

**Products** 

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Test Report No.

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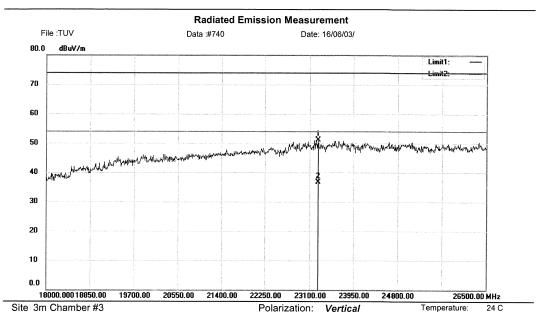
Shenzhen EMTEK Co., Ltd.

Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

53 %



Limit: ( RE)FCC PART 15 C

EUT: MID M/N: NS-P16AT08 Mode: 11G 2462

Note:

No.	М	1k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		23	3261.50	89.01	-37.91	51.10	74.00	-22.90	peak		***************************************	
2	*	23	3261.50	74.71	-37.91	36.80	54.00	-17.20	AVG			

Power: AC 120V/60Hz

\*:Maximum data x:Over limit !:over margin Operator: KK

File :TUV\Data :#740



24 C

53 %

Humidity:

## **Produkte**

**Products** 

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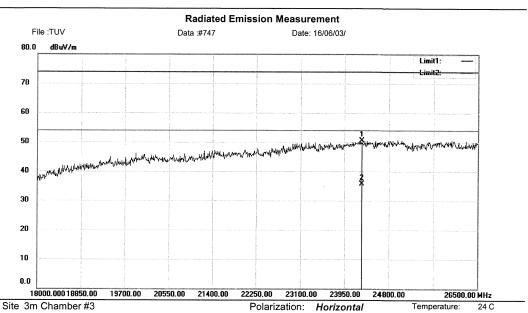
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Shenzhen EMTEK Co., Ltd.

Polarization: Horizontal

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Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

M/N: NS-P16AT08 Mode: 11N 2412

Note:

Power: AC 120V/60Hz EUT: MID

No.	Mk	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		24290.00	87.60	-37.10	50.50	74.00	-23.50	peak			
2	*	24290.00	72.90	-37.10	35.80	54.00	-18.20	AVG			-3 50000

\*:Maximum data x:Over limit !:over margin

File: TUV\Data:#747

Page: 1

Operator: KK



**Products** 

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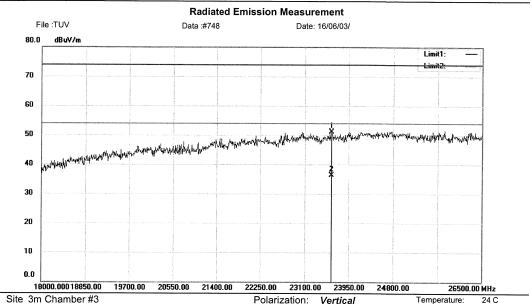
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Humidity:

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID

Note:

M/N: NS-P16AT08 Mode: 11N 2412

No.	М	k. Freq.	Reading Level		Measure- ment	Limit	Over		Antenna Height		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		23618.50	88.71	-37.53	51.18	74.00	-22.82	peak			
2	*	23618.50	73.93	-37.53	36.40	54.00	-17.60	AVG			

Power: AC 120V/60Hz

\*:Maximum data x:Over limit !:over margin

File: TUV\Data:#748

Page: 1

Operator: KK



**Products** 

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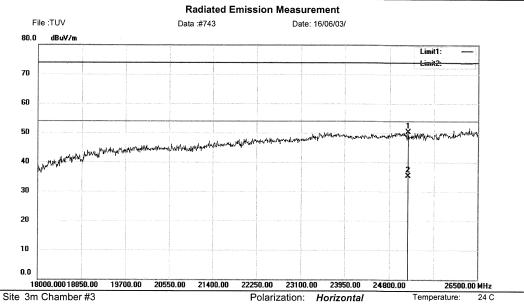
Power: AC 120V/60Hz

