

































# 7.8. Frequency Stability Measurement

## 7.8.1. 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.

## 7.8.2. 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.

#### 7.8.3. Test Setup





# 7.8.4. Test Result

Test Engineer	Milo Li	Temperature	-20 ~ 50°C
Test Time	08-10-2015	Relative Humidity	52%RH

Voltage	Power	Temp	Frequency Tolerance (ppm)			
(%)	(VAC)	(°C)	0 minutes	2 minutes	5 minutes	10 minutes
		- 30	-2.92	-3.06	-3.31	-3.52
		- 20	-2.60	-2.91	-2.39	-2.50
		- 10	-1.79	-2.76	-2.91	-1.85
		0	-1.76	-2.04	-1.78	-1.42
100%	120	+ 10	-0.54	-0.95	-0.74	0.18
		+ 20 (Ref)	-0.62	-1.00	-0.96	-0.20
		+ 30	-1.91	-2.60	-1.73	-1.81
		+ 40	-2.40	-2.26	-2.05	-1.82
		+ 50	-1.60	-2.30	-3.00	-2.52
115%	138	+ 20	-2.49	-2.44	-2.87	-2.32
85%	102	+ 20	-2.34	-1.88	-1.65	-1.40

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) – Declared Frequency (Hz)] / Declared Frequency (Hz)}  $*10^{6}$ .



# 7.9. Radiated Spurious Emission Measurement

## 7.9.1. Test Limit

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

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

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

# 7.9.2. Test Procedure Used

KDB 789033 D02v01 - Section G

#### 7.9.3. Test Setting

#### Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize



## **Quasi-Peak Measurements below 1GHz**

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

## Average Measurements above 1GHz (Method AD)

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = power average (Average)
- 5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
- 6. Sweep time = auto
- 7. Trace was averaged over at 100 sweeps

# 7.9.4. Test Setup

<u>9kHz ~ 30MHz Test Setup:</u>





# 30MHz ~ 1GHz Test Setup:





# 7.9.5. Test Result

Test Mode:	802.11a - Ant 1	Test Site:	AC1				
Test Channel:	36	Test Engineer:	Milo Li				
Remark:	1. Average measurement was not performed if peak level lower than average						
	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.						

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7230.5	37.8	7.8	45.6	68.2	-22.6	Peak	Horizontal
*	8599.0	38.0	8.7	46.7	68.2	-21.5	Peak	Horizontal
	11013.0	36.4	13.0	49.4	74.0	-24.6	Peak	Horizontal
	11497.5	36.5	12.8	49.3	74.0	-24.7	Peak	Horizontal
*	7123.5	35.7	7.6	43.3	68.2	-24.9	Peak	Vertical
*	8769.3	36.5	8.9	45.4	68.2	-22.8	Peak	Vertical
	10896.5	35.1	13.0	48.1	74.0	-25.9	Peak	Vertical
	11563.2	35.4	12.7	48.1	74.0	-25.9	Peak	Vertical

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

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11a - Ant 1	Test Site:	AC1			
Test Channel:	44	Test Engineer:	Milo Li			
Remark:	1. Average measurement was not performed if peak level lower than average					
	limit.					
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show					
	in the report.					

	riequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7123.5	35.5	7.6	43.1	68.2	-25.1	Peak	Horizontal
*	10450.3	36.3	12.0	48.3	68.2	-19.9	Peak	Horizontal
	11621.3	35.0	12.5	47.5	74.0	-26.5	Peak	Horizontal
	11623.6	35.0	12.5	47.5	74.0	-26.5	Peak	Horizontal
*	8899.3	35.3	9.2	44.5	68.2	-23.7	Peak	Vertical
*	10236.3	34.4	11.9	46.3	68.2	-21.9	Peak	Vertical
	10896.2	35.1	13.0	48.1	74.0	-25.9	Peak	Vertical
	11236.2	35.2	12.4	47.6	74.0	-26.4	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11a - Ant 1	Test Site:	AC1			
Test Channel:	48	Test Engineer:	Milo Li			
Remark:	1. Average measurement was not performed if peak level lower than average					
	limit.					
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show					
	in the report.					

	riequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7856.3	36.6	8.4	45.0	68.2	-23.2	Peak	Horizontal
*	8865.3	35.1	9.1	44.2	68.2	-24.0	Peak	Horizontal
	10986.0	35.3	13.0	48.3	74.0	-25.7	Peak	Horizontal
	11695.8	35.7	12.0	47.7	74.0	-26.3	Peak	Horizontal
*	9534.0	37.3	10.8	48.1	68.2	-20.1	Peak	Vertical
*	10477.5	38.7	12.2	50.9	68.2	-17.3	Peak	Vertical
	11123.3	34.6	12.7	47.3	74.0	-26.7	Peak	Vertical
	11685.0	35.0	12.1	47.1	74.0	-26.9	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11a - Ant 1	Test Site:	AC1				
Test Channel:	149	Test Engineer:	Milo Li				
Remark:	1. Average measurement was not performed if peak level lower than average						
	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.						

Mark	Frequency (MHz)	Reading Level	Factor (dB)	Measure Level	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
		(αΒμν)		(dBhA/w)				
*	7220.0	34.9	7.8	42.7	68.2	-25.5	Peak	Horizontal
*	8875.0	34.4	9.2	43.6	68.2	-24.6	Peak	Horizontal
	10896.0	34.3	13.0	47.3	74.0	-26.7	Peak	Horizontal
	11489.5	46.0	12.8	58.8	74.0	-15.2	Peak	Horizontal
	11489.5	31.3	12.8	44.1	54.0	-9.9	Average	Horizontal
*	7104.0	35.7	7.5	43.2	68.2	-25.0	Peak	Vertical
*	8785.0	35.6	8.9	44.5	68.2	-23.7	Peak	Vertical
	10956.0	33.9	13.1	47.0	74.0	-27.0	Peak	Vertical
	11490.7	45.8	12.8	58.6	74.0	-15.4	Peak	Vertical
	11490.7	31.5	12.8	44.3	54.0	-9.7	Average	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,								
the field strength limit in $dB\mu V/m$ can be determined by adding a "conversion" factor of 95.2dB to the								
EIRP li	mit of -27dBr	n/MHz to obta	ain the limi <sup>.</sup>	t for out of ba	and spurious er	nissions.		



Test Mode:	802.11a - Ant 1	Test Site:	AC1				
Test Channel:	157	Test Engineer:	Milo Li				
Remark:	1. Average measurement was not performed if peak level lower than average						
	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.						

Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
	(dBµV)		(dBµV/m)				
7132.0	35.3	7.7	43.0	68.2	-25.2	Peak	Horizontal
8965.0	35.0	9.0	44.0	68.2	-24.2	Peak	Horizontal
10865.0	34.1	12.8	46.9	74.0	-27.1	Peak	Horizontal
11569.4	44.8	12.7	57.5	74.0	-16.5	Peak	Horizontal
11569.4	31.4	12.7	44.1	54.0	-9.9	Average	Horizontal
7231.3	35.6	7.8	43.4	68.2	-24.8	Peak	Vertical
8756.0	34.7	9.0	43.7	68.2	-24.5	Peak	Vertical
10869.0	34.2	12.8	47.0	74.0	-27.0	Peak	Vertical
11569.1	44.6	12.7	57.3	74.0	-16.7	Peak	Vertical
11569.1	30.2	12.7	42.9	54.0	-11.1	Average	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,							
he field strength limit in $dB\mu V/m$ can be determined by adding a "conversion" factor of 95.2dB to the							
mit of -27dBr	n/MHz to obta	ain the limi <sup>.</sup>	t for out of ba	and spurious er	nissions.		
	Frequency (MHz) 7132.0 8965.0 10865.0 11569.4 11569.4 7231.3 8756.0 10869.0 11569.1 11569.1 11569.1 : "*" is not in r d strength lim mit of -27dBr	Frequency (MHz) Reading Level (dBμV)   7132.0 35.3   8965.0 35.0   10865.0 34.1   11569.4 44.8   11569.4 31.4   7231.3 35.6   8756.0 34.7   10869.0 34.2   11569.1 44.6   11569.1 30.2   : "*" is not in restricted band strength limit in dBμV/m   mit of -27dBm/MHz to obta	Frequency (MHz) Reading Level (dBμV) Factor (dB)   7132.0 35.3 7.7   8965.0 35.0 9.0   10865.0 34.1 12.8   11569.4 44.8 12.7   11569.4 31.4 12.7   7231.3 35.6 7.8   8756.0 34.7 9.0   10869.0 34.2 12.8   11569.1 44.6 12.7   11569.1 30.2 12.7   :**" is not in restricted band, its limit in dBµV/m can be delemit of -27dBm/MHz to obtain the limit 10	Frequency (MHz)Reading Level (dBμV)Factor (dB)Measure Level (dB)7132.035.37.743.08965.035.09.044.010865.034.112.846.911569.444.812.757.511569.431.412.744.17231.335.67.843.48756.034.79.043.710869.034.212.847.011569.144.612.757.311569.130.212.742.9: "*" is not in restricted band, its limit is -27dBm/MHzto obtain the limit for out of bar	Frequency (MHz)Reading Level (dBμV)Factor (dB)Measure Level (dBμV/m)Limit (dBμV/m)7132.035.37.743.068.28965.035.09.044.068.210865.034.112.846.974.011569.444.812.757.574.011569.431.412.743.468.28756.034.79.043.768.210869.034.212.847.074.011569.144.612.757.374.011569.130.212.742.954.0**" is not in restricted band, its limit is -27dBm/MHz or -17dBm/Istrength limit in dBµV/m can be determined by adding a "conver mit of -27dBm/MHz to obtain the limit for out of band spurious er	Frequency (MHz)Reading Level (dBµV)Factor (dB)Measure Level (dBµV/m)Limit (dBµV/m)Margin (dBµV/m)7132.035.37.743.068.2-25.28965.035.09.044.068.2-24.210865.034.112.846.974.0-27.111569.444.812.757.574.0-16.511569.431.412.744.154.0-9.97231.335.67.843.468.2-24.88756.034.79.043.768.2-24.510869.034.212.847.074.0-27.011569.144.612.757.374.0-16.711569.130.212.742.954.0-11.1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At ad strength limit in dBµV/m can be determined by adding a "conversion" facmit of -27dBm/MHz to obtain the limit for out of band spurious emissions.	Frequency (MHz) Reading Level (dBµV) Factor (dB) Measure Level (dBµV/m) Limit (dBµV/m) Margin (dBµV/m) Detector   7132.0 35.3 7.7 43.0 68.2 -25.2 Peak   8965.0 35.0 9.0 44.0 68.2 -24.2 Peak   10865.0 34.1 12.8 46.9 74.0 -27.1 Peak   11569.4 44.8 12.7 57.5 74.0 -16.5 Peak   11569.4 31.4 12.7 43.4 68.2 -24.8 Peak   7231.3 35.6 7.8 43.4 68.2 -24.5 Peak   10869.0 34.2 12.8 47.0 74.0 -27.0 Peak   10869.0 34.2 12.8 47.0 74.0 -27.0 Peak   11569.1 44.6 12.7 57.3 74.0 -16.7 Peak   11569.1 30.2 12.7 42.9 54.0 -11.1 Average   :**" i



Test Mode:	802.11a - Ant 1	Test Site:	AC1					
Test Channel:	165	Test Engineer:	Milo Li					
Remark:	1. Average measurement was no	1. Average measurement was not performed if peak level lower than average						
	limit.							
	2. Other frequency was 20dB bel	ow 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)				
*	7116.0	34.7	7.6	42.3	68.2	-25.9	Peak	Horizontal
*	8766.0	34.7	9.0	43.7	68.2	-24.5	Peak	Horizontal
	11089.0	34.9	12.8	47.7	74.0	-26.3	Peak	Horizontal
	11651.2	45.4	12.3	57.7	74.0	-16.3	Peak	Horizontal
	11651.2	30.3	12.3	42.6	54.0	-11.4	Average	Horizontal
*	7143.0	35.1	7.7	42.8	68.2	-25.4	Peak	Vertical
*	8756.0	34.8	9.0	43.8	68.2	-24.4	Peak	Vertical
	9462.0	35.1	10.5	45.6	74.0	-28.4	Peak	Vertical
	11650.6	44.2	12.3	56.5	74.0	-17.5	Peak	Vertical
	11650.6	32.0	12.3	44.3	54.0	-9.7	Average	Vertical
Note 1	Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,							
the fiel	d strength lim	it in dBµV/m	can be det	ermined by a	adding a "conve	ersion" fac	ctor of 95.	2dB to the
EIRP li	mit of -27dBr	n/MHz to obta	ain the limi <sup>.</sup>	t for out of ba	and spurious er	nissions.		



Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Remark:	1. Average measurement was no	t performed if peak l	evel lower than average
	limit.		
	2. Other frequency was 20dB bel	ow 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)				
*	7110.3	35.9	7.5	43.4	68.2	-24.8	Peak	Horizontal
*	8632.5	36.0	8.8	44.8	68.2	-23.4	Peak	Horizontal
	9345.2	34.7	10.5	45.2	74.0	-28.8	Peak	Horizontal
	10986.0	33.7	13.0	46.7	74.0	-27.3	Peak	Horizontal
*	7135.0	35.9	7.7	43.6	68.2	-24.6	Peak	Vertical
*	8765.0	34.8	9.0	43.8	68.2	-24.4	Peak	Vertical
	9056.0	34.4	9.0	43.4	74.0	-30.6	Peak	Vertical
	10896.0	33.6	13.0	46.6	74.0	-27.4	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1				
Test Channel:	44	Test Engineer:	Milo Li				
Remark:	1. Average measurement was no	t performed if peak l	evel 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)				
*	7231.0	34.9	7.8	42.7	68.2	-25.5	Peak	Horizontal
*	8756.0	34.9	9.0	43.9	68.2	-24.3	Peak	Horizontal
	9456.0	35.0	10.5	45.5	74.0	-28.5	Peak	Horizontal
	10896.0	34.1	13.0	47.1	74.0	-26.9	Peak	Horizontal
*	7108.0	35.3	7.5	42.8	68.2	-25.4	Peak	Vertical
*	7823.0	35.2	8.4	43.6	68.2	-24.6	Peak	Vertical
	9052.0	33.8	9.0	42.8	74.0	-31.2	Peak	Vertical
	10653.0	34.3	12.3	46.6	74.0	-27.4	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1				
Test Channel:	48	Test Engineer:	Milo Li				
Remark:	1. Average measurement was no	t performed if peak l	evel 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)				
*	7106.0	35.5	7.5	43.0	68.2	-25.2	Peak	Horizontal
*	8638.0	35.1	8.8	43.9	68.2	-24.3	Peak	Horizontal
	9123.0	34.9	9.6	44.5	74.0	-29.5	Peak	Horizontal
	10856.0	35.0	12.8	47.8	74.0	-26.2	Peak	Horizontal
*	7106.0	35.1	7.5	42.6	68.2	-25.6	Peak	Vertical
*	8603.3	35.5	8.7	44.2	68.2	-24.0	Peak	Vertical
	9356.0	33.7	10.5	44.2	74.0	-29.8	Peak	Vertical
	11230.0	33.9	12.4	46.3	74.0	-27.7	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1					
Test Channel:	149	Test Engineer:	Milo Li					
Remark:	1. Average measurement was no	1. Average measurement was not performed if peak level lower than average						
	limit.							
	2. Other frequency was 20dB bel	ow 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)				
*	7012.3	35.0	6.9	41.9	68.2	-26.3	Peak	Horizontal
*	8965.3	36.1	9.0	45.1	68.2	-23.1	Peak	Horizontal
	9356.2	33.8	10.5	44.3	74.0	-29.7	Peak	Horizontal
	11490.3	44.4	12.8	57.2	74.0	-16.8	Peak	Horizontal
	11490.3	30.7	12.8	43.5	54.0	-10.5	Average	Horizontal
*	7965.0	35.4	8.6	44.0	68.2	-24.2	Peak	Vertical
*	8645.0	34.8	8.8	43.6	68.2	-24.6	Peak	Vertical
	9136.3	35.1	9.7	44.8	74.0	-29.2	Peak	Vertical
	11490.5	46.9	12.8	59.7	74.0	-14.3	Peak	Vertical
	11490.5	33.2	12.8	46.0	54.0	-8.0	Average	Vertical
Note 1	Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,							
the fiel	d strength lim	it in dBµV/m	can be det	termined by a	adding a "conve	ersion" fac	ctor of 95.	2dB to the

EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1					
Test Channel:	157	Test Engineer:	Milo Li					
Remark:	1. Average measurement was no	1. Average measurement was not performed if peak level lower than average						
	limit.							
	2. Other frequency was 20dB bel	ow 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)				
*	7865.3	35.4	8.4	43.8	68.2	-24.4	Peak	Horizontal
*	8745.0	34.5	9.0	43.5	68.2	-24.7	Peak	Horizontal
	9356.0	33.3	10.5	43.8	74.0	-30.2	Peak	Horizontal
	11569.1	43.6	12.7	56.3	74.0	-17.7	Peak	Horizontal
	11569.1	30.9	12.7	43.6	54.0	-10.4	Average	Horizontal
*	7023.3	35.2	6.9	42.1	68.2	-26.1	Peak	Vertical
*	8796.3	34.6	8.9	43.5	68.2	-24.7	Peak	Vertical
	9456.3	34.7	10.5	45.2	74.0	-28.8	Peak	Vertical
	11569.5	44.5	12.7	57.2	74.0	-16.8	Peak	Vertical
	11569.5	33.0	12.7	45.7	54.0	-8.3	Average	Vertical
Note 1	Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,							
the fiel	the field strength limit in $dB\mu V/m$ can be determined by adding a "conversion" factor of 95.2dB to the							
EIRP li	mit of -27dBn	n/MHz to obta	ain the limi	t for out of ba	and spurious er	nissions.		



Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1					
Test Channel:	165	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	7865.2	35.2	8.4	43.6	68.2	-24.6	Peak	Horizontal
*	8656.0	35.0	8.8	43.8	68.2	-24.4	Peak	Horizontal
	9065.8	35.7	9.1	44.8	74.0	-29.2	Peak	Horizontal
	11651.1	42.9	12.3	55.2	74.0	-18.8	Peak	Horizontal
	11651.1	29.8	12.3	42.1	54.0	-11.9	Average	Horizontal
*	7120.3	34.4	7.6	42.0	68.2	-26.2	Peak	Vertical
*	8636.5	35.0	8.8	43.8	68.2	-24.4	Peak	Vertical
	9152.3	34.7	9.8	44.5	74.0	-29.5	Peak	Vertical
	11648.9	44.7	12.3	57.0	74.0	-17.0	Peak	Vertical
	11648.9	31.3	12.3	43.6	54.0	-10.4	Average	Vertical
Note 1:	Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,							
the field	d strength lim	nit in dBµV/m	can be det	termined by a	adding a "conve	ersion" fac	ctor of 95.	2dB to the
EIRP li	mit of -27dBn	n/MHz to obta	ain the limi <sup>.</sup>	t for out of ba	and spurious er	nissions.		



Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1				
Test Channel:	38	Test Engineer:	Milo Li				
Remark:	1. 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)				
*	7845.2	35.7	8.4	44.1	68.2	-24.1	Peak	Horizontal
*	8712.6	35.1	9.0	44.1	68.2	-24.1	Peak	Horizontal
	9425.6	34.8	10.6	45.4	74.0	-28.6	Peak	Horizontal
	11030.0	35.9	13.0	48.9	74.0	-25.1	Peak	Horizontal
*	7845.6	35.8	8.4	44.2	68.2	-24.0	Peak	Vertical
*	8765.2	35.2	9.0	44.2	68.2	-24.0	Peak	Vertical
	9132.3	35.3	9.7	45.0	74.0	-29.0	Peak	Vertical
	11438.0	36.7	12.6	49.3	74.0	-24.7	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1				
Test Channel:	46	Test Engineer:	Milo Li				
Remark:	1. 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)				
*	7812.6	34.5	8.4	42.9	68.2	-25.3	Peak	Horizontal
*	8751.2	34.7	9.0	43.7	68.2	-24.5	Peak	Horizontal
	9194.0	36.3	10.1	46.4	74.0	-27.6	Peak	Horizontal
	10789.3	34.4	12.6	47.0	74.0	-27.0	Peak	Horizontal
*	7836.2	35.2	8.4	43.6	68.2	-24.6	Peak	Vertical
*	8725.3	34.4	9.0	43.4	68.2	-24.8	Peak	Vertical
	9126.0	36.0	9.7	45.7	74.0	-28.3	Peak	Vertical
	10749.5	35.4	12.5	47.9	74.0	-26.1	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1					
Test Channel:	151	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	7852.3	35.4	8.4	43.8	68.2	-24.4	Peak	Horizontal
*	8762.3	34.6	9.0	43.6	68.2	-24.6	Peak	Horizontal
	9456.8	35.1	10.5	45.6	74.0	-28.4	Peak	Horizontal
	11514.5	39.8	12.8	52.6	74.0	-21.4	Peak	Horizontal
*	7963.2	35.8	8.6	44.4	68.2	-23.8	Peak	Vertical
*	8762.3	35.0	9.0	44.0	68.2	-24.2	Peak	Vertical
	9452.3	34.5	10.5	45.0	74.0	-29.0	Peak	Vertical
	11514.5	39.9	12.8	52.7	74.0	-21.3	Peak	Vertical
	11514.5	39.9	12.8	52.7	74.0	-21.3	Peak	Vertic

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1					
Test Channel:	159	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	7896.0	35.0	8.4	43.4	68.2	-24.8	Peak	Horizontal
*	8765.3	35.1	9.0	44.1	68.2	-24.1	Peak	Horizontal
	9136.3	34.5	9.7	44.2	74.0	-29.8	Peak	Horizontal
	11608.0	39.0	12.5	51.5	74.0	-22.5	Peak	Horizontal
*	7862.3	34.5	8.4	42.9	68.2	-25.3	Peak	Vertical
*	8752.3	34.0	9.0	43.0	68.2	-25.2	Peak	Vertical
	9123.6	33.8	9.6	43.4	74.0	-30.6	Peak	Vertical
	11599.5	39.4	12.6	52.0	74.0	-22.0	Peak	Vertical
	((d)) · · · ·							

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 1	Test Site:	AC1				
Test Channel:	36	Test Engineer:	Milo Li				
Remark:	1. 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)				
*	7856.1	34.8	8.4	43.2	68.2	-25.0	Peak	Horizontal
*	8763.1	34.1	9.0	43.1	68.2	-25.1	Peak	Horizontal
	9136.8	35.0	9.7	44.7	74.0	-29.3	Peak	Horizontal
	11563.3	34.3	12.7	47.0	74.0	-27.0	Peak	Horizontal
*	7865.3	34.8	8.4	43.2	68.2	-25.0	Peak	Vertical
*	8745.9	33.8	9.0	42.8	68.2	-25.4	Peak	Vertical
	9123.6	34.6	9.6	44.2	74.0	-29.8	Peak	Vertical
	10856.3	33.6	12.8	46.4	74.0	-27.6	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 1	Test Site:	AC1				
Test Channel:	44	Test Engineer:	Milo Li				
Remark:	1. Average measurement was not performed if peak level lower than average						
	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.						

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7863.5	35.3	8.4	43.7	68.2	-24.5	Peak	Horizontal
*	8742.3	34.1	9.0	43.1	68.2	-25.1	Peak	Horizontal
	9165.9	34.2	9.8	44.0	74.0	-30.0	Peak	Horizontal
	11645.3	34.6	12.4	47.0	74.0	-27.0	Peak	Horizontal
*	7863.3	35.1	8.4	43.5	68.2	-24.7	Peak	Vertical
*	8745.2	33.9	9.0	42.9	68.2	-25.3	Peak	Vertical
	9165.3	34.0	9.8	43.8	74.0	-30.2	Peak	Vertical
	11634.9	34.1	12.4	46.5	74.0	-27.5	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 1	Test Site:	AC1				
Test Channel:	48	Test Engineer:	Milo Li				
Remark:	1. Average measurement was not performed if peak level lower than average						
	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.						

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7869.6	35.0	8.4	43.4	68.2	-24.8	Peak	Horizontal
*	8725.6	34.8	9.0	43.8	68.2	-24.4	Peak	Horizontal
	9169.3	34.4	9.9	44.3	74.0	-29.7	Peak	Horizontal
	11659.4	34.6	12.3	46.9	74.0	-27.1	Peak	Horizontal
*	7962.3	35.7	8.6	44.3	68.2	-23.9	Peak	Vertical
*	8863.0	34.3	9.1	43.4	68.2	-24.8	Peak	Vertical
	9456.3	35.0	10.5	45.5	74.0	-28.5	Peak	Vertical
	10758.0	35.7	12.5	48.2	74.0	-25.8	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 1	Test Site:	AC1				
Test Channel:	149	Test Engineer:	Milo Li				
Remark:	1. Average measurement was not performed if peak level lower than average						
	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.						

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7865.3	35.2	8.4	43.6	68.2	-24.6	Peak	Horizontal
*	8745.2	34.5	9.0	43.5	68.2	-24.7	Peak	Horizontal
	9165.8	34.5	9.8	44.3	74.0	-29.7	Peak	Horizontal
	11490.0	42.3	12.8	55.1	74.0	-18.9	Peak	Horizontal
	11490.0	30.3	12.8	43.1	54.0	-10.9	Average	Horizontal
*	7865.3	35.6	8.4	44.0	68.2	-24.2	Peak	Vertical
*	8962.3	33.9	9.0	42.9	68.2	-25.3	Peak	Vertical
	9136.9	35.6	9.7	45.3	74.0	-28.7	Peak	Vertical
	11490.0	44.8	12.8	57.6	74.0	-16.4	Peak	Vertical
	11490.0	32.8	12.8	45.6	54.0	-8.4	Average	Vertical
Note 1	Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,							
the fiel	d strength lim	it in dBµV/m	can be det	termined by a	adding a "conve	ersion" fa	ctor of 95.	2dB to the

EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 1	Test Site:	AC1				
Test Channel:	157	Test Engineer:	Milo Li				
Remark:	1. Average measurement was not performed if peak level lower than average						
	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.						

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7869.0	35.5	8.4	43.9	68.2	-24.3	Peak	Horizontal
*	8725.0	34.3	9.0	43.3	68.2	-24.9	Peak	Horizontal
	9125.3	33.9	9.7	43.6	74.0	-30.4	Peak	Horizontal
	11569.2	42.7	12.7	55.4	74.0	-18.6	Peak	Horizontal
	11569.2	31.3	12.7	44.0	54.0	-10.0	Average	Horizontal
*	7852.3	35.3	8.4	43.7	68.2	-24.5	Peak	Vertical
*	8745.3	34.0	9.0	43.0	68.2	-25.2	Peak	Vertical
	9156.3	35.0	9.8	44.8	74.0	-29.2	Peak	Vertical
	11570.0	41.6	12.7	54.3	74.0	-19.7	Peak	Vertical
	11570.0	30.9	12.7	43.6	54.0	-10.4	Average	Vertical
Note 1	Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,							
the fiel	d strength lim	it in dBµV/m	can be det	termined by a	adding a "conve	ersion" fac	ctor of 95.	2dB to the
EIRP li	mit of -27dBr	n/MHz to obta	ain the limi	t for out of ba	and spurious er	nissions.		



Test Mode:	802.11ac-VHT20 - Ant 1	Test Site:	AC1				
Test Channel:	165	Test Engineer:	Milo Li				
Remark:	1. Average measurement was not performed if peak level lower than average						
	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.						

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7836.3	34.8	8.4	43.2	68.2	-25.0	Peak	Horizontal
*	8725.9	34.4	9.0	43.4	68.2	-24.8	Peak	Horizontal
	9168.8	34.5	9.9	44.4	74.0	-29.6	Peak	Horizontal
	11650.5	40.5	12.3	52.8	74.0	-21.2	Peak	Horizontal
*	7836.3	35.0	8.4	43.4	68.2	-24.8	Peak	Vertical
*	8756.3	34.2	9.0	43.2	68.2	-25.0	Peak	Vertical
	9136.3	33.8	9.7	43.5	74.0	-30.5	Peak	Vertical
	11642.0	40.3	12.4	52.7	74.0	-21.3	Peak	Vertical
*	7836.3 8756.3 9136.3 11642.0	35.0 34.2 33.8 40.3	8.4 9.0 9.7 12.4	43.4 43.2 43.5 52.7	68.2 68.2 74.0 74.0	-24.8 -25.0 -30.5 -21.3	Peak Peak Peak Peak	

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



Test Mode:	802.11ac-VHT40 - Ant 1	Test Site:	AC1				
Test Channel:	38	Test Engineer:	Milo Li				
Remark:	1. Average measurement was not performed if peak level lower than average						
	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.						

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7863.3	35.0	8.4	43.4	68.2	-24.8	Peak	Horizontal
*	8736.9	33.8	9.0	42.8	68.2	-25.4	Peak	Horizontal
	9168.3	35.0	9.9	44.9	74.0	-29.1	Peak	Horizontal
	11021.5	33.9	13.0	46.9	74.0	-27.1	Peak	Horizontal
*	7836.1	34.5	8.4	42.9	68.2	-25.3	Peak	Vertical
*	8796.1	34.3	8.9	43.2	68.2	-25.0	Peak	Vertical
	9185.6	34.1	10.0	44.1	74.0	-29.9	Peak	Vertical
	11021.5	33.3	13.0	46.3	74.0	-27.7	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)


Test Mode:	802.11ac-VHT40 - Ant 1	Test Site:	AC1					
Test Channel:	46	Test Engineer:	Milo Li					
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	ow 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)				
*	7852.3	34.7	8.4	43.1	68.2	-25.1	Peak	Horizontal
*	8763.5	33.6	9.0	42.6	68.2	-25.6	Peak	Horizontal
	9185.6	34.0	10.0	44.0	74.0	-30.0	Peak	Horizontal
	11021.5	33.9	13.0	46.9	74.0	-27.1	Peak	Horizontal
*	7863.9	35.0	8.4	43.4	68.2	-24.8	Peak	Vertical
*	8725.0	34.8	9.0	43.8	68.2	-24.4	Peak	Vertical
	9182.6	33.8	10.0	43.8	74.0	-30.2	Peak	Vertical
	11021.5	33.7	13.0	46.7	74.0	-27.3	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT40 - Ant 1	Test Site:	AC1					
Test Channel:	151	Test Engineer:	Milo Li					
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)				
*	7869.3	35.0	8.4	43.4	68.2	-24.8	Peak	Horizontal
*	8763.9	34.5	9.0	43.5	68.2	-24.7	Peak	Horizontal
	9186.4	33.9	10.1	44.0	74.0	-30.0	Peak	Horizontal
	11506.0	38.0	12.8	50.8	74.0	-23.2	Peak	Horizontal
*	7825.6	34.7	8.4	43.1	68.2	-25.1	Peak	Vertical
*	8796.2	34.4	8.9	43.3	68.2	-24.9	Peak	Vertical
	9182.9	34.1	10.0	44.1	74.0	-29.9	Peak	Vertical
	11514.5	41.2	12.8	54.0	74.0	-20.0	Peak	Vertical
	. "*" :		al de Basile	- 07.ID/M			- l'atan a	

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT40 - Ant 1	Test Site:	AC1					
Test Channel:	159	Test Engineer:	Milo Li					
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.							

riequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
	(dBµV)		(dBµV/m)				
7816.9	34.0	8.4	42.4	68.2	-25.8	Peak	Horizontal
8756.9	34.5	9.0	43.5	68.2	-24.7	Peak	Horizontal
9198.3	34.6	10.1	44.7	74.0	-29.3	Peak	Horizontal
11591.0	38.7	12.6	51.3	74.0	-22.7	Peak	Horizontal
7863.9	35.0	8.4	43.4	68.2	-24.8	Peak	Vertical
8715.9	34.2	9.0	43.2	68.2	-25.0	Peak	Vertical
9158.6	34.1	9.8	43.9	74.0	-30.1	Peak	Vertical
11616.5	38.6	12.5	51.1	74.0	-22.9	Peak	Vertical
	(MHz) 7816.9 8756.9 9198.3 11591.0 7863.9 8715.9 9158.6 11616.5	(MHz)     Level (dBµV)       7816.9     34.0       8756.9     34.5       9198.3     34.6       11591.0     38.7       7863.9     35.0       8715.9     34.2       9158.6     34.1       11616.5     38.6	(MHz)     Level (dBµV)     (dB)       7816.9     34.0     8.4       8756.9     34.5     9.0       9198.3     34.6     10.1       11591.0     38.7     12.6       7863.9     35.0     8.4       8715.9     34.2     9.0       9158.6     34.1     9.8       11616.5     38.6     12.5	(MHz)Level (dBµV)(dB)Level (dBµV/m)7816.934.08.442.48756.934.59.043.59198.334.610.144.711591.038.712.651.37863.935.08.443.48715.934.29.043.29158.634.19.843.911616.538.612.551.1	(MHz)Level (dBµV)(dB)Level (dBµV/m)(dBµV/m)7816.934.08.442.468.28756.934.59.043.568.29198.334.610.144.774.011591.038.712.651.374.07863.935.08.443.468.28715.934.29.043.268.29158.634.19.843.974.011616.538.612.551.174.0	(MHz)Level (dBµV)(dB)Level (dBµV/m)(dBµV/m)(dB)7816.934.08.442.468.2-25.88756.934.59.043.568.2-24.79198.334.610.144.774.0-29.311591.038.712.651.374.0-22.77863.935.08.443.468.2-24.88715.934.29.043.268.2-25.09158.634.19.843.974.0-30.111616.538.612.551.174.0-22.9	(MHz)Level (dBµV)(dB)Level (dBµV)(dBµV/m)(dB)7816.934.08.442.468.2-25.8Peak8756.934.59.043.568.2-24.7Peak9198.334.610.144.774.0-29.3Peak11591.038.712.651.374.0-22.7Peak8715.934.29.043.268.2-24.8Peak9158.634.19.843.974.0-30.1Peak11616.538.612.551.174.0-22.9Peak

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT80 - Ant 1	Test Site:	AC1					
Test Channel:	42	Test Engineer:	Milo Li					
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	. 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)				
*	7836.1	34.9	8.4	43.3	68.2	-24.9	Peak	Horizontal
*	8795.3	33.4	8.9	42.3	68.2	-25.9	Peak	Horizontal
	9185.3	34.2	10.0	44.2	74.0	-29.8	Peak	Horizontal
	11825.9	34.3	11.9	46.2	74.0	-27.8	Peak	Horizontal
*	7862.9	34.9	8.4	43.3	68.2	-24.9	Peak	Vertical
*	8769.3	34.2	8.9	43.1	68.2	-25.1	Peak	Vertical
	9185.3	34.2	10.0	44.2	74.0	-29.8	Peak	Vertical
	11863.3	33.8	11.8	45.6	74.0	-28.4	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT80 - Ant 1	Test Site:	AC1					
Test Channel:	155	Test Engineer:	Milo Li					
Remark:	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.							

	(MHz)	Level						
			(aB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7869.3	34.7	8.4	43.1	68.2	-25.1	Peak	Horizontal
*	8725.6	35.3	9.0	44.3	68.2	-23.9	Peak	Horizontal
	9128.6	34.7	9.7	44.4	74.0	-29.6	Peak	Horizontal
	11565.5	38.0	12.7	50.7	74.0	-23.3	Peak	Horizontal
*	7815.4	34.3	8.4	42.7	68.2	-25.5	Peak	Vertical
*	8725.9	34.8	9.0	43.8	68.2	-24.4	Peak	Vertical
	9156.9	33.8	9.8	43.6	74.0	-30.4	Peak	Vertical
	11565.5	38.5	12.7	51.2	74.0	-22.8	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11a - Ant 2	Test Site:	AC1				
Test Channel:	36	Test Engineer:	Milo Li				
Remark:	Average measurement was not performed if peak level lower than average						
	limit.						
	2. Other frequency was 20dB bel	ow limit line within 1	-18GHz, there is not show				
	in the report.						

	(NALL_)		4	, moadaro ,	LIIIII	wargin	Detector	Polarization
	(IVIHZ)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	8776.3	36.8	8.9	45.7	68.2	-22.5	Peak	Horizontal
*	10358.5	39.8	12.2	52.0	68.2	-16.2	Peak	Horizontal
	10869.8	34.0	12.8	46.8	74.0	-27.2	Peak	Horizontal
	11863.6	35.1	11.8	46.9	74.0	-27.1	Peak	Horizontal
*	7896.4	36.4	8.4	44.8	68.2	-23.4	Peak	Vertical
*	10358.5	39.3	12.2	51.5	68.2	-16.7	Peak	Vertical
	11452.3	36.5	12.7	49.2	74.0	-24.8	Peak	Vertical
	11836.1	34.0	11.9	45.9	74.0	-28.1	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11a - Ant 2	Test Site:	AC1					
Test Channel:	44	Test Engineer:	Milo Li					
Remark:	. 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)				
*	8736.9	35.5	9.0	44.5	68.2	-23.7	Peak	Horizontal
*	10443.5	38.1	12.0	50.1	68.2	-18.1	Peak	Horizontal
	10986.4	33.9	13.0	46.9	74.0	-27.1	Peak	Horizontal
	11963.8	34.5	11.9	46.4	74.0	-27.6	Peak	Horizontal
*	8736.4	35.7	8.9	44.6	68.2	-23.6	Peak	Vertical
*	10443.5	39.1	12.0	51.1	68.2	-17.1	Peak	Vertical
	10896.3	33.8	13.0	46.8	74.0	-27.2	Peak	Vertical
	11256.3	34.7	12.4	47.1	74.0	-26.9	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11a - Ant 2	Test Site:	AC1					
Test Channel:	48	Test Engineer:	Milo Li					
Remark:	. 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)				
*	8756.9	35.6	9.0	44.6	68.2	-23.6	Peak	Horizontal
*	10477.5	38.0	12.2	50.2	68.2	-18.0	Peak	Horizontal
	10789.3	34.3	12.6	46.9	74.0	-27.1	Peak	Horizontal
	11856.9	33.9	11.9	45.8	74.0	-28.2	Peak	Horizontal
*	8736.4	35.1	8.9	44.0	68.2	-24.2	Peak	Vertical
*	10477.5	40.7	12.2	52.9	68.2	-15.3	Peak	Vertical
	10786.3	34.2	12.6	46.8	74.0	-27.2	Peak	Vertical
	11469.8	35.2	12.7	47.9	74.0	-26.1	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11a - Ant 2	Test Site:	AC1					
Test Channel:	149	Test Engineer:	Milo Li					
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)				
*	7826.4	35.2	8.4	43.6	68.2	-24.6	Peak	Horizontal
*	8756.9	35.7	9.0	44.7	68.2	-23.5	Peak	Horizontal
	9163.5	34.5	9.8	44.3	74.0	-29.7	Peak	Horizontal
	11489.0	38.0	12.8	50.8	74.0	-23.2	Peak	Horizontal
*	7869.1	35.4	8.4	43.8	68.2	-24.4	Peak	Vertical
*	8756.1	35.6	9.0	44.6	68.2	-23.6	Peak	Vertical
	9148.3	34.3	9.8	44.1	74.0	-29.9	Peak	Vertical
	11489.0	37.5	12.8	50.3	74.0	-23.7	Peak	Vertical
*	8756.1 9148.3 11489.0	35.6 34.3 37.5	9.0 9.8 12.8	44.6 44.1 50.3	68.2 74.0 74.0	-23.6 -29.9 -23.7	Peak Peak Peak	Ver Ver Ver

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11a - Ant 2	Test Site:	AC1					
Test Channel:	157	Test Engineer:	Milo Li					
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)					
*	7895.8	36.1	8.4	44.5	68.2	-23.7	Peak	Horizontal	
*	8715.9	35.5	9.0	44.5	68.2	-23.7	Peak	Horizontal	
	9156.8	34.2	9.8	44.0	74.0	-30.0	Peak	Horizontal	
	11569.4	41.5	12.7	54.2	74.0	-19.8	Peak	Horizontal	
	11569.4	26.3	12.7	39.0	54.0	-15.0	Average	Horizontal	
*	7863.5	35.4	8.4	43.8	68.2	-24.4	Peak	Vertical	
*	8769.2	35.8	9.0	44.8	68.2	-23.4	Peak	Vertical	
	9126.8	35.2	9.7	44.9	74.0	-29.1	Peak	Vertical	
	11569.6	42.0	12.7	54.7	74.0	-19.3	Peak	Vertical	
	11569.6	28.2	12.7	40.9	54.0	-13.1	Average	Vertical	
Note 1	Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,								
the fiel	the field strength limit in $dB\mu V/m$ can be determined by adding a "conversion" factor of 95.2dB to the								
EIRP li	mit of -27dBn	n/MHz to obta	ain the limi	t for out of ba	and spurious er	nissions.			

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11a - Ant 2	Test Site:	AC1					
Test Channel:	165	Test Engineer:	Milo Li					
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)				
*	7863.9	35.9	8.4	44.3	68.2	-23.9	Peak	Horizontal
*	8725.1	35.4	9.0	44.4	68.2	-23.8	Peak	Horizontal
	9158.6	33.8	9.8	43.6	74.0	-30.4	Peak	Horizontal
	11650.5	41.0	12.3	53.3	74.0	-20.7	Peak	Horizontal
*	7825.4	35.2	8.4	43.6	68.2	-24.6	Peak	Vertical
*	8732.1	35.2	9.0	44.2	68.2	-24.0	Peak	Vertical
	9158.6	33.7	9.8	43.5	74.0	-30.5	Peak	Vertical
	11649.5	43.2	12.3	55.5	74.0	-18.5	Peak	Vertical
	11649.5	29.9	12.3	42.2	54.0	-11.8	Average	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 2	Test Site:	AC1					
Test Channel:	36	Test Engineer:	Milo Li					
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)				
*	8725.6	35.9	9.0	44.9	68.2	-23.3	Peak	Horizontal
*	10358.5	37.9	12.2	50.1	68.2	-18.1	Peak	Horizontal
	10963.4	34.3	13.1	47.4	74.0	-26.6	Peak	Horizontal
	11574.0	35.3	12.6	47.9	74.0	-26.1	Peak	Horizontal
*	8765.3	36.0	9.0	45.0	68.2	-23.2	Peak	Vertical
*	10358.5	38.2	12.2	50.4	68.2	-17.8	Peak	Vertical
	10896.3	33.9	13.0	46.9	74.0	-27.1	Peak	Vertical
	11574.0	34.9	12.6	47.5	74.0	-26.5	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 2	Test Site:	AC1					
Test Channel:	44	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	8762.3	34.8	9.0	43.8	68.2	-24.4	Peak	Horizontal
*	10443.5	37.9	12.0	49.9	68.2	-18.3	Peak	Horizontal
	10786.3	33.9	12.6	46.5	74.0	-27.5	Peak	Horizontal
	11452.8	34.5	12.7	47.2	74.0	-26.8	Peak	Horizontal
*	8752.6	36.2	9.0	45.2	68.2	-23.0	Peak	Vertical
*	10443.5	38.4	12.0	50.4	68.2	-17.8	Peak	Vertical
	10965.3	33.6	13.1	46.7	74.0	-27.3	Peak	Vertical
	11485.2	35.1	12.7	47.8	74.0	-26.2	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 2	Test Site:	AC1					
Test Channel:	48	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	8752.3	35.0	9.0	44.0	68.2	-24.2	Peak	Horizontal
*	10477.5	37.7	12.2	49.9	68.2	-18.3	Peak	Horizontal
	10963.3	33.5	13.1	46.6	74.0	-27.4	Peak	Horizontal
	11658.9	36.4	12.3	48.7	74.0	-25.3	Peak	Horizontal
*	8715.6	35.4	9.0	44.4	68.2	-23.8	Peak	Vertical
*	10477.5	39.0	12.2	51.2	68.2	-17.0	Peak	Vertical
	10786.9	33.7	12.6	46.3	74.0	-27.7	Peak	Vertical
	11639.1	34.7	12.4	47.1	74.0	-26.9	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 2	Test Site:	AC1					
Test Channel:	149	Test Engineer:	Milo Li					
Remark:	I. 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)				
*	7836.1	35.8	8.4	44.2	68.2	-24.0	Peak	Horizontal
*	8768.7	36.1	9.0	45.1	68.2	-23.1	Peak	Horizontal
	9125.4	34.9	9.7	44.6	74.0	-29.4	Peak	Horizontal
	11489.0	38.2	12.8	51.0	74.0	-23.0	Peak	Horizontal
*	7893.6	35.8	8.4	44.2	68.2	-24.0	Peak	Vertical
*	8725.3	35.7	9.0	44.7	68.2	-23.5	Peak	Vertical
	9136.1	34.8	9.7	44.5	74.0	-29.5	Peak	Vertical
	11480.5	36.9	12.7	49.6	74.0	-24.4	Peak	Vertical
	11480.5	36.9	12.7	49.6	74.0	-24.4	Peak	Vertica

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 2	Test Site:	AC1					
Test Channel:	157	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	7825.4	35.3	8.4	43.7	68.2	-24.5	Peak	Horizontal
*	8769.5	35.4	8.9	44.3	68.2	-23.9	Peak	Horizontal
	9169.3	34.1	9.9	44.0	74.0	-30.0	Peak	Horizontal
	11569.4	41.5	12.7	54.2	74.0	-19.8	Peak	Horizontal
	11569.4	26.2	12.7	38.9	54.0	-15.1	Average	Horizontal
*	7826.6	35.4	8.4	43.8	68.2	-24.4	Peak	Vertical
*	8726.9	35.4	9.0	44.4	68.2	-23.8	Peak	Vertical
	9138.6	34.0	9.7	43.7	74.0	-30.3	Peak	Vertical
	11557.0	39.6	12.7	52.3	74.0	-21.7	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 2	Test Site:	AC1					
Test Channel:	165	Test Engineer:	Milo Li					
Remark:	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 (MHz)	Reading Level	Factor (dB)	Measure Level	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
		(dBµV)		(dBµV/m)				
*	7863.9	35.8	8.4	44.2	68.2	-24.0	Peak	Horizontal
*	8725.6	35.4	9.0	44.4	68.2	-23.8	Peak	Horizontal
	9168.2	33.8	9.9	43.7	74.0	-30.3	Peak	Horizontal
	11649.1	42.5	12.3	54.8	74.0	-19.2	Peak	Horizontal
	11649.1	27.2	12.3	39.5	54.0	-14.5	Average	Horizontal
	7863.9	36.2	8.4	44.6	68.2	-23.6	Peak	Horizontal
*	8725.4	35.8	9.0	44.8	68.2	-23.4	Peak	Vertical
*	9169.3	33.6	9.9	43.5	74.0	-30.5	Peak	Vertical
	11650.5	42.1	12.3	54.4	74.0	-19.6	Peak	Vertical
	11650.5	29.9	12.3	42.2	54.0	-11.8	Average	Vertical
Note 1	: "*" is not in r	estricted ban	d, its limit i	is -27dBm/Mł	Hz or -17dBm/I	MHz. At a	distance	of 3 meters,
the fiel	d strength lim	it in dBµV/m	can be det	termined by a	adding a "conve	ersion" fac	ctor of 95.	2dB to the

EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT40 - Ant 2	Test Site:	AC1					
Test Channel:	38	Test Engineer:	Milo Li					
Remark:	. 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)				
*	7823.6	35.6	8.4	44.0	68.2	-24.2	Peak	Horizontal
*	8714.3	35.8	9.0	44.8	68.2	-23.4	Peak	Horizontal
	9156.8	35.0	9.8	44.8	74.0	-29.2	Peak	Horizontal
	11489.1	35.6	12.8	48.4	74.0	-25.6	Peak	Horizontal
*	7836.5	35.5	8.4	43.9	68.2	-24.3	Peak	Vertical
*	8796.5	36.6	8.9	45.5	68.2	-22.7	Peak	Vertical
	9132.2	33.9	9.7	43.6	74.0	-30.4	Peak	Vertical
	11196.3	34.0	12.5	46.5	74.0	-27.5	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT40 - Ant 2	Test Site:	AC1					
Test Channel:	46	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	8759.6	35.5	9.0	44.5	68.2	-23.7	Peak	Horizontal
*	10460.5	36.8	12.1	48.9	68.2	-19.3	Peak	Horizontal
	10963.4	34.3	13.1	47.4	74.0	-26.6	Peak	Horizontal
	11653.3	34.6	12.3	46.9	74.0	-27.1	Peak	Horizontal
*	8727.0	35.0	9.0	44.0	68.2	-24.2	Peak	Vertical
*	10452.0	37.2	12.0	49.2	68.2	-19.0	Peak	Vertical
	10986.4	33.7	13.0	46.7	74.0	-27.3	Peak	Vertical
	11569.3	34.2	12.7	46.9	74.0	-27.1	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT40 - Ant 2	Test Site:	AC1					
Test Channel:	151	Test Engineer:	Milo Li					
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)				
*	7825.4	35.2	8.4	43.6	68.2	-24.6	Peak	Horizontal
*	8726.4	36.3	9.0	45.3	68.2	-22.9	Peak	Horizontal
	9136.9	34.1	9.7	43.8	74.0	-30.2	Peak	Horizontal
	11456.3	34.3	12.7	47.0	74.0	-27.0	Peak	Horizontal
*	7863.4	35.4	8.4	43.8	68.2	-24.4	Peak	Vertical
*	8762.2	35.5	9.0	44.5	68.2	-23.7	Peak	Vertical
	9125.6	35.1	9.7	44.8	74.0	-29.2	Peak	Vertical
	11526.3	34.4	12.8	47.2	74.0	-26.8	Peak	Vertical
	11526.3	34.4	12.8	47.2	74.0	-26.8	Реак	vertic

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT40 - Ant 2	Test Site:	AC1						
Test Channel:	159	Test Engineer:	Milo Li						
Remark:	1. 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)				
*	7863.2	35.6	8.4	44.0	68.2	-24.2	Peak	Horizontal
*	8752.1	36.5	9.0	45.5	68.2	-22.7	Peak	Horizontal
	9165.8	34.5	9.8	44.3	74.0	-29.7	Peak	Horizontal
	11565.5	38.9	12.7	51.6	74.0	-22.4	Peak	Horizontal
*	7863.5	36.0	8.4	44.4	68.2	-23.8	Peak	Vertical
*	8712.4	34.6	9.0	43.6	68.2	-24.6	Peak	Vertical
	9125.6	34.5	9.7	44.2	74.0	-29.8	Peak	Vertical
	11574.0	38.4	12.6	51.0	74.0	-23.0	Peak	Vertical
*	11565.5 7863.5 8712.4 9125.6 11574.0	38.9     36.0     34.6     34.5     38.4	12.7   8.4   9.0   9.7   12.6	51.6 44.4 43.6 44.2 51.0	74.0 68.2 68.2 74.0 74.0	-22.4 -23.8 -24.6 -29.8 -23.0	Peak Peak Peak Peak Peak	-

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 2	Test Site:	AC1					
Test Channel:	36	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	8796.4	36.0	8.9	44.9	68.2	-23.3	Peak	Horizontal
*	10358.5	36.7	12.2	48.9	68.2	-19.3	Peak	Horizontal
	10756.3	34.2	12.5	46.7	74.0	-27.3	Peak	Horizontal
	11863.5	33.3	11.8	45.1	74.0	-28.9	Peak	Horizontal
*	8712.3	34.9	9.0	43.9	68.2	-24.3	Peak	Vertical
*	10367.0	36.7	12.2	48.9	68.2	-19.3	Peak	Vertical
	10693.1	34.3	12.4	46.7	74.0	-27.3	Peak	Vertical
	11156.8	34.3	12.6	46.9	74.0	-27.1	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 2	Test Site:	AC1					
Test Channel:	44	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	7863.9	35.9	8.4	44.3	68.2	-23.9	Peak	Horizontal
*	8745.1	35.6	9.0	44.6	68.2	-23.6	Peak	Horizontal
	9125.6	33.5	9.7	43.2	74.0	-30.8	Peak	Horizontal
	10863.8	34.1	12.8	46.9	74.0	-27.1	Peak	Horizontal
*	8752.3	34.9	9.0	43.9	68.2	-24.3	Peak	Vertical
*	10443.5	37.9	12.0	49.9	68.2	-18.3	Peak	Vertical
	10865.1	32.6	12.8	45.4	74.0	-28.6	Peak	Vertical
	11632.9	34.7	12.4	47.1	74.0	-26.9	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 2	Test Site:	AC1					
Test Channel:	48	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	8795.4	36.5	8.9	45.4	68.2	-22.8	Peak	Horizontal
*	10477.5	37.0	12.2	49.2	68.2	-19.0	Peak	Horizontal
	10867.4	33.5	12.8	46.3	74.0	-27.7	Peak	Horizontal
	11563.2	35.5	12.7	48.2	74.0	-25.8	Peak	Horizontal
*	8756.9	35.4	9.0	44.4	68.2	-23.8	Peak	Vertical
*	10477.5	38.1	12.2	50.3	68.2	-17.9	Peak	Vertical
	10896.3	33.3	13.0	46.3	74.0	-27.7	Peak	Vertical
	11852.4	33.7	11.9	45.6	74.0	-28.4	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 2	Test Site:	AC1					
Test Channel:	149	Test Engineer:	Milo Li					
Remark:	1. 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.							

eak Horizontal
eak Horizontal
eak Horizontal
eak Horizontal
eak Vertical
eak Vertical
eak Vertical
eak Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 2	Test Site:	AC1					
Test Channel:	157	Test Engineer:	Milo Li					
Remark:	1. Average measurement was no	1. 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)				
*	7896.1	35.1	8.4	43.5	68.2	-24.7	Peak	Horizontal
*	8723.6	34.6	9.0	43.6	68.2	-24.6	Peak	Horizontal
	9163.5	33.5	9.8	43.3	74.0	-30.7	Peak	Horizontal
	11569.1	43.1	12.7	55.8	74.0	-18.2	Peak	Horizontal
	11569.1	28.0	12.7	40.7	54.0	-13.3	Average	Horizontal
*	7863.4	35.0	8.4	43.4	68.2	-24.8	Peak	Vertical
*	8752.0	36.0	9.0	45.0	68.2	-23.2	Peak	Vertical
	9136.4	34.5	9.7	44.2	74.0	-29.8	Peak	Vertical
	11574.0	40.5	12.6	53.1	74.0	-20.9	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 2	Test Site:	AC1					
Test Channel:	165	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	7863.5	35.1	8.4	43.5	68.2	-24.7	Peak	Horizontal
*	8745.2	35.0	9.0	44.0	68.2	-24.2	Peak	Horizontal
	9156.8	33.3	9.8	43.1	74.0	-30.9	Peak	Horizontal
	11633.5	40.4	12.4	52.8	74.0	-21.2	Peak	Horizontal
*	7863.4	35.4	8.4	43.8	68.2	-24.4	Peak	Vertical
*	8752.4	35.0	9.0	44.0	68.2	-24.2	Peak	Vertical
	9123.5	34.8	9.6	44.4	74.0	-29.6	Peak	Vertical
	11659.0	41.1	12.3	53.4	74.0	-20.6	Peak	Vertical
	((d)) · · · ·							

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT40 - Ant 2	Test Site:	AC1					
Test Channel:	38	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	7835.6	35.4	8.4	43.8	68.2	-24.4	Peak	Horizontal
*	8726.4	36.3	9.0	45.3	68.2	-22.9	Peak	Horizontal
	9168.1	33.7	9.9	43.6	74.0	-30.4	Peak	Horizontal
	11453.8	34.4	12.7	47.1	74.0	-26.9	Peak	Horizontal
*	7825.4	35.3	8.4	43.7	68.2	-24.5	Peak	Vertical
*	8721.4	34.8	9.0	43.8	68.2	-24.4	Peak	Vertical
	9135.4	34.3	9.7	44.0	74.0	-30.0	Peak	Vertical
	10963.4	34.6	13.1	47.7	74.0	-26.3	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT40 - Ant 2	Test Site:	AC1					
Test Channel:	46	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	8756.4	35.3	9.0	44.3	68.2	-23.9	Peak	Horizontal
*	10460.5	37.4	12.1	49.5	68.2	-18.7	Peak	Horizontal
	10968.0	34.4	13.1	47.5	74.0	-26.5	Peak	Horizontal
	11456.9	35.2	12.7	47.9	74.0	-26.1	Peak	Horizontal
*	8725.4	35.3	9.0	44.3	68.2	-23.9	Peak	Vertical
*	10460.5	36.5	12.1	48.6	68.2	-19.6	Peak	Vertical
	10863.5	33.9	12.8	46.7	74.0	-27.3	Peak	Vertical
	11456.8	34.8	12.7	47.5	74.0	-26.5	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT40 - Ant 2	Test Site:	AC1					
Test Channel:	151	Test Engineer:	Milo Li					
Remark:	1. Average measurement was no	1. 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)				
*	7863.1	36.5	8.4	44.9	68.2	-23.3	Peak	Horizontal
*	8752.4	34.9	9.0	43.9	68.2	-24.3	Peak	Horizontal
	9166.4	33.7	9.8	43.5	74.0	-30.5	Peak	Horizontal
	11635.2	35.4	12.4	47.8	74.0	-26.2	Peak	Horizontal
*	7862.3	35.0	8.4	43.4	68.2	-24.8	Peak	Vertical
*	8762.1	35.0	9.0	44.0	68.2	-24.2	Peak	Vertical
	9136.4	34.1	9.7	43.8	74.0	-30.2	Peak	Vertical
	11163.4	34.5	12.6	47.1	74.0	-26.9	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT40 - Ant 2	Test Site:	AC1					
Test Channel:	159	Test Engineer:	Milo Li					
Remark:	1. Average measurement was no	t performed if peak I	evel 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.							

		Factor	Measure	Limit	Margin	Detector	Polarization
(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
	(dBµV)		(dBµV/m)				
7862.6	35.1	8.4	43.5	68.2	-24.7	Peak	Horizontal
8732.9	35.7	8.9	44.6	68.2	-23.6	Peak	Horizontal
9154.6	33.8	9.8	43.6	74.0	-30.4	Peak	Horizontal
11582.5	38.6	12.6	51.2	74.0	-22.8	Peak	Horizontal
7863.4	35.1	8.4	43.5	68.2	-24.7	Peak	Vertical
8762.3	35.3	9.0	44.3	68.2	-23.9	Peak	Vertical
9162.1	33.6	9.8	43.4	74.0	-30.6	Peak	Vertical
11591.0	38.8	12.6	51.4	74.0	-22.6	Peak	Vertical
	(MHZ) 7862.6 8732.9 9154.6 11582.5 7863.4 8762.3 9162.1 11591.0	(MHZ) Level (dBµV)   7862.6 35.1   8732.9 35.7   9154.6 33.8   11582.5 38.6   7863.4 35.1   8762.3 35.3   9162.1 33.8   11591.0 38.8	(MHz)     Level     (dB)       (dBµV)     (dB)       7862.6     35.1     8.4       8732.9     35.7     8.9       9154.6     33.8     9.8       11582.5     38.6     12.6       7863.4     35.1     8.4       8762.3     35.3     9.0       9162.1     33.6     9.8       11591.0     38.8     12.6	(MHz)Level(dB)Level(dBµV)(dBµV/m)7862.635.18.443.58732.935.78.944.69154.633.89.843.611582.538.612.651.27863.435.18.443.58762.335.39.044.39162.133.69.843.411591.038.812.651.4	(MHz)Level (dBµV)(dB)Level (dBµV/m)(dBµV/m)7862.635.18.443.568.28732.935.78.944.668.29154.633.89.843.674.011582.538.612.651.274.07863.435.18.443.568.28762.335.39.044.368.29162.133.69.843.474.011591.038.812.651.474.0	(MHz)Level(dB)Level(dBµV/m)(dB)7862.635.18.443.568.2-24.78732.935.78.944.668.2-23.69154.633.89.843.674.0-30.411582.538.612.651.274.0-22.87863.435.18.443.568.2-24.78762.335.39.044.368.2-23.99162.133.69.843.474.0-30.611591.038.812.651.474.0-22.6	(MHz)Level (dBµV)(dB) (dBµV)Level (dBµV/m)(dBµV/m)(dB)7862.635.18.443.568.2-24.7Peak8732.935.78.944.668.2-23.6Peak9154.633.89.843.674.0-30.4Peak11582.538.612.651.274.0-22.8Peak7863.435.18.443.568.2-24.7Peak8762.335.39.044.368.2-24.7Peak9162.133.69.843.474.0-30.6Peak11591.038.812.651.474.0-22.6Peak

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT80 - Ant 2	Test Site:	AC1				
Test Channel:	42	Test Engineer:	Milo Li				
Remark:	1. Average measurement was no	t performed if peak I	evel 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)				
*	7863.4	35.2	8.4	43.6	68.2	-24.6	Peak	Horizontal
*	8723.7	36.3	9.0	45.3	68.2	-22.9	Peak	Horizontal
	9165.4	33.9	9.8	43.7	74.0	-30.3	Peak	Horizontal
	11421.0	36.7	12.6	49.3	74.0	-24.7	Peak	Horizontal
*	7865.4	35.5	8.4	43.9	68.2	-24.3	Peak	Vertical
*	8763.1	35.5	9.0	44.5	68.2	-23.7	Peak	Vertical
	9164.8	34.0	9.8	43.8	74.0	-30.2	Peak	Vertical
	11163.1	34.8	12.6	47.4	74.0	-26.6	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT80 - Ant 2	Test Site:	AC1					
Test Channel:	155	Test Engineer:	Milo Li					
Remark:	1. Average measurement was no	t performed if peak I	evel 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.							

Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
	(dBµV)		(dBµV/m)				
7978.5	37.6	8.7	46.3	68.2	-21.9	Peak	Horizontal
8650.0	36.8	8.8	45.6	68.2	-22.6	Peak	Horizontal
9338.5	34.8	10.4	45.2	74.0	-28.8	Peak	Horizontal
11633.5	36.3	12.4	48.7	74.0	-25.3	Peak	Horizontal
7987.0	35.9	8.7	44.6	68.2	-23.6	Peak	Vertical
8709.5	36.2	9.0	45.2	68.2	-23.0	Peak	Vertical
9483.0	35.6	10.6	46.2	74.0	-27.8	Peak	Vertical
11659.0	36.5	12.3	48.8	74.0	-25.2	Peak	Vertical
	Frequency (MHz) 7978.5 8650.0 9338.5 11633.5 7987.0 8709.5 9483.0 11659.0	Frequency     Reading       (MHz)     Level       (dBμV)       7978.5     37.6       8650.0     36.8       9338.5     34.8       11633.5     36.3       7987.0     35.9       8709.5     36.2       9483.0     35.6       11659.0     36.5	Frequency     Reading     Factor       (MHz)     Level     (dB)       (dBμV)     (dBμV)     (dB)       7978.5     37.6     8.7       8650.0     36.8     8.8       9338.5     34.8     10.4       11633.5     36.3     12.4       7987.0     35.9     8.7       8709.5     36.2     9.0       9483.0     35.6     10.6       11659.0     36.5     12.3	Frequency     Reading     Factor     Measure       (MHz)     Level     (dB)     Level       (dBμV)     (dBμV/m)     (dBμV/m)       7978.5     37.6     8.7     46.3       8650.0     36.8     8.8     45.6       9338.5     34.8     10.4     45.2       11633.5     36.3     12.4     48.7       7987.0     35.9     8.7     44.6       8709.5     36.2     9.0     45.2       9483.0     35.6     10.6     46.2       11659.0     36.5     12.3     48.8	Frequency     Reading     Factor     Measure     Limit       (MHz)     Level     (dB)     Level     (dBµV/m)       (dBµV)     (dBµV/m)     (dBµV/m)     (dBµV/m)       7978.5     37.6     8.7     46.3     68.2       8650.0     36.8     8.8     45.6     68.2       9338.5     34.8     10.4     45.2     74.0       11633.5     36.3     12.4     48.7     74.0       7987.0     35.9     8.7     44.6     68.2       8709.5     36.2     9.0     45.2     68.2       9483.0     35.6     10.6     46.2     74.0       11659.0     36.5     12.3     48.8     74.0	FrequencyReadingFactorMeasureLimitMargin(MHz)Level(dB)Level(dBµV/m)(dB)(dBµV)(dBµV/m)(dBµV/m)(dB)7978.537.68.746.368.2-21.98650.036.88.845.668.2-22.69338.534.810.445.274.0-28.811633.536.312.448.774.0-25.37987.035.98.744.668.2-23.68709.536.29.045.268.2-23.09483.035.610.646.274.0-27.811659.036.512.348.874.0-25.2	Frequency     Reading     Factor     Measure     Limit     Margin     Detector       (MHz)     Level     (dB)     Level     (dBµV/m)     (dB)     (dB)       7978.5     37.6     8.7     46.3     68.2     -21.9     Peak       8650.0     36.8     8.8     45.6     68.2     -22.6     Peak       9338.5     34.8     10.4     45.2     74.0     -28.8     Peak       11633.5     36.3     12.4     48.7     74.0     -25.3     Peak       7987.0     35.9     8.7     44.6     68.2     -23.6     Peak       9483.0     35.6     10.6     46.2     74.0     -25.3     Peak       9483.0     35.6     10.6     46.2     74.0     -27.8     Peak       11659.0     36.5     12.3     48.8     74.0     -27.8     Peak

