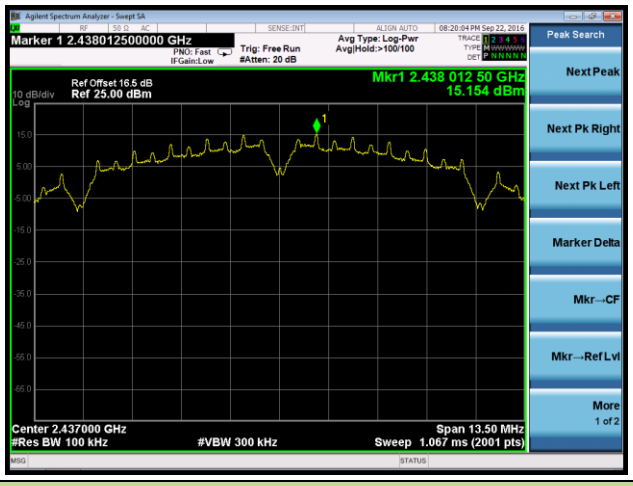
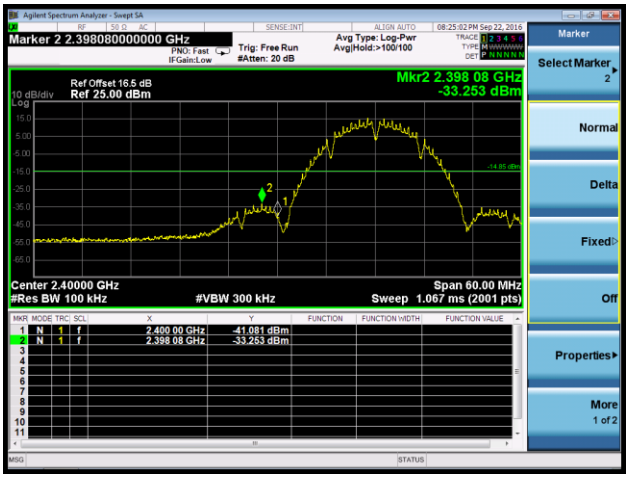
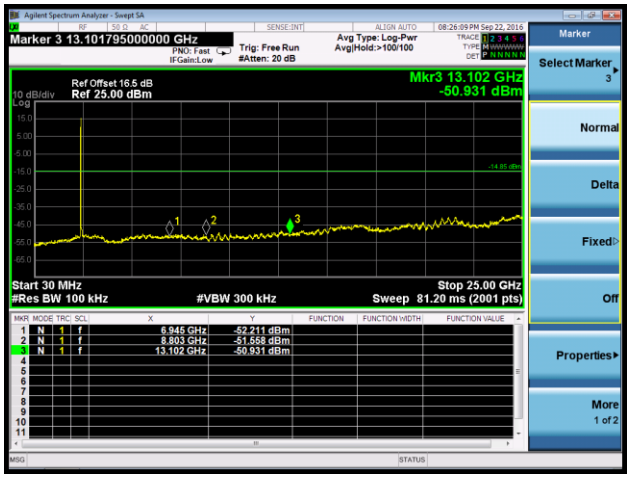
802.11b Out-of-Band Emissions - Ant 2

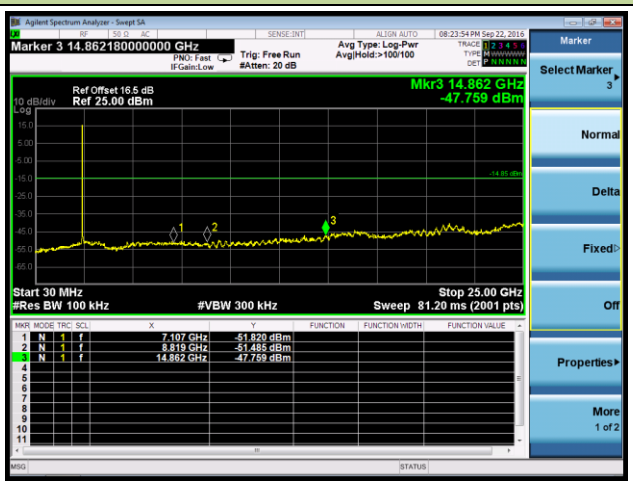
100kHz PSD Reference Level

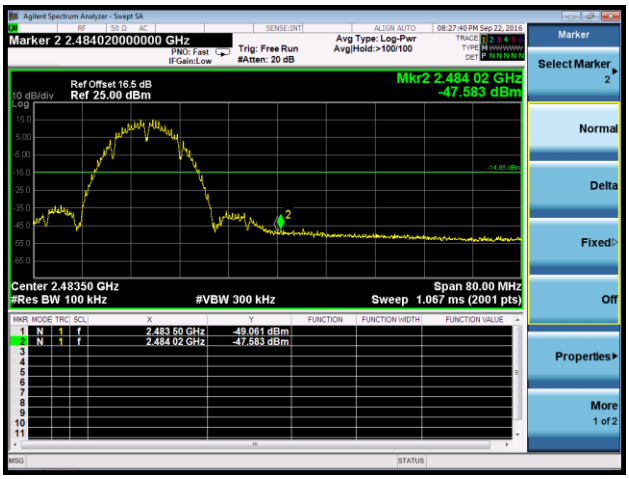
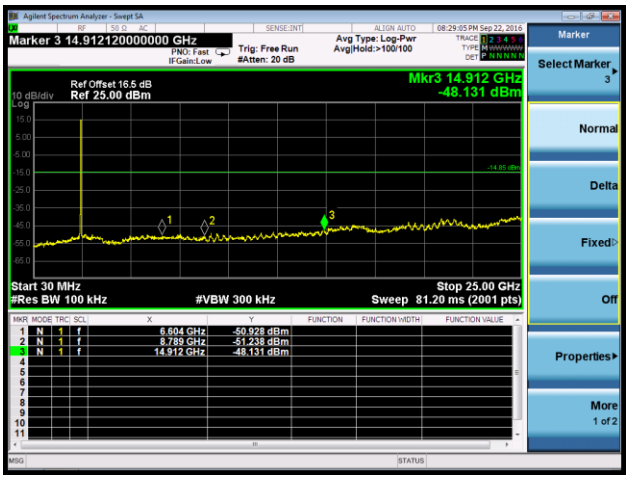


Channel 01 (2412MHz)

Low Band Edge	Spurious Emission
	

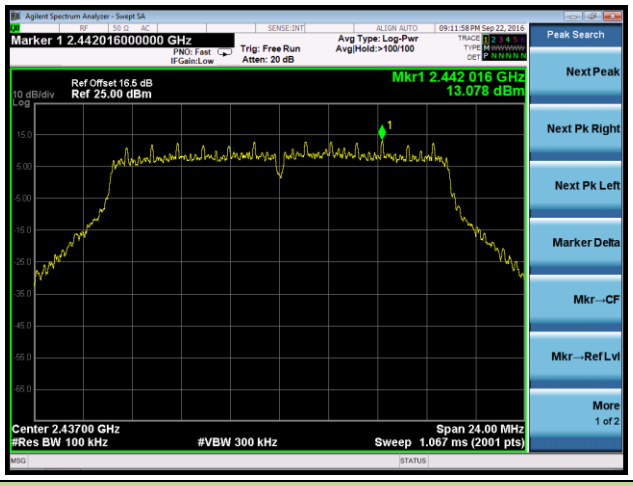
Channel 06 (2437MHz)

Spurious Emission	
	

Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

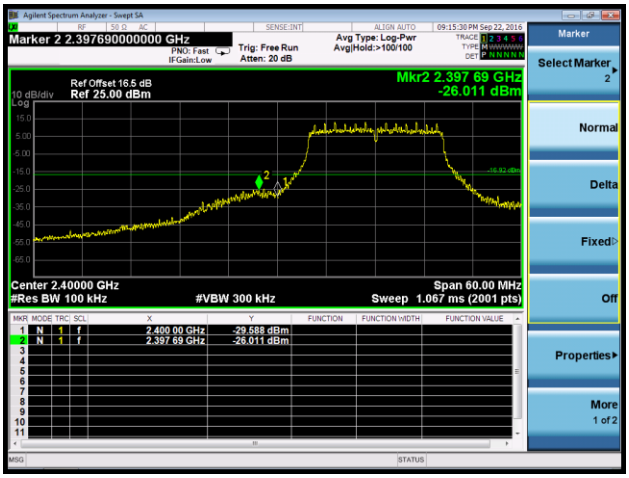
802.11g Out-of-Band Emissions - Ant 2

100kHz PSD Reference Level

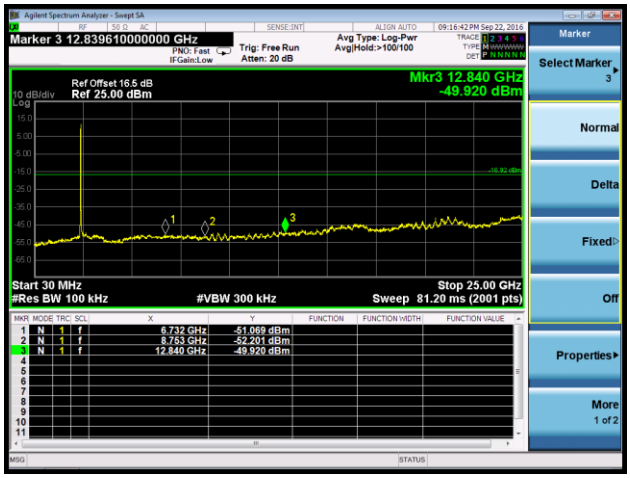


Channel 01 (2412MHz)

Low Band Edge

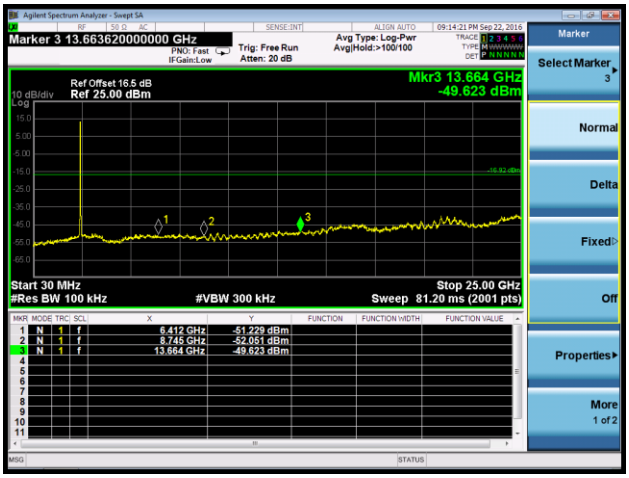


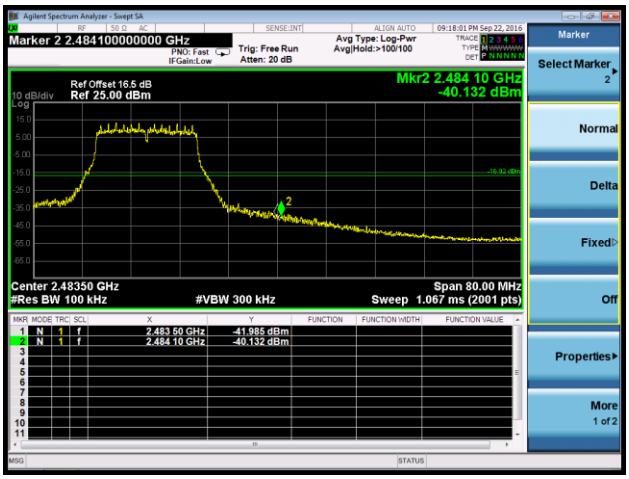
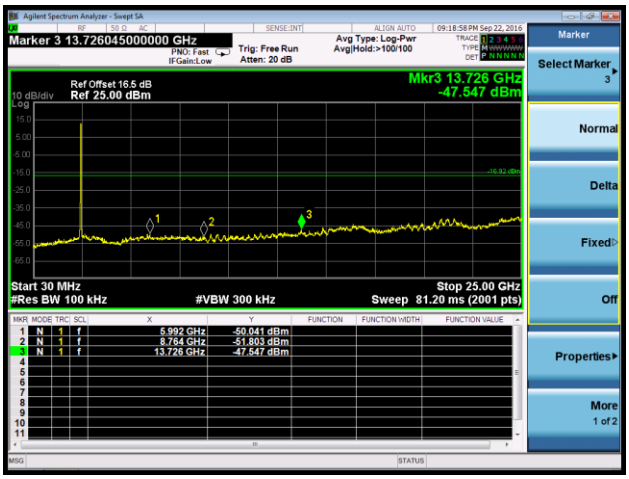
Spurious Emission



Channel 06 (2437MHz)

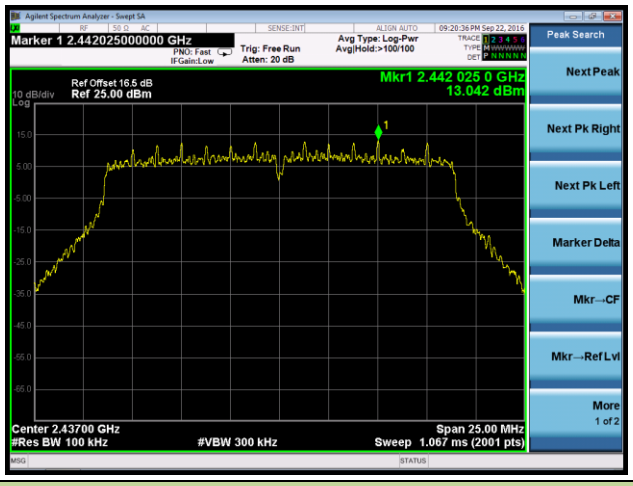
Spurious Emission



Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

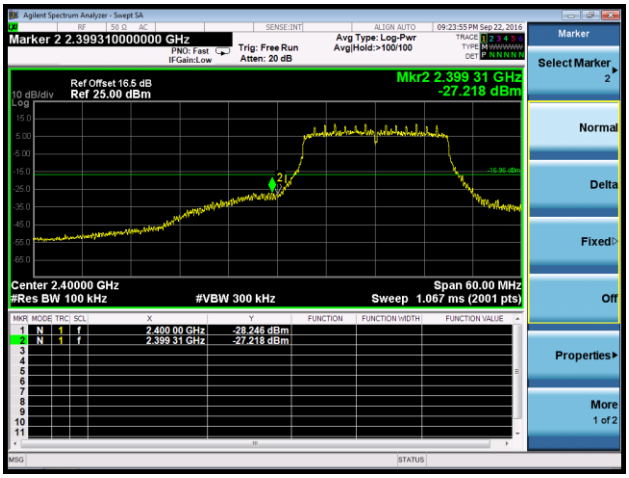
802.11n-HT20 Out-of-Band Emissions - Ant 2

100kHz PSD Reference Level

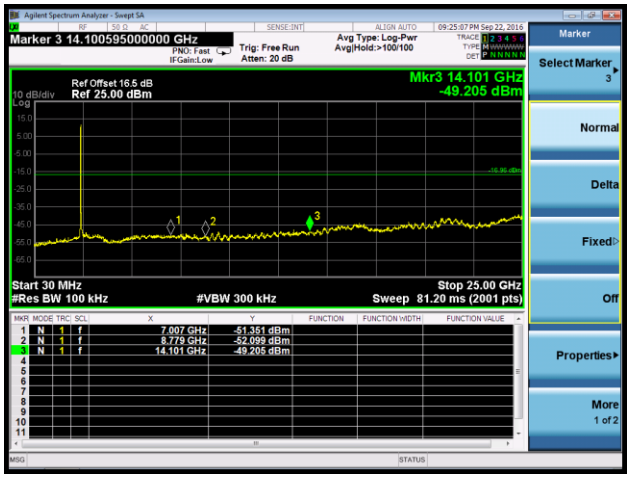


Channel 01 (2412MHz)

