Appendix E:Conducted Spurious Emission LTE Band 7 Test Results

Channel Bandwidth: 5 MHz

	nt Spectrum /	Analyzer - Swo							SK_1F		
Cer		79.500	PN	10:Wide	SENSE	Run	Avg Type: Avg Hold:	ALIGN OFF RMS 9/100	12:22:58 PM TRAC TYF	Apr 07, 2017 E 1 2 3 4 5 6 E MWWWWW T A A A A A A	Frequency
10 d	B/div R	ef Offset 9.2 ef 9.22 de	IFC	Sain:Low	#Atten: 10	dB			Mkr1 9.1		Auto Tune
-0.78											Center Freq 79.500 kHz
-10.8		+	<u> </u>								Start Freq 9.000 kHz
-20.8											Stop Freq
-40.8											150.000 kHz
-50.8 -60.8	1									-55.00 dBm	14.100 kHz Auto Man
-70.8	~ WINGANNY	manny	walaugu	MAN WAY	~~^\	with the state	ummun		m hall	4.5	Freq Offset 0 Hz
-80.8	# 0.00 kH			VKha	μ <u>ι - </u>	and an frai	na. na dhinn a	[™] ₩¶¶⁄™ _™ ๚ฦµ 	Ctop 16	MA month	
Stai #Re	rt9.00 kH sBW 1.0	kHz		#VBW	3.0 kHz*				Stop 15 74.0 ms (
LX/ R	L	Analyzer - Swo RF 50 Ω 15.0750	100 MHz		SENSE	PULSE	Avg Type: Avg Hold:	ALIGN OFF	12:23:06 PM TRAC	MApr 07, 2017 E 1 2 3 4 5 6	Frequency
	R	ef Offset 9.2	PI IFC 22 dB	NO: Fast 🔸 🛏 Sain:Low	Atten: 16	dB	Avg Hold:	9/100	Mkr1 1	150 kHz 36 dBm	Auto Tune
10 d Log	B/div R	ef 9.22 dE							51.1.		Center Freq 15.075000 MHz
-10.8											Start Freq
-20.8											150.000 kHz
-40.8										-45.00 dBm	Stop Freq 30.000000 MHz
-50.8	1										CF Step 2.985000 MHz <u>Auto</u> Man
-70.8											Freq Offset 0 Hz
-80.8	When the	www.estable	states for a section	allena anti-lana anti-	n the state of the	h.Jpsky.Nac.anjl.ogy.A	propheticationship	the the spel Alase of	nnun (handel	khann-personale wa	
Star #Re	t 150 kH s BW 10	z			30 kHz*			Sweep 3	Stop 3 68.3 ms (0.00 MHz 1001 pts)	
Agiler		Analyzer - Swe RF 50 Ω 13.0150			SENSE	PULSE	Avg Type:	ALIGN OFF	12:23:09 PM	1Apr 07, 2017	Frequency
Cen	B	ef Offset 9.1	dB	HZ 10: Fast +++ Sain:Low	Trig: Free #Atten: 40	Run dB	Avg Hold: (5/100	kr2 25.0	91 GHz 73 dBm	Auto Tune
	∃/div R•	ef 30.00 d	вm				<u> </u>		-32.47		Center Freq
10 di 20.0							⊢ I				13.015000000 CU-
		1									13.015000000 GHz Start Freq
20.0 10.0 0.00		1									Start Freq 30.000000 MHz
20.0 10.0										-25.00 dBm	Start Freq 30.000000 MHz Stop Freq 26.000000000 GHz
20.0 10.0 -10.0 -20.0 -30.0										-25.00 dBm 2 4	Start Freq 30.000000 MHz Stop Freq
20.0 10.0 0.00 -10.0		1 		~~~~				~~~~~		-25 00 dBm	Start Freq 30.00000 MHz Stop Freq 26.0000000 GHz 2.59700000 GHz
20.0 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0		Arrian Concern		~~~~				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		-25 00 dBm	Start Freq 30.000000 MHz 26.0000000 GHz 2.59700000 GHz 2.59700000 GHz Auto Man

Peak Search	M Jun 06, 2017 CE 1 2 3 4 5 6 PE MWWWWW ET A A A A A A	07:37:51 P TRAC TY	ALIGN AUTO : RMS 20/100	Avg Type Avg Hold:	E:PULSE	SENSE	NO: With (ADC	E 50.0	t Spectrum A R Ker 1 14.	X RI
NextPeak	499 kHz 75 dBm	lkr1 14.			DdB	#Atten: 10	NO: Wide 🖵 Gain:Low	22 dB	f Offset 9.2 of 9.22 di	Re Maiy Pr	10 1
Next Pk Right											10 de Log
Next Birl											-10.8
Next Pk Left											-20.8
Marker Delta											-30.8
Mkr→CF	-55.00 dBm									1	-60.8
Mkr→RefLvi									wyannowa	~ WWWWW	·60.8
	М. (М. () 50.00 кнz	North	Yilyoft Wighty	where the work	malananan	www.www	ann an the start	"" "	المر ز ال		-80.8
More 1 of 2	50.00 kHz (1001 pts)					3.0 kHz*				t 9.00 kH: BW 1.0	
		DC Cou						rept SA		t Spectrum A	MSG
Frequency	PM Apr 07, 2017 ACE 1 2 3 4 5 6 YPE MWWWWWW DET A A A A A A	12:24:44 F TRA Th	ALIGN OFF RMS 9/100	Avg Type Avg Hold	e Run	SENS	PNO: Fast ↔	≥ <u>∆</u> □⊂ 000 MH:	RE 50 Ω	ter Freq	LX/R
Auto Tune	180 kHz 235 dBm	Mkr1			6 dB	#Atten: 1	Gain:Low		ef Offset 9.3 ef 9.22 di	B/div Re	10 di Log
Center Freq 15.075000 MHz											-0.78
Start Freq											-10.8
150.000 kHz											-20.8
Stop Freq 30.000000 MHz	-45.00 dBm										-30.8
CF Step 2.985000 MHz <u>uto</u> Man										1	-50.8
Freq Offset											-60.8
0 Hz	Nurseampelies	Makethanakard	manhabitron	a historia wina d	الموارد المراجع	and the second	allan alkalati Maria	المحالة المحاد	The contract of the second	hand hy	-80.8
	30.00 MHz (1001 pts)	Stop 3				/ 30 kHz*			z	t 150 kHz s BW 10	Star #Re
	oupled	s 🚹 DC Co						rept SA	nalyzer - Sw	t Spectrum A	MSG Agiler
Frequency	PM Apr 07, 2017 ACE 1 2 3 4 5 6 YPE MWWWWWW DET A A A A A A	12:24:47 F TRA Th	ALIGN OFF : RMS : 6/100	Avg Type Avg Hold	e Run 0 dB		GHZ NO: Fast ↔ Gain:Low		RF 50 Ω	ter Freq	LXI R
Auto Tune	610 GHz 556 dBm	kr2 25.0	м			written: 4	Gam:LOW	1 dB	ef Offset 9. ef 30.00	B/div R	10 di Log
Center Freq 13.015000000 GHz											20.0
Start Freq									1	\langle	10.0
30.000000 MHz											0.00
Stop Freq 26.00000000 GHz	-25.00 dBm										-20.0
CF Step 2.597000000 GHz uto Man	-	have	horan	a second second							-30.0
				- Annual C			-		har	mound	-40.0
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Freq Offset 0 Hz											-60.0

Peak Search	Jun 06, 2017	07:36:58 PM	LIGNAUTO		E:PULSE	SENS		o Anc	RE 50 (t Spectrum A	X RI
	123456 MWWWWW TAAAAAA	TYPE	17/100	Avg Type Avg Hold:	a Run D dB	#Atten: 1	PNO: Wide 🕞 IFGain:Low		.256000	ker 1 11	Mar
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Next Pk Lef											-10.8
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Mkr→CF	-55.00 dBm										-50.8
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	roor prsj	4.0 ms (1	weep n			/ 3.0 kHz*	#VBV		kHz	s BW 1.0	#Re:
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Auto Tune	90 MHz	kr1 4.09	N		0 ab	#Atten: 1	IFGain:Low		ef Offset 9 ef 9.22 c	R	
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	0.00 MHz 1001 pts)	38.3 ms (1		:		V 30 kHz*	#VBV		z kHz	t 150 kH s BW 10	Star #Re
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Stop Free											-10.0
26.000000000 GH											-20.0
	-25.00 dBm										-30.0
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	-30.0 -40.0 -50.0	June and the second		and the second		and the second							Freq Offset 0 Hz

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Next Pk Right											-0.78
Next Pk Left											-10.8
											-20.8
Marker Delta											-40.8
Mkr→CF	-55.00 dBm									•1	-60.8 -60.8
Mkr→RefLvl		А					hanna L	-	Month and March	W Warnhays	-70.8
More	white who have	untres 120	norman	᠕ᠰᡗᢂᡀᠬ᠕ᢦ	halanna	www.pwl	mmruw				-80.8
1 of 2	1001 pts)	74.0 ms (1	Sweep 17	5		3.0 kHz*	#VBW		z kHz	t 9.00 kH s BW 1.0	Start #Res
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Frequency	MApr 07, 2017 E 1 2 3 4 5 6	12:25:32 PM TRAC	ALIGN OFF	Avg Type Avg Hold:	E:PULSE	SENS		 000 MHz	Malyzer - Swi RF 50 ຊ 15.0750	L F	LXI RL
Auto Tune	150 kHz 65 dBm	Mkr1 1	9/100	Avg Hold:	e Run 6 dB	Trig: Fre #Atten: 1	'NO: Fast 🔸 Gain:Low		ef Offset 9.2 ef 9.22 di	Be	
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150.000 kHz											-20.8
Stop Freq 30.000000 MHz											-30.8
CF Step 2.985000 MHz	-45.00 dBm									1	-40.8
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	0.00 MHz	Stop 30			and the second	-	**************************************	กรางรับและรังไห้ร	z	t 150 kHz s BW 10	Start
	(1001 pts) upled	58.3 ms (<u> 1</u> DC Cou				/ 30 kHz*	#VBN				MSG
Frequency	MApr 07, 2017 CE 1 2 3 4 5 6 PE MWWWWWW ET A A A A A A	12:25:35 PM TRAC TVP	ALIGN OFF RMS 6/100	Avg Type Avg Hold:	e:PULSE	Trig: Fre	NO: East 🔸	AC 000000	nalyzer - Sw RF 50 Ω 13.0150	L F	LXI RL
Auto Tune	588 GHz 00 dBm	<r2 25.6<="" td=""><td></td><td>-</td><td>0 dB</td><td>#Atten: 4</td><td>Gain:Low</td><td>li 1 dB</td><td>ef Offset 9.4 ef 30.00 (</td><td>Re B/div Re</td><td>10 de</td></r2>		-	0 dB	#Atten: 4	Gain:Low	li 1 dB	ef Offset 9.4 ef 30.00 (Re B/div R e	10 de
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26.00000000 GHz CF Step 2.597000000 GHz	-25.00 dBm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	*****		and the second				party and the state	
26.00000000 GHz CF Step 2.597000000 GHz Auto Man Freq Offset	-25.00 dBm	~~~~~		hayon, m	~~~~	مر میں المر میں المر المر میں المر میں الم				programmer and	-30.0

