



Temperature :	<b>26</b> ℃	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC 120V
Test Mode :	TX n Mode(40M)		

Frequency	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kH z)	Result
2422 MHz	-16.216	8	PASS
2437 MHz	-13.095	8	PASS
2452 MHz	-17.384	8	PASS

## **TX CH03**

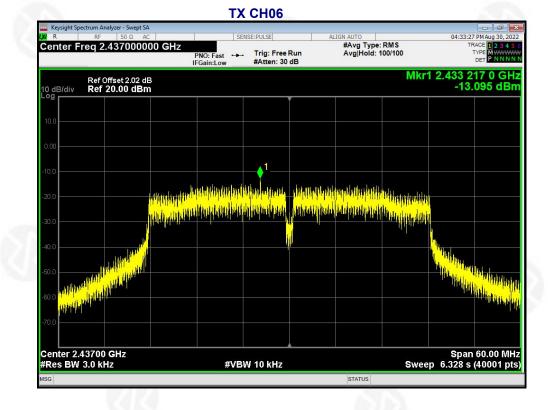
	ctrum Analyzer - Swept S								
X/R	RF 50 Ω A			SENSE:PULSE	AL	IGN AUTO			PM Aug 30, 202
Center Fr	eq 2.4220000	00 GHz		Trig: Free	Run	#Avg Type: Avg Hold: 1			TYPE MWWW
			PNO: Fast ↔ FGain:Low	#Atten: 30		Avginola.			DET P NNNN
	_		_				Micro	1 2.418 2	47.0 CH
	Ref Offset 2.02 d	в					IVIKI	1 2.418 2	216 dBr
10 dB/div Log	Ref 20.00 dBr	n						-10.	210 061
- vg									
10.0									
0.00									
-10.0									
-10.0				<u> </u>					
				J. Y					
-20.0		Lat. L. dur	nthatiatuttilin	differentiation of the second second	the the black	inel distable	the state		
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-60:0	All and PAP 1								
dination	<b>Fibrib</b>								- I. M. KUM-MI
70.0									· · · · · · · · · · · · · · · · · · ·
70.0									
Center 2.4	2200 CHz							Snap	60.00 MH
#Res BW			#\/	BW 10 kHz			Swee	ep 6.328 s	(40001 nf
			<i></i>				GWCC	p 0.520 5	(10001 pt
MSG						STATUS			



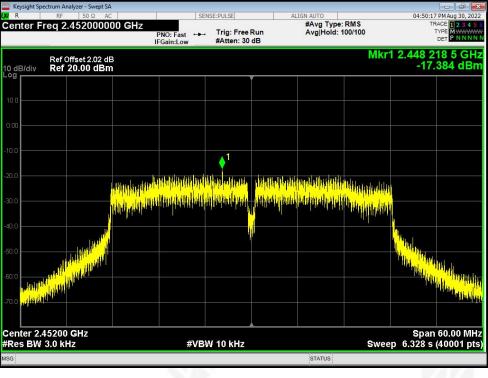








#### **TX CH09**



Shenzhen 7KT Tech

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#### 7. CHANNEL BANDWIDTH& 99% OCCUPY BANDWIDTH

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.10:2013 and KDB558074 D01DTS Meas Guidancev05r02

#### 7.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C							
Section	Test Item	Limit	Frequency Range (MHz)	Result			
15.247(a)(2)	Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS			

#### 7.2 TEST PROCEDURE

- 1. Set RBW = 100 kHz.
- 2. Set the video bandwidth (VBW)  $\ge$  3 xRBW.
- 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.

#### 7.3 DEVIATION FROM STANDARD

No deviation.