Low Band Edge

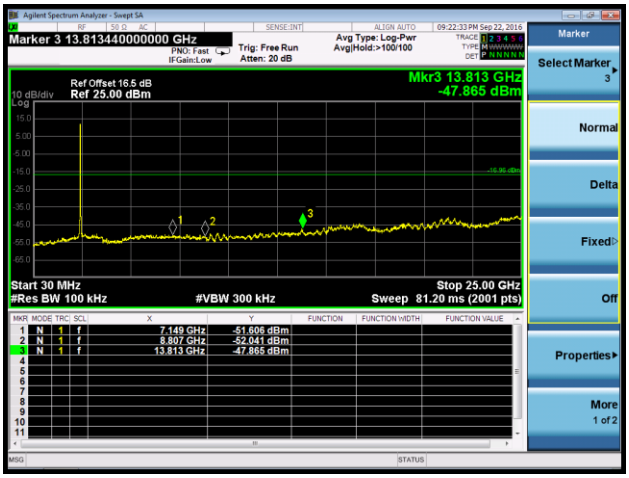


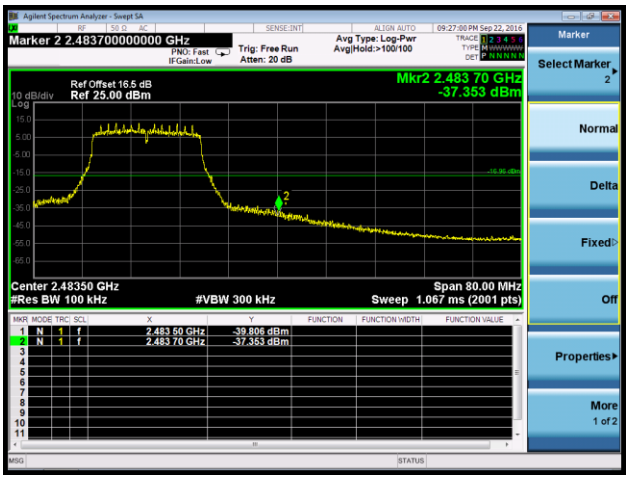
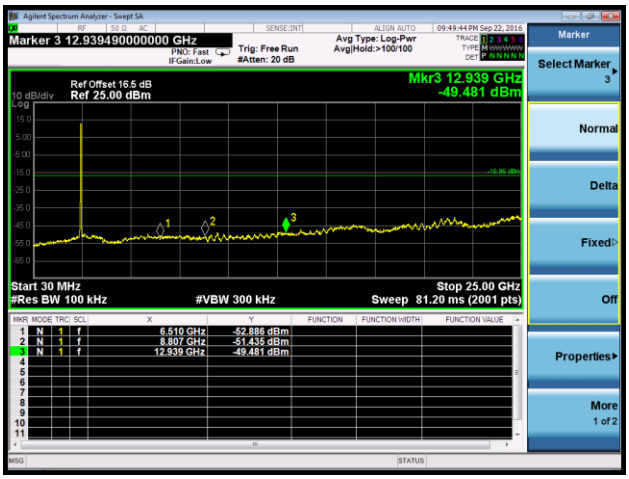
Spurious Emission



Channel 06 (2437MHz)

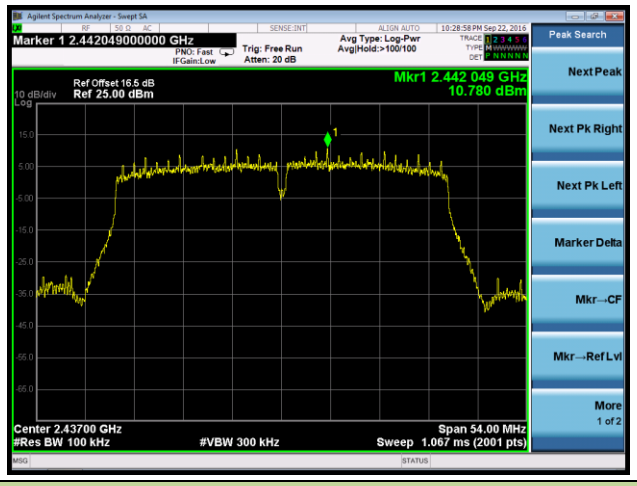
Spurious Emission



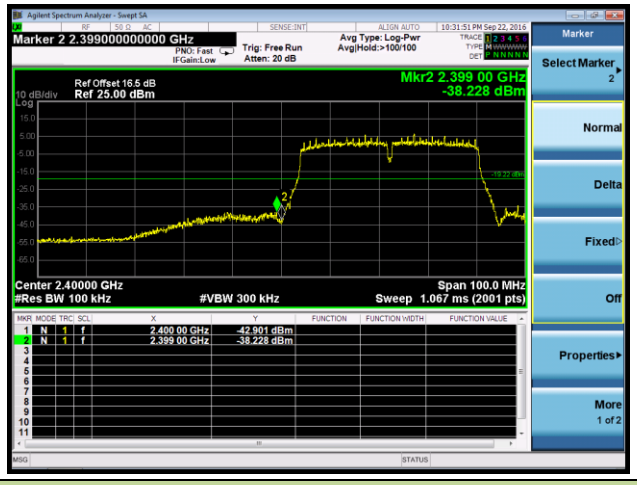
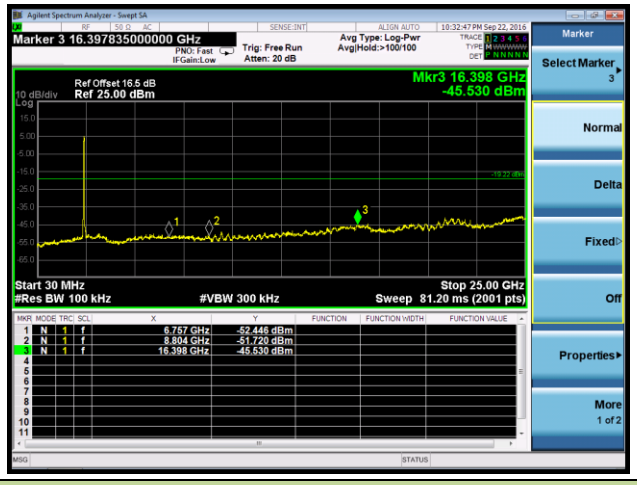
Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

802.11n-HT40 Out-of-Band Emissions - Ant 2

100kHz PSD Reference Level

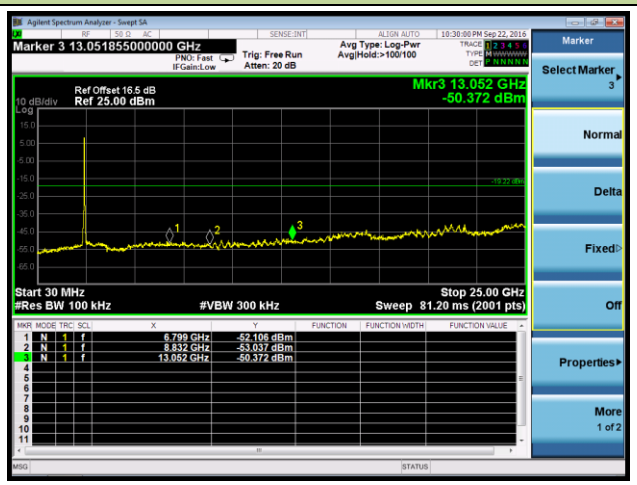


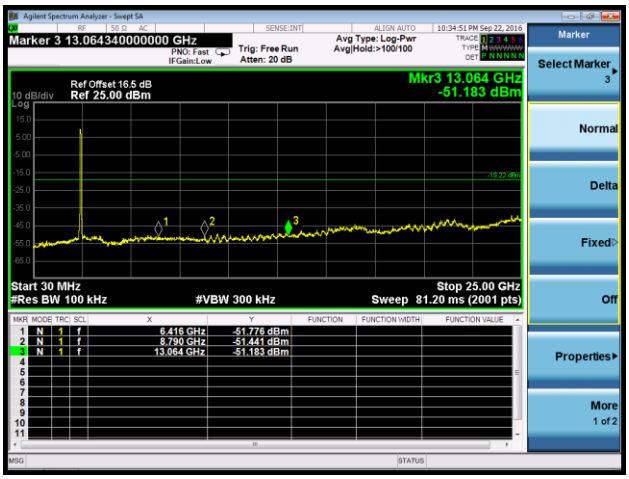
Channel 03 (2422MHz)

Low Band Edge	Spurious Emission
	

Channel 06 (2437MHz)

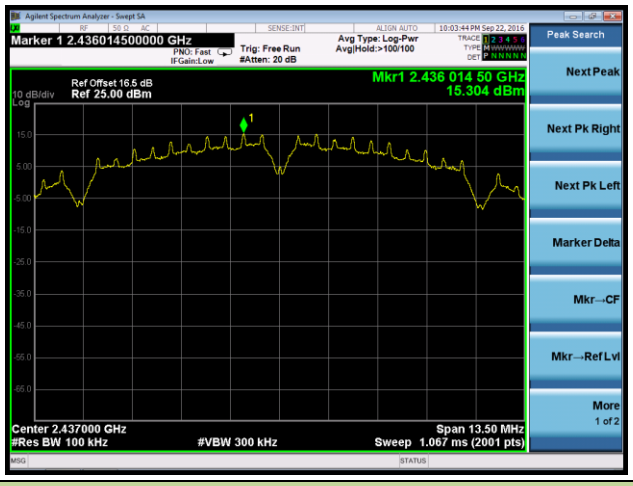
Spurious Emission



Channel 09 (2452MHz)	
High Band Edge	**Spurious Emission**
	

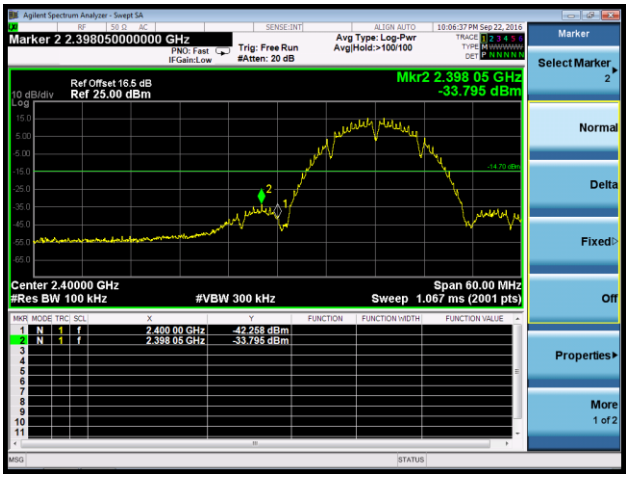
802.11b Out-of-Band Emissions - Ant 3

100kHz PSD Reference Level

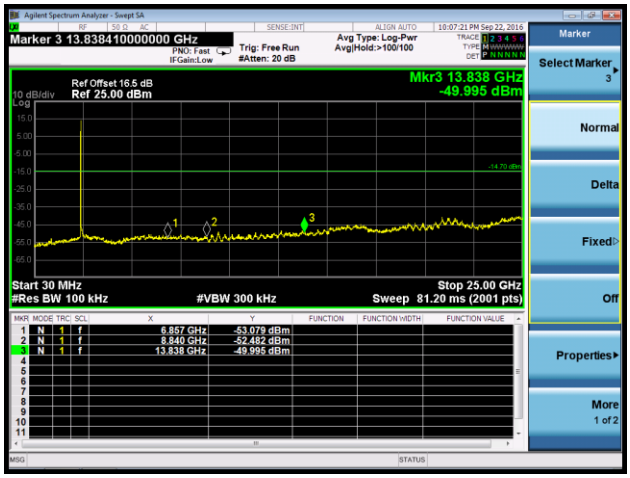


Channel 01 (2412MHz)

Low Band Edge

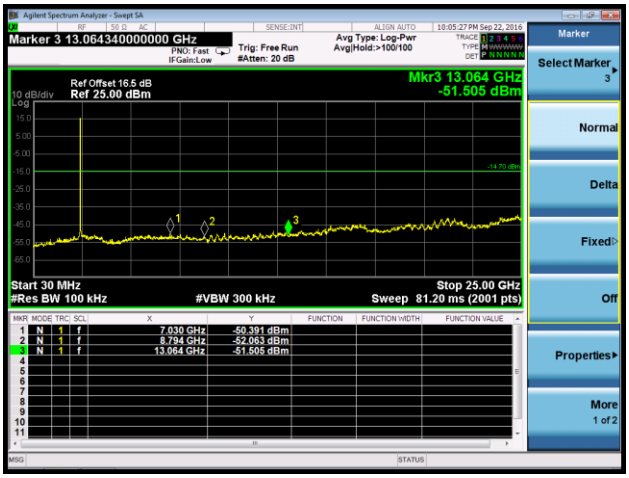


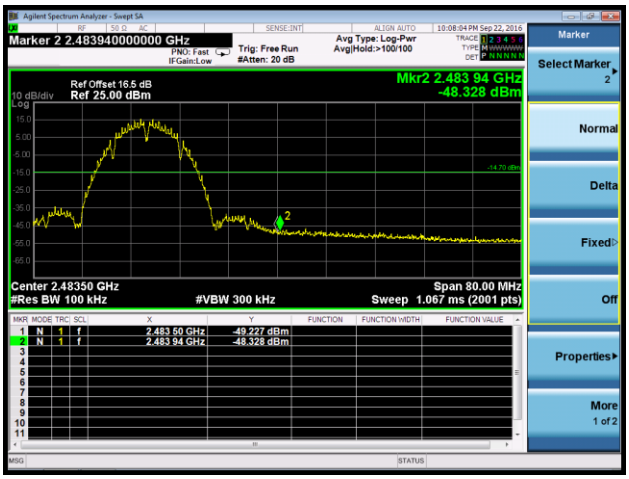
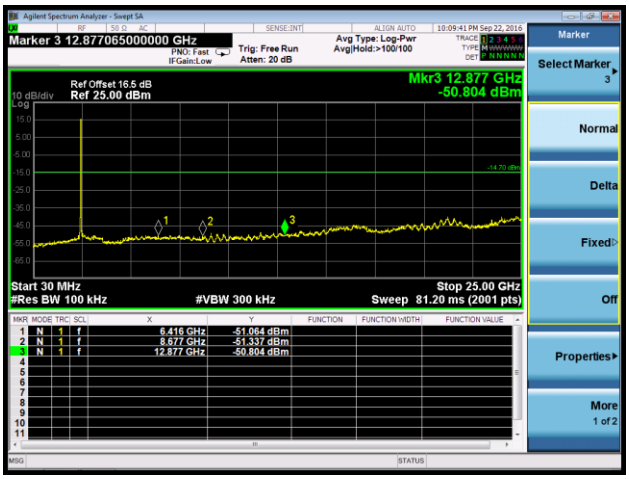
Spurious Emission



Channel 06 (2437MHz)

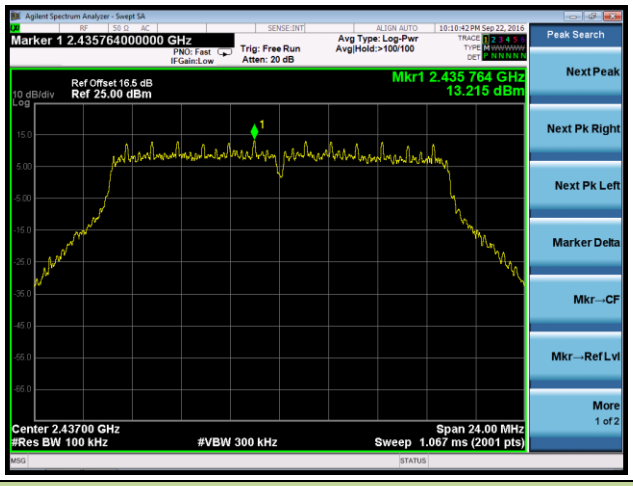
Spurious Emission



Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

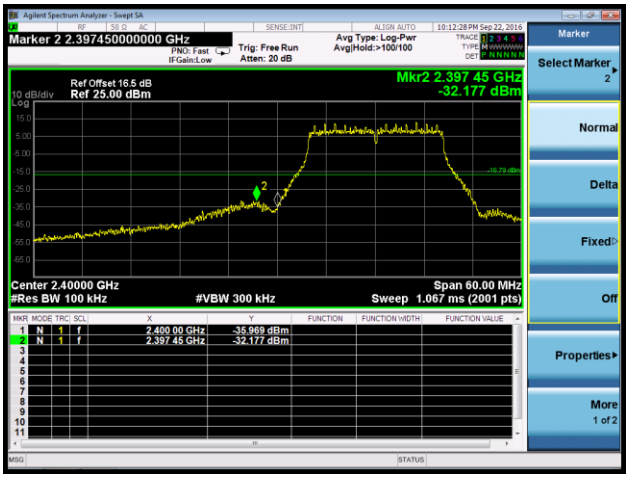
802.11g Out-of-Band Emissions - Ant 3

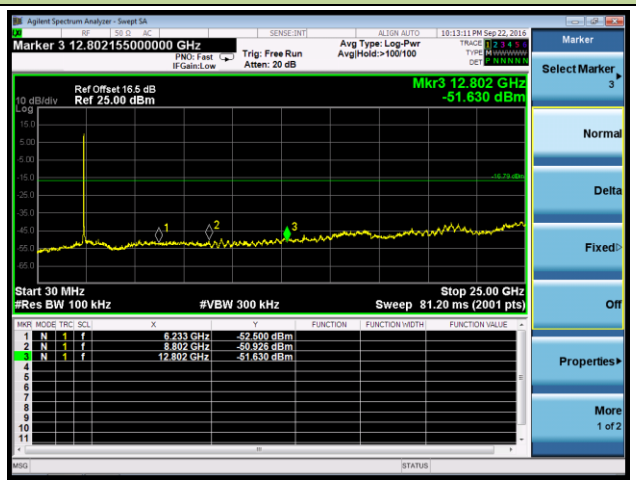
100kHz PSD Reference Level



Channel 01 (2412MHz)