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Humidity:

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID M/N: NS-P16AT08 Mode: 11N 2437

Note:

No.	Mł	k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		251	57.00	87.04	-36.82	50.22	74.00	-23.78	peak			
2	*	251	57.00	72.12	-36.82	35.30	54.00	-18.70	AVG			

x:Over limit !:over margin \*:Maximum data Operator: KK

File: TUV\Data:#743



**Products** 

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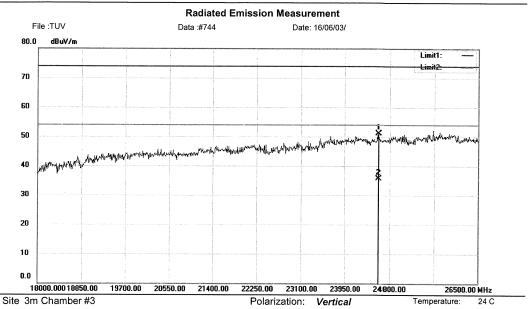
Temperature:

Humidity:

Operator: KK

24 C

53 %



Power: AC 120V/60Hz

Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID M/N: NS-P16AT08 Mode: 11N 2437

Note:

No.	Mk	k. Freq.		Correct Factor	Measure- ment	Limit	Over		Antenna Height		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		24613.00	88.10	-37.06	51.04	74.00	-22.96	peak			
2	*	24613.00	72.86	-37.06	35.80	54.00	-18.20	AVG			

File: TUV\Data: #744



**Products** 

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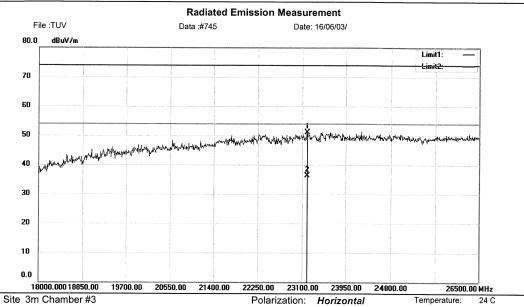
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Humidity:

53 %



Limit: ( RE)FCC PART 15 C

EUT: MID

M/N: NS-P16AT08 Mode:11N 2462 Note:

No.	Mk	. Freq.	Reading Level		Measure- ment		Over		Antenna Height		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		23193.50	89.15	-37.98	51.17	74.00	-22.83	peak			
2	*	23193.50	74.38	-37.98	36.40	54.00	-17.60	AVG			

Power: AC 120V/60Hz

\*:Maximum data x:Over limit !:over margin Operator: KK

File: TUV\Data: #745 Page: 1



**Products** 

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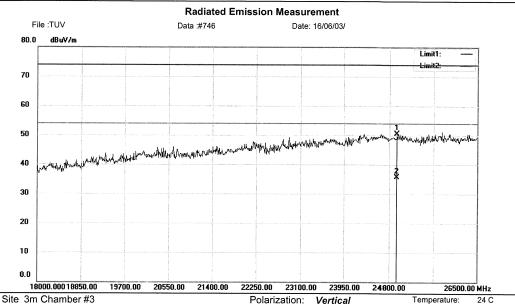
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Humidity:

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID M/N: NS-P16AT08 Mode: 11N 2462

Note:

No.	М	k. Freq	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		24944.50	87.60	-37.02	50.58	74.00	-23.42	peak	***************************************		
2	*	24944.50	72.82	-37.02	35.80	54.00	-18.20	AVG			

Power: AC 120V/60Hz

\*:Maximum data x:Over limit !:over margin

File: TUV\Data:#746

Page: 1

Operator: KK



**Products** 

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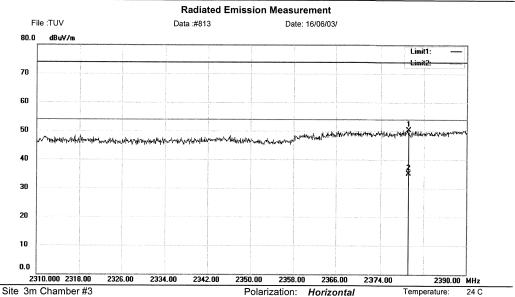
# **Test Plot of Band Edge**

Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

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Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID M/N: NS-P16AT08 Mode:11B 2412

Note:

No.	М	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2379.200	35.33	14.95	50.28	74.00	-23.72	peak			
2	*	2379.200	20.15	14.95	35.10	54.00	-18.90	AVG			

\*:Maximum data

x:Over limit !:over margin

Operator: KK

File:TUV\Data:#813



**Products** 

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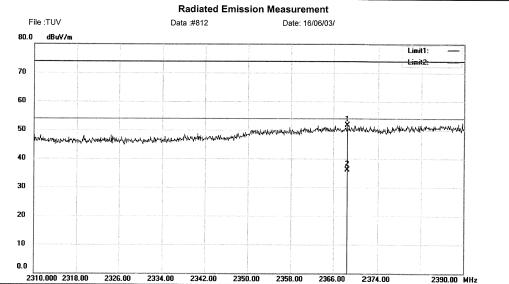


Temperature:

Humidity:

24 C

53 %



Polarization: Vertical

Power: AC 120V/60Hz

Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID

M/N: NS-P16AT08 Mode:11B 2412

Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2368.560	36.84	14.86	51.70	74.00	-22.30	peak			
2	*	2368.560	21.24	14.86	36.10	54.00	-17.90	AVG			

\*:Maximum data x:Over limit !:over margin Operator: KK

File :TUV\Data :#812 Page: 1



**Products** 

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50046347 002 Test Report No.

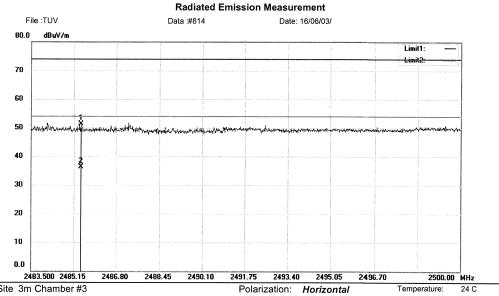
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Humidity:



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID

M/N: NS-P16AT08 Mode: 11B 2462

2 \* 2485.414

20.58

15.82

36.40

Note:

		Reading	Correct	Measure-			***************************************	Antenna	Table	
No. Mk	. Freq.	q. Level	Factor	ment	Limit	Over		Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	2485.414	35.52	15.82	51.34	74.00	-22.66	peak			

54.00 -17.60 AVG

Power: AC 120V/60Hz

\*:Maximum data x:Over limit !:over margin Operator: KK

File :TUV\Data :#814



**Products** 

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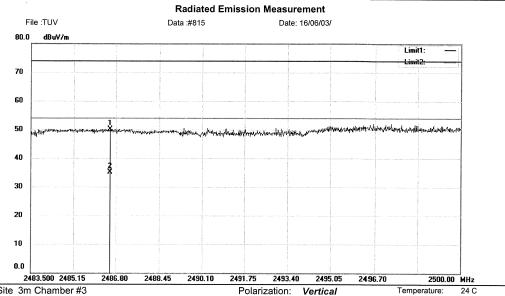
Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

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Humidity:



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID

M/N: NS-P16AT08 Mode:11B 2462

Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2486.569	34.34	15.83	50.17	74.00	-23.83	peak			
2	*	2486.569	19.37	15.83	35.20	54.00	-18.80	AVG			

\*:Maximum data x:Over limit !:over margin Operator: KK

File:TUV\Data:#815



**Products** 

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Test Report No.

