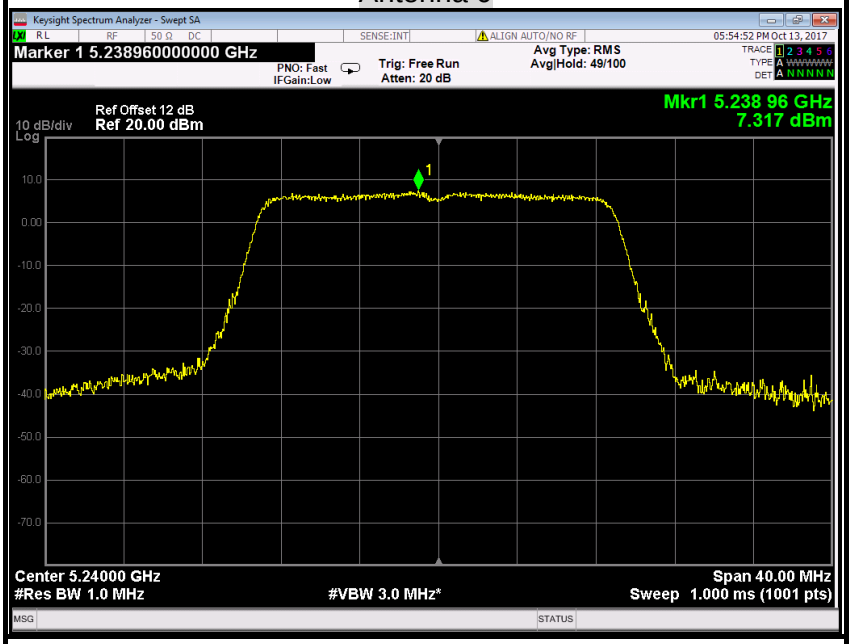
PPSD (CH High)

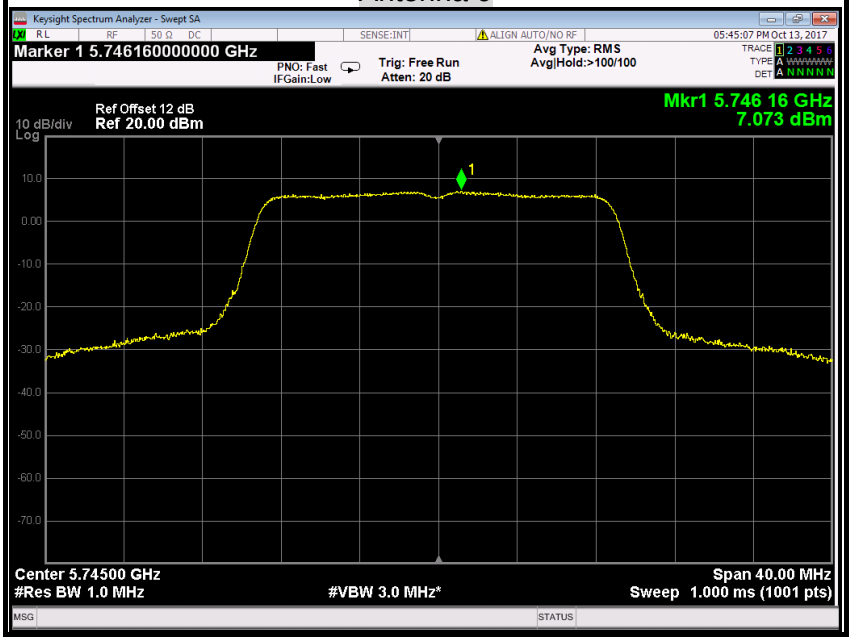
Antenna 0



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

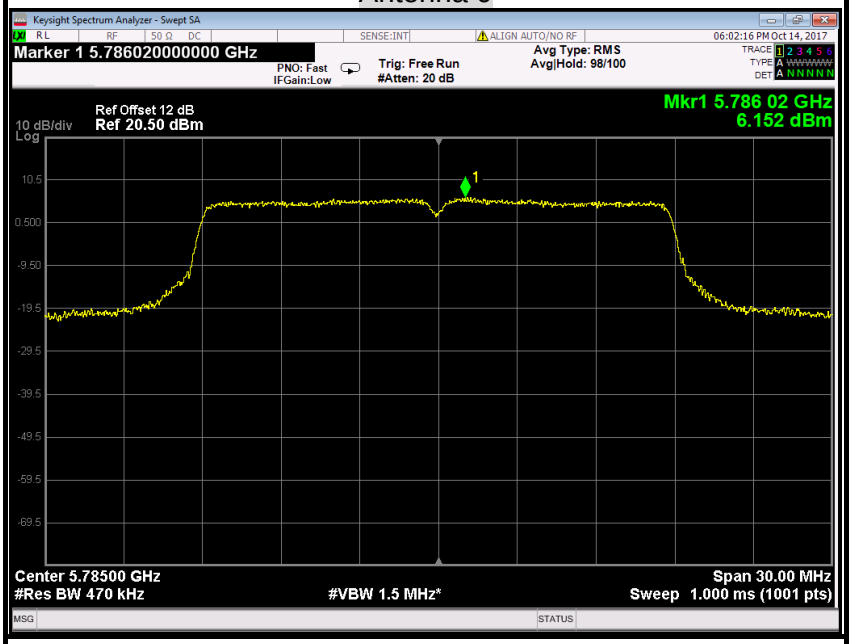
PPSD (CH Low)

Antenna 0



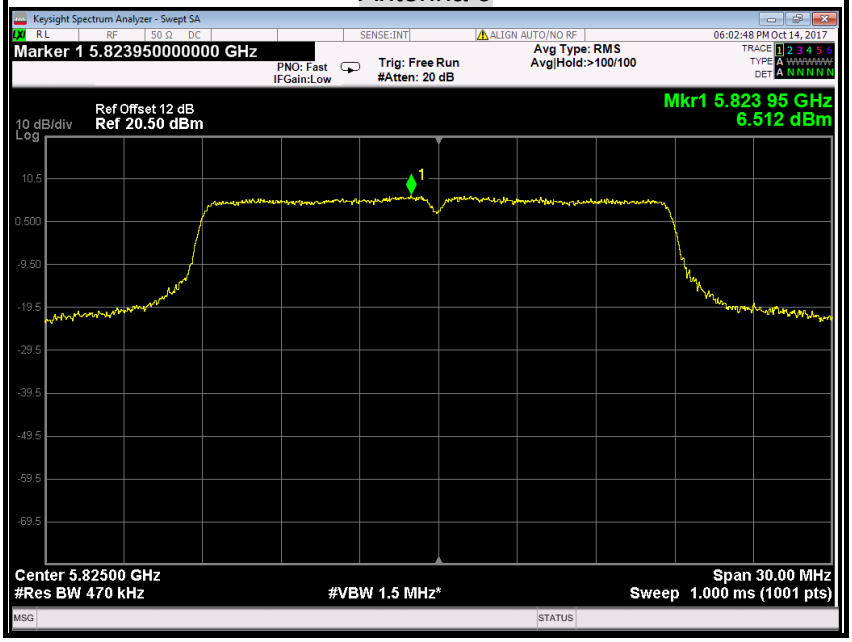
PPSD (CH Mid)

Antenna 0



PPSD (CH High)

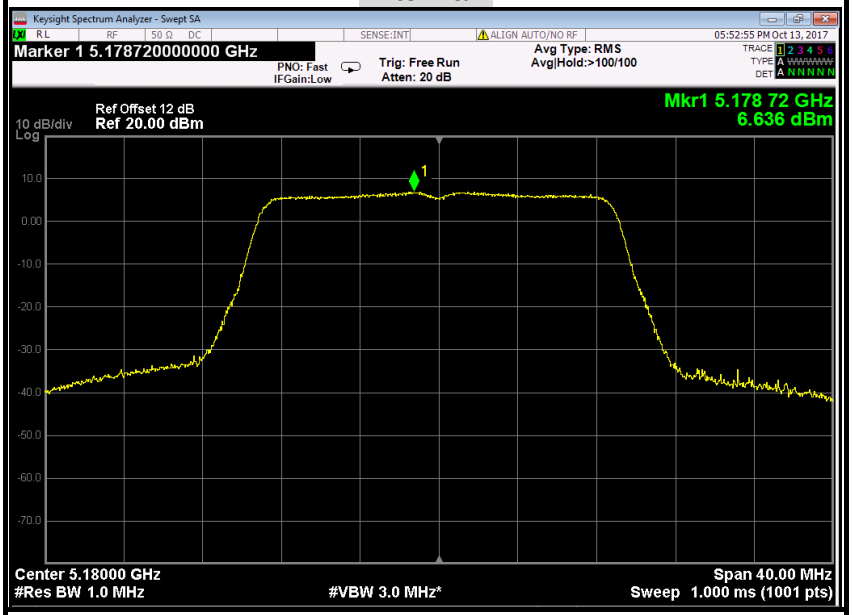
Antenna 0



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

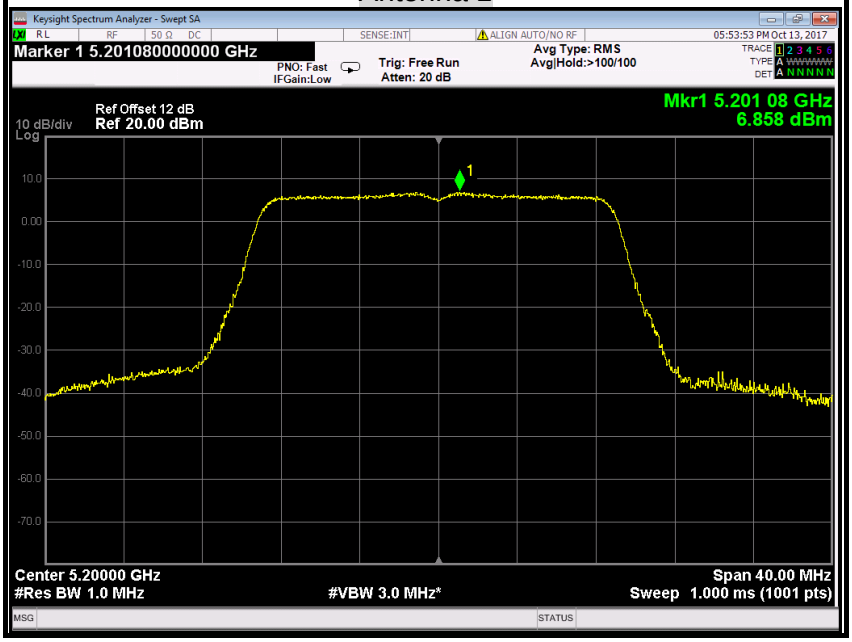
PPSD (CH Low)

Antenna 1



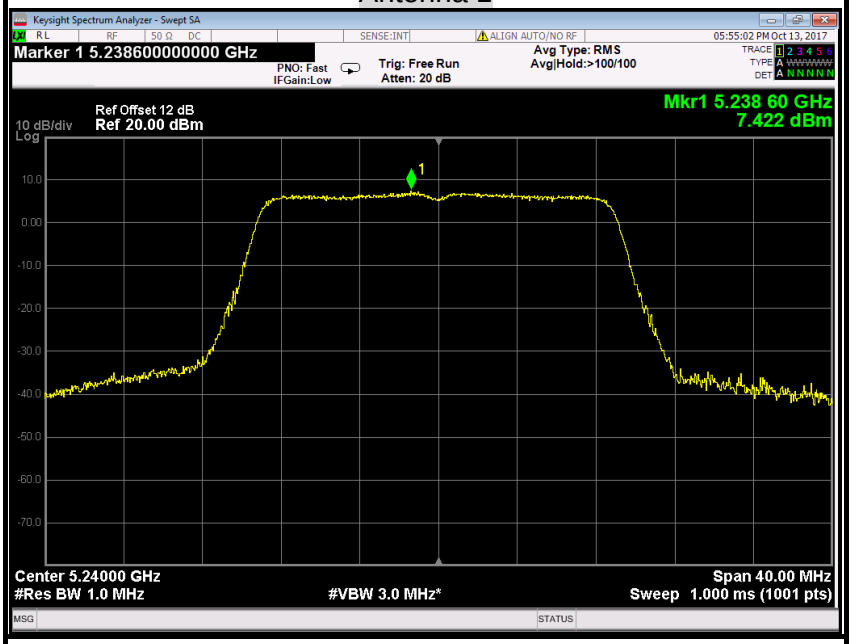
PPSD (CH Mid)

Antenna 1



PPSD (CH High)

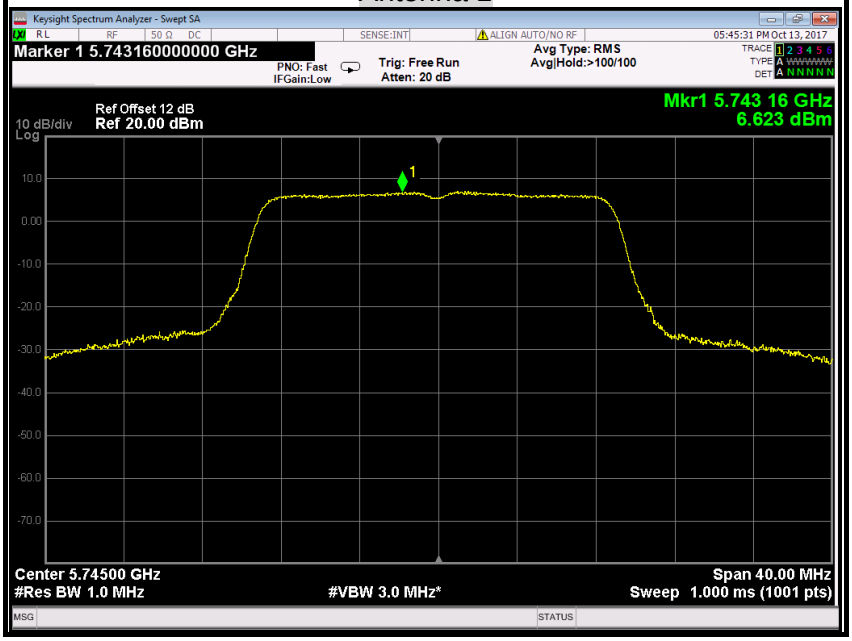
Antenna 1



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

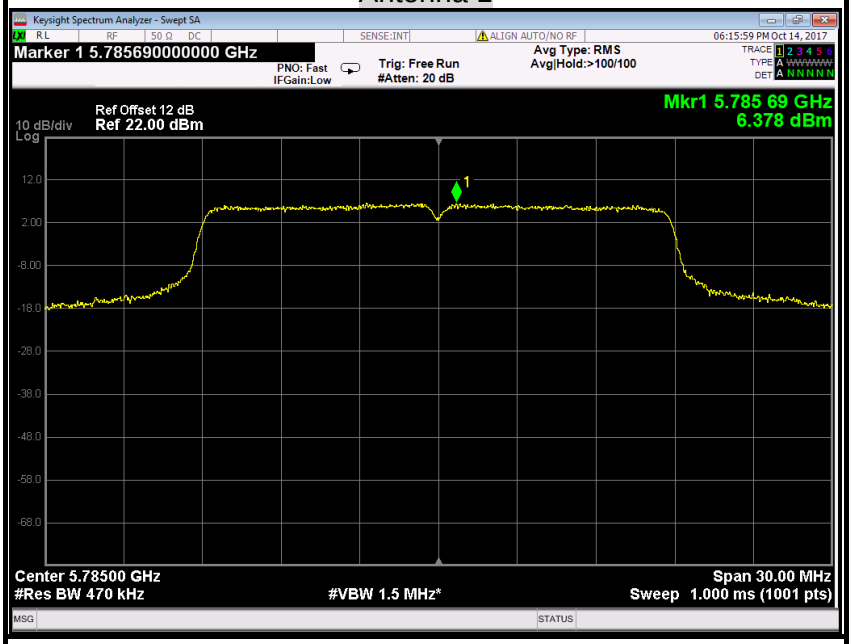
PPSD (CH Low)

Antenna 1



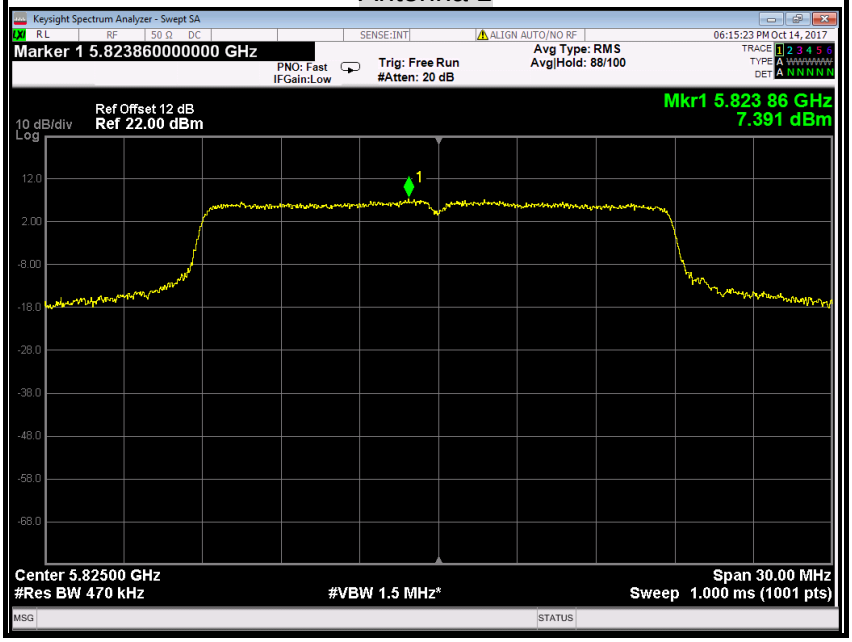
PPSD (CH Mid)

Antenna 1



PPSD (CH High)

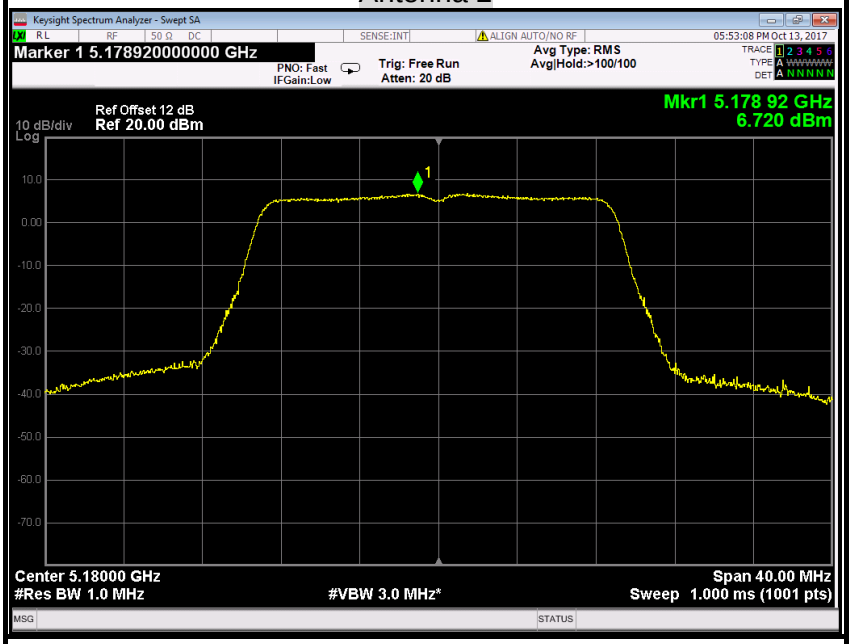
Antenna 1



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

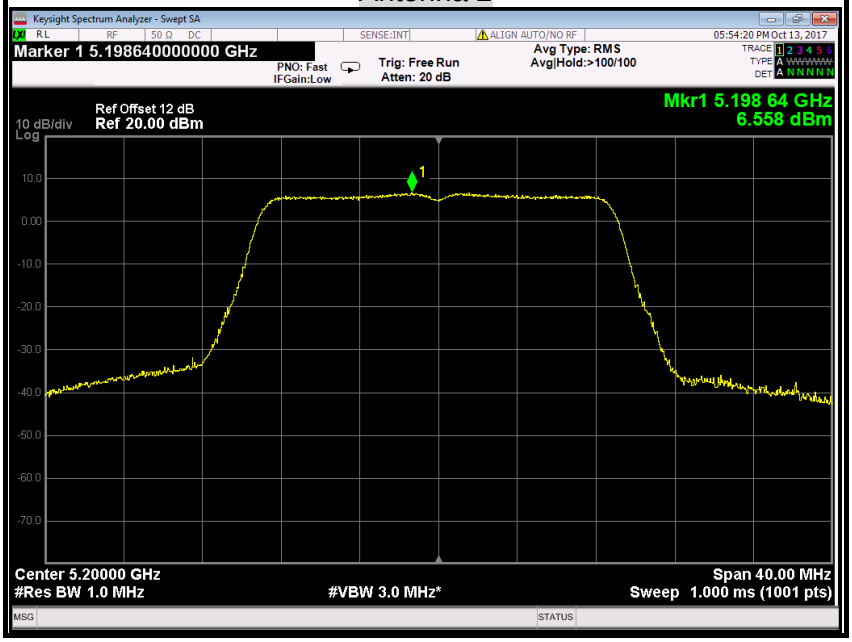
PPSD (CH Low)

Antenna 2



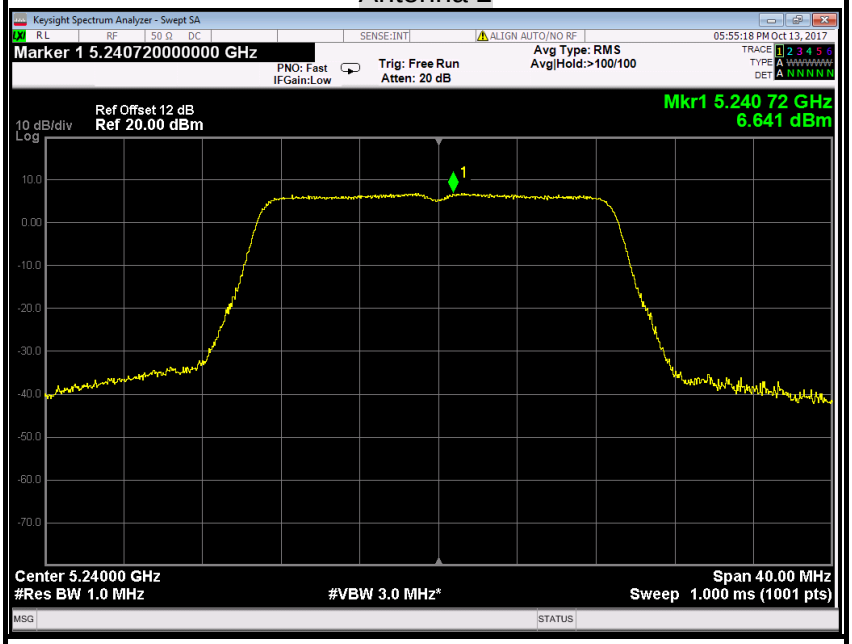
PPSD (CH Mid)

Antenna 2



PPSD (CH High)

