

Condition	Mode	Frequency	Pulse Time	Total Dwell Time	Period Time	Limit	Verdict
		(MHz)	(ms)	(ms)	(ms)	(ms)	
NVNT	1-DH1	2402	0.39	124.8	31600	400	Pass
NVNT	1-DH1	2441	0.364	116.48	31600	400	Pass
NVNT	1-DH1	2480	0.3875	124	31600	400	Pass

## Dwell NVNT 1-DH1 2402MHz

Keysight Spectrum Analyzer - Swept SA R RF 50 Ω AC	SENSE:I	NT	ALIGN AUTO	02-03	5:07 PM Apr 26, 2020
Center Freq 2.402000000 GH	Z Tri PNO: Fast Tri	g Delay-1.000 ms g: Video ten: 20 dB			TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P NNNN
Ref Offset 11.32 dB 10 dB/div Ref 20.00 dBm				ΔMkı	r1 390.0 µs 1.07 dB
-10.0					
-30.0					TRIG LVL
-40.0 -50.0	<mark>l'alle it dan andar it andar andara dan andara a</mark>		in a star in the star of the star of the star in the	a na faran ar an	en a la frencia de la compañía de la
	والمحارية الملاقع إلى أوراقتهم والعالية	<mark>(<sup>1</sup>17))<sup>(11</sup>10), Lepelly</mark> e	ast glopping and grant	, den staten bereiten bereiten der Alter	والمأسار فالاستناء الأم
Center 2.402000000 GHz Res BW 1.0 MHz	#VBW 3.0	MHz		Sweep 5.000 m	Span 0 Hz s (10001 pts)
Center 2.402000000 GHz Res BW 1.0 MHz	Y		FUNCTION WIDTH	Sweep 5.000 m	is (10001 pts)
Center 2.402000000 GHz Res BW 1.0 MHz MKR MODELTRC SCL X 1 A2 1 t (A) 39/ 2 F 1 t 1.0			FUNCTION WIDTH	-	is (10001 pts)
Δ         1         2           Center 2.402000000 GHz         Res BW 1.0 MHz           MKR MODE TRC SCL         X           1         Δ2         1         t         (Δ)         394           2         F         1         t         1.0(3)         394           3         -         -         1.0(3)         -         1.0(3)	Υ 0.0 μs (Δ) 1.07 dB		FUNCTION WIDTH	-	is (10001 pts)
Center 2.402000000 GHz           Res BW 1.0 MHz           MKR MODEL TRCI SCL           1         A2           2         F           1         t           1.0	Υ 0.0 μs (Δ) 1.07 dB		FUNCTION WIDTH	-	s (10001 pts
Center 2.402000000 GHz Res BW 1.0 MHz MKR MODE TRC SCL X 1 Δ2 1 t (Δ) 39( 2 F 1 t 1.00 3 4 5 5 6 6 7 7 4	Υ 0.0 μs (Δ) 1.07 dB		FUNCTION WIDTH	-	is (10001 pts)
Center 2.402000000 GHz Res BW 1.0 MHz MXR MODE TRC SCI X 1 A2 1 t (A) 39( 2 F 1 t 1.0 (A) 3 4 5 5 6 6 7 8 9 9	Υ 0.0 μs (Δ) 1.07 dB		FUNCTION WIDTH	-	is (10001 pts)
Center 2.402000000 GHz Res BW 1.0 MHz MKR MODE TRC SCL X 1 Δ2 1 t (Δ) 39( 2 F 1 t 1.0( 3 4 5 6 6 7 8 9	Υ 0.0 μs (Δ) 1.07 dB		FUNCTION WIDTH	-	s (10001 pts

## Dwell NVNT 1-DH1 2441MHz

Keysight Spectrum Analyzer - Swept SA						
R RF 50 Ω AC Center Freq 2.441000000 GHz	SENSE:I	nt Delay-1.000 ms	ALIGN AUTO Avg Type:	: Log-Pwr		PM Apr 26, 202
		g: Video ten: 20 dB		_	T	
Ref Offset 11.37 dB					ΔMkr1	364.0 µ
10 dB/div Ref 20.00 dBm						-0.70 di
10.0						
0.00	142					
-10.0						
-20.0						
-30.0						TRIG LV
-40.0						
F0 0						
-50.0	hand helion built and her structed in the	والمتلافة ومعروط بالتالي أورافه والتقد	والمتلقلة ومرتبقا ومأتو بأرا	بقر القرير أيتر الطراب الأربع الأ	والكرد وأريبته والمواريك	hilling and set of the second seco
-50.0 (fright) bely (fright) privite (fright) -60.0 white way below a fright (fright) below (fright)	lana, penyakati pendikan japati kan bat na sa ali maki si karang dalam terdi	et di Bertani ya Kingin nenga Kingi Kata di La Kata sa Lan di La ma	and the second second	Take in the second	n da dan seria da sinia. In da la seria seria da sinia da s	liti pirintenti Internetati
ويتعبد والدائية والمتلاط والمتلاف المترج والمعادر والأمراك والمترا		a san fa ba ƙ	n de ser de la ser d Ser de la ser de la se	Take in the second	<mark>nala na ana ana ana ana ana ana ana ana </mark>	ultin pinin pinin pini <mark>1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,</mark>
	ing model in the second se Second second	a san fa ba ƙ	and the second second	Take in the second		Span 0 H
.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	#VBW 3.0		and the second second			Span 0 H (10001 pt
60.0 70.0 Center 2.441000000 GHz Res BW 1.0 MHz MKR MODE TRC SCL X	#VBW 3.0		and the second second	Sweep		Span 0 H
60.0 70.0 Center 2.441000000 GHz Res BW 1.0 MHz MKR MODE TRC SCL X	#VBW 3.0		<mark>ulahiji aliy</mark> interdidikali	Sweep	5.000 ms (	Span 0 H (10001 pt
60 0         1 <th1< th=""> <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<></th1<>	#VBW 3.0		<mark>ulahiji aliy</mark> interdidikali	Sweep	5.000 ms (	Span 0 H (10001 pt
Co 0         Co 0 </td <td>#VBW 3.0</td> <td></td> <td><mark>ulahiji aliy</mark> interdidikali</td> <td>Sweep</td> <td>5.000 ms (</td> <td>Span 0 H (10001 pt</td>	#VBW 3.0		<mark>ulahiji aliy</mark> interdidikali	Sweep	5.000 ms (	Span 0 H (10001 pt
Center 2.441000000 GHz           Center 2.441000000 GHz           Res BW 1.0 MHz           MKR MODE TRC SCL         X           1         Δ2         1         t         (Δ)         364.0           2         F         1         t         1.010 r         3         4         3         4         4         3         3         3         3         4         3         4         3	#VBW 3.0		<mark>ulahiji aliy</mark> interdidikali	Sweep	5.000 ms (	Span 0 H (10001 pt
Content         <	#VBW 3.0		<mark>ulahiji aliy</mark> interdidikali	Sweep	5.000 ms (	Span 0 H (10001 pt
Co 0         Co 0 <thco 0<="" th="">         Co 0         Co 0         <th< td=""><td>#VBW 3.0</td><td></td><td><mark>ulahiji aliy</mark> interdidikali</td><td>Sweep</td><td>5.000 ms (</td><td>Span 0 H (10001 pt</td></th<></thco>	#VBW 3.0		<mark>ulahiji aliy</mark> interdidikali	Sweep	5.000 ms (	Span 0 H (10001 pt
60.0         1 <td>#VBW 3.0</td> <td></td> <td><mark>ulahiji aliy</mark> interdidikali</td> <td>Sweep</td> <td>5.000 ms (</td> <td>Span 0 H (10001 pt</td>	#VBW 3.0		<mark>ulahiji aliy</mark> interdidikali	Sweep	5.000 ms (	Span 0 H (10001 pt



## Dwell NVNT 1-DH1 2480MHz

Keysight Spectrum Analyzer - Swept SA			
24 R RF 50 Ω AC Center Freq 2.480000000 GHz	SENSE:INT Trig Delay-1.000 PNO: Fast → Trig: Video IFGain:Low Atten: 20 dB	ALIGN AUTO Oms Avg Type: Log-Pw	02:10:10 PM Apr 26, 2020 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P N N N N
Ref Offset 11.4 dB 10 dB/div Ref 20.00 dBm			ΔMkr1 387.5 μs 5.04 dB
0.00	1Δ2		
-10.0			TRIG LVL
-40.0			
-60.0	and provide the standard of the Standard of the standard of the	n den metropik produktion bereinen die beken of 1 beweine zuer den inderen die beken politiken (n. 1	n ha hann hann an den sa had dan disar da gan baran baran. 1914 - Anna Angelan ha han da sa disar da sa hanna ka ka 1914 - Anna Angelan hanna ka
Center 2.480000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sv	Span 0 Hz veep 5.000 ms (10001 pts)
MKR MODE TRC SCL X	Y FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1         Δ2         1         t         (Δ)         387.5 μ           2         F         1         t         1.005 m           3         4         5         5         5			
6 7 8			
9 10			
	m		•

Condition	Mode	Frequency	Pulse Time	Total Dwell Time	Period Time	Limit	Verdict
		(MHz)	(ms)	(ms)	(ms)	(ms)	
NVNT	1-DH3	2402	1.654	264.64	31600	400	Pass
NVNT	1-DH3	2441	1.644	263.04	31600	400	Pass
NVNT	1-DH3	2480	1.643	262.88	31600	400	Pass

#### Dwell NVNT 1-DH3 2402MHz

Keysight Spectrum Analyzer - Swept SA			- @ <mark>- ×</mark>
	SENSE:INT Trig Delay-1.0 NO: Fast Trig: Video Gain:Low Atten: 20 dB	ALIGN AUTO 00 ms Avg Type: L	02:14:01 PM Apr26, 2020 -og-Pwr TRACE 1 2 3 4 5 6 TYPE WWWWW DET P.N.N.N.N
Ref Offset 11.32 dB 10 dB/div Ref 20.00 dBm			ΔMkr1 1.654 ms 0.62 dB
10.0			
-10.0 X 1997 10110		1Δ2	
-20.0	e, podro nindnis podro da sta interneti de la deserva da se da el de la deserva da se de la deserva de la dese Na contra de la deserva de s		TRIG LVL
-40.0			
-50.0			ne hali ha a sena a na fite di na sena fiti pi te na a sena fitera di pana pina di pana pina di pana pina di pa
		a pipi pipi pipi pipi pipi pipi pipi pi	
Center 2.402000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz		Span 0 Hz Sweep 5.000 ms (10001 pts)
MKR MODE TRC SCL X	Y FUNCTIO	N FUNCTION WIDTH	FUNCTION VALUE
1         Δ2         1         t         (Δ)         1.654 ms           2         F         1         t         1.003 ms	(Δ) 0.62 dB -11.45 dBm		
3 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
5 6			E
7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			
9			
MSG		STATUS	



## Dwell NVNT 1-DH3 2441MHz

🗶 R RF 50Ω AC					
Center Freq 2.4410000		SENSE:INT Trig Dela	ALIGN A	UTO vg Type: Log-Pwr	02:17:20 PM Apr 26, 2 TRACE 1 2 3 4
	PNO: Fa IFGain:L				DET P N N N
Ref Offset 11.37	dP				ΔMkr1 1.644 n
10 dB/div Ref 20.00 dBn	n n				2.00 c
10.0			1Δ2		
0.00	v				
-10.0	X2				
-20.0					
-30.0					TRIG
-40.0					
	<b>1</b>		week in the state of the state	tilden her stimp blev ti	n kala di kala kala pelena dapat per pe
	l .		Peter Contraction	iki sa ng sa ang babata is da sa ka	يعاقر ومطاطعت فالاطفاعا الامقام والمراط
Center 2.441000000 GHz Res BW 1.0 MHz		#VBW 3.0 MH	7	Swee	5.000 ms (10001 p
	X		NCTION FUNCTION W		FUNCTION VALUE
1 Δ2 1 t (Δ) 2 F 1 t	1.644 ms (Δ) 1.002 ms	2.00 dB -2.59 dBm			
3	1.002 1115	-2.39 0011			
5					
6					
8					
10					
•		III			
ISG				TATUS	
	Dw	ell NVNT 1-	DH3 2480M	Hz	
📕 Keysight Spectrum Analyzer - Swept SA 🕱 R RF 50 Ω AC		SENSE:INT	ALIGN A	UTO	02:19:25 PM Apr 26, 2
Center Freq 2.4800000	00 GHz	Trig Dela	y-1.000 ms A	vg Type: Log-Pwr	TRACE 1 2 3 4
	PNO: Fa	131			TYPE WWWW DET P N N N
	IFGain:L		000		
Ref Offset 11.4 d	IFGain:L				ΔMkr1 1.643 n
Ref Offset 11.4 di 10 dB/div Ref 20.00 dBn	IFGain:L				
Ref Offset 11.4 dl 10 dB/div Ref 20.00 dBn	IFGain:L				ΔMkr1 1.643 n
10 dB/div Ref 20.00 dBn	IFGain:L				ΔMkr1 1.643 n
10 dB/div Ref 20.00 dBn	IFGain:L B M		1Δ2		ΔMkr1 1.643 n
10 dB/div Ref 20.00 dBn	IFGain:L		1Δ2		ΔMkr1 1.643 m -0.06 c
10 dB/div Ref 20.00 dBn	IFGain:L B M		1Δ2		ΔMkr1 1.643 n
10 dB/div Ref 20.00 dBn	IFGain:L B M		1Δ2		ΔMkr1 1.643 m -0.06 c
10 dB/div Ref 20.00 dBn 0 dB/div Ref 20.00 dBn 0.00 -10.0 -10.0 -20.0 -30.0 -40.0 -50	B M				ΔMkr1 1.643 m -0.06 c 
10 dB/div Ref 20.00 dBn 0 dB/div Ref 20.00 dBn 0.00 -10.0 -10.0 -20.0 -30.0 -40.0 -50	B M				ΔMkr1 1.643 m -0.06 c 
10 dB/div Ref 20.00 dBn -0 g 10 0 -0 0 -0 0 -0 0 -0 0 -0 0 -0 0 -0 0	IFGain:L B M X IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIII				ΔMkr1 1.643 m -0.06 c
10 dB/div Ref 20.00 dBn - 9g 10 0 10 0 10 10 0 10 0 1	IFGain:L B M X IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIII			un di pudi di di di di da da di	ΔMkr1 1.643 m -0.06 c
10 dB/div Ref 20.00 dBn - og - 00 - 00 - 10	IFGain:L	#VBW 3.0 MH	1Δ2	Swee	ΔMkr1 1.643 m -0.06 c 
10 dB/div Ref 20.00 dBn 10.0	IFGain:L В М И П П П П П П П П П П П П П П П П П П П	#VBW 3.0 MH		Swee	ΔMkr1 1.643 m -0.06 c
10 dB/div Ref 20.00 dBn 10 d 10 d	IFGain:L	#VBW 3.0 MH	1Δ2	Swee	ΔMkr1 1.643 m -0.06 c 
10 dB/div         Ref 20.00 dBn           00	IFGain:L В М И П П П П П П П П П П П П П П П П П П П	#VBW 3.0 MH	1Δ2	Swee	ΔMkr1 1.643 m -0.06 c 
10 dB/div         Ref 20.00 dBn           00	IFGain:L В М И П П П П П П П П П П П П П П П П П П П	#VBW 3.0 MH	1Δ2	Swee	ΔMkr1 1.643 m -0.06 c 
10 dB/div         Ref 20.00 dBn           0 g	IFGain:L В М И П П П П П П П П П П П П П П П П П П П	#VBW 3.0 MH	1Δ2	Swee	ΔMkr1 1.643 m -0.06 c 
10 dB/div         Ref 20.00 dBn           00	IFGain:L В М И П П П П П П П П П П П П П П П П П П П	#VBW 3.0 MH	1Δ2	Swee	ΔMkr1 1.643 m -0.06 c 
10 dB/div         Ref 20.00 dBn           0 g	IFGain:L В М И П П П П П П П П П П П П П П П П П П П	#VBW 3.0 MH	1Δ2	Swee	ΔMkr1 1.643 m -0.06 c 
10 dB/div         Ref 20.00 dBn           -9g	IFGain:L В М И П П П П П П П П П П П П П П П П П П П	#VBW 3.0 MH -13.74 dBm	z	Swee	ΔMkr1 1.643 m -0.06 c 



