

## 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 20 dB relative to the maximum level measured in the fundamental emission.

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 $\pi/4DQPSK$ 

8DPSK

8DPSK

8DPSK

# Report No.: BCTC2205931306-1E

1.232

1.232

1.256

1.227

# 10.4 Test Result

Temperature :	<b>26</b> ℃		Relative Humidity :	54%
Test Voltage :	DC 3.7	V	Remark	N/A
Modulation		Test Cha	annel	Bandwidth(MHz)
GFSK		Low	,	0.866
GFSK		Middl	e	0.829
GFSK		High	1	0.852
π/4DQPSK		Low	,	1.286
π/4DQPSK		Middl	e	1.266

High

Low

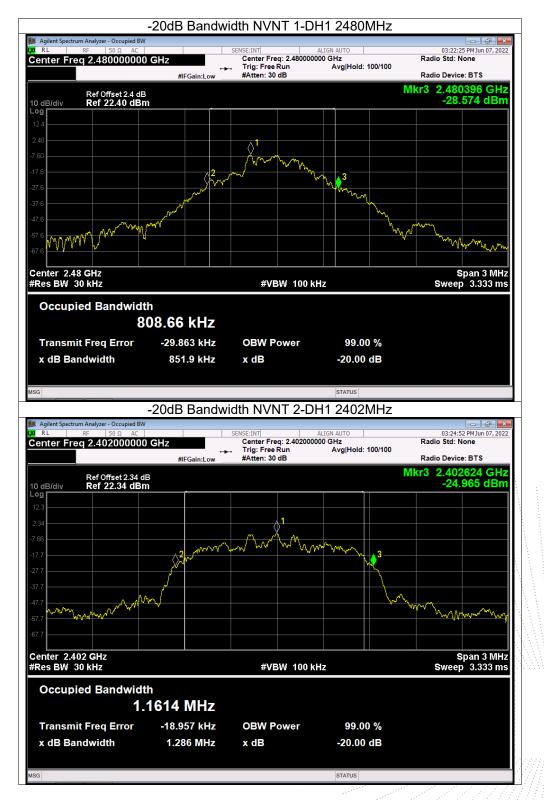
Middle

High









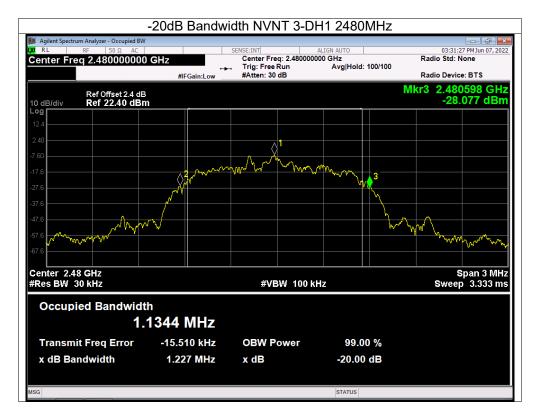














## 11. Maximum Peak Output Power

## 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.

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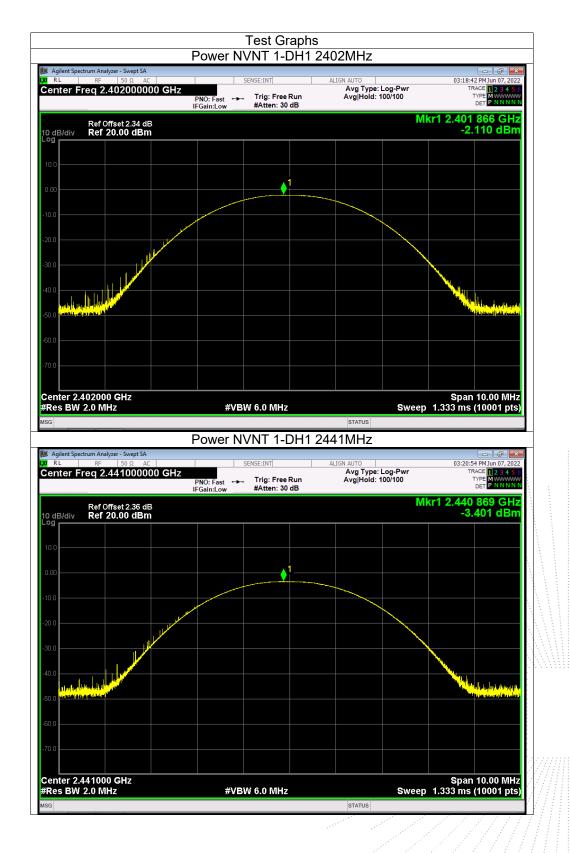


# 11.4 Test Result

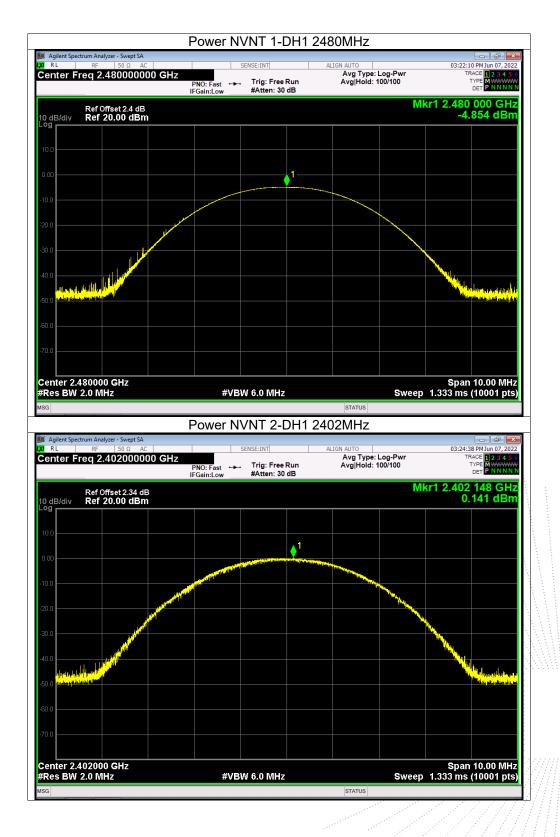
Temperature :	<b>26</b> ℃	Relative Humidity :	54%	
Test Voltage :	DC 3.7V	Remark:	N/A	
Modulation	Test Channel	Output Power (dBm)	)	Limit (dBm)
GFSK	Low	-2.11		21
GFSK	Middle	-3.4		21
GFSK	High	-4.85		21
π/4DQPSK	Low	0.14		21
π/4DQPSK	Middle	-1.17		21
π/4DQPSK	High	-2.61		21
8DPSK	Low	0.62		21
8DPSK	Middle	-0.62		21
8DPSK	High	-2.13		21



