





















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	0.961	Pass
NVNT	1-DH1	2441	0.959	Pass
NVNT	1-DH1	2480	0.961	Pass
NVNT	2-DH1	2402	1.364	Pass
NVNT	2-DH1	2441	1.366	Pass
NVNT	2-DH1	2480	1.367	Pass
NVNT	3-DH1	2402	1.349	Pass
NVNT	3-DH1	2441	1.347	Pass
NVNT	3-DH1	2480	1,350	Pass

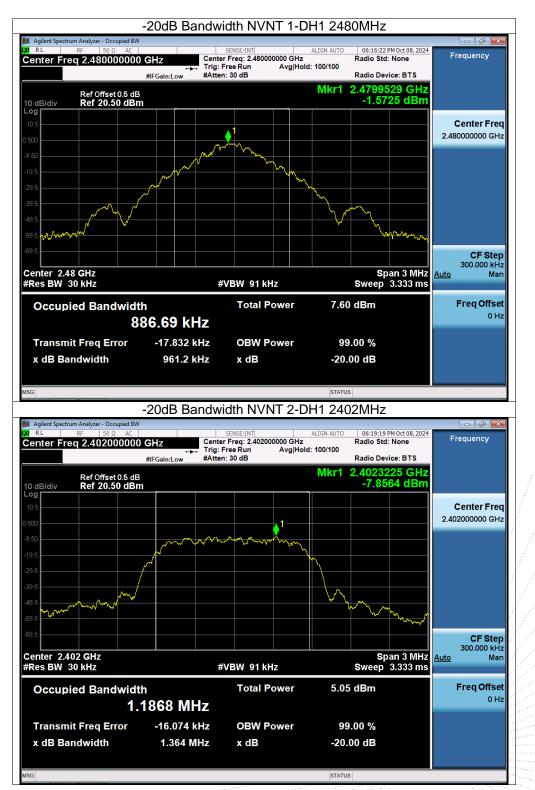
No.: BCTC/RF-EMC-005

Page: 50 of 85



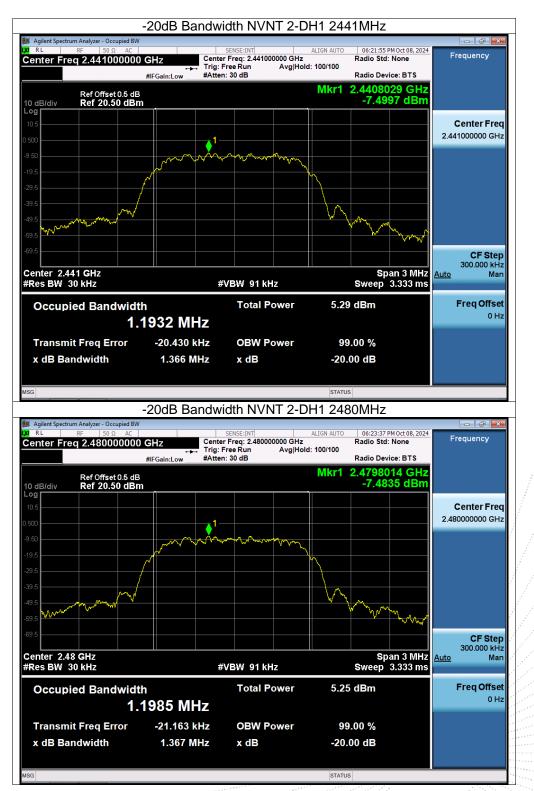




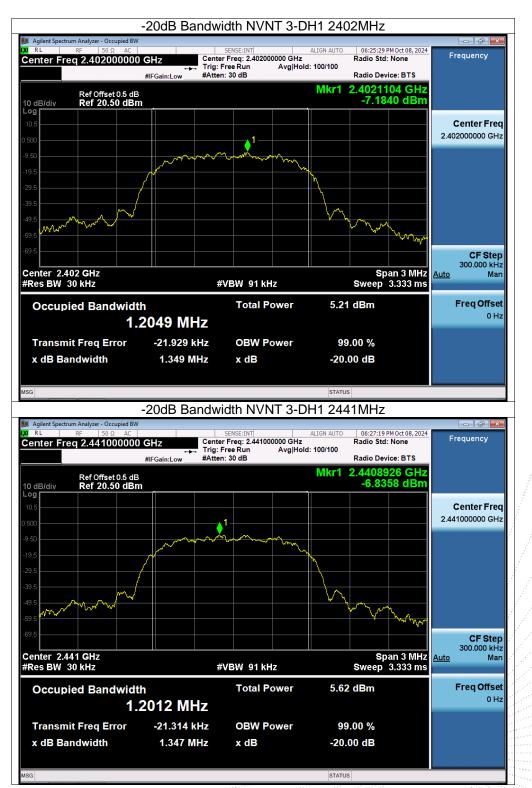








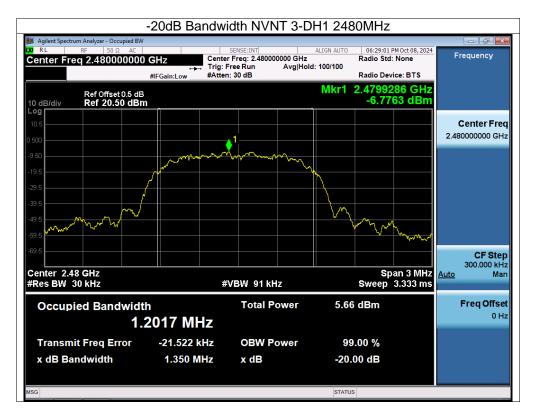




JC JC PPR

ероі









Page: 55 of 85



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.

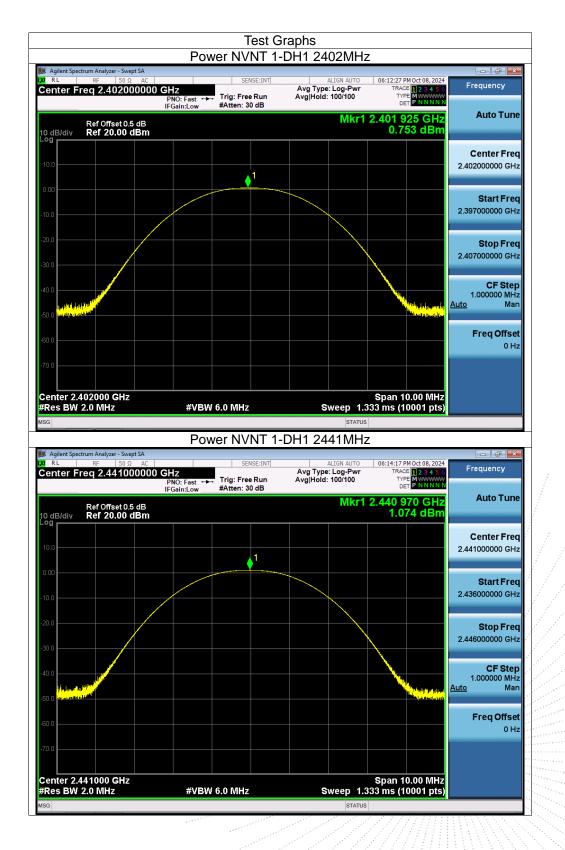
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

