Edition: A.4



Agilent Spectrum Analyzer - Sv	vept SA	FS NVNT 1					
RL RF 50 Center Freq 2.402	Ω AC 500000 GHz	SENSE:INT	Free Run		pe: Log-Pwr ld:>100/100	TR	4 PM Jan 22, 2022 ACE 1 2 3 4 5 6
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70.0							
enter 2.402500 GH	7					Span	2.000 MHz
Res BW 30 kHz		#VBW 100	kHz			p 2.133 ms	(1001 pts)
1 N 1 f	× 2.401 906 GHz	Y -6.147 dBm	FUNCTION	FUNCTION WIDTH		FUNCTION VALUE	^
2 N 1 f	2.402 912 GHz	-6.524 dBm					
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7 8							
9							
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	0						
l Agilent Spectrum Analyzer - Sv		FS NVNT ´	1-DH1 :				
RL RF 50	wept SA Ω AC	FS NVNT ^		2441MHz Align Auto Avg Tyj	pe: Log-Pwr	TR	7 PM Jan 22, 2022
RL RF 50	vept SA Ω AC 500000 GHz PNO:	SENSE:INT		2441MHz Align Auto Avg Tyj	pe: Log-Pwr d:>100/100	TR	
RL RF 50 Renter Freq 2.4415 Ref Offset	wept SA Ω AC 5000000 GHz IFGai 1.96 dB	SENSE:INT	Free Run	2441MHz Align Auto Avg Tyj	ld:>100/100	TR 1 kr1 2.440	7 PM Jan 22, 2022 ACE 1 2 3 4 5 6 YPE MWWWW DET P N N N N N 908 GHZ
RL RF 50 Center Freq 2.4415 Ref Offset	wept SA Ω AC 5000000 GHz IFGai 1.96 dB	SENSE:INT	Free Run	2441MHz Align Auto Avg Tyj	ld:>100/100	TR 1 kr1 2.440	7 PM Jan 22, 2022 ACE 1 2 3 4 5 6 YPE M WWWW DET P N N N N
Ref Offset	wept SA Ω AC 5000000 GHz IFGai 1.96 dB	SENSE:INT	Free Run	2441MHz Align Auto Avg Tyj	ld:>100/100	TR 1 kr1 2.440	7 PM Jan 22, 2022 ACE 1 2 3 4 5 6 YPE MWWWW DET P N N N N N 908 GHZ
Ref Offset 0 dB/div Ref 2.000	xept SA Q AC PNO: 500000 GHz PNO: IFGai 1.86 dB 0 dBm	SENSE:INT	Free Run	2441MHz Align Auto Avg Tyj	ld:>100/100	TR 1 kr1 2.440	7 PM Jan 22, 2022 ACE 1 2 3 4 5 6 YPE MWWWW DET P N N N N N 908 GHZ
Ref Offset 0 dB/div Ref 20.00 000 000 000 000 000 000 000 000 00	xept SA Q AC PNO: 500000 GHz PNO: IFGai 1.86 dB 0 dBm	SENSE:INT	Free Run	2441MHz Align Auto Avg Tyj	ld:>100/100	TR 1 kr1 2.440	7 PM Jan 22, 2022 ACE 1 2 3 4 5 6 YPE MWWWW DET P N N N N N 908 GHZ
Ref Offset 0 dB/div Ref 2.4415 0 dB/div Ref 20.00 000 000 000 000 000	xept SA Q AC PNO: 500000 GHz PNO: IFGai 1.86 dB 0 dBm	SENSE:INT	Free Run	2441MHz Align Auto Avg Tyj	ld:>100/100	TR 1 kr1 2.440	7 PM Jan 22, 2022 ACE 1 2 3 4 5 6 YPE MWWWW DET P N N N N N 908 GHZ
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enter Freq 2.4415	xept SA Q AC 500000 GHz PNO: IFGai 1.86 dB 0 dBm	SENSE:INT	Free Run	2441MHz Align Auto Avg Tyj	ld:>100/100	TR 1 kr1 2.440	7 PM Jan 22, 2022 ACE 1 2 3 4 5 6 YPE MWWWW DET P N N N N N 908 GHZ
Ref Offset 0 dB/div Ref 2.4415 0 dB/div Ref 20.00 00 00 00 00 00 00 00 00 00 00 00 00	xept SA Q AC 500000 GHz PNO: IFGai 1.86 dB 0 dBm	SENSE:INT	Free Run	2441MHz Align Auto Avg Tyj	ld:>100/100	TR 1 kr1 2.440	7 PM Jan 22, 2022 ACE 1 2 3 4 5 6 YPE MWWWW DET P N N N N N 908 GHZ
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Ref Offset 0 dB/div Ref 20.00 0 dB/div Ref 2	x ac ac IFGai	SENSE:INT Wide Trig: #Atte	Free Run n: 30 dB	2441MHz Align Auto Avg Tyj	(d:>100/100	kr1 2.440 -5.	7 PM Jan 22, 2022 AVEE 12 3 4 5 6 VEE 12 3 5 6 VEE 12 5 6
RL RF 50 center Freq 2.4415 Ref Offset Second 0 dB/div Ref Offset Ref Offset 0 db/div Ref Offset Ref	xept SA 2 AC	Vide Trig: n:Low #Atte	Free Run n: 30 dB	2441MHz	(d:>100/100	kr1 2.440 -5.	7 PM Jan 22, 2022 AVEE 12 3 4 5 6 VEE 12 3 5 6 VEE 12 5 6
Rt so center Freq 2.4415 se center Freq 2.4415 se center Freq 2.4415 se center Ref Offset se center 2.441500 se center 3.441500 se	xept SA 2 AC	Vide Trig: n:Low Trig: #VBW 100	Free Run n: 30 dB	2441MHz	(d:>100/100	kr1 2.440 -5.	7 PM Jan 22, 2022 AVEE 12 3 4 5 6 VEE 12 3 5 6 VEE 12 5 6
Ref Offset 0 dB/div Ref 20.00 0 dB/div Ref 20.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0	xept SA 2 AC	Vide Trig: n:Low Trig: #VBW 100	Free Run n: 30 dB	2441MHz	(d:>100/100	kr1 2.440 -5.	7 PM Jan 22, 2022 AVEE 12 3 4 5 6 VEE 12 3 5 6 VEE 12 5 6
Rt so Senter Freq 2.4415 0 dB/div Ref Offset 0 dB/div Ref 20.00 1 dB/div Ref 20.00 1 dB/div Ref 20.00 2 dB/div Ref 20.00 2 dB/div Ref 20.00 2 dB/div Ref 20.00 2 dB/div Ref 20.00<	xept SA 2 AC	Vide Trig: n:Low Trig: #VBW 100	Free Run n: 30 dB	2441MHz	(d:>100/100	kr1 2.440 -5.	7 PM Jan 22, 2022 AVEE 12 3 4 5 6 VEE 12 3 5 6 VEE 12 5 6



