FCC/IC - TEST REPORT

Report Number	:	**64.790.18.01983.02**	Date of Issue:	May 19, 2020
Model	:	CE-OSK201		
Product Type	:	Smart Kit		
Applicant	:	GD Midea Air-conditioning Equipment Co.,Ltd		
Address	:	Lingang Road, Beijiao, Shunde, FOSHAN, Guangdong, China		
Manufacturer	:	GD Midea Air-conditioning Equipment Co.,Ltd		
Address	:	Lingang Road, Beijiao, Shunde, FOSHAN, Guangdong, China		
Test Result	:	■ **Positive** ☐ **Negative**		
Total pages including Appendices	:	19		

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2 Details about the Test Laboratory

Details about the Test Laboratory
Test Site 1

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park,
Nantou Checkpoint Road 2, Nanshan District,
Shenzhen City, 518052,
P. R. China

Telephone: 86 755 8828 6998
Fax: 86 755 8828 5299

FCC registration number: 514049

IC registration number: 10320A

3 Description of the Equipment Under Test

Product:	Smart Kit
Model no.:	CE-OSK201
FCC ID:	2ADQOMDNA18
IC:	12575A-MDNA18
Options and accessories:	Nil
Rating Input:	DC 5V
RF Transmission Frequency:	2412MHz-2462MHz
No. of Operated Channel:	802.11b/g/n20: 11 channel 802.11n40: 7 channel
Modulation:	802.11b: CCK DSSS 802.11g: OFDM 802.11n20: OFDM 802.11n40: OFDM
Antenna Type:	Internal Printed PCB antenna
Antenna Gain:	1.8dBi
Description of the EUT:	The EUT is a WIFI adaptor and only can use for products of Midea group.

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4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart C 10-1-2019 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators
RSS-247 Issue 2 February 2017	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSS) and Licence-Exempt Local Area Network (LE-LAN) Devices

All the test methods were according to KDB 558074 D01 15.247 Meas Guidance v05r02 and ANSI C63.10 (2013).

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5 Summary of Test Results

Technical Requirements				
FCC Part 15 Subpart C				
Test Condition			Pages	Test Result
§15.207	RSS-GEN 8.8	Conducted emission AC power port*	--	Pass
§15.247(b)(1)	RSS-247 Clause 5.4(2)	Conducted peak output power*	10	Pass
§15.247(e)	RSS-247 Clause 5.2(2)	Power spectral density*	--	Pass
§15.247(a)(2)	RSS-247 Clause 5.2(1)	6dB bandwidth*	--	Pass
§15.247(a)(1)	RSS-247 Clause 5.1(1)	20dB bandwidth and 99% Occupied Bandwidth	--	N/A
§15.247(a)(1)	RSS-247 Clause 5.1(2)	Carrier frequency separation	--	N/A
§15.247(a)(1)(iii)	RSS-247 Clause 5.1(4)	Number of hopping frequencies	--	N/A
§15.247(a)(1)(iii)	RSS-247 Clause 5.1(4)	Dwell Time	--	N/A
§15.247(d)	RSS-247 Clause 5.5	Spurious RF conducted emissions*	--	Pass
§15.247(d)	RSS-247 Clause 5.5	Band edge*	--	Pass
§15.247(d) & §15.209 &	RSS-247 Clause 5.5 & RSS-GEN 6.13	Spurious radiated emissions for transmitter	12	Pass
§15.203	RSS-GEN 8.3	Antenna requirement	See note 1	Pass

Note 1: N/A=Not Applicable.
Note 2: The EUT uses Internal Printed ANT antenna, which gain is 1.8dBi. In accordance to §15.203, it is considered sufficiently to comply with the provisions of this section.
Note 3: "*", please refer to report 64.790.18.01983.01 for full data.

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6 General Remarks

Remarks

This submittal(s) (test report) is intended for FCC ID:2ADQOMDNA18, IC:12575A-MDNA18 complies with Section 15.207, 15.209, 15.247 of the FCC Part 15, Subpart C, RSS- 247 and RSS-Gen rules.
This report is based on 64.790.18.01983.01. Applicant updated the memory chip from EE-SOIC8-25/8M-204-T (memory capacity is 8MB) to EE-SOIC8-25/16M-204-T (memory capacity is 16MB) but made no change on circuit design, PCB layout and RF function.
According to a technical evaluation, only spurious radiated emissions test was performed.

SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

☐ - **Not** Performed

The Equipment under Test

■ - **Fulfills** the general approval requirements.

☐ - **Does not** fulfill the general approval requirements.

Sample Received Date:	March 7, 2018
Testing Start Date:	March 8, 2018
Testing End Date:	March 12, 2018

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Reviewed by:	Prepared by:	Tested by:
Tony Liu	Kevin Ouyang	Louise Liu

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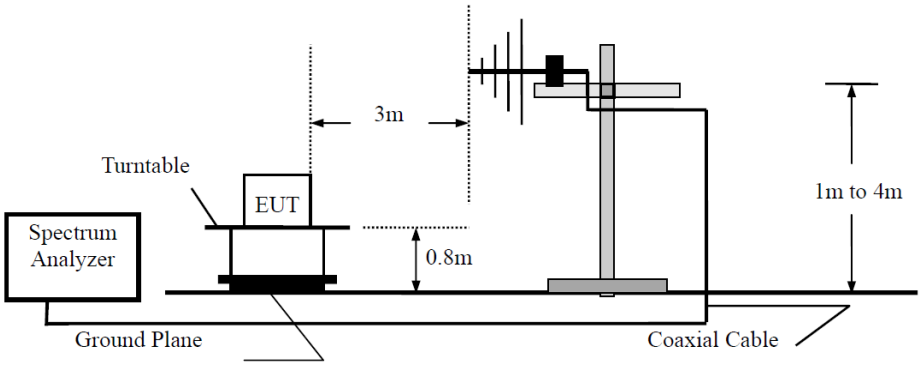
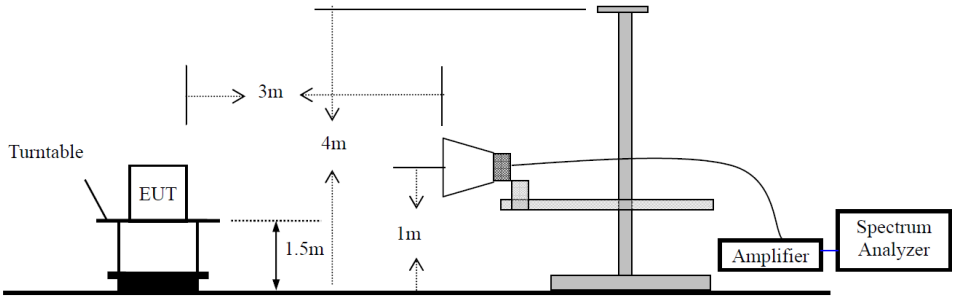
7 Test Setups

7.1 Radiated test setups

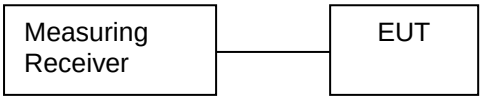
Below 1GHz



Above 1GHz



7.2 Conducted RF test setups



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8 Systems test configuration

Auxiliary Equipment Used during Test:

DESCRIPTION	MANUFACTURER	MODEL NO.(SHIELD)
Air-conditioner	Midea	/
Software	/	Ameba Mptool

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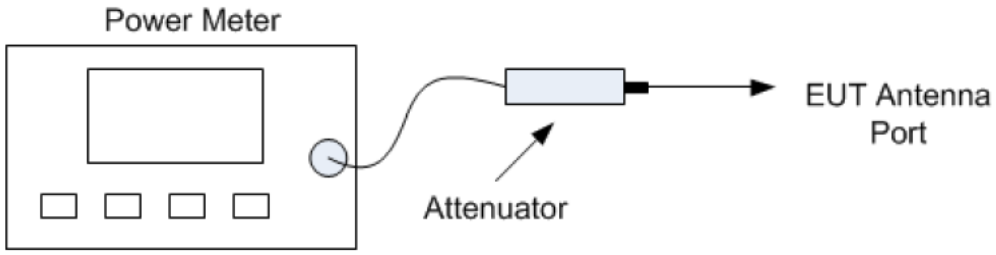
9 Technical Requirement

9.1 Conducted peak output power

Test Method

1) The EUT is configured to transmit continuously, or to transmit with a constant duty cycle.
2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

4) Measure the peak power of the transmitter. This measurement is a peak over both the ON and OFF periods of the transmitter.