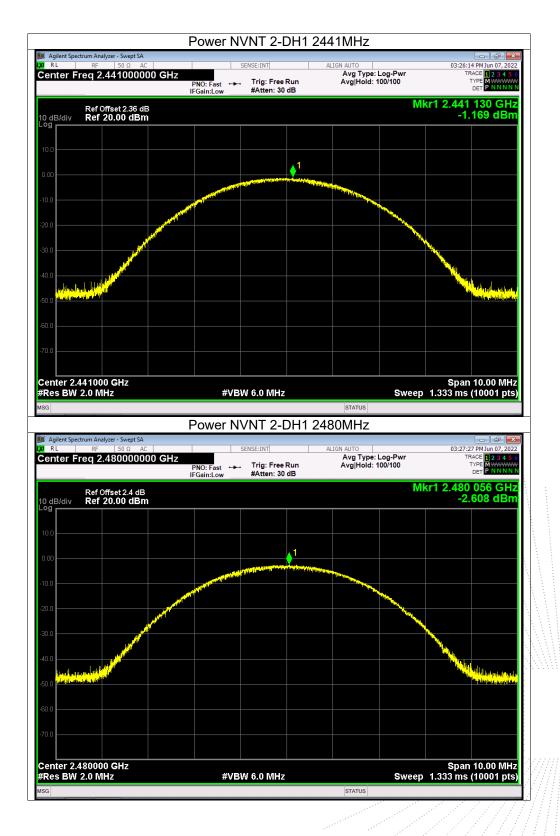




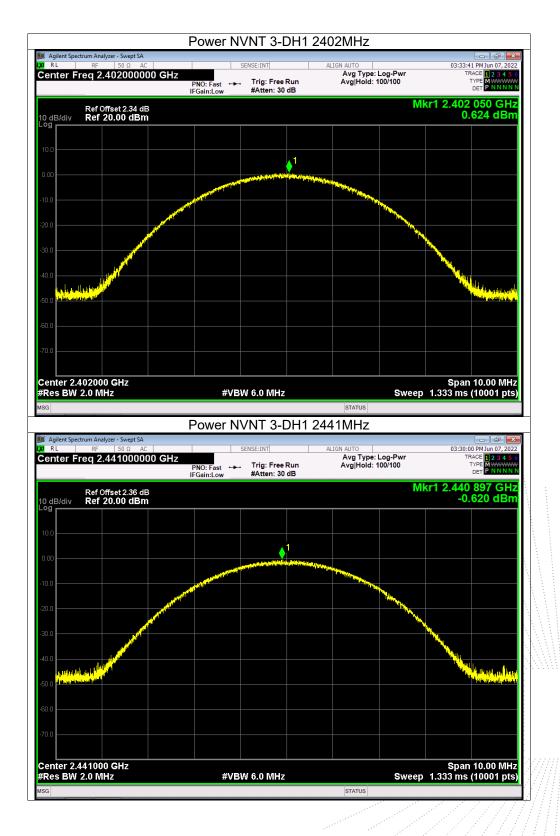




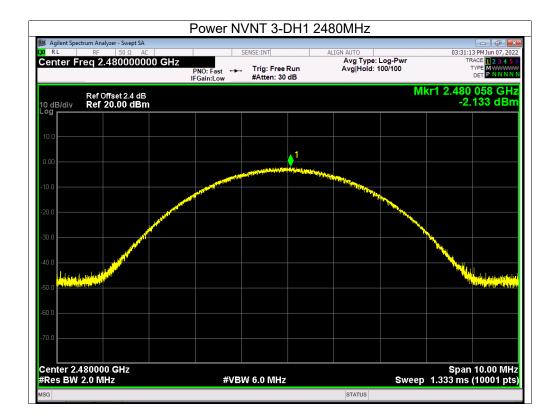












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## 12. Hopping Channel Separation

## 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.

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# 12.4 Test Result

Modulation	Test Channel	Separation (MHz)	Limit(MHz)	Result
GFSK	Low	1.002	0.866	PASS
GFSK	Middle	1.004	0.829	PASS
GFSK	High	1.000	0.852	PASS
π/4DQPSK	Low	1.004	0.857	PASS
π/4DQPSK	Middle	1.000	0.844	PASS
π/4DQPSK	High	1.000	0.821	PASS
8DPSK	Low	1.002	0.821	PASS
8DPSK	Middle	0.998	0.837	PASS
8DPSK	High	1.004	0.818	PASS



