

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

Temperature:	26 ℃	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage :	DC 3.7V

Condition	Mode	Frequency (MHz)	-20dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	0.861	Pass
NVNT	1-DH1	2441	0.881	Pass
NVNT	1-DH1	2480	0.840	Pass
NVNT	2-DH1	2402	1.249	Pass
NVNT	2-DH1		1.255	Pass
NVNT	2-DH1	2480	1.262	Pass
NVNT	3-DH1	2402	1.214	Pass
NVNT	3-DH1	2441	1.214	Pass
NVNT	3-DH1	2480	1.222	Pass

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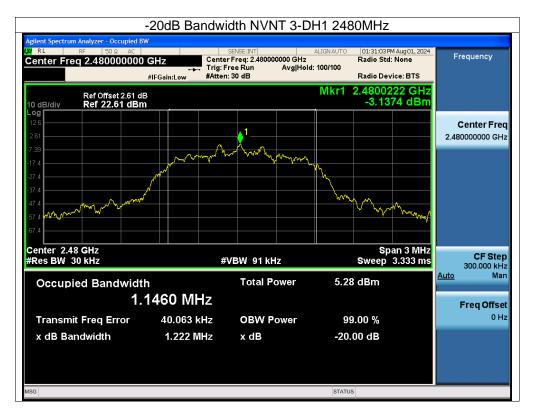






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11. Maximum Peak Output Power

11.1 Block Diagram Of Test Setup



11.2 Limit

FCC Part15 (15.247) , Subpart C					
Section	Test Item	Limit	Frequency Range (MHz)	Result	
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.

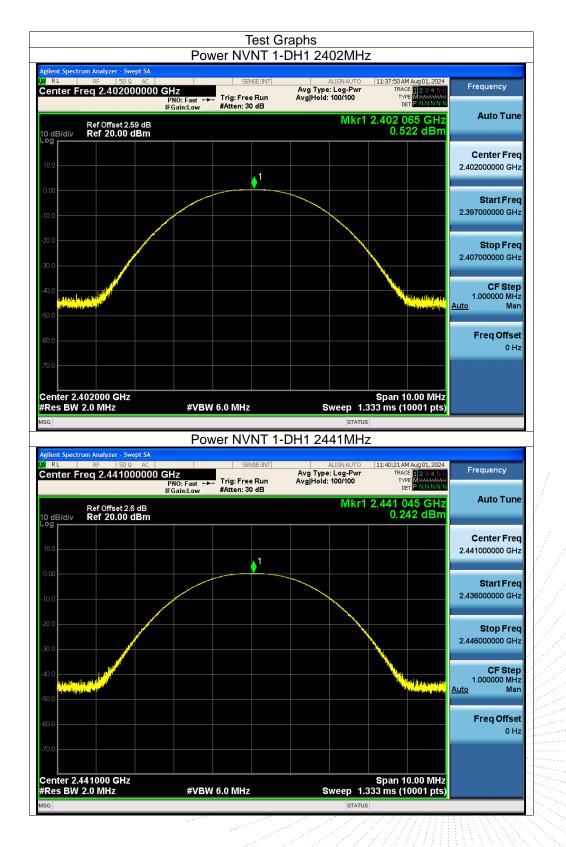
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

11.4 Test Result

Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage :	DC 3.7V

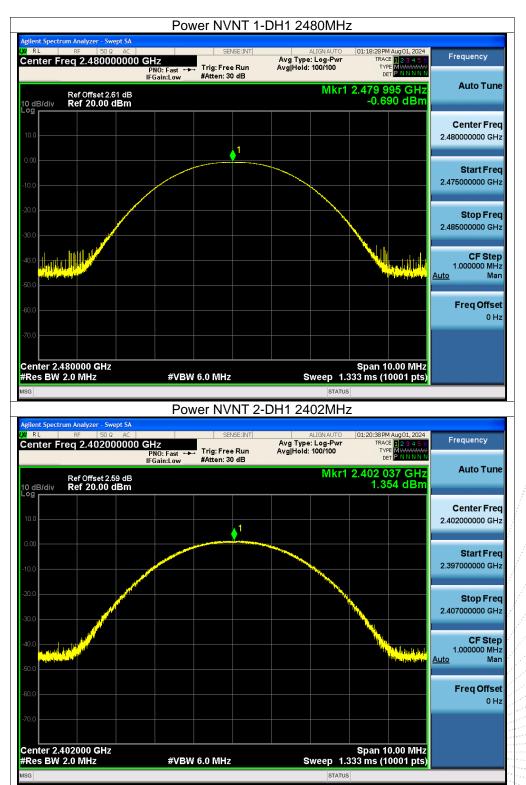
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	0.52	21	Pass
NVNT	1-DH1	2441	0.24	21	Pass
NVNT	1-DH1	2480	-0.69	21	Pass
NVNT	2-DH1	2402	1.35	21	Pass
NVNT	2-DH1	2441	1.07	21	Pass
NVNT	2-DH1	2480	-0.03	21	Pass
NVNT	3-DH1	2402	1.98	21	Pass
NVNT	3-DH1	2441	1.66	21	Pass
NVNT	3-DH1	2480	0.55	21	Pass







