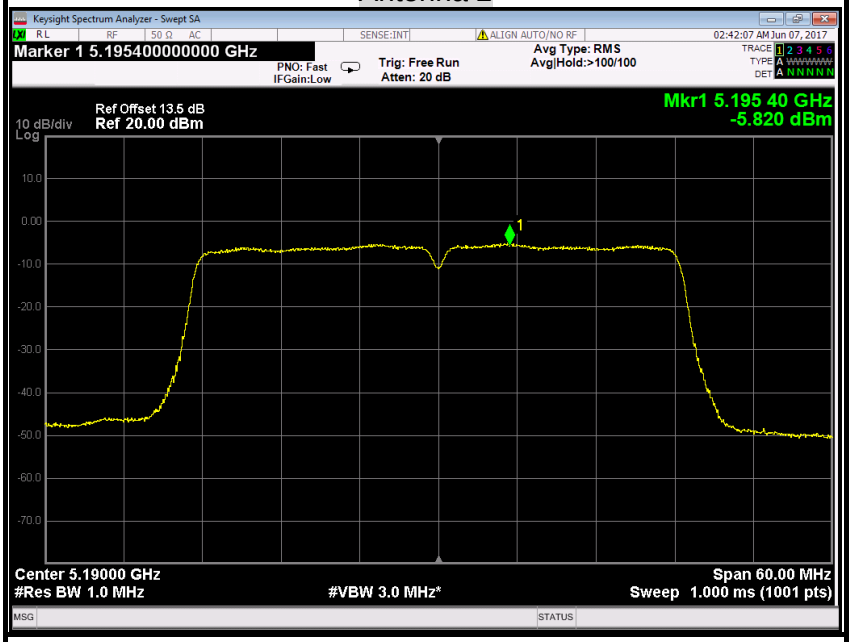
IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz

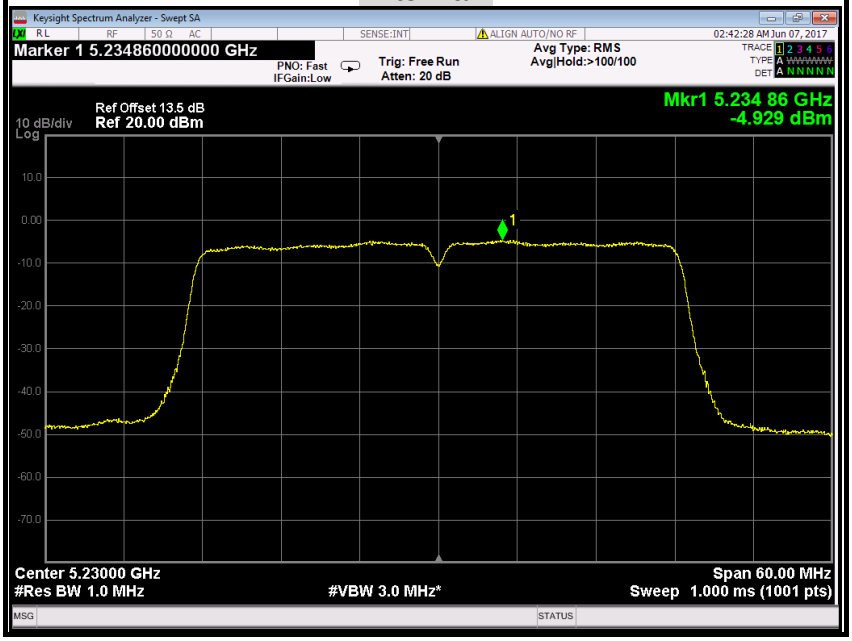
PPSD (CH Low)

Antenna 2



PPSD (CH High)

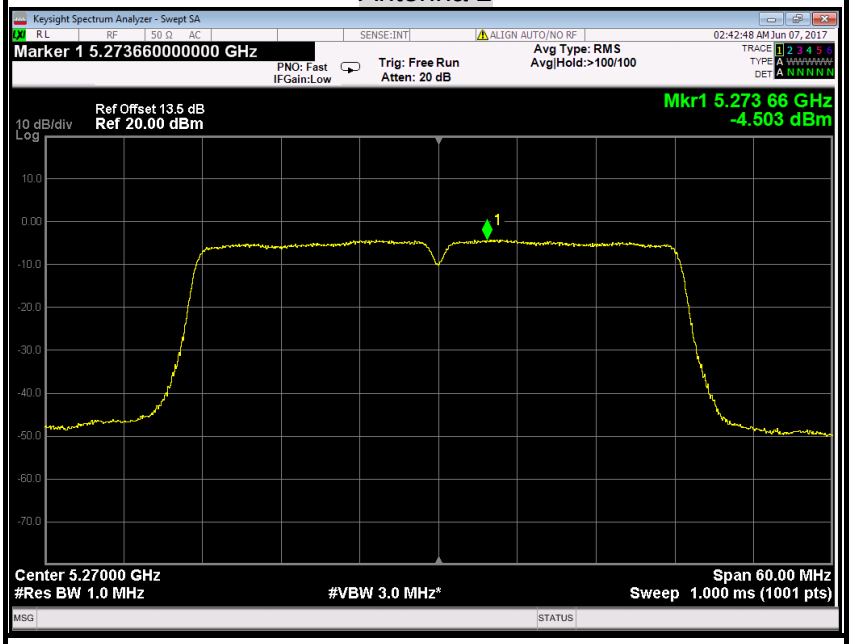
Antenna 2



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

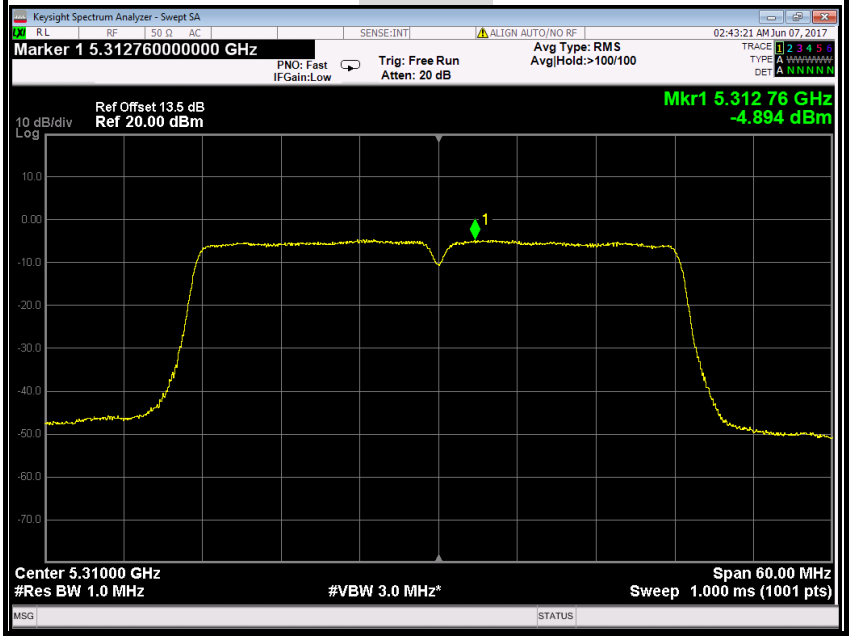
PPSD (CH Low)

Antenna 2



PPSD (CH High)

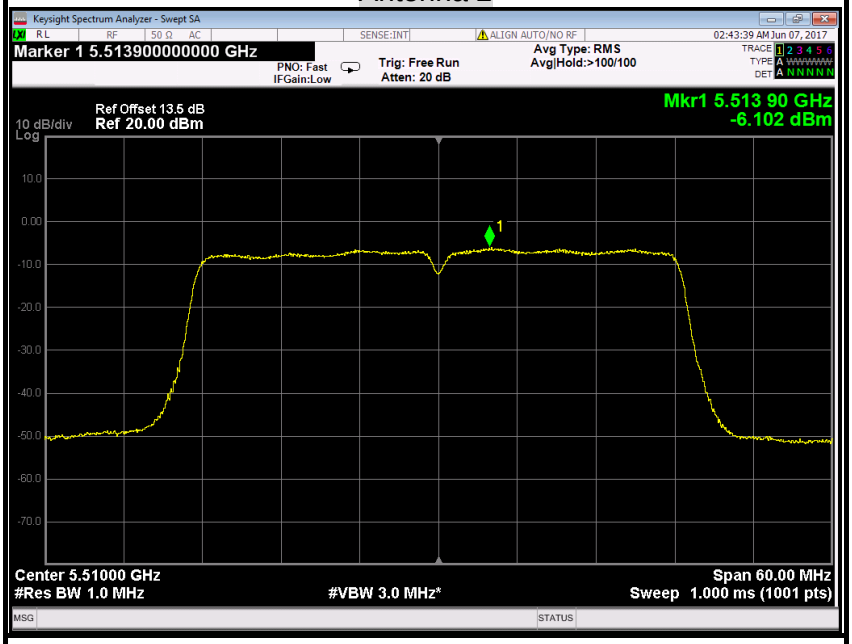
Antenna 2



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

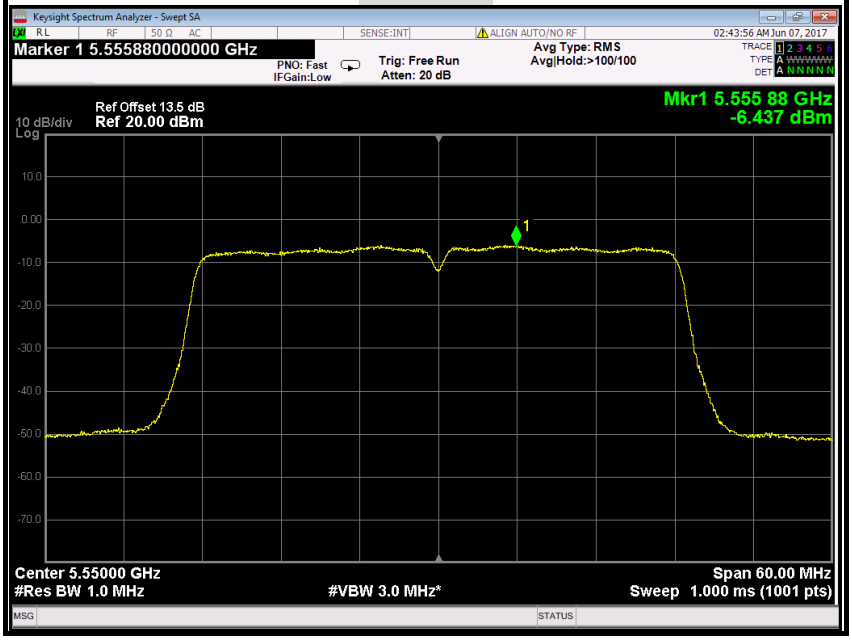
PPSD (CH Low)