#### 7.4 TEST SETUP



#### 7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.





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**F** 



Temperature :	<b>26</b> ℃	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC 120V
Test Mode :	TX b Mode	55	

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		- L
		- L
		- 1
		- 1
		- 1

Test CH	-6dB Occupy Bandwidth (MHz)						
	802.11b	802.11g	802.11n(HT20)	802.11n(HT 40)	Limit(KHz)	Result	
Lowest	9.091	14.438	14.08	35.033			
Middle	9.096	14.094	15.021	32.514	>500	Pass	
Highest	9.114	13.809	13.809	35.038			









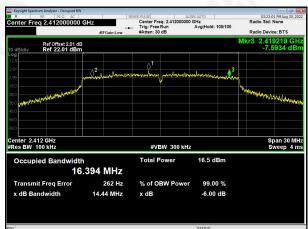




802.11b







802.11g

Middle channel







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# ED.

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802.11n40 Lowest channel







## Middle channel



#### **Highest channel**

enter Freq 2.462000000	GHz #IFGain:Low	Center Freq: 2.462000000 Trig: Free Run #Atten: 30 dB	3Hz Avg Hold: 100/100	Radio Std: None Radio Device: BTS
Ref Offset 2.03 dE 0 dB/div Ref 22.03 dBm	3			Mkr3 2.468887 GH -7.8593 dBr
	annet See her and had moderne	versennen juarterelen	nonchai di sana di sa	Construction of the state
enter 2.462 GHz Res BW 100 kHz		#VBW 300 kHz		Span 30 MH Sweep 4 m
Occupied Bandwidt	h .571 MHz	Total Power	15.5 dBm	
Transmit Freq Error	-17.884 kHz	% of OBW Power	99.00 %	
x dB Bandwidth	13.81 MHz	x dB	-6.00 dB	

Keysight Spectrum Analyzer - Occupied BV						
R RF 50 Ω AC		SENSE:PULSE Center Freg:		SN AUTO	04:39:3 Radio Std: I	5 PM Aug 30, 20
enter Freq 2.45200000	GHz	Trig: Free Ru		Avg Hold: 100/100	Radio Std: I	eone
	#IFGain:Low	#Atten: 30 dE			Radio Devic	e: BTS
Ref Offset 2.02 d 0 dB/div Ref 22.02 dBr				1	Mkr3 2.469 -10	9503 GH 973 dBr
og						
2.02	-		A1			
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a.o					March International	Manufactor 1
B.O MANAMAN						The second second
8.0						
0.8						
enter 2.452 GHz Res BW 100 kHz		40 / D 14	300 kHz		Sp	an 60 M⊩ ⊳ 6.667 m
Res DW 100 KHZ		#VDV	300 KH2		Swee	0.007 11
Occupied Bandwidt	h	Total Por	ver	15.1 dBm		
35	5.922 MHz					
Transmit Freq Error	-16.558 kHz	% of OBV	V Power	99.00 %		
x dB Bandwidth	35.04 MHz	x dB		-6.00 dB		





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#### 8.PEAK OUTPUT POWER TEST

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.10:2013 and KDB558074 D01DTS Meas Guidancev05r02

#### 8.1 APPLIED PROCEDURES/LIMIT

	FCC Part15 (15.247) , Subpart C							
S	ection	Test Item	Limit	Frequency Range (MHz)	Result			
15.2	247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS			

#### 8.2 TEST PROCEDURE

#### a. The EUT was directly connected to the Power meter

#### 8.3 DEVIATION FROM STANDARD

No deviation.

#### 8.4 TEST SETUP



#### 8.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.







Temperature :	<b>26</b> ℃	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC 120V/60Hz

-	Test CH		Peak Out	out Power (dBm)		Limit(dDm)	Deput
		802.11b	802.11g	802.11n20	802.11n40	Limit(dBm)	Result
	Lowest	6.93	5.54	5.527	4.988		
	Middle	7.546	8.182	6.909	7.997	30.00	Pass
	Highest	7.698	4.143	4.89	4.037		



#### 9. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB558074 D01DTS Meas Guidancev05r02

#### 9.1 APPLICABLE STANDARD

in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in§15.205(a), must also comply with the radiated emission limits specified in15.209(a).

#### 9.2 TEST PROCEDURE

Using the following spectrum analyzer setting:

- A) Set the RBW = 100KHz.
- B) Set the VBW = 300KHz.
- C) Sweep time = auto couple.
- D) Detector function = peak.
- E) Trace mode = max hold.
- F) Allow trace to fully stabilize.

