FCC 47 CFR PART 15 SUBPART E AND ANSI C63.10:2013 TEST REPORT

For

PANEL PC

Model : VT1020-ABCXXXXXX

(A for power input voltage: can be “L” or “H”, B for touch screen type: can be “R” or blank, C for defrost function: can be ”D” or blank, X for marketing used only : can be alphanumeric or blank)

Trade Name : Ubiqconn

Issued for

Ubiqconn Technology, Inc.

8F, No. 300, Yang Guang St., NeiHu. Taipei, Taiwan, 11491

Issued by

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	12/08/2015	Initial Issue	All Page 253	Gloria Chang

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1. TEST REPORT CERTIFICATION

Applicant	：	Ubiqconn Technology, Inc.
Address	：	8F, No. 300, Yang Guang St., NeiHu. Taipei, Taiwan, 11491
Equipment Under Test	：	PANEL PC
Model	：	VT1020-ABCXXXXXX (A for power input voltage: can be “L” or “H”, B for touch screen type: can be “R” or blank, C for defrost function: can be ”D” or blank, X for marketing used only : can be alphanumeric or blank)
Trade Name	：	Ubiqconn
Tested Date	：	October 20 ~ November 20, 2015

APPLICABLE STANDARD	
Standard	**Test Result**
FCC Part 15 Subpart E AND ANSI C63.10:2013	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	PANEL PC
Model Number	VT1020-ABCXXXXXX (A for power input voltage: can be “L” or “H”, B for touch screen type: can be “R” or blank , C for defrost function: can be ”D” or blank , X for marketing used only : can be alphanumeric or blank)
Identify Number	T151020D04
Received Date	October 20, 2015
Frequency Range	UNII Band 1: IEEE 802.11a, 802.11ac VHT20 : 5180 MHz ~ 5240 MHz IEEE 802.11ac VHT40 : 5190 MHz ~ 5230 MHz IEEE 802.11ac VHT80 : 5210 MHz UNII Band 2A: IEEE 802.11a, 802.11ac VHT20 : 5260 MHz ~ 5320 MHz IEEE 802.11ac VHT40 : 5270 MHz ~ 5310 MHz IEEE 802.11ac VHT80 : 5290 MHz UNII Band 2C: IEEE 802.11a, 802.11ac VHT20 : 5500 MHz ~ 5700 MHz IEEE 802.11ac VHT40 : 5510 MHz ~ 5670 MHz IEEE 802.11ac VHT80 : 5530 MHz (Exclude 5600MHz ~ 5650MHz) UNII Band 3: IEEE 802.11a, 802.11ac VHT20 : 5745 MHz ~ 5825 MHz IEEE 802.11ac VHT40 : 5755 MHz ~ 5795 MHz IEEE 802.11ac VHT80 : 5775 MHz

Transmit Power	UNII Band 1: IEEE 802.11a : 14.73 dBm (0.0297 W) IEEE 802.11ac VHT20 : 16.71 dBm (0.0469 W) IEEE 802.11ac VHT40 : 16.35 dBm (0.0432 W) IEEE 802.11ac VHT80 : 10.43 dBm (0.0110 W) UNII Band 2A: IEEE 802.11a : 15.77 dBm (0.0378W) IEEE 802.11ac VHT20 : 17.70 dBm (0.0589 W) IEEE 802.11ac VHT40 : 17.18 dBm (0.0522 W) IEEE 802.11ac VHT80 : 11.80 dBm (0.0151 W) UNII Band 2C: IEEE 802.11a : 15.51 dBm (0.0356 W) IEEE 802.11ac VHT20 : 16.75 dBm (0.0473 W) IEEE 802.11ac VHT40 : 17.25 dBm (0.0531 W) IEEE 802.11ac VHT80 : 12.88 dBm (0.0194 W) UNII Band 3: IEEE 802.11a : 15.01 dBm (0.0317 W) IEEE 802.11ac VHT20 : 16.79 dBm (0.0478 W) IEEE 802.11ac VHT40 : 16.64 dBm (0.0461 W) IEEE 802.11ac VHT80 : 10.67 dBm (0.0117 W)
Channel Spacing	IEEE 802.11a, 802.11ac VHT20 : 20MHz IEEE 802.11ac VHT40 : 40MHz IEEE 802.11ac VHT80 : 80MHz
Channel Number	IEEE 802.11a, 802.11ac VHT20 : 5150MHz ~ 5250MHz : 4 Channels 5250MHz ~ 5350MHz : 4 Channels 5500MHz ~ 5700MHz : 8 Channels 5725MHz ~ 5850MHz : 5 Channels IEEE 802.11ac VHT40 : 5150MHz ~ 5250MHz : 2 Channels 5250MHz ~ 5350MHz : 2 Channels 5470MHz ~ 5725MHz : 3 Channels 5725MHz ~ 5850MHz : 2 Channels IEEE 802.11ac VHT80 : 5150MHz ~ 5250MHz : 1 Channels 5250MHz ~ 5350MHz : 1 Channels 5470MHz ~ 5725MHz : 1 Channels 5725MHz ~ 5850MHz : 1 Channels

Transmit Data Rate	IEEE 802.11a : up to 54 Mbps IEEE 802.11ac (VHT20,800ns GI) : up to 156.00 Mbps IEEE 802.11ac (VHT20,400ns GI) : up to 173.40 Mbps IEEE 802.11ac (VHT40,800ns GI) : up to 360.00 Mbps IEEE 802.11ac (VHT40,400ns GI) : up to 400.00 Mbps IEEE 802.11ac (VHT80,800ns GI) : up to 780.00 Mbps IEEE 802.11ac (VHT80,400ns GI) : up to 866.60 Mbps
Type of Modulation	IEEE 802.11a : OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac VHT20/40/80 : OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Type	Dipole Antenna × 2 (External), Antenna 1(Chain A), Antenna Gain : 5.5 dBi Antenna 2(Chain B), Antenna Gain : 5.5 dBi PCB Antenna × 2 (Internal), Antenna 1(Chain A), Antenna Gain : 4.73 dBi Antenna 2(Chain B), Antenna Gain : 5.39 dBi
Power Rating	VT1020-HRD: 18-60Vdc, 4.5A VT1020-LRD: 9-32Vdc, 9A 7.50Vdc, 2900mAh, 21.75Wh (For Battery)
Test Voltage	120Vac, 60Hz
DC Power Cable Type	Non-shielded cable, 0.8 m × 1 (Detachable)
I/O Port	Audio In Port × 1, Audio Out Port × 1, RJ-45 Port × 2, USB(RS232) Port × 1, Expansion Port × 1, Canbus Port × 2, COM Port × 2, DIO Port × 1, Power Port × 1
Signal Cable	Shielded RS232 to USB cable, 0.15 m × 1 (Detachable)

The difference of the series model

Model Number	Difference
VT1020-ABCXXXXXX	1. A for power input voltage: can be “L” or “H”, B for touch screen type: can be “R” or blank, C for defrost function: can be ”D” or blank, X for marketing used only : can be alphanumeric or blank 2. The different models as for the marketing purpose.

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 difference between VT1020-HRD and VT1020-LRD is power rating, it would not influence the RF characteristics, therefore the model VT1020-HRD was considered the main model for testing.

4. This submittal(s) (test report) is intended for FCC ID: ZWM-VT-1020 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 802.11ac transceiver in Panel PC form factor.

For IEEE 802.11a mode: (1TX / 1RX) : Chain A (Ant 1) transmit/receive.

For IEEE 802.11ac VHT20/VHT40/VHT80 mode (2TX / 2RX) :

Chain A (Ant 1) & Chain B (Ant 2) transmit/receive.

No.	Antenna Position	Antenna Type	Antenna Gain (dBi)		Test item	
			1	2	Spurious emissions	Conducted
1	External	Dipole	5.5	5.5	V	V
2	Internal	PCB	4.73	5.39	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 / External Antenna
2	TX Mode / Internal Antenna

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

Final Test Mode		
Emission	Radiated Emission	Mode 1 Mode 2
	Conducted Emission	Mode 1

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, 802.11ac VHT20 mode

The EUT had been tested under operating condition.

There are three channels have been tested as following :

UNII Band	Channel	Frequency (MHz)
Band 1	Low	5180
	Middle	5200
	High	5240
Band 2A	Low	5260
	Middle	5300
	High	5320
Band 2C	Low	5500
	Middle	5580
	High	5700
Band 3	Low	5745
	Middle	5785
	High	5825

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

IEEE 802.11ac VHT20 mode : 6.5Mbps data rate (worst case) were chosen for full testing.

IEEE 802.11ac VHT40 mode

The EUT had been tested under operating condition.

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

UNII Band	Channel	Frequency (MHz)
Band 1	Low	5190
	High	5230
Band 2A	Low	5270
	High	5310
Band 2C	Low	5510
	Middle	5550
	High	5670
Band 3	Low	5755
	High	5795

IEEE 802.11ac VHT40 mode : 13.5Mbps data rate (worst case) were chosen for full testing.

IEEE 802.11ac VHT80 mode

The EUT had been tested under operating condition.

There are one channels have been tested as following :

UNII Band	Channel	Frequency (MHz)
Band 1	Low	5210
Band 2A	Low	5290
Band 2C	Low	5530
Band 3	Low	5775

IEEE 802.11ac VHT80 mode : 29.3 Mbps data rate (worst case) were chosen for full testing.

4. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10: 2013 and FCC CFR 47, 15.207, 15.209 and 15. 407.

5. FACILITIES AND ACCREDITATION

5.1 FACILITIES

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

No.989-1, Wenshan Rd., Shangshan Village,
Qionglin Township, Hsinchu County 30741, Taiwan (R.O.C.)

The sites are constructed in conformance with the requirements of ANSI C63.10:2013 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

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

Remark: *FCC Designation Number TW1027.*

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 base on the results of the compliance measurement. Consequently the measure emissions being less than the maximum allowed emission result in this be a compliant test or passing test.

The acceptable measurement uncertainty value without requiring revision of the compliance statement is base 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

Power Adapter :

No.	Manufacturer	Model No.	Power Input	Power Output
1	MEAN WELL	DRP-240-24	100-240Vac, 3.5A, 50/60Hz	24Vdc, 10A

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

1. EUT & peripherals setup diagram is shown in appendix setup photos.
2. Run “DRTU” Software
3. Select Test ->Select ContTx
4. TX Mode:

⇨ **Tx Data Rate:**

6 Mbps Bandwidth 20 (IEEE 802.11a mode)
6.5 Mbps Bandwidth 20 (IEEE 802.11ac VHT20 mode)
13.5 Mbps Bandwidth 40 (IEEE 802.11ac VHT40 mode)
29.3 Mbps Bandwidth 80 (IEEE 802.11ac VHT80 mode)

⇨ **Power control**

IEEE 802.11a Channel Low (5180MHz) Chain A Power set 15
IEEE 802.11a Channel Mid (5200MHz) Chain A Power set 19
IEEE 802.11a Channel High (5240MHz) Chain A Power set 19
IEEE 802.11a Channel Low (5260MHz) Chain A Power set 19
IEEE 802.11a Channel Mid (5300MHz) Chain A Power set 19
IEEE 802.11a Channel High (5320MHz) Chain A Power set 15
IEEE 802.11a Channel Low (5500MHz) Chain A Power set 17.5
IEEE 802.11a Channel Mid (5580MHz) Chain A Power set 19
IEEE 802.11a Channel High (5700MHz) Chain A Power set 17.5

IEEE 802.11a Channel Low (5745MHz) Chain A Power set 17
IEEE 802.11a Channel Mid (5785MHz) Chain A Power set 19
IEEE 802.11a Channel High (5825MHz) Chain A Power set 17.5

IEEE 802.11ac VHT20 Channel Low (5180MHz) Chain A/B Power set 15
IEEE 802.11ac VHT20 Channel Mid (5200MHz) Chain A/B Power set 19
IEEE 802.11ac VHT20 Channel High (5240MHz) Chain A/B Power set 19
IEEE 802.11ac VHT20 Channel Low (5260MHz) Chain A /B Power set 19
IEEE 802.11ac VHT20 Channel Mid (5300MHz) Chain A/B Power set 19
IEEE 802.11ac VHT20 Channel High (5320MHz) Chain A/B Power set 15
IEEE 802.11ac VHT20 Channel Low (5500MHz) Chain A/B Power set 17.5
IEEE 802.11ac VHT20 Channel Mid (5580MHz) Chain A/B Power set 19
IEEE 802.11ac VHT20 Channel High (5700MHz) Chain A/B Power set 17
IEEE 802.11ac VHT20 Channel Low (5745MHz) Chain A/B Power set 12
IEEE 802.11ac VHT20 Channel Mid (5785MHz) Chain A/B Power set 19
IEEE 802.11ac VHT20 Channel High (5825MHz) Chain A/B Power set 17.5

IEEE 802.11ac VHT40 Channel Low (5190MHz) Chain A/B Power set 13
IEEE 802.11ac VHT40 Channel High (5230MHz) Chain A/B Power set 19
IEEE 802.11ac VHT40 Channel Low (5270MHz) Chain A/B Power set 19
IEEE 802.11ac VHT40 Channel High (5310MHz) Chain A/B Power set 13
IEEE 802.11ac VHT40 Channel Low (5510MHz) Chain A/B Power set 17
IEEE 802.11ac VHT40 Channel Mid (5550MHz) Chain A/B Power set 19
IEEE 802.11ac VHT40 Channel High (5670MHz) Chain A/B Power set 19
IEEE 802.11ac VHT40 Channel Low (5755MHz) Chain A/B Power set 12
IEEE 802.11ac VHT40 Channel High (5795MHz) Chain A/B Power set 19

IEEE 802.11ac VHT80 Channel Low (5210MHz) Chain A/B Power set 11
IEEE 802.11ac VHT80 Channel Low (5290MHz) Chain A/B Power set 11
IEEE 802.11ac VHT80 Channel Low (5530MHz) Chain A/B Power set 13.5
IEEE 802.11ac VHT80 Channel Low (5775MHz) Chain A/B Power set 11

5. All of the functions are under run.
6. 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
EXA Signal Analyzer	Agilent	N9010A	MY52220817	03/19/2016

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

U-NII	Channel	Channel Frequency (MHz)	26dB Bandwidth (MHz)
			Chain A
Band 2A	Low	5260	29.49
	Middle	5300	29.99
	High	5320	23.16
Band 2C	Low	5500	24.68
	Middle	5580	29.92
	High	5700	24.16

IEEE 802.11ac VHT20 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain A	Chain B
Band 2A	Low	5260	28.67	28.24
	Middle	5300	29.65	26.06
	High	5320	25.59	24.32
Band 2C	Low	5500	25.38	26.06
	Middle	5580	29.91	29.13
	High	5700	25.48	25.48

IEEE 802.11ac VHT40 Mode (2TX)

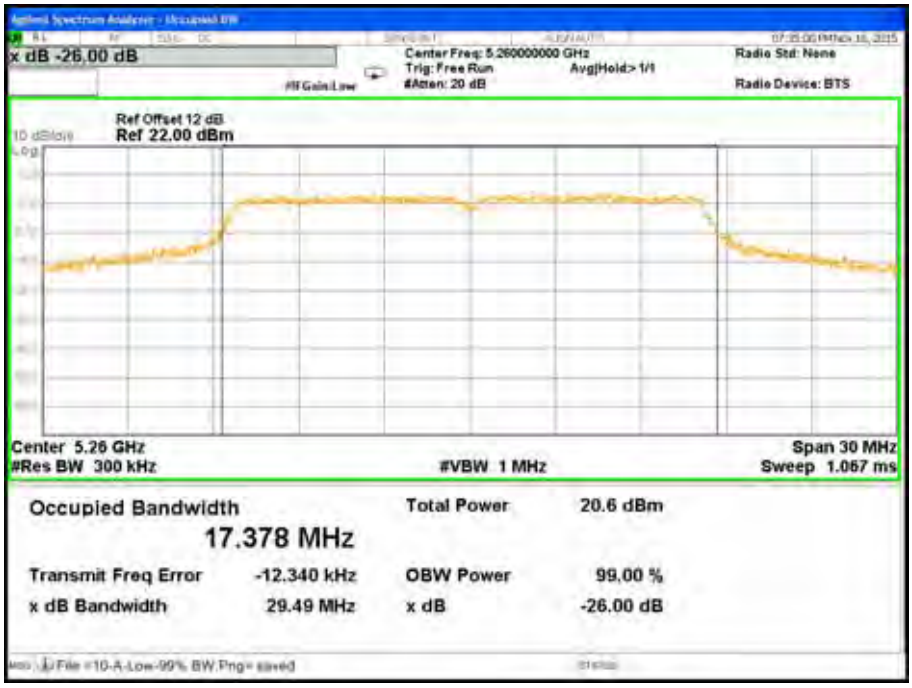
U-NII	Channel	Channel Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain A	Chain B
Band 2A	Low	5270	56.59	46.92
	High	5310	41.27	40.76
Band 2C	Low	5510	41.51	40.28
	Middle	5550	57.00	46.42
	High	5670	56.07	51.52

