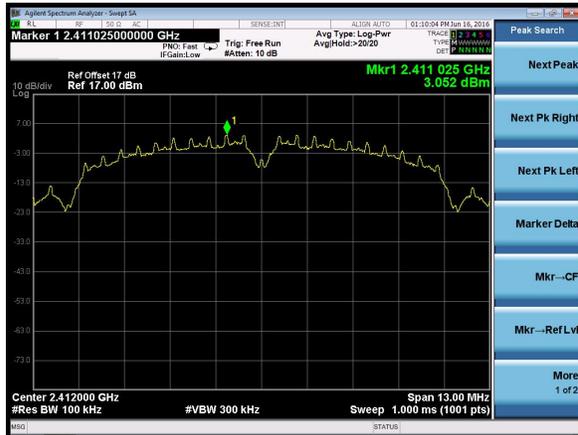


802.11b Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

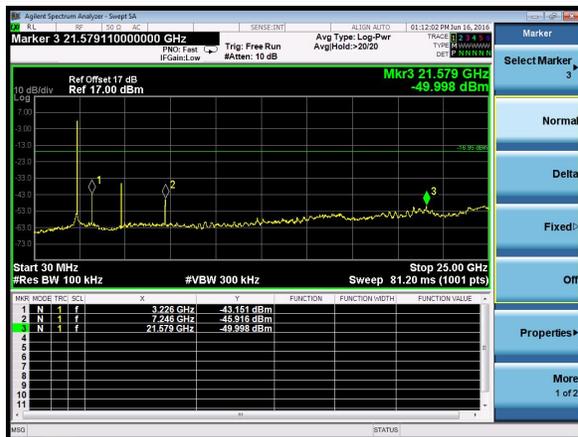
100kHz PSD Reference Level



Low Band Edge

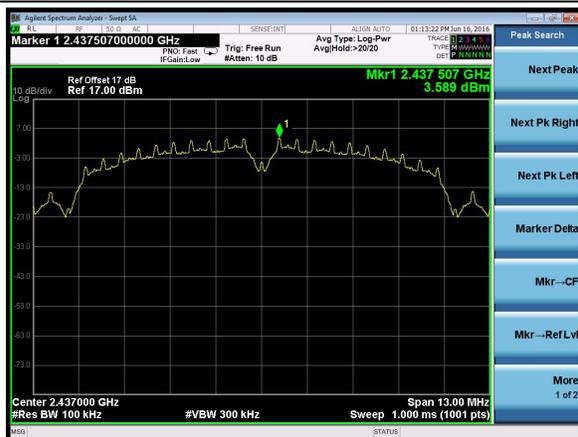


Spurious Emission

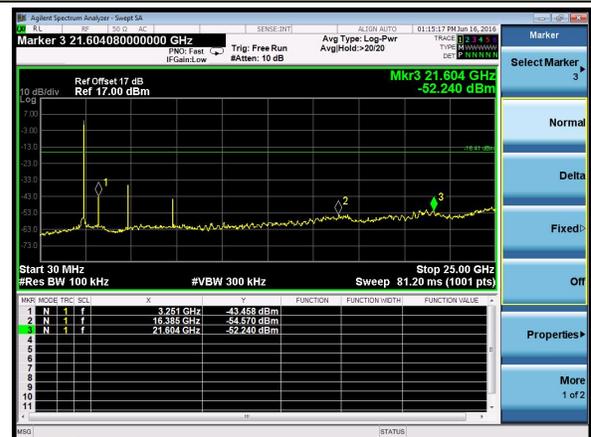


Channel 06 (2437MHz)

100kHz PSD Reference Level



Spurious Emission

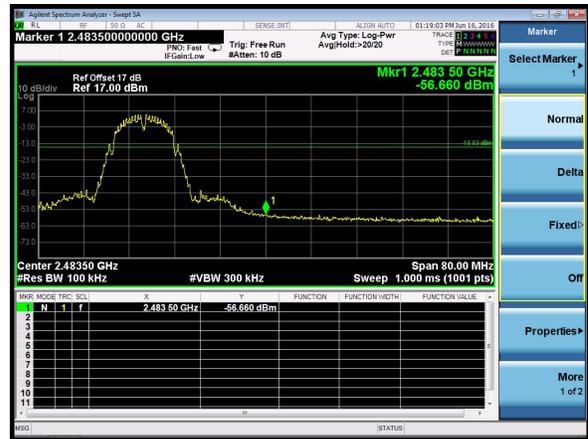


Channel 11 (2462MHz)

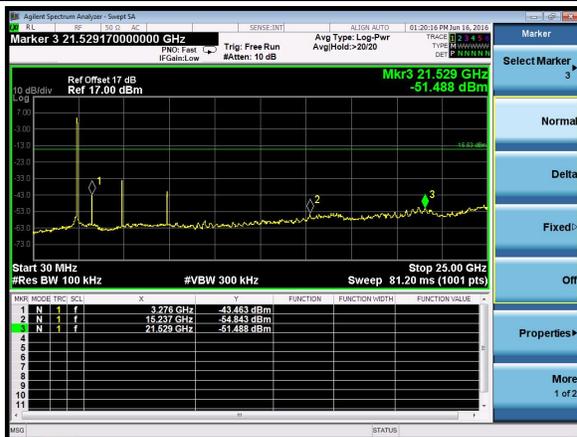
100kHz PSD Reference Level



High Band Edge



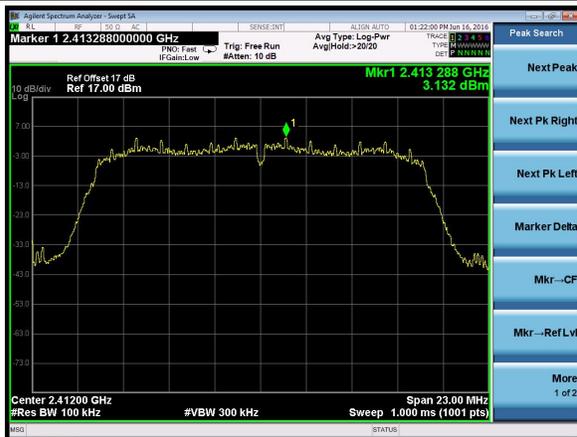
Spurious Emission



802.11g Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

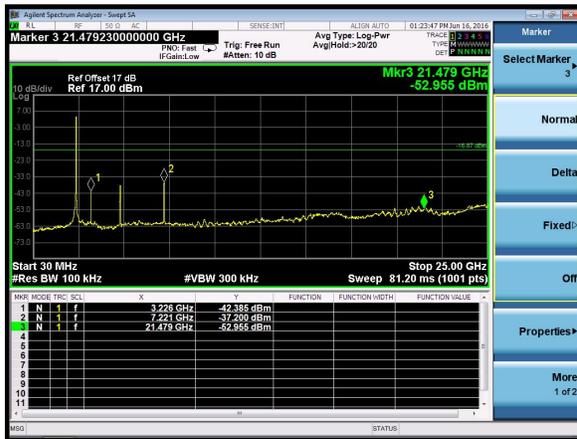
100kHz PSD Reference Level



Low Band Edge



Spurious Emission

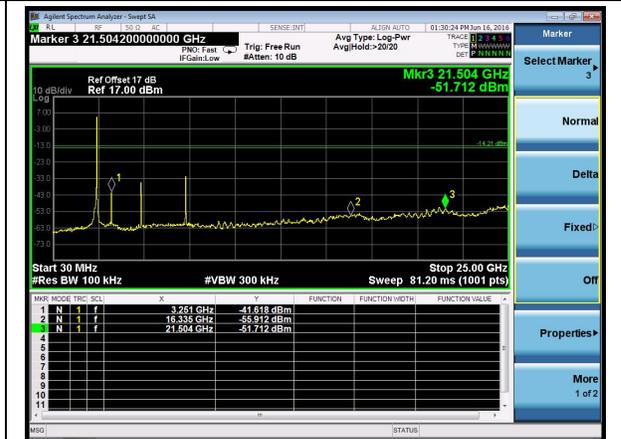


Channel 06 (2437MHz)