Agilent Spectrum Analyzer - Sv				-			
RL RF 50		_	E:INT		be: Log-Pwr	TI	04 PM Jun 07, 2022 RACE 1 2 3 4 5 6
	PN IFG		Frig: Free Run Atten: 30 dB	AvgiHol	d:>100/100		
Ref Offset: 0 dB/div Ref 20.00					MI	401 kr1 2.401 -3.	824 GHz 885 dBm
og 10.0							
0.00					2		
20.0		m h					
80.0			~~~				
40.0							
60.0							
70.0							
enter 2.402500 GH Res BW 30 kHz	z	#VBW 1	100 kHz		Swee	Span 0. 2.133 mg	2.000 MHz s (1001 pts)
IKR MODE TRC SCL	Х	Y	FUNCTION	FUNCTION WIDTH		UNCTION VALUE	• (1001 pts)
1 N 1 f 2 N 1 f	2.401 824 GHz 2.402 826 GHz	- <u>3.885 dBr</u> -4.015 dBr	n n				
3 4 5							=
6 7							
9							
11							
			III	STATUS			
11		CFS NVN		status 2441MHz			• • • • • • • • • • • • • • • • • • •
I1SG Agilent Spectrum Analyzer - Sv R L RF 50	wept SA Ω AC			2441MHz		03:44:1	• • • • • • • • • • • • • • • • • • •
I1SG Agilent Spectrum Analyzer - Sv R L RF 50	wept SA Ω AC 500000 GHz PN	SENS	T 1-DH1 E:INT Frig: Free Run	2441MHz Align Auto Avg Typ	De: Log-Pwr d:>100/100	03:44: Ti	10 PM Jun 07, 2022
Agilent Spectrum Analyzer - Sv RL RF 50 center Freq 2.441	wept SA Ω AC     5000000 GHz PN IFG	SENS	T 1-DH1	2441MHz Align Auto Avg Typ	d:>100/100	۳ kr1 2.440	10 PM Jun 07, 2022 RACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNNN
11	wept SA Ω AC     5000000 GHz PN IFG	SENS	T 1-DH1 E:INT Frig: Free Run	2441MHz Align Auto Avg Typ	d:>100/100	۳ kr1 2.440	10 PM Jun 07, 2022 RACE 1 2 3 4 5 6 TYPE MWWWWW DET PNNNN
11	wept SA Ω AC     5000000 GHz PN IFG	SENS	T 1-DH1 E:INT Frig: Free Run	2441MHz	d:>100/100	۳ kr1 2.440	10 PM Jun 07, 2022 RACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNNN
11	wept SA Ω AC     5000000 GHz PN IFG	SENS	T 1-DH1 E:INT Frig: Free Run	2441MHz Align Auto Avg Typ	d:>100/100	kr1 2.440 -5.	10 PM Jun 07, 2022 RACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNNN
11	wept SA Ω AC     5000000 GHz PN IFG	O: Wide	T 1-DH1 E:INT Irig: Free Run Aktten: 30 dB	2441MHz	d:>100/100	۳ kr1 2.440	10 PM Jun 07, 2022 RAGE 12 3 4 5 6 DET P NNNNN BET P NNNNN 824 GHz 211 dBm
11	wept SA Ω AC     5000000 GHz PN IFG	O: Wide	T 1-DH1 E:INT Frig: Free Run	2441MHz	d:>100/100	kr1 2.440 -5.	10 PM Jun 07, 2022 RACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNNN
11	wept SA Ω AC     5000000 GHz PN IFG	O: Wide	T 1-DH1 E:INT Irig: Free Run Aktten: 30 dB	2441MHz	d:>100/100	kr1 2.440 -5.	10 PM Jun 07, 2022 RAGE 12 3 4 5 6 DET P NNNNN BET P NNNNN 824 GHz 211 dBm
Ref Offset: 0 dB/div Ref 2.0.0( 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	wept SA Ω AC     5000000 GHz PN IFG	O: Wide	T 1-DH1 E:INT Irig: Free Run Aktten: 30 dB	2441MHz	d:>100/100	kr1 2.440 -5.	10 PM Jun 07, 2022 RAGE 12 3 4 5 6 DET P NNNNN BET P NNNNN 824 GHz 211 dBm
11	wept SA IQ AC 500000 GHz PN IFG 2.36 dB 0 dBm	O: Wide	T 1-DH1 E:INT Irig: Free Run Aktten: 30 dB	2441MHz	d:>100/100	kr1 2.440 -5.	10 PM Jun 07, 2022 VACE 12 2 4 5 6 PM VACE 12 3 4 5 6 PM VACE 1
11	wept SA IQ AC SO0000 GHz PN IFG 2.36 dB D dBm	O: Wide	T 1-DH1	2441MHz		kr1 2.440 -5.	10 PM Jun 07, 2022 RAGE 12 3 4 5 6 DET P NNNNN BET P NNNNN 824 GHz 211 dBm
Agilent Spectrum Analyzer - Si           RL         RF           RL         RF           O dB/div         Ref Offset:           0 dB/div         Ref 20.00           0 dB/div         Ref 20.00<	wept SA D AC 500000 GHz PN IFG 2.36 dB 0 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	SENS C: Wide ain:Low T #VBW 1	T 1-DH1	2441MHz	4:>100/100 MI 2 4:	kr1 2.440 -5.	10 PM Jun 07, 2022 RAGE 12 23 4 3 6 DET P NNNNN 824 GHz 211 dBm
11	wept SA 10 AC PN 500000 GHz PN 1FG 2.36 dB 0 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	O: Wide	T 1-DH1	2441MHz	4:>100/100 MI 2 4:	kr1 2.440 -5.	10 PM Jun 07, 2022 RAGE 12 23 4 3 6 DET P NNNNN 824 GHz 211 dBm
11	wept SA IS AC SO0000 GHz PN IFG 2.36 dB 0 dBm 1 1 1 2.36 dB 0 dBm 1 1 2.36 dB 0 dBm 1 2.36 dB 0 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	G: Wide sain:Low T #VBW 1	T 1-DH1	2441MHz	4:>100/100 MI 2 4:	kr1 2.440 -5.	10 PM Jun 07, 2022 RAGE 12 23 4 3 6 DET P NNNNN 824 GHz 211 dBm
11       Ref 0ffset:         6       Ref 0ffset:         7       Ref 0ffset:         0       B/div         7       Ref 20.00         9	wept SA IS AC SO0000 GHz PN IFG 2.36 dB 0 dBm 1 1 1 2.36 dB 0 dBm 1 1 2.36 dB 0 dBm 1 2.36 dB 0 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	G: Wide sain:Low T #VBW 1	T 1-DH1	2441MHz	4:>100/100 MI 2 4:	kr1 2.440 -5.	10 PM Jun 07, 2022 RAGE 12 23 4 3 6 DET P NNNNN 824 GHz 211 dBm



GHz PNO: Wide IFGain:Low #VB #VB #VB 820 GHz -6.782 820 GHz -6.875	#Atten: 30 dB	Avg Type: L Avg Hold:>1	00/100 Mkr1 2	TRACE 12.3.4.5 6 TYPE WYWWW DET WYWWW AT 8 820 GHz -6.782 dBm Span 2.000 MHz 33 ms (1001 pts)
¥ 820 GHz -6.782	BM dBm dBm		Sweep 2.1:	-6.782 dBm
¥ 820 GHz -6.782	BM dBm dBm		Sweep 2.1	33 ms (1001 pts)
¥ 820 GHz -6.782	BM dBm dBm		Sweep 2.1	33 ms (1001 pts)
¥ 820 GHz -6.782	BM dBm dBm	FUNCTION WIDTH	Sweep 2.1	33 ms (1001 pts)
¥ 820 GHz -6.782	BM dBm dBm		Sweep 2.1	33 ms (1001 pts)
¥ 820 GHz -6.782	BM dBm dBm	FUNCTION WIDTH	Sweep 2.1	33 ms (1001 pts)
¥ 820 GHz -6.782	BM dBm dBm	FUNCTION WIDTH	Sweep 2.1	33 ms (1001 pts)
¥ 820 GHz -6.782	BM dBm dBm	FUNCTION WIDTH	Sweep 2.1	33 ms (1001 pts)
¥ 820 GHz -6.782	BM dBm dBm	FUNCTION WIDTH	Sweep 2.1	33 ms (1001 pts)
820 GHz -6.782 820 GHz -6.876	dBm dBm	FUNCTION WIDTH	FUNCTION	VALUE A
820 GHZ -0.8/5				
		STATUS		, , , , , , , , , , , , , , , , , , ,
CFS NV	/NT 2-DH1 2	2402MHz		
	SENSE:INT	ALIGN AUTO	og-Pwr	03:51:43 PM Jun 07, 2022 TRACE 1 2 3 4 5 6
	Trig: Free Run #Atten: 30 dB	Avg Hold:>1	00/100	
			Mkr1 2	.401 820 GHz -4.143 dBm
				4.140 a Din
		2		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m	man fra	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
#VB	W 100 kHz			Span 2.000 MHz 33 ms (1001 pts)
Y	FUNCTION	FUNCTION WIDTH	FUNCTION	
				E
	m			•
	#VB 820 GHz -4.143	GHz PNO: Wide Trig: Free Run #Atten: 30 dB #VEW 100 kHz #VEW 100 kHz 820 GHz -4.143 dBm 824 GHz -3.995 dBm	GHz     Avg Type: L Avg Hold:>1       PNO: Wide IFGain:Low     Trig: Free Run #Atten: 30 dB     Avg Type: L Avg Hold:>1       #VBW 100 kHz     4.143 dBm       #VBW 100 kHz       #VBW 100 kHz	GHz       Avg Type: Log-Pwr Avg Hold:>100/100         PNO: Wide IFGain:Low       Trig: Free Run #Atten: 30 dB       Avg Type: Log-Pwr Avg Hold:>100/100         Mkr1 2       Mkr1 2         4       4       4         4       4       4         4       4       4         4       4       4         4       4       4         4       4       4         4       4       4         4       4       4         4       4       4         820 GHz       4       4         4       4       4         4       4       4         5       95 dBm       4         820 GHz       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       - </td