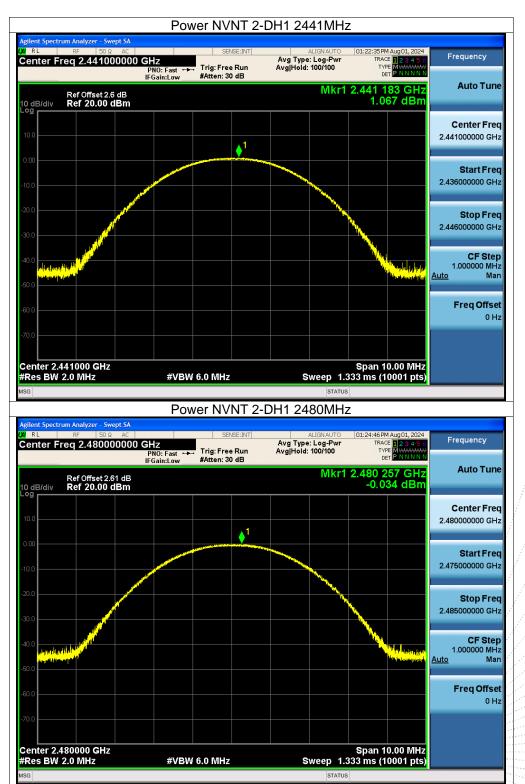




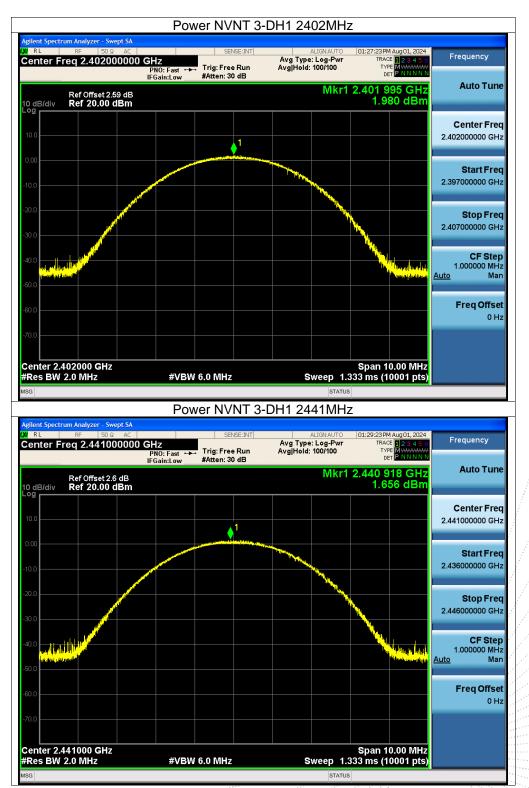
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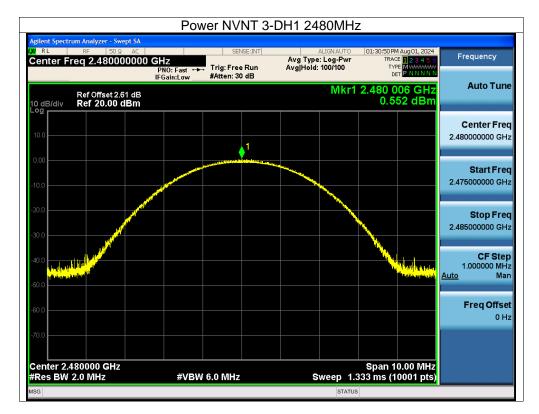












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12. Hopping Channel Separation

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.

Mode	Test Channel	Separation (MHz)	Limit(MHz)	Result
1-DH1	Low Market	1.000	0.574	PASS
1-DH1	Middle	1.004	0.587	PASS
1-DH1	High	0.998	0.560	PASS
2-DH1	Low	0.998	0.833	PASS
2-DH1	Middle	0.998	0.837	PASS
2-DH1	High	1.000	0.841	PASS
3-DH1	Low	1.004	0.809	PASS
3-DH1	Middle	1.000	0.809	PASS
3-DH1	High	0.998	0.815	PASS
0 BIII	i ngri		0.010	