100kHz PSD Reference Level



Spurious Emission



Channel 11 (2462MHz)

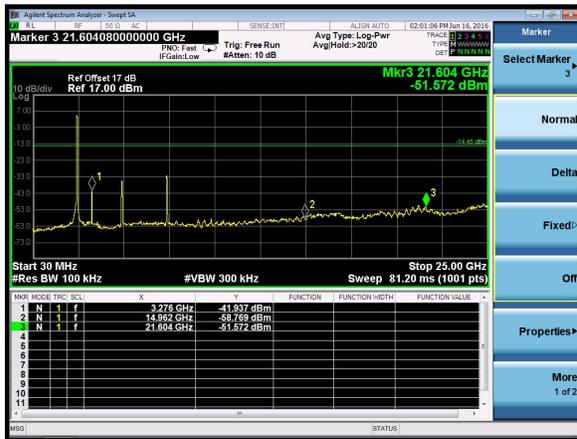
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High Band Edge



Spurious Emission



802.11n-HT20 Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

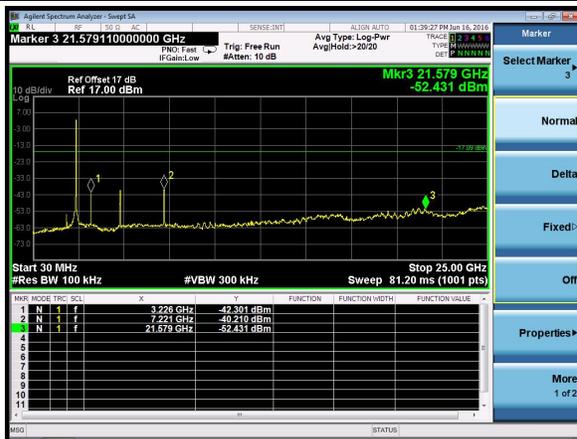
100kHz PSD Reference Level



Low Band Edge



Spurious Emission

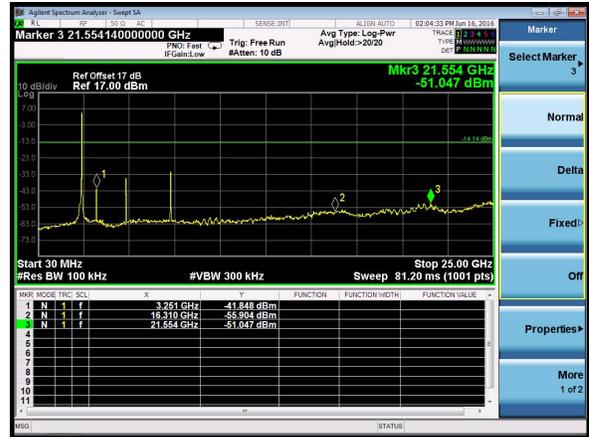


Channel 06 (2437MHz)

100kHz PSD Reference Level

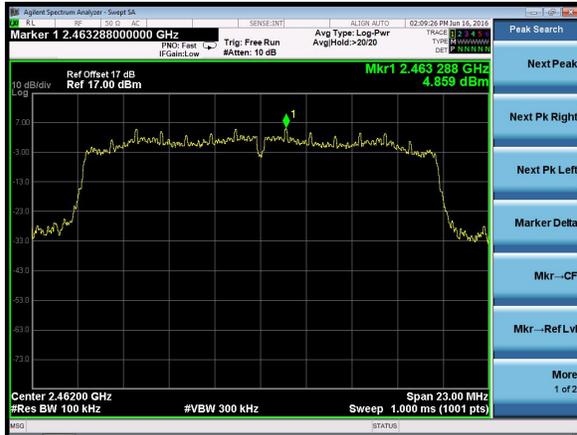


Spurious Emission



Channel 11 (2462MHz)

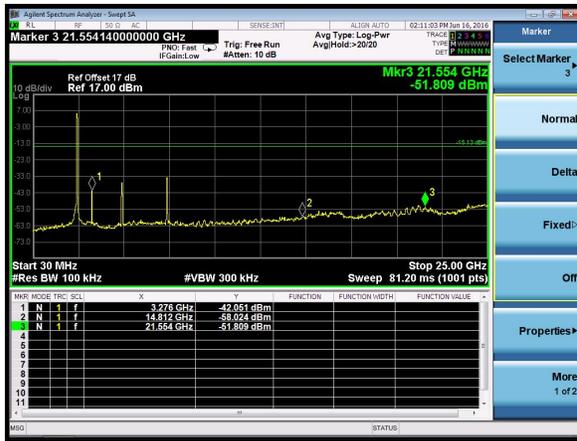
100kHz PSD Reference Level



High Band Edge



Spurious Emission



802.11n-HT40 Out-of-Band Emissions - Ant 1

Channel 03 (2422MHz)

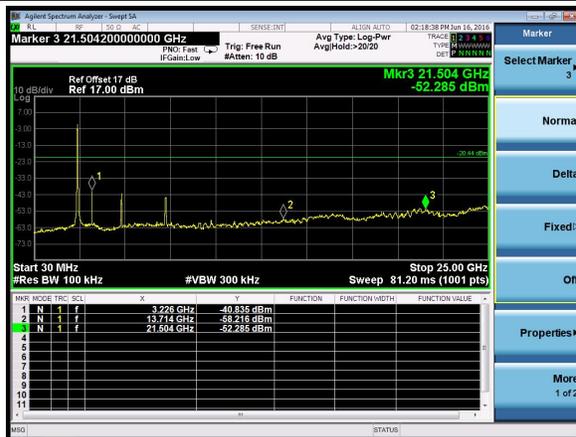
100kHz PSD Reference Level



Low Band Edge

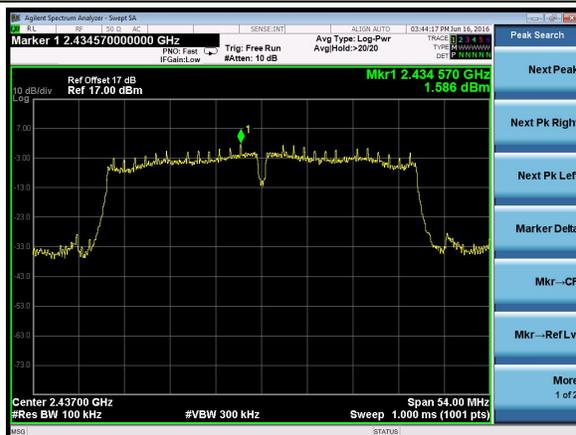


Spurious Emission

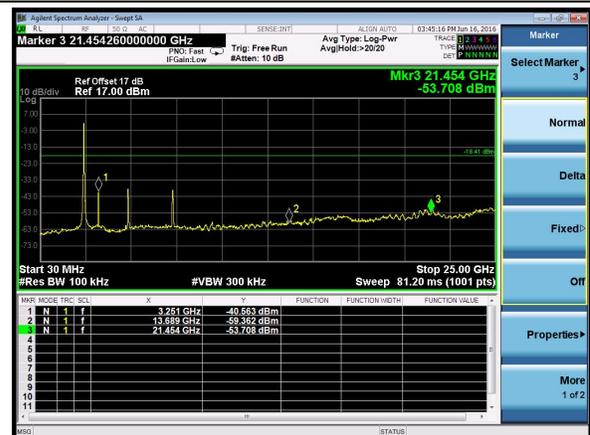


Channel 06 (2437MHz)