Agilent Spectrum Analyzer - Swept SA		OF NOT A STREET			
RL RF 50 Ω AC nter Freq 2.44150000		SENSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: L Avg Hold:>1	og-Pwr	3:59:34 PM Jun 07, 202 TRACE 1 2 3 4 5 TYPE MWWWW DET P N N N N
Ref Offset 2.36 dl		#Atten: 00 ub		Mkr1 2.	440 822 GHz
dB/div Ref 20.00 dBn	<u>1</u>				-5.222 dBm
.0					
				$\sim$	~~~~~
	~		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~	
0					
o					
0					
nter 2.441500 GHz					pan 2.000 MHz
es BW 30 kHz	\$	¢VBW 100 kHz		Sweep 2.13	3 ms (1001 pts)
N 1 f 2	× 440 822 GHz -5	Y FUNCTIO .222 dBm .259 dBm	N FUNCTION WIDTH	FUNCTION V	ALUE
N 1 f 2.	441 822 GHz -5	.259 dBm			
					=
		m	STATUS		Þ
	CFS	NVNT 2-DH	1 2480MHz		
Agilent Spectrum Analyzer - Swept SA R L RF 50 Ω AC		SENSE:INT	ALIGN AUTO		💶 💣 론
nter Freq 2.4795000	00 GHz PNO: Wide		Avg Type: L	og-Pwr	TRACE 1 2 3 4 5 TYPE MWWWW DET PNNNN
	IFGain:Low	#Atten: 30 dB		Mkr1 2	478 824 GHz
Ref Offset 2.4 dB dB/div Ref 20.00 dBn	1				-6.569 dBm
.0					
			2	~~ m-	
m ~ ~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~ ~ ~	$\sim$
0					
0					
0					
nter 2.479500 GHz es BW 30 kHz	\$	≠VBW 100 kHz		Sweep 2.13	pan 2.000 MHz 3 ms (1001 pts
MODE TRC SCL	x	Y FUNCTIO	N FUNCTION WIDTH	FUNCTION V	
N 1 f 2 N 1 f 2	478 824 GHz -6 479 824 GHz -6	.569 dBm .623 dBm			
					=
		III			

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Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Ω         AC           enter Freq 2.402500000 GHz	SENSE:INT	ALIGN AUTO	04:05:20 PM J	23456
	PNO: Wide Trig: Free R IFGain:Low #Atten: 30 d		0/100 TYPE DET	NNNNN
Ref Offset 2.34 dB			Mkr1 2.401 990	GHz
dB/div Ref 20.00 dBm			-4.203	aBm
0.0			<sup>2</sup>	
				$\sim$
0.0				
0.0				
0.0				
0.0				
enter 2.402500 GHz Res BW 30 kHz	#VBW 100 kHz		Span 2.00 Sweep 2.133 ms (10	00 MHz 01 pts)
KR MODE TRC SCL X	Y FUNC	TION FUNCTION WIDTH	FUNCTION VALUE	A
1         N         1         f         2.401         996         996         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998         998	GHz -4.203 dBm GHz -4.305 dBm			=
4 5				=
6 <b></b>				
8 9 0				
1				-
G		STATUS		
	CFS NVNT 3-DI	H1 2441MHz		
Agilent Spectrum Analyzer - Swept SA           R L         RF         50 Ω         AC	SENSE:INT	ALIGN AUTO	04:09:19 PM J	un 07, 2022
enter Freq 2.441500000 GHz	PNO: Wide 😱 Trig: Free R		g-Pwr TRACE 0/100 TYPE	23456 WWWWW NNNNN
	IFGain:Low #Atten: 30 c	B	Mkr1 2.440 998	
Ref Offset 2.36 dB 0 dB/div Ref 20.00 dBm			-5.518	dBm
			2	
	m man		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~
0.0				
0.0				
0.0				
0.0				
enter 2.441500 GHz			Span 2.00	00 MHz
Res BW 30 kHz	#VBW 100 kHz		Sweep 2.133 ms (10	01 pts)
KR         MODE         TRC         SCL         X           1         N         1         f         2.440         998         0	Y         FUNC           GHz         -5.518 dBm	TION FUNCTION WIDTH	FUNCTION VALUE	_
2 N 1 f 2.441 996 ( 3 4	GHz -5.453 dBm			
5 6				=
7 8 9				
9				

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		CFS NVNT 3	3-DH1 2480	MHz		
📕 Agilent Spectrum A						
XIRL RI		SENSE:IN	T AL	IGN AUTO		15:11 PM Jun 07, 202
Center Freq	2.479500000 GHz	Telev	: Free Run	Avg Type: Log- Avg Hold:>100/1		TRACE 1 2 3 4 5 TYPE MWWW
			en: 30 dB	Avg Hold:>100/1	100	DET
	f Offset 2.4 dB				Mkr1 2.4	78 992 GH
10 dB/div Re	f 20.00 dBm					6.818 dBn
10.0						
0.00	<b>1</b>				^ <b>2</b>	
					$\mathcal{L}$	
-10.0		mmm			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
-20.0						
-30.0						
-40.0						
-50.0						
-60.0						
-70.0						
-70.0						
Center 2.479:					Sp	an 2.000 MH
#Res BW 30 I	(Hz	#VBW 100	kHz		Sweep 2.133	ms (1001 pts
MKR MODE TRC SC		Y	FUNCTION FUNCT	TION WIDTH	FUNCTION VAL	JE
1 N 1 f 2 N 1 f	2.478 992 G 2.479 996 G					
3	2.4/10 000 0/	0.10448/				
4						
6				<u>ست</u>		
8						
9						
10						
						- F
· [						

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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.

