





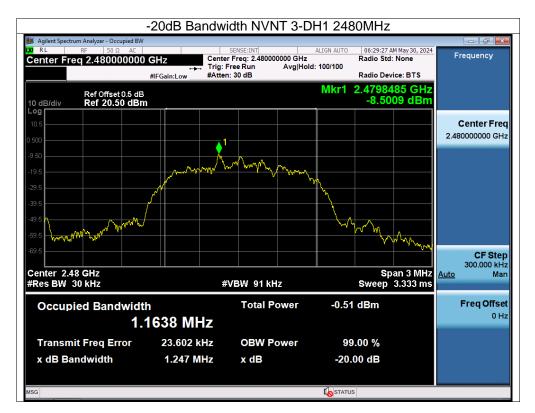






epor







No.: BCTC/RF-EMC-005

Page: 56 of 86



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.

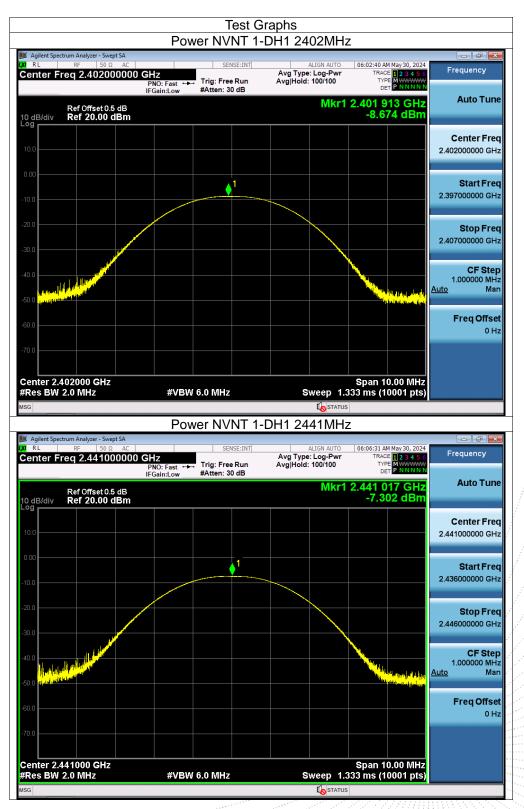
2. Set the spectrum analyzer: RBW = 2MHz. VBW = 6MHz. Sweep = auto; Detector Function = Peak.

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

11.4 Test Result

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	-8.67	21	Pass
NVNT	1-DH1	2441	-7.30	21	Pass
NVNT	1-DH1	2480	-5.98	21	Pass
NVNT	2-DH1	2402	-7.69	21	Pass
NVNT	2-DH1	2441	-6.31	21	Pass
NVNT	2-DH1	2480	-5.16	21	Pass
NVNT	3-DH1	2402	-6.99	21	Pass
NVNT	3-DH1	2441	-5.93	21	Pass
NVNT	3-DH1	2480	-4.62	21	Pass



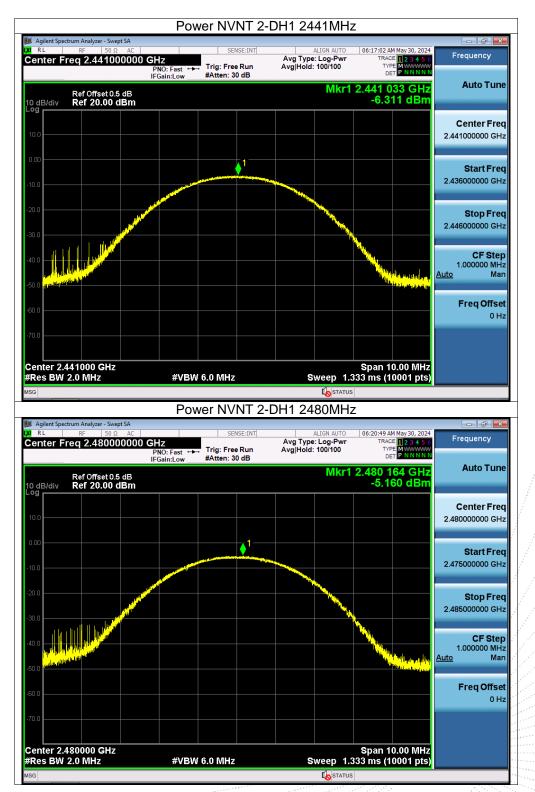




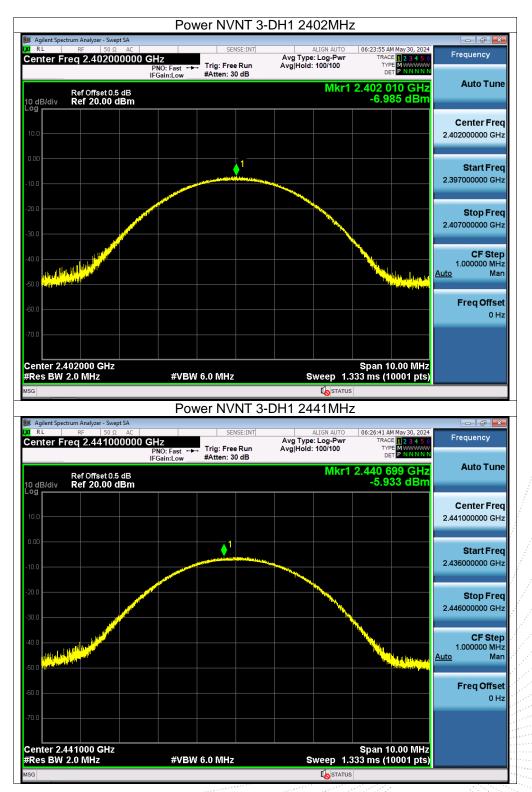












JC JC PPR

epoi





No.: BCTC/RF-EMC-005

Page: 62 of 86



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.