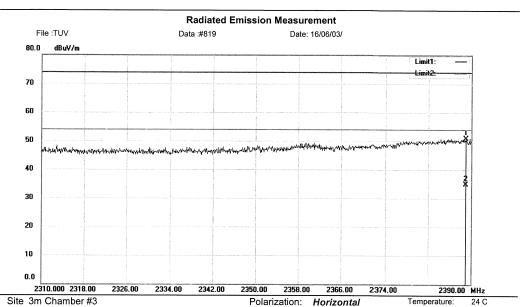
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Humidity:



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID

M/N: NS-P16AT08 Mode:11G 2412

Note:

No.	Mł	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2388.960	35.88	15.03	50.91	74.00	-23.09	peak			
2	*	2388.960	19.87	15.03	34.90	54.00	-19.10	AVG			

Power: AC 120V/60Hz

\*:Maximum data x:Over limit !:over margin Operator: KK

File:TUV\Data:#819 Page: 1



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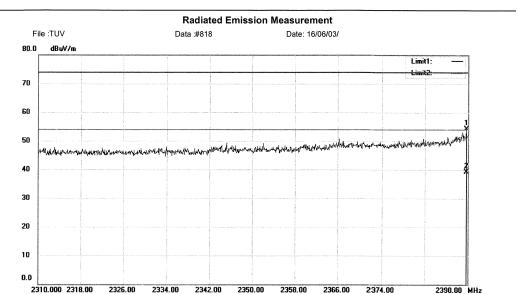


Temperature:

Humidity:

24 C

53 %



Polarization: Vertical
Power: AC 120V/60Hz

Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID

M/N: NS-P16AT08 Mode:11G 2412

Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2389.680	39.35	15.03	54.38	74.00	-19.62	peak			
2	*	2389.680	24.37	15.03	39.40	54.00	-14.60	AVG			

\*:Maximum data

x:Over limit !:over margin

margin

Operator: KK

File :TUV\Data :#818



**Products** 

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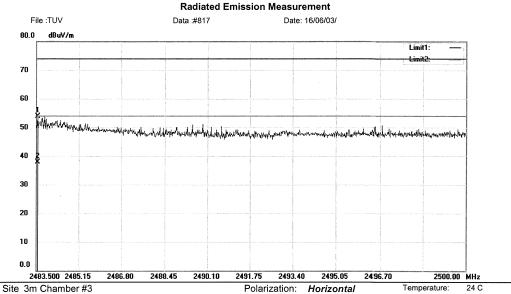
Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz



Humidity:

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Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID M/N: NS-P16AT08 Mode:11G 2462

Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.550	38.05	15.80	53.85	74.00	-20.15	peak			***************************************
2	*	2483.550	22.20	15.80	38.00	54.00	-16.00	AVG			

\*:Maximum data x:Over limit !:over margin Operator: KK

File:TUV\Data:#817 Page: 1



**Products** 

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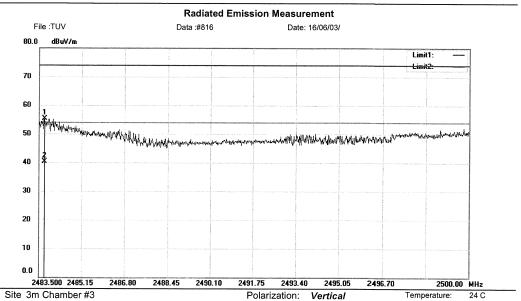
Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

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Humidity:



One of onamber #0

Limit: ( RE)FCC PART 15 C

EUT: MID

M/N: NS-P16AT08 Mode:11G 2462

Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.715	39.51	15.80	55.31	74.00	-18.69	peak			
2	*	2483.715	24.50	15.80	40.30	54.00	-13.70	AVG			

\*:Maximum data x:Over limit !:over margin Operator: KK

File :TUV\Data :#816



**Products** 

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Shenzhen EMTEK Co., Ltd.