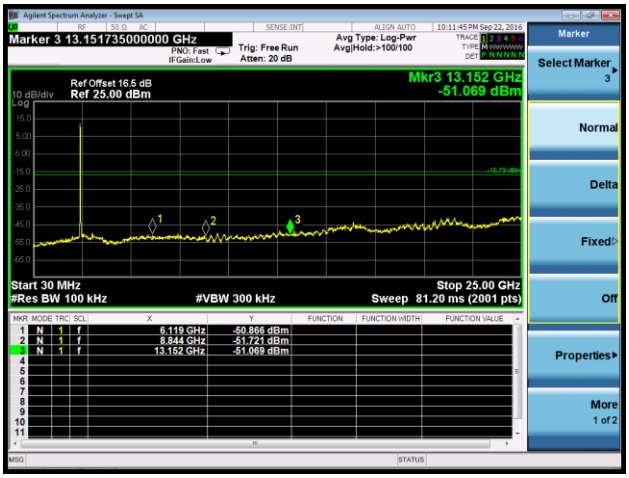
Low Band Edge	Spurious Emission

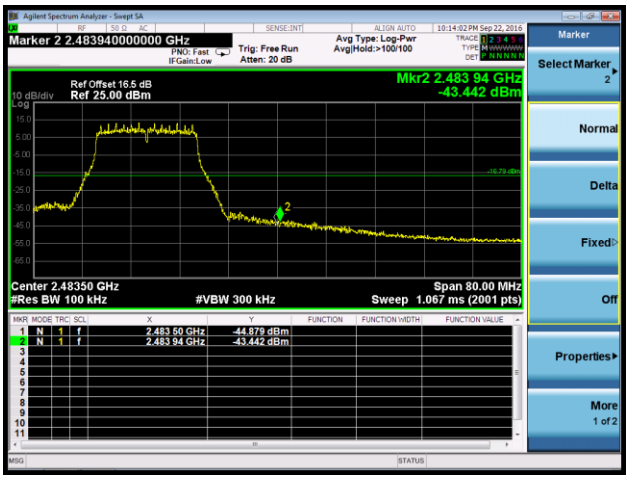
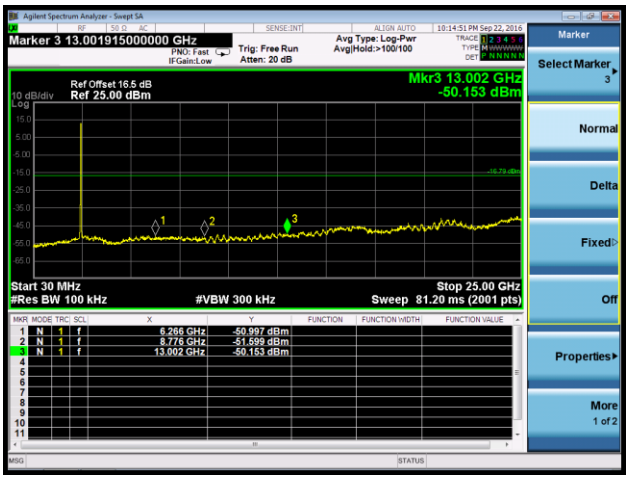




Channel 06 (2437MHz)

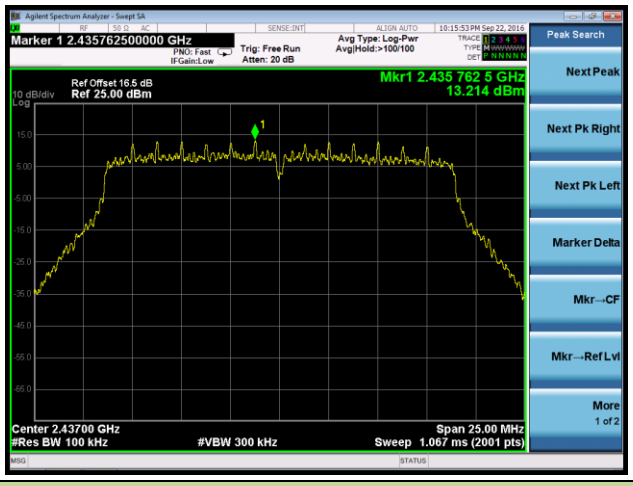
Spurious Emission



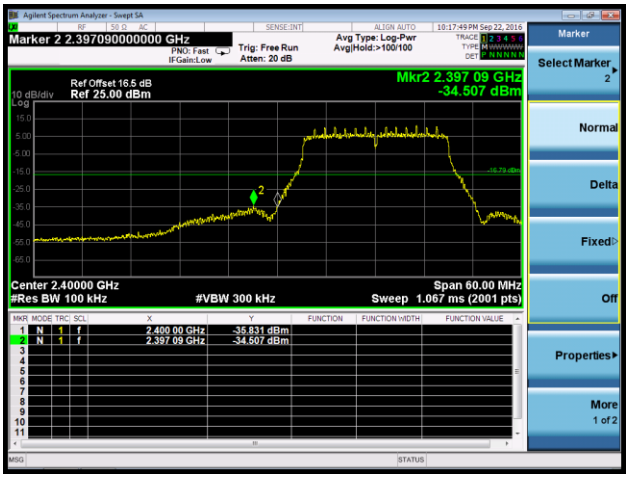
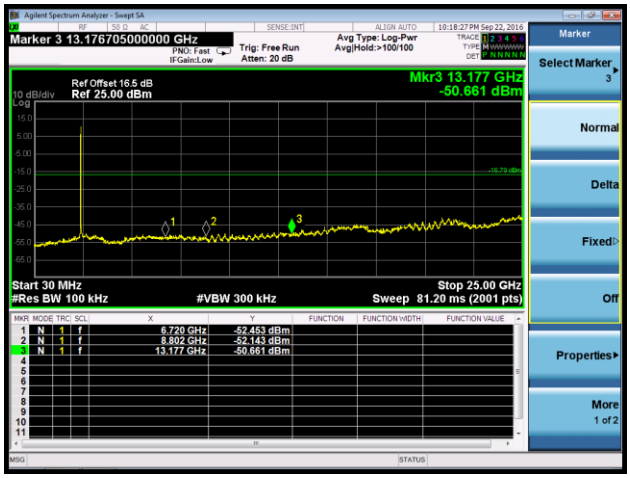
Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

802.11n-HT20 Out-of-Band Emissions - Ant 3

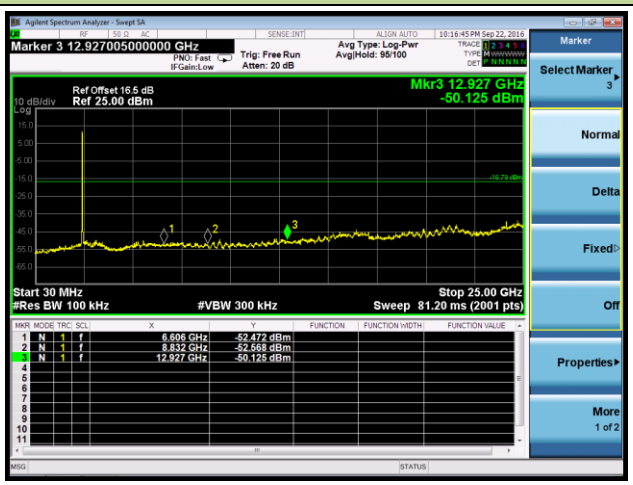
100kHz PSD Reference Level

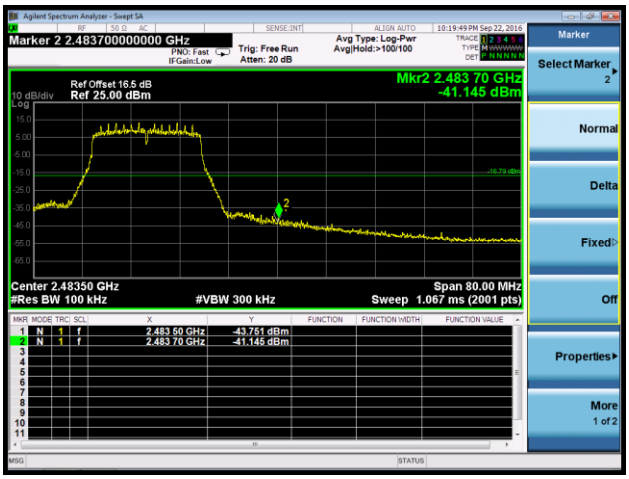
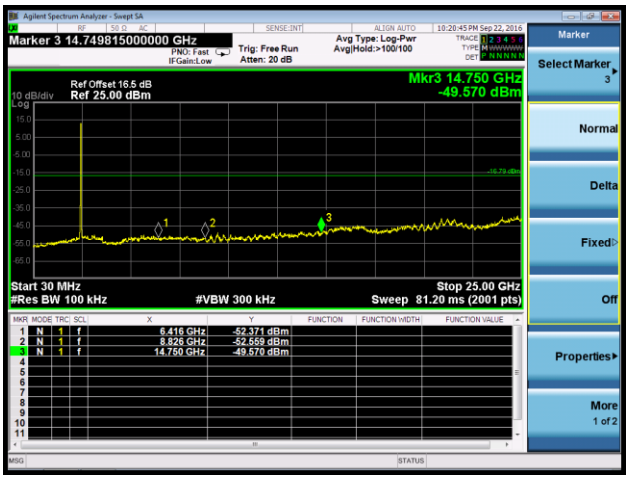


Channel 01 (2412MHz)

Low Band Edge	Spurious Emission
	

Channel 06 (2437MHz)

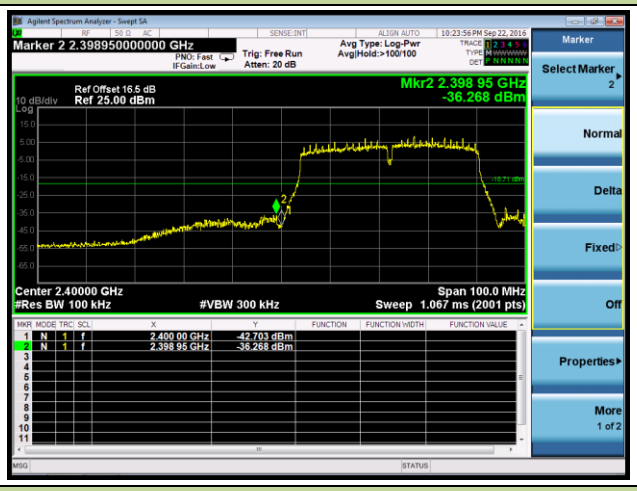
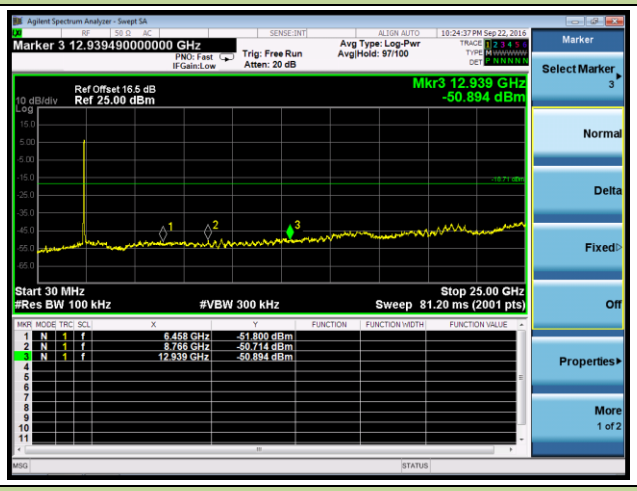
Spurious Emission	
	

Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

802.11n-HT40 Out-of-Band Emissions - Ant 3

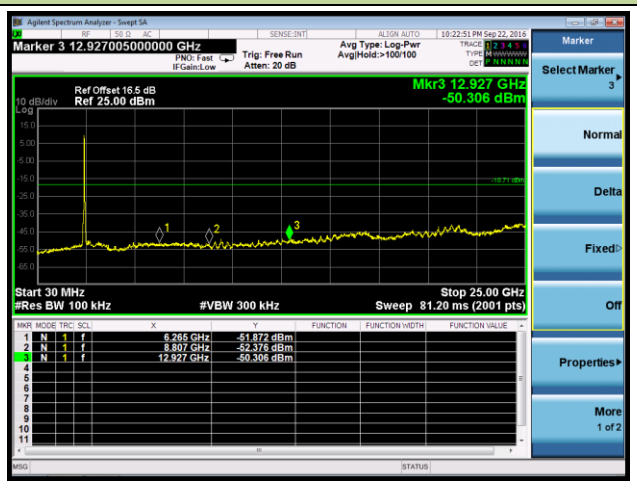
100kHz PSD Reference Level

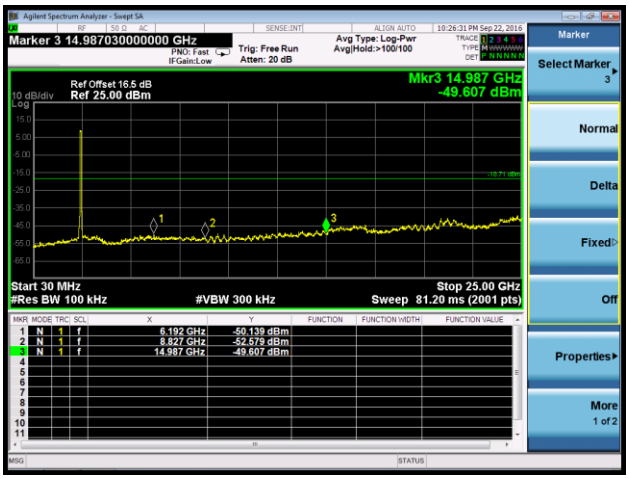
Channel 03 (2422MHz)

Low Band Edge	Spurious Emission
	

Channel 06 (2437MHz)

Spurious Emission



Channel 09 (2452MHz)	
High Band Edge	**Spurious Emission**
	

7.6. Radiated Spurious Emission Measurement

7.6.1.Test Limit

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

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

7.6.2.Test Procedure Used

KDB 558074 D01v03r05 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r05 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r05 - Section 12.2.5 (average power measurements)

7.6.3.Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple

6. Trace mode = max hold
7. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

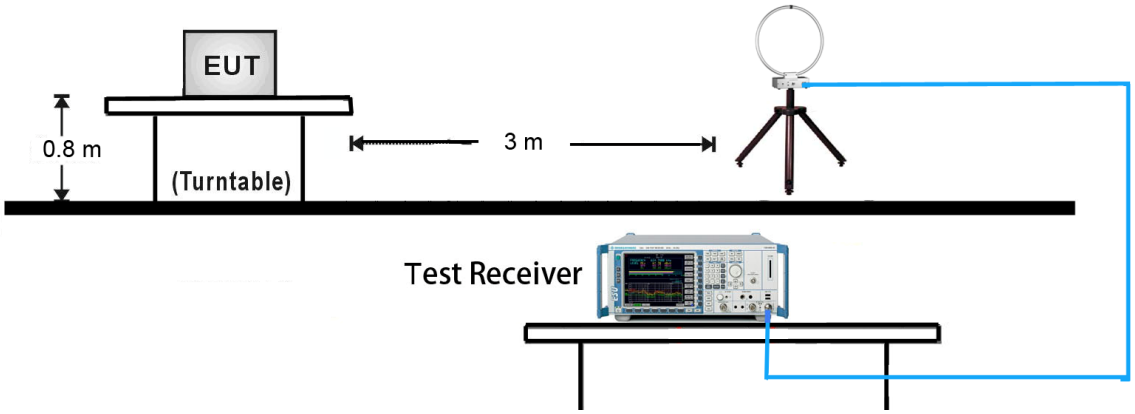
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

