RF 5	Swept SA 50 ຊ 🔥 DC 🔰 C	ORREC	SENSE:1	NT	ALIGNAUTO	02:38:09 PM Se	0 17, 2018	
		PNO: Fast G FGain:Low		Avg	Type: Log-Pwr	TRACE TYPE	23456 WWWWWWWW NNNNN	Frequency
dB/div Ref 20.0	00 dBm				Mk	(r2 1.990 7 -58.56	dBm	Auto Tuno
00							-13.31 dBm	Center Fre 15.004500 MH
0.0 0.0 0.0 1.0 1.0								Start Fre 9.000 kH
	r/Newsynapolycadaerstwatydreth	aalaihiddiodhynanoid	Vaylaand and sign grafile jar	anton on the other states	lan an a	adit addi, thing a factor fill at the	Long (M) Longo ()	Stop Fre 30.000000 M⊦
art 9 kHz Res BW 100 kHz		#VB\	N 300 kHz		Sweep 5.	Stop 30.0 333 ms (400	01 pts)	CF Ste 2.999100 M⊦
R MODE TRC SCL		4.9 kHz 0 7 MHz	Y -52.01 dBm -58.56 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION V	ALUE	<u>luto</u> Ma
	1.55		-56.56 4811					Freq Offs 0 F
6 7								

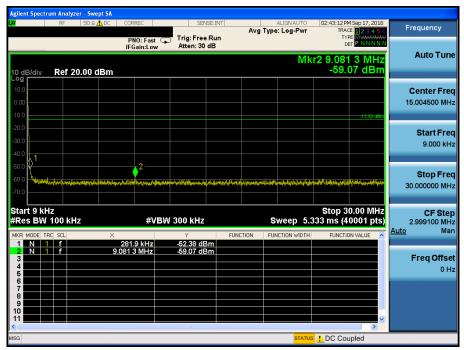
Agilent Spectrum Analyzer - Swe					
LXI RF 50 Ω	AC CORREC PNO: Fast	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	02:39:18 PM Sep 17, 2018 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Frequency
	IFGain:Low	Atten: 30 dB			Auto Tune
10 dB/div Ref 20.00 d	iBm		Mkr	4 3.184 26 GHz -42.69 dBm	Auto Tulle
Log 10.0 0.00	♦ 1			-13:31 dBm	Center Freq 5.015000000 GHz
-20.0 -30.0 -40.0					Start Freq 30.000000 MHz
-50.0 -60.0 -70.0					Stop Freq 10.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 18	Stop 10.000 GHz .67 ms (40001 pts)	CF Step 997.000000 MHz
MKR MODE TRC SCL	× 2.410 84 GHz	Y FUN 10.11 dBm	CTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man
2 N 1 f 3 N 1 f 4 N 1 f 5	5.528 70 GHz 6.247 79 GHz 3.184 26 GHz	-41.27 dBm -41.66 dBm -42.69 dBm			Freq Offset 0 Hz
6 7 8 9					
10 11 <				*	
MSG			STATUS		

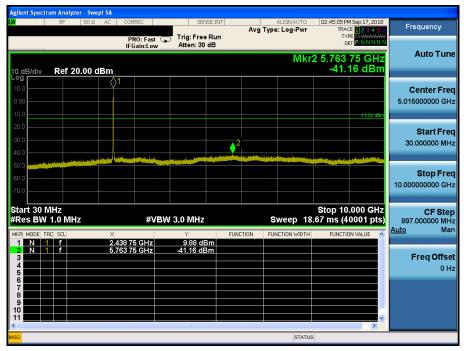


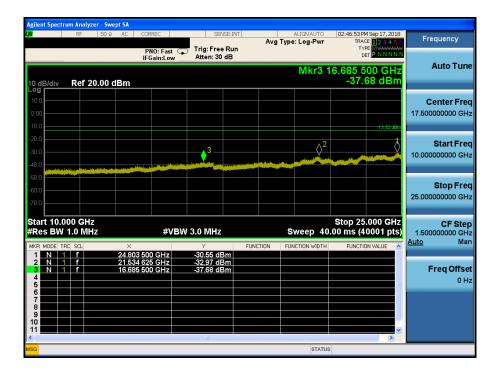
TM 1 & ANT 1 & 2437

Reference



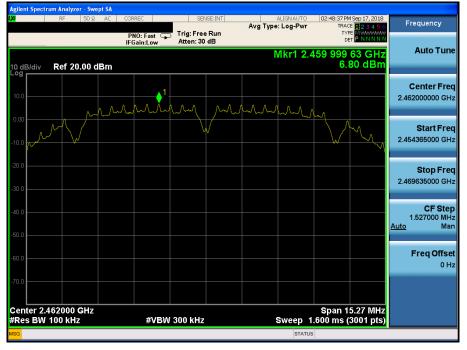






TM 1 & ANT 1 & 2462

Reference



High Band-edge



Agilent Spectrum Ana							
LXI RF	50 Ω 🛕 DC 🔋 CORREC	SENSE:I		ALIGNAUTO		Sep 17, 2018	Frequency
	PNO: Fast	Trig: Free Ru Atten: 30 dB	n	•	TYP	E MWAAAAAAAA T P N N N N N	
	IFGain:Lov	Atten: 50 dB		R.A.L.			Auto Tune
				IVIKE	2 26.306	6 101HZ	
10 dB/div Ref	20.00 dBm					o abiii	
10.0							Center Freq
0.00							15.004500 MHz
-10.0						-13.20 dBm	
-20.0							Start Freq
-30.0							9.000 kHz
-40.0							5.000 KH2
-50.0 👰 '					2		
-60.0	share ingh a bad be transit bit of any bit for a start in	that an market share and	an an ann an an an an an an Albert an	and the same test total		s and a shell of sound it	Stop Freq
-70.0		an fan de ferste ferste ferste ferste ferste sense				a frant an	30.000000 MHz
Start 9 kHz			•		Stop 30	0.00 MHz	CF Step
#Res BW 100 H		BW 300 kHz			333 ms (4)		30.000000 MHz Auto Man
MKR MODE TRC SCL	× 281.9 kHz	√ -52.25 dBm	FUNCTION FUN	ICTION WIDTH	FUNCTIO	N VALUE	
2 N 1 f	26.306 6 MHz	-58.89 dBm					E 05
3							Freq Offset 0 Hz
5						=	0 H2
7							
8							
10							
11		ш				>	
MSG				STATUS	LDC Cou	pled	

