FCC 47 CFR PART15 SUBPART E

Test Report

For

Product Name: 10.1 inchesTablet

Brand Name: LYNX

Model No.: 850-033343

Series Model.: 850-033465,850-033466,850-033467,850-033468,850-033469

FCC ID: 2ABMA-888-700-213

Test Report Number:

C160512R01-RPW2

Issued for

Lynx Innovation Limited

Unit 8A, 331 Rosedale Road,Albany 0632,North Shore City ,New Zealand

Issued by

Compliance Certification Services Inc.

Kun shan Laboratory

**No.10 Weiye Rd., Innovation park, Eco&Tec,
Development Zone, Kunshan City, Jiangsu, China**

TEL: 86-512-57355888

FAX: 86-512-57370818

TESTING CERT #2541.01

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Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	May 19, 2016	C160512R01-RPW2	ALL	N/A
update	May 24, 2016	C160512R01-RPW2	P1,P4,P5	Update Product Name

1 TEST RESULT CERTIFICATION

Product Name:	10.1 inchesTablet
Trade Name:	LYNX
Model Name.:	850-033343
Series Model:	850-033465,850-033466,850-033467,850-033468,850-033469
Applicant Discrepancy:	Initial
Device Category:	Mobile unit
Date of Test:	May 13, 2016 ~ May 19, 2016
Applicant:	**Lynx Innovation Limited** Unit 8A, 331 Rosedale Road,Albany 0632,North Shore City,New Zealand
Manufacturer:	**Jiaxing Lynx Displays Limited** 1F,Bldg#7,No.3288,Zhongshan Xi Road,Xiuzhou Industrial Park,Jiaxing, Zhejiang,China
Application Type:	Certification

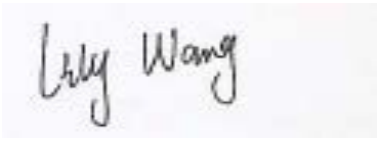
APPLICABLE STANDARDS	
STANDARD	**TEST RESULT**
FCC 47 CFR Part 15 Subpart E	No non-compliance noted

The above equipment was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10: 2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 15.207, 15.209, 15.407and KDB 789033.
The test results of this report relate only to the tested sample EUT identified in this report.

Approved by:

Jeff.Fang
RF Manager
Compliance Certification Service Inc.

Tested by:



Lily.Wang
Test Engineer
Compliance Certification Service Inc.

2 EUT DESCRIPTION

Product Name:	10.1 inchesTablet
Brand Name:	LYNX
Model Name:	850-033343
Series Model:	850-033465,850-033466,850-033467,850-033468,850-033469
Model Discrepancy:	Only for market segment
Power Adapter:	DC 12V
Frequency Range :	5725MHz-5850MHz
Transmit Power :	IEEE 802.11a: 13.00 dBm IEEE 802.11n HT20 MHz Channel Mode: 12.51 dBm IEEE 802.11n HT40 MHz Channel Mode: 12.76 dBm IEEE 802.11ac VHT20 MHz Channel Mode: 12.58 dBm IEEE 802.11ac VHT40 MHz Channel Mode: 12.72 dBm IEEE 802.11ac VHT 80 MHz Channel Mode: 12.33 dBm
Modulation Technique :	IEEE 802.11a mode: OFDM IEEE 802.11n HT20 MHz Mode: OFDM IEEE 802.11n HT40 MHz Mode: OFDM IEEE 802.11ac VHT20 MHz Mode: OFDM IEEE 802.11ac VHT40 MHz Mode: OFDM IEEE 802.11ac VHT80 MHz Mode: OFDM
Number of Channels :	IEEE 802.11a/n HT20/ac VHT20 mode: 5 Channels IEEE 802.11n HT40/ac VHT40 Mode:2 Channels IEEE 802.11ac VHT80 MHz Mode:1 Channel
Antenna Specification:	Dipole Antenna Gain: 4.5 dBi

Remark:

1. The sample selected for test was engineering sample that approximated to production product and was provided by manufacturer.
2. This submittal(s) (test report) is intended for ***FCC ID: 2ABMA-888-700-213*** filing to comply with FCC Part 15, Subpart E Rules.

3 TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10:2013 and FCC CFR 47 15.207, 15.209 and 15.407.

3.1 EUT CONFIGURATION

The EUT configuration for testing is installed for RF field strength measurement to meet the Commissions requirement, and is operated in a manner intended to generate the maximum emission in a continuous normal application.

3.2 EUT EXERCISE

The EUT is operated in the engineering mode to fix the Tx frequency for the purposes of measurement.

According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

3.3 GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is positioned at 0.8 m above the ground plane. According to the requirements in Section 13.3 of ANSI C63.10:2013, the conducted emission from the EUT is measured in the frequency range between 0.15 MHz and 30MHz, using the CISPR Quasi-Peak detector mode.

Radiated Emissions

Under 1GHz

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.10:2013.

Above 1GHz

The EUT is placed on a turn table, which is 1.5 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.10:2013.

3.4 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.50 - 5.15
0.495 - 0.505 (1)	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960.0 - 1240	7.25 - 7.75
4.125 - 4.128	25.50 - 25.67	1300 - 1427	8.025 - 8.500
4.17725 - 4.17775	37.50 - 38.25	1435.0 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73.00 - 74.60	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.80 - 75.20	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108.00 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.90 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 – 2500.0	17.7 - 21.4
8.37625 - 8.38675	156.70 - 156.90	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.1700	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.20	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358.0	36.43 - 36.5(2)
12.57675 - 12.57725	322.0- 335.4	3600 - 4400	
13.36 - 13.41			

[1] Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2] Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

3.5 DESCRIPTION OF TEST MODES

Description	Modulation Technology	Modulation Type
6dB Bandwidth	OFDM	BPSK
Maximum conducted output power	OFDM	BPSK
Band edges measurement	OFDM	BPSK
Peak Power Spectral Density	OFDM	BPSK
Radiated undesirable emission	OFDM	BPSK
Conducted undesirable emission	OFDM	BPSK
Powerline conducted emission	OFDM	BPSK

IEEE 802.11a mode:

Channel Low (5745MHz), Channel Mid (5785MHz) and Channel High (5825MHz) with 24Mbps data rate were chosen for full testing.

IEEE 802.11n HT20 mode:

Channel Low (5745MHz), Channel Mid (5785MHz) and Channel High (5825MHz) with MCS0 data rate were chosen for full testing.

IEEE 802.11n HT40 mode:

Channel Low (5755MHz) and Channel High (5795MHz) with 24Mbps data rate were chosen for full testing.

IEEE 802.11ac VHT20 mode:

Channel Low (5745MHz), Channel Mid (5785MHz) and Channel High (5825MHz) with MCS0 data rate were chosen for full testing.

IEEE 802.11ac VHT40 mode:

Channel Low (5755MHz) and Channel High (5795MHz) with MCS0 data rate were chosen for full testing.

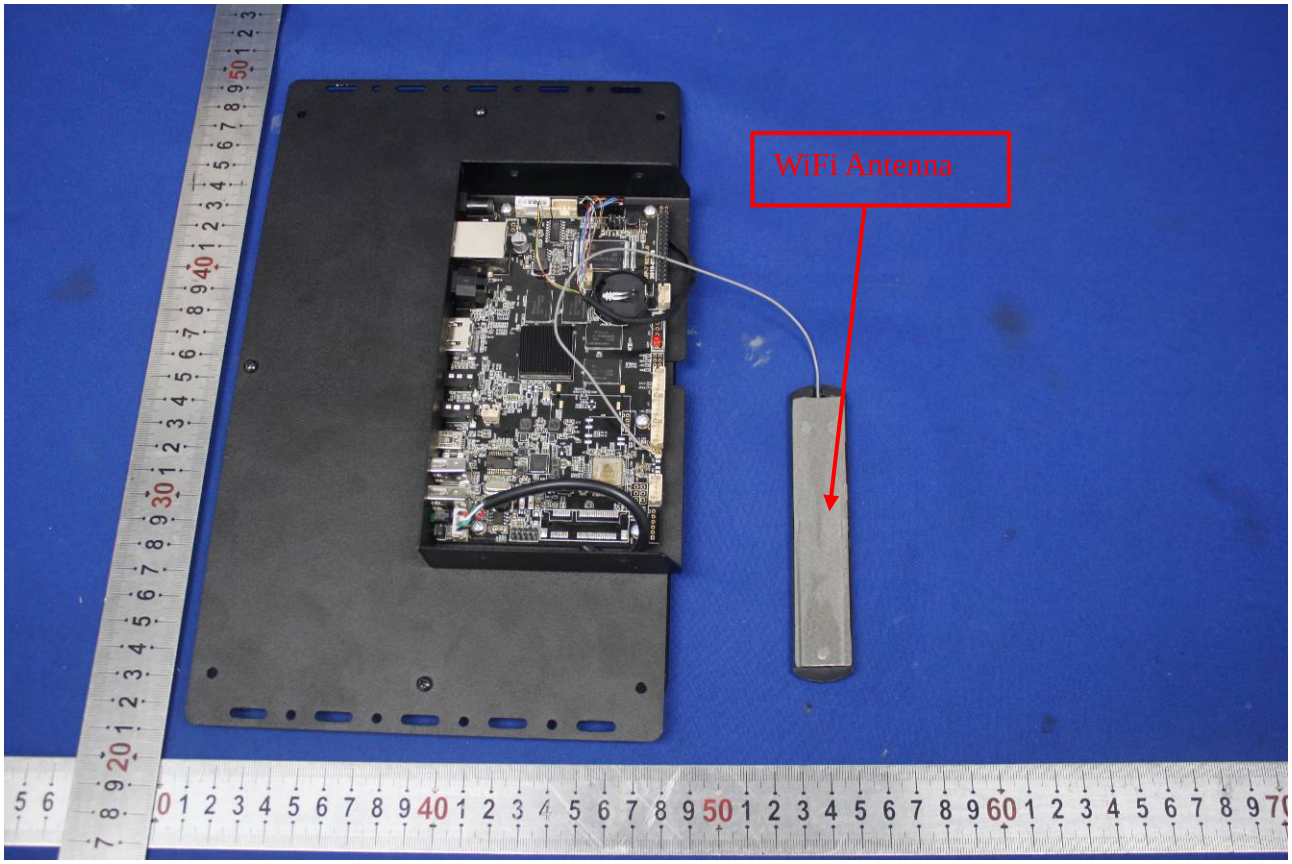
IEEE 802.11ac VHT80 mode:

Channel Mid (5775MHz) with MCS0 data rate were chosen for full testing.

3.6 ANTENNA DESCRIPTION

an intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached or an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section”

* the antenna of this EUT is a unique(Dipole Antenna for WiFi and Bluetooth)
* the EUT complies with the requirement of 15.203.



4 INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

4.1 MEASUREMENT EQUIPMENT USED

Conducted Emissions Test Site					
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Spectrum Analyzer	Agilent	E4446A	MY44020154	2015-9-11	2016-9-10
Spectrum Analyzer	RS	FSU26	200789	2015-8-10	2016-8-9
OSCILLOSCOPE	Agilent	DSO6104A	MY44002585	2016-3-2	2017-3-1
Power meter	Anritsu	ML2495A	1445010	2016-4-23	2017-4-22
Power sensor	Anritsu	MA2411B	1339220	2016-4-23	2017-4-22
Power SPLITTER	Mini-Circuits	ZN2PD-9G	SF078500430	N.C.R	N.C.R
DC Power Supply	AGILENT	E3632A	MY50340053	N.C.R	N.C.R
Temp. / Humidity Gauge	Anymetre	TH603	CCS007	2015-11-04	2016-11-03

977 Chamber					
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Spectrum Analyzer	Agilent	E4446A	MY44020154	2015-9-11	2016-9-10
EMI Test Receiver	R&S	ESCI	101378	2016-1-6	2017-1-5
Pre-Amplfier	MINI	ZFL-1000VH2	d041703	2016-1-13	2017-1-12
Pre-Amplfier	Miteq	JS41-00101800-32-10P	1675713	2015-8-10	2016-8-9
Bilog Antenna	Sunol	JB1	A062604	2016-3-6	2017-3-5
Horn-antenna	SCHWARZBECK	BBHA9120D	D:266	2016-3-6	2017-3-5
Turn Table	CT	CT123	4165	N.C.R	N.C.R
Antenna Tower	CT	CTERG23	3256	N.C.R	N.C.R
Controller	CT	CT1OO	95637	N.C.R	N.C.R
Test Software			EZ-EMC		

Conducted Emission					
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
EMI TEST RECEIVER	R&S	ESCI	100781	2016-3-2	2017-3-1
V (V-LISN)	SCHWARZBECK	NNLK 8129	8129-143	2015-11-2	2016-11-1
LISN (EUT)	FCC	FCC-LISN-50/250-50-2-02	05012	2015-9-16	2016-9-15
Pulse LIMITER	R&S	ESH3-Z2	100524	2016-1-6	2017-1-5
Test Software	EZ-EMC				

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

4.2 MEASUREMENT UNCERTAINTY

For the test methods, according to the present document, the measurement uncertainty figures shall be calculated in accordance with TR 100 028-1 [2] and shall correspond to an expansion factor (coverage factor) k = 1,96 or k = 2 (which provide confidence levels of respectively 95 % and 95,45 % in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)).

Table 6 is based on such expansion factors.

Table 6: Maximum measurement uncertainty

Parameter	UNCERTAINTY
Radio frequency	±0.8 × 10-7
RF power, conducted	0.2054
Maximum frequency deviation: -within 300 Hz and 6 kHz of audio frequency	1.3%
-within 6 kHz and 25 kHz of audio frequency	0.65 dB
Adjacent channel power	0.2054
Conducted spurious emission of transmitter, valid up to 6 GHz	0.2892
Conducted emission of receivers	+1.2/-1.1 dB
Radiated emission of transmitter, valid up to 6 GHz	±3.94 dB
Radiated emission of receiver, valid up to 6 GHz	±3.94 dB
RF level uncertainty for a given BER	±0.3 dB
Temperature	0.1979
Humidity	±1 %

5 FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at
☒ **No.10Weiye Rd., Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.**
The sites are constructed in conformance with the requirements of ANSI C63.10:2013 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, “Radio Interference Measuring Apparatus and Measurement Methods.”

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with preselectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, “Radio Interference Measuring Apparatus and Measurement Methods.”

5.3 TABLE OF ACCREDITATIONS AND LISTINGS

The test facilities used to perform radiated and conducted emissions tests are accredited by American Association for Laboratory Accreditation Program for the specific scope accreditation under Lab Code: 200581-0 to perform Electromagnetic Interference tests according to FCC Part 15 and CISPR 22 requirements. In addition, the test facilities are listed with Industry Canada, Certification and Engineering Bureau, 2324E-1 for 10m chamber 10m, 2324E-2 for 10m chamber 3m; the test facilities are listed with USA, Certification and Engineering Bureau, 424105 for 10m chamber 10m, 238958 for 10m chamber 3m.

5.4 TABLE OF ACCREDITATIONS AND LISTINGS

Country	Agency	Scope of Accreditation	Logo
USA	A2LA	47 CFR FCC Part 15/18 (using ANSI C63.10 :2013); VCCI V3; CNS 13438; CNS 13439; CNS 13803; CISPR 11; EN 55011; CISPR 13; EN 55013; CISPR 22:2005; CISPR 22:1997 +A1 :2000+A2 :2002; EN 55022:2006; EN55022 :1998 +A1 :2001+A2 :2003; EN 61000-6-3 (excluding discontinuous interference); EN 61000-6-4; AS/NZS CISPR 22; CAN/CSA-CEI/IEC CISPR 22; EN 61000-3-2; EN 61000-3-3; EN550024; EN 61000-4-2; EN 61000-4-3; EN61000-4-4; EN 61000-4-5; EN 61000-4-6; IEC 61000-4-8; EN 61000-4-11; IEC61000-3-2; IEC61000-3-3; IEC 61000-4-2; IEC 61000-4-3; IEC 61000-4-4; IEC 61000-4-5; IEC 61000-4-6; IEC 61000-4-8; IEC 61000-4-11; EN 300 220-3; EN 300 328; EN 300 330-2; EN 300 440-1; EN 300-440-2; EN 300 893; EN 301 489-01; EN 301 489-3; EN 301 489-07; EN 301 489-17; 47 CFR FCC Part 15, 22, 24	ACCREDITED TESTING CERT #2541.01
USA	FCC	3/10 meter Sites to perform FCC Part 15/18 measurements	93105, 90471
Japan	VCCI	3/10 meter Sites and conducted test sites to perform radiated/conducted measurements	VCCI R-1600 C-1707 G-216

** No part of this report may be used to claim or imply product endorsement by A2LA or any agency of the US Government.*

6 SETUP OF EQUIPMENT UNDER TEST

6.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

6.2 SUPPORT EQUIPMENT

No.	Equipment	Model No.	Serial No.
	N/A		

Remark:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2.Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

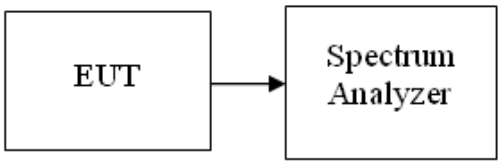
7 FCC PART 15 REQUIREMENTS

7.1 6 DB BANDWIDTH MEASUREMENT

LIMIT

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz.