12.4 Test Result





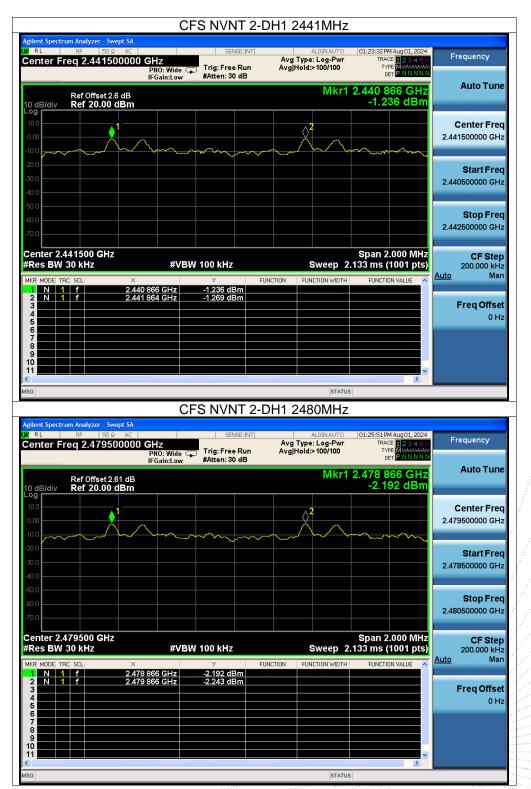




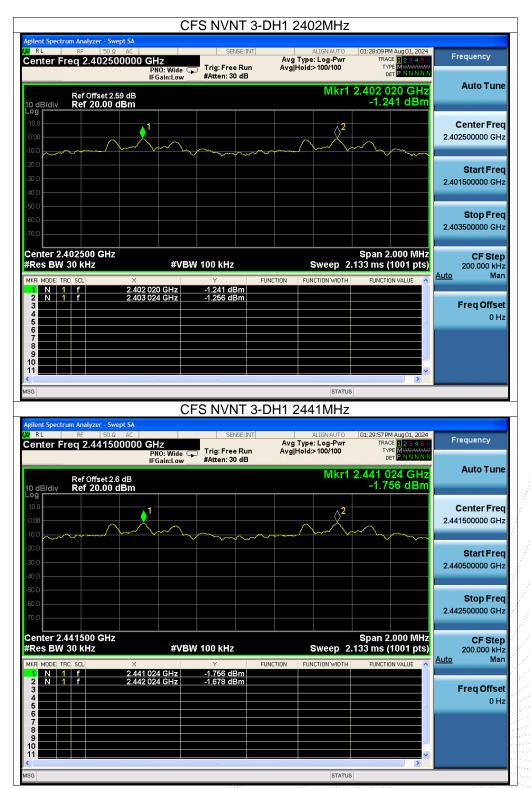
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gilent Spectrum Analyz					
RL RF Center Freq 2.4	50 Ω AC 79500000 GHz PNO: Wide IFGain:Low	Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold:>100/100	01:31:30 PM Aug 01, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Frequency
10 dB/div Ref 2	set 2.61 dB 0.00 dBm		Mkr1	2.479 026 GHz -2.956 dBm	Auto Tun
10.0 0.00			2°	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Center Fre 2.479500000 GH
-20.0 -30.0 -40.0					Start Fre 2.478500000 GH
50.0 60.0 70.0					Stop Fre 2.480500000 GH
Center 2.479500 Res BW 30 kHz		3W 100 kHz	Sweep 2.	Span 2.000 MHz 133 ms (1001 pts)	CF Ste 200.000 kH
MKR MODE TRC SCL	× 2.479 026 GHz 2.480 024 GHz	Y F -2.956 dBm -2.962 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Ma
2 N 1 1 3 4 5 6	2.400 024 912	-2.902 UBIII			Freq Offse 0 H
7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					

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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





