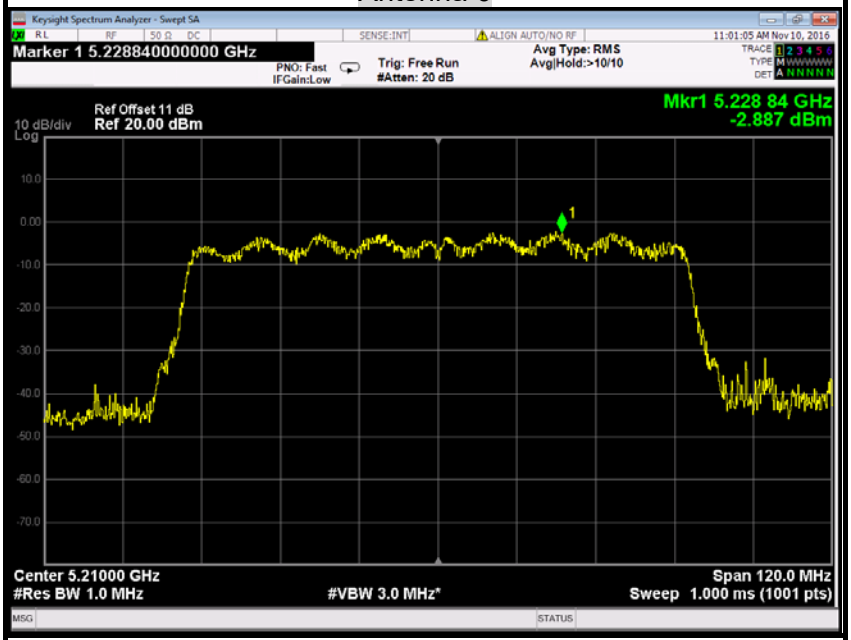
IEEE 802.11ac 80 mode / 5210MHz

PPSD

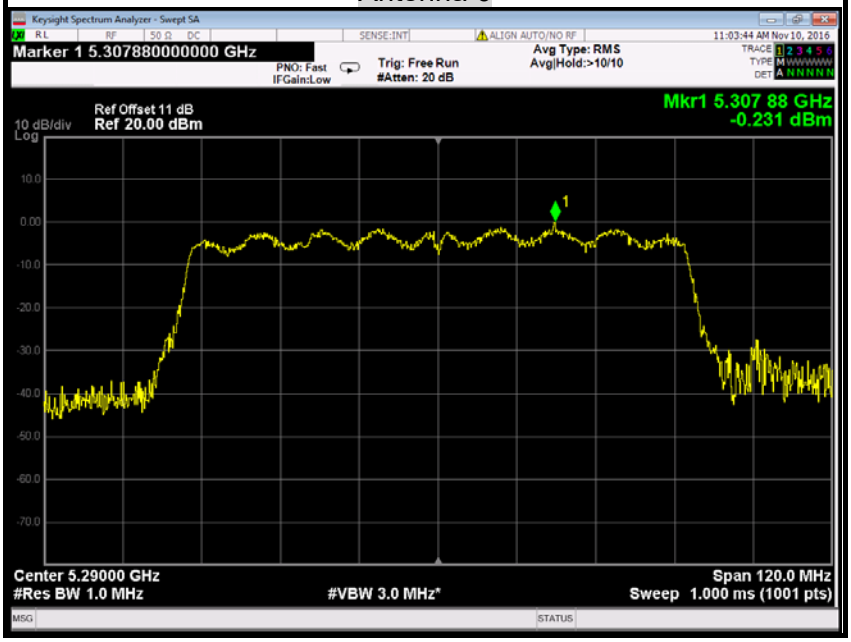
Antenna 0



IEEE 802.11ac 80 mode / 5290MHz

PPSD

Antenna 0



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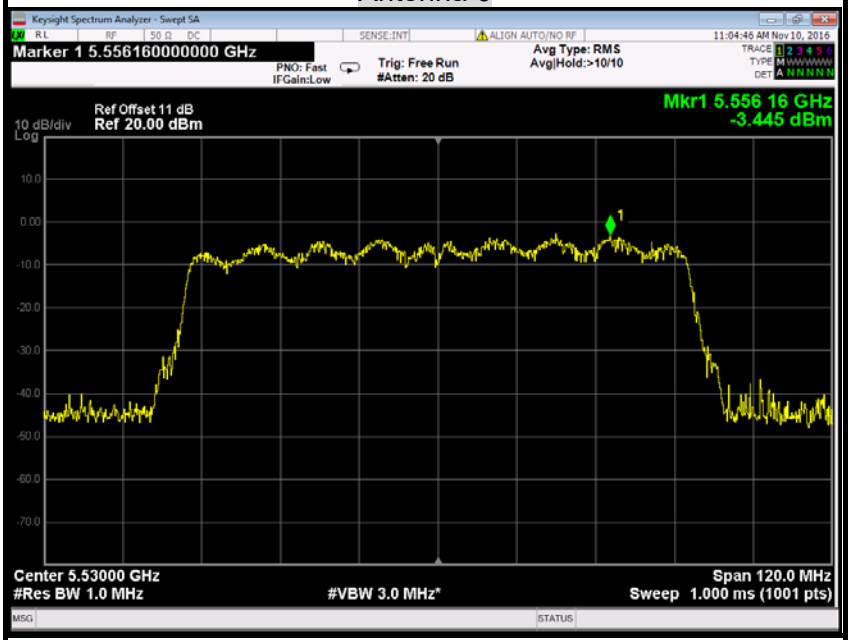
IEEE 802.11ac 80 mode / 5530MHz

PPSD

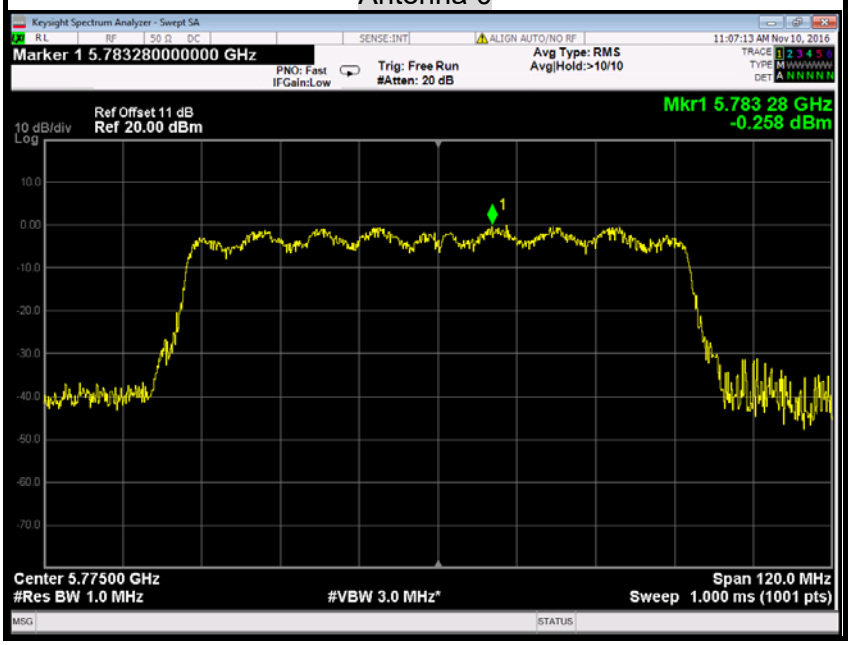
Antenna 0



IEEE 802.11ac 80 mode / 5775MHz

PPSD

Antenna 0



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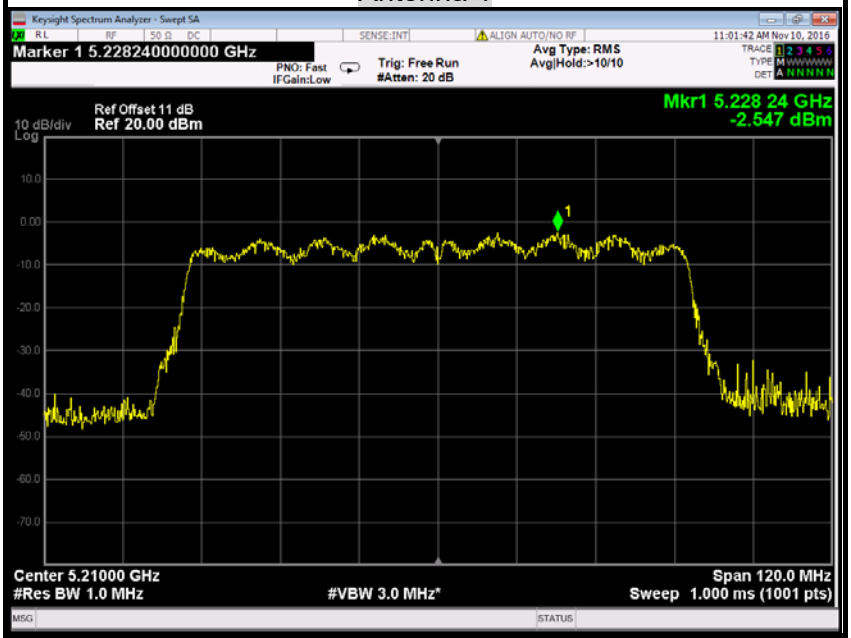
IEEE 802.11ac 80 mode / 5210MHz

PPSD

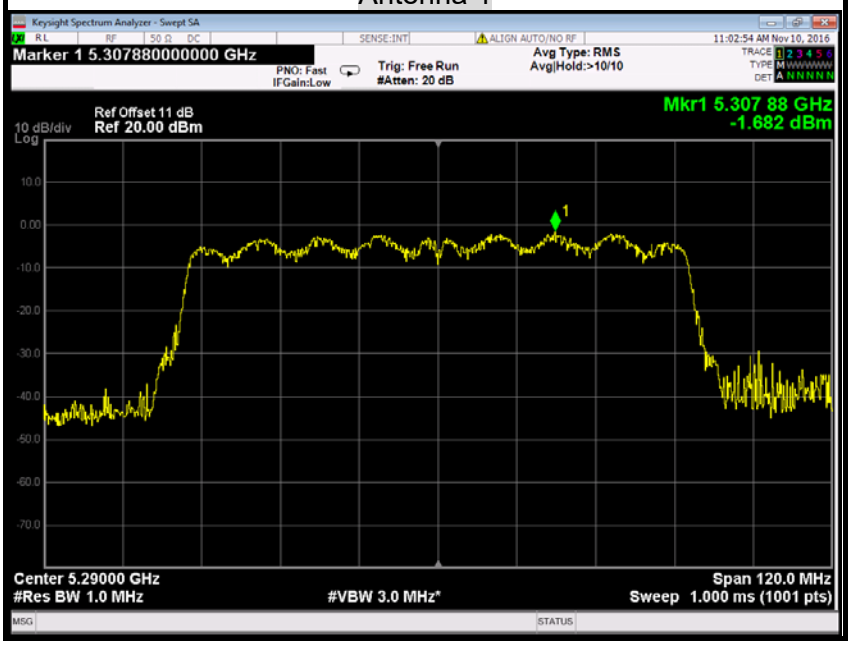
Antenna 1



IEEE 802.11ac 80 mode / 5290MHz

PPSD

Antenna 1



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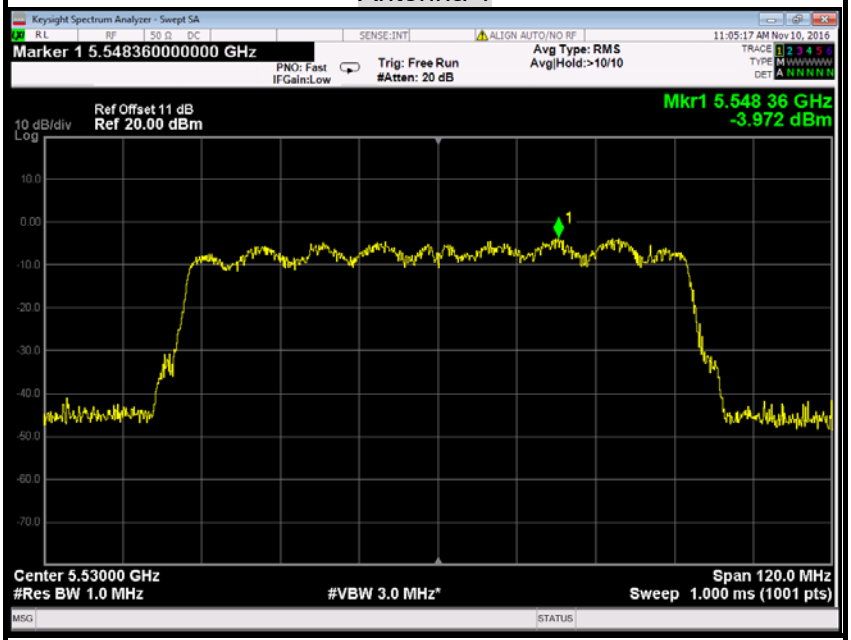
IEEE 802.11ac 80 mode / 5530MHz

PPSD

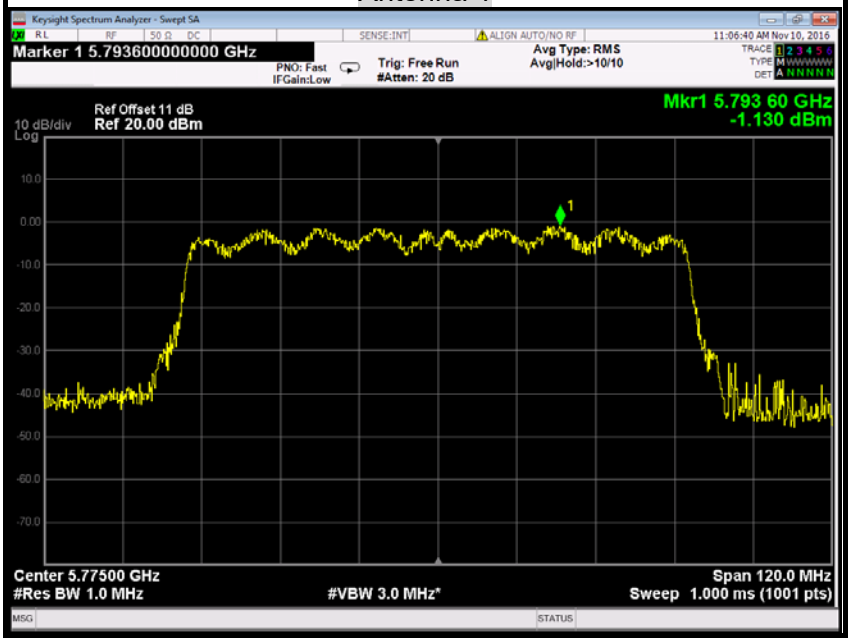
Antenna 1



IEEE 802.11ac 80 mode / 5775MHz

PPSD

Antenna 1



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6.8. SPURIOUS EMISSIONS MEASUREMENT

6.8.1. LIMITS OF CONDUCTED EMISSIONS MEASUREMENT

According to RSS-247 §5.5, in any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the radio frequency power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under section 5.4(4), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Tables 2 and 3 is not required. In addition, radiated emissions which fall in the restricted bands of Table 1 must also comply with the radiated emission limits specified in Tables 2 and 3.

6.8.2. TEST INSTRUMENTS

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2016	02/20/2017
Cable	HuberSuhner	SUCOFLEX104PEA	N/A	N/A	N/A

6.8.3. TEST PROCEDURE (please refer to measurement standard)

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.
The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 1MHz. The video bandwidth is set to 3MHz.
Measurements are made over the 30MHz to 40GHz range with the transmitter set to the lowest, middle, and highest channels.

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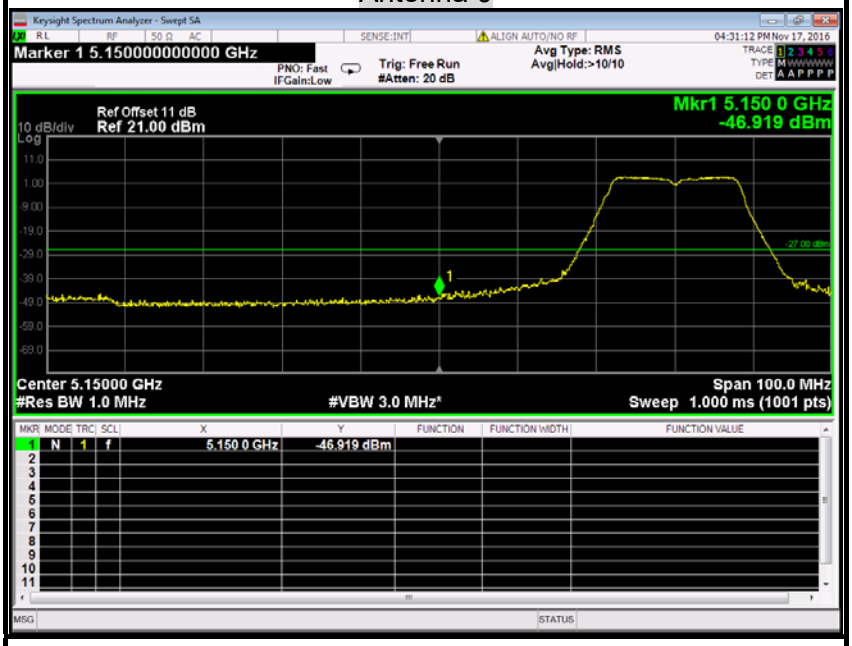
6.8.4. TEST RESULTS

Test Plot

IEEE 802.11a mode / 5180 ~ 5240MHz

CH Low

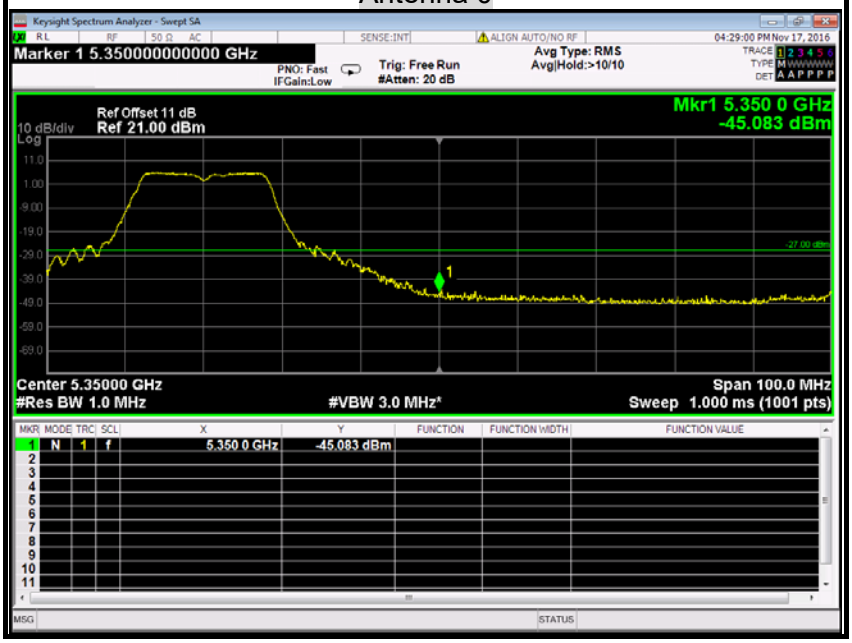
Antenna 0



IEEE 802.11a mode / 5260~ 5320MHz

CH High

Antenna 0



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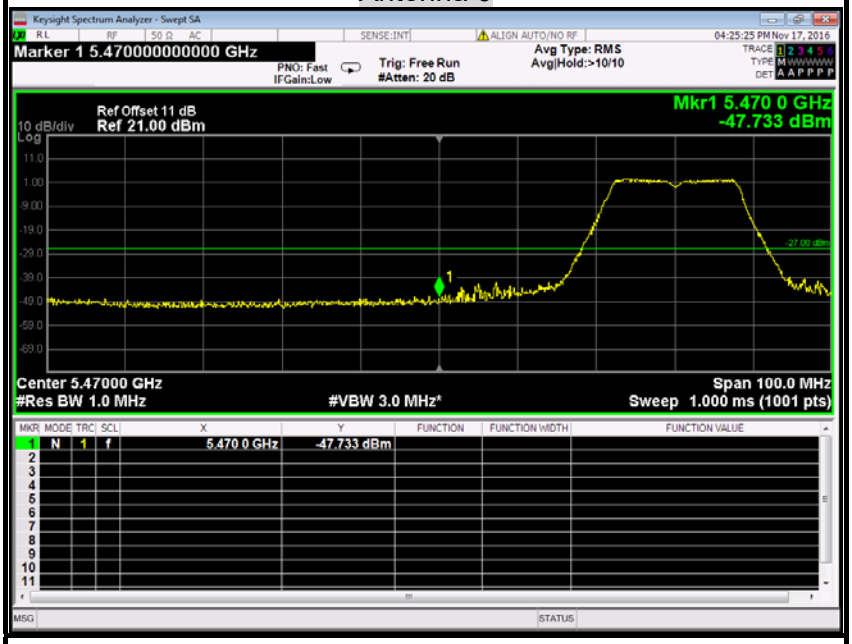
IEEE 802.11a mode / 5500 ~ 5580MHz; 5660 ~ 5700MHz

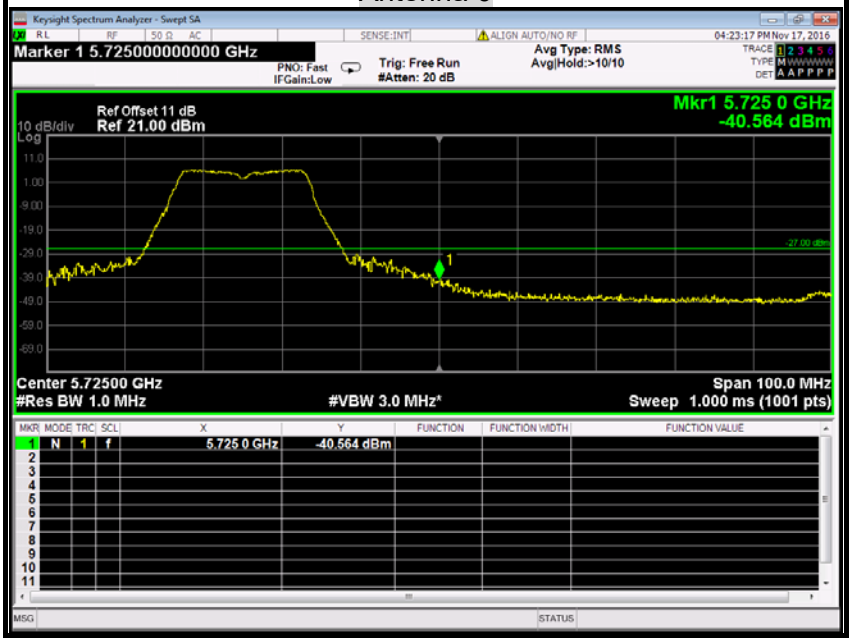
CH Low

Antenna 0



CH High

Antenna 0



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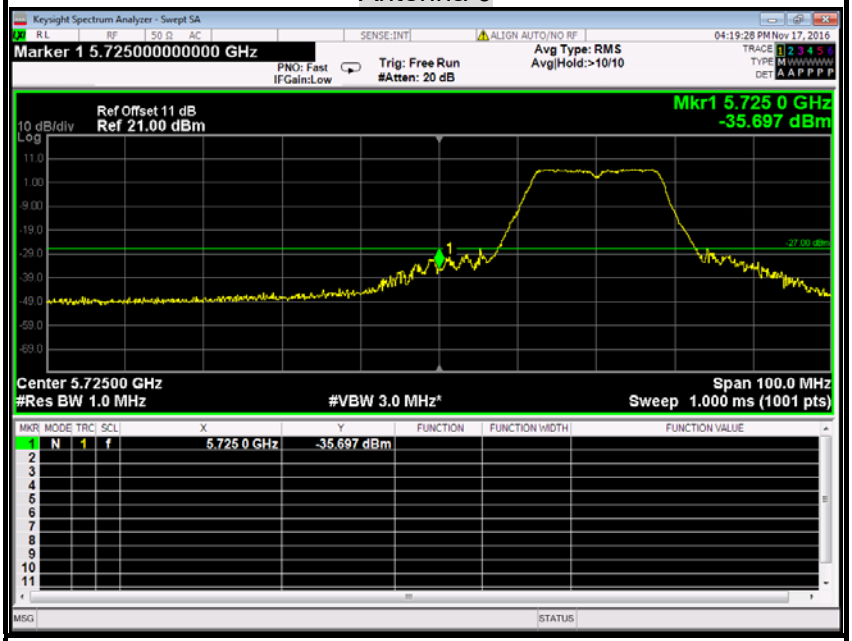
IEEE 802.11a mode / 5745 ~ 5825MHz

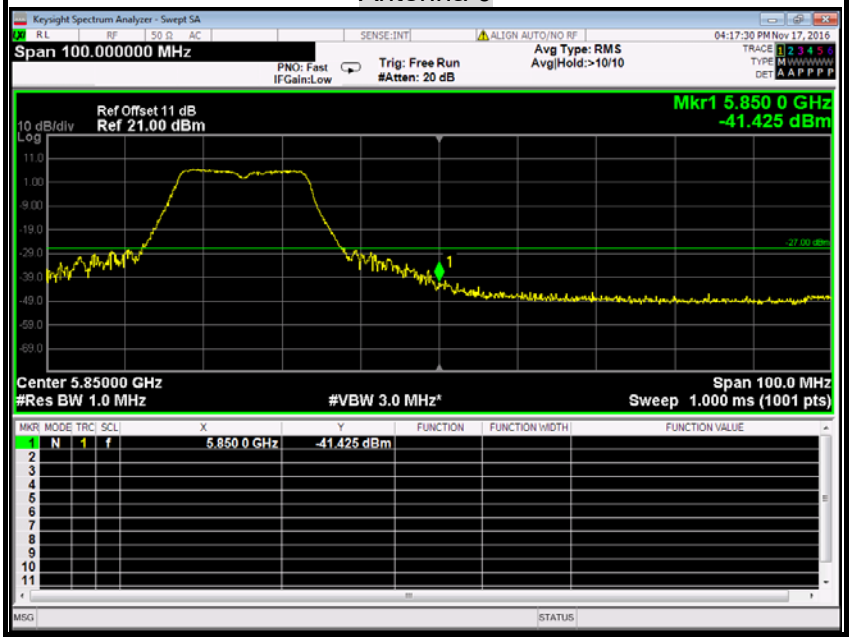
CH Low

Antenna 0



CH High

Antenna 0



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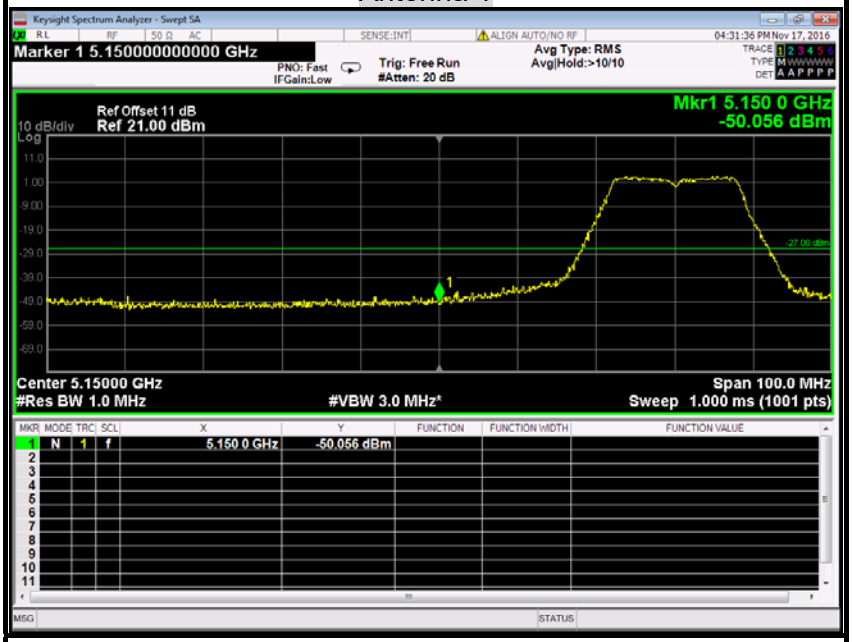
IEEE 802.11a mode / 5180 ~ 5240MHz