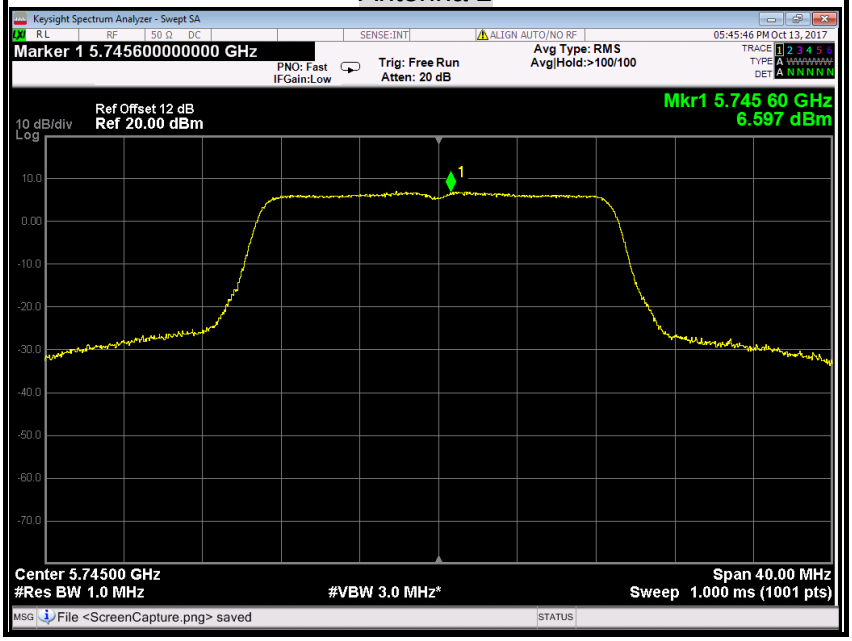
Antenna 2



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

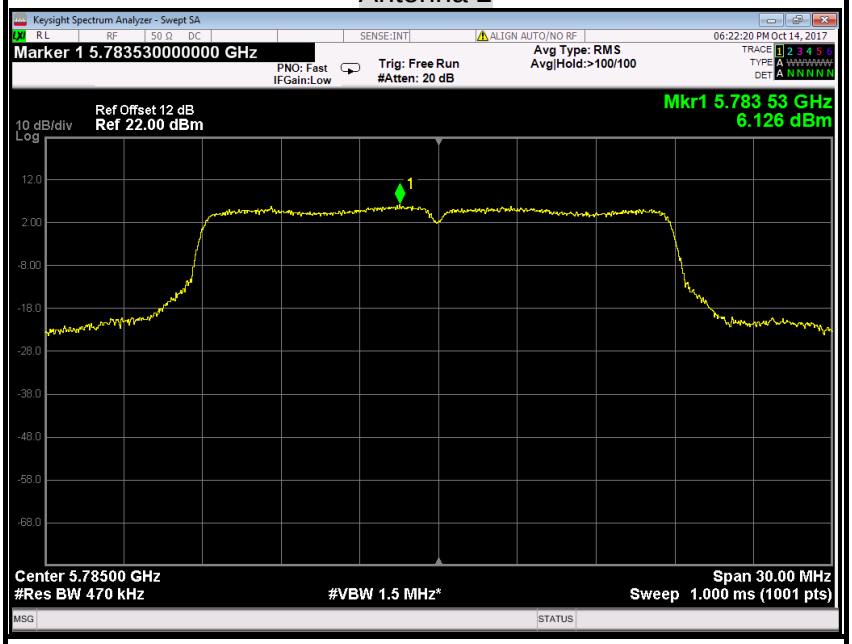
PPSD (CH Low)

Antenna 2



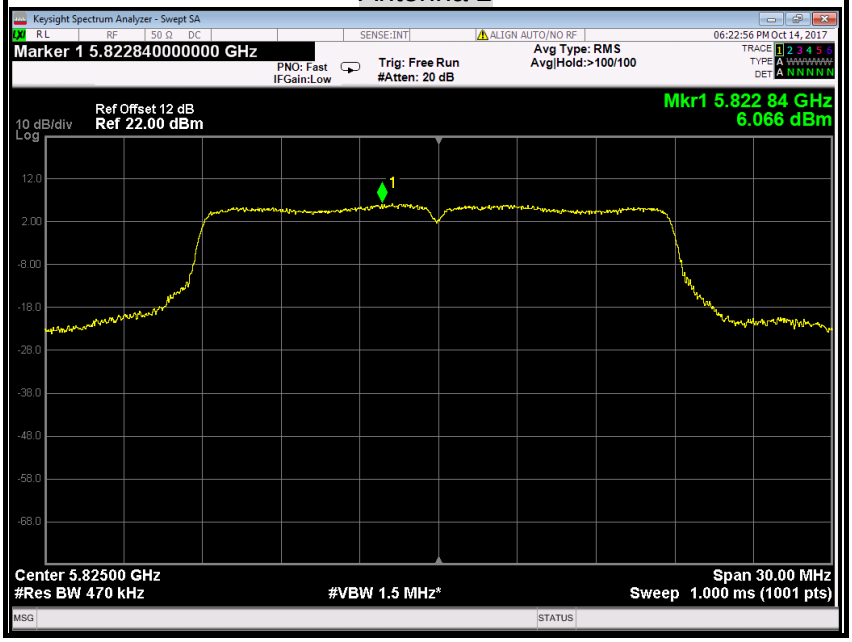
PPSD (CH Mid)

Antenna 2



PPSD (CH High)

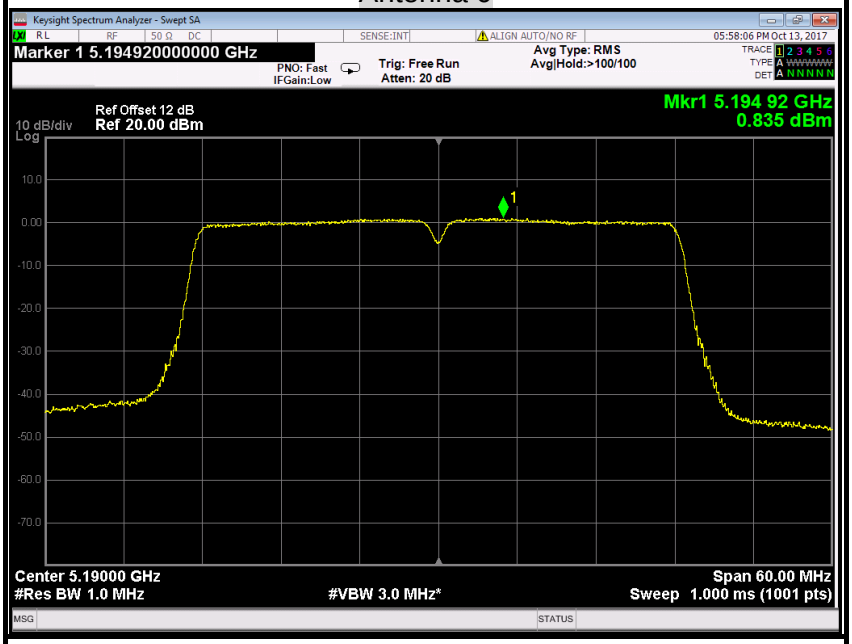
Antenna 2



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

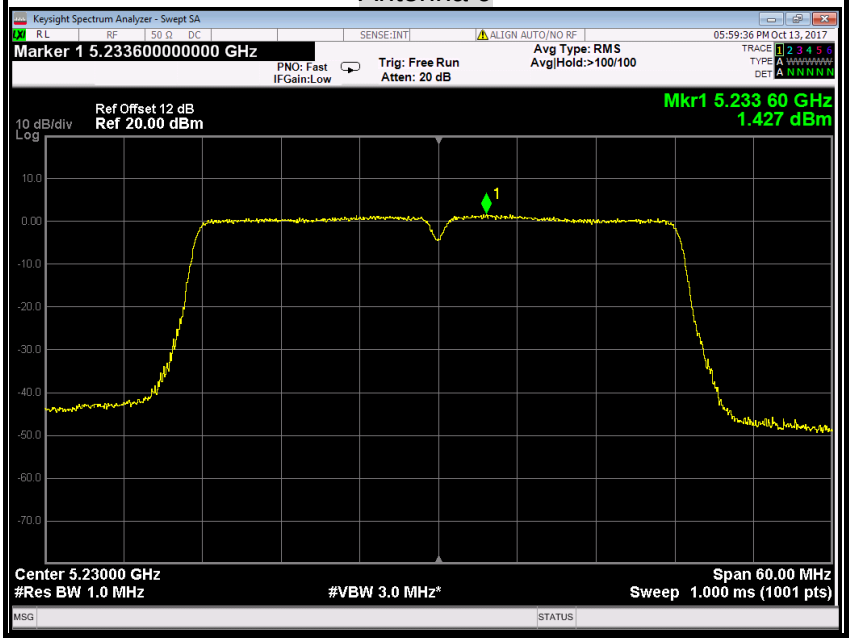
PPSD (CH Low)

Antenna 0



PPSD (CH High)

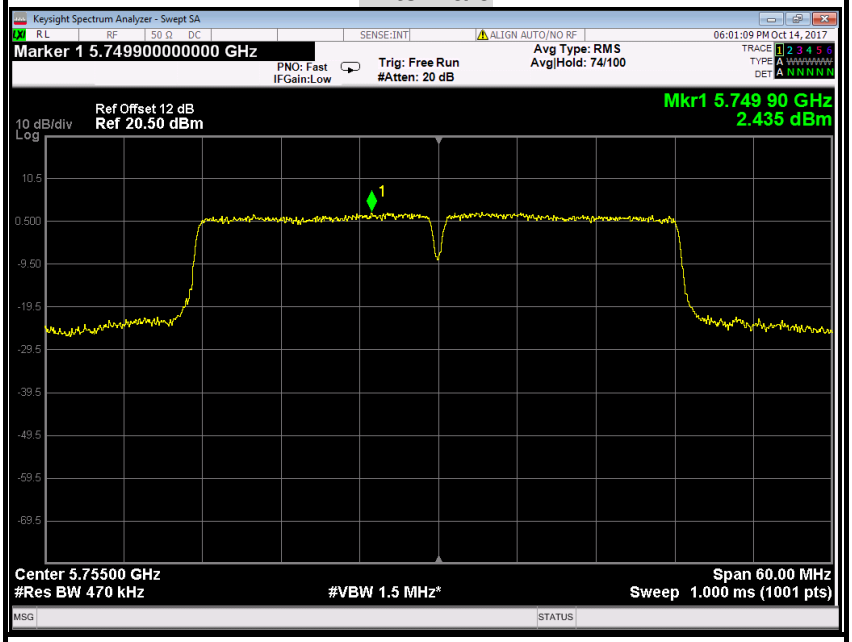
Antenna 0



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

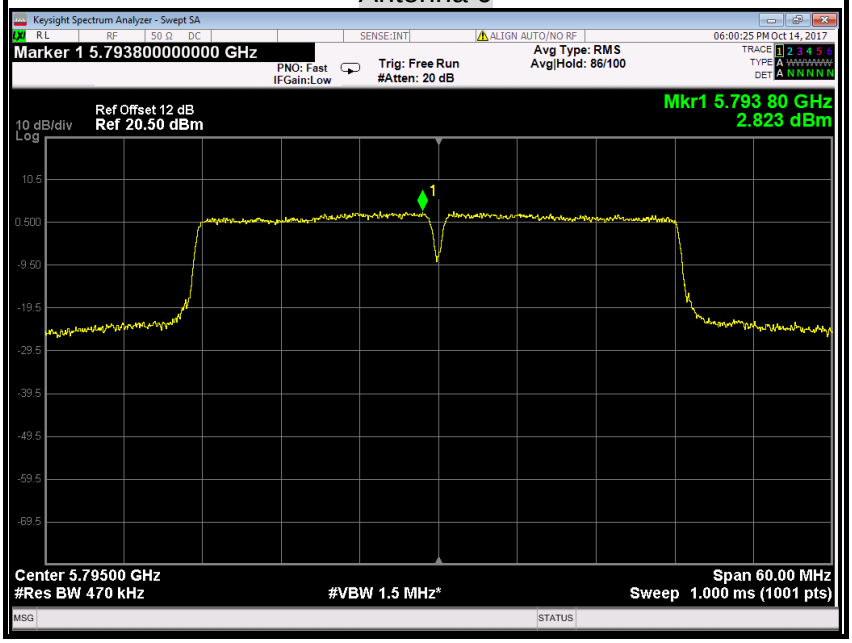
PPSD (CH Low)

Antenna 0



PPSD (CH High)

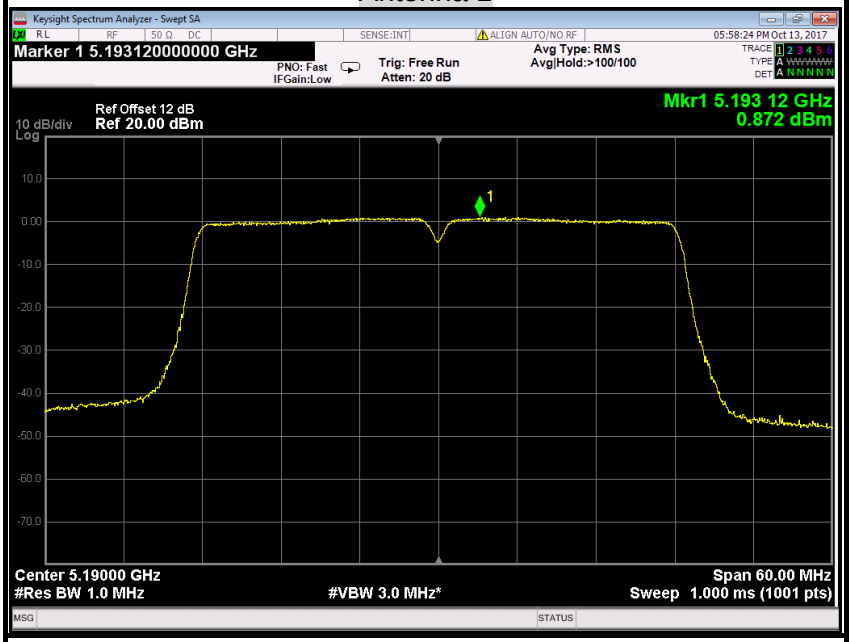
Antenna 0



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

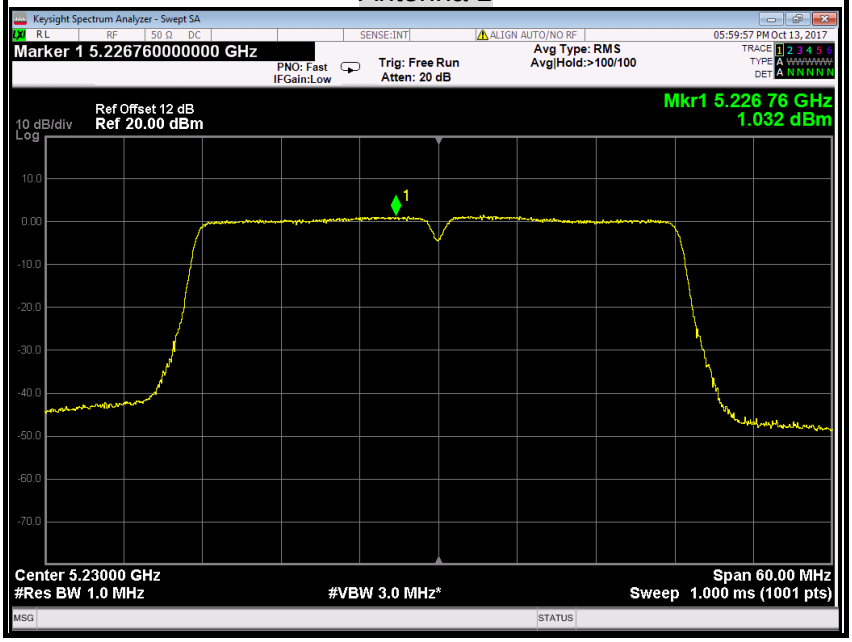
PPSD (CH Low)

Antenna 1



PPSD (CH High)

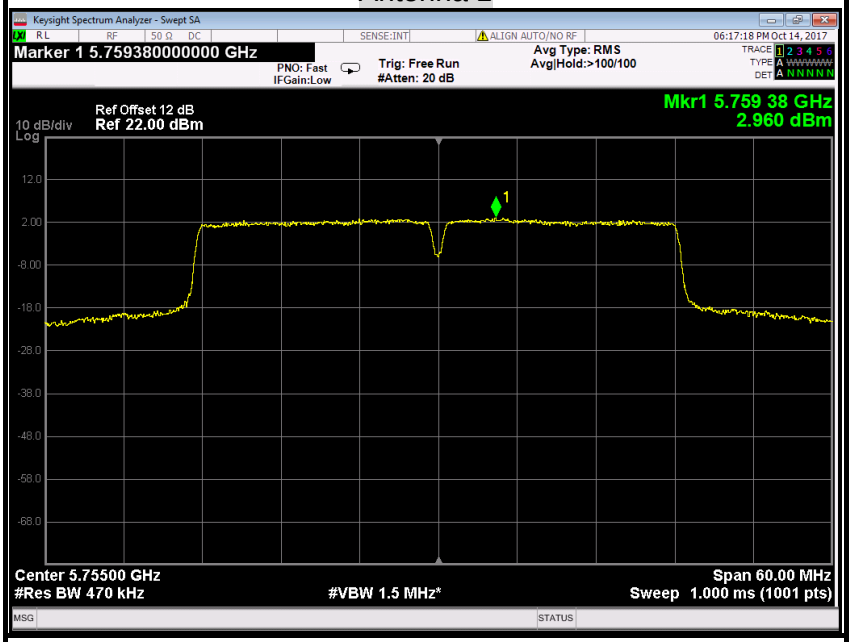
Antenna 1



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

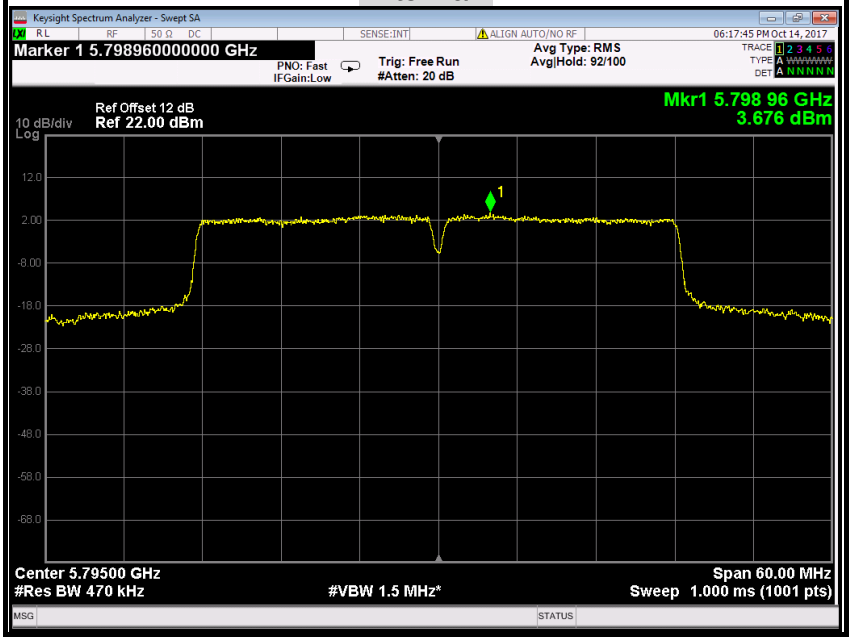
PPSD (CH Low)

Antenna 1



PPSD (CH High)

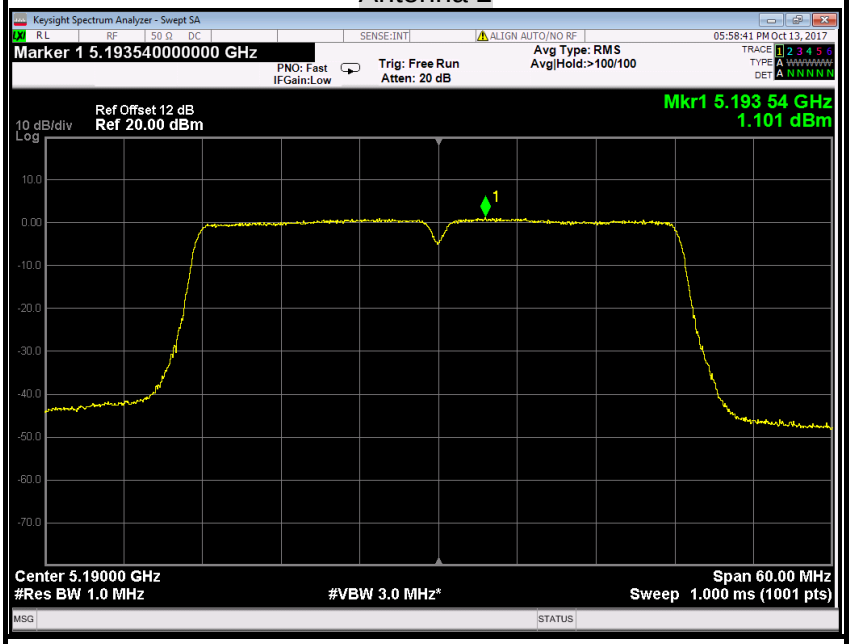
Antenna 1



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

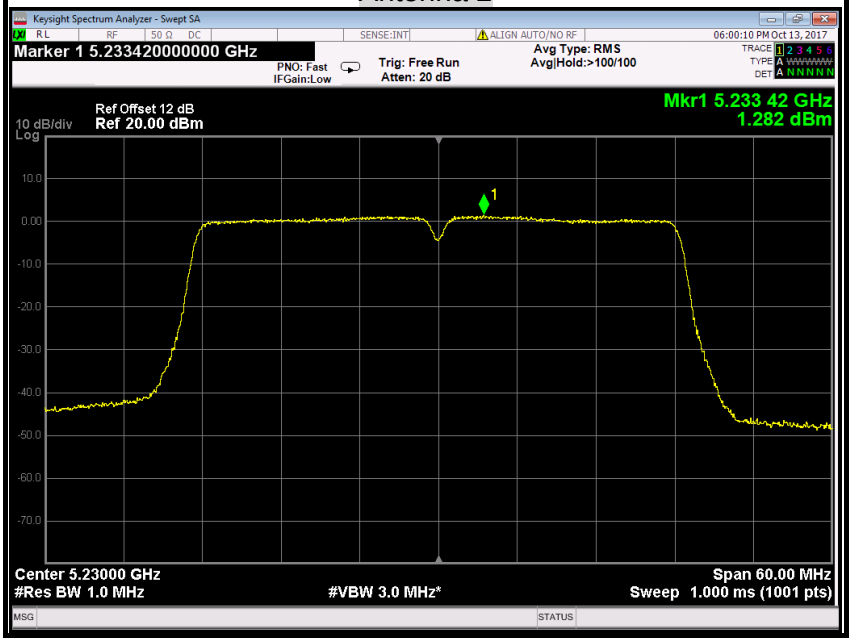
PPSD (CH Low)

Antenna 2



PPSD (CH High)

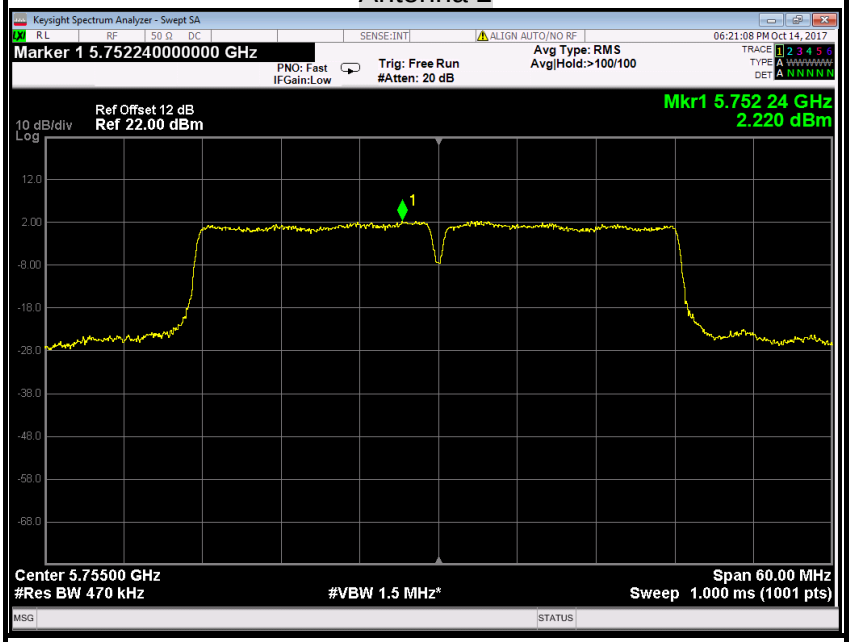
Antenna 2



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

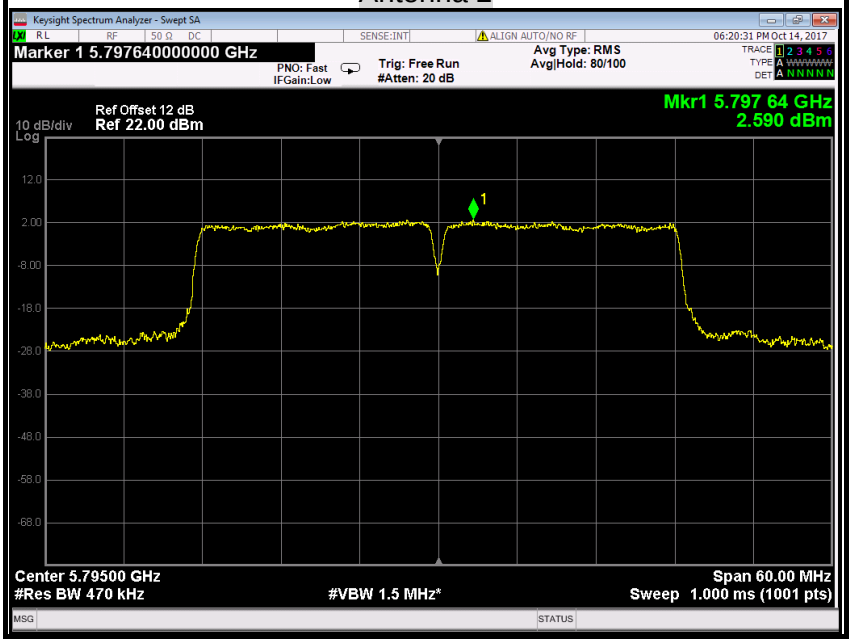
PPSD (CH Low)