Agilent Spectrum Analyzer - Sv					
ιχι RF 50 Ω	2 AC CORREC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	03:08:56 PM Sep 17, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast IFGain:Low	Trig: Free Run Atten: 30 dB		TYPE MWAAAAAAAA DET P N N N N N	
	IFGain:Low	Aden. oo dB	Mkr	4 9.741 03 GHz	Auto Tune
10 dB/div Ref 20.00	dBm		IVIKI	-42.60 dBm	
Log 10.0	≬1				Center Freq
0.00					5.015000000 GHz
-10.0				-13.20 dBm	
-20.0					04 - 4 E
-30.0					Start Freq 30.000000 MHz
-40.0	◊ ³		\$ ²	↓	30.000000 MHZ
-50.0	and the second second second				
-60.0					Stop Freq
-70.0					10.00000000 GHz
Start 30 MHz				Stop 10.000 GHz	
#Res BW 1.0 MHz	#V	3W 3.0 MHz	Sweep 18	.67 ms (40001 pts)	CF Step 30.000000 MHz
MKR MODE TRC SCL	×	Y FU	JNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto <u>Man</u>
1 N 1 f 2 N 1 f	2.459 69 GHz	10.26 dBm -41.64 dBm			
3 N 1 f	6.506 76 GHz 3.163 82 GHz	-42.15 dBm			Freq Offset
4 N 1 f	9.741 03 GHz	-42.60 dBm			0 Hz
6					
8					
10					
11				~	
MSG			STATUS	3	





TM 1 & ANT 1 & 2472



Reference

High Band-edge



	t Spec	ctrun		lyzer - Sw														_	
L <mark>XI</mark>			RF	50 Ω	2 🧥 DC	COR	REC		SEN	ISE:INT		Ava T		LIGNAUTO Log-Pwr		2 PM Sep 17, 2 RACE 1 2 3 4			Frequency
							IO: Fast iain:Low		Trig: Free Atten: 20			Ū		Ū		DET P N N	www.		
		_	_			IFG	am:Low		Accent. 20				_	ML	-2 0 5	00 4 M			Auto Tune
10 dE	Miu		Dof	10.00	dBm									IVIN	-68	3.26 dE	3m		
Log	5/019		Nei	10.00															
0.00																			Center Freq
-10.0																			15.004500 MHz
-20.0	_															-28.68	dBm		
-30.0			+					-								-20.00			Start Freq
-40.0																			9.000 kHz
-50.0	1																		
-60.0	Y—						<mark></mark> 2—												Stop Freq
-70.0	-	and the second	i e i pi i	and the state	(d), (i) (i) (i)	il na hand be	Participant and	in the	in deleter a line opiel de part		-	in Angerta	i ya dan	kuning perdensionagen	and the party of the spectrum	a, han que to to suble	nya kata		30.000000 MHz
-80.0																			00.000000 Mil 12
Star	t a i	kH7													Ston	30.00 N	IH7		OF Otom
#Re:				kHz			#V	BW	300 kHz				Sv	veep 5.					CF Step 30.000000 MHz
MKR N	MODE	TRC	SCL		×		1		Y		FUNCT	'ION	FUNC	TION WIDTH	FUN	TION VALUE	^	Aut	to <u>Man</u>
1	N N	1	f f				9 kHz I MHz		-62.34 dE										
3					2	2.500 4			-00.20 ut	5111									Freq Offset
4																			0 Hz
67																			
8																			
9 10																			
11									111								>		
MSG		_	-		_		_		-40		_		-	STATU			-		
			_	_	_	_	_			_	_	_					_		

Agilent Spectrum Analyzer - Swept					
LXI RF 50Ω a	AC CORREC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	03:13:55 PM Sep 17, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast 😱 IFGain:Low	Trig: Free Run Atten: 20 dB		DET P NNNN	
			Mkr	4 9.665 26 GHz	Auto Tune
10 dB/div Ref 10.00 dB	im			-52.64 dBm	
	1				Center Freq
-10.0					5.015000000 GHz
-20.0					
-30.0				-28.68 dBm	Start Freq
-40.0	∧3		,	A	30.000000 MHz
-50.0			In the Addition of a later balance of the second second		
-60.0					Oton From
-70.0					Stop Freq 10.00000000 GHz
-80.0					10.000000000000000
Start 30 MHz				Stop 10.000 GHz	CF Step
#Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 18	.67 ms (40001 pts)	30.000000 MHz
MKR MODE TRC SCL	×		ICTION FUNCTION WIDTH	FUNCTION VALUE	Auto <u>Man</u>
1 N 1 f 2 N 1 f	2.470 16 GHz 5.706 92 GHz	-4.67 dBm -51.51 dBm			
3 N 1 f 4 N 1 f	3.158 59 GHz 9.665 26 GHz	-52.08 dBm -52.64 dBm			Freq Offset 0 Hz
5					0 H2
7					
9					
10				~	
<			1	>	
MSG			STATUS	3	



TM 2 & ANT 1 & 2412

Reference



Low Band-edge



	t Spec	trum		lyzer - Sw														
LXI			RF	50 Ω	🛕 DC	COR	REC		SEI	VSE:INT	Г <u> </u>	Ava T		LIGNAUTO		M Sep 17, 2018 CE 1 2 3 4 5 6		Frequency
							IO: Fast Sain:Low	Ģ	Trig: Free Atten: 30			Ū		Ū	TY	PE MWAAAAAAA ET P N N N N N		
	_	_	_			IFG	ain:Low	_	Atten: 30				_	Miler	05 76	0 MHz		Auto Tune
10 di	⊃≀diu		Dof	20.00	dBm									IVINI.		30 dBm		
Log			Nei	20.00														
10.0	-																	Center Freq
0.00	_																	15.004500 MHz
-10.0					+											-12.80 dBm		
-20.0																		Start Freq
-30.0																		9.000 kHz
-40.0	1																	
-50.0	<u> </u>														<mark>2</mark> −			Oton Eron
-60.0	1	4.5 44	i ya	n Arian welling		مادامية	nun an	de la competition		in the second second		e manin mar	tingle.	ante diterro de la constante	all and a second second se	and last flore days		Stop Freq 30.000000 MHz
-70.0																		30.000000 WH2
Star	+ 0 1	/47													Stop 3	0.00 MHz		
#Re				кHz			#VI	зw	300 kHz				S	veep 5.3	333 ms (4	0001 pts)		CF Step 30.000000 MHz
MKR	MODE	TRC	SCL		×				Y		FUNCT	TION		CTION WIDTH I	· ·	DN VALUE	A	Auto <u>Man</u>
1	Ν	1	f			313.	4 kHz		-52.79 dl									
2 3	N	1	Ľ		25	5.769 L) MHz		-58.30 di	зm								Freq Offset
4																		0 Hz
6																		
7																		
9 10																		
11																~		
K MSG		_	_			_				_			_	STATIS	DC Co	> voled	-	
		_									_			STATUS	- DC C0	upieu		