Agilent Spectrum Analyzer - Swept SA				
RL RF 50 Ω A enter Freq 2.4795000	000 GHz	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	05:02:12 PM Jan 22, 202 TRACE 1 2 3 4 5
		Wide Trig: Free Ru n:Low #Atten: 30 dE	3	
Ref Offset 1.9 dE	B		Mk	r1 2.478 912 GH: -5.605 dBn
dB/div Ref 20.00 dB	m			-0.000 dBi
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enter 2.479500 GHz				Span 2.000 MH
es BW 30 kHz		#VBW 100 kHz	Sweep	2.133 ms (1001 pts
N 1 1	× 2.478 912 GHz	Y FUNCTI	ON FUNCTION WIDTH FU	NCTION VALUE
N 1 F	2.479 912 GHz	-5.538 dBm		
		m	STATUS	4
		S NVNT 2-DH		
Agilent Spectrum Analyzer - Swept SA				- ē -
RL RF 50 Ω A enter Freq 2.4025000	000 GHz	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	05:08:03 PM Jan 22, 202 TRACE 1 2 3 4 5
	PNO: IFGair	Wide Trig: Free Ru n:Low #Atten: 30 dE		
Ref Offset 1.84 o	B		Mk	r1 2.401 908 GH
dB/div Ref 20.00 dB	m			-6.179 dBn
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enter 2.402500 GHz tes BW 30 kHz		#VBW 100 kHz	Sweep	Span 2.000 MH 2.133 ms (1001 pts
	X	Y FUNCTI	-	NCTION VALUE
R MODE TRC SCL	2.401 908 GHz	-6.179 dBm -6.244 dBm		
N 1 f N 1 f	2.402 908 GHz			
N 1 f	2.402 908 GHz			
N 1 f	2.402 908 GHz			
	2.402 908 GHz			
	2.402 908 GHz			
	2.402 908 GHz			



Agilent Spectrum Analyzer - Swept S				
RL RF 50 Ω enter Freq 2.441500	000 GHz	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	05:14:46 PM Jan 22, 2022 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N
B 60% // 00	IFGain	:Low #Atten: 30 dB	Mkr	1 2.440 912 GHz
Ref Offset 1.86 dB/div Ref 20.00 dB	aB 3m			-5.769 dBm
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0.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
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0.0				
enter 2.441500 GHz				Span 2.000 MHz
Res BW 30 kHz		#VBW 100 kHz		2.133 ms (1001 pts)
KR MODE TRC SCL	× 2.440 912 GHz	Y FUNCTION -5.769 dBm	N FUNCTION WIDTH FUN	CTION VALUE
2 N 1 f 3 4	2.441 910 GHz	-5.779 dBm		
4 5 6				E
7				
9 0				
G			STATUS	
	CF	S NVNT 2-DH	1 2480MHz	
Agilent Spectrum Analyzer - Swept S R L RF 50 Ω		SENSE:INT	ALIGN AUTO	05:25:24 PM Jan 22, 2022
enter Freq 2.479500		Vide 🕞 Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6
	PNU: V	Vide U	Avg Hold:>100/100	TTPE N WWWWWWWW
	IFGain			DET PNNNN
Ref Offset 1.9 d dB/div Ref 20.00 dB	IFGain:			
Ref Offset 1.9 d 0 dB/div Ref 20.00 dB 9g	IFGain:			1 2.478 906 GHz
dB/div Ref 20.00 dE	IFGain:			1 2.478 906 GHz
0 dB/div Ref 20.00 dB 99 0.0 0.00 0.0	IFGain IB 3m		Mkı	1 2.478 906 GHz
0 dB/div Ref 20.00 dB	IFGain IB 3m		Mkı	1 2.478 906 GHz
0 dB/div Ref 20.00 dB 99 0.0 0.00 0.0	IFGain IB 3m		Mkı	1 2.478 906 GHz
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0 dB/div Ref 20.00 dB 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	IFGain IB 3m		Mkı	1 2.478 906 GHz
0 dB/div Ref 20.00 dB 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	IFGain IB 3m		Mkı	1 2.478 906 GHz
enter 2.479500 GHz	IFGain IB 3m	Low #Atten: 30 dB	Mki	1 2.478 906 GHz -5.928 dBm
enter 2.479500 GHz Res BW 30 kHz	IFGain IB 3m 1 1 1 1 1 1 1 1 1 1 1 1 1	Low #Atten: 30 dB	Mkı	Span 2.000 MHz 2.133 ms (1001 pts)
dB/div Ref 20.00 dE 29	IE Gain	#VBW 100 kHz Y FUNCTION	Mkı	1 2.478 906 GHz -5.928 dBm
o dB/div Ref 20.00 dB og	IFGain IB I I I I I I I I I I I I I I I I I I	Low #Atten: 30 dB #Atten: 30 dB #Atten: 30 dB #VBW 100 kHz #VBW 100 kHz	Mkı	Span 2.000 MHz 2.133 ms (1001 pts)
a dB/div Ref 20.00 dB og	IE Gain	#VBW 100 kHz Y FUNCTION	Mkı	Span 2.000 MHz 2.133 ms (1001 pts)
aB/div Ref 20.00 dB og	IE Gain	#VBW 100 kHz Y FUNCTION	Mkı	Span 2.000 MHz 2.133 ms (1001 pts)
Ref 20.00 dB 29 00 00	IE Gain	#VBW 100 kHz Y FUNCTION	Mkı	Span 2.000 MHz 2.133 ms (1001 pts)
Ref 20.00 dB 29 00	IE Gain	#VBW 100 kHz Y FUNCTION	Mkı	Span 2.000 MHz 2.133 ms (1001 pts)

