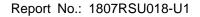


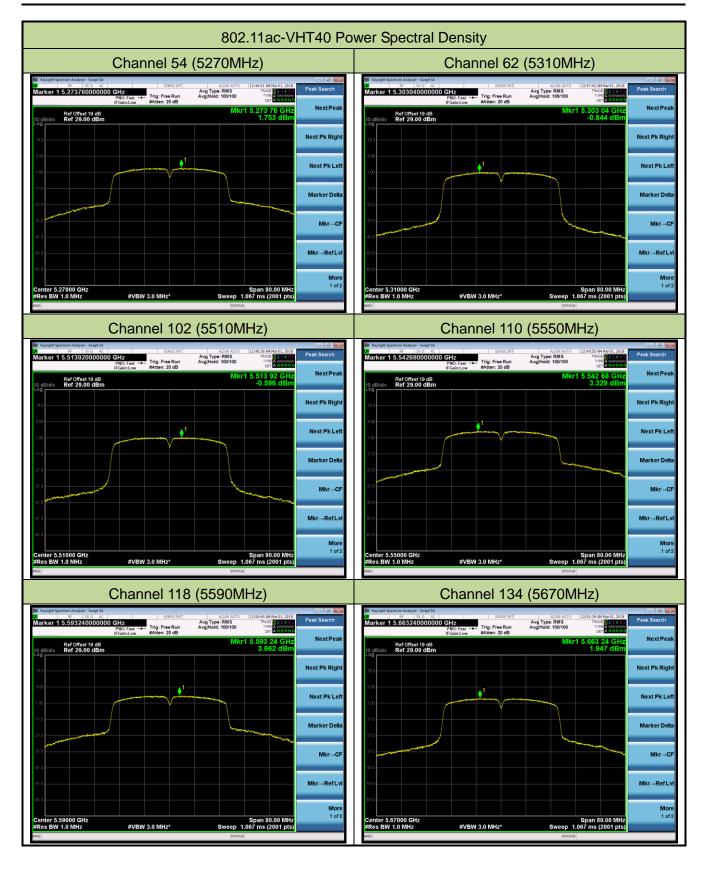
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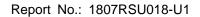




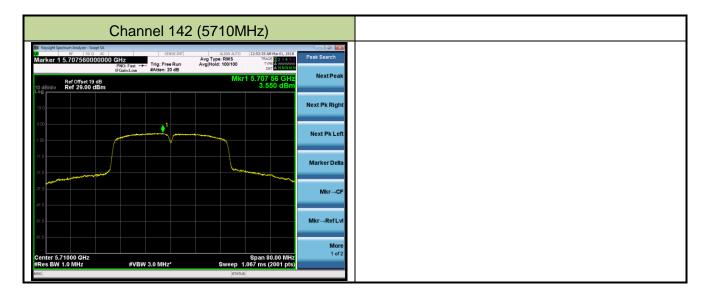


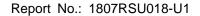




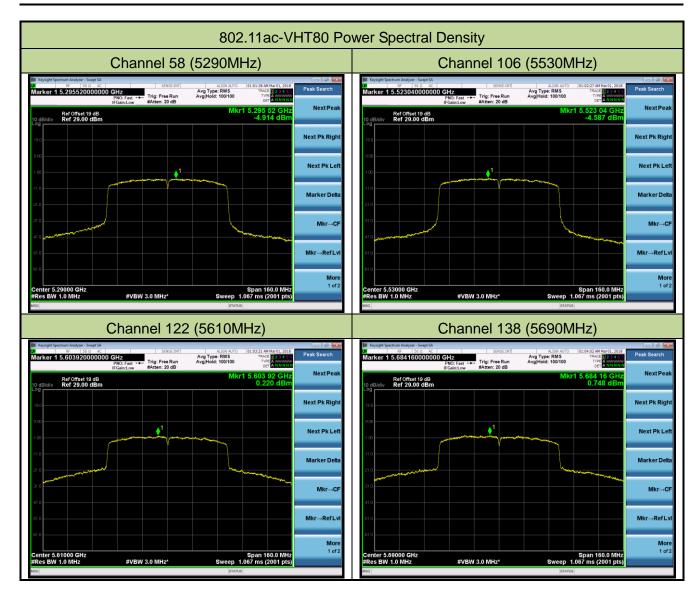


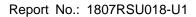














7.6. Frequency Stability Measurement

7.6.1.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).

7.6.2.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.

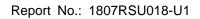
Frequency Stability Under Voltage Variations:

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, record the maximum frequency change.

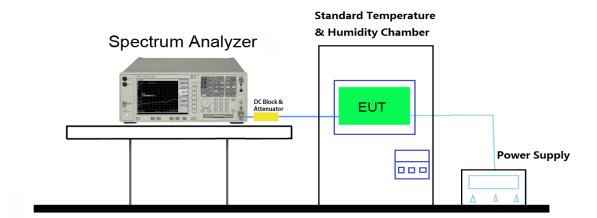
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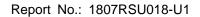
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7.6.3.Test Setup







7.6.4.Test Result

Test Engineer	Hunk Li	Temperature	-30 ~ 50°C
Test Time	2018/03/08	Relative Humidity	52%RH
Test Mode	5180MHz (Carrier Mode)	Test Site	TR3

Voltage	Power	Temp	Frequency Tolerance (ppm)					
(%)	(DC)	(°C)	0 minutes	2 minutes	5 minutes	10 minutes		
		- 30	16.78	16.69	16.71	16.89		
		- 20	15.15	15.23	15.31	15.11		
		- 10	13.34	13.31	13.29	13.12		
		0	12.49	12.33	12.14	15.30		
100%	5	+ 10	12.78	12.52	12.36	12.45		
		+ 20 (Ref)	14.27	14.13	13.26	13.08		
		+ 30	14.62	14.44	14.59	14.38		
		+ 40	16.71	16.53	16.42	16.35		
		+ 50	16.59	16.55	16.41	16.29		
115%	5.75	+ 20	16.78	16.62	16.53	16.48		
85%	4.25	+ 20	16.63	16.52	16.37	16.22		

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10⁶.

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7.7. Radiated Spurious Emission Measurement

7.7.1.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.

All out of band emissions appearing in a restricted band as specified in Section 8.10 of the RSS-Gen Issue 4 must not exceed the limits shown in Table per Section 8.9.

	•							
FCC Part 15 Subpart C Paragraph 15.209 & RSS-Gen Issue4 Section 8.9								
Frequency	Field Strength	Measured Distance						
[MHz]	[uV/m]	[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						

7.7.2.Test Procedure Used

KDB 789033 D02v02r01 - Section G

7.7.3.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

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

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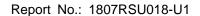
- 5. Sweep time = auto couple
- 6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. Video bandwidth. If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW ≤ RBW/100 (i.e., 10 kHz) but not less than 10 Hz. If the EUT duty cycle is < 98%, set VBW ≥ 1/T.
- 4. Detector = Peak
- 5. Sweep time = auto
- 6. 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.

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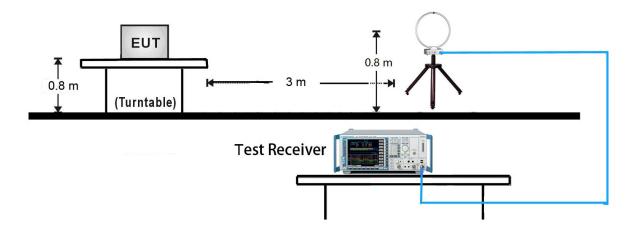
IC: 10741A-WF50



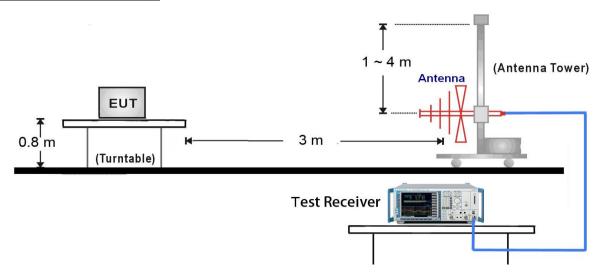


7.7.4.Test Setup

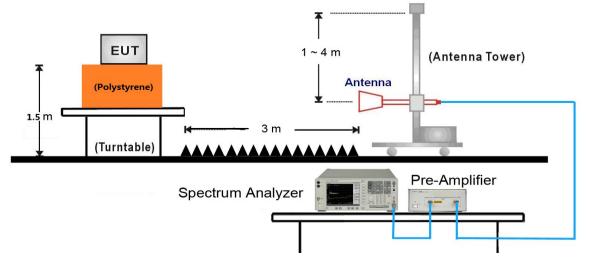
9kHz ~ 30MHz Test Setup:



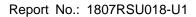
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:

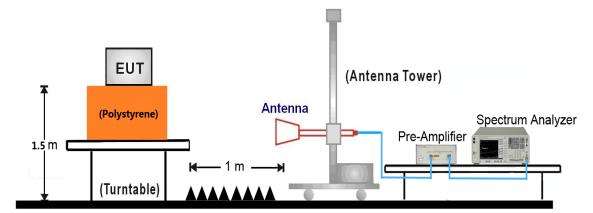


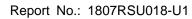
FCC ID: T2C-WF50 IC: 10741A-WF50





18GHz ~40GHz Test Setup:







7.7.5.Test Result

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	52	Test Engineer:	Will Yan
Remark:	 Average measurement was no limit. Other frequency was 20dB bel in the report. 		Ç

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7188.0	35.4	12.5	47.9	68.2	-20.3	Peak	Horizontal
	8276.0	35.8	12.8	48.6	74.0	-25.4	Peak	Horizontal
*	10520.0	35.8	17.6	53.4	68.2	-14.8	Peak	Horizontal
	11327.5	32.8	17.6	50.4	74.0	-23.6	Peak	Horizontal
*	7009.5	39.9	11.3	51.2	68.2	-17.0	Peak	Vertical
	8165.5	35.7	13.3	49.0	74.0	-25.0	Peak	Vertical
*	10520.0	35.1	17.6	52.7	68.2	-15.5	Peak	Vertical
	11378.5	33.7	17.6	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)

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Test Mode:	802.11a	Test Site:	AC1				
Test Channel:	60	Test Engineer:	Will Yan				
Remark:	Average measurement was no limit.	Average measurement was not performed if peak level lower than average limit.					
	Other frequency was 20dB bel in the report.	ow limit line within 1	-18GHz, there is not show				

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7137.0	34.3	12.4	46.7	68.2	-21.5	Peak	Horizontal
	8352.5	34.6	12.6	47.2	74.0	-26.8	Peak	Horizontal
*	10154.5	32.1	17.0	49.1	68.2	-19.1	Peak	Horizontal
	11081.0	33.0	17.9	50.9	74.0	-23.1	Peak	Horizontal
*	7069.0	39.6	11.8	51.4	68.2	-16.8	Peak	Vertical
	8318.5	35.8	12.6	48.4	74.0	-25.6	Peak	Vertical
*	10537.0	35.3	17.7	53.0	68.2	-15.2	Peak	Vertical
	11897.0	33.6	17.3	50.9	74.0	-23.1	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)



Test Mode:	802.11a	Test Site:	AC1				
Test Channel:	64	Test Engineer:	Will Yan				
Remark:	Average measurement was not performed if peak level lower than average						
	limit.						
	2. Other frequency was 20dB bel	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show					
	in the report.						

