

**Test mode: IEEE 802.11ac 80 mode / 5210MHz**

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Margain	Result
	5210	1.384	17	-15.616	PASS

Test mode: IEEE 802.11ac 80 mode / 5290MHz

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Margain	Result
	5290	1.680	11	-9.320	PASS

Test mode: IEEE 802.11ac 80 mode / 5530MHz

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Margain	Result
	5530	2.078	11	-8.922	PASS

Test mode: IEEE 802.11ac 80 mode / 5775MHz

Channel	Frequency (MHz)	PPSD (dBm)	factor	Limit (dBm)	Margain	Result
	5755	2.295	-3.01	30	-30.715	PASS

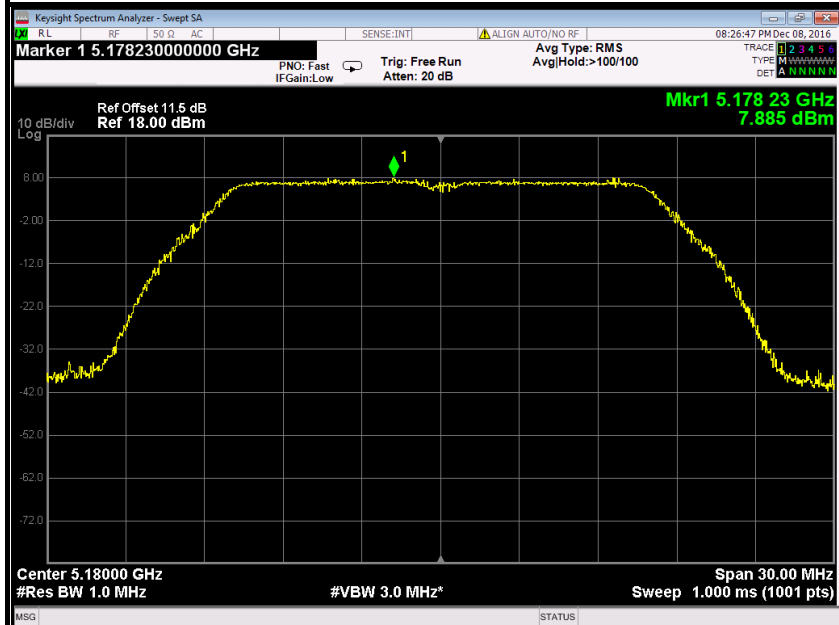
Remark: factor =10*lg(500/RBW)



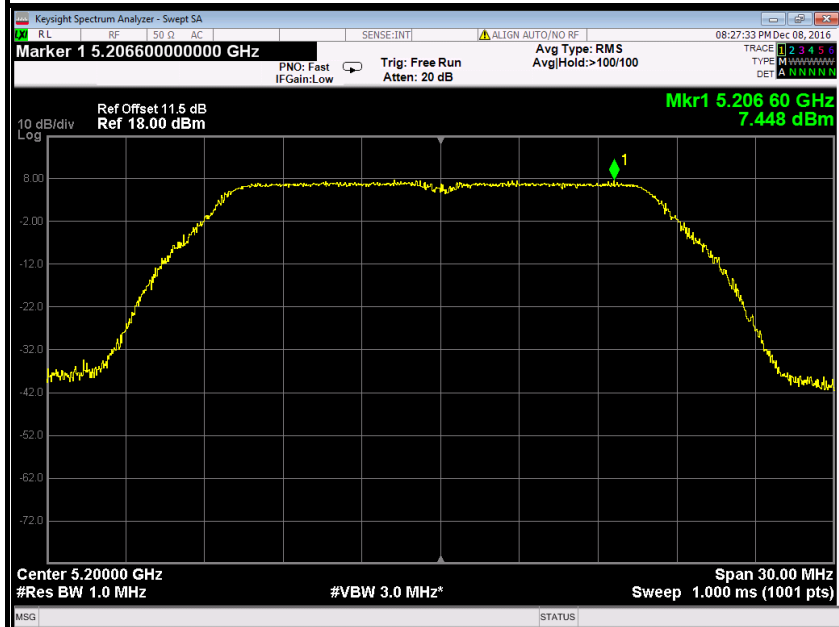
Test Plot

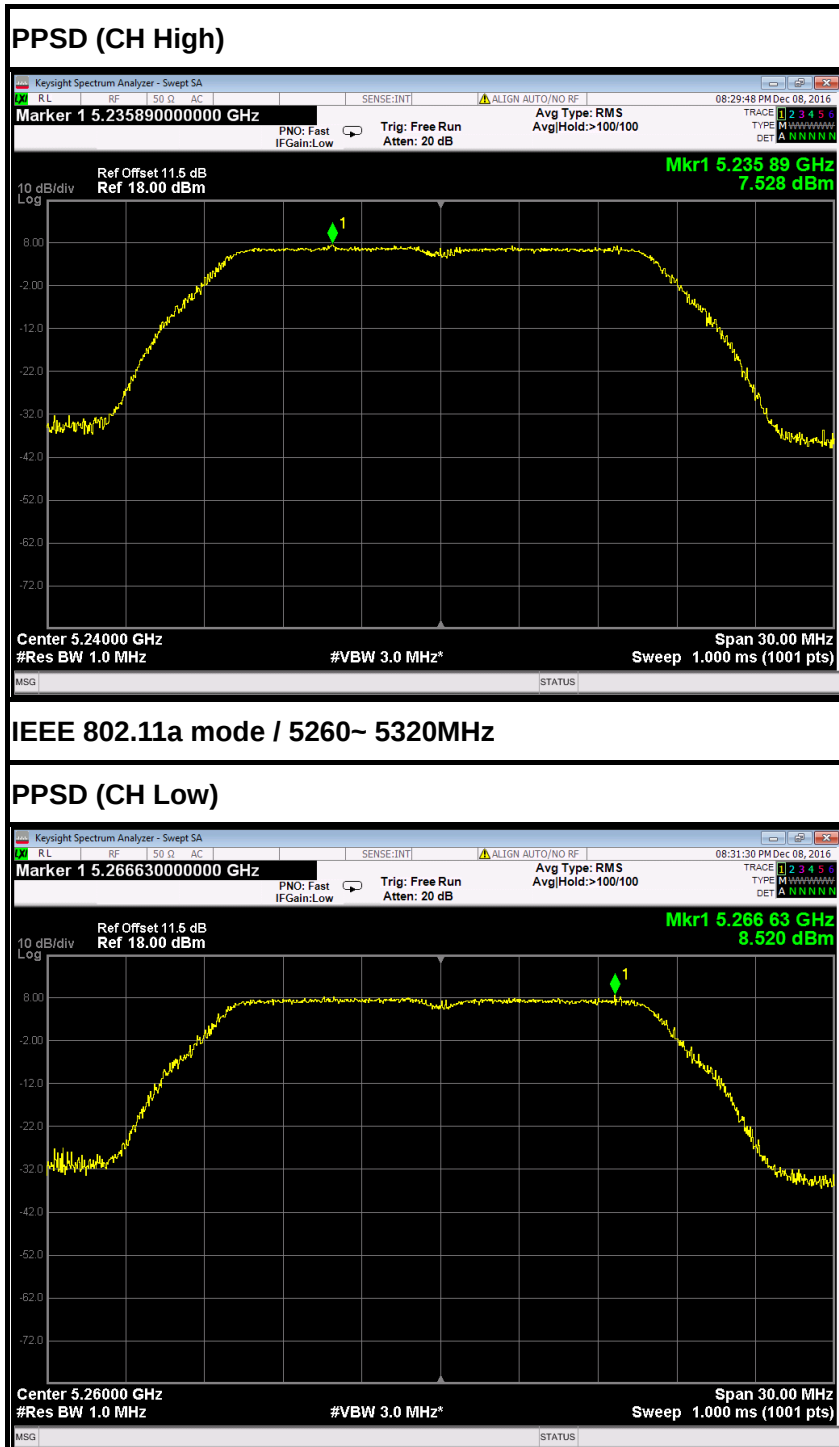
IEEE 802.11a mode / 5180 ~ 5240MHz

PPSD (CH Low)



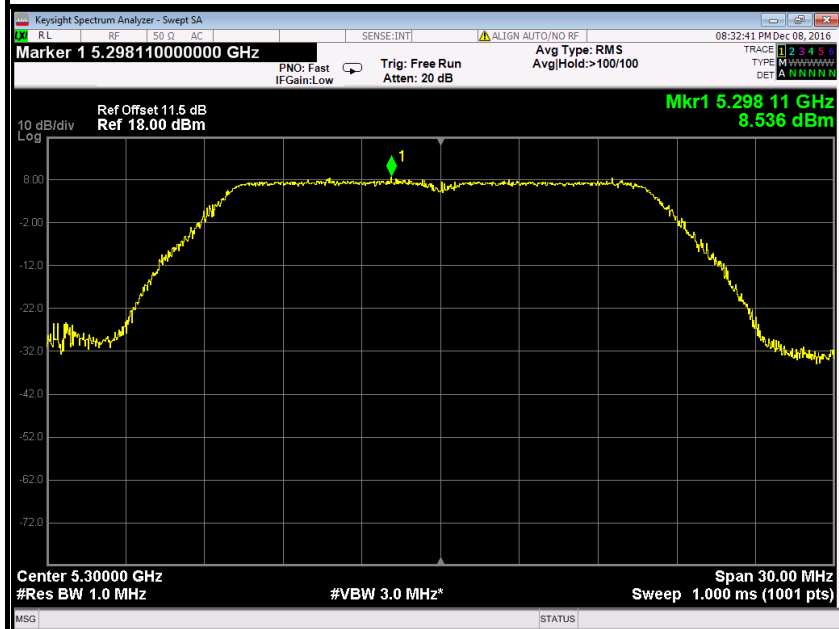
PPSD (CH Mid)



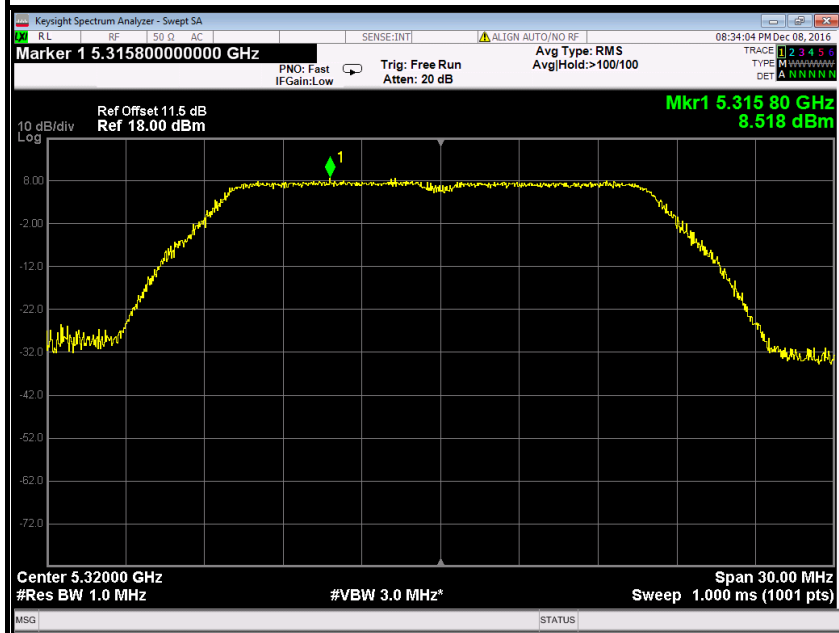




PPSD (CH Mid)



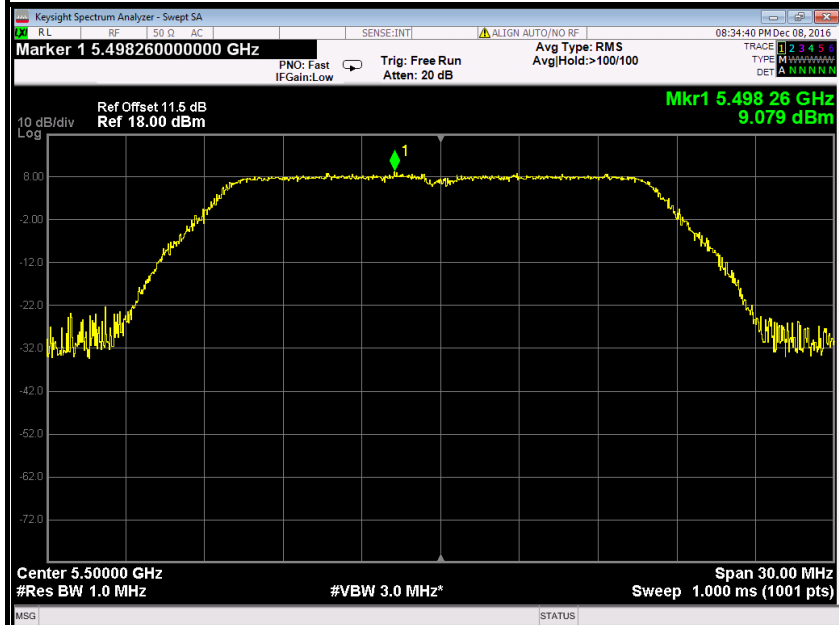
PPSD (CH High)



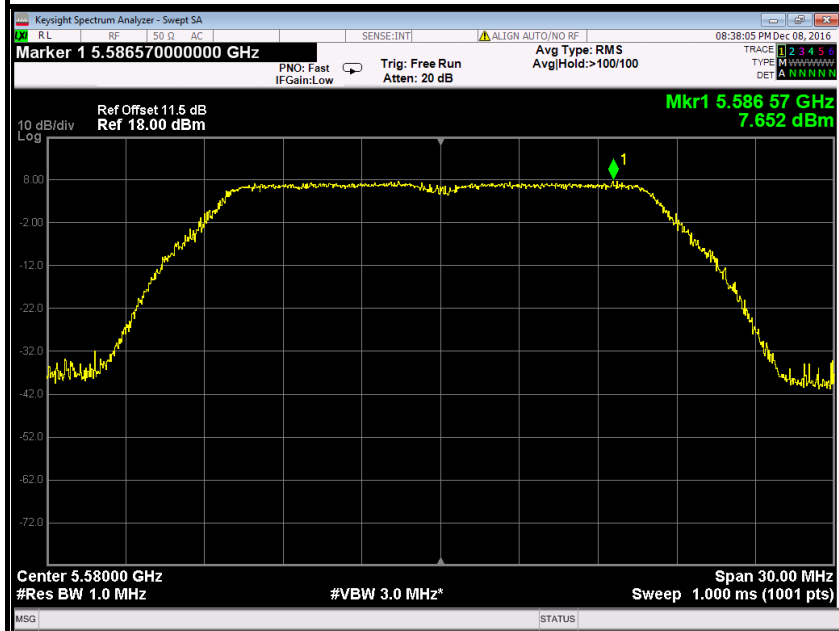


IEEE 802.11a mode / 5500 ~ 5700MHz

PPSD (CH Low)