CH Low

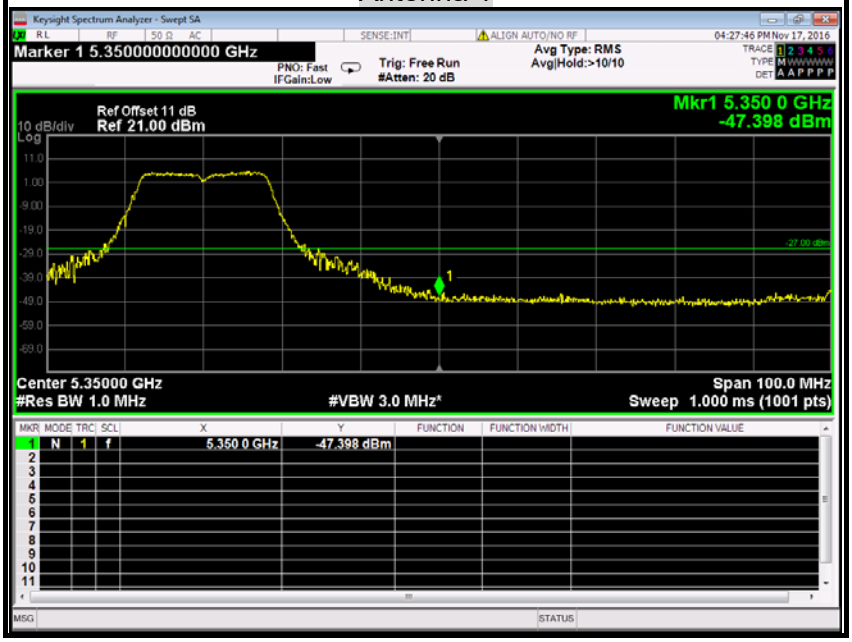
Antenna 1



IEEE 802.11a mode / 5260~ 5320MHz

CH High

Antenna 1



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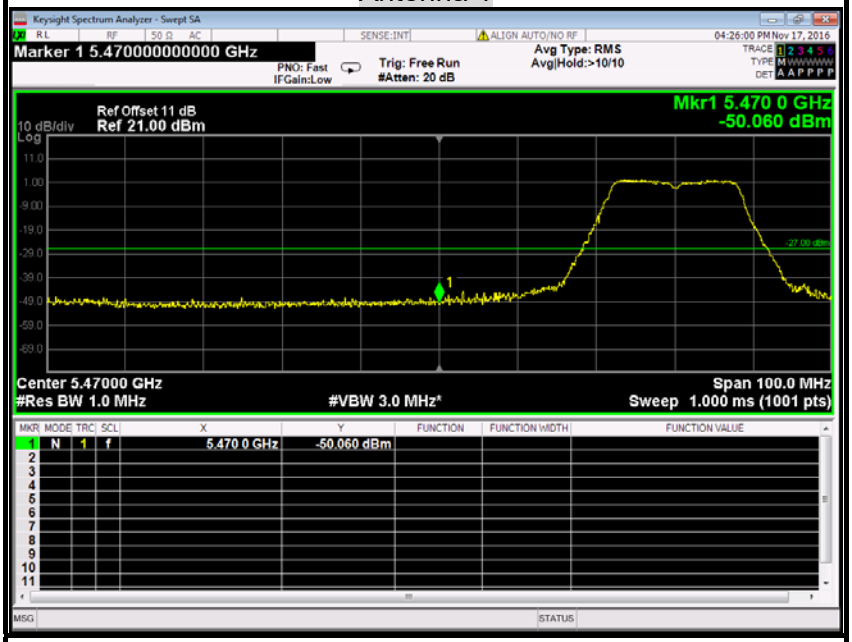
IEEE 802.11a mode / 5500 ~ 5580MHz; 5660 ~ 5700MHz

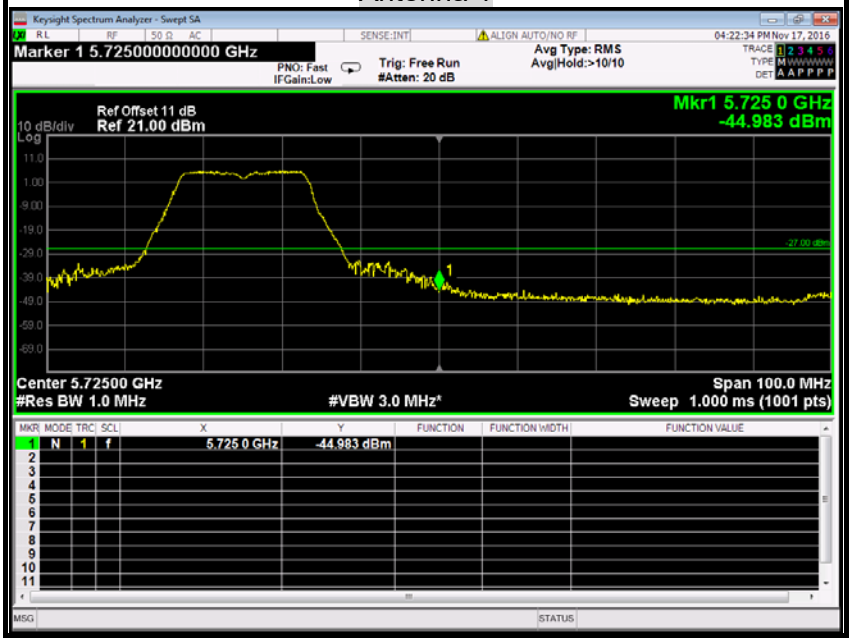
CH Low

Antenna 1



CH High

Antenna 1



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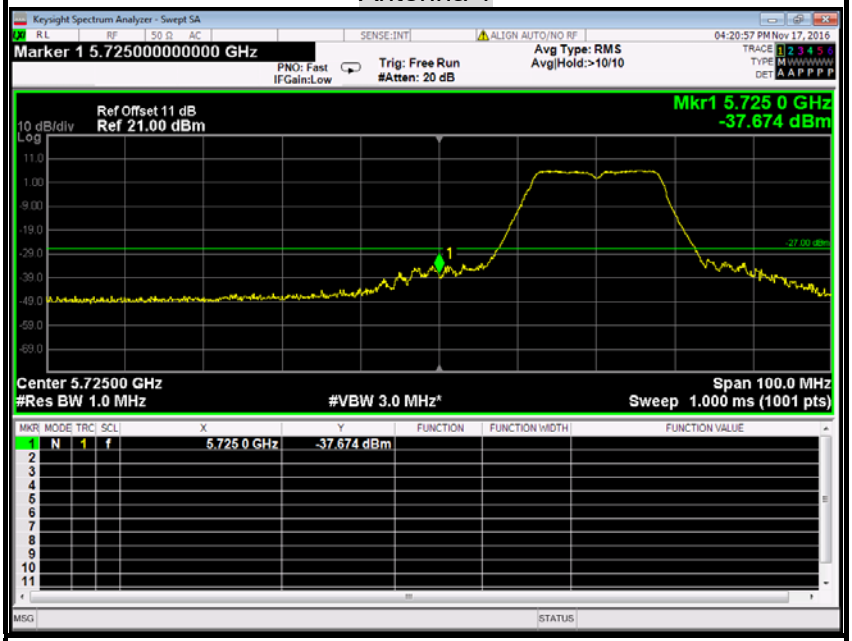
IEEE 802.11a mode / 5745 ~ 5825MHz

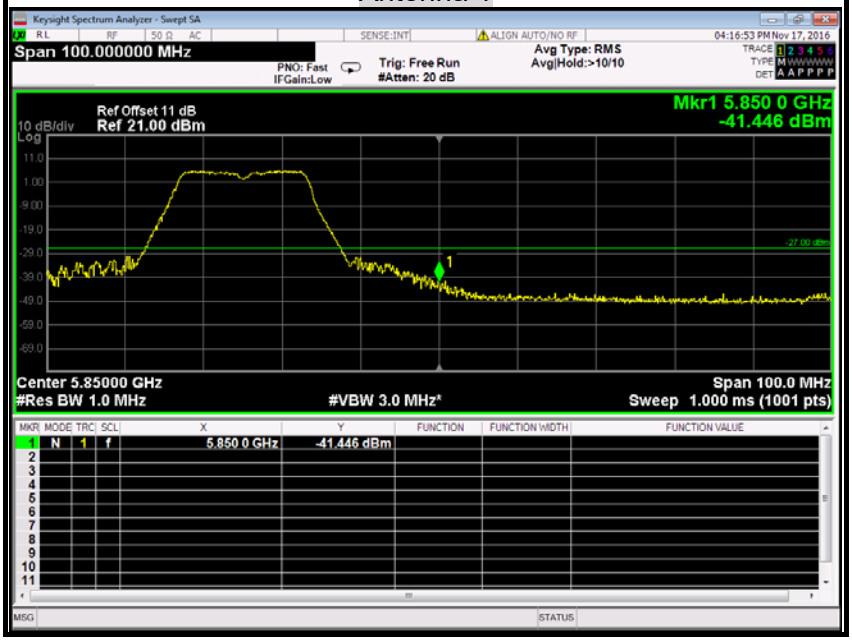
CH Low

Antenna 1



CH High

Antenna 1



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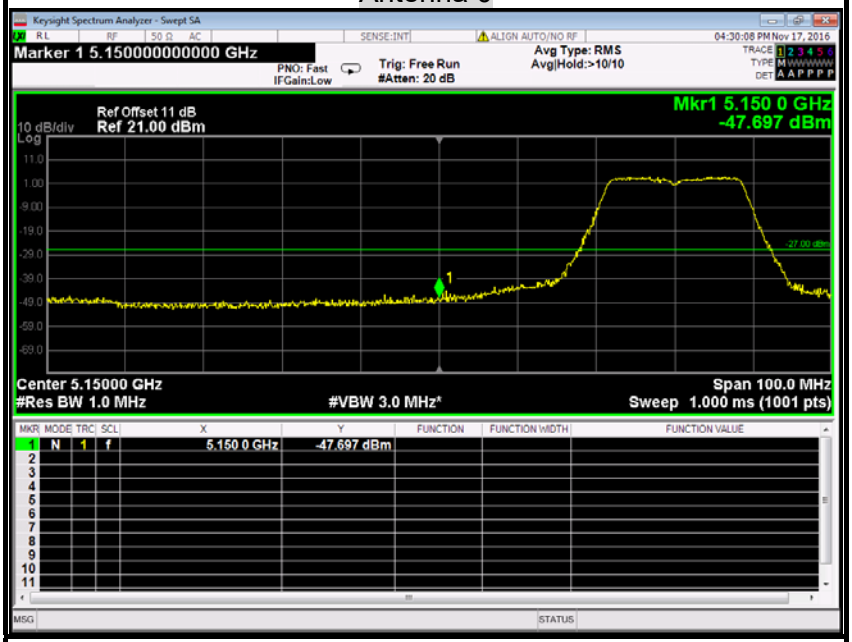
IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz

CH Low

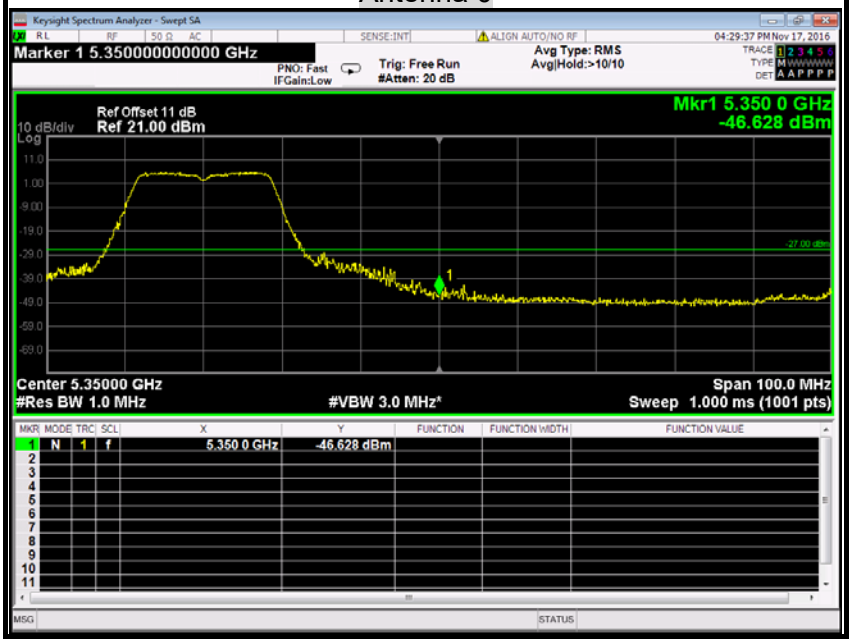
Antenna 0



IEEE 802.11n HT 20 MHz mode / 5260~ 5320MHz

CH High

Antenna 0



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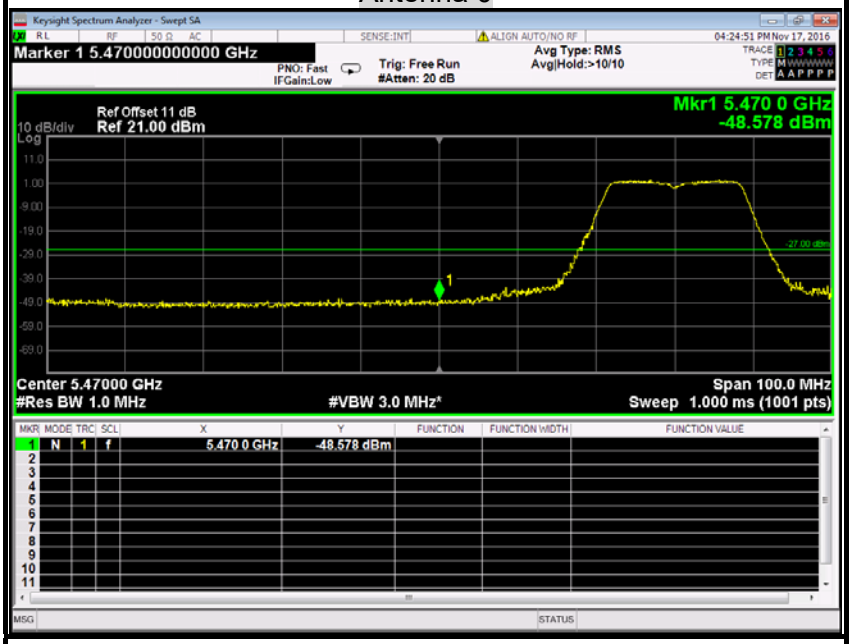
IEEE 802.11n HT 20 MHz mode / 5500 ~ 5580MHz; 5660 ~ 5700MHz

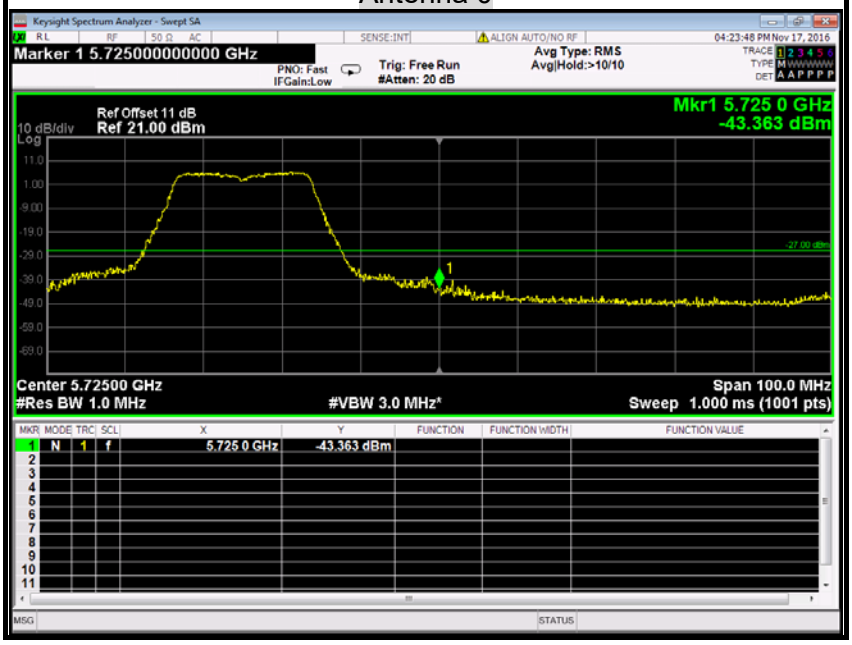
CH Low

Antenna 0



CH High

Antenna 0



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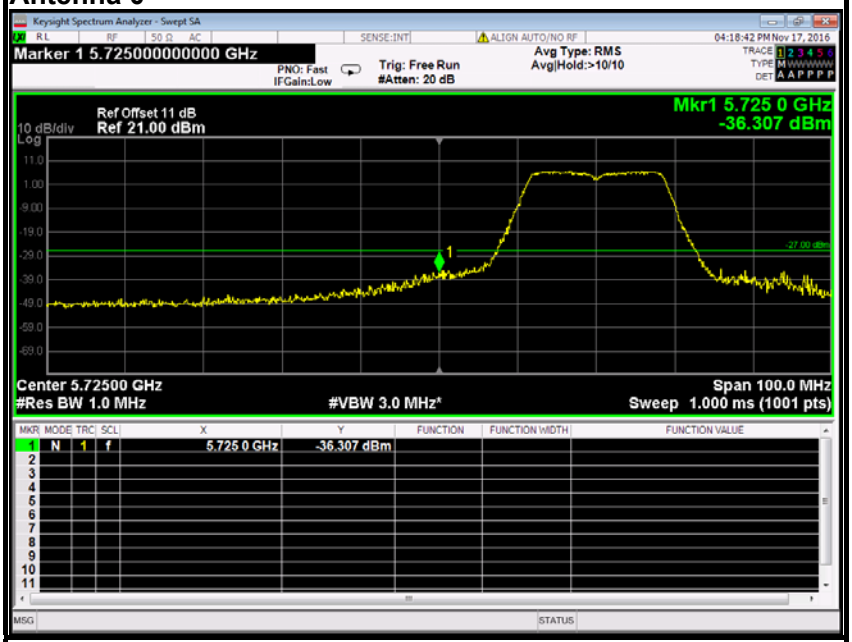
IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz

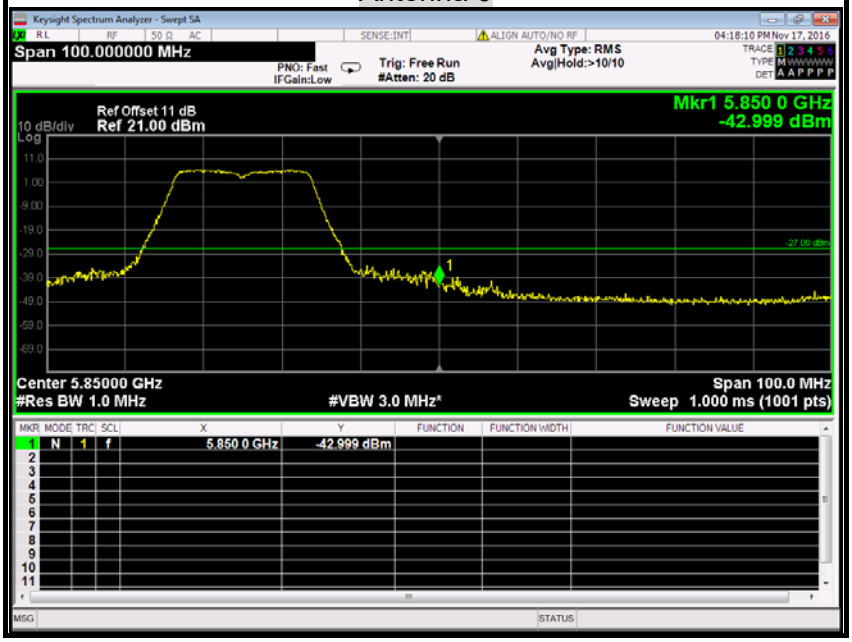
CH Low

Antenna 0



CH High

Antenna 0



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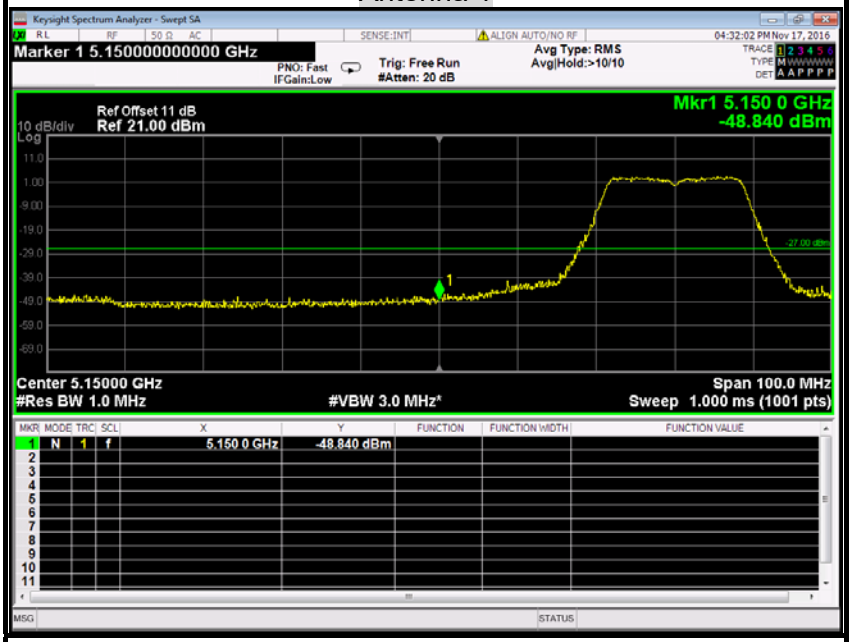
IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz

CH Low

Antenna 1



IEEE 802.11n HT 20 MHz mode / 5260~ 5320MHz

CH High

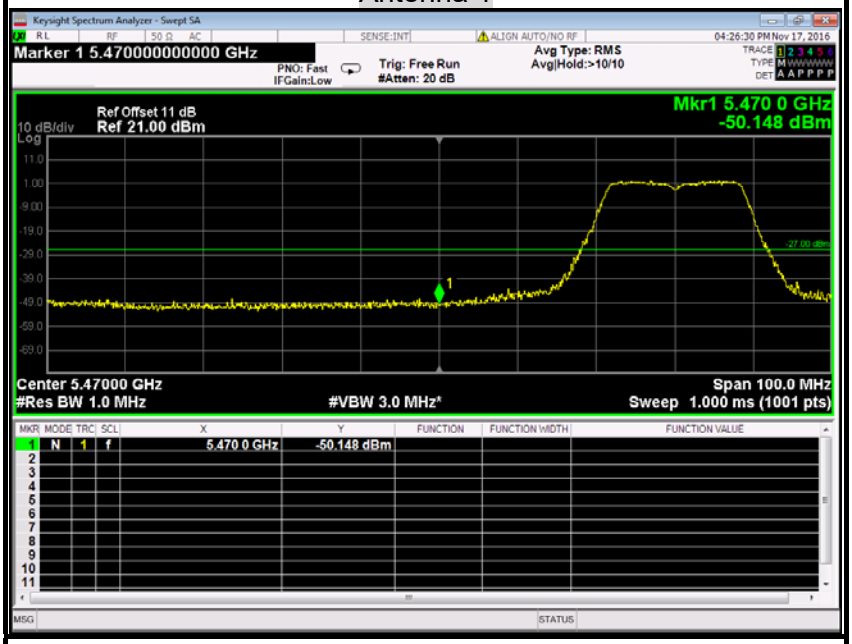
Antenna 1

This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

IEEE 802.11n HT 20 MHz mode / 5500 ~ 5580MHz; 5660 ~ 5700MHz

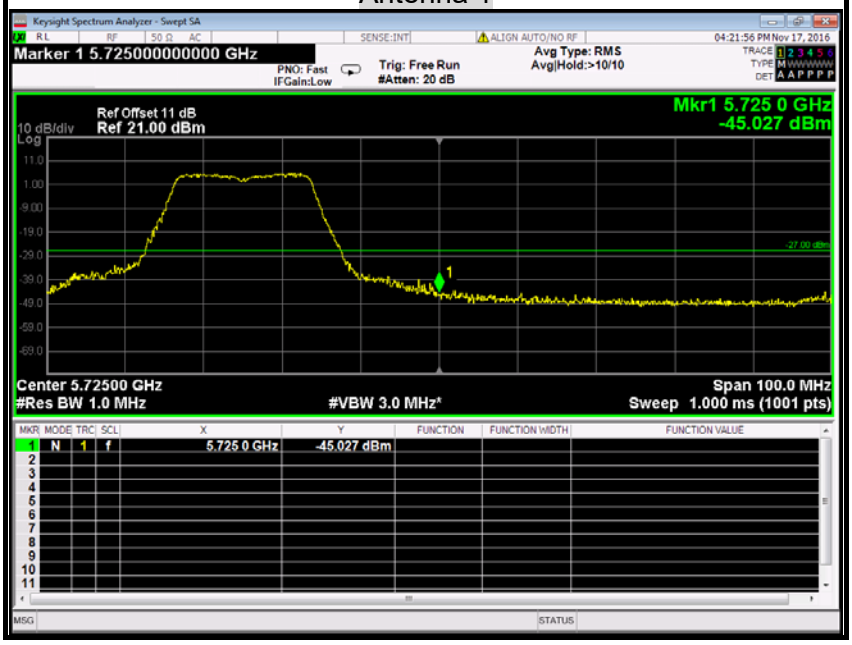
CH Low

Antenna 1



CH High

Antenna 1



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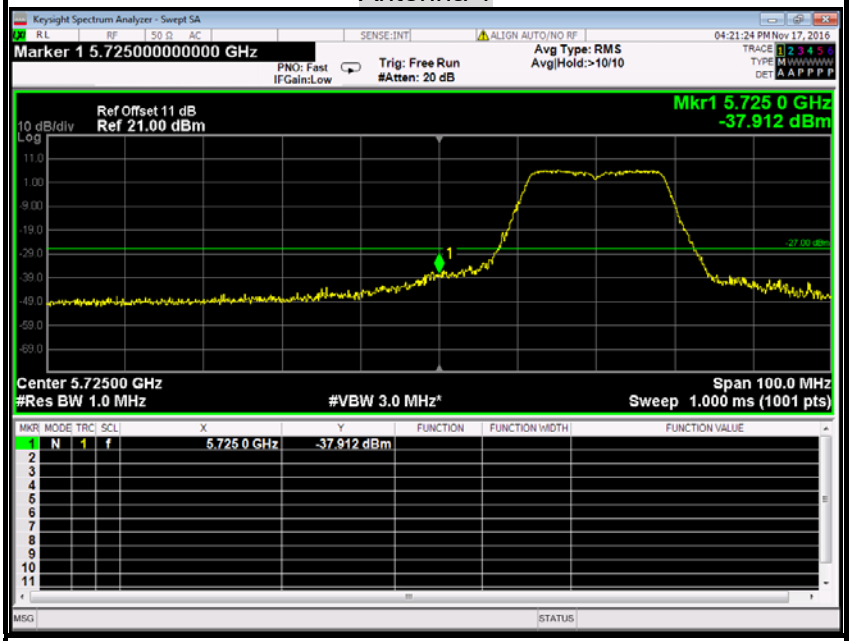
IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz

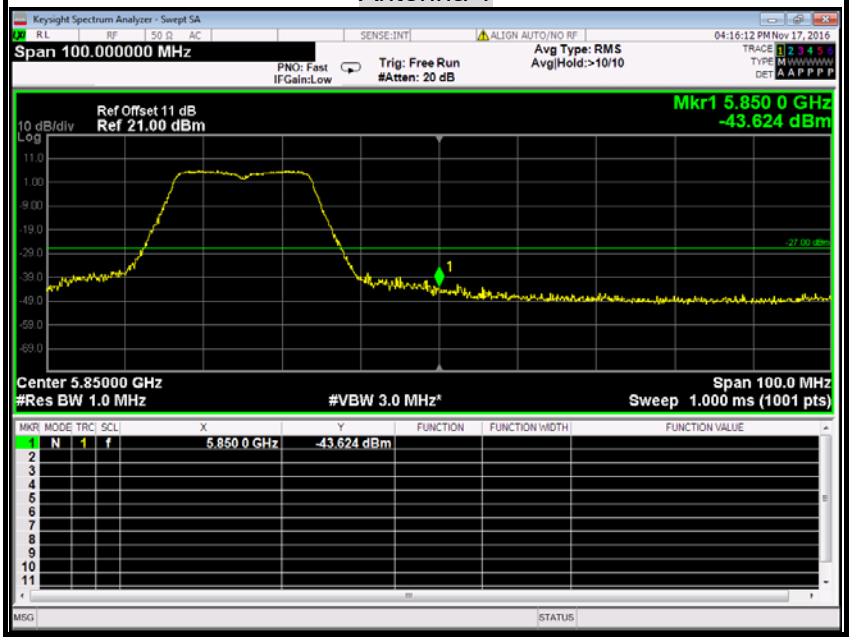
CH Low

Antenna 1



CH High

Antenna 1



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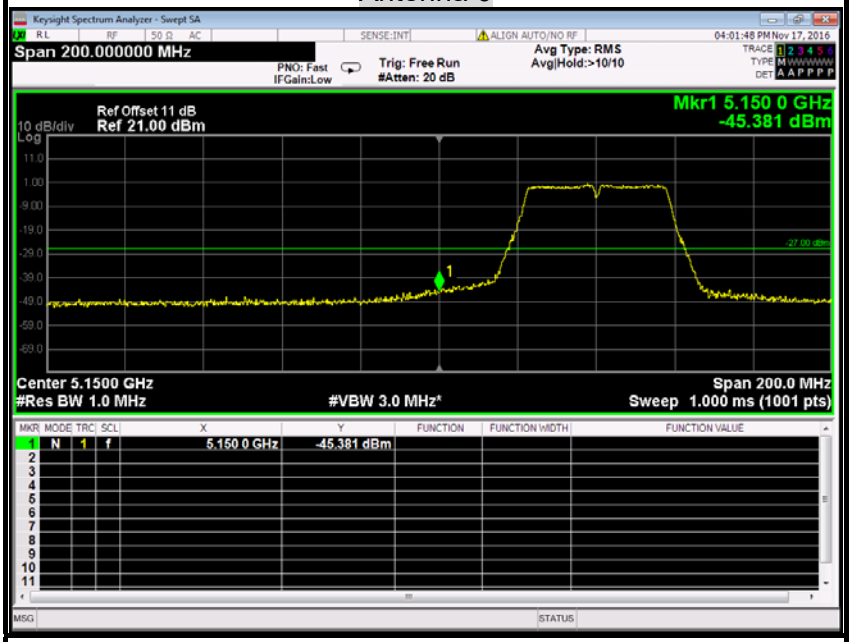
IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz

CH Low

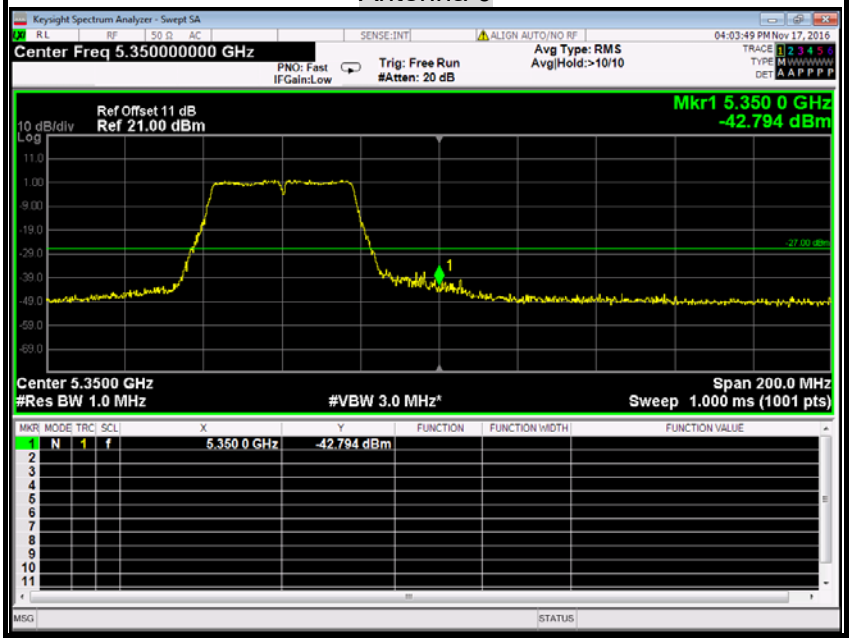
Antenna 0



IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz

CH High

Antenna 0



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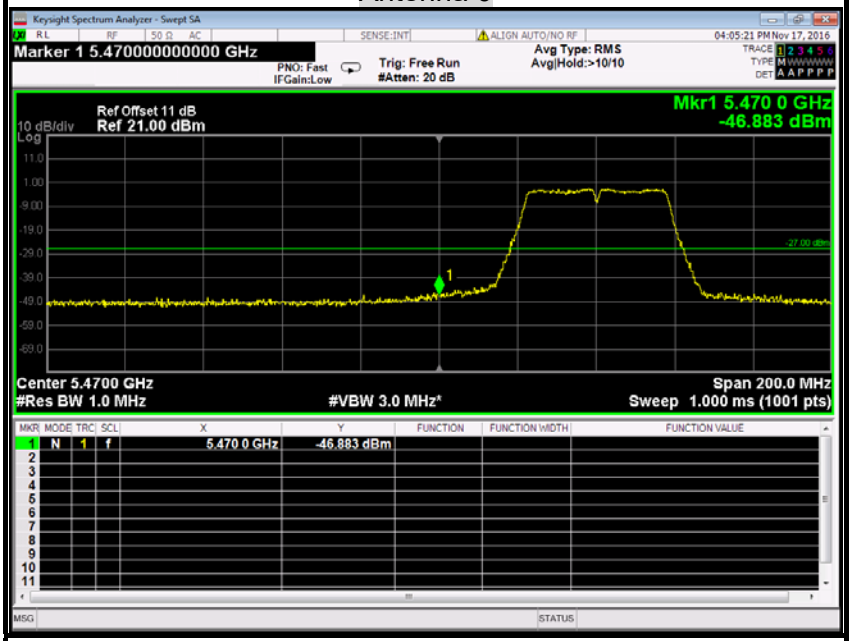
IEEE 802.11n HT 40 MHz mode / 5510~5550MHz; 5670MHz

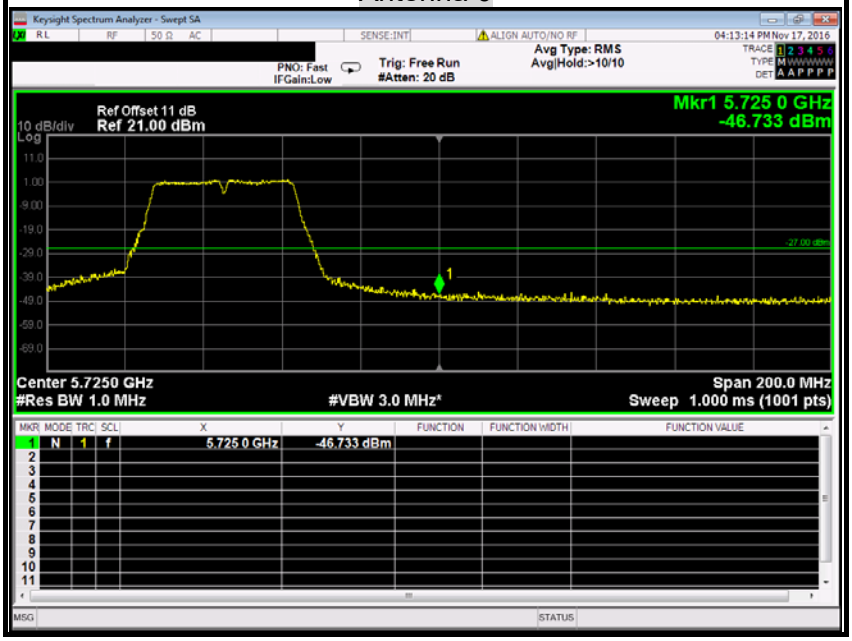
CH Low

Antenna 0



CH High

Antenna 0



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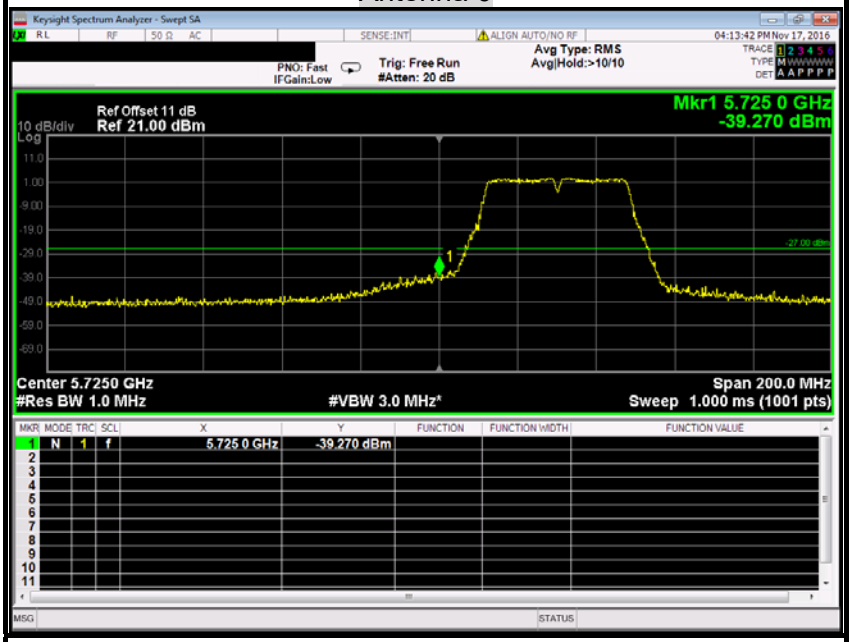
IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz

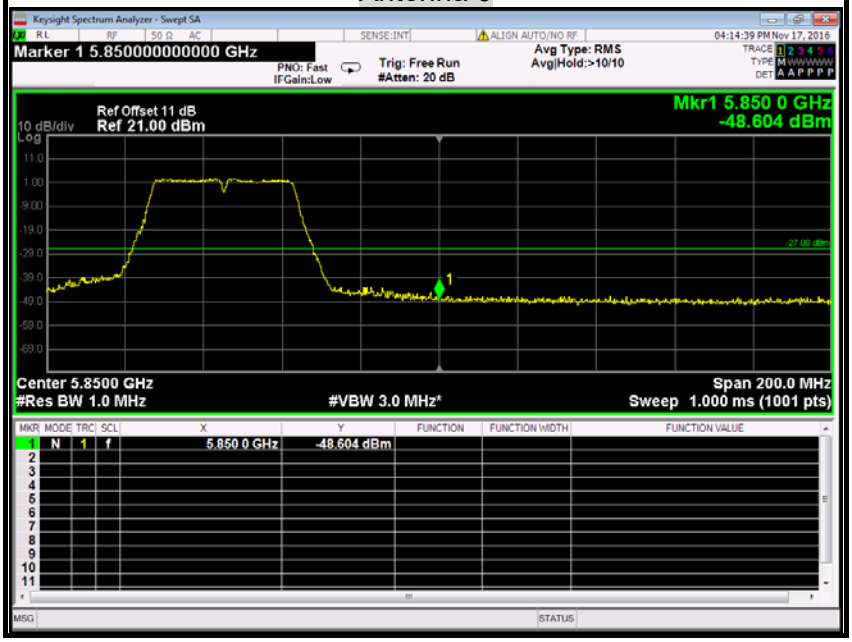
CH Low

Antenna 0



CH High

Antenna 0



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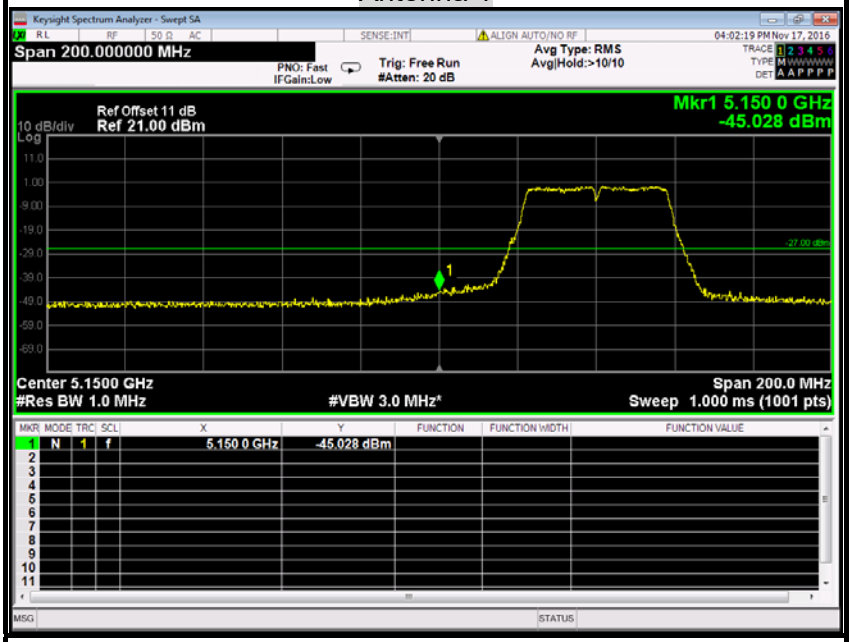
IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz

CH Low

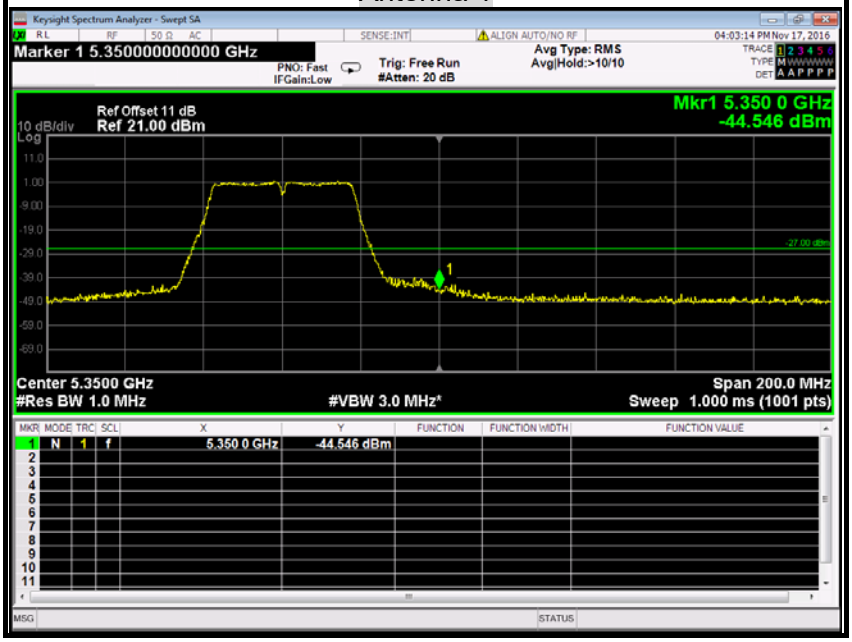
Antenna 1



IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz

CH High

Antenna 1



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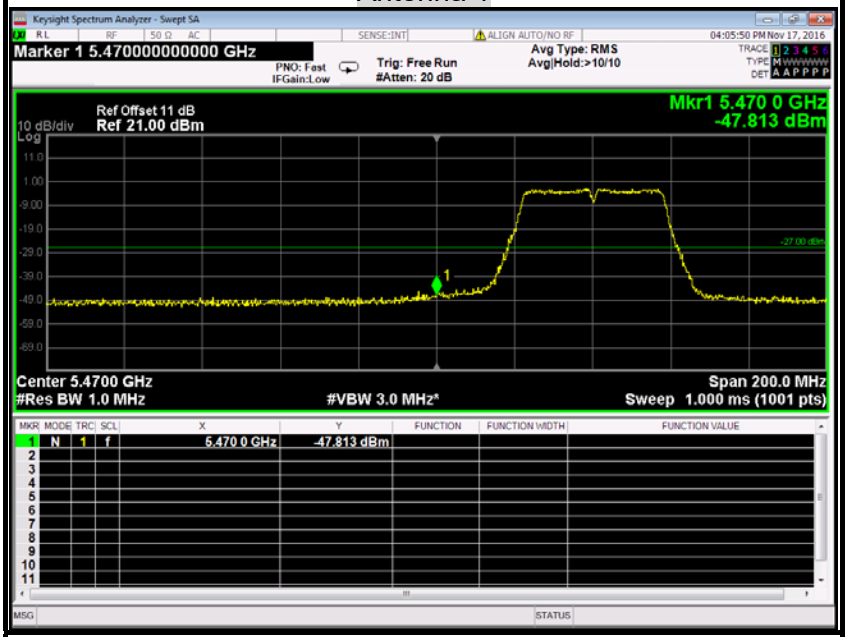
IEEE 802.11n HT 40 MHz mode / 5510~5550MHz; 5670MHz

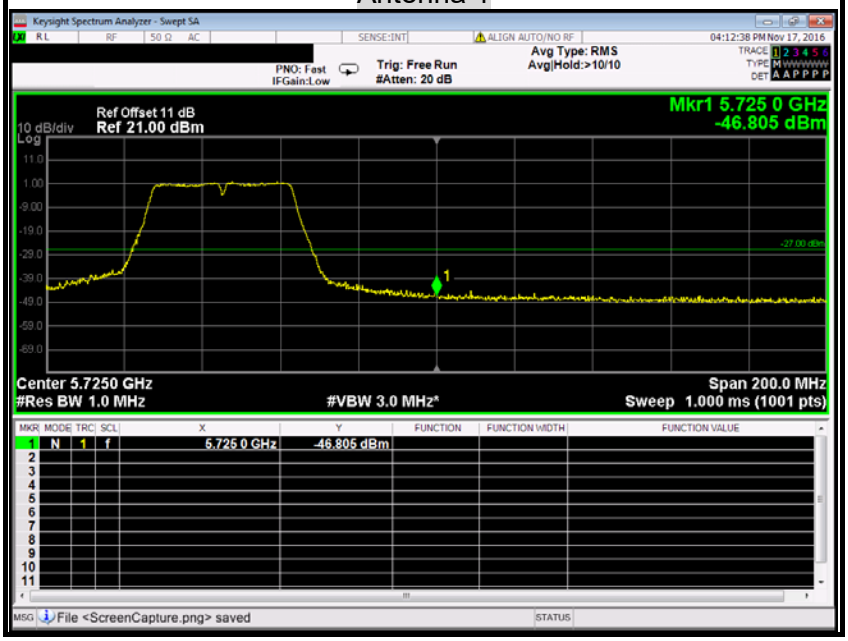
CH Low

Antenna 1



CH High

Antenna 1



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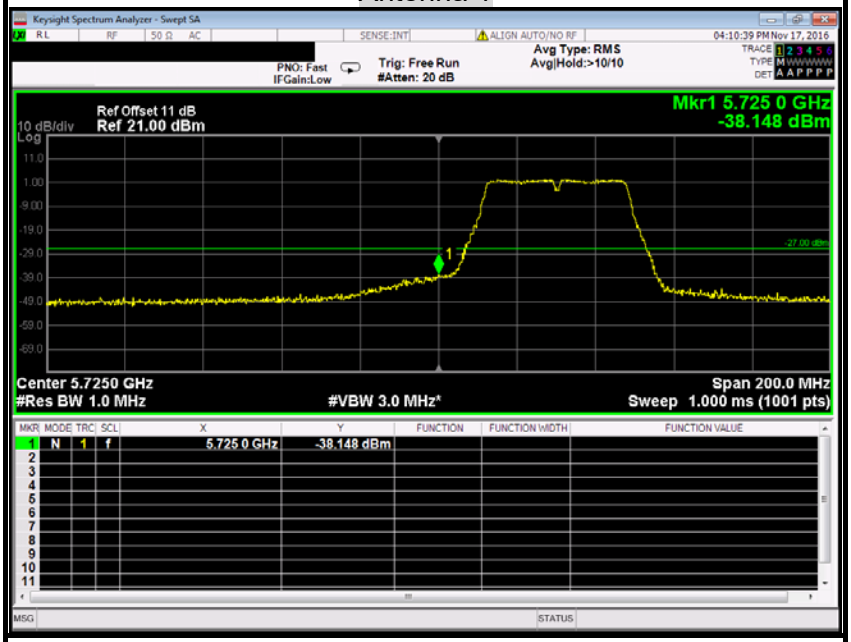
IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz

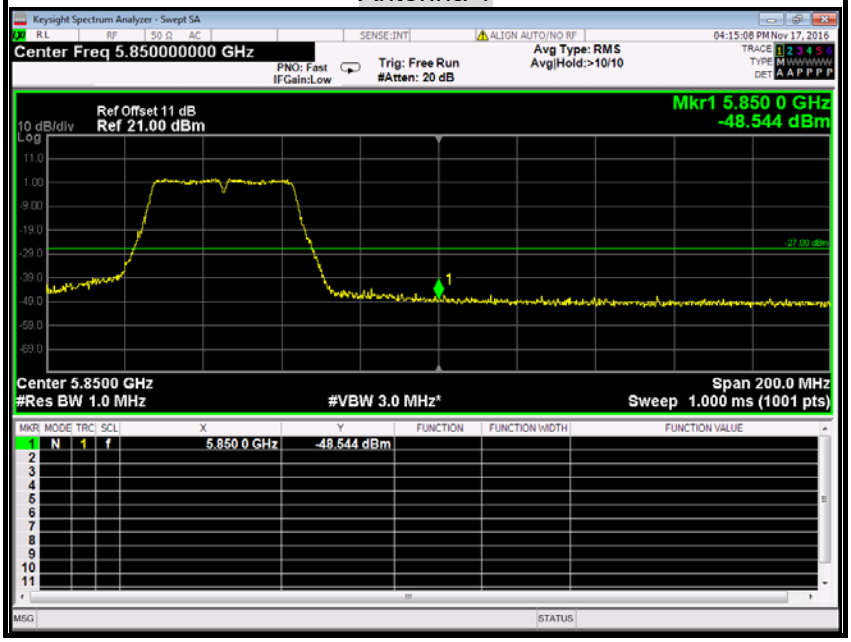
CH Low

Antenna 1



CH High

Antenna 1



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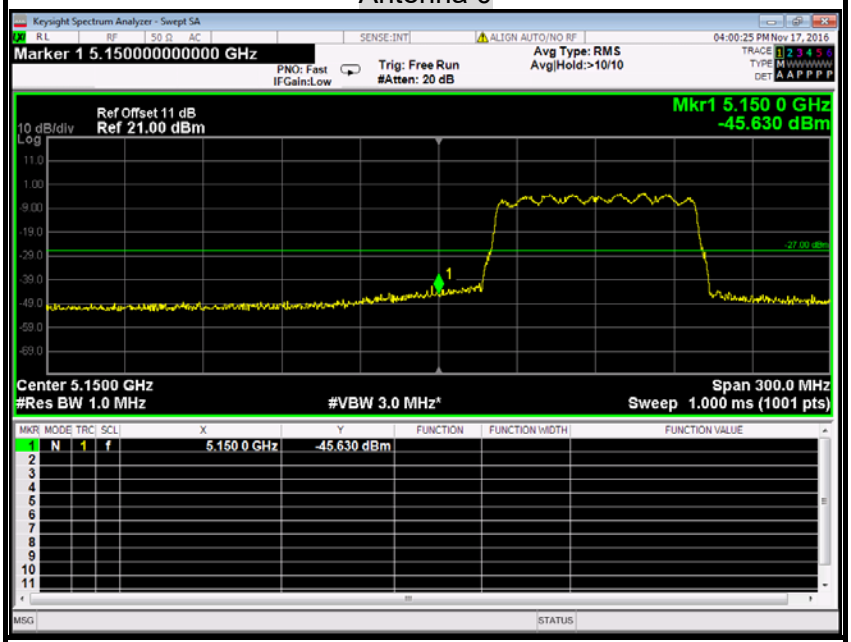
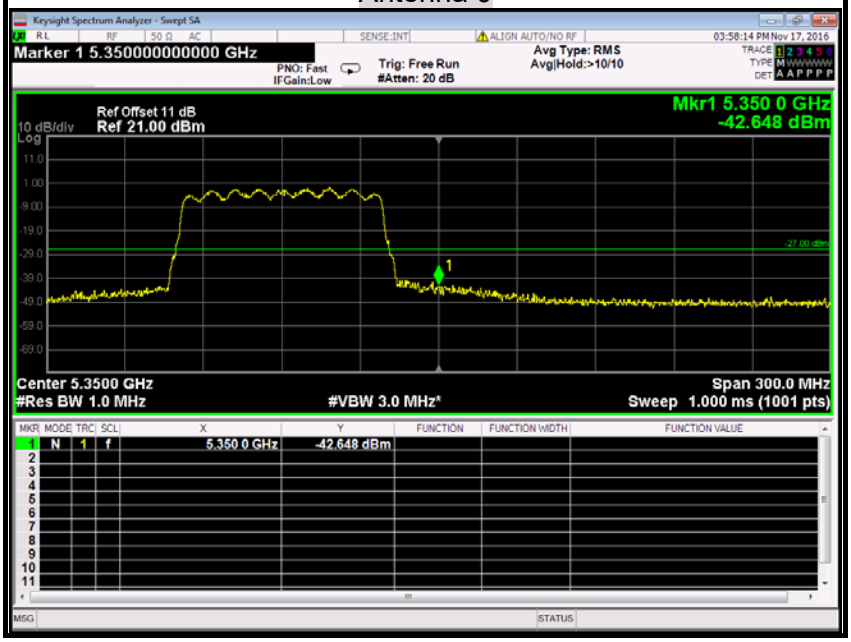
IEEE 802.11ac 80 mode / 5210MHz

Antenna 0



IEEE 802.11ac 80 mode / 5290MHz

Antenna 0



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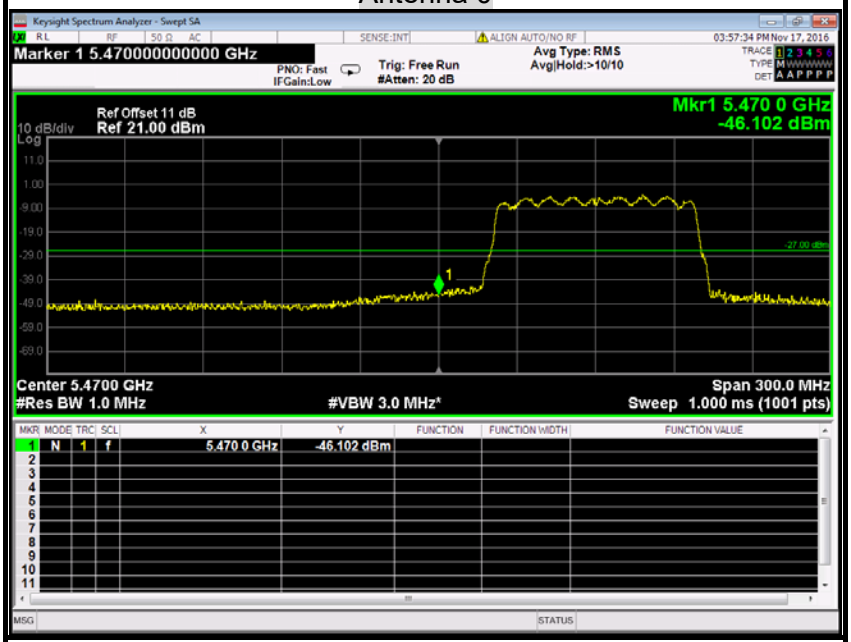
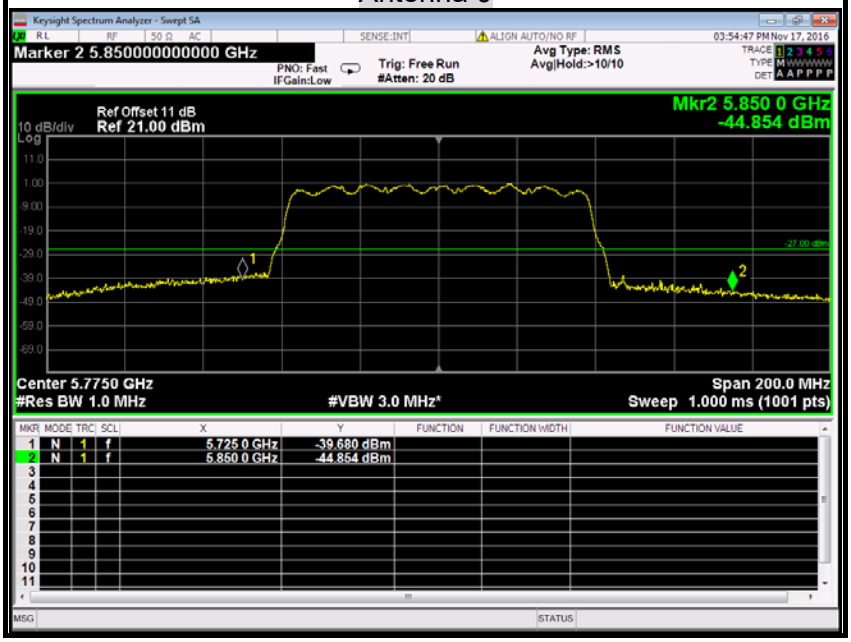
IEEE 802.11ac 80 mode / 5530MHz

