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Spect Swep	rum Anal t SA	yzer 1	•	+					Frequency	· · · 🛣
KEY RL	SIGHT -≁-	Input: I Couplii Align: I	ng: AC	Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log Avg Hold: 10/1 Trig: Free Run		Center Frequency 1.515000000 GHz Span	Settings
1 Spe Scale	ctrum /Div 10 c	B	T		Ref LvI Offset 1 Ref Level 25.00		Mk	r1 2.413 5 GHz 3.27 dBm	2.97000000 GHz	
Log 15.0								1	Zero Span	
-5.00 -15.0								DL1 -23.20 dBm	Full Span Start Freq	
-25.0 -35.0 -45.0									30.000000 MHz Stop Freq	
-55.0 -65.0	ndar finnedirigi		Haran and American	ngagen an de la ser d			ng wadan wa watan saitan s	hannaldara la constante	3.000000000 GHz	
#Res	0.030 GH BW 100 ker Table		v		#Video BW 300	) kHz	Swee	Stop 3.000 GHz p ~286 ms (1001 pts)		
5 Mar	Mode	Trace	Scale	x	Y	Function	Function Width	Function Value	Auto Man	
1 2 3	N	1	f	2.413 5 GHz	3.269 dBm				Freq Offset 0 Hz	
4 5 6									X Axis Scale Log Lin	
H	ょ	2		Dec 21, 2024 4:31:08 PM	$\mathbb{D}$				Signal Track (Span Zoom)	

Spec Swep	rum Anal t SA	yzer 1	- <b>-</b> -	F						₽	Frequency	一般
KEY RL	′SIGHT -≁-	Input: F Couplir Align: A	ng: AC	Input Z: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Lov Sig Track: C		/10	123456 MWWWWW PNNNNN	Center Fr 13.5000 Span	requency 00000 GHz	Settings
Scal	ectrum e/Div 10 c	iB	T		Ref LvI Offset 1.0 Ref Level 25.00 c		Mk		3 50 GHz 6.38 dBm	23.0000 Swe	pt Span	
Log 15.0 5.00	- <b>•</b> 1 —										Span II Span	
-5.00 -15.0 -25.0									DL1 -23.20 dBm	Start Free 2.00000	1 0000 GHz	
-35.0 -45.0 -55.0				and have real and a second second			har and for an interest of the second	ر	and the second s	Stop Fred 25.0000	1 00000 GHz	
	2.00 GH				#Video BW 300	kHz			op 25.00 GHz		O TUNE	
	BW 100 ker Table	kHz	v				Sv	/eep ~2.2	2 s (4001 pts)	and the second se	0000 GHz	
	Mode	Trace	Scale	X 2.413 50 GHz	Y 6.383 dBm	Function	Function Width	Func	tion Value	Auto Man		
2		1		2.413 50 GHZ	0.363 dBm					Freq Offs 0 Hz	et	
4 5 6										X Axis So Log Lin	ale	
	ょ	3	2	Dec 21, 2024 4:31:38 PM	$\supset \bigtriangleup$					Signal Tra (Span Zoo	ack m)	

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Figure 56: Conducted Spurious Emission & Authorized-band band-edge, 802.11b, 2437MHz Carrier Level



Spectrum Swept SA		zer 1	•	+					\$	Frequency	· · · 🛞
KEYSIC RL ·	GHT ·≁·	Input: Rf Coupling Align: Of	i: AC	Input Z: 50 Ω Corrections: Off Freq Ref: Interna	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Of		ower 123456 MWWWWW PNNNNN	1.51500	Frequency 00000 GHz	Settings
1 Spectrur	m	-	•		Ref LvI Offset 1	.00 dB	Mkr1	2.435 0 GHz	Span 2.97000	0000 GHz	
Scale/Div Log	/ 10 d	В			Ref Level 25.00	dBm		2.94 dBm		ept Span o Span	
15.0 5.00 -5.00							1			ull Span	
-15.0								DL1 -23.98 dBm	Start Fre 30.0000	eq 000 MHz	
-35.0				ىرىنىيەر بىرىنىيە بىرىنىيە بىرىنىيەر بىرىنىيەر بىرىنىيە بىرىنىيە بىرىنىيە بىرىنىيە بىرىنىيە بىرىنىيە بىرىنىيە ب بىرىنىيە بىرىنىيە بىرى		House Herelandor		- Marine Constant	Stop Fre 3.00000	eq 00000 GHz	
-65.0			"Narikopsky)	Solder Conception and a conception of				0.000.011		TO TUNE	
Start 0.03 #Res BW					#Video BW 30	UKHZ	Sweep -	Stop 3.000 GHz ~286 ms (1001 pts)	CF Step	And the second second second	
5 Marker 1	lable		v						297.000 Aut	0000 MHz	
100 C	ode N	Trace	Scale f	X 2.435 0 GH	Y 2.945 dBm	Function	Function Width	Function Value	Mar	n	
2 3				2.100 0 011	2.010 0.011				Freq Off 0 Hz	set	
4 5 6									X Axis S Log Lin	3	
-	2	2		2 Dec 21, 2024 4:43:34 PM	$\odot \triangle$				Signal Ti (Span Zo		