#### 9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP

EUT	SPECTRUM
	ANALYZER

#### 9.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

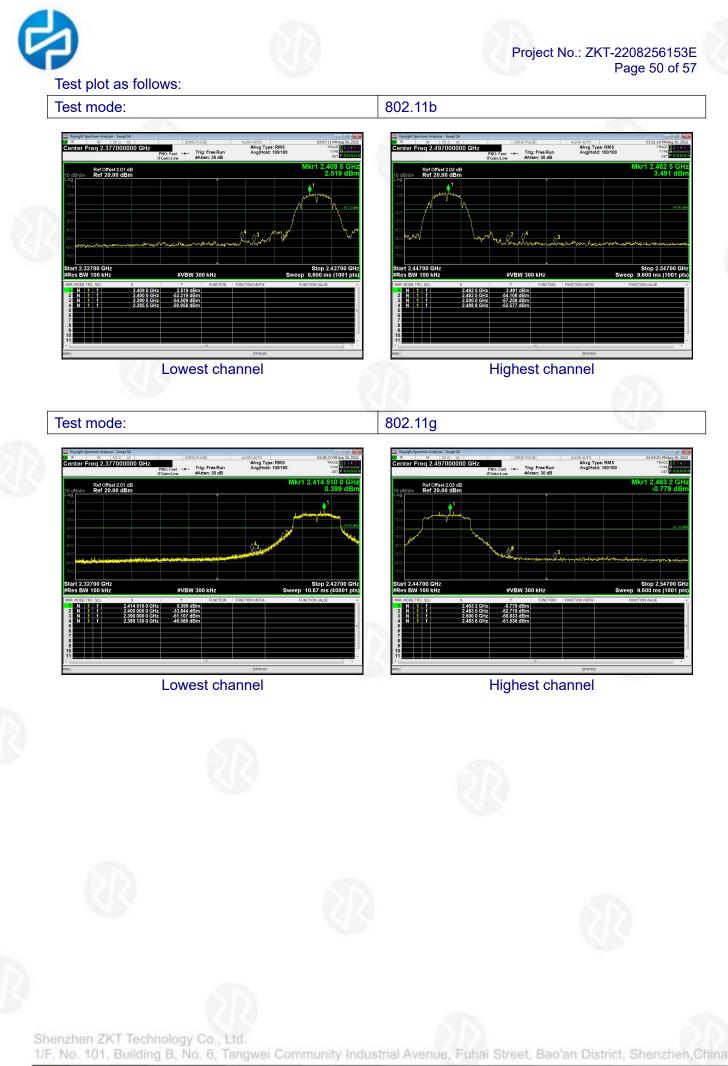
#### 9.6 TEST RESULTS



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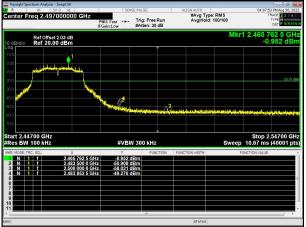


## Project No.: ZKT-2208256153E Page 51 of 57

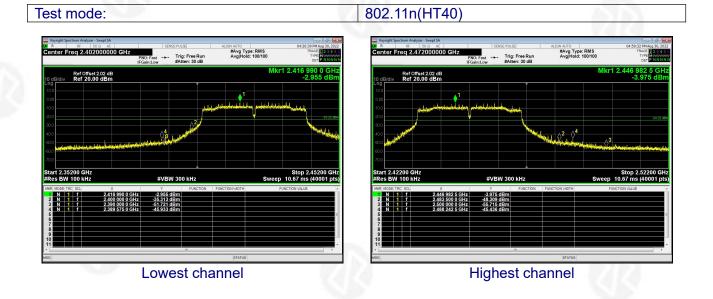
## Test mode:

## 802.11n(HT20)





Highest channel

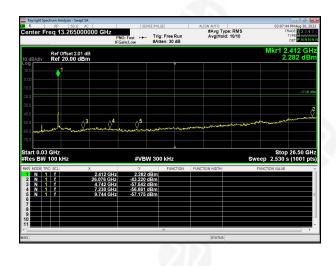






#### Test plot as follows:

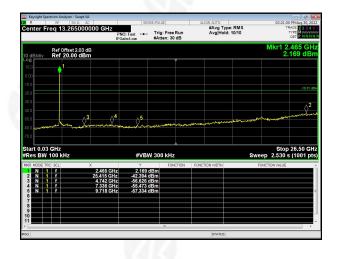
802.11b Lowest channel



## Middle channel

R	RE	50 Q	AC.		SENSE:P		ALIGN AUTO			6 PM Aug 30, 20
nter F			00000 GHz	PNO: Fast IFGain:Low		rig: Free Run Atten: 30 dB		/pe: RMS ld: 10/10	T	RACE 234 TYPE M
dB/div	Ref Ref	Offset 2.02 20.00 d	2 dB Bm							.439 GH 482 dBr
0	_	1				—ľ				
	-									
										-16.28 d
ı —			0 <sup>3</sup> 0	4	¢ <sup>5</sup>		مربدا مهرب	and and a start and a start	(managene seal	Antonia
	لعجع	malupo	\$ <sup>3</sup>	4	25	www.	and a state of the	and a stand of the	Landon Carl	and the second s
			L <sup>3</sup>	4	¢ <sup>5</sup>	waren da	and the second second			Anothenia
rt 0.03	GHz	2	2 <sup>3</sup>	4 ••••••••••••	2 <sup>5</sup> #∨BW 3		and the second second			
rt 0.03 es BW	GHz 100	2	2 <sup>3</sup>		#VBW 3	00 kHz	FUNCTION WIDTH	Sw	Stop	
art 0.03 es BW	GHz 100 RC SCL	2	2.439 GH	z	#VBW 3	00 kHz FUNCTION		Sw	Stop eep 2.530 s	26.50 GH
Int 0.03 es BW	GHz 100 RC SCL f	2	2.439 GH 26.474 GH	z z -4	#VBW 3 Y 2.482 dBr 2.573 dBn	00 kHz FUNCTION		Sw	Stop eep 2.530 s	
art 0.03 es BW	GHz 100 RC SCL f f	2	2.439 GH 26.474 GH 4.927 GH	z -4; z -4; z -5;	#VBW 3 2.482 dBr 2.573 dBn 6.907 dBn	00 kHz		Sw	Stop eep 2.530 s	
rt 0.03 es BW	GHz 100 RC SCL f f	2	2.439 GH 26.474 GH 4.927 GH 7.336 GH	z -4: z -4: z -5: z -5:	#VBW 3 ¥ 2.482 dBr 2.573 dBr 6.907 dBr 6.392 dBr	00 kHz		Sw	Stop eep 2.530 s	
Int 0.03 es BW	GHz 100 RC SCL f f f	2	2.439 GH 26.474 GH 4.927 GH	z -4: z -4: z -5: z -5:	#VBW 3 2.482 dBr 2.573 dBn 6.907 dBn	00 kHz		Sw	Stop eep 2.530 s	
Int 0.03 es BW	GHz 100 RC SCL f f f	2	2.439 GH 26.474 GH 4.927 GH 7.336 GH	z -4: z -4: z -5: z -5:	#VBW 3 ¥ 2.482 dBr 2.573 dBr 6.907 dBr 6.392 dBr	00 kHz		Sw	Stop eep 2.530 s	
Int 0.03 es BW	GHz 100 RC SCL f f f	2	2.439 GH 26.474 GH 4.927 GH 7.336 GH	z -4: z -4: z -5: z -5:	#VBW 3 ¥ 2.482 dBr 2.573 dBr 6.907 dBr 6.392 dBr	00 kHz		Sw	Stop eep 2.530 s	
Int 0.03 es BW	GHz 100 RC SCL f f f	2	2.439 GH 26.474 GH 4.927 GH 7.336 GH	z -4: z -4: z -5: z -5:	#VBW 3 ¥ 2.482 dBr 2.573 dBr 6.907 dBr 6.392 dBr	00 kHz		Sw	Stop eep 2.530 s	
art 0.03 es BW Mode TP N 1 N 1	GHz 100 RC SCL f f f	2	2.439 GH 26.474 GH 4.927 GH 7.336 GH	z -4: z -4: z -5: z -5:	#VBW 3 ¥ 2.482 dBr 2.573 dBr 6.907 dBr 6.392 dBr	00 kHz		Sw	Stop eep 2.530 s	