Antenna 0



IEEE 802.11ac 80 mode / 5775MHz

Antenna 0



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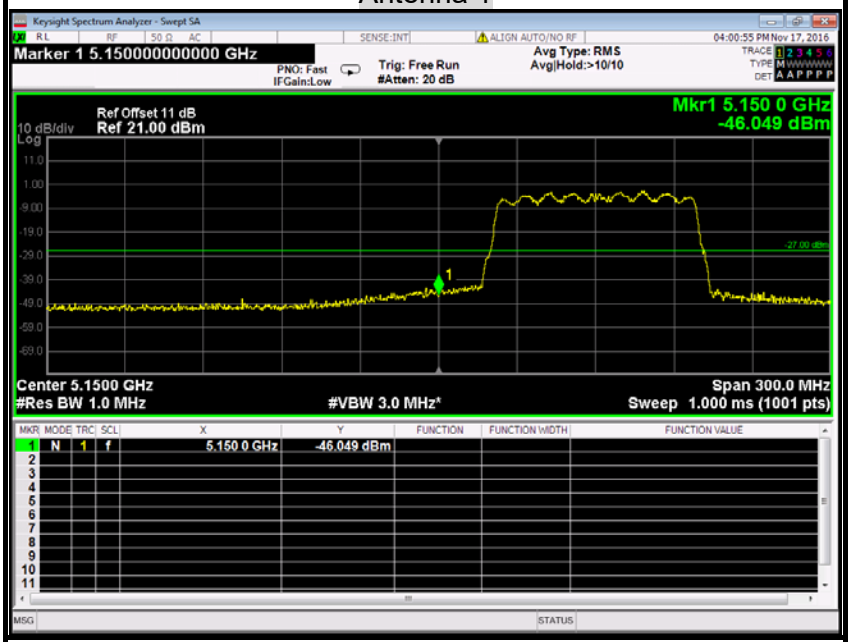
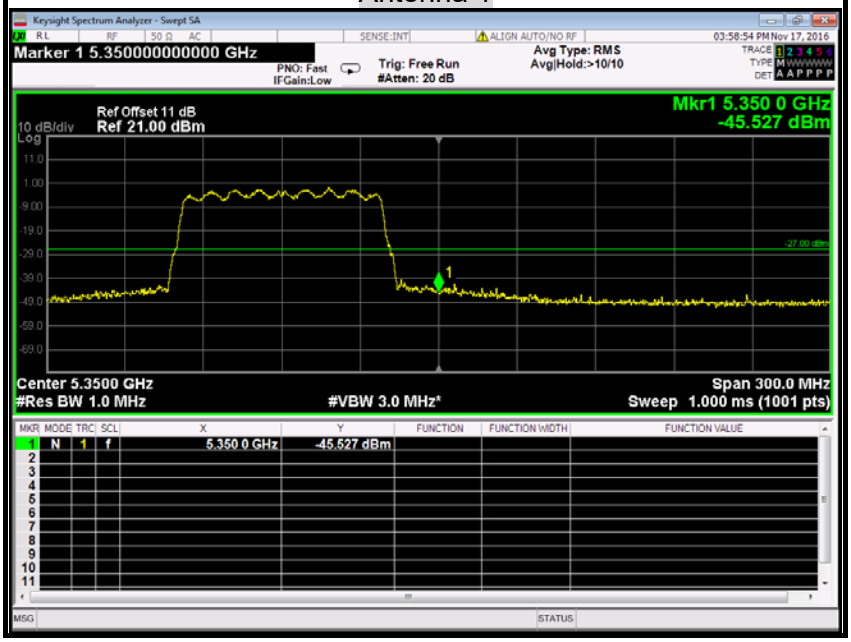
IEEE 802.11ac 80 mode / 5210MHz

Antenna 1



IEEE 802.11ac 80 mode / 5290MHz

Antenna 1



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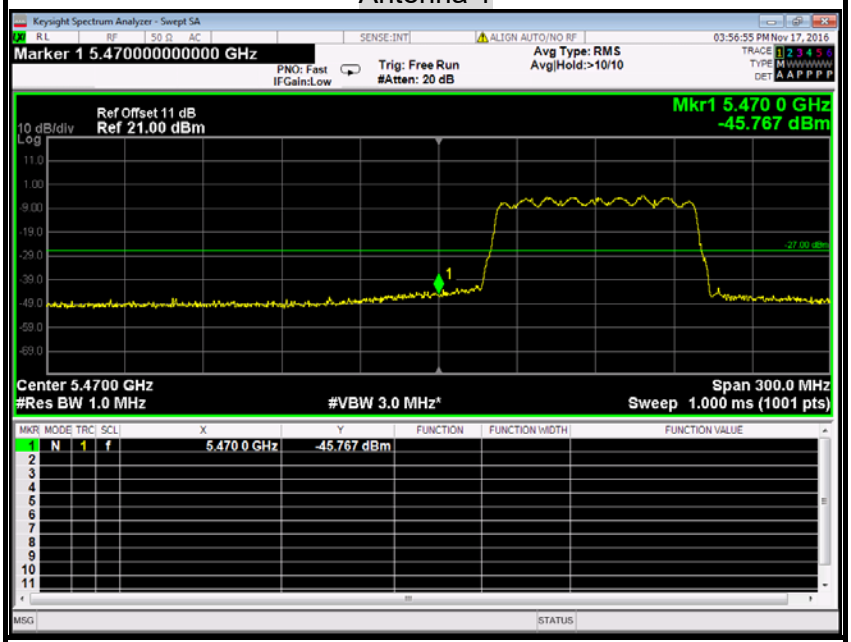
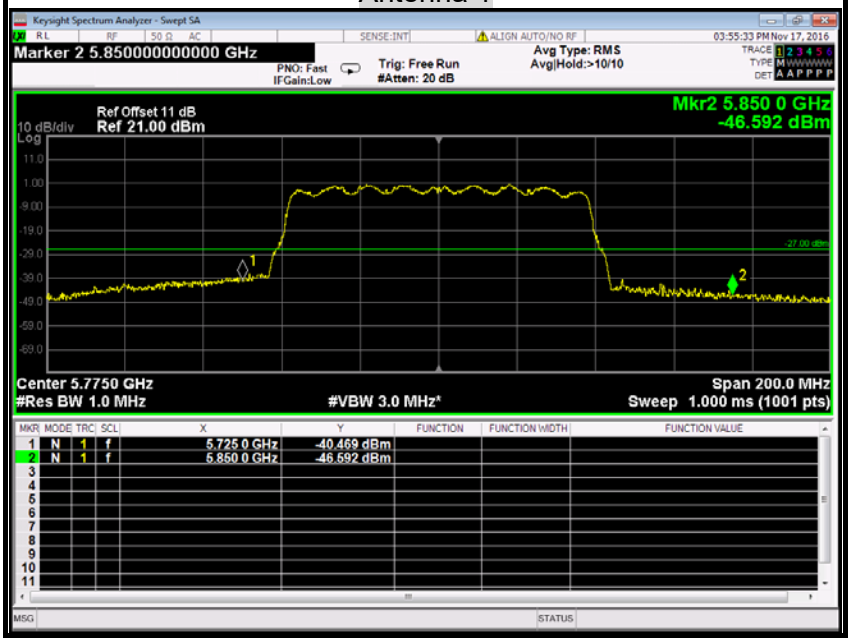
IEEE 802.11ac 80 mode / 5530MHz

Antenna 1



IEEE 802.11ac 80 mode / 5775MHz

Antenna 1



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6.8.4.1. LIMITS OF RADIATED EMISSIONS MEASUREMENT

All spurious emissions shall comply with the limits of RSS-Gen Table 2&5&6.

Table 2: Radiated Limits of Receiver Spurious Emissions

Frequency (MHz)	Field Strength (microvolts/m at 3 meters)*
30-88	100
88-216	150
216-960	200
Above 960	500

Note: **Measurements for compliance with limits in the above table may be performed at distances other than 3 metres, in accordance with Section 7.2.7*

Table 5: General Field Strength Limits for Transmitters at Frequencies Above 30 MHz

Frequency (MHz)	Field Strength (microvolts/m at 3 meters)*
30-88	100
88-216	150
216-960	200
Above 960	500

Note: *Transmitting devices are not permitted in restricted frequency bands or, unless stated otherwise, in TV bands (54-72 MHz, 76-88 MHz, 174-216 MHz, 470-608 MHz and 614-806 MHz)*

Table 6: General Field Strength Limits for Transmitters at Frequencies Below 30 MHz (Transmit)

Frequency (MHz)	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
0.009-0.490	2,400/F (F in kHz)	2,400/377F (F in kHz)	300
0.490-1.705	24,000/F (F in kHz)	24,000/377F (F in kHz)	30
1.705-30.0	30	N/A	30

Note: *The emission limits for the bands 9-90 kHz and 110-490 kHz are based on measurements employing an average detector.*

In the emission table above, the tighter limit applies at the band edges.

Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBμV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

NOTE: (1) The lower limit shall apply at the transition frequencies.

(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).

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6.8.4.2. TEST INSTRUMENTS

Radiated Emission Test Site 966（2）					
Name of Equipment	**Manufacturer**	**Model Number**	**Serial Number**	**Last Calibration**	**Due Calibration**
PSA Series Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2016	02/20/2017
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/21/2016	02/20/2017
Amplifier	EMEC	EM330	060661	03/18/2016	03/17/2017
High Noise Amplifier	Agilent	8449B	3008A01838	02/21/2016	02/20/2017
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170-497	02/28/2016	02/27/2017
Bilog Antenna	SCHAFFNER	CBL6143	5082	02/21/2016	02/20/2017
Horn Antenna	SCHWARZBECK	BBHA9120	D286	02/28/2016	02/27/2017
Loop Antenna	COM-POWER	AL-130	121044	09/25/2015	09/24/2016
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R
Controller	Sunol Sciences	SC104V	022310-1	N.C.R	N.C.R
Controller	CT	N/A	N/A	N.C.R	N.C.R
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/21/2016	02/20/2017
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R
Test S/W	FARAD	LZ-RF / CCS-SZ-3A2			

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The FCC Site Registration number is 101879.

3. N.C.R = No Calibration Required.

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6.8.4.3. MEASURING SETTING

The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB 100kHz for QP

6.8.4.4. TEST PROCEDURE (please refer to measurement standard)

1) Sequence of testing 9 kHz to 30 MHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions.

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Pre measurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna height is 0.8 meter.

--- At each turntable position the analyzer sweeps with peak detection to find the

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maximum of all emissions

Final measurement:

--- Identified emissions during the pre measurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the pre measurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Pre measurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height changes from 1 to 3 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

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Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

3) Sequence of testing 1 GHz to 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Pre measurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height scan range is 1 meter to 2.5 meter.

--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

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Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.
--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the pre measurement with marked maximum final measurements and the limit will be stored.

4) Sequence of testing above 18 GHz
Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 1 meter.

--- The EUT was set into operation.

Pre measurement:

--- The antenna is moved spherical over the EUT in different polarisations of the antenna.

Final measurement:

--- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.
--- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

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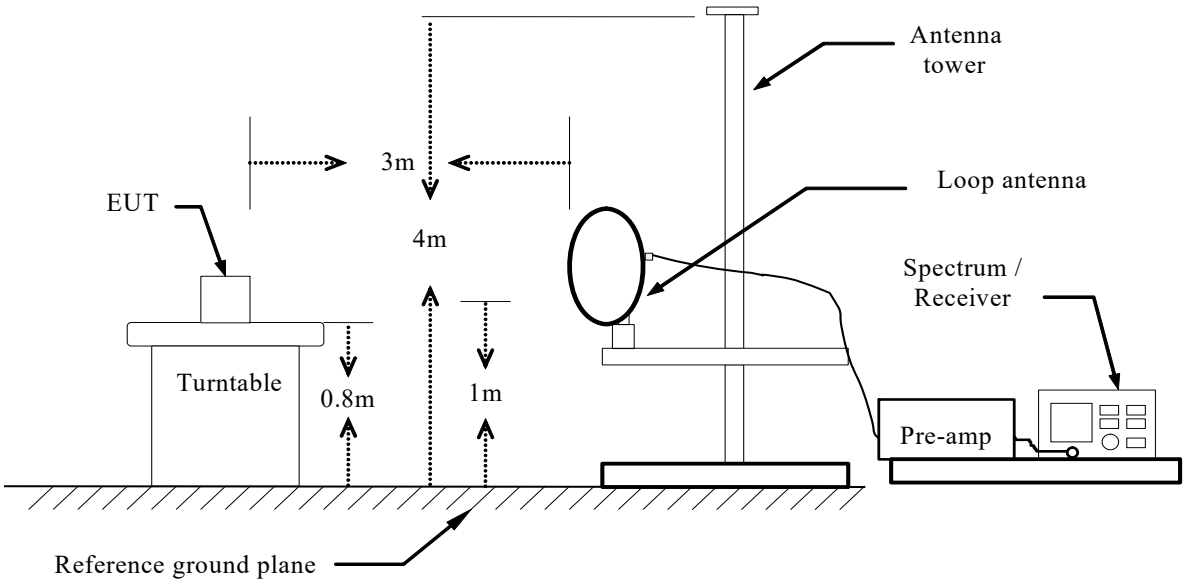
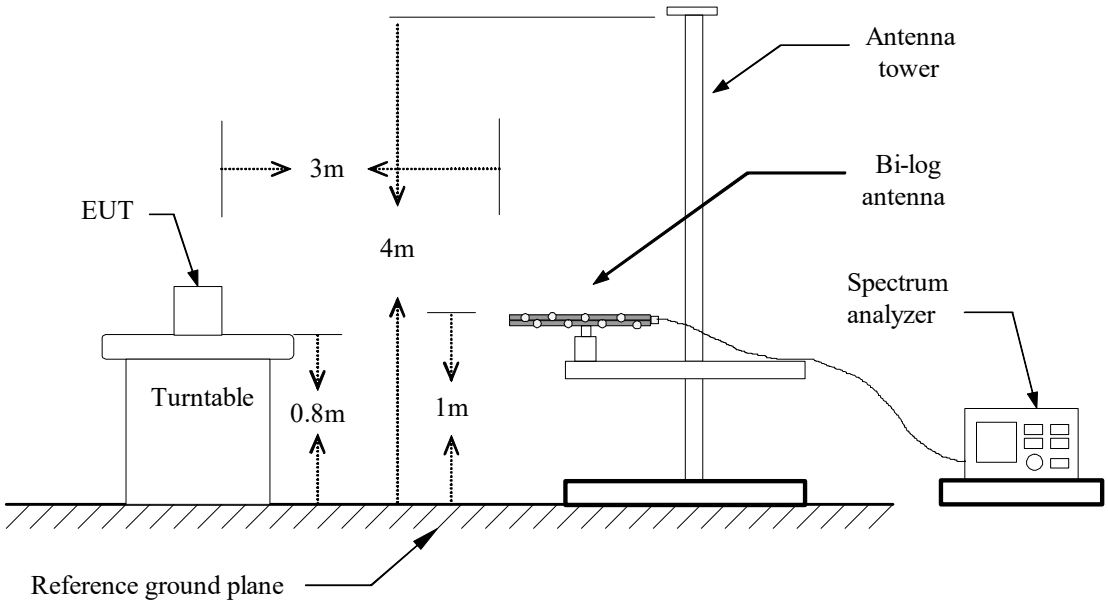
6.8.4.5. TEST SETUP

Below 30MHz



Below 1 GHz



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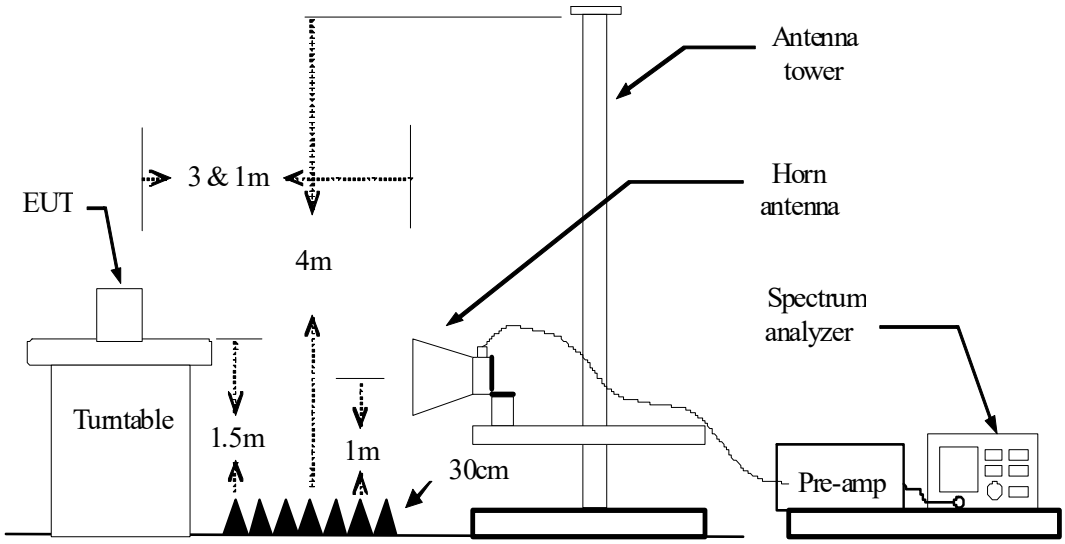
Above 1 GHz



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

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6.8.4.6. DATA SAPLE

Below 1GHz

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
XXX.XXXX	36.37	-12.20	24.17	40.00	-15.83	V	QP

Frequency (MHz) = Emission frequency in MHz
Reading (dBuV) = Uncorrected Analyzer / Receiver reading
Correct Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)
Limit (dBuV/m) = Limit stated in standard
Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
Q.P. = Quasi-peak Reading

Above 1GHz

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
XXXX.XXXX	62.09	-11.42	50.67	74.00	-23.33	V	Peak
XXXX.XXXX	49.78	-11.42	38.36	54.00	-15.64	V	AVG

Frequency (MHz) = Emission frequency in MHz
Reading (dBuV) = Uncorrected Analyzer / Receiver reading
Correction Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)
Limit (dBuV/m) = Limit stated in standard
Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
Peak = Peak Reading
AVG = Average Reading

Calculation Formula

Margin (dB) = Result (dBuV/m) – Limits (dBuV/m)
Result (dBuV/m) = Reading (dBuV) + Correction Factor

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6.8.4.7. TEST RESULTS

Below 1 GHz

Test Mode: TX / IEEE 802.11a / 5180MHz /(CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 31, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
37.7600	48.35	-15.48	32.87	40.00	-7.13	V	QP
103.7200	43.94	-22.99	20.95	43.50	-22.55	V	QP
197.8100	49.47	-22.76	26.71	43.50	-16.79	V	QP
457.7700	44.30	-15.24	29.06	46.00	-16.94	V	QP
545.0700	42.08	-13.19	28.89	46.00	-17.11	V	QP
570.2900	41.31	-13.02	28.29	46.00	-17.71	V	QP
37.7600	48.90	-15.48	33.42	40.00	-6.58	H	QP
197.8100	56.19	-22.76	33.43	43.50	-10.07	H	QP
332.6400	43.81	-18.33	25.48	46.00	-20.52	H	QP
405.3900	41.80	-15.83	25.97	46.00	-20.03	H	QP
476.2000	42.08	-14.50	27.58	46.00	-18.42	H	QP
545.0700	39.75	-13.19	26.56	46.00	-19.44	H	QP

Pre-scan all mode and recorded the worst case results in this report (802.11a (Low Mid)).

Remark:

1. *No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz)*
2. *Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using peak/quasi-peak detector mode.*
3. *Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Quasi-peak limit (dBuV/m).*

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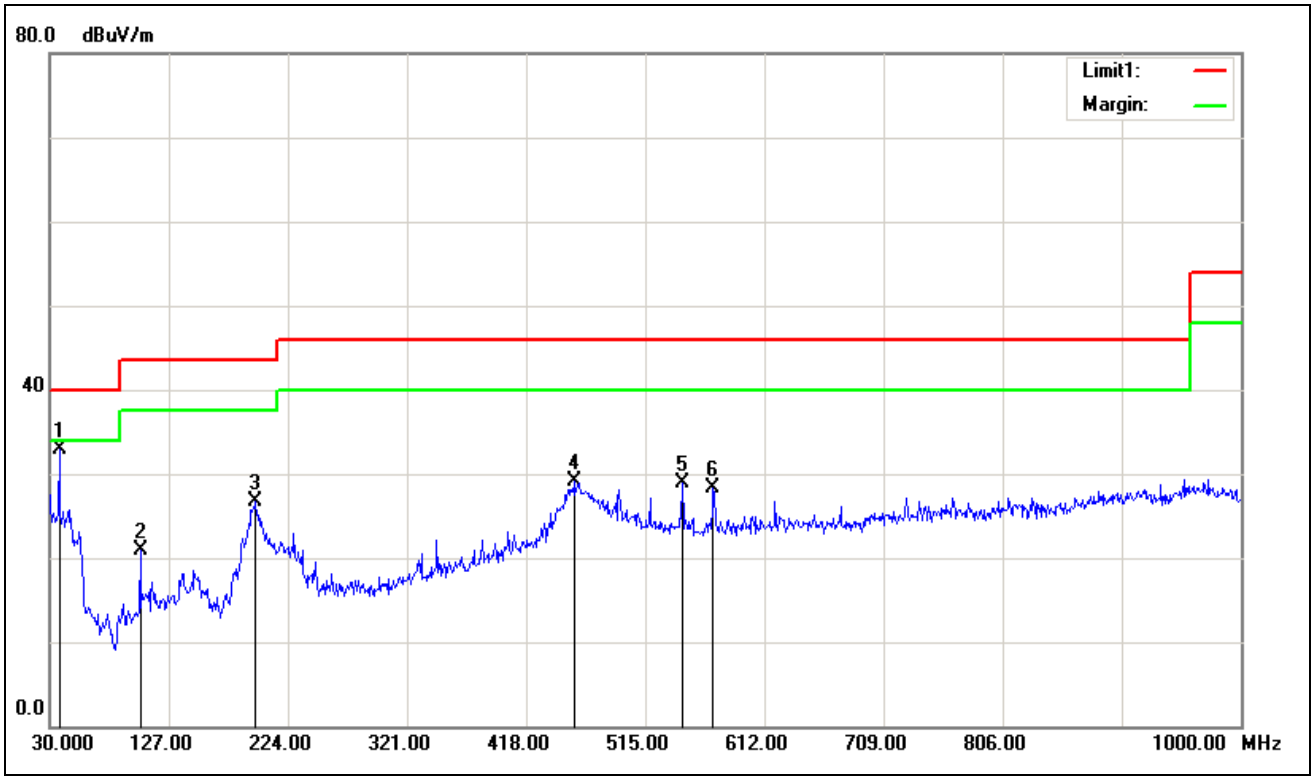
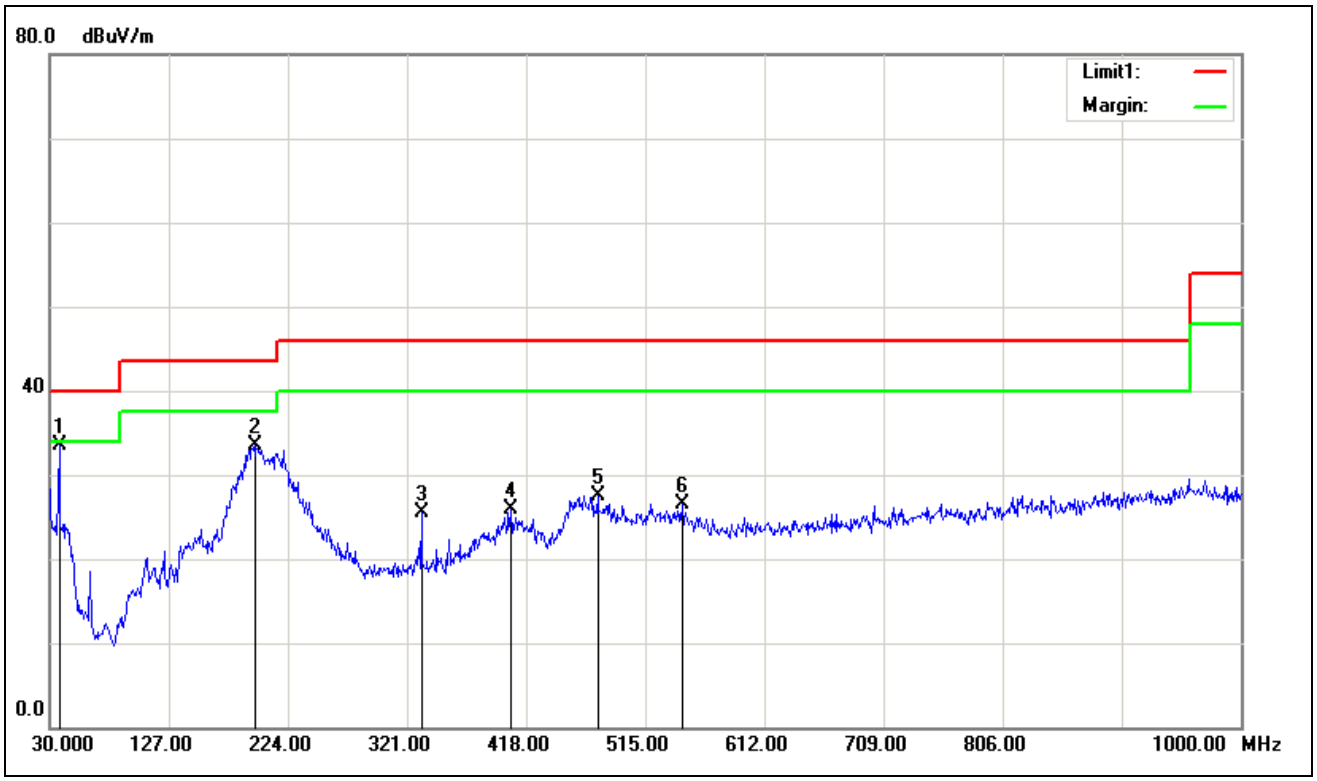
Vertical



Horizontal



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Above 1 GHz

1GHz~6GHz

Test Mode: TX / IEEE 802.11a / 5180MHz /(CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1240.000	51.00	-7.64	43.36	74.00	-30.64	V	peak
1465.000	50.54	-6.94	43.60	74.00	-30.40	V	peak
1660.000	50.82	-6.57	44.25	74.00	-29.75	V	peak
2200.000	47.61	-3.90	43.71	74.00	-30.29	V	peak
3375.000	43.28	-0.73	42.55	74.00	-31.45	V	peak
4960.000	42.16	4.85	47.01	74.00	-26.99	V	peak
1400.000	51.66	-7.06	44.60	74.00	-29.40	H	Peak
1800.000	47.88	-6.27	41.61	74.00	-32.39	H	Peak
2500.000	45.84	-2.26	43.58	74.00	-30.42	H	Peak
3200.000	43.65	-1.02	42.63	74.00	-31.37	H	peak
4070.000	42.60	1.84	44.44	74.00	-29.56	H	peak
4725.000	42.55	4.08	46.63	74.00	-27.37	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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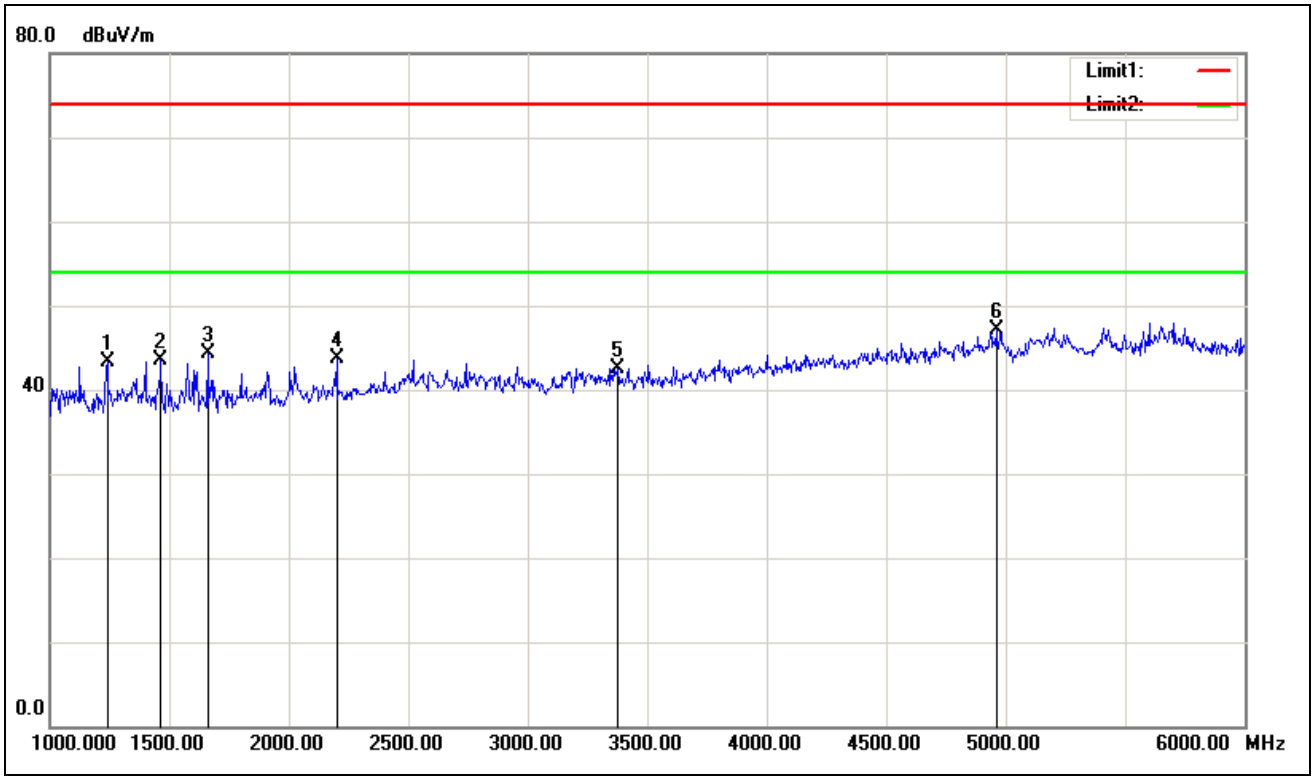
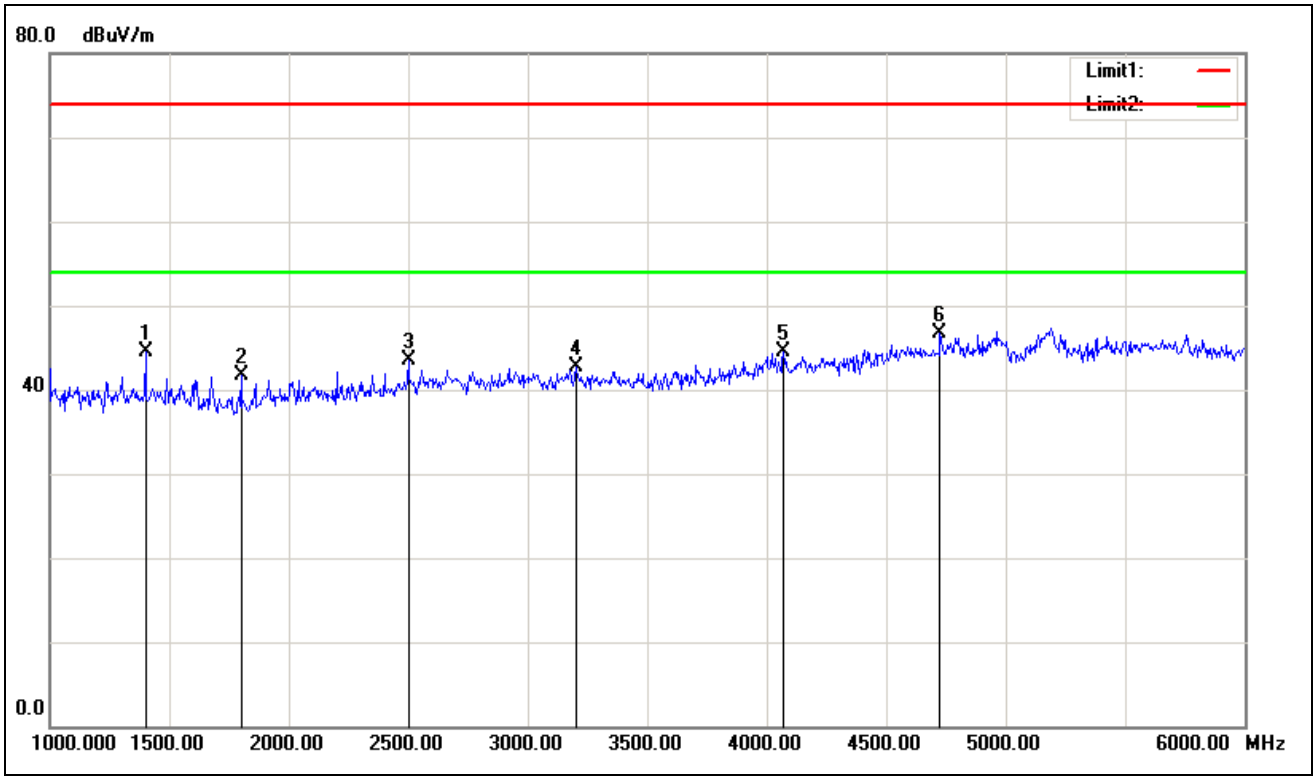
Vertical