odulation	Test Channel	Separation (MHz)	Limit(MHz)	Result
GFSK	Low Man	0.998	0.589	PASS
GFSK	Middle	1.002	0.571	PASS
GFSK	High	1.000	0.559	PASS
π/4 DQPSK	Low	0.998	0.827	PASS
π/4 DQPSK	Middle	1.000	0.836	PASS
π/4 DQPSK	High	1.000	0.819	PASS
8DPSK	Low	0.998	0.797	PASS
8DPSK	Middle	1.000	0.806	PASS
8DPSK	High	1.000	0.831	PASS

12.4 Test Result



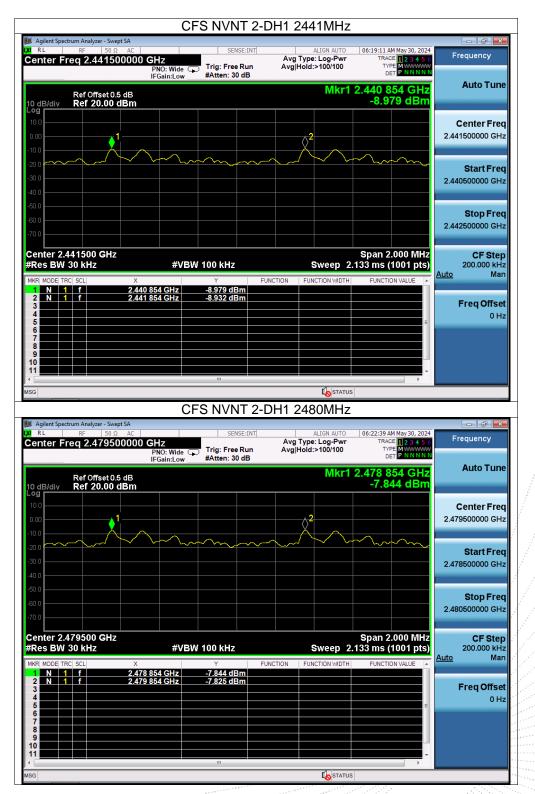
	Test G CFS NVNT 1-I			
Agilent Spectrum Analyzer - Swept SA				
RL RF 50 Ω AC enter Freq 2.402500000 G	HZ NO: Wide Trig: Free Run FGain:Low #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	06:04:29 AM May 30, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
Ref Offset 0.5 dB 0 dB/div Ref 20.00 dBm	Gametow	Mkr1 2.	401 856 GHz -10.309 dBm	Auto Tuno
				Center Free
0.00		2		2.402500000 GH
20.0			~	
30.0		~		Start Free 2.401500000 GH:
40.0				
50.0				Stop Free
70.0				2.403500000 GH
enter 2.402500 GHz Res BW 30 kHz	#VBW 100 kHz		Span 2.000 MHz 3 ms (1001 pts)	CF Ster 200.000 kH
KR MODE TRC SCL X	Y FL	JNCTION FUNCTION WIDTH		uto Mai
2 N 1 f 2.4028	56 GHz -10.309 dBm 54 GHz -10.329 dBm			Freq Offse
3 4 5				0 H
6 7				
8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10				
GG		K STATUS		
	CFS NVNT 1-I	DH1 2441MHz		
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC	SENSE:INT		06:07:55 AM May 30, 2024	Frequency
enter Freq 2.441500000 G	PNO: Wide Trig: Free Run FGain:Low #Atten: 30 dB	Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNNN	requeitcy
Ref Offset 0.5 dB	roam.cow mitten co up	Mkr1 2.	440 854 GHz	Auto Tune
0 dB/div Ref 20.00 dBm			-9.107 dBm	
10.0 x 1				Center Free 2.441500000 GH
				2.44 1000000 GIT
20.0				Start Free
40.0				2.440500000 GH
50.0				Stop Free
50.0				2.442500000 GH
			man 2 000 Milla	05.04
enter 2.441500 GHz Res BW 30 kHz	#VBW 100 kHz		Span 2.000 MHz 3 ms (1001 pts)	CF Step 200.000 kH
MKR MODE TRC SCL X 1 N 1 f 2.440 8	Y FU 54 GHz -9.107 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>uto</u> Mar
2 N 1 f 2.441 8	56 GHz -9.057 dBm			Freq Offse
4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			=	0 H:
7 8				



