

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
3720.000000	45.3	1000.0	1000.000	V	-6.9	28.7	74.0
4920.000000	51.5	1000.0	1000.000	V	-4.7	22.5	74.0
7441.000000	51.7	1000.0	1000.000	V	-1.0	22.3	74.0
12401.000000	53.2	1000.0	1000.000	V	5.2	20.8	74.0
17220.000000	58.5	1000.0	1000.000	V	11.6	15.5	74.0
17851.000000	60.0	1000.0	1000.000	V	11.3	14.0	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
3720.000000	34.3	1000.0	1000.000	V	-6.9	19.7	54.0
4920.000000	43.8	1000.0	1000.000	V	-4.7	10.2	54.0
7441.000000	41.5	1000.0	1000.000	V	-1.0	12.5	54.0
12401.000000	44.9	1000.0	1000.000	V	5.2	9.1	54.0
17220.000000	45.1	1000.0	1000.000	V	11.6	8.9	54.0
17851.000000	45.6	1000.0	1000.000	V	11.3	8.4	54.0

Tested by:

Chris Liang

20190612

Reviewed by:

Jacky Chen

20190624

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

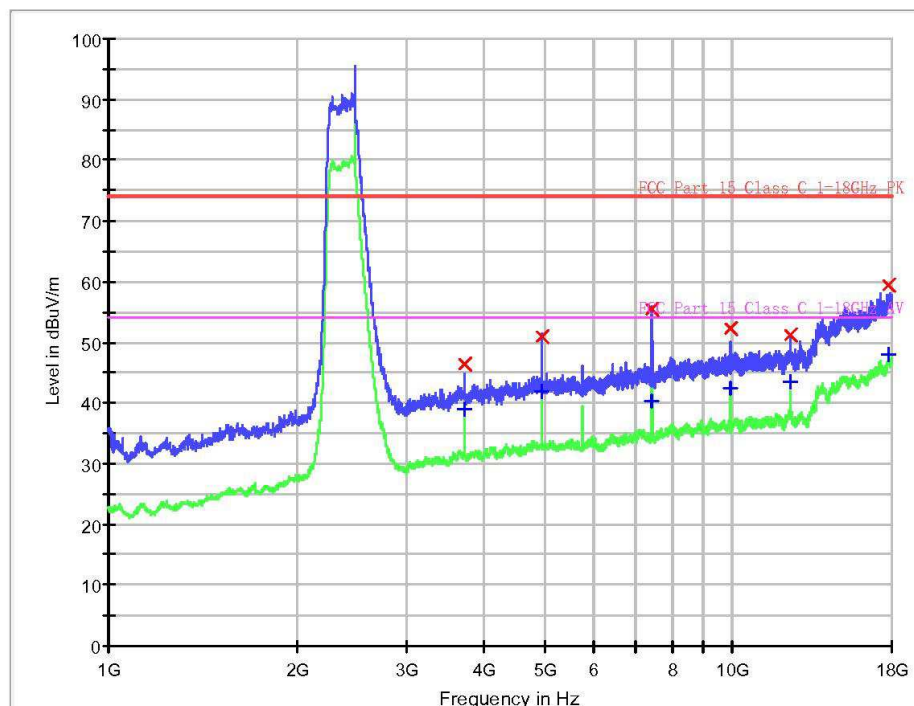
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11b-High)
Climate Condition:	20 °C, 50 %, 101 kPa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Horizontal

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



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Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
3720.000000	46.3	1000.0	1000.000	H	-6.9	27.7	74.0
4923.875000	51.0	1000.0	1000.000	H	-4.7	23.0	74.0
7441.000000	55.6	1000.0	1000.000	H	-1.0	18.4	74.0
9920.750000	52.2	1000.0	1000.000	H	3.5	21.8	74.0
12400.625000	51.2	1000.0	1000.000	H	5.2	22.8	74.0
17781.125000	59.4	1000.0	1000.000	H	11.4	14.7	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
3720.000000	38.7	1000.0	1000.000	H	-6.9	15.3	54.0
4923.875000	41.7	1000.0	1000.000	H	-4.7	12.3	54.0
7441.000000	40.4	1000.0	1000.000	H	-1.0	13.6	54.0
9920.750000	42.4	1000.0	1000.000	H	3.5	11.6	54.0
12400.625000	43.5	1000.0	1000.000	H	5.2	10.5	54.0
17781.125000	47.5	1000.0	1000.000	H	11.4	6.5	54.0

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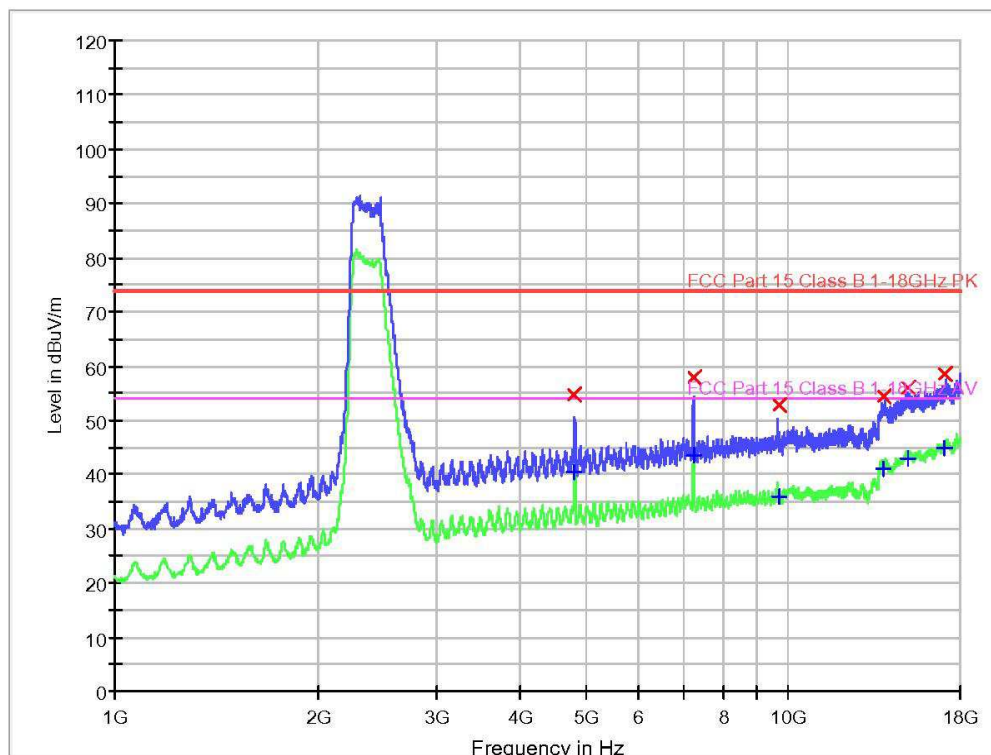
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11g-Low)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Vertical