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7179.5	34.8	12.5	47.3	68.2	-20.9	Peak	Horizontal
	8352.5	34.3	12.6	46.9	74.0	-27.1	Peak	Horizontal
*	9840.0	31.8	16.7	48.5	68.2	-19.7	Peak	Horizontal
	11140.5	32.5	17.7	50.2	74.0	-23.8	Peak	Horizontal
*	7094.5	40.0	12.0	52.0	68.2	-16.2	Peak	Vertical
	8250.5	35.1	12.9	48.0	74.0	-26.0	Peak	Vertical
*	10239.5	32.1	17.2	49.3	68.2	-18.9	Peak	Vertical
	11123.5	33.1	17.7	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)

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Test Mode:	802.11a	Test Site:	AC1			
Test Channel:	100	Test Engineer:	Will Yan			
Remark:	Average measurement was not performed if peak level lower than average limit.					
	Other frequency was 20dB bel in the report.	ow limit line within 1	-18GHz, there is not show			

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7171.0	34.5	12.5	47.0	68.2	-21.2	Peak	Horizontal
	8242.0	34.0	13.0	47.0	74.0	-27.0	Peak	Horizontal
*	10120.5	31.9	16.9	48.8	68.2	-19.4	Peak	Horizontal
	11259.5	32.5	17.5	50.0	74.0	-24.0	Peak	Horizontal
*	7222.0	33.9	12.7	46.6	68.2	-21.6	Peak	Vertical
	7332.5	39.0	12.6	51.6	74.0	-22.4	Peak	Vertical
*	10095.0	31.8	16.9	48.7	68.2	-19.5	Peak	Vertical
	11200.0	32.1	17.6	49.7	74.0	-24.3	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)

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Test Mode:	802.11a	Test Site:	AC1				
Test Channel:	116	Test Engineer:	Will Yan				
Remark:	Average measurement was not performed if peak level lower than average						
	limit.						
	2. Other frequency was 20dB bel	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show					
	in the report.						

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7171.0	34.5	12.5	47.0	68.2	-21.2	Peak	Horizontal
	8199.5	35.4	13.1	48.5	74.0	-25.5	Peak	Horizontal
*	9772.0	33.0	16.2	49.2	68.2	-19.0	Peak	Horizontal
	11160.0	37.6	17.7	55.3	74.0	-18.7	Peak	Horizontal
	11160.0	27.7	17.7	45.4	54.0	-8.6	Average	Horizontal
*	7137.0	34.4	12.4	46.8	68.2	-21.4	Peak	Vertical
	7443.0	38.4	12.9	51.3	74.0	-22.7	Peak	Vertical
*	8735.0	33.8	13.0	46.8	68.2	-21.4	Peak	Vertical
	11055.5	32.7	17.9	50.6	74.0	-23.4	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)

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Test Mode:	802.11a	Test Site:	AC1					
Test Channel:	120	Test Engineer:	Will Yan					
Remark:	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	Factor	Measure Level	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	(IVII IZ)	(dBµV)	(dB)	(dBµV/m)	(ασμν/ιιι)	(ub)		
*	7171.0	34.4	12.5	46.9	68.2	-21.3	Peak	Horizontal
	7664.0	33.7	12.8	46.5	74.0	-27.5	Peak	Horizontal
*	10086.5	32.3	16.9	49.2	68.2	-19.0	Peak	Horizontal
	11208.5	36.3	17.6	53.9	74.0	-20.1	Peak	Horizontal
*	7171.0	35.3	12.5	47.8	68.2	-20.4	Peak	Vertical
	7468.5	38.9	12.9	51.8	74.0	-22.2	Peak	Vertical
*	9772.0	33.2	16.2	49.4	68.2	-18.8	Peak	Vertical
	10987.5	32.4	18.2	50.6	74.0	-23.4	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)

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Test Mode:	802.11a	Test Site:	AC1					
Test Channel:	140	Test Engineer:	Will Yan					
Remark:	Average measurement was no limit.	Average measurement was not performed if peak level lower than average limit.						
	Other frequency was 20dB bel in the report.	Other frequency was 20dB below limit line within 1-18GHz, there is not show						

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7137.0	34.5	12.4	46.9	68.2	-21.3	Peak	Horizontal
	8480.0	34.9	12.8	47.7	74.0	-26.3	Peak	Horizontal
*	9899.5	33.6	16.6	50.2	68.2	-18.0	Peak	Horizontal
	11404.0	36.2	17.7	53.9	74.0	-20.1	Peak	Horizontal
*	7137.0	34.4	12.4	46.8	68.2	-21.4	Peak	Vertical
	7604.5	39.3	12.7	52.0	74.0	-22.0	Peak	Vertical
*	10010.0	32.8	16.6	49.4	68.2	-18.8	Peak	Vertical
	11387.0	36.1	17.6	53.7	74.0	-20.3	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)

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Test Mode:	802.11a	Test Site:	AC1					
Test Channel:	144	Test Engineer:	Will Yan					
Remark:	Average measurement was no limit.	Average measurement was not performed if peak level lower than average limit.						
	Other frequency was 20dB bel in the report.	Other frequency was 20dB below limit line within 1-18GHz, there is not show						

Mark	Frequency	Reading	Factor	Measure 	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7111.5	34.8	12.2	47.0	68.2	-21.2	Peak	Horizontal
	7536.5	34.6	12.9	47.5	74.0	-26.5	Peak	Horizontal
*	9746.5	32.3	16.1	48.4	68.2	-19.8	Peak	Horizontal
	11446.5	36.0	17.8	53.8	74.0	-20.2	Peak	Horizontal
*	7154.0	34.4	12.4	46.8	68.2	-21.4	Peak	Vertical
	7630.0	39.2	12.6	51.8	74.0	-22.2	Peak	Vertical
*	10018.5	34.9	16.6	51.5	68.2	-16.7	Peak	Vertical
	11149.0	34.0	17.7	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)

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Test Mode:	802.11n-HT20	Test Site:	AC1					
Test Channel:	52	Test Engineer:	Will Yan					
Remark:	Average measurement was no	. Average measurement was not performed if peak level lower than average						
	limit.							
	2. Other frequency was 20dB bel	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7137.0	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
	8165.5	35.2	13.3	48.5	74.0	-25.5	Peak	Horizontal
*	9899.5	34.0	16.6	50.6	68.2	-17.6	Peak	Horizontal
	11327.5	34.4	17.6	52.0	74.0	-22.0	Peak	Horizontal
*	7009.5	39.8	11.3	51.1	68.2	-17.1	Peak	Vertical
	8293.0	34.7	12.7	47.4	74.0	-26.6	Peak	Vertical
*	9942.0	32.8	16.8	49.6	68.2	-18.6	Peak	Vertical
	11633.5	33.9	17.6	51.5	74.0	-22.5	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)

FCC ID: T2C-WF50 IC: 10741A-WF50



Test Mode:	802.11n-HT20	Test Site:	AC1					
Test Channel:	60	Test Engineer:	Will Yan					
Remark:	1. Average measurement was no	. Average measurement was not performed if peak level lower than average						
	limit.							
	2. Other frequency was 20dB bel	Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7120.0	35.8	12.2	48.0	68.2	-20.2	Peak	Horizontal
	8412.0	34.9	12.5	47.4	74.0	-26.6	Peak	Horizontal
*	10154.5	32.2	17.0	49.2	68.2	-19.0	Peak	Horizontal
	11285.0	32.9	17.5	50.4	74.0	-23.6	Peak	Horizontal
*	7069.0	38.7	11.8	50.5	68.2	-17.7	Peak	Vertical
	8327.0	36.1	12.6	48.7	74.0	-25.3	Peak	Vertical
*	10171.5	32.3	17.0	49.3	68.2	-18.9	Peak	Vertical
	11251.0	32.8	17.5	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)

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Test Mode:	802.11n-HT20	Test Site:	AC1					
Test Channel:	64	Test Engineer:	Will Yan					
Remark:	1. Average measurement was no	Average measurement was not performed if peak level lower than average						
	limit.							
	2. Other frequency was 20dB bel	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7077.5	34.9	11.9	46.8	68.2	-21.4	Peak	Horizontal
	8259.0	34.4	12.9	47.3	74.0	-26.7	Peak	Horizontal
*	10239.5	31.6	17.2	48.8	68.2	-19.4	Peak	Horizontal
	11429.5	32.7	17.8	50.5	74.0	-23.5	Peak	Horizontal
*	7094.5	38.9	12.0	50.9	68.2	-17.3	Peak	Vertical
	8148.5	35.3	13.3	48.6	74.0	-25.4	Peak	Vertical
*	9814.5	33.3	16.4	49.7	68.2	-18.5	Peak	Vertical
	11225.5	32.4	17.6	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)