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.
 Set the spectrum analyzer: Start Frequency = 2.4GHz, Stop Frequency = 2.4835GHz. Sweep=auto;

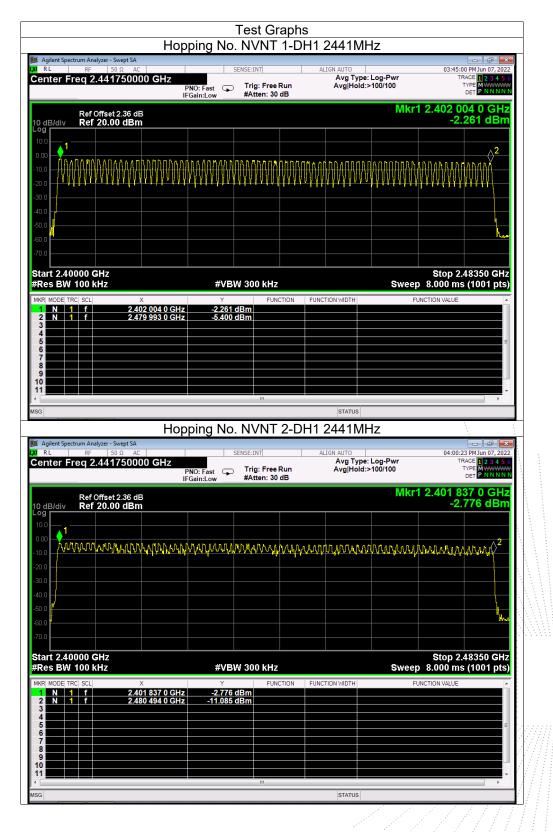
No.: BCTC/RF-EMC-005

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# 13.4 Test Result





Agilent Spectrum Analyzer - Swept							
RL RF 50 Ω	AC	SENSE:I	NT	ALIGN AUTO		04:10:07 PM Jun	
enter Freq 2.441750		a 🖵 📖	g: Free Run ten: 30 dB		e: Log-Pwr d:>100/100	TRACE 1 2 TYPE M DET P	
					Mkr1	2.401 503 0	CH.
Ref Offset 2.36 0 dB/div Ref 20.00 dl						-7.477	dBm
°g							
10.0							
AAAA . ARA MAAA	እሌሊኩሌስሌላጥሎሌ	<u>ላቤሌክ</u> በ ለ በ ለ	ለ ሌለል ስ ስ ስ ሲ			A	$\delta^2$
	<u>17874 1841 - 887 88</u>	101 Y Y V V U V V	u din di Al-MAN Al-	ኮላሪት የአስታሪ በ	<u> ም</u> ት አስት የሰላ ሲ	ᡧ᠕ᠯᢣᢣᡟ᠘ᢣᡆᠵ᠕ᢦᡗ᠕ᢣᡘᡀ	<u> </u>
20.0							
30.0							
10.0							_{
50.0							_\_
50.0							ميها
70.0							
tart 2.40000 GHz						Stop 2.48350	
Res BW 100 kHz		#VBW 30	0 kHz		Sweep	8.000 ms (100	
IKR MODE TRC SCL	Х	Y	FUNCTION	FUNCTION WIDTH	FU	NCTION VALUE	-
	2.401 503 0 GHz 2.480 243 5 GHz	-7.477 dBm -9.675 dBm					
3	2.400 243 3 6112	-3.075 0.011					
4 5							-
6							
8							
8							



# 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

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

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

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

DH5:1600/79/6\*0.4\*79\*(MkrDelta)/1000 DH3:1600/79/4\*0.4\*79\*(MkrDelta)/1000 DH1:1600/79/2\*0.4\*79\*(MkrDelta)/1000 Remark: Mkr Delta is once pulse time.

Modulation	Channel Data	Packet	pulse time(ms)	Dwell Time(s)	Limits(s)
		DH1	0.39	0.125	0.4
GFSK	Middle	DH3	1.644	0.263	0.4
		DH5	2.894	0.309	0.4
		2DH1	0.395	0.126	0.4
π/4DQPSK	Middle	2DH3	1.65	0.264	0.4
		2DH5	2.899	0.309	0.4
		3DH1	0.396	0.127	0.4
8DPSK	Middle	3DH3	1.649	0.264	0.4
		3DH5	2.898	0.309	0.4