	(C	hannel Bandwidth	: 5 MHz)_HCH_16	QAM_1RB#0		
LX0	ilent Spectrum Analyzer - Sw RL RF 50 ฉ arker 1 9.987000 F	A DC SEN	SE:PULSE ALIGNAUTO	07:37:29 PM Jun 06, 2017 TRACE 1 2 3 4 5 6	Peak Search	
	arker 1 9.987000 r	PNO: Wide Frig: Fr IFGain:Low #Atten:	ee Run AvalHold: 22/100	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET A A A A A A	NextPeak	
12	Ref Offset 9.: dB/div Ref 9.22 d	22 dB Bm	1 1	Mkr1 9.987 kHz -60.449 dBm		
	.78				Next Pk Right	
-11	0.8					
-20	0.8				Next Pk Left	
-3	0.8					
-41	0.8				Marker Delta	
-5	0.8			-55.00 dBm	Mkr→CF	
-6						
-71	0.8 WWWWWW	Munnhorn mussion .			Mkr→RefLvl	
-8	0.8	and the second and the second se	warden war warden war	WWWWWWWWWWWWW	More	
SI					More 1 of 2	
# F	a BW 1.0 kHz	#VBW 3.0 kHz		174.0 ms (1001 pts)		
LXI	ilent Spectrum Analyzer - Sw RL RF 500	2 🛕 DC SEA	NSE:PULSE	12:27:10 PM Apr 07, 2017	Frequency	
C	enter Freq 15.075	OOO MHz PNO: Fast +++ Trig: Fr IFGain:Low #Atten:	ALIGN OFF Avg Type: RMS ee Run Avg Hold: 9/100 16 dB	Derjetteret		
19	Ref Offset 9. dB/div Ref 9.22 d	22 dB Bm		Mkr1 150 kHz -57.769 dBm	Auto Tune	
	1.78				Center Freq 15.075000 MHz	
	0.8				15.075000 MH2	
-2	20.8				Start Freq 150.000 kHz	
-3	30.8				Stop Freq	
-4	10.8				30.000000 MHz	
-6	50.8			-45.00 dBm	CF Step 2.985000 MHz	
-6	io.e				<u>Auto</u> Man	
-7	r0.8				Freq Offset 0 Hz	
-8		Here was a fill and the state of the second st	Reductive a long of the a showear all with more reason	Beerland to be back to be a set		
s	tart 150 kHz			Stop 30.00 MHz		
#1 MS	Res BW 10 kHz	#VBW 30 kHz		368.3 ms (1001 pts)		
LXI	RL RF 500	2 AC SEP	ISE:PULSE	12:27:13 PM Apr 07, 2017	Frequency	
C	enter Freq 13.015	O00000 GHz PNO: Fast +++ Trig: Fr IFGain:Low #Atten:	40 dB	TRACE 1 2 3 4 5 6 TYPE MWWWWWW DET A A A A A A		
19	Ref Offset 9. 0 dB/div Ref 30.00	1 dB dBm		Mkr2 25.740 GHz -32.339 dBm	Auto Tune	
	20.0				Center Freq 13.015000000 GHz	
	10.0					
	0.00				Start Freq 30.000000 MHz	
	0.0				Stop Freq	
-2	20.0				26.000000000 GHz	
-3	30.0			-25.00 dBm	CF Step 2.597000000 GHz	
-4	0.0 Harrison and when		- manager and the mana	man	Auto Man	
-5	50.0				Freq Offset 0 Hz	
-6	60.0					
	tart 30 MHz			Stop 26.00 GHz		
	Res BW 1.0 MHz	#VBW 3.0 MH	Iz* Sweep	64.93 ms (1001 pts)		

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0 Center Freq 79.500 kHz Avg Type: RMS Avg|Hold: 9/100 52 PM Apr 07, 201 TRACE 1 2 3 4 5 TYPE MWWWW DET A A A A A Frequency PNO: Wide +++ Trig: Free Run IFGain:Low #Atten: 10 dB Mkr1 9.000 kHz -58.694 dBm Auto Tune Ref Offset 9.22 dB Ref 9.22 dBm 10 dB/div Center Freq 79.500 kHz -0.3 10 Start Freq 9.000 kHz -20. -30. Stop Freq 150.000 kHz 40. CF Step 14.100 kHz Man -60. -55.00 dB -60.8 the way was a way was a way way way way was a way and a way a Freq Offset 0 Hz -70.8 -80. Stop 150.00 kHz Sweep 174.0 ms (1001 pts) Start 9.00 kHz #Res BW 1.0 kHz #VBW 3.0 kHz* L DC Coupled Abient Stream Convertigent Stream Convertigent Converture Convertigent Convertigent Converture Convertigent C ALIGN O Avg Type: RMS Avg|Hold: 8/100 01 PM Apr 07, 2017 TRACE 1 2 3 4 5 TVPE MWWWWW DET A A A A A Frequency Auto Tune Mkr1 150 kHz -60.802 dBm Ref Offset 9.22 dB Ref 9.22 dBm 10 dB/div Center Freq 15.075000 MHz -0.7 -10.3 Start Freq 150.000 kHz 20.8 30 Stop Freq 30.000000 MHz 40 -45.00 dt -60 CF Step 2.985000 MHz Man ite 60 Freq Offset 0 Hz -70 -80. Hall to prove months are not the converse of the converse of the section of the s Start 150 kHz #Res BW 10 kHz Stop 30.00 MHz Sweep 368.3 ms (1001 pts) #VBW 30 kHz*

Channel Bandwidth: 10 MHz

		1 Analyzer - Sv									
Cer		RF 50 G	000000 0	SHz		Bun	Avg Type Avg Hold:	ALIGN OFF	TRA	M Apr 07, 2017 CE 1 2 3 4 5 6 PE MWWWWWWW	Frequency
10 d Log	B/div I	Ref Offset 9 Ref 30.00	.1 dB	'NO: Fast 🔸	#Atten: 40	dB	Avginud.		lkr2 25.7	714 GHz 65 dBm	A
20.0		. 1									Center Freq 13.015000000 GHz
10.0		1									Start Freq 30.000000 MHz
-10.0											Stop Freq 26.00000000 GHz
-30.0									1	-25.00 dBm	CF Step 2.59700000 GHz Auto Man
-40.0	norther the	alandra	gabbled the gate on the g	a the second		y) the part of the second s	and a second	**~~~~	hours		Freq Offset
-60.0											0 Hz
	t30 MH sBW 1.			#VBW	7 3.0 MHz			Sweep	Stop 2 64.93 ms	6.00 GHz (1001 pts)	
MSG								STATU	18		

			hannel	Band	width:	10 M⊦	lz_MC	H_QP	'SK_1F	RB#0	
L)X/	RL	m Analyzer - Swo RF 50 Ω eq 79.500	ADC KHZ PN	iO: Wide 🔸	Trig: Free	Run	Avg Type Avg Hold:	RMS	12:29:31 PM TRAC TYP	1 Apr 07, 2017 E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
10	B/div	Ref Offset 9.2 Ref 9.22 di	22 dB	Sain:Low	#Atten: 10	dB		I	Mkr1 9.1		Auto Tune
-0.7											Center Freq 79.500 kHz
-10.											Start Freq 9.000 kHz
-30.											Stop Freq
-40.											150.000 kHz
-60.	1									-55.00 dBm	14.100 kHz <u>Auto</u> Man
-70.	3 	maria	Maynawn	widwangla	1 Marine	maria	. Ahrhar	nola donar	wa h h	4 5 8	Freq Offset 0 Hz
Sta	rt 9.00	kHz								∿"∿∿"\\µ^ 0.00 кнz	
MSG	es BW ′	m Analyzer - Swe	ant 64	#VBW	/ 3.0 kHz*				74.0 ms (• •	
1,31	RL	RF 50 Ω eq 15.0750	A⊡⊂ DOO MHz PI	NO: Fast 🔸	Trig: Free #Atten: 16	Run	Avg Type Avg Hold:	ALIGN OFF RMS 9/100	12:29:40 PN TRAC TYP DE	1 Apr 07, 2017 E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
10 d Log	B/div	Ref Offset 9.2 Ref 9.22 di	22 dB						Mkr1 1	150 kHz 96 dBm	Auto Tune
-0.7	3										Center Freq 15.075000 MHz
-10.											Start Freq 150.000 kHz
-30.	3										Stop Freq 30.000000 MHz
-40.										-45.00 dBm	CF Step 2.985000 MHz
-60.	1										<u>Auto</u> Man
-70.	N	A	L . L	(1 - 44						a abay al 1	Freq Offset 0 Hz
-80.					فحاضطك فاصلاحه	NAME OF A DESCRIPTION OF A	4 6 6 1 1 1 1 1 1 1 1 1		APRICA AND UNDER	MAN MALINA	1 1
Sta	art 150 H es BW		ale in the second		30 kHz*	a a fe foot fe die an				0.00 MHz	

		m Analyzer - :									
Cei		RF 50 eq 13.01	Ω AC 5000000	GHz			Avg Type Avg Hold:	ALIGN OFF	TRA	M Apr 07, 2017 CE 1 2 3 4 5 6	Frequency
10 c Log	B/div	Ref Offset Ref 30.00	9.1 dB	PNO: Fast ++ IFGain:Low	#Atten: 40) dB	Avginud.		1kr2 25.7	740 GHz 58 dBm	Auto Tune
20.0											Center Freq 13.015000000 GHz
10.0		1									Start Freq 30.000000 MHz
-10.0		_									Stop Freq 26.00000000 GHz
-30.0							-		0	-25.00 dBm	CF Step 2.59700000 GHz
-40.0	por second	h	, 144 - 141			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	may care your	and the second			Auto Man Freq Offset
-60.0		_									0 Hz
	nt 30 M Is BW 1	Hz 1.0 MHz	1	#VBW	3.0 MHz	*	1	Sweep	Stop 2 64.93 ms	6.00 GHz (1001 pts)	
MSG								STATU	JS.		

			hanne	Band	width:	10 MH	lz_HC	H_QP	SK_1F	RB#0	
LXI	RL	Analyzer - Sw RF 50 Ω q 79.500	ALD⊂ kHz ₽N	IO: Wide 🔸	1	Run dB	Avg Type Avg Hold:	ALIGN OFF RMS 9/100	TRAC	1 Apr 07, 2017 E 1 2 3 4 5 6 E M WWWWWW T A A A A A A	Frequency
10	dB/div F	Ref Offset 9.2 Ref 9.22 di	22 dB Bm					м	kr1 10.8 -59.68	333 kHz 37 dBm	Auto Tune
-0.7	_										Center Freq 79.500 kHz
-10.											Start Freq 9.000 kHz
-30.											Stop Freq 150.000 kHz
-40.										-55.00 dBm	CF Step 14.100 kHz Auto Man
-60	. Mulumy	ห้หห้าญใจ _{ไป} สุดกับ	NU alvas.	4.4.							Auto Man Freq Offset 0 Hz
-80.	8		1° WWWWY	M NAMPANA	Maymay	ro-Millionarth	Multhery	man	han van war	Mananaly	
	es BW 1.	HZ 0 KHZ		#VBW	3.0 kHz*			sweep 1	Stop 15 74.0 ms (1 DC Cou	1001 pts)	
Agil	ent Spectrum	Analyzer - Sw	ept SA								
		RF 50 Ω q 15.0750	000 MHz	NO: Fast 🔸	Trig: Free	Run	Avg Type Avg Hold:	ALIGN OFF RMS 9/100	TRAC	E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
10		tef Offset 9.2 Ref 9.22 di	1F0 22 dB	Sain:Low	#Atten: 16	dB			Mkr1 1	150 kHz 43 dBm	Auto Tune
-0.7	_										Center Freq 15.075000 MHz
-10.											Start Freq 150.000 kHz
-30.	8										Stop Freq 30.000000 MHz
	-										
-40.										-45.00 dBm	CF Step 2.985000 MHz
	8									-45.00 dBm	2.985000 MHz Auto Man Freq Offset
-60. -60.			nene vilation vine	politen vite olie	brydriwnihtti	N/Juvie-Labeta	neurstellunter	ካ ብ ትለማሪ/የኤስኮ ብ ሎ	/1884.01/11/11/11/11/11/11/11/11/11/11/11/11/1		2.985000 MHz <u>Auto</u> Man
-60. -60. -70. -80. St i		iz	านาารายุปลโบละปากกา		1 1 30 kHz*	Kyliceton Langertan		ካቶሎሳ/ሌ/ሶጫ Sweep 30	Stop 30	ηγ-γονήγουντη 1.000 MHz	2.985000 MHz Auto Man Freq Offset