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Figure 57: Conducted Spurious Emission & Authorized-band band-edge, 802.11b, 2462MHz Carrier Level

Spectrum Analy Swept SA	/zer 1	F					₽	Frequency	- 7 😤
KEYSIGHT RL +>+	Input: RF Coupling: AC Align: Off	Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-P Avg Hold: 100/10 Trig: Free Run		Center Fre 2.462000 Span		Settings
1 Spectrum Scale/Div 10 d	T		Ref LvI Offset 1.0 Ref Level 25.00 d		Mkr1	2.463 50 GHz 6.20 dBm	30.00000		
				_ <u>_</u> 1			Swep Zero	it Span Span	
5.00		m	unn	many	m		Full	Span	
-15.0 -25.0					- North	۸	Start Freq 2.447000	000 GHz	
-35.0 -45.0						Jum	Stop Freq 2.477000	000 GHz	
-55.0								D TUNE	
Center 2.46200 #Res BW 100 I			#Video BW 300	kHz	Swee	Span 30.00 MHz p 2.88 ms (601 pts)	CF Step		
5 Marker Table							3.000000 Auto	MHz	
Mode	Trace Scale	X	Y	Function F	unction Width	Function Value	Man		
1 N 2 3		2.463 50 GHz	6.195 dBm				Freq Offse 0 Hz	t	
4 5 6							X Axis Sca Log Lin	ale	
15	C <sup>2</sup> ■ ?	Dec 21, 2024 4:52:33 PM					Signal Tra		

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#### **Band Edge**



Spect Swept	rum Anal <u>y</u> t SA	yzer 1	•	ł					Freque	ncy 🔻 👯
KEY RL	SIGHT	Input: F Couplin Align: C	ng: AC	Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Pe Avg Hold: 10/10 Trig: Free Run	ower 123456 MWWWWW PNNNNN	Center Frequency 1.515000000 GHz	Settings
1 Spe			•		Ref LvI Offset 1.0		Mkr1	2.463 5 GHz	Span 2.97000000 GHz	
Log	/Div 10 c	B			Ref Level 25.00 c	1Bm		5.67 dBm	Swept Span Zero Span	
15.0 5.00									Full Span	
-15.0 -25.0								DL1 -23.80 dBm	Start Freq 30.000000 MHz	
-35.0 -45.0 -55.0	******	u,	mental ma	al 3 may rough of a strand rough the		- ب- عيدالله معالمه المعالمة	maranamanan	Lock sources Management and the	Stop Freq 3.000000000 GHz	
-65.0 Start	0.030 GH	7			#Video BW 300	kHz		Stop 3.000 GHz	AUTO TUNE	
#Res	BW 100						Sweep ·	~286 ms (1001 pts)	CF Step 297.000000 MHz	
5 Mari	ker Table Mode	Trace	Scale	x	Y	Function	Function Width	Function Value	Auto Man	
1 2 3	N	1	f	2.463 5 GHz	5.670 dBm				Freq Offset 0 Hz	
4 5 6									X Axis Scale Log Lin	
	5	2	7?	Dec 21, 2024 4:52:53 PM					Signal Track (Span Zoom)	

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Figure 58: Conducted Spurious Emission & Authorized-band band-edge, 802.11g, 2412MHz Carrier Level

Spectrum Anal Swept SA	yzer 1	+					Frequenc	y <b>、</b>
KEYSIGHT RL ++-	Input: RF Coupling: AC Align: Off	Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Powe Avg Hold: 100/100 Trig: Free Run	er 123456 M <del>WWWW</del> PNNNNN	Center Frequency 2.412000000 GHz	Settings
1 Spectrum	•		Ref LvI Offset 1.0		Mkr1 2.	409 75 GHz	Span 30.0000000 MHz	
Scale/Div 10 c Log 15.0	1B		Ref Level 25.00 d	IBm		0.46 dBm	Swept Span Zero Span	
5.00		m	1		myrny		Full Span	
-15.0		/	¥				Start Freq 2.397000000 GHz	
-35.0 -45.0 -55.0	man				سرر سرر	hm	Stop Freq 2.427000000 GHz	
-65.0 Center 2.4120	0 GHz		#Video BW 300	kHz		Span 30.00 MHz	AUTO TUNE	
#Res BW 100 5 Marker Table	kHz v				Sweep 2	.88 ms (601 pts)	CF Step 3.000000 MHz	
Mode	Trace Scal		Y	Function F	unction Width Fu	unction Value	Auto Man	
1 N 2 3	1 f	2.409 75 GHz	0.4594 dBm				Freq Offset 0 Hz	
4 5 6							X Axis Scale Log Lin	1
1	<b>C</b>	Pec 23, 2024 11:28:54 AM	$\square \triangle$				Signal Track (Span Zoom)	