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)

Test Mode:	802.11a - Ant 1 + 2	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Remark:	1. Average measurement was no	t performed if peak l	evel lower than average
	limit.		
	2. Other frequency was 20dB bel	ow 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)				
*	8709.5	36.1	9.0	45.1	68.2	-23.1	Peak	Horizontal
*	10358.5	40.1	12.2	52.3	68.2	-15.9	Peak	Horizontal
	11013.0	36.2	13.0	49.2	74.0	-24.8	Peak	Horizontal
	11635.3	35.7	12.4	48.1	74.0	-25.9	Peak	Horizontal
*	8607.5	36.9	8.8	45.7	68.2	-22.5	Peak	Vertical
*	10350.0	37.0	12.2	49.2	68.2	-19.0	Peak	Vertical
	11514.5	36.5	12.8	49.3	74.0	-24.7	Peak	Vertical
	11853.2	34.2	11.9	46.1	74.0	-27.9	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)

Test Mode:	802.11a - Ant 1 + 2	Test Site:	AC1					
Test Channel:	44	Test Engineer:	Milo Li					
Remark:	1. Average measurement was no	t performed if peak I	evel 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)				
*	8616.0	37.5	8.8	46.3	68.2	-21.9	Peak	Horizontal
*	10443.5	39.2	12.0	51.2	68.2	-17.0	Peak	Horizontal
	10893.5	33.9	13.0	46.9	74.0	-27.1	Peak	Horizontal
	11557.0	35.7	12.7	48.4	74.0	-25.6	Peak	Horizontal
*	8709.5	36.6	9.0	45.6	68.2	-22.6	Peak	Vertical
*	10443.5	38.8	12.0	50.8	68.2	-17.4	Peak	Vertical
	10896.5	34.1	13.0	47.1	74.0	-26.9	Peak	Vertical
	11633.5	36.0	12.4	48.4	74.0	-25.6	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)

Test Mode:	802.11a - Ant 1 + 2	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Remark:	1. Average measurement was no	t performed if peak I	evel lower than average
	limit.		
	2. Other frequency was 20dB bel	ow 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)				
*	8837.0	36.4	9.1	45.5	68.2	-22.7	Peak	Horizontal
*	10486.0	38.6	12.3	50.9	68.2	-17.3	Peak	Horizontal
	10853.6	34.6	12.8	47.4	74.0	-26.6	Peak	Horizontal
	11642.0	36.3	12.4	48.7	74.0	-25.3	Peak	Horizontal
*	8650.0	37.0	8.8	45.8	68.2	-22.4	Peak	Vertical
*	10486.0	40.6	12.3	52.9	68.2	-15.3	Peak	Vertical
	10986.3	34.3	13.0	47.3	74.0	-26.7	Peak	Vertical
	11659.0	35.7	12.3	48.0	74.0	-26.0	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)


Test Mode:	802.11a - Ant 1 + 2	Test Site:	AC1						
Test Channel:	149	Test Engineer:	Milo Li						
Remark:	. 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)					
*	7856.4	35.3	8.4	43.7	68.2	-24.5	Peak	Horizontal	
*	8756.4	35.1	9.0	44.1	68.2	-24.1	Peak	Horizontal	
	9152.3	34.0	9.8	43.8	74.0	-30.2	Peak	Horizontal	
	11488.5	44.7	12.8	57.5	74.0	-16.5	Peak	Horizontal	
	11488.5	32.2	12.8	45.0	54.0	-9.0	Average	Horizontal	
*	7863.4	35.3	8.4	43.7	68.2	-24.5	Peak	Vertical	
*	8763.5	35.2	9.0	44.2	68.2	-24.0	Peak	Vertical	
	9152.4	34.3	9.8	44.1	74.0	-29.9	Peak	Vertical	
	11488.6	44.8	12.8	57.6	74.0	-16.4	Peak	Vertical	
	11488.6	33.5	12.8	46.3	54.0	-7.7	Average	Vertical	
Note 1:	Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,								
the field	the field strength limit in $dB\mu V/m$ can be determined by adding a "conversion" factor of 95.2dB to the								
EIRP li	mit of -27dBr	n/MHz to obta	ain the limi <sup>.</sup>	t for out of be	and spurious er	nissions.			



Test Mode:	802.11a - Ant 1 + 2	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Remark:	<ol> <li>Average measurement was no limit.</li> </ol>	t performed if peak l	evel lower than average
	<ol> <li>Other frequency was 20dB bel in the report.</li> </ol>	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)					
*	7824.1	36.1	8.4	44.5	68.2	-23.7	Peak	Horizontal	
*	8725.6	35.5	9.0	44.5	68.2	-23.7	Peak	Horizontal	
	9165.8	34.3	9.8	44.1	74.0	-29.9	Peak	Horizontal	
	11568.3	45.9	12.7	58.6	74.0	-15.4	Peak	Horizontal	
	11568.3	33.9	12.7	46.6	54.0	-7.4	Average	Horizontal	
*	7869.4	35.3	8.4	43.7	68.2	-24.5	Peak	Vertical	
*	8796.5	36.1	8.9	45.0	68.2	-23.2	Peak	Vertical	
	9168.4	33.7	9.9	43.6	74.0	-30.4	Peak	Vertical	
	11568.4	45.8	12.7	58.5	74.0	-15.5	Peak	Vertical	
	11568.4	33.5	12.7	46.2	54.0	-7.8	Average	Vertical	
Note 1:	Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,								
the field	the field strength limit in $dB\mu V/m$ can be determined by adding a "conversion" factor of 95.2dB to the								
EIRP li	mit of -27dBr	n/MHz to obta	ain the limi	t for out of be	and spurious er	nissions.			



Test Mode:	802.11a - Ant 1 + 2	Test Site:	AC1						
Test Channel:	165	Test Engineer:	Milo Li						
Remark:	. 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 (MHz)	Reading Level	Factor (dB)	Measure Level	Limit (dBµV/m)	Margin (dB)	Detector	Polarization	
		(dBµV)		(dBµV/m)					
*	7863.5	35.3	8.4	43.7	68.2	-24.5	Peak	Horizontal	
*	8769.4	35.4	8.9	44.3	68.2	-23.9	Peak	Horizontal	
	9123.4	34.8	9.6	44.4	74.0	-29.6	Peak	Horizontal	
	11648.1	45.1	12.3	57.4	74.0	-16.6	Peak	Horizontal	
	11648.1	32.8	12.3	45.1	54.0	-8.9	Average	Horizontal	
*	7869.4	35.5	8.4	43.9	68.2	-24.3	Peak	Vertical	
*	8725.9	34.7	9.0	43.7	68.2	-24.5	Peak	Vertical	
	9158.4	34.3	9.8	44.1	74.0	-29.9	Peak	Vertical	
	11648.1	46.2	12.3	58.5	74.0	-15.5	Peak	Vertical	
	11648.1	32.2	12.3	44.5	54.0	-9.5	Average	Vertical	
Note 1	Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,								
the fiel	the field strength limit in $dB\mu V/m$ can be determined by adding a "conversion" factor of 95.2dB to the								
EIRP li	mit of -27dBr	n/MHz to obta	ain the limi	t for out of ba	and spurious er	nissions.			



Test Mode:	802.11n-HT20 - Ant 1 + 2	Test Site:	AC1						
Test Channel:	36	Test Engineer:	Milo Li						
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)				
*	7852.4	35.4	8.4	43.8	68.2	-24.4	Peak	Horizontal
*	8769.4	35.9	8.9	44.8	68.2	-23.4	Peak	Horizontal
	9165.8	34.7	9.8	44.5	74.0	-29.5	Peak	Horizontal
	11200.0	34.3	12.5	46.8	74.0	-27.2	Peak	Horizontal
*	8796.5	35.6	8.9	44.5	68.2	-23.7	Peak	Vertical
*	10358.5	37.0	12.2	49.2	68.2	-19.0	Peak	Vertical
	11185.3	34.1	12.6	46.7	74.0	-27.3	Peak	Vertical
	11496.3	34.6	12.8	47.4	74.0	-26.6	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 1 + 2	Test Site:	AC1						
Test Channel:	44	Test Engineer:	Milo Li						
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)				
*	8763.5	35.3	9.0	44.3	68.2	-23.9	Peak	Horizontal
*	10443.5	38.3	12.0	50.3	68.2	-17.9	Peak	Horizontal
	10867.3	34.2	12.8	47.0	74.0	-27.0	Peak	Horizontal
	11698.6	34.7	12.0	46.7	74.0	-27.3	Peak	Horizontal
*	8769.4	35.5	8.9	44.4	68.2	-23.8	Peak	Vertical
*	10443.5	39.6	12.0	51.6	68.2	-16.6	Peak	Vertical
	10695.2	34.7	12.4	47.1	74.0	-26.9	Peak	Vertical
	11183.6	34.5	12.6	47.1	74.0	-26.9	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 1 + 2	Test Site:	AC1						
Test Channel:	48	Test Engineer:	Milo Li						
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)				
*	8765.4	36.4	9.0	45.4	68.2	-22.8	Peak	Horizontal
*	10477.5	39.0	12.2	51.2	68.2	-17.0	Peak	Horizontal
	11069.4	34.3	12.9	47.2	74.0	-26.8	Peak	Horizontal
	11863.4	35.6	11.8	47.4	74.0	-26.6	Peak	Horizontal
*	8769.5	36.6	8.9	45.5	68.2	-22.7	Peak	Vertical
*	10486.0	40.4	12.3	52.7	68.2	-15.5	Peak	Vertical
	11200.0	34.2	12.5	46.7	74.0	-27.3	Peak	Vertical
	11987.4	35.1	11.9	47.0	74.0	-27.0	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 1 + 2	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Remark:	1. Average measurement was no	t performed if peak l	evel lower than average
	limit.		
	2. Other frequency was 20dB bel	ow 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)				
*	7863.4	35.5	8.4	43.9	68.2	-24.3	Peak	Horizontal
*	8752.6	35.3	9.0	44.3	68.2	-23.9	Peak	Horizontal
	9163.8	34.3	9.8	44.1	74.0	-29.9	Peak	Horizontal
	11489.0	41.1	12.8	53.9	74.0	-20.1	Peak	Horizontal
*	7863.4	35.3	8.4	43.7	68.2	-24.5	Peak	Vertical
*	8752.3	35.2	9.0	44.2	68.2	-24.0	Peak	Vertical
	9158.2	34.3	9.8	44.1	74.0	-29.9	Peak	Vertical
	11489.2	42.5	12.8	55.3	74.0	-18.7	Peak	Vertical
	11489.2	29.2	12.8	42.0	54.0	-12.0	Average	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT20 - Ant 1 + 2	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Remark:	1. Average measurement was no	t performed if peak l	evel lower than average
	limit.		
	2. Other frequency was 20dB bel	ow 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)	、 · · /	, ,		
*	7863.4	36.1	8.4	44.5	68.2	-23.7	Peak	Horizontal
*	8723.4	35.0	9.0	44.0	68.2	-24.2	Peak	Horizontal
	9162.3	33.8	9.8	43.6	74.0	-30.4	Peak	Horizontal
	11569.1	44.7	12.7	57.4	74.0	-16.6	Peak	Horizontal
	11569.1	30.9	12.7	43.6	54.0	-10.4	Average	Horizontal
*	7852.4	34.8	8.4	43.2	68.2	-25.0	Peak	Vertical
*	8793.6	35.4	8.9	44.3	68.2	-23.9	Peak	Vertical
	9123.6	34.6	9.6	44.2	74.0	-29.8	Peak	Vertical
	11568.7	44.5	12.7	57.2	74.0	-16.8	Peak	Vertical
	11568.7	31.3	12.7	44.0	54.0	-10.0	Average	Vertical
Note 1	: "*" is not in r	estricted ban	d, its limit i	is -27dBm/MI	Hz or -17dBm/I	MHz. At a	distance	of 3 meters,
the fiel	d strength lim	nit in dBµV/m	can be det	termined by a	adding a "conve	ersion" fac	ctor of 95.	2dB to the
EIRP li	mit of -27dBr	n/MHz to obta	ain the limi	t for out of ba	and spurious er	nissions.		



Test Mode:	802.11n-HT20 - Ant 1 + 2	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Remark:	1. Average measurement was no	t performed if peak I	evel lower than average
	limit.		
	2. Other frequency was 20dB bel	ow 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)				
*	7863.4	35.4	8.4	43.8	68.2	-24.4	Peak	Horizontal
*	8523.9	35.6	8.4	44.0	68.2	-24.2	Peak	Horizontal
	9136.4	34.2	9.7	43.9	74.0	-30.1	Peak	Horizontal
	11649.3	43.5	12.3	55.8	74.0	-18.2	Peak	Horizontal
	11649.3	30.4	12.3	42.7	54.0	-11.3	Average	Horizontal
*	7852.3	35.8	8.4	44.2	68.2	-24.0	Peak	Vertical
*	8769.4	35.4	8.9	44.3	68.2	-23.9	Peak	Vertical
	9126.4	34.6	9.7	44.3	74.0	-29.7	Peak	Vertical
	11649.4	42.0	12.3	54.3	74.0	-19.7	Peak	Vertical
	11649.4	29.1	12.3	41.4	54.0	-12.6	Average	Vertical
Note 1	: "*" is not in r	estricted ban	d, its limit i	is -27dBm/Ml	Hz or -17dBm/I	MHz. At a	distance	of 3 meters,
the fiel	d strength lim	it in dBµV/m	can be det	termined by a	adding a "conve	ersion" fac	ctor of 95.	2dB to the
EIRP li	mit of -27dBn	n/MHz to obta	ain the limi	t for out of ba	and spurious er	nissions.		