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Agilent Spectrum Analyzer - Swep						- 6 💌
RL RF 50 Ω enter Freq 2.40250	0000 GHz	SENSE:INT	ALIGN AUTO Avg Type: un Avg Hold:>	Log-Pwr 100/100	TRA	PM Jan 22, 202 CE 1 2 3 4 5 PE MWWWW ET P N N N N
	IFGa	ain:Low #Atten: 30 d	iB			
Ref Offset 1.8 dB/div Ref 20.00 c	34 dB 1 Bm			MK	r1 2.401 s -6.2	80 dBm
	1			2		
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			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	$\sim$	····	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
.0						
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enter 2.402500 GHz					Snan 2	2.000 MHz
les BW 30 kHz		#VBW 100 kHz		Sweep	2.133 ms	(1001 pts)
R MODE TRC SCL	X	Y FUNCT	TION FUNCTION WIDTH	FU	NCTION VALUE	
N 1 f N 1 f	2.401 904 GHz 2.402 902 GHz	-6.280 dBm -6.520 dBm				
			STATUS			
	C	FS NVNT 3-DF	H1 2441MHz			
Agilent Spectrum Analyzer - Swep	ot SA					
RL   RF   50 Q	AC	SENSE:INT	ALIGN AUTO			👝 💣 🛃
RL RF 50 Ω enter Freq 2.44150	0000 GHz	SENSE:INT	ALIGN AUTO Avg Type: tun Avg/Hold:>		05:48:12	PM Jan 22, 202
	0000 GHz	SENSE:INT D: Wide Trig: Free R ain:Low #Atten: 30 d	Avg Type: un Avg Hold:>	100/100	05:48:12 TRA TY E	PM Jan 22, 202 CE 1 2 3 4 5 PE M ET P N N N N
enter Freq 2.44150 Ref Offset 1.8	00000 GHz PNC IFGa 36 dB	): Wide 😱 Trig: Free R	Avg Type: un Avg Hold:>	100/100	05:48:12 TRA TY C	PM Jan 22, 202 CE 1 2 3 4 5 PE MWWWW ET P N N N N
enter Freq 2.44150 Ref Offset 1.8 dB/div Ref 20.00 c	00000 GHz PNC IFGa 36 dB	): Wide 😱 Trig: Free R	Avg Type: un Avg Hold:>	100/100	05:48:12 TRA TY C	PM Jan 22, 202 CE 1 2 3 4 5 PE M ET P N N N N
Ref Offset 1.8 dB/div Ref 20.00 c	00000 GHz PNC IFGa 36 dB	): Wide 😱 Trig: Free R	Avg Type: un Avg Hold:>	100/100 Mk	05:48:12 TRA TY C	PM Jan 22, 202 CE 1 2 3 4 5 PE MWWWW ET P N N N N
Ref Offset 1.8 dB/div Ref 20.00 c	00000 GHz PNC IFGa 36 dB	): Wide 😱 Trig: Free R	Avg Type: un Avg Hold:>	100/100	05:48:12 TRA TY C	PM Jan 22, 202 CE 1 2 3 4 5 PE MWWWW ET P N N N N
Ref Offset 1.8 dB/div Ref 20.00 c	00000 GHz PNC IFGa 36 dB	): Wide 😱 Trig: Free R	Avg Type: un Avg Hold:>	100/100 Mk	05:48:12 TRA TY C	PM Jan 22, 202 CE 1 2 3 4 5 PE MWWWW ET P N N N N
Ref Offset 1.8 Ref Offset 1.8 Ref 20.00 c	00000 GHz PNC IFGa 36 dB IBm	D: Wide Trig: Free R #Atten: 30 d	Avg Type: un Avg Hold:>	100/100 Mk	05:48:12 TRA TY C	PM Jan 22, 202 CE 1 2 3 4 5 PE MWWWW ET P N N N N
Ref Offset 1.8 dB/div Ref 20.00 c	00000 GHz PNC IFGa 36 dB IBm	D: Wide Trig: Free R #Atten: 30 d	Avg Type: un Avg Hold:>	100/100 Mk	05:48:12 TRA TY C	PM Jan 22, 202 CE 1 2 3 4 5 PE MWWWW ET P N N N N
Ref Offset 1.8 dB/div Ref 20.00 c	00000 GHz PNC IFGa 36 dB IBm	D: Wide Trig: Free R #Atten: 30 d	Avg Type: un Avg Hold:>	100/100 Mk	05:48:12 TRA TY C	PM Jan 22, 202 CE 1 2 3 4 5 PE MWWWW ET P N N N N
Ref Offset 1.8 dB/div Ref 2.000 c	00000 GHz PNC IFGa 36 dB IBm	D: Wide Trig: Free R #Atten: 30 d	Avg Type: un Avg Hold:>	100/100 Mk	05:48:12 TRA TY C	PM Jan 22, 202 CE 1 2 3 4 5 PE MWWWW ET P N N N N
Ref Offset 1.8 dB/div Ref 20.00 c	00000 GHz PNC IFGa 36 dB IBm	D: Wide Trig: Free R #Atten: 30 d	Avg Type: un Avg Hold:>	100/100 Mk	05:48:12 TRA TT C TT 2.440 S -5.8	PM Jan 22, 202 PM Jan 22, 202 PE PM Jan 22, 34 5 PE PM Jan 22, 34 5 PE PM Jan 22, 34 5 PE PM Jan 22, 34 5 PM Jan 22, 35
Ref Offset 1.8 B/div Ref 2.000 c	00000 GHz PNC IFGa 36 dB IBm	D: Wide in:Low Trig: Free R #Atten: 30 d	Avg Type: un Avg Hold:>	2 2	05:48:12 TRA r1 2.440 9 -5.8	PM Jan 22, 202 PM Jan 22, 202 PM Jan 22, 204 5 PM Jan 22, 405 PM Jan 22, 4
Ref Offset 1.8 dB/div Ref 2.44150	10000 GHz PNC IFG 36 dB 1Bm	D: Wide ain:Low Trig: Free R #Atten: 30 d	Avg Type: iB	100/100 Mk	05:48:12 TRA T C C C C C C C C C C C C C C C C C C	PM Jan 22, 202 PM Jan 22, 202 PM Jan 22, 204 5 PM Jan 22, 405 PM Jan 22, 4
Ref Offset 1.8 GB/div Ref 20.00 c GB/div Ref 20.00 c GB/di C GB/di C GB/di C GB/di C GB/di C GB/di C GB/di C GB/di C	x	Trig: Free R #Atten: 30 d #VBW 100 kHz	Avg Type: iB	100/100 Mk	05:48:12 TRA r1 2.440 9 -5.8	PM Jan 22, 202 PM Jan 22, 202 PM Jan 22, 204 5 PM Jan 22, 405 PM Jan 22, 4
Ref Offset 1.8 Ref Offset 1.8 Ref 2.000 c	10000 GHz PNC IFG 36 dB 1Bm	Trig: Free R #Atten: 30 d	Avg Type: iB	100/100 Mk	05:48:12 TRA T C C C C C C C C C C C C C C C C C C	PM Jan 22, 202 PM Jan 22, 202 PM Jan 22, 204 5 PM Jan 22, 405 PM Jan 22, 4
Ref Offset 1.8 Ref Offset 1.8 Ref 20.00 c S S S S S S S S S S S S S	x	Trig: Free R #Atten: 30 d #VBW 100 kHz	Avg Type: iB	100/100 Mk	05:48:12 TRA T C C C C C C C C C C C C C C C C C C	PM Jan 22, 202 PM Jan 22, 202 PM Jan 22, 204 5 PM Jan 22, 405 PM Jan 22, 4
Ref Offset 1.8 Ref Offset 1.8 Ref 20.00 c Ref 20.00 c 9 9 9 9 9 9 9 9 9 9 9 9 9	x	Trig: Free R #Atten: 30 d #VBW 100 kHz	Avg Type: iB	100/100 Mk	05:48:12 TRA T C C C C C C C C C C C C C C C C C C	PM Jan 22, 202 PM Jan 22, 202 PM Jan 22, 204 5 PM Jan 22, 405 PM Jan 22, 4
R MODE TRC SCL	x	Trig: Free R #Atten: 30 d #VBW 100 kHz	Avg Type: iB	100/100 Mk	05:48:12 TRA T C C C C C C C C C C C C C C C C C C	PM Jan 22, 202 PM Jan 22, 202 PM Jan 22, 204 5 PM Jan 22, 405 PM Jan 22, 4
Ref Offset 1.8 GB/div Ref 2.44150 GB/div Ref 20.00 c G G G G G G G G G G G G G G G G G G G	x	Trig: Free R #Atten: 30 d #VBW 100 kHz	Avg Type: iB	100/100 Mk	05:48:12 TRA T C C C C C C C C C C C C C C C C C C	PM Jan 22, 202 PM Jan 22, 202 PM Jan 22, 204 5 PM Jan 22, 405 PM Jan 22, 4