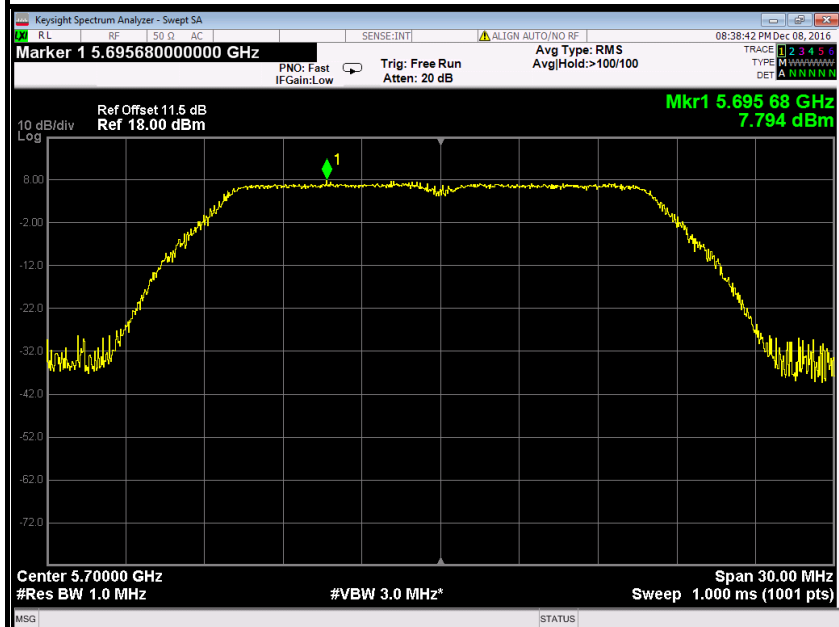


PPSD (CH Mid)



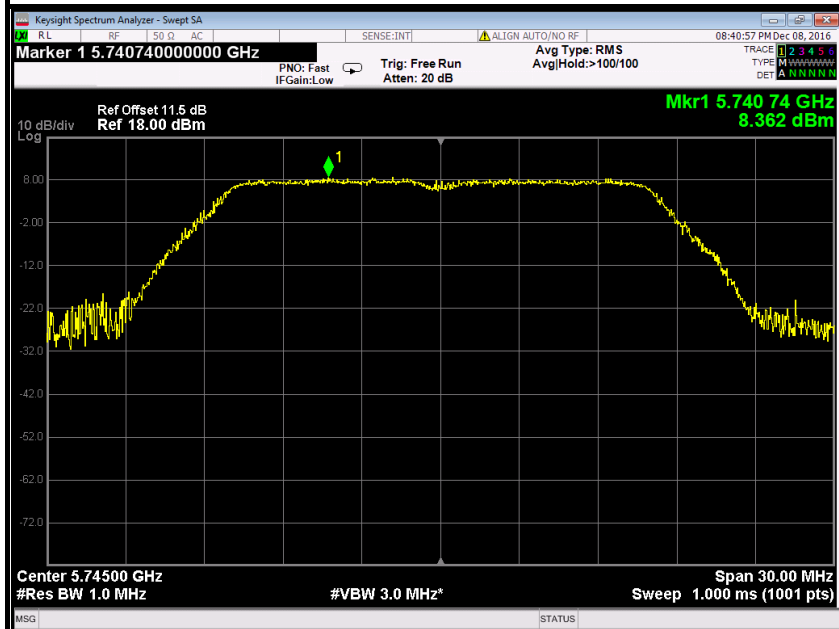


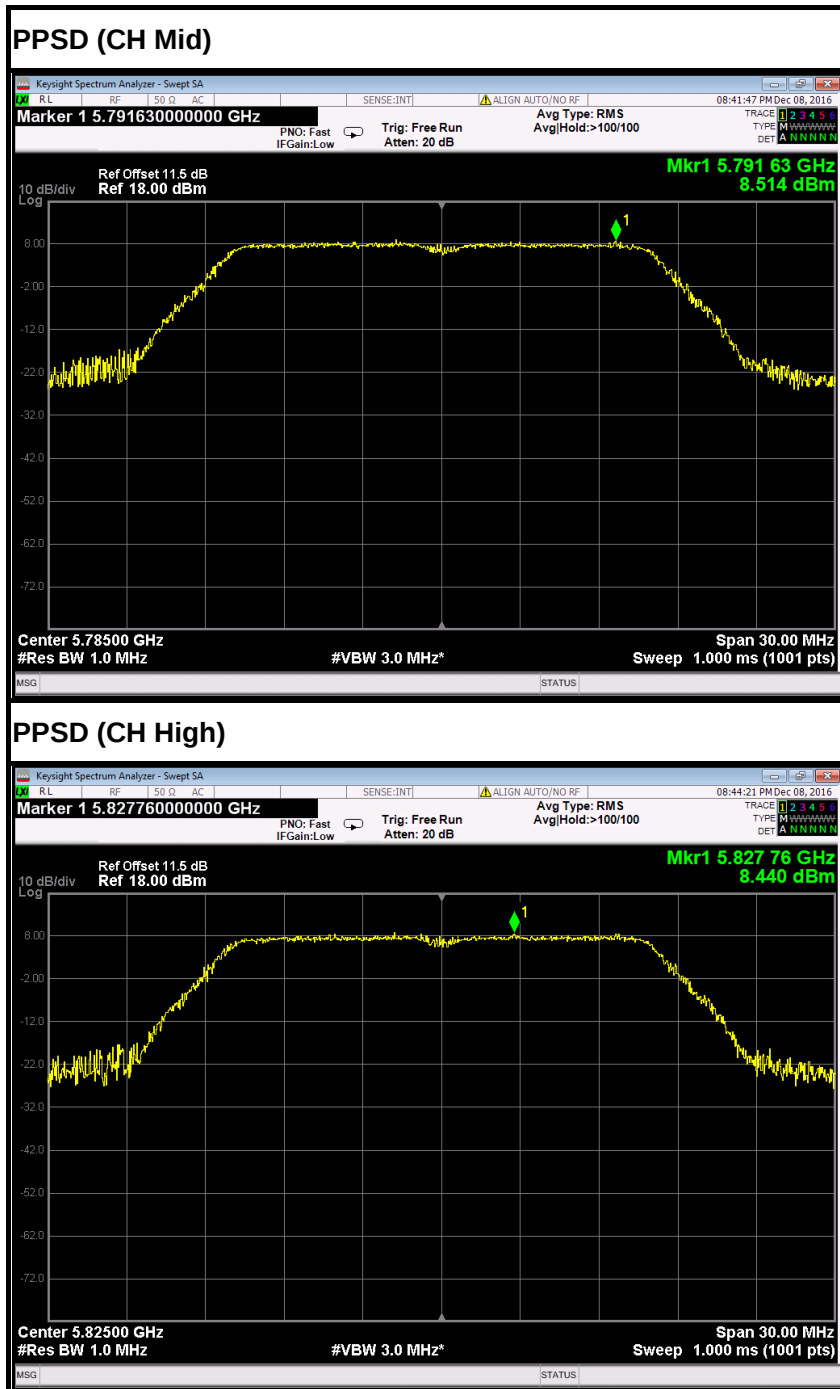
PPSD (CH High)



IEEE 802.11a mode / 5745 ~ 5825MHz

PPSD (CH Low)

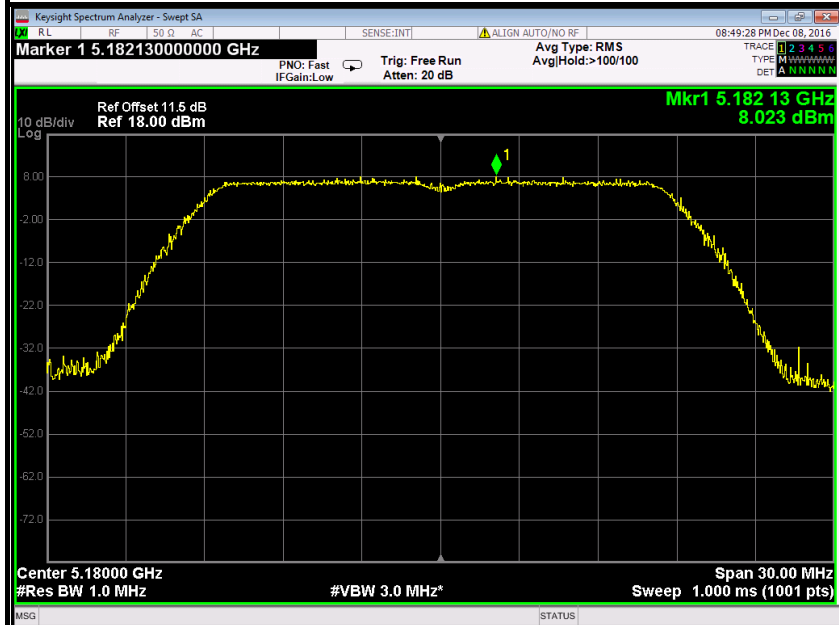




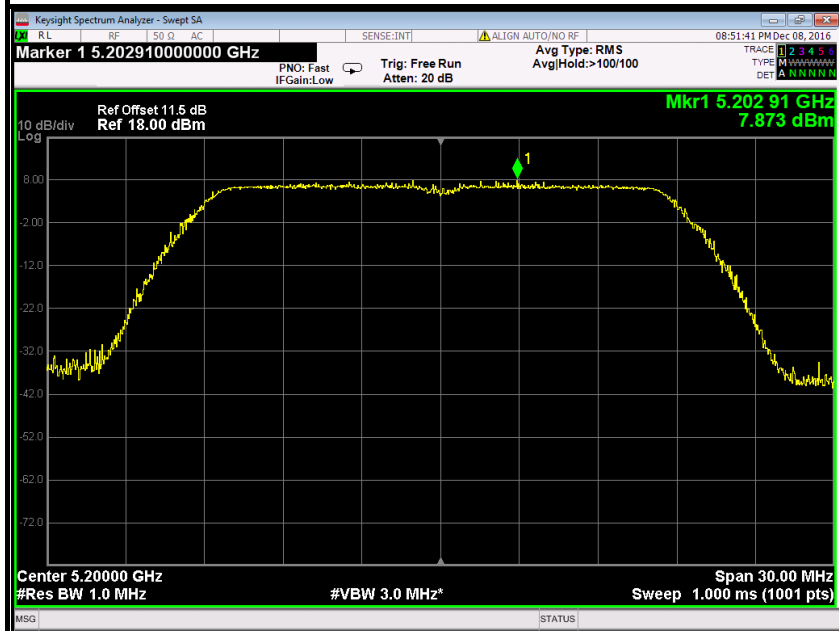


IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz

PPSD (CH Low)

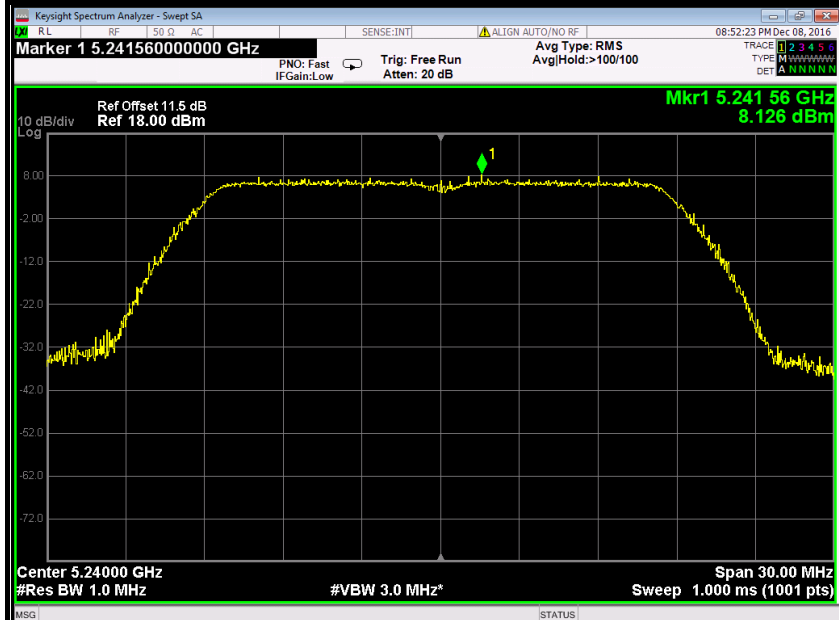


PPSD (CH Mid)



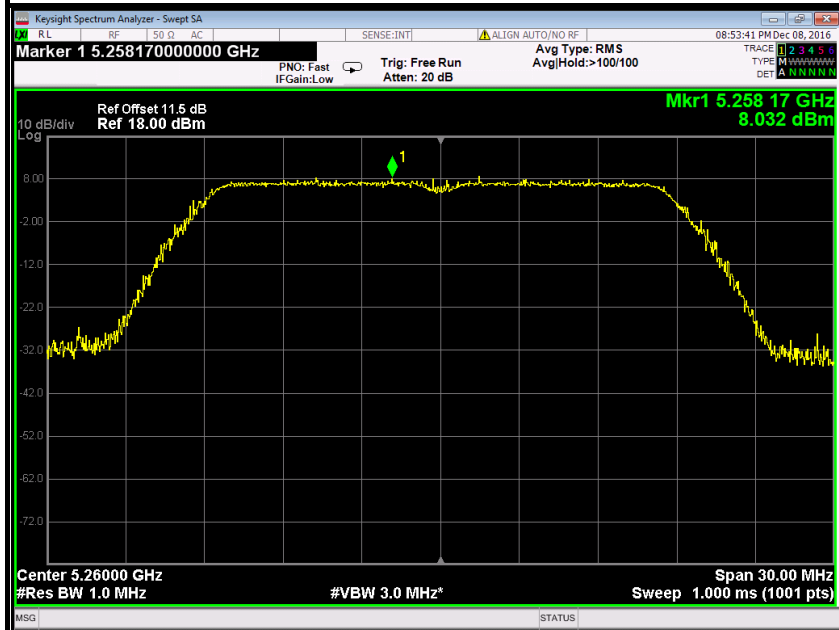


PPSD (CH High)