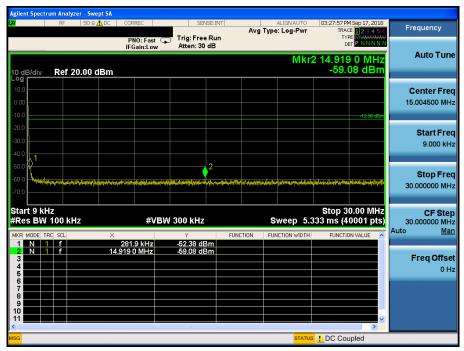
Agilent Spectrum Analyzer - Swept SA	
IX RF 50 Ω AC CORREC SENSE:INT ALIGNAUTO 03:23:38PM Sep 17, 2 Avg Type: Log-Pwr TRACE	Frequency
PNO: Fast Trig: Free Run Type Museu IEGain:Low Atten: 30 dB DET P.N.N.	
Mkr4 3.169 30 G	Auto Tune
10 dB/div Ref 20.00 dBm -42.94 dB	
	Center Freq
	5.015000000 GHz
-10.0	
-20.0	
-30.0	Start Freq 30.000000 MHz
	30.00000 MHz
-60.0	Stop Freq
-70.0	10.00000000 GHz
Start 30 MHz Stop 10.000 G	
#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 18.67 ms (40001 p	HZ CF Step ts) 30.000000 MHz
MKR MODE TRC SCL X Y FUNCTION WIDTH FUNCTION VALUE	Auto <u>Man</u>
1 N 1 f 2,413 33 GHz 13,54 dBm 2 N 1 f 5,815 09 GHz 40,93 dBm	
3 N 1 f 3.520 50 GHz -42.71 dBm	Freq Offset
4 N 1 f 3.169 30 GHz 42.94 dBm	0 Hz
MSG STATUS	

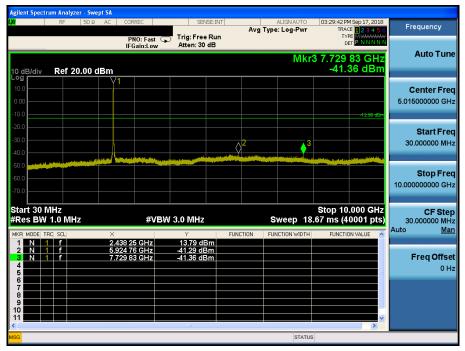


TM 2 & ANT 1 & 2437

Reference









TM 2 & ANT 1 & 2462

Reference



High Band-edge

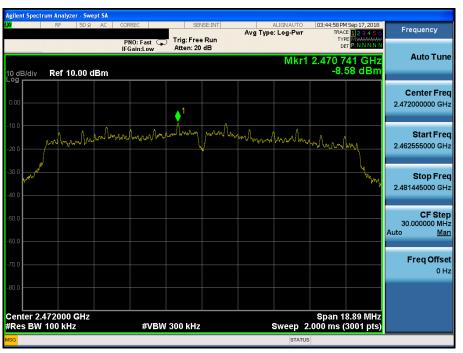


	t Spec	trum		lyzer - Swe											
L) XI			RF	50 Ω	🛕 DC 📔 C	ORREC		SENS	EINT	Ava Tvo	ALIGNAUTO		M Sep 17, 2018 CE 1 2 3 4 5 6		Frequency
						PNO: Fast		ig: Free F ten: 30 d				TY	PE NWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		
		_				FGain:Lov	/ At	ten: 30 d	0						Auto Tune
											MKI	r2 20.13	0 0 MHz 23 dBm		
10 dE Log j	3/div		Ref	20.00 (dBm							-55.	23 UBIII		
10.0	_														Center Freq
0.00															15.004500 MHz
-10.0													-12.64 dBm		
-20.0															Ctort Eron
-30.0															Start Freq 9.000 kHz
-40.0															9.000 KH2
-50.0	≬ ¹										,				
-60.0	L.				de and an been	and the state of the						the first section of the section of			Stop Freq
-70.0	- Charles	a diana			autori Mandan a	and the second second		an a	Hard and the second	ala de la contra de Contra de la contra d		****			30.000000 MHz
Star				-1.1-		-425	B 144 0.00	S 1-11-				Stop 3	0.00 MHz		CF Step
#Res				(HZ		#V	BW 300	U KHZ			· ·	.333 ms (4		A	30.000000 MHz uto Man
MKR N	N	TRC	SCL		×	1.4 kHz		Ƴ 2.94 dBr		CTION FL	INCTION WIDTH	I FUNCTI	ON VALUE		
	N	1	f					9.23 dBn							F=== 0 (f==+)
3															Freq Offset 0 Hz
5													=		0 H2
7															
8															
10 11													~		
<													>		
MSG											STATL	JS <u>1</u> DC Co	upled		

Agilent Spectrum Analyzer - Swept	SA				
<mark>(X)</mark> RF 50 Ω a	AC CORREC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	03:40:33 PM Sep 17, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast 🖵 IFGain:Low	Trig: Free Run Atten: 30 dB	Avg Type. Log- wi	TYPE MWWWWW DET P N N N N N	
10 dB/div Ref 20.00 dB			Mkr	2 7.098 48 GHz -40.53 dBm	Auto Tune
10.0 0.00 -10.0	V1			-12.64 dBm	Center Freq 5.015000000 GHz
-20.0			2		Start Freq 30.000000 MHz
-50.0 -60.0 -70.0					Stop Freq 10.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 18	Stop 10.000 GHz .67 ms (40001 pts)	CF Step 30.000000 MHz Auto <u>Man</u>
1 N 1 f 2 N 1 f 3 4 5 5	2.461 18 GHz 7.098 48 GHz	13.92 dBm -40.53 dBm			Freq Offset 0 Hz
6 7 8 9 10					
K MSG			STATUS	>	

ent Spectrum Analyzer - Swept SA 21PM Sep 17, 2 TRACE 1234 TYPE MWWW DET PNNN Frequency Avg Type: Log-Pwr PNO: Fast Trig: Free Run IFGain:Low Atten: 30 dB Auto Tune Mkr3 16.707 625 GH: -37.21 dBn Ref 20.00 dBm B/div 10 d Log **Center Freq** 17.50000000 GHz **Start Freq** 10.00000000 GHz **3 Stop Freq** 25.00000000 GHz Start 10.000 GHz #Res BW 1.0 MHz Stop 25.000 GHz Sweep 40.00 ms (40001 pts) **CF Step** 30.000000 MHz o <u>Man</u> #VBW 3.0 MHz Auto -29.98 dBm -32.75 dBm -37.21 dBm N 1 f N 1 f N 1 f 24.794 125 GHz 21.499 000 GHz 16.707 625 GHz Freq Offset 0 Hz STATUS