100kHz PSD Reference Level



Spurious Emission





802.11b Out-of-Band Emissions - Ant 2

Channel 01 (2412MHz)

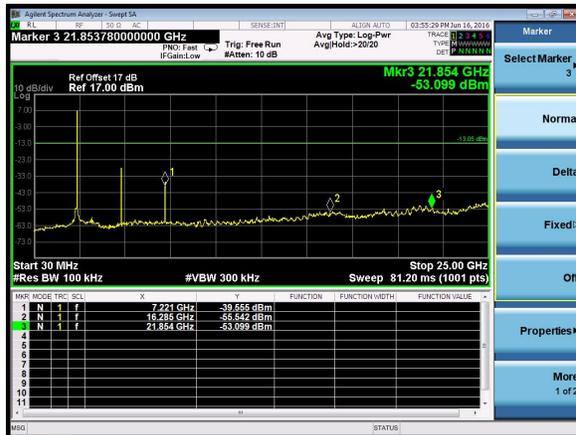
100kHz PSD Reference Level



Low Band Edge

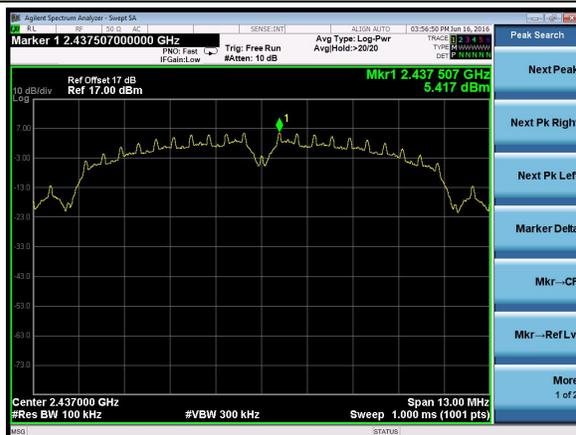


Spurious Emission

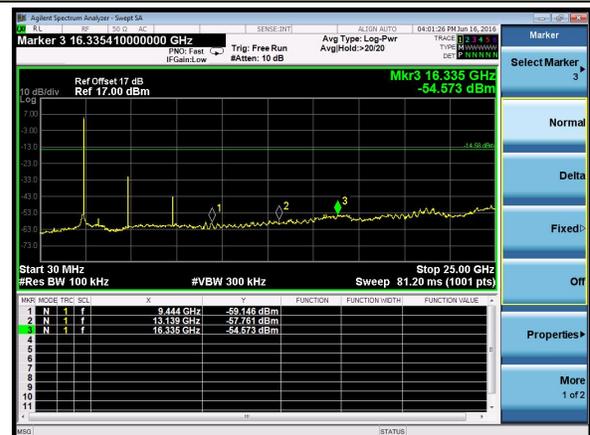


Channel 06 (2437MHz)

100kHz PSD Reference Level



Spurious Emission

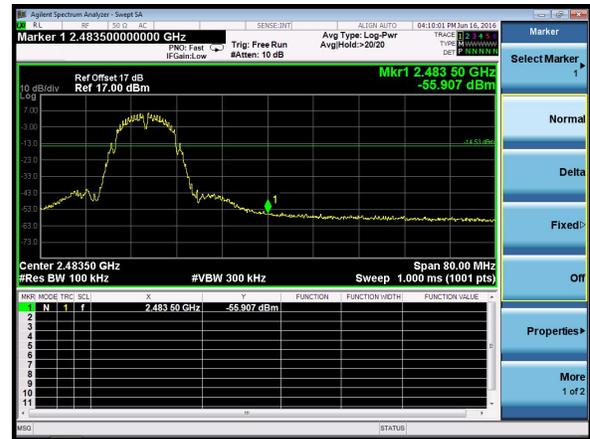


Channel 11 (2462MHz)

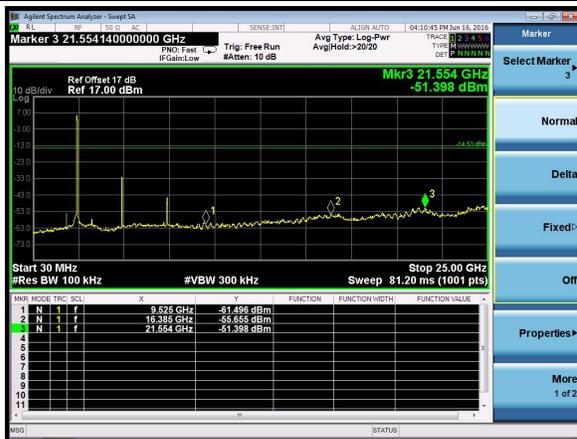
100kHz PSD Reference Level



High Band Edge



Spurious Emission



802.11g Out-of-Band Emissions - Ant 2

Channel 01 (2412MHz)

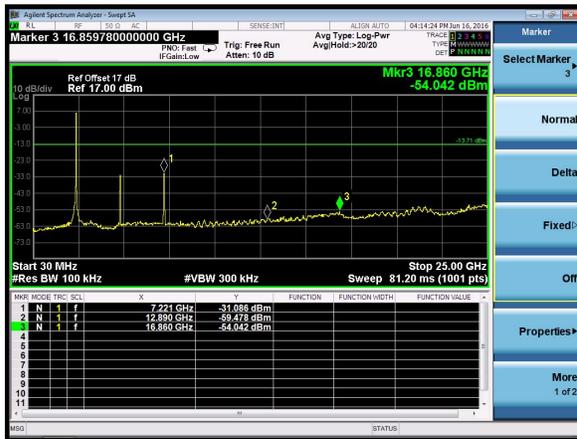
100kHz PSD Reference Level



Low Band Edge



Spurious Emission

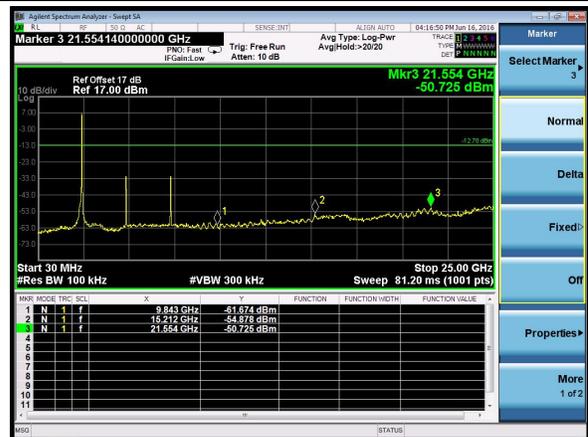


Channel 06 (2437MHz)

100kHz PSD Reference Level

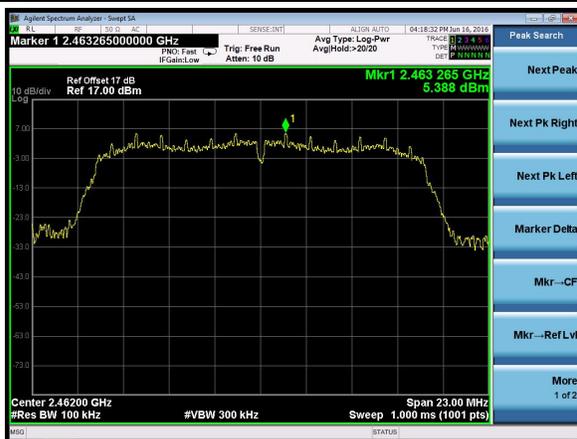


Spurious Emission



Channel 11 (2462MHz)