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

EMCTT_ERE011-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



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Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
4821.000000	54.7	1000.0	1000.000	V	-4.7	19.3	74.0
7247.000000	57.9	1000.0	1000.000	V	-1.1	16.1	74.0
9710.000000	52.7	1000.0	1000.000	V	2.8	21.3	74.0
13854.000000	54.4	1000.0	1000.000	V	5.4	19.6	74.0
15089.000000	56.1	1000.0	1000.000	V	7.6	17.9	74.0
17107.000000	58.5	1000.0	1000.000	V	11.4	15.5	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
4821.000000	40.4	1000.0	1000.000	V	-4.7	13.6	54.0
7247.000000	43.5	1000.0	1000.000	V	-1.1	10.5	54.0
9710.000000	36.0	1000.0	1000.000	V	2.8	18.0	54.0
13854.000000	41.2	1000.0	1000.000	V	5.4	12.8	54.0
15089.000000	43.1	1000.0	1000.000	V	7.6	10.9	54.0
17107.000000	44.8	1000.0	1000.000	V	11.4	9.2	54.0

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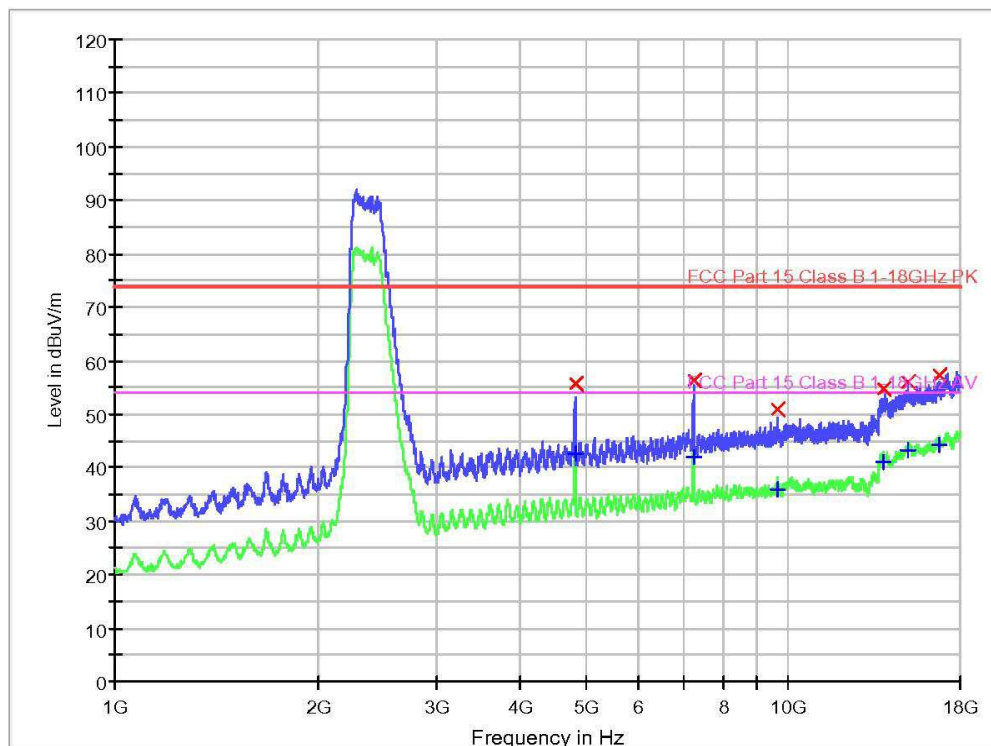
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11g-Low)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Horizontal

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



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Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
4825.000000	55.9	1000.0	1000.000	H	-4.7	18.2	74.0
7237.000000	56.2	1000.0	1000.000	H	-1.1	17.8	74.0
9636.000000	50.9	1000.0	1000.000	H	2.7	23.1	74.0
13890.000000	54.6	1000.0	1000.000	H	5.6	19.4	74.0
15072.000000	56.1	1000.0	1000.000	H	7.6	17.9	74.0
16765.000000	57.5	1000.0	1000.000	H	10.3	16.6	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
4825.000000	42.6	1000.0	1000.000	H	-4.7	11.4	54.0
7237.000000	42.1	1000.0	1000.000	H	-1.1	12.0	54.0
9636.000000	36.0	1000.0	1000.000	H	2.7	18.1	54.0
13890.000000	41.0	1000.0	1000.000	H	5.6	13.0	54.0
15072.000000	43.3	1000.0	1000.000	H	7.6	10.7	54.0
16765.000000	44.2	1000.0	1000.000	H	10.3	9.8	54.0

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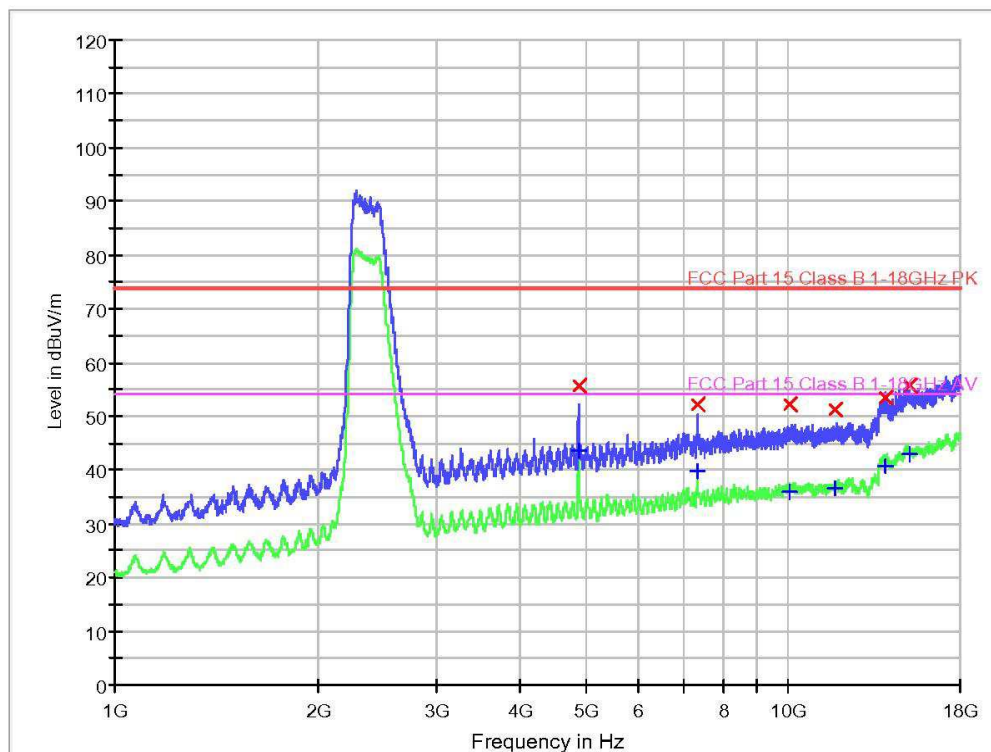
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11g-Middle)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Vertical