TM 2 & ANT 1 & 2472



Reference

High Band-edge



	t Spec	trum		lyzer - Swe												
L <mark>XI</mark>			RF	50 Ω	🛕 DC 📗	CORRE	C	SEN	SE:INT	Ava		LIGNAUTO		4 Sep 17, 2018 E 1 2 3 4 5 6		Frequency
						PNO:	:Fast 🖵	Trig: Free			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		TY	PE MWWWWWW ET P N N N N N		
						IFGai	n:Low	Atten: 20	dB							Auto Tune
												Mkr		3 MHz		Auto Tune
10 dE Log j	3/div		Ref	10.00 (dBm						_		-69.0	08 dBm		
0.00																Center Freq
-10.0																15.004500 MHz
-20.0																
-30.0														-28.58 dBm		
-40.0																Start Freq
																9.000 kHz
-50.0	1															
-60.0	7								²							Stop Freq
-70.0	1	(Vinity	1	and the state	ed in the second	é neu politik	ANA ANA ANA	an tribul the shirts	and and any stations	iden din den		ter for suspect the	A dedated where the	winner way to		30.000000 MHz
-80.0																
Star	f 0 k	(117											Stop 3	0.00 MHz		05.04.4
#Re:			00 I	kHz			#VBW	/ 300 kHz			SI	weep 5.3	333 ms (4			CF Step 30.000000 MHz
MKR N		TBC	SCL		×			Y	EI	INCTION	FLIN	CTION WIDTH	FUNCTIO	IN VALUE	Au	ito <u>Man</u>
1	N	1	f			281.9	kHz	-64.00 dE								
2	N	1	f		15.	586 3 N	1Hz	-69.08 dE	im		-					Freq Offset
4																0 Hz
5														=		
7																
9																
10			_								-			~		
<								000								
MSG												STATUS	LDC Cou	upled		

Agilent Spectrum Analyzer - Swept S					
<mark>ιχι</mark> RF 50.Ω AC	C CORREC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	03:48:22 PM Sep 17, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast 🖵 IFGain:Low	Trig: Free Run Atten: 20 dB		TYPE MWWWWWW DET P N N N N N	
	II Gam.Low		Mkr	3 3.119 20 GHz	Auto Tune
10 dB/div Ref 10.00 dBn	n			-51.52 dBm	
	∆ 1				Center Freq
-10.0	ľ				5.015000000 GHz
-20.0					0.01000000000112
-30.0				-28.58 dBm	
-40.0					Start Freq 30.000000 MHz
-50.0	→ ³				30.000000 MHZ
-60.0	f tealler and the frankling and			And the second s	
-70.0					Stop Freq
-80.0					10.00000000 GHz
Start 30 MHz				Oton 10 000 CH	
#Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 18	Stop 10.000 GHz .67 ms (40001 pts)	CF Step 30.000000 MHz
MKR MODE TRC SCL	×	Y FUN	CTION FUNCTION WIDTH	FUNCTION VALUE	Auto <u>Man</u>
1 N 1 f 2 N 1 f	2.471 15 GHz 5.778 45 GHz	-2.22 dBm -51.27 dBm			
3 N 1 f	3.119 20 GHz	-51.52 dBm			Freq Offset
5				=	0 Hz
6					
8					
10					
11 <				>	
MSG			STATUS		



TM 3 & ANT 1 & 2412

Reference



Low Band-edge



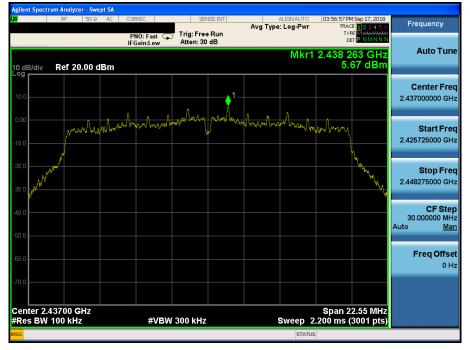
	t Spe	ctrun		ılyzer - Sv														
LXI			RF	50 \$	R 🛕 DC	COF	REC		SEN	ISE:INT		Ava 1		LIGNAUTO		M Sep 17, 2018 CE 1 2 3 4 5 6		Frequency
							NO: Fast Gain:Low	φ	Trig: Free Atten: 30					Ū	TY	PE MWAAAAAAA ET P N N N N N		
	_	_	_			110	ain:Low	_	Atten: 30	uD			_	ML	-0.2.60	7 9 MHz		Auto Tune
10 di	27460		Dof	20.00	dBn									IVIN		78 dBm		
Log		<u> </u>	Rei	20.00	UDII													
10.0	-																	Center Freq
0.00	_																	15.004500 MHz
-10.0																-13.78 dBm		
-20.0																		Start Freq
-30.0	-																	9.000 kHz
-40.0	1																	
-50.0	₽÷			<mark>∧</mark> 2—														Oton Eron
-60.0	Write	i ning	herelle	ANTHAN MAL	-	edition in the second	a all sharing star	1	where the large		WHAN	and the second		na in pianta da anta anta anta anta anta anta an	William Marthager			Stop Freq 30.000000 MHz
-70.0	—																	30.000000 WH2
Star	101	447													Stop 3	0.00 MHz		05.04.0
#Re				kHz			#VI	вw	300 kHz				SI	weep 5.3	333 ms (4	0001 pts)		CF Step 30.000000 MHz
MKR	MODE	TRC	SCL			×			Y		FUNCT	TION	FUN	CTION WIDTH	FUNCTI	DN VALUE	A	uto <u>Man</u>
1	N	1	f				.9 kHz		-52.61 d									
3	N	1				3.697	9 WHZ		-58.78 dE	Sm								Freq Offset
4																		0 Hz
6																		
8																		
9 10	_																	
11																~		
MSG		_	_										_	STATUS	DC Co		-	
		_	_							_	_	_	_			ap.00		

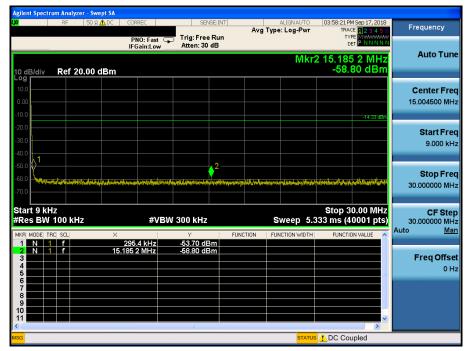
Agilent Spectrum Analyzer - Swe					
ιXI RF 50 Ω	AC CORREC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	03:55:08 PM Sep 17, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast ⊂ IFGain:Low	Trig: Free Run Atten: 30 dB		TYPE MWWWWWW DET P N N N N N	
	IF Galil. EUW	Theen of up	Mkr	3 9.646 81 GHz	Auto Tune
10 dB/div Ref 20.00 c	IBm		IVIKI	-41.78 dBm	
Log 10.0	Q1				Conton Error
0.00					Center Freq 5.015000000 GHz
-10.0					3.013000000 GH2
-20.0				-13.78 dBm	
-30.0					Start Freq
-40.0				3	30.000000 MHz
-50.0	and internet descent				
-60.0					Stop Freq
-70.0					10.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBI	N 3.0 MHz	Sweep 18	Stop 10.000 GHz .67 ms (40001 pts)	CF Step 30.000000 MHz
MKR MODE TRC SCL	×		CTION FUNCTION WIDTH	FUNCTION VALUE	Auto <u>Man</u>
1 N 1 f 2 N 1 f	2.411 09 GHz 5.636 38 GHz	12.37 dBm -41.67 dBm			
3 N 1 F	9.646 81 GHz	-41.78 dBm			Freq Offset
5				=	0 Hz
6 7					
8					
10					
<				>	
MSG			STATUS	6	