	CF	S NVNT 3-DH	1 2480MHz	
📕 Agilent Spectrum Analyzer - Sv				
	Ω AC	SENSE:INT	ALIGN AUTO	05:57:23 PM Jan 22, 202
Center Freq 2.4795		Wide Trig: Free Ru n:Low #Atten: 30 dE		
Ref Offset ′ 10 dB/div Ref 20.00				Mkr1 2.478 910 GH -5.479 dBm
log				
0.00	1			2
-10.0		~~~	~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	har hand me
-20.0				······································
-30.0				
-40.0				
-50.0				
-60.0				
-70.0				
Center 2.479500 GH #Res BW 30 kHz	Z	#VBW 100 kHz		Span 2.000 MH Sweep 2.133 ms (1001 pts
MKR MODE TRC SCL	Х	Y FUNCTION	ON FUNCTION WIDTH	FUNCTION VALUE
1 N 1 f 2 N 1 f	2.478 910 GHz 2.479 908 GHz	-5.479 dBm -5.569 dBm		
3	2.4/9 900 GHZ	-5.509 UDIII		
4 5				
6				
7 8				
9				
10				
11				
11				•

No.: BCTC/RF-EMC-005

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#### 13. Number Of Hopping Frequency

#### 13.1 Block Diagram Of Test Setup



#### 13.2 Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

#### 13.3 Test Procedure

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

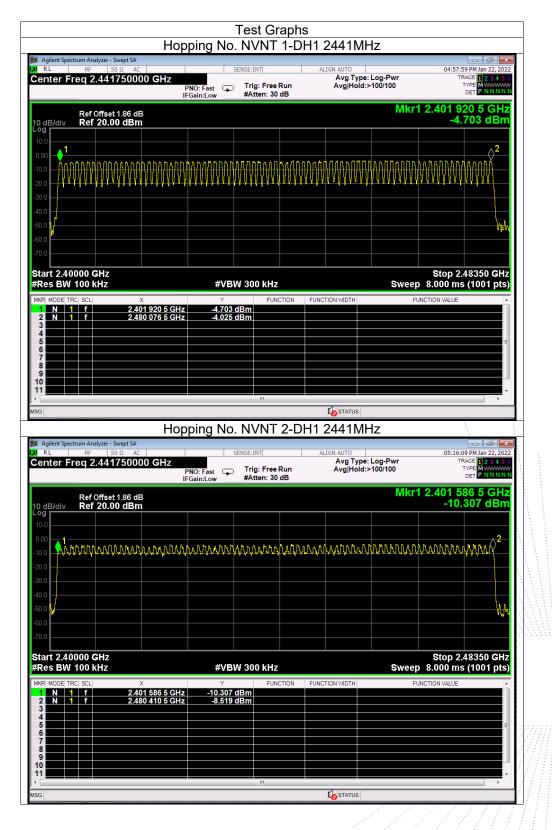
2. Set the spectrum analyzer: RBW = 100kHz. VBW = 300kHz. Sweep = auto; Detector Function = Peak. Trace = Max hold.

