





















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.

Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1 •	2402	0.843	Pass
NVNT	1-DH1	2441	0.881	Pass
NVNT	1-DH1	2480	0.877	Pass
NVNT	2-DH1	2402	1.253	Pass
NVNT	2-DH1	2441	1.242	Pass
NVNT	2-DH1	2480	1.252	Pass
NVNT	3-DH1	2402	1.218	Pass
NVNT	3-DH1	2441	1.219	Pass
NVNT	3-DH1	2480	1.216	Pass

10.4 Test Result

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11. Maximum Peak Output Power

11.1 Block Diagram Of Test Setup



11.2 Limit

FCC Part15 (15.247) , Subpart C						
Section	Test Item	Limit	Frequency Range (MHz)	Result		
15.247(b)(1)	Peak Output Power	0.125 watt or 21dBm	2400-2483.5	PASS		

11.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

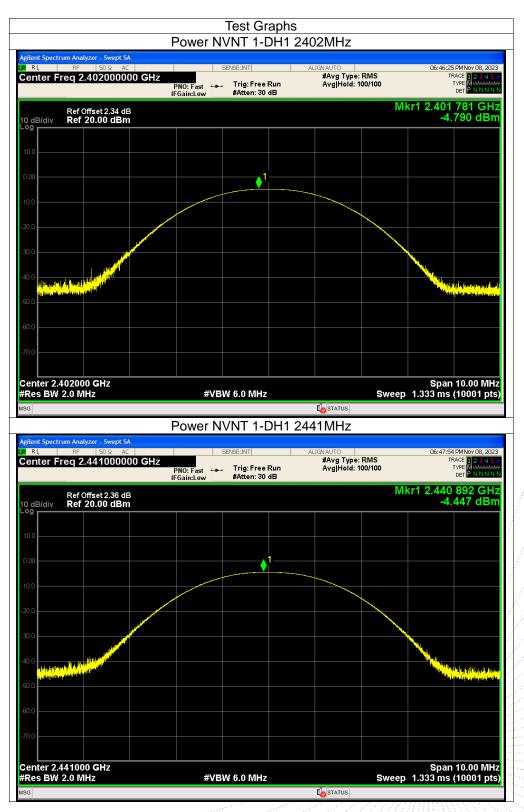
2. Set the spectrum analyzer: RBW = 2MHz. VBW = 6MHz. Sweep = auto; Detector Function = Peak.

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

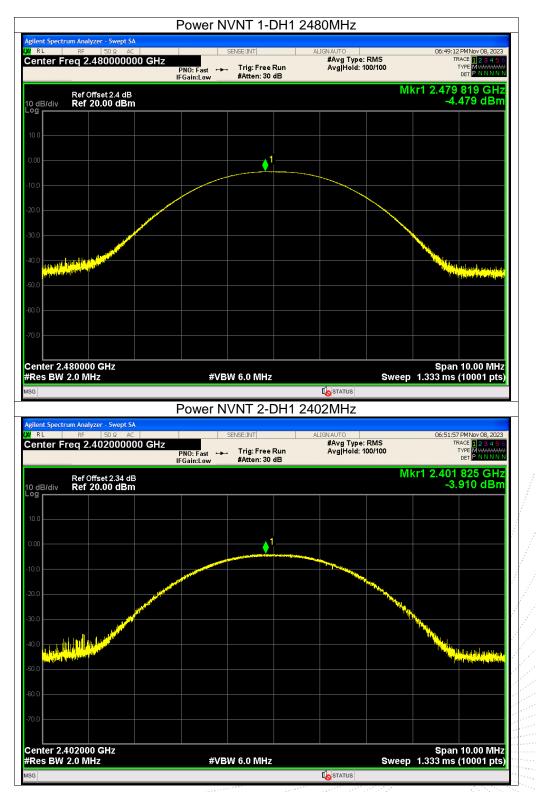
11.4 Test Result

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	-4.79	21	Pass
NVNT	1-DH1	2441	-4.45	21	Pass
NVNT	1-DH1	2480	-4.48	21	Pass
NVNT	2-DH1	2402	-3.91	21	Pass
NVNT	2-DH1	2441	-3.55	21	Pass
NVNT	2-DH1	2480	-3.58	21	Pass
NVNT	3-DH1	2402	-3.27	21	Pass
NVNT	3-DH1	2441	-2.95	21	Pass
NVNT	3-DH1	2480	-3.04	21	Pass



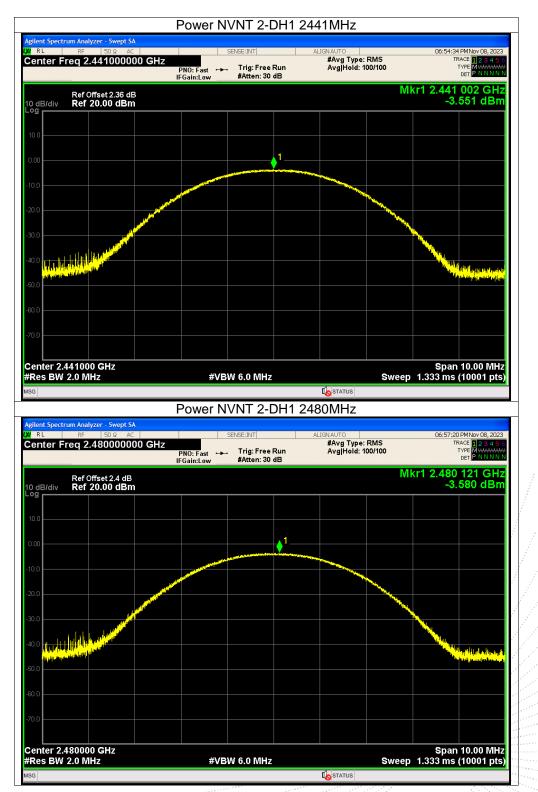






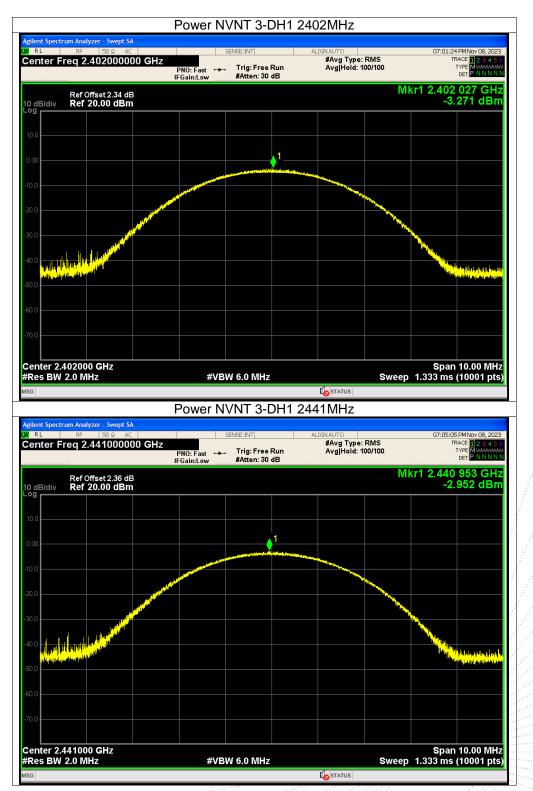
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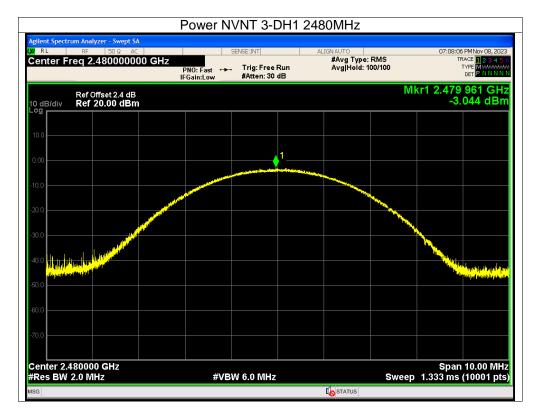
















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12. Hopping Channel Separation

12.1 Block Diagram Of Test Setup



12.2 Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 0.125W.