Condition	Mode	Frequency	Pulse Time	Total Dwell Time	Period Time	Limit	Verdict
		(MHz)	(ms)	(ms)	(ms)	(ms)	
NVNT	1-DH5	2402	2.921	311.58	31600	400	Pass
NVNT	1-DH5	2441	2.924	311.90	31600	400	Pass
NVNT	1-DH5	2480	2.923	311.80	31600	400	Pass

	0 Ω AC		E:INT	ALIGN AUTO		2:24:23 PM Apr 26, 2
ter Freq 2.402	2000000 GHz	PNO: Fast ↔	Trig Delay-1.000 ı Trig: Video Atten: 20 dB	ms Avglype	:: Log-Pwr	TRACE 1 2 3 TYPE WWW DET P N N
Ref Offse B/div Ref 20.0	t 11.32 dB <b>10 dBm</b>				ΔΜ	kr1 2.921 0.96
	X					
						TRIC
a da da de de Minemina I de se la com	n.al.nd.add.				Lilàn Letanta	Matalan di Lu adah kata Lamuta
, the model and the first of	<mark>lihi</mark> ang <u>h</u>				- Human	
ter 2.40200000 BW 1.0 MHz	0 GHz	#VBW :	3.0 MHz		Sweep 5.000	Span 0 ms (10001 )
MODE TRC SCL	Х	Y	FUNCTION	FUNCTION WIDTH	FUNCTION V	
Δ2 1 t (Δ) F 1 t	<u>2.921</u> 1.002	ms (Δ) 0.96 d ms -11.68 dB				
				STATUS		

## Dwell NVNT 1-DH5 2402MHz

Dwell NVNT 1-DH5 2441MHz

Keysight Spectrum Analyzer - Swept SA R RF 50 Ω AC Center Freq 2.441000000 GHz	PNO: Fast +++ Tri	INT Ig Delay-1.000 ms Ig: Video Itten: 20 dB	ALIGN AUTO		44 PM Apr 26, 2020 TRACE 1 2 3 4 5 TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Ref Offset 11.37 dB 10 dB/div Ref 20.00 dBm				ΔMkr1	2.924 ms -1.51 dB
				142	
-10.0					
-30.0					TRIG LVL
-40.0 -50.0				in the bar of the bar	a bill and a sile of this
-60.0 -70.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				tel production	tell determine
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.	0 MHz		Sweep 5.000 ms	Span 0 Hz s (10001 pts
MKR MODE TRC SCL X	Y		FUNCTION WIDTH	FUNCTION VALUE	
1         Δ2         1         t         (Δ)         2.924 r           2         F         1         t         1.002 r					
3 4					
5					
7					
9					
11					
<		m	STATUS		F
20			STATUS		



## Dwell NVNT 1-DH5 2480MHz

🚺 Keysight Spectrum Analyzer - Swept SA				
	SENSE:IN	Delay-1.000 ms	ALIGN AUTO Avg Type: Log-Pwr	02:30:47 PM Apr 26, 2020 TRACE 1 2 3 4 5 6
Center Freq 2.480000000 GHz	PNO: East +++ Trig:	Video n: 20 dB	Avg Type. Log-Pwi	
Ref Offset 11.4 dB	II GUILLOW .			ΔMkr1 2.923 ms
10 dB/div Ref 20.00 dBm				1.90 dB
10.0				_1Δ2
0.00 X2				
-10.0				
-30.0				TRIG LVL
-40.0				
-50.0				<mark>ny kampina pina kampina pina kampina kampina na kampina n Na kampina na kampina na</mark>
-50.0 Ulu 19 of society 10 of 192 of 11				and Acatal Aktion (Application) and
Center 2.480000000 GHz Res BW 1.0 MHz	#VBW 3.01	MHz	Swe	Span 0 Hz eep   5.000 ms (10001 pts)
MKR MODE TRC SCL X	Y	FUNCTION FUI	NCTION WIDTH	FUNCTION VALUE
1         Δ2         1         t         (Δ)         2.923 r           2         F         1         t         1.002 r	ns (Δ) 1.90 dB ns -3.75 dBm			
3 4 4				
5 6 7				
8				
10				
		"		4
MSG			STATUS	

Condition	Mode	Frequency	Pulse Time	Total Dwell Time	Period Time	Limit	Verdict
		(MHz)	(ms)	(ms)	(ms)	(ms)	
NVNT	2-DH1	2402	0.3745	119.84	31600	400	Pass
NVNT	2-DH1	2441	0.3765	120.48	31600	400	Pass
NVNT	2-DH1	2480	0.395	126.4	31600	400	Pass

#### Dwell NVNT 2-DH1 2402MHz

Keysight Spe												
R	RF	50 Ω A 2.4020000			SENS	E:INT rig Delay-	-1 000 m			e: Log-Pwr		7 PM Apr 26, 20
enter Fr	eq 2	2.4020000	00 GHZ	PNO: Fas	st 🛶 T	rig: Video	)	3	A18 194	. Log-i wi		TYPE WAAAAA
	_			IFGain:Lo	w /	Atten: 20 d	dB					DET PNNN
	Dof	Offset 11.32	dD								ΔMkr1	374.5
dB/div		20.00 dBr										374.5 0.93 c
<sup>g</sup>												
0.0				1Δ2								
.00												
).0												
1.0			and the solution of									
D.0												
0.0												
	ukaka	de antista alchineadad	1	i kan kan kan si k	hat stated by here.	المراطية القراب	المطلبة والمطلب	di kasa	an sticked and the late	h. h. maile day it in the	ana shida dhani sa b	a Marking Cardina
	whether		n l				alam <mark>Alam</mark>	ini, terri	et statil profesion (se se an a final statil se	<mark>n en de la politica de la composiciona de la comp</mark>		
1 ALL IN A REAL PROPERTY INTERTY IN A REAL PROPERTY IN A REAL PROPERTY INTERTY	indiation Profilip	la a plate de lla la la População de la companya de		dan Kada ya Mala da pada	hannan hannan <sup>An</sup> n ha <sup>n</sup> san ar	n filling Ngrifing	dent dind	<mark>da anda</mark> Angana	indila antes (†	la contribuin di addi Verte politica di Ana		n a far an
	<mark>halbalan</mark> <sup>1</sup> 7941	n dan panan ang sa		nan kan ya Na kan ya	<mark>Arteologian</mark> A <mark>nglig<sup>an</sup> alcontei</mark>	n finite ( Nghi ki di	1990) 	n <mark>n na sana <mark>Carna sana</mark></mark>	in the second	la sentetat pi danta Angenaj pitant <mark>a</mark> ng		
enter 2.4				ng a standard a Ng a standard a	<mark>Alahh <sup>A</sup>kdoada</mark>	<mark>. Anjvitka di</mark> d		<mark>i - Mananananananananananananananananananan</mark>	444) 44 <sub>4</sub>   0   444		n an Angel Standard An Angel Standard Angel Standard Angel Standard Angel Standard Angel Standard Angel Standard Angel Standard Angel Angel Standard Angel S	Span 0
				ita a correct Ng <sub>la</sub> correct	#vBW 3	<mark>. Anjvitka di</mark> d	1999   1999 	n nationalist Transfer	4499) 44 <mark>44</mark> 1911 1914 1917		9 <b>5.000 ms</b>	Span 0 (10001 p
enter 2.4 s BW 1		Hz	x	id <u>n ha</u> da aanada	#VBW 3	.0 MHz				Sweet	5.000 ms	Span 0 (10001 p
enter 2.4 es BW 1 R MODE TR Δ2 1	.0 MI	Hz	× 374.5 L		#VBW 3	.0 MHz			s, pilipa)	Sweet		Span 0 (10001 p
enter 2.4 es BW 1 R MODE TR 1 A2 1 2 F 1	.0 MI	Hz	x		#VBW 3	.0 MHz			s, pilipa)	Sweet		Span 0 (10001 p
enter 2.4 es BW 1 R MODE TR A A2 1 3 3	.0 MI	Hz	× 374.5 L		#VBW 3	.0 MHz			s, pilipa)	Sweet		Span 0 (10001 p
Enter 2.4 es BW 1 R MODE TR A A2 1 2 F 1 3 4 5 5	.0 MI	Hz	× 374.5 L		#VBW 3	.0 MHz			s, pilipa)	Sweet		Span 0 (10001 p
enter 2.4 es BW 1 R MODE TR 1 A2 1 3 3 4 5 6 6	.0 MI	Hz	× 374.5 L		#VBW 3	.0 MHz			s, pilipa)	Sweet		Span 0   (10001 p
Image: All of the second sec	.0 MI	Hz	× 374.5 L		#VBW 3	.0 MHz			<mark>s, pilipa)</mark>	Sweet		Span 0   (10001 p
Image: Non-optimized state         Image: Non-optimized state           cess BW 1         Image: Non-optimized state         Image: Non-optimized state           cess BW 1         Image: Non-optimized state         Image: Non-optimized state           cess BW 1         Image: Non-optimized state         Image: Non-optimized state           cess BW 1         Image: Non-optimized state         Image: Non-optimized state           cess BW 12         F         1         Image: Non-optimized state           cess BW 22         F         1         Image: Non-optimized state           diate         Image: Non-optimized state         Image: Non-optimized state         Image: Non-optimized state           diate         Image: Non-optimized state         Image: Non-optimized state         Image: Non-optimized state         Image: Non-optimized state           diate         Image: Non-optimized state         Image: Non-optimized state         Image: Non-optimized state         Image: Non-optimized state           diate         Image: Non-optimized state         Image: Non-optimized state         Image: Non-optimized state           diate         Image: Non-optimized state         Image: Non-optimized state         Image: Non-optimized state           diate         Image: Non-optimized state         Image: Non-optimized state         Image: Non-optimized state         Image: No	.0 MI	Hz	× 374.5 L		#VBW 3	.0 MHz			<mark>s, pilipa)</mark>	Sweet		Span 0 (10001 p
Market         Markt         Markt         Markt <td>.0 MI</td> <td>Hz</td> <td>× 374.5 L</td> <td></td> <td>#VBW 3</td> <td>FUNC B</td> <td></td> <td></td> <td><mark>s, pilipa)</mark></td> <td>Sweet</td> <td></td> <td>Span 0 (10001 p</td>	.0 MI	Hz	× 374.5 L		#VBW 3	FUNC B			<mark>s, pilipa)</mark>	Sweet		Span 0 (10001 p
Enter 2.4 es BW 1 R MODE TR C A2 1 3 3 4 5 6 6	.0 MI	Hz	× 374.5 L		#VBW 3	.0 MHz			<mark>s, pilipa)</mark>	Sweet		Span 0 (10001 p