Antenna 2



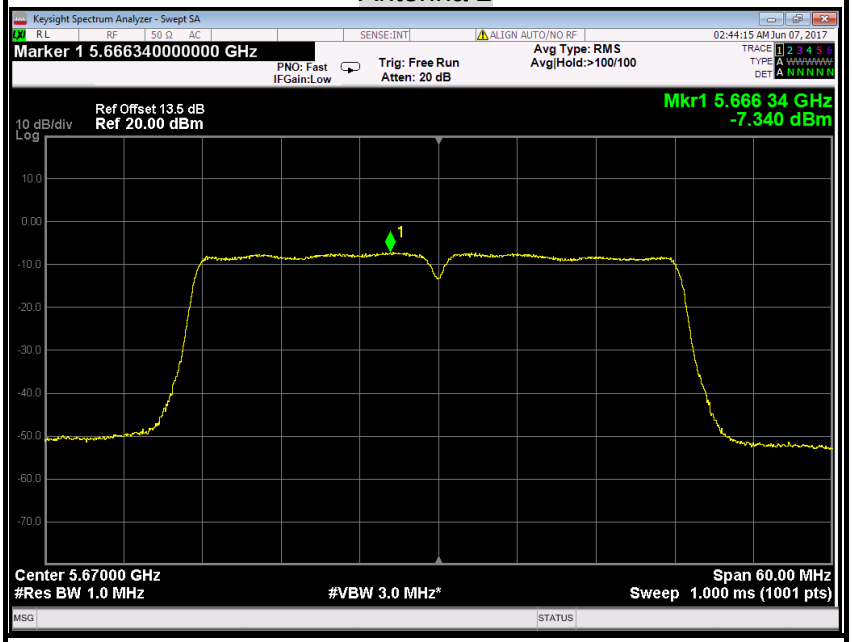
PPSD (CH Mid)

Antenna 2



PPSD (CH High)

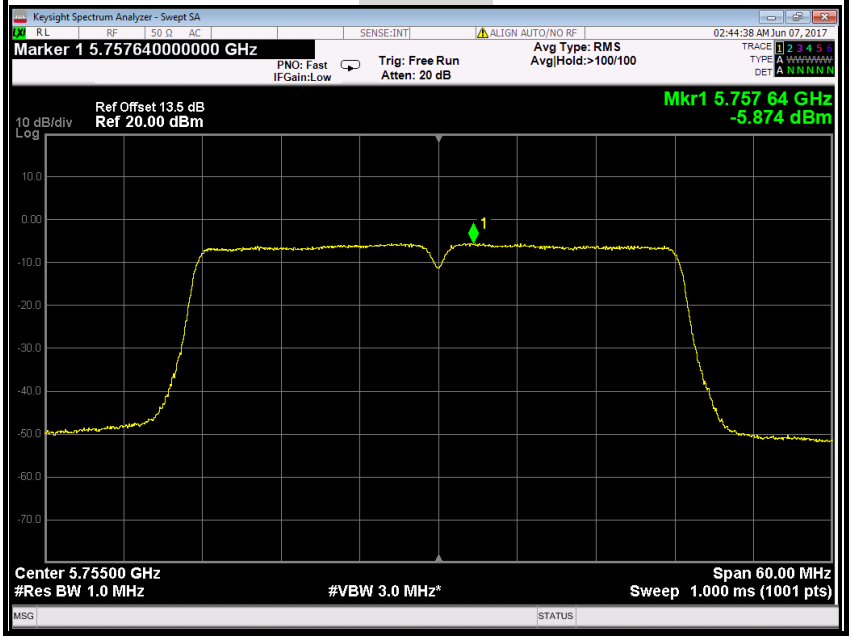
Antenna 2



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

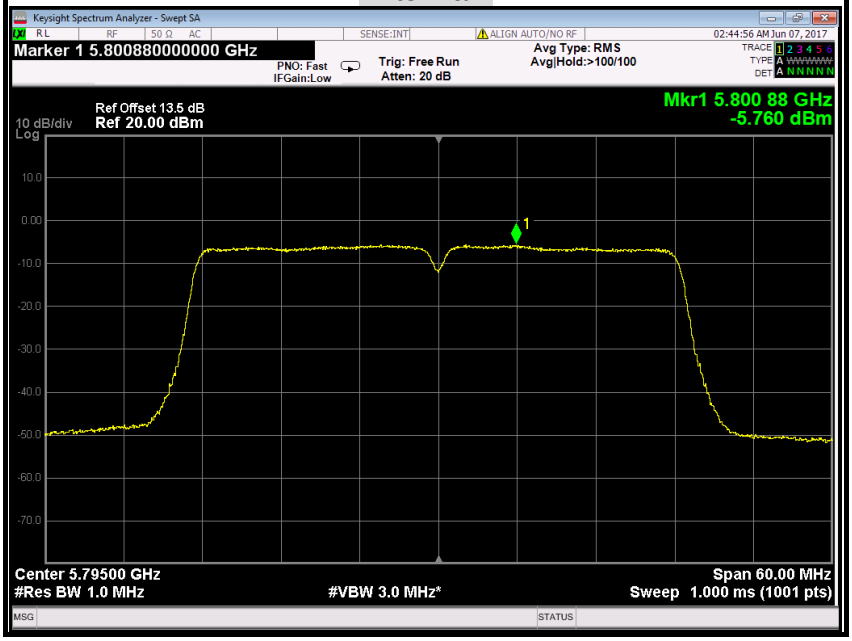
PPSD (CH Low)

Antenna 2



PPSD (CH High)