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



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Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
4882.000000	55.7	1000.0	1000.000	V	-4.4	18.3	74.0
7332.000000	52.2	1000.0	1000.000	V	-1.2	21.8	74.0
10033.000000	52.2	1000.0	1000.000	V	3.7	21.8	74.0
11701.000000	51.3	1000.0	1000.000	V	4.9	22.7	74.0
13909.000000	53.6	1000.0	1000.000	V	5.7	20.4	74.0
15178.000000	55.7	1000.0	1000.000	V	7.4	18.3	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
4882.000000	43.8	1000.0	1000.000	V	-4.4	10.3	54.0
7332.000000	39.7	1000.0	1000.000	V	-1.2	14.3	54.0
10033.000000	36.1	1000.0	1000.000	V	3.7	17.9	54.0
11701.000000	36.7	1000.0	1000.000	V	4.9	17.3	54.0
13909.000000	40.9	1000.0	1000.000	V	5.7	13.1	54.0
15178.000000	43.1	1000.0	1000.000	V	7.4	10.9	54.0

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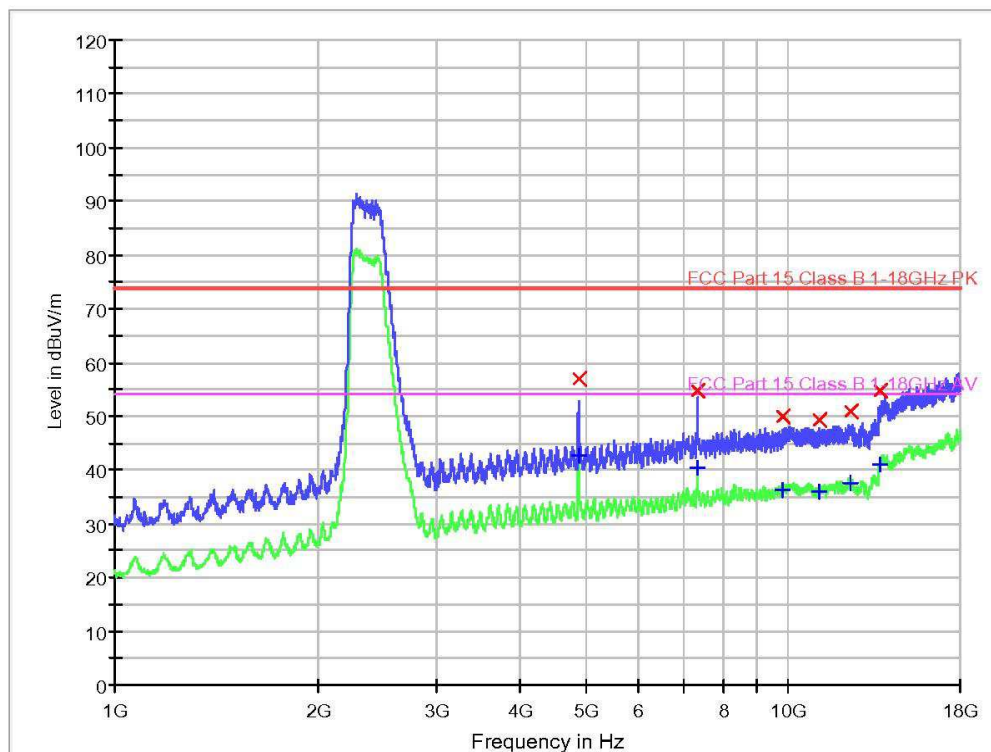
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11g-Middle)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Horizontal

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



Tested by: *Chris Liang*
20190612

Reviewed by: *Jacky Chen*
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Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
4884.000000	57.0	1000.0	1000.000	H	-4.4	17.0	74.0
7326.000000	54.8	1000.0	1000.000	H	-1.3	19.2	74.0
9842.000000	49.9	1000.0	1000.000	H	3.2	24.1	74.0
11098.000000	49.3	1000.0	1000.000	H	4.2	24.7	74.0
12360.000000	51.0	1000.0	1000.000	H	5.2	23.1	74.0
13710.000000	54.8	1000.0	1000.000	H	4.7	19.2	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
4884.000000	42.6	1000.0	1000.000	H	-4.4	11.4	54.0
7326.000000	40.6	1000.0	1000.000	H	-1.3	13.4	54.0
9842.000000	36.4	1000.0	1000.000	H	3.2	17.6	54.0
11098.000000	35.9	1000.0	1000.000	H	4.2	18.1	54.0
12360.000000	37.7	1000.0	1000.000	H	5.2	16.3	54.0
13710.000000	41.0	1000.0	1000.000	H	4.7	13.0	54.0