IEEE 802.11ac VHT80 Mode (2TX)

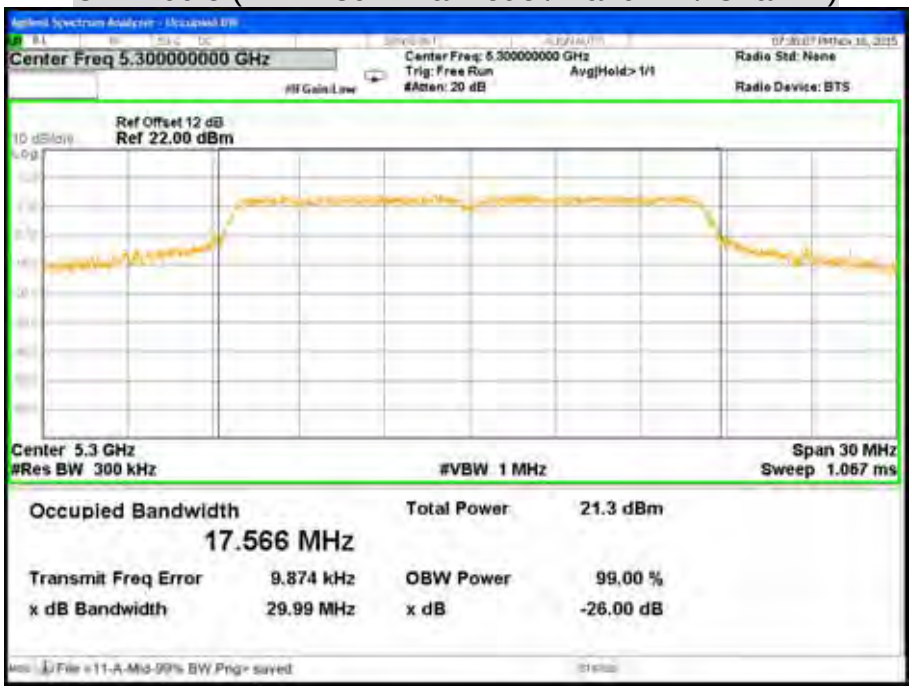
U-NII	Channel	Channel Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain A	Chain B
Band 2A	Low	5290	80.25	79.84
Band 2C	Low	5530	81.12	80.59

26dB BANDWIDTH

CH Low (IEEE 802.11a Mode / Band 2A / Chain A)



CH Middle (IEEE 802.11a Mode / Band 2A / Chain A)



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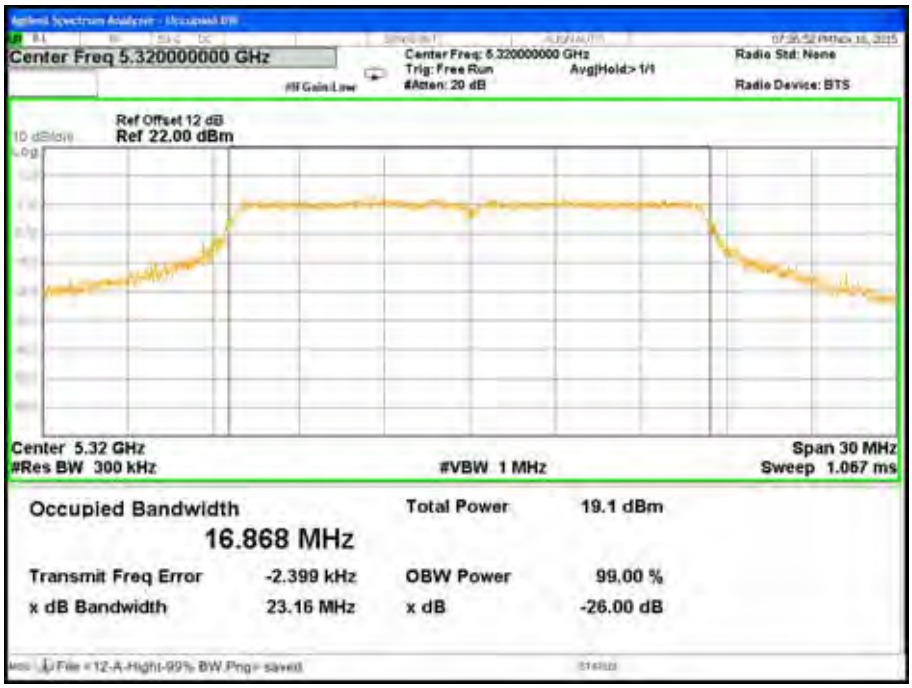

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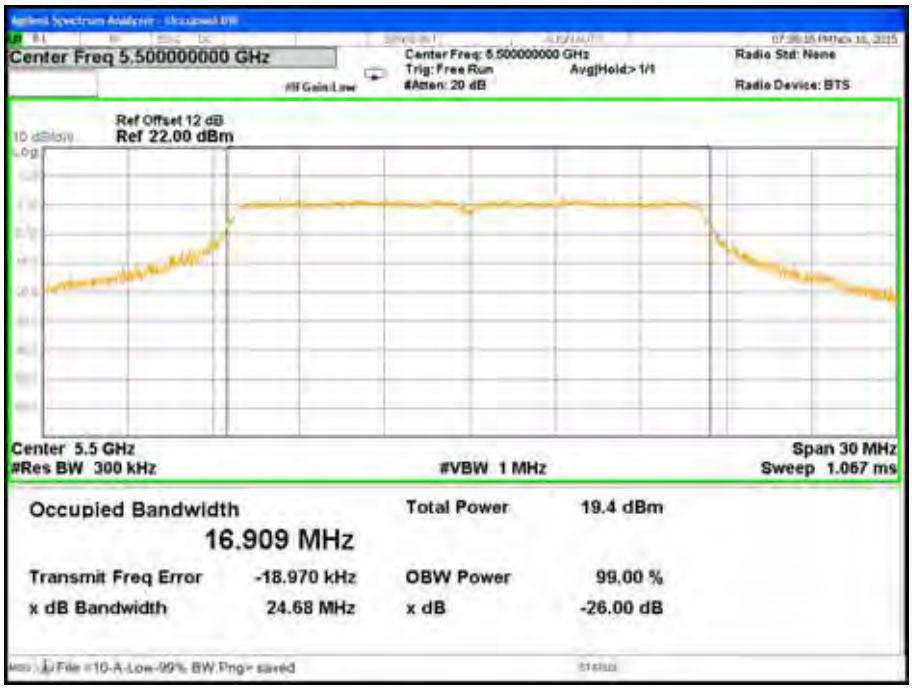

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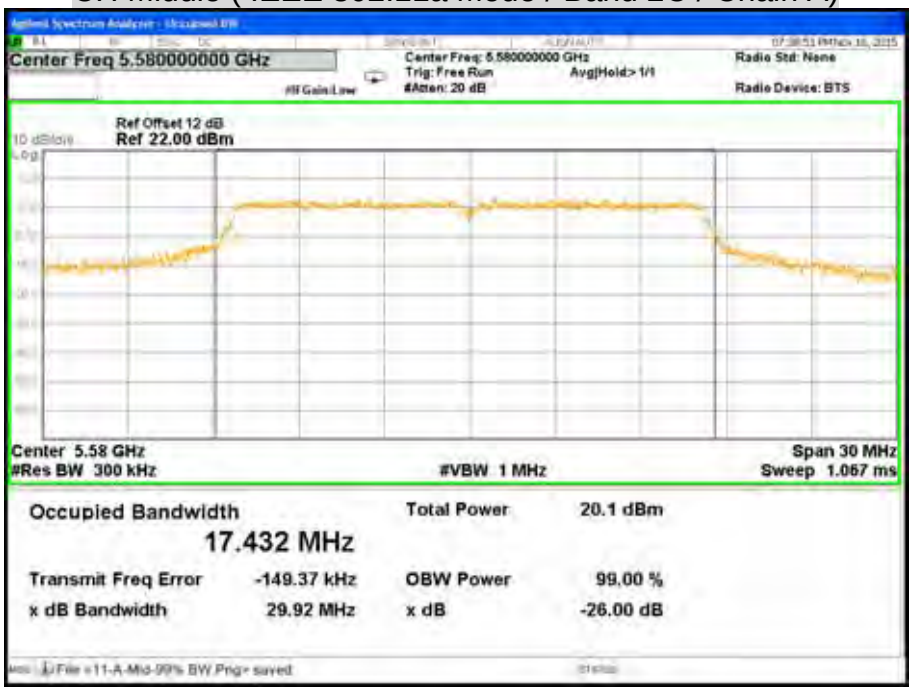

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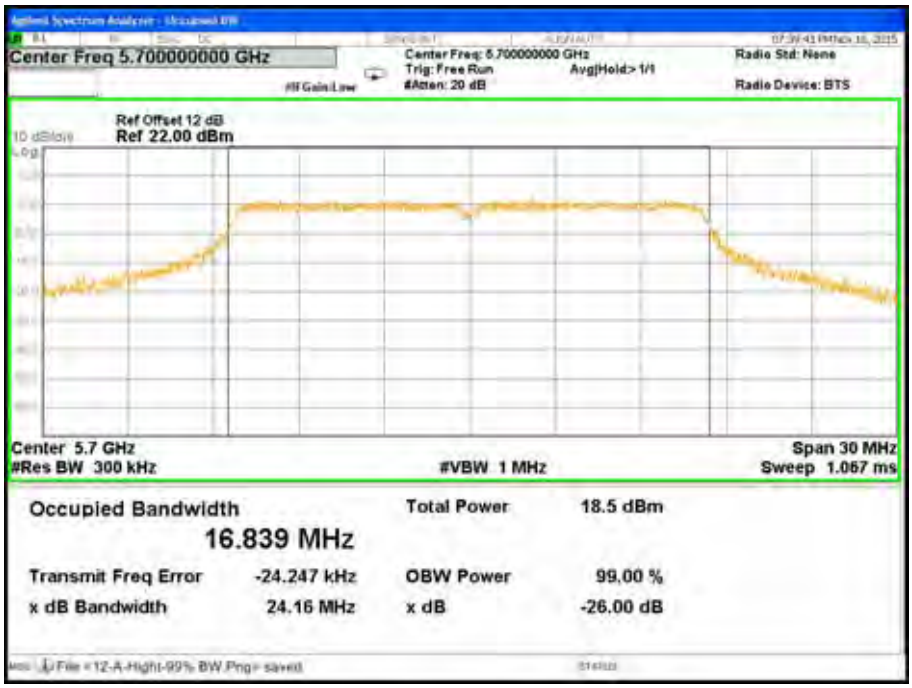
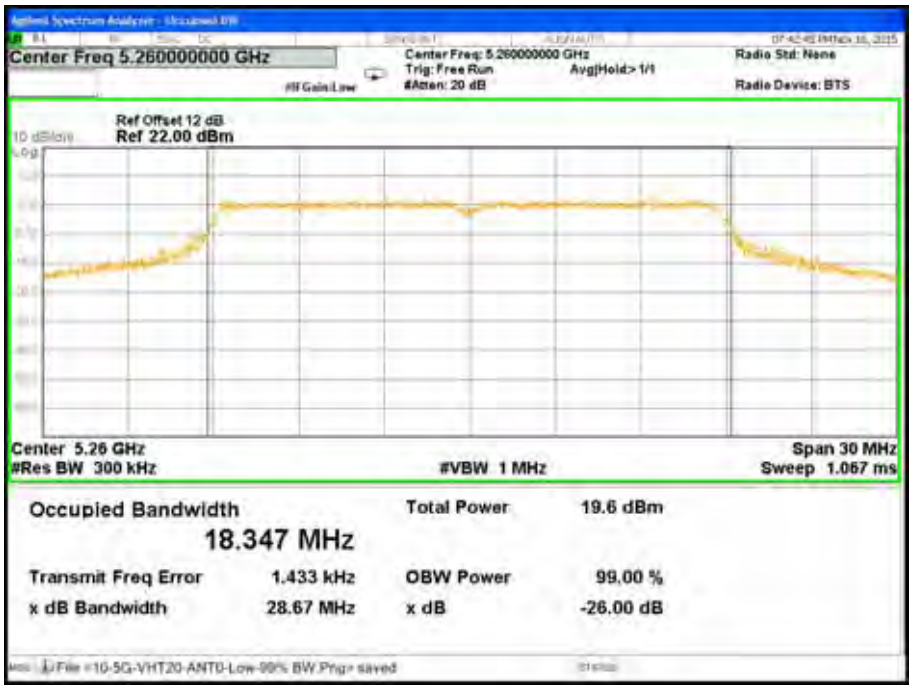
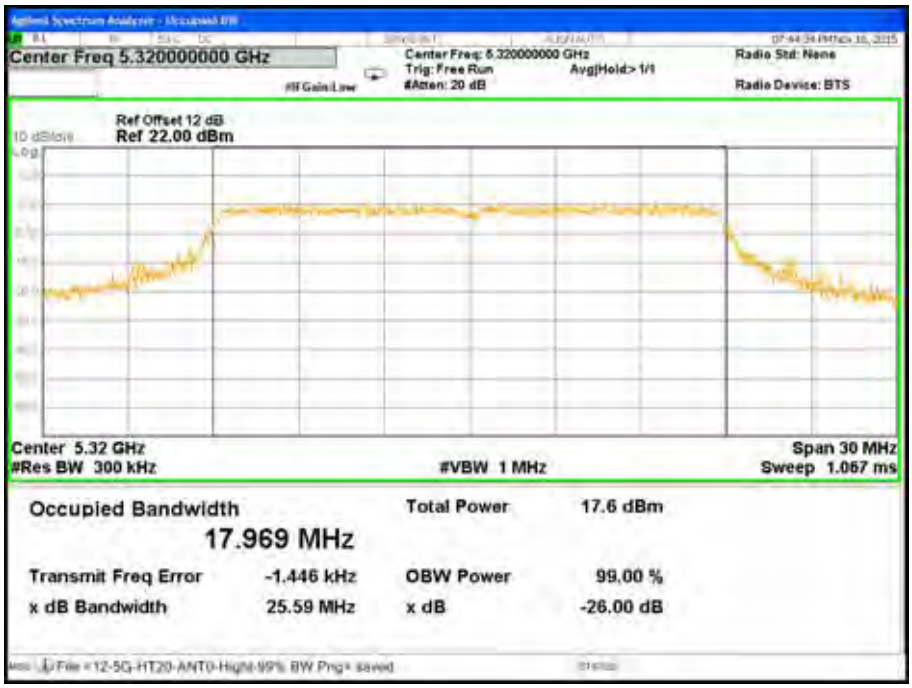


CH Low (IEEE 802.11ac VHT20 Mode / Band 2A / Chain A)



CH Middle (IEEE 802.11ac VHT20 Mode / Band 2A / Chain A)

CH High (IEEE 802.11ac VHT20 Mode / Band 2A / Chain A)



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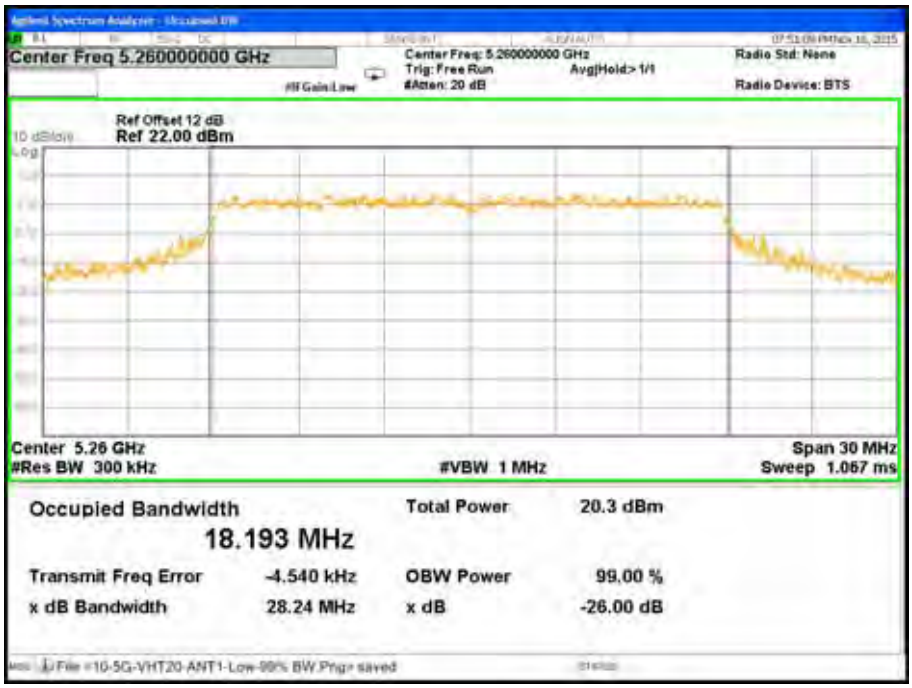