ilent Spectrum Analyzer - S	wept SA	VNT 1-DH1 2441M		
RL RF 50 enter Freq 2.4417	750000 GHz PNO: Fast C Trig: Free R	Avg Type: Log-Pwr un Avg Hold:>100/100	01:34:48 PM Aug 01, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Frequency
Ref Offset 2			402 004 0 GHz -0.003 dBm	Auto Tun
0 dB/div Ref 20.00				Center Free 2.441750000 GH Start Free
				2.40000000 GH Stop Free 2.48350000 GH
tart 2.40000 GHz Res BW 100 kHz	#VBW 300 kHz		top 2.48350 GHz 000 ms (1001 pts)	CF Stej 8.350000 MH Auto Ma
N 1 f 2 N 1 f 3 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - -	2.402 004 0 GHz 0.003 dBm 2.480 076 5 GHz -1.829 dBm			Freq Offse 0 H
1			~	
			×	
1 G IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	wept SA	VNT 2-DH1 2441M	Hz	
1 G jlent Spectrum Analyzer - S RL RF 50	wept SA Ω AC SENSE 50000 GHz PN0: Fast C Trig: Free R	INT 2-DH1 2441M INT ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100		Frequency
1 illent Spectrum Analyzer - S RL RF 50 enter Freq 2.4417 Ref Offset2 0 dB/div Ref 20.00	vept SA 2 AC SENSE 50000 GHz PN0: Fast IFGain:Low #Atten: 30 dl 2.6 dB	VNT 2-DH1 2441M INT ALIGNAUTO Avg Type: Log-Pwr Avg Hoid:>100/100 B	D1:38:44PM Aug 01, 2024 TRACE 0 23 4 5 6 TYPE M WWWWWG	Frequency Auto Tun
1 glent Spectrum Analyzer - S RL RF 50 enter Freq 2.4417 Ref Offset 2 0 dB/div Ref 20.00 00 0 d 1 0 dB/div Ref 20.00 00 0 0 0 0 0 0 0 0 0 0 0 0	vept SA 2 AC SENSE 50000 GHz PN0: Fast IFGain:Low #Atten: 30 dl 2.6 dB	VNT 2-DH1 2441M	U1:38:44PM Aug01, 2024 TRACE 2 3 4 5 0 TYPE MULTING DET P NUMINN 401 920 5 GHz 0.550 dBm	Auto Tun Center Fre
1 1 1 1 1 1 1 1 1 1 1 1 1 1	x AC SENSE 250000 GHz Trig: Free R PN0: Fast Free R IFGain:Low #Atten: 30 dl	VNT 2-DH1 2441M	U1:38:44PM Aug01, 2024 TRACE 2 3 4 5 0 TYPE MULTING DET P NUMINN 401 920 5 GHz 0.550 dBm	Auto Tun Center Free 2.441750000 GH Start Free 2.400000000 GH
1 1 1 1 1 1 1 1 1 1 1 1 1 1	x AC SENSE 250000 GHz Trig: Free R PN0: Fast Free R IFGain:Low #Atten: 30 dl	VNT 2-DH1 2441M	U1:38:44PM Aug01, 2024 TRACE 2 3 4 5 0 TYPE MULTING DET P NUMINN 401 920 5 GHz 0.550 dBm	Auto Tun Center Fre 2.441750000 GH Start Fre 2.400000000 GH
1	x AC SENSE 250000 GHz Trig: Free R PN0: Fast Free R IFGain:Low #Atten: 30 dl	VNT 2-DH1 2441M	Hz 101:38:44PM Aug 01, 2024 TRACE 23:45 of TYPE NAMENAN 401 920 5 GHz 0.550 dBm 401 920 5 GHz 0.550 dBm 401 920 5 GHz 0.550 dBm 401 920 5 GHz 100 0 ms (1001 pts)	Auto Tun Center Fre 2.441750000 GH Start Fre
I glent Spectrum Analyzer - S RL RF 50 enter Freq 2.4417 Ref Offset 2 0 dB/div Ref 20.00 og	wept SA SENSE 2 AC SENSE 50000 GHz PR0: Fast IFGain:Low Trig: Free R #Atten: 30 d 2.6 dB dB 0 dBm d VMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	VNT 2-DH1 2441M	Hz 101:38:44PM Aug01, 2024 TRACE 12 3 4 5 0 TYPE MANNIN 101 920 5 GHz 0.550 dBm 2 0.550 dBm 2 0.550 dBm 2 0.550 dBm 2 0.550 dBm 2 0 0 0 0 0 0 0 0 0 0 0 0 0	Auto Tun Center Fre 2.441750000 GH Start Fre 2.400000000 GH Stop Fre 2.483500000 GH

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	Hopping No. NVNT	3-DH1 2441N	/Hz	
Agilent Spectrum Analyzer - Swept SA				
x RL RF 50Ω AC Center Freq 2.441750000 C	GHZ PNO: Fast IFGain:Low #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	01:43:29 PM Aug 01, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm		Mkr1 2.	401 586 5 GHz -5.263 dBm	Auto Tune
Log 10.0 0.00 ↓1 -10.0	ANALANAA NI MAAAAAAAAA	namaaaduunuu		Center Freq 2.441750000 GHz
-20.0				Start Freq 2.400000000 GHz
-50.0			<u> </u>	Stop Frec 2.483500000 GHz
Start 2.40000 GHz #Res BW 100 kHz	#VBW 300 kHz	Sweep 8.	Stop 2.48350 GHz 000 ms (1001 pts)	CF Step 8.350000 MHz
2 N 1 f 2.480 16 3 4 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	26 5 GHz 5.263 dBm 30 0 GHz -1.404 dBm	CTION FUNCTION WIDTH	FUNCTION VALUE	Auto Man Freq Offset 0 Hz
6			~	
ISG		STATUS		

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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).

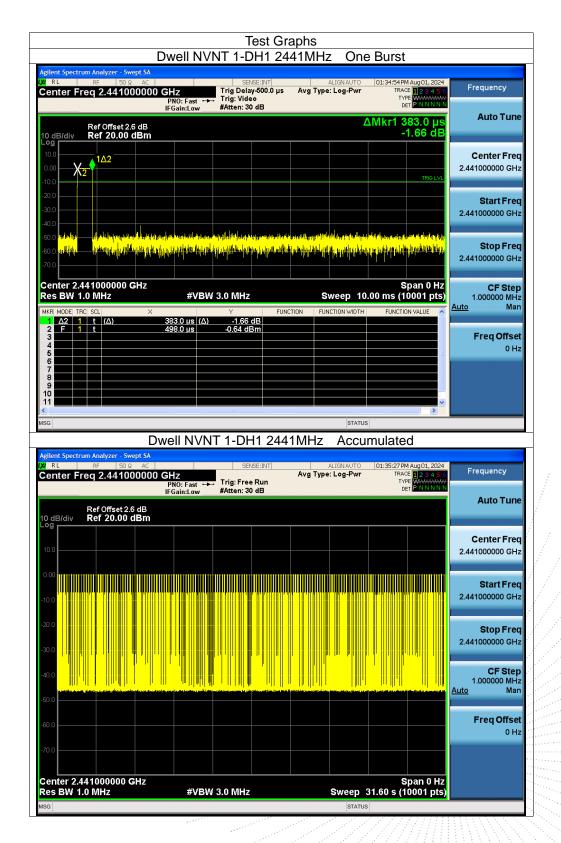
Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH1	2441	0.383	121.794	318	31600	400	Pass
1-DH3	2441	1.639	254.045	155	31600	400	Pass
1-DH5	2441	2.887	337.779	117	31600	400	Pass
2-DH1	2441	0.393	125.76	320	31600	400	Pass
2-DH3	2441	1.637	255.372	156	31600	400	Pass
2-DH5	2441	2.886	314.574	109	31600	400	Pass
3-DH1	2441	0.392	123.872	316	31600	400	Pass
3-DH3	2441	1.643	256.308	156	31600	400	Pass
3-DH5	2441	2.894	295.188	102	31600	400	Pass