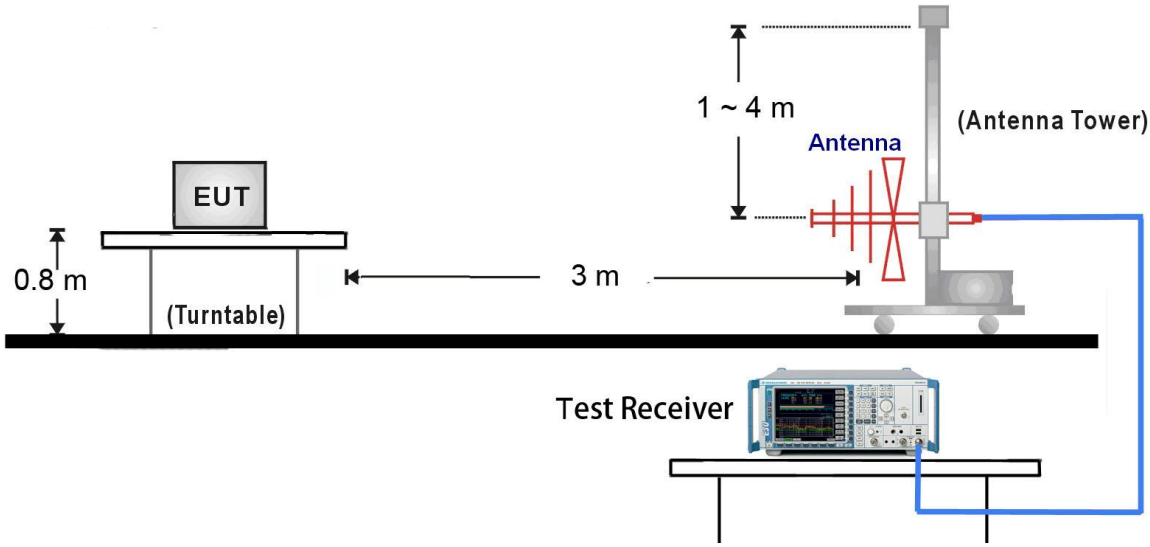
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to “Voltage” regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

7.6.4.Test Setup

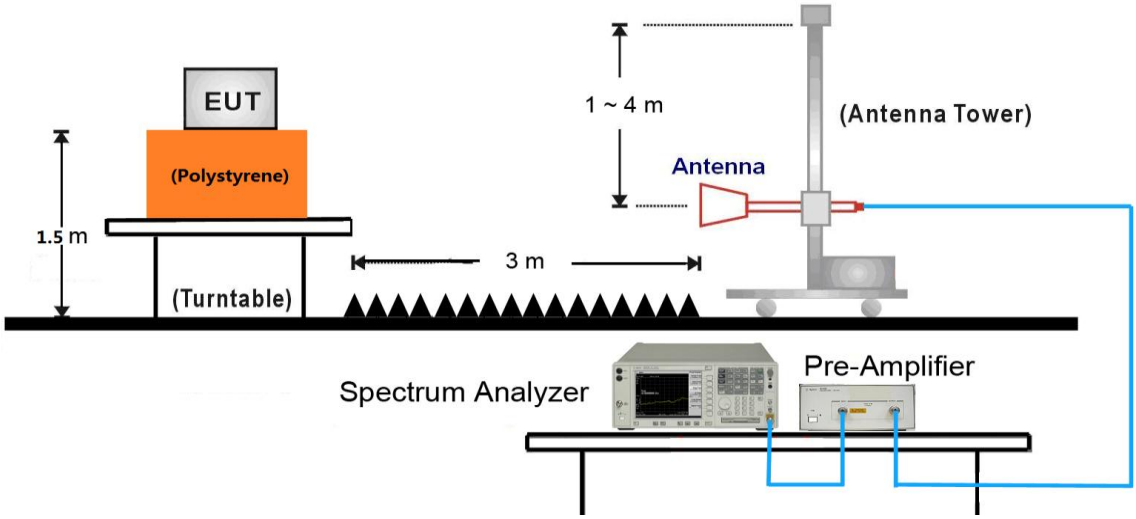
9kHz ~ 30MHz Test Setup:



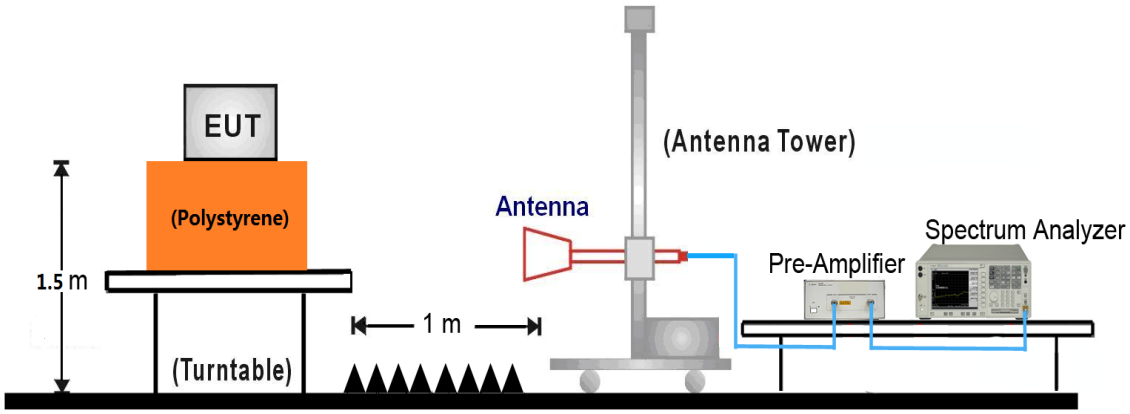
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5.Test Result

