

Prüfbericht - Nr.:

16059572 001

Test Report No.

Seite 47 von 62

Page 47 of 62

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24P
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Mid channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1

Frequency Range:

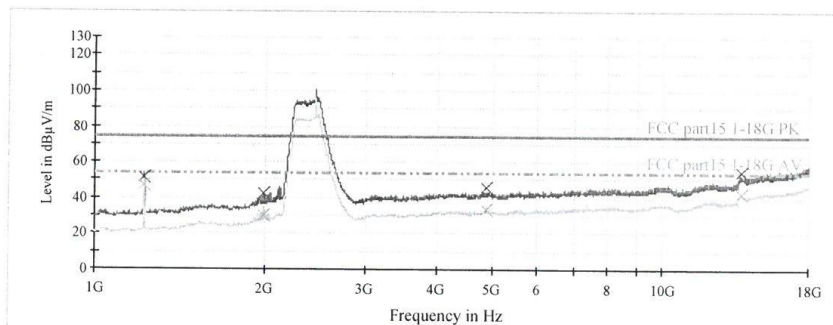
1GHz-18GHz

Receiver:

TUV FSP30

Transducer:

TUV SAC HF907/ TUV FSP30-TUV SAC HF907



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/)
1223.000000	51.6	1000.0	1000.000	H	-14.5	22.4	74.0
1988.000000	42.8	1000.0	1000.000	H	-8.6	31.2	74.0
4895.000000	45.7	1000.0	1000.000	H	-3.5	28.3	74.0
13720.000000	55.1	1000.0	1000.000	H	4.4	18.9	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/)
1223.000000	47.1	1000.0	1000.000	H	-14.5	6.9	54.0
1988.000000	29.8	1000.0	1000.000	H	-8.6	24.2	54.0
4895.000000	33.5	1000.0	1000.000	H	-3.5	20.5	54.0
13720.000000	42.3	1000.0	1000.000	H	4.4	11.7	54.0

Date: 4/23/2014 - Time: 7:17:17

Tested by: _____ Reviewed by: _____



Prüfbericht - Nr.:

16059572 001

Test Report No.

Seite 48 von 62

Page 48 of 62

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24P
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Mid channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1

Frequency Range:

1GHz-18GHz

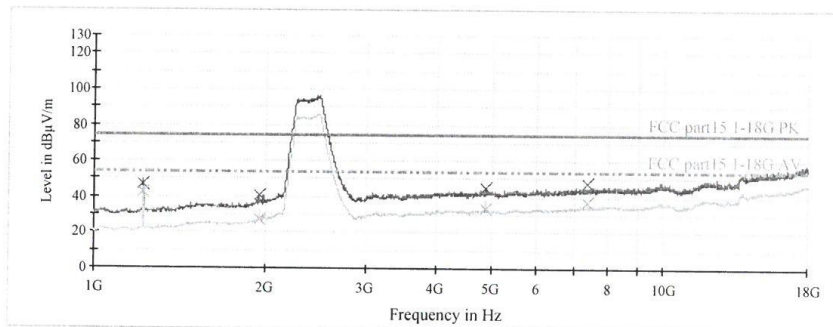
Receiver:

TUV FSP30

Transducer:

TUV SAC HF907/ TUV FSP30-TUV SAC HF907

Pre TUV I to 18G HF907



Limit and Margin PK

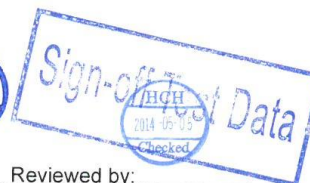
Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBμV/m)
1223.000000	46.9	1000.0	1000.000	V	-14.5	27.1	74.0
1941.000000	40.6	1000.0	1000.000	V	-9.8	33.4	74.0
4895.000000	45.4	1000.0	1000.000	V	-3.5	28.6	74.0
7343.000000	47.6	1000.0	1000.000	V	-0.3	26.4	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBμV/m)
1223.000000	42.1	1000.0	1000.000	V	-14.5	11.9	54.0
1941.000000	27.1	1000.0	1000.000	V	-9.8	26.9	54.0
4895.000000	33.7	1000.0	1000.000	V	-3.5	20.3	54.0
7343.000000	37.3	1000.0	1000.000	V	-0.3	16.7	54.0

Date: 4/23/2014 - Time: 7:05:49

Tested by: _____ Reviewed by: _____



Prüfbericht - Nr.:

16059572 001

Test Report No.

Seite 49 von 62

Page 49 of 62

TUV Rheinland (Guangdong) Ltd.

