

	Норр	ing No. NVN	IT 3-DH1 2441	MHz	
Magilent Spectrum Analyzer - Sv	1				- đ <mark>- x</mark>
Center Freg 2.441	Ω AC 750000 GHz	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	10:51:45 PM Apr 07, 2025 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Hold:>100/100		
Ref Offset : 10 dB/div Ref 20.00			Mkr1 2	2.401 837 0 GHz 3.553 dBm	Auto Tune
Log 10.0 1 0.00 1 - 10.0	ᢣᡗᡁᡐᠵᡍᡘ᠊ᡘᠯᡐᠶᡎ	the second s	www.www.www.www		Center Freq 2.441750000 GHz
-20.0 -30.0 -40.0 <mark>//</mark>					Start Freq 2.400000000 GHz
-50.0				h.	Stop Freq 2.483500000 GHz
Start 2.40000 GHz #Res BW 100 kHz	#VE	SW 300 kHz	Sweep 3	Stop 2.48350 GHz 3.000 ms (1001 pts)	CF Step 8.350000 MHz Auto Man
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3	X 2.401 837 0 GHz 2.480 160 0 GHz	Y 3.553 dBm 3.718 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset
4 5 6 7 8 9 9					0 Hz
MSG			STATL	IS	

No.: BCTC/RF-EMC-005

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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.

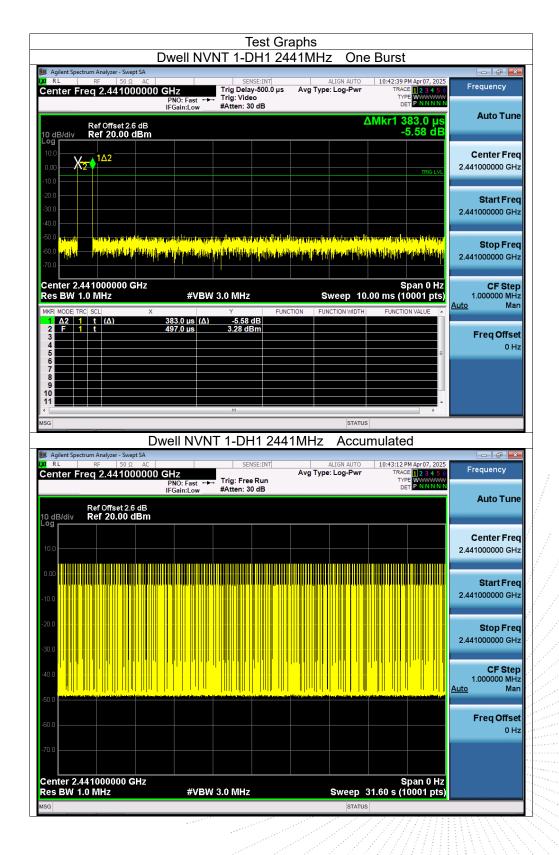
4. Use the marker-delta function to determine the dwell time. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH1	2441	0.383	122.177	319	31600	400	Pass
1-DH3	2441	1.639	267.157	163	31600	400	Pass
1-DH5	2441	2.887	280.039	97	31600	400	Pass
2-DH1	2441	0.392	124.656	318	31600	400	Pass
2-DH3	2441	1.643	261.237	159	31600	400	Pass
2-DH5	2441	2.891	303.555	105	31600	400	Pass
3-DH1	2441	0.391	123.556	316	31600	400	Pass
3-DH3	2441	1.642	256.152	156	31600	400	Pass
3-DH5	2441	2.894	269.142	93	31600	400	Pass