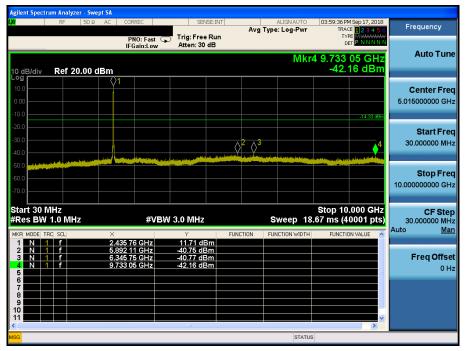


TM 3 & ANT 1 & 2437

Reference







Agilent Spectr		alyzer - Swe	≥pt SA										
LXI	RF	50 Ω	AC	CORRE	ic	SEI	VSE:INT	Av		ALIGNAUTO : Log-Pwr		4 Sep 17, 2018 E 1 2 3 4 5 6	Frequency
					:Fast ⊂ in:Low	Trig: Fre Atten: 30					TYI Di	PE MWWWWW T P N N N N N	
	_			IFGal	II.LOW	The control of	40			Mkr4 1	9 0/19 9	75 GHz	Auto Tune
10 dB/div	Ref	20.00	dBm							101101-4-1		93 dBm	
Log 10.0													Question France
													Center Freq 17.50000000 GHz
-10.0												-14.33 dBm	
-20.0												-14:35 dbli	Otent From
-30.0								4				Q	Start Freq 10.00000000 GHz
-40.0		وبل السلافية بريان و		and the second second				and the set			and the second second		
-50.0													Otor Error
-60.0													Stop Freq 25.00000000 GHz
-70.0													20.0000000000000
Start 10.0	00 G	Hz									Stop 25	.000 GHz	CF Step
#Res BW	1.0 P	/Hz			#VB۱	V 3.0 MHz			S	weep 40	.00 ms (4	0001 pts)	30.000000 MHz
MKR MODE TH			×			Y		FUNCTION	FUN	ICTION WIDTH	FUNCTIO	IN VALUE	Auto <u>Man</u>
2 N 1	f f		21.50	15 125 0 03 500 0	GHz	-31.02 dl -33.41 dl	3m						
3 N 1 4 N 1	f f		22.90	08 250 (19 875 (GHz GHz	-33.63 dl -36.93 dl	3m 3m						Freq Offset 0 Hz
5													0112
7													
9													
10												~	
MSG						111			_	STATUS		>	
MSG										STATUS			

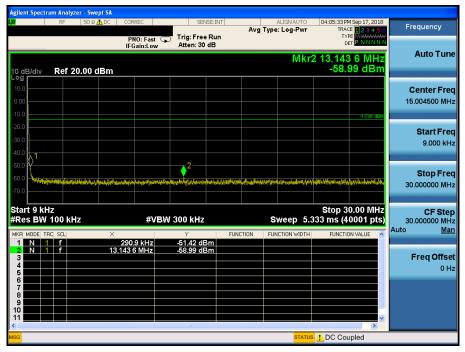
TM 3 & ANT 1 & 2462

Reference



High Band-edge



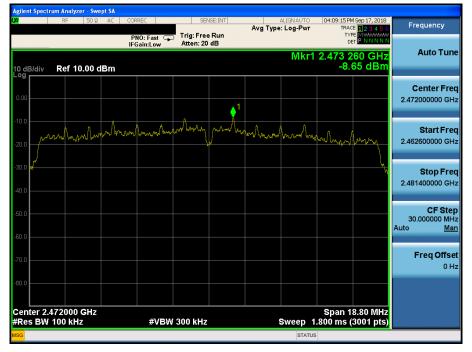


Agilent Spectrum Analyzer -	Swept SA				
1 X1 RF 50)Ω AC CORREC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	04:06:40 PM Sep 17, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast (IFGain:Low	Trig: Free Run Atten: 30 dB		DET P N N N N	
	II Guilleow		Mkr	4 3.178 03 GHz	Auto Tune
10 dB/div Ref 20.0	0 dBm			-42.91 dBm	
Log 10.0	Q1				Center Freq
0.00					5.015000000 GHz
-10.0				-13.91 dBm	
-20.0					Start Freq
-30.0			A2 A3		30.000000 MHz
-40.0		والمعديدة والمراجع	Y Q	ultra at a strautition	
-50.0 characteristics					Stop Freq
-60.0					10.000000000 GHz
-70.0					
Start 30 MHz				Stop 10.000 GHz	CF Step
#Res BW 1.0 MHz	#VB	W 3.0 MHz	Sweep 18	.67 ms (40001 pts)	30.000000 MHz
MKR MODE TRC SCL	× 2.461 18 GHz	Y F	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto <u>Man</u>
2 N 1 f	5.867 19 GHz	-40.76 dBm			Freq Offset
3 N 1 f 4 N 1 f	6.980 34 GHz 3.178 03 GHz	-41.79 dBm -42.91 dBm			0 Hz
5 6				=======================================	
8					
9					
11				~	
MSG			STATUS		



TM 3 & ANT 1 & 2472

Reference



High Band-edge



	it Spec	trum		lyzer - Sw														
L XI			RF	50 S	2 🧥 DC	COR	REC		SEI	VSE:INT	-	Ava		LIGNAUTO		M Sep 17, 2018 CE <mark>1 2 3 4 5 6</mark>		Frequency
						PI	10: Fast	Ģ	Trig: Free Atten: 20						TY	PE MWAAAAAAA ET P N N N N N		
						IFC	Gain:Lov	·	Atten: 20	ab								Auto Tune
			_											MK		2 4 MHz 01 dBm		
10 di Log	B/div		Ref	10.00	dBm										-09.			
0.00																		Center Freq
-10.0																		15.004500 MHz
-20.0																		
-30.0			_													-28.65 dBm		
-40.0																		Start Freq
-50.0																		9.000 kHz
-60.0	6 ¹			2													H	
-70.0	Ň.			•														Stop Freq
-80.0				and a state of the second	i velit, ili d	afaal,ing	(provident)	in the second	arrent hilf an die alef.	water the	r <i>ation</i> th	e haliy liigen	a de la constante de la constan La constante de la constante de	hindran daga hi	and the subscription of the second	aninin antique de la contra de la		30.000000 MHz
-00.0																		
Star																0.00 MHz		CF Step
#Re	s BV	N 1	00	кHz			#V	BW	300 kHz				S	weep 5.3	333 ms (4	0001 pts)		30.000000 MHz
	MODE	TRC			>				Y		FUNC	TION	FUN	CTION WIDTH	FUNCTI	DN VALUE	^	uto <u>Man</u>
1	N	1	f f			281 4.652	9 kHz 4 MHz		-62.64 di -69.01 di	3m 3m								
3																		Freq Offset
5																		0 Hz
6																		
8																		
9 10																		
11																~		
MSG	_		_	_		_	_				_		_	STATUS	DC Co		-	
_		_	_		_		_			_			_		<u>.</u>	aproa		