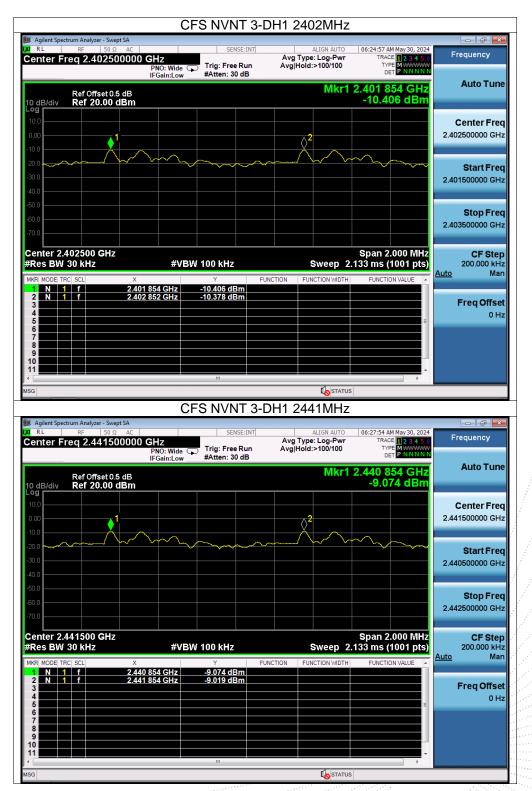












JC JC JPR

epoi



	CFS NVNT	3-DH1 2480MHz	<u> </u>	
🗾 Agilent Spectrum Analyzer - Swept SA 💓 R L RF 50 Ω AC	SENSE:I		06:30:47 AM May 30, 2024	Frequency
Center Freq 2.479500000	PNO: Wide Trig: Free Ru IFGain:Low #Atten: 30 dE		TRACE 123456 TYPE MWWWW DET PNNNN	
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm		Mkr1	2.478 854 GHz -7.992 dBm	Auto Tune
		2 ²		Center Freq 2.479500000 GHz
-100 -20 0 -30 0 -40 0				Start Freq 2.478500000 GHz
-50.0 -60.0 -70.0				Stop Fred 2.480500000 GHz
Center 2.479500 GHz #Res BW 30 kHz	#VBW 100 kHz	Sweep 2	Span 2.000 MHz 2.133 ms (1001 pts)	CF Step 200.000 kHz Auto Man
MKR MODE TRC SCL X	Y 8 854 GHz -7.992 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man
	9 854 GHz -7.988 dBm			Freq Offset 0 Hz
6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7				
	III			
MSG		ίωstatu	IS	



No. : BCTC/RF-EMC-005

Page: 68 of 86



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



Agilent Spectrum Analyzer	- Swept SA	· ·	1-DH1 2441N		- ¢ ×
RL RF Center Freq 2.44	PNO: Fast	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	06:34:30 AM May 30, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P N N N N N	Frequency
Ref Offso 0 dB/div Ref 20.	IFGain:Low	#Atten: 30 dB	Mkr1 2.	402 004 0 GHz -8.915 dBm	Auto Tune
-од 10.0 0.00 - 1	100 4000 4000 4000 4000 4000 4000 4000			, 2 1740404000	Center Freq 2.441750000 GHz
20.0 + + + + + + + + + + + + + + + + + +	<u>+Û}441044010</u>	<u>, , , , , , , , , , , , , , , , , , , </u>	<u>₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩</u>		Start Fred 2.40000000 GHz
60.0 					Stop Fred 2.483500000 GHz
Start 2.40000 GHz Res BW 100 kHz	#VB\	N 300 kHz	Sweep 8.	Stop 2.48350 GHz 000 ms (1001 pts)	CF Step 8.350000 MHz <u>Auto</u> Mar
MKR MODE TRC SCL 1 1 f 1 f 2 N 1 f 1 3	X 2.402 004 0 GHz 2.479 993 0 GHz	-8.915 dBm -6.658 dBm		FUNCTION VALUE	Freq Offse 0 Hi
10 11			Lo STATUS	• •	
	Норрі	ng No. NVNT	2-DH1 2441N		
Agilent Spectrum Analyzer RL RF enter Freq 2.44	50 Ω AC	SENSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	06:39:43 AM May 30, 2024 TRACE 1 2 3 4 5 6 TYPE DET P NNNN N	Frequency
Ref Offso 0 dB/div Ref 20.	et0.5 dB 00 dBm		Mkr1 2	401 837 0 GHz -8.647 dBm	Auto Tune
10.0 0.00 10.0	mmmmmm	ኯኯኯኯኯኯኯኯ	NIMANAMANA		Center Fred 2.441750000 GH;
20.0					Start Fred 2.400000000 GH:
50.0 4 60.0				\.	Stop Free 2.483500000 GH
		N 300 kHz	Sweep 8.	Stop 2.48350 GHz .000 ms (1001 pts)	CF Step 8.350000 MH: <u>Auto</u> Mar
Start 2.40000 GHz Res BW 100 kHz		M EU		FUNCTION VALUE 🔺	
	X 2.401 837 0 GHz 2.480 160 0 GHz	-8.647 dBm -7.243 dBm	VCTION FUNCTION WIDTH	=	Freq Offse 0 H:



	Норр	ing No. NV	/NT 3-DF	11 2441N	MHz	
Agilent Spectrum Analyzer - Sw	1	SENSE:IN	at l	ALIGN AUTO	06:45:17 AM May 30, 2	
Center Freq 2.4417	50000 GHz		Avg T	ype: Log-Pwr old:>100/100	TRACE 1 2 3 4 TYPE M	5 6 Frequency
	PNO: Fast IFGain:Low	#Atten: 30 dB	i Avgini	510.2100/100	DET PNNN	N N
Ref Offset 0 10 dB/div Ref 20.00 Log				Mkr1 2	.401 837 0 GH -9.926 dB	
10.0						Center Fred
0.00						2 2.441750000 GHz
-10.0	hthang	ᢣ᠋ᡃᠯᠰᡅᡘ᠕ᡀᠰᡟᢣᡬ	www.www	www.www.ww		
-20.0						StartFree
-40.0						2.40000000 GHz
-50.0 4						
-60.0					`	Stop Free 2.483500000 GH;
-70.0						2.4000000 GHz
Start 2.40000 GHz #Res BW 100 kHz	#VE	300 kHz			Stop 2.48350 GI .000 ms (1001 pt	S) 8.350000 MH
MKR MODE TRC SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Man
1 N 1 f 2 N 1 f	2.401 837 0 GHz 2.480 494 0 GHz	-9.926 dBm -10.887 dBm				Freq Offse
3						0 H
5						
8						
9						
11					•	
MSG					3	



No. : BCTC/RF-EMC-005

Page: 71 of 86



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.

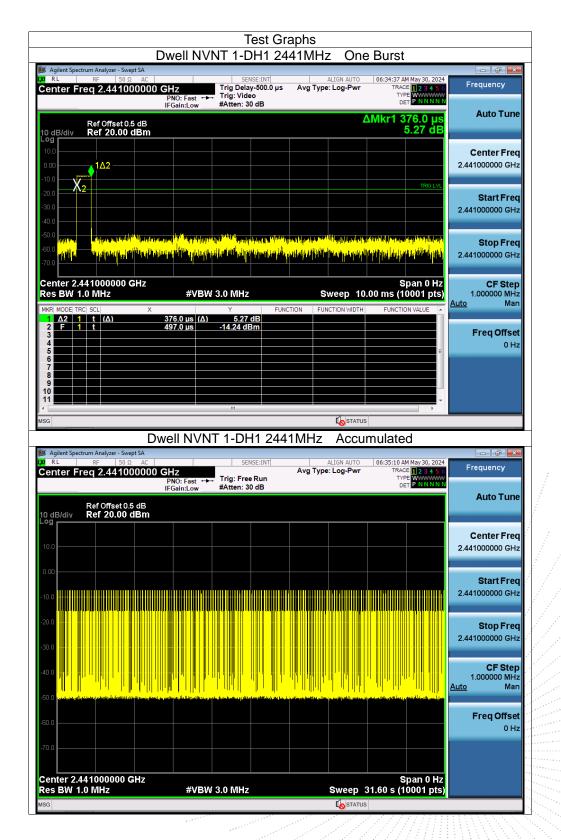
4. Use the marker-delta function to determine the dwell time. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH1	2441	0.376	119.192	317	31600	400	Pass
1-DH3	2441	1.632	259.488	159	31600	400	Pass
1-DH5	2441	2.879	310.932	108	31600	400	Pass
2-DH1	2441	0.386	121.59	315	31600	400	Pass
2-DH3	2441	1.638	263.718	161	31600	400	Pass
2-DH5	2441	2.886	282.828	98	31600	400	Pass
3-DH1	2441	0.387	123.453	319	31600	400	Pass
3-DH3	2441	1.637	263.557	161	31600	400	Pass
3-DH5	2441	2.887	323.344	112	31600	400	Pass