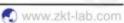
## Highest channel











Shenzhen ZKT Technology Co., Ltd.









RF 50 0 13.26500 tef Offset 2.02 tef 20.00 dl	IFGa	East	:PULSE Trig: Free Run #Atten: 30 dB	ALIGN AUTO #Avg Ty Avg Hol		Mkr1 2	31 PMAug 30, 2 TRACE 1 2 3 4 TYPE MUMA DET P.N.N. 2.439 GI
tef Offset 2.02 tef 20.00 dl	2 dB Bm					Mkr1 2	.439 GI
<b>≬</b> 1						-0	.262 dB
1							
							-17.08
	√34	5			. I ask such the	Augurer	and and a second second
and the man	Lawrencelan	ne Xrom	george and Age a	as sugar and a second			
Hz 0 kHz		#VBW	300 kHz		Sv		o 26.50 G s (1001 p
CL .	X	Y	FUNCTION	FUNCTION WIDTH		FUNCTION VALUE	
f	2.439 GHz						
<b>!</b>	26.209 GHz			++			
f	7.362 GHz	-56.976 dE	lm				
f	9.665 GHz	-57.246 dE	Bm				
	Hz 0 KHz GL f f f	Hz 0 kHz 2 2439 CHz 1 26 209 CHz 1 26 209 CHz 1 7.382 CHz	Hz #VBW HZ #VBW 1 2430 CHz #VBW 1 2430 CHz 4287 dt 1 4287 CHz 57853 dt 1 7382 CHz 58976 dt	Hz HZ CLI X Z 459 GHz Z 559 GHz Z 559 GHZ Z 559 GHZ Z 559 GHZ Z 558 G	Hz         #VEW 300 kHz           Hz         #VEW 300 kHz           CL         ×         ×           1         2.459 GHz         -0.352 dBm           1         2.639 GHz         -2.657 dBm           1         2.523 GHz         -6.657 dBm           1         2.523 GHz         -6.657 dBm	Hz 0 Hz 2 59 GHz 2 259 GHz 1 2 2 597 GHZ 1 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Hz         FVBW 300 kHz         Stop           0 Hz         #VBW 300 kHz         Sweep 2.530           cl         2.439 GHz         9.562 GBm           2.439 GHz         4.567 GBm         Function MOTH           7         2.439 GHz         4.567 GBm           1         7.332 GHz         6.567 GBm           1         7.332 GHz         6.567 GBm

