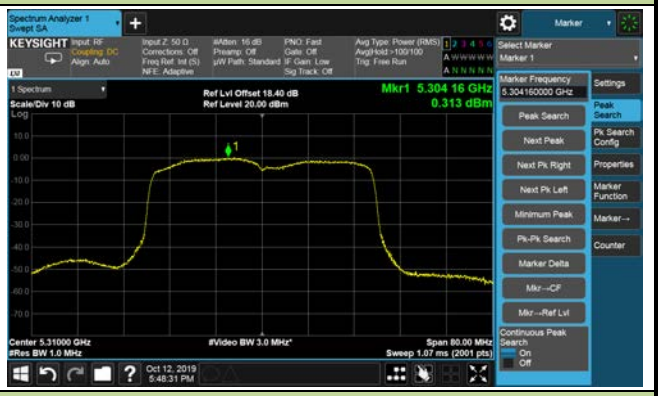
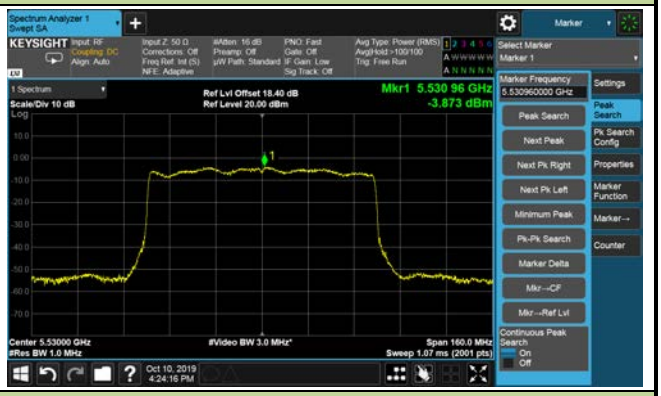
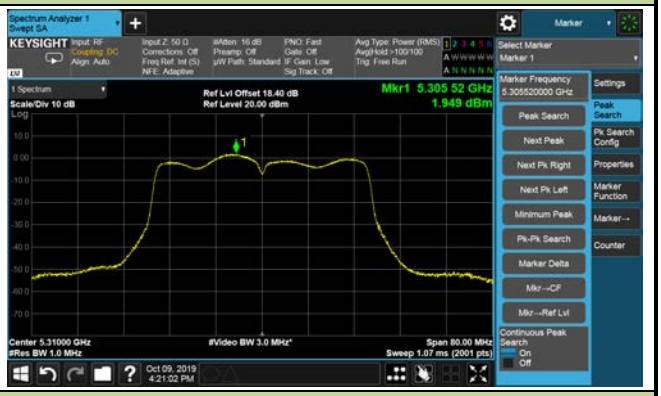
802.11ax-HE40 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 118 (5590MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

802.11ax-HE80 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3	
Channel 58 (5290MHz)	Channel 106 (5530MHz)
	
Channel 122 (5610MHz)	Channel 138 (5690MHz)
	

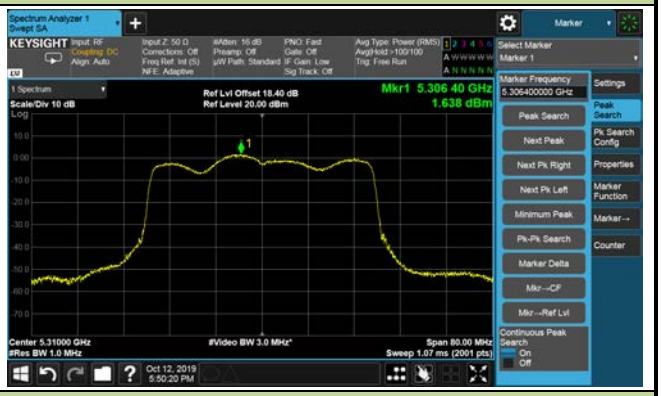
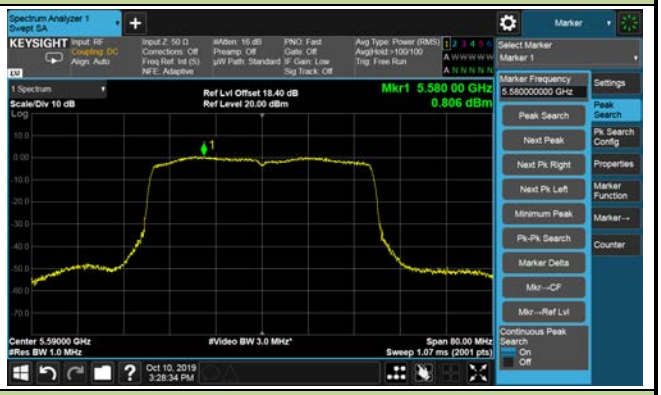
802.11ax-HE80 + 80 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3	
Channel 42 (5210MHz)	Channel 106 (5530MHz)
	

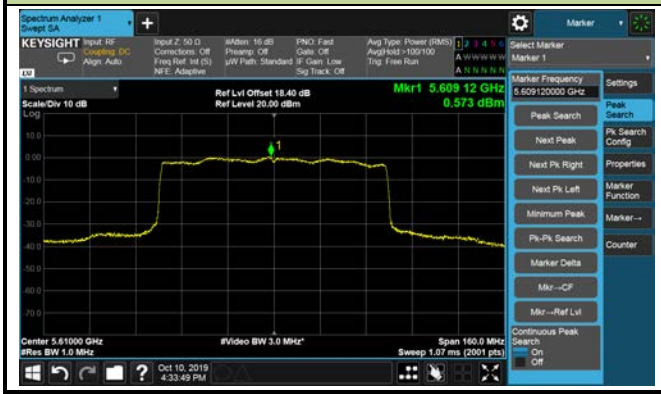
802.11a Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 52 (5260MHz)	Channel 60 (5300MHz)
	
Channel 64 (5320MHz)	Channel 100 (5500MHz)
	
Channel 120 (5600MHz)	Channel 140 (5700MHz)
	
Channel 144 (5720MHz)	
	

802.11n-HT20 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 52 (5260MHz)	Channel 60 (5300MHz)
	
Channel 64 (5320MHz)	Channel 100 (5500MHz)
	
Channel 120 (5600MHz)	Channel 140 (5700MHz)
	
Channel 144 (5720MHz)	
	

802.11n-HT40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 118 (5590MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

802.11ax-HE20 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 52 (5260MHz)	Channel 60 (5300MHz)
	
Channel 64 (5320MHz)	Channel 100 (5500MHz)
	
Channel 120 (5600MHz)	Channel 140 (5700MHz)
	
Channel 144 (5720MHz)	
	

802.11ax-HE40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 118 (5590MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

802.11ax-HE80 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 58 (5290MHz)	Channel 106 (5530MHz)
	
Channel 122 (5610MHz)	Channel 138 (5690MHz)
	

802.11ax-HE80 + 80 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 58 (5290MHz)	Channel 122 (5610MHz)
	

802.11a Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 52 (5260MHz)	Channel 60 (5300MHz)
	
Channel 64 (5320MHz)	Channel 100 (5500MHz)
	
Channel 120 (5600MHz)	Channel 140 (5700MHz)
	
Channel 144 (5720MHz)	
	

802.11n-HT20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 52 (5260MHz)	Channel 60 (5300MHz)
	
Channel 64 (5320MHz)	Channel 100 (5500MHz)
	
Channel 120 (5600MHz)	Channel 140 (5700MHz)
	
Channel 144 (5720MHz)	
	

802.11n-HT40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 118 (5590MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

802.11ax-HE20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 52 (5260MHz)	Channel 60 (5300MHz)
	
Channel 64 (5320MHz)	Channel 100 (5500MHz)
	
Channel 120 (5600MHz)	Channel 140 (5700MHz)
	
Channel 144 (5720MHz)	
	

802.11ax-HE40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 118 (5590MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

802.11ax-HE80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 58 (5290MHz)	Channel 106 (5530MHz)
	
Channel 122 (5610MHz)	Channel 138 (5690MHz)
	

802.11ax-HE80 + 80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 58 (5290MHz)	Channel 122 (5610MHz)
	

7.7. Frequency Stability Measurement

7.7.1.Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ±20 ppm maximum for the 5GHz band (IEEE 802.11 specification).

7.7.2.Test Procedure Used

Frequency Stability Under Temperature Variations:

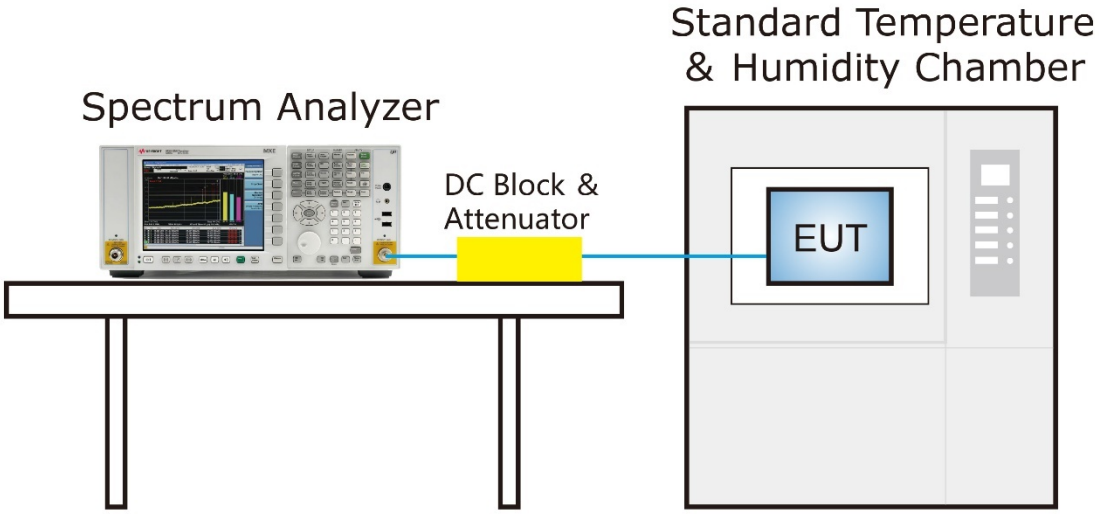
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, recordthe maximum frequency change.

7.7.3.Test Setup



7.7.4.Test Result

Refer to MRT Report - “1909RSU036-U3”.