Power meter conducted test setup

FCC Limits:

Frequency Range MHz	conducted peak output power limit **W**	**Limit dBm**
2400-2483.5	≤1	≤30

ISED Limits:

Frequency Range MHz	conducted peak output power limit **W**	**Limit dBm**
2400-2483.5	≤1	≤30

Frequency Range MHz	EIRP **W**	**Limit dBm**
2400-2483.5	≤4	≤39

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Conducted peak output power

802.11b modulation Test Result

Frequency MHz	Conducted Peak Output Power dBm	Antenna Gain dBi	EIRP dBm	Result
Low channel 2412MHz	13.0	1.8	14.8	Pass
Middle channel 2437MHz	14.1	1.8	15.9	Pass
High channel 2462MHz	14.5	1.8	16.3	Pass

802.11g modulation Test Result

Frequency MHz	Conducted Peak Output Power dBm	Antenna Gain dBi	EIRP dBm	Result
Low channel 2412MHz	15.1	1.8	16.9	Pass
Middle channel 2437MHz	15.6	1.8	17.6	Pass
High channel 2462MHz	15.6	1.8	17.4	Pass

802.11n20 modulation Test Result

Frequency MHz	Conducted Peak Output Power dBm	Antenna Gain dBi	EIRP dBm	Result
Low channel 2412MHz	16.6	1.8	18.4	Pass
Middle channel 2437MHz	14.6	1.8	16.4	Pass
High channel 2462MHz	14.5	1.8	16.4	Pass

802.11n40 modulation Test Result

Frequency MHz	Conducted Peak Output Power dBm	Antenna Gain dBi	EIRP dBm	Result
Low channel 2412MHz	12.7	1.8	14.5	Pass
Middle channel 2437MHz	12.2	1.8	14.0	Pass
High channel 2462MHz	12.8	1.8	14.6	Pass

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9.2 Spurious radiated emissions for transmitter

Test Method

1: The EUT was place on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

2: The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.

3: The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

4: For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

5: Use the following spectrum analyzer settings According to C63.10:

For Below 1GHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious RBW = 100 KHz to 120KHz, VBW≥RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

For Peak unwanted emissions Above 1GHz:

Span = wide enough to capture the peak level of the in-band emission and all spurious RBW = 1MHz, VBW≥RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

Procedures for average unwanted emissions measurements above 1000 MHz

a) RBW = 1MHz.

b) VBW \ [3 × RBW].

c) Detector = RMS (power averaging), if [span / (# of points in sweep)] \ RBW / 2. Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.

d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)

e) Sweep time = auto.

f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of 1 / D, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)

g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:

1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is [10 log (1 / D)], where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.

2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is [20 log (1 / D)], where D is the duty cycle. For example, if the transmit duty

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cycle was 50%, then 6 dB shall be added to the measured emission levels.
3) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

Limit

The radio emission outside the operating frequency band shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. Radiated emissions which fall in the restricted bands, as defined in section15.205, must comply with the radiated emission limits specified in section 15.209.

Frequency MHz	Field Strength uV/m	Field Strength dBµV/m	Detector
30-88	100	40	QP
88-216	150	43.5	QP
216-960	200	46	QP
960-1000	500	54	QP
Above 1000	500	54	AV
Above 1000	5000	74	PK

Spurious radiated emissions for transmitter

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

Transmitting spurious emission test result as below:

Emission below 1GHz

Frequency (MHz)	QP (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
45.762500	17.09	40.00	22.91	H	18
55.705000	16.65	40.00	23.35	H	17
95.960000	15.08	43.50	28.42	H	15
171.801875	14.96	43.50	28.54	H	14
449.282500	22.61	46.00	23.39	H	22
940.526875	30.90	46.00	15.10	H	30
30.909375	21.04	40.00	18.96	V	14
35.577500	21.58	40.00	18.42	V	15
39.881875	20.52	40.00	19.48	V	16
93.777500	19.70	43.50	23.80	V	15
199.507500	15.48	43.50	28.02	V	16
921.793750	30.78	46.00	15.22	V	30

Emission between 1G-25GHz

802.11b Modulation:

2412MHz Test Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
2284.500000	42.85	74.00	31.15	H	-4.5
2654.000000	49.49	74.00	24.51	H	-3.2
4191.500000	47.43	74.00	26.57	H	2.0
4674.000000	48.64	74.00	25.36	H	2.6
5575.000000	48.73	74.00	25.27	H	2.9
12053.000000	48.21	74.00	25.79	H	10.0
2011.000000	46.11	74.00	27.89	V	-5.0
2598.500000	43.88	74.00	30.12	V	-3.2
4236.500000	47.40	74.00	26.60	V	2.0
5562.000000	49.81	74.00	24.19	V	2.7
8212.000000	46.55	74.00	27.45	V	6.8
12236.000000	47.49	74.00	26.51	V	9.7

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2437MHz Test Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
2360.000000	47.86	74.00	26.14	H	-4.1
4004.000000	47.36	74.00	26.64	H	1.2
4874.000000	50.71	74.00	23.29	H	2.4
8513.500000	44.37	74.00	29.63	H	6.6
12283.000000	47.27	74.00	26.73	H	9.7
14734.500000	48.86	74.00	25.14	H	11.7
1599.500000	45.52	74.00	28.48	V	-8.6
1907.500000	45.03	74.00	28.97	V	-5.5
2643.000000	44.88	74.00	29.12	V	-3.2
4174.000000	46.59	74.00	27.41	V	1.8
5329.500000	48.94	74.00	25.06	V	2.5
12031.000000	48.86	74.00	25.14	V	9.9

2462MHz Test Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1897.500000	47.14	74.00	26.86	H	-5.6
2367.000000	46.45	74.00	27.55	H	-4.0
4746.000000	48.94	74.00	25.06	H	3.0
5801.500000	49.88	74.00	24.12	H	3.4
14504.000000	49.54	74.00	24.46	H	11.0
15938.500000	50.69	74.00	23.31	H	13.9
1595.500000	49.31	74.00	24.69	V	-8.7
4750.000000	46.81	74.00	27.19	V	3.0
6178.500000	49.83	74.00	24.17	V	5.1
10909.500000	47.41	74.00	26.59	V	7.9
12237.000000	48.30	74.00	25.70	V	9.6
14592.500000	49.34	74.00	24.66	V	11.1

Emission between 1G-25GHz

802.11g Modulation:

2412MHz Test Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
2363.000000	47.43	74.00	26.57	H	-4.0
3761.000000	47.06	74.00	26.94	H	0.2
4780.500000	48.15	74.00	25.85	H	2.7
6347.500000	49.19	74.00	24.81	H	6.0
12277.000000	47.85	74.00	26.15	H	9.6
15621.500000	49.90	74.00	24.10	H	13.0
1794.000000	43.40	74.00	30.60	V	-6.3
2402.000000	48.02	74.00	25.98	V	-3.9
4140.000000	47.64	74.00	26.36	V	1.4
5424.500000	48.89	74.00	25.11	V	3.1
12302.000000	48.14	74.00	25.86	V	10.0
15594.500000	48.65	74.00	25.35	V	13.0

2437MHz Test Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1594.000000	43.64	74.00	30.36	H	-8.7
2351.000000	48.67	74.00	25.33	H	-4.2
4136.500000	47.30	74.00	26.70	H	1.4
4959.500000	49.07	74.00	24.93	H	1.5
5985.500000	49.16	74.00	24.84	H	4.7
16156.000000	50.90	74.00	23.10	H	14.8
1593.000000	44.02	74.00	29.98	V	-8.7
2013.500000	47.00	74.00	27.00	V	-5.0
2402.500000	49.65	74.00	24.35	V	-3.9

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5423.000000	48.89	74.00	25.11	V	3.2
6180.500000	48.98	74.00	25.02	V	5.1
14937.500000	50.13	74.00	23.87	V	12.1
15495.000000	50.85	74.00	23.15	V	12.9

2462MHz Test Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
2384.000000	47.42	74.00	26.58	H	-3.9
4488.000000	47.63	74.00	26.37	H	2.8
5566.500000	48.68	74.00	25.32	H	2.8
6215.500000	49.71	74.00	24.29	H	5.4
6996.500000	51.45	74.00	22.55	H	7.3
12571.500000	48.00	74.00	26.00	H	9.8
1905.000000	48.63	74.00	25.37	V	-5.5
4584.000000	47.26	74.00	26.74	V	2.8
5380.500000	49.36	74.00	24.64	V	3.0
6421.000000	49.35	74.00	24.65	V	6.2
12640.000000	50.26	74.00	23.74	V	10.1
15801.000000	49.90	74.00	24.10	V	13.8