		m Analyzer - Sv									
Cer		RF 50 eq 13.015		GHz		PULSE	Avg Type Avg Hold:	ALIGN OFF	12:31:22 P TRA	MApr 07, 2017 CE 1 2 3 4 5 6 PE MWWWAAA ET A A A A A A	Frequency
10 d Log	B/div	Ref Offset 9 Ref 30.00	". 1 dB	PNO: Fast ++ Gain:Low	#Atten: 40	dB	Avg Hold:		lkr2 25.6	662 GHz 26 dBm	Auto Tune
20.0											Center Freq 13.015000000 GHz
10.0											Start Freq 30.000000 MHz
-10.0											Stop Freq 26.00000000 GHz
-20.0	-							A.,	1 A. A. MA	-25.00 dBm	CF Step 2.597000000 GHz
-40.0	moone	alun			and the second	and a second and a s	harry he	and the second	y com		Auto Man Freq Offset
-60.0											0 Hz
	rt 30 Mi is BW 1	Hz I.0 MHz		#VBW	3.0 MHz			Sweep (Stop 2 54.93 ms	26.00 GHz (1001 pts)	
MSG								STATU	s		

					Band	width:	10 MH	z_LC⊦	l_16Q	(AM_1	RB#0	
LX/	RL	req	79.500	ADC KHZ IFO	NO: Wide 🕶 Gain:Low		Run dB	Avg Type Avg Hold:	9/100	TRAC	Apr 07, 2017 E 1 2 3 4 5 6 M M M M M M A A A A A A 705 kHz	Frequency Auto Tune
10	dB/div	Ref Re	f Offset 9.2 f 9.22 di	22 dB 3m						-62.4	33 dBm	
-0.	78											Center Freq 79.500 kHz
-10												Start Freq 9.000 kHz
-30												Stop Freq 150.000 kHz
-60											-55.00 dBm	CF Step 14.100 kHz Auto Man
-60	1.8 WWW	γwy	WARNA	. Also								Auto Man Freq Offset 0 Hz
-80	.8	_	h Manuk	MAN MAN	parter garand	winny Maluri	whenthe	wyakyanyw	with physical	Stop 15	matricalit	0 Hz
	tes BW					3.0 kHz*			Sweep 1	Stop 15 74.0 ms (1001 pts)	
Agi	lent Spect		nalyzer - Swe									
	enter F	req		DOO MHZ	NO: Fast 🗝		Run dB	Avg Type Avg Hold:	ALIGN OFF : RMS 9/100	TRAC	Apr 07, 2017 E 1 2 3 4 5 6 E MWWWWW T A A A A A A	Frequency
10	dB/div	Ref Re	f Offset 9.2 f 9.22 di	22 dB							150 kHz 43 dBm	Auto Tune
+0.	78											Center Freq 15.075000 MHz
-10												Start Freq 150.000 kHz
-30	.8											Stop Freq 30.000000 MHz
-40											-45.00 dBm	CF Step 2.985000 MHz
-60												<u>Auto</u> Man
-70	M H	1	hl.1	In order to be			hare to	Ind to see				Freq Offset 0 Hz
-80	~ I.M.									u - 1.0 AN 1 A A A A	INVESTIGATION OF	
St	art 150 tes BW	kHz		y haaqaa ka baha baha ba		30 kHz*	hat. states at				0.00 MHz	

		m Analyzer - S									
Cer			Ω AC	GHz		:PULSE	Avg Type Avg Hold	ALIGN OFF	12:28:52 P TRA	MApr 07, 2017 CE 1 2 3 4 5 6 PE MWWWAAA ET A A A A A A	Frequency
10 di Log	B/div	Ref Offset 9 Ref 30.00	и 9.1 dB	PNO: Fast 🔸	#Atten: 40	dB	Avginoia		lkr2 25.6	662 GHz 72 dBm	A
20.0											Center Freq 13.015000000 GHz
10.0		1									Start Freq 30.000000 MHz
-10.0											Stop Freq 26.000000000 GHz
-30.0							,	ha	م بعر بعر ب	-25.00 dBm	CF Step 2.597000000 GHz Auto Man
-40.0		- have			and the second s	******			• • •		Freq Offset
-60.0											0 Hz
	rt 30 Mi s BW 1	Hz .0 MHz	1	#VBW	3.0 MHz	*		Sweep	Stop 2 64.93 ms	26.00 GHz (1001 pts)	
MSG								STATU	IS		

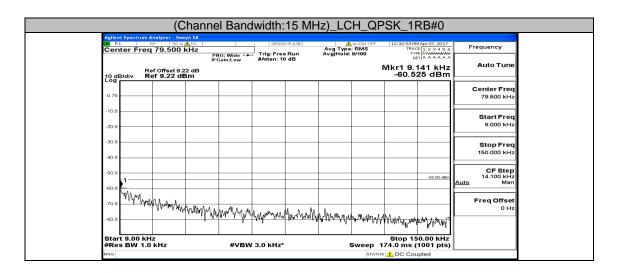
	alla	1. Constant			Bandv	vidth: 1	IO MH	z_MCł	H_16C	QAM_1	RB#0	
6	() RI	-	Analyzer - Swe RF 50 ຊ 179.500	ALD⊂ kHz ₽ħ	O: Wide	SENSE	Run	Avg Type Avg Hold:	ALIGN OFF : RMS 9/100	12:30:20 PM TRAC TYP	1 Apr 07, 2017 E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
	IQ dE	B/div R	ef Offset 9.2 ef 9.22 di	2 dB	Sain:Low	#Atten: 10	dB		I	Mkr1 9.0		Auto Tune
	- og -0.78											Center Freq 79.500 kHz
	20.8											Start Freq 9.000 kHz
	30.8											Stop Freq
	40.8											150.000 kHz
	60.8	1 									-55.00 dBm	14.100 kHz <u>Auto</u> Man
	70.8	I I WWW	how we want	Maynon	NM WWW.M	MMMALAAA	ค.ศ.ศ.	t Man		۱۳۰۰ ۲۳/۱/۱ Stop 15		Freq Offset 0 Hz
	80.8 Star	t 9.00 kH	iz.			<u> </u>	W	VY YUY U	~\m\n\n\n\n		^{Муу} у/Л 0.00 кнz	
3	#Res	s BW 1.0	kHz		#VBW	/ 3.0 kHz*		1	Sweep 1	74.0 ms (1001 pts)	
4	CI RI	L	Analyzer - Swe RF 50 Ω 15.0750	<u>∧</u> 000 MHz	NO: Fast 🔸	Trig: Free	Run	Avg Type Avg Hold:	ALIGN OFF : RMS 9/100	TRAC	1 Apr 07, 2017 E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
		B/div R	ef Offset 9.2 ef 9.22 di	2 dB	Sain:Low	#Atten: 16	dB			Mkr1 1	150 kHz 00 dBm	Auto Tune
	0.78											Center Freq 15.075000 MHz
	20.8											Start Freq 150.000 kHz
	30.8											Stop Freq
	40.8										-45.00 dBm	30.000000 MHz CF Step
	60.8	1										2.985000 MHz <u>Auto</u> Man
	70.8											Freq Offset 0 Hz
	-0.0	14W Y Y Y	And the second sector	and a summer	القلا متأسيح متنا	المادينية والمعادية	material and	Los needs at 1		www.	والمراجع والمراجع	
,		t 150 kH s BW 10	z	line on en al al orde		30 kHz*	ALC HOME TALL			1	0.00 MHz	

		pectrum	i Analyze										
Ce		r Fre	RF q 13.	0150 0150	00000	SHz PNO: Fast		E:PULSE	Avg Type Avg Hold:	ALIGN OFF	TRA	PM Apr 07, 2017 ACE 1 2 3 4 5 6 YPE MWWWWWW DET A A A A A A	Frequency
10 Log	dB/c	liv F	Ref Offs Ref 30	set 9.1).00 d	dB	Gain:Low	#Atten: 4	dB			/kr2 25.	688 GHz 167 dBm	Auto Tune
20.													Center Freq 13.015000000 GHz
10.0													Start Freq 30.000000 MHz
-10.													Stop Freq 26.000000000 GHz
-30.	-										٨٠٠	-25.00 dBm	CF Step 2.597000000 GHz Auto Man
-40.		للحجيد بالمهمام	all way	~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- Ar	-	and an and a set of					Freq Offset
-60.	0		-										
		во МН ЗW 1.	IZ 0 MHz	z		#VB\	W 3.0 MHz	*		Sweep	Stop : 64.93 ms	26.00 GHz (1001 pts)	
MSG										STAT	us		