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Test Mode:	802.11n-HT20	Test Site:	AC1					
Test Channel:	100	Test Engineer:	Will Yan					
Remark:	Average measurement was not performed if peak level lower than average							
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level (dBµV)	(dB)	Level (dBµV/m)	(dBµV/m)	(dB)		
*		, , ,		, ,			_	
_ ^	7171.0	34.8	12.5	47.3	68.2	-20.9	Peak	Horizontal
	7468.5	34.7	12.9	47.6	74.0	-26.4	Peak	Horizontal
*	8820.0	33.7	13.3	47.0	68.2	-21.2	Peak	Horizontal
	11336.0	32.2	17.6	49.8	74.0	-24.2	Peak	Horizontal
*	7171.0	34.9	12.5	47.4	68.2	-20.8	Peak	Vertical
	7332.5	38.6	12.6	51.2	74.0	-22.8	Peak	Vertical
*	9721.0	32.3	15.7	48.0	68.2	-20.2	Peak	Vertical
	11242.5	32.5	17.5	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)

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Test Mode:	802.11n-HT20	Test Site:	AC1					
Test Channel:	116	Test Engineer:	Will Yan					
Remark:	Average measurement was not performed if peak level lower than average							
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7222.0	34.0	12.7	46.7	68.2	-21.5	Peak	Horizontal
	8284.5	35.9	12.7	48.6	74.0	-25.4	Peak	Horizontal
*	9993.0	32.6	16.7	49.3	68.2	-18.9	Peak	Horizontal
	11160.0	37.1	17.7	54.8	74.0	-19.2	Peak	Horizontal
	11160.0	26.9	17.7	44.6	54.0	-9.4	Average	Horizontal
*	7205.0	34.9	12.6	47.5	68.2	-20.7	Peak	Vertical
	7443.0	38.4	12.9	51.3	74.0	-22.7	Peak	Vertical
*	9636.0	35.1	15.5	50.6	68.2	-17.6	Peak	Vertical
	11166.0	35.9	17.7	53.6	74.0	-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)

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Test Mode:	802.11n-HT20	Test Site:	AC1					
Test Channel:	120	Test Engineer:	Will Yan					
Remark:	Average measurement was not performed if peak level lower than average							
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7205.0	35.3	12.6	47.9	68.2	-20.3	Peak	Horizontal
	8233.5	35.3	13.0	48.3	74.0	-25.7	Peak	Horizontal
*	9678.5	32.3	15.4	47.7	68.2	-20.5	Peak	Horizontal
	11200.0	37.3	17.6	54.9	74.0	-19.1	Peak	Horizontal
	11200.0	26.8	17.6	44.4	54.0	-9.6	Average	Horizontal
*	7171.0	35.3	12.5	47.8	68.2	-20.4	Peak	Vertical
	7468.5	37.7	12.9	50.6	74.0	-23.4	Peak	Vertical
*	9967.5	32.8	16.7	49.5	68.2	-18.7	Peak	Vertical
	11574.0	32.2	17.7	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)

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Test Mode:	802.11n-HT20	Test Site:	AC1					
Test Channel:	140	Test Engineer:	Will Yan					
Remark:	Average measurement was no limit.	Average measurement was not performed if peak level lower than average limit.						
	Other frequency was 20dB bel in the report.	ow limit line within 1	-18GHz, there is not show					

Mark	Frequency	Reading	Factor	Measure 	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7154.0	34.3	12.4	46.7	68.2	-21.5	Peak	Horizontal
	8242.0	35.4	13.0	48.4	74.0	-25.6	Peak	Horizontal
*	10205.5	32.2	17.1	49.3	68.2	-18.9	Peak	Horizontal
	11404.0	35.5	17.7	53.2	74.0	-20.8	Peak	Horizontal
*	7111.5	35.8	12.2	48.0	68.2	-20.2	Peak	Vertical
	7604.5	39.5	12.7	52.2	74.0	-21.8	Peak	Vertical
*	10035.5	32.8	16.7	49.5	68.2	-18.7	Peak	Vertical
	11174.5	32.8	17.7	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)

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Test Mode:	802.11n-HT20	Test Site:	AC1					
Test Channel:	144	Test Engineer:	Will Yan					
Remark:	Average measurement was no limit.	Average measurement was not performed if peak level lower than average limit.						
	Other frequency was 20dB bel in the report.	ow limit line within 1	-18GHz, there is not show					

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level (dBµV)	(dB)	Level (dBµV/m)	(dBµV/m)	(dB)		
*	7213.5	35.7	12.6	48.3	68.2	-19.9	Peak	Horizontal
	7664.0	35.1	12.8	47.9	74.0	-26.1	Peak	Horizontal
*	10095.0	32.1	16.9	49.0	68.2	-19.2	Peak	Horizontal
	11438.0	36.1	17.8	53.9	74.0	-20.1	Peak	Horizontal
*	7077.5	34.5	11.9	46.4	68.2	-21.8	Peak	Vertical
	7630.0	39.2	12.6	51.8	74.0	-22.2	Peak	Vertical
*	9721.0	32.4	15.7	48.1	68.2	-20.1	Peak	Vertical
	11310.5	32.5	17.5	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)

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Test Mode:	802.11n-HT40	Test Site:	AC1					
Test Channel:	54	Test Engineer:	Will Yan					
Remark:	Average measurement was no limit.	verage measurement was not performed if peak level lower than average nit.						
	Other frequency was 20dB bel in the report.	ow limit line within 1	-18GHz, there is not show					

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7205.0	36.3	12.6	48.9	68.2	-19.3	Peak	Horizontal
	8276.0	34.4	12.8	47.2	74.0	-26.8	Peak	Horizontal
*	10545.5	35.0	17.7	52.7	68.2	-15.5	Peak	Horizontal
	11531.5	32.6	17.8	50.4	74.0	-23.6	Peak	Horizontal
*	7026.5	39.9	11.5	51.4	68.2	-16.8	Peak	Vertical
	8318.5	34.2	12.6	46.8	74.0	-27.2	Peak	Vertical
*	10035.5	33.5	16.7	50.2	68.2	-18.0	Peak	Vertical
	11319.0	34.0	17.6	51.6	74.0	-22.4	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)

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Test Mode:	802.11n-HT40	Test Site:	AC1			
Test Channel:	62	Test Engineer:	Will Yan			
Remark:	Average measurement was not performed if peak level lower than average limit.					
	Other frequency was 20dB bel in the report.	Other frequency was 20dB below limit line within 1-18GHz, there is not sho in the report.				

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7137.0	34.6	12.4	47.0	68.2	-21.2	Peak	Horizontal
	8310.0	35.0	12.6	47.6	74.0	-26.4	Peak	Horizontal
*	10061.0	32.5	16.9	49.4	68.2	-18.8	Peak	Horizontal
	11225.5	32.8	17.6	50.4	74.0	-23.6	Peak	Horizontal
*	7077.5	40.1	11.9	52.0	68.2	-16.2	Peak	Vertical
	8386.5	34.0	12.6	46.6	74.0	-27.4	Peak	Vertical
*	10027.0	32.7	16.6	49.3	68.2	-18.9	Peak	Vertical
	12007.5	34.2	17.4	51.6	74.0	-22.4	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)



Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	102	Test Engineer:	Will Yan
Remark:	Average measurement was no limit.	t performed if peak I	evel lower than average
	Other frequency was 20dB bel in the report.	ow limit line within 1	-18GHz, there is not show

Mark	Frequency (MHz)	Reading Level	Factor (dB)	Measure Level	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	(1711 12)	(dBµV)	(45)	(dBµV/m)	(αΒμν/ιιι)	(GD)		
*	7222.0	34.2	12.7	46.9	68.2	-21.3	Peak	Horizontal
	8259.0	35.6	12.9	48.5	74.0	-25.5	Peak	Horizontal
*	10120.5	32.9	16.9	49.8	68.2	-18.4	Peak	Horizontal
	11769.5	32.5	17.3	49.8	74.0	-24.2	Peak	Horizontal
*	7111.5	35.2	12.2	47.4	68.2	-20.8	Peak	Vertical
	7349.5	38.8	12.7	51.5	74.0	-22.5	Peak	Vertical
*	8811.5	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical
	10936.5	33.6	18.3	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)

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Test Mode:	802.11n-HT40	Test Site:	AC1						
Test Channel:	110	Test Engineer:	Will Yan						
Remark:	1. Average measurement was no	Average measurement was not performed if peak level lower than average							
	limit.	limit.							
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show								
	in the report.								

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7154.0	34.4	12.4	46.8	68.2	-21.4	Peak	Horizontal
	8310.0	34.3	12.6	46.9	74.0	-27.1	Peak	Horizontal
*	9814.5	32.0	16.4	48.4	68.2	-19.8	Peak	Horizontal
	11100.0	36.7	17.8	54.5	74.0	-19.5	Peak	Horizontal
	11100.0	26.6	17.8	44.4	54.0	-9.6	Average	Horizontal
*	7137.0	34.1	12.4	46.5	68.2	-21.7	Peak	Vertical
	7400.5	37.8	12.6	50.4	74.0	-23.6	Peak	Vertical
*	9721.0	33.3	15.7	49.0	68.2	-19.2	Peak	Vertical
	11234.0	32.8	17.5	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)

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Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	118	Test Engineer:	Will Yan
Remark:	 Average measurement was no limit. Other frequency was 20dB bel in the report. 		Ç

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7171.0	34.5	12.5	47.0	68.2	-21.2	Peak	Horizontal
	8225.0	36.8	13.1	49.9	74.0	-24.1	Peak	Horizontal
*	9857.0	33.3	16.7	50.0	68.2	-18.2	Peak	Horizontal
	11180.0	36.9	17.6	54.5	74.0	-19.5	Peak	Horizontal
	11180.0	26.5	17.6	44.1	54.0	-9.9	Average	Horizontal
*	7111.5	35.1	12.2	47.3	68.2	-20.9	Peak	Vertical
	7451.5	39.1	12.9	52.0	74.0	-22.0	Peak	Vertical
*	8811.5	34.3	13.3	47.6	68.2	-20.6	Peak	Vertical
	11225.5	32.6	17.6	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)

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Test Mode:	802.11n-HT40	Test Site:	AC1					
Test Channel:	134	Test Engineer:	Will Yan					
Remark:	Average measurement was not performed if peak level lower than average							
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7876.5	33.8	13.3	47.1	68.2	-21.1	Peak	Horizontal
	8352.5	34.4	12.6	47.0	74.0	-27.0	Peak	Horizontal
*	9908.0	32.5	16.6	49.1	68.2	-19.1	Peak	Horizontal
	11429.5	32.9	17.8	50.7	74.0	-23.3	Peak	Horizontal
*	7222.0	34.9	12.7	47.6	68.2	-20.6	Peak	Vertical
	7562.0	39.5	12.9	52.4	74.0	-21.6	Peak	Vertical
*	9857.0	32.5	16.7	49.2	68.2	-19.0	Peak	Vertical
	10885.5	34.8	18.1	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)