Test Configuration



TEST PROCEDURE

1. Place the EUT on the table and set it in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low-loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as RBW =100KHz, VBW≥ 3RBW, Detector = Peak. Trace mode = max hold.
4. Measure the maximum width of the emission that is 6 dB down from the peak of the emission..
5. Measure and record the results in the test report

TEST RESULTS

No non-compliance noted

Test Data

Test mode: IEEE 802.11a mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	FCC 6 dB Bandwidth Min. Limit (MHz)
Low	5745	16.439	0.5
Mid	5785	16.419	0.5
High	5825	16.402	0.5

Test mode: IEEE 802.11n HT20 mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	FCC 6 dB Bandwidth Min. Limit (MHz)
Low	5745	17.711	0.5
Mid	5785	17.661	0.5
High	5825	17.679	0.5

Test mode: IEEE 802.11n HT40 mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	FCC 6 dB Bandwidth Min. Limit (MHz)
Low	5755	36.050	0.5
High	5795	36.272	0.5

Test mode: IEEE 802.11ac VHT20 mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	FCC 6 dB Bandwidth Min. Limit (MHz)
Low	5745	17.680	0.5
Mid	5785	17.656	0.5
High	5825	17.473	0.5

Test mode: IEEE 802.11ac VHT40 mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	FCC 6 dB Bandwidth Min. Limit (MHz)
Low	5755	35.910	0.5
High	5795	36.351	0.5

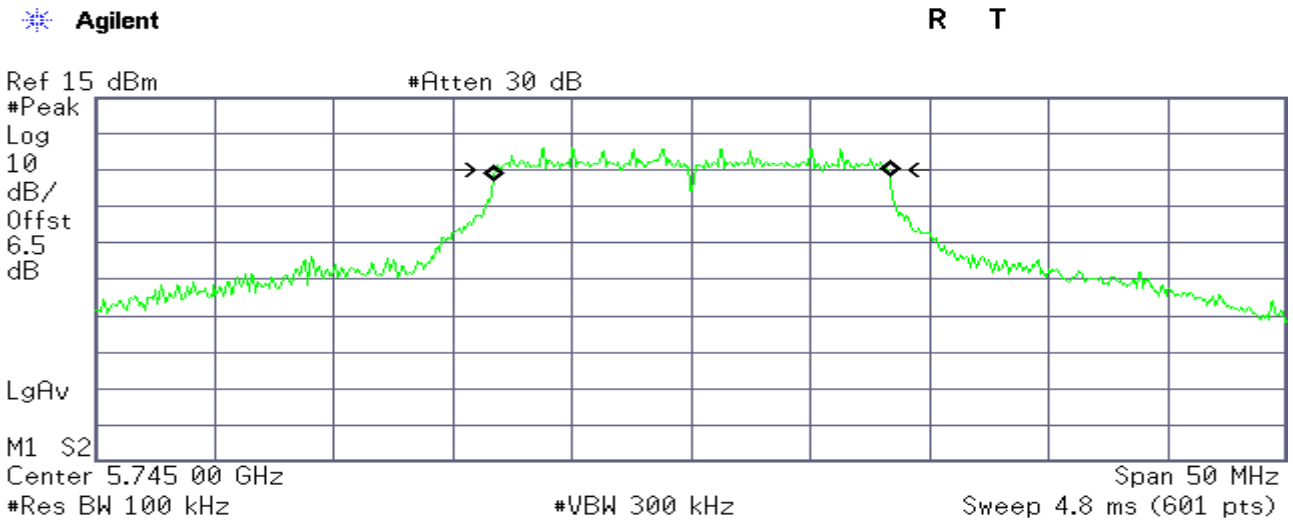
Test mode: IEEE 802.11ac VHT80 mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	FCC 6 dB Bandwidth Min. Limit (MHz)
Mid	5775	75.685	0.5

Test Plot

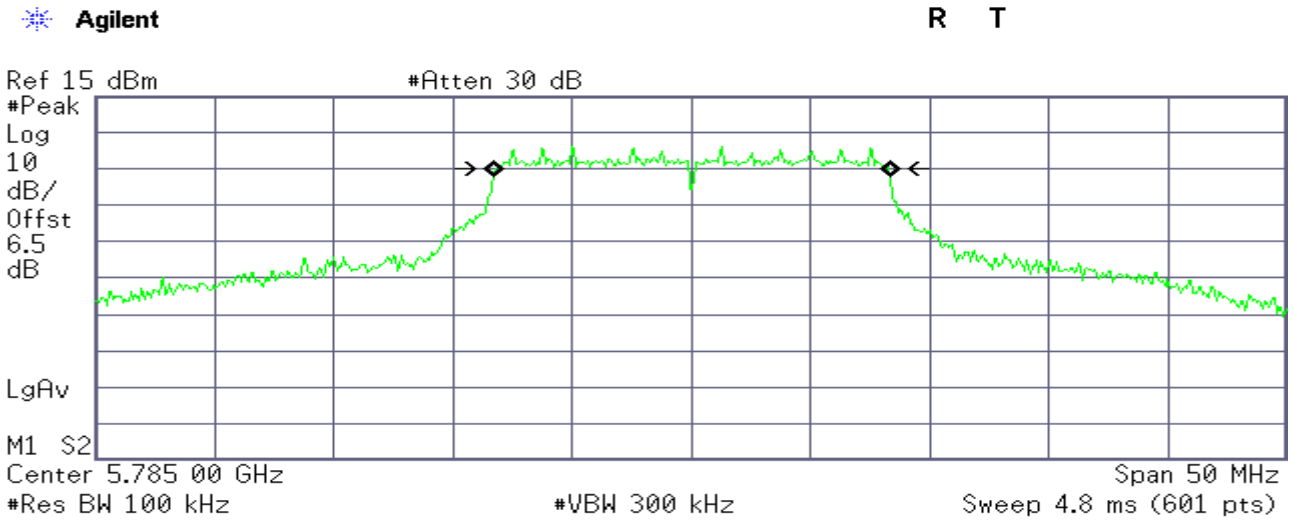
IEEE 802.11a mode

6dB Bandwidth (CH Low)



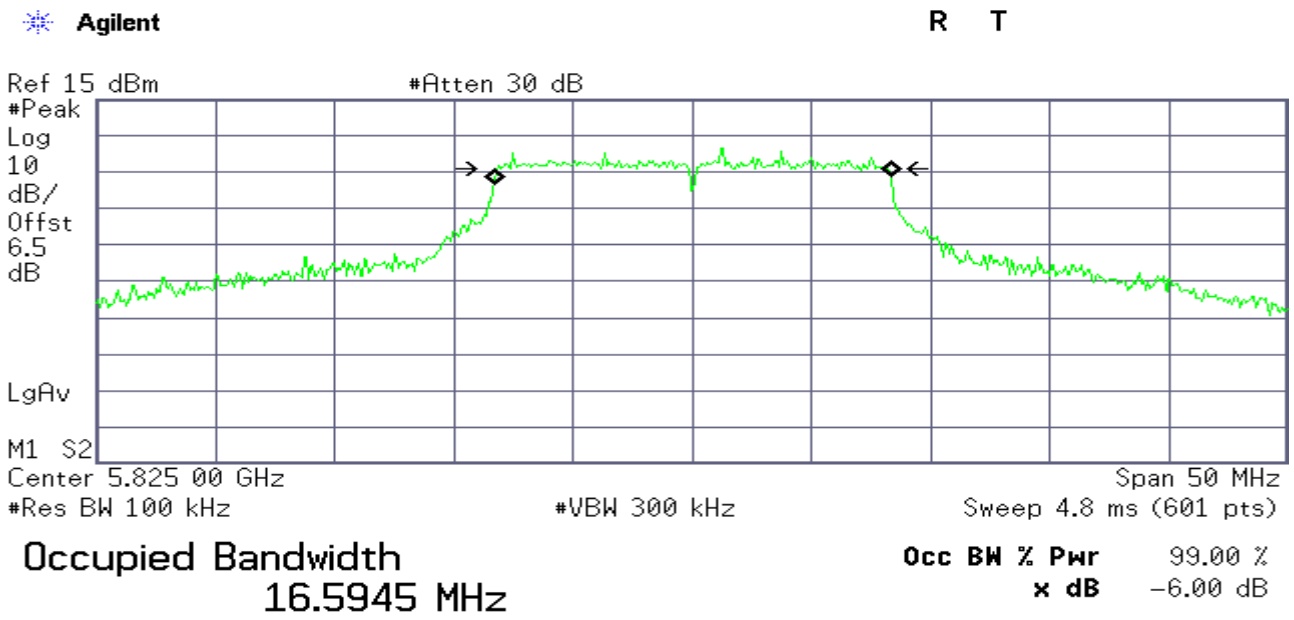
Transmit Freq Error	20.893 kHz
x dB Bandwidth	16.439 MHz

6dB Bandwidth (CH Mid)



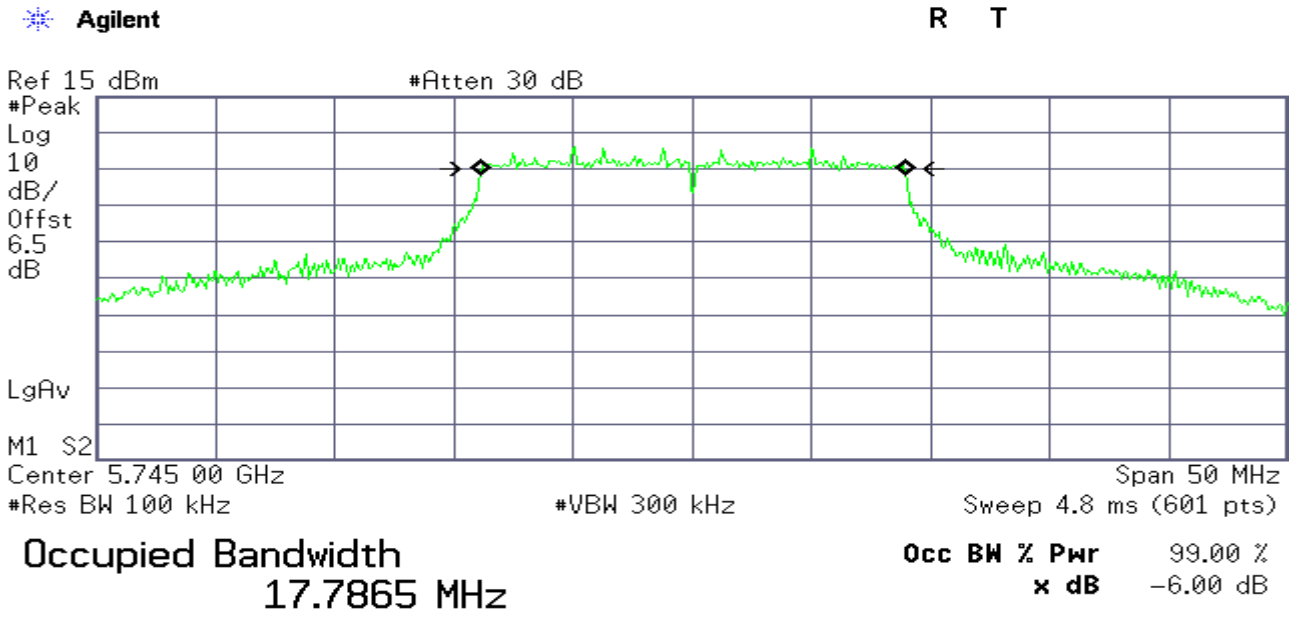
Transmit Freq Error	24.762 kHz
Occupied Bandwidth	16.419 MHz

6dB Bandwidth (CH High)

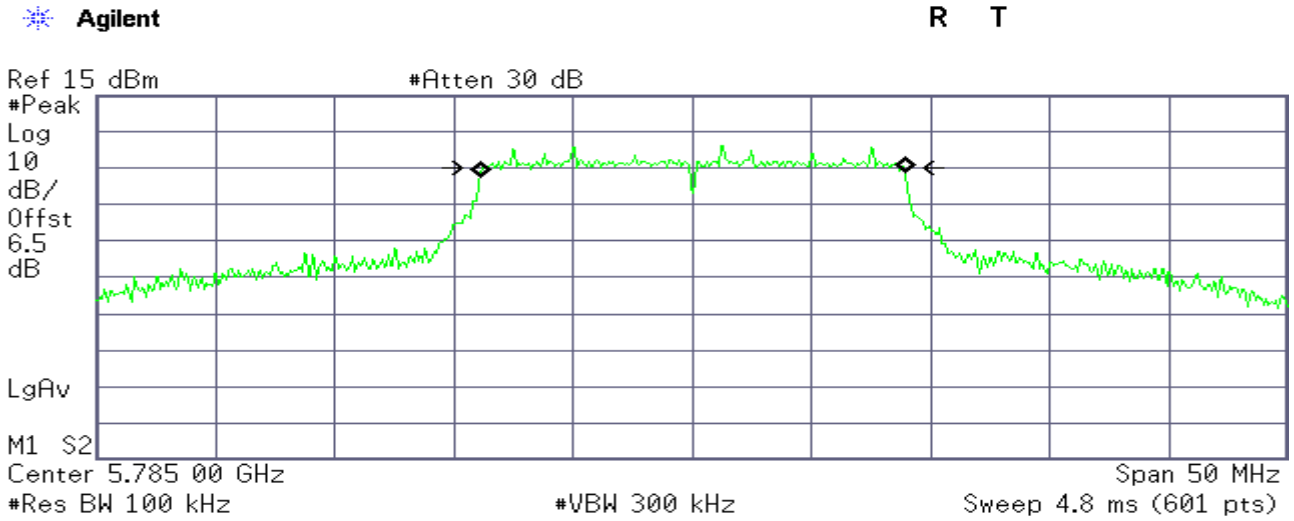


IEEE 802.11n HT20 mode

6dB Bandwidth (CH Low)



6dB Bandwidth (CH Mid)

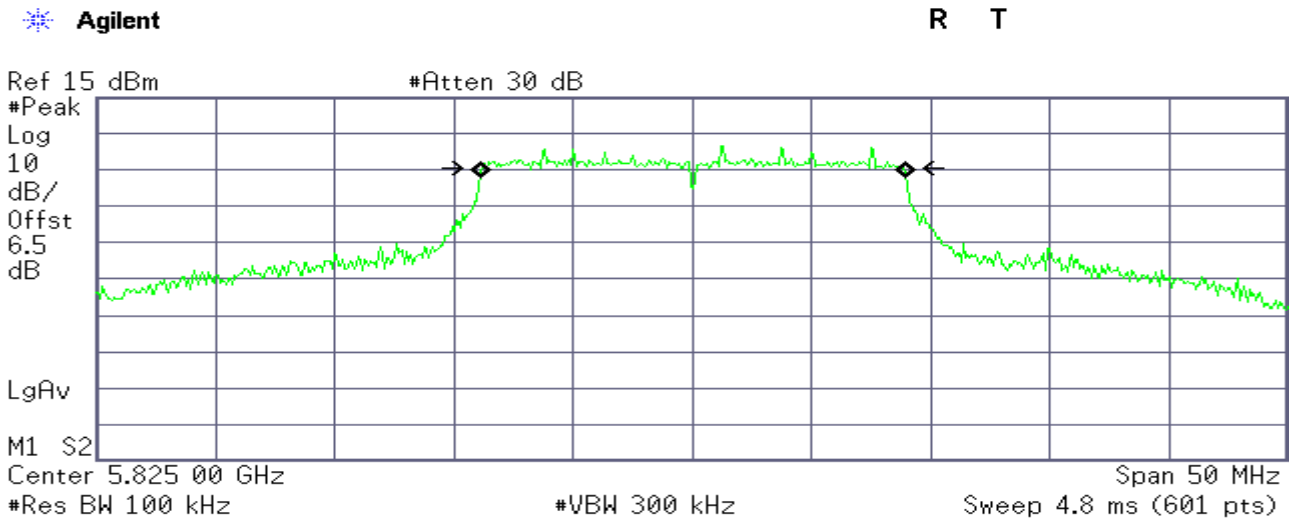


Occupied Bandwidth
17.7676 MHz

Occ BW % Pwr 99.00 %
x dB -6.00 dB

Transmit Freq Error 26.930 kHz
x dB Bandwidth 17.661 MHz

6dB Bandwidth (CH High)



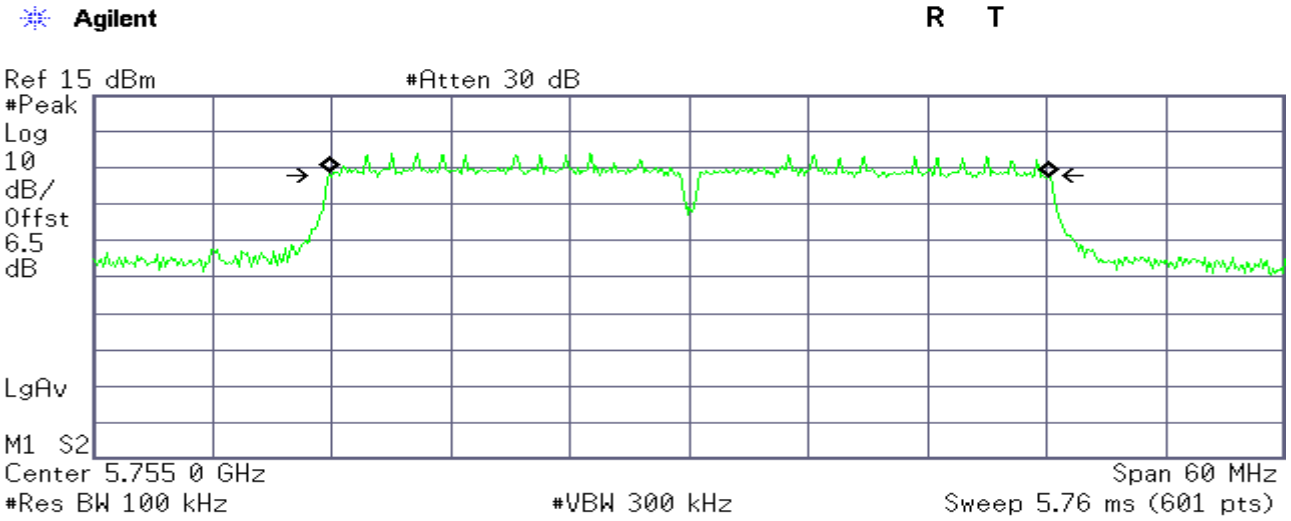
Occupied Bandwidth
17.7848 MHz

Occ BW % Pwr 99.00 %
x dB -6.00 dB

Transmit Freq Error 32.183 kHz
x dB Bandwidth 17.679 MHz

IEEE 802.11n HT40 mode

6dB Bandwidth (CH Low)