## Dwell NVNT 2-DH1 2441MHz

Keysight Spectrum Analyzer - Swept SA				
₩ R RF 50Ω AC Center Freq 2.441000000	) GHz	Trig Delay-1.000 ms	ALIGN AUTO Avg Type: Log-Pwr	02:39:40 PM Apr 26, 203 TRACE 1 2 3 4
	PNO: Fast ↔→ IFGain:Low	Trig: Video Atten: 20 dB		
Ref Offset 11.37 dB				ΔMkr1 376.5 μ
dB/div Ref 20.00 dBm				-1.38 d
0.0				
0.00	1Δ2			
10.0 <b> X</b>				
20.0	11 - Avala dav			
60.0				TRIG L
50.0 <mark>1121 - The Contract of the Contract of Contract </mark>				and the fight of the ball of the part of t
	<mark>, Alay I, Alay I, Perg Maria, Pergabatan Pergabatan Pergabatan Pergabatan Pergabatan Pergabatan Pergabatan Perg</mark>	. Ny Feleratra dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominin	a da halla da ana ba ang jabilahin da bada	h fari ban di bi pan kili ban king pang kari ke
Center 2.441000000 GHz Res BW 1.0 MHz	#\/B	N 3.0 MHz	Swee	Span 0 H p 5.000 ms (10001 pt
MKRI MODELTRCI SCLI X	Y Y		JNCTION WIDTH	FUNCTION VALUE
1 Δ2 1 t (Δ)	376.5 μs (Δ) -1.3	8 dB	SNC HON WIDTH	TONCHON VALUE
2 F 1 t	1.001 ms -7.94	abm		
4 5				
6 7				
8				
10				
		III		Þ
SG			STATUS	
	Dwell N	VNT 2-DH1 24	-80MHz	
Keysight Spectrum Analyzer - Swept SA           R         RF         50 Ω         AC		SENSE:INT	ALIGN AUTO	02:42:18 PM Apr 26, 202
Center Freq 2.48000000	) GHz	Trig Delay-1.000 ms Trig: Video	Avg Type: Log-Pwr	TRACE 1 2 3 4
	PNO: Fast +++ IFGain:Low	Atten: 20 dB		DET
Ref Offset 11.4 dB				ΔMkr1 395.0 μ
0 dB/div Ref 20.00 dBm				2.43 đ
10.0	142			
0.00				
10.0	2			
-20.0				TRIG L
30.0				
40.0 50.0				
			addy any statement is not by the other	
			hi daa iyo talaa haha haha haha haha haha haha hah	
Center 2.480000000 GHz Res BW 1.0 MHz	#\/R	N 3.0 MHz	Swee	Span 0 H p 5.000 ms (10001 pt
MKR MODE TRC SCL X	Y	FUNCTION FU	JNCTION WIDTH	FUNCTION VALUE
1 Δ2 1 t (Δ)	Υ 395.0 μs (Δ) 2.4	3 dB	JNCTION WIDTH	FUNCTION VALUE
1 Δ2 1 t (Δ) 2 F 1 t 3	Y	3 dB	JNCTION WIDTH	FUNCTION VALUE
1 A2 1 t (A) 2 F 1 t 3 4 5 5 6	Υ 395.0 μs (Δ) 2.4	3 dB	UNCTION WIDTH	FUNCTION VALUE
1         Δ2         1         t         (Δ)           2         F         1         t           3         -         -         -           4         -         -         -           5         -         -         -           6         -         -         -           7         -         -         -	Υ 395.0 μs (Δ) 2.4	3 dB	UNCTION WIDTH	FUNCTION VALUE
1     Δ2     1     t     (Δ)       2     F     1     t       3     -     -     -       4     -     -     -       5     -     -     -       6     -     -     -       7     -     -     -       8     -     -     -       9     -     -     -	Υ 395.0 μs (Δ) 2.4	3 dB		FUNCTION VALUE
1         Δ2         1         t         (Δ)           2         F         1         t           3         -         t         -           4         -         -         -           5         -         -         -           6         -         -         -           7         -         -         -           8         -         -         -	Υ 395.0 μs (Δ) 2.4	3 dB		FUNCTION VALUE
1     Δ2     1     t     (Δ)       2     F     1     t       3     -     -     -       4     -     -     -       5     -     -     -       6     -     -     -       7     -     -     -       9     -     -     -	Υ 395.0 μs (Δ) 2.4	3 dB		FUNCTION VALUE



Condition	Mode	Frequency	Pulse Time	Total Dwell Time	Period Time	Limit	Verdict
		(MHz)	(ms)	(ms)	(ms)	(ms)	
NVNT	2-DH3	2402	1.649	263.84	31600	400	Pass
NVNT	2-DH3	2441	1.649	263.84	31600	400	Pass
NVNT	2-DH3	2480	1.649	263.84	31600	400	Pass

		lyzer - Swept SA									
R	RF	50 Ω AC			SENSE:I			ALIGN AUTO		02:5	7:41 PM Apr 26, 202
enter Fi	req 2.4	4020000		PNO: Fast IFGain:Low	🛶 Tri	g Delay-1.0 g: Video ten: 20 dB	00 ms	Avg Typ	e: Log-Pwr		TRACE 1 2 3 4 5 TYPE WWWW DET P N N N
0 dB/div og r		ffset 11.32 2 <b>0.00 dB</b> r								ΔMkr	1 1.649 m -1.48 d
							▲1∆2				
			X <del>in In Phil</del>		<b>viv rin</b>	<b>yiniy</b> n					
3.0											TRIG L
).0 ).0 <mark></mark> 0.0											
		ومواجاته أذريا للقاوري					الأوارين الرابي أأجراه	أعادا والمتحديدات	والألازة الستهر أنعت	والأسلاريل والمقاربة وقاربا	ومحاطرة والمتراطية
								Handesselde open <mark>Handesselde open</mark> Handessel	ited percent existing percent of the second	ni <mark>ng kangali</mark> n Ti <mark>ng kangali</mark> n	
enter 2.4	402000	0000 GHz		#	VBW 3.0	) MHz		and the second second	14,1 <sup>14,1</sup> 4,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup>	AN <mark>a Netta di</mark> A	Span 0 H s (10001 pt
enter 2.4 es BW 1	402000 1.0 MH:	0000 GHz	×	1	Y	) MHz	140 <mark>11</mark> 44)	and the second second	14,1 <sup>14,1</sup> 4,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup>	AN <mark>a Netta di</mark> A	is (10001 pt
enter 2.4 es BW 1	402000 I.0 MH:	0000 GHz	× 1.649 m	s (Δ)	Y -1.48 dB		140 <mark>11</mark> 44)	<mark>lla, el este a</mark>	14,1 <sup>14,1</sup> 4,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup>	p 5.000 m	is (10001 pt
enter 2.4 es BW 1 R MODE TR A2 1 F 1	402000 1.0 MH: RC SCL	0000 GHz	×	s (Δ)	Y		140 <mark>11</mark> 44)	<mark>lla, el este a</mark>	14,1 <sup>14,1</sup> 4,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup>	p 5.000 m	is (10001 pt
enter 2.4 es BW 1 R MODE TF A2 1 F 1	402000 I.0 MH:	0000 GHz	× 1.649 m	s (Δ)	Y -1.48 dB		140 <mark>11</mark> 44)	<mark>lla, el este a</mark>	14,1 <sup>14,1</sup> 4,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup>	p 5.000 m	is (10001 pt
enter 2.4 es BW 1 R MODE TF A 2 1 2 F 1 3 5	402000 I.0 MH:	0000 GHz	× 1.649 m	s (Δ)	Y -1.48 dB		140 <mark>11</mark> 44)	<mark>lla, el este a</mark>	14,1 <sup>14,1</sup> 4,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup>	p 5.000 m	is (10001 pt
enter 2.4 es BW 1 R MODE TR 1 A2 1 2 F 1 3 4 4 5 5 5 7	402000 I.0 MH:	0000 GHz	× 1.649 m	s (Δ)	Y -1.48 dB		140 <mark>11</mark> 44)	<mark>lla, el este a</mark>	14,1 <sup>14,1</sup> 4,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup>	p 5.000 m	is (10001 pt
enter 2.4 es BW 1 R MODE TF 1 A2 1 2 F 1 3 3 4 5 5 5 7 7 8	402000 I.0 MH:	0000 GHz	× 1.649 m	s (Δ)	Y -1.48 dB		140 <mark>11</mark> 44)	<mark>lla, el este a</mark>	14,1 <sup>14,1</sup> 4,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup>	p 5.000 m	is (10001 pt
R         MODE         TF           R         MODE         TF           R         A2         1           R         A2         1           R         A2         1           R         A2         1           R         A3         1           R         A4         1           R	402000 I.0 MH:	0000 GHz	× 1.649 m	s (Δ)	Y -1.48 dB		140 <mark>11</mark> 44)	<mark>lla, el este a</mark>	14,1 <sup>14,1</sup> 4,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup>	p 5.000 m	is (10001 pt
es BW 1	402000 I.0 MH:	0000 GHz	× 1.649 m	s (Δ)	Y -1.48 dB	FUNCTIO	140 <mark>11</mark> 44)	<mark>lla, el este a</mark>	14,1 <sup>14,1</sup> 4,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup>	p 5.000 m	Span 0 H s (10001 pt
R         MODE         TF           R         MODE         TF           R         A2         1           R         A2         1           R         A2         1           R         A2         1           R         A3         1           R         A4         1           R	402000 I.0 MH:	0000 GHz	× 1.649 m	s (Δ)	Y -1.48 dB		140 <mark>11</mark> 44)	<mark>lla, el este a</mark>	14,1 <sup>14,1</sup> 4,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup> ,1 <sup>4</sup>	p 5.000 m	is (10001 pt

## Dwell NVNT 2-DH3 2402MHz

Dwell NVNT 2-DH3 2441MHz

📜 Keysight Spectrum Analyzer - Swej 📜 R RF 50 Ω	AC	SENSE:	INT	ALIGN AUT	-0	03:01:4	PM Apr 26, 202
Center Freq 2.44100	PI	Tri NO:East ⊶ Tri	g Delay-1.000 g: Video ten: 20 dB		g Type: Log-Pwr	T	ACE 1 2 3 4 5 TYPE WWWWM DET PNNNN
Ref Offset 11. 10 dB/div Ref 20.00 d						ΔMkr1	1.649 m 0.46 dl
10.0							
0.00		و مراجع منه رو الما منها اللي منه مراجع م		IΔ2			
-10.0		neildig a philippy an airtichte	le Malante M				
-20.0							TRIG L
-40.0							
-50.0 AN NEW YORK OF A CARD	(M)		<mark>.</mark>	المرور والمتحاد المتحدية والمتحد	n de bije data sterne beerde en de	a na ha tao ana ana ha tao an	
				<mark>Universite and Andrews</mark>		r indering and a second	lada di tan
Center 2.441000000 G Res BW 1.0 MHz	Hz	#VBW 3.	0 MHz		Swee	o 5.000 ms	Span 0 H (10001 pt
MKR MODE TRC SCL	× 1.649 ms	γ (Δ) 0.46 dB	FUNCTION	FUNCTION WIE	TH	FUNCTION VALUE	
2 F 1 t	1.003 ms	-6.57 dBm					
4 5							
6 7							
8							
10							
10							



## Dwell NVNT 2-DH3 2480MHz

📁 Keysight Spectrum Analyzer - Swept SA			
ໝ R RF   50 Ω AC   Center Freq 2.4800000000 GHz	PNO: Fast +		03:06:37 PM Apr 26, 2020 Log-Pwr TRACE   2:3 4 5 6 TYPE WWWWWW DET P NNNNN
Ref Offset 11.4 dB 10 dB/div Ref 20.00 dBm	IrGan.Low Atten. 20		∆Mkr1 1.649 ms -1.69 dB
		1Δ2	
-10.0			
-20.0			TRIG LVL
-40.0		la bahari buratu atas	ill tink ha de men told i popular fil han by die bewere staar dat die staar die beste die staar die beste die s
-60.0		l al desta a blad ha a desta desta	and the second
Center 2.480000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz		Span 0 Hz Sweep 5.000 ms (10001 pts)
MKR         MODE         TRC         SCL         X           1         Δ2         1         t         (Δ)         1.649 m           2         F         1         t         1.004 m           3	s (Δ) -1.69 dB	ICTION FUNCTION WIDTH	FUNCTION VALUE
4 5 6			E
7 8 9			
	III.		•
MSG		STATUS	

Condition	Mode	Frequency	Pulse Time	Total Dwell Time	Period Time	Limit	Verdict
		(MHz)	(ms)	(ms)	(ms)	(ms)	
NVNT	2-DH5	2402	2.922	311.69	31600	400	Pass
NVNT	2-DH5	2441	2.923	311.80	31600	400	Pass
NVNT	2-DH5	2480	2.923	311.80	31600	400	Pass

#### Dwell NVNT 2-DH5 2402MHz

R		nalyzer - Swept SA								
	RF	50 Ω AC			SENSE:INT	/-1.000 ms	ALIGN AUTO	pe: Log-Pwr		6 PM Apr 26, 20 RACE 1 2 3 4
enter F	req z	.40200000	UGHZ	NO: Fast ++-	Trig: Vide		Avgiy	pe. Log-Fwi		TYPE WWWW
			IF	Gain:Low	Atten: 20	dB				DET PNNN
			_						ΔMkr1	2.922 m
0 dB/div		Offset 11.32 dl 20.00 dBm	3							-2.40 d
og	Rei	20.00 0011								
0.0										
.00									<u>*</u> 1Δ2 ———	
0.0		X	Alter de la state	na state den schulen faller	والمتشار ومشتر أشائك	la su di baba di	least a sain da ch	أنأد ويشاول الارتكر فأكار وأ		
U.U		^	i di daga da pa	وتريز الأطار أعريا ألرائيهم		ll and the second	أأتأبكم فكراوانهم وتبازأت	dina dalladi (11)	1	
0.0										
0.0										TRIG
0.0										
D.O Jay ferry	<mark>لال</mark> من <mark>ا</mark> الالل	in the state with the state of th							United States in the states of	وأراد المتحد أرديهما
olo <mark>an dina</mark>	Julio	<b>G</b> http://www.float							dependent of sole have of	. To be de like seen al la se
0.0	ll <mark>tral</mark> and a	a se i hille de ri							nes to built out it she	alte hai ant
		<b>'</b>								
		0000 GHz								Span 0
es BW 1	1.0 MH	lz		#VB	W 3.0 MH2	2		Swee	ep 5.000 ms	(10001 p
	RC SCL	X		Y	FUI	ICTION   F	UNCTION WIDTH		FUNCTION VALUE	
	l t		2.922 ms		0 dB					
1 Δ2 1										
2 F 1			1.003 ms	-6.08	dBm					
2 F 1				-6.08	dBm					
2 <b>F 1</b> 3 4 5 5				-6.08	dBm					
2 <b>F</b> 1 3 4 5 6				-6.08	dBm					
2 F 1 3 4 5 5 6 7 8 8				-6.08	dBm					
2 F 1 3 4 5 5 6 7 8 8				-6.08	dBm					
2 F 1 3 4 5 5 7 8 9 9 0				-6.08	dBm					
				-6.08	dBm					
2 F 1 3 4 5 5 7 8 9 9 0				-6.08			STATUS			