Agilent Spectrum Analyzer - Swe	pt SA				
LXI RF 50 Ω	AC CORREC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	04:12:35 PM Sep 17, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast G IFGain:Low	Atten: 20 dB		TYPE MWWWWWW DET P N N N N N	A
10 dB/div Ref 10.00 c	lBm		Mkr	3 9.115 66 GHz -53.00 dBm	Auto Tune
Log 0.00 -10.0 -20.0	↓1				Center Freq 5.015000000 GHz
-30.0				-28.65 dBm	Start Freq 30.000000 MHz
-60.0					Stop Freq 10.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VB\	V 3.0 MHz	Sweep 18	Stop 10.000 GHz 3.67 ms (40001 pts)	CF Step 30.000000 MHz
MKR MODE TRC SCL	× 2.471 40 GHz	Y FU -3.06 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE	Auto <u>Man</u>
2 N 1 F 3 N 1 F 4 5	5.797 65 GHz 9.115 66 GHz	-51.48 dBm -53.00 dBm			Freq Offset 0 Hz
6 7 8 9					
10 11 <				×	
MSG			STATUS	5	





TM 4 & ANT 1 & 2412

Reference



Low Band-edge



	t Spec	ctrun		ılyzer - Sv														
LXI			RF	50 9	R 🧘 DC	COF	RREC		SEM	ISE:INT		Avg '		LIGNAUTO	TRA	M Sep 17, 201 CE 12345	6	Frequency
							NO: Fast Gain:Lov		Trig: Free Atten: 30						T	PE MUMANAAA	W.	
		_				IF	Sain:Luv	·	Atten: 00	uD				Mice	2 45 46	8 6 MH		Auto Tune
10 dE	Ridio		Pef	20.00	dBm	•								IVINI		73 dBn		
Log				20.00														
10.0																		Center Freq
0.00																		15.004500 MHz
-10.0																-13.73 dB		
-20.0																		Start Freq
-30.0	-																	9.000 kHz
-40.0	1																	
-50.0	K—									<mark>_</mark> 2-								Stop Freq
-60.0	N440		Hereite	in an international state	e in the second	Handland	Antonio de la	an a	and in the second of the	will where	in the second	et a stand the	u Mi	and the second	and the second second second	-		30.000000 MHz
-70.0																		00.000000 11112
Star	101	kH7													Ston '	30.00 MH		CF Step
#Re				kHz			#V	BW 3	300 kHz				S	weep 5.3	333 ms (4	10001 pts)	30.000000 MHz
MKR I	MODE	TRC	SCL			×			Y		FUNC	TION	FUN	CTION WIDTH	FUNCT	ION VALUE		Auto <u>Man</u>
1	N N	1	f f				.4 kHz 6 MHz		-51.41 di -59.73 di									
3		_				15.400			-59.75 0	5111								Freq Offset
4																		0 Hz
67																		
8																		
9 10																_		
11																>	•	
MSG	_	_	_		_	_				_	_			STATUS				
	_	_	_		_		_	_		_	_	_	_			addres a	-	

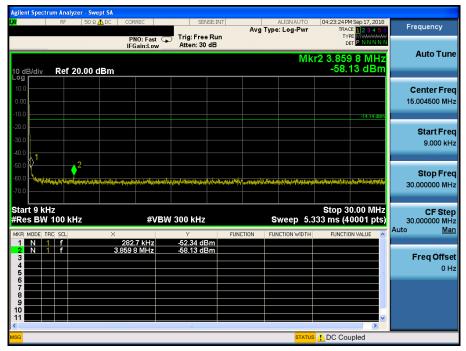
Agilent Spectrum Analyzer - Swe					
<mark>ιχί</mark> RF 50 Ω	AC CORREC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	04:19:30 PM Sep 17, 2018 TRACE 123456	Frequency
	PNO: Fast (IFGain:Low	Trig: Free Run Atten: 30 dB		DET P N N N N N	
	IFGain:Low_	Atten: 50 dB	Mike	3 3.163 82 GHz	Auto Tune
10 dB/div Ref 20.00 c			IVIKI	-42.10 dBm	
Log 10.0	Q1				Center Freq
0.00					5.015000000 GHz
-10.0				-13.73 dBm	
-20.0					
-30.0	A 3				Start Freq 30.000000 MHz
-40.0	♦ ³		\rangle^2		30.000000 WHZ
-50.0 Incomentational conference and	And the second states of the second				
-60.0					Stop Freq
-70.0					10.00000000 GHz
Start 30 MHz				Stop 10.000 GHz	
#Res BW 1.0 MHz	#VB	W 3.0 MHz	Sweep 18	3.67 ms (40001 pts)	CF Step 30.000000 MHz
MKR MODE TRC SCL	×	Y FU	JNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto <u>Man</u>
1 N 1 f 2 N 1 f	2.412 58 GHz 5.764 00 GHz	11.97 dBm -41.56 dBm			
3 N 1 f	3.163 82 GHz	-42.10 dBm			Freq Offset
5				=	0 Hz
6					
8					
10					
11 <				×	
MSG			STATU	S	

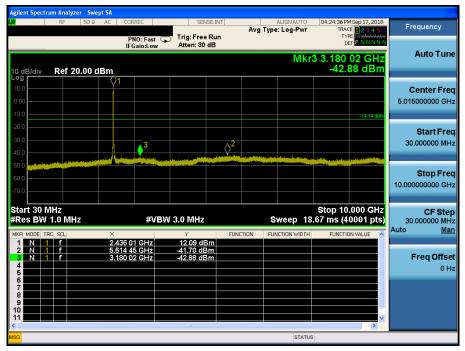


TM 4 & ANT 1 & 2437

Reference









TM 4 & ANT 1 & 2462

Reference



High Band-edge





ctrum Analyzer Swept S/ Frequency Avg Type: Log-Pwr PNO: Fast Trig: Free Run IFGain:Low Atten: 30 dB DET P Mkr2 8.774 6 MHz -58.42 dBm Auto Tune Ref 20.00 dBm 10 dB/div **Center Freq** 15.004500 MHz Start Freq 9.000 kHz Stop Freq 30.000000 MHz Start 9 kHz #Res BW 100 kHz Stop 30.00 MHz Sweep 5.333 ms (40001 pts) CF Step 30.000000 MHz #VBW 300 kHz Auto Man 290.9 kHz 8.774 6 MHz -53.86 dBm -58.42 dBm NN f 1 Freq Offset 0 Hz DC Coupled





