

















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.

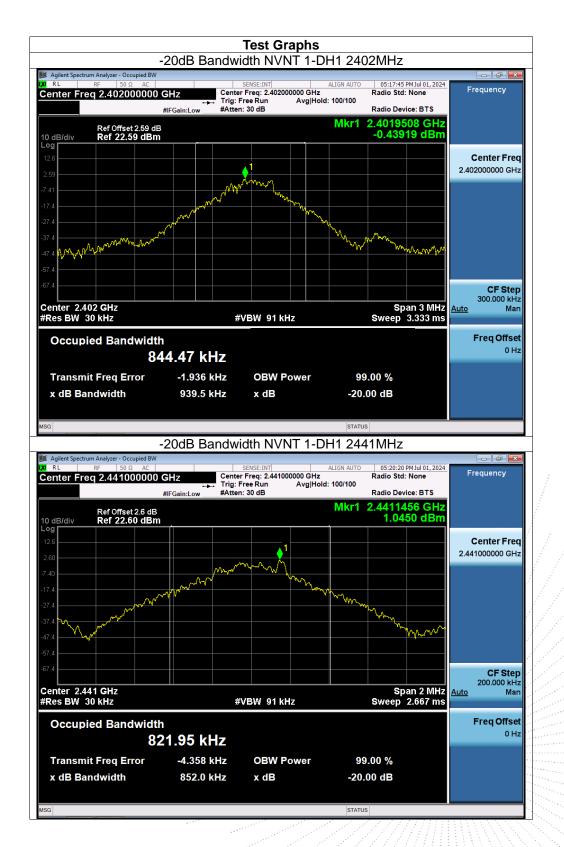
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

10.4 Test Result

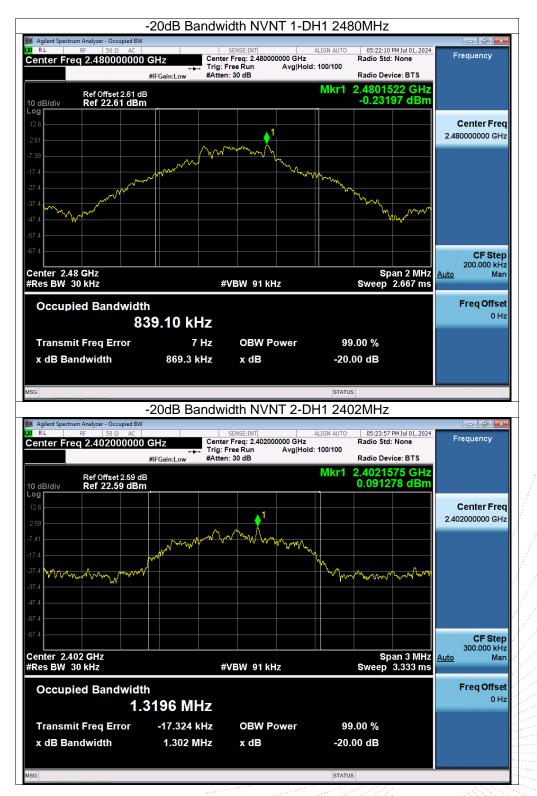
Temperature:	26 ℃	Relative Humidity:	54%				
Test Voltage:	AC 120V/60Hz	Remark:	N/A				

Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	0.939	Pass
NVNT	1-DH1	2441	0.852	Pass
NVNT	1-DH1	2480	0.869	Pass
NVNT	2-DH1	2402	1.302	Pass
NVNT	2-DH1	2441	1.309	Pass
NVNT	2-DH1	2480	1.272	Pass
NVNT	3-DH1	2402	1.326	Pass
NVNT	3-DH1	2441	1.315	Pass
NVNT	3-DH1	2480	1.299	Pass



















Agilent Spect RL RL	rum Analyzer - Occupied BW RF 50 Ω AC		SENSE:INT	ALIGN AUTO	05:34:25 PM Jul 01, 2024	
	eq 2.480000000		Center Freq: 2.4800000	00 GHz	Radio Std: None	Frequency
		+→ #IFGain:Low	#Atten: 30 dB	Avg Hold: 100/100	Radio Device: BTS	
10 dB/div	Ref Offset 2.61 dl Ref 22.61 dBn			Mkr1	2.4798302 GHz -1.2875 dBm	
12.6 2.61			,1			Center Free 2.480000000 GH:
7.39 17.4		mmm	harthy	mmm	↓ ↓ ↓	
27.4 37.4	Mr					
47.4 57.4						
67.4						CF Step
Center 2.4 #Res BW			#VBW 91 kHz		Span 2 MHz Sweep 2.667 ms	200.000 kH <u>Auto</u> Mar
Occup	ied Bandwidt 1.	^h 2269 MH	z			Freq Offse 0 H
Transm	nit Freq Error	-12.104 kH	z OBW Pov	wer 99	9.00 %	
x dB Ba	andwidth	1.299 MF	lz x dB	-20.	00 dB	

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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)	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.

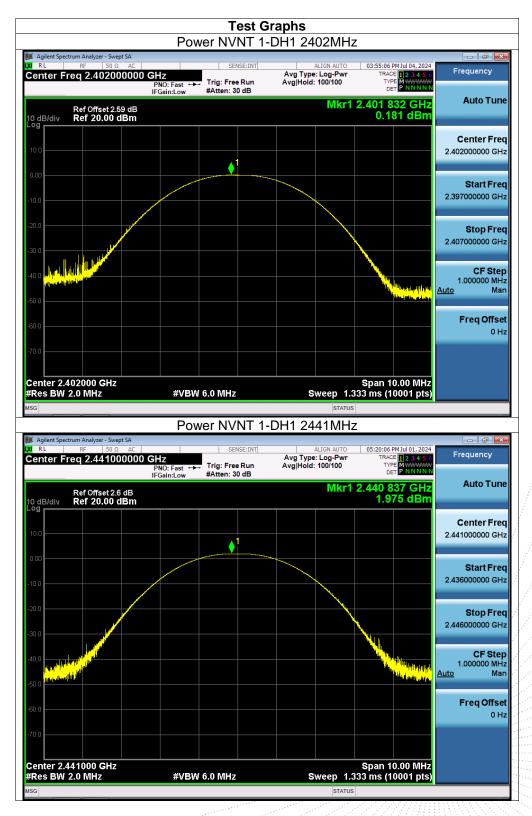
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

11.4 Test Result

Temperature:	26 ℃		Relative Humidity:	54%				
Test Voltage:	AC 120V/60Hz		Remark:	N/A		/ /		
		14 A.			11	1	1.1	