12.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

2. Set the spectrum analyzer: RBW = 30kHz. VBW = 100kHz , Span = 2.0MHz. Sweep = auto; Detector Function = Peak. Trace = Max hold.

3. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section Submit this plot.

odulation	Test Channel	Separation (MHz)	Limit(MHz)	Result
GFSK	Low .	0.998	0.562	PASS
GFSK	Middle	1.000	0.587	PASS
GFSK	High	1.000	0.585	PASS
π/4 DQPSK	Low	1.000	0.835	PASS
π/4 DQPSK	Middle	1.002	0.828	PASS
π/4 DQPSK	High	1.000	0.835	PASS
8DPSK	Low	1.000	0.812	PASS
8DPSK	Middle	1.000	0.813	PASS
8DPSK	High	0.998	0.811	PASS

12.4 Test Result

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i <mark>lent Spectrum Analyzer - S</mark> RL RF 50	Swept SA	FS NVNT 1 SENSE:INT		ALIGN AUTO	07	:11:15 PM Nov 08, 2023
enter Freq 2.402	500000 GHz	Mide Trig:	Free Run n: 30 dB	#Avg Type: R Avg Hold:>10	MS	TRACE 1 2 3 4 5 (TYPE MWWWW DET P N N N N
Ref Offset 2	2.34 dB				Mkr1 2.4	01 836 GHz -6.608 dBm
.00				2 ²		
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D.0						
J.O						
1.0 1.0						
enter 2.402500 GH Res BW 30 kHz	Z	#VBW 100	kH7		Sween 2 133	pan 2.000 MHz ms (1001 pts)
KR MODE TRC SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VAL	
1 N 1 f 2 N 1 f 3	2.401 836 GHz 2.402 834 GHz	-6.608 dBm -6.636 dBm				
4						
6 7 8						
9						
			Ш	2		>
3	<u> </u>			STATUS		
			1_1)H1 '			
ilent Spectrum Analyzer - S	Swept SA			2441MHz		
ilent Spectrum Analyzer - S RL RF 50 enter Freq 2.441	5wept SA Ω AC 500000 GHz PNO:	SENSE:INT		2441MHz Alignauto #Avg Type: R Avg Hold:>10	MS	11:49 PMNov 08, 2023 TRACE 1 2 3 4 5 TYPE MWWWW DET P N N N N
RL RF 50 enter Freq 2.4415 Ref Offset 2	Swept SA Q AC 500000 GHz PNO: IFGai 2.36 dB	SENSE:INT	Free Run	ALIGNAUTO #Avg Type: R	MS 0/100 Mkr1 2.4	
RL RF 50 enter Freq 2.4415	wept SA Ω AC PNO: 5000000 GHz PNO: IFGai 2.36 dB 0 dBm	SENSE:INT	Free Run	ALIGNAUTO #Avg Type: R Avg Hold>10	MS 0/100 Mkr1 2.4	
RL     RF     50       enter Freq 2.4415     Ref Offset 2       Ref Offset 2     Ref 20.00       0     Ref 20.00       0     0	Swept SA Q AC 500000 GHz PNO: IFGai 2.36 dB	SENSE:INT	Free Run	ALIGNAUTO #Avg Type: R	MS 0/100 Mkr1 2.4	11:49 PMNov 08, 2023 TRACE 12 2 3 4 5 TYPE MUMWW DET P NNNN 40 834 GHz -6.295 dBm
RL RF 50 enter Freq 2.4415 Ref Offset 2 dB/div Ref 20.00	wept SA Ω AC PNO: 5000000 GHz PNO: IFGai 2.36 dB 0 dBm	SENSE:INT	Free Run	ALIGNAUTO #Avg Type: R Avg Hold>10	MS 0/100 Mkr1 2.4	
RL RF 50 enter Freq 2.4415 dB/div Ref 20.00	wept SA Ω AC PNO: 5000000 GHz PNO: IFGai 2.36 dB 0 dBm	SENSE:INT	Free Run	ALIGNAUTO #Avg Type: R Avg Hold>10	MS 0/100 Mkr1 2.4	
RL RF 50 enter Freq 2.4415 Ref Offset 2 dB/div Ref 20.00	wept SA Ω AC PNO: 5000000 GHz PNO: IFGai 2.36 dB 0 dBm	SENSE:INT	Free Run	ALIGNAUTO #Avg Type: R Avg Hold>10	MS 0/100 Mkr1 2.4	
RL     RF     50       enter Freq 2.4415     Ref Offset     8       dB/div     Ref 20.00     9       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	wept SA Ω AC PNO: 5000000 GHz PNO: IFGai 2.36 dB 0 dBm	SENSE:INT	Free Run	ALIGNAUTO #Avg Type: R Avg Hold>10	MS 0/100 Mkr1 2.4	
RL     RF     50       enter Freq 2.4415     Ref Offset 3     dB/div     Ref 20.00       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	wept SA Ω AC PNO: FGai 2.36 dB 0 dBm	SENSE:INT	Free Run	ALIGNAUTO #Avg Type: R Avg Hold>10	MS 0/100 Mkr1 2.4	1742CE 12.3 4 5 1 TYPE MANNUM DET P.N.N.N.N 40 834 GHz -6.295 dBm
RL     RF     50       enter Freq 2.4415     Ref Offset     8       dB/div     Ref 20.00     9       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	wept SA Ω AC PNO: FGai 2.36 dB 0 dBm	SENSE:INT	Free Run n: 30 dB	ALIGNAUTO #Avg Type: R Avg Hold>10	MS 0/100 Mkr1 2.4	
RL     RF     50       enter Freq 2.4415     Ref Offset:     Set of Set	xwept SA 12 AC PNO: 500000 GHz PNO: IFGal 2.36 dB 0 dBm 1 1 1 2.36 dB 0 dBm 1 2.36 dB 0 dBm 1 2.36 dB 0 dBm 1 2.36 dB 0 dBm 1 1 2.36 dB 0 dBm	SENSE:INT Wide Trig: n:Low #Atte	Free Run n: 30 dB	ALIGNAUTO #Avg Type: R Avg Hold>10	MS 0/100 Mkr1 2.4	40 834 GHz -6.295 dBm
RL     RF     50       enter Freq 2.4415     Ref Offset:     3       dB/div     Ref 20.00     3       00	Swept SA Q AC PRO- FGai 2,36 dB 0 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	SENSE:INT Wide m:Low Trig: #VBW 100	Free Run n: 30 dB	ALIGNAUTO #Avg Type: R Avg Hold>10	Mkr1 2.4	40 834 GHz -6.295 dBm
RL     RF     50       enter Freq 2.4415     Ref Offset:     Ref Offset:       dB/div     Ref 20.00     Ref 20.00       00	xwept SA 12 AC PNO: 500000 GHz PNO: IFGal 2.36 dB 0 dBm 1 1 1 2.36 dB 0 dBm 1 2.36 dB 0 dBm 1 2.36 dB 0 dBm 1 2.36 dB 0 dBm 1 1 2.36 dB 0 dBm	SENSE:INT Wide Trig: n:Low #Atte	Free Run n: 30 dB	ALIGNAUTO #Avg Type: R Avg Hold>10	Mkr1 2.4	40 834 GHz -6.295 dBm
RL     RF     50       enter Freq 2.4415     Ref Offset:     Ref Offset:       dB/div     Ref 20.00     Ref 20.00       00     Ref 20.00     Ref 20.00	xwept SA 12 AC PNO: 500000 GHz PNO: IFGal 2.36 dB 0 dBm 1 1 1 2.36 dB 0 dBm 1 2.36 dB 0 dBm 1 2.36 dB 0 dBm 1 2.36 dB 0 dBm 1 1 2.36 dB 0 dBm	SENSE:INT Wide Trig: n:Low #Atte	Free Run n: 30 dB	ALIGNAUTO #Avg Type: R Avg Hold>10	Mkr1 2.4	40 834 GHz -6.295 dBm