Emission between 1G-25GHz

802.11n20 Modulation:

2412MHz Test Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
2011.000000	44.08	74.00	29.92	H	-5.0
2330.000000	48.55	74.00	25.45	H	-4.1
4019.500000	47.31	74.00	26.69	H	1.3
4550.000000	47.97	74.00	26.03	H	3.0
5926.000000	49.92	74.00	24.08	H	4.0
12333.000000	48.30	74.00	25.70	H	10.1
1185.000000	39.26	74.00	34.74	V	-9.7
2402.500000	48.18	74.00	25.82	V	-3.9
4420.500000	47.02	74.00	26.98	V	2.3
4901.000000	48.72	74.00	25.28	V	2.6
6576.000000	51.97	74.00	22.03	V	6.8
12278.500000	48.65	74.00	25.35	V	9.7
15795.000000	49.87	74.00	24.13	V	13.8

2437MHz Test Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
2352.000000	48.15	74.00	25.85	H	-4.1
3999.500000	46.63	74.00	27.37	H	1.2
5148.500000	48.66	74.00	25.34	H	2.2
6548.000000	50.40	74.00	23.60	H	6.5
10104.000000	44.98	74.00	29.02	H	8.0
14680.500000	49.47	74.00	24.53	H	11.4
1908.500000	44.42	74.00	29.58	V	-5.5
4682.000000	47.15	74.00	26.85	V	2.7
5886.000000	49.85	74.00	24.15	V	4.4
6562.000000	51.02	74.00	22.98	V	6.8
14703.500000	49.31	74.00	24.69	V	11.4
15789.000000	49.02	74.00	24.98	V	13.8

2462MHz Test Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
2356.500000	49.11	74.00	24.89	H	-4.1
2547.500000	50.75	74.00	23.25	H	-3.2
4433.500000	48.06	74.00	25.94	H	2.2
5110.000000	48.39	74.00	25.61	H	1.8

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12622.000000	47.50	74.00	26.50	H	9.9
14853.500000	48.70	74.00	25.30	H	12.2
1198.500000	42.30	74.00	31.70	V	-9.6
2255.500000	42.31	74.00	31.69	V	-4.7
2402.500000	50.62	74.00	23.38	V	-3.9
4541.500000	48.49	74.00	25.51	V	2.9
13258.000000	48.60	74.00	25.40	V	9.9
15252.000000	48.57	74.00	25.43	V	12.9

Emission between 1G-25GHz

802.11n40 Modulation:

2422MHz Test Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
2341.000000	48.61	74.00	25.39	H	-4.1
2402.500000	52.06	74.00	21.94	H	-3.9
5514.500000	48.17	74.00	25.83	H	2.8
6369.000000	49.59	74.00	24.41	H	6.2
11882.000000	48.11	74.00	25.89	H	9.6
14691.000000	50.47	74.00	23.54	H	11.5
2328.000000	44.05	74.00	29.95	V	-4.1
2402.500000	51.42	74.00	22.58	V	-3.9
3548.000000	46.39	74.00	27.61	V	-0.8
5359.000000	50.06	74.00	23.94	V	3.2
6382.000000	50.80	74.00	23.20	V	6.3
12140.500000	47.08	74.00	26.92	V	9.8
14862.000000	48.16	74.00	25.84	V	12.2

2437MHz Test Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1906.500000	49.50	74.00	24.50	H	-5.5
2374.000000	49.29	74.00	24.71	H	-3.9
2579.500000	49.81	74.00	24.19	H	-3.1
4713.000000	48.67	74.00	25.33	H	2.9
5419.500000	49.39	74.00	24.61	H	3.2
14587.000000	49.10	74.00	24.90	H	11.1
2069.500000	43.46	74.00	30.54	V	-5.1
2364.500000	44.43	74.00	29.57	V	-4.0
2402.500000	49.24	74.00	24.76	V	-3.9
4535.000000	48.06	74.00	25.94	V	2.9
5483.000000	49.25	74.00	24.75	V	2.7
13210.500000	48.46	74.00	25.54	V	9.7
16076.500000	49.96	74.00	24.04	V	14.1