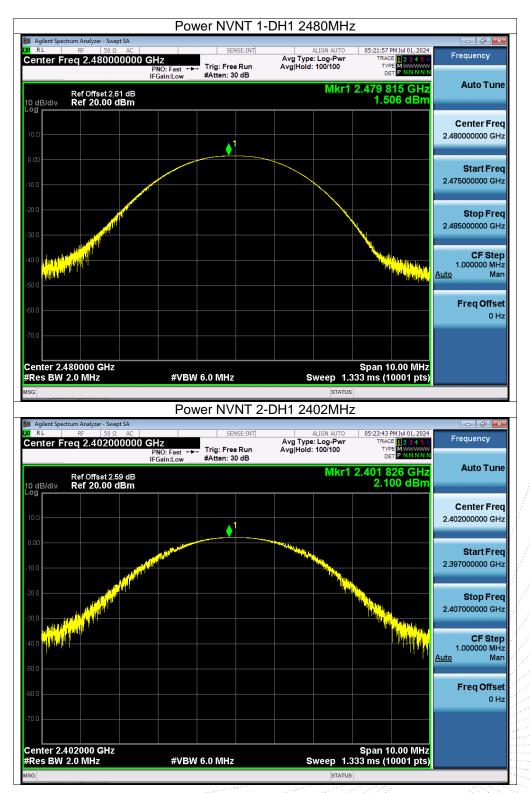
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	0.18	21	Pass
NVNT	1-DH1	2441	1.98	21	Pass
NVNT	1-DH1	2480	1.51	21	Pass
NVNT	2-DH1	2402	2.1	21	Pass
NVNT	2-DH1	2441	1.98	21	Pass
NVNT	2-DH1	2480	1.52	21	Pass
NVNT	3-DH1	2402	2.11	21	Pass
NVNT	3-DH1	2441	1.99	21	Pass
NVNT	3-DH1	2480	1.52	21	Pass



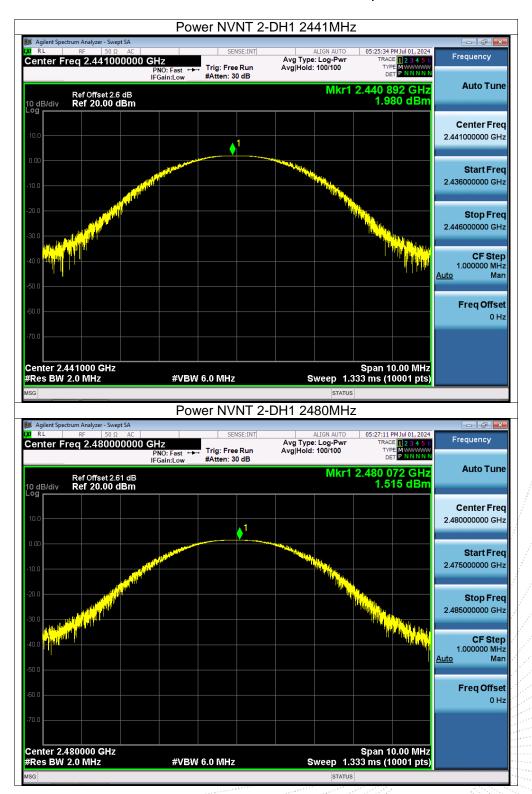


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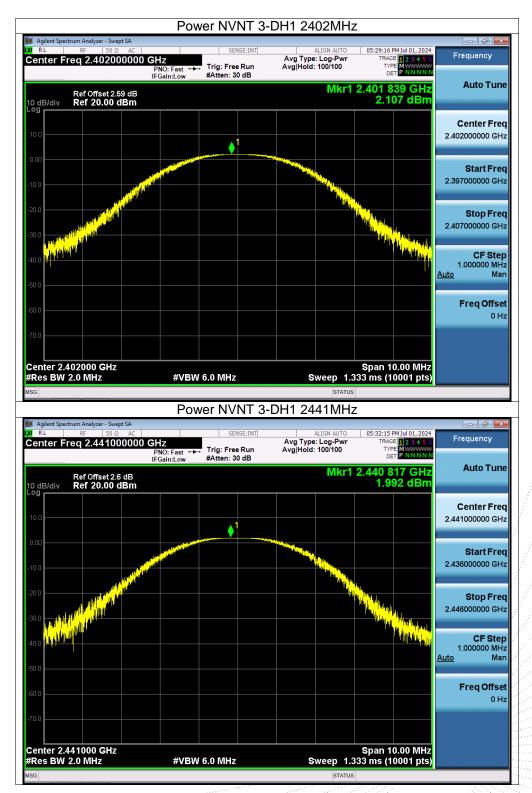




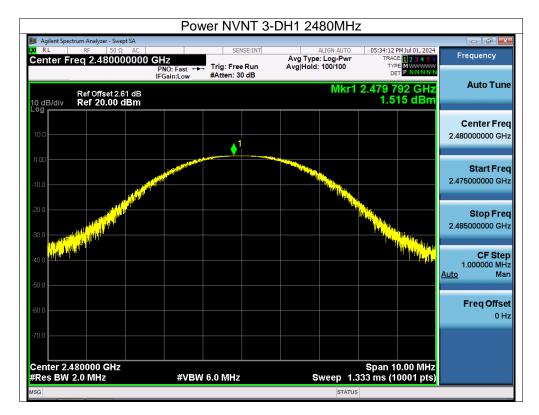


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12. Hopping Channel Separation

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.

Condition	Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	2402.15	2403.15	1	0.626	Pass
NVNT	1-DH1	2441.156	2442.158	1.002	0.568	Pass
NVNT	1-DH1	2479.154	2480.154	1	0.579	Pass
NVNT	2-DH1	2402.146	2403.152	1.006	0.868	Pass
NVNT	2-DH1	2441.15	2442.158	1.008	0.873	Pass
NVNT	2-DH1	2479.152	2480.15	0.998	0.848	Pass
NVNT	3-DH1	2401.836	2402.834	0.998	0.884	Pass
NVNT	3-DH1	2440.83	2441.836	1.006	0.877	Pass
NVNT	3-DH1	2478.834	2479.832	0.998	0.866	Pass

12.4 Test Result



		Test G FS NVNT 1-I	DH1 2402MHz		
Agilent Spectrum Analyzer - Sw RL RF 50 enter Freq 2.4025	Ω AC	SENSE:INT → Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	05:18:46 PM Jul 01, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN	
Ref Offset 2 0 dB/div Ref 20.00	2.59 dB		Mkr1	2.402 150 GHz 1.570 dBm	Auto Tur
				2	Center Fre 2.402500000 GH
					Start Fre 2.401500000 GH
50.0 50.0 70.0					Stop Fre 2.403500000 GH
enter 2.402500 GH Res BW 30 kHz		W 100 kHz	Sweep 2.	Span 2.000 MHz 133 ms (1001 pts)	CF Ste 200.000 k⊦ <u>Auto</u> Ma
1 N 1 f 2 N 1 f 3 - - - 4 - - - 5 - - - 6 - - -	2.402 150 GHz 2.403 150 GHz	1.570 dBm 1.547 dBm		E	Freq Offs 0 F
7 8 9 10 11					
G			STATUS	Þ	
. Agilent Spectrum Analyzer - Sw		FS NVNT 1-I			
RL RF 50	Ω AC 500000 GHz PNO: Wide C	SENSE:INT	Aug Type: Log-Pwr Avg Hold:>100/100	05:21:04 PMJul 01, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN	-
RL RF 50 enter Freq 2.4415 Ref Offset 2 0 dB/div Ref 20.00	Ω AC PNO: Wide CIFGain:Low		ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 1 2 3 4 5 6	Frequency
RL RF 50 enter Freq 2.4415 Ref Offset 2 0 dB/div Ref 20.00 99	Ω AC PNO: Wide CIFGain:Low	Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN 2.441 156 GHz	Frequency Auto Tur Center Fre
RL RF 50 enter Freq 2.4415 Ref Offset 2 0 dB/div Ref 20.00 0 dB/div Ref 20.00 0 0 0 00 0 0 0 0 0 00 0 0 0 0 0 0 00 <	Ω AC PNO: Wide CIFGain:Low	Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 1 2 3 4 5 6 TYPE MUNITURE DET PNNNN 2.441 156 GHz 1.130 dBm	Frequency Auto Tur Center Fre 2.441500000 GH Start Fre
RL RF 50 enter Freq 2.4415 Ref Offset 2 0 dB/div Ref 20.00 0 dB/div Ref 20.00 0 0 0 dB/div Ref 20.00	Ω AC PNO: Wide CIFGain:Low	Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 1 2 3 4 5 6 TYPE MUNITURE DET PNNNN 2.441 156 GHz 1.130 dBm	Frequency Auto Tur Center Fre 2.441500000 GH Start Fre 2.440500000 GH
RL RF 50 enter Freq 2.4415 Ref Offset 2 dd/div Ref 20.00 0 dd/div Ref 20.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ω AC 00000 GHz IFGain:Low 2.6 dB 0 dBm 1 1 1 2 2 4 WB	Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	2.441 156 GHz 1.130 dBm	
RL RF 50 center Freq 2.4415 Ref Offset 2	Ω AC COUCOUNT OF COUNT OF CO	Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hoid:>100/100	2.441 156 GHz 1.130 dBm	Frequency Auto Tur Center Fre 2.441500000 GF Start Fre 2.440500000 GF Stop Fre 2.442500000 GF CF Ste 200.000 kF