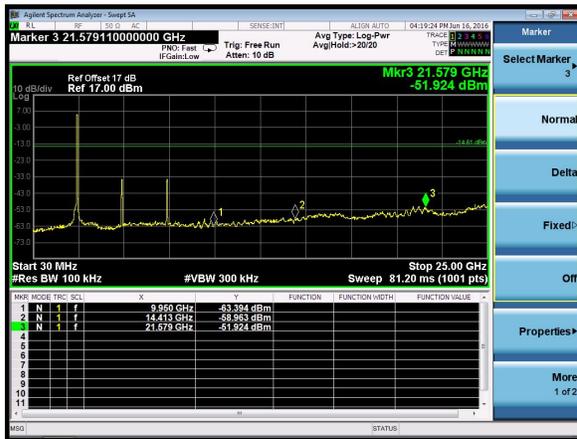
100kHz PSD Reference Level



High Band Edge



Spurious Emission



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

Channel 01 (2412MHz)

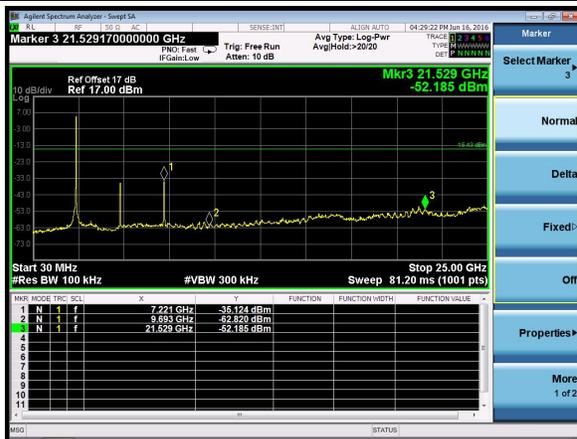
100kHz PSD Reference Level



Low Band Edge



Spurious Emission

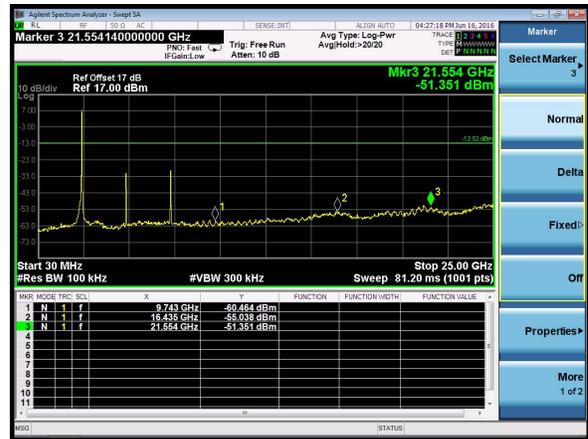


Channel 06 (2437MHz)

100kHz PSD Reference Level



Spurious Emission



Channel 11 (2462MHz)

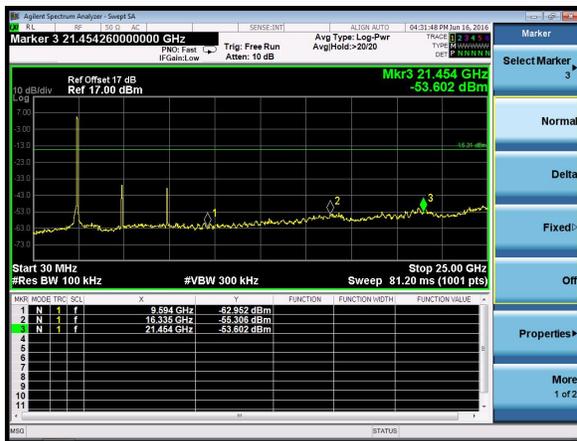
100kHz PSD Reference Level



High Band Edge



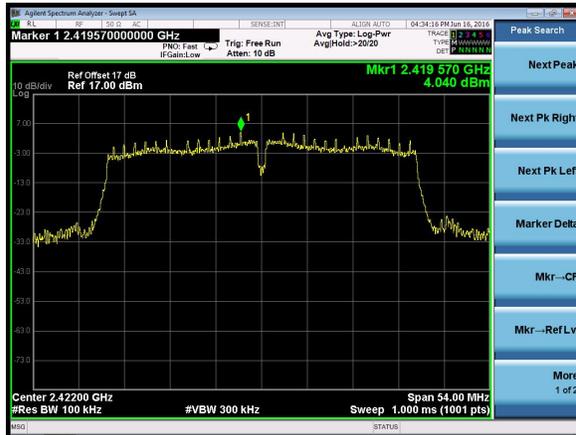
Spurious Emission



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

Channel 03 (2422MHz)