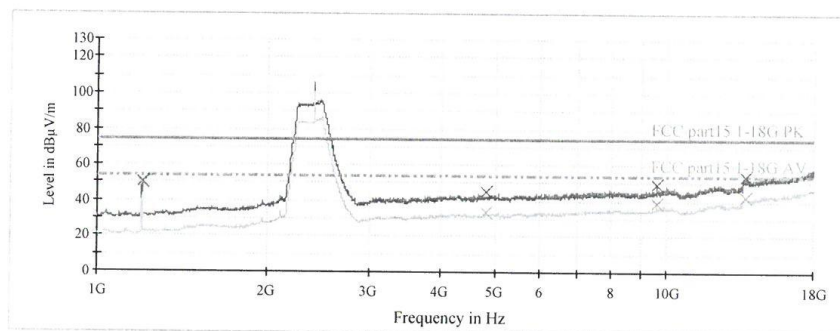
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24P
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Low channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1
Frequency Range: 1GHz-18GHz
Receiver: TUV FSP30
Transducer: TUV SAC HF907/ TUV FSP30-TUV SAC HF907



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/)
1202.000000	50.6	1000.0	1000.000	H	-14.5	23.4	74.0
4808.000000	45.1	1000.0	1000.000	H	-3.7	28.9	74.0
9615.000000	49.2	1000.0	1000.000	H	4.2	24.8	74.0
13720.000000	53.8	1000.0	1000.000	H	4.4	20.2	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/)
1202.000000	49.3	1000.0	1000.000	H	-14.5	4.7	54.0
4808.000000	33.7	1000.0	1000.000	H	-3.7	20.3	54.0
9615.000000	38.9	1000.0	1000.000	H	4.2	15.1	54.0
13720.000000	42.2	1000.0	1000.000	H	4.4	11.8	54.0

Date: 4/23/2014 - Time: 8:29:20

Tested by:  Reviewed by: 

Prüfbericht - Nr.:

16059572 001

Test Report No.

Seite 50 von 62

Page 50 of 62

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

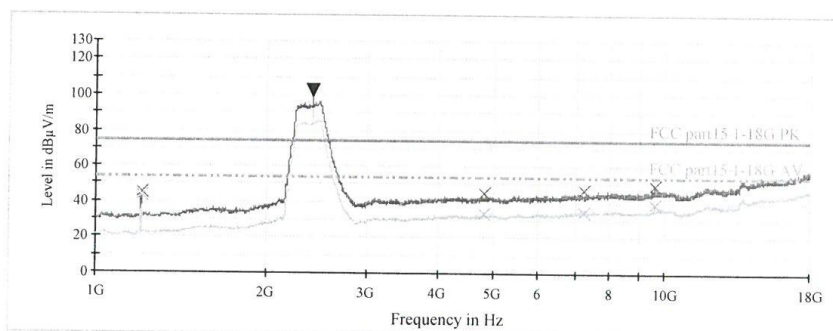
Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24P
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Low channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1

Frequency Range: 1GHz-18GHz

Receiver: TUV FSP30

Transducer: TUV SAC HF907/ TUV FSP30-TUV SAC HF907



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)/
1202.000000	45.5	1000.0	1000.000	V	-14.5	28.5	74.0
4808.000000	45.1	1000.0	1000.000	V	-3.7	28.9	74.0
7211.000000	46.7	1000.0	1000.000	V	0.1	27.3	74.0
9615.000000	49.9	1000.0	1000.000	V	4.2	24.1	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)/
1202.000000	43.3	1000.0	1000.000	V	-14.5	10.7	54.0
4808.000000	33.2	1000.0	1000.000	V	-3.7	20.8	54.0
7211.000000	34.2	1000.0	1000.000	V	0.1	19.8	54.0
9615.000000	38.8	1000.0	1000.000	V	4.2	15.2	54.0

Date: 4/23/2014 - Time: 8:25:45

Tested by: _____ Reviewed by: _____



Prüfbericht - Nr.:

16059572 001

Seite 51 von 62

Test Report No.

Page 51 of 62

TUV Rheinland (Guangdong) Ltd.

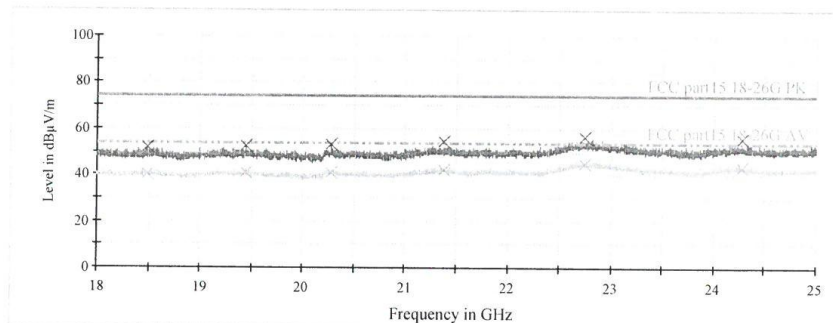
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24H
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ High channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1
Frequency Range: 18GHz-25GHz
Receiver: TUV FSP30
Transducer: TUV SAC 3160-09/ TUV FSP30-TUV SAC 3160-09