Test Mode:	802.11b - Ant 0	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4332.0	35.7	1.7	37.4	74.0	-36.6	Peak	Horizontal
*	6610.0	32.1	8.7	40.8	75.3	-34.5	Peak	Horizontal
	10970.5	28.1	18.4	46.5	74.0	-27.5	Peak	Horizontal
*	16878.0	26.1	24.1	50.2	75.3	-25.1	Peak	Horizontal
	4051.5	36.9	0.5	37.4	74.0	-36.6	Peak	Vertical
*	6100.0	33.8	6.4	40.2	75.3	-35.1	Peak	Vertical
	10851.5	29.2	18.1	47.3	74.0	-26.7	Peak	Vertical
*	16759.0	26.5	23.4	49.9	75.3	-25.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (105.3dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4247.0	35.8	1.3	37.1	74.0	-36.9	Peak	Horizontal
*	6210.5	33.5	6.9	40.4	76.5	-36.1	Peak	Horizontal
	10962.0	29.5	18.4	47.9	74.0	-26.1	Peak	Horizontal
*	17039.5	25.8	24.6	50.4	76.5	-26.1	Peak	Horizontal
	4077.0	35.7	0.6	36.3	74.0	-37.7	Peak	Vertical
*	6482.5	33.2	8.3	41.5	76.5	-35.0	Peak	Vertical
	11565.5	27.1	19.5	46.6	74.0	-27.4	Peak	Vertical
*	17294.5	24.6	25.8	50.4	76.5	-26.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.5dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 0	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4153.5	35.9	0.9	36.8	74.0	-37.2	Peak	Horizontal
*	6678.0	33.3	8.7	42.0	78.7	-36.7	Peak	Horizontal
	11557.0	28.3	19.5	47.8	74.0	-26.2	Peak	Horizontal
*	16818.5	26.0	23.8	49.8	78.7	-28.9	Peak	Horizontal
	4060.0	36.1	0.6	36.7	74.0	-37.3	Peak	Vertical
*	6210.5	33.7	6.9	40.6	78.7	-38.1	Peak	Vertical
	11259.5	28.2	18.8	47.0	74.0	-27.0	Peak	Vertical
*	16614.5	26.8	22.5	49.3	78.7	-29.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.7dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 0	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4332.0	35.3	1.7	37.0	74.0	-37.0	Peak	Horizontal
*	6567.5	32.2	8.6	40.8	77.8	-37.0	Peak	Horizontal
	10843.0	29.4	18.1	47.5	74.0	-26.5	Peak	Horizontal
*	16937.5	26.0	24.4	50.4	77.8	-27.4	Peak	Horizontal
	4060.0	37.0	0.6	37.6	74.0	-36.4	Peak	Vertical
*	6746.0	32.8	8.8	41.6	77.8	-36.2	Peak	Vertical
	11429.5	27.5	19.2	46.7	74.0	-27.3	Peak	Vertical
*	16682.5	26.6	22.9	49.5	77.8	-28.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (107.8dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	3720.0	37.0	0.1	37.1	74.0	-36.9	Peak	Horizontal
*	6108.5	33.1	6.5	39.6	78.3	-38.7	Peak	Horizontal
	11072.5	28.6	18.6	47.2	74.0	-26.8	Peak	Horizontal
*	17082.0	25.5	24.8	50.3	78.3	-28.0	Peak	Horizontal
	4068.5	36.3	0.6	36.9	74.0	-37.1	Peak	Vertical
*	6865.0	31.9	9.5	41.4	78.3	-36.9	Peak	Vertical
	11523.0	27.6	19.4	47.0	74.0	-27.0	Peak	Vertical
*	16946.0	25.5	24.4	49.9	78.3	-28.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.3dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 0	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4051.5	35.9	0.5	36.4	74.0	-37.6	Peak	Horizontal
*	6584.5	32.6	8.6	41.2	80.5	-39.3	Peak	Horizontal
	11523.0	27.5	19.4	46.9	74.0	-27.1	Peak	Horizontal
*	16937.5	25.7	24.4	50.1	80.5	-30.4	Peak	Horizontal
	4332.0	35.4	1.7	37.1	74.0	-36.9	Peak	Vertical
*	6967.0	32.0	10.3	42.3	80.5	-38.2	Peak	Vertical
	11072.5	29.5	18.6	48.1	74.0	-25.9	Peak	Vertical
*	16784.5	26.4	23.6	50.0	80.5	-30.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.5dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 0	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4247.0	36.1	1.3	37.4	74.0	-36.6	Peak	Horizontal
*	6661.0	33.3	8.7	42.0	78.2	-36.2	Peak	Horizontal
	10970.5	28.8	18.4	47.2	74.0	-26.8	Peak	Horizontal
*	16716.5	27.3	23.1	50.4	78.2	-27.8	Peak	Horizontal
	4315.0	35.5	1.6	37.1	74.0	-36.9	Peak	Vertical
*	6873.5	32.2	9.6	41.8	78.2	-36.4	Peak	Vertical
	10877.0	29.2	18.2	47.4	74.0	-26.6	Peak	Vertical
*	17031.0	25.9	24.6	50.5	78.2	-27.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.2dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4323.5	34.8	1.7	36.5	74.0	-37.5	Peak	Horizontal
*	6992.5	31.0	10.5	41.5	81.2	-39.7	Peak	Horizontal
	11064.0	28.5	18.5	47.0	74.0	-27.0	Peak	Horizontal
*	16852.5	25.6	24.0	49.6	81.2	-31.6	Peak	Horizontal
	4238.5	35.8	1.3	37.1	74.0	-36.9	Peak	Vertical
*	6967.0	32.1	10.3	42.4	81.2	-38.8	Peak	Vertical
	11268.0	28.7	18.8	47.5	74.0	-26.5	Peak	Vertical
*	16674.0	26.7	22.9	49.6	81.2	-31.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.2dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 0	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4162.0	35.2	1.0	36.2	74.0	-37.8	Peak	Horizontal
*	6508.0	31.5	8.4	39.9	79.3	-39.4	Peak	Horizontal
	10970.5	28.5	18.4	46.9	74.0	-27.1	Peak	Horizontal
*	16810.0	26.2	23.8	50.0	79.3	-29.3	Peak	Horizontal
	4153.5	36.4	0.9	37.3	74.0	-36.7	Peak	Vertical
*	6550.5	32.2	8.6	40.8	79.3	-38.5	Peak	Vertical
	10894.0	29.3	18.3	47.6	74.0	-26.4	Peak	Vertical
*	16750.5	27.5	23.3	50.8	79.3	-28.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.3dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 0	Test Site:	AC1
Test Channel:	03	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4315.0	35.9	1.6	37.5	74.0	-36.5	Peak	Horizontal
*	6491.0	32.6	8.3	40.9	74.9	-34.0	Peak	Horizontal
	10962.0	29.1	18.4	47.5	74.0	-26.5	Peak	Horizontal
*	16759.0	26.8	23.4	50.2	74.9	-24.7	Peak	Horizontal
	4264.0	35.4	1.4	36.8	74.0	-37.2	Peak	Vertical
*	6967.0	31.8	10.3	42.1	74.9	-32.8	Peak	Vertical
	10979.0	28.2	18.5	46.7	74.0	-27.3	Peak	Vertical
*	17456.0	25.1	26.7	51.8	74.9	-23.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (104.9dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4340.5	35.8	1.8	37.6	74.0	-36.4	Peak	Horizontal
*	6882.0	31.2	9.7	40.9	83.5	-42.6	Peak	Horizontal
	10945.0	28.0	18.4	46.4	74.0	-27.6	Peak	Horizontal
*	16920.5	25.5	24.3	49.8	83.5	-33.7	Peak	Horizontal
	4238.5	36.4	1.3	37.7	74.0	-36.3	Peak	Vertical
*	6644.0	33.3	8.7	42.0	83.5	-41.5	Peak	Vertical
	11047.0	28.5	18.5	47.0	74.0	-27.0	Peak	Vertical
*	16827.0	26.5	23.9	50.4	83.5	-33.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.5dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 0	Test Site:	AC1
Test Channel:	09	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4238.5	36.4	1.3	37.7	74.0	-36.3	Peak	Horizontal
*	6644.0	33.3	8.7	42.0	77.2	-35.2	Peak	Horizontal
	10877.0	29.3	18.2	47.5	74.0	-26.5	Peak	Horizontal
*	16827.0	26.5	23.9	50.4	77.2	-26.8	Peak	Horizontal
	4264.0	35.8	1.4	37.2	74.0	-36.8	Peak	Vertical
*	6882.0	31.9	9.7	41.6	77.2	-35.6	Peak	Vertical
	11259.5	27.6	18.8	46.4	74.0	-27.6	Peak	Vertical
*	16903.5	25.7	24.2	49.9	77.2	-27.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (107.2dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	3813.5	38.1	0.3	38.4	74.0	-35.6	Peak	Horizontal
*	6644.0	33.9	8.7	42.6	77.2	-34.6	Peak	Horizontal
	10809.0	29.7	17.9	47.6	74.0	-26.4	Peak	Horizontal
*	16895.0	26.9	24.2	51.1	77.2	-26.1	Peak	Horizontal
	4238.5	36.7	1.3	38.0	74.0	-36.0	Peak	Vertical
*	6448.5	33.6	8.0	41.6	77.2	-35.6	Peak	Vertical
	10936.5	28.6	18.4	47.0	74.0	-27.0	Peak	Vertical
*	17022.5	26.6	24.6	51.2	77.2	-26.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (107.2dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4145.0	36.9	0.9	37.8	74.0	-36.2	Peak	Horizontal
*	6584.5	32.6	8.6	41.2	78.4	-37.2	Peak	Horizontal
	11081.0	29.1	18.6	47.7	74.0	-26.3	Peak	Horizontal
*	16878.0	27.3	24.1	51.4	78.4	-27.0	Peak	Horizontal
	3975.0	36.5	0.4	36.9	74.0	-37.1	Peak	Vertical
*	6601.5	33.0	8.7	41.7	78.4	-36.7	Peak	Vertical
	11072.5	29.0	18.6	47.6	74.0	-26.4	Peak	Vertical
*	16767.5	27.8	23.5	51.3	78.4	-27.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.4dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4238.5	36.6	1.3	37.9	74.0	-36.1	Peak	Horizontal
*	6576.0	31.9	8.6	40.5	79.5	-39.0	Peak	Horizontal
	10945.0	28.6	18.4	47.0	74.0	-27.0	Peak	Horizontal
*	17039.5	26.4	24.6	51.0	79.5	-28.5	Peak	Horizontal
	4153.5	37.1	0.9	38.0	74.0	-36.0	Peak	Vertical
*	6848.0	32.8	9.4	42.2	79.5	-37.3	Peak	Vertical
	10936.5	28.9	18.4	47.3	74.0	-26.7	Peak	Vertical
*	17328.5	26.1	26.0	52.1	79.5	-27.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.5dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4077.0	36.5	0.6	37.1	74.0	-36.9	Peak	Horizontal
*	6873.5	32.5	9.6	42.1	77.8	-35.7	Peak	Horizontal
	11115.0	28.5	18.6	47.1	74.0	-26.9	Peak	Horizontal
*	16980.0	26.2	24.5	50.7	77.8	-27.1	Peak	Horizontal
	4162.0	35.8	1.0	36.8	74.0	-37.2	Peak	Vertical
*	7043.5	33.1	11.0	44.1	77.8	-33.7	Peak	Vertical
	11072.5	28.1	18.6	46.7	74.0	-27.3	Peak	Vertical
*	17048.0	25.6	24.7	50.3	77.8	-27.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (107.8dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4051.5	36.3	0.5	36.8	74.0	-37.2	Peak	Horizontal
*	6882.0	32.6	9.7	42.3	79.5	-37.2	Peak	Horizontal
	11548.5	27.9	19.4	47.3	74.0	-26.7	Peak	Horizontal
*	16708.0	27.8	23.1	50.9	79.5	-28.6	Peak	Horizontal
	4060.0	36.4	0.5	36.9	74.0	-37.1	Peak	Vertical
*	7009.5	35.5	6.9	42.4	79.5	-37.1	Peak	Vertical
	10953.5	34.3	13.1	47.4	74.0	-26.6	Peak	Vertical
*	16742.0	35.6	14.6	50.2	79.5	-29.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.5dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4153.5	36.5	0.9	37.4	74.0	-36.6	Peak	Horizontal
*	6491.0	33.4	8.3	41.7	81.5	-39.8	Peak	Horizontal
	11140.5	28.7	18.7	47.4	74.0	-26.6	Peak	Horizontal
*	16903.5	27.2	24.2	51.4	81.5	-30.1	Peak	Horizontal
	4060.0	37.5	0.6	38.1	74.0	-35.9	Peak	Vertical
*	6576.0	33.2	8.6	41.8	81.5	-39.7	Peak	Vertical
	10877.0	29.3	18.2	47.5	74.0	-26.5	Peak	Vertical
*	16776.0	27.2	23.5	50.7	81.5	-30.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.5dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	3992.0	36.8	0.4	37.2	74.0	-36.8	Peak	Horizontal
*	6882.0	32.0	9.7	41.7	79.1	-37.4	Peak	Horizontal
	11081.0	28.3	18.6	46.9	74.0	-27.1	Peak	Horizontal
*	17014.0	25.7	24.6	50.3	79.1	-28.8	Peak	Horizontal
	4068.5	36.2	0.6	36.8	74.0	-37.2	Peak	Vertical
*	6644.0	32.4	8.7	41.1	79.1	-38.0	Peak	Vertical
	10860.0	28.1	18.2	46.3	74.0	-27.7	Peak	Vertical
*	16852.5	26.0	24.0	50.0	79.1	-29.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.1dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4060.0	37.4	0.6	38.0	74.0	-36.0	Peak	Horizontal
*	6474.0	33.4	8.2	41.6	79.4	-37.8	Peak	Horizontal
	10885.5	29.8	18.3	48.1	74.0	-25.9	Peak	Horizontal
*	16886.5	26.7	24.1	50.8	79.4	-28.6	Peak	Horizontal
	4077.0	37.6	0.6	38.2	74.0	-35.8	Peak	Vertical
*	6661.0	33.3	8.7	42.0	79.4	-37.4	Peak	Vertical
	10979.0	30.4	18.5	48.9	74.0	-25.1	Peak	Vertical
*	17379.5	25.9	26.4	52.3	79.4	-27.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.4dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4077.0	36.8	0.6	37.4	74.0	-36.6	Peak	Horizontal
*	6491.0	32.6	8.3	40.9	80.2	-39.3	Peak	Horizontal
	11149.0	29.3	18.7	48.0	74.0	-26.0	Peak	Horizontal
*	17286.0	25.4	25.8	51.2	80.2	-29.0	Peak	Horizontal
	4077.0	37.4	0.6	38.0	74.0	-36.0	Peak	Vertical
*	6576.0	33.6	8.6	42.2	80.2	-38.0	Peak	Vertical
	10885.5	29.3	18.3	47.6	74.0	-26.4	Peak	Vertical
*	16852.5	27.5	24.0	51.5	80.2	-28.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.2dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1
Test Channel:	03	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	3983.5	37.7	0.4	38.1	74.0	-35.9	Peak	Horizontal
*	6202.0	34.2	6.8	41.0	76.6	-35.6	Peak	Horizontal
	10970.5	29.0	18.4	47.4	74.0	-26.6	Peak	Horizontal
*	16886.5	26.6	24.1	50.7	76.6	-25.9	Peak	Horizontal
	4068.5	37.7	0.6	38.3	74.0	-35.7	Peak	Vertical
*	6873.5	33.3	9.6	42.9	76.6	-33.7	Peak	Vertical
	11047.0	29.4	18.5	47.9	74.0	-26.1	Peak	Vertical
*	16912.0	25.8	24.3	50.1	76.6	-26.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.6dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4068.5	37.2	0.6	37.8	74.0	-36.2	Peak	Horizontal
*	6584.5	32.8	8.6	41.4	79.7	-38.3	Peak	Horizontal
	11149.0	29.2	18.7	47.9	74.0	-26.1	Peak	Horizontal
*	16699.5	27.6	23.0	50.6	79.7	-29.1	Peak	Horizontal
	4077.0	37.8	0.6	38.4	74.0	-35.6	Peak	Vertical
*	6635.5	33.3	8.7	42.0	79.7	-37.7	Peak	Vertical
	11259.5	29.0	18.8	47.8	74.0	-26.2	Peak	Vertical
*	16886.5	26.3	24.1	50.4	79.7	-29.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.7dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1
Test Channel:	09	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4238.5	37.4	1.3	38.7	74.0	-35.3	Peak	Horizontal
*	6754.5	33.2	8.8	42.0	78.7	-36.7	Peak	Horizontal
	11021.5	28.4	18.5	46.9	74.0	-27.1	Peak	Horizontal
*	16844.0	25.7	23.9	49.6	78.7	-29.1	Peak	Horizontal
	3992.0	38.3	0.4	38.7	74.0	-35.3	Peak	Vertical
*	6550.5	34.1	8.6	42.7	78.7	-36.0	Peak	Vertical
	11072.5	29.9	18.6	48.5	74.0	-25.5	Peak	Vertical
*	17439.0	26.4	26.7	53.1	78.7	-25.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.7dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	3975.0	38.6	0.4	39.0	74.0	-35.0	Peak	Horizontal
*	6873.5	33.9	9.6	43.5	74.0	-30.5	Peak	Horizontal
	10936.5	30.4	18.4	48.8	74.0	-25.2	Peak	Horizontal
*	16742.0	28.3	23.3	51.6	74.0	-22.4	Peak	Horizontal
	4162.0	37.6	1.0	38.6	74.0	-35.4	Peak	Vertical
*	6584.5	33.4	8.6	42.0	74.0	-32.0	Peak	Vertical
	10936.5	28.6	18.4	47.0	74.0	-27.0	Peak	Vertical
*	16776.0	26.7	23.5	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (103.7dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4153.5	36.5	0.9	37.4	74.0	-36.6	Peak	Horizontal
*	6593.0	33.2	8.7	41.9	75.1	-33.2	Peak	Horizontal
	10868.5	28.5	18.2	46.7	74.0	-27.3	Peak	Horizontal
*	17371.0	24.7	26.3	51.0	75.1	-24.1	Peak	Horizontal
	4077.0	36.2	0.6	36.8	74.0	-37.2	Peak	Vertical
*	6958.5	32.9	10.2	43.1	75.1	-32.0	Peak	Vertical
	11948.0	28.8	18.6	47.4	74.0	-26.6	Peak	Vertical
*	16716.5	27.2	23.1	50.3	75.1	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (105.1dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4068.5	36.6	0.6	37.2	74.0	-36.8	Peak	Horizontal
*	6610.0	32.8	8.7	41.5	76.1	-34.6	Peak	Horizontal
	10962.0	29.1	18.4	47.5	74.0	-26.5	Peak	Horizontal
*	16861.0	26.1	24.0	50.1	76.1	-26.0	Peak	Horizontal
	4068.5	36.9	0.6	37.5	74.0	-36.5	Peak	Vertical
*	6618.5	32.6	8.7	41.3	76.1	-34.8	Peak	Vertical
	11064.0	29.8	18.5	48.3	74.0	-25.7	Peak	Vertical
*	16801.5	26.4	23.7	50.1	76.1	-26.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.1dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4153.5	36.9	0.9	37.8	74.0	-36.2	Peak	Horizontal
*	6567.5	32.7	8.6	41.3	76.7	-35.4	Peak	Horizontal
	11548.5	27.6	19.4	47.0	74.0	-27.0	Peak	Horizontal
*	17099.0	25.3	24.8	50.1	76.7	-26.6	Peak	Horizontal
	4153.5	36.5	0.9	37.4	74.0	-36.6	Peak	Vertical
*	6780.0	32.5	8.9	41.4	76.7	-35.3	Peak	Vertical
	11038.5	29.0	18.5	47.5	74.0	-26.5	Peak	Vertical
*	16869.5	26.0	24.1	50.1	76.7	-26.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.7dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4060.0	37.8	0.6	38.4	74.0	-35.6	Peak	Horizontal
*	6848.0	33.3	9.4	42.7	78.3	-35.6	Peak	Horizontal
	11582.5	28.2	19.5	47.7	74.0	-26.3	Peak	Horizontal
*	16886.5	27.3	24.1	51.4	78.3	-26.9	Peak	Horizontal
	4060.0	36.6	0.6	37.2	74.0	-36.8	Peak	Vertical
*	6669.5	32.4	8.7	41.1	78.3	-37.2	Peak	Vertical
	11548.5	28.2	19.4	47.6	74.0	-26.4	Peak	Vertical
*	16733.5	26.0	23.2	49.2	78.3	-29.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.3dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4153.5	35.4	0.9	36.3	74.0	-37.7	Peak	Horizontal
*	6593.0	32.8	8.7	41.5	77.7	-36.2	Peak	Horizontal
	10953.5	29.0	18.4	47.4	74.0	-26.6	Peak	Horizontal
*	16682.5	26.9	22.9	49.8	77.7	-27.9	Peak	Horizontal
	4162.0	36.0	1.0	37.0	74.0	-37.0	Peak	Vertical
*	6652.5	33.1	8.7	41.8	77.7	-35.9	Peak	Vertical
	10953.5	28.9	18.4	47.3	74.0	-26.7	Peak	Vertical
*	16895.0	25.7	24.2	49.9	77.7	-27.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (107.7dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4162.0	36.3	1.0	37.3	74.0	-36.7	Peak	Horizontal
*	6406.0	32.8	7.7	40.5	76.3	-35.8	Peak	Horizontal
	11353.0	28.8	19.0	47.8	74.0	-26.2	Peak	Horizontal
*	17328.5	25.4	26.0	51.4	76.3	-24.9	Peak	Horizontal
	4068.5	38.1	0.6	38.7	74.0	-35.3	Peak	Vertical
*	7060.5	32.4	11.1	43.5	76.3	-32.8	Peak	Vertical
	11047.0	29.8	18.5	48.3	74.0	-25.7	Peak	Vertical
*	17362.5	26.9	26.3	53.2	76.3	-23.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.3dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4255.5	37.3	1.4	38.7	74.0	-35.3	Peak	Horizontal
*	6584.5	33.2	8.6	41.8	79.4	-37.6	Peak	Horizontal
	10868.5	29.1	18.2	47.3	74.0	-26.7	Peak	Horizontal
*	16963.0	26.8	24.5	51.3	79.4	-28.1	Peak	Horizontal
	4068.5	37.4	0.6	38.0	74.0	-36.0	Peak	Vertical
*	6967.0	33.2	10.3	43.5	79.4	-35.9	Peak	Vertical
	11072.5	29.1	18.6	47.7	74.0	-26.3	Peak	Vertical
*	17490.0	26.1	27.0	53.1	79.4	-26.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.4dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4060.0	37.8	0.6	38.4	74.0	-35.6	Peak	Horizontal
*	6873.5	32.9	9.6	42.5	78.7	-36.2	Peak	Horizontal
	10979.0	29.3	18.5	47.8	74.0	-26.2	Peak	Horizontal
*	17396.5	25.6	26.5	52.1	78.7	-26.6	Peak	Horizontal
	3983.5	36.7	0.4	37.1	74.0	-36.9	Peak	Vertical
*	6865.0	32.2	9.5	41.7	78.7	-37.0	Peak	Vertical
	10996.0	28.9	18.5	47.4	74.0	-26.6	Peak	Vertical
*	17014.0	25.8	24.6	50.4	78.7	-28.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.7dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 2	Test Site:	AC1
Test Channel:	03	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4068.5	37.2	0.6	37.8	74.0	-36.2	Peak	Horizontal
*	7060.5	33.0	11.1	44.1	74.0	-29.9	Peak	Horizontal
	11047.0	29.3	18.5	47.8	74.0	-26.2	Peak	Horizontal
*	17031.0	26.5	24.6	51.1	74.0	-22.9	Peak	Horizontal
	4162.0	37.2	1.0	38.2	74.0	-35.8	Peak	Vertical
*	6754.5	32.1	8.8	40.9	74.0	-33.1	Peak	Vertical
	11259.5	28.1	18.8	46.9	74.0	-27.1	Peak	Vertical
*	16793.0	26.9	23.7	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (103.5dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	3992.0	37.6	0.4	38.0	74.0	-36.0	Peak	Horizontal
*	7077.5	31.9	11.3	43.2	79.2	-36.0	Peak	Horizontal
	10962.0	29.4	18.4	47.8	74.0	-26.2	Peak	Horizontal
*	17022.5	27.4	24.6	52.0	79.2	-27.2	Peak	Horizontal
	4060.0	37.1	0.6	37.7	74.0	-36.3	Peak	Vertical
*	6678.0	33.1	8.7	41.8	79.2	-37.4	Peak	Vertical
	11616.5	27.3	19.4	46.7	74.0	-27.3	Peak	Vertical
*	16878.0	26.4	24.1	50.5	79.2	-28.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.2dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 2	Test Site:	AC1
Test Channel:	09	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4000.5	37.2	0.4	37.6	74.0	-36.4	Peak	Horizontal
*	6669.5	33.1	8.7	41.8	74.1	-32.3	Peak	Horizontal
	10945.0	29.0	18.4	47.4	74.0	-26.6	Peak	Horizontal
*	16818.5	26.8	23.8	50.6	74.1	-23.5	Peak	Horizontal
	3983.5	37.0	0.4	37.4	74.0	-36.6	Peak	Vertical
*	6499.5	33.1	8.4	41.5	74.1	-32.6	Peak	Vertical
	11123.5	29.2	18.6	47.8	74.0	-26.2	Peak	Vertical
*	17005.5	26.6	24.6	51.2	74.1	-22.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (104.1dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 3	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4145.0	37.5	0.9	38.4	74.0	-35.6	Peak	Horizontal
*	6559.0	33.5	8.6	42.1	75.9	-33.8	Peak	Horizontal
	10979.0	29.6	18.5	48.1	74.0	-25.9	Peak	Horizontal
*	16725.0	28.0	23.2	51.2	75.9	-24.7	Peak	Horizontal
	3992.0	36.2	0.4	36.6	74.0	-37.4	Peak	Vertical
*	6882.0	32.9	9.7	42.6	75.9	-33.3	Peak	Vertical
	10885.5	28.7	18.3	47.0	74.0	-27.0	Peak	Vertical
*	17090.5	25.5	24.8	50.3	75.9	-25.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (105.9dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4136.5	37.5	0.9	38.4	74.0	-35.6	Peak	Horizontal
*	6652.5	32.4	8.7	41.1	76.5	-35.4	Peak	Horizontal
	10962.0	28.1	18.4	46.5	74.0	-27.5	Peak	Horizontal
*	17031.0	26.6	24.6	51.2	76.5	-25.3	Peak	Horizontal
	3983.5	36.5	0.4	36.9	74.0	-37.1	Peak	Vertical
*	6593.0	33.2	8.7	41.9	76.5	-34.6	Peak	Vertical
	11361.5	27.5	19.0	46.5	74.0	-27.5	Peak	Vertical
*	17379.5	25.1	26.4	51.5	76.5	-25.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.5dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 3	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4162.0	37.1	1.0	38.1	74.0	-35.9	Peak	Horizontal
*	6975.5	32.8	10.4	43.2	76.0	-32.8	Peak	Horizontal
	11047.0	29.6	18.5	48.1	74.0	-25.9	Peak	Horizontal
*	16640.0	27.7	22.7	50.4	76.0	-25.6	Peak	Horizontal
	3898.5	38.6	0.3	38.9	74.0	-35.1	Peak	Vertical
*	6253.0	34.7	7.0	41.7	76.0	-34.3	Peak	Vertical
	11047.0	29.1	18.5	47.6	74.0	-26.4	Peak	Vertical
*	16886.5	27.0	24.1	51.1	76.0	-24.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.0dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 3	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4077.0	37.8	0.6	38.4	74.0	-35.6	Peak	Horizontal
*	6865.0	32.6	9.5	42.1	77.8	-35.7	Peak	Horizontal
	10979.0	29.8	18.5	48.3	74.0	-25.7	Peak	Horizontal
*	17014.0	27.1	24.6	51.7	77.8	-26.1	Peak	Horizontal
	4060.0	35.6	0.6	36.2	74.0	-37.8	Peak	Vertical
*	6984.0	31.7	10.4	42.1	77.8	-35.7	Peak	Vertical
	10860.0	28.7	18.2	46.9	74.0	-27.1	Peak	Vertical
*	16657.0	26.1	22.8	48.9	77.8	-28.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (107.8dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4060.0	37.8	0.6	38.4	74.0	-35.6	Peak	Horizontal
*	7077.5	32.3	11.3	43.6	78.2	-34.6	Peak	Horizontal
	10953.5	29.6	18.4	48.0	74.0	-26.0	Peak	Horizontal
*	16878.0	27.0	24.1	51.1	78.2	-27.1	Peak	Horizontal
	4060.0	37.4	0.6	38.0	74.0	-36.0	Peak	Vertical
*	6882.0	32.8	9.7	42.5	78.2	-35.7	Peak	Vertical
	11565.5	28.1	19.5	47.6	74.0	-26.4	Peak	Vertical
*	16776.0	26.6	23.5	50.1	78.2	-28.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.2dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 3	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4068.5	37.3	0.6	37.9	74.0	-36.1	Peak	Horizontal
*	6873.5	32.3	9.6	41.9	79.8	-37.9	Peak	Horizontal
	10953.5	28.6	18.4	47.0	74.0	-27.0	Peak	Horizontal
*	17065.0	26.5	24.7	51.2	79.8	-28.6	Peak	Horizontal
	4043.0	36.9	0.5	37.4	74.0	-36.6	Peak	Vertical
*	6737.5	33.8	8.8	42.6	79.8	-37.2	Peak	Vertical
	10953.5	29.7	18.4	48.1	74.0	-25.9	Peak	Vertical
*	16835.5	26.9	23.9	50.8	79.8	-29.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.8dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 3	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4077.0	37.5	0.6	38.1	74.0	-35.9	Peak	Horizontal
*	6567.5	33.4	8.6	42.0	78.9	-36.9	Peak	Horizontal
	11574.0	28.2	19.5	47.7	74.0	-26.3	Peak	Horizontal
*	16716.5	27.3	23.1	50.4	78.9	-28.5	Peak	Horizontal
	4068.5	36.7	0.6	37.3	74.0	-36.7	Peak	Vertical
*	6822.5	32.0	9.2	41.2	78.9	-37.7	Peak	Vertical
	10936.5	28.1	18.4	46.5	74.0	-27.5	Peak	Vertical
*	16818.5	26.0	23.8	49.8	78.9	-29.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.9dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	3898.5	38.0	0.3	38.3	74.0	-35.7	Peak	Horizontal
*	6865.0	33.0	9.5	42.5	79.8	-37.3	Peak	Horizontal
	11565.5	27.9	19.5	47.4	74.0	-26.6	Peak	Horizontal
*	16937.5	25.9	24.4	50.3	79.8	-29.5	Peak	Horizontal
	3643.5	37.1	0.0	37.1	74.0	-36.9	Peak	Vertical
*	6032.0	33.6	6.2	39.8	79.8	-40.0	Peak	Vertical
	10877.0	26.3	18.2	44.5	74.0	-29.5	Peak	Vertical
*	17260.5	25.2	25.6	50.8	79.8	-29.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.8dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 3	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	3813.5	38.4	0.3	38.7	74.0	-35.3	Peak	Horizontal
*	6261.5	33.6	7.0	40.6	80.0	-39.4	Peak	Horizontal
	11081.0	29.2	18.6	47.8	74.0	-26.2	Peak	Horizontal
*	17090.5	26.2	24.8	51.0	80.0	-29.0	Peak	Horizontal
	4060.0	37.5	0.6	38.1	74.0	-35.9	Peak	Vertical
*	6610.0	32.6	8.7	41.3	80.0	-38.7	Peak	Vertical
	10724.0	28.2	17.6	45.8	74.0	-28.2	Peak	Vertical
*	17277.5	25.9	25.7	51.6	80.0	-28.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.0dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 3	Test Site:	AC1
Test Channel:	03	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4068.5	36.6	0.6	37.2	74.0	-36.8	Peak	Horizontal
*	6491.0	32.6	8.3	40.9	76.3	-35.4	Peak	Horizontal
	11055.5	28.8	18.5	47.3	74.0	-26.7	Peak	Horizontal
*	16682.5	26.6	22.9	49.5	76.3	-26.8	Peak	Horizontal
	4162.0	37.1	1.0	38.1	74.0	-35.9	Peak	Vertical
*	6882.0	32.1	9.7	41.8	76.3	-34.5	Peak	Vertical
	11064.0	29.2	18.5	47.7	74.0	-26.3	Peak	Vertical
*	17116.0	25.2	24.9	50.1	76.3	-26.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.3dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4247.0	35.9	1.3	37.2	74.0	-36.8	Peak	Horizontal
*	6984.0	32.1	10.4	42.5	77.3	-34.8	Peak	Horizontal
	11242.5	27.7	18.8	46.5	74.0	-27.5	Peak	Horizontal
*	17328.5	24.5	26.0	50.5	77.3	-26.8	Peak	Horizontal
	4332.0	36.5	1.7	38.2	74.0	-35.8	Peak	Vertical
*	6491.0	32.7	8.3	41.0	77.3	-36.3	Peak	Vertical
	10749.5	29.7	17.7	47.4	74.0	-26.6	Peak	Vertical
*	16937.5	25.8	24.4	50.2	77.3	-27.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (107.3dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 3	Test Site:	AC1
Test Channel:	09	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4238.5	37.6	1.3	38.9	74.0	-35.1	Peak	Horizontal
*	6389.0	33.6	7.6	41.2	75.9	-34.7	Peak	Horizontal
	11344.5	28.5	19.0	47.5	74.0	-26.5	Peak	Horizontal
*	17056.5	26.7	24.7	51.4	75.9	-24.5	Peak	Horizontal
	3898.5	37.1	0.3	37.4	74.0	-36.6	Peak	Vertical
*	6958.5	33.5	10.2	43.7	75.9	-32.2	Peak	Vertical
	10945.0	29.1	18.4	47.5	74.0	-26.5	Peak	Vertical
*	16988.5	26.0	24.5	50.5	75.9	-25.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (105.9dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	3890.0	37.3	0.3	37.6	74.0	-36.4	Peak	Horizontal
*	6287.0	33.5	7.1	40.6	82.5	-41.9	Peak	Horizontal
	11038.5	28.9	18.5	47.4	74.0	-26.6	Peak	Horizontal
*	17439.0	25.3	26.7	52.0	82.5	-30.5	Peak	Horizontal
	3992.0	36.4	0.4	36.8	74.0	-37.2	Peak	Vertical
*	6414.5	31.7	7.8	39.5	82.5	-43.0	Peak	Vertical
	10970.5	27.2	18.4	45.6	74.0	-28.4	Peak	Vertical
*	16852.5	27.1	24.0	51.1	82.5	-31.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.5dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4153.5	37.3	0.9	38.2	74.0	-35.8	Peak	Horizontal
*	6593.0	32.6	8.7	41.3	83.2	-41.9	Peak	Horizontal
	11633.5	27.7	19.4	47.1	74.0	-26.9	Peak	Horizontal
*	17286.0	24.4	25.8	50.2	83.2	-33.0	Peak	Horizontal
	4332.0	36.9	1.7	38.6	74.0	-35.4	Peak	Vertical
*	6882.0	31.8	9.7	41.5	83.2	-41.7	Peak	Vertical
	11344.5	27.5	19.0	46.5	74.0	-27.5	Peak	Vertical
*	16971.5	25.4	24.5	49.9	83.2	-33.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.2dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4060.0	37.0	0.6	37.6	74.0	-36.4	Peak	Horizontal
*	6397.5	32.8	7.7	40.5	81.0	-40.5	Peak	Horizontal
	11251.0	27.6	18.8	46.4	74.0	-27.6	Peak	Horizontal
*	16895.0	26.3	24.2	50.5	81.0	-30.5	Peak	Horizontal
	3898.5	38.2	0.3	38.5	74.0	-35.5	Peak	Vertical
*	6559.0	32.2	8.6	40.8	81.0	-40.2	Peak	Vertical
	11038.5	28.9	18.5	47.4	74.0	-26.6	Peak	Vertical
*	17549.5	23.9	27.4	51.3	81.0	-29.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.0dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	3813.5	36.5	0.3	36.8	74.0	-37.2	Peak	Horizontal
*	6380.5	33.0	7.6	40.6	84.1	-43.5	Peak	Horizontal
	10817.5	29.2	18.0	47.2	74.0	-26.8	Peak	Horizontal
*	17668.5	23.8	28.4	52.2	81.4	-29.2	Peak	Horizontal
	3992.0	38.0	0.4	38.4	74.0	-35.6	Peak	Vertical
*	6499.5	33.8	8.4	42.2	84.1	-41.9	Peak	Vertical
	11038.5	29.8	18.5	48.3	74.0	-25.7	Peak	Vertical
*	17541.0	25.7	27.4	53.1	84.1	-31.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.1dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4153.5	37.3	0.9	38.2	74.0	-35.8	Peak	Horizontal
*	6465.5	32.7	8.1	40.8	89.2	-48.4	Peak	Horizontal
	11557.0	27.1	19.5	46.6	74.0	-27.4	Peak	Horizontal
*	17447.5	25.0	26.7	51.7	89.2	-37.5	Peak	Horizontal
	4170.5	35.9	1.0	36.9	74.0	-37.1	Peak	Vertical
*	6304.0	33.1	7.2	40.3	89.2	-48.9	Peak	Vertical
	11455.0	27.6	19.2	46.8	74.0	-27.2	Peak	Vertical
*	17600.5	24.4	27.7	52.1	89.2	-37.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (119.2dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	3822.0	37.4	0.3	37.7	74.0	-36.3	Peak	Horizontal
*	6669.5	32.8	8.7	41.5	87.1	-45.6	Peak	Horizontal
	11038.5	29.2	18.5	47.7	74.0	-26.3	Peak	Horizontal
*	17388.0	24.9	26.4	51.3	87.1	-35.8	Peak	Horizontal
	4077.0	35.8	0.6	36.4	74.0	-37.6	Peak	Vertical
*	6584.5	32.4	8.6	41.0	87.1	-46.1	Peak	Vertical
	11140.5	27.8	18.7	46.5	74.0	-27.5	Peak	Vertical
*	17277.5	25.0	25.7	50.7	87.1	-36.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (117.1dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4332.0	35.9	1.7	37.6	74.0	-36.4	Peak	Horizontal
*	6975.5	32.3	10.4	42.7	82.3	-39.6	Peak	Horizontal
	11132.0	28.0	18.6	46.6	74.0	-27.4	Peak	Horizontal
*	17345.5	25.3	26.1	51.4	82.3	-30.9	Peak	Horizontal
	4051.5	37.5	0.5	38.0	74.0	-36.0	Peak	Vertical
*	6584.5	32.5	8.6	41.1	82.3	-41.2	Peak	Vertical
	11574.0	27.4	19.5	46.9	74.0	-27.1	Peak	Vertical
*	17082.0	25.9	24.8	50.7	82.3	-31.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.3dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4170.5	36.9	1.0	37.9	74.0	-36.1	Peak	Horizontal
*	6967.0	32.7	10.3	43.0	87.3	-44.3	Peak	Horizontal
	11965.0	27.6	18.6	46.2	74.0	-27.8	Peak	Horizontal
*	16810.0	26.4	23.8	50.2	87.3	-37.1	Peak	Horizontal
	4060.0	36.7	0.6	37.3	74.0	-36.7	Peak	Vertical
*	6601.5	32.3	8.7	41.0	87.3	-46.3	Peak	Vertical
	11752.5	27.2	18.9	46.1	74.0	-27.9	Peak	Vertical
*	16810.0	26.1	23.8	49.9	87.3	-37.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (117.3dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4332.0	35.9	1.7	37.6	74.0	-36.4	Peak	Horizontal
*	6185.0	31.1	6.8	37.9	86.7	-48.8	Peak	Horizontal
	11081.0	28.7	18.6	47.3	74.0	-26.7	Peak	Horizontal
*	16869.5	24.2	24.1	48.3	86.7	-38.4	Peak	Horizontal
	4153.5	36.4	0.9	37.3	74.0	-36.7	Peak	Vertical
*	6006.5	33.9	6.1	40.0	83.7	-43.7	Peak	Vertical
	11463.5	27.3	19.3	46.6	74.0	-27.4	Peak	Vertical
*	17354.0	24.8	26.2	51.0	86.7	-35.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (116.7dBµV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	03	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4145.0	37.3	0.9	38.2	74.0	-35.8	Peak	Horizontal
*	6516.5	32.4	8.5	40.9	76.8	-35.9	Peak	Horizontal
	11251.0	28.5	18.8	47.3	74.0	-26.7	Peak	Horizontal
*	16835.5	26.4	23.9	50.3	76.8	-26.5	Peak	Horizontal
	4255.5	35.1	1.4	36.5	74.0	-37.5	Peak	Vertical
*	6108.5	33.4	6.5	39.9	76.8	-36.9	Peak	Vertical
	11540.0	27.1	19.4	46.5	74.0	-27.5	Peak	Vertical
*	16835.5	25.8	23.9	49.7	76.8	-27.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.8dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	4162.0	37.0	1.0	38.0	74.0	-36.0	Peak	Horizontal
*	6491.0	33.2	8.3	41.5	80.2	-38.7	Peak	Horizontal
	11021.5	28.2	18.5	46.7	74.0	-27.3	Peak	Horizontal
*	16699.5	27.0	23.0	50.0	80.2	-30.2	Peak	Horizontal
	4051.5	35.5	0.5	36.0	74.0	-38.0	Peak	Vertical
*	6108.5	34.1	6.5	40.6	80.2	-39.6	Peak	Vertical
	11276.5	27.9	18.8	46.7	74.0	-27.3	Peak	Vertical
*	17481.5	25.2	26.9	52.1	80.2	-28.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.2dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	09	Test Engineer:	Kevin Ker
Antenna Model No.	Galtronics Small Omni		
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
	3975.0	35.4	0.4	35.8	74.0	-38.2	Peak	Horizontal
*	6567.5	32.1	8.6	40.7	79.7	-39.0	Peak	Horizontal
	11064.0	28.0	18.5	46.5	74.0	-27.5	Peak	Horizontal
*	16886.5	26.1	24.1	50.2	79.7	-29.5	Peak	Horizontal
	4255.5	35.9	1.4	37.3	74.0	-36.7	Peak	Vertical
*	6304.0	33.1	7.2	40.3	79.7	-39.4	Peak	Vertical
	10885.5	29.1	18.3	47.4	74.0	-26.6	Peak	Vertical
*	17439.0	25.0	26.7	51.7	79.7	-28.0	Peak	Vertical