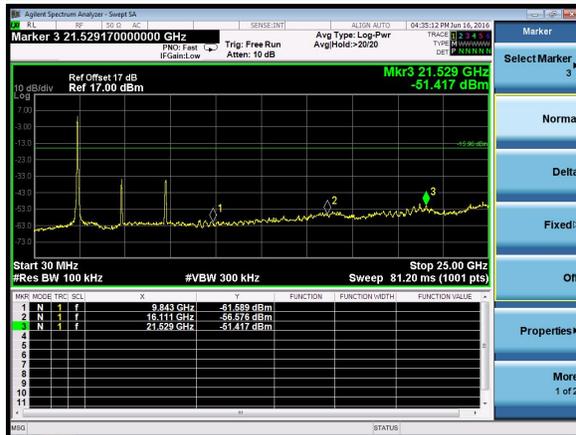
100kHz PSD Reference Level



Low Band Edge



Spurious Emission

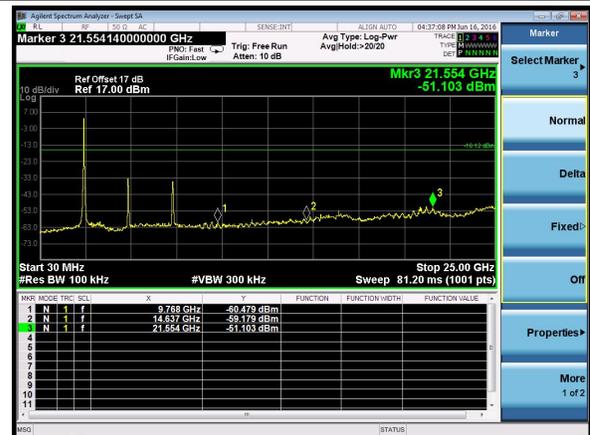


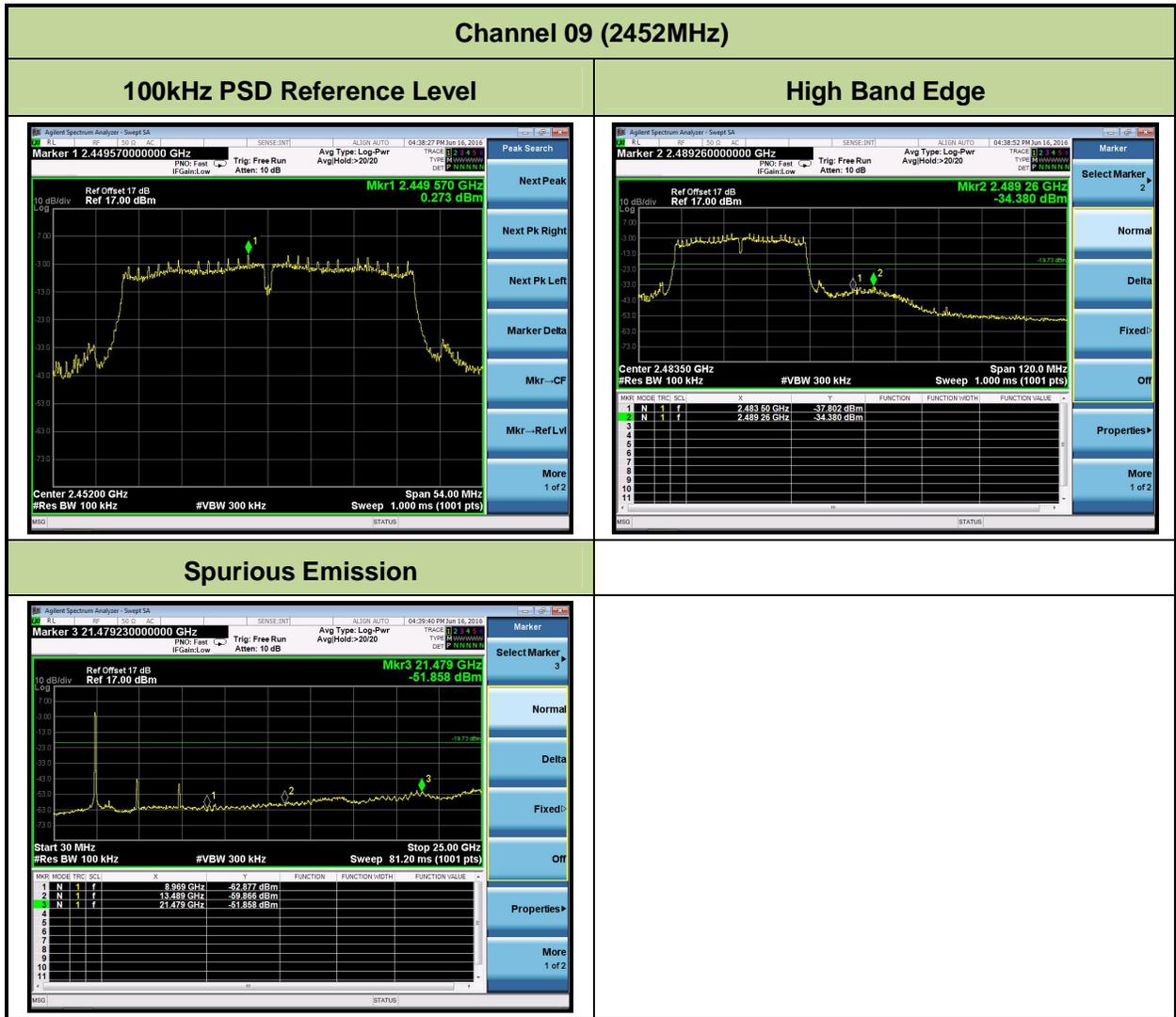
Channel 06 (2437MHz)

100kHz PSD Reference Level



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 [V/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.6.2. 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 per Section 12.2.4 of KDB 558074 D01v03r05

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

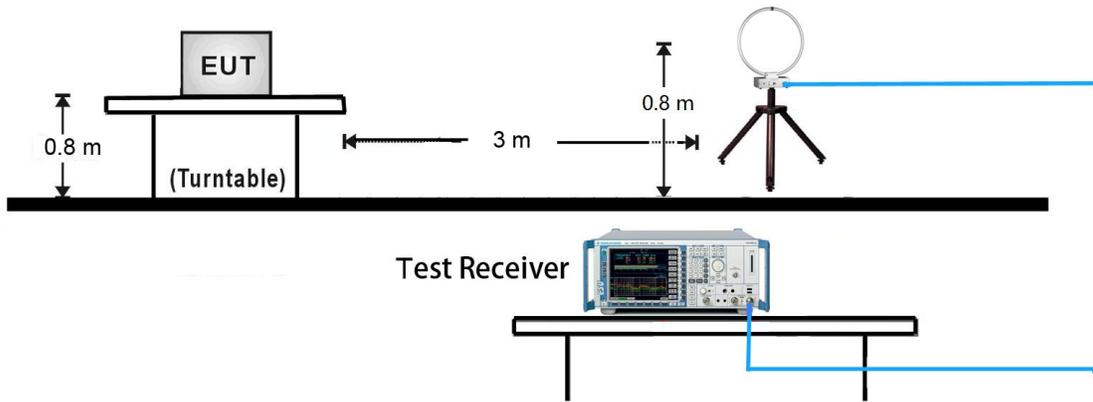
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements per Section 12.2.5.3 of KDB 558074 D01v03r05

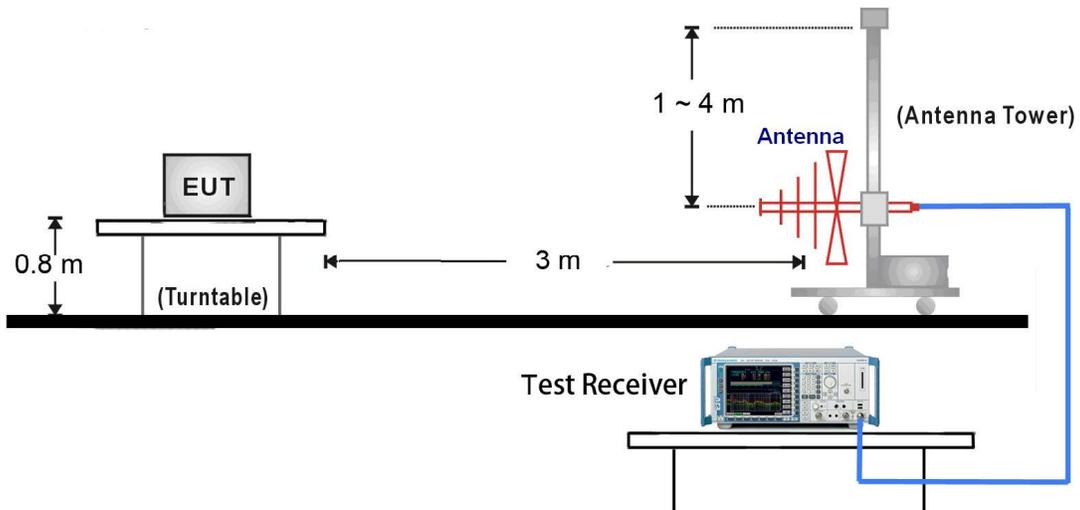
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). 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