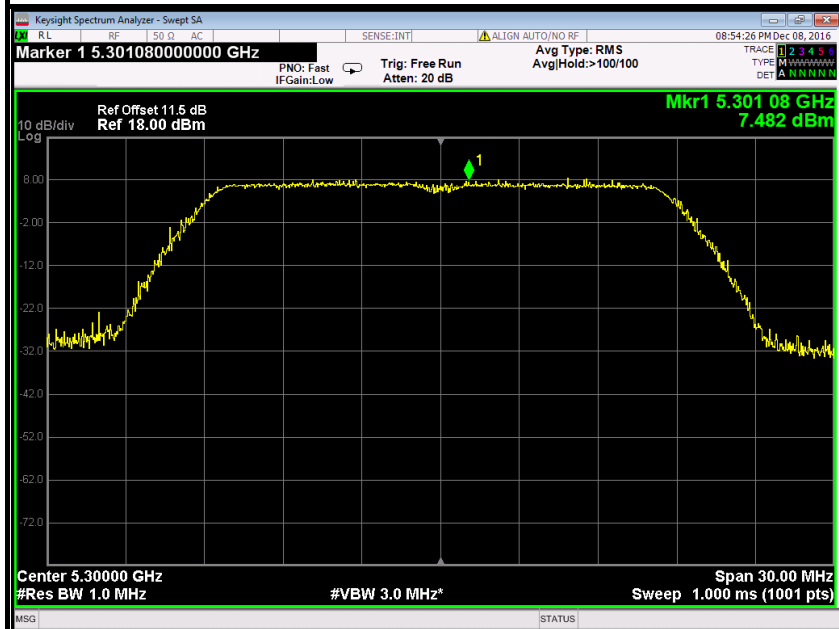
IEEE 802.11n HT 20 MHz mode / 5260~ 5320MHz

PPSD (CH Low)

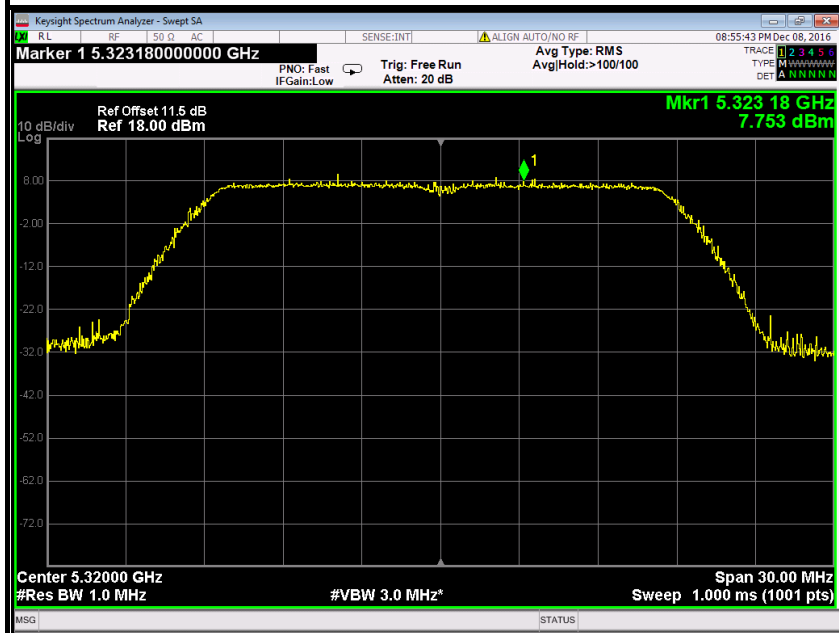




PPSD (CH Mid)



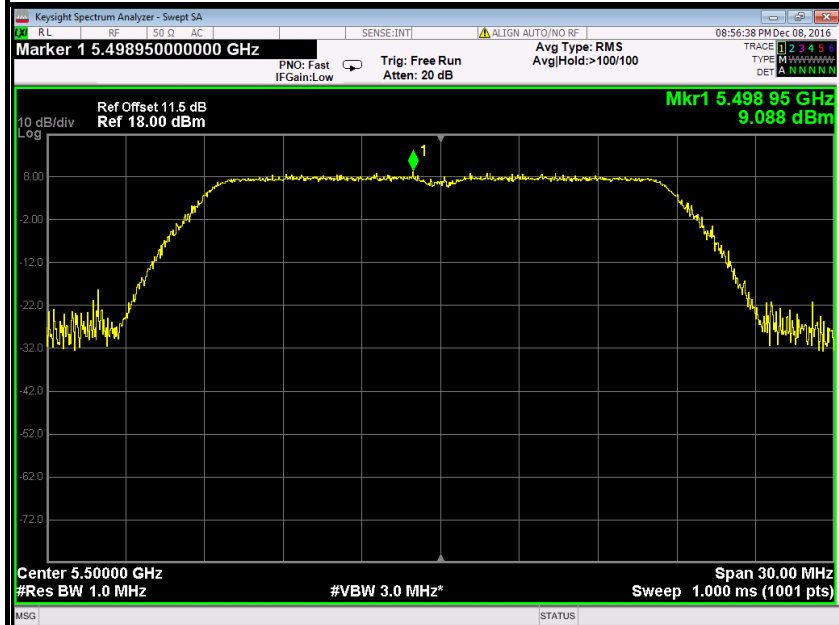
PPSD (CH High)



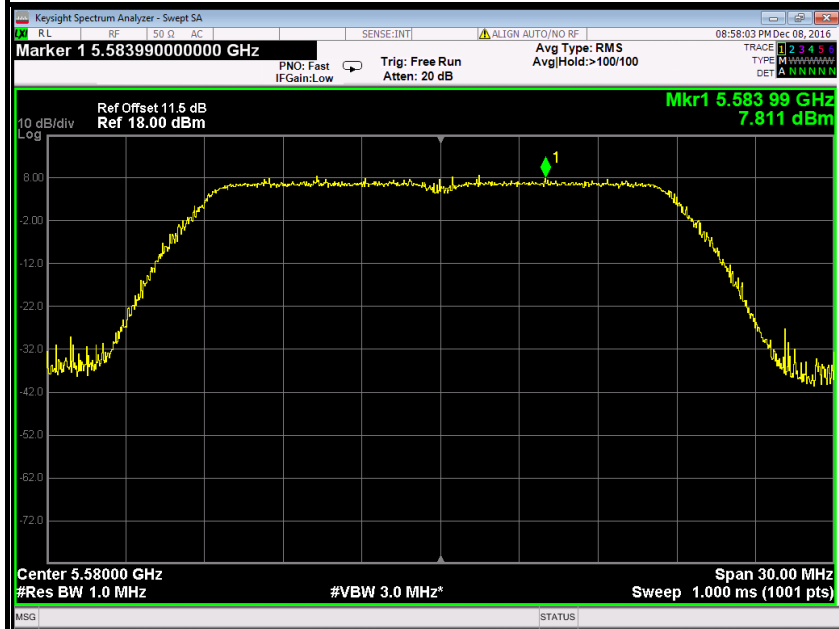


IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz

PPSD (CH Low)

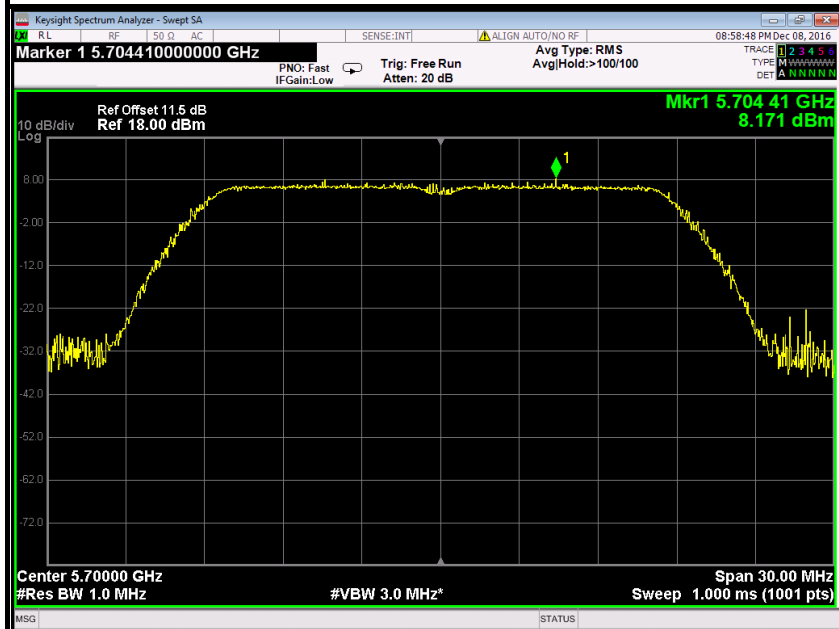


PPSD (CH Mid)



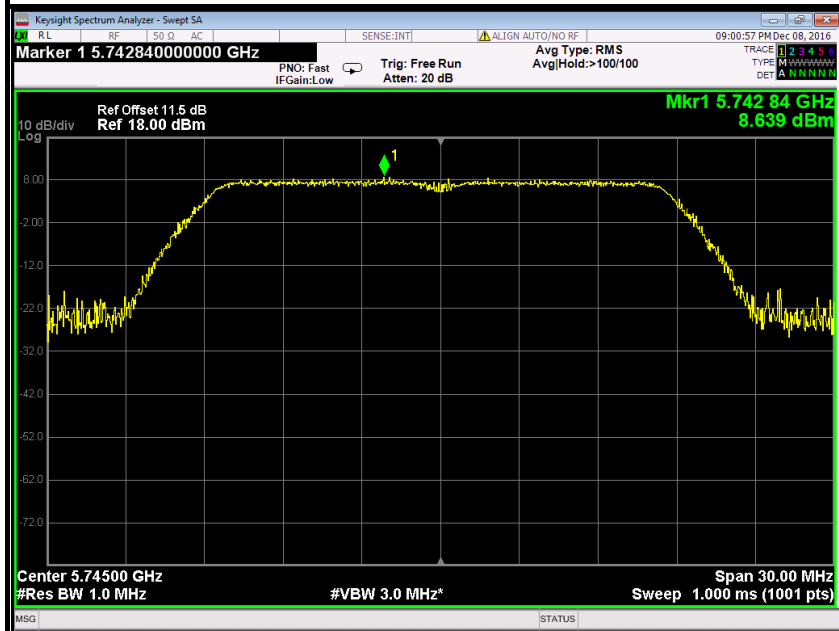


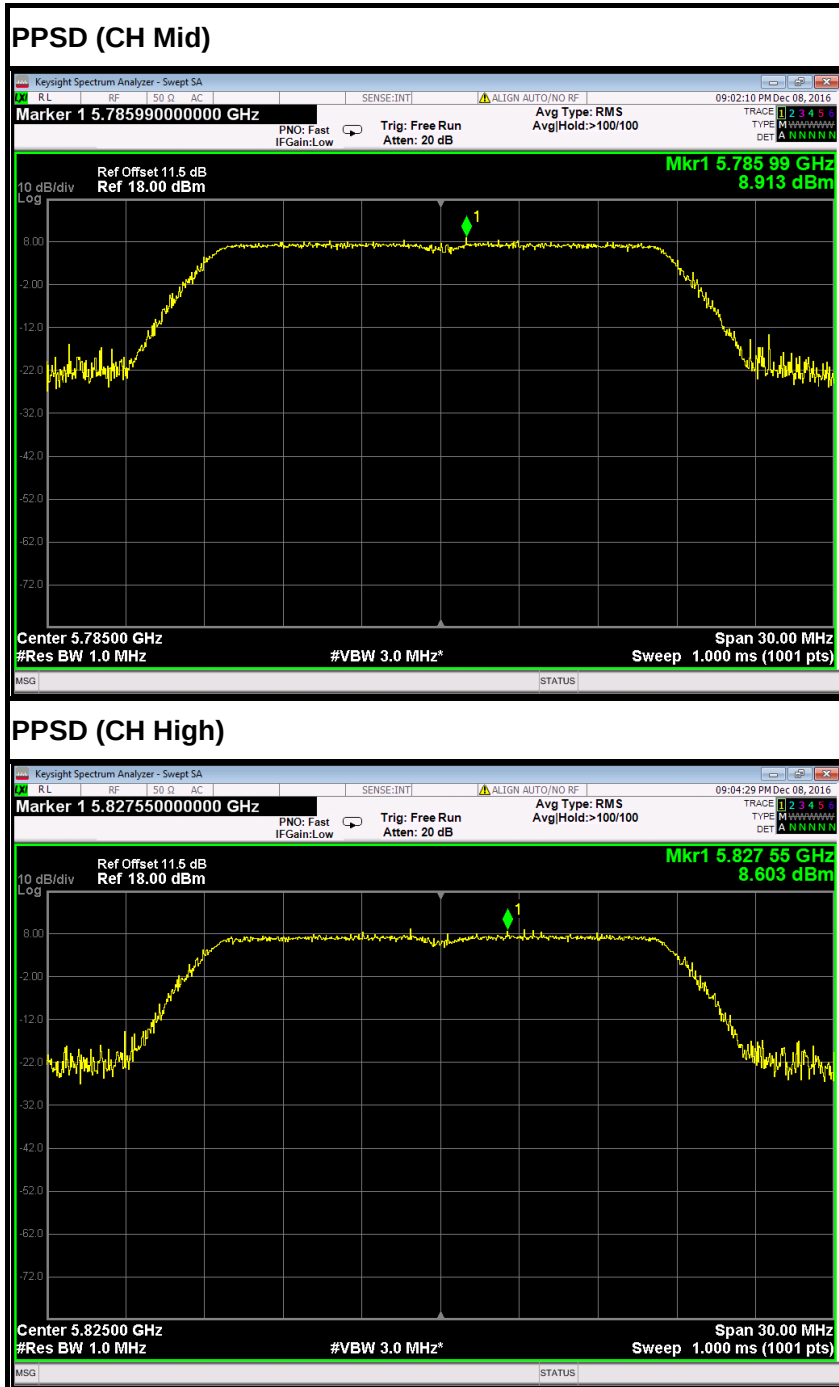
PPSD (CH High)



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

PPSD (CH Low)