Limit and Margin PK

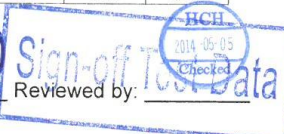
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/)
18489.000000	51.9	1000.0	1000.000	H	4.3	22.1	74.0
19438.000000	52.7	1000.0	1000.000	H	4.9	21.3	74.0
20275.000000	52.8	1000.0	1000.000	H	4.8	21.2	74.0
21383.000000	54.2	1000.0	1000.000	H	6.0	19.8	74.0
22743.000000	56.7	1000.0	1000.000	H	9.0	17.3	74.0
24274.000000	55.5	1000.0	1000.000	H	5.9	18.5	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/)
18489.000000	40.2	1000.0	1000.000	H	4.3	13.8	54.0
19438.000000	40.5	1000.0	1000.000	H	4.9	13.5	54.0
20275.000000	40.9	1000.0	1000.000	H	4.8	13.1	54.0
21383.000000	41.9	1000.0	1000.000	H	6.0	12.1	54.0
22743.000000	44.6	1000.0	1000.000	H	9.0	9.4	54.0
24274.000000	43.2	1000.0	1000.000	H	5.9	10.8	54.0

Date: 4/24/2014 - Time: 2:12:53

Tested by:



Prüfbericht - Nr.:

16059572 001

Test Report No.

Seite 52 von 62

Page 52 of 62

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24H
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ High channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1

Frequency Range:

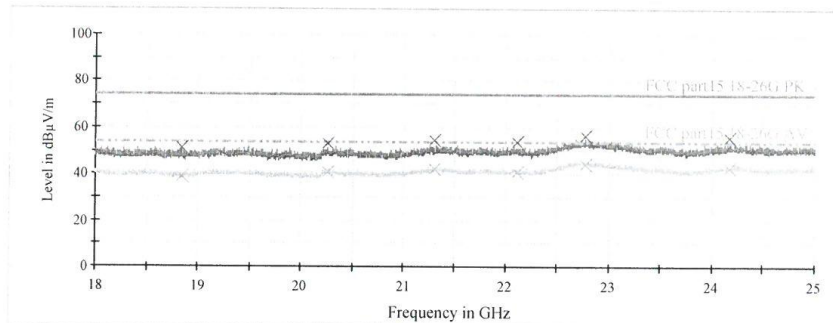
18GHz-25GHz

Receiver:

TUV FSP30

Transducer:

TUV SAC 3160-09/ TUV FSP30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18844.000000	50.9	1000.0	1000.000	V	4.7	23.1	74.0
20260.000000	53.0	1000.0	1000.000	V	4.8	21	74.0
21303.000000	54.5	1000.0	1000.000	V	5.9	19.5	74.0
22111.000000	53.7	1000.0	1000.000	V	6.9	20.3	74.0
22781.000000	56.6	1000.0	1000.000	V	8.9	17.4	74.0
24172.000000	55.7	1000.0	1000.000	V	5.9	18.3	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18844.000000	39.1	1000.0	1000.000	V	4.7	14.9	54.0
20260.000000	40.9	1000.0	1000.000	V	4.8	13.1	54.0
21303.000000	41.8	1000.0	1000.000	V	5.9	12.2	54.0
22111.000000	41.1	1000.0	1000.000	V	6.9	12.9	54.0
22781.000000	44.6	1000.0	1000.000	V	8.9	9.4	54.0
24172.000000	43.1	1000.0	1000.000	V	5.9	10.9	54.0

Date: 4/24/2014 - Time: 2:17:37

Tested by:



Reviewed by:

Prüfbericht - Nr.:

16059572 001

Seite 53 von 62

Test Report No.

Page 53 of 62

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24H
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Mid channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1

Frequency Range:

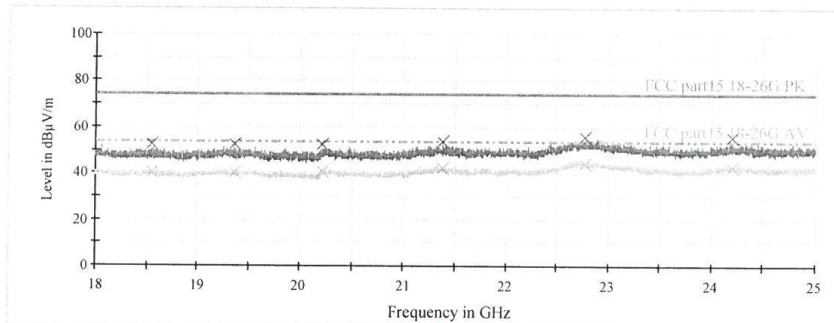
18GHz-25GHz

Receiver:

TUV FSP30

Transducer:

TUV SAC 3160-09/ TUV FSP30-TUV SAC 3160-09



Limit and Margin PK

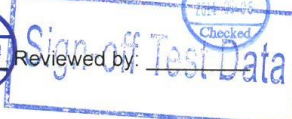
Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBμV/m)
18545.000000	52.1	1000.0	1000.000	H	4.3	21.9	74.0
19362.000000	52.5	1000.0	1000.000	H	4.9	21.5	74.0
20212.000000	52.4	1000.0	1000.000	H	4.8	21.6	74.0
21375.000000	53.6	1000.0	1000.000	H	6.0	20.4	74.0
22773.000000	56.1	1000.0	1000.000	H	8.9	17.9	74.0
24198.000000	55.9	1000.0	1000.000	H	6.0	18.1	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBμV/m)
18545.000000	40.4	1000.0	1000.000	H	4.3	13.6	54.0
19362.000000	40.1	1000.0	1000.000	H	4.9	13.9	54.0
20212.000000	40.6	1000.0	1000.000	H	4.8	13.4	54.0
21375.000000	41.9	1000.0	1000.000	H	6.0	12.1	54.0
22773.000000	44.4	1000.0	1000.000	H	8.9	9.6	54.0
24198.000000	43.0	1000.0	1000.000	H	6.0	11.0	54.0

Date: 4/24/2014 - Time: 2:09:47

Tested by:



Prüfbericht - Nr.:

16059572 001

Seite 54 von 62

Test Report No.

Page 54 of 62

TUV Rheinland (Guangdong) Ltd.

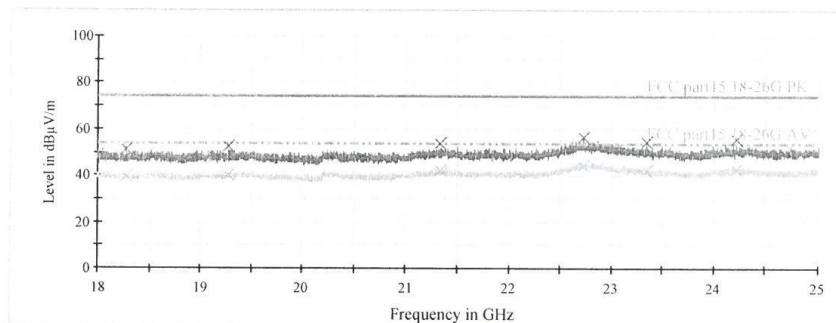
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24H
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Mid channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1
Frequency Range: 18GHz-25GHz
Receiver: TUV FSP30
Transducer: TUV SAC 3160-09/ TUV FSP30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBμV/)
18277.000000	51.1	1000.0	1000.000	V	4.0	22.9	74.0
19278.000000	52.0	1000.0	1000.000	V	5.0	22.0	74.0
21329.000000	53.9	1000.0	1000.000	V	6.0	20.1	74.0
22732.000000	56.7	1000.0	1000.000	V	9.0	17.3	74.0
23343.000000	54.3	1000.0	1000.000	V	6.7	19.7	74.0
24220.000000	55.9	1000.0	1000.000	V	5.9	18.1	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBμV/)
18277.000000	39.8	1000.0	1000.000	V	4.0	14.2	54.0
19278.000000	40.2	1000.0	1000.000	V	5.0	13.8	54.0
21329.000000	42.0	1000.0	1000.000	V	6.0	12.0	54.0
22732.000000	44.4	1000.0	1000.000	V	9.0	9.6	54.0
23343.000000	42.2	1000.0	1000.000	V	6.7	11.8	54.0
24220.000000	43.1	1000.0	1000.000	V	5.9	10.9	54.0

Date: 4/24/2014 - Time: 2:07:28

Tested by:  2014-05-04

Reviewed by:  2014-05-05

Signature Data

Prüfbericht - Nr.:

16059572 001

Seite 55 von 62

Test Report No.

Page 55 of 62

TUV Rheinland (Guangdong) Ltd.