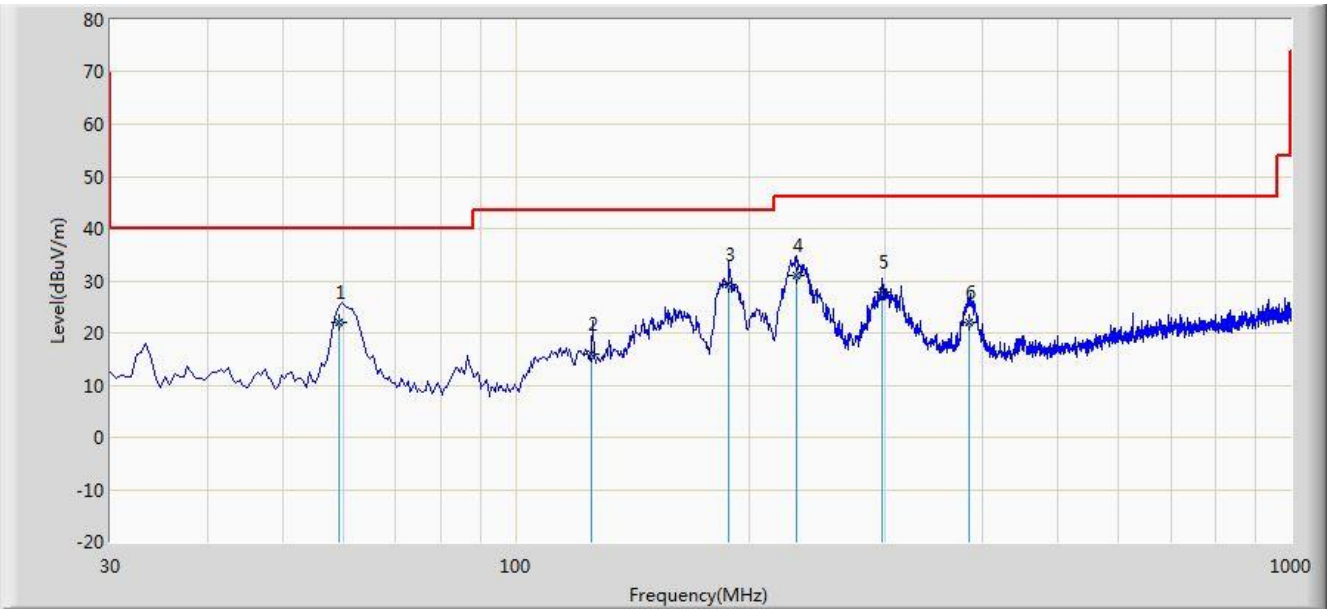
Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.7dBμV/m) or FCC 15.209 which is higher.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2016/12/03 - 16:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: Wi-Fi AP 4x4 OD small omni antenna US	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz.	