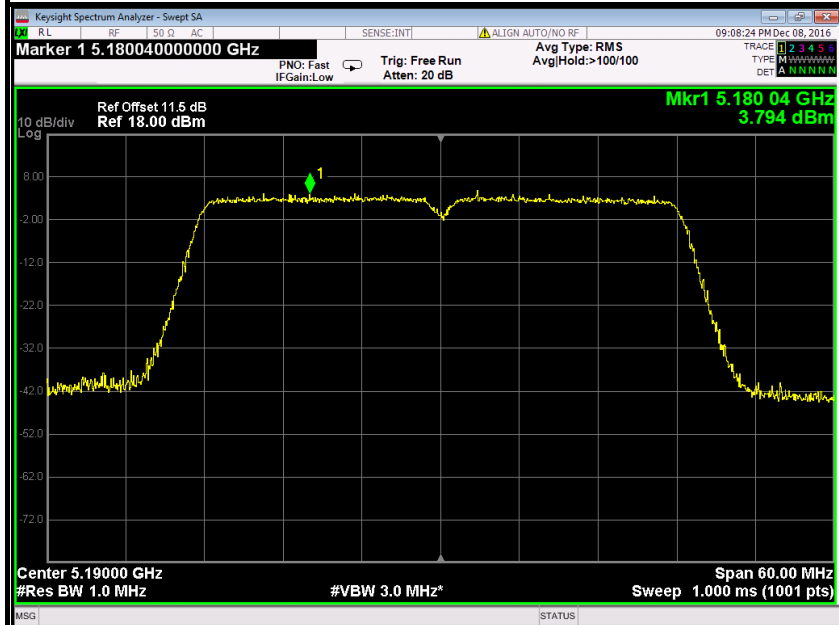




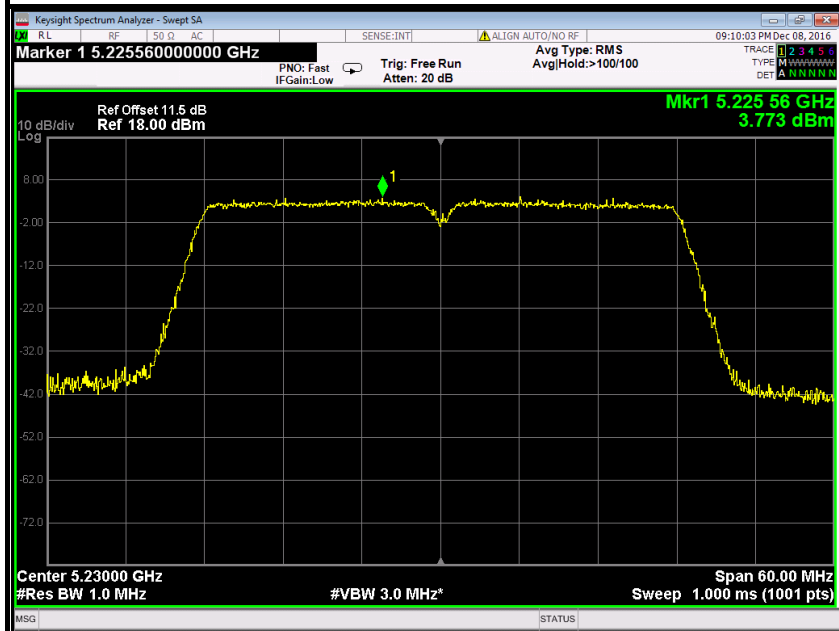


IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz

PPSD (CH Low)



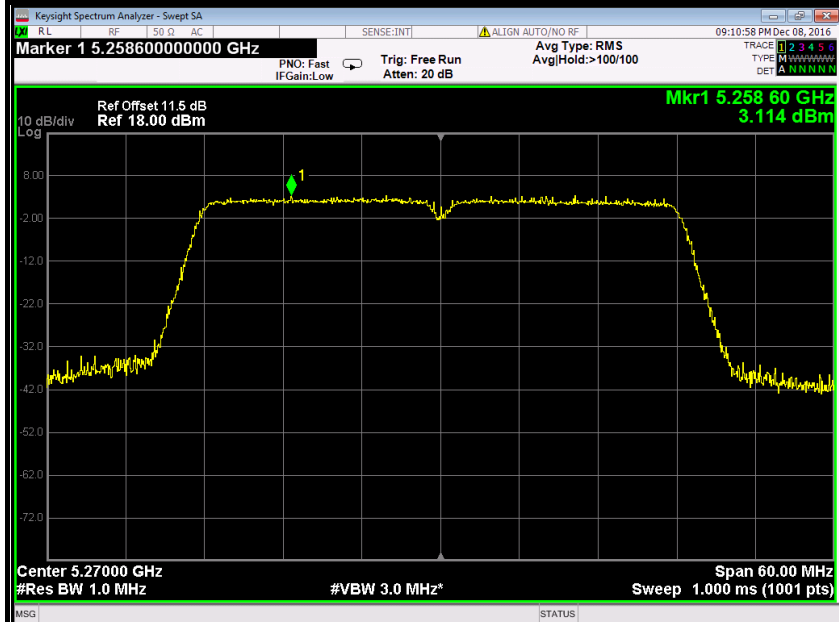
PPSD (CH High)



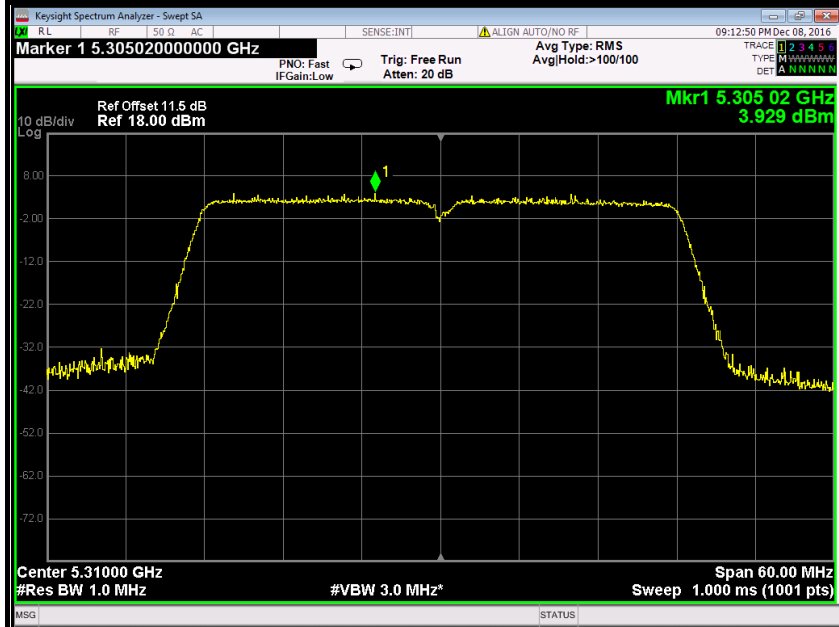


IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz

PPSD (CH Low)



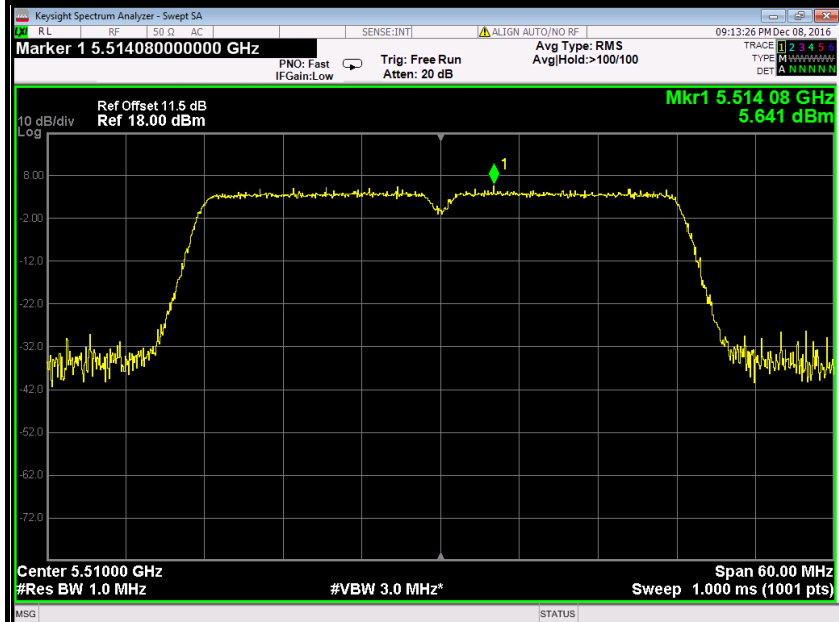
PPSD (CH High)



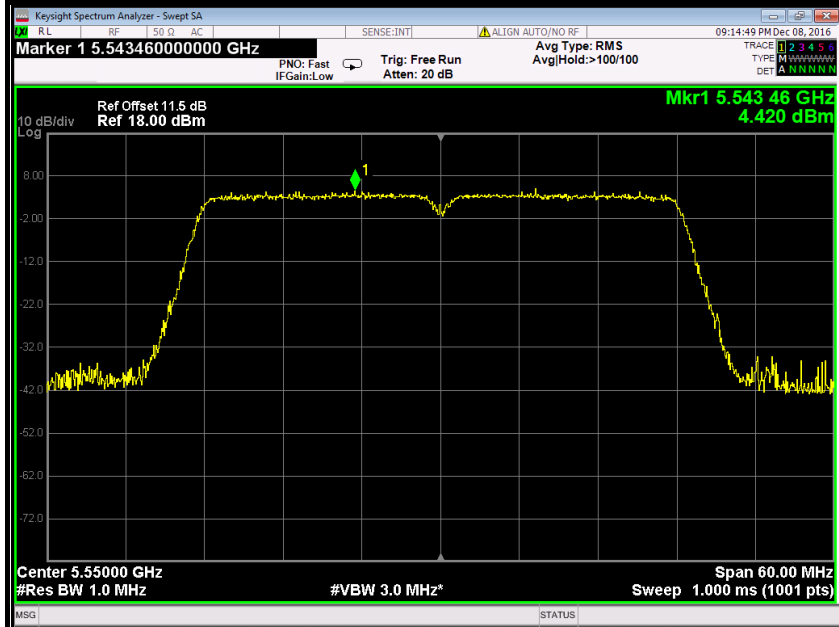


IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz

PPSD (CH Low)

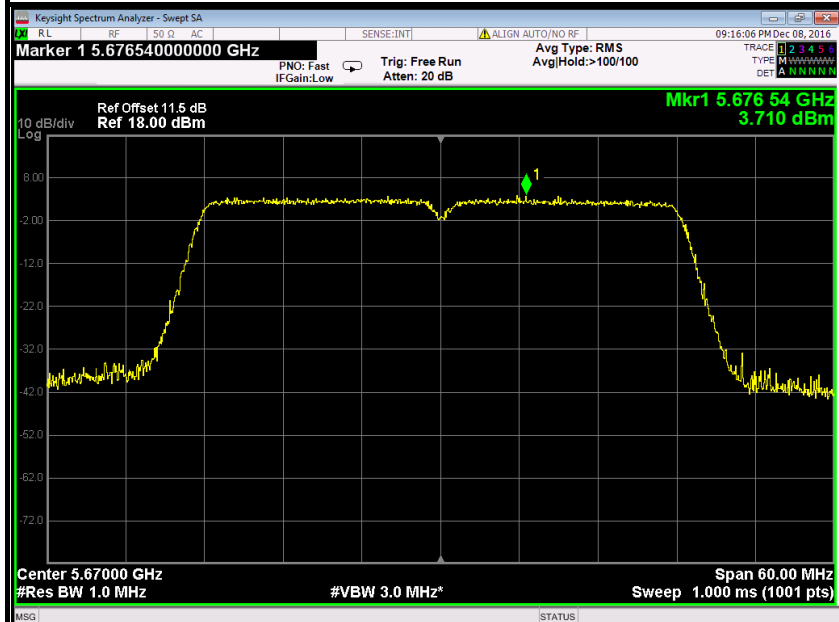


PPSD (CH Mid)



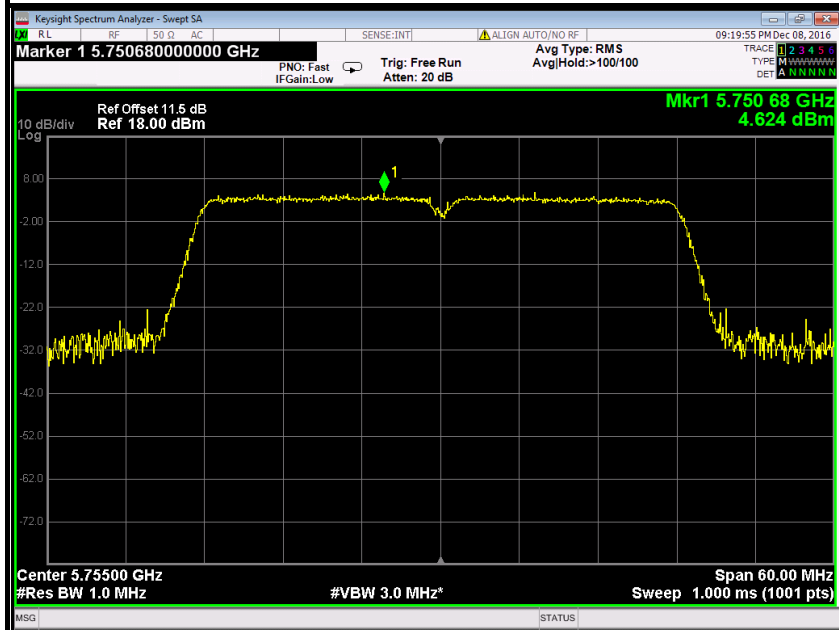


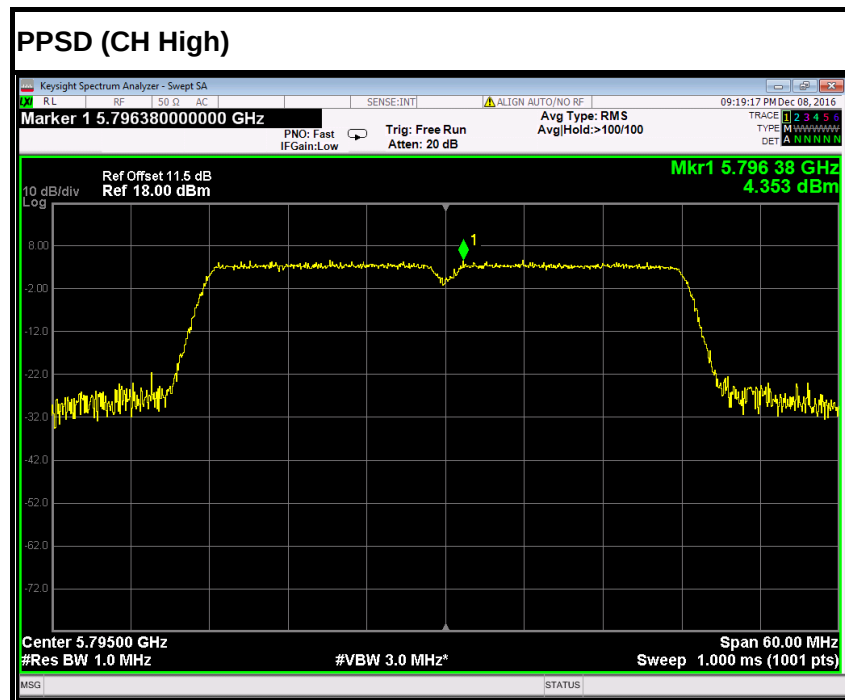
PPSD (CH High)