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#### **Band Edge**



Spectr Swept	rum Anal SA	yzer 1	•	+							\$	Frequency	· · · 🛞
KEY RL	SIGHT •••	Input: F Couplin Align: C	ig: AC	Input Z: 50 Ω Corrections: Off Freq Ref: Interna	#Atten: 36 dB Preamp: Off I	PNO: Fas Gate: Off IF Gain: I Sig Track	_ow	Avg Type: Lo Avg Hold: 10 Trig: Free Ru	/10	1 2 3 4 5 6 M WW WW W P N N N N N	1.51	er Frequency 5000000 GHz	Settings
1 Spec	ctrum /Div 10 c	18	•		Ref LvI Offset 1 Ref Level 25.00			М		409 8 GHz 0.03 dBm		000000 GHz	
Log 15.0												Swept Span Zero Span	
5.00 -5.00												Full Span	
-15.0 -25.0										DL1-29.54 dBm	Start 30.00	Freq 00000 MHz	
-35.0							م <sup>ر</sup> مر <del>ال</del> دراسمول	melmonoreland	horman	and the second secon	Stop I	Freq 0000000 GHz	
-55.0 -65.0	y nel le nen tepter	rened and all and	Mana Ing	and the second									
	0.030 GH BW 100				#Video BW 30	0 kHz		Swe		top 3.000 GHz ms (1001 pts)	CF St	and the second of the second second	
5 Mark	ker Table										Contraction of	000000 MHz Auto	
1 2 3	Mode N	Trace 1	Scale f		Y z -0.02739 dBm	Function	Fur	nction Width	Func	tion Value	Freq 0 0 Hz	/lan Offset	
4 5 6												s Scale .og .in	
H	ょ	3		Pec 23, 2024 11:29:46 AM	$\odot$							l Track Zoom)	

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# Figure 59: Conducted Spurious Emission & Authorized-band band-edge, 802.11g, 2437MHz Carrier Level

Spectrum A Swept SA	Analyze	er 1	+									Frequency	- 7 🛞
KEYSIG RL ↔	- C	put: RF oupling: AC ign: Off		: 50 Ω tions: Off ef: Internal	#Atten: 36 dB Preamp: Off	PNO: F Gate: ( IF Gair Sig Tra	Off	Avg Type: Lo Avg Hold: 10 Trig: Free Ri	00/100	123456 MWWWWW PNNNNN		er Frequency 7000000 GHz	Settings
1 Spectrum		•		F	Ref LvI Offset 1	l.00 dB		Mk		1 15 GHz		000000 MHz	
Scale/Div	10 dB			F	Ref Level 25.00	dBm			-	0.12 dBm		Swept Span Zero Span	
15.0 5.00					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		1	mpm				Full Span	
-15.0			Į.		V				h.		Start 2.422	Freq 2000000 GHz	
-45.0 -55.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- an and a far							- week	m	Stop 1 2.452	Freq 2000000 GHz	
-65.0	3700 G	H7			#Video BW 30	0 647			Sn	an 30.00 MHz	4		
#Res BW 1	00 kH							Si		ms (601 pts)	CF St	ep 0000 MHz	
5 Marker Ta Moo		• ace Scal	e )	<	Y	Functi	on Fi	unction Width	Func	tion Value	-	Auto Man	
1 N 2 3		1 f	2.44	1 15 GHz	-0.1167 dBm						Freq 0 Hz	Offset	
4 5 6											1	s Scale _og _in	
1	) (			3, 2024 5:56 AM	$\supset \bigtriangleup$						Signa (Span	l Track Zoom)	