#VBW 300 kH

0.158 dBn -42.786 dBn -56.807 dBn -56.404 dBn -57.406 dBn

 
 NB
 NB
 S0 Ω
 AC
 Strot-Pouce

 tter Freq 13.265000000 GHz
 PN0: Fast
 Trig: Free Run IFGaint.ow
 Trig: Free Run

> 2.407 0 GHz 6.153 2 GHz 4.930 9 GHz 7.296 7 GHz 9.685 6 GHz

Ref Offset 2.01 dB Ref 20.00 dBm #Avg Type: RMS Avg[Hold: 10/10

> Stop 26.50 C Sweep 2.531 s (40001

## Highest channel

XV R	RF	50 Ω			SENSE:PU	LSE		AL	IGN AUTO			03		M Aug 30, 20
Center Fr	eq 13	.26500	0000 GHz	PNO: Fast IFGain:Low		ig: Free l tten: 30				ype: RN old: 10/1			TV	CE 1234 PE MULLINE ET P NNN
10 dB/div	Ref O	ffset 2.03 20.00 dB	dB m									Mkr	1 2.4 -4.7	465 GH 46 dB
10.0	.1													
0.00	-•													
-10.0														-21.43.6
-30.0														
-40.0			A3 A		5									والجوالدور وين
-50.0	J.		A manual	4	2	por mon	and the second	مهلمهم	معلوالمروس		mande	and and and and		
-70.0														
Start 0.03 #Res BW 1		Ηz		#	#VBW 30	0 kHz					Sw	seep 2.5	Stop 2 30 s (	6.50 GH 1001 pt
MKR MODE TRO	SCL f		× 2.465 Gi		Ƴ .746 dBm		TION	FUNCT	FION WIDTH	1		FUNCTION VA	ALUE	
2 N 1	f		26.182 GF	z -42	.707 dBm .608 dBm									
	f		7.336 GI 9.692 GI	z -56	.477 dBm .934 dBm									
6 7														
8														
10														
*					_	m	_	_					_	











## Middle channel

	ctrum Analyzer						
R enter Fi		0 Ω AC 5000000 GHz		E:PULSE	ALIGN AUTO #Avg Type Avg Hold:		04:01:06 PM Aug 30, 2 TRACE 2 3 4 TYPE 0
) dB/div	Ref Offset Ref 20.0		IFGain:Low	#Atten: 30 dB			DET PNNN Mkr1 2.442 1 GH 1.937 dB
	Ker 20.0	U UBIII		Ť			
0	-	Q <sup>3</sup> Q	45		and the second descent of the		
° 📛							
rt 0.03 es BW	GHz 100 kHz		#VBW	300 kHz		Swee	Stop 26.50 G p 2.531 s (40001 p
MODE TR		×	Y	FUNCTION	FUNCTION WIDTH	FL	INCTION VALUE
N 1		2.442 1 G 26.175 1 G					
N 1	Ŧ	4.825 0 G					
N 1		7.241 8 G	lz -56.790 d	Bm			
N 1	f	9.837 8 G	lz -57.182 di	Bm			
_				m			•
					STATUS		