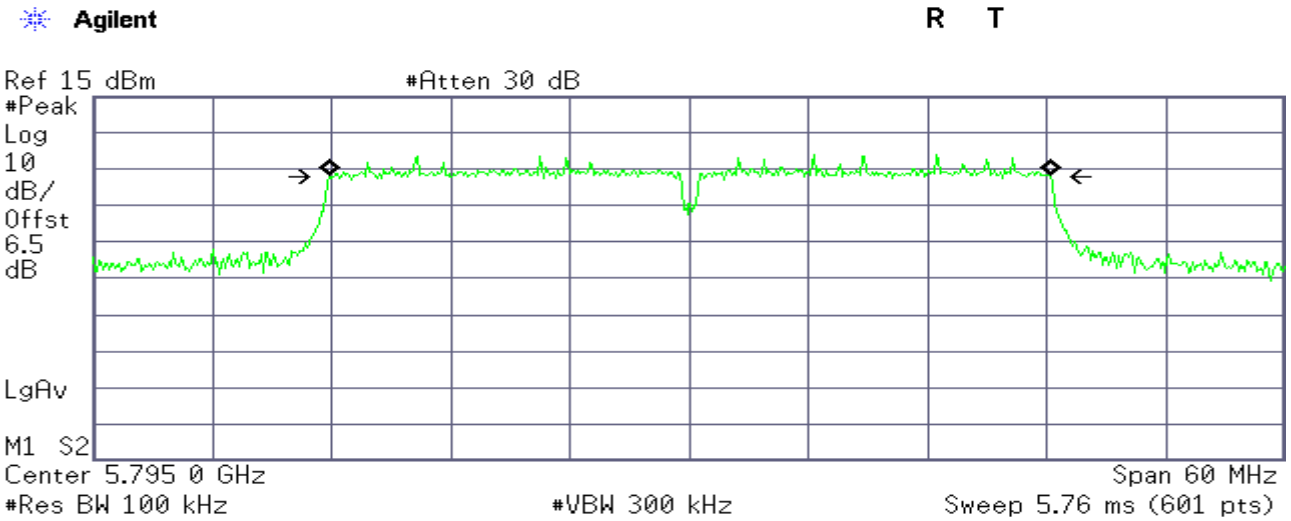


Occupied Bandwidth
36.1893 MHz

Occ BW % Pwr 99.00 %
x dB -6.00 dB

Transmit Freq Error 18.649 kHz
x dB Bandwidth 36.050 MHz

6dB Bandwidth (CH High)



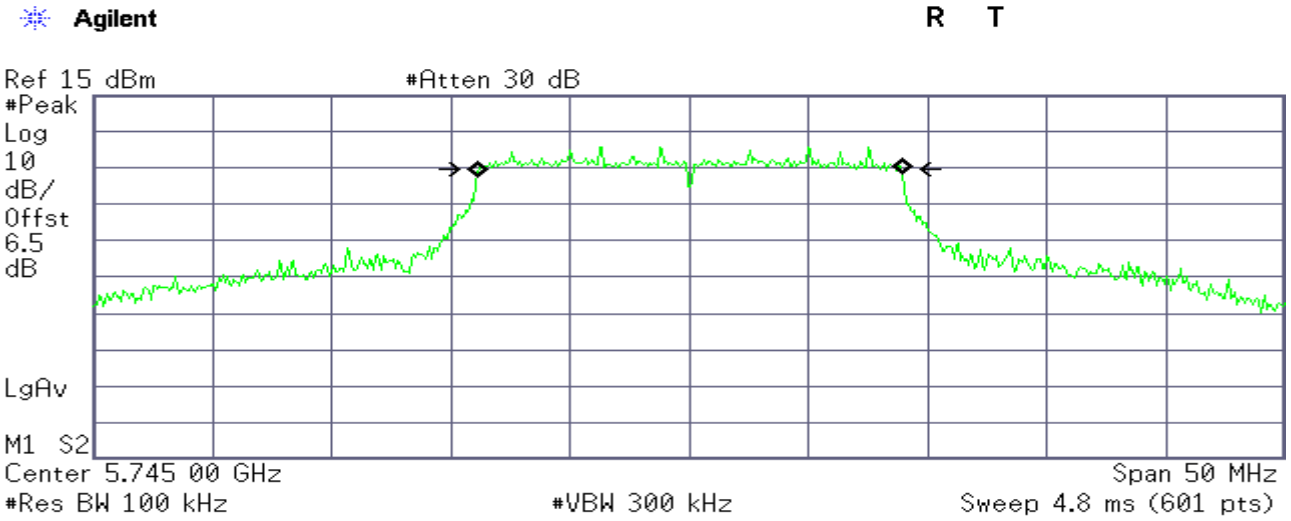
Occupied Bandwidth
36.2307 MHz

Occ BW % Pwr 99.00 %
x dB -6.00 dB

Transmit Freq Error 37.305 kHz
x dB Bandwidth 36.272 MHz

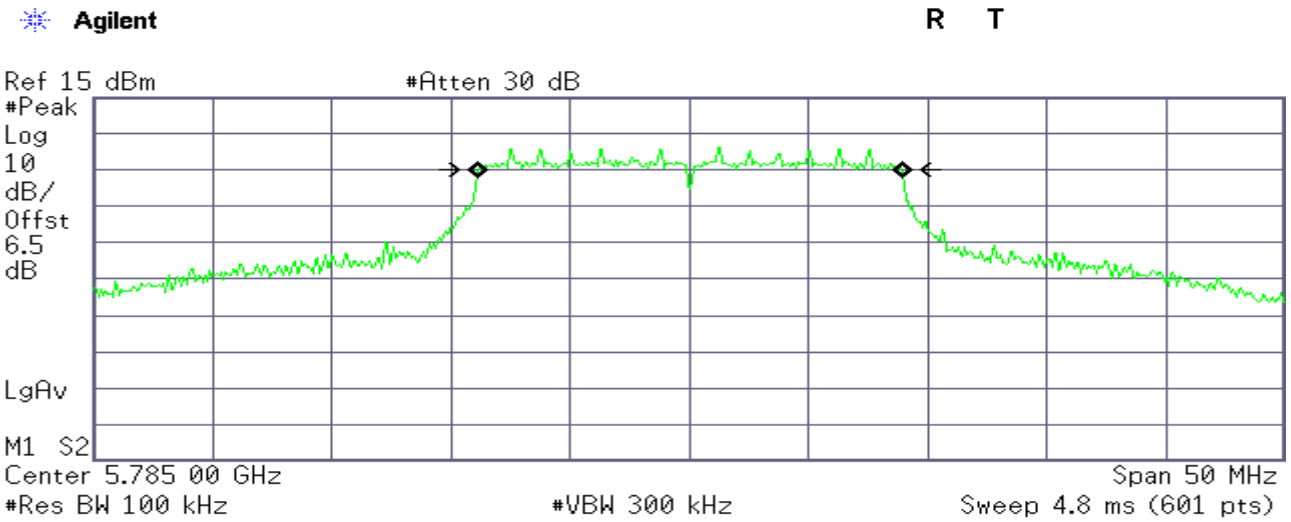
IEEE 802.11ac VHT20 mode

6dB Bandwidth (CH Low)



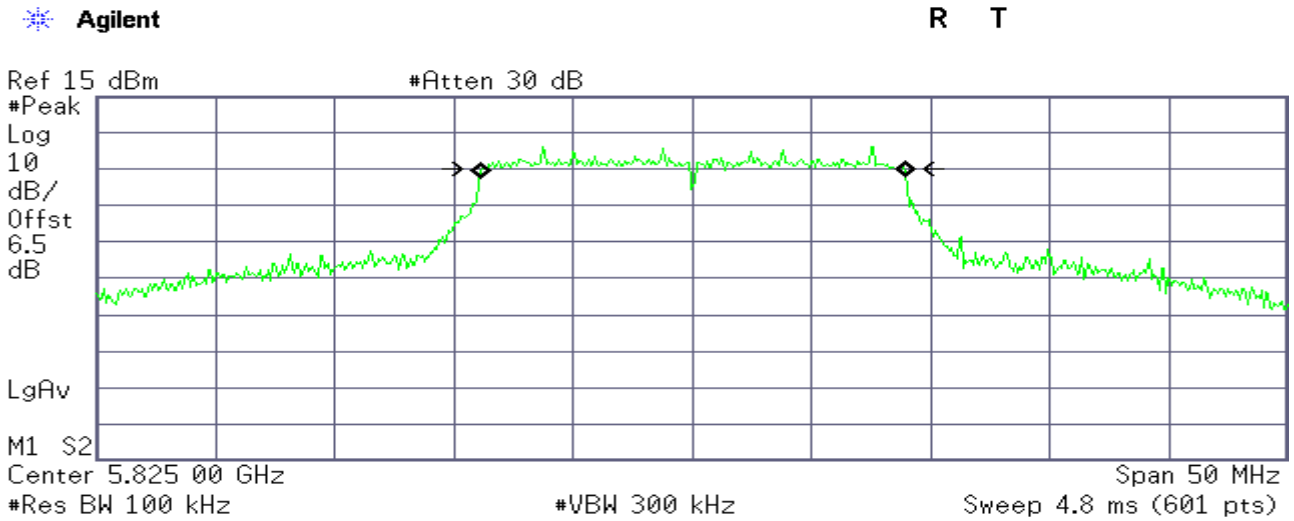
Transmit Freq Error 29.913 kHz
x dB Bandwidth 17.680 MHz

6dB Bandwidth (CH Mid)



Transmit Freq Error 36.131 kHz
x dB Bandwidth 17.656 MHz

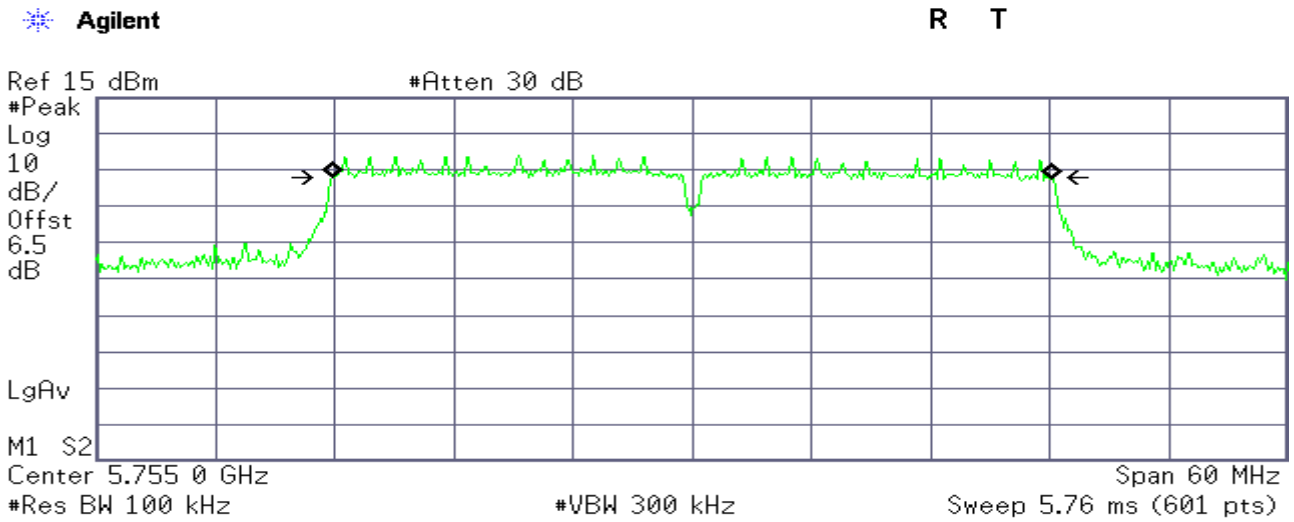
6dB Bandwidth (CH High)



Transmit Freq Error	36.074 kHz
x dB Bandwidth	17.473 MHz

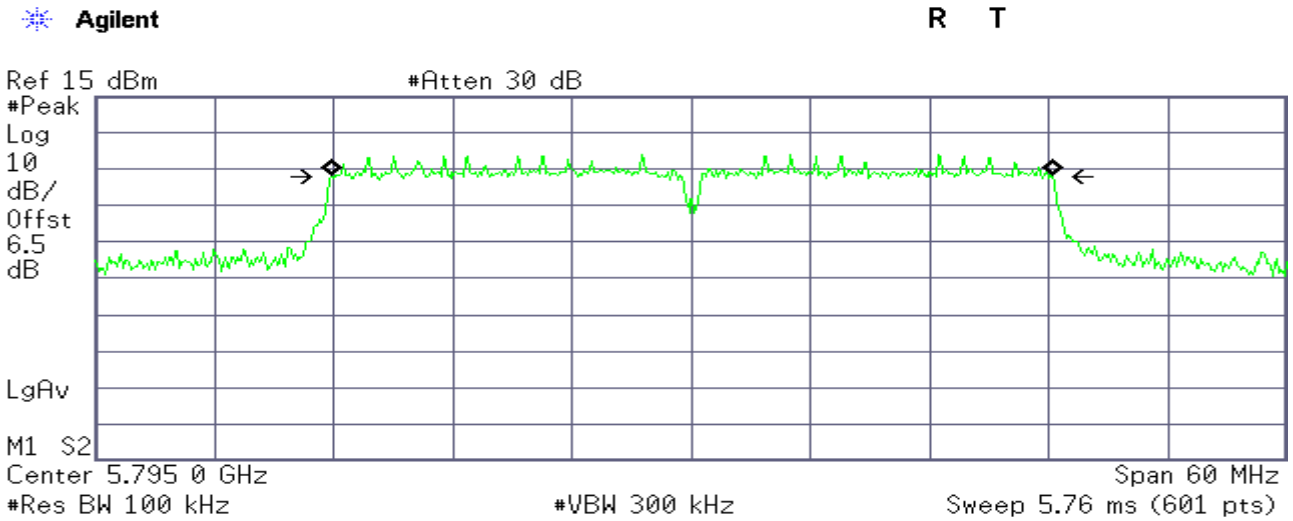
IEEE 802.11ac VHT40 mode

6dB Bandwidth (CH Low)



Transmit Freq Error	15.480 kHz
x dB Bandwidth	35.910 MHz

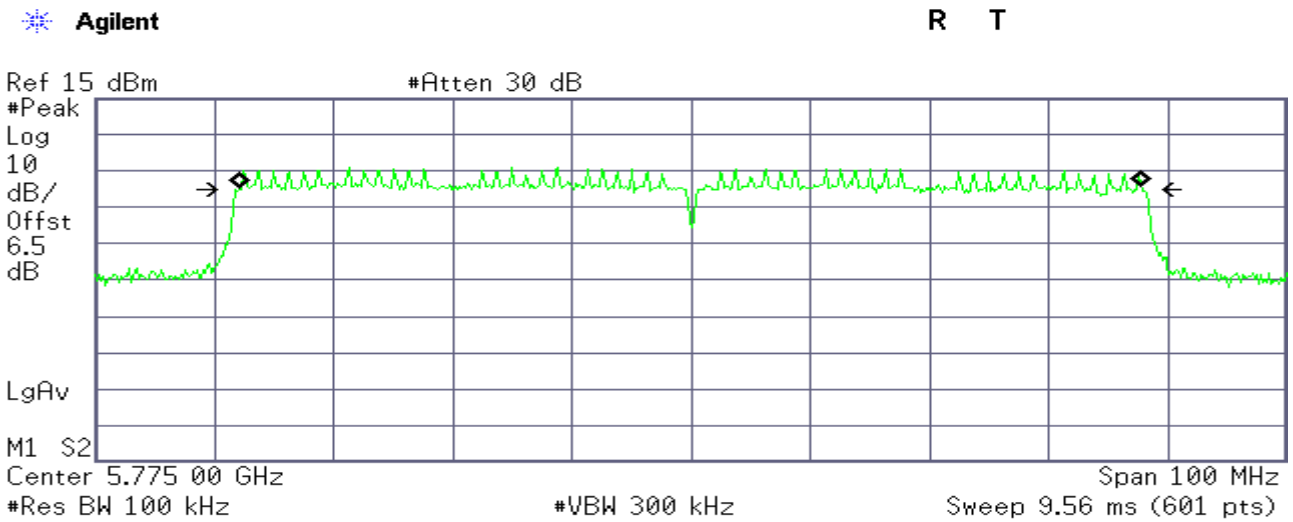
6dB Bandwidth (CH High)



Transmit Freq Error	32.379 kHz
x dB Bandwidth	36.351 MHz

IEEE 802.11ac VHT80 mode

6dB Bandwidth (CH Mid)



Transmit Freq Error	-7.872 kHz
x dB Bandwidth	75.685 MHz

7.2 MAXIMUM CONDUCTED OUTPUT POWER

LIMIT

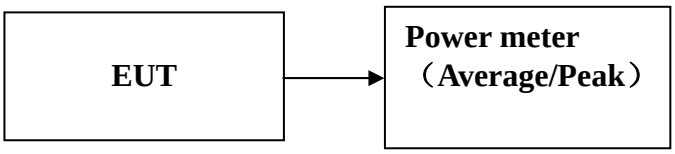
According to §15.407(a),

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

If transmitting antennas of directional gain greater than 6dBi are used, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

The peak power shall not exceed the limit as follow:

Test Configuration



The EUT was connected to a spectrum analyzer through a 50Ω RF cable.

TEST PROCEDURE

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.