			hannel								
LXI	RL	n Analyzer - Sv RF 50 G eq 79.500	kHz P	NO: Wide ↔ Gain:Low		BRUNSE	Avg Type Avg Hold:	ALIGN OFF : RMS 9/100	12:32:02 PM TRAC TYP DE	1 Apr 07, 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 d	22 dB	Gain:Low	whiten. It	, ub		I	Mkr1 9.7		A cost of The cost of
-0.7											Center Freq 79.500 kHz
-10											Start Freq 9.000 kHz
-30											Stop Freq
-40											150.000 kHz CF Step
-60		holomola.	Auto							-55.00 dBm	14.100 kHz <u>Auto</u> Man
-70	8	Www.WWWW	No whyme the	HANNA WAR	n why have	hhumpyri	ann ann	www.	Nr-v-Mracht	Marthe	Freq Offset 0 Hz
	-						-		p 1	- The second second	
	art 9.00 I	Hz							Stop 15	0.00 KHZ	
#R MSG	art 9.00 es BW 1	HZ .0 KHZ			/ 3.0 kHz*			Sweep 1	Stop 15 74.0 ms (1 DC Cou	0.00 kHz 1001 pts)	
#R MSG Agit	es BW 1	(HZ .0 KHZ n Analyzer - Sv	∕ept SA ≥▲□⊂ 000 MHz ₽	#VBW	SENSE	:PULSE	\$	ALIGN OFF	Stop 15 74.0 ms (DC Cou 12:32:10 PM TRAC	0.00 kHz 1001 pts)	
#R MSG Agli (X) Ce	ent 9.00 es BW 1 ent Spectru RL Inter Fre	KHZ .0 KHZ m Analyzer - Sv RF 50 S	vept SA ≥ ▲ ⊃⊂ │ 000 MHz P IF 22 dB	#VBW	3.0 kHz*	:PULSE	Avg Type	ALIGN OFF	Stop 15 74.0 ms (DC Cou 12:32:10 PM TRAC TYPE DE Mkr1 1	Apr 07, 2017	Frequency
#R MSG Agli (X) Ce	art 9.00 es BW 1 ent Spectru RL Inter Fre	(Hz .0 kHz m Analyzer - Sw RF 50 0 3 q 15.075 Ref Offset 9	vept SA ≥ ▲ ⊃⊂ │ 000 MHz P IF 22 dB	#VBW	SENSE	:PULSE	Avg Type	ALIGN OFF	Stop 15 74.0 ms (DC Cou 12:32:10 PM TRAC TYPE DE Mkr1 1	1001 pts) pled	Frequency
	art 9.00 l es BW 1 onl Spectrue RL nter Fre	(Hz .0 kHz m Analyzer - Sw RF 50 0 3 q 15.075 Ref Offset 9	vept SA ≥ ▲ ⊃⊂ │ 000 MHz P IF 22 dB	#VBW	SENSE	:PULSE	Avg Type	ALIGN OFF	Stop 15 74.0 ms (DC Cou 12:32:10 PM TRAC TYPE DE Mkr1 1	1001 pts) pled	Frequency Auto Tune Center Freq
#R MSG 20 10 -0.7 -10	ant 9,000 ees BW 1 ent Spectro RL nter Fre	(Hz .0 kHz m Analyzer - Sw RF 50 0 3 q 15.075 Ref Offset 9	vept SA ≥ ▲ ⊃⊂ │ 000 MHz P IF 22 dB	#VBW	SENSE	:PULSE	Avg Type	ALIGN OFF	Stop 15 74.0 ms (DC Cou 12:32:10 PM TRAC TYPE DE Mkr1 1	1001 pts) pled	Center Freq 15.075000 MHz Start Freq 150.000 kHz Stop Freq
#R Misca Mis	dB/div	(Hz .0 kHz m Analyzer - Sw RF 50 0 3 q 15.075 Ref Offset 9	vept SA ≥ ▲ ⊃⊂ │ 000 MHz P IF 22 dB	#VBW	SENSE	:PULSE	Avg Type	ALIGN OFF	Stop 15 74.0 ms (DC Cou 12:32:10 PM TRAC TYPE DE Mkr1 1	1001 pts) pled	- Frequency Auto Tune Center Freq 15.075000 MHz Start Freq 150.000 kHz Stop Freq 30.000000 MHz
#R Misca 200 -0.7 -10 -20 -30 -40	art 9,00 1 en Spectru nter Fre dB/div	(Hz .0 kHz m Analyzer - Sw RF 50 0 3 q 15.075 Ref Offset 9	vept SA ≥ ▲ ⊃⊂ │ 000 MHz P IF 22 dB	#VBW	SENSE	:PULSE	Avg Type	ALIGN OFF	Stop 15 74.0 ms (DC Cou 12:32:10 PM TRAC TYPE DE Mkr1 1	0.00 KHZ 1001 pts) pled Haroz,2017 E 12 24 5 6 FINANAWA 150 KHZ 14 dBm	- Frequency Auto Tune Center Freq 15.075000 MHz Start Freq 30.000000 MHz 2.995000 MHz 2.995000 MHz Man
#R Misca Ce 10, -0,7, -10 -20 -30 -40 -50	ant 9,00 ees BW 1 inter Fre aB/div aB/div a a a a a a a a a a a a a a a a a a a	Hz 0. kHz 0. k	and 50 acc F 22 dB Bm 	#VBM	SBP63	PULS PULS PULS PULS PULS PULS PULS PULS	s Avg Type AvgHold:	Sweep 1 status status alion OFF RMS sr100	Stop 15 74.0 ms () DC Cour Trans Mkr1 - -61.6	0.00 KH2 1001 pts) ipled 1001 pts ipled 1001 pts ipled 1001 pts 1001 pts 10	- Frequency Auto Tune Center Freq 15.075000 MHz Start Freq 30.000000 HHz 2.955000 MHz 2.955000 MHz
#R Matti XX C e 10 -0.7 -10 -20 -30 -40 -60 -60 -70 -80 -80 -80 -80 -80 -80 -80 -80 -80 -8	ant 9,00 ees BW 1 Inter Frank Black	Hz Hz Hz	and 50 acc F 22 dB Bm 	#VBM	SBP63	PULS PULS PULS PULS PULS PULS PULS PULS	s Avg Type AvgHofd:	Sweep 1 อาสามส อาสามส	Stop 15 74.0 ms ()	0.00 Hz	Frequency Auto Tune Center Freq 15.075000 MHz Start Freq 30.000000 MHz 2.985000 MHz 2.985000 MHz Man

		Analyzer - Sw	ept SA								
Cen		RF 50 Ω 13.0150	000000 G	Hz		PULSE	Avg Type	ALIGN OFF	TRA	MApr 07, 2017 CE 1 2 3 4 5 6	Frequency
10 di	R B/div R	ef Offset 9.7	IFC 1 dB	NO: Fast 🔸	, ¹ Trig: Free #Atten: 40	dB	Avg Hold:		kr2 25.0	065 GHz 43 dBm	Auto Tune
20.0											Center Freq 13.015000000 GHz
10.0											Start Freq 30.000000 MHz
-10.0											Stop Freq 26.00000000 GHz
-30.0								A		-25.00 dBm	CF Step 2.59700000 GHz Auto Man
-40.0	I ver frage from and a	Jan Laver	perceit ^a n an anna an	\sim		and a start and a start of the	h		v • • • • •		Freq Offset
-60.0											0 Hz
	t 30 MHz s BW 1.0		1	#VBW	3.0 MHz	×		Sweep 6	Stop 2 34.93 ms	26.00 GHz (1001 pts)	
MSG								STATU	s		

Channel Bandwidth: 15 MHz



	it Spectrum	Analyzer - S	wept SA								
Cer			<u>∝ 4 ⊳⊂</u> 5000 MH	z	1	E:PULSE		ALIGN OFF e: RMS	12:33:01 PI TRAC	MApr 07, 2017 E 1 2 3 4 5 6 PE MWWWWWW	Frequency
10 di Log	B/div R	tef Offset 9 tef 9.22 d	.22 dB	PNO: Fast ↔ IFGain:Low	#Atten: 1	e Run 6 dB	AvgHold	: 9/100	Mkr1 [™]	150 kHz 09 dBm	Auto Tune
-0.78											Center Freq 15.075000 MHz
-10.8											Start Freq 150.000 kHz
-30.8											Stop Freq 30.000000 MHz
-50.8	1									-45.00 dBm	CF Step 2.985000 MHz <u>Auto</u> Man
-60.8 -70.8											Freq Offset 0 Hz
-80.8 Star	. <mark>М. М</mark> . М.		not a for the second second	naandarproxideer.rd	NAMUNIA	uri _{ner} ndarista	nayhriykumuuh	un fan ganden Albe		цачасци 0.00 MHz	
#Re	s BW 10	kHz		#VBW	30 kHz*				368.3 ms (1001 pts)	
	d Samataum	Analyzer - S						STATU	s <u>4</u> DC Cou	ibied	
LXI R	L	RF 50	Ω AC 000000	GHz PNO: Fast ↔ IFGain:Low		e Run 0 dB	Avg Type Avg Hold	ALIGN OFF e: RMS : 6/100	TRAC	MApr 07, 2017 DE 1 2 3 4 5 6 PE MWWWWWW ET A A A A A A	Frequency
				IF Galli.Low				м	kr2 25.0	39 GH7	Auto Tune
10 d Log	B/div R	tef Offset 9 tef 30.00	dBm						-32.5	79 dBm	
10 di 20.0	B/div R	tef 30.00	dBm						-32.5	79 dBm	Center Freq 13.015000000 GHz
_	B/div R	tef Offset 9 tef 30.00	dBm						-32.5	79 dBm	
20.0 10.0 0.00 -10.0	B/div R	tef 30.00							-32.5	79 dBm	13.015000000 GHz Start Freq
20.0 10.0 0.00	R 3/div R 	tef 30.00							-32.5	-25 00 dBm	13.01500000 GHz Start Freq 30.000000 MHz Stop Freq
20.0 10.0 0.00 -10.0 -20.0		tef 30.00	dBm					····	-32.5	79 dBm	13.01500000 GHz Start Freq 30.000000 MHz 26.0000000 GHz 2.59700000 GHz <u>2.59700000 GHz</u> <u>Auto</u> Man Freq Offset
20.0 10.0 -10.0 -20.0 -30.0 -40.0	3/div R								-32.5	79 dBm	13.01500000 GHz Start Freq 30.00000 MHz Stop Freq 26.00000000 GHz 2.597000000 GHz <u>Auto</u> Man
20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 Star	3/div R	z		*VBW	2 3.0 MHz	~			-32.5	79 dBm	13.01500000 GHz Start Freq 30.000000 MHz 26.0000000 GHz 2.59700000 GHz <u>2.59700000 GHz</u> <u>Auto</u> Man Freq Offset

	(Channe	I Bandwidth:15 M	Hz)_MCH_QF	PSK_1RB#0		
LXI RL	um Analyzer - Swept SA RF S⊡ Ω ▲ DC req 79.500 kHz Ph	SENSE:PULSE Trig: Free Run Sain:Low #Atten: 10 dB	Avg Type: RMS Avg Hold: 9/100	12:34:32 PM Apr 07, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWMMM DET I A A A A A	Frequency	
10 dB/div	Ref Offset 9.22 dB Ref 9.22 dBm	Sain:Low #Atten: 10 dB	N	1kr1 11.115 kHz -59.282 dBm	Auto Tune	
-0.78					Center Freq 79.500 kHz	
-10.8					Start Freq 9.000 kHz	
-30.8					Stop Freq 150.000 kHz	
-50.8				-55.00 dBm	CF Step 14.100 kHz Auto Man	
-60.8 -70.8	-mantanin and	non a a			Freq Offset 0 Hz	
-80.8		man wat a port of	Mary washing motion	Annon and and		
Start 9.00 #Res BW		#VBW 3.0 kHz*	Sweep 1	Stop 150.00 kHz 74.0 ms (1001 pts) DC Coupled		

		Analyzer - Sv	wept SA								
Cen		RF 501	000 MH:	z		E:PULSE	Avg Type Avg Hold	ALIGN OFF	12:34:40 P TRA	M Apr 07, 2017 E 1 2 3 4 5 6 PE MWWWWWW	Frequency
10 de Log	B/div F	tef Offset 9 Ref 9.22 d	.22 dB	PNO: Fast IFGain:Low	Trig: Fre #Atten: 1	e Run 6 dB	Avg Hold	: 9/100	[⊳] Mkr1	150 kHz 51 dBm	Auto Tune
-0.78											Center Freq 15.075000 MHz
-10.8											Start Freq 150.000 kHz
-30.8											Stop Freq 30.000000 MHz
-60.8	1									-45.00 dBm	CF Step 2.985000 MHz <u>Auto</u> Man
-60.8 -70.8	w. h										Freq Offset 0 Hz
-80.8 Star	- [№] ₩ ^Д ₩ t 150 кн		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Hed Protograding the State	talaktering ter	in the second	hydysamaerselystaj	halvenpvinkinged		。 2.00 MHz	
#Re:	s BW 10	kHz		#VBW	30 kHz*					(1001 pts)	
LXI RI	L	Analyzer - Sv RF 501 q 13.015	Ω AC 000000	PNO: Fast ++	Trig: Fre	e:PULSE	Avg Type Avg Hold	ALIGN OFF : RMS : 6/100	TRA	MApr 07, 2017 DE 1 2 3 4 5 6 PE MWWWWWW ET A A A A A A	Frequency
10 di				IFGain:Low	#Atten: 4	0 dB					Auto Tune
	3/div R	tef Offset 9 tef 30.00	dBm					м	-32.1	36 GHz 42 dBm	
20.0	3/div R	tef 30.00	dBm					M	-32.1	42 dBm	Center Freq 13.015000000 GHz
20.0 10.0 0.00	3/div F	ter offset 9 Ref 30.00	dBm						-32.1	42 dBm	Center Freq
10.0		tef 30.00							-32.1	42 dBm	Center Freq 13.015000000 GHz Start Freq
10.0 0.00 -10.0 -20.0 -30.0		tef 30.00							-32.1	-25.00 (Em	Center Freq 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq
10.0 0.00 -10.0 -20.0		tef 30.00							-32.1	42 dBm	Center Freq 13.015000000 GHz 30.000000 MHz 30.000000 GHz 25.00000000 GHz 2.557000000 GHz
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0		1	dBm						-32.1	-2500 (BM)	Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 25.0000000 GHz 2.597000000 GHz Auto Freq Offset
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 Star	3/div R	z		*VBW					-32.1	42 dBm	Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 25.0000000 GHz 2.597000000 GHz Auto Freq Offset