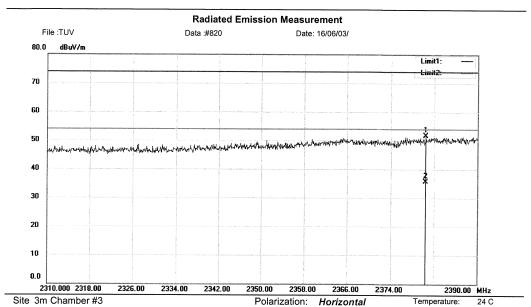
Power: AC 120V/60Hz

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Humidity:

Operator: KK



Limit: ( RE)FCC PART 15 C

EUT: MID M/N: NS-P16AT08 Mode:11N 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2380.480	36.76	14.96	51.72	74.00	-22.28	peak			
2	*	2380.480	20.84	14.96	35.80	54.00	-18.20	AVG		MANA	

\*:Maximum data x:Over limit !:over margin

File: TUV\Data:#820



**Products** 

Prüfbericht - Nr.: 5004

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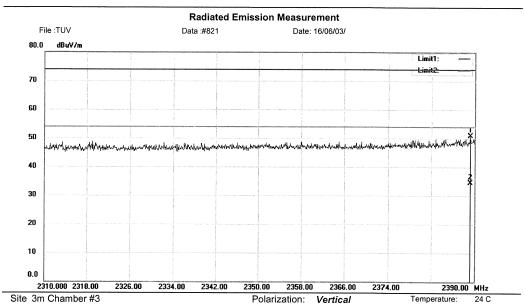
Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

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Humidity:



the strained we

Limit: ( RE)FCC PART 15 C

EUT: MID M/N: NS-P16AT08 Mode:11N 2412

Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2389.200	35.82	15.03	50.85	74.00	-23.15	peak			
2	*	2389.200	19.57	15.03	34.60	54.00	-19.40	AVG			

\*:Maximum data x:Over limit !:over margin Operator: KK

File :TUV\Data :#821 Page: 1



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Shenzhen EMTEK Co., Ltd.

Polarization: Horizontal

Power: AC 120V/60Hz

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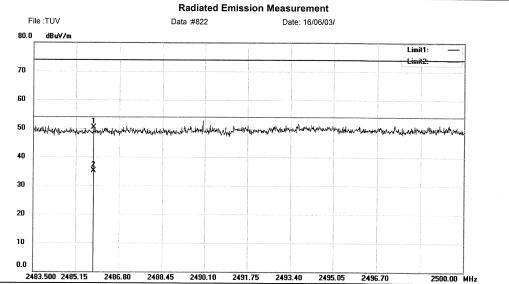


Temperature:

Humidity:

24 C

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID

M/N: NS-P16AT08 Mode:11N 2462

Note:

No.	Mŀ	k. Fre	q.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height		
		MH	<u>z</u>	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2485.82	27	34.48	15.82	50.30	74.00	-23.70	peak			
2	*	2485.82	27	19.38	15.82	35.20	54.00	-18.80	AVG			

\*:Maximum data x:Over limit !:over margin Operator: KK

Page: 1

File :TUV\Data :#822



**Products** 

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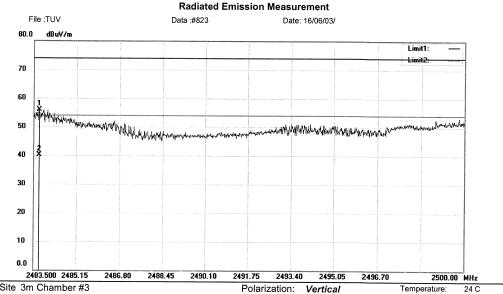
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53 %

Humidity:



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 C

EUT: MID M/N: NS-P16AT08

2483.715

24.40

15.80

40.20

Mode: 11N 2462

Note:

Correct Measure-Reading Antenna Table No. Mk. Freq. Limit Over Level Factor ment Height Degree dB MHz dBuV dBuV/m dBuV/m dB Detector Comment 2483.715 40.01 15.80 55.81 74.00 -18.19 peak

54.00 -13.80

Power: AC 120V/60Hz

AVG

\*:Maximum data x:Over limit !:over margin Operator: KK

Page: 1

File :TUV\Data :#823



**Products** 

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#### 5.1.7 Conducted emissions

**RESULT: Pass** 

Date of testing 2016-06-03 Test standard FCC Part 15.207

RSS-Gen Clause 8.8

Basic standard ANSI C63.10: 2013 Frequency range 0.15 - 30MHzFCC Part 15.207 Limits

Table 3 of RSS-Gen

Kind of test site : Shield room

**Test setup** 

Operation Mode :
Earthing AC 120V, 60Hz

Not Connected

Ambient temperature : Relative humidity **22**℃ 55% Atmospheric pressure : 101kPa

For details refer to following test plot.