Allow the trace to stabilize. It may prove necessary to break the span up to sections. in order to clearly show all of the hopping frequencies. The limit is specified in one of the subparagraphs of this Section.
 Set the spectrum analyzer: Start Frequency = 2.4GHz, Stop Frequency = 2.4835GHz. Sweep=auto;

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## 13.4 Test Result







		zer - Swept SA										
RL	RF	50 Ω AC			S	ENSE:INT		AL	IGN AUTO			42 PM Jan 22, 202
enter F	Freq 2.₄	14175000				Trig: Free	D		Avg Type Avg Hold:		т	RACE 1 2 3 4 5
				NO: Fast Gain: I ow	<b>P</b>	#Atten: 30			Avginoid.	2100/100		DET PNNNN
			11	Gam.LOw			42					
	Ref Of	fset 1.86 dB								MKr'		86 5 GHz
0 dB/div	Ref 2	20.00 dBm									-10.	.430 dBm
.ºg												
10.0												
0.00												<mark>∧2</mark>
10.0	MAAAA	INARAWARI	NUMMIN	WWW	ካሊሊ	IAAAAAA	MANAA	NW	WWWWW	www.www	wwww	እእእለሌላ
			1						-			
20.0												
30.0												
40.0												
17												1
50.0												YUUN
60.0												
70.0												
start 2.4	0000 GI	-Iz									Stop 2	.48350 GHz
Res BW	100 kH	z		#	VBV	/ 300 kHz				Sweep		s (1001 pts)
KR MODE		X	,		Y	ELIM	CTION	ELINC	TION WIDTH	E1	JNCTION VALUE	
	1 f		1 586 5 GHz		430 d		CHON	TONC			SNCTION VALUE	
2 N	1 f		0 410 5 GHz	-8.	063 d	Bm						
3												
4												-
6												
7												
8												
10												
11												-



## 14. Dwell Time

#### 14.1 Block Diagram Of Test Setup



#### 14.2 Limit

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

#### 14.3 Test Procedure

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

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

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

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

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## 14.4 Test Result

DH5 Packet permit maximum 1600 / 79 / 6 hops per second in each channel (5 time slots RX, 1 time slot TX). DH3 Packet permit maximum 1600 / 79 / 4 hops per second in each channel (3 time slots RX, 1 time slot TX). DH1 Packet permit maximum 1600 / 79 / 2 hops per second in each channel (1 time slot RX, 1 time slot TX). So, the Dwell Time can be calculated as follows:

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

Modulation	Channel Data	Packet	pulse time(ms)	Dwell Time(s)	Limits(s)
		DH1	0.376	0.120	0.4
GFSK	Middle	DH3	1.632	0.261	0.4
		DH5	2.88	0.307	0.4
		2DH1	0.386	0.124	0.4
π/4DQPSK	Middle	2DH3	1.638	0.262	0.4
		2DH5	2.879	0.307	0.4
		3DH1	0.388	0.124	0.4
8DPSK	Middle	3DH3	1.636	0.262	0.4
		3DH5	2.888	0.308	0.4