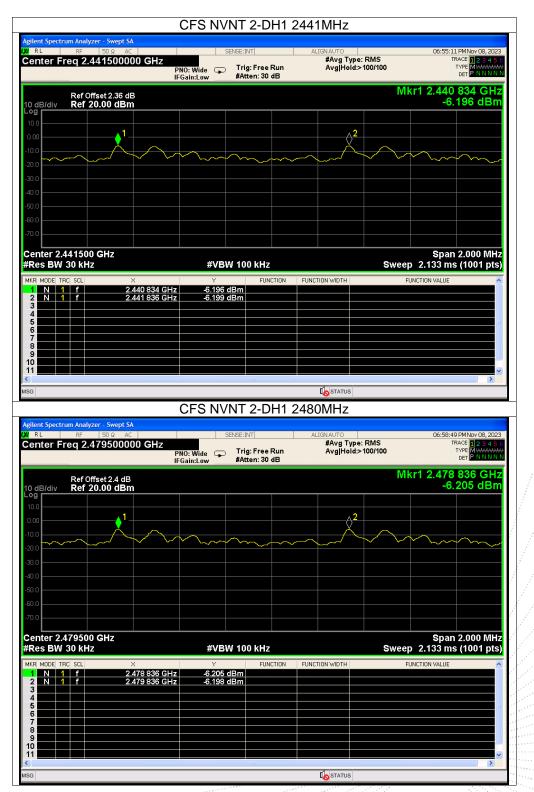




ent Spectrum Analyzer - RL RF 5 nter Freq 2.479	500000 GHz	PNO: Wide	NSE:INT	ALIGNAUTO #Avg Type:   Avg Hold:>1		07:12:34 PMNov 08, 202 TRACE 1 2 3 4 5 TYPE MWWW DET P N N N N
		IFGain:Low	#Atten: 30 dB			
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nter 2.479500 GI	Hz					Span 2.000 MH
es BW 30 kHz	×		100 kHz	FUNCTION WIDTH		133 ms (1001 pts
N 1 F	× 2.478 834 GH 2.479 834 GH		FUNCTION Bm	FUNCTION WIDTH	FUNCTIO	N VALUE
<u>N 1 f</u>	2.479 834 GH	-0.202 QE				
						>
ant Sportrum Apaluzae	Swent SA	CFS NVN	NT 2-DH1			8
ent Spectrum Analyzer - RL RF 5	OΩ AC		NT 2-DH1 1	2402MHz	RMS	06:53:03 PMNov 08, 202
RL RF 5	ο Ω AC 2500000 GHz			2402MHz	RMS 00/100	06:53:03 PMNoy 08, 202 TRACE 12 2 4 5
RL RF 5 nter Freq 2.402 Ref Offset	2500000 GHz	PNO: Wide	NSE:INT		00/100	06:53:03 PMNov 08, 202 TRACE 1 2 3 4 5 TYPE MWWW DET PNNNN 2.401 834 GH
ent Spectrum Analyzer - RL RF 5 nter Freq 2.402 Ref Offset dB/div Ref 20.0	2500000 GHz	PNO: Wide	NSE:INT		00/100	06:53:03 PMNov 08, 202 TRACE 12345 TYPE MWWW DET PNNNN 2.401 834 GH
ent Spectrum Analyzer - RL RF 5 nter Freq 2.402 Ref Offset dB/div Ref 20.0	2500000 GHz	PNO: Wide	NSE:INT	2402MHz ALIGN AUTO #Avg Type: Avg Hold>1	00/100	06:53:03 PMNov 08, 202 TRACE 12345 TYPE MWWW DET PNNNN 2.401 834 GH
ent Spectrum Analyzer - RL RF 5 nter Freq 2.402 Ref Offset dB/div Ref 20.0	2500000 GHz	PNO: Wide	NSE:INT		00/100	06:53:03 PMNov 08, 202 TRACE 12345 TYPE MWWW DET PNNNN 2.401 834 GH
ent Spectrum Analyzer - RL RF 5 nter Freq 2.402 Ref Offset dB/div Ref 20.0	2500000 GHz	PNO: Wide	NSE:INT	2402MHz ALIGN AUTO #Avg Type: Avg Hold>1	00/100	06:53:03 PMNov 08, 202 TRACE 12345 TYPE MWWW DET PNNNN 2.401 834 GH
ent Spectrum Analyzer - S RL RF 5 nter Freq 2.402 Ref Offset dB/div Ref 20.0	2500000 GHz	PNO: Wide	NSE:INT	2402MHz ALIGN AUTO #Avg Type: Avg Hold>1	00/100	06:53:03 PMNov 08, 202 TRACE 12345 TYPE MWWW DET PNNNN 2.401 834 GH
ent Spectrum Analyzer - S RL RF 5 nter Freq 2.402 BB/div Ref 20.0	2500000 GHz	PNO: Wide	NSE:INT	2402MHz ALIGN AUTO #Avg Type: Avg Hold>1	00/100	06:53:03 PMNov 08, 202 TRACE 12345 TYPE MWWW DET PNNNN 2.401 834 GH
ent Spectrum Analyzer - RL RF 5 nter Freq 2.402 Ref Offset dB/div Ref 20.0	2500000 GHz	PNO: Wide	NSE:INT	2402MHz ALIGN AUTO #Avg Type: Avg Hold>1	00/100	06:53:03 PMNov 08, 202 TRACE 12345 TYPE MWWW DET PNNNN 2.401 834 GH
RL RF Star	2500000 GHz	PNO: Wide	NSE:INT	2402MHz ALIGN AUTO #Avg Type: Avg Hold>1	00/100	06:53:03 PMNov 08, 202 TRACE 12345 TYPE MWWW DET PNNNN 2.401 834 GH
ent Spectrum Analyzer - RL RF 5 nter Freq 2.402 Ref Offset dB/div Ref 20.0 0 0 0 0 0 0 0 0 0 0 0 0 0	012 AC 1500000 GHz 12.34 dB 10 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	PNO: Wide IFGain:Low	NSE:INT Trig: Free Run #Atten: 30 dB	2402MHz ALIGN AUTO #Avg Type: Avg Hold>1	Mkr1 :	06:53:03 PMMov 08, 202 TRACE 12:23 45 TYPE MAANNA 2.401 834 GH -6.528 dBr
RL Ref Offset BJ/div Ref 20.0	012 AC 1500000 GHz 12.34 dB 10 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	PNO: Wide IFGain:Low	NSE:INT Trig: Free Run #Atten: 30 dB	2402MHz	Mkr1 :	06:53:03 PMNov 06, 202 TRACE 2 3 4 3 TYPE 2.401 834 GH -6.528 dBr
REFORMER	012 AC 1500000 GHz 12.34 dB 10 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	PNO: Wide IFGain:Low #VBW	VSE:INT	2402MHz ALIGN AUTO #Avg Type: Avg Hold>1	Mkr1 :	06:53:03 PMNov 06, 202 TRACE 2 3 4 3 TYPE 2.401 834 GH -6.528 dBr
ent Spectrum Analyzer - RL RF S nter Freq 2.402 Ref Offset dB/div Ref 20.0 9 9 9 9 9 9 9 9 9 9 9 9 9	0.02 AC 5000000 GHz 12.34 dB 10 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	PNO: Wide IFGain:Low #VBW	VSE:INT	2402MHz	Mkr1 :	06:53:03 PMNov 06, 202 TRACE 2 3 4 3 TYPE 2.401 834 GH -6.528 dBr
ent Spectrum Analyzer - RL RF 5 nter Freq 2.402 Ref Offset dB/div Ref 20.0 0 0 0 0 0 0 0 0 0 0 0 0 0	012 AC 1500000 GHz 12.34 dB 10 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	PNO: Wide IFGain:Low #VBW	VSE:INT	2402MHz	Mkr1 :	06:53:03 PMNov 06, 202 TRACE 2 3 4 3 TYPE 2.401 834 GH -6.528 dBr
Ref Offset B/div Ref 20.0 B/div Ref 20.0 Comparison Ref Offset Ref 20.0 Comparison Ref 20.0 Ref 20.0	012 AC 1500000 GHz 12.34 dB 10 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	PNO: Wide IFGain:Low #VBW	VSE:INT	2402MHz	Mkr1 :	06:53:03 PMNov 06, 202 TRACE 2 3 4 3 TYPE 2.401 834 GH -6.528 dBr