14.4 Test Result

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









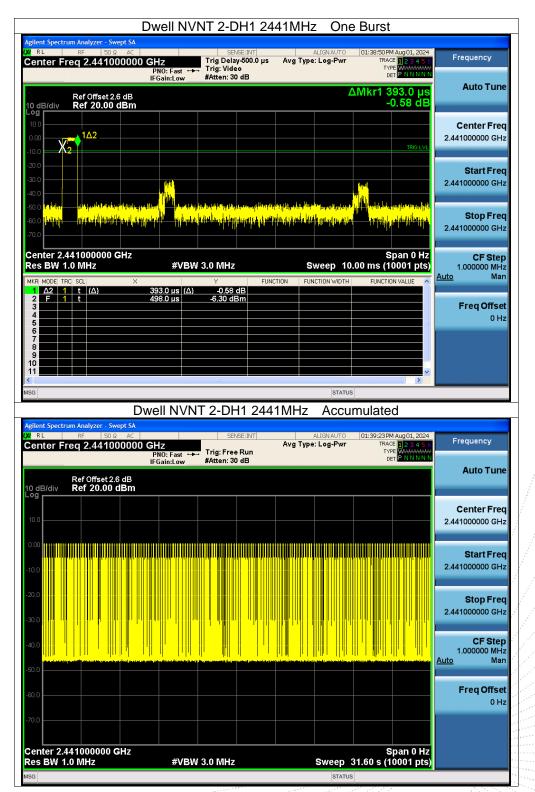
	vell NVNT 1-DH3	2441MHz On	e Burst	
Agilent Spectrum Analyzer - Swept SA WRL RF 50 Q AC Center Freq 2.441000000 G	SENSE:INT Trig Delay-500.0 Trig: Video	ALIGNAUTO µs Avg Type: Log-Pwr	01:49:44 PM Aug 01, 2024 TRACE 123456 TYPE WWWWW DET PNNNNN	Frequency
Ref Offset 2.6 dB	Gain:Low #Atten: 30 dB		Mkr1 1.639 ms -4.38 dB	Auto Tune
10 dB/div Ref 20.00 dBm				Center Freq 2.441000000 GHz
-10.0 X 100 000 000 000 000 000 000 000 000				Start Freq 2.441000000 GHz
-50.0 <mark>Hallpr</mark> Handshapp			usan paka kana kana dalam di kana pana k Kata pana kana kana kana kana kana kana pana kana p	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 <u>Auto</u> Man
1 Δ2 1 t (Δ) 1.0	539 ms (Δ) -4.38 dB 59.0 μs -11.43 dBm			Freq Offset 0 Hz
6 7 8 9 10				
11 MSG		STATU	s	
Dwe	ell NVNT 1-DH3 2	441MHz Accu	imulated	
Agilent Spectrum Analyzer - Swept SA X RL RF 50Ω AC Center Freq 2.441000000 GI F	NO: Fast 🛶 Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr	01:50:17 PM Aug 01, 2024 TRACE 1 2 3 4 5 6 TYPE WAAAAAAAAA DET P N N N N N	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm	Gain:Low #Atten: 30 dB			Auto Tune
10.0				Center Fred 2.441000000 GH
				Start Free 2.441000000 GH
20.0				Stop Free 2.441000000 GH:
40.0				CF Step 1.000000 MH <u>Auto</u> Mar
-50.0				Freq Offse
-70.0				
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz		Span 0 Hz 31.60 s (10001 pts)	
ISG		STATU	s	



		Dwell NVN	T 1-DH5 2	2441MHz	z One	Burst	
RL	m Analyzer - Swept SA RF 50 Ω AC eq 2.441000000	PNO: Fast 🔸	SENSE:INT Trig Delay-500.0 Trig: Video		ALIGNAUTO	01:50:40 PM Aug 01, 2024 TRACE 12345 TYPE WANNAN DET P N N N N	Frequency
) dB/div	Ref Offset 2.6 dB Ref 20.00 dBm	IFGain:Low	#Atten: 30 dB		Δ	Wkr1 2.887 ms -2.04 dE	Auto Tun
		1Δ2				TRIG LVL	Center Free 2.441000000 GH
							Start Fre 2.441000000 GH
0.0 1004/04		and the state of t	etal ostati bardala <mark>hijari dal ana dala sa dala sa</mark> dala sa dala sa	and the state of the state	distant a lateral di	an a	Stop Fre 2.441000000 GH
enter 2.44 es BW 1.0	41000000 GHz 0 MHz	#VBW 3	.0 MHz	s	weep 10.	Span 0 Hz 00 ms (10001 pts	1.000000 MH
3 4 5 6 7		2.887 ms (Δ) 498.0 μs	Y -2.04 dB -0.72 dBm	FUNCTION FUN	NCTION WIDTH	FUNCTION VALUE	Auto Ma Freq Offse 0 H
8 9 0 1 3					STATUS		
	D	well NVNT	1-DH5 24	441MHz	Accur	nulated	
RL	m Analyzer - Swept SA RF 50 Ω AC eq 2.441000000	PNO: Fast ↔	SENSE:INT		ALIGNAUTO E: Log-Pwr	01:51:13PM Aug 01, 2024 TRACE 1 2 3 4 5 TYPE WANNAN DET P N N N N	Frequency
dB(div	Ref Offset 2.6 dB Ref 20.00 dBm	IFGain:Low	#Atten: 30 dB				Auto Tun
dB/div							Center Fre 2.441000000 G⊢
00).0 - 11 - 11 - 11							Start Fre 2.441000000 G⊢
).0).0 							Stop Fre 2.441000000 G⊢
0.0							CF Ste 1.000000 M⊦ Auto Ma
).0							Freq Offse
).0							
enter 2.44 es BW 1.0	41000000 GHz 0 MHz	#VBW 3	.0 MHz		Sweep 3	Span 0 Hz 1.60 s (10001 pts	









	Dwell NVNT 2-DH	13 2441MHz C)ne Burst	
agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 2.44100000	OGHZ PNO: Fast ↔→→ Trig: Video	00.0 μs Avg Type: Log-P		Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm	IFGain:Low #Atten: 30 dE	3	ΔMkr1 1.637 ms -0.89 dB	Auto Tune
10 dB/div Ref 20.00 dBm				Center Freq 2.441000000 GHz
10.0 χ <mark>εια βατικαί ομικα</mark> 20.0 χ <mark>εια θα το βατικαί ομικα.</mark> 20.0			TRIG LVL	Start Freq
30.0				2.441000000 GHz
50.0 <mark>m/m/ 50.0 p/h/4</mark>	radi perlami da Sel 1996 da Sel di Sel d In sa sul di sel di Sel di Sel di			Stop Free 2.441000000 GH:
enter 2.441000000 GHz es BW 1.0 MHz	#VBW 3.0 MHz	Sween	Span 0 Hz 10.00 ms (10001 pts)	CF Step 1.000000 MH
KR MODE TRC SCL × 1 Δ2 1 t (Δ)	Υ 1.637 ms (Δ) -0.89 dB	FUNCTION FUNCTION W		Auto Mar
2 F 1 t 3 4 5	349.0 μs -12.13 dBm			Freq Offse 0 H
6 7 8 9				
	ini		×	
G	well NVNT 2-DH3		cumulated	
g <mark>ilent Spectrum Analyzer - Swept SA</mark> RL RF 50 Ω AC	SENSE:	INT ALIGN AU	TO 01:52:15PM Aug 01, 2024	Frequency
enter Freq 2.44100000	PNO: Fast +++ IFGain:Low #Atten: 30 dB		WT TRACE 123456 TYPE WWWWWW DET PNNNN	Auto Tun
Ref Offset 2.6 dB dB/div Ref 20.00 dBm				
0.0				Center Free 2.441000000 GH
				Start Free
0.0				2.441000000 GH
0.0				Stop Free 2.441000000 GH
0.0				CF Step 1.000000 MH
	n - N (DAL (N F DA CAL)) A AN AN A CAL DA CAL (DA CAL) A AN A	n de en la facta de la fact La facta de la f	n an an an tha an	<u>Auto</u> Mar
S0.0				Freq Offse 0 H
0.0				
enter 2.441000000 GHz es BW 1.0 MHz	#VBW 3.0 MHz	· · · · · · · · · · · · · · · · · · ·	Span 0 Hz p 31.60 s (10001 pts)	
G		ST	TATUS	