14.4 Test Result

Note: Total Dwell Time (ms) = Pulse Time (ms)*Burst Count







	Dwell NVN	IT 1-DH3	2441MH	z One	Burst	
Agilent Spectrum Analyzer - Swept SA IXI R.L RF 50 Ω AC		SENSE:INT		ALIGN AUTO	10:53:31 PM Apr 07, 2025	
Center Freq 2.44100000	0 GHz PNO: Fast ↔→ IFGain:Low	Trig Delay-500.0 Trig: Video #Atten: 30 dB	µs Avg Type	e: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE WWWWW DET P NNNN	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm				Δ	Mkr1 1.639 ms -0.93 dB	Auto Tune
Log 10.0						Center Freq
0.00	<u>\2</u>				TRIG LVL	2.441000000 GHz
-20.0						Start Freq
-40.0						2.441000000 GHz
	dialed in a birry family it don't	<u>มีสไหร่งกุรได้ส่ำการสาวารการ</u>	a linn head to the		interentitiefetstelleturitiefenstiten winger	Stop Freq
-60.0 -70.0	<mark>dente ling i del presidita e la presidente del presidente del presidente del presidente del presidente del presi</mark>	ikiii kiinin ph ⁱ nin pailiin		<mark>m mahin han</mark>	People and public the	2.441000000 GHz
Center 2.441000000 GHz					Span 0 Hz	CF Step
Res BW 1.0 MHz	#VBW 3	3.0 MHz	s	weep 10.	00 ms (10001 pts)	1.000000 MHz Auto Man
MKR MODE TRC SCL X 1 Δ2 1 t (Δ)	1.639 ms (Δ) 496.0 μs	Ƴ -0.93 dB	FUNCTION FUN	ICTION WIDTH	FUNCTION VALUE	
2 F 1 t	496.0 µs	-7.67 dBm				Freq Offset
4 5 6					E	0 Hz
7						
9						
11						
MSG				STATUS		
	Owell NVNT	1-DH3 2	441MHz	Accur	nulated	
Image: Again and the sector of the		SENSE:INT		ALIGN AUTO	10:54:04 PM Apr 07, 2025	Frequency
		Trig: Free Run	Avg Type	e: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE WWWWW DET P N N N N	
Center Freq 2.44100000	PNO: Fast	#Atten: 30 dB			521	
Ref Offset 2.6 dB	PNO: Fast ++++					Auto Tune
Ref Offset 2.6 dB	PNO: Fast ++++					
Ref Offset 2.6 dB	PNO: Fast ++++					Auto Tune
Ref Offset 2.6 dB 10 dE/div Ref 20.00 dBm	PNO: Fast ++++					Auto Tune Center Freq 2.441000000 GHz
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm 10.0 0.00	PNO: Fast ++++					Auto Tune Center Freq 2.441000000 GHz Start Freq
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm 10.0	PNO: Fast ++++					Auto Tune Center Freq 2.441000000 GHz
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm 10 d0 10.00 10.0 0.00	PNO: Fast ++++					Auto Tune Center Freq 2.441000000 GHz Start Freq
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm 10.0	PNO: Fast ++++					Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm 10.0 10.0 10.0 10.0 10.0 10.0	PNO: Fast ++++					Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm 10.0 0.00 10.0 -20.0	PNO: Fast ++++					Auto Tune Center Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz CF Step 1.000000 MHz
Ref Offset 2.6 dB Ref 20.00 dBm	PNO: Fast ++++					Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz
Ref Offset 2.6 dB 10 dB/div 10.0 10.0 10.0 10.0 -20.0 -30.0 -40.0 -50.0	PNO: Fast ++++					Auto Tune Center Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man Freq Offset
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm 10.0	PNO: Fast ++++					Start Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz Auto
Ref Offset 2.6 dB 10 dB/div 10 0 0 00 0 00 -20.0 -30.0 -40.0	PNO: Fast ++++					Auto Tune Center Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man Freq Offset
Ref Offset 2.6 dB 10 dB/div 10.0 10.0 -0.00 -10.0 -20.0 -30.0 -40.0 -60.0 -70.0	PNO: Fast ++++					Auto Tune Center Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man Freq Offset
Ref Offset 2.6 dB 10 dB/div 10.0 10.0 0.00 -20.0 -30.0 -40.0 -50.0 -60.0	PNO: Fast ++++	#Atten: 30 dB		Sweep 3	Span 0 Hz 1.60 s (10001 pts)	Auto Tune Center Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man Freq Offset

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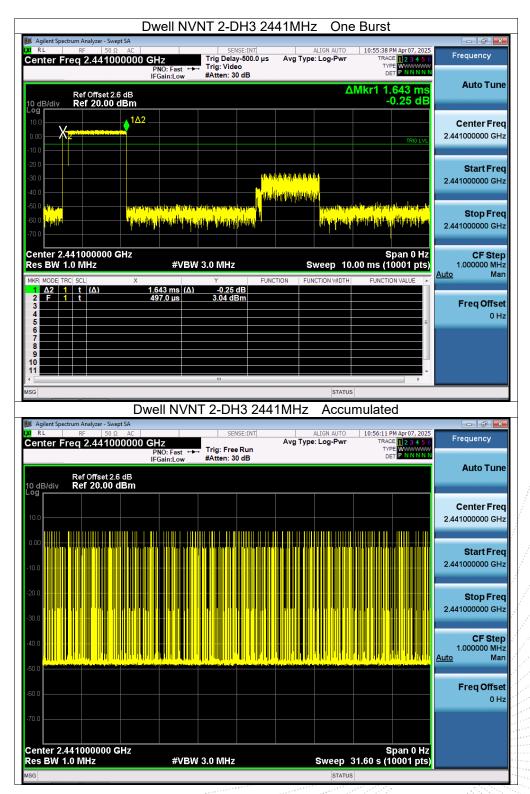