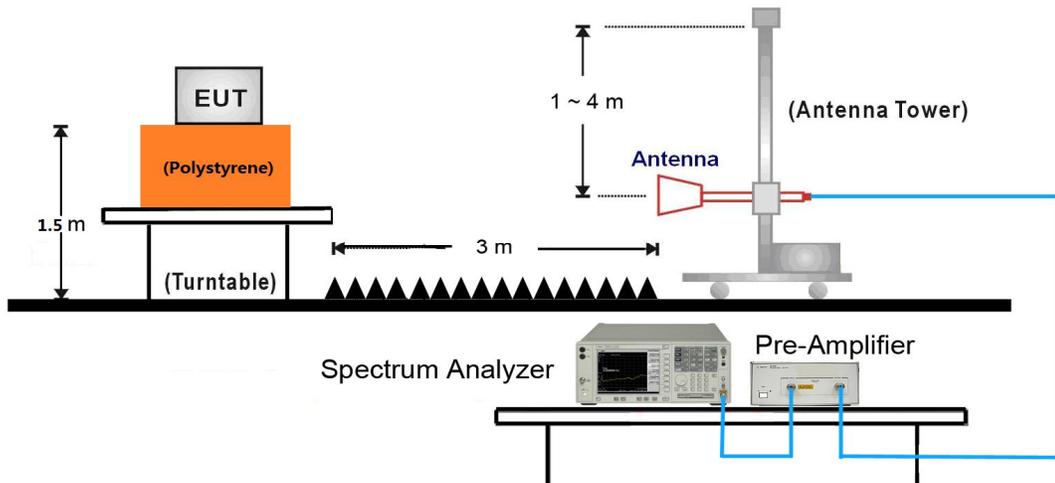
9kHz ~ 30MHz Test Setup:



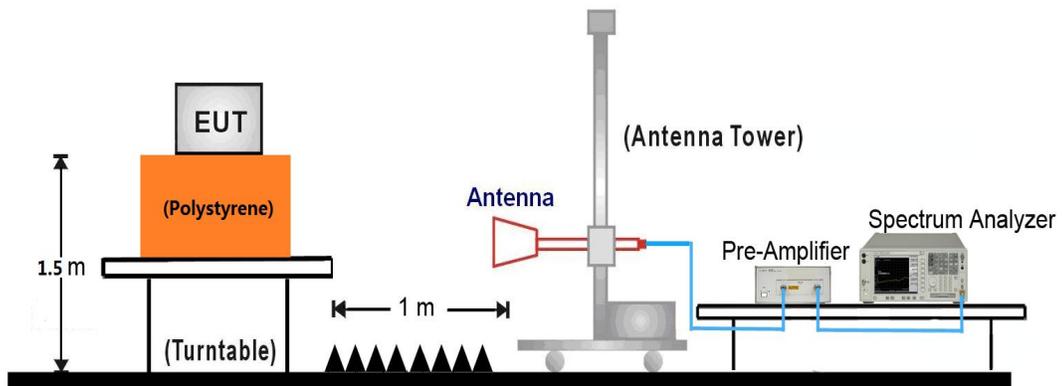
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5. Test Result

Test Mode:	802.11b - Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4825.0	52.2	2.7	54.9	74.0	-19.1	Peak	Horizontal
	4824.0	50.8	2.7	53.5	54.0	-0.5	Average	Horizontal
	5400.0	34.3	3.1	37.4	74.0	-36.6	Peak	Horizontal
*	7239.0	49.7	7.8	57.5	81.9	-24.4	Peak	Horizontal
*	7832.0	34.1	8.4	42.5	81.9	-39.4	Peak	Horizontal
	4825.0	47.6	2.7	50.3	74.0	-23.7	Peak	Vertical
	5425.0	34.7	3.3	38.0	74.0	-36.0	Peak	Vertical
*	7239.0	39.8	7.8	47.6	81.9	-34.3	Peak	Vertical
*	7903.0	34.2	8.4	42.6	81.9	-39.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (101.9dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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
*	3533.0	36.2	-1.0	35.2	82.5	-47.3	Peak	Horizontal
*	4425.0	34.3	1.4	35.7	82.5	-46.8	Peak	Horizontal
	4874.0	51.0	2.7	53.7	54.0	-0.3	Average	Horizontal
	4876.0	52.6	2.7	55.3	74.0	-18.7	Peak	Horizontal
	7307.0	46.7	8.0	54.7	74.0	-19.3	Peak	Horizontal
	7310.3	41.2	8.0	49.2	54.0	-4.8	Average	Horizontal
*	3526.0	36.2	-1.0	35.2	82.5	-47.3	Peak	Vertical
*	4418.0	34.7	1.4	36.1	82.5	-46.4	Peak	Vertical
	4876.0	48.4	2.7	51.1	74.0	-22.9	Peak	Vertical
	7307.0	39.2	8.0	47.2	74.0	-26.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.5dBμV/m).

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:	Roy Cheng
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
*	3437.0	37.5	-1.5	36.0	82.8	-46.8	Peak	Horizontal
*	4419.0	35.0	1.4	36.4	82.8	-46.4	Peak	Horizontal
	4924.1	50.8	2.8	53.6	54.0	-0.4	Average	Horizontal
	4927.0	51.9	2.8	54.7	74.0	-19.3	Peak	Horizontal
	7383.5	45.3	7.9	53.2	74.0	-20.8	Peak	Horizontal
*	3526.0	36.2	-1.0	35.2	82.8	-47.6	Peak	Vertical
*	4478.0	35.3	1.6	36.9	82.8	-45.9	Peak	Vertical
	4927.0	47.3	2.8	50.1	74.0	-23.9	Peak	Vertical
	7383.5	39.4	7.9	47.3	74.0	-26.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.8dBμV/m).

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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4823.4	44.7	2.7	47.4	54.0	-6.6	Average	Horizontal
	4825.0	56.7	2.7	59.4	74.0	-14.6	Peak	Horizontal
	5400.0	34.9	3.1	38.0	74.0	-36.0	Peak	Horizontal
*	7239.0	60.7	7.8	68.5	86.6	-18.1	Peak	Horizontal
*	7819.0	34.5	8.4	42.9	86.6	-43.7	Peak	Horizontal
	4825.0	51.0	2.7	53.7	74.0	-20.3	Peak	Vertical
	5416.0	34.7	3.3	38.0	74.0	-36.0	Peak	Vertical
*	7239.0	51.8	7.8	59.6	86.6	-27.0	Peak	Vertical
*	7903.0	34.4	8.4	42.8	86.6	-43.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.6dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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
*	3529.0	35.2	-1.0	34.2	88.1	-53.9	Peak	Horizontal
*	4417.0	34.4	1.4	35.8	88.1	-52.3	Peak	Horizontal
	4873.4	46.7	2.7	49.4	54.0	-4.6	Average	Horizontal
	4876.0	57.9	2.7	60.6	74.0	-13.4	Peak	Horizontal
	7307.0	61.0	8.0	69.0	74.0	-5.0	Peak	Horizontal
	7310.4	45.0	8.0	53.0	54.0	-1.0	Average	Horizontal
*	3526.0	36.7	-1.0	35.7	88.1	-52.4	Peak	Vertical
*	4419.0	34.7	1.4	36.1	88.1	-52.0	Peak	Vertical
	4873.2	40.7	2.7	43.4	54.0	-10.6	Average	Vertical
	4876.0	53.7	2.7	56.4	74.0	-17.6	Peak	Vertical
	7307.0	52.2	8.0	60.2	74.0	-13.8	Peak	Vertical
	7310.7	39.1	8.0	47.1	54.0	-6.9	Average	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (108.1dBμV/m).