Horizontal



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Above 6GHz

Antenna 0

Test Mode: TX / IEEE 802.11a / 5180MHz /(CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7752.000	31.72	9.17	40.89	74.00	-33.11	V	peak
8376.000	31.74	9.44	41.18	74.00	-32.82	V	peak
10776.000	29.47	14.39	43.86	74.00	-30.14	V	peak
11844.000	30.44	14.71	45.15	74.00	-28.85	V	peak
12996.000	28.97	17.94	46.91	74.00	-27.09	V	peak
15540.000	34.68	18.70	53.38	74.00	-20.62	V	peak
15540.000	31.44	18.70	50.14	54.00	-3.86	V	AVG
8352.000	31.58	9.46	41.04	74.00	-32.96	H	Peak
9612.000	30.77	10.86	41.63	74.00	-32.37	H	Peak
10764.000	29.21	14.35	43.56	74.00	-30.44	H	Peak
11820.000	29.97	14.72	44.69	74.00	-29.31	H	peak
13008.000	28.75	17.97	46.72	74.00	-27.28	H	peak
15540.000	31.26	18.70	49.96	74.00	-24.04	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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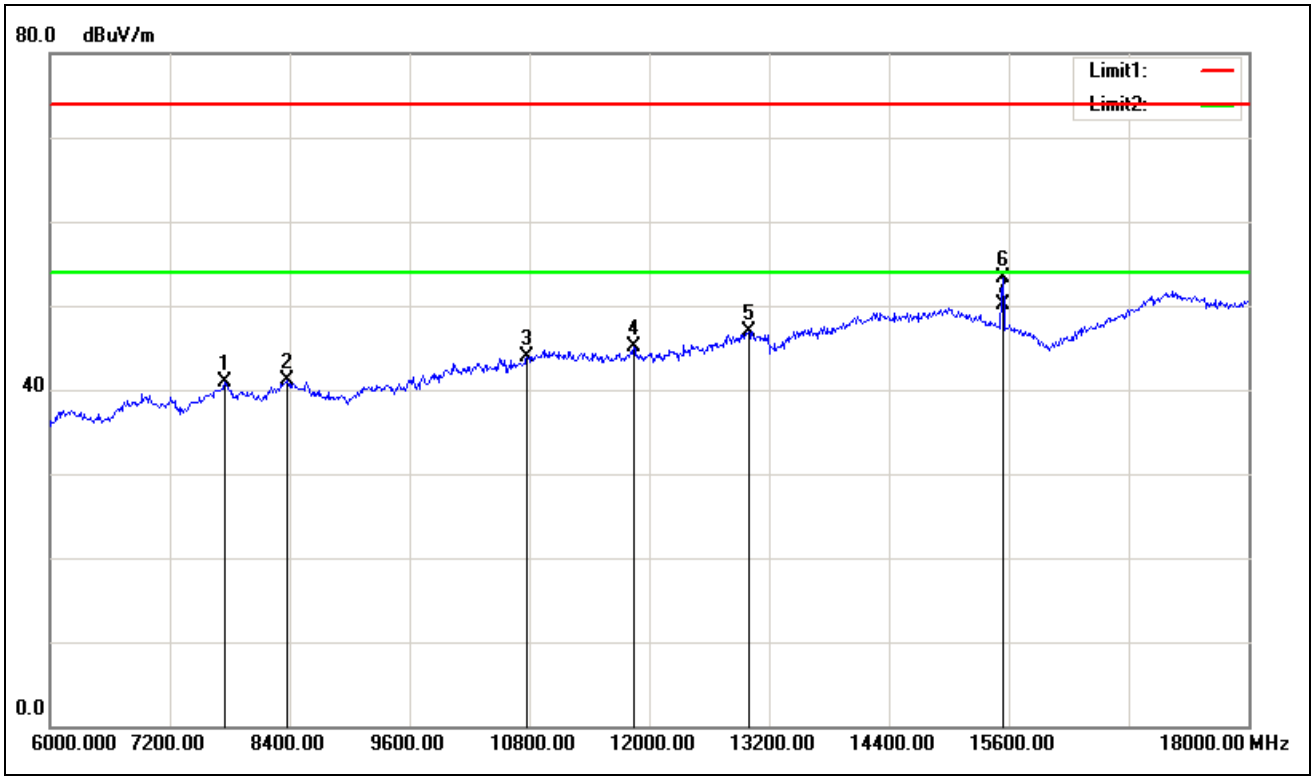
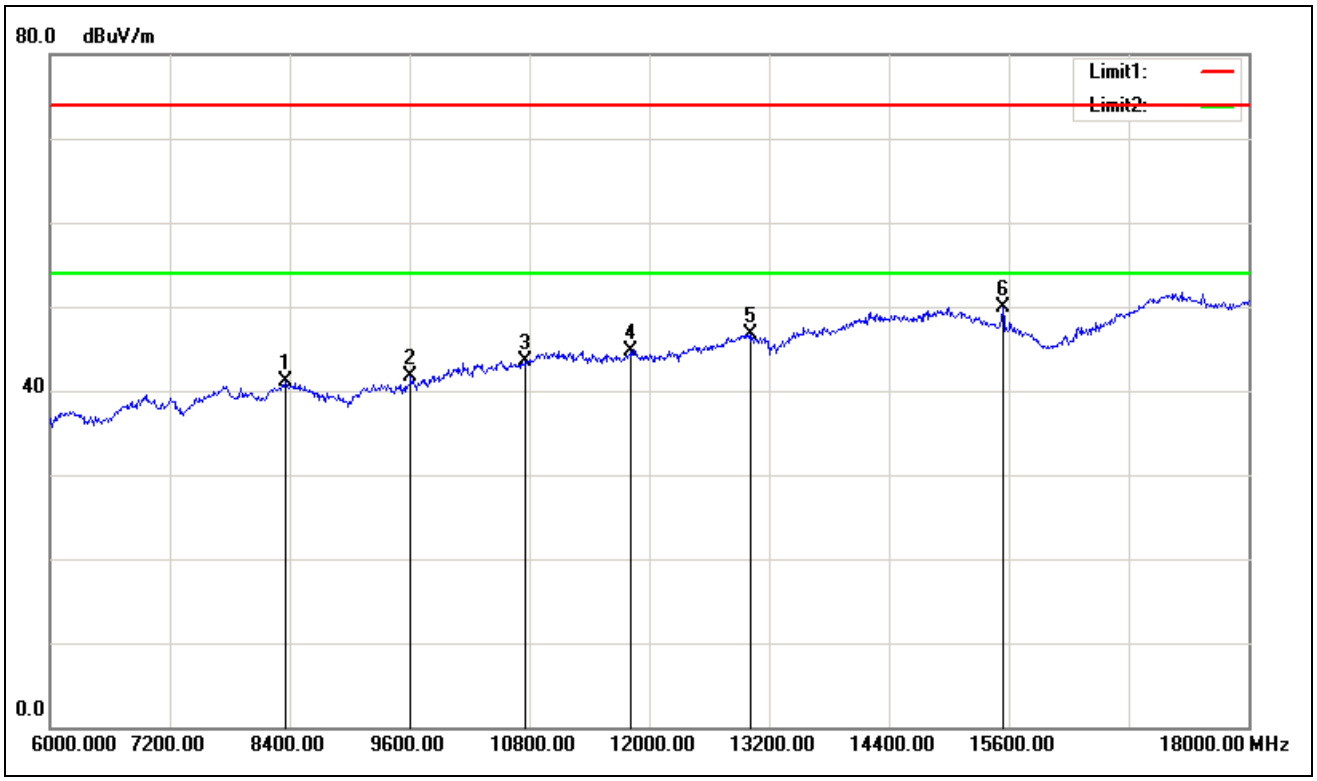
Vertical



Horizontal



This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

Test Mode: TX / IEEE 802.11a / 5200MHz /(CH Mid) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7728.000	31.14	9.12	40.26	74.00	-33.74	V	peak
8364.000	31.40	9.45	40.85	74.00	-33.15	V	peak
11316.000	29.74	14.94	44.68	74.00	-29.32	V	peak
12960.000	28.87	17.82	46.69	74.00	-27.31	V	peak
14196.000	28.17	20.69	48.86	74.00	-25.14	V	peak
15600.000	34.23	18.43	52.66	74.00	-21.34	V	peak
15600.000	30.29	18.43	48.72	54.00	-5.28	V	AVG
7764.000	31.36	9.19	40.55	74.00	-33.45	H	Peak
8376.000	31.43	9.44	40.87	74.00	-33.13	H	Peak
10296.000	30.32	12.90	43.22	74.00	-30.78	H	Peak
11208.000	29.87	14.99	44.86	74.00	-29.14	H	peak
12960.000	28.98	17.82	46.80	74.00	-27.20	H	peak
15600.000	32.46	18.43	50.89	74.00	-23.11	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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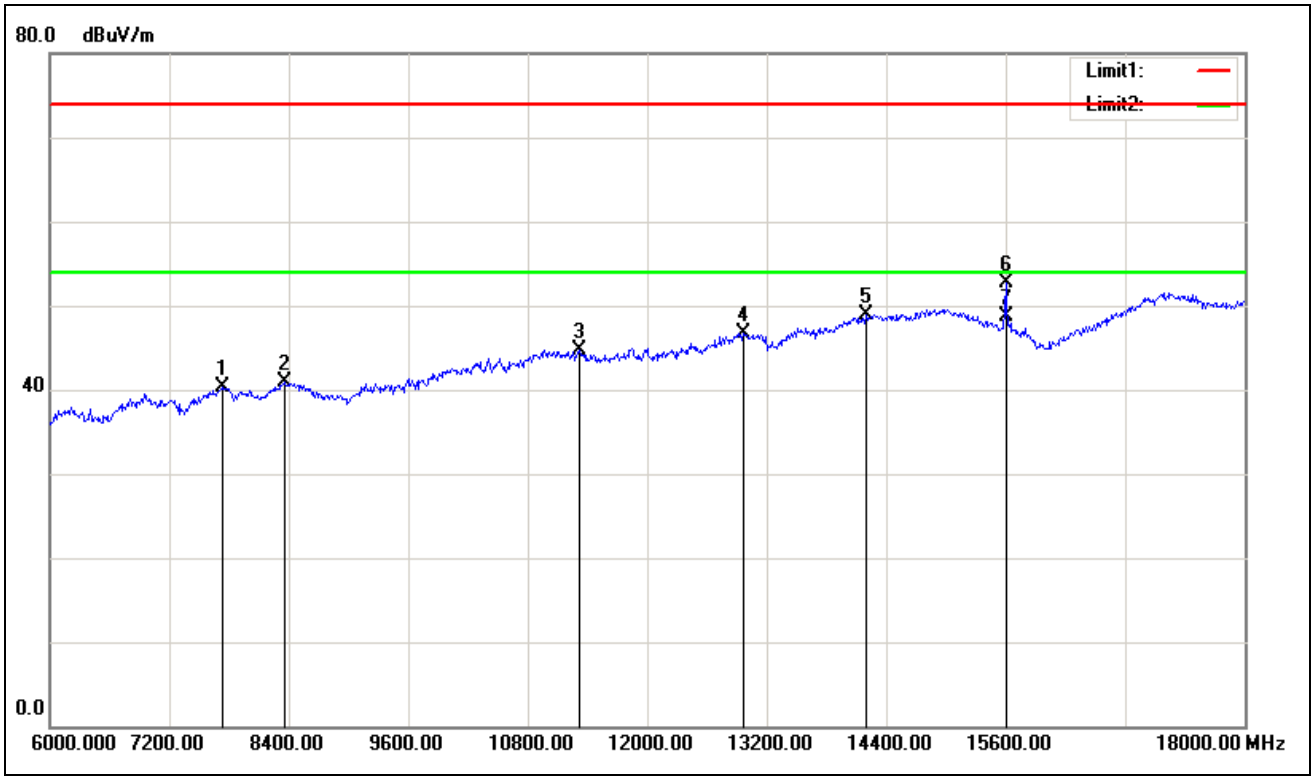
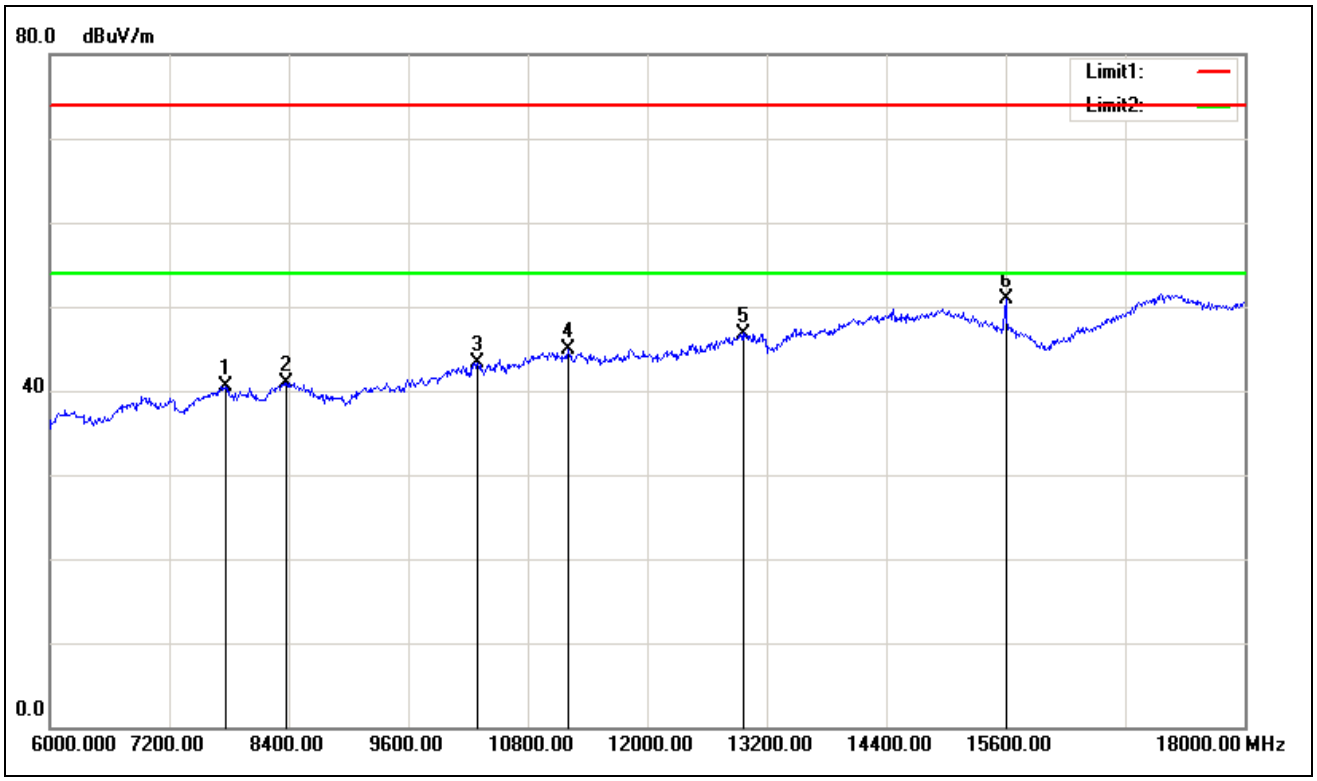
Vertical



Horizontal



This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

Test Mode: TX / IEEE 802.11a / 5240MHz /(CH High) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7740.000	31.63	9.14	40.77	74.00	-33.23	V	peak
8352.000	31.72	9.46	41.18	74.00	-32.82	V	peak
10944.000	29.89	14.91	44.80	74.00	-29.20	V	peak
13548.000	27.85	19.39	47.24	74.00	-26.76	V	peak
14280.000	28.07	20.74	48.81	74.00	-25.19	V	peak
15720.000	34.08	17.88	51.96	74.00	-22.04	V	peak
7908.000	31.35	9.47	40.82	74.00	-33.18	H	Peak
8448.000	31.56	9.40	40.96	74.00	-33.04	H	Peak
11196.000	29.64	14.99	44.63	74.00	-29.37	H	Peak
12984.000	28.57	17.90	46.47	74.00	-27.53	H	peak
14316.000	28.56	20.76	49.32	74.00	-24.68	H	peak
15720.000	32.55	17.88	50.43	74.00	-23.57	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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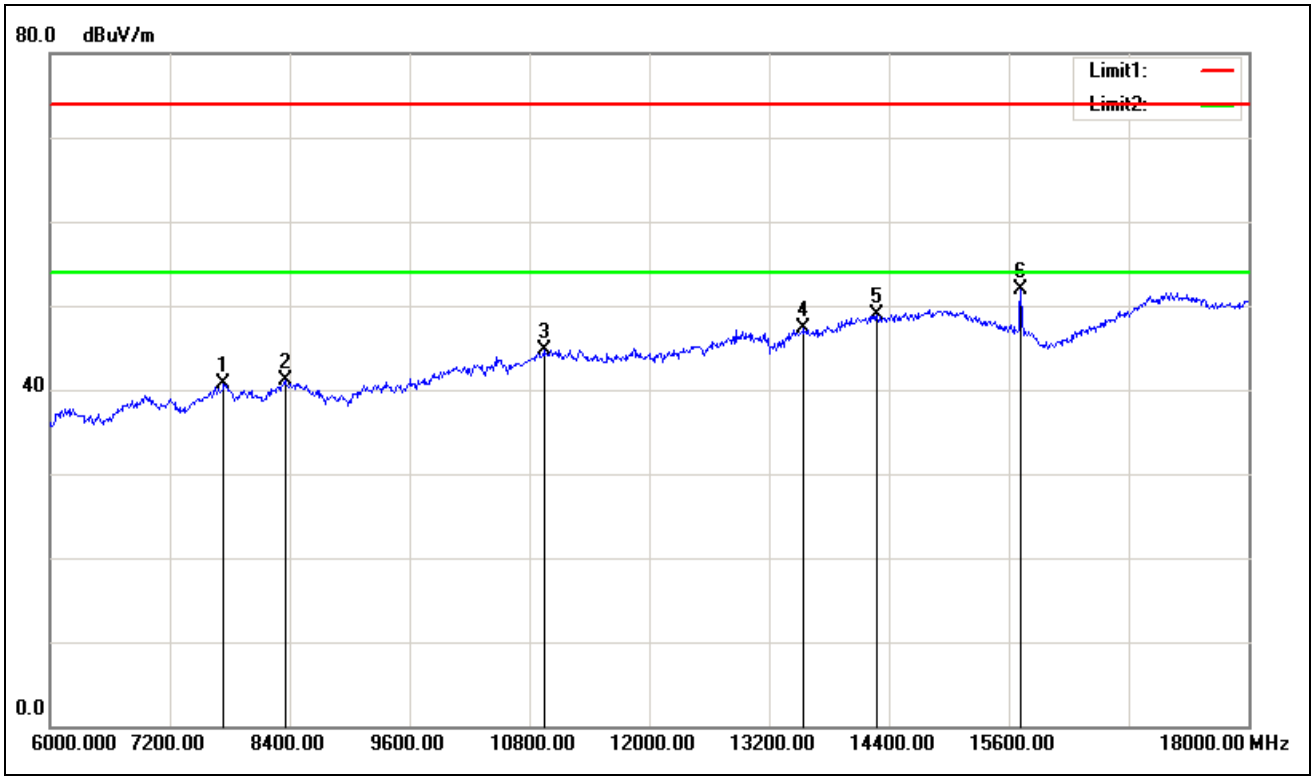
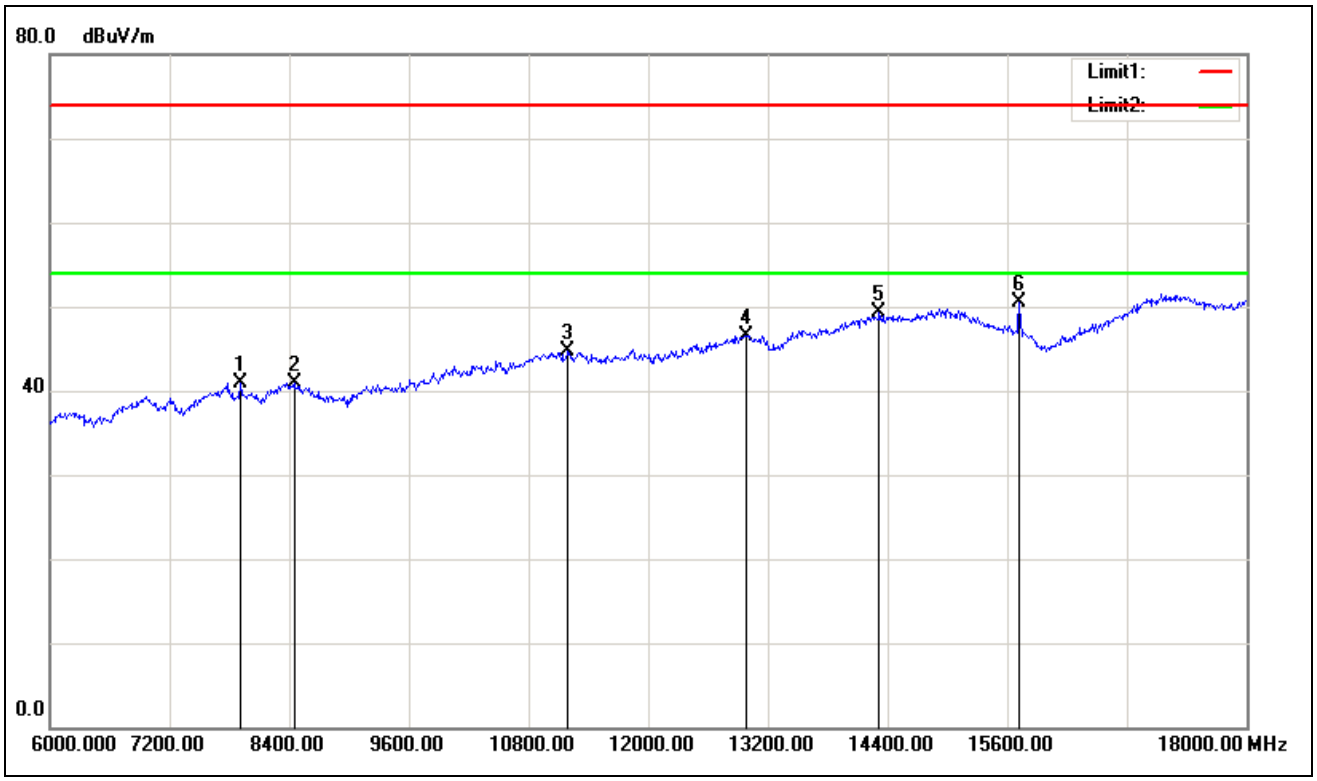
Vertical