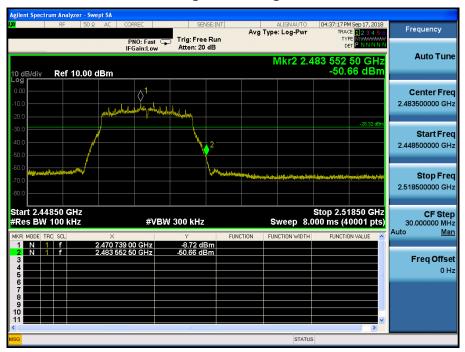


TM 4 & ANT 1 & 2472



Reference

High Band-edge



	Spectru		lyzer - Sw											
L <mark>XI</mark>		RF	50 Ω	🛕 DC 📔 CC	RREC	SEN	SE:INT	Ava		.ignauto Log-Pwr		M Sep 17, 2018 CE <mark>1 2 3 4 5 6</mark>		Frequency
					NO: Fast	Trig: Free Atten: 20					TY	PE MWWWWWW ET P N N N N N		
					Gain:Low	Atten: 20	ab							Auto Tune
10 dB/	dB/div Ref 10.00 dBm -67.83 dBm -67.83 dBm													
Log Г														
0.00														Center Freq
-10.0 -														15.004500 MHz
-20.0												-28.32 dBm		
-30.0														Start Freq
-40.0														9.000 kHz
-50.0	1													
-60.0			<mark>♦</mark> 2-											Stop Freq
-70.0		HANK MA		and the state of the	teriliti mendari d	tiyan manan ku ku ku ku	a Baritaka ya ya t	فبطريده وزاوله وباله	estile and a	il	allifationalitation	Playmode and propried and for		30.000000 MHz
-80.0 —														
Start	9 kH:	,									Stop 3	0.00 MHz		CF Step
#Res			кНz		#VB	W 300 kHz			Sw	eep 5.3	333 ms (4	0001 pts)		30.000000 MHz
MKR MC	DE TR	SCL		х		Y		UNCTION	FUNC	TION WIDTH	FUNCTIO	ON VALUE	Aut	o <u>Man</u>
1 N 2 N		f f			1.9 kHz 4 MHz	-63.64 dE -67.83 dE								
3	*			4.031	4 10112	-07.00 UL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							Freq Offset
4 5														0 Hz
6														
8														
9 10	+-													
11												~		
MSG		_								STATUS	DC Cou			
	_		_				_		_		<u>.</u>	-p. 50	_	

Agilent Spectrum Analyzer - Sv												
LXI RF 50 9	Ω AC CORREC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	04:38:57 PM Sep 17, 2018 TRACE 1 2 3 4 5 6	Frequency							
	PNO: Fast IFGain:Low	Trig: Free Run Atten: 20 dB		DET P N N N N N								
	IFGain:Low	Atten: 20 dB	Miles		Auto Tune							
10 dB/div Ref 10.00												
-10.0	Y				Center Freq 5.015000000 GHz							
-10.0					5.015000000 GHz							
-30.0				-28.32 dBm								
					Start Freq							
-40.0		\diamond^2		<mark>_</mark> 3	30.000000 MHz							
-50.0	and a state of the second second second											
-70.0					Stop Freq							
-80.0					10.00000000 GHz							
-00.0												
Start 30 MHz			•	Stop 10.000 GHz	CF Step							
#Res BW 1.0 MHz	#VE	3W 3.0 MHz		.67 ms (40001 pts)	30.000000 MHz Auto Man							
MKR MODE TRC SCL	× 2.470 66 GHz	-2.32 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto <u>mur</u>							
2 N 1 f	5.421 78 GHz 9.709 37 GHz	-50.64 dBm			Freq Offset							
4	9.709 37 GHZ	-52.60 dBm			0 Hz							
5					0112							
7												
9												
10				~								
<		Ш		>								
MSG			STATUS	6								



TM 5 & ANT 1 & 2412

Reference



Low Band-edge



	it Spec	ctrun		ılyzer - S														
L XI			RF	50	Ω 🧘 D	c co	RREC		SEI	VSE:INT		Ava 1		LIGNAUTO		M Sep 17, 2018 CE 1 2 3 4 5		Frequency
						l	PNO: Fast Gain:Lov	t 🖵	Trig: Free Atten: 30			Ū			Th		₩.	
		_					Gain:Lov	w	Atten: 30					NAL			F	Auto Tune
10 41	Mkr2 6.128 7 MHz طB/div Ref 20.00 dBm -58.81 dBm																	
Log			Re	20.00	UDI													
10.0																		Center Freq
0.00	_																	15.004500 MHz
-10.0																-13.75 dBr		
-20.0	_																	Start Freq
-30.0	┣—																	9.000 kHz
-40.0	1												_					
-50.0	∲ –				2								_					
-60.0	1	line a	لطنوا	a Physics and		in al fairle in a	l. H. ability	losses free	Lon Had Martha	Jedniko	Loth and	hatteline		area in the second second	an a			Stop Freq 30.000000 MHz
-70.0																		30.000000 MHz
Star	+ 0 1	k Li -													Stop 2	0.00 MH:		
#Re				kHz			#\	/BW	300 kHz				S	weep 5.	333 ms (4			CF Step 30.000000 MHz
MKR	MODE	TRC	SCL			X			Y		FUNC	TION		CTION WIDTH		ON VALUE		Auto <u>Man</u>
1	N	1	f				2.4 kHz		-53.01 d	3m								
2	N	1	f			6.128	7 MHz		-58.81 di	∃m								Freq Offset
4																		0 Hz
6																		
7																		
9 10																		
11																	2	
MSG	_	_	_		_				lini	_				CT ATU	DC Co	volad		
Dom								_						STATU		upieu		