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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3529.0	36.7	-1.0	35.7	89.6	-53.9	Peak	Horizontal
*	4412.0	34.2	1.4	35.6	89.6	-54.0	Peak	Horizontal
	4918.5	57.0	2.8	59.8	74.0	-14.2	Peak	Horizontal
	4923.0	43.5	2.8	46.3	54.0	-7.7	Average	Horizontal
	7384.9	42.7	7.9	50.6	54.0	-3.4	Average	Horizontal
	7392.0	58.8	7.9	66.7	74.0	-7.3	Peak	Horizontal
*	3529.0	36.5	-1.0	35.5	89.6	-54.1	Peak	Vertical
*	4418.0	35.0	1.4	36.4	89.6	-53.2	Peak	Vertical
	4927.0	49.8	2.8	52.6	74.0	-21.4	Peak	Vertical
	7388.0	36.1	7.9	44.0	54.0	-10.0	Average	Vertical
	7392.0	51.8	7.9	59.7	74.0	-14.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.6dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4816.5	56.8	2.7	59.5	74.0	-14.5	Peak	Horizontal
	4824.4	42.7	2.7	45.4	54.0	-8.6	Average	Horizontal
	5300.0	34.3	3.1	37.4	74.0	-36.6	Peak	Horizontal
*	7239.0	57.1	7.8	64.9	85.7	-20.8	Peak	Horizontal
*	7906.0	33.5	8.4	41.9	85.7	-43.8	Peak	Horizontal
	4816.5	49.7	2.7	52.4	74.0	-21.6	Peak	Vertical
	5400.0	34.9	3.1	38.0	74.0	-36.0	Peak	Vertical
*	7239.0	50.3	7.8	58.1	85.7	-27.6	Peak	Vertical
*	7918.0	33.4	8.4	41.8	85.7	-43.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.7dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3419.0	37.5	-1.6	35.9	87.1	-51.2	Peak	Horizontal
*	4418.0	35.5	1.4	36.9	87.1	-50.2	Peak	Horizontal
	4865.3	44.1	2.7	46.8	54.0	-7.2	Average	Horizontal
	4867.5	54.6	2.7	57.3	74.0	-16.7	Peak	Horizontal
	7307.0	52.4	8.0	60.4	74.0	-13.6	Peak	Horizontal
	7309.2	41.1	8.0	49.1	54.0	-4.9	Average	Horizontal
*	3434.0	37.1	-1.5	35.6	87.1	-51.5	Peak	Vertical
*	4419.0	34.9	1.4	36.3	87.1	-50.8	Peak	Vertical
	4867.5	57.7	2.7	60.4	74.0	-13.6	Peak	Vertical
	4872.7	47.6	2.7	50.3	54.0	-3.7	Average	Vertical
	7309.0	45.1	8.0	53.1	54.0	-0.9	Average	Vertical
	7315.5	60.1	8.0	68.1	74.0	-5.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (107.1dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3432.0	37.5	-1.5	36.0	89.4	-53.4	Peak	Horizontal
*	4419.0	35.4	1.4	36.8	89.4	-52.6	Peak	Horizontal
	4918.5	49.7	2.8	52.5	74.0	-21.5	Peak	Horizontal
	7392.0	48.6	7.9	56.5	74.0	-17.5	Peak	Horizontal
	7395.1	38.5	7.9	46.4	54.0	-7.6	Average	Horizontal
*	3415.0	36.7	-1.6	35.1	89.4	-54.3	Peak	Vertical
*	4419.0	35.5	1.4	36.9	89.4	-52.5	Peak	Vertical
	4923.7	43.5	2.8	46.3	54.0	-7.7	Average	Vertical
	4927.0	57.4	2.8	60.2	74.0	-13.8	Peak	Vertical
	7375.0	57.8	7.9	65.7	74.0	-8.3	Peak	Vertical
	7386.4	42.2	7.9	50.1	54.0	-3.9	Average	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.4dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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
*	3415.0	36.6	-1.6	35.0	82.0	-47.0	Peak	Horizontal
*	4418.0	35.6	1.4	37.0	82.0	-45.0	Peak	Horizontal
	4842.0	45.1	2.7	47.8	74.0	-26.2	Peak	Horizontal
	7264.5	42.4	7.9	50.3	74.0	-23.7	Peak	Horizontal
*	3415.0	36.8	-1.6	35.2	82.0	-46.8	Peak	Vertical
*	4418.0	35.2	1.4	36.6	82.0	-45.4	Peak	Vertical
	4842.0	52.0	2.7	54.7	74.0	-19.3	Peak	Vertical
	4845.1	40.3	2.7	43.0	54.0	-11.0	Average	Vertical
	7264.5	49.8	7.9	57.7	74.0	-16.3	Peak	Vertical
	7264.8	36.5	7.9	44.4	54.0	-9.6	Average	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.0dBμV/m).

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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3416.0	37.4	-1.6	35.8	81.8	-46.0	Peak	Horizontal
*	4418.0	35.0	1.4	36.4	81.8	-45.4	Peak	Horizontal
	4867.5	49.8	2.7	52.5	74.0	-21.5	Peak	Horizontal
	7307.0	51.0	8.0	59.0	74.0	-15.0	Peak	Horizontal
	7308.6	40.9	8.0	48.9	54.0	-5.1	Average	Horizontal
*	3418.0	37.4	-1.6	35.8	81.8	-46.0	Peak	Vertical
*	4419.0	35.1	1.4	36.5	81.8	-45.3	Peak	Vertical
	4876.5	45.2	2.7	47.9	54.0	-6.1	Average	Vertical
	4884.5	55.8	2.7	58.5	74.0	-15.5	Peak	Vertical
	7307.0	58.2	8.0	66.2	74.0	-7.8	Peak	Vertical
	7308.5	44.2	8.0	52.2	54.0	-1.8	Average	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (101.8dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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
*	3419.0	37.3	-1.6	35.7	81.6	-45.9	Peak	Horizontal
*	4418.0	34.9	1.4	36.3	81.6	-45.3	Peak	Horizontal
	4901.5	41.6	2.7	44.3	74.0	-29.7	Peak	Horizontal
	7349.5	38.9	8.0	46.9	74.0	-27.1	Peak	Horizontal
*	3415.0	36.5	-1.6	34.9	81.6	-46.7	Peak	Vertical
*	4418.0	35.0	1.4	36.4	81.6	-45.2	Peak	Vertical
	4901.5	49.9	2.7	52.6	74.0	-21.4	Peak	Vertical
	7341.0	47.6	8.0	55.6	74.0	-18.4	Peak	Vertical
	7342.5	36.6	8.0	44.6	54.0	-9.4	Average	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (101.6dBμV/m).

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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3415.0	37.3	-1.6	35.7	83.2	-47.5	Peak	Horizontal
*	4415.0	35.8	1.4	37.2	83.2	-46.0	Peak	Horizontal
	4825.0	47.7	2.7	50.4	74.0	-23.6	Peak	Horizontal
	7528.0	37.3	8.3	45.6	74.0	-28.4	Peak	Horizontal
	4824.0	50.5	2.7	53.2	54.0	-0.8	Average	Vertical
	4825.0	52.7	2.7	55.4	74.0	-18.6	Peak	Vertical
	5400.0	34.2	3.1	37.3	74.0	-36.7	Peak	Vertical
*	7239.0	40.1	7.8	47.9	83.2	-35.3	Peak	Vertical
*	7878.0	33.1	8.4	41.5	83.2	-41.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.2dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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
*	3415.0	36.9	-1.6	35.3	82.6	-47.3	Peak	Horizontal
*	4418.0	35.2	1.4	36.6	82.6	-46.0	Peak	Horizontal
	4876.0	48.0	2.7	50.7	74.0	-23.3	Peak	Horizontal
	7409.0	37.0	8.0	45.0	74.0	-29.0	Peak	Horizontal
*	3416.0	37.0	-1.6	35.4	82.6	-47.2	Peak	Vertical
*	4418.0	36.1	1.4	37.5	82.6	-45.1	Peak	Vertical
	4874.0	50.9	2.7	53.6	54.0	-0.4	Average	Vertical
	4876.0	52.7	2.7	55.4	74.0	-18.6	Peak	Vertical
	7307.0	38.4	8.0	46.4	74.0	-27.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.6dBμV/m).