## Highest channel

R	R				SENSE:PU	ILSE	A	LIGN AUTO	0	4:08:31 PM Aug 30, 3
Center	Freq	13.26500	0000 GHz	PNO: Fast IFGain:Low		ig: Free Ru tten: 30 dB	'n	#Avg Ty Avg Hol		TRACE 2 3 4 TYPE M
10 dB/div	Re V <b>R</b> e	of Offset 2.03 of 20.00 de	dB 3m						Mkr1	2.462 6 G -4.474 dE
10.0										
0.00		<b>♦</b> <sup>1</sup>								
10.0										
-20.0										-20.83
-30.0										
			∆ <sup>3</sup> 0 <sup>4</sup>		5				4.000	
	4	Augure .	Kind and the	Y N			and this store	and the set	- ib fitters	
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-50.0 -60.0 -70.0										
-60.0 -70.0 Start 0./		Iz			VBW 30	00 kHz				Stop 26.50 G 31 s (40001 p
FOO Start O. FRes BI	W 100	lz ) kHz	x	#	VBW 30	FUNCTIO	IN FUNC	TION WDTH		31 s (40001 p
600 700 Start 0.	W 100 TRC SC 1 f 1 f	lz D KHz	X 2.462 6 GH 25.815 1 GH	# z _4. z _42.	VBW 30 Y 474 dBm 819 dBm	FUNCTIO	IN FUNC		veep 2.5	31 s (40001 p
600 700 Start 0. #Res B MKR MODE 1 N 2 N 3 N	W 100 TRC SC 1 f 1 f 1 f		× 2.462 6 GH 25.815 1 GH 4.771 4 GH	# z _4. z _42. z _57.	VBW 30 Y 474 dBm 819 dBm 152 dBm	FUNCTIO	IN FUNC		veep 2.5	31 s (40001 p
600 700 Start 0, #Res B MKR MODE 1 N 2 N 3 N 4 N 5 N	W 100 TRC SC 1 f 1 f		X 2.462 6 GH 25.815 1 GH	# z4. z57. z56.	VBW 30 Y 474 dBm 819 dBm	FUNCTIO	IN FUNC		veep 2.5	31 s (40001 p
600 .00 700	W 100 TRC SC 1 f 1 f 1 f 1 f		× 2.462 6 GH 25.815 1 GH 4.771 4 GH 7.266 9 GH	# z4. z57. z56.	VBW 30 474 dBm 819 dBm 152 dBm 655 dBm	FUNCTIO	IN FUNC		veep 2.5	31 s (40001 p
-600 mi -700 Start 0. #Res B NKR Mode 1 N 2 N 3 N 4 N 5 N 6 7 8	W 100 TRC SC 1 f 1 f 1 f 1 f		× 2.462 6 GH 25.815 1 GH 4.771 4 GH 7.266 9 GH	# z4. z57. z56.	VBW 30 474 dBm 819 dBm 152 dBm 655 dBm	FUNCTIO	IN FUNC		veep 2.5	31 s (40001 p
600 min 700 Start 0. #Res B MKR MODE 1 N 2 N 3 N 4 N 5 N 6 7 8 9	W 100 TRC SC 1 f 1 f 1 f 1 f		× 2.462 6 GH 25.815 1 GH 4.771 4 GH 7.266 9 GH	# z4. z57. z56.	VBW 30 474 dBm 819 dBm 152 dBm 655 dBm	FUNCTIO	IN FUNC		veep 2.5	31 s (40001 p
-600 mi -700 Start 0. #Res B NKR Mode 1 N 2 N 3 N 4 N 5 N 6 7 8	W 100 TRC SC 1 f 1 f 1 f 1 f		× 2.462 6 GH 25.815 1 GH 4.771 4 GH 7.266 9 GH	# z4. z57. z56.	VBW 30 474 dBm 819 dBm 152 dBm 655 dBm	FUNCTIO	IN FUN		veep 2.5	31 s (40001 p



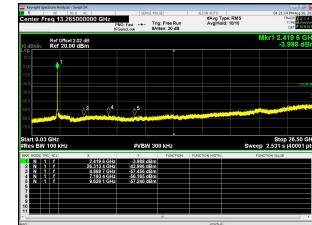












### Middle channel

802.11n(HT40) Lowest channel

ysight Spectrum Analyzer - Swept								PM Aug 30.
RF 50 Ω ter Freq 13.26500	PI	iO: Fast	Trig: Free   #Atten: 30		ALIGN AUTO #Avg Type Avg Hold:		TRA T	PM Aug 30, CE 23 PE M CONT
Ref Offset 2.02 B/div Ref 20.00 dB	dB m						Mkr1 2.43 0.2	2 2 G 49 di
								-20.2
	∆ <sup>3</sup> ∆ <sup>4</sup>	5						
and the second second second	<u> in a start a s</u>	teres interes	<u>uken ki kitik</u>			and a second		
t 0.03 GHz s BW 100 kHz		#VB	W 300 kHz			Swee	Stop : p 2.531 s (4	26.50 C
MODE TRC SCL	х	Y		TION	FUNCTION WIDTH	F	UNCTION VALUE	
N 1 f N 1 f N 1 f	2.432 2 GHz 26.166 5 GHz 5.069 9 GHz	0.249 -42.574 -56.513	dBm					
N 1 f N 1 f	7.335 7 GHz 9.633 3 GHz	-56.885	dBm					
			m					