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Spec Swep	trum Anal ot SA	yzer 1	•	+					Frequency	- ※
KEY RL	/SIGH1 ·►·	Input: I Couplii Align: (	ng: AC	Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-F Avg Hold: 10/10 Trig: Free Run		Center Frequency 1.515000000 GHz Span	Settings
	ectrum		T		Ref LvI Offset 1.		Mkr	1 2.441 2 GHz	2.97000000 GHz	
Scal Log 15.0	e/Div 10 (	B			Ref Level 25.00	dBm		-0.67 dBm	Swept Span Zero Span	
5.00 -5.00							<b>?</b> `	1	Full Span	
-15.0 -25.0 -35.0								DL1 -30.12 dBm	Start Freq 30.000000 MHz	
-45.0 -55.0	والملك	المركز ومراجد	manna	ميدي برسار وفاقوه وسوره مردا مرام ور	gada landjatur wilanami dalam wi	เรื่องประเทศ (1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	and the second	mangura materia and and and and and and and and and an	Stop Freq 3.00000000 GHz	
-65.0 Starf	0.030 GI	łz			#Video BW 300	kHz		Stop 3.000 GHz	AUTO TUNE	
#Res	BW 100						Sweep	~286 ms (1001 pts)	CF Step 297.000000 MHz	
5 Ma	rker Table Mode	Trace	▼ Scale	x	Y	Function	Function Width	Function Value	Auto Man	
	N	1	f	2.441 2 GHz	-0.6669 dBm				Freq Offset	
3	<u> </u>								0 Hz	
ŧ									X Axis Scale Log Lin	
E	ち	3	2	Dec 23, 2024 11:46:32 AM					Signal Track (Span Zoom)	

Swep		·		F						₽	Frequency	- * 影
KE) RL	′SIGH1 -≁-	Dinput: F Couplii Align: (	ng: AC	Input Z: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: O		10 n	1 2 3 4 5 6 M WW WW W P N N N N N	Center Fre 13.50000 Span	equency 0000 GHz	Settings
	ectrum e/Div 10 (	dB	V		Ref LvI Offset 1. Ref Level 25.00 (		Mkr		15 GHz .11 dBm	23.00000	00 GHz t Span	
Log 15.0	1_									Zero	Span	
-5.00 -15.0										Start Freq	6	
-25.0 -35.0 -45.0								and the strenge	0L1 -30.12 dBm	2.000000 Stop Freq		
-55.0 -65.0		*, et al al al al		unergente in a give some open etter etter							0000 GHz	
#Res	2.00 GH BW 100		•		#Video BW 300	kHz	Sw		p 25.00 GHz s (4001 pts)	CF Step 2.300000	000 GHz	
5 Ma	Mode	Trace	Scale	x	Y	Function	Function Width	Functio	on Value	Auto Man		
1 2 3		1	f	2.441 15 GHz	-0.1075 dBm					Freq Offse 0 Hz	t	
4 5 6										X Axis Sca Log Lin	ale	
	5	で	- ?	Dec 23, 2024 11:47:09 AM	$\square$		.:			Signal Tra (Span Zoon	ck n)	

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Figure 60: Conducted Spurious Emission & Authorized-band band-edge, 802.11g, 2462MHz Carrier Level



#### Band Edge

Spectr Swept	um Anal SA	yzer 1	,	+							\$	Frequency	- * 課
KEY RL	SIGHT	Input: F Couplir Align: A	ig: AC	Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Best Gate: Off IF Gain: Lo Sig Track:	w	Avg Type: Log Avg Hold:>10 Trig: Free Ru	0/100	1 2 3 4 5 6 M\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2.4835	Frequency 00000 GHz	Settings
	ctrum /Div 10 c	B	v		Ref LvI Offset 1.0 Ref Level 25.00 d			Mkr1		3 500 GHz 7.71 dBm		0000 MHz ept Span	
Log 15.0											Zer	o Span ull Span	
-5.00 -15.0 -25.0											Start Fre 2.4785	eq 00000 GHz	
-35.0 -45.0 -55.0	ليغياب ومغربهم	m			1		~~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Stop Fre 2.4885	eq 00000 GHz	
	r 2.4835 BW 100				#Video BW 300	kHz				an 10.00 MHz ) ms (601 pts)	AU CF Step	TO TUNE	
_	ker Table	КПZ	v					5₩	eep 1.00		1.0000	00 MHz	
1 2 3 4 5 6	Mode N	Trace 1	Scale	X 2.483 500 GHz	Y -47.71 dBm	Function	Fu	nction Width	Func	tion Value	Aut Ma Freq Off 0 Hz X Axis S Log Lin	n iset icale	
	ょ	3		Pec 23, 2024 11:58:43 AM	$\square \triangle$						Signal T (Span Zo	rack om)	