Horizontal



This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

Test Mode: TX / IEEE 802.11a / 5260MHz /(CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6960.000	31.55	7.64	39.19	74.00	-34.81	V	peak
7752.000	31.40	9.17	40.57	74.00	-33.43	V	peak
8376.000	31.44	9.44	40.88	74.00	-33.12	V	peak
9192.000	31.47	9.65	41.12	74.00	-32.88	V	peak
10164.000	31.16	12.49	43.65	74.00	-30.35	V	peak
11040.000	30.18	15.06	45.24	74.00	-28.76	V	peak
7188.000	30.91	8.07	38.98	74.00	-35.02	H	Peak
7764.000	31.53	9.19	40.72	74.00	-33.28	H	Peak
8340.000	31.45	9.46	40.91	74.00	-33.09	H	Peak
9156.000	31.64	9.55	41.19	74.00	-32.81	H	peak
10788.000	30.01	14.42	44.43	74.00	-29.57	H	peak
11292.000	30.27	14.95	45.22	74.00	-28.78	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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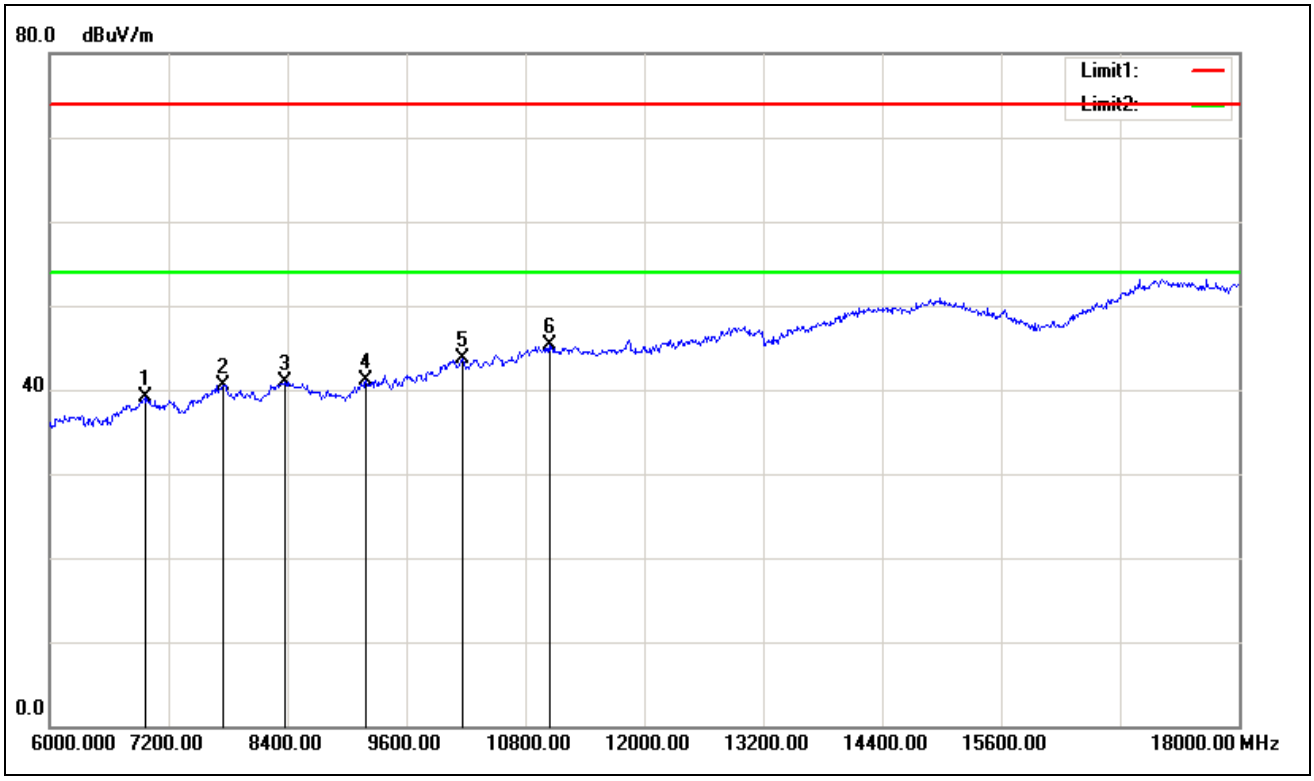
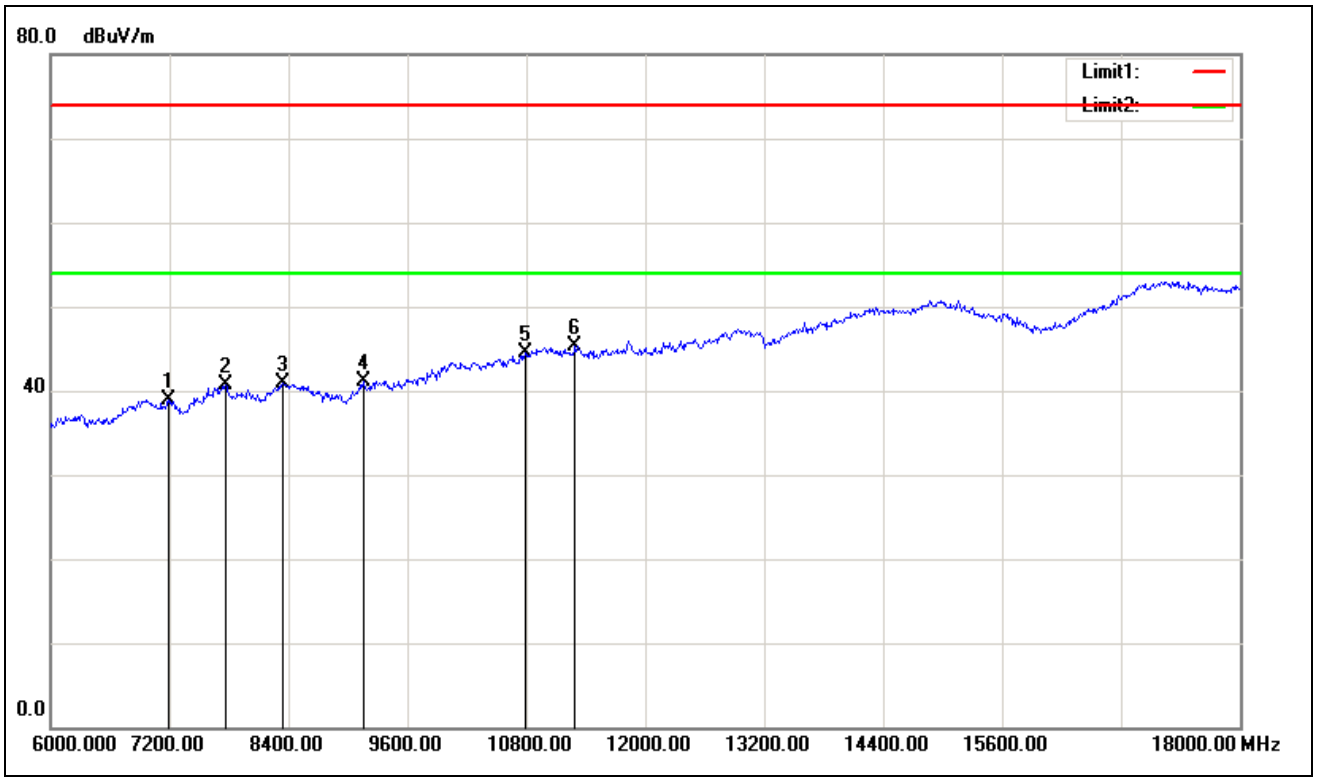
Vertical



Horizontal



This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

Test Mode: TX / IEEE 802.11a / 5300MHz /(CH Mid) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6948.000	31.40	7.62	39.02	74.00	-34.98	V	peak
7740.000	31.48	9.14	40.62	74.00	-33.38	V	peak
8364.000	31.41	9.45	40.86	74.00	-33.14	V	peak
9360.000	31.07	10.14	41.21	74.00	-32.79	V	peak
9936.000	30.57	11.80	42.37	74.00	-31.63	V	peak
10512.000	30.58	13.57	44.15	74.00	-29.85	V	peak
6936.000	31.61	7.60	39.21	74.00	-34.79	H	Peak
7740.000	31.34	9.14	40.48	74.00	-33.52	H	Peak
8364.000	31.66	9.45	41.11	74.00	-32.89	H	Peak
9852.000	30.55	11.55	42.10	74.00	-31.90	H	peak
10524.000	30.78	13.60	44.38	74.00	-29.62	H	peak
10944.000	30.00	14.91	44.91	74.00	-29.09	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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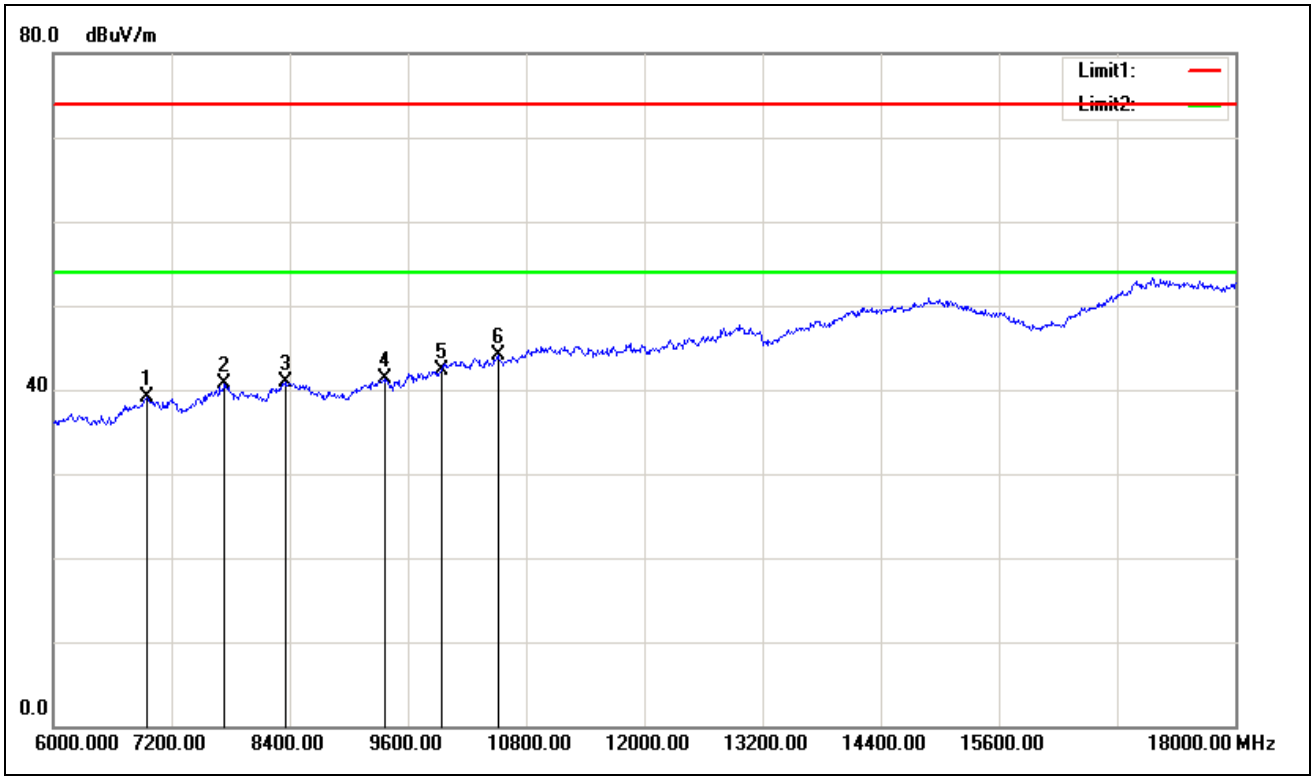
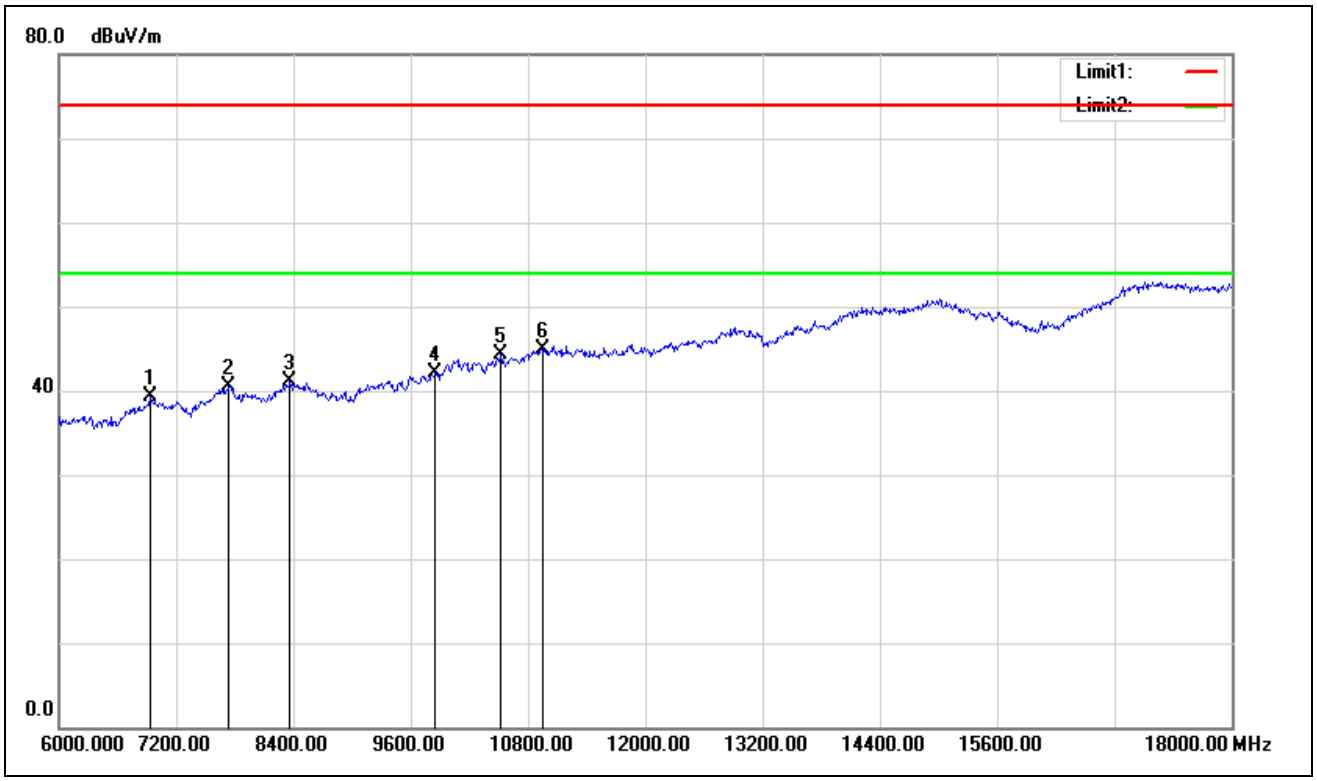
Vertical



Horizontal



This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

Test Mode: TX / IEEE 802.11a / 5320MHz /(CH High) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6936.000	31.33	7.60	38.93	74.00	-35.07	V	peak
7644.000	30.89	8.96	39.85	74.00	-34.15	V	peak
8376.000	31.56	9.44	41.00	74.00	-33.00	V	peak
9240.000	30.84	9.79	40.63	74.00	-33.37	V	peak
10176.000	30.71	12.53	43.24	74.00	-30.76	V	peak
11304.000	30.21	14.95	45.16	74.00	-28.84	V	peak
6972.000	31.23	7.65	38.88	74.00	-35.12	H	Peak
7752.000	31.56	9.17	40.73	74.00	-33.27	H	Peak
8352.000	31.61	9.46	41.07	74.00	-32.93	H	Peak
9852.000	30.64	11.55	42.19	74.00	-31.81	H	peak
10512.000	30.51	13.57	44.08	74.00	-29.92	H	peak
11304.000	30.23	14.95	45.18	74.00	-28.82	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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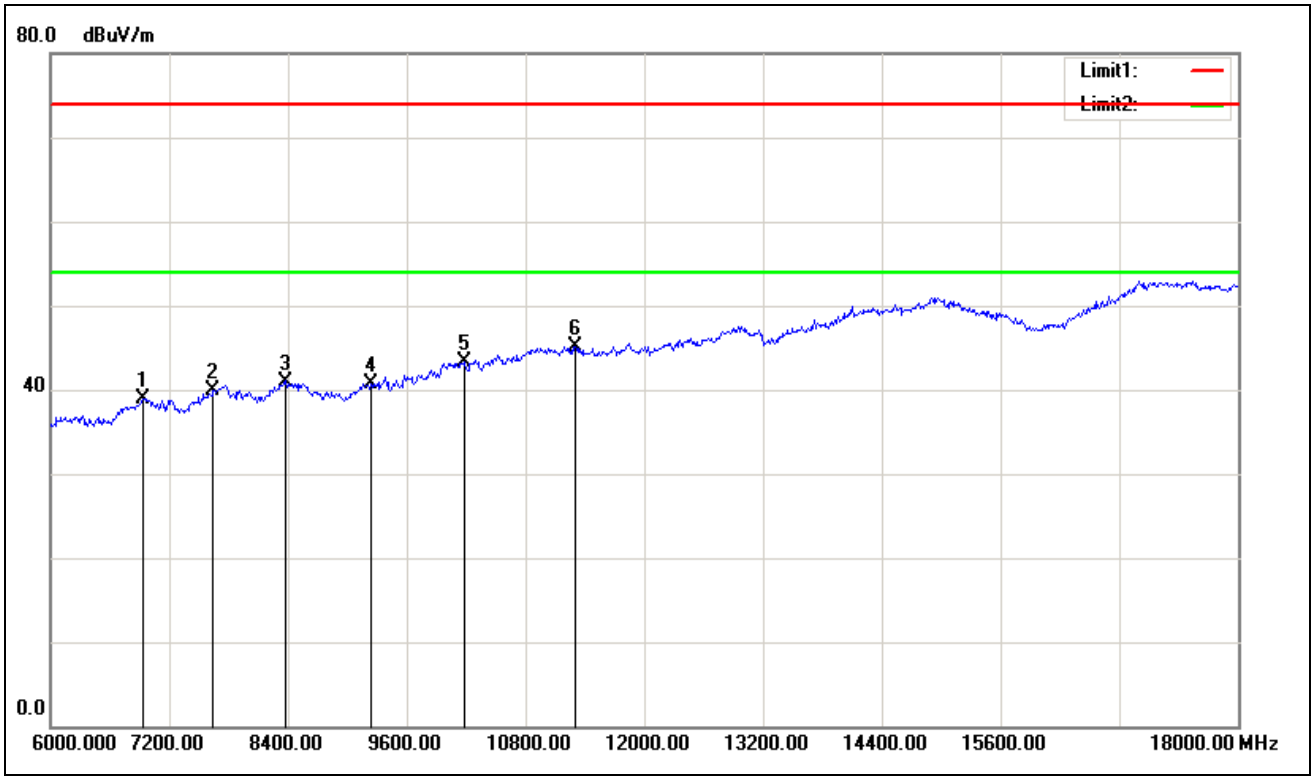
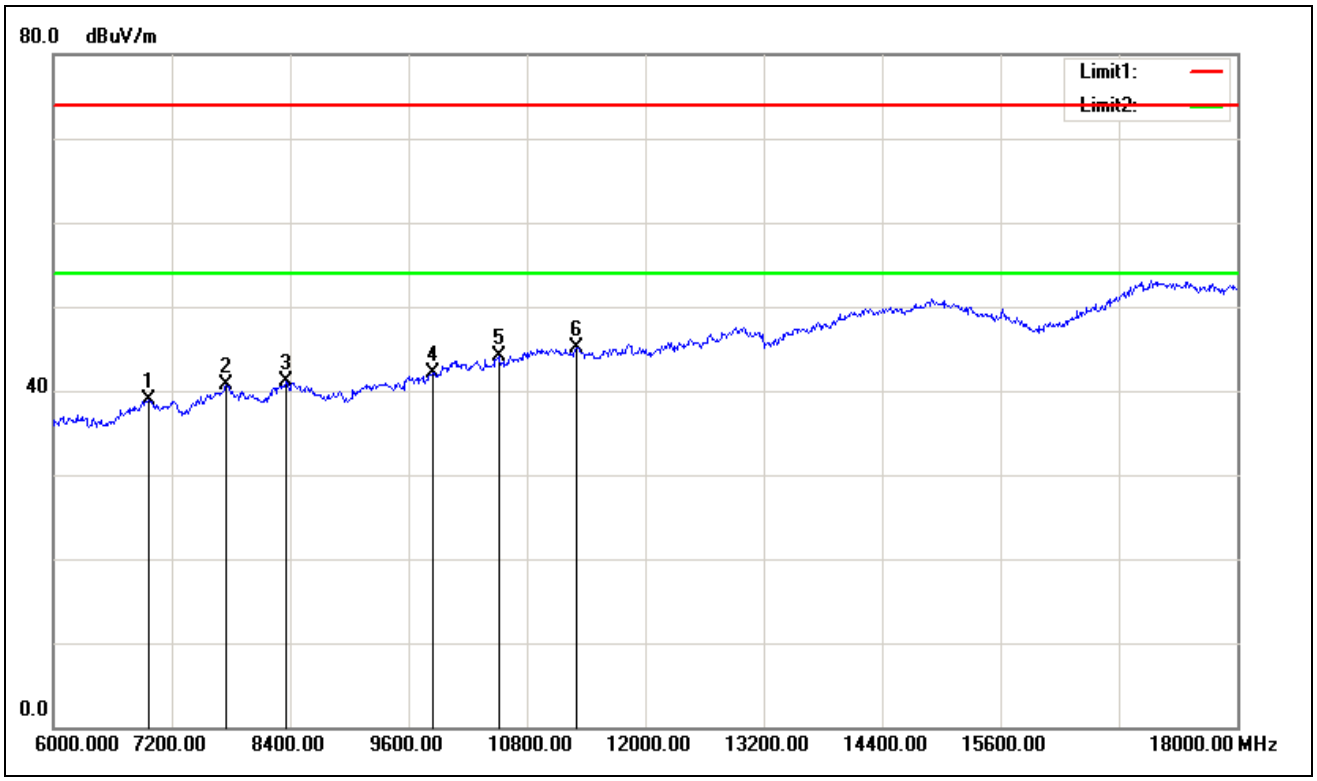
Vertical



Horizontal



This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

Test Mode: TX / IEEE 802.11a / 5500MHz /(CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6972.000	31.56	7.65	39.21	74.00	-34.79	V	peak
7740.000	31.17	9.14	40.31	74.00	-33.69	V	peak
8364.000	31.95	9.45	41.40	74.00	-32.60	V	peak
9312.000	31.47	10.00	41.47	74.00	-32.53	V	peak
10068.000	31.62	12.19	43.81	74.00	-30.19	V	peak
11052.000	30.14	15.06	45.20	74.00	-28.80	V	peak
6948.000	31.65	7.62	39.27	74.00	-34.73	H	Peak
7764.000	31.34	9.19	40.53	74.00	-33.47	H	Peak
8364.000	31.48	9.45	40.93	74.00	-33.07	H	Peak
9156.000	31.47	9.55	41.02	74.00	-32.98	H	peak
9624.000	30.70	10.90	41.60	74.00	-32.40	H	peak
10512.000	30.70	13.57	44.27	74.00	-29.73	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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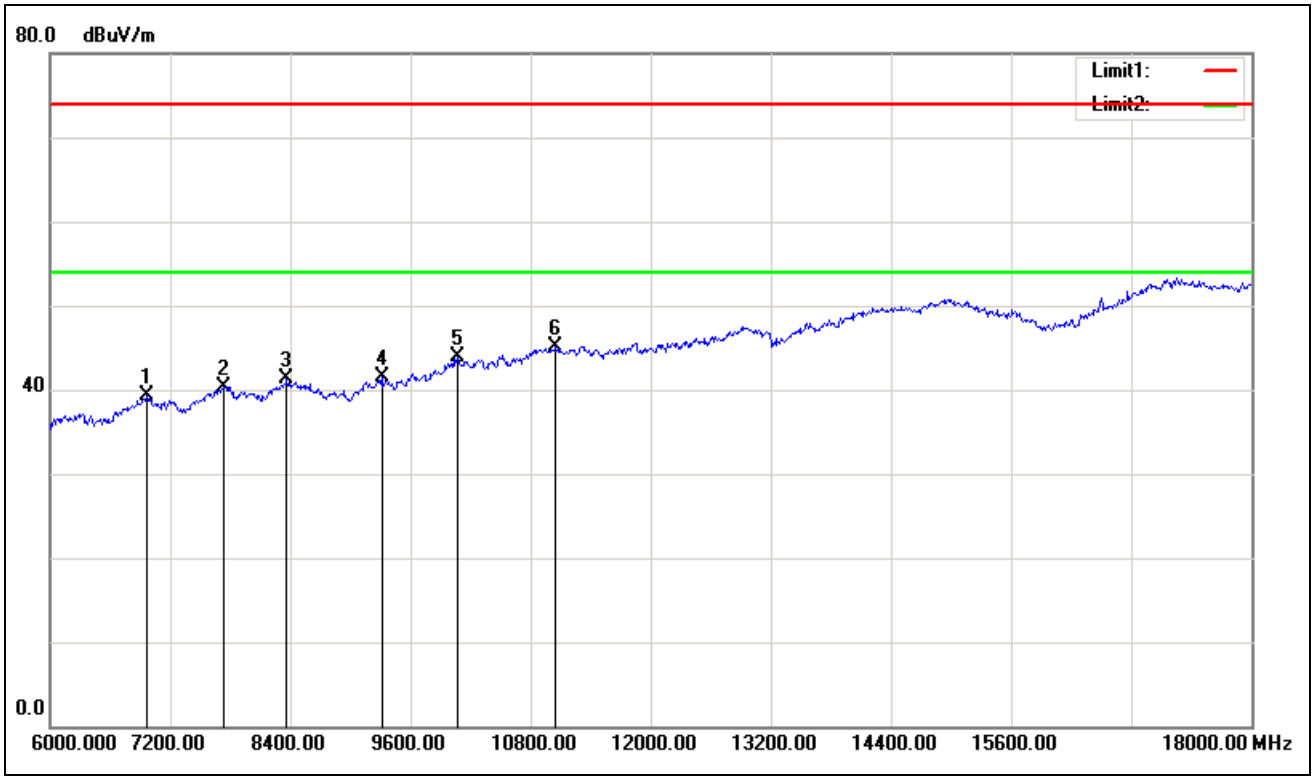
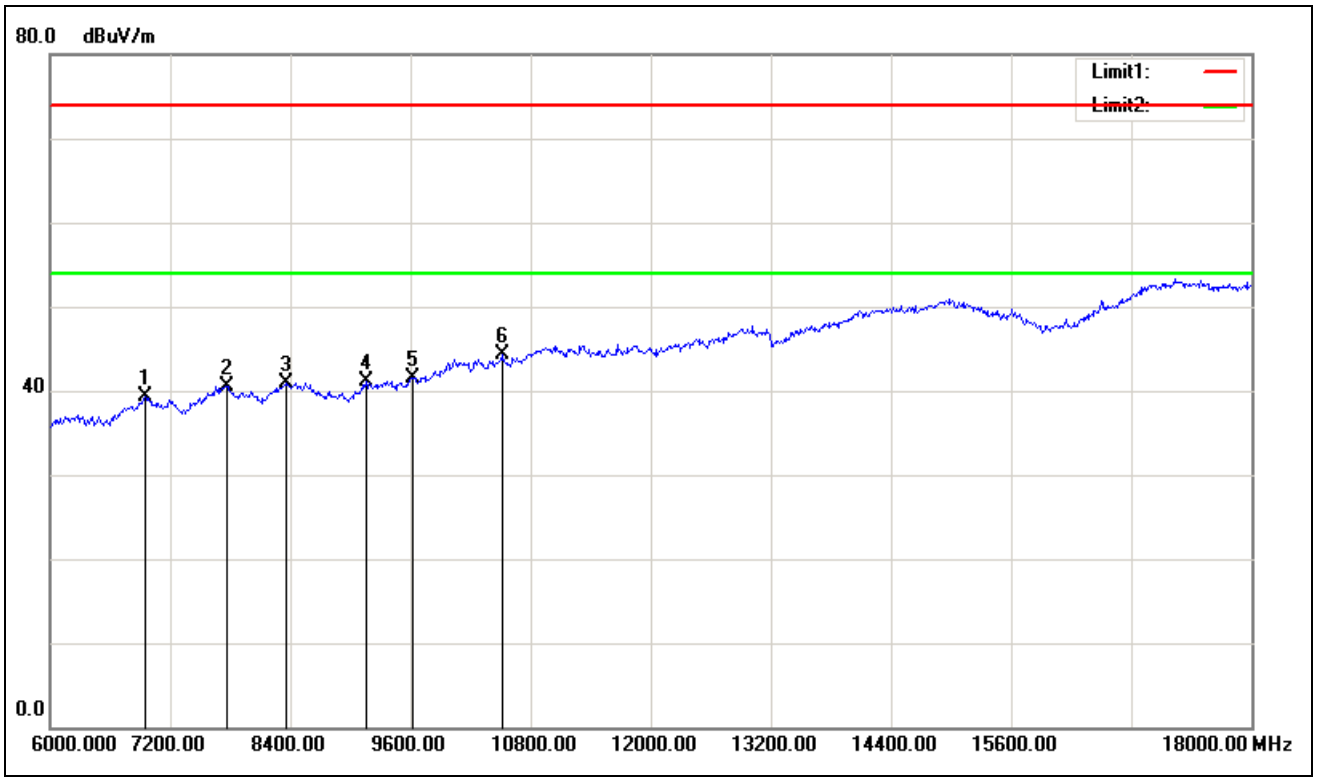
Vertical