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

PPSD (CH Low)

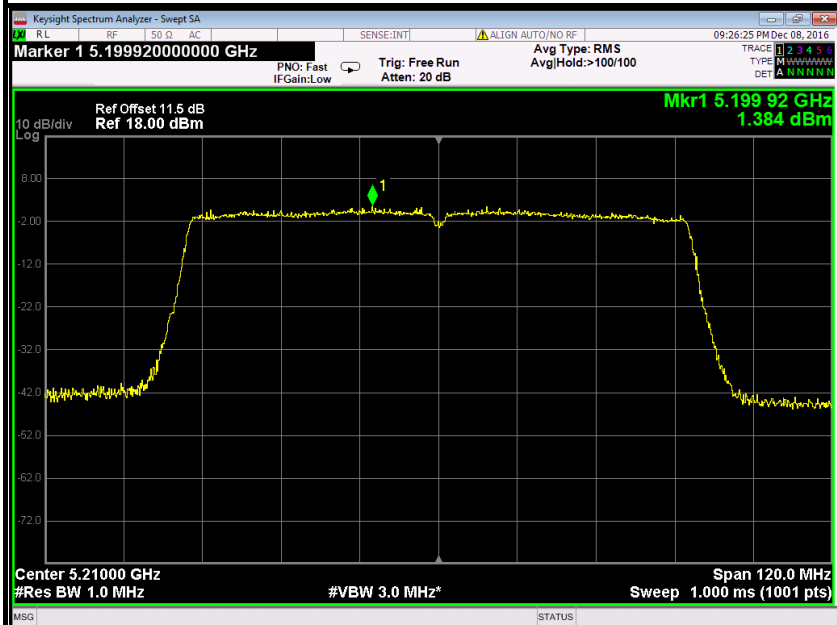






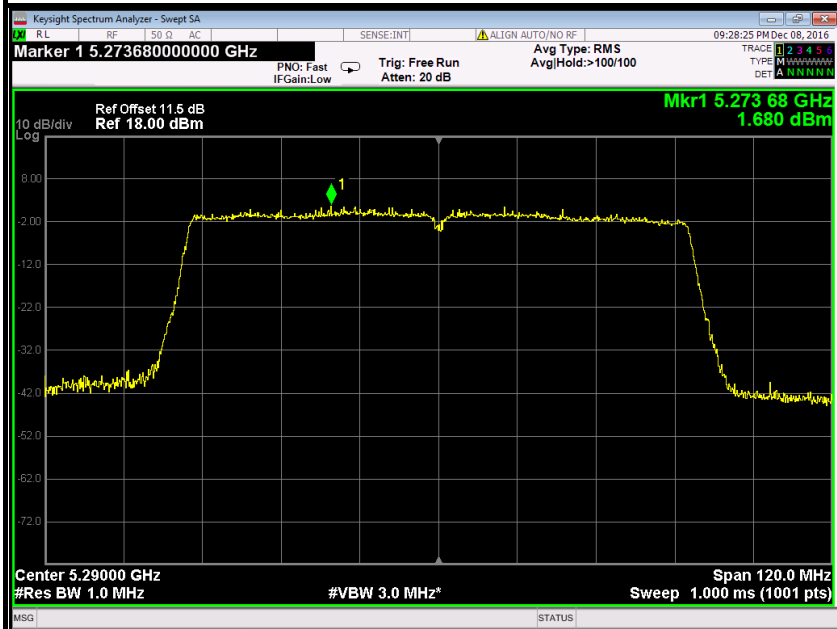
IEEE 802.11ac 80 mode / 5210MHz

PPSD



IEEE 802.11ac 80 mode / 5290MHz

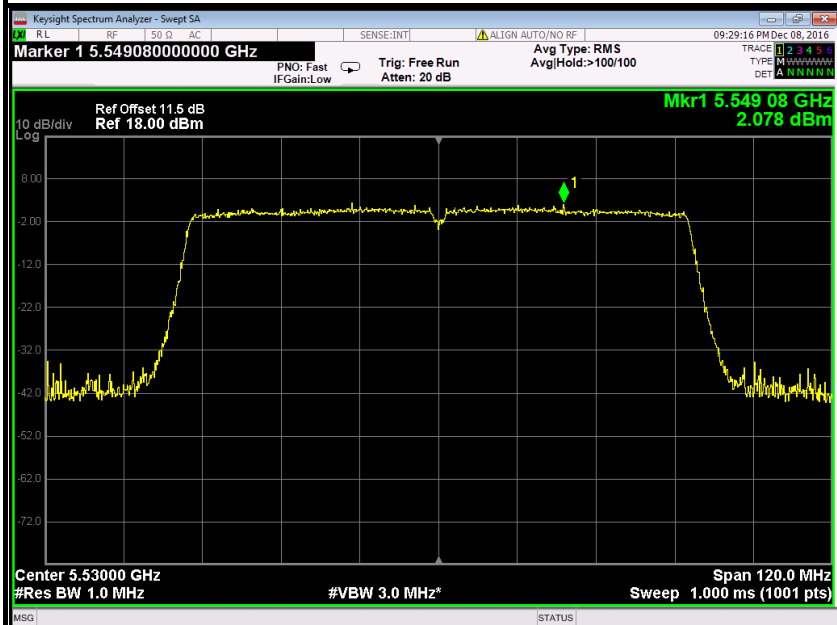
PPSD





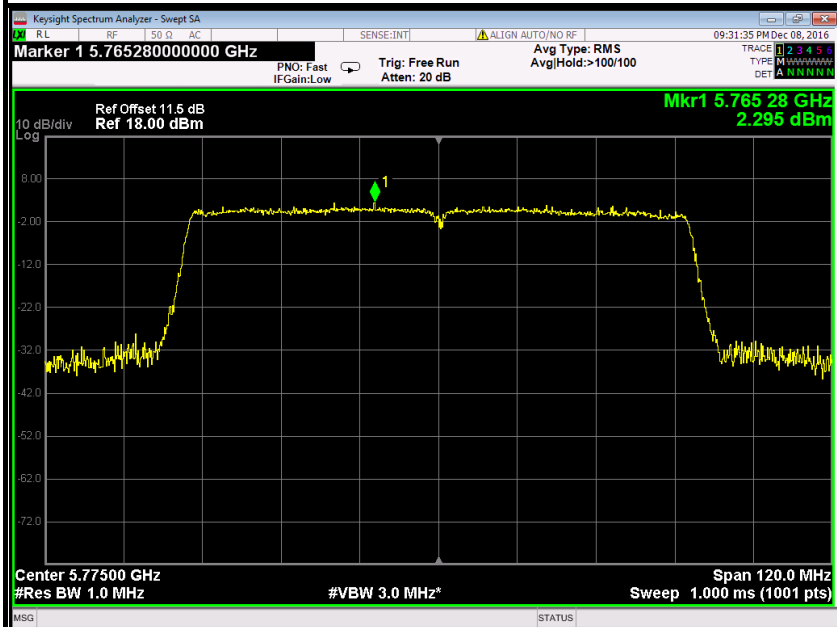
IEEE 802.11ac 80 mode / 5530MHz

PPSD



IEEE 802.11ac 80 mode / 5775MHz

PPSD





6.7 RADIATED UNDESIRABLE 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

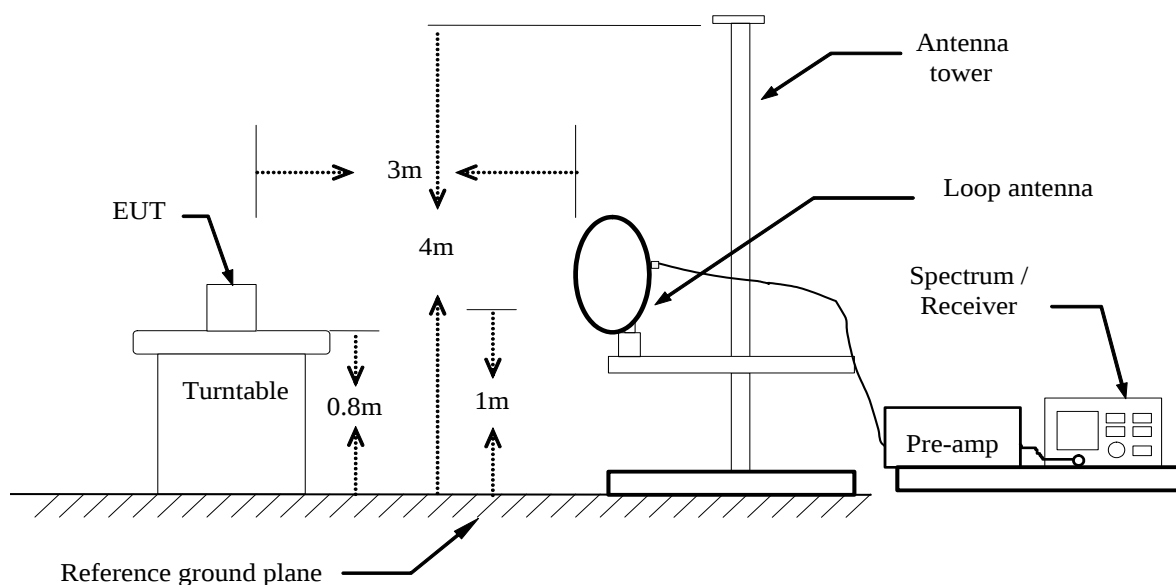


6.7.2 TEST INSTRUMENTS

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	02/21/2016	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	09/25/2016	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	02/21/2016	02/20/2017
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R
Test S/W	FARAD	LZ-RF / CCS-SZ-3A2			

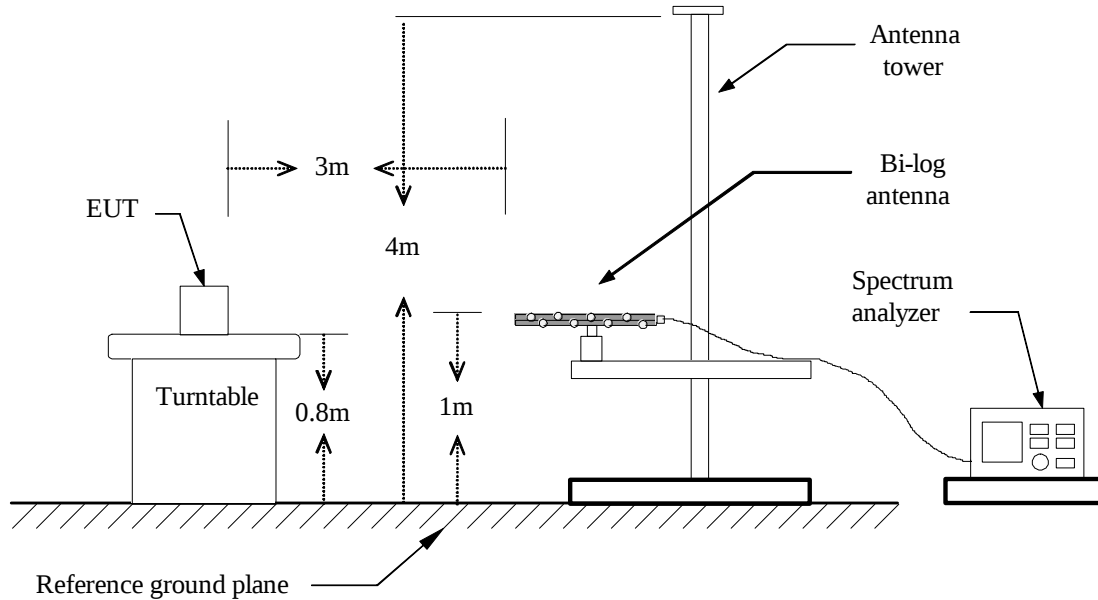
6.7.3 TEST CONFIGURATION

Below 30MHz

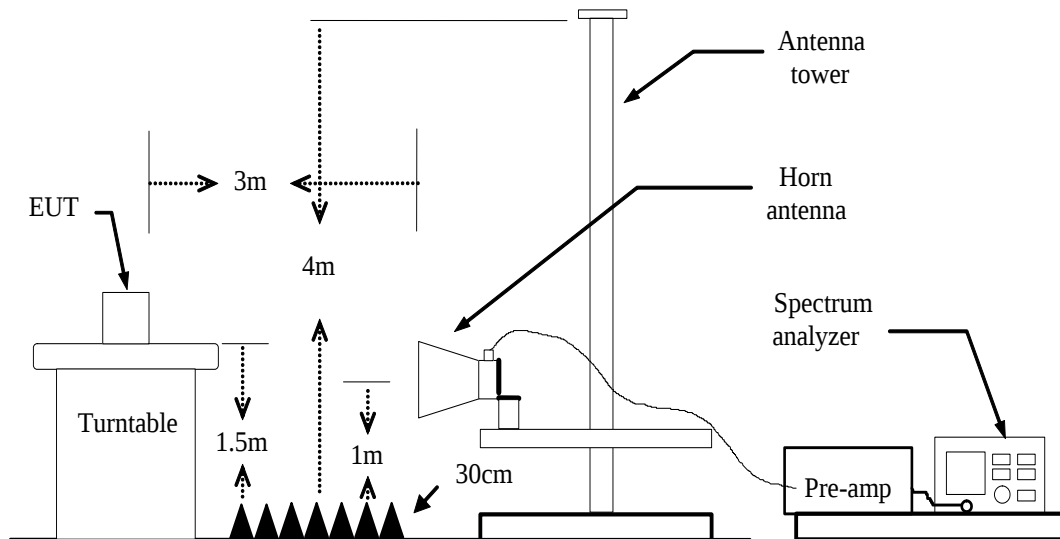




Below 1 GHz



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

6.7.5 TEST 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 ($\pm 45^\circ$) 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 ($\pm 45^\circ$) 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 SAMPLE****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**Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 7, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
303.5400	54.13	-19.43	34.70	46.00	-11.30	V	QP
375.3200	51.45	-16.82	34.63	46.00	-11.37	V	QP
490.7500	49.04	-14.36	34.68	46.00	-11.32	V	QP
533.4300	45.26	-13.68	31.58	46.00	-14.42	V	QP
586.7800	40.78	-13.06	27.72	46.00	-18.28	V	QP
796.3000	42.25	-11.14	31.11	46.00	-14.89	V	QP
310.3300	47.33	-19.17	28.16	46.00	-17.84	H	QP
375.3200	50.57	-16.82	33.75	46.00	-12.25	H	QP
506.2700	53.57	-14.28	39.29	46.00	-6.71	H	QP
533.4300	47.08	-13.68	33.40	46.00	-12.60	H	QP
603.2700	48.71	-12.78	35.93	46.00	-10.07	H	QP
874.8700	37.74	-10.14	27.60	46.00	-18.40	H	QP