Test Mode:	802.11n-HT40	Test Site:	AC1					
Test Channel:	142	Test Engineer:	Will Yan					
Remark:	Average measurement was not performed if peak level lower than average							
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7120.0	34.9	12.2	47.1	68.2	-21.1	Peak	Horizontal
	7256.0	36.9	12.7	49.6	74.0	-24.4	Peak	Horizontal
*	8811.5	33.5	13.3	46.8	68.2	-21.4	Peak	Horizontal
	11327.5	33.2	17.6	50.8	74.0	-23.2	Peak	Horizontal
*	7162.5	35.5	12.5	48.0	68.2	-20.2	Peak	Vertical
	7613.0	39.9	12.6	52.5	74.0	-21.5	Peak	Vertical
*	9848.5	34.8	16.7	51.5	68.2	-16.7	Peak	Vertical
	11021.5	33.0	17.9	50.9	74.0	-23.1	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)

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Test Mode:	802.11ac-VHT20	Test Site:	AC1					
Test Channel:	52	Test Engineer:	Jone Zhang					
Remark:	1. Average measurement was no	Average measurement was not performed if peak level lower than average						
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7205.0	35.1	12.6	47.7	68.2	-20.5	Peak	Horizontal
	8301.5	36.3	12.6	48.9	74.0	-25.1	Peak	Horizontal
*	9933.5	33.3	16.7	50.0	68.2	-18.2	Peak	Horizontal
	11378.5	34.3	17.6	51.9	74.0	-22.1	Peak	Horizontal
*	7009.5	42.6	11.3	53.9	68.2	-14.3	Peak	Vertical
	8446.0	36.3	12.7	49.0	74.0	-25.0	Peak	Vertical
*	10520.0	36.3	17.6	53.9	68.2	-14.3	Peak	Vertical
	11531.5	33.6	17.8	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)

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Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	60	Test Engineer:	Jone Zhang
Remark:	Average measurement was no limit.	t performed if peak I	evel lower than average
	Other frequency was 20dB bell in the report.	ow limit line within 1	-18GHz, there is not show

Mark	Frequency (MHz)	Reading Level	Factor (dB)	Measure Level	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
		(dBµV)		(dBµV/m)				
*	7196.5	34.5	12.5	47.0	68.2	-21.2	Peak	Horizontal
	8208.0	35.4	13.0	48.4	74.0	-25.6	Peak	Horizontal
*	10273.5	33.2	17.2	50.4	68.2	-17.8	Peak	Horizontal
	11123.5	33.9	17.7	51.6	74.0	-22.4	Peak	Horizontal
*	7069.0	38.8	11.8	50.6	68.2	-17.6	Peak	Vertical
	8352.5	35.2	12.6	47.8	74.0	-26.2	Peak	Vertical
*	10231.0	33.2	17.1	50.3	68.2	-17.9	Peak	Vertical
	11778.0	33.1	17.3	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)

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Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	64	Test Engineer:	Jone Zhang
Remark:	Average measurement was no limit.	t performed if peak I	evel lower than average
	Other frequency was 20dB bell in the report.	ow limit line within 1	-18GHz, there is not show

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7086.0	35.4	11.9	47.3	68.2	-20.9	Peak	Horizontal
	8199.5	35.1	13.1	48.2	74.0	-25.8	Peak	Horizontal
*	9823.0	34.3	16.5	50.8	68.2	-17.4	Peak	Horizontal
	11072.5	34.0	17.9	51.9	74.0	-22.1	Peak	Horizontal
*	7094.5	41.4	12.0	53.4	68.2	-14.8	Peak	Vertical
	8310.0	36.1	12.6	48.7	74.0	-25.3	Peak	Vertical
*	9993.0	33.4	16.7	50.1	68.2	-18.1	Peak	Vertical
	11727.0	33.3	17.3	50.6	74.0	-23.4	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)

FCC ID: T2C-WF50 IC: 10741A-WF50



Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	100	Test Engineer:	Jone Zhang
Remark:	Average measurement was no limit.	t performed if peak I	evel lower than average
	Other frequency was 20dB belling the report.	ow limit line within 1	-18GHz, there is not show

Mark	Frequency (MHz)	Reading Level	Factor (dB)	Measure Level	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	(1411 12)	(dBµV)	(d <i>D</i>)	(dBµV/m)	(4547/11)	(42)		
*	7851.0	35.0	13.3	48.3	68.2	-19.9	Peak	Horizontal
	8216.5	35.5	13.0	48.5	74.0	-25.5	Peak	Horizontal
*	9806.0	35.0	16.3	51.3	68.2	-16.9	Peak	Horizontal
	11276.5	34.3	17.5	51.8	74.0	-22.2	Peak	Horizontal
*	7205.0	35.0	12.6	47.6	68.2	-20.6	Peak	Vertical
	7332.5	40.1	12.6	52.7	74.0	-21.3	Peak	Vertical
*	9738.0	35.7	15.9	51.6	68.2	-16.6	Peak	Vertical
	11251.0	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)

FCC ID: T2C-WF50 IC: 10741A-WF50



Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	116	Test Engineer:	Jone Zhang
Remark:	Average measurement was no limit.	t performed if peak I	evel lower than average
	Other frequency was 20dB bell in the report.	ow limit line within 1	-18GHz, there is not show

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7111.5	35.7	12.2	47.9	68.2	-20.3	Peak	Horizontal
	7502.5	35.8	12.7	48.5	74.0	-25.5	Peak	Horizontal
*	9925.0	34.2	16.6	50.8	68.2	-17.4	Peak	Horizontal
	11160.0	39.1	17.7	56.8	74.0	-17.2	Peak	Horizontal
	11160.0	26.8	17.7	44.5	54.0	-9.5	Average	Horizontal
*	7171.0	35.8	12.5	48.3	68.2	-19.9	Peak	Vertical
	7443.0	39.7	12.9	52.6	74.0	-21.4	Peak	Vertical
*	8794.5	36.2	13.3	49.5	68.2	-18.7	Peak	Vertical
	11565.5	33.5	17.8	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)

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Test Mode:	802.11ac-VHT20	Test Site:	AC1					
Test Channel:	120	Test Engineer:	Jone Zhang					
Remark:	Average measurement was not performed if peak level lower than average							
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7137.0	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
	8310.0	34.9	12.6	47.5	74.0	-26.5	Peak	Horizontal
*	10375.5	33.3	17.4	50.7	68.2	-17.5	Peak	Horizontal
	11200.0	37.4	17.6	55.0	74.0	-19.0	Peak	Horizontal
	11200.0	26.1	17.6	43.7	54.0	-10.3	Average	Horizontal
*	7145.5	35.0	12.4	47.4	68.2	-20.8	Peak	Vertical
	7468.5	39.9	12.9	52.8	74.0	-21.2	Peak	Vertical
*	9729.5	34.3	15.8	50.1	68.2	-18.1	Peak	Vertical
	11412.5	36.2	17.7	53.9	74.0	-20.1	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)

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Test Mode:	802.11ac-VHT20	Test Site:	AC1					
Test Channel:	140	Test Engineer:	Jone Zhang					
Remark:	Average measurement was not performed if peak level lower than average							
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7137.0	36.4	12.4	48.8	68.2	-19.4	Peak	Horizontal
	8276.0	35.8	12.8	48.6	74.0	-25.4	Peak	Horizontal
*	10375.5	35.0	17.4	52.4	68.2	-15.8	Peak	Horizontal
	11400.0	36.8	17.7	54.5	74.0	-19.5	Peak	Horizontal
	11400.0	25.0	17.7	42.7	54.0	-11.3	Average	Horizontal
*	7111.5	35.6	12.2	47.8	68.2	-20.4	Peak	Vertical
	7596.0	40.3	12.8	53.1	74.0	-20.9	Peak	Vertical
*	8777.5	34.3	13.2	47.5	68.2	-20.7	Peak	Vertical
	11429.5	33.6	17.8	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)

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Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	144	Test Engineer:	Jone Zhang
Remark:	Average measurement was no limit.	t performed if peak I	evel lower than average
	Other frequency was 20dB bell in the report.	ow limit line within 1	-18GHz, there is not show

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7188.0	34.2	12.5	46.7	68.2	-21.5	Peak	Horizontal
	8310.0	35.2	12.6	47.8	74.0	-26.2	Peak	Horizontal
*	9865.5	33.8	16.7	50.5	68.2	-17.7	Peak	Horizontal
	11400.0	36.0	17.8	53.8	74.0	-20.2	Peak	Horizontal
	11400.0	25.3	17.8	43.1	54.0	-10.9	Average	Horizontal
*	7128.5	36.0	12.3	48.3	68.2	-19.9	Peak	Vertical
	7630.0	39.2	12.6	51.8	74.0	-22.2	Peak	Vertical
*	10350.0	34.6	17.3	51.9	68.2	-16.3	Peak	Vertical
	11395.5	35.1	17.7	52.8	74.0	-21.2	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)

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Test Mode:	802.11ac-VHT40	Test Site:	AC1					
Test Channel:	54	Test Engineer:	Jone Zhang					
Remark:	1. Average measurement was no	Average measurement was not performed if peak level lower than average						
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7137.0	35.1	12.4	47.5	68.2	-20.7	Peak	Horizontal
	8174.0	37.0	13.2	50.2	74.0	-23.8	Peak	Horizontal
*	10341.5	33.7	17.3	51.0	68.2	-17.2	Peak	Horizontal
	11455.0	35.2	17.8	53.0	74.0	-21.0	Peak	Horizontal
*	7026.5	42.2	11.5	53.7	68.2	-14.5	Peak	Vertical
	8386.5	36.6	12.6	49.2	74.0	-24.8	Peak	Vertical
*	10222.5	32.9	17.1	50.0	68.2	-18.2	Peak	Vertical
	11472.0	34.2	17.8	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)