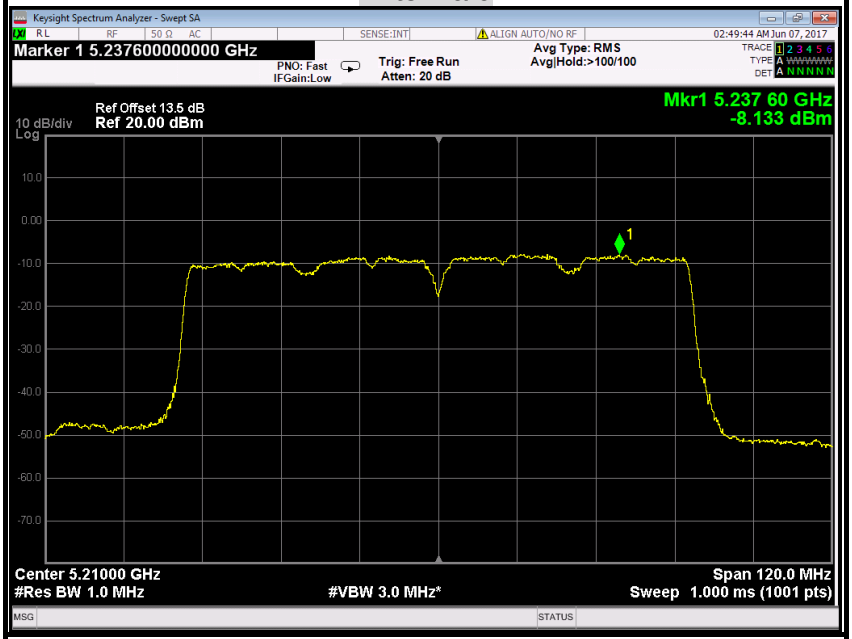
Antenna 2



IEEE 802.11ac 80 mode / 5210MHz

PPSD

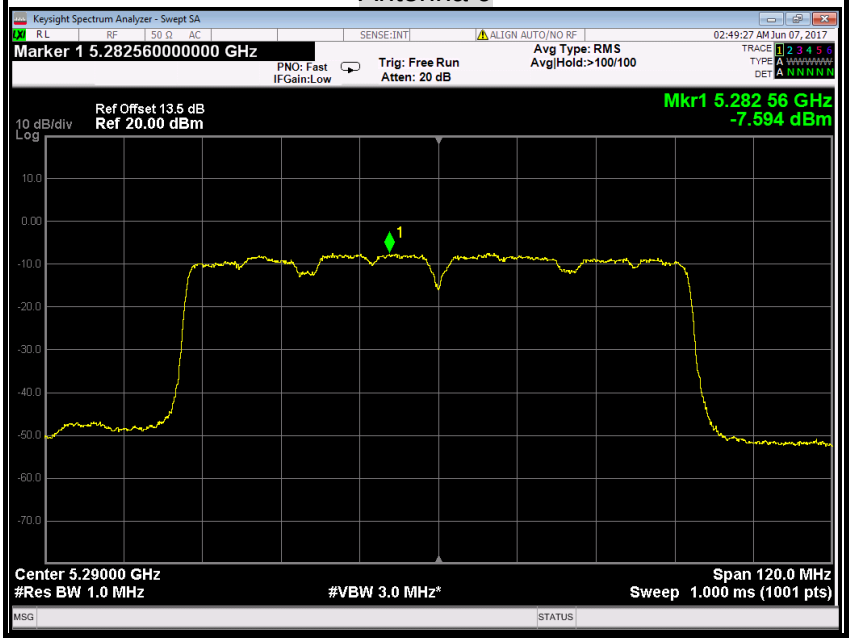
Antenna 0



IEEE 802.11ac 80 mode / 5290MHz

PPSD

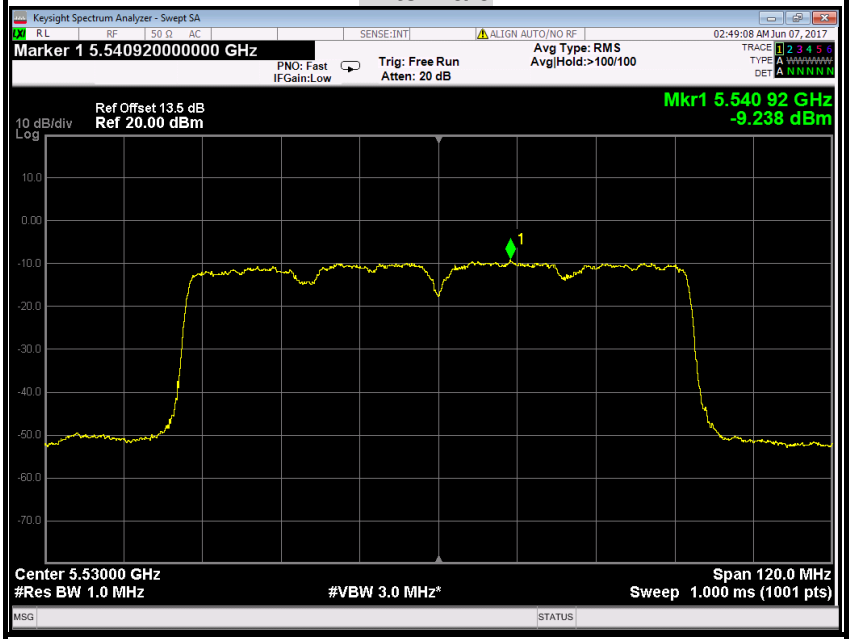
Antenna 0



IEEE 802.11ac 80 mode / 5530MHz

PPSD

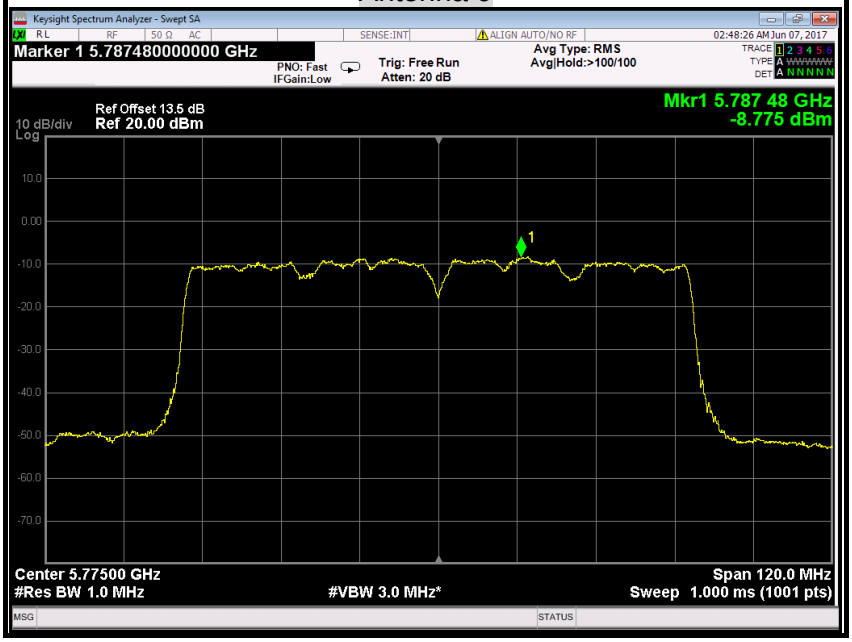
Antenna 0



IEEE 802.11ac 80 mode / 5775MHz

PPSD

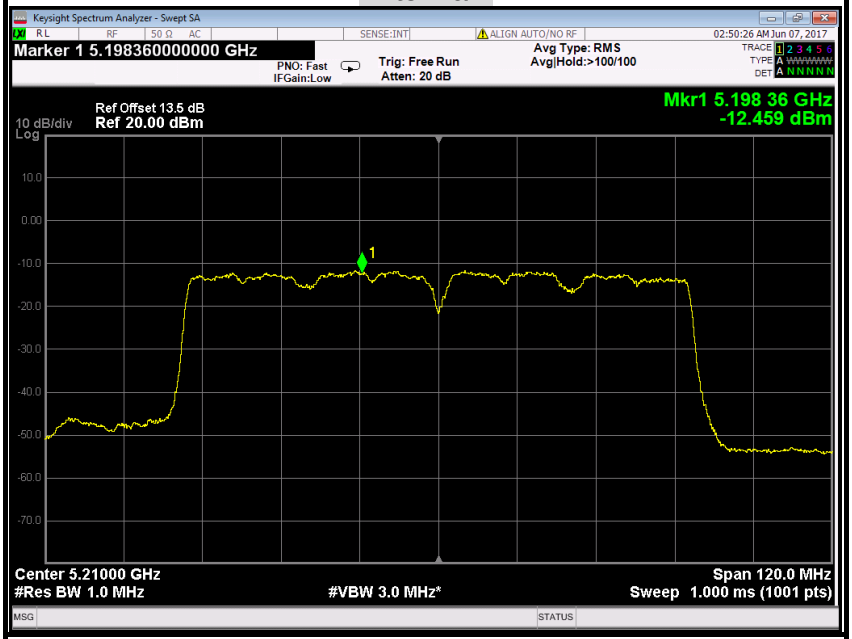
Antenna 0



IEEE 802.11ac 80 mode / 5210MHz

PPSD

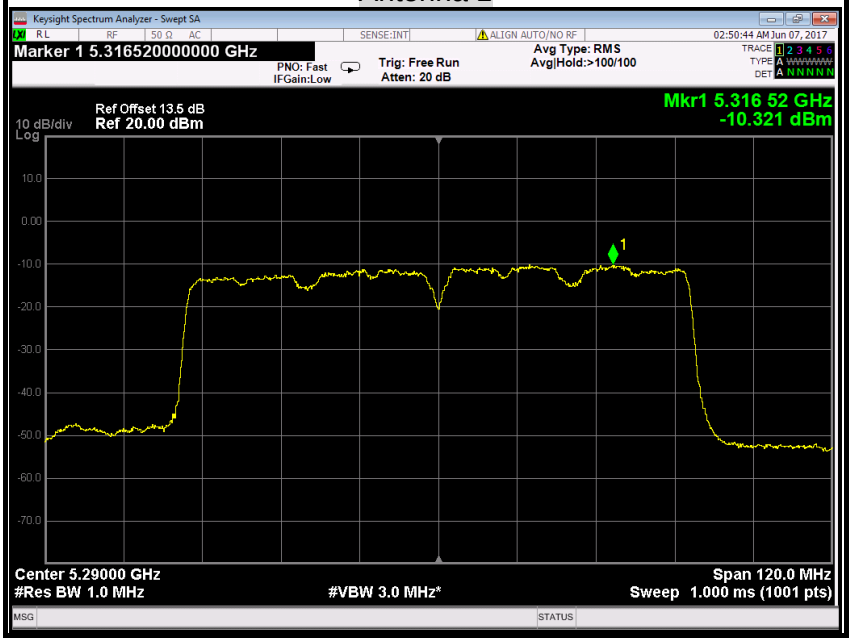
Antenna 1



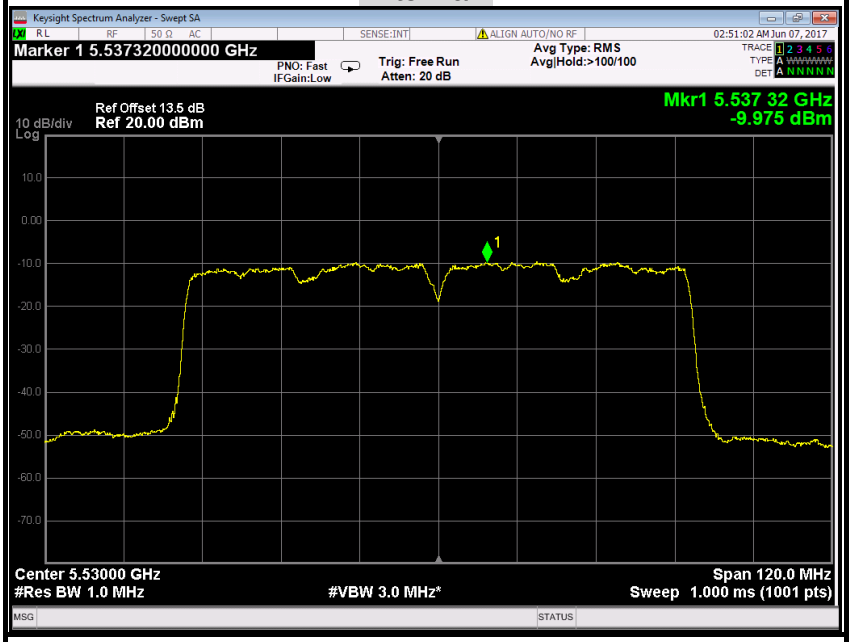
IEEE 802.11ac 80 mode / 5290MHz

PPSD

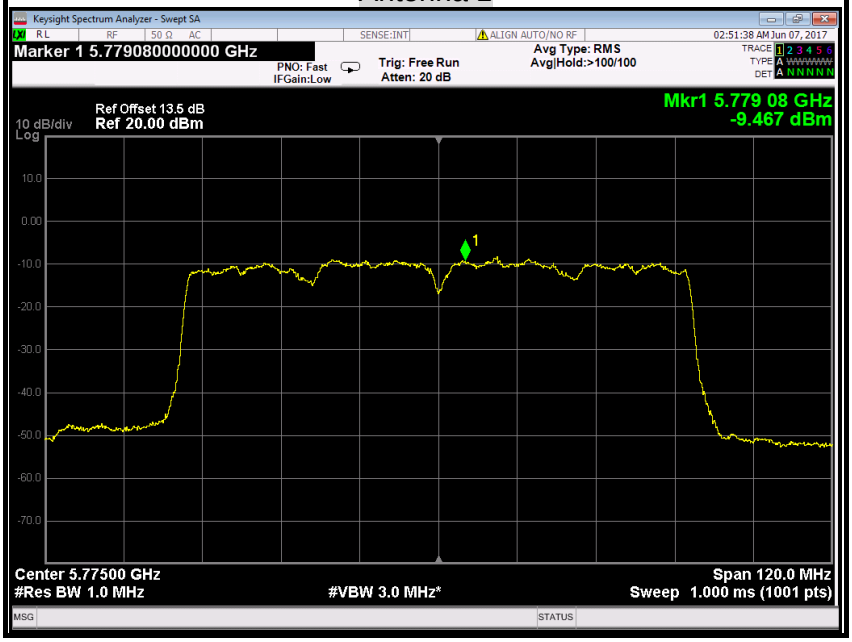
Antenna 1



IEEE 802.11ac 80 mode / 5530MHz
PPSD
Antenna 1



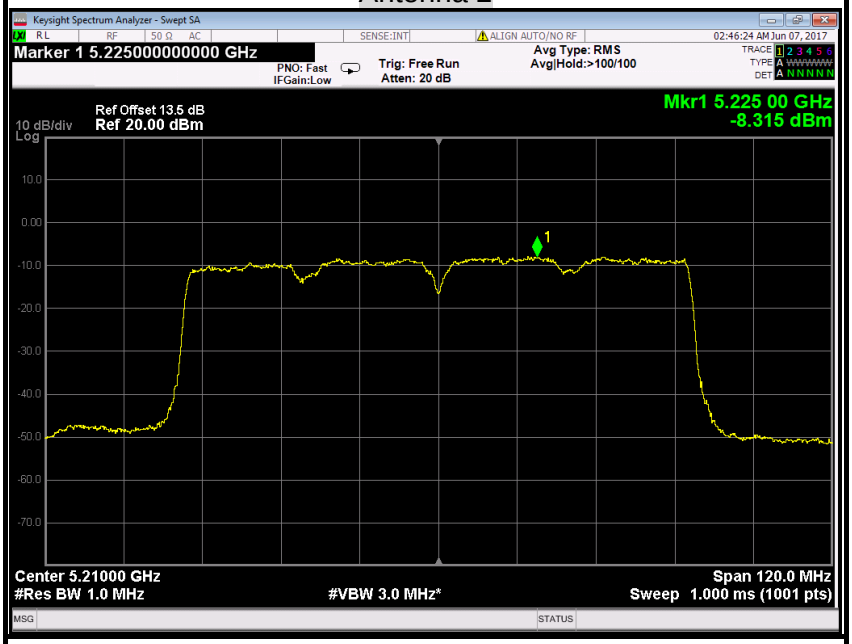
IEEE 802.11ac 80 mode / 5775MHz
PPSD
Antenna 1