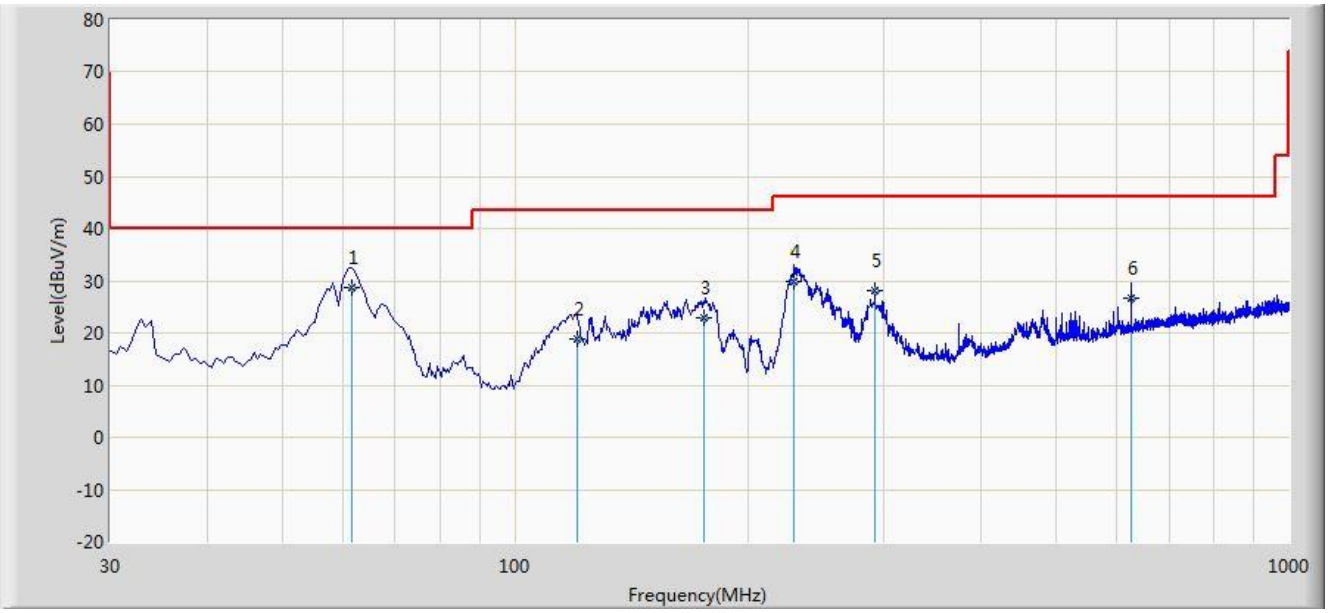


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			59.152	21.944	8.526	-18.056	40.000	13.418	QP
2			125.415	15.994	2.526	-27.506	43.500	13.468	QP
3		*	188.526	29.319	17.523	-14.181	43.500	11.796	QP
4			230.415	30.926	18.415	-15.074	46.000	12.511	QP
5			297.485	27.757	13.520	-18.243	46.000	14.236	QP
6			385.052	21.955	5.749	-24.045	46.000	16.206	QP

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

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

Site: AC1	Time: 2016/12/03 - 16:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: Wi-Fi AP 4x4 OD small omni antenna US	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz.	

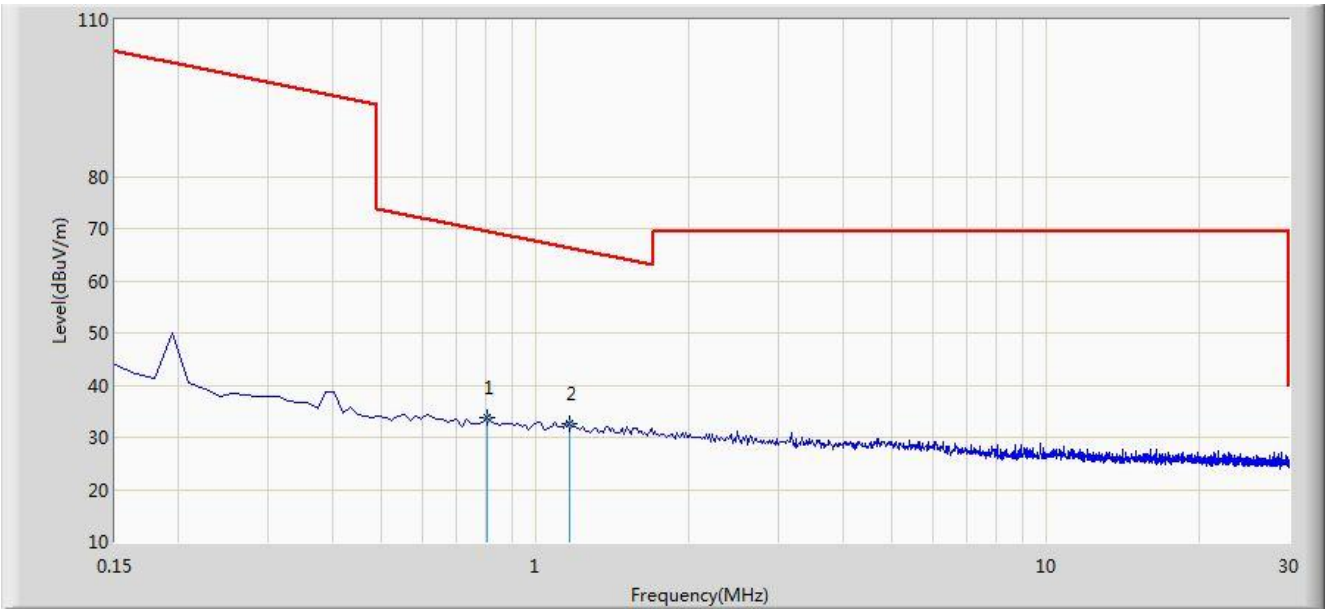


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	61.528	28.604	15.526	-11.396	40.000	13.079	QP
2			120.415	18.778	5.630	-24.722	43.500	13.148	QP
3			175.825	22.992	9.563	-20.508	43.500	13.429	QP
4			229.345	29.884	17.415	-16.116	46.000	12.468	QP
5			292.415	28.216	14.120	-17.784	46.000	14.096	QP
6			625.745	26.557	5.523	-19.443	46.000	21.034	QP

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

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

Site: AC1	Time: 2016/12/01 - 18:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: FMZB1519_0.009-30MHz	Polarity: Horizontal
EUT: Wi-Fi AP 4x4 OD small omni antenna US	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

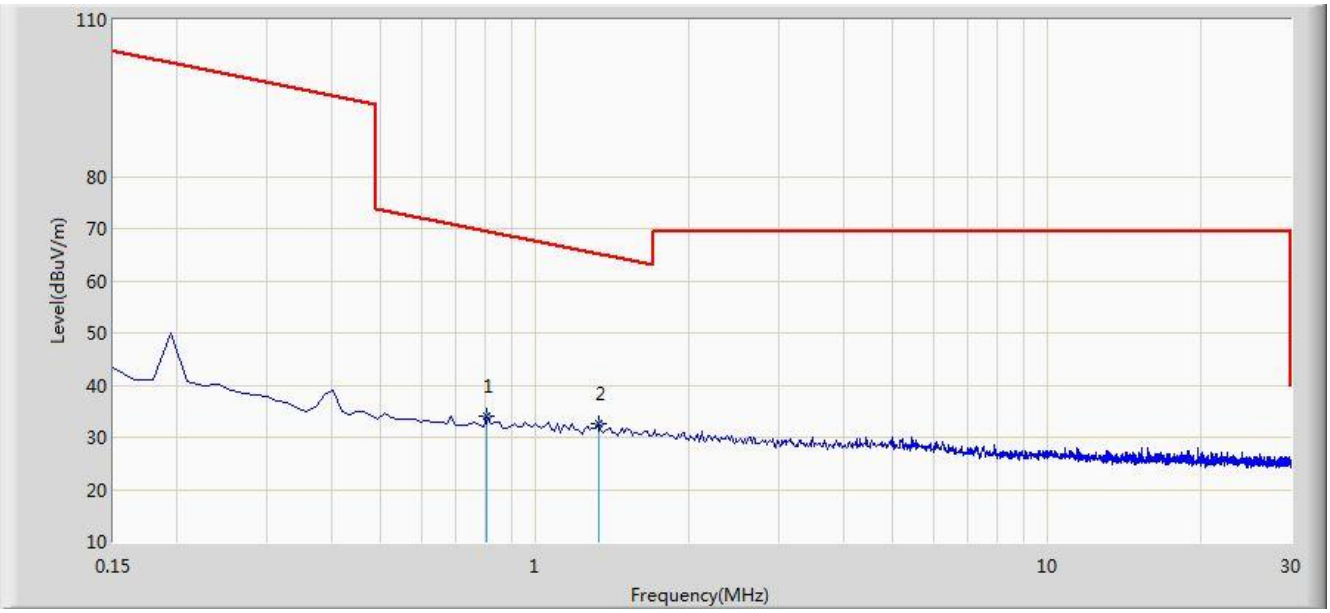


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.807	33.668	13.096	-35.810	69.479	20.572	QP
2		*	1.165	32.565	12.050	-33.734	66.299	20.515	QP

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

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

Site: AC1	Time: 2016/12/01 - 18:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: FMZB1519_0.009-30MHz	Polarity: Horizontal
EUT: Wi-Fi AP 4x4 OD small omni antenna US	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

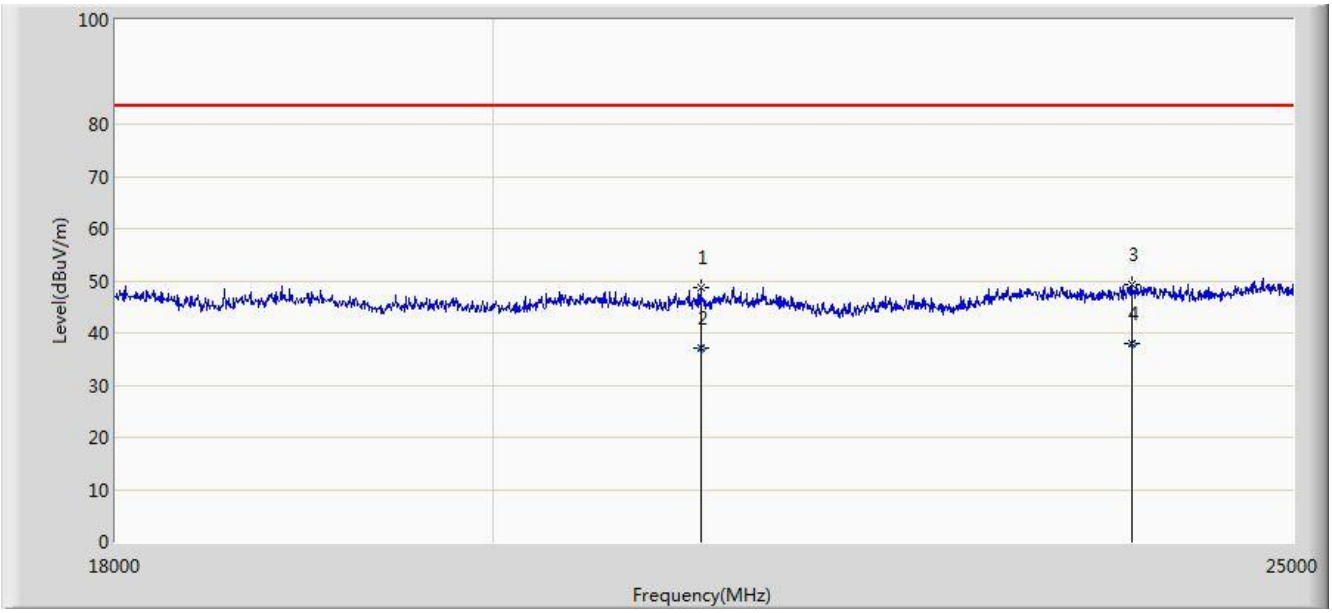


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.807	34.000	13.428	-35.478	69.479	20.572	QP
2		*	1.329	32.627	12.133	-32.531	65.158	20.494	QP

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

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

Site: AC1	Time: 2016/12/03 - 14:34
Limit: FCC_Part15.407_RE(1m)	Engineer: Kevin Ker
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: Wi-Fi AP 4x4 OD small omni antenna US	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~25GHz.	