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nter Freq 2.402500000 GHz	PNO: Wide C Trig: Free Ru	ALIGN AUTO #Avg Type: RMS n Avg Hold:>100/100	07:04:48 PMNov 08, 20 TRACE 1234 TYPE MWWW DET P N N N
	IFGain:Low #Atten: 30 dE		
Ref Offset 2.34 dB IB/div Ref 20.00 dBm			Mkr1 2.401 834 GH -6.686 dBr
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)			
)			
nter 2.402500 GHz			Span 2.000 MH
es BW 30 kHz	#VBW 100 kHz	Sw	reep 2.133 ms (1001 pt
MODE TRC SCL X N 1 f 2.401 834 G	Y FUNCTI	DN FUNCTION WIDTH	FUNCTION VALUE
N 1 f 2.402 834 G			
			>
		STATUS	
	CFS NVNT 3-DH		
nt Spectrum Analyzer - Swept SA		1 2441MHz	
nt Spectrum Analyzer - Swept SA L RF SOQ AC hter Freq 2.441500000 GHz	SENSE:INT	1 2441MHz ALIGNAUTO #Avg Type: RMS	07:06:48 PMNov 08. 20
L RF 50 Ω AC		1 2441MHz ALIGNAUTO #Avg Type: RMS AvgHold>100/100	07:06:48 PMNov 08. 20
tL BF 50 Ω AC hter Freq 2.441500000 GHz Ref Offset 2.36 dB	PNO: Wide C Trig: Free Ru	1 2441MHz ALIGNAUTO #Avg Type: RMS AvgHold>100/100	07:06:48 PMNov 08, 20 TRACE 12 3 4 4 TYPE MAXAW DET P NNNN Mkr1 2.440 834 GH
ter Freq 2.441500000 GHz	PNO: Wide C Trig: Free Ru	1 2441MHz ALIGNAUTO #Avg Type: RMS AvgHold>100/100	
Ref Offset 2.36 dB Ref 20.00 dBm	PNO: Wide C Trig: Free Ru	ALIGN AUTO #Avg Type: RMS Avg Hold:>100/100	07:06:48 PMNov 08, 20 TRACE 12 3 4 4 TYPE MAXAW DET P NNNN Mkr1 2.440 834 GH
Ref Offset 2.36 dB Ref 20.00 dBm	PNO: Wide C Trig: Free Ru	1 2441MHz ALIGNAUTO #Avg Type: RMS AvgHold>100/100	07:06:48 PMNov 08, 20 TRACE 12 3 4 4 TYPE MAXAW DET P NNNN Mkr1 2.440 834 GH
Ref Offset 2.36 dB Ref 20.00 dBm	PNO: Wide C Trig: Free Ru	ALIGN AUTO #Avg Type: RMS Avg Hold:>100/100	07:06:48 PMNov 08, 20 TRACE 12 3 4 4 TYPE MAXAW DET P NNNN Mkr1 2.440 834 GH
Ref Offset 2.36 dB Ref 20.00 dBm	PNO: Wide C Trig: Free Ru	ALIGN AUTO #Avg Type: RMS Avg Hold:>100/100	07:06:48 PMNov 08, 20 TRACE 12 3 4 4 TYPE MAXAW DET P NNNN Mkr1 2.440 834 GH
Ref Offset 2.36 dB Ref 20.00 dBm	PNO: Wide C Trig: Free Ru	ALIGN AUTO #Avg Type: RMS Avg Hold:>100/100	07:06:48 PMNov 08, 20 TRACE 12 3 4 4 TYPE MAXAW DET PMNN Mkr1 2.440 834 GH
Ref Offset 2.36 dB Ref 20.00 dBm	PNO: Wide C Trig: Free Ru	ALIGN AUTO #Avg Type: RMS Avg Hold:>100/100	07:06:48 PMNov 08, 20 TRACE 12 3 4 4 TYPE MAXAW DET PMNN Mkr1 2.440 834 GH
Ref Offset 2.36 dB Ref 20.00 dBm	PNO: Wide C Trig: Free Ru	ALIGN AUTO #Avg Type: RMS Avg Hold:>100/100	07:06:48 PMNov 08, 20 TRACE 12 3 4 4 TYPE MAXAW DET PMNN Mkr1 2.440 834 GH
Ref Offset 2.36 dB Ref 20.00 dBm	PNO: Wide C Trig: Free Ru	ALIGN AUTO #Avg Type: RMS Avg Hold:>100/100	07:06:48 PMNov 08, 20 TRACE 12 3 4 4 TYPE MAXAW DET PMNN Mkr1 2.440 834 GH
Ref Offset 2.36 dB IB/div Ref 20.00 dBm	PNO: Wide C Trig: Free Ru	ALIGN AUTO #Avg Type: RMS Avg Hold:>100/100	07:06:48 PMNov 0B, 20 TRACE 1 2 3 4 4 TYPE MAXAWA DET P NNNN Mkr1 2.440 834 GH -6.302 dBt
Ref Offset 2.36 dB Ref 20.00 dBm	PNO: Wide C Trig: Free Ru	1 2441MHz	07:06:48 PMNov 08, 20 TRACE 12 3 4 4 TYPE MAXAW DET PMNN Mkr1 2.440 834 GH
Ref Offset 2.36 dB Ref Offset 2.36 dB Ref Offset 2.36 dB ref 20.00 dBm	PNO: Wide IFGain:Low Trig: Free Ru #Atten: 30 dE	1 2441MHz	07:06:48 PMNov 08, 20 TRACE] 2 3 4 TYPE MWWWW OUT P NNNN Mkr1 2.440 834 GH -6.302 dBi
Ref Offset 2.36 dB Ref Offset 2.36 dB IB/div Ref 20.00 dBm	PNO: Wide IFGain:Low Trig: Free Ru #Atten: 30 dE #VBW 100 kHz FUNCTI Hz -6,302 dBm	1 2441MHz	07:06:48 PMNov 08, 20 TRACE 1 2 3 4 4 TYPE 1 2 3 4 TYPE
Ref Offset 2.36 dB Ref Offset 2.36 dB Ref 20.00 dBm 10 10 10 10 10 10 10 10 10 10	PNO: Wide IFGain:Low Wide #VBW 100 kHz Y FUNCTI Hz -6.302 dBm	1 2441MHz	07:06:48 PMNov 08, 20 TRACE 1 2 3 4 4 TYPE 1 2 3 4 TYPE
Ref Offset 2.36 dB Ref Offset 2.36 dB Ref 20.00 dBm 10 10 10 10 10 10 10 10 10 10	PNO: Wide IFGain:Low Wide #VBW 100 kHz Y FUNCTI Hz -6.302 dBm	1 2441MHz	07:06:48 PMNov 08, 20 TRACE 1 2 3 4 4 TYPE 1 2 3 4 TYPE
Ref Offset 2.36 dB Ref Offset 2.36 dB Ref 20.00 dBm 10 10 10 10 10 10 10 10 10 10	PNO: Wide IFGain:Low Wide #VBW 100 kHz Y FUNCTI Hz -6.302 dBm	1 2441MHz	07:06:48 PMNov 08, 20 TRACE 1 2 3 4 4 TYPE 1 2 3 4 TYPE