7.8. Radiated Spurious Emission Measurement

7.8.1.Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Field Strength (uV/m)	Measured Distance (Meters)
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.8.2.Test Procedure Used

KDB 789033 D02v02r01 – Section G

7.8.3.Test Setting

Quasi-Peak& Average Measurements below30MHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 200Hz for 9kHz to 150kHz frequency; RBW = 9kHz for 0.15MHz to 30MHz frequency
4. Detector = CISPR quasi-peak or power average (Average)
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

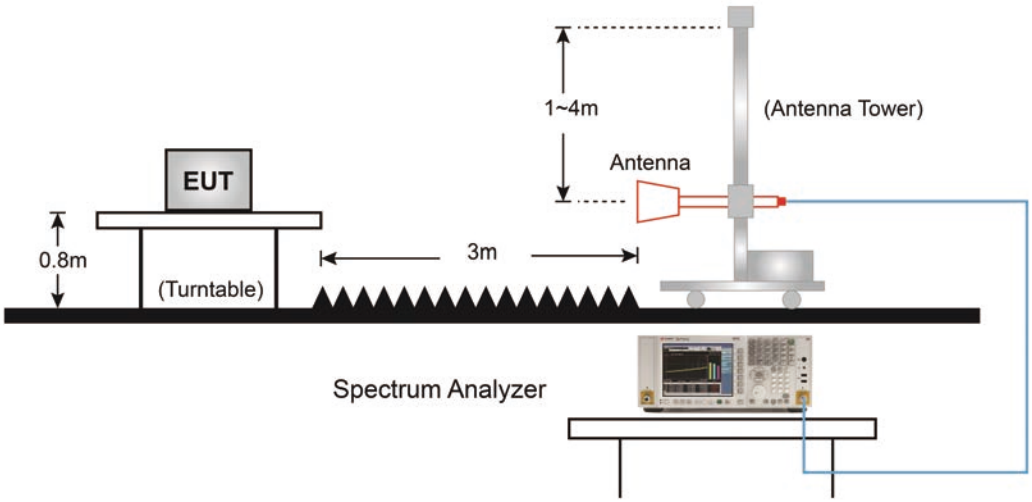
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

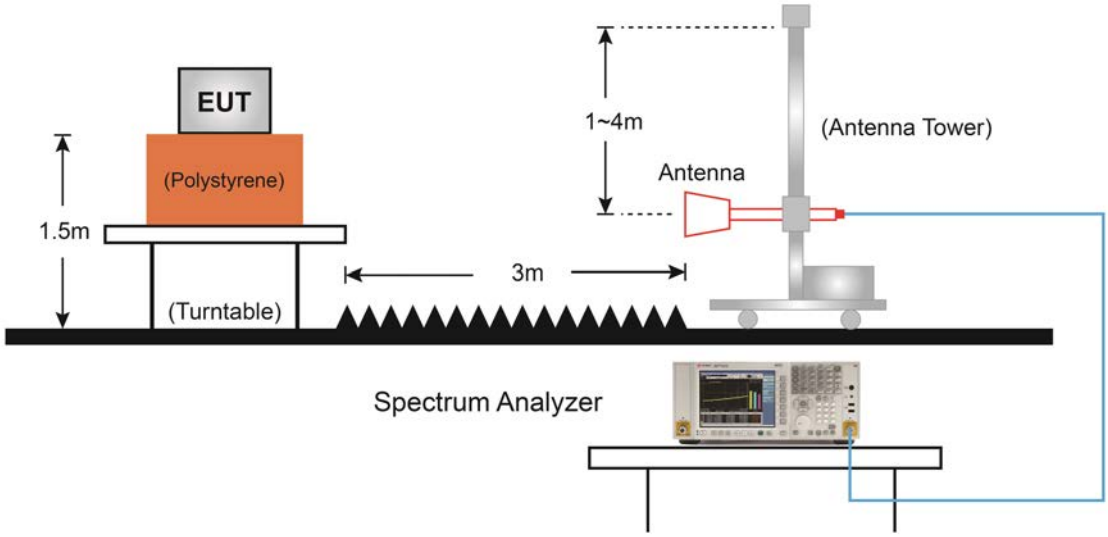
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. Ifduty cycle ≥ 98%, VBW ≤ RBW/100 but not less than 10Hz; If duty cycle < 98%, set VBW≥1/T.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of 1/x, where x is the duty cycle.