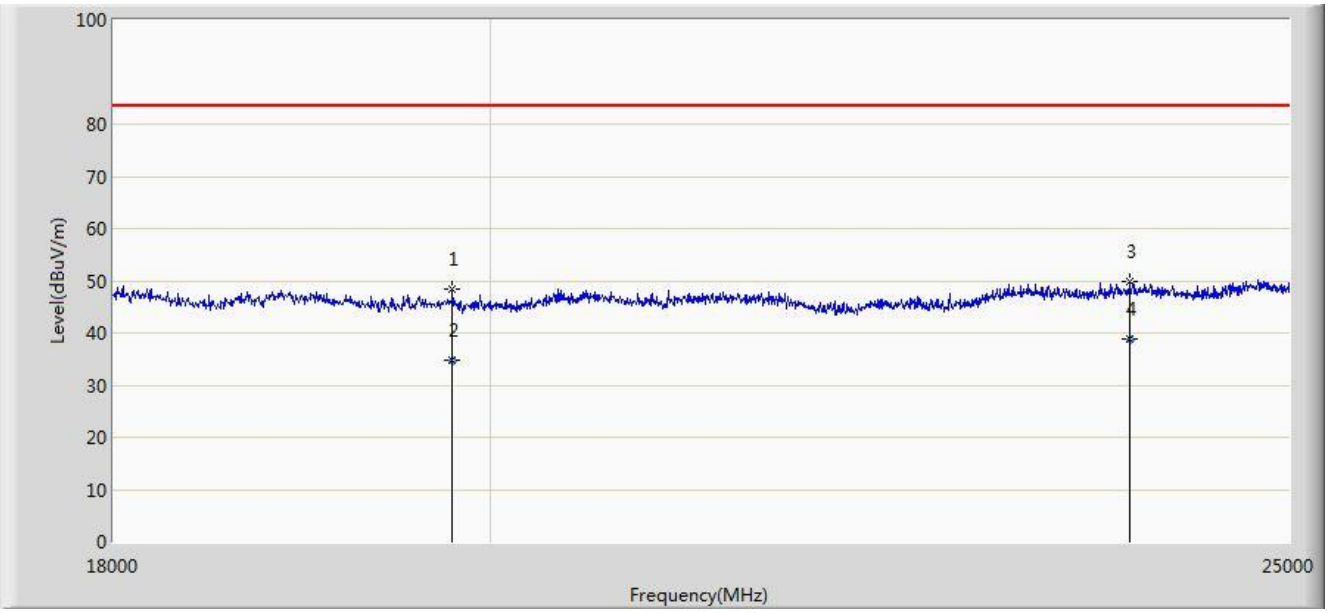


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			21191.750	48.648	41.004	-34.852	83.500	7.644	PK
2			21191.750	37.044	29.400	-26.456	63.500	7.644	AV
3		*	23907.500	49.256	39.019	-34.244	83.500	10.237	PK
4			23907.500	37.897	27.660	-25.603	63.500	10.237	AV

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

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

Site: AC1	Time: 2016/12/03 - 14:36
Limit: FCC_Part15.407_RE(1m)	Engineer: Kevin Ker
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: Wi-Fi AP 4x4 OD small omni antenna US	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~25GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			19789.250	48.432	40.580	-35.068	83.500	7.852	PK
2			19789.250	34.792	26.940	-28.708	63.500	7.852	AV
3		*	23916.000	49.853	39.620	-33.647	83.500	10.232	PK
4			23916.000	38.733	28.500	-24.767	63.500	10.232	AV

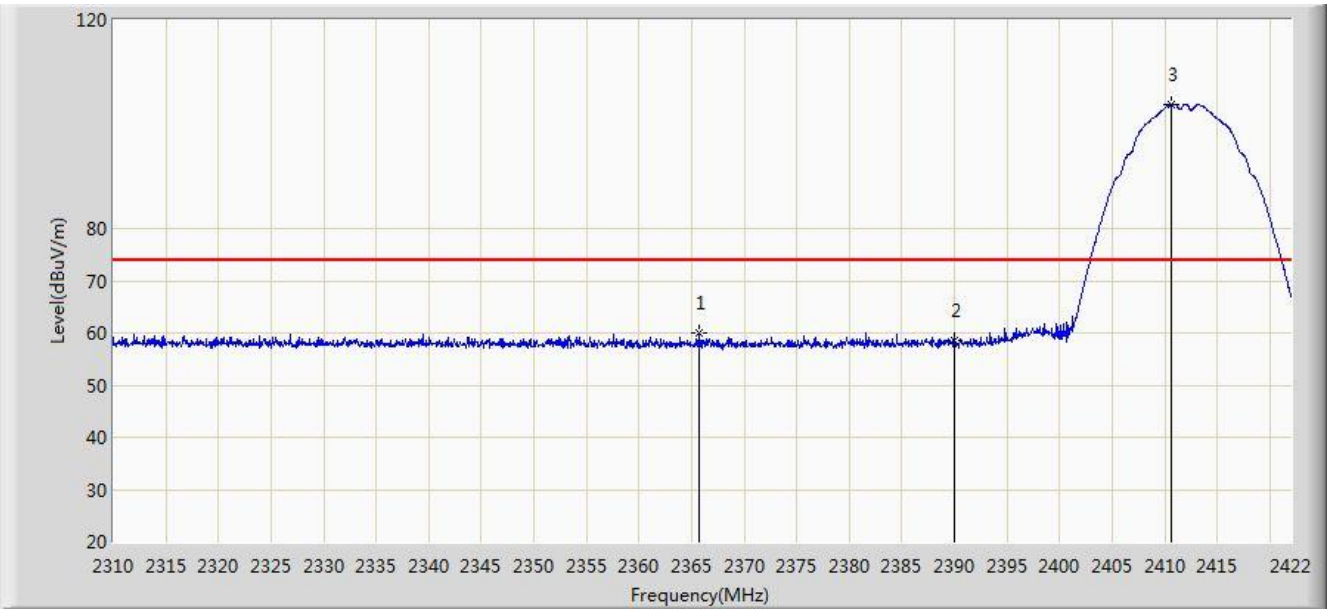
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

7.7. Radiated Restricted Band Edge Measurement

7.7.1.Test Result

Site: AC1	Time: 2017/03/18 - 15:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: Wi-Fi AP 4x4 OD small omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 0	

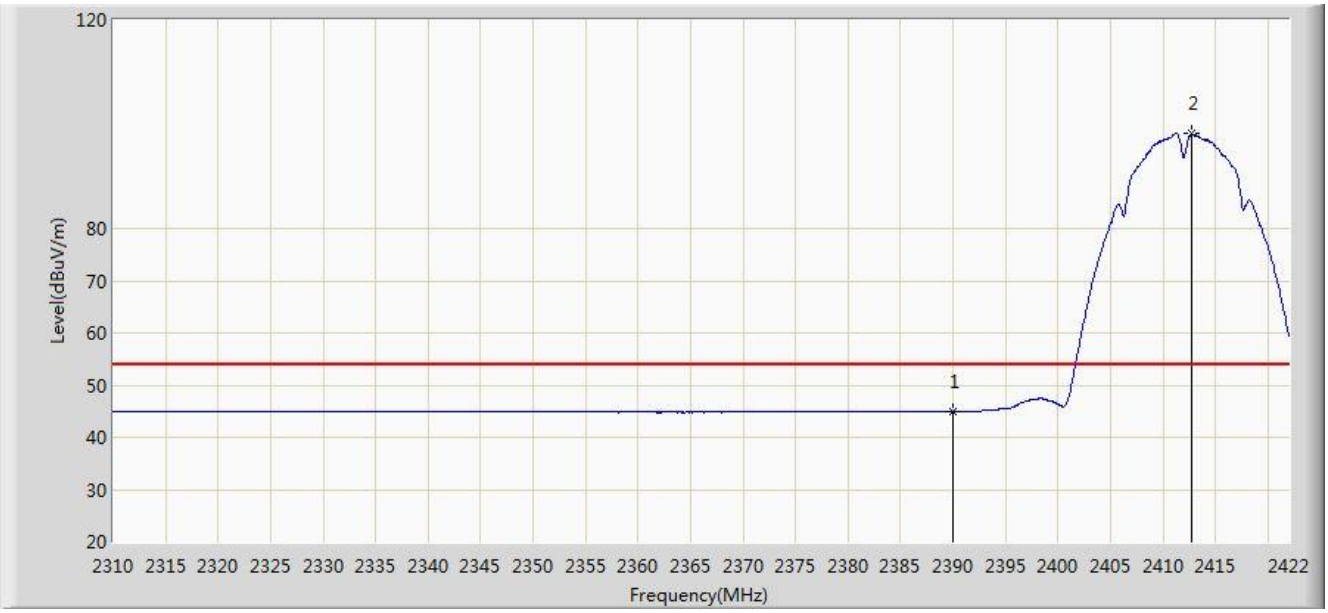


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2365.776	60.121	27.533	-13.879	74.000	32.588	PK
2			2390.000	58.444	25.890	-15.556	74.000	32.554	PK
3		*	2410.632	103.816	71.289	N/A	N/A	32.527	PK

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

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

Site: AC1	Time: 2017/03/18 - 15:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: Wi-Fi AP 4x4 OD small omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 0	

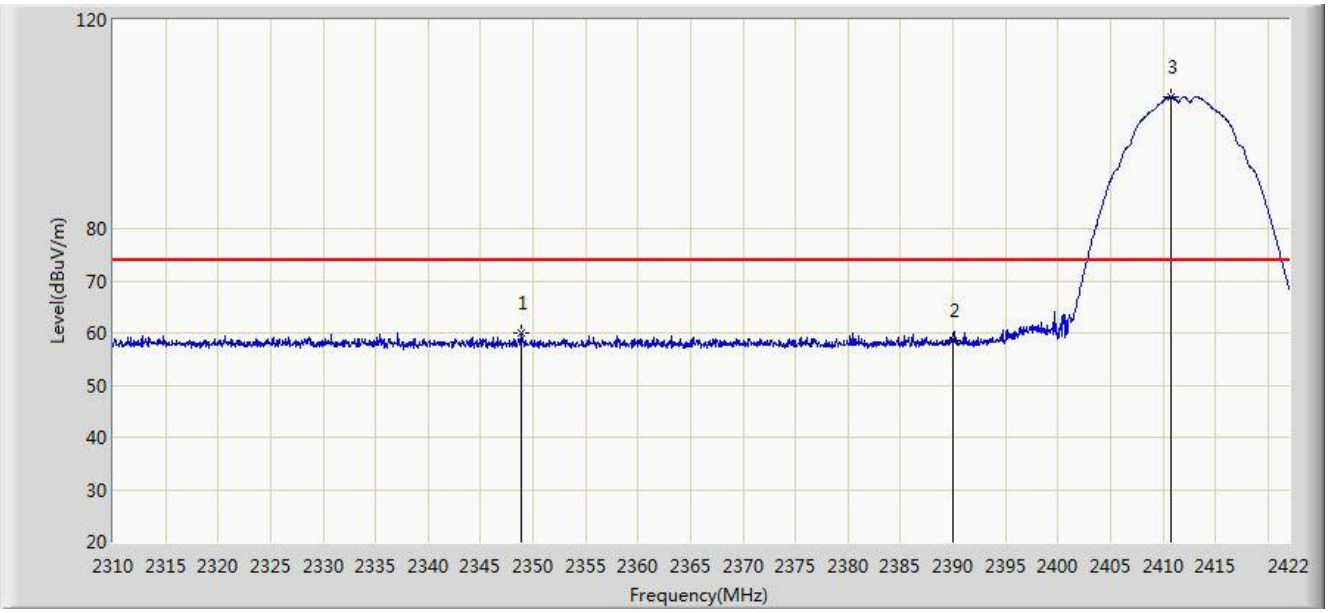


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.963	12.409	-9.037	54.000	32.554	AV
2		*	2412.760	98.134	65.609	N/A	N/A	32.525	AV

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

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

Site: AC1	Time: 2017/03/18 - 15:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: Wi-Fi AP 4x4 OD small omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 0	

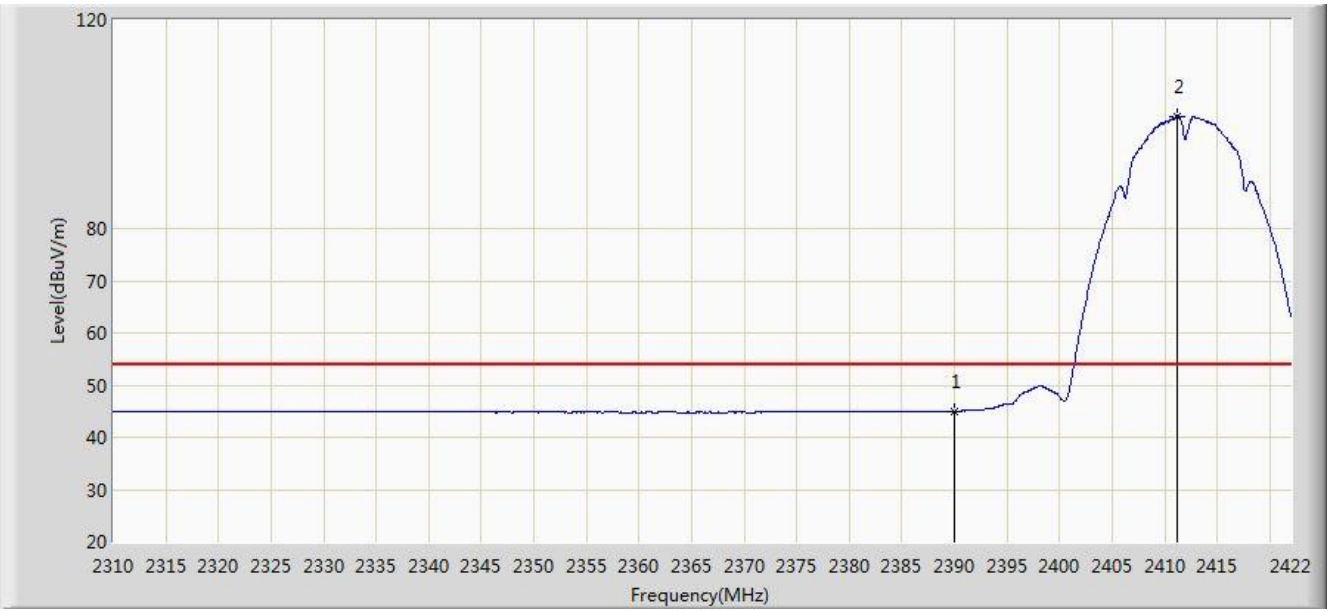


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2348.808	59.922	27.297	-14.078	74.000	32.625	PK
2			2390.000	58.603	26.049	-15.397	74.000	32.554	PK
3		*	2410.800	105.251	72.724	N/A	N/A	32.527	PK

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

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

Site: AC1	Time: 2017/03/18 - 15:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: Wi-Fi AP 4x4 OD small omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 0	

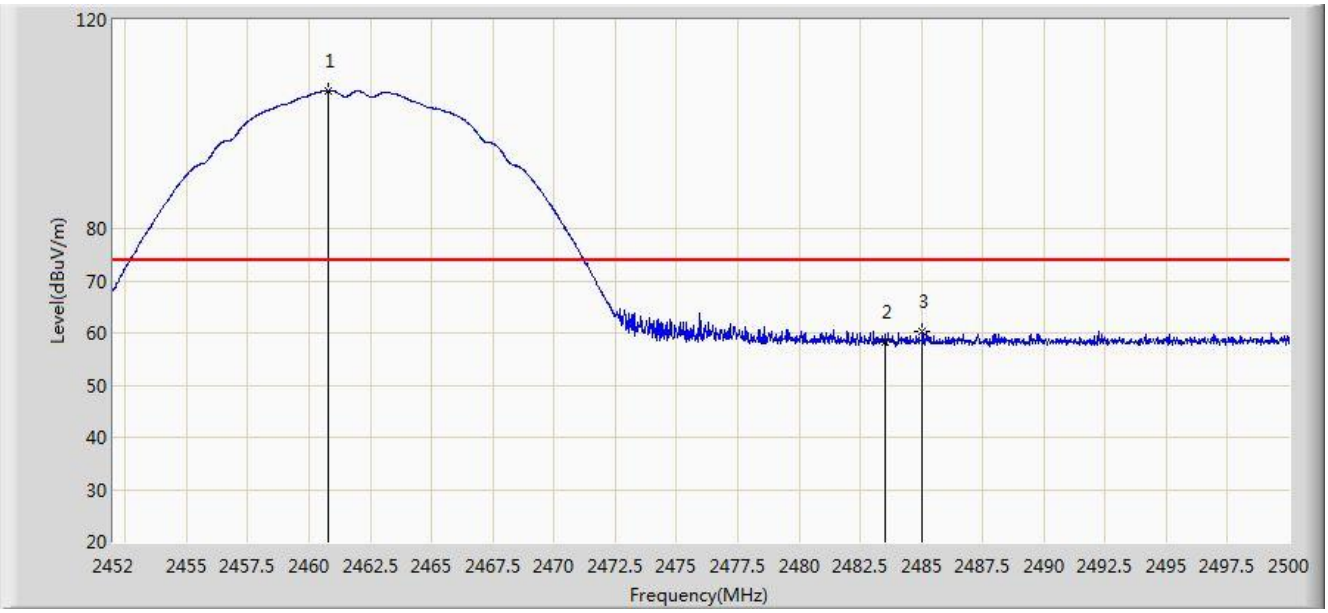


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.030	12.476	-8.970	54.000	32.554	AV
2		*	2411.136	101.573	69.046	N/A	N/A	32.527	AV

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

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

Site: AC1	Time: 2017/03/18 - 15:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: Wi-Fi AP 4x4 OD small omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.784	106.383	73.869	N/A	N/A	32.514	PK
2			2483.500	58.184	25.603	-15.816	74.000	32.580	PK
3			2485.024	60.293	27.708	-13.707	74.000	32.585	PK

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

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

Site: AC1	Time: 2017/03/18 - 15:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: Wi-Fi AP 4x4 OD small omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.312	102.866	70.351	N/A	N/A	32.516	AV
2			2483.500	45.572	12.991	-8.428	54.000	32.580	AV

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

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