Horizontal



This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

Test Mode: TX / IEEE 802.11a / 5580MHz /(CH Mid) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6936.000	31.28	7.60	38.88	74.00	-35.12	V	peak
7752.000	31.52	9.17	40.69	74.00	-33.31	V	peak
8352.000	31.50	9.46	40.96	74.00	-33.04	V	peak
9360.000	31.33	10.14	41.47	74.00	-32.53	V	peak
10296.000	31.14	12.90	44.04	74.00	-29.96	V	peak
11028.000	30.01	15.07	45.08	74.00	-28.92	V	peak
6924.000	31.51	7.58	39.09	74.00	-34.91	H	Peak
7752.000	31.52	9.17	40.69	74.00	-33.31	H	Peak
8436.000	31.54	9.41	40.95	74.00	-33.05	H	peak
9972.000	31.21	11.90	43.11	74.00	-30.89	H	peak
10848.000	29.80	14.61	44.41	74.00	-29.59	H	peak
11832.000	30.99	14.71	45.70	74.00	-28.30	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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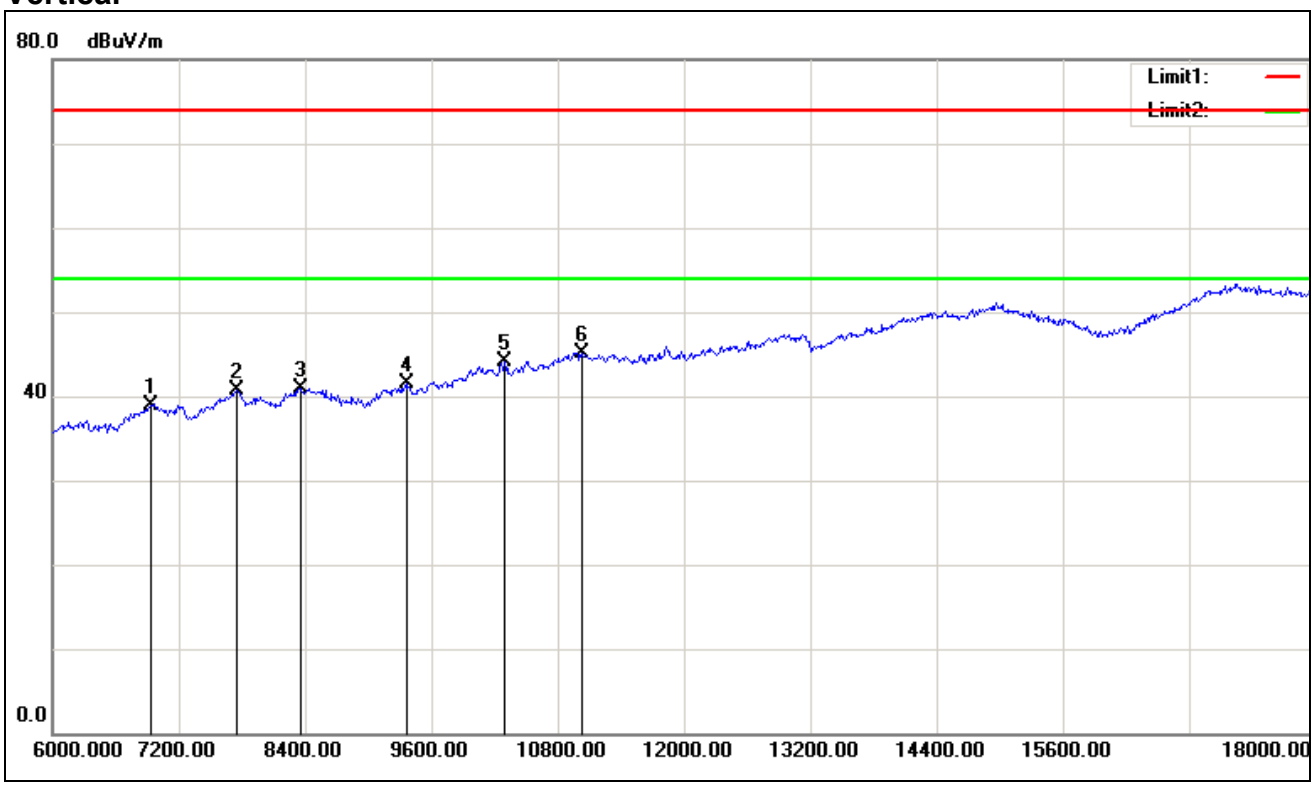
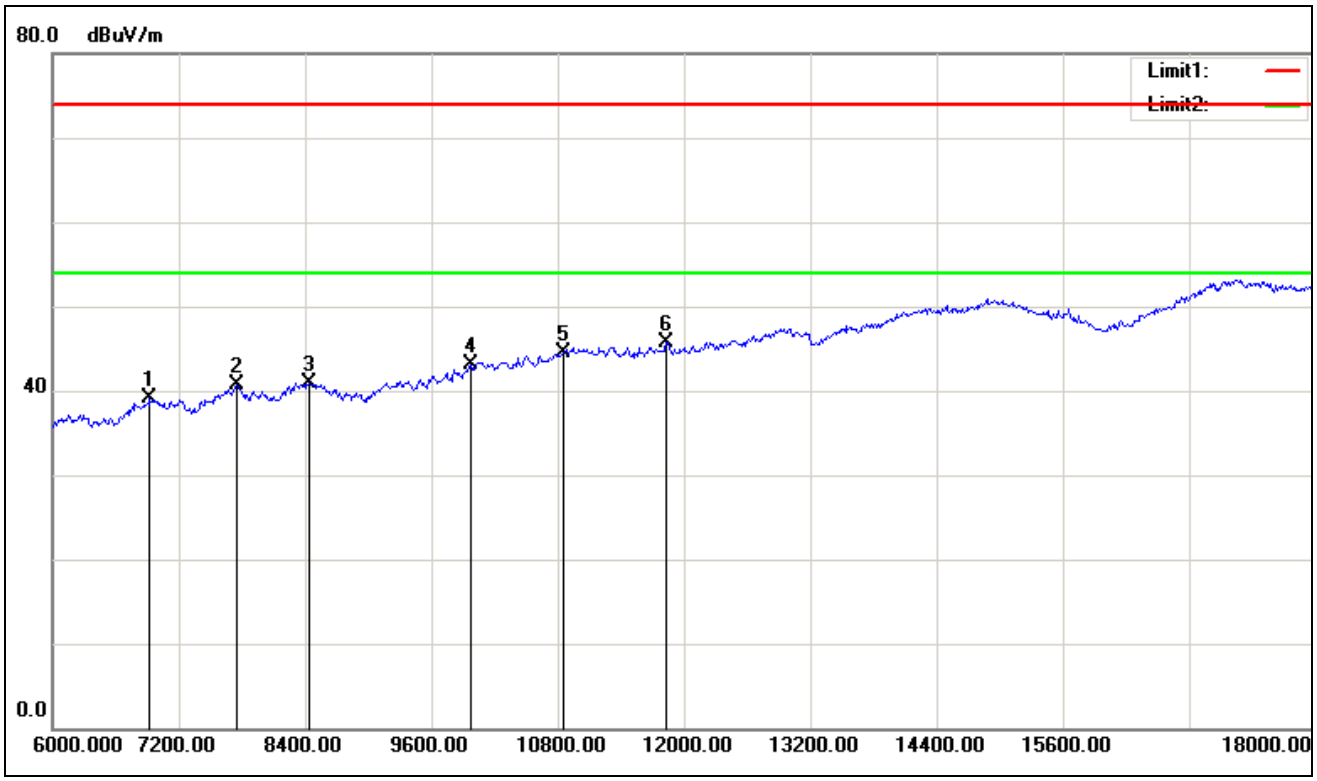
Vertical



Horizontal



This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

Test Mode: TX / IEEE 802.11a / 5700MHz /(CH High) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6960.000	31.54	7.64	39.18	74.00	-34.82	V	peak
7752.000	31.20	9.17	40.37	74.00	-33.63	V	peak
8340.000	31.42	9.46	40.88	74.00	-33.12	V	peak
9348.000	31.38	10.10	41.48	74.00	-32.52	V	peak
10512.000	30.39	13.57	43.96	74.00	-30.04	V	peak
10872.000	30.98	14.68	45.66	74.00	-28.34	V	peak
6912.000	31.49	7.56	39.05	74.00	-34.95	H	Peak
7752.000	31.29	9.17	40.46	74.00	-33.54	H	Peak
8364.000	31.52	9.45	40.97	74.00	-33.03	H	Peak
10512.000	30.68	13.57	44.25	74.00	-29.75	H	peak
11052.000	30.18	15.06	45.24	74.00	-28.76	H	peak
11688.000	30.55	14.78	45.33	74.00	-28.67	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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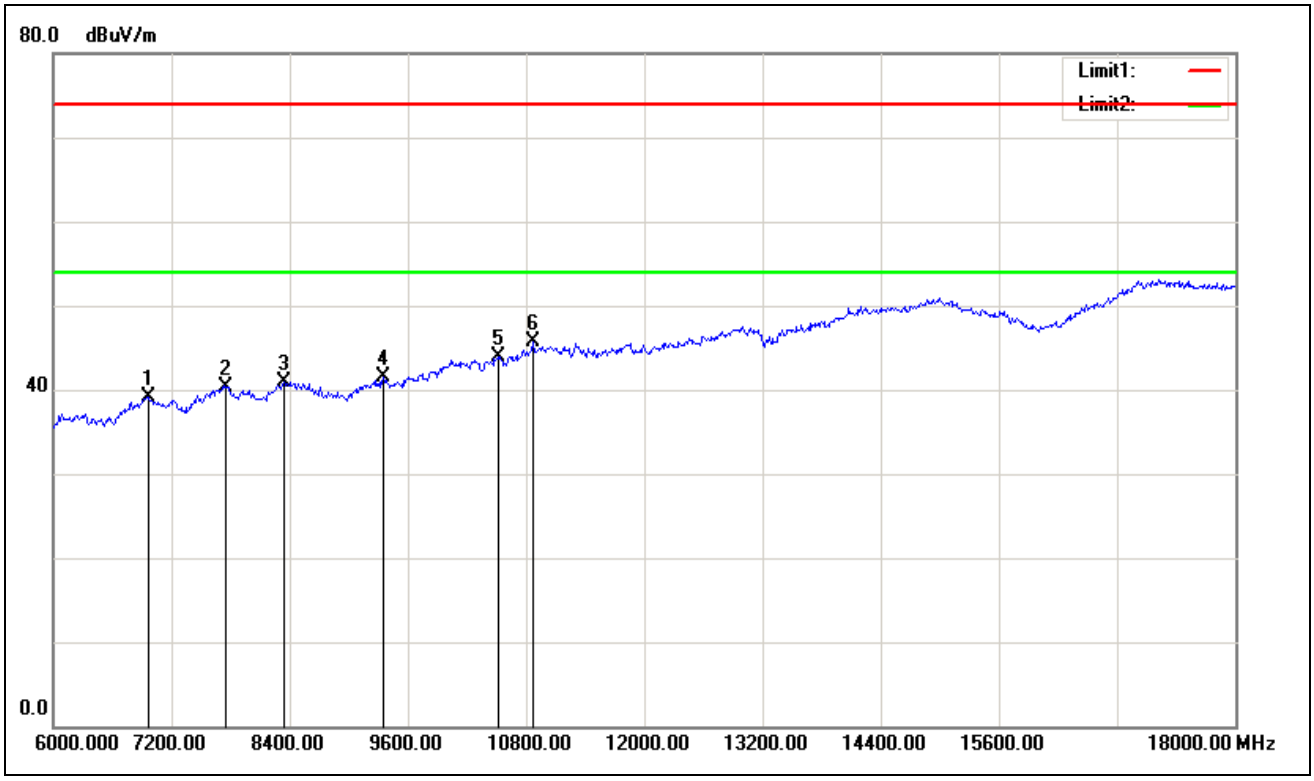
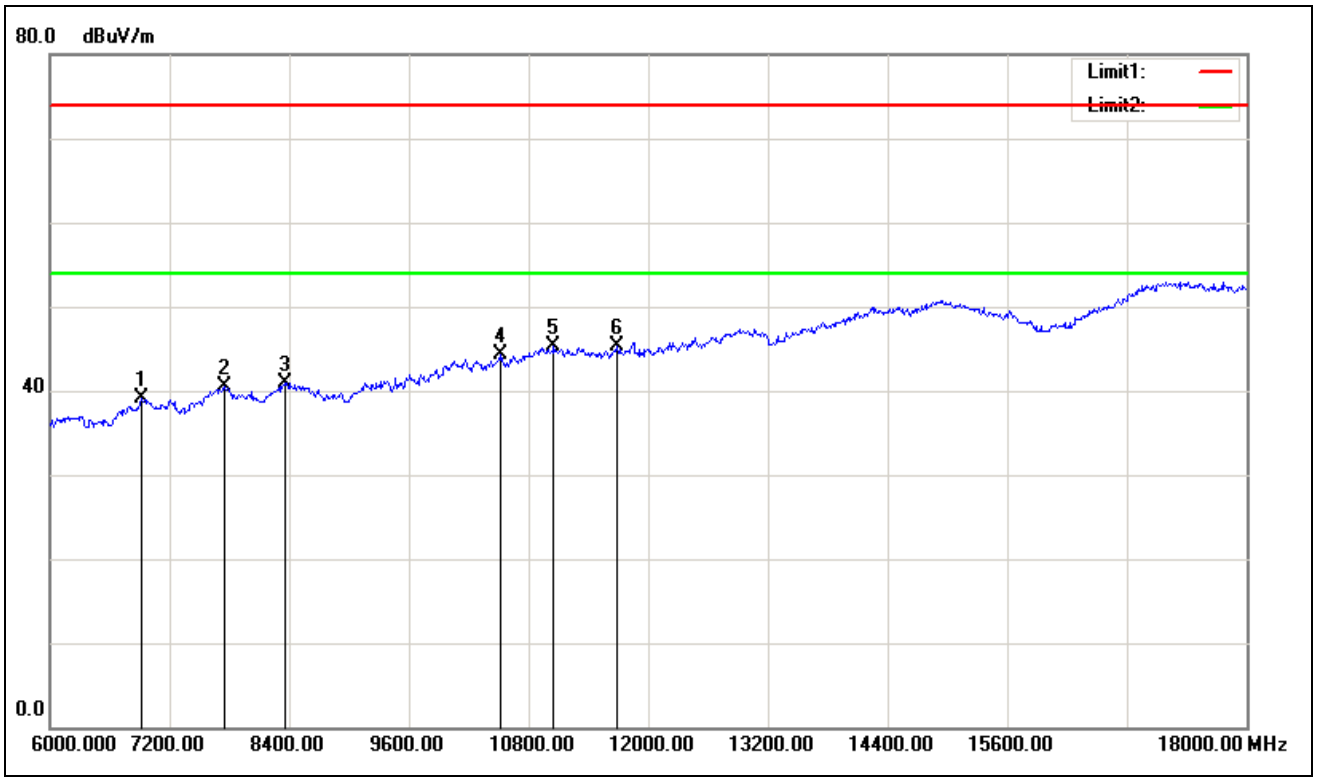
Vertical



Horizontal



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Test Mode: TX / IEEE 802.11a / 5745MHz /(CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7764.000	31.25	9.19	40.44	74.00	-33.56	V	peak
8340.000	31.35	9.46	40.81	74.00	-33.19	V	peak
11016.000	29.94	15.07	45.01	74.00	-28.99	V	peak
11844.000	30.46	14.71	45.17	74.00	-28.83	V	peak
12912.000	29.14	17.66	46.80	74.00	-27.20	V	peak
14964.000	28.59	21.14	49.73	74.00	-24.27	V	peak
7752.000	31.44	9.17	40.61	74.00	-33.39	H	Peak
8340.000	31.73	9.46	41.19	74.00	-32.81	H	Peak
10512.000	30.06	13.57	43.63	74.00	-30.37	H	Peak
11016.000	29.55	15.07	44.62	74.00	-29.38	H	peak
12684.000	29.22	16.90	46.12	74.00	-27.88	H	peak
14736.000	28.73	21.01	49.74	74.00	-24.26	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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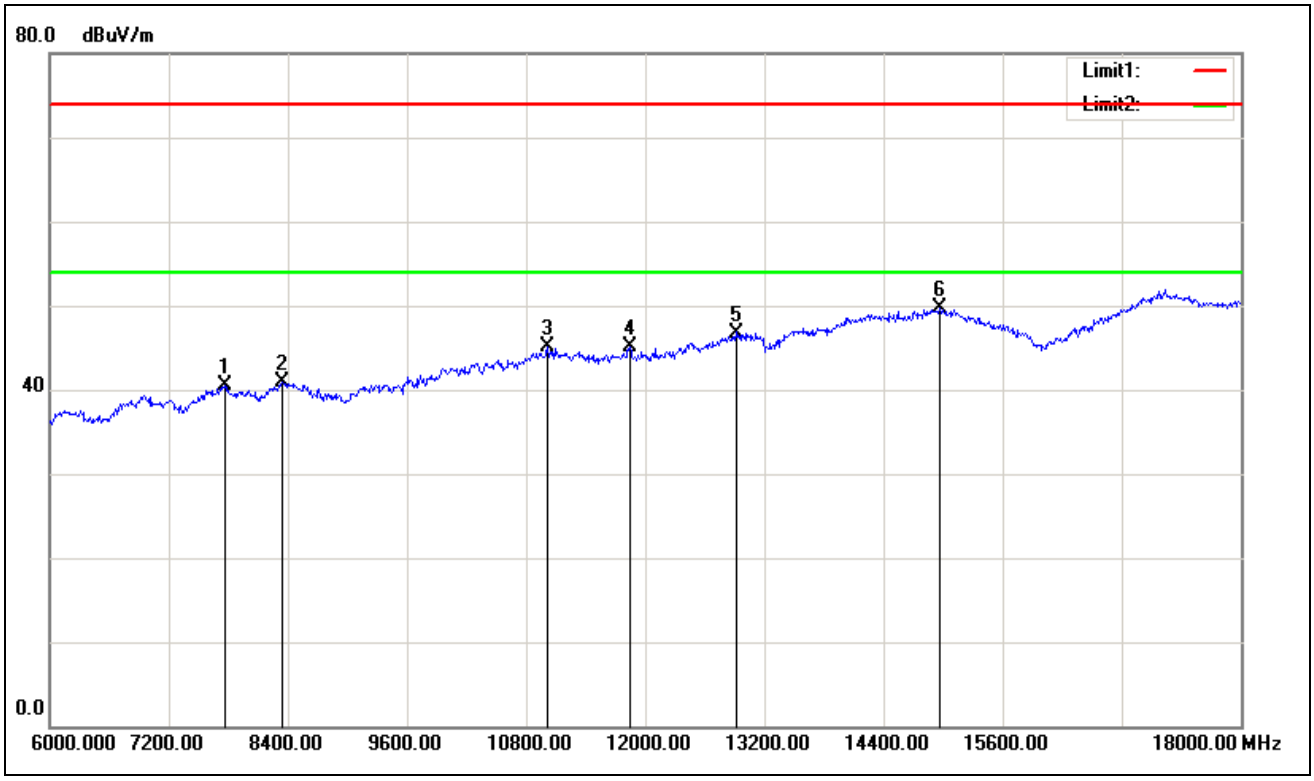
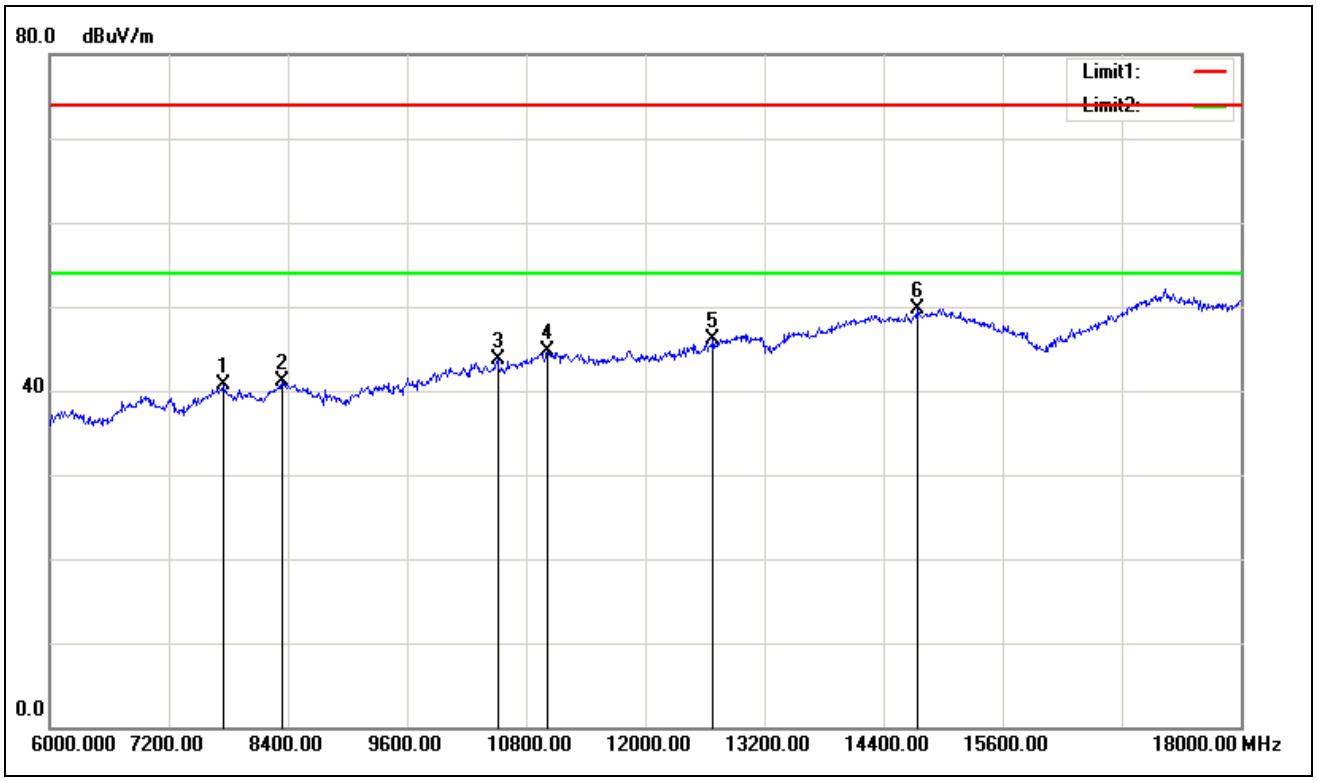
Vertical



Horizontal



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Test Mode: TX / IEEE 802.11a / 5785MHz /(CH Mid) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
8364.000	31.63	9.45	41.08	74.00	-32.92	V	peak
10296.000	30.83	12.90	43.73	74.00	-30.27	V	peak
11208.000	29.92	14.99	44.91	74.00	-29.09	V	peak
11844.000	30.33	14.71	45.04	74.00	-28.96	V	peak
13008.000	28.76	17.97	46.73	74.00	-27.27	V	peak
14244.000	28.57	20.72	49.29	74.00	-24.71	V	peak
7740.000	31.50	9.14	40.64	74.00	-33.36	H	Peak
8352.000	31.65	9.46	41.11	74.00	-32.89	H	Peak
10500.000	30.31	13.53	43.84	74.00	-30.16	H	Peak
11052.000	29.75	15.06	44.81	74.00	-29.19	H	peak
12984.000	29.01	17.90	46.91	74.00	-27.09	H	peak
14964.000	28.90	21.14	50.04	74.00	-23.96	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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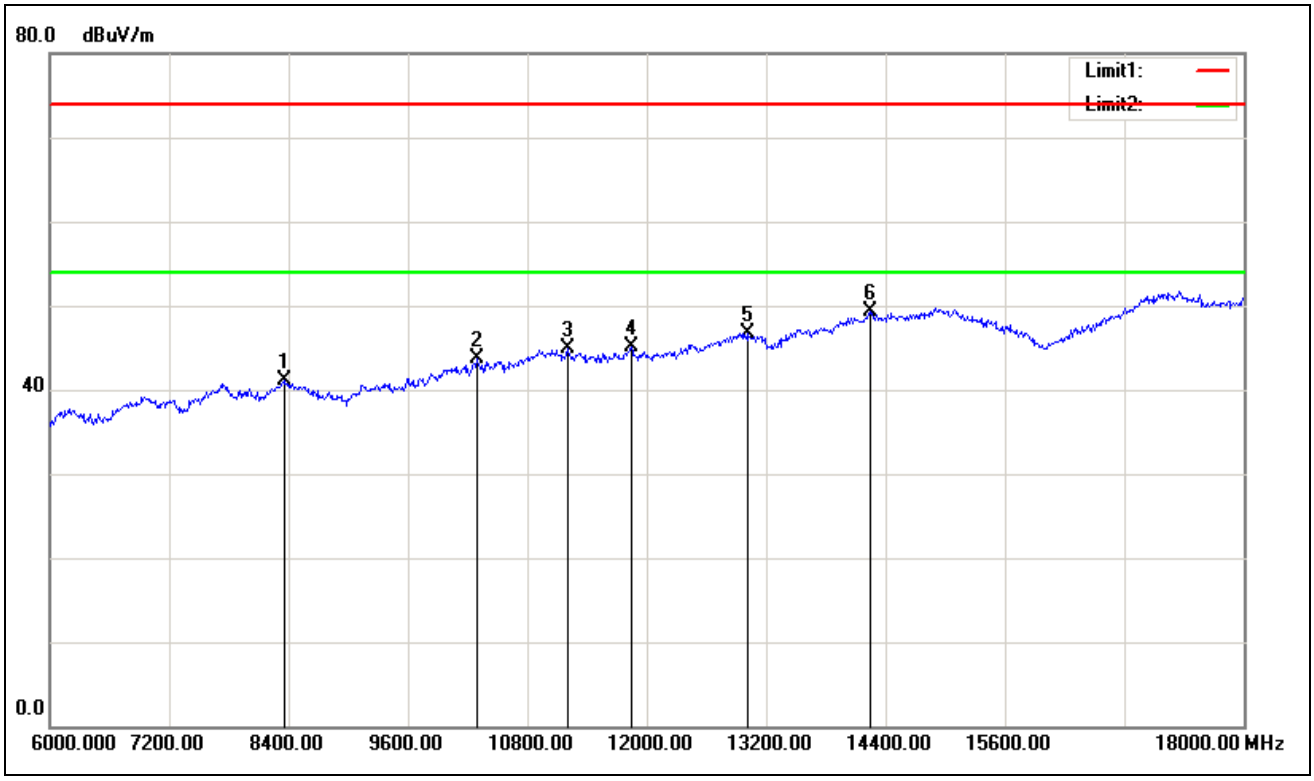
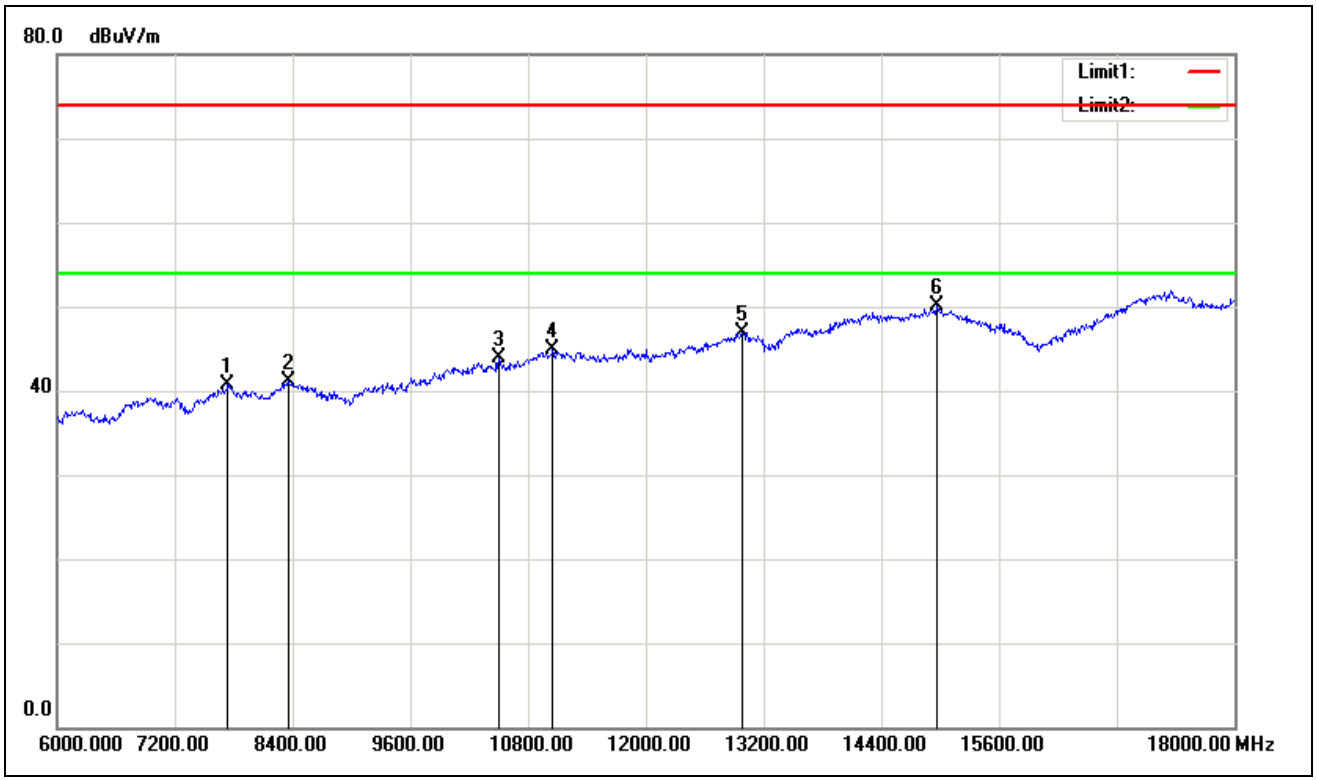
Vertical