	pt SA			-		
RL RF 50 Ω enter Freq 2.44100	DOOOO GHz	SENSE:INT Trig Do O: Fast → Trig: V ain:Low #Atten	elay-500.0 µs ïdeo	ALIGN AUTO Avg Type: L	og-Pwr	04:58:08 PM Jan 22, 202: TRACE 1 2 3 4 5 TYPE WWWWW DET P N N N N
Ref Offset 1. dB/div Ref 20.00	86 dB dBm				Δ	Mkr1 376.0 μs 0.38 dB
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enter 2.441000000 ( es BW 1.0 MHz	GHz	#VBW 3.0 M	IHz		Sweep 10.	Span 0 Hz (10001 pts)
<pre>KR MODE TRC SCL 1 Δ2 1 t (Δ)</pre>	Х 376.0 µs (/	Y		ICTION WIDTH	-	DN VALUE
2 F 1 t 3	497.0 µs	-5.87 dBm				
5						=
7 8 9						
0						
3				STATUS		
Agilent Spectrum Analyzer - Swe		IVNT 1-DH3	2441MH	z One Bı	ırst	
	AC DOOOO GHz PN	SENSE:INT Trig Do O: Fast ↔ Trig: V ain:Low #Atten	elay-500.0 µs ïdeo	ALIGN AUTO Avg Type: L	.og-Pwr	05:59:07 PM Jan 22, 202
enter Freq 2.44100 Ref Offset 1.	AC DOOOO GHz PN IFG 86 dB	0: Fast ↔ Trig D	elay-500.0 µs ïdeo			05:59:07 PM Jan 22, 202: TRACE 1 2 3 4 5 TYPE WWWWW DET P N N N N
Ref Offset 1/2 0 dB/div Ref 20.00	AC DOOOO GHz PN IFG 86 dB	0: Fast ↔ Trig D	elay-500.0 µs ïdeo			05:59:07 PM Jan 22, 202: TRACE 1 2 3 4 5 TYPE WWWWW DET P NNNN Mkr1 1.632 ms
Ref Offset 1. Ref Offset 1. Ref 2.000	AC D0000 GHz PN IFG 86 dB dBm	0: Fast ↔ Trig D	elay-500.0 µs ïdeo			05:59:07 PM Jan 22, 202; TRACE 1 2 3 4 5 0 TYPE WWWWW DET P NNNN Mkr1 1.632 ms
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Ref Offset 1.3 Ref Offset 1.3 0 dB/div Ref 20.00 0 99	AC 00000 GHz PN IFG 86 dB dBm 1Δ2	O: Fast Trig D Join:Low #Atten	elay-500.0 µs ïdeo			05:59:07 PM Jan 22, 2022 TRACE II 23 4 3 5 TYPE WWWW DET P NNNNN Mkr1 1.632 ms 1.37 dB
Ref Offset 1.3 Ref Offset 1.3 Ref 20.00 ( 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	AC 00000 GHz PN IFG 86 dB dBm 1Δ2	Trig D O: Fast Trig: V #Atten	elay-500.0 µs ïdeo			05:59:07 PM Jan 22, 2022 TRACE    2 3 4 3 c TYPE WWWWWO DET PINNINN Mkr1 1.632 ms 1.37 dB
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Ref Offset 1.3 Ref Offset 1.3 Ref 20.00 ( 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AC D00000 GHz PN IFG 86 dB dBm 1Δ2	Trig D O: Fast ain:Low #Atten	elay-500.0 µs ideo : 30 dB			05:59:07 PM Jan 22, 2022 TRACE 12 3 4 3 5 TYPE WWWWW DET P NNNN Mkr1 1.632 ms 1.37 dB
Ref Offset 1:           0 dB/div         Ref 20.00 d           0 g	AC D00000 GHz PN IFG 86 dB dBm 1Δ2 1Δ2 GHz SHz	Product Average and the second	Hay-500.0 µs ideo : 30 dB		A here in the second se	05:59:07 PM Jan 22, 2022 TRACE    2 3 4 5 6 TYPE WWWWW DET P NNNNN Mkr1 1.632 ms 1.37 dB
Ref Offset 1.3           α B/div         Ref 20.00 f           9	AC DO0000 GHz PN IFG 86 dB dBm 1Δ2 IFG 1Δ2 IFG IFG 86 dB dBm IFG 86 dB dBm IFG 86 dB IFG 86 dB 160 dB 16	Product Average and the second	Hay-500.0 µs ideo : 30 dB	Avg Type: L	A here in the second se	05:59:07 PM Jan 22, 2022 TRACE    2 3 4 3 c TYPE WWWWWWW DET P NNNN Mkr1 1.632 ms 1.37 dB
Ref Offset 13           αB/div         Ref 20.00 f           29	AC 00000 GHz PN IFG 86 dB dBm 1Δ2 1Δ2 3Hz 1.632 ms (4	Trig D Trig V #Atten #Atten #Atten #VBW 3.0 M Y 1.37 dB	Hay-500.0 µs ideo : 30 dB	Avg Type: L	A here in the second se	05:59:07 PM Jan 22, 2022 TRACE    2 3 4 3 c TYPE WWWWWWW DET P NNNN Mkr1 1.632 ms 1.37 dB
Ref Offset 1:           α B/div         Ref Offset 1:           α B/div         Ref 20.00 f           α         Δ           α         Δ           α         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ           Δ         Δ	AC 00000 GHz PN IFG 86 dB dBm 1Δ2 1Δ2 3Hz 1.632 ms (4	Trig D Trig V #Atten #Atten #Atten #VBW 3.0 M Y 1.37 dB	Hay-500.0 µs ideo : 30 dB	Avg Type: L	A here in the second se	05:59:07 PM Jan 22, 2022 TRACE    2 3 4 3 c TYPE WWWWWWW DET P NNNN Mkr1 1.632 ms 1.37 dB



Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC		SENSE:INT	ALIGN AUTO	06:00:00 PM Jan 22, 202
enter Freq 2.44100000	PNO: Fast ↔ IFGain:Low	Trig Delay-500.0 μs ↓ Trig: Video #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 12345 TYPE WWWWWW DET P NNNN
Ref Offset 1.86 dB 0 dB/div Ref 20.00 dBm				ΔMkr1 2.880 ms -5.99 dB
0.00				
	1Δ2			
30.0				
40.0 م المراجع (1997) 50.0 م المراجع (1997)	territe to be	and an advantage of the second of the second s	ter (14 believe beinge til believe beinge pr	CONTRACTOR OF THE OWNER
		a second s	an a she and i the state of the first of the formation of the state of	Mylallable
enter 2.441000000 GHz				Span 0 Hz
es BW 1.0 MHz	#VI	BW 3.0 MHz	Swee	p 10.00 ms (10001 pts)
KR         MODE         TRC         SCL         >           1         Δ2         1         t         (Δ)           2         F         1         t	2.880 ms (Δ) -5	FUNCTION FU	NCTION WIDTH	FUNCTION VALUE
3 4	491.0 µs -14.7			
5				=======================================
8 9				
0				
G			STATUS	
Agilent Spectrum Analyzer - Swept SA	Dwell NVNT	2-DH1 2441MH	Iz One Burst	
RL         RF         50 Ω         AC           enter Freq 2.44100000         2.44100000         2.44100000         2.44100000         2.44100000         2.44100000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.441000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.4410000000         2.44100000000         2.44100000000         2.44100000000000000000000000000000000000	I0 GHz	SENSE:INT Trig Delay-500.0 µs	ALIGN AUTO Avg Type: Log-Pwr	05:16:19 PM Jan 22, 2023 TRACE <b>1 2 3 4 5</b> (
	PNO: Fast ↔ IFGain:Low	⊶ Trig: Video #Atten: 30 dB		DET PNNN
Ref Offset 1.86 dE dB/div Ref 20.00 dBm	5			ΔMkr1 386.0 μs -0.56 dB
og 10.0				
20.0				TRIG LVL
30.0				
10.0	n te Terratural grand play transformer a pylok tij poor verstalle stat	and the second state of th	n Arisentik, stranj de fildet de antification Sansensentik sensentik en tier set strange	alimantine ya patertan ing a parterta a sub-
	li janualin ajapentente parataka	an a	a program in the second se	The first of the second state of the second state of the second
enter 2.441000000 GHz				Span 0 Hz
es BW 1.0 MHz	#VI	BW 3.0 MHz	Swee	p 10.00 ms (10001 pts)
KR         MODE         TRC         SCL         >           1         Δ2         1         t         (Δ)         -	386.0 μs (Δ) -0	.56 dB	NCTION WIDTH	FUNCTION VALUE
2 F 1 t 3 4	497.0 µs -6.2	8 dBm		
				=
5 6				
5 6 7 8 9				
5 6 7 8				



