☒	5.725~5.85 GHz	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

4.4.2. Measuring Instruments and Setting

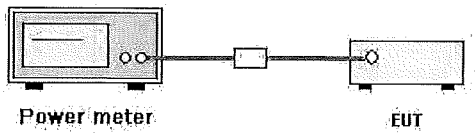
Please refer to section 5 of equipments list in this report. The following table is the setting of the power meter.

Power Meter Parameter	Setting
Detector	AVERAGE

4.4.3. Test Procedures

1. The transmitter output (antenna port) was connected to the power meter.
2. Test was performed in accordance with KDB789033 D02 v01r04 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (E) Maximum conducted output power =>3. Measurement using a Power Meter (PM) =>b) Method PM-G (Measurement using a gated RF average power meter).
3. Multiple antenna systems was performed in accordance with KDB662911 D01 v02r01 Emissions Testing of Transmitters with Multiple Outputs in the Same Band.
4. When measuring maximum conducted output power with multiple antenna systems, add every result of the values by mathematic formula.

4.4.4. Test Setup Layout



4.4.5. Test Deviation

There is no deviation with the original standard.

4.4.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.4.7. Test Result of Maximum Conducted Output Power

Temperature	27.1°C	Humidity	79%
Test Engineer	Ron Huang	Test Date	Oct. 05, 2017

For Antenna 1:

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Port 1	Port 2	Total		
20M	5180 MHz	21.47	21.53	24.51	30.00	Complies
	5200 MHz	23.67	23.01	26.36	30.00	Complies
	5240 MHz	24.26	24.02	27.15	30.00	Complies
	5745 MHz	23.53	23.04	26.30	30.00	Complies
	5785 MHz	24.48	23.32	26.95	30.00	Complies
	5825 MHz	23.64	23.14	26.41	30.00	Complies
80M	5190 MHz	11.08	10.23	13.69	30.00	Complies
	5200 MHz	16.23	14.76	18.57	30.00	Complies
	5210 MHz	16.17	15.76	18.98	30.00	Complies
	5765 MHz	18.57	17.74	21.19	30.00	Complies
	5785 MHz	19.19	18.48	21.86	30.00	Complies
	5805 MHz	18.51	17.71	21.14	30.00	Complies

For Antenna 2:

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Port 1	Port 2	Total		
20M	5180 MHz	12.60	12.37	15.50	30.00	Complies
	5200 MHz	17.41	16.69	20.08	30.00	Complies
	5240 MHz	16.33	15.83	19.10	30.00	Complies
	5745 MHz	10.23	9.74	13.00	30.00	Complies
	5785 MHz	8.01	6.83	10.47	30.00	Complies
	5825 MHz	3.94	3.77	6.87	30.00	Complies
80M	5200 MHz	3.74	2.88	6.34	30.00	Complies
	5210 MHz	4.22	3.43	6.85	30.00	Complies
	5765 MHz	6.47	5.82	9.17	30.00	Complies
	5785 MHz	5.07	4.34	7.73	30.00	Complies
	5805 MHz	-0.27	-0.96	2.41	30.00	Complies

4.5. Power Spectral Density Measurement

4.5.1. Limit

The following table is power spectral density limits and decrease power density limit rule refer to section 4.4.1.

Frequency Band			Limit
☒	5.15~5.25 GHz		
	Operating Mode		
	☐	Outdoor access point	17 dBm/MHz
	☐	Indoor access point	17 dBm/MHz
	☒	Fixed point-to-point access points	17 dBm/MHz
	☐	Client devices	11 dBm/MHz
☒	5.725~5.85 GHz		30 dBm/500kHz

4.5.2. Measuring Instruments and Setting

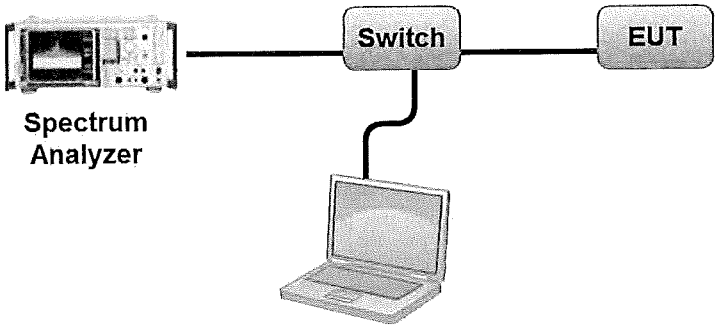
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1000 kHz
VBW	3000 kHz
Detector	RMS
Trace	AVERAGE
Sweep Time	Auto
Trace Average	100 times
Note: If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.	

4.5.3. Test Procedures

1. The transmitter output (antenna port) was connected RF switch to the spectrum analyzer.
2. Test was performed in accordance with KDB789033 D02 v01r04 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (F) Maximum Power Spectral Density (PSD).
3. Multiple antenna systems was performed in accordance KDB662911 D01 v02r01 in-Band Power Spectral Density (PSD) Measurements and sum the spectra across the outputs.
4. For 5.725~5.85 GHz, the measured result of PSD level must add 10log(500kHz/RBW) and the final result should ≤ 30 dBm.

4.5.4. Test Setup Layout



4.5.5. Test Deviation

There is no deviation with the original standard.

4.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.