RL RF 50 Ω enter Freq 2.441000	000 GHz		ay-500.0 µs	N AUTO Avg Type: Lo	g-Pwr	03:45: T	06 PM Jun 07, 2022 RACE 1 2 3 4 5 6 TYPE WWWWWW
	IFGa	): Fast ↔ Trig: Vio in:Low #Atten:				AMkr1	390.0 μs
Ref Offset 2.36 dB/div Ref 20.00 dE	dB 3m						9.05 dB
0.0 .00 <b>1Δ2</b>							
1.0 X2							TRIG LVL
0.0							
0.0 0.0 <mark>1 here handligt handl</mark>	tereter The two bester the filling trave	the state of the s	anala linga ang binana atang ang ang ang ang ang ang ang ang ang	alification de la compacta de la com	<u>ilina pilana p</u> a	<mark>tai (11) kuk</mark> tullaisea yi	a May Alan Ala and an
0.0 <mark>alph)p1114-cq////</mark>	an al the particular and and	hal a liter of the second s	<mark>i kalikan yan na linu kalua j</mark> ak	ladau hala ana ana ana ana ana ana ana ana ana	<sup>a</sup> qabbyyanya	ni <mark>na kana sa k</mark> ar	<sup>hale</sup> rer Habely
enter 2.441000000 GH	lz	#\/D\W_2_0_MI			0	40.00	Span 0 Hz
R MODE TRC SCL	X			ON WIDTH		INCTION VALUE	(10001 pts)
1 Δ2 1 t (Δ) 2 F 1 t 3	390.0 µs (∆ 497.0 µs	) 9.05 dB -13.26 dBm					
4 5 6							=E
7 8 9 10 10							
0							
3							
	Dwoll N			STATUS	rot		
	A	IVNT 1-DH3		One Bu	rst	04:15:	
RL RF 50 Ω	AC 1000 GHz PNC	SENSE:INT	ALIG ay-500.0 µs deo			04:16: T	38 PM Jun 07, 2022 RACE 1 2 3 4 5 6
RL RF 50Ω enter Freq 2.441000 Ref Offset 2.36	AC OOD GHZ PNC IFGa	SENSE:INT Trig Del Fast ↔ Trig: Vio	ALIG ay-500.0 µs deo			т	38 PM Jun 07, 2022
RL         RF         50 Ω           enter Freq 2.441000         Ref Offset 2.36           Ref Offset 2.36         Ref 20.00 dE           0         Ref 20.00 dE	AC OOD GHZ PNC IFGa	SENSE:INT Trig Del Fast ↔ Trig: Vio	ALIG ay-500.0 µs deo			т	38 PM Jun 07, 2022 RACE 1 2 3 4 5 6 TYPE WWWWW DET P NNNN 1.644 ms
RL         RF         50 Ω           enter Freq 2.441000         Ref Offset 2.36           dB/div         Ref 20.00 dE           0         0	AC     AC   PNC IFGa dB 3m	SENSE:INT Trig Del Fast ↔ Trig: Vio	ALIG ay-500.0 µs deo			т	38 PM Jun 07, 2022 RACE 1 2 3 4 5 6 TYPE WWWWW DET P NNNN 1.644 ms
RL         RF         50 Ω           enter Freq 2.441000         Ref Offset 2.36           α B/div         Ref 20.00 dE           0 00000000000000000000000000000000000	AC     AC   PNC IFGa dB 3m	SENSE:INT Trig Del Fast ↔ Trig: Vio	ALIG ay-500.0 µs deo			т	38 PM Jun 07, 2022 RACE 1 2 3 4 5 6 TYPE WWWWW DET P NNNN 1.644 ms
Ref Offset 2.36 d dB/div Ref 2000 dE 0 00 0 00 0 0 0 0 0 0 0 0 0 0	A AC OOO GHz PNC IFGa dB 3m 1Δ2 1Δ2	SENSE:INT Trig Del S: Fast Trig: View in:Low #Atten:	ALIG ay-500.0 μs ieo 30 dB	One Bui N AUTO Avg Type: Lo	g-Pwr	T AMkr1	38 PM Jun 07, 2022 RACE 1 2 3 4 5 6 TYPE WWWWW DET P NNNN 1.644 ms
RL         RF         50 Ω           enter Freq 2.441000         Ref Offset 2.36           αB/div         Ref 20.00 dE           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0         Q           0	AC PNC AC PNC FGa dB 3m 4Δ 3m	SENSE:INT Trig Del Fast ↔ Trig: Vio	ALIG ay-500.0 μs leo 30 dB	One Bui N AUTO Avg Type: Lo	g-Pwr		38 PM Jun 07, 2022 RACE [] 2 3 4 5 6 TYPE WWWWW DET P INNNN 1.644 ms 0.63 dB TROSEVE
RL         RF         50 Ω           enter Freq 2.441000         Ref Offset 2.36           dB/div         Ref 20.00 dE           00         2000           00         2000           00         2000           000         2000           000         2000           000         2000           000         2000           000         2000           000         2000           000         2000	AC PNC AC PNC IFGa dB 3m 1Δ2 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14	SENSE:INT Trig Del Fast →→ Trig: Via in:Low #Atten:	ALIG ay-500.0 μs leo 30 dB	One Bui N AUTO Avg Type: Lo	g-Pwr		38 PM Jun 07, 2022 RACE    2 3 4 5 6 PP    NINN N 1.644 ms 0.63 dB 700 LVL
RL         RF         50 Ω           enter Freq 2.441000         Ref Offset 2.36           dB/div         Ref 20.00 dE           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         2           00         3           00         3           00         3           00         3           00         3           00         3           00         3           00         3           00         3           00         3	AC PNC AC PNC IFGa dB 3m 1Δ2 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14 10/14*200*100*100*100*100*100*100*100*100*100	SENSE:INT Trig Del Trig Uel #Atten:	ALIG ay-500.0 μs Jeo 30 dB	One Bui Avg Type: Lo	g-Pwr	T AMkr1	38 PM Jun 07, 2022 RACE [] 2 3 4 5 6 TYPE WWWWW DET P INNNN 1.644 ms 0.63 dB TROSEVE
RL         RF         50 Ω           enter Freq 2.441000         Ref Offset 2.36           dB/div         Ref 20.00 dE           00         Re	AC PNC AC PNC IFGa dB 3m 1Δ2 10/14*200*109.14 10/14*200*109.14 10/14*200*109.14	SENSE:INT Trig Del Trig: Unit Hard Antiperiod Sense: Internet Hard Antiperiod Hard An	ALIG	One Bui Avg Type: Lo	g-Pwr		38 PM Jun 07, 2022 RACE 12, 2, 3, 45 6 THE P NAMAN N 1.644 ms 0.63 dB TRIO LVL 1.644 ms 0.63 dB 1.644 ms 0.63 dB 1.644 ms 0.63 dB 1.644 ms 0.64
RL         RF         50 Ω           enter Freq 2.441000         Ref Offset 2.36           dB/div         Ref 20.00 dE           00         Re	A AC AC AC AC AC PNC IFGa A A AC PNC IFGa A AC AC AC AC AC AC AC AC AC	SENSE:INT Trig Del Trig: Unit Hard Antiperiod Sense: Internet Hard Antiperiod Hard An	ALIG ay-500.0 μs Jeo 30 dB	One Bui Avg Type: Lo	g-Pwr	T AMkr1	38 PM Jun 07, 2022 RACE 12, 2, 3, 45 6 THE P NAMAN N 1.644 ms 0.63 dB TRIO LVL 1.644 ms 0.63 dB 1.644 ms 0.63 dB 1.644 ms 0.63 dB 1.644 ms 0.64
RL         RF         50 Ω           enter Freq 2.441000         Ref Offset 2.36           dB/div         Ref 20.00 dE           00         X2           00         X2           00         X2           00         X4           01         X4           02         X4           03         X4           1         A2           1         A           3         4	A AC AC AC AC AC PNC IFGa A AC PNC IFGa A AC AC AC AC AC AC AC AC AC	SENSE:INT Trig Del Trig: Unit Hard Antiperiod Sense: Internet Hard Antiperiod Hard An	ALIG ay-500.0 μs Jeo 30 dB	One Bui Avg Type: Lo	g-Pwr	T AMkr1	38 PM Jun 07, 2022 RACE 12, 2, 3, 45 6 THE P NAMAN N 1.644 ms 0.63 dB TRIO LVL 1.644 ms 0.63 dB 1.644 ms 0.63 dB 1.644 ms 0.63 dB 1.644 ms 0.64