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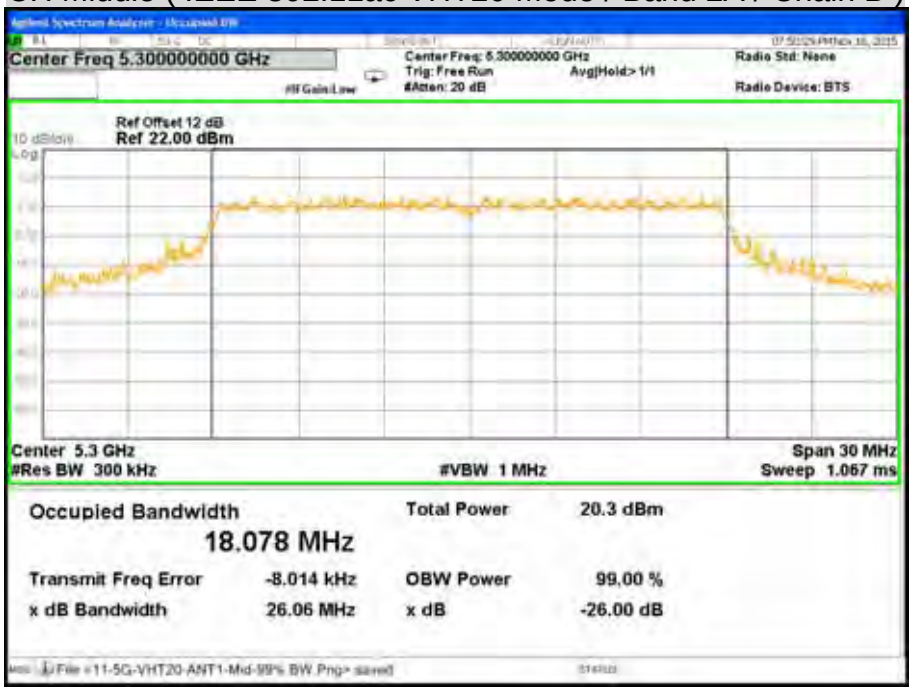

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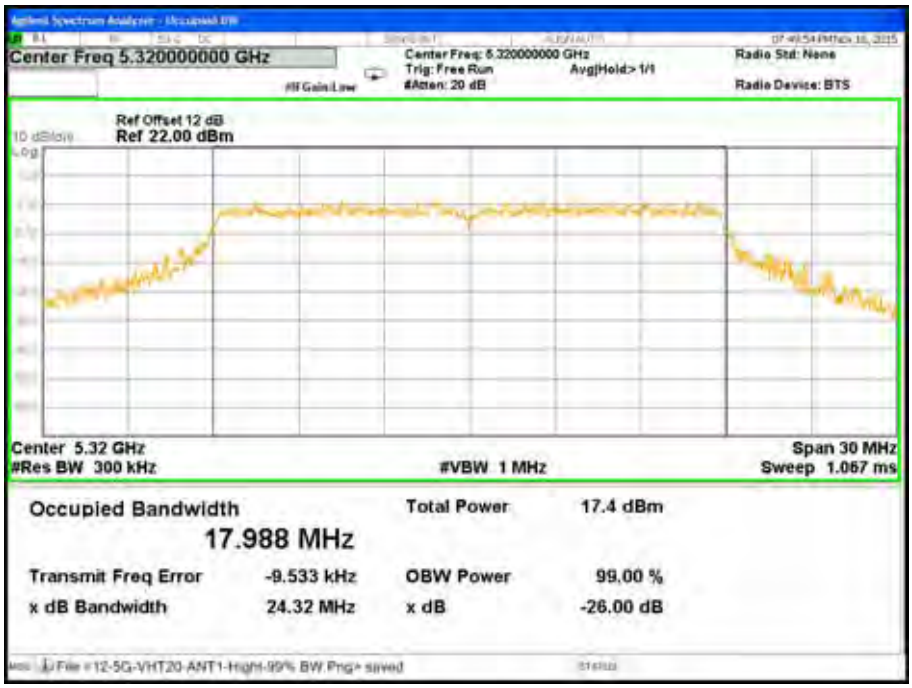
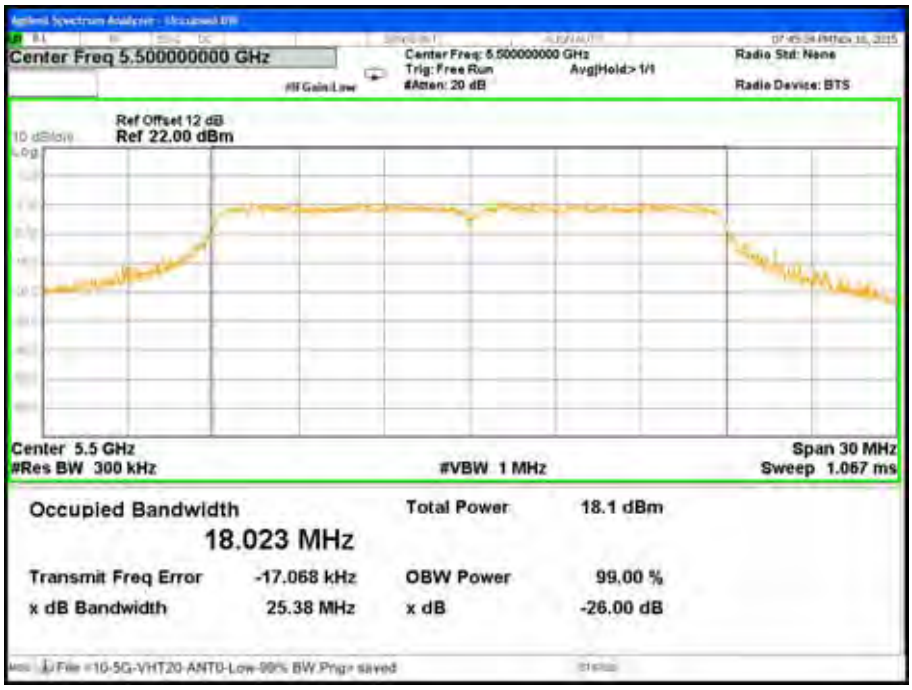
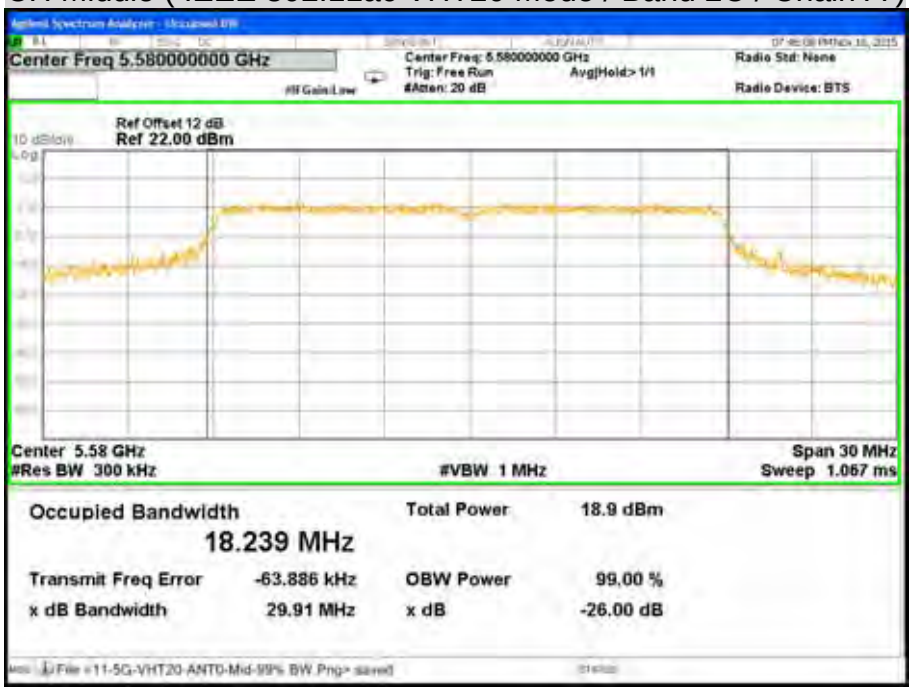


CH Low (IEEE 802.11ac VHT20 Mode / Band 2C / Chain A)



CH Middle (IEEE 802.11ac VHT20 Mode / Band 2C / Chain A)



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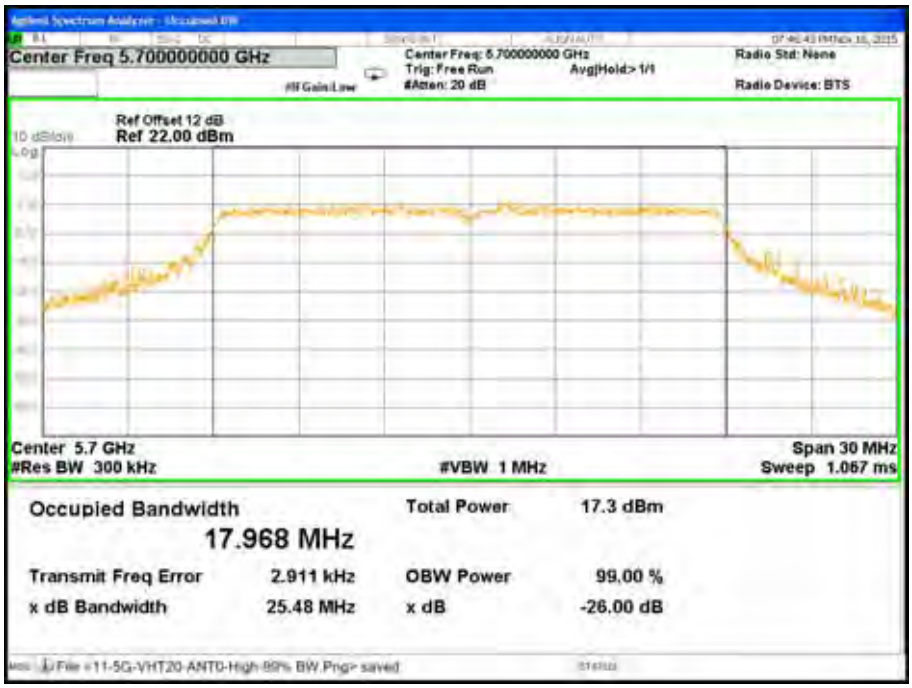
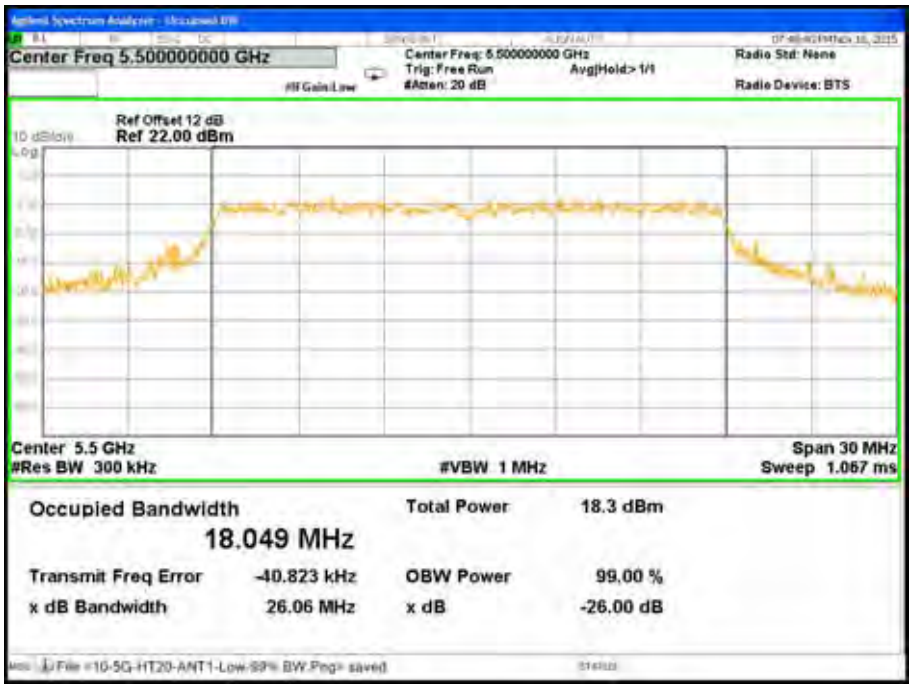
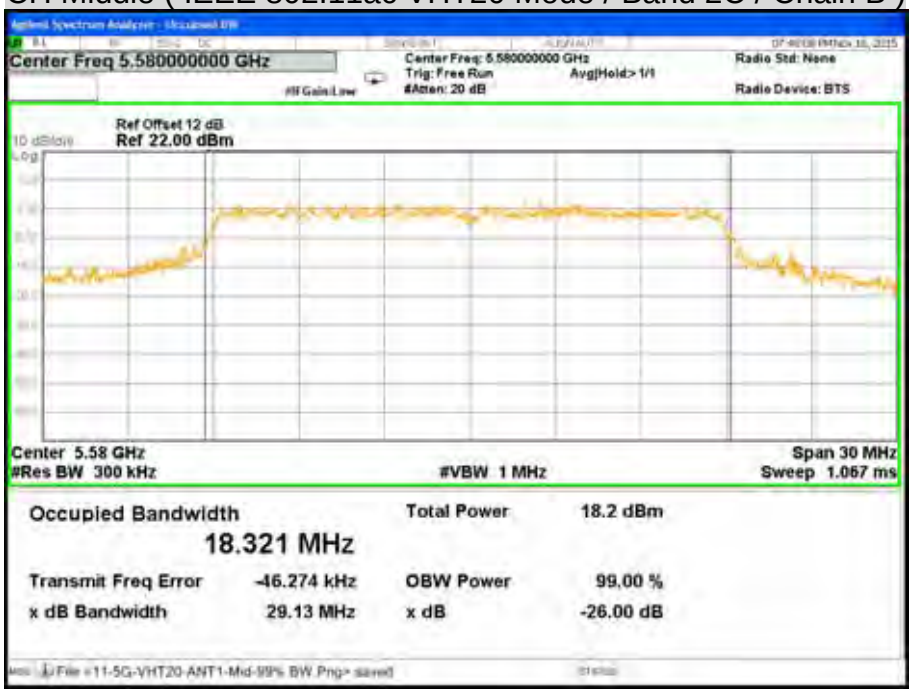


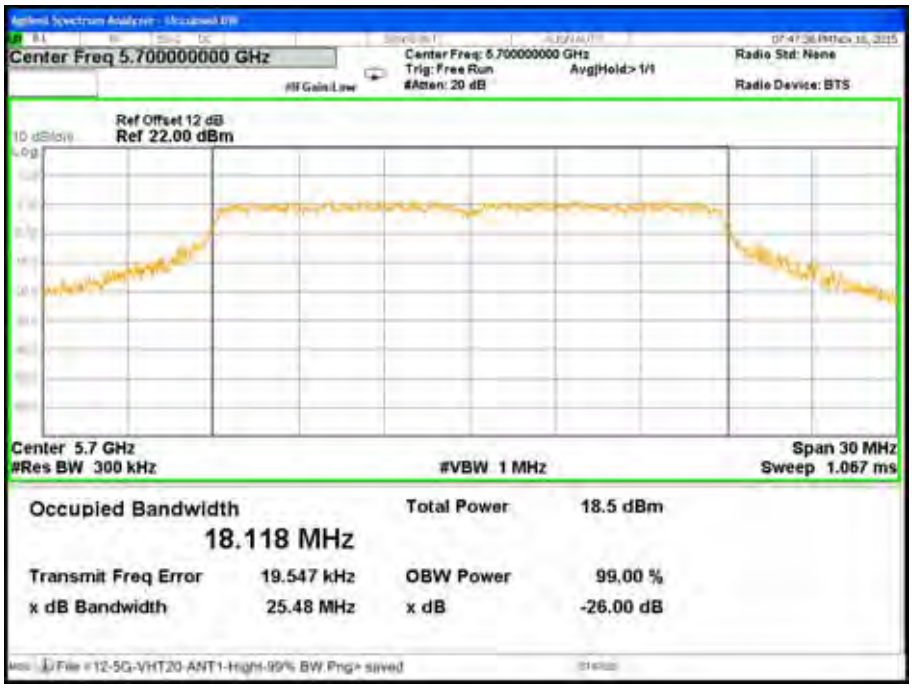
CH Low (IEEE 802.11ac VHT20 Mode / Band 2C / Chain B)