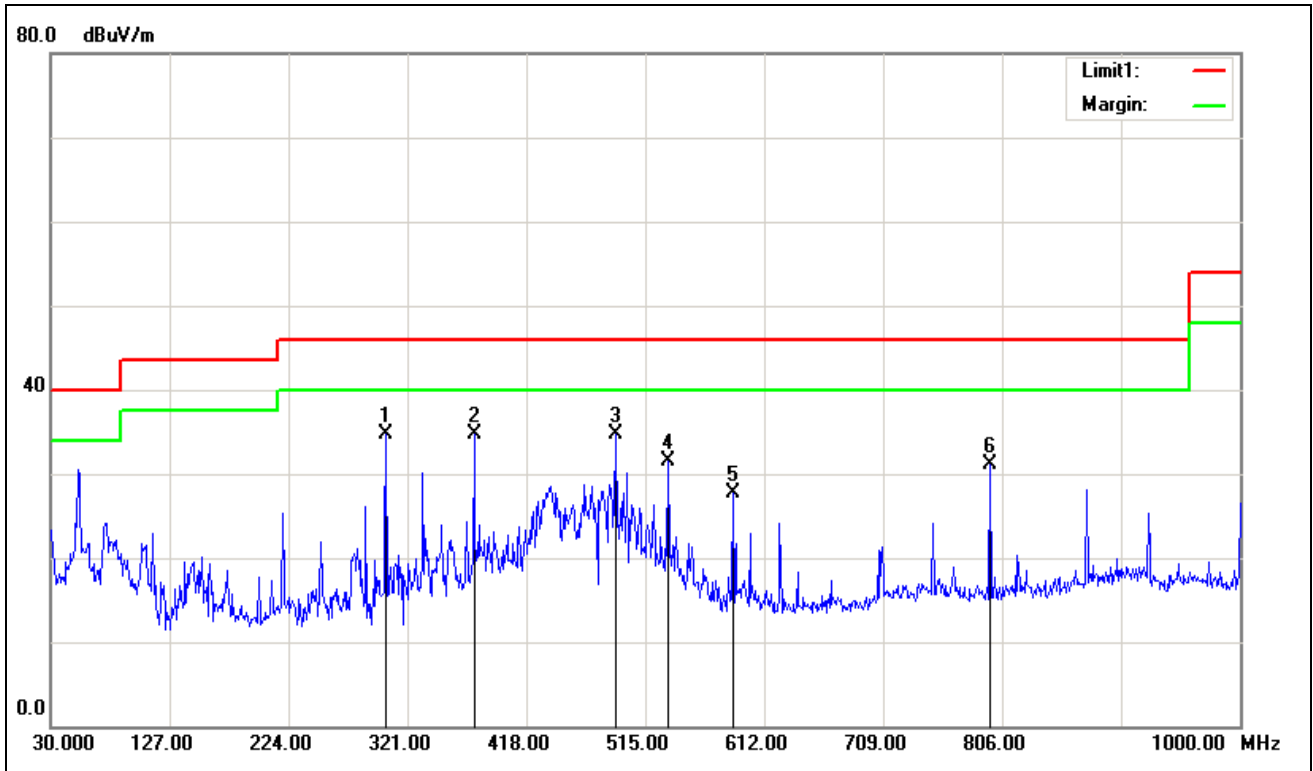
Pre-scan all mode and recorded the worst case results in this report (802.11a (Low Mid)).

Remark:

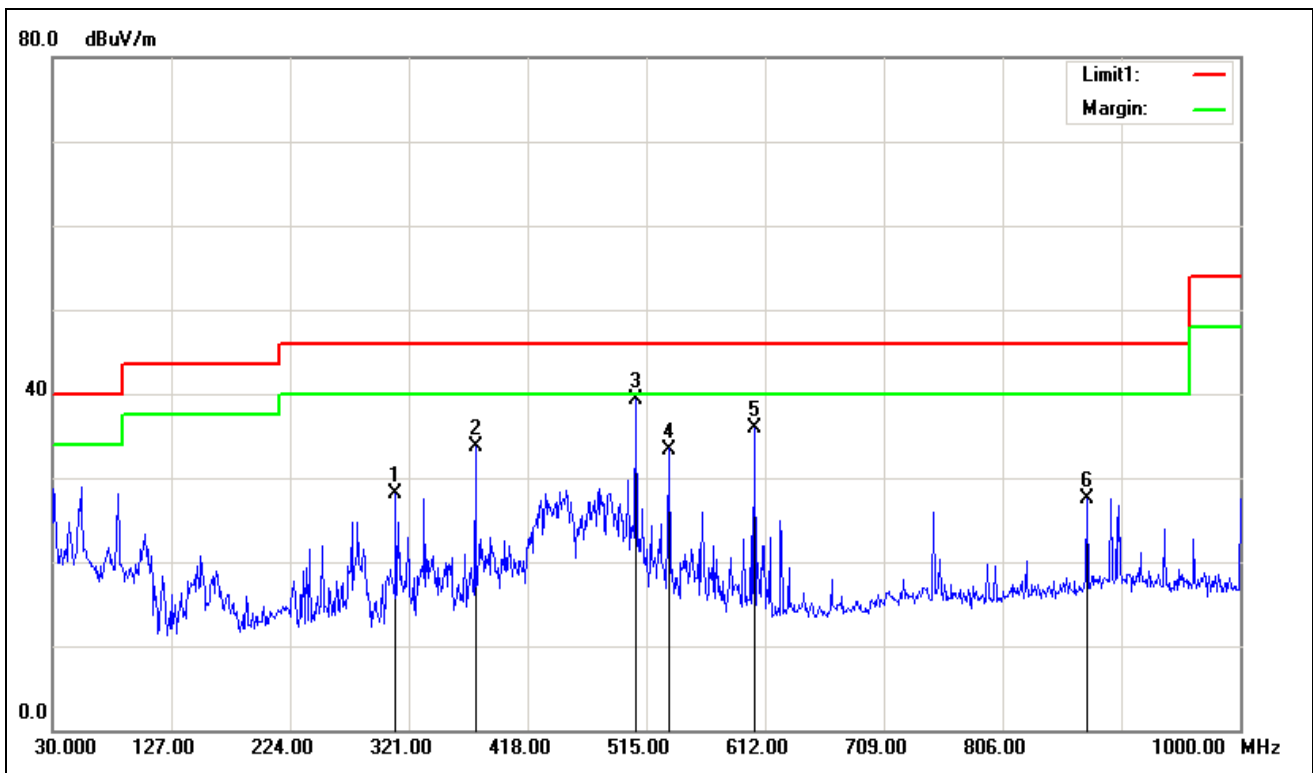
1. No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz)
2. Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using peak/quasi-peak detector mode.
3. Quasi-peak test would be performed if the peak result were greater 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**Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH**Date:** December 7, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1125.000	51.23	-8.08	43.15	74.00	-30.85	V	peak
1760.000	58.27	-6.36	51.91	74.00	-22.09	V	peak
2135.000	49.80	-4.26	45.54	74.00	-28.46	V	peak
3200.000	46.10	-1.02	45.08	74.00	-28.92	V	peak
4165.000	43.56	2.17	45.73	74.00	-28.27	V	peak
4970.000	49.55	4.88	54.43	74.00	-19.57	V	peak
4970.000	40.86	4.88	45.74	54.00	-8.26	V	AVG
1125.000	51.06	-8.08	42.98	74.00	-31.02	H	Peak
1760.000	56.46	-6.36	50.10	74.00	-23.90	H	Peak
2135.000	48.71	-4.26	44.45	74.00	-29.55	H	Peak
2595.000	45.88	-2.09	43.79	74.00	-30.21	H	peak
3375.000	44.36	-0.73	43.63	74.00	-30.37	H	peak
5070.000	42.59	5.10	47.69	74.00	-26.31	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).

**6GHz~18GHz****Test Mode:** TX / IEEE 802.11a / 5180MHz /(CH Low)**Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH**Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	37.45	8.28	45.73	74.00	-28.27	V	peak
7608.000	34.49	8.89	43.38	74.00	-30.62	V	peak
8400.000	32.40	9.43	41.83	74.00	-32.17	V	peak
10356.000	34.19	13.08	47.27	74.00	-26.73	V	peak
11136.000	31.74	15.02	46.76	74.00	-27.24	V	peak
12600.000	30.59	16.63	47.22	74.00	-26.78	V	peak
7296.000	32.87	8.28	41.15	74.00	-32.85	H	Peak
8352.000	32.31	9.46	41.77	74.00	-32.23	H	Peak
9336.000	31.50	10.07	41.57	74.00	-32.43	H	Peak
10044.000	30.90	12.12	43.02	74.00	-30.98	H	peak
11136.000	31.83	15.02	46.85	74.00	-27.15	H	peak
12540.000	31.30	16.43	47.73	74.00	-26.27	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: Jacksan Luo

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	39.26	8.28	47.54	74.00	-26.46	V	peak
8316.000	32.36	9.48	41.84	74.00	-32.16	V	peak
9912.000	32.38	11.73	44.11	74.00	-29.89	V	peak
10392.000	33.74	13.20	46.94	74.00	-27.06	V	peak
11160.000	31.74	15.01	46.75	74.00	-27.25	V	peak
12576.000	30.79	16.55	47.34	74.00	-26.66	V	peak
7296.000	35.56	8.28	43.84	74.00	-30.16	H	Peak
8100.000	31.99	9.60	41.59	74.00	-32.41	H	Peak
9456.000	31.28	10.41	41.69	74.00	-32.31	H	Peak
11148.000	31.75	15.01	46.76	74.00	-27.24	H	peak
12504.000	30.67	16.31	46.98	74.00	-27.02	H	peak
13104.000	29.84	18.22	48.06	74.00	-25.94	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: Jacksan Luo

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	40.23	8.28	48.51	74.00	-25.49	V	peak
7944.000	32.29	9.54	41.83	74.00	-32.17	V	peak
9360.000	31.69	10.14	41.83	74.00	-32.17	V	peak
10476.000	34.25	13.46	47.71	74.00	-26.29	V	peak
11160.000	31.72	15.01	46.73	74.00	-27.27	V	peak
13068.000	29.87	18.13	48.00	74.00	-26.00	V	peak
7296.000	33.20	8.28	41.48	74.00	-32.52	H	Peak
8340.000	32.55	9.46	42.01	74.00	-31.99	H	Peak
9408.000	31.54	10.28	41.82	74.00	-32.18	H	Peak
10476.000	31.54	13.46	45.00	74.00	-29.00	H	peak
11160.000	31.84	15.01	46.85	74.00	-27.15	H	peak
12588.000	30.33	16.59	46.92	74.00	-27.08	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: Jacksan Luo

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	37.57	8.28	45.85	74.00	-28.15	V	peak
7968.000	32.14	9.59	41.73	74.00	-32.27	V	peak
9972.000	30.84	11.90	42.74	74.00	-31.26	V	peak
10524.000	36.40	13.60	50.00	74.00	-24.00	V	peak
11148.000	31.29	15.01	46.30	74.00	-27.70	V	peak
13080.000	29.75	18.16	47.91	74.00	-26.09	V	peak
7296.000	32.86	8.28	41.14	74.00	-32.86	H	Peak
7956.000	32.22	9.56	41.78	74.00	-32.22	H	Peak
9912.000	31.11	11.73	42.84	74.00	-31.16	H	Peak
10512.000	31.83	13.57	45.40	74.00	-28.60	H	peak
11148.000	31.67	15.01	46.68	74.00	-27.32	H	peak
12888.000	29.69	17.58	47.27	74.00	-26.73	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).



Test Mode: TX / IEEE 802.11a / 5300MHz /(CH Mid)

Tested by: Jacksan Luo

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	37.66	8.28	45.94	74.00	-28.06	V	peak
8136.000	32.61	9.58	42.19	74.00	-31.81	V	peak
9396.000	31.44	10.24	41.68	74.00	-32.32	V	peak
10596.000	35.92	13.83	49.75	74.00	-24.25	V	peak
11172.000	31.68	15.00	46.68	74.00	-27.32	V	peak
12684.000	30.22	16.90	47.12	74.00	-26.88	V	peak
7296.000	33.11	8.28	41.39	74.00	-32.61	H	Peak
7752.000	32.36	9.17	41.53	74.00	-32.47	H	Peak
8388.000	32.38	9.44	41.82	74.00	-32.18	H	Peak
10332.000	30.80	13.01	43.81	74.00	-30.19	H	peak
11184.000	31.51	15.00	46.51	74.00	-27.49	H	peak
13032.000	30.19	18.03	48.22	74.00	-25.78	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).



Test Mode: TX / IEEE 802.11a / 5320MHz /(CH High)

Tested by: Jacksan Luo

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	37.71	8.28	45.99	74.00	-28.01	V	peak
7752.000	33.13	9.17	42.30	74.00	-31.70	V	peak
9960.000	31.00	11.86	42.86	74.00	-31.14	V	peak
10644.000	34.58	13.98	48.56	74.00	-25.44	V	peak
11136.000	31.57	15.02	46.59	74.00	-27.41	V	peak
12552.000	30.75	16.47	47.22	74.00	-26.78	V	peak
7296.000	32.92	8.28	41.20	74.00	-32.80	H	Peak
8100.000	32.17	9.60	41.77	74.00	-32.23	H	Peak
9828.000	31.23	11.48	42.71	74.00	-31.29	H	Peak
11148.000	32.23	15.01	47.24	74.00	-26.76	H	peak
12552.000	30.90	16.47	47.37	74.00	-26.63	H	peak
12972.000	30.20	17.86	48.06	74.00	-25.94	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: Jacksan Luo

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	38.63	8.28	46.91	74.00	-27.09	V	peak
7980.000	32.43	9.61	42.04	74.00	-31.96	V	peak
9276.000	31.46	9.89	41.35	74.00	-32.65	V	peak
10260.000	30.23	12.79	43.02	74.00	-30.98	V	peak
11136.000	31.82	15.02	46.84	74.00	-27.16	V	peak
12660.000	30.26	16.82	47.08	74.00	-26.92	V	peak
7296.000	34.15	8.28	42.43	74.00	-31.57	H	Peak
8136.000	32.39	9.58	41.97	74.00	-32.03	H	Peak
9432.000	31.22	10.34	41.56	74.00	-32.44	H	Peak
10272.000	31.36	12.82	44.18	74.00	-29.82	H	peak
11268.000	32.01	14.96	46.97	74.00	-27.03	H	peak
12552.000	30.77	16.47	47.24	74.00	-26.76	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: Jacksan Luo

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	38.48	8.28	46.76	74.00	-27.24	V	peak
8364.000	32.49	9.45	41.94	74.00	-32.06	V	peak
9420.000	31.34	10.31	41.65	74.00	-32.35	V	peak
10620.000	31.17	13.90	45.07	74.00	-28.93	V	peak
11160.000	31.74	15.01	46.75	74.00	-27.25	V	peak
12612.000	30.70	16.67	47.37	74.00	-26.63	V	peak
7296.000	33.69	8.28	41.97	74.00	-32.03	H	Peak
8352.000	32.34	9.46	41.80	74.00	-32.20	H	Peak
9012.000	32.00	9.13	41.13	74.00	-32.87	H	peak
10380.000	30.35	13.16	43.51	74.00	-30.49	H	peak
11160.000	31.77	15.01	46.78	74.00	-27.22	H	peak
12552.000	31.23	16.47	47.70	74.00	-26.30	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).