Test Mode:	802.11n-HT40 - Ant 1 + 2	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Remark:	1. Average measurement was no	t performed if peak I	evel lower than average
	limit.		
	2. Other frequency was 20dB bel	ow 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)				
*	7863.5	36.0	8.4	44.4	68.2	-23.8	Peak	Horizontal
*	8726.9	36.1	9.0	45.1	68.2	-23.1	Peak	Horizontal
	9136.5	34.9	9.7	44.6	74.0	-29.4	Peak	Horizontal
	11163.5	34.6	12.6	47.2	74.0	-26.8	Peak	Horizontal
*	7862.1	35.1	8.4	43.5	68.2	-24.7	Peak	Vertical
*	8762.3	35.2	9.0	44.2	68.2	-24.0	Peak	Vertical
	9136.5	35.2	9.7	44.9	74.0	-29.1	Peak	Vertical
	11532.2	34.2	12.7	46.9	74.0	-27.1	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT40 - Ant 1 + 2	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Remark:	1. Average measurement was no	t performed if peak I	evel lower than average
	limit.		
	2. Other frequency was 20dB bel	ow 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)				
*	8736.1	35.6	8.9	44.5	68.2	-23.7	Peak	Horizontal
*	10452.0	38.1	12.0	50.1	68.2	-18.1	Peak	Horizontal
	10823.6	34.2	12.7	46.9	74.0	-27.1	Peak	Horizontal
	11569.2	34.6	12.7	47.3	74.0	-26.7	Peak	Horizontal
*	8769.4	36.1	8.9	45.0	68.2	-23.2	Peak	Vertical
*	10460.5	37.8	12.1	49.9	68.2	-18.3	Peak	Vertical
	10896.3	33.5	13.0	46.5	74.0	-27.5	Peak	Vertical
	11690.3	34.6	12.1	46.7	74.0	-27.3	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT40 - Ant 1 + 2	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Remark:	1. Average measurement was no	t performed if peak l	evel lower than average
	limit.		
	2. Other frequency was 20dB bel	ow limit line within 1	-18GHz, there is not show
	in the report.		

or Polarization	Detector	Margin	Limit	Measure	Factor	Reading	Frequency	Mark
		(dB)	(dBµV/m)	Level	(dB)	Level	(MHz)	
				(dBµV/m)		(dBµV)		
Horizontal	Peak	-24.7	68.2	43.5	8.4	35.1	7863.6	*
Horizontal	Peak	-23.7	68.2	44.5	9.0	35.5	8723.4	*
Horizontal	Peak	-29.9	74.0	44.1	10.0	34.1	9185.4	
Horizontal	Peak	-24.2	74.0	49.8	12.8	37.0	11506.0	
Vertical	Peak	-24.4	68.2	43.8	8.4	35.4	7862.4	*
Vertical	Peak	-23.9	68.2	44.3	9.0	35.3	8763.9	*
Vertical	Peak	-30.4	74.0	43.6	9.8	33.8	9156.4	
Vertical	Peak	-24.2	74.0	49.8	12.8	37.0	11506.0	
	Peak Peak Peak Peak Peak	-24.2 -24.4 -23.9 -30.4 -24.2	74.0 68.2 68.2 74.0 74.0	49.8 43.8 44.3 43.6 49.8	12.8 8.4 9.0 9.8 12.8	37.0 35.4 35.3 33.8 37.0	11506.0 7862.4 8763.9 9156.4 11506.0	*

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11n-HT40 - Ant 1 + 2	Test Site:	AC1					
Test Channel:	159	Test Engineer:	Milo Li					
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
	(IVI⊓∠)	(dBµV)	(ив)	(dBµV/m)	(ασμν/π)	(ив)		
*	7863.5	35.5	8.4	43.9	68.2	-24.3	Peak	Horizontal
*	8751.4	35.4	9.0	44.4	68.2	-23.8	Peak	Horizontal
	9156.8	34.0	9.8	43.8	74.0	-30.2	Peak	Horizontal
	11588.9	42.2	12.6	54.8	74.0	-19.2	Peak	Horizontal
	11588.9	27.0	12.6	39.6	54.0	-14.4	Average	Horizontal
*	7863.4	35.3	8.4	43.7	68.2	-24.5	Peak	Vertical
*	8792.5	36.0	8.9	44.9	68.2	-23.3	Peak	Vertical
	9185.4	34.7	10.0	44.7	74.0	-29.3	Peak	Vertical
	11588.9	42.9	12.6	55.5	74.0	-18.5	Peak	Vertical
	11588.9	27.6	12.6	40.2	54.0	-13.8	Average	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,								
the fiel	the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the							
EIRP li	mit of -27dBr	n/MHz to obta	ain the limi	t for out of ba	and spurious er	nissions.		



Test Mode:	802.11ac-VHT20 - Ant 1 + 2	Test Site:	AC1					
Test Channel:	36	Test Engineer:	Milo Li					
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)				
*	7896.4	35.2	8.4	43.6	68.2	-24.6	Peak	Horizontal
*	8756.1	35.3	9.0	44.3	68.2	-23.9	Peak	Horizontal
	9156.8	33.7	9.8	43.5	74.0	-30.5	Peak	Horizontal
	11238.6	34.9	12.4	47.3	74.0	-26.7	Peak	Horizontal
*	8763.5	35.4	9.0	44.4	68.2	-23.8	Peak	Vertical
*	10367.0	36.9	12.2	49.1	68.2	-19.1	Peak	Vertical
	11045.0	34.2	12.9	47.1	74.0	-26.9	Peak	Vertical
	11564.3	34.6	12.7	47.3	74.0	-26.7	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 1 + 2	Test Site:	AC1					
Test Channel:	44	Test Engineer:	Milo Li					
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)				
*	8763.4	35.8	9.0	44.8	68.2	-23.4	Peak	Horizontal
*	10443.5	38.2	12.0	50.2	68.2	-18.0	Peak	Horizontal
	11036.5	33.7	12.9	46.6	74.0	-27.4	Peak	Horizontal
	11863.2	34.0	11.8	45.8	74.0	-28.2	Peak	Horizontal
*	8745.3	35.5	9.0	44.5	68.2	-23.7	Peak	Vertical
*	10452.0	39.7	12.0	51.7	68.2	-16.5	Peak	Vertical
	10956.3	33.6	13.1	46.7	74.0	-27.3	Peak	Vertical
	11865.4	33.7	11.8	45.5	74.0	-28.5	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 1 + 2	Test Site:	AC1					
Test Channel:	48	Test Engineer:	Milo Li					
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)				
*	8796.4	35.4	8.9	44.3	68.2	-23.9	Peak	Horizontal
*	10469.0	38.5	12.1	50.6	68.2	-17.6	Peak	Horizontal
	10763.1	33.9	12.5	46.4	74.0	-27.6	Peak	Horizontal
	11869.3	33.8	11.8	45.6	74.0	-28.4	Peak	Horizontal
*	8745.2	35.1	9.0	44.1	68.2	-24.1	Peak	Vertical
*	10477.5	39.5	12.2	51.7	68.2	-16.5	Peak	Vertical
	10689.0	34.5	12.4	46.9	74.0	-27.1	Peak	Vertical
	11763.5	34.8	11.9	46.7	74.0	-27.3	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 1 + 2	Test Site:	AC1					
Test Channel:	149	Test Engineer:	Milo Li					
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)				
*	7863.5	35.6	8.4	44.0	68.2	-24.2	Peak	Horizontal
*	8762.0	34.8	9.0	43.8	68.2	-24.4	Peak	Horizontal
	9136.4	34.1	9.7	43.8	74.0	-30.2	Peak	Horizontal
	11489.0	40.1	12.8	52.9	74.0	-21.1	Peak	Horizontal
*	7863.4	35.6	8.4	44.0	68.2	-24.2	Peak	Vertical
*	8763.5	36.3	9.0	45.3	68.2	-22.9	Peak	Vertical
	9136.4	33.9	9.7	43.6	74.0	-30.4	Peak	Vertical
	11489.0	41.1	12.8	53.9	74.0	-20.1	Peak	Vertical
	11489.0	41.1	12.8	53.9	74.0	-20.1	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT20 - Ant 1 + 2	Test Site:	AC1					
Test Channel:	157	Test Engineer:	Milo Li					
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)					
*	7863.5	35.1	8.4	43.5	68.2	-24.7	Peak	Horizontal	
*	8735.1	35.3	8.9	44.2	68.2	-24.0	Peak	Horizontal	
	9136.5	34.0	9.7	43.7	74.0	-30.3	Peak	Horizontal	
	11568.8	44.7	12.7	57.4	74.0	-16.6	Peak	Horizontal	
	11568.8	31.5	12.7	44.2	54.0	-9.8	Average	Horizontal	
*	7836.1	34.8	8.4	43.2	68.2	-25.0	Peak	Vertical	
*	8736.9	35.1	9.0	44.1	68.2	-24.1	Peak	Vertical	
	9165.1	34.3	9.8	44.1	74.0	-29.9	Peak	Vertical	
	11573.3	43.9	12.6	56.5	74.0	-17.5	Peak	Vertical	
	11573.3	31.3	12.6	43.9	54.0	-10.1	Average	Vertical	
Note 1:	Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,								
the field	d strength lim	it in dBµV/m	can be det	termined by a	adding a "conve	ersion" fac	ctor of 95.	2dB to the	
EIRP li	mit of -27dBn	n/MHz to obta	ain the limi <sup>.</sup>	t for out of ba	and spurious er	nissions.			



Test Mode:	802.11ac-VHT20 - Ant 1 + 2	Test Site:	AC1					
Test Channel:	165	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	7863.5	35.2	8.4	43.6	68.2	-24.6	Peak	Horizontal
*	8712.6	34.8	9.0	43.8	68.2	-24.4	Peak	Horizontal
	9154.6	33.7	9.8	43.5	74.0	-30.5	Peak	Horizontal
	11650.0	42.1	12.3	54.4	74.0	-19.6	Peak	Horizontal
	11650.0	29.6	12.3	41.9	54.0	-12.1	Average	Horizontal
*	7832.6	35.3	8.4	43.7	68.2	-24.5	Peak	Vertical
*	8724.3	34.7	9.0	43.7	68.2	-24.5	Peak	Vertical
	9168.5	33.9	9.9	43.8	74.0	-30.2	Peak	Vertical
	11650.5	41.5	12.3	53.8	74.0	-20.2	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT40 - Ant 1 + 2	Test Site:	AC1					
Test Channel:	38	Test Engineer:	Milo Li					
Remark:	. 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)				
*	7863.5	35.2	8.4	43.6	68.2	-24.6	Peak	Horizontal
*	8796.4	35.1	8.9	44.0	68.2	-24.2	Peak	Horizontal
	9136.5	34.0	9.7	43.7	74.0	-30.3	Peak	Horizontal
	11425.3	35.0	12.6	47.6	74.0	-26.4	Peak	Horizontal
*	8796.5	34.9	8.9	43.8	68.2	-24.4	Peak	Vertical
*	10375.5	36.0	12.2	48.2	68.2	-20.0	Peak	Vertical
	10835.5	33.6	12.7	46.3	74.0	-27.7	Peak	Vertical
	11763.5	34.4	11.9	46.3	74.0	-27.7	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT40 - Ant 1 + 2	Test Site:	AC1					
Test Channel:	46	Test Engineer:	Milo Li					
Remark:	1. 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)				
*	7863.5	35.2	8.4	43.6	68.2	-24.6	Peak	Horizontal
*	8763.5	34.8	9.0	43.8	68.2	-24.4	Peak	Horizontal
	9163.5	33.9	9.8	43.7	74.0	-30.3	Peak	Horizontal
	11086.3	33.7	12.8	46.5	74.0	-27.5	Peak	Horizontal
*	8763.5	34.6	9.0	43.6	68.2	-24.6	Peak	Vertical
*	10460.5	36.9	12.1	49.0	68.2	-19.2	Peak	Vertical
	10763.5	34.1	12.5	46.6	74.0	-27.4	Peak	Vertical
	11863.7	33.6	11.8	45.4	74.0	-28.6	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT40 - Ant 1 + 2	Test Site:	AC1					
Test Channel:	151	Test Engineer:	Milo Li					
Remark:	I. 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)				
*	7865.4	35.1	8.4	43.5	68.2	-24.7	Peak	Horizontal
*	8634.5	34.8	8.8	43.6	68.2	-24.6	Peak	Horizontal
	9136.4	34.9	9.7	44.6	74.0	-29.4	Peak	Horizontal
	11497.5	36.7	12.8	49.5	74.0	-24.5	Peak	Horizontal
*	7836.4	34.5	8.4	42.9	68.2	-25.3	Peak	Vertical
*	8763.4	35.2	9.0	44.2	68.2	-24.0	Peak	Vertical
	9158.6	33.5	9.8	43.3	74.0	-30.7	Peak	Vertical
	11506.0	36.7	12.8	49.5	74.0	-24.5	Peak	Vertical
*	7836.4 8763.4 9158.6 11506.0	34.5 35.2 33.5 36.7	8.4       9.0       9.8       12.8	42.9 44.2 43.3 49.5	68.2 68.2 74.0 74.0	-25.3 -24.0 -30.7 -24.5	Peak Peak Peak Peak	

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT40 - Ant 1 + 2	Test Site:	AC1					
Test Channel:	159	Test Engineer:	Milo Li					
Remark:	1. 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)					
*	7856.4	34.9	8.4	43.3	68.2	-24.9	Peak	Horizontal	
*	8752.4	35.2	9.0	44.2	68.2	-24.0	Peak	Horizontal	
	9136.8	33.8	9.7	43.5	74.0	-30.5	Peak	Horizontal	
	11590.5	43.1	12.6	55.7	74.0	-18.3	Peak	Horizontal	
	11590.5	30.2	12.6	42.8	54.0	-11.2	Average	Horizontal	
*	7836.4	35.7	8.4	44.1	68.2	-24.1	Peak	Vertical	
*	8725.5	35.0	9.0	44.0	68.2	-24.2	Peak	Vertical	
	9125.6	34.2	9.7	43.9	74.0	-30.1	Peak	Vertical	
	11590.5	41.9	12.6	54.5	74.0	-19.5	Peak	Vertical	
	11590.5	29.6	12.6	42.2	54.0	-11.8	Average	Vertical	
Note 1	Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters,								
the fiel	d strength lim	it in dBµV/m	can be det	termined by a	adding a "conve	ersion" fac	ctor of 95.	2dB to the	
EIRP li	mit of -27dBn	n/MHz to obta	ain the limi <sup>.</sup>	t for out of ba	and spurious er	nissions.			



Test Mode:	802.11ac-VHT80 - Ant 1 + 2	Test Site:	AC1					
Test Channel:	42	Test Engineer:	Milo Li					
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)				
*	7863.5	34.6	8.4	43.0	68.2	-25.2	Peak	Horizontal
*	8723.9	34.4	9.0	43.4	68.2	-24.8	Peak	Horizontal
	9168.9	33.5	9.9	43.4	74.0	-30.6	Peak	Horizontal
	11069.3	33.7	12.9	46.6	74.0	-27.4	Peak	Horizontal
*	7863.5	35.0	8.4	43.4	68.2	-24.8	Peak	Vertical
*	8726.3	35.3	9.0	44.3	68.2	-23.9	Peak	Vertical
	9156.2	34.5	9.8	44.3	74.0	-29.7	Peak	Vertical
	11485.3	35.2	12.7	47.9	74.0	-26.1	Peak	Vertical

Note 2: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)



Test Mode:	802.11ac-VHT80 - Ant 1 + 2	Test Site:	AC1						
Test Channel:	155	Test Engineer:	Milo Li						
Remark:	1. Average measurement was not performed if peak level lower than average								
	limit.								
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show								
	in the report.								