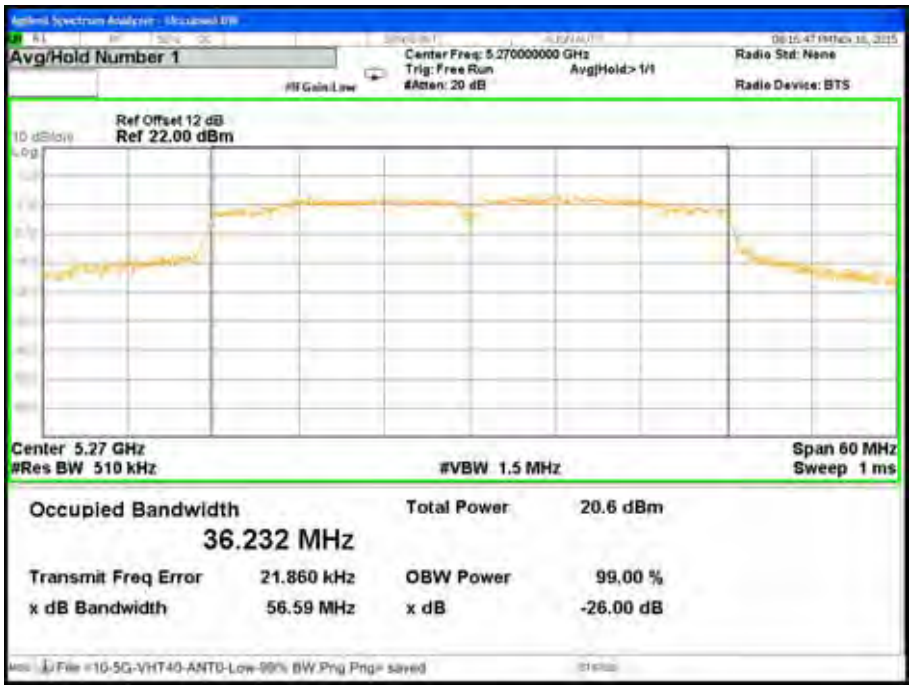
CH Middle (IEEE 802.11ac VHT20 Mode / Band 2C / Chain B)



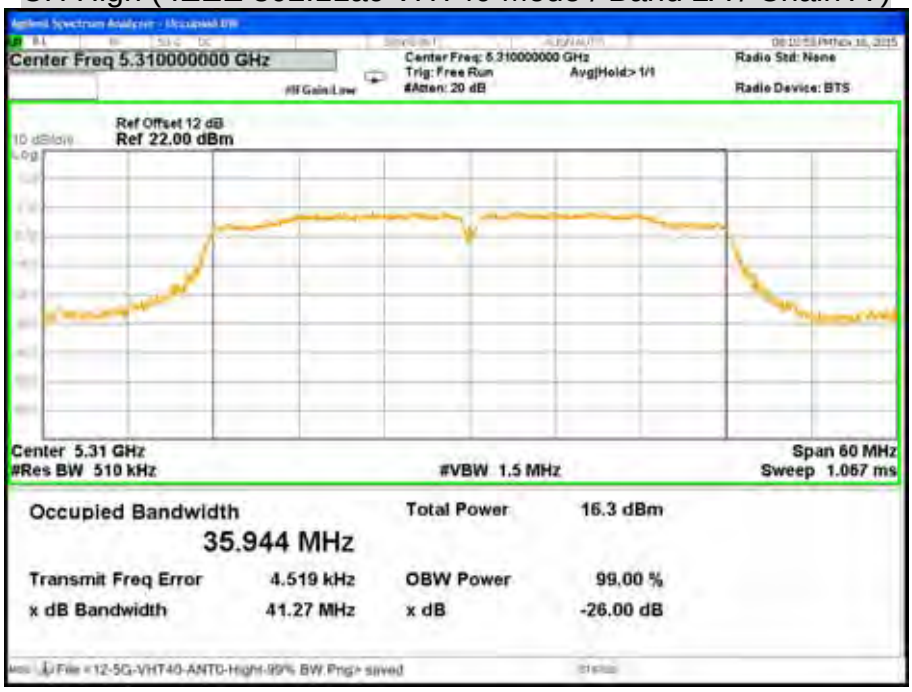
CH High (IEEE 802.11ac VHT20 Mode / Band 2C / Chain B)



CH Low (IEEE 802.11ac VHT40 Mode / Band 2A / Chain A)

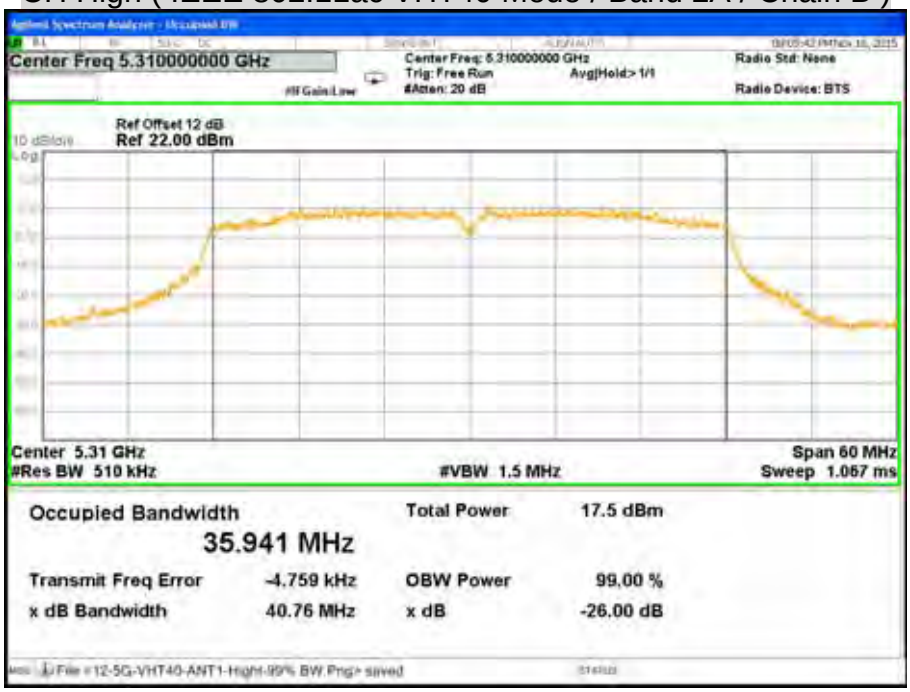


CH High (IEEE 802.11ac VHT40 Mode / Band 2A / Chain A)

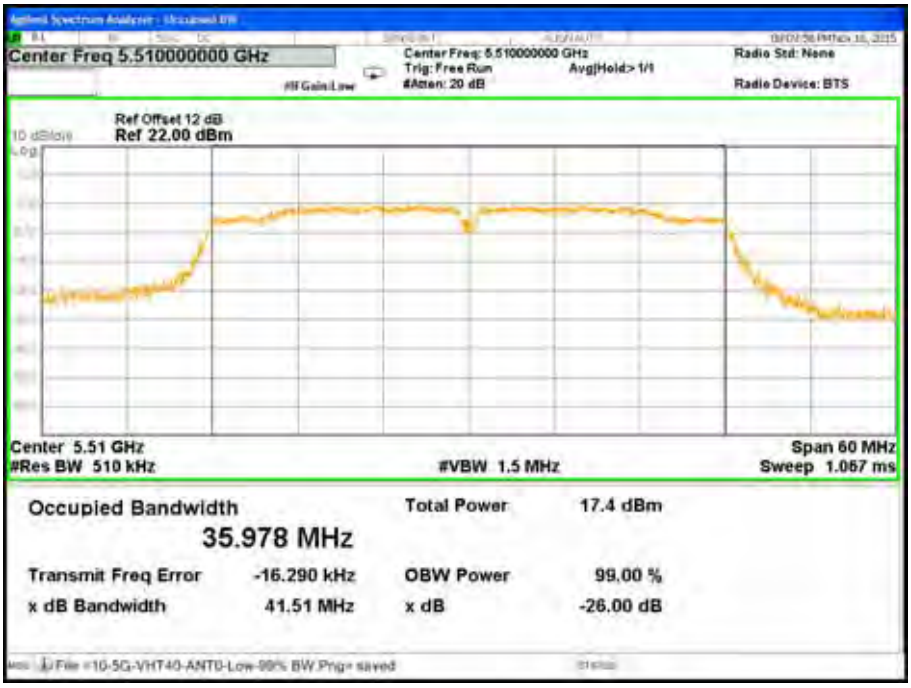


CH Low (IEEE 802.11ac VHT40 Mode / Band 2A / Chain B)

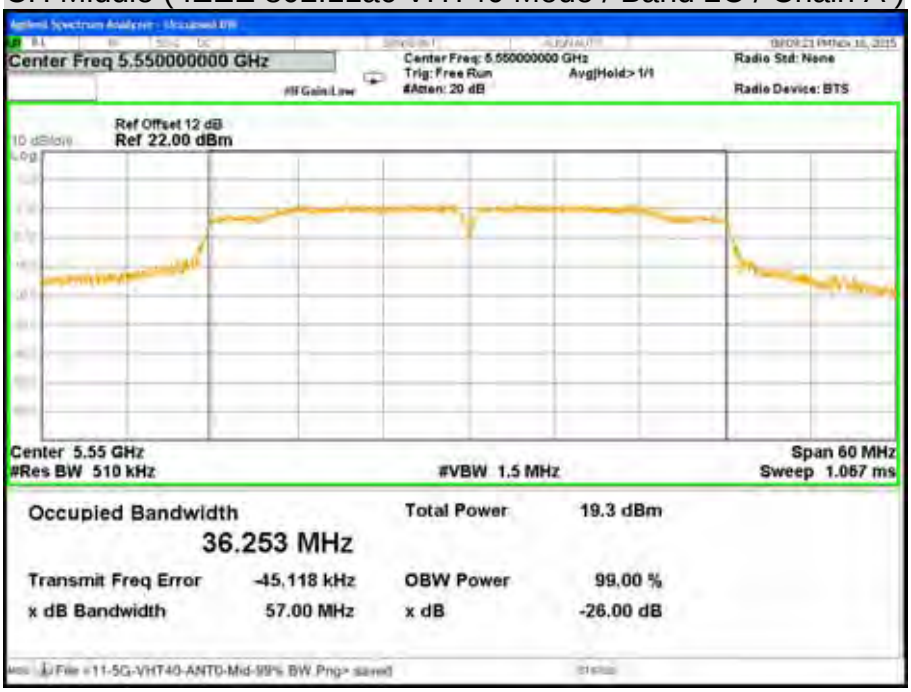
CH High (IEEE 802.11ac VHT40 Mode / Band 2A / Chain B)



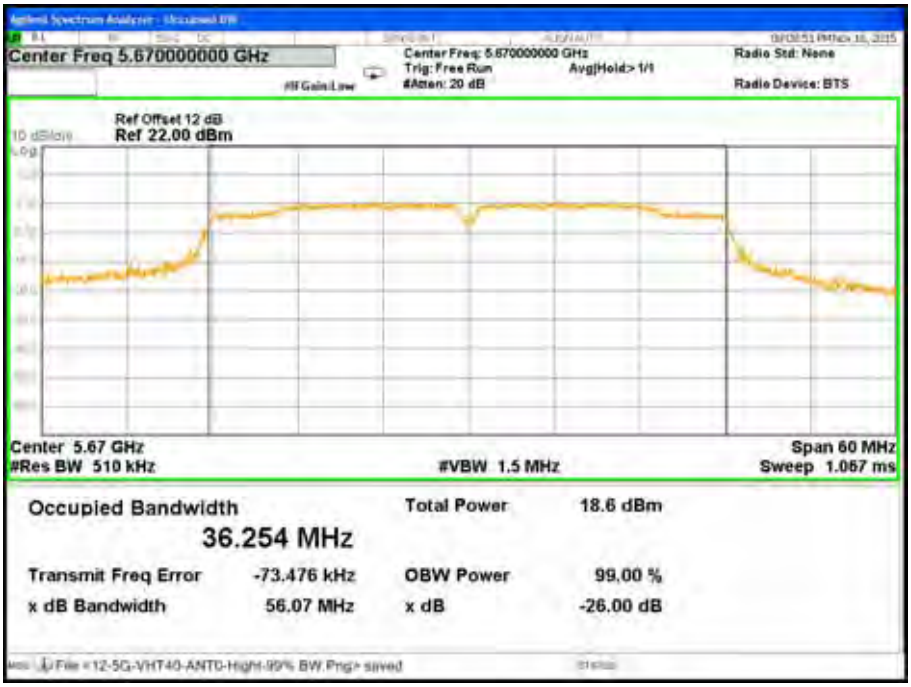
CH Low (IEEE 802.11ac VHT40 Mode / Band 2C / Chain A)



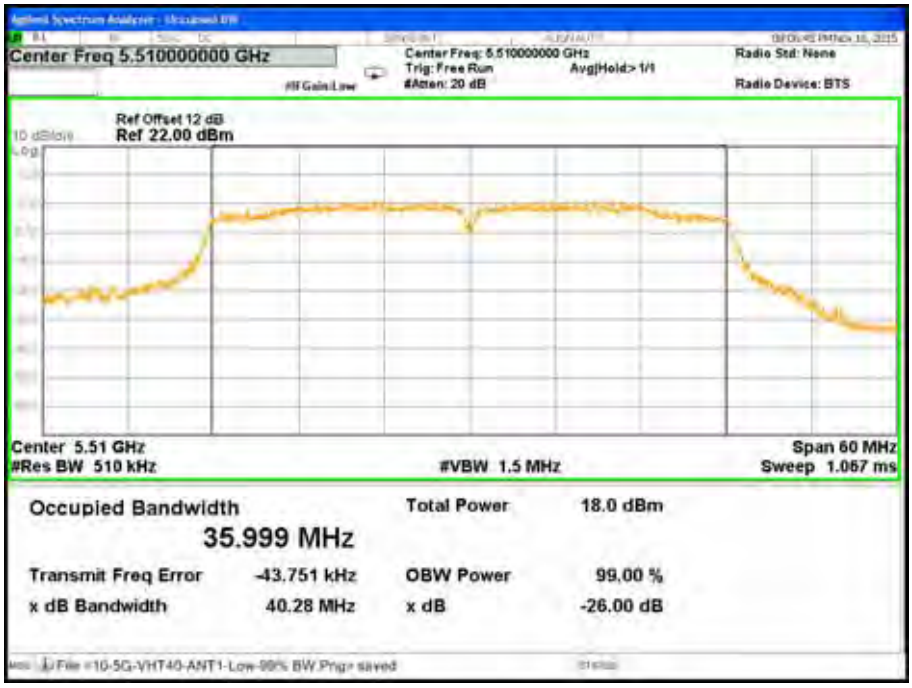
CH Middle (IEEE 802.11ac VHT40 Mode / Band 2C / Chain A)



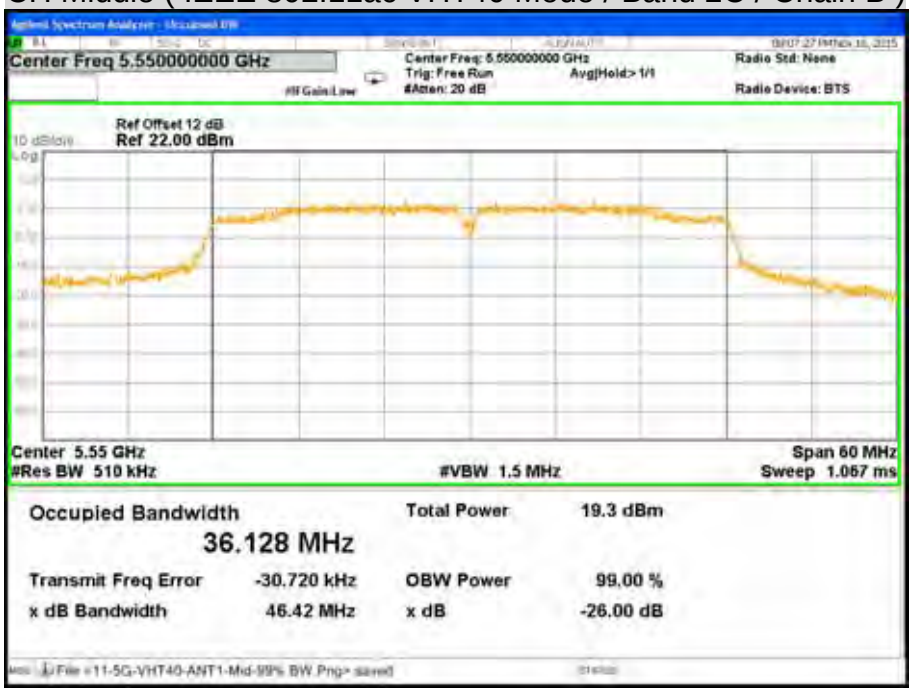
CH High (IEEE 802.11ac VHT40 Mode / Band 2C / Chain A)