IEEE 802.11ac 80 mode / 5210MHz

PPSD

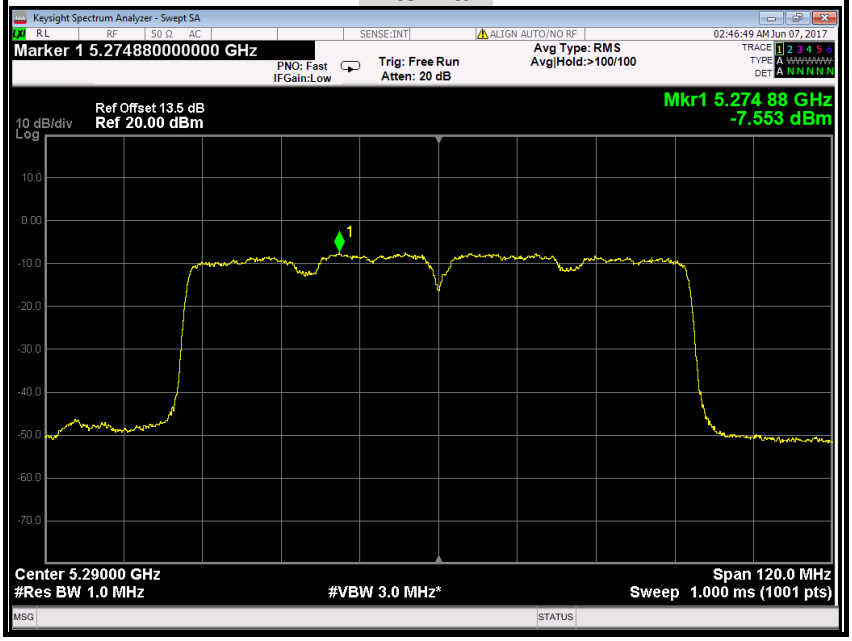
Antenna 2



IEEE 802.11ac 80 mode / 5290MHz

PPSD

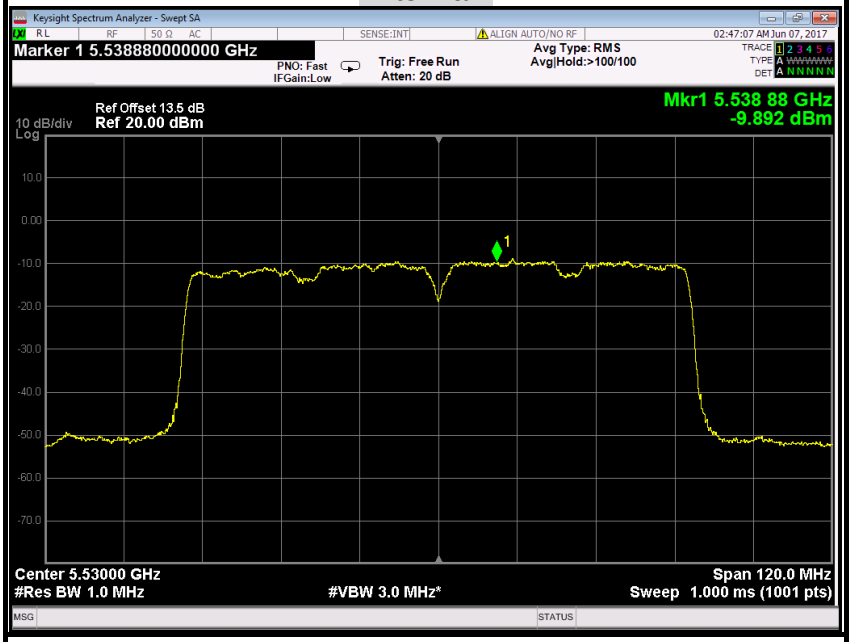
Antenna 2



IEEE 802.11ac 80 mode / 5530MHz

PPSD

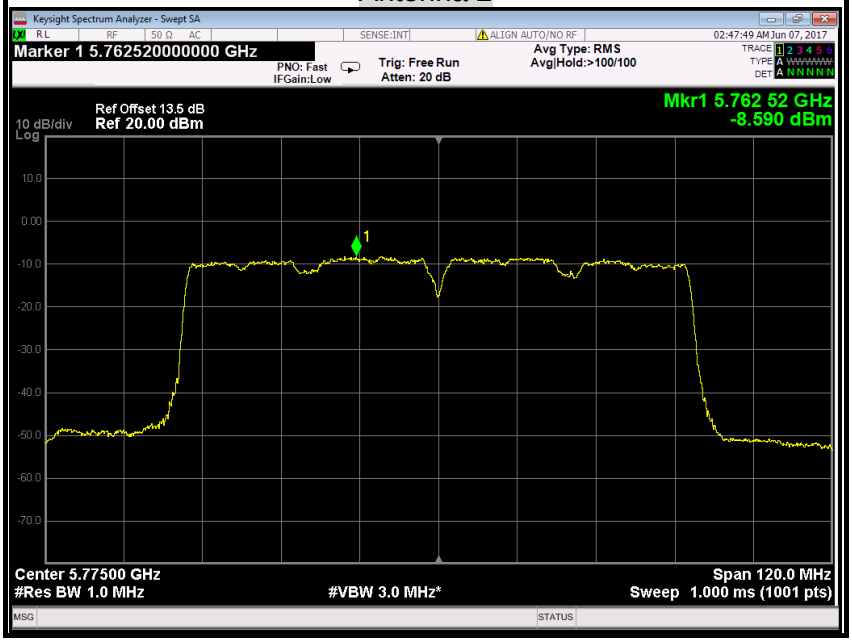
Antenna 2



IEEE 802.11ac 80 mode / 5775MHz

PPSD

Antenna 2



6.7 RADIATED UNDESIABLE EMISSION

6.7.1 LIMIT

1. According to §15.209(a), except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
30-88	100*	3
88-216	150*	3
216-960	200*	3
Above 960	500	3

Remark: *Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.*

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

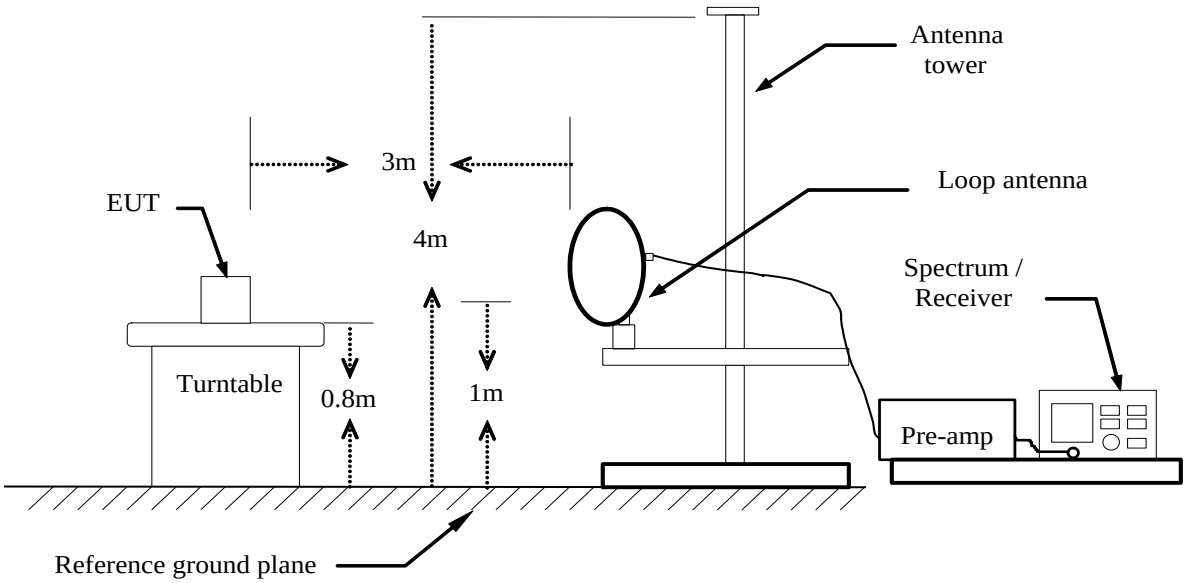
Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBμV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

6.7.2 TEST INSTRUMENTS

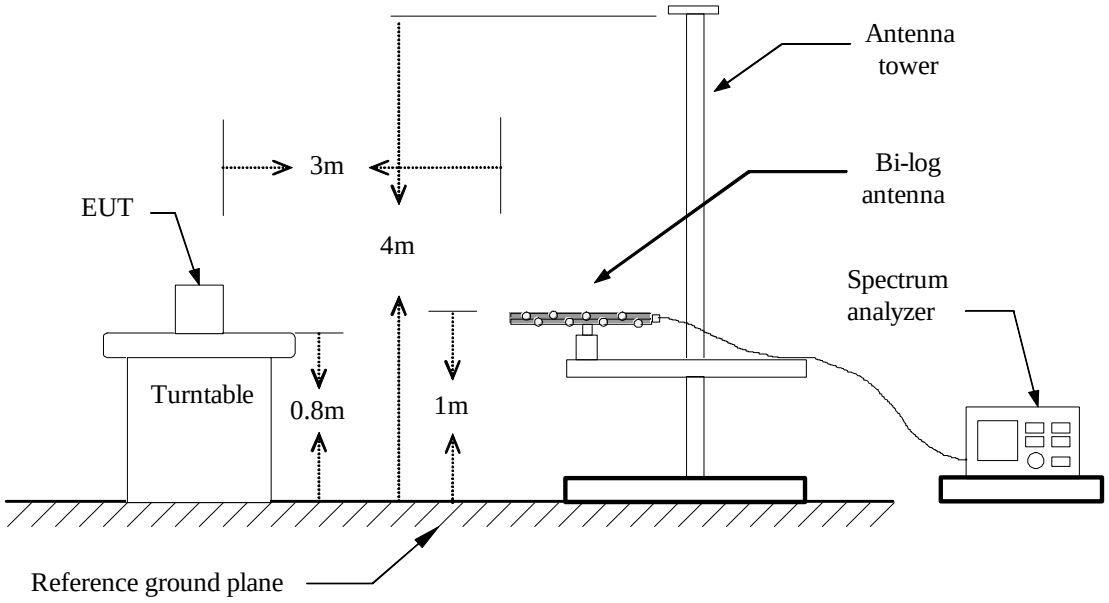
Radiated Emission Test Site 966(2)					
Name of Equipment	**Manufacturer**	**Model Number**	**Serial Number**	**Last Calibration**	**Due Calibration**
PSA Series Spectrum Analyzer	Agilent	E4446A	US44300399	02/21/2017	02/20/2018
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/21/2017	02/20/2018
Amplifier	EMEC	EM330	060661	03/18/2017	03/17/2018
High Noise Amplifier	Agilent	8449B	3008A01838	02/21/2017	02/20/2018
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170-497	02/28/2017	02/27/2018
Bilog Antenna	SCHAFFNER	CBL6143	5082	02/21/2017	02/20/2018
Horn Antenna	SCHWARZBECK	BBHA9120	D286	02/28/2017	02/27/2018
Loop Antenna	COM-POWER	AL-130	121044	09/25/2016	09/24/2017
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	02/21/2017	02/20/2018
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R
Test S/W	FARAD	LZ-RF / CCS-SZ-3A2			

6.7.3 TEST CONFIGURATION

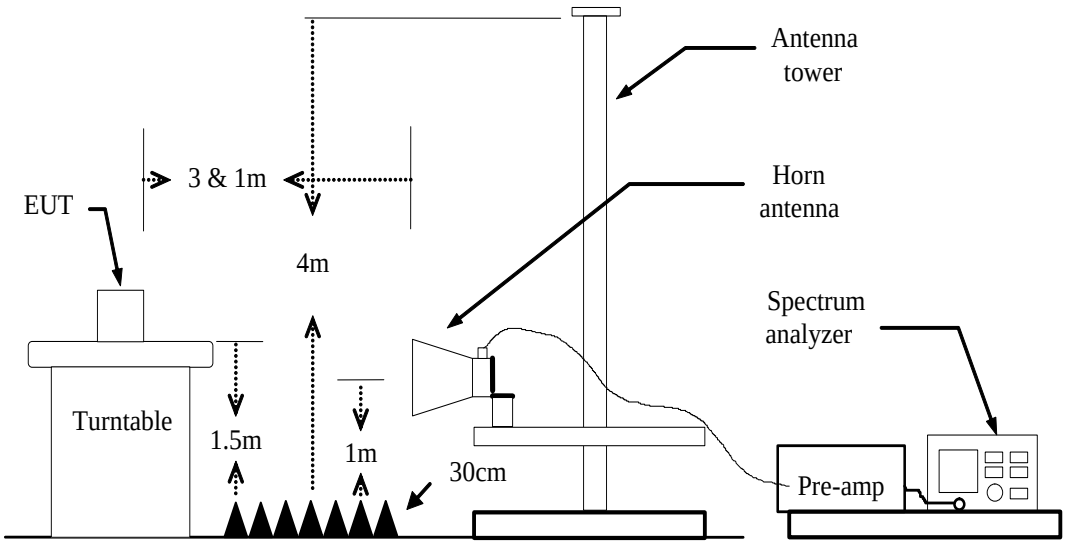
Below 30MHz



Below 1 GHz



Above 1 GHz



For the actual test configuration, please refer to the related item – Photographs of the TEST CONFIGURATION.