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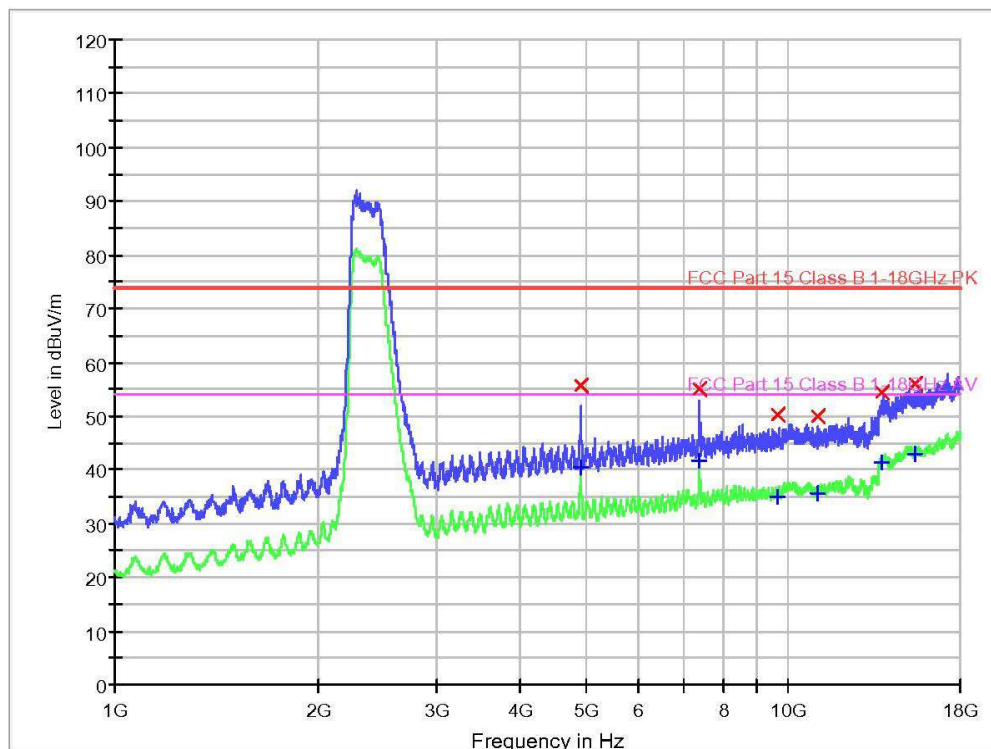
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11g-High)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Vertical

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



Tested by: *Chris Liang*
20190612

Reviewed by: *Jacky Chen*
20190624

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Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
4921.000000	55.8	1000.0	1000.000	V	-4.5	18.2	74.0
7388.000000	55.0	1000.0	1000.000	V	-1.0	19.0	74.0
9632.000000	50.2	1000.0	1000.000	V	2.7	23.8	74.0
11064.000000	49.8	1000.0	1000.000	V	4.1	24.2	74.0
13758.000000	54.5	1000.0	1000.000	V	5.0	19.6	74.0
15405.000000	56.0	1000.0	1000.000	V	7.6	18.0	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
4921.000000	40.3	1000.0	1000.000	V	-4.5	13.7	54.0
7388.000000	41.5	1000.0	1000.000	V	-1.0	12.5	54.0
9632.000000	35.1	1000.0	1000.000	V	2.7	18.9	54.0
11064.000000	35.7	1000.0	1000.000	V	4.1	18.3	54.0
13758.000000	41.3	1000.0	1000.000	V	5.0	12.7	54.0
15405.000000	42.9	1000.0	1000.000	V	7.6	11.1	54.0

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20190612

Reviewed by: *Jacky Chen*

20190624

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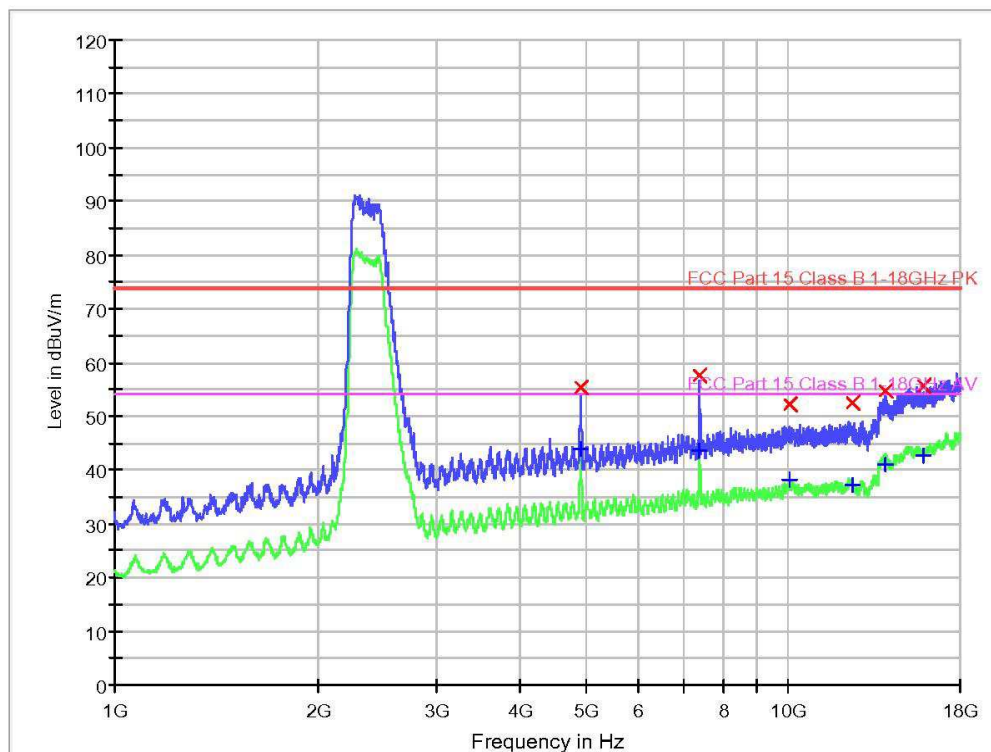
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11g-High)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Horizontal

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



Tested by: *Chris Liang*
20190612

Reviewed by: *Jacky Chen*
20190624

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Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
4916.000000	55.3	1000.0	1000.000	H	-4.5	18.7	74.0
7377.000000	57.5	1000.0	1000.000	H	-1.1	16.5	74.0
10031.000000	52.4	1000.0	1000.000	H	3.7	21.6	74.0
12469.000000	52.5	1000.0	1000.000	H	4.9	21.5	74.0
13935.000000	54.8	1000.0	1000.000	H	5.8	19.2	74.0
15856.000000	55.8	1000.0	1000.000	H	8.5	18.2	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
4916.000000	44.0	1000.0	1000.000	H	-4.5	10.0	54.0
7377.000000	43.6	1000.0	1000.000	H	-1.1	10.4	54.0
10031.000000	38.1	1000.0	1000.000	H	3.7	16.0	54.0
12469.000000	37.1	1000.0	1000.000	H	4.9	16.9	54.0
13935.000000	41.1	1000.0	1000.000	H	5.8	12.9	54.0
15856.000000	42.7	1000.0	1000.000	H	8.5	11.3	54.0