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Spec Swep	trum Anal It SA	yzer 1	•	+					Freq	uency 🔻 🔛
KEY RL	′SIGH1 -≁-	Input: F Couplii Align: A	ng: AC	Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Po Avg Hold: 10/10 Trig: Free Run	wer 123456 M WWWWW P N N N N N	Center Frequenc 1.515000000 GH Span	Setungs
	ectrum e/Div 10 (	- D	•		Ref LvI Offset 1. Ref Level 25.00		Mkr1	2.466 2 GHz -0.53 dBm	2.97000000 GH	
Log 15.0					Ker Level 25.00				Swept Span Zero Span	
5.00									Full Span	
-15.0 -25.0 -35.0								DL1 -29.98 dBm	Start Freq 30.000000 MHz	
-45.0	(u <sub>ss</sub> towyer)w	nal_psider	-england gran	composition and with any lotter by	والمرب المحاصور والمار والمراجع والم	warden warden and a start and a start and a start a sta	new construction of the	un and an and a second	Stop Freq 3.000000000 Gł	Hz
-65.0 Start	0.030 GI	łz			#Video BW 300	) kHz		Stop 3.000 GHz	AUTO TUNE	=
	BW 100 ker Table	kHz	v				Sweep ~	286 ms (1001 pts)	CF Step 297.000000 MH	z
JIMA	Mode	Trace	Scale	x	Y	Function	Function Width	Function Value	Auto Man	
<b>1</b> 2	N	1	f	2.466 2 GHz	-0.5267 dBm				Freq Offset	-
3 4 5 6									0 Hz X Axis Scale Log Lin	
	ょ	3		Dec 23, 2024 11:58:03 AM	$\square$				Signal Track (Span Zoom)	

Swep				F								Frequency	- * 崇
KEY RL	′SIGHT -≁-	Input: F Couplii Align: /	ng: AC	Input Z: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Lo Sig Track:	w	Avg Type: Lo Avg Hold: 10 Trig: Free Ru	10	123456 M <del>WWWWW</del> PNNNNN		requency 000000 GHz	Settings
	ctrum		•		Ref LvI Offset 1.			Mki		6 15 GHz		0000 GHz	
Log	e/Div 10 d	dB			Ref Level 25.00	dBm			-	0.72 dBm		ept Span o Span	
15.0 5.00	• <u>1</u>										FI	uli Span	
-15.0 -25.0										OL1-29-98 dBm	Start Fre 2.00000	q 00000 GHz	
-35.0 -45.0 -55.0	-	(رو المراجع الم		1997-200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200	erezzen azariek arekerendea altak	موتيليون بنيار المرتبع معرف والمع	and the state of t	مى <sub>ي</sub> ىرىيى بىلىمىزىرىدۇ.	and the second second	الملتية لمتع معتد مترستك	Stop Fre 25.0000	9 000000 GHz	
-65.0 Start	2.00 GH	,			#Video BW 300	kH7			St	op 25.00 GHz	AU		
	BW 100							Sw		2 s (4001 pts)	CF Step	00000 GHz	
5 Mai	ker Table		V								2.30000 Aut		
	Mode N	Trace	Scale	X 2.466 15 GHz	Y -0.7165 dBm	Function	Fun	ction Width	Func	tion Value	Mar	1 I	
23				2.400 10 0112	-0.7 105 0.011						Freq Off 0 Hz	set	
5 6											X Axis S Log Lin		
-	ょ	3	- ?	Dec 23, 2024 11:58:35 AM							Signal Ti (Span Zo	rack om)	

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Figure 61: Conducted Spurious Emission & Authorized-band band-edge, 802.11n(HT20), 2412MHz Carrier Level



#### Band Edge

Swept			•	+								\$	Frequency	- * 影
KEY RL	SIGHT	Input: R Couplin Align: C	g: AC	Input Z: Correctio Freq Re		#Atten: 36 dB Preamp: Off	Gate: IF Gai	Best Wide Off in: Low ack: Off	Avg Type: Lo Avg Hold:>10 Trig: Free Ru	00/100	123456 M <del>WWWWW</del> PNNNNN	2.4000	Frequency 000000 GHz	Settings
1 Spe			v			Ref LvI Offset			Mkr		000 GHz	Span 10.000	00000 MHz	
Scale Log 15.0	/Div 10 c	iB				Ref Level 25.0	0 dBm			-4	7.20 dBm		vept Span ro Span	
5.00										~~~~		, I	-ull Span	
-15.0 -25.0									~~~~~			Start Fr 2.3950	req 000000 GHz	
-35.0 -45.0 -55.0	~~~~~	~~	~~~~	dan war	vnuv		1	for the second				Stop Fr 2.4050	req 000000 GHz	
-65.0 Cente	r 2.4000	00 GHz				#Video BW 30	00 kHz			Sp	an 10.00 MHz	AL	JTO TUNE	
#Res	BW 100 ker Table		•						Sv		ms (601 pts)	CF Ste 1.0000	p 100 MHz	
	Mode	Trace	Scale	x		Y	Funct	ion F	unction Width	Func	tion Value	Au Ma		
1 2 3	N	1	ſ	2.400	000 GHz	-47.20 dBn						Freq O 0 Hz	ffset	
4 5 6												X Axis : Lo Lir	g	
	ょ	3			5 PM	$\mathbb{D}$						Signal <sup>*</sup> (Span Z	Track oom)	