Antenna 2



PPSD (CH High)

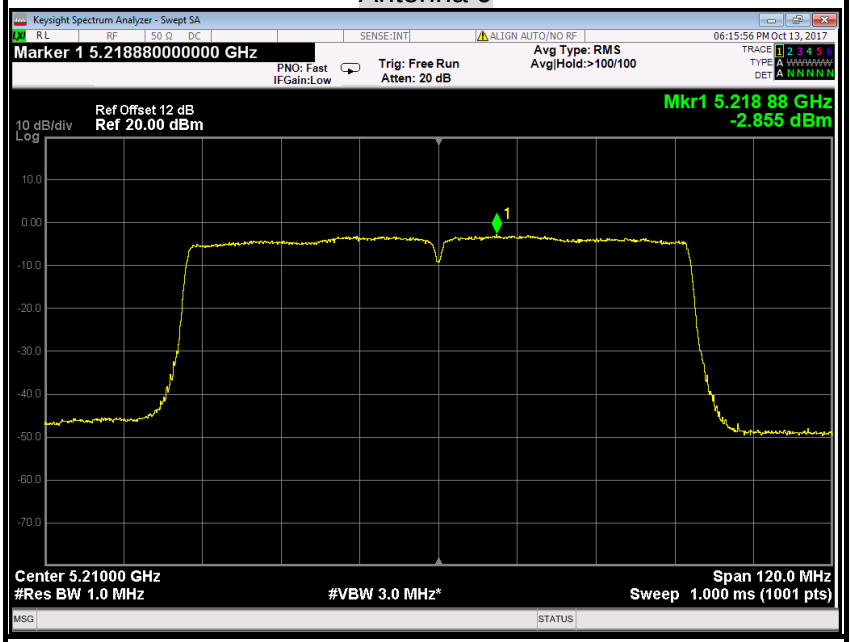
Antenna 2



IEEE 802.11ac 80 mode / 5210MHz

PPSD

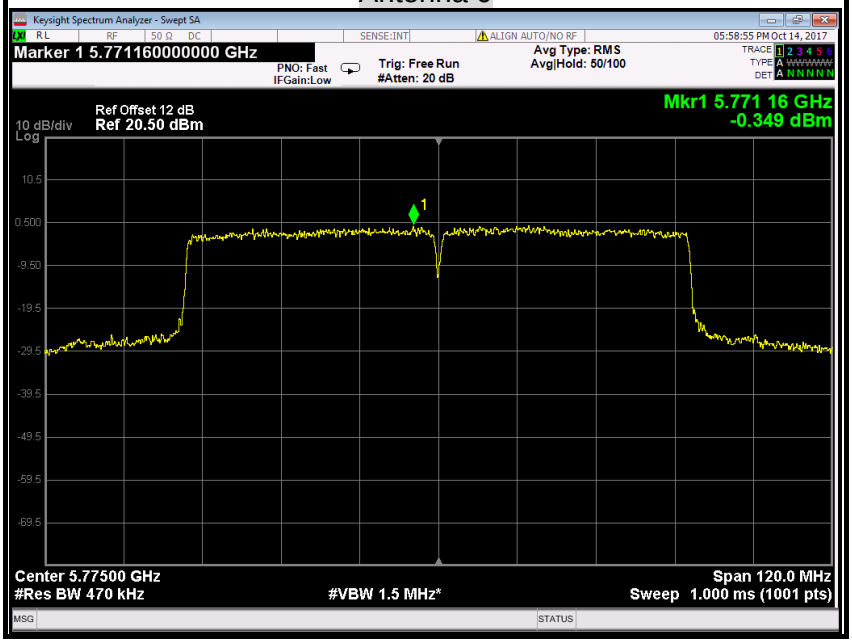
Antenna 0



IEEE 802.11ac 80 mode / 5775MHz

PPSD

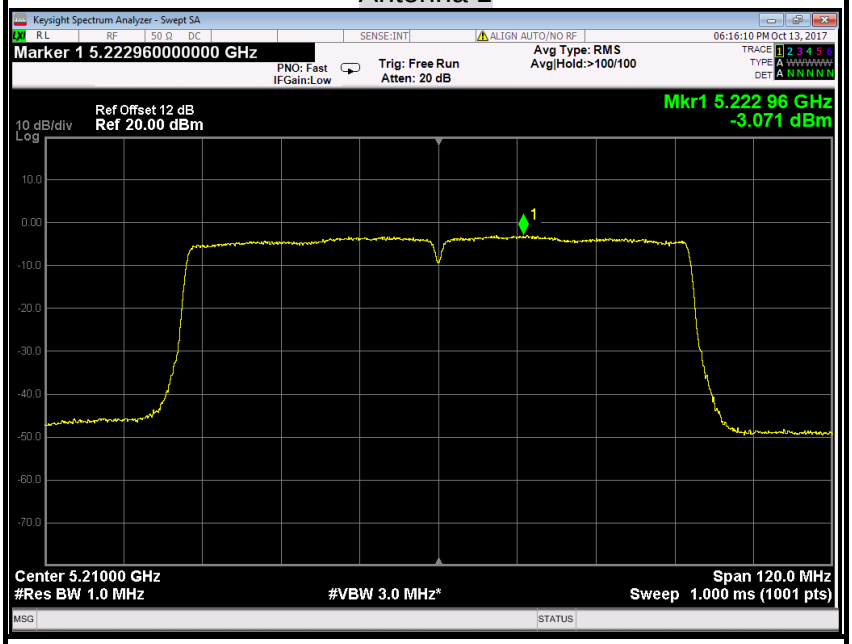
Antenna 0



IEEE 802.11ac 80 mode / 5210MHz

PPSD

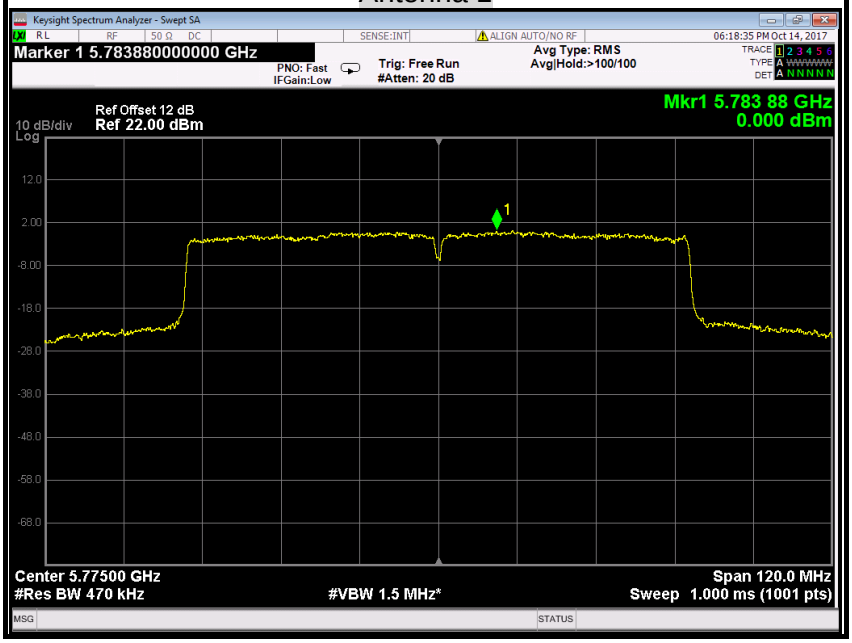
Antenna 1



IEEE 802.11ac 80 mode / 5775MHz

PPSD

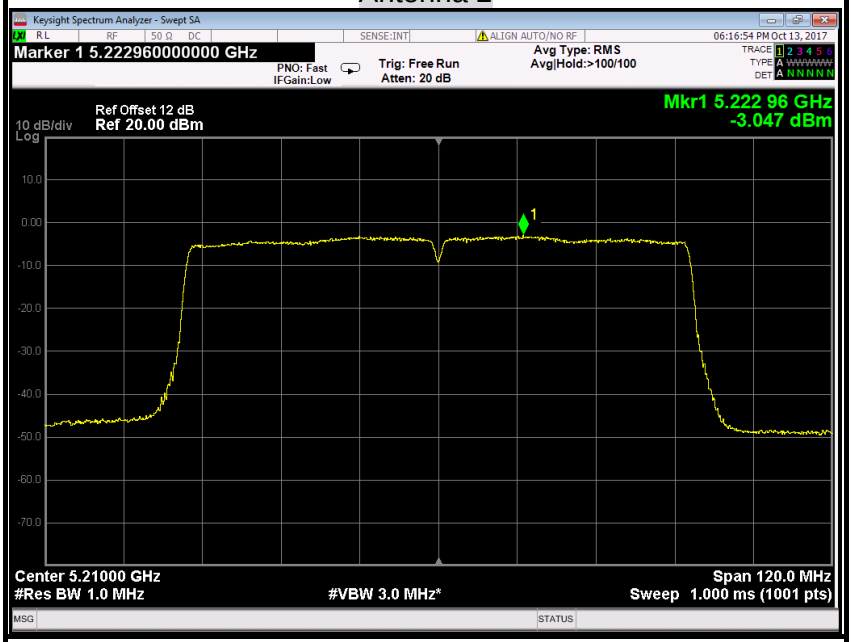
Antenna 1



IEEE 802.11ac 80 mode / 5210MHz

PPSD

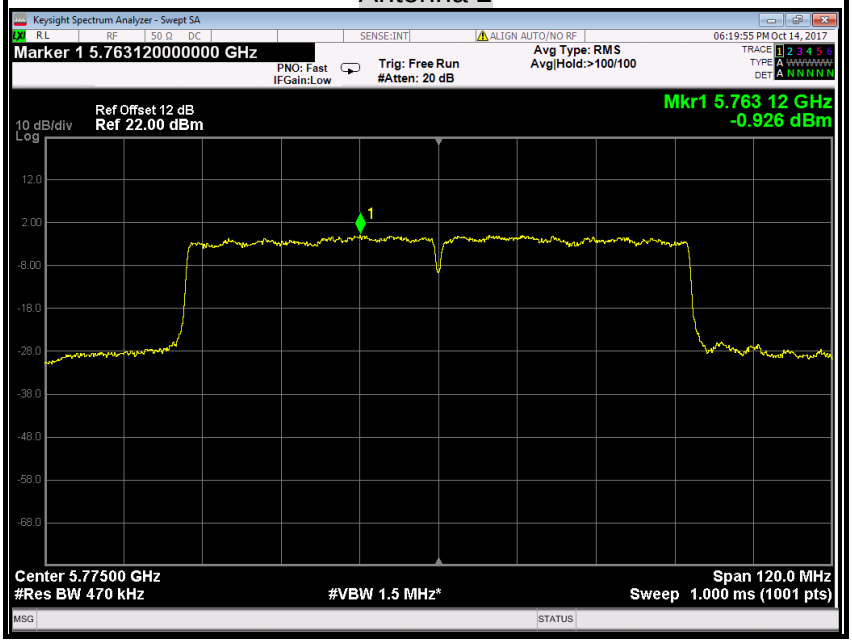
Antenna 2



IEEE 802.11ac 80 mode / 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.

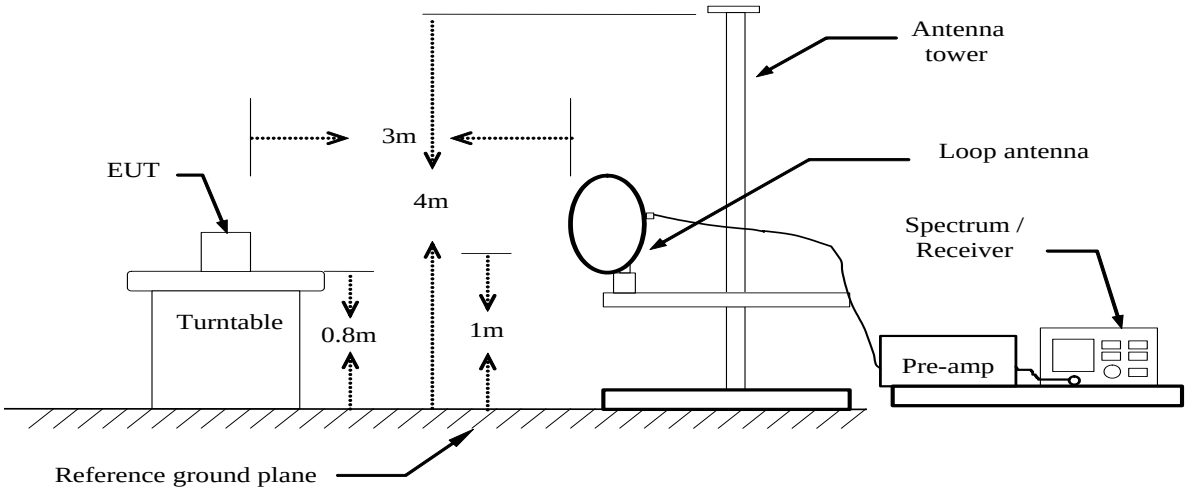
Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBμV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

6.7.2 TEST INSTRUMENTS

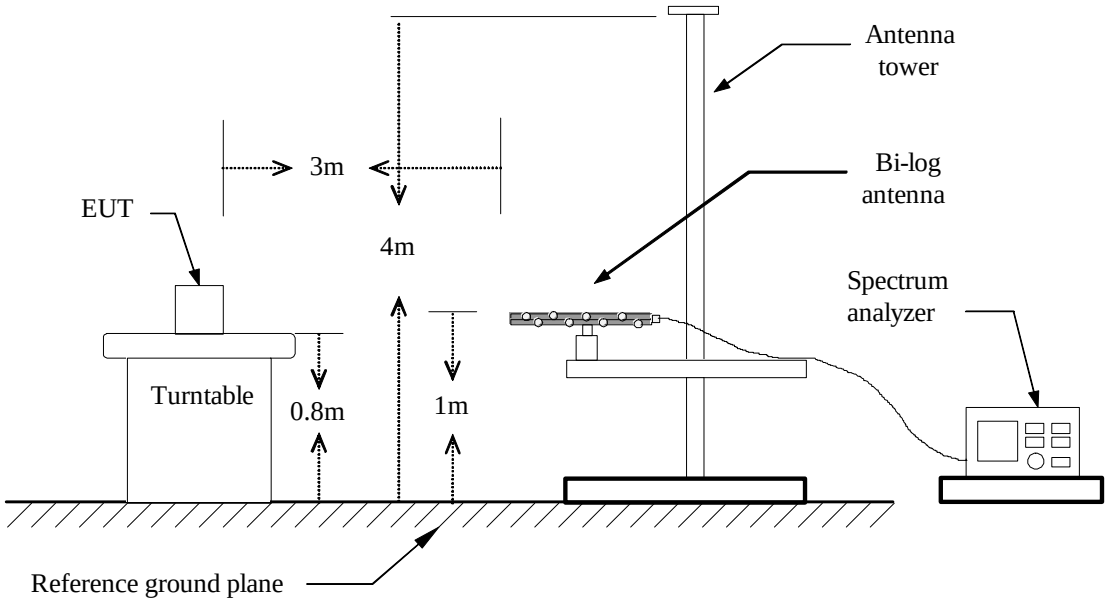
Radiated Emission Test Site 966（2）					
Name of Equipment	**Manufacturer**	**Model Number**	**Serial Number**	**Last Calibration**	**Due Calibration**
PSA Series Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2017	02/20/2018
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/21/2017	02/20/2018
Amplifier	EMEC	EM330	060661	03/18/2017	03/17/2018
High Noise Amplifier	Agilent	8449B	3008A01838	02/21/2017	02/20/2018
Loop Antenna	COM-POWER	AL-130	121044	09/25/2016	09/24/2017
Bilog Antenna	SCHAFFNER	CBL6143	5082	02/21/2017	02/20/2018
Horn Antenna	SCHWARZBECK	BBHA9120	D286	02/27/2017	02/27/2018
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170-497	02/27/2017	02/27/2018
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R
Antenna Tower	SUNOL	TLT2	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
Test S/W	FARAD	LZ-RF / CCS-SZ-3A2			

6.7.3 TEST CONFIGURATION

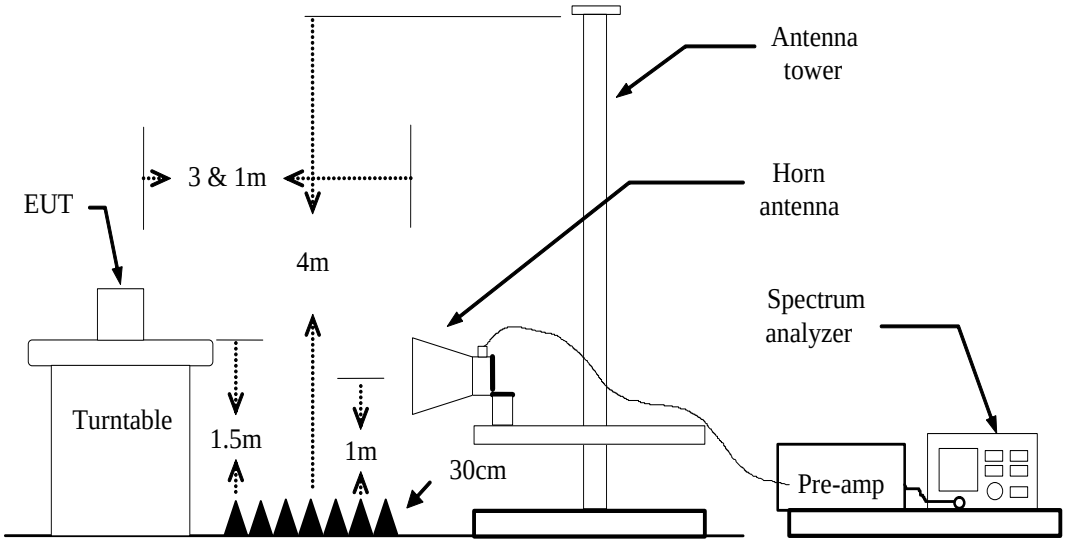
Below 30MHz



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 / 1/T for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/T 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:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** June 21, 2017

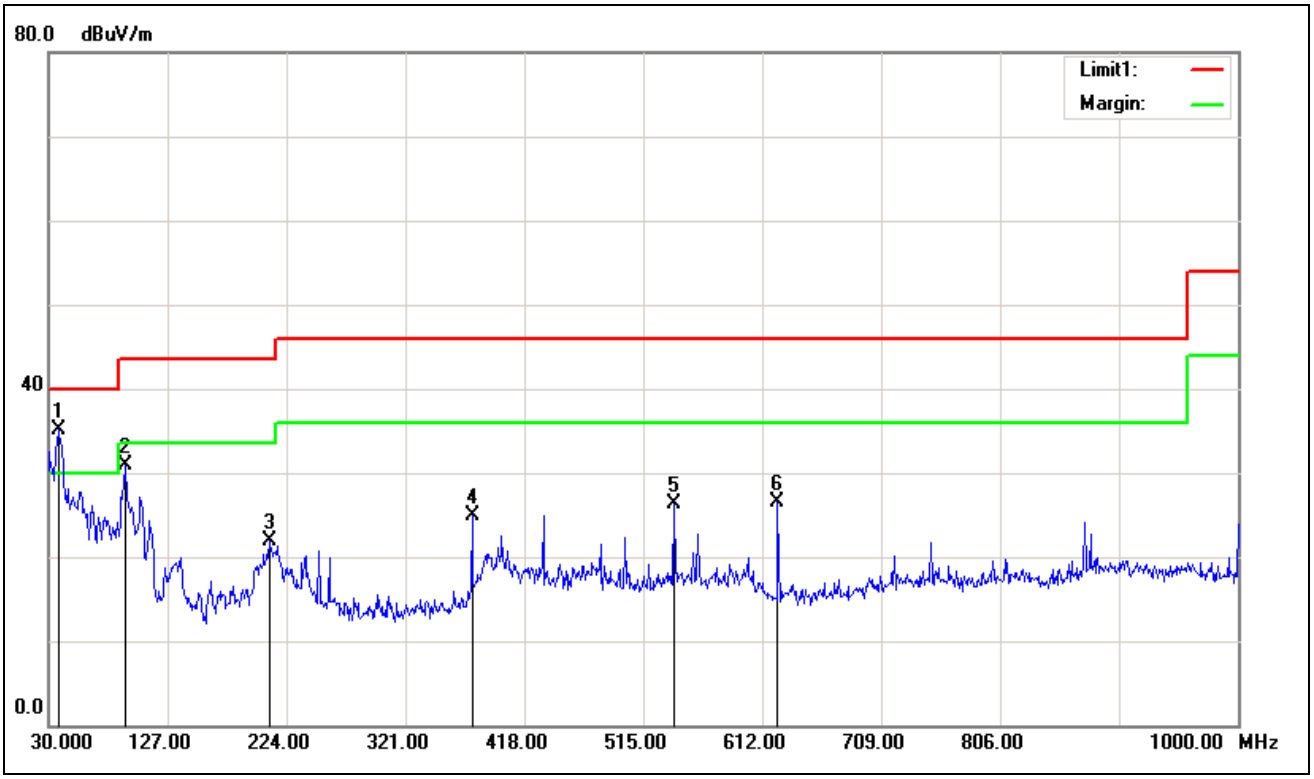
Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
34.8500	45.03	-14.50	30.53	40.00	-9.47	V	QP
94.9900	51.96	-24.21	27.75	43.50	-15.75	V	QP
250.1900	49.35	-21.06	28.29	46.00	-17.71	V	QP
279.2900	45.56	-20.40	25.16	46.00	-20.84	V	QP
500.4500	46.12	-14.35	31.77	46.00	-14.23	V	QP
624.6100	41.67	-12.73	28.94	46.00	-17.06	V	QP
135.7300	42.49	-21.04	21.45	43.50	-22.05	H	QP
307.4200	40.48	-19.28	21.20	46.00	-24.80	H	QP
500.4500	35.32	-14.35	20.97	46.00	-25.03	H	QP
600.3600	33.36	-12.86	20.50	46.00	-25.50	H	QP
872.9300	39.09	-10.20	28.89	46.00	-17.11	H	QP
941.8000	42.37	-9.80	32.57	46.00	-13.43	H	QP