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Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	62	Test Engineer:	Jone Zhang
Remark:	Average measurement was no limit.	t performed if peak I	evel lower than average
	Other frequency was 20dB bell in the report.	ow limit line within 1	-18GHz, there is not show

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7171.0	35.7	12.5	48.2	68.2	-20.0	Peak	Horizontal
	8276.0	35.7	12.8	48.5	74.0	-25.5	Peak	Horizontal
*	10035.5	33.4	16.7	50.1	68.2	-18.1	Peak	Horizontal
	11217.0	34.0	17.6	51.6	74.0	-22.4	Peak	Horizontal
*	7077.5	42.2	11.9	54.1	68.2	-14.1	Peak	Vertical
	8395.0	35.5	12.5	48.0	74.0	-26.0	Peak	Vertical
*	10035.5	33.1	16.7	49.8	68.2	-18.4	Peak	Vertical
	12050.0	33.0	17.4	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)

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Test Mode:	802.11ac-VHT40	Test Site:	AC1					
Test Channel:	102	Test Engineer:	Jone Zhang					
Remark:	Average measurement was no	Average measurement was not performed if peak level lower than average						
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7137.0	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
	8310.0	35.5	12.6	48.1	74.0	-25.9	Peak	Horizontal
*	9746.5	33.2	16.1	49.3	68.2	-18.9	Peak	Horizontal
	11174.5	34.6	17.7	52.3	74.0	-21.7	Peak	Horizontal
*	7162.5	36.2	12.5	48.7	68.2	-19.5	Peak	Vertical
	7349.5	40.5	12.7	53.2	74.0	-20.8	Peak	Vertical
*	8786.0	35.0	13.3	48.3	68.2	-19.9	Peak	Vertical
	11268.0	34.5	17.5	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)

FCC ID: T2C-WF50 IC: 10741A-WF50



Test Mode:	802.11ac-VHT40	Test Site:	AC1					
Test Channel:	110	Test Engineer:	Jone Zhang					
Remark:	1. Average measurement was no	Average measurement was not performed if peak level lower than average						
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7171.0	34.6	12.5	47.1	68.2	-21.1	Peak	Horizontal
	7443.0	35.4	12.9	48.3	74.0	-25.7	Peak	Horizontal
*	8777.5	34.1	13.2	47.3	68.2	-20.9	Peak	Horizontal
	11100.0	38.0	17.8	55.8	74.0	-18.2	Peak	Horizontal
	11100.0	26.3	17.8	44.1	54.0	-9.9	Average	Horizontal
*	7111.5	35.6	12.2	47.8	68.2	-20.4	Peak	Vertical
	7400.5	39.8	12.6	52.4	74.0	-21.6	Peak	Vertical
*	8735.0	34.3	13.0	47.3	68.2	-20.9	Peak	Vertical
	11021.5	34.0	17.9	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)

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Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	118	Test Engineer:	Jone Zhang
Remark:	Average measurement was no limit.	t performed if peak l	evel lower than average
	Other frequency was 20dB bell in the report.	ow limit line within 1	-18GHz, there is not show

Mark	Frequency (MHz)	Reading Level	Factor (dB)	Measure Level	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
		(dBµV)		(dBµV/m)	, ,			
*	7120.0	35.6	12.2	47.8	68.2	-20.4	Peak	Horizontal
	7545.0	35.6	13.0	48.6	74.0	-25.4	Peak	Horizontal
*	10171.5	35.0	17.0	52.0	68.2	-16.2	Peak	Horizontal
	11429.5	33.2	17.8	51.0	74.0	-23.0	Peak	Horizontal
*	7196.5	35.6	12.5	48.1	68.2	-20.1	Peak	Vertical
	7451.5	39.2	12.9	52.1	74.0	-21.9	Peak	Vertical
*	9857.0	33.6	16.7	50.3	68.2	-17.9	Peak	Vertical
	11905.5	34.2	17.3	51.5	74.0	-22.5	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)

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Test Mode:	802.11ac-VHT40	Test Site:	AC1					
Test Channel:	134	Test Engineer:	Jone Zhang					
Remark:	Average measurement was not performed if peak level lower than average							
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency (MHz)	Reading Level	Factor (dB)	Measure Level	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
		(dBµV)		(dBµV/m)				
*	7145.5	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
	7689.5	36.7	12.8	49.5	74.0	-24.5	Peak	Horizontal
*	9772.0	34.6	16.2	50.8	68.2	-17.4	Peak	Horizontal
	11761.0	35.3	17.3	52.6	74.0	-21.4	Peak	Horizontal
*	7137.0	34.4	12.4	46.8	68.2	-21.4	Peak	Vertical
	7562.0	39.7	12.9	52.6	74.0	-21.4	Peak	Vertical
*	10069.5	32.6	17.0	49.6	68.2	-18.6	Peak	Vertical
	11157.5	34.5	17.7	52.2	74.0	-21.8	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)

FCC ID: T2C-WF50

IC: 10741A-WF50



Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	142	Test Engineer:	Jone Zhang
Remark:	Average measurement was no limit.	t performed if peak I	evel lower than average
	Other frequency was 20dB bell in the report.	ow limit line within 1	-18GHz, there is not show

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7111.5	36.8	12.2	49.0	68.2	-19.2	Peak	Horizontal
	7485.5	36.4	12.8	49.2	74.0	-24.8	Peak	Horizontal
*	9899.5	34.3	16.6	50.9	68.2	-17.3	Peak	Horizontal
	11480.5	34.0	17.8	51.8	74.0	-22.2	Peak	Horizontal
*	7137.0	35.4	12.4	47.8	68.2	-20.4	Peak	Vertical
	7613.0	39.1	12.6	51.7	74.0	-22.3	Peak	Vertical
*	9925.0	33.3	16.6	49.9	68.2	-18.3	Peak	Vertical
	11276.5	33.9	17.5	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)

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Test Mode:	802.11ac-VHT80	Test Site:	AC1						
Test Channel:	58	Test Engineer:	Jone Zhang						
Remark:	1. Average measurement was no	. Average measurement was not performed if peak level lower than average							
	limit.	limit.							
	2. Other frequency was 20dB bel	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.								

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7222.0	34.1	12.7	46.8	68.2	-21.4	Peak	Horizontal
	7698.0	34.4	12.8	47.2	74.0	-26.8	Peak	Horizontal
*	10052.5	32.7	16.8	49.5	68.2	-18.7	Peak	Horizontal
	11327.5	34.2	17.6	51.8	74.0	-22.2	Peak	Horizontal
*	7052.0	40.1	11.8	51.9	68.2	-16.3	Peak	Vertical
	8242.0	34.7	13.0	47.7	74.0	-26.3	Peak	Vertical
*	10061.0	32.2	16.9	49.1	68.2	-19.1	Peak	Vertical
	11837.5	32.4	17.2	49.6	74.0	-24.4	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)

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Test Mode:	802.11ac-VHT80	Test Site:	AC1					
Test Channel:	106	Test Engineer:	Jone Zhang					
Remark:	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	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7205.0	34.0	12.6	46.6	68.2	-21.6	Peak	Horizontal
	8386.5	35.6	12.6	48.2	74.0	-25.8	Peak	Horizontal
*	9695.5	33.5	15.5	49.0	68.2	-19.2	Peak	Horizontal
	11786.5	33.2	17.3	50.5	74.0	-23.5	Peak	Horizontal
*	7145.5	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
	7375.0	41.1	12.6	53.7	74.0	-20.3	Peak	Vertical
*	9865.5	33.9	16.7	50.6	68.2	-17.6	Peak	Vertical
	11251.0	33.7	17.5	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)

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Test Mode:	802.11ac-VHT80	Test Site:	AC1					
Test Channel:	122	Test Engineer:	Jone Zhang					
Remark:	Average measurement was not performed if peak level lower than average							
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7111.5	36.1	12.2	48.3	68.2	-19.9	Peak	Horizontal
	8199.5	36.0	13.1	49.1	74.0	-24.9	Peak	Horizontal
*	9950.5	32.8	16.7	49.5	68.2	-18.7	Peak	Horizontal
	11370.0	34.2	17.6	51.8	74.0	-22.2	Peak	Horizontal
*	7137.0	35.8	12.4	48.2	68.2	-20.0	Peak	Vertical
	7477.0	39.5	12.9	52.4	74.0	-21.6	Peak	Vertical
*	9721.0	33.5	15.7	49.2	68.2	-19.0	Peak	Vertical
	11047.0	32.9	17.9	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)

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Test Mode:	802.11ac-VHT80	Test Site:	AC1					
Test Channel:	138	Test Engineer:	Jone Zhang					
Remark:	Average measurement was no	. Average measurement was not performed if peak level lower than average						
	limit.	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show							
	in the report.							

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7171.0	34.6	12.5	47.1	68.2	-21.1	Peak	Horizontal
	8386.5	36.3	12.6	48.9	74.0	-25.1	Peak	Horizontal
*	9814.5	33.3	16.4	49.7	68.2	-18.5	Peak	Horizontal
	11072.5	33.6	17.9	51.5	74.0	-22.5	Peak	Horizontal
*	7179.5	36.2	12.5	48.7	68.2	-19.5	Peak	Vertical
	7587.5	39.6	12.8	52.4	74.0	-21.6	Peak	Vertical
*	9857.0	34.1	16.7	50.8	68.2	-17.4	Peak	Vertical
	12033.0	35.3	17.4	52.7	74.0	-21.3	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)

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7.8. Radiated Restricted Band Edge Measurement

7.8.1.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:

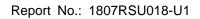
For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

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.

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.

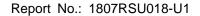
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IC: 10741A-WF50





FCC Part 15 Subpart C Paragraph 15.209						
Frequency	Field Strength	Measured Distance				
[MHz]	[uV/m]	[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				





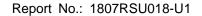
For RSS-Gen Section 8.10 Requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 8.10 of RSS-Gen, must also comply with the radiated emission limits specified in Section 8.9.