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
*	7836.4	35.0	8.4	43.4	68.2	-24.8	Peak	Horizontal
*	8796.4	35.2	8.9	44.1	68.2	-24.1	Peak	Horizontal
	9156.4	33.7	9.8	43.5	74.0	-30.5	Peak	Horizontal
	11456.9	34.9	12.7	47.6	74.0	-26.4	Peak	Horizontal
*	7245.2	35.8	7.9	43.7	68.2	-24.5	Peak	Vertical
*	8699.1	36.2	9.0	45.2	68.2	-23.0	Peak	Vertical
	10756.3	33.3	12.5	45.8	74.0	-28.2	Peak	Vertical
	11532.0	33.8	12.7	46.5	74.0	-27.5	Peak	Vertical
	11532.0	33.8	12.7	46.5	74.0	-27.5	Peak	Vertic

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



### The worst case of Radiated Emission below 1GHz:

Site: AC 1	Time: 2015/06/11 - 10:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz

Worst Mode: Transmit by 802.11n-HT40 at channel 5230MHz Ant 1 + 2



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			60.070	31.051	17.208	-8.949	40.000	13.843	QP
2		*	151.735	34.988	25.483	-8.512	43.500	9.505	QP
3			164.345	30.974	21.000	-12.526	43.500	9.974	QP
4			246.795	25.951	12.398	-20.049	46.000	13.553	QP
5			376.775	27.502	11.323	-18.498	46.000	16.179	QP
6			488.325	30.480	12.442	-15.520	46.000	18.038	QP

Note: Measure Level ( $dB\mu V/m$ ) = Reading Level ( $dB\mu V$ ) + Factor (dB)

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



Site	Site: AC 1					Time: 2015/06/11 - 11:18				
Limit: FCC_Part15.209_RE(3m)					E	Engineer: Milo Li				
Prob	be: VUI	_B9162	_0.03-8GHz		F	olarity: Vertic	al			
EUT	: Wirel	ess Acc	ess Point		F	ower: AC 12	0V/60Hz			
Wor	st Moo	<b>de</b> : Trar	nsmit by 802.7	I1n-HT40 at o	channel 5230	MHz Ant 1 +	2			
	90									
	80									
	70		-							
	60									
(E	50								f	
dBuV/	40		. Marsh			-				
evel(c	20 4	with Upperly	proprint + they	A ARU		4	5	6	1 1	
	50 V			a manual weeks	M. Man	NHAMA I	*		- Marine Marine	
	20				MAN. A.	"When	ومساليه والمحالين والمساليه والم			
	10									
	0									
	-10									
2	30			100	Frequer	ncy(MHz)			1000	
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре	
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)		
				(dBuV/m)	(dBuV)					
1			55.421	34.197	19.600	-5.803	40.000	14.596	QP	
2		*	60.514	35.246	21.475	-4.754	40.000	13.770	QP	
3			99.847	28.404	15.475	-15.096	43.500	12.929	QP	

-16.828

-17.431

43.500

46.000

46.000

12.304

16.151

20.261

QP

QP

QP

 6
 624.986
 31.535
 11.274
 -14.465

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

26.672

28.569

14.368

12.417

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

204.247

374.957

4

5



Site: AC1	Time: 2015/07/07 - 19:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: Wireless Access Point	Power: AC 120V/60Hz

#### Note: There is the ambient noise within frequency range 9kHz~30MHz.



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			0.029	56.610	35.660	-61.732	118.342	21.049	QP
2		*	0.061	51.899	31.588	-59.988	111.887	20.311	QP

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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



Site: AC1	Time: 2015/07/07 - 19:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: Wireless Access Point	Power: AC 120V/60Hz

Note: There is the ambient noise within frequency range 9kHz~30MHz.



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			0.482	36.584	16.183	-57.359	93.943	20.401	QP
2		*	1.338	31.001	10.512	-34.098	65.099	20.489	QP

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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



Site: AC1	Time: 2015/07/07 - 21:25
Limit: FCC_Part15.209_RE(1m)	Engineer: Milo Li
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz

#### Note: There is the ambient noise within frequency range 18GHz~40GHz.



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			24864.000	51.836	37.061	-31.664	83.500	14.775	PK
2			24864.088	39.225	24.450	-24.275	63.500	14.775	AV
3			26260.988	39.469	24.050	-24.031	63.500	15.419	AV
4			26261.000	51.956	36.537	-31.544	83.500	15.419	PK
5			33180.000	61.461	39.940	-22.039	83.500	21.521	PK
6			33180.361	49.061	27.540	-14.439	63.500	21.521	AV
7		*	38437.980	58.523	31.190	-4.977	63.500	27.333	AV
8			38438.000	72.021	44.688	-11.479	83.500	27.333	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)



Site: AC1	Time: 2015/07/07 - 21:28
Limit: FCC_Part15.209_RE(1m)	Engineer: Milo Li
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz

#### Note: There is the ambient noise within frequency range 18GHz~40GHz.



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			24886.000	52.313	37.528	-31.187	83.500	14.785	PK
2			24886.970	39.234	24.449	-24.266	63.500	14.785	AV
3			26503.000	53.227	37.207	-30.273	83.500	16.020	PK
4			26503.872	39.572	23.550	-23.928	63.500	16.022	AV
5			33213.000	62.110	40.572	-21.390	83.500	21.538	PK
6			33213.984	49.098	27.560	-14.402	63.500	21.538	AV
7			38900.000	72.096	44.211	-11.404	83.500	27.885	PK
8		*	38900.755	58.705	30.820	-4.795	63.500	27.885	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)





# 7.10. Radiated Restricted Band Edge Measurement

## 7.10.1. 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 co	mply with	the radiated	emission limit	s specified in	Section	15.209(a)
,	111401 4100 00	inpiy with			o opoomoa m	000000	10.200(0).

Frequency	Frequency	Frequency	Frequency
(MHz)	(MHz)	(MHz)	(GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 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	8.25 - 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	( <sup>2</sup> )
13.36 - 13.41			





## 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 (MHz)	Frequency (MHz)	Frequency (GHz)
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	334.5 - 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 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 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 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 5.25-5.35 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.

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Refer to KDB 789033 D02v01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

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

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



|--|



# 7.10.2. Test Result of Radiated Restricted Band Edge

Site: AC 1				Time: 2015/07/31 - 10:07					
Limit: FCC_Part15.209_RE(3m)					Engineer: Roy Cheng				
Prob	be: BBł	HA9120	D_1-18GHz			Polarity: Horizo	ontal		
EUT	: Wirel	ess Acc	ess Point			Power: AC 120	)V/60Hz		
Test	Mode:	Transm	nit by 802.11a	at channel 5	180MHz Ar	nt 1			
Level(dBuV/m)	120 80 70 60 40 30 20 5110	5115 5	1.genderson (1990-1990) 120 5125 5130	5135 5140	1 2 1 2 1 1 1 2 1 1 1 2 1 2 1 2 1 2 1 2	5155 5160 5165 iency(MHz)	5170 5175 5	5	D 5195 5200
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			5148.160	72.127	34.672	-1.873	74.000	37.455	PK
2			5150.000	68.932	31.480	-5.068	74.000	37.452	PK
3		*	5182.135	114.041	76.672	N/A	N/A	37.369	PK

Note: Measure Level  $(dB\mu V/m)$  = Reading Level  $(dB\mu V)$  + Factor (dB)

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


Site	AC 1				-	Time: 2015/07/31 - 10:07				
Limi	t: FCC	_Part15	.209_RE(3m)	)		Engineer: Roy	Cheng			
Prot	be: BBH	HA9120	D_1-18GHz			Polarity: Horizo	ontal			
EUT	: Wirel	ess Acc	ess Point			Power: AC 120V/60Hz				
Test	Mode:	Transm	nit by 802.11a	at channel 5	180MHz Ant	1				
Level(dBuV/m)	120 80 70 60 50 40 30 20 5110	5115 5	120 5125 5130	5135 5140	1 1 5145 5150 5 Freque	155 5160 5165 ncy(MHz)	5170 5175 5	2	0 5195 5200	
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре	
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)		
				(dBuV/m)	(dBuV)					
1			5150.000	53.735	16.283	-0.265	54.000	37.452	AV	
2		*	5185.690	100.416	63.056	N/A	N/A	37.359	AV	



Site	AC 1					Time: 2015/07/31 - 10:08				
Limi	t: FCC	_Part15	.209_RE(3m)			Engineer: Roy	Cheng			
Prot	e: BBI	HA9120	D_1-18GHz			Polarity: Vertic	al			
EUT	: Wirel	ess Acc	ess Point			Power: AC 120	)V/60Hz			
Test	Mode:	Transm	nit by 802.11a	at channel 5	180MHz Ai	nt 1				
Level(dBuV/m)	120 80 70 60 50 40 30 20 5110	5115 5	120 5125 5130	5135 5140	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5155 5160 5165	5170 5175 5	3	0 5195 5200	
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре	
	5		(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)		
				(dBuV/m)	(dBuV)			. ,		
1			5148.115	68.785	31.330	-5.215	74.000	37.455	РК	
2			5150.000	65.987	28.535	-8.013	74.000	37.452	РК	
3		*	5183.080	112.023	74.657	N/A	N/A	37.366	PK	



Site	AC 1					Time: 2015/07/31 - 10:09					
Limi	t: FCC	_Part15	.209_RE(3m)	)		Engineer: Roy Cheng					
Prob	e: BBł	HA9120	D_1-18GHz			Polarity: Vertic	al				
EUT	: Wirel	ess Acc	ess Point			Power: AC 120	0V/60Hz				
Test	Mode:	Transn	nit by 802.11a	at channel 5	180MHz Ant	: 1					
Level(dBuV/m)	120 80 70 60 50 40 30 20 5110	5115 5	120 5125 5130	) 5135 5140	1	155 5160 5165	5170 5175	2	0 5195 5200		
No	Flag	Mark	Frequency	Moasuro	Freque Roading	ncy(MHz)	Limit	Factor	Туре		
INU	ray	IVIAI K	(MHz)	Level (dBuV/m)	Level (dBuV)	(dB)	(dBuV/m)	(dB)	туре		
1			5150.000	51.828	14.376	-2.172	54.000	37.452	AV		
2		*	5183.080	98.120	60.754	N/A	N/A	37.366	AV		



Site	AC 1					Time: 2015/07/31 - 10:24				
Limi	t: FCC	_Part15	.209_RE(3m)			Engineer: Roy	Cheng			
Prob	be: BBH	HA9120	D_1-18GHz			Polarity: Horizontal				
EUT	: Wirel	ess Acc	ess Point			Power: AC 120V/60Hz				
Test	Mode:	Transm	nit by 802.11a	at channel 5	745MHz An	nt 1				
Level(dBuV/m)	120 80 70 60 50 40 30 20 5650	5660		5680 5690	1	2 2 5710 5720	5730	4	5760 5765	
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре	
		mant	(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)		
			()	(dBuV/m)	(dBuV)	()	(	()		
1			5699.680	65.684	27.793	-8.316	74.000	37.892	PK	
2			5715.000	64.667	26.718	-9.333	74.000	37.949	PK	
3			5725.000	69.729	31.739	-8.471	78.200	37.990	PK	
4		*	5741.540	113.076	75.019	N/A	N/A	38.057	PK	







Site	: AC 1					Time: 2015/07/31 - 10:27				
Limi	t: FCC	_Part15	.209_RE(3m)			Engineer: Roy	Cheng			
Prob	be: BBH	HA9120	D_1-18GHz			Polarity: Vertic	al			
EUT	: Wirel	ess Acc	ess Point			Power: AC 120	)V/60Hz			
Test	Mode:	Transm	nit by 802.11a	at channel 5	745MHz Ar	nt 1				
Level(dBuV/m)	120 80 70 60 50 40 30 20 5650	5660	×///.	Automotive and a second and a	1	2	5730	5	5760 5765	
					Frequ	ency(MHz)			1_	
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Туре	
1			5699.163	65.370	27.480	-8.630	74.000	37.890	РК	
2			5715.000	63.610	25.661	-10.390	74.000	37.949	РК	
3			5724.290	67.004	29.017	-11.196	78.200	37.987	РК	
4			5725.000	65.732	27.742	-12.468	78.200	37.990	PK	
5		*	5740.390	109.917	71.865	N/A	N/A	38.052	PK	



Site:	AC 1					Time: 2015/07/31 - 10:28				
Limi	t: FCC	_Part15	.209_RE(3m)			Engineer: Roy	Cheng			
Prob	e: BBH	HA9120	D_1-18GHz			Polarity: Vertic	cal			
EUT	: Wirel	ess Acc	ess Point			Power: AC 120V/60Hz				
Test	Mode:	Transm	nit by 802.11a	at channel 5	745MHz Ai	nt 1				
	120									
Level(dBuV/m)	80 70 60 50 40 30 20 5650	5660	5670	5680 5690	5700 Frequ	1 5710 5720 Jency(MHz)	5730	2	5760 5765	
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре	
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)		
				(dBuV/m)	(dBuV)					
1			5715.000	51.054	13.105	-2.946	54.000	37.949	AV	
2		*	5742.000	95.667	57.609	N/A	N/A	38.059	AV	



Site	: AC 1					Time: 2015/07/31 - 10:28				
Limi	t: FCC	_Part15	.209_RE(3m)			Engineer: Roy Cheng				
Prot	be: BBł	HA9120	D_1-18GHz			Polarity: Horizontal				
EUT	: Wirel	ess Acc	ess Point			Power: AC 120V/60Hz				
Test	Mode:	Transm	nit by 802.11a	at channel 5	825MHz An	t 1				
Level(dBuV/m)	120 80 70 60 50 40 30 20 5805	5810 58	15 5820 5825		40 5845 5850 Freque	3 4 5 9 4 5 9 5855 5860 58 9 ency(MHz)	65 5870 5875	5880 5885 58	90 5895 5900	
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Туре	
1		*	5828.417	112.714	74.344	N/A	N/A	38.369	РК	
2			5850.000	66.483	28.030	-11.717	78.200	38.454	PK	
3			5850.933	67.370	28.915	-10.830	78.200	38.455	РК	
4			5860.000	64.192	25.714	-9.808	74.000	38.478	PK	
5			5864.422	66.200	27.715	-7.800	74.000	38.485	PK	



Site	: AC 1				-	Time: 2015/07/31 - 10:30					
Limi	it: FCC	_Part15	.209_RE(3m)		1	Engineer: Roy Cheng					
Prol	be: BBH	HA9120	D_1-18GHz		1	Polarity: Horizontal					
EUT	: Wirel	ess Acc	ess Point		1	Power: AC 120V/60Hz					
Test	Mode:	Transm	nit by 802.11a	at channel 5	825MHz Ant	1					
Level(dBuV/m)	120 1 1 1 1 1 1 1 1 1 1 1 1 1										
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре		
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)			
				(dBuV/m)	(dBuV)						
1		*	5827.515	98.731	60.365	N/A	N/A	38.366	AV		
2			5860.000	51.628	13.150	-2.372	54.000	38.478	AV		



Site	: AC 1				-	Time: 2015/07/31 - 10:30				
Limi	it: FCC	_Part15	.209_RE(3m)			Engineer: Roy Cheng				
Prot	be: BBI	HA9120	D_1-18GHz		I	Polarity: Vertical				
EUT	: Wirel	ess Acc	ess Point			Power: AC 120V/60Hz				
Test	Mode	Transn	nit by 802.11a	at channel 5	825MHz Ant	t 1				
Level(dBuV/m)	120 80 70 60 50 40 30 20 5805	5810 58	1	5830 5835 58-	40 5845 5850 Freque	3 4 5 3 4 5 3 5 5855 5860 58 ncy(MHz)	55 5870 5875	5880 5885 589	<del></del>	
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Туре	
1		*	5821.482	108.665	70.324	N/A	N/A	38.341	РК	
2			5850.000	64.442	25.989	-13.758	78.200	38.454	РК	
3			5852.072	65.220	26.762	-12.980	78.200	38.458	PK	
4			5860.000	63.273	24.795	-10.727	74.000	38.478	PK	
5			5864.185	64.981	26.496	-9.019	74.000	38.485	PK	



Site	: AC 1					Time: 2015/07/31 - 10:32					
Limi	t: FCC	_Part15	.209_RE(3m)	)		Engineer: Roy Cheng					
Prob	be: BBł	HA9120	D_1-18GHz			Polarity: Vertical					
EUT	: Wirel	ess Acc	ess Point			Power: AC 120	)V/60Hz				
Test	Mode:	Transn	nit by 802.11a	at channel 5	825MHz Ar	nt 1					
Level(dBuV/m)	10 10 10 10 10 10 10 10 10 10										
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре		
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)			
				(dBuV/m)	(dBuV)						
1		*	5829.178	94.717	56.344	N/A	N/A	38.373	AV		
2			5860.000	51.085	12.607	-2.915	54.000	38.478	AV		







Site:	AC 1					Time: 2015/07/31 - 10:36				
Limi	t: FCC	_Part15	.209_RE(3m)			Engineer: Roy	Cheng			
Prob	e: BBI	HA9120	D_1-18GHz			Polarity: Horizo	ontal			
EUT	: Wirel	ess Acc	ess Point			Power: AC 120	)V/60Hz			
Test	Mode:	Transm	nit by 802.11n	-HT20 at cha	nnel 5180M	1Hz Ant 1				
Level(dBuV/m)	120 80 70 60 50 40 30 20 5110	5115 5	120 5125 5130	5135 5140	1 5145 5150 Freque	5155 5160 5165 eng/(MHz)	5170 5175 5	2	0 5195 5200	
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре	
	5		(MHz)	Level (dBuV/m)	Level (dBuV)	(dB)	(dBuV/m)	(dB)		
1			5150.000	53.185	15.733	-0.815	54.000	37.452	AV	
2		*	5185.690	100.673	63.313	N/A	N/A	37.359	AV	