Agilen		Analyzer - Swe		l Band		15 MH		H_QF	PSK_1F	RB#0	1	
		79.500	kHz Ph	NO:Wide	Trig: Free	Run	Avg Type Avg Hold:	RMS	TRACE		Frequen	су
10 dE	R 3/div R	ef Offset 9.2 ef 9.22 di	IFC	Gain:Low	#Atten: 10	dB		N	lkr1 13.2			Tune
-0.78											Center 79.50	r Freq 00 kHz
-10.8 -20.8												t Freq 00 kHz
-30.8												Freq 00 kHz
-50.8	1									-55.00 dBm	CF 14.10 Auto	Step 00 kHz Man
-60.8 -70.8	William	Walter	00									
-80.8		4.4.54	nn n nd M. MrV	halbanghomy,o	Murrina	yrylywytyr	han the the	hy ntri A pyd	www.wally	whore		0 112
	t 9.00 kH s BW 1.0	1Z			3.0 kHz*				Stop 15 74.0 ms (0.00 KHZ		
MSG									DC Cou	• •		

Agilen	t Spectrun	n Analyzer - 1	swept SA								
LXI RI	L .	RF 50	5000 MH	17	SENS	SE:PULSE	Avg Type	ALIGN OFF	12:36:22 F	MApr 07, 2017	Frequency
Cen		q 15.07	5500 MF	PNO: Fast	Trig: Fre #Atten: 1	e Run 6 dB	Avg Hold:	9/100	The second se	CE 123456 /PE MWWWWWW DET A A A A A A	
10 de Log i	3/div	Ref Offset Ref 9.22	9.22 dB dBm	IFGain:Low	wattern: 1				Mkr1	150 kHz 43 dBm	Auto Tune
209											Center Freq
-0.78											15.075000 MHz
-10.8											Start Freq
-20.8											150.000 kHz
-30.8											Stop Freq
-40.8											30.000000 MHz
			-		-	-				-45.00 dBm	
-60.8	1	-	-		-		-				CF Step 2.985000 MHz
+60.8											<u>Auto</u> Man
-au.d											
-70.8		_	_								Freq Offset
	ľha ∭h										0 Hz
-80.8	'YWI	way	المراجع المجر الارد	rhim the hereitight	Mundunalit	And Mary	whetherman	ol and the other	monterile	all welling	
					1	1.4.1.4.4	1.4				
	t 150 k								Stop 3 68.3 ms	30.00 MHz	
#Re:	sBW 1	0 KHZ		#VBU	N 30 KHZ^			sweep 3			
#Re:	s BW 1	O KHZ		#VB1	W 30 kHz*				DC Co		
MSG	t Spectrum	n Analyzer - 1		#VB				STATU	DC Co	upled	
MSG Agilen	t Spectrur	Analyzer - S	5wept SA)Ω AC 5000000) GHz	SENS	E:PULSE		ALIGN OFF	DC Co	MApr 07, 2017	Frequency
MSG Agilen	t Spectrur	Analyzer - S	Ω AC		SENS	e Run	1	ALIGN OFF	DC Co	upled	
Agilen UM RI	t Spectrum L	Analyzer - S	9.1 dB	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	MApr 07, 2017	Frequency Auto Tune
MSG Agilen	t Spectrum L	RF 50 RF 50 RF 50 Ref Offset	9.1 dB	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	MApr 07, 2017 CE 1 2 3 4 5 6 PE A A A A A A 636 GHz	Auto Tune
Agilen UM RI	t Spectrum L	RF 50 RF 50 RF 50 Ref Offset	9.1 dB	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	MApr 07, 2017 CE 1 2 3 4 5 6 PE A A A A A A 636 GHz	Auto Tune Center Freq
Agilen UX RI Cen 10 de	t Spectrum L	Ref Offset	9.1 dB	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	MApr 07, 2017 CE 1 2 3 4 5 6 PE A A A A A A 636 GHz	Auto Tune
Agilen UX RI Cen 10 de	t Spectrum L	RF 50 RF 50 RF 50 Ref Offset	9.1 dB	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	MApr 07, 2017 CE 1 2 3 4 5 6 PE A A A A A A 636 GHz	Auto Tune Center Freq 13.01500000 GHz
Agilen Gen 10 de 20.0	t Spectrum L	Ref Offset	9.1 dB	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	MApr 07, 2017 CE 1 2 3 4 5 6 PE A A A A A A 636 GHz	Auto Tune Center Freq
MSG Agilon UX RI Cen 10 dE Log 20.0	t Spectrum L	Ref Offset	9.1 dB	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	MApr 07, 2017 CE 1 2 3 4 5 6 PE A A A A A A 636 GHz	Auto Tune Center Freq 13.01500000 GHz Start Freq
Agilen Gen 10 de 20.0	t Spectrum L	Ref Offset	9.1 dB	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	MApr 07, 2017 CE 1 2 3 4 5 6 PE A A A A A A 636 GHz	Auto Tune Center Freq 13.01500000 GHz Start Freq
MSG Agilon UN RI Cen 20.0 10.0 -10.0	t Spectrum L	Ref Offset	9.1 dB	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	MApr 07, 2017 CE 1 2 3 4 5 6 PE A A A A A A 636 GHz	Auto Tune
MSG Aplon 200 RU Cen 20.0 10.0	t Spectrum L	Ref Offset	9.1 dB	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	MApr 07, 2017 CE 1 2 3 4 5 6 PE A A A A A A 636 GHz	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz
MSG Agilon UN RI Cen 20.0 10.0 -10.0	t Spectrum L	Ref Offset	9.1 dB	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	A A A A A A A A A A A A A A A A A A A	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz CF Step
MSG Aglenn Cen 20.0 10.0 -10.0 -20.0 -30.0	3/div	Ref Offset	9.1 dB	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	A A A A A A A A A A A A A A A A A A A	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz
MSG Agilon XX RL Cen 20.0 10.0 -10.0 -20.0	t Spectrum L	Ref Offset	9.0 AC 5000000 9.1 dB 0 dBm	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	A A A A A A A A A A A A A A A A A A A	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz CF Step 2.557000000 GHz
MSG Aglenn Cen 20.0 10.0 -10.0 -20.0 -30.0	3/div	Analyzer 1 RF 152 rg 13.01 Ref Offset Ref 30.00 1	9.0 AC 5000000 9.1 dB 0 dBm	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	A A A A A A A A A A A A A A A A A A A	Auto Tune 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.59700000 GHz Auto Man Freq Offset
MSG Aglenn 20.0 R (20.0 10.0 -10.0 -20.0 -30.0 -40.0	3/div	Analyzer 1 RF 152 rg 13.01 Ref Offset Ref 30.00 1	9.0 AC 5000000 9.1 dB 0 dBm	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	A A A A A A A A A A A A A A A A A A A	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz 26.00000000 GHz 26.00000000 GHz Auto CF Step 2.59700000 GHz Auto
MSG Aglenn 20.0 R (20.0 10.0 -10.0 -20.0 -30.0 -40.0	3/div	Analyzer 1 RF 152 rg 13.01 Ref Offset Ref 30.00 1	9.0 AC 5000000 9.1 dB 0 dBm	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:36:25 F TRA TRA TRA TRA TRA TRA TRA TRA TRA TRA	A A A A A A A A A A A A A A A A A A A	Auto Tune 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.59700000 GHz Auto Man Freq Offset
MSG Aplen 20.0 20.0 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0	3/div	Analyzer	9.0 AC 5000000 9.1 dB 0 dBm	GHz PN0: Fast ↔	SENS	e Run		ALIGN OFF E: RMS 6/100	12:30:29 F 13:30:29 F Kr2 25.4 -32.0	And 07, 2017 (1) 2017 (1) 2013 (1) 2013 (1) 2015 (1) 2015 (1	Auto Tune 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.59700000 GHz Auto Man Freq Offset
MSG Aglien (20 R C Con 20.0 10.0 -10.0 -20.0 -20.0 -30.0 -40.0 -50.0 -50.0 Star	3/div	n Analyzer	9.0 AC 5000000 9.1 dB 0 dBm	PRO: Cont of Proceedings of the Proceeding of th	SENS	e Run 0 dB			12:30:25 F	A A A A A A A A A A A A A A A A A A A	Auto Tune 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.59700000 GHz Auto Man Freq Offset

			(Cł	nannel	Band	width:1	5 MH	z)_LCI	H_16C	QAM_1	RB#0	
0	XI RL	L F	nalyzer - Swe № 50 Ω. 79.500	<u>∧</u> pc kHz	IO: Wide	1	PULSE	Avg Type Avg Hold:		TRAC	Apr 07, 2017 E 1 2 3 4 5 6 E MWWWWWWW	Frequency
	10 dE	Re Bidiy R i	ef Offset 9.2 ef 9.22 dE	IFC 2 dB	Gain:Low	#Atten: 10	dB	-		Mkr1 9.1		Auto Tune
Ľ	-0.78											Center Freq 79.500 kHz
	-10.8											Start Freq 9,000 kHz
	-20.8 -30.8											Stop Freq
	-40.8											150.000 kHz
	-50.8 -60.8	1 701										14.100 kHz <u>Auto</u> Man
	-70.8	n white a	and the second	MMANAN	malilung	Maran	Mlu M	. a Mahu Bara		MANA AN		Freq Offset 0 Hz
	-80.8	t 9.00 kH				r of Forder of	ի մետկում։	₩ ₩ ₩	₩₩₩₩₩₩	What when	/////////////////////////////////////	
#	#Res	s BW 1.0				3.0 kHz*			Sweep 1	74.0 ms (1001 pts)	
M	ASG								STATUS	🔥 DC Cou	pled	

	trum Analyzer - Sw	vept SA							
LXI RL		000 MHz		ENSE:PULSE	Ava Type:	RMS	12:33:51 PM A TRACE	pr 07, 2017 1 2 3 4 5 6 MWWWWWW	Frequency
10 dB/div Log	Ref Offset 9. Ref 9.22 d	IFGain: .22 dB		iree Run a: 16 dB	Avg Hoid:	8/100	DET	A A A A A A	Auto Tune
-0.78									Center Freq 15.075000 MHz
-10.8									Start Freq 150.000 kHz
-30.8									Stop Freq 30.000000 MHz
-60.8								-45.00 dBm	CF Step 2.985000 MHz Auto Man
-70.8									Freq Offset 0 Hz
Start 15	0 kHz	nehityphitesetablishanite					Stop 30.	00 MHz	
#Res BV	V 10 kHz		#VBW 30 kH	z*	5		368.3 ms (1)		
Agilent Spec	trum Analyzer - Sw	vept SA					T no nodb		
Center	RF 50 G	2 AC 000000 GHz		ENSE:PULSE	Ava Type:	RMS	12:33:54 PM A TRACE	123456	Frequency
		PNO: F IFGain:		ree Run 1: 40 dB	Avg Hold:		DET		Auto Tune
		.1 dB				IVI	kr2 25.63	o GHZ	
10 dB/div	Ref Offset 9. Ref 30.00	dBm					-32.30	6 dBm	
10 dB/div 20.0	Ref 30.00	dBm					-32.30	6 dBm	Center Freq 13.015000000 GHz
	Ref 30.00						-32.30	6 dBm	
20.0	Ref 30.00	dBm					-32.30		13.015000000 GHz Start Freq
20.0	Ref 30.00	dBm					-32.30	-25.00 dBm	13.015000000 GHz Start Freq 30.000000 MHz Stop Freq
20.0 10.0 -10.0 -20.0	Ref 30.00	dBm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				-32.30		13.01500000 GHz Start Freq 30.00000 MHz Stop Freq 26.0000000 GHz CF Step 2.597000000 GHz
20.0 10.0 -10.0 -20.0 -20.0 -40.0 -50.0 -60.0	Ref 30.00	dBm				م م		-25.00 dBm	13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.59700000 GHz Auto Man Freq Offset
20.0	Ref 30.00		*VBW 3.0 MI	H2*		مرمر میں	-32.30	-25.00 dBm	13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.59700000 GHz Auto Man Freq Offset