Test Mode: TX / IEEE 802.11a / 5700MHz /(CH High)

Tested by: Jacksan Luo

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	38.78	8.28	47.06	74.00	-26.94	V	peak
7908.000	32.26	9.47	41.73	74.00	-32.27	V	peak
9792.000	30.81	11.38	42.19	74.00	-31.81	V	peak
10596.000	30.93	13.83	44.76	74.00	-29.24	V	peak
11136.000	31.80	15.02	46.82	74.00	-27.18	V	peak
12540.000	30.61	16.43	47.04	74.00	-26.96	V	peak
7608.000	32.52	8.89	41.41	74.00	-32.59	H	Peak
8328.000	32.77	9.47	42.24	74.00	-31.76	H	Peak
9444.000	31.57	10.38	41.95	74.00	-32.05	H	Peak
10212.000	30.52	12.64	43.16	74.00	-30.84	H	peak
11160.000	31.97	15.01	46.98	74.00	-27.02	H	peak
12576.000	30.57	16.55	47.12	74.00	-26.88	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 / 5745MHz / (CH Low)

Tested by: Jacksan Luo

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	35.28	8.28	43.56	74.00	-30.44	V	peak
8328.000	32.54	9.47	42.01	74.00	-31.99	V	peak
9696.000	30.87	11.10	41.97	74.00	-32.03	V	peak
11292.000	31.77	14.95	46.72	74.00	-27.28	V	peak
12420.000	30.54	16.03	46.57	74.00	-27.43	V	peak
13080.000	29.49	18.16	47.65	74.00	-26.35	V	peak
7296.000	33.66	8.28	41.94	74.00	-32.06	H	Peak
8136.000	32.28	9.58	41.86	74.00	-32.14	H	Peak
9432.000	31.61	10.34	41.95	74.00	-32.05	H	Peak
10716.000	30.48	14.20	44.68	74.00	-29.32	H	peak
11136.000	31.66	15.02	46.68	74.00	-27.32	H	peak
12552.000	30.69	16.47	47.16	74.00	-26.84	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 / 5785MHz /(CH Mid)

Tested by: Jacksan Luo

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7308.000	35.56	8.30	43.86	74.00	-30.14	V	peak
8352.000	32.11	9.46	41.57	74.00	-32.43	V	peak
9420.000	31.58	10.31	41.89	74.00	-32.11	V	peak
11136.000	31.62	15.02	46.64	74.00	-27.36	V	peak
12528.000	30.06	16.39	46.45	74.00	-27.55	V	peak
13200.000	29.50	18.48	47.98	74.00	-26.02	V	peak
7308.000	33.57	8.30	41.87	74.00	-32.13	H	Peak
7992.000	32.05	9.63	41.68	74.00	-32.32	H	Peak
9792.000	30.51	11.38	41.89	74.00	-32.11	H	Peak
10380.000	30.56	13.16	43.72	74.00	-30.28	H	peak
11136.000	31.63	15.02	46.65	74.00	-27.35	H	peak
12984.000	29.29	17.90	47.19	74.00	-26.81	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: Jacksan Luo

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7308.000	36.98	8.30	45.28	74.00	-28.72	V	peak
8400.000	32.32	9.43	41.75	74.00	-32.25	V	peak
10032.000	31.11	12.08	43.19	74.00	-30.81	V	peak
11160.000	31.41	15.01	46.42	74.00	-27.58	V	peak
12504.000	31.01	16.31	47.32	74.00	-26.68	V	peak
13056.000	30.16	18.10	48.26	74.00	-25.74	V	peak
7308.000	32.20	8.30	40.50	74.00	-33.50	H	Peak
8064.000	32.31	9.61	41.92	74.00	-32.08	H	Peak
8940.000	32.72	9.13	41.85	74.00	-32.15	H	Peak
11172.000	31.58	15.00	46.58	74.00	-27.42	H	peak
12396.000	31.07	15.95	47.02	74.00	-26.98	H	peak
13056.000	30.04	18.10	48.14	74.00	-25.86	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 802.11n HT 20 MHz / 5180MHz /(CH Low) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7308.000	34.81	8.30	43.11	74.00	-30.89	V	peak
7992.000	32.65	9.63	42.28	74.00	-31.72	V	peak
8964.000	32.35	9.12	41.47	74.00	-32.53	V	peak
10356.000	33.45	13.08	46.53	74.00	-27.47	V	peak
11160.000	31.99	15.01	47.00	74.00	-27.00	V	peak
13200.000	29.59	18.48	48.07	74.00	-25.93	V	peak
7308.000	32.31	8.30	40.61	74.00	-33.39	H	Peak
8052.000	32.22	9.62	41.84	74.00	-32.16	H	Peak
9348.000	31.71	10.10	41.81	74.00	-32.19	H	Peak
10140.000	30.91	12.41	43.32	74.00	-30.68	H	peak
11148.000	31.86	15.01	46.87	74.00	-27.13	H	peak
12552.000	30.77	16.47	47.24	74.00	-26.76	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 802.11n HT 20 MHz / 5200MHz /(CH Mid) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7308.000	36.00	8.30	44.30	74.00	-29.70	V	peak
8112.000	32.11	9.59	41.70	74.00	-32.30	V	peak
9372.000	31.51	10.17	41.68	74.00	-32.32	V	peak
10404.000	34.01	13.23	47.24	74.00	-26.76	V	peak
11172.000	31.62	15.00	46.62	74.00	-27.38	V	peak
12564.000	30.70	16.51	47.21	74.00	-26.79	V	peak
7704.000	31.90	9.07	40.97	74.00	-33.03	H	Peak
8412.000	32.02	9.42	41.44	74.00	-32.56	H	Peak
9072.000	32.27	9.31	41.58	74.00	-32.42	H	Peak
10272.000	30.71	12.82	43.53	74.00	-30.47	H	peak
11148.000	31.78	15.01	46.79	74.00	-27.21	H	peak
13260.000	29.75	18.63	48.38	74.00	-25.62	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 802.11n HT 20 MHz / 5240MHz /(CH High) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7308.000	36.07	8.30	44.37	74.00	-29.63	V	peak
8064.000	32.18	9.61	41.79	74.00	-32.21	V	peak
9336.000	32.41	10.07	42.48	74.00	-31.52	V	peak
10476.000	34.35	13.46	47.81	74.00	-26.19	V	peak
11184.000	31.84	15.00	46.84	74.00	-27.16	V	peak
13320.000	29.61	18.79	48.40	74.00	-25.60	V	peak
7308.000	32.48	8.30	40.78	74.00	-33.22	H	Peak
8388.000	32.68	9.44	42.12	74.00	-31.88	H	Peak
9420.000	31.60	10.31	41.91	74.00	-32.09	H	Peak
10104.000	31.00	12.30	43.30	74.00	-30.70	H	peak
11304.000	31.75	14.95	46.70	74.00	-27.30	H	peak
13020.000	29.91	18.00	47.91	74.00	-26.09	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).

**Test Mode:** TX / IEEE 802.11n HT 20 MHz / 5260MHz /(CH Low) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	38.80	8.28	47.08	74.00	-26.92	V	peak
8064.000	32.10	9.61	41.71	74.00	-32.29	V	peak
8952.000	32.24	9.13	41.37	74.00	-32.63	V	peak
10524.000	36.11	13.60	49.71	74.00	-24.29	V	peak
11280.000	31.90	14.96	46.86	74.00	-27.14	V	peak
12588.000	31.00	16.59	47.59	74.00	-26.41	V	peak
7296.000	35.42	8.28	43.70	74.00	-30.30	H	Peak
8136.000	32.09	9.58	41.67	74.00	-32.33	H	Peak
9540.000	30.93	10.66	41.59	74.00	-32.41	H	Peak
10524.000	31.57	13.60	45.17	74.00	-28.83	H	peak
11280.000	31.49	14.96	46.45	74.00	-27.55	H	peak
12648.000	30.69	16.78	47.47	74.00	-26.53	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 802.11n HT 20 MHz / 5300MHz /(CH Mid) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	36.60	8.28	44.88	74.00	-29.12	V	peak
8112.000	32.20	9.59	41.79	74.00	-32.21	V	peak
9372.000	31.47	10.17	41.64	74.00	-32.36	V	peak
10596.000	35.18	13.83	49.01	74.00	-24.99	V	peak
11136.000	31.76	15.02	46.78	74.00	-27.22	V	peak
12588.000	30.62	16.59	47.21	74.00	-26.79	V	peak
7296.000	33.16	8.28	41.44	74.00	-32.56	H	Peak
7920.000	32.46	9.49	41.95	74.00	-32.05	H	Peak
8988.000	31.88	9.11	40.99	74.00	-33.01	H	Peak
10596.000	31.61	13.83	45.44	74.00	-28.56	H	peak
11160.000	31.77	15.01	46.78	74.00	-27.22	H	peak
13188.000	30.13	18.44	48.57	74.00	-25.43	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 802.11n HT 20 MHz / 5320MHz /(CH High) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	37.63	8.28	45.91	74.00	-28.09	V	peak
7968.000	32.66	9.59	42.25	74.00	-31.75	V	peak
9444.000	31.72	10.38	42.10	74.00	-31.90	V	peak
10644.000	34.26	13.98	48.24	74.00	-25.76	V	peak
11172.000	31.74	15.00	46.74	74.00	-27.26	V	peak
12492.000	30.64	16.27	46.91	74.00	-27.09	V	peak
7296.000	33.24	8.28	41.52	74.00	-32.48	H	Peak
8124.000	32.16	9.58	41.74	74.00	-32.26	H	Peak
8388.000	32.07	9.44	41.51	74.00	-32.49	H	Peak
10032.000	31.62	12.08	43.70	74.00	-30.30	H	peak
11184.000	31.71	15.00	46.71	74.00	-27.29	H	peak
12492.000	30.98	16.27	47.25	74.00	-26.75	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 802.11n HT 20 MHz / 5500MHz /(CH Low) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	36.99	8.28	45.27	74.00	-28.73	V	peak
8124.000	32.70	9.58	42.28	74.00	-31.72	V	peak
9360.000	31.60	10.14	41.74	74.00	-32.26	V	peak
10500.000	31.07	13.53	44.60	74.00	-29.40	V	peak
11136.000	31.79	15.02	46.81	74.00	-27.19	V	peak
12636.000	30.48	16.75	47.23	74.00	-26.77	V	peak
7296.000	32.81	8.28	41.09	74.00	-32.91	H	Peak
8196.000	32.63	9.54	42.17	74.00	-31.83	H	Peak
9408.000	31.85	10.28	42.13	74.00	-31.87	H	Peak
10032.000	31.22	12.08	43.30	74.00	-30.70	H	peak
11160.000	31.50	15.01	46.51	74.00	-27.49	H	peak
12564.000	30.42	16.51	46.93	74.00	-27.07	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 802.11n HT 20 MHz / 5580MHz /(CH Mid) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	38.28	8.28	46.56	74.00	-27.44	V	peak
8040.000	32.21	9.63	41.84	74.00	-32.16	V	peak
9336.000	31.64	10.07	41.71	74.00	-32.29	V	peak
10332.000	30.43	13.01	43.44	74.00	-30.56	V	peak
11160.000	31.98	15.01	46.99	74.00	-27.01	V	peak
13068.000	29.78	18.13	47.91	74.00	-26.09	V	peak
7296.000	34.42	8.28	42.70	74.00	-31.30	H	Peak
8160.000	32.37	9.56	41.93	74.00	-32.07	H	Peak
9432.000	31.50	10.34	41.84	74.00	-32.16	H	Peak
9912.000	31.27	11.73	43.00	74.00	-31.00	H	peak
11160.000	31.98	15.01	46.99	74.00	-27.01	H	peak
12576.000	30.92	16.55	47.47	74.00	-26.53	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 802.11n HT 20 MHz / 5700MHz /(CH High) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	36.95	8.28	45.23	74.00	-28.77	V	peak
8028.000	32.16	9.63	41.79	74.00	-32.21	V	peak
8412.000	32.27	9.42	41.69	74.00	-32.31	V	peak
9828.000	30.73	11.48	42.21	74.00	-31.79	V	peak
11148.000	32.16	15.01	47.17	74.00	-26.83	V	peak
12588.000	31.24	16.59	47.83	74.00	-26.17	V	peak
7296.000	35.34	8.28	43.62	74.00	-30.38	H	Peak
8112.000	32.31	9.59	41.90	74.00	-32.10	H	Peak
9000.000	32.37	9.10	41.47	74.00	-32.53	H	Peak
10860.000	30.42	14.65	45.07	74.00	-28.93	H	peak
11364.000	31.86	14.92	46.78	74.00	-27.22	H	peak
13080.000	29.92	18.16	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 802.11n HT 20 MHz / 5745MHz /(CH Low) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	38.87	8.28	47.15	74.00	-26.85	V	peak
8172.000	32.58	9.56	42.14	74.00	-31.86	V	peak
9000.000	32.23	9.10	41.33	74.00	-32.67	V	peak
10356.000	30.84	13.08	43.92	74.00	-30.08	V	peak
11232.000	31.78	14.98	46.76	74.00	-27.24	V	peak
12564.000	30.61	16.51	47.12	74.00	-26.88	V	peak
7296.000	31.97	8.28	40.25	74.00	-33.75	H	Peak
8412.000	32.38	9.42	41.80	74.00	-32.20	H	Peak
9432.000	31.50	10.34	41.84	74.00	-32.16	H	Peak
10080.000	31.34	12.23	43.57	74.00	-30.43	H	peak
11484.000	32.19	14.87	47.06	74.00	-26.94	H	peak
13296.000	29.28	18.73	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 802.11n HT 20 MHz / 5785MHz /(CH Mid) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	37.66	8.28	45.94	74.00	-28.06	V	peak
8160.000	32.38	9.56	41.94	74.00	-32.06	V	peak
9900.000	31.31	11.69	43.00	74.00	-31.00	V	peak
10788.000	30.84	14.42	45.26	74.00	-28.74	V	peak
11136.000	31.63	15.02	46.65	74.00	-27.35	V	peak
13068.000	29.60	18.13	47.73	74.00	-26.27	V	peak
7296.000	33.91	8.28	42.19	74.00	-31.81	H	Peak
8124.000	32.27	9.58	41.85	74.00	-32.15	H	Peak
9336.000	31.86	10.07	41.93	74.00	-32.07	H	Peak
10836.000	30.21	14.57	44.78	74.00	-29.22	H	peak
11148.000	32.02	15.01	47.03	74.00	-26.97	H	peak
12660.000	30.56	16.82	47.38	74.00	-26.62	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 802.11n HT 20 MHz / 5825MHz /(CH High) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	35.47	8.28	43.75	74.00	-30.25	V	peak
8376.000	32.24	9.44	41.68	74.00	-32.32	V	peak
10152.000	31.21	12.45	43.66	74.00	-30.34	V	peak
10488.000	30.82	13.49	44.31	74.00	-29.69	V	peak
11160.000	31.55	15.01	46.56	74.00	-27.44	V	peak
12516.000	30.69	16.35	47.04	74.00	-26.96	V	peak
7008.000	32.34	7.72	40.06	74.00	-33.94	H	Peak
8148.000	32.28	9.57	41.85	74.00	-32.15	H	Peak
8940.000	31.82	9.13	40.95	74.00	-33.05	H	Peak
9996.000	31.37	11.97	43.34	74.00	-30.66	H	peak
11304.000	31.72	14.95	46.67	74.00	-27.33	H	peak
13032.000	30.05	18.03	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 802.11n HT 40 MHz / 5190MHz /(CH Low) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7404.000	36.33	8.49	44.82	74.00	-29.18	V	peak
7944.000	32.45	9.54	41.99	74.00	-32.01	V	peak
9912.000	31.72	11.73	43.45	74.00	-30.55	V	peak
10380.000	33.41	13.16	46.57	74.00	-27.43	V	peak
11400.000	32.09	14.90	46.99	74.00	-27.01	V	peak
12564.000	31.12	16.51	47.63	74.00	-26.37	V	peak
7404.000	33.25	8.49	41.74	74.00	-32.26	H	Peak
7896.000	32.03	9.45	41.48	74.00	-32.52	H	Peak
9444.000	31.77	10.38	42.15	74.00	-31.85	H	Peak
10032.000	32.33	12.08	44.41	74.00	-29.59	H	peak
11160.000	31.70	15.01	46.71	74.00	-27.29	H	peak
12612.000	31.21	16.67	47.88	74.00	-26.12	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 802.11n HT 40 MHz / 5230MHz /(CH High) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7404.000	35.42	8.49	43.91	74.00	-30.09	V	peak
8100.000	32.47	9.60	42.07	74.00	-31.93	V	peak
8952.000	32.52	9.13	41.65	74.00	-32.35	V	peak
10476.000	32.67	13.46	46.13	74.00	-27.87	V	peak
11160.000	31.83	15.01	46.84	74.00	-27.16	V	peak
12672.000	30.97	16.86	47.83	74.00	-26.17	V	peak
6660.000	31.98	7.15	39.13	74.00	-34.87	H	Peak
7956.000	32.48	9.56	42.04	74.00	-31.96	H	Peak
10032.000	31.59	12.08	43.67	74.00	-30.33	H	Peak
10716.000	31.65	14.20	45.85	74.00	-28.15	H	peak
11136.000	32.40	15.02	47.42	74.00	-26.58	H	peak
12768.000	30.35	17.18	47.53	74.00	-26.47	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 802.11n HT 40 MHz / 5270MHz /(CH Low) **Tested by:** Jacksan Luo