14.4 Test Result

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





еро



	Dwell NVN			One Burst		
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 2.44100000	DO GHz PNO: Fast ++++	SENSE:INT Trig Delay-500.0 µs Trig: Video		g-Pwr TRAI TY	M May 30, 2024 CE 1 2 3 4 5 6 PE WWWWWWW ET P N N N N N	Frequency
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm	IFGain:Low	#Atten: 30 dB		ΔMkr1 1		Auto Tune
-og 10.0 0.00	Δ2					Center Freq 2.441000000 GHz
10.0 X2					TRIG LVL	Start Fred 2.441000000 GHz
40.0 50.0 ///////////////////////////////////			n aller of Karal partners and	<mark>lair polaith an is in the start an </mark>	<mark>, Alan Katanganan Priping Priping</mark>	Stop Fred 2.441000000 GH:
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW	3.0 MHz	Swee	s p 10.00 ms (1	span 0 Hz 0001 pts)	CF Step 1.000000 MH: <u>Auto</u> Mar
1 Δ2 1 t (Δ) 2 F 1 t 3 4 4 4	× 1.632 ms (Δ) 497.0 μs	Y FU 2.12 dB -12.28 dBm	INCTION FUNCTIO	N WIDTH FUNCTI	ON VALUE	Freq Offse
5 6 7 8 9 9					=	
		III			•	
G	Dwell NVN	T 1-DH3 24			d	
Agilent Spectrum Analyzer - Swept SA						
RL RF 50 Ω AC	00 GHz	SENSE:INT	ALIG Avg Type: Lo	g-Pwr TRA	M May 30, 2024 CE 1 2 3 4 5 6	Frequency
RL RF 50Ω AC enter Freq 2.44100000	00 GHz PNO: Fast ↔→ IFGain:Low	SENSE:INT Trig: Free Run #Atten: 30 dB		g-Pwr TRA		Frequency
RL RF 50 Ω AC center Freq 2.44100000 	PNO: Fast ↔→ IFGain:Low	Trig: Free Run		g-Pwr TRA	DE 123456	Frequency Auto Tun
RL RF 50 Ω AC enter Freq 2.44100000 Ref Offset 0.5 dB Ref Offset 0.5 dB 0 dB/div Ref 20.00 dBm Ref 20.00 dBm	PNO: Fast ↔→ IFGain:Low	Trig: Free Run		g-Pwr TRA	DE 123456	Frequency Auto Tun Center Free
RL RF 50 Ω AC enter Freq 2.44100000 Ref Offset 0.5 dB Ref 0 ffset 0.5 dB Ref 20.00 dBm 0 dB/div Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm	PNO: Fast ↔→ IFGain:Low	Trig: Free Run		g-Pwr TRA	DE 123456	Frequency Auto Tun Center Free 2.441000000 GH Start Free
RL RF 50 Ω AC enter Freq 2.44100000 Ref Offset 0.5 dB Ref 000000000000000000000000000000000000	PNO: Fast ↔→ IFGain:Low	Trig: Free Run		g-Pwr TRA	DE 123456	Frequency Auto Tun Center Free 2.44100000 GH Start Free 2.441000000 GH Stop Free
RL RF 50 Ω AC enter Freq 2.44100000 Ref Offset 0.5 dB Ref Offset 0.5 dB Ref 0.00 dBm 0 dB/div Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm 0 0 dB/div Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm 0 0 0 Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm 0 0 0 Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm 0 0 0 Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm 0 0 0 Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm 0 0 0 Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm 0 0 0 Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm	PNO: Fast ↔→ IFGain:Low	Trig: Free Run		g-Pwr TRA		Frequency Auto Turn Center Free 2.441000000 GH Start Free 2.441000000 GH Stop Free 2.441000000 GH
RL RF 50 Ω AC center Freq 2.44100000 Ref Offset 0.5 dB	PNO: Fast ↔→ IFGain:Low	Trig: Free Run		g-Pwr TRA		Frequency Auto Tune Center Freq 2.441000000 GH Start Freq 2.441000000 GH Stop Freq 2.441000000 GH Stop Freq 2.441000000 GH CF Step 1.000000 MH Auto Mar Freq Offse
Ref 50 0 AC center Freq 2.44100000 Ref Offset 0.5 dB Ref 20.00 dBm 9 0 0 100 0 0 200 0 0 300 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0 100 0 0	PNO: Fast ↔→ IFGain:Low	Trig: Free Run		g-Pwr TRA		Auto Tune Center Free 2.44100000 GH: 2.44100000 GH: 2.44100000 GH: 2.44100000 GH: CF Step 1.00000 MH:
RL RF 50 Ω AC enter Freq 2.44100000 Ref Offset 0.5 dB Ref Offset 0.5 dB Ref Offset 0.5 dB 0 dB/div Ref 20.00 dBm Ref 0.0 dBm Ref 0.0 dBm Ref 0.0 dBm 0 dB/div Ref 0.0 dBm Ref	PNO: Fast →→ IFGain:Low	Trig: Free Run	Avg Type: Los			Start Frequency Auto Tun Center Frequency 2.441000000 GH Start Frequency 2.441000000 GH Stop Frequency 2.441000000 GH CF Step 1.000000 GH Auto Tun Stop Frequency 1.000000 GH Auto Ma Freq Offset



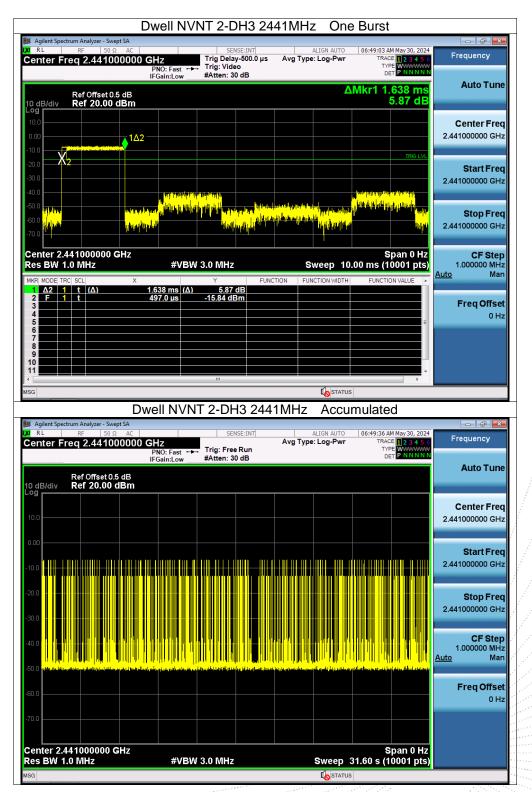
Bet -	Jweir INVIN	T 1-DH5 24		ne Burst	
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 2.441000000	PNO: Fast +++ 1	SENSE:INT Trig Delay-500.0 μs Trig: Video	ALIGN AUT		Frequency
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm	IFGain:Low #	#Atten: 30 dB		ΔMkr1 2.879 ms -2.20 dB	Auto Tune
Log 10.0 0.00					Center Free 2.441000000 GH:
-10.0	1Δ2			TRIG LVL	Start Free
-30.0					2.441000000 GH:
-60.0 (Hyp)1 -70.0			nd hereiterinde die bedrech milden die bedrech milden die bedrech	a na ana ang ang ang ang ang ang ang ang	Stop Free 2.441000000 GH:
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.	.0 MHz	Sweep	Span 0 Hz 10.00 ms (10001 pts)	CF Step 1.000000 MH: <u>Auto</u> Mar
MKR MODE TRC SCL X 1 Δ2 1 t (Δ) 2 F 1 t 3	2.879 ms (Δ) 491.0 μs -	Y FUN -2.20 dB -20.58 dBm	ICTION FUNCTION WID	TH FUNCTION VALUE	Freq Offse
4 5 6 7					0 H:
8 9 10 11					
		" 1-DH5 244			
📕 Agilent Spectrum Analyzer - Swept SA K RL RF 50 Ω AC		SENSE:INT	ALIGN AUT	06:48:38 AM May 30, 2024	
Center Freq 2.441000000	PNO: Fast ↔→→	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pw	TRACE 2 3 4 5 6 TYPE WWWWWW DET P N N N N N	
Ref Offset 0.5 dB 0 dB/div Ref 20.00 dBm					Auto Tun
- ⁰ 9					
0.00					2.441000000 GH
					2.441000000 GH Start Free 2.441000000 GH
					2.441000000 GH Start Free 2.441000000 GH Stop Free
					2.441000000 GH Start Free 2.441000000 GH Stop Free 2.441000000 GH CF Stef 1.00000 MH
					2.441000000 GH: Start Free 2.441000000 GH: Stop Free 2.441000000 GH: CF Step 1.000000 MH: Auto Mar Free Offse
1000 000 					CF Step 1.000000 MH:
	#VBW 3.	0 MHz		Span 0 Hz 31.60 s (10001 pts)	2.441000000 GH: Start Free 2.441000000 GH: 2.441000000 GH: 2.441000000 GH: CF Step 1.000000 MH: <u>Auto</u> Mar Freq Offse 0 H:



	Dwell NV	NT 2-DH1 24	41MHz One	e Burst	
Magilent Spectrum Analyzer - Swept	AC AC	SENSE:INT	ALIGN AUTO	06:39:49 AM May 30, 2024	
Center Freq 2.44100	0000 GHz PNO: Fast ↔ IFGain:Low	Trig Delay-500.0 μs Trig: Video #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 123456 TYPE WWWWW DET PNNNN	Frequency
Ref Offset 0.5 10 dB/div Ref 20.00 d	dB Bm			∆Mkr1 386.0 µs -4.50 dB	Auto Tune
10.0					Center Freq
ο.00 -10.0				TRIG LVL	2.441000000 GHz
-20.0					Start Freq 2.441000000 GHz
-40.0	instaling to provide the state of the state	ana d ^{inan} tan dalaman dagi biladi.	n ar bin tahun dalah kuma na kum	and the supervision of the local line and	Oton From
60.0			Berlein, Ballina Participation (1911)		Stop Freq 2.441000000 GHz
Center 2.441000000 G Res BW 1.0 MHz		3.0 MHz	Sweep 10	Span 0 Hz .00 ms (10001 pts)	CF Step 1.000000 MHz
	× 386.0 μs (Δ)		TION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man
2 F 1 t 3 4	497.0 µs	-9.64 dBm			Freq Offset 0 Hz
5 6 7				E	
8 9 10 11					
MSG		m	I STATU:	s	
	Dwell NVN	T 2-DH1 244	1MHz Accu	mulated	
Jagilent Spectrum Analyzer - Swept	t SA	SENSE:INT	ALIGN AUTO	06:40:22 AM May 30, 2024	
Center Freq 2.44100		Tria Free Day	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE WWWWW DET P NNNN	Frequency
Ref Offset 0.5 10 dB/div Ref 20.00 d	dB				Auto Tune
10.0					Center Freq 2.441000000 GHz
0.00					2.44100000 GH2
-10.0					Start Freq 2.441000000 GHz
-20.0					Stop Freq
-30.0					2.441000000 GHz
-40.0					CF Step 1.000000 MHz
-50.0 <mark>-1111 - 1111 - 1111 - 1111</mark>	ا الله الله الله الله الله الله الله ال				<u>Auto</u> Man
-60.0					Freq Offset 0 Hz
-70.0					
Center 2.441000000 G		2.0 MU	Guiace	Span 0 Hz	
Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep	31.60 s (10001 pts)	