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Reviewed by:

Jacky Chen

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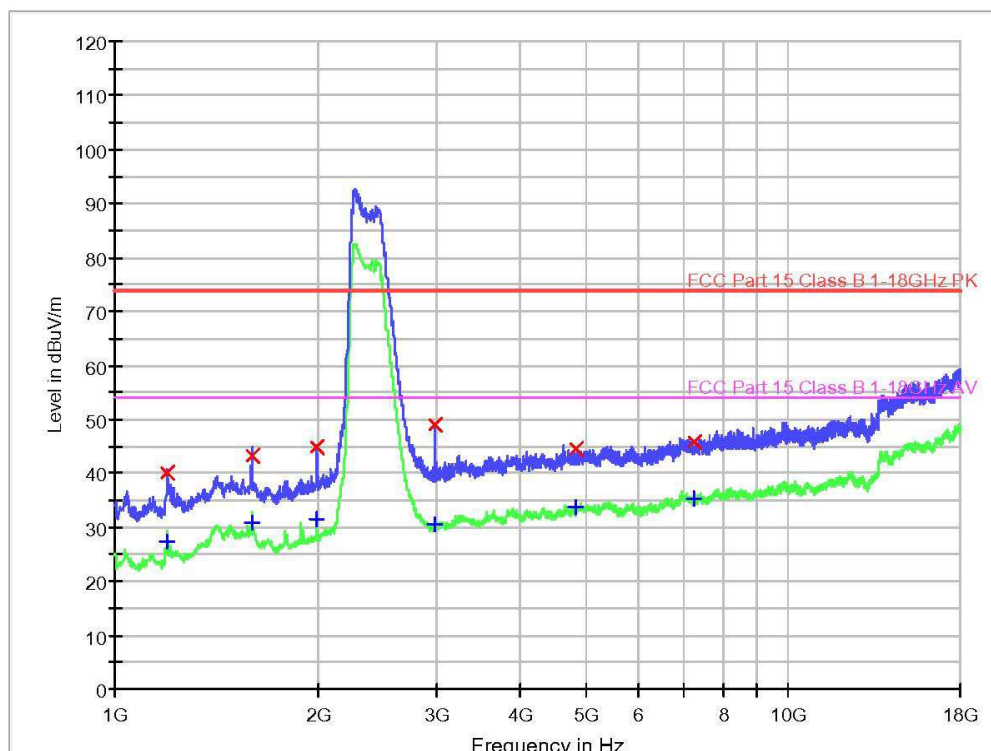
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11 n HT20-Low)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Vertical

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



Tested by: *Chris Liang*
20190627

Reviewed by: *Jacky Chen*
20190628

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
1198.000000	40.2	1000.0	1000.000	V	-15.6	33.8	74.0
1597.000000	43.1	1000.0	1000.000	V	-13.6	30.9	74.0
1992.000000	45.0	1000.0	1000.000	V	-10.8	29.0	74.0
2991.000000	49.0	1000.0	1000.000	V	-8.8	25.0	74.0
4824.000000	44.7	1000.0	1000.000	V	-4.7	29.3	74.0
7236.000000	45.9	1000.0	1000.000	V	-1.1	28.1	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
1198.000000	27.4	1000.0	1000.000	V	-15.6	26.6	54.0
1597.000000	30.7	1000.0	1000.000	V	-13.6	23.3	54.0
1992.000000	31.6	1000.0	1000.000	V	-10.8	22.4	54.0
2991.000000	30.4	1000.0	1000.000	V	-8.8	23.6	54.0
4824.000000	33.8	1000.0	1000.000	V	-4.7	20.2	54.0
7236.000000	35.3	1000.0	1000.000	V	-1.1	18.7	54.0

Tested by: *Chris Liang*
20190627

Reviewed by: *Jacky Chen*
20190628

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

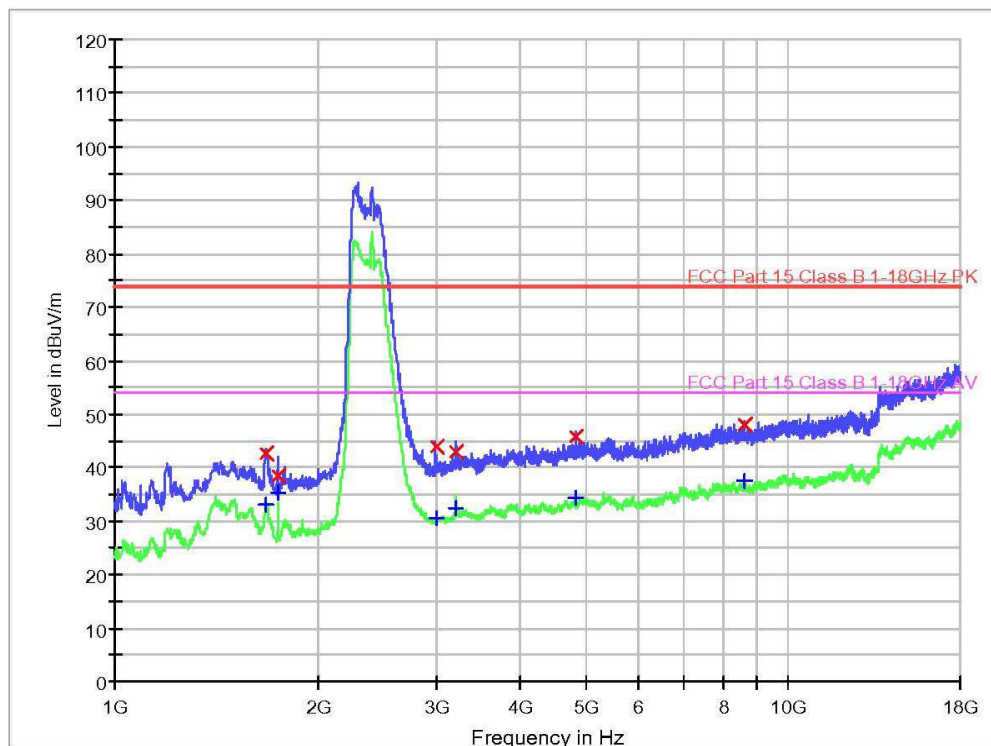
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11 n HT20-Low)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Horizontal