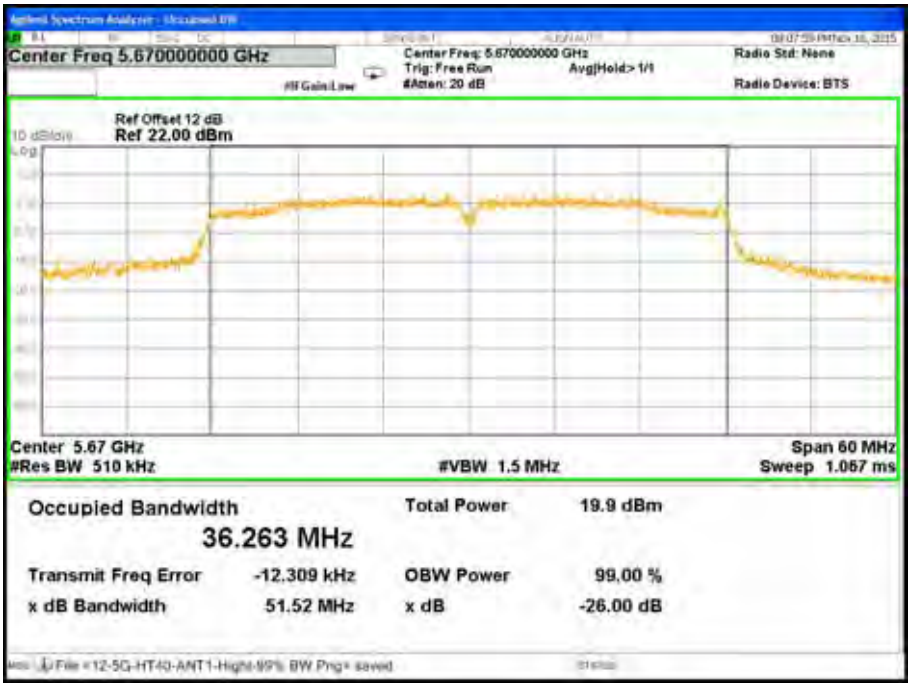
CH Low (IEEE 802.11ac VHT40 Mode / Band 2C / Chain B)



CH Middle (IEEE 802.11ac VHT40 Mode / Band 2C / Chain B)

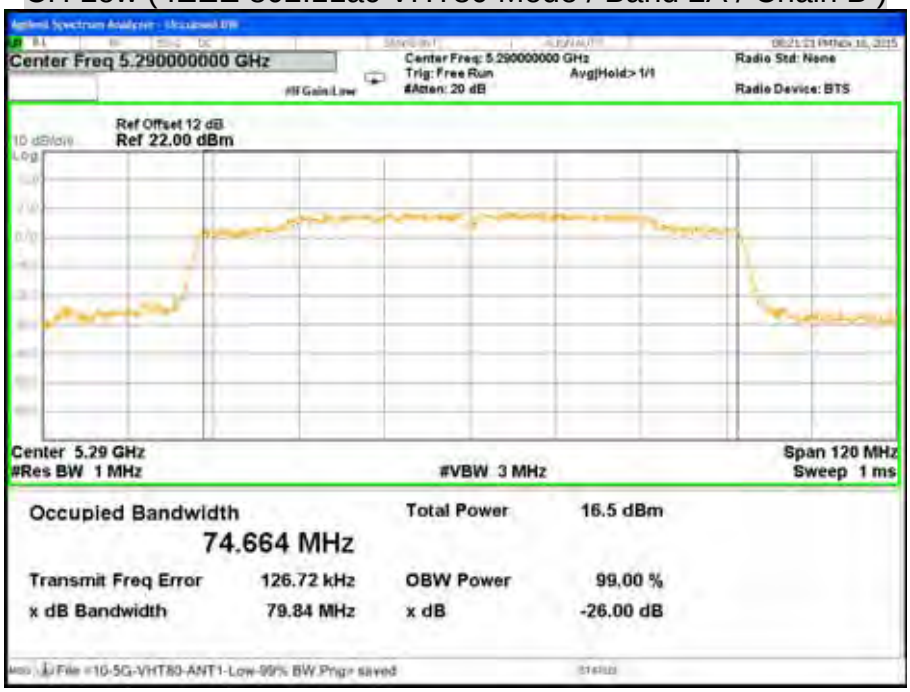


CH High (IEEE 802.11ac VHT40 Mode / Band 2C / Chain B)

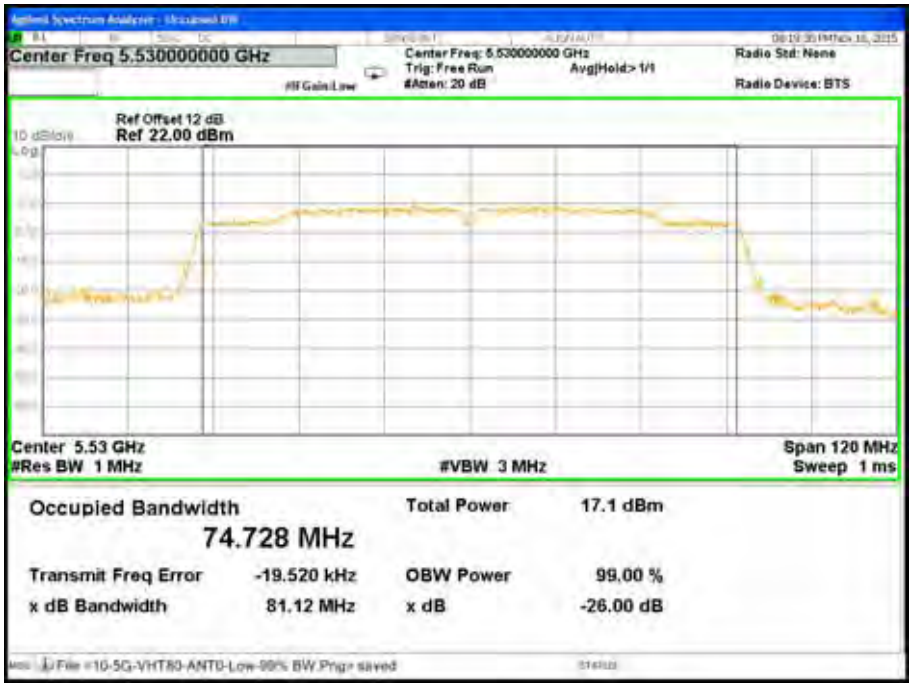


CH Low (IEEE 802.11ac VHT80 Mode / Band 2A / Chain A)

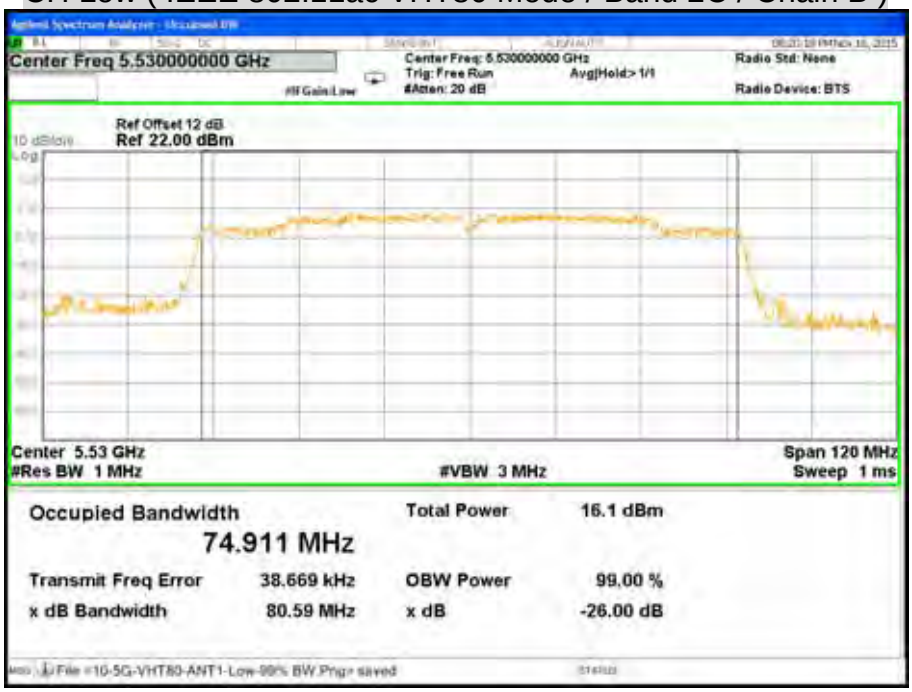
CH Low (IEEE 802.11ac VHT80 Mode / Band 2A / Chain B)



CH Low (IEEE 802.11ac VHT80 Mode / Band 2C / Chain A)



CH Low (IEEE 802.11ac VHT80 Mode / Band 2C / Chain B)



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
EXA Signal Analyzer	Agilent	N9010A	MY52220817	03/19/2016

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

U-NII	Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)
			Chain A
Band 3	Low	5745	16.35
	Middle	5785	16.41
	High	5825	16.44

IEEE 802.11ac VHT20 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	
			Chain A	Chain B
Band 3	Low	5745	17.71	17.74
	Middle	5785	17.66	17.65
	High	5825	17.62	17.70

IEEE 802.11ac VHT40 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	
			Chain A	Chain B
Band 3	Low	5755	34.44	35.21
	High	5795	35.35	34.56

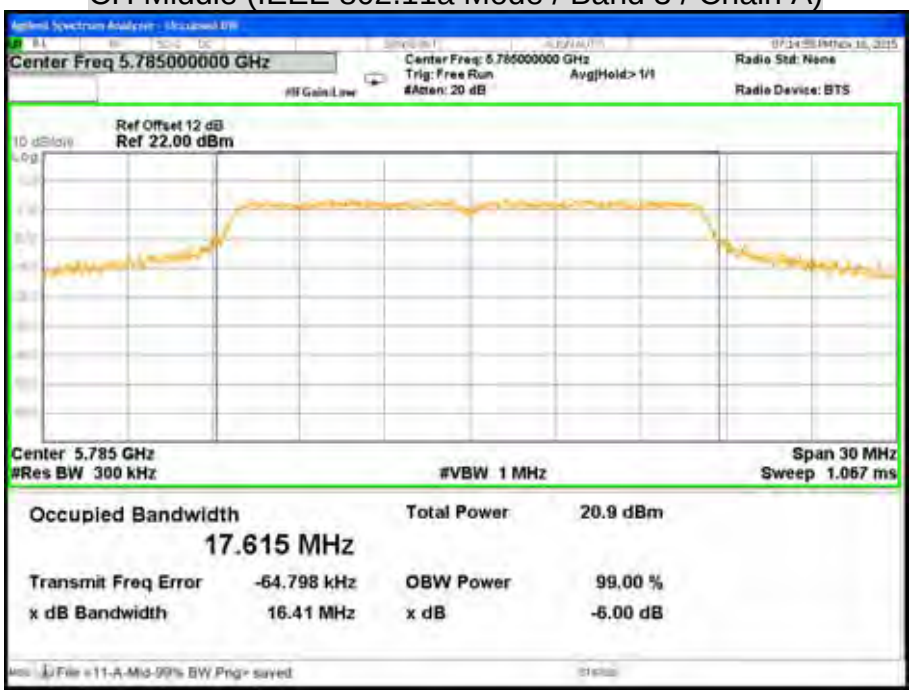
IEEE 802.11ac VHT80 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	
			Chain A	Chain B
Band 3	Low	5775	74.40	73.88

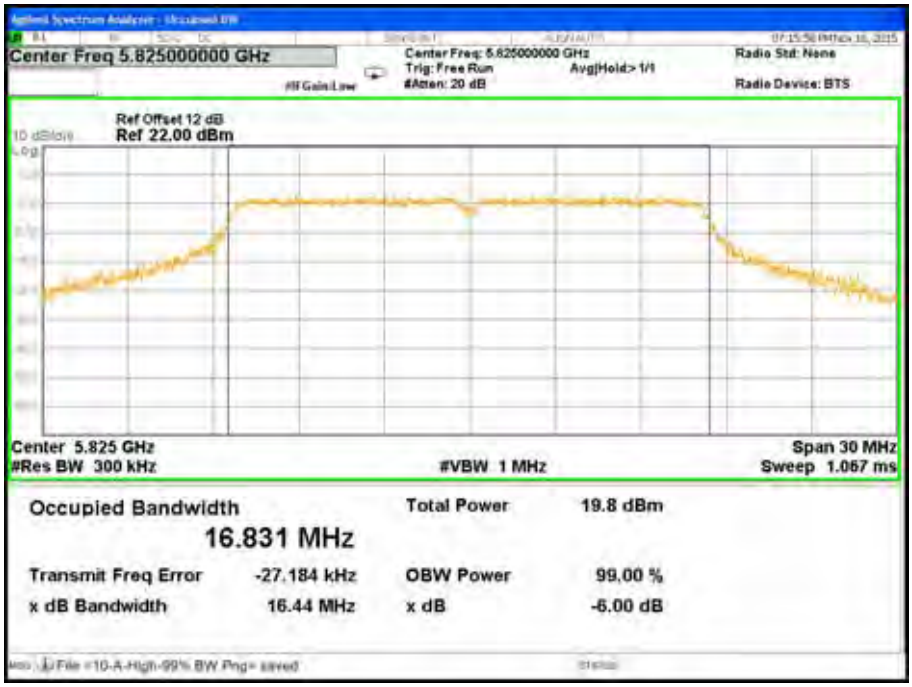
6dB BANDWIDTH

CH Low (IEEE 802.11a Mode / Band 3 / Chain A)

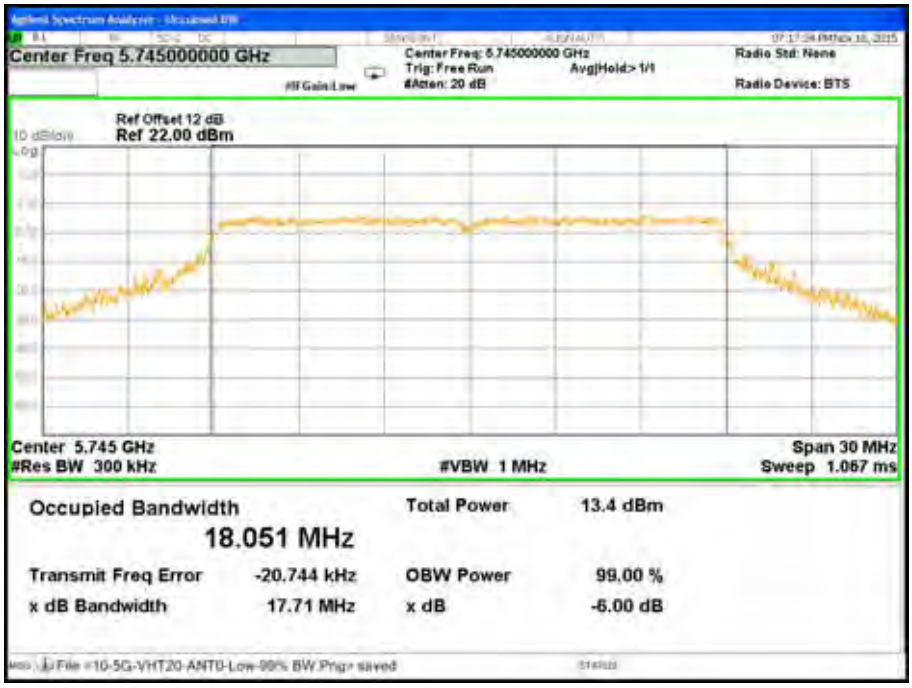
CH Middle (IEEE 802.11a Mode / Band 3 / Chain A)



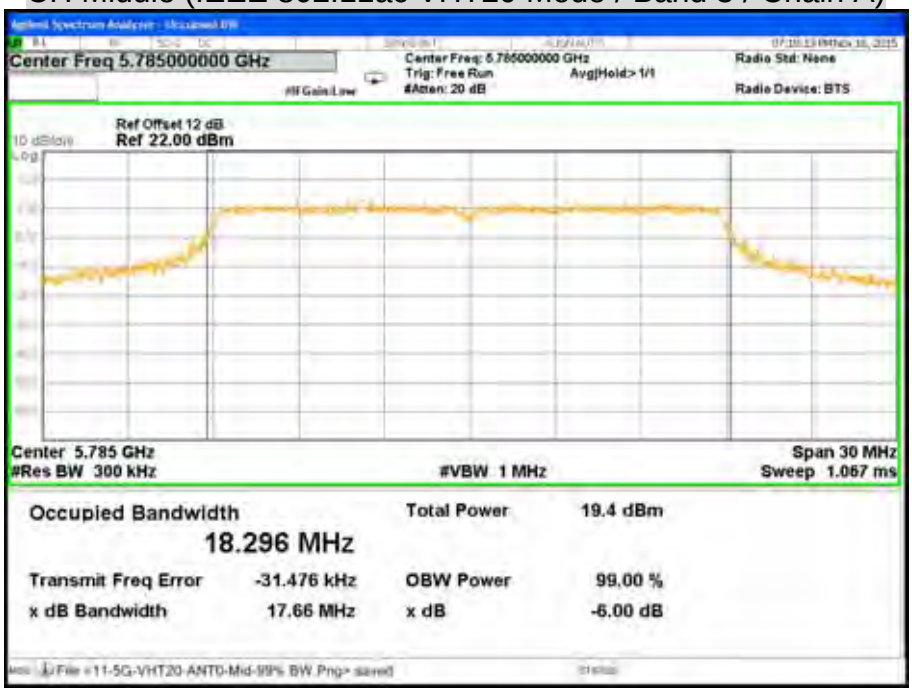
CH High (IEEE 802.11a Mode / Band 3 / Chain A)