6.7.4 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

6.7.5TEST PROCEDURE

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

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.

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.

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.

6.7.6 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

6.7.7 TEST RESULTS

Below 1 GHz

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** April 14, 2017

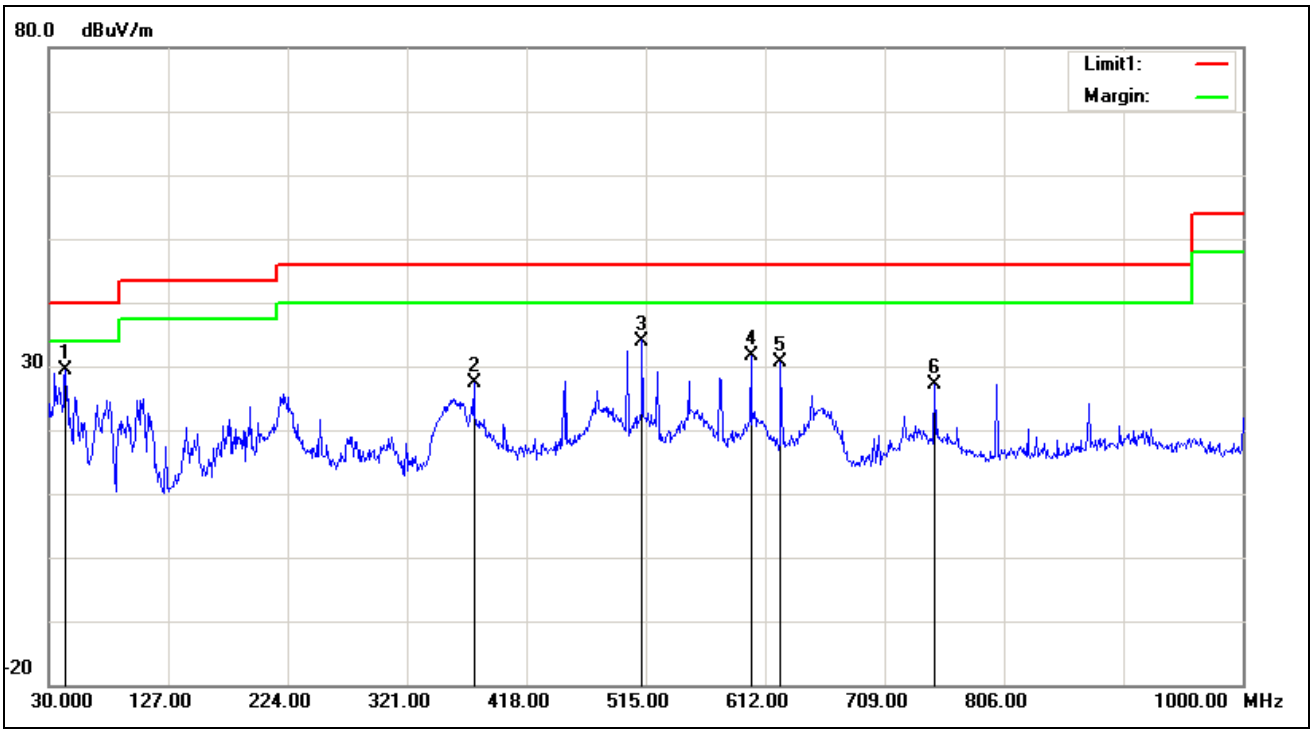
Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
43.5800	47.84	-18.40	29.44	40.00	-10.56	V	QP
375.3200	44.13	-16.82	27.31	46.00	-18.69	V	QP
512.0900	48.22	-14.22	34.00	46.00	-12.00	V	QP
600.3600	44.40	-12.86	31.54	46.00	-14.46	V	QP
624.6100	43.25	-12.73	30.52	46.00	-15.48	V	QP
749.7400	38.31	-11.19	27.12	46.00	-18.88	V	QP
38.7300	48.41	-15.79	32.62	40.00	-7.38	H	QP
193.9300	52.64	-22.81	29.83	43.50	-13.67	H	QP
222.0600	51.96	-20.66	31.30	46.00	-14.70	H	QP
353.9800	47.93	-17.56	30.37	46.00	-15.63	H	QP
512.0900	46.49	-14.22	32.27	46.00	-13.73	H	QP
575.1400	46.10	-13.07	33.03	46.00	-12.97	H	QP

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

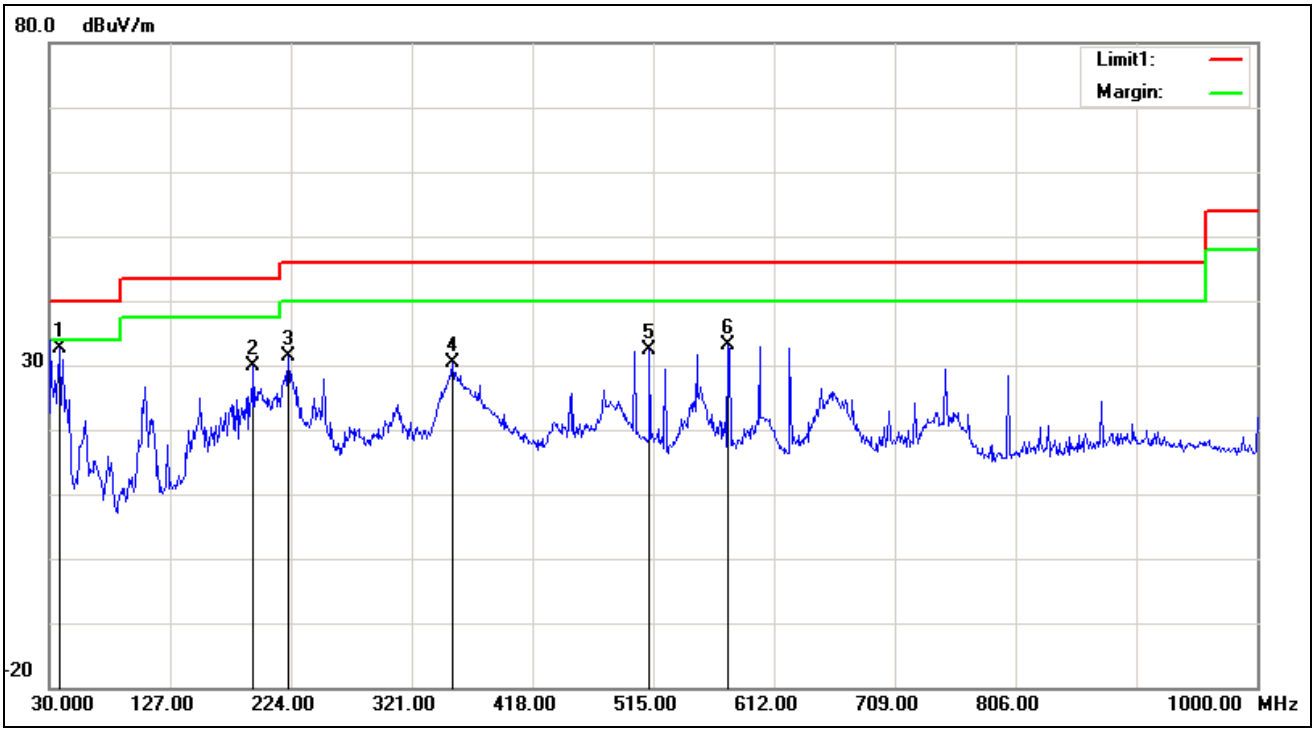
Remark:

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).*

Vertical



Horizontal



Above 1 GHz

1GHz~6GHz

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1635.000	48.11	-6.62	41.49	74.00	-32.51	V	peak
2500.000	47.36	-2.26	45.10	74.00	-28.90	V	peak
2665.000	46.39	-1.96	44.43	74.00	-29.57	V	peak
3050.000	45.30	-1.28	44.02	74.00	-29.98	V	peak
3455.000	48.28	-0.60	47.68	74.00	-26.32	V	peak
5615.000	47.33	5.92	53.25	74.00	-20.75	V	peak
5615.000	41.77	5.92	47.69	54.00	-6.31	V	AVG
2500.000	47.48	-2.26	45.22	74.00	-28.78	H	Peak
2675.000	46.38	-1.94	44.44	74.00	-29.56	H	Peak
2950.000	45.46	-1.45	44.01	74.00	-29.99	H	Peak
3455.000	48.80	-0.60	48.20	74.00	-25.80	H	peak
4375.000	44.47	2.91	47.38	74.00	-26.62	H	peak
4760.000	43.69	4.20	47.89	74.00	-26.11	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).*