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

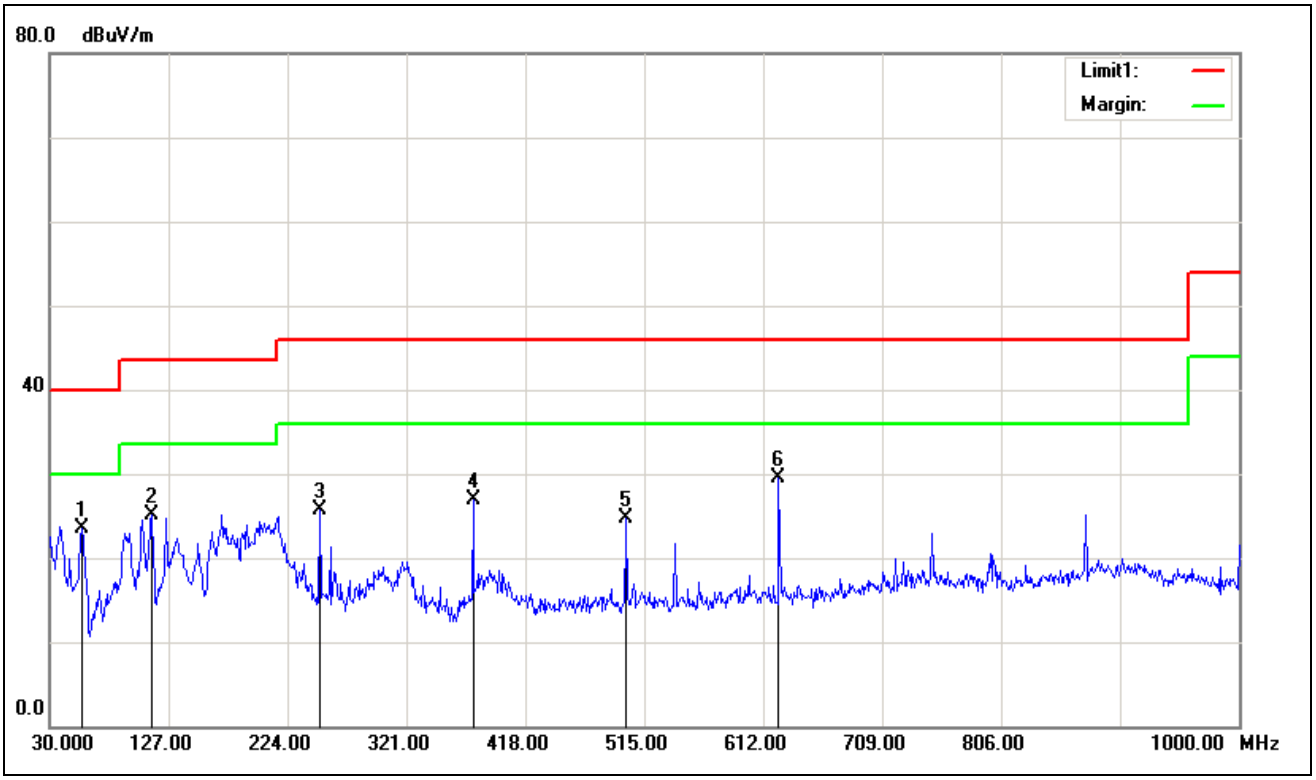
Remark:

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 6GHz

Antenna 0

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7392.000	33.44	8.46	41.90	74.00	-32.10	V	peak
8136.000	32.24	9.58	41.82	74.00	-32.18	V	peak
9660.000	31.07	11.00	42.07	74.00	-31.93	V	peak
10524.000	30.34	13.60	43.94	74.00	-30.06	V	peak
11172.000	31.78	15.00	46.78	74.00	-27.22	V	peak
13140.000	29.27	18.32	47.59	74.00	-26.41	V	peak
7992.000	31.51	9.63	41.14	74.00	-32.86	H	Peak
8400.000	32.41	9.43	41.84	74.00	-32.16	H	Peak
10176.000	30.77	12.53	43.30	74.00	-30.70	H	Peak
11196.000	31.56	14.99	46.55	74.00	-27.45	H	peak
11568.000	30.85	14.83	45.68	74.00	-28.32	H	peak
13260.000	29.35	18.63	47.98	74.00	-26.02	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:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
8160.000	31.85	9.56	41.41	74.00	-32.59	V	peak
9912.000	30.95	11.73	42.68	74.00	-31.32	V	peak
10296.000	31.14	12.90	44.04	74.00	-29.96	V	peak
11136.000	31.44	15.02	46.46	74.00	-27.54	V	peak
12648.000	30.34	16.78	47.12	74.00	-26.88	V	peak
13284.000	29.38	18.70	48.08	74.00	-25.92	V	peak
7236.000	39.86	8.16	48.02	74.00	-25.98	H	Peak
8004.000	31.96	9.65	41.61	74.00	-32.39	H	Peak
9828.000	30.89	11.48	42.37	74.00	-31.63	H	Peak
10740.000	30.65	14.27	44.92	74.00	-29.08	H	peak
11316.000	31.58	14.94	46.52	74.00	-27.48	H	peak
13092.000	29.56	18.19	47.75	74.00	-26.25	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:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7236.000	34.19	8.16	42.35	74.00	-31.65	V	peak
8364.000	32.33	9.45	41.78	74.00	-32.22	V	peak
11148.000	31.61	15.01	46.62	74.00	-27.38	V	peak
12360.000	30.12	15.83	45.95	74.00	-28.05	V	peak
13212.000	29.49	18.51	48.00	74.00	-26.00	V	peak
13752.000	30.82	19.93	50.75	74.00	-23.25	V	peak
7236.000	33.97	8.16	42.13	74.00	-31.87	H	Peak
8352.000	32.12	9.46	41.58	74.00	-32.42	H	Peak
10116.000	30.51	12.34	42.85	74.00	-31.15	H	Peak
11148.000	31.47	15.01	46.48	74.00	-27.52	H	peak
12696.000	30.21	16.94	47.15	74.00	-26.85	H	peak
13296.000	29.21	18.73	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 / 5745MHz /(CH Low) **Tested by:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7380.000	35.99	8.44	44.43	74.00	-29.57	V	peak
9336.000	32.12	10.07	42.19	74.00	-31.81	V	peak
10728.000	31.27	14.24	45.51	74.00	-28.49	V	peak
11484.000	34.11	14.87	48.98	74.00	-25.02	V	peak
12420.000	30.39	16.03	46.42	74.00	-27.58	V	peak
13164.000	29.67	18.38	48.05	74.00	-25.95	V	peak
7380.000	34.49	8.44	42.93	74.00	-31.07	H	Peak
8328.000	32.34	9.47	41.81	74.00	-32.19	H	Peak
9684.000	31.70	11.07	42.77	74.00	-31.23	H	Peak
10128.000	31.51	12.38	43.89	74.00	-30.11	H	peak
11496.000	36.30	14.86	51.16	74.00	-22.84	H	peak
13248.000	29.12	18.60	47.72	74.00	-26.28	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:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7380.000	35.33	8.44	43.77	74.00	-30.23	V	peak
8340.000	32.57	9.46	42.03	74.00	-31.97	V	peak
10224.000	30.75	12.67	43.42	74.00	-30.58	V	peak
11484.000	33.91	14.87	48.78	74.00	-25.22	V	peak
12360.000	29.80	15.83	45.63	74.00	-28.37	V	peak
13236.000	29.47	18.57	48.04	74.00	-25.96	V	peak
7380.000	33.01	8.44	41.45	74.00	-32.55	H	Peak
7992.000	32.49	9.63	42.12	74.00	-31.88	H	Peak
9336.000	31.17	10.07	41.24	74.00	-32.76	H	Peak
11136.000	32.48	15.02	47.50	74.00	-26.50	H	peak
11484.000	35.55	14.87	50.42	74.00	-23.58	H	peak
13272.000	29.97	18.67	48.64	74.00	-25.36	H	peak

Remark:

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

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6312.000	38.42	6.59	45.01	74.00	-28.99	V	peak
7968.000	32.26	9.59	41.85	74.00	-32.15	V	peak
8964.000	32.21	9.12	41.33	74.00	-32.67	V	peak
10692.000	31.11	14.13	45.24	74.00	-28.76	V	peak
11652.000	34.69	14.79	49.48	74.00	-24.52	V	peak
13164.000	29.56	18.38	47.94	74.00	-26.06	V	peak
7308.000	35.77	8.30	44.07	74.00	-29.93	H	Peak
8304.000	32.60	9.48	42.08	74.00	-31.92	H	Peak
9312.000	31.58	10.00	41.58	74.00	-32.42	H	Peak
10704.000	31.03	14.16	45.19	74.00	-28.81	H	peak
11652.000	37.03	14.79	51.82	74.00	-22.18	H	peak
13212.000	29.22	18.51	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).

Antenna 1

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6840.000	32.34	7.44	39.78	74.00	-34.22	V	peak
8160.000	32.63	9.56	42.19	74.00	-31.81	V	peak
9432.000	31.70	10.34	42.04	74.00	-31.96	V	peak
10308.000	30.60	12.93	43.53	74.00	-30.47	V	peak
11508.000	31.89	14.86	46.75	74.00	-27.25	V	peak
13284.000	29.65	18.70	48.35	74.00	-25.65	V	peak
6912.000	35.23	7.56	42.79	74.00	-31.21	H	Peak
7380.000	34.49	8.44	42.93	74.00	-31.07	H	Peak
9420.000	32.22	10.31	42.53	74.00	-31.47	H	Peak
11184.000	32.07	15.00	47.07	74.00	-26.93	H	peak
12576.000	29.80	16.55	46.35	74.00	-27.65	H	peak
13272.000	29.17	18.67	47.84	74.00	-26.16	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:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7680.000	32.71	9.03	41.74	74.00	-32.26	V	peak
9432.000	32.00	10.34	42.34	74.00	-31.66	V	peak
10080.000	31.90	12.23	44.13	74.00	-29.87	V	peak
11208.000	31.76	14.99	46.75	74.00	-27.25	V	peak
12612.000	30.19	16.67	46.86	74.00	-27.14	V	peak
13356.000	29.44	18.89	48.33	74.00	-25.67	V	peak
6936.000	35.87	7.60	43.47	74.00	-30.53	H	Peak
8112.000	32.38	9.59	41.97	74.00	-32.03	H	Peak
9564.000	31.31	10.72	42.03	74.00	-31.97	H	Peak
11136.000	31.99	15.02	47.01	74.00	-26.99	H	peak
11556.000	31.53	14.84	46.37	74.00	-27.63	H	peak
13212.000	28.95	18.51	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 802.11a / 5240MHz /(CH High) **Tested by:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7392.000	33.07	8.46	41.53	74.00	-32.47	V	peak
8340.000	32.92	9.46	42.38	74.00	-31.62	V	peak
9444.000	31.97	10.38	42.35	74.00	-31.65	V	peak
10080.000	31.54	12.23	43.77	74.00	-30.23	V	peak
11304.000	31.85	14.95	46.80	74.00	-27.20	V	peak
13272.000	29.02	18.67	47.69	74.00	-26.31	V	peak
6984.000	34.85	7.67	42.52	74.00	-31.48	H	Peak
7896.000	32.64	9.45	42.09	74.00	-31.91	H	Peak
9444.000	31.92	10.38	42.30	74.00	-31.70	H	Peak
11172.000	31.78	15.00	46.78	74.00	-27.22	H	peak
12600.000	29.98	16.63	46.61	74.00	-27.39	H	peak
13236.000	29.77	18.57	48.34	74.00	-25.66	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:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7380.000	33.55	8.44	41.99	74.00	-32.01	V	peak
8040.000	32.38	9.63	42.01	74.00	-31.99	V	peak
8616.000	31.65	9.31	40.96	74.00	-33.04	V	peak
10068.000	31.45	12.19	43.64	74.00	-30.36	V	peak
11160.000	31.65	15.01	46.66	74.00	-27.34	V	peak
12648.000	29.92	16.78	46.70	74.00	-27.30	V	peak
7380.000	33.88	8.44	42.32	74.00	-31.68	H	Peak
8148.000	32.17	9.57	41.74	74.00	-32.26	H	Peak
9420.000	31.37	10.31	41.68	74.00	-32.32	H	Peak
10572.000	31.36	13.75	45.11	74.00	-28.89	H	peak
11400.000	32.54	14.90	47.44	74.00	-26.56	H	peak
13248.000	29.29	18.60	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).

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7308.000	38.01	8.30	46.31	74.00	-27.69	V	peak
8136.000	32.38	9.58	41.96	74.00	-32.04	V	peak
9420.000	31.57	10.31	41.88	74.00	-32.12	V	peak
10068.000	31.53	12.19	43.72	74.00	-30.28	V	peak
11172.000	31.47	15.00	46.47	74.00	-27.53	V	peak
12624.000	30.03	16.71	46.74	74.00	-27.26	V	peak
6264.000	36.95	6.51	43.46	74.00	-30.54	H	Peak
7380.000	34.21	8.44	42.65	74.00	-31.35	H	Peak
8124.000	32.14	9.58	41.72	74.00	-32.28	H	Peak
9324.000	31.94	10.03	41.97	74.00	-32.03	H	peak
11568.000	33.96	14.83	48.79	74.00	-25.21	H	peak
13320.000	29.27	18.79	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 / 5825MHz /(CH High) **Tested by:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
8004.000	32.47	9.65	42.12	74.00	-31.88	V	peak
9348.000	31.86	10.10	41.96	74.00	-32.04	V	peak
10608.000	30.83	13.86	44.69	74.00	-29.31	V	peak
11136.000	31.96	15.02	46.98	74.00	-27.02	V	peak
11568.000	32.51	14.83	47.34	74.00	-26.66	V	peak
13212.000	29.32	18.51	47.83	74.00	-26.17	V	peak
6264.000	36.63	6.51	43.14	74.00	-30.86	H	Peak
7308.000	35.98	8.30	44.28	74.00	-29.72	H	Peak
8016.000	32.35	9.64	41.99	74.00	-32.01	H	Peak
9828.000	31.18	11.48	42.66	74.00	-31.34	H	peak
11568.000	34.56	14.83	49.39	74.00	-24.61	H	peak
13236.000	29.21	18.57	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).

Antenna 2

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7308.000	34.86	8.30	43.16	74.00	-30.84	V	peak
8136.000	32.46	9.58	42.04	74.00	-31.96	V	peak
10116.000	31.47	12.34	43.81	74.00	-30.19	V	peak
11280.000	31.62	14.96	46.58	74.00	-27.42	V	peak
12576.000	30.23	16.55	46.78	74.00	-27.22	V	peak
13416.000	28.70	19.04	47.74	74.00	-26.26	V	peak
7308.000	35.58	8.30	43.88	74.00	-30.12	H	Peak
8028.000	32.56	9.63	42.19	74.00	-31.81	H	Peak
10104.000	31.08	12.30	43.38	74.00	-30.62	H	Peak
11148.000	31.44	15.01	46.45	74.00	-27.55	H	peak
12552.000	30.31	16.47	46.78	74.00	-27.22	H	peak
13356.000	29.16	18.89	48.05	74.00	-25.95	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:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7308.000	37.22	8.30	45.52	74.00	-28.48	V	peak
7968.000	32.35	9.59	41.94	74.00	-32.06	V	peak
9960.000	30.97	11.86	42.83	74.00	-31.17	V	peak
11160.000	31.93	15.01	46.94	74.00	-27.06	V	peak
12396.000	30.03	15.95	45.98	74.00	-28.02	V	peak
13224.000	29.51	18.54	48.05	74.00	-25.95	V	peak
7308.000	34.68	8.30	42.98	74.00	-31.02	H	Peak
7980.000	32.24	9.61	41.85	74.00	-32.15	H	Peak
10104.000	31.53	12.30	43.83	74.00	-30.17	H	Peak
10740.000	30.82	14.27	45.09	74.00	-28.91	H	peak
11268.000	31.47	14.96	46.43	74.00	-27.57	H	peak
13380.000	28.76	18.95	47.71	74.00	-26.29	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 / 5240MHz /(CH High) **Tested by:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7236.000	35.79	8.16	43.95	74.00	-30.05	V	peak
8388.000	32.33	9.44	41.77	74.00	-32.23	V	peak
9984.000	31.42	11.93	43.35	74.00	-30.65	V	peak
11160.000	31.60	15.01	46.61	74.00	-27.39	V	peak
12564.000	30.00	16.51	46.51	74.00	-27.49	V	peak
13464.000	28.61	19.17	47.78	74.00	-26.22	V	peak
7308.000	35.69	8.30	43.99	74.00	-30.01	H	Peak
9732.000	30.71	11.21	41.92	74.00	-32.08	H	Peak
10476.000	30.80	13.46	44.26	74.00	-29.74	H	Peak
11268.000	31.66	14.96	46.62	74.00	-27.38	H	peak
12588.000	29.96	16.59	46.55	74.00	-27.45	H	peak
13200.000	29.47	18.48	47.95	74.00	-26.05	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).

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7236.000	34.45	8.16	42.61	74.00	-31.39	V	peak
7932.000	32.19	9.52	41.71	74.00	-32.29	V	peak
9840.000	30.92	11.52	42.44	74.00	-31.56	V	peak
11496.000	32.87	14.86	47.73	74.00	-26.27	V	peak
12588.000	30.40	16.59	46.99	74.00	-27.01	V	peak
13368.000	28.77	18.92	47.69	74.00	-26.31	V	peak
7236.000	39.10	8.16	47.26	74.00	-26.74	H	Peak
8328.000	32.48	9.47	41.95	74.00	-32.05	H	Peak
9828.000	31.16	11.48	42.64	74.00	-31.36	H	Peak
10680.000	30.94	14.09	45.03	74.00	-28.97	H	peak
11484.000	36.05	14.87	50.92	74.00	-23.08	H	peak
13128.000	29.18	18.29	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 802.11a / 5785MHz /(CH Mid) **Tested by:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7236.000	37.79	8.16	45.95	74.00	-28.05	V	peak
8088.000	32.54	9.60	42.14	74.00	-31.86	V	peak
10128.000	30.70	12.38	43.08	74.00	-30.92	V	peak
10704.000	30.66	14.16	44.82	74.00	-29.18	V	peak
11568.000	32.58	14.83	47.41	74.00	-26.59	V	peak
12996.000	29.42	17.94	47.36	74.00	-26.64	V	peak
7236.000	36.91	8.16	45.07	74.00	-28.93	H	Peak
8112.000	32.06	9.59	41.65	74.00	-32.35	H	Peak
9840.000	30.72	11.52	42.24	74.00	-31.76	H	Peak
11136.000	31.92	15.02	46.94	74.00	-27.06	H	peak
11568.000	34.72	14.83	49.55	74.00	-24.45	H	peak
13188.000	28.96	18.44	47.40	74.00	-26.60	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:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7380.000	34.46	8.44	42.90	74.00	-31.10	V	peak
8124.000	32.41	9.58	41.99	74.00	-32.01	V	peak
10560.000	30.26	13.72	43.98	74.00	-30.02	V	peak
11136.000	31.36	15.02	46.38	74.00	-27.62	V	peak
11652.000	32.42	14.79	47.21	74.00	-26.79	V	peak
13308.000	29.13	18.76	47.89	74.00	-26.11	V	peak
7380.000	33.74	8.44	42.18	74.00	-31.82	H	Peak
8112.000	32.34	9.59	41.93	74.00	-32.07	H	Peak
9336.000	31.16	10.07	41.23	74.00	-32.77	H	Peak
10260.000	30.14	12.79	42.93	74.00	-31.07	H	peak
11652.000	37.02	14.79	51.81	54.00	-2.19	H	peak
13212.000	29.36	18.51	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).

Combine with Antenna 0 and Antenna 1 and Antenna 2

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

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7392.000	35.07	8.46	43.53	74.00	-30.47	V	peak
8052.000	32.48	9.62	42.10	74.00	-31.90	V	peak
9396.000	31.47	10.24	41.71	74.00	-32.29	V	peak
10128.000	31.00	12.38	43.38	74.00	-30.62	V	peak
11268.000	32.24	14.96	47.20	74.00	-26.80	V	peak
13032.000	29.05	18.03	47.08	74.00	-26.92	V	peak
6912.000	34.95	7.56	42.51	74.00	-31.49	H	Peak
8352.000	32.31	9.46	41.77	74.00	-32.23	H	Peak
9408.000	31.34	10.28	41.62	74.00	-32.38	H	Peak
10356.000	31.79	13.08	44.87	74.00	-29.13	H	peak
11148.000	31.45	15.01	46.46	74.00	-27.54	H	peak
13068.000	29.07	18.13	47.20	74.00	-26.80	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:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6936.000	34.68	7.60	42.28	74.00	-31.72	V	peak
8388.000	32.15	9.44	41.59	74.00	-32.41	V	peak
9888.000	30.67	11.66	42.33	74.00	-31.67	V	peak
11136.000	31.34	15.02	46.36	74.00	-27.64	V	peak
12576.000	30.05	16.55	46.60	74.00	-27.40	V	peak
13140.000	29.01	18.32	47.33	74.00	-26.67	V	peak
7380.000	33.93	8.44	42.37	74.00	-31.63	H	Peak
8076.000	32.34	9.61	41.95	74.00	-32.05	H	Peak
9648.000	30.76	10.97	41.73	74.00	-32.27	H	Peak
10788.000	30.40	14.42	44.82	74.00	-29.18	H	peak
11160.000	31.78	15.01	46.79	74.00	-27.21	H	peak
13032.000	28.97	18.03	47.00	74.00	-27.00	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 802.11n HT 20 MHz / 5240MHz /(CH High) **Tested by:** Ad Gan

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7236.000	37.94	8.16	46.10	74.00	-27.90	V	peak
8112.000	32.41	9.59	42.00	74.00	-32.00	V	peak
9924.000	30.89	11.76	42.65	74.00	-31.35	V	peak
11160.000	31.62	15.01	46.63	74.00	-27.37	V	peak
12612.000	29.98	16.67	46.65	74.00	-27.35	V	peak
13404.000	28.89	19.01	47.90	74.00	-26.10	V	peak
6984.000	34.77	7.67	42.44	74.00	-31.56	H	Peak
7968.000	32.35	9.59	41.94	74.00	-32.06	H	Peak
9360.000	31.53	10.14	41.67	74.00	-32.33	H	Peak
10860.000	30.58	14.65	45.23	74.00	-28.77	H	peak
11424.000	31.76	14.89	46.65	74.00	-27.35	H	peak
12672.000	29.88	16.86	46.74	74.00	-27.26	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).

Test Mode: TX / IEEE 802.11n HT 20 MHz / 5745MHz /(CH Low) **Tested by:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7236.000	37.73	8.16	45.89	74.00	-28.11	V	peak
8064.000	32.46	9.61	42.07	74.00	-31.93	V	peak
9912.000	30.75	11.73	42.48	74.00	-31.52	V	peak
11496.000	34.77	14.86	49.63	74.00	-24.37	V	peak
12696.000	29.93	16.94	46.87	74.00	-27.13	V	peak
13284.000	29.40	18.70	48.10	74.00	-25.90	V	peak
7236.000	35.31	8.16	43.47	74.00	-30.53	H	Peak
7920.000	32.29	9.49	41.78	74.00	-32.22	H	Peak
9324.000	31.54	10.03	41.57	74.00	-32.43	H	Peak
10860.000	30.52	14.65	45.17	74.00	-28.83	H	peak
11496.000	36.30	14.86	51.16	74.00	-22.84	H	peak
13188.000	29.90	18.44	48.34	74.00	-25.66	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:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7236.000	36.22	8.16	44.38	74.00	-29.62	V	peak
7980.000	33.11	9.61	42.72	74.00	-31.28	V	peak
10212.000	31.12	12.64	43.76	74.00	-30.24	V	peak
11136.000	31.26	15.02	46.28	74.00	-27.72	V	peak
11580.000	32.17	14.82	46.99	74.00	-27.01	V	peak
13128.000	28.90	18.29	47.19	74.00	-26.81	V	peak
7236.000	38.66	8.16	46.82	74.00	-27.18	H	Peak
8184.000	32.23	9.55	41.78	74.00	-32.22	H	Peak
10068.000	31.58	12.19	43.77	74.00	-30.23	H	Peak
11208.000	31.66	14.99	46.65	74.00	-27.35	H	peak
11568.000	35.55	14.83	50.38	74.00	-23.62	H	peak
13284.000	29.25	18.70	47.95	74.00	-26.05	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).

Test Mode: TX / IEEE 802.11n HT 20 MHz / 5825MHz /(CH High) **Tested by:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7236.000	37.99	8.16	46.15	74.00	-27.85	V	peak
8076.000	32.43	9.61	42.04	74.00	-31.96	V	peak
9924.000	31.08	11.76	42.84	74.00	-31.16	V	peak
10980.000	30.13	15.02	45.15	74.00	-28.85	V	peak
11196.000	31.58	14.99	46.57	74.00	-27.43	V	peak
13080.000	29.08	18.16	47.24	74.00	-26.76	V	peak
7236.000	38.03	8.16	46.19	74.00	-27.81	H	Peak
8064.000	32.29	9.61	41.90	74.00	-32.10	H	Peak
9816.000	30.87	11.45	42.32	74.00	-31.68	H	Peak
10728.000	31.04	14.24	45.28	74.00	-28.72	H	peak
11148.000	31.74	15.01	46.75	74.00	-27.25	H	peak
13080.000	29.43	18.16	47.59	74.00	-26.41	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).

Combine with Antenna 0 and Antenna 1 and Antenna 2

Test Mode: TX / IEEE 802.11n HT 40 MHz / 5190MHz /(CH Low) **Tested by:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7236.000	38.21	8.16	46.37	74.00	-27.63	V	peak
8124.000	32.20	9.58	41.78	74.00	-32.22	V	peak
10140.000	30.92	12.41	43.33	74.00	-30.67	V	peak
11148.000	31.29	15.01	46.30	74.00	-27.70	V	peak
12516.000	30.49	16.35	46.84	74.00	-27.16	V	peak
13224.000	29.06	18.54	47.60	74.00	-26.40	V	peak
7236.000	36.55	8.16	44.71	74.00	-29.29	H	Peak
8172.000	32.32	9.56	41.88	74.00	-32.12	H	Peak
9816.000	31.04	11.45	42.49	74.00	-31.51	H	Peak
10524.000	30.50	13.60	44.10	74.00	-29.90	H	peak
11148.000	31.42	15.01	46.43	74.00	-27.57	H	peak
13524.000	28.45	19.33	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 802.11n HT 40 MHz / 5230MHz /(CH High) **Tested by:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7380.000	34.43	8.44	42.87	74.00	-31.13	V	peak
8052.000	32.43	9.62	42.05	74.00	-31.95	V	peak
10068.000	31.11	12.19	43.30	74.00	-30.70	V	peak
10548.000	30.96	13.68	44.64	74.00	-29.36	V	peak
11136.000	31.65	15.02	46.67	74.00	-27.33	V	peak
13308.000	29.52	18.76	48.28	74.00	-25.72	V	peak
7380.000	34.92	8.44	43.36	74.00	-30.64	H	Peak
8172.000	32.32	9.56	41.88	74.00	-32.12	H	Peak
8400.000	32.52	9.43	41.95	74.00	-32.05	H	Peak
9372.000	31.63	10.17	41.80	74.00	-32.20	H	peak
11148.000	31.42	15.01	46.43	74.00	-27.57	H	peak
12612.000	30.28	16.67	46.95	74.00	-27.05	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).

Test Mode: TX / IEEE 802.11n HT 40 MHz / 5755MHz /(CH Low) **Tested by:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7956.000	32.32	9.56	41.88	74.00	-32.12	V	peak
8136.000	32.50	9.58	42.08	74.00	-31.92	V	peak
9396.000	31.07	10.24	41.31	74.00	-32.69	V	peak
10512.000	30.67	13.57	44.24	74.00	-29.76	V	peak
11376.000	31.35	14.91	46.26	74.00	-27.74	V	peak
12552.000	29.95	16.47	46.42	74.00	-27.58	V	peak
7932.000	32.51	9.52	42.03	74.00	-31.97	H	Peak
9012.000	31.52	9.13	40.65	74.00	-33.35	H	Peak
10008.000	31.22	12.00	43.22	74.00	-30.78	H	Peak
11160.000	31.82	15.01	46.83	74.00	-27.17	H	peak
12540.000	29.79	16.43	46.22	74.00	-27.78	H	peak
13092.000	29.25	18.19	47.44	74.00	-26.56	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:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7560.000	31.69	8.79	40.48	74.00	-33.52	V	peak
8100.000	32.20	9.60	41.80	74.00	-32.20	V	peak
8364.000	32.88	9.45	42.33	74.00	-31.67	V	peak
10620.000	30.96	13.90	44.86	74.00	-29.14	V	peak
11508.000	33.13	14.86	47.99	74.00	-26.01	V	peak
12636.000	29.67	16.75	46.42	74.00	-27.58	V	peak
6240.000	34.84	6.47	41.31	74.00	-32.69	H	Peak
7668.000	32.14	9.00	41.14	74.00	-32.86	H	Peak
8340.000	31.95	9.46	41.41	74.00	-32.59	H	Peak
10020.000	30.75	12.04	42.79	74.00	-31.21	H	peak
11508.000	37.69	14.86	52.55	74.00	-21.45	H	peak
13104.000	29.08	18.22	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. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Combine with Antenna 0 and Antenna 1 and Antenna 2

Test Mode: TX / IEEE 802. 11ac 80 / 5210MHz /(CH Low) **Tested by:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6948.000	34.78	7.62	42.40	74.00	-31.60	V	peak
8328.000	32.39	9.47	41.86	74.00	-32.14	V	peak
10392.000	30.23	13.20	43.43	74.00	-30.57	V	peak
11148.000	31.51	15.01	46.52	74.00	-27.48	V	peak
11304.000	31.25	14.95	46.20	74.00	-27.80	V	peak
13056.000	29.19	18.10	47.29	74.00	-26.71	V	peak
6948.000	34.50	7.62	42.12	74.00	-31.88	H	Peak
7380.000	32.82	8.44	41.26	74.00	-32.74	H	Peak
7908.000	32.36	9.47	41.83	74.00	-32.17	H	Peak
9024.000	31.80	9.17	40.97	74.00	-33.03	H	peak
11208.000	31.67	14.99	46.66	74.00	-27.34	H	peak
12540.000	30.09	16.43	46.52	74.00	-27.48	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 / 5775MHz **Tested by:** Darrry Wu

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** September 30, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
8016.000	32.10	9.64	41.74	74.00	-32.26	V	peak
8988.000	31.94	9.11	41.05	74.00	-32.95	V	peak
10044.000	30.24	12.12	42.36	74.00	-31.64	V	peak
10704.000	30.62	14.16	44.78	74.00	-29.22	V	peak
11508.000	33.02	14.86	47.88	74.00	-26.12	V	peak
13332.000	28.90	18.82	47.72	74.00	-26.28	V	peak
7704.000	32.34	9.07	41.41	74.00	-32.59	H	Peak
8364.000	32.68	9.45	42.13	74.00	-31.87	H	Peak
10284.000	30.07	12.86	42.93	74.00	-31.07	H	Peak
11508.000	37.49	14.86	52.35	74.00	-21.65	H	peak
12564.000	30.04	16.51	46.55	74.00	-27.45	H	peak
13260.000	29.23	18.63	47.86	74.00	-26.14	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).

6.8 CONDUCTED UNDESIRABLE EMISSION

6.8.1 LIMIT

According to 15.407(b),

(1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

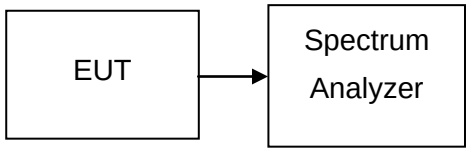
(3) The provisions of §15.205 apply to intentional radiators operating under this section.

6.8.2 MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2017	02/20/2018

Remark: *Each piece of equipment is scheduled for calibration once a year.*

6.8.3 TEST CONFIGURATION



6.8.4 TEST PROCEDURE

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 1MHz. The video bandwidth is set to 3MHz. Peak detection measurements are compared to the average EIRP limit, adjusted for the maximum antenna gain. If necessary, additional average detection measurements are made.

Measurements are made over the 30 MHz to 40 GHz range with the transmitter set to the lowest, middle, and highest channels.

6.8.5 TEST RESULTS

No non-compliance noted

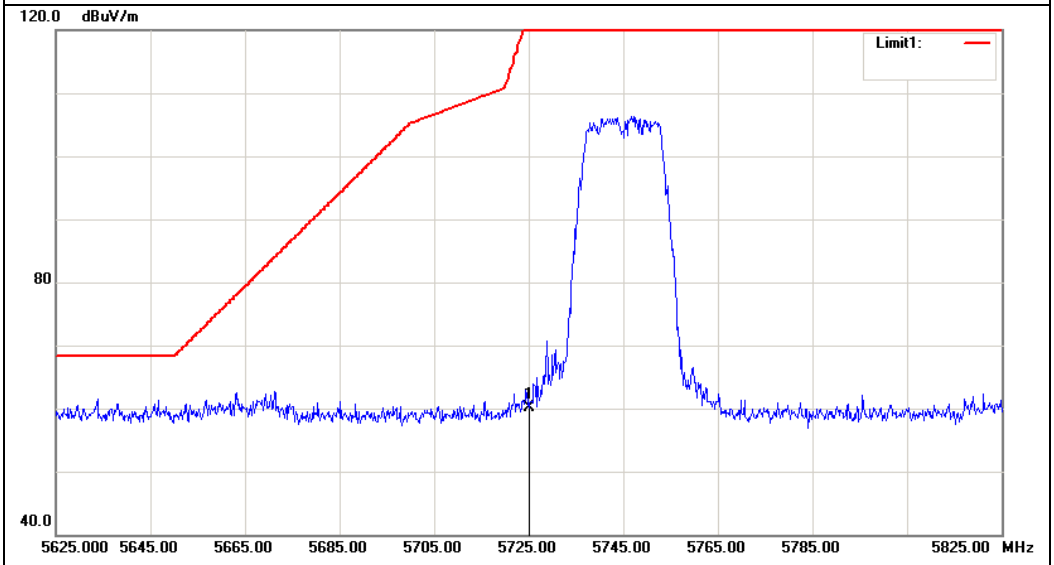
Test Plot

Antenna 0

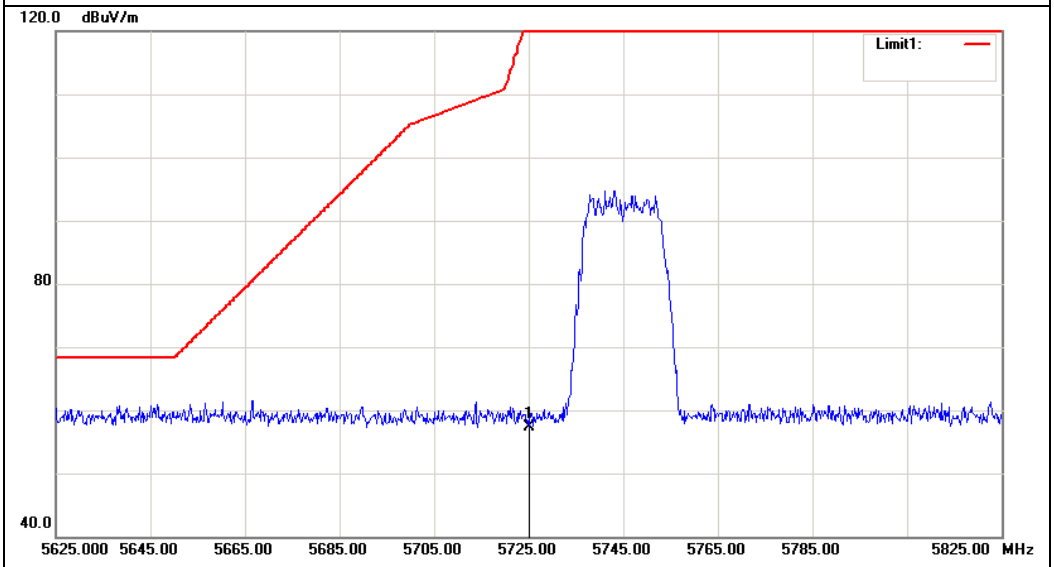
IEEE 802.11a mode / 5745 ~ 5825MHz

CH Low

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**

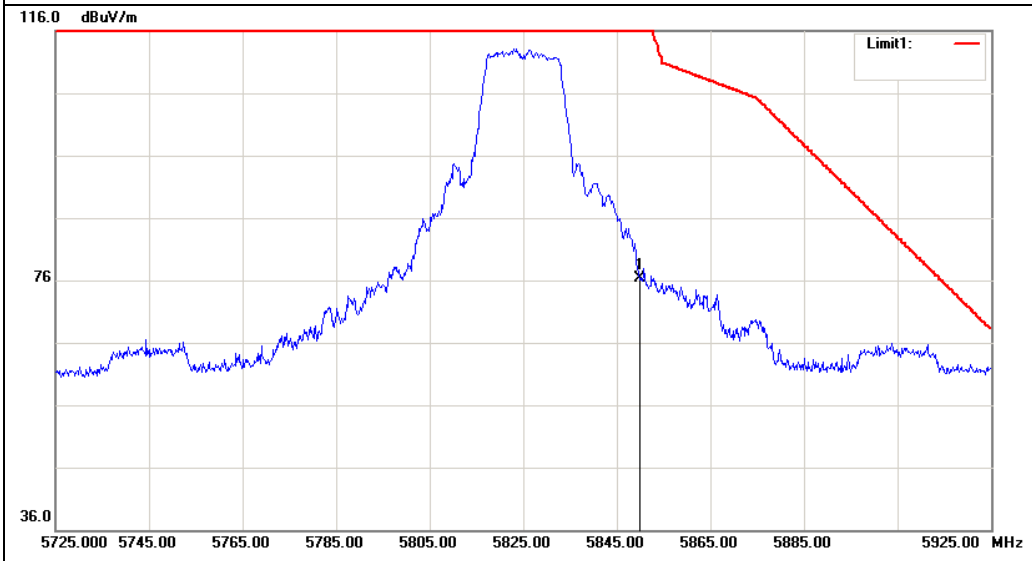


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5725.000	54.08	5.96	60.04	122.20	-62.16	Peak	Vertical
2	5725.000	51.34	5.96	57.30	122.20	-64.90	Peak	Horizontal

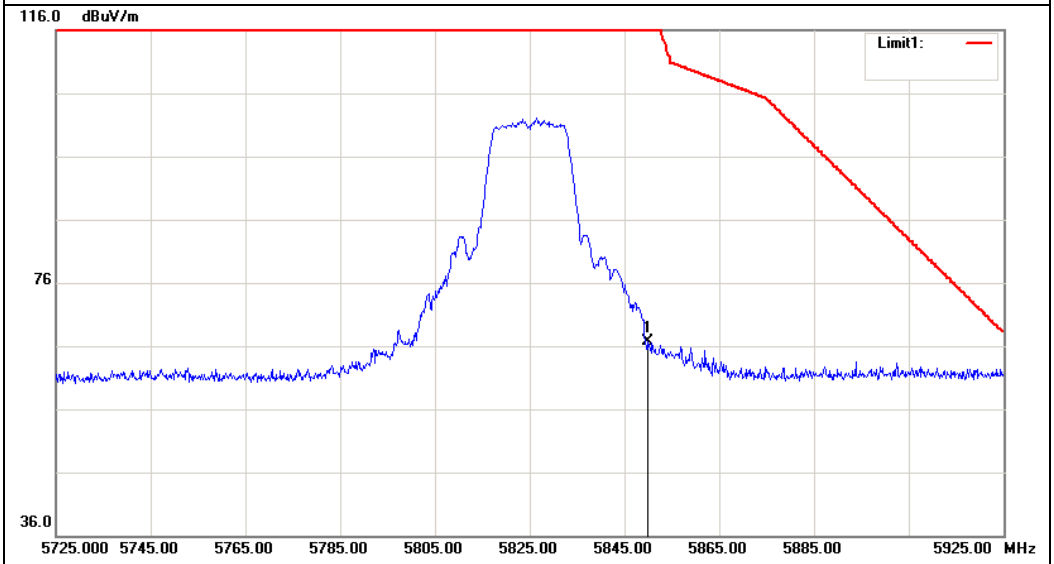
IEEE 802.11a mode / 5745 ~ 5825MHz

CH High

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**



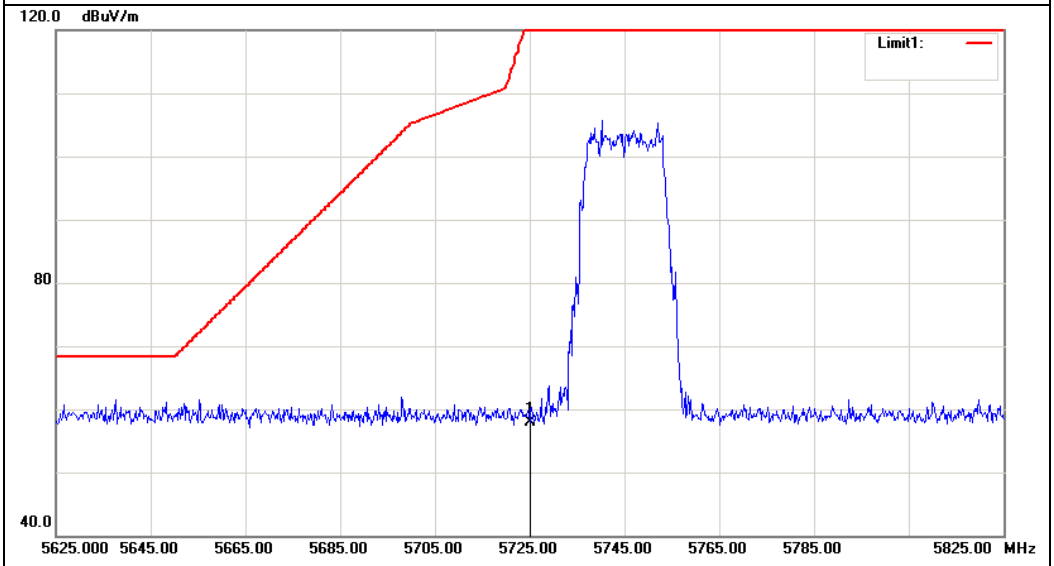
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5850.000	70.23	6.02	76.25	122.20	-45.95	Peak	Vertical
2	5850.000	60.71	6.02	66.73	122.20	-55.47	Peak	Horizontal

Antenna 1

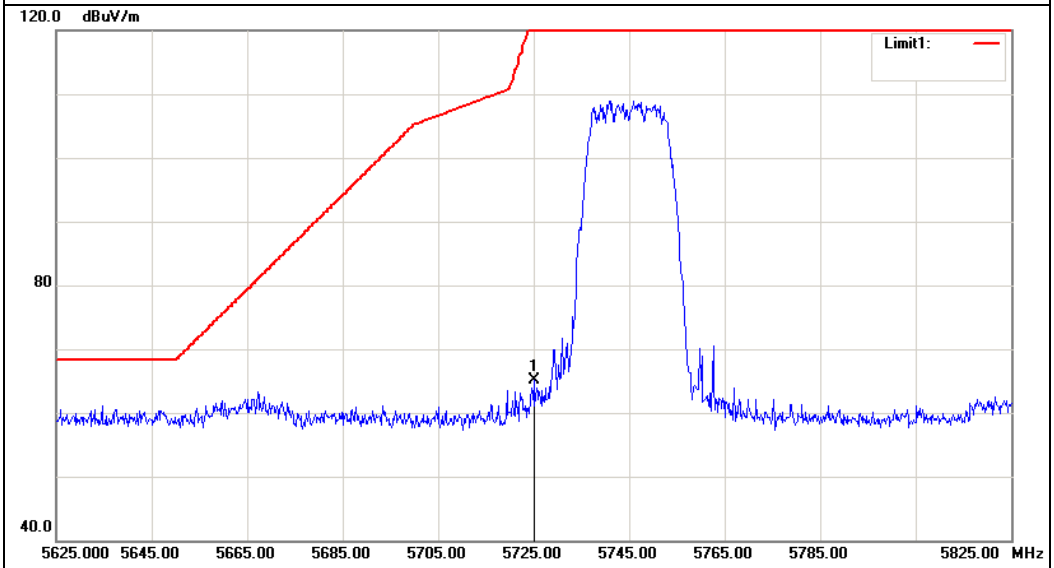
IEEE 802.11a mode / 5745 ~ 5825MHz

CH Low

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**

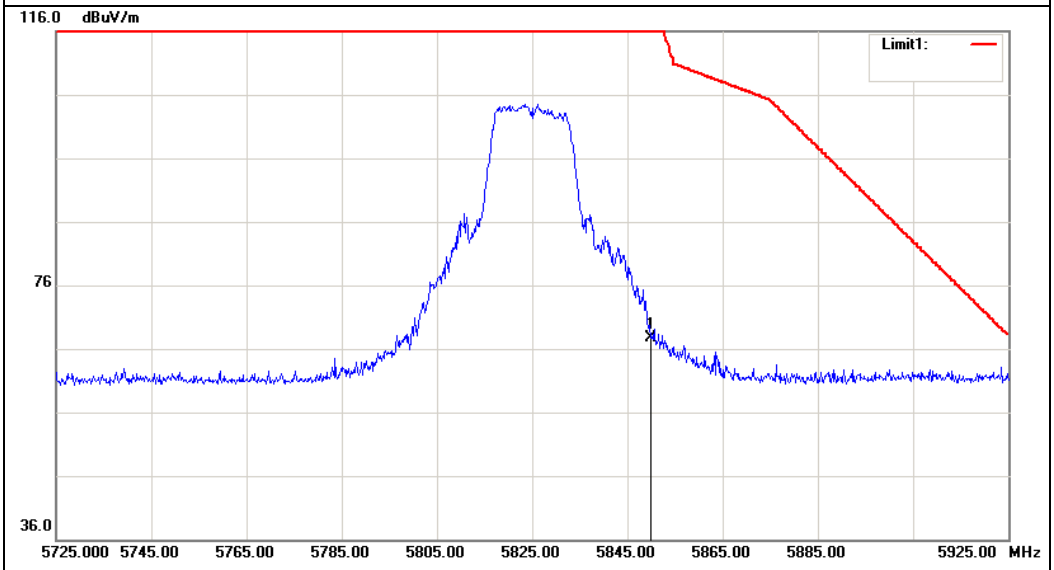


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5725.000	51.92	5.96	57.88	122.20	-64.32	Peak	Vertical
2	5725.000	59.10	5.96	65.06	122.20	-57.14	Peak	Horizontal

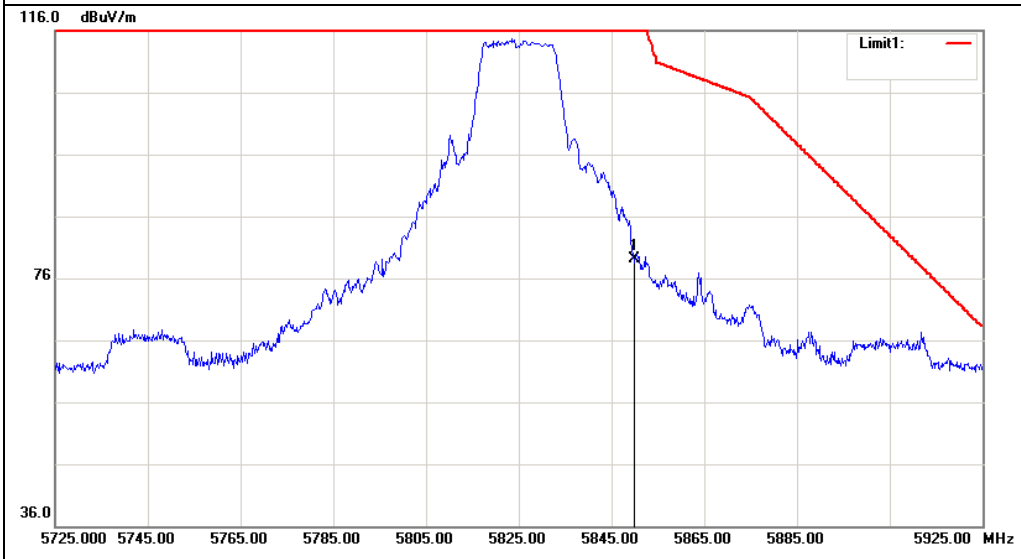
IEEE 802.11a mode / 5745 ~ 5825MHz

CH High

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**



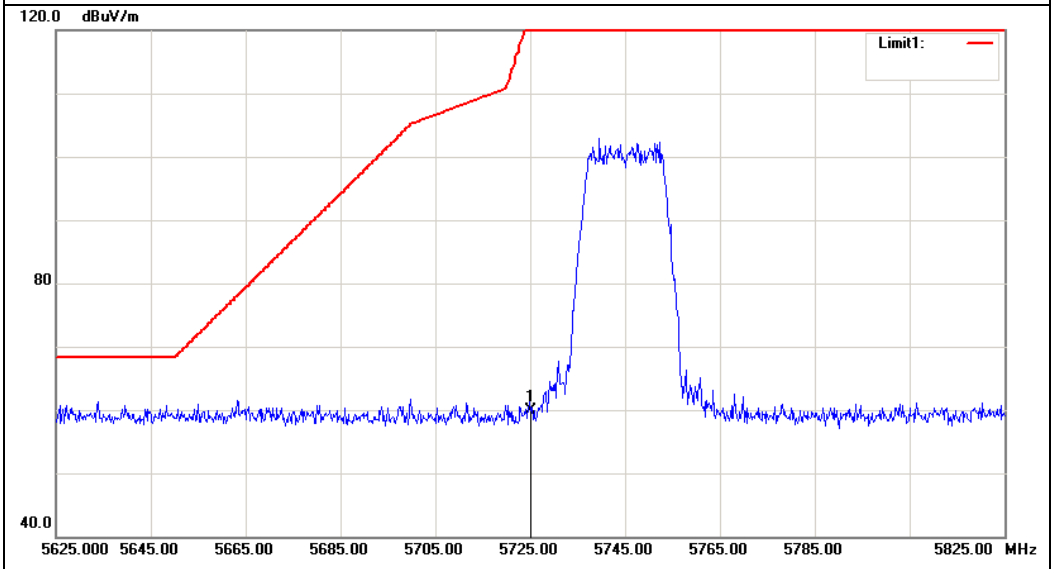
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5850.000	61.61	6.02	67.63	122.20	-54.57	Peak	Vertical
2	5850.000	73.06	6.02	79.08	122.20	-43.12	Peak	Horizontal

Antenna 2

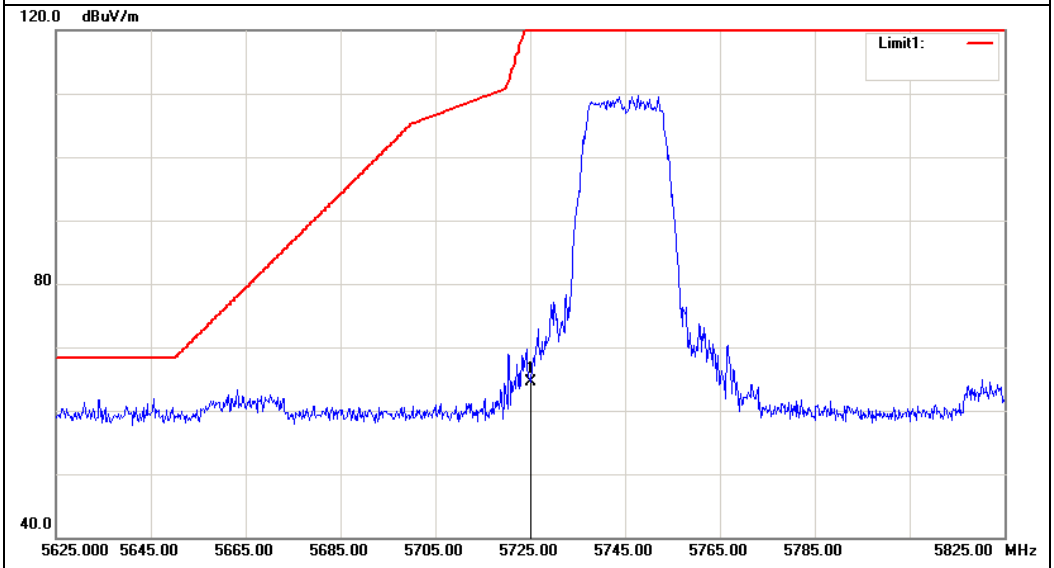
IEEE 802.11a mode / 5745 ~ 5825MHz

CH Low

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**

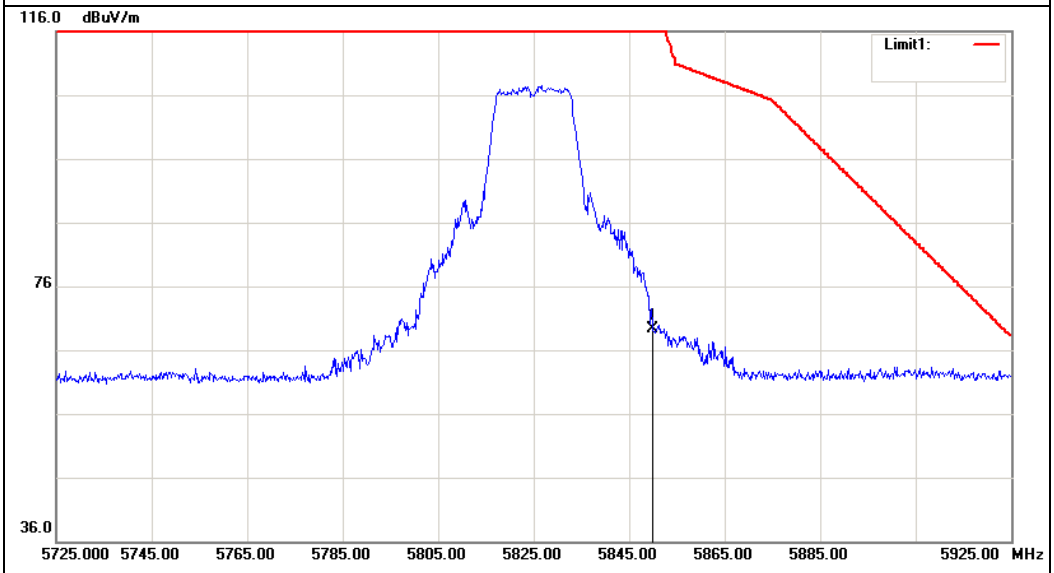


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5725.000	53.88	5.96	59.84	122.20	-62.36	Peak	Vertical
2	5725.000	58.58	5.96	64.54	122.20	-57.66	Peak	Horizontal

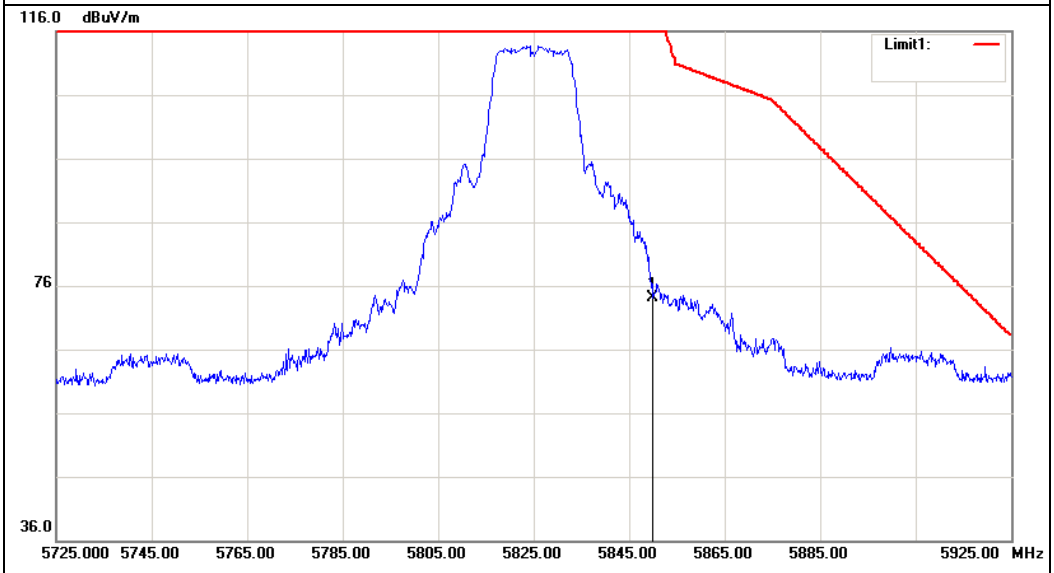
IEEE 802.11a mode / 5745 ~ 5825MHz

CH High

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**



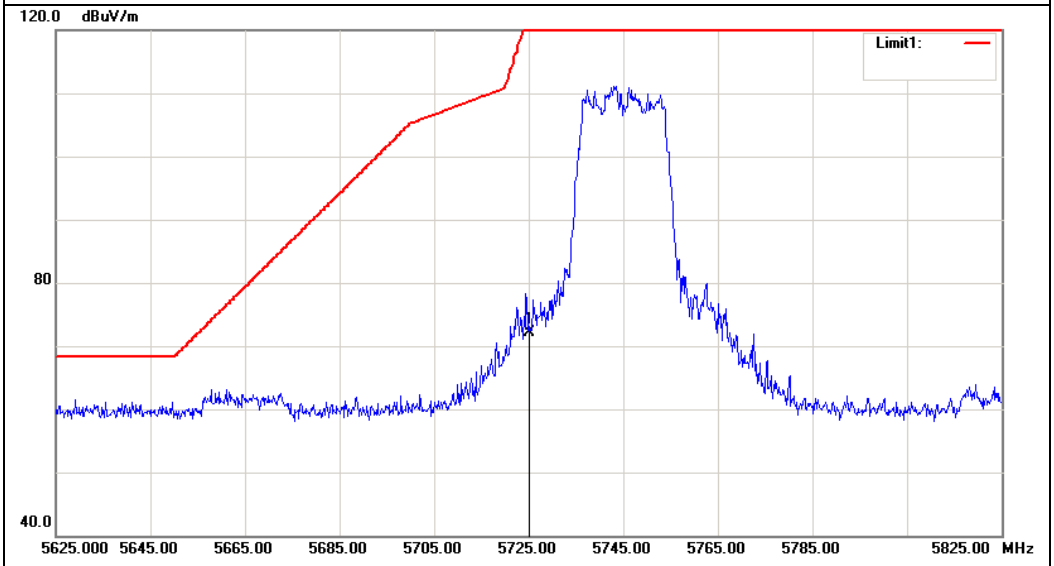
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5850.000	63.21	6.02	69.23	122.20	-52.97	Peak	Vertical
2	5850.000	68.16	6.02	74.18	122.20	-48.02	Peak	Horizontal

Combine with Antenna 0 and Antenna 1

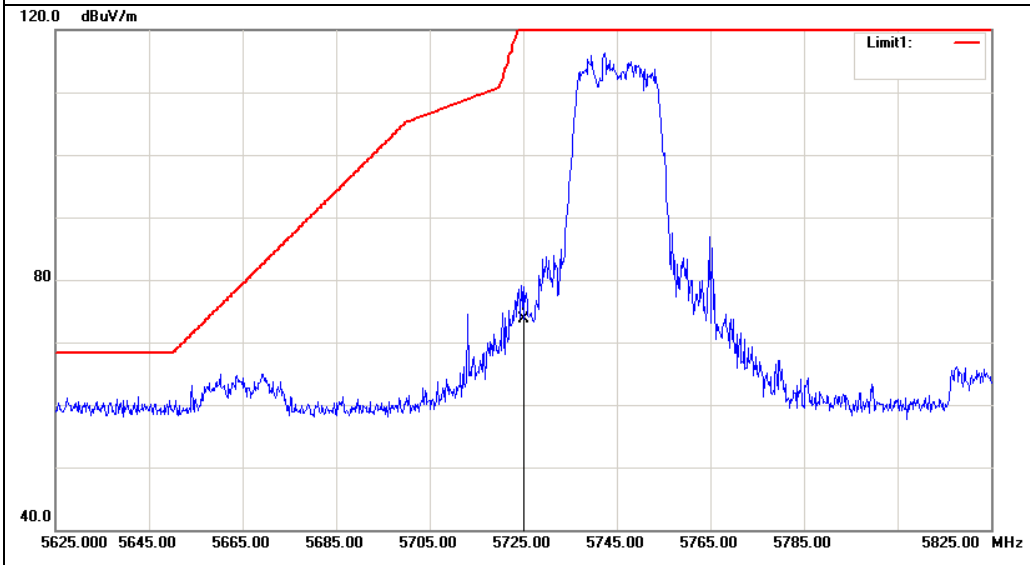
IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz

CH Low

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**

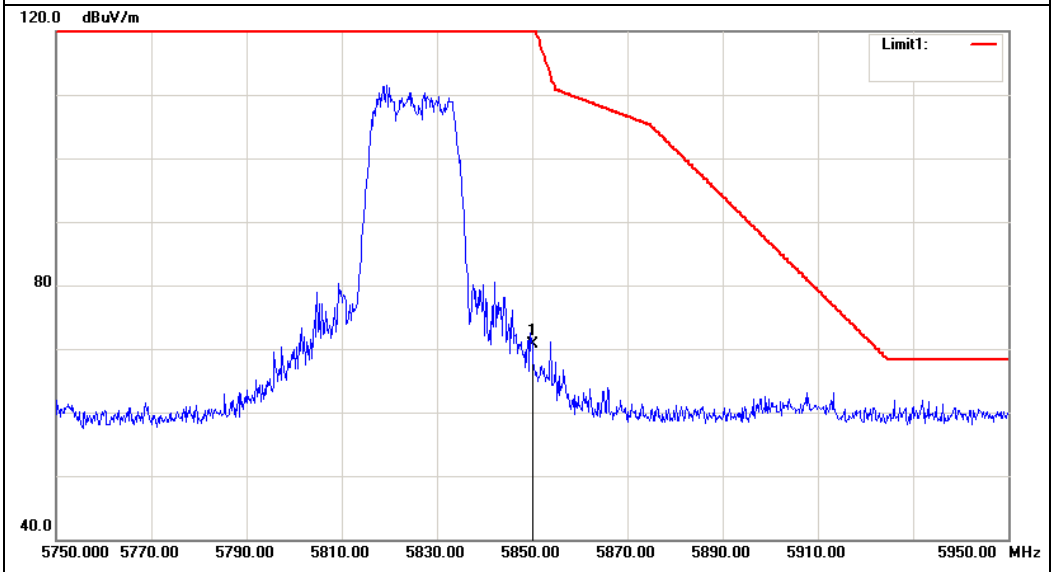


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5725.000	66.11	5.96	72.07	122.20	-50.13	Peak	Vertical
2	5725.000	67.82	5.96	73.78	122.20	-48.42	Peak	Horizontal

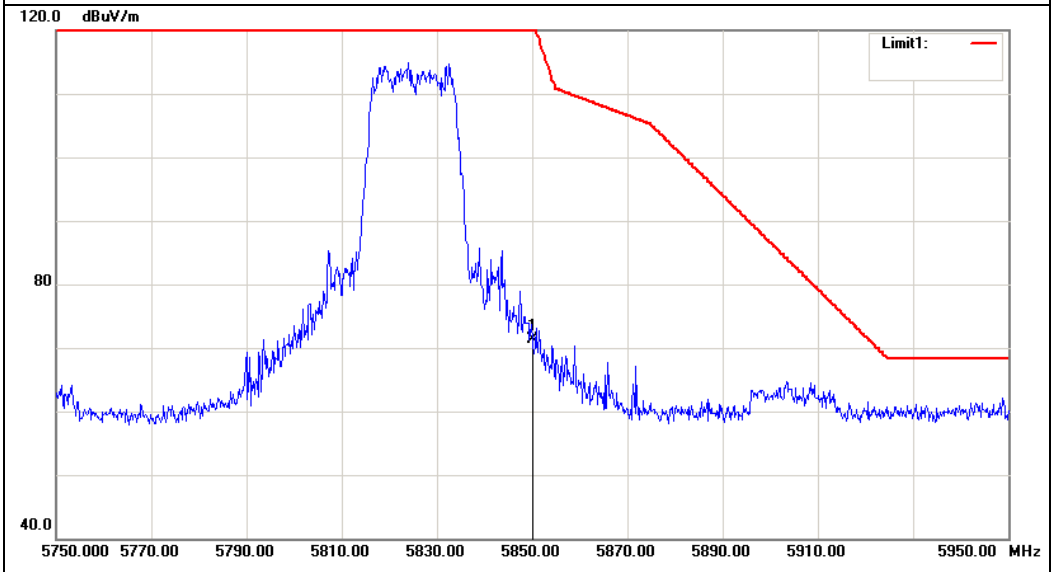
IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz

CH High

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**

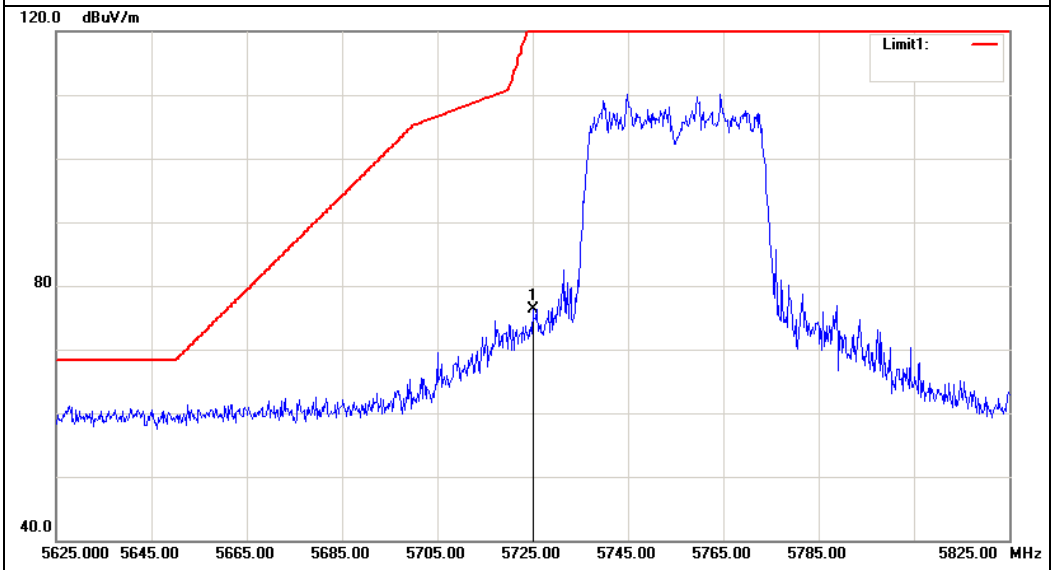


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5850.000	64.63	6.02	70.65	122.20	-51.55	Peak	Vertical
2	5850.000	65.21	6.02	71.23	122.20	-50.97	Peak	Horizontal

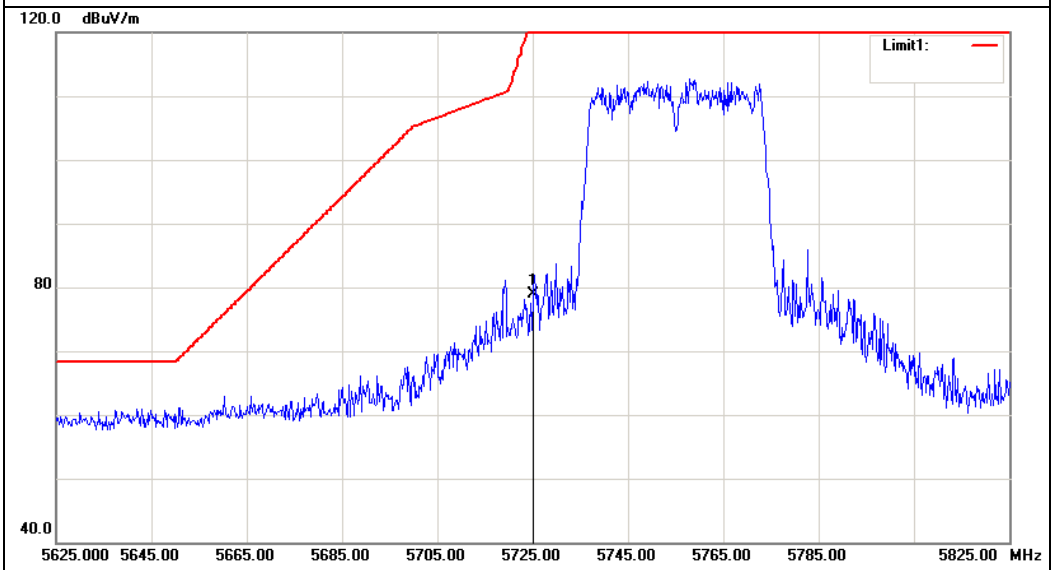
IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz

CH Low

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**

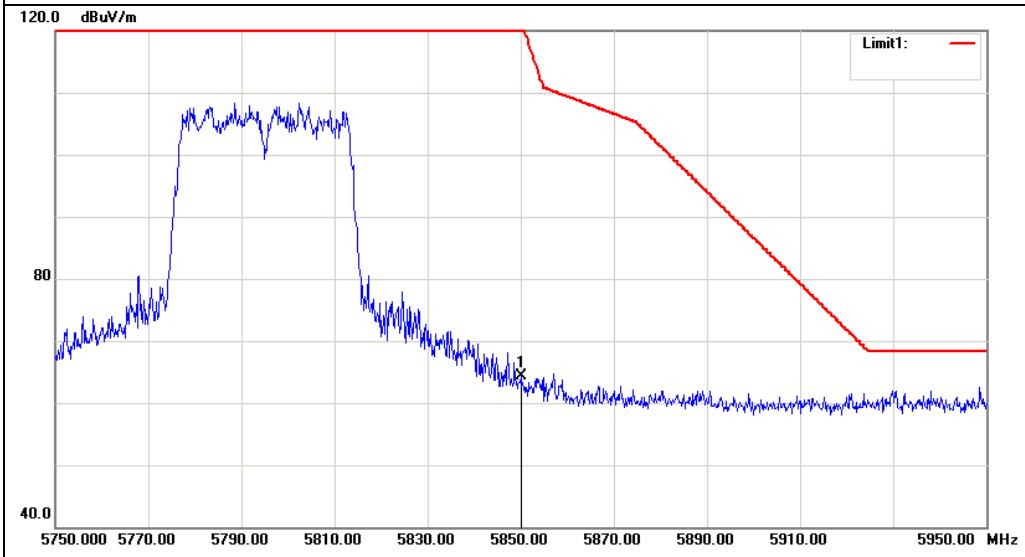


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5725.000	70.38	5.96	76.34	122.20	-45.86	Peak	Vertical
2	5725.000	72.97	5.96	78.93	122.20	-43.27	Peak	Horizontal

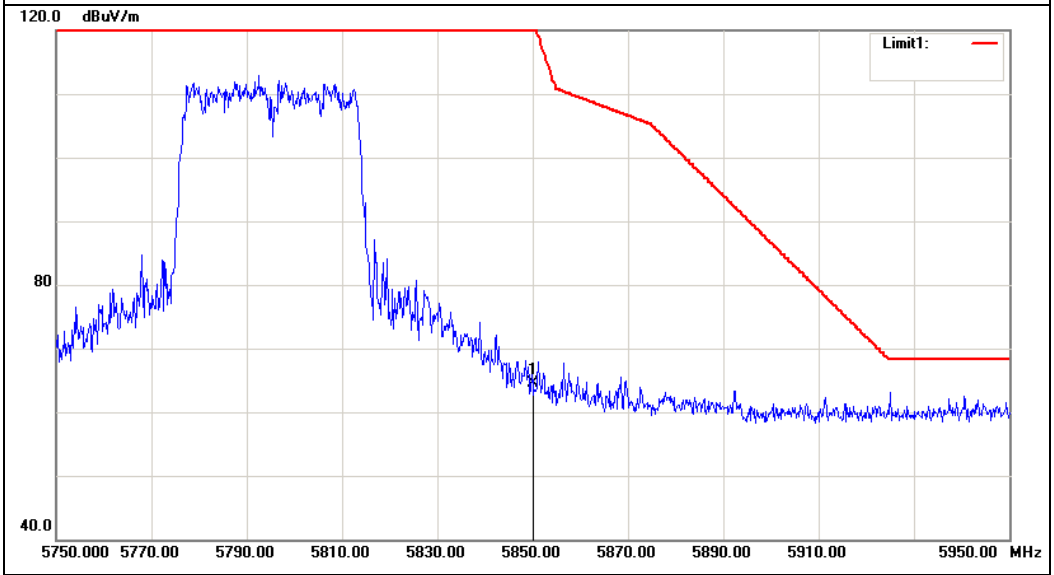
IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz

CH High

Detector mode: Peak **Polarity: Vertical**



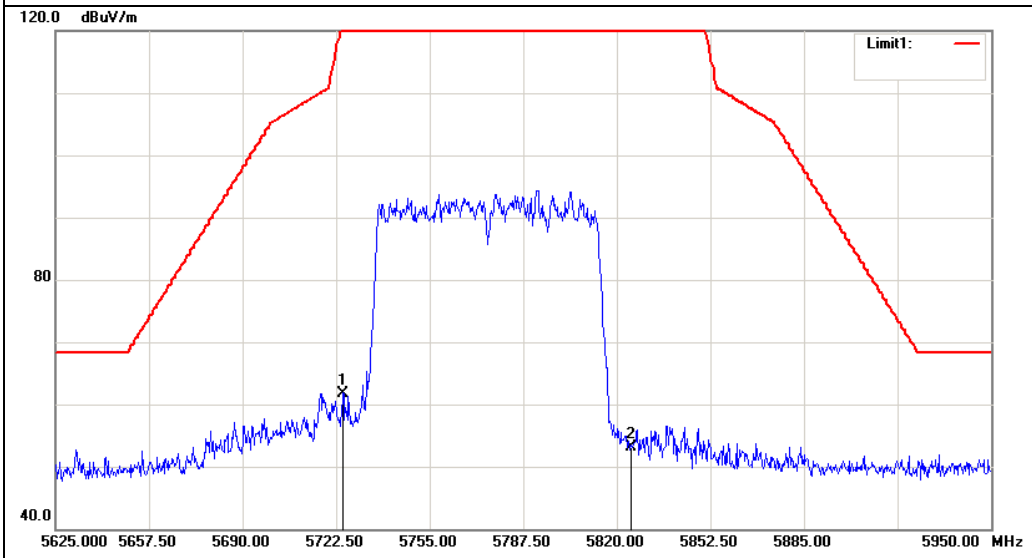
Detector mode: Peak **Polarity: Horizontal**



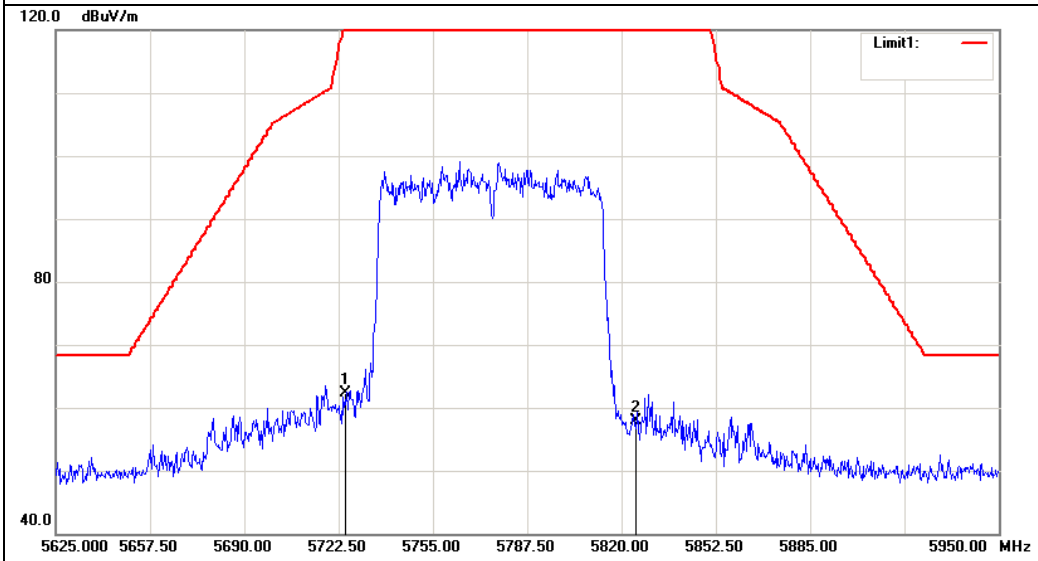
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5850.000	58.29	6.02	64.31	122.20	-57.89	Peak	Vertical
2	5850.000	58.52	6.02	64.54	122.20	-57.66	Peak	Horizontal

IEEE 802.11ac 80 mode / 5775MHz

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5725.000	55.71	5.96	61.67	122.20	-60.53	Peak	Vertical
2	5825.000	47.18	6.01	53.19	122.20	-69.01	Peak	Vertical
1	5725.000	56.32	5.96	62.28	122.20	-59.92	Peak	Horizontal
2	5825.000	51.83	6.01	57.84	122.20	-64.36	Peak	Horizontal

6.9 POWERLINE CONDUCTED EMISSIONS

6.9.1 LIMIT

According to §15.207(a), except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

** Decreases with the logarithm of the frequency.*

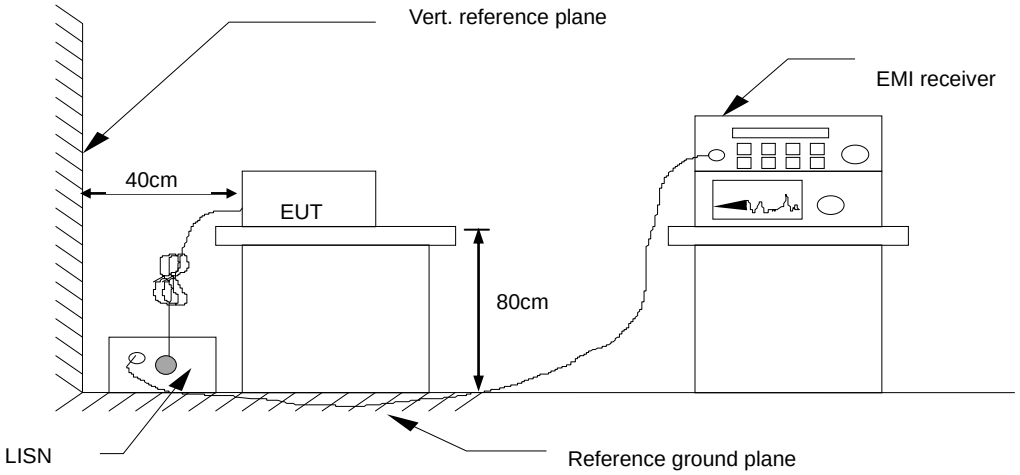
6.9.2 TEST INSTRUMENTS

Conducted Emission Test Site					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/21/2017	02/20/2018
LISN(EUT)	ROHDE&SCHWARZ	ENV216	101543-WX	02/21/2017	02/20/2018
LISN	EMCO	3825/2	8901-1459	02/21/2017	02/20/2018
Temp. / Humidity Meter	VICTOR	HTC-1	N/A	02/21/2017	02/20/2018
Test S/W	FARAD	EZ-EMC/ CCS-3A1-CE			

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

2. N.C.R = No Calibration Request.

6.9.3 TEST CONFIGURATION



6.9.4 TEST PROCEDURE

1. The EUT was placed on a table, which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

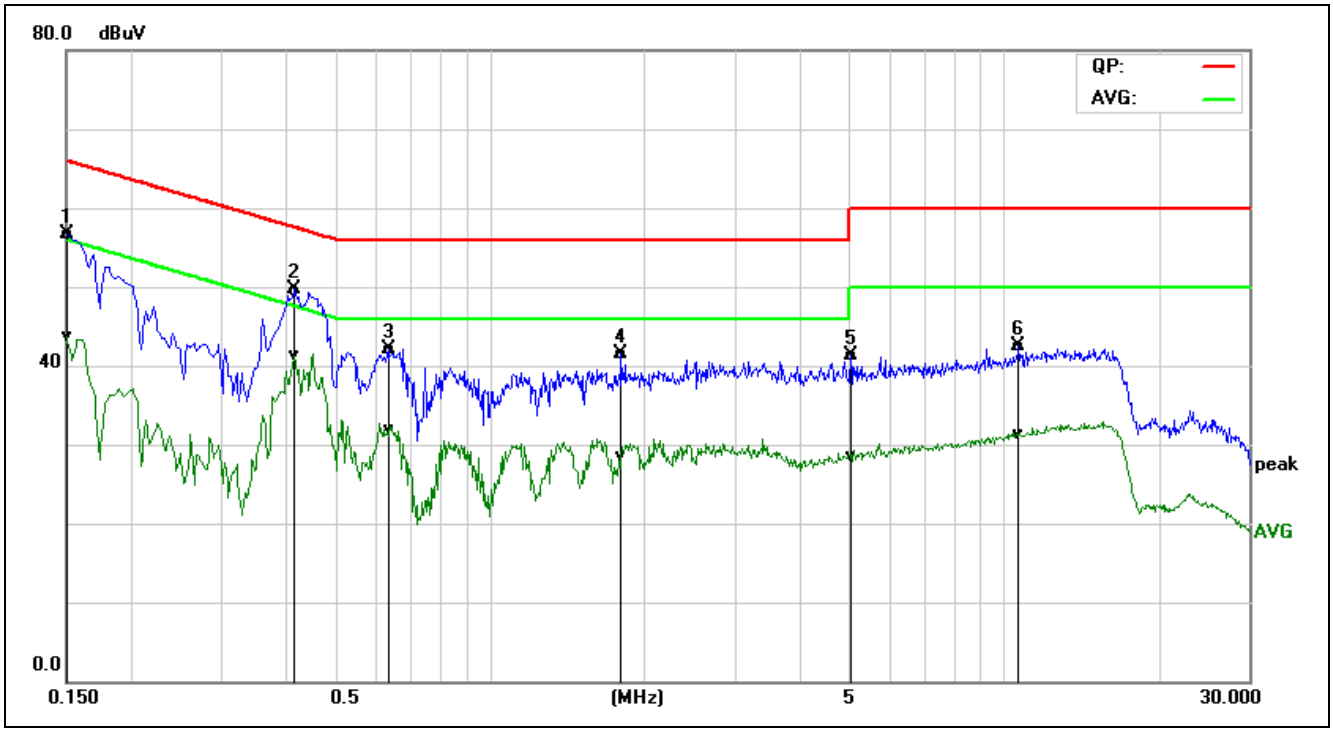
6.9.5 DATA SAMPLE

Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
X.XXXX	32.69	25.65	11.52	44.21	37.17	65.78	55.79	-21.57	-18.62	Pass

Factor = Insertion loss of LISN + Cable Loss
Result = Quasi-peak Reading/ Average Reading + Factor
Limit = Limit stated in standard
Margin = Result (dBuV) – Limit (dBuV)

6.9.6 TEST RESULTS

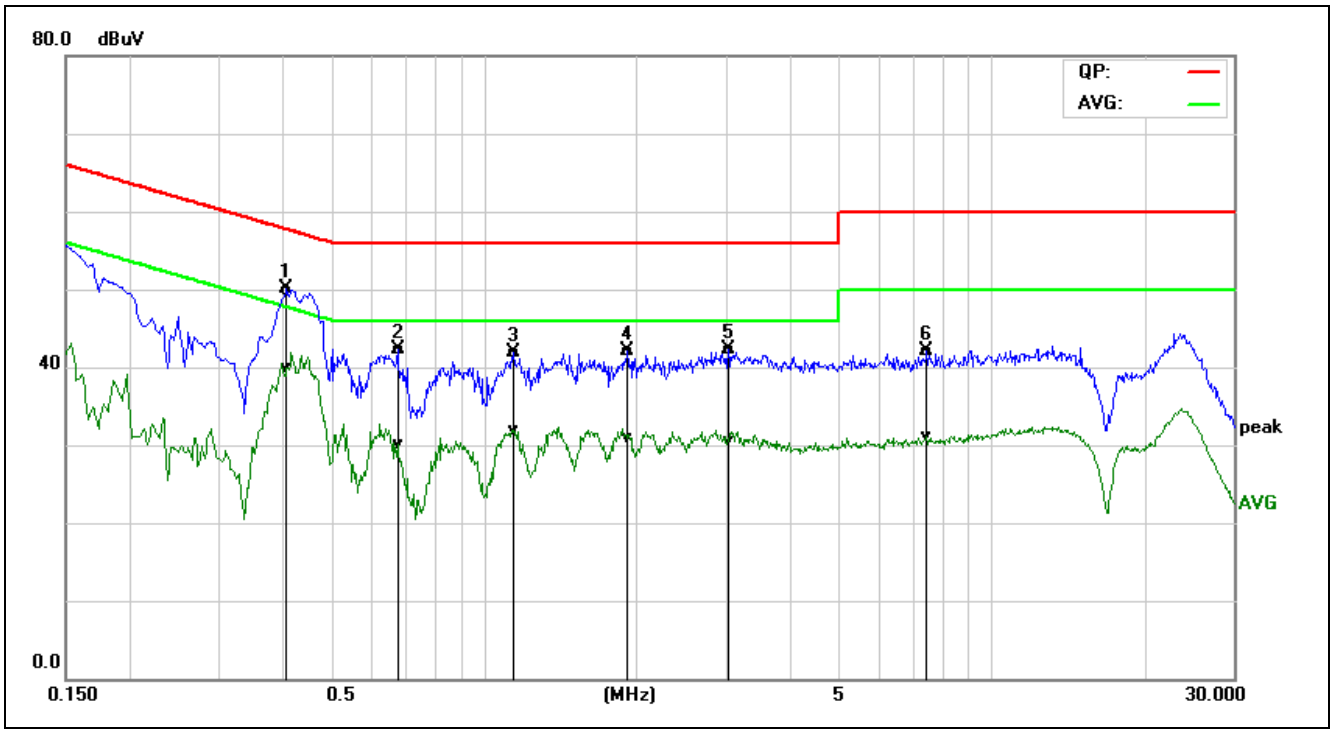
Model No.	MD1600	RBW,VBW	9 kHz
Environmental Conditions	22°C, 45% RH	Test Mode	Mode 1
Tested by	Mimi Qiu	Line	L1
Test Date	August 25, 2017	Test Voltage	AC120V/60Hz



Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)	**Line (L1/L2)**
0.1516	37.13	23.99	19.62	56.75	43.61	65.91	55.91	-9.16	-12.30	Pass	L1
0.4180	30.04	21.74	19.56	49.60	41.30	57.49	47.49	-7.89	-6.19	Pass	L1
0.6340	22.54	12.33	19.58	42.12	31.91	56.00	46.00	-13.88	-14.09	Pass	L1
1.8060	21.76	8.75	19.69	41.45	28.44	56.00	46.00	-14.55	-17.56	Pass	L1
5.0500	21.66	8.87	19.73	41.39	28.60	60.00	50.00	-18.61	-21.40	Pass	L1
10.6980	22.30	11.16	20.13	42.43	31.29	60.00	50.00	-17.57	-18.71	Pass	L1

REMARKS: *L1 = Line One (Live Line)*

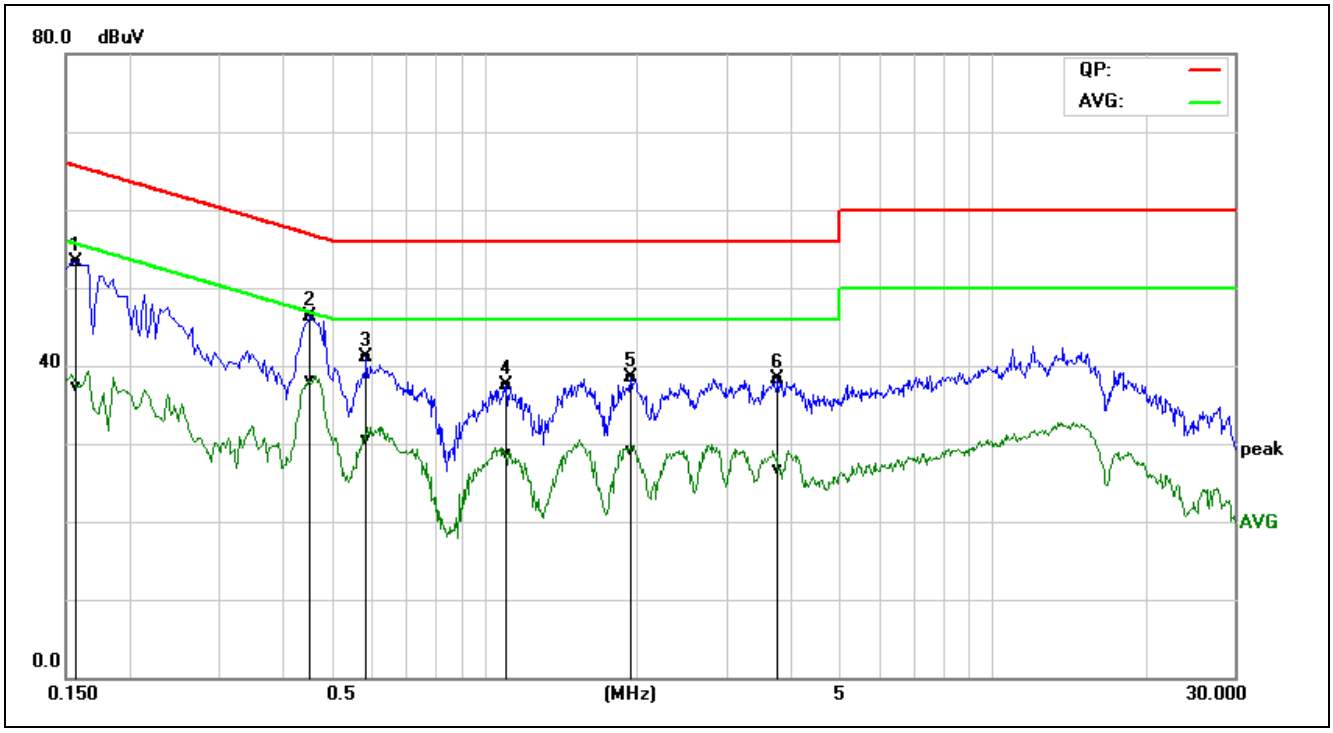
Model No.	MD1600	**RBW,VBW**	9 kHz
Environmental Conditions	22°C, 45% RH	**Test Mode**	Mode 1
Tested by	Mimi Qiu	**Line**	L2
Test Date	August 25, 2017	**Test Voltage**	AC120V/60Hz



Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)	**Line (L1/L2)**
0.4100	30.47	20.38	19.53	50.00	39.91	57.65	47.65	-7.65	-7.74	Pass	L2
0.6780	22.69	10.49	19.60	42.29	30.09	56.00	46.00	-13.71	-15.91	Pass	L2
1.1460	22.34	12.33	19.57	41.91	31.90	56.00	46.00	-14.09	-14.10	Pass	L2
1.9220	22.35	11.15	19.70	42.05	30.85	56.00	46.00	-13.95	-15.15	Pass	L2
3.0300	22.55	10.77	19.75	42.30	30.52	56.00	46.00	-13.70	-15.48	Pass	L2
7.4540	22.23	11.15	19.88	42.11	31.03	60.00	50.00	-17.89	-18.97	Pass	L2

REMARKS: *L2 = Line Two (Neutral Line)*

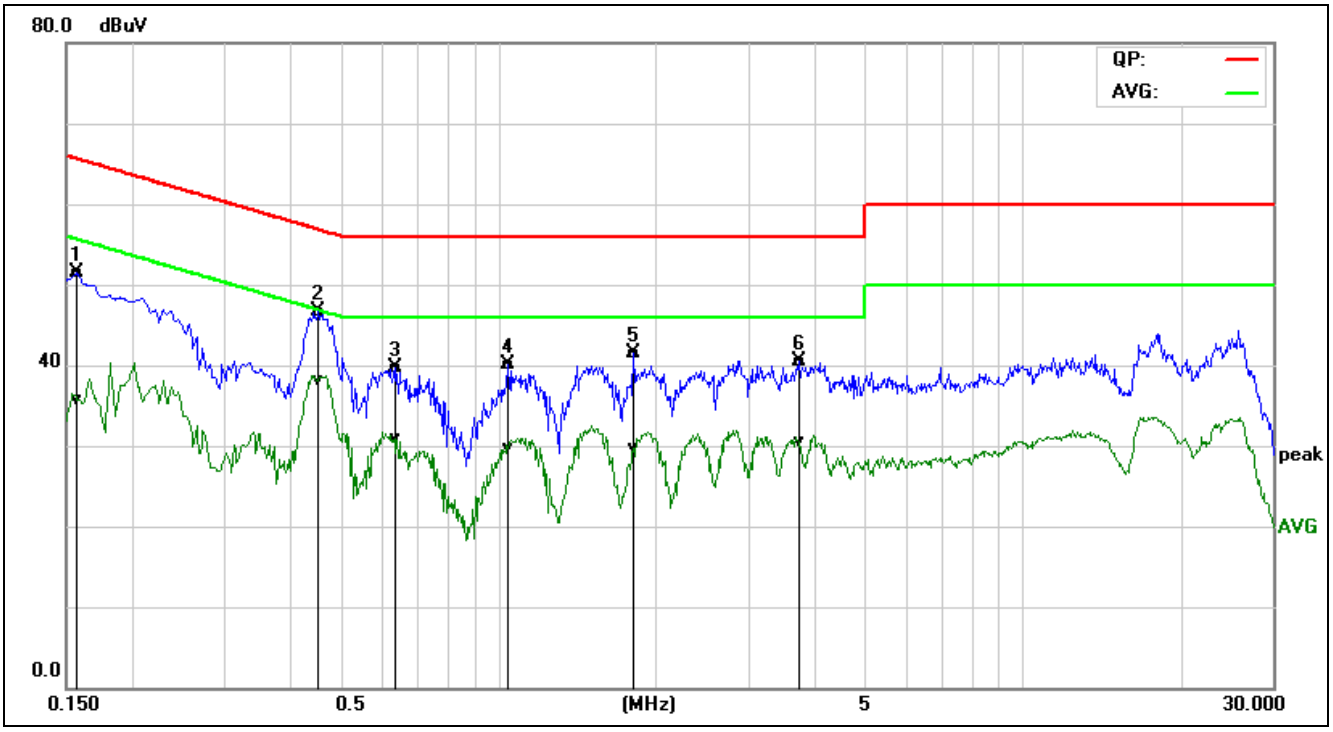
Model No.	MD1600	**RBW,VBW**	9 kHz
Environmental Conditions	22°C, 45% RH	**Test Mode**	Mode 1
Tested by	Mimi Qiu	**Line**	L1
Test Date	August 25, 2017	**Test Voltage**	AC240V/50Hz



Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)	**Line (L1/L2)**
0.1580	33.77	17.68	19.62	53.39	37.30	65.56	55.57	-12.17	-18.27	Pass	L1
0.4540	26.80	18.55	19.55	46.35	38.10	56.80	46.80	-10.45	-8.70	Pass	L1
0.5860	21.58	11.01	19.56	41.14	30.57	56.00	46.00	-14.86	-15.43	Pass	L1
1.1060	17.98	9.06	19.57	37.55	28.63	56.00	46.00	-18.45	-17.37	Pass	L1
1.9460	18.70	9.33	19.71	38.41	29.04	56.00	46.00	-17.59	-16.96	Pass	L1
3.7940	18.58	6.98	19.73	38.31	26.71	56.00	46.00	-17.69	-19.29	Pass	L1

REMARKS: *L1 = Line One (Live Line)*

Model No.	MD1600	**RBW,VBW**	9 kHz
Environmental Conditions	22°C, 45% RH	**Test Mode**	Mode 1
Tested by	Mimi Qiu	**Line**	L2
Test Date	August 25, 2017	**Test Voltage**	AC240V/50Hz



Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)	**Line (L1/L2)**
0.1580	32.03	16.21	19.52	51.55	35.73	65.56	55.57	-14.01	-19.84	Pass	L2
0.4540	27.09	18.65	19.53	46.62	38.18	56.80	46.80	-10.18	-8.62	Pass	L2
0.6340	20.09	11.25	19.58	39.67	30.83	56.00	46.00	-16.33	-15.17	Pass	L2
1.0460	20.49	10.23	19.55	40.04	29.78	56.00	46.00	-15.96	-16.22	Pass	L2
1.8100	21.72	10.05	19.69	41.41	29.74	56.00	46.00	-14.59	-16.26	Pass	L2
3.7460	20.78	10.75	19.79	40.57	30.54	56.00	46.00	-15.43	-15.46	Pass	L2

REMARKS: *L2 = Line Two (Neutral Line)*

6.10 FREQUENCY STABILITY

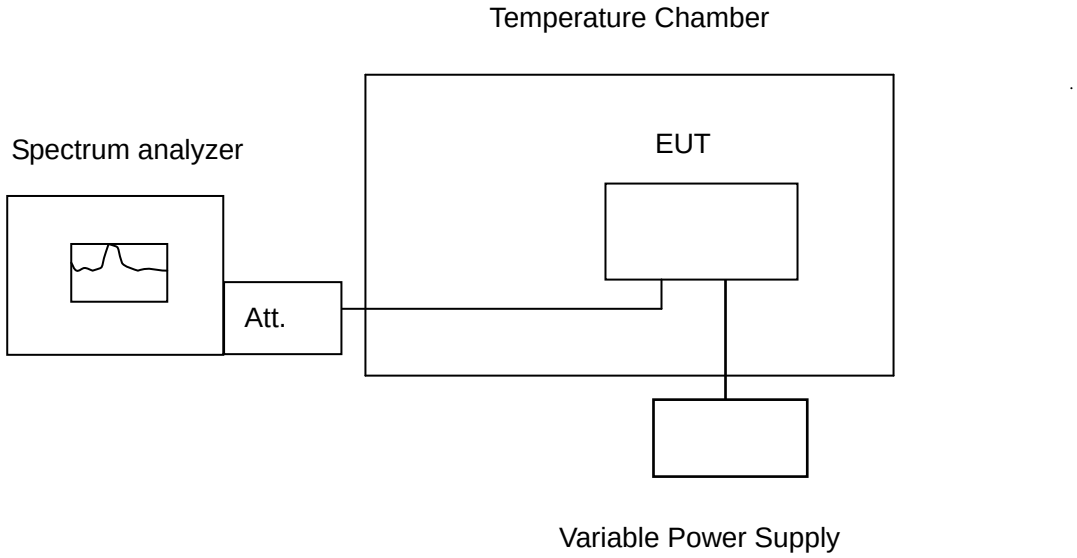
6.10.1 LIMIT

According to §15.407(g), manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the operational description.