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



Tested by: *Chris Liang*

20190627

Reviewed by: *Jacky Chen*

20190628

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
1678.000000	42.5	1000.0	1000.000	H	-13.3	31.5	74.0
1748.000000	38.4	1000.0	1000.000	H	-12.7	35.6	74.0
2997.000000	44.0	1000.0	1000.000	H	-8.8	30.0	74.0
3214.000000	43.1	1000.0	1000.000	H	-8.1	30.9	74.0
4825.000000	45.8	1000.0	1000.000	H	-4.7	28.2	74.0
8616.000000	48.2	1000.0	1000.000	H	1.4	25.8	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
1678.000000	33.0	1000.0	1000.000	H	-13.3	21.0	54.0
1748.000000	35.2	1000.0	1000.000	H	-12.7	18.8	54.0
2997.000000	30.6	1000.0	1000.000	H	-8.8	23.4	54.0
3214.000000	32.5	1000.0	1000.000	H	-8.1	21.5	54.0
4825.000000	34.5	1000.0	1000.000	H	-4.7	19.5	54.0
8616.000000	37.7	1000.0	1000.000	H	1.4	16.3	54.0

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20190627

Reviewed by: *Jacky Chen*

20190628

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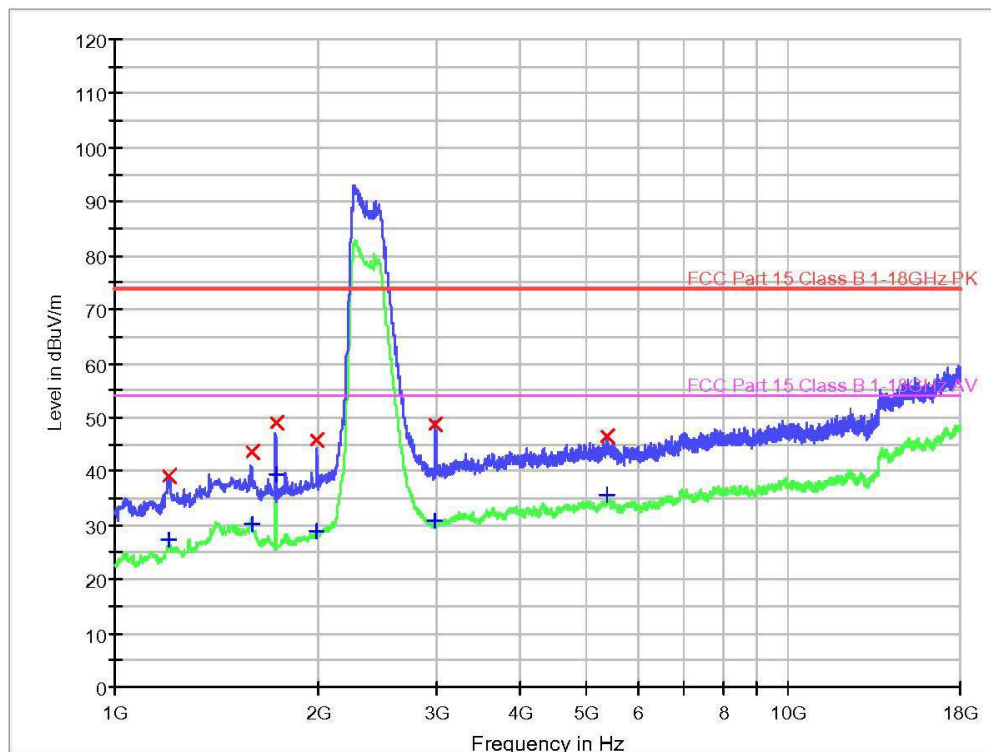
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11 n HT20-Mid)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Vertical

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



Tested by: *Chris Liang*

20190627

Reviewed by: *Jacky Chen*

20190628

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
1206.000000	39.2	1000.0	1000.000	V	-15.4	34.8	74.0
1597.000000	43.6	1000.0	1000.000	V	-13.6	30.4	74.0
1735.000000	48.9	1000.0	1000.000	V	-12.9	25.1	74.0
1999.000000	45.9	1000.0	1000.000	V	-10.6	28.1	74.0
2995.000000	48.6	1000.0	1000.000	V	-8.8	25.4	74.0
5397.000000	46.3	1000.0	1000.000	V	-3.8	27.7	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
1206.000000	27.4	1000.0	1000.000	V	-15.4	26.6	54.0
1597.000000	30.1	1000.0	1000.000	V	-13.6	23.9	54.0
1735.000000	39.6	1000.0	1000.000	V	-12.9	14.4	54.0
1999.000000	29.1	1000.0	1000.000	V	-10.6	24.9	54.0
2995.000000	30.8	1000.0	1000.000	V	-8.8	23.2	54.0
5397.000000	35.6	1000.0	1000.000	V	-3.8	18.4	54.0

Tested by: *Chris Liang*
20190627

Reviewed by: *Jacky Chen*
20190628

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

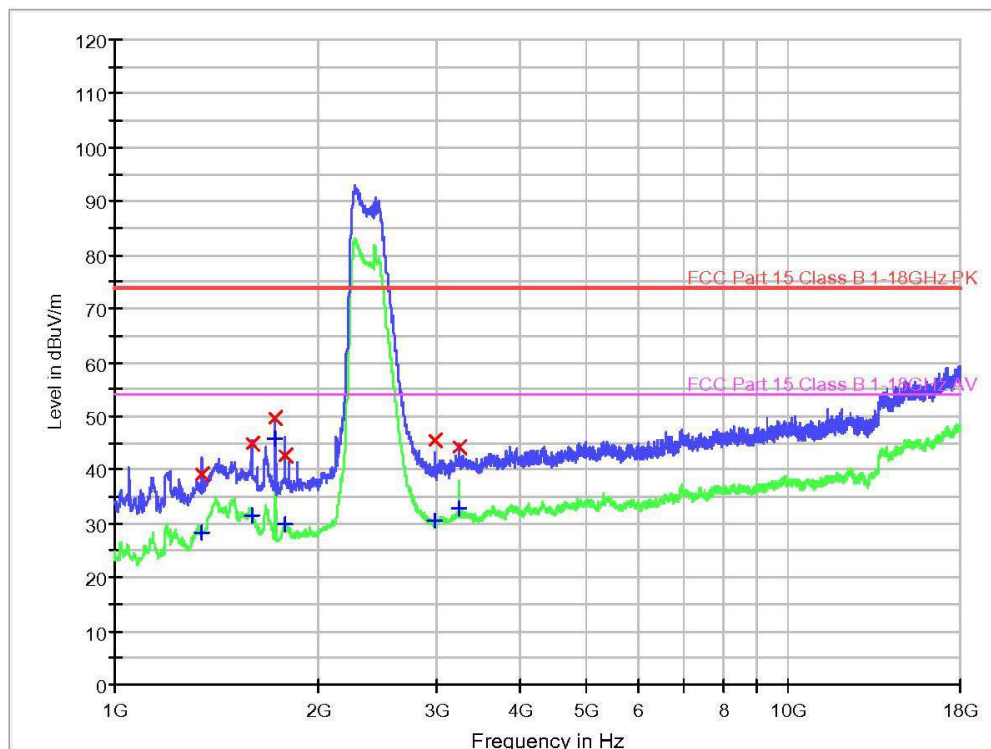
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11 n HT20-Mid)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Horizontal