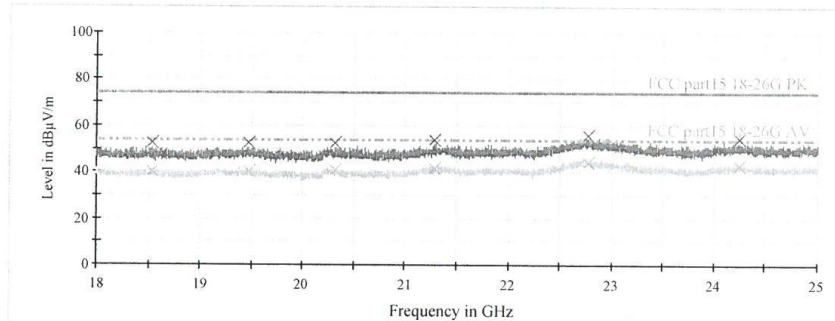
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24H
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Low channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1
Frequency Range: 18GHz-25GHz
Receiver: TUV FSP30
Transducer: TUV SAC 3160-09/ TUV FSP30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBμV/m)
18535.000000	52.2	1000.0	1000.000	H	4.3	21.8	74.0
19468.000000	52.6	1000.0	1000.000	H	4.9	21.4	74.0
20315.000000	52.4	1000.0	1000.000	H	4.8	21.6	74.0
21292.000000	54.0	1000.0	1000.000	H	5.9	20.0	74.0
22772.000000	55.8	1000.0	1000.000	H	8.9	18.2	74.0
24245.000000	54.7	1000.0	1000.000	H	5.9	19.3	74.0

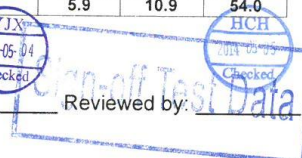
Limit and Margin AV

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBμV/m)
18535.000000	40.2	1000.0	1000.000	H	4.3	13.8	54.0
19468.000000	40.4	1000.0	1000.000	H	4.9	13.6	54.0
20315.000000	40.6	1000.0	1000.000	H	4.8	13.4	54.0
21292.000000	41.8	1000.0	1000.000	H	5.9	12.2	54.0
22772.000000	44.3	1000.0	1000.000	H	8.9	9.7	54.0
24245.000000	43.1	1000.0	1000.000	H	5.9	10.9	54.0

Date: 4/24/2014 - Time: 2:27:55

Tested by:

Reviewed by:



Prüfbericht - Nr.:

16059572 001

Test Report No.

Seite 56 von 62

Page 56 of 62

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24H
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Low channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1

Frequency Range:

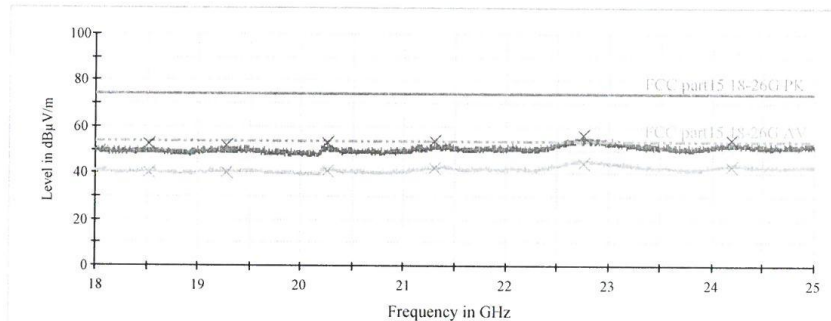
18GHz-25GHz

Receiver:

TUV FSP30

Transducer:

TUV SAC 3160-09/ TUV FSP30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV)
18515.000000	52.3	1000.0	1000.000	V	4.3	21.7	74.0
19267.000000	51.9	1000.0	1000.000	V	5.0	22.1	74.0
20263.000000	53.1	1000.0	1000.000	V	4.8	20.9	74.0
21306.000000	53.8	1000.0	1000.000	V	5.9	20.2	74.0
22764.000000	56.5	1000.0	1000.000	V	8.9	17.5	74.0
24185.000000	54.5	1000.0	1000.000	V	6.0	19.5	74.0

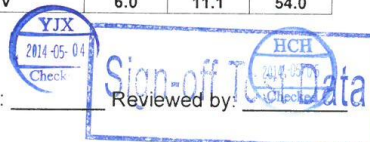
Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV)
18515.000000	40.2	1000.0	1000.000	V	4.3	13.8	54.0
19267.000000	40.2	1000.0	1000.000	V	5.0	13.8	54.0
20263.000000	40.8	1000.0	1000.000	V	4.8	13.2	54.0
21306.000000	42.0	1000.0	1000.000	V	5.9	12.0	54.0
22764.000000	44.3	1000.0	1000.000	V	8.9	9.7	54.0
24185.000000	42.9	1000.0	1000.000	V	6.0	11.1	54.0

Date: 4/24/2014 - Time: 2:24:22

Tested by:

Reviewed by:



Prüfbericht - Nr.:

16059572 001

Test Report No.

Seite 57 von 62

Page 57 of 62

TUV Rheinland (Guangdong) Ltd.