Frequency	Frequency	Frequency
(MHz)	(MHz)	(MHz)
0.009 - 0.110	240 - 285	9.0 - 9.2
2.1735 - 2.1905	322 - 335.4	9.3 - 9.5
3.020 - 3.026	399.9 - 410	10.6 - 12.7
4.125 - 4.128	608 - 614	13.25 - 13.4
4.17725 - 4.17775	960 - 1427	14.47 - 14.5
4.20725 - 4.20775	1435 - 1626.5	15.35 - 16.2
5.677 - 5.683	1645.5 - 1646.5	17.7 - 21.4
6.215 - 6.218	1660 - 1710	22.01 - 23.12
6.26775 - 6.26825	1718.8 -1722.2	23.6 - 24.0
6.31175 - 6.31225	2200 - 2300	31.2 - 31.8
8.291 - 8.294	2310 -2390	36.43 - 36.5
8.362 - 8.366	2655 - 2900	Above 38.6
8.37625 - 8.38675	3260 - 3267	
8.41425 - 8.41475	3332 -3339	
12.29 - 12.293	3345.8 - 3358	
12.51975 - 12.52025	3500 - 4400	
12.57675 - 12.57725	4500 - 5150	
13.36 -13.41	5350 - 5460	
16.42 - 16.423	7250 - 7750	
16.69475 - 16.69525	8025 - 8500	
16.80425 - 16.80475		
25.5 - 25.67		
37.5 - 38.25		
73 - 74.6		
74.8 - 75.2		
108 - 138		
156.52475 - 156.525225		
156.7 - 156.9		

Note: *Certain frequency bands listed in Table 6 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to the devices

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are set out in the 200- and 300-series of RSSs, such as RSS-210 and RSS-310, which contain the requirements that apply to licence-exempt radio apparatus.

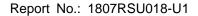
For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

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.

All out of band emissions appearing in a restricted band as specified in Section 8.10 of the RSS-Gen must not exceed the limits shown in Table per Section 8.9.

	RSS-Gen Section 8.9							
Frequency	Frequency Field Strength							
[MHz]	[uV/m]	[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						

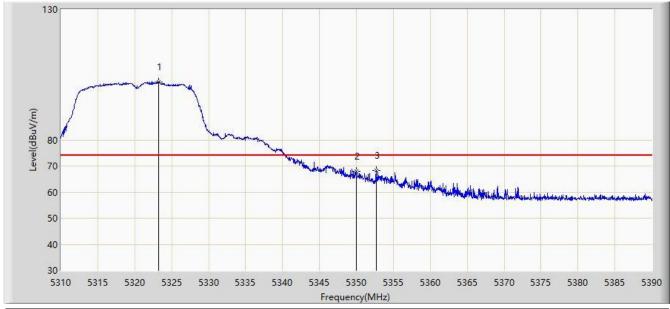
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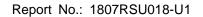
7.8.2.Test Result

Site: AC1	Time: 2018/02/28 - 03:11			
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang			
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal			
EUT: Wi-Fi USB Dongle	Power: DC 5V			
Test Mode: Transmit by 802.11a at Channel 5320MHz				



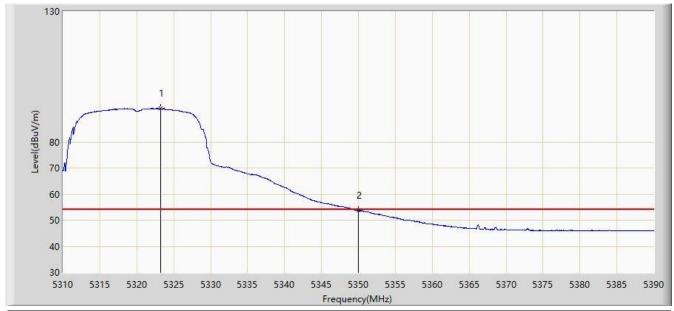
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5323.240	102.283	95.971	N/A	N/A	6.312	PK
2			5350.000	67.885	61.425	-6.115	74.000	6.460	PK
3			5352.680	68.245	61.772	-5.755	74.000	6.473	PK

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

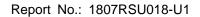




Site: AC1	Time: 2018/02/28 - 02:21				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11a at Channel 5320MHz					

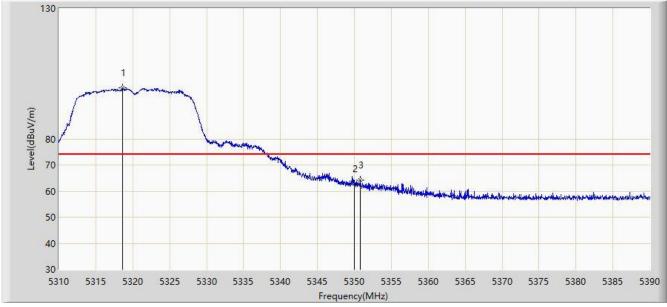


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5323.240	92.874	86.562	N/A	N/A	6.312	AV
2			5350.000	53.862	47.402	-0.138	54.000	6.460	AV

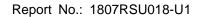




Site: AC1	Time: 2018/02/28 - 03:14				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11a at Channel 5320MHz					

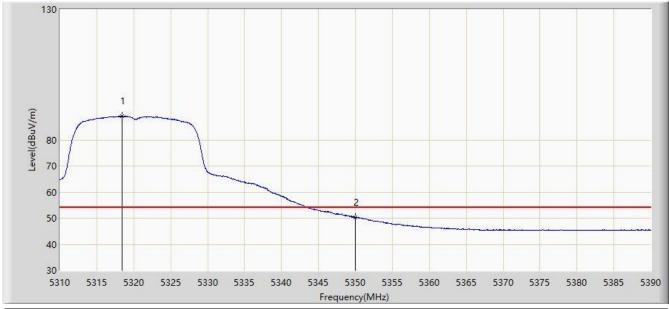


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5318.600	99.441	93.155	N/A	N/A	6.285	PK
2			5350.000	62.644	56.184	-11.356	74.000	6.460	PK
3			5350.760	64.100	57.636	-9.900	74.000	6.463	PK

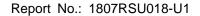




Site: AC1	Time: 2018/02/28 - 03:16			
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang			
Probe: BBHA9120D_1-18GHz	Polarity: Vertical			
EUT: Wi-Fi USB Dongle	Power: DC 5V			
Test Mode: Transmit by 802.11a at Channel 5320MHz				

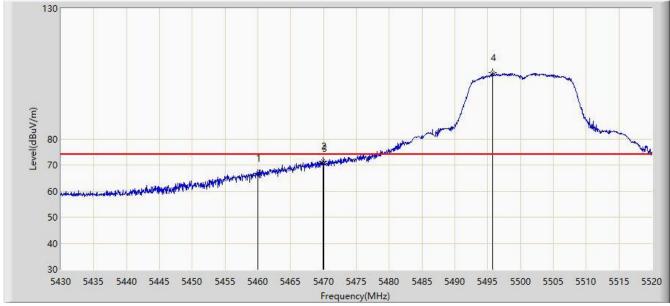


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5318.400	89.147	82.863	N/A	N/A	6.285	AV
2			5350.000	50.401	43.941	-3.599	54.000	6.460	AV

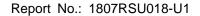




Site: AC1	Time: 2018/02/28 - 03:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wi-Fi USB Dongle	Power: DC 5V
Test Mode: Transmit by 802.11a at Channel 5500MHz	

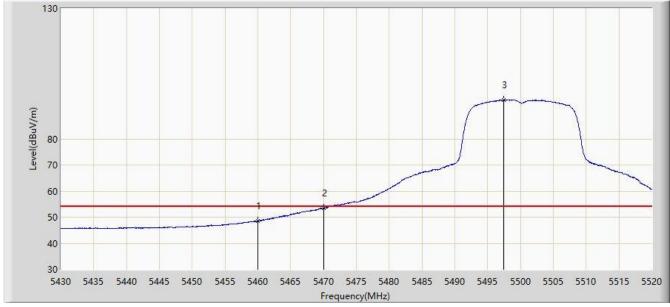


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			5460.000	66.943	60.141	-7.057	74.000	6.802	PK
2			5469.870	71.349	64.505	-2.651	74.000	6.844	PK
3			5470.000	70.444	63.599	-3.556	74.000	6.845	PK
4		*	5495.790	105.245	98.419	N/A	N/A	6.826	PK

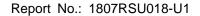




Site: AC1	Time: 2018/02/28 - 03:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wi-Fi USB Dongle	Power: DC 5V
Test Mode: Transmit by 802.11a at Channel 5500MHz	



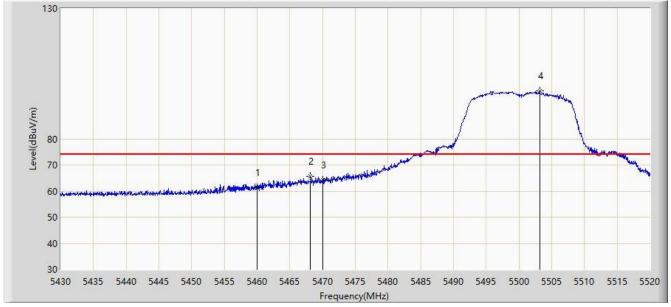
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			5460.000	48.513	41.711	-5.487	54.000	6.802	AV
2			5470.000	53.417	46.572	-0.583	54.000	6.845	AV
3		*	5497.410	94.910	88.086	N/A	N/A	6.823	AV



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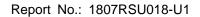


Site: AC1	Time: 2018/02/28 - 03:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wi-Fi USB Dongle	Power: DC 5V
Test Mode: Transmit by 802.11a at Channel 5500MHz	



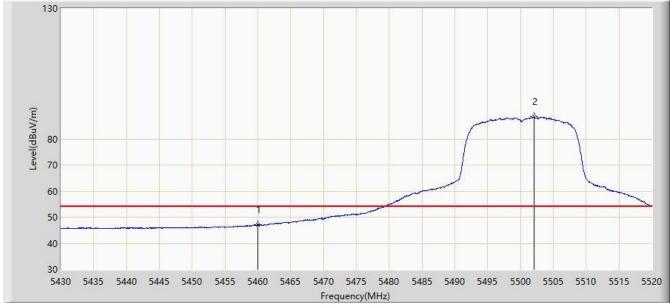
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			5460.000	61.389	54.587	-12.611	74.000	6.802	PK
2			5468.115	65.748	58.911	-8.252	74.000	6.836	PK
3			5470.000	64.260	57.415	-9.740	74.000	6.845	PK
4		*	5503.170	98.361	91.547	N/A	N/A	6.814	PK