11.4 Test Result

Temperature:	26 ℃		Relative Humidity:	54%RH
Pressure:	101KPa	1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 -	Test Voltage :	DC 3.7V
				MH <i>HH////</i> //////////////////////////////

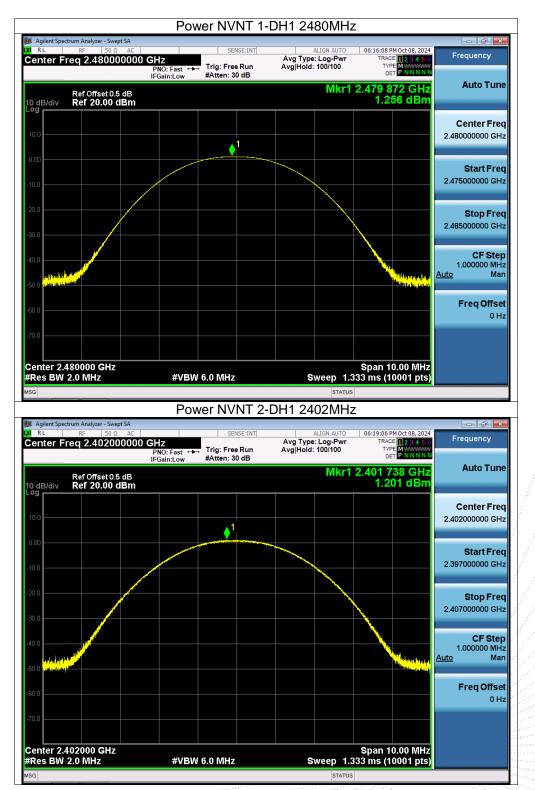
		1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -		医马克普里里耳氏	
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	0.75	21	Pass
NVNT	1-DH1	2441	1.07	21	Pass
NVNT	1-DH1	2480	1.26	21	Pass
NVNT	2-DH1	2402	1.20	21	Pass
NVNT	2-DH1	2441	1.50	21	Pass
NVNT	2-DH1	2480	1.60	21	Pass
NVNT	3-DH1	2402	1.65	21	Pass
NVNT	3-DH1	2441	2.06	21	Pass
NVNT	3-DH1	2480	2.19	21	Pass



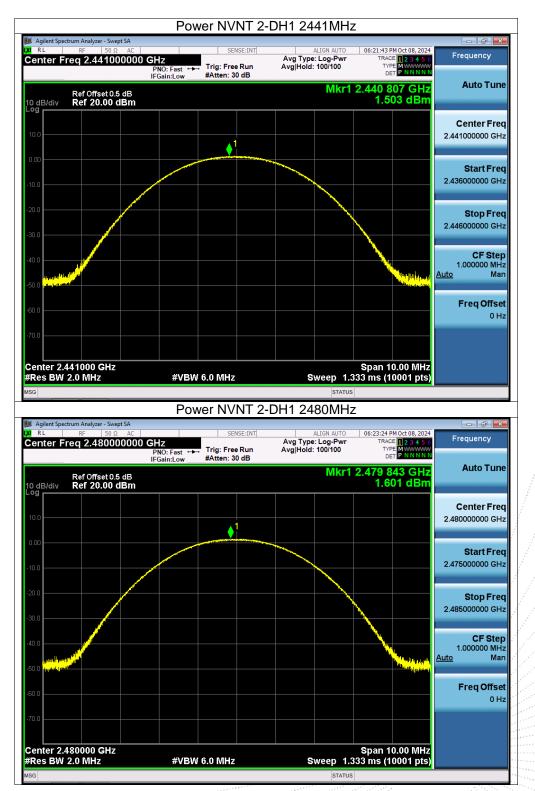


C CO., LTS



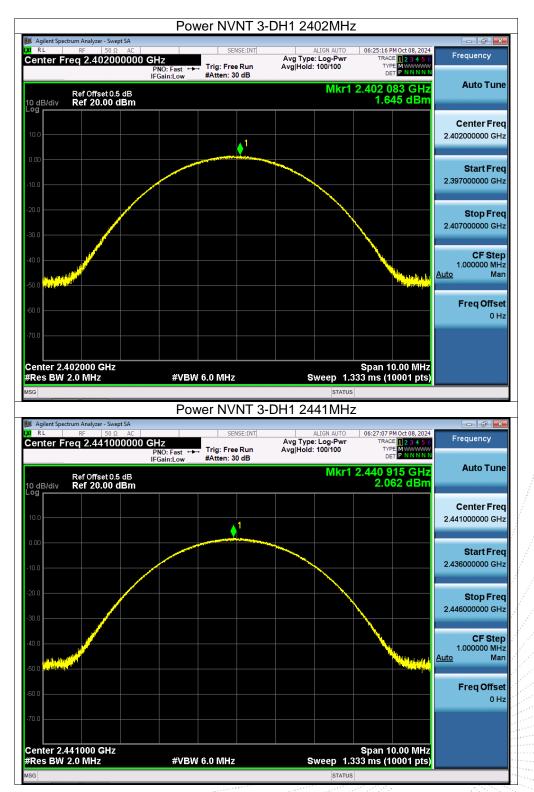






Page: 59 of 85

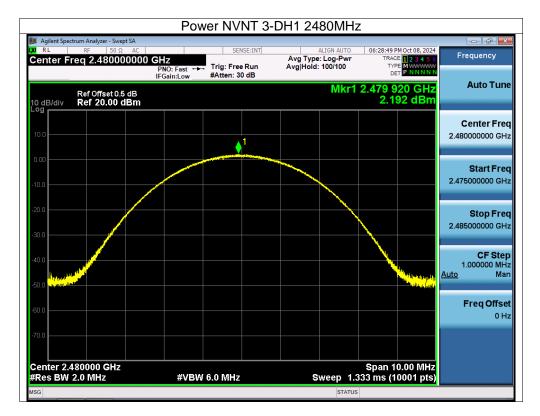




,TC 3C PPR







Page: 61 of 85



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
WICCE				Kesun
1-DH1	Low Manager	1.002	0.641	PASS
1-DH1	Middle	0.998	0.639	PASS
1-DH1	High Migh	1.000	0.641	PASS
2-DH1	Low	1.000	0.909	PASS
2-DH1	Middle	1.160	0.911	PASS
2-DH1	High	1.160	0.911	PASS
3-DH1	Low	1.070	0.899	PASS
3-DH1	Middle	1.000	0.898	PASS
3-DH1	High	0.998	0.900	PASS