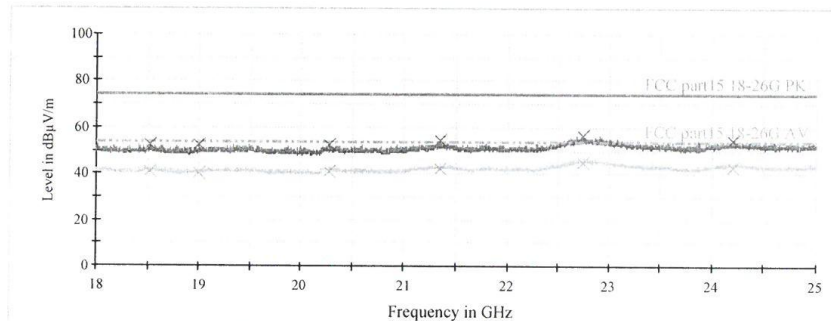
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24P
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ High channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1
Frequency Range: 18GHz-25GHz
Receiver: TUV FSP30
Transducer: TUV SAC 3160-09/ TUV FSP30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBμV/m)
18522.000000	52.6	1000.0	1000.000	H	4.3	21.4	74.0
18999.000000	52.2	1000.0	1000.000	H	4.7	21.8	74.0
20272.000000	52.7	1000.0	1000.000	H	4.8	21.3	74.0
21343.000000	54.6	1000.0	1000.000	H	6.0	19.5	74.0
22737.000000	56.3	1000.0	1000.000	H	9.0	17.7	74.0
24201.000000	54.8	1000.0	1000.000	H	6.0	19.2	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBμV/m)
18522.000000	40.6	1000.0	1000.000	H	4.3	13.4	54.0
18999.000000	40.0	1000.0	1000.000	H	4.7	14.0	54.0
20272.000000	41.0	1000.0	1000.000	H	4.8	13.0	54.0
21343.000000	42.4	1000.0	1000.000	H	6.0	11.6	54.0
22737.000000	44.7	1000.0	1000.000	H	9.0	9.3	54.0
24201.000000	43.0	1000.0	1000.000	H	6.0	11.0	54.0

Date: 4/24/2014 - Time: 1:41:32

Tested by:



Prüfbericht - Nr.:

16059572 001

Seite 58 von 62

Test Report No.

Page 58 of 62

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24P
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ High channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1

Frequency Range:

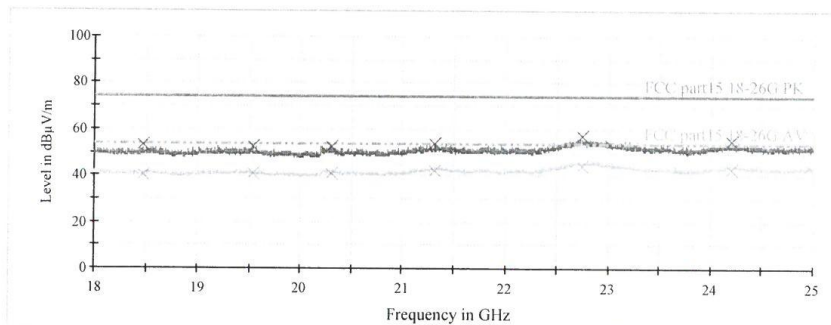
18GHz-25GHz

Receiver:

TUV FSP30

Transducer:

TUV SAC 3160-09/ TUV FSP30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBμV/m)
18479.000000	53.0	1000.0	1000.000	V	4.3	21.0	74.0
19530.000000	52.7	1000.0	1000.000	V	4.8	21.4	74.0
20302.000000	52.7	1000.0	1000.000	V	4.8	21.3	74.0
21314.000000	54.0	1000.0	1000.000	V	5.9	20.0	74.0
22744.000000	56.8	1000.0	1000.000	V	9.0	17.2	74.0
24199.000000	55.1	1000.0	1000.000	V	6.0	18.9	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBμV/m)
18479.000000	40.3	1000.0	1000.000	V	4.3	13.7	54.0
19530.000000	40.5	1000.0	1000.000	V	4.8	13.5	54.0
20302.000000	40.6	1000.0	1000.000	V	4.8	13.4	54.0
21314.000000	42.1	1000.0	1000.000	V	5.9	11.9	54.0
22744.000000	44.5	1000.0	1000.000	V	9.0	9.5	54.0
24199.000000	43.1	1000.0	1000.000	V	6.0	10.9	54.0

Date: 4/24/2014 - Time: 1:46:06

Tested by:

Reviewed by:



Sign-off Test Data

Prüfbericht - Nr.:

16059572 001

Seite 59 von 62

Test Report No.

Page 59 of 62

TUV Rheinland (Guangdong) Ltd.