TEST RESULTS

No non-compliance noted

Test Data

Test mode: IEEE 802.11a mode

5725~5850MHz

Channel	Frequency (MHz)	Average Conducted Power(dBm)	Limit (dBm)
Low	5745	1300	30
Mid	5785	12.44	30
High	5825	12.35	30

Test mode: IEEE 802.11n HT20 mode
5725~5850MHz

Channel	Frequency (MHz)	Average Conducted Power(dBm)	Limit (dBm)
Low	5745	12.51	30
Mid	5785	12.30	30
High	5825	12.22	30

Test mode: IEEE 802.11n HT40 mode
5725~5850MHz

Channel	Frequency (MHz)	Average Conducted Power(dBm)	Limit (dBm)
Low	5755	12.76	30
High	5795	12.73	30

Test mode: IEEE 802.11ac VHT20 mode

5725~5850MHz

Channel	Frequency (MHz)	Average Conducted Power(dBm)	Limit (dBm)
Low	5745	12.58	30
Mid	5785	12.35	30
High	5825	12.26	30

Test mode: IEEE 802.11ac VHT40 mode

5725~5850MHz

Channel	Frequency (MHz)	Average Conducted Power(dBm)	Limit (dBm)
Low	5755	12.72	30
High	5795	12.67	30

Test mode: IEEE 802.11ac VHT80 mode

5725~5850MHz

Channel	Frequency (MHz)	Average Conducted Power(dBm)	Limit (dBm)
Mid	5775	12.33	30

Note:Duty factor has been offseted with cableloss

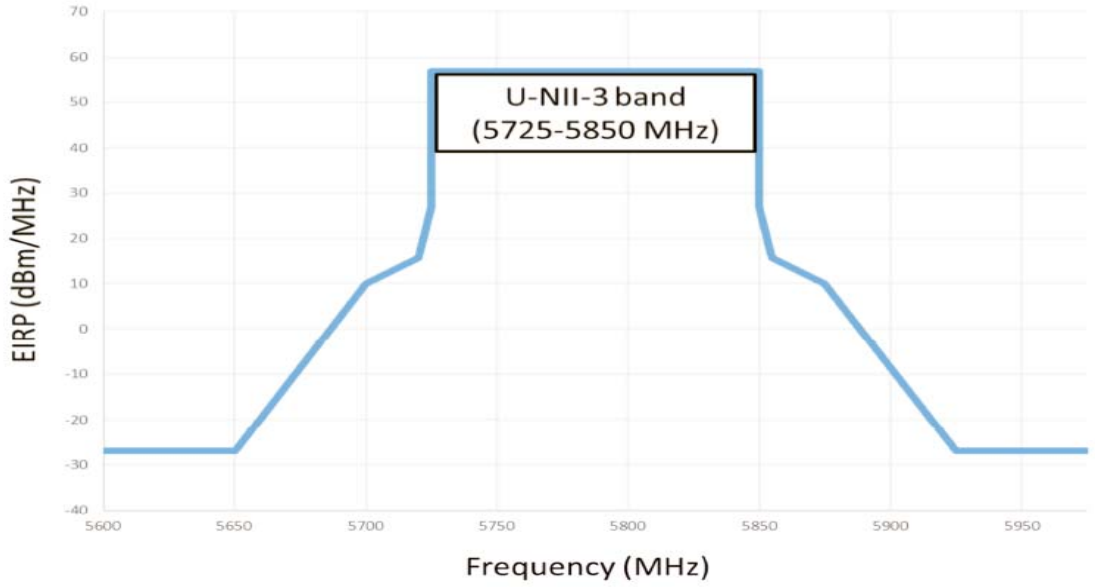
7.3 BAND EDGES MEASUREMENT

LIMIT

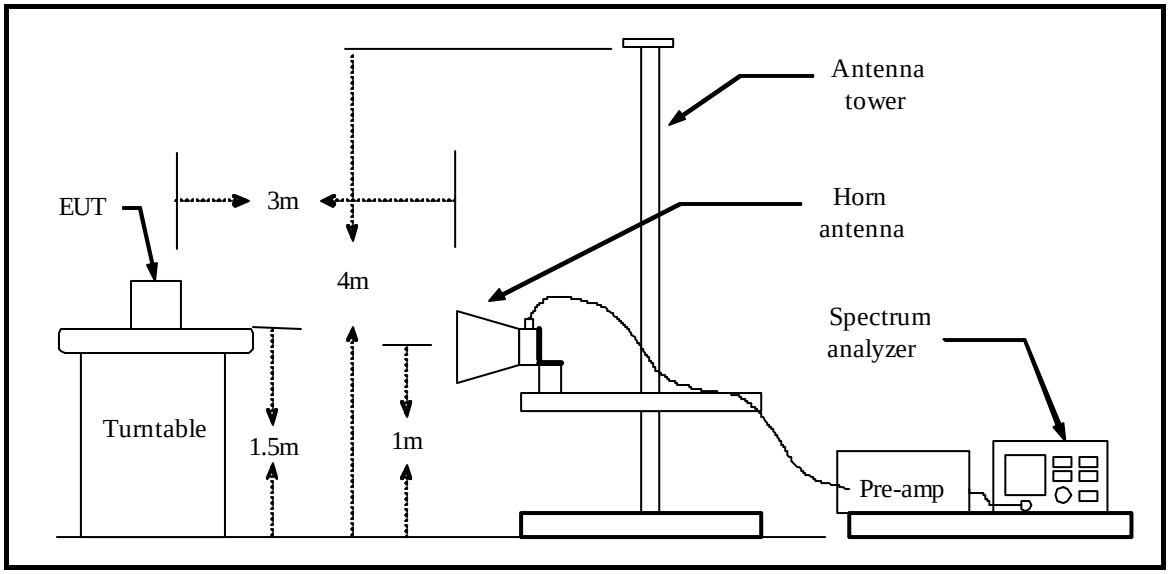
According to §15.407(b),
(1) The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.
(2) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency block edges as the design of the equipment permits.

1. According to APPENDIX A Final Rules of FCC-16-24A1,For transmitters operating in the 5.725-5.85 GHz band:

   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.



Test Configuration



TEST PROCEDURE

1. The EUT is placed on a turntable, which is 1.5m above the ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
   (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
   (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO
5. Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.

TEST RESULTS

Refer to attach spectrum analyzer data chart.

Operation Mode:	Tx / IEEE 802.11a mode CH/ Low	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5713.725	56.53	1.28	57.81	109.04	-51.23	100	165	peak
2	5723.150	60.64	1.28	61.92	117.98	-56.06	100	162	peak
3	N/A								

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5716.325	60.68	1.28	61.96	109.77	-47.81	100	218	peak
2	5722.175	63.96	1.28	65.24	115.76	-50.52	100	212	peak
3	N/A								

Operation Mode:	Tx / IEEE 802.11a mode/ CH High	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5850.550	58.33	1.27	59.60	120.95	-61.35	100	201	peak
2	5896.050	53.34	1.27	54.61	89.62	-35.01	100	160	peak
3	N/A								

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5850.550	61.94	1.27	63.21	120.95	-57.74	100	148	peak
2	5856.725	59.11	1.27	60.38	110.32	-49.94	100	216	peak
3	N/A								

Operation Mode:	Tx / IEEE 802.11n HT20 mode/ CH Low	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5716.650	59.08	1.28	60.36	109.86	-49.50	100	169	peak
2	5722.500	65.75	1.28	67.03	116.50	-49.47	100	169	peak
3	N/A								

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5716.975	61.75	1.28	63.03	109.95	-46.92	100	218	peak
2	5723.800	67.83	1.28	69.11	119.46	-50.35	100	215	peak
3	N/A								

Operation Mode:	Tx / IEEE 802.11n HT20 mode/ CH High	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5850.550	59.19	1.27	60.46	120.95	-60.49	100	199	peak
2	5895.400	51.78	1.27	53.05	90.10	-37.05	100	158	peak
3	N/A								

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5850.875	61.63	1.27	62.90	120.20	-57.30	100	140	peak
2	5894.425	54.92	1.27	56.19	90.83	-34.64	100	130	peak
3	N/A								

Operation Mode:	Tx / IEEE 802.11n HT40 mode/ CH Low	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5712.100	66.82	1.28	68.10	108.59	-40.49	100	164	peak
2	5718.275	71.53	1.28	72.81	110.32	-37.51	100	164	peak
3	N/A								

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5710.150	70.06	1.28	71.34	108.04	-36.70	100	220	peak
2	5716.325	74.96	1.28	76.24	109.77	-33.53	100	213	peak
3	N/A								
4									

Operation Mode:	Tx / IEEE 802.11n HT40 mode/ CH High	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5854.125	57.21	1.27	58.48	112.80	-54.32	100	201	peak
2	5867.775	54.56	1.27	55.83	107.22	-51.39	100	160	peak
3	N/A								

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5850.875	59.23	1.27	60.50	120.20	-59.70	100	219	peak
2	5861.275	59.06	1.27	60.33	109.04	-48.71	100	212	peak
3	N/A								

Operation Mode:	Tx / IEEE 802.11ac VHT20 mode/ CH Low	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5723.150	62.23	1.28	63.51	117.98	-54.47	100	163	peak
2	5724.775	70.58	1.28	71.86	121.69	-49.83	100	167	peak
3	N/A								

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5714.700	58.55	1.28	59.83	109.32	-49.49	100	210	peak
2	5723.150	67.03	1.28	68.31	117.98	-49.67	100	260	peak
3	N/A								

Operation Mode:	Tx / IEEE 802.11ac VHT20 mode/ CH High	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5853.800	58.38	1.27	59.65	113.54	-53.89	100	160	peak
2	5874.600	54.52	1.27	55.79	105.31	-49.52	100	127	peak
3	N/A								

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5851.200	62.03	1.27	63.30	119.46	-56.16	100	216	peak
2	5891.500	53.94	1.27	55.21	92.99	-37.78	100	137	peak
3	N/A								

Operation Mode:	Tx / IEEE 802.11ac VHT40 mode/ CH Low	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5712.425	69.83	1.28	71.11	108.68	-37.57	100	161	peak
2	5723.150	72.22	1.28	73.50	117.98	-44.48	100	165	peak
3	N/A								

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5711.450	69.35	1.28	70.63	108.41	-37.78	100	214	peak
2	5720.875	71.27	1.28	72.55	112.80	-40.25	100	214	peak
3	N/A								

Operation Mode:	Tx / IEEE 802.11ac VHT40 mode/ CH High	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5858.350	55.58	1.27	56.85	109.86	-53.01	100	202	peak
2	5872.975	54.85	1.27	56.12	105.77	-49.65	100	162	peak
3	N/A								

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5855.100	59.39	1.27	60.66	110.77	-50.11	100	208	peak
2	5866.800	58.51	1.27	59.78	107.50	-47.72	100	215	peak
3	N/A								

Operation Mode:	Tx / IEEE 802.11ac VHT80 mode/ CH Mid	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5697.800	61.74	1.28	63.02	103.57	-40.55	100	165	peak
2	5717.625	62.93	1.28	64.21	110.13	-45.92	100	165	peak
3	5865.175	54.99	1.27	56.26	107.95	-51.69	100	127	peak
4	N/A								

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5698.125	62.06	1.28	63.34	103.81	-40.47	100	137	peak
2	5717.950	64.81	1.28	66.09	110.23	-44.14	100	130	peak
3	5857.050	61.07	1.27	62.34	110.23	-47.89	100	208	peak
4	N/A								

7.4 POWER SPECTRAL DENSITY

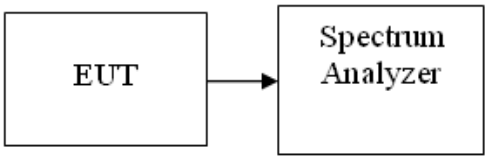
LIMIT

According to §15.407(a),

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6dBi are used, both the maximum *transmit power and the* maximum *power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.*

Test Configuration



TEST PROCEDURE

1. The testing follows Method SA-2 of FCC KDB 789033 D01 General UNII Test Procedures v01r04.
2. Measure the duty cycle, Set span to encompass the entire emission bandwidth (EBW) of the signal. Set RBW = 300 kHz. Set VBW ≥ 1 MHz. Number of points in sweep ≥ 2 Span / RBW. Sweep time = auto. Detector = RMS, Trace average at least 100 traces in power averaging mode. Add 10 log(500kHz/RBW) to the test result. Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.
3. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
4. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (1): Measure and sum the spectra across the outputs. The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

TEST RESULTS

No non-compliance noted

Test Data

Test mode: IEEE 802.11a mode

5725~5850MHz

Channel	Frequency (MHz)	Average PSD(dBm/300kHz)	10log (500kHz/RBW) Factor(dB)	Average PSD (dBm/500kHz)	Average PSD Limit (dBm/500kHz)	Result
Low	5745	3.17	2.22	5.39	30.00	PASS
Mid	5785	2.67	2.22	4.89	30.00	PASS
High	5825	3.01	2.22	5.23	30.00	PASS

Test mode: IEEE 802.11n HT20 mode

5725~5850MHz

Channel	Frequency (MHz)	Average PSD(dBm/300kHz)	10log (500kHz/RBW) Factor(dB)	Average PSD (dBm/500kHz)	Average PSD Limit (dBm/500kHz)	Result
Low	5745	3.82	2.22	6.04	30.00	PASS
Mid	5785	2.53	2.22	4.75	30.00	PASS
High	5825	3.40	2.22	5.62	30.00	PASS

Test mode: IEEE 802.11n HT40 mode

5725~5850MHz

Channel	Frequency (MHz)	Average PSD(dBm/300kHz)	10log (500kHz/RBW) Factor(dB)	Average PSD (dBm/500kHz)	Average PSD Limit (dBm/500kHz)	Result
Low	5755	-0.22	2.22	2.00	30.00	PASS
High	5795	-0.22	2.22	2.00	30.00	PASS

Test mode: IEEE 802.11ac VHT20 mode

5725~5850MHz

Channel	Frequency (MHz)	Average PSD(dBm/300kHz)	10log (500kHz/RBW) Factor(dB)	Average PSD (dBm/500kHz)	Average PSD Limit (dBm/500kHz)	Result
Low	5745	2.85	2.22	5.07	30.00	PASS
Mid	5785	2.54	2.22	4.76	30.00	PASS
High	5825	3.46	2.22	5.68	30.00	PASS

Test mode: IEEE 802.11ac VHT40 mode

5725~5850MHz

Channel	Frequency (MHz)	Average PSD(dBm/300kHz)	10log (500kHz/RBW) Factor(dB)	Average PSD (dBm/500kHz)	Average PSD Limit (dBm/500kHz)	Result
Low	5755	0.12	2.22	2.34	30.00	PASS
High	5795	-0.20	2.22	2.02	30.00	PASS

Test mode: IEEE 802.11ac VHT80 mode

5725~5850MHz

Channel	Frequency (MHz)	Average PSD(dBm/300kHz)	10log (500kHz/RBW) Factor(dB)	Average PSD (dBm/500kHz)	Average PSD Limit (dBm/500kHz)	Result
Mid	5775	-3.58	2.22	-1.36	30.00	PASS

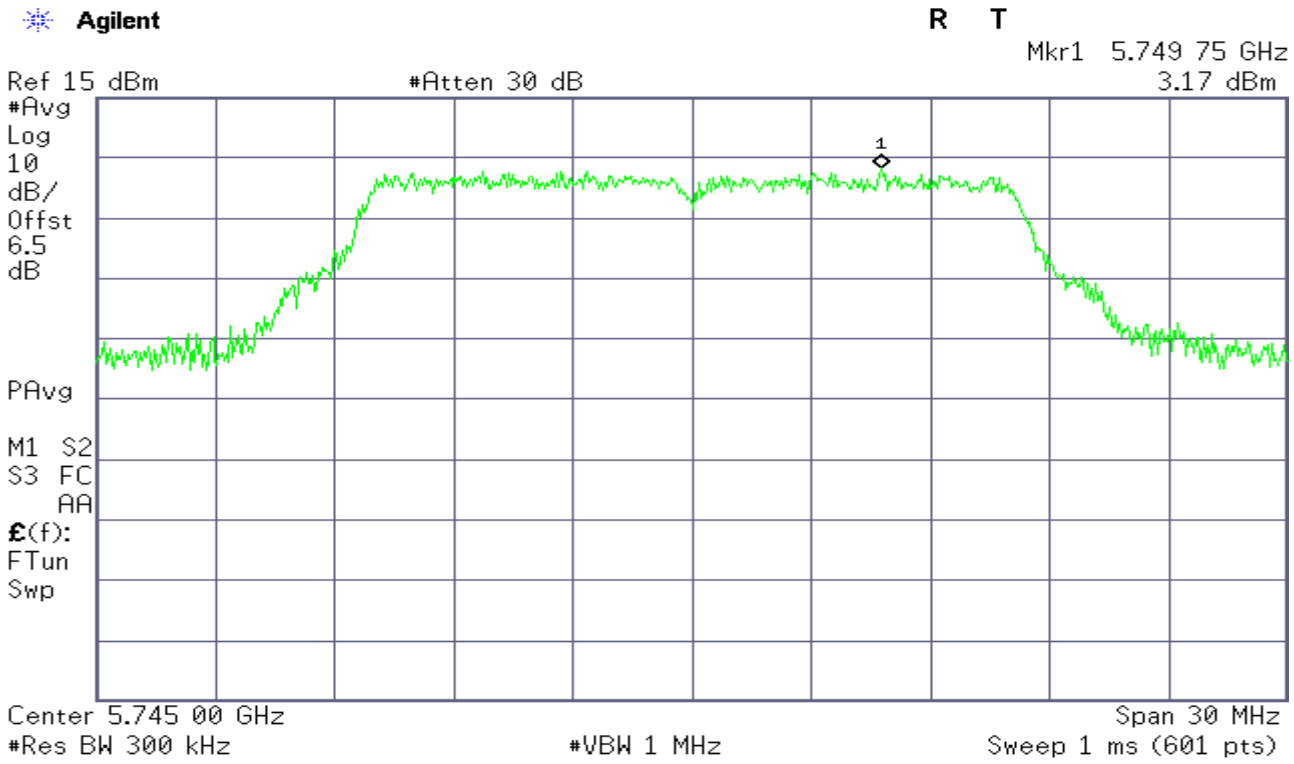
Note:Duty factor has been offseted with cableloss