Horizontal



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Test Mode: TX / IEEE 802.11a / 5825MHz /(CH High) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7764.000	31.62	9.19	40.81	74.00	-33.19	V	peak
8376.000	31.57	9.44	41.01	74.00	-32.99	V	peak
10932.000	29.78	14.87	44.65	74.00	-29.35	V	peak
11832.000	30.00	14.71	44.71	74.00	-29.29	V	peak
13008.000	29.15	17.97	47.12	74.00	-26.88	V	peak
14244.000	28.33	20.72	49.05	74.00	-24.95	V	peak
7752.000	31.39	9.17	40.56	74.00	-33.44	H	Peak
8328.000	31.68	9.47	41.15	74.00	-32.85	H	Peak
10524.000	29.99	13.60	43.59	74.00	-30.41	H	Peak
11316.000	30.11	14.94	45.05	74.00	-28.95	H	peak
12984.000	28.83	17.90	46.73	74.00	-27.27	H	peak
14088.000	28.36	20.63	48.99	74.00	-25.01	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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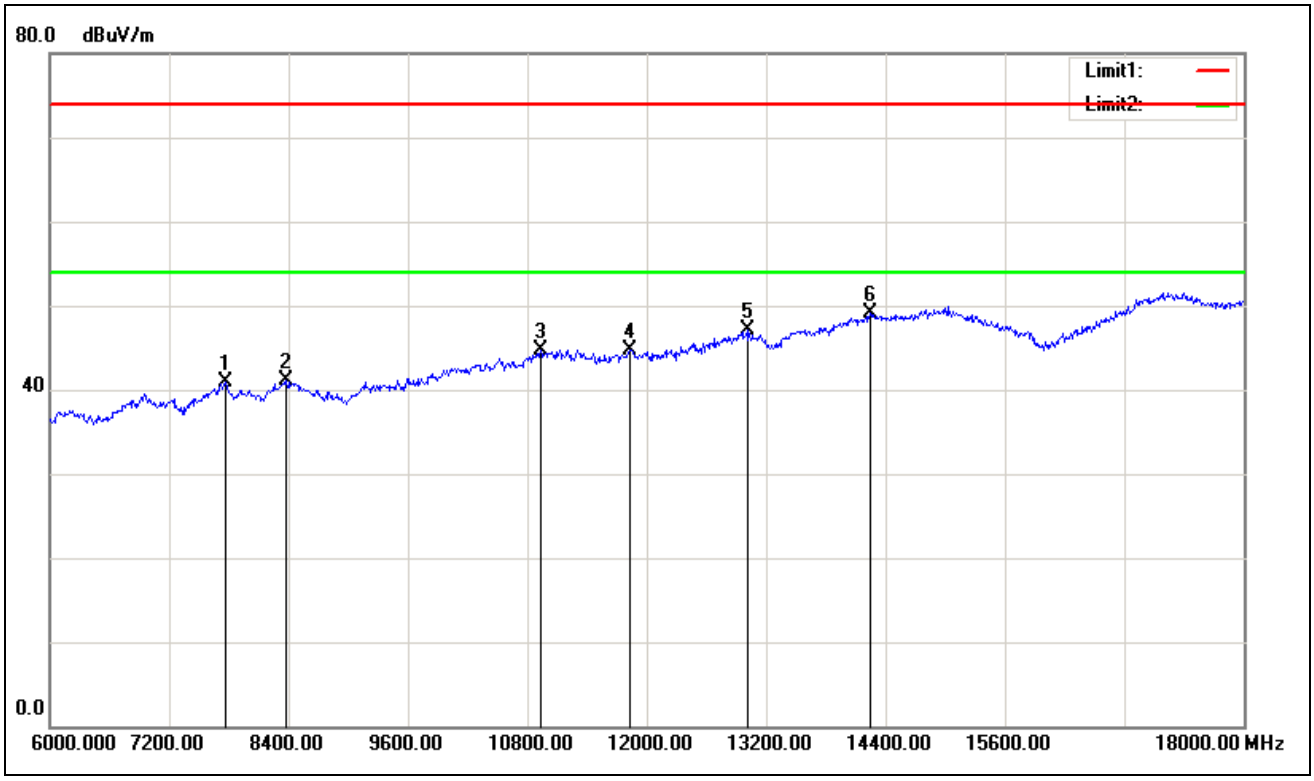
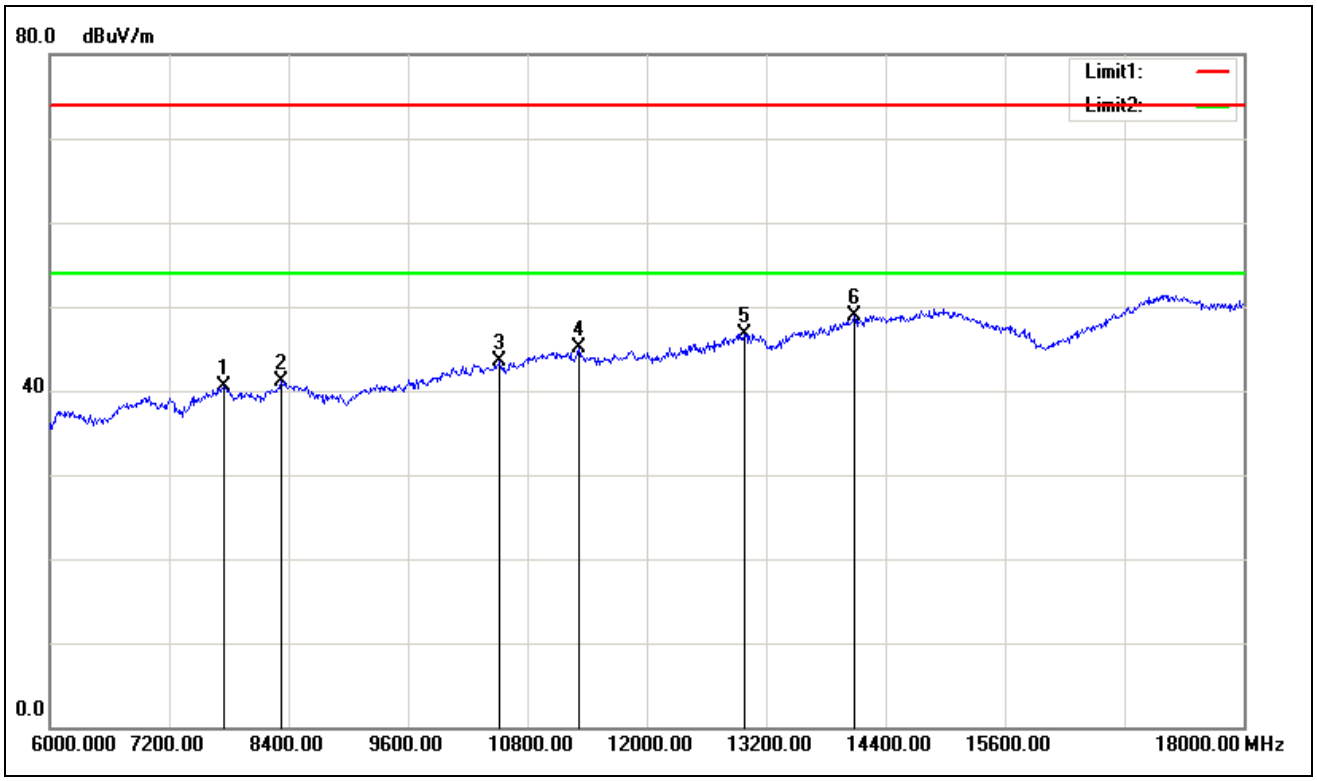
Vertical



Horizontal



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Antenna 1

Test Mode: TX / IEEE 802.11a / 5180MHz /(CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7752.000	31.49	9.17	40.66	74.00	-33.34	V	peak
8364.000	31.78	9.45	41.23	74.00	-32.77	V	peak
11040.000	29.74	15.06	44.80	74.00	-29.20	V	peak
12984.000	29.04	17.90	46.94	74.00	-27.06	V	peak
13596.000	28.23	19.52	47.75	74.00	-26.25	V	peak
15540.000	32.19	18.70	50.89	74.00	-23.11	V	peak
7740.000	31.67	9.14	40.81	74.00	-33.19	H	Peak
8364.000	31.66	9.45	41.11	74.00	-32.89	H	Peak
10296.000	30.46	12.90	43.36	74.00	-30.64	H	Peak
11052.000	29.63	15.06	44.69	74.00	-29.31	H	peak
13032.000	29.05	18.03	47.08	74.00	-26.92	H	peak
14472.000	28.12	20.85	48.97	74.00	-25.03	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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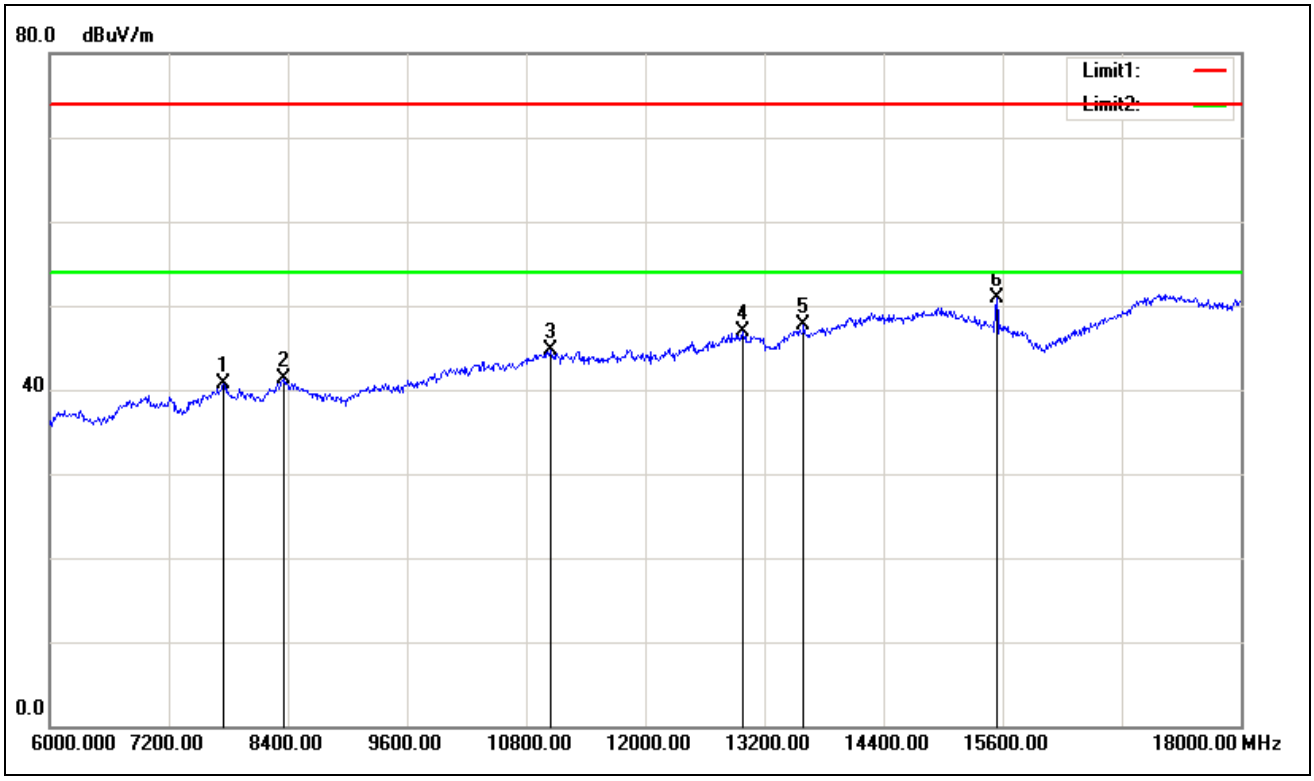
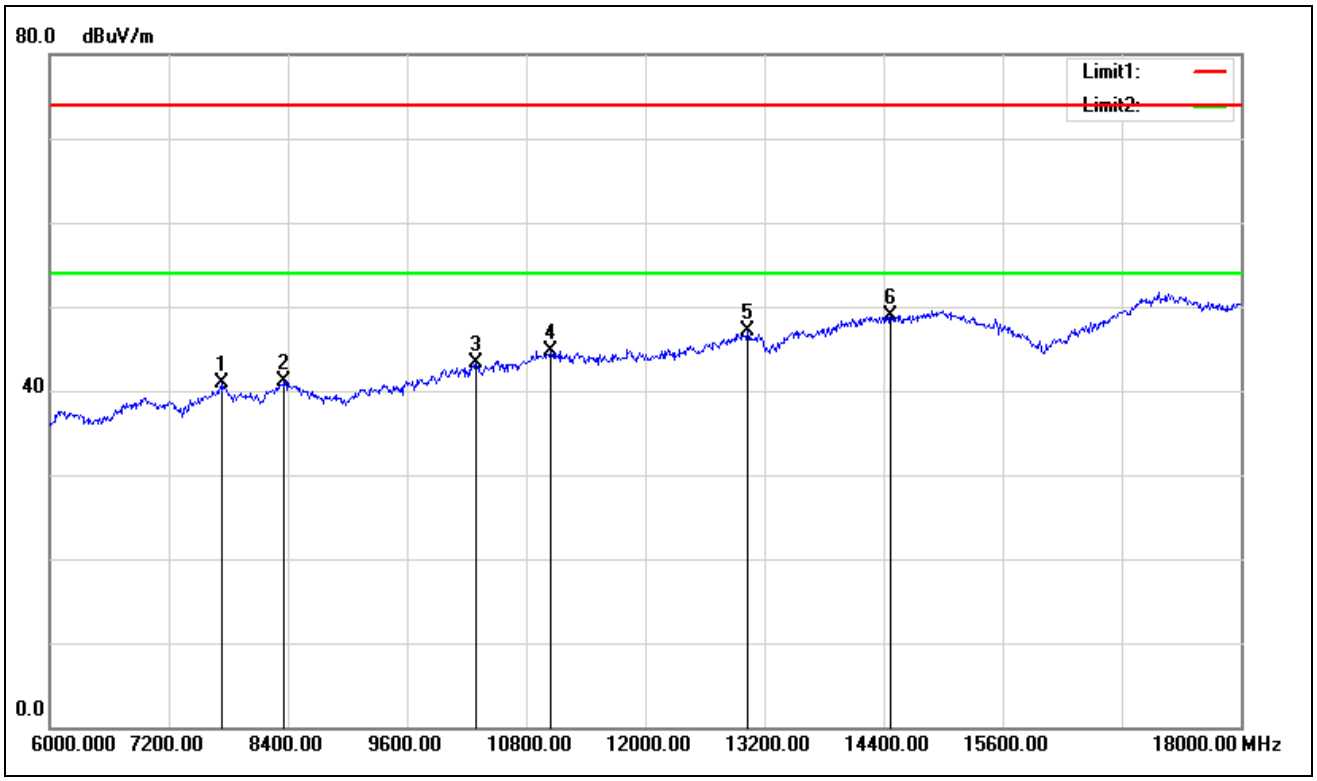
Vertical



Horizontal



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Test Mode: TX / IEEE 802.11a / 5200MHz /(CH Mid) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7788.000	31.39	9.24	40.63	74.00	-33.37	V	peak
8364.000	31.44	9.45	40.89	74.00	-33.11	V	peak
10944.000	29.63	14.91	44.54	74.00	-29.46	V	peak
11844.000	30.35	14.71	45.06	74.00	-28.94	V	peak
13008.000	29.19	17.97	47.16	74.00	-26.84	V	peak
15600.000	34.04	18.43	52.47	74.00	-21.53	V	peak
15600.000	29.99	18.43	48.42	54.00	-5.58	V	AVG
7788.000	31.68	9.24	40.92	74.00	-33.08	H	Peak
8352.000	31.46	9.46	40.92	74.00	-33.08	H	Peak
10272.000	30.51	12.82	43.33	74.00	-30.67	H	Peak
11052.000	29.65	15.06	44.71	74.00	-29.29	H	peak
12912.000	28.96	17.66	46.62	74.00	-27.38	H	peak
14244.000	28.17	20.72	48.89	74.00	-25.11	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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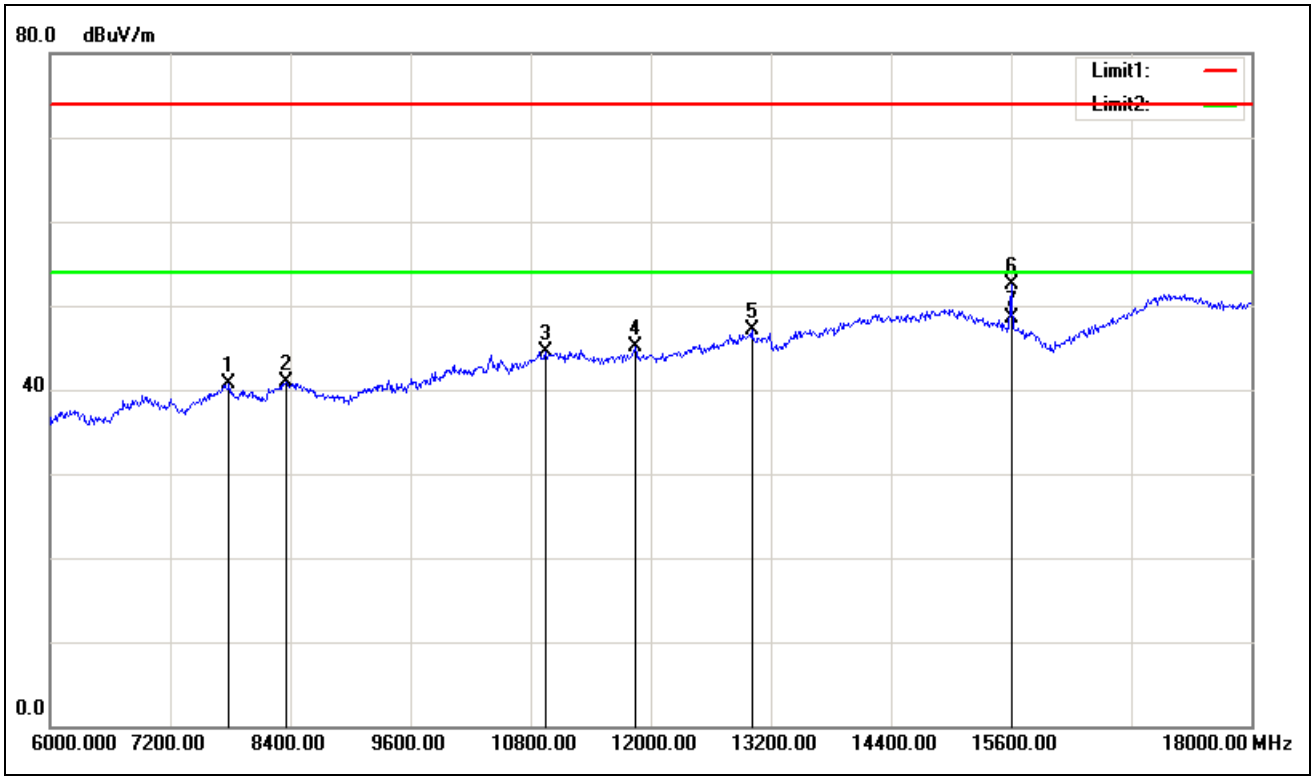
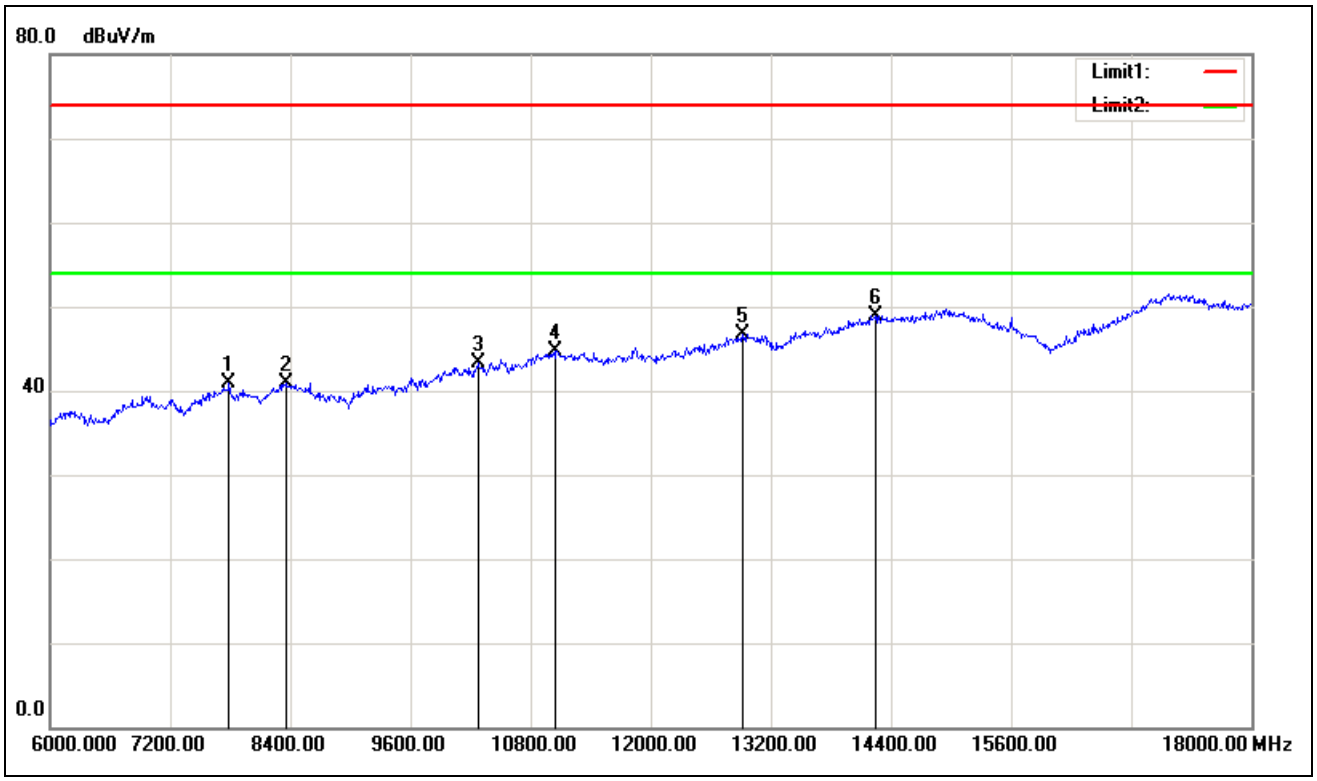
Vertical



Horizontal



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Test Mode: TX / IEEE 802.11a / 5240MHz /(CH High) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** October 28, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
8352.000	31.92	9.46	41.38	74.00	-32.62	V	peak
10476.000	31.21	13.46	44.67	74.00	-29.33	V	peak
10944.000	29.84	14.91	44.75	74.00	-29.25	V	peak
12960.000	28.96	17.82	46.78	74.00	-27.22	V	peak
14244.000	28.37	20.72	49.09	74.00	-24.91	V	peak
15720.000	35.21	17.88	53.09	74.00	-20.91	V	peak
15720.000	31.77	17.88	49.65	54.00	-4.35	V	AVG
7752.000	31.55	9.17	40.72	74.00	-33.28	H	Peak
8376.000	31.64	9.44	41.08	74.00	-32.92	H	Peak
10896.000	29.53	14.76	44.29	74.00	-29.71	H	Peak
12912.000	29.02	17.66	46.68	74.00	-27.32	H	peak
14088.000	27.80	20.63	48.43	74.00	-25.57	H	peak
15000.000	28.48	21.16	49.64	74.00	-24.36	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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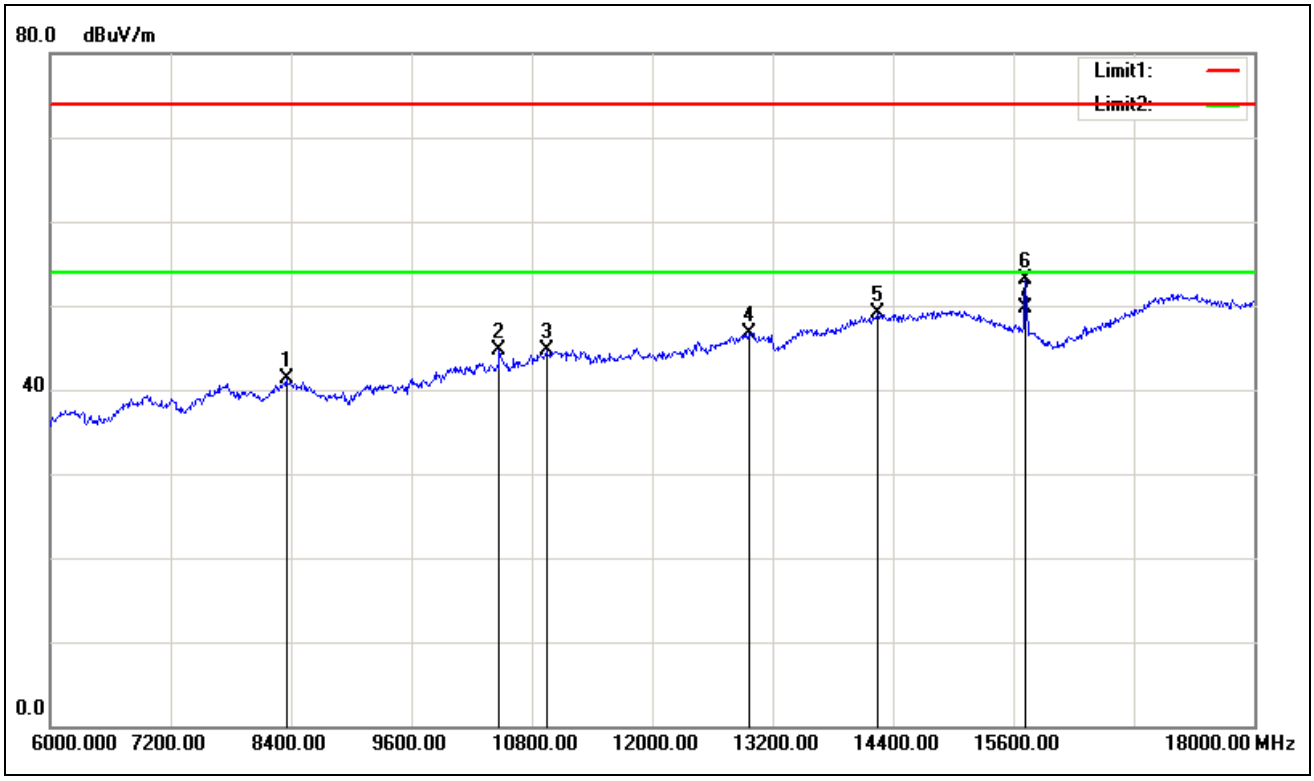
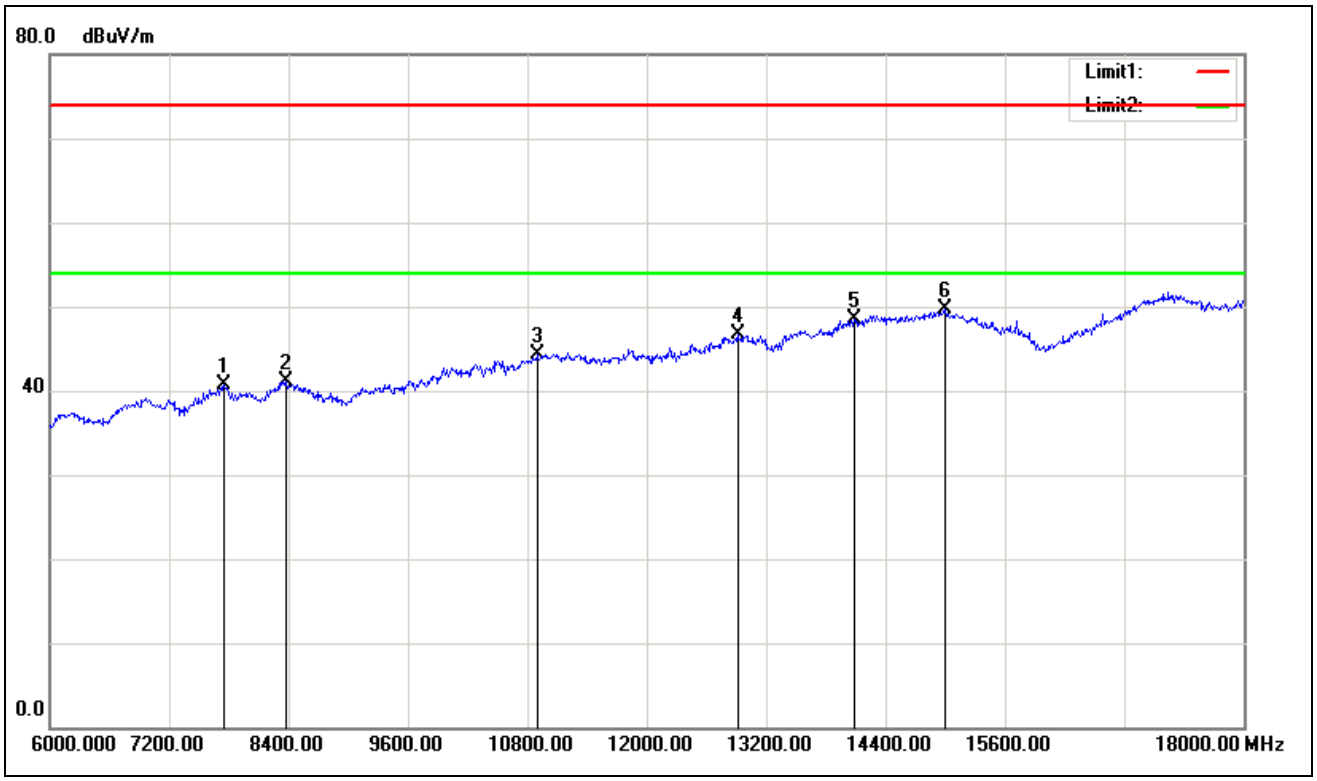
Vertical



Horizontal



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