No.: BCTC/RF-EMC-005



	CFS NVNT 3	-DH1 2480MHz		
Agilent Spectrum Analyzer - Swept SA				
₩ RL RF 50Ω AC Center Freq 2.479500000 GHz	PNO: Wide 😱 Trig: F		ype: RMS Id:>100/100	07:09:00 PMNov 08, 2023 TRACE 12345 6 TYPE MWWWWW DET PNNNNN
Ref Offset 2.4 dB 10 dB/div Ref 20.00 dBm			Mkr1 2.	478 836 GHz -6.390 dBm
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-10.0	mar and a second	~~~~		\sim
-30.0				
-40.0				
-50.0				
-60.0				
-70.0				
Center 2.479500 GHz #Res BW 30 kHz	#VBW 100 I	٢Hz	Sweep 2.13	Span 2.000 MH: 3 ms (1001 pts
MKR MODE TRC SCL X	Y	FUNCTION FUNCTION WIDTH	FUNCTION	ALUE
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4				
6				
8				
10				
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ISG			3	







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

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RL RF enter Freg 2.4	er - Swept SA 50 Ω AC 41750000 GHz	SENSE:IN		ALIGNAUTO #Avg Type: F	MS	35 PM Nov 08, 2023
			: Free Run en: 30 dB	Avg Hold:>10		DET PNNNNN
Ref Off OdB/div Ref 20	set 2.36 dB 0.00 dBm				Mkr1 2.401	837 0 GHz 5.467 dBm
0.0						
						nannañ
	****	<u> </u>	<u> </u>	<u>ttt tt tt</u>	╎╅╅╈╅╽┷┪┿┇┝╬┇┇╢┆	400044
0.0						
60.0 Y						augt-ri
						0 40050 011-
tart 2.40000 GH Res BW 100 kH		#VBW 300) kHz		Stop Sweep 8.000 r	2.48350 GHz ns (1001 pts)
KR MODE TRC SCL 1 N 1 f 2 N 1 f	× 2.401 837 0 GHz 2.479 993 0 GHz	-5.467 dBm -4.915 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALU	E 🔦
3 4 5	2.410 000 0 0112	4.5 10 4211				
6						
8 9 0						
1				STATUS		>
	Hop	ping No. NV	NT 2-DH		<u>.</u>	
ilent Spectrum Analyz R L RF	er - Swept SA 50 Ω AC	SENSE:IN	T	ALIGN AUTO	07:2:	1:25 PM Nov 08, 2023
enter Freq 2.4	41750000 GHz		: Free Run en: 30 dB	#Avg Type: R Avg Hold:>10	MS 0/100	TRACE 123456 TYPE MWWWWW DET PNNNNN
Ref Off	set 2.36 dB				Mkr1 2.401 -1	586 5 GHz
OdB/div Ref 20	0.00 dBm				-1	1.400 dBm
0.00	ՆՀԱՆԱՆԱՆԱՆԱՆԱՆԱՆԱՆԱՆԱՆԱՆԱՆԱՆԱՆԱՆԱՆԱՆԱՆԱ	<u>እ</u> ዋል እስ የአስ እስ እ በ	ለ እስራ ለ እስ ለ ለ ለ	ላለለስስሌ በሌ እስለ	ሰ ለበዚዳቤለ∎አሣበጦበበ	
IOTO 는 <mark>소</mark> 건값서 신신지 쉽게	*****	<u>, 4000 100 000 000 000</u>	<u>~~~~~~~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u>, , , , , , , , , , , , , , , , , , , </u>		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
0.0						
20.0 30.0 40.0						
000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		#\/BW 300) kHz			2.48350 GHz
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	z	#VBW 300		FUNCTION WIDTH	Stop Sweep 8.000 r	ns (1001 pts)
000 000 000 000 000 000 000 000	Z	Y		FUNCTION WIDTH	Sweep 8.000 r	ns (1001 pts)
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	z	Y		FUNCTION WIDTH	Sweep 8.000 r	ns (1001 pts)



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Нор	ping No. N	/NT 3-Dł	H1 2441M	Hz	
		yıt g: Free Run ten: 30 dB	ALIGNAUTO #Avg Typ Avg Hold	 e: RMS :>100/100	07:26:52 PM Nov 08, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N
Ref Offset 2.36 dB 10 dB/div Ref 20.00 dBm 10 dB/div Ref 20.00 dBm 10 dB/div 1 10 dB/div 1		nana panja			2.401 837 0 GHz -4.949 dBm 2 MMMM/MMM
Start 2.40000 GHz #Res BW 100 kHz	#VBW 300	0 kHz		Sweep	Stop 2.48350 GHz 8.000 ms (1001 pts)
MKR MODE TRC SCL × 1 N 1 f 2.401 837 0 GHz 2 N 1 f 2.480 160 0 GHz 3 4 5 6 6 7 7 8 9 9 10		FUNCTION	FUNCTION WIDTH	FUI	NCTION VALUE
MSG					

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14. Dwell Time

14.1 Block Diagram Of Test Setup



14.2 Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

14.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

2. Set spectrum analyzer span = 0. Centred on a hopping channel;

3. Set RBW = 1MHz and VBW = 3MHz.Sweep = as necessary to capture the entire dwell time per hopping channel. Set the EUT for DH5, DH3 and DH1 packet transmitting.