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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3415.0	37.4	-1.6	35.8	81.7	-45.9	Peak	Horizontal
*	4418.0	35.0	1.4	36.4	81.7	-45.3	Peak	Horizontal
	4927.0	46.8	2.8	49.6	74.0	-24.4	Peak	Horizontal
	7375.0	36.1	7.9	44.0	74.0	-30.0	Peak	Horizontal
*	3415.0	36.7	-1.6	35.1	81.7	-46.6	Peak	Vertical
*	4417.0	34.3	1.4	35.7	81.7	-46.0	Peak	Vertical
	4924.0	50.5	2.8	53.3	54.0	-0.7	Average	Vertical
	4927.0	52.4	2.8	55.2	74.0	-18.8	Peak	Vertical
	7383.5	39.6	7.9	47.5	74.0	-26.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (101.7dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4824.2	44.7	2.7	47.4	54.0	-6.6	Average	Horizontal
	4825.0	52.7	2.7	55.4	74.0	-18.6	Peak	Horizontal
	5400.0	34.5	3.1	37.6	74.0	-36.4	Peak	Horizontal
*	7230.5	44.6	7.8	52.4	88.5	-36.1	Peak	Horizontal
*	7805.0	34.7	8.4	43.1	88.5	-45.4	Peak	Horizontal
	4816.5	55.5	2.7	58.2	74.0	-15.8	Peak	Vertical
	4824.2	41.5	2.7	44.2	54.0	-9.8	Average	Vertical
	5400.0	35.4	3.1	38.5	74.0	-35.5	Peak	Vertical
*	7230.5	55.4	7.8	63.2	88.5	-25.3	Peak	Vertical
*	7815.0	34.7	8.4	43.1	88.5	-45.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (108.5dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3415.0	37.9	-1.6	36.3	89.0	-52.7	Peak	Horizontal
*	4415.0	35.4	1.4	36.8	89.0	-52.2	Peak	Horizontal
	4867.5	53.4	2.7	56.1	74.0	-17.9	Peak	Horizontal
	4873.6	40.1	2.7	42.8	54.0	-11.2	Average	Horizontal
	7306.9	35.2	8.0	43.2	54.0	-10.8	Average	Horizontal
	7307.0	46.2	8.0	54.2	74.0	-19.8	Peak	Horizontal
	4867.5	60.2	2.7	62.9	74.0	-11.1	Peak	Vertical
	4873.4	46.6	2.7	49.3	54.0	-4.7	Average	Vertical
	5400.0	35.5	3.1	38.6	74.0	-35.4	Peak	Vertical
*	7307.0	57.3	8.0	65.3	89.0	-23.7	Peak	Vertical
*	7815.0	35.9	8.4	44.3	89.0	-44.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.0dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3415.0	37.5	-1.6	35.9	89.4	-53.5	Peak	Horizontal
*	4415.0	35.9	1.4	37.3	89.4	-52.1	Peak	Horizontal
	4918.5	50.9	2.8	53.7	74.0	-20.3	Peak	Horizontal
	7383.5	44.1	7.9	52.0	74.0	-22.0	Peak	Horizontal
*	3415.0	36.7	-1.6	35.1	89.4	-54.3	Peak	Vertical
*	4415.0	35.1	1.4	36.5	89.4	-52.9	Peak	Vertical
	4918.5	55.4	2.8	58.2	74.0	-15.8	Peak	Vertical
	4924.0	42.1	2.8	44.9	54.0	-9.1	Average	Vertical
	7386.6	40.3	7.9	48.2	54.0	-5.8	Average	Vertical
	7392.0	54.6	7.9	62.5	74.0	-11.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.4dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3415.0	37.1	-1.6	35.5	85.6	-50.1	Peak	Horizontal
*	4415.0	36.2	1.4	37.6	85.6	-48.0	Peak	Horizontal
	4918.5	51.2	2.8	54.0	74.0	-20.0	Peak	Horizontal
	7392.0	43.0	7.9	50.9	74.0	-23.1	Peak	Horizontal
*	3415.0	36.8	-1.6	35.2	85.6	-50.4	Peak	Vertical
*	4415.0	35.2	1.4	36.6	85.6	-49.0	Peak	Vertical
	4816.5	52.9	2.7	55.6	74.0	-18.4	Peak	Vertical
	4823.7	40.2	2.7	42.9	54.0	-11.1	Average	Vertical
	7237.0	40.1	7.8	47.9	54.0	-6.1	Average	Vertical
	7239.0	53.0	7.8	60.8	74.0	-13.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.6dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3415.0	39.0	-1.6	37.4	86.3	-48.9	Peak	Horizontal
*	4415.0	35.7	1.4	37.1	86.3	-49.2	Peak	Horizontal
	4874.6	42.2	2.7	44.9	54.0	-9.1	Average	Horizontal
	4876.0	55.5	2.7	58.2	74.0	-15.8	Peak	Horizontal
	7306.9	35.3	8.0	43.3	54.0	-10.7	Average	Horizontal
	7307.0	47.0	8.0	55.0	74.0	-19.0	Peak	Horizontal
*	3418.0	36.7	-1.6	35.1	86.3	-51.2	Peak	Vertical
*	4418.0	35.9	1.4	37.3	86.3	-49.0	Peak	Vertical
	4875.0	47.0	2.7	49.7	54.0	-4.3	Average	Vertical
	4876.0	59.4	2.7	62.1	74.0	-11.9	Peak	Vertical
	7307.0	56.4	8.0	64.4	74.0	-9.6	Peak	Vertical
	7311.6	40.0	8.0	48.0	54.0	-6.0	Average	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.3dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3400.0	37.8	-1.7	36.1	87.1	-51.0	Peak	Horizontal
*	4418.0	35.6	1.4	37.0	87.1	-50.1	Peak	Horizontal
	4918.5	50.9	2.8	53.7	74.0	-20.3	Peak	Horizontal
	7388.6	36.1	7.9	44.0	54.0	-10.0	Average	Horizontal
	7400.5	46.7	7.9	54.6	74.0	-19.4	Peak	Horizontal
*	3419.0	37.2	-1.6	35.6	87.1	-51.5	Peak	Vertical
*	4418.0	35.7	1.4	37.1	87.1	-50.0	Peak	Vertical
	4922.3	41.6	2.8	44.4	54.0	-9.6	Average	Vertical
	4927.0	55.9	2.8	58.7	74.0	-15.3	Peak	Vertical
	7375.0	52.7	7.9	60.6	74.0	-13.4	Peak	Vertical
	7385.2	42.2	7.9	50.1	54.0	-3.9	Average	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (107.1dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Roy Cheng
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3418.0	36.7	-1.6	35.1	83.6	-48.5	Peak	Horizontal
*	4418.0	35.2	1.4	36.6	83.6	-47.0	Peak	Horizontal
	4850.5	47.6	2.7	50.3	74.0	-23.7	Peak	Horizontal
	7281.5	39.3	8.0	47.3	74.0	-26.7	Peak	Horizontal
*	3418.0	37.5	-1.6	35.9	83.6	-47.7	Peak	Vertical
*	4418.0	34.8	1.4	36.2	83.6	-47.4	Peak	Vertical
	4842.0	53.7	2.7	56.4	74.0	-17.6	Peak	Vertical
	4845.6	43.3	2.7	46.0	54.0	-8.0	Average	Vertical
	7267.5	39.2	8.0	47.2	54.0	-6.8	Average	Vertical
	7273.0	50.0	8.0	58.0	74.0	-16.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.6dB μ V/m).

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

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