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Spec Swep	trum Anal t SA	yzer 1	•	ł						*	Frequency	- ※
KEY RL	′SIGHT -≁-	Input: I Couplii Align: (	ng: AC	Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Of		10 n	123456 M <del>WWWWW</del> PNNNNN	Center Fr 1.515000 Span	equency 0000 GHz	Settings
1 Spe	ctrum		v		Ref LvI Offset 1	.00 dB	Mk		16 3 GHz	2.97000	000 GHz	
Scale Log	e/Div 10 (	B			Ref Level 25.00	dBm		-1	.46 dBm		pt Span Span	
15.0 5.00								1			ll Span	
-15.0 -25.0									DL1 -30.22 dBm	Start Free 30.0000	and the second	
-35.0 -45.0 -55.0	and the marks		methylange age the	anners and regging and	mainstructure		- many some frances of	Helesenser	and an an and a state	Stop Fred 3.00000	l 0000 GHz	
-65.0 Start	0.030 GI	łz			#Video BW 300	) kHz		Sto	p 3.000 GHz	AUT	O TUNE	
	BW 100	kHz					Swee		s (1001 pts)	CF Step	000 MHz	
5 Mai	ker Table Mode	Trace	▼ Scale	x	Y	Function	Function Width	Functi	on Value	Auto Man		
<u>1</u>	N	1	f	2.416 3 GHz	-1.460 dBm					Freq Offs	et	
3										0 Hz		
4 5 6										X Axis So Log Lin	ale	
-	ょ	3	2	Dec 23, 2024 1:31:39 PM	$\square$					Signal Tra (Span Zoo	ack m)	

Swep			- <b>-</b> -								\$	Frequency	- * 崇
KEY RL	SIGHT	Input: F Couplir Align: (	ng: AC	Input Z: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Lo Sig Track: (	w 1	Avg Type: Lo Avg Hold: 10/ Trig: Free Ru	10	123456 MWWWWW PNNNNN	Center Fr 13.50000 Span	equency 00000 GHz	Settings
1 Spe			•		Ref LvI Offset 1.			Mki		6 30 GHz	23.0000	000 GHz	
Scale Log 15.0	/Div 10 c	1B			Ref Level 25.00	dBm				1.13 dBm		pt Span Span	
5.00	• <u>1</u>										Fu	ll Span	
-15.0 -25.0										DL1 -30.22 dBm	Start Free 2.00000	1 0000 GHz	
-35.0 -45.0 -55.0	-	*****	ينار كوارور ا <sup>ورو</sup> معادين	ميمه ومعود ومرومين مدول ومروم	والمراجع والمراجع والمراجع والمراجع	erste skalaterski state	~*****	والمرادية والمرادية والمرادية		an a	Stop Fred 25.0000	1 00000 GHz	
-65.0 Start	2.00 GH				#Video BW 300	) kHz			Ste	op 25.00 GHz	AUT	O TUNE	
	BW 100							Sw		s (4001 pts)	CF Step		
5 Mar	ker Table		V								Auto	0000 GHz	
	Mode N	Trace	Scale	X 2.416 30 GHz	Y -1.125 dBm	Function	Func	tion Width	Funct	ion Value	Man		
23											Freq Offs 0 Hz	et	
4 5 6											X Axis So Log Lin	ale	
	ょ	で	2	Dec 23, 2024 1:32:09 PM							Signal Tra (Span Zoo	ack m)	

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Figure 62: Conducted Spurious Emission & Authorized-band band-edge, 802.11n(HT20), 2437MHz Carrier Level



Spectrum / Swept SA	Analy.	zer 1	•	+							\$	Frequency	- 7 米
KEYSIG	iHT ►	Input: Ri Couplinț Align: Ai	g: AC	Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fas Gate: Off IF Gain: L Sig Track:	Avç ow Triç	g Type: Log g Hold: 10/ g: Free Ru	10	1 2 3 4 5 6 M WW WW W P N N N N N		er Frequency 5000000 GHz	Settings
1 Spectrum	ı		•		Ref LvI Offset 1	.00 dB		M		42 8 GHz		000000 GHz	
Scale/Div	10 di	3			Ref Level 25.00	dBm			-	1.66 dBm		Swept Span Zero Span	
15.0									<b>∳</b> 1			Full Span	
-5.00 -15.0 -25.0										DL1 -30.73 dBm	Start 30.0	Freq 00000 MHz	
-35.0 -45.0 -55.0	mm	and glasses of the	-		map of a state to a	ender for the second differences	age marked	manen	Lunn	-	Stop 3.00	Freq 0000000 GHz	
-65.0 Start 0.030	0 GH2	z			#Video BW 30	0 kHz				op 3.000 GHz			
#Res BW			-					Swee	ep ~286 r	ns (1001 pts)	CF S 297.	tep 000000 MHz	
5 Marker Ta	de	Trace	<ul> <li>Scale</li> </ul>		Y	Function	Functio	on Width	Func	tion Value		Auto Man	
1 N 2 3		1	f	2.442 8 GHz	-1.656 dBm						Freq 0 Hz	Offset	
4 5 6												s Scale ∟og ∟in	
4	) (	2		2 Dec 23, 2024 1:35:50 PM	$\mathbb{D}$						Signa (Span	Il Track Zoom)	