12.4 Test Result









CHENZHE



	CF	S NVNT 2-E	0H1 2441MHz		
Agilent Spectrum Analyzer - Swep		artier wet			
RL RF 50Ω Center Freq 2.44150		Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	06:22:25 PM Oct 08, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
Ref Offset 0.5 0 dB/div Ref 20.00 d	dB		Mkr1	2.440 964 GHz -7.414 dBm	Auto Tuno
.og					Conton Eng
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		2 	Center Free 2.441500000 GH:
20.0					Start Free 2.440500000 GH
60.0					<b>Stop Fred</b> 2.442500000 GH
Center 2.441500 GHz #Res BW 30 kHz	#VBV	√ 100 kHz	Sweep 2.	Span 2.000 MHz 133 ms (1001 pts)	CF Step 200.000 kH <u>Auto</u> Mar
MKR MODE TRC SCL	× 2.440 964 GHz	Y FU -7.414 dBm	CTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> mai
2 N 1 f 3 4 5 6	2.440 904 GHZ 2.442 124 GHz	-7.396 dBm		=	Freq Offse 0 H
7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010					
11					
SG			STATUS		
	CI		0H1 2480MHz		
🕻 Agilent Spectrum Analyzer - Swep					
RL RF 50 Ω	AC	SENSE:INT	ALIGN AUTO	06:24:03 PM Oct 08, 2024	Frequency
enter Freq 2.47950	0000 GHz PNO: Wide G	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N N	Trequency
Ref Offset 0.5 0 dB/div Ref 20.00 d	dB IBm		Mkr1	2.478 962 GHz -7.256 dBm	Auto Tun
10.0					Center Fre
0.00	1			2	2.479500000 GH
20.0					Start Fre 2.478500000 GH
					<b>Stop Fre</b> 2.480500000 GH
^{-70.0} Center 2.479500 GHz #Res BW 30 kHz	#VBV	√ 100 kHz	Sweep 2	Span 2.000 MHz 133 ms (1001 pts)	CF Step 200.000 kH
MKR MODE TRC SCL	X		ICTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
1         N         1         f           2         N         1         f           3         -         -         -           4         -         -         -           5         -         -         -           6         -         -         -           7         -         -         -           8         -         -         -	2.478 962 GHz 2.480 122 GHz	-7.256 dBm -7.258 dBm		E	Freq Offse 0 H
9 10 11 11				•	



	CF	S NVNT 3-I	DH1 2402MHz		
Magilent Spectrum Analyzer - Swe X RL RF 50 Ω		SENSE:INT	ALIGN AUTO	06:25:55 PM Oct 08, 2024	
Center Freq 2.40250		Trim Free Day	Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN	Frequency
Ref Offset 0.5 10 dB/div Ref 20.00	5 dB		Mkr1 2	401 824 GHz -5.446 dBm	Auto Tune
			2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<b>Center Fred</b> 2.402500000 GH:
-20.0					<b>Start Free</b> 2.401500000 GH
-50.0					<b>Stop Fred</b> 2.403500000 GH:
Center 2.402500 GHz #Res BW 30 kHz	#VBW	100 kHz	Sweep 2.13	Span 2.000 MHz 33 ms (1001 pts)	CF Step 200.000 kH: <u>Auto</u> Mar
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 4 5 6 6 7	X 2.401 824 GHz 2.402 894 GHz	Y FU -5.446 dBm -7.096 dBm	FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 Hi
8 9 10 11 • ISG		III	STATUS		
	CF	S NVNT 3-I	DH1 2441MHz		
📕 Agilent Spectrum Analyzer - Swep 🗶 R.L. RF 50 Ω		CENCE INT		06:27:48 PM Oct 08, 2024	- P -
Center Freq 2.44150		Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNNN	Frequency
Ref Offset 0. 10 dB/div Ref 20.00			Mkr1 2	440 890 GHz -6.759 dBm	Auto Tun
10.0 0.00 -10.0	1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Center Fre 2.441500000 GH
-20.0					<b>Start Fre</b> 2.440500000 GH
-50.0					<b>Stop Fre</b> 2.442500000 GH
Center 2.441500 GHz #Res BW 30 kHz		100 kHz		Span 2.000 MHz 33 ms (1001 pts)	CF Stej 200.000 kH Auto Mai
MKR MODE TRC SCL 1 N 1 F 2 N 1 F 3 4 5 6 6 6 7 8 8 9 9 1 5 2 1 1 1 1 1 1 1 1	X 2.440 890 GHz 2.441 890 GHz	Y FL -6.759 dBm -6.812 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar FreqOffse 0 H
10 11 •		m	STATUS		

JC JC PR





	(	CFS NVNT	3-DH1 2	2480MHz	1			
Magilent Spectrum Analyzer - Swept SA		astuar t	. crel	ALIGN AUTO				7 <b>X</b>
Center Freq 2.4795000	00 GHz	SENSE:I	Avg	Type: Log-Pwr Hold:>100/100	TRAC	M Oct 08, 2024 E 1 2 3 4 5 6 E M WWWWW	Frequenc	су
	PNO: Wide IFGain:Low			Hold:>100/100	DE	PNNNN		
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBn				Mkr1	2.478 8 -6.6	92 GHz 68 dBm	Auto	Tune
10.0							Center	Frea
0.00				²			2.47950000	
-10.0	~~~~~~		~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
-20.0								Freq
-30.0							2.47850000	0 GHz
-50.0								
-60.0							Stop 2.48050000	Freq
-70.0							2.48050000	0 GHZ
Center 2.479500 GHz #Res BW 30 kHz	#V	BW 100 kHz		Sweep 2	Span 2 2.133 ms (	.000 MHz 1001 pts)	200.00	Step
	× 478 892 GHz	Y C COD dD	FUNCTION	FUNCTION WIDTH	FUNCTIO	ON VALUE	<u>Auto</u>	Man
	478 892 GHZ 479 890 GHZ	-6.668 dBm -6.601 dBm					FreqC	Offset
4								0 Hz
6								
8								
10								
		ш				- F		
MSG				STATU	s			