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7404.000	35.36	8.49	43.85	74.00	-30.15	V	peak
7968.000	32.32	9.59	41.91	74.00	-32.09	V	peak
9840.000	31.17	11.52	42.69	74.00	-31.31	V	peak
10536.000	32.46	13.64	46.10	74.00	-27.90	V	peak
11328.000	31.96	14.94	46.90	74.00	-27.10	V	peak
13068.000	30.64	18.13	48.77	74.00	-25.23	V	peak
7296.000	33.46	8.28	41.74	74.00	-32.26	H	Peak
8124.000	31.88	9.58	41.46	74.00	-32.54	H	Peak
9420.000	31.80	10.31	42.11	74.00	-31.89	H	Peak
10668.000	31.86	14.05	45.91	74.00	-28.09	H	peak
11364.000	31.99	14.92	46.91	74.00	-27.09	H	peak
12540.000	31.25	16.43	47.68	74.00	-26.32	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 802.11n HT 40 MHz / 5310MHz /(CH High) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	33.75	8.28	42.03	74.00	-31.97	V	peak
8028.000	32.71	9.63	42.34	74.00	-31.66	V	peak
9456.000	31.62	10.41	42.03	74.00	-31.97	V	peak
10620.000	34.10	13.90	48.00	74.00	-26.00	V	peak
11136.000	32.15	15.02	47.17	74.00	-26.83	V	peak
12648.000	31.07	16.78	47.85	74.00	-26.15	V	peak
7296.000	33.59	8.28	41.87	74.00	-32.13	H	Peak
8136.000	32.11	9.58	41.69	74.00	-32.31	H	Peak
9420.000	32.08	10.31	42.39	74.00	-31.61	H	Peak
10296.000	31.04	12.90	43.94	74.00	-30.06	H	peak
11148.000	31.70	15.01	46.71	74.00	-27.29	H	peak
12612.000	30.79	16.67	47.46	74.00	-26.54	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 802.11n HT 40 MHz / 5510MHz /(CH Low) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	37.47	8.28	45.75	74.00	-28.25	V	peak
8400.000	32.29	9.43	41.72	74.00	-32.28	V	peak
9684.000	31.11	11.07	42.18	74.00	-31.82	V	peak
10704.000	31.29	14.16	45.45	74.00	-28.55	V	peak
11280.000	31.97	14.96	46.93	74.00	-27.07	V	peak
13272.000	30.09	18.67	48.76	74.00	-25.24	V	peak
7068.000	32.15	7.83	39.98	74.00	-34.02	H	Peak
8004.000	31.90	9.65	41.55	74.00	-32.45	H	Peak
9024.000	31.94	9.17	41.11	74.00	-32.89	H	Peak
10056.000	32.15	12.15	44.30	74.00	-29.70	H	peak
11136.000	31.94	15.02	46.96	74.00	-27.04	H	peak
13044.000	30.63	18.07	48.70	74.00	-25.30	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).

**Test Mode:** TX / IEEE 802.11n HT 40 MHz / 5550MHz /(CH Mid) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	38.37	8.28	46.65	74.00	-27.35	V	peak
8424.000	32.16	9.42	41.58	74.00	-32.42	V	peak
9336.000	31.58	10.07	41.65	74.00	-32.35	V	peak
9912.000	31.89	11.73	43.62	74.00	-30.38	V	peak
11232.000	32.11	14.98	47.09	74.00	-26.91	V	peak
12744.000	30.69	17.10	47.79	74.00	-26.21	V	peak
7296.000	35.38	8.28	43.66	74.00	-30.34	H	Peak
8388.000	31.92	9.44	41.36	74.00	-32.64	H	Peak
9804.000	31.27	11.42	42.69	74.00	-31.31	H	Peak
11136.000	31.91	15.02	46.93	74.00	-27.07	H	peak
12672.000	30.93	16.86	47.79	74.00	-26.21	H	peak
13164.000	30.99	18.38	49.37	74.00	-24.63	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 802.11n HT 40 MHz / 5670MHz /(CH High) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	36.97	8.28	45.25	74.00	-28.75	V	peak
7968.000	32.29	9.59	41.88	74.00	-32.12	V	peak
9000.000	32.38	9.10	41.48	74.00	-32.52	V	peak
10344.000	31.56	13.05	44.61	74.00	-29.39	V	peak
11148.000	32.03	15.01	47.04	74.00	-26.96	V	peak
13200.000	29.88	18.48	48.36	74.00	-25.64	V	peak
6588.000	32.61	7.03	39.64	74.00	-34.36	H	Peak
7956.000	32.05	9.56	41.61	74.00	-32.39	H	Peak
9408.000	31.96	10.28	42.24	74.00	-31.76	H	Peak
11136.000	31.67	15.02	46.69	74.00	-27.31	H	peak
12588.000	30.77	16.59	47.36	74.00	-26.64	H	peak
13308.000	29.91	18.76	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).

**Test Mode:** TX / IEEE 802.11n HT 40 MHz / 5755MHz /(CH Low) **Tested by:** Jacksan Luo**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	38.11	8.28	46.39	74.00	-27.61	V	peak
8088.000	31.93	9.60	41.53	74.00	-32.47	V	peak
9468.000	31.88	10.45	42.33	74.00	-31.67	V	peak
11160.000	31.89	15.01	46.90	74.00	-27.10	V	peak
12660.000	30.64	16.82	47.46	74.00	-26.54	V	peak
13272.000	29.73	18.67	48.40	74.00	-25.60	V	peak
7296.000	35.89	8.28	44.17	74.00	-29.83	H	Peak
8124.000	32.68	9.58	42.26	74.00	-31.74	H	Peak
9444.000	31.96	10.38	42.34	74.00	-31.66	H	Peak
10596.000	31.60	13.83	45.43	74.00	-28.57	H	peak
11436.000	31.98	14.89	46.87	74.00	-27.13	H	peak
13188.000	29.97	18.44	48.41	74.00	-25.59	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 802.11n HT 40 MHz / 5795MHz /(CH High) **Tested by:** Jacksan Luo

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	37.35	8.28	45.63	74.00	-28.37	V	peak
8004.000	32.03	9.65	41.68	74.00	-32.32	V	peak
10152.000	31.60	12.45	44.05	74.00	-29.95	V	peak
11268.000	32.33	14.96	47.29	74.00	-26.71	V	peak
12600.000	31.10	16.63	47.73	74.00	-26.27	V	peak
13260.000	29.67	18.63	48.30	74.00	-25.70	V	peak
7296.000	33.96	8.28	42.24	74.00	-31.76	H	Peak
8100.000	32.26	9.60	41.86	74.00	-32.14	H	Peak
9552.000	32.22	10.69	42.91	74.00	-31.09	H	Peak
11148.000	32.14	15.01	47.15	74.00	-26.85	H	peak
12504.000	31.02	16.31	47.33	74.00	-26.67	H	peak
13224.000	29.72	18.54	48.26	74.00	-25.74	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 802.11ac 80 / 5210MHz**Tested by:** Jacksan Luo**Ambient temperature:** 24°C**Relative humidity:** 52% RH**Date:** December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	32.88	8.28	41.16	74.00	-32.84	V	peak
8100.000	32.35	9.60	41.95	74.00	-32.05	V	peak
9960.000	31.69	11.86	43.55	74.00	-30.45	V	peak
10380.000	33.33	13.16	46.49	74.00	-27.51	V	peak
11148.000	32.15	15.01	47.16	74.00	-26.84	V	peak
12780.000	30.39	17.22	47.61	74.00	-26.39	V	peak
7296.000	32.47	8.28	40.75	74.00	-33.25	H	Peak
8100.000	31.88	9.60	41.48	74.00	-32.52	H	Peak
9420.000	31.87	10.31	42.18	74.00	-31.82	H	Peak
10764.000	31.76	14.35	46.11	74.00	-27.89	H	peak
11268.000	31.97	14.96	46.93	74.00	-27.07	H	peak
12600.000	30.67	16.63	47.30	74.00	-26.70	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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$.

Test Mode: TX / IEEE 802.11ac 80 / 5290MHzTested by: Jacksan LuoAmbient temperature: 24°CRelative humidity: 52% RHDate: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	35.70	8.28	43.98	74.00	-30.02	V	peak
8052.000	31.91	9.62	41.53	74.00	-32.47	V	peak
9336.000	31.58	10.07	41.65	74.00	-32.35	V	peak
10536.000	32.79	13.64	46.43	74.00	-27.57	V	peak
11148.000	32.05	15.01	47.06	74.00	-26.94	V	peak
12684.000	31.03	16.90	47.93	74.00	-26.07	V	peak
7296.000	33.82	8.28	42.10	74.00	-31.90	H	Peak
8184.000	32.71	9.55	42.26	74.00	-31.74	H	Peak
9432.000	31.99	10.34	42.33	74.00	-31.67	H	Peak
10260.000	31.30	12.79	44.09	74.00	-29.91	H	peak
11160.000	31.96	15.01	46.97	74.00	-27.03	H	peak
12624.000	31.07	16.71	47.78	74.00	-26.22	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 802.11ac 80 / 5530MHzTested by: Jacksan LuoAmbient temperature: 24°CRelative humidity: 52% RHDate: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	34.97	8.28	43.25	74.00	-30.75	V	peak
7992.000	32.24	9.63	41.87	74.00	-32.13	V	peak
8964.000	32.51	9.12	41.63	74.00	-32.37	V	peak
10560.000	31.95	13.72	45.67	74.00	-28.33	V	peak
11172.000	32.03	15.00	47.03	74.00	-26.97	V	peak
12540.000	30.97	16.43	47.40	74.00	-26.60	V	peak
7116.000	32.41	7.93	40.34	74.00	-33.66	H	Peak
7920.000	32.15	9.49	41.64	74.00	-32.36	H	Peak
9300.000	31.68	9.96	41.64	74.00	-32.36	H	Peak
10116.000	31.53	12.34	43.87	74.00	-30.13	H	peak
11136.000	31.82	15.02	46.84	74.00	-27.16	H	peak
13032.000	30.10	18.03	48.13	74.00	-25.87	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 802.11ac 80 / 5775MHzTested by: Jacksan LuoAmbient temperature: 24°CRelative humidity: 52% RHDate: December 6, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	36.51	8.28	44.79	74.00	-29.21	V	peak
8004.000	32.19	9.65	41.84	74.00	-32.16	V	peak
9576.000	31.49	10.76	42.25	74.00	-31.75	V	peak
11136.000	32.21	15.02	47.23	74.00	-26.77	V	peak
12540.000	31.20	16.43	47.63	74.00	-26.37	V	peak
13140.000	29.42	18.32	47.74	74.00	-26.26	V	peak
7296.000	34.17	8.28	42.45	74.00	-31.55	H	Peak
7992.000	32.11	9.63	41.74	74.00	-32.26	H	Peak
9648.000	31.69	10.97	42.66	74.00	-31.34	H	Peak
11136.000	32.08	15.02	47.10	74.00	-26.90	H	peak
12660.000	30.57	16.82	47.39	74.00	-26.61	H	peak
13320.000	29.94	18.79	48.73	74.00	-25.27	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).