Above 6GHz

Antenna 0

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7920.000	33.05	9.49	42.54	74.00	-31.46	V	peak
9804.000	32.37	11.42	43.79	74.00	-30.21	V	peak
10704.000	32.20	14.16	46.36	74.00	-27.64	V	peak
11256.000	32.68	14.97	47.65	74.00	-26.35	V	peak
11424.000	32.52	14.89	47.41	74.00	-26.59	V	peak
12984.000	30.43	17.90	48.33	74.00	-25.67	V	peak
8088.000	33.60	9.60	43.20	74.00	-30.80	H	Peak
10080.000	32.71	12.23	44.94	74.00	-29.06	H	Peak
10668.000	32.41	14.05	46.46	74.00	-27.54	H	Peak
11136.000	32.77	15.02	47.79	74.00	-26.21	H	peak
11412.000	32.66	14.90	47.56	74.00	-26.44	H	peak
13008.000	30.90	17.97	48.87	74.00	-25.13	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7932.000	32.97	9.52	42.49	74.00	-31.51	V	peak
8400.000	33.27	9.43	42.70	74.00	-31.30	V	peak
10068.000	32.47	12.19	44.66	74.00	-29.34	V	peak
10680.000	31.96	14.09	46.05	74.00	-27.95	V	peak
11244.000	32.44	14.97	47.41	74.00	-26.59	V	peak
13200.000	30.74	18.48	49.22	74.00	-24.78	V	peak
7992.000	33.05	9.63	42.68	74.00	-31.32	H	Peak
10080.000	32.24	12.23	44.47	74.00	-29.53	H	Peak
10620.000	32.31	13.90	46.21	74.00	-27.79	H	Peak
11136.000	32.65	15.02	47.67	74.00	-26.33	H	peak
12444.000	31.55	16.11	47.66	74.00	-26.34	H	peak
12780.000	30.58	17.22	47.80	74.00	-26.20	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7608.000	32.95	8.89	41.84	74.00	-32.16	V	peak
7980.000	32.98	9.61	42.59	74.00	-31.41	V	peak
10692.000	31.87	14.13	46.00	74.00	-28.00	V	peak
11148.000	32.83	15.01	47.84	74.00	-26.16	V	peak
11772.000	31.97	14.74	46.71	74.00	-27.29	V	peak
13068.000	30.54	18.13	48.67	74.00	-25.33	V	peak
7740.000	32.68	9.14	41.82	74.00	-32.18	H	Peak
8004.000	32.93	9.65	42.58	74.00	-31.42	H	Peak
8424.000	33.39	9.42	42.81	74.00	-31.19	H	Peak
10716.000	32.41	14.20	46.61	74.00	-27.39	H	peak
11172.000	32.75	15.00	47.75	74.00	-26.25	H	peak
13200.000	30.55	18.48	49.03	74.00	-24.97	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7164.000	32.93	8.02	40.95	74.00	-33.05	V	peak
8100.000	33.16	9.60	42.76	74.00	-31.24	V	peak
10044.000	32.36	12.12	44.48	74.00	-29.52	V	peak
11136.000	32.61	15.02	47.63	74.00	-26.37	V	peak
11376.000	32.27	14.91	47.18	74.00	-26.82	V	peak
12984.000	30.34	17.90	48.24	74.00	-25.76	V	peak
8004.000	33.25	9.65	42.90	74.00	-31.10	H	Peak
10008.000	32.90	12.00	44.90	74.00	-29.10	H	Peak
10608.000	31.97	13.86	45.83	74.00	-28.17	H	Peak
11172.000	32.16	15.00	47.16	74.00	-26.84	H	peak
12396.000	31.72	15.95	47.67	74.00	-26.33	H	peak
13272.000	30.41	18.67	49.08	74.00	-24.92	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6792.000	33.93	7.36	41.29	74.00	-32.71	V	peak
7860.000	33.12	9.38	42.50	74.00	-31.50	V	peak
8400.000	33.25	9.43	42.68	74.00	-31.32	V	peak
10728.000	32.00	14.24	46.24	74.00	-27.76	V	peak
11148.000	32.64	15.01	47.65	74.00	-26.35	V	peak
12732.000	31.21	17.06	48.27	74.00	-25.73	V	peak
7200.000	33.21	8.09	41.30	74.00	-32.70	H	Peak
7896.000	33.02	9.45	42.47	74.00	-31.53	H	Peak
9684.000	32.09	11.07	43.16	74.00	-30.84	H	Peak
10704.000	32.04	14.16	46.20	74.00	-27.80	H	peak
11160.000	32.64	15.01	47.65	74.00	-26.35	H	peak
12972.000	30.30	17.86	48.16	74.00	-25.84	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7092.000	34.03	7.88	41.91	74.00	-32.09	V	peak
8076.000	33.03	9.61	42.64	74.00	-31.36	V	peak
10260.000	31.85	12.79	44.64	74.00	-29.36	V	peak
10692.000	32.47	14.13	46.60	74.00	-27.40	V	peak
11172.000	32.32	15.00	47.32	74.00	-26.68	V	peak
11748.000	32.38	14.75	47.13	74.00	-26.87	V	peak
8064.000	33.56	9.61	43.17	74.00	-30.83	H	Peak
8364.000	33.47	9.45	42.92	74.00	-31.08	H	Peak
10032.000	33.02	12.08	45.10	74.00	-28.90	H	Peak
11136.000	32.88	15.02	47.90	74.00	-26.10	H	peak
12312.000	31.80	15.67	47.47	74.00	-26.53	H	peak
13332.000	30.71	18.82	49.53	74.00	-24.47	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7668.000	33.42	9.00	42.42	74.00	-31.58	V	peak
8124.000	33.42	9.58	43.00	74.00	-31.00	V	peak
10680.000	31.81	14.09	45.90	74.00	-28.10	V	peak
11136.000	32.40	15.02	47.42	74.00	-26.58	V	peak
11520.000	32.40	14.85	47.25	74.00	-26.75	V	peak
12972.000	30.03	17.86	47.89	74.00	-26.11	V	peak
8136.000	33.02	9.58	42.60	74.00	-31.40	H	Peak
9816.000	32.60	11.45	44.05	74.00	-29.95	H	Peak
9996.000	32.19	11.97	44.16	74.00	-29.84	H	Peak
11004.000	31.54	15.08	46.62	74.00	-27.38	H	peak
11280.000	32.42	14.96	47.38	74.00	-26.62	H	peak
12540.000	31.51	16.43	47.94	74.00	-26.06	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7896.000	33.11	9.45	42.56	74.00	-31.44	V	peak
8424.000	33.20	9.42	42.62	74.00	-31.38	V	peak
10236.000	32.40	12.71	45.11	74.00	-28.89	V	peak
11160.000	32.44	15.01	47.45	74.00	-26.55	V	peak
11448.000	32.74	14.88	47.62	74.00	-26.38	V	peak
12492.000	31.66	16.27	47.93	74.00	-26.07	V	peak
7908.000	33.01	9.47	42.48	74.00	-31.52	H	Peak
9936.000	32.35	11.80	44.15	74.00	-29.85	H	Peak
10152.000	31.97	12.45	44.42	74.00	-29.58	H	peak
11172.000	32.31	15.00	47.31	74.00	-26.69	H	peak
11832.000	32.04	14.71	46.75	74.00	-27.25	H	peak
12636.000	31.26	16.75	48.01	74.00	-25.99	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6180.000	34.91	6.37	41.28	74.00	-32.72	V	peak
8136.000	33.57	9.58	43.15	74.00	-30.85	V	peak
10248.000	32.28	12.75	45.03	74.00	-28.97	V	peak
11136.000	32.60	15.02	47.62	74.00	-26.38	V	peak
11616.000	32.56	14.81	47.37	74.00	-26.63	V	peak
12696.000	31.10	16.94	48.04	74.00	-25.96	V	peak
8112.000	33.21	9.59	42.80	74.00	-31.20	H	Peak
9360.000	32.82	10.14	42.96	74.00	-31.04	H	Peak
10584.000	32.16	13.79	45.95	74.00	-28.05	H	Peak
11136.000	32.74	15.02	47.76	74.00	-26.24	H	peak
11388.000	32.51	14.91	47.42	74.00	-26.58	H	peak
12684.000	31.38	16.90	48.28	74.00	-25.72	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6228.000	35.34	6.45	41.79	74.00	-32.21	V	peak
7656.000	33.09	8.98	42.07	74.00	-31.93	V	peak
10116.000	32.15	12.34	44.49	74.00	-29.51	V	peak
11136.000	31.99	15.02	47.01	74.00	-26.99	V	peak
12300.000	31.97	15.63	47.60	74.00	-26.40	V	peak
13056.000	30.78	18.10	48.88	74.00	-25.12	V	peak
7740.000	32.88	9.14	42.02	74.00	-31.98	H	Peak
8076.000	33.08	9.61	42.69	74.00	-31.31	H	Peak
10704.000	31.93	14.16	46.09	74.00	-27.91	H	Peak
11136.000	33.76	15.02	48.78	74.00	-25.22	H	peak
12180.000	31.71	15.24	46.95	74.00	-27.05	H	peak
12552.000	31.36	16.47	47.83	74.00	-26.17	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7716.000	33.73	9.10	42.83	74.00	-31.17	V	peak
9936.000	32.47	11.80	44.27	74.00	-29.73	V	peak
10860.000	31.28	14.65	45.93	74.00	-28.07	V	peak
11172.000	32.56	15.00	47.56	74.00	-26.44	V	peak
11340.000	32.61	14.93	47.54	74.00	-26.46	V	peak
12624.000	30.82	16.71	47.53	74.00	-26.47	V	peak
7332.000	32.68	8.35	41.03	74.00	-32.97	H	Peak
7764.000	32.80	9.19	41.99	74.00	-32.01	H	Peak
8076.000	32.98	9.61	42.59	74.00	-31.41	H	Peak
10176.000	32.03	12.53	44.56	74.00	-29.44	H	peak
11148.000	32.96	15.01	47.97	74.00	-26.03	H	peak
12600.000	30.99	16.63	47.62	74.00	-26.38	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6312.000	34.35	6.59	40.94	74.00	-33.06	V	peak
8004.000	33.01	9.65	42.66	74.00	-31.34	V	peak
8436.000	33.20	9.41	42.61	74.00	-31.39	V	peak
10044.000	32.18	12.12	44.30	74.00	-29.70	V	peak
11196.000	32.46	14.99	47.45	74.00	-26.55	V	peak
13104.000	31.15	18.22	49.37	74.00	-24.63	V	peak
7968.000	32.65	9.59	42.24	74.00	-31.76	H	Peak
8388.000	33.10	9.44	42.54	74.00	-31.46	H	Peak
10344.000	31.90	13.05	44.95	74.00	-29.05	H	Peak
11280.000	33.16	14.96	48.12	74.00	-25.88	H	peak
12600.000	31.35	16.63	47.98	74.00	-26.02	H	peak
13212.000	30.44	18.51	48.95	74.00	-25.05	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).*