TE OVE

No.: BCTC/RF-EMC-005

Page: 67 of 85



#### 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.

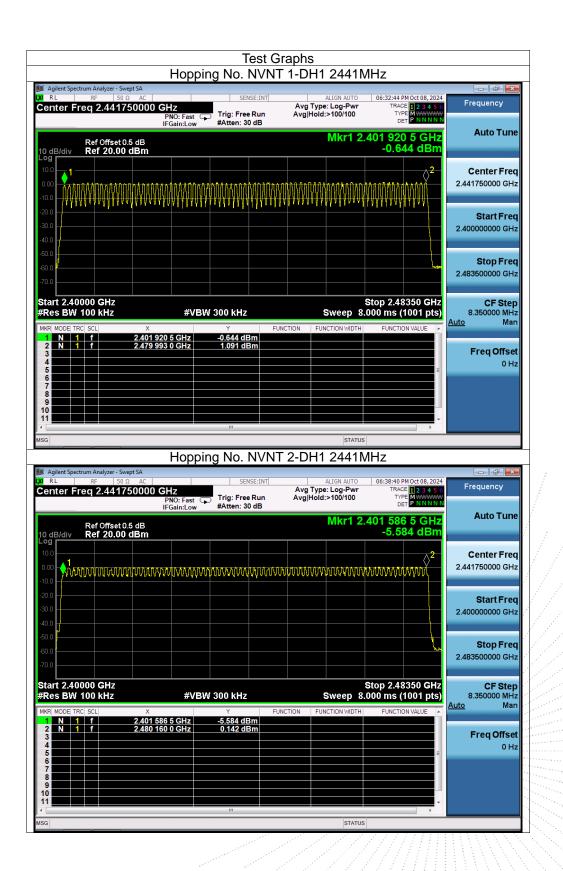
4. Set the spectrum analyzer: Start Frequency = 2.4GHz, Stop Frequency = 2.4835GHz. Sweep=auto;

#### 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

Page: 68 of 85







	Hopping No. NVNT	3-DH1 2441N	ЛНz	
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Ω         AC           Center Freq 2.441750000 (		ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	06:42:59 PM Oct 08, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWWW	Frequency
Ref Offset 0.5 dB	PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB	-	401 670 0 GHz -3.552 dBm	Auto Tune
10.0	AAwaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	IFANAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		Center Freq 2.441750000 GHz
-20.0				Start Fred 2.400000000 GH:
-60.0 <b></b>				<b>Stop Fred</b> 2.483500000 GH2
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 MH Auto Mar
	Y FUN 70 0 GHz -3.552 dBm 60 0 GHz 0.140 dBm	CTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset
6 7 8 9 10				
MSG	m	STATUS	• • •	





Page: 70 of 85



## 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.

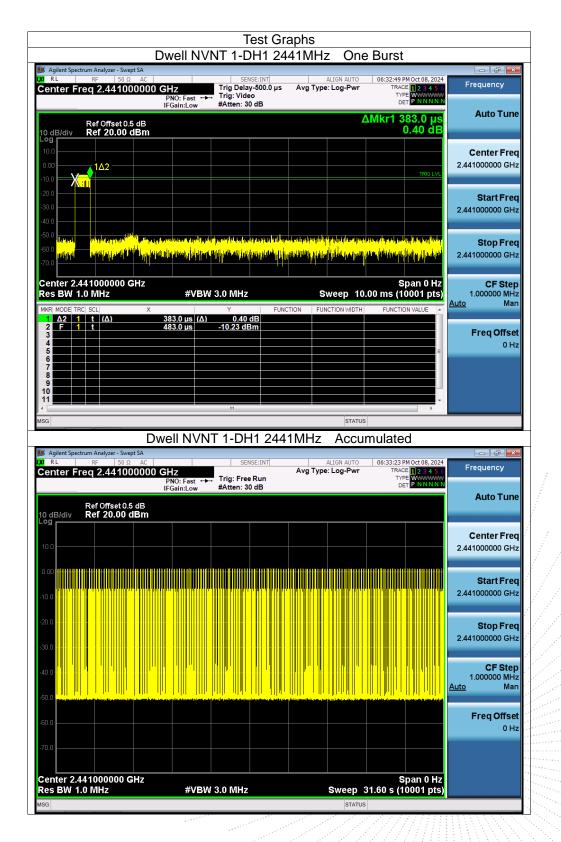
4. Use the marker-delta function to determine the dwell time. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH1	2441	0.383	121.028	316	31600	400	Pass
1-DH3	2441	1.64	250.92	153	31600	400	Pass
1-DH5	2441	2.887	291.587	101	31600	400	Pass
2-DH1	2441	0.391	123.556	316	31600	400	Pass
2-DH3	2441	1.643	259.594	158	31600	400	Pass
2-DH5	2441	2.891	268.863	93	31600	400	Pass
3-DH1	2441	0.391	124.338	318	31600	400	Pass
3-DH3	2441	1.642	254.51	155	31600	400	Pass
3-DH5	2441	2.893	312.444	108	31600	400	Pass

#### 14.4 Test Result

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





JC JC PPR

еро



	Dwell NVNT 1-DH3 2	2441MHz One	e Burst	
Gright Spectrum Analyzer - Swept SA     RL RF 50 Ω AC     Center Freq 2.441000000	PNO: Fast ++++ Trig: Video	ALIGN AUTO	06:45:04 PM Oct 08, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P N N N N	Frequency
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm	IFGain:Low #Atten: 30 dB	L	Mkr1 1.640 ms -0.57 dB	Auto Tune
- og 10.0 0.00			TRIG LVL	Center Fred 2.441000000 GHz
20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0				<b>Start Fred</b> 2.441000000 GHz
40.0 50.0 60.0 60.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0	alara sanyala shi yara dalara na ashi yara da barar di Manangalara shi yara da a dalara shi yara da da ashi ya	aliya ka pisani ka ka ka mana biya Mana ka pisani ka pisani ka mana pilana ang ka mana pilana ang ka mana pilana ang ka mana pilana ang ka mana pi	e neme data data data da andara. Majira data data data da data data data data	<b>Stop Fred</b> 2.441000000 GH;
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 MH
KR         MODE         TRC         SCL         X           1         Δ2         1         t         (Δ)           2         F         1         t           3         4         5         5	1.640 ms (Δ) -0.57 dB 482.0 μs -16.03 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar Freq Offse 0 H:
6 7 8 9 9				
11	.117	STATU	* s	
	vell NVNT 1-DH3 24	141MHz Accu	mulated	
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Ω         AC           enter Freq 2.441000000         4	GHz PNO: Fast ↔ Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr	06:45:36 PM Oct 08, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Frequency
			DET P. N.N.N.N.	
Ref Offset 0.5 dB dB/div Ref 20.00 dBm	IFGain:Low #Atten: 30 dB		DET P NNNNN	Auto Tun
) dB/div Ref 20.00 dBm				Center Fre
0 dB/div Ref 20.00 dBm				Center Free 2.441000000 GH Start Free
0 dB/div Ref 20.00 dBm 0 d 0 d 0 d 0 d 0 d 0 d 0 d 0 d				Center Free 2.44100000 GH Start Free 2.441000000 GH Stop Free
0 dB/div Ref 20.00 dBm 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Center Free 2.44100000 GH Start Free 2.44100000 GH Stop Free 2.44100000 GH CF Steg 1.00000 MH
				Center Free 2.44100000 GH: Start Free 2.441000000 GH: Stop Free 2.441000000 GH: CF Step 1.000000 MH: Auto Mar
o dB/div Ref 20.00 dBm			Span 0 Hz	Auto Tune Center Free 2.441000000 GH: Start Free 2.441000000 GH: Stop Free 2.441000000 GH: CF Step 1.000000 MH: Auto Mar Freq Offse 0 H:

# 



	vell NVNT 1-DH5 24	441MHz One	Burst	
Milent Spectrum Analyzer - Swept SA           RL         RF         50 Ω         AC           Center Freq 2.441000000 GI	NO: Fast ++++ Trig: Video	ALIGN AUTO Avg Type: Log-Pwr	06:45:54 PM Oct 08, 2024 TRACE 1 2 3 4 5 6 TYPE	Frequency
Ref Offset 0.5 dB	Gain:Low #Atten: 30 dB	Δ	DET P NNNNN Mkr1 2.887 ms -0.10 dB	Auto Tune
10 dB/div Ref 20.00 dBm 10.0 0.00				Center Freq 2.441000000 GHz
-10.0 -20.0			TRIG LVL	Start Freq
-30.0				2.441000000 GHz
-50.0 0000000000000000000000000000000000	a na a fa fa contra color da contra da co A la color color da la contra da contra d A la color color da contra da c	ala na prina da pana da banan ataban Na prina prina da prina da prina da prina		<b>Stop Freq</b> 2.441000000 GHz
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 10.	Span 0 Hz 00 ms (10001 pts)	CF Step 1.000000 MHz
	887 ms (Δ) -0.10 dB	ICTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man
3 4 5	81.0 µs -10.80 dBm		=	Freq Offset 0 Hz
6 7 8 9 9				
^{MSG}	ell NVNT 1-DH5 244	status 11MHz Accur	nulated	
📜 Agilent Spectrum Analyzer - Swept SA ฬ RL RF 50 Ω AC	SENSE:INT	ALIGN AUTO	06:46:28 PM Oct 08, 2024	Frequency
Center Freq 2.441000000 GI	Trig: Free Run Gain:Low #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE WWWWWW DET PNNNNN	
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm				Auto Tune
10.0				Center Freq 2.441000000 GHz
0.00				Otoret From
-10.0				Start Freq 2.441000000 GHz
-20.0				<b>Stop Freq</b> 2.441000000 GHz
-30.0				
-40.0				CF Step 1.000000 MHz <u>Auto</u> Man
-60.0				Freq Offset 0 Hz
-70.0				
Center 2.441000000 GHz			Span 0 Hz	
Res BW 1.0 MHz	#VBW 3.0 MHz	SWRED	1.60 s (10001 pts)	



Dv	vell NVNT 2-DH	11 2441MHz	One Burst	
J Agilent Spectrum Analyzer - Swept SA	SENSE:		GN AUTO 06:38:45 PM	Oct 08, 2024
Center Freq 2.441000000 GH		00.0 μs Avg Type: L	og-Pwr TRACE	I     2 3 4 5 6       Frequency       P       NNNNN
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm			ΔMkr1 39 -0	1.0 µs Auto Tune 39 dB
				Center Freq
-10.0				2.441000000 GHz
-20.0				Start Freq
-40.0				2.441000000 GHz
CO 0	di haliya a dagal ta di patainin da yai daya <mark>Manji Angla Canadan ya kini Anglanin na sada</mark>	and the second	and the second	Stop Freq
-70.0	alod I. I. de ne e de l			
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Swe	sp ep 10.00 ms (10)	an 0 Hz CF Step 001 pts) 1.000000 MHz Auto Man
MKR         MODE         TRC         SCL         X           1         Δ2         1         t         (Δ)         39           2         F         1         t         49	Y 91.0 μs (Δ) -0.39 dB 97.0 μs -0.26 dBm		DN WIDTH FUNCTION	VALUE
3 4 5				Freq Offset
6 7 8				
9 10 11				
1	III			
MSG			STATUS	
	NVNT 2-DH1	2441MHz		
	BII NVNT 2-DH1			Oct 08, 2024
DWG Agilent Spectrum Analyzer - Swept SA M RL RF 50 AC Center Freq 2.441000000 GF P	HZ NO: Fast →→ Trig: Free Ru	INT ALIO Avg Type: Lo un	Accumulated	Oct 08, 2024 1 2 3 4 5 6 Frequency
DW6 Mailent Spectrum Analyzer - Swept SA MRL RF 50 Ω AC Center Freq 2.441000000 GF P IF Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm	Hz SENSE:	INT ALIO Avg Type: Lo un	Accumulated	Oct 08, 2024           1 2 3 4 5 6           Wanname
Dwe Δ Agilent Spectrum Analyzer - Swept SA (2 RL RF 50 Ω AC Center Freq 2.441000000 GF P IF Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm	HZ NO: Fast →→ Trig: Free Ru	INT ALIO Avg Type: Lo un	Accumulated	Oct 08, 2024 2 2 4 5 6 P NNNNN Auto Tune Center Freq
Dwe Bill Agilent Spectrum Analyzer - Swept SA (¥ RL RF 50 Ω AC Center Freq 2.441000000 GH P IF Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm 10 0	HZ NO: Fast →→ Trig: Free Ru	INT ALIO Avg Type: Lo un	Accumulated	Oct 08, 2024 2 2 4 5 6 P NNNNN Auto Tune
Dwe Market Agilent Spectrum Analyzer - Swept SA Market Agilent Spectrum Analyzer - Swept SA (Market Agilent Spectrum Agilent So Center Freq 2.441000000 GH P IF Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm 10 0 0.00 Holding Hardet Agilent Agilent Agilent 10 0	HZ NO: Fast →→ Trig: Free Ru	INT ALIO Avg Type: Lo un	Accumulated	Oct 08, 2024     Frequency       2 3 4 5 6     Frequency       P NNNN     Auto Tune       Center Freq       2.441000000 GHz       Start Freq
Dwe M Agilent Spectrum Analyzer - Swept SA M RL RF 50Ω AC Center Freq 2.441000000 GF P IF Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm 10.0 0.00	HZ NO: Fast →→ Trig: Free Ru	INT ALIO Avg Type: Lo un	Accumulated	Center Freq 2.441000000 GHz
Dwe Market Agilent Spectrum Analyzer - Swept SA Market Agilent Spectrum Analyzer - Swept SA (Market Agilent Spectrum Agilent So Center Freq 2.441000000 GH P IF Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm 10 0 0.00 Holding Hardet Agilent Agilent Agilent 10 0	HZ NO: Fast →→ Trig: Free Ru	INT ALIO Avg Type: Lo un	Accumulated	Oct 08, 2024     Frequency       2 3 4 5 6     Frequency       P NNNN     Auto Tune       Center Freq       2.441000000 GHz       Start Freq
Dwe M Agilent Spectrum Analyzer - Swept SA M RL RF 50Ω AC Center Freq 2.441000000 GF P IF Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm 10.0 0.00	HZ NO: Fast →→ Trig: Free Ru	INT ALIO Avg Type: Lo un	Accumulated	Oct08,2024         Frequency           2.3.4.5.0         Frequency           PNNNNN         Auto Tune           Center Freq         2.441000000 GHz           Start Freq         2.441000000 GHz           Stop Freq         2.441000000 GHz
Dwe Mailent Spectrum Analyzer - Swept SA M RL RF 50Ω AC Center Freq 2.441000000 GF P IF Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm 10.0 0.00 10.0 10.0 10.0 10.0	HZ NO: Fast →→ Trig: Free Ru	INT ALIO Avg Type: Lo un	Accumulated	Center Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 3.441000000 GHz 3.441000000 GHz 3.441000000 GHz 3.441000000 GHz
Dwe Mailent Spectrum Analyzer - Swept SA M RL RF 50 Ω AC Center Freq 2.441000000 GF P IF Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm 10 0 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.	HZ NO: Fast →→ Trig: Free Ru	INT ALIO Avg Type: Lo un	Accumulated	Qc108,2024       Frequency         Qc108,2024       Frequency         Qc108,2024       Frequency         Qc108,2024       Center Freq         Qc108,2024       Center Freq         Qc108,2024       Start Freq         Qc108,2024       Start Freq         Qc108,2024       Start Freq         Qc108,2024       Stop Freq         Qc108,2024       CF Step         1.000000 MHz       Auto         Auto       Man
Dwe Mail Agilent Spectrum Analyzer - Swept SA Mail RE Stop AC Center Freq 2.441000000 GF P IF Code Conter Freq 2.441000000 GF P IF Code Code Conter Freq 20.00 dBm Code Code Code Code Code Code Code Code	HZ NO: Fast →→ Trig: Free Ru	INT ALIO Avg Type: Lo un	Accumulated	Oct 08, 2024         Frequency           2 2 4 3 6         Frequency           P NINNN         Auto Tune           Center Freq         2.441000000 GHz           Start Freq         2.441000000 GHz           Stop Freq         2.441000000 GHz           Center Stop Freq         2.441000000 GHz
Dwe Main Agilent Spectrum Analyzer - Swept SA Main RL RF 500 AC Center Freq 2.441000000 GF P IF Ref Offset 0.5 dB 10 0 dB/div Ref 20.00 dBm 10 0 -0 00 -0 000 -0 000 -0 000 -0 000 -	HZ NO: Fast →→ Trig: Free Ru	INT ALIO Avg Type: Lo un	Accumulated	Oct08,2024       Frequency         2.3.3.56       Frequency         Auto Tune       Center Freq         2.441000000 GHz       Start Freq         2.441000000 GHz       Stop Freq         2.441000000 GHz       CF Stop Freq         1.000000 MHz       Lato Man         Freq Offset       Freq Offset
Mail       Ref       SOΩ       AC         Center Freq 2.441000000 GF       P       P         IO       Ref Offset 0.5 dB       0         IO       dB/div       Ref 20.00 dBm         000       IO       IO         10.0       IO       IO         0.00       IO       IO         10.0       IO       IO         -20.0       IO       IO         -30.0       IO       IO         -60.0       IO       IO	HZ NO: Fast →→ Trig: Free Ru	INT ALIA Avg Type: La B	Accumulated	an 0 Hz