7.8.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



7.8.5.Test Result

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11a	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10129.0	31.9	15.3	47.2	68.2	-21.0	Peak	Horizontal
*	10520.0	32.4	16.7	49.1	68.2	-19.1	Peak	Horizontal
	11659.0	30.1	20.0	50.1	74.0	-23.9	Peak	Horizontal
	12628.0	30.1	20.3	50.4	74.0	-23.6	Peak	Horizontal
*	9746.5	31.9	13.9	45.8	68.2	-22.4	Peak	Vertical
*	10129.0	31.7	15.3	47.0	68.2	-21.2	Peak	Vertical
	10902.5	30.9	18.3	49.2	74.0	-24.8	Peak	Vertical
	12228.5	31.0	19.4	50.4	74.0	-23.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11a	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9772.0	32.0	14.0	46.0	68.2	-22.2	Peak	Horizontal
*	10520.0	30.7	16.7	47.4	68.2	-20.8	Peak	Horizontal
	11064.0	30.9	18.5	49.4	74.0	-24.6	Peak	Horizontal
	12007.5	30.3	19.5	49.8	74.0	-24.2	Peak	Horizontal
*	9551.0	32.1	13.5	45.6	68.2	-22.6	Peak	Vertical
*	10129.0	32.9	15.3	48.2	68.2	-20.0	Peak	Vertical
	10928.0	31.6	18.3	49.9	74.0	-24.1	Peak	Vertical
	11378.5	30.6	19.4	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11a	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9627.5	32.2	13.6	45.8	68.2	-22.4	Peak	Horizontal
*	10435.0	32.2	15.9	48.1	68.2	-20.1	Peak	Horizontal
	11217.0	30.5	19.1	49.6	74.0	-24.4	Peak	Horizontal
	12084.0	30.4	19.9	50.3	74.0	-23.7	Peak	Horizontal
*	9772.0	32.3	14.0	46.3	68.2	-21.9	Peak	Vertical
*	10341.5	31.2	16.0	47.2	68.2	-21.0	Peak	Vertical
	11217.0	29.8	19.1	48.9	74.0	-25.1	Peak	Vertical
	11650.5	30.5	19.7	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11a	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9534.0	32.5	13.6	46.1	68.2	-22.1	Peak	Horizontal
*	10503.0	31.2	16.7	47.9	68.2	-20.3	Peak	Horizontal
	10996.0	32.9	18.6	51.5	74.0	-22.5	Peak	Horizontal
	11540.0	30.5	19.9	50.4	74.0	-23.6	Peak	Horizontal
*	9763.5	32.6	14.0	46.6	68.2	-21.6	Peak	Vertical
*	10452.0	31.6	16.4	48.0	68.2	-20.2	Peak	Vertical
	10928.0	31.3	18.3	49.6	74.0	-24.4	Peak	Vertical
	11616.5	31.6	19.2	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11a	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10120.5	31.9	15.0	46.9	68.2	-21.3	Peak	Horizontal
*	10460.5	32.0	16.4	48.4	68.2	-19.8	Peak	Horizontal
	11200.0	34.1	18.9	53.0	74.0	-21.0	Peak	Horizontal
	11489.0	30.9	20.2	51.1	74.0	-22.9	Peak	Horizontal
*	9712.5	32.7	13.7	46.4	68.2	-21.8	Peak	Vertical
*	10452.0	31.2	16.4	47.6	68.2	-20.6	Peak	Vertical
	11174.5	30.9	18.3	49.2	74.0	-24.8	Peak	Vertical
	12075.5	30.8	19.7	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11a	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10120.5	32.8	15.0	47.8	68.2	-20.4	Peak	Horizontal
*	10409.5	31.8	16.3	48.1	68.2	-20.1	Peak	Horizontal
	10902.5	31.3	18.3	49.6	74.0	-24.4	Peak	Horizontal
	11400.0	33.1	19.1	52.2	54.0	-1.8	Average	Horizontal
*	9772.0	32.2	14.0	46.2	68.2	-22.0	Peak	Vertical
*	10452.0	32.8	16.4	49.2	68.2	-19.0	Peak	Vertical
	10877.0	31.5	18.3	49.8	74.0	-24.2	Peak	Vertical
	11684.5	29.5	19.1	48.6	74.0	-25.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11a	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9695.5	32.8	13.6	46.4	68.2	-21.8	Peak	Horizontal
*	10001.5	32.1	14.3	46.4	68.2	-21.8	Peak	Horizontal
	11438.0	33.6	19.4	53.0	74.0	-21.0	Peak	Horizontal
	12135.0	30.2	19.9	50.1	74.0	-23.9	Peak	Horizontal
*	9763.5	33.2	14.0	47.2	68.2	-21.0	Peak	Vertical
*	10265.0	30.9	15.4	46.3	68.2	-21.9	Peak	Vertical
	10885.5	31.4	18.3	49.7	74.0	-24.3	Peak	Vertical
	12101.0	30.6	19.6	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT20	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9721.0	32.2	13.7	45.9	68.2	-22.3	Peak	Horizontal
*	10129.0	32.9	15.3	48.2	68.2	-20.0	Peak	Horizontal
	10877.0	31.0	18.3	49.3	74.0	-24.7	Peak	Horizontal
	11650.5	31.1	19.7	50.8	74.0	-23.2	Peak	Horizontal
*	9746.5	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
*	10511.5	31.6	16.7	48.3	68.2	-19.9	Peak	Vertical
	11089.5	31.5	18.4	49.9	74.0	-24.1	Peak	Vertical
	11778.0	30.6	19.6	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT20	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9806.0	32.2	14.2	46.4	68.2	-21.8	Peak	Horizontal
*	10596.5	32.1	16.6	48.7	68.2	-19.5	Peak	Horizontal
	11489.0	30.2	20.2	50.4	74.0	-23.6	Peak	Horizontal
	12186.0	29.8	20.2	50.0	74.0	-24.0	Peak	Horizontal
*	9678.5	33.0	13.6	46.6	68.2	-21.6	Peak	Vertical
*	10324.5	31.9	15.7	47.6	68.2	-20.6	Peak	Vertical
	11217.0	30.9	19.1	50.0	74.0	-24.0	Peak	Vertical
	12084.0	30.2	19.9	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT20	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9908.0	33.0	14.2	47.2	68.2	-21.0	Peak	Horizontal
*	10409.5	31.1	16.3	47.4	68.2	-20.8	Peak	Horizontal
	11659.0	30.5	20.0	50.5	74.0	-23.5	Peak	Horizontal
	12007.5	31.2	19.5	50.7	74.0	-23.3	Peak	Horizontal
*	9602.0	32.8	13.6	46.4	68.2	-21.8	Peak	Vertical
*	10554.0	31.9	16.8	48.7	68.2	-19.5	Peak	Vertical
	10962.0	31.3	18.5	49.8	74.0	-24.2	Peak	Vertical
	12356.0	30.3	19.6	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT20	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9653.0	32.1	13.7	45.8	68.2	-22.4	Peak	Horizontal
*	10129.0	32.5	15.3	47.8	68.2	-20.4	Peak	Horizontal
	10996.0	31.8	18.6	50.4	74.0	-23.6	Peak	Horizontal
	12628.0	30.0	20.3	50.3	74.0	-23.7	Peak	Horizontal
*	9738.0	32.2	13.8	46.0	68.2	-22.2	Peak	Vertical
*	10579.5	32.0	16.8	48.8	68.2	-19.4	Peak	Vertical
	11149.0	31.4	18.5	49.9	74.0	-24.1	Peak	Vertical
	12084.0	30.1	19.9	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT20	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9704.0	31.6	13.7	45.3	68.2	-22.9	Peak	Horizontal
*	10358.5	31.6	16.1	47.7	68.2	-20.5	Peak	Horizontal
	11200.0	33.6	18.9	52.5	74.0	-21.5	Peak	Horizontal
	12067.0	30.8	19.5	50.3	74.0	-23.7	Peak	Horizontal
*	9865.5	33.1	14.1	47.2	68.2	-21.0	Peak	Vertical
*	10562.5	31.7	16.9	48.6	68.2	-19.6	Peak	Vertical
	11081.0	30.8	18.3	49.1	74.0	-24.9	Peak	Vertical
	11659.0	29.5	20.0	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT20	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9627.5	32.8	13.6	46.4	68.2	-21.8	Peak	Horizontal
*	10129.0	32.7	15.3	48.0	68.2	-20.2	Peak	Horizontal
	11395.5	33.8	19.3	53.1	74.0	-20.9	Peak	Horizontal
	12033.0	30.4	19.5	49.9	74.0	-24.1	Peak	Horizontal
*	9644.5	32.2	13.7	45.9	68.2	-22.3	Peak	Vertical
*	10554.0	32.3	16.8	49.1	68.2	-19.1	Peak	Vertical
	10885.5	30.9	18.3	49.2	74.0	-24.8	Peak	Vertical
	11531.5	30.1	19.7	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT20	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9585.0	32.8	13.6	46.4	68.2	-21.8	Peak	Horizontal
*	10545.5	32.1	16.6	48.7	68.2	-19.5	Peak	Horizontal
	11438.0	33.5	19.4	52.9	74.0	-21.1	Peak	Horizontal
	12296.5	30.3	19.7	50.0	74.0	-24.0	Peak	Horizontal
*	9534.0	32.5	13.6	46.1	68.2	-22.1	Peak	Vertical
*	10384.0	31.7	16.3	48.0	68.2	-20.2	Peak	Vertical
	11591.0	29.7	19.8	49.5	74.0	-24.5	Peak	Vertical
	12177.5	30.4	19.9	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT40	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10103.5	34.0	14.7	48.7	68.2	-19.5	Peak	Horizontal
*	10384.0	33.3	16.3	49.6	68.2	-18.6	Peak	Horizontal
	11778.0	31.8	19.6	51.4	74.0	-22.6	Peak	Horizontal
	12092.5	32.1	19.7	51.8	74.0	-22.2	Peak	Horizontal
*	9593.5	34.0	13.6	47.6	68.2	-20.6	Peak	Vertical
*	10137.5	33.5	15.1	48.6	68.2	-19.6	Peak	Vertical
	10962.0	32.8	18.5	51.3	74.0	-22.7	Peak	Vertical
	11812.0	32.0	19.4	51.4	74.0	-22.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT40	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10061.0	34.3	14.7	49.0	68.2	-19.2	Peak	Horizontal
*	10494.5	34.5	16.5	51.0	68.2	-17.2	Peak	Horizontal
	10834.5	32.9	17.7	50.6	74.0	-23.4	Peak	Horizontal
	11599.5	32.5	19.7	52.2	74.0	-21.8	Peak	Horizontal
*	10129.0	33.3	15.3	48.6	68.2	-19.6	Peak	Vertical
*	10494.5	34.3	16.5	50.8	68.2	-17.4	Peak	Vertical
	11489.0	31.2	20.2	51.4	74.0	-22.6	Peak	Vertical
	12135.0	31.4	19.9	51.3	74.0	-22.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT40	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10129.0	33.8	15.3	49.1	68.2	-19.1	Peak	Horizontal
*	10494.5	33.0	16.5	49.5	68.2	-18.7	Peak	Horizontal
	11489.0	30.9	20.2	51.1	74.0	-22.9	Peak	Horizontal
	12033.0	32.2	19.5	51.7	74.0	-22.3	Peak	Horizontal
*	9806.0	34.0	14.2	48.2	68.2	-20.0	Peak	Vertical
*	10137.5	33.8	15.1	48.9	68.2	-19.3	Peak	Vertical
	11480.5	31.4	19.7	51.1	74.0	-22.9	Peak	Vertical
	12177.5	31.5	19.9	51.4	74.0	-22.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT40	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9772.0	34.6	14.0	48.6	68.2	-19.6	Peak	Horizontal
	11106.5	32.8	18.4	51.2	74.0	-22.8	Peak	Horizontal
	12075.5	31.5	19.7	51.2	74.0	-22.8	Peak	Horizontal
*	16767.5	36.2	22.6	58.8	68.2	-9.4	Peak	Horizontal
*	10248.0	33.1	15.5	48.6	68.2	-19.6	Peak	Vertical
	11004.5	33.0	18.4	51.4	74.0	-22.6	Peak	Vertical
	11914.0	32.5	19.5	52.0	74.0	-22.0	Peak	Vertical
*	16767.5	39.7	22.6	62.3	68.2	-5.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT40	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9695.5	34.2	13.6	47.8	68.2	-20.4	Peak	Horizontal
*	10384.0	32.6	16.3	48.9	68.2	-19.3	Peak	Horizontal
	10809.0	33.5	17.5	51.0	74.0	-23.0	Peak	Horizontal
	12024.5	31.9	19.6	51.5	74.0	-22.5	Peak	Horizontal
*	9661.5	34.0	13.6	47.6	68.2	-20.6	Peak	Vertical
*	10129.0	34.7	15.3	50.0	68.2	-18.2	Peak	Vertical
	11319.0	32.5	19.2	51.7	74.0	-22.3	Peak	Vertical
	11616.5	32.5	19.2	51.7	74.0	-22.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11n-HT40	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9610.5	34.5	13.5	48.0	68.2	-20.2	Peak	Horizontal
*	10571.0	34.1	16.9	51.0	68.2	-17.2	Peak	Horizontal
	11540.0	32.2	19.9	52.1	74.0	-21.9	Peak	Horizontal
	12959.5	31.8	20.9	52.7	74.0	-21.3	Peak	Horizontal
*	10103.5	33.6	14.7	48.3	68.2	-19.9	Peak	Vertical
*	10511.5	34.0	16.7	50.7	68.2	-17.5	Peak	Vertical
	10902.5	32.9	18.3	51.2	74.0	-22.8	Peak	Vertical
	11421.0	33.8	19.3	53.1	74.0	-20.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11ax-HE20	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7094.5	34.1	11.1	45.2	68.2	-23.0	Peak	Horizontal
	7536.5	33.9	11.7	45.6	74.0	-28.4	Peak	Horizontal
	8378.0	34.1	11.3	45.4	74.0	-28.6	Peak	Horizontal
*	9712.5	34.6	13.7	48.3	68.2	-19.9	Peak	Horizontal
	8463.0	32.3	11.4	43.7	74.0	-30.3	Peak	Vertical
	9168.5	33.3	13.8	47.1	74.0	-26.9	Peak	Vertical
*	9695.5	34.8	13.6	48.4	68.2	-19.8	Peak	Vertical
*	10503.0	34.0	16.7	50.7	68.2	-17.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11ax-HE20	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8097.5	32.8	11.6	44.4	74.0	-29.6	Peak	Horizontal
*	8641.5	32.9	12.2	45.1	68.2	-23.1	Peak	Horizontal
	9160.0	32.5	13.9	46.4	74.0	-27.6	Peak	Horizontal
*	10358.5	33.8	16.1	49.9	68.2	-18.3	Peak	Horizontal
*	7120.0	34.9	10.8	45.7	68.2	-22.5	Peak	Vertical
	8250.5	34.0	11.3	45.3	74.0	-28.7	Peak	Vertical
*	8871.0	32.8	12.7	45.5	68.2	-22.7	Peak	Vertical
	10809.0	33.2	17.5	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/12
Test Mode:	802.11ax-HE20	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	33.6	11.8	45.4	74.0	-28.6	Peak	Horizontal
*	7953.0	33.9	11.6	45.5	68.2	-22.7	Peak	Horizontal
*	8607.5	33.8	12.1	45.9	68.2	-22.3	Peak	Horizontal
	9381.0	32.2	13.5	45.7	74.0	-28.3	Peak	Horizontal
	8174.0	34.4	11.6	46.0	74.0	-28.0	Peak	Vertical
	9083.5	33.8	13.1	46.9	74.0	-27.1	Peak	Vertical
*	10163.0	33.9	15.0	48.9	68.2	-19.3	Peak	Vertical
*	10477.5	31.2	16.3	47.5	68.2	-20.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE20	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9143.0	33.1	13.6	46.7	74.0	-27.3	Peak	Horizontal
*	9755.0	34.1	14.0	48.1	68.2	-20.1	Peak	Horizontal
*	10571.0	33.4	16.9	50.3	68.2	-17.9	Peak	Horizontal
	11582.5	32.3	19.5	51.8	74.0	-22.2	Peak	Horizontal
*	8675.5	33.8	12.3	46.1	68.2	-22.1	Peak	Vertical
	9466.0	31.3	13.4	44.7	74.0	-29.3	Peak	Vertical
*	10129.0	33.7	15.3	49.0	68.2	-19.2	Peak	Vertical
	10945.0	32.8	18.4	51.2	74.0	-22.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE20	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8658.5	32.8	12.3	45.1	68.2	-23.1	Peak	Horizontal
*	9092.0	32.3	13.3	45.6	74.0	-28.4	Peak	Horizontal
*	9338.5	32.5	13.5	46.0	74.0	-28.0	Peak	Horizontal
	10112.0	34.8	14.7	49.5	68.2	-18.7	Peak	Horizontal
	8658.5	32.7	12.3	45.0	68.2	-23.2	Peak	Vertical
*	9168.5	33.2	13.8	47.0	74.0	-27.0	Peak	Vertical
*	10129.0	34.0	15.3	49.3	68.2	-18.9	Peak	Vertical
	11200.0	34.0	18.9	52.9	74.0	-21.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE20	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8624.5	33.4	12.1	45.5	68.2	-22.7	Peak	Horizontal
	9160.0	33.3	13.9	47.2	74.0	-26.8	Peak	Horizontal
*	10129.0	33.3	15.3	48.6	68.2	-19.6	Peak	Horizontal
	11506.0	32.4	19.5	51.9	74.0	-22.1	Peak	Horizontal
	7613.0	34.2	11.3	45.5	74.0	-28.5	Peak	Vertical
*	8675.5	35.5	12.3	47.8	68.2	-20.4	Peak	Vertical
	9381.0	32.5	13.5	46.0	74.0	-28.0	Peak	Vertical
*	10426.5	34.3	16.0	50.3	68.2	-17.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE20	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7876.5	32.6	11.6	44.2	68.2	-24.0	Peak	Horizontal
	9100.5	34.0	13.3	47.3	74.0	-26.7	Peak	Horizontal
*	10384.0	33.7	16.3	50.0	68.2	-18.2	Peak	Horizontal
	10860.0	33.2	17.9	51.1	74.0	-22.9	Peak	Horizontal
	7502.5	33.7	11.8	45.5	74.0	-28.5	Peak	Vertical
*	7868.0	34.2	11.6	45.8	68.2	-22.4	Peak	Vertical
	8242.0	34.4	11.4	45.8	74.0	-28.2	Peak	Vertical
*	8650.0	33.8	12.3	46.1	68.2	-22.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE40	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	33.8	11.8	45.6	74.0	-28.4	Peak	Horizontal
*	8658.5	34.6	12.3	46.9	68.2	-21.3	Peak	Horizontal
*	9704.0	34.3	13.7	48.0	68.2	-20.2	Peak	Horizontal
	11081.0	32.5	18.3	50.8	74.0	-23.2	Peak	Horizontal
*	8641.5	34.8	12.2	47.0	68.2	-21.2	Peak	Vertical
	9168.5	33.9	13.8	47.7	74.0	-26.3	Peak	Vertical
*	10154.5	34.2	14.9	49.1	68.2	-19.1	Peak	Vertical
	10885.5	33.4	18.3	51.7	74.0	-22.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE40	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7358.0	33.8	11.8	45.6	74.0	-28.4	Peak	Horizontal
	8182.5	33.4	11.6	45.0	74.0	-29.0	Peak	Horizontal
*	8607.5	34.1	12.1	46.2	68.2	-22.0	Peak	Horizontal
*	9704.0	35.1	13.7	48.8	68.2	-19.4	Peak	Horizontal
	7256.0	33.6	11.9	45.5	74.0	-28.5	Peak	Vertical
	7604.5	34.8	11.4	46.2	74.0	-27.8	Peak	Vertical
*	8633.0	33.9	12.2	46.1	68.2	-22.1	Peak	Vertical
*	10001.5	31.6	14.3	45.9	68.2	-22.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE40	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	33.8	11.8	45.6	74.0	-28.4	Peak	Horizontal
	8174.0	34.3	11.6	45.9	74.0	-28.1	Peak	Horizontal
*	8956.0	33.7	12.4	46.1	68.2	-22.1	Peak	Horizontal
*	10129.0	33.5	15.3	48.8	68.2	-19.4	Peak	Horizontal
	7715.0	34.4	11.5	45.9	74.0	-28.1	Peak	Vertical
*	9687.0	34.1	13.6	47.7	68.2	-20.5	Peak	Vertical
*	10120.5	34.6	15.0	49.6	68.2	-18.6	Peak	Vertical
	11608.0	32.2	19.5	51.7	74.0	-22.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE40	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8650.0	33.8	12.3	46.1	68.2	-22.1	Peak	Horizontal
*	10129.0	33.2	15.3	48.5	68.2	-19.7	Peak	Horizontal
	10851.5	32.8	17.9	50.7	74.0	-23.3	Peak	Horizontal
	11548.5	32.4	19.8	52.2	74.0	-21.8	Peak	Horizontal
	9109.0	33.0	13.3	46.3	74.0	-27.7	Peak	Vertical
*	9797.5	33.7	14.1	47.8	68.2	-20.4	Peak	Vertical
*	10571.0	34.2	16.9	51.1	68.2	-17.1	Peak	Vertical
	11591.0	31.6	19.8	51.4	74.0	-22.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE40	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	33.3	12.2	45.5	68.2	-22.7	Peak	Horizontal
*	10129.0	33.6	15.3	48.9	68.2	-19.3	Peak	Horizontal
	10877.0	32.4	18.3	50.7	74.0	-23.3	Peak	Horizontal
	11548.5	31.7	19.8	51.5	74.0	-22.5	Peak	Horizontal
	7366.5	31.7	11.9	43.6	74.0	-30.4	Peak	Vertical
	8131.5	34.4	11.6	46.0	74.0	-28.0	Peak	Vertical
*	8675.5	33.4	12.3	45.7	68.2	-22.5	Peak	Vertical
*	10460.5	33.7	16.4	50.1	68.2	-18.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE40	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8658.5	34.0	12.3	46.3	68.2	-21.9	Peak	Horizontal
*	9780.5	34.0	14.0	48.0	68.2	-20.2	Peak	Horizontal
	10860.0	33.3	17.9	51.2	74.0	-22.8	Peak	Horizontal
	11421.0	32.4	19.3	51.7	74.0	-22.3	Peak	Horizontal
	7553.5	33.7	11.8	45.5	74.0	-28.5	Peak	Vertical
*	8701.0	34.6	12.5	47.1	68.2	-21.1	Peak	Vertical
*	9236.5	33.8	13.8	47.6	68.2	-20.6	Peak	Vertical
	11548.5	32.1	19.8	51.9	74.0	-22.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE80	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7885.0	34.9	11.5	46.4	68.2	-21.8	Peak	Horizontal
	9100.5	33.7	13.3	47.0	74.0	-27.0	Peak	Horizontal
*	10350.0	34.5	16.1	50.6	68.2	-17.6	Peak	Horizontal
	10860.0	33.7	17.9	51.6	74.0	-22.4	Peak	Horizontal
	7434.5	33.9	11.8	45.7	74.0	-28.3	Peak	Vertical
	8208.0	33.2	11.3	44.5	74.0	-29.5	Peak	Vertical
*	8641.5	34.5	12.2	46.7	68.2	-21.5	Peak	Vertical
*	10137.5	33.8	15.1	48.9	68.2	-19.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE80	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	31.9	12.8	44.7	68.2	-23.5	Peak	Horizontal
	9177.0	33.6	13.7	47.3	74.0	-26.7	Peak	Horizontal
*	10129.0	34.1	15.3	49.4	68.2	-18.8	Peak	Horizontal
	11540.0	31.9	19.9	51.8	74.0	-22.2	Peak	Horizontal
	7392.0	33.9	11.6	45.5	74.0	-28.5	Peak	Vertical
*	8599.0	34.1	12.1	46.2	68.2	-22.0	Peak	Vertical
	9134.5	33.7	13.4	47.1	74.0	-26.9	Peak	Vertical
*	9755.0	33.8	14.0	47.8	68.2	-20.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE80	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8191.0	34.4	11.6	46.0	74.0	-28.0	Peak	Horizontal
*	8811.5	31.3	12.8	44.1	68.2	-24.1	Peak	Horizontal
*	9755.0	34.4	14.0	48.4	68.2	-19.8	Peak	Horizontal
	11489.0	32.2	20.2	52.4	74.0	-21.6	Peak	Horizontal
	7434.5	32.7	11.8	44.5	74.0	-29.5	Peak	Vertical
	8131.5	32.4	11.6	44.0	74.0	-30.0	Peak	Vertical
*	8658.5	33.7	12.3	46.0	68.2	-22.2	Peak	Vertical
*	10129.0	33.9	15.3	49.2	68.2	-19.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE80	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	34.1	11.9	46.0	74.0	-28.0	Peak	Horizontal
	8165.5	33.9	11.5	45.4	74.0	-28.6	Peak	Horizontal
*	8607.5	34.5	12.1	46.6	68.2	-21.6	Peak	Horizontal
*	10171.5	33.5	15.1	48.6	68.2	-19.6	Peak	Horizontal
*	8726.5	33.6	12.8	46.4	68.2	-21.8	Peak	Vertical
*	10129.0	33.9	15.3	49.2	68.2	-19.0	Peak	Vertical
	10817.5	33.1	17.5	50.6	74.0	-23.4	Peak	Vertical
	11718.5	32.5	19.5	52.0	74.0	-22.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE80 + 80	Test Channel:	42 + 58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	33.5	12.0	45.5	74.0	-28.5	Peak	Horizontal
	8191.0	33.7	12.5	46.2	74.0	-27.8	Peak	Horizontal
*	8650.0	32.9	13.3	46.2	68.2	-22.0	Peak	Horizontal
*	9746.5	32.8	14.9	47.7	68.2	-20.5	Peak	Horizontal
	7613.0	34.0	11.9	45.9	74.0	-28.1	Peak	Vertical
	8182.5	33.3	12.4	45.7	74.0	-28.3	Peak	Vertical
*	8667.0	33.6	13.4	47.0	68.2	-21.2	Peak	Vertical
*	9899.5	33.6	15.2	48.8	68.2	-19.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	HIT Dragonfly Access Point	Temperature	26°C
Test Engineer	Tyler Yuan	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/12/13
Test Mode:	802.11ax-HE80 + 80	Test Channel:	106 + 122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	33.2	12.3	45.5	74.0	-28.5	Peak	Horizontal
	8208.0	33.5	12.2	45.7	74.0	-28.3	Peak	Horizontal
*	8650.0	33.1	13.3	46.4	68.2	-21.8	Peak	Horizontal
*	9670.0	34.1	14.3	48.4	68.2	-19.8	Peak	Horizontal
	7596.0	33.7	12.1	45.8	74.0	-28.2	Peak	Vertical
	8140.0	33.6	12.4	46.0	74.0	-28.0	Peak	Vertical
*	8607.5	34.1	13.3	47.4	68.2	-20.8	Peak	Vertical
*	9772.0	33.9	14.9	48.8	68.2	-19.4	Peak	Vertical

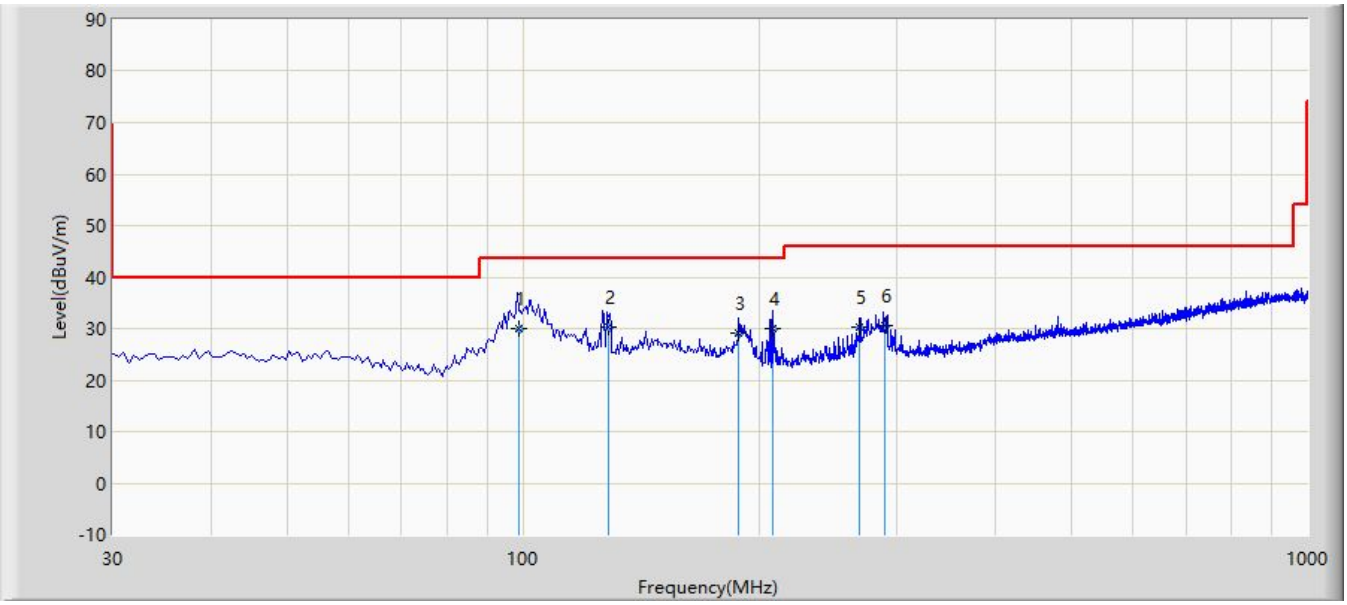
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/10/27 - 18:34
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: VULB9168_0.03-8GHz	Polarity: Horizontal
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Worst Case: Transmit by 802.11a at Channel 5320MHz	



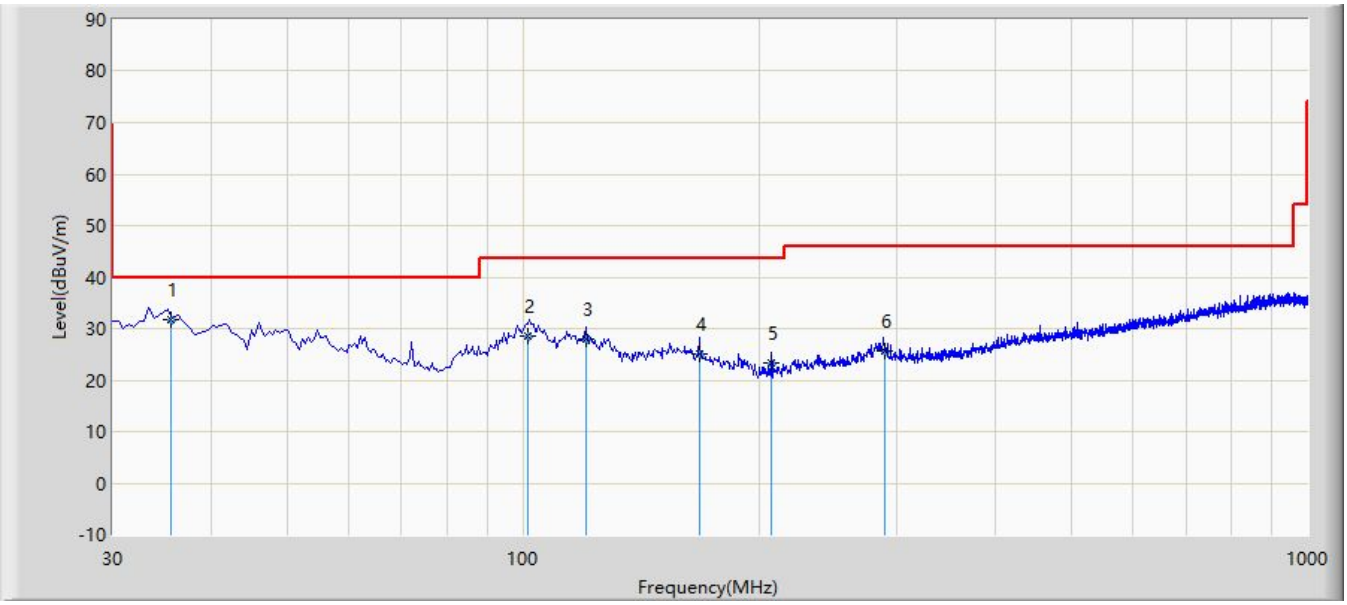
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			98.620	29.861	19.220	-13.639	43.500	10.641	QP
2		*	128.626	30.419	17.030	-13.081	43.500	13.390	QP
3			188.620	29.076	17.620	-14.424	43.500	11.456	QP
4			207.921	29.881	18.990	-13.619	43.500	10.891	QP
5			268.626	30.253	17.230	-15.747	46.000	13.023	QP
6			288.626	30.463	16.900	-15.537	46.000	13.563	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

Site: AC2	Time: 2019/10/27 - 18:55
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: VULB9168_0.03-8GHz	Polarity: Vertical
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Worst Case: Transmit by 802.11a at Channel 5320MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	35.621	31.795	17.950	-8.205	40.000	13.845	QP
2			101.635	28.471	17.560	-15.029	43.500	10.912	QP
3			120.360	27.978	15.080	-15.522	43.500	12.897	QP
4			167.650	25.155	10.980	-18.345	43.500	14.175	QP
5			207.150	23.406	12.530	-20.094	43.500	10.877	QP
6			288.626	25.593	12.030	-20.407	46.000	13.563	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

7.9. Radiated RestrictedBand Edge Measurement

7.9.1.Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42-16.423	399.9 - 410	4.5-5.15
[1] 0.495 - 0.505	16.69475-16.69525	608 - 614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960 - 1240	7.25-7.75
4.125-4.128	25.5 -25.67	1300 - 1427	8.025 - 8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660 - 1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123 - 138	2200 - 2300	14.47-14.5
8.291-8.294	149.9-150.05	2310–2390	15.35-16.2
8.362-8.366	156.52475-156.525	2483.5 - 2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690 - 2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260 - 3267	23.6-24.0
12.29-12.293	167.72-173.2	3332 - 3339	31.2-31.8
12.51975-12.52025	240 - 285	3345.8 - 3358	36.43-36.5
12.57675-12.57725	322-335.4	3600 - 4400	([2])
13.36-13.41	--	--	--

For 15.407(b) requirement:

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

Refer to KDB 789033 D02v01r04 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27dBm/MHz.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title

47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz]	Field Strength (uV/m]	Measured Distance (Meters)
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.9.2.Test Procedure Used

KDB 789033 D02v02r01 – Section G

7.9.3.Test Setting

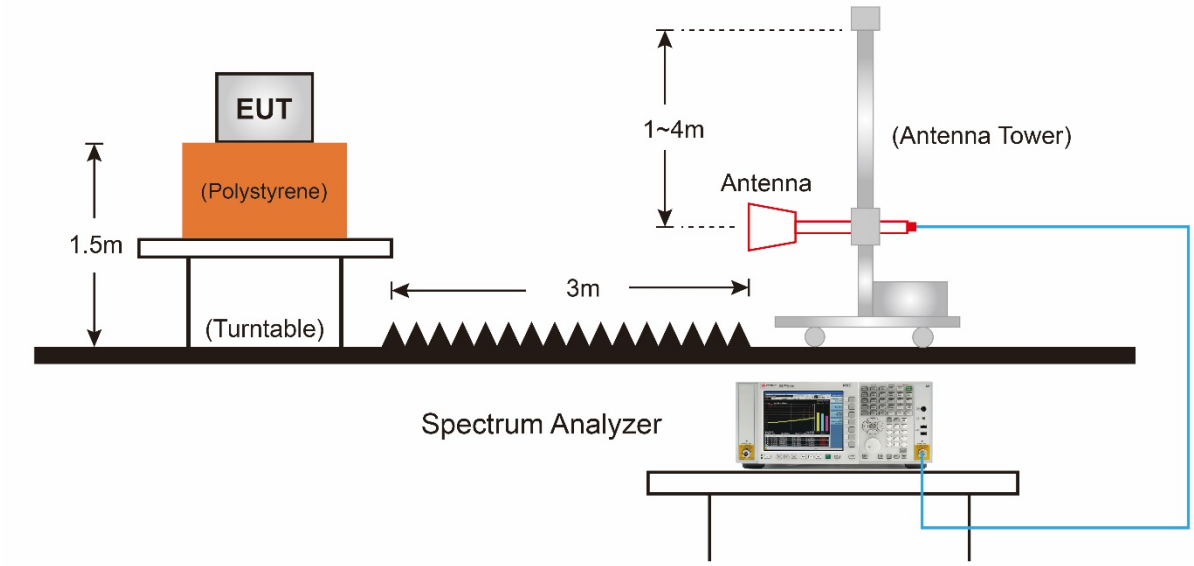
Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

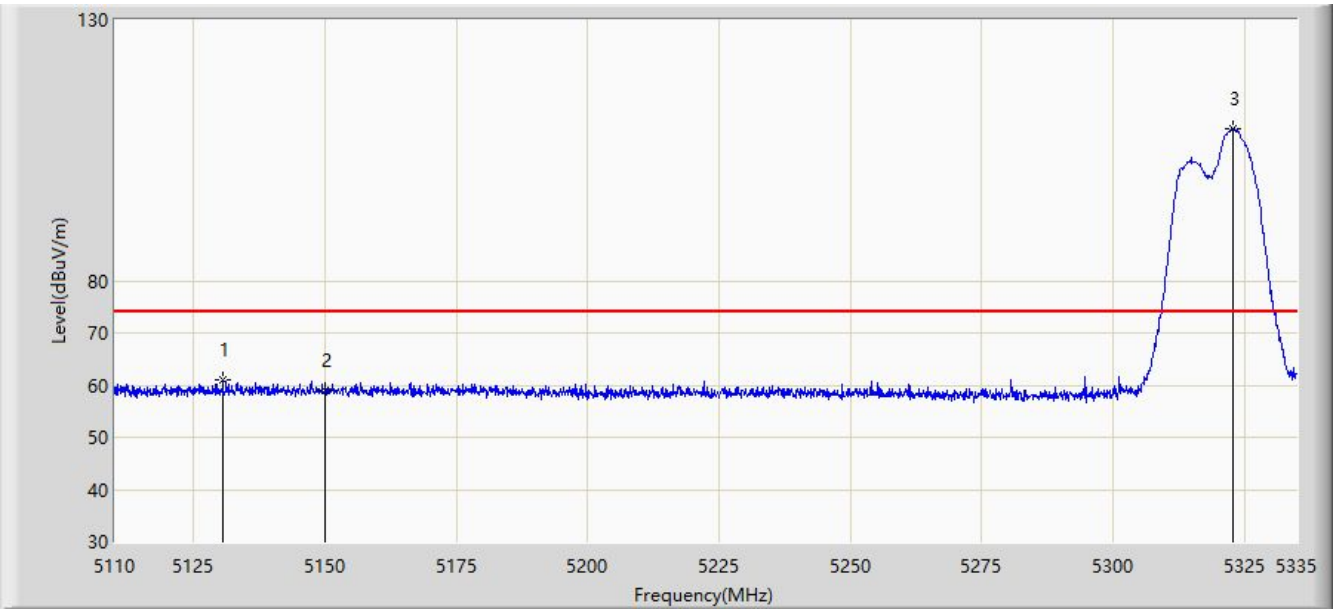
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. If duty cycle ≥ 98%, VBW ≤ RBW/100 but not less than 10Hz; If duty cycle < 98%, set VBW≥1/T.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of 1/x, where x is the duty cycle.

7.9.4.Test Setup



7.9.5.Test Result

Site: AC1	Time: 2020/02/21 - 15:23
Limit: FCC_Part15.209_RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5320MHz	

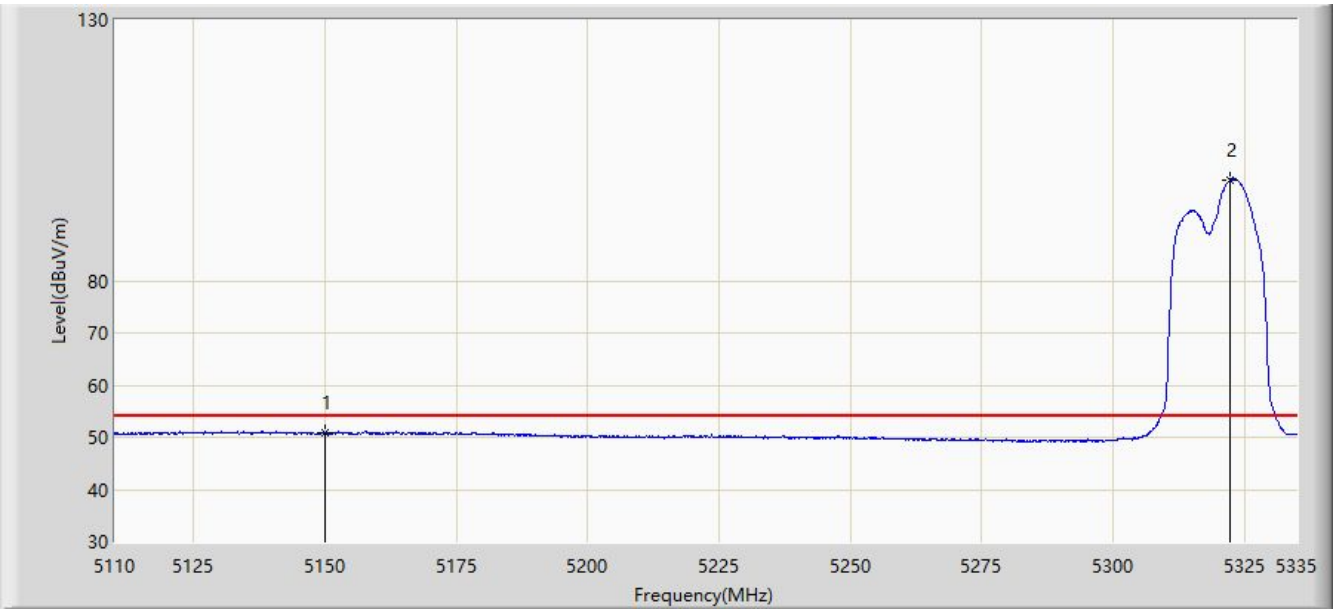


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5130.587	61.043	52.432	-12.957	74.000	8.611	PK
2			5150.000	59.078	50.550	-14.922	74.000	8.528	PK
3		*	5322.962	109.082	100.639	35.082	74.000	8.444	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2020/02/21 - 15:36
Limit: FCC_Part15.209_RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5320MHz	

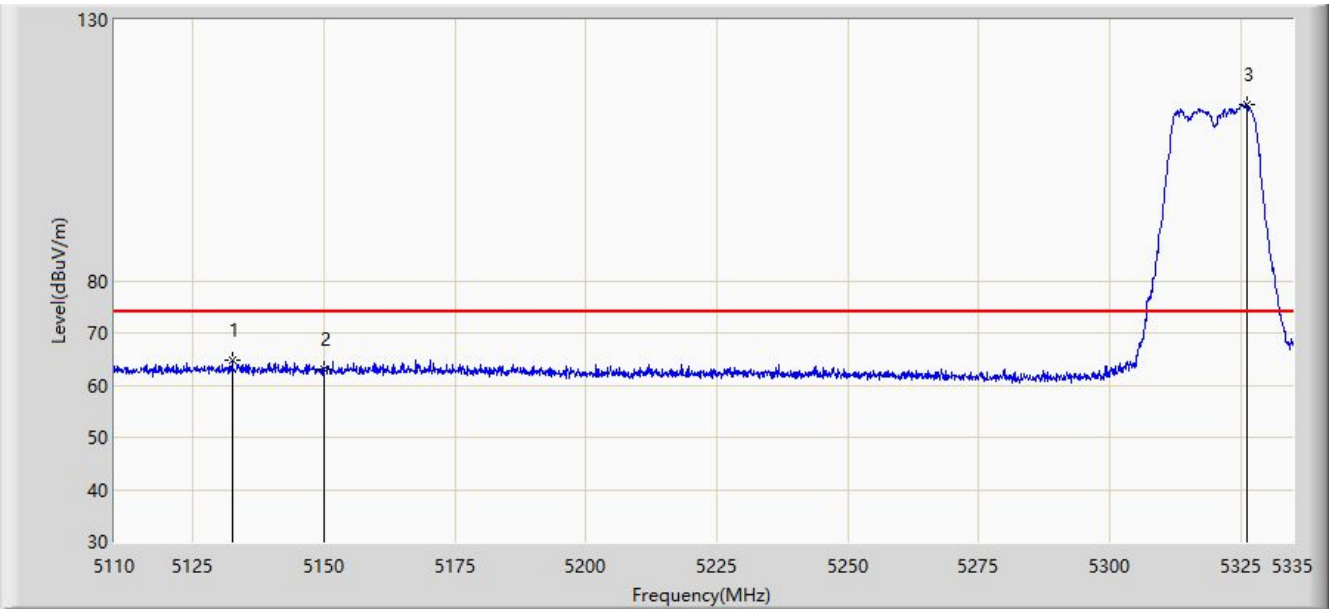


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.799	42.271	-3.201	54.000	8.528	AV
2		*	5322.288	99.411	90.970	45.411	54.000	8.441	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2020/02/21 - 15:39
Limit: FCC_Part15.209_RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5320MHz	

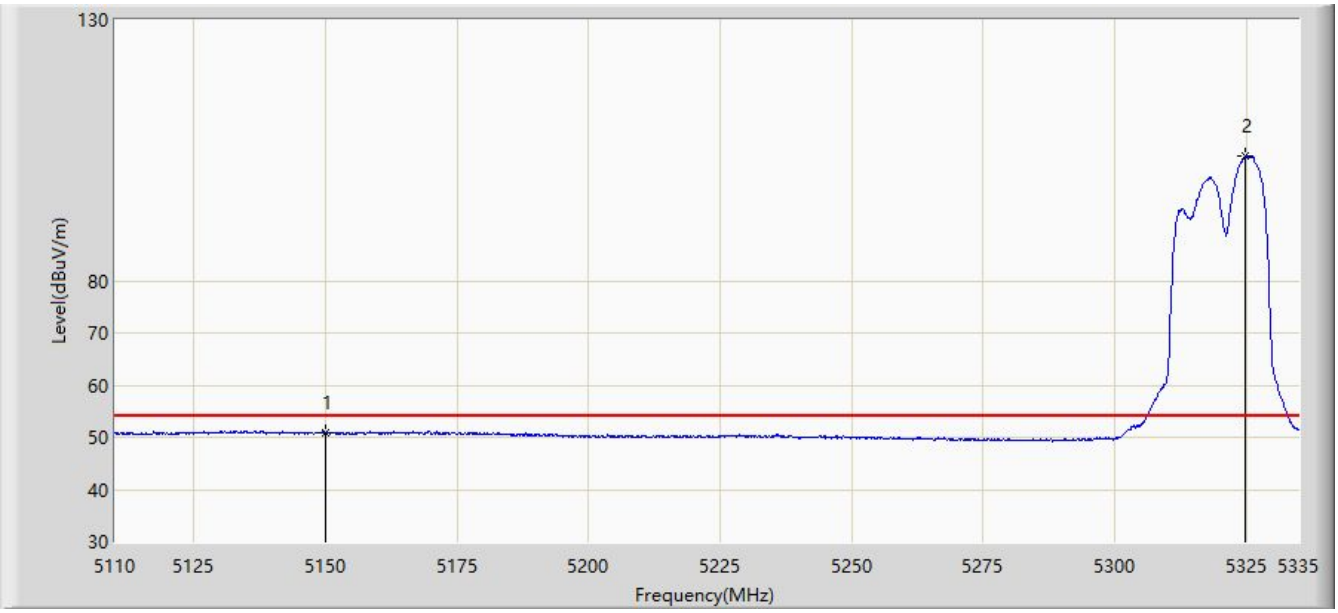


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5132.500	64.790	56.182	-9.210	74.000	8.608	PK
2			5150.000	62.936	54.408	-11.064	74.000	8.528	PK
3		*	5326.337	113.868	105.416	39.868	74.000	8.452	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2020/02/21 - 15:41
Limit: FCC_Part15.209_RSE(3m)	Engineer: Jason Gao
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5320MHz	

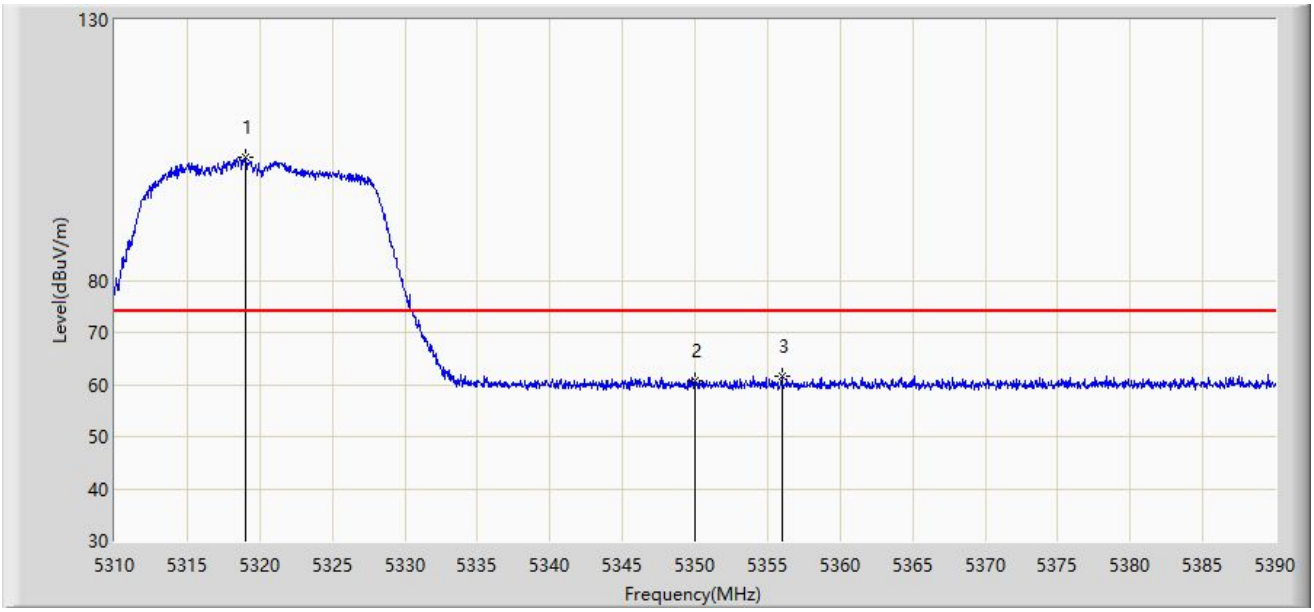


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.856	42.328	-3.144	54.000	8.528	AV
2		*	5324.875	103.809	95.361	49.809	54.000	8.449	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/11/04 - 17:04
Limit: FCC_Part15.209_RSE(3m)	Engineer: Tyler Yuan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5320MHz	

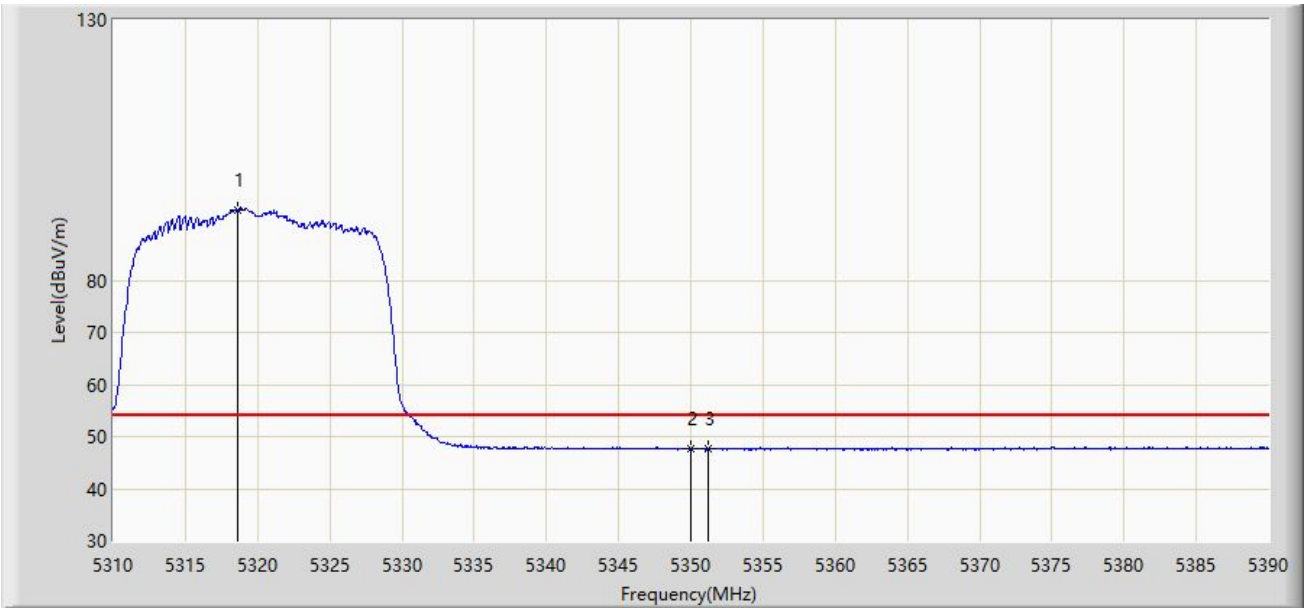


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5319.000	103.541	113.141	N/A	N/A	-9.600	PK
2			5350.000	60.680	70.150	-13.320	74.000	-9.469	PK
3			5356.000	61.613	71.089	-12.387	74.000	-9.476	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/11/04 - 17:50
Limit: FCC_Part15.209_RSE(3m)	Engineer: Tyler Yuan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5320MHz	