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	CFS NVNT	1-DH1 2480MHz		
Milent Spectrum Analyzer - Sw				- F ×
Center Freq 2.4795		Avg Type: Log-Pwr Avg Hold:>100/100	05:22:34 PM Jul 01, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N N	Frequency
Ref Offset 2 10 dB/div Ref 20.00	.61 dB	Mkr1	2.479 154 GHz 0.812 dBm	Auto Tune
	1		2 	Center Freq 2.479500000 GHz
-10.0				Start Freq
-40.0				2.478500000 GHz Stop Freq
-60.0				2.480500000 GHz
Center 2.479500 GHz #Res BW 30 kHz	#VBW 100 kHz	Sweep 2.	Span 2.000 MHz .133 ms (1001 pts)	CF Step 200.000 kHz <u>Auto</u> Man
1 N 1 f 2 N 1 f 3 4 5 5	2.479 154 GHz 0.812 dBm 2.480 154 GHz -0.164 dBm		E	Freq Offset 0 Hz
6 7 8 9 10				
MSG		STATUS		
	CES NVNT	2-DH1 2402MHz		
🎉 Agilent Spectrum Analyzer - Sw				- F -×
Center Freq 2.4025		Avg Type: Log-Pwr un Avg Hold:>100/100	05:24:35 PM Jul 01, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
Ref Offset 2 10 dB/div Ref 20.00		Mkr1	2.402 146 GHz 1.441 dBm	Auto Tune
10.0 0.00 .10.0			2	Center Freq 2.402500000 GHz
-20.0				Start Freq 2.401500000 GHz
-40.0 -50.0 -60.0				Stop Freq 2.403500000 GHz
-70.0 Center 2.402500 GHz			Span 2.000 MHz	CF Step
#Res BW 30 kHz	#VBW 100 kHz		.133 ms (1001 pts)	200.000 kHz <u>Auto</u> Man
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 4 5 5 6 6 6	X Y 2.402 146 GHz 1.441 dBm 2.403 152 GHz 1.545 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset 0 Hz
7 8 9 10 11				



	CF	S NVNT 2-D	H1 2441MHz		
Agilent Spectrum Analyzer - Swe	ept SA	SENSE:INT	ALIGN AUTO	05:26:13 PM Jul 01, 2024	
Center Freq 2.4415		Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr Avg Hold:>100/100	05:26:13 PM Jul 01, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P N N N N	Frequency
Ref Offset 2. 10 dB/div Ref 20.00	6 dB dBm		Mkr1	2.441 150 GHz 0.058 dBm	Auto Tune
10.0 0.00		~		2 2	Center Freq 2.441500000 GHz
-20.0		Marray Marray			Start Freq
-30.0					2.440500000 GHz
-70.0					Stop Freq 2.442500000 GHz
Center 2.441500 GHz #Res BW 30 kHz		100 kHz	Sweep 2.	Span 2.000 MHz 133 ms (1001 pts)	CF Step 200.000 kHz Auto Man
MKR MODE TRC SCL	× 2.441 150 GHz	Y FUI 0.058 dBm	ICTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man
2 N 1 f 3 4 5	2.441 150 GHZ 2.442 158 GHz	0.514 dBm			Freq Offset 0 Hz
6 7 8 9					
10 11					
MSG		m	STATUS	•	
mag					
Agilent Spectrum Analyzer - Swe		S NVNT 2-L	0H1 2480MHz		
LXIRL RF 50Ω	2 AC	SENSE:INT	ALIGN AUTO	05:27:59 PM Jul 01, 2024	Frequency
Center Freq 2.4795	00000 GHz PNO: Wide IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 123456 TYPE MWWWW DET PNNNNN	Auto Tune
Ref Offset 2. 10 dB/div Ref 20.00	.61 dB dBm		Mkr1	2.479 152 GHz 0.545 dBm	
10.0 0.00 -10.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2	Center Freq 2.479500000 GHz
-20.0					Start Freq 2.478500000 GHz
-40.0					Stop Freq
-70.0					2.480500000 GHz
Center 2.479500 GHz #Res BW 30 kHz		100 kHz	Sweep 2.	Span 2.000 MHz 133 ms (1001 pts)	CF Step 200.000 kHz <u>Auto</u> Man
1 N 1 f 2 N 1 f 3 - - - 4 - - - 5 - - - 6 - - - -	2.479 152 GHz 2.480 150 GHz	0.545 dBm 0.967 dBm		E	Freq Offset 0 Hz
7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					
MSG		m	STATUS	*	



	CFS NVN	T 3-DH1 2402MHz		
Magilent Spectrum Analyzer - Swe				- ¢ ×
Center Freq 2.4025			05:31:48 PM Jul 01, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNNN	Frequency
Ref Offset 2 10 dB/div Ref 20.00	.59 dB		2.401 836 GHz 0.475 dBm	Auto Tune
Log 10.0 10.0 .10.0 10.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	· · · · · · · · · · · · · · · · · · ·	Center Freq 2.402500000 GHz
-20.0 -30.0 -40.0				Start Freq 2.401500000 GHz
-60.0 -60.0 -70.0				Stop Freq 2.403500000 GHz
Center 2.402500 GHz #Res BW 30 kHz	#VBW 100 kHz	Sweep 2	Span 2.000 MHz 2.133 ms (1001 pts)	CF Step 200.000 kHz <u>Auto</u> Man
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 4 5	X Y 2.401 836 GHz 0.475 dB 2.402 834 GHz 0.486 dB		FUNCTION VALUE	Freq Offset 0 Hz
6 7 8 9 10 11				
			•	
MSG	050 \\\			
Agilent Spectrum Analyzer - Swe		T 3-DH1 2441MHz		
LXIRL RF 50 S	2 AC SENS	SE:INT ALIGN AUTO	05:33:17 PM Jul 01, 2024	Frequency
Center Freq 2.4415	000000 CHZ PNO: Wide IFGain:Low #Atten: 30		TRACE 1 2 3 4 5 6 TYPE MWWWW DET PNNNNN	Auto Tune
Ref Offset 2 10 dB/div Ref 20.00		Mkr1	2.440 830 GHz 0.006 dBm	Auto Tune
10.0 0.00 -10.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Center Freq 2.441500000 GHz
20.0				
-20.0 -30.0 -40.0				Start Freq 2.440500000 GHz
-30.0				
-30.0 -40.0 -50.0 -60.0 -70.0 Center 2.441500 GHz #Res BW 30 kHz	#VBW 100 kHz		Span 2.000 MHz .133 ms (1001 pts)	2.440500000 GHz Stop Freq
.30.0 .40.0 .40.0 .40.0 .60.0 .40.0 .60.0 .40.0 .7		FUNCTION FUNCTION WIDTH	.133 ms (1001 pts)	2.440500000 GHz Stop Freq 2.442500000 GHz CF Step 200.000 kHz
.30.0 .40.0 .50.0 .60.0 .60.0 .70.0 <t< td=""><td>#VBW 100 kHz</td><td>FUNCTION FUNCTION WIDTH</td><td>.133 ms (1001 pts)</td><td>2.440500000 GHz Stop Freq 2.442500000 GHz <u>CF Step</u> 200.000 kHz <u>Auto</u> Man Freq Offset</td></t<>	#VBW 100 kHz	FUNCTION FUNCTION WIDTH	.133 ms (1001 pts)	2.440500000 GHz Stop Freq 2.442500000 GHz <u>CF Step</u> 200.000 kHz <u>Auto</u> Man Freq Offset