Agilent Spectrum Analyzer - Swept S	A			IHz One B	ursi		
RL RF 50 Ω enter Freq 2.441000		Fast 🛶 Tric	NT g Delay-500.0 μs g: Video tten: 30 dB	ALIGN AUTO Avg Type:	Log-Pwr	TR T	7 PM Jun 07, 2022 ACE 1 2 3 4 5 6 YPE WWWWWWW DET P NNNN
Ref Offset 2.36 dB/div Ref 20.00 dB	dB Sm					ΔMkr1 2	2.894 ms 7.41 dB
•g							
).00		•1∆2					
0.0 X2							TRIG LVL
30.0							
			a na M a collection of the second of the	presented in the state of the state		d përsite de tate Dan se dhina	
			in a province in the second	<mark>ndiren all denodele</mark>	We have been a faire	la, Mi, Johy Mi, Mi	
0.0							
enter 2.441000000 GH es BW 1.0 MHz	Z	#VBW 3.0	MHz		Sweep	10.00 ms (	Span 0 Hz 10001 pts)
KR MODE TRC SCL 1 Δ2 1 t (Δ)	× 2.894 ms (Δ) 497.0 μs	۲ <b>7.41 dB</b>	FUNCTION	FUNCTION WIDTH	FL	INCTION VALUE	^
2 F 1 t 3 4	497.0 µs	-12.76 dBm					
5 6							E
7							
0							-
G				STATUS			•
		/NT 2-DF	11 2441M	IHz One B	urst		
RL         RF         50 Ω           enter Freg 2.441000	AC	SENSE:I	NT g Delay-500.0 μs	ALIGN AUTO Avg Type:	Log-Pwr	04:00:29	PM Jun 07, 2022
enter Frey 2.44 1000		Fast 🛶 Trig	g: Video ten: 30 dB			Т	
Ref Offset 2.36 0 dB/div Ref 20.00 dE	dB					ΔMkr1	395.0 µs 5.21 dB
0 dB/div Ref 20.00 dE							0.21 00
							TRIG L VI.
30.0							
	un an in the state of the state						
TANK A PART AND A							
enter 2.441000000 GH es BW 1.0 MHz	Z	#VBW 3.0	MHz		Sweep	10.00 ms (	Span 0 Hz 10001 pts)
KR MODE TRC SCL 1 Δ2 1 t (Δ)	X 395.0 μs (Δ)	۲ <b>5.21 dB</b>	FUNCTION	FUNCTION WIDTH	FL	INCTION VALUE	A
2 F 1 t	364.0 µs	-17.96 dBm					
4 5 6 6							E
7 8							
7							



🕻 Agilent Spectrum Analyzer - Swep		T 2-DH3 2441N	/Hz One B	urst		
RL RF 50 Ω enter Freq 2.44100		SENSE:INT Trig Delay-500.0 µs Trig: Video #Atten: 30 dB	ALIGN AUTO Avg Type:	Log-Pwr	TRAC TYI	PM Jun 07, 2022 DE 1 2 3 4 5 6 PE WWWWWWW ET P N N N N N
Ref Offset 2.3 0 dB/div Ref 20.00 d					ΔMkr1 1	.650 ms 6.07 dB
0 dB/div Ref 20.00 d .og						
0.00 10.0 <mark>X</mark> 2						TRIG LVL
20.0						
40.0						
50.0 <mark>miliona</mark> 50.0 <mark>milionaliana</mark>	na an a	de esta plana por la companya de la Ny INSEE dia mampina dia mandra da la companya de la	n in fals i stand de la fasta de la sulla de la su La falsa de la sulla de la s		an an an tha paint in the paint of Maria an the factor of the f	and the second second A philosophilithing is
		4 . 10 . 4 . 1 .				
Center 2.441000000 G Res BW 1.0 MHz	#	VBW 3.0 MHz		· · ·	10.00 ms (1	pan 0 Hz 0001 pts)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.650 ms (Δ)	Y FUNCTION 6.07 dB 0.08 dBm	FUNCTION WIDTH	FU	NCTION VALUE	
3 4 5						
6 6 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9						
9 9 10 10 10 10 10 10 10 10 10 10 10 10 10						
G		III	STATUS			•
		Г 2-DH5 2441N	/Hz One B	urst		
Agilent Spectrum Analyzer - Swep RL RF 50 Ω Center Freg 2.44100	AC	SENSE:INT Trig Delay-500.0 µs	ALIGN AUTO Avg Type:	Log-Pwr	TRAC	PM Jun 07, 2022
	PNO: Fast IFGain:Low	⊷⊷ Trig: Video #Atten: 30 dB			TYI DI	
Ref Offset 2.3 0 dB/div Ref 20.00 d	6 dB Bm				ΔMkr1 2	.899 ms 7.16 dB
10.0	<b>_</b> 1∆	2				
0.00 10.0 X2	biennin fersiblinen of standard					TRIG L VI
20.0						
40.0					, <mark>hand daala daalahaada.</mark> Ay daga daga daga daga daga daga daga dag	n all tha Angalith Inte Angalith
		<mark>a la seria da seria da</mark> Na seria da s				
60.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			<ul> <li>and allocate to contact to</li> </ul>			
Center 2.441000000 G	Hz #	VBW 3.0 MHz		Sweep	10.00 ms (1	pan 0 Hz 0001 pts)
600         11 mt           600         1.1 mt           700         1.1 mt           Center 2.4410000000 G         G           Res BW 1.0 MHz         MR           MKR MODE TRCI SCLI         1           1         A2         1         t           2         F         1         t	Hz # 2.899 ms (Δ)	VBW 3.0 MHz Y FUNCTION 7.16 dB	FUNCTION WDTH	Sweep	S 10.00 ms (1 NCTION VALUE	span 0 Hz 0001 pts)
60.0 Center 2.441000000 G Cess BW 1.0 MHz MRR MODE TRC Scl 1 Δ2 1 t (Δ) 2 F 1 t 3 4	Hz # 2.899 ms (Δ)	VBW 3.0 MHz		Sweep	10.00 ms (1	0001 pts)
60.0 Center 2.441000000 G Ces BW 1.0 MHz MRR MODEL TRCI SCLI 1 Δ2 1 t (Δ) 2 F 1 t 3 4 5 6 6 7	Hz # 2.899 ms (Δ)	VBW 3.0 MHz Y FUNCTION 7.16 dB		Sweep	10.00 ms (1	0001 pts)
60.0         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         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	Hz # 2.899 ms (Δ)	VBW 3.0 MHz Y FUNCTION 7.16 dB		Sweep	10.00 ms (1	0001 pts)