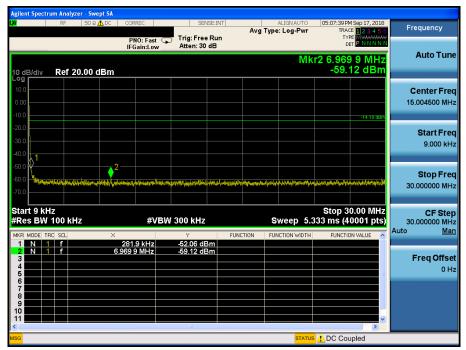
Agilent Spectrum Analyzer - S					
LXI RF 50)Ω AC CORREC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	05:02:58 PM Sep 17, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast	Trig: Free Run Atten: 30 dB		TYPE MWWWWWWW DET P N N N N N	
	IFGain:Low	Atten: 30 dB			Auto Tune
10 dB/div Ref 20.0	0 dBm		IVIKI	4 9.735 05 GHz -42.43 dBm	
Log					
10.0					Center Freq
0.00					5.015000000 GHz
-10.0				-13.75 dBm	
-20.0					Start Freq
-30.0			\wedge^2 \wedge^3	4	30.000000 MHz
-40.0		تنصبا ورافشور ووروران			
-50.0 advertisered benefit advertisered				and the second sec	Oton From
-60.0					Stop Freq 10.00000000 GHz
-70.0					10.000000000 GH2
Start 30 MHz				Stop 10.000 GHz	
#Res BW 1.0 MHz	#VE	3W 3.0 MHz	Sweep 18	3.67 ms (40001 pts)	CF Step 30.000000 MHz
MKR MODE TRC SCL	×	Y	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto <u>Man</u>
1 N 1 f	2.412 83 GHz	11.93 dBm			
2 N 1 f 3 N 1 f	5.807 62 GHz 7.135 37 GHz	-41.53 dBm -41.61 dBm			Freq Offset
4 N 1 f	9.735 05 GHz	-42.43 dBm			0 Hz
6					
8					
9					
11				×	
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MSG			STATU	S	

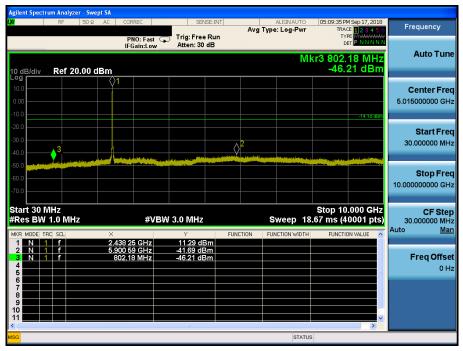


TM 5 & ANT 1 & 2437

Reference







Agilent Spectrum Analyze	r - Swept SA							
LXI RF	50Ω AC	CORREC	SENSE:IN		ALIGNAUTO	05:10:43 PM Sep 17,		Frequency
		PNO: Fast G	Trig: Free Run Atten: 30 dB		Type: Log-Pwr	TRACE 123 TYPE MWW DET PNN	AMAMA	
10 dB/div Ref 20	0.00 dBm				Mkr4 1	6.849 750 G -37.39 di		Auto Tune
10.0 0.00 -10.0						-14,1		Center Freq 17.50000000 GHz
-20.0	المراجع		4		3 	2 2		Start Freq 10.000000000 GHz
-50.0 -60.0 -70.0								Stop Freq 25.00000000 GHz
Start 10.000 GHz #Res BW 1.0 MHz	2	#VB\	N 3.0 MHz		Sweep 40	Stop 25.000 G .00 ms (40001	ots)	CF Step 30.000000 MHz
MKR MODE TRC SCL	× 24.76	4 500 GHz	ץ -29.61 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE		Auto <u>Mar</u>
2 N 1 f 3 N 1 f 4 N 1 f	21.40	1 750 GHz 2 250 GHz 9 750 GHz	-31.34 dBm -33.77 dBm -37.39 dBm					Freq Offset 0 Hz
6 7 8 9 10								
			ш				>	
MSG					STATUS			

TM 5 & ANT 1 & 2462

Reference



High Band-edge



	t Spe	ctrun		lyzer - S															
L <mark>XI</mark>			RF	50	Ω 🧘 D	C CC	RREC		SEI	VSE:INT	-	Ava		LIGNAUTO		4 PM Sep 17, 2 RACE <mark>1 2 3</mark> 4			Frequency
							PNO: Fast Gain:Lov	t 🖵	Trig: Fre Atten: 30					Ū		DET P N N N	www.		
		_					Gain:Luv	w	Atten: 00					ML	-2.0.6	10 C M			Auto Tune
	Mkr2 9.649 6 MHz dB/div Ref 20.00 dBm -58.89 dBm																		
Log 10.0																			Center Freq
0.00																			15.004500 MHz
-10.0																-13.96	dBm		
-20.0																			Start Freq
-30.0																			9.000 kHz
-40.0	1																		
-50.0	∲ -						<mark>- 2</mark> -												Stop Freq
-60.0	-	MAN	Here and the second	egel (Madel) A	an an fai		in the second		un de la compañía de	ik, and	illing the	na hana ana ana ana ana ana ana ana ana		, where the states of the stat		uple side the	h Hilly		30.000000 MHz
-70.0																			
Star															Stop	30.00 M	Hz		CF Step
#Re	s Bl	N 1	00	kHz			#\	/BW	300 kHz				S	weep 5.	333 ms	(40001 p	its)	Au	30.000000 MHz
MKR I	MODE N	TRC	SCL			X	3.7 kHz		Y -53.95 di	-1	FUNC	TION	FUN	CTION WIDTH	FUN	TION VALUE	^	Au	to <u>Man</u>
	N	1	f				6 MHz		-53.95 di -58.89 di										
3																			Freq Offset 0 Hz
5																	=		0112
7																			
9 10																			
11																	~		
MSG	_	_	_		_			_			_			STATU	S LDC C		2		
				_	_	_	_	_		_	_	_	_		<u> </u>	- spice			

Agilent Spectrum											
L)XI	RF 50 Ω	AC CO	RREC	SENSE:INT			ALIGNAUTO		4 Sep 17, 2018 E <mark>1 2 3 4 5 6</mark>	Frequency	
		P	NO: Fast	Trig: Free Atten: 30			<i>,,</i>	TY	E MWWWWWW P N N N N N		
		IF	Gain:Low_	Atten: 50	10		BALes			Auto Tune	
10 dB/div	Mkr4 9.220 35 GHz dB/div Ref 20.00 dBm -43.20 dBm										
	er 20.00 u										
10.0										Center Freq	
0.00										5.015000000 GHz	
-10.0									-13.96 dBm		
-20.0										Start Freq	
-30.0						×2				30.000000 MHz	
-40.0		- Andrea	- ₽"			+	and the second		*		
-50.0					and the second states	the particular second					
-60.0										Stop Freq	
-70.0										10.00000000 GHz	
Start 30 MH: #Res BW 1.0			#\/R	W 3.0 MHz			Sweep 18	Stop 10	.000 GHz	CF Step 30.000000 MHz	
			<i></i> e D			ICTION		· ·		Auto Man	
MKR MODE TRC 9	f	× 2.461 1	8 GHz	۲ 12.52 dB		NCTION	FUNCTION WIDTH	FUNCTI	ON VALUE		
2 N 1 3 N 1	f f	6.343 (3.180 (00 GHz	-41.91 dB -42.76 dB						Freq Offset	
4 N 1	f	9.220 3	35 GHz	-43.20 dB						0 Hz	
5									=		
7											
9											
10									~		
<											
MSG							STATUS				