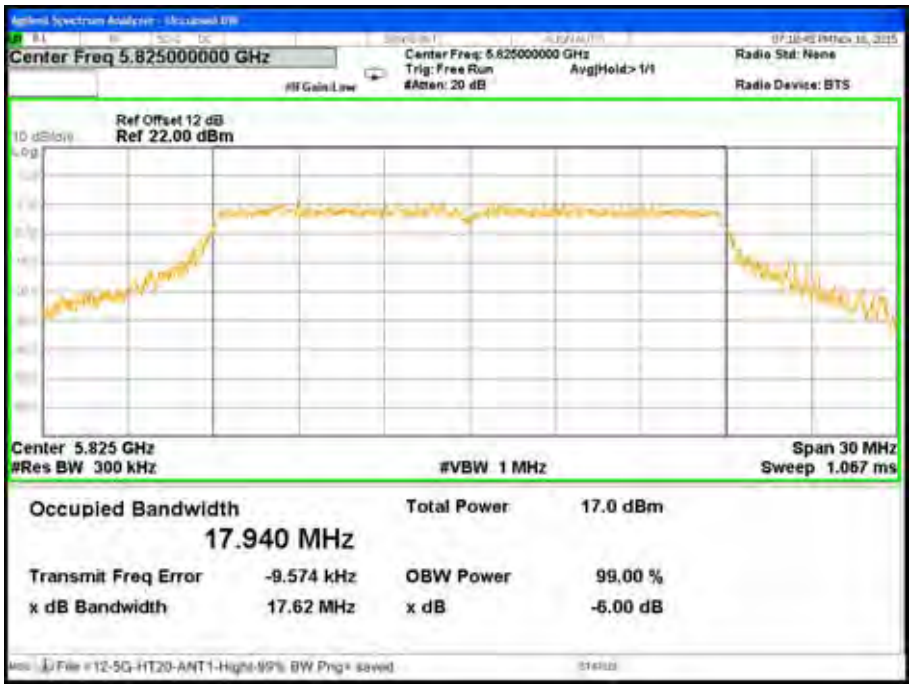
CH Low (IEEE 802.11ac VHT20 Mode / Band 3 / Chain A)



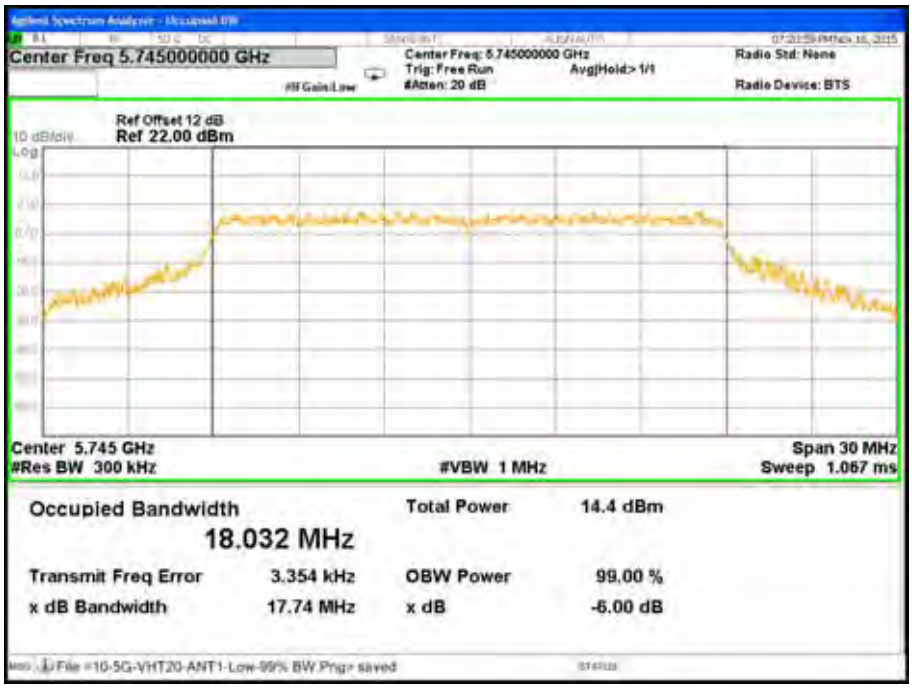
CH Middle (IEEE 802.11ac VHT20 Mode / Band 3 / Chain A)



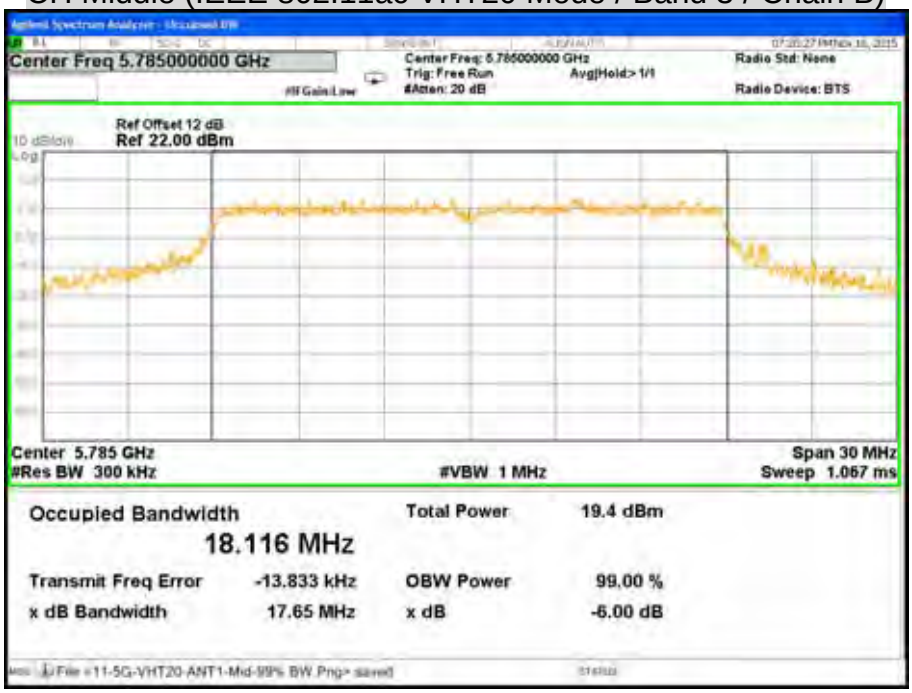
CH High (IEEE 802.11ac VHT20 Mode / Band 3 / Chain A)



CH Low (IEEE 802.11ac VHT20 Mode / Band 3 / Chain B)

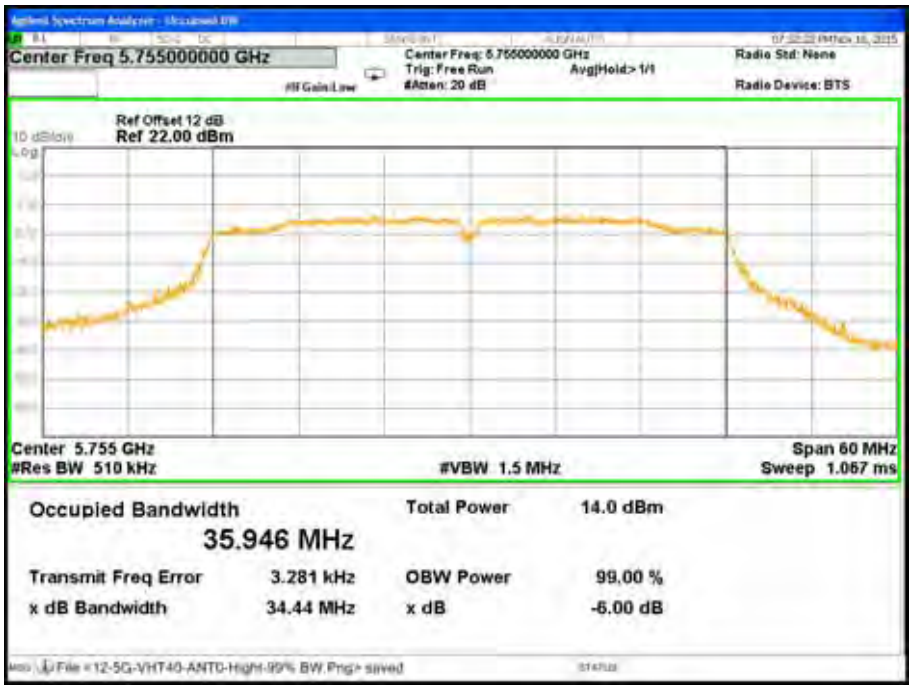


CH Middle (IEEE 802.11ac VHT20 Mode / Band 3 / Chain B)

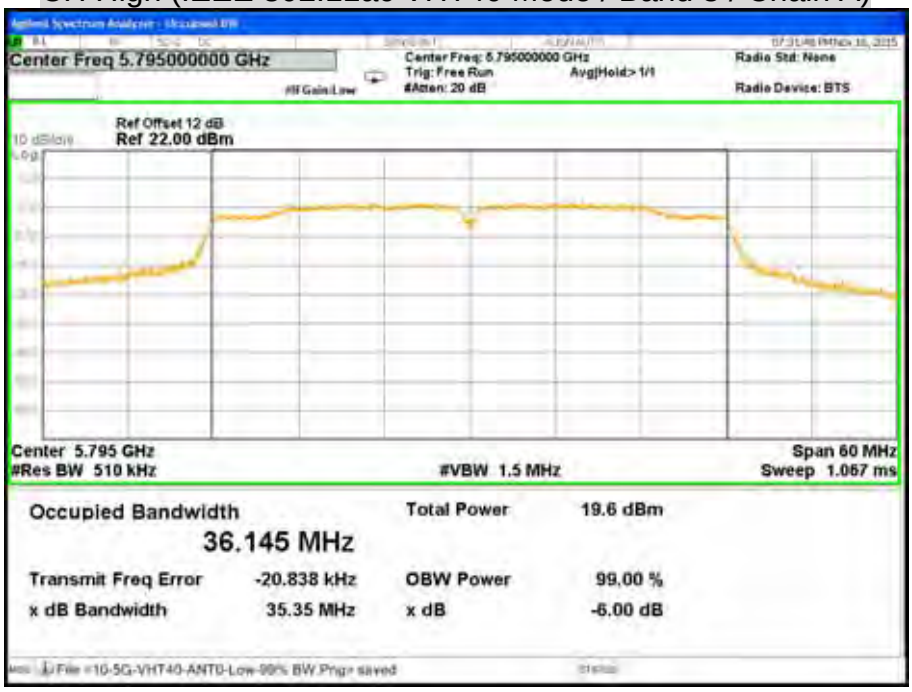


CH High (IEEE 802.11ac VHT20 Mode / Band 3 / Chain B)

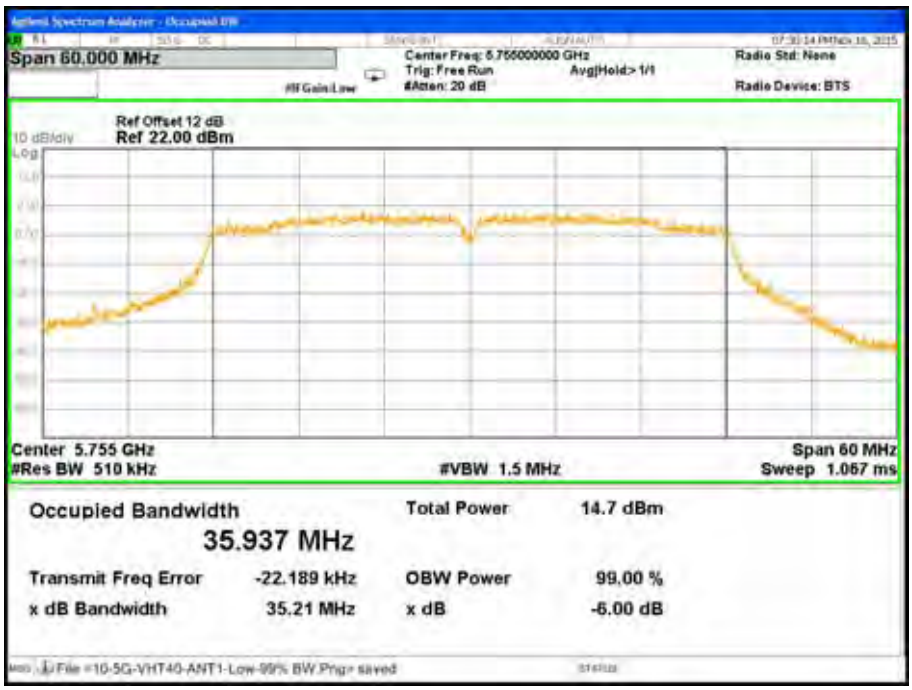
CH Low (IEEE 802.11ac VHT40 Mode / Band 3 / Chain A)



CH High (IEEE 802.11ac VHT40 Mode / Band 3 / Chain A)



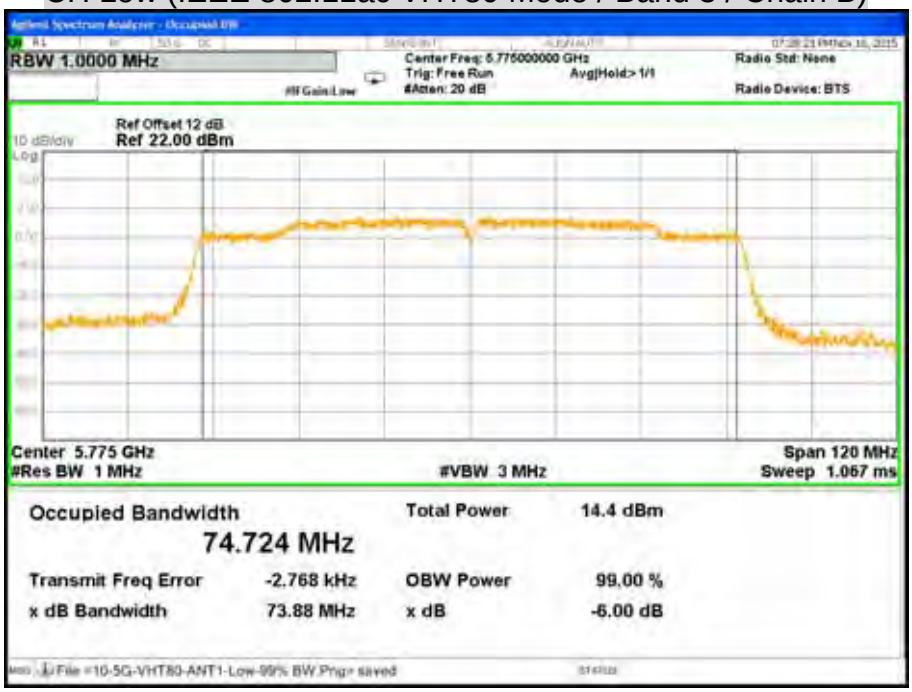
CH Low (IEEE 802.11ac VHT40 Mode / Band 3 / Chain B)



CH High (IEEE 802.11ac VHT40 Mode / Band 3 / Chain B)

CH Low (IEEE 802.11ac VHT80 Mode / Band 3 / Chain A)

CH Low (IEEE 802.11ac VHT80 Mode / Band 3 / Chain B)



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 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 $N_{ANT} \leq 4$;

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

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

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
MIMO Power Measurement Test Set	Agilent	U2021XA	MY53470010	12/14/2015

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

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)	10 Log B (dB)	11dBm + 10 Log B (dBm)	Maximum Conducted Output Power Limit (dBm)
		Chain A			
Low	5260	29.49	14.70	25.70	24
Middle	5300	29.99	14.77	25.77	24
High	5320	23.16	13.65	24.65	24

IEEE 802.11a Mode / UNII Band 2C

Channel	Channel Frequency (MHz)	26dB Bandwidth (B) (MHz)	10 Log B (dB)	11dBm + 10 Log B (dBm)	Maximum Conducted Output Power Limit (dBm)
		Chain A			
Low	5500	24.68	13.92	24.92	24
Middle	5580	29.92	14.76	25.76	24
High	5700	24.16	13.83	24.83	24

IEEE 802.11ac VHT20 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 A	Chain B	Chain A	Chain B	Chain A	Chain B	
Low	5260	28.67	28.24	14.57	14.51	25.57	25.51	24
Middle	5300	29.65	26.06	14.72	14.16	25.72	25.16	24
High	5320	25.59	24.32	14.08	13.86	25.08	24.86	24

IEEE 802.11ac VHT20 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 A	Chain B	Chain A	Chain B	Chain A	Chain B	
Low	5500	25.38	26.06	14.04	14.16	25.04	25.16	24
Middle	5580	29.91	29.13	14.76	14.64	25.76	25.64	24
High	5700	25.48	25.48	14.06	14.06	25.06	25.06	24

IEEE 802.11ac VHT40 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 A	Chain B	Chain A	Chain B	Chain A	Chain B	
Low	5270	56.59	46.92	17.53	16.71	28.53	27.71	24
High	5310	41.27	40.76	16.16	16.10	27.16	27.10	24

IEEE 802.11ac VHT40 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 A	Chain B	Chain A	Chain B	Chain A	Chain B	
Low	5510	41.51	40.28	16.18	16.05	27.18	27.05	24
Middle	5550	57.00	46.42	17.56	16.67	28.56	27.67	24
High	5670	56.07	51.52	17.49	17.12	28.49	28.12	24

IEEE 802.11ac VHT80 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 A	Chain B	Chain A	Chain B	Chain A	Chain B	
Low	5290	80.25	79.84	19.04	19.02	30.04	30.02	24

IEEE 802.11ac VHT80 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 A	Chain B	Chain A	Chain B	Chain A	Chain B	
Low	5530	81.12	80.59	19.09	19.06	30.09	30.06	24

IEEE 802.11a Mode

UNII Band	Channel	Channel Frequency (MHz)	Power Chain A		Power Limit		Pass / Fail
			(dBm)	(W)	(dBm)	(W)	
Band 1	Low	5180	12.00	0.0158	24	0.25	Pass
	Middle	5200	14.13	0.0259	24	0.25	Pass
	High	5240	14.73	0.0297	24	0.25	Pass
Band 2A	Low	5260	14.68	0.0294	24	0.25	Pass
	Middle	5300	15.77	0.0378	24	0.25	Pass
	High	5320	13.56	0.0227	24	0.25	Pass
Band 2C	Low	5500	14.41	0.0276	24	0.25	Pass
	Middle	5580	15.51	0.0356	24	0.25	Pass
	High	5700	14.08	0.0256	24	0.25	Pass
Band 3	Low	5745	13.48	0.0223	30	1.00	Pass
	Middle	5785	15.01	0.0317	30	1.00	Pass
	High	5825	13.85	0.0243	30	1.00	Pass

Remark:

1. At finial test to get the worst-case emission at 6 Mbps.

2. The cable assembly insertion loss of 10dB (including 10 dB pad and 05.dB cable) was Entered as an offset in the power meter to allow for direct reading of power.

IEEE 802.11ac VHT20 Mode (2TX)

UNII Band	Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
			Chain A	Chain B	(dBm)	(W)	(dBm)	(W)	
Band 1	Low	5180	10.48	9.54	13.05	0.0202	24	0.25	Pass
	Middle	5200	12.80	13.20	16.01	0.0399	24	0.25	Pass
	High	5240	13.54	13.86	16.71	0.0469	24	0.25	Pass
Band 2A	Low	5260	13.87	14.52	17.22	0.0527	24	0.25	Pass
	Middle	5300	14.44	14.93	17.70	0.0589	24	0.25	Pass
	High	5320	12.40	12.53	15.48	0.0353	24	0.25	Pass
Band 2C	Low	5500	12.98	13.70	16.37	0.0434	24	0.25	Pass
	Middle	5580	14.01	13.45	16.75	0.0473	24	0.25	Pass
	High	5700	11.61	13.17	15.47	0.0352	24	0.25	Pass
Band 3	Low	5745	7.95	8.53	11.26	0.0134	30	1.00	Pass
	Middle	5785	13.68	13.87	16.79	0.0478	30	1.00	Pass
	High	5825	12.60	13.18	15.91	0.0390	30	1.00	Pass

Remark:

1. At finial test to get the worst-case emission at 6.5 Mbps.
2. The cable assembly insertion loss of 10dB (including 10 dB pad and 0.5dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for $N_{ANT} \leq 4$, power limit do not reduce.
4. Total peak power = Chain A + Chain B.

IEEE 802.11ac VHT40 Mode (2TX)

UNII Band	Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
			Chain A	Chain B	(dBm)	(W)	(dBm)	(W)	
Band 1	Low	5190	8.75	8.17	11.48	0.0141	24	0.25	Pass
	High	5230	13.10	13.57	16.35	0.0432	24	0.25	Pass
Band 2A	Low	5270	13.71	14.58	17.18	0.0522	24	0.25	Pass
	High	5310	10.49	10.33	13.42	0.0220	24	0.25	Pass
Band 2C	Low	5510	12.36	13.42	15.93	0.0392	24	0.25	Pass
	Middle	5550	14.45	14.02	17.25	0.0531	24	0.25	Pass
	High	5670	13.09	13.79	16.46	0.0443	24	0.25	Pass
Band 3	Low	5755	8.15	8.61	11.40	0.0138	30	1.00	Pass
	High	5795	13.53	13.72	16.64	0.0461	30	1.00	Pass

Remark:

1. At finial test to get the worst-case emission at 13.5 Mbps.
2. The cable assembly insertion loss of 10dB (including 10 dB pad and 0.5dB cable) was Entered as an offset in the power meter to allow for direct reading of power.
3. Array gain = 0 dB for $N_{ANT} \leq 4$, power limit do not reduce.
4. Total peak power = Chain A + Chain B.

IEEE 802.11ac VHT80 Mode (2TX)

UNII Band	Channel	Channel Frequency (MHz)	Power (dBm)		Power Total		Power Limit		Pass / Fail
			Chain A	Chain B	(dBm)	(W)	(dBm)	(W)	
Band 1	Low	5210	7.42	7.41	10.43	0.0110	24	0.25	Pass
Band 2A	Low	5290	8.88	8.70	11.80	0.0151	24	0.25	Pass
Band 2C	Low	5530	9.92	9.81	12.88	0.0194	24	0.25	Pass
Band 3	Low	5775	7.45	7.86	10.67	0.0117	30	1.00	Pass

Remark:

1. *At finial test to get the worst-case emission at 29.3 Mbps.*
2. *The cable assembly insertion loss of 10dB (including 10 dB pad and 0.5dB cable) was Entered as an offset in the power meter to allow for direct reading of power.*
3. *Array gain = 0 dB for $N_{ANT} \leq 4$, power limit do not reduce.*
4. *Total peak power = Chain A + Chain B.*

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
EXA Signal Analyzer	Agilent	N9010A	MY52220817	03/19/2016

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

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)	Minimum Limit (dBm/MHz)	Pass / Fail
			Chain A		
Band 1	Low	5180	-0.198	11.00	PASS
	Middle	5200	2.577	11.00	PASS
	High	5240	3.323	11.00	PASS
Band 2A	Low	5260	3.475	11.00	PASS
	Middle	5300	4.333	11.00	PASS
	High	5320	1.970	11.00	PASS
Band 2C	Low	5500	2.400	11.00	PASS
	Middle	5580	3.062	11.00	PASS
	High	5700	1.684	11.00	PASS

Remark:

1. At finial test to get the worst-case emission at 6Mbps.

2. The cable assembly insertion loss of 10 dB (including 10 dB pad and 0.5 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.

IEEE 802.11ac VHT20 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)		PSD Total (dBm)	Minimum Limit (dBm/MHz)	Pass / Fail
			Chain A	Chain B			
Band 1	Low	5180	-1.156	-1.826	1.53	8.49	PASS
	Middle	5200	1.343	1.933	4.66	8.49	PASS
	High	5240	2.458	2.518	5.50	8.49	PASS
Band 2A	Low	5260	2.676	2.960	5.83	8.49	PASS
	Middle	5300	2.920	3.574	6.27	8.49	PASS
	High	5320	0.675	0.977	3.84	8.49	PASS
Band 2C	Low	5500	0.468	0.929	3.71	8.49	PASS
	Middle	5580	1.510	0.881	4.22	8.49	PASS
	High	5700	0.153	0.862	3.53	8.49	PASS

Remark:

1. At finial test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 10 dB (including 10 dB pad and 0.5 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.
3. The maximum antenna gain is 8.51dBi which is more than 6dBi, the limit should be 8.49dBm.
4. Total power spectral density = Chain A + Chain B.

IEEE 802.11ac VHT40 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)		PSD Total (dBm)	Minimum Limit (dBm/MHz)	Pass / Fail
			Chain A	Chain B			
Band 1	Low	5190	-5.631	-5.668	-2.64	8.49	PASS
	High	5230	-1.291	0.294	2.58	8.49	PASS
Band 2A	Low	5270	-0.041	1.034	3.54	8.49	PASS
	High	5310	-3.844	-3.926	-0.87	8.49	PASS
Band 2C	Low	5510	-2.444	-2.203	0.69	8.49	PASS
	Middle	5550	-0.878	-0.626	2.26	8.49	PASS
	High	5670	-1.500	-0.507	2.04	8.49	PASS

Remark:

1. At finial test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 10 dB (including 10 dB pad and 0.5 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.
3. The maximum antenna gain is 8.51dBi which is more than 6dBi, the limit should be 8.49dBm.
4. Total power spectral density = Chain A + Chain B.

IEEE 802.11ac VHT80 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)		PSD Total (dBm)	Minimum Limit (dBm/MHz)	Pass / Fail
			Chain A	Chain B			
Band 1	Low	5210	-8.671	-9.457	-6.04	8.49	PASS
Band 2A	Low	5290	-7.557	-7.163	-4.35	8.49	PASS
Band 2C	Low	5530	-7.417	-7.406	-4.40	8.49	PASS

Remark:

1. At finial test to get the worst-case emission at 29.3Mbps.
2. The cable assembly insertion loss of 10 dB (including 10 dB pad and 0.5 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.
3. The maximum antenna gain is 8.51dBi which is more than 6dBi, the limit should be 8.49dBm.
4. Total power spectral density = Chain A + Chain B.

IEEE 802.11a Mode

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)	Minimum Limit (dBm/500kHz)	Pass / Fail
			Chain A		
Band 3	Low	5745	-2.245	30	PASS
	Middle	5785	0.041	30	PASS
	High	5825	-0.820	30	PASS

Remark:

1. At finial test to get the worst-case emission at 6Mbps.
2. The cable assembly insertion loss of 10 dB (including 10 dB pad and 0.5 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.

IEEE 802.11ac VHT20 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)		PSD Total (dBm)	Minimum Limit (dBm/500kHz)	Pass / Fail
			Chain A	Chain B			
Band 3	Low	5745	-6.720	-5.955	-3.31	27.49	PASS
	Middle	5785	-0.558	-0.317	2.57	27.49	PASS
	High	5825	-2.408	-1.183	1.26	27.49	PASS

Remark:

1. At finial test to get the worst-case emission at 6.5Mbps.
2. The cable assembly insertion loss of 10 dB (including 10 dB pad and 0.5 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.
3. The maximum antenna gain is 8.51dBi which is more than 6dBi, the limit should be 27.49dBm.
4. Total power spectral density = Chain A + Chain B.

IEEE 802.11ac VHT40 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)		PSD Total (dBm)	Minimum Limit (dBm/500kHz)	Pass / Fail
			Chain A	Chain B			
Band 3	Low	5755	-8.740	-8.344	-5.53	27.49	PASS
	High	5795	-3.011	-3.409	-0.20	27.49	PASS

Remark:

1. At finial test to get the worst-case emission at 13.5Mbps.
2. The cable assembly insertion loss of 10 dB (including 10 dB pad and 0.5 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.
3. The maximum antenna gain is 8.51dBi which is more than 6dBi, the limit should be 27.49dBm.
4. Total power spectral density = Chain A + Chain B.

IEEE 802.11ac VHT80 Mode (2TX)

U-NII	Channel	Channel Frequency (MHz)	PPSD (dBm)		PSD Total (dBm)	Minimum Limit (dBm/500kHz)	Pass / Fail
			Chain A	Chain B			
Band 3	Low	5775	-11.862	-11.432	-8.63	27.49	PASS

Remark:

1. At finial test to get the worst-case emission at 29.3Mbps.
2. The cable assembly insertion loss of 10 dB (including 10 dB pad and 0.5 dB cable) was Entered as an offset in the spectrum analyzer to allow for direct reading of power.
3. The maximum antenna gain is 8.51dBi which is more than 6dBi, the limit should be 27.49dBm.
4. Total power spectral density = Chain A + Chain B.

POWER SPECTRAL DENSITY

CH Low (IEEE 802.11a Mode / Band 1 / Chain A)

CH Middle (IEEE 802.11a Mode / Band 1 / Chain A)

CH High (IEEE 802.11a Mode / Band 1 / Chain A)

CH Low (IEEE 802.11a Mode / Band 2A / Chain A)

CH Middle (IEEE 802.11a Mode / Band 2A / Chain A)

CH High (IEEE 802.11a Mode / Band 2A / Chain A)

CH Low (IEEE 802.11a Mode / Band 2C / Chain A)

CH Middle (IEEE 802.11a Mode / Band 2C / Chain A)

CH High (IEEE 802.11a Mode / Band 2C / Chain A)

CH Low (IEEE 802.11a Mode / Band 3 / Chain A)

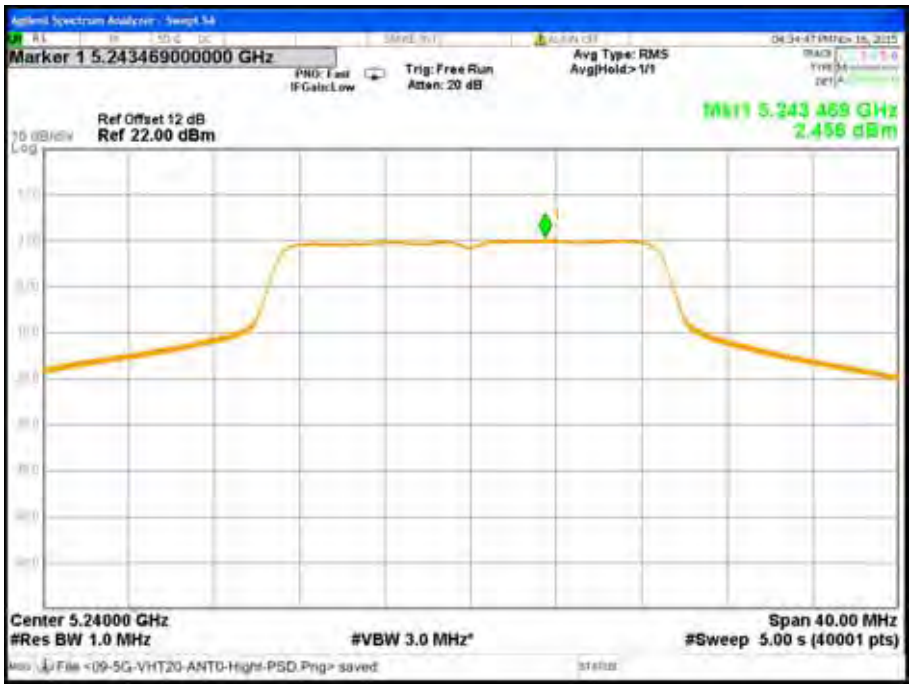
CH Middle (IEEE 802.11a Mode / Band 3 / Chain A)

CH High (IEEE 802.11a Mode / Band 3 / Chain A)

CH Low (IEEE 802.11ac Mode VHT20 / Band 1 / Chain A)

CH Middle (IEEE 802.11ac Mode VHT20 / Band 1 / Chain A)

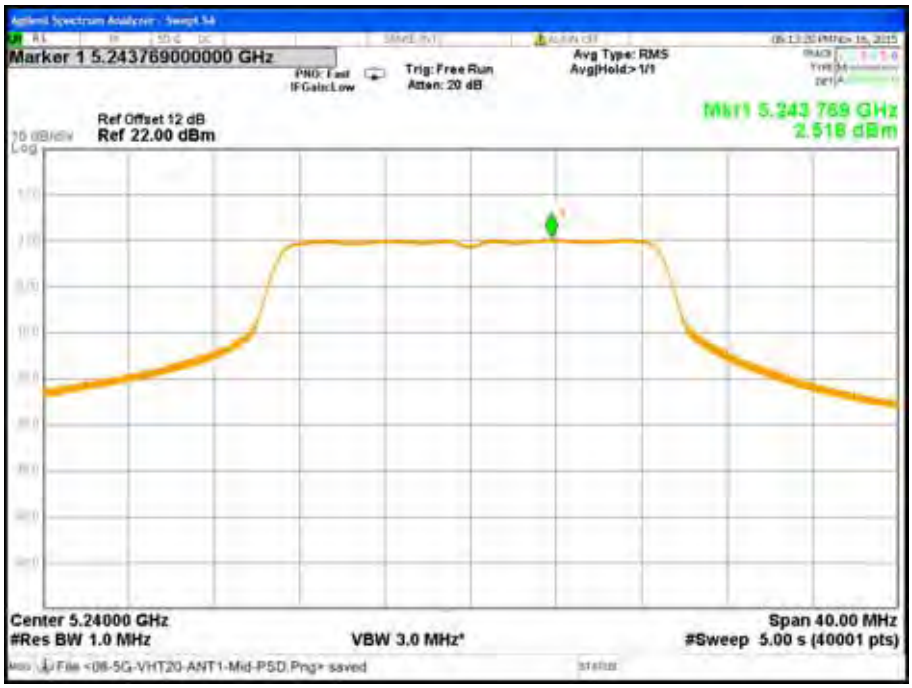
CH High (IEEE 802.11ac Mode VHT20 / Band 1 / Chain A)



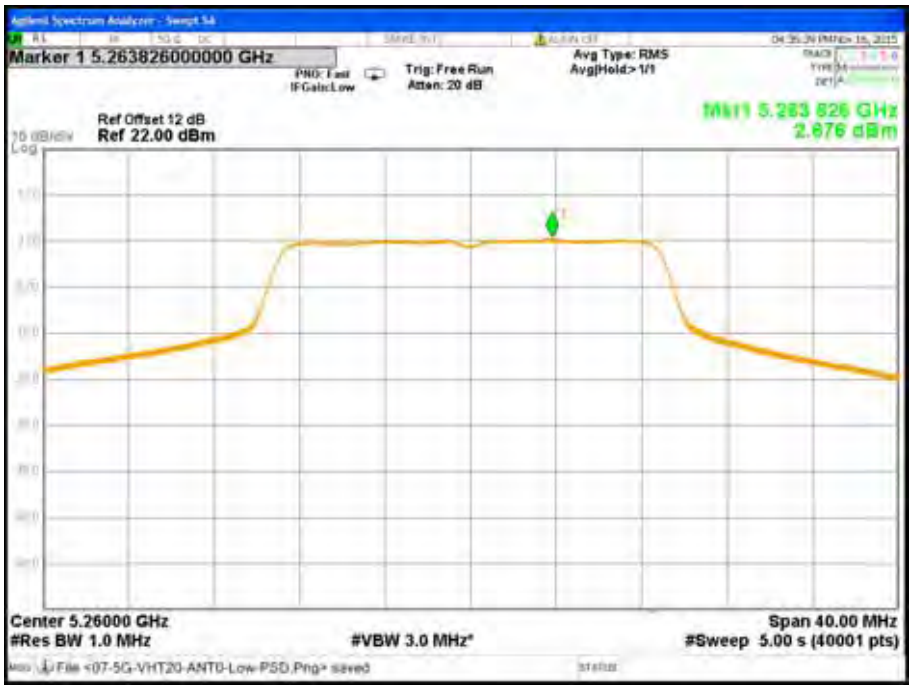
CH Low (IEEE 802.11ac Mode VHT20 / Band 1 / Chain B)

CH Middle (IEEE 802.11ac Mode VHT20 / Band 1 / Chain B)

CH High (IEEE 802.11ac Mode VHT20 / Band 1 / Chain B)



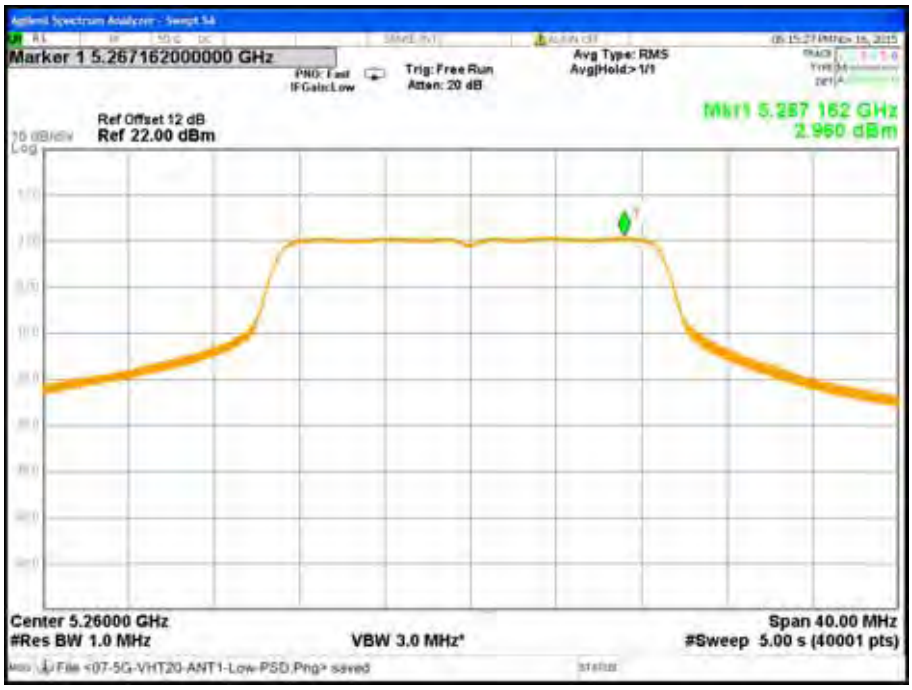
CH Low (IEEE 802.11ac Mode VHT20 / Band 2A / Chain A)



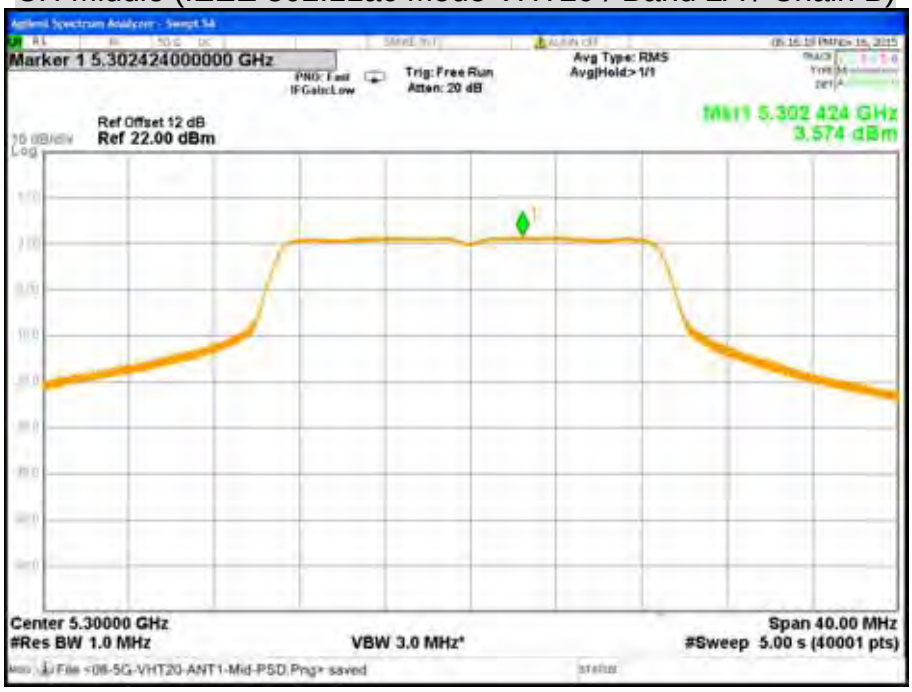
CH Middle (IEEE 802.11ac Mode VHT20 / Band 2A / Chain A)

CH High (IEEE 802.11ac Mode VHT20 / Band 2A / Chain A)

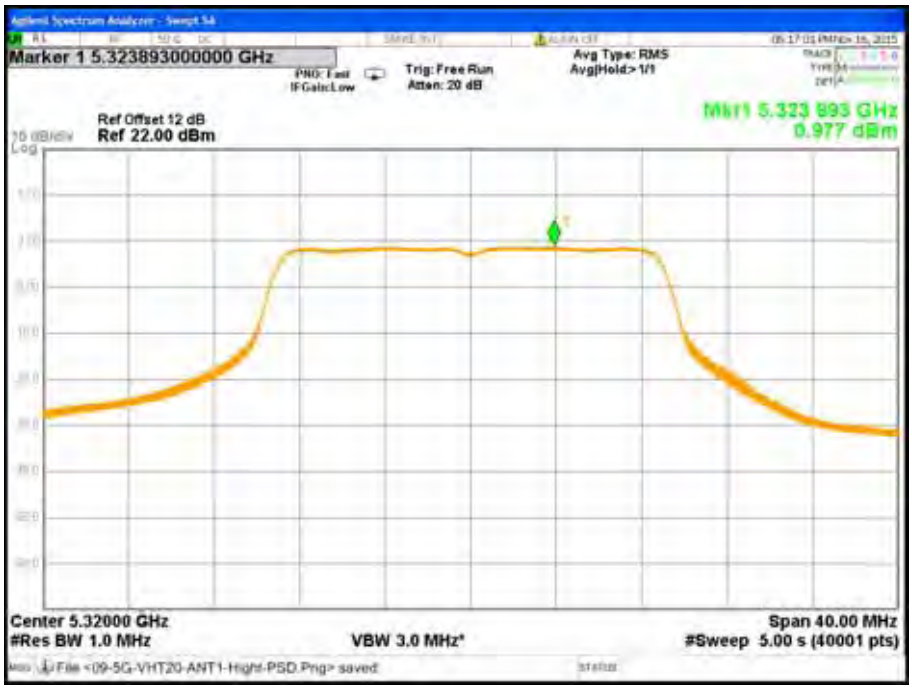
CH Low (IEEE 802.11ac Mode VHT20 / Band 2A / Chain B)



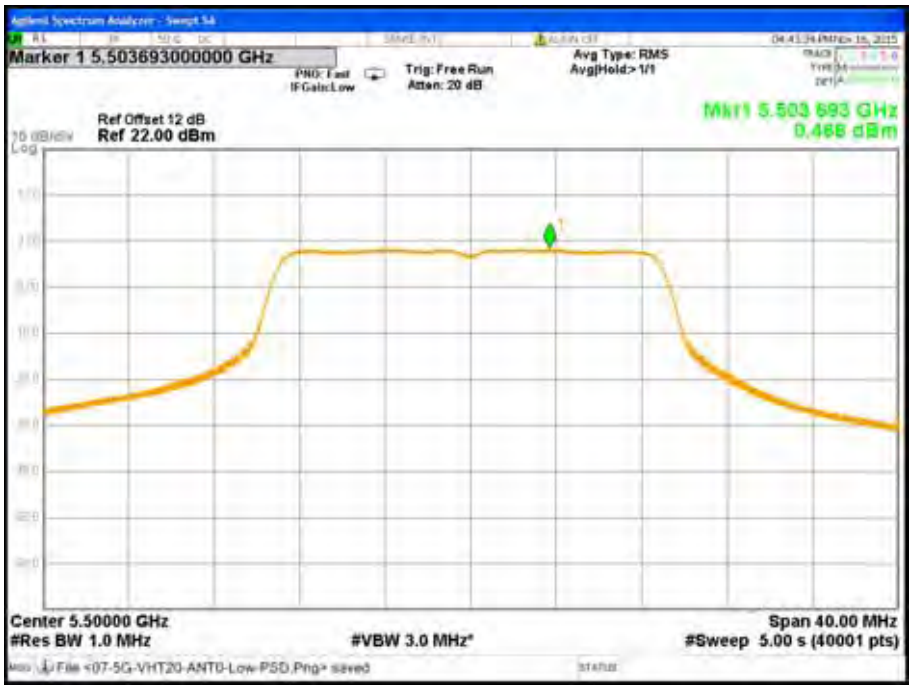
CH Middle (IEEE 802.11ac Mode VHT20 / Band 2A / Chain B)



CH High (IEEE 802.11ac Mode VHT20 / Band 2A / Chain B)



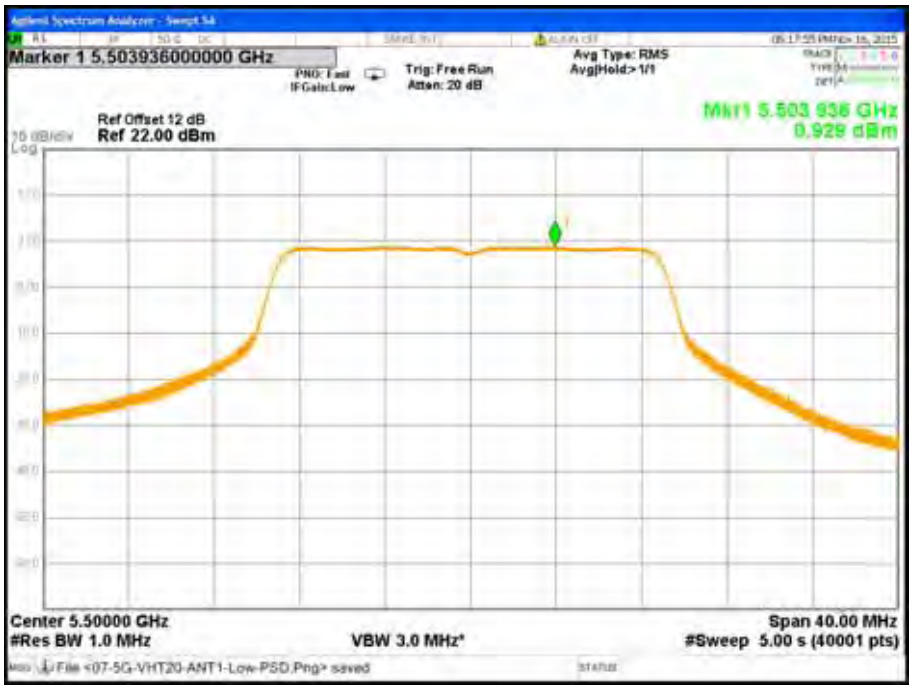
CH Low (IEEE 802.11ac Mode VHT20 / Band 2C / Chain A)



CH Middle (IEEE 802.11ac Mode VHT20 / Band 2C / Chain A)

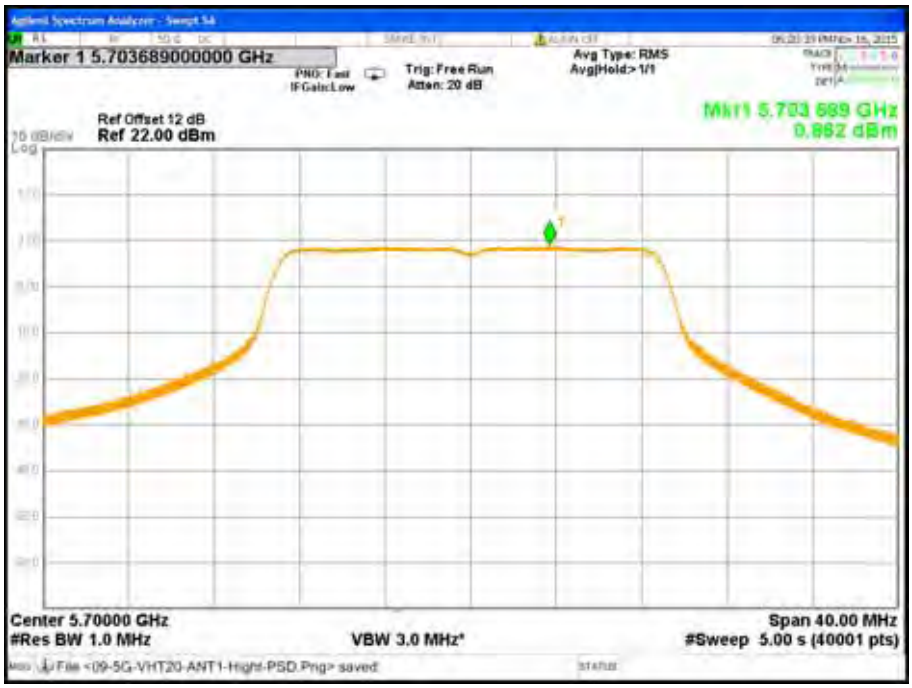
CH High (IEEE 802.11ac Mode VHT20 / Band 2C / Chain A)

CH Low (IEEE 802.11ac Mode VHT20 / Band 2C / Chain B)



CH Middle (IEEE 802.11ac Mode VHT20 / Band 2C / Chain B)

CH High (IEEE 802.11ac Mode VHT20 / Band 2C / Chain B)