	eq 2.44100000	F	PNO: Fast ↔	SENSE:INT Trig Delay Trig: Video #Atten: 30	<b>.</b> .	ALIGN AUTO Avg Type	: Log-Pwr	06:00: T	52 PM Jan 22, 202 RACE 1 2 3 4 5 TYPE WWWWWW DET PNNNN
dB/div	Ref Offset 1.86 dE Ref 20.00 dBm	3						ΔMkr1	1.638 ms -2.89 dE
		<mark></mark> ↓ ¹ ∆2							TRIOILUI
D.O									
).0 ).0									
0.0 <b>PERMIT</b>			datain ito projitenten Interne Loretter tori	dit har a fille		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		and the set	nin a të gjerare gjerë i
		- Sold Sherowell	de aver and a faile.	a di ka ku ka	<mark>n j jusi ju_{li} sin ji</mark> s të s jiti	Ministra (1997) Ministra (1997)		landharh ann	
enter 2.4 es BW 1.	41000000 GHz		#VF	- 3W 3.0 MHz			Sween	10 00 ms	Span 0 Hz (10001 pts
	C  SCL	X 1.639 mg	Y			ICTION WIDTH		UNCTION VALUE	(TOUCH pite
2 F 1 3		<u>1.638 ms</u> 497.0 μs	-2.	6 dBm					
4 5 6									
7 B 9									
0									
a j	26					STATUS			,
Agilent Spect	rum Analyzer - Swept SA	Dwell	NVNT :	2-DH5 2	441M⊦	lz One E	Burst		
RL	RF 50 Ω AC eq 2.44100000			SENSE:INT					
	Cq 2.44 100000			Trig Delay		ALIGN AUTO Avg Type	: Log-Pwr	06:01: T	RACE 1 2 3 4 5
		F	PNO: Fast ↔ Gain:Low				: Log-Pwr	т	TYPE WWWWWW DET PNNNN
	Ref Offset 1.86 dE Ref 20.00 dBm	F IF		, Trig: Video			: Log-Pwr	т	TYPE WWWWW DET PNNNN
dB/div	Ref Offset 1.86 dB	F IF		, Trig: Video			: Log-Pwr	т	TYPE WWWWW DET PNNNN
0 <b>dB/div</b> 9	Ref Offset 1.86 dB	F IF		, Trig: Video	<b>.</b> .		: Log-Pwr	т	TYPE WWWWW DET PNNNN
0 dB/div 9 0.0 0.0 0.0 0.0	Ref Offset 1.86 dB		-Gain:Low	, Trig: Video	<b>.</b> .		: Log-Pwr	т	2.879 ms -0.19 dE
0 dB/div 9	Ref Offset 1.86 dE Ref 20.00 dBm		-Gain:Low	, Trig: Video	<b>.</b> .		: Log-Pwr	т	RACE 1 2 3 4 5 TYPE WWWWW DET PNNNN 2.879 ms -0.19 dE
<b>dB/div</b> 9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0.0 0 0.0	Ref Offset 1.86 dE Ref 20.00 dBm		Gain:Low	- Trig: Vide #Atten: 30				T AMkr1	RACE 12 34 5 TYPE WMMMM DET PNNNN -0.19 dE TRIO LVL
<b>d dB/div</b> 9 9 20 0 20 0 20 0 20 0 20 0 20 0 20 0	Ref Offset 1.86 dE Ref 20.00 dBm		Gain:Low	- Trig: Vide #Atten: 30				T AMkr1	RACE 12 34 5 TYPE WMMMM DET PNNNN -0.19 dE TRIO LVL
dB/div 99 00 00 00 00 00 00 00 00 00 00 00 00	Ref Offset 1.86 dE Ref 20.00 dBm			→ Trig: Vide #Atten: 30					RACE 12 34 5 TYPE WARNAN DET PNNNN 2.879 ms -0.19 dE TRIOLUL
dB/div 9 0 0 0 0 0 0 0 0 0 0 0 0 0	Ref Offset 1.86 dE Ref 20.00 dBm		Gain:Low	Trig: Vide #Atten: 30			Sweep		RACE 12 34 5 TYPE WMMMM DET PNNNN -0.19 dE TRIO LVL
dB/div 99 90 100 100 100 100 100 100	Ref Offset 1.86 dE Ref 20.00 dBm Providence of the second	F IF	Gain:Low 1∆2 	Trig: Vide #Atten: 30		Avg Type	Sweep	The second secon	RACE 12 34 5 TYPE WARNAN DET PNNNN 2.879 ms -0.19 dE TRIOLUL
dB/div g g g d d d d d d d d d d d d d	Ref Offset 1.86 dE Ref 20.00 dBm Providence of the second	F IF	Gain:Low 1∆2 	Trig: Vide #Atten: 30		Avg Type	Sweep	The second secon	RACE 12 34 5 TYPE WARNAN DET PNNNN 2.879 ms -0.19 dE TRIOLUL
dB/div       9       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       01       02       02       03       04       05	Ref Offset 1.86 dE Ref 20.00 dBm Providence of the second	F IF	Gain:Low 1∆2 	Trig: Vide #Atten: 30		Avg Type	Sweep	The second secon	RACE 12 34 5 TYPE WARNAN DET PNNNN 2.879 ms -0.19 dE TRIOLUL