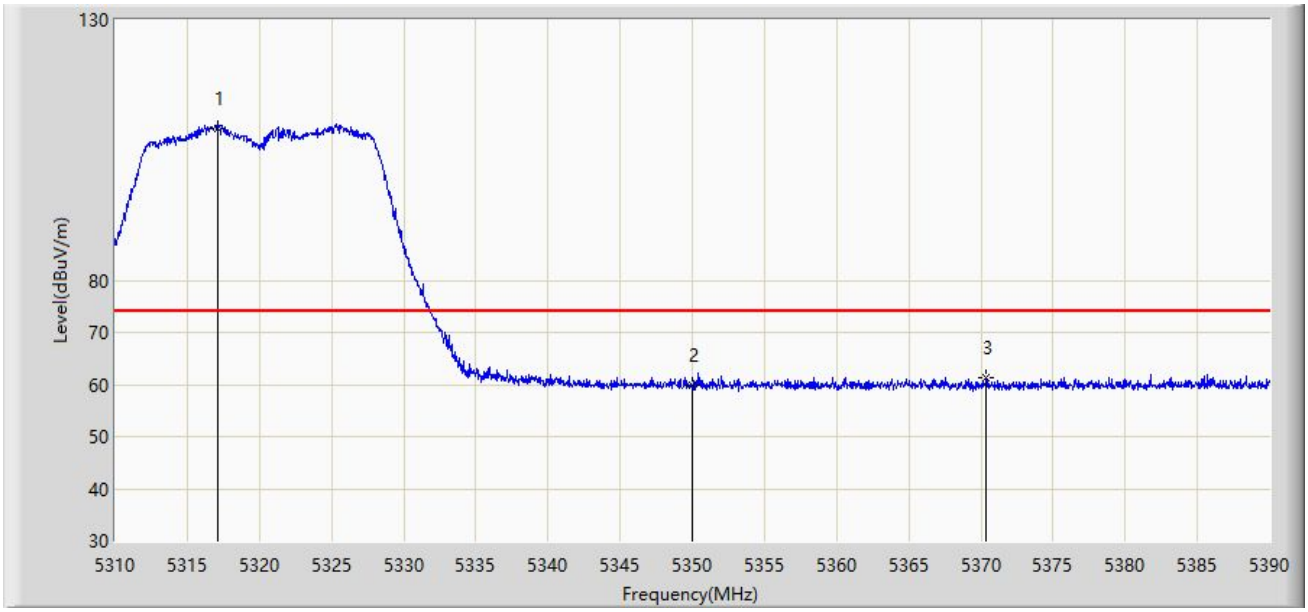


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.640	93.581	103.186	N/A	N/A	-9.604	AV
2			5350.000	47.643	57.113	-6.357	54.000	-9.469	AV
3			5351.160	47.761	57.235	-6.239	54.000	-9.474	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/11/04 - 17:52
Limit: FCC_Part15.209_RSE(3m)	Engineer: Tyler Yuan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5320MHz	

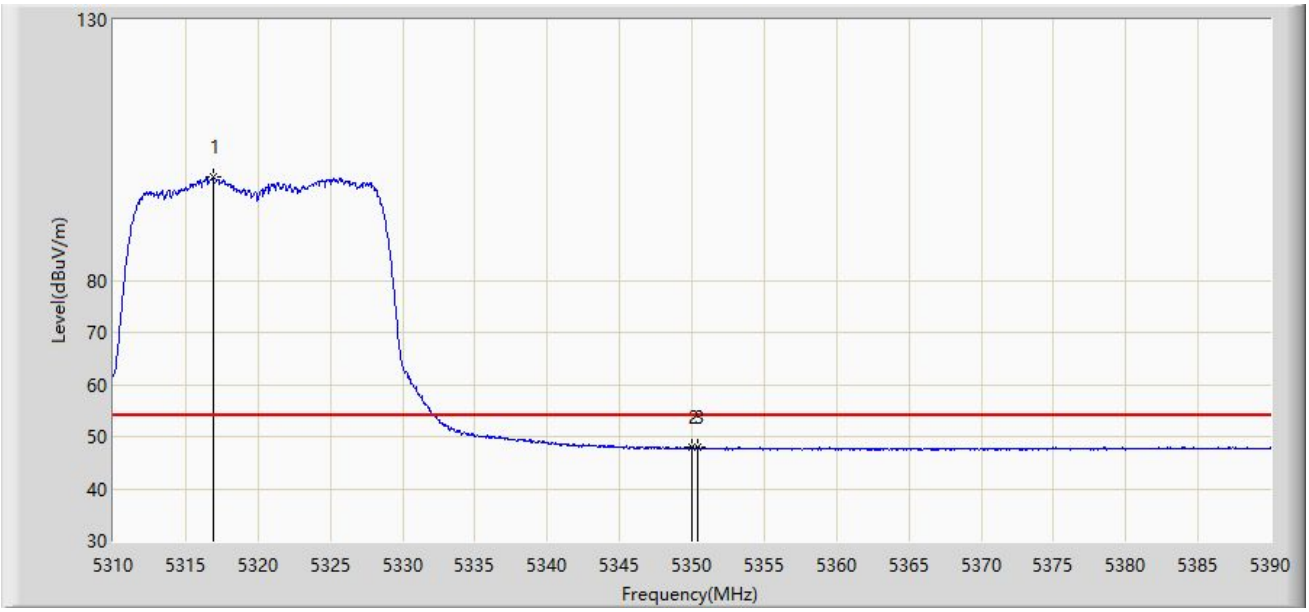


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.167	109.216	118.840	N/A	N/A	-9.624	PK
2			5350.000	59.784	69.254	-14.216	74.000	-9.469	PK
3			5370.360	61.443	70.906	-12.557	74.000	-9.463	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/11/04 - 17:54
Limit: FCC_Part15.209_RSE(3m)	Engineer: Tyler Yuan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5320MHz	

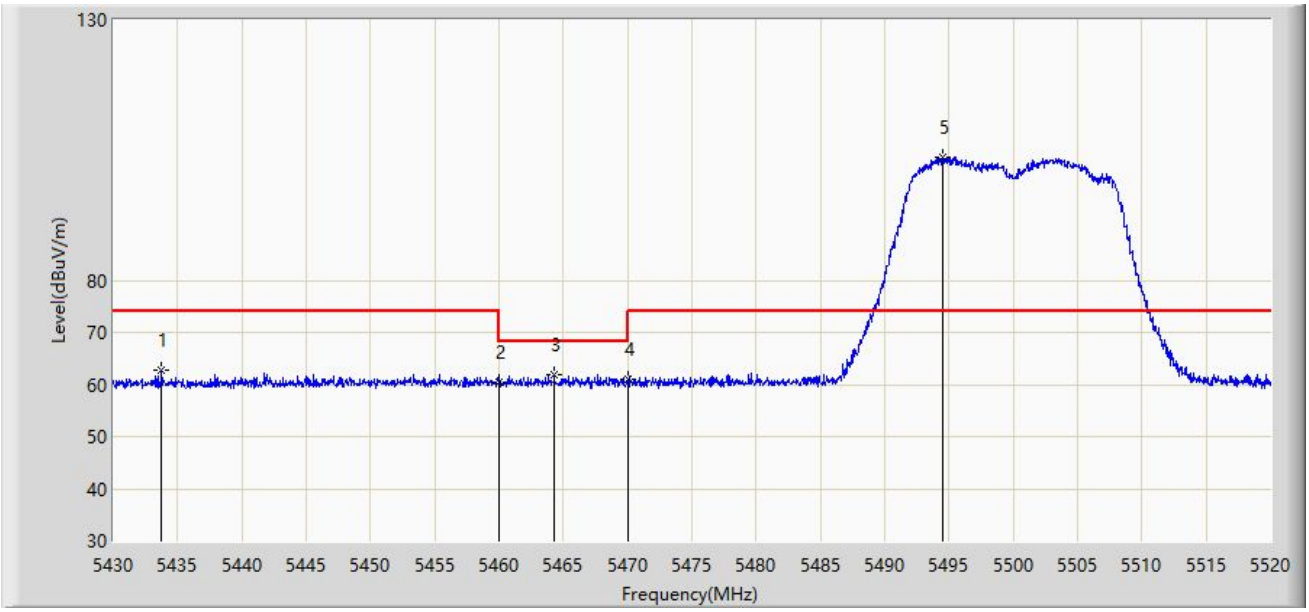


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5316.880	99.777	109.405	N/A	N/A	-9.628	AV
2			5350.000	47.869	57.339	-6.131	54.000	-9.469	AV
3			5350.400	47.882	57.353	-6.118	54.000	-9.470	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/11/04 - 17:57
Limit: FCC_Part15.209_RSE(3m)	Engineer: Tyler Yuan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5500MHz	

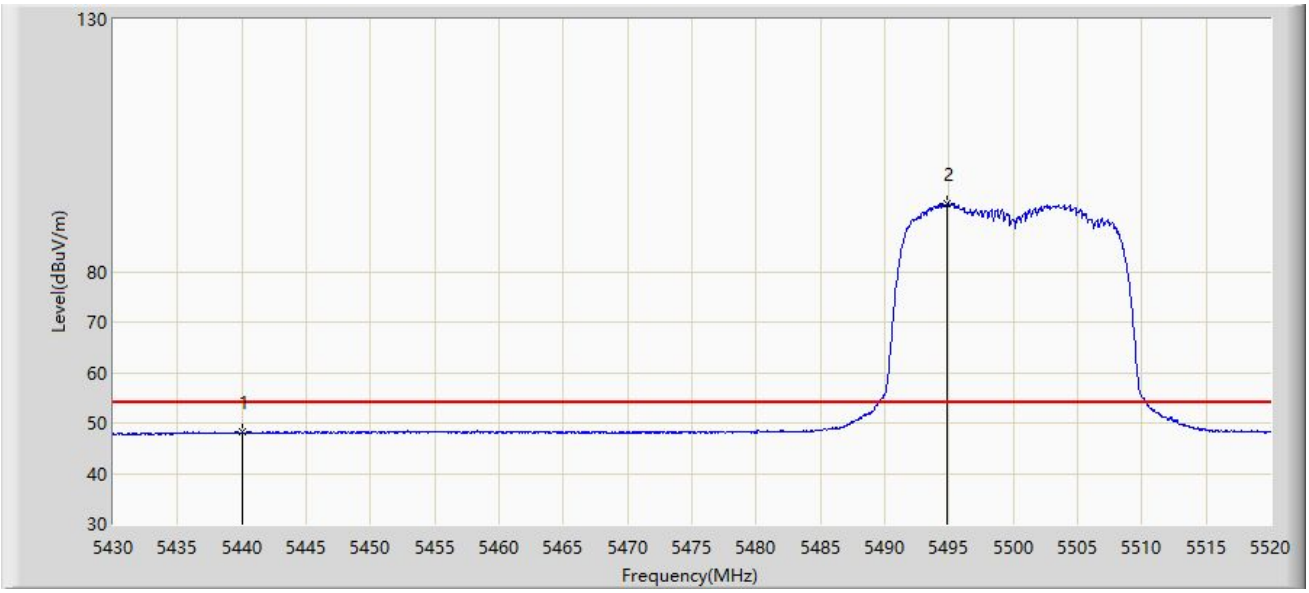


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5433.735	62.619	71.806	-11.381	74.000	-9.187	PK
2			5460.000	60.523	69.503	-13.477	74.000	-8.980	PK
3			5464.290	61.992	71.016	-6.208	68.200	-9.023	PK
4			5470.000	60.956	70.038	-7.244	68.200	-9.082	PK
5		*	5494.530	103.768	112.746	N/A	N/A	-8.978	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/11/04 - 18:15
Limit: FCC_Part15.209_RSE(3m)	Engineer: Tyler Yuan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5500MHz	