2452MHz Test Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
2366.500000	49.39	74.00	24.61	H	-4.0
2508.000000	48.99	74.00	25.01	H	-3.4
4364.500000	47.53	74.00	26.47	H	2.8
5128.000000	49.15	74.00	24.85	H	1.6
6017.000000	49.40	74.00	24.60	H	5.0
12435.500000	48.77	74.00	25.23	H	10.1
2356.500000	42.67	74.00	31.33	V	-4.1
3027.500000	45.99	74.00	28.01	V	-1.1
4554.500000	48.49	74.00	25.51	V	2.9
5009.000000	47.98	74.00	26.02	V	2.5
12249.000000	48.06	74.00	25.94	V	9.6
14956.000000	48.82	74.00	25.18	V	12.1

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Remark:

(1) Corrected Amplitude = Read level + Corrector factor
Above 1GHz: Corrector factor = Antenna Factor + Cable Loss- Amplifier Gain.
Below 1GHz: Corrector factor = Antenna Factor + Cable Loss.
(The Reading Level is recorded by software which is not shown in the sheet)

(2) "*" means the emission(s) appear within the restrict bands shall follow the requirement of section 15.205.

(3) We test all modes and only the worst case recorded in the report.

(4) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are the noise floor or attenuated more than 10dB below the permissible limits or the field strength is too small to be measured.

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10 Test Equipment List

List of Test Instruments

	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
C	Signal Generator	Rohde & Schwarz	SMB100A	108272	2020-6-28
	Vector Signal Generator	Rohde & Schwarz	SMBV100A	262825	2020-6-28
	Communication Synthetical Test Instrument	Rohde & Schwarz	CMW 270	101251	2020-5-31
	Signal Analyzer	Rohde & Schwarz	FSV40	101030	2020-6-28
	Vector Signal Generator	Rohde & Schwarz	SMU 200A	105324	2020-6-28
	RF Switch Module	Rohde & Schwarz	OSP120/OSP-B157	101226/100851	2020-6-28
	Power Splitter	Weinschel	1580	SC319	2020-7-7
	10dB Attenuator	Weinschel	4M-10	43152	2020-7-6
	10dB Attenuator	R&S	DNF	DNF-001	2020-6-28
	10dB Attenuator	R&S	DNF	DNF-002	2020-6-28
	10dB Attenuator	R&S	DNF	DNF-003	2020-6-28
	10dB Attenuator	R&S	DNF	DNF-004	2020-6-28
	Test software	Rohde & Schwarz	EMC32	Version 10.38.00	N/A
	Test software	Tonscend	System for BT/WIFI	Version 2.5.77.0418	N/A
RE	EMI Test Receiver	Rohde & Schwarz	ESR 26	101269	2020-6-28
	Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	707	2020-8-20
	Horn Antenna	Rohde & Schwarz	HF907	102294	2020-6-22
	Loop Antenna	Rohde & Schwarz	HFH2-Z2	100398	2020-7-7
	Pre-amplifier	Rohde & Schwarz	SCU 18	102230	2020-6-28
	Signal Generator	Rohde & Schwarz	SMY01	839369/005	2020-6-28
	Attenuator	Agilent	8491A	MY39264334	2020-6-28
	3m Semi-anechoic chamber	TDK	9X6X6	----	2020-7-7
	Test software	Rohde & Schwarz	EMC32	Version9.15.00	N/A

C - Conducted RF tests

- Conducted peak output power
- 6dB bandwidth
- 20dB bandwidth and 99% Occupied Bandwidth
- Carrier frequency separation
- Number of hopping frequencies
- Dwell Time
- Power spectral density
- Spurious RF conducted emissions
- Band edge

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11 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty for Radiated Spurious Emission 25MHz-3000MHz	Horizontal: 4.81dB; Vertical: 4.89dB;
Uncertainty for Radiated Spurious Emission 3000MHz-18000MHz	Horizontal: 4.69dB; Vertical: 4.68dB;
Uncertainty for Radiated Spurious Emission 18000MHz-40000MHz	Horizontal: 4.89dB; Vertical: 4.87dB;
Uncertainty for Conducted RF test with TS 8997	RF Power Conducted: 1.16dB Frequency test involved: 0.6×10^{-7} or 1%

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