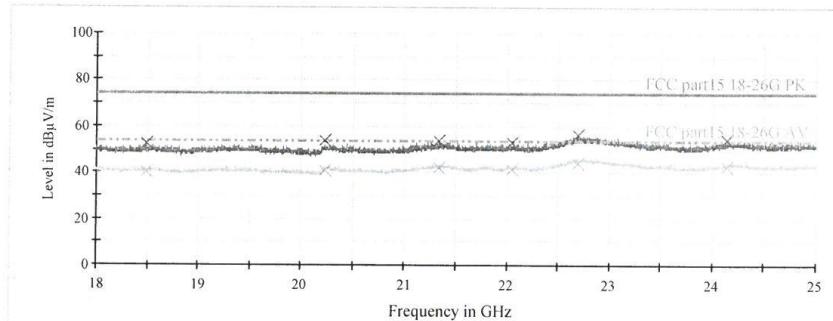
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24P
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Mid channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1
Frequency Range: 18GHz-25GHz
Receiver: TUV FSP30
Transducer: TUV SAC 3160-09/ TUV FSP30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/)
18494.000000	52.3	1000.0	1000.000	H	4.3	21.7	74.0
20227.000000	53.5	1000.0	1000.000	H	4.8	20.5	74.0
21330.000000	53.9	1000.0	1000.000	H	6.0	20.1	74.0
22055.000000	53.2	1000.0	1000.000	H	6.7	20.8	74.0
22692.000000	56.4	1000.0	1000.000	H	9.1	17.6	74.0
24147.000000	54.2	1000.0	1000.000	H	5.9	19.8	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/)
18494.000000	40.1	1000.0	1000.000	H	4.3	13.9	54.0
20227.000000	40.9	1000.0	1000.000	H	4.8	13.1	54.0
21330.000000	42.1	1000.0	1000.000	H	6.0	11.9	54.0
22055.000000	41.3	1000.0	1000.000	H	6.7	12.7	54.0
22692.000000	44.3	1000.0	1000.000	H	9.1	9.7	54.0
24147.000000	42.7	1000.0	1000.000	H	5.9	11.3	54.0

Date: 4/24/2014 - Time: 1:55:03

Tested by:

Reviewed by:



Sign-off Test Data

Prüfbericht - Nr.:

16059572 001

Test Report No.

Seite 60 von 62

Page 60 of 62

TUV Rheinland (Guangdong) Ltd.

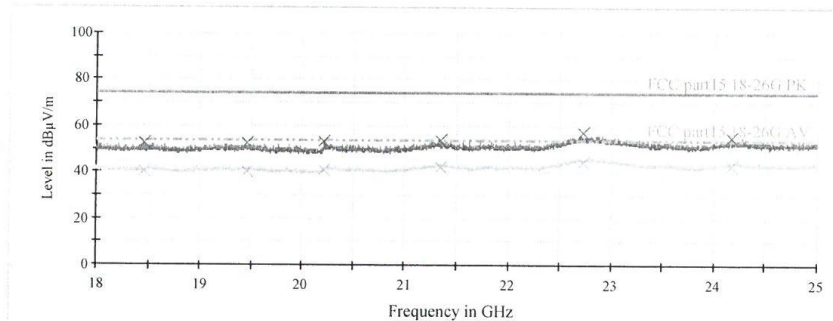
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24P
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Mid channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1
Frequency Range: 18GHz-25GHz
Receiver: TUV FSP30
Transducer: TUV SAC 3160-09/ TUV FSP30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/)
18463.000000	52.3	1000.0	1000.000	V	4.2	21.7	74.0
19456.000000	52.6	1000.0	1000.000	V	4.9	21.4	74.0
20208.000000	53.0	1000.0	1000.000	V	4.7	21.0	74.0
21351.000000	53.8	1000.0	1000.000	V	6.0	20.2	74.0
22733.000000	57.3	1000.0	1000.000	V	9.0	16.7	74.0
24178.000000	55.0	1000.0	1000.000	V	6.0	19.0	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/)
18463.000000	40.3	1000.0	1000.000	V	4.2	13.7	54.0
19456.000000	40.4	1000.0	1000.000	V	4.9	13.6	54.0
20208.000000	40.9	1000.0	1000.000	V	4.7	13.1	54.0
21351.000000	42.0	1000.0	1000.000	V	6.0	12.0	54.0
22733.000000	44.5	1000.0	1000.000	V	9.0	9.5	54.0
24178.000000	43.1	1000.0	1000.000	V	6.0	10.9	54.0

Date: 4/24/2014 - Time: 1:50:29

Tested by:

Reviewed by:



Sign off Test Data

Prüfbericht - Nr.:

16059572 001

Seite 61 von 62

Test Report No.

Page 61 of 62

TUV Rheinland (Guangdong) Ltd.

