

GFSK Middle Channel





04:32:45 PM May 27, 202 Radio Std: None E:PULSE Center Freq: 2.48000 Trig: Free Run #Atten: 30 dB Center Freq 2.480000000 GHz loid: 100/100 #IFGain:Lo Radio Device: BTS Ref Offset 2.04 dB Ref 22.04 dBm Center 2.48 GHz #Res BW 30 kHz Span 3 MHz Sweep 3.333 ms #VBW 100 kHz Total Power 6.38 dBm **Occupied Bandwidth** 810.68 kHz -13.424 kHz Transmit Freq Error % of OBW Power 99.00 % x dB Bandwidth 873.4 kHz x dB -20.00 dB

GFSK High Channel











Reysight Spectrum Analyzer - Occu R RF 50 Ω enter Freq 2.441000	AC 0000 GHz	SENSE:PULSE ALL Center Freq: 2.441000000	IGN AUTO O GHz AvgiHold: 100/100	12:24:25 PM May 27, 2 Radio Std: None
	#IFGain:Low	#Atten: 30 dB	Arginola. Toortoo	Radio Device: BTS
Ref Offset 2 0 dB/div Ref 22.02				
og				
2.0				
.02				
8.0	m	mannon	man	
8.0	~~~~~		· · · · · · · · · · · · · · · · · · ·	
8.0	prod		M	^
18.0	1			n n
8.0 mm mm				myny h
8.0				
enter 2.441 GHz				Span 3 M
Res BW 30 kHz		#VBW 100 kHz	1	Sweep 3.333
Occupied Bandy	vidth	Total Power	2.97 dBm	
	1.3520 MHz			
Transmit Freq Erro		% of OBW Power		
x dB Bandwidth	1.431 MHz	x dB	-20.00 dB	

ODOK MILLI







12:47:44 PM May 27, 202 Radio Std: None

Span 3 MH Sweep 3.333 m

Radio Device: BTS



8-DPSK Low Channel E:PULSE ALL Center Freq: 2.402000000 Trig: Free Run #Atten: 30 dB Center Freq 2.402000000 GHz loid: 100/100 #IFGain:Lo Ref Offset 2.01 dB Ref 22.01 dBm Center 2.402 GHz #Res BW 30 kHz #VBW 100 kHz 3.56 dBm Total Power **Occupied Bandwidth** 1.3415 MHz -21.874 kHz Transmit Freq Error % of OBW Power 99.00 %





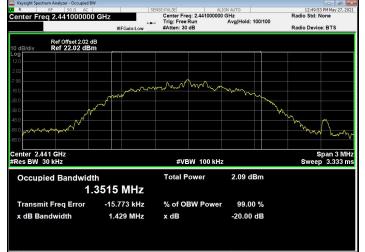




1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China



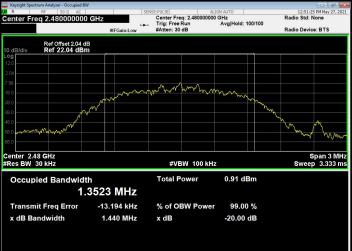






Keysight Sp LXI R	ectrum Analyzer - Occupie RF 50 Ω At			SENSE:
Center F	req 2.4800000	00 GHz	#IFGain:Low	
10 dB/div	Ref Offset 2.04 Ref 22.04 d	4 dB Bm	WP Gall.Low	
12.0				
2.04				
-7.96 -18.0			m	- Ma
-28.0 -38.0		~~~~~	4-14.	
-48.0	monor			
-68.0				
Center 2 #Res BW				
Occu	pied Bandwi	dth		
	,	1.352	3 MHz	

8-DPSK High Channel







8. Maximum Peak Output Power

Test Requirement:	FCC Part15 C Section 15.247 (b)(1)
Test Method:	ANSI C63.10:2013
Limit:	30dBm(for GFSK), 20.97dBm(for EDR)

8.1 Block Diagram Of Test Setup

EUT	SPECTRUM
	ANALYZER

8.2 Limit

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

8.3 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.

8.4 DEVIATION FROM STANDARD

No deviation.

8.5 Test Result

Mode	Test channel	Peak Output Power (dBm)	Limit (dBm)	Result	
	Lowest	1.812			
GFSK	Middle	-0.169	30.00	Pass	
	Highest	-0.163			
	Lowest	-0.291			
π/4-DQPSK	Middle	-1.685	20.97	Pass	
	Highest	-2.764			
	Lowest	-1.239			
8-DPSK	Middle	-2.683	20.97	Pass	
	Highest	-3.831			

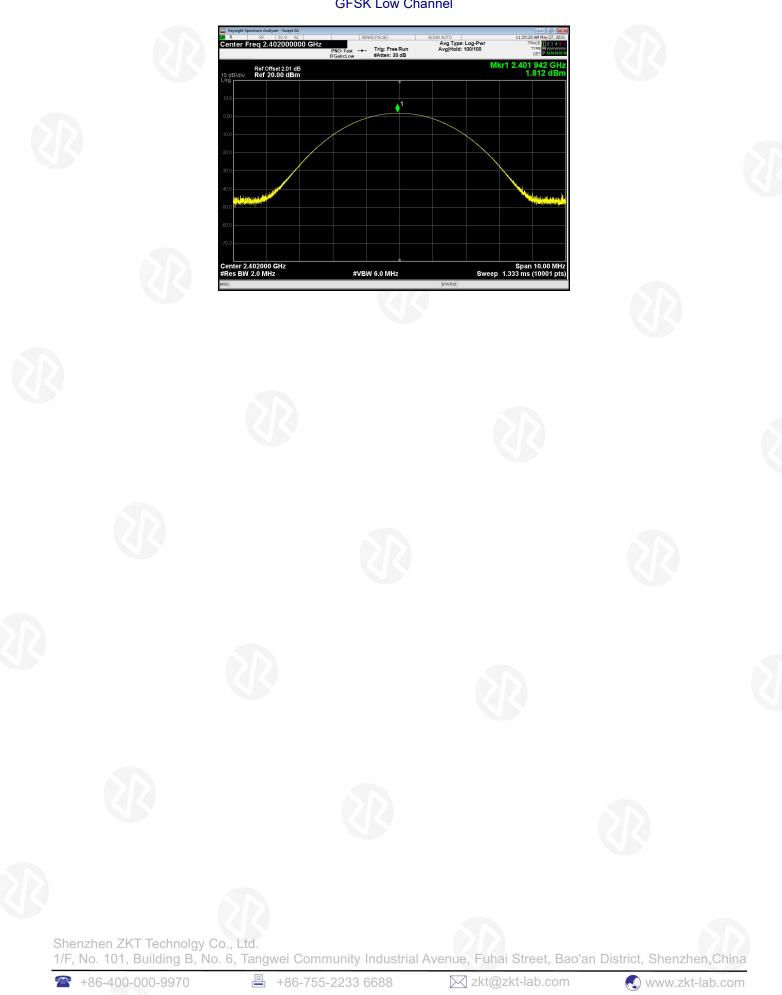


Shenzhen ZKT Technolgy Co., Ltd. 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China



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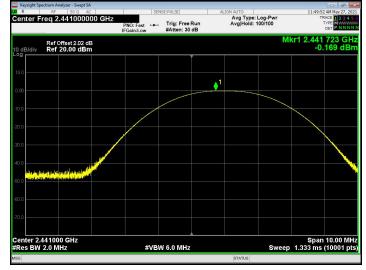
Test plots GFSK Low Channel







GFSK Middle Channel



GFSK High Channel

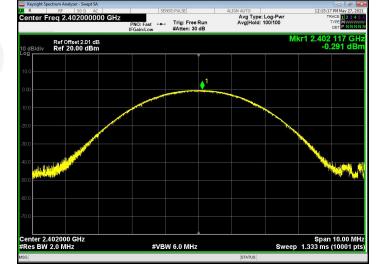




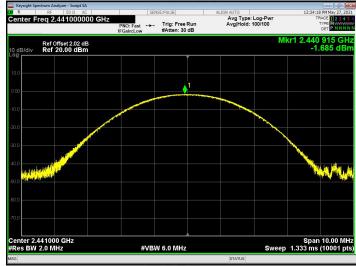




π/4-DQPSK Low Channel



π/4-DQPSK Middle Channel

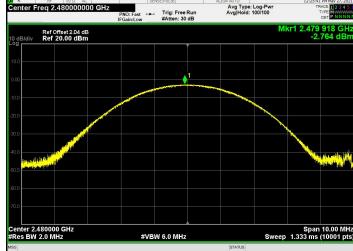








TT/4-DQPSK High Channel Sense Pulse ALIGN AUTO 12:2541 DHK 197, 201 PRO: Fast Trig: Free Run Avg1tpie: Log-Pur 12:2541 DHK 197, 201 PRO: Fast Trig: Free Run Avg1tpie: Log-Pur 12:2541 DHK 197, 201