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

Agilen	t Spectrum /	Analyzer - Swe	pt SA								
LX/ RL	L I	RF 50 Ω. 79.500 			7	E:PULSE	Avg Type Avg Hold:	ALIGN OFF	12:35:23 PM TRAC TVI DI	Apr 07, 2017	Frequency
10 de Log I	Re B/div R	ef Offset 9.2 ef 9.22 dE		10: Wide ↔ Sain:Low	#Atten: 10	3 dB	Avginola:		Mkr1 9.3		Auto Tune
-0.78											Center Freq 79.500 kHz
-10.8											Start Freq
-20.8											9.000 kHz
-30.8											Stop Freq 150.000 kHz
-60.8	1									-55.00 dBm	CF Step 14.100 kHz Auto Man
+60.8 -70.8	ontradition of the state of the	www.www	mann	and the second	Mr. John 6 1				Mr. Maryland		Freq Offset 0 Hz
-80.8			r	VIII V	a. An uith	WWWW WYY	aprese to the stand	how Minor	Manghaph	And Mandana	0 112
	t 9.00 kH s BW 1.0				3.0 kHz*			Sweep 1	74.0 ms (1001 pts)	
MSG	_							STATUS	B 🚹 DC Cou	pled	
LXI RL	L 1	Analyzer - Swe RF 50 ລ. 15.0750	1 DC		SENS	E:PULSE		ALIGN OFF	12:35:31 P	Apr 07, 2017	Frequency
	P	ef Offset 9.2 ef 9.22 dE	P	NO: Fast 🔸	Trig: Free #Atten: 10	BRUN BdB	Avg Hold:	9/100	12:35:31 PM TRAC TVI DI Mkr1	150 kHz 99 dBm	Auto Tune
10 dE	B/div R	ef 9.22 dE	3m						-60.5		
-0.78											Center Freq 15.075000 MHz
-10.8											Start Freq 150.000 kHz
-30.8											Stop Freq 30.000000 MHz
-40.8										-45.00 dBm	CF Step
+60.8	1										2.985000 MHz <u>Auto</u> Man
-70.8	Marth hu										Freq Offset 0 Hz
			yidaydad falloff	41.000000000	روورية الموصاد المراجع	handberrindersen	፟ኯ፟ቘዹ _፞ ኯቚኯዸዸኇኯቚኯጚ	herers and the state of the	L.W.W.M. MANYA	had by the second	
Star #Re:	t 150 kH: s 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	LI	Analyzer - Swe RF 50 Ω	AC	1	SENS	E:PULSE	4	ALIGN OFF	12:35:34 P	1 Apr 07, 2017	Frequency
Cen		13.0150	P	iHz NO: Fast ↔ Gain:Low	#Atten: 40	e Run 0 dB	Avg Type Avg Hold:		12:35:34 PM TRAC TVI DI		Auto Tune
10 de Log	B/div R	ef Offset 9.1 ef 30.00 d	dB IBm					171	kr2 25.1 -32.4	46 dBm	
20.0											Center Freq 13.015000000 GHz
10.0		1									Start Freq 30.000000 MHz
-10.0											Stop Freq
-20.0										-25.00 dBm	26.00000000 GHz
-30.0		Lun,	- ماي جن حاله مان		~~~~	maria	manner	Maryan	have	~~~~ ²	CF Step 2.597000000 GHz <u>Auto</u> Man
-50.0	hand										Freq Offset 0 Hz
-60.0											
Star	t 30 MHz	:							Stop 2	6.00 GHz	
#Res	s BW 1.0	MHz		#VBW	3.0 MHz	*		Sweep 6	i4.93 ms (1001 pts)	

Agiler	nt Spectrum .	Analyzer - Swo	PPT SA								
Cen	ter Fred	RF 50 Ω	кHz Р	NO: Wide 🔸		Run	Avg Type Avg Hold:	ALIGN OFF : RMS 9/100	12:37:04 PM TRAC TVF DE	E 1 2 3 4 5 6	Frequency
10 d'	B/div R	ef Offset 9.2 ef 9.22 de		Gain:Low	#Atten: 10	a B			Mkr1 9.7 -61.2		Auto Tune
-0.78											Center Freq 79.500 kHz
-10.8											Start Freq
-20.8											9.000 kHz
-30.8											Stop Freq 150.000 kHz
-50.8	1									-55.00 dBm	CF Step 14.100 kHz Auto Man
+60.8 -70.8	hur han	Why man 1.	0 (Freq Offset
-80.8		4.19.41	be Alberson Mad	WMMM	an the second	Mapmaana	Anna May	WANAMA	why hy hy	hun mar	
Star #Re	L 1:9.00 kH sBW 1.0	1Z			/ 3.0 kHz*			Sweep 1	Stop 15	0.00 kHz 1001 pts)	
MSG	at Spectrum	Analyzer - Swo	ont SA		_				s 🦺 DC Cou		
LXI R	L	RF 50 Ω 15.0750			SENSE	Bun	Avg Type	ALIGN OFF RMS 9/100	12:37:13 PM TRAC TVF DE	Apr 07, 2017	Frequency
10 d	B/div R	ef Offset 9.2 ef 9.22 de		NO: Fast 🔸	Trig: Free #Atten: 16	dB			Mkr1 ′ -60.1	150 kHz 59 dBm	Auto Tune
-0.78											Center Freq 15.075000 MHz
-10.8											Start Freq 150.000 kHz
-20.8											
-40.8										-45.00 dBm	Stop Freq 30.000000 MHz
-50.8	1										CF Step 2.985000 MHz <u>Auto</u> Man
-70.8	4 JI										Freq Offset 0 Hz
-80.8	₩₩₩₩	Virentepperar	เพล่างะารุประเทศ 🗝	here and the	universided ale	ts.a.usayta/sa	het the Assert	heisefrighter freihere	www.httinglo-jacontes	*****	
Star #Re	t 150 kH s BW 10	z kHz		#VBW	30 kHz*				Stop 3 368.3 ms (
	nt Spectrum	Analyzer - Swe	pt SA								
LXI R	ter Fred	RF 50 Ω 13.0150	000000 C	SHz NO: Fast ↔ Gain:Low	Trig: Free #Atten: 40	Run dB	Avg Type Avg Hold:			E 123456 E MWWWWWW T A A A A A A A	Frequency Auto Tune
10 di Log	B/div R	ef Offset 9.1 ef 30.00 c	dB IBM	1				м	kr2 25.5 -32.3	33 GHz 75 dBm	
20.0		<u></u>									Center Freq 13.015000000 GHz
10.0		ľ									Start Freq 30.000000 MHz
-10.0											Stop Freq
-20.0										-25.00 dBm	26.00000000 GHz CF Step 2.597000000 GHz
-40.0	No. M. Share	handrow	ەلەر مەرەپ مەر		~~~~~	mm	hormon	man	man	mm	2.597000000 GHz <u>Auto</u> Man
-50.0											Freq Offset 0 Hz
-60.0 Star	1 30 MHz	7							Stop 2	6.00 GHz	
Star #Re ^{MSG}	s BW 1.0	MHz		#VBW	3.0 MHz	•	1	Sweep 6	64.93 ms (1001 pts)	

Channel Bandwidth: 20 MHz

Agiler	it Spectrum.	(C Analyzer - Swe		el Banc	lwidth:	20 M⊦	lz)_LC	H_QP	SK_1F	RB#0	
LX/ R	L	RF 50 Ω	<u>∧</u> ⊳⊂ kHz		SENSE	E:PULSE	Avg Type Avg Hold:	ALIGN OFF	12:37:56 PM TRAC	1 Apr 07, 2017 E 1 2 3 4 5 6 E MWWWWW T A A A A A A	Frequency
10 di Log	R B/div R	ef Offset 9.2 ef 9.22 de	IFI 2 dB	10: Wide ↔ Sain:Low	#Atten: 10	dB	Avg Hold:		kr1 10.9		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										-55.00 dBm	CF Step 14.100 kHz
-60.8	● ¹ ₩ ¹ ₩₩	A ,								-55.00 dbm	Auto Man Freq Offset
-70.8	Υ·*	Marthan	han lange and	alyayyumana	www.	manna	whythm	way way w	wahran	eryunyuwan	0 Hz
#Re	t 9.00 kH s BW 1.0	1z			3.0 kHz*			Sweep 1	Stop 15 74.0 ms (ہ 0.00 kHz 1001 pts)	
MSG		Annalasa an Barra						STATUS	🔔 DC Cou	pled	
LXI R	L	Analyzer - Swo RF 50 Ω 15.0750	00 MHz		SENSE	E:PULSE	Avg Type	ALIGN OFF	12:38:05 PM TRAC	Apr 07, 2017 E 1 2 3 4 5 6 E MWWWWW	Frequency
	R	ef Offset 9.2 ef 9.22 de	P IFi 2 dB	NO:Fast ↔► Sain:Low	#Atten: 16	a Run 5 dB	Avg Hold:	9/100	Mkr1 1	150 kHz 12 dBm	Auto Tune
10 di -0.78											Center Freq 15.075000 MHz
-10.8											Start Freq 150.000 kHz
-30.8											Stop Freq 30.000000 MHz
-40.8 -50.8	1									-45.00 dBm	CF Step 2.985000 MHz
-60.8	<u> </u>										Auto Man Freq Offset
-70.8	Y. AND	hand the stand of the	man	Yerdallalle United de	rlinetyr-millever	muniter	แก่นางกระเป็นในการเล	LARLINGHAMMERINE	and half shared a second	4/4U40.044-40-4-	0 Hz
#Re	t 150 kH s BW 10	z	. . F		30 kHz*			Sweep 3	Stop 30 68.3 ms (1	0.00 MHz 1001 pts)	
MSG Agiler	t Spectrum.	Analyzer - Swe	pt SA						1 DC Cou	pled	
LX/ R	L	RF 50 ຂ 13.0150	AC 00000 G	iHz NO: Fast ↔ Gain:Low	SENSE Trig: Free #Atten: 40	E:PULSE B Run D dB	Avg Type Avg Hold:	ALIGN OFF : RMS 6/100	12:38:08 PM TRAC TVP DE	1 Apr 07, 2017 E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
10 di Log	B/div R	ef Offset 9.1 ef 30.00 c	dB IBm					м	kr2 25.6 -32.1	62 GHz 13 dBm	
20.0		1									Center Freq 13.015000000 GHz
0.00											Start Freq 30.000000 MHz
-10.0 -20.0										-25.00 dBm	Stop Freq 26.00000000 GHz
-30.0		home			~~~	~~~~		m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-25.00 dBm	CF Step 2.597000000 GHz Auto Man
-40.0	Mar and a second second	- Lucia									Freq Offset 0 Hz
		1	1	1		1	1				L
-60.0	t 30 MHz	-							Bton 0	6.00 GHz	