Test Plot

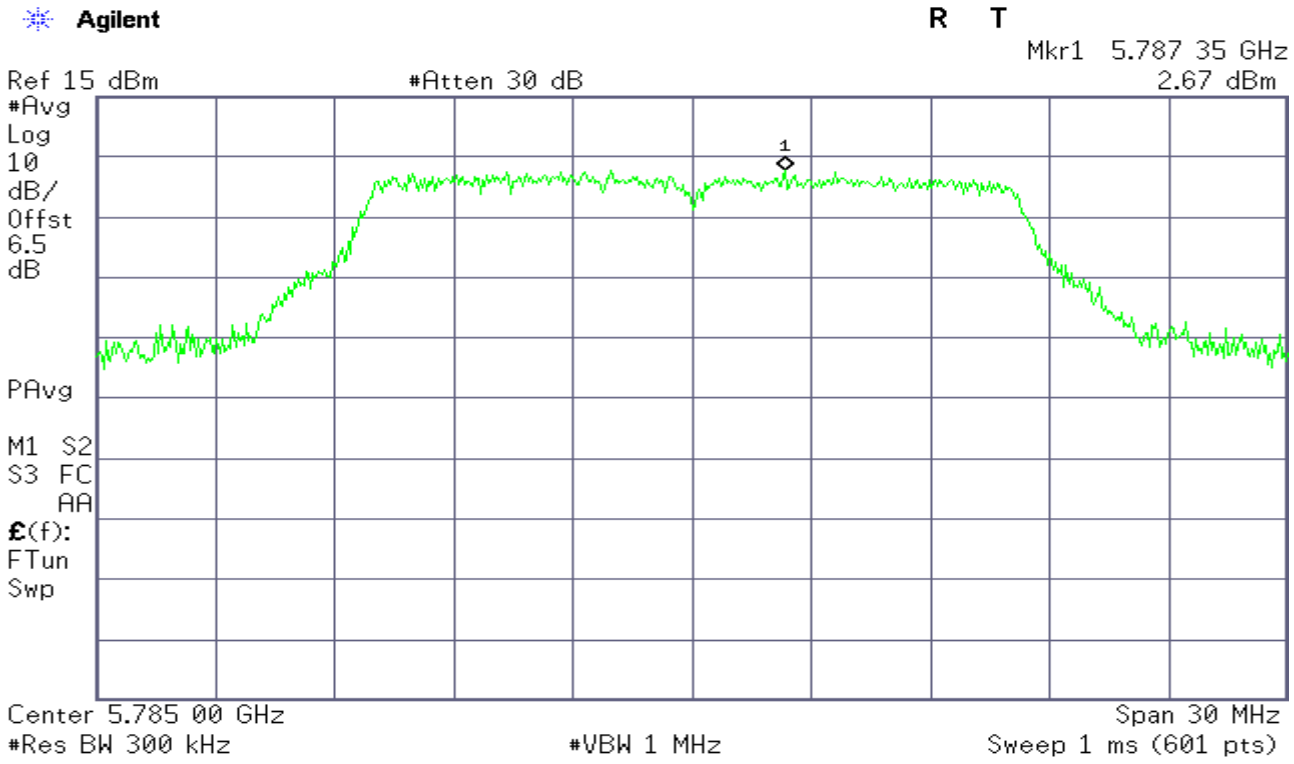
IEEE 802.11a mode

5725~5850MHz

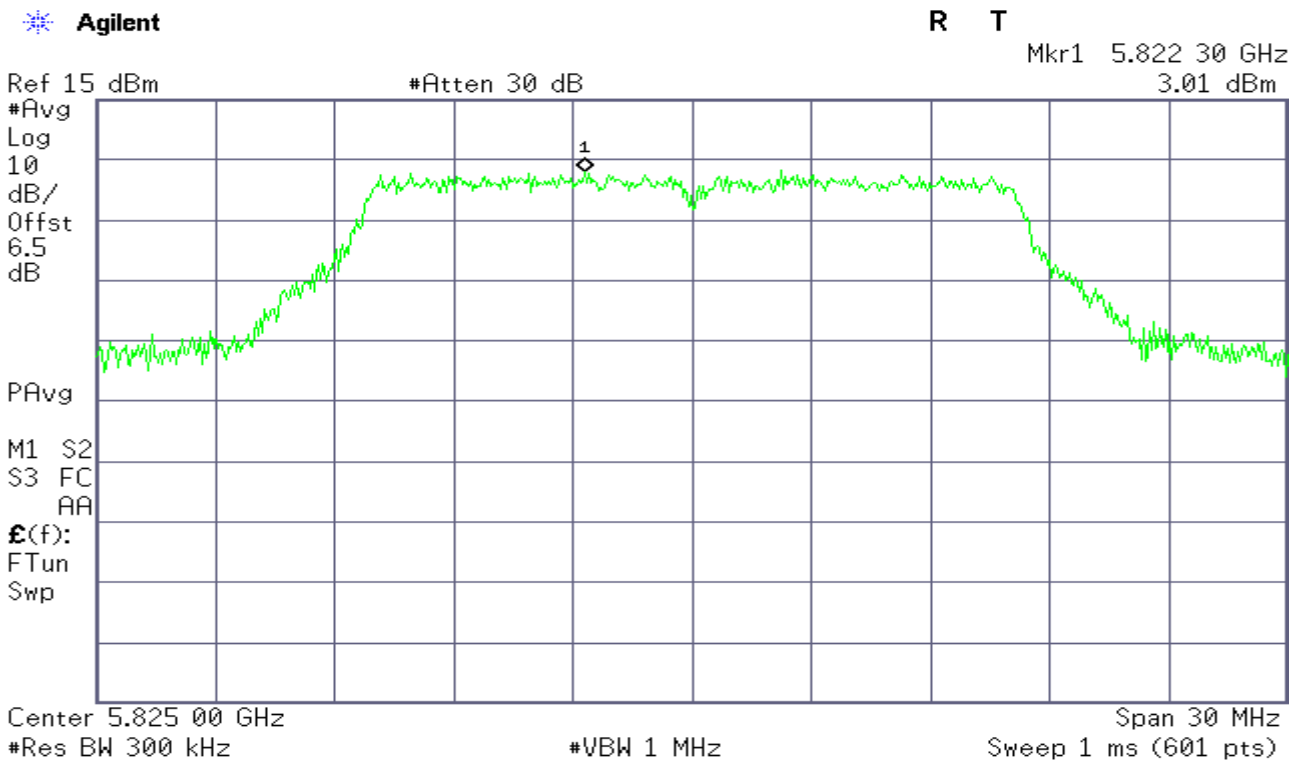
CH Low



CH Mid

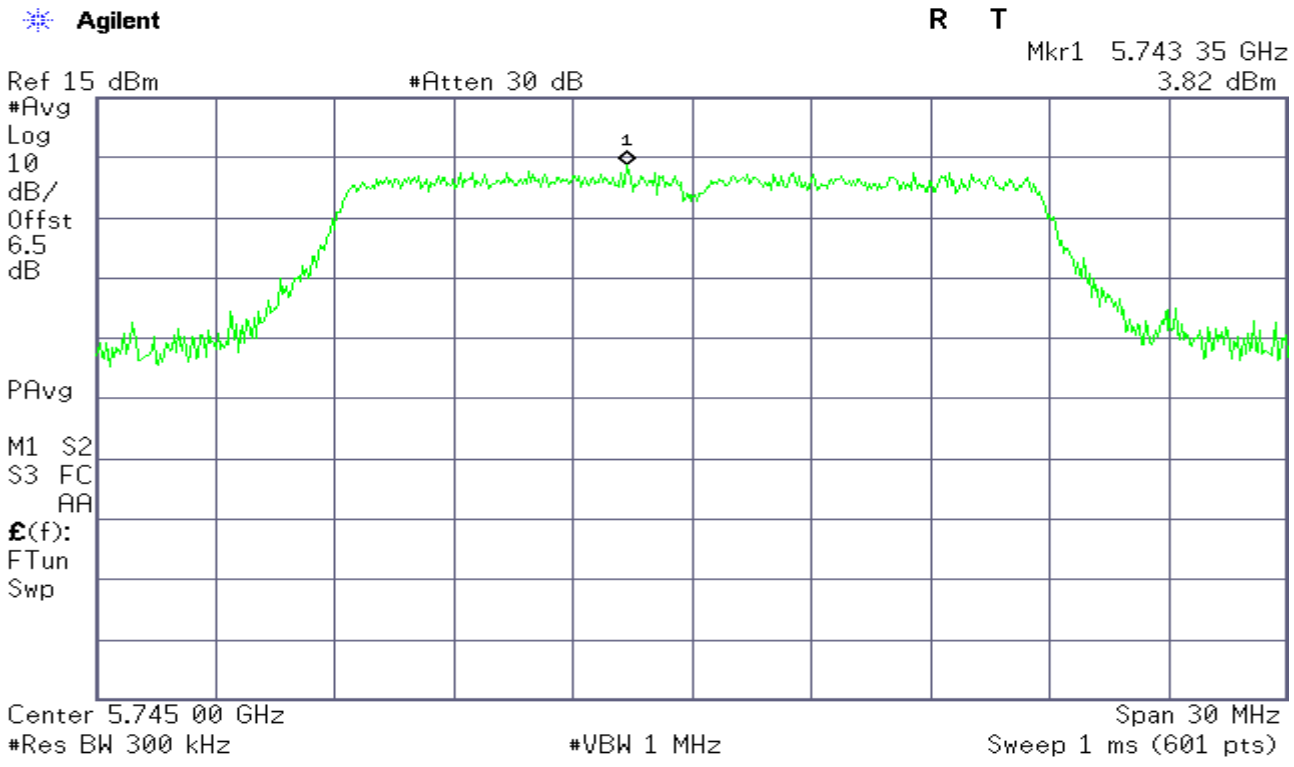


CH High

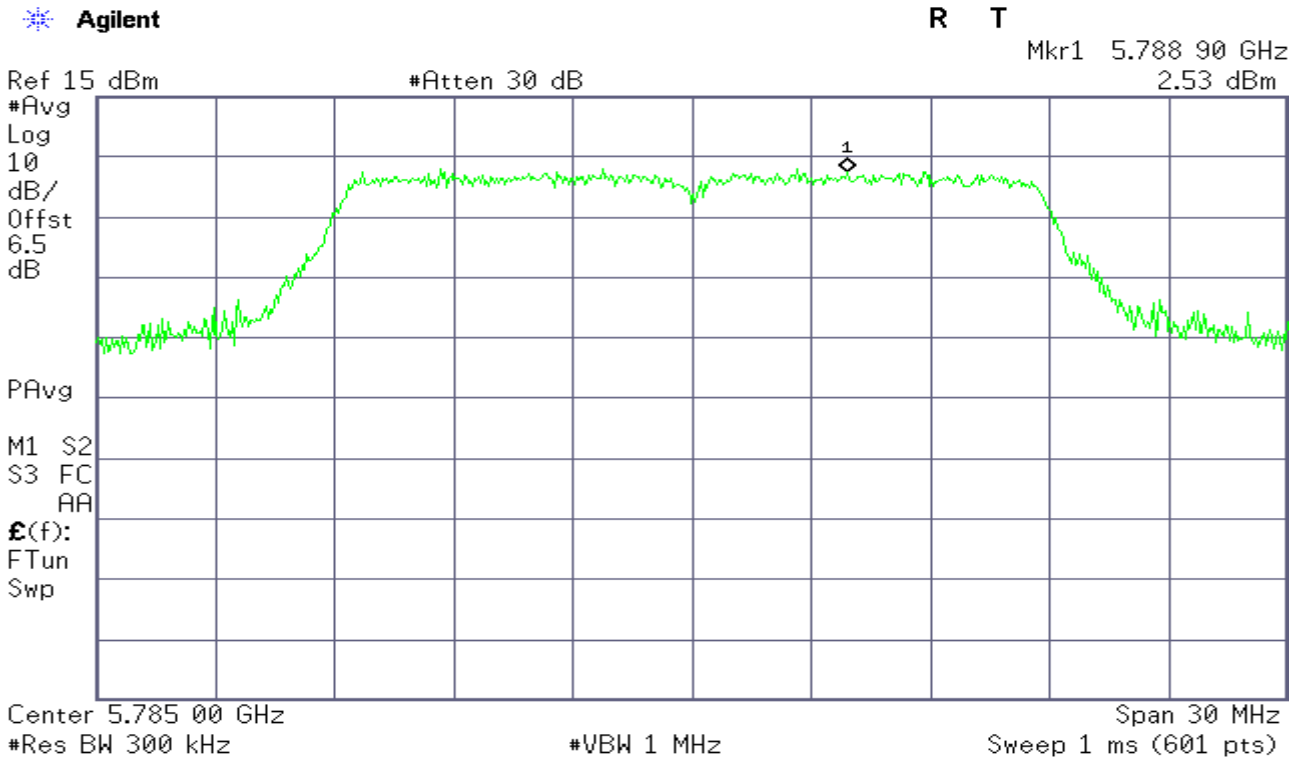


IEEE 802.11n HT20 mode
5725~5850MHz

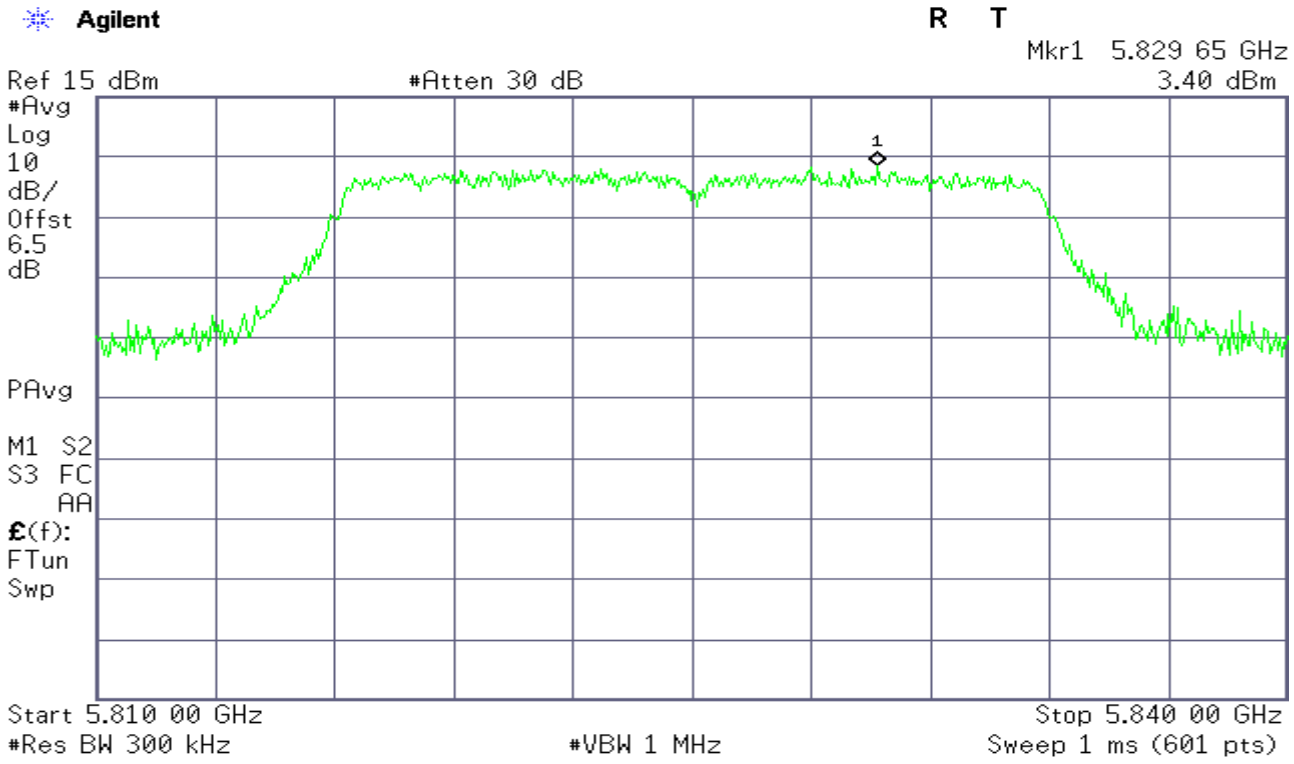
CH Low



CH Mid



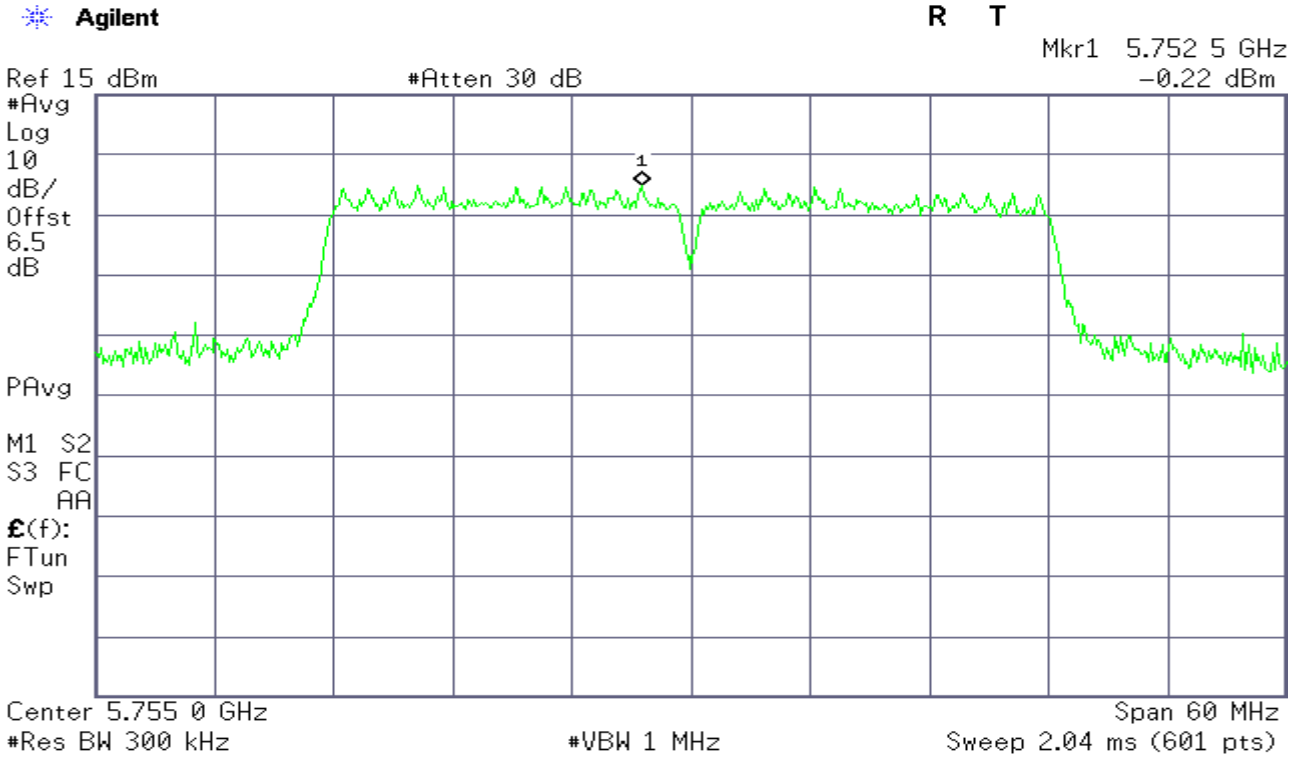
CH High



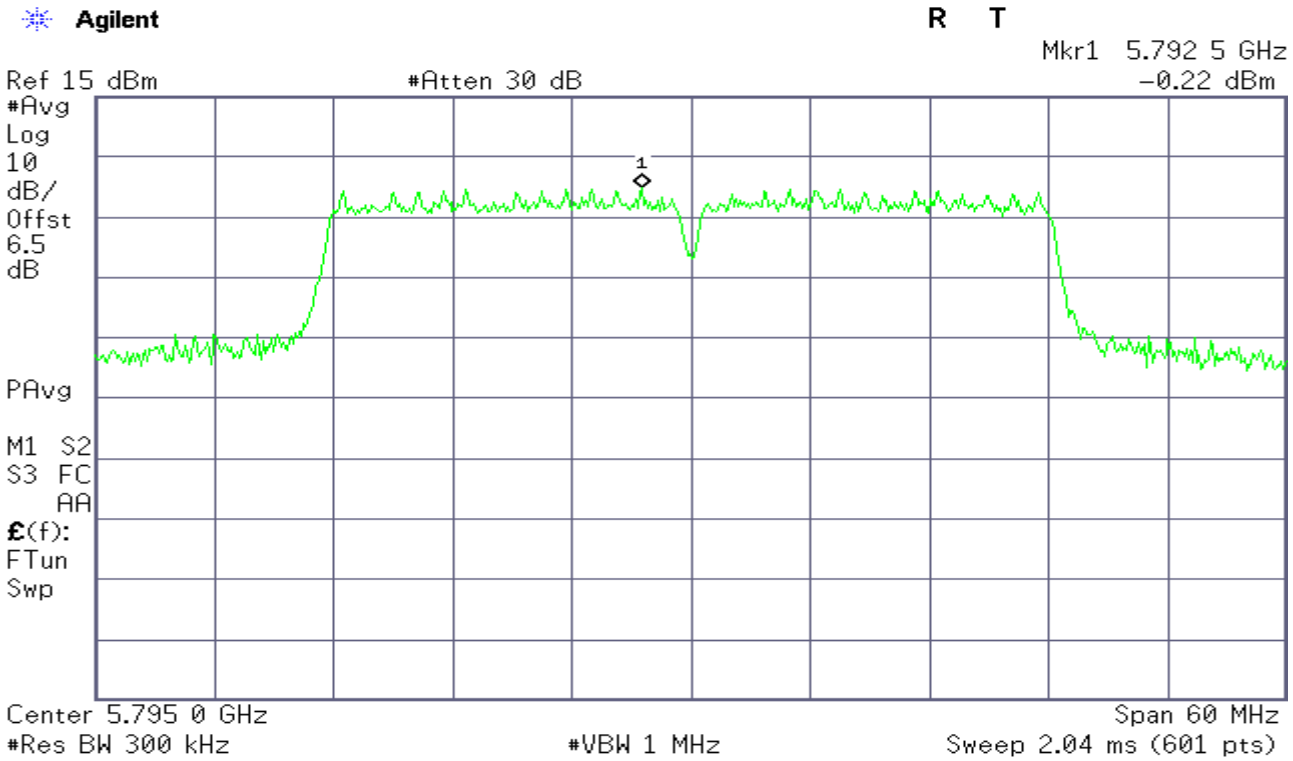
IEEE 802.11n HT40 mode

5725~5850MHz

CH Low

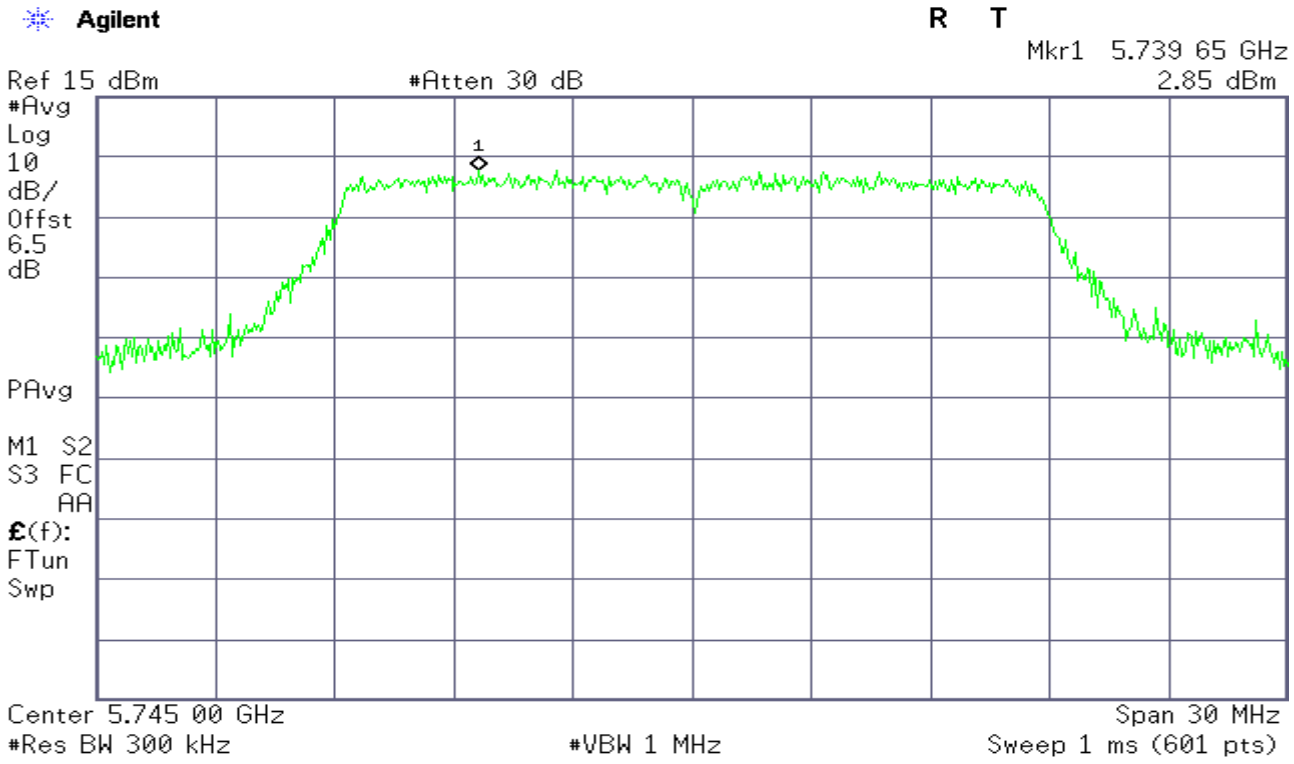


CH High

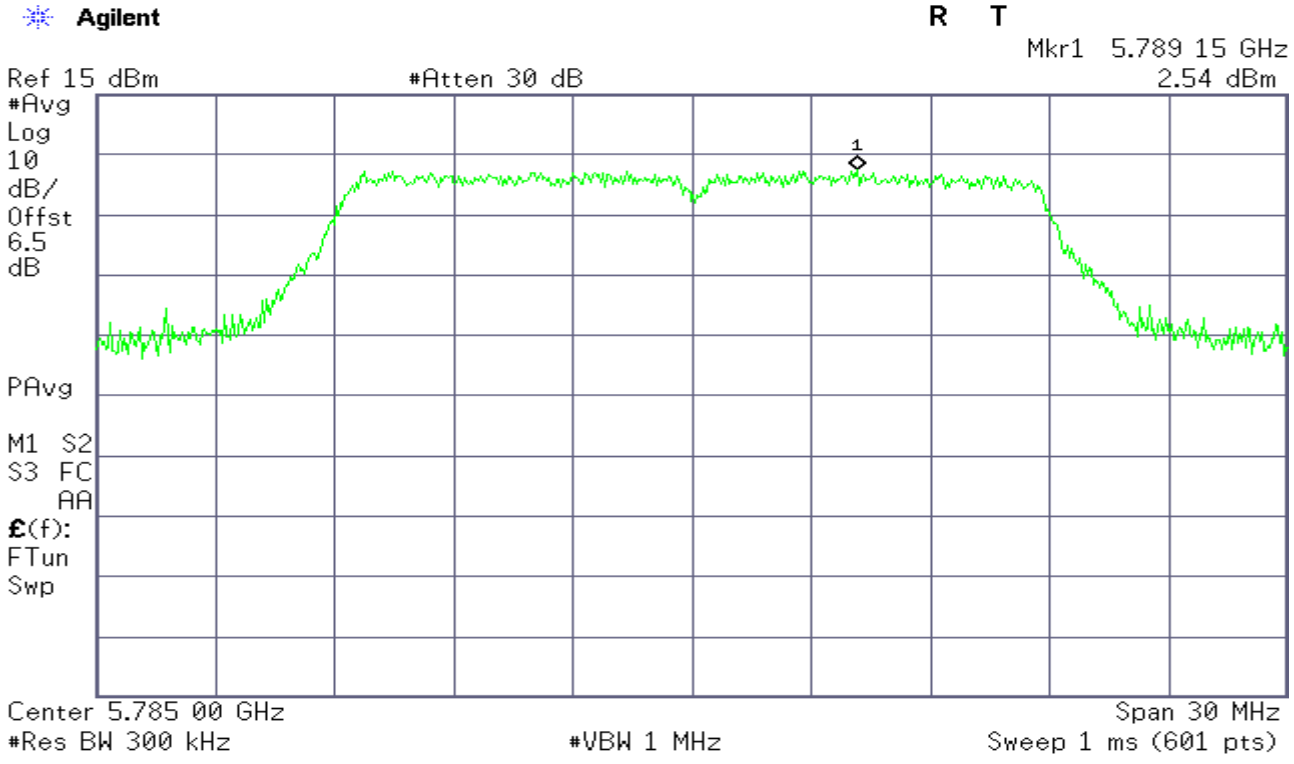


IEEE 802.11ac VHT20 mode
5725~5850MHz

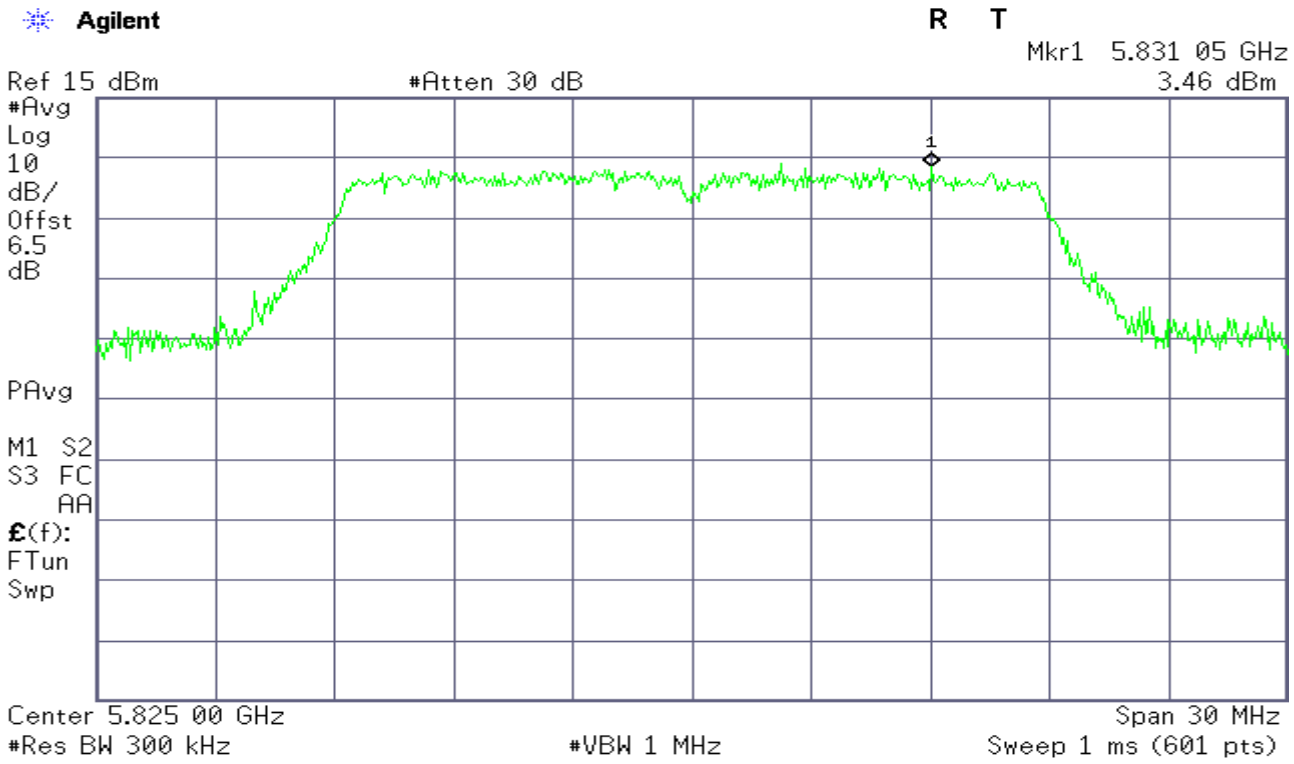
CH Low



CH Mid



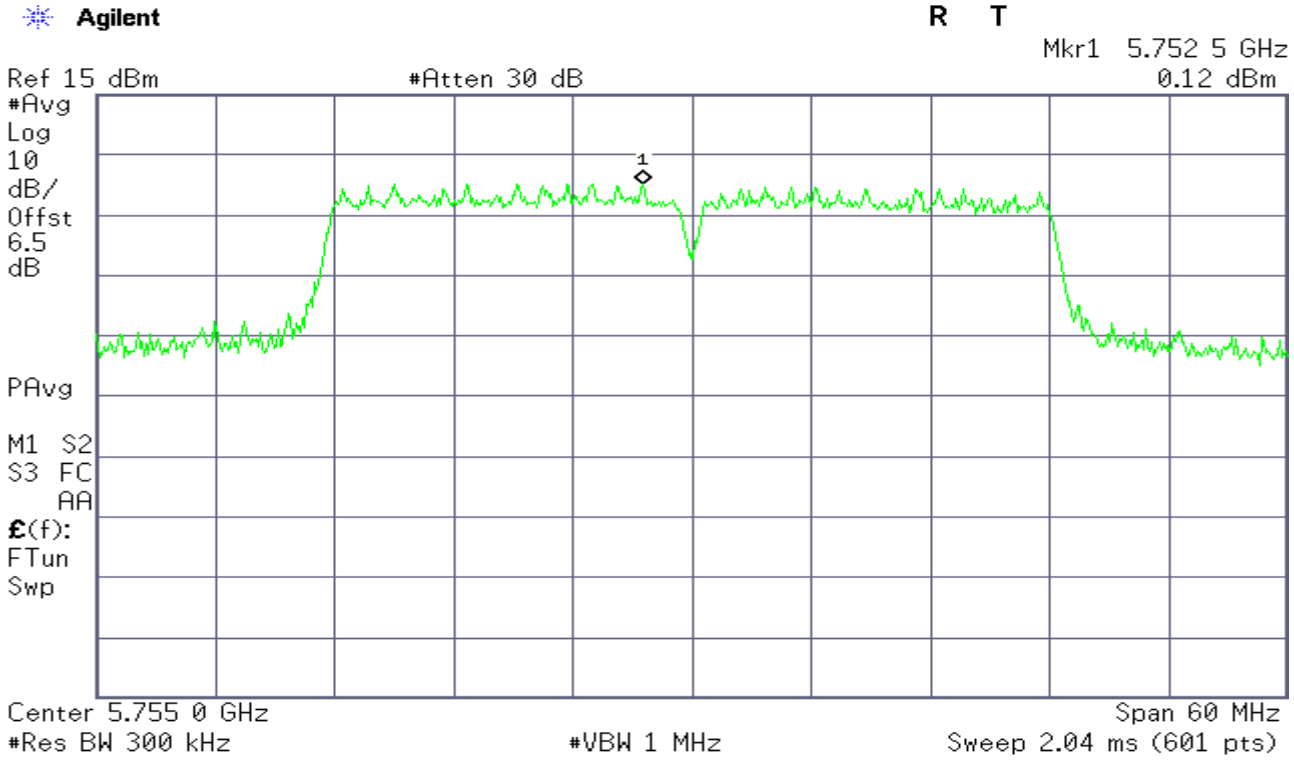
CH High



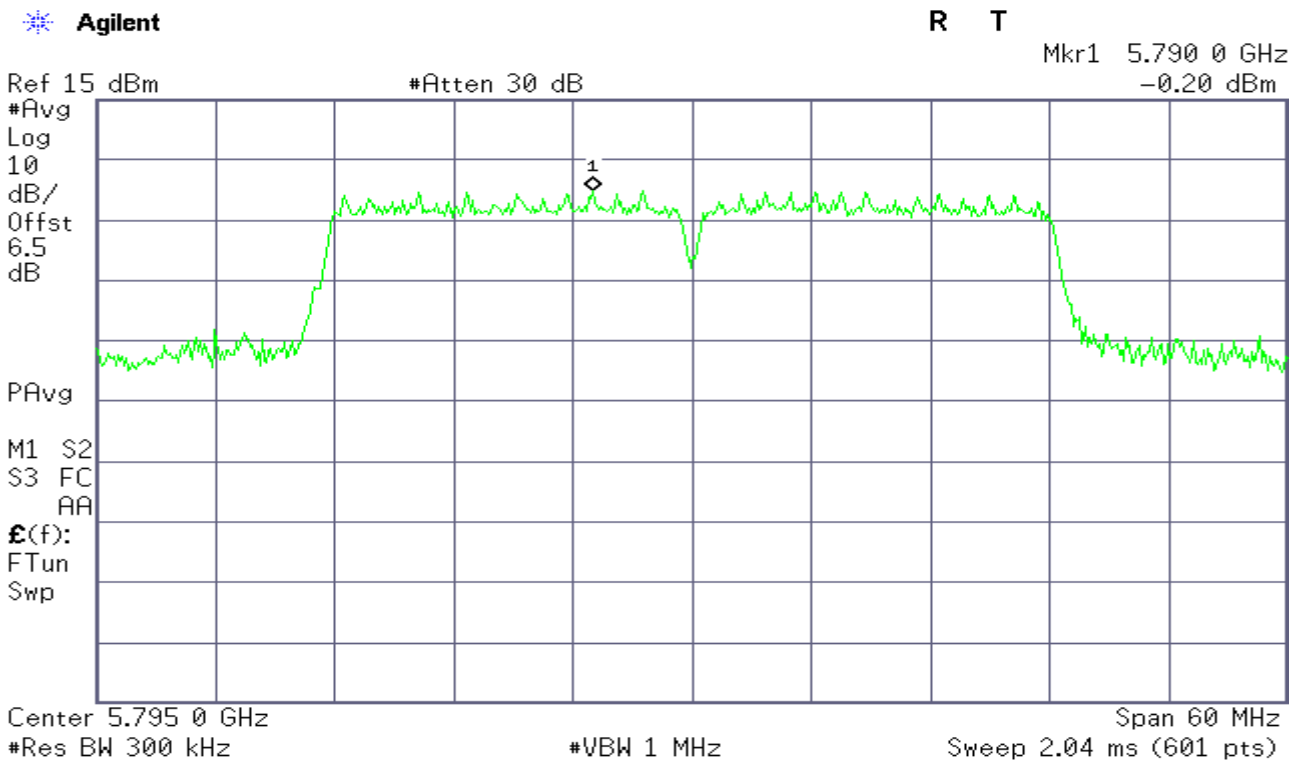
IEEE 802.11ac VHT40 mode

5725~5850MHz

CH Low

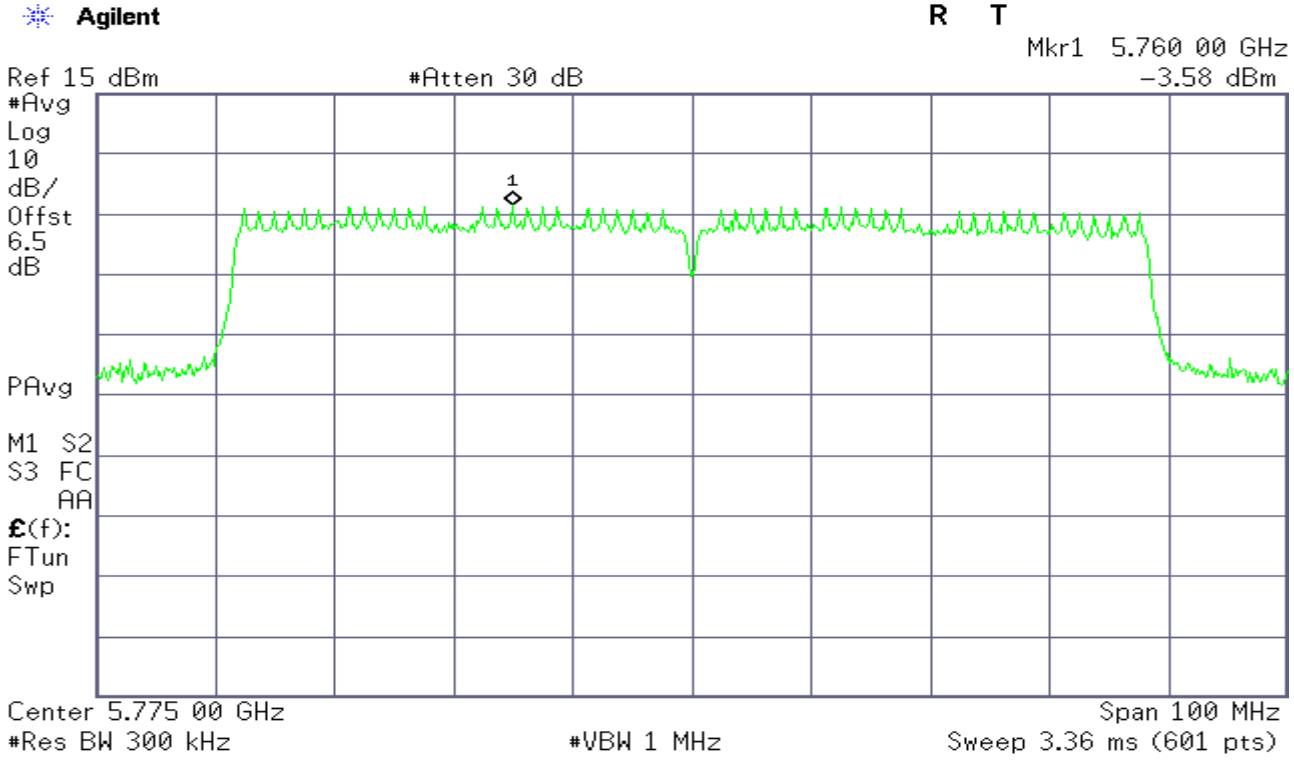


CH High



IEEE 802.11ac VHT80 mode
5725~5850MHz

CH Mid



7.5 RADIATED UNDESIRABLE EMISSION

LIMIT

Radiated emissions from 9 kHz to 25 GHz were measured according to the methods defines in ANSI C63.10-2013. The EUT was placed above the ground plane, 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions.

1. For transmitters operating in the 5725-5850 MHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17 dBm/MHz (78.3dBμV/m); for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz (68.3dBμV/m).
2. KDB789033 v01 G)2)c) As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.
3. According to APPENDIX A Final Rules of FCC-16-24A1,For transmitters operating in the 5.725-5.85 GHz band:

   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.
4. 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:

FREQUENCIES(MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE(meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

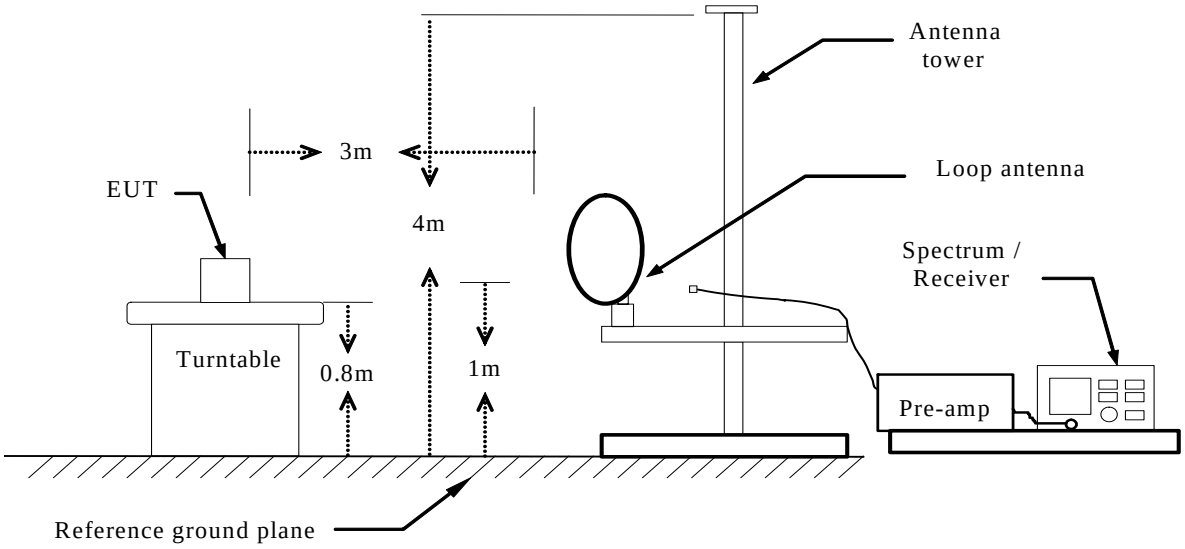
Remark: *Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of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

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

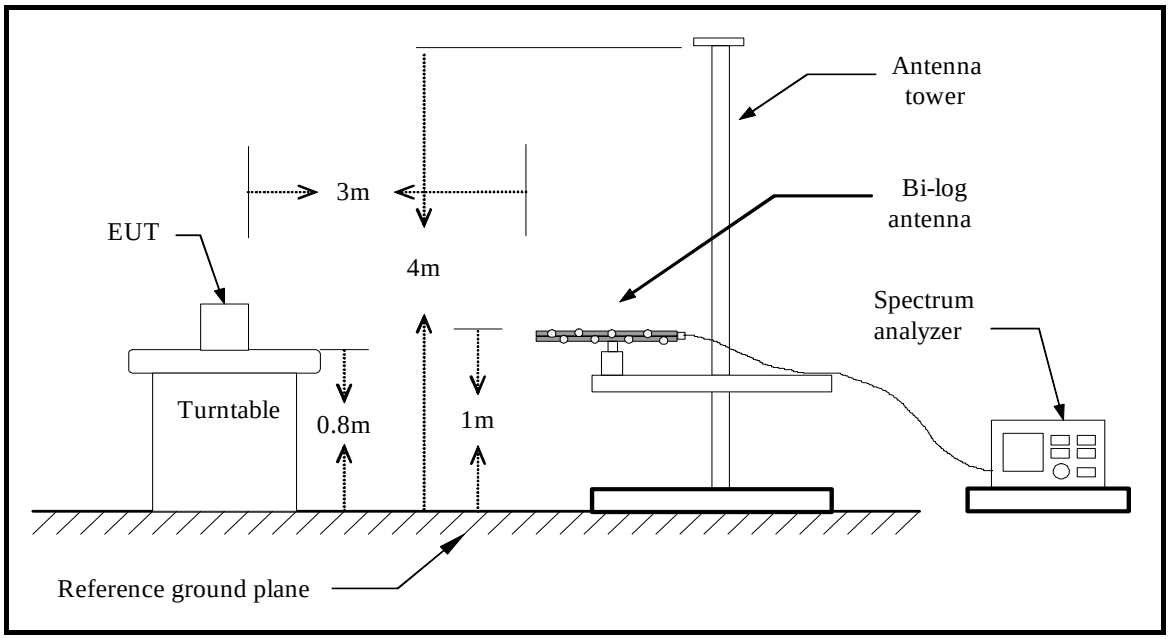
Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBμV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Test Configuration

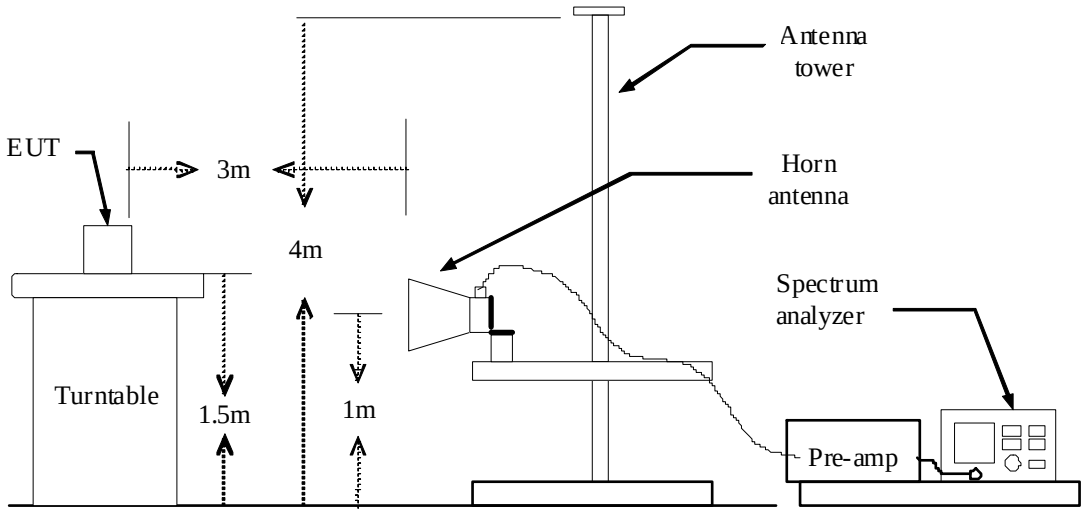
Below 30MHz



Below 1 GHz



Above 1 GHz



TEST PROCEDURE

1. The EUT is placed on a turntable above ground plane, which is 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzer in the following setting as:

   Below 1GHz:

   RBW=100kHz / VBW=300kHz / Sweep=AUTO

   Above 1GHz:

   (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO

   (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO
7. Repeat above procedures until the measurements for all frequencies are complete.

TEST RESULTS

Below 1 GHz

Operation Mode:	Normal Link	**Test Date:**	2016-5-19
Temperature:	25°C	Tested by:	Lily.Wang
Humidity:	48% RH	**Polarity:**	Ver. / Hor.

Frequency (MHz)	Ant. Pol. (H/V)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
32.9100	V	16.06	19.19	35.25	40.00	-4.75	QP
239.5200	V	26.12	13.20	39.32	46.00	-6.68	QP
375.3200	V	27.90	16.35	44.25	46.00	-1.75	QP
625.5800	V	22.75	20.50	43.25	46.00	-2.75	QP
750.7100	V	20.05	22.20	42.25	46.00	-3.75	QP
806.4500	V	21.90	22.93	44.83	46.00	-1.17	QP
30.9700	H	11.31	20.22	31.53	40.00	-8.47	QP
142.5200	H	21.57	10.96	32.53	43.50	-10.97	QP
239.5200	H	25.05	13.20	38.25	46.00	-7.75	QP
375.3200	H	23.90	16.35	40.25	46.00	-5.75	QP
809.7700	H	19.57	22.96	42.53	46.00	-3.47	QP