## Dwell NVNT 2-DH5 2441MHz

R RF 50 Ω Center Freg 2.44100		SENSE:INT Trig Delay-1.000 ms	ALIGN AUTO s Avg Type: Log-Pwr	03:19:38 PM Apr 26, 20 TRACE <b>1 2 3 4</b>
senter Fred 2.44100	PNO: Fast	t 🛶 Trig: Video	s Avg Type. Log-1 wi	TYPE WWWW DET P NNN
	IFGain:Lov	W Atten: 20 dB		
Ref Offset 11.				ΔMkr1 2.923 m 3.44 d
10 dB/div Ref 20.00 d	IBM			3.44 U
10.0				1Δ2
0.00				
-10.0	X2			
-20.0				
-30.0				TRIG L
-40.0				
70 0				
				a an
	u, bill			lill of the second line of the second second
Center 2.441000000 G	Hz		_	Span 0 I
Res BW 1.0 MHz		#VBW 3.0 MHz		p 5.000 ms (10001 pr
	X 2.023 mg (A)	Y FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1 Δ2 1 t (Δ) 2 F 1 t	2.923 ms (Δ) 1.003 ms	3.44 dB -4.41 dBm		
3 4				
5				
6 7				
8				
10				
11 <u> </u>				•
I Keysight Spectrum Analyzer - Swe R RF 50 Ω	Pt SA	II NVNT 2-DH5 2	ALIGN AUTO	03:21:24 PM Apr 26, 20 TRACE 1 2 3 4
I Keysight Spectrum Analyzer - Swe R RF 50 Ω	Pt SA	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	2480MHz	03:21:24 PM Apr 26, 20 TRACE 1 2 3 4 TYPE WWWW DET P N N N
R RF 50 Ω R RF 50 Ω Center Freq 2.48000 Ref Offset 11. 0 dB/div Ref 20.00 d	AC OOOO GHZ PNO: Fas IFGain:Lov	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	2480MHz	03:21:24 PM Apr26, 20 TRACE 2 3 4 TVPE WWW DET P NNN
Keysight Spectrum Analyzer - Swe           R         RF         50 Ω           center Freq 2.48000           Ref Offset 11.           Ref Offset 20.00 d	AC OOOO GHZ PNO: Fas IFGain:Lov	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	2480MHz	03:21:24 PM Apr26, 20 TRACE 2 3 4 TVPE WWW DET P NNN
Keysight Spectrum Analyzer - Swe       R     RF       Senter Freq 2.48000       Ref Offset 11.       0 dB/div       Ref 20.00 d	AC OOOO GHZ PNO: Fas IFGain:Lov	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	2480MHz	03:21:24 PM Apr26, 20 TRACE 2 3 4 TVPE WWW DET P NNN
Keysight Spectrum Analyzer - Swe R RF 50 Ω Center Freq 2.48000 Ref Offset 11. Ref 20.00 d 0 dB/div Ref 20.00 d	AC OOOO GHz PNO: Fas IFGain:Lov 4 dB Bm	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	2480MHz	03:21:24 PM Apr 26, 20 TRACE 12:34 TYPE DET PININ ΔMkr1 2.923 n 3.87 c
Reysight Spectrum Analyzer - Swe           R         RF         50 Ω           Center Freq 2.48000         Ref Offset 11.         Ref Offset 11.           0 dB/div         Ref 20.00 d         G           0 0         0         0         0         0	AC OOOO GHZ PNO: Fas IFGain:Lov	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	2480MHz	03:21:24 PM Apr 26, 20 TRACE 12:34 TYPE DET PININ ΔMkr1 2.923 n 3.87 c
Reysight Spectrum Analyzer - Swe           R         RF         50 Ω           Center Freq 2.48000         Ref Offset 11.           0 dB/div         Ref 20.00 d           10 0         0         0           20 0         0         0	AC OOOO GHz PNO: Fas IFGain:Lov 4 dB Bm	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	2480MHz	03:21:24 PM Apr26, 20 TRACE 12.3 4 TYPE 20 ΔMkr1 2.923 n 3.87 d
Keysight Spectrum Analyzer - Swe R	AC OOOO GHz PNO: Fas IFGain:Lov 4 dB Bm	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	2480MHz	03:21:24 PM Apr26, 20 TRACE 12.3 4 TYPE 20 ΔMkr1 2.923 n 3.87 d
Keysight Spectrum Analyzer - Swe R	AC OOOO GHz PNO: Fas IFGain:Lov 4 dB Bm	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	2480MHz	03:21:24 PM Apr26, 20 TRACE 12.3 4 TYPE 20 ΔMkr1 2.923 n 3.87 d
Reysight Spectrum Analyzer - Swe           R         RF         50 Ω           Center Freq 2.48000         Ref Offset 11.           0 dB/div         Ref 20.00 d           0 00         40.0         40.0	AC AC PNO: Fas IFGain:Lot BM	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	2480MHz	03:21:24 PM Apr 26, 21 TRACE 12:34 TYPE DET P NNN ΔMkr1 2.923 m 3.87 c
Keysight Spectrum Analyzer - Swe R	AC AC PNO: Fas IFGain:Lot A dB Bm	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	ALIGN AUTO ALIGN AUTO Avg Type: Log-Pwr	03:21:24 PM Apr 26, 20 TRACE 12.3 4 TYPE VIEW DET PININ ΔΜkr1 2.923 n 3.87 c 1Δ2 TRIOL
Reysight Spectrum Analyzer - Sweet           R         RF         50 Ω           Center Freq 2.48000         Ref Offset 11.           0 dB/div         Ref 20.00 d           0 0	AC AC PNO: Fas IFGain:Lot A dB Bm	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	ALIGN AUTO ALIGN AUTO Avg Type: Log-Pwr	03:21:24 PM Apr26, 20 TRACE 12:34 TYPE 12:34 DET P NNN ΔMkr1 2.923 n 3.87 d 1Δ2 TRICI
Keysight Spectrum Analyzer - Swe           R         RF         50 Ω           center Freq 2.48000         Ref Offset 11.           0 dB/div         Ref 20.00 d           0 g	AC OUDO GHZ PNO: Fast IFGain:Lov	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	ALIGN AUTO ALIGN AUTO Avg Type: Log-Pwr	03:21:24 PM Apr26, 20 TRACE [2:3:4 TYPE [2:3:4 TYPE [2:3:4] DET P NNN ΔMkr1 2.923 n 3.87 d
Keysight Spectrum Analyzer - Swe           R         RF         50 Q           center Freq 2.48000           Ref Offset 11.           O dB/div         Ref 20.00 d           0         0         0 <t< td=""><td>AC OUDO GHZ PNO: Fast IFGain:Lov</td><td>SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video</td><td>ALIGN AUTO</td><td>03:21:24 PM Apr26, 20 TRACE 12:34 TYPE 23:4 DET P NNN ΔMkr1 2.923 n 3.87 d 1Δ2 TRIOL</td></t<>	AC OUDO GHZ PNO: Fast IFGain:Lov	SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video	ALIGN AUTO	03:21:24 PM Apr26, 20 TRACE 12:34 TYPE 23:4 DET P NNN ΔMkr1 2.923 n 3.87 d 1Δ2 TRIOL
Keysight Spectrum Analyzer - Swe           Ref Offset 11.           Ref Offset 11.           Ref Offset 11.           O dB/div         Ref Offset 11.           0	AC OUDO GHZ PNO: Fast IFGain:Lov	SENSE:INT Trig Delay-1.000 m t → Trig: Video Atten: 20 dB	ALIGN AUTO	03:21:24 PM Apr26, 20 TRACE 12:34 TYPE 23:4 DET P NNN ΔMkr1 2.923 n 3.87 d 1Δ2 TRIOL
Keysight Spectrum Analyzer - Swe           Q         R         RF         50 Ω           Center Freq 2.48000         Ref Offset 11.         Ref 20.00 d           0 dB/div         Ref 20.00 d         Ref 20.00 d           0 g	AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A)	SENSE:INT         Trig Delay-1.000 ms           Trig Delay-1.000 ms         Trig Video           M         Atten: 20 dB           W         Atten: 20 dB           #VBW 3.0 MHz         Y           Y         FUNCTION           3.87 dB	2480MHz	TRIOL 1994 - 1994 - 1997 - 19
Keysight Spectrum Analyzer – Swee           Ref Offset 11.           Conter 2.480000000 G           Center 2.4800000000 G           Res BW 1.0 MHz           MKR MODE TRC SCL           1         A 2         1         t           A 2         1         t           A 2         t         t	AC OUTOOR CHZ PNO: Fast IFGain:Lot 4 dB 8 m 2 c (m)	SENSE:INT     Trig Delay-1.000 ms     Trig: Video     Atten: 20 dB	2480MHz	03:21:24 PM Apr26, 20 TRACE 12.3.4 TYPE VALUE ΔΜΚΓ1 2.923 m 3.87 d 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL
Registint Spectrum Analyzer - Swe           Ref Offset 11.           Offset 11.           Ref Offset 11.           Offset 12. <td>AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A)</td> <td>SENSE:INT         Trig Delay-1.000 ms           Trig Delay-1.000 ms         Trig Video           M         Atten: 20 dB           W         Atten: 20 dB           #VBW 3.0 MHz         Y           Y         FUNCTION           3.87 dB</td> <td>2480MHz</td> <td>03:21:24 PM Apr26, 20 TRACE 12.3.4 TYPE VALUE ΔΜΚΓ1 2.923 m 3.87 d 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL</td>	AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A)	SENSE:INT         Trig Delay-1.000 ms           Trig Delay-1.000 ms         Trig Video           M         Atten: 20 dB           W         Atten: 20 dB           #VBW 3.0 MHz         Y           Y         FUNCTION           3.87 dB	2480MHz	03:21:24 PM Apr26, 20 TRACE 12.3.4 TYPE VALUE ΔΜΚΓ1 2.923 m 3.87 d 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL
Ref         Sto Ω           Center Freq 2.48000         Ref Offset 11.           10 dB/div         Ref 20.00 d           -0g	AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A)	SENSE:INT         Trig Delay-1.000 ms           Trig Delay-1.000 ms         Trig Video           M         Atten: 20 dB           W         Atten: 20 dB           #VBW 3.0 MHz         Y           Y         FUNCTION           3.87 dB	2480MHz	03:21:24 PM Apr26, 20 TRACE [] 2:3 4 TYPE [] 2:3 4 TYPE [] 2:3 4 TYPE [] 2:3 4 TYPE [] 2:3 4 0 0 0 1 1 Δ2 1 Δ2
Keysight Spectrum Analyzer - Sweet           Q         R         R         S0 Ω           Center Freq 2.48000         Ref Offset 11.         Ref 20.00 d           Og         Ref 20.00 d         Ref 20.00 d           Conter 12.4800000000 G         Ref 20.00 d         Ref 20.00 d           Center 2.4800000000 G         Ref 20.00 d         Ref 20.00 d           R         R         R         R           R         R         R         R	AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A)	SENSE:INT         Trig Delay-1.000 ms           Trig Delay-1.000 ms         Trig Video           M         Atten: 20 dB           W         Atten: 20 dB           #VBW 3.0 MHz         Y           Y         FUNCTION           3.87 dB	2480MHz	03:21:24 PM Apr26, 20 TRACE 12.3.4 TYPE VALUE ΔΜΚΓ1 2.923 m 3.87 d 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL
Keysight Spectrum Analyzer - Swe           Ref Offset 11.           Ref Offset 11.           Center Freq 2.48000           Ref Offset 11.           Offset 12.     <	AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A)	SENSE:INT         Trig Delay-1.000 ms           Trig Delay-1.000 ms         Trig Video           M         Atten: 20 dB           W         Atten: 20 dB           #VBW 3.0 MHz         Y           Y         FUNCTION           3.87 dB	2480MHz	03:21:24 PM Apr26, 20 TRACE [] 2:3 4 TYPE [] 2:3 4 TYPE [] 2:3 4 TYPE [] 2:3 4 TYPE [] 2:3 4 0 0 0 1 1 Δ2 1 Δ2
Registing Spectrum Analyzer - Swe           Ref Offset 11.           Ref Offset 11.           Ref Offset 11.           Offset 11.           Offset 11.           Ref Offset 11.	AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A)	SENSE:INT         Trig Delay-1.000 ms           Trig Delay-1.000 ms         Trig Video           Market of the sense of the sens of the sense of the sense of the sense of the sense of	2480MHz	03:21:24 PM Apr26, 20 TRACE 12.3.4 TYPE VALUE ΔΜΚΓ1 2.923 m 3.87 d 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL



Condition	Mode	Frequency	Pulse Time	Total Dwell Time	Period Time	Limit	Verdict
		(MHz)	(ms)	(ms)	(ms)	(ms)	
NVNT	3-DH1	2402	0.3725	119.2	31600	400	Pass
NVNT	3-DH1	2441	0.3735	119.52	31600	400	Pass
NVNT	3-DH1	2480	0.3735	119.52	31600	400	Pass

	Analyzer - Swept SA									
R RF	F 50 Ω AC <b>2.40200000</b>			SENSE:1	g Delay-1.0			e: Log-Pwr	03:	26:20 PM Apr 26, 2 TRACE 1 2 3 4
niel Fleg	2.40200000		PNO: Fast	🛶 Tri	g: Video					
			IFGain:Low	At	ten: 20 dB					,
Re	f Offset 11.32 d	B							ΔMI	(r1 372.5
dB/div Re	f 20.00 dBm									-0.19 c
0										
0		/	Δ2							
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o nationalities de la posicionalities de la posicionalities de la posicionalities de la posicionalities de la posicionalities de la posicionalities d	AN AN AN AN AN AN AN AN An An A		r der der stedensch <mark>Hiter vor (Patril) pa</mark>	1010 (1910) 	llandra at r <mark>hand pilling</mark>		<mark>i (jajoba) ja</mark>	tenterentid tette Infinal <mark>, ettablis</mark> ti	editionedicid <mark>T</mark> iplic[d]ditio	n printer for the second of the second of Second of the second of the
o Patholishi Patholish			<mark>, laptor internet.</mark>   L. Laptor III			1944   1944   19   194   1944   1944   194   194   1944   1944   1944   1944   1944   1944   1944   1944   1944   1944   1944   1	n n hain an hain an h Ngang (ngang pan	kon teoreta de sta Indepair per per per per per per per per per pe	na an ann an an an an Ngalar ag an	Span 0
nter 2.4020			, <mark>                                    </mark>	VBW 3.0	MHz	1) et kilose (*)   , et kilose (*)   , et kilose (*)	n de de la composition N <sub>n de</sub> la composition	<mark>lidgali andal 11</mark> 1	<mark>) (</mark> yyddol dd dd dd dd	Span 0 ms (10001 p
nter 2.4020 s BW 1.0 M	/IHz			VBW 3.0	D MHz			<mark>lidgali andal 11</mark> 1	<mark>) (</mark> yyddol dd dd dd dd	ms (10001 p
hter 2.4020 BW 1.0 W MODE TRC SCI	/IHz	372.5 µs	s (Δ)	Y -0.19 dB			al <sub>tan</sub> (tan a ba	<mark>lidgali andal 11</mark> 1	ep 5.000 i	ms (10001 p
nter 2.4020 BW 1.0 M	/IHz		s (Δ)	Y		N FUNC	al <sub>tan</sub> (tan a ba	<mark>lidgali andal 11</mark> 1	ep 5.000 i	ms (10001 p
nter 2.4020 s BW 1.0 W	/IHz	372.5 µs	s (Δ)	Y -0.19 dB		N FUNC	al <sub>tan</sub> (tan a ba	<mark>lidgali andal 11</mark> 1	ep 5.000 i	ms (10001 p
nter 2.4020 s BW 1.0 W	/IHz	372.5 µs	s (Δ)	Y -0.19 dB			al <sub>tan</sub> (tan a ba	<mark>lidgali andal 11</mark> 1	ep 5.000 i	ms (10001 p
nter 2.4020 s BW 1.0 W	/IHz	372.5 µs	s (Δ)	Y -0.19 dB			al <sub>tan</sub> (tan a ba	<mark>lidgali andal 11</mark> 1	ep 5.000 i	ms (10001 p
nter 2.4020 s BW 1.0 W	/IHz	372.5 µs	s (Δ)	Y -0.19 dB			al <sub>tan</sub> (tan a ba	<mark>lidgali andal 11</mark> 1	ep 5.000 i	ms (10001 p
nter 2.4020 s BW 1.0 W	/IHz	372.5 µs	s (Δ)	Y -0.19 dB			al <sub>tan</sub> (tan a ba	<mark>lidgali andal 11</mark> 1	ep 5.000 i	ms (10001 p
nter 2.4020 s BW 1.0 W	/IHz	372.5 µs	s (Δ)	Y -0.19 dB			al <sub>tan</sub> (tan a ba	<mark>lidgali andal 11</mark> 1	ep 5.000 i	ms (10001 p
nter 2.4020 s BW 1.0 W	/IHz	372.5 µs	s (Δ)	Y -0.19 dB		N FUNC	al <sub>tan</sub> (tan a ba	<mark>lidgali andal 11</mark> 1	ep 5.000 i	ms (10001 p

## Dwell NVNT 3-DH1 2402MHz

Dwell NVNT 3-DH1 2441MHz

📕 Keysight Spectrum Analyzer - Sv							
R RF 50 G Center Freq 2.4410		SENSE:I	nt Delay-1.000 m:		: Log-Pwr		PM Apr 26, 202
senter freq 2.44 to	PNO	Fast 🛶 Trig	g: Video ten: 20 dB				
	IFGai	in:Low Att	en. 20 ab				
Ref Offset 1						ΔΙΝΙΚΓΊ	373.5 μ -1.69 dl
10 dB/div Ref 20.00	abm						-1.00 ai
10.0	1Δ2						
0.00							
-10.0							
-20.0							
-30.0							TRIG L
-40.0							
-50.0		Admidd nan i a si ar will a sha	laadhaa na billionan				
		e render ander steren en fangeren en fanger e	alle vite piloten alle alle alle alle alle alle alle al		and a state of the	ון (הוא ן ייזיון בקקרן דיזי ו	at the second
-70.0	the the state of the	active and the second second				an setter after t	
Center 2.441000000 Res BW 1.0 MHz	GHz	#VBW 3.0	BALL-		Owen		Span 0 H
						5.000 ms	(10001 pt
MKR MODE TRC SCL	X	Y	FUNCTION	FUNCTION WIDTH	C1	JNCTION VALUE	
	373 5 us (A	-1 69 dB			10	SNCTION VALUE	
1 Δ2 1 t (Δ) 2 F 1 t	373.5 μs (Δ 1.004 ms	) -1.69 dB 1.35 dBm			10	SNC HON VALUE	
1 Δ2 1 t (Δ)	373.5 μs (Δ 1.004 ms	) -1.69 dB 1.35 dBm			1	SNC HON VALUE	
1         Δ2         1         t         (Δ)           2         F         1         t         3           3         4         4         4         4           5         5         5         5         5	373.5 μs (Δ 1.004 ms	) -1.69 dB 1.35 dBm			1.5	INCTION VALUE	
1         Δ2         1         t         (Δ)           2         F         1         t         3           3         -         -         -         -           4         -         -         -         -           5         -         -         -         -           6         -         -         -         -           7         -         -         -         -	373.5 μs 1.004 ms	) -1.69 dB 1.35 dBm				INCTION VALUE	
1         Δ2         1         t         (Δ)           2         F         1         t         3           3         4         5         5         6	373.5 μs (Δ 1.004 ms	) -1.69 dB 1.35 dBm					
1         Δ2         1         t         (Δ)           2         F         1         t         3 <td>373.5 μs (Δ 1.004 ms</td> <td>) -1.69 dB 1.35 dBm</td> <td></td> <td></td> <td></td> <td></td> <td></td>	373.5 μs (Δ 1.004 ms	) -1.69 dB 1.35 dBm					
1     Δ2     1     t     (Δ)       2     F     1     t       3     -     -     -       4     -     -     -       5     -     -     -       6     -     -     -       7     -     -     -       8     -     -     -       9     -     -     -	373.5 µs (Δ 1.004 ms	) -1.69 dB 1.35 dBm	m				Þ



## Dwell NVNT 3-DH1 2480MHz

💓 Keysight Spectrum Analyzer - Swept SA				
R         RF         50 Ω         AC           Center Freq 2.480000000 GHz	SENSE	ig Delay-1.000 ms	Avg Type: Log-Pwr	03:32:01 PM Apr 26, 2020 TRACE 1 2 3 4 5 6
Center Freq 2.480000000 GHz	PNO East ++ Tr	ig: Video	nig type. Log t in	TYPE WWWWWW DET P N N N N
	IFGain:Low A	tten: 20 dB		
Ref Offset 11.4 dB				ΔMkr1 373.5 μs -1.69 dB
10 dB/div Ref 20.00 dBm				-1.69 dB
Log				
10.0	1Δ2			
-10.0				
-20.0				
-30.0				TRIG LVL
-40.0				
-50.0	والمتحافظ والمتحافظ المحافظ المتحافظ ومراد	والمتعادية والمتعادية والمتعادية المتعادية	والمتعادية والمتعالم والمتعاد والمتعادين والمالية	i daaraa da dadaa da da da da da ahaa da d
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-70.0	<b>ud.</b> u o bel loso o libro del 10	die bezahlich die Alter die sol	a Metrikitati in kali e ke marika	
Center 2.480000000 GHz			-	Span 0 Hz
Res BW 1.0 MHz	#VBW 3.	0 MHZ	Swe	ep   5.000 ms (10001 pts)
MKR MODE TRC SCL X	Y		CTION WIDTH	FUNCTION VALUE
<b>1</b> Δ2 <b>1</b> t (Δ) 373.5	μs (Δ) -1.69 dB		CTION WIDTH	FUNCTION VALUE
1         Δ2         1         t         (Δ)         373.5         2         F         1         t         1.004 r         3           3         -         1         1         1         1         1         1         1         1         1         1         1         1         1         1	μs (Δ) -1.69 dB		CTION WIDTH	FUNCTION VALUE
1         Δ2         1         t         (Δ)         373.5         2         F         1         t         1.004 r         3         3         4         4         4         1 <th1< th=""> <th1< th=""> <th1< th=""> <t< td=""><td>μs (Δ) -1.69 dB</td><td></td><td>CTION WIDTH</td><td>FUNCTION VALUE</td></t<></th1<></th1<></th1<>	μs (Δ) -1.69 dB		CTION WIDTH	FUNCTION VALUE
1         Δ2         1         t         (Δ)         373.5         2         F         1         t         1.004 r         3           3         -         1         1         1         1         1         1         1         1         1         1         1         1         1         1	μs (Δ) -1.69 dB			FUNCTION VALUE
Δ2         1         t         (Δ)         373.5           2         F         1         t         1.004 r           3         -         -         -         -           4         -         -         -         -           5         -         -         -         -           6         -         -         -         -           7         -         -         -         -         -	μs (Δ) -1.69 dB		CTION WIDTH	FUNCTION VALUE
1         Δ2         1         t         (Δ)         373.5           2         F         1         t         1.004 r           3         4         5         5         6           6         6         7         8         9	μs (Δ) -1.69 dB		CTION WIDTH	FUNCTION VALUE
Δ2         1         t         (Δ)         373.5           2         F         1         t         1.004 r           3         4         5         5         5           6         7         7         7         7           8         9         9         9         10         10	μs (Δ) -1.69 dB			FUNCTION VALUE
1         Δ2         1         t         (Δ)         373.5           2         F         1         t         1.004 r           3         4         5         5         6           6         6         7         8         9	μs (Δ) -1.69 dB			FUNCTION VALUE
1         Δ2         1         t         (Δ)         373.5           2         F         1         t         1.004 r           3         4         4         5         6           6         6         6         8         9           9         9         10         11         10	μs (Δ) -1.69 dB		STATUS	FUNCTION VALUE

Condition	Mode	Frequency	Pulse Time	Total Dwell Time	Period Time	Limit	Verdict
		(MHz)	(ms)	(ms)	(ms)	(ms)	
NVNT	3-DH3	2402	1.645	263.2	31600	400	Pass
NVNT	3-DH3	2441	1.637	261.92	31600	400	Pass
NVNT	3-DH3	2480	1.649	263.84	31600	400	Pass

#### Dwell NVNT 3-DH3 2402MHz

🚺 Keysight Spect	trum Analyzer - Swe RF 50 Ω	pt SA	CEN	E:INT	AL	IGN AUTO		02:42:1	4 PM Apr 26, 2020
	eq 2.40200	0000 GHz		Trig Delay-1.00 Trig: Video Atten: 20 dB		Avg Type:	Log-Pwr		RACE 1 2 3 4 5 6 TYPE WWWWWW DET P N N N N
10 dB/div	Ref Offset 11. Ref 20.00 c							ΔMkr1	1.645 ms -2.54 dB
10.0					1Δ2 —				
-10.0									
-30.0									TRIG LVL
	ay ni sangalang ini sa ka	ududi.			An transmission	<mark>Haras Hurpton peganta</mark>	<mark>II (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)</mark>	TTPD TO THE TO THE TOTAL	tid <mark>opentintententen</mark>
-60.0	hter in the state of	lany <sup>ah</sup>			<mark>AD<sup>HA</sup>MA</mark>	<mark>de tel (</mark> ), je pil <sub>to</sub> di		<mark>hter in presenter son and son a The son and son</mark>	<mark>, pinini munini ni</mark> m
Center 2.4 Res BW 1.0	02000000 G 0 MHz	iHz	#VBW	3.0 MHz			Sweep	5.000 ms	Span 0 Hz (10001 pts)
MKR MODE TRC		× 1.645 ms			FUNCT	FION WIDTH	F	UNCTION VALUE	A
2 F 1 3	t	1.006 ms	-6.07 dB	m					
4 5									=
6 7									
8									
10									-
<				m		STATUS			•
ASG						STATUS			





#### Dwell NVNT 3-DH3 2441MHz

Keysight Spectrum Analyzer - Swept SA           R         RF         50 Ω         AC		SENSE:INT	ALIGN AUTO	03:51:11 PM Apr 26, 2020
Center Freq 2.441000000 GH		Trig Delay-1.000 ms Trig: Video Atten: 20 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE DET PNNNN
Ref Offset 11.37 dB				ΔMkr1 1.637 ms -0.24 dB
10 dB/div Ref 20.00 dBm				-0.24 015
	ine a site of the birth for the site of a site of			
-10.0	de la final de la constante de la final	a stilling & different if she of the second		
-20.0				
-30.0				TRIG LVL
-50.0			developmental development	Adapted a har jable likes tak no har an data.
-60.0 Nater bet el la kiera bit de la la la trater hat			al a tradition de la calendad de la calenda	<ul> <li>I with the state of the state</li> </ul>
Center 2.441000000 GHz Res BW 1.0 MHz	#VB	W 3.0 MHz	Swee	Span 0 Hz p 5.000 ms (10001 pts)
		FUNCTION FU	UNCTION WIDTH	FUNCTION VALUE
2 F 1 t 1.0	04 ms 1.24	dBm		
4 5 6				E
7 8				
9 10				
11 ·				• •
MSG	D 11.11		STATUS	
🎉 Keysight Spectrum Analyzer - Swept SA	Dwell N	VNT 3-DH3 24	80MHz	
Center Freg 2.480000000 GH		SENSE:INT Trig Delay-1.000 ms	ALIGN AUTO Avg Type: Log-Pwr	03:54:11 PM Apr 26, 2020 TRACE 1 2 3 4 5 6
	PNO: Fast ↔→ IFGain:Low	Trig: Video Atten: 20 dB		
Ref Offset 11.4 dB 10 dB/div Ref 20.00 dBm				∆Mkr1 1.649 ms -0.47 dB
Log		1Δ2		
0.00 X2***	ina e nije opjendi dje bito e nije o			
-10.0				
-20.0				TRIG LVL
-40.0				
-50.0 <mark>Anthony States and Anthony Market Press</mark>		a a a a a a a a a a a a a a a a a a a	a han ba ku ji da pariha ban ki ka sa sana sa	ana lini sa mkada na ng kada pala ini kacani si sa kang
-60.0 Haran Ing an state of the		المرينة إل	level , de la level e des presentes de la level de la construcción de la construcción de la construcción de la	<mark>a ha an ha </mark>
Center 2.480000000 GHz				Span 0 Hz
Res BW 1.0 MHz	#VB	W 3.0 MHz	Swee	p 5.000 ms (10001 pts)
MKR         MODE         TRC         SCL         X           1         Δ2         1         t         (Δ)         1.6	Y 49 ms (Δ) -0.4	FUNCTION FU	JNCTION WIDTH	FUNCTION VALUE
2 F 1 t 1.0		dBm		
4				E
6 7 8				
9 10				
1100			214142	



Condition	Mode	Frequency	Pulse Time	Total Dwell Time	Period Time	Limit	Verdict
		(MHz)	(ms)	(ms)	(ms)	(ms)	
NVNT	3-DH5	2402	2.925	312.00	31600	400	Pass
NVNT	3-DH5	2441	2.916	311.05	31600	400	Pass
NVNT	3-DH5	2480	2.922	311.70	31600	400	Pass

		yzer - Swept SA								
L <mark>XI</mark> R	RF	50 Ω AC			SENSE:INT	1 4 000	ALIGN AUTO			19 PM Apr 26, 2020
Center F	req 2.4	0200000	0 GHz			elay-1.000 n /ideo	ns Avgi	Type: Log-Pwr		TYPE WWWWW
				PNO: Fast ++- FGain:Low		: 20 dB				DET P NNNN
				Gumeow						0.005
	Ref Of	fset 11.32 d	в						ΔMkr1	2.925 ms
10 dB/div	Ref 2	0.00 dBm								2.88 dB
10.0										
0.00									▲1∆2	
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-70.0	1.0.0.0.00								- adda - da da	the produce for
Center 2										Span 0 Hz
Res BW	1.0 MHz	2		#VB	W 3.0 N	1Hz		Swee	ep 5.000 ms	; (10001 pts)
MKR MODE T		)		Y		FUNCTION	FUNCTION WIDTH	1	FUNCTION VALUE	
	1 t (A		2.925 ms		38 dB	FUNCTION	PONCTION WIDTH		FONCTION VALUE	
2 F	1 t		1.002 ms	-9.42	dBm					
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## Dwell NVNT 3-DH5 2402MHz

Dwell NVNT 3-DH5 2441MHz

	m Analyzer - Swept SA	1								- P
	RF 50 Ω AC <b>2.44100000</b>	Р	NO: Fast ↔ Gain:Low	Trig:	Delay-1.000 r Video n: 20 dB		IGN AUTO Avg Type	: Log-Pwr		5 PM Apr 26, 20 RACE 1 2 3 4 TYPE W DET P N N N
	tef Offset 11.37 c tef 20.00 dBm								ΔMkr1	2.916 m 0.92 d
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-10.0	>		<mark>(Alang) (Kali</mark> gina)	(anda)     (*) 						
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	<u>Aphi ini ini du</u>							ľ		
es BW 1.0			#VB	W 3.0 I	VIHz			Sweep	5.000 ms	Span 0 (10001 p
	scL  ; t (Δ) t	2.916 ms 1.002 ms	γ (Δ) 0.9 -7.64	92 dB dBm	FUNCTION	FUNC	TION WIDTH	F	UNCTION VALUE	
4 5 6 7										
8 9 0										
G G				1	11		STATUS			•
-							0			



## Dwell NVNT 3-DH5 2480MHz

Keysight Spectrum Analyzer - Swept SA			
IXI R RF 50 Ω AC	SENSE:INT Trig Delay-1	ALIGN AUTO	04:06:38 PM Apr 26, 2020
Center Freq 2.480000000 GHz	PNO: Fast +++ Trig: Video	.000 ms Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE WWWWW
	IFGain:Low Atten: 20 dE	3	DET P NNNN
			ΔMkr1 2.922 ms
Ref Offset 11.4 dB			-2.94 dB
10 dB/div Ref 20.00 dBm			-2.04 MD
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-20.0			
-30.0			TRIG LVL
-40.0			
-50.0			de la carine de la de la de la desta de la constitución de la desta de la desta de la desta de la desta de la d
-60.0			The fraction inside a closed of rates and
Center 2.480000000 GHz			Span 0 Hz
Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep	5.000 ms (10001 pts
MKR MODE TRC SCL X	Y FUNCT	ION FUNCTION WIDTH F	UNCTION VALUE
1 Δ2 1 t (Δ) 2.922 r			
2 F 1 t 1.003 r	ns 0.07 dBm		
3 4			
5			=
6			
8			
9			
10			
			F
ISG		STATUS	



## 10. Band edge

## **10.1.** Applied procedures / Limit

15.247(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.205(c)).

## 10.2. Test procedure

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Span = wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products which fall outside of the authorized band of operation, RBW ≥ 1% of the span, VBW ≥ RBW, Sweep = auto, Detector function = peak, Trace = max hold

## 10.3. Deviation from standard

No deviation.

## 10.4. Test setup



## 10.5. Test results



Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2402	Ant 1	No-Hopping	-56.709	-20	Pass
NVNT	GFSK	2480	Ant 1	No-Hopping	-48.911	-20	Pass

R	Spectrum A RF	Analyzer - Swept S	SA AC		SENSE:INT		ALIGN AUTO		02:06:4	PM Apr 26, 2
		2.3560000	000 GHz	PNO: Fast ↔→	Trig: Free Atten: 20		Avg Type	e: Log-Pwr : 5000/5000	TF	TYPE MWW DET P N N
		Offset 11.32							Mkr1 2.40	2 00 G 569 dE
) dB/div 9g <b>r</b>	Ret	20.00 dB	m						<u> </u>	569 uE
0.0										· · · ·
.00										<u> </u>
D.O 🖵										<u> </u>
D.0										-19.75
D.O										
0.0										
0.0				4						
0.0			ورموردار دودة أورو وروفت الدود والم	-	anticipation of the second		and the second	ور المراجع وراجع المراجع ور	and the second	
0.0										
	30600 W 100			#VB	N 300 kHz	:		Sweep	Stop 2. 10.00 ms	40600 G (10001 p
	TRC SCL		Х	Y		ICTION	FUNCTION WIDTH		FUNCTION VALUE	
1 N 2 N	1 f 1 f		2.402 00 GHz 2.400 00 GHz	0.569						
	4 5		2.390 00 GHz	-59.366	dBm					
3 N 4 N 5	1 f		2.342 82 GHz	-56.464	dBm					
2 N 3 N 4 N 5 6 7			2.342 82 GHz	-56.464	dBm					
3 N 4 N 5 6 7 8			2.342 82 GHz	-56.464						
3 N 4 N 5 6 7 8 9 0			2.342 82 GHz	-56.464						
3 N 4 N 5 6 7 8 9			2.342 82 GHz	-56.464						

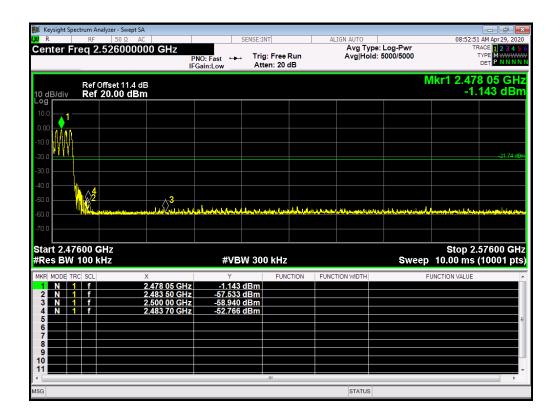
Keysight Spectrum Analyzer - Swept SA				
R RF 50Ω AC enter Freg 2.526000000 GH	Z SENSE:1		ALIGN AUTO Avg Type: Log-Pwr	02:11:43 PM Apr 26, 202 TRACE 1 2 3 4 5
	PNO: Fast +++ Tri	g: Free Run ten: 20 dB	Avg Hold: 5000/5000	DET PNNN
Ref Offset 11.4 dB				Mkr1 2.480 00 GH -1.119 dBr
dB/div Ref 20.00 dBm				-1.110 001
0.0				
				21.54.d
	an de mit de la constat fonde annan a fair annan di	to B and Aller an astars of the L	a district de la companya de set a la companya de s	and a billion official default metallises
.0				
art 2.47600 GHz les BW 100 kHz	#VBW 30	0 kHz	Sweep	Stop 2.57600 GF 10.00 ms (10001 pt
R MODE TRC SCL X	Y	FUNCTION FUN		FUNCTION VALUE
N 1 f 2.480 00 N 1 f 2.483 50				
8 N 1 f 2.500 00	) GHz -58.970 dBm			
N 1 f 2.483 59	-50.457 dBm			
		III	STATUS	•

Dongguan New Testing Centre Co., Ltd



Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2402	Ant 1	Hopping	-56.125	-20	Pass
NVNT	GFSK	2480	Ant 1	Hopping	-51.021	-20	Pass

📕 Keysight Spe 🖬 R	ectrum A RF	nalyzer - Swept SA 50 Ω AC			SENSE:1	NT	1	ALI	IGN AUTO		08:49	
Center Fi	req 2	.3560000		PNO: Fast ↔ FGain:Low		g: Free F ten: 20 c				e: Log-Pwr d: 5000/5000		TRACE 1 2 3 4 5 TYPE MWWWW DET P NNNN
10 dB/div		Offset 11.32 ( 20.00 dBn		1							Mkr1 2.4	05 05 GHz 0.626 dBm
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0										\$ <sup>4</sup>	3	
-60.0					(DW 00	0 kili-					Stop	2.40600 GHz
#Res BW					/BW 30		7.011	511107		Swee		s (10001 pts
MKR         MODE         TH           1         N         1           2         N         1           3         N         1           4         N         1           5         6         7           6         9         9           10         11         11	f		X 2.405 05 GHz 2.400 00 GHz 2.390 00 GHz 2.378 40 GHz	-56.2 -58.8	26 dBm 31 dBm 28 dBm 00 dBm	FUNC	TION	FUNCT	ION WIDTH		FUNCTION VALU	E
<												•





Condition	Mode	Frequency	Antenna	Hopping	Max Value	Limit	Verdict
		(MHz)		Mode	(dBc)	(dBc)	
NVNT	π/4-DQPSK	2402	Ant 1	No-Hopping	-55.078	-20	Pass
NVNT	π/4-DQPSK	2480	Ant 1	No-Hopping	-46.973	-20	Pass

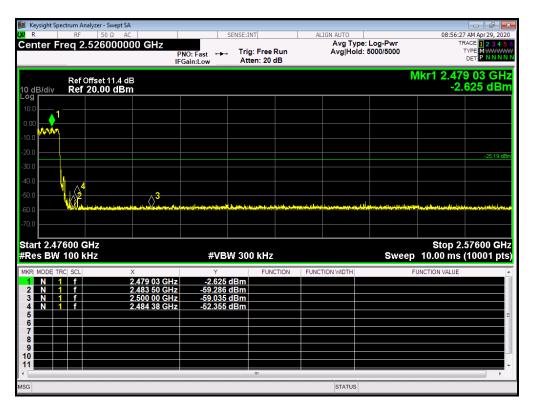
Keysight Spectrum Ar R RF	alyzer - Swept SA 50 Ω AC	SENSE	INT	ALIGN AUTO		02:59:21 PM Apr 26, 2020
	.356000000 GHz	PNO: Fast +++ Tr	ig: Free Run tten: 20 dB		: Log-Pwr 5000/5000	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N
10 dB/div Ref	Dffset 11.32 dB 20.00 dBm				N	lkr1 2.402 05 GHz -0.735 dBm
Log 10.0						1
-10.0						-21 27 dBm
-20.0						j2
-40.0 -50.0	ar Juni Iversia and Anton Security of an Anton		lan tanan di mata ta k	and the second state of the second state		4 3
-70.0						
Start 2.30600 G #Res BW 100 k		#VBW 30	00 kHz		Sweep	Stop 2.40600 GHz 10.00 ms (10001 pts)
MKR         MODE         TRC         SCL           1         N         1         f           2         N         1         f           3         N         1         f           4         N         1         f	× 2.402 05 GH; 2.400 00 GH; 2.390 00 GH; 2.385 76 GH;	z -40.434 dBm z -59.281 dBm		FUNCTION WIDTH	F	JNCTION VALUE
5 5 6 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7						=
9 10 11						
MSG				STATUS		·

		nalyzer - Swept SA										
Center Fi	RF red 2	50 Ω AC .52600000			SENSE:I	NT		AL	IGN AUTO Avg Type	: Log-Pwr		5 PM Apr 26, 2020
Genter T		.52000000		PNO: Fast ↔ FGain:Low		g: Free en: 20 o			Avg Hold:			
10 dB/div		Offset 11.4 dE 20.00 dBm								Ν		0 03 GHz 419 dBm
Log	Kei	20.00 081										
10.0	1											
0.00												
-10.0												
-20.0												-22.90 dDm
-40.0												
-40.0	$\bigvee$											
-60.0	**		3	رالي مساورة وإنام وموجود <sup>رويه</sup>	h <del>a ingi ga sin</del> i				hanan dali kashar jeta da	موال والما الم الم الم الم الم الم الم الم الم		and a state of the state of the state
-70.0												
											<b>-</b>	57000 011
Start 2.47 #Res BW				#V	BW 30	0 kHz				Sweep	Stop 2. 10.00 ms	57600 GHz (10001 pts)
MKR MODE TR			×	Y		FUN	CTION	FUNCT	ION WIDTH	F	UNCTION VALUE	•
1 N 1 2 N 1	f	1	2.480 03 GHz 2.483 50 GHz	-50.28	9 dBm 1 dBm							
3 N 1 4 N 1	f f		2.500 00 GHz 2.483 53 GHz	-59.34	3 dBm 6 dBm							
5												E
7												
8 9												
10												
•						III			1 1			•
MSG									STATUS			



Condition	Mode	Frequency (MHz)	Antenna	Hopping	Max Value (dBc)	Limit	Verdict
				Mode		(dBc)	
NVNT	π/4-DQPSK	2402	Ant 1	Hopping	-54.00	-20	Pass
NVNT	π/4-DQPSK	2480	Ant 1	Hopping	-47.156	-20	Pass

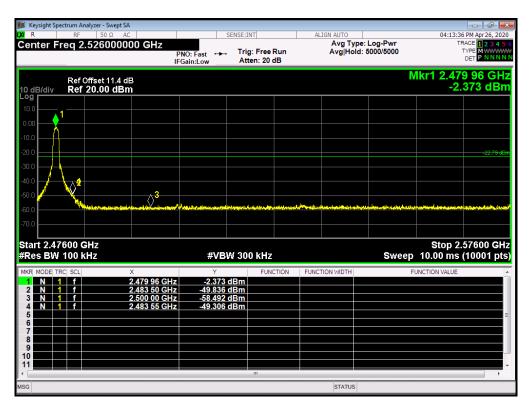
R			ot SA					17.0			
enter		⊮ 50 Ω 2.356000	0000 GHz	PNO: Fast +++	Trig: Free I Atten: 20 d			g Type:	Log-Pwr 5000/5000		RACE 2 3 4 TYPE M
0 dB/di		ef Offset 11.3 ef 20.00 d							N	/kr1 2.40 -0	2 05 G .735 dE
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											<u> </u>
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0.0											
	.30600 W 100			#VBW	/ 300 kHz				Sweep	Stop 2 10.00 ms	.40600 G (10001 p
Res B		) kHz	×	Y	FUNG	CTION	FUNCTION W	IDTH		Stop 2 10.00 ms	.40600 G (10001 p
Res B KR MODE 1 N 2 N	W 100	) kHz	2.402 05 GHz 2.400 00 GHz	۲ -0.735 d -48.081 d	FUNC IBm IBm	CTION	FUNCTION W	IDTH		10.00 ms	.40600 G (10001 p
Res B KR MODE 1 N 2 N 3 N 4 N	W 100	) kHz	2.402 05 GHz	۲ -0.735 d	FUNC IBm IBm	CTION	FUNCTION W	IDTH		10.00 ms	.40600 G (10001 p
Res B KR MODE 1 N 2 N 3 N 4 N 5 6	W 100	) kHz	2.402 05 GHz 2.400 00 GHz 2.390 00 GHz	√ -0.735 d -48.081 d -58.766 d	FUNC IBm IBm	CTION	FUNCTION W			10.00 ms	.40600 G (10001 p
Res         B           1         N           2         N           3         N           4         N           5         6           7         8	W 100	) kHz	2.402 05 GHz 2.400 00 GHz 2.390 00 GHz	√ -0.735 d -48.081 d -58.766 d	FUNC IBm IBm	CTION	FUNCTION W			10.00 ms	.40600 G (10001 p
Res B	W 100	) kHz	2.402 05 GHz 2.400 00 GHz 2.390 00 GHz	√ -0.735 d -48.081 d -58.766 d	FUNC IBm IBm	CTION	FUNCTION W			10.00 ms	.40600 G (10001 p





Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	8DPSK	2402	Ant 1	No-Hopping	-56.572	-20	Pass
NVNT	8DPSK	2480	Ant 1	No-Hopping	-48.786	-20	Pass

R	Ť	RF	alyzer - Swept SA 50 Ω AC			SENSE:INT		ALIGN AUTO		04:01:59 PM Apr 26, 202
enter	Fre	eq 2.	3560000	P	NO: Fast ↔ Gain:Low	Trig: Fre Atten: 2			e: Log-Pwr : 5000/5000	TRACE 1 2 3 4 TYPE MWWW DET PNNN
0 dB/div			offset 11.32 o 20.00 dBm						I	Wkr1 2.401 96 GH -0.707 dBr
og 10.0										1
0.00 10.0										
20.0 <b></b>										-21 21 d
10.0						4				
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tart 2.										Stop 2.40600 GI
Res B	W 1	00 k	Hz		#VB	W 300 kH	Z		Sweep	) 10.00 ms (10001 pt
KR MODE	TRC	SCL		<	Y		JNCTION	FUNCTION WIDTH		FUNCTION VALUE
1 N 2 N	1	f		2.401 96 GHz 2.400 00 GHz	-0.707 -39.355	dBm				
2 N	1	f		2.390 00 GHz	-59.138					
4 N	1	f		2.350 44 GHz	-56.864	dBm				
5 6										
7										
8										
8 9 0										
9										
9										•





Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	8DPSK	2402	Ant 1	Hopping	-54.963	-20	Pass
NVNT	8DPSK	2480	Ant 1	Hopping	-49.634	-20	Pass

		nalyzer - Swept SA											
R enter Fi	<sub>RF</sub> req 2	50 Ω AC 2.35600000	)0 GHz	NO: Fast 🔸 Gain:Low		nt g: Free F ten: 20 d		AL		pe: Log-Pv ld: 5000/50			04 AM Apr 29, 20 TRACE 1 2 3 4 TYPE MWWM DET PNNN
) dB/div		Offset 11.32 c 20.00 dBm									Μ	lkr1 2.40 -0	03 98 GH 0.687 dBi
-9 0.0 1.00													
0.0													PVW
D.O D.O													2 <sup>2</sup> 62 d
).0 ).0				<b>4</b>								3	<u>2</u>
).0 ).0	an faithe factor	والمحد والأنجر والمحدود والمراجع	a na anta ang sa kata ang sa kata ang sa kata	and internet on a second	alemisti lapua,		والمعرادية الم	nin that the state of the state	ana life a far far far far far far far far far f	a and the second second	الفرومة الأخالي	-sin ya Anastan a	we we have the
art 2.30												Stop 2	2.40600 GH
tes BW	100	<b>KHZ</b>		#VB	W 30	0 kHz				S	weep	10.00 ms	; (10001 pt
R MODE TR	RC SCL		× 2.403 98 GHz 2.400 00 GHz	۲ -0.687 -55.752		FUNC	TION	FUNCT	ION WIDTH		FL	JNCTION VALUE	
N 1 N 1	f		2.390 00 GHz 2.337 95 GHz	-58.077 -56.583	dBm								
													E F
									STATUS				

	RF	alyzer - Swept			orauor	-						
R enter F			ac 000 GHz	PNO: Fast IFGain:Lov		ig: Free R tten: 20 d			vg Type	: Log-Pwr 5000/5000	08:5	9:33 AM Apr 29, 20 TRACE 1 2 3 4 TYPE M WWW DET P N N N
) dB/div	Ref C <b>Ref</b> (	)ffset 11.4 <b>20.00 dB</b>	dB Sm								Mkr1 2.4	177 98 GH 2.330 dB
D.O												-23.00 c
3.0												
0.0 0.0	1 ∆4		. 2									
D.O	Winner	ter al la dja de star	Di	an haddeler of helder	بالبلوس واوال وموادره	المعادرة فالإرتباء أحمهم	an akatan	erannae indu	entially (newarth)	unathones and desired in		ويروقه والمحاصر والمروقة والمحاص
1.0												
art 2.47					#VBW 3	00 kHz				Sweep	Stop 10.00 m	2.57600 GI is (10001 pi
tart 2.47 Res BW	100 k		X		Y	FUNC	FION	FUNCTION	WIDTH	-	Stop 10.00 m	is (10001 pi
tart 2.47 Res BW	100 k		2.477 98 GH 2.483 50 GH	z -  z -5	Y 2.330 dBm 8.400 dBm	FUNC	FION	FUNCTION	WDTH	-	10.00 m	2.57600 GH is (10001 pt ie
Tart 2.47 Res BW R MODE TF 1 N 1 2 N 1 3 N 1 4 N 1	100 k		2.477 98 GH	z -5  z -5	۲ 2.330 dBm	FUNC	FION	FUNCTION	WIDTH	-	10.00 m	is (10001 pi
art 2.47 Res BW R MODE TF 1 N 1 2 N 1 3 N 1 4 N 1 5	100 k		2.477 98 GH 2.483 50 GH 2.500 00 GH	z -5  z -5	Y 2.330 dBm 8.400 dBm 8.973 dBm	FUNC	FION	FUNCTION	WIDTH	-	10.00 m	is (10001 pi
tart 2.47 Res BW R MODE TF 1 N 1 2 N 1 3 N 1 4 N 1 5 6 6 7	100 k		2.477 98 GH 2.483 50 GH 2.500 00 GH	z -5  z -5	Y 2.330 dBm 8.400 dBm 8.973 dBm	FUNC	FION	FUNCTION	WIDTH	-	10.00 m	is (10001 pi
tart 2.47 Res BW R MODE TF 1 N 1 2 N 1 3 N 1 4 N 1 5 6 6 7 8 8 9 9	100 k		2.477 98 GH 2.483 50 GH 2.500 00 GH	z -5  z -5	Y 2.330 dBm 8.400 dBm 8.973 dBm	FUNC	FION	FUNCTION	WIDTH	-	10.00 m	is (10001 pi
	100 k		2.477 98 GH 2.483 50 GH 2.500 00 GH	z -5  z -5	Y 2.330 dBm 8.400 dBm 8.973 dBm	FUNC	FION	FUNCTION	WIDTH	-	10.00 m	is (10001 pi



# **11.** Conducted Spurious Emissions

## 11.1. Applied procedures / Limit

15.247(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

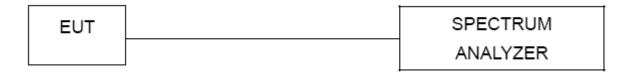
## 11.2. Test procedure

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10<sup>th</sup> harmonic. Typically, several plots are required to cover this entire span. RBW = 100 kHz VBW ≥ RBW, Sweep = auto, Detector function = peak, Trace = max hold sweep points ≥ investigated frequency range/RBW.

## 11.3. Deviation from standard

No deviation.

## 11.4. Test setup



## 11.5. Test results

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2402	Ant 1	-45.586	-20	Pass
NVNT	GFSK	2441	Ant 1	-45.805	-20	Pass
NVNT	GFSK	2480	Ant 1	-43.994	-20	Pass

	pectrum A	Analyzer - Swept SA	\										
LXI R	RF	50 Ω A0			SENSE:I	NT		ALI	GN AUTO				1 PM Apr 26, 2020
Center	Freq ′	12.515000	000 GHz		Tri	g: Free F	Run		Avg Typ Avg Hold	e: Log-Pwr		1	RACE 1 2 3 4 5 6 TYPE M WWWW
				PNO: Fast ++ IFGain:Low		tten: 20							DET P NNNN
											N	lkr1 2 /	02 2 GHz
10 dB/div		Offset 11.32											.429 dBm
	Re	10.00 UBI			1								
0.00	(	<u></u>											
-10.0													
-20.0													-19.73 dBm
-30.0			3										
-40.0			> <mark></mark>										
-50.0				5 <mark>⁴ _ ^</mark>						a hate a select a base state		and the state of the second	Alterna March 1
-60.0	المارسا يرابى		and ball of sectors of	a second and a second as a	the knob	de stande						and the second secon	Children Brand and a state of the little
-70.0	A STREET	الاند <sub>ور ب</sub> يعناطري <mark>ي</mark>											
-80.0													
Start 30	MHz				ļ			ļ				Stor	25.00 GHz
#Res BV		kHz		#VE	W 30	0 kHz				s	weep	2.387 s	(40001 pts)
MKR MODE	TRC SCI		х	Y		FUNC	TION	EUNCT	ION WIDTH		FUN	ICTION VALUE	~
1 N	1 f		2.402 2 GH										
2 N 3 N	1 f		4.804 3 GH		dBm								
4 N	1 1		7.325 6 GH										
5 N	1 f		9.615 4 GH										E
6	_												
8													
9													
10													
•													•
MSG									STATUS				
					_		_	_			_		

#### Tx. Spurious NVNT 2402MHz Ant1 Emission

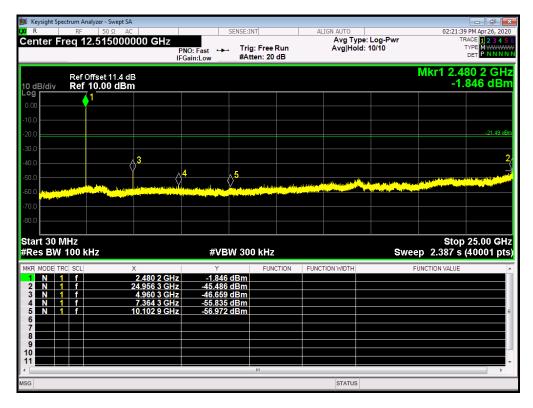
## Tx. Spurious NVNT 2441MHz Ant1 Emission

		nalyzer - Swept SA											
( R Center E	RF	50 Ω AC 2.515000			SENSE:	NT		ALI	IGN AUTO Avg Type	Log-Pwr			PM Apr 26, 202
	req i	2.515000		PNO: Fast +		g: Free tten: 20			Avg Hold:			1	
				IFGalli.LOw	#71		45				Mk	124	10 9 GH
10 dB/div		Offset 11.37 of 10.00 dBn											082 dBn
_ <b>og</b> 0.00		1											
-10.0													
-20.0													-20.51 dB
30.0													
40.0			3										
-50.0		Hu Attac		×	<b>)</b>		as the states	Juli en en la	en de la mente de la constante	()			
60.0 <mark>- 11 - 14 - 1</mark>							<u></u>		a a di di secono di s	<mark>iki , sina , na , nika , ni Nika , nika , n</mark>			
70.0 80.0													
Start 30 I ≉Res BW		Hz		#\	/BW 30	0 kHz				SI	weep 2	Stop .387 s (	25.00 GH 40001 pts
MKR MODE T	RC SCL		x	Y		FUN	CTION	FUNCT	ION WIDTH		FUNCTIO	ON VALUE	
1 N	1 f 1 f		2.440 9 GHz 24.895 1 GHz	z -0.0	82 dBm 10 dBm								
3 N	1 f		4.882 3 GHz	-47.2	34 dBm								
4 N 1	1 f 1 f		7.217 6 GHz 9.576 7 GHz		41 dBm 60 dBm								
6			3.0101 0112	-07.4									
7 8													
9					_								
9													
9						III							•



## Tx. Spurious NVNT 2480MHz Ant1 Emission

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Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	π/4-DQPSK	2402	Ant 1	-44.658	-20	Pass
NVNT	π/4-DQPSK	2441	Ant 1	-44.342	-20	Pass
NVNT	π/4-DQPSK	2480	Ant 1	-43.633	-20	Pass

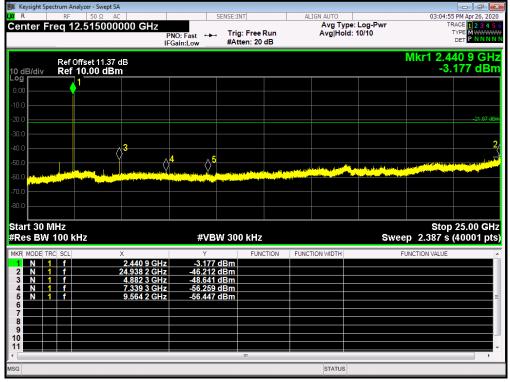
#### Tx. Spurious NVNT 2402MHz Ant1 Emission

🍺 Keysight Spe	ectrum Ana	alyzer - Swept SA		unousit						
LXI R	RF	50 Ω AC			SENSE:INT		ALIGN AUTO			9 PM Apr 26, 2020
Center F	reg 12	2.5150000	000 GHz			_		e: Log-Pwr	TI	RACE 1 2 3 4 5 6
				PNO: Fast 🔸	. Trig: Fre		Avg Hol	d: 10/10		
				FGain:Low	#Atten: 2	UdB				Den je se
	Bofo	ffset 11.32 c	ю						Mkr1 2.4	02 2 GHz
10 dB/div		10.00 dBm							-1.	517 dBm
Log										
0.00	<b>7</b>									
-10.0										
-10.0										
-20.0										-21.20 dBm
-30.0										
			3							2
-40.0		$\longrightarrow$								3
-50.0	<del> </del>			⟩ <sup>4</sup> ^5					Tant Street	Construction of the local difference of the
-60.0 <b></b>	and so he	and the second	and the states and the	Hand and a second second	ultration on televity	alinets of the				All and a star of the
مصدر شرقي	and the second second	and the second secon	-	a she ti the site of the second second second	( in the second s	Contraction of the local distance				
-70.0										
-80.0										
Start 30 N	ЛHz								Stop	25.00 GHz
#Res BW	100 kl	Hz		#VE	W 300 kH	z		Sw	eep 2.387 s	(40001 pts)
MKR MODE TH			x	Y	FL	NCTION	FUNCTION WIDTH		FUNCTION VALUE	
1 N 1			2.402 2 GHz			nonon.			101010101101202	
2 N 1	f		24.945 7 GHz	-45.867	dBm					
3 N 1	f		4.804 3 GHz	-46.070	dBm					
4 N 1			7.316 2 GHz 9.451 2 GHz							
6			3.431 Z GHZ	-30.774	denn					-
7										
8										
9										
11										-
•					III					•
MSG							STATUS			

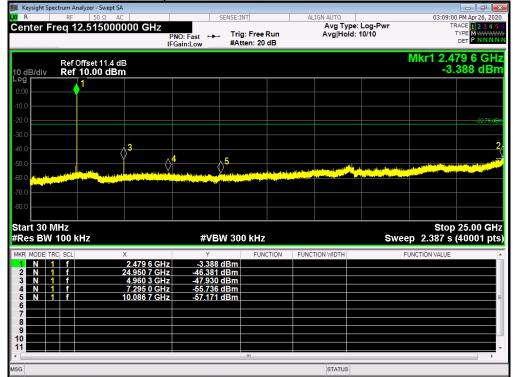


#### Tx. Spurious NVNT 2441MHz Ant1 Emission

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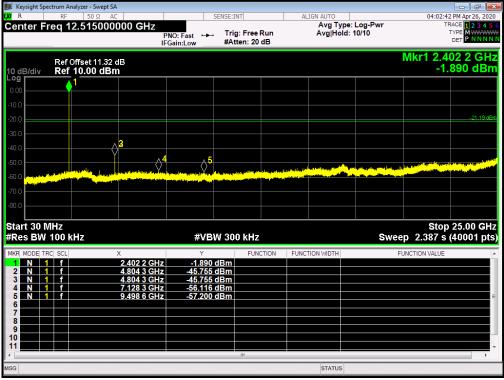
#### Tx. Spurious NVNT 2480MHz Ant1 Emission





Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	8DPSK	2402	Ant 1	-44.564	-20	Pass
NVNT	8DPSK	2441	Ant 1	-44.657	-20	Pass
NVNT	8DPSK	2480	Ant 1	-42.538	-20	Pass

Tx. Spurious	NVNT 2402MHz Ant1 Emission



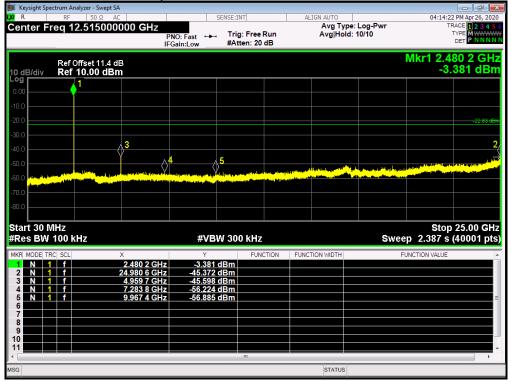
## Tx. Spurious NVNT 2441MHz Ant1 Emission

🚺 Keysight	Spect	rum Ar	nalyzer - Swept SA											
U R	Ì	RF	50 Ω AC			SENSE:	INT		AL1	IGN AUTO		04	1:05:18 PM Apr 26,	
Center	Fre	eq 1	2.515000		PNO: Fast FGain:Low		g: Free tten: 20			Avg Type: Avg Hold:			TRACE 1 2 3 TYPE MWW DET PNN	AWAA
I0 dB/div			Offset 11.37 o 10.00 dBn									Mkr1	2.440 9 G -2.224 dl	iH Br
.00		_	1											
10.0 20.0													-21.6	6 dl
30.0 40.0				3										
50.0					4	<b>^</b> 5	ور مار ا	المتعمر والم	المروب المروبة المرور	and the second states of the second	la antica da contra d			, iii
	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1						and a first of the	i la constituta d	and the second	Laibhean, aibhline I	in a star star si in a star si i			
0.0														
tart 30 Res Bl			Hz		#\	/BW 30	0 kHz				Sw	s veep 2.38	Stop 25.00 C 7 s (40001	Gł pi
KR MODE	TRC	SCL		x	N		FUN	CTION	FUNCT	ION WIDTH		FUNCTION V	ALUE	-
1 N	1	f		2.440 9 GHz		24 dBm								
2 N 3 N	1			24.941 3 GHz 4.882 3 GHz		29 dBm 23 dBm								
4 N	1	f		7.322 5 GHz	-56.5	15 dBm								
5 N 6 7	1	f		9.571 0 GHz	-57.0	157 dBm								
8 9 0														
1							111							•
G										STATUS				-
_	_	_												_



#### Tx. Spurious NVNT 2480MHz Ant1 Emission

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## 12. Antenna Requirement

## 12.1. Standard requirement

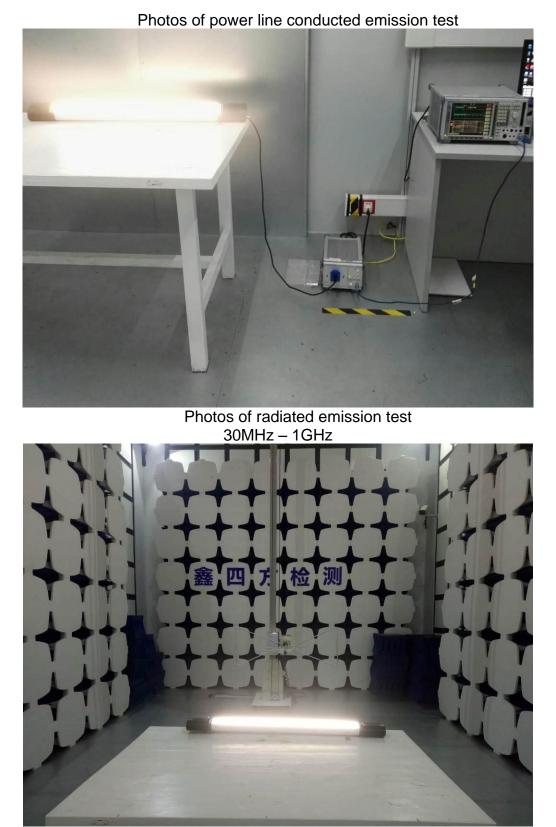
15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. 15.247(c) (1)(i) requirement: (i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiatoris reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

## 12.2. EUT Antenna

The antenna is Integral Antenna and no consideration of replacement. Antenna gain is Maximum 0 dBi from 2.4GHz to 2.5GHz.



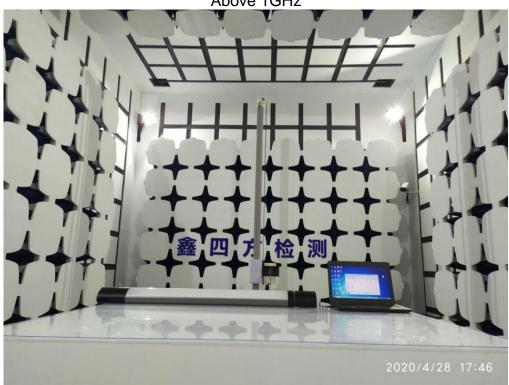
# 13. Test setup photograph



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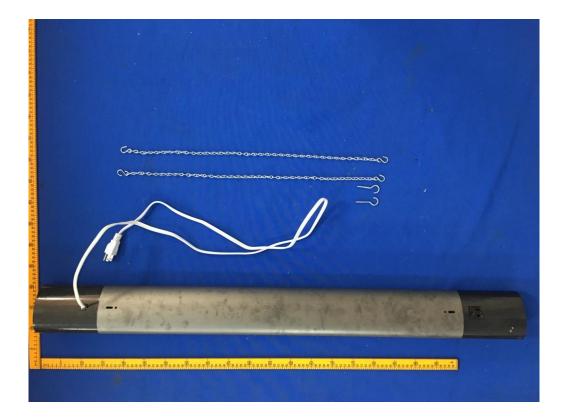


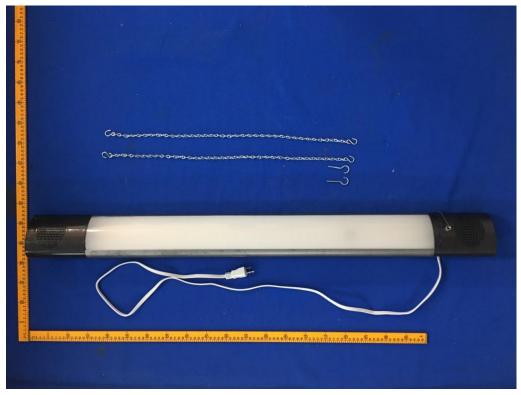
Photos of radiated emission test Above 1GHz





# 14. Photos of the EUT

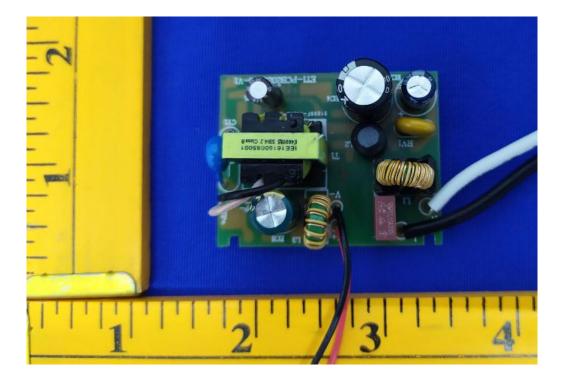






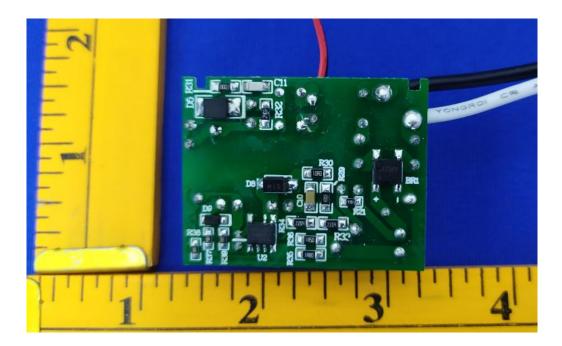






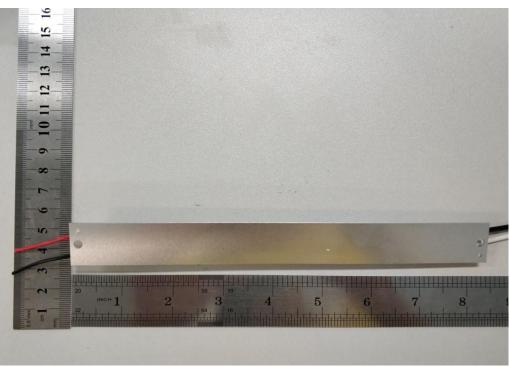


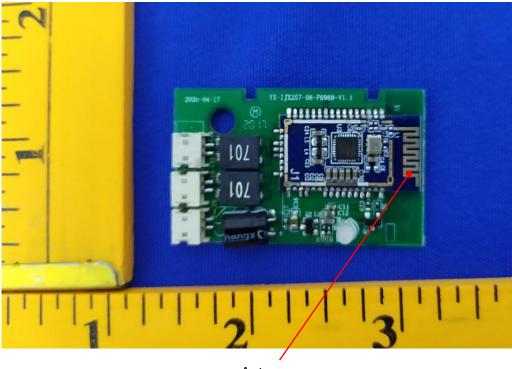






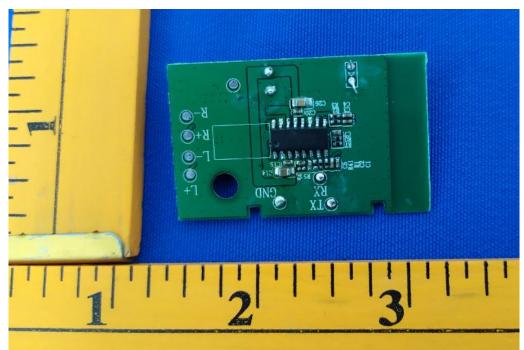






Antenna





--END OF REPORT--