	um Analyzer - Swep	nannel Bar		()_MCI				
IXI BL	⊮େ 50 ଛ <mark>/</mark> req 79.500 k	NDC .	SENSE:	A Run A	Avg Type: I vg Hold: 9	LIGN OFF RMS /100	12:39:35 PM / TRACE TYPE	pr 07, 2017 1 2 3 4 5 6 Mutuutututu A A A A A A	Frequency
10 dB/div	Ref Offset 9.22 Ref 9.22 dB	IFGain:Low		dB			kr1 10.6		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								-55.00 dBm	CF Step 14.100 kHz
	14440								Auto Man Freq Offset
-70.8	an a horigination of	Vientertert	www.mw	www.	home and the second sec	Wylwyry	wordwar	My Kywyt	0 Hz
#Res BW 1	KHZ		BW 3.0 kHz*			weep 17	74.0 ms (1	001 pts)	
MSG Agilent Spectru	um Analyzer - Swep	of SA				STATUS	1 DC Coup	ned	
LX/ RL	RF 50 Ω <u>4</u> eq 15.07500		SENSE:		Avg Type: I vg Hold: 9	LIGN OFF	12:39:44 PMA TRACE	pr 07, 2017 1 2 3 4 5 6 MWWWWWW A A A A A A	Frequency
10 dB/div	Ref Offset 9.22 Ref 9.22 dB	PNO: Fast IFGain:Low	#Atten: 16	dB A	alluola: a	, , , , , , , , , , , , , , , , , , , ,	Mkr1 1		Auto Tune
-0.78									Center Freq 15.075000 MHz
-10.8									Start Freq 150.000 kHz
-30.8									Stop Freq 30.000000 MHz
-40.8								-45.00 dBm	CF Step 2.985000 MHz
-60.8									Auto Man Freq Offset
M. A	n I in water the provided the	nstop-t-morantasiantasianation	hendlowing and the state of the	viningle-satisficity	hannellergeture	de la generation de la companya	Management	ywalywal	0 Hz
Start 150 k #Res BW 1	kHz		BW 30 kHz*			weep 36	Stop 30. 58.3 ms (1	.00 MHz 001 pts)	
Agilent Spectru	um Analyzer - Swep	ot SA							
Center Fr	eq 13.01500	DOOOO GHz PNO: Fast	SENSE:	A Run A	Avg Type: I vg Hold: 6	LIGN OFF RMS /100	12:39:47 PM A TRACE TYPE	pr 07, 2017 1 2 3 4 5 6 MMMMMM A A A A A A	Frequency
10 dB/div	Ref Offset 9.1 Ref 30.00 di	PNO: Fast IFGain:Low Bm	#Atten: 40	dB			r2 25.06		Auto Tune
20.0	+								Center Freq 13.015000000 GHz
0.00									Start Freq 30.000000 MHz
-10.0									Stop Freq 26.00000000 GHz
-20.0								-25.00 dBm	CF Step 2.597000000 GHz Auto Man
-40.0	walnum			re or the share the of	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	and the second of		•	Freq Offset
									0 Hz
-60.0									

		(C	hanne	el Band	width:	20 MH	lz)_HC	:H_QF	PSK_1	RB#0	
Agile	nt Spectrum /	Analyzer - Swo RF 50 Q	DC		SENSF	E:PULSE	Avg Type Avg Hold:	ALIGN OFF	12:41:17 PM	1Apr 07, 2017	Frequency
Cer	nter Fred	79.500	KHZ P	NO: Wide 🚥 Gain:Low	#Atten: 10	∎Run 0dB	Avg Hold:			1 Apr 07, 2017 E 1 2 3 4 5 6 E MWWWWW T A A A A A A	
10 d	B/div R	ef Offset 9.2 ef 9.22 dE	2 dB 3m					I	Mkr1 9.1 -59.2	141 kHz 34 dBm	Auto Tune
_											Center Freq
-0.78	3										79.500 kHz
-10.8	3										Start Freq
-20.8		-									9.000 kHz
-30.8	3										Stop Freq
-40.8	3										150.000 kHz
-60.8	1					<u> </u>				-55.00 dBm	CF Step 14.100 kHz
-60.8	hills										<u>Auto</u> Man
-70.8	, where we have	Mr. Marine Marine	h	11. 1. 1.							Freq Offset 0 Hz
-80.8			h Kuin-AA	Wr Mr. Mr. Mr. Mr. Mr. Mr. Mr. Mr. Mr. Mr	maria	hourna	por an when	MANNA A	+hran males	Martin	
Sta	rt 9.00 kH	z							Stop 15	0.00 kHz	
#Re	s BW 1.0	kHz		#VBW	3.0 kHz*		1		74.0 ms (1001 pts)	
Agile	nt Spectrum a	Analyzer - Swo	opt SA								
Cer	nter Frec	15.0750	00 MHz	NO: Fast 🔸	Trig: Free #Atten: 16	e Run	Avg Type Avg Hold:	ALIGN OFF : RMS 8/100	12:41:26 PM TRAC TVF DE	E 1 2 3 4 5 6	Frequency
	R	ef Offset 9.2		Gain:Low	#Atten: 16	3 dB				150 kHz 39 dBm	Auto Tune
10 d Log	IB/div R	ef Offset 9.2 ef 9.22 de	Bm	,		T			-59.8	39 dBm	
-0.78											Center Freq 15.075000 MHz
-10.8											
-20.8)										Start Freq 150.000 kHz
-30.8	3										Stop Freq
-40.8	,										30.000000 MHz
-50.8	,									-45.00 dBm	CF Step 2.985000 MHz
-60.8	1										2.985000 MHz Auto Man
-70.8											Freq Offset
-80.8	Yu Mu										0 Hz
			ta water the form	Approx participants	human	epsethylander	form-non-vine	4/8dooren/err/pen/e			
Sta #Re	rt 150 kH es BW 10	z kHz		#VBW	30 kHz*		1		368.3 m s (
MSG	ot Spectrum -	Analyzer - Swe	unt SA	_				STATUS	s <u>4</u> DC Cou	pled	
	21	PE 50.0	AC.	SHz NO: Fast Gain:Low	SENSE	E:PULSE	Avg Type Avg Hold:	ALIGN OFF RMS	12:41:29 PM TRAC TVF DE	1Apr 07, 2017 E 1 2 3 4 5 6	Frequency
				NO: Fast	#Atten: 40	DdB	Avginola.		kr2 25.6		Auto Tune
10 d Log	IB/div R	ef Offset 9.1 ef 30.00 c	iBm				1		-31.6	37 dBm	
20.0											Center Freq 13.015000000 GHz
10.0	,	1									
0.00		ľ									Start Freq 30.000000 MHz
-10.0											
-20.0											Stop Freq 26.00000000 GHz
-30.0										-25.00 dBm	CF Step
-30.0		in the second second			-	manner	m	man	hann	mrx	2.597000000 GHz Auto Man
	A. Lawrence	- Charles									Freq Offset
-50.0											0 Hz
-60.0)					1					
Sta #Re	rt 30 MHz es BW 1.0	2 MHz	1	#\/B\//	3.0 MHz	*	•	Sween 6	Stop 2 54.93 ms (6.00 GHz	
#Re				# V D VV	3.0 MHZ			sweep o		.501 pts)	

	el Bandwidth:20 MH	lz)_LCH_16QAM	_1RB#0		
 Agilent Spectrum Analyzer - Swept SA	SENSE:PULSE	ALIGN OFF 12:38:	15 PM Apr 07, 2017	Frequency	
Center Freq 79.500 kHz	PNO: Wide Trig: Free Run IFGain:Low #Atten: 10 dB	Avg Type: RMS Avg Hold: 9/100	TRACE 1 2 3 4 5 6 TYPE MWWWWWW DET A A A A A A		
Ref Offset 9.22 dB	in Gameow	Mkr1_1	1.256 kHz	Auto Tune	
10 dB/div Ref 9.22 dBm		-02	.135 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					
-50.8			-55.00 dBm	CF Step 14.100 kHz	
+60.8 1				<u>Auto Man</u>	
-70.8 MMMMMMMMMMMMMMMMM				Freq Offset	
-80.8	Whow was a white and the many	When a the other of us to be a		0 Hz	
	Werning wild wind with the second	Loud Line on the Marshill	manner		
Start 9.00 kHz #Res BW 1.0 kHz	#VBW 3.0 kHz*	Stop Sweep 174.0 m	150.00 kHz		
MSG	#1211 3.3 KHZ	STATUS			
Agilent Spectrum Analyzer - Swept SA	SENSE:PULSE	ALIGN OFF 12:38	54 PM Apr 07, 2017		
Center Freq 15.075000 MH	Z PNO: Fast IFGain:Low #Atten: 16 dB	ALIGN OFF 12:38: Avg Type: RMS Avg Hold: 9/100	TYPE MWWWWWW DET A A A A A A	Frequency	
D-600-100010	iFGain:Low #Atten: 16 dB	Mkr	1 150 kHz	Auto Tune	
10 dB/div Ref 9.22 dB Log		-60	.285 dBm		
-0.78				Center Freq 15.075000 MHz	
-10.8					
				Start Freq 150.000 kHz	
-20.8				100.000 KHz	
-30.8			[Stop Freq	
-40.8			-45.00 dBm	30.000000 MHz	
-50.8				CF Step 2.985000 MHz	
-60.8				Auto Man	
-70.8				Freq Offset	
h A				0 Hz	
-80.8 Him A Balanti wardan balanti wardan wa	malaynantiphatanatatikkanaantalaisistamagaaatipaaka	with the matched back performance	where we wanted a galant		
Start 150 kHz		Sto	30.00 MHz		
#Res BW 10 kHz	#VBW 30 kHz*	Sweep 368.3 m STATUS 1 DC			
Agilent Spectrum Analyzer - Swept SA	SENSE:PULSE	AU (CN OEE 19-98-	57 PM Apr 07, 2017		
Center Freq 13.015000000	GHz PNO: Fast +++ IFGain:Low #Atten: 40 dB	Avg Type: RMS Avg[Hold: 7/100	TYPE MWWWWWW DET A A A A A A	Frequency	
D-COM- HO L HD	IFGain:Low #Atten: 40 dB		5.610 GHz .947 dBm	Auto Tune	
Ref Offset 9.1 dB 10 dB/div Ref 30.00 dBm		-31	.947 dBm		
20.0				Center Freq 13.015000000 GHz	
10.0					
				Start Freq	
0.00				30.000000 MHz	
-10.0				Stop Freq	
-20.0			-25.00 dBm	26.00000000 GHz	
-30.0				CF Step 2.597000000 GHz	
-40.0	have a south of the second second	man	m	2.597000000 GHz <u>Auto</u> Man	
under the second				Freq Offset	
-50.0				0 Hz	
-60.0					
Start 30 MHz		Sto	o 26.00 GHz		
#Res BW 1.0 MHz	#VBW 3.0 MHz*	Sweep 64.93 m	s (1001 pts)		
		011100			