	CFS	S NVNT 3	3-DH1 24	180MHz			
Juient Spectrum Analyzer - Swept SA							
KI RL RF 50Ω AC Center Freq 2.47950000	0 GHz PNO: Wide C	SENSE:INT Trig: Free Run #Atten: 30 dB	Avg Ty	ALIGN AUTO pe: Log-Pwr Id:>100/100	TRAC	PM Jul 01, 2024 E 123456 E MWWWWWW T P N N N N	Frequency
Ref Offset 2.61 dB				Mkr1	2.478 8 -0.6	34 GHz 12 dBm	Auto Tune
Log 10.0 0.00 .10.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	X	2		~~~~	Center Freq 2.479500000 GHz
-20.0 -30.0 -40.0							Start Freq 2.478500000 GHz
-50.0 -60.0 -70.0							Stop Freq 2.480500000 GHz
Center 2.479500 GHz #Res BW 30 kHz	#VBW 1	100 kHz		Sweep 2	Span 2. .133 ms (′		CF Step 200.000 kHz
MKR MODE TRC SCL X	78 834 GHz	Y -0.612 dBm	FUNCTION	UNCTION WIDTH	FUNCTIO	N VALUE	<u>Auto</u> Man
2 N 1 f 2.4 3 4 5 5	79 832 GHz	-0.266 dBm					Freq Offset 0 Hz
6 7 8 9							
MSG				STATUS	3		

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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



	Test		1
🍯 Agilent Spectrum Analyzer - Sw		NT 1-DH1 2441MH	
RL RF 50 Center Freq 2.4417		ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	05:42:23 PM Jul 01, 2024 TRACE 2 3 4 5 6 TYPE MWWWWW DET P NNNNN
Ref Offset 2 10 dB/div Ref 20.00		Mkr1 2.40	1 837 0 GHz Auto Tu 1.627 dBm
Log 10.0 1			2.441750000 G
-20.0			Start Fr 2.400000000 G
-60.0			Stop Fr 2.483500000 G
Start 2.40000 GHz #Res BW 100 kHz	#VBW 300 kHz		p 2.48350 GHz 0 ms (1001 pts) FUNCTION VALUE
1 N 1 f 2 N 1 f 3 - - - 4 - - - 5 - - - 6 - - - 7 - - -	2.401 837 0 GHz 1.627 dBm 2.479 993 0 GHz 1.433 dBm		Freq Offs
8 9 10 11 •			
ISG			
Agilent Spectrum Analyzer - Sw	vept SA	NT 2-DH1 2441MH	
XI RF 50 Center Freq 2.4417	Ω AC SENSE:IN 750000 GHz PNO: Fast IFGain:Low #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	05:46:58 PM Jul 01, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNNN
Ref Offset 2 10 dB/div Ref 20.00	2.6 dB	Mkr1 2.40	1 503 0 GHz -3.481 dBm
10.0 0.00 -10.0	www.www.www.www.www.www.	andranananananananananananananananananan	Center Fro 2.441750000 G
-20.0			Start Fr 2.40000000 G
-60.0			Stop Fr 2.483500000 G
Start 2.40000 GHz #Res BW 100 kHz	#VBW 300 kHz		pp 2.48350 GHz 0 ms (1001 pts) FUNCTION VALUE
1 N 1 f 2 N 1 f 3 4 5 6	2.401 503 0 GHz -3.481 dBm 2.480 494 0 GHz -5.224 dBm		Freq Offs
7			
8 9 10 11			



Нор	ping No. NVNT	3-DH1 2441N	ЛНz	
June 2015 August Analyzer - Swept SA				- # ×
KL RF 50 Ω AC Center Freq 2.441750000 GHz	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	05:51:50 PM Jul 01, 2024 TRACE 1 2 3 4 5 6	Frequency
PNO: Fast IFGain:Lov		Avg Hold:>100/100	DET PNNNN	
Ref Offset 2.6 dB		Mkr1 2.	401 586 5 GHz	Auto Tune
10 dB/div Ref 20.00 dBm			-3.439 dBm	
10.0				Center Freq
	ት የተከሰደ የተከሰደ የስለ			2.441750000 GHz
-10.0	a	4444224103414148444	****	
-20.0				Start Freq
-30.0			<u> </u>	2.400000000 GHz
-40.0			শ	
-50.0			¥	Stop Freq
-60.0				2.483500000 GHz
-70.0				
Start 2.40000 GHz			Stop 2.48350 GHz	CF Step
#Res BW 100 kHz #V	'BW 300 kHz	Sweep 8.	000 ms (1001 pts)	8.350000 MHz Auto Man
MKR MODE TRC SCL X 1 N 1 f 2.401 586 5 GHz	Y FUN -3.439 dBm	CTION FUNCTION WIDTH	FUNCTION VALUE	Man
2 N 1 f 2.480 410 5 GHz	-2.480 dBm			Freq Offset
3 4				0 Hz
6			E	
8				
9				
11			*	
MSG	m	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).