Antenna 1

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7980.000	33.39	9.61	43.00	74.00	-31.00	V	peak
8256.000	33.32	9.51	42.83	74.00	-31.17	V	peak
10668.000	31.73	14.05	45.78	74.00	-28.22	V	peak
11148.000	32.76	15.01	47.77	74.00	-26.23	V	peak
12132.000	32.06	15.08	47.14	74.00	-26.86	V	peak
13080.000	30.97	18.16	49.13	74.00	-24.87	V	peak
7644.000	33.15	8.96	42.11	74.00	-31.89	H	Peak
7908.000	32.99	9.47	42.46	74.00	-31.54	H	Peak
10104.000	32.15	12.30	44.45	74.00	-29.55	H	Peak
10620.000	32.46	13.90	46.36	74.00	-27.64	H	peak
11148.000	32.71	15.01	47.72	74.00	-26.28	H	peak
13344.000	30.15	18.85	49.00	74.00	-25.00	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6936.000	33.73	7.60	41.33	74.00	-32.67	V	peak
8004.000	32.87	9.65	42.52	74.00	-31.48	V	peak
10596.000	32.50	13.83	46.33	74.00	-27.67	V	peak
11136.000	32.59	15.02	47.61	74.00	-26.39	V	peak
12744.000	31.39	17.10	48.49	74.00	-25.51	V	peak
13260.000	30.82	18.63	49.45	74.00	-24.55	V	peak
7044.000	33.37	7.79	41.16	74.00	-32.84	H	Peak
7992.000	33.14	9.63	42.77	74.00	-31.23	H	Peak
10272.000	31.53	12.82	44.35	74.00	-29.65	H	Peak
10788.000	31.42	14.42	45.84	74.00	-28.16	H	peak
11136.000	32.60	15.02	47.62	74.00	-26.38	H	peak
13080.000	30.92	18.16	49.08	74.00	-24.92	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7680.000	33.22	9.03	42.25	74.00	-31.75	V	peak
8160.000	33.08	9.56	42.64	74.00	-31.36	V	peak
10116.000	32.18	12.34	44.52	74.00	-29.48	V	peak
10692.000	31.77	14.13	45.90	74.00	-28.10	V	peak
11184.000	32.82	15.00	47.82	74.00	-26.18	V	peak
12672.000	31.02	16.86	47.88	74.00	-26.12	V	peak
8064.000	32.87	9.61	42.48	74.00	-31.52	H	Peak
10152.000	32.22	12.45	44.67	74.00	-29.33	H	Peak
10800.000	31.67	14.46	46.13	74.00	-27.87	H	Peak
11280.000	32.19	14.96	47.15	74.00	-26.85	H	peak
12588.000	31.58	16.59	48.17	74.00	-25.83	H	peak
13032.000	30.83	18.03	48.86	74.00	-25.14	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7356.000	33.27	8.39	41.66	74.00	-32.34	V	peak
7692.000	33.10	9.05	42.15	74.00	-31.85	V	peak
10608.000	32.67	13.86	46.53	74.00	-27.47	V	peak
11160.000	32.21	15.01	47.22	74.00	-26.78	V	peak
12360.000	31.18	15.83	47.01	74.00	-26.99	V	peak
13080.000	30.52	18.16	48.68	74.00	-25.32	V	peak
7680.000	32.90	9.03	41.93	74.00	-32.07	H	Peak
8016.000	32.59	9.64	42.23	74.00	-31.77	H	Peak
9948.000	32.34	11.83	44.17	74.00	-29.83	H	Peak
10764.000	31.52	14.35	45.87	74.00	-28.13	H	peak
11292.000	32.40	14.95	47.35	74.00	-26.65	H	peak
12660.000	31.03	16.82	47.85	74.00	-26.15	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7068.000	33.51	7.83	41.34	74.00	-32.66	V	peak
7956.000	32.99	9.56	42.55	74.00	-31.45	V	peak
9384.000	32.66	10.21	42.87	74.00	-31.13	V	peak
10716.000	31.98	14.20	46.18	74.00	-27.82	V	peak
11208.000	32.66	14.99	47.65	74.00	-26.35	V	peak
11760.000	31.89	14.75	46.64	74.00	-27.36	V	peak
7440.000	32.84	8.56	41.40	74.00	-32.60	H	Peak
8004.000	33.28	9.65	42.93	74.00	-31.07	H	Peak
10140.000	32.26	12.41	44.67	74.00	-29.33	H	Peak
11136.000	32.72	15.02	47.74	74.00	-26.26	H	peak
12636.000	31.15	16.75	47.90	74.00	-26.10	H	peak
13236.000	30.06	18.57	48.63	74.00	-25.37	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7992.000	32.89	9.63	42.52	74.00	-31.48	V	peak
8436.000	33.07	9.41	42.48	74.00	-31.52	V	peak
10020.000	32.27	12.04	44.31	74.00	-29.69	V	peak
10716.000	32.01	14.20	46.21	74.00	-27.79	V	peak
11136.000	32.58	15.02	47.60	74.00	-26.40	V	peak
12528.000	30.91	16.39	47.30	74.00	-26.70	V	peak
7944.000	32.72	9.54	42.26	74.00	-31.74	H	Peak
8256.000	33.05	9.51	42.56	74.00	-31.44	H	Peak
10128.000	32.41	12.38	44.79	74.00	-29.21	H	Peak
11160.000	32.96	15.01	47.97	74.00	-26.03	H	peak
12696.000	30.93	16.94	47.87	74.00	-26.13	H	peak
13296.000	30.31	18.73	49.04	74.00	-24.96	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7596.000	33.50	8.86	42.36	74.00	-31.64	V	peak
8076.000	33.27	9.61	42.88	74.00	-31.12	V	peak
10236.000	32.04	12.71	44.75	74.00	-29.25	V	peak
10656.000	32.04	14.01	46.05	74.00	-27.95	V	peak
11136.000	32.27	15.02	47.29	74.00	-26.71	V	peak
13008.000	30.44	17.97	48.41	74.00	-25.59	V	peak
7524.000	32.72	8.72	41.44	74.00	-32.56	H	Peak
8088.000	32.84	9.60	42.44	74.00	-31.56	H	Peak
10152.000	32.19	12.45	44.64	74.00	-29.36	H	Peak
10716.000	32.03	14.20	46.23	74.00	-27.77	H	peak
11136.000	31.97	15.02	46.99	74.00	-27.01	H	peak
12600.000	31.34	16.63	47.97	74.00	-26.03	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7440.000	33.28	8.56	41.84	74.00	-32.16	V	peak
8088.000	33.11	9.60	42.71	74.00	-31.29	V	peak
10716.000	31.96	14.20	46.16	74.00	-27.84	V	peak
11304.000	32.66	14.95	47.61	74.00	-26.39	V	peak
11928.000	32.16	14.67	46.83	74.00	-27.17	V	peak
13224.000	30.59	18.54	49.13	74.00	-24.87	V	peak
7728.000	32.97	9.12	42.09	74.00	-31.91	H	Peak
8148.000	32.92	9.57	42.49	74.00	-31.51	H	Peak
9396.000	32.92	10.24	43.16	74.00	-30.84	H	Peak
10764.000	31.82	14.35	46.17	74.00	-27.83	H	peak
11196.000	32.47	14.99	47.46	74.00	-26.54	H	peak
12780.000	30.86	17.22	48.08	74.00	-25.92	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7332.000	33.69	8.35	42.04	74.00	-31.96	V	peak
8400.000	33.31	9.43	42.74	74.00	-31.26	V	peak
9900.000	32.54	11.69	44.23	74.00	-29.77	V	peak
10704.000	32.21	14.16	46.37	74.00	-27.63	V	peak
11172.000	32.50	15.00	47.50	74.00	-26.50	V	peak
12156.000	31.87	15.16	47.03	74.00	-26.97	V	peak
8004.000	32.70	9.65	42.35	74.00	-31.65	H	Peak
8364.000	33.39	9.45	42.84	74.00	-31.16	H	Peak
10668.000	32.24	14.05	46.29	74.00	-27.71	H	Peak
11148.000	32.37	15.01	47.38	74.00	-26.62	H	peak
12624.000	31.20	16.71	47.91	74.00	-26.09	H	peak
13128.000	30.54	18.29	48.83	74.00	-25.17	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in freq*
3. *uency above 1000MHz were made with an instrument using peak/average detector mode.*
4. *Average test would be performed if the peak result were greater than the average limit.*
5. *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.*
6. *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.*
7. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7656.000	33.26	8.98	42.24	74.00	-31.76	V	peak
8232.000	33.12	9.52	42.64	74.00	-31.36	V	peak
10260.000	32.43	12.79	45.22	74.00	-28.78	V	peak
11172.000	32.77	15.00	47.77	74.00	-26.23	V	peak
12408.000	31.41	15.99	47.40	74.00	-26.60	V	peak
12996.000	30.94	17.94	48.88	74.00	-25.12	V	peak
7692.000	33.23	9.05	42.28	74.00	-31.72	H	Peak
8208.000	32.99	9.54	42.53	74.00	-31.47	H	Peak
9420.000	32.30	10.31	42.61	74.00	-31.39	H	Peak
10608.000	32.48	13.86	46.34	74.00	-27.66	H	peak
11136.000	32.66	15.02	47.68	74.00	-26.32	H	peak
13224.000	30.75	18.54	49.29	74.00	-24.71	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6804.000	33.83	7.38	41.21	74.00	-32.79	V	peak
7980.000	33.27	9.61	42.88	74.00	-31.12	V	peak
10320.000	31.78	12.97	44.75	74.00	-29.25	V	peak
10836.000	31.99	14.57	46.56	74.00	-27.44	V	peak
11148.000	32.59	15.01	47.60	74.00	-26.40	V	peak
12264.000	31.92	15.51	47.43	74.00	-26.57	V	peak
8040.000	33.06	9.63	42.69	74.00	-31.31	H	Peak
10212.000	32.06	12.64	44.70	74.00	-29.30	H	Peak
10716.000	32.33	14.20	46.53	74.00	-27.47	H	Peak
11148.000	32.61	15.01	47.62	74.00	-26.38	H	peak
12324.000	32.13	15.71	47.84	74.00	-26.16	H	peak
13056.000	30.76	18.10	48.86	74.00	-25.14	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7164.000	32.88	8.02	40.90	74.00	-33.10	V	peak
7944.000	32.78	9.54	42.32	74.00	-31.68	V	peak
9912.000	32.43	11.73	44.16	74.00	-29.84	V	peak
10608.000	32.00	13.86	45.86	74.00	-28.14	V	peak
11184.000	32.39	15.00	47.39	74.00	-26.61	V	peak
12588.000	30.94	16.59	47.53	74.00	-26.47	V	peak
7284.000	33.11	8.25	41.36	74.00	-32.64	H	Peak
8160.000	33.58	9.56	43.14	74.00	-30.86	H	Peak
9036.000	33.04	9.20	42.24	74.00	-31.76	H	Peak
10068.000	32.67	12.19	44.86	74.00	-29.14	H	peak
11136.000	32.24	15.02	47.26	74.00	-26.74	H	peak
12492.000	31.62	16.27	47.89	74.00	-26.11	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).*