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



Tested by: *Chris Liang*

20190627

Reviewed by: *Jacky Chen*

20190628

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
1348.000000	39.1	1000.0	1000.000	H	-15.1	35.0	74.0
1595.000000	45.0	1000.0	1000.000	H	-13.6	29.0	74.0
1733.000000	49.7	1000.0	1000.000	H	-12.9	24.3	74.0
1790.000000	42.7	1000.0	1000.000	H	-12.3	31.3	74.0
2987.000000	45.6	1000.0	1000.000	H	-8.8	28.4	74.0
3248.000000	44.3	1000.0	1000.000	H	-7.8	29.7	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
1348.000000	28.5	1000.0	1000.000	H	-15.1	25.5	54.0
1595.000000	31.4	1000.0	1000.000	H	-13.6	22.6	54.0
1733.000000	45.8	1000.0	1000.000	H	-12.9	8.2	54.0
1790.000000	29.9	1000.0	1000.000	H	-12.3	24.1	54.0
2987.000000	30.5	1000.0	1000.000	H	-8.8	23.5	54.0
3248.000000	32.8	1000.0	1000.000	H	-7.8	21.2	54.0

Tested by:

Chris Liang

Reviewed by:

Jacky Chen

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EMC Test Service Hotline: +86-20-28391188

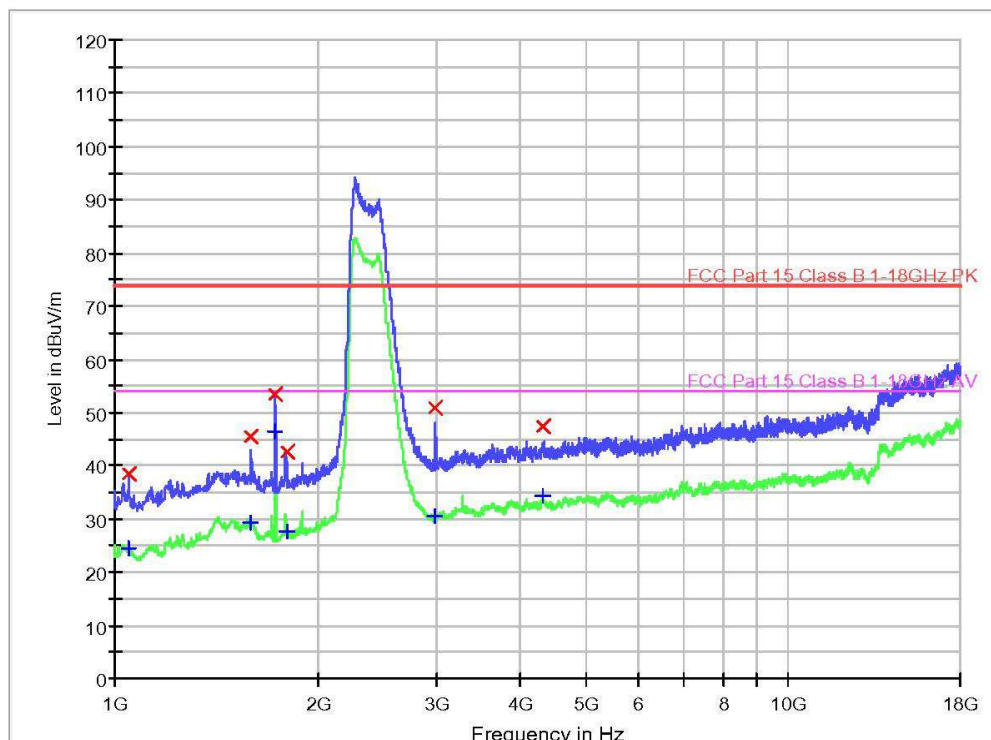
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11 n HT20-High)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Vertical

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



Tested by:

Chris Liang

20190627

Reviewed by:

Jacky Chen

20190628

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
1049.000000	38.5	1000.0	1000.000	V	-16.6	35.5	74.0
1593.000000	45.6	1000.0	1000.000	V	-13.7	28.4	74.0
1733.000000	53.6	1000.0	1000.000	V	-12.9	20.4	74.0
1797.000000	42.7	1000.0	1000.000	V	-12.4	31.3	74.0
2995.000000	50.9	1000.0	1000.000	V	-8.8	23.1	74.0
4309.000000	47.6	1000.0	1000.000	V	-5.3	26.5	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
1049.000000	24.6	1000.0	1000.000	V	-16.6	29.4	54.0
1593.000000	29.4	1000.0	1000.000	V	-13.7	24.7	54.0
1733.000000	46.5	1000.0	1000.000	V	-12.9	7.5	54.0
1797.000000	27.7	1000.0	1000.000	V	-12.4	26.3	54.0
2995.000000	30.7	1000.0	1000.000	V	-8.8	23.3	54.0
4309.000000	34.2	1000.0	1000.000	V	-5.3	19.8	54.0

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Reviewed by:

Jacky Chen

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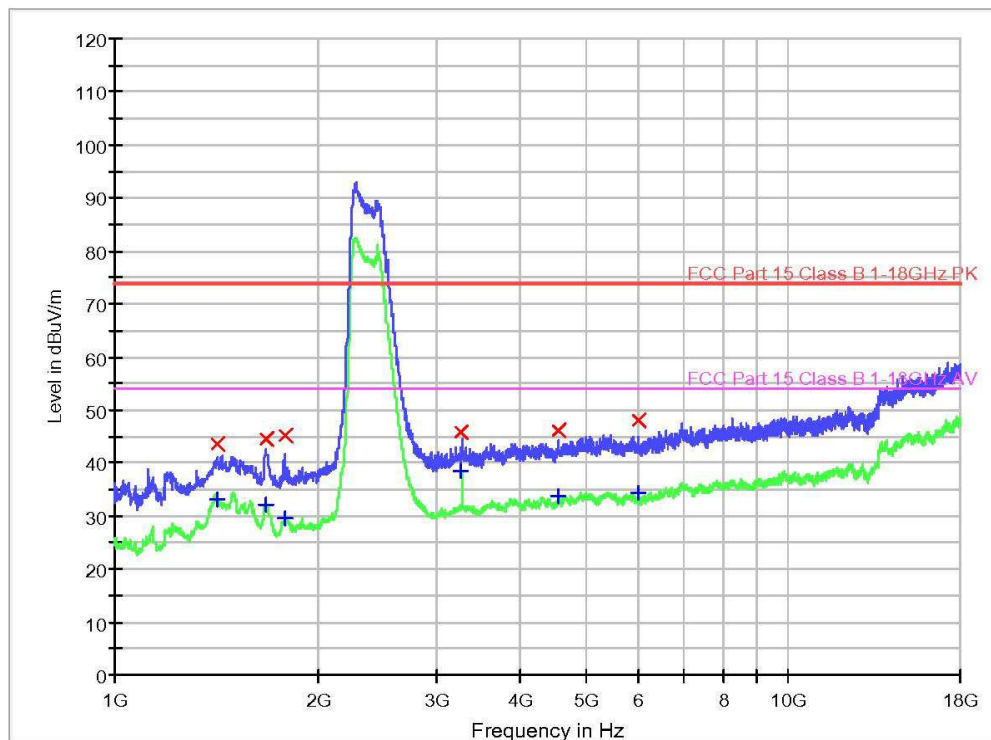
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11 n HT20-High)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Horizontal

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



Tested by: *Chris Liang*

20190627

Reviewed by: *Jacky Chen*

20190628

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
1421.000000	43.6	1000.0	1000.000	H	-14.8	30.4	74.0
1682.000000	44.6	1000.0	1000.000	H	-13.2	29.4	74.0
1793.000000	45.4	1000.0	1000.000	H	-12.3	28.6	74.0
3274.000000	45.7	1000.0	1000.000	H	-7.8	28.3	74.0
4549.000000	46.3	1000.0	1000.000	H	-5.6	27.7	74.0
5992.000000	48.1	1000.0	1000.000	H	-3.6	25.9	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
1421.000000	33.2	1000.0	1000.000	H	-14.8	20.8	54.0
1682.000000	32.1	1000.0	1000.000	H	-13.2	21.9	54.0
1793.000000	29.6	1000.0	1000.000	H	-12.3	24.4	54.0
3274.000000	38.5	1000.0	1000.000	H	-7.8	15.5	54.0
4549.000000	33.7	1000.0	1000.000	H	-5.6	20.3	54.0
5992.000000	34.5	1000.0	1000.000	H	-3.6	19.5	54.0

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Reviewed by: *Jacky Chen*

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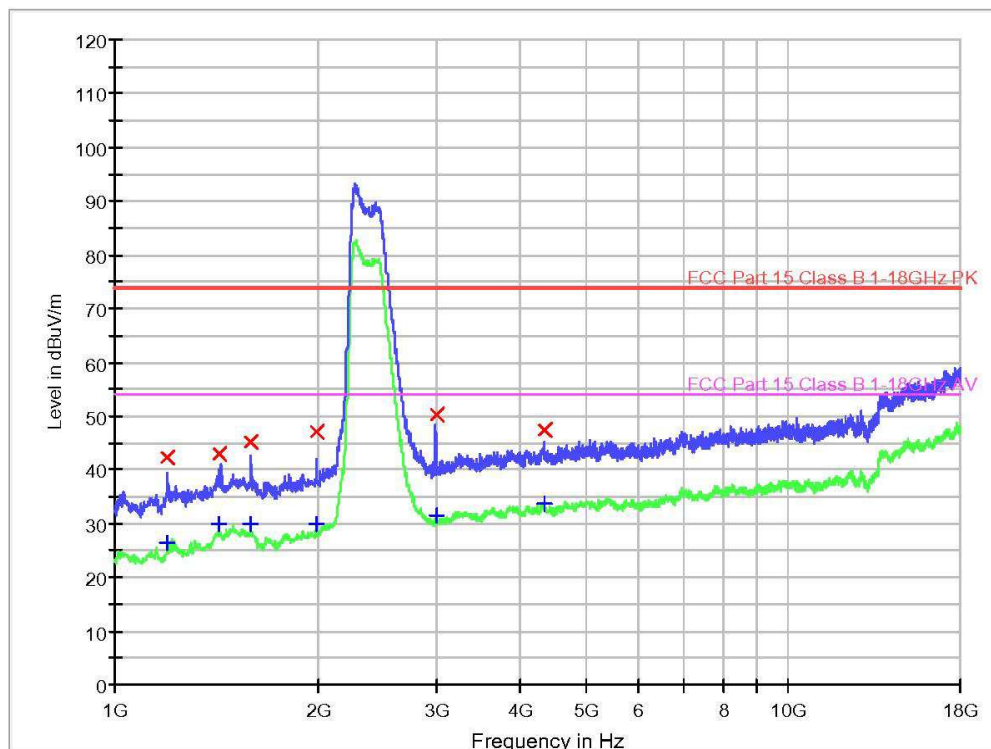
EMC Test Record (Emission)

Common Information

Manufacturer:	Midea
Test Item:	Wi-Fi Module
Identification:	QCA4004SIP
Test Standard:	FCC Part 15
Test Detail:	Spurious Emission
Operation Mode:	Transmitting (802.11 n HT40-Low)
Climate Condition:	20 °C, 50 %, 101 k Pa
Test Voltage/ Freq:	DC 5.0V
Receipt No:	170109196
Report No:	/
Result:	Pass
Comment:	Vertical

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

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



Tested by: *Chris Liang*

20190627

Reviewed by: *Jacky Chen*

20190628