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	vell NVNT 2-DH5	2441MHz One	e Burst	
Agilent Spectrum Analyzer - Swept SA K RL RF 50 Ω AC Center Freq 2.441000000 GI	NO: Fast 🛶 Trig: Video	ALIGN AUTO µs Avg Type: Log-Pwr	01:52:26 PM Aug 01, 2024 TRACE 12 3 4 5 6 TYPE WWWWWW DET P N N N N N	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm	Gain:Low #Atten: 30 dB	Δ	Mkr1 2.886 ms -2.27 dB	Auto Tune
	μ. 1Δ2		TRIG LVL	Center Freq 2.441000000 GHz
-10.0				Start Freq 2.441000000 GHz
-50.0 (97) -60.0 (94) -70.0	alahad kanya kanya kanya ana dina dina kanya kanya Manja kanya kany	ti di selan ki ta data ki ka panasi ka na Indya di ta ka palati na panasi na panasi na panasi na panasi na pana Indya di ta na panasi	la ang dipang katang katalapan pada pada pada pada Mang dipang katalapan pada pada pada pada pada Mang dipang katalapan pada pada pada pada pada pada pada	Stop Fred 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
	286 ms (Δ) -2.27 dB 50.0 μs -11.98 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Man Freq Offset 0 Hz
7 8 9 10 11			×	
sg		STATU	3	
Dwe gilent Spectrum Analyzer - Swept SA	ell NVNT 2-DH5 2	441MHz Accu	mulated	
RL RF 50 Ω AC Senter Freq 2.441000000 G	HZ NO: Fast ↔ Trig: Free Run Gain:Low #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr	01:52:59 PM Aug 01, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P N N N N N	Frequency
Ref Offset 2.6 dB 0 dB/div Ref 20.00 dBm				Auto Tun
og 				Center Free 2.441000000 GH
				Start Fre 2.441000000 GH
200	a dan karata mana ang ang ang ang ang ang ang ang ang			Stop Free 2.441000000 GH
				CF Stej 1.000000 MH <u>Auto</u> Ma
50.0				Freq Offse
70.0				
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz		Span 0 Hz 31.60 s (10001 pts)	
G		STATU	3	



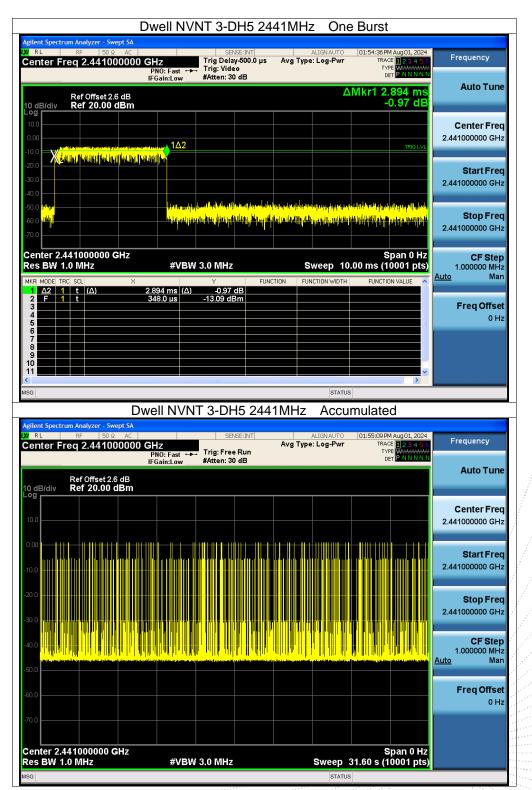
	vell NVNT 3-DH	I 2441MHz On	e Burst	
agilent Spectrum Analyzer - Swept SA RL RF 50Ω AC Center Freq 2.441000000 GH Pi	NO:Fast ⊶⊷ Trig:Video		01:43:34 PM Aug 01, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWW DET P N N N N	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm	Gain:Low #Atten: 30 dB		ΔMkr1 392.0 μs 1.20 dB	Auto Tune
_og 10.0 0.00▲1Δ2			TRIG LVL	Center Fred 2.441000000 GHz
-10.0 -20.0 -30.0				Start Free 2.441000000 GH;
40.0 -50.0 uto -60.0 <mark>407 Jacks (d. 2001) 10 Jacks (d. 2005)</mark> -60.0 <mark>407 Jacks (d. 2007) 2007 10 Jacks (d. 2007)</mark>	a da da tan kanan da da di di Da da da di di di Marta da	blede Trevenske filmer van en ste ek sellender Greg ist paar die wagditiese filmere die paarbelelite	n an	Stop Fre 2.441000000 GH
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz		Span 0 Hz 0.00 ms (10001 pts)	CF Step 1.000000 MH <u>Auto</u> Mar
2 F 1 t 27 3 4 9 9	2.0 μs (Δ) 1.20 dB 9.0 μs -14.71 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offse
5 6 7 8 9 9				
5G		STATI	JS S	
	II NVNT 3-DH1	2441MHz Accu	umulated	
gilent Spectrum Analyzer - Swept SA RL RF 50Ω AC Center Freq 2.441000000 GH	NO: Fast 🛶 Trig: Free Run	Avg Type: Log-Pwr	01:44:07 PM Aug01, 2024 TRACE 1 2 3 4 5 6 TYPE WANNANN DET P.N.N.N.N	Frequency
Ref Offset 2.6 dB	Sain:Low #Atten: 30 dB		DET PRINKIN N	Auto Tun
0.0				Center Fre 2.441000000 G⊢
0.0				Start Fre 2.441000000 G⊦
				Stop Fre 2.441000000 G⊦
				CF Ste 1.000000 M⊢ <u>Auto</u> Ma
50 0 50 0				FreqOffse
70.0				
enter 2.441000000 GHz			Span 0 Hz	