Antenna 2

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
8004.000	33.01	9.65	42.66	74.00	-31.34	V	peak
10116.000	32.32	12.34	44.66	74.00	-29.34	V	peak
10356.000	33.87	13.08	46.95	74.00	-27.05	V	peak
10572.000	32.30	13.75	46.05	74.00	-27.95	V	peak
11136.000	32.31	15.02	47.33	74.00	-26.67	V	peak
12612.000	31.26	16.67	47.93	74.00	-26.07	V	peak
6936.000	33.40	7.60	41.00	74.00	-33.00	H	Peak
7980.000	33.04	9.61	42.65	74.00	-31.35	H	Peak
9948.000	32.15	11.83	43.98	74.00	-30.02	H	Peak
10728.000	31.89	14.24	46.13	74.00	-27.87	H	peak
11184.000	32.29	15.00	47.29	74.00	-26.71	H	peak
12948.000	30.25	17.78	48.03	74.00	-25.97	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7956.000	33.40	9.56	42.96	74.00	-31.04	V	peak
9444.000	32.49	10.38	42.87	74.00	-31.13	V	peak
10404.000	33.22	13.23	46.45	74.00	-27.55	V	peak
10704.000	32.19	14.16	46.35	74.00	-27.65	V	peak
11280.000	32.41	14.96	47.37	74.00	-26.63	V	peak
12588.000	31.08	16.59	47.67	74.00	-26.33	V	peak
7236.000	32.91	8.16	41.07	74.00	-32.93	H	Peak
8112.000	33.11	9.59	42.70	74.00	-31.30	H	Peak
10704.000	31.68	14.16	45.84	74.00	-28.16	H	Peak
11196.000	32.26	14.99	47.25	74.00	-26.75	H	peak
12408.000	31.41	15.99	47.40	74.00	-26.60	H	peak
13296.000	30.39	18.73	49.12	74.00	-24.88	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
8220.000	32.94	9.53	42.47	74.00	-31.53	V	peak
9336.000	32.16	10.07	42.23	74.00	-31.77	V	peak
10716.000	31.45	14.20	45.65	74.00	-28.35	V	peak
11148.000	32.44	15.01	47.45	74.00	-26.55	V	peak
12540.000	31.37	16.43	47.80	74.00	-26.20	V	peak
13272.000	30.43	18.67	49.10	74.00	-24.90	V	peak
8052.000	32.97	9.62	42.59	74.00	-31.41	H	Peak
9924.000	32.19	11.76	43.95	74.00	-30.05	H	Peak
10620.000	31.72	13.90	45.62	74.00	-28.38	H	Peak
11268.000	32.39	14.96	47.35	74.00	-26.65	H	peak
11424.000	32.34	14.89	47.23	74.00	-26.77	H	peak
13728.000	31.85	19.86	51.71	74.00	-22.29	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7860.000	32.99	9.38	42.37	74.00	-31.63	V	peak
9900.000	32.48	11.69	44.17	74.00	-29.83	V	peak
10524.000	31.85	13.60	45.45	74.00	-28.55	V	peak
11136.000	32.45	15.02	47.47	74.00	-26.53	V	peak
12480.000	31.10	16.23	47.33	74.00	-26.67	V	peak
13008.000	30.63	17.97	48.60	74.00	-25.40	V	peak
7932.000	32.95	9.52	42.47	74.00	-31.53	H	Peak
8436.000	32.93	9.41	42.34	74.00	-31.66	H	Peak
9936.000	32.43	11.80	44.23	74.00	-29.77	H	Peak
10836.000	31.11	14.57	45.68	74.00	-28.32	H	peak
11352.000	32.34	14.93	47.27	74.00	-26.73	H	peak
12756.000	30.85	17.14	47.99	74.00	-26.01	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7044.000	33.10	7.79	40.89	74.00	-33.11	V	peak
8004.000	32.61	9.65	42.26	74.00	-31.74	V	peak
9888.000	32.95	11.66	44.61	74.00	-29.39	V	peak
10680.000	31.99	14.09	46.08	74.00	-27.92	V	peak
11280.000	32.81	14.96	47.77	74.00	-26.23	V	peak
12636.000	31.05	16.75	47.80	74.00	-26.20	V	peak
8088.000	32.48	9.60	42.08	74.00	-31.92	H	Peak
8304.000	32.93	9.48	42.41	74.00	-31.59	H	Peak
10572.000	31.78	13.75	45.53	74.00	-28.47	H	Peak
10848.000	31.17	14.61	45.78	74.00	-28.22	H	peak
11172.000	32.31	15.00	47.31	74.00	-26.69	H	peak
13788.000	32.34	20.02	52.36	74.00	-21.64	H	peak
13788.000	30.35	20.02	50.37	54.00	-3.63	H	AVG

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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7656.000	32.89	8.98	41.87	74.00	-32.13	V	peak
8100.000	32.91	9.60	42.51	74.00	-31.49	V	peak
10032.000	32.18	12.08	44.26	74.00	-29.74	V	peak
11160.000	32.45	15.01	47.46	74.00	-26.54	V	peak
13068.000	30.20	18.13	48.33	74.00	-25.67	V	peak
14304.000	32.44	20.76	53.20	74.00	-20.80	V	peak
14304.000	29.37	20.76	50.13	54.00	-3.87	V	AVG
7752.000	32.83	9.17	42.00	74.00	-32.00	H	Peak
9360.000	32.64	10.14	42.78	74.00	-31.22	H	Peak
10356.000	31.15	13.08	44.23	74.00	-29.77	H	Peak
11376.000	32.37	14.91	47.28	74.00	-26.72	H	peak
12336.000	31.51	15.75	47.26	74.00	-26.74	H	peak
12720.000	30.91	17.02	47.93	74.00	-26.07	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7692.000	32.98	9.05	42.03	74.00	-31.97	V	peak
9936.000	32.25	11.80	44.05	74.00	-29.95	V	peak
10404.000	31.97	13.23	45.20	74.00	-28.80	V	peak
11136.000	32.31	15.02	47.33	74.00	-26.67	V	peak
11520.000	32.24	14.85	47.09	74.00	-26.91	V	peak
12636.000	31.49	16.75	48.24	74.00	-25.76	V	peak
7524.000	32.92	8.72	41.64	74.00	-32.36	H	Peak
9456.000	32.43	10.41	42.84	74.00	-31.16	H	Peak
10620.000	31.64	13.90	45.54	74.00	-28.46	H	Peak
11172.000	32.55	15.00	47.55	74.00	-26.45	H	peak
11568.000	32.87	14.83	47.70	74.00	-26.30	H	peak
12588.000	31.24	16.59	47.83	74.00	-26.17	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7980.000	33.01	9.61	42.62	74.00	-31.38	V	peak
9912.000	32.22	11.73	43.95	74.00	-30.05	V	peak
10716.000	31.69	14.20	45.89	74.00	-28.11	V	peak
11160.000	32.32	15.01	47.33	74.00	-26.67	V	peak
12564.000	31.69	16.51	48.20	74.00	-25.80	V	peak
13308.000	30.55	18.76	49.31	74.00	-24.69	V	peak
7704.000	33.49	9.07	42.56	74.00	-31.44	H	Peak
8148.000	33.13	9.57	42.70	74.00	-31.30	H	Peak
10740.000	32.01	14.27	46.28	74.00	-27.72	H	peak
11364.000	32.13	14.92	47.05	74.00	-26.95	H	peak
11940.000	32.25	14.67	46.92	74.00	-27.08	H	peak
13872.000	31.82	20.24	52.06	74.00	-21.94	H	peak
13872.000	29.01	20.24	49.25	54.00	-4.75	H	AVG

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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6528.000	33.80	6.94	40.74	74.00	-33.26	V	peak
7596.000	33.51	8.86	42.37	74.00	-31.63	V	peak
8052.000	32.83	9.62	42.45	74.00	-31.55	V	peak
10752.000	31.69	14.31	46.00	74.00	-28.00	V	peak
11136.000	32.30	15.02	47.32	74.00	-26.68	V	peak
12600.000	31.37	16.63	48.00	74.00	-26.00	V	peak
7896.000	33.32	9.45	42.77	74.00	-31.23	H	Peak
8532.000	32.71	9.36	42.07	74.00	-31.93	H	Peak
10284.000	31.89	12.86	44.75	74.00	-29.25	H	Peak
11148.000	32.31	15.01	47.32	74.00	-26.68	H	peak
11400.000	32.16	14.90	47.06	74.00	-26.94	H	peak
13068.000	31.08	18.13	49.21	74.00	-24.79	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7272.000	32.76	8.23	40.99	74.00	-33.01	V	peak
7980.000	32.66	9.61	42.27	74.00	-31.73	V	peak
10584.000	31.82	13.79	45.61	74.00	-28.39	V	peak
11148.000	32.39	15.01	47.40	74.00	-26.60	V	peak
11328.000	32.67	14.94	47.61	74.00	-26.39	V	peak
13008.000	30.72	17.97	48.69	74.00	-25.31	V	peak
8124.000	32.91	9.58	42.49	74.00	-31.51	H	Peak
9048.000	33.19	9.24	42.43	74.00	-31.57	H	Peak
10272.000	31.84	12.82	44.66	74.00	-29.34	H	Peak
10596.000	32.19	13.83	46.02	74.00	-27.98	H	peak
11172.000	32.56	15.00	47.56	74.00	-26.44	H	peak
12420.000	31.82	16.03	47.85	74.00	-26.15	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7752.000	32.86	9.17	42.03	74.00	-31.97	V	peak
8280.000	32.93	9.50	42.43	74.00	-31.57	V	peak
9816.000	32.38	11.45	43.83	74.00	-30.17	V	peak
10020.000	32.22	12.04	44.26	74.00	-29.74	V	peak
11172.000	32.27	15.00	47.27	74.00	-26.73	V	peak
13152.000	30.60	18.35	48.95	74.00	-25.05	V	peak
7416.000	32.77	8.51	41.28	74.00	-32.72	H	Peak
8184.000	32.66	9.55	42.21	74.00	-31.79	H	Peak
9936.000	32.32	11.80	44.12	74.00	-29.88	H	Peak
10548.000	32.10	13.68	45.78	74.00	-28.22	H	peak
11136.000	32.58	15.02	47.60	74.00	-26.40	H	peak
12624.000	31.16	16.71	47.87	74.00	-26.13	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).*

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7044.000	32.86	7.79	40.65	74.00	-33.35	V	peak
8004.000	32.70	9.65	42.35	74.00	-31.65	V	peak
8400.000	33.52	9.43	42.95	74.00	-31.05	V	peak
10644.000	31.97	13.98	45.95	74.00	-28.05	V	peak
11388.000	32.44	14.91	47.35	74.00	-26.65	V	peak
13260.000	30.40	18.63	49.03	74.00	-24.97	V	peak
7128.000	33.25	7.95	41.20	74.00	-32.80	H	Peak
7884.000	33.02	9.42	42.44	74.00	-31.56	H	Peak
8328.000	32.86	9.47	42.33	74.00	-31.67	H	Peak
9936.000	32.44	11.80	44.24	74.00	-29.76	H	peak
11136.000	32.04	15.02	47.06	74.00	-26.94	H	peak
13224.000	30.13	18.54	48.67	74.00	-25.33	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).*

Antenna 0 + Antenna 1 + Antenna 2

Test Mode: TX / IEEE 802.11n HT 20 MHz / 5180MHz /(CH Low) **Tested by:** Darry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6588.000	33.60	7.03	40.63	74.00	-33.37	V	peak
7908.000	32.68	9.47	42.15	74.00	-31.85	V	peak
8436.000	32.86	9.41	42.27	74.00	-31.73	V	peak
10356.000	34.27	13.08	47.35	74.00	-26.65	V	peak
11148.000	32.09	15.01	47.10	74.00	-26.90	V	peak
12420.000	31.39	16.03	47.42	74.00	-26.58	V	peak
7500.000	32.99	8.68	41.67	74.00	-32.33	H	Peak
7968.000	32.78	9.59	42.37	74.00	-31.63	H	Peak
11136.000	32.19	15.02	47.21	74.00	-26.79	H	Peak
11376.000	32.20	14.91	47.11	74.00	-26.89	H	peak
12492.000	31.60	16.27	47.87	74.00	-26.13	H	peak
13272.000	30.15	18.67	48.82	74.00	-25.18	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 s*
5. *hown " --- " 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.*
6. *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.*
7. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11n HT 20 MHz / 5200MHz /(CH Mid) **Tested by:** Darry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 18, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6936.000	33.28	7.60	40.88	74.00	-33.12	V	peak
7224.000	32.78	8.14	40.92	74.00	-33.08	V	peak
8136.000	32.59	9.58	42.17	74.00	-31.83	V	peak
10404.000	34.64	13.23	47.87	74.00	-26.13	V	peak
11184.000	32.17	15.00	47.17	74.00	-26.83	V	peak
13008.000	30.73	17.97	48.70	74.00	-25.30	V	peak
7692.000	32.72	9.05	41.77	74.00	-32.23	H	Peak
8280.000	33.27	9.50	42.77	74.00	-31.23	H	Peak
10068.000	32.08	12.19	44.27	74.00	-29.73	H	Peak
10668.000	31.97	14.05	46.02	74.00	-27.98	H	peak
11148.000	32.31	15.01	47.32	74.00	-26.68	H	peak
13212.000	30.23	18.51	48.74	74.00	-25.26	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).*