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Figure 63: Conducted Spurious Emission & Authorized-band band-edge, 802.11n(HT20), 2462MHz Carrier Level

Spectrum Ana Swept SA	alyzer 1	• +	·							\$	Frequency	- T 😤
KEYSIGH RL ↔	Coupling		Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fa Gate: Of IF Gain: Sig Tracl	f Low	Avg Type: Lo Avg Hold: 10 Trig: Free Ru	0/100	1 2 3 4 5 6 M WWWW P N N N N N		r Frequency 2000000 GHz	Settings
1 Spectrum	•			Ref Lvi Offset 1.			Mk		7 80 GHz		000000 MHz	
Scale/Div 10	dB		· · · · · · · · · · · · · · · · · · ·	Ref Level 25.00	dBm			-	0.58 dBm		wept Span ero Span	
5.00		~~~	www.	- hourson for	man	m	1				Full Span	
-15.0 -25.0		کم ک		• •				L'AN		Start 1 2.447	Freq 7000000 GHz	
-35.0 -45.0 -55.0	an prover							- North	m Marina Para	Stop 1 2.477	Freq 7000000 GHz	
-65.0 Center 2.462	00 CH2			#Video BW 300					an 30.00 MHz	4		
#Res BW 10				#1060 844 200	KIIZ		Sv		ms (601 pts)	CF St	Contraction and the second second	
5 Marker Table Mode		cale	x	Y	Functior	n Fur	nction Width	Funct	ion Value		0000 MHz Nuto Man	
1 N 2 3		f	2.467 80 GHz	-0.5779 dBm						Freq ( 0 Hz	Dffset	
4 5 6											s Scale .og .in	
5	3	2	Dec 23, 2024 1:38:38 PM							Signa (Span	- Track Zoom)	

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#### **Band Edge**



Spect Swept	rum Anal SA	yzer 1	•	+								\$	Frequency	- 7 🛞
KEY RL	SIGHT • <del>•</del> ••	Input: F Couplin Align: C	ig: AC	Input Z: 50 Corrections Freq Ref: Ir	: Off Pre	ten: 36 dB amp: Off	PNO: F Gate: ( IF Gair Sig Tra	Off n: Low	Avg Type: Lo Avg Hold: 10 Trig: Free Ri	/10	1 2 3 4 5 6 M WWWWW P N N N N N	1.518	er Frequency 5000000 GHz	Settings
1 Spe	ctrum		•		Ref L	vl Offset 1.	00 dB		М		67 8 GHz	Span 2.970	000000 GHz	
Log	/Div 10 d	iB			RefL	_evel 25.00	dBm			-	1.45 dBm		Swept Span Zero Span	
15.0 5.00										1			Full Span	
-15.0 -25.0											DL1 -30.58 dBm	Start 1 30.00	Freq 00000 MHz	
	المالين المريد	abga:word.cha	mehron	erentraturaturaturatura	*****	والهدار والمرد والمرد والمرد ومع	r-atop-b-vi	and the second super	alaka na ana ana ana ana ana ana ana ana a	hum	mangulations	Stop # 3.000	Freq 0000000 GHz	
-65.0 Start	0.030 GH	iz			#Vie	deo BW 300	kHz			St	op 3.000 GHz	A	AUTO TUNE	
	BW 100								Swe		ns (1001 pts)	CF St	Contraction and the second second	
5 Mari	ker Table		v									Len contra	000000 MHz	
	Mode	Trace	Scale			Y	Functi	on Fu	nction Width	Func	tion Value		/an	
1 2 3	N	1		2.467	B GHZ -	-1.450 dBm						Freq ( 0 Hz	Offset	
4 5 6													s Scale .og .in	
H	5	3		? Dec 23, 2 1:39:09								Signa	l Track Zoom)	

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Figure 64: Conducted Spurious Emission & Authorized-band band-edge, 802.11ax(HE20), 2412MHz Carrier Level