## Highest channel

	50 Ω AC	SENSE:PUL!	SE	ALIGN AUTO	04:51:12 PM Aug 30
Center Freq 13.2	PNO		: Free Run ten: 30 dB	#Avg Type: R Avg Hold: 10/	
Ref Offse	et 2.02 dB 00 dBm				Mkr1 2.438 1 0 -7.145 d
10.0					
0.00 1					
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50.0	۸ <u>۵</u> ۸ <sup>4</sup>	A5			
60.0 mand under house	. Sheeren Y.		AND A DESCRIPTION	the state of the state of the	
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70.0					Stop 26 50
70.0 Start 0.03 GHz		#VBW 300	) kHz		Stop 26.50 Sweep 2.531 s (40001
TOO Start 0.03 GHz Res BW 100 kHz	x	Y	D KHZ	FUNCTION WIDTH	Stop 26.50 Sweep 2.531 s (40001 FUNCTION VALUE
700 Start 0.03 GHz Res BW 100 kHz	2.438 1 GHz 26.090 4 GHz	Y -7.145 dBm -42.869 dBm		FUNCTION WIDTH	Sweep 2.531 s (40001
700 Start 0.03 GHz Res BW 100 kHz MR MODE TRC SCL	2.438 1 GHz 26.090 4 GHz 4.829 0 GHz	Y -7.145 dBm -42.869 dBm -57.358 dBm		FUNCTION (MDTH)	Sweep 2.531 s (40001
Start 0.03 GHz           Res BW 100 kHz           MR MODE TRC SCL           1         1           2         1           3         1           4         1           4         1           5         1	2.438 1 GHz 26.090 4 GHz	Y -7.145 dBm -42.869 dBm		FUNCTION (WDTH)	Sweep 2.531 s (40001
No         Start 0.03 GHz           Res BW 100 KHz         Fill           Res MODE TC: SCI         N         1         f           N         1         f         S         N         1         f           S         N         1         f         S         N         1         f         S         S         N         1         f         S         N         1         f         S         N         1         f         S         N         1         f         S         N         1         f         S         N         1         f         S         N         1         f         S         N         1         f         S         N         1         f         S         N         1         f         S         N         1         f         S         S         N         1         f         S         S         N         1         f         S<	2.438 1 GHz 26.090 4 GHz 4.829 0 GHz 7.315 9 GHz	Y -7.145 dBm -42.869 dBm -57.358 dBm -55.216 dBm		FUNCTION (MDTH)	Sweep 2.531 s (40001
And	2.438 1 GHz 26.090 4 GHz 4.829 0 GHz 7.315 9 GHz	Y -7.145 dBm -42.869 dBm -57.358 dBm -55.216 dBm		FUNCTION (ADTH)	Sweep 2.531 s (40001
AND         AND <td>2.438 1 GHz 26.090 4 GHz 4.829 0 GHz 7.315 9 GHz</td> <td>Y -7.145 dBm -42.869 dBm -57.358 dBm -55.216 dBm</td> <td></td> <td>FUNCTION (MDTH)</td> <td>Sweep 2.531 s (40001</td>	2.438 1 GHz 26.090 4 GHz 4.829 0 GHz 7.315 9 GHz	Y -7.145 dBm -42.869 dBm -57.358 dBm -55.216 dBm		FUNCTION (MDTH)	Sweep 2.531 s (40001
WR         MOD         GHz           Res         BW         100 kHz           N         1         f           N         1         f           3         N         1           4         N         1           5         N         1           6         N         1           7         8         8	2.438 1 GHz 26.090 4 GHz 4.829 0 GHz 7.315 9 GHz	Y -7.145 dBm -42.869 dBm -57.358 dBm -55.216 dBm		FUNCTION WIDTH	Sweep 2.531 s (40001







#### **10. ANTENNA REQUIREMENT**

#### Standard requirement:

FCC Part15 C Section 15.203 /247(c)

#### 15.203 requirement:

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### 15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi. A transmitter can only be sold or operated with antennas with which it was approved.

#### EUT Antenna:

The antenna is FPCB Antenna, the best case gain of the antenna is 1.42dBi, reference to the appendix II for details

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Reference to the appendix I for details.

#### **12. EUT CONSTRUCTIONAL DETAILS**

Reference to the appendix II for details.

**\*\*\*\*\*\* END OF REPORT \*\*\*\*\*** 



Shenzhen ZKT Technology Co., Ltd. 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

www.zkt-lab.com