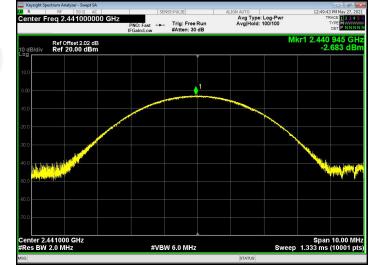
BeDESK Low Channel



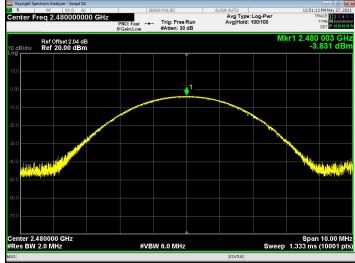




8-DPSK Middle Channel



8-DPSK High Channel







9. HOPPING CHANNEL SEPARATION

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Receiver setup:	RBW=100KHz, VBW=300KHz, detector=Peak
Limit:	GFSK: 20dB bandwidth $\pi/4$ -DQPSK & 8DSK: 0.025MHz or 2/3 of the 20dB bandwidth (whichever is greater)

9.1 Test Setup

UT	SPECTRUM
	ANALYZER

9.2 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 , Span = 3.0MHz. 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.

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 Test Result

Modulation	Test Channel	Separation (MHz)	Limit(MHz)	Result
GFSK	Low	0.998	0.703	PASS
GFSK	Middle	1.002	0.701	PASS
GFSK	High	1.002	0.699	PASS
π/4-DQPSK	Low	1.002	0.916	PASS
π/4-DQPSK	Middle	1.000	0.917	PASS
π/4-DQPSK	High	1.002	0.913	PASS
8-DPSK	Low	1.000	0.896	PASS
8-DPSK	Middle	0.998	0.891	PASS
8-DPSK	High	1.002	0.883	PASS



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Test plots







GFSK Middle Channel



GFSK High Channel







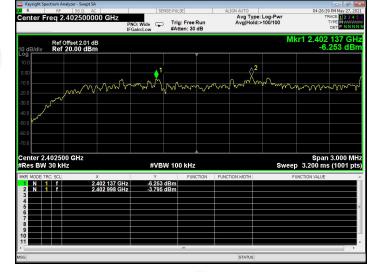








π/4-DQPSK Low Channel



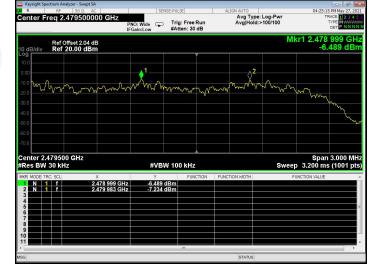
π/4-DQPSK Middle Channel

Keysight Spectrum Analyzer -		SENSE:PUL	ec l	ALIGN AUTO	1	04-25-57	- @ PM May 27, 2
enter Freq 2.441	500000 GHz	Wide 🕁 Tri	g: Free Run ten: 30 dB	Avg Typ	e: Log-Pwr I:>100/100	TR	ACE 1 2 3 4 YPE NWW DET PNNN
Ref Offset: 0 dB/div Ref 20.00			,		N	lkr1 2.441 -7.	158 GI 479 dB
0.00		1			2		
10.0 470 mm My	mmm	www.	www	monday	man	m. My m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
30.0							
50.0 50.0							
70.0 Center 2.441500 GH							3.000 M
Res BW 30 kHz	2	#VBW 10	0 kHz			ep 3.200 ms	(1001 p
KR MODE TRC SCL 1 N 1 F 2 N 1 F 3 M 1 F	× 2.441 158 GHz 2.442 142 GHz	Y -7.479 dBm -7.263 dBm	FUNCTION	FUNCTION WIDTH		FUNCTION VALUE	
4							
8							
			Ш				
G				STATUS			





π/4-DQPSK High Channel



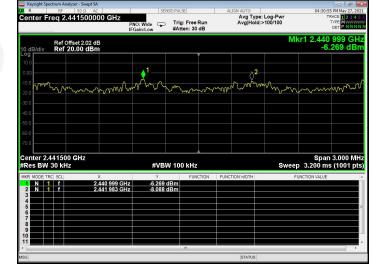
8-DPSK Low Channel

Keysight Spectrum Analyzer R RF 5 Center Freq 2.402	0 Ω AC 500000 GHz PNO	SENSE:PUL : Wide Trig in:Low #At	se j: Free Run ten: 30 dB	ALIGN AUTO Avg Tyj Avg Hol	pe: Log-Pwr d:>100/100	04:31:36 PM May 27, 2 TRACE 1 2 3 4 TYPE M WWW DET P N N N
Ref Offset 10 dB/div Ref 20.0					M	r1 2.402 005 GI -5.418 dB
10.0	www.www.ww	1 Mum Mun Marine	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	wwww	m 2	www.wh
-40.0						
-50.0 -70.0 Center 2.402500 GH	łz					Span 3.000 M
Res BW 30 kHz	X	#VBW 10	FUNCTION	FUNCTION WIDTH		3.200 ms (1001 p
1 N 1 f 2 N 1 f 3 4	2.402 005 GHz 2.403 145 GHz	-5.418 dBm -7.076 dBm	FUNCTION	FUNCTION WIDTH	F	INCTION VALUE
5 6 7 8 9						
10 11 36			m			
				STATUS		





8-DPSK Middle Channel





8-DPSK High Channel

enter	Fre	RF q 2.4	50 Ω 79500				SENSE:PUI	g: Free Ru	_	ALIGN AUTO	be: Log-Pwr d:>100/100		01 PM May 27, TRACE 1 2 3 TYPE M M
						NO: Wide Gain:Low	↔ #A	tten: 30 dB		Avginoi	a:>100/100		DET P N N
			set 2.04								Ν	/kr1 2.47	9 002 G
0 dB/di	v	Ref 2	0.00 dE	Зm								-8	3.317 dl
10.0													
0.00						1-					2		
10.0	~						~						
20.0 W	~ <i>v</i>	S	non	mon	M	ta w	mon	mm	mm	mm	my mar	man	
30.0								Ŷ				1	2.0
40.0													morry
0.0													7
50.0													
70.0													
enter												Spa	n 3.000 M
Res B							VBW 10				Swe	ep 3.200 m	
1 NOD	TRC			×	02 GHz		Y 317 dBm	FUNCTIO	IN FU	NCTION WIDTH		FUNCTION VALUE	
2 N	1	Ŧ			98 GHz		979 dBm						
3 4													
5													
7		_											
8													
8 9													
8							_						



10.NUMBER OF HOPPING FREQUENCY

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)(iii)
Test Method:	ANSI C63.10:2013
Receiver setup:	RBW=100kHz, VBW=300kHz, Frequency range=2400MHz-2483.5MHz, Detector=Peak
Limit:	15 channels

10.1 Test Setup

EUT	SPECTRUM
	ANALYZER

10.2 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;

10.3 DEVIATION FROM STANDARD

No deviation.







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π/4-DQPSK

		_					IFGair	Fast Low		#Atten: 3	0 dB						TYPE DET
10 d	Bidis		tef Offs tef 20	et 2.0	1 dB Bm										Mk	r1 2.4	01 503
Log				.00 u													
0.00	-																
-10.0	A	M	www	MA	4M	uly and	VIAAA	WW	WWW	Manahal	MM	ALAN	44 Aug	man	WANN	MARAN	Maria
-20.0	H																
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-70.0																	
0 4		100/	0 GH:														op 2.483
			0 GH					#	VBW	300 kH	z				Swee	ep 8.00	00 ms (1
MKR		TRC			Х				ŕ		NCTION	FUNC	TION WIDTH	1		FUNCTION	VALUE
2	N N	1	f f	_	2.401 2.480	503 0 G 243 5 G	Hz Hz		008 dE 994 dE								
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4																	
4 5 6																	
6 7 8							_										
67																	

8-DPSK

Keysight Spectrum Analyzer - Swept SA R RF 50 Ω AC Center Freq 2.441750000 GHz		rig: Free Run Atten: 30 dB	ALIGN AUTO Avg Type Avg Hold:	: Log-Pwr 2000/2000	12:40:59 PM May 27, 2021 TRACE 12:34 5 TYPE M
Ref Offset 2.01 dB 10 dB/div Ref 20.00 dBm		Ť		Mkr	2.401 419 5 GHz -10.631 dBm
10.0 0.00 10.0 -10.0 -20.0	aprese proper	\mathcal{M}	wywananya an	fwhihinihwy	MMMMMM
.70.0 Start 2.40000 GHz #Res BW 100 kHz	#VBW 3	00 kHz		Sweep	Stop 2.48350 GHz 8.000 ms (1001 pts)
MKR MODE TRC SCL X 1 N 1 f 2.401 419 5 GH 2 N 1 f 2.480 327 0 GH 3 4 5	Y z10.631 dBr z9.845 dBr	FUNCTION	FUNCTION WIDTH	FU	INCTION VALUE
6 7 8 9 10					
11 / · · · · · · · · · · · · · · ·		m	STATUS		, ,





11. DWELL TIME

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)(iii)
Test Method:	ANSI C63.10:2013
Receiver setup:	RBW=1MHz, VBW=3MHz, Span=0Hz, Detector=Peak
Limit:	0.4 Second

11.1 Test Setup

UT	SPECTRUM
	ANALYZER

11.2 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 = 0Hz;

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).

11.3 DEVIATION FROM STANDARD

No deviation.









11.4 Test Result

GFSK mode:

Frequency	Packet	Dwell time(ms)	Limit(ms)	Result
2441MHz	DH1	124.48	400	Pass
2441MHz	DH3	263.04	400	Pass
2441MHz	DH5	308.48	400	Pass

Remarks:

The test period: T= 0.4 Second/Channel x 79 Channel = 31.6 s Test channel: 2441MHz as blow

DH1 time slot=0.389(ms)*(1600/ (2*79))*31.6=124.48ms DH3 time slot=1.644(ms)*(1600/ (4*79))*31.6=263.04ms

DH5 time slot=2.892(ms)*(1600/ (6*79))*31.6=308.48ms

π/4-DQPSK mode:

Frequency	Packet	Dwell time(ms)	Limit(ms)	Result
2441MHz	2DH1	127.68	400	Pass
2441MHz	2DH3	263.84	400	Pass
2441MHz	2DH5	308.80	400	Pass

Remarks:

The test period: T= 0.4 Second/Channel x 79 Channel = 31.6 s Test channel: 2441MHz as blow DH1 time slot=0.399(ms)*(1600/ (2*79))*31.6=127.68ms DH3 time slot=1.649(ms)*(1600/ (4*79))*31.6=263.84ms DH5 time slot=2.895(ms)*(1600/ (6*79))*31.6=308.80ms

8-DPSK mode:

Frequency	Packet	Dwell time(ms)	Limit(ms)	Result
2441MHz	3DH1	127.36	400	Pass
2441MHz	3DH3	263.20	400	Pass
2441MHz	3DH5	309.33	400	Pass

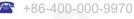
Remarks:

The test period: T= 0.4 Second/Channel x 79 Channel = 31.6 s Test channel: 2441MHz as blow DH1 time slot=0.398(ms)*(1600/ (2*79))*31.6=127.36ms DH3 time slot=1.645(ms)*(1600/ (4*79))*31.6=263.20ms DH5 time slot=2.900(ms)*(1600/ (6*79))*31.6=309.33ms







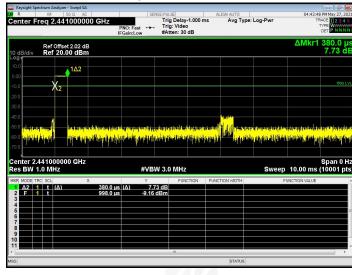






Test Plots

GFSK DH1



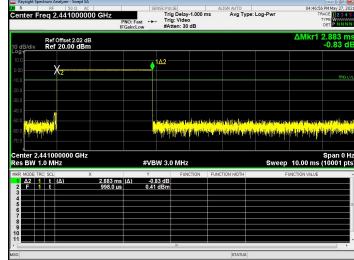
GFSK DH3

KIR	RE 5					1		
			NO: Fast Tr	ig Delay-1.000 n ig: Video ttten: 30 dB	ALIGN AUTO ns Avg Typ	be: Log-Pwr	TF	B PM May 27 RACE 1 2 3 TYPE WWW DET P N N
I0 dB/div	Ref Offset Ref 20.0	t 2.02 dB 10 dBm					ΔMkr1	1.636 -0.09
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70.0								Contract.
enter 2.	.44100000 1.0 MHz	0 GHz	#VBW 3.			Sweep	5 10.00 ms	Span ((10001
enter 2. tes BW 1	1.0 MHz	X	Y	0 MHz	FUNCTION WIDTH		0 10.00 ms	Span ((10001
enter 2. es BW 1	1.0 MHz		Υ (Δ) -0.09 dB	0 MHz				Span ((10001
enter 2. es BW KR MODE T 1 Δ2 2 F 3 4 5 6	1.0 MHz RC SCL 1 t (Δ)	× 1.636 ms	Υ (Δ) -0.09 dB	0 MHz				Span ((10001
Center 2. Res BW	1.0 MHz RC SCL 1 t (Δ)	× 1.636 ms	Υ (Δ) -0.09 dB	0 MHz				Span ((10001
Res BW /	1.0 MHz RC SCL 1 t (Δ)	× 1.636 ms	Υ (Δ) -0.09 dB	0 MHz				Span ((10001





GFSK DH5



π/4-DQPSK DH1

Keysight Spectrum Analyzer - S									_ ₽
R RF 50			SENSE:PU	LSE ig Delay-1.00		IGN AUTO	e: Log-Pwr		9 PM May 27,
enter Freq 2.4410		PNO: Fast	- Tri	ig Delay-1.00 ig: Video tten: 30 dB	ums	Avg Typ	e: Log-PWr	1	RACE 1 2 3 TYPE WWW DET P N N
Ref Offset 2 0 dB/div Ref 20.00	2.02 dB							ΔMkr1	389.0 6.26
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enter 2.441000000	1 1 2			<mark>yknet sor</mark> e			<mark>Veliji u mjasl</mark> i	ant of the second s	Span 0
enter 2.441000000 es BW 1.0 MHz	GHz	#1	VBW 3.	Mietrar 0 MHz	u ma hu hu	n na se	Sweep	10.00 ms	Span 0
enter 2.441000000 es BW 1.0 MHz	GHz	#\	VBW 3.	0 MHz	u ma hu hu		Sweep	ant of the second s	Span 0
enter 2.441000000 es BW 1.0 MHz KR MODE TRC SCL 1 A2 1 t (A) 2 F 1 t	GHz	#\ s (Δ)	VBW 3.	0 MHz	u ma hu hu	n na se	Sweep	10.00 ms	Span 0
enter 2.441000000 es BW 1.0 MHz KR MODE TRC SCL 1 A2 1 t (A)	GHz × 389.0 us	#\ s (Δ)	VBW 3.	0 MHz	u ma hu hu	n na se	Sweep	10.00 ms	Span 0
enter 2.441000000 es BW 1.0 MHz BW 1.0 MHz 1 Δ2 1 t (Δ) 2 F 1 t (Δ) 3 G	GHz × 389.0 us	#\ s (Δ)	VBW 3.	0 MHz	u ma hu hu	n na se	Sweep	10.00 ms	Span 0
enter 2.441000000 es BW 1.0 MHz $RR MODE TRC ScL 11 \Delta 2 1 t (\Delta)2 F 1 t$	GHz × 389.0 us	#\ s (Δ)	VBW 3.	0 MHz	u ma hu hu	n na se	Sweep	10.00 ms	Span 0
RENTER 2.44 1000000 es BW 1.0 MHz RR MODE TRC SCL 2 F 1 t 3 4 5 6 6 7 8	GHz × 389.0 us	#\ s (Δ)	VBW 3.	0 MHz	u ma hu hu	n na se	Sweep	10.00 ms	Span 0
enter 2.441000000 es BW 1.0 MHz KR MOBETRC SCI 2 F 1 t (A) 5 6 6 7 7 8 9	GHz × 389.0 us	#\ s (Δ)	VBW 3.	0 MHz	u ma hu hu	n na se	Sweep	10.00 ms	Span 0
Image: Second state Image: Second state	GHz × 389.0 us	#\ s (Δ)	VBW 3.	0 MHz FUNCTION	u ma hu hu	n na se	Sweep	10.00 ms	Span 0
RENTER 2.44 1000000 es BW 1.0 MHz RR MODE TRC SCL 2 F 1 t 3 4 5 6 6 7 8	GHz × 389.0 us	#\ s (Δ)	VBW 3.	0 MHz	u ma hu hu	n na se	Sweep	10.00 ms	Span 0







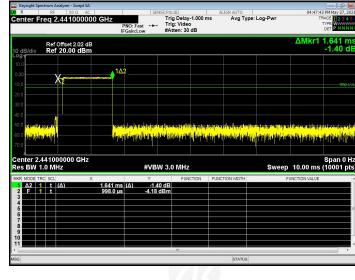








π/4-DQPSK DH3





Keysight Spectrum Analyzer - Swept SA R RF 50 Ω AC Center Freq 2.4410000		ist Trig	se j Delay-1.000 m j: Video ten: 30 dB	ALIGN AUTO IS Avg Tyj	pe: Log-Pwr	TF	PM May 27, 20 RACE 1 2 3 4 TYPE WWWW DET PNNN
Ref Offset 2.02 d 10 dB/div Ref 20.00 dBn -99						AMkr1	2.889 m 4.58 d
10.0		1∆2					TRICL
20.0 X.<mark>9</mark>11.11.11.11. 30.0	, ni honori ta ina ingina i Ingina ingina						
-40.0 -50.0 <mark>webyyout-off</mark> -50.0 webyyout-off -70.0			nder Hertmann Hertopper Hertop			N tel Hoode (1991) De gjer fil bereger	
Center 2.441000000 GHz Res BW 1.0 MHz		#VBW 3.0	MHz		Sweep	10.00 ms	Span 0 (10001 p
MKR MODE TRC SCL 1 A2 1 t (A) 2 F 1 t 3 4 5 5	× 2.889 ms (Δ) 854.0 μs	¥ 4.58 dB -17.06 dBm	FUNCTION	FUNCTION WIDTH	F	UNCTION VALUE	
6 7 8 9 9							
1			m	STATUS			,

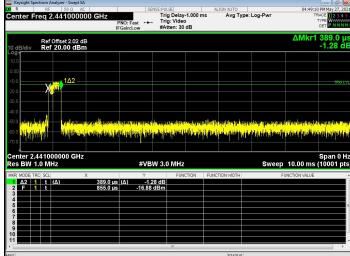
Shenzhen ZKT Technolgy Co., Ltd. 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

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8-DPSK DH1



8-DPSK DH3

Keysight Spectrum Analyzer - Swept								0 0
© R RF 50 Ω Center Freq 2.441000	P	NO: Fast	Trig Delay Trig: Video #Atten: 30	1.000 ms	AUTO Avg Type:	Log-Pwr	т	0 PM May 27, 2 RACE 1 2 3 4 TYPE WWWW DET P N N N
Ref Offset 2.02 10 dB/div Ref 20.00 dB	dB m						ΔMkr1	1.640 n 0.17 c
10.0	1Δ2							
10.0 X2								TRIST
30.0								
-40.0					an an in the second		t lainte en the st	ani di dana di sa
		<mark>mittinin interne</mark>		iter and a state	Allite Astron e	hitelal quarth	Mala Pala Illa	ed a black
Center 2.441000000 GH Res BW 1.0 MHz	z	#VB	W 3.0 MHz			Sweep	10.00 ms	Span 0 (10001 p
MKR MODE TRC SCL	X	Y		CTION FUNC	CTION WIDTH	F	JNCTION VALUE	
1 Δ2 1 t (Δ) 2 F 1 t	1.640 ms 998.0 µs	(Δ) 0.1 -5.90	dBm					
3								
5								
7								
9								
9			m		STATUS			



















12. 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.

EUT Antenna:

The antenna is PCB antenna, the best case gain of the antennas is 0dBi, reference to the appendix II for details





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Reference to the **appendix I** for details.

14. EUT Constructional Details

Reference to the appendix II for details.

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