2 CO.,LTA



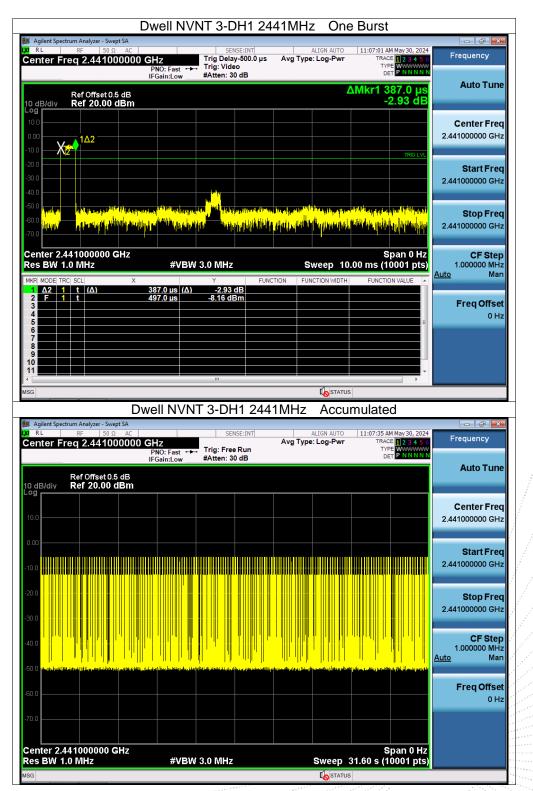






	well NVNT 2-DH5 2	441MHz One	Burst	
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC enter Freq 2.4410000000 G	PNO: Fast ++++ Trig: Video		11:04:59 AM May 30, 2024 TRACE 2 3 4 5 6 TYPE WWWWWWWW DET P N N N N N	Frequency
Ref Offset 0.5 dB 0 dB/div Ref 20.00 dBm 99	FGain:Low #Atten: 30 dB	ΔΝ	lkr1 2.886 ms 0.31 dB	Auto Tune
og 10.0 .00	1Δ2			Center Freq 2.441000000 GHz
10.0 X2			TRIG LVL	Start Freq
40.0 40.0 50.0	upper play and a second s		status fais the same be officialized	2.441000000 GHz
50.0 <mark>(44)ml)</mark> 70.0			sa katang dinasi kanyi	Stop Fred 2.441000000 GH;
enter 2.441000000 GHz tes BW 1.0 MHz	#VBW 3.0 MHz	-	Span 0 Hz 0 ms (10001 pts)	CF Step 1.000000 MH: <u>Auto</u> Mar
2 F 1 t 4	.886 ms (Δ) 0.31 dB I97.0 μs -10.14 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offse
4 5 6 7				он
8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			•	
G			•	
Dw Agilent Spectrum Analyzer - Swept SA	ell NVNT 2-DH5 244	11MHz Accum	ulated	¢ ×
RL RF 50 Ω AC enter Freq 2.441000000 G	HZ PNO: Fast ↔ Trig: Free Run FGain:Low #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr	11:05:32 AM May 30, 2024 TRACE 1 2 3 4 5 6 TYPE DET P N N N N N	Frequency
Ref Offset 0.5 dB dB/div Ref 20.00 dBm				Auto Tun
0.0				Center Free 2.441000000 GH
.00				Start Free
				2.441000000 GH
0.0				Stop Free 2.441000000 GH
0.0				CF Step 1.000000 MH <u>Auto</u> Mai
i na na sana ang na ng mang na ng mang na ng mang ng m 19.00 na sana ang ng mang ng ma 19.00 na sana ang ng mang ng ma	en fingen i gente gente objektionen mit de bester in de sente gente operationen. An finder i ander i gente operationen in de sente	an a	in a second a la constante de l Constante de la constante de la Constante de la constante de la	<u>Auto</u> Mar Freq Offse
0.0				0 H:
enter 2.441000000 GHz				
enter 2.44 1000000 GHZ			Span 0 Hz	





ероі



		NT 3-DH3 24	41MHz On	e Burst	
Agilent Spectrum Analyzer - S RL RF 50 Center Freq 2.441	0 Ω AC 0000000 GHz PNO: Fast ↔	SENSE:INT Trig Delay-500.0 µs Trig: Video	ALIGN AUTO Avg Type: Log-Pwr	06:50:49 AM May 30, 2024 TRACE 12 3 4 5 6 TYPE WWWWWW DET P N N N N N	Frequency
Ref Offset	IFGain:Low	#Atten: 30 dB		∆Mkr1 1.637 ms -5.35 dB	Auto Tune
0 dB/div Ref 20.0					Center Freq 2.441000000 GHz
10.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0				TRIG LVL	Start Fred 2.441000000 GHz
	a provinsi provinsi formati a stati da a su a	en ^t etre til gravnik se program för det til Te form för det och til gravning diskort til	a yanal a tayan bara arina bara ya ya 1 ƙing katiya a Katiri Alay aliya kamina	de hanna han en hallen en sin pale Anne anna faithe e shanna halle	Stop Fred 2.441000000 GH;
enter 2.441000000 es BW 1.0 MHz) GHz	3.0 MHz	Sweep 1	Span 0 Hz 0.00 ms (10001 pts)	CF Step 1.000000 MH
KR MODE TRC SCL 1 Δ2 1 t (Δ) 2 F 1 t 3	X 1.637 ms (Δ) 497.0 μs	Y FUNC -5.35 dB -9.26 dBm	CTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mai Freq Offse
4 5 6 7 8				E	0 H
9		III			
G					
Agilent Spectrum Analyzer - S		T 3-DH3 244		umulated	
RL RF 50 enter Freq 2.441		SENSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr	06:51:23 AM May 30, 2024 TRACE 2 3 4 5 6 TYPE WWWWWW DET P N N N N N	Frequency
Ref Offset dB/div Ref 20.00					Auto Tun
0.0					Center Free 2.441000000 GH
00					Start Fre 2.441000000 GH
0.0					Stop Fre 2.441000000 GH
0.0					CF Stej 1.000000 MH <u>Auto</u> Mai
0.0 0.0	una ar 1993 yn 1993 y 1994 y 1994 y 1997 y 1997 Ar 1997 y 199 Ar 1997 y 19	n yn ffynn yn graf yn gyn y Yn yn yn gyn gyn gyn gyn gyn gyn gyn gyn	a an	en e	Freq Offse
0.0					ОН
ontor 2 44400000	GH7			Span 0 Hz	
enter 2.441000000 es BW 1.0 MHz		/ 3.0 MHz	Sweep	31.60 s (10001 pts)	