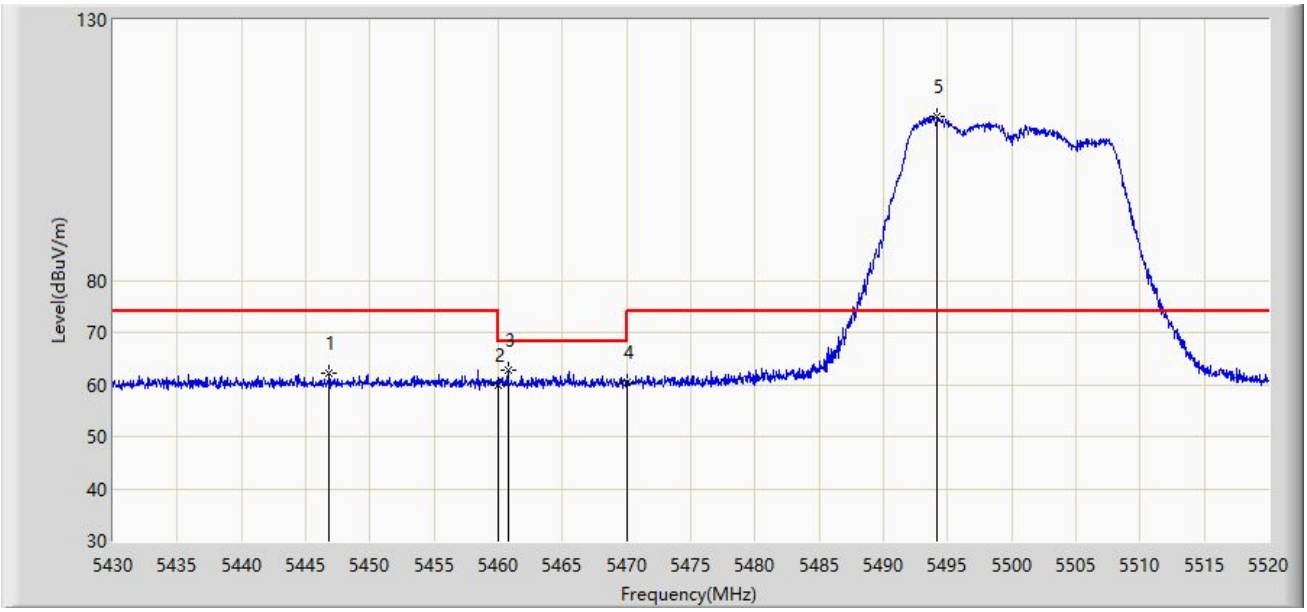


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5439.990	48.198	57.282	-5.802	54.000	-9.084	AV
2		*	5494.890	93.554	102.532	N/A	N/A	-8.979	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/11/04 - 18:16
Limit: FCC_Part15.209_RSE(3m)	Engineer: Tyler Yuan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5500MHz	

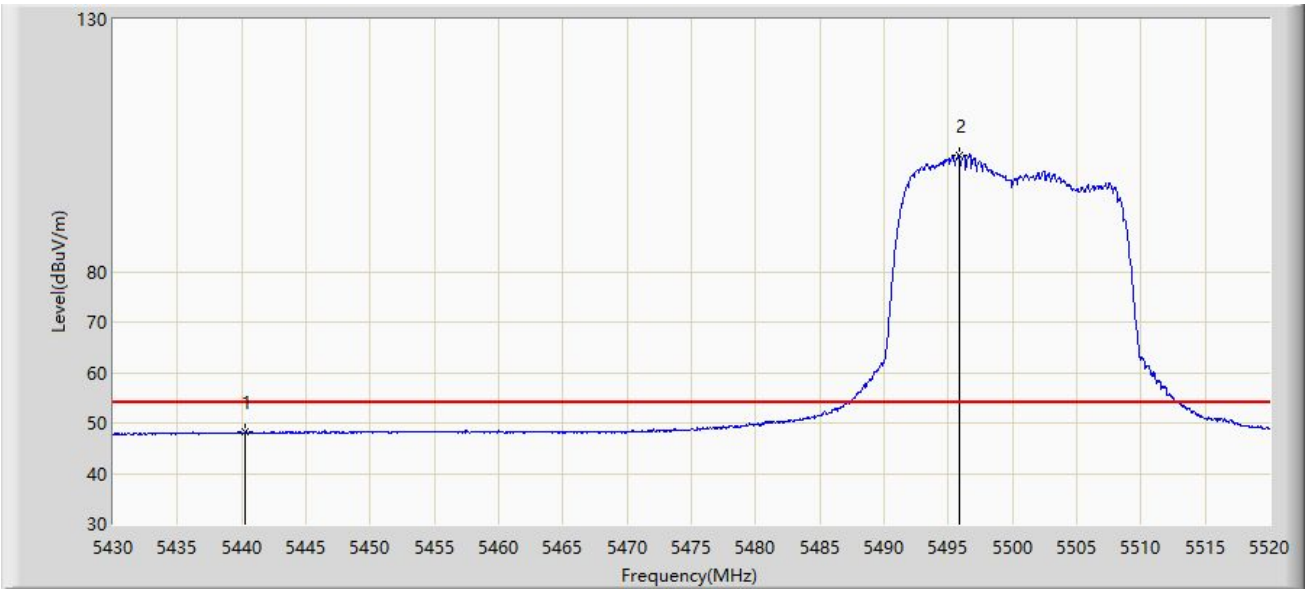


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5446.830	62.192	71.195	-11.808	74.000	-9.003	PK
2			5460.000	59.976	68.956	-14.024	74.000	-8.980	PK
3			5460.735	62.617	71.605	-5.583	68.200	-8.988	PK
4			5470.000	60.501	69.583	-7.699	68.200	-9.082	PK
5		*	5494.170	111.452	120.430	N/A	N/A	-8.978	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/11/04 - 18:17
Limit: FCC_Part15.209_RSE(3m)	Engineer: Tyler Yuan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5500MHz	

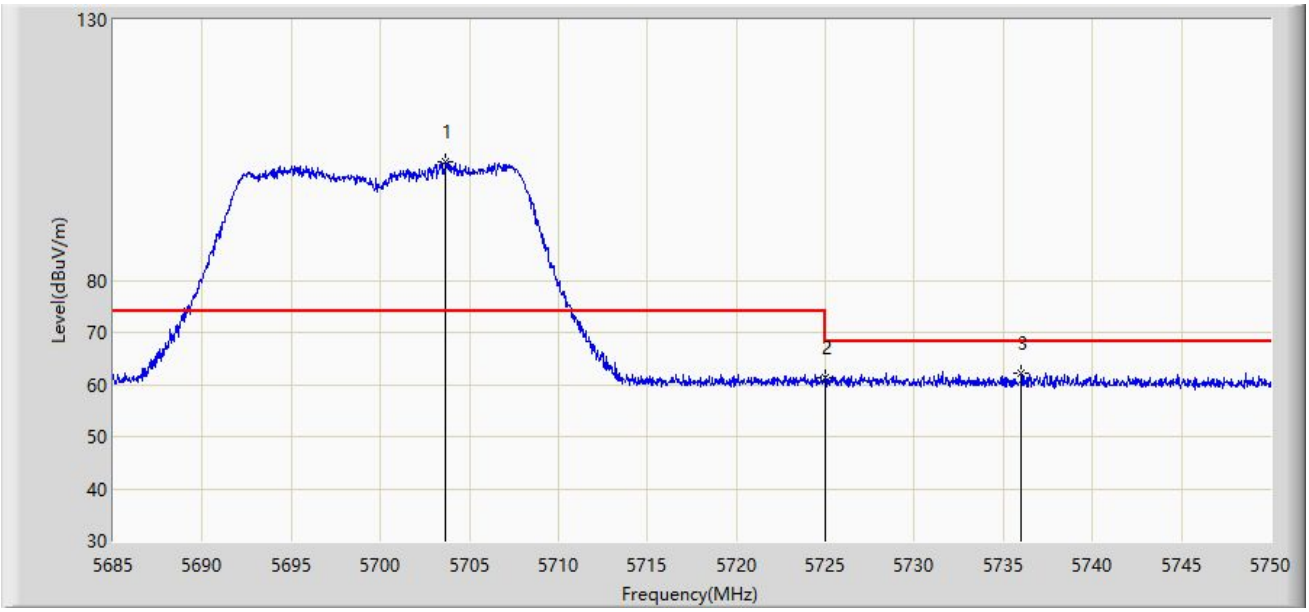


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5440.260	48.192	57.273	-5.808	54.000	-9.081	AV
2		*	5495.835	103.143	112.122	N/A	N/A	-8.979	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/11/04 - 18:19
Limit: FCC_Part15.209_RSE(3m)	Engineer: Tyler Yuan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5700MHz	

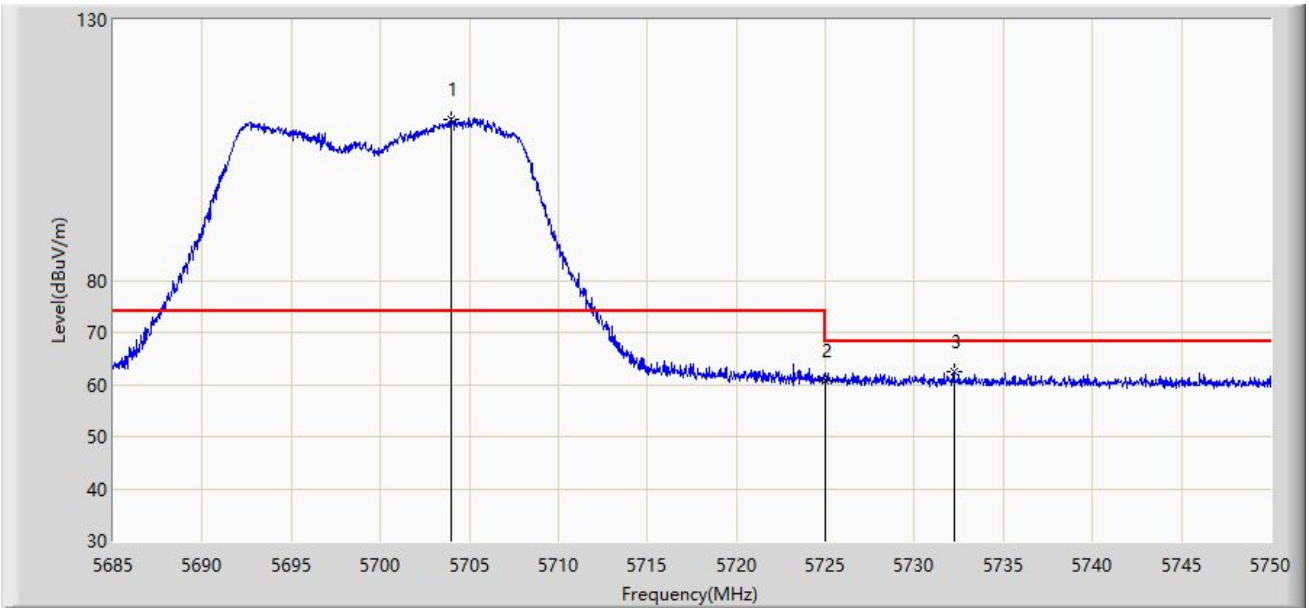


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5703.687	102.693	112.072	N/A	N/A	-9.379	PK
2			5725.000	61.171	70.283	-7.029	68.200	-9.112	PK
3			5736.025	62.197	71.412	-6.003	68.200	-9.216	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2019/11/04 - 18:22
Limit: FCC_Part15.209_RSE(3m)	Engineer: Tyler Yuan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Note: Transmit by 802.11a at channel 5700MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5703.947	110.925	120.305	N/A	N/A	-9.380	PK
2			5725.000	60.810	69.922	-7.390	68.200	-9.112	PK
3			5732.223	62.590	71.759	-5.610	68.200	-9.169	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)