No.: BCTC/RF-EMC-005



Agilent Spectrum Analyzer - Swept RL RF 50 Ω		SENSE:INT	ALIGN AUTO	05:51:56 PM Jan 22, 2022
enter Freq 2.44100		Trig Delay-500.0 µs →→ Trig: Video	Avg Type: Log-Pwr	TRACE 123456 TYPE DET PNNNN
Ref Offset 1.8 0 dB/div Ref 20.00 d	3 dB			ΔMkr1 388.0 μs -1.15 dB
°g				
2.00 <u>1Δ2</u>				
				TRIC LVL
30.0				
10.0	Milding			
50.0 <mark>milijana</mark> <b>na se </b>		rene din et 11 d'Annie de la company de La company de la company de	allela de la constante d <mark>e la constante de la consta La constante de la constante de</mark>	
0.0				
enter 2.441000000 G es BW 1.0 MHz		¥VBW 3.0 MHz	Swee	Span 0 Hz 10.00 ms (10001 pts)
KR MODE TRC SCL 1 Δ2 1 t (Δ)	× 388.0 μs (Δ)	Y FUNCTION FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
2 F 1 t 3 4	497.0 μs -1	0.40 dBm		
5 6				E
7 8 9				
0				
G		m	STATUS	۲. F
	Dwell NVN	T 3-DH3 2441M	Hz One Burst	
Agilent Spectrum Analyzer - Swept RL RF 50 Ω	AC	SENSE:INT	ALIGN AUTO	06:02:42 PM Jan 22, 2022
enter Freq 2.44100	DOUD GHZ PNO: Fast IFGain:Low		Avg Type: Log-Pwr	TRACE 123456 TYPE WWWWWW DET PNNNN
Ref Offset 1.8	3 dB			ΔMkr1 1.636 ms -1.04 dB
0 dB/div Ref 20.00 d				
0.00				
	1Δ2			TRIO LVL
20.0 <b>20.0</b> 30.0				
40.0				in far had non marakin birda bir ji kili kina yarata Mina na yarata yarat
50.0 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			anna fallhanna ar an tana an an an	March 1997 August 1997 Aug
70.0	1 Ili an Inite a sub		and the state of the state of the state	····
enter 2.441000000 G Res BW 1.0 MHz		#VBW 3.0 MHz	Swee	Span 0 Hz 10.00 ms (10001 pts)
KR MODE TRC SCL	X	Y FUNCTION I	FUNCTION WIDTH	FUNCTION VALUE
1 Δ2 1 t (Δ) 2 F 1 t 3	1.636 ms (Δ) 491.0 μs -1	-1.04 dB 4.86 dBm		
4 5				=
6				
7				
7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10				
7 8			<b>K</b> STATUS	~



Agilent Spec	trum Analyzer - S	wept SA	Dwel			-							
enter Fr	RF 50 req 2.4410	Ω AC		PNO: F	Fast ↔	. Tri			ALIGN	: Log-Pwr			37 PM Jan 22, 20 RACE 1 2 3 4 5 TYPE WWWW DET P NNNI
0 dB/div og r	Ref Offset Ref 20.00										4	\Mkr1	2.888 m 0.17 d
10.0			a da mana ya ka sa k		_1∆2 _								
10.0 <b>2</b> 0.0	2 <u>2</u>												TRIOL
30.0													
10.0													
60.0 60.0 60.0										del taxet and the first fir	eren jun bibli Nacional di bibli	nde bole de <mark>p. 1</mark> 14 projetaj	ladaros de divelse <mark>1 Angel d</mark> e persit
50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	441000000 I.0 MHz	GHz			<mark>air an</mark>	nd), leaf fr				<mark>in in the tweek</mark>	Nativi		Span 0 H (10001 pt
enter 2.4 es BW 1		GHz	<u>2.888 ms</u> 497.0 բs	s (Δ) s	#VE	nd), leaf fr	) MHz	n-philipter		<mark>in in the tweek</mark>	eep 1		Span 0 H
Conter 2.4 Center 2.4 Ces BW 1 KR MODE TR 1 A2 1 2 F 1 3			<u>2.888 m</u> 497.0 µ:	s (Δ) s	#VE	W 3.0	) MHz	n-philipter	a <mark>linal a h</mark> a	<mark>in in the tweek</mark>	eep 1	0.00 ms	Span 0 H
Boold         Boold <td< td=""><td></td><td></td><td>2.888 m 497.0 µ</td><td>s (Δ)</td><td>#VE</td><td>W 3.0</td><td>) MHz</td><td>n-philipter</td><td>a <mark>linal a h</mark>a</td><td><mark>in in the tweek</mark></td><td>eep 1</td><td>0.00 ms</td><td>Span 0 H</td></td<>			2.888 m 497.0 µ	s (Δ)	#VE	W 3.0	) MHz	n-philipter	a <mark>linal a h</mark> a	<mark>in in the tweek</mark>	eep 1	0.00 ms	Span 0 H



## 15. Antenna Requirement

15.1 Limit

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

15.2 Test Result

The EUT antenna is PCB antenna, The antenna gain is 0 dBi, fulfill the requirement of this section.

Edition:

No.: BCTC/RF-EMC-005



# 16. EUT Photographs

#### EUT Photo 1



#### EUT Photo 2

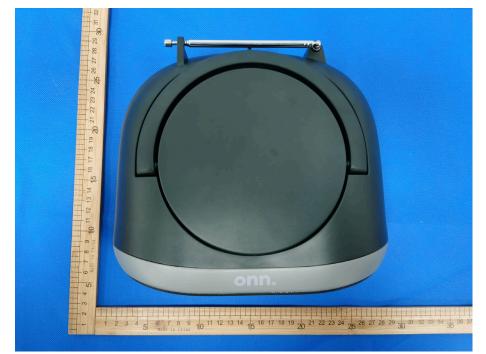


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Edition:



#### EUT Photo 1







# 17. EUT Test Setup Photographs

## **Conducted Measurement Photos**



Radiated Measurement Photos







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# STATEMENT

1. The equipment lists are traceable to the national reference standards.

2. The test report can not be partially copied unless prior written approval is issued from our lab.

3. The test report is invalid without stamp of laboratory.

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

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

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

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

Address:

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

TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

Website: http://www.chnbctc.com

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

#### ***** END *****

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