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

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.

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Modulation	Channel Data	Packet	pulse time(ms)	Dwell Time(s)	Limits(s)
		1DH1	0.376	0.120	0.4
GFSK	Middle	1DH3	1.632	0.261	0.4
		1DH5	2.880	0.307	0.4
		2DH1	0.385	0.123	0.4
π/ 4 DQPSK	Middle	2DH3	1.637	0.262	0.4
		2DH5	2.885	0.308	0.4
		3DH1	0.387	0.124	0.4
8DPSK	Middle	3DH3	1.636	0.262	0.4
		3DH5	2.887	0.308	0.4

		NVNT 1-	Test Gr DH1 24		One	Burst		
ilent Spectrum Analyzer - Swept S/ RL RF 50 Ω AC enter Freq 2.44100000	00 GHz	PNO: Fast	SENSE:INT Trig Delay Trig: Video #Atten: 30	-500.0 µs	LIGN AUTO #Avg Type	e: RMS		15 PM Nov 08, 202 IRACE 1 2 3 4 5 TYPE WWWWWW DET P N N N N
Ref Offset 2.36 dl dB/div Ref 20.00 dBn							∆Mkr1	-4.16 dΕ
0.0								
								TRIG LV
0.0								
	ne program politice dorati Productor politice doration Productor politice doration					paneta junda mana da balan Ang dina _{di} na mana da balan Ang dina gang mana da balan		
		yddilla Mipe yw efynd y gan		<mark>ni muni di dinana</mark>		and disp _{in} t probability		Span 0 H:
0.0 μ	× 376.0 µs	μ #VBι (Δ) -4.1	W 3.0 MHz	kalanda (t. 14 <mark>. galiya)</mark> S		Sweep		Span 0 H:
0.0 σ	×	<mark>,₩₩₽,₩₩₩₩</mark> #VB\ ¥VB\	W 3.0 MHz	kalanda (t. 14 <mark>. galiya)</mark> S		Sweep	10.00 ms	Span 0 H: (10001 pts
00 0.0	× 376.0 µs	μ #VBι (Δ) -4.1	W 3.0 MHz	kalanda (t. 14 <mark>. galiya)</mark> S		Sweep	10.00 ms	Span 0 H: (10001 pts
0 <td>× 376.0 µs</td> <td>μ #VBι (Δ) -4.1</td> <td>W 3.0 MHz</td> <td>kalanda (t. 14<mark>. galiya)</mark> S</td> <td></td> <td>Sweep</td> <td>10.00 ms</td> <td>Span 0 H: (10001 pts</td>	× 376.0 µs	μ #VBι (Δ) -4.1	W 3.0 MHz	kalanda (t. 14 <mark>. galiya)</mark> S		Sweep	10.00 ms	Span 0 H: (10001 pts



	Dwell NVNT 1-	DH3 2441MHz	One Burst	
Agilent Spectrum Analyzer - Swept SA M RL RF 50 Ω AC Center Freq 2.44100000		NSE:INT / / / Trig Delay-500.0 µs Trig: Video #Atten: 30 dB	ALIGNAUTO #Avg Type: RMS	07:29:31 PM Nov 08, 2023 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P N N N N
Ref Offset 2.36 dB 10 dB/div Ref 20.00 dBm Log				ΔMkr1 1.632 ms -4.57 dB
0.00 -10.0 X2	1Δ2			TRIG LVL
-30.0 -40.0 -50.0 <mark>he 1,10 -60.0 414 he 144 -70.0</mark>		lastinasi fal yana yana yana kuloni Uta badhayayay kuji siya	ative time of all and a stand of the stand of a stand of A pick has given at all a has a stand of a stand	n je kan angelen in kan kan kan kan kan kan kan kan kan ka
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW	/ 3.0 MHz	Swee	Span 0 Hz p 10.00 ms (10001 pts)
MKR MODE TRC SCL × 1 Δ2 1 t (Δ) 2 2 F 1 t 3 4 5 5 5 6 6 4	Υ 1.632 ms (Δ) -4.57 498.0 μs -8.04 d	dB	CTION WIDTH	FUNCTION VALUE
7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			The STATUS	~

	Dweilinvi		70 Z44	41IVIHZ	One E	Burst		
Agilent Spectrum Analyzer - Swept S								
α RL RF 50Ω A Center Freq 2.4410000	000 GHz	ast 🛶 T	EINT rig Delay-5 rig: Video Atten: 30 di	i00.0 µs	IGN AUTO #Avg Type:	RMS	т	5 PMNov 08, 202 RACE 1 2 3 4 5 TYPE WWWWWW DET PNNNN
Ref Offset 2.36 c 0 dB/div Ref 20.00 dB							ΔMkr1	2.880 m 0.58 dI
- og 10.0								
0.00		142						
10.0 X2								TRIG LV
20.0								1100 24
30.0								
40.0								
50.0 <mark>meritaria</mark>		dia pinana dia p	n an	and) <mark>haven helter</mark>	a folia da fela da	teristen statistics and		alia da bitatizativa
60.0 <mark>udi lihur</mark>		<mark>h Manghi Ka</mark> naha,	<mark>ilidus de po</mark>	<mark>di ka du kal</mark> iji kal	أليافين زيار لمعالكين أ	<mark>da a piete parte herar d'an de</mark>	a dat si tin di si di ti di si	وتتريحه وفارق فارتك
						and the second sec	a second second	1 1
					1	1 Million		
70.0		#VBW 3	.0 MHz				10.00 ms	Span 0 H
ro 0 senter 2.441000000 GHz tes BW 1.0 MHz	z x	Y	FUNCT		ION WIDTH	Sweep		Span 0 H
70 0 center 2.441000000 GHz tes BW 1.0 MHz KR MODE TRC SCL 1 Δ2 1 t (Δ) 2 F 1 t	Z		FUNCT			Sweep	10.00 ms	Span 0 H
Center 2.441000000 GHz Ees BW 1.0 MHz $\frac{1}{\Delta 2}$ 1 t (Δ)	z 2.880 ms (Δ)	۲ 0.58 df	FUNCT			Sweep	10.00 ms	Span 0 H
70.0 Center 2.441000000 GHz tes BW 1.0 MHz 4KR MODE TRC SCL 1 Δ2 1 t (Δ) 2 F 1 t 3 3 Δ 4	z 2.880 ms (Δ)	۲ 0.58 df	FUNCT			Sweep	10.00 ms	Span 0 H
200 1 Center 2.441000000 GHz Ges BW 1.0 MHz KR MODE TRC SCL 1 1 Δ2 1 t 2 F 1 t 3 4 5 6 7 4 7 4	z 2.880 ms (Δ)	۲ 0.58 df	FUNCT			Sweep	10.00 ms	Span 0 H
70.0 1 Center 2.4410000000 GHz Res BW 1.0 MHz KR MODE TRC SCL 1 4 2 7 1 4 4 5 5 6 7 8 9	z 2.880 ms (Δ)	۲ 0.58 df	FUNCT			Sweep	10.00 ms	Span 0 H
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	z 2.880 ms (Δ)	۲ 0.58 df	FUNCT			Sweep	10.00 ms	Span 0 H (10001 pts
200 1 Center 2.441000000 GHz Genter 2.441000000 GHz Res BW 1.0 MHz MODE TRC SCL 1 Δ2 1 t 1 Δ2 1 t (Δ) 2 F 1 t 5 6 - - 7 - 8 - - - - 9 - - - -	z 2.880 ms (Δ)	۲ 0.58 df	FUNCT			Sweep	10.00 ms	Span 0 H







Dwell	NVNT 2-DH1 244	IMHz One Burst	
	SENSE:INT Trig Delay-500 PNO: Fast Trig: Video Gain:Low #Atten: 30 dB	ALIGNAUTO .0 µs #Avg Type: RMS	07:21:31 PMNov 08, 2023 TRACE 1 2 3 4 5 6 TYPE WWWWW DET P N N N N
Ref Offset 2.36 dB			ΔMkr1 385.0 μs 4.25 dB
10.0 0.00 10.0 10.0			ING LVL
-20.0			
-50.0 Species - Species and sp	la je na nasla poslati kaj de la la la la kaj nasla na la plana je na la plana na la plana na la plana na la p Alego kaj na plana na la pl		al na na sa
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz		Span 0 Hz ep 10.00 ms (10001 pts)
MKR MODE TFL SCL × 1 Δ2 1 t (Δ) 385.0 µs 2 F 1 t 360.0 µs 3 1 360.0 µs 4 4 4	Y FUNCTION (Δ) 4.25 dB -19.43 dBm	FUNCTION WIDTH	FUNCTION VALUE
5 6 7 8 9			
		I STATUS	×

gilent Spectrum Analyzer	- Swept SA						
enter Freq 2.44		PNO: Fast +++ 1	E:INT Γrig Delay-500.0 μ Γrig: Video /Atten: 30 dB	ALIGN AUTO s #Avg Type	e: RMS	07:32:03 PMNo TRACE TYPE W DET P	234
dB/div Ref 20.	et 2.36 dB 00 dBm					ΔMkr1 1.63 4.4	7 m 10 d
og 10.0							
0.00	1Δ2						
							TRIGL
10.0			La trata de alta			leks stats (kild, at http://oriki.ik/	
0.0 <mark>0100</mark>	the providence of the second s	allaadad adda bilada baad almadad adda ar (ULad, Lla					lay, t. _P
enter 2.4410000	00 GHz	#\/B)A(2			Sween	Spa 10.00 ms (100	n 0 H
enter 2.44100000 es BW 1.0 MHz	00 GHz	#VBW 3	3.0 MHz	FUNCTION WIDTH		Spa 10.00 ms (100 JNCTION VALUE	n 0 H 01 pt
enter 2.44100000 es BW 1.0 MHz KR MODE TRC SCL 1 A2 1 t (A) 2 F 1 t 3 4		Υ s (Δ)	FUNCTION	FUNCTION WIDTH		10.00 ms (100	n 0 H 01 pt
enter 2.4410000 es BW 1.0 MHz KR MODE TRC SCL 1 Δ2 1 t (Δ) 2 F 1 t	× 1.637 m	Υ s (Δ) 4.40 d	FUNCTION	FUNCTION WIDTH		10.00 ms (100	n 0 H 01 pt





Dwell N	VNT 2-DH	5 2441M	IHz One	Burst		
	NO:Fast ⊶⊶ Tri	NT g Delay-500.0 μ g: Video ten: 30 dB	ALIGNAUTO s #Avg Ty	ype: RMS	TRA T	PMNov 08, 2023 ICE 123456 IPE WWWWWWWW DET PNNNNN
Ref Offset 2.36 dB 10 dB/div Ref 20.00 dBm 10 0 0.00 10.0 0.00 -10.0 20.0	ματ. 1Δ2				ΔMkr1 2	.885 ms -0.67 dB
-30.0 -40.0 -50.0 -60.0 -70.0 -70.0	<mark>e tradisco de la constante de la Constante de la constante de la c</mark>	le sidelle en solar ha solar Ledate de juger per an a pre	landa af data wa mila Malayin kaya shekifun	linte da la companya da sera a sera da la companya da la companya da sera a sera da sera da sera da sera da se A sera da la companya da sera d		
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0) MHz		Sweep	؛ ') 10.00 ms	Span 0 Hz 10001 pts)
MKR MODE TRC SCL X 1 Δ2 1 t (Δ) 2.885 ms 2 F 1 t (Δ) 2.885 ms 3 - 498.0 μs - - 4 - - - - 5 - - - - 6 - - - - 7 - - - - 9 - - - - 10 - - - -	Υ (Δ) -0.67 dB -6.27 dBm	FUNCTION	FUNCTION WIDTH	Fl	UNCTION VALUE	
MSG			I STATUS	5		

		Dwell N	VNT 3-		+4 I IVI∏⊿	z One			
gilent Spectrum And RL RF enter Freq 2) GHz		SENSE:INT	y-500.0 µs	ALIGN AUTO #Avg Ty	pe: RMS	TR	PM Nov 08, 20 ACE 1234
		Р	NO: Fast 🔸	. Trig: Vide #Atten: 30				T	VPE WAAAAAA DET PNNN
	f Offset 2.36 dB f 20.00 dBm							ΔMkr1	387.0 µ 1.54 d
	1 20.00 0.01								
0.00	1Δ2								
10.0 X2									TRIG L
20.0									
30.0									
10.0	- boot		- U-stand						
	lited all present of the later	and a to phillipping and a	a ann an talaithe ann ann an talaithe ann ann ann ann ann ann ann ann ann an	ر مواري (الماريك _و ياري و	and the state of the	hidigterentetetetetetete	and description to part of the last of the	alanda ti kati ng kanang kati ka	a state and the state of the st
50.0 <mark>.u. u. </mark>	i ki se ki kan se si si si si si si si Ngangangangangangangangangangangangangang	ndete påliske komme mjärjetetet og storatete		a cila basisi di Unita Sila Angana (Unita Sila Angana (Unita Sila		Malaten and Malat Lena <u>s. Marah</u> Pila	in de la la constant de la constant Al per la la constant de la constant Al per la constant de la constant d	alaala bhatha heana da bha r <mark>hitean ta heana da bhaana rhitean ta heana da bhaana da bhaana da bha</mark>	a in a shahala ba <mark>A a dala shahala ba</mark>
50.0 <mark>4 mil. 4 mil. 50.0 <mark>4 mil. 4 mil. 7 mi</mark></mark>		ndet gebliet de gebe name die set is gebeende		a alla batal bili dida A aya ^{ang ha} la bata bata	ender of helperiod Helperiod helperiod	Maligher of states of a first of the states	an la substance de la substance An la substance de la substance		10 a - 1 - 1 10
50.0 419919 50.0 44494 70.0 Senter 2.4410		nda politik do sola namjala od politika namjala od politika		w 3.0 MH2		Viela konstalaita <mark>Han kulturii (1) (</mark> 1			Span 0 F
50.0 491911 50.0 40414 4 70.0 center 2.4410 tes BW 1.0 M	1Hz	ndruptis shout nggjateri sjela ok	#VB Y	W 3.0 MH2	2	Kangana (king Kangalina) (king Kangalina) (king	Sweep		Span 0 F
50.0 40111 Senter 2.4410 Senter 2.4410 KR MODE TRC SCL 1 A2 1 t 2 F 1 t	1Hz	<mark>еницияния положительно 387.0 µs 498.0 µs</mark>	#VB Y	W 3.0 MH2	2	<mark>Lenni, Minnin (</mark> 1), I	Sweep	10.00 ms (Span 0 F
50.0 4/10/1 50.0 4/04/4 Senter 2.4410 KR MODE TRC SCL 1 A2 1 t 2 F 1 t 3 4	1Hz		#VB γ (Δ) 1.5	W 3.0 MH2	2	<mark>Lenni, Minnin (</mark> 1), I	Sweep	10.00 ms (Span 0 F
50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1Hz		#VB γ (Δ) 1.5	W 3.0 MH2	2	<mark>Lenni, Minnin (</mark> 1), I	Sweep	10.00 ms (Span 0 F
2 F 1 t 3 4 5 6 7 8	1Hz		#VB γ (Δ) 1.5	W 3.0 MH2	2	<mark>Lenni, Minnin (</mark> 1), I	Sweep	10.00 ms (Span 0 F
50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1Hz		#VB γ (Δ) 1.5	W 3.0 MH2	2	<mark>Lenni, Minnin (</mark> 1), I	Sweep	10.00 ms (Span 0 F
50.0 0	1Hz		#VB γ (Δ) 1.5	W 3.0 MH2	2	<mark>Lenni, Minnin (</mark> 1), I	Sweep	10.00 ms (Span 0 F