6.10.2 TEST INSTRUMENTS

Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2017	02/20/2018
DC Power Supply	DAZHENG	PS-605D	20018978	N.C.R	N.C.R
AC POWER SOUCE	UMART	HPA1010	N/A	N.C.R	N.C.R
Power Meter	Anritsu	ML2495A	1204003	02/21/2017	02/20/2018
Power Sensor	Anritsu	MA2411B	1126150	02/21/2017	02/20/2018
Temperature Chamber	TERCHY	MHG-800N	E21104	11/18/2016	11/17/2017
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/21/2017	02/20/2018

6.10.3 TEST CONFIGURATION



Remark: *Measurement setup for testing on Antenna connector*

6.10.4 TEST PROCEDURE

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20^{o}C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to –20^{o}C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10^{o}C increased per stage until the highest temperature of +50^{o}C reached.

6.10.5 TEST RESULTS

No non-compliance noted.

Test Data
Antenna 0

IEEE 802.11a MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.949322	5150-5250	PASS
40	120	5179.967540	5150-5250	PASS
30	120	5179.949973	5150-5250	PASS
20	120	5179.997986	5150-5250	PASS
10	120	5179.955917	5150-5250	PASS
0	120	5179.977568	5150-5250	PASS
-10	120	5179.978456	5150-5250	PASS
-20	120	5179.951898	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.993333	5150-5250	PASS
	120	5179.996000	5150-5250	PASS
	132	5179.962656	5150-5250	PASS

IEEE 802.11a MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.989750	5150-5250	PASS
40	120	5239.967804	5150-5250	PASS
30	120	5239.956355	5150-5250	PASS
20	120	5239.993800	5150-5250	PASS
10	120	5239.993884	5150-5250	PASS
0	120	5239.973787	5150-5250	PASS
-10	120	5239.957771	5150-5250	PASS
-20	120	5239.998520	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.951273	5150-5250	PASS
	120	5239.997000	5150-5250	PASS
	132	5239.972580	5150-5250	PASS

IEEE 802.11a mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.951242	5725-5850	PASS
40	120	5744.961606	5725-5850	PASS
30	120	5744.967666	5725-5850	PASS
20	120	5744.994200	5725-5850	PASS
10	120	5744.986176	5725-5850	PASS
0	120	5744.960555	5725-5850	PASS
-10	120	5744.996348	5725-5850	PASS
-20	120	5744.992027	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.966836	5725-5850	PASS
	120	5744.998270	5725-5850	PASS
	132	5744.983246	5725-5850	PASS

IEEE 802.11a mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.999733	5725-5850	PASS
40	120	5824.970842	5725-5850	PASS
30	120	5824.950715	5725-5850	PASS
20	120	5824.998190	5725-5850	PASS
10	120	5824.957687	5725-5850	PASS
0	120	5824.967174	5725-5850	PASS
-10	120	5824.954709	5725-5850	PASS
-20	120	5824.949730	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.982327	5725-5850	PASS
	120	5824.996270	5725-5850	PASS
	132	5824.972321	5725-5850	PASS

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IEEE 802.11a MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.996778	5150-5250	PASS
40	120	5179.974839	5150-5250	PASS
30	120	5179.994695	5150-5250	PASS
20	120	5179.996300	5150-5250	PASS
10	120	5179.965746	5150-5250	PASS
0	120	5179.972318	5150-5250	PASS
-10	120	5179.970908	5150-5250	PASS
-20	120	5179.983768	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.963778	5150-5250	PASS
	120	5179.994700	5150-5250	PASS
	132	5179.976977	5150-5250	PASS

IEEE 802.11a MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.987056	5150-5250	PASS
40	120	5239.954736	5150-5250	PASS
30	120	5239.996564	5150-5250	PASS
20	120	5240.007000	5150-5250	PASS
10	120	5239.950001	5150-5250	PASS
0	120	5239.967083	5150-5250	PASS
-10	120	5239.965612	5150-5250	PASS
-20	120	5239.957070	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.993762	5150-5250	PASS
	120	5240.006000	5150-5250	PASS
	132	5239.949789	5150-5250	PASS

IEEE 802.11a mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.993772	5725-5850	PASS
40	120	5744.961355	5725-5850	PASS
30	120	5744.999593	5725-5850	PASS
20	120	5744.998720	5725-5850	PASS
10	120	5744.962245	5725-5850	PASS
0	120	5744.999882	5725-5850	PASS
-10	120	5744.998883	5725-5850	PASS
-20	120	5744.962542	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.967443	5725-5850	PASS
	120	5744.996730	5725-5850	PASS
	132	5744.957687	5725-5850	PASS

IEEE 802.11a mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.962605	5725-5850	PASS
40	120	5824.953747	5725-5850	PASS
30	120	5824.955161	5725-5850	PASS
20	120	5825.006000	5725-5850	PASS
10	120	5824.955522	5725-5850	PASS
0	120	5824.988653	5725-5850	PASS
-10	120	5824.993636	5725-5850	PASS
-20	120	5824.989856	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.999015	5725-5850	PASS
	120	5825.007000	5725-5850	PASS
	132	5824.994888	5725-5850	PASS

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IEEE 802.11a MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.955367	5150-5250	PASS
40	120	5179.972890	5150-5250	PASS
30	120	5179.980607	5150-5250	PASS
20	120	5179.997600	5150-5250	PASS
10	120	5179.953093	5150-5250	PASS
0	120	5179.954988	5150-5250	PASS
-10	120	5179.962957	5150-5250	PASS
-20	120	5179.977316	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.997267	5150-5250	PASS
	120	5179.996800	5150-5250	PASS
	132	5179.956937	5150-5250	PASS

IEEE 802.11a MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.972775	5150-5250	PASS
40	120	5239.989297	5150-5250	PASS
30	120	5239.997655	5150-5250	PASS
20	120	5240.005000	5150-5250	PASS
10	120	5239.954203	5150-5250	PASS
0	120	5239.975469	5150-5250	PASS
-10	120	5239.984543	5150-5250	PASS
-20	120	5239.997848	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.971298	5150-5250	PASS
	120	5240.007000	5150-5250	PASS
	132	5239.999352	5150-5250	PASS

IEEE 802.11a mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.987901	5725-5850	PASS
40	120	5744.985538	5725-5850	PASS
30	120	5744.990330	5725-5850	PASS
20	120	5744.998140	5725-5850	PASS
10	120	5744.978849	5725-5850	PASS
0	120	5744.959817	5725-5850	PASS
-10	120	5744.982142	5725-5850	PASS
-20	120	5744.984385	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.965178	5725-5850	PASS
	120	5744.998270	5725-5850	PASS
	132	5744.962727	5725-5850	PASS

IEEE 802.11a mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.956104	5725-5850	PASS
40	120	5824.989545	5725-5850	PASS
30	120	5824.953485	5725-5850	PASS
20	120	5824.996510	5725-5850	PASS
10	120	5824.950245	5725-5850	PASS
0	120	5824.949094	5725-5850	PASS
-10	120	5824.982607	5725-5850	PASS
-20	120	5824.962128	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.979702	5725-5850	PASS
	120	5824.994900	5725-5850	PASS
	132	5824.995663	5725-5850	PASS

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IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.958359	5150-5250	PASS
40	120	5179.970632	5150-5250	PASS
30	120	5179.996646	5150-5250	PASS
20	120	5179.998160	5150-5250	PASS
10	120	5179.966256	5150-5250	PASS
0	120	5179.949801	5150-5250	PASS
-10	120	5179.951931	5150-5250	PASS
-20	120	5179.992757	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.959342	5150-5250	PASS
	120	5179.982500	5150-5250	PASS
	132	5179.983606	5150-5250	PASS

IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.973363	5150-5250	PASS
40	120	5239.950886	5150-5250	PASS
30	120	5239.998533	5150-5250	PASS
20	120	5239.997520	5150-5250	PASS
10	120	5239.965074	5150-5250	PASS
0	120	5239.999356	5150-5250	PASS
-10	120	5239.975008	5150-5250	PASS
-20	120	5239.971749	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.968003	5150-5250	PASS
	120	5239.991800	5150-5250	PASS
	132	5239.981887	5150-5250	PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.953186	5725-5850	PASS
40	120	5744.958780	5725-5850	PASS
30	120	5744.962123	5725-5850	PASS
20	120	5744.998460	5725-5850	PASS
10	120	5744.981078	5725-5850	PASS
0	120	5744.977361	5725-5850	PASS
-10	120	5744.965233	5725-5850	PASS
-20	120	5744.959831	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.981242	5725-5850	PASS
	120	5744.998370	5725-5850	PASS
	132	5744.961622	5725-5850	PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.952311	5725-5850	PASS
40	120	5824.956045	5725-5850	PASS
30	120	5824.995917	5725-5850	PASS
20	120	5824.997712	5725-5850	PASS
10	120	5824.985033	5725-5850	PASS
0	120	5824.958767	5725-5850	PASS
-10	120	5824.967712	5725-5850	PASS
-20	120	5824.980744	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.978510	5725-5850	PASS
	120	5824.995400	5725-5850	PASS
	132	5824.952977	5725-5850	PASS

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IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.965093	5150-5250	PASS
40	120	5179.953319	5150-5250	PASS
30	120	5179.962881	5150-5250	PASS
20	120	5179.994390	5150-5250	PASS
10	120	5179.958142	5150-5250	PASS
0	120	5179.998337	5150-5250	PASS
-10	120	5179.974212	5150-5250	PASS
-20	120	5179.994347	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.988526	5150-5250	PASS
	120	5179.994600	5150-5250	PASS
	132	5179.974635	5150-5250	PASS

IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.971460	5150-5250	PASS
40	120	5239.968498	5150-5250	PASS
30	120	5239.988899	5150-5250	PASS
20	120	5240.002500	5150-5250	PASS
10	120	5239.970191	5150-5250	PASS
0	120	5239.986347	5150-5250	PASS
-10	120	5239.965148	5150-5250	PASS
-20	120	5239.966774	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.993904	5150-5250	PASS
	120	5240.006000	5150-5250	PASS
	132	5239.961635	5150-5250	PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.953770	5725-5850	PASS
40	120	5744.967765	5725-5850	PASS
30	120	5744.963608	5725-5850	PASS
20	120	5744.996900	5725-5850	PASS
10	120	5744.997999	5725-5850	PASS
0	120	5744.989645	5725-5850	PASS
-10	120	5744.976100	5725-5850	PASS
-20	120	5744.986187	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.987883	5725-5850	PASS
	120	5744.998500	5725-5850	PASS
	132	5744.983181	5725-5850	PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.965121	5725-5850	PASS
40	120	5824.951331	5725-5850	PASS
30	120	5824.956409	5725-5850	PASS
20	120	5824.997430	5725-5850	PASS
10	120	5824.994480	5725-5850	PASS
0	120	5824.964222	5725-5850	PASS
-10	120	5824.967226	5725-5850	PASS
-20	120	5824.975605	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.952111	5725-5850	PASS
	120	5824.996200	5725-5850	PASS
	132	5824.951049	5725-5850	PASS

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IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.974821	5150-5250	PASS
40	120	5179.977266	5150-5250	PASS
30	120	5179.976887	5150-5250	PASS
20	120	5179.992400	5150-5250	PASS
10	120	5179.991976	5150-5250	PASS
0	120	5179.972940	5150-5250	PASS
-10	120	5179.965726	5150-5250	PASS
-20	120	5179.959980	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.969890	5150-5250	PASS
	120	5179.996200	5150-5250	PASS
	132	5179.978660	5150-5250	PASS

IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.953078	5150-5250	PASS
40	120	5239.980656	5150-5250	PASS
30	120	5239.966235	5150-5250	PASS
20	120	5239.997000	5150-5250	PASS
10	120	5239.989992	5150-5250	PASS
0	120	5239.998763	5150-5250	PASS
-10	120	5239.986164	5150-5250	PASS
-20	120	5239.998131	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.977950	5150-5250	PASS
	120	5239.998310	5150-5250	PASS
	132	5239.966012	5150-5250	PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.992361	5725-5850	PASS
40	120	5744.993631	5725-5850	PASS
30	120	5744.972539	5725-5850	PASS
20	120	5744.998237	5725-5850	PASS
10	120	5744.974252	5725-5850	PASS
0	120	5744.967122	5725-5850	PASS
-10	120	5744.951095	5725-5850	PASS
-20	120	5744.994697	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.949821	5725-5850	PASS
	120	5744.992900	5725-5850	PASS
	132	5744.951708	5725-5850	PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.998401	5725-5850	PASS
40	120	5824.950928	5725-5850	PASS
30	120	5824.981572	5725-5850	PASS
20	120	5824.997500	5725-5850	PASS
10	120	5824.973591	5725-5850	PASS
0	120	5824.956699	5725-5850	PASS
-10	120	5824.992495	5725-5850	PASS
-20	120	5824.991586	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.965096	5725-5850	PASS
	120	5824.998000	5725-5850	PASS
	132	5824.951327	5725-5850	PASS

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IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5189.976703	5150-5250	PASS
40	120	5189.954817	5150-5250	PASS
30	120	5189.964681	5150-5250	PASS
20	120	5189.994730	5150-5250	PASS
10	120	5189.952311	5150-5250	PASS
0	120	5189.961276	5150-5250	PASS
-10	120	5189.975661	5150-5250	PASS
-20	120	5189.990759	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5189.959373	5150-5250	PASS
	120	5189.998630	5150-5250	PASS
	132	5189.980092	5150-5250	PASS

IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5229.975147	5150-5250	PASS
40	120	5229.980661	5150-5250	PASS
30	120	5229.951877	5150-5250	PASS
20	120	5230.007000	5150-5250	PASS
10	120	5229.991580	5150-5250	PASS
0	120	5229.951977	5150-5250	PASS
-10	120	5229.972764	5150-5250	PASS
-20	120	5229.954463	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5229.987063	5150-5250	PASS
	120	5230.006000	5150-5250	PASS
	132	5229.964417	5150-5250	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5754.979044	5725-5850	PASS
40	120	5754.956222	5725-5850	PASS
30	120	5754.981963	5725-5850	PASS
20	120	5754.996420	5725-5850	PASS
10	120	5754.972845	5725-5850	PASS
0	120	5754.958934	5725-5850	PASS
-10	120	5754.952907	5725-5850	PASS
-20	120	5754.980829	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5754.958333	5725-5850	PASS
	120	5754.997510	5725-5850	PASS
	132	5754.952196	5725-5850	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5794.975613	5725-5850	PASS
40	120	5794.987753	5725-5850	PASS
30	120	5794.995589	5725-5850	PASS
20	120	5794.998600	5725-5850	PASS
10	120	5794.964172	5725-5850	PASS
0	120	5794.953068	5725-5850	PASS
-10	120	5794.954216	5725-5850	PASS
-20	120	5794.990814	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5794.959382	5725-5850	PASS
	120	5794.997380	5725-5850	PASS
	132	5794.966328	5725-5850	PASS

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IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5189.994483	5150-5250	PASS
40	120	5189.970787	5150-5250	PASS
30	120	5189.992749	5150-5250	PASS
20	120	5190.005000	5150-5250	PASS
10	120	5189.998576	5150-5250	PASS
0	120	5189.998865	5150-5250	PASS
-10	120	5189.967795	5150-5250	PASS
-20	120	5189.972424	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5189.975285	5150-5250	PASS
	120	5190.007000	5150-5250	PASS
	132	5189.976969	5150-5250	PASS

IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5229.965590	5150-5250	PASS
40	120	5229.974638	5150-5250	PASS
30	120	5229.984892	5150-5250	PASS
20	120	5230.006000	5150-5250	PASS
10	120	5229.984634	5150-5250	PASS
0	120	5229.990313	5150-5250	PASS
-10	120	5229.990463	5150-5250	PASS
-20	120	5229.981535	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5229.971872	5150-5250	PASS
	120	5230.006000	5150-5250	PASS
	132	5229.984785	5150-5250	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5754.957808	5725-5850	PASS
40	120	5754.990498	5725-5850	PASS
30	120	5754.949390	5725-5850	PASS
20	120	5754.998560	5725-5850	PASS
10	120	5754.981891	5725-5850	PASS
0	120	5754.951048	5725-5850	PASS
-10	120	5754.972478	5725-5850	PASS
-20	120	5754.967762	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5754.974738	5725-5850	PASS
	120	5754.998520	5725-5850	PASS
	132	5754.952737	5725-5850	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5794.997271	5725-5850	PASS
40	120	5794.981350	5725-5850	PASS
30	120	5794.970532	5725-5850	PASS
20	120	5794.997800	5725-5850	PASS
10	120	5794.958332	5725-5850	PASS
0	120	5794.962370	5725-5850	PASS
-10	120	5794.958830	5725-5850	PASS
-20	120	5794.998738	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5794.963006	5725-5850	PASS
	120	5794.996900	5725-5850	PASS
	132	5794.977946	5725-5850	PASS

Antenna 2

IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5189.991000	5150-5250	PASS
40	120	5189.960736	5150-5250	PASS
30	120	5189.998872	5150-5250	PASS
20	120	5189.994160	5150-5250	PASS
10	120	5189.956957	5150-5250	PASS
0	120	5189.958696	5150-5250	PASS
-10	120	5189.949388	5150-5250	PASS
-20	120	5189.989582	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5189.989976	5150-5250	PASS
	120	5189.992890	5150-5250	PASS
	132	5189.951252	5150-5250	PASS

IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5229.978740	5150-5250	PASS
40	120	5229.994217	5150-5250	PASS
30	120	5229.992264	5150-5250	PASS
20	120	5230.003300	5150-5250	PASS
10	120	5229.980929	5150-5250	PASS
0	120	5229.953240	5150-5250	PASS
-10	120	5229.954586	5150-5250	PASS
-20	120	5229.999458	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5229.963255	5150-5250	PASS
	120	5230.005000	5150-5250	PASS
	132	5229.965004	5150-5250	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5754.979826	5725-5850	PASS
40	120	5754.965756	5725-5850	PASS
30	120	5754.951252	5725-5850	PASS
20	120	5754.997430	5725-5850	PASS
10	120	5754.997406	5725-5850	PASS
0	120	5754.954328	5725-5850	PASS
-10	120	5754.983885	5725-5850	PASS
-20	120	5754.964861	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5754.982356	5725-5850	PASS
	120	5754.997720	5725-5850	PASS
	132	5754.953559	5725-5850	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5794.960635	5725-5850	PASS
40	120	5794.965625	5725-5850	PASS
30	120	5794.987981	5725-5850	PASS
20	120	5794.992680	5725-5850	PASS
10	120	5794.980972	5725-5850	PASS
0	120	5794.951584	5725-5850	PASS
-10	120	5794.978413	5725-5850	PASS
-20	120	5794.961509	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5794.989900	5725-5850	PASS
	120	5794.995100	5725-5850	PASS
	132	5794.997113	5725-5850	PASS

Antenna 0

IEEE 802.11ac 80 mode / 5210MHz

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5209.950493	5150-5250	PASS
40	120	5209.957438	5150-5250	PASS
30	120	5209.960415	5150-5250	PASS
20	120	5209.994600	5150-5250	PASS
10	120	5209.976894	5150-5250	PASS
0	120	5209.986393	5150-5250	PASS
-10	120	5209.978055	5150-5250	PASS
-20	120	5209.988739	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5209.967507	5150-5250	PASS
	120	5209.993300	5150-5250	PASS
	132	5209.953559	5150-5250	PASS

IEEE 802.11ac 80 mode / 5775MHz

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5774.997173	5725-5850	PASS
40	120	5774.965195	5725-5850	PASS
30	120	5774.976271	5725-5850	PASS
20	120	5774.991700	5725-5850	PASS
10	120	5774.996807	5725-5850	PASS
0	120	5774.967999	5725-5850	PASS
-10	120	5774.963072	5725-5850	PASS
-20	120	5774.988027	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5774.996701	5725-5850	PASS
	120	5774.994620	5725-5850	PASS
	132	5774.952494	5725-5850	PASS

Antenna 1

IEEE 802.11ac 80 mode / 5210MHz

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5209.981632	5150-5250	PASS
40	120	5209.959417	5150-5250	PASS
30	120	5209.973299	5150-5250	PASS
20	120	5209.993700	5150-5250	PASS
10	120	5209.951746	5150-5250	PASS
0	120	5209.983613	5150-5250	PASS
-10	120	5209.967149	5150-5250	PASS
-20	120	5209.975752	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5209.989550	5150-5250	PASS
	120	5209.994900	5150-5250	PASS
	132	5209.974042	5150-5250	PASS

IEEE 802.11ac 80 mode / 5775MHz

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5774.982791	5725-5850	PASS
40	120	5774.992912	5725-5850	PASS
30	120	5774.975306	5725-5850	PASS
20	120	5774.994900	5725-5850	PASS
10	120	5774.995825	5725-5850	PASS
0	120	5774.976978	5725-5850	PASS
-10	120	5774.958851	5725-5850	PASS
-20	120	5774.985641	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5774.977511	5725-5850	PASS
	120	5774.993000	5725-5850	PASS
	132	5774.992265	5725-5850	PASS

Antenna 2

IEEE 802.11ac 80 mode / 5210MHz

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5209.970795	5150-5250	PASS
40	120	5209.958502	5150-5250	PASS
30	120	5209.974000	5150-5250	PASS
20	120	5209.994600	5150-5250	PASS
10	120	5209.985402	5150-5250	PASS
0	120	5209.986731	5150-5250	PASS
-10	120	5209.955583	5150-5250	PASS
-20	120	5209.991219	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5209.961463	5150-5250	PASS
	120	5209.995800	5150-5250	PASS
	132	5209.974189	5150-5250	PASS

IEEE 802.11ac 80 mode / 5775MHz

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5774.992860	5725-5850	PASS
40	120	5774.987256	5725-5850	PASS
30	120	5774.977831	5725-5850	PASS
20	120	5774.973594	5725-5850	PASS
10	120	5774.984376	5725-5850	PASS
0	120	5774.992860	5725-5850	PASS
-10	120	5774.987256	5725-5850	PASS
-20	120	5774.977831	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5774.955561	5725-5850	PASS
	120	5774.994100	5725-5850	PASS
	132	5774.972449	5725-5850	PASS