		/NT 3-DH5 24	441MHz On	e Burst	
Agilent Spectrum Analyzer - 3 RL RF 5 enter Freq 2.441	0 Ω AC 000000 GHz PNO: Fast ↔	SENSE:INT Trig Delay-500.0 µs	ALIGN AUTO Avg Type: Log-Pwr	06:51:42 AM May 30, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P NNNNN	Frequency
Ref Offset dB/div Ref 20.0		#Atten: 30 dB	L	Mkr1 2.887 ms -1.42 dB	Auto Tun
0.0 B/div Ref 20.0					Center Fre 2.441000000 GH
0.0 X <mark>. 11. 11. 11. 11. 11. 11. 11. 11. 11. 1</mark>				TRIG LVL	Start Fre
0.0					2.441000000 GH
	in the second	n ya afi da tana ka dina shadadi <mark>Ana shi shi pushi parta da ka ka ka ka</mark>		antara ana ara ara ara ara	Stop Fre 2.441000000 GH
enter 2.44100000 es BW 1.0 MHz		N 3.0 MHz	Sweep 10	Span 0 Hz).00 ms (10001 pts)	CF Ste 1.000000 M⊦
KR MODE TRC SCL 1 Δ2 1 t (Δ)	× 2.887 ms (Δ)	Y FUI -1.42 dB	NCTION FUNCTION WIDTH		<u>Auto</u> Ma
2 F 1 t 3 4 5	483.0 μs	-19.23 dBm			FreqOffse 0⊢
6 6 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					
9 0 1					
a			STATU:	s	
Agilent Spectrum Analyzer -		NT 3-DH5 244	11MHz Accu	mulated	
	0 Ω AC	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	06:52:15 AM May 30, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Frequency
Ref Offset	IFGain:Low	#Atten: 30 dB		DET P N N N N	Auto Tur
dB/div Ref 20.0					0
0.0					Center Fre 2.441000000 GH
.00					Start Fre
					2.441000000 GH
).0					Stop Fre
0.0					2.441000000 GH
0.0 4 11. 11. 11. 11. 11. 10. 11.					CF Ste 1.000000 MH Auto Ma
D. O. M. S. C. M. Star (1997). C. M. S.	na in the share in the state of	ar a gan an an gan gan bai ya bi saati na singa ar a gan an an gan gan bai ya bi saati na singa	an la faithe ann an tha lan ann an tha ann an tha San la faithe ann an tha lan ann an tha ann an tha	n i fan her i fan de fan de Fan fan her fan de f	
0.0					FreqOffse 0 ⊦
0.0					
enter 2.44100000 es BW 1.0 MHz		N 3.0 MHz		Span 0 Hz 31.60 s (10001 pts)	



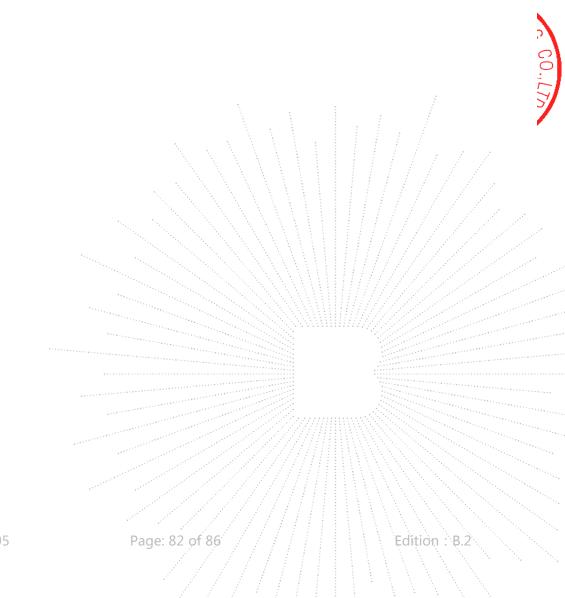
15. Antenna Requirement

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, fulfill the requirement of this section.



No.: BCTC/RF-EMC-005



16. EUT Photographs

EUT Photo



NOTE: Appendix-Photographs Of EUT Constructional Details

No.: BCTC/RF-EMC-005

Page: 83 of 86



17. EUT Test Setup Photographs

Conducted emissions





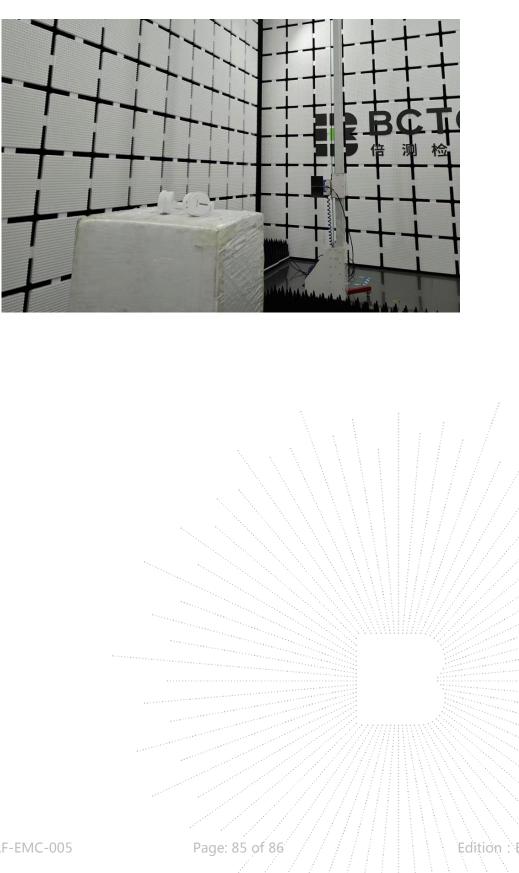
Radiated Measurement Photos



No.: BCTC/RF-EMC-005

Page: 84 of 86





No. : BCTC/RF-EMC-005

·B.

TES

t Seal



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: 86 of 86