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10. 20 dB Bandwidth

10.1 Block Diagram Of Test Setup



10.2 Limit

N/A

10.3 Test procedure

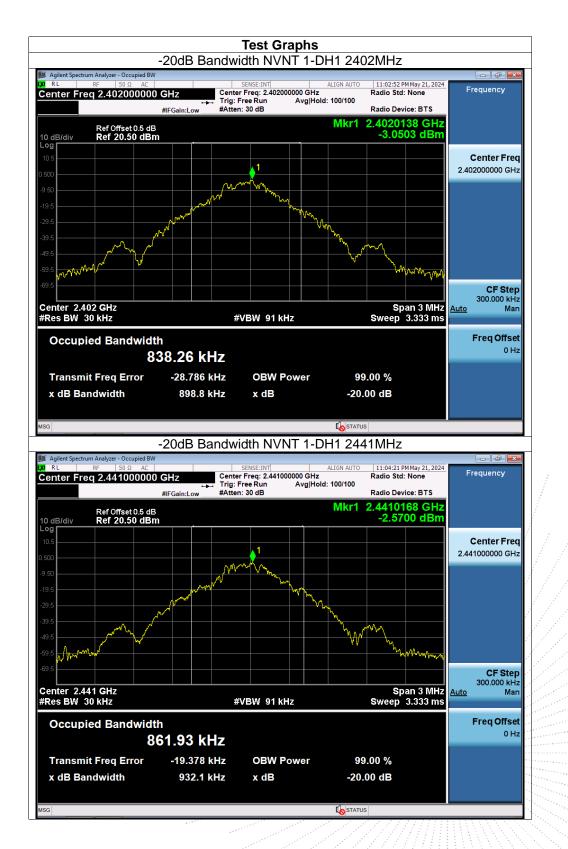
- 1. Set RBW = 30kHz.
- 2. Set the video bandwidth (VBW) \ge 3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.

7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

10.4 Test Result

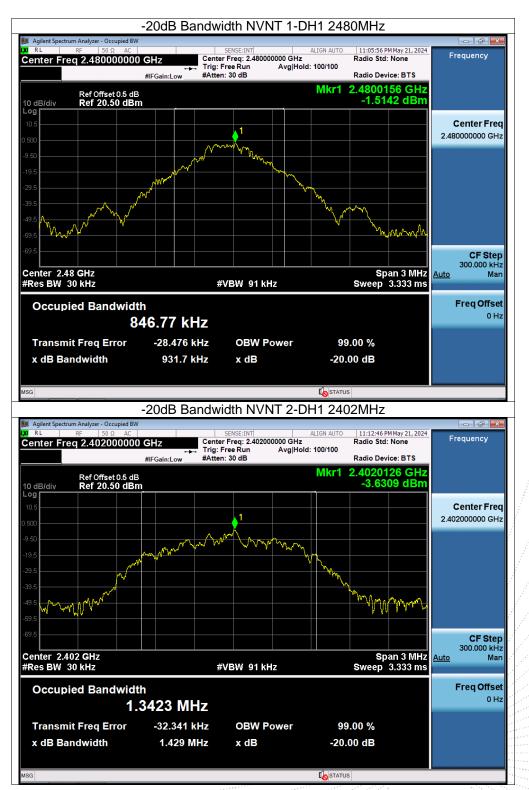
Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	0.899	Pass
NVNT	1-DH1	2441	0.932	Pass
NVNT	1-DH1	2480	0.932	Pass
NVNT	2-DH1	2402	1.429	Pass
NVNT	2-DH1	2441	1.438	Pass
NVNT	2-DH1	2480	1.405	Pass
NVNT	3-DH1	2402	1.434	Pass
NVNT	3-DH1	2441	1.402	Pass
NVNT	3-DH1	2480	1.438	Pass











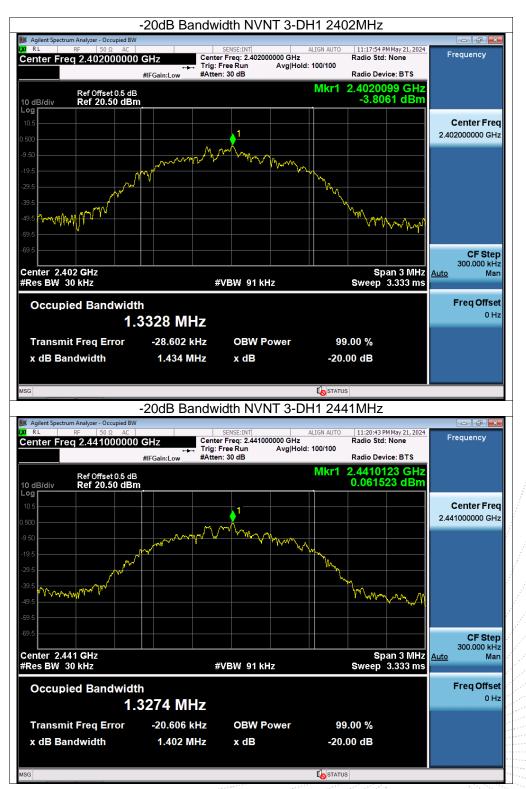






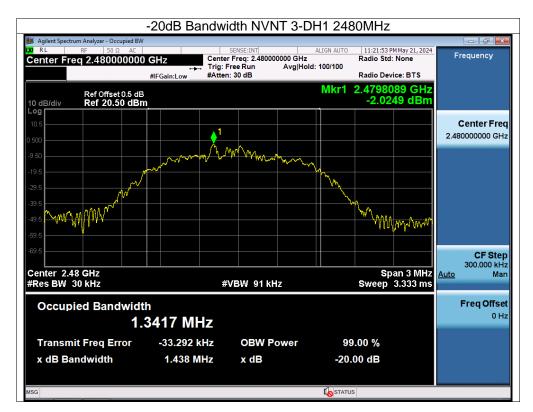
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11. Maximum Peak Output Power