	Dwell NVN	11 2-DH3 2-	441MHz (	One Burst	
Jagilent Spectrum Analyzer - Swept SA		SENSE:INT	ALIGN A		
Center Freq 2.4410000		Trig Delay-500.0 µs Trig: Video #Atten: 30 dB			Frequency
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm Log	1			ΔMkr1 1.643 ms 0.69 dB	Auto Tune
10.0	Δ2				Center Freq
0.00 X2				TRIG LVL	2.441000000 GHz
-20.0					Start Freq
-40.0					2.441000000 GHz
-60.0	na an ing ang aka ang an ing ani.	<mark>de la contra de la contra de La contra de la contra de</mark>	and the second	arren bir en birre trakte sin bere arren seriet i state. Arren ar birre dasid birre bir i arren birre bir i arren birre birre birre birre birre birre birre birre birre b	Stop Freq
-70.0		ين و من الد <b>ار العام م ال مع 1</b>	a an	area an	2.441000000 GHz
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW :	3.0 MHz	Sweep	Span 0 Hz 10.00 ms (10001 pts)	1.000000 MHz
<b>1</b> Δ2 <b>1</b> t (Δ)	× 1.643 ms (Δ)	0.69 dB		VIDTH FUNCTION VALUE	<u>Auto</u> Man
2 F 1 t 3 4	497.0 µs	-1.15 dBm			Freq Offset 0 Hz
5 6 7				=	
8 9 10					
MSG			s	STATUS	
				1 4 1	
	Dwell NVNT	2-DH3 244	41MHz Ac	ccumulated	
Magilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 2.44100000	00 GHz	SENSE:INT	ALIGN A Avg Type: Log-	UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	Frequency
📜 Agilent Spectrum Analyzer - Swept SA 📈 RL RF 50 Ω AC			ALIGN A	UTO 06:47:19 PM Oct 08, 2024	Frequency
Grient Spectrum Analyzer - Swept SA     RL	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT	ALIGN A	UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	Frequency
Magilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 2.44100000 Ref Offset 0.5 dB 10 dEJ/div Ref 20.00 dBm	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT	ALIGN A	UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	Frequency Auto Tune Center Freq
Agilent Spectrum Analyzer - Swept SA	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT	ALIGN A	UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	Frequency Auto Tune
Magilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 2.44100000 Ref Offset 0.5 dB 10 dEJ/div Ref 20.00 dBm	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT	ALIGN A	UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq
Agilent Spectrum Analyzer - Swept SA	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT	ALIGN A	UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	Frequency Auto Tune Center Freq 2.441000000 GHz
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Q         AC           Center Freq 2.44100000         Ref Offset 0.5 dB         Ref Offset 0.5 dB         Ref Offset 0.5 dB           10 dEJ/div         Ref 20.00 dBm         Ref 20.00 dBm<	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT	ALIGN A	UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq
Agilent Spectrum Analyzer - Swept SA           XX         RL         RF         50 Q         AC           Center Freq 2.44100000           Ref Offset 0.5 dB           10 dB/div         Ref 20.00 dBm           10.0           0.00	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT	ALIGN A	UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz
Agilent Spectrum Analyzer - Swept SA Agilent Spectrum Analyzer - Swept SA Center Freq 2.44100000 Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm 10.0 0.00 	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT	ALIGN A	UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	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 - Swept SA Agilent Spectrum Analyzer - Swept SA Center Freq 2.44100000 Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm 10 0 0 00 111111111111111111111111111	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT	ALIGN A	UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Q         AC           Center Freq 2.44100000         Ref Offset 0.5 dB         Ref Offset 0.5 dB         Ref Offset 0.5 dB           10 dB/div         Ref Offset 0.5 dB         Ref Offset 0.5 dB         Ref 0.6 dB         Ref 0.6 dB           10.0	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT	ALIGN A	UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	Frequency         Auto Tune         Center Freq         2.441000000 GHz         Start Freq         2.441000000 GHz         Stop Freq         2.441000000 GHz         CF Step         1.000000 MHz         Auto         Man         Freq Offset
Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC Center Freq 2.44100000 Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm 0.00 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT	ALIGN A	UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	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 - Swept SA RL BE 50 Q AC Center Freq 2.44100000 Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm 0.00 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000 -000	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT	ALIGN A	UTO 06:47:19 PM Oct 08, 202 Pwr TRACE 2 3 4 5 TYPE WANNUN DET P NNNNN 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Frequency         Auto Tune         Center Freq         2.441000000 GHz         Start Freq         2.441000000 GHz         Stop Freq         2.441000000 GHz         CF Step         1.000000 MHz         Auto         Man         Freq Offset         0 Hz
Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC Center Freq 2.44100000 Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm 10.0 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000	00 GHz PNO: Fast →→ IFGain:Low	SENSE:INT		UTO 06:47:19 PM Oct 08, 2024 Pwr TRACE 12345	Frequency         Auto Tune         Center Freq         2.441000000 GHz         Start Freq         2.441000000 GHz         Stop Freq         2.441000000 GHz         CF Step         1.000000 MHz         Auto         Man         Freq Offset         0 Hz