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

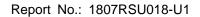




Site: AC1	Time: 2018/02/28 - 04:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wi-Fi USB Dongle	Power: DC 5V
Test Mode: Transmit by 802.11a at Channel 5500MHz	

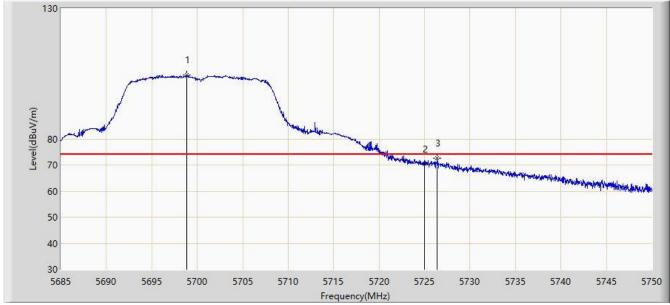


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			5460.000	47.142	40.340	-6.858	54.000	6.802	AV
2		*	5502.090	88.439	81.623	N/A	N/A	6.816	AV

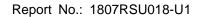




Site: AC1	Time: 2018/02/28 - 04:27				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11a at Channel 5700MHz					

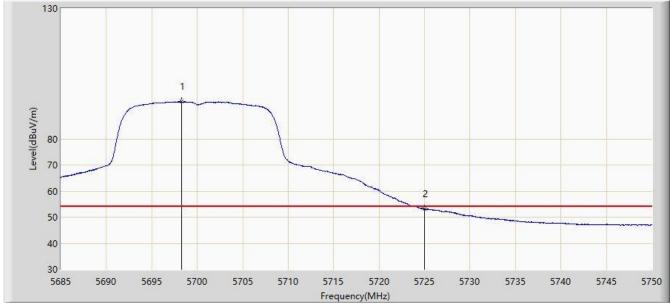


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5698.845	104.539	97.381	N/A	N/A	7.158	PK
2			5725.000	70.256	62.928	-3.744	74.000	7.328	PK
3			5726.373	72.576	65.241	-1.424	74.000	7.335	PK

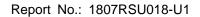




Site: AC1	Time: 2018/02/28 - 04:26				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11a at Channel 5700MHz					

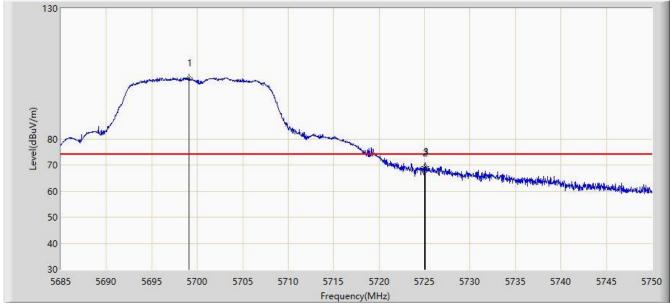


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5698.292	94.241	87.087	N/A	N/A	7.154	AV
2			5725.000	53.198	45.870	-0.802	54.000	7.328	AV

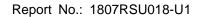




Site: AC1	Time: 2018/02/28 - 04:38				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11a at Channel 5700MHz					

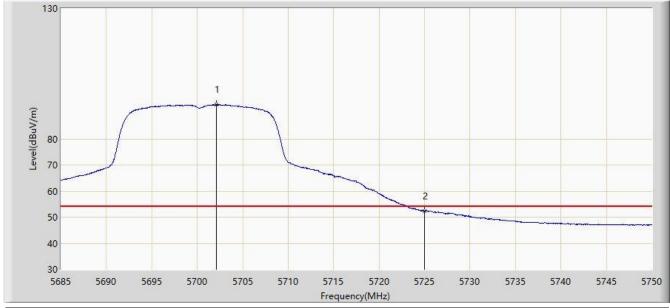


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5699.072	103.473	96.314	N/A	N/A	7.158	PK
2			5725.000	68.898	61.570	-5.102	74.000	7.328	PK
3			5725.072	69.445	62.117	-4.555	74.000	7.328	PK

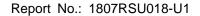




Site: AC1	Time: 2018/02/28 - 04:47				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11a at Channel 5700MHz					

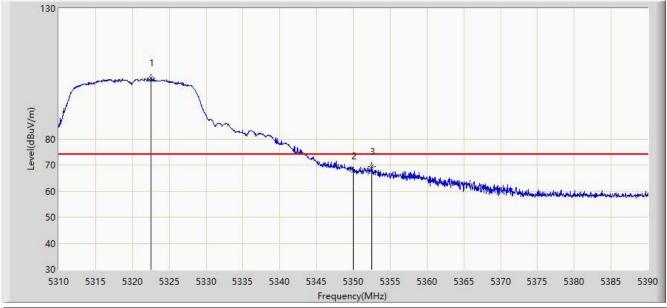


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5702.127	93.168	85.988	N/A	N/A	7.179	AV
2			5725.000	52.347	45.019	-1.653	54.000	7.328	AV

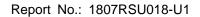




Site: AC1	Time: 2018/02/28 - 04:58				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz					

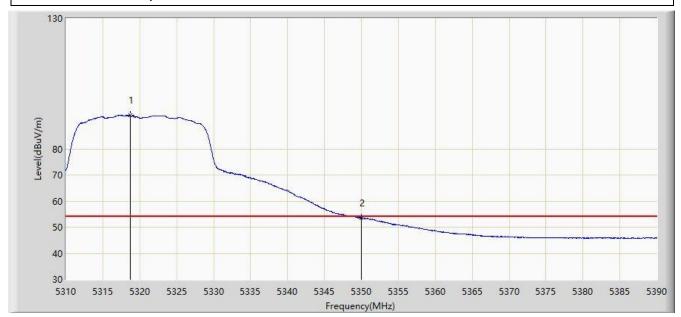


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5322.560	103.196	96.888	N/A	N/A	6.308	PK
2			5350.000	67.607	61.147	-6.393	74.000	6.460	PK
3			5352.480	69.346	62.874	-4.654	74.000	6.472	PK

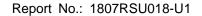




Site: AC1	Time: 2018/02/28 - 04:56				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz					

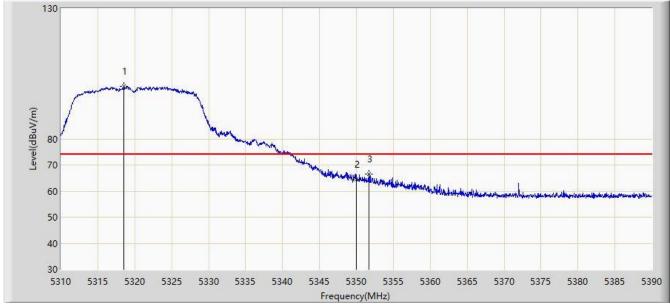


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5318.720	92.870	86.584	N/A	N/A	6.285	AV
2			5350.000	53.577	47.117	-0.423	54.000	6.460	AV

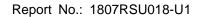




Site: AC1	Time: 2018/02/28 - 05:02				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz					

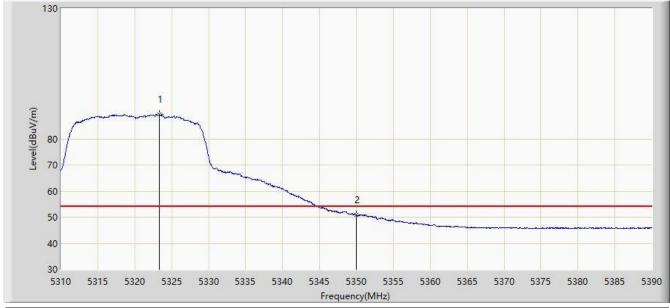


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5318.560	100.057	93.772	N/A	N/A	6.285	PK
2			5350.000	64.424	57.964	-9.576	74.000	6.460	PK
3			5351.680	66.583	60.114	-7.417	74.000	6.469	PK

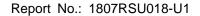




Site: AC1	Time: 2018/02/28 - 05:05				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz					

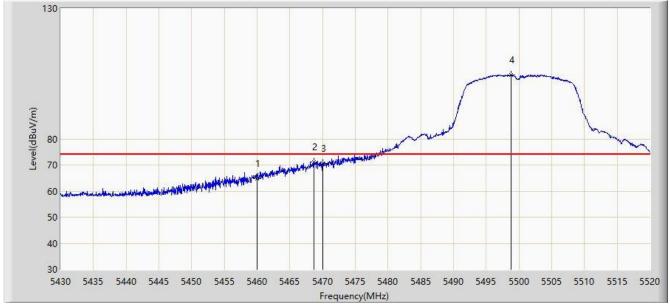


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5323.360	89.334	83.021	N/A	N/A	6.313	AV
2			5350.000	50.913	44.453	-3.087	54.000	6.460	AV

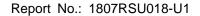




Site: AC1	Time: 2018/02/28 - 05:35				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz					

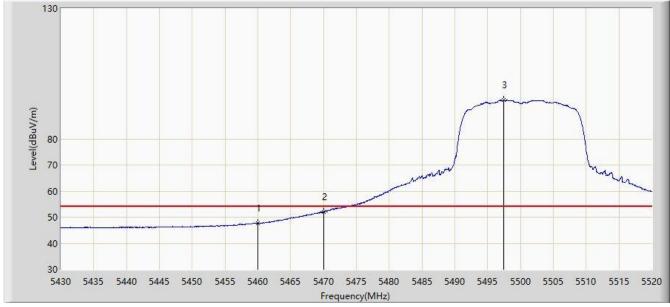


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			5460.000	64.833	58.031	-9.167	74.000	6.802	PK
2			5468.655	71.304	64.465	-2.696	74.000	6.839	PK
3			5470.000	70.546	63.701	-3.454	74.000	6.845	PK
4		*	5498.805	104.497	97.676	N/A	N/A	6.821	PK

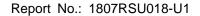




Site: AC1	Time: 2018/02/28 - 05:23				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz					

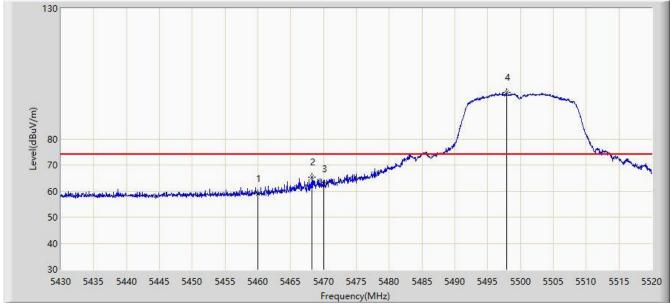


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			5460.000	47.700	40.898	-6.300	54.000	6.802	AV
2			5470.000	52.091	45.246	-1.909	54.000	6.845	AV
3		*	5497.455	94.936	88.113	N/A	N/A	6.823	AV

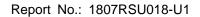




Site: AC1	Time: 2018/02/28 - 05:43				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz					



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			5460.000	58.845	52.043	-15.155	74.000	6.802	PK
2			5468.250	65.219	58.382	-8.781	74.000	6.837	PK
3			5470.000	62.852	56.007	-11.148	74.000	6.845	PK
4		*	5497.905	97.748	90.925	N/A	N/A	6.824	PK

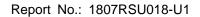




Site: AC1	Time: 2018/02/28 - 05:47				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz					

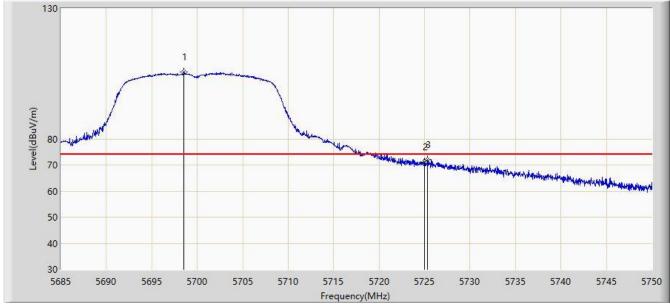


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			5460.000	46.429	39.627	-7.571	54.000	6.802	AV
2		*	5498.805	86.988	80.167	N/A	N/A	6.821	AV

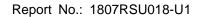




Site: AC1	Time: 2018/02/28 - 06:03				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz					

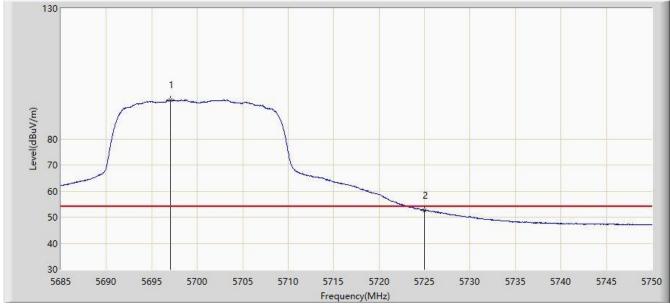


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5698.553	105.513	98.357	N/A	N/A	7.156	PK
2			5725.000	71.037	63.709	-2.963	74.000	7.328	PK
3			5725.333	71.949	64.619	-2.051	74.000	7.329	PK

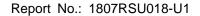




Site: AC1	Time: 2018/02/28 - 05:59				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz					

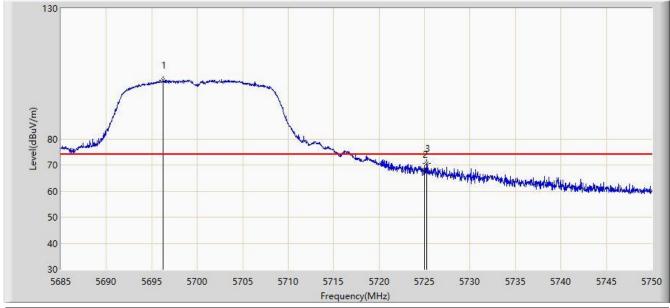


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5697.058	94.911	87.765	N/A	N/A	7.145	AV
2			5725.000	52.661	45.333	-1.339	54.000	7.328	AV

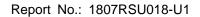




Site: AC1	Time: 2018/02/28 - 06:18				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz					

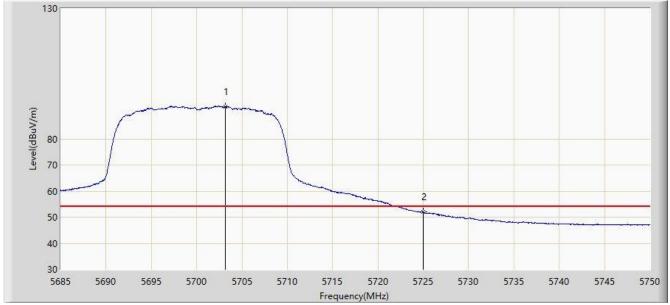


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5696.277	102.524	95.384	N/A	N/A	7.140	PK
2			5725.000	68.380	61.052	-5.620	74.000	7.328	PK
3			5725.203	70.650	63.321	-3.350	74.000	7.329	PK

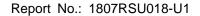




Site: AC1	Time: 2018/02/28 - 06:25				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz					

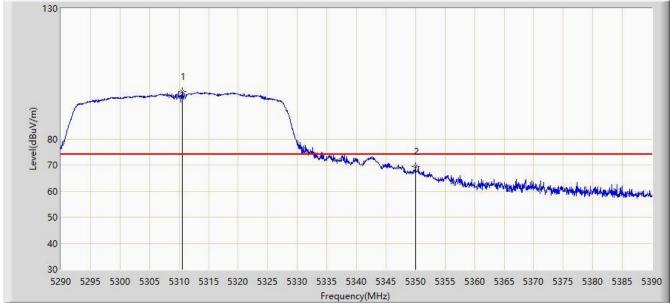


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5703.167	92.413	85.226	N/A	N/A	7.187	AV
2			5725.000	51.904	44.576	-2.096	54.000	7.328	AV

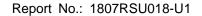




Site: AC1	Time: 2018/02/28 - 07:21				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz					

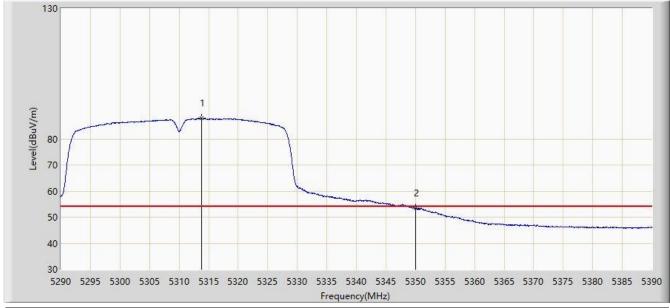


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5310.500	98.206	91.936	N/A	N/A	6.270	PK
2			5350.000	69.492	63.032	-4.508	74.000	6.460	PK

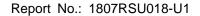




Site: AC1	Time: 2018/02/28 - 06:39				
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: Wi-Fi USB Dongle	Power: DC 5V				
Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz					

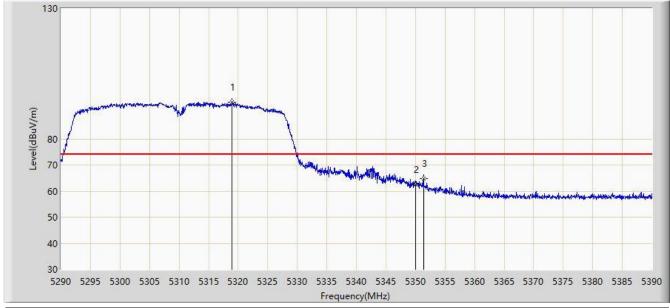


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5313.750	87.912	81.638	N/A	N/A	6.274	AV
2			5350.000	53.339	46.879	-0.661	54.000	6.460	AV

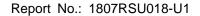




Site: AC1	Time: 2018/02/28 - 07:25			
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang			
Probe: BBHA9120D_1-18GHz	Polarity: Vertical			
EUT: Wi-Fi USB Dongle	Power: DC 5V			
Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz				

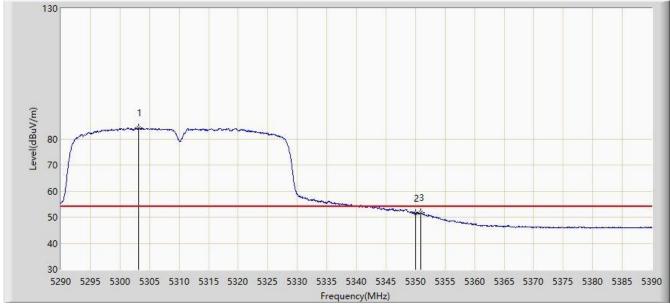


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5319.000	94.018	87.730	N/A	N/A	6.288	PK
2			5350.000	62.394	55.934	-11.606	74.000	6.460	PK
3			5351.400	64.708	58.241	-9.292	74.000	6.468	PK

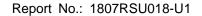




Site: AC1	Time: 2018/02/28 - 07:28			
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang			
Probe: BBHA9120D_1-18GHz	Polarity: Vertical			
EUT: Wi-Fi USB Dongle	Power: DC 5V			
Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz				

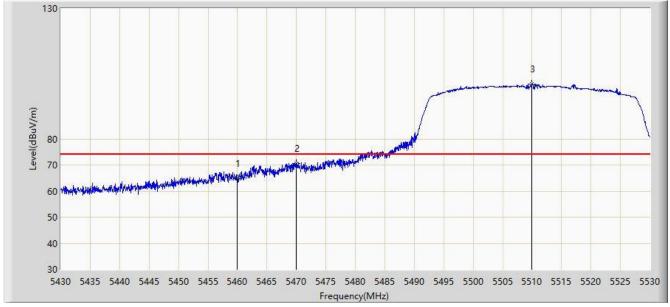


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	5303.150	84.175	77.914	N/A	N/A	6.261	AV
2			5350.000	51.491	45.031	-2.509	54.000	6.460	AV
3			5350.900	51.658	45.193	-2.342	54.000	6.465	AV





Site: AC1	Time: 2018/02/28 - 07:41			
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang			
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal			
EUT: Wi-Fi USB Dongle	Power: DC 5V			
Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz				



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			5460.000	64.754	57.952	-9.246	74.000	6.802	PK
2			5470.000	70.518	63.673	-3.482	74.000	6.845	PK
3		*	5510.000	100.998	94.186	N/A	N/A	6.811	PK