**Products** 

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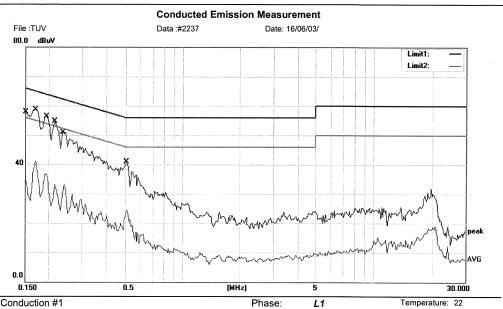
Shenzhen EMTEK Co., Ltd.

Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P.R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

55 %



Power: AC120V/60Hz

Site Conduction #1

Limit: (CE)FCC PART 15 class B\_QP

EUT: MID M/N: NS-P16AT08 Mode: WIFI Note:

Reading Correct Measure-No. Mk. Freq. Limit Over Level Factor ment MHz dBuV dB dBuV dBuV dB Detector Comment 0.1500 57.87 0.00 57.87 66.00 -8.13 QP 2 0.1500 35.98 0.00 35.98 56.00 -20.02 AVG 3 0.1700 58.77 0.00 58.77 64.96 -6.19 QP 4 0.1700 41.07 0.00 41.07 54.96 -13.89 AVG 0.1950 56.39 0.00 56.39 QP 5 63.82 -7.43 6 0.1950 36.74 0.00 36.74 53.82 -17.08 AVG 0.2150 7 54.70 0.00 54.70 63.01 -8.31 QΡ 8 0.2150 33.06 0.00 33.06 53.01 -19.95 AVG 0.2366 50.99 0.00 50.99 62.21 -11.22 ΩP 9 10 0.2366 33.36 0.00 33.36 52.21 -18.85 AVG 11 0.5100 40.99 0.00 40.99 56.00 -15.01 QP 12 0.5100 24.40 0.00 24.40 46.00 -21.60 AVG

\*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: CSL

File: TUV\Data:#2237 Page: 1



**Products** 

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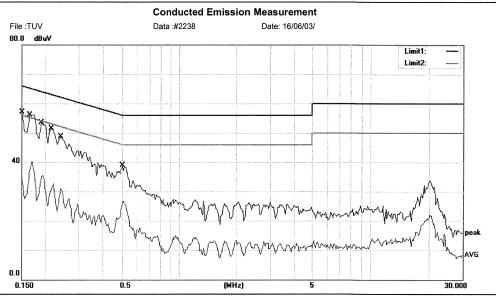
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Site Conduction #1

Limit: (CE)FCC PART 15 class B\_QP

EUT: MID

M/N: NS-P16AT08 Mode: WIFI Note: Phase: N Temperature: 22
Power: AC120V/60Hz Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1500	57.05	0.00	57.05	66.00	-8.95	QP	
2		0.1500	35.30	0.00	35.30	56.00	-20.70	AVG	
3		0.1650	56.11	0.00	56.11	65.21	-9.10	QP	
4		0.1650	40.25	0.00	40.25	55.21	-14.96	AVG	
5		0.1900	53.60	0.00	53.60	64.04	-10.44	QP	
6		0.1900	35.57	0.00	35.57	54.04	-18.47	AVG	
7		0.2150	51.60	0.00	51.60	63.01	-11.41	QP	
8		0.2150	32.75	0.00	32.75	53.01	-20.26	AVG	
9		0.2400	48.77	0.00	48.77	62.10	-13.33	QP	
10		0.2400	31.17	0.00	31.17	52.10	-20.93	AVG	
11		0.5050	39.00	0.00	39.00	56.00	-17.00	QP	
12		0.5050	26.78	0.00	26.78	46.00	-19.22	AVG	

\*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: CSL

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#### Produkte **Products**

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