	ell NVNT 1-DH5 2	441MHz On	e Burst	
Magilent Spectrum Analyzer - Swept SA	SENSE:INT	ALIGN AUTO	10:54:18 PM Apr 07, 2025	
Center Freq 2.441000000 GH:	Trig Delay-500.0 μ D: Fast ↔ Trig: Video ain:Low #Atten: 30 dB	s Avg Type: Log-Pwr	TRACE 123456 TYPE DET PNNNNN	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm		1	∆Mkr1 2.887 ms -1.95 dB	Auto Tune
10.0 0.00 -10.0	1Δ2		TRIG LVL	Center Freq 2.441000000 GHz
-20.0				Start Freq 2.441000000 GHz
-40.0		Haa Nasharan ay ka si ka baha si ka sa		Stop Freq
-70.0 Center 2.441000000 GHz	Linustailin faile in thati na kulturi	ni felini kanala na madarata 1994 an d	Span 0 Hz	2.441000000 GHz CF Step
	#VBW 3.0 MHz	Sweep 1	0.00 ms (10001 pts)	1.000000 MHz <u>Auto</u> Man
1 Δ2 1 t (Δ) 2.88 2 F 1 t 496 3 3 4 496 3 4 <t< td=""><td>7 ms (Δ) -1.95 dB .0 μs -7.87 dBm</td><td></td><td></td><td>Freq Offset 0 Hz</td></t<>	7 ms (Δ) -1.95 dB .0 μs -7.87 dBm			Freq Offset 0 Hz
5 6 7 8 9				
	m			
MSG		STATU		
Dwel	I NVNT 1-DH5 24	41MHz Accu	umulated	
M RL RF 50Ω AC Center Freq 2.441000000 GH: PN	SENSE:INT D: Fast →→→ iin:Low #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr	10:54:52 PM Apr 07, 2025 TRACE 1 2 3 4 5 6 TYPE WWWWWWW DET P N N N N	Frequency
Ref Offset 2.6 dB	In:Low writen of ab			Auto Tune
10.0				Center Freq 2.441000000 GHz
0.00 				Start Freq 2.441000000 GHz
-20.0				Stop Freq 2.441000000 GHz
-40.0				CF Step 1.000000 MHz <u>Auto</u> Man
-50.0		and the state of the		Freq Offset
-70.0				
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz		Span 0 Hz 31.60 s (10001 pts)	
MSG		STATU	19	



Agilent Spectrum Analyzer - Swep	AC	SENSE:IN		ALIGN AUTO	10:46:45 PM		
Center Freq 2.44100	IOOOO GHZ PNO: Fast ↔ IFGain:Low	Trig Delay-500 Trig: Video #Atten: 30 dB		: Log-Pwr	TRACE TYPE DET	1 2 3 4 5 6 WWWWWW P N N N N N	Frequency
Ref Offset 2.6 10 dB/div Ref 20.00 c				Δ	Mkr1 39 1.	2.0 µs 86 dB	Auto Tune
10.0 0.00							Center Freq 2.441000000 GHz
-10.0						TRIG LVL	2.441000000 GHZ
-20.0	P						Start Freq 2.441000000 GHz
-40.0			in the local states of the second				Stop Freq
-60.0 <mark></mark>		t digina territa dala dala dala dala dala dala dala da			aliduq <mark>ili</mark> no di	<mark>inter filmenter fi</mark> l	2.441000000 GHz
Center 2.441000000 G Res BW 1.0 MHz		3.0 MHz	S	weep 10.	Spa 00 ms (100	an 0 Hz)01 pts)	CF Step 1.000000 MHz
MKR MODE TRC SCL 1 Δ2 1 t (Δ) 2 F 1 t	× <u>392.0 μs</u> (Δ) 497.0 μs	Y <u>1.86 dB</u> -1.97 dBm	FUNCTION FUN	ICTION WIDTH	FUNCTION	VALUE 🔺	<u>Auto</u> Man
3 4 5						=	Freq Offset 0 Hz
6 7 8 9							
10							
						+	
11		m		STATUS		•	
MSG	Dwell NVN	" T 2-DH1	2441MHz		nulated	• •	
	AC A	SENSE:IN	NT Avg Type n		10:47:18 PM	Apr 07, 2025	Frequency
11 MSG Agilent Spectrum Analyzer - Swep M RL RF 50 Ω Center Freq 2.44100 Ref Offset 2.6	AC AC PNO: Fast IFGain:Low	SENSE:IN	NT Avg Type n	Accur	10:47:18 PM	Apr 07, 2025	
11 MSG W RL RF 50 Ω Center Freq 2.44100	AC AC PNO: Fast IFGain:Low	SENSE:IN	NT Avg Type n	Accur	10:47:18 PM	Apr 07, 2025	Frequency
11 MSG MSG MSG MRL RF 50 Ω Center Freq 2.44100 Ref Offset 2.6 10 dB/div Ref 20.00 d	AC AC PNO: Fast IFGain:Low	SENSE:IN	NT Avg Type n	Accur	10:47:18 PM	Apr 07, 2025	Frequency Auto Tune
11 MSG MSG Ref MRL RF 50 Ω Center Freq 2.44100 10 dB/div Ref Offset 2.6 10 dB/div Ref 20.00 d 10.0	AC AC PNO: Fast IFGain:Low	SENSE:IN	NT Avg Type n	Accur	10:47:18 PM	Apr 07, 2025	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq
11 MSG MAGINAR Spectrum Analyzer - Swep MRL RF S0 Ω Center Freq 2.44100 10 dB/div Ref Offset 2.6 10 dB/div Ref 20.00 d 0 00 000	AC AC PNO: Fast IFGain:Low	SENSE:IN	NT Avg Type n	Accur	10:47:18 PM	Apr 07, 2025	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz
11 MSG MSG Center Freq 2.44100 Center Freq 2.44100 10 dB/div Ref 20.00 d 10.0 10.0 -10.0 -20.0	AC AC PNO: Fast IFGain:Low	SENSE:IN	NT Avg Type n	Accur	10:47:18 PM	Apr 07, 2025	Frequency Auto Tune Center Freq 2.44100000 GHz Start Freq
11 MSG MAGINAR Spectrum Analyzer - Swep MRL RF S0 Ω Center Freq 2.44100 10 dB/div Ref Offset 2.6 10 dB/div Ref 20.00 d 0 00 000	AC AC PNO: Fast IFGain:Low	SENSE:IN	NT Avg Type n	Accur	10:47:18 PM	Apr 07, 2025	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz
11	AC AC PNO: Fast IFGain:Low	SENSE:IN	NT Avg Type n	Accur	10:47:18 PM	Apr 07, 2025	Frequency Auto Tune Center Freq 2.441000000 GHz 2.441000000 GHz Stop Freq 2.441000000 GHz
11 MSG MSG MSG MSG MSG MSG MSG Center Freq 2.44100 Center Freq 2.44100 Ref Offset 2.6 Center Freq 2.44100 0 dB/div Ref 20.00 d 10 dB/div Ref 20.00 d -10.0 -20.0 -30.0 -40.0	AC AC PNO: Fast IFGain:Low	SENSE:IN	NT Avg Type n	Accur	10:47:18 PM	Apr 07, 2025	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz
11 MSG MSG MSG MSG MSG MSG MSG MSG	AC AC PNO: Fast IFGain:Low	SENSE:IN	NT Avg Type n	Accur	10:47:18 PM	Apr 07, 2025	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset
11 MSG MKG Center Spectrum Analyzer - Swep IN RL Ref Offset 2.6 10 dB/div Ref Offset 2.6 10.0 0.00 -10.0 -10.0 -20.0 -30.0 -40.0 -60.0	AC PHO: Fast → IFGain:Low → IGB IBM IGB IBM IGB IGB IGB IGB IGB IGB IGB IGB	SENSE:IN	NT Avg Type n	ALIGN AUTO ELOG-PWF	10:47:18 PM TRACE TYPE DET	Apr07.2025	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset







Dwe	ell NVNT 2-DH5 2	441MHz On	e Burst	
Ju Agilent Spectrum Analyzer - Swept SA	anior turk			
	SENSE:INT Trig Delay-500.0 µ: Fast →→ Trig: Video #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr	10:56:48 PM Apr 07, 2025 TRACE 1 2 3 4 5 6 TYPE WWWWW DET P N N N N N	Frequency
Ref Offset 2.6 dB		L	∆Mkr1 2.891 ms 1.25 dB	Auto Tune
	142		TRIG LVL	Center Freq 2.441000000 GHz
-10.0 20.0	u,e			Start Freq
-30.0 -40.0				2.441000000 GHz
-800 attent	n and the second s			Stop Freq 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
2 F 1 t 477.	ms (Δ) 1.25 dB	INCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man Freq Offset
3 4 5 6				0 Hz
7 8 9 10				
11 K [MSG	III	STATU	s	
Dwell	NVNT 2-DH5 24	41MHz Accu	imulated	
Agilent Spectrum Analyzer - Swept SA RL	SENSE:INT	ALIGN AUTO	10:57:21 PM Apr 07, 2025 TRACE 1 2 3 4 5 6	Frequency
PNC IFGa	: Fast ↔ Trig: Free Run in:Low #Atten: 30 dB		TYPE DET PNNNN	Auto Tune
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm				Center Freq
				2.441000000 GHz
0.00 Harrison and the second s				Start Freq 2.441000000 GHz
-20.0				Stop Freq
-30.0				2.441000000 GHz CF Step
-40.0				1.000000 MHz Auto Man
-60.0				Freq Offset 0 Hz
-70.0				
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep	Span 0 Hz 31.60 s (10001 pts)	



D	well NVNT 3-DH1	2441MHz On	e Burst	
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC	SENSE:INT	ALIGN AUTO	10:51:51 PM Apr 07, 2025	
Center Freq 2.441000000 G			TRACE 123456 TYPE WWWWW DET P NNNN	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm Log			ΔMkr1 391.0 μs 0.02 dB	Auto Tune
Log 10.0				Center Freq
ο.co			TRIG LVL	2.441000000 GHz
-10.0				
-20.0				Start Freq 2.441000000 GHz
-40.0				2.44100000 GH2
	ery Mark Malana provident ber bet politisk men afgåret som efter til som fra som efter som efter som efter som	utility all his easing which is the structure film is a single structure of the structure o	and the second second	Stop Freq
	erierten haaten alleita, beid hierta hykoisi piteta hiti			2.441000000 GHz
Center 2.441000000 GHz			Span 0 Hz	CE Stop
Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 1	0.00 ms (10001 pts)	CF Step 1.000000 MHz
MKR MODE TRC SCL X	Y 391.0 μs (Δ) 0.02 dB	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Man
	421.0 µs -8.07 dBm			Freq Offset
4 5			E	0 Hz
6 7 8				
9 10				
	m			
MSG		STATU	JS	
	ell NVNT 3-DH1 2	441MHz Accu	umulated	
Agilent Spectrum Analyzer - Swept SA M RL RF 50 Ω AC	SENSE:INT	ALIGN AUTO	10:52:24 PM Apr 07, 2025	Frequency
Center Freq 2.441000000 G	PNO: Fast ↔ Trig: Free Run FGain:Low #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE WWWWW DET P NNNNN	ricquericy
Ref Offset 2.6 dB	FGain:Low #Atten: 50 db		-	Auto Tune
10 dB/div Ref 20.00 dBm				
10.0				Center Fred 2.441000000 GHz
	Tha the start of the two transmissions and a fillence			2.44100000 GH2
0.00	, , , , , , , , , , , , , , , , , , ,			Start Freq
-10.0				2.441000000 GHz
-20.0				
				Stop Fred 2.441000000 GHz
-30.0				
-40.0				CF Step 1 000000 MH
-40.0				1.000000 MHz
				1.000000 MHz <u>Auto</u> Man
-40.0				1.000000 MHz <u>Auto</u> Man Freq Offset
-40.0 				1.000000 MHz <u>Auto</u> Man Freq Offset
-40 0				1.000000 MHz <u>Auto</u> Man Freq Offset
-40.0			Span 0 Hz	1.000000 MHz <u>Auto</u> Man Freq Offset
-40.0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	#VBW 3.0 MHz	Sweep	31.60 s (10001 pts)	CF Step 1.000000 MHz <u>Auto</u> Man Freq Offset 0 Hz



_	Dwell NVI	<u>NT 3-DH3 24</u>	441MHz C	One Burst	
Agilent Spectrum Analyzer - Swept XX RL RF 50 Ω		SENSE:INT	ALIGN A	UTO 10:57:48 PM Apr 07, 2025	
Center Freq 2.44100		Trig Delay-500.0 µs Trig: Video	Avg Type: Log-F	Pwr TRACE 1 2 3 4 5 6 TYPE WWWWW	Frequency
	IFGain:Low	#Atten: 30 dB		DET PNNNN	Auto Tune
Ref Offset 2.6	dB			ΔMkr1 1.642 ms 0.24 dB	Auto Tune
10 dB/div Ref 20.00 d	Bm			0.24 08	
10.0					Center Freq
	1Δ2			TRIG LVL	2.441000000 GHz
-20.0					Start Freq
-30.0					2.441000000 GHz
-40.0		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	. I		
-50.0		in stall and the start of the ball of	n an	an input the state of the property for a	Stop Freq
-60.0	. Shedhadaan	we have a state of the second s		alalar jalen sajarar jela ara ajalah	2.441000000 GHz
-70.0					
Center 2.441000000 G		0.0.000		Span 0 Hz	CF Step
Res BW 1.0 MHz		3.0 MHz	· · · ·	10.00 ms (10001 pts)	1.000000 MHz <u>Auto</u> Man
MKR MODE TRC SCL 1 Δ2 1 t (Δ)	× 1.642 ms (Δ)	Y FUN 0.24 dB	ICTION FUNCTION W	VIDTH FUNCTION VALUE	
2 F 1 t	351.0 µs	-8.32 dBm			Freq Offset
4					0 Hz
6					
7 8					
9					
11					
MSG			S	TATUS	
	Dwell NVN	T 3-DH3 244	1MHz Ac	cumulated	
🎉 Agilent Spectrum Analyzer - Swept	: SA				
LXI RL RF 50 Ω	AC	SENSE:INT	ALIGN AL		Frequency
	AC 0000 GHz PNO: Fast ↔→	Trig: Free Run	ALIGN AI Avg Type: Log-F		
(X/ RL RF 50Ω Center Freq 2.44100	AC 0000 GHz PN0: Fast IFGain:Low			Pwr TRACE 1 2 3 4 5 6	
02 RL RF 50.0 Center Freq 2.44100 Ref Offset 2.6 10 Ref Offset 2.6 Ref 2.0.00 dl Ref 20.00 dl	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency
KL RF 50 Ω Center Freq 2.441000 Ref Offset 2.6	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune
02 RL RF 50.0 Center Freq 2.44100 Ref Offset 2.6 10 Ref Offset 2.6 Ref 2.0.00 dl Ref 20.00 dl	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq
Rt Rf 50 g Center Freq 2.441000 Ref Offset 2.6 Ref Offset 2.6 10 dB/div Ref 20.00 d Ref 20.00 d	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune
Rt Rf 50 g Center Freq 2.441000 Ref Offset 2.6 Ref Offset 2.6 10 dB/div Ref 20.00 d Ref 20.00 d	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz
Center Freq 2.44100 Ref Offset 2.6 10 dB/div Ref 20.00 d 10.0 0.00	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.44100000 GHz Start Freq
RL RF 50.0 Center Freq 2.441000 Ref Offset 2.6 Ref Offset 2.6 10 dB/div Ref 20.00 dI Ref 20.00 dI 10.0 10.0 10.0 10.0	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz
RL RF 50.0 Center Freq 2.44100 Ref Offset 2.6 Ref Offset 2.6 10 dE/div Ref 20.00 dI 0 10.0	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz
Center Freq 2.44100 Ref Offset 2.6 10 dB/div Ref 20.00 d 10.0 0.00	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq
RL RF 50.0 Center Freq 2.44100 Ref Offset 2.6 Ref Offset 2.6 10 dB/div Ref 20.00 dB Ref 20.00 dB 10.0	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.44100000 GHz Start Freq 2.441000000 GHz
RL Ref 50.0 Center Freq 2.44100 Ref Offset 2.6 10 dB/div Ref Offset 2.00 dI 10 dB/div Ref 20.00 dI 10 dI <td>AC PNO: Fast</td> <td>Trig: Free Run</td> <td></td> <td>Pwr TRACE 1 2 3 4 5 6</td> <td>Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz</td>	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz
RL RF 50 Ω Center Freq 2.441000 Ref Offset 2.6 Ref Offset 2.6 10 dB/div Ref 20.00 dI 0 10.0	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz
RL RF 50 Ω Center Freq 2.44100 Ref Offset 2.6 Ref Offset 2.6 10 dB/div Ref 20.00 d 10.0 10.0	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz
XX RE 50.0 Center Freq 2.441000 Ref Offset 2.6 10 dE/div Ref Offset 2.6 10 dE/div Ref 20.00 d 10.0 10.0 10.0 -10.0 -20.0 -40.0 -40.0 -40.0 -40.0	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 1.000000 MHz 1.000000 MHz Auto Man
XX RE 50.0 Center Freq 2.441000 Ref Offset 2.6 10 dE/div Ref Offset 2.6 10 dE/div Ref 20.00 d 10.0 10.0 10.0 -10.0 -20.0 -40.0 -40.0 -40.0 -40.0	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset
XX Rf 50.0 Center Freq 2.44100 Ref Offset 2.6 10 dE/div Ref 20.00 d 10 dE/div Ref 20.00 d 10 d	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 1.000000 MHz 1.000000 MHz Auto Man
XX Rt RF 50.0 Center Freq 2.441000 Ref Offset 2.6 10 dE/div Ref Offset 2.6 10 dE/div Ref 20.00 dI 0 0 -0.00	AC PNO: Fast	Trig: Free Run		Pwr TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset
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RL Ref 50.0 Center Freq 2.44100 Ref Offset 2.6 10 dB/div Ref 20.00 d 10 dB/div Ref 20.00 d 10.0 10.	AC PNO: Fast IFGain:Low dB Bm dB dB dB dB dB dB dB dB dB dB	Trig: Free Run #Atten: 30 dB	Avg Type: Log-F	Der Den 0 Hz	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset
XX Rf 50.0 Center Freq 2.441000 Ref Offset 2.6 10 dE/div Ref 20.00 dI 10 dE/div Ref 20.00 dI 0 0 0 0 10.0 0.00 0 <td>AC PNO: Fast IFGain:Low dB Bm dB dB dB dB dB dB dB dB dB dB</td> <td>Trig: Free Run</td> <td>Avg Type: Log-F</td> <td></td> <td>Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset</td>	AC PNO: Fast IFGain:Low dB Bm dB dB dB dB dB dB dB dB dB dB	Trig: Free Run	Avg Type: Log-F		Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset



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Magilent Spectrum Analyzer - Swept SA	SENSE:INT	ALIGN AUTO	10:58:51 PM Apr 07, 2025	- F ×
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-30.0				Start Freq 2.441000000 GHz
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-70.0	ist a for a low and the second sec	and a surply a surply of the surple of the s	l in the property of the second s	2.441000000 GHz
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	-	Span 0 Hz .00 ms (10001 pts)	CF Step 1.000000 MHz Auto Man
	Y 2.894 ms (Δ) -0.43 dB 375.0 μs -10.07 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	
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10 11 <				
MSG		STATUS	1	
Dv	vell NVNT 3-DH5 24	41MHz Accu	mulated	
J Agilent Spectrum Analyzer - Swept SA	SENSE:INT	ALIGN AUTO	10:59:25 PM Apr 07, 2025	Frequency
Agilent Spectrum Analyzer - Swept SA	SENSE:INT		mulated	Frequency
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Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 2.441000000 (Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm	CHZ PNO: Fast ↔ Trig: Free Run	ALIGN AUTO	10:59:25 PM Apr 07, 2025	Frequency
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Agilent Spectrum Analyzer - Swept SA RL	CHZ PNO: Fast ↔ Trig: Free Run	ALIGN AUTO	10:59:25 PM Apr 07, 2025	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq
Agilent Spectrum Analyzer - Swept SA K RF 50 Ω AC Center Freq 2.441000000 (Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm 000 Here Here 10.0 Here Here Here 10.0 Here Here Here -10.0 Here Here Here Here -30.0 Here Here Here Here Here	CHZ PNO: Fast ↔ Trig: Free Run	ALIGN AUTO	10:59:25 PM Apr 07, 2025	Frequency Auto Tune Center Freq 2.44100000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz
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Agilent Spectrum Analyzer - Swept SA RL RF 50.0. AC Center Freq 2.441000000 (Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm 000	SENSE:INT PNO: Fast →→ IFGain:Low Trig: Free Run #Atten: 30 dB IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	ALIGN AUTO Avg Type: Log-Pwr	I0:59:25 PM Apr07, 2025 TRACE I0:59:25 PM Apr07, 2025 I0:59:25 PM Apr07, 2025 I0:59:25 PM Apr07, 2025 I0:00 PM Apr07, 2025	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz CF Step 1.000000 MHz Auto Man
Agilent Spectrum Analyzer - Swept SA RL RF 50.0 AC Center Freq 2.441000000 Ref Offset 2.6 dB Ref Offset 2.6 dB Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm 8	GHZ PNO: Fast ↔ Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr	MUIAted	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man Freq Offset

No.: BCTC/RF-EMC-005



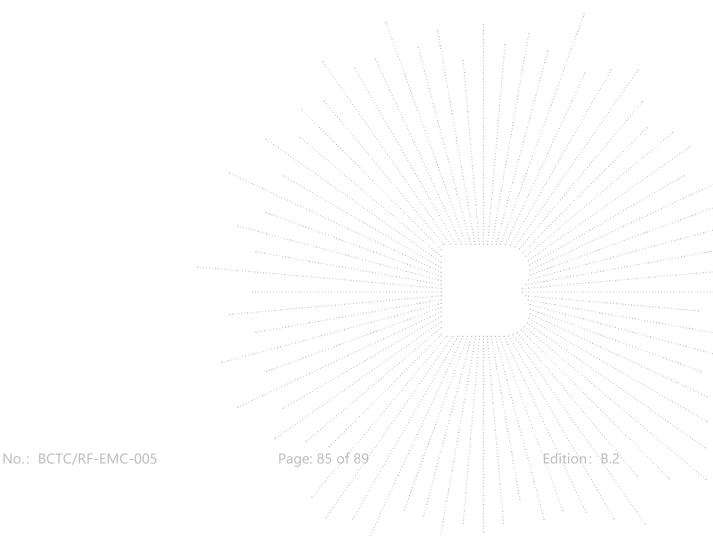
15. Antenna Requirement

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

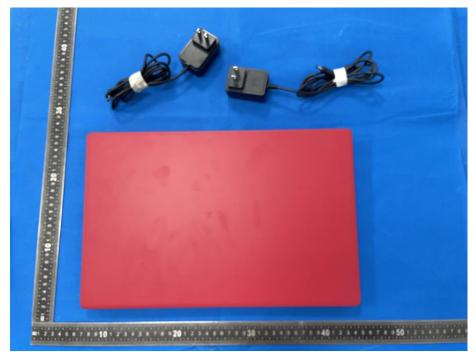
The EUT antenna is Internal antenna, fulfill the requirement of this section.





16. EUT Photographs

EUT Photo



NOTE: Appendix-Photographs Of EUT Constructional Details (CLT2156RD_External Photos & Photos)

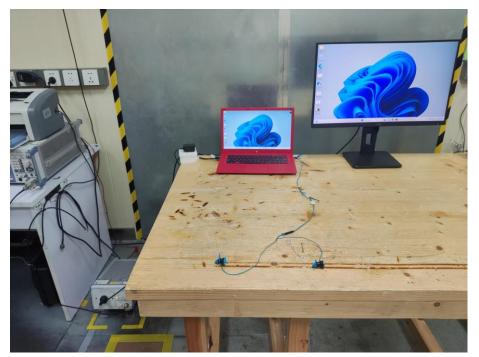
No.: BCTC/RF-EMC-005

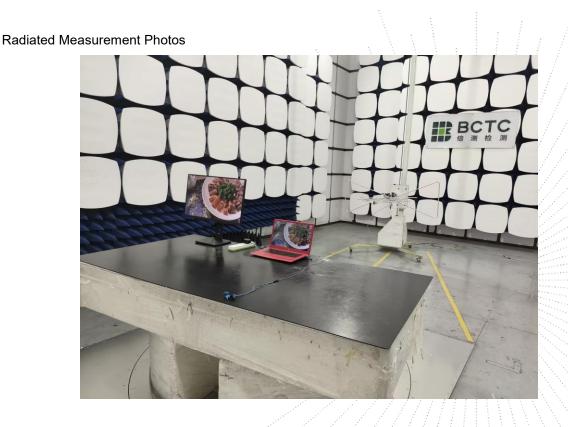
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17. EUT Test Setup Photographs

Conducted emissions





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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

TEL: 400-788-9558

P.C.: 518103

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Website: http://www.chnbctc.com

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

***** END *****

No.: BCTC/RF-EMC-005

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