Site	Site: AC 1					Time: 2015/07/31 - 10:37				
Limi	t: FCC	_Part15	.209_RE(3m)			Engineer: Roy Cheng				
Prob	e: BBH	HA9120	D_1-18GHz			Polarity: Vertic	al			
EUT	: Wirel	ess Acc	ess Point			Power: AC 120	)V/60Hz			
Test	Mode:	Transm	nit by 802.11n	-HT20 at cha	nnel 5180N	IHz Ant 1				
120 120 120 120 12 12 12 12 12 12 12 12 12 12									0 5195 5200	
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре	
	5		(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)		
				(dBuV/m)	(dBuV)					
1			5148.880	66.961	29.508	-7.039	74.000	37.454	PK	
2			5150.000	65.990	28.538	-8.010	74.000	37.452	PK	
3		*	5184.475	109.979	72.616	N/A	N/A	37.363	РК	



Site	AC 1					Time: 2015/07/31 - 10:38					
Limi	t: FCC	_Part15	.209_RE(3m)	)		Engineer: Roy Cheng					
Prob	be: BBI	HA9120	D_1-18GHz			Polarity: Vertic	al				
EUT	: Wirel	ess Acc	ess Point			Power: AC 120V/60Hz					
Test	Mode:	Transm	nit by 802.11n	-HT20 at cha	nnel 5180M	IHz Ant 1					
Level(dBuV/m)	120 80 70 60 50 40 30 20 5115 5120 5125 5130 5135 5140 5145 5150 5155 5160 5165 5170 5175 5180 5185 5190 5195 5200										
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре		
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)			
				(dBuV/m)	(dBuV)						
1			5150.000	51.330	13.878	-2.670	54.000	37.452	AV		
2		*	5186.095	96.247	58.888	N/A	N/A	37.359	AV		



Site	: AC 1					Time: 2015/07/31 - 10:56				
Limi	t: FCC	_Part15	.209_RE(3m)			Engineer: Roy	Cheng			
Prob	be: BBH	HA9120	D_1-18GHz			Polarity: Horizo	ontal			
EUT	: Wirel	ess Acc	ess Point			Power: AC 120	0V/60Hz			
Test	Mode:	Transm	nit by 802.11n	-HT20 at cha	nnel 5745N	/IHz Ant 1				
Level(dBuV/m)	120 80 70 60 50 40 30 20 5650	5660	1 LAN 44 500 710 0 4 40 5670	5680 5690	44449-4444 - 4444 - 44449-4444 - 44449-4444 - 44449-4444 - 44449-4444 - 44449-4444 - 44449-4444 - 44440-4444 - 44440-4440-	2 	5730	5	5760 5765	
No	Flag	Mark	Frequency (MHz)	Measure Level	Reading Level	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Туре	
1			5674.150	(dbd v/m) 66.121	28.306	-7.879	74.000	37.815	PK	
2			5715.000	64.592	26.643	-9.408	74.000	37.949	PK	
3			5724.750	70.433	32.444	-7.767	78.200	37.989	PK	
4			5725.000	69.621	31.631	-8.579	78.200	37.990	PK	
5		*	5746.312	111.830	73.752	N/A	N/A	38.078	PK	







Site	AC 1					Time: 2015/07/31 - 10:57				
Limi	t: FCC	_Part15	.209_RE(3m)			Engineer: Roy	Cheng			
Prot	be: BBH	HA9120	D_1-18GHz			Polarity: Vertic	al			
EUT	: Wirel	ess Acc	ess Point			Power: AC 120V/60Hz				
Test	Mode:	Transm	nit by 802.11n	-HT20 at cha	nnel 5745N	/IHz Ant 1				
Level(dBuV/m)	120 80 70 60 50 40 30 20 5650	5660	5670	5680 5690	5700 Frequ	1 2 1 2 5710 5720 iency(MHz)	5730	4	5760 5765	
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре	
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)		
				(dBuV/m)	(dBuV)					
1			5707.040	65.291	27.374	-8.709	74.000	37.917	PK	
2			5715.000	64.249	26.300	-9.751	74.000	37.949	РК	
3			5725.000	67.669	29.679	-10.531	78.200	37.990	PK	
4		*	5745.910	109.012	70.936	N/A	N/A	38.076	PK	







Site	: AC 1				1	Time: 2015/07/31 - 11:00				
Limi	t: FCC	Part15	.209_RE(3m)		E	Engineer: Roy	Cheng			
Prob	be: BBł	– HA9120			F	Polarity: Horizontal				
EUT	: Wirel	ess Acc	 ess Point		F	Power: AC 120	)V/60Hz			
Test	Mode:	Transm	nit by 802.11n	-HT20 at cha	nnel 5825MF	Hz Ant 1				
	120	Tranon		1		127 are 1				
120 1 1 1 1 1 1 1 1 1 1 1 1 1										
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре	
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)		
				(dBuV/m)	(dBuV)					
1		*	5828.893	112.191	73.819	N/A	N/A	38.372	PK	
2			5850.000	68.221	29.768	-9.979	78.200	38.454	PK	
3			5860.000	64.059	25.581	-9.941	74.000	38.478	PK	
4			5869.172	65.518	27.027	-8.482	74.000	38.490	PK	



Site	: AC 1					Time: 2015/07/31 - 11:03				
Limi	t: FCC	_Part15	.209_RE(3m)			Engineer: Roy Cheng				
Prob	be: BBH	HA9120	D_1-18GHz			Polarity: Horizontal				
EUT	: Wirel	ess Acc	ess Point			Power: AC 120V/60Hz				
Test	Mode:	Transm	nit by 802.11n	-HT20 at cha	nnel 5825M	Hz Ant 1				
Level(dBuV/m)	120 80 70 60 50 40 30 20 5805	5810 58	15 5820 5825	1	40 5845 5850 Freque	2 5855 5860 584 ncy(MHz)	55 5870 5875	5880 5885 58	90 5895 5900	
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре	
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)		
				(dBuV/m)	(dBuV)					
1		*	5829.462	98.488	60.114	N/A	N/A	38.374	AV	
2			5860.000	51.703	13.225	-2.297	54.000	38.478	AV	



Site	: AC 1				-	Time: 2015/07/31 - 11:03				
Limi	it: FCC	_Part15	5.209_RE(3m)		1	Engineer: Roy	Cheng			
Prob	be: BBI	HA9120	D_1-18GHz		1	Polarity: Vertic	al			
EUT	: Wirel	ess Acc	ess Point		1	Power: AC 120V/60Hz				
Test	Mode:	Transn	nit by 802.11n	-HT20 at cha	nnel 5825MI	Hz Ant 1				
Level(dBuV/m)	120 80 70 60 50 40 30 20 5805	5810 58	1	5830 5835 58	40 5845 5850 Freque	3 4 	65 5870 5875	5	90 5895 5900	
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Туре	
1		*	5822.575	107.834	69.488	N/A	N/A	38.346	РК	
2			5850.000	65.039	26.586	-13.161	78.200	38.454	РК	
3			5851.360	66.279	27.822	-11.921	78.200	38.456	РК	
4			5860.000	63.522	25.044	-10.478	74.000	38.478	PK	
5			5880.192	65.576	27.074	-8.424	74.000	38.502	PK	



Site	: AC 1				1	Time: 2015/07/31 - 11:04				
Limi	it: FCC	_Part15	.209_RE(3m)	)	E	Engineer: Roy Cheng				
Prob	be: BBH	HA9120	D_1-18GHz		F	Polarity: Vertical				
EUT	T: Wirel	ess Acc	ess Point		F	Power: AC 120V/60Hz				
Test	t Mode:	Transn	nit by 802.11n	-HT20 at cha	nnel 5825MH	Hz Ant 1				
Level(dBuV/m)										
No	No Flag Mark Frequency Measure Reading Over Limit Limit Factor Type									
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)		
				(dBuV/m)	(dBuV)					
1		*	5828.038	94.389	56.021	N/A	N/A	38.368	AV	
2			5860.000	51.069	12.591	-2.931	54.000	38.478	AV	



Site	Site: AC 1					Time: 2015/07/30 - 10:01				
Limi	t: FCC	_Part15	.209_RE(3m)	)		Engineer: Roy Cheng				
Prot	be: BB⊦	HA9120	D_1-18GHz			Polarity: Horizo	ontal			
EUT	: Wirel	ess Acc	ess Point			Power: AC 120	)V/60Hz			
Test	Test Mode: Transmit by 802.11n-HT40 at channel 5190N									
Level(dBuV/m)	120 80 70 60 50 40 30 20 5110	5115 512	20 5125 5130 5	5135 5140 5145	1 2 1 2 1 5150 5155 2	5160 5165 5170	5175 5180 5185	5190 5195 52	3	
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре	
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)		
				(dBuV/m)	(dBuV)					
1			5148.050	67.947	30.492	-6.053	74.000	37.455	PK	
2			5150.000	66.676	29.224	-7.324	74.000	37.452	PK	
3		*	5201.300	110.396	73.076	N/A	N/A	37.319	PK	



Site	AC 1					Time: 2015/07/30 - 10:01				
Limi	t: FCC	_Part15	.209_RE(3m)	)		Engineer: Roy Cheng				
Prot	be: BBH	HA9120	D_1-18GHz			Polarity: Horizontal				
EUT	: Wirel	ess Acc	ess Point			Power: AC 120V/60Hz				
Test	Mode:	Transm	nit by 802.11n	-HT40 at cha	1Hz Ant 1					
120 120 120 120 10 10 10 10 10 10 10 10 10 1										
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре	
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)		
				(dBuV/m)	(dBuV)					
1			5150.000	52.990	15.538	-1.010	54.000	37.452	AV	
2		*	5198.750	94.120	56.792	N/A	N/A	37.329	AV	



Site	ite: AC 1					Time: 2015/07/30 - 10:03			
Limi	t: FCC_	_Part15	.209_RE(3m)	)		Engineer: Roy Cheng			
Prot	e: BBH	HA9120	D_1-18GHz			Polarity: Vertica	al		
EUT	: Wirele	ess Acc	ess Point			Power: AC 120	)V/60Hz		
Test	Test Mode: Transmit by 802.11n-HT40 at channel 5190M								
Level(dBuV/m)	120 80 70 60 50 40 30 20 5110	4,4	20 5125 5130 5	5135 5140 5145	2 ************************************	160 5165 5170 S	5175 5180 5185	5190 5195 520	3
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			5149.600	65.493	28.041	-8.507	74.000	37.452	PK
2			5150.000	63.468	26.016	-10.532	74.000	37.452	PK
3		*	5203.100	105.066	67.752	N/A	N/A	37.314	PK



Site	AC 1					Time: 2015/07/30 - 10:05					
Limi	t: FCC	_Part15	.209_RE(3m)	)		Engineer: Roy Cheng					
Prot	be: BBH	HA9120	D_1-18GHz			Polarity: Vertical					
EUT	: Wirel	ess Acc	ess Point			Power: AC 120V/60Hz					
Test	Test Mode: Transmit by 802.11n-HT40 at channel 5190M										
Level(dBuV/m)	120 (W) APP 120 120 120 120 120 10 10 10 10 10 10 10 10 10 1										
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре		
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)			
				(dBuV/m)	(dBuV)						
1			5150.000	50.992	13.540	-3.008	54.000	37.452	AV		
2		*	5203.050	90.047	52.733	N/A	N/A	37.314	AV		



Site	: AC 1					Time: 2015/07/30 - 10:17				
Limi	t: FCC	_Part15	.209_RE(3m)	)		Engineer: Roy	Cheng			
Prob	be: BBH	HA9120	D_1-18GHz			Polarity: Horizo	ontal			
EUT	: Wirel	ess Acc	ess Point			Power: AC 120	)V/60Hz			
Test	Mode:	Transn	nit by 802.11n	-HT40 at cha	nnel 5755N	/IHz Ant 1				
120 120 120 120 120 120 100 100					en dat nya kilangi ngi panasi		5			
	5650		5675		5700 Frequ	5725 iency(MHz)	10	5750	5775	
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Туре	
1			5714.562	67.366	29.419	-6.634	74.000	37.947	PK	
2			5715.000	66.404	28.455	-7.596	74.000	37.949	PK	
3			5724.687	76.042	38.054	-2.158	78.200	37.989	PK	
4			5725.000	74.609	36.619	-3.591	78.200	37.990	PK	
5		*	5744.187	109.692	71.624	N/A	N/A	38.068	PK	



Site: AC 1						Time: 2015/07/30 - 10:20				
Limit: FCC_Part15.209_RE(3m)						Engineer: Roy Cheng				
Probe: BBHA9120D_1-18GHz						Polarity: Horizontal				
EUT: Wireless Access Point						Power: AC	120V	/60Hz		
Test	Mode:	Transm	nit by 802.11r	n-HT40 at cha	nnel 5755	MHz Ant 1				
120										
Level(dBuV/m)	80 70 60 50 40 30									2
	5650 5675 5700 Fred					5725 5750 5775 Juency(MHz)				
No	Flag	Mark	Frequency	Measure	Reading	Over Lin	nit L	_imit	Factor	Туре
			(MHz)	Level	Level	(dB)	(	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)					
1			5715.000	53.207	15.258	-0.793	5	54.000	37.949	AV
2		*	5762.312	93.770	55.623	N/A	١	N/A	38.146	AV



Site: AC 1						Time: 2015/07/30 - 10:21				
Limit: FCC_Part15.209_RE(3m)						Engineer: Roy Cheng				
Prob	be: BBH	HA9120	D_1-18GHz		Polarity: Vertical					
EUT	: Wirel	ess Acc	ess Point		Power: AC 120	)V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at channel 5755M						/IHz Ant 1				
Level(dBuV/m)	120 80 70 60 50 40 30	ale the descences	-reading to the second	tenten ander som	1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5			
	5650		5675		5700 Frequ	5725 ency(MHz)		5750	5775	
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Туре	
1			5708.500	66.016	28.093	-7.984	74.000	37.923	PK	
2			5715.000	65.021	27.072	-8.979	74.000	37.949	PK	
3			5724.687	70.751	32.763	-7.449	78.200	37.989	PK	
4			5725.000	70.415	32.425	-7.785	78.200	37.990	PK	
5		*	5742.687	105.282	67.221	N/A	N/A	38.061	PK	



Site: AC 1					Time: 2015/07/30 - 10:22					
Limit: FCC_Part15.209_RE(3m)						Engineer: Roy Cheng				
Probe: BBHA9120D_1-18GHz						Polarity: Vertical				
EUT: Wireless Access Point						Power: AC	120	V/60Hz		
Test	Mode:	Transm	nit by 802.11	n-HT40 at cha	MHz Ant 1					
Level(dBuV/m)	120 80 70 60 50 40					1		5	2	
	30									_
	20 5650 5675 5700 Frea				5700 Frequ	I I 5725 575 Jency(MHz)			5750	5775
No	Flag	Mark	Frequency	Measure	Reading	Over Lin	nit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)		(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)					
1			5715.000	51.827	13.878	-2.173		54.000	37.949	AV
2		*	5748.062	90.074	51.988	N/A		N/A	38.087	AV



Site: AC 1						Time: 2015/07/30 - 10:22					
Limit: FCC_Part15.209_RE(3m)						Engineer: Roy Cheng					
Prob	e: BBH	HA9120	D_1-18GHz		Polarity: Horizontal						
EUT	: Wirel	ess Acc	ess Point		Power: AC 120	)V/60Hz					
Test	Mode:	Transn	nit by 802.11n	-HT40 at cha	/IHz Ant 1						
Level(dBuV/m)	120 80 70 60 50 40 30					2.3	4 5		urfilende bigrelige sijne fekt		
	20 5775		5800		5825 Frequ	I I 5850 iency(MHz)	j, j	5875	5900		
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Туре		
1		*	5799.062	110.156	71.895	N/A	N/A	38.261	PK		
2			5850.000	63.602	25.149	-14.598	78.200	38.454	PK		
3			5852.937	65.316	26.856	-12.884	78.200	38.461	PK		
4			5860.000	63.806	25.328	-10.194	74.000	38.478	PK		
5			5867.500	65.260	26.771	-8.740	74.000	38.488	PK		