		dwidth:20 MH	lz)_MCH_160	QAM_1RB#0		
Agilent Spectrum Analyzer X RL RF Marker 1 10.2690		SENSE:PULSE	ALIGN AUTO	07:37:39 PM Jun 06, 2017 TRACE 1 2 3 4 5 6	Peak Search	
Bot Office	PNO: Wide IFGain:Low	Trig: Free Run #Atten: 10 dB	Avg Type: RMS Avg Hold: 24/100	kr1 10.269 kHz -56.991 dBm	Next Peak	
10 dB/div Ref 9.22	2 dBm			-56.991 dBm		
-0.78					Next Pk Right	
-10.8					Next Pk Left	
-30.8						
-40.8					Marker Delta	
-50.8				-55.00 dBm	Mkr→CF	
-60.8 4444 40 MM	Amoun Man Man and) -	heladellucionated Alastrophysion,		Mkr→RefLvi	
-80.8		WHU VIMMAN MANA	Weddellowwww.and.androgeneration	manshally Maymon 2	More	
Start 9.00 kHz #Res BW 1.0 kHz	#VE	3W 3.0 kHz*	Sweep 1	74.0 ms (1001 pts)	1 of 2	
MSG	- Swant SA		STATUS	L DC Coupled		
Agilent Spectrum Analyzer V RL RF Center Freq 15.0		SENSE:PULSE	Avg Type: RMS Avg Hold: 9/100	12:40:35 PM Apr 07, 2017 TRACE 1 2 3 4 5 6 TYPE M WWWW DET A A A A A A	Frequency	
Ref Offse	PNO: Fast IFGain:Low at 9.22 dB 2 dBm	*** Trig: Free Run #Atten: 16 dB	Avg Hold: 9/100	Mkr1 150 kHz -60.602 dBm	Auto Tune	
10 dB/div Ref 9.2	2 dBm			-60.802 (18)	Center Freq	
-10.8					15.075000 MHz	
-20.8					Start Freq 150.000 kHz	
-30.8					Stop Freq 30.000000 MHz	
-40.8				-45.00 dBm	CF Step 2.985000 MHz	
-60.8					2.985000 MHz <u>Auto</u> Man	
-70.8					Freq Offset 0 Hz	
-80.8	ะงารราณและสาระเมลา _ไ รณ์สาระหว่างได้สาระ	analina welley man proposition of	www.ulty-tak-topecy-detain-autoristytcherate	gerandlere addenication fronts with		
Start 150 kHz #Res BW 10 kHz		30 kHz*	Sweep 3	Stop 30.00 MHz 68.3 ms (1001 pts)		
Agilent Spectrum Analyzer	- Swept SA	SENSE:PULSE		12:40:38 PM Apr 07, 2017		
Center Freq 13.0	50 Ω AC 15000000 GHz PNO: Fast IFGain:Low	Trig: Free Run #Atten: 40 dB	Avg Type: RMS Avg Hold: 6/100	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET A A A A A A	Frequency	
Ref Offso 10 dB/div Ref 30.	et 9.1 dB 00 dBm		м	kr2 25.662 GHz -32.378 dBm	Auto Tune	
20.0					Center Freq 13.015000000 GHz	
10.0					Start Freq	
-10.0					30.000000 MHz	
-20.0				-25.00 dBm	Stop Freq 26.000000000 GHz	
-30.0		the second s	- Andrew and the second		CF Step 2.597000000 GHz Auto Man	
-40.0	and the second s				Freq Offset	
-60.0					0 Hz	
Start 30 MHz #Res BW 1.0 MHz	#\/I	3W 3.0 MHz*	Sween 6	Stop 26.00 GHz 4.93 ms (1001 pts)		
MSG	# •	0.012	status			

LXI R	_			Bandy	width:2	0 MHz	Z)_HCI	1_16C	QAM_1	RB#0	
Car	L 1	inalyzer - Swe ເຂີ່50 ຊ.4 79.500	1 DC		SENSE	SPULSE		ALIGN OFF	12:42:06 PM	Apr 07, 2017	Frequency
	R		PN	IO: Wide 🚥 Sain:Low	Trig: Free #Atten: 10	Run dB	Avg Type Avg Hold:		kr1 14.0	76 kHz	Auto Tune
10 di Log	B/div R	ef Offset 9.2 ef 9.22 dE	3m						-62.72	20 dBm	Center Freq
-10.8											79.500 kHz
-20.8											Start Freq 9.000 kHz
-30.8											Stop Freq 150.000 kHz
-50.8										-55.00 dBm	CF Step 14.100 kHz <u>Auto</u> Man
-60.8	WWW.	holes	6.f								Freq Offset
-80.8		www.	หาษาษณฑ	MYANAAAAA	MMW	MINWIAM	how read	MM	unylyyna	whenwhe	0 Hz
Star #Re	t9.00 kH sBW 1.0	z			3.0 kHz*			weep 1	Stop 15 74.0 ms (0.00 kHz 1001 pts)	
Agiler	it Spectrum /	inalyzer - Swe	pt SA					STATUS	1 DC Cou	pied	
LXI R	L I	≆ 50Ω 15.0750		NO: Fast 🚥	SENSE Trig: Free #Atten: 16	Run dB	Avg Type: Avg Hold:	ALIGN OFF RMS 9/100	12:42:15 PM TRAC TYF DE	Apr 07, 2017 E 1 2 3 4 5 6 E MWWWWW T A A A A A A	Frequency
10 di Log	B/div R	ef Offset 9.2 ef 9.22 dE	2 dB			_			Mkr1 1	50 kHz 38 dBm	Auto Tune
-0.78											Center Freq 15.075000 MHz
-10.8											Start Freq 150.000 kHz
-30.8											Stop Freq
-40.8										-45.00 dBm	30.000000 MHz CF Step
-60.8	1										2.985000 MHz <u>Auto</u> Man
-70.8											Freq Offset 0 Hz
-80.8	"4.X Win	العرابهم وإسرادهم	have been a stand of the	Antonia Maria	Alexandra Alexandra	وممرية سالينا				Literilus hilds / the	
Star	t 150 kH:	Z				hu ann dhu a dh	alalaman		Stop 3	0.00 MHz	
#Re MSG	t 150 kH: sBW 10	z KHz			30 kHz*	1947 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 -		weep 3	5100 30 5100 30 68.3 ms (1 DC Cou	0.00 MHz 1001 pts)	
#Re MSG Agiler	t 150 kH; s BW 10	Z	AC	#VBW	30 kHz*	:PULSE	5	Sweep 30	Stop 3 68.3 ms (DC Cou	D.00 MHz 1001 pts) pled	Frequency
#Re MSG Agiler (XI R Cen	t 150 kH s BW 10 Il Spectrum / L l i tter Freq	Z KHZ Malyzer - Swe ∛F 50 Ω	pt SA A⊂ 000000 G PT IFC dB	#VBW	30 kHz*	:PULSE	s	ALIGN OFF RMS 7/100	Stop 3(68.3 ms (DC Cou 12:42:18 PM TRAC TYPE DE kr2 25.6	D.00 MHz 1001 pts) pled E 1 2 3 4 5 6 E MWWWWW T A A A A A	Frequency Auto Tune
#Re MSG Agiler	t 150 kH s BW 10 Il Spectrum / L l i tter Freq	z kHz R= 50 Ω 13.0150	pt SA A⊂ 000000 G PT IFC dB	#VBW	30 kHz*	:PULSE	s	ALIGN OFF RMS 7/100	Stop 3(68.3 ms (DC Cou 12:42:18 PM TRAC TYPE DE kr2 25.6	D.00 MHz 1001 pts) pled E 1 2 3 4 5 6 E MWWWWW TA A A A A 10 GHz	
#Re MSG Agilor X/ R Cen 10 di Log 20.0	t 150 kH s BW 10 Il Spectrum / L l i tter Freq	z kHz R= 50 Ω 13.0150	pt SA A⊂ 000000 G PT IFC dB	#VBW	30 kHz*	:PULSE	s	ALIGN OFF RMS 7/100	Stop 3(68.3 ms (DC Cou 12:42:18 PM TRAC TYPE DE kr2 25.6	D.00 MHz 1001 pts) pled E 1 2 3 4 5 6 E MWWWWW TA A A A A 10 GHz	Auto Tune Center Freq 13.01500000 GHz Start Freq
#Re MSG Agiler La R Cen 10 di Log 20.0	t 150 kH s BW 10 Il Spectrum / L l i tter Freq	z kHz R= 50 Ω 13.0150	pt SA A⊂ 000000 G PT IFC dB	#VBW	30 kHz*	:PULSE	s	ALIGN OFF RMS 7/100	Stop 3(68.3 ms (DC Cou 12:42:18 PM TRAC TYPE DE kr2 25.6	D.00 MHz 1001 pts) pled E 1 2 3 4 5 6 E MWWWWW TA A A A A 10 GHz	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq
#Re Msg Aglier JX R Cern 10.0 20.0 10.0 -10.0 -20.0	t 150 kH s BW 10 Il Spectrum / L l i tter Freq	z kHz R= 50 Ω 13.0150	pt SA A⊂ 000000 G PT IFC dB	#VBW	30 kHz*	:PULSE	s	ALIGN OFF RMS 7/100	Stop 3(68.3 ms (DC Cou 12:42:18 PM TRAC TYPE DE kr2 25.6	D.00 MHz 1001 pts) pled E 1 2 3 4 5 6 E MWWWWW TA A A A A 10 GHz	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz
#Re MSG Aglier Cen 20.0 10.0 0.00 -10.0	t 150 kH s BW 10 Il Spectrum / L l i tter Freq	z kHz R= 50 Ω 13.0150	pt SA A⊂ 000000 G PT IFC dB	#VBW	30 kHz*	:PULSE	s	ALIGN OFF RMS 7/100	Stop 3(68.3 ms (DC Cou 12:42:18 PM TRAC TYPE DE kr2 25.6	3.00 MHz 1001 pts) pled Her 07,2017 E h23 4 5 6 HMWWWW 10 AAAAA 10 GHz 19 dBm	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq
#Re MBG A GU R C C C 10 0 10 0 -10 0 -10 0 -20 0 -40 0 -50 0	t 150 kH s BW 10 Il Spectrum / L l i tter Freq	2 4 4 4 4 4 5 6 6 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7	pt SA A⊂ 000000 G PT IFC dB	#VBW	30 kHz*	:PULSE	s	ALIGN OFF RMS 7/100	Stop 3(68.3 ms (DC Cou 12:42:18 PM TRAC TYPE DE kr2 25.6	3.00 MHz 1001 pts) pled Her 07,2017 E 1123 4 5 6 F 1123 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz 2.597000000 GHz 2.597000000 GHz
#Re маа Арцена Сеп 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -60.0	t 150 kH s BW 10 Il Spectrum / L l i tter Freq	kHz sandtyzer Swee Swei (50 p 13.0150 of Offset 9.1 1 1 1 1 1 1 1 1 1 1 1 1 1	pt SA A⊂ 000000 G PT IFC dB	#VBW	30 kHz*	:PULSE	s	ALIGN OFF RMS 7/100	Stop 3(68.3 ms (▲ DC Court 12:42:13 PA WYYY Kr2 25.6 -31.8 -31.8	3.00 MHz 1001 pts) pled Her 07,2017 E 1123 4 5 6 F 1123 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.59700000 GHz Auto Freq Offset