875.8400	H	19.27	23.56	42.83	46.00	-3.17	QP

Remark:

1. Measuring frequencies from 30 MHz to the 1GHz.(no emission found from the lowest internal used/generated frequency to 30MHz)
2. Radiated emissions measured 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 or as required by the applicant.
4. 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.
5. Margin (dB) = Remark result (dBuV/m) – Quasi-peak limit (dBuV/m).

Above 1 GHz

Operation Mode:	Tx / IEEE 802.11a mode CH Low	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	10503.000	40.37	5.47	45.84	74.00	-28.16	100	45	peak
2	13053.000	41.00	9.81	50.81	74.00	-23.19	100	76	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	10112.000	40.89	6.36	47.25	74.00	-26.75	100	215	peak
2	13393.000	40.67	9.18	49.85	74.00	-24.15	100	0	peak
3	N/A								
4									
5									
6									

Operation Mode:	Tx / IEEE 802.11a mode CH Mid	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	12458.000	37.54	7.31	44.85	74.00	-29.15	100	73	peak
2	15382.000	39.17	3.34	42.51	74.00	-31.49	100	124	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11149.000	39.53	4.45	43.98	74.00	-30.02	100	126	peak
2	14260.000	38.67	7.36	46.03	74.00	-27.97	100	143	peak
3	N/A								
4									
5									
6									

Operation Mode:	Tx / IEEE 802.11a mode CH High	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	10061.000	41.23	6.48	47.71	74.00	-26.29	100	165	peak
2	16147.000	36.64	0.94	37.58	74.00	-36.42	100	333	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11047.000	38.50	4.38	42.88	74.00	-31.12	100	204	peak
2	15178.000	37.38	4.46	41.84	74.00	-32.16	100	115	peak
3	N/A								
4									
5									
6									

Operation Mode:	TX / IEEE 802.11n HT20 mode /CH Low	**Test Date:**	2016-5-13
Temperature:	25°C	**Tested by:**	Lily.Wang
Humidity:	55% RH	**Polarity:**	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	12917.000	41.76	9.51	51.27	74.00	-22.73	100	83	peak
2	17082.000	37.67	6.86	44.53	74.00	-29.47	100	274	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	10299.000	41.05	5.94	46.99	74.00	-27.01	100	3	peak
2	14906.000	37.94	5.68	43.62	74.00	-30.38	100	74	peak
3	N/A								
4									
5									
6									

Operation Mode:	TX / IEEE 802.11n HT20 mode /CH Mid	Test Date:	2016-5-13
Temperature:	25°C	Tested by:	Lily.Wang
Humidity:	55% RH	Polarity:	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	12645.000	38.57	8.21	46.78	74.00	-27.22	100	155	peak
2	15501.000	38.77	2.69	41.46	74.00	-32.54	100	316	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11574.000	34.48	4.78	39.26	74.00	-34.74	100	6	peak
2	17167.000	36.73	7.14	43.87	74.00	-30.13	100	6	peak
3	N/A								
4									
5									
6									

Operation Mode:	TX / IEEE 802.11n HT20 mode /CH High	Test Date:	2016-5-13
Temperature:	25°C	Tested by:	Lily.Wang
Humidity:	55% RH	Polarity:	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	12237.000	37.67	6.25	43.92	74.00	-30.08	100	326	peak
2	15059.000	37.54	5.11	42.65	74.00	-31.35	100	97	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	12254.000	38.15	6.33	44.48	74.00	-29.52	100	348	peak
2	15841.000	35.40	0.84	36.24	74.00	-37.76	100	304	peak
3	N/A								
4									
5									
6									

Operation Mode:	TX / IEEE 802.11n HT40 mode /CH Low	Test Date:	2016-5-13
Temperature:	25°C	Tested by:	Lily.Wang
Humidity:	55% RH	Polarity:	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11948.000	40.18	5.07	45.25	74.00	-28.75	100	107	peak
2	14770.000	37.90	6.03	43.93	74.00	-30.07	100	322	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11625.000	35.45	4.82	40.27	74.00	-33.73	100	150	peak
2	16181.000	35.70	1.17	36.87	74.00	-37.13	100	352	peak
3	N/A								
4									
5									
6									

Operation Mode:	TX / IEEE 802.11n HT40 mode /CH High	Test Date:	2016-5-13
Temperature:	25°C	Tested by:	Lily.Wang
Humidity:	55% RH	Polarity:	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11098.000	39.99	4.42	44.41	74.00	-29.59	100	278	peak
2	15603.000	38.19	2.14	40.33	74.00	-33.67	100	134	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	13070.000	42.18	9.78	51.96	74.00	-22.04	100	160	peak
2	14974.000	38.33	5.50	43.83	74.00	-30.17	100	146	peak
3	N/A								
4									
5									
6									

Operation Mode:	TX / IEEE 802.11ac VHT20 mode /CH Low	Test Date:	2016-5-13
Temperature:	25°C	Tested by:	Lily.Wang
Humidity:	55% RH	Polarity:	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11931.000	39.14	5.06	44.20	74.00	-29.80	100	358	peak
2	13750.000	40.53	8.51	49.04	74.00	-24.96	100	90	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	12713.000	40.82	8.53	49.35	74.00	-24.65	100	359	peak
2	14362.000	39.21	7.10	46.31	74.00	-27.69	100	167	peak
3	N/A								
4									
5									
6									

Operation Mode:	TX / IEEE 802.11ac VHT20 mode /CH Mid	Test Date:	2016-5-13
Temperature:	25°C	Tested by:	Lily.Wang
Humidity:	55% RH	Polarity:	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	12679.000	39.67	8.37	48.04	74.00	-25.96	100	39	peak
2	15229.000	39.47	4.18	43.65	74.00	-30.35	100	243	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11081.000	39.92	4.40	44.32	74.00	-29.68	100	242	peak
2	15365.000	37.08	3.44	40.52	74.00	-33.48	100	181	peak
3	N/A								
4									
5									
6									

Operation Mode:	TX / IEEE 802.11ac VHT20 mode /CH High	Test Date:	2016-5-13
Temperature:	25°C	Tested by:	Lily.Wang
Humidity:	55% RH	Polarity:	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11030.000	40.09	4.36	44.45	74.00	-29.55	100	358	peak
2	16538.000	35.35	3.54	38.89	74.00	-35.11	100	312	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11846.000	36.30	4.99	41.29	74.00	-32.71	100	40	peak
2	15229.000	37.74	4.18	41.92	74.00	-32.08	100	194	peak
3	N/A								
4									
5									
6									

Operation Mode:	TX / IEEE 802.11ac VHT40 mode /CH Low	Test Date:	2016-5-13
Temperature:	25°C	Tested by:	Lily.Wang
Humidity:	55% RH	Polarity:	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	13376.000	41.80	9.21	51.01	74.00	-22.99	100	59	peak
2	15025.000	38.29	5.29	43.58	74.00	-30.42	100	52	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11098.000	40.31	4.42	44.73	74.00	-29.27	100	74	peak
2	13971.000	38.92	8.09	47.01	74.00	-26.99	100	51	peak
3	N/A								
4									
5									
6									

Operation Mode:	TX / IEEE 802.11ac VHT40 mode /CH High	Test Date:	2016-5-13
Temperature:	25°C	Tested by:	Lily.Wang
Humidity:	55% RH	Polarity:	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	10435.000	40.74	5.63	46.37	74.00	-27.63	100	97	peak
2	14855.000	37.25	5.81	43.06	74.00	-30.94	100	210	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	13665.000	40.41	8.67	49.08	74.00	-24.92	100	75	peak
2	16946.000	37.78	6.24	44.02	74.00	-29.98	100	68	peak
3	N/A								
4									
5									
6									

Operation Mode:	TX / IEEE 802.11ac VHT80 mode /CH Mid	Test Date:	2016-5-13
Temperature:	25°C	Tested by:	Lily.Wang
Humidity:	55% RH	Polarity:	Ver. / Hor.

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	10469.000	39.77	5.55	45.32	74.00	-28.68	100	336	peak
2	15314.000	38.20	3.72	41.92	74.00	-32.08	100	244	peak
3	N/A								
4									
5									
6									

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	10248.000	40.73	6.05	46.78	74.00	-27.22	100	19	peak
2	15756.000	38.03	1.30	39.33	74.00	-34.67	100	23	peak
3	N/A								
4									
5									
6									

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 3 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).*

7.6 POWERLINE CONDUCTED EMISSIONS

LIMIT

For equipment 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.

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.*

TEST CONFIGURATION

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

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.

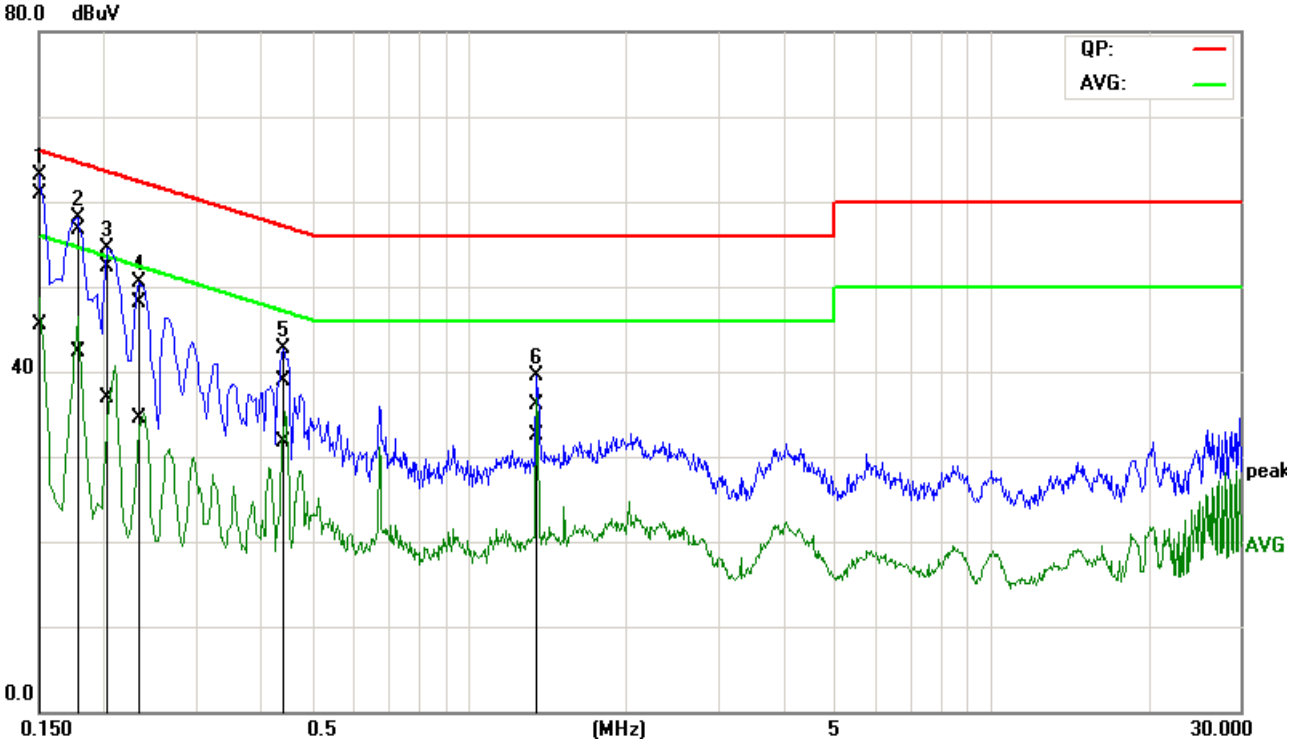
TEST RESULTS

The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.

Test Data

Job No.:	C160512R01	Date:	2016-5-19
Model No.:	850-033343	Time:	PM 04:45:37
Standard:	FCC Class B	Temp.(C)/Hum.(%):	22(C)/48%
Test item:	Conduction test	Test By:	Lily.Wang
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:		Description:	

L1

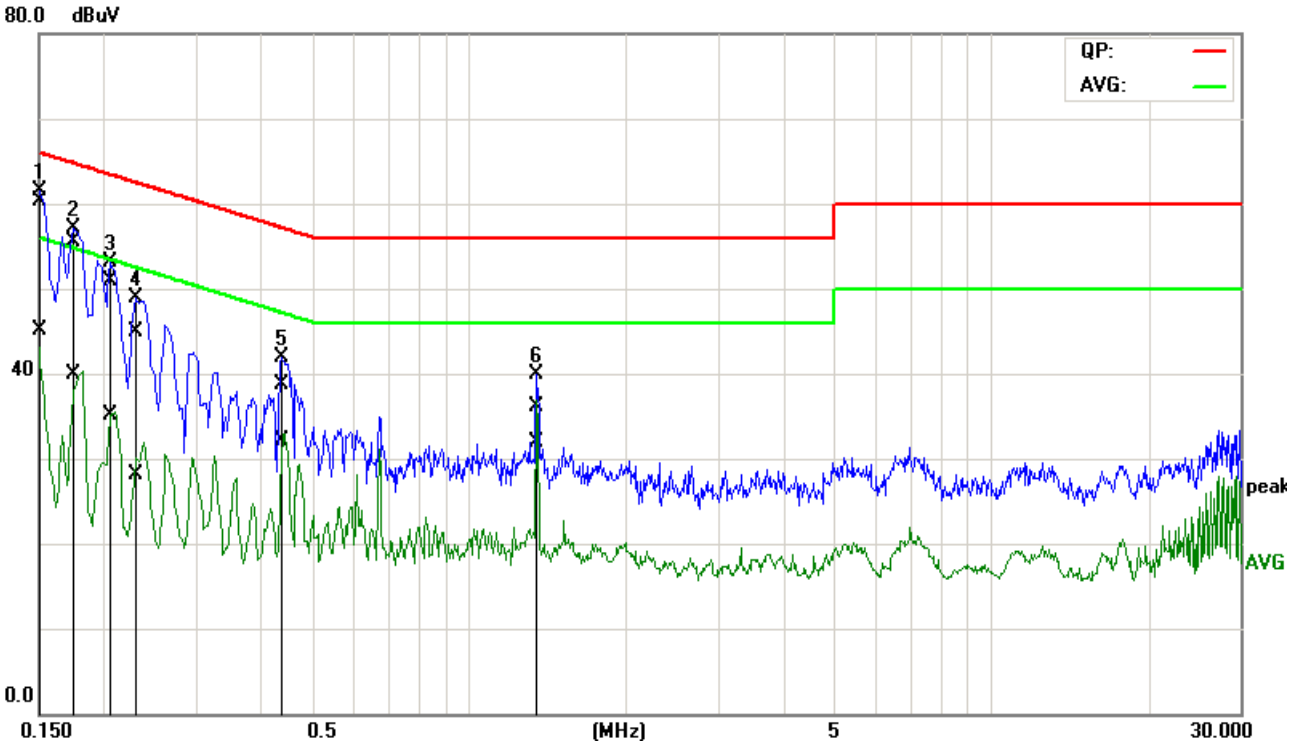


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1506	41.02	25.81	19.79	60.81	45.60	65.97	55.97	-5.16	-10.37	Pass
2	0.1764	36.98	22.43	19.79	56.77	42.22	64.65	54.65	-7.88	-12.43	Pass
3	0.2042	32.44	17.13	19.79	52.23	36.92	63.44	53.44	-11.21	-16.52	Pass
4	0.2347	28.38	14.69	19.80	48.18	34.49	62.28	52.28	-14.10	-17.79	Pass
5	0.4400	19.19	11.85	19.81	39.00	31.66	57.06	47.06	-18.06	-15.40	Pass
6	1.3483	16.25	12.68	19.81	36.06	32.49	56.00	46.00	-19.94	-13.51	Pass

Note: 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C160512R01	Date:	2016-5-19
Model No.:	850-033343	Time:	PM 04:52:16
Standard:	FCC Class B	Temp.(C)/Hum.(%):	22(C)/48%
Test item:	Conduction test	Test By:	Lily.Wang
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:		Description:	

L2

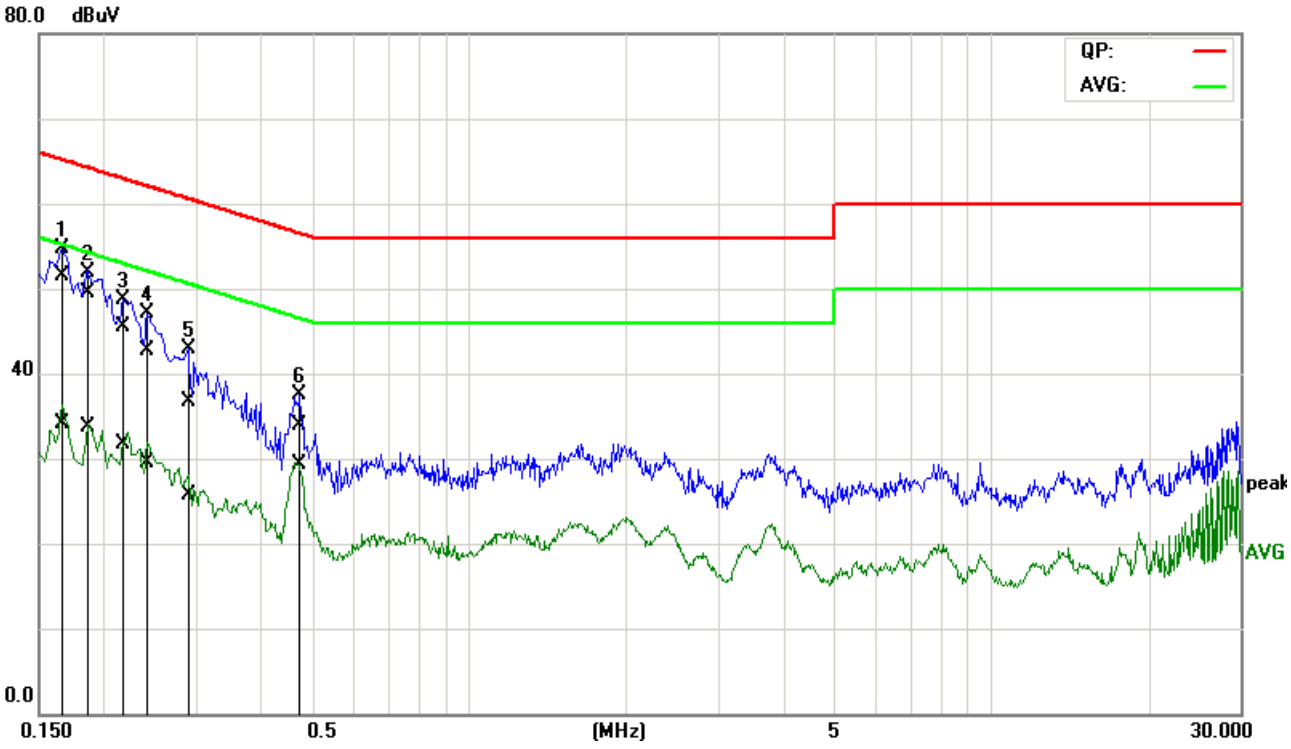


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1500	40.47	25.30	19.74	60.21	45.04	66.00	56.00	-5.79	-10.96	Pass
2	0.1755	35.72	20.07	19.74	55.46	39.81	64.70	54.70	-9.24	-14.89	Pass
3	0.2044	31.19	15.45	19.74	50.93	35.19	63.43	53.43	-12.50	-18.24	Pass
4	0.2310	25.25	8.43	19.75	45.00	28.18	62.41	52.41	-17.41	-24.23	Pass
5	0.4417	18.98	12.32	19.75	38.73	32.07	57.03	47.03	-18.30	-14.96	Pass
6	1.3484	16.34	12.10	19.75	36.09	31.85	56.00	46.00	-19.91	-14.15	Pass

Note: 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C160512R01	Date:	2016-5-19
Model No.:	850-033343	Time:	PM 05:00:24
Standard:	FCC Class B	Temp.(C)/Hum.(%):	22(C)/48%
Test item:	Conduction test	Test By:	Lily.Wang
Line:	L1	Test Voltage:	AC 240V/60Hz
Model:		Description:	

L1

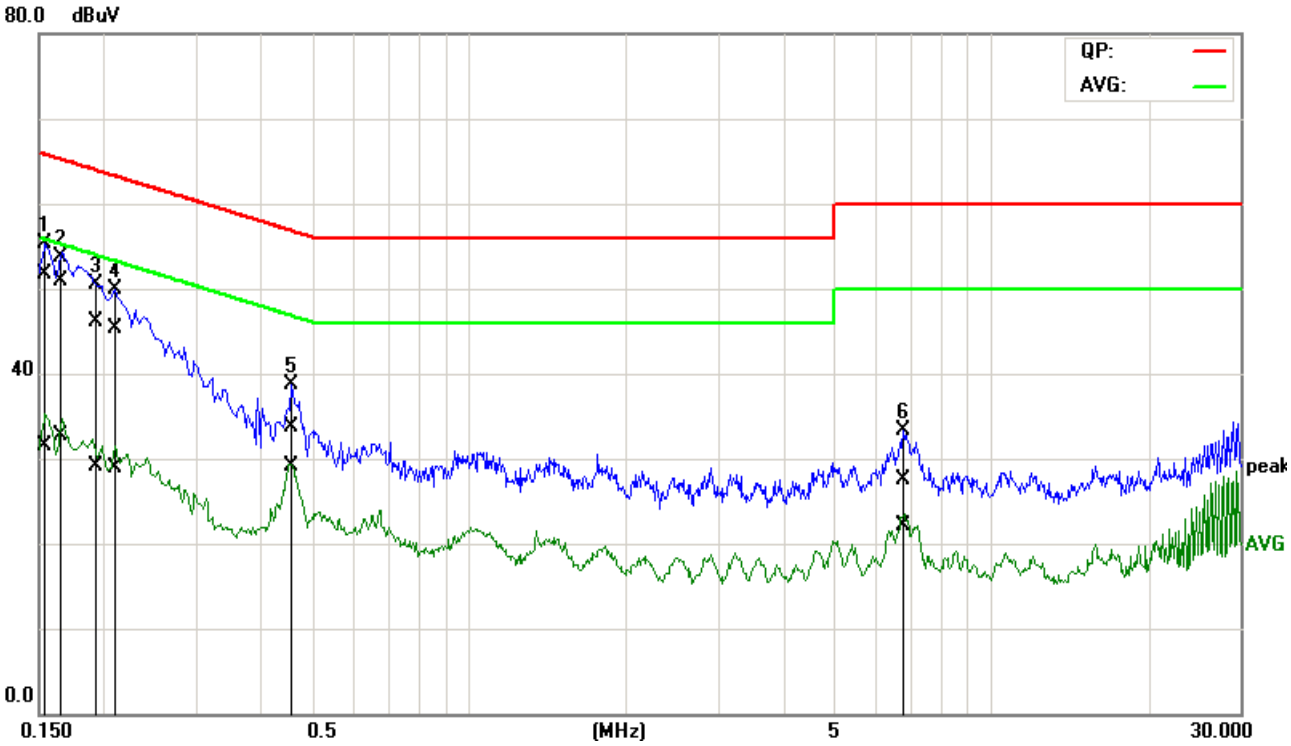


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1633	31.65	14.33	19.79	51.44	34.12	65.29	55.29	-13.85	-21.17	Pass
2	0.1877	29.81	13.83	19.79	49.60	33.62	64.14	54.14	-14.54	-20.52	Pass
3	0.2193	25.79	11.89	19.79	45.58	31.68	62.85	52.85	-17.27	-21.17	Pass
4	0.2395	22.82	9.78	19.80	42.62	29.58	62.11	52.11	-19.49	-22.53	Pass
5	0.2913	16.95	5.97	19.80	36.75	25.77	60.49	50.49	-23.74	-24.72	Pass
6	0.4713	14.08	9.42	19.81	33.89	29.23	56.49	46.49	-22.60	-17.26	Pass

Note: 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C160512R01	Date:	2016-5-19
Model No.:	850-033343	Time:	PM 05:06:52
Standard:	FCC Class B	Temp.(C)/Hum.(%):	22(C)/48%
Test item:	Conduction test	Test By:	Lily.Wang
Line:	L2	Test Voltage:	AC 240V/60Hz
Model:		Description:	

L2



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1542	31.88	11.69	19.74	51.62	31.43	65.77	55.77	-14.15	-24.34	Pass
2	0.1624	31.08	12.88	19.74	50.82	32.62	65.34	55.34	-14.52	-22.72	Pass
3	0.1945	26.41	9.30	19.74	46.15	29.04	63.84	53.84	-17.69	-24.80	Pass
4	0.2114	25.65	9.26	19.74	45.39	29.00	63.15	53.15	-17.76	-24.15	Pass
5	0.4555	13.93	9.45	19.75	33.68	29.20	56.77	46.77	-23.09	-17.57	Pass
6	6.8032	7.58	2.15	19.88	27.46	22.03	60.00	50.00	-32.54	-27.97	Pass

Note: 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

*R*emark:

1.The measuring frequencies range between 0.15 MHz and 30 MHz.

2.The emissions measured in the frequency range between 0.15 MHz and 30MHz were made with an instrument using Quasi-peak detector and Average detector.

3."---" denotes the emission level was or more than 2dB below the Average limit, and no re-check was made.

4.The IF bandwidth of SPA between 0.15MHz and 30MHz was 10KHz. The IF bandwidth of Test Receiver between 0.15MHz and 30MHz was 9kHz.

END OF REPORT