Spectrum A Swept SA	Analyzer	r1 💡	+					Frequer	icy 🔻 🔀
KEYSIG	C0	out: RF oupling: AC gn: Off	Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Po Avg Hold: 100/10 Trig: Free Run		Center Frequency 2.412000000 GHz	Settings
1 Spectrum	I	•		Ref LvI Offset 1.	00 dB	Mkr1	2.415 75 GHz	Span 30.0000000 MHz	
Scale/Div	10 dB			Ref Level 25.00 (	dBm		-0.17 dBm	Swept Span Zero Span	
15.0 5.00 -5.00		بسر		m provide the second	1	mann		Full Span	
-15.0 -25.0								Start Freq 2.397000000 GHz	1
-35.0 -45.0 -55.0	******	w					- marine and	Stop Freq 2.427000000 GHz	
-65.0	4000 0				141-		0 00 00 MU	AUTO TUNE	
Center 2.4 #Res BW 1				#Video BW 300	KHZ	Sweep	Span 30.00 MHz 2.88 ms (601 pts)	CF Step	1
5 Marker Ta	able	V						3.000000 MHz	
Mo	and the second	ace Scale		Y	Function 1	Function Width	Function Value	Man	
1 N 2 3		T	2.415 75 GHz	-0.1663 dBm				Freq Offset 0 Hz	
4 5 6								X Axis Scale Log Lin	
-	5 (		2 Dec 23, 2024 3:46:43 PM	$\square \triangle$				Signal Track (Span Zoom)	

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#### **Band Edge**



Spect Swept	rum Anal SA	yzer 1	•	+							\$	Frequency	- 7 🛞
KEY RL	SIGHT	Input: F Couplin Align: C	ig: AC	Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: Fa: Gate: Off IF Gain: I Sig Track	Low	Avg Type: Lo Avg Hold: 10 Trig: Free Ru	/10	123456 MWWWWW PNNNNN	1.51	er Frequency 5000000 GHz	Settings
1 Spe			•		Ref LvI Offset 1			Μ		15 8 GHz	Span 2.970	000000 GHz	
Scale Log 15.0	/Div 10 c	1B			Ref Level 25.00	dBm			-	1.20 dBm		Swept Span Zero Span	
5.00									1			Full Span	
-15.0 -25.0										DL1 -30.17 dBm	Start 30.00	Freq 00000 MHz	
-35.0 -45.0 -55.0	harland and a star	an harder	valuento	afrynn yn African arwyn a wrai y ffirm. Marywr		at mar and a second	to a second second	numer marked	historian	Magnadariah	Stop 1 3.000	Freq 0000000 GHz	
	0.030 GH BW 100				#Video BW 300	0 kHz				op 3.000 GHz ns (1001 pts)	CF St	AUTO TUNE	
	ker Table	KHZ	V					Swe	ep ~286 i	ns (1001 pts)	1000000000	ер 000000 MHz	
	Mode N	Trace 1	Scale	X 2.415 8 GHz	Y -1.197 dBm	Function	Fu	nction Width	Func	tion Value	Ň	Auto Man	
23											Freq 0 Hz	Unset	
4 5 6												s Scale ₋og ₋in	
	ょ	2		? Dec 23, 2024 3:48:05 PM	$\supset \bigtriangleup$							I Track Zoom)	

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Figure 65: Conducted Spurious Emission & Authorized-band band-edge, 802.11ax(HE20), 2437MHz Carrier Level

Spectrum A Swept SA	Analyze	er 1	•	E							\$	Frequency	- <b>1</b> 🛞
KEYSIG RL ↔	- C	put: RF oupling: . lign: Off	AC	Input Ζ: 50 Ω Corrections: Off Freq Ref: Internal	#Atten: 36 dB Preamp: Off	PNO: F Gate: C IF Gain Sig Tra	off Low	Avg Type: Log Avg Hold: 100 Trig: Free Ru	0/100	123456 MWWWWW PNNNNN	2.43	er Frequency 7000000 GHz	Settings
1 Spectrum		•		,	Ref LvI Offset 1.0	0 dB		Mkr		2 15 GHz	Span 30.00	000000 MHz	
Scale/Div	10 dB			F	Ref Level 25.00 d	Bm			_	0.71 dBm		Swept Span Zero Span	
15.0 5.00			m	m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~	1		~			Full Span	
-15.0 -25.0									1		Start 2.422	Freq 2000000 GHz	
-35.0 -45.0 -55.0	vn	S							- Ar	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Stop 1 2.452	Freq 2000000 GHz	
-65.0	2700 0	20-			#Video BW 300				Sn	an 30.00 MHz	4		
#Res BW 1					#VIGEO BVV 500	KIIZ		Sw		ms (601 pts)	CF St	Contraction and the second second	
5 Marker Ta	ble	۷									<b>December</b>	0000 MHz	
Мос	the second second second second	ace S	cale	X	Y	Functio	on Fur	nction Width	Funct	ion Value		Auto Man	
1 N 2 3		1	T	2.442 15 GHz	-0.7092 dBm						Freq 0 Hz	Offset	
4 5 6												s Scale .og .in	
1	) (	- I I	1?	Dec 23, 2024 3:51:16 PM							Signa (Span	l Track Zoom)	