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14.4 Test Result

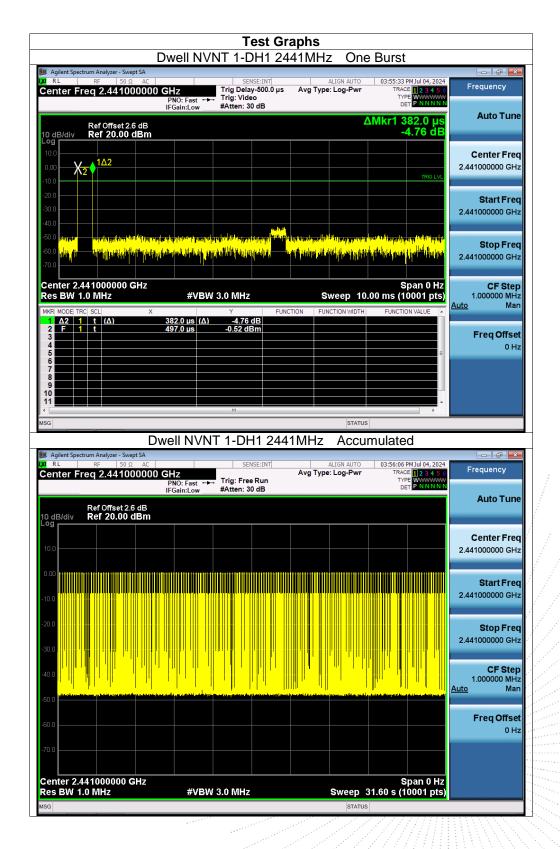
Condition	Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	0.382	121.094	317	31600	400	Pass
NVNT	1-DH3	2441	1.639	254.045	155	31600	400	Pass
NVNT	1-DH5	2441	2.886	288.6	100	31600	400	Pass
NVNT	2-DH1	2441	0.392	125.048	319	31600	400	Pass
NVNT	2-DH3	2441	1.643	249.736	152	31600	400	Pass
NVNT	2-DH5	2441	2.892	335.472	116	31600	400	Pass
NVNT	3-DH1	2441	0.392	125.048	319	31600	400	Pass
NVNT	3-DH3	2441	1.642	267.646	163	31600	400	Pass
NVNT	3-DH5	2441	2.893	315.337	109	31600	400	Pass

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

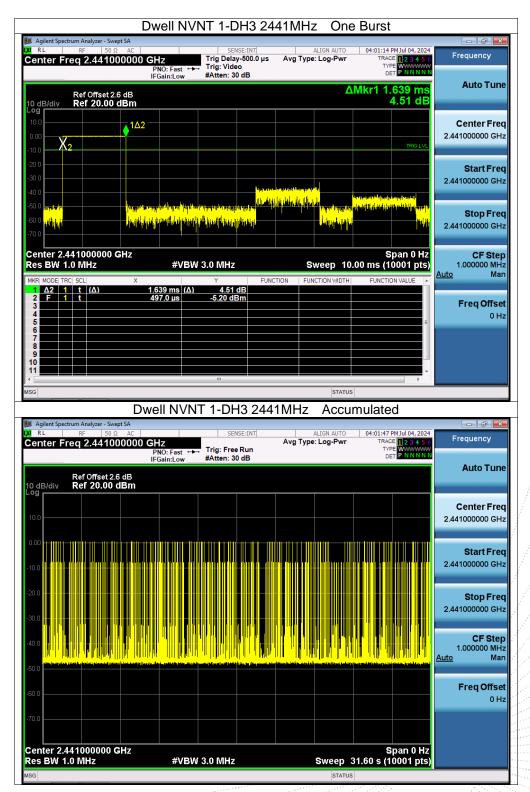
No.: BCTC/RF-EMC-005

Page: 72 of 86











	ell NVNT 1-DF	15 Z44 I MHZ	One Burs	t	
Magilent Spectrum Analyzer - Swept SA	SENSE		LIGN AUTO 04:02:0	5 PM Jul 04, 2024	e e 🔀
Center Freq 2.441000000 GHz		500.0 µs Avg Type:	Log-Pwr TRA	ACE 123456 YPE WWWWWWW DET PNNNNN	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm			ΔMkr1 2	2.886 ms -2.08 dB	Auto Tune
10.0					Center Freq 2.44100000 GHz
-10.0 -20.0	1Δ2			TRIG LVL	
-30.0					Start Freq 2.441000000 GHz
-50.0 yeles 0		alaha tahungkeralah menerahan da <mark>Ang panangkan dari panangkan dari</mark>			Stop Freq 2.441000000 GHz
-70.0 Center 2.441000000 GHz				Span 0 Hz	CF Step
Res BW 1.0 MHz	#VBW 3.0 MHz		veep 10.00 ms (1.000000 MHz <u>Auto</u> Man
	Oms (Δ) -2.08 dE 0 μs -12.72 dBm	3	CTION WIDTH FUNCT	ION VALUE	Freq Offset
5 6 7 8					
9 10 11				-	
MSG			STATUS		
Dwell	NVNT 1-DH		A I I		
		2441IVIHZ	Accumulate	ed	
Agilent Spectrum Analyzer - Swept SA KM RL RF 50 Ω AC	SENSE	:INT A	LIGN AUTO 04:02:3	8 PM Jul 04, 2024	Frequency
IX RL RF 50 Ω AC Center Freq 2.441000000 GHz PNC PNC	SENSE	INT A Avg Type: un	LIGN AUTO 04:02:3		Frequency
IX RL RF 50 Ω AC Center Freq 2.441000000 GHz PNC PNC	SENSE SENSE	INT A Avg Type: un	LIGN AUTO 04:02:3	8 PM Jul 04, 2024	
IM RF 50 Ω AC Center Freq 2.441000000 GHz PNC PNC PNC In GB/div Ref Offset 2.6 dB B 10 dB/div Ref 20.00 dBm B	SENSE SENSE	INT A Avg Type: un	LIGN AUTO 04:02:3	8 PM Jul 04, 2024	Frequency
RL RF 50 Ω AC Center Freq 2.441000000 GHz PNC PNC PNC IO dB/div Ref Offset 2.6 dB Cog Ref 20.00 dBm	SENSE SENSE	INT A Avg Type: un	LIGN AUTO 04:02:3	8 PM Jul 04, 2024	Frequency Auto Tune Center Freq
RL RF 50 Q. AC Center Freq 2.441000000 GHz PNC PRC PNC Image: Constraint of the state of the	SENSE SENSE	INT A Avg Type: un	LIGN AUTO 04:02:3	8 PM Jul 04, 2024	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq
RL RF 50 Ω AC Center Freq 2.441000000 GHz PNO PNO IPNO IPNO IFGa 10 dB/div Ref Offset 2.6 dB Ref 20.00 dBm IPNO IFGa IPNO IFGa 100 dB/div Ref 20.00 dBm IPNO IPNO IPNO IFGa 100 dB/div Ref 20.00 dBm IPNO	SENSE SENSE	INT A Avg Type: un	LIGN AUTO 04:02:3	8 PM Jul 04, 2024	Frequency Auto Tune Center Freq 2.441000000 GHz 2.441000000 GHz Stop Freq 2.441000000 GHz
Image: Second state stat	SENSE SENSE	INT A Avg Type: un	LIGN AUTO 04:02:3	8 PM Jul 04, 2024	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq
RL RF 50 Ω AC Center Freq 2.441000000 GHz PNO PNO IPNO IPNO IFGa 10 dB/div Ref Offset 2.6 dB Ref 20.00 dBm IPNO IFGa IPNO IFGa 100 dB/div Ref 20.00 dBm IPNO IPNO IPNO IFGa 100 dB/div Ref 20.00 dBm IPNO	SENSE SENSE	INT A Avg Type: un	LIGN AUTO 04:02:3	8 PM Jul 04, 2024	Frequency Auto Tune Center Freq 2.44100000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz
RL PF 50 Q. AC Center Freq 2.441000000 GHz PNC PNC PNC IFGa I0 dB/div Ref Offset 2.6 dB Ref 20.00 dBm Image: Comparison of the second se	SENSE SENSE	INT A Avg Type: un	LIGN AUTO 04:02:3	8 PM Jul 04, 2024	Frequency Auto Tune Center Freq 2.44100000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man Freq Offset
RL RF 50 Q AC Center Freq 2.441000000 GHz PAC PAC Ref Offset 2.6 dB Ref 20.00 dBm PAC Io Bit of the set of	SENSE SENSE	EINT AVG Type: Lun B Avg Type: Lun Comparison of the second se Second second sec	LIGN AUTO 04:02:3 Log-Pwr TR T		Frequency Auto Tune Center Freq 2.44100000 GHz Start Freq 2.44100000 GHz 2.44100000 GHz 2.44100000 GHz CF Step 1.00000 MHz Auto Man



Ber -		/NT 2-DH1 2	441MHz	One Bu	rst	
Magilent Spectrum Analyzer - Swe M RL RF 50 Ω Center Freq 2.44100	2 AC	SENSE:INT Trig Delay-500.0 µs → Trig: Video			56:21 PM Jul 04, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWW DET P N N N N N	Frequency
Ref Offset 2. 10 dB/div Ref 20.00	IFGain:Low	#Atten: 30 dB		ΔMkr	1 392.0 µs 5.99 dB	Auto Tune
10 dB/div Ref 20.00 Log 10.0 0.00						Center Freq 2.441000000 GHz
-10.0 X2					TRIG LVL	Start Freq
-30.0 -40.0 -50.0	and the second sec	۲) <mark>Tan (Tan ^gan (Tan fan (Tan fan(</mark>	In Constant of the Article	ni fan stanse de ^{fa} stinste	a a la parte de la companya de la co	2.441000000 GHz
	Maradaya	a second the second	ntrangendeitter	ded of the product of the second s		Stop Freq 2.441000000 GHz
Center 2.441000000 C Res BW 1.0 MHz	#VB1	W 3.0 MHz		eep 10.00 m	Span 0 Hz s (10001 pts)	CF Step 1.000000 MHz <u>Auto</u> Man
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Х 392.0 µs (Д 497.0 µs					Freq Offset
5 6 7 8					E	0 Hz
9 10 11						
MSG		NT 2-DH1 24	/1M⊔-	status Accumula	atod	
J Agilent Spectrum Analyzer - Swe	ept SA	SENSE:INT			56:54 PM Jul 04, 2024	
Center Freq 2.44100			Avg Type: L		TRACE 1 2 3 4 5 6 TYPE WWWW DET P NNNNN	Frequency
Ref Offset 2.0 10 dB/div Ref 20.00						Auto Tune
10.0					_	Center Freq 2.441000000 GHz
0.00						Start Freq
-10.0						2.441000000 GHz
-20.0						Stop Freq 2.441000000 GHz
						CF Step 1.000000 MHz <u>Auto</u> Man
-40.0						
-50.0				and a statistic firm of a statistic statistic statistic statistics and the statistics	ing and star and a star	
						Freq Offset 0 Hz
-50.0		W 3.0 MHz			Span 0 Hz s (10001 pts)	



	Dwell NV	'NT 2-DH3 2	441MHz	One Bu	rst	
Agilent Spectrum Analyzer - Swi R L RF 50 G	Ω AC	SENSE:INT		GN AUTO 04:0	2:58 PM Jul 04, 2024	Frequency
Center Freq 2.4410	PNO: Fast ↔ IFGain:Low	Totas Midaa	s Avg Type: Lo	og-Pwr	TRACE 1 2 3 4 5 6 TYPE WWWWW DET P NNNNN	
Ref Offset 2 10 dB/div Ref 20.00	2.6 dB			ΔMkr1	1.643 ms 1.99 dB	Auto Tune
10.0						Center Freq
-10.00	1∆2				TRIG LVL	2.441000000 GHz
-20.0						Start Freq
-30.0						2.441000000 GHz
-50.0 <mark>(Hethy)</mark>						Stop Freq
-60.0			line de la collection de l	<mark>pikanpan pitti k</mark> a	ite in the second	2.441000000 GHz
Center 2.441000000	GH7				Span 0 Hz	CF Step
Res BW 1.0 MHz		V 3.0 MHz		eep 10.00 m	s (10001 pts)	1.000000 MHz Auto Man
MKR MODE TRC SCL	× 1.643 ms (Δ)	1.99 dB	INCTION FUNCTION	ION WIDTH FU	NCTION VALUE	
2 F 1 t 3	485.0 µs	-12.84 dBm				Freq Offset
5 6					E	0 Hz
7						
10 11						
•		III				
MSG				SUITATS		
MSG	Dwell NVN	IT 2-DH3 24	41MHz	status Accumula	ated	
Ju Agilent Spectrum Analyzer - Sw	vept SA	IT 2-DH3 24		Accumula		
	rept SA Ω AC 00000 GHz	SENSE:INT			3:32 PM Jul 04, 2024 TRACE 1 2 3 4 5 6	Frequency
Agilent Spectrum Analyzer - Sw WR RL RF 50 5 Center Freq 2.4410	ept SA Ω AC I 000000 GHz PNO: Fast ↔ IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024	
Agilent Spectrum Analyzer - Sw RL RF 505 Center Freq 2.4410 Ref Offset 2.	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 TRACE 1 2 3 4 5 6	Frequency
Agilent Spectrum Analyzer - Sw M RL RF 50 5 Center Freq 2.4410 Ref Offset 2.	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 TRACE 1 2 3 4 5 6	Frequency
Agilent Spectrum Analyzer - Sw WRL RF 505 Center Freq 2.4410 Ref Offset 2.	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 TRACE 1 2 3 4 5 6	Frequency Auto Tune
Agilent Spectrum Analyzer - Sw Center Freq 2.4410 Ref Offset 2. 10 dB/div Ref 20.00	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz
Agilent Spectrum Analyzer - Sw M RL RF 50 4 Center Freq 2.4410 Ref Offset 2: 10 dB/div Ref 20.00 10.0	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq
Agilent Spectrum Analyzer - Sw Ref Coffset 2. Center Freq 2.4410 Ref Offset 2. OdB/div Ref 20.00 OdB/div Ref 20.00	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq
Agilent Spectrum Analyzer - Sw M RL RF 50 g Center Freq 2.4410 Ref Offset2 Cog 10 dB/div Ref 20.00 0.00 Here and the second se	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz
Agilent Spectrum Analyzer - Sw Ref Coffset 2. Center Freq 2.4410 Ref Offset 2. OdB/div Ref 20.00 OdB/div Ref 20.00	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz 2.441000000 GHz
Agilent Spectrum Analyzer - Sw Ref Offset 2, Center Freq 2,4410	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 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
Agilent Spectrum Analyzer - Switcher Ref Offset 2. Center Freq 2.4410 Ref Offset 2. O dB/div Ref 20.00 0.00	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 TRACE 1 2 3 4 5 6	Frequency Auto Tune Center Freq 2.441000000 GHz 2.441000000 GHz Stop Freq 2.441000000 GHz
Agilent Spectrum Analyzer - Sw R RF 50 (3) Center Freq 2.4410 Ref Offset 2, 400 Log Ref Offset 2, 400 10 dB/div Ref 20.00 10 0 10 0 -20 0 10 0 -30 0 10 0	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 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
Agilent Spectrum Analyzer - Sw RL Ref Center Freq 2.4410 Center Freq 2.4410 OdB/div Ref Offset 2 OdB/div Ref 20.00 Ref 20.00 OdB/div	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 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
Agilent Spectrum Analyzer - Sw Ref So Ref Freq 2.4410 Ref Offset 2, 10 dB/div Ref Offset 2, 20 dB/div Ref Offset 2, 10 dB/div 10 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 20 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 10 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 10 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 10 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 10 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 10 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 10 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 10 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 10 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 10 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 10 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 10 dB/div Ref Offset 2, 10 dB/div Ref Offset 2, 10 dB/div 10 d	ept SA Ω AC D00000 GHz PNO: Fast → IFGain:Low	SENSE:INT	ALIC		3:32 PM Jul 04, 2024 TRACE 1 2 3 4 5 6	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
Agilent Spectrum Analyzer - Swith Rel Ref 50 (2000) Center Freq 2.4410 Ref Offset 2, 4410 Log Ref Offset 2, 4410 Log <thref of<="" td=""><td>ept SA Ω AC PN0: Fast → IFGain:Low 6 dB dBm 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>SENSE:INT</td><td>ALIC</td><td></td><td>3:32 PM Juli 04, 2024 Triffee University 2:34 3:6 Triffee University 2:34 3:35 3:35 3:35 3:35 3:35 3:35 3:35 3</td><td>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</td></thref>	ept SA Ω AC PN0: Fast → IFGain:Low 6 dB dBm 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SENSE:INT	ALIC		3:32 PM Juli 04, 2024 Triffee University 2:34 3:6 Triffee University 2:34 3:35 3:35 3:35 3:35 3:35 3:35 3:35 3	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
Agilent Spectrum Analyzer - Sw QY RL RF S0 (2000) Center Freq 2.4410 Ref Offset 2. S0 (2000) Log Ref Offset 2. S0 (2000) Log Ref 20.00 Ref 20.00 Log Ref 20.00	ept SA Ω AC PN0: Fast → IFGain:Low 6 dB dBm 00000 GHz 0000 GHZ 0000 GHZ 0000 GHZ 0000 GHZ	SENSE:INT			3:32 PM JUI 04, 2024 TRACE 2:3 4 5 6 TYPE WINNINN DET PINNINNN 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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



Dire	II NVNT 2-DH5 24	141MHz One	e Burst	
Agilent Spectrum Analyzer - Swept SA XM RF 50 Ω AC Center Freq 2.441000000 GHz	SENSE:INT Trig Delay-500.0 µs Fast ↔ Trig: Video	ALIGN AUTO Avg Type: Log-Pwr	04:03:54 PM Jul 04, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWW DET P N N N N N	Frequency
Ref Offset 2.6 dB	n:Low #Atten: 30 dB	Δ	Mkr1 2.892 ms 1.63 dB	Auto Tune
10 dB/div Ref 20.00 dBm				Center Freq 2.441000000 GHz
-10.0 Vertex a tribulation of the standard and the standard	1Δ2		TRIG LVL	Start Freq
-30.0				2.441000000 GHz
-50.0 kovy Al	na kan pangan ng mangan ng man Tang pangan ng mangang n		land dina a pina a p International dina a pina a	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 482.	ms (Δ) 1.63 dB	ICTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man
3 4 5 6			======================================	Freq Offset 0 Hz
7 8 9 10				
MSG	m	STATUS		
Dwell Majilent Spectrum Analyzer - Swept SA	NVNT 2-DH5 244	1MHz Accu	mulated	
X RF 50 Ω AC Center Freq 2.441000000 GHz PNO	: Fast ↔ Trig: Free Run n:Low #Atten: 30 dB	ALIGN AUTO	04:04:27 PM Jul 04, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P N N N N	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm Log	incow writen to ab			Auto Tune
- ° 9				
10.0				Center Freq 2.441000000 GHz
0.00				2.441000000 GHz
				2.441000000 GHz Start Freq
0.00				2.44100000 GHz Start Freq 2.44100000 GHz Stop Freq 2.44100000 GHz CF Step 1.00000 MHz
0.00				2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz <u>Auto</u> Man
0.00 -100 -200 -300 -400 -500				2.44100000 GHz Start Freq 2.44100000 GHz Stop Freq 2.44100000 GHz CF Step 1.00000 MHz
0.00			Span 0 Hz	2.44100000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz CF Step 1.000000 MHz <u>Auto</u> Man Freq Offset

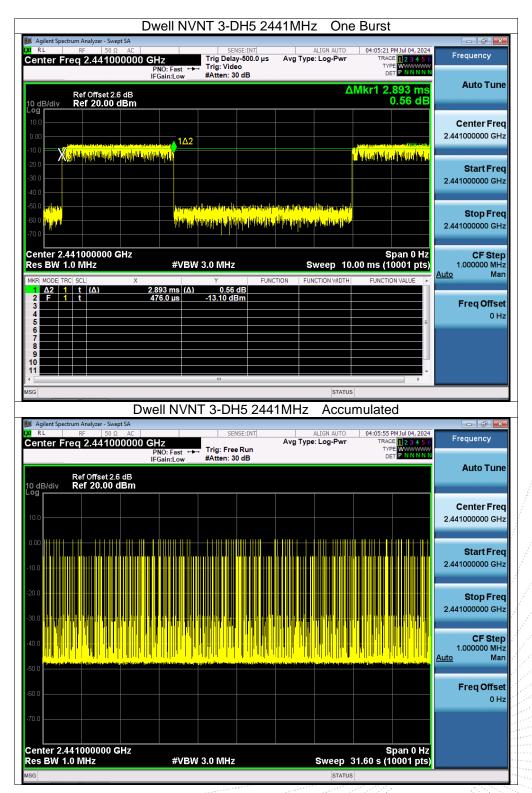


		VNT 3-DH	11 244	1MHz	One	e Burst		
Agilent Spectrum Analyzer - Sw RL RF 50 Center Freq 2.4410	Ω AC	SENSE		Avg Type:	LIGN AUTO	03:57:17 PM	ul 04, 2024	Frequency
	PNO: Fast + IFGain:Low	Talas Malas				TYPE DET	NNNNN	
Ref Offset 2 10 dB/div Ref 20.00					L	Mkr1 39: -4.	2.0 µs 33 dB	Auto Tune
10 dB/div Ref 20.00								Center Fred
0.00 X₂ 1∆2							TRIG LVL	2.441000000 GHz
-10.0								Start Fred
-30.0								2.441000000 GHz
-40.0 -50.0 <mark>ppsingun spingun spingun</mark>	and the growth of population of the spinon	ulre or a the appleting of a	laddad Annal <mark>Harddon y</mark>	ana Athata a tana a ta	Land in the second s	deligitation and the state	en line and an	Oton From
-60.0 -11 -11	a phance and a stationary	- alternation of the state of the	<mark>nya</mark> nya	and the first of	uning the second se	<mark>nap an Nordan</mark>	the opening	Stop Fred 2.441000000 GHz
Center 2.441000000	GH7					Spa	an 0 Hz	CF Step
Res BW 1.0 MHz	#VB	W 3.0 MHz	-			.00 ms (100	01 pts)	1.000000 MHz Auto Mar
MKR MODE TRC SCL 1 Δ2 1 t (Δ) 2 F 1 t	× 392.0 µs (∆ 497.0 µs	4.33 dB -0.92 dBm			CTION WIDTH	FUNCTION	ALUE 🔺	
3 4 5							=	Freq Offset 0 Hz
6 7 8								
9 10								
		"				1	•	
MSG	Dwell NVI		2441	MHz		mulated		
Magilent Spectrum Analyzer - Sw		SENSE			LIGN AUTO	03:57:51 PM	101 04 2024	
Center Freq 2.4410		Trig: Free R		Avg Type:				Energy and a second
						TYPE	23456 WWWWWW	Frequency
Ref Offset 2	IFGain:Low _	#Atten: 30 d	B			TYPE	23456 WWWWWW NNNNN	Auto Tune
Ref Offset 2 10 dB/div Ref 20.00	IFGain:Low _	#Atten: 30 d	B			DET	23456 WWWWWW NNNNN	
Ref Offset 2 10 dB/div Ref 20.00	IFGain:Low _	#Atten: 30 d	B			TYPE	2 3 4 5 6 	Auto Tuno Center Fred
10 dB/div Ref 20.00	IFGain:Low _	#Atten: 30 d	B			TYPE	2 3 4 5 6 WWWWW N N N N N N N N N	Auto Tune Center Free
10 dB/div Ref 20.00	IFGain:Low _	#Atten: 30 d	B				2 3 4 5 6 WWWWWWWW N N N N N	Auto Tune Center Free 2.44100000 GH Start Free
10 dB/div Ref 20.00	IFGain:Low _	#Atten: 30 d	B				12345 <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>228</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>238</u> <u>2</u>	Auto Tune Center Fred 2.441000000 GH: Start Fred
10 dB/div Ref 20.00	IFGain:Low _	#Atten: 30 d					123456 <u>Wawawawa</u> NNNNN NNNNN	Auto Tune Center Free 2.441000000 GH; Start Free 2.441000000 GH; Stop Free
10.0 E2/div Ref 20.00	IFGain:Low _	#Atten: 30 d					123456 ************************************	Auto Tune Center Free 2.441000000 GH; Start Free 2.441000000 GH; Stop Free 2.441000000 GH;
10 dB/div Ref 20.00	IFGain:Low _	#Atten: 30 d					12345 ************************************	Auto Tune Center Frec 2.441000000 GH: Start Frec 2.441000000 GH: Stop Frec 2.441000000 GH: CF Step 1.000000 MH:
10 dB/div Ref 20.00	IFGain:Low _	#Atten: 30 d						Auto Tune Center Frec 2.441000000 GH: Start Frec 2.441000000 GH: Stop Frec 2.441000000 GH: CF Step 1.000000 MH:
10 dB/div Ref 20.00	IFGain:Low _	#Atten: 30 d						Start Free 2.441000000 GHz 2.441000000 GHz Start Free 2.441000000 GHz Stop Free 2.441000000 GHz Stop Free 2.441000000 GHz CF Stop Free 1.000000 MHz Auto Mar Freq Offset
10 dB/div Ref 20.00	IFGain:Low _	#Atten: 30 d						Auto Tune Center Frec 2.441000000 GHz Start Frec 2.441000000 GHz Stop Frec 2.441000000 GHz CF Step 1.000000 MHz
10 dB/div Ref 20.00	IFGain:Low _	#Atten: 30 d						Start Free 2.441000000 GHz 2.441000000 GHz Start Free 2.441000000 GHz Stop Free 2.441000000 GHz Stop Free 2.441000000 GHz CF Stop Free 1.000000 MHz Auto Mar Freq Offset
10 dB/div Ref 20.00	CFGain:Low	#Atten: 30 d						Start Free 2.441000000 GHz 2.441000000 GHz Start Free 2.441000000 GHz Stop Free 2.441000000 GHz Stop Free 2.441000000 GHz CF Stop Free 1.000000 MHz Auto Mar Freq Offset



	ell NVNT 3-DH3 24	41MHz One	Burst	
Agilent Spectrum Analyzer - Swept SA X RL RF 50 Ω AC	SENSE:INT	ALIGN AUTO	04:04:37 PM Jul 04, 2024	
Center Freq 2.441000000 GH		Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE WWWWW DET P N N N N N	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm Log		ΔN	lkr1 1.642 ms 0.23 dB	Auto Tune
10.0				Center Freq 2.44100000 GHz
			TRIG LVL	2.44100000 GH2
-30.0				Start Freq 2.441000000 GHz
-40.0 -50.0 <mark></mark>	an a	triattice Heinetrice testpyrjader	dapatan talah sebilah s	Stop Freq
-60.0 <mark> </mark>	a terre a galland and the state of the state	n han ang halling tradition og allah ^{all} i	and a shiften as an in the second	2.441000000 GHz
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 10.0	Span 0 Hz 0 ms (10001 pts)	CF Step 1.000000 MHz
		TION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man
2 F 1 t 47	42 ms (Δ) 0.23 dB 6.0 μs -12.78 dBm			Freq Offset
4 5 6			E	0 Hz
7 8 9				
MSG		STATUS		
Dwe	II NVNT 3-DH3 244	1MHz Accum	nulated	
Jeff Agilent Spectrum Analyzer - Swept SA	SENSE:INT	ALIGN AUTO	04:05:11 PM Jul 04, 2024	Frequency
	Z IO: Fast ↔→ Trig: Free Run Gain:Low #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE WWWWWW DET PNNNNN	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm				Auto Tune
10.0				Center Freq
				Center Freq 2.441000000 GHz
				2.441000000 GHz Start Freq
000				2.441000000 GHz
				2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq
-10.0				2.441000000 GHz Start Freq 2.441000000 GHz
-10.0				2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz CF Step 1.000000 MHz
-10.0 -20.0 -30.0				2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz CF Step 1.000000 MHz <u>Auto</u> Man
-10.0 -20.0 -30.0 -40.0				2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz
-10.0 -20.0 -30.0 -40.0				2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz CF Step 1.000000 MHz <u>Auto</u> Man Freq Offset
-10.0 -20.0 -30.0 -40.0			Spap. 0. Ha	2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz CF Step 1.000000 MHz <u>Auto</u> Man Freq Offset
-10.0 -20.0 -40.0 -50.0	#VBW 3.0 MHz	Sweep 31	Span 0 Hz .60 s (10001 pts)	2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz CF Step 1.000000 MHz <u>Auto</u> Man Freq Offset





No.: BCTC/RF-EMC-005



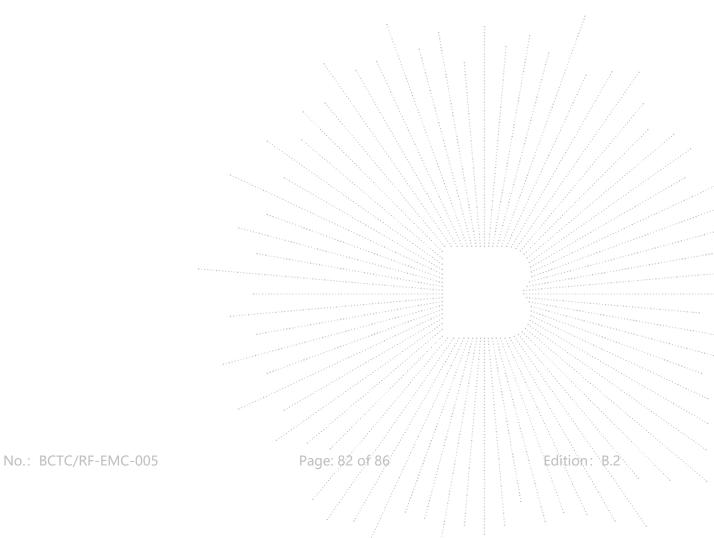
15. Antenna Requirement

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 1



EUT Photo 2



NOTE: Appendix-Photographs Of EUT Constructional Details.

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17. EUT Test Setup Photographs

Conducted Emissions Photo



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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