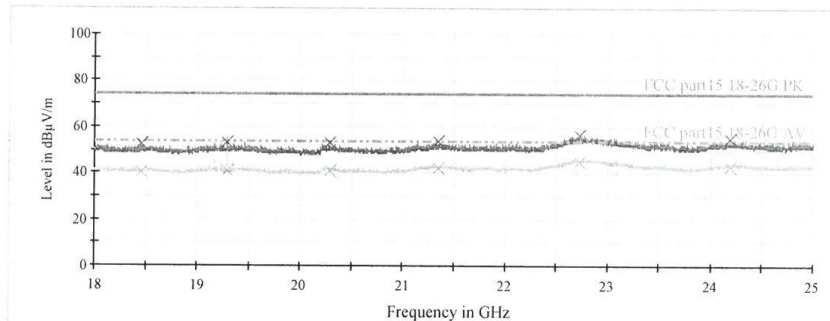
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24P
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Low channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1
Frequency Range: 18GHz-25GHz
Receiver: TUV FSP30
Transducer: TUV SAC 3160-09/ TUV FSP30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18453.000000	52.2	1000.0	1000.000	H	4.2	21.8	74.0
19291.000000	52.7	1000.0	1000.000	H	5.0	21.3	74.0
20290.000000	53.2	1000.0	1000.000	H	4.8	20.8	74.0
21343.000000	53.7	1000.0	1000.000	H	6.0	20.3	74.0
22732.000000	56.1	1000.0	1000.000	H	9.0	17.9	74.0
24191.000000	55.0	1000.0	1000.000	H	6.0	19.0	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18453.000000	40.1	1000.0	1000.000	H	4.2	13.9	54.0
19291.000000	40.9	1000.0	1000.000	H	5.0	13.1	54.0
20290.000000	40.9	1000.0	1000.000	H	4.8	13.1	54.0
21343.000000	41.8	1000.0	1000.000	H	6.0	12.2	54.0
22732.000000	44.6	1000.0	1000.000	H	9.0	9.4	54.0
24191.000000	43.1	1000.0	1000.000	H	6.0	10.9	54.0

Date: 4/24/2014 - Time: 1:59:47

Tested by:



Prüfbericht - Nr.:

16059572 001

Test Report No.

Seite 62 von 62

Page 62 of 62

TUV Rheinland (Guangdong) Ltd.

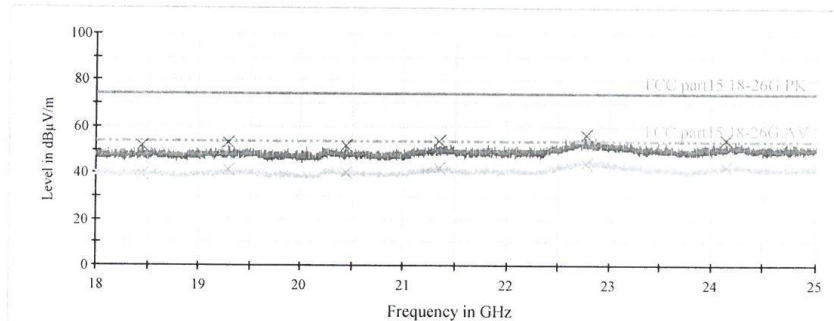
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer: Seikaku
Test Item: Wireless System
Identification: DW-24P
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Low channel
Climate Condition: 23°C ; 50 %RH; 101 kPa.
Test Voltage/ Freq: DC 3.0V
Receipt No: 174019548
Report No: 16059572 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1
Frequency Range: 18GHz-25GHz
Receiver: TUV FSP30
Transducer: TUV SAC 3160-09/ TUV FSP30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/)
18452.000000	51.7	1000.0	1000.000	V	4.2	22.3	74.0
19291.000000	53.0	1000.0	1000.000	V	5.0	21.0	74.0
20436.000000	52.0	1000.0	1000.000	V	4.6	22.0	74.0
21339.000000	53.9	1000.0	1000.000	V	6.0	20.1	74.0
22779.000000	56.5	1000.0	1000.000	V	8.9	17.5	74.0
24146.000000	54.7	1000.0	1000.000	V	5.9	19.3	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/)
18452.000000	39.8	1000.0	1000.000	V	4.2	14.2	54.0
19291.000000	41.3	1000.0	1000.000	V	5.0	12.7	54.0
20436.000000	40.1	1000.0	1000.000	V	4.6	13.9	54.0
21339.000000	41.9	1000.0	1000.000	V	6.0	12.1	54.0
22779.000000	44.4	1000.0	1000.000	V	8.9	9.6	54.0
24146.000000	42.9	1000.0	1000.000	V	5.9	11.1	54.0

Date: 4/24/2014 - Time: 2:03:52

Tested by:

Reviewed by:

