



**FCC 47 CFR PART 15 SUBPART E AND ANSI C63.10:2009
TEST REPORT**

For

Computer

Model : TREK-570 ; TREK-570XXXXXXXXXXXXXXXXXX
(where "X" may be any alphanumeric character , "-" or blank)

Trade Name : ADVANTECH

Issued for

Advantech Co. Ltd.

**No.1, Alley 20, Lane 26, Rueiguang Road, Neihu District, Taipei 114, Taiwan,
R.O.C.**

Issued by

**Compliance Certification Services Inc.
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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	02/16/2015	Initial Issue	All Page 281	Dola Hsieh



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1. TEST REPORT CERTIFICATION

Applicant : Advantech Co. Ltd.
Address : No.1, Alley 20, Lane 26, Rueiguang Road, Neihu District,
Taipei 114, Taiwan, R.O.C.
Equipment Under Test : Computer
Model : TREK-570 ; TREK-570XXXXXXXXXXXXXXXXXX
(where "X" may be any alphanumeric character , "-" or blank)
Trade Name : ADVANTECH
Tested Date : September 12, 2014 ~ January 12, 2015

APPLICABLE STANDARD	
Standard	Test Result
FCC Part 15 Subpart E AND ANSI C63.10:2009	PASS

WE HEREBY CERTIFY THAT: The above equipment has been tested by Compliance Certification Services Inc., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by:

Sb. Lu
Sr. Engineer

Reviewed by:

Gundam Lin
Sr. Engineer



2. EUT DESCRIPTION

Product Name	Computer
Model Number	TREK-570 ; TREK-570XXXXXXXXXXXXXXXXXX (where "X" may be any alphanumeric character , "-" or blank)
Identify Number	T140912L01
Received Date	September 12, 2014
Frequency Range	UNII Band 1: IEEE 802.11a, 802.11an HT20 : 5180MHz ~ 5240MHz IEEE 802.11an HT40 : 5190MHz ~ 5230MHz UNII Band 2A: IEEE 802.11a, 802.11an HT20 : 5260MHz ~ 5320MHz IEEE 802.11an HT40 : 5270MHz ~ 5310MHz UNII Band 2C: IEEE 802.11a, 802.11an HT20 : 5500MHz ~ 5700MHz IEEE 802.11an HT40 : 5510MHz ~ 5670MHz UNII Band 3: IEEE 802.11a, 802.11an HT20 : 5745MHz ~ 5825MHz IEEE 802.11an HT40 : 5755MHz ~ 5795MHz
Transmit Power	1TX : UNII Band 1: IEEE 802.11a : 20.77dBm (0.1194W) IEEE 802.11an HT20 : 20.66dBm (0.1164W) IEEE 802.11an HT40 : 20.24dBm (0.1057W) UNII Band 2A: IEEE 802.11a : 20.57dBm (0.1140W) IEEE 802.11an HT20 : 20.26dBm (0.1062W) IEEE 802.11an HT40 : 19.23dBm (0.1838W) UNII Band 2C: IEEE 802.11a : 19.36dBm (0.0863W) IEEE 802.11an HT20 : 19.30dBm (0.0851W) IEEE 802.11an HT40 : 19.40dBm (0.0871W) UNII Band 3: IEEE 802.11a : 18.32dBm (0.0679W) IEEE 802.11an HT20 : 18.36dBm (0.0685W) IEEE 802.11an HT40 : 18.35dBm (0.0684W)



	2TX : UNII Band 1: IEEE 802.11a : 19.95dBm (0.0989W) IEEE 802.11an HT20 : 20.59dBm (0.1164W) IEEE 802.11an HT40 : 21.67dBm (0.1469W) UNII Band 2A: IEEE 802.11a : 20.09dBm (0.1021W) IEEE 802.11an HT20 : 20.15dBm (0.1035W) IEEE 802.11an HT40 : 21.77dBm (0.1503W) UNII Band 2C: IEEE 802.11a : 19.89dBm (0.0975W) IEEE 802.11an HT20 : 19.71dBm (0.0935W) IEEE 802.11an HT40 : 20.81dBm (0.1205W) UNII Band 3: IEEE 802.11a : 19.28dBm (0.0847W) IEEE 802.11an HT20 : 17.91dBm (0.0618W) IEEE 802.11an HT40 : 20.47dBm (0.1114W)
Channel Spacing	IEEE 802.11a, 802.11an HT20 : 20MHz IEEE 802.11an HT40 : 40MHz
Channel Number	IEEE 802.11a, 802.11an HT20 : 5150MHz ~ 5250MHz : 4 Channels 5250MHz ~ 5350MHz : 4 Channels 5470MHz ~ 5725MHz : 8 Channels 5725MHz ~ 5850MHz : 5 Channels IEEE 802.11an HT40 : 5150MHz ~ 5250MHz : 2 Channels 5250MHz ~ 5350MHz : 2 Channels 5470MHz ~ 5725MHz : 3 Channels 5725MHz ~ 5850MHz : 2 Channels
Transmit Data Rate	1TX : IEEE 802.11a : up to 54 Mbps IEEE 802.11an (HT20,800ns GI) : up to 65.00 Mbps IEEE 802.11an (HT20,400ns GI) : up to 72.20 Mbps IEEE 802.11an (HT40,800ns GI) : up to 135.00 Mbps IEEE 802.11an (HT40,400ns GI) : up to 150.00 Mbps



	2TX : IEEE 802.11a : up to 54 Mbps IEEE 802.11an (HT20,800ns GI) : up to 130.00 Mbps IEEE 802.11an (HT20,400ns GI) : up to 144.40 Mbps IEEE 802.11an (HT40,800ns GI) : up to 270.00 Mbps IEEE 802.11an (HT40,400ns GI) : up to 300.00 Mbps
Type of Modulation	IEEE 802.11a : OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11an HT20/40 : OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Type	PIFA Antenna × 1, Antenna 1(Chain 0) Gain : 2.75 dBi (Taoglas / MA231) Dipole Antenna × 2, Antenna 2(Chain 1) Gain : 2.36 dBi (HowTsen / S-083-4) Antenna 2(Chain 1) Gain : 5 dBi (Wieson / GPOT113-020)
Power Rating	6-32Vdc, 6A Max
Test Voltage	120Vac, 60Hz
DC Power Cable Type	Non-shielded cable, 1.5m × 1 (Detachable)
I/O Port	EUT : RJ-45 Port × 1, USB Port × 3, Power Port × 1, RS232 Port × 1, HDMI Port × 1, Signal Port × 1, VGA Port × 2, Smart Display Port × 1 Panel : Smart Display Port × 1, USB Port × 1
Signal Cable	Shielded signal cable 2.1m × 1 (Detachable) Shielded VGA to RS232 cable, 0.4m × 1 (Detachable)

The difference of the series model

Model Number	Difference
TREK-570	1. For marketing purpose only. 2. where "X" may be any alphanumeric character , “-” or blank
TREK-570XXXXXXXXXXXXXXXXXX	

Remark :

1. The sample selected for test was engineering sample that approximated to production product and was provided by manufacturer.
2. For more details, please refer to the User's manual of the EUT.
3. The model TREK-570 was considered the main model for testing.
4. This submittal(s) (test report) is intended for FCC ID: M82-TREK570LTE filing to comply with Section 15.207, 15.209 and 15.407 of the FCC Part 15, Subpart E Rules.



3. DESCRIPTION OF TEST MODES

The EUT is an 802.11n transceiver in Computer form factor.

For IEEE 802.11a, 802.11an HT20/HT40 mode (1TX / 1RX) : Chain 0 transmit/receive.

For IEEE 802.11a, 802.11an HT20/HT40 mode (2TX / 2RX) :

Chain 0 & Chain 1 transmit/receive.

The EUT comes with two types for sales, the detail information please refer the table as below :

Antenna List		Gain (dBi)	Test item	
			Spurious emissions	Conducted
PIFA Antenna × 1	Antenna 1(Chain 0) (Taoglas / MA231)	2.75	V	V
Dipole Antenna × 2	Antenna 2(Chain 1) (HowTsen / S-083-4)	2.36		
	Antenna 2(Chain 1) (Wieson / GPOT113-020)	5	V	V

Conducted Emission / Radiated Emission Test (Below 1 GHz)

1. The following test modes were scanned during the preliminary test:

No.	Pre-Test Mode
1	TX Mode

2. After the preliminary scan, the following test mode was found to produce the highest emission level.

Final Test Mode		
Emission	Radiated Emission	TX Mode
	Conducted Emission	N/A

Remark : Then, the above highest emission mode of the configuration of the EUT and cable was chosen for all final test items.

**Conducted / Radiated Emission Test (Above 1 GHz)****IEEE 802.11a, 802.11an HT20 mode**

The EUT had been tested under operating condition.

There are three channels have been tested as following :

UNII Band 1:

Channel	Frequency (MHz)
Low	5180
Middle	5220
High	5240

UNII Band 2A:

Channel	Frequency (MHz)
Low	5260
Middle	5280
High	5320

UNII Band 2C:

Channel	Frequency (MHz)
Low	5500
Middle	5580
High	5700

UNII Band 3:

Channel	Frequency (MHz)
Low	5745
Middle	5785
High	5825

IEEE 802.11a mode : 6Mbps data rate (worst case) were chosen for full testing.

IEEE 802.11an HT20 mode : 6.5Mbps data rate (worst case) were chosen for full testing.

**IEEE 802.11an HT40 mode**

The EUT had been tested under operating condition.

There are two or three channels have been tested as following :

UNII Band 1:

Channel	Frequency (MHz)
Low	5190
High	5230

UNII Band 2A:

Channel	Frequency (MHz)
Low	5270
High	5310

UNII Band 2C:

Channel	Frequency (MHz)
Low	5510
Moddle	5550
High	5670

UNII Band 3:

Channel	Frequency (MHz)
Low	5755
High	5795

IEEE 802.11an HT40 mode : 13.5Mbps data rate (worst case) were chosen for full testing.

Remark : The field strength of spurious emission was measured in the following position: EUT stand-up position(X axis), lie-down position(X, Y axis). The worst emission was found in stand-up position(Z axis) and the worst case was recorded.



4. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10:2009 and FCC CFR 47, 15.207, 15.209 and 15.407.

5. FACILITIES AND ACCREDITATION

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

NO. 989-1 Wen Shan Rd., Shang Shan Village,
Qionglin Shiang Hsinchu County 30741, Taiwan, R.O.C

The sites are constructed in conformance with the requirements of ANSI C63.10:2009 and CISPR 22. All receiving equipment conforms to CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-3, CISPR 16-1-4, CISPR 16-1-5.

5.2 ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

Taiwan	TAF
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The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada	INDUSTRY CANADA
Japan	VCCI
Taiwan	BSMI
USA	FCC MRA

Copies of granted accreditation certificates are available for downloading from our web site, <http://www.ccsrf.com>



5.3 MEASUREMENT UNCERTAINTY

The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4-2.

PARAMETER	UNCERTAINTY
Semi Anechoic Chamber (966 Chamber_B) / Radiated Emission, 30 to 1000 MHz	+/- 3.97
Semi Anechoic Chamber (966 Chamber_B) / Radiated Emission, 1 to 18GHz	+/- 3.58
Semi Anechoic Chamber (966 Chamber_B) / Radiated Emission, 18 to 26 GHz	+/- 3.59
Semi Anechoic Chamber (966 Chamber_B) / Radiated Emission, 26 to 40 GHz	+/- 3.81
Conducted Emission (Mains Terminals), 9kHz to 30MHz	+/- 2.48

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Consistent with industry standard (e.g. CISPR 22, clause 11, Measurement Uncertainty) determining compliance with the limits shall be based on the results of the compliance measurement. Consequently the measured emissions being less than the maximum allowed emission result in this being a compliant test or passing test.

The acceptable measurement uncertainty value without requiring revision of the compliance statement is based on conducted and radiated emissions being less than U_{CISPR} which is 3.6dB and 5.2dB respectively. CCS values (called U_{Lab} in CISPR 16-4-2) is less than U_{CISPR} as shown in the table above. Therefore, MU need not be considered for compliance.



6. SETUP OF EQUIPMENT UNDER TEST

SUPPORT EQUIPMENT

No.	Product	Manufacturer	Model No.	Serial No.
1	Notebook PC	HP	ProBook 4421s	CNF03242PJ

No.	Signal Cable Description
1	Non-shielded RJ-45 cable, 12m × 1

SETUP DIAGRAM FOR TESTS

EUT & peripherals setup diagram is shown in appendix setup photos.

EUT OPERATING CONDITION

WiFi

1. EUT & peripherals setup diagram is shown in appendix setup photos.

2. TX Mode:

- ⇒ **Tx Data Rate:** 6Mbps Bandwidth 20 (IEEE 802.11a mode)
6.5Mbps Bandwidth 20 (IEEE 802.11an HT20 mode)
13.5Mbps Bandwidth 40 (IEEE 802.11an HT40 mode)

⇒ **Power control : 1TX**

IEEE 802.11a Channel Low (5180MHz) Power set 21
IEEE 802.11a Channel Mid (5220MHz) Power set 25
IEEE 802.11a Channel High (5240MHz) Power set 25
IEEE 802.11an HT20 Channel Low (5180MHz) Power set 21
IEEE 802.11an HT20 Channel Mid (5220MHz) Power set 25
IEEE 802.11an HT20 Channel High (5240MHz) Power set 25
IEEE 802.11an HT40 Channel Low (5190MHz) Power set 16
IEEE 802.11an HT40 Channel High (5230MHz) Power set 24

IEEE 802.11a Channel Low (5260MHz) Power set 25
IEEE 802.11a Channel Mid (5280MHz) Power set 25
IEEE 802.11a Channel High (5320MHz) Power set 19
IEEE 802.11an HT20 Channel Low (5260MHz) Power set 25
IEEE 802.11an HT20 Channel Mid (5280MHz) Power set 25
IEEE 802.11an HT20 Channel High (5320MHz) Power set 19.5
IEEE 802.11an HT40 Channel Low (5270MHz) Power set 23.5
IEEE 802.11an HT40 Channel High (5310MHz) Power set 14.5



IEEE 802.11a Channel Low (5500MHz) Power set 23.5
IEEE 802.11a Channel Mid (5580MHz) Power set 25
IEEE 802.11a Channel High (5700MHz) Power set 25
IEEE 802.11an HT20 Channel Low (5500MHz) Power set 23
IEEE 802.11an HT20 Channel Mid (5580MHz) Power set 25
IEEE 802.11an HT20 Channel High (5700MHz) Power set 25
IEEE 802.11an HT40 Channel Low (5510MHz) Power set 18.5
IEEE 802.11an HT40 Channel Mid (5550MHz) Power set 25
IEEE 802.11an HT40 Channel High (5670MHz) Power set 25

IEEE 802.11a Channel Low (5745MHz) Power set 25
IEEE 802.11a Channel Mid (5785MHz) Power set 25
IEEE 802.11a Channel High (5825MHz) Power set 25
IEEE 802.11an HT20 Channel Low (5745MHz) Power set 25
IEEE 802.11an HT20 Channel Mid (5785MHz) Power set 25
IEEE 802.11an HT20 Channel High (5825MHz) Power set 25
IEEE 802.11an HT40 Channel Low (5755MHz) Power set 25
IEEE 802.11an HT40 Channel High (5795MHz) Power set 25

⇒ **Power control : 2TX**

IEEE 802.11a Channel Low (5180MHz) Chain0/Chain1 Power set 18
IEEE 802.11a Channel Mid (5220MHz) Chain0/Chain1 Power set 20
IEEE 802.11a Channel High (5240MHz) Chain0/Chain1 Power set 20
IEEE 802.11an HT20 Channel Low (5180MHz) Chain0/Chain1 Power set 17
IEEE 802.11an HT20 Channel Mid (5220MHz) Chain0/Chain1 Power set 20.5
IEEE 802.11an HT20 Channel High (5240MHz) Chain0/Chain1 Power set 21
IEEE 802.11an HT40 Channel Low (5190MHz) Chain0/Chain1 Power set 12.5
IEEE 802.11an HT40 Channel High (5230MHz) Chain0/Chain1 Power set 22

IEEE 802.11a Channel Low (5260MHz) Chain0/Chain1 Power set 20
IEEE 802.11a Channel Mid (5280MHz) Chain0/Chain1 Power set 20
IEEE 802.11a Channel High (5320MHz) Chain0/Chain1 Power set 17.5
IEEE 802.11an HT20 Channel Low (5260MHz) Chain0/Chain1 Power set 20.5
IEEE 802.11an HT20 Channel Mid (5280MHz) Chain0/Chain1 Power set 20.5
IEEE 802.11an HT20 Channel High (5320MHz) Chain0/Chain1 Power set 18
IEEE 802.11an HT40 Channel Low (5270MHz) Chain0/Chain1 Power set 22
IEEE 802.11an HT40 Channel High (5310MHz) Chain0/Chain1 Power set 12.5

IEEE 802.11a Channel Low (5500MHz) Chain0/Chain1 Power set 20
IEEE 802.11a Channel Mid (5580MHz) Chain0/Chain1 Power set 20
IEEE 802.11a Channel High (5700MHz) Chain0/Chain1 Power set 19
IEEE 802.11an HT20 Channel Low (5500MHz) Chain0/Chain1 Power set 20
IEEE 802.11an HT20 Channel Mid (5580MHz) Chain0/Chain1 Power set 20.5
IEEE 802.11an HT20 Channel High (5700MHz) Chain0/Chain1 Power set 19
IEEE 802.11an HT40 Channel Low (5510MHz) Chain0/Chain1 Power set 17.5
IEEE 802.11an HT40 Channel Mid (5550MHz) Chain0/Chain1 Power set 21
IEEE 802.11an HT40 Channel High (5670MHz) Chain0/Chain1 Power set 21.5



IEEE 802.11a Channel Low (5745MHz) Chain0/Chain1 Power set 19
IEEE 802.11a Channel Mid (5785MHz) Chain0/Chain1 Power set 17.5
IEEE 802.11a Channel High (5825MHz) Chain0/Chain1 Power set 16
IEEE 802.11an HT20 Channel Low (5745MHz) Chain0/Chain1 Power set 17.5
IEEE 802.11an HT20 Channel Mid (5785MHz) Chain0/Chain1 Power set 18
IEEE 802.11an HT20 Channel High (5825MHz) Chain0/Chain1 Power set 16.5
IEEE 802.11an HT40 Channel Low (5755MHz) Chain0/Chain1 Power set 20
IEEE 802.11an HT40 Channel High (5795MHz) Chain0/Chain1 Power set 19

3. All of the functions are under run.

4. Start test.



7. FCC PART 15.407 REQUIREMENTS

7.1 26dB BANDWIDTH

LIMITS

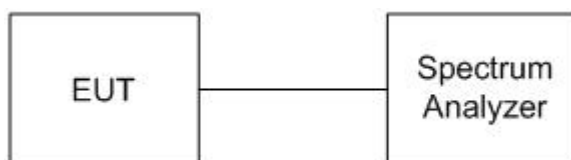
§ 15.303 (c), For purposes of this subpart, the emission bandwidth shall be determined by measuring the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, that are 26 dB down relative to the maximum level of the modulated carrier. Determination of the emissions bandwidth is based on the use of measurement instrumentation employing a peak detector function with an instrument resolutions bandwidth approximately equal to 1.0 percent of the emission bandwidth of the device under measurement.

TEST EQUIPMENT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	MY43360132	06/10/2015

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

TEST SETUP



TEST PROCEDURE

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

**TEST RESULTS****IEEE 802.11a Mode (1TX)**

U-NII	Channel	Channel Frequency (MHz)	26dB Bandwidth (MHz)
			Chain 0
Band 2A	Low	5260	47.39
	Middle	5280	48.55
	High	5320	40.73
Band 2C	Low	5500	43.45
	Middle	5580	47.03
	High	5700	52.95

IEEE 802.11an HT20 Mode (1TX)

U-NII	Channel	Channel Frequency (MHz)	26dB Bandwidth (MHz)
			Chain 0
Band 2A	Low	5260	51.91
	Middle	5280	49.87
	High	5320	41.68
Band 2C	Low	5500	47.01
	Middle	5580	48.98
	High	5700	55.66

IEEE 802.11an HT40 Mode (1TX)

U-NII	Channel	Channel Frequency (MHz)	26dB Bandwidth (MHz)
			Chain 0
Band 2A	Low	5270	90.07
	High	5310	43.73
Band 2C	Low	5510	66.95
	Middle	5550	93.88
	High	5670	100.03

**IEEE 802.11a Mode (2TX)**

U-NII	Channel	Channel Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain 0	Chain 1
Band 2A	Low	5260	38.45	39.27
	Middle	5280	42.02	40.90
	High	5320	36.95	30.84
Band 2C	Low	5500	38.95	38.95
	Middle	5580	37.88	37.03
	High	5700	38.93	36.21

IEEE 802.11an HT20 Mode (2TX)

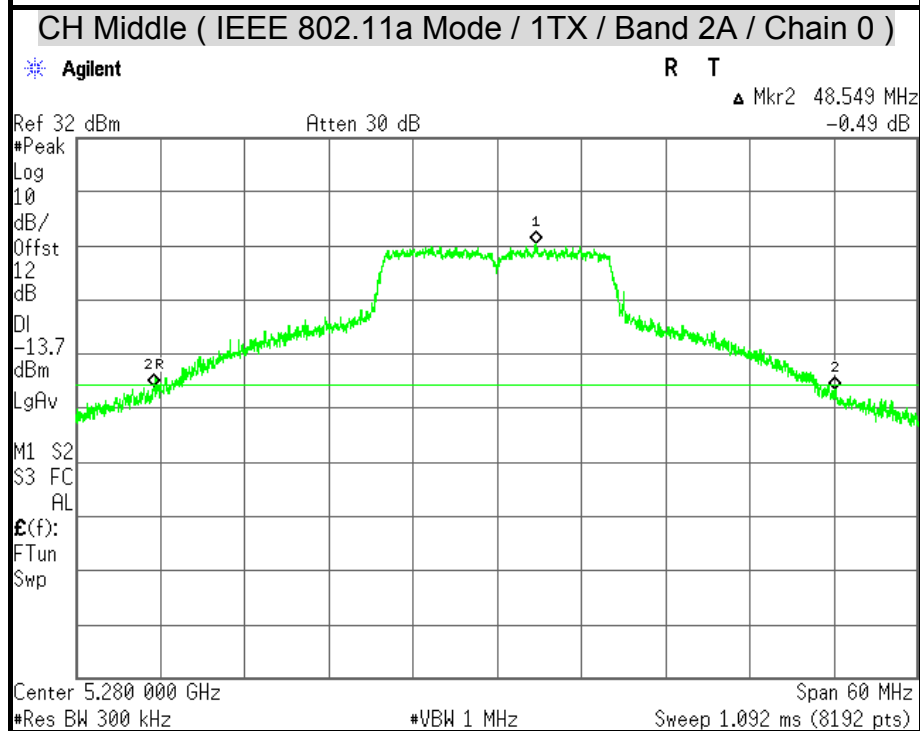
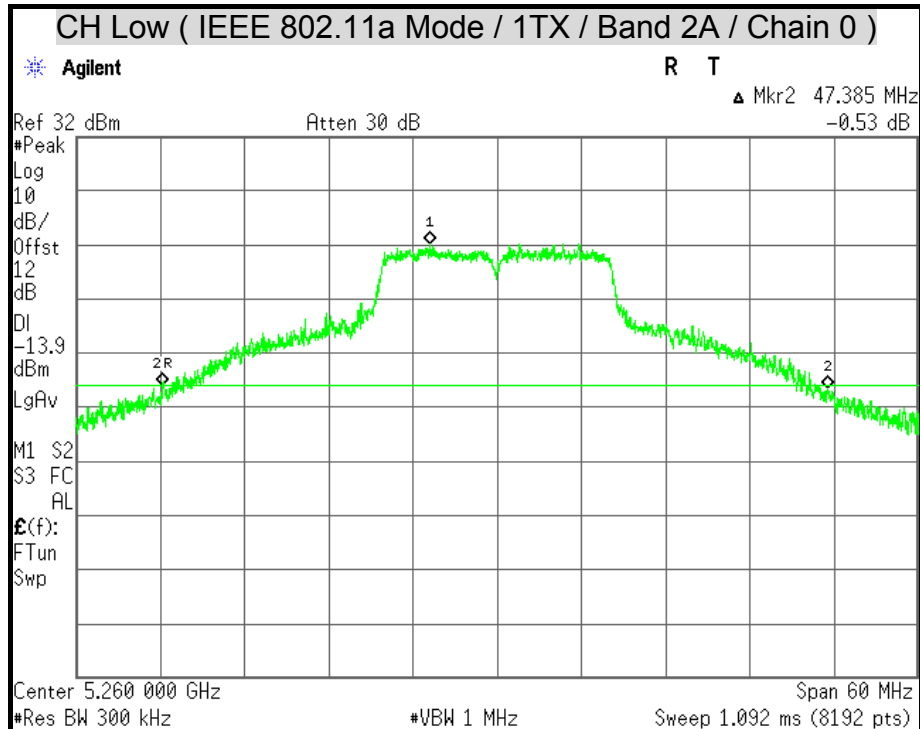
U-NII	Channel	Channel Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain 0	Chain 1
Band 2A	Low	5260	41.09	43.29
	Middle	5280	41.16	42.29
	High	5320	38.19	36.09
Band 2C	Low	5500	38.20	40.50
	Middle	5580	41.07	38.71
	High	5700	41.45	42.52

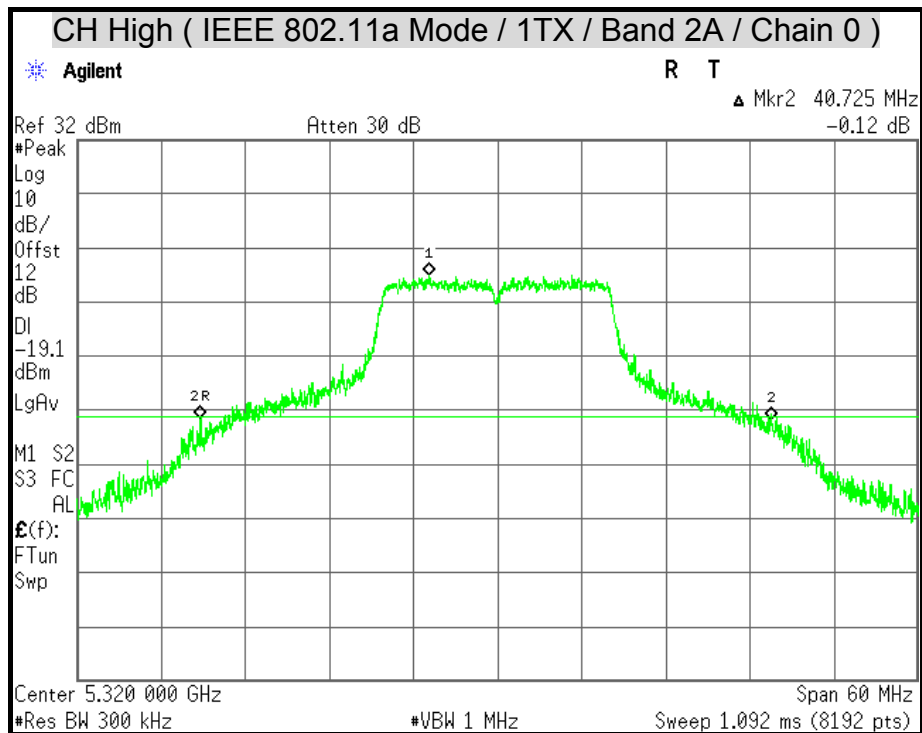
IEEE 802.11an HT40 Mode (2TX)

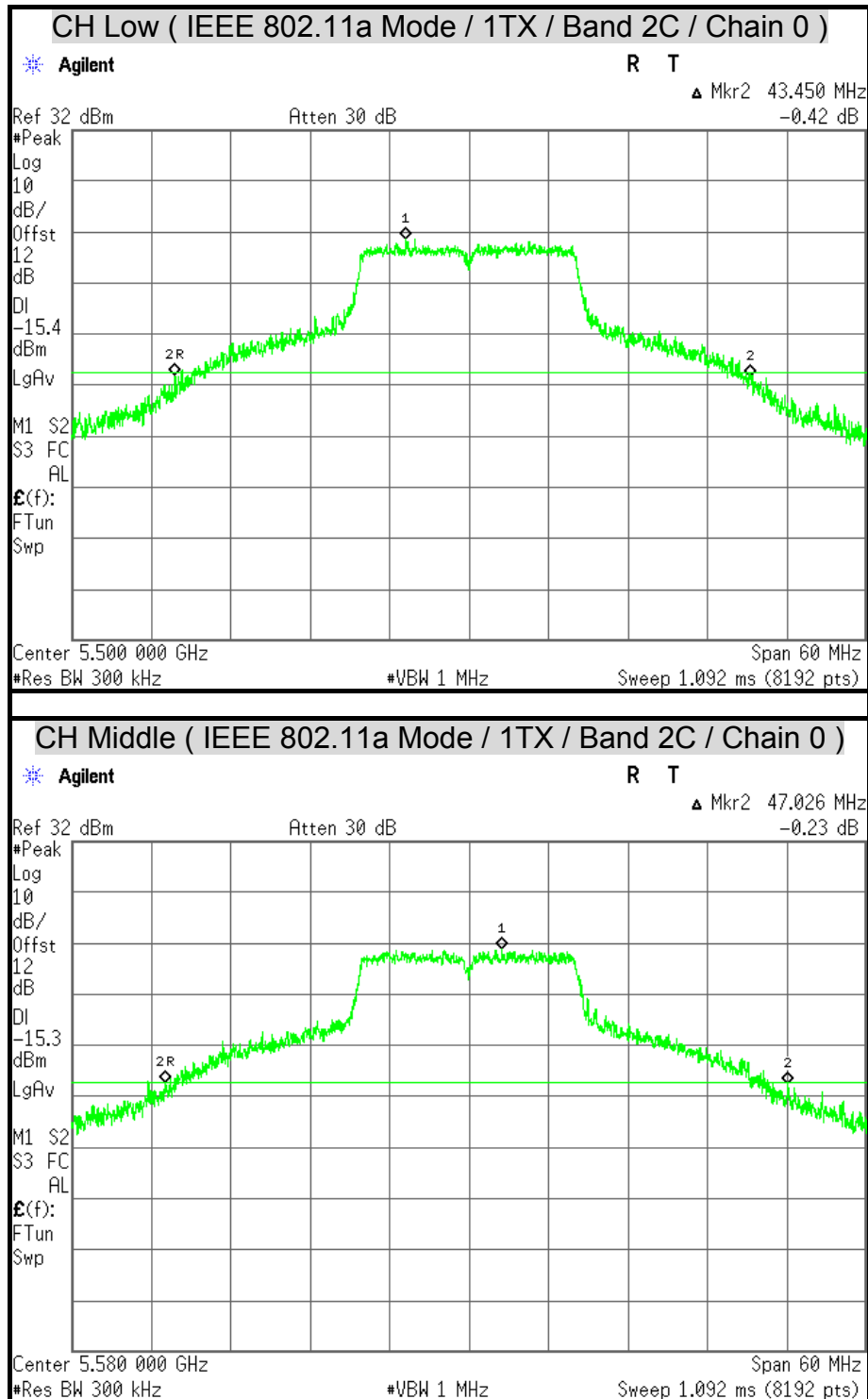
U-NII	Channel	Channel Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain 0	Chain 1
Band 2A	Low	5270	81.62	83.54
	High	5310	42.37	42.06
Band 2C	Low	5510	50.09	47.24
	Middle	5550	70.07	74.22
	High	5670	81.27	81.97

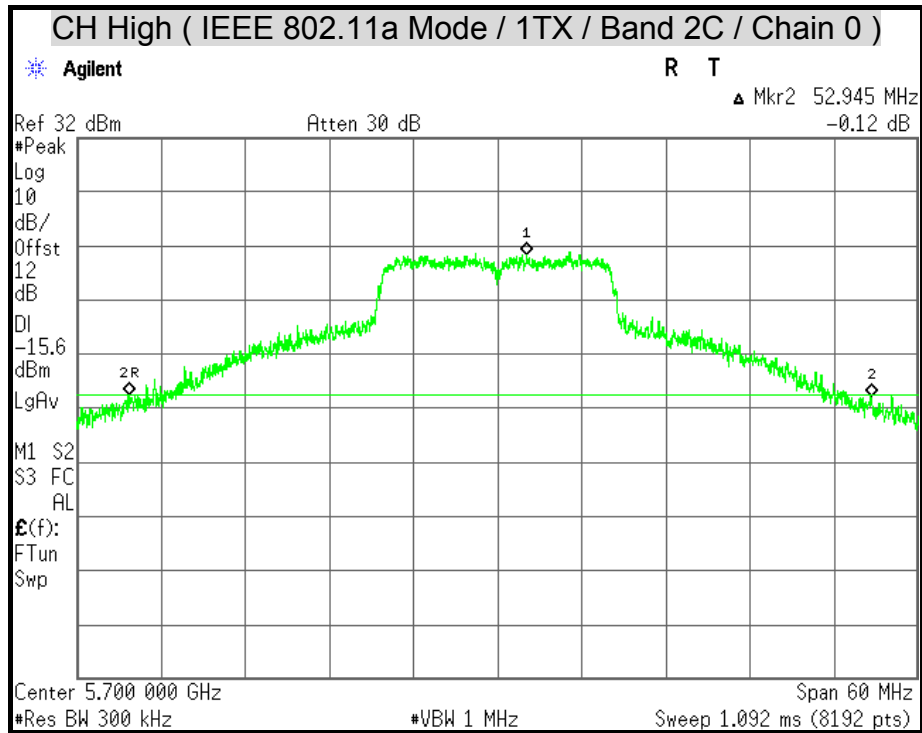


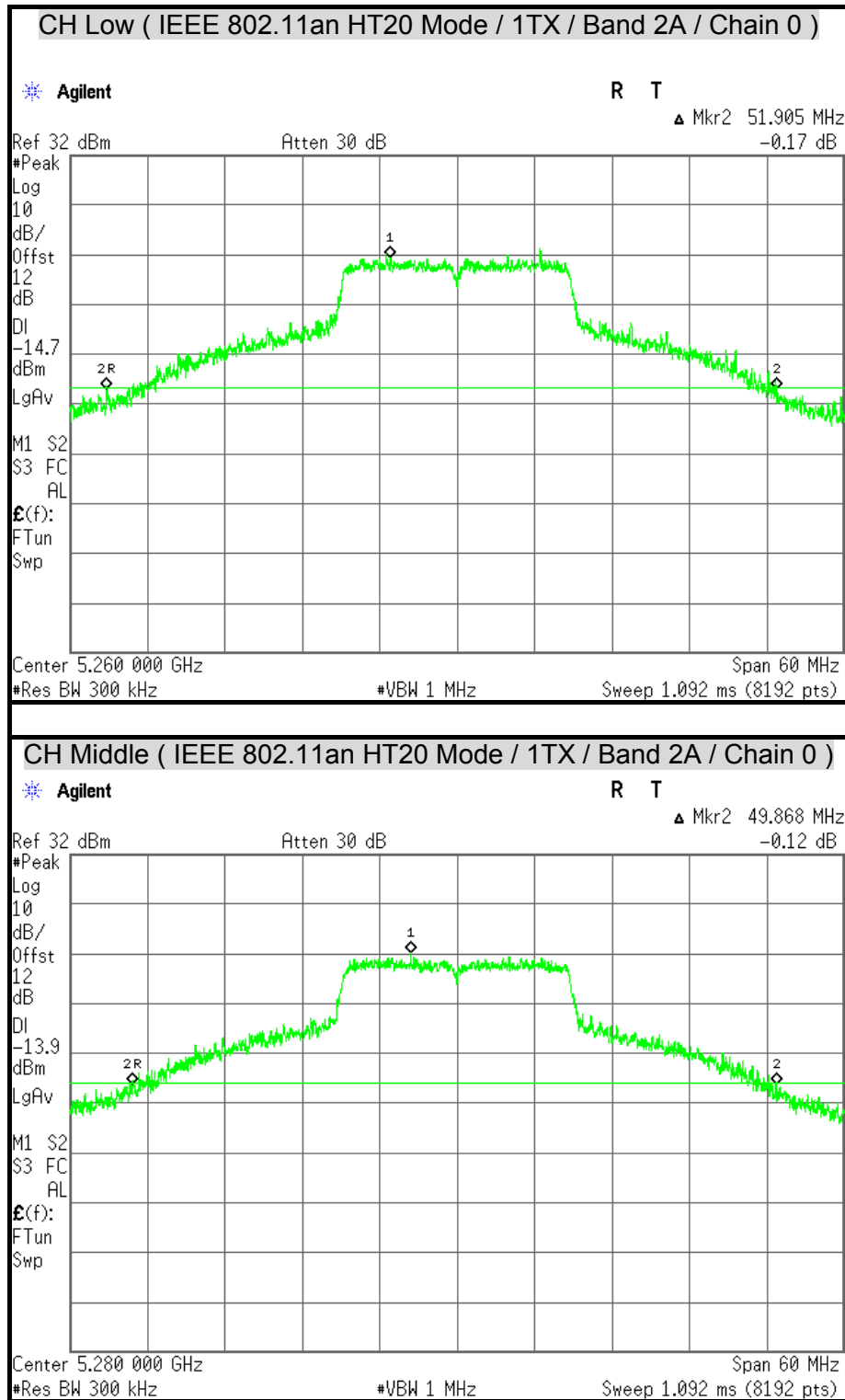
26dB BANDWIDTH

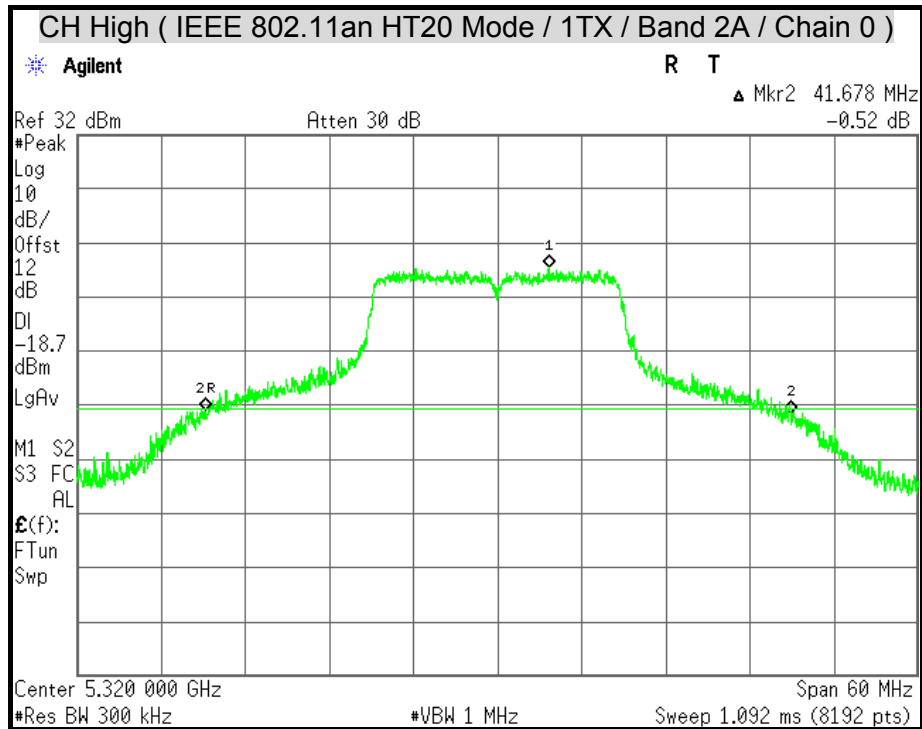


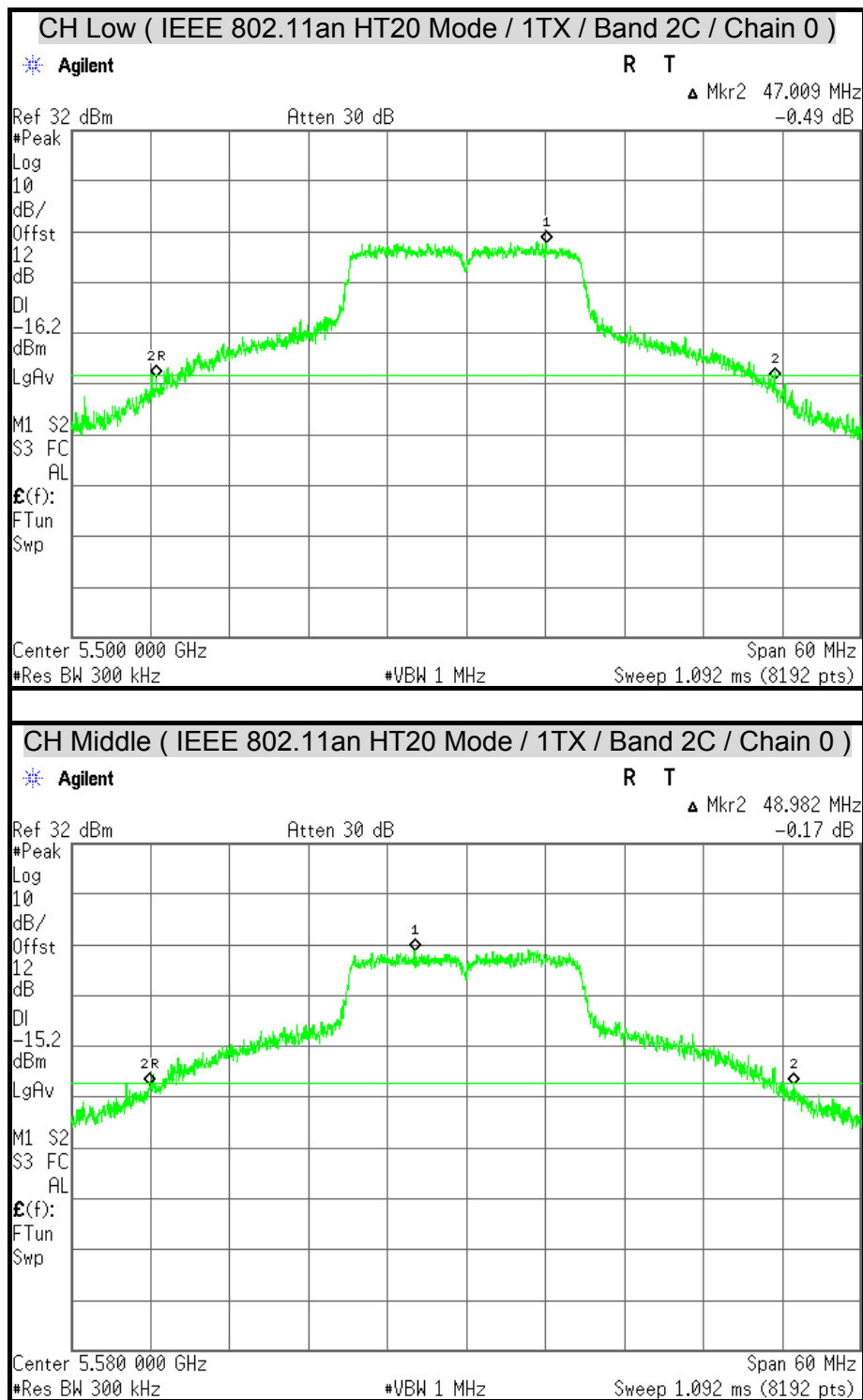


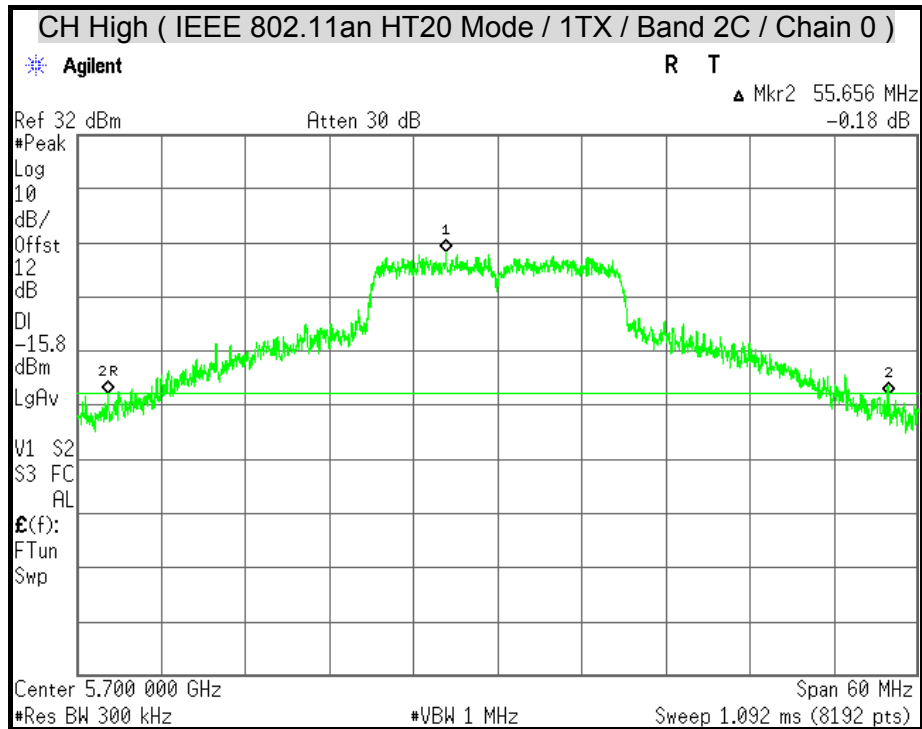


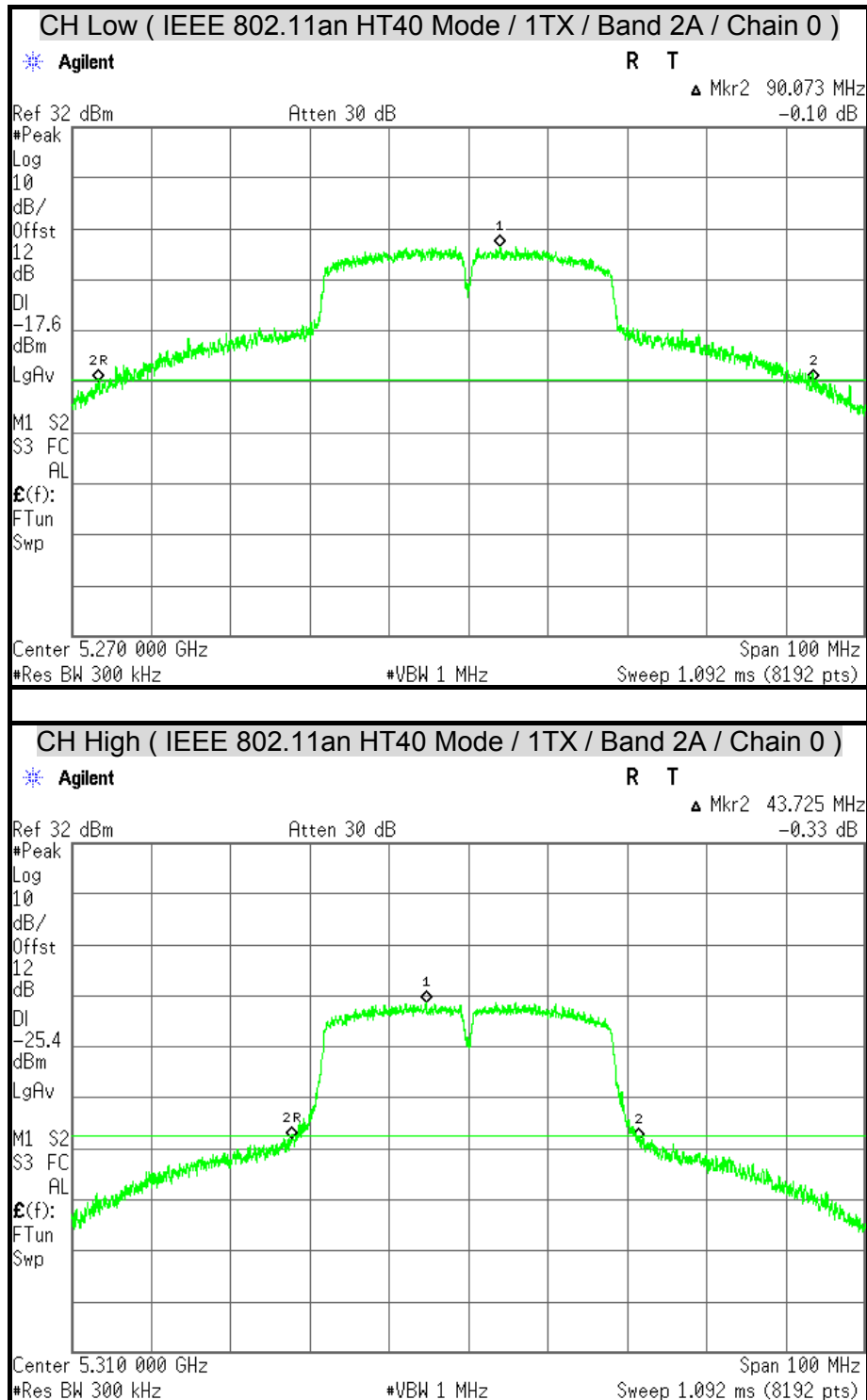


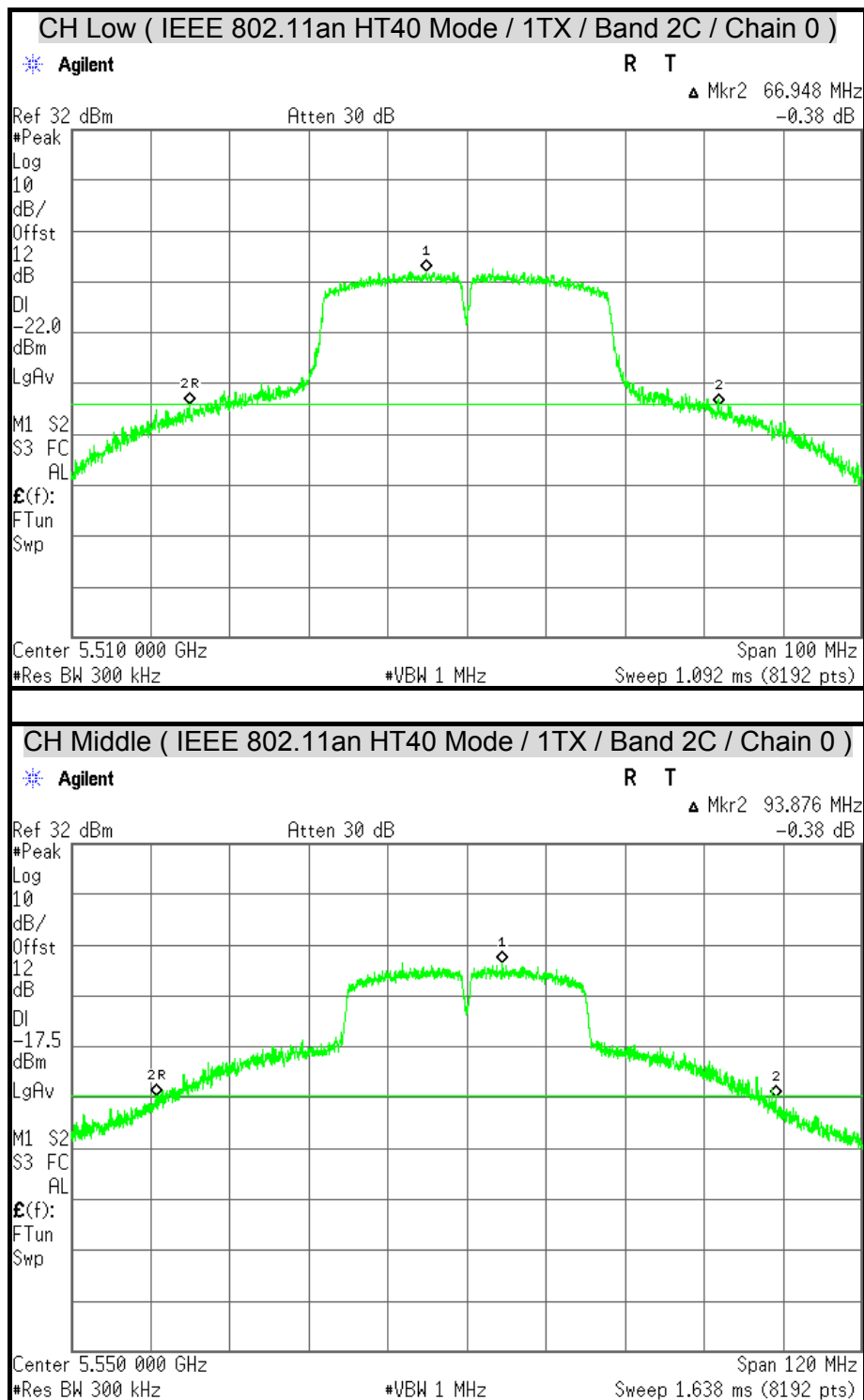


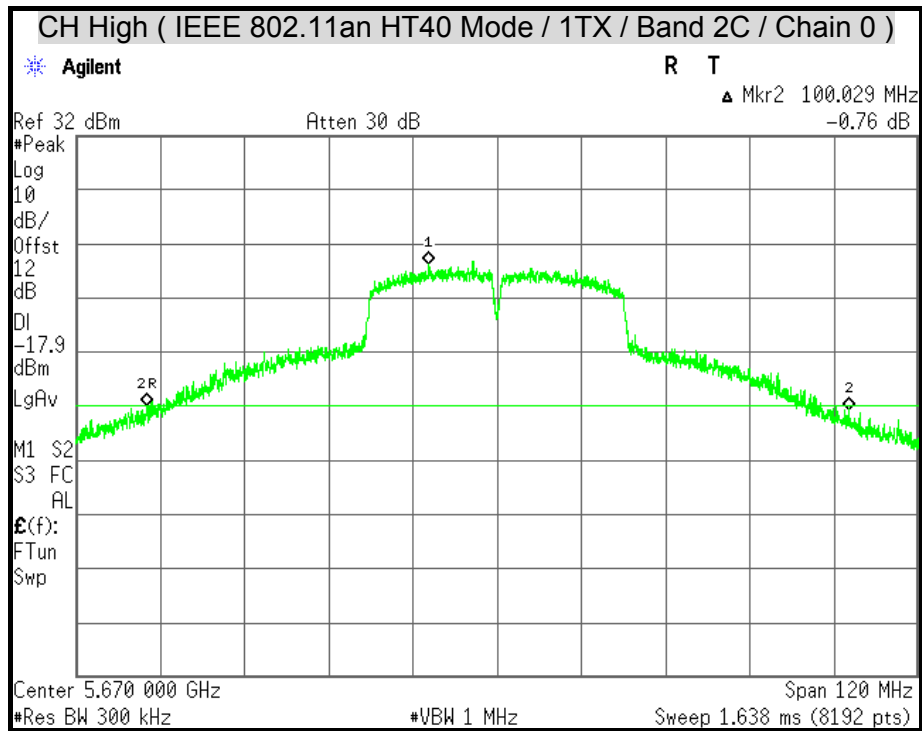


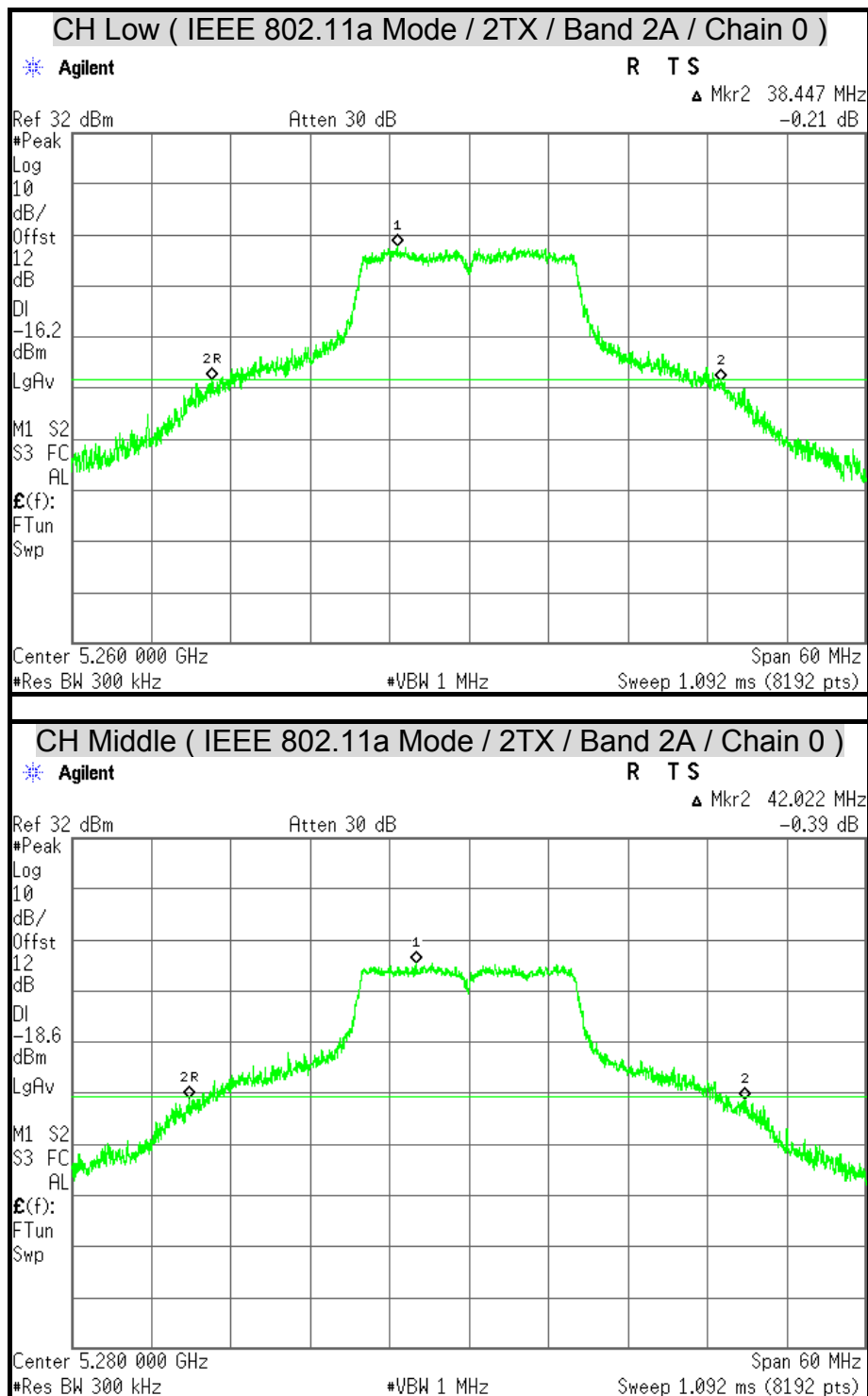


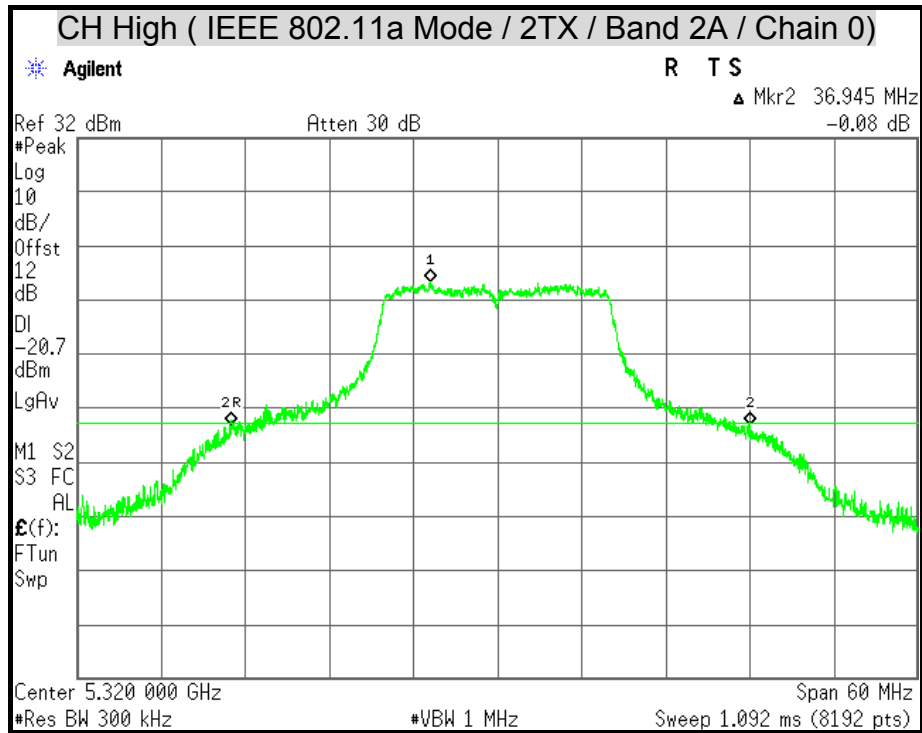


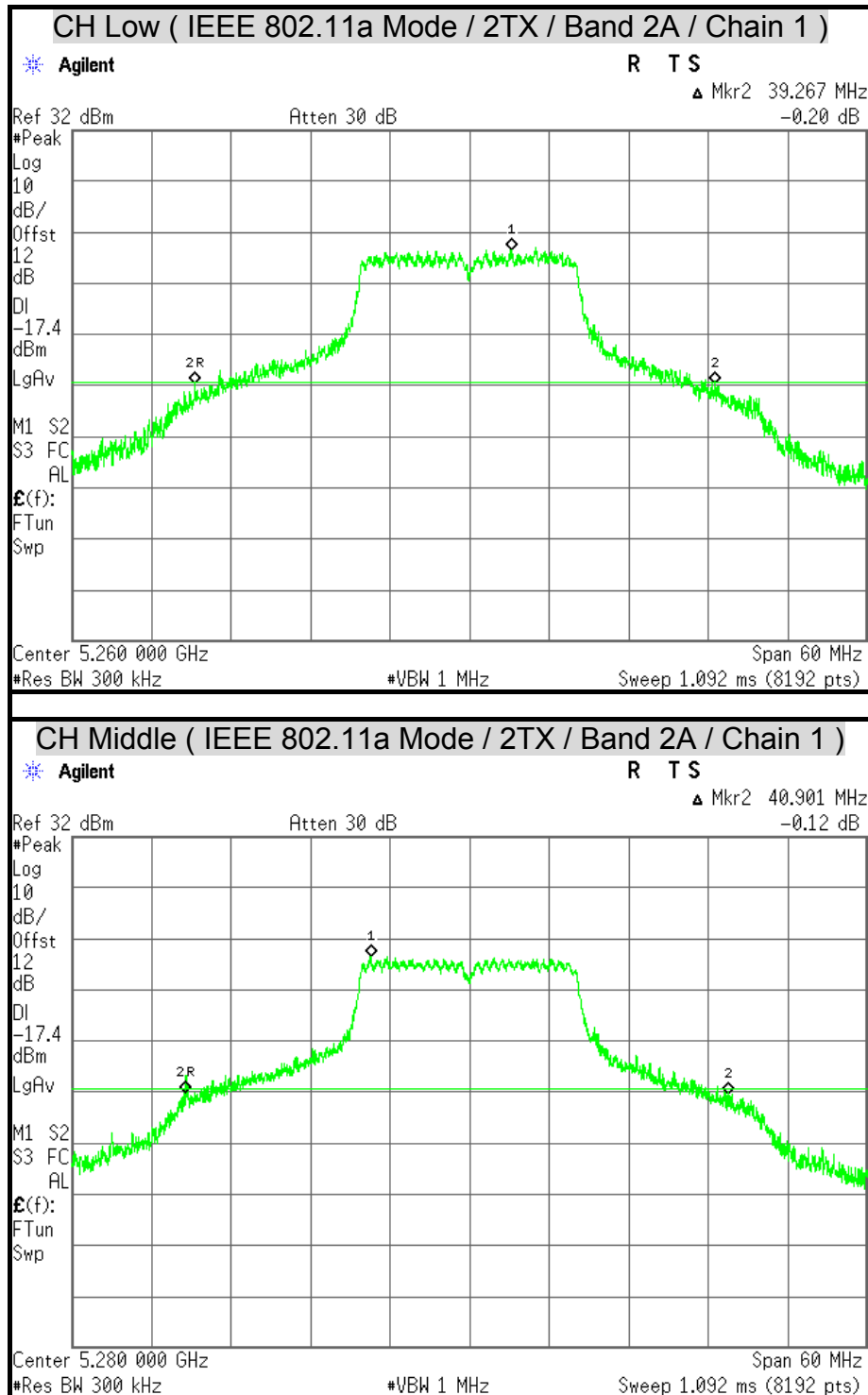


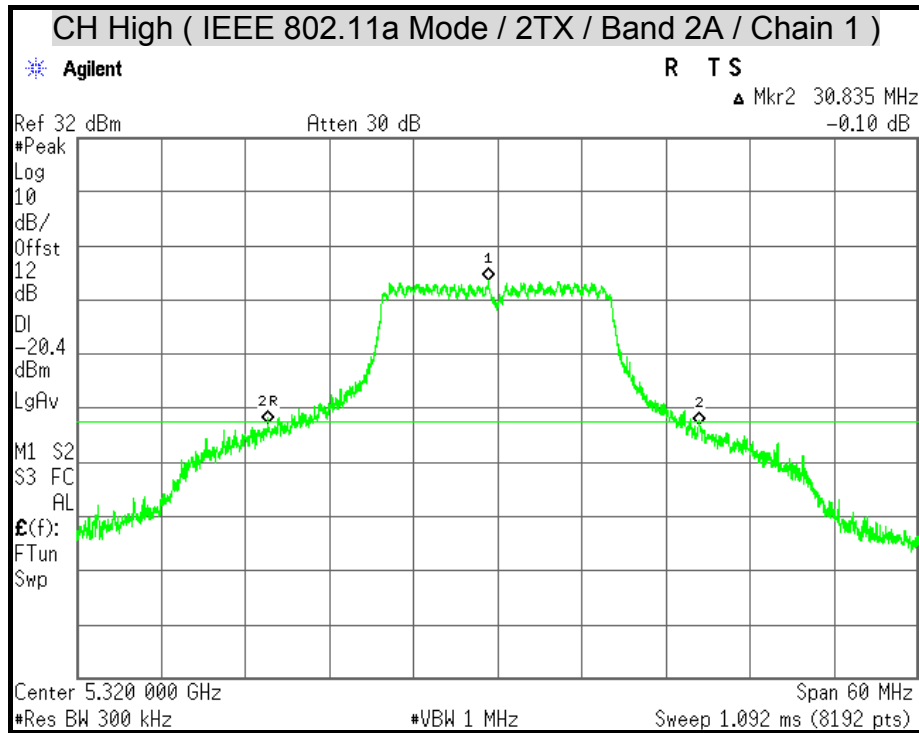


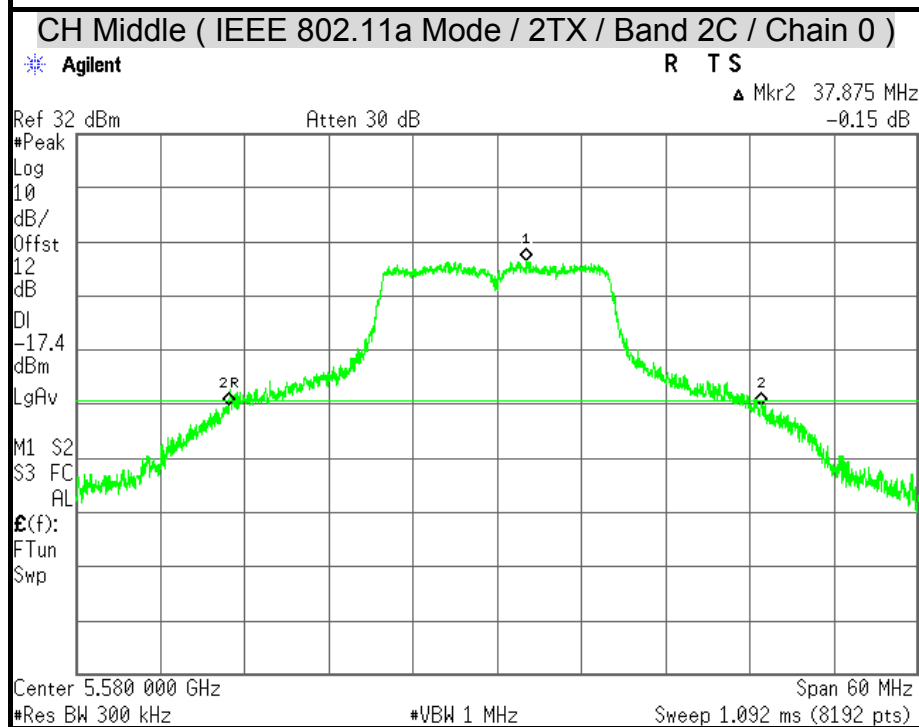
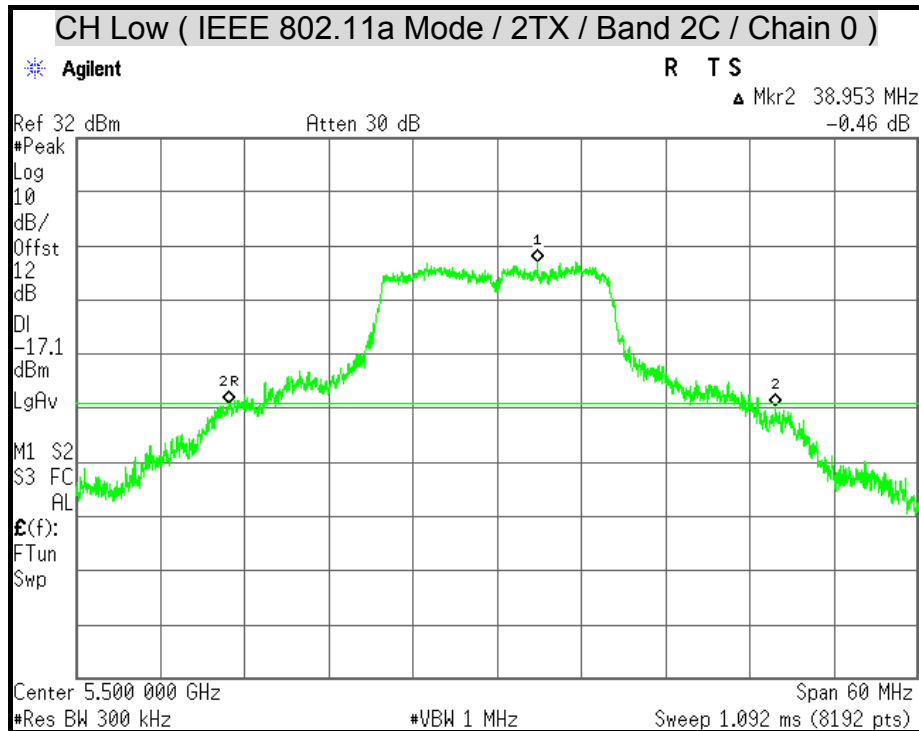


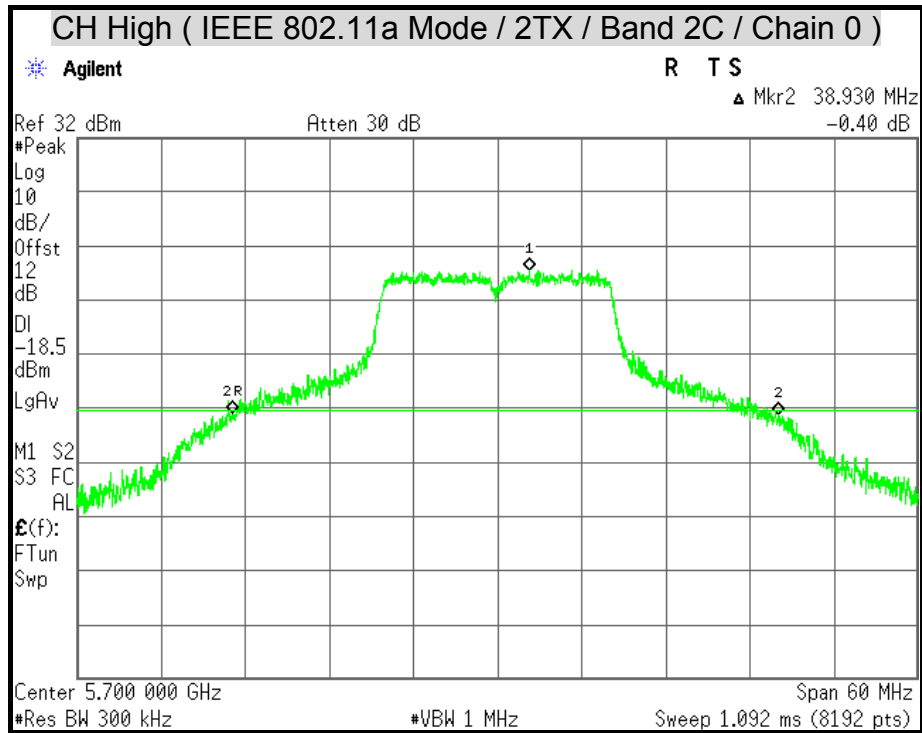


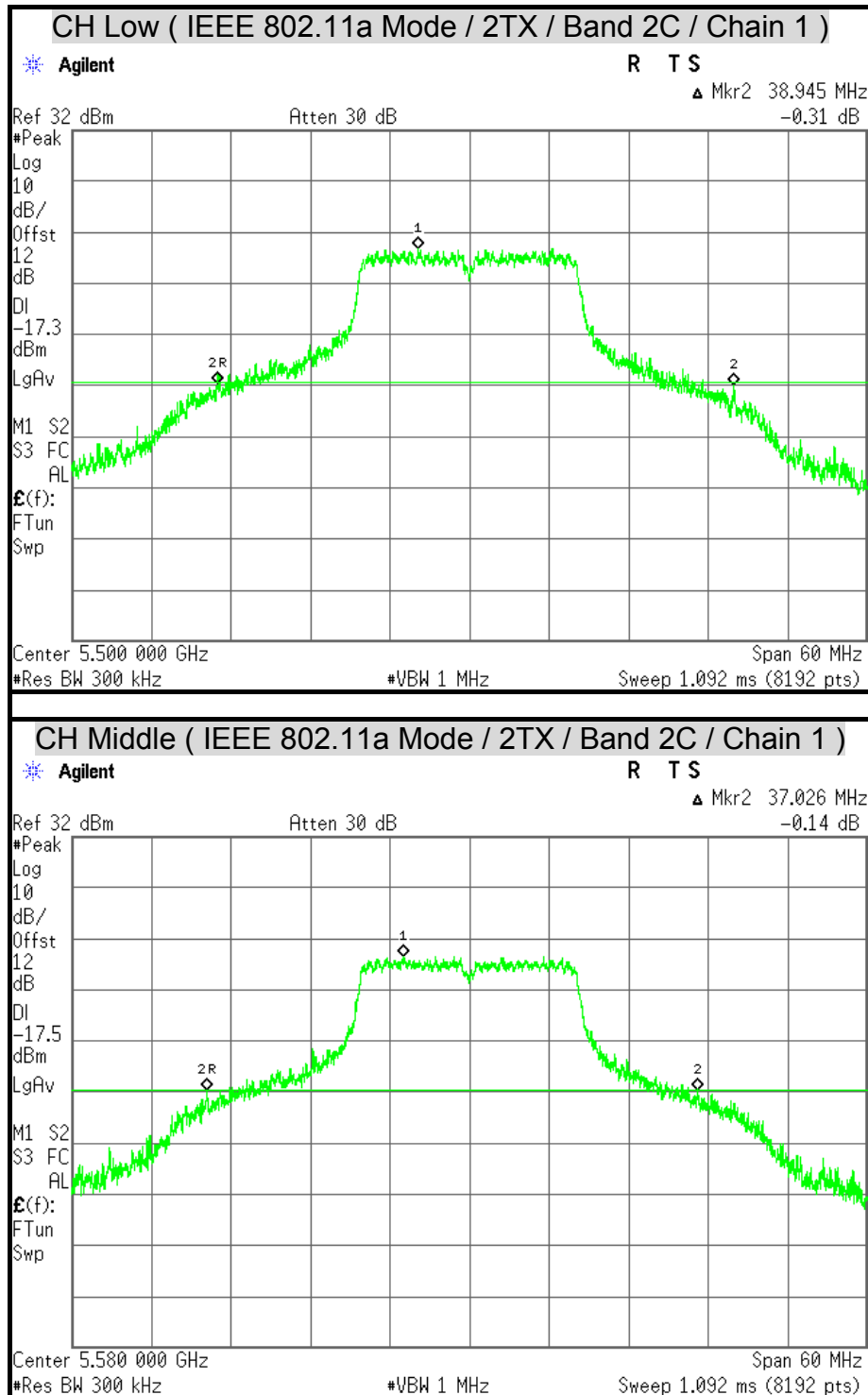


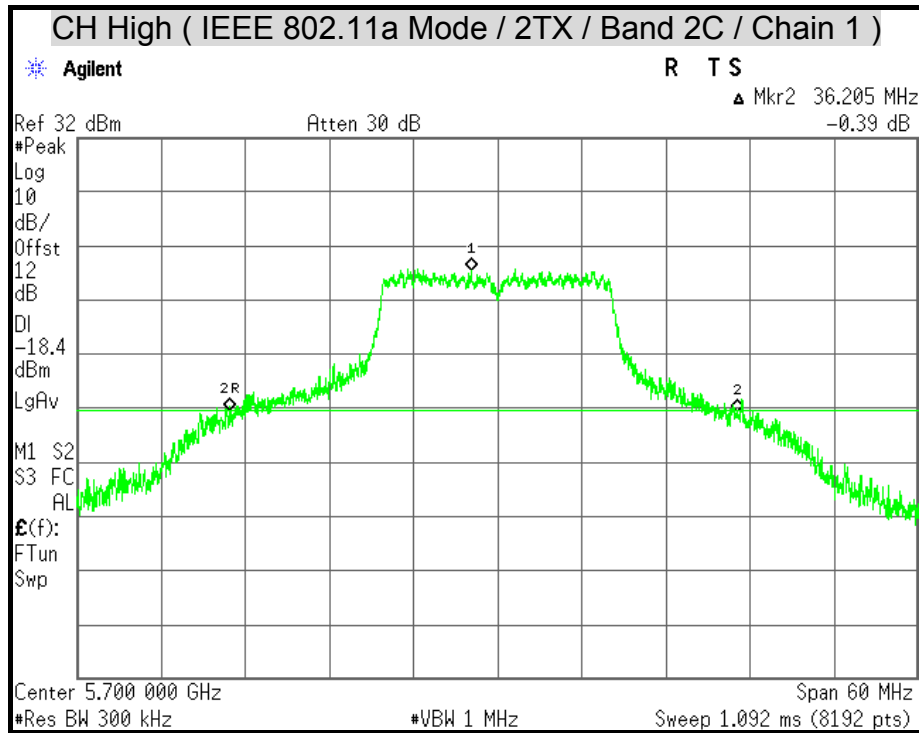


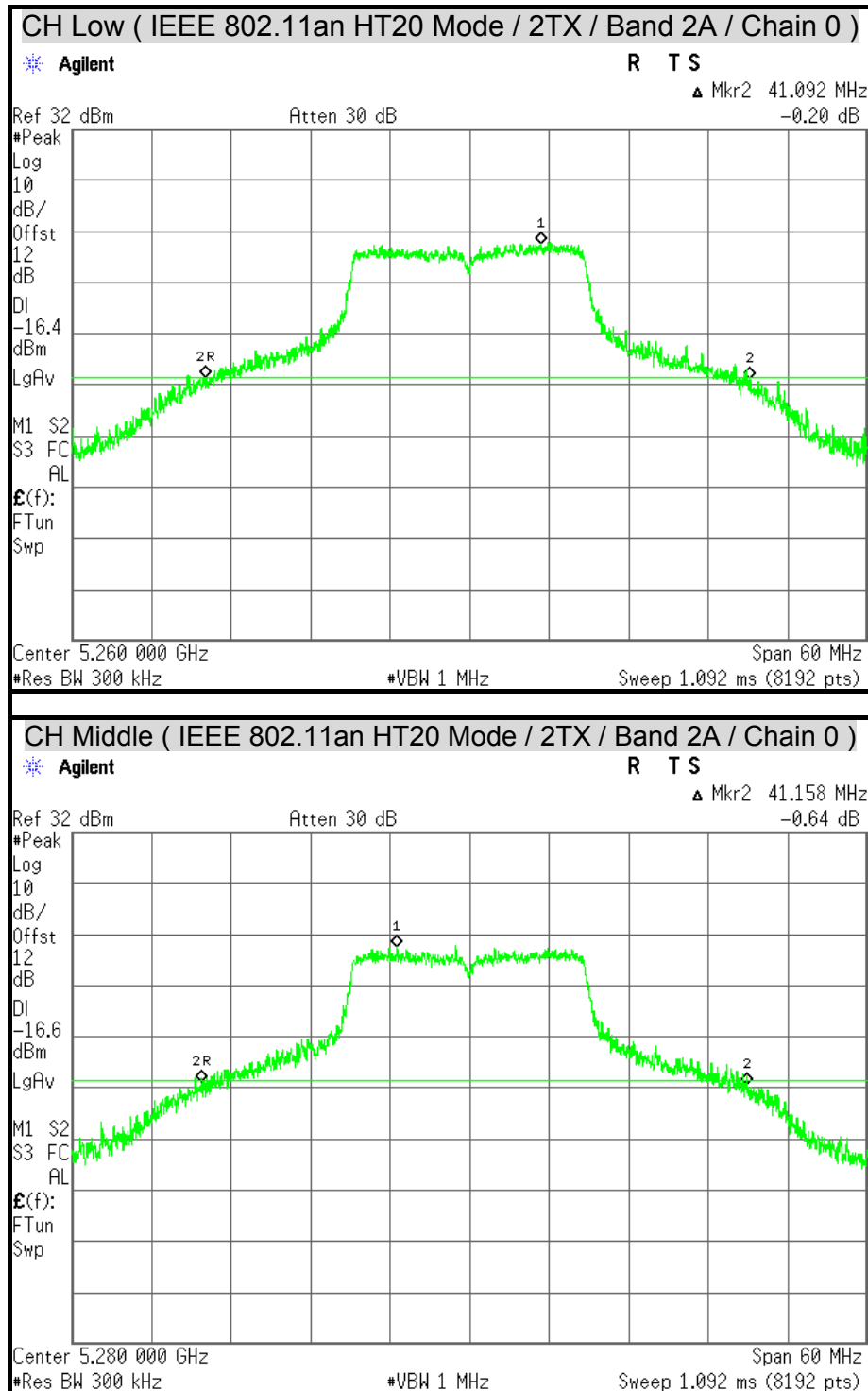


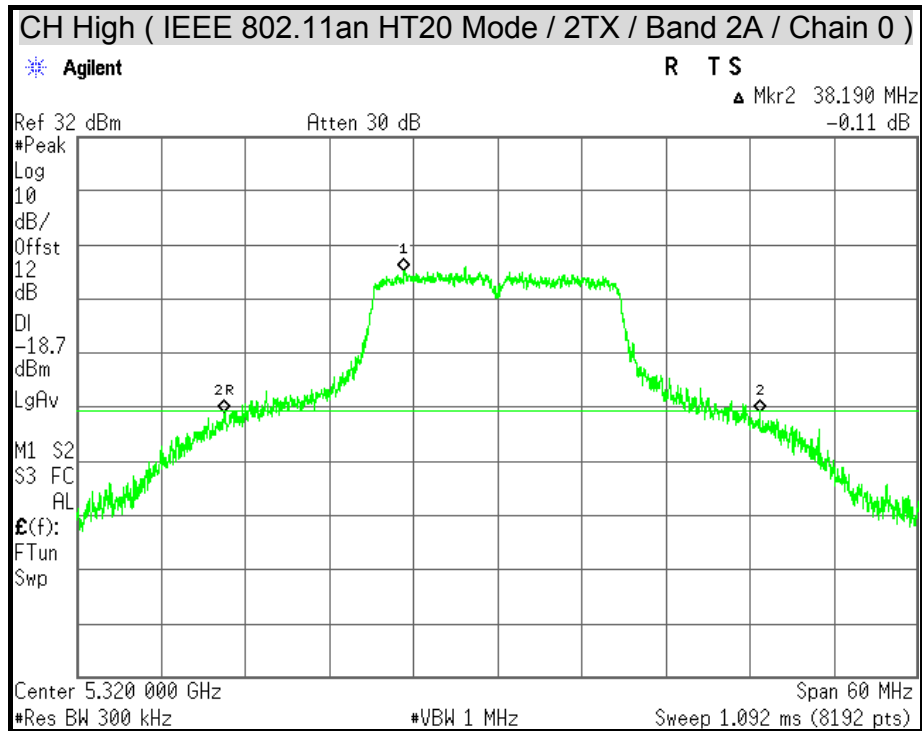


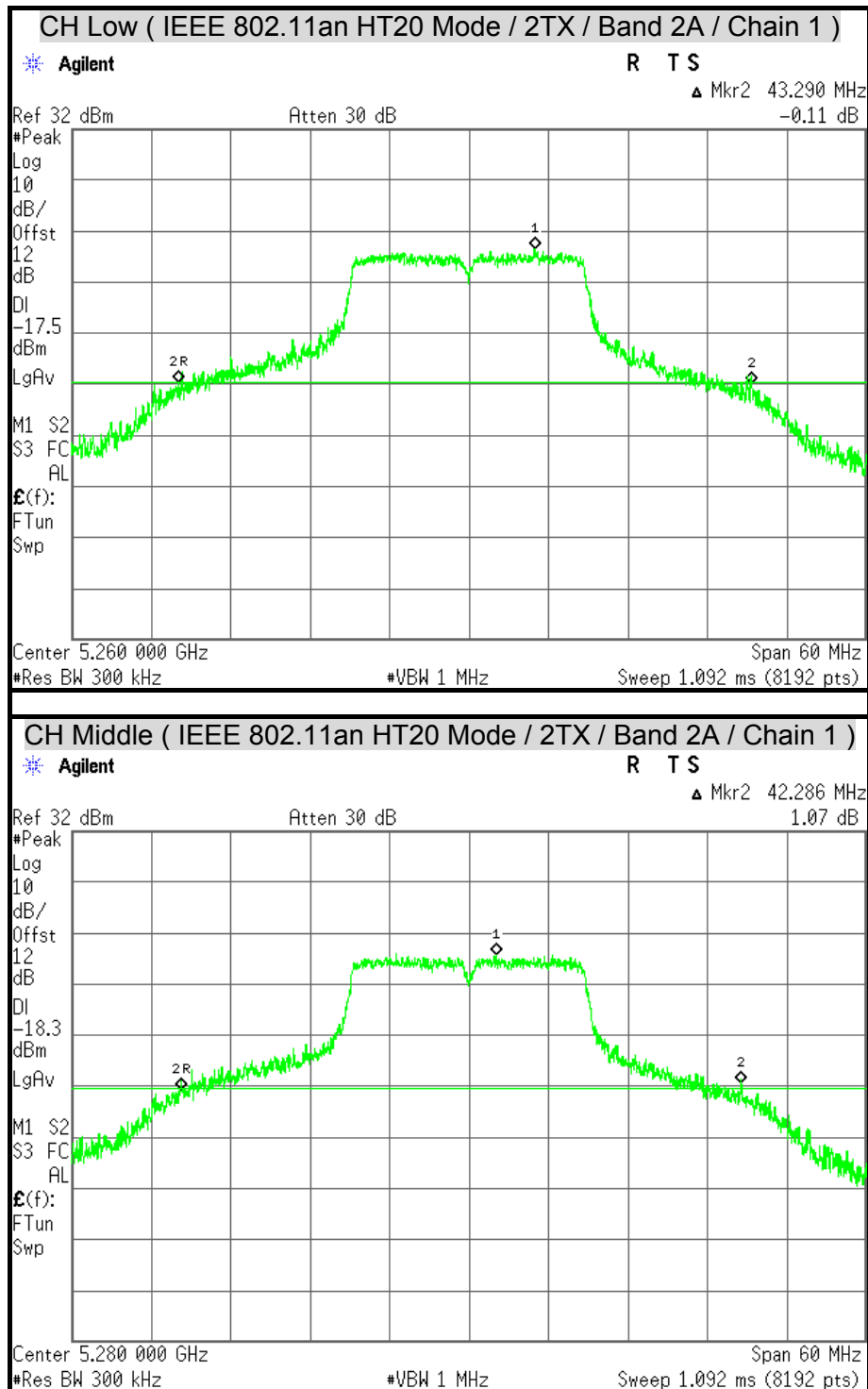


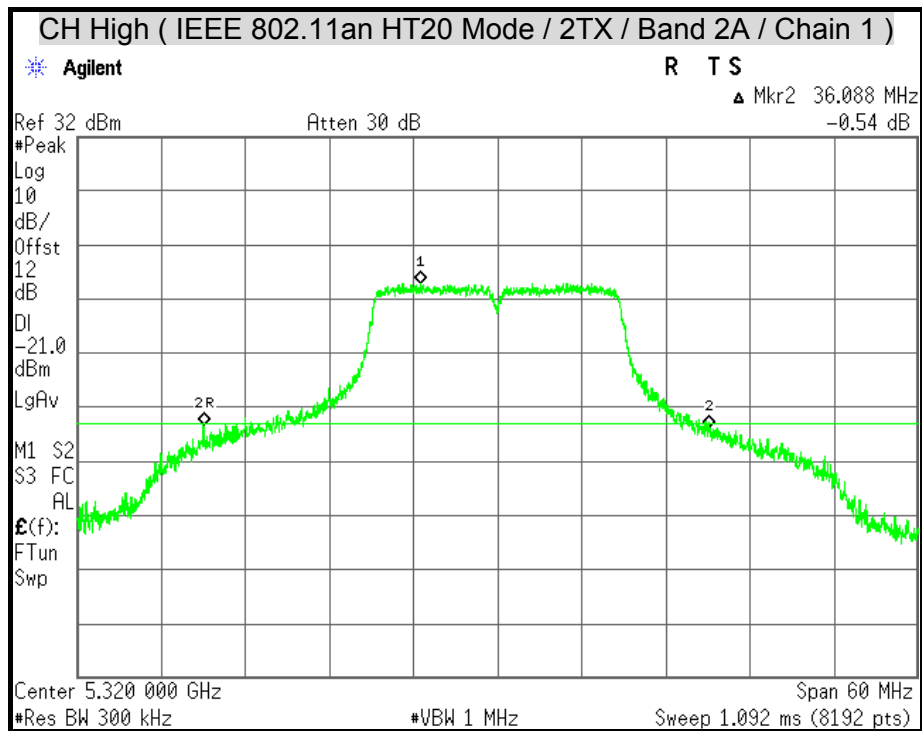


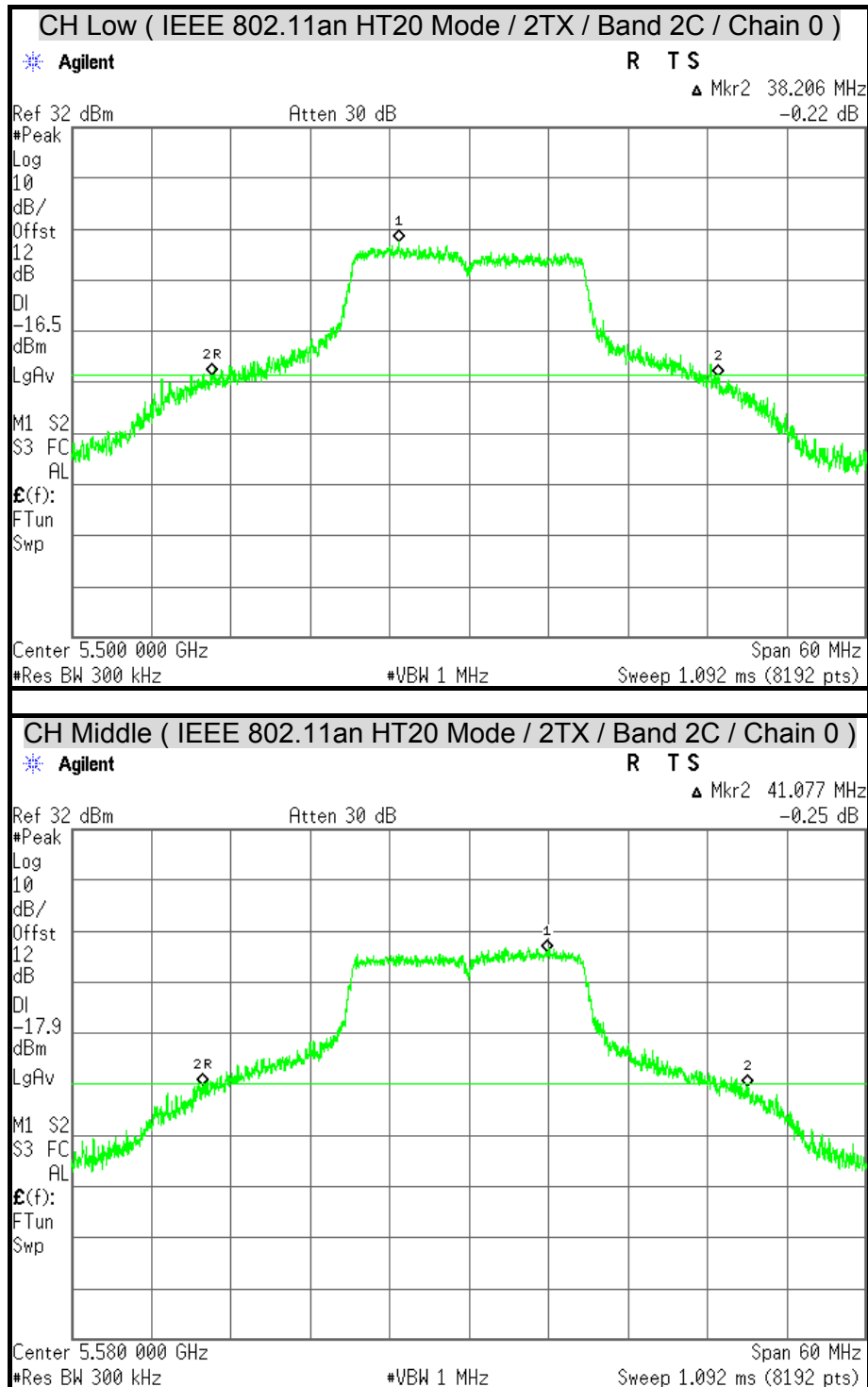


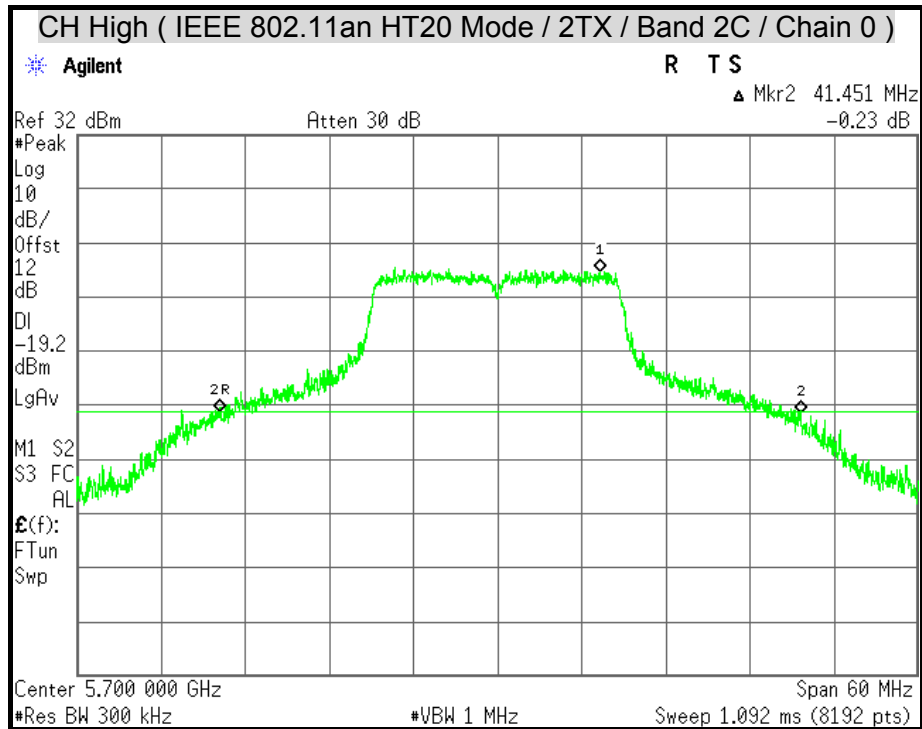


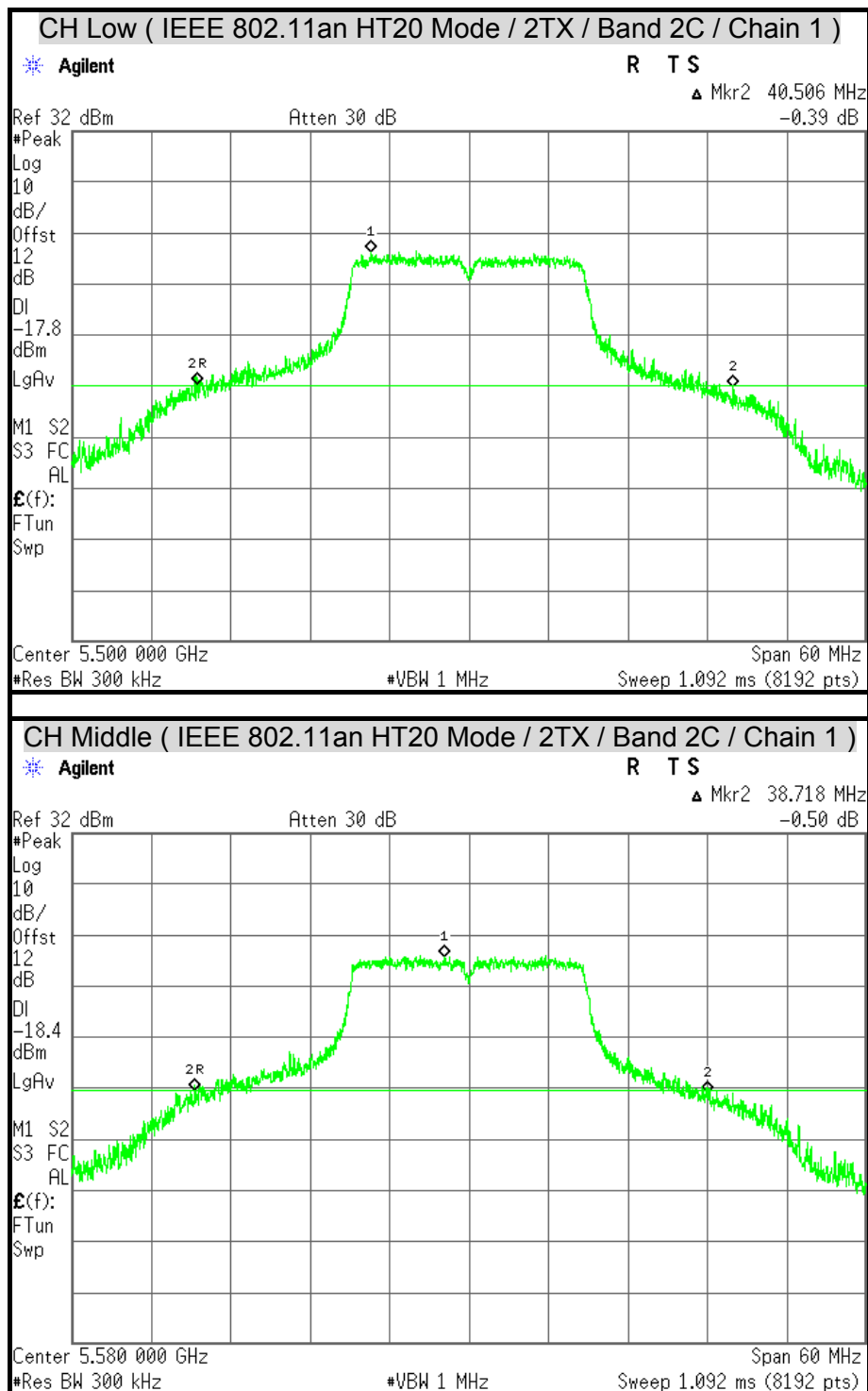


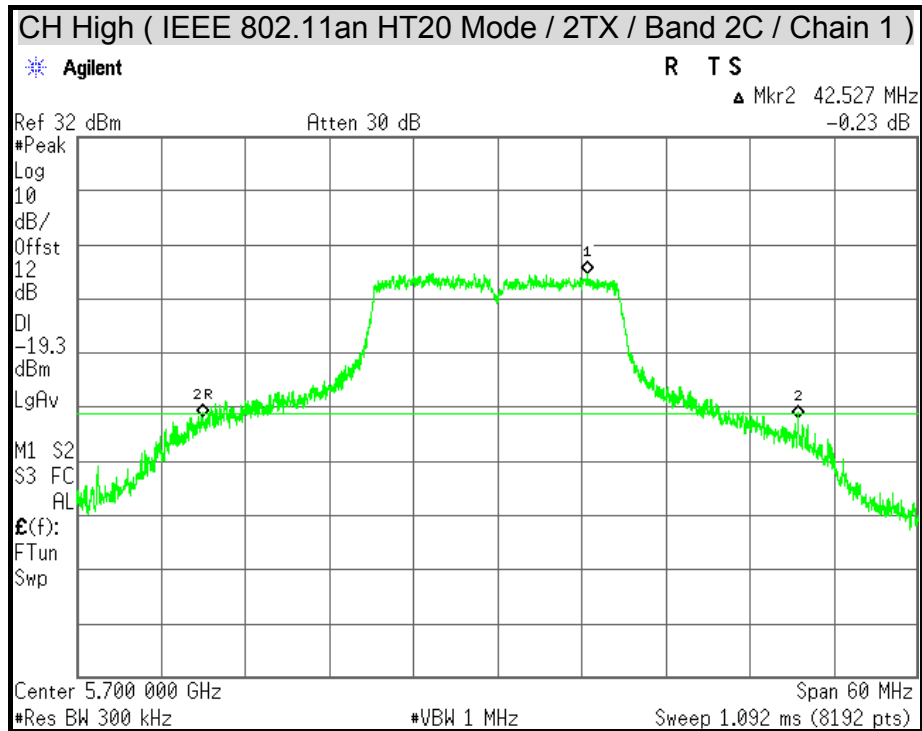


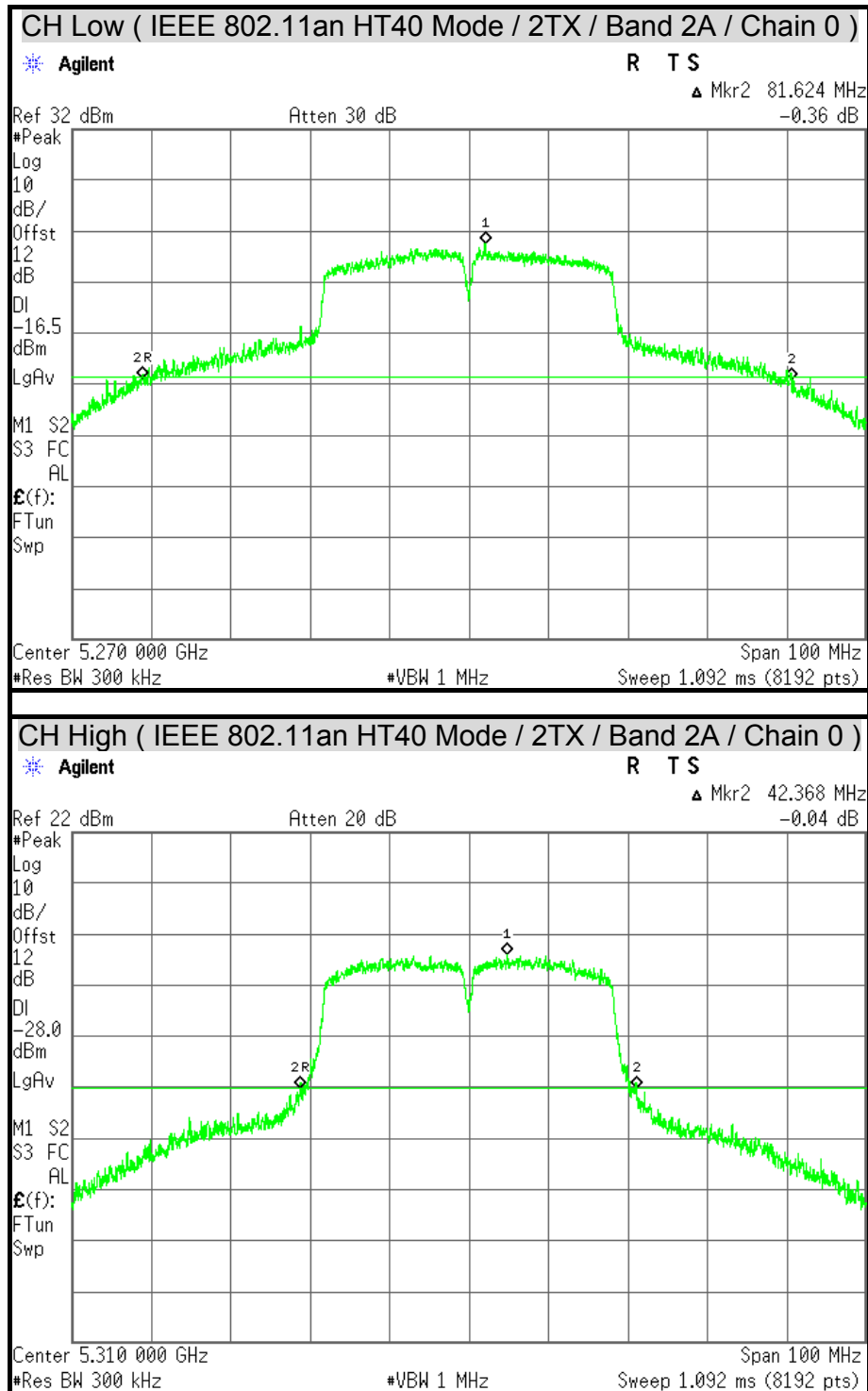


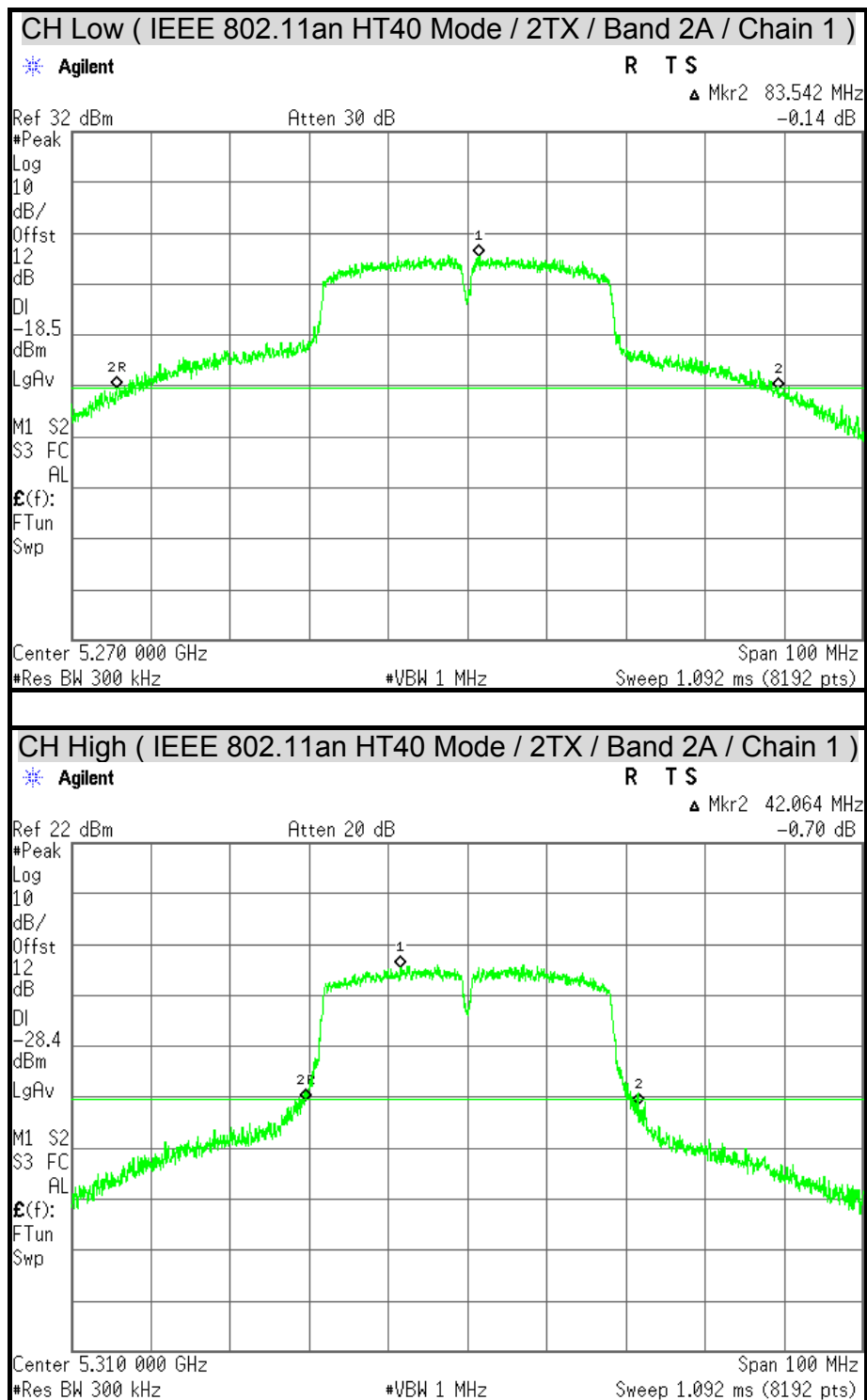


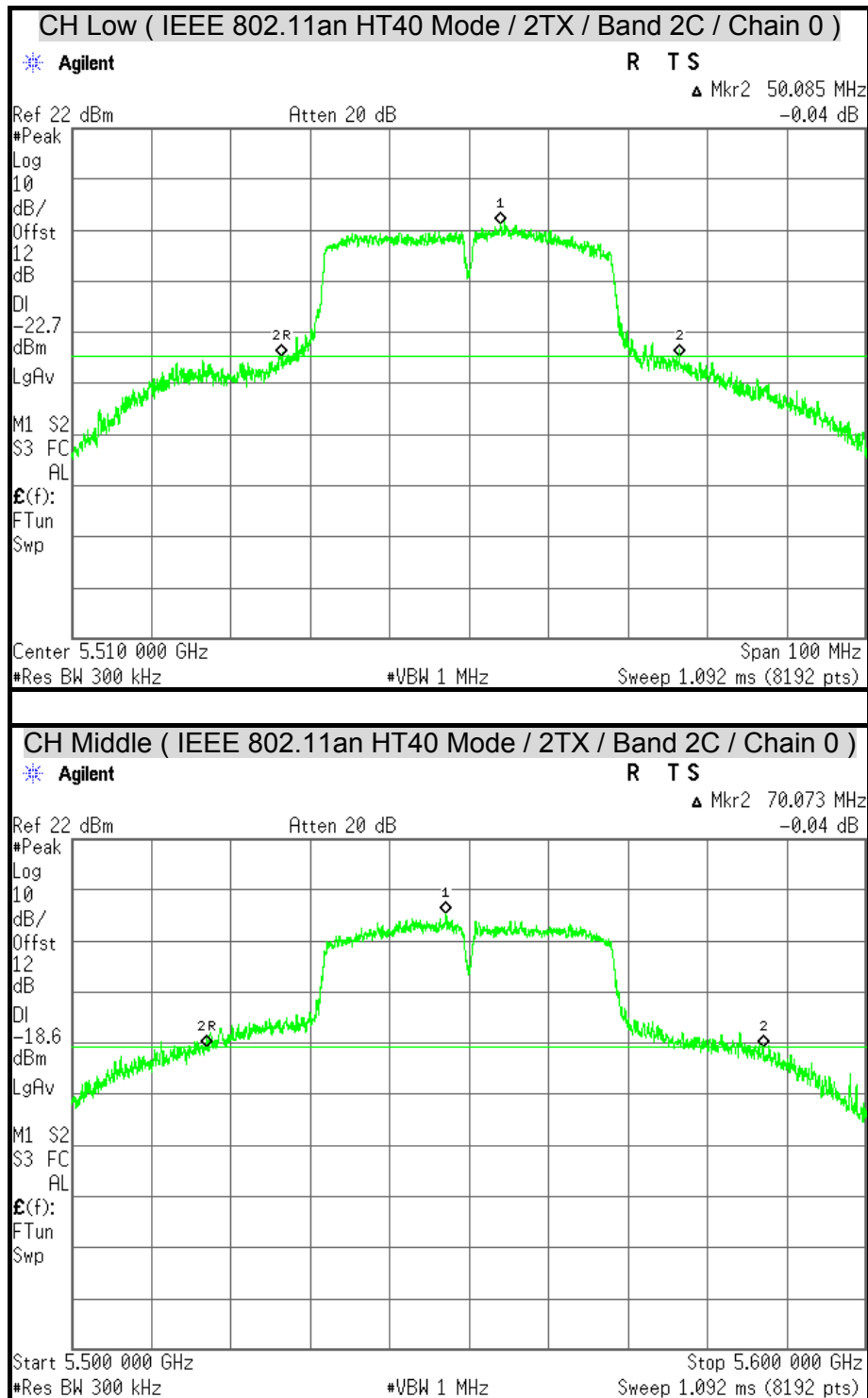


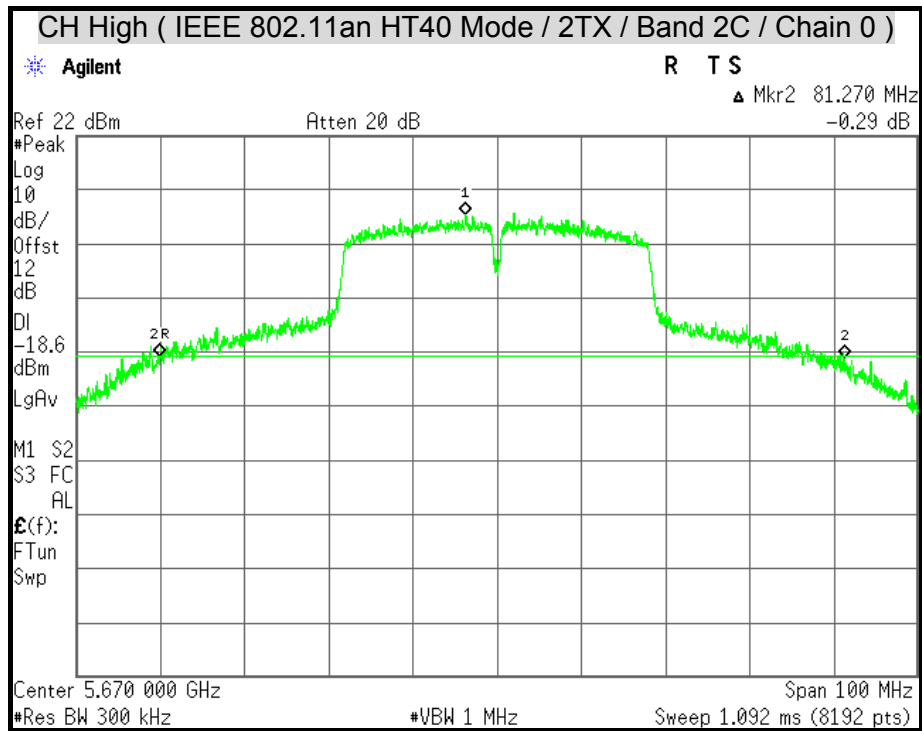


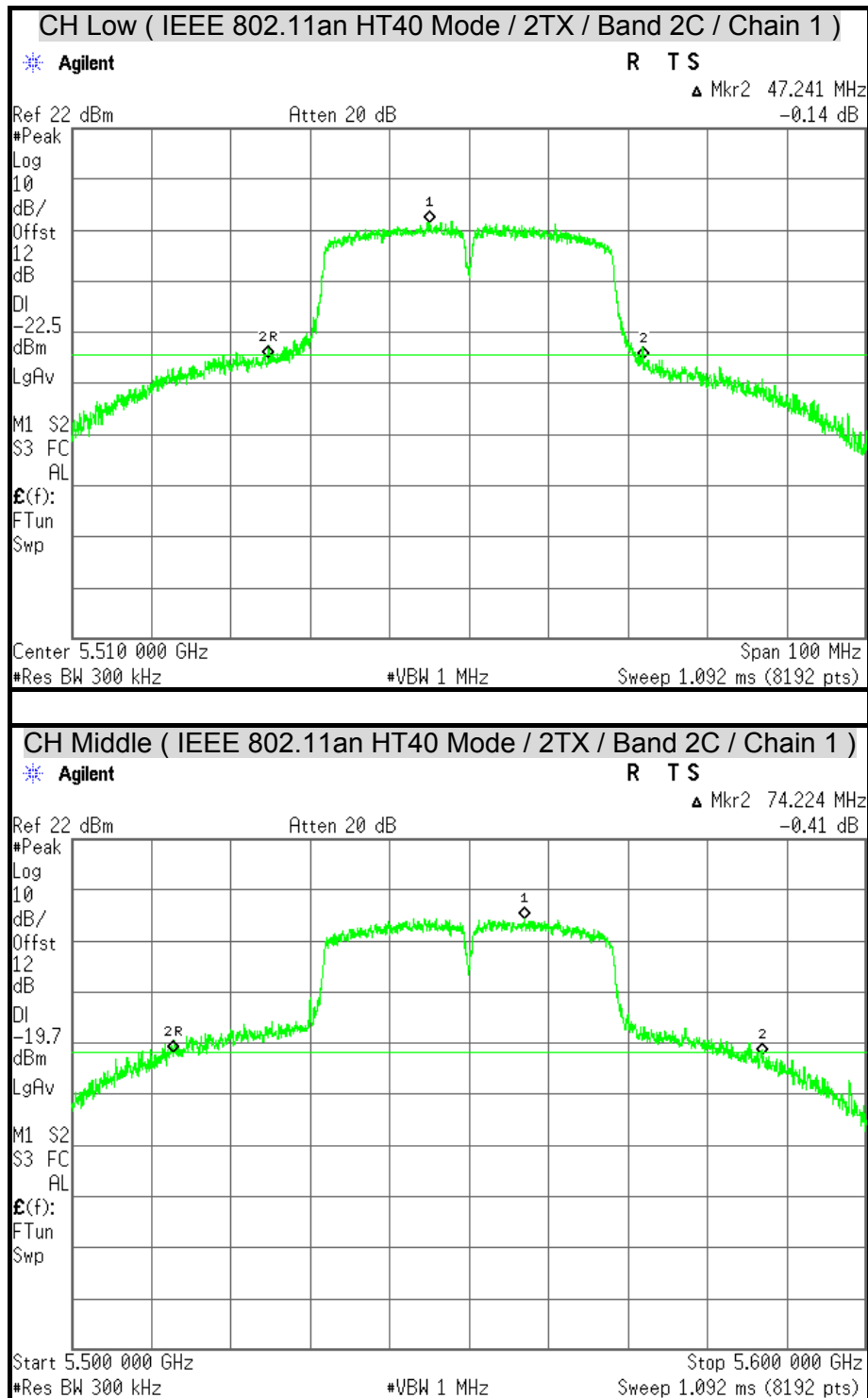


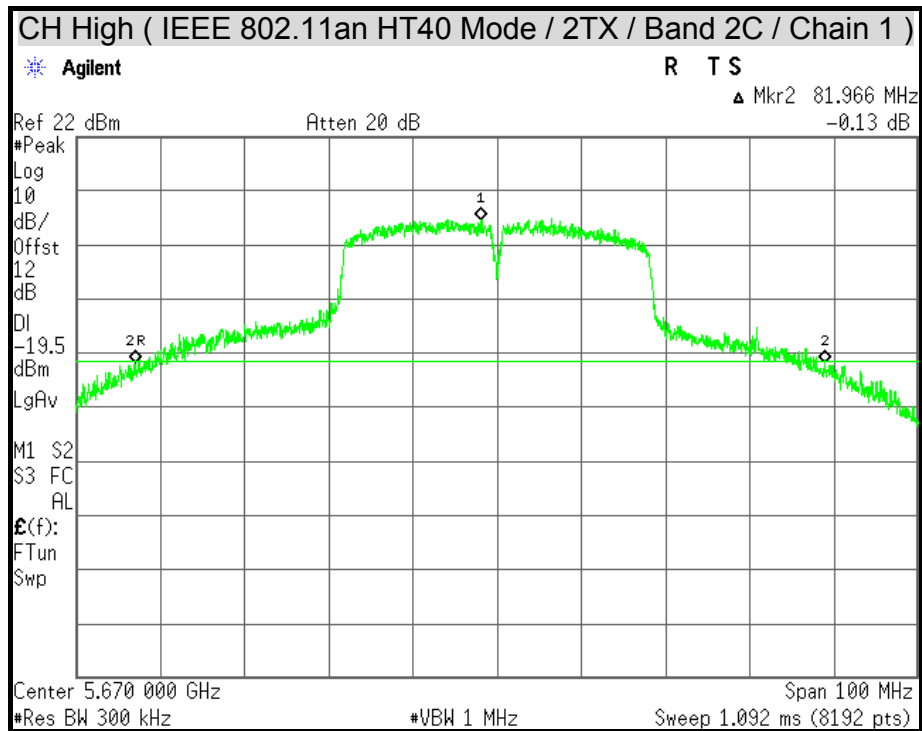














7.2 6dB BANDWIDTH

LIMITS

According to § 15.407 (e), within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

TEST EQUIPMENT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	MY43360132	06/10/2015

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

TEST SETUP



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 = 300kHz, Sweep = auto.
4. Mark the peak frequency and -6dB (upper and lower) frequency.
5. Repeat until all the rest channels are investigated.

**TEST RESULTS****IEEE 802.11a Mode (1TX)**

U-NII	Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)
			Chain 0
Band 3	Low	5745	16.385
	Middle	5785	16.450
	High	5825	16.340

IEEE 802.11an HT20 Mode (1TX)

U-NII	Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)
			Chain 0
Band 3	Low	5745	17.690
	Middle	5785	17.510
	High	5825	17.580

IEEE 802.11an HT40 Mode (1TX)

U-NII	Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)
			Chain 0
Band 3	Low	5755	31.280
	High	5795	32.165

**IEEE 802.11a Mode (2TX)**

U-NII	Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	
			Chain 0	Chain 1
Band 3	Low	5745	16.360	16.315
	Middle	5785	16.080	16.380
	High	5825	16.355	16.380

IEEE 802.11an HT20 Mode (2TX)

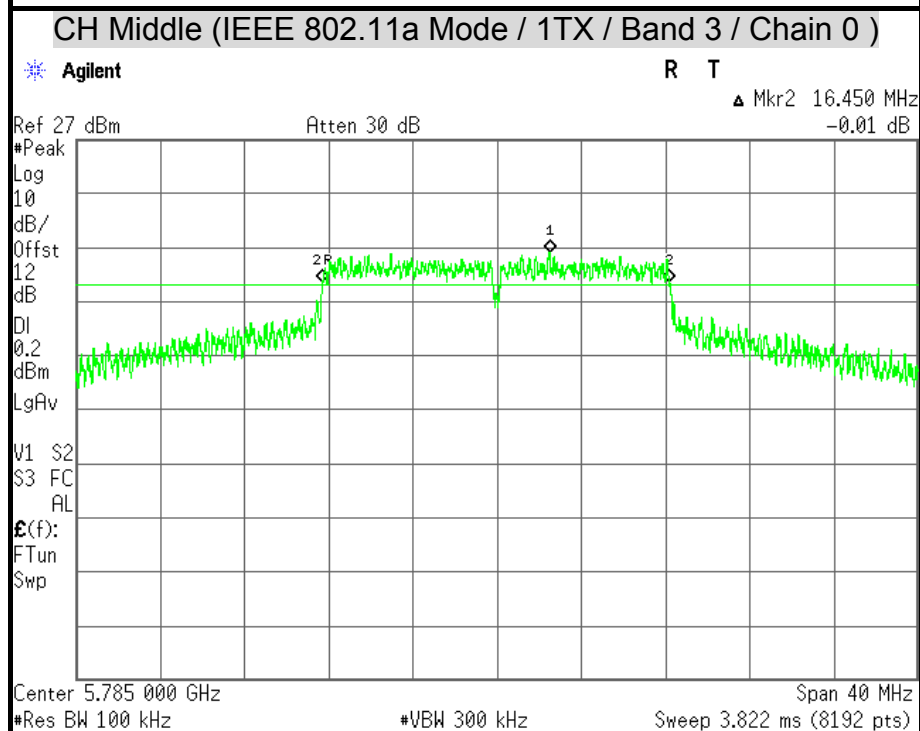
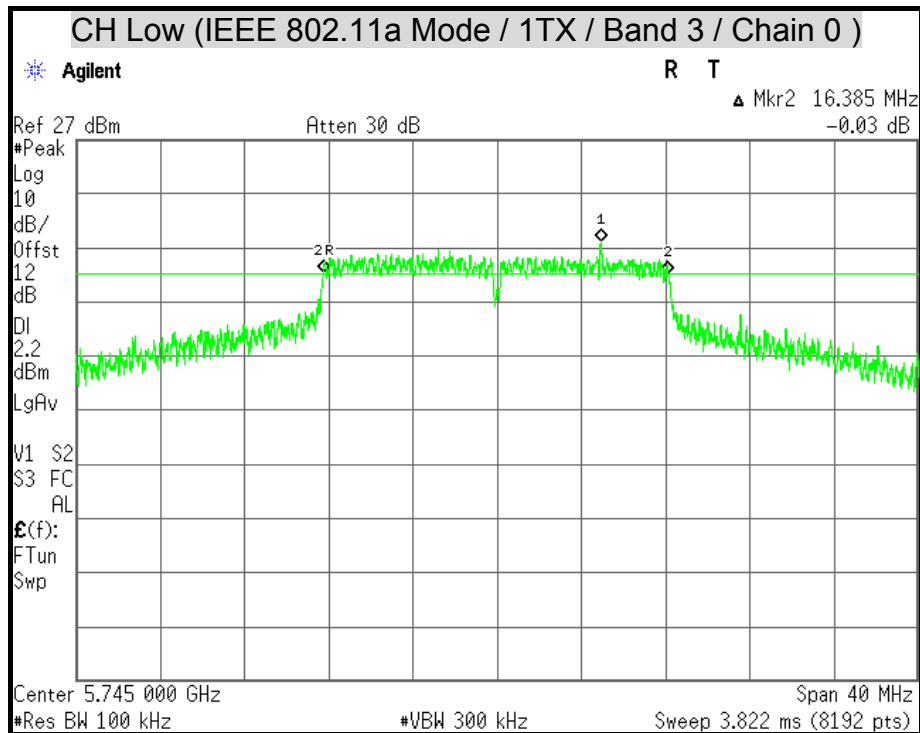
U-NII	Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	
			Chain 0	Chain 1
Band 3	Low	5745	17.580	17.580
	Middle	5785	17.550	17.610
	High	5825	17.565	17.570

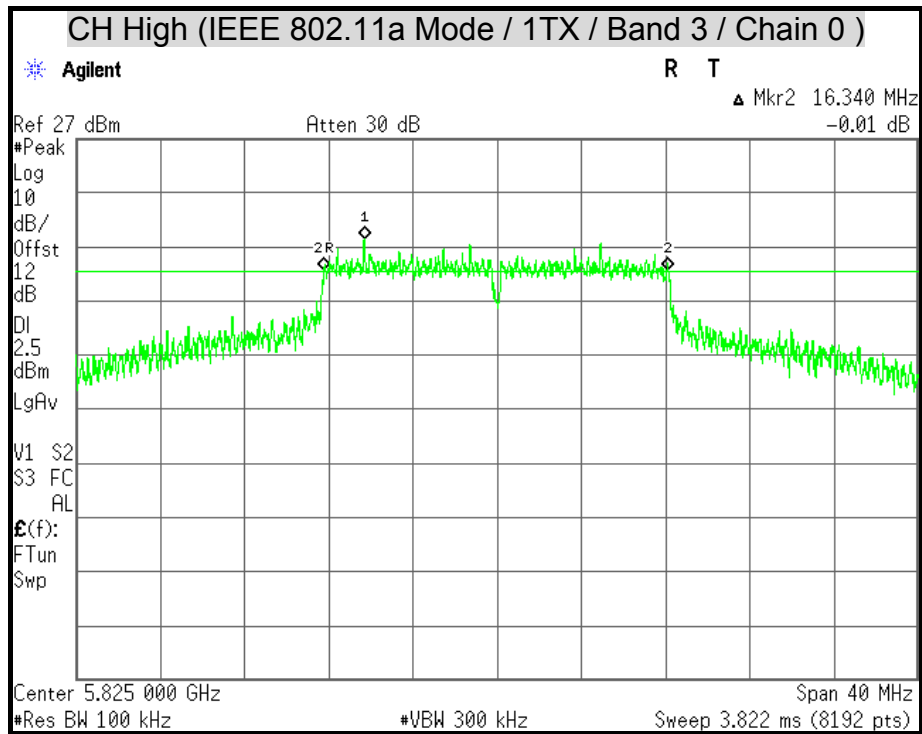
IEEE 802.11an HT40 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	
			Chain 0	Chain 1
Band 3	Low	5755	35.095	32.635
	High	5795	31.985	31.555



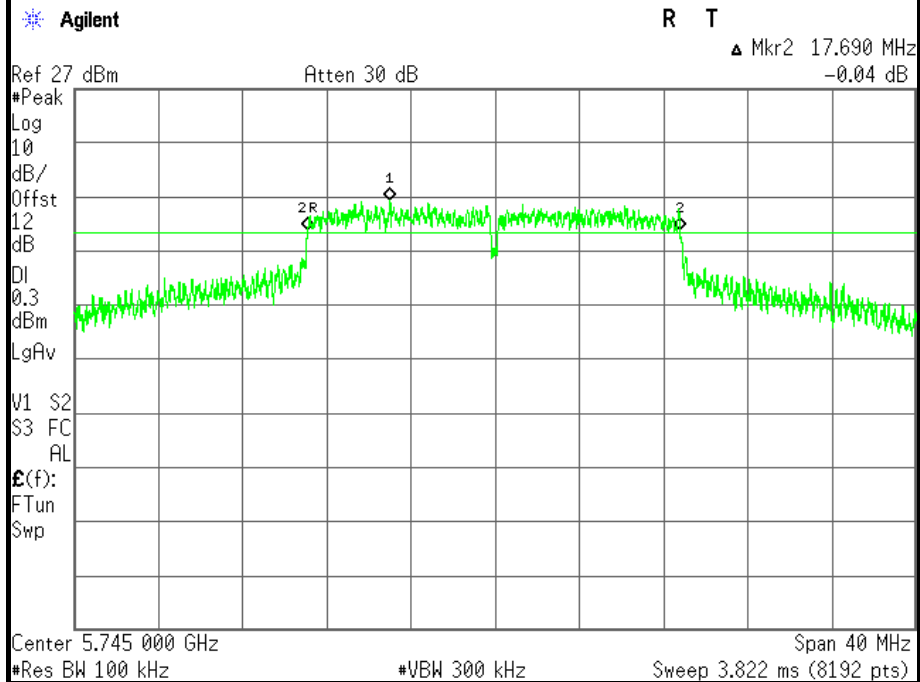
6dB BANDWIDTH



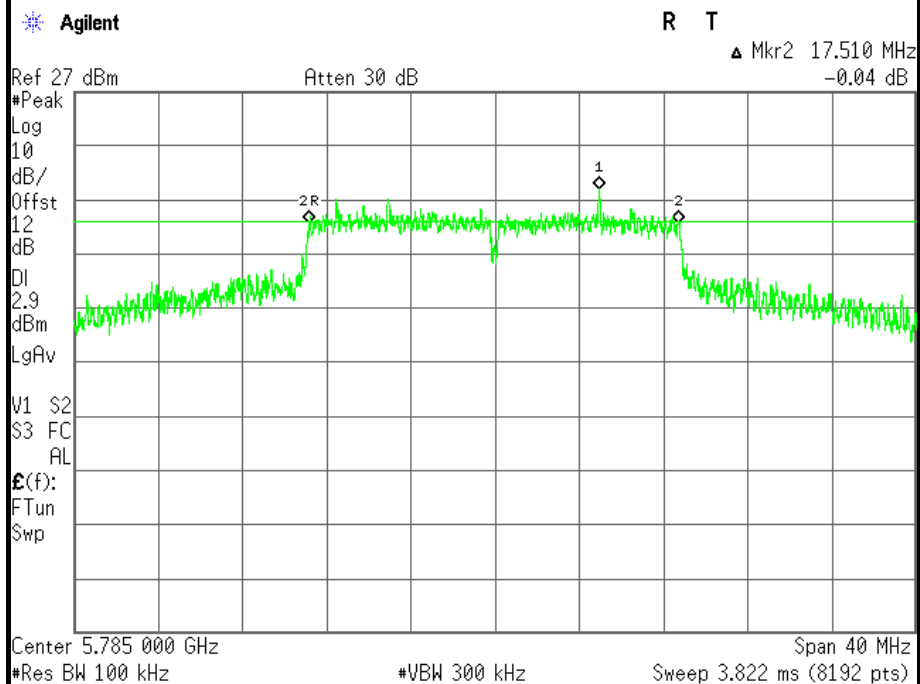


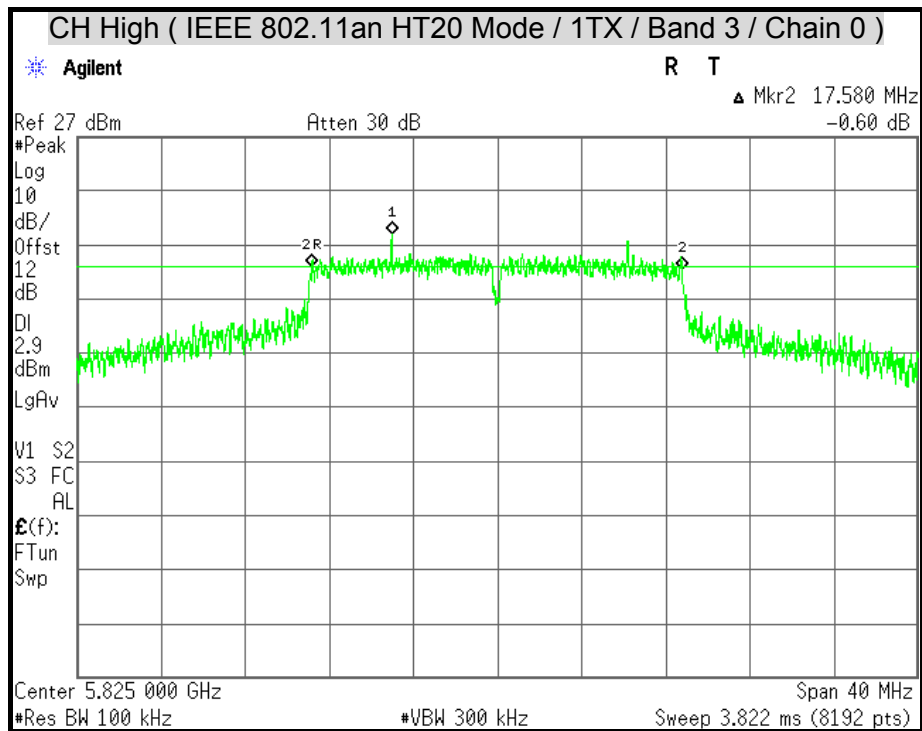


CH Low (IEEE 802.11an HT20 Mode / 1TX / Band 3 / Chain 0)



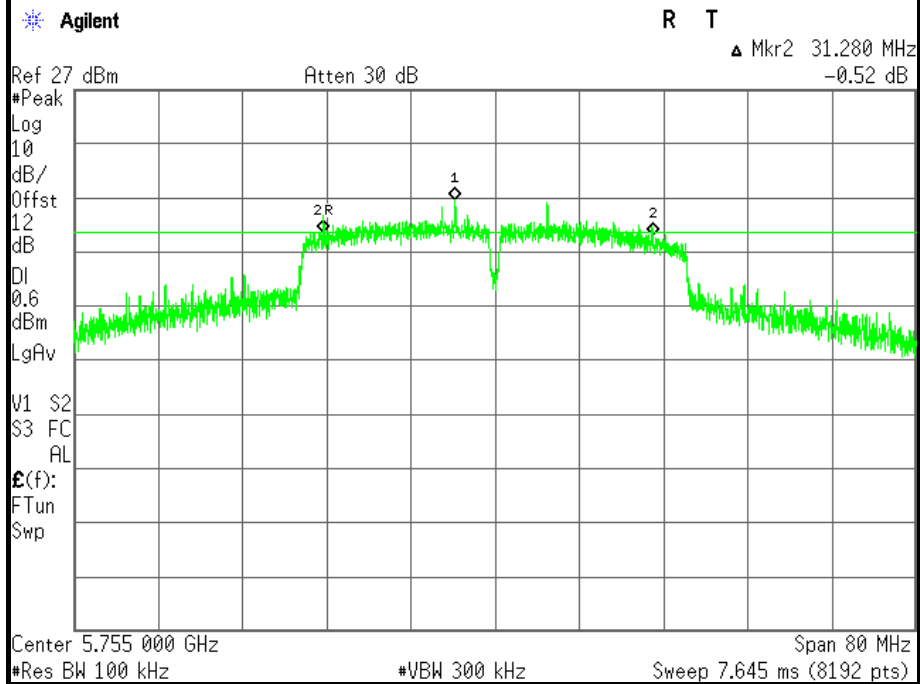
CH Middle (IEEE 802.11an HT20 Mode / 1TX / Band 3 / Chain 0)



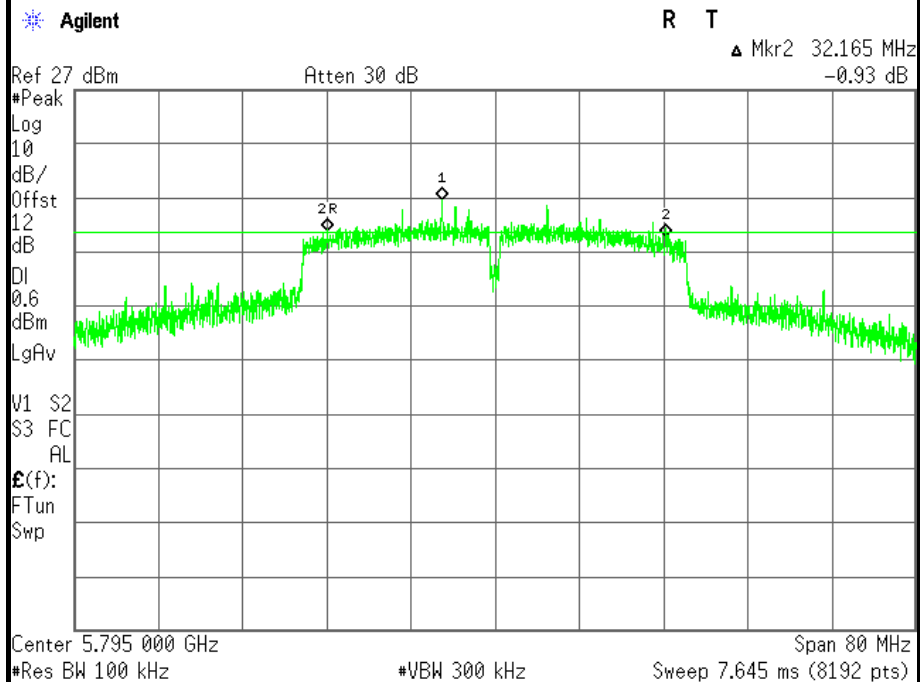


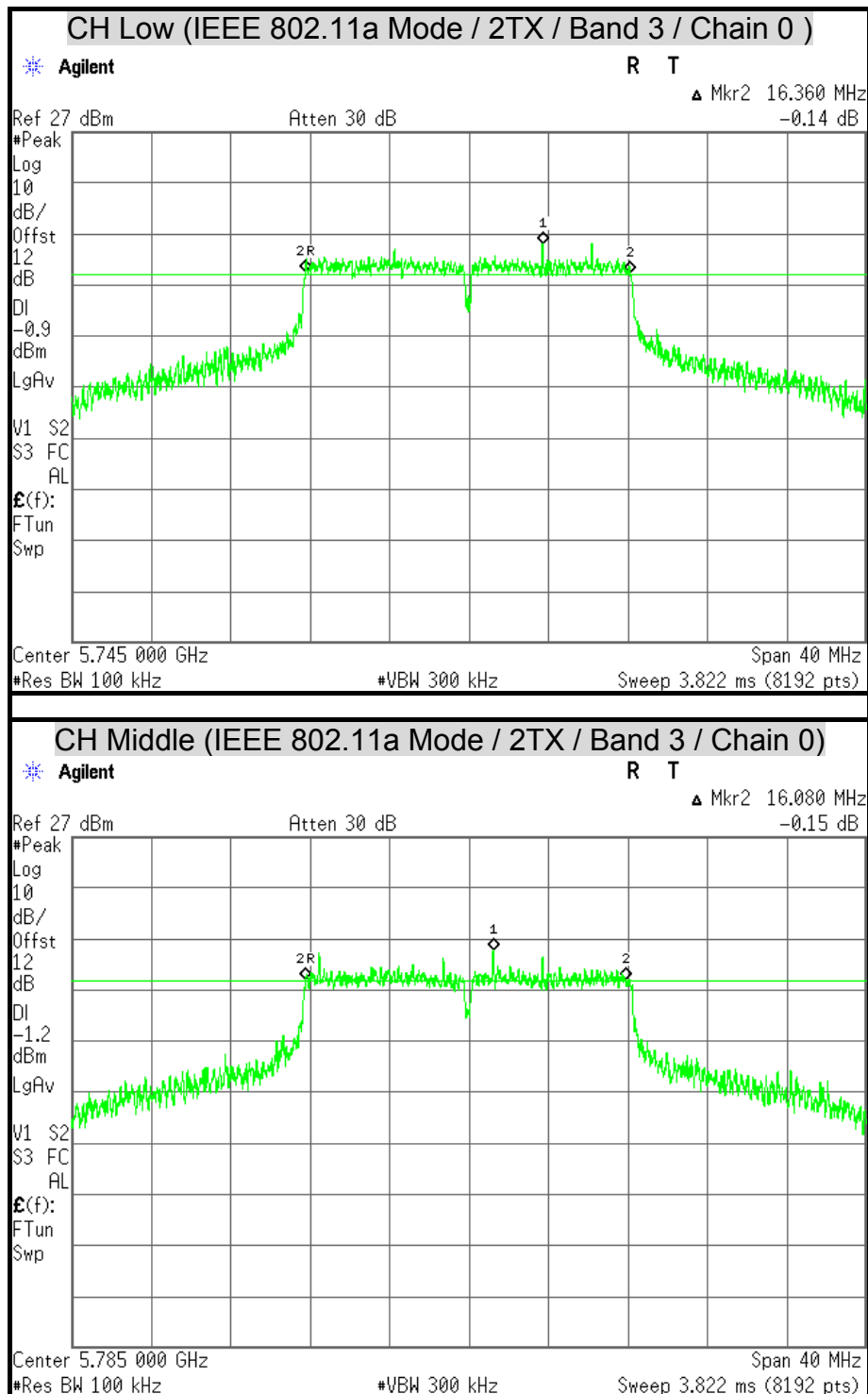


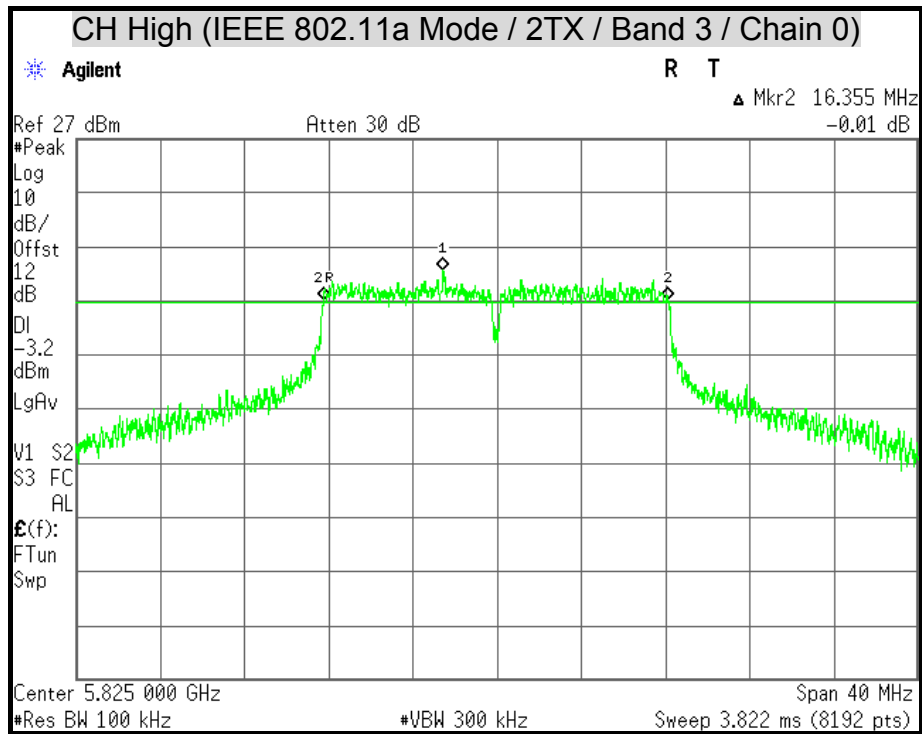
CH Low (IEEE 802.11an HT40 Mode / 1TX / Band 3 / Chain 0)

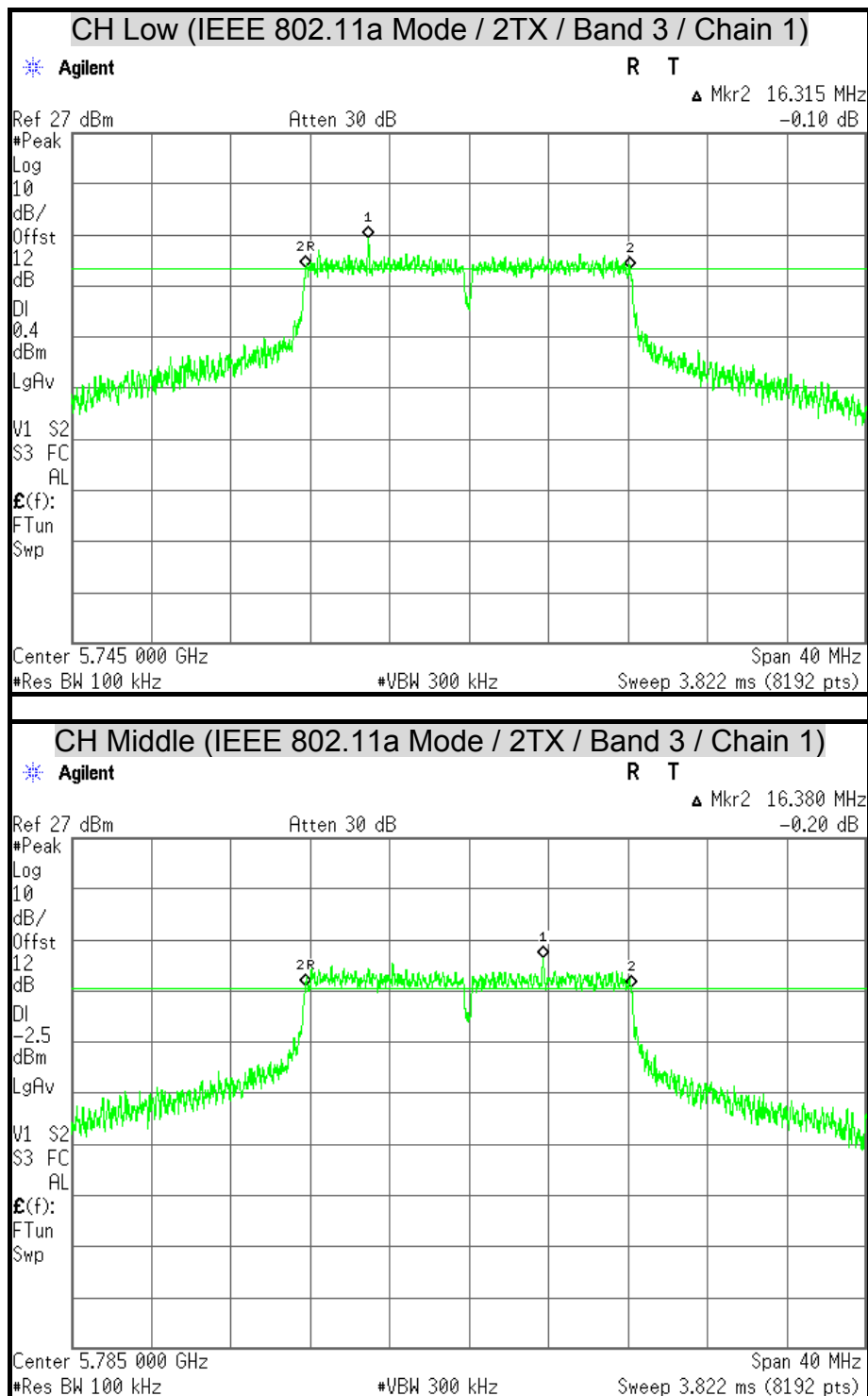


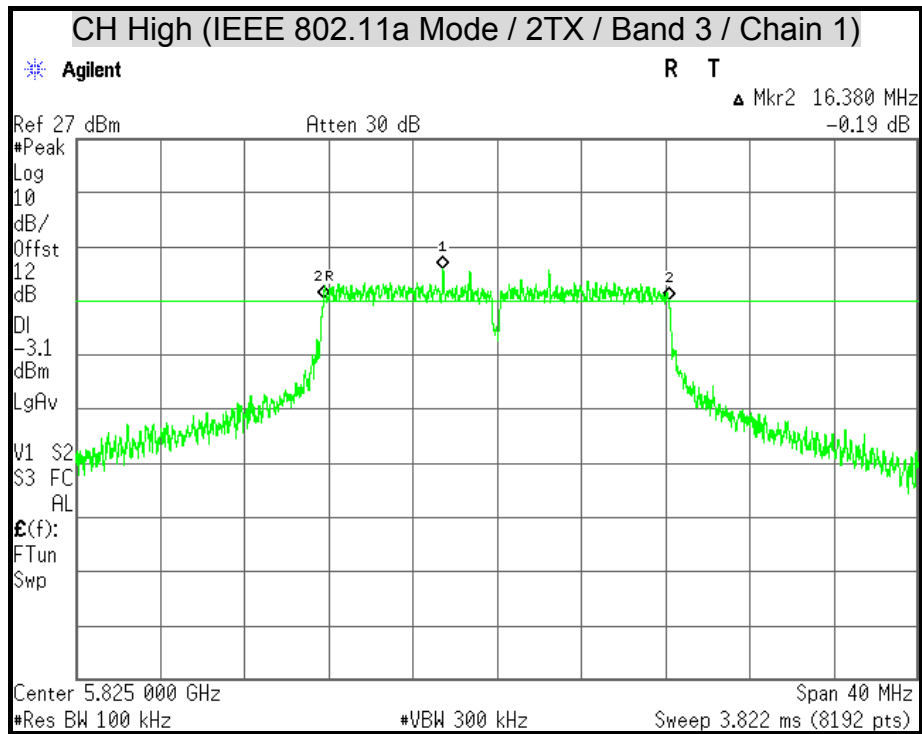
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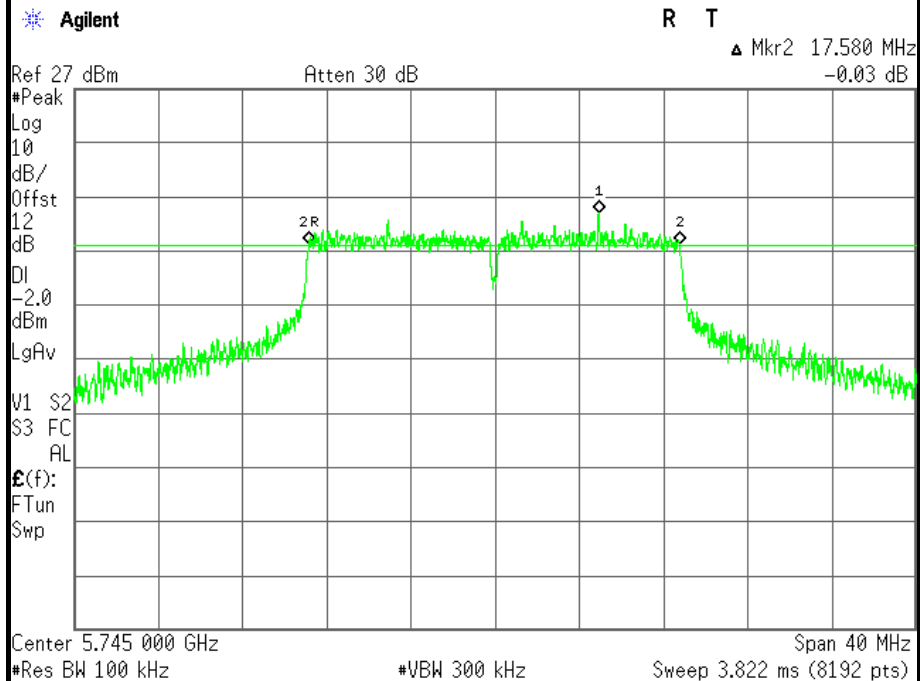




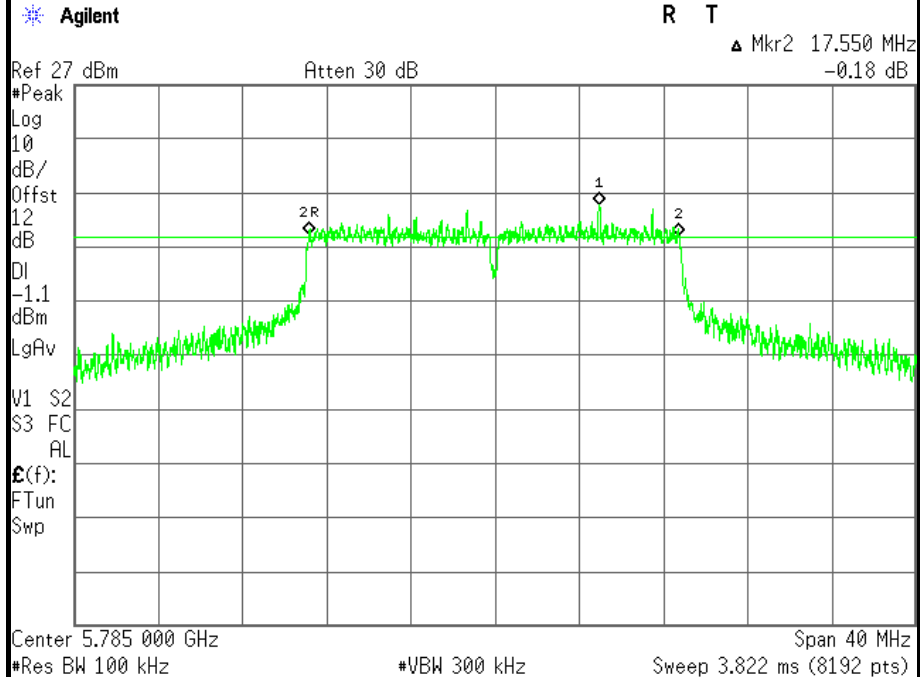


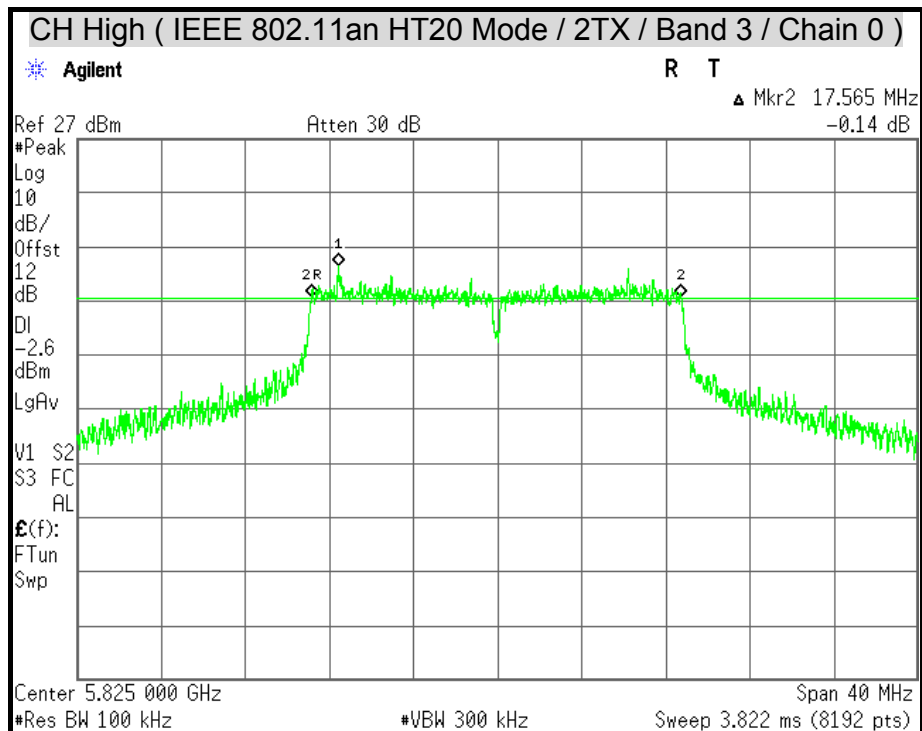


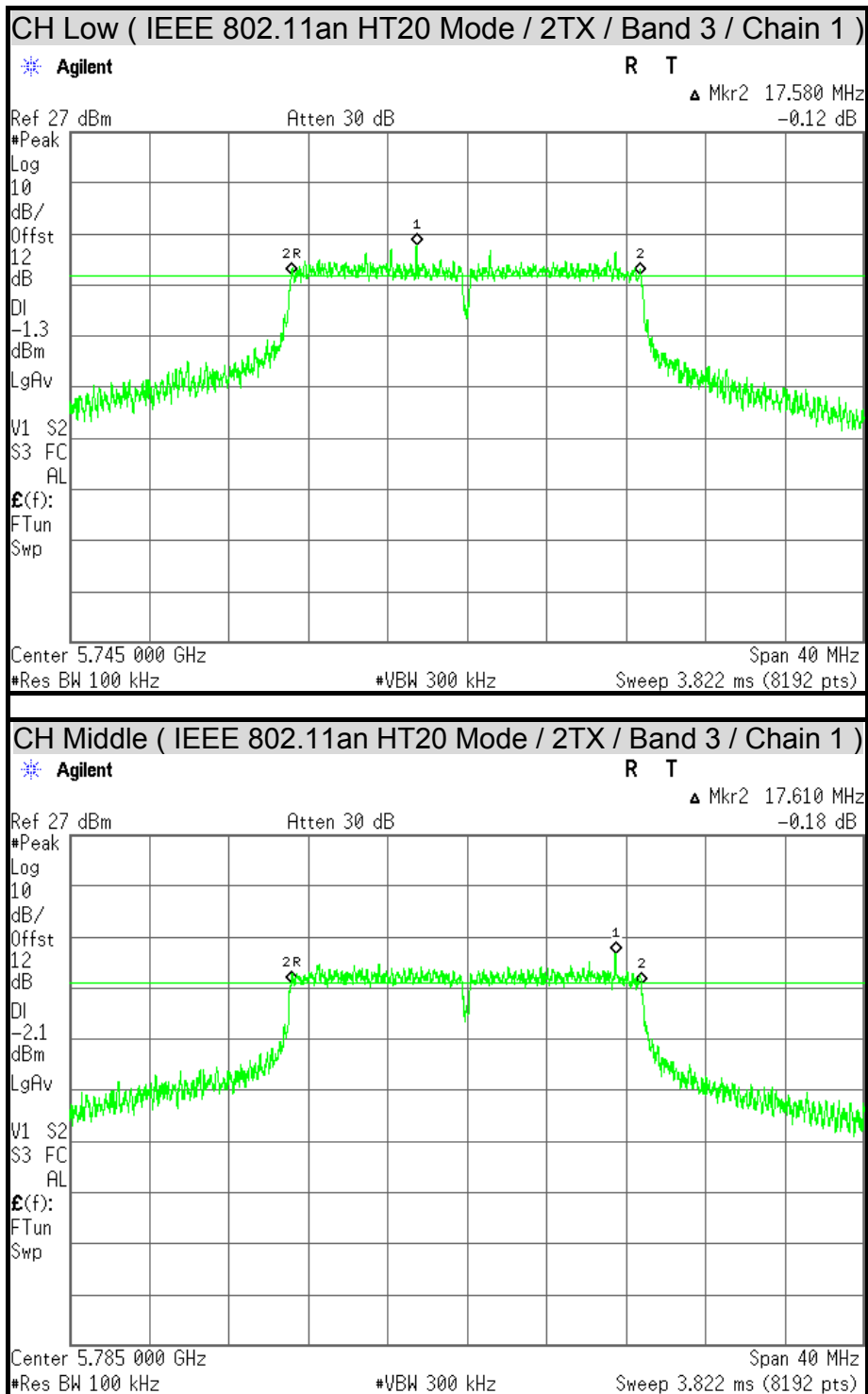
CH Low (IEEE 802.11an HT20 Mode / 2TX / Band 3 / Chain 0)

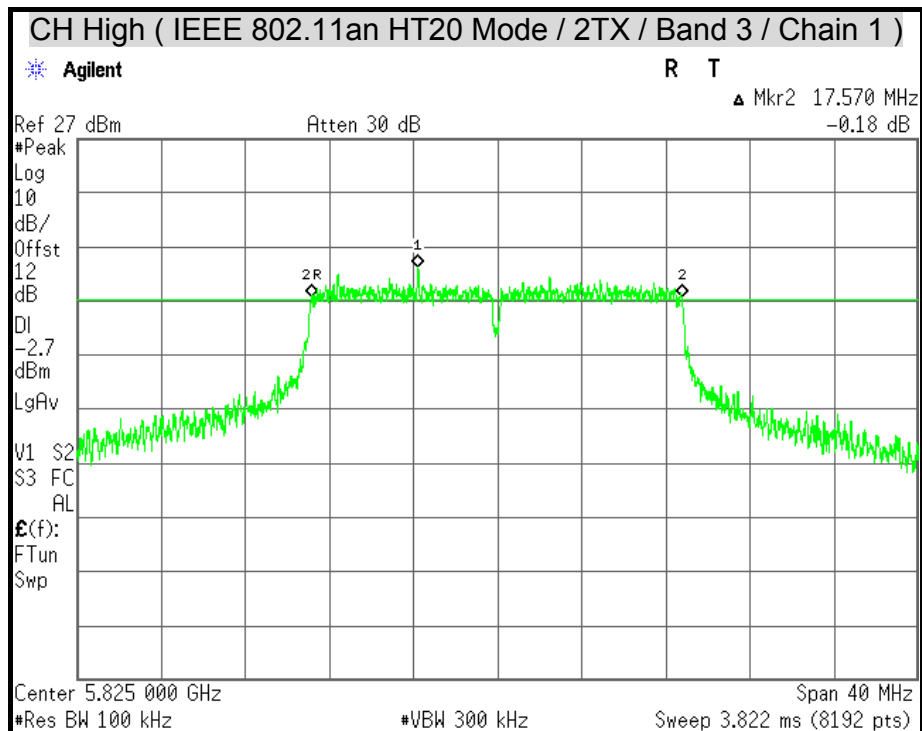


CH Middle (IEEE 802.11an HT20 Mode / 2TX / Band 3 / Chain 0)



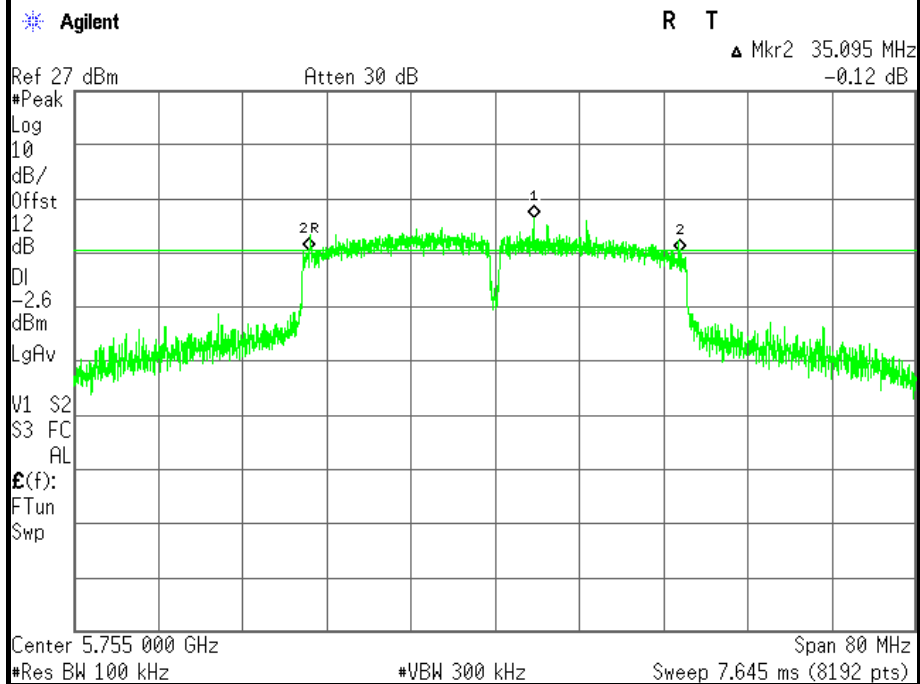




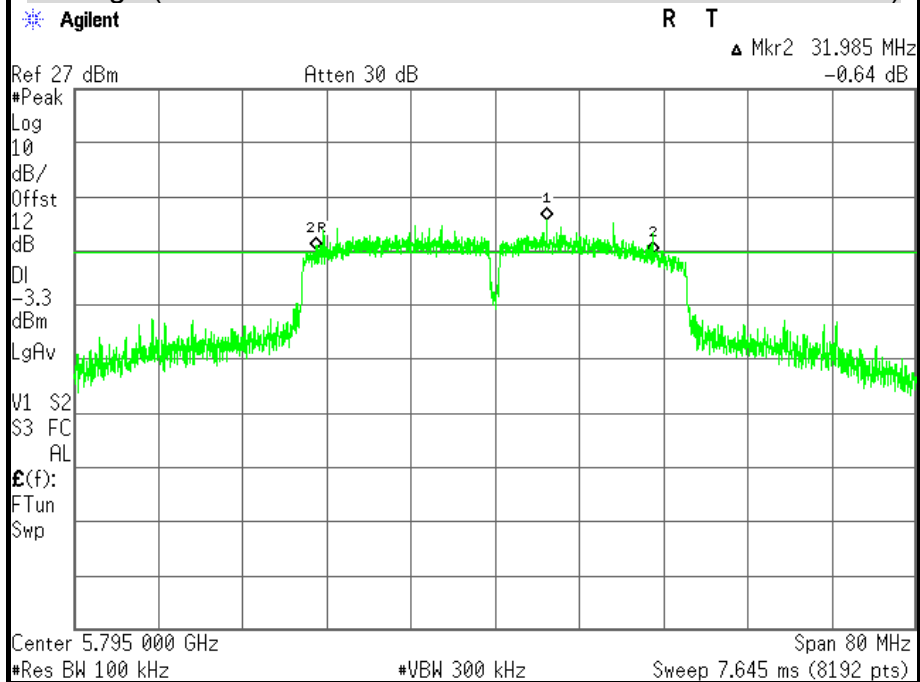




CH Low (IEEE 802.11an HT40 Mode / 2TX / Band 3 / Chain 0)

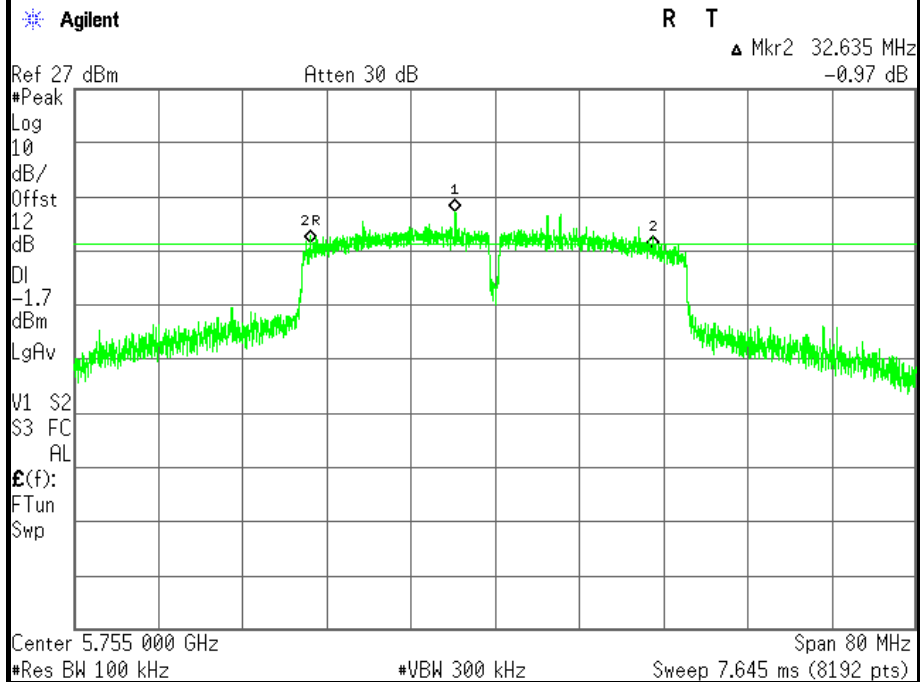


CH High (IEEE 802.11an HT40 Mode / 2TX / Band 3 / Chain 0)

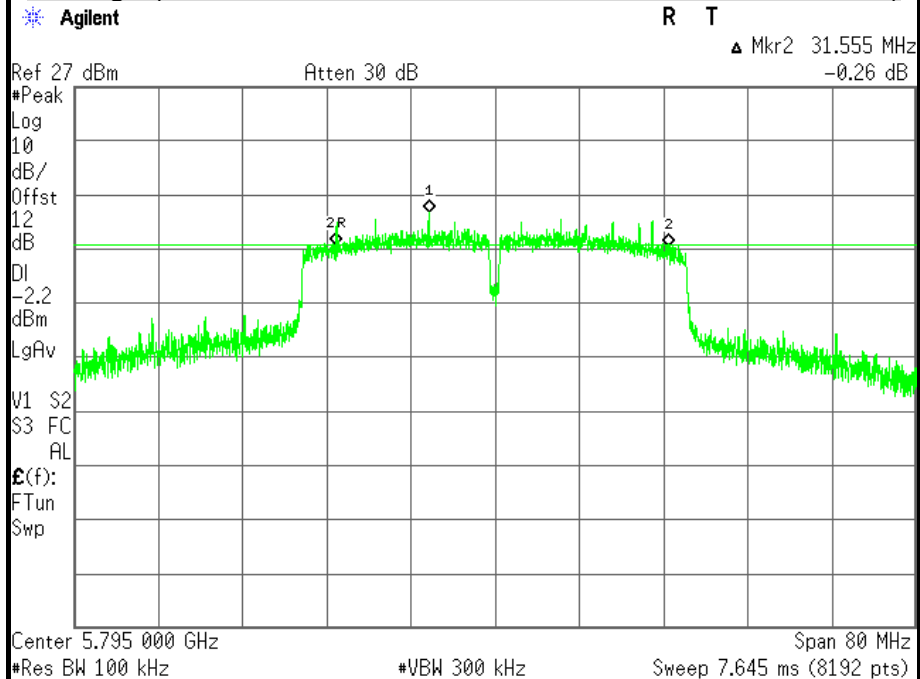




CH Low (IEEE 802.11an HT40 Mode / 2TX / Band 3 / Chain 1)



CH High (IEEE 802.11an HT40 Mode / 2TX / Band 3 / Chain 1)





7.3 MAXIMUM CONDUCTED OUTPUT POWER

LIMITS

§ 15.407(a)

(1) For the band 5.15-5.25 GHz,

(I) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(II) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(III) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.



- (IV) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

§ KDB 662911 : For power measurements on IEEE 802.11 devices

Array Gain = 0 dB (i.e., no array gain) for $N_{\text{ANT}} \leq 4$;

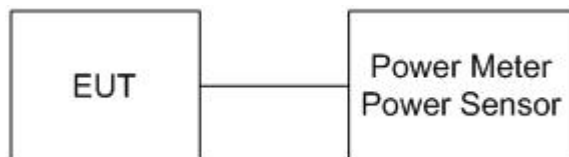
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{\text{ANT}}/N_{\text{SS}})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{\text{ANT}} \geq 5$.

**TEST EQUIPMENT**

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Power Meter	ANRITSU	ML2495A	1149001	12/11/2015
Power Sensor	ANRITSU	MA2411B	1126148	12/11/2015

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

TEST SETUP**TEST PROCEDURE**

The transmitter output is connected to the power meter. The power meter is set to the power detection.

**TEST RESULTS**

The power shall not exceeded the limit as follows:

IEEE 802.11a Mode / UNII Band 2A (1TX)

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)	10 Log B (dB)	11dBm + 10 Log B (dBm)	Maximum Conducted Output Power Limit (dBm)
		Chain 0			
Low	5260	47.39	16.75641	27.75641	24
Middle	5280	48.55	16.86180	27.86180	24
High	5320	40.73	16.09861	27.09861	24

IEEE 802.11a Mode / UNII Band 2C (1TX)

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)	10 Log B (dB)	11dBm + 10 Log B (dBm)	Maximum Conducted Output Power Limit (dBm)
		Chain 0			
Low	5500	43.45	16.37990	27.37990	24
Middle	5580	47.03	16.72338	27.72338	24
High	5700	52.95	17.23825	28.23825	24

**IEEE 802.11an HT20 Mode/ UNII Band 2A (1TX)**

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)	10 Log B (dB)	11dBm + 10 Log B (dBm)	Maximum Conducted Output Power Limit (dBm)
		Chain 0			
Low	5260	51.91	17.15209	28.15209	24
Middle	5280	49.87	16.97822	27.97822	24
High	5320	41.68	16.19907	27.19907	24

IEEE 802.11an HT20 Mode/ UNII Band 2C (1TX)

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)	10 Log B (dB)	11dBm + 10 Log B (dBm)	Maximum Conducted Output Power Limit (dBm)
		Chain 0			
Low	5500	47.01	16.72181	27.72181	24
Middle	5580	48.98	16.90037	27.90037	24
High	5700	55.66	17.45512	28.45512	24

**IEEE 802.11an HT40 Mode/ UNII Band 2A (1TX)**

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)	10 Log B (dB)	11dBm + 10 Log B (dBm)	Maximum Conducted Output Power Limit (dBm)
		Chain 0			
Low	5270	90.07	19.54595	30.54595	24
High	5310	43.73	16.40730	27.40730	24

IEEE 802.11an HT40 Mode/ UNII Band 2C (1TX)

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)	10 Log B (dB)	11dBm + 10 Log B (dBm)	Maximum Conducted Output Power Limit (dBm)
		Chain 0			
Low	5510	66.95	18.25738	29.25738	24
Middle	5550	93.88	19.72555	30.72555	24
High	5670	100.03	20.00126	31.00126	24

**IEEE 802.11a Mode / UNII Band 2A (2TX)**

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)		10 Log B (dB)		11dBm + 10 Log B (dBm)		Maximum Conducted Output Power Limit (dBm)
		Chain 0	Chain 1	Chain 0	Chain 1	Chain 0	Chain 1	
Low	5260	38.45	39.27	15.84862	15.94028	26.84862	26.94028	24
Middle	5280	42.02	40.90	16.23477	16.11734	27.23477	27.11734	24
High	5320	36.95	30.84	15.67556	14.89044	26.67556	25.89044	24

IEEE 802.11a Mode / UNII Band 2C (2TX)

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)		10 Log B (dB)		11dBm + 10 Log B (dBm)		Maximum Conducted Output Power Limit (dBm)
		Chain 0	Chain 1	Chain 0	Chain 1	Chain 0	Chain 1	
Low	5500	38.95	38.95	15.90541	15.90452	26.90541	26.90452	24
Middle	5580	37.88	37.03	15.78353	15.68507	26.78353	26.68507	24
High	5700	38.93	36.21	15.90284	15.58769	26.90284	26.58769	24

**IEEE 802.11an HT20 Mode/ UNII Band 2A (2TX)**

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)		10 Log B (dB)		11dBm + 10 Log B (dBm)		Maximum Conducted Output Power Limit (dBm)
		Chain 0	Chain 1	Chain 0	Chain 1	Chain 0	Chain 1	
Low	5260	41.09	43.21	16.13757	16.35574	27.13757	27.35574	24
Middle	5280	41.16	42.29	16.14454	16.26197	27.14454	27.26197	24
High	5320	38.19	36.09	15.81950	15.57363	26.81950	26.57363	24

IEEE 802.11an HT20 Mode/ UNII Band 2C (2TX)

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)		10 Log B (dB)		11dBm + 10 Log B (dBm)		Maximum Conducted Output Power Limit (dBm)
		Chain 0	Chain 1	Chain 0	Chain 1	Chain 0	Chain 1	
Low	5500	38.26	40.51	15.82745	16.07519	26.82745	27.07519	24
Middle	5580	41.08	38.72	16.13599	15.87913	27.13599	26.87913	24
High	5700	41.45	42.53	16.17535	16.28665	27.17535	27.28665	24

**IEEE 802.11an HT40 Mode/ UNII Band 2A (2TX)**

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)		10 Log B (dB)		11dBm + 10 Log B (dBm)		Maximum Conducted Output Power Limit (dBm)
		Chain 0	Chain 1	Chain 0	Chain 1	Chain 0	Chain 1	
Low	5270	81.62	83.54	19.11818	19.21905	30.11818	30.21905	24
High	5310	42.37	42.06	16.27038	16.23911	27.27038	27.23911	24

IEEE 802.11an HT40 Mode/ UNII Band 2C (2TX)

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)		10 Log B (dB)		11dBm + 10 Log B (dBm)		Maximum Conducted Output Power Limit (dBm)
		Chain 0	Chain 1	Chain 0	Chain 1	Chain 0	Chain 1	
Low	5510	50.09	47.24	16.99708	16.74319	27.99708	27.74319	24
Middle	5550	70.07	74.22	18.45551	18.70544	29.45551	29.70544	24
High	5670	81.27	81.97	19.09930	19.13634	30.09930	30.13634	24



IEEE 802.11a Mode / UNII Band 1 (1TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Limit		Pass / Fail
		Chain 0				
		(dBm)	(W)	(dBm)	(W)	
Low	5180	18.51	0.0710	24	0.2512	PASS
Middle	5220	20.77	0.1194	24	0.2512	PASS
High	5240	20.57	0.1140	24	0.2512	PASS

Remark:

1. At final test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

IEEE 802.11an HT20 Mode / UNII Band 1 (1TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Limit		Pass / Fail
		Chain 0				
		(dBm)	(W)	(dBm)	(W)	
Low	5180	18.21	0.0662	24	0.2512	PASS
Middle	5220	20.66	0.1164	24	0.2512	PASS
High	5240	20.35	0.1084	24	0.2512	PASS

Remark:

1. At final test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

IEEE 802.11an HT40 Mode / UNII Band 1 (1TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Limit		Pass / Fail
		Chain 0				
		(dBm)	(W)	(dBm)	(W)	
Low	5190	13.82	0.0241	24	0.2512	PASS
High	5230	20.24	0.1057	24	0.2512	PASS

Remark:

1. At final test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

**IEEE 802.11a Mode / UNII Band 2A (1TX)**

Channel	Channel Frequency (MHz)	Power (dBm)		Power Limit		Pass / Fail
		Chain 0				
		(dBm)	(W)	(dBm)	(W)	
Low	5260	20.57	0.1140	24	0.2512	PASS
Middle	5280	20.21	0.1050	24	0.2512	PASS
High	5320	15.58	0.0361	24	0.2512	PASS

Remark:

1. At final test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

IEEE 802.11an HT20 Mode / UNII Band 2A (1TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Limit		Pass / Fail
		Chain 0				
		(dBm)	(W)	(dBm)	(W)	
Low	5260	20.26	0.1062	24	0.2512	PASS
Middle	5280	20.14	0.1033	24	0.2512	PASS
High	5320	16.03	0.0401	24	0.2512	PASS

Remark:

1. At final test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

IEEE 802.11an HT40 Mode / UNII Band 2A (1TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Limit		Pass / Fail
		Chain 0				
		(dBm)	(W)	(dBm)	(W)	
Low	5270	19.23	0.0838	24	0.2512	PASS
High	5310	12.10	0.0162	24	0.2512	PASS

Remark:

1. At final test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

**IEEE 802.11a Mode / UNII Band 2C (1TX)**

Channel	Channel Frequency (MHz)	Power (dBm)		Power Limit		Pass / Fail
		Chain 0				
		(dBm)	(W)	(dBm)	(W)	
Low	5500	18.97	0.0789	24	0.2512	PASS
Middle	5580	19.36	0.0863	24	0.2512	PASS
High	5700	18.61	0.0726	24	0.2512	PASS

Remark:

1. At final test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

IEEE 802.11an HT20 Mode / UNII Band 2C (1TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Limit		Pass / Fail
		Chain 0				
		(dBm)	(W)	(dBm)	(W)	
Low	5500	18.62	0.0728	24	0.2512	PASS
Middle	5580	19.30	0.0851	24	0.2512	PASS
High	5700	18.54	0.0714	24	0.2512	PASS

Remark:

1. At final test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

IEEE 802.11an HT40 Mode / UNII Band 2C (1TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Limit		Pass / Fail
		Chain 0				
		(dBm)	(W)	(dBm)	(W)	
Low	5510	15.33	0.0341	24	0.2512	PASS
Middle	5550	19.40	0.0871	24	0.2512	PASS
High	5670	19.39	0.0869	24	0.2512	PASS

Remark:

1. At final test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

**IEEE 802.11a Mode / UNII Band 3 (1TX)**

Channel	Channel Frequency (MHz)	Power (dBm)		Power Limit		Pass / Fail
		Chain 0				
		(dBm)	(W)	(dBm)	(W)	
Low	5745	18.32	0.0679	30	1	PASS
Middle	5785	17.89	0.0615	30	1	PASS
High	5825	17.87	0.0612	30	1	PASS

Remark:

1. At final test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

IEEE 802.11an HT20 Mode / UNII Band 3 (1TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Limit		Pass / Fail
		Chain 0				
		(dBm)	(W)	(dBm)	(W)	
Low	5745	18.36	0.0685	30	1	PASS
Middle	5785	17.83	0.0607	30	1	PASS
High	5825	17.82	0.0605	30	1	PASS

Remark:

1. At final test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

IEEE 802.11an HT40 Mode / UNII Band 3 (1TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Limit		Pass / Fail
		Chain 0				
		(dBm)	(W)	(dBm)	(W)	
Low	5755	18.35	0.0684	30	1	PASS
High	5795	18.02	0.0634	30	1	PASS

Remark:

1. At final test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

**IEEE 802.11a Mode / UNII Band 1 (2TX)**

Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
		Chain 0	Chain 1	(dBm)	(W)	(dBm)	(W)	
Low	5180	15.68	14.11	17.98	0.0628	30	1	PASS
Middle	5220	17.79	15.88	19.95	0.0989	30	1	PASS
High	5240	17.74	15.68	19.84	0.0964	30	1	PASS

Remark:

1. At final test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for NANT ≤ 4, power limit do not reduce.
4. Total peak power = Chain 0 + Chain 1.

IEEE 802.11an HT20 Mode / UNII Band 1 (2TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
		Chain 0	Chain 1	(dBm)	(W)	(dBm)	(W)	
Low	5180	14.75	13.36	17.12	0.0515	30	1	PASS
Middle	5220	18.05	16.23	20.24	0.1057	30	1	PASS
High	5240	18.46	16.48	20.59	0.1146	30	1	PASS

Remark:

1. At final test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for NANT ≤ 4, power limit do not reduce.
4. Total peak power = Chain 0 + Chain 1.

IEEE 802.11an HT40 Mode / UNII Band 1 (2TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
		Chain 0	Chain 1	(dBm)	(W)	(dBm)	(W)	
Low	5190	10.91	9.44	13.25	0.0211	30	1	PASS
High	5230	19.33	17.87	21.67	0.1469	30	1	PASS

Remark:

1. At final test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for NANT ≤ 4, power limit do not reduce.
4. Total peak power = Chain 0 + Chain 1.

**IEEE 802.11a Mode / UNII Band 2A (2TX)**

Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
		Chain 0	Chain 1	(dBm)	(W)	(dBm)	(W)	
Low	5260	17.85	15.86	19.98	0.0995	24	0.25	PASS
Middle	5280	18.02	15.87	20.09	0.1021	24	0.25	PASS
High	5320	15.62	13.20	17.59	0.0574	24	0.25	PASS

Remark:

1. At final test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for NANT ≤ 4 , power limit do not reduce.
4. Total peak power = Chain 0 + Chain 1.

IEEE 802.11an HT20 Mode / UNII Band 2A (2TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
		Chain 0	Chain 1	(dBm)	(W)	(dBm)	(W)	
Low	5260	17.72	16.46	20.15	0.1035	24	0.25	PASS
Middle	5280	17.76	16.21	20.06	0.1014	24	0.25	PASS
High	5320	15.35	13.70	17.61	0.0577	24	0.25	PASS

Remark:

1. At final test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for NANT ≤ 4 , power limit do not reduce.
4. Total peak power = Chain 0 + Chain 1.

IEEE 802.11an HT40 Mode / UNII Band 2A (2TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
		Chain 0	Chain 1	(dBm)	(W)	(dBm)	(W)	
Low	5270	19.35	18.07	21.77	0.1503	24	0.25	PASS
High	5310	11.44	8.89	13.36	0.0217	24	0.25	PASS

Remark:

1. At final test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for NANT ≤ 4 , power limit do not reduce.
4. Total peak power = Chain 0 + Chain 1.

**IEEE 802.11a Mode / UNII Band 2C (2TX)**

Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
		Chain 0	Chain 1	(dBm)	(W)	(dBm)	(W)	
Low	5500	17.20	16.53	19.89	0.0975	24	0.25	PASS
Middle	5580	16.72	15.46	19.15	0.0822	24	0.25	PASS
High	5700	16.20	15.50	18.87	0.0771	24	0.25	PASS

Remark:

1. At final test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for NANT ≤ 4, power limit do not reduce.
4. Total peak power = Chain 0 + Chain 1.

IEEE 802.11an HT20 Mode / UNII Band 2C (2TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
		Chain 0	Chain 1	(dBm)	(W)	(dBm)	(W)	
Low	5500	16.89	16.51	19.71	0.0935	24	0.25	PASS
Middle	5580	16.55	16.27	19.42	0.0875	24	0.25	PASS
High	5700	15.47	15.55	18.52	0.0711	24	0.25	PASS

Remark:

1. At final test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for NANT ≤ 4, power limit do not reduce.
4. Total peak power = Chain 0 + Chain 1.

IEEE 802.11an HT40 Mode / UNII Band 2C (2TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
		Chain 0	Chain 1	(dBm)	(W)	(dBm)	(W)	
Low	5510	15.35	14.05	17.76	0.0597	24	0.25	PASS
Middle	5550	17.50	17.08	20.31	0.1074	24	0.25	PASS
High	5670	18.03	17.55	20.81	0.1205	24	0.25	PASS

Remark:

1. At final test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for NANT ≤ 4, power limit do not reduce.
4. Total peak power = Chain 0 + Chain 1.

**IEEE 802.11a Mode / UNII Band 3 (2TX)**

Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
		Chain 0	Chain 1	(dBm)	(W)	(dBm)	(W)	
Low	5745	16.12	16.41	19.28	0.0847	30	1	PASS
Middle	5785	15.06	14.85	17.97	0.0627	30	1	PASS
High	5825	13.94	13.77	16.87	0.0486	30	1	PASS

Remark:

1. At final test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for NANT ≤ 4, power limit do not reduce.
4. Total peak power = Chain 0 + Chain 1.

IEEE 802.11an HT20 Mode / UNII Band 3 (2TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
		Chain 0	Chain 1	(dBm)	(W)	(dBm)	(W)	
Low	5745	14.28	15.38	17.88	0.0614	30	1	PASS
Middle	5785	14.42	15.34	17.91	0.0618	30	1	PASS
High	5825	13.27	14.20	16.77	0.0475	30	1	PASS

Remark:

1. At final test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for NANT ≤ 4, power limit do not reduce.
4. Total peak power = Chain 0 + Chain 1.

IEEE 802.11an HT40 Mode / UNII Band 3 (2TX)

Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
		Chain 0	Chain 1	(dBm)	(W)	(dBm)	(W)	
Low	5755	17.11	17.79	20.47	0.1114	30	1	PASS
High	5795	16.36	16.84	19.62	0.0916	30	1	PASS

Remark:

1. At final test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 12dB (including 10 dB pad and 2dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for NANT ≤ 4, power limit do not reduce.
4. Total peak power = Chain 0 + Chain 1.



7.4 PEAK POWER SPECTRAL DENSITY

LIMITS

§ 15.407 (a)

(1) For the band 5.15-5.25 GHz

(I) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(II) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(IV) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.



- (2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm $10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

TEST EQUIPMENT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	MY43360132	06/10/2015

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

TEST SETUP



TEST PROCEDURE

1. Place the EUT on the table and set it in transmitting mode.
Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
2. Set the spectrum analyzer as RBW = 1MHz, VBW = 3MHz, Span = Sweep= AUTO
3. Record the max. reading.
4. Repeat the above procedure until the measurements for all frequencies are completed.

**TEST RESULTS****IEEE 802.11a Mode (1TX)**

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)	Minimum Limit (dBm/MHz)	Pass / Fail
			Chain 0		
Band 1	Low	5180	7.63	11	PASS
	Middle	5220	9.81	11	PASS
	High	5240	10.20	11	PASS
Band 2A	Low	5260	10.35	11	PASS
	Middle	5280	10.22	11	PASS
	High	5320	5.98	11	PASS
Band 2C	Low	5500	8.60	11	PASS
	Middle	5580	9.30	11	PASS
	High	5700	9.15	11	PASS

Remark:

1. At final test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 12 dB (including 10 dB pad and 2 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.

**IEEE 802.11an HT20 Mode (1TX)**

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)	Minimum Limit (dBm/MHz)	Pass / Fail
			Chain 0		
Band 1	Low	5180	7.51	11	PASS
	Middle	5220	10.17	11	PASS
	High	5240	9.91	11	PASS
Band 2A	Low	5260	9.95	11	PASS
	Middle	5280	9.96	11	PASS
	High	5320	6.06	11	PASS
Band 2C	Low	5500	8.04	11	PASS
	Middle	5580	9.00	11	PASS
	High	5700	8.85	11	PASS

Remark:

1. At final test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 12 dB (including 10 dB pad and 2 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.

**IEEE 802.11n HT40 Mode (1TX)**

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)	Minimum Limit (dBm/MHz)	Pass / Fail
			Chain 0		
Band 1	Low	5190	0.90	11	PASS
	High	5230	7.32	11	PASS
Band 2A	Low	5270	6.94	11	PASS
	High	5310	-0.46	11	PASS
Band 2C	Low	5510	2.54	11	PASS
	Middle	5550	6.21	11	PASS
	High	5670	6.64	11	PASS

Remark:

1. At final test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 12 dB (including 10 dB pad and 2 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.

**IEEE 802.11a Mode (1TX)**

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)	Minimum Limit (dBm/500kHz)	Pass / Fail
			Chain 0		
Band 3	Low	5745	5.28	30	PASS
	Middle	5785	4.50	30	PASS
	High	5825	4.71	30	PASS

Remark:

1. At final test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 12 dB (including 10 dB pad and 2 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.

IEEE 802.11an HT20 Mode (1TX)

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)	Minimum Limit (dBm/500kHz)	Pass / Fail
			Chain 0		
Band 3	Low	5745	4.85	30	PASS
	Middle	5785	4.27	30	PASS
	High	5825	4.41	30	PASS

Remark:

1. At final test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 12 dB (including 10 dB pad and 2 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.

IEEE 802.11an HT40 Mode (1TX)

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)	Minimum Limit (dBm/500kHz)	Pass / Fail
			Chain 0		
Band 3	Low	5755	2.31	30	PASS
	High	5795	1.81	30	PASS

Remark:

1. At final test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 12 dB (including 10 dB pad and 2 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.

**IEEE 802.11a Mode (2TX)**

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)		PSD Total (dBm)	Minimum Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
Band 1	Low	5180	4.90	5.51	8.23	9.97	PASS
	Middle	5220	6.97	5.80	9.43	9.97	PASS
	High	5240	6.76	5.59	9.22	9.97	PASS
Band 2A	Low	5260	7.26	5.88	9.63	9.97	PASS
	Middle	5280	7.04	5.33	9.28	9.97	PASS
	High	5320	5.02	2.48	6.94	9.97	PASS
Band 2C	Low	5500	6.58	5.96	9.29	9.97	PASS
	Middle	5580	6.15	5.47	8.83	9.97	PASS
	High	5700	4.91	4.73	7.83	9.97	PASS

Remark:

1. At final test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 12 dB (including 10 dB pad and 2 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.
3. The maximum antenna gain for the MIMO mode is 7.03 dBi which is more than 6dBi, the limit should be 9.97dBm.
4. Total power spectral density = Chain 0 + Chain 1.

**IEEE 802.11an HT20 Mode (2TX)**

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)		PSD Total (dBm)	Minimum Limit (dBm)	Pass / Fail
			Chain 0	Chain 1			
Band 1	Low	5180	3.80	4.52	7.19	9.97	PASS
	Middle	5220	6.74	5.73	9.27	9.97	PASS
	High	5240	6.46	6.41	9.45	9.97	PASS
Band 2A	Low	5260	6.49	5.66	9.11	9.97	PASS
	Middle	5280	7.03	5.32	9.27	9.97	PASS
	High	5320	5.01	2.37	6.90	9.97	PASS
Band 2C	Low	5500	6.26	5.64	8.97	9.97	PASS
	Middle	5580	6.21	5.48	8.87	9.97	PASS
	High	5700	4.76	4.75	7.77	9.97	PASS

Remark:

1. At final test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 12 dB (including 10 dB pad and 2 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.
3. The maximum antenna gain for the MIMO mode is 7.03 dBi which is more than 6dBi, the limit should be 9.97 dBm.
4. Total power spectral density = Chain 0 + Chain 1.



IEEE 802.11n HT40 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)		PSD Total (dBm)	Minimum Limit (dBm)	Pass / Fail
			Chain 0	Chain 1			
Band 1	Low	5190	-2.36	-2.91	0.38	9.97	PASS
	High	5230	6.02	4.60	8.38	9.97	PASS
Band 2A	Low	5270	6.05	4.50	8.35	9.97	PASS
	High	5310	-2.55	-4.91	-0.56	9.97	PASS
Band 2C	Low	5510	1.94	0.68	4.37	9.97	PASS
	Middle	5550	2.30	3.84	6.15	9.97	PASS
	High	5670	2.16	4.98	6.81	9.97	PASS

Remark:

1. At final test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 12 dB (including 10 dB pad and 2 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.
3. The maximum antenna gain for the MIMO mode is 7.03 dBi which is more than 6dBi, the limit should be 9.97 dBm.
4. Total power spectral density = Chain 0 + Chain 1.



IEEE 802.11a Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)		PSD Total (dBm)	Minimum Limit (dBm/500kHz)	Pass / Fail
			Chain 0	Chain 1			
Band 3	Low	5745	2.62	2.84	5.74	28.97	PASS
	Middle	5785	0.95	1.21	4.09	28.97	PASS
	High	5825	0.10	0.52	3.33	28.97	PASS

Remark:

1. At final test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 12 dB (including 10 dB pad and 2 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.
3. The maximum antenna gain for the MIMO mode is 7.03 dBi which is more than 6dBi, the limit should be 28.97 dBm.
4. Total power spectral density = Chain 0 + Chain 1.

IEEE 802.11an HT20 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)		PSD Total (dBm)	Minimum Limit (dBm/500kHz)	Pass / Fail
			Chain 0	Chain 1			
Band 3	Low	5745	-0.02	1.62	3.89	28.97	PASS
	Middle	5785	0.00	1.30	3.71	28.97	PASS
	High	5825	1.02	0.60	3.83	28.97	PASS

Remark:

1. At final test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 12 dB (including 10 dB pad and 2 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.
3. The maximum antenna gain for the MIMO mode is 7.03 dBi which is more than 6dBi, the limit should be 28.97 dBm.
4. Total power spectral density = Chain 0 + Chain 1.

IEEE 802.11an HT40 Mode (2TX)

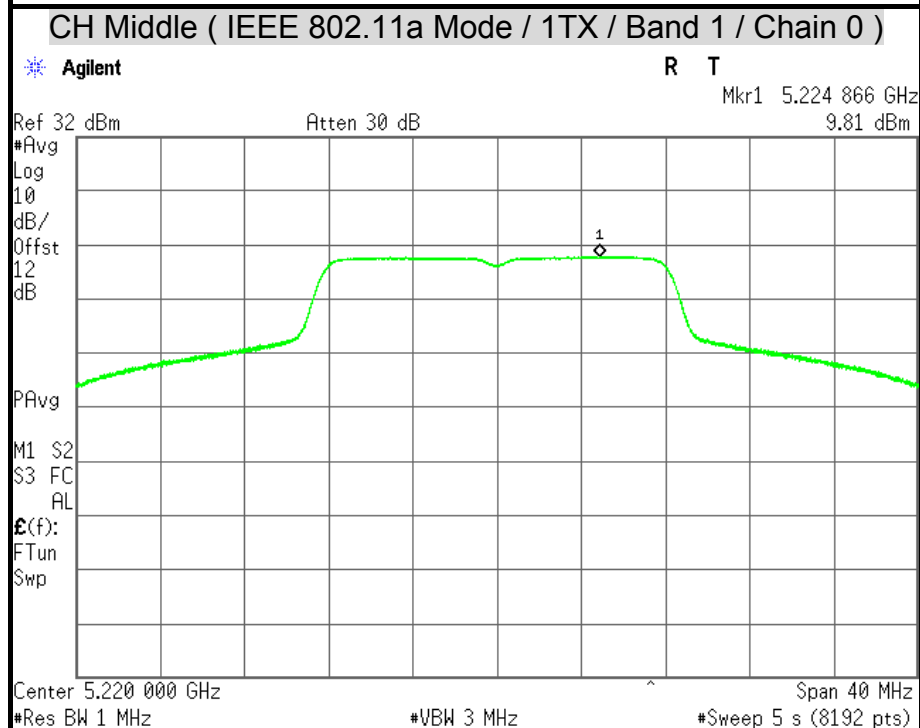
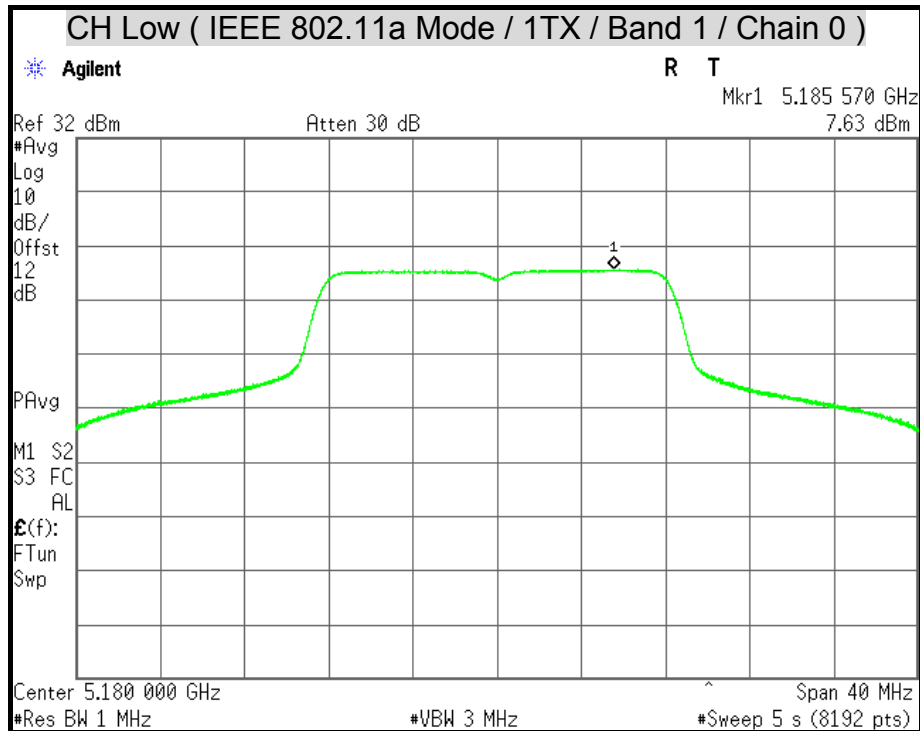
U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)		PSD Total (dBm)	Minimum Limit (dBm/500kHz)	Pass / Fail
			Chain 0	Chain 1			
Band 3	Low	5755	0.22	1.57	3.96	28.97	PASS
	High	5795	-0.01	0.43	3.23	28.97	PASS

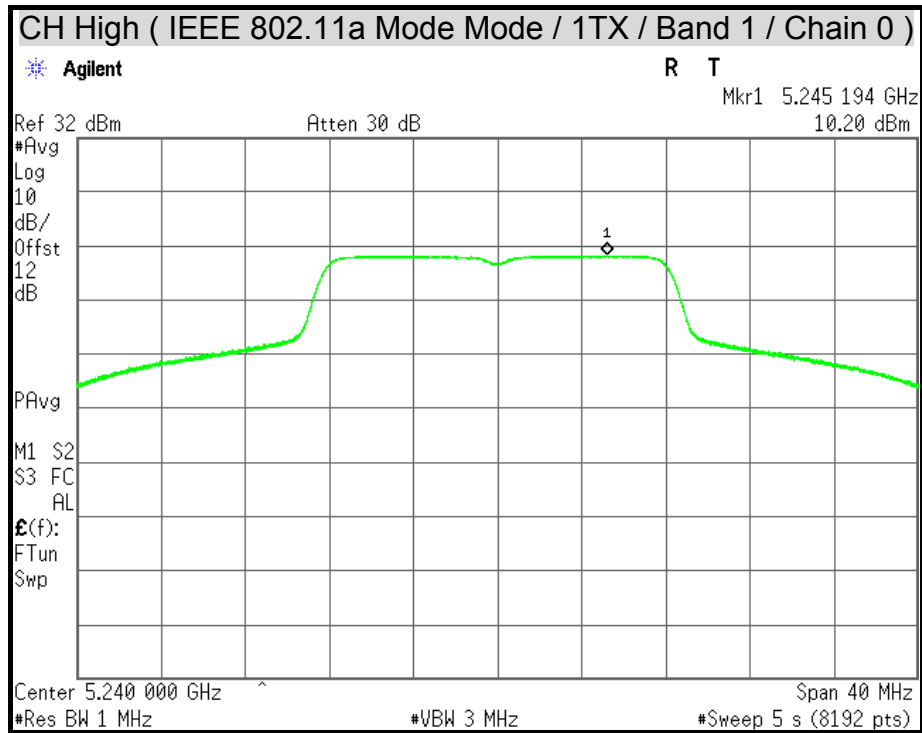
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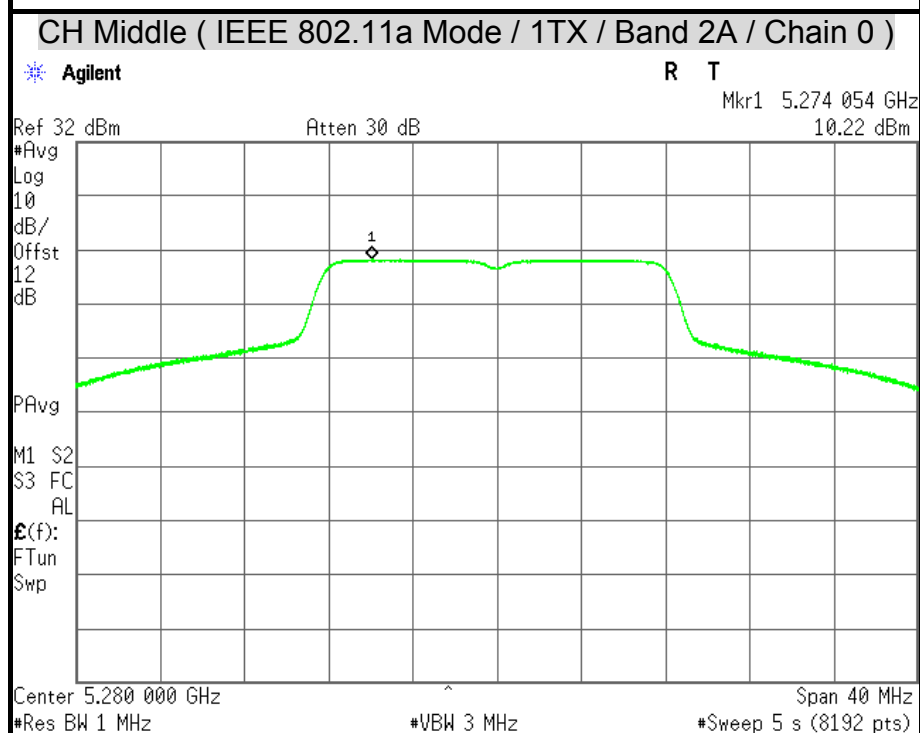
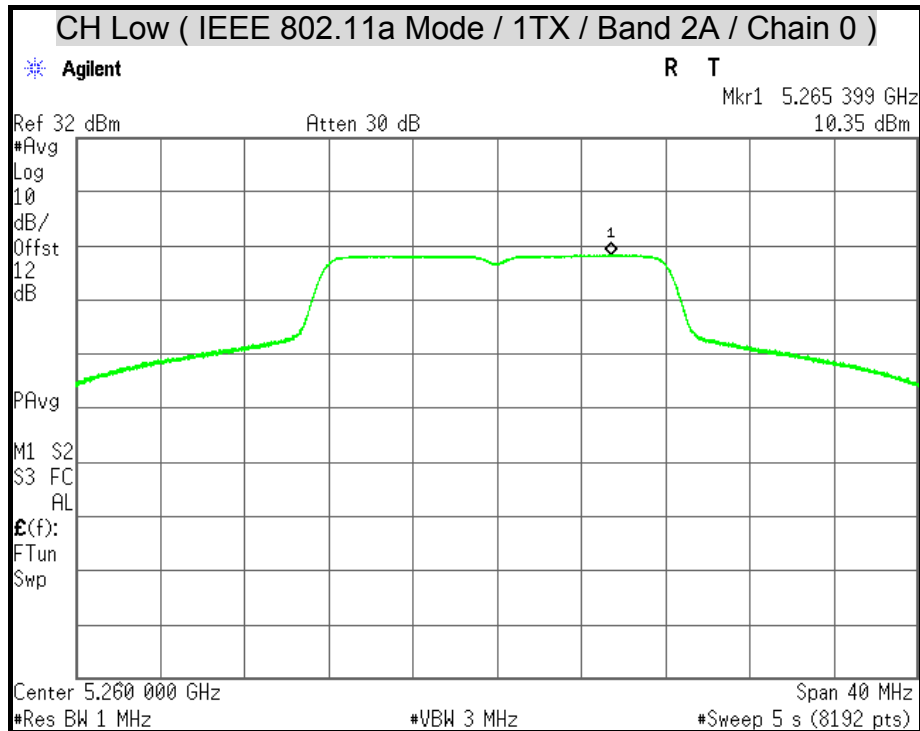
1. At final test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 12 dB (including 10 dB pad and 2 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.
3. The maximum antenna gain for the MIMO mode is 7.03 dBi which is more than 6dBi, the limit should be 28.97 dBm.
4. Total power spectral density = Chain 0 + Chain 1.

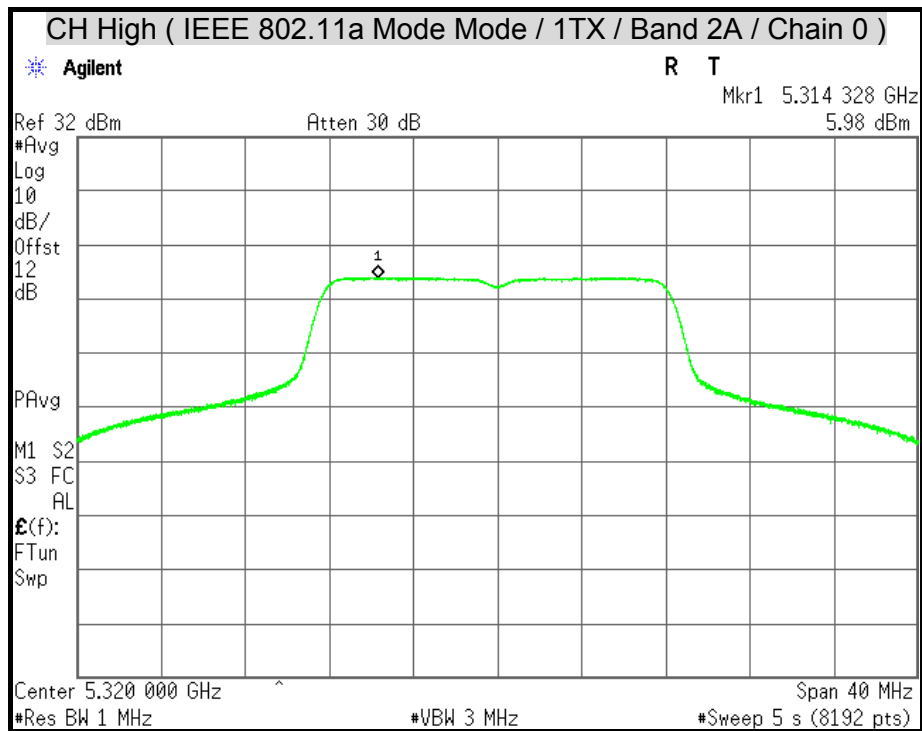


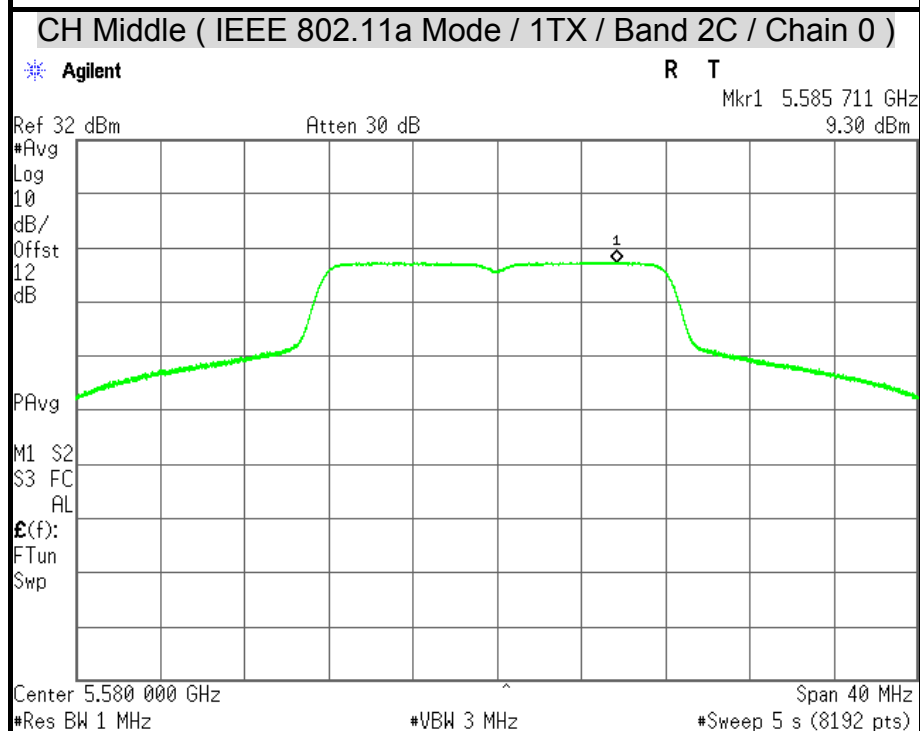
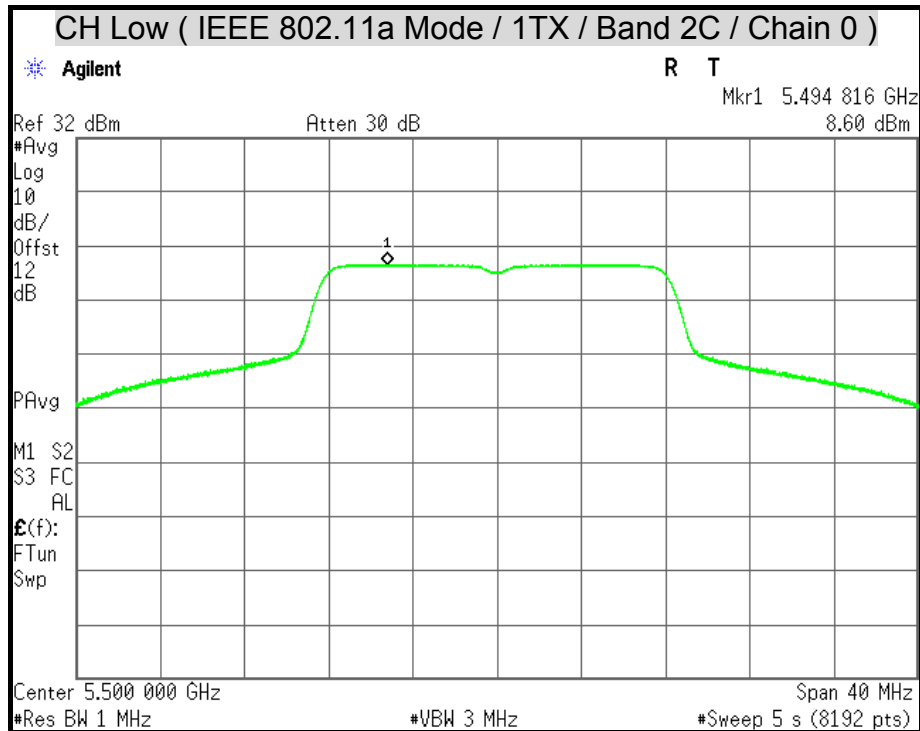
POWER SPECTRAL DENSITY

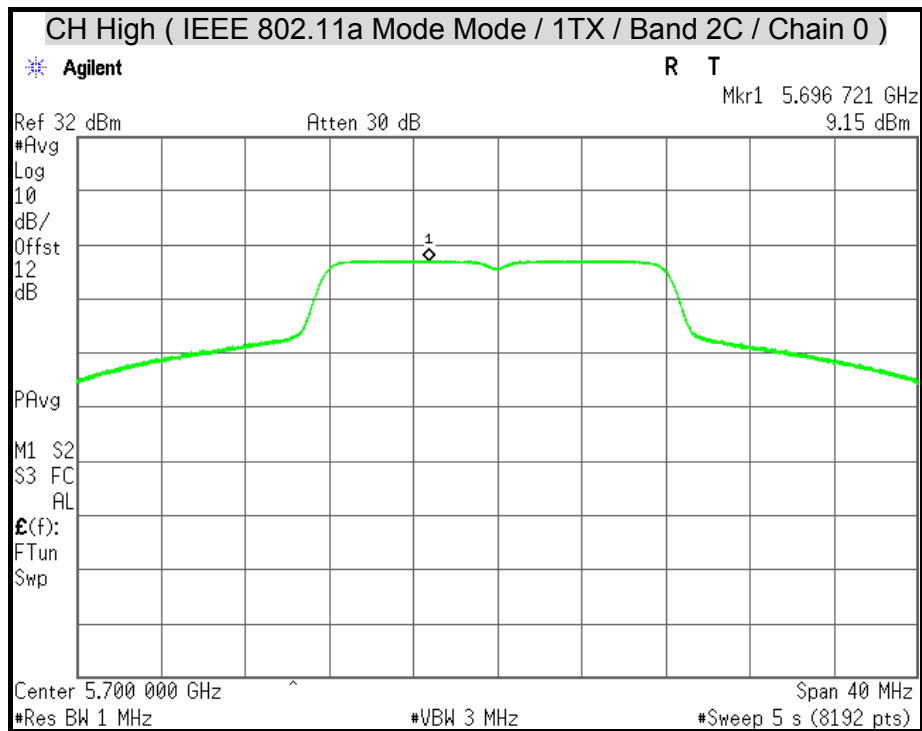


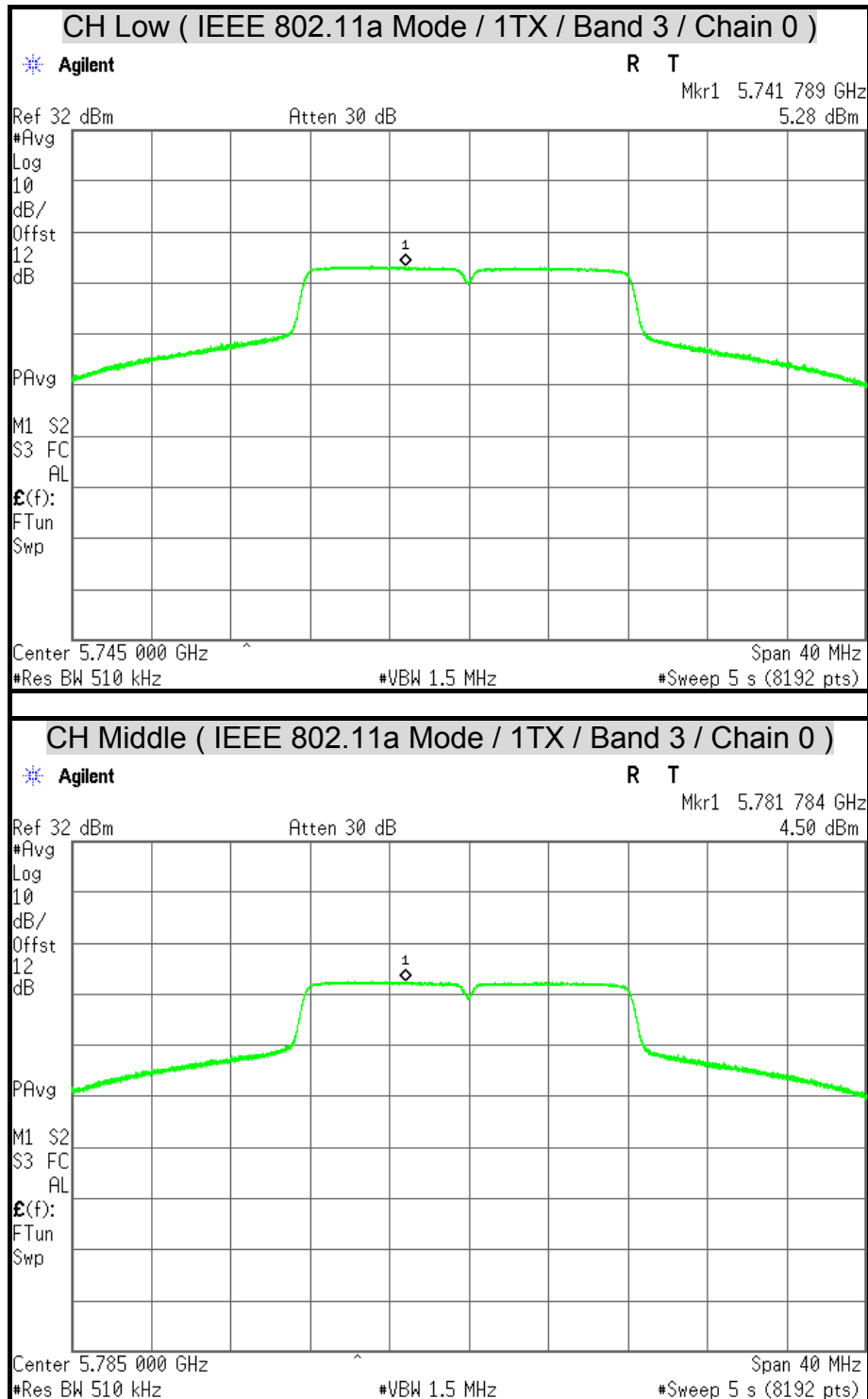


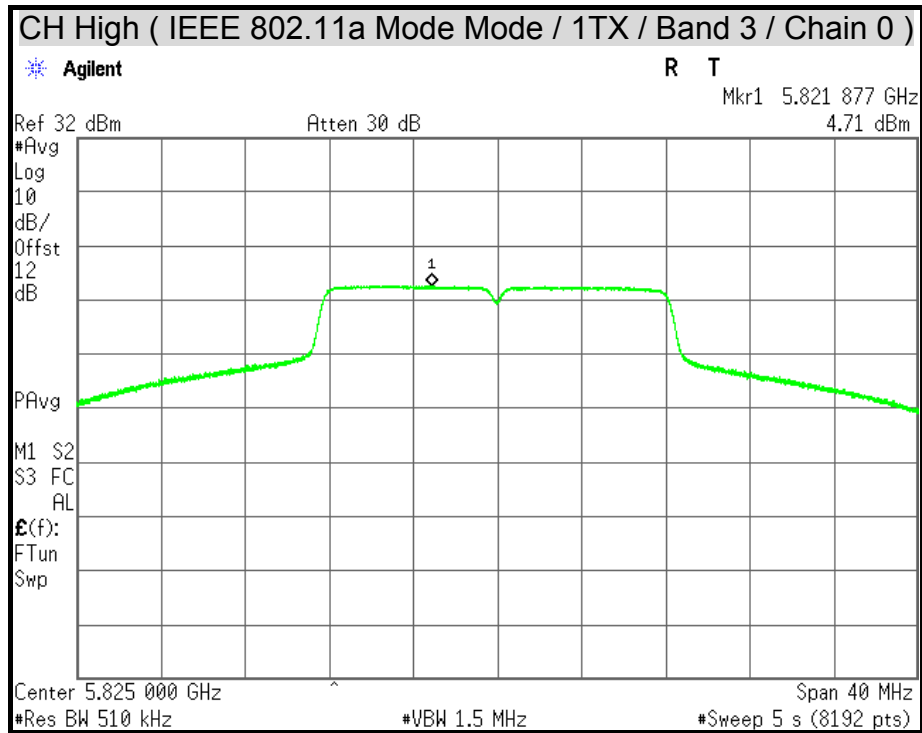






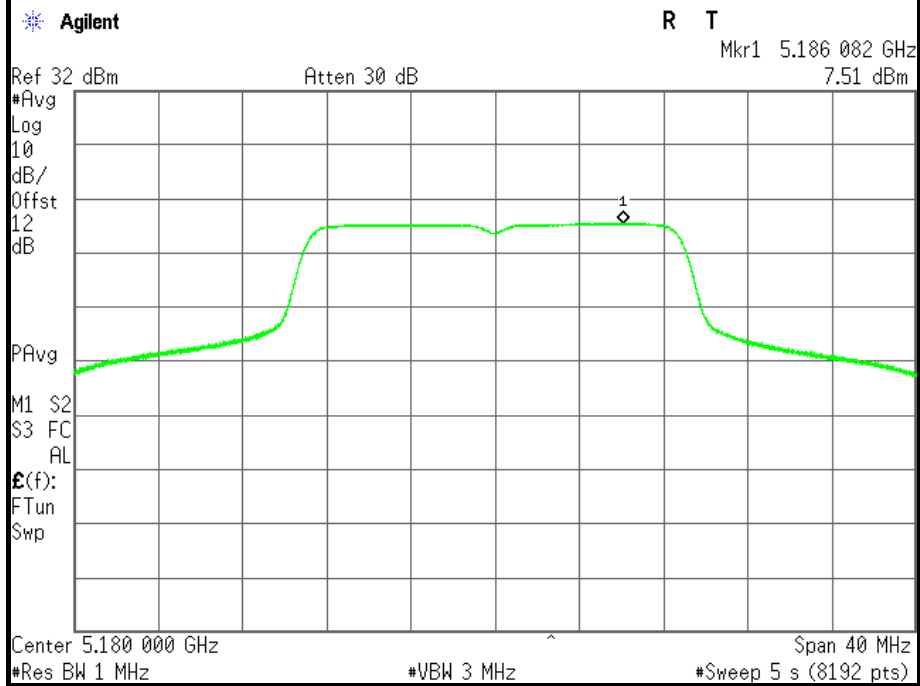




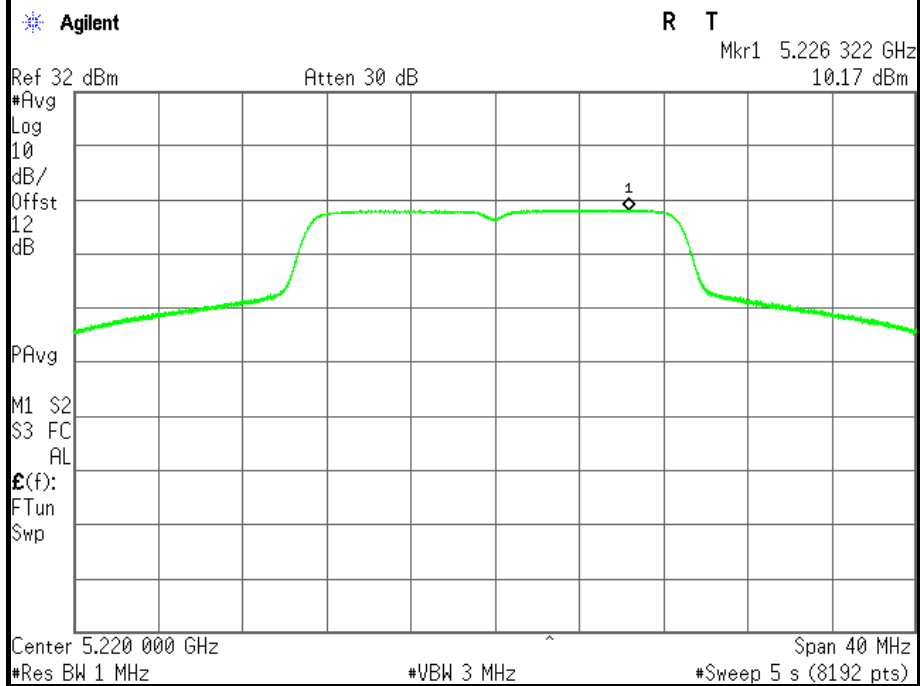


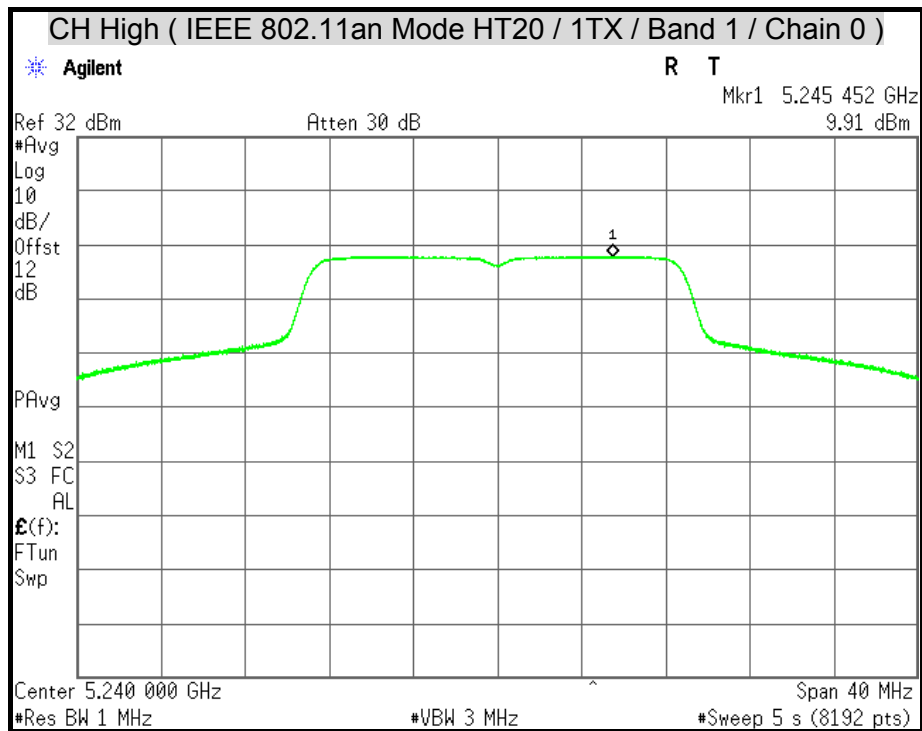


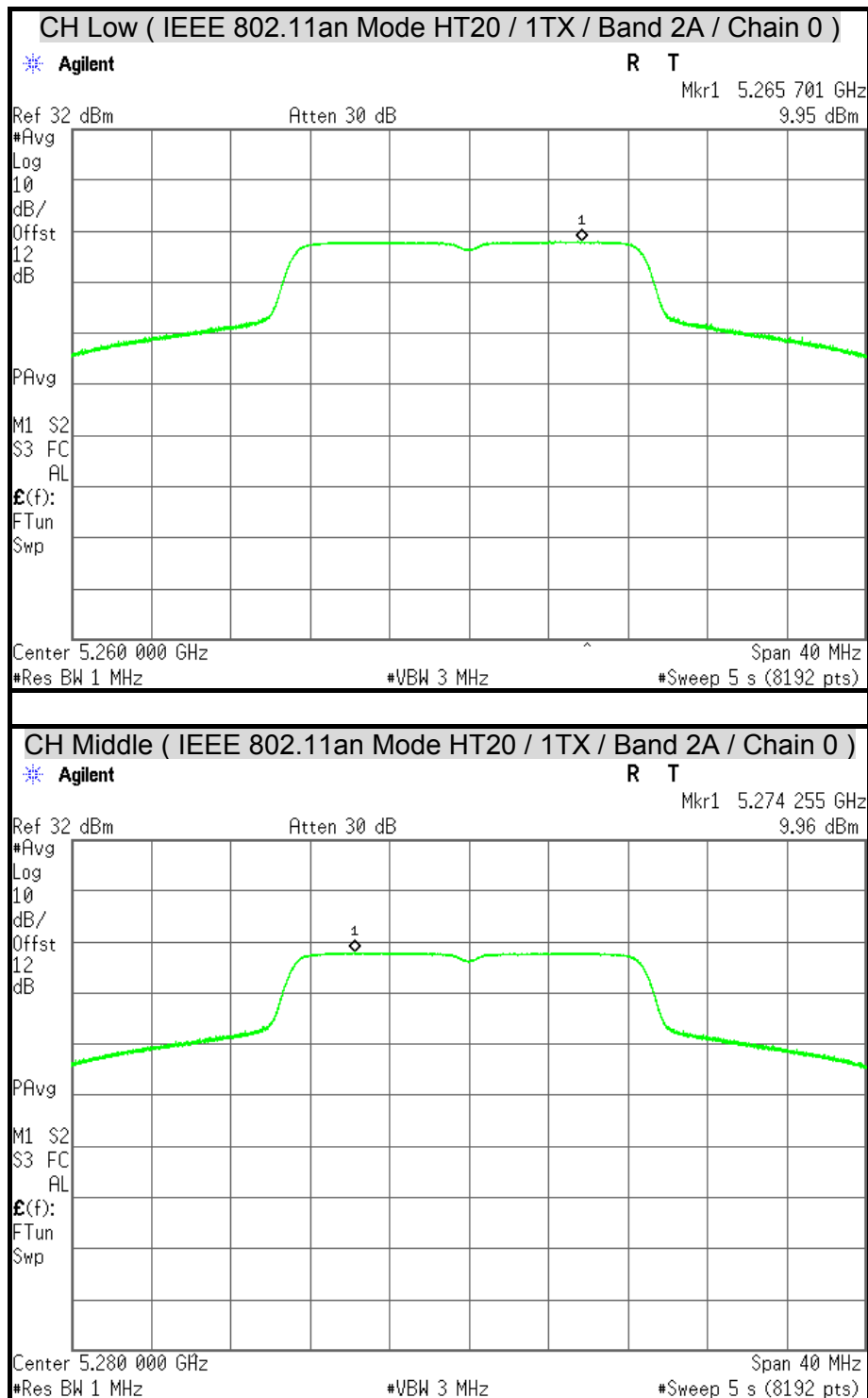
CH Low (IEEE 802.11an Mode HT20 / 1TX / Band 1 / Chain 0)

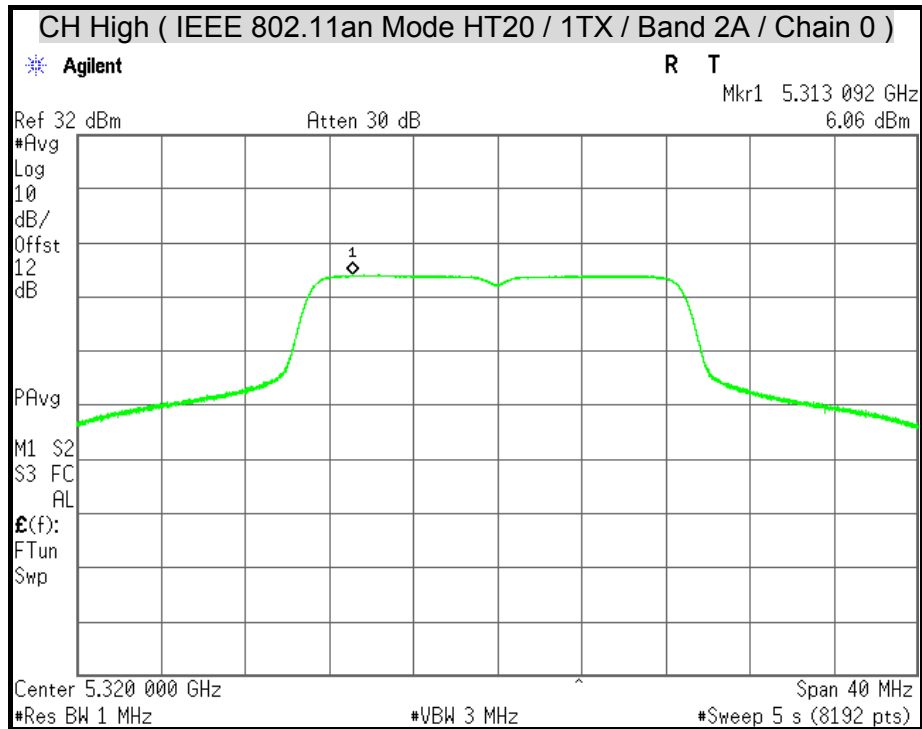


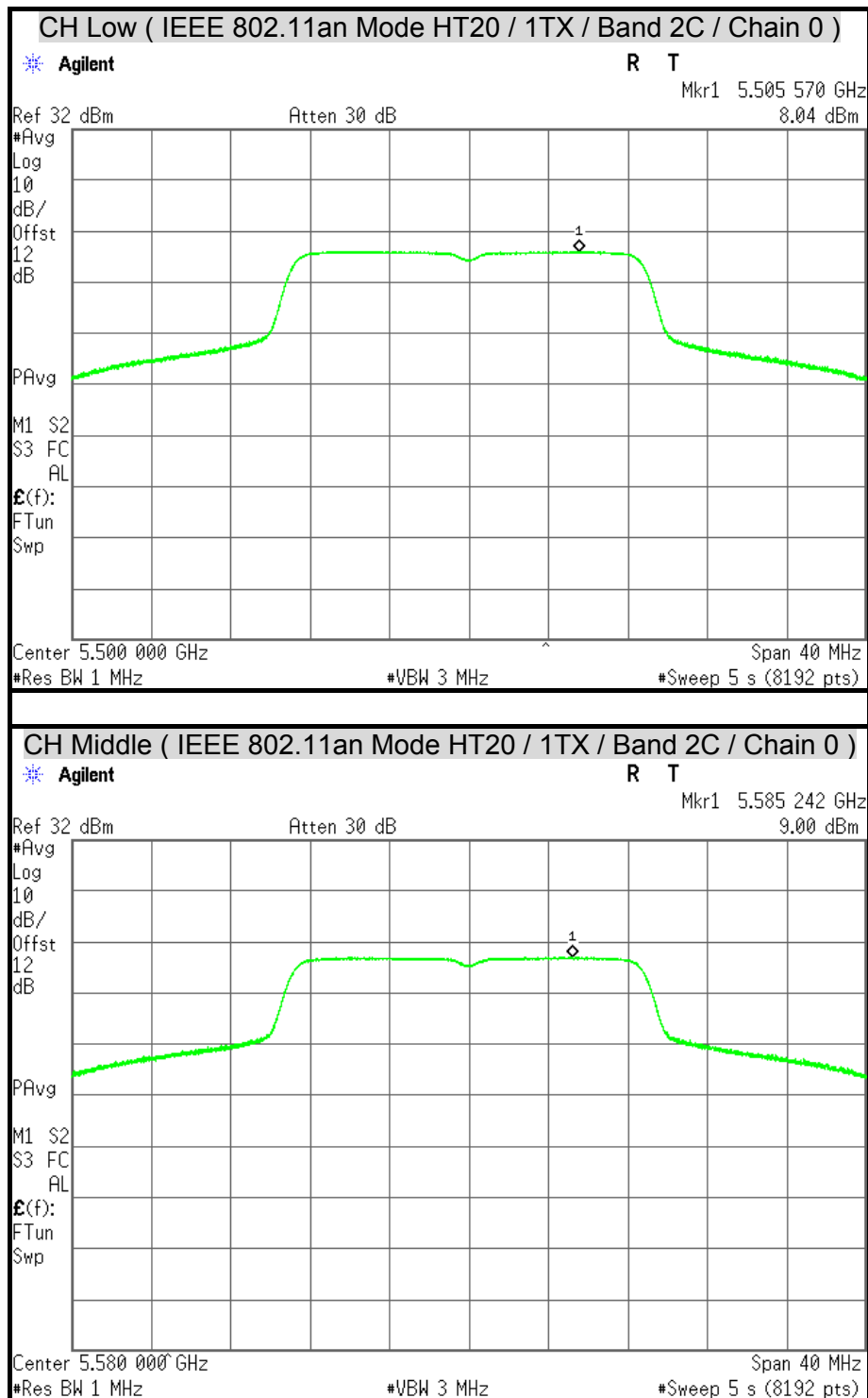
CH Middle (IEEE 802.11an Mode HT20 / 1TX / Band 1 / Chain 0)

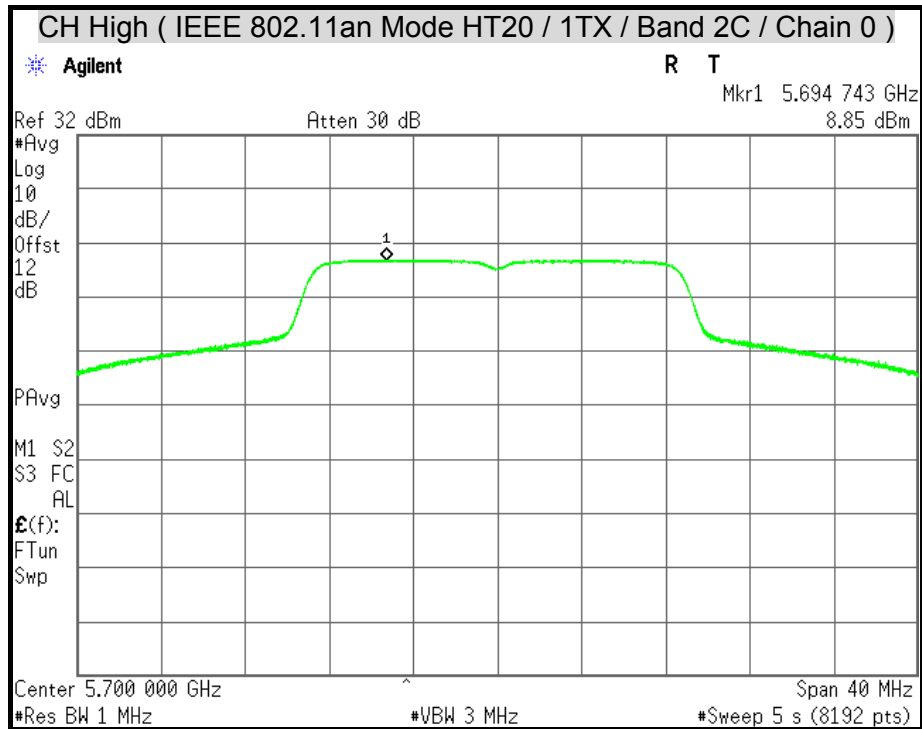


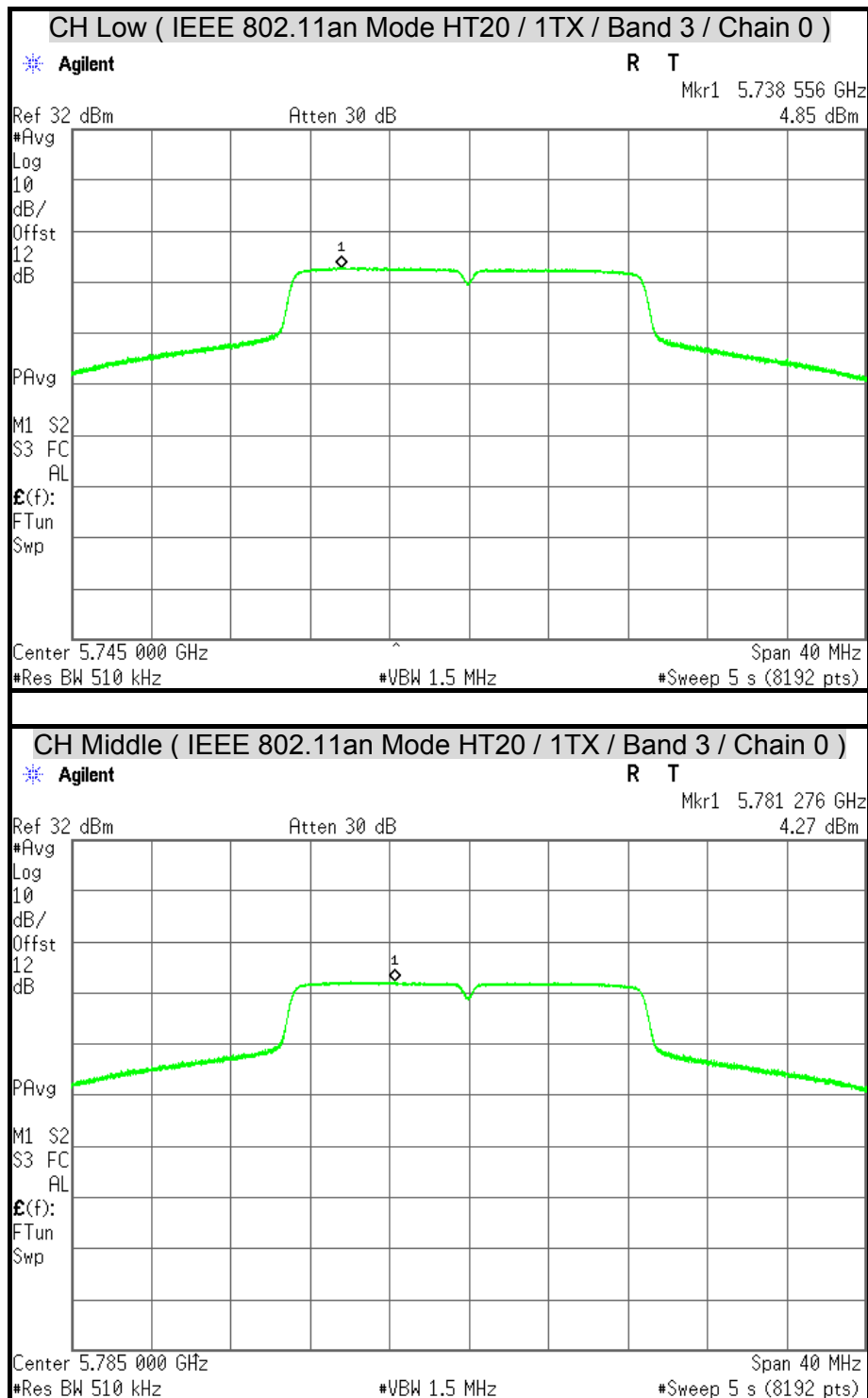


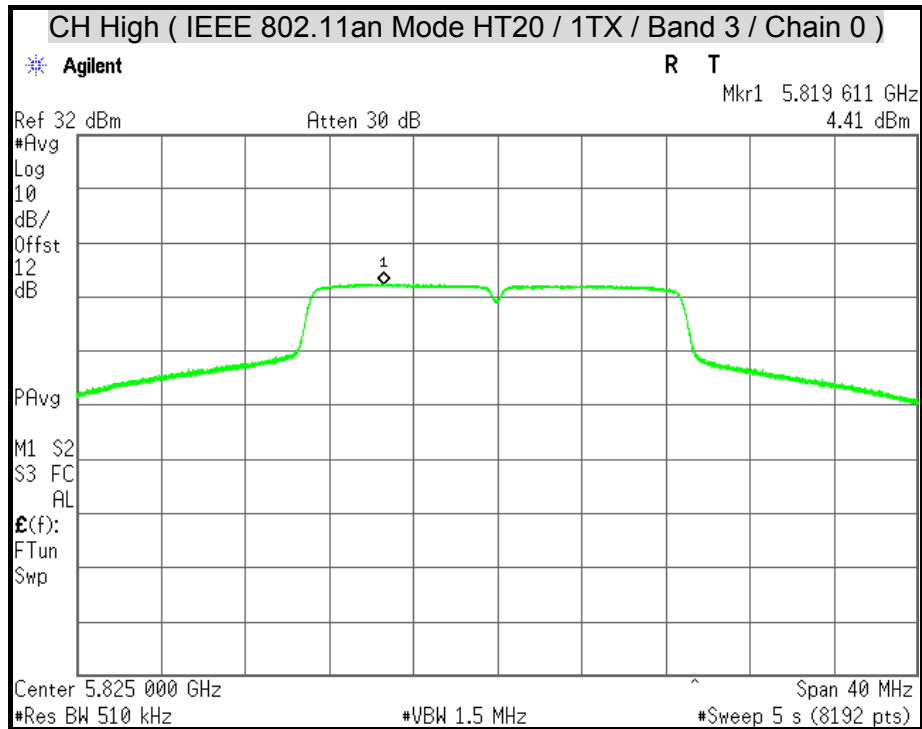






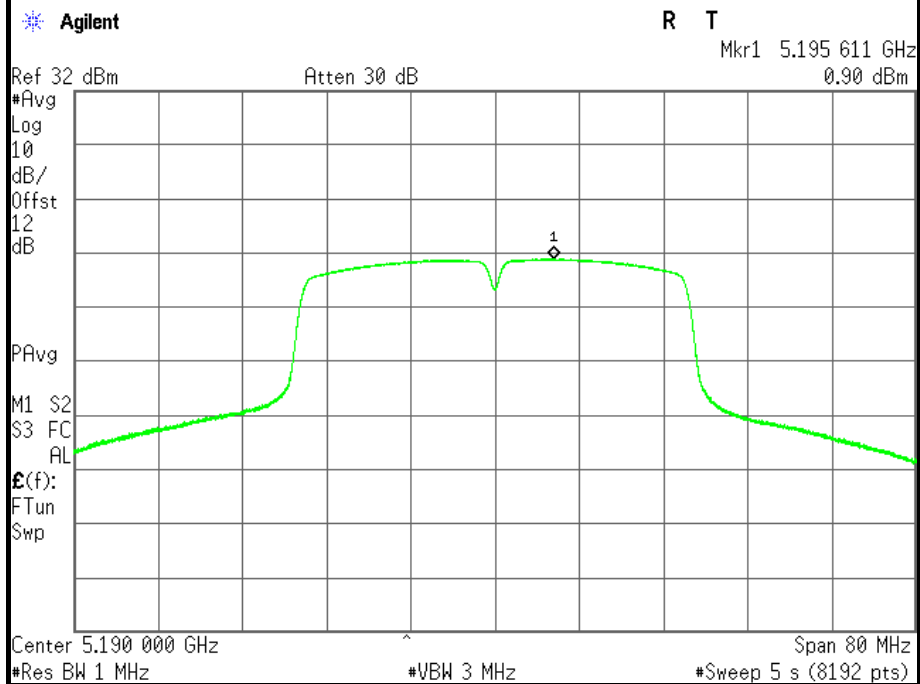




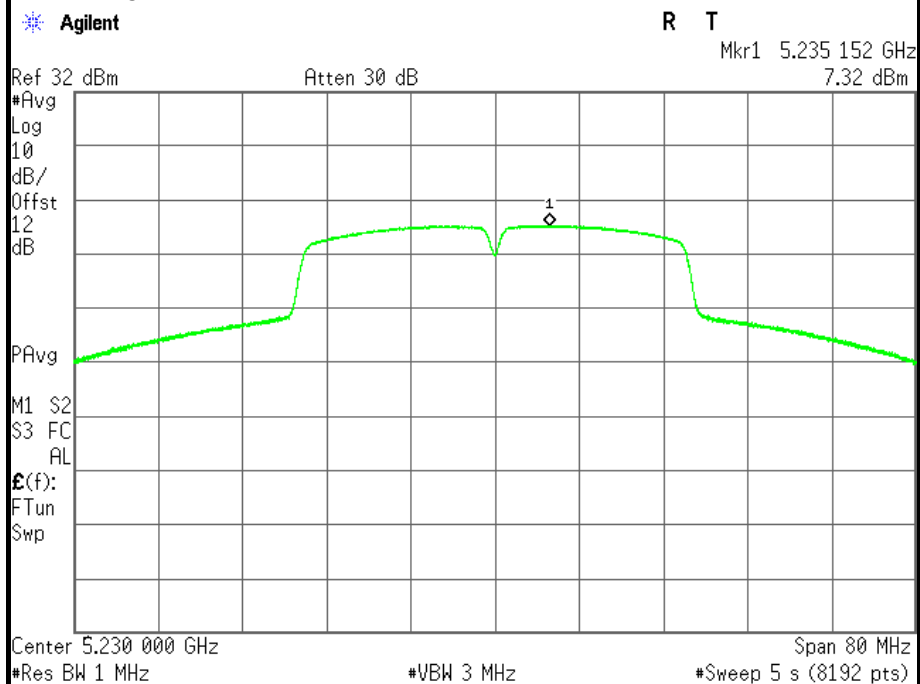


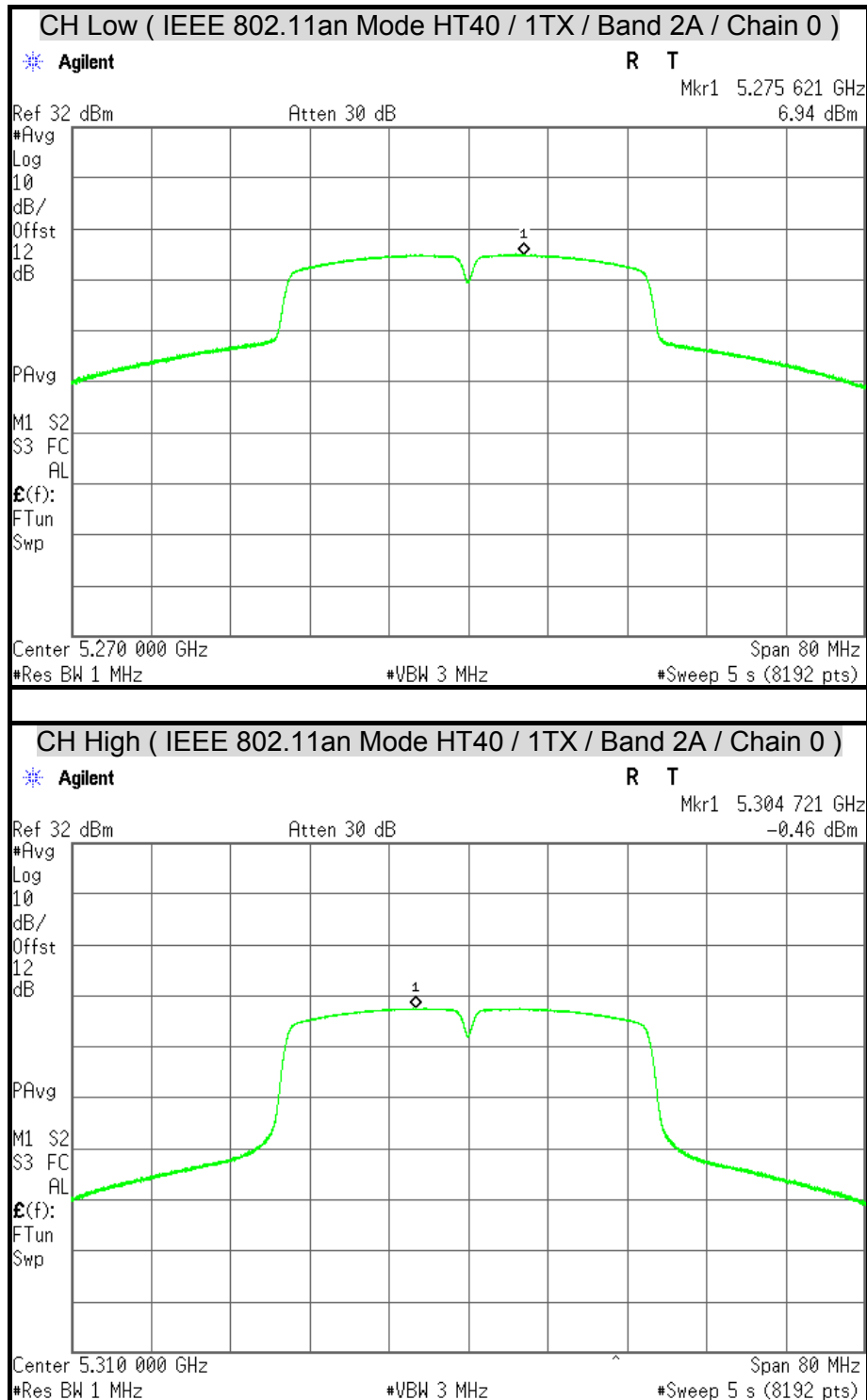


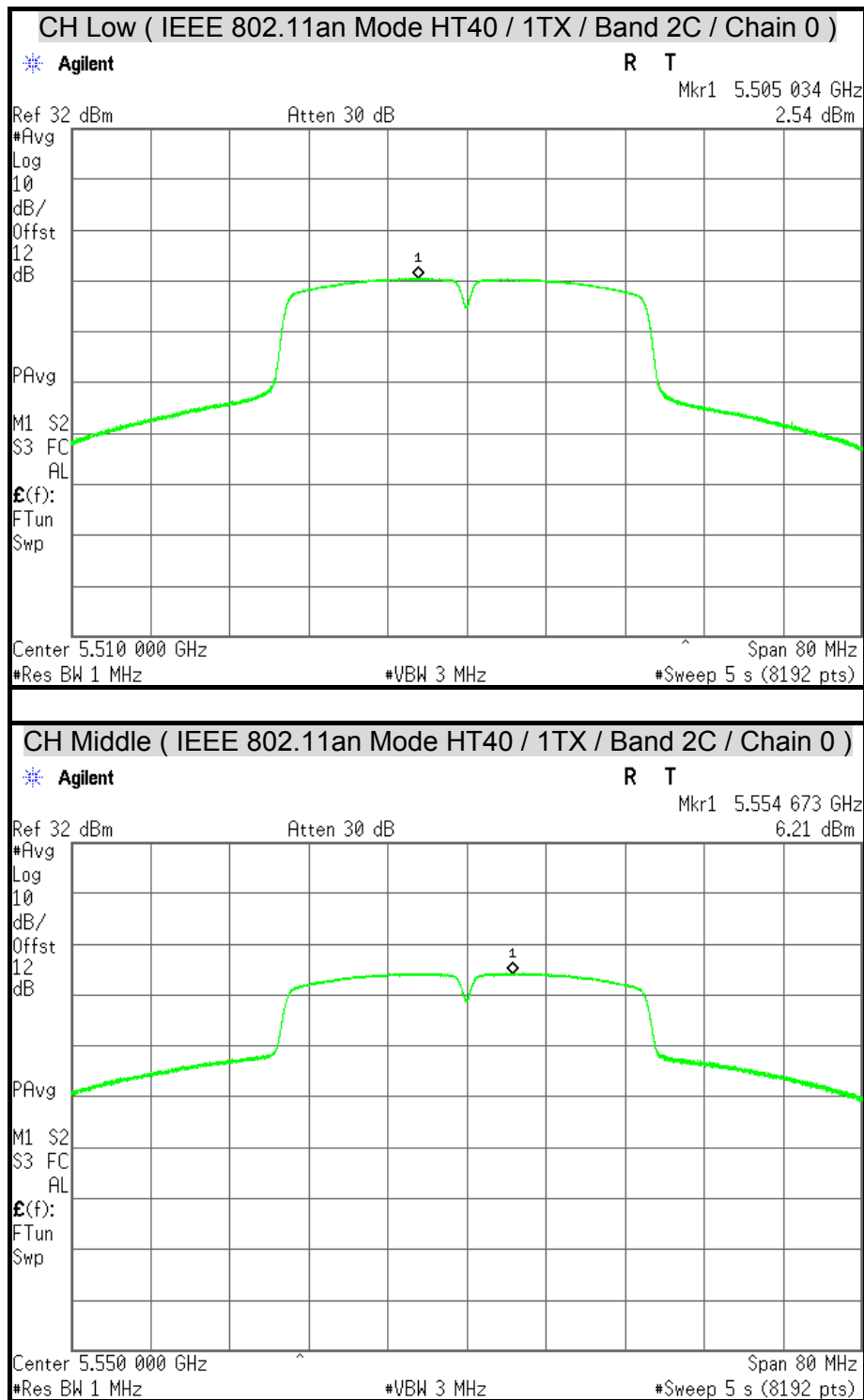
CH Low (IEEE 802.11an Mode HT40 / 1TX / Band 1 / Chain 0)

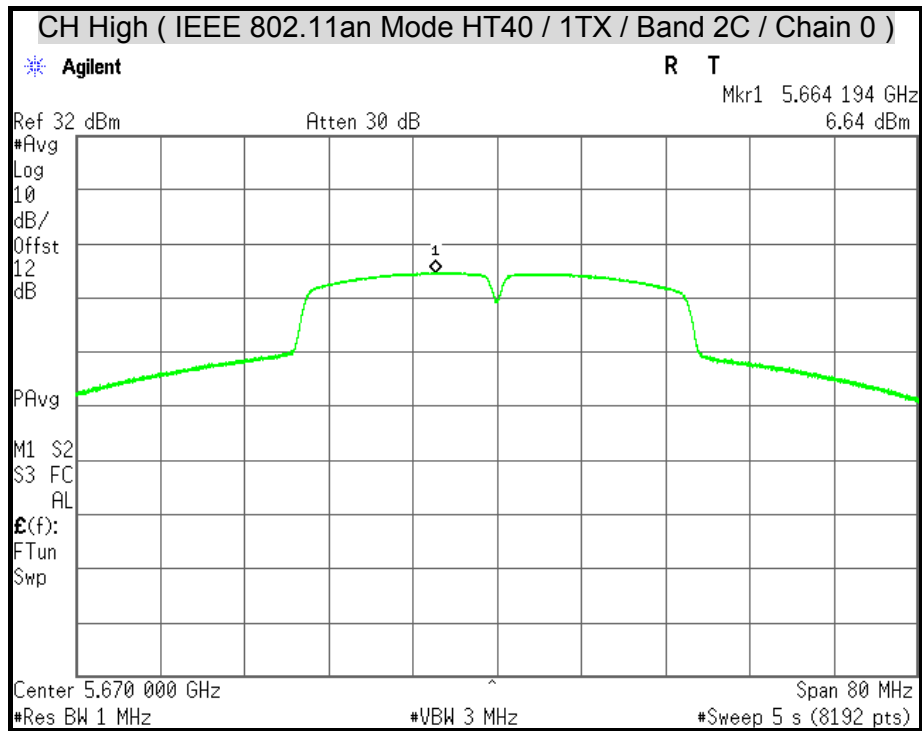


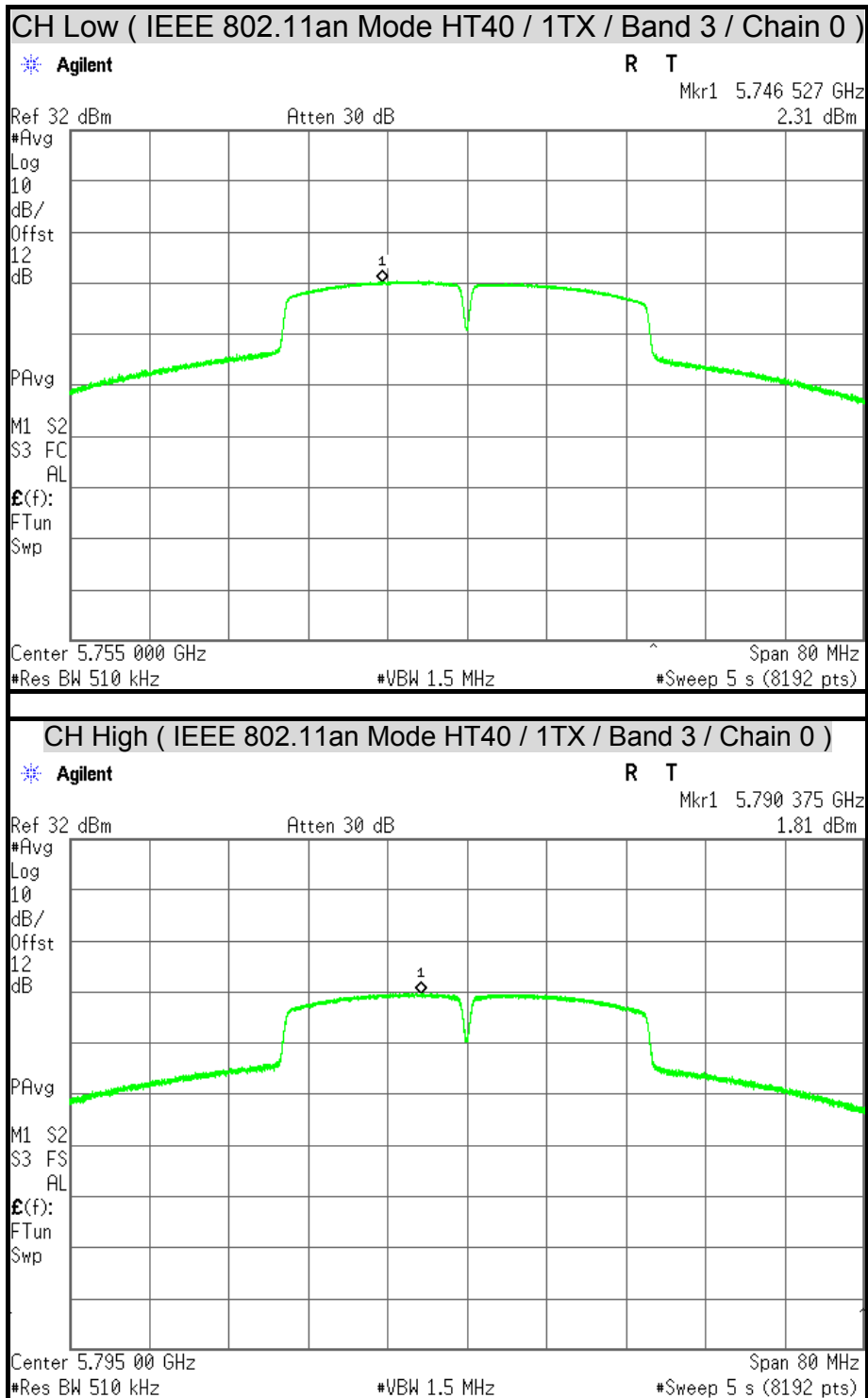
CH High (IEEE 802.11an Mode HT40 / 1TX / Band 1 / Chain 0)

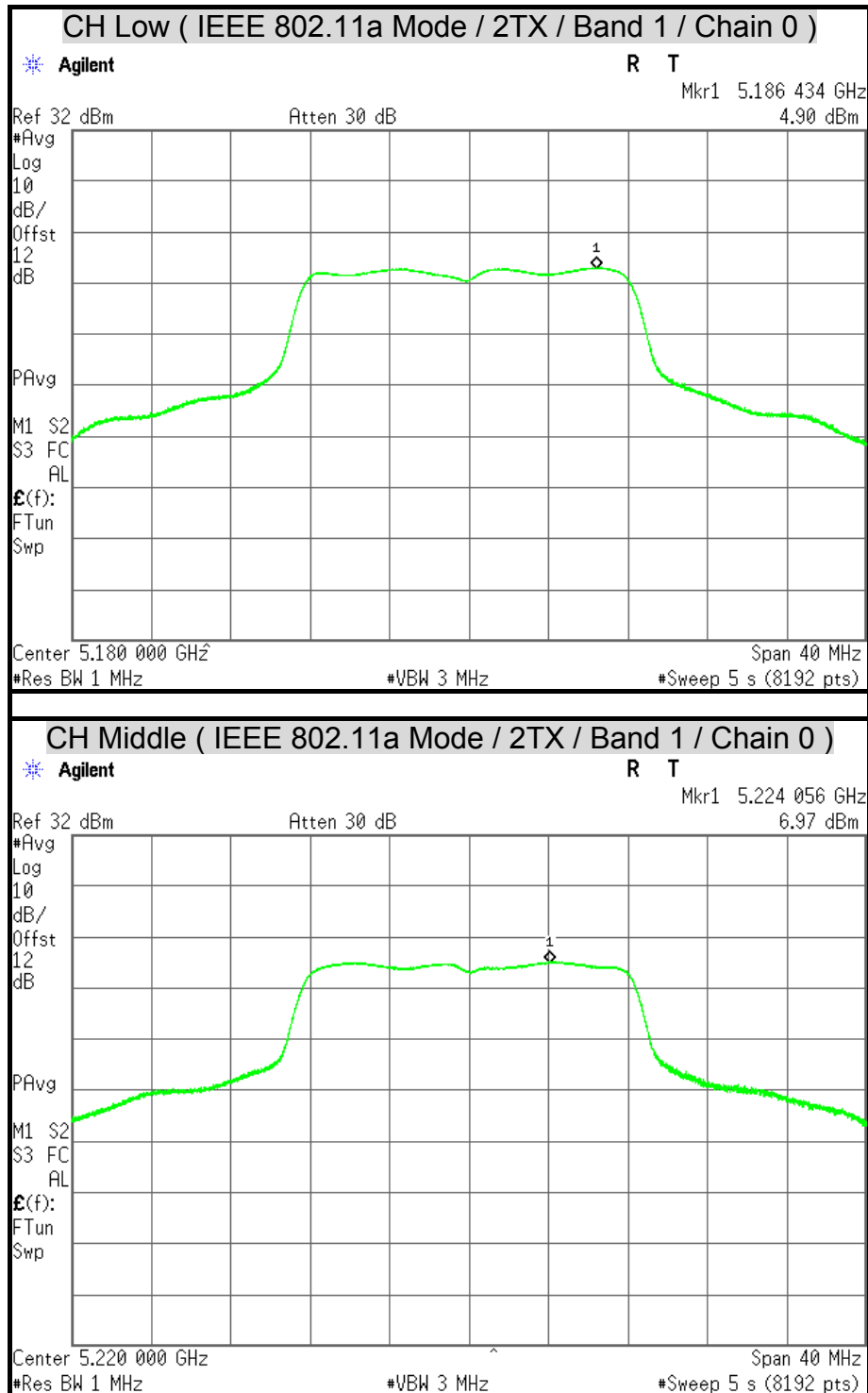


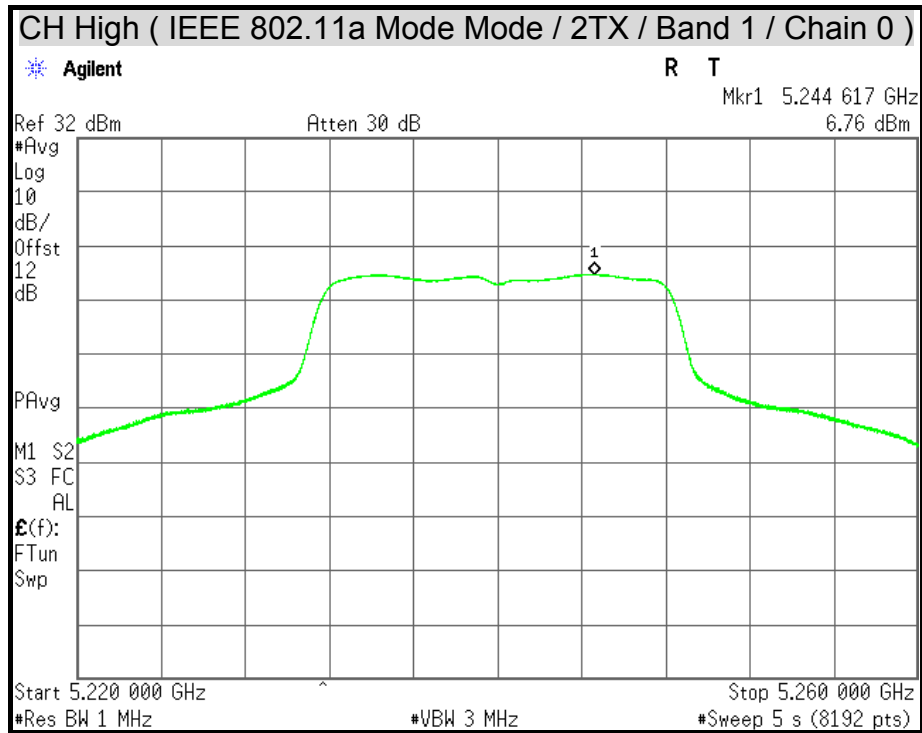


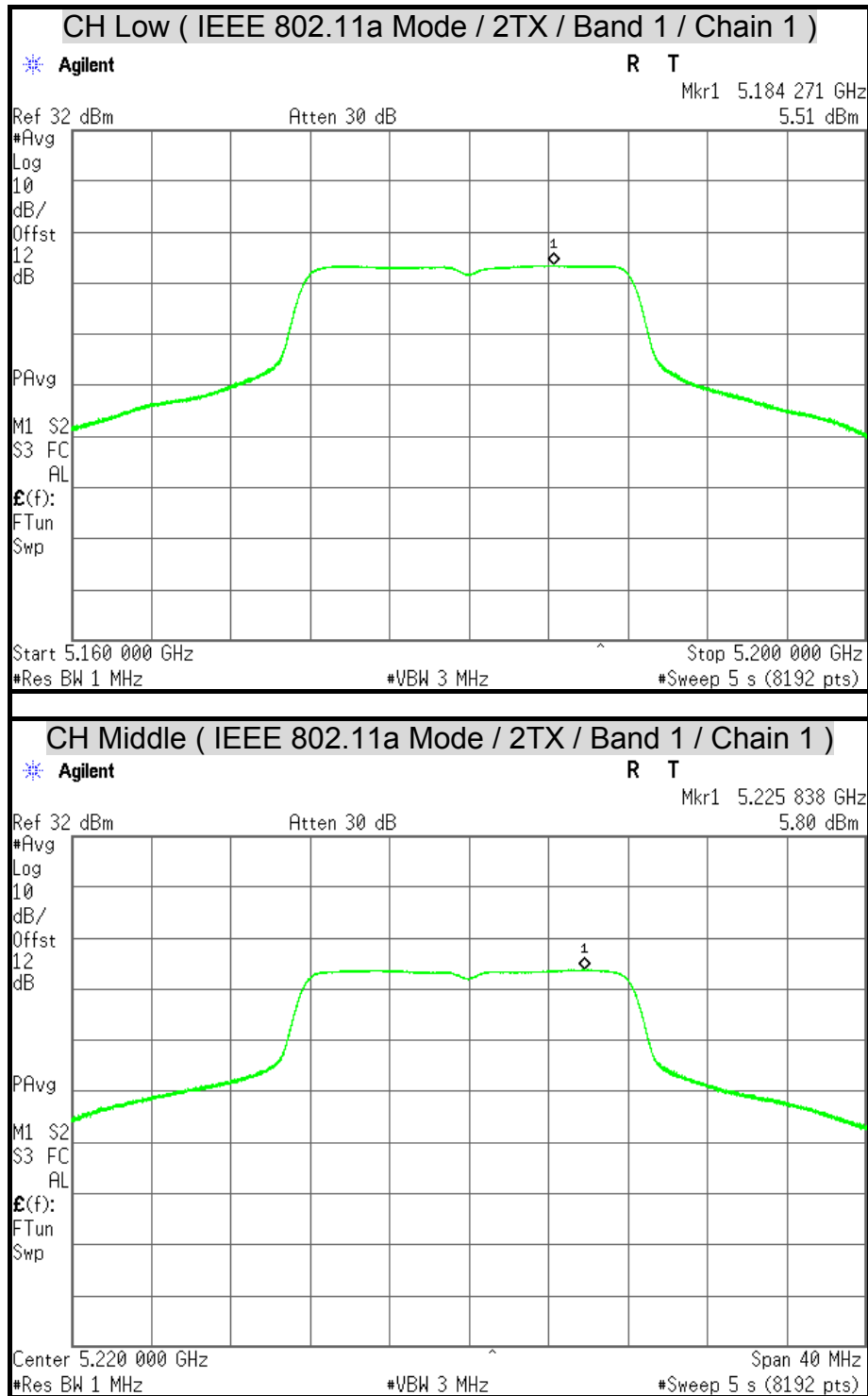


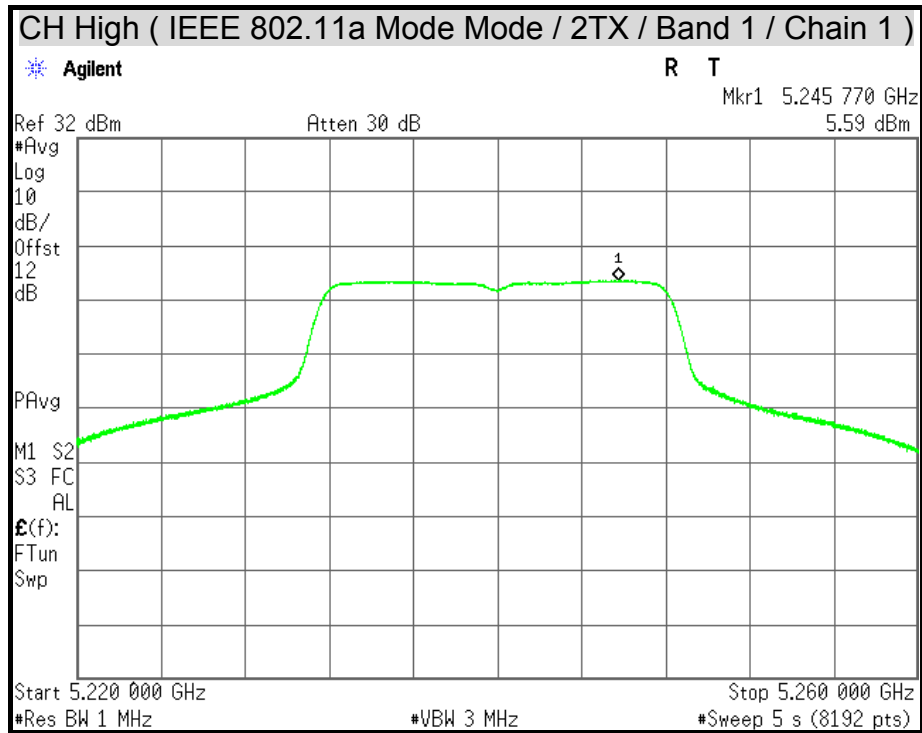


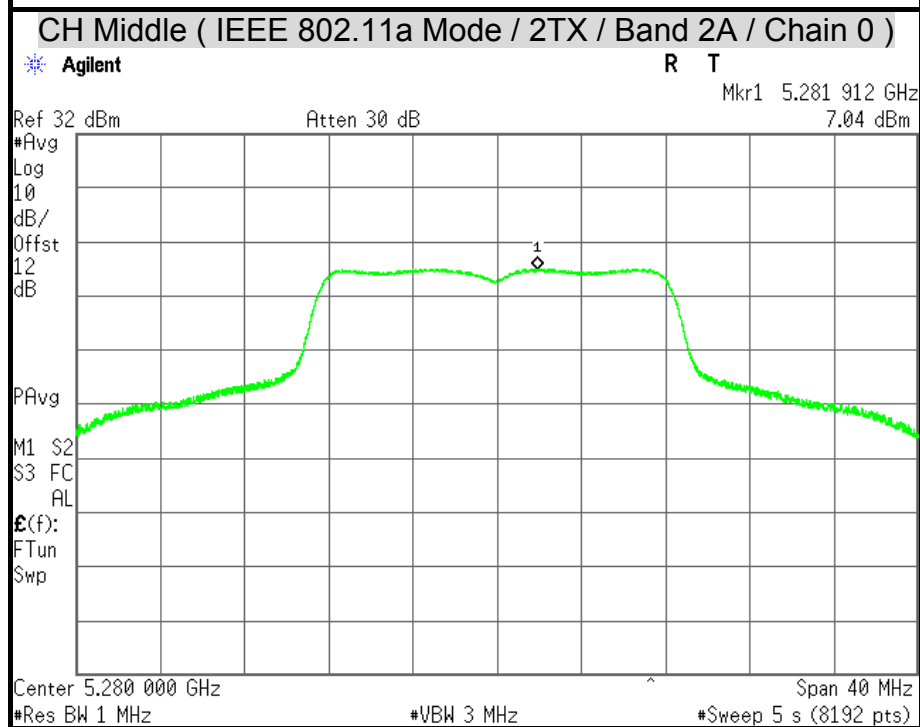
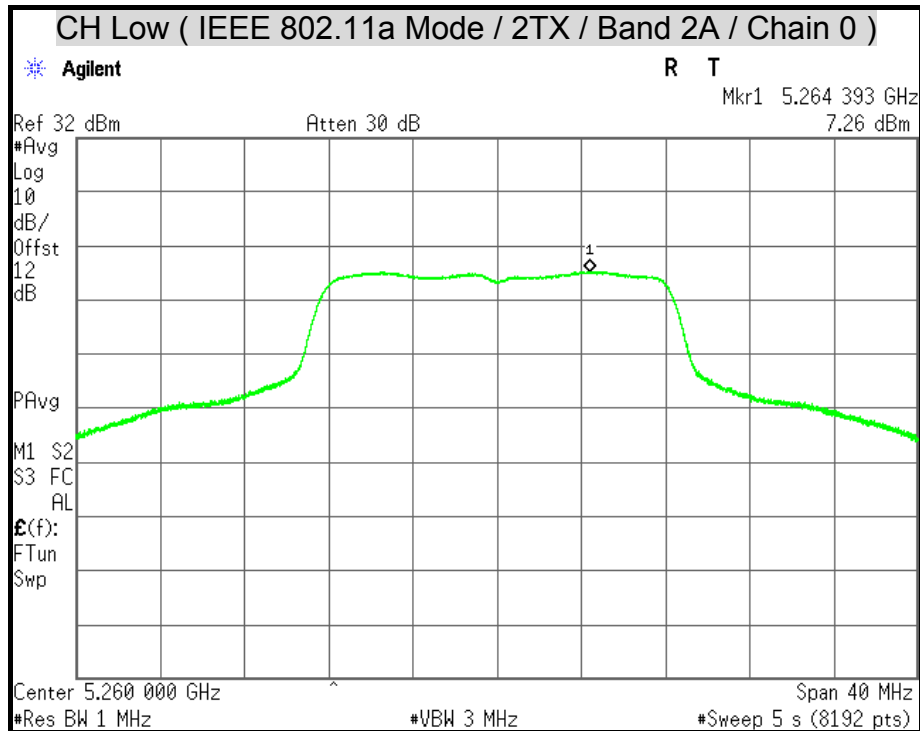


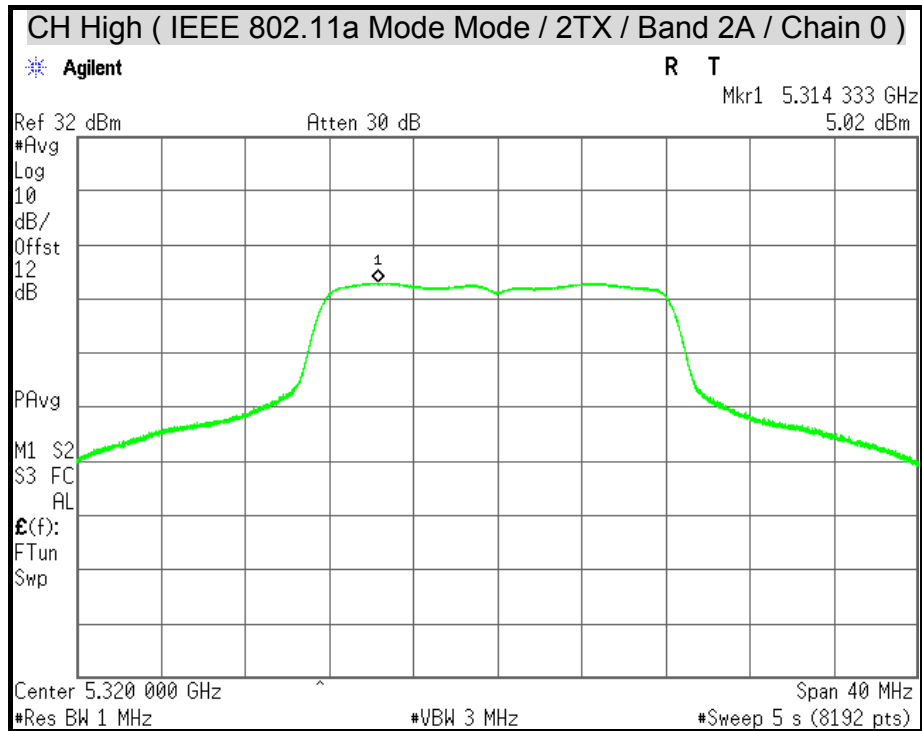


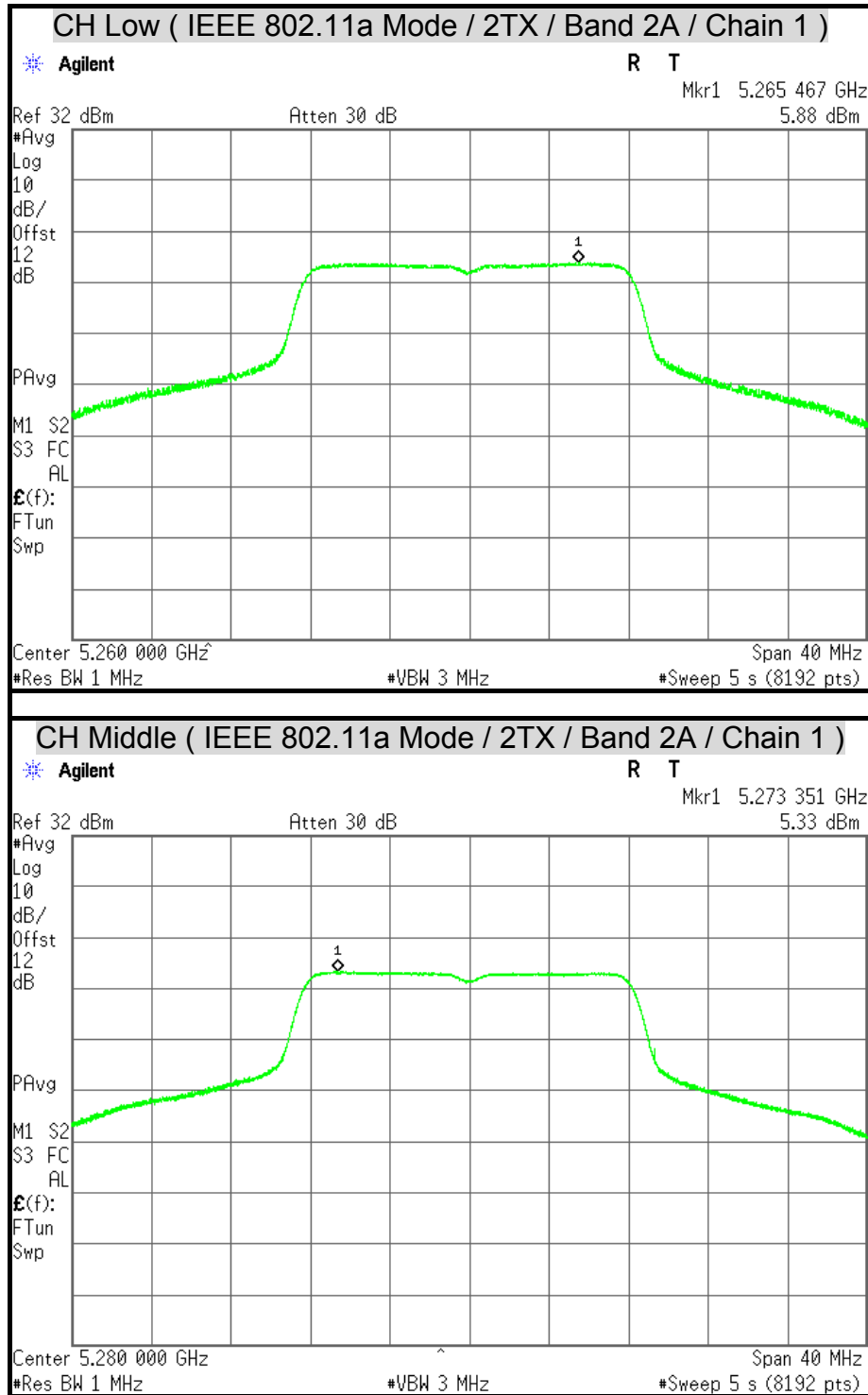


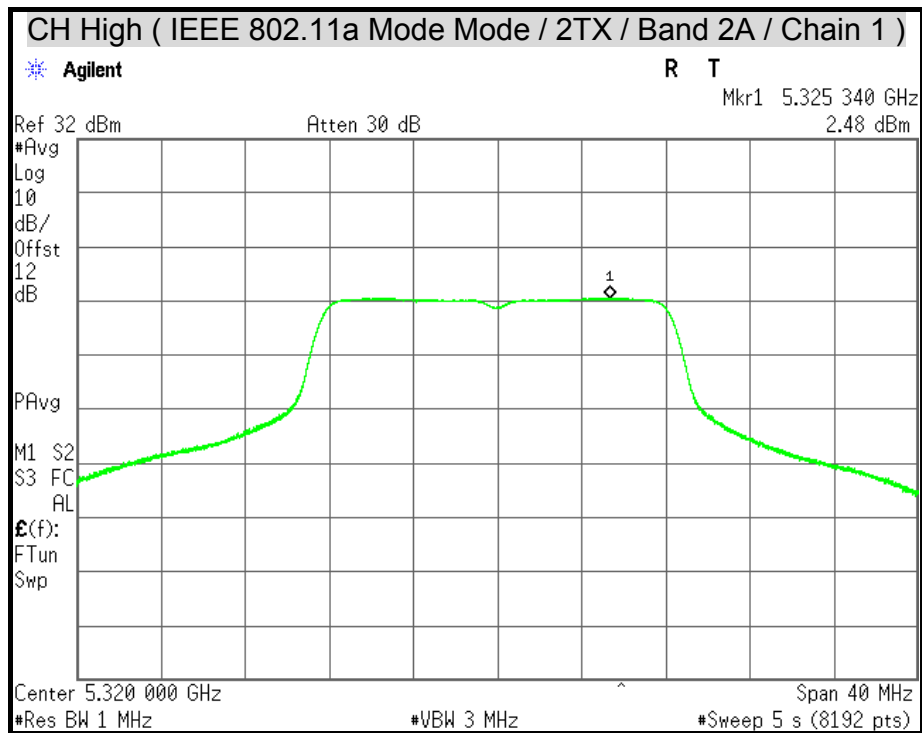


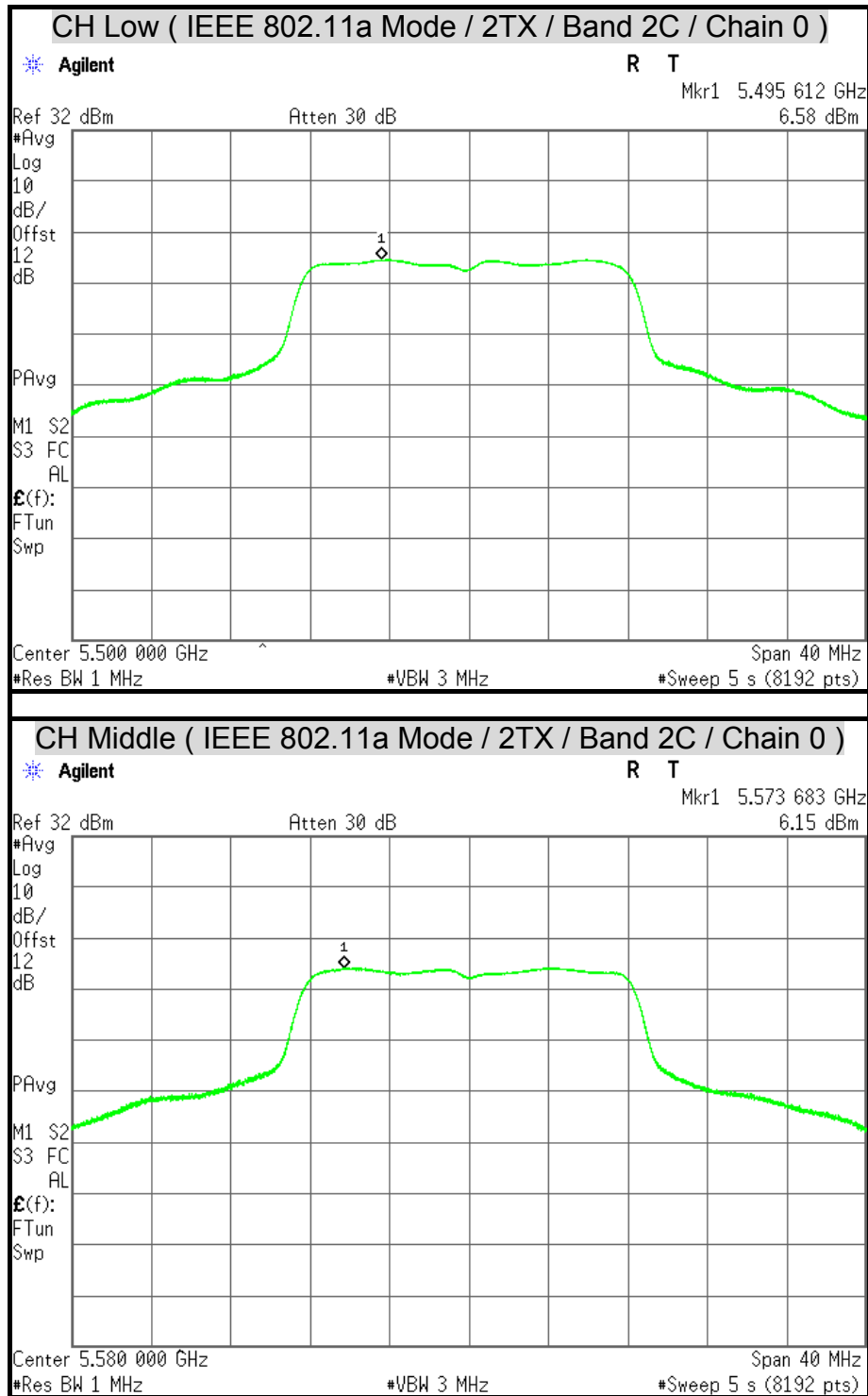


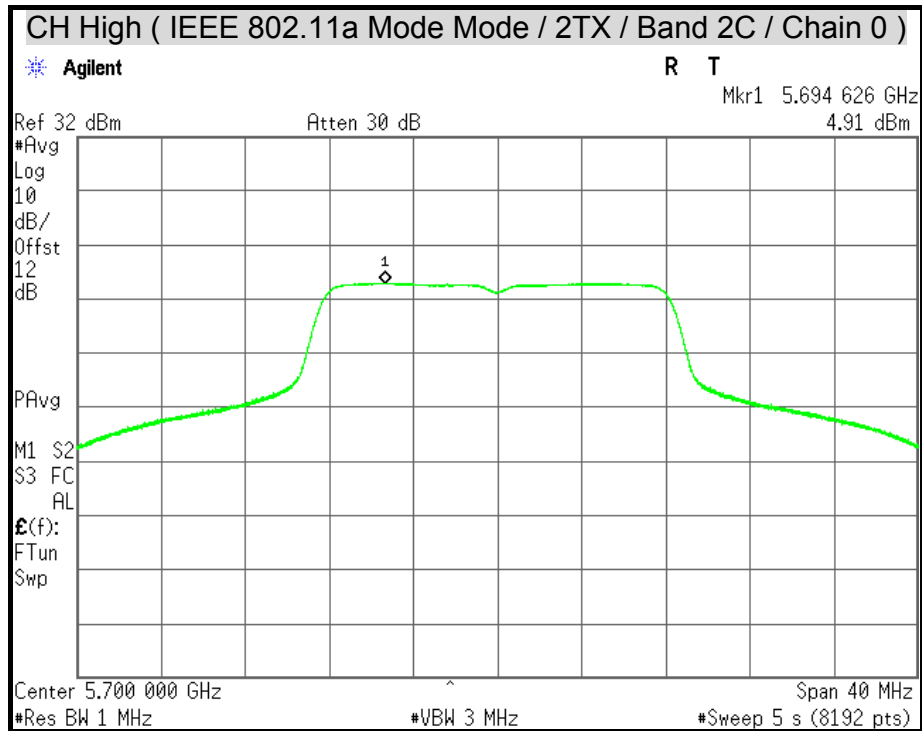


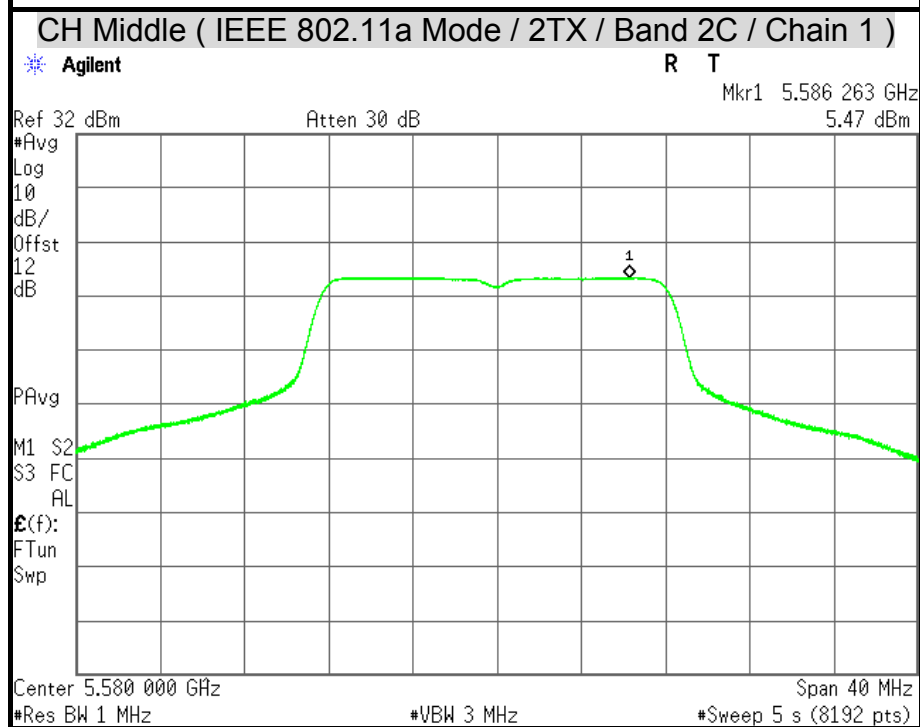
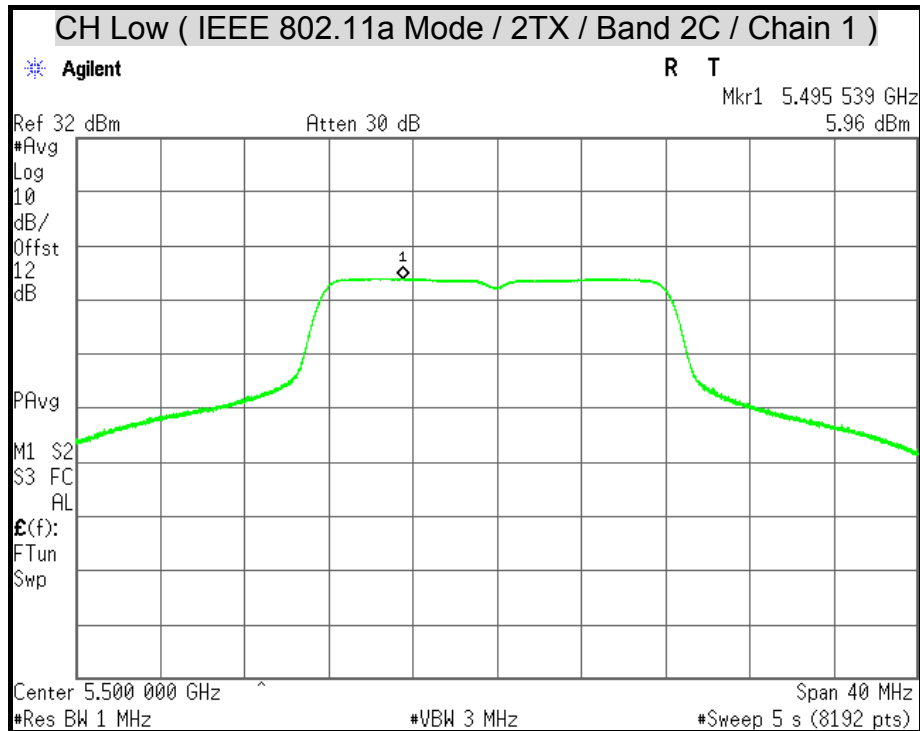


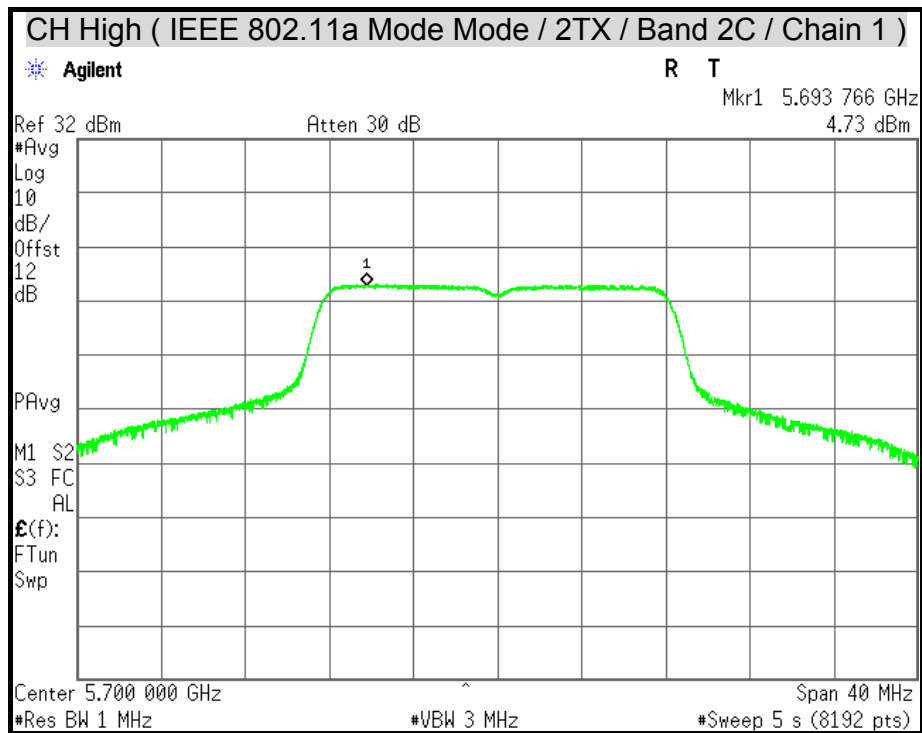


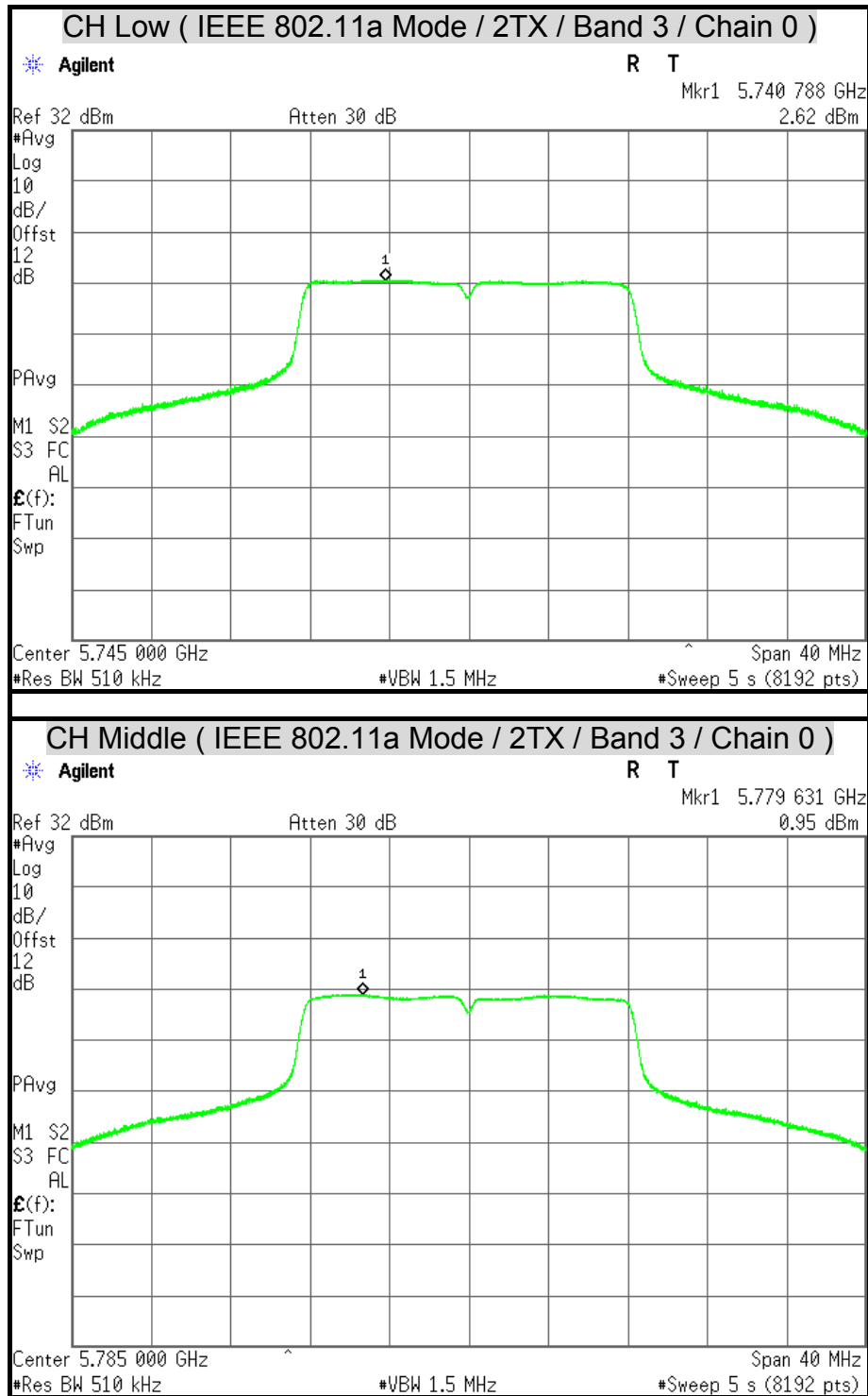


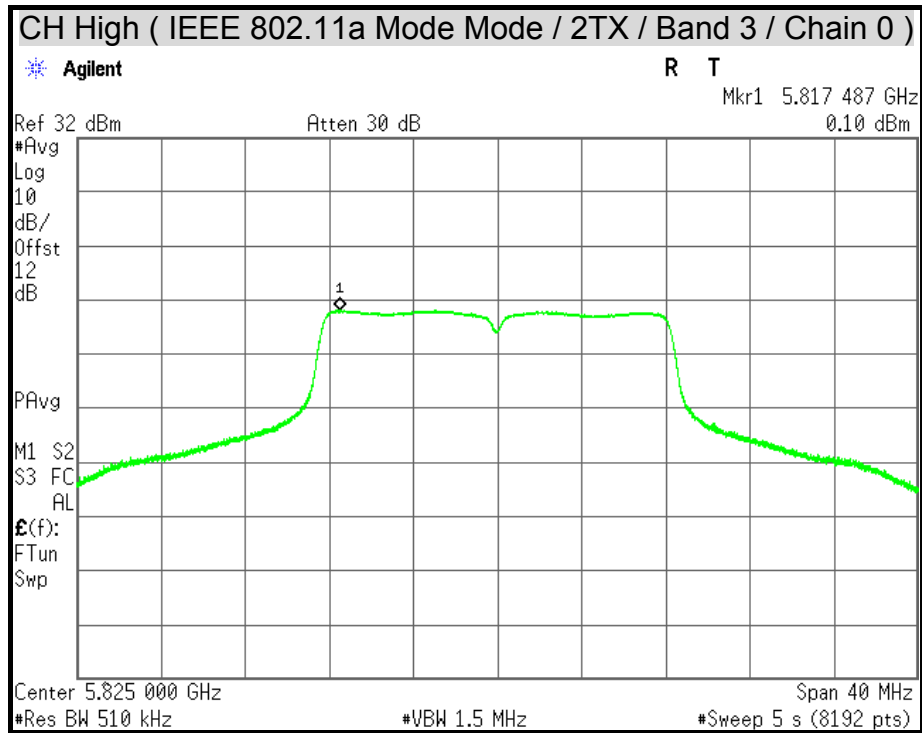


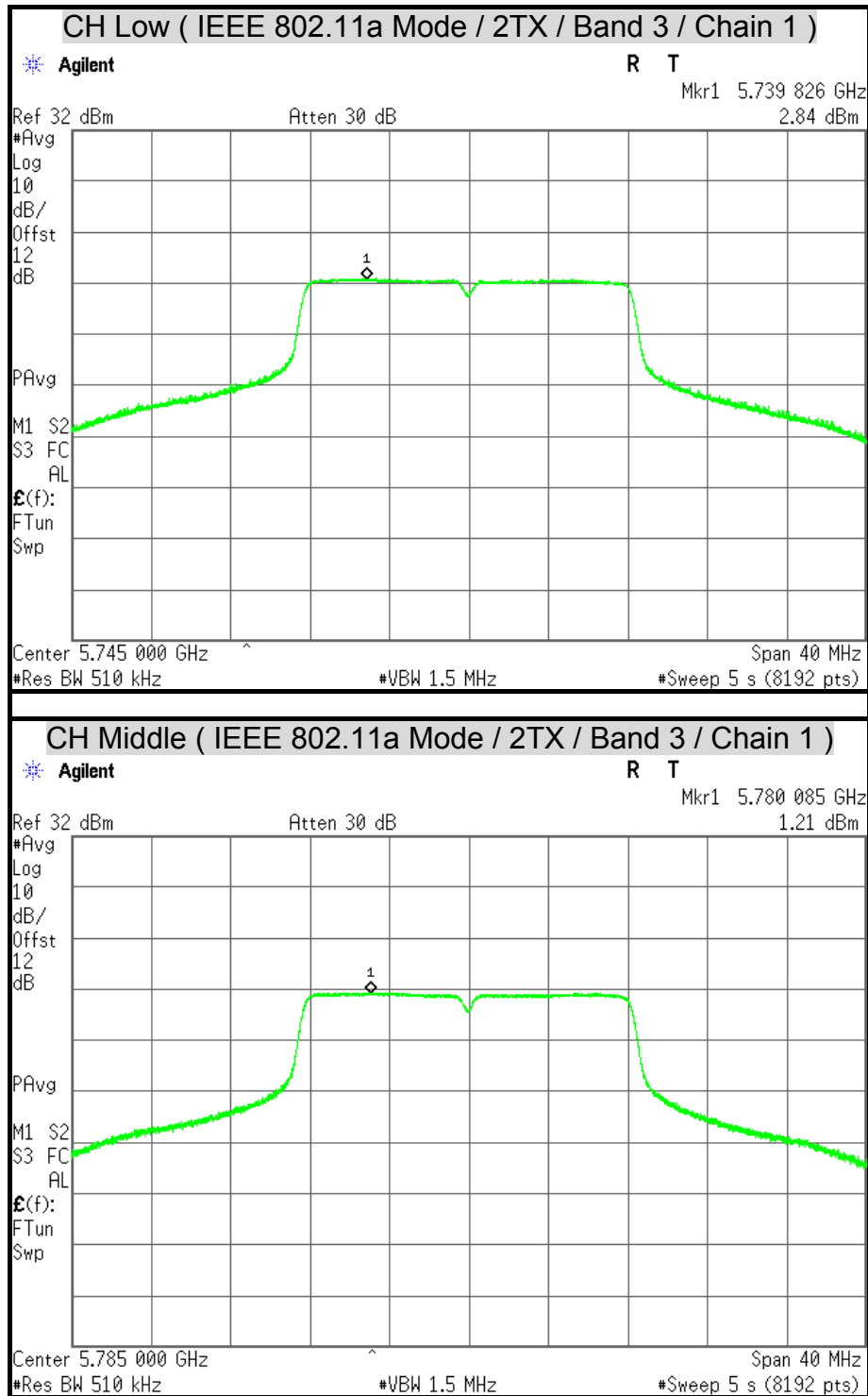


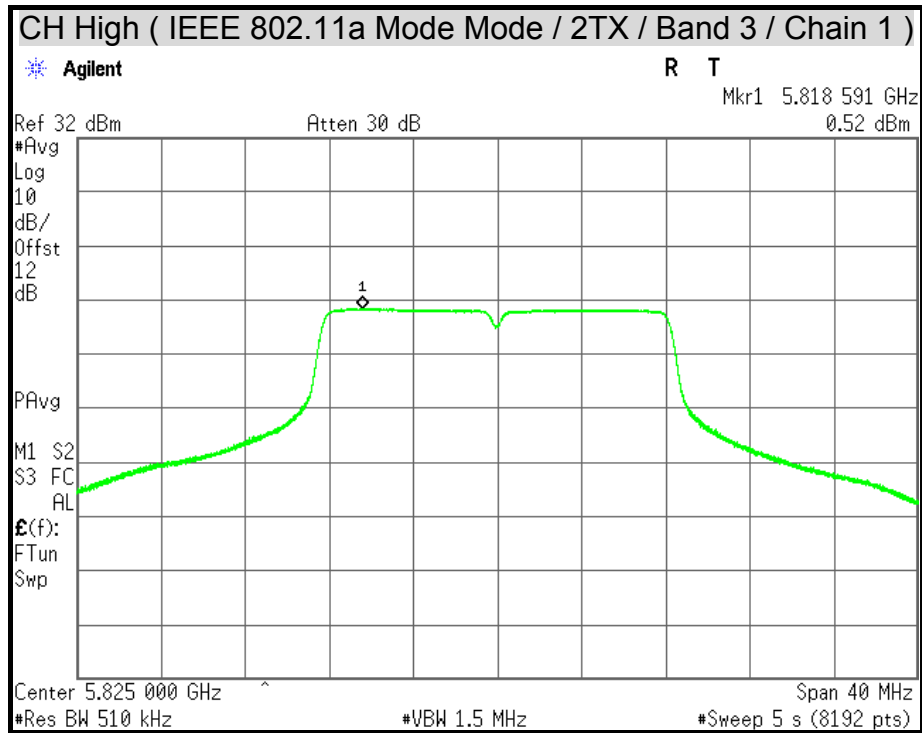






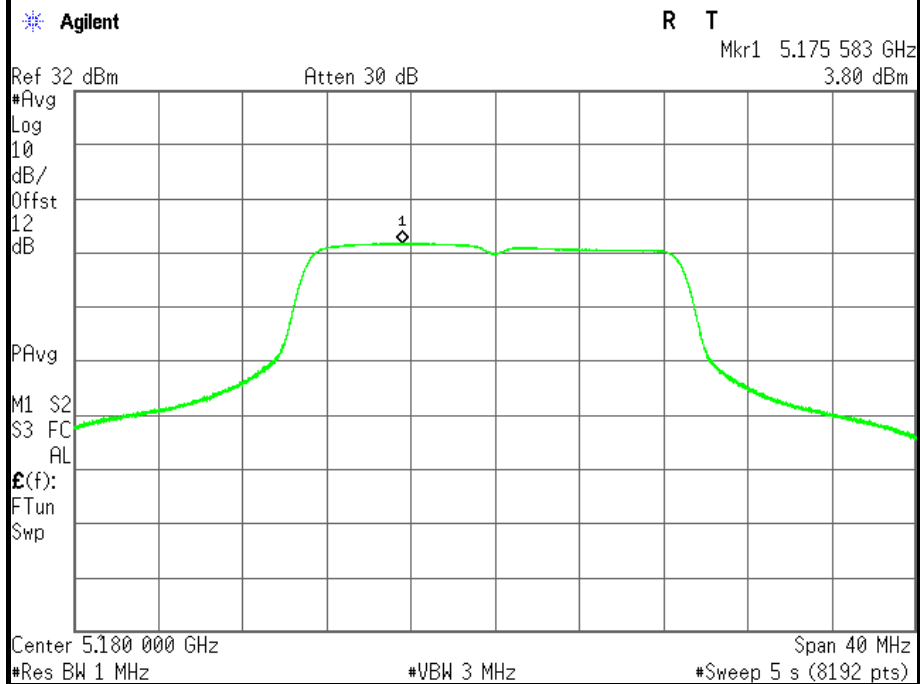




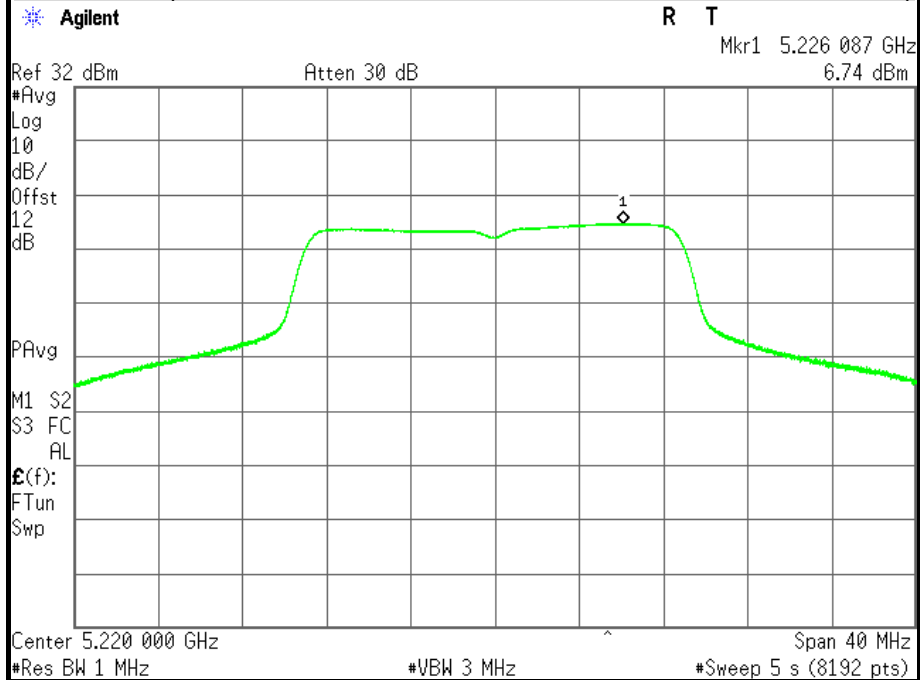


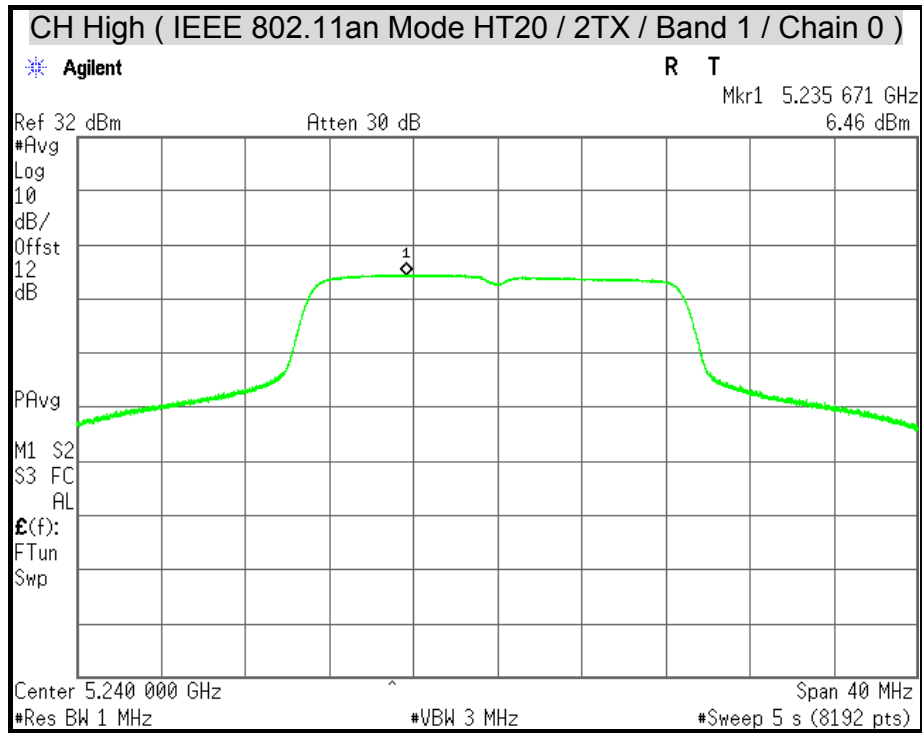


CH Low (IEEE 802.11an Mode HT20 / 2TX / Band 1 / Chain 0)



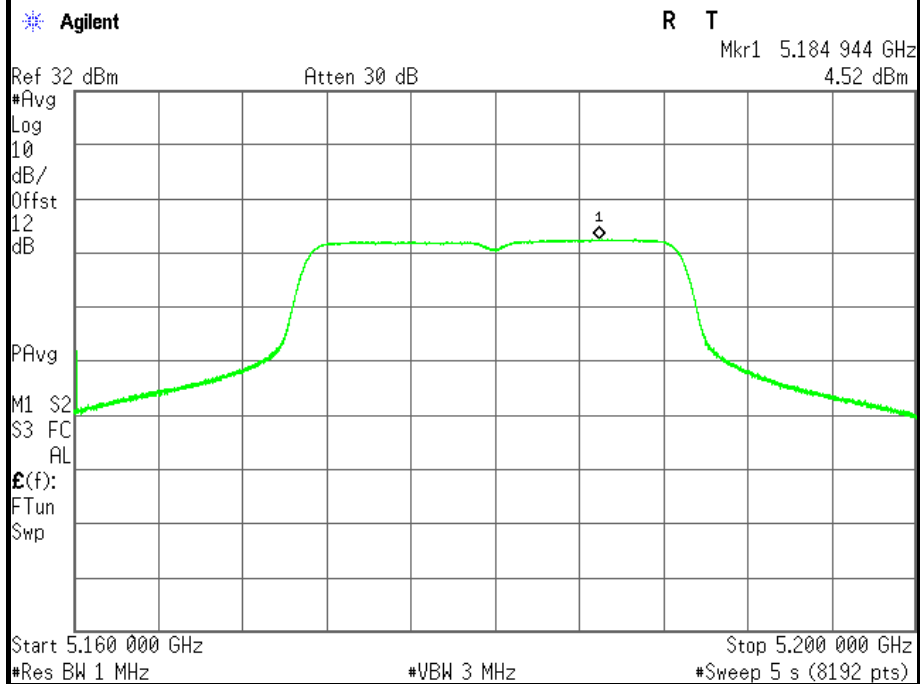
CH Middle (IEEE 802.11an Mode HT20 / 2TX / Band 1 / Chain 0)



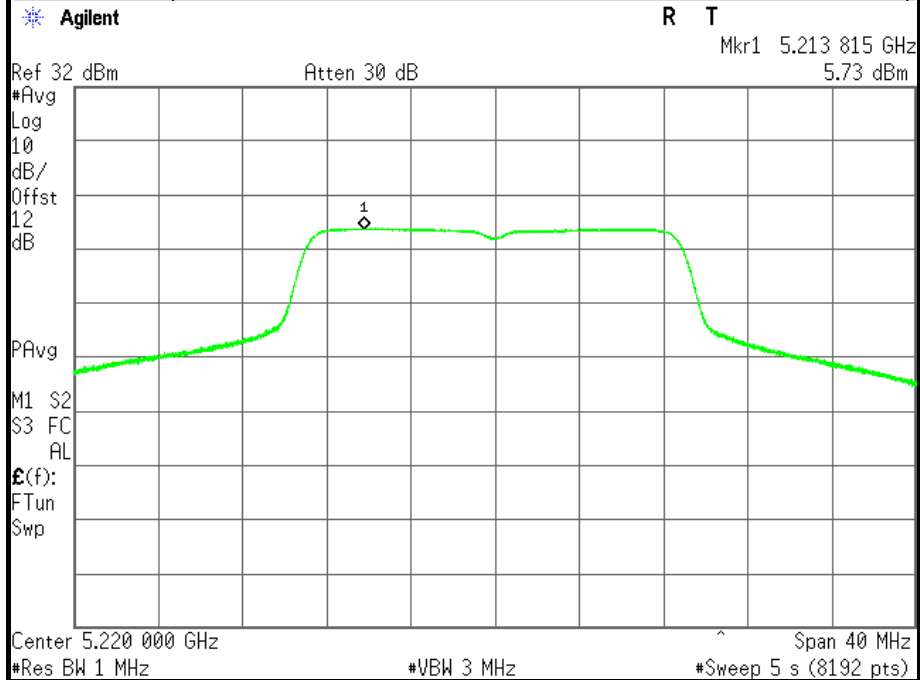


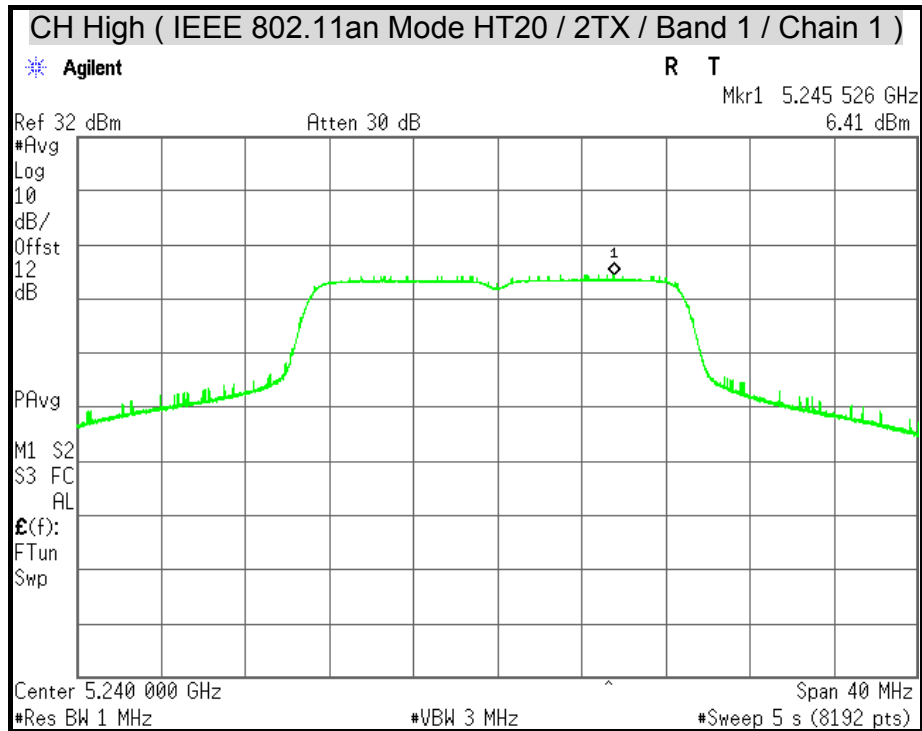


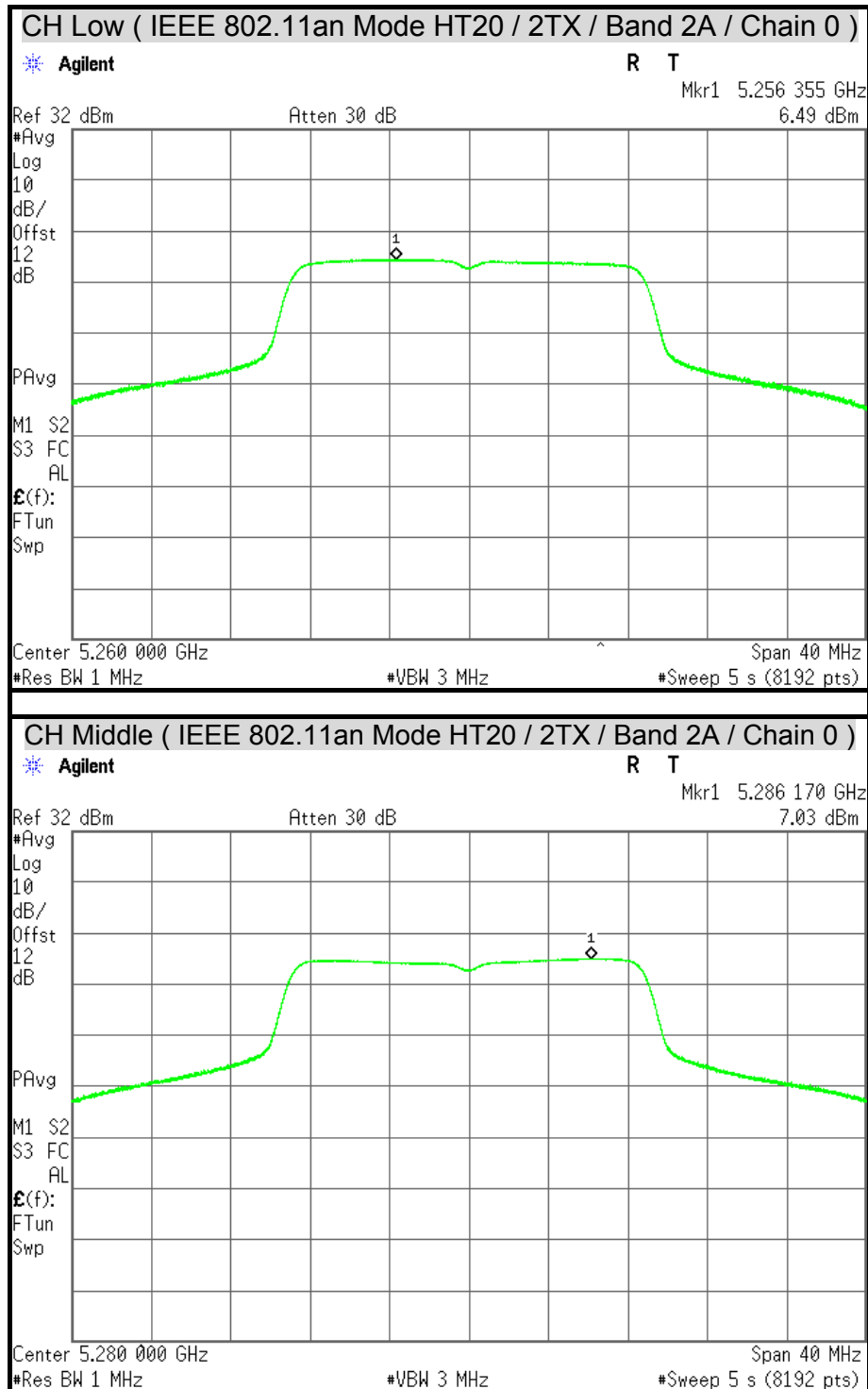
CH Low (IEEE 802.11an Mode HT20 / 2TX / Band 1 / Chain 1)

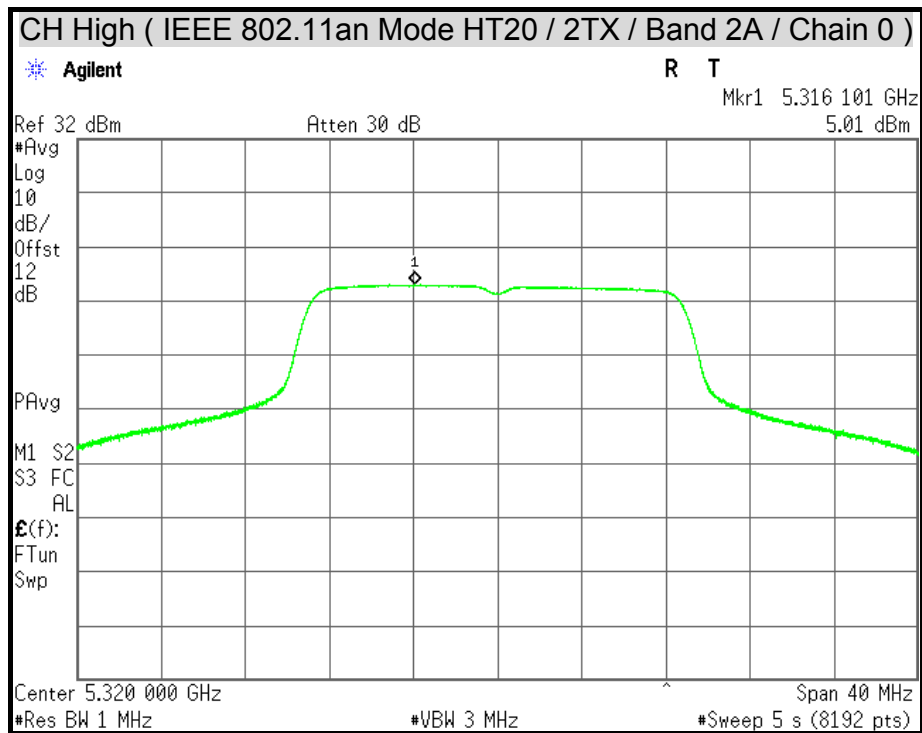


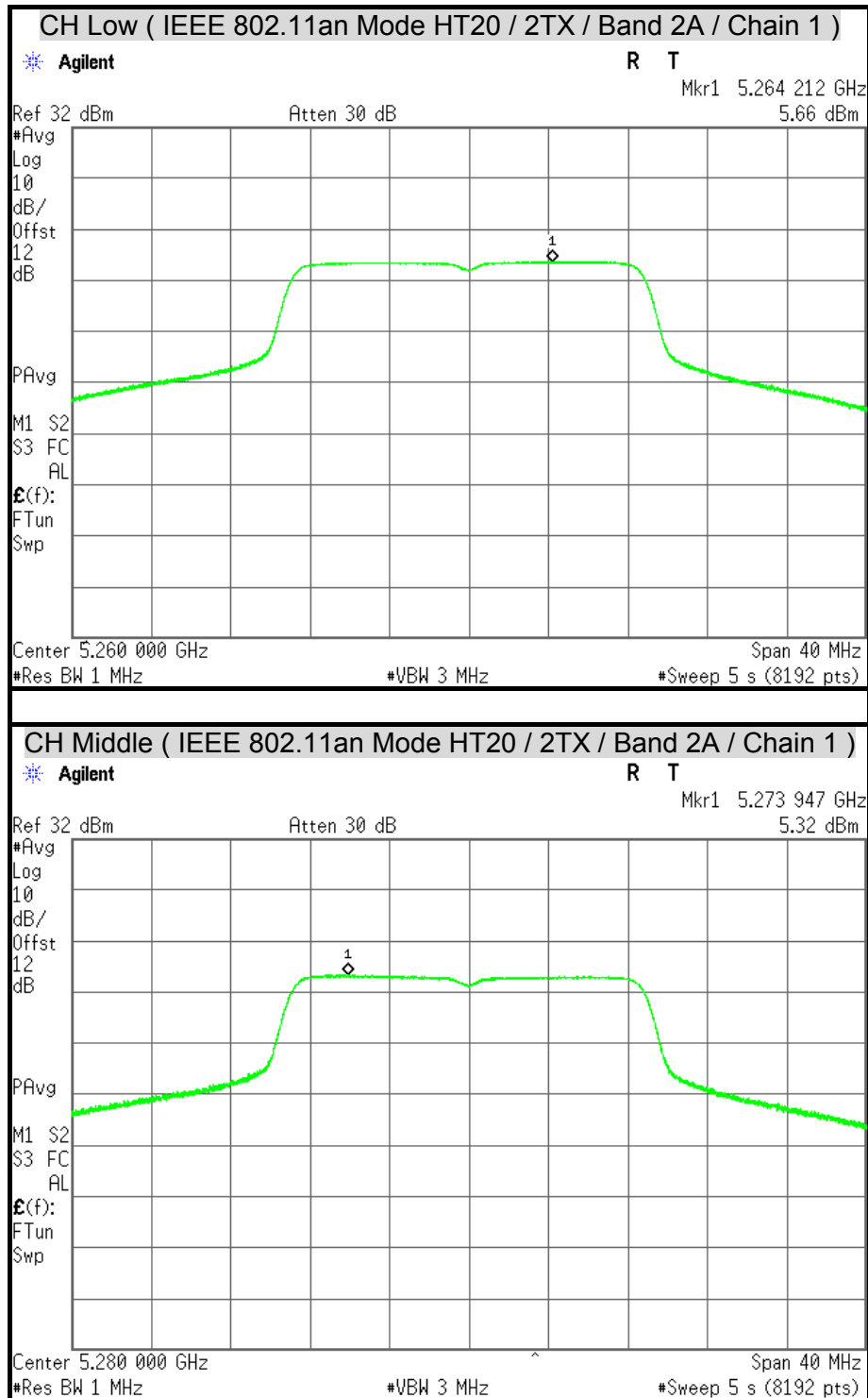
CH Middle (IEEE 802.11an Mode HT20 / 2TX / Band 1 / Chain 1)

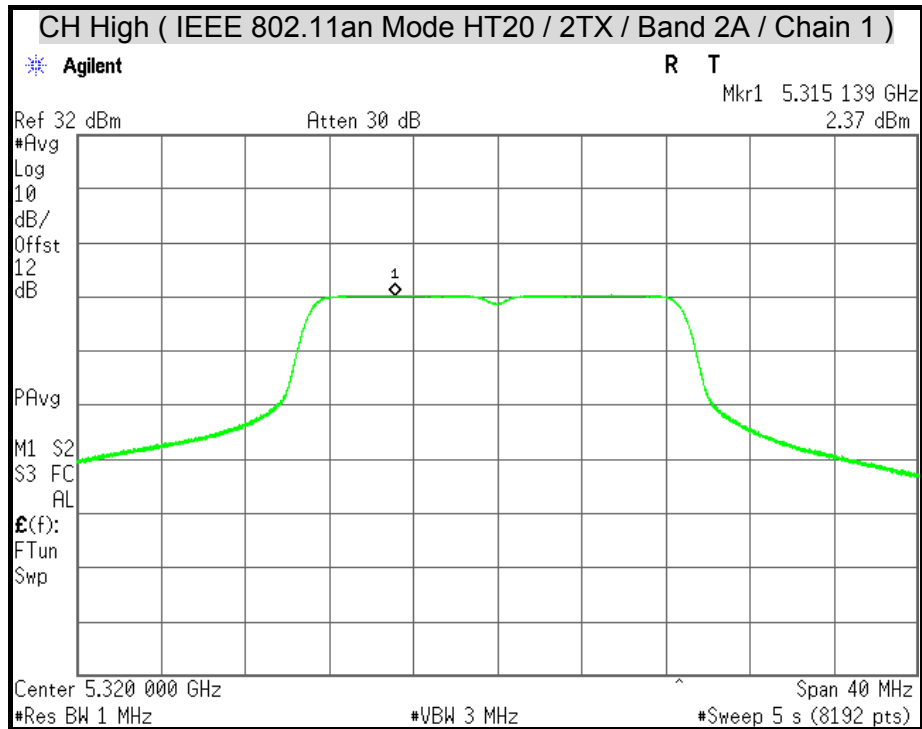


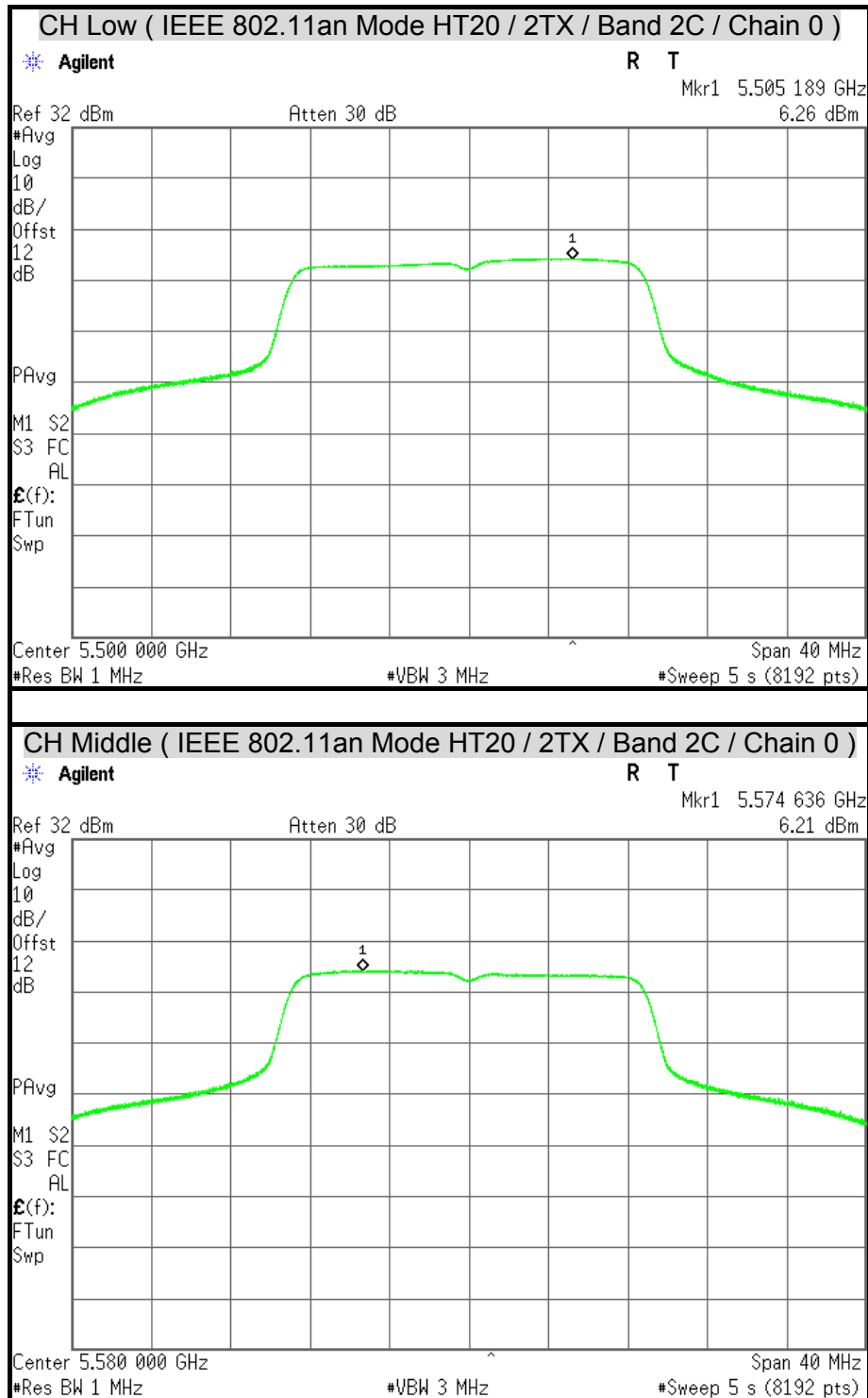


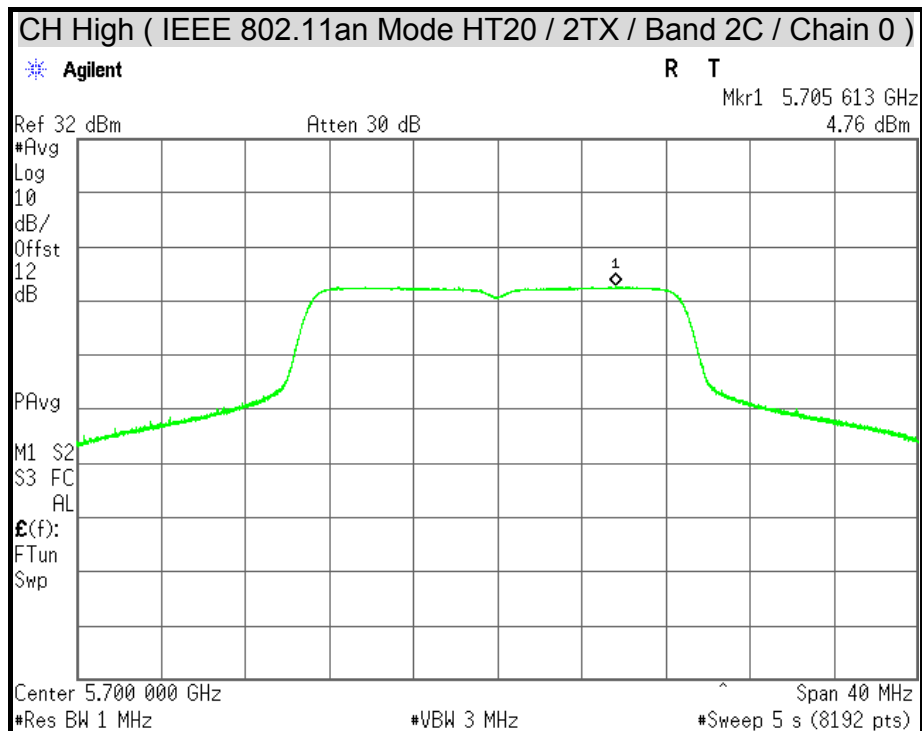


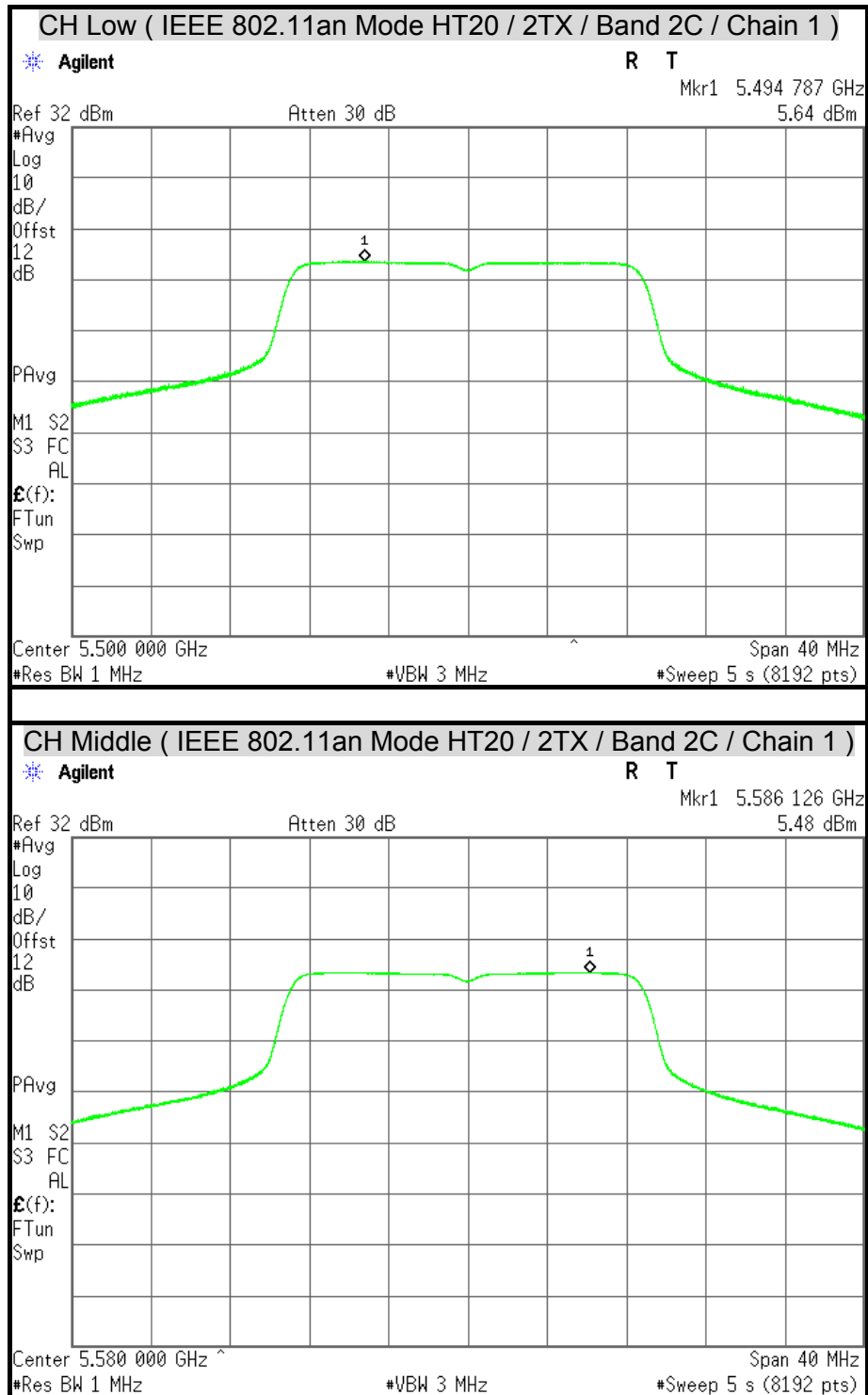


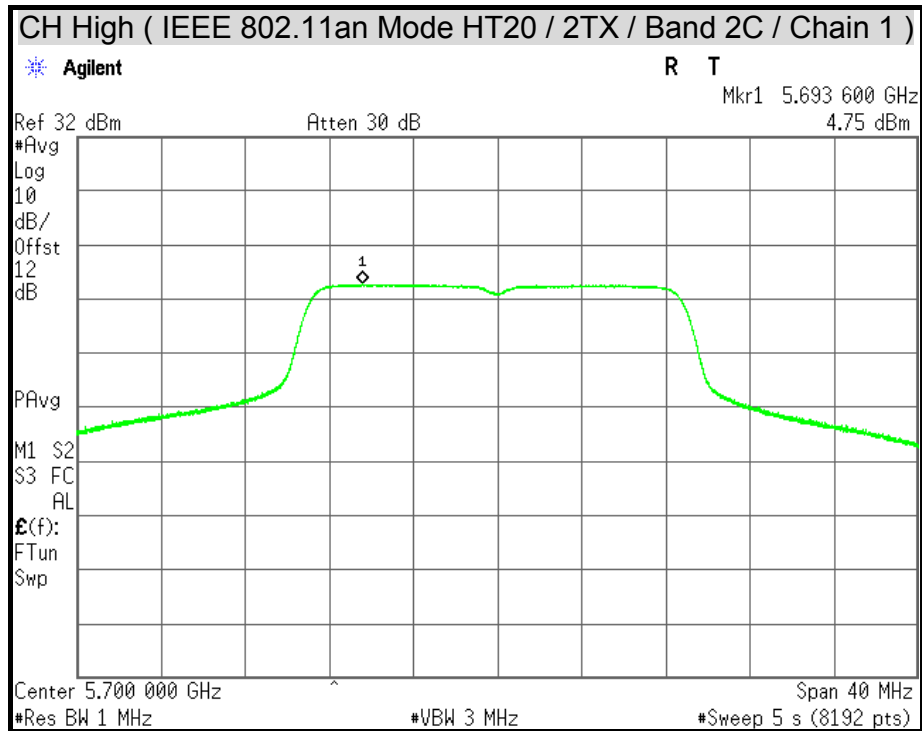






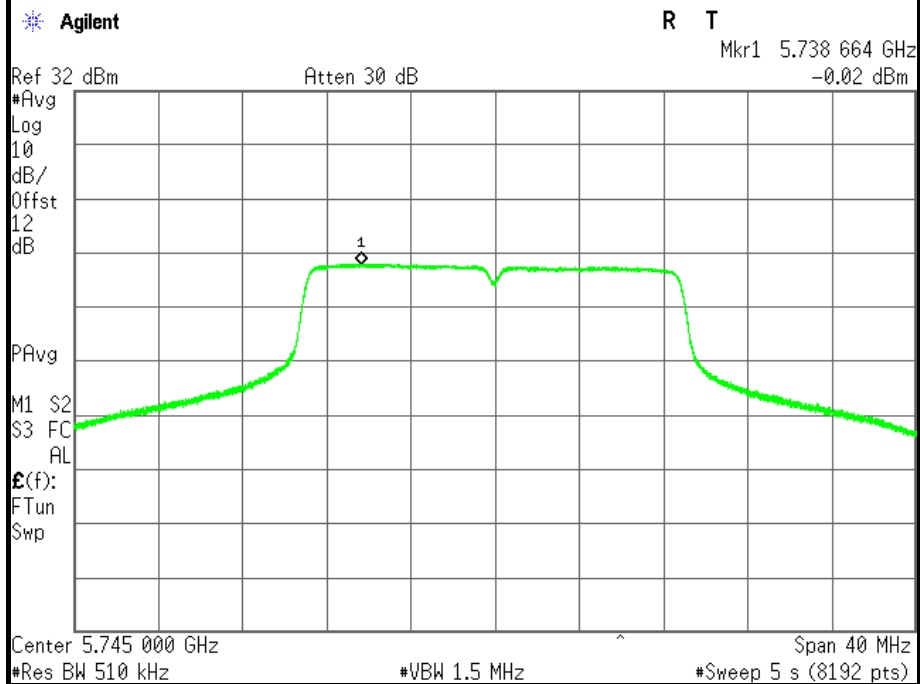




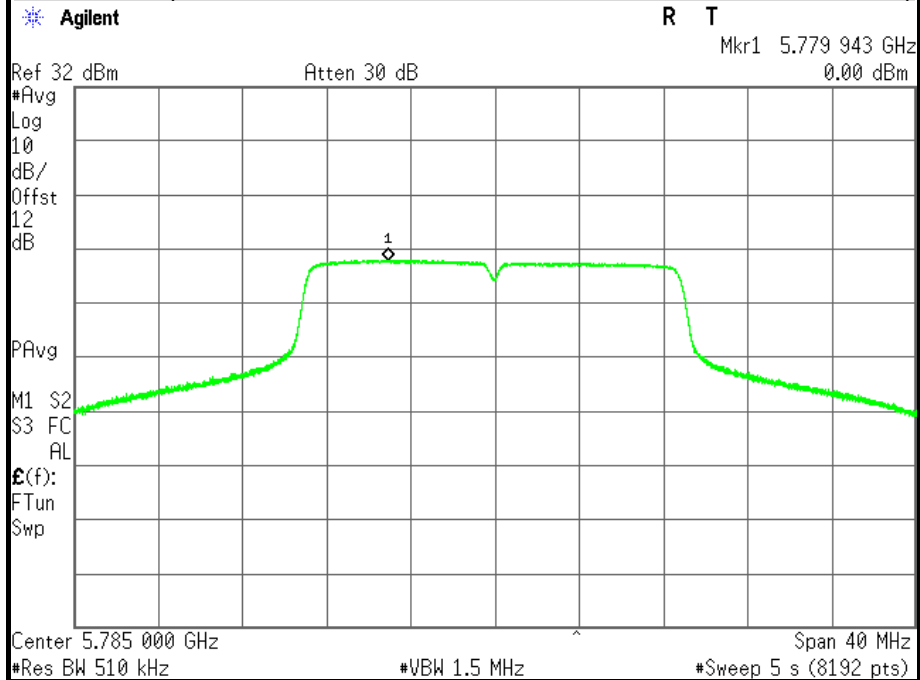


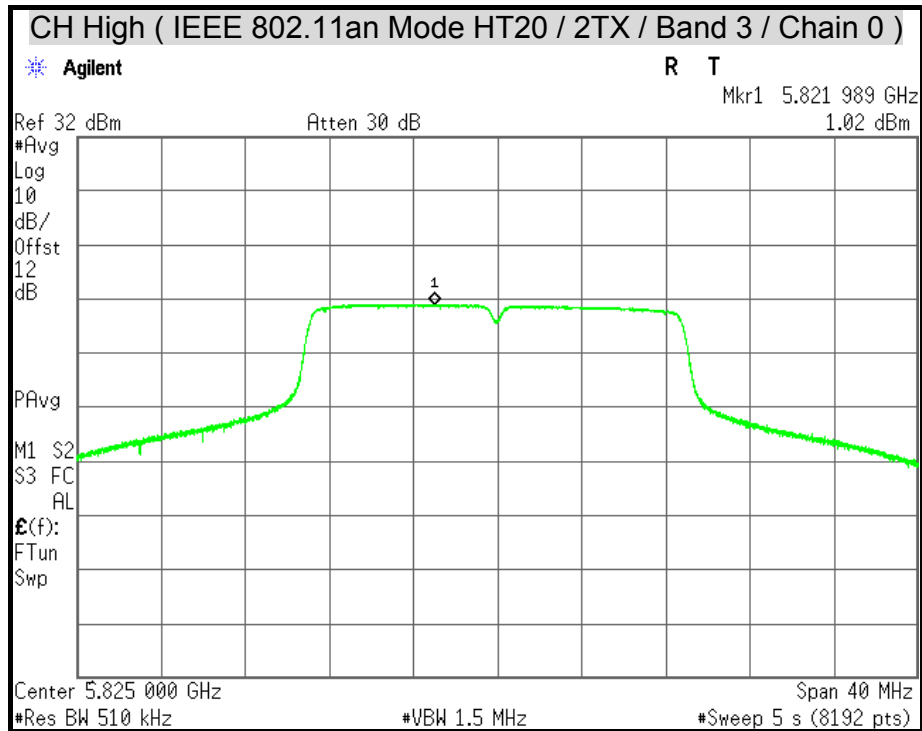


CH Low (IEEE 802.11an Mode HT20 / 2TX / Band 3 / Chain 0)



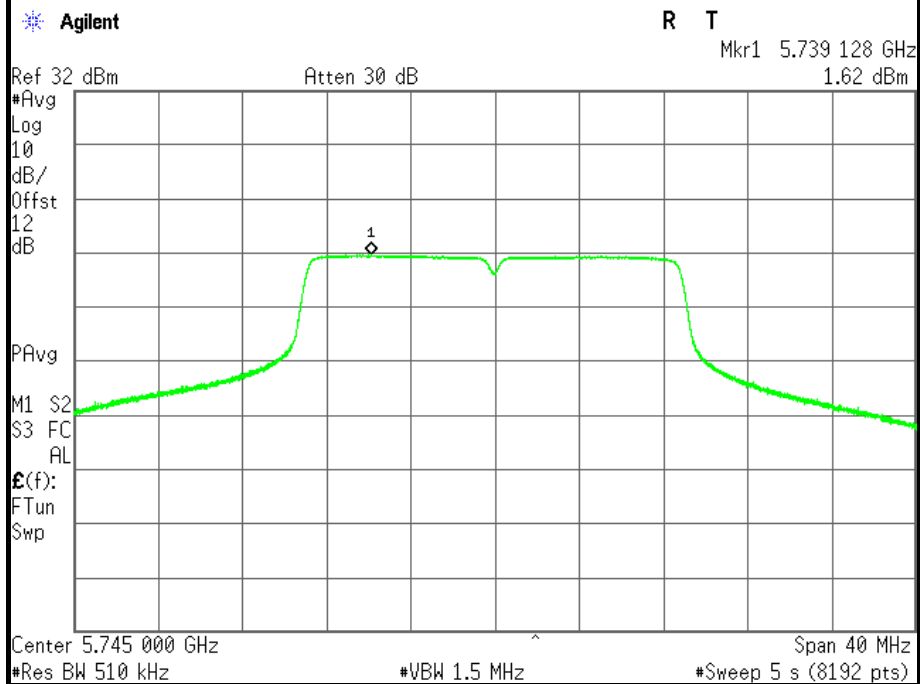
CH Middle (IEEE 802.11an Mode HT20 / 2TX / Band 3 / Chain 0)



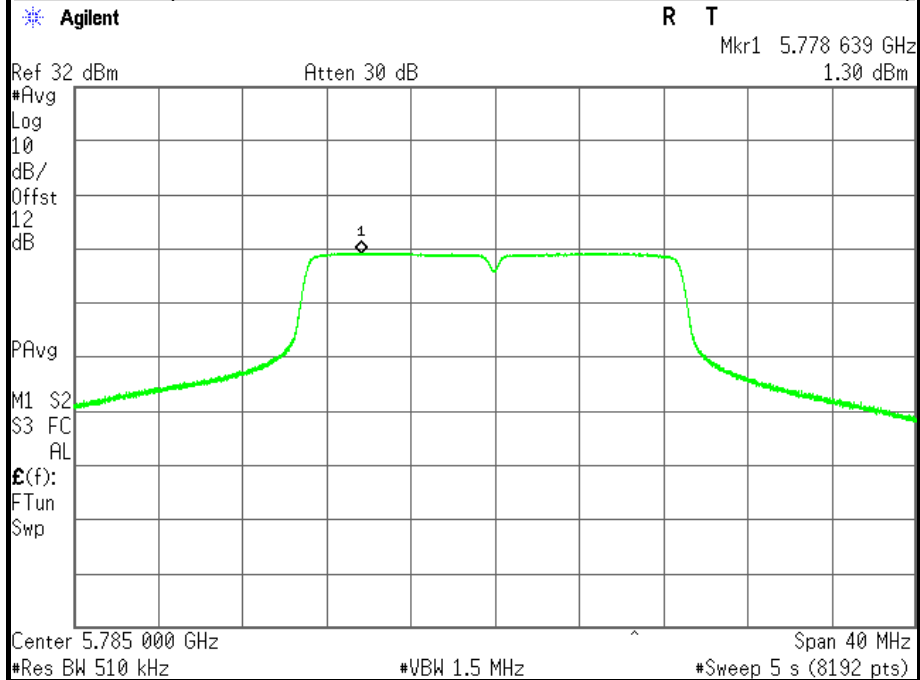


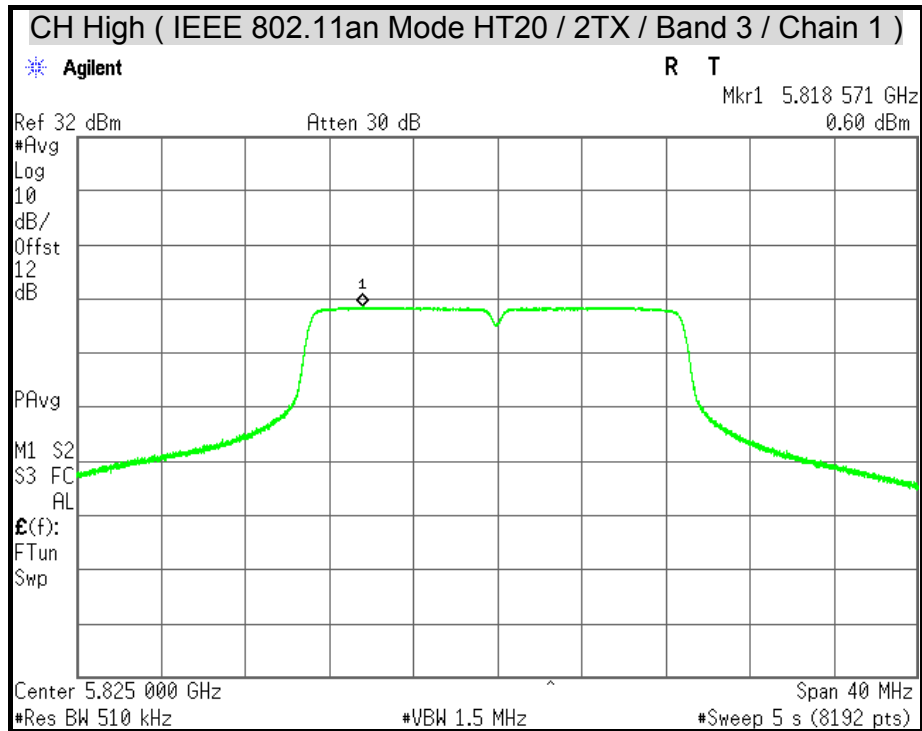


CH Low (IEEE 802.11an Mode HT20 / 2TX / Band 3 / Chain 1)



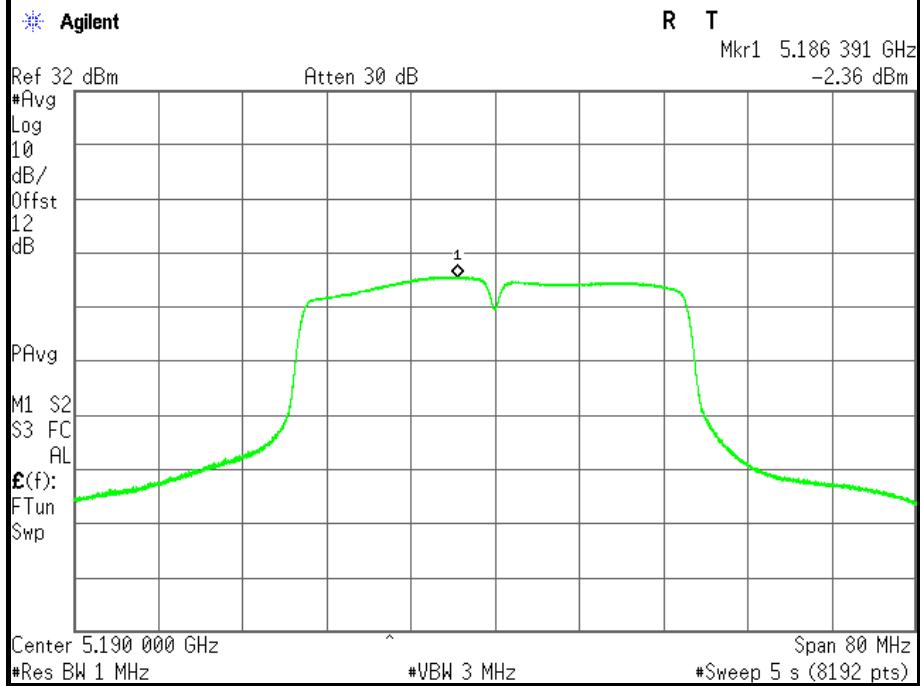
CH Middle (IEEE 802.11an Mode HT20 / 2TX / Band 3 / Chain 1)



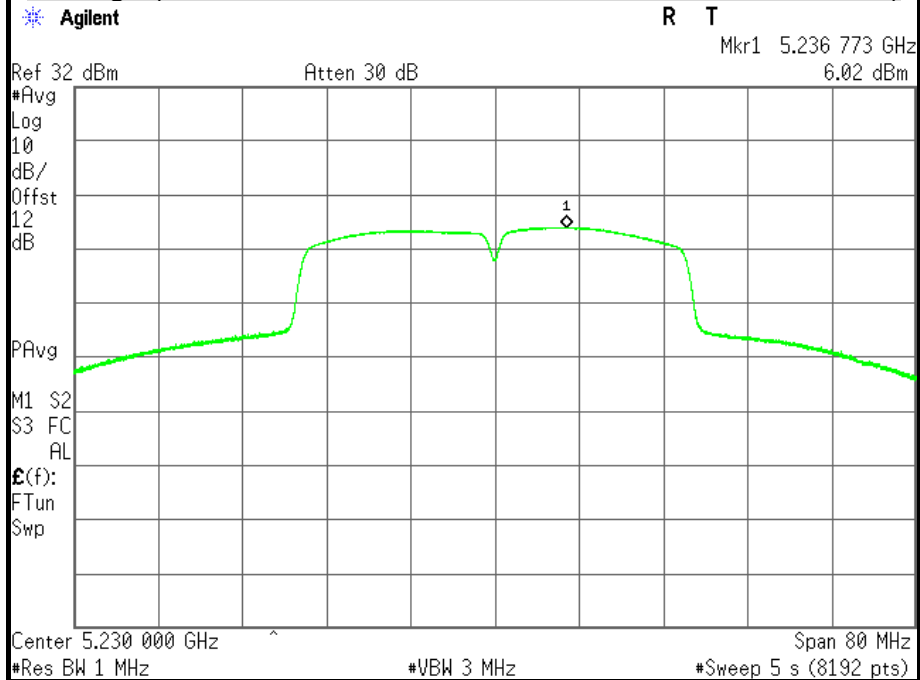




CH Low (IEEE 802.11an Mode HT40 / 2TX / Band 1 / Chain 0)

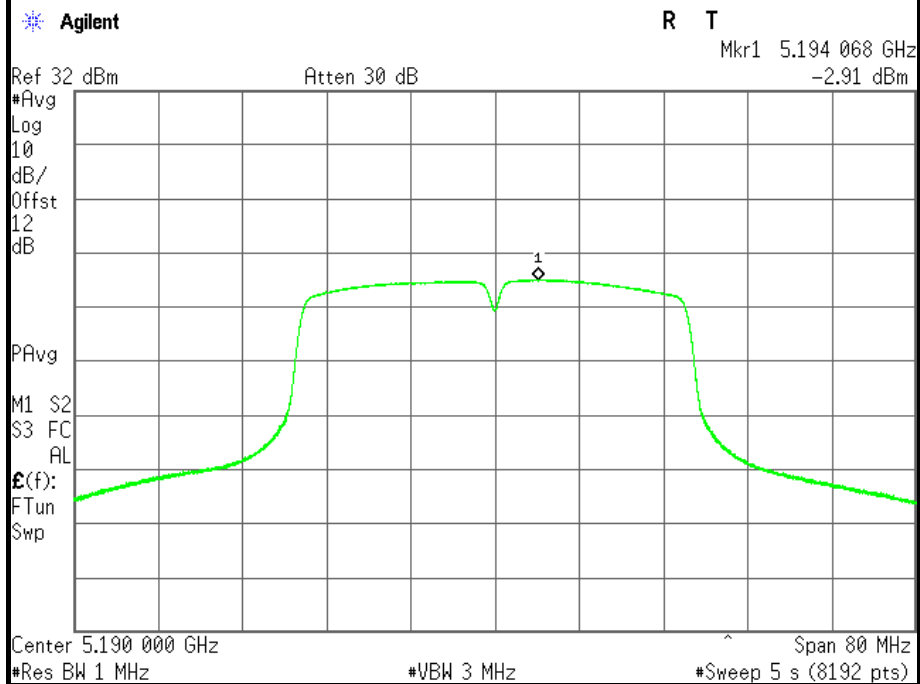


CH High (IEEE 802.11an Mode HT40 / 2TX / Band 1 / Chain 0)

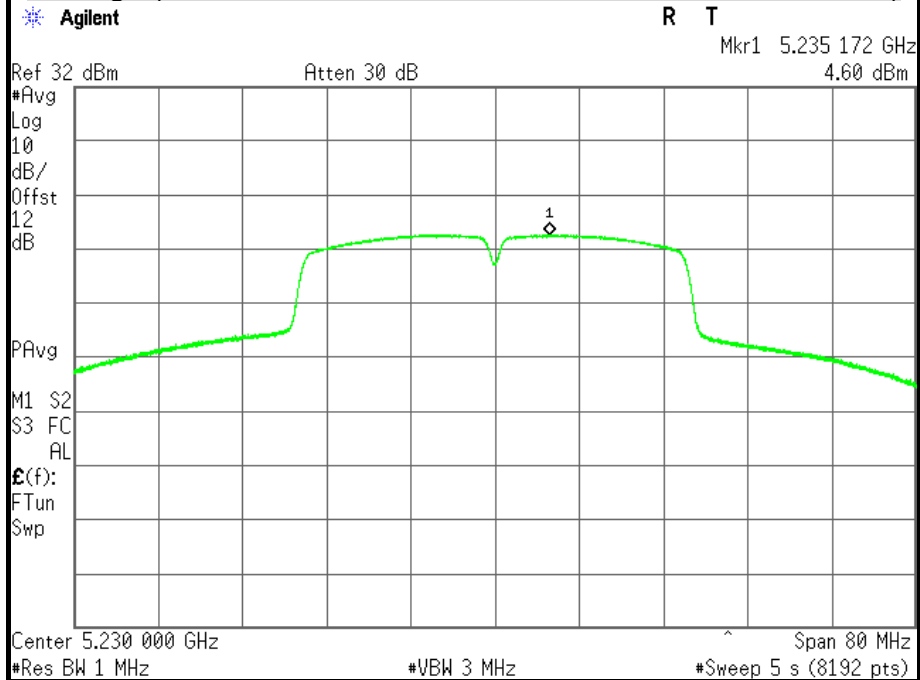


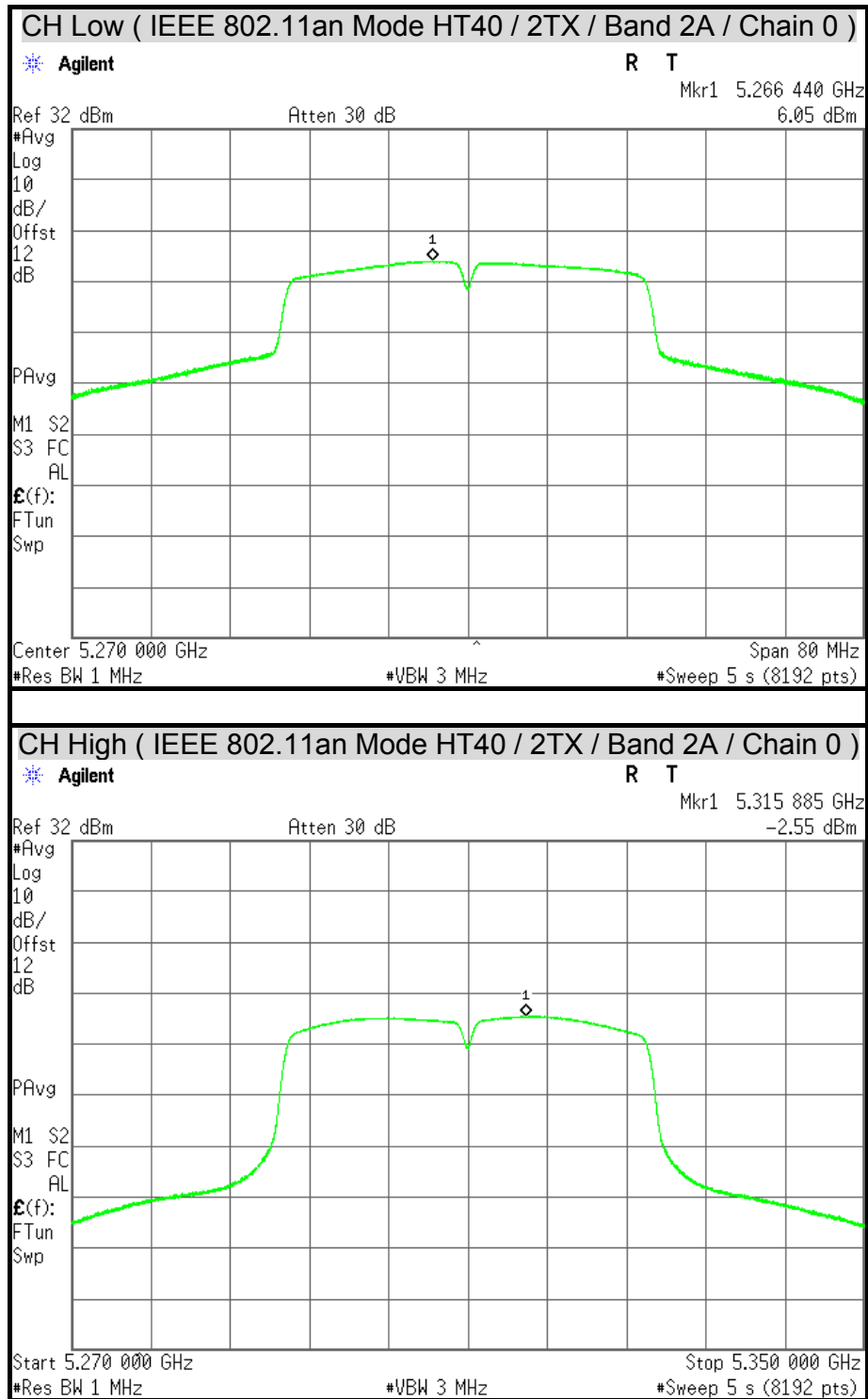


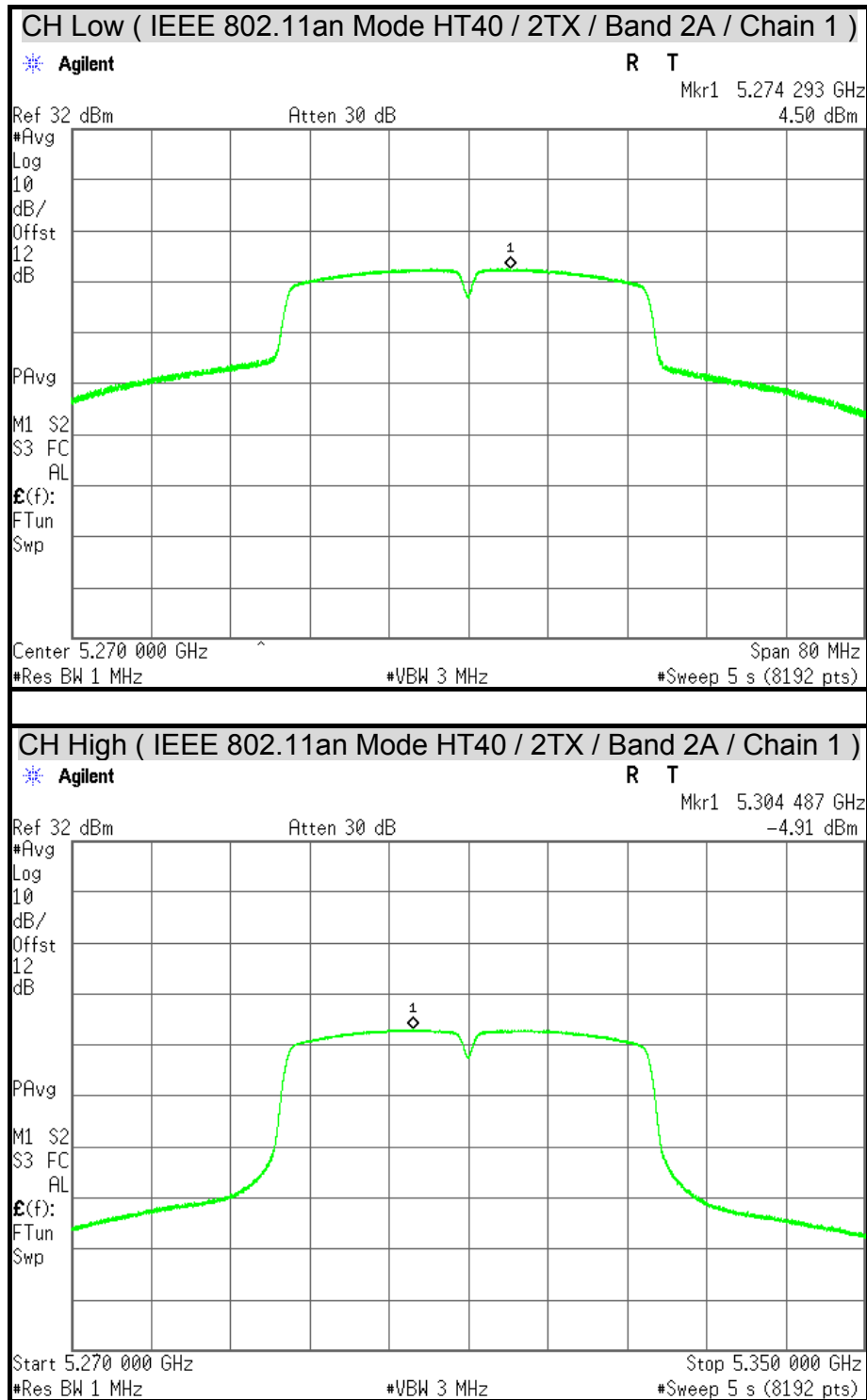
CH Low (IEEE 802.11an Mode HT40 / 2TX / Band 1 / Chain 1)

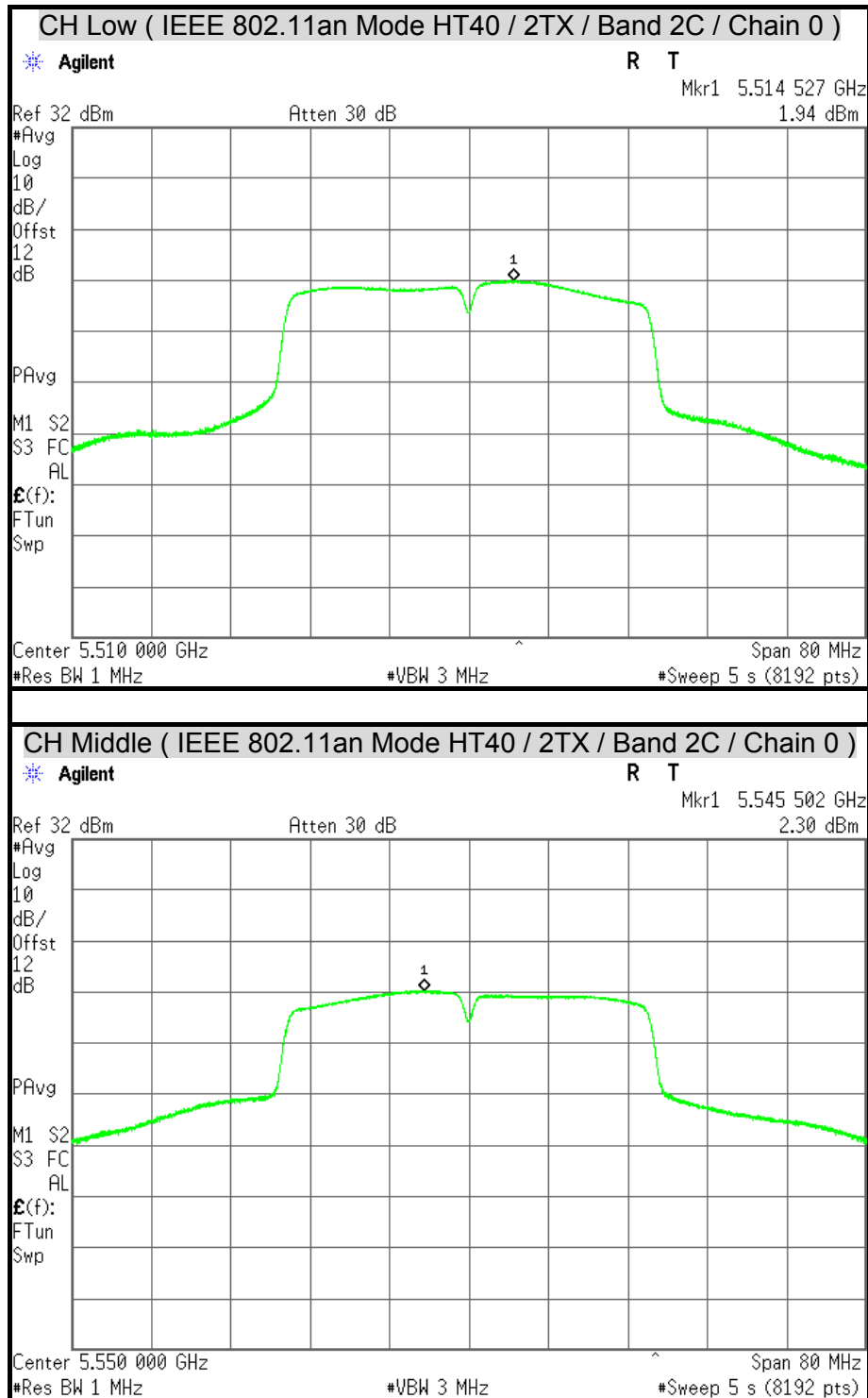


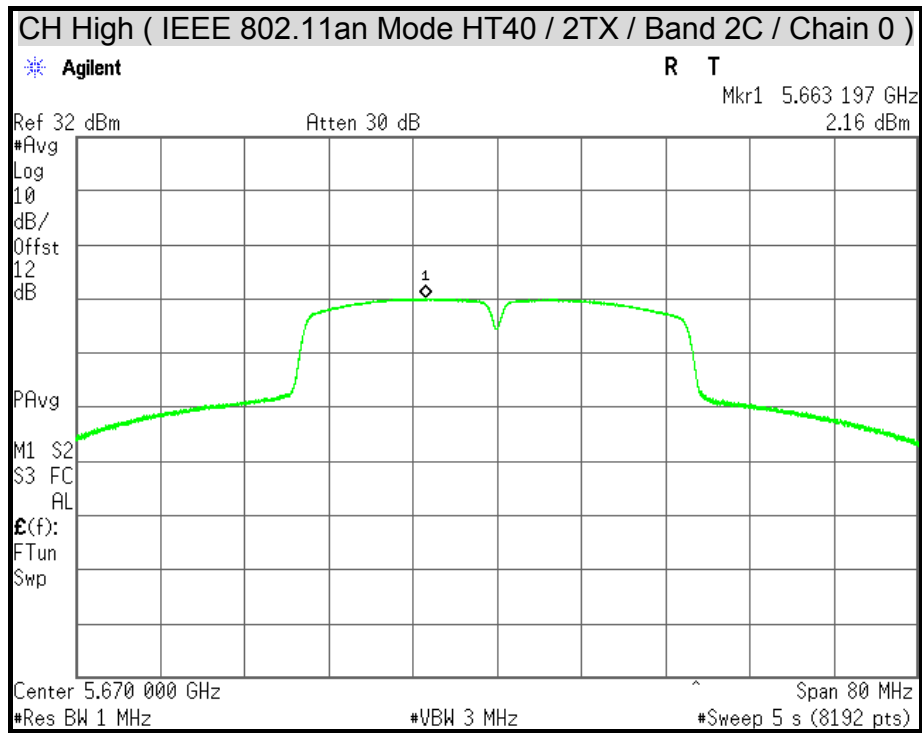
CH High (IEEE 802.11an Mode HT40 / 2TX / Band 1 / Chain 1)

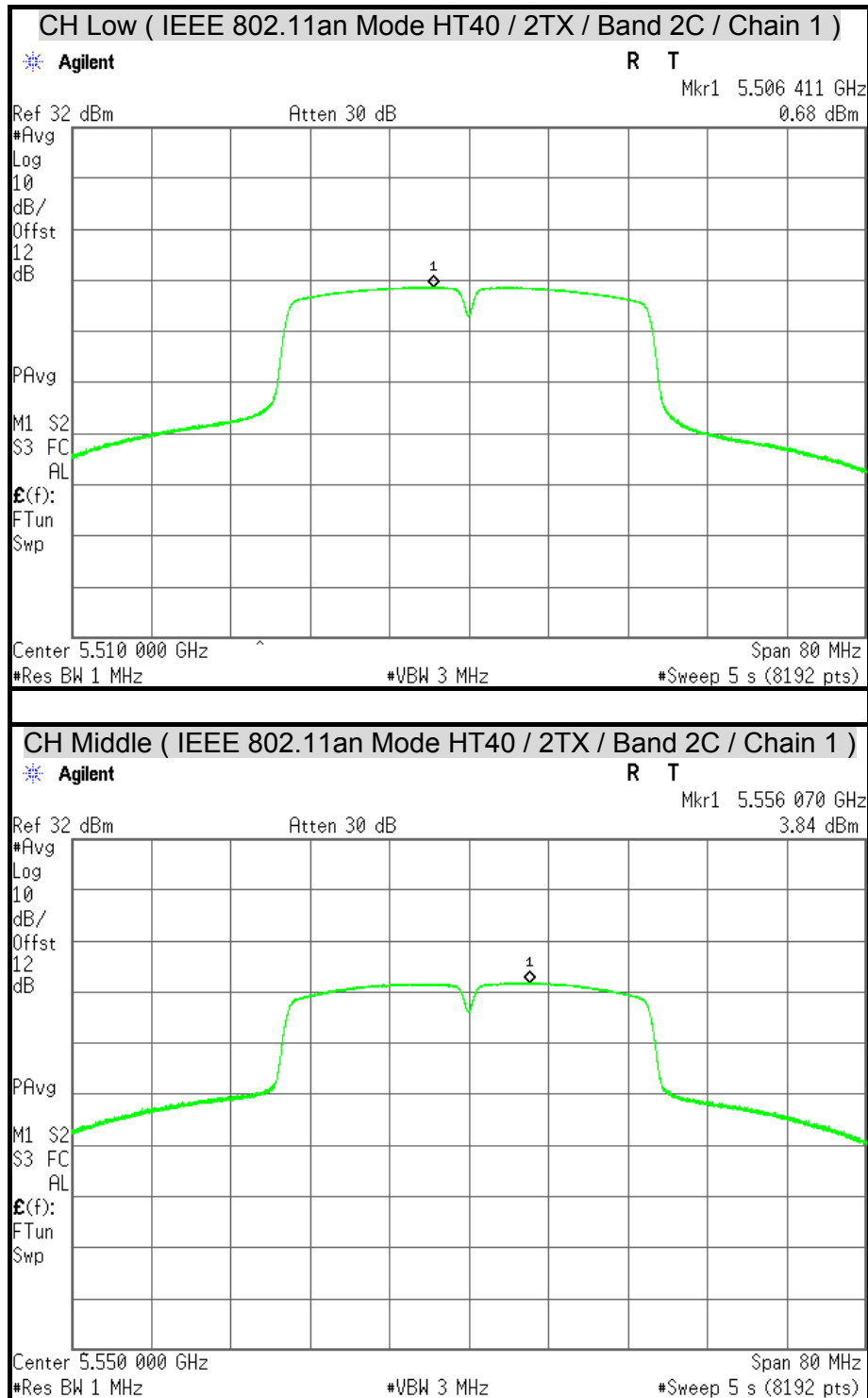


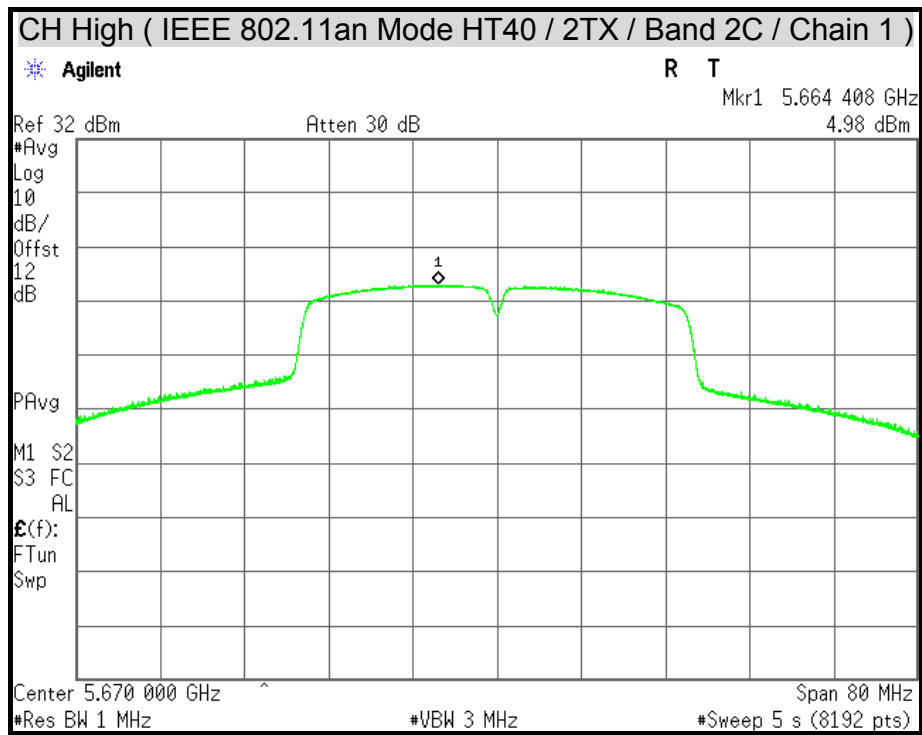






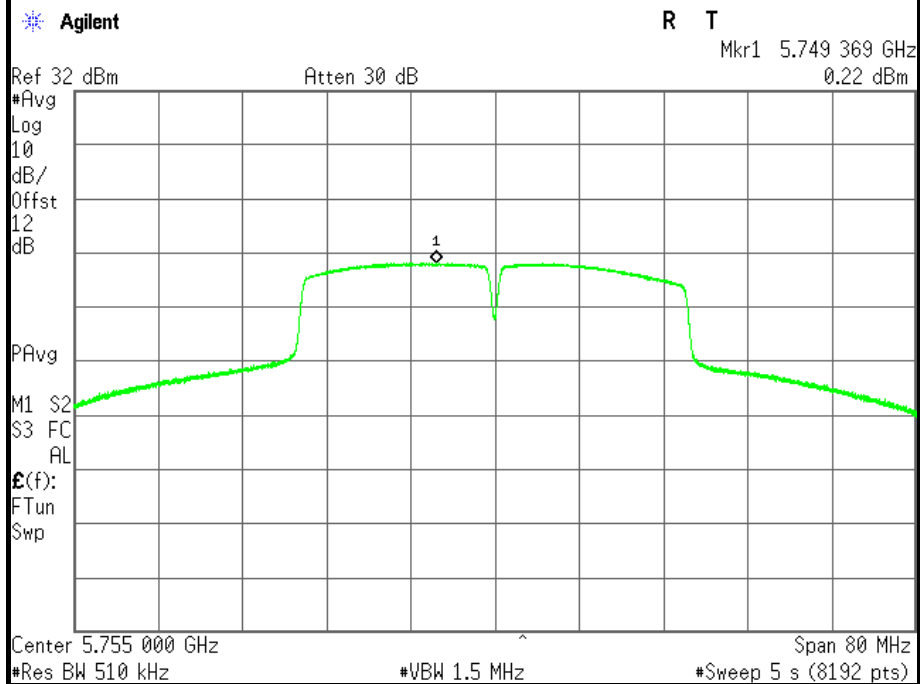




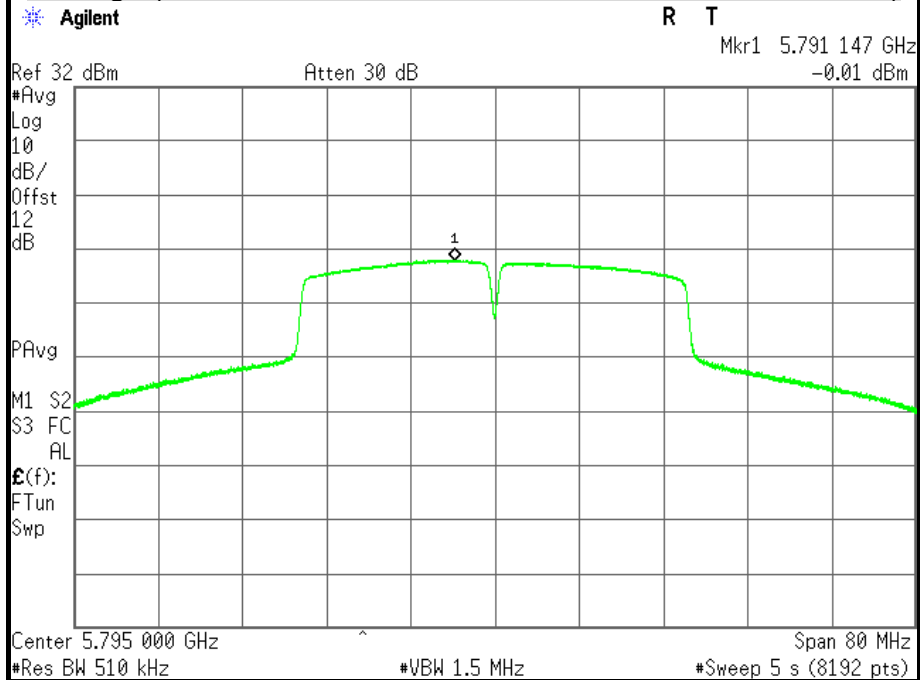




CH Low (IEEE 802.11an Mode HT40 / 2TX / Band 3 / Chain 0)

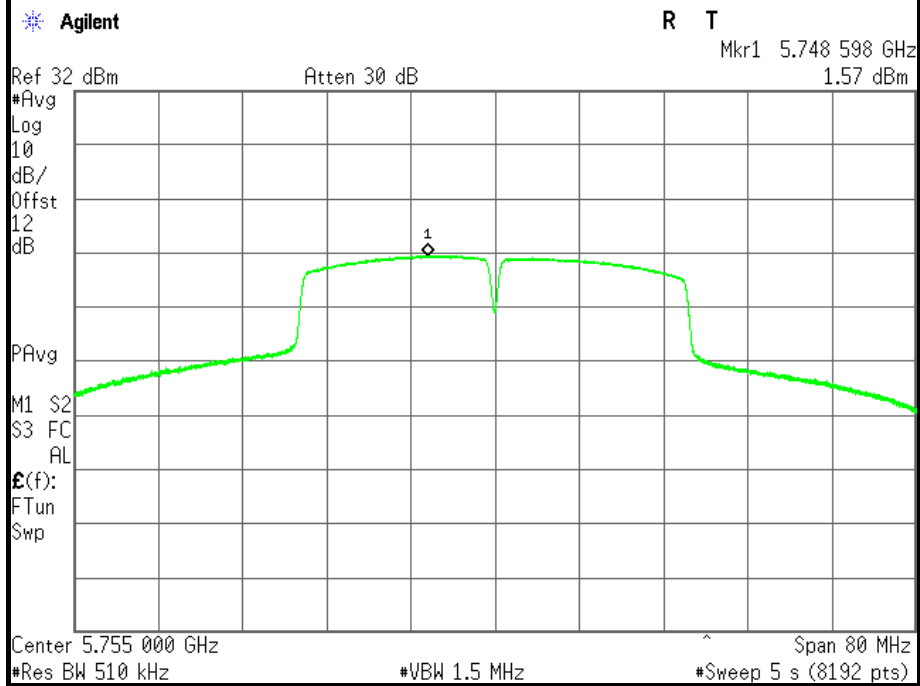


CH High (IEEE 802.11an Mode HT40 / 2TX / Band 3 / Chain 0)

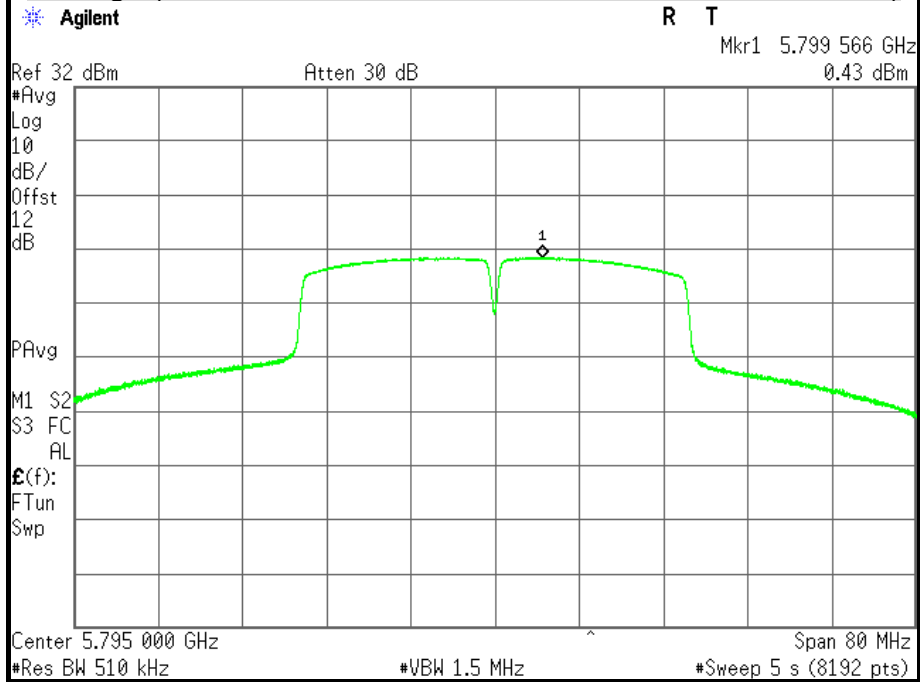




CH Low (IEEE 802.11an Mode HT40 / 2TX / Band 3 / Chain 1)



CH High (IEEE 802.11an Mode HT40 / 2TX / Band 3 / Chain 1)





7.5 RADIATED EMISSION

LIMITS

- (1) According to § 15.205 (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	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 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	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3338	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41			

Remark:

1. ¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
2. ² Above 38.6

- (2) According to § 15.205 (b) Except as provided in paragraphs (d) and (e) of this section, the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.



- (3) 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 (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.

- (4) According to § 15.209 (b) In the emission table above, the tighter limit applies at the band edges.

TEST EQUIPMENT

Radiated Emission / 966Chamber_B

Name of Equipment	Manufacture	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	MY46180323	04/15/2015
EMI Test Receiver	ROHDE & SCHWARZ	ESCS 30	835418/008	10/14/2015
Bi-log Antenna	SCHWARZBECK	VULB 9168	9168-250	08/21/2015
Broad-Band Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-778	08/19/2015
Double-Ridged Waveguide Horn	ETS-LINDGREN	3117	00078733	12/02/2015
Horn Antenna	COM-POWER	AH-840	03077	12/17/2015
Pre-Amplifier	Agilent	8447D	2944A10052	07/15/2015
Pre-Amplifier	Agilent	8449B	3008A01916	07/15/2015
LOOP Antenna	EMCO	6502	8905-2356	09/23/2015
Notch Filters Band Reject	Micro-Tronics	BRM05702-01	026	N.C.R.
Band Reject Filter	Micro-Tronics	BRC50703-01	004	N.C.R.
Band Reject Filter	Micro-Tronics	BRC50704-01	004	N.C.R.
Band Reject Filter	Micro-Tronics	BRC50705-01	007	N.C.R.

Remark: 1. Each piece of equipment is scheduled for calibration once a year.

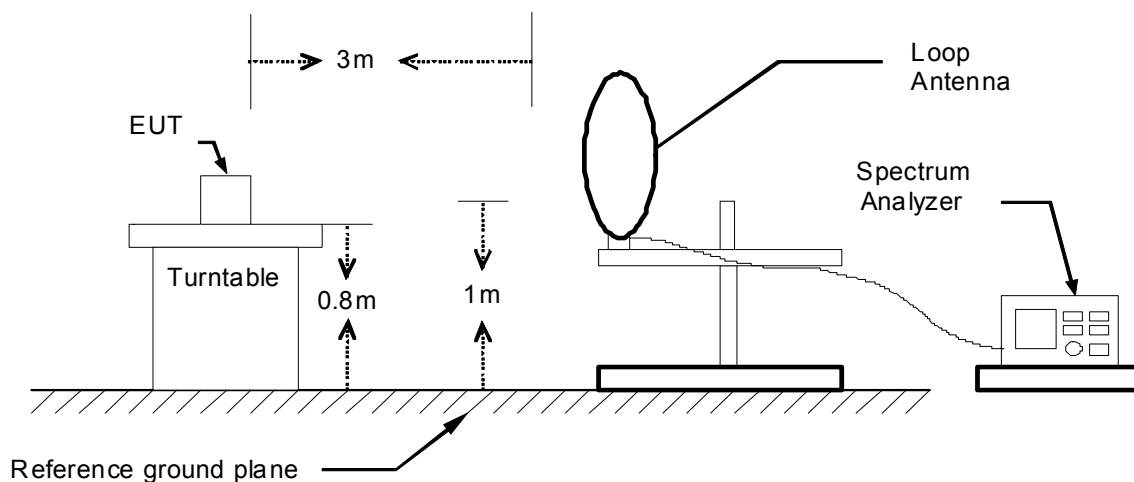
2. N.C.R = No Calibration Request.



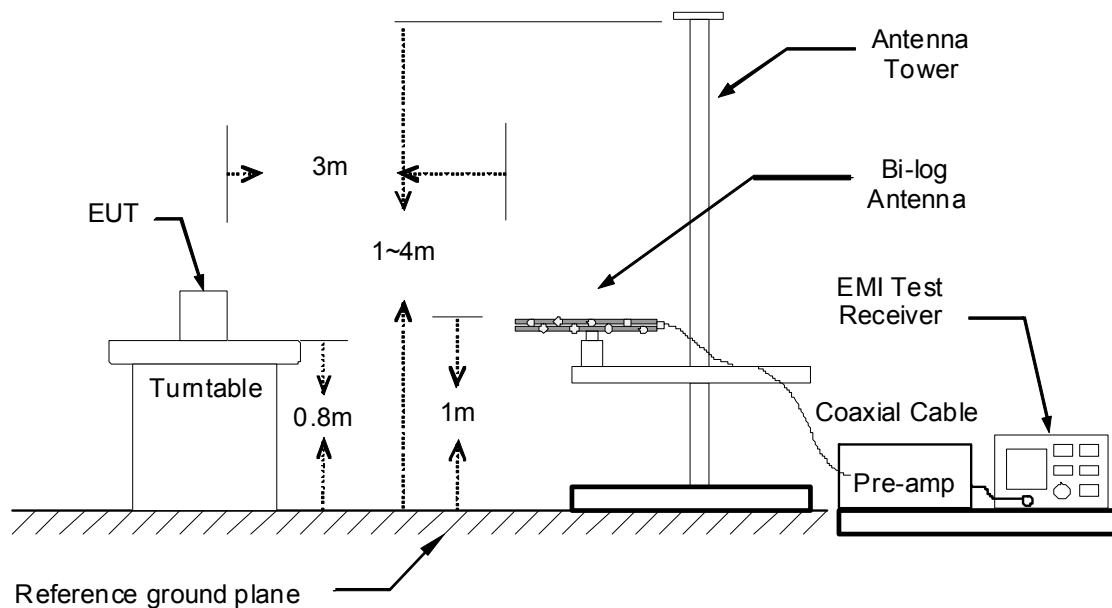
TEST SETUP

The diagram below shows the test setup that is utilized to make the measurements for emission below 1GHz.

9kHz ~ 30MHz

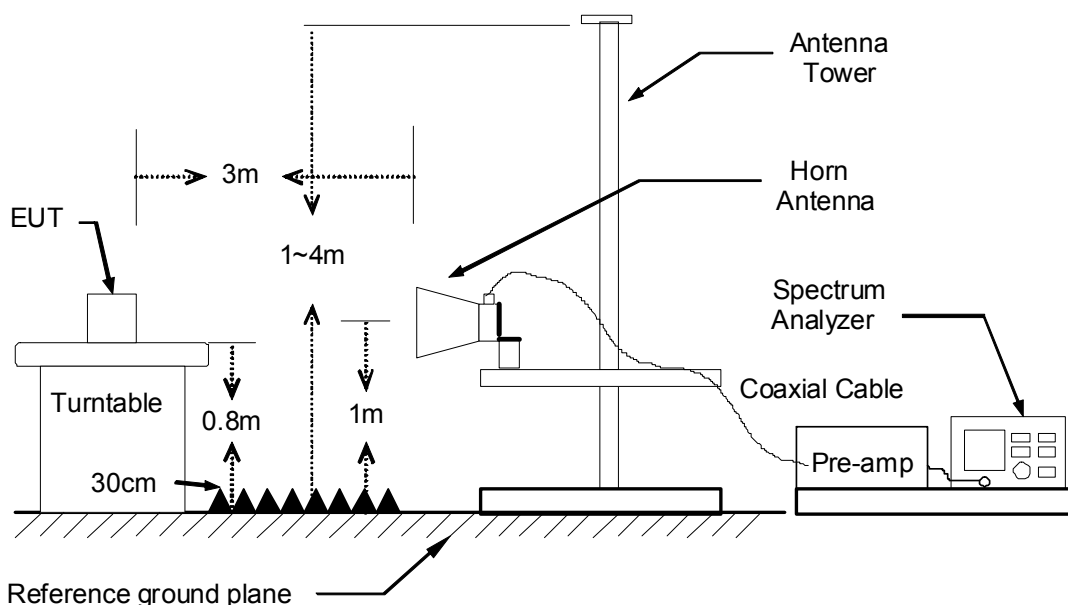


30MHz ~ 1GHz





The diagram below shows the test setup that is utilized to make the measurements for emission above 1GHz.



TEST PROCEDURE

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground. The table was rotated 360 degrees to determine the position of the highest radiation.
2. While measuring the radiated emission below 1GHz, the EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. While measuring the radiated emission above 1GHz, the EUT was set 3 meters away from the interference-receiving antenna.
3. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarization of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Remark :

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection and frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz for Average detection (AV) at frequency above 1GHz.

**TEST RESULTS****Below 1 GHz (9kHz ~ 30MHz)**

No emission found between lowest internal used/generated frequency to 30MHz.

Below 1 GHz (30MHz ~ 1GHz)

Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/11/06
Test Mode	TX Mode	Temp. & Humidity	24°C, 52%

966 Chamber_B at 3Meter / Horizontal						
Frequency (MHz)	Reading (dBμV)	Correction Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
93.05	48.24	-19.24	29.00	43.50	-14.50	Peak
299.66	44.27	-11.45	32.82	46.00	-13.18	Peak
500.45	53.06	-7.83	45.23	46.00	-0.77	QP
523.73	42.04	-7.49	34.55	46.00	-11.45	Peak
719.67	36.27	-4.00	32.27	46.00	-13.73	Peak
889.42	37.66	-1.03	36.63	46.00	-9.37	Peak
966 Chamber_B at 3Meter / Vertical						
Frequency (MHz)	Reading (dBμV)	Correction Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
51.34	42.74	-13.50	29.23	40.00	-10.77	Peak
91.11	52.07	-19.51	32.56	43.50	-10.94	Peak
500.45	50.70	-7.83	42.87	46.00	-3.13	Peak
526.64	38.49	-7.45	31.04	46.00	-14.96	Peak
900.09	41.75	-0.83	40.92	46.00	-5.08	Peak
942.77	34.01	-0.21	33.81	46.00	-12.19	Peak

Remark:

1. Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit.
2. 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.
3. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) – PreAmp.Gain (dB)
4. Result (dBμV/m) = Reading (dBμV) + Correction Factor (dB/m)
5. Margin (dB) = Remark result (dBμV/m) - Quasi-peak limit (dBμV/m).



Above 1 GHz

Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 1/ IEEE 802.11a (1TX) / CH Low	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1225.00	51.51	---	-2.04	49.46	---	74.00	54.00	-4.54	Peak
3760.00	42.55	---	6.00	48.55	---	74.00	54.00	-5.45	Peak
5395.00	40.18	---	10.18	50.36	---	74.00	54.00	-3.64	Peak
6264.00	37.03	---	12.65	49.69	---	74.00	54.00	-4.31	Peak
7656.00	38.31	---	13.20	51.51	---	74.00	54.00	-2.49	Peak
9084.00	36.74	---	15.29	52.02	---	74.00	54.00	-1.98	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1100.00	47.59	---	-2.06	45.53	---	74.00	54.00	-8.47	Peak
3150.00	42.65	---	5.04	47.69	---	74.00	54.00	-6.31	Peak
5365.00	40.41	---	10.06	50.47	---	74.00	54.00	-3.53	Peak
6348.00	37.87	---	12.62	50.48	---	74.00	54.00	-3.52	Peak
7824.00	38.79	---	13.69	52.48	---	74.00	54.00	-1.52	Peak
9072.00	36.75	---	15.27	52.02	---	74.00	54.00	-1.98	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 1/ IEEE 802.11a (1TX) / CH Middle	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal

Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3375.00	42.56	---	5.42	47.98	---	74.00	54.00	-6.02	Peak
4760.00	41.45	---	8.73	50.17	---	74.00	54.00	-3.83	Peak
5460.00	39.50	---	10.44	49.94	---	74.00	54.00	-4.06	Peak
6264.00	36.95	---	12.65	49.60	---	74.00	54.00	-4.40	Peak
7992.00	37.99	---	14.18	52.16	---	74.00	54.00	-1.84	Peak
9036.00	36.35	---	15.21	51.56	---	74.00	54.00	-2.44	Peak

966 Chamber_B at 3Meter / Vertical

Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3075.00	43.28	---	4.92	48.20	---	74.00	54.00	-5.80	Peak
4750.00	40.82	---	8.73	49.55	---	74.00	54.00	-4.45	AVG
5425.00	39.88	---	10.30	50.19	---	74.00	54.00	-3.81	Peak
6372.00	36.97	---	12.61	49.57	---	74.00	54.00	-4.43	Peak
7584.00	39.20	---	12.99	52.20	---	74.00	54.00	-1.80	Peak
9108.00	36.16	---	15.32	51.49	---	74.00	54.00	-2.51	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 1/ IEEE 802.11a (1TX) / CH High	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal

Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1245.00	50.30	---	-2.04	48.26	---	74.00	54.00	-5.74	Peak
4680.00	41.05	---	8.76	49.81	---	74.00	54.00	-4.19	Peak
5445.00	40.18	---	10.38	50.56	---	74.00	54.00	-3.44	Peak
6312.00	37.07	---	12.63	49.71	---	74.00	54.00	-4.29	Peak
7752.00	39.00	---	13.48	52.48	---	74.00	54.00	-1.52	Peak
9024.00	37.13	---	15.19	52.31	---	74.00	54.00	-1.69	Peak

966 Chamber_B at 3Meter / Vertical

Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3085.00	43.03	---	4.93	47.97	---	74.00	54.00	-6.03	Peak
4580.00	41.73	---	8.81	50.54	---	74.00	54.00	-3.46	Peak
5440.00	39.81	---	10.36	50.17	---	74.00	54.00	-3.83	Peak
6168.00	36.31	---	12.70	49.00	---	74.00	54.00	-5.00	Peak
7728.00	38.44	---	13.41	51.85	---	74.00	54.00	-2.15	Peak
9048.00	35.94	---	15.23	51.17	---	74.00	54.00	-2.83	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 1/ IEEE 802.11an HT20 (1TX) / CH Low	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3130.00	42.99	---	5.01	48.00	---	74.00	54.00	-6.00	Peak
3845.00	42.54	---	6.13	48.67	---	74.00	54.00	-5.33	Peak
5450.00	40.59	---	10.40	50.99	---	74.00	54.00	-3.01	Peak
6252.00	37.14	---	12.66	49.80	---	74.00	54.00	-4.20	Peak
7740.00	38.46	---	13.45	51.91	---	74.00	54.00	-2.09	Peak
9348.00	36.63	---	15.71	52.34	---	74.00	54.00	-1.66	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3105.00	42.88	---	4.97	47.84	---	74.00	54.00	-6.16	Peak
4295.00	41.46	---	7.83	49.28	---	74.00	54.00	-4.72	Peak
5360.00	40.09	---	10.04	50.13	---	74.00	54.00	-3.87	Peak
6360.00	37.93	---	12.61	50.55	---	74.00	54.00	-3.45	Peak
7680.00	38.39	---	13.27	51.66	---	74.00	54.00	-2.34	Peak
9264.00	36.45	---	15.58	52.03	---	74.00	54.00	-1.97	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 1/ IEEE 802.11an HT20 (1TX) / CH Middle	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3285.00	43.04	---	5.27	48.31	---	74.00	54.00	-5.69	Peak
4685.00	41.05	---	8.76	49.81	---	74.00	54.00	-4.19	Peak
5455.00	39.13	---	10.42	49.55	---	74.00	54.00	-4.45	Peak
6324.00	36.82	---	12.63	49.45	---	74.00	54.00	-4.55	Peak
7704.00	38.40	---	13.34	51.74	---	74.00	54.00	-2.26	Peak
9060.00	36.70	---	15.25	51.95	---	74.00	54.00	-2.05	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1100.00	48.31	---	-2.06	46.26	---	74.00	54.00	-7.74	Peak
4550.00	41.53	---	8.83	50.35	---	74.00	54.00	-3.65	Peak
5430.00	39.74	---	10.32	50.07	---	74.00	54.00	-3.93	Peak
6300.00	37.54	---	12.64	50.17	---	74.00	54.00	-3.83	Peak
7632.00	39.10	---	13.13	52.23	---	74.00	54.00	-1.77	Peak
9204.00	36.60	---	15.48	52.08	---	74.00	54.00	-1.92	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 1/ IEEE 802.11an HT20 (1TX) / CH High	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1235.00	50.00	---	-2.04	47.96	---	74.00	54.00	-6.04	Peak
4815.00	41.68	---	8.70	50.38	---	74.00	54.00	-3.62	Peak
5430.00	39.93	---	10.32	50.26	---	74.00	54.00	-3.74	Peak
6312.00	38.05	---	12.63	50.69	---	74.00	54.00	-3.31	Peak
7656.00	38.77	---	13.20	51.97	---	74.00	54.00	-2.03	Peak
9228.00	36.90	---	15.52	52.42	---	74.00	54.00	-1.58	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3120.00	43.04	---	4.99	48.03	---	74.00	54.00	-5.97	Peak
4680.00	40.78	---	8.76	49.54	---	74.00	54.00	-4.46	Peak
5350.00	40.32	---	10.00	50.32	---	74.00	54.00	-3.68	Peak
6636.00	37.73	---	12.96	50.69	---	74.00	54.00	-3.31	Peak
7656.00	38.35	---	13.20	51.55	---	74.00	54.00	-2.45	Peak
8952.00	37.32	---	15.19	52.50	---	74.00	54.00	-1.50	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 1/ IEEE 802.11an HT40 (1TX) / CH Low	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1210.00	50.02	---	-2.04	47.97	---	74.00	54.00	-6.03	Peak
3110.00	43.02	---	4.97	47.99	---	74.00	54.00	-6.01	Peak
5375.00	39.92	---	10.10	50.03	---	74.00	54.00	-3.97	Peak
6288.00	36.92	---	12.64	49.56	---	74.00	54.00	-4.44	Peak
7728.00	37.97	---	13.41	51.38	---	74.00	54.00	-2.62	Peak
9276.00	36.95	---	15.60	52.55	---	74.00	54.00	-1.45	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
2155.00	42.95	---	2.93	45.89	---	74.00	54.00	-8.11	Peak
3100.00	43.20	---	4.96	48.16	---	74.00	54.00	-5.84	Peak
5395.00	40.20	---	10.18	50.38	---	74.00	54.00	-3.62	Peak
6432.00	37.59	---	12.58	50.17	---	74.00	54.00	-3.83	Peak
7740.00	38.21	---	13.45	51.66	---	74.00	54.00	-2.34	Peak
8832.00	36.57	---	15.28	51.85	---	74.00	54.00	-2.15	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 1/ IEEE 802.11an HT40 (1TX) / CH High	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3300.00	43.42	---	5.29	48.72	---	74.00	54.00	-5.28	Peak
5150.00	51.49	39.57	9.21	60.70	48.78	74.00	54.00	-5.22	AVG
5355.00	41.16	---	10.02	51.18	---	74.00	54.00	-2.82	Peak
6240.00	37.04	---	12.66	49.70	---	74.00	54.00	-4.30	Peak
7764.00	38.85	---	13.52	52.37	---	74.00	54.00	-1.63	Peak
9060.00	36.87	---	15.25	52.11	---	74.00	54.00	-1.89	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3080.00	42.80	---	4.92	47.73	---	74.00	54.00	-6.27	Peak
5150.00	55.48	43.71	9.21	64.68	52.92	74.00	54.00	-1.08	AVG
5350.00	41.31	---	10.00	51.31	---	74.00	54.00	-2.69	Peak
6324.00	37.31	---	12.63	49.94	---	74.00	54.00	-4.06	Peak
7776.00	38.15	---	13.55	51.70	---	74.00	54.00	-2.30	Peak
8892.00	36.82	---	15.23	52.06	---	74.00	54.00	-1.94	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2A / IEEE 802.11a (1TX) / CH Low	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal

Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1510.00	49.98	---	-1.92	48.06	---	74.00	54.00	-5.94	Peak
4610.00	40.76	---	8.80	49.56	---	74.00	54.00	-4.44	Peak
5410.00	39.78	---	10.24	50.02	---	74.00	54.00	-3.98	Peak
6288.00	36.93	---	12.64	49.58	---	74.00	54.00	-4.42	Peak
7632.00	38.42	---	13.13	51.55	---	74.00	54.00	-2.45	Peak
9180.00	36.48	---	15.44	51.92	---	74.00	54.00	-2.08	Peak

966 Chamber_B at 3Meter / Vertical

Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3130.00	43.16	---	5.01	48.17	---	74.00	54.00	-5.83	Peak
4700.00	40.97	---	8.75	49.72	---	74.00	54.00	-4.28	Peak
5430.00	40.08	---	10.32	50.41	---	74.00	54.00	-3.59	Peak
6372.00	36.92	---	12.61	49.53	---	74.00	54.00	-4.47	Peak
7896.00	37.65	---	13.90	51.55	---	74.00	54.00	-2.45	Peak
9120.00	35.92	---	15.34	51.26	---	74.00	54.00	-2.74	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2A / IEEE 802.11a (1TX) / CH Middle	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3160.00	43.42	---	5.06	48.48	---	74.00	54.00	-5.52	Peak
4800.00	41.56	---	8.71	50.27	---	74.00	54.00	-3.73	Peak
5440.00	40.21	---	10.36	50.57	---	74.00	54.00	-3.43	Peak
6372.00	37.46	---	12.61	50.07	---	74.00	54.00	-3.93	Peak
7680.00	38.46	---	13.27	51.74	---	74.00	54.00	-2.26	Peak
8928.00	37.39	---	15.20	52.60	---	74.00	54.00	-1.40	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3190.00	43.35	---	5.11	48.46	---	74.00	54.00	-5.54	Peak
4655.00	41.03	---	8.78	49.81	---	74.00	54.00	-4.19	Peak
5420.00	40.57	---	10.28	50.85	---	74.00	54.00	-3.15	Peak
6252.00	36.53	---	12.66	49.19	---	74.00	54.00	-4.81	Peak
7656.00	38.13	---	13.20	51.34	---	74.00	54.00	-2.66	Peak
9096.00	36.47	---	15.31	51.77	---	74.00	54.00	-2.23	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2A / IEEE 802.11a (1TX) / CH High	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1225.00	50.24	---	-2.04	48.19	---	74.00	54.00	-5.81	Peak
3255.00	43.05	---	5.22	48.27	---	74.00	54.00	-5.73	Peak
4670.00	40.82	---	8.77	49.59	---	74.00	54.00	-4.41	Peak
6396.00	36.67	---	12.60	49.27	---	74.00	54.00	-4.73	Peak
7956.00	37.74	---	14.07	51.81	---	74.00	54.00	-2.19	Peak
9120.00	36.16	---	15.34	51.51	---	74.00	54.00	-2.49	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1100.00	48.71	---	-2.06	46.65	---	74.00	54.00	-7.35	Peak
3110.00	42.94	---	4.97	47.91	---	74.00	54.00	-6.09	Peak
4680.00	41.18	---	8.76	49.94	---	74.00	54.00	-4.06	Peak
6420.00	37.75	---	12.59	50.33	---	74.00	54.00	-3.67	Peak
7668.00	38.42	---	13.24	51.65	---	74.00	54.00	-2.35	Peak
9264.00	36.73	---	15.58	52.31	---	74.00	54.00	-1.69	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2A / IEEE 802.11an HT20 (1TX) / CH Low	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1500.00	50.21	---	-2.01	48.20	---	74.00	54.00	-5.80	Peak
4700.00	40.91	---	8.75	49.66	---	74.00	54.00	-4.34	Peak
5445.00	39.53	---	10.38	49.91	---	74.00	54.00	-4.09	Peak
6456.00	37.25	---	12.57	49.82	---	74.00	54.00	-4.18	Peak
7692.00	38.33	---	13.31	51.64	---	74.00	54.00	-2.36	Peak
9048.00	36.27	---	15.23	51.50	---	74.00	54.00	-2.50	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1100.00	46.85	---	-2.06	44.79	---	74.00	54.00	-9.21	Peak
4675.00	41.03	---	8.77	49.80	---	74.00	54.00	-4.20	Peak
5450.00	40.52	---	10.40	50.92	---	74.00	54.00	-3.08	AVG
6408.00	38.05	---	12.59	50.64	---	74.00	54.00	-3.36	Peak
7548.00	38.44	---	12.89	51.33	---	74.00	54.00	-2.67	Peak
9144.00	36.74	---	15.38	52.12	---	74.00	54.00	-1.88	Peak

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- Average test would be performed if the peak result were greater than the average limit.
- 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.
- 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.
- Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2A / IEEE 802.11an HT20 (1TX) / CH Middle	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1260.00	50.07	---	-2.04	48.03	---	74.00	54.00	-5.97	Peak
4670.00	40.99	---	8.77	49.75	---	74.00	54.00	-4.25	Peak
5350.00	46.91	36.18	10.00	56.91	46.18	74.00	54.00	-7.82	AVG
6396.00	37.44	---	12.60	50.04	---	74.00	54.00	-3.96	Peak
7992.00	38.00	---	14.18	52.18	---	74.00	54.00	-1.82	Peak
9072.00	36.08	---	15.27	51.35	---	74.00	54.00	-2.65	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3075.00	43.55	---	4.92	48.46	---	74.00	54.00	-5.54	Peak
4820.00	42.61	---	8.70	51.31	---	74.00	54.00	-2.69	Peak
5360.00	47.92	37.42	10.04	57.96	47.46	74.00	54.00	-6.54	AVG
6456.00	37.32	---	12.57	49.89	---	74.00	54.00	-4.11	Peak
7644.00	38.25	---	13.17	51.42	---	74.00	54.00	-2.58	Peak
9036.00	37.04	---	15.21	52.25	---	74.00	54.00	-1.75	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2A / IEEE 802.11an HT20 (1TX) / CH High	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1245.00	51.28	---	-2.04	49.24	---	74.00	54.00	-4.76	Peak
1500.00	50.71	---	-2.01	48.70	---	74.00	54.00	-5.30	Peak
4740.00	41.61	---	8.73	50.34	---	74.00	54.00	-3.66	Peak
6384.00	37.73	---	12.60	50.33	---	74.00	54.00	-3.67	Peak
7596.00	38.80	---	13.03	51.83	---	74.00	54.00	-2.17	Peak
9120.00	37.11	---	15.34	52.45	---	74.00	54.00	-1.55	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1100.00	49.10	---	-2.06	47.04	---	74.00	54.00	-6.96	Peak
4125.00	43.72	---	6.97	50.69	---	74.00	54.00	-3.31	Peak
4830.00	41.36	---	8.69	50.05	---	74.00	54.00	-3.95	Peak
6396.00	37.36	---	12.60	49.95	---	74.00	54.00	-4.05	Peak
7596.00	37.44	---	13.03	50.47	---	74.00	54.00	-3.53	Peak
9156.00	36.16	---	15.40	51.56	---	74.00	54.00	-2.44	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2A / IEEE 802.11an HT40 (1TX) / CH Low	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1240.00	49.68	---	-2.04	47.64	---	74.00	54.00	-6.36	Peak
4740.00	42.08	---	8.73	50.82	---	74.00	54.00	-3.18	Peak
5350.00	53.14	37.81	10.00	63.15	47.81	74.00	54.00	-6.19	AVG
6240.00	38.07	---	12.66	50.73	---	74.00	54.00	-3.27	Peak
7812.00	38.11	---	13.65	51.77	---	74.00	54.00	-2.23	Peak
9228.00	36.80	---	15.52	52.32	---	74.00	54.00	-1.68	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3710.00	42.96	---	5.93	48.89	---	74.00	54.00	-5.11	Peak
5150.00	45.79	35.52	9.21	55.00	44.73	74.00	54.00	-9.27	AVG
5350.00	58.91	42.76	10.00	68.91	52.76	74.00	54.00	-1.24	AVG
6444.00	37.20	---	12.57	49.77	---	74.00	54.00	-4.23	Peak
8004.00	37.45	---	14.21	51.66	---	74.00	54.00	-2.34	Peak
9048.00	36.59	---	15.23	51.81	---	74.00	54.00	-2.19	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2A / IEEE 802.11an HT40 (1TX) / CH High	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1245.00	49.52	---	-2.04	47.48	---	74.00	54.00	-6.52	Peak
3110.00	43.02	---	4.97	47.99	---	74.00	54.00	-6.01	Peak
4745.00	40.67	---	8.73	49.40	---	74.00	54.00	-4.60	Peak
6420.00	37.72	---	12.59	50.31	---	74.00	54.00	-3.69	Peak
7644.00	37.60	---	13.17	50.76	---	74.00	54.00	-3.24	Peak
9132.00	36.46	---	15.36	51.83	---	74.00	54.00	-2.17	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
2425.00	43.25	---	3.46	46.71	---	74.00	54.00	-7.29	Peak
3215.00	42.36	---	5.15	47.51	---	74.00	54.00	-6.49	Peak
4705.00	40.76	---	8.75	49.51	---	74.00	54.00	-4.49	Peak
6300.00	38.03	---	12.64	50.67	---	74.00	54.00	-3.33	Peak
7728.00	38.63	---	13.41	52.04	---	74.00	54.00	-1.96	Peak
9000.00	36.46	---	15.15	51.61	---	74.00	54.00	-2.39	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2C / IEEE 802.11a (1TX) / CH Low	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
2060.00	43.01	---	2.75	45.76	---	74.00	54.00	-8.24	Peak
3095.00	43.16	---	4.95	48.11	---	74.00	54.00	-5.89	Peak
4700.00	41.23	---	8.75	49.98	---	74.00	54.00	-4.02	Peak
6384.00	36.80	---	12.60	49.40	---	74.00	54.00	-4.60	Peak
7872.00	38.18	---	13.83	52.01	---	74.00	54.00	-1.99	Peak
9528.00	36.42	---	16.00	52.41	---	74.00	54.00	-1.59	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1100.00	47.66	---	-2.06	45.61	---	74.00	54.00	-8.39	Peak
3240.00	43.19	---	5.19	48.39	---	74.00	54.00	-5.61	Peak
4715.00	41.51	---	8.75	50.25	---	74.00	54.00	-3.75	Peak
6300.00	37.00	---	12.64	49.64	---	74.00	54.00	-4.36	Peak
7644.00	37.99	---	13.17	51.16	---	74.00	54.00	-2.84	Peak
9144.00	36.61	---	15.38	52.00	---	74.00	54.00	-2.00	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2C / IEEE 802.11a (1TX) / CH Middle	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3975.00	43.26	---	6.31	49.58	---	74.00	54.00	-4.42	Peak
4685.00	41.30	---	8.76	50.06	---	74.00	54.00	-3.94	Peak
5440.00	39.55	---	10.36	49.91	---	74.00	54.00	-4.09	Peak
6420.00	37.31	---	12.59	49.90	---	74.00	54.00	-4.10	Peak
7764.00	38.68	---	13.52	52.20	---	74.00	54.00	-1.80	Peak
8988.00	36.86	---	15.16	52.02	---	74.00	54.00	-1.98	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3130.00	42.90	---	5.01	47.90	---	74.00	54.00	-6.10	Peak
4755.00	41.71	---	8.73	50.43	---	74.00	54.00	-3.57	Peak
5460.00	40.16	---	10.44	50.60	---	74.00	54.00	-3.40	Peak
6300.00	37.36	---	12.64	49.99	---	74.00	54.00	-4.01	Peak
7812.00	37.90	---	13.65	51.56	---	74.00	54.00	-2.44	Peak
9048.00	36.50	---	15.23	51.73	---	74.00	54.00	-2.27	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2C / IEEE 802.11a (1TX) / CH High	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3125.00	42.47	---	5.00	47.47	---	74.00	54.00	-6.53	Peak
4560.00	40.97	---	8.82	49.79	---	74.00	54.00	-4.21	Peak
5405.00	39.81	---	10.22	50.03	---	74.00	54.00	-3.97	Peak
6348.00	36.74	---	12.62	49.35	---	74.00	54.00	-4.65	Peak
7896.00	37.71	---	13.90	51.61	---	74.00	54.00	-2.39	Peak
9276.00	36.84	---	15.60	52.44	---	74.00	54.00	-1.56	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3155.00	43.32	---	5.05	48.38	---	74.00	54.00	-5.62	Peak
4695.00	40.63	---	8.76	49.38	---	74.00	54.00	-4.62	Peak
5445.00	40.49	---	10.38	50.87	---	74.00	54.00	-3.13	Peak
6324.00	37.03	---	12.63	49.66	---	74.00	54.00	-4.34	Peak
7836.00	38.66	---	13.72	52.38	---	74.00	54.00	-1.62	Peak
8940.00	36.55	---	15.20	51.75	---	74.00	54.00	-2.25	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2C / IEEE 802.11an HT20 (1TX) / CH Low	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal

Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1240.00	50.78	---	-2.04	48.74	---	74.00	54.00	-5.26	Peak
1510.00	51.14	---	-1.92	49.22	---	74.00	54.00	-4.78	Peak
4790.00	41.55	---	8.71	50.26	---	74.00	54.00	-3.74	Peak
6312.00	36.52	---	12.63	49.16	---	74.00	54.00	-4.84	Peak
7836.00	37.97	---	13.72	51.70	---	74.00	54.00	-2.30	Peak
9360.00	36.86	---	15.73	52.59	---	74.00	54.00	-1.41	Peak

966 Chamber_B at 3Meter / Vertical

Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1100.00	48.71	---	-2.06	46.65	---	74.00	54.00	-7.35	Peak
3075.00	43.86	---	4.92	48.78	---	74.00	54.00	-5.22	Peak
4585.00	41.18	---	8.81	49.99	---	74.00	54.00	-4.01	Peak
6348.00	38.33	---	12.62	50.95	---	74.00	54.00	-3.05	Peak
7884.00	37.75	---	13.86	51.62	---	74.00	54.00	-2.38	Peak
9084.00	37.04	---	15.29	52.33	---	74.00	54.00	-1.67	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2C / IEEE 802.11an HT20 (1TX) / CH Middle	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3065.00	43.72	---	4.90	48.62	---	74.00	54.00	-5.38	Peak
4700.00	41.32	---	8.75	50.07	---	74.00	54.00	-3.93	Peak
5420.00	40.78	---	10.28	51.07	---	74.00	54.00	-2.93	Peak
6360.00	37.65	---	12.61	50.26	---	74.00	54.00	-3.74	Peak
7704.00	38.47	---	13.34	51.81	---	74.00	54.00	-2.19	Peak
8892.00	36.72	---	15.23	51.96	---	74.00	54.00	-2.04	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3175.00	43.18	---	5.08	48.26	---	74.00	54.00	-5.74	Peak
4635.00	41.24	---	8.79	50.02	---	74.00	54.00	-3.98	Peak
5395.00	39.96	---	10.18	50.14	---	74.00	54.00	-3.86	Peak
6372.00	36.53	---	12.61	49.13	---	74.00	54.00	-4.87	Peak
7788.00	38.33	---	13.59	51.92	---	74.00	54.00	-2.08	Peak
9144.00	36.19	---	15.38	51.57	---	74.00	54.00	-2.43	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2C / IEEE 802.11an HT20 (1TX) / CH High	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1240.00	50.90	---	-2.04	48.85	---	74.00	54.00	-5.15	Peak
4650.00	40.75	---	8.78	49.53	---	74.00	54.00	-4.47	Peak
5390.00	40.32	---	10.16	50.48	---	74.00	54.00	-3.52	Peak
6216.00	37.45	---	12.67	50.12	---	74.00	54.00	-3.88	Peak
7728.00	38.54	---	13.41	51.95	---	74.00	54.00	-2.05	Peak
9192.00	36.91	---	15.46	52.37	---	74.00	54.00	-1.63	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1100.00	48.38	---	-2.06	46.32	---	74.00	54.00	-7.68	Peak
4670.00	42.50	---	8.77	51.27	---	74.00	54.00	-2.73	Peak
5380.00	41.01	---	10.12	51.13	---	74.00	54.00	-2.87	Peak
6444.00	37.76	---	12.57	50.33	---	74.00	54.00	-3.67	Peak
7884.00	37.59	---	13.86	51.45	---	74.00	54.00	-2.55	Peak
8928.00	36.72	---	15.20	51.93	---	74.00	54.00	-2.07	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2C / IEEE 802.11an HT40 (1TX) / CH Low	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1230.00	50.25	---	-2.04	48.21	---	74.00	54.00	-5.79	Peak
3115.00	42.60	---	4.98	47.58	---	74.00	54.00	-6.42	Peak
4705.00	40.81	---	8.75	49.56	---	74.00	54.00	-4.44	Peak
6384.00	37.03	---	12.60	49.63	---	74.00	54.00	-4.37	Peak
7656.00	38.51	---	13.20	51.71	---	74.00	54.00	-2.29	Peak
9204.00	36.86	---	15.48	52.34	---	74.00	54.00	-1.66	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
2360.00	43.03	---	3.34	46.37	---	74.00	54.00	-7.63	Peak
3085.00	43.17	---	4.93	48.10	---	74.00	54.00	-5.90	Peak
4730.00	40.84	---	8.74	49.58	---	74.00	54.00	-4.42	Peak
6312.00	37.06	---	12.63	49.69	---	74.00	54.00	-4.31	Peak
7116.00	38.80	---	13.76	52.57	---	74.00	54.00	-1.43	Peak
7836.00	38.18	---	13.72	51.90	---	74.00	54.00	-2.10	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2C / IEEE 802.11an HT40 (1TX) / CH Middle	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1245.00	50.27	---	-2.04	48.23	---	74.00	54.00	-5.77	Peak
4705.00	40.81	---	8.75	49.56	---	74.00	54.00	-4.44	Peak
5460.00	49.00	39.47	10.44	59.44	49.91	74.00	54.00	-4.09	AVG
6468.00	37.64	---	12.56	50.21	---	74.00	54.00	-3.79	Peak
7704.00	38.69	---	13.34	52.03	---	74.00	54.00	-1.97	Peak
9156.00	37.09	---	15.40	52.49	---	74.00	54.00	-1.51	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3100.00	43.17	---	4.96	48.13	---	74.00	54.00	-5.87	Peak
4845.00	41.57	---	8.68	50.25	---	74.00	54.00	-3.75	Peak
5460.00	51.10	41.32	10.44	61.55	51.76	74.00	54.00	-2.24	AVG
6204.00	38.09	---	12.68	50.77	---	74.00	54.00	-3.23	Peak
7704.00	38.63	---	13.34	51.97	---	74.00	54.00	-2.03	Peak
8856.00	36.90	---	15.26	52.16	---	74.00	54.00	-1.84	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 2C / IEEE 802.11an HT40 (1TX) / CH High	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1240.00	50.41	---	-2.04	48.37	---	74.00	54.00	-5.63	Peak
4685.00	40.95	---	8.76	49.71	---	74.00	54.00	-4.29	Peak
5440.00	39.50	---	10.36	49.86	---	74.00	54.00	-4.14	Peak
6360.00	38.25	---	12.61	50.86	---	74.00	54.00	-3.14	Peak
7800.00	38.22	---	13.62	51.84	---	74.00	54.00	-2.16	Peak
8952.00	36.41	---	15.19	51.60	---	74.00	54.00	-2.40	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3065.00	43.16	---	4.90	48.06	---	74.00	54.00	-5.94	Peak
4670.00	41.54	---	8.77	50.31	---	74.00	54.00	-3.69	Peak
5430.00	40.14	---	10.32	50.46	---	74.00	54.00	-3.54	Peak
6372.00	37.11	---	12.61	49.72	---	74.00	54.00	-4.28	Peak
7656.00	38.15	---	13.20	51.35	---	74.00	54.00	-2.65	Peak
9024.00	36.32	---	15.19	51.51	---	74.00	54.00	-2.49	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 3 / IEEE 802.11a (1TX) / CH Low	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3075.00	43.04	---	4.92	47.96	---	74.00	54.00	-6.04	Peak
4685.00	40.89	---	8.76	49.65	---	74.00	54.00	-4.35	Peak
5430.00	39.62	---	10.32	49.94	---	74.00	54.00	-4.06	Peak
6384.00	37.39	---	12.60	50.00	---	74.00	54.00	-4.00	Peak
8316.00	37.47	---	15.04	52.51	---	74.00	54.00	-1.49	Peak
9900.00	35.87	---	16.48	52.35	---	74.00	54.00	-1.65	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3095.00	43.06	---	4.95	48.01	---	74.00	54.00	-5.99	Peak
4765.00	40.96	---	8.72	49.68	---	74.00	54.00	-4.32	Peak
5430.00	40.07	---	10.32	50.39	---	74.00	54.00	-3.61	Peak
6396.00	37.54	---	12.60	50.14	---	74.00	54.00	-3.86	Peak
8196.00	37.00	---	14.72	51.72	---	74.00	54.00	-2.28	Peak
9780.00	35.74	---	16.32	52.06	---	74.00	54.00	-1.94	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 3 / IEEE 802.11a (1TX) / CH Middle	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal

Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3080.00	42.25	---	4.92	47.18	---	74.00	54.00	-6.82	Peak
4630.00	40.30	---	8.79	49.09	---	74.00	54.00	-4.91	Peak
5445.00	39.11	---	10.38	49.49	---	74.00	54.00	-4.51	Peak
6396.00	36.76	---	12.60	49.36	---	74.00	54.00	-4.64	Peak
8040.00	37.47	---	14.31	51.78	---	74.00	54.00	-2.22	Peak
9600.00	36.40	---	16.09	52.49	---	74.00	54.00	-1.51	Peak

966 Chamber_B at 3Meter / Vertical

Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3205.00	42.85	---	5.13	47.98	---	74.00	54.00	-6.02	Peak
4635.00	41.37	---	8.79	50.15	---	74.00	54.00	-3.85	Peak
5415.00	39.83	---	10.26	50.09	---	74.00	54.00	-3.91	Peak
6396.00	37.89	---	12.60	50.49	---	74.00	54.00	-3.51	Peak
7992.00	38.00	---	14.18	52.18	---	74.00	54.00	-1.82	Peak
9384.00	36.45	---	15.77	52.22	---	74.00	54.00	-1.78	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 3 / IEEE 802.11a (1TX) / CH High	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3240.00	42.82	---	5.19	48.01	---	74.00	54.00	-5.99	Peak
4780.00	40.87	---	8.72	49.59	---	74.00	54.00	-4.41	Peak
5390.00	38.94	---	10.16	49.11	---	74.00	54.00	-4.89	Peak
6396.00	37.63	---	12.60	50.23	---	74.00	54.00	-3.77	Peak
8004.00	37.71	---	14.21	51.92	---	74.00	54.00	-2.08	Peak
9432.00	36.46	---	15.85	52.31	---	74.00	54.00	-1.69	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3205.00	43.70	---	5.13	48.84	---	74.00	54.00	-5.16	Peak
4710.00	40.78	---	8.75	49.53	---	74.00	54.00	-4.47	Peak
5445.00	41.23	---	10.38	51.61	---	74.00	54.00	-2.39	Peak
6324.00	37.64	---	12.63	50.26	---	74.00	54.00	-3.74	Peak
8028.00	37.36	---	14.27	51.63	---	74.00	54.00	-2.37	Peak
9852.00	35.67	---	16.42	52.09	---	74.00	54.00	-1.91	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 3 / IEEE 802.11an HT20 (1TX) / CH Low	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1240.00	51.33	---	-2.04	49.29	---	74.00	54.00	-4.71	Peak
4775.00	41.40	---	8.72	50.12	---	74.00	54.00	-3.88	Peak
5395.00	40.12	---	10.18	50.31	---	74.00	54.00	-3.69	Peak
6324.00	37.21	---	12.63	49.83	---	74.00	54.00	-4.17	Peak
7848.00	37.89	---	13.76	51.64	---	74.00	54.00	-2.36	Peak
9240.00	36.84	---	15.54	52.38	---	74.00	54.00	-1.62	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1100.00	47.27	---	-2.06	45.22	---	74.00	54.00	-8.78	Peak
4645.00	40.72	---	8.78	49.50	---	74.00	54.00	-4.50	Peak
5420.00	39.86	---	10.28	50.14	---	74.00	54.00	-3.86	Peak
6384.00	37.07	---	12.60	49.67	---	74.00	54.00	-4.33	Peak
7944.00	37.64	---	14.04	51.67	---	74.00	54.00	-2.33	Peak
9072.00	37.23	---	15.27	52.50	---	74.00	54.00	-1.50	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 3 / IEEE 802.11an HT20 (1TX) / CH Middle	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1510.00	51.38	---	-1.92	49.47	---	74.00	54.00	-4.53	Peak
4620.00	41.24	---	8.79	50.03	---	74.00	54.00	-3.97	Peak
5380.00	40.85	---	10.12	50.98	---	74.00	54.00	-3.02	Peak
6600.00	37.48	---	12.85	50.33	---	74.00	54.00	-3.67	Peak
7884.00	37.82	---	13.86	51.68	---	74.00	54.00	-2.32	Peak
9120.00	36.59	---	15.34	51.94	---	74.00	54.00	-2.06	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1100.00	47.26	---	-2.06	45.20	---	74.00	54.00	-8.80	Peak
4710.00	40.85	---	8.75	49.60	---	74.00	54.00	-4.40	Peak
5400.00	39.70	---	10.20	49.90	---	74.00	54.00	-4.10	Peak
6420.00	37.07	---	12.59	49.66	---	74.00	54.00	-4.34	Peak
8004.00	37.47	---	14.21	51.68	---	74.00	54.00	-2.32	Peak
9240.00	36.83	---	15.54	52.37	---	74.00	54.00	-1.63	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 3 / IEEE 802.11an HT20 (1TX) / CH High	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1240.00	49.68	---	-2.04	47.63	---	74.00	54.00	-6.37	Peak
4700.00	40.78	---	8.75	49.53	---	74.00	54.00	-4.47	Peak
5395.00	38.98	---	10.18	49.16	---	74.00	54.00	-4.84	Peak
6480.00	37.02	---	12.56	49.58	---	74.00	54.00	-4.42	Peak
7716.00	38.48	---	13.38	51.86	---	74.00	54.00	-2.14	Peak
9132.00	36.47	---	15.36	51.83	---	74.00	54.00	-2.17	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3115.00	44.63	---	4.98	49.61	---	74.00	54.00	-4.39	Peak
4805.00	41.01	---	8.70	49.72	---	74.00	54.00	-4.28	Peak
5350.00	40.37	---	10.00	50.37	---	74.00	54.00	-3.63	Peak
6300.00	36.88	---	12.64	49.52	---	74.00	54.00	-4.48	Peak
7572.00	37.79	---	12.96	50.75	---	74.00	54.00	-3.25	Peak
8832.00	36.94	---	15.28	52.22	---	74.00	54.00	-1.78	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 3 / IEEE 802.11an HT40 (1TX) / CH Low	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1245.00	50.03	---	-2.04	47.99	---	74.00	54.00	-6.01	Peak
4715.00	40.87	---	8.75	49.61	---	74.00	54.00	-4.39	Peak
5430.00	39.59	---	10.32	49.91	---	74.00	54.00	-4.09	Peak
6372.00	37.26	---	12.61	49.87	---	74.00	54.00	-4.13	Peak
8112.00	37.69	---	14.50	52.19	---	74.00	54.00	-1.81	Peak
9684.00	36.40	---	16.20	52.60	---	74.00	54.00	-1.40	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3095.00	43.56	---	4.95	48.51	---	74.00	54.00	-5.49	Peak
4920.00	41.72	---	8.65	50.37	---	74.00	54.00	-3.63	Peak
5400.00	40.87	---	10.20	51.07	---	74.00	54.00	-2.93	Peak
6468.00	36.96	---	12.56	49.53	---	74.00	54.00	-4.47	Peak
7836.00	37.77	---	13.72	51.50	---	74.00	54.00	-2.50	Peak
9264.00	36.88	---	15.58	52.45	---	74.00	54.00	-1.55	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/09
Test Mode	UNII Band 3 / IEEE 802.11an HT40 (1TX) / CH High	Temp. & Humidity	21°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1240.00	50.03	---	-2.04	47.98	---	74.00	54.00	-6.02	Peak
4670.00	40.74	---	8.77	49.51	---	74.00	54.00	-4.49	Peak
5390.00	39.73	---	10.16	49.89	---	74.00	54.00	-4.11	Peak
6216.00	38.01	---	12.67	50.68	---	74.00	54.00	-3.32	Peak
7692.00	38.40	---	13.31	51.70	---	74.00	54.00	-2.30	Peak
9156.00	37.15	---	15.40	52.56	---	74.00	54.00	-1.44	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3375.00	43.15	---	5.42	48.57	---	74.00	54.00	-5.43	Peak
4620.00	41.14	---	8.79	49.94	---	74.00	54.00	-4.06	Peak
5415.00	41.12	---	10.26	51.38	---	74.00	54.00	-2.62	Peak
6408.00	37.53	---	12.59	50.12	---	74.00	54.00	-3.88	Peak
8112.00	37.04	---	14.50	51.54	---	74.00	54.00	-2.46	Peak
9024.00	36.03	---	15.19	51.22	---	74.00	54.00	-2.78	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 1/ IEEE 802.11a (2TX) / CH Low	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3910.00	43.81	---	5.80	49.61	---	74.00	54.00	-4.39	Peak
4665.00	42.97	---	7.87	50.84	---	74.00	54.00	-3.16	Peak
5395.00	41.18	---	9.68	50.86	---	74.00	54.00	-3.14	Peak
6396.00	38.27	---	12.60	50.87	---	74.00	54.00	-3.13	Peak
7608.00	38.23	---	13.06	51.29	---	74.00	54.00	-2.71	Peak
8952.00	36.33	---	15.19	51.52	---	74.00	54.00	-2.48	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3455.00	47.05	---	4.94	51.99	---	74.00	54.00	-2.01	Peak
5000.00	43.01	---	8.14	51.15	---	74.00	54.00	-2.85	Peak
5385.00	42.02	---	9.64	51.66	---	74.00	54.00	-2.34	Peak
6156.00	37.60	---	12.70	50.31	---	74.00	54.00	-3.69	Peak
7764.00	38.96	---	13.52	52.47	---	74.00	54.00	-1.53	Peak
9120.00	36.82	---	15.34	52.16	---	74.00	54.00	-1.84	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 1/ IEEE 802.11a (2TX) / CH Middle	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3480.00	45.24	---	4.99	50.23	---	74.00	54.00	-3.77	Peak
4710.00	42.50	---	7.91	50.40	---	74.00	54.00	-3.60	Peak
5410.00	40.16	---	9.74	49.90	---	74.00	54.00	-4.10	Peak
6408.00	36.91	---	12.59	49.50	---	74.00	54.00	-4.50	Peak
7656.00	38.40	---	13.20	51.60	---	74.00	54.00	-2.40	Peak
9060.00	36.74	---	15.25	51.98	---	74.00	54.00	-2.02	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3480.00	49.89	46.11	4.99	54.88	51.10	74.00	54.00	-2.90	AVG
4700.00	42.03	---	7.90	49.93	---	74.00	54.00	-4.07	Peak
5335.00	42.96	---	9.45	52.41	---	74.00	54.00	-1.59	Peak
6456.00	37.67	---	12.57	50.24	---	74.00	54.00	-3.76	Peak
9072.00	36.98	---	15.27	52.25	---	74.00	54.00	-1.75	Peak
10440.00	41.33	32.53	17.49	58.82	50.02	74.00	54.00	-3.98	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 1/ IEEE 802.11a (2TX) / CH High	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3495.00	44.19	---	5.02	49.21	---	74.00	54.00	-4.79	Peak
4665.00	42.50	---	7.87	50.38	---	74.00	54.00	-3.62	Peak
5440.00	40.95	---	9.86	50.81	---	74.00	54.00	-3.19	Peak
6384.00	38.03	---	12.60	50.63	---	74.00	54.00	-3.37	Peak
7968.00	38.23	---	14.11	52.34	---	74.00	54.00	-1.66	Peak
15720.00	38.02	29.20	24.30	62.32	53.50	74.00	54.00	-0.50	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3495.00	49.77	46.63	5.02	54.79	51.65	74.00	54.00	-2.35	AVG
4680.00	42.19	---	7.88	50.07	---	74.00	54.00	-3.93	Peak
5350.00	41.80	---	9.51	51.30	---	74.00	54.00	-2.70	Peak
6348.00	37.33	---	12.62	49.95	---	74.00	54.00	-4.05	Peak
8244.00	36.95	---	14.85	51.79	---	74.00	54.00	-2.21	Peak
10488.00	41.77	32.23	17.59	59.36	49.82	74.00	54.00	-4.18	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 1/ IEEE 802.11an HT20 (2TX) / CH Low	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3180.00	44.54	---	4.39	48.93	---	74.00	54.00	-5.07	Peak
4740.00	42.95	---	7.93	50.89	---	74.00	54.00	-3.11	Peak
5435.00	40.49	---	9.84	50.33	---	74.00	54.00	-3.67	Peak
6336.00	37.77	---	12.62	50.39	---	74.00	54.00	-3.61	Peak
7908.00	38.17	---	13.93	52.10	---	74.00	54.00	-1.90	Peak
9072.00	36.49	---	15.27	51.76	---	74.00	54.00	-2.24	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3455.00	46.21	---	4.94	51.15	---	74.00	54.00	-2.85	Peak
5000.00	44.88	42.36	8.14	53.02	50.50	74.00	54.00	-3.50	AVG
5460.00	42.91	---	9.93	52.84	---	74.00	54.00	-1.16	Peak
6228.00	38.35	---	12.67	51.02	---	74.00	54.00	-2.98	Peak
7416.00	38.67	---	12.97	51.64	---	74.00	54.00	-2.36	Peak
9000.00	36.76	---	15.15	51.91	---	74.00	54.00	-2.09	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 1/ IEEE 802.11an HT20 (2TX) / CH Middle	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3480.00	43.68	---	4.99	48.67	---	74.00	54.00	-5.33	Peak
4790.00	42.46	---	7.97	50.43	---	74.00	54.00	-3.57	Peak
5455.00	40.85	---	9.91	50.77	---	74.00	54.00	-3.23	Peak
6408.00	37.34	---	12.59	49.93	---	74.00	54.00	-4.07	Peak
7824.00	38.35	---	13.69	52.04	---	74.00	54.00	-1.96	Peak
9072.00	37.00	---	15.27	52.27	---	74.00	54.00	-1.73	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3480.00	50.70	47.63	4.99	55.69	52.62	74.00	54.00	-1.38	AVG
4715.00	42.45	---	7.91	50.36	---	74.00	54.00	-3.64	Peak
5460.00	41.13	---	9.93	51.07	---	74.00	54.00	-2.93	Peak
6396.00	37.34	---	12.60	49.94	---	74.00	54.00	-4.06	Peak
8028.00	37.39	---	14.27	51.67	---	74.00	54.00	-2.33	Peak
10440.00	42.70	30.82	17.49	60.19	48.31	74.00	54.00	-5.69	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 1/ IEEE 802.11an HT20 (2TX) / CH High	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3495.00	44.67	---	5.02	49.69	---	74.00	54.00	-4.31	Peak
4625.00	42.77	---	7.84	50.61	---	74.00	54.00	-3.39	Peak
5420.00	40.98	---	9.78	50.76	---	74.00	54.00	-3.24	Peak
6444.00	37.71	---	12.57	50.28	---	74.00	54.00	-3.72	Peak
7896.00	37.84	---	13.90	51.74	---	74.00	54.00	-2.26	Peak
9024.00	36.68	---	15.19	51.87	---	74.00	54.00	-2.13	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3495.00	50.22	46.95	5.02	55.24	51.97	74.00	54.00	-2.03	AVG
4710.00	42.49	---	7.91	50.39	---	74.00	54.00	-3.61	Peak
5445.00	41.85	---	9.88	51.72	---	74.00	54.00	-2.28	Peak
6492.00	37.93	---	12.55	50.49	---	74.00	54.00	-3.51	Peak
8280.00	37.61	---	14.94	52.55	---	74.00	54.00	-1.45	Peak
10476.00	42.08	29.82	17.56	59.65	47.38	74.00	54.00	-6.62	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/16
Test Mode	UNII Band 1/ IEEE 802.11an HT40 (2TX) / CH Low	Temp. & Humidity	18°C, 56%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1265.00	48.03	---	-2.04	45.99	---	74.00	54.00	-8.01	Peak
3245.00	43.29	---	5.20	48.49	---	74.00	54.00	-5.51	Peak
5390.00	40.22	---	10.16	50.38	---	74.00	54.00	-3.62	Peak
6384.00	37.02	---	12.60	49.62	---	74.00	54.00	-4.38	Peak
8004.00	38.36	---	14.21	52.57	---	74.00	54.00	-1.43	Peak
9108.00	36.98	---	15.32	52.31	---	74.00	54.00	-1.69	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
2535.00	44.28	---	3.69	47.98	---	74.00	54.00	-6.02	Peak
3460.00	45.10	---	5.56	50.66	---	74.00	54.00	-3.34	Peak
5455.00	41.56	---	10.42	51.98	---	74.00	54.00	-2.02	Peak
6420.00	37.36	---	12.59	49.95	---	74.00	54.00	-4.05	Peak
7800.00	38.88	---	13.62	52.50	---	74.00	54.00	-1.50	Peak
9060.00	37.05	---	15.25	52.29	---	74.00	54.00	-1.71	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/16
Test Mode	UNII Band 1/ IEEE 802.11an HT40 (2TX) / CH High	Temp. & Humidity	18°C, 56%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3485.00	42.78	---	5.60	48.39	---	74.00	54.00	-5.61	Peak
5150.00	51.59	35.19	9.21	60.79	44.40	74.00	54.00	-9.60	AVG
5445.00	40.01	---	10.38	50.39	---	74.00	54.00	-3.61	Peak
6360.00	37.65	---	12.61	50.27	---	74.00	54.00	-3.73	Peak
7872.00	38.61	---	13.83	52.44	---	74.00	54.00	-1.56	Peak
9144.00	36.57	---	15.38	51.95	---	74.00	54.00	-2.05	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3485.00	48.00	45.02	5.60	53.61	50.62	74.00	54.00	-3.38	AVG
5150.00	60.51	43.06	9.21	69.72	52.27	74.00	54.00	-1.73	AVG
5350.00	44.14	32.78	10.00	54.15	42.78	74.00	54.00	-11.22	AVG
6288.00	37.81	---	12.64	50.45	---	74.00	54.00	-3.55	Peak
7620.00	38.80	---	13.10	51.90	---	74.00	54.00	-2.10	Peak
9024.00	36.99	---	15.19	52.18	---	74.00	54.00	-1.82	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 2A / IEEE 802.11a (2TX) / CH Low	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3505.00	44.70	---	5.04	49.74	---	74.00	54.00	-4.26	Peak
4545.00	42.56	---	7.78	50.34	---	74.00	54.00	-3.66	Peak
5395.00	41.49	---	9.68	51.17	---	74.00	54.00	-2.83	Peak
6396.00	37.46	---	12.60	50.06	---	74.00	54.00	-3.94	Peak
7968.00	37.43	---	14.11	51.54	---	74.00	54.00	-2.46	Peak
15792.00	39.46	28.80	24.44	63.90	53.24	74.00	54.00	-0.76	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3505.00	49.94	46.22	5.04	54.98	51.26	74.00	54.00	-2.74	AVG
5000.00	43.46	---	8.14	51.60	---	74.00	54.00	-2.40	Peak
5455.00	43.08	---	9.91	52.99	---	74.00	54.00	-1.01	Peak
6396.00	37.44	---	12.60	50.04	---	74.00	54.00	-3.96	Peak
7260.00	39.01	---	13.38	52.39	---	74.00	54.00	-1.61	Peak
8976.00	36.48	---	15.17	51.65	---	74.00	54.00	-2.35	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 2A / IEEE 802.11a (2TX) / CH Middle	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3520.00	44.51	---	5.07	49.57	---	74.00	54.00	-4.43	Peak
4575.00	42.66	---	7.80	50.46	---	74.00	54.00	-3.54	Peak
5350.00	40.32	---	9.51	49.82	---	74.00	54.00	-4.18	Peak
6240.00	37.63	---	12.66	50.29	---	74.00	54.00	-3.71	Peak
8208.00	37.39	---	14.75	52.14	---	74.00	54.00	-1.86	Peak
15840.00	38.11	28.96	24.53	62.64	53.49	74.00	54.00	-0.51	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3520.00	48.76	43.09	5.07	53.82	48.16	74.00	54.00	-5.84	AVG
4530.00	42.71	---	7.76	50.47	---	74.00	54.00	-3.53	Peak
5360.00	44.59	38.63	9.54	54.13	48.17	74.00	54.00	-5.83	AVG
6300.00	38.76	---	12.64	51.39	---	74.00	54.00	-2.61	Peak
7608.00	38.18	---	13.06	51.24	---	74.00	54.00	-2.76	Peak
9012.00	36.94	---	15.17	52.11	---	74.00	54.00	-1.89	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 2A / IEEE 802.11a (2TX) / CH High	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3260.00	43.84	---	4.55	48.39	---	74.00	54.00	-5.61	Peak
4560.00	42.11	---	7.79	49.90	---	74.00	54.00	-4.10	Peak
5355.00	44.60	34.66	9.52	54.12	44.18	74.00	54.00	-9.82	AVG
6576.00	37.70	---	12.78	50.48	---	74.00	54.00	-3.52	Peak
7776.00	38.41	---	13.55	51.96	---	74.00	54.00	-2.04	Peak
9084.00	37.02	---	15.29	52.31	---	74.00	54.00	-1.69	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3545.00	46.76	---	5.11	51.88	---	74.00	54.00	-2.12	Peak
5000.00	45.38	37.32	8.14	53.52	45.46	74.00	54.00	-8.54	AVG
5350.00	59.76	39.36	9.51	69.27	48.87	74.00	54.00	-5.13	AVG
6372.00	37.16	---	12.61	49.76	---	74.00	54.00	-4.24	Peak
7788.00	38.76	---	13.59	52.35	---	74.00	54.00	-1.65	Peak
9084.00	36.45	---	15.29	51.73	---	74.00	54.00	-2.27	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 2A / IEEE 802.11an HT20 (2TX) / CH Low	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3505.00	43.76	---	5.04	48.80	---	74.00	54.00	-5.20	Peak
4570.00	42.60	---	7.80	50.39	---	74.00	54.00	-3.61	Peak
5435.00	41.27	---	9.84	51.11	---	74.00	54.00	-2.89	Peak
6204.00	38.37	---	12.68	51.05	---	74.00	54.00	-2.95	Peak
7764.00	38.95	---	13.52	52.47	---	74.00	54.00	-1.53	Peak
15780.00	38.86	29.06	24.41	63.27	53.47	74.00	54.00	-0.53	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3505.00	49.61	46.27	5.04	54.65	51.31	74.00	54.00	-2.69	AVG
4680.00	43.20	---	7.88	51.09	---	74.00	54.00	-2.91	Peak
5430.00	41.83	---	9.82	51.65	---	74.00	54.00	-2.35	Peak
6360.00	38.13	---	12.61	50.75	---	74.00	54.00	-3.25	Peak
7296.00	38.22	---	13.29	51.51	---	74.00	54.00	-2.49	Peak
9024.00	36.04	---	15.19	51.23	---	74.00	54.00	-2.77	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 2A / IEEE 802.11an HT20 (2TX) / CH Middle	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3520.00	43.99	---	5.07	49.05	---	74.00	54.00	-4.95	Peak
4725.00	42.55	---	7.92	50.47	---	74.00	54.00	-3.53	Peak
5385.00	41.52	---	9.64	51.16	---	74.00	54.00	-2.84	Peak
6336.00	37.04	---	12.62	49.66	---	74.00	54.00	-4.34	Peak
8100.00	36.64	---	14.47	51.11	---	74.00	54.00	-2.89	Peak
15840.00	39.54	28.89	24.53	64.07	53.42	74.00	54.00	-0.58	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3520.00	50.01	47.36	5.07	55.08	52.43	74.00	54.00	-1.57	AVG
4660.00	43.28	---	7.87	51.15	---	74.00	54.00	-2.85	Peak
5360.00	42.84	---	9.54	52.38	---	74.00	54.00	-1.62	Peak
6324.00	37.47	---	12.63	50.10	---	74.00	54.00	-3.90	Peak
7452.00	37.82	---	12.88	50.69	---	74.00	54.00	-3.31	Peak
8952.00	37.15	---	15.19	52.34	---	74.00	54.00	-1.66	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 2A / IEEE 802.11an HT20 (2TX) / CH High	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3545.00	43.47	---	5.11	48.58	---	74.00	54.00	-5.42	Peak
4620.00	42.50	---	7.84	50.33	---	74.00	54.00	-3.67	Peak
5455.00	41.63	---	9.91	51.54	---	74.00	54.00	-2.46	Peak
6336.00	37.53	---	12.62	50.15	---	74.00	54.00	-3.85	Peak
7284.00	38.83	---	13.32	52.15	---	74.00	54.00	-1.85	Peak
8880.00	36.84	---	15.24	52.08	---	74.00	54.00	-1.92	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3545.00	47.56	---	5.11	52.67	---	74.00	54.00	-1.33	Peak
4720.00	43.15	---	7.92	51.06	---	74.00	54.00	-2.94	Peak
5350.00	59.61	43.25	9.51	69.12	52.76	74.00	54.00	-1.24	AVG
6504.00	37.34	---	12.56	49.90	---	74.00	54.00	-4.10	Peak
7740.00	38.05	---	13.45	51.50	---	74.00	54.00	-2.50	Peak
9048.00	36.32	---	15.23	51.55	---	74.00	54.00	-2.45	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/16
Test Mode	UNII Band 2A / IEEE 802.11an HT40 (2TX) / CH Low	Temp. & Humidity	18°C, 56%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3505.00	43.45	---	5.64	49.09	---	74.00	54.00	-4.91	Peak
4665.00	41.09	---	8.77	49.86	---	74.00	54.00	-4.14	Peak
5350.00	52.16	35.41	10.00	62.17	45.41	74.00	54.00	-8.59	AVG
6276.00	37.30	---	12.65	49.95	---	74.00	54.00	-4.05	Peak
8004.00	37.80	---	14.21	52.01	---	74.00	54.00	-1.99	Peak
15804.00	38.89	28.77	24.46	63.35	53.23	74.00	54.00	-0.77	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3515.00	47.39	44.52	5.65	53.04	50.17	74.00	54.00	-3.83	AVG
5150.00	45.70	42.23	9.21	54.90	51.44	74.00	54.00	-2.56	AVG
5350.00	56.33	39.76	10.00	66.34	49.76	74.00	54.00	-4.24	AVG
6384.00	37.30	---	12.60	49.90	---	74.00	54.00	-4.10	Peak
7728.00	38.14	---	13.41	51.55	---	74.00	54.00	-2.45	Peak
9168.00	36.21	---	15.42	51.64	---	74.00	54.00	-2.36	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/16
Test Mode	UNII Band 2A / IEEE 802.11an HT40 (2TX) / CH High	Temp. & Humidity	18°C, 56%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
2090.00	44.35	---	2.81	47.15	---	74.00	54.00	-6.85	Peak
3085.00	43.98	---	4.93	48.92	---	74.00	54.00	-5.08	Peak
4580.00	41.12	---	8.81	49.93	---	74.00	54.00	-4.07	Peak
6372.00	37.74	---	12.61	50.35	---	74.00	54.00	-3.65	Peak
7716.00	38.96	---	13.38	52.34	---	74.00	54.00	-1.66	Peak
9144.00	36.52	---	15.38	51.90	---	74.00	54.00	-2.10	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1895.00	44.70	---	1.66	46.36	---	74.00	54.00	-7.64	Peak
3540.00	46.21	---	5.69	51.90	---	74.00	54.00	-2.10	Peak
5000.00	44.69	41.35	8.61	53.30	49.96	74.00	54.00	-4.04	AVG
6360.00	37.05	---	12.61	49.66	---	74.00	54.00	-4.34	Peak
7680.00	37.55	---	13.27	50.82	---	74.00	54.00	-3.18	Peak
8952.00	36.08	---	15.19	51.26	---	74.00	54.00	-2.74	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 2C / IEEE 802.11a (2TX) / CH Low	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3355.00	43.18	---	4.74	47.92	---	74.00	54.00	-6.08	Peak
4695.00	42.53	---	7.90	50.43	---	74.00	54.00	-3.57	Peak
5460.00	49.66	34.39	9.93	59.60	44.32	74.00	54.00	-9.68	AVG
6384.00	36.99	---	12.60	49.59	---	74.00	54.00	-4.41	Peak
7824.00	38.30	---	13.69	51.99	---	74.00	54.00	-2.01	Peak
16500.00	38.46	26.84	25.76	64.22	52.60	74.00	54.00	-1.40	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3665.00	46.18	---	5.34	51.52	---	74.00	54.00	-2.48	Peak
4815.00	42.88	---	7.99	50.87	---	74.00	54.00	-3.13	Peak
5460.00	58.69	37.22	9.93	68.62	47.15	74.00	54.00	-6.85	AVG
6444.00	37.77	---	12.57	50.34	---	74.00	54.00	-3.66	Peak
8028.00	37.67	---	14.27	51.94	---	74.00	54.00	-2.06	Peak
16500.00	38.92	25.89	25.76	64.68	51.65	74.00	54.00	-2.35	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 2C / IEEE 802.11a (2TX) / CH Middle	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal

Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3110.00	42.83	---	4.25	47.08	---	74.00	54.00	-6.92	Peak
4690.00	42.32	---	7.89	50.21	---	74.00	54.00	-3.79	Peak
5460.00	40.20	---	9.93	50.13	---	74.00	54.00	-3.87	Peak
6288.00	37.34	---	12.64	49.98	---	74.00	54.00	-4.02	Peak
8280.00	37.49	---	14.94	52.43	---	74.00	54.00	-1.57	Peak
16740.00	36.51	26.74	26.46	62.97	53.20	74.00	54.00	-0.80	AVG

966 Chamber_B at 3Meter / Vertical

Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3720.00	46.22	---	5.44	51.67	---	74.00	54.00	-2.33	Peak
4640.00	42.13	---	7.85	49.98	---	74.00	54.00	-4.02	Peak
5450.00	43.01	34.22	9.90	52.90	44.12	74.00	54.00	-9.88	AVG
6468.00	37.63	---	12.56	50.20	---	74.00	54.00	-3.80	Peak
8880.00	37.21	---	15.24	52.45	---	74.00	54.00	-1.55	Peak
16740.00	39.39	26.86	26.46	65.85	53.32	74.00	54.00	-0.68	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 2C / IEEE 802.11a (2TX) / CH High	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3795.00	43.12	---	5.58	48.70	---	74.00	54.00	-5.30	Peak
4570.00	42.62	---	7.80	50.42	---	74.00	54.00	-3.58	Peak
5460.00	41.64	---	9.93	51.57	---	74.00	54.00	-2.43	Peak
6396.00	37.05	---	12.60	49.65	---	74.00	54.00	-4.35	Peak
8064.00	37.67	---	14.37	52.04	---	74.00	54.00	-1.96	Peak
17100.00	36.68	26.22	27.10	63.78	53.32	74.00	54.00	-0.68	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3800.00	48.02	44.32	5.59	53.61	49.91	74.00	54.00	-4.09	AVG
4690.00	43.40	---	7.89	51.30	---	74.00	54.00	-2.70	Peak
5460.00	41.55	---	9.93	51.49	---	74.00	54.00	-2.51	Peak
6216.00	38.18	---	12.67	50.86	---	74.00	54.00	-3.14	Peak
8220.00	37.12	---	14.79	51.90	---	74.00	54.00	-2.10	Peak
17088.00	38.10	25.50	27.11	65.22	52.61	74.00	54.00	-1.39	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 2C / IEEE 802.11an HT20 (2TX) / CH Low	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3675.00	43.35	---	5.36	48.71	---	74.00	54.00	-5.29	Peak
4625.00	43.08	---	7.84	50.92	---	74.00	54.00	-3.08	Peak
5460.00	48.82	35.63	9.93	58.76	45.56	74.00	54.00	-8.44	AVG
6336.00	37.70	---	12.62	50.32	---	74.00	54.00	-3.68	Peak
7368.00	37.79	---	13.10	50.89	---	74.00	54.00	-3.11	Peak
8952.00	36.87	---	15.19	52.06	---	74.00	54.00	-1.94	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3665.00	46.48	---	5.34	51.82	---	74.00	54.00	-2.18	Peak
4615.00	42.21	---	7.83	50.04	---	74.00	54.00	-3.96	Peak
5460.00	59.21	38.63	9.93	69.14	48.56	74.00	54.00	-5.44	AVG
6396.00	37.82	---	12.60	50.41	---	74.00	54.00	-3.59	Peak
8004.00	37.90	---	14.21	52.11	---	74.00	54.00	-1.89	Peak
16464.00	39.46	25.49	25.69	65.16	51.18	74.00	54.00	-2.82	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 2C / IEEE 802.11an HT20 (2TX) / CH Middle	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3090.00	44.17	---	4.21	48.38	---	74.00	54.00	-5.62	Peak
4550.00	42.28	---	7.78	50.06	---	74.00	54.00	-3.94	Peak
5355.00	40.78	---	9.52	50.31	---	74.00	54.00	-3.69	Peak
6228.00	38.14	---	12.67	50.81	---	74.00	54.00	-3.19	Peak
8244.00	36.77	---	14.85	51.62	---	74.00	54.00	-2.38	Peak
9036.00	36.73	---	15.21	51.94	---	74.00	54.00	-2.06	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3720.00	46.59	---	5.44	52.04	---	74.00	54.00	-1.96	Peak
4730.00	42.37	---	7.92	50.29	---	74.00	54.00	-3.71	Peak
5370.00	42.87	---	9.58	52.46	---	74.00	54.00	-1.54	Peak
6408.00	37.74	---	12.59	50.33	---	74.00	54.00	-3.67	Peak
8208.00	36.83	---	14.75	51.58	---	74.00	54.00	-2.42	Peak
16728.00	38.97	26.81	26.42	65.39	53.23	74.00	54.00	-0.77	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 2C / IEEE 802.11an HT20 (2TX) / CH High	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3810.00	43.58	---	5.61	49.19	---	74.00	54.00	-4.81	Peak
4595.00	42.77	---	7.82	50.59	---	74.00	54.00	-3.41	Peak
5410.00	41.60	---	9.74	51.34	---	74.00	54.00	-2.66	Peak
6324.00	37.69	---	12.63	50.32	---	74.00	54.00	-3.68	Peak
8124.00	37.42	---	14.53	51.95	---	74.00	54.00	-2.05	Peak
17100.00	39.62	25.86	27.10	66.72	52.96	74.00	54.00	-1.04	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3800.00	48.63	46.25	5.59	54.22	51.84	74.00	54.00	-2.16	AVG
4620.00	42.51	---	7.84	50.35	---	74.00	54.00	-3.65	Peak
5355.00	42.02	---	9.52	51.54	---	74.00	54.00	-2.46	Peak
6276.00	37.33	---	12.65	49.98	---	74.00	54.00	-4.02	Peak
7872.00	38.64	---	13.83	52.47	---	74.00	54.00	-1.53	Peak
17100.00	37.64	26.39	27.10	64.74	53.49	74.00	54.00	-0.51	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/16
Test Mode	UNII Band 2C / IEEE 802.11an HT40 (2TX) / CH Low	Temp. & Humidity	18°C, 56%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
1500.00	49.59	---	-2.01	47.58	---	74.00	54.00	-6.42	Peak
3070.00	44.75	---	4.91	49.66	---	74.00	54.00	-4.34	Peak
4620.00	42.01	---	8.79	50.81	---	74.00	54.00	-3.19	Peak
6384.00	37.34	---	12.60	49.94	---	74.00	54.00	-4.06	Peak
7668.00	38.42	---	13.24	51.66	---	74.00	54.00	-2.34	Peak
9036.00	36.99	---	15.21	52.20	---	74.00	54.00	-1.80	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
2340.00	44.20	---	3.30	47.49	---	74.00	54.00	-6.51	Peak
3675.00	44.55	---	5.88	50.44	---	74.00	54.00	-3.56	Peak
5000.00	43.78	---	8.61	52.39	---	74.00	54.00	-1.61	Peak
6408.00	37.88	---	12.59	50.47	---	74.00	54.00	-3.53	Peak
7800.00	38.31	---	13.62	51.93	---	74.00	54.00	-2.07	Peak
9000.00	37.04	---	15.15	52.19	---	74.00	54.00	-1.81	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/16
Test Mode	UNII Band 2C / IEEE 802.11an HT40 (2TX) / CH Middle	Temp. & Humidity	18°C, 56%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3050.00	44.36	---	4.87	49.23	---	74.00	54.00	-4.77	Peak
4815.00	41.71	---	8.70	50.41	---	74.00	54.00	-3.59	Peak
5460.00	42.12	---	10.44	52.56	---	74.00	54.00	-1.44	AVG
6192.00	38.15	---	12.69	50.83	---	74.00	54.00	-3.17	Peak
8040.00	38.07	---	14.31	52.38	---	74.00	54.00	-1.62	Peak
8868.00	37.16	---	15.25	52.41	---	74.00	54.00	-1.59	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3700.00	44.09	---	5.92	50.01	---	74.00	54.00	-3.99	Peak
5000.00	43.19	---	8.61	51.80	---	74.00	54.00	-2.20	Peak
5460.00	52.11	40.36	10.44	62.55	50.80	74.00	54.00	-3.20	AVG
6384.00	37.48	---	12.60	50.08	---	74.00	54.00	-3.92	Peak
8040.00	37.39	---	14.31	51.69	---	74.00	54.00	-2.31	Peak
16644.00	38.37	26.58	26.18	64.55	52.76	74.00	54.00	-1.24	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/16
Test Mode	UNII Band 2C / IEEE 802.11an HT40 (2TX) / CH High	Temp. & Humidity	18°C, 56%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3135.00	43.03	---	5.02	48.05	---	74.00	54.00	-5.95	Peak
4770.00	41.26	---	8.72	49.98	---	74.00	54.00	-4.02	Peak
5445.00	40.32	---	10.38	50.70	---	74.00	54.00	-3.30	Peak
6372.00	37.33	---	12.61	49.94	---	74.00	54.00	-4.06	Peak
7908.00	37.68	---	13.93	51.62	---	74.00	54.00	-2.38	Peak
9036.00	36.36	---	15.21	51.57	---	74.00	54.00	-2.43	Peak
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3780.00	47.82	44.75	6.03	53.85	50.78	74.00	54.00	-3.22	AVG
4720.00	41.68	---	8.74	50.43	---	74.00	54.00	-3.57	Peak
5440.00	42.98	30.47	10.36	53.34	40.83	74.00	54.00	-13.17	AVG
6396.00	37.74	---	12.60	50.33	---	74.00	54.00	-3.67	Peak
8004.00	37.81	---	14.21	52.02	---	74.00	54.00	-1.98	Peak
17016.00	37.48	25.82	27.19	64.67	53.01	74.00	54.00	-0.99	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 3 / IEEE 802.11a (2TX) / CH Low	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3830.00	44.89	---	5.65	50.54	---	74.00	54.00	-3.46	Peak
4665.00	44.58	---	7.87	52.46	---	74.00	54.00	-1.54	Peak
5420.00	41.69	---	9.78	51.47	---	74.00	54.00	-2.53	Peak
6348.00	36.93	---	12.62	49.55	---	74.00	54.00	-4.45	Peak
7776.00	38.55	---	13.55	52.10	---	74.00	54.00	-1.90	Peak
17232.00	38.13	26.50	26.95	65.09	53.45	74.00	54.00	-0.55	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3830.00	50.26	46.96	5.65	55.91	52.61	74.00	54.00	-1.39	AVG
4590.00	43.02	---	7.81	50.83	---	74.00	54.00	-3.17	Peak
5460.00	41.04	---	9.93	50.97	---	74.00	54.00	-3.03	Peak
6384.00	37.18	---	12.60	49.78	---	74.00	54.00	-4.22	Peak
7716.00	39.06	---	13.38	52.44	---	74.00	54.00	-1.56	Peak
9072.00	37.23	---	15.27	52.50	---	74.00	54.00	-1.50	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 3 / IEEE 802.11a (2TX) / CH Middle	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3855.00	46.19	---	5.70	51.89	---	74.00	54.00	-2.11	Peak
4690.00	42.53	---	7.89	50.42	---	74.00	54.00	-3.58	Peak
5460.00	40.70	---	9.93	50.64	---	74.00	54.00	-3.36	Peak
6528.00	38.04	---	12.64	50.67	---	74.00	54.00	-3.33	Peak
8928.00	36.90	---	15.20	52.11	---	74.00	54.00	-1.89	Peak
17352.00	37.63	26.30	26.82	64.45	53.12	74.00	54.00	-0.88	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3855.00	50.22	47.86	5.70	55.92	53.56	74.00	54.00	-0.44	AVG
4700.00	43.05	---	7.90	50.95	---	74.00	54.00	-3.05	Peak
5425.00	43.15	---	9.80	52.95	---	74.00	54.00	-1.05	Peak
6540.00	36.93	---	12.67	49.60	---	74.00	54.00	-4.40	Peak
7404.00	38.64	---	13.00	51.65	---	74.00	54.00	-2.35	Peak
8280.00	36.22	---	14.94	51.17	---	74.00	54.00	-2.83	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 3 / IEEE 802.11a (2TX) / CH High	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3885.00	46.69	44.66	5.75	52.44	50.41	74.00	54.00	-3.59	AVG
4710.00	42.83	---	7.91	50.74	---	74.00	54.00	-3.26	Peak
5355.00	41.24	---	9.52	50.76	---	74.00	54.00	-3.24	Peak
6360.00	37.67	---	12.61	50.28	---	74.00	54.00	-3.72	Peak
8112.00	37.09	---	14.50	51.59	---	74.00	54.00	-2.41	Peak
17472.00	38.08	26.24	26.69	64.77	52.93	74.00	54.00	-1.07	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3885.00	50.61	48.11	5.75	56.36	53.86	74.00	54.00	-0.14	AVG
4520.00	42.66	---	7.76	50.41	---	74.00	54.00	-3.59	Peak
5460.00	40.88	---	9.93	50.81	---	74.00	54.00	-3.19	Peak
6372.00	37.44	---	12.61	50.05	---	74.00	54.00	-3.95	Peak
7332.00	37.99	---	13.19	51.19	---	74.00	54.00	-2.81	Peak
8184.00	37.13	---	14.69	51.82	---	74.00	54.00	-2.18	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 3 / IEEE 802.11an HT20 (2TX) / CH Low	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3830.00	44.93	---	5.65	50.58	---	74.00	54.00	-3.42	Peak
4715.00	42.36	---	7.91	50.27	---	74.00	54.00	-3.73	Peak
5400.00	41.51	---	9.70	51.21	---	74.00	54.00	-2.79	Peak
6360.00	37.33	---	12.61	49.94	---	74.00	54.00	-4.06	Peak
7644.00	38.24	---	13.17	51.41	---	74.00	54.00	-2.59	Peak
17232.00	36.89	26.33	26.95	63.85	53.28	74.00	54.00	-0.72	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3830.00	50.63	47.38	5.65	56.28	53.03	74.00	54.00	-0.97	AVG
4600.00	42.68	---	7.82	50.50	---	74.00	54.00	-3.50	Peak
5430.00	42.09	---	9.82	51.91	---	74.00	54.00	-2.09	Peak
6432.00	38.01	---	12.58	50.59	---	74.00	54.00	-3.41	Peak
7620.00	38.38	---	13.10	51.48	---	74.00	54.00	-2.52	Peak
8208.00	37.47	---	14.75	52.22	---	74.00	54.00	-1.78	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 3 / IEEE 802.11an HT20 (2TX) / CH Middle	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3855.00	46.05	---	5.70	51.75	---	74.00	54.00	-2.25	Peak
4605.00	42.53	---	7.82	50.35	---	74.00	54.00	-3.65	Peak
5380.00	41.35	---	9.62	50.97	---	74.00	54.00	-3.03	Peak
6528.00	37.88	---	12.64	50.52	---	74.00	54.00	-3.48	Peak
8112.00	36.66	---	14.50	51.16	---	74.00	54.00	-2.84	Peak
17352.00	38.45	26.54	26.82	65.27	53.36	74.00	54.00	-0.64	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3855.00	51.19	48.04	5.70	56.89	53.74	74.00	54.00	-0.26	AVG
4670.00	42.11	---	7.88	49.98	---	74.00	54.00	-4.02	Peak
5460.00	43.26	---	9.93	53.20	---	74.00	54.00	-0.80	Peak
6336.00	39.08	---	12.62	51.70	---	74.00	54.00	-2.30	Peak
7284.00	38.37	---	13.32	51.69	---	74.00	54.00	-2.31	Peak
8136.00	37.59	---	14.56	52.15	---	74.00	54.00	-1.85	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Davis Tseng
Test Model	TREK-570	Test Date	2014/12/18
Test Mode	UNII Band 3 / IEEE 802.11an HT20 (2TX) / CH High	Temp. & Humidity	22°C, 54%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3885.00	48.92	45.68	5.75	54.67	51.43	74.00	54.00	-2.57	AVG
4690.00	42.17	---	7.89	50.06	---	74.00	54.00	-3.94	Peak
5410.00	40.72	---	9.74	50.46	---	74.00	54.00	-3.54	Peak
6192.00	37.63	---	12.69	50.31	---	74.00	54.00	-3.69	Peak
8208.00	37.47	---	14.75	52.22	---	74.00	54.00	-1.78	Peak
17472.00	38.34	26.66	26.69	65.03	53.35	74.00	54.00	-0.65	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3885.00	50.98	47.11	5.75	56.73	52.86	74.00	54.00	-1.14	AVG
4800.00	42.57	---	7.98	50.55	---	74.00	54.00	-3.45	Peak
5375.00	42.70	---	9.60	52.30	---	74.00	54.00	-1.70	Peak
6228.00	37.59	---	12.67	50.26	---	74.00	54.00	-3.74	Peak
7992.00	38.38	---	14.18	52.56	---	74.00	54.00	-1.44	Peak
8832.00	37.04	---	15.28	52.32	---	74.00	54.00	-1.68	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/16
Test Mode	UNII Band 3 / IEEE 802.11an HT40 (2TX) / CH Low	Temp. & Humidity	18°C, 56%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3835.00	43.48	---	6.11	49.59	---	74.00	54.00	-4.41	Peak
4715.00	41.34	---	8.75	50.09	---	74.00	54.00	-3.91	Peak
5460.00	40.37	---	10.44	50.81	---	74.00	54.00	-3.19	Peak
6276.00	37.85	---	12.65	50.50	---	74.00	54.00	-3.50	Peak
7932.00	37.52	---	14.00	51.53	---	74.00	54.00	-2.47	Peak
17256.00	38.18	26.43	26.93	65.11	53.36	74.00	54.00	-0.64	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3835.00	49.19	46.26	6.11	55.31	52.37	74.00	54.00	-1.63	AVG
4760.00	41.93	---	8.73	50.66	---	74.00	54.00	-3.34	Peak
5405.00	42.32	---	10.22	52.54	---	74.00	54.00	-1.46	Peak
6372.00	38.68	---	12.61	51.29	---	74.00	54.00	-2.71	Peak
11508.00	41.28	29.70	18.74	60.01	48.44	74.00	54.00	-5.56	AVG
17268.00	38.49	26.42	26.92	65.41	53.34	74.00	54.00	-0.66	AVG

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Product Name	Computer	Test By	Rex Chiu
Test Model	TREK-570	Test Date	2014/12/16
Test Mode	UNII Band 3 / IEEE 802.11an HT40 (2TX) / CH High	Temp. & Humidity	18°C, 56%

966 Chamber_B at 3Meter / Horizontal									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3865.00	43.31	---	6.16	49.47	---	74.00	54.00	-4.53	Peak
4760.00	41.45	---	8.73	50.18	---	74.00	54.00	-3.82	Peak
5435.00	40.02	---	10.34	50.36	---	74.00	54.00	-3.64	Peak
6408.00	37.50	---	12.59	50.09	---	74.00	54.00	-3.91	Peak
7404.00	38.17	---	13.00	51.18	---	74.00	54.00	-2.82	Peak
17376.00	37.44	26.26	26.80	64.24	53.06	74.00	54.00	-0.94	AVG
966 Chamber_B at 3Meter / Vertical									
Frequency (MHz)	Reading-PK (dBuV)	Reading-AV (dBuV)	Correction Factor (dB/m)	Result-PK (dBuV/m)	Result-AV (dBuV/m)	Limit-PK (dBuV/m)	Limit-AV (dBuV/m)	Margin (dB)	Remark
3865.00	48.73	45.51	6.16	54.89	51.67	74.00	54.00	-2.33	AVG
5000.00	43.33	---	8.61	51.94	---	74.00	54.00	-2.06	Peak
5415.00	42.28	---	10.26	52.55	---	74.00	54.00	-1.45	Peak
6324.00	37.84	---	12.63	50.47	---	74.00	54.00	-3.53	Peak
7452.00	38.37	---	12.88	51.25	---	74.00	54.00	-2.75	Peak
17388.00	38.32	26.25	26.78	65.11	53.03	74.00	54.00	-0.97	AVG

Remark:

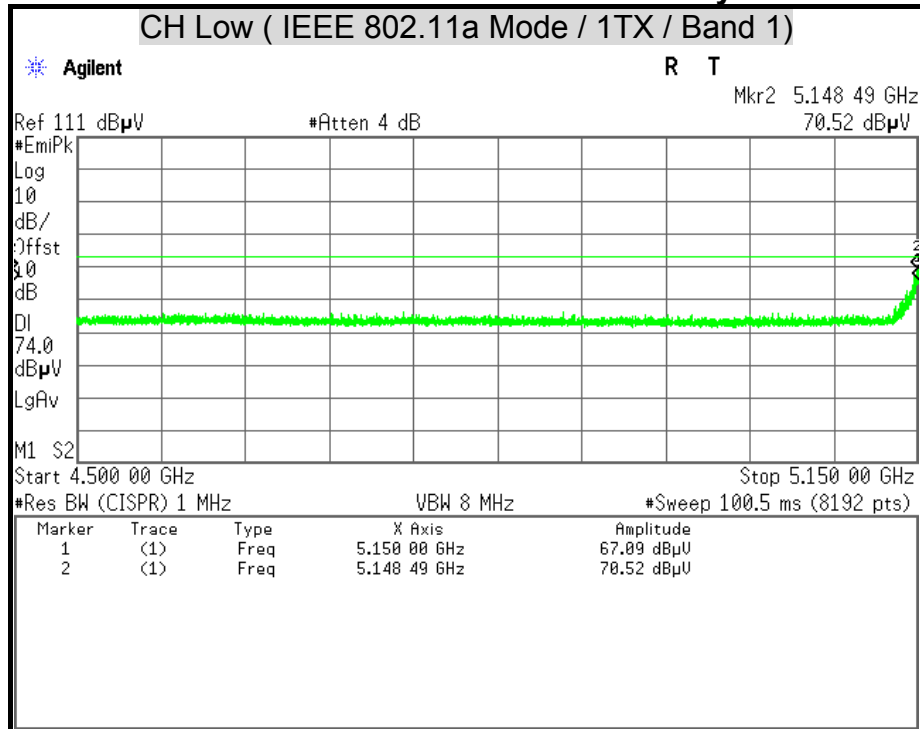
1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
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. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(AV)
Remark AVG = Result(AV) - Limit(AV)



Restricted Band Edges

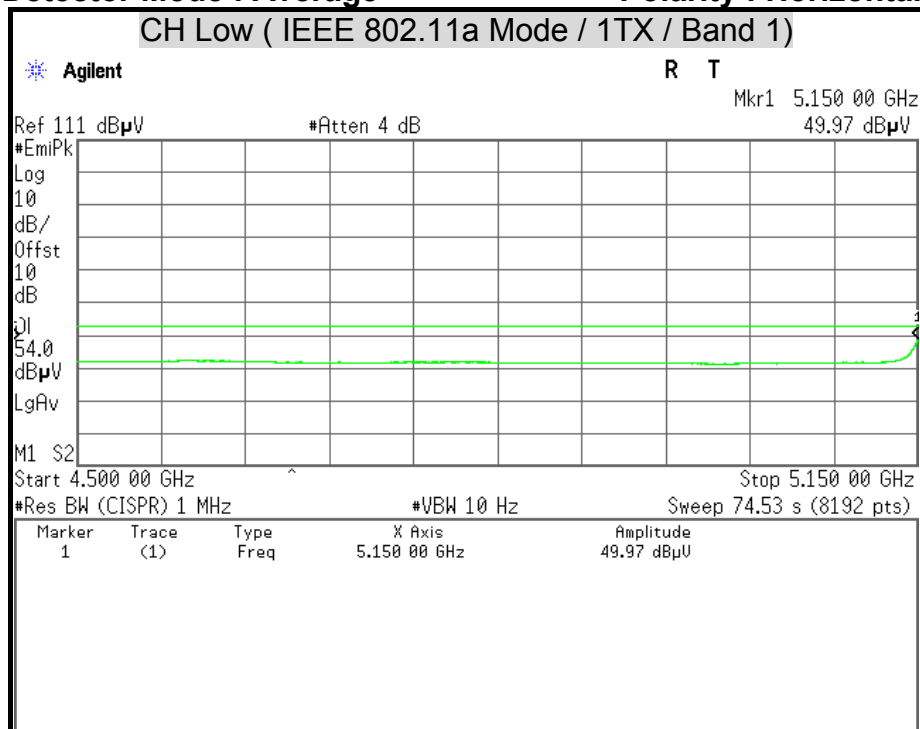
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

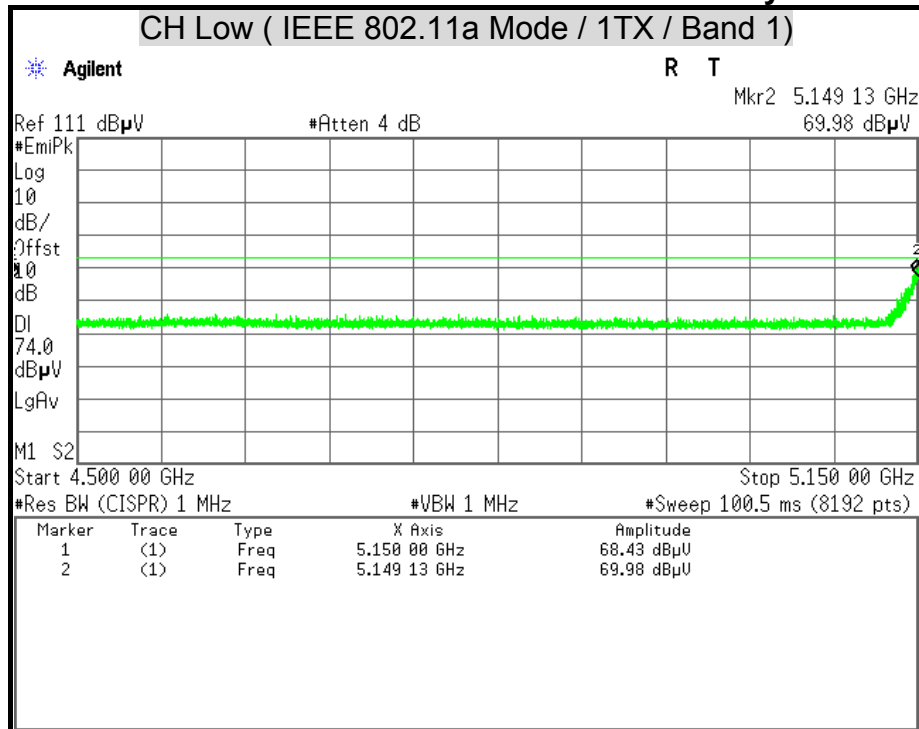
Polarity : Horizontal





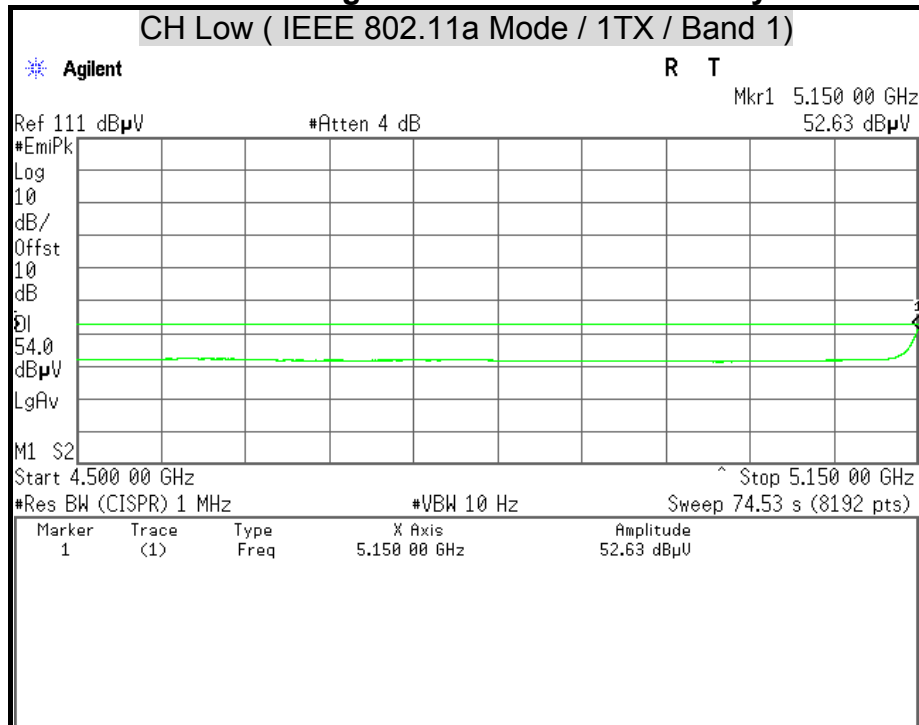
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

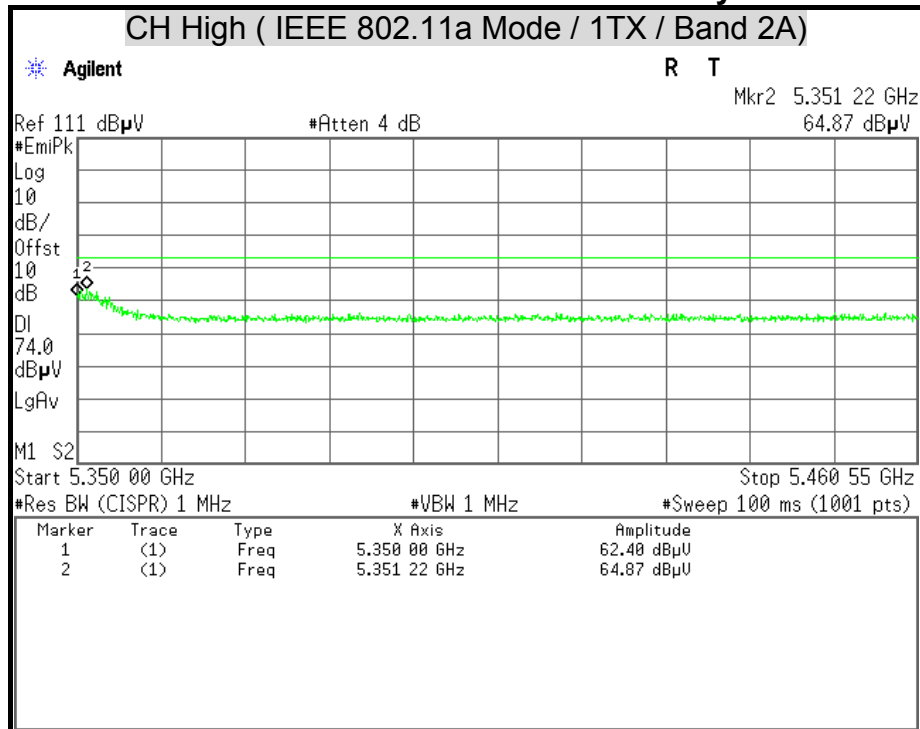
Polarity : Vertical





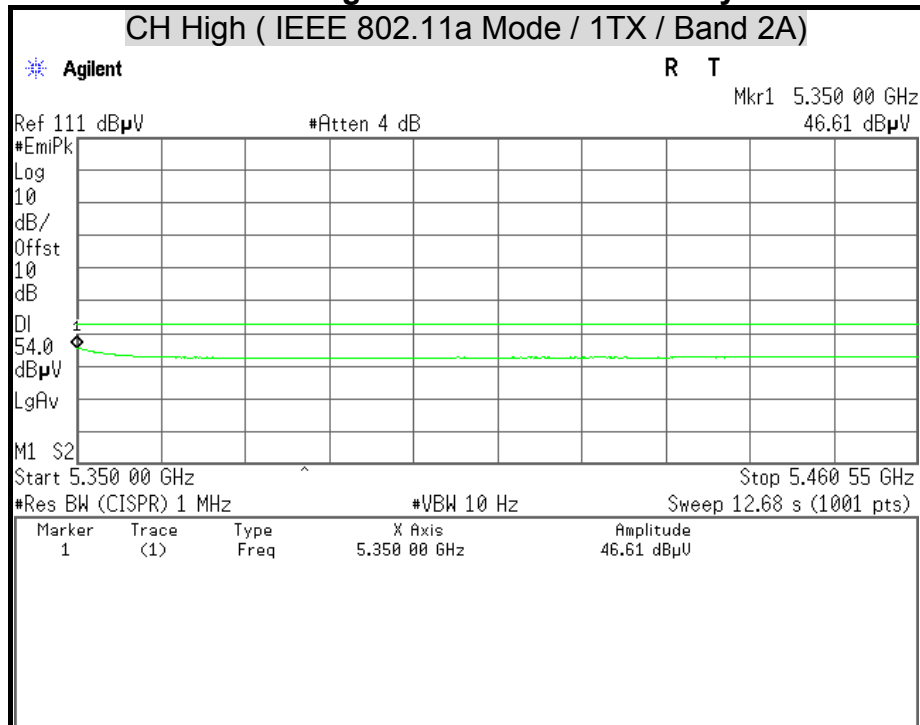
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

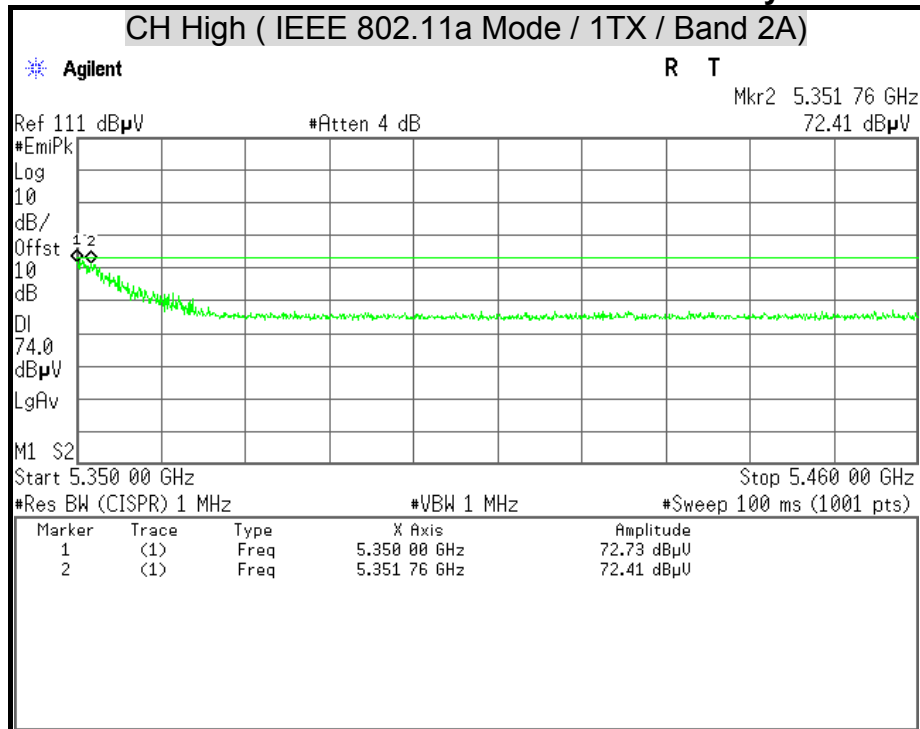
Polarity : Horizontal





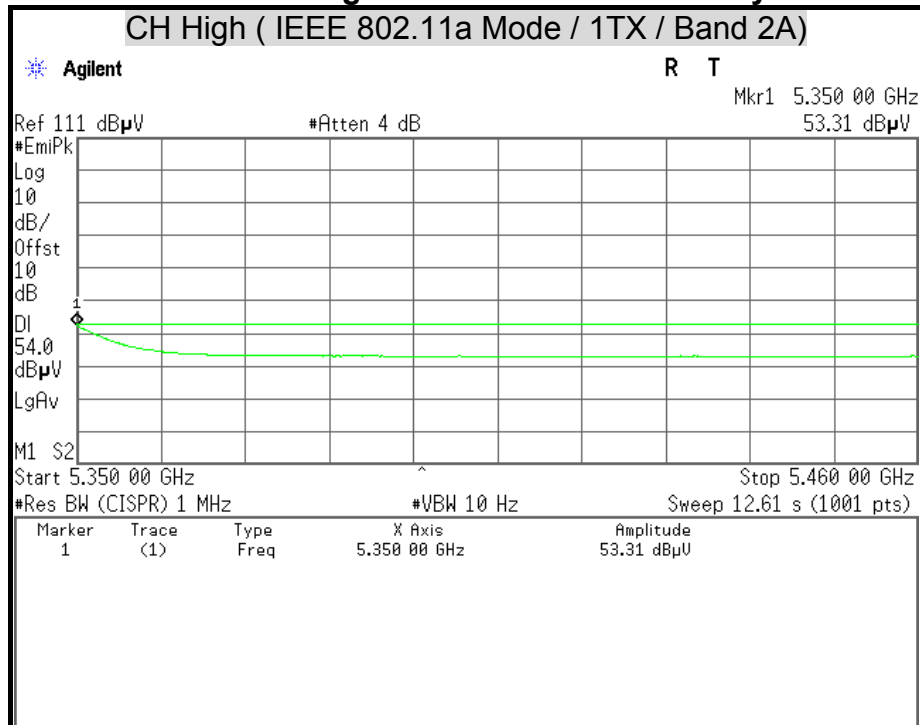
Detector Mode : Peak

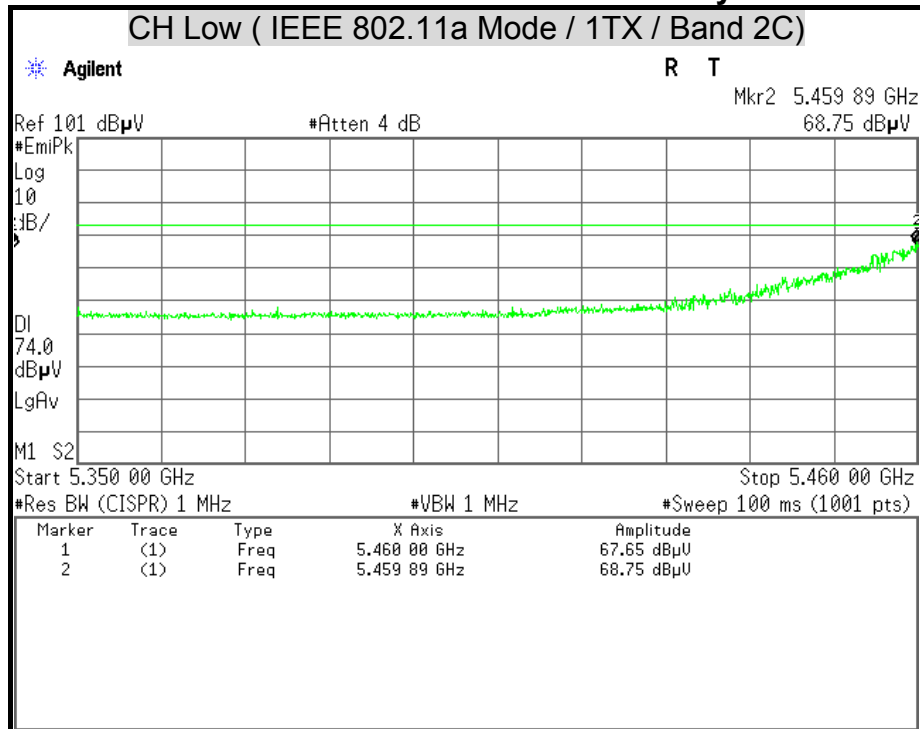
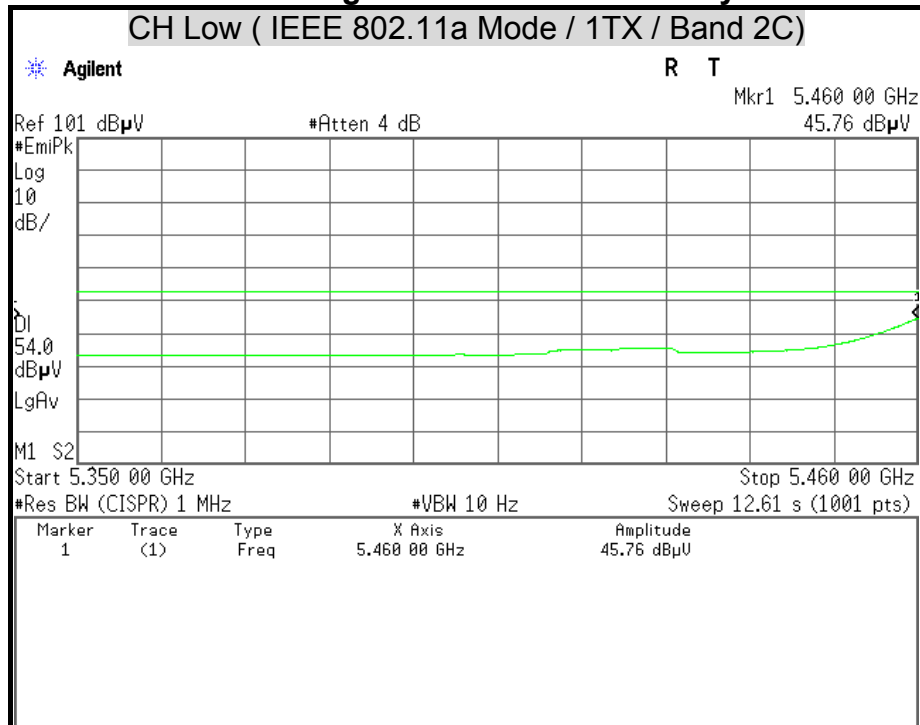
Polarity : Vertical

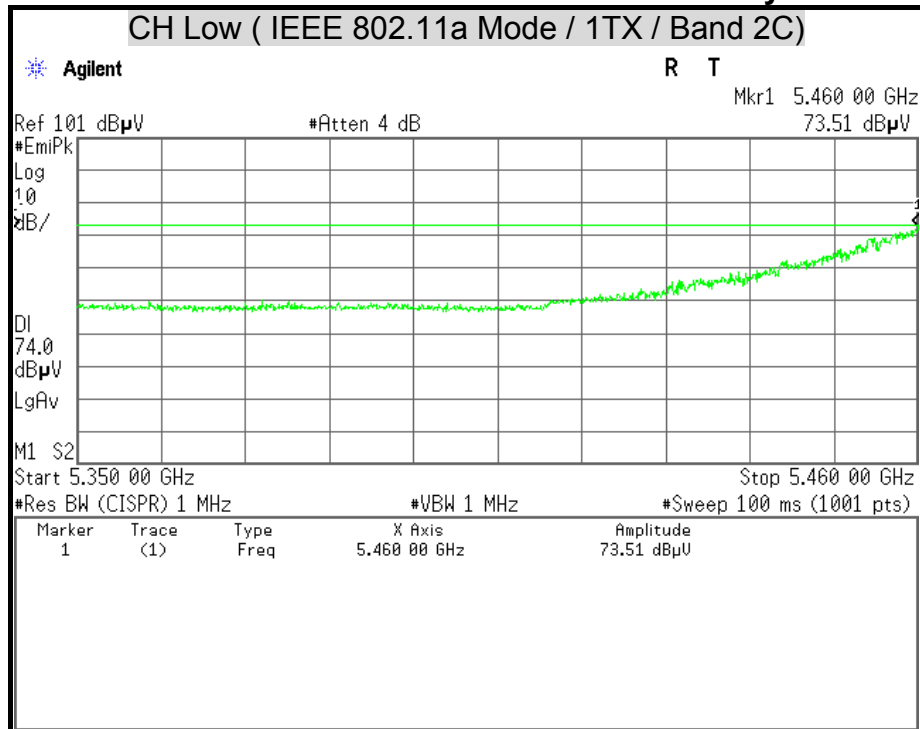
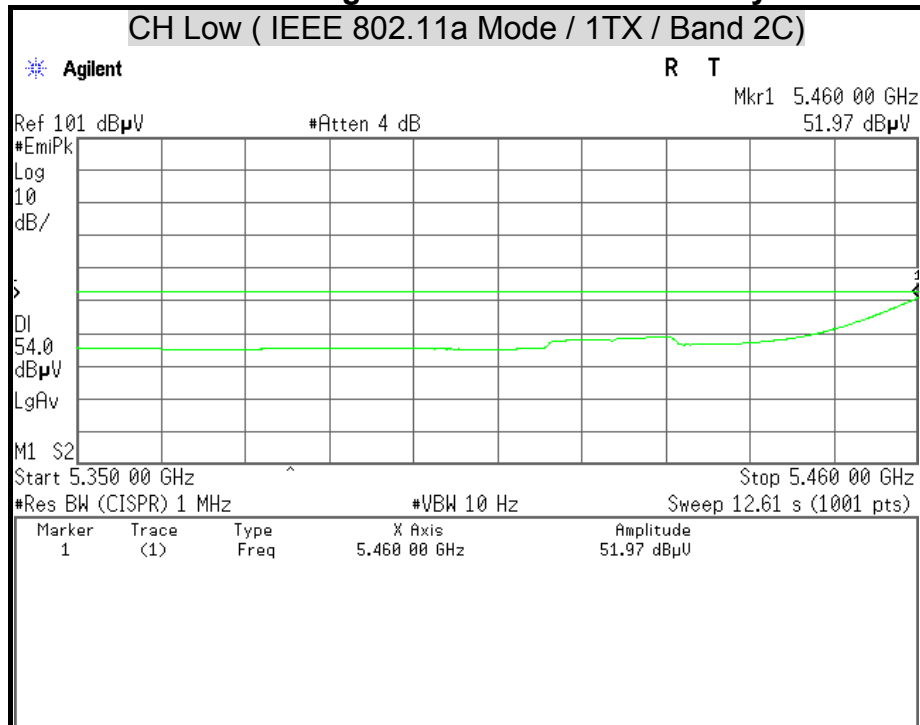


Detector Mode : Average

Polarity : Vertical



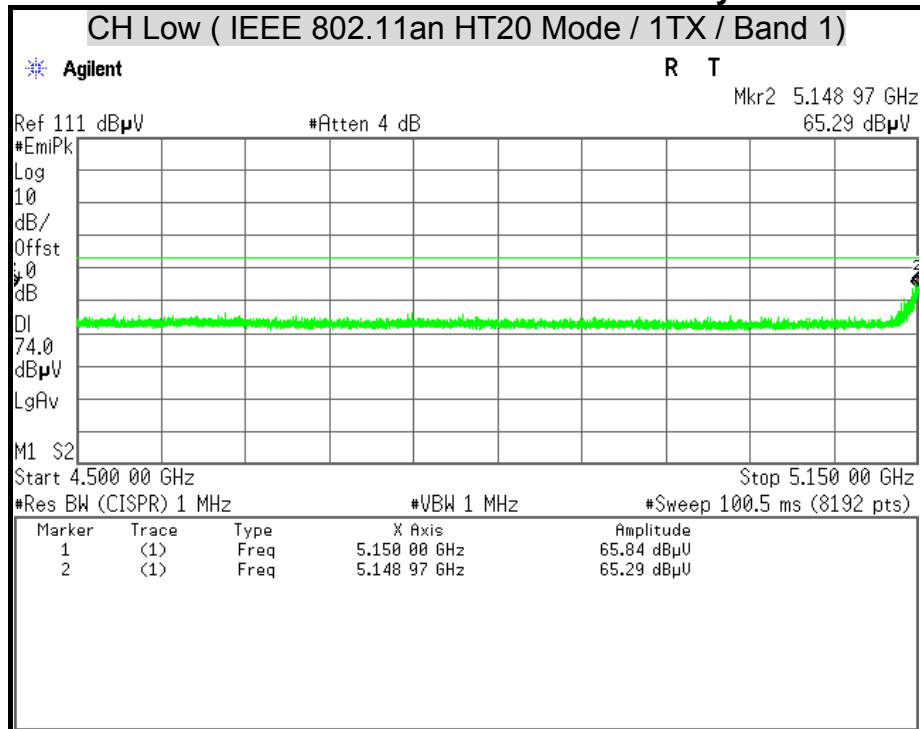
**Detector Mode : Peak****Polarity : Horizontal****Detector Mode : Average****Polarity : Horizontal**

**Detector Mode : Peak****Polarity : Vertical****Detector Mode : Average****Polarity : Vertical**



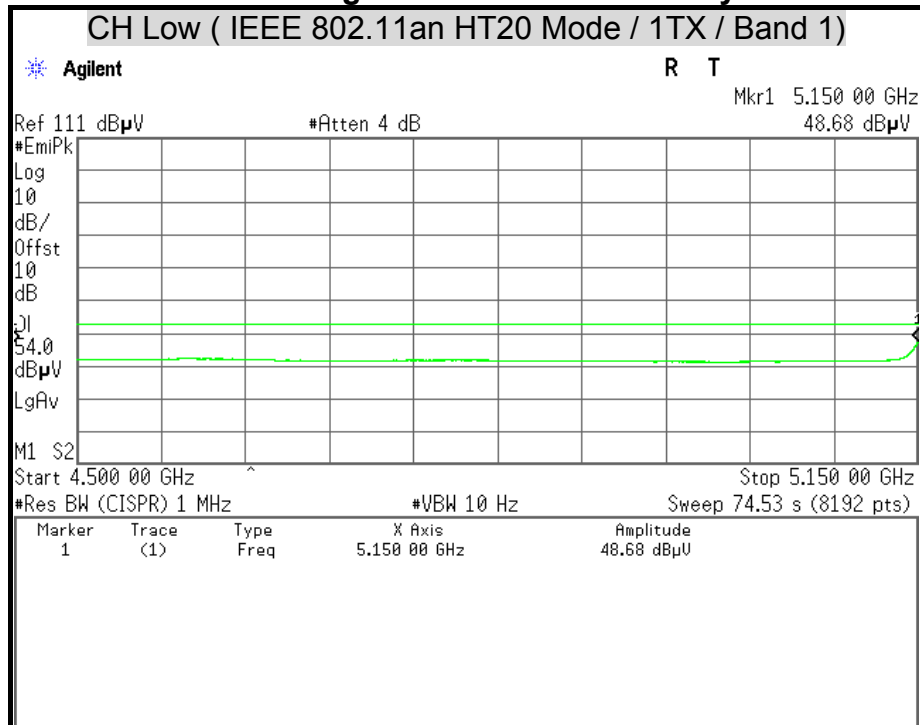
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

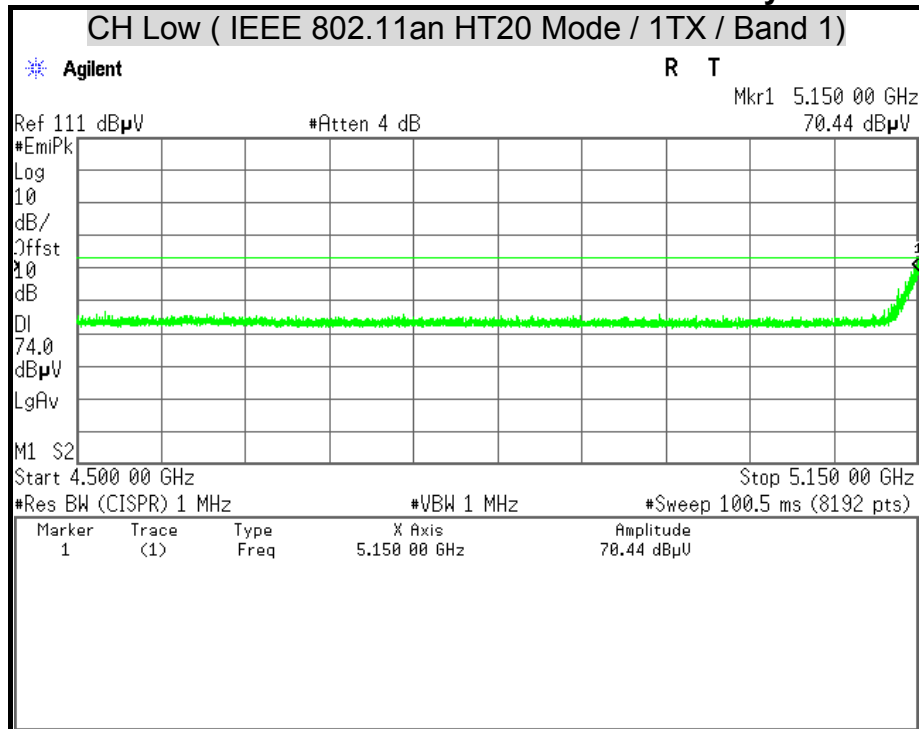
Polarity : Horizontal





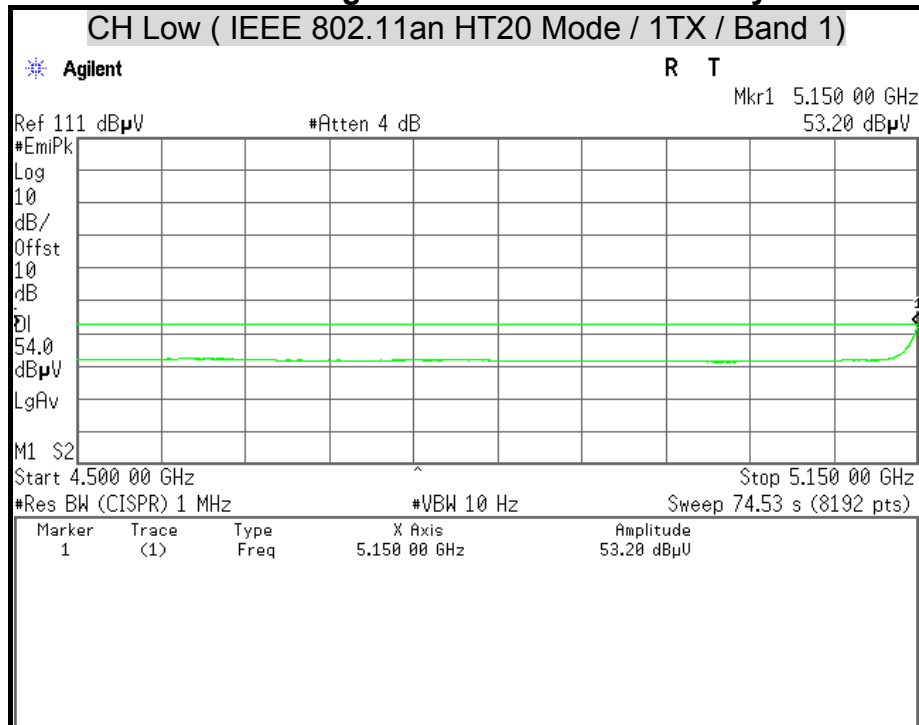
Detector Mode : Peak

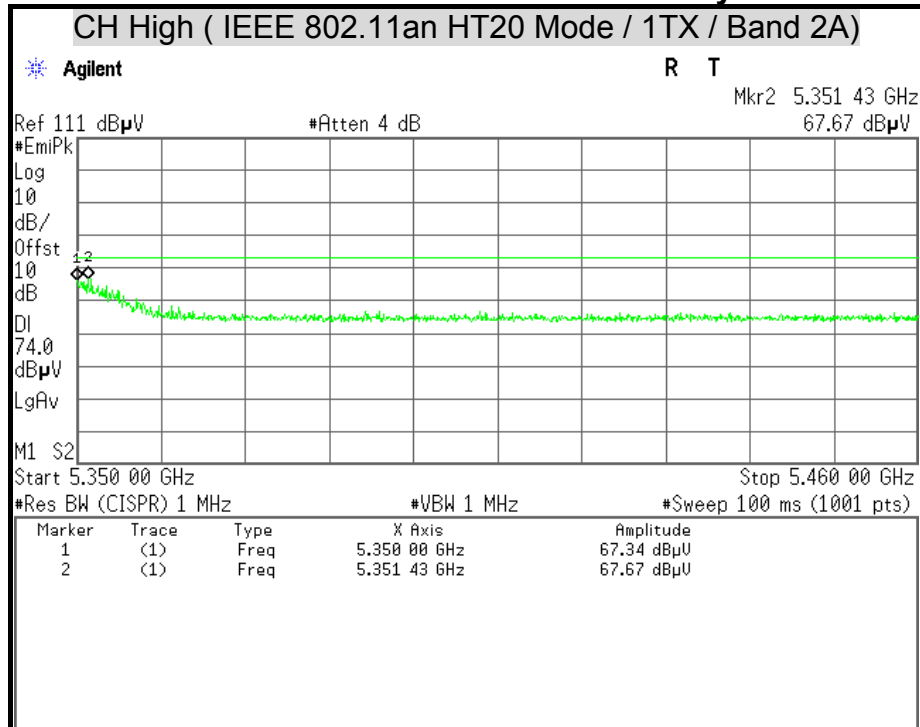
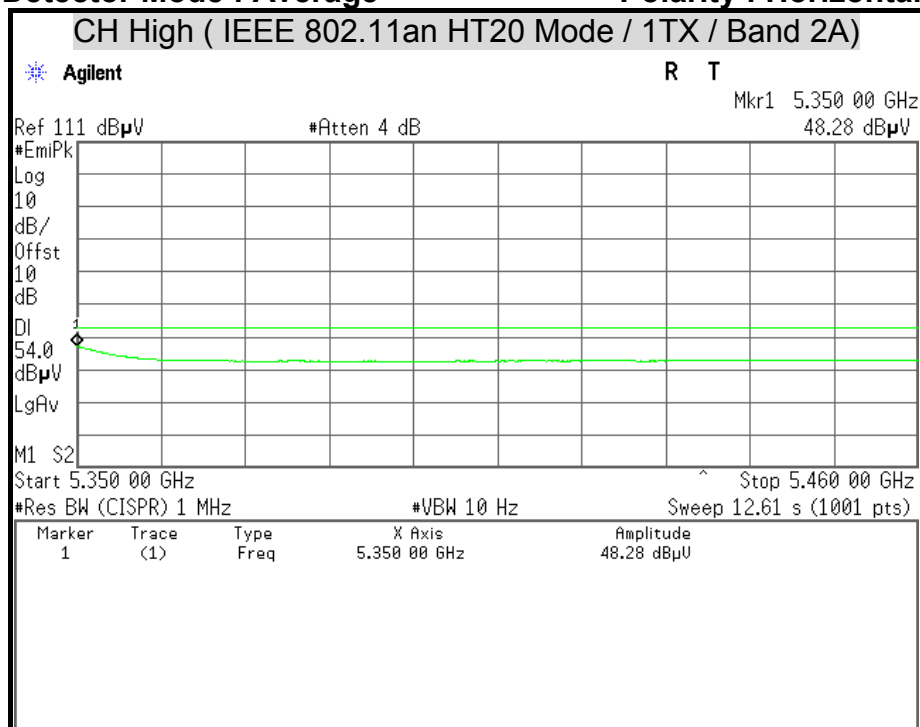
Polarity : Vertical



Detector Mode : Average

Polarity : Vertical

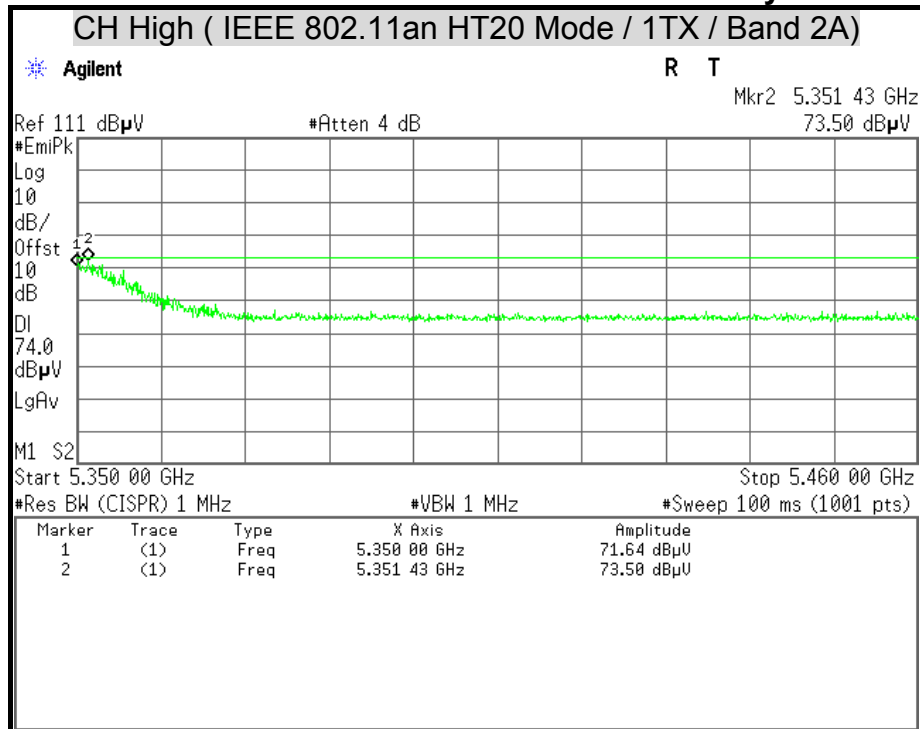


**Detector Mode : Peak****Polarity : Horizontal****Detector Mode : Average****Polarity : Horizontal**



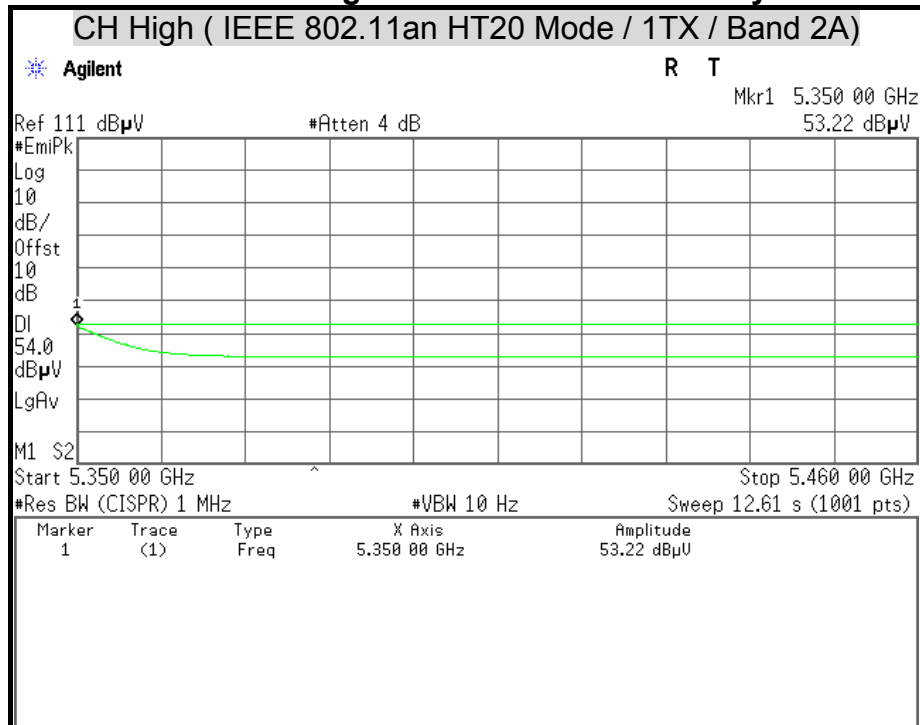
Detector Mode : Peak

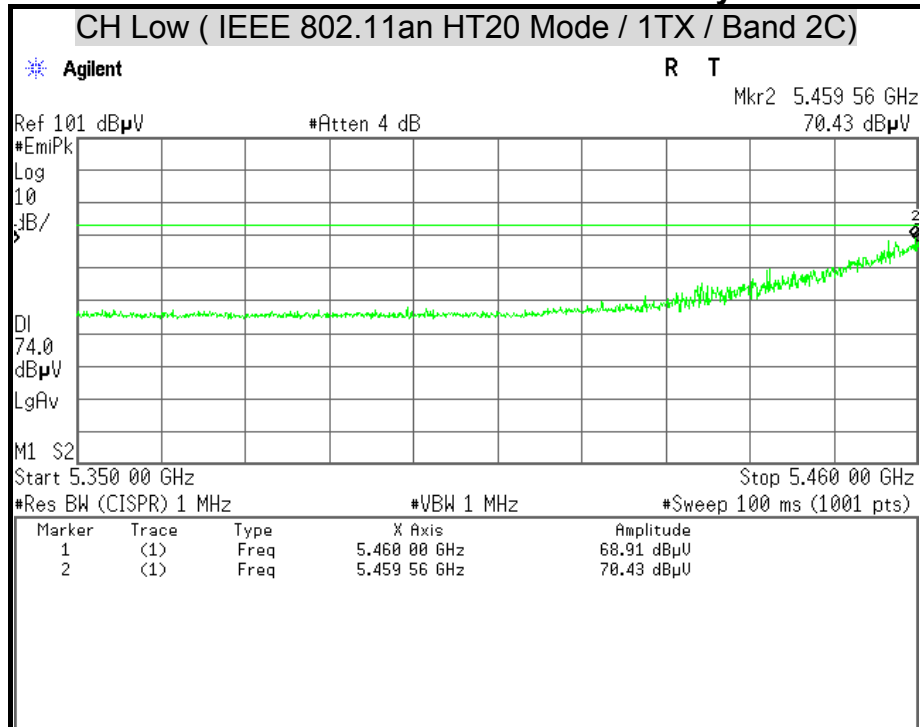
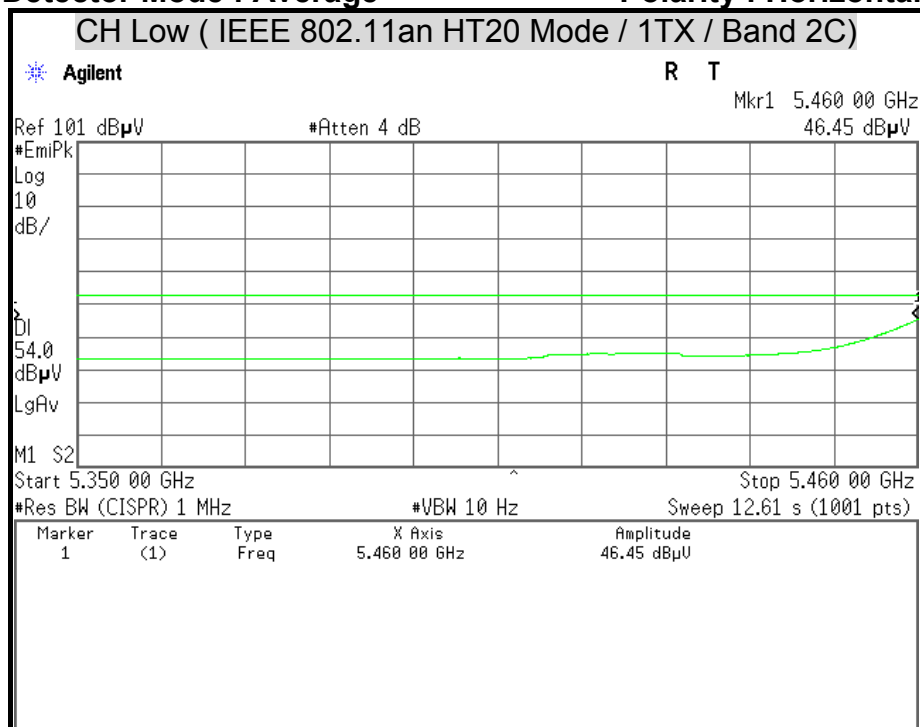
Polarity : Vertical



Detector Mode : Average

Polarity : Vertical

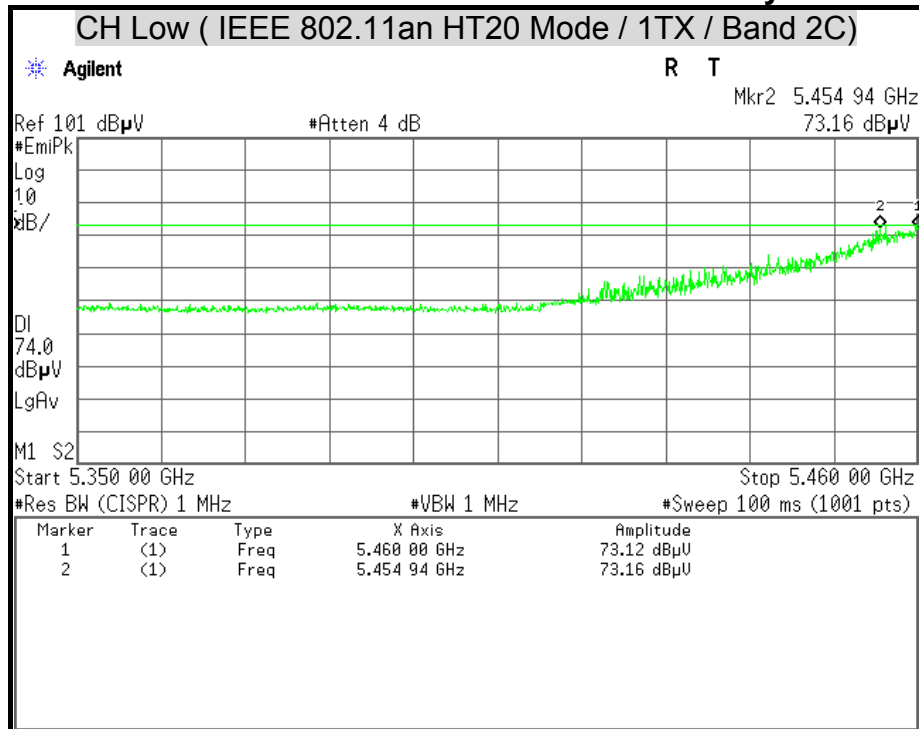


**Detector Mode : Peak****Polarity : Horizontal****Detector Mode : Average****Polarity : Horizontal**



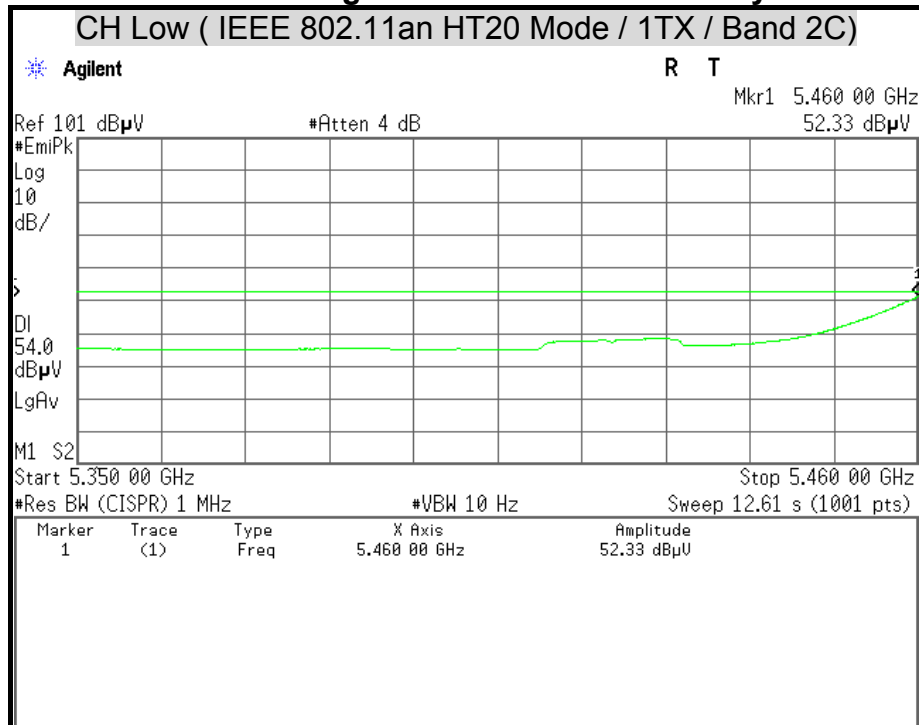
Detector Mode : Peak

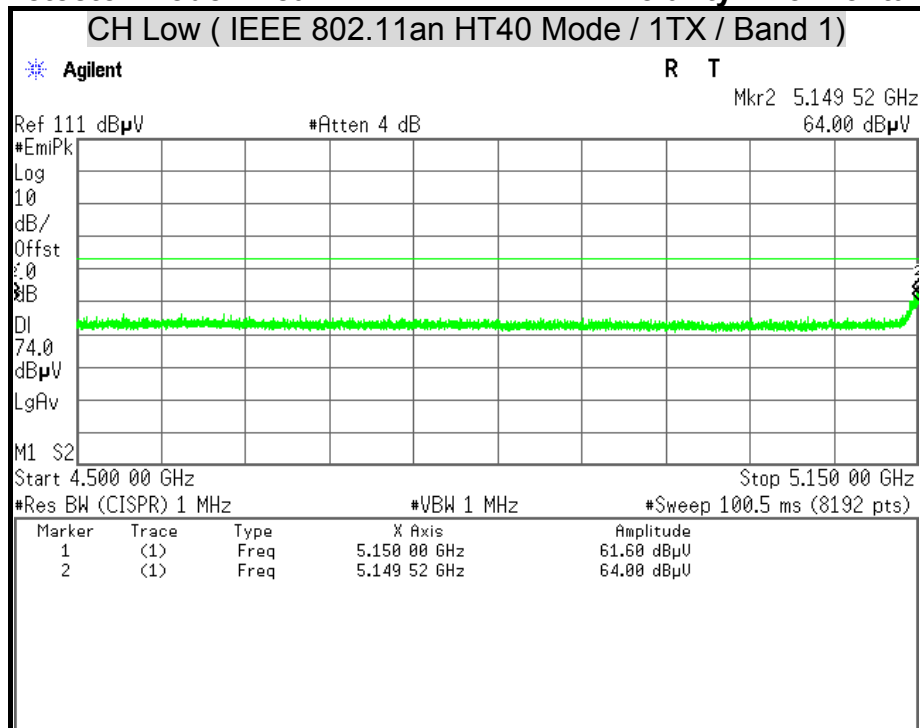
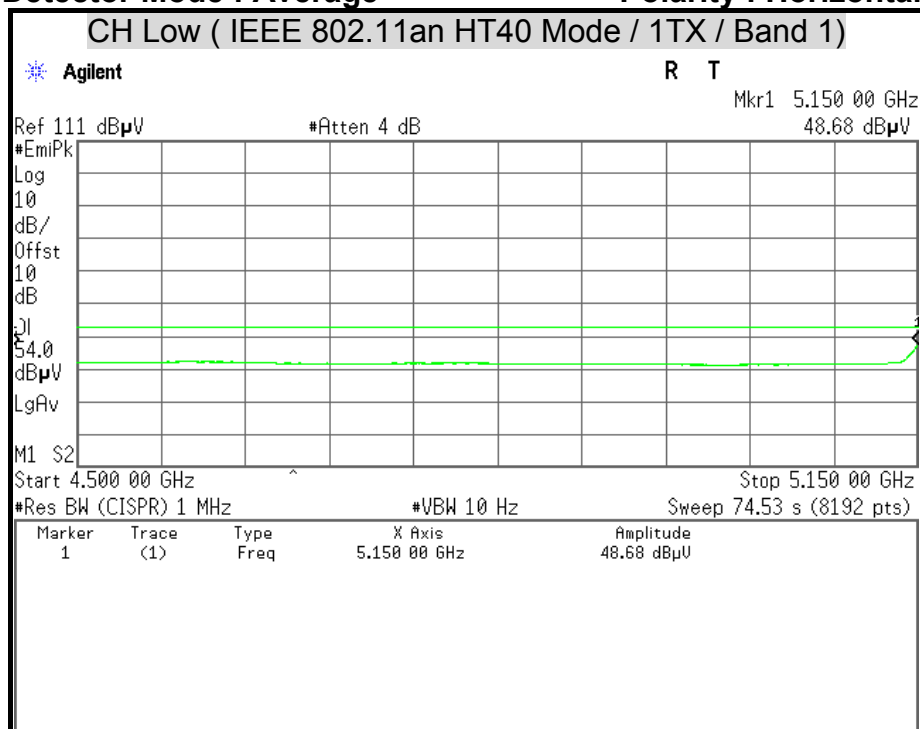
Polarity : Vertical



Detector Mode : Average

Polarity : Vertical

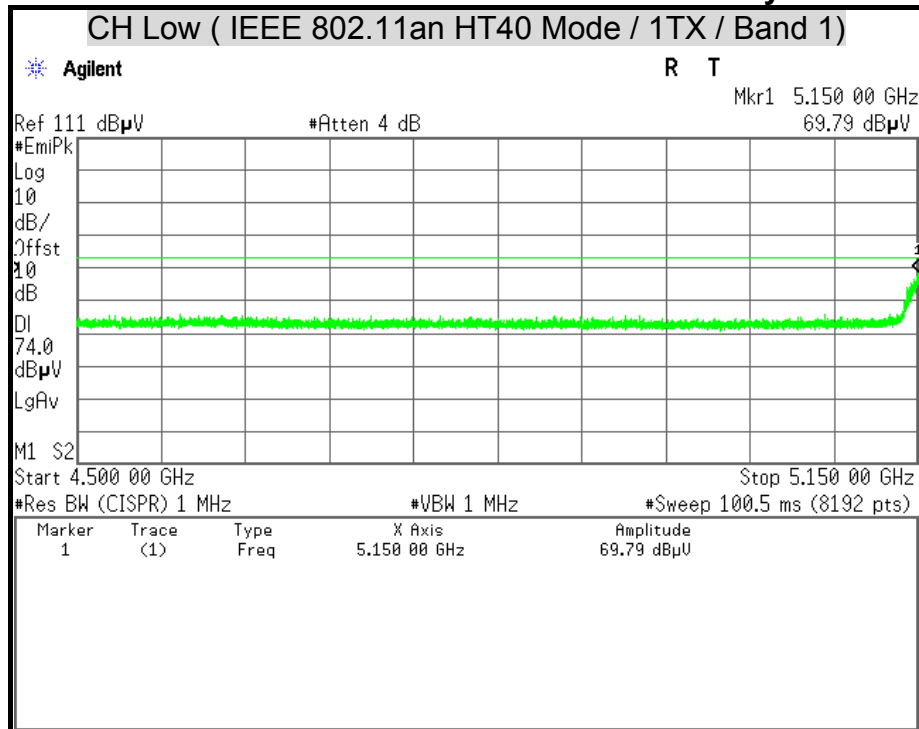


**Detector Mode : Peak****Polarity : Horizontal****Detector Mode : Average****Polarity : Horizontal**



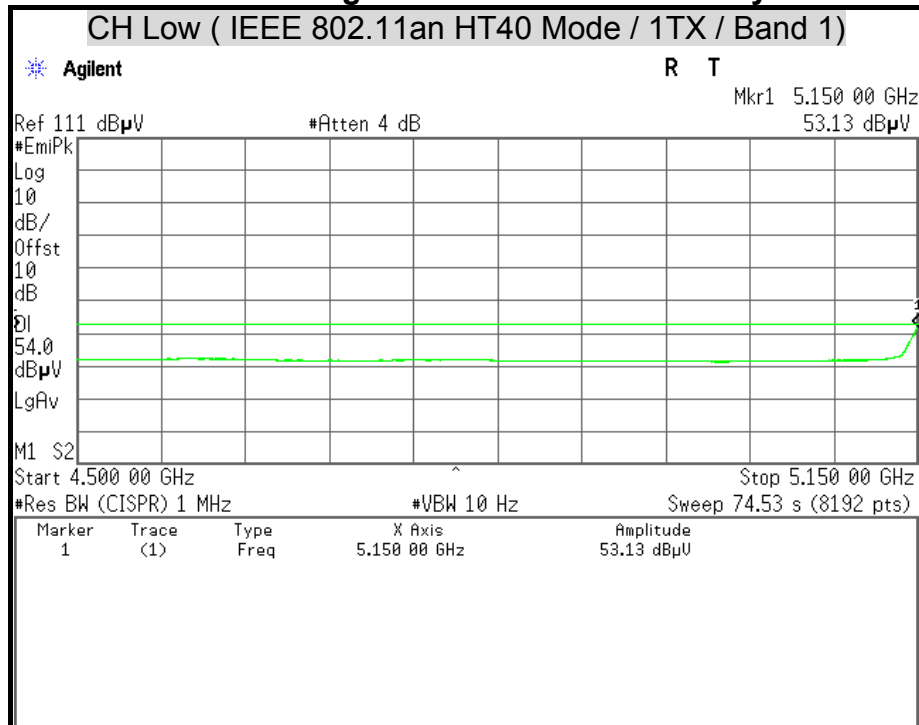
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

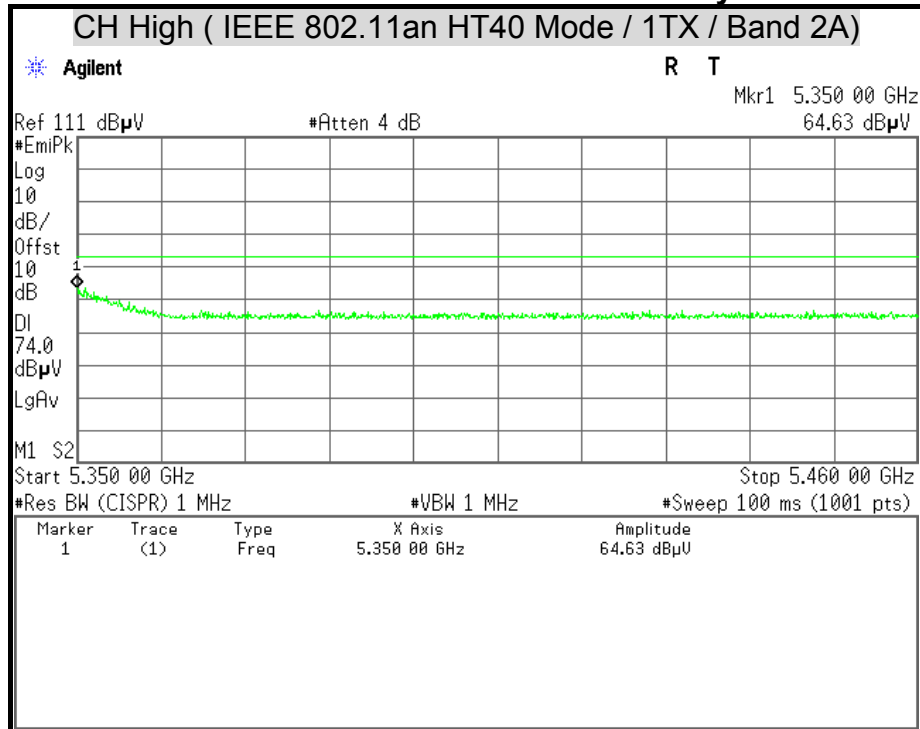
Polarity : Vertical





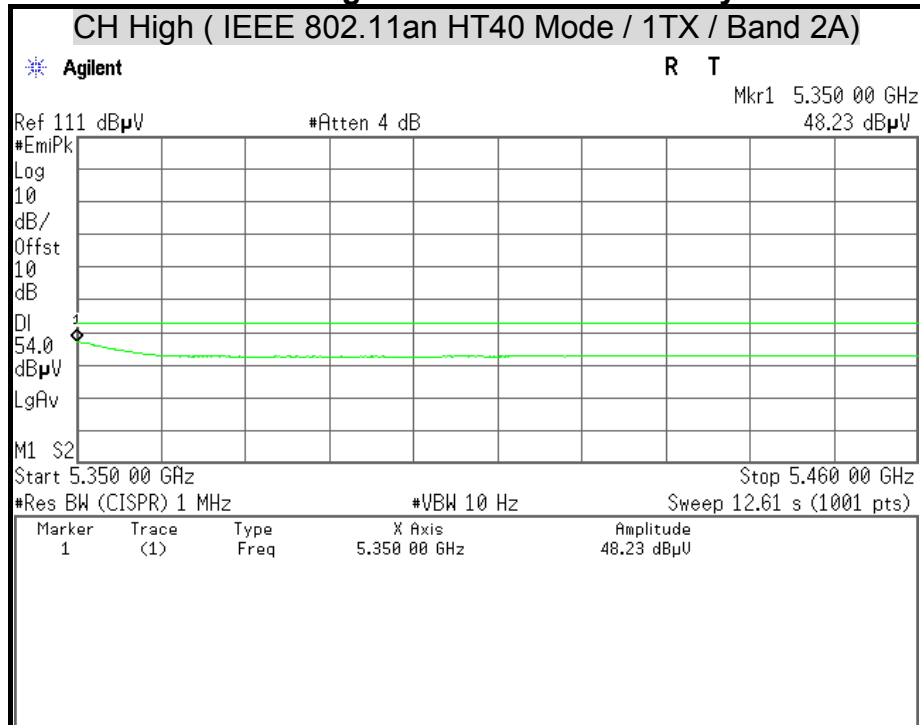
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

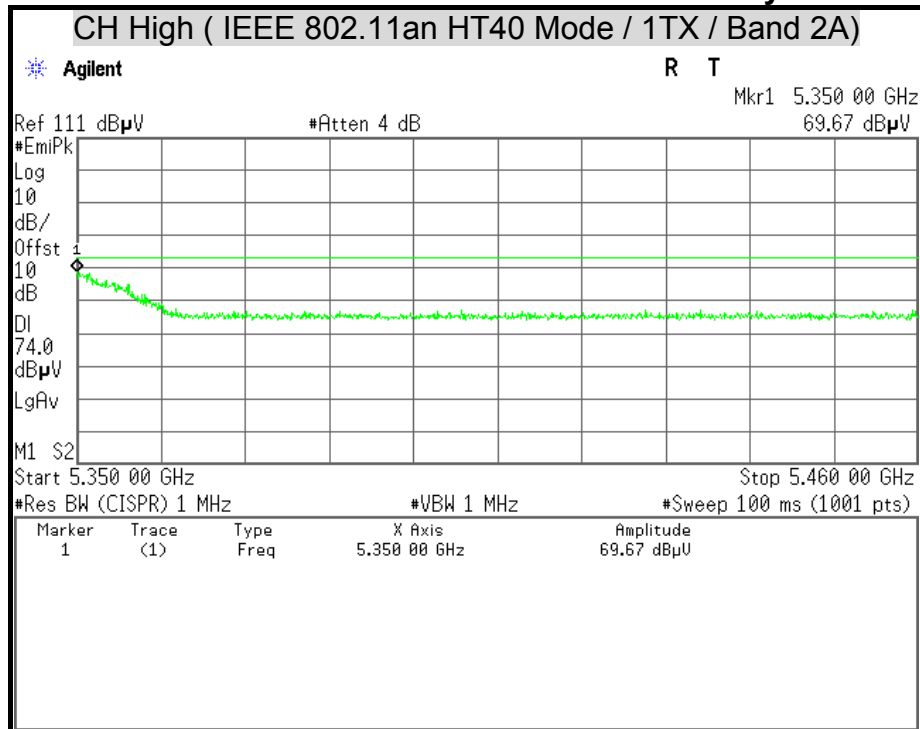
Polarity : Horizontal





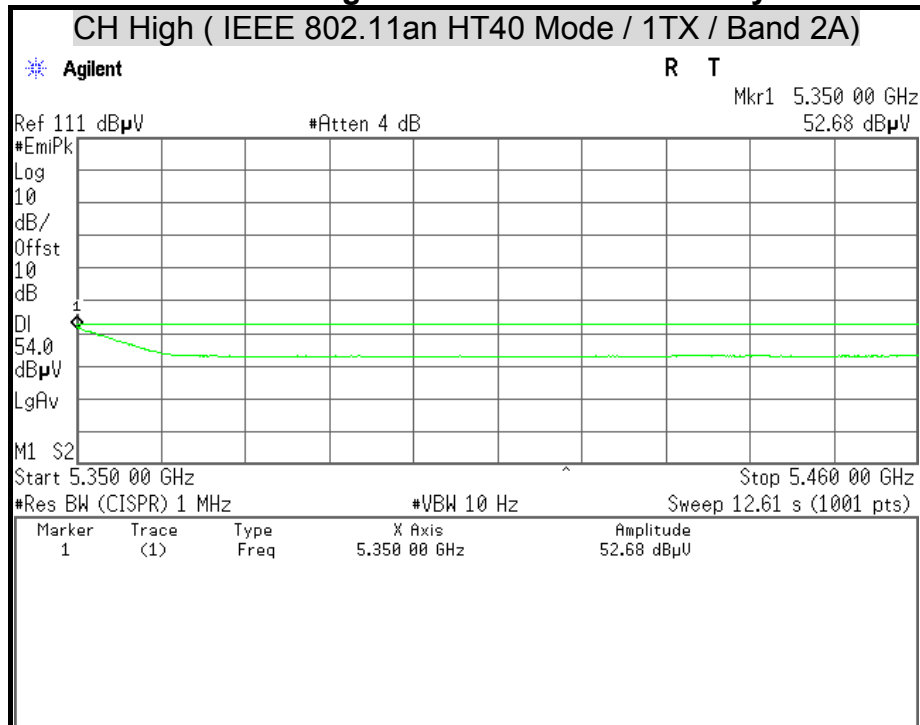
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

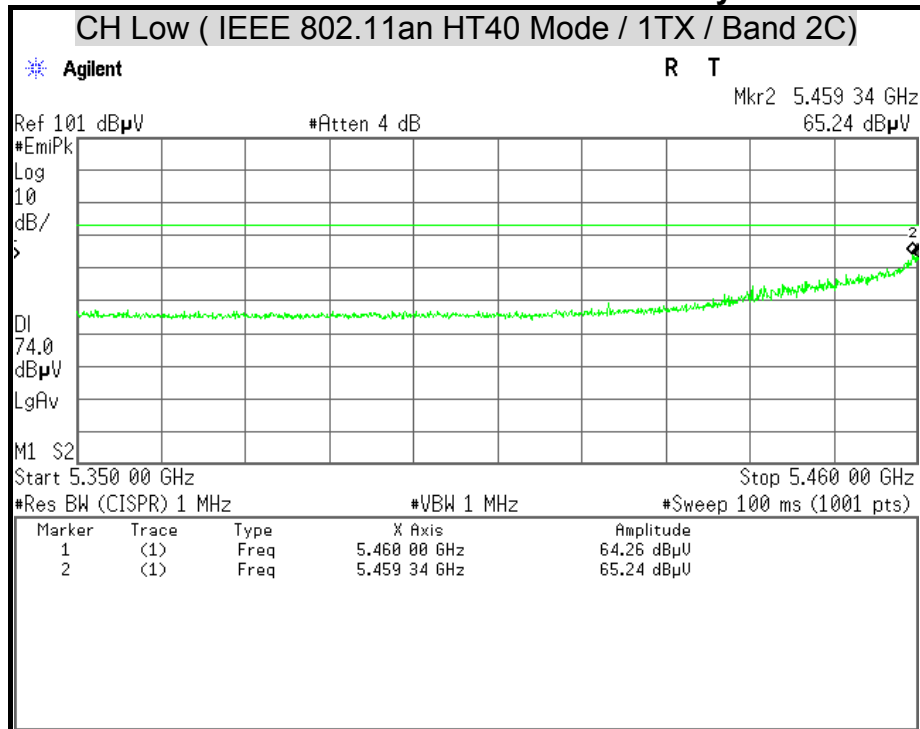
Polarity : Vertical





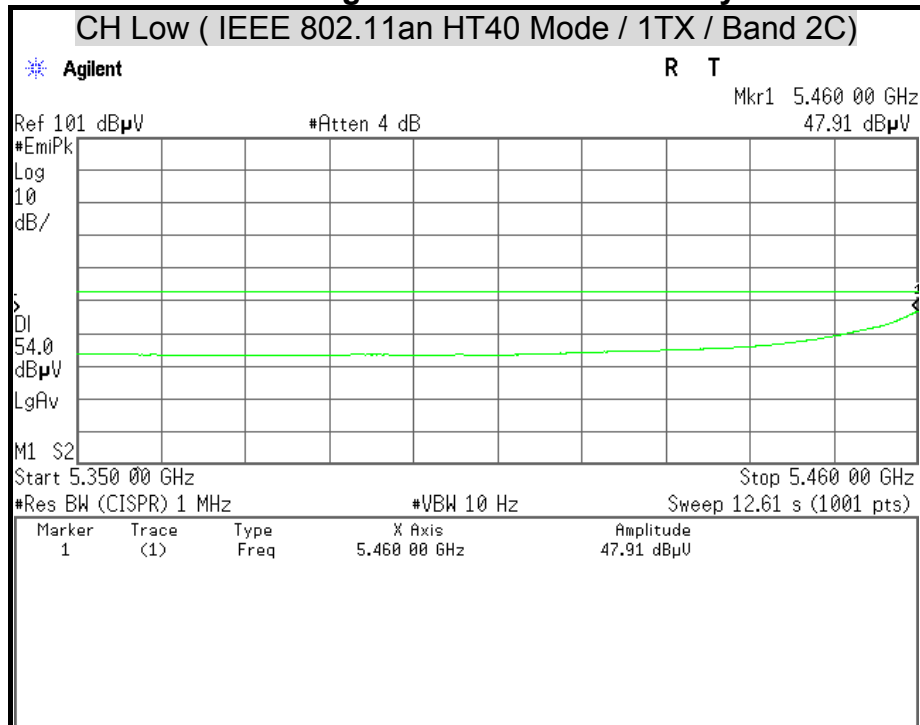
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

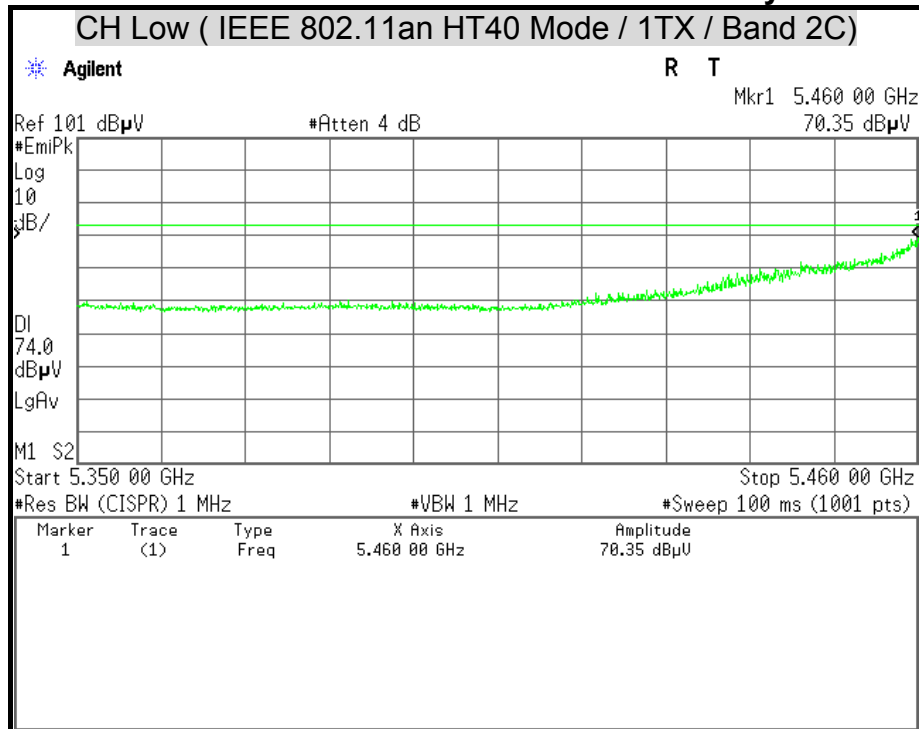
Polarity : Horizontal





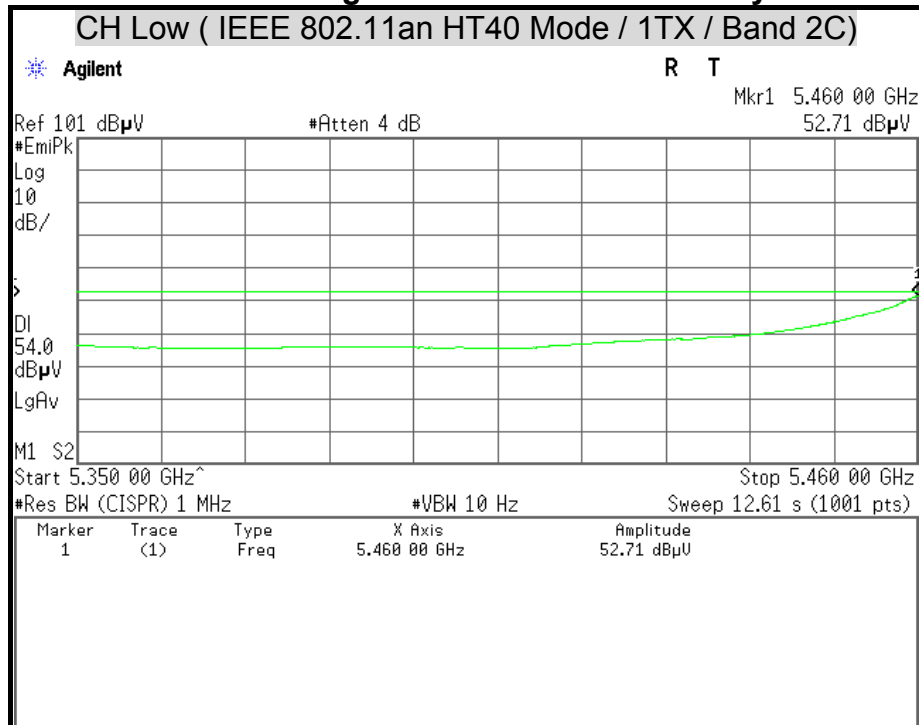
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

Polarity : Vertical



**Detector Mode : Peak****Polarity : Horizontal****CH Low (IEEE 802.11a Mode / 2TX / Band 1)**

Agilent

R T

Mkr2 5.149 60 GHz

Ref 111 dBμV

#Atten 4 dB

66.45 dBμV

#EmiPk

Log

10

dB/

Offst

0

dB

DI

74.0

dBμV

LgAv

M1 S2

Start 4.500 00 GHz

Stop 5.150 00 GHz

#Res BW (CISPR) 1 MHz

#VBW 1 MHz

#Sweep 100.5 ms (8192 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	5.150 00 GHz	62.26 dBμV
2	(1)	Freq	5.149 60 GHz	66.45 dBμV

Detector Mode : Average**Polarity : Horizontal****CH Low (IEEE 802.11a Mode / 2TX / Band 1)**

Agilent

R T

Mkr1 5.150 00 GHz

Ref 111 dBμV

#Atten 4 dB

47.45 dBμV

#EmiPk

Log

10

dB/

Offst

10

dB

DI

54.0

dBμV

LgAv

M1 S2

Start 4.500 00 GHz

Stop 5.150 00 GHz

#Res BW (CISPR) 1 MHz

#VBW 10 Hz

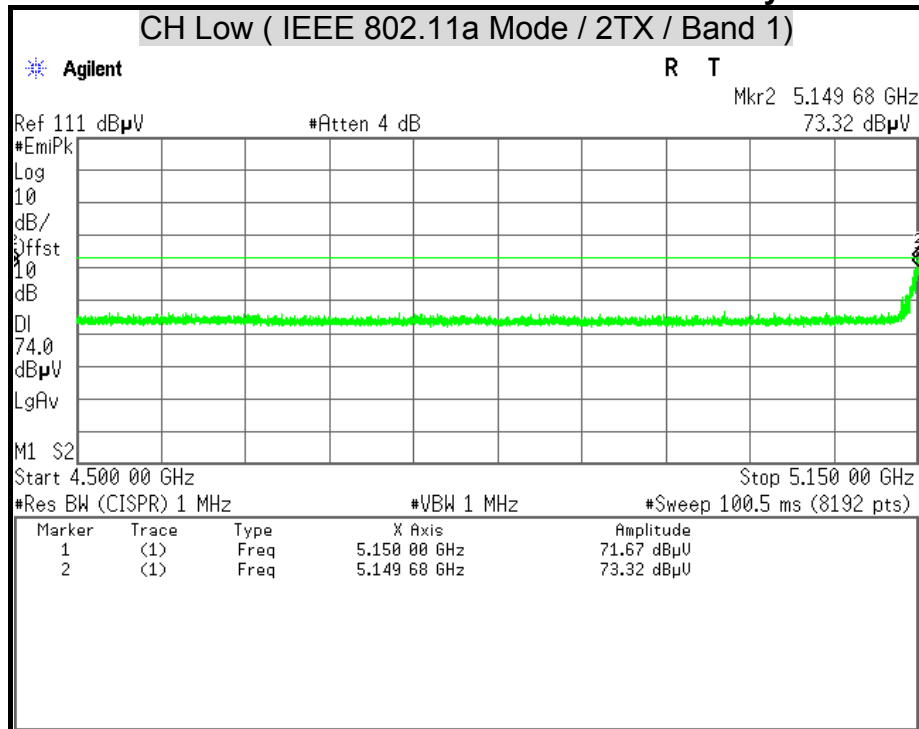
Sweep 74.53 s (8192 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	5.150 00 GHz	47.45 dBμV



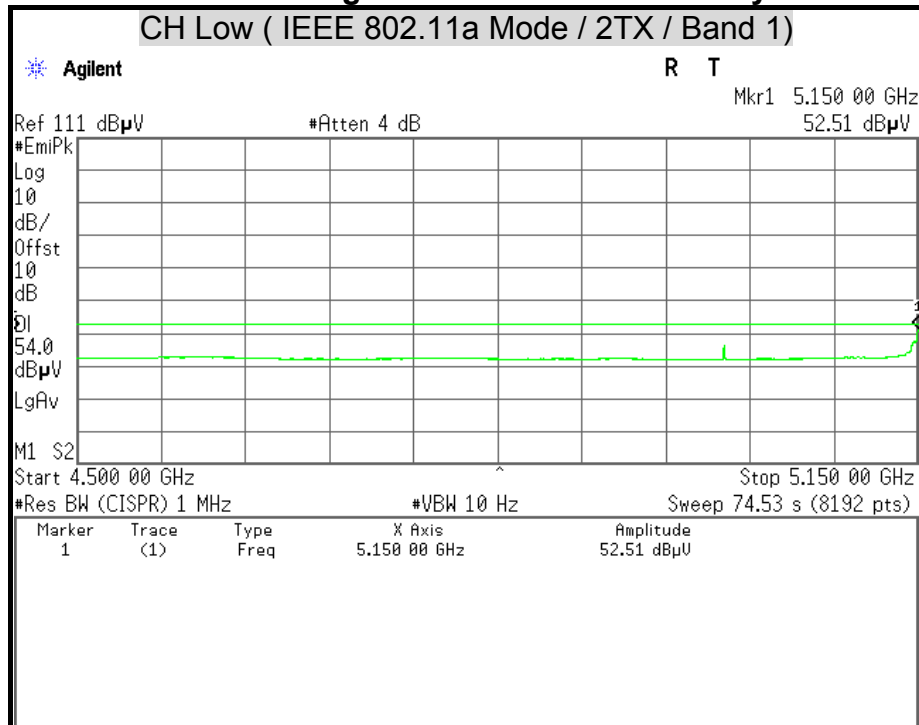
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

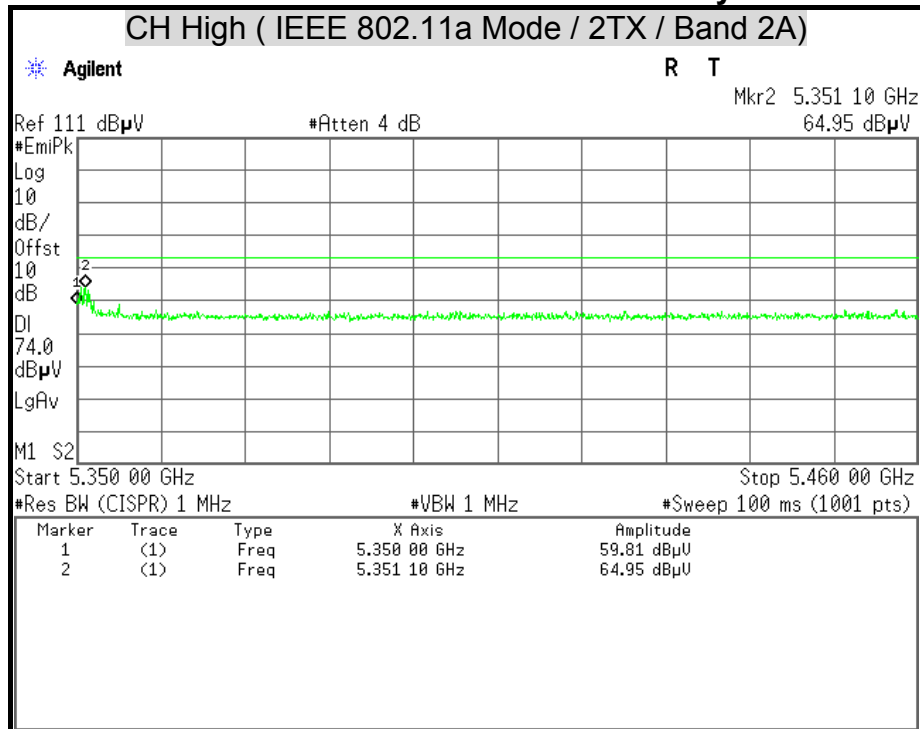
Polarity : Vertical





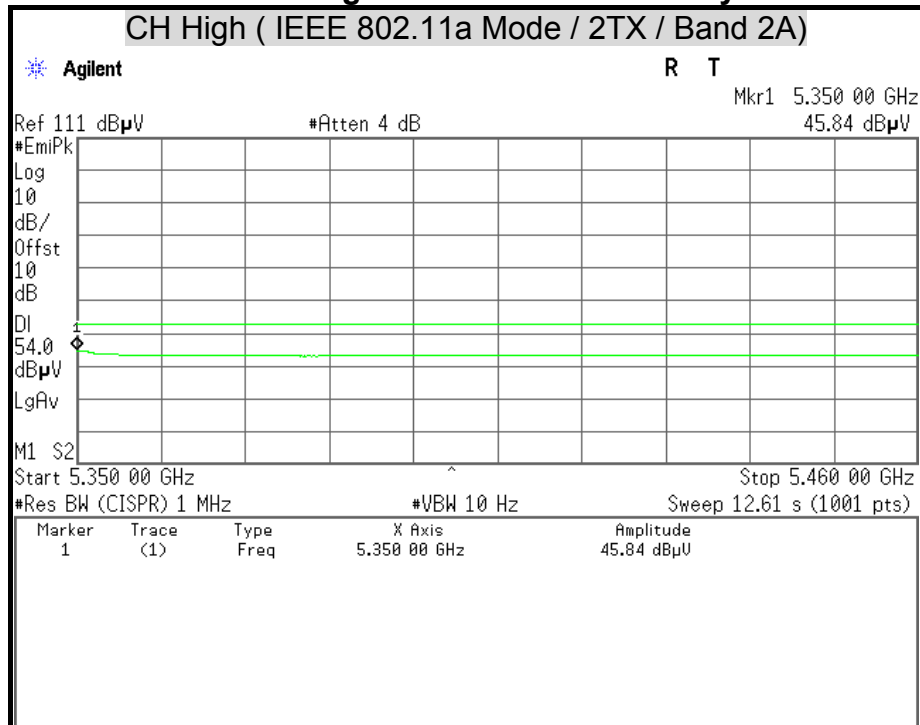
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

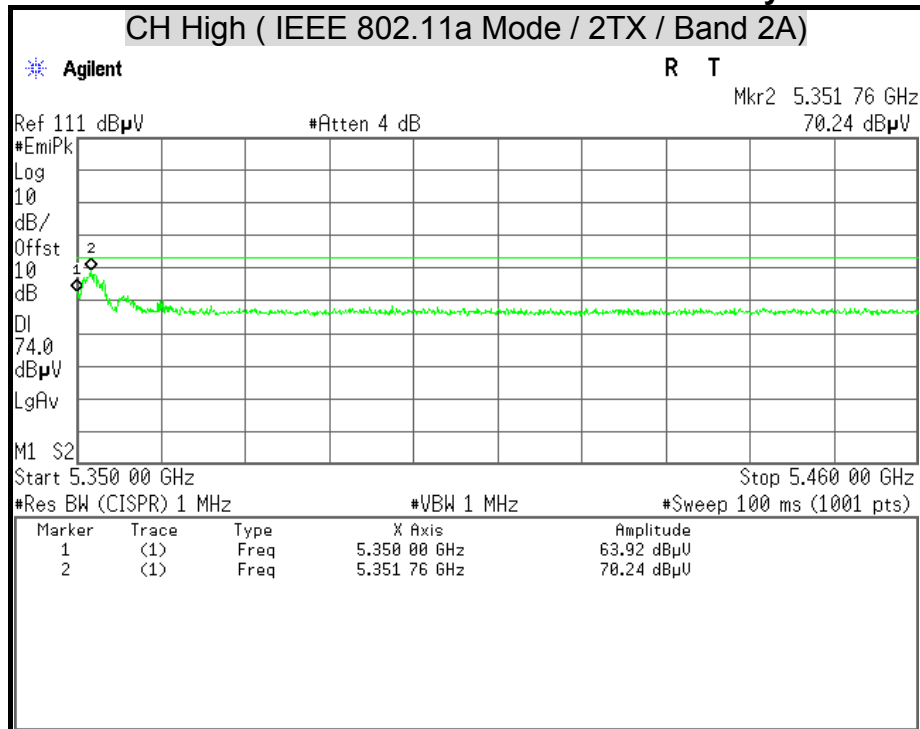
Polarity : Horizontal





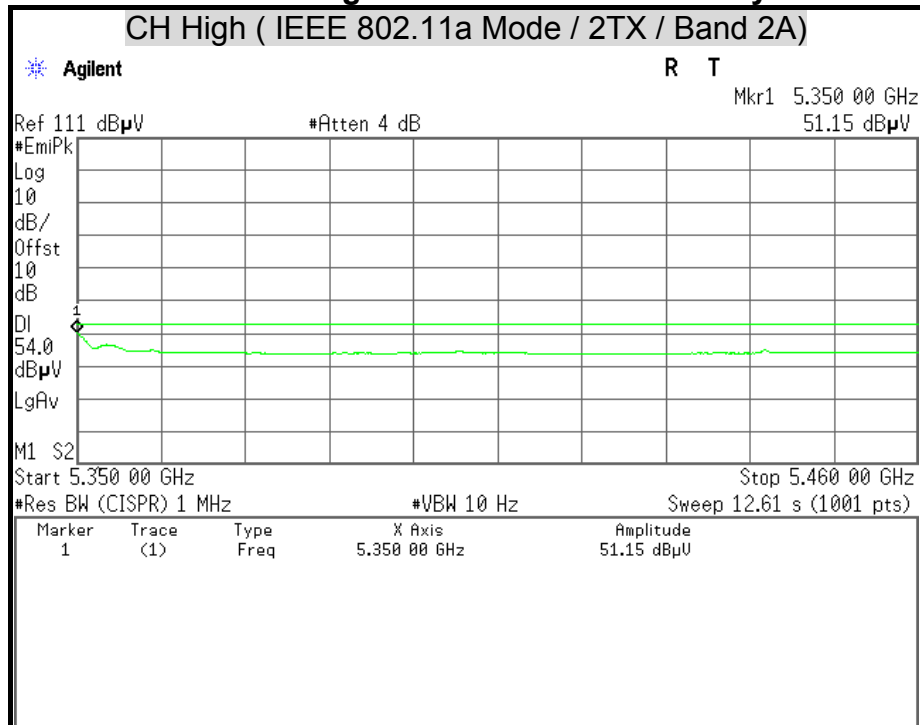
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

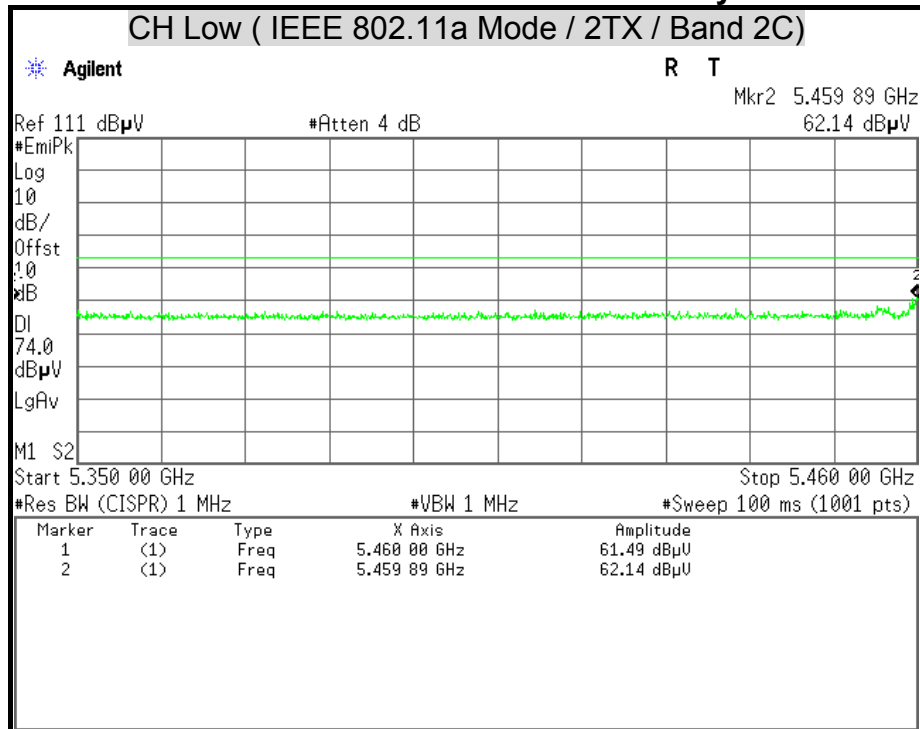
Polarity : Vertical





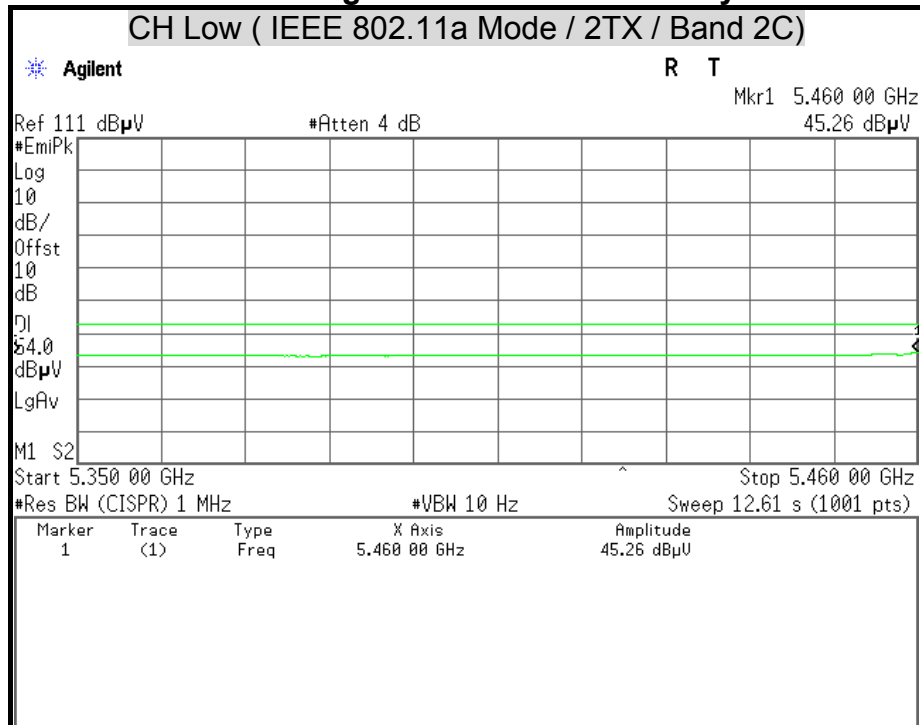
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

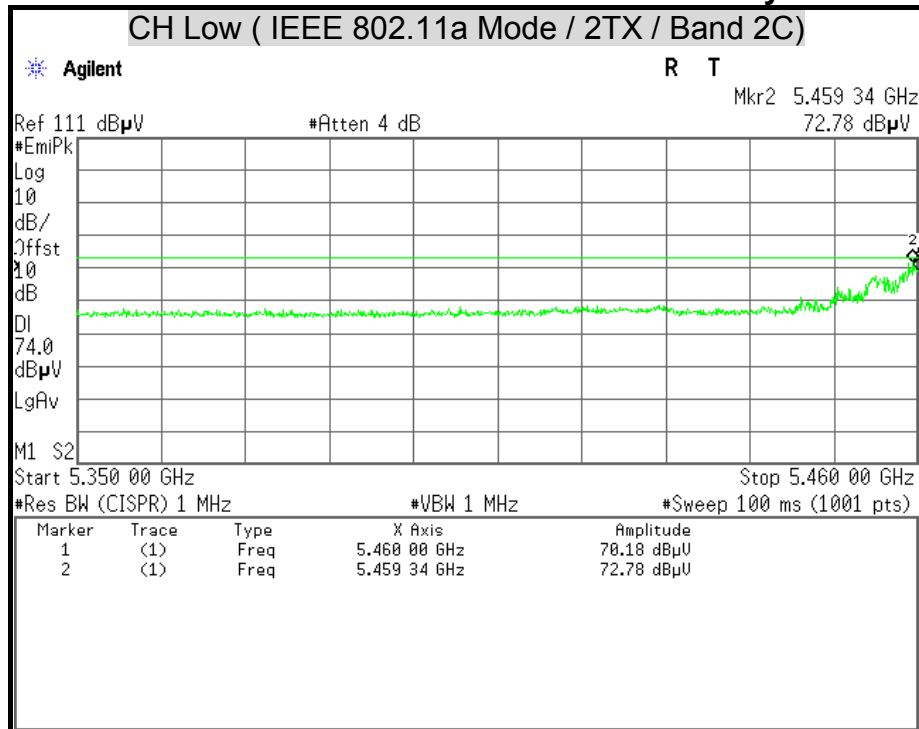
Polarity : Horizontal





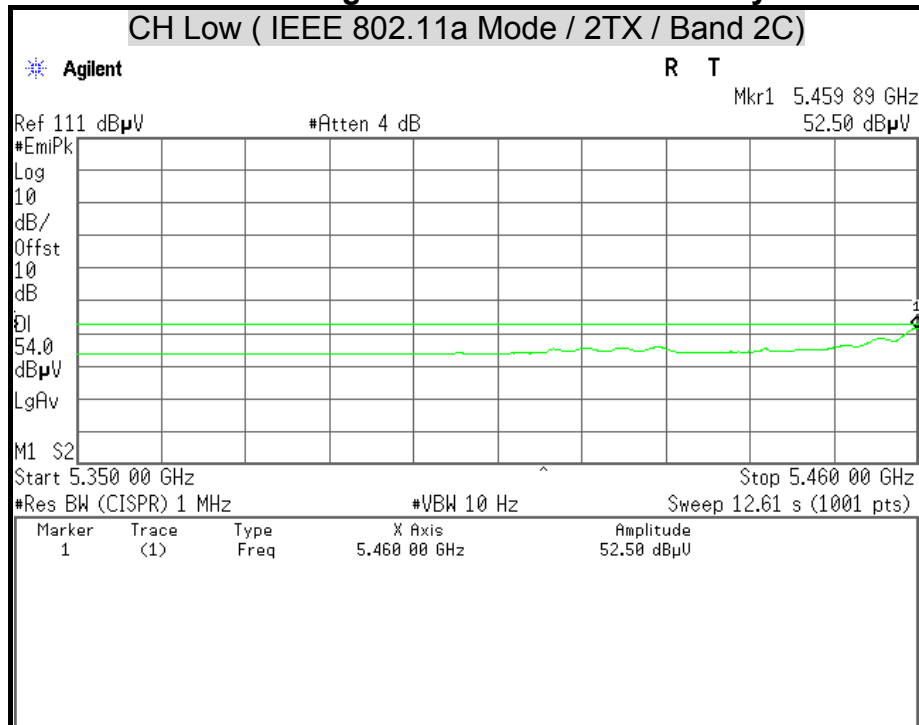
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

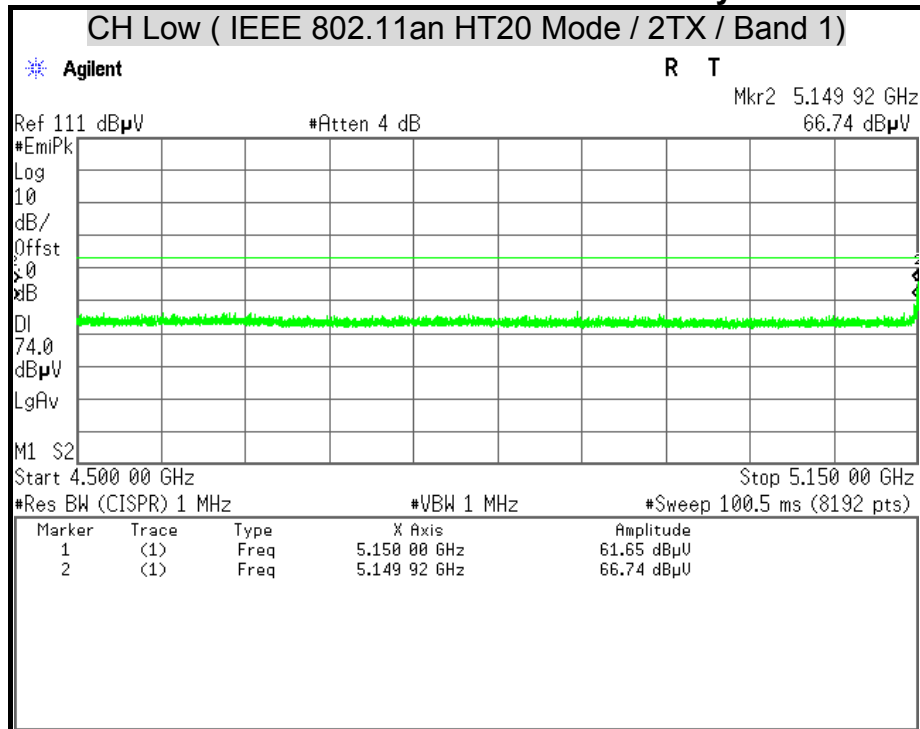
Polarity : Vertical





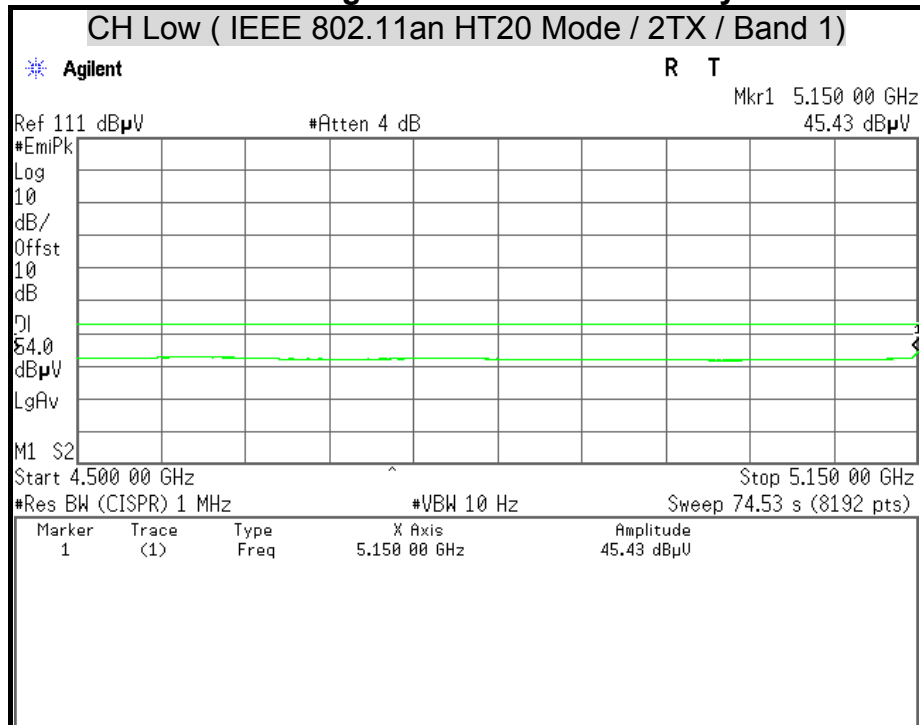
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

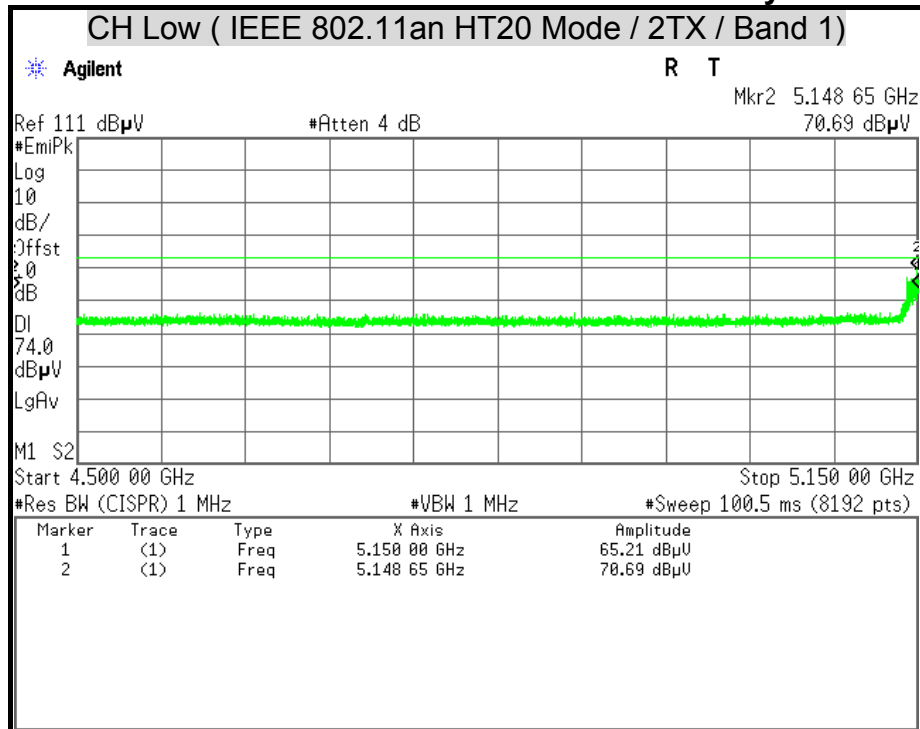
Polarity : Horizontal





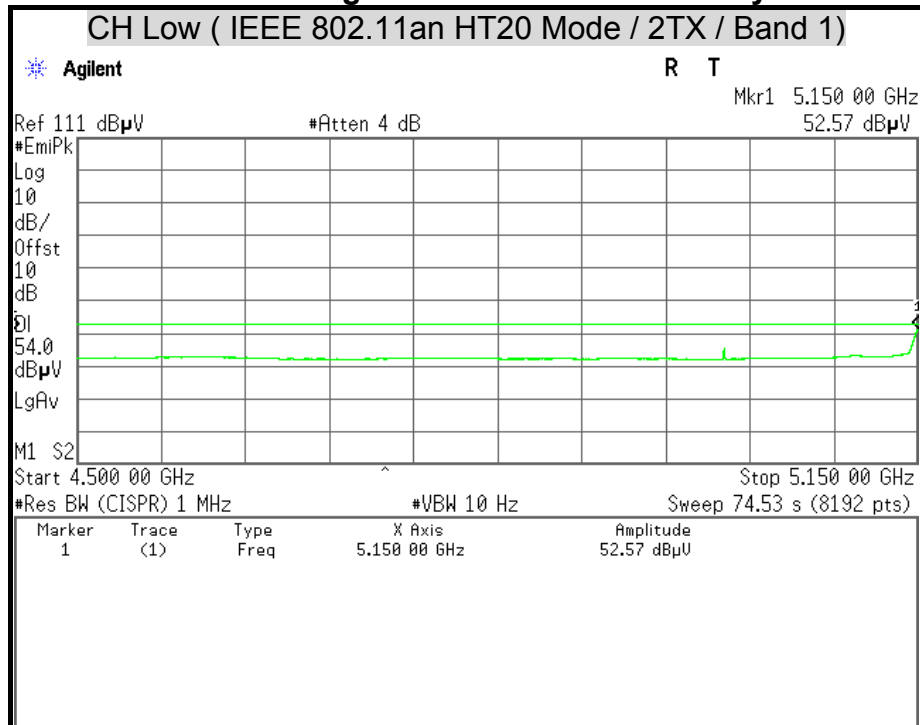
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

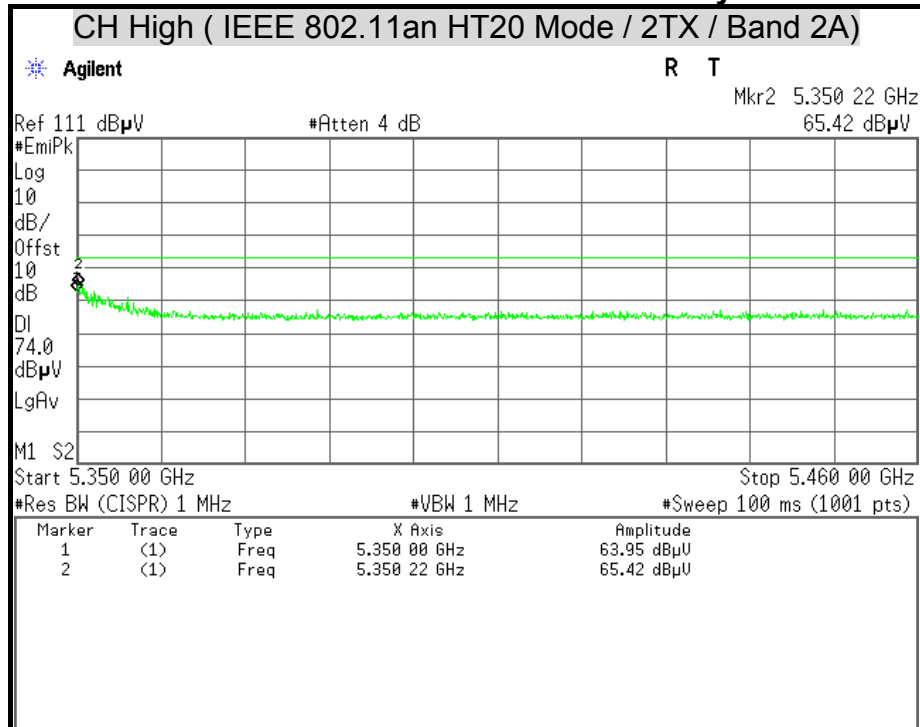
Polarity : Vertical





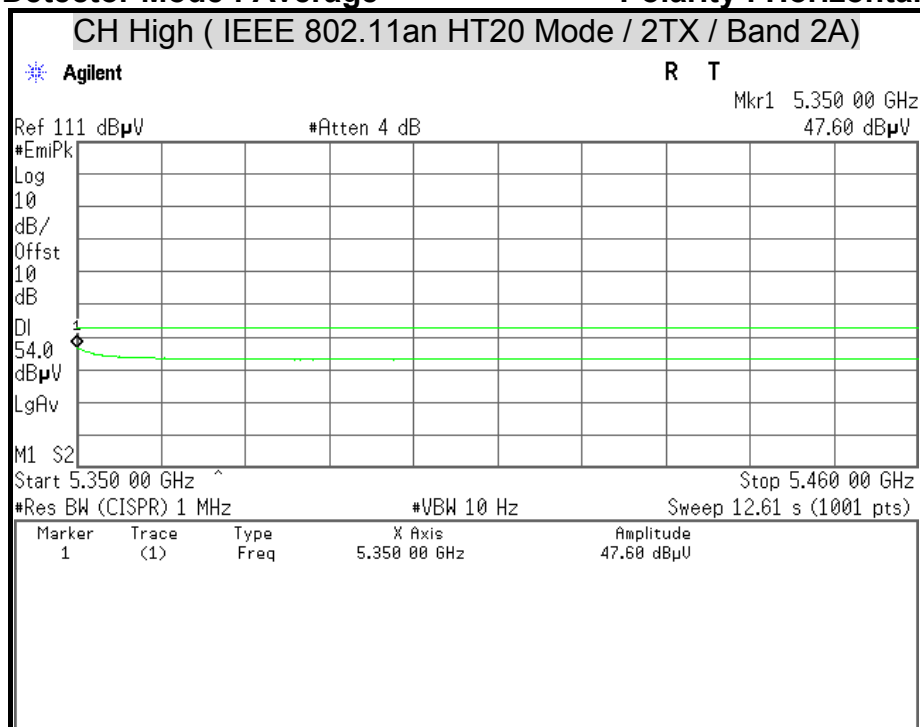
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

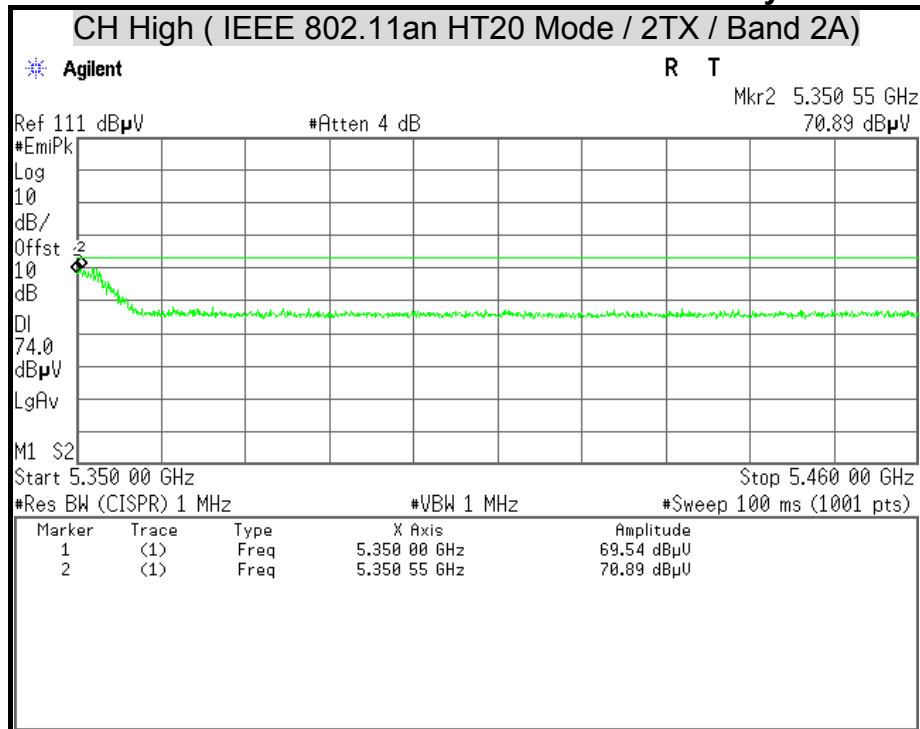
Polarity : Horizontal





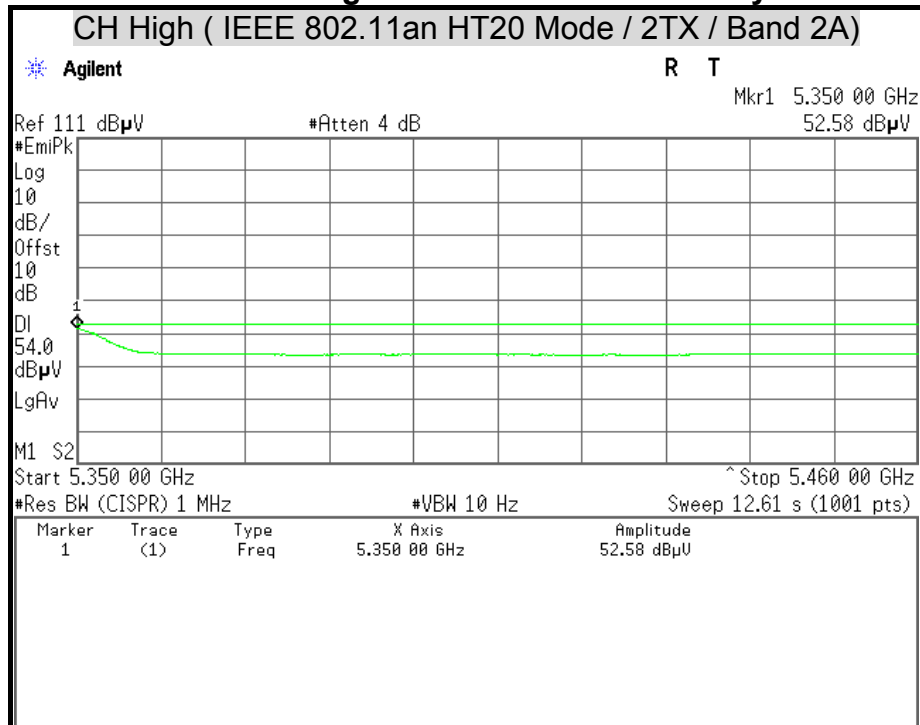
Detector Mode : Peak

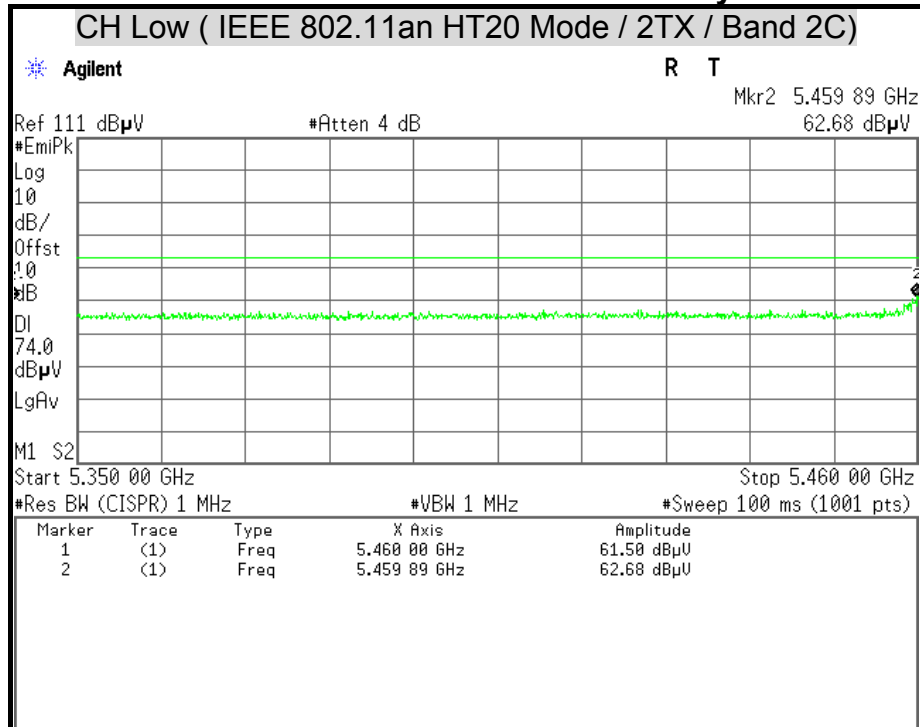
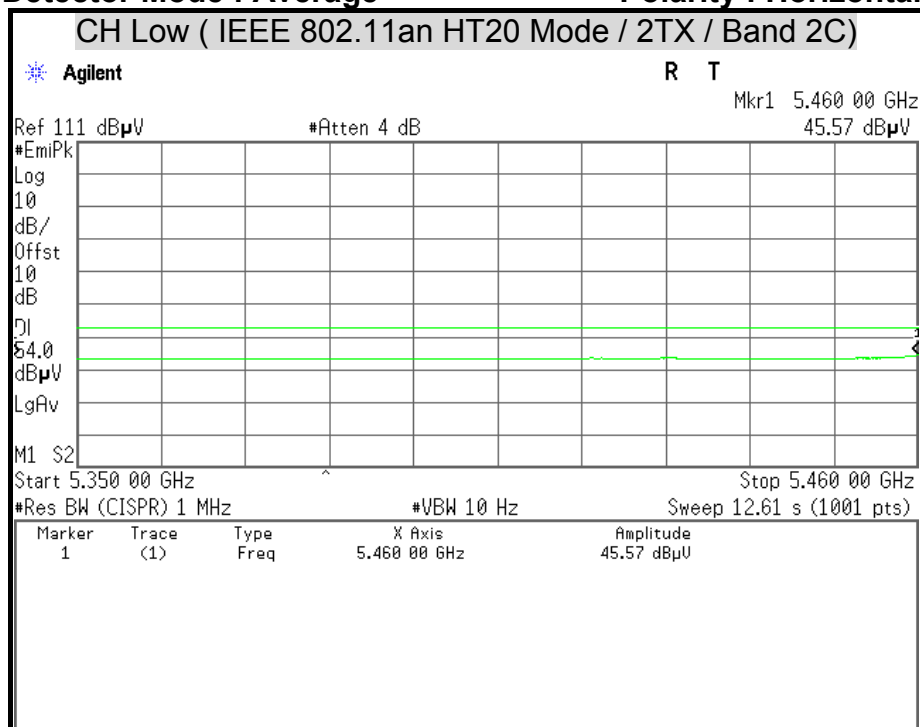
Polarity : Vertical



Detector Mode : Average

Polarity : Vertical

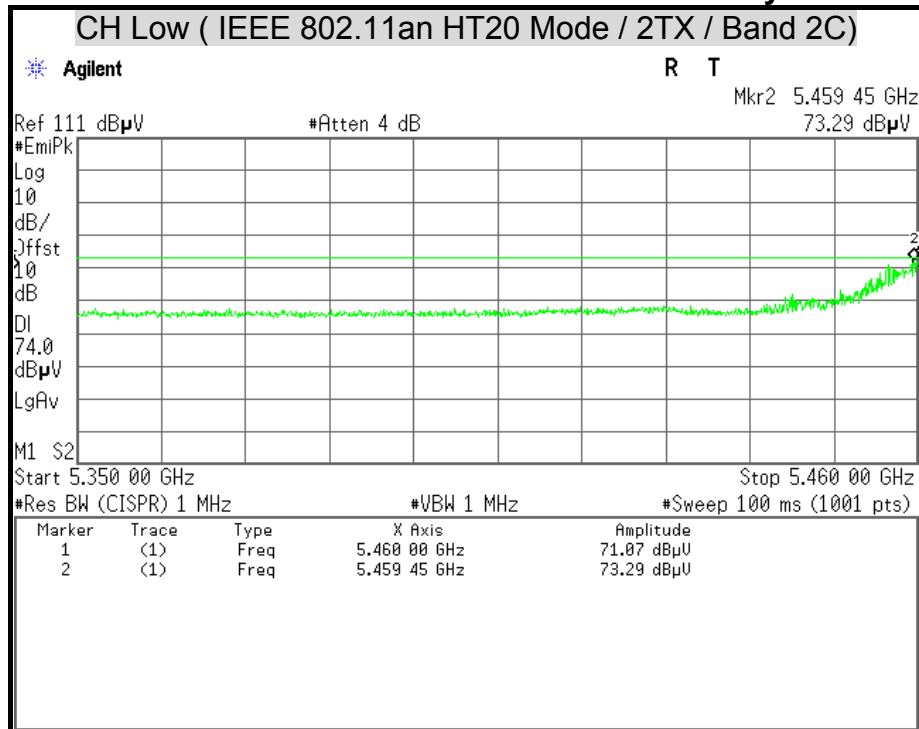


**Detector Mode : Peak****Polarity : Horizontal****Detector Mode : Average****Polarity : Horizontal**



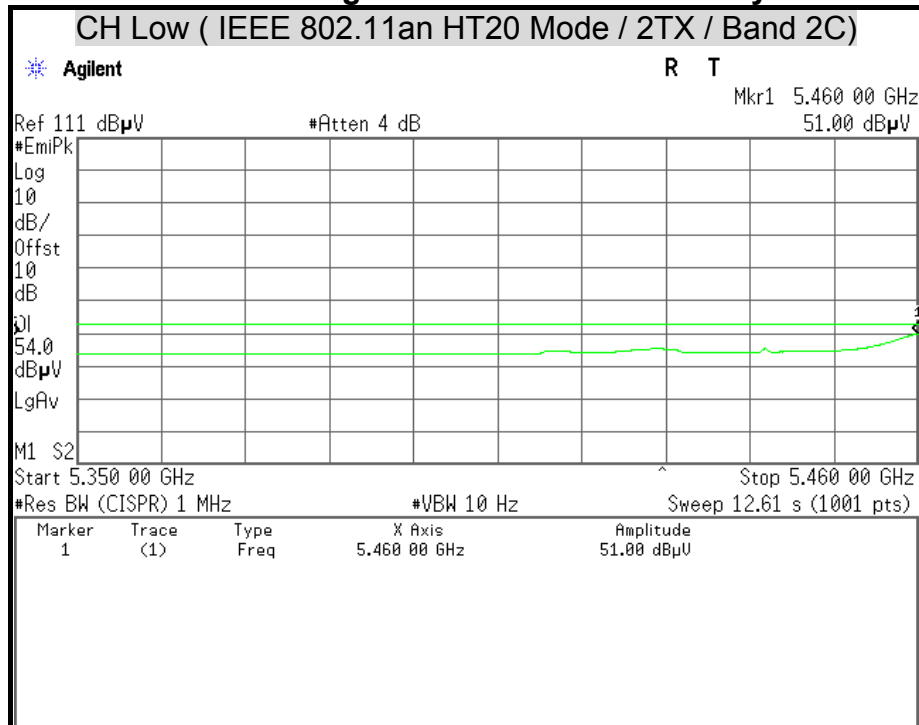
Detector Mode : Peak

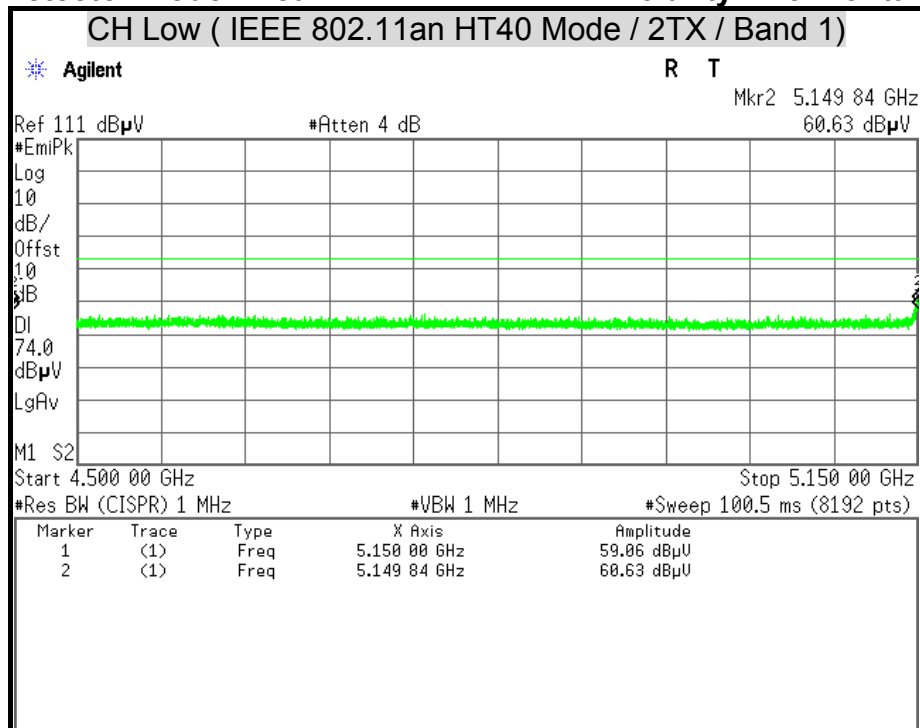
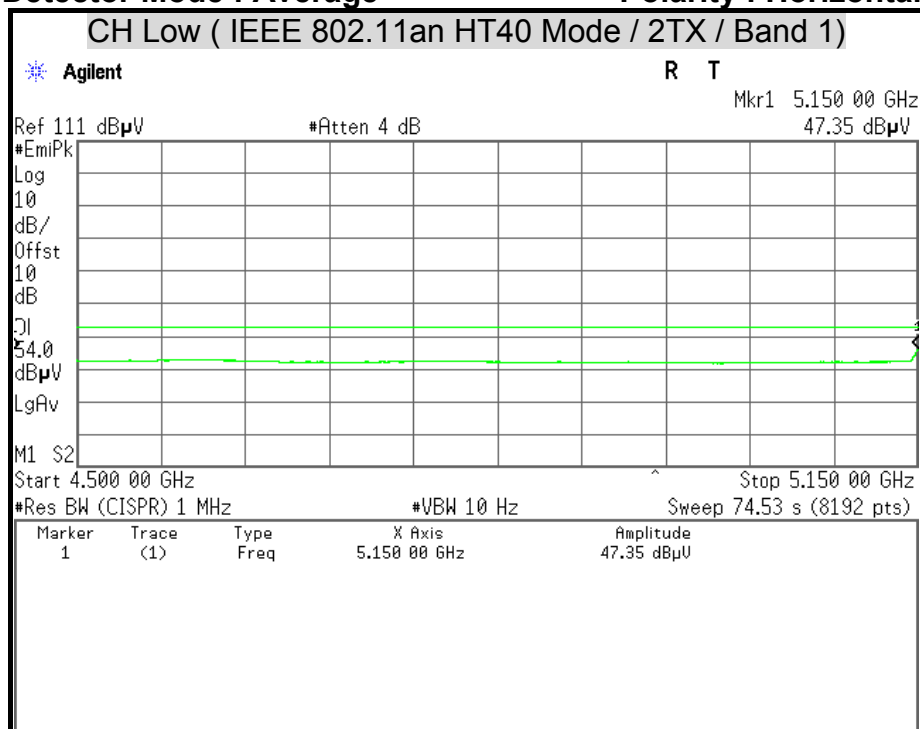
Polarity : Vertical



Detector Mode : Average

Polarity : Vertical

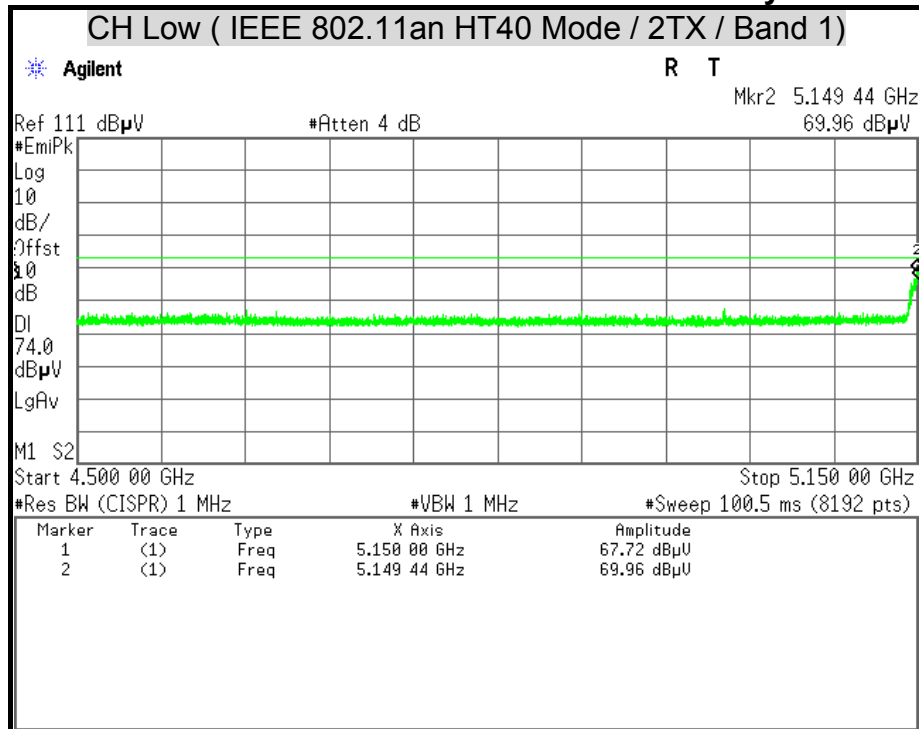


**Detector Mode : Peak****Polarity : Horizontal****Detector Mode : Average****Polarity : Horizontal**



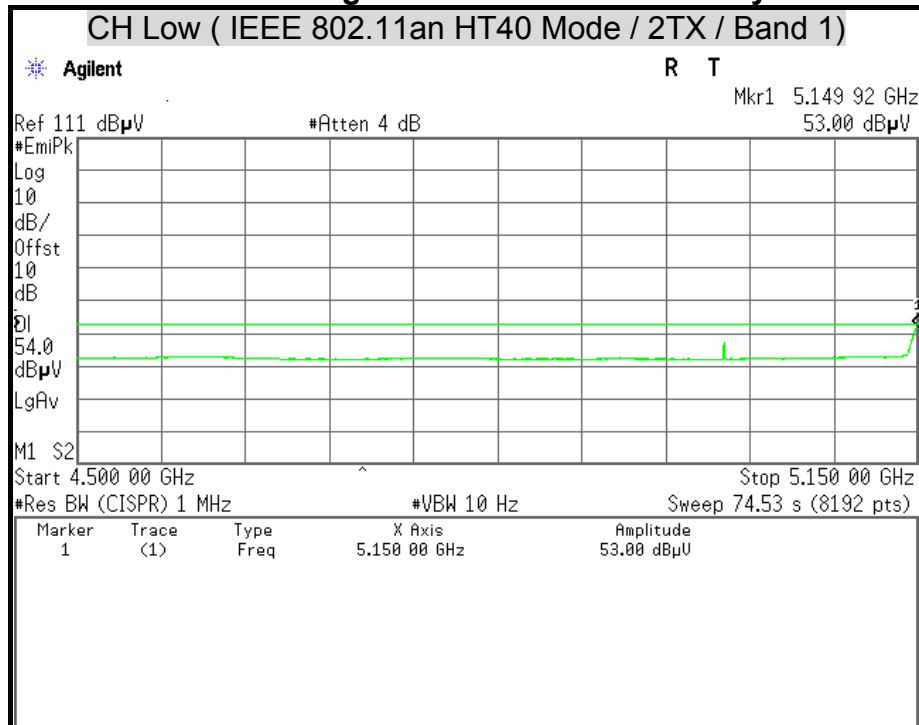
Detector Mode : Peak

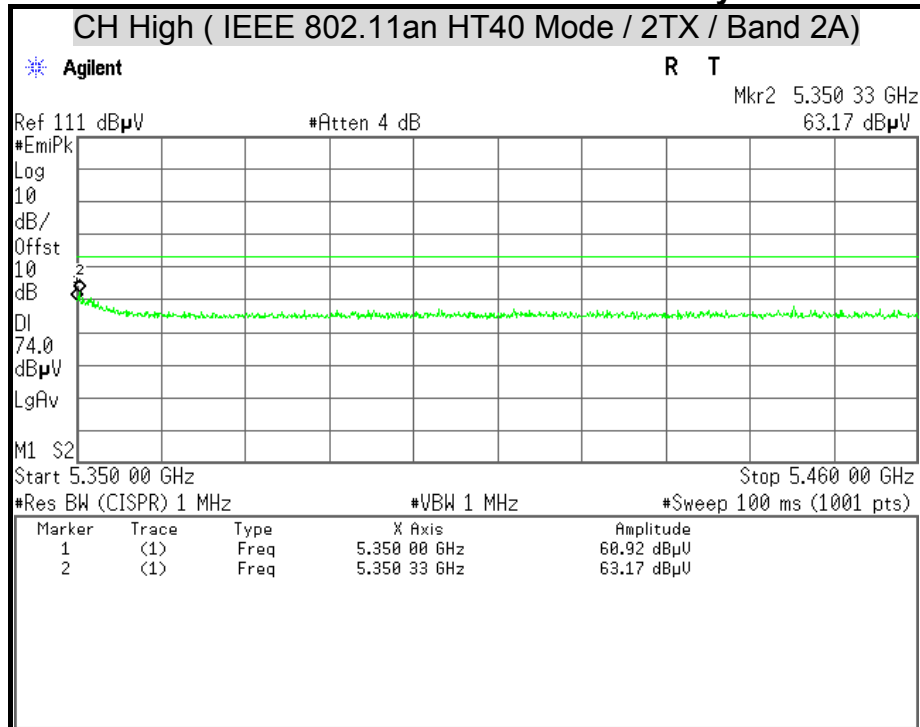
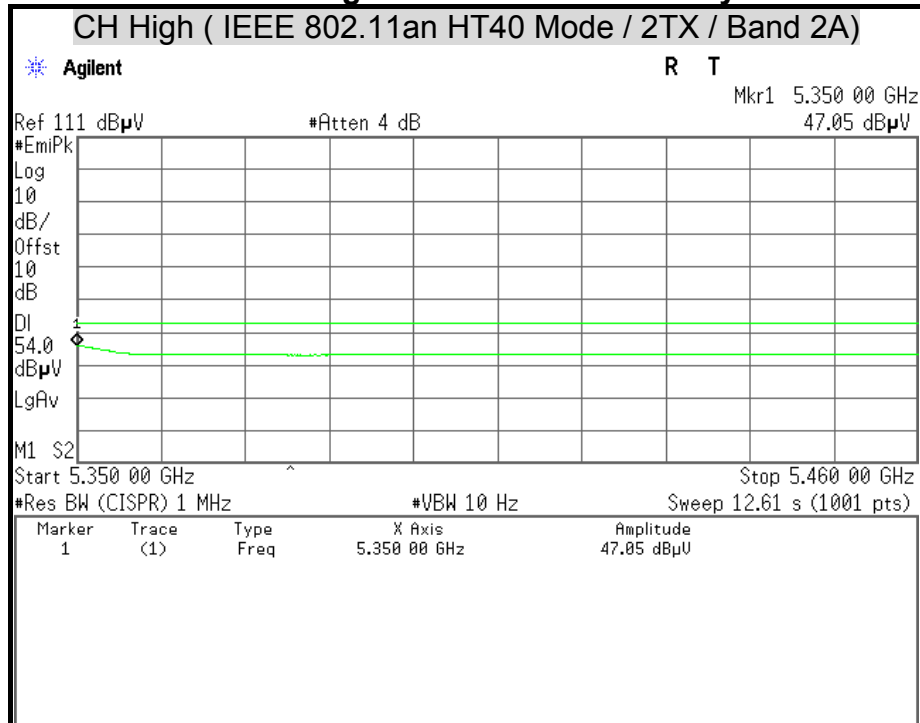
Polarity : Vertical

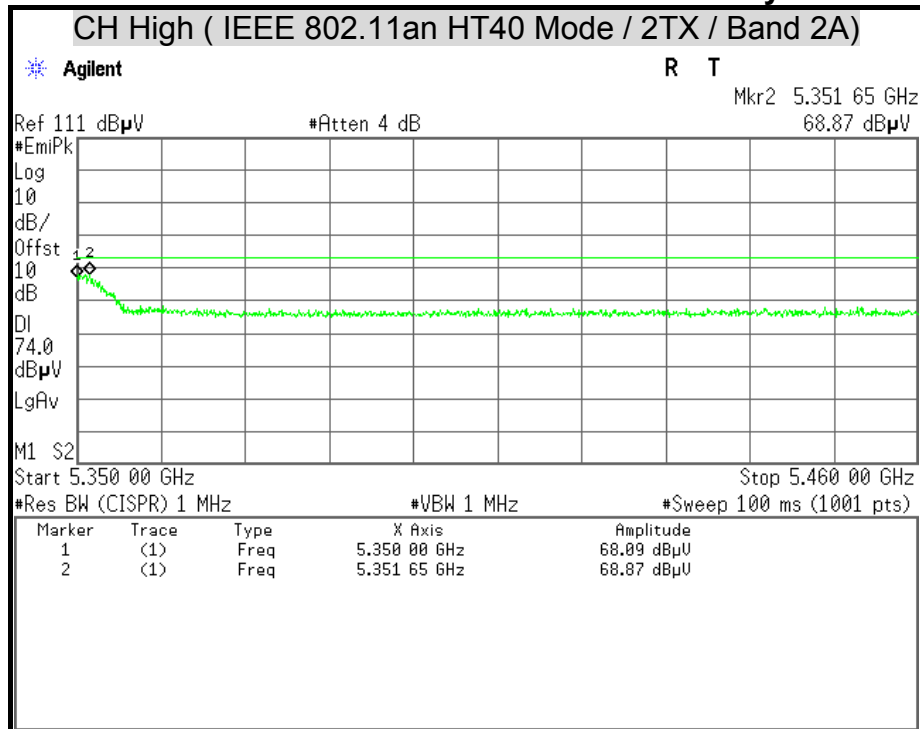
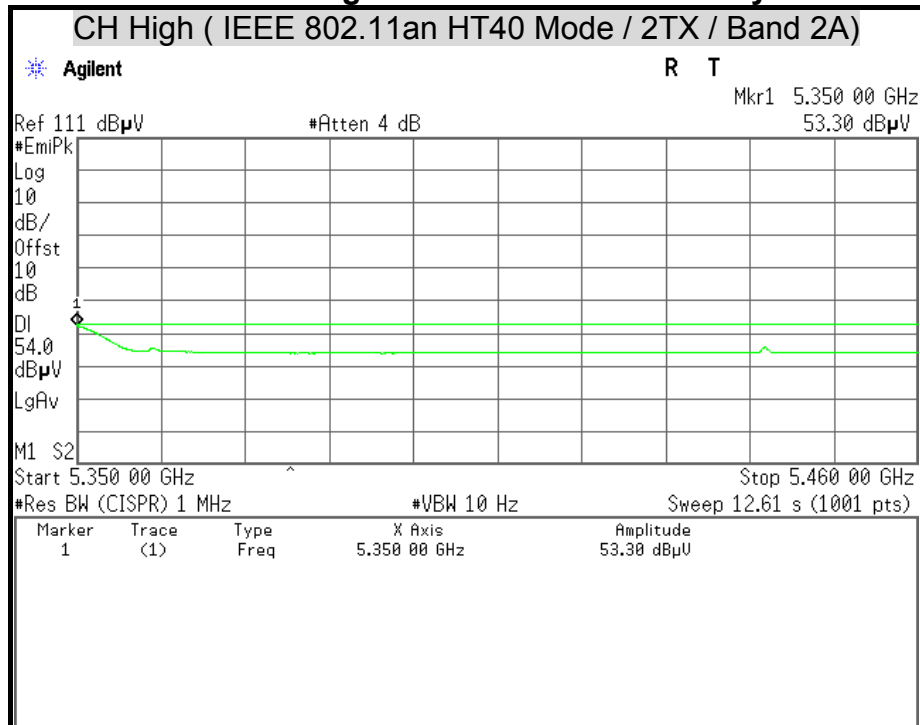


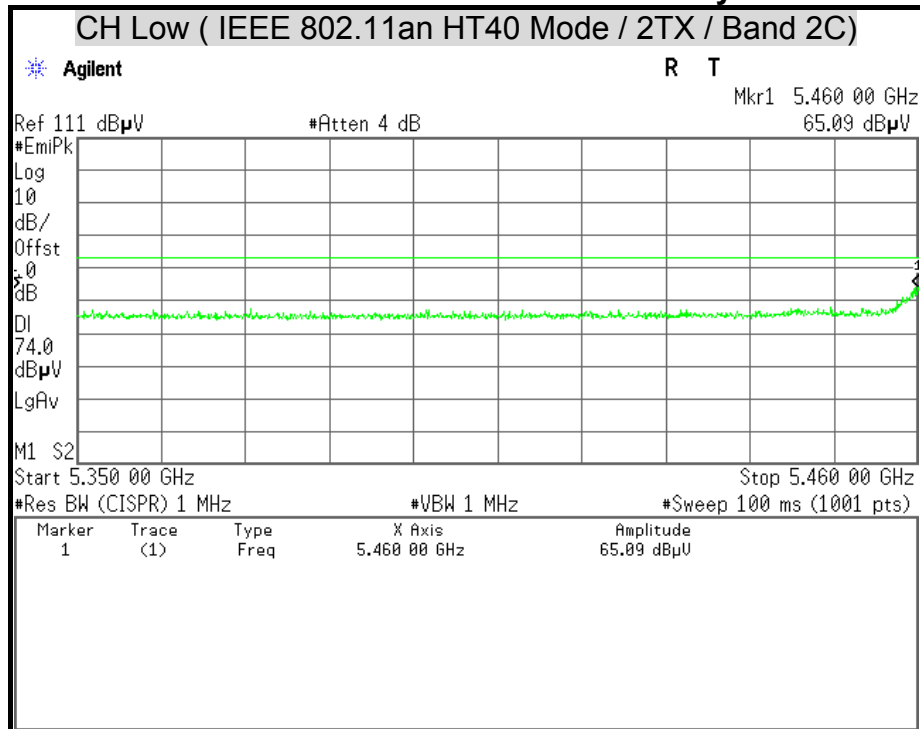
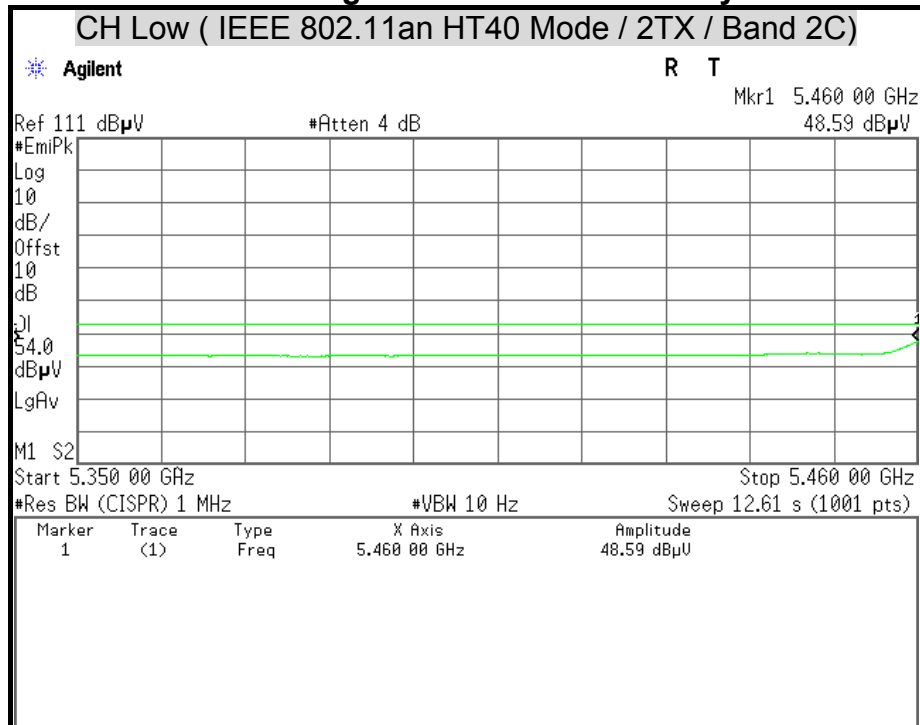
Detector Mode : Average

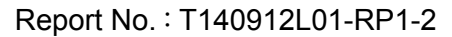
Polarity : Vertical



**Detector Mode : Peak****Polarity : Horizontal****Detector Mode : Average****Polarity : Horizontal**

**Detector Mode : Peak****Polarity : Vertical****Detector Mode : Average****Polarity : Vertical**

**Detector Mode : Peak****Polarity : Horizontal****Detector Mode : Average****Polarity : Horizontal**





7.6 CONDUCTED EMISSION

LIMITS

§ 15.207 (a) Except as shown in paragraph (b) and (c) 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 μ H/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)	Conducted Limit (dB μ v)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5.00	56	46
5.00 - 30.0	60	50

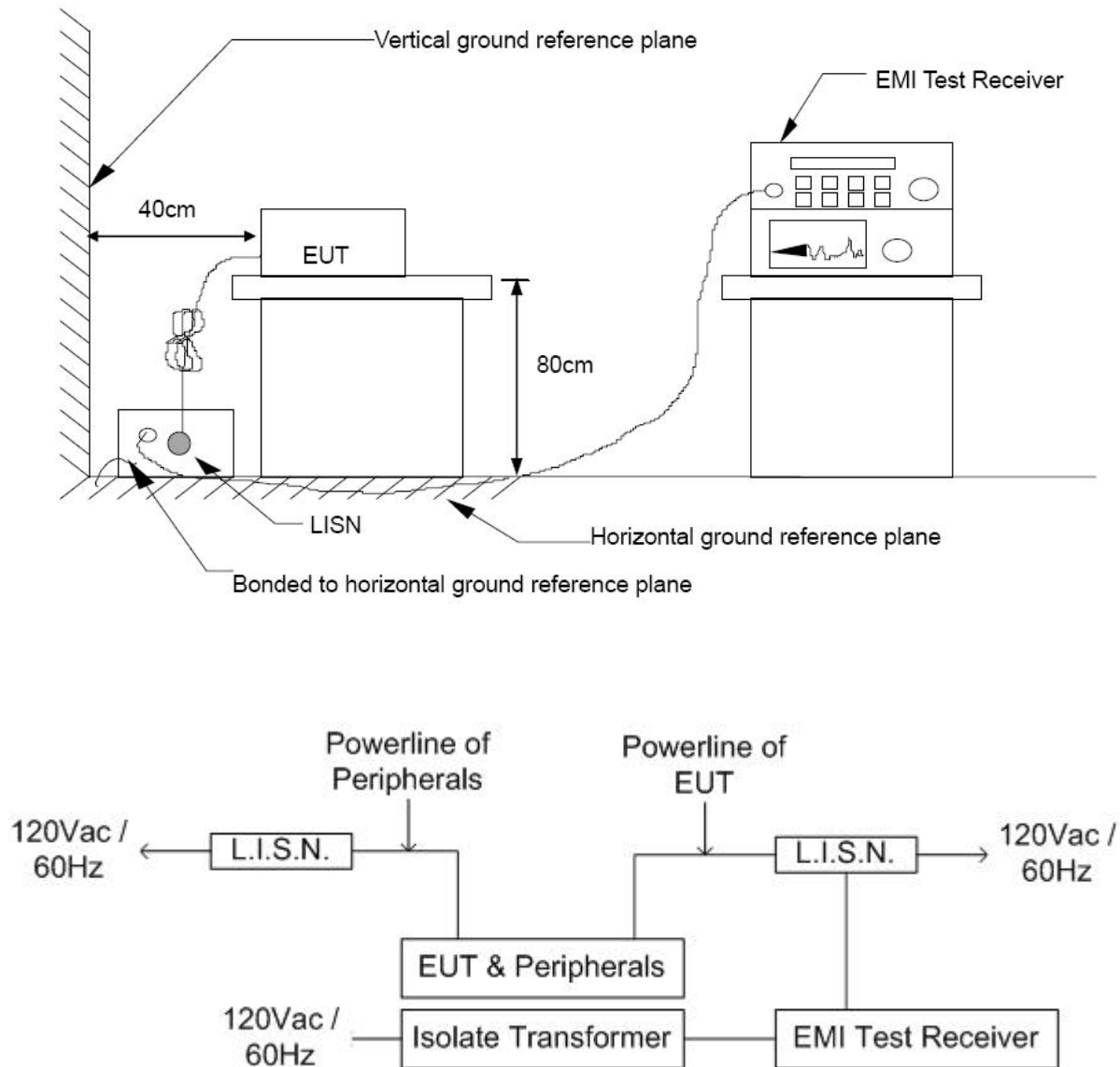
TEST EQUIPMENT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
L.I.S.N	SCHWARZBECK	NSLK 8127	8127-465	08/06/2015
L.I.S.N	SCHWARZBECK	NSLK 8127	8127-473	03/10/2015
EMI Receiver	ROHDE & SCHWARZ	ESCS 30	835418/008	11/02/2015
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	100111	06/30/2015

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



TEST SETUP





TEST PROCEDURE

The basic test procedure was in accordance with ANSI C63.10:2009.

The test procedure is performed in a 4m × 3m × 2.4m (L×W×H) shielded room.

The EUT along with its peripherals were placed on a 1.0m (W) × 1.5m (L) and 0.8m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane.

The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room. All peripherals were connected to the second LISN and the chassis ground also bounded to the horizontal ground plane of shielded room.

The EUT was located so that the distance between the boundary of the EUT and the closest surface of the LISN is 0.8 m. Where a mains flexible cord was provided by the manufacturer shall be 1 m long, or if in excess of 1 m, the excess cable was folded back and forth as far as possible so as to form a bundle not exceeding 0.4 m in length.

TEST RESULTS

Since the EUT is powered by DC Source from system, this test item is not applicable.



7.7 FREQUENCY STABILITY

LIMITS

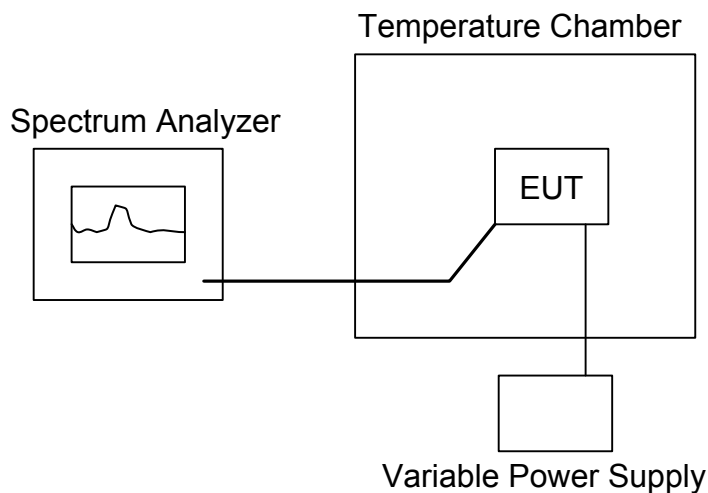
§ 15.407 (g) manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

TEST EQUIPMENT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	MY43360132	06/10/2015
Temp. & Humid. Chamber	TERCHY	MHC-120L	960424	09/09/2015

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

TEST SETUP





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 environment into appropriate environment.
4. Set the spectrum analyzer as RBW=1kHz, VBW = RBW, Span = 200kHz, Sweep = auto.
5. Mark the peak frequency and measure the frequency tolerance using frequency counter function.
6. Repeat until all the results are investigated.

**TEST RESULTS****IEEE 802.11a mode**

U-NII	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
			Chain 0			
Band 1	Low	5180	5180.003600	3.60	103.60	-100.00
	Middle	5220	5220.012800	12.80	104.40	-91.60
	High	5240	5240.042000	42.00	104.80	-62.80
Band 2A	Low	5260	5260.001100	1.10	105.20	-104.10
	Middle	5280	5280.023400	23.40	105.60	-82.20
	High	5320	5320.002600	2.60	106.40	-103.80
Band 2C	Low	5500	5500.021100	21.10	110.00	-88.90
	Middle	5580	5580.020600	20.60	111.60	-91.00
	High	5700	5700.011200	11.20	114.00	-102.80
Band 3	Low	5745	5745.005700	5.70	114.90	-109.20
	Middle	5785	5785.008700	8.70	115.70	-107.00
	High	5825	5825.031000	31.00	116.50	-85.50

**IEEE 802.11an HT20 Mode**

U-NII	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
			Chain 0			
Band 1	Low	5180	5180.000100	0.10	103.60	-103.50
	Middle	5220	5220.021500	21.50	104.40	-82.90
	High	5240	5240.031100	31.10	104.80	-73.70
Band 2A	Low	5260	5260.019500	19.50	105.20	-85.70
	Middle	5280	5280.011600	11.60	105.60	-94.00
	High	5320	5320.005700	5.70	106.40	-100.70
Band 2C	Low	5500	5500.019500	19.50	110.00	-90.50
	Middle	5580	5580.002300	2.30	111.60	-109.30
	High	5700	5700.020100	20.10	114.00	-93.90
Band 3	Low	5745	5745.029900	29.90	114.90	-85.00
	Middle	5785	5785.024900	24.90	115.70	-90.80
	High	5825	5825.001600	1.60	116.50	-114.90

**IEEE 802.11an HT40 Mode**

U-NII	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
			Chain 0			
Band1	Low	5190	5190.020900	20.90	103.80	-82.90
	High	5230	5230.010000	10.00	104.60	-94.60
Band 2A	Low	5270	5270.035400	35.40	105.40	-70.00
	High	5310	5310.028900	28.90	106.20	-77.30
Band 2C	Low	5510	5510.021700	21.70	110.20	-88.50
	Middle	5550	5550.006500	6.50	111.00	-104.50
	High	5670	5670.009700	9.70	113.40	-103.70
Band 3	Low	5755	5755.004400	4.40	115.10	-110.70
	High	5795	5795.005300	5.30	115.90	-110.60

**IEEE 802.11a mode**

U-NII	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
			Chain 1			
Band 1	Low	5180	5180.003390	3.39	103.60	-100.21
	Middle	5220	5220.012700	12.70	104.40	-91.70
	High	5240	5240.042000	42.00	104.80	-62.80
Band 2A	Low	5260	5260.001200	1.20	105.20	-104.00
	Middle	5280	5280.023600	23.60	105.60	-82.00
	High	5320	5320.002400	2.40	106.40	-104.00
Band 2C	Low	5500	5500.021000	21.00	110.00	-89.00
	Middle	5580	5580.020400	20.40	111.60	-91.20
	High	5700	5700.011000	11.00	114.00	-103.00
Band 3	Low	5745	5745.005800	5.80	114.90	-109.10
	Middle	5785	5785.008500	8.50	115.70	-107.20
	High	5825	5825.030900	30.90	116.50	-85.60

**IEEE 802.11an HT20 Mode**

U-NII	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
			Chain 1			
Band 1	Low	5180	5180.000000	0.00	103.60	-103.60
	Middle	5220	5220.021300	21.30	104.40	-83.10
	High	5240	5240.030900	30.90	104.80	-73.90
Band 2A	Low	5260	5260.019600	19.60	105.20	-85.60
	Middle	5280	5280.011400	11.40	105.60	-94.20
	High	5320	5320.005600	5.60	106.40	-100.80
Band 2C	Low	5500	5500.019300	19.30	110.00	-90.70
	Middle	5580	5580.002200	2.20	111.60	-109.40
	High	5700	5700.020100	20.10	114.00	-93.90
Band 3	Low	5745	5745.030000	30.00	114.90	-84.90
	Middle	5785	5785.025100	25.10	115.70	-90.60
	High	5825	5825.001400	1.40	116.50	-115.10

**IEEE 802.11an HT40 Mode**

U-NII	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
			Chain 1			
Band1	Low	5190	5190.020800	20.80	103.80	-83.00
	High	5230	5230.009800	9.80	104.60	-94.80
Band 2A	Low	5270	5270.035200	35.20	105.40	-70.20
	High	5310	5310.029000	29.00	106.20	-77.20
Band 2C	Low	5510	5510.021500	21.50	110.20	-88.70
	Middle	5550	5550.006400	6.40	111.00	-104.60
	High	5670	5670.009500	9.50	113.40	-103.90
Band 3	Low	5755	5755.004300	4.30	115.10	-110.80
	High	5795	5795.005300	5.30	115.90	-110.60