	well NVNT 2-DH5 2	441MHz One E	Burst	
M Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 2.441000000 G	PNO: Fast ++++ Trig: Video		06:47:35 PM Oct 08, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWW DET P N N N N N	Frequency
Ref Offset 0.5 dB	FGain:Low #Atten: 30 dB	ΔΜ	kr1 2.891 ms -1.08 dB	Auto Tune
Log 10.0 0.00	1Δ2		TRIG LVL	Center Freq 2.441000000 GHz
-10.0 <b>X</b> 294000 tellenereditereteretereteretereteretereteretereter				<b>Start Freq</b> 2.441000000 GHz
-50.0 		la Dala para sina a bilanya manala dan Jada kata kata kata kata kata kata kata k		<b>Stop Freq</b> 2.441000000 GHz
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 10.00	Span 0 Hz ms (10001 pts)	CF Step 1.000000 MHz
MKR MODE TRC SCL X 1 A2 1 t (A) 2 2 F 1 t 4 5	Y FU 891 ms (Δ) -1.08 dB 83.0 μs -11.40 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man <b>Freq Offset</b> 0 Hz
8 9 10 11 11 5 5		STATUS	v b	
	ell NVNT 2-DH5 24		ulated	
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 2.441000000 G	Hz	ALIGN AUTO	06:48:08 PM Oct 08, 2024	Frequency
Ref Offset 0.5 dB	PNO: Fast ↔ Trig: Free Run FGain:Low #Atten: 30 dB		TYPE WWWWWW DET PNNNNN	Auto Tune
0 dB/div Ref 20.00 dBm				<b>Center Fre</b> 2.441000000 GH
				<b>Start Free</b> 2.441000000 GH
20.0				
20 0 				2.441000000 GH CF Step 1.000000 MH
				Stop Fred 2.44100000 GH; 1.00000 MH; Auto Mar Freq Offse 0 H;



		NT 3-DH1 24	141MHz Or	ne Burst	
RL         RF         50 Ω         A           enter Freg 2.4410000	AC	SENSE:INT	ALIGN AUTO		24 6 Frequency
	PNO: Fast +++ IFGain:Low	Trig: Video #Atten: 30 dB	0 / 0	TYPE WWWWW DET PNNN	
Ref Offset 0.5 dl	B			ΔMkr1 391.0 μ 0.69 di	
0 dB/div Ref 20.00 dB 9 10.0					
142					Center Freq 2.441000000 GHz
				TRIG LV	
0.0					Start Freq 2.441000000 GHz
	1		<mark>den in den sen den berenden ber</mark> Herbindeken berenden berenden	den den processe (ander profesionen der profesionen der pro- diere besternen besternen der staten der stat	Stop Fred
	a an	an an a la Maria Maria.	a nata kanala kana hu a.	n en died Hattan auf seine	2.441000000 GH2
enter 2.441000000 GH; es BW 1.0 MHz		3.0 MHz	Sween 1	Span 0 H: 10.00 ms (10001 pts	
KR MODE TRC SCL	X	Y FUN			Auto Man
1 Δ2 1 t (Δ) 2 F 1 t 3	391.0 μs (Δ) 483.0 μs	0.69 dB -11.02 dBm			FreqOffset
4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6					= 0 Hz
6					
9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
		"		•	
G			STAT		
Agilent Spectrum Analyzer - Swept SA		T 3-DH1 244	1MHz Acc	umulated	
RL RF 50 Ω A enter Freq 2.4410000	AC	SENSE:INT	ALIGN AUTO	r TRACE 1 2 3 4 5	Frequency
	PNO: Fast ↔→ IFGain:Low	Trig: Free Run #Atten: 30 dB		DET PNNN	Auto Tune
Ref Offset 0.5 dE	B m				Auto Tune
					Cepter Fred
0.0					
					2.441000000 GHz
					2.441000000 GH
					2.441000000 GH
					2.44100000 GH2 Start Free 2.44100000 GH2 Stop Free
					2.44100000 GH2 Start Free 2.44100000 GH2 Stop Free
					2.44100000 GHz Start Free 2.44100000 GHz Stop Free 2.44100000 GHz CF Step
					2.44100000 GHz Start Free 2.44100000 GHz Stop Free 2.44100000 GHz CF Step 1.00000 MHz
					2.44100000 GHz Start Free 2.44100000 GHz Stop Free 2.44100000 GHz CF Step 1.00000 MHz <u>Auto</u> Mar
					2.44100000 GH2 Start Freq 2.44100000 GH2 Stop Freq 2.44100000 GH2 CF Step 1.00000 MH2 <u>Auto</u> Man
					2.44100000 GHz Start Free 2.44100000 GHz Stop Free 2.44100000 GHz CF Step 1.00000 MHz Auto Mar
					Freq Offset
		3.0 MHz	Sweed	Span 0 H	2.44100000 GH2 Start Freq 2.44100000 GH2 2.44100000 GH2 CF Step 1.00000 MH2 Auto Man Freq Offset 0 H2