Dwell	NVNT 3-DH	3 2441M	Hz One	Burst		
	PNO:East 🛶 Tri	ΩT g Delay-500.0 μs g: Video tten: 30 dB	ALIGNAUTO #Avg T y	/pe: RMS	TRA T\	MNov 08, 2023 CE 1 2 3 4 5 6 PE WWWWWW PET <mark>P N N N N N N</mark>
Ref Offset 2.36 dB 10 dB/div Ref 20.00 dBm 10.0	ti mening aki ka ka sa sa sa 1 liko mga ji si ji ka ga ki		a film and a state of the state	sil da godan yapıl dirti anı ti Linda da sekin yapıl dirti anı ti		
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0	0 MHz		Sweep	ې 10.00 ms (1	Span 0 Hz 10001 pts)
MKR MODE TRC SCL X 1 Δ2 1 t (Δ) 1.636 ms 2 F 1 t 357.0 μs 3 4 5 5 6 6 7 7 8 9 10 10 10 10 10		FUNCTION	FUNCTION WIDTH	FL	UNCTION VALUE	
MSG						

	Dwell	NVNT 3-[DH5 244	TIMHZ	Une E	Burst		
gilent Spectrum Analyzer - Swep RL RF 50 Ω Center Freq 2.441000	AC DOOO GHz	PNO: Fast	ENSE:INT Trig Delay-50 Trig: Video #Atten: 30 dB	10.0 µs	IGNAUTO #Avg Type	: RMS		57 PMNov 08, 20 IRACE 1 2 3 4 TYPE WWWWW DET PNNN
Ref Offset 2.36 0 dB/div Ref 20.00 dl							ΔMkr1	2.887 m -0.08 d
og 10.0		<u>, 1</u> Δ2						
0.00 X2 ********								TRIGL
30.0								
			a nd atan kantakan tertekan kantakan kantakan Kantakan kantakan kanta	Alathan Ala	a data a fati se data data da da	ويطفئون وسيا المتعاور	ومامنداء والإلبال المروم	hini da ka ka mana ana ana ana ana ana ana ana ana a
50.0 <mark>() (이 () () () () () () () () () () () () () </mark>		lighter die Albert der Gepeilige der geber	ander an	el terten and div <mark>aparța (an paranț</mark>	n an	n alagad lawa pantahan Ing <mark>dipas</mark> kapat pantahan	and the state	hladist konstitu Na depter fad fi
500 0 00000000000000000000000000000000	Hz	<mark> }} </mark>	Adama (Maria) Adama (Maria) V 3.0 MHz	a di kati kina ang di kina Ngani pada tang di	alaesi (si perintenda) ni perintendan ni perintenda	ing the first of the second	10.00 ms	Span 0 H
40 0 50 0 2441 50 0	X	الايمين العربي (المربية المربية المربية #VBW	V 3.0 MHz	<mark>alonita (na kuja 1016)</mark>	IN (MP) (* P) In the second	Sweep		Span 0 H
0.0 0.0 <td></td> <td>ر بین اینی از این از این از این این این این این این این این این این</td> <td>V 3.0 MHz</td> <td><mark>alonita (na kuja 1016)</mark></td> <td><mark>uten)</mark>m^antendu</td> <td>Sweep</td> <td>10.00 ms</td> <td>Span 0 H</td>		ر بین اینی از این از این از این	V 3.0 MHz	<mark>alonita (na kuja 1016)</mark>	<mark>uten)</mark> m ^a ntendu	Sweep	10.00 ms	Span 0 H
0.0 0	× 2.887 ms	ر بین اینی از این از این از این	V 3.0 MHz	<mark>alonita (na kuja 1016)</mark>	<mark>uten)</mark> m ^a ntendu	Sweep	10.00 ms	Span 0 H
500 0	× 2.887 ms	ر بین اینی از این از این از این	V 3.0 MHz	<mark>alonita (na kuja 1016)</mark>	<mark>uten)</mark> m ^a ntendu	Sweep	10.00 ms	Span 0 H

C. CO., LTA



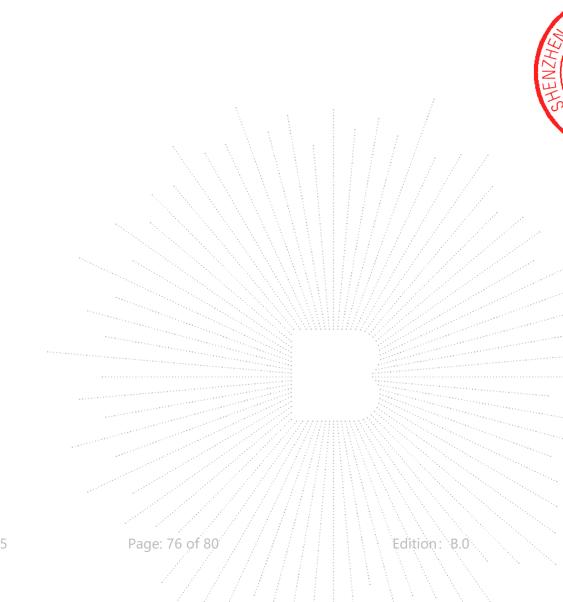
15. Antenna Requirement

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

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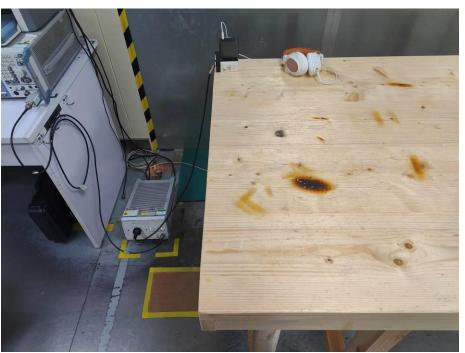
B

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17. EUT Test Setup Photographs

Conducted emissions







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Radiated Measurement Photos







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.

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