RL RF 50 Ω A			SENSE:INT		ALIGN AUTO	Les Dur		3 PM Jun 07, 202
enter Freq 2.4410000	PN	NO:Fast ⊶⊶ Gain:Low	Trig Delay Trig: Vide #Atten: 30	D	Avg Type	Log-Pwr	TF	TYPE WWWWWW DET PNNNN
Ref Offset 2.36 d dB/div Ref 20.00 dB	iB m						ΔMkr1	396.0 µs 2.74 dE
.0								
								TRIG LVL
	۱ <b>۲</b>							
D.0								
		ראסן אוריקאיליאורל לאי באין דירו איז אורילאי באין	भारतराज्य सम्बद्ध हो हुए भारतराज्य सम्बद्ध हो हुए		1			
	- Manual Alfanal		a <mark>ttina </mark> avitani	<sup>d</sup> ellige (b <sup>an</sup> ge	n dhar a da a	ni jilin talipeti jeji pr	adhrin kana	. wheel wheel
enter 2.441000000 GHz es BW 1.0 MHz	2	#\/B)	N 3.0 MHz	<u> </u>		Sween	10.00 ms	Span 0 Hz
R MODE TRC SCL	X	Y	FUN		ICTION WIDTH		JNCTION VALUE	(ToooT pts
1 Δ2 1 t (Δ) 2 F 1 t 3	<u>396.0 µs (</u> 363.0 µs	<u>Δ) 2.7</u> -16.77	'4 dB dBm					
4 5 6 6 6								
7								
3					STATUS			•
		NVNT 3	-DH3 2	441MH	lz One E	urst		
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω A enter Freg 2.4410000	C		SENSE:INT Trig Delay	-500.0 µs	ALIGN AUTO	Log-Pwr	TF	0 PM Jun 07, 202
	PN	NO: Fast ↔→ Gain:Low	Trig: Vide #Atten: 30					
Ref Offset 2.36 c dB/div Ref 20.00 dB	iB m						∆Mkr1	1.649 ms 6.48 dE
<b>9</b> 0.0	<u></u> 1Δ2							
								TRIG LVL
<b>7.0</b>								
D.0								
D.0		n an tha tha air an tha thirte Tha an tha tha tha tha an	, and a set of a second set	i line and i share a	and the second secon	in de la contra la c	na <mark>lan kuran kurla (</mark> u Ma	All And Line of the second
CALL THE THE PARTY			يتراهي الرعاد والمالية الأترا	and the second states of the	والمراجع والمتراك الملكان والا			1 11 11 11
	and all design the	d in the second second	ni ( ni )iq a f (ri	ulbrudd fran god	a the data part of the part of the	ս հերուների հերուներին։		
enter 2.441000000 GHz							10.00 ms	Span 0 Hz (10001 pts
enter 2.441000000 GHz es BW 1.0 MHz	z x	#VB1	N 3.0 MHz			Sweep	10.00 ms	
α         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	2	#VB1	N 3.0 MHz FUN 8 dB			Sweep		(10001 pts
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         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	z x 1.649 ms (	#VB\ Υ Δ) 6.4	N 3.0 MHz FUN 8 dB			Sweep		(10001 pts
enter 2.441000000 GHz es BW 1.0 MHz s BW 1.0 MHz	z x 1.649 ms (	#VB\ Υ Δ) 6.4	N 3.0 MHz FUN 8 dB			Sweep		(10001 pts



6 4 11 1 4					IVNI					-				
RL	RF		ac 000 GHz	PN	0: Fast ain:Low	🛶 Tr				N AUTO Avg Typ	e: Log-Pwi	r	04:2	11:39 PM Jun 07, 2 TRACE 1 2 3 4 TYPE WWWW DET P NNN
0 dB/div		offset 2.36 <b>20.00 dE</b>											<u>ΔMkr</u>	1 2.898 n 4.00 c
0.00					<u>▲</u> 1∆2									
	<mark>1.                                     </mark>	<mark>deptentischlic</mark> (1.)	na la philippini	tanta ta									<mark>, a h bil den han h bi</mark> l	and a second
30.0														
50.0 <mark>4/4570</mark> 50.0 <mark>4(4).4</mark>											n an			
50.0 <b>14 17</b> 50.0 <b>14 17</b> 70.0 <b>14 17</b> 50.0 <b>14 17</b>			Z		- <mark>u den d</mark> i		<mark>den dig pi</mark> pi	n a filler an			lini indinini	inter 1	10.00 m	Span 0   s (10001 p
40.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0		z	X		- <mark>4,4</mark> 04,44 #*	VBW 3.	O MHz	n a filler an	<mark>iller (1</mark>		lini indinini	veep	10.00 m	s (10001 p
50.0 1447 50.0 1447 70.0 2 Center 2.4 Res BW 1 148 MODE TR	.0 MH	z	X	3 ms (/2 0 µs	المراجع (1997) # ()	И <mark>А,</mark> ИНИ, VBW 3.	O MHz	n an	<mark>iller (1</mark>	and a start	lini indinini	veep		s (10001 p
500 μημη center 2.4 ces BW 1 KR MODE TF 1 Δ2 1 2 F 1 3	.0 MH	z	× 2.898		المراجع (1997) # ()	VBW 3.	O MHz	n an	<mark>iller (1</mark>	and a start	lini indinini	veep		s (10001 p
50.0 Hite 50.0 Hite 70.0 Eenter 2.4 Ces BW 1 IKR MODE TE 1 A2 1 2 F 1 3 4 5 6 6	.0 MH	z	× 2.898		المراجع (1997) # ()	VBW 3.	O MHz	n an	<mark>iller (1</mark>	and a start	lini indinini	veep		s (10001 p



## 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 PCB antenna, The antenna gain is -1.42dBi, fulfill the requirement of this section.

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## 16. EUT Photographs

#### **EUT Photo 1**



EUT Photo 2



No.: BCTC/RF-EMC-005



# 17. EUT Test Setup Photographs

# **Conducted Measurement Photo**



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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 stamp of laboratory.

4. The test report is invalid without signature of person(s) testing and authorizing.

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

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

7.If there is any objection to 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, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

Website: http://www.chnbctc.com

E-Mail: bctc@bctc-lab.com.cn

## \*\*\*\*\* END \*\*\*\*\*

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