JC JC PPR

еро



	Dwell NVNT 3-DH3 24	441MHz One	Burst	
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Ω         AC           Center Freq 2.441000000	PNO: Fast +++ Irig: Video	ALIGN AUTO Avg Type: Log-Pwr	06:48:24 PM Oct 08, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWW DET P N N N N	Frequency
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm	IFGain:Low #Atten: 30 dB	Δ	Mkr1 1.642 ms 1.74 dB	Auto Tune
10 dB/div Ref 20.00 dBm			TRIG LVL	Center Freq 2.441000000 GHz
-20.0				<b>Start Freq</b> 2.441000000 GHz
	unda ya analika mwaka afani ina mwaka na mwaka na mwaka Yaka kuji wa kasa ang mili mkana i kuji kuji kuji na mwaka na mwaka na mwaka na mwaka na mwaka na mwaka na mwak Mwaka na mwaka na mwa			<b>Stop Freq</b> 2.441000000 GHz
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 10.	Span 0 Hz .00 ms (10001 pts)	CF Step 1.000000 MHz <u>Auto</u> Man
MKR MODE TRC SCL X 4 Δ2 1 t (Δ) 2 F 1 t 3 4 5 5 6 7 8 8	Υ         FUN           1.642 ms         (Δ)         1.74 dB           497.0 μs         -1.87 dBm	ICTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset 0 Hz
9 10 11 11 11 11 11 11 11 11 11 11 11 11	111	STATUS	· ·	
Dv	vell NVNT 3-DH3 244	1MHz Accu	mulated	
RL         RF         50 Ω         AC           Center Freq 2.441000000         2.441000000         2.441000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.44100000000         2.441000000000         2.441000000000         2.44100000000000000000000000000000000000		ALIGN AUTO Avg Type: Log-Pwr	06:48:58 PM Oct 08, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Frequency
Ref Offset 0.5 dB	PNO: Fast ++- Trig: Free Run IFGain:Low #Atten: 30 dB		DET P NNNNN	Auto Tune
0 dB/div Ref 20.00 dBm				<b>Center Fre</b> 2.441000000 GH
				<b>Start Fre</b> 2.441000000 GH
000				Stop Free 2.441000000 GH
40.0				CF Step 1.000000 MH <u>Auto</u> Mar
60.0				Freq Offse 0 H:
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz		Span 0 Hz 31.60 s (10001 pts)	
SG		STATUS		



Agilent Spectrum Analyzer - Swept SA				
RL RF 50Ω AC Center Freq 2.441000000	PNO: Fast	-500.0 μs Avg Type:L	GN AUTO 06:49:16 PM 0 og-Pwr TRACE TYPE	Dct 08, 2024         Frequency           2 3 4 5 6         Frequency           > NNN N N         N
Ref Offset 0.5 dB 0 dB/div Ref 20.00 dBm	IFGain:Low #Atten: 30	dB	ΔMkr1 2.8	
0 dB/div Ref 20.00 dBm 99 10.0	1Δ2			Center Free 2.441000000 GH
				TRIG LVL Start Free
40.0				2.441000000 GH
			A second s	Copric
enter 2.441000000 GHz es BW 1.0 MHz	#VBW 3.0 MHz	Swe	Spa eep 10.00 ms (100	
KR         MODE         TRC         SCL         X           1         Δ2         1         t         (Δ)           2         F         1         t           3	2.893 ms         (Δ)         0.52 d           483.0 μs         -11.17 dB	IB	ION WIDTH FUNCTION	Auto Ma
4 5 6 7				
7 8 9 0 1				
G	III		STATUS	Þ
Agilent Spectrum Analyzer - Swept SA	well NVNT 3-DH	5 2441MHz	Accumulated	
RL RF 50Ω AC enter Freq 2.441000000		Avg Type: L Run		23456 Frequency
Ref Offset 0.5 dB				Auto Tun
) dB/div Ref 20.00 dBm				Center Fre
0 dB/div Ref 20.00 dBm				Center Fre 2.441000000 GH
0 dB/div Ref 20.00 dBm				Center Fre 2.44100000 GH Start Fre 2.441000000 GH
0 dB/div Ref 20.00 dBm				Center Fre 2.44100000 GH Start Fre 2.44100000 GH 2.441000000 GH
0 dB/div Ref 20.00 dBm 0 dB/div Ref 20.00 dBm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Center Fre 2.44100000 GH 2.44100000 GH 2.44100000 GH 2.44100000 GH 2.44100000 GH 2.44100000 GH
O dEX/div         Ref 20.00 dBm           00				Center Fre 2.44100000 GF 2.44100000 GF 2.44100000 GF 2.44100000 GF CF Ste 1.00000 MF Auto Ma
				Auto Tun           Center Fre           2.441000000 GH           Start Fre           2.441000000 GH           Stop Fre           2.441000000 GH           CF Step           1.000000 MH           Auto Ma           Freq Offsee           0 H
Big B/div         Ref 20.00 dBm           00				Center Fre           2.44100000 GF           1.00000 MF           Auto           Freq Offse



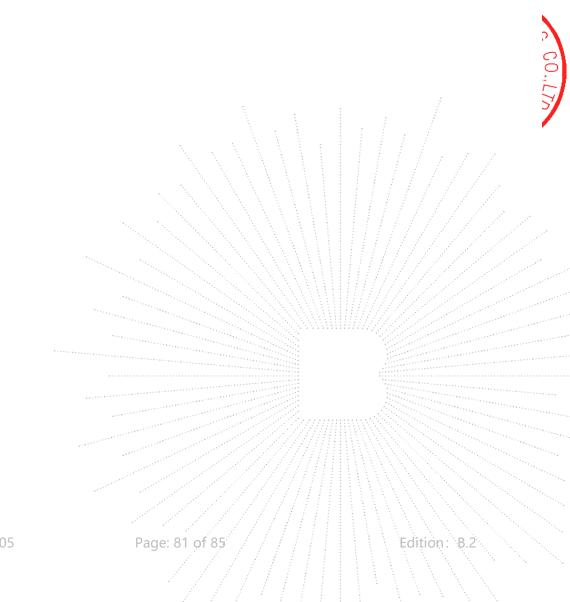
## 15. Antenna Requirement

#### 15.1 Limit

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

#### 15.2 Test Result

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





# 16. EUT Photographs

EUT Photo



NOTE: Appendix-Photographs Of EUT Constructional Details

Page: 82 of 85



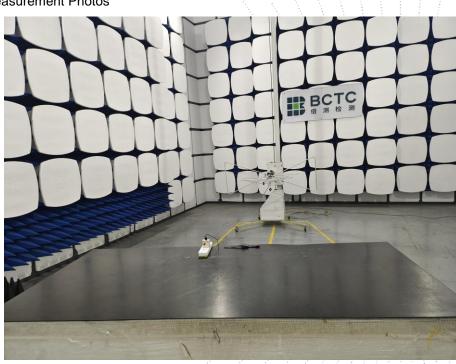
# 17. EUT Test Setup Photographs

#### Conducted emissions





#### Radiated Measurement Photos



No.: BCTC/RF-EMC-005

Page: 83 of 85







TES TC OVED

No.: BCTC/RF-EMC-005

Page: 84 of 85



## STATEMENT

- 1. The equipment lists are traceable to the national reference standards.
- 2. The test report can not be partially copied unless prior written approval is issued from our lab.
- 3. The test report is invalid without the "special seal for inspection and testing".
- 4. The test report is invalid without the signature of the approver.
- 5. The test process and test result is only related to the Unit Under Test.

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

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

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

Address:

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

TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

Website: http://www.chnbctc.com

Consultation E-mail: bctc@bctc-lab.com.cn

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

***** END *****

No.: BCTC/RF-EMC-005

Page: 85 of 85