) ED



		VNT 3-DH3 2	2441MHz Or	ne Burst	
Agilent Spectrum Analyzer - Swe IX RF 50 Ω Center Freq 2.44100	AC 0000 GHz	SENSE:INT Trig Delay-500.0 µ → Trig: Video	ALIGN AUTO IS Avg Type: Log-Pw		Frequency
Ref Offset 2.6	PNO: Fast IFGain:Low	#Atten: 30 dB		ΔMkr1 1.643 ms	Auto Tune
10 dB/div Ref 20.00 d	IBm			-4.14 dB	Center Freq
	1Δ2			TRIG LVL	2.441000000 GHz
-10.0 Xii Mahaalina -20.0					Start Freq
-40.0	way in a space of the state of the	uthad ly ing to make the part of the specific	and the state of the	a dha ghealadha an an 11 yan an 11 yan ar 11 yan ar 19 yan ar	2.441000000 GHz
		a la printe de la color de	and a star star and a star star star of the star of	ale menulation many and a	Stop Freq 2.441000000 GHz
Center 2.441000000 G Res BW 1.0 MHz		W 3.0 MHz	Sween	Span 0 Hz (0.00 ms (10001 pts)	CF Step 1.000000 MHz
MKR MODE TRC SCL	× 1.643 ms <i>(l</i>	Y F 4.14 dB	UNCTION FUNCTION WIDT		Auto Man
2 F 1 t 3 4 5	347.0 µs	-10.95 dBm			Freq Offset 0 Hz
6 6 7 8 8 8 8					
9 10 11				~	
MSG	Durall NIV			TUS	
Agilent Spectrum Analyzer - Swe		NT 3-DH3 24		01:53:58 PM Aug 01, 2024	
Center Freq 2.44100			Avg Type: Log-Pw		Frequency
Ref Offset 2.6 10 dB/div Ref 20.00 d					Auto Tune
10.0					Center Freq 2.44100000 GHz
0.00					
-10.0 <mark></mark>					Start Freq 2.441000000 GHz
-20.0					Stop Freq
-30.0					2.441000000 GHz
-40.0					CF Step 1.000000 MHz <u>Auto</u> Man
-50.0					Freq Offset
-70.0					0 Hz
Center 2.441000000 G				Spop 0.45	
Res BW 1.0 MHz		W 3.0 MHz	Sweep	Span 0 Hz 31.60 s (10001 pts) us	









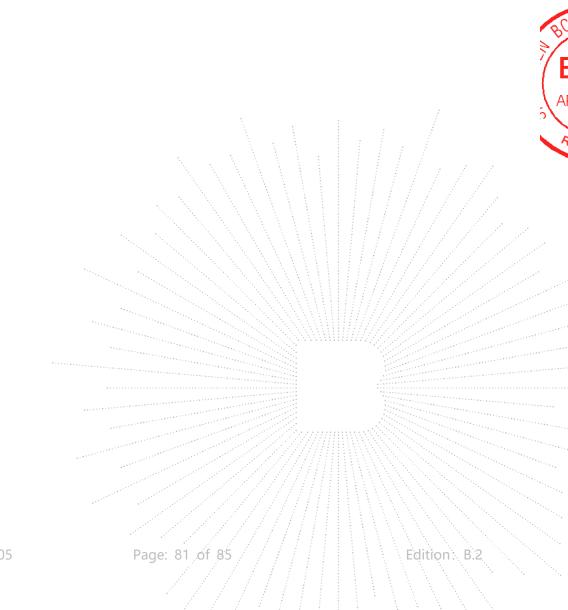
15. Antenna Requirement

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.



No.: BCTC/RF-EMC-005



16. EUT Photographs

EUT Photo



NOTE: Appendix-Photographs Of EUT Constructional Details

Edition: B.2

,TC

3C

PR

epor



17. EUT Test Setup Photographs

Conducted emissions



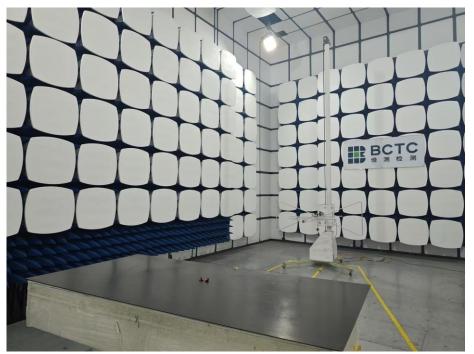


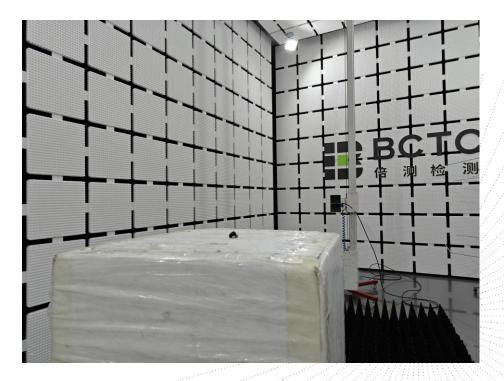


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Radiated Measurement Photos







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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:

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***** END *****

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