11.1 Block Diagram Of Test Setup

EUT	SPECTRUM
	ANALYZER

11.2 Limit

FCC Part15 (15.247) , Subpart C							
Section	Test Item Limit Frequency Range (MHz) Res						
15.247(b)(1)	Peak Output Power	0.125 watt or 21dBm	2400-2483.5	PASS			

11.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

2. Set the spectrum analyzer: RBW = 2MHz. VBW = 6MHz. Sweep = auto; Detector Function = Peak.

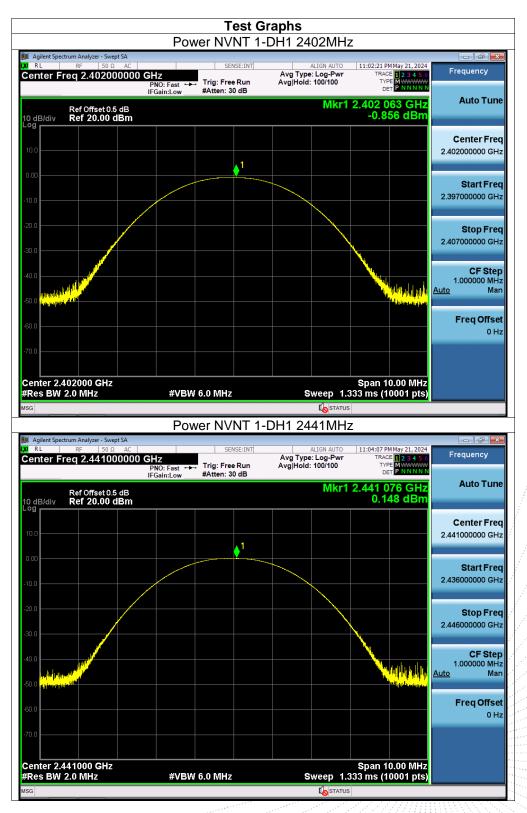
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

11.4 Test Result

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	-0.86	21	Pass
NVNT	1-DH1	2441	0.15	21	Pass
NVNT	1-DH1	2480	1.19	21	Pass
NVNT	2-DH1	2402	0.24	21	Pass
NVNT	2-DH1	2441	1.22	21	Pass
NVNT	2-DH1	2480	2.23	21	Pass
NVNT	3-DH1	2402	0.47	21	Pass
NVNT	3-DH1	2441	1.36	21	Pass
NVNT	3-DH1		2.42	21	Pass

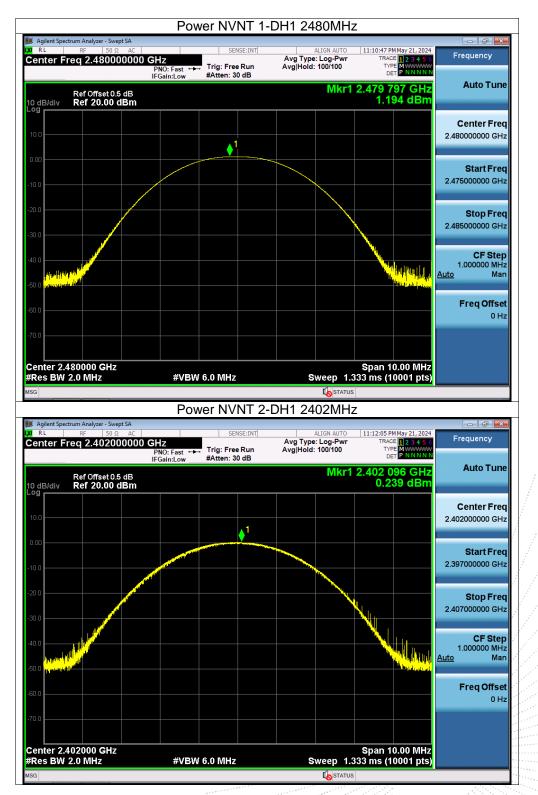
No.: BCTC/RF-EMC-005



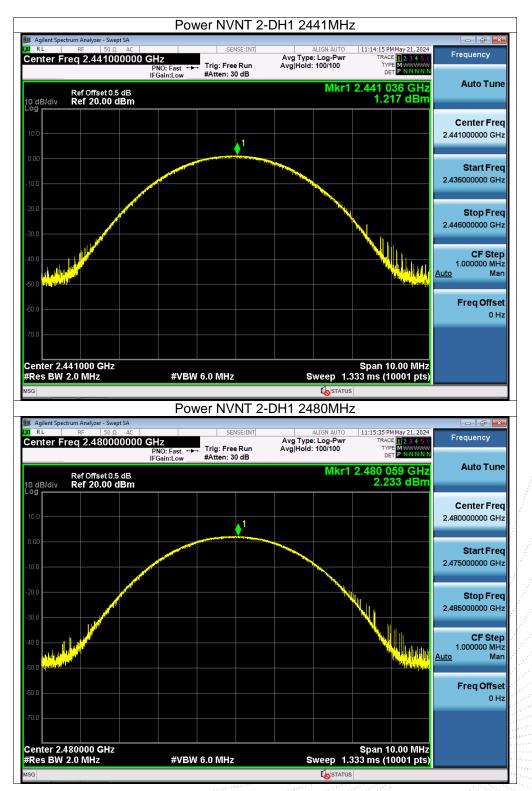


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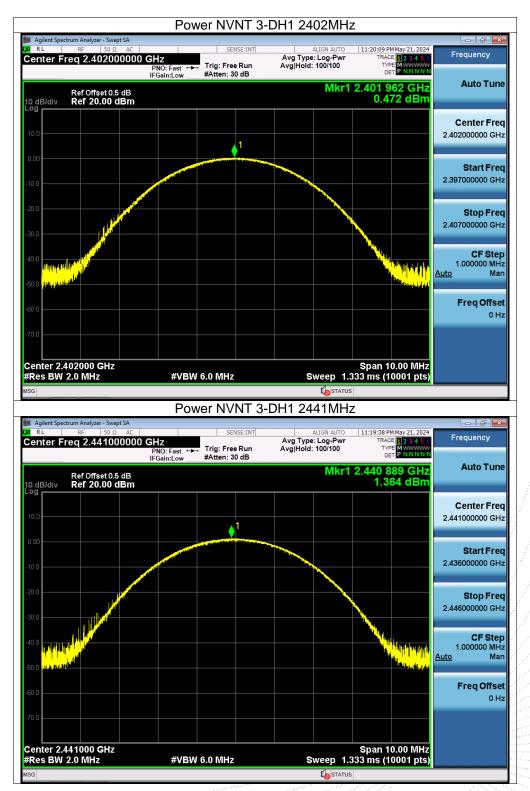


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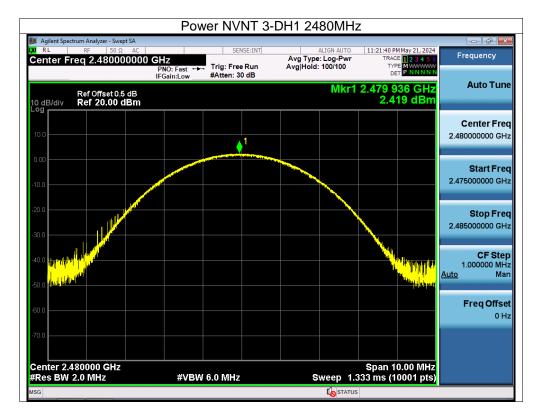
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12. Hopping Channel Separation

12.1 Block Diagram Of Test Setup



12.2 Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 0.125W.

12.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

2. Set the spectrum analyzer: RBW = 30kHz. VBW = 100kHz , Span = 2.0MHz. Sweep = auto; Detector Function = Peak. Trace = Max hold.

3. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section Submit this plot.

Condition	Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	2402.01	2403.008	0.998	0.599	Pass
NVNT	1-DH1	2441.002	2442.004	1.002	0.621	Pass
NVNT	1-DH1	2479.006	2480.01	1.004	0.621	Pass
NVNT	2-DH1	2402.002	2403.004	1.002	0.953	Pass
NVNT	2-DH1	2441.008	2441.998	0.99	0.959	Pass
NVNT	2-DH1	2479.01	2480.01	1	0.937	Pass
NVNT	3-DH1	2402.008	2403.008	1	0.956	Pass
NVNT	3-DH1	2441.012	2442.012	1	0.935	Pass
NVNT	3-DH1	2479.012	2480.01	0.998	0.959	Pass

12.4 Test Result



Agilent Spectrum Analyzer - Sw	vept SA		H1 2402MHz		
enter Freq 2.4025	PNO: Wide	SENSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO : Avg Type: Log-Pwr Avg Hold:>100/100	12:03:35 AM May 22, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNNN	Frequency
Ref Offset 0 dB/div Ref 20.00	l.5 dB dBm		Mkr1 2.	402 010 GHz -2.545 dBm	Auto Tune
			2		Center Fred 2.402500000 GH;
		~~~~			Start Fred 2.401500000 GH:
0.0					<b>Stop Free</b> 2.403500000 GH
enter 2.402500 GH Res BW 30 kHz	z #VBW 1			Span 2.000 MHz 3 ms (1001 pts)	CF Step 200.000 kH <u>Auto</u> Mar
1         N         1         f           2         N         1         f           3         -         -         -           5         -         -         -           6         -         -         -           7         -         -         -           8         -         -         -           9         -         -         -	2.402 010 GHz	2.545 dBm 2.630 dBm			Freq Offse 0 H
1G	CES	" NVNT 1-D	Karatus H1 2441MHz		
	vept SA Ω AC	SENSE:INT		11:26:25 PM May 21, 2024	Frequency
enter Freq 2.4415	PNO: Wide	Trig: Free Run #Atten: 30 dB	Avg Hold:>100/100	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNNN	
			Mkr1 2.	441 002 GHz	Auto Tun
Ref Offset 0 dB/div Ref 20.00	dBm			-2.032 dBm	
0 dB/div Ref 20.00				-2.032 dBm	
0 dB/div Ref 20.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			2.441500000 GH Start Free
Ref Offset 0 0 dB/div Ref 20.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0					2.441500000 GH Start Free 2.440500000 GH
o dB/div Ref 20.00 og og og og og og og og og og	z #VBW 1		Sweep 2.13	Span 2.000 MHz 3 ms (1001 pts)	Center Free 2.441500000 GH Start Free 2.440500000 GH Stop Free 2.442500000 GH CF Step 200.000 kH
enter 2.441500 GH	Z 2.2411002 GHz			5pan 2.000 MHz 3 ms (1001 pts)	2.441500000 GH Start Free 2.440500000 GH Stop Free 2.442500000 GH

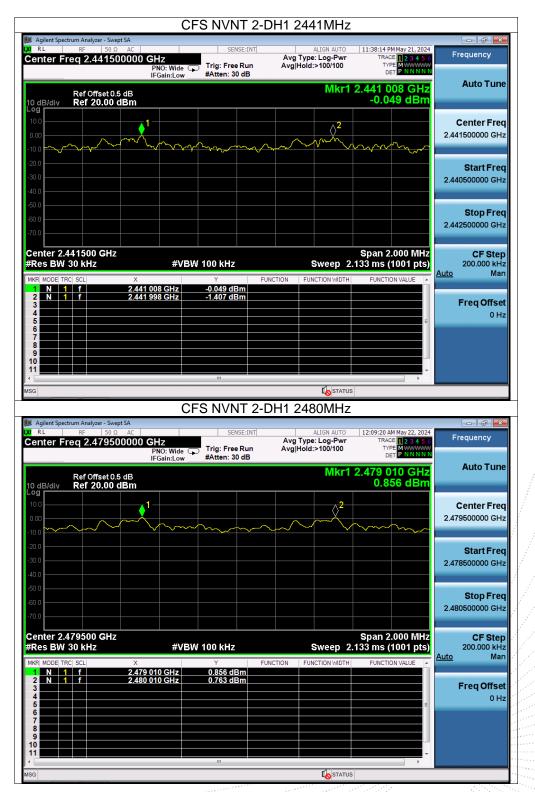












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	CFS NVNT	3-DH1 2480MHz	<u></u>	
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Ω         AC           Center Freq 2.479500000		Avg Type: Log-Pwr	12:07:38 AM May 22, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
Ref Offset 0.5 dB	PNO: Wide Trig: Free Ru IFGain:Low #Atten: 30 dl	3	2.479 012 GHz -1.541 dBm	Auto Tune
10 dB/div Ref 20.00 dBm				<b>Center Free</b> 2.479500000 GH:
-10.0 -20.0 -30.0 -40.0				Start Fred 2.478500000 GH:
-50.0 -60.0 -70.0				<b>Stop Fred</b> 2.480500000 GH:
Center 2.479500 GHz #Res BW 30 kHz	#VBW 100 kHz	Sweep 2	Span 2.000 MHz 2.133 ms (1001 pts)	CF Step 200.000 kH Auto Mar
MKR         MODE  TRC  SCL         X           1         1         f         2.47           2         N         1         f         2.47           3         -         -         2.48           4         -         -         -           5         -         -         -	79 012 GHz -1.541 dBm 80 010 GHz -1.458 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offse
6				
11		STATU	*	

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# 13. Number Of Hopping Frequency

# 13.1 Block Diagram Of Test Setup



# 13.2 Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

# 13.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

2. Set the spectrum analyzer: RBW = 100kHz. VBW = 300kHz. Sweep = auto; Detector Function = Peak. Trace = Max hold.

3. Allow the trace to stabilize. It may prove necessary to break the span up to sections. in order to clearly show all of the hopping frequencies. The limit is specified in one of the subparagraphs of this Section.
4. Set the spectrum analyzer: Start Frequency = 2.4GHz, Stop Frequency = 2.4835GHz. Sweep=auto;

# 13.4 Test Result

Condition	Mode	Hopping Number Limit	Verdict
NVNT	1-DH1	79 15	Pass
NVNT	2-DH1	79 15	Pass
NVNT	3-DH1	79 15	Pass

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	Ησροί	Test G na No. NVNT	<b>raphs</b> ⁻ 1-DH1 2441M	Hz	
📕 Agilent Spectrum Analyzer - Swe 🖬 RL 🛛 RF 50 Ω	pt SA	SENSE:INT	ALIGN AUTO	11:27:51 PM May 21, 2024	
Center Freq 2.4417	PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
Ref Offset 0. 10 dB/div Ref 20.00		#Atten: 30 dB	Mkr1 2.4	402 004 0 GHz -1.596 dBm	Auto Tune
	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA				Center Freq 2.441750000 GHz
-20.0	<u> </u>		49331034110493313411		<b>Start Freq</b> 2.400000000 GHz
-50.0				N	<b>Stop Freq</b> 2.483500000 GHz
Start 2.40000 GHz #Res BW 100 kHz	#VBV	/ 300 kHz		Stop 2.48350 GHz 000 ms (1001 pts)	CF Step 8.350000 MHz <u>Auto</u> Man
1         N         1         f           2         N         1         f           3         -         -         -           4         -         -         -           5         -         -         -           6         -         -         -           7         -         -         -           9         -         -         -           10         -         -         -	2.402 004 0 GHz 2.479 993 0 GHz	-1.596 dBm 0.729 dBm			Freq Offset 0 Hz
11 III		m	STATUS	×	
	Норріг	ng No. NVNT	2-DH1 2441M	Hz	
ଅ Agilent Spectrum Analyzer - Swe RL RF 50 Ω Center Freq 2.4417	AC 50000 GHz PNO: Fast	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	11:40:29 PM May 21, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
Ref Offset 0. 10 dB/div Ref 20.00		#Atten: 30 dB	Mkr1 2.4	401 837 0 GHz 0.584 dBm	Auto Tune
- <b>og</b> 10.0 1 0.00 / <b>1</b> / <b>1</b> / <b>1</b>	hhinn hann	ᡧᢧᠰᡧᢑᡀᠰ᠕ᠺᠺᠺᠰ	M.M.M.M.M.M.M.M.M.M.M.M.M.M.M.M.M.M.M.		Center Fred 2.441750000 GH:
-20.0					Start Fred 2.400000000 GHz
50.0 60.0 -70.0					Stop Fred 2.483500000 GH2
Start 2.40000 GHz #Res BW 100 kHz	#VBV	/ 300 kHz		top 2.48350 GHz 000 ms (1001 pts)	CF Step 8.350000 MHz
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 4	X 2.401 837 0 GHz 2.480 327 0 GHz	Y FU 0.584 dBm -1.148 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Man Freq Offset 0 Hz
5 6 7 8 9 10					
11		m	STATUS	• •	



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Hopping No. NVNT 3-DH1 2441MHz							
J Agilent Spectrum Analyzer - Swept SA		SENSE:INT	ALIGN AUTO	11:51:00 PM May 21, 2024			
Center Freq 2.44175000	00 GHz	Trig: Free Run	Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 1 2 3 4 5 6	Frequency		
	PNO: Fast 😱 IFGain:Low	#Atten: 30 dB		DET P NNNNN	Auto Tune		
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm	dB/div Ref 20.00 dBm -0.5/1 dBm						
10.0 10.0					Center Freq		
	non white	MANNAMAN	what when a state of the state	mmmm	2.441750000 GHz		
-10.0							
-20.0					Start Freq		
-30.0					2.40000000 GHz		
-50.0							
-60.0					Stop Freq 2.483500000 GHz		
-70.0					2		
Start 2.40000 GHz #Res BW 100 kHz	#VBW :	300 kHz	Sweep 8	Stop 2.48350 GHz 3.000 ms (1001 pts)	CF Step 8.350000 MHz		
	X I		JNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man		
2 N 1 f 2.47	01 920 5 GHz 79 993 0 GHz	-0.571 dBm 2.571 dBm			Freq Offset		
3					0 Hz		
6 7				=			
8							
10							
MSG			🚺 STATU	IS			



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# 14. Dwell Time

# 14.1 Block Diagram Of Test Setup



# 14.2 Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

#### 14.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

2. Set spectrum analyzer span = 0. Centred on a hopping channel;

3. Set RBW = 1MHz and VBW = 3MHz.Sweep = as necessary to capture the entire dwell time per hopping channel. Set the EUT for DH5, DH3 and DH1 packet transmitting.

4. Use the marker-delta function to determine the dwell time. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

#### 14.4 Test Result

DH5 Packet permit maximum 1600 / 79 / 6 hops per second in each channel (5 time slots RX, 1 time slot TX).

DH3 Packet permit maximum 1600 / 79 / 4 hops per second in each channel (3 time slots RX, 1 time slot TX).

DH1 Packet permit maximum 1600 / 79 /2 hops per second in each channel (1 time slot RX, 1 time slot TX). So, the Dwell Time can be calculated as follows:

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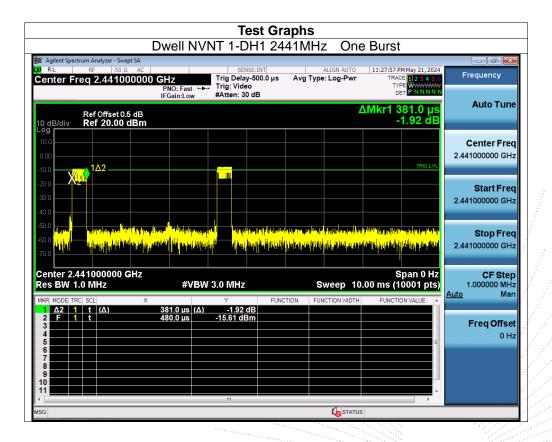
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Condition	Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	0.381	121.158	318	31600	400	Pass
NVNT	1-DH3	2441	1.637	263.557	161	31600	400	Pass
NVNT	1-DH5	2441	2.885	302.925	105	31600	400	Pass
NVNT	2-DH1	2441	0.389	122.924	316	31600	400	Pass
NVNT	2-DH3	2441	1.642	254.51	155	31600	400	Pass
NVNT	2-DH5	2441	2.889	309.123	107	31600	400	Pass
NVNT	3-DH1	2441	0.39	124.02	318	31600	400	Pass
NVNT	3-DH3	2441	1.64	257.48	157	31600	400	Pass
NVNT	3-DH5	2441	2.891	329.574	114	31600	400	Pass





	Dwell	NVNT 1-DH	I3 2441MI	Hz One	e Burst	
🎉 Agilent Spectrum Analyzer - Sw						- đ 🔀
IM         RL         RF         50           Center Freq 2.4410		SENSE: Trig Delay-5		ALIGN AUTO	11:55:01 PM May 21, 2024 TRACE 1 2 3 4 5 0	
	PNO: Fas	t 🛶 Trig: Video	-			
	IFGain:Lo	W #Atten: 30 di	5		Mkr1 1.637 ms	Auto Tune
Ref Offset 0 10 dB/div Ref 20.00					1.32 dB	
10.0						Center Freq
0.00						2.441000000 GHz
	1∆2				TRIG LVL	
-10.0 -20.0 <b>X2</b>						
-30.0						Start Freq
-40.0						2.441000000 GHz
-50.0 <mark>17 19 19 1</mark>	THE PROPERTY OF	and the state of the second	and terrel in the industries of the second	nd phillipping and	al Designer and a block of a light	Stop Freq
-60.0 <mark>• 114</mark>	<mark>terresta de la constance de la const</mark>	<mark>deles philips, de de constant</mark>	<mark>na, halilakan ang kanalakan kuta</mark> t	<mark>a sultanti ppipita</mark>	والمأراب أعالكم والمرار أحضوا كالزعرار والمراك	2.441000000 GHz
-70.0						
Center 2.441000000	GHz				Span 0 Hz	CF Step
Res BW 1.0 MHz	#	VBW 3.0 MHz		Sweep 10	.00 ms (10001 pts)	1.000000 MHz
MKR MODE TRC SCL	х	Y		FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man
1 Δ2 1 t (Δ) 2 F 1 t	<u>1.637 ms</u> 484.0 us					
3	404.0 μ3	-10.11 dBill				Freq Offset
4 5					=	0 Hz
6						
8						
9						
11						
				<b>1</b>	•	
nsg 🚺 Status						

# 

D	well NVNT 1-DH5	2441MHz One	e Burst	
	HZ PNO: Fast →→ FGain:Low #Atten: 30 dB	ALIGN AUTO Is Avg Type: Log-Pwr	11:56:01 PM May 21, 2024 TRACE <b>1 2 3 4 5 6</b> TYPE WWWWW DET <b>P N N N N</b>	Frequency
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm		۵	Mkr1 2.885 ms -5.61 dB	Auto Tun
Log 10.0 0.00 -10.0	1Δ2		TRIG LVL	Center Fre 2.441000000 G⊦
-20.0				<b>Start Fre</b> 2.441000000 GF
-50.0 APRIL -60.0 APRIL -70.0	na dharan da ferran baran baran a partikina natani ang tini da da alamidi	na pri	and the second	<b>Stop Fre</b> 2.441000000 GH
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 10	Span 0 Hz .00 ms (10001 pts)	CF Ste 1.000000 MI
	.885 ms (Δ) -5.61 dB I84.0 μs -11.85 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto M
3 4 5			=	Freq Offs 01
6 7 8 9 10				
11			· ·	



	[	Dwell NV	/NT 2-DF	11 2441	MHz Or	e Burst		
LXI RL	rum Analyzer - Swept SA RF 50 Ω AC eq 2.441000000	GHz PNO: Fast ↔	SENSE: Trig Delay-5		ALIGN AUTO	TRACE TYPE	<b>2345</b> 6	Frequency
10 dB/div	Ref Offset 0.5 dB Ref 20.00 dBm	IFGain:Low	#Atten: 30 d	B		ΔMkr1 38	<u> </u>	Auto Tune
10.0 0.00	<u>1</u> ∆2						TRIG LVL	Center Fred 2.441000000 GHz
-20.0 -30.0 -40.0								Start Fred 2.441000000 GHz
-50.0 -60.0 -70.0	the first of the second se The second s		n <mark>na shi da da da da da shi</mark> Na shi ta	Lab.	<mark>de la proposición de la proposición de A proposición de la pr</mark>	tin <mark>(n.</mark>	<mark>h lan hann</mark> <mark>Hannin ()</mark>	<b>Stop Fred</b> 2.441000000 GH;
Center 2.4 Res BW 1.	41000000 GHz 0 MHz	#VBV	V 3.0 MHz		Sweep 1	Spa 0.00 ms (100	an 0 Hz 101 pts)	CF Step 1.000000 MH: Auto Mar
MKR         MODE         TRC           1         A2         1           2         F         1           3	t (Δ)	389.0 μs (Δ) 497.0 μs	¥ 2.29 dB -0.14 dBm	FUNCTION	FUNCTION WIDT	H FUNCTION	VALUE	Freq Offse 0 H
MSG					<b>K</b> STAT	US	,	

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	Dweil	NVNT 2-DH	3 244110	ihz One	e Burst	
Agilent Spectrum Analyzer - S R RL RF 50 Center Freq 2.441	0Ω AC 000000 GHz	SENSE:II Trig Delay-50 ast → Trig: Video Low #Atten: 30 dB	0.0 µs Avg	ALIGN AUTO Type: Log-Pwr	11:57:17 PM May 21, 2024 TRACE 1 2 3 4 5 0 TYPE WWWWWW DET P N N N N	Frequency
Ref Offset 10 dB/div Ref 20.0	:0.5 dB		, 	Δ	Mkr1 1.642 ms 4.52 dB	Auto Tur
-og 10.0 0.00 -10.0 X2	1Δ2				TRIG LVL	Center Fre 2.441000000 GF
20.0						<b>Start Fre</b> 2.441000000 GH
50.0 (1997) 60.0 (1997) 70.0	There is a second second	kalanan alah madalani na dalah ma		and the second	and the second of the second	<b>Stop Fre</b> 2.441000000 GH
		#VBW 3.0 MHz		Sweep 10	Span 0 Hz 00 ms (10001 pts)	1.000000 MI
Res BW 1.0 MHz		r ns (Δ) 4.52 dB	FUNCTION	Sweep 10		1.000000 Mi Auto Mi Freq Offs
2 F 1 t 3 4	× 1.642 m	r ns (Δ) 4.52 dB	FUNCTION		.00 ms (10001 pts)	CF Ste 1.00000 MH Auto Mi Freq Offs 0 H



Dv	vell NVNT 2-DH5	2441MHz One	e Burst	
	NO: Fast ++++ Trig: Video	ALIGN AUTO	11:58:17 PM May 21, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Frequency
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm	Gain:Low#Atten: 30 dB	L	Mkr1 2.889 ms 3.01 dB	Auto Tune
	1Δ2		TRIG LVL	Center Freq 2.441000000 GHz
-20.0 -30.0 -40.0				<b>Start Freq</b> 2.441000000 GHz
-50.0 404 -60.0 404 -70.0	tan basal tanan sebesar kina serekti dan dan sebesar bi Tanan sebesar basal tanan sebesar basal tanan sebesar basa Tanan sebesar basal tanan sebesar basa sebesar basa	and the second	A second s	<b>Stop Freq</b> 2.441000000 GHz
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 10	Span 0 Hz 0.00 ms (10001 pts)	CF Step 1.000000 MHz Auto Man
	889 ms (Δ) 3.01 dB 59.0 μs -13.11 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset
6 7 8 9 10				
11 MSG	III	STATU:	5	

#### Dwell NVNT 3-DH1 2441MHz One Burst RL Frequency Trig Delay-500.0 µs ∴ Trig: Video #Atten: 30 dB Center Freq 2.441000000 GHz PNO: Fast Avg Type: Log-Pwr TYPE DET Auto Tune ΔMkr1 390.0 μs -0.85 dB Ref Offset 0.5 dB Ref 20.00 dBm **Center Freq** 2.441000000 GHz 1<u></u>2 Start Freq 2.441000000 GHz Stop Freq ana na palanta na ataona at d App of the bird in the part of the 2.441000000 GHz Center 2.441000000 GHz Res BW 1.0 MHz Span 0 Hz Sweep 10.00 ms (10001 pts) CF Step 1.000000 MHz #VBW 3.0 MHz Man <u>Auto</u> 390.0 μs (Δ) 479.0 μs -0.85 dB -10.44 dBm Δ2 1 t (Δ) F 1 t Freq Offset 0 Hz

# HENZHE

STATUS



	D	well NVI	NT 3-DH	3 2441N	1Hz O	ne Burst		
Agilent Spectrum A		Hz	SENSE:1		ALIGN AUT	r TRA	M May 21, 2024	Frequency
Contor Freq.		PNO: Fast ↔↔ FGain:Low	Trig: Video #Atten: 30 dE	3		ΔMkr1 1	PE WWWWWW ET PNNNNN	Auto Tune
	Offset 0.5 dB f 20.00 dBm						1.63 dB	
10.0 0.00 -10.0	142						TRIG LVL	Center Fred 2.441000000 GHz
-20.0								Start Fred 2.441000000 GHz
-50.0	ing a second	1 A A A A A A A A A A A A A A A A A A A	n Manana kata pa			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>Stop Fred</b> 2.441000000 GHz
Center 2.4410 Res BW 1.0 M		#VBW	3.0 MHz		Sweep	s 10.00 ms (1	pan 0 Hz 0001 pts)	CF Step 1.000000 MHz Auto Man
MKR MODE TRC SCL 1 Δ2 1 t 2 F 1 t 3	(Δ) 1	.640 ms (Δ) 184.0 μs	Ƴ <u>1.63 dB</u> -9.34 dBm	FUNCTION	FUNCTION WID	TH FUNCTI	ON VALUE	Freq Offset
4							E	0 Hz
7 8 9 10								
11								
MSG					🕼 STA	TUS		

#### Dwell NVNT 3-DH5 2441MHz One Burst L Agil RL 12:00:15 AM May 22, 2024 ALIGN AUTO Avg Type: Log-Pwr Frequency Trig Delay-500.0 μs Trig: Video #Atten: 30 dB Center Freq 2.441000000 GHz 1234 TYP PNO: Fast • IFGain:Low DET Auto Tune ΔMkr1 2.891 ms 2.79 dB Ref Offset 0.5 dB Ref 20.00 dBm l0 dB/di .og **Center Freq** 1<u>∆</u>2 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq dah manya kanya 2.441000000 GHz Center 2.441000000 GHz Res BW 1.0 MHz Span 0 Hz Sweep 10.00 ms (10001 pts) CF Step 1.000000 MHz Man #VBW 3.0 MHz <u>Auto</u> 2.891 ms (Δ) 484.0 μs 2.79 dE -10.41 dBm 2 <u>1</u> t (Δ) Freq Offset 0 Hz **STATUS**



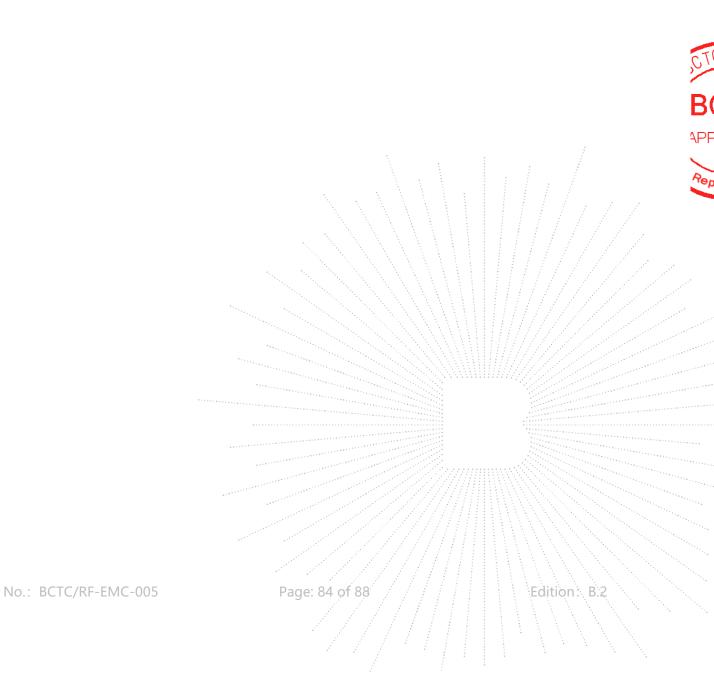
# 15. Antenna Requirement

# 15.1 Limit

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.

# 15.2 Test Result

The EUT antenna is Internal antenna, fulfill the requirement of this section.





# 16. EUT Photographs

EUT Photo 1



NOTE: Appendix-Photographs Of EUT Constructional Details.

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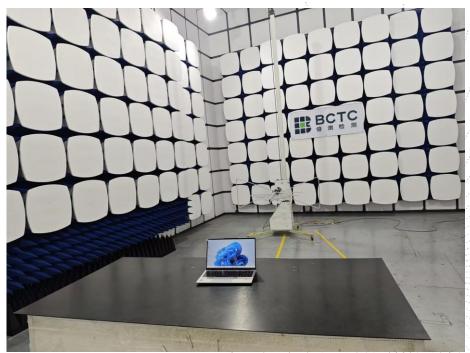


# 17. EUT Test Setup Photographs

# **Conducted Measurement Photo**



#### Radiated Measurement Photos



No.: BCTC/RF-EMC-005

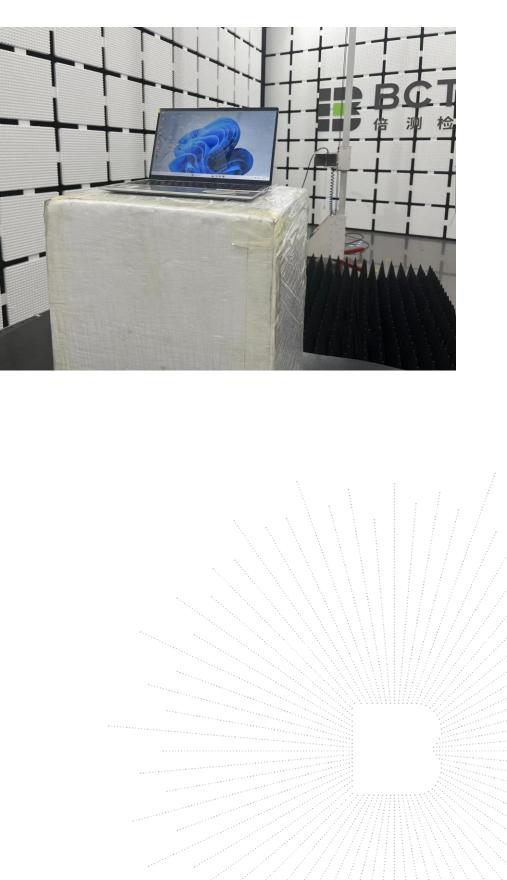
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TC VE

Sea





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# STATEMENT

1. The equipment lists are traceable to the national reference standards.

2. The test report can not be partially copied unless prior written approval is issued from our lab.

3. The test report is invalid without the "special seal for inspection and testing".

4. The test report is invalid without the signature of the approver.

5. The test process and test result is only related to the Unit Under Test.

6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.

7. The quality system of our laboratory is in accordance with ISO/IEC17025.

8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address:

1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

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Website: http://www.chnbctc.com

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Complaint/Advice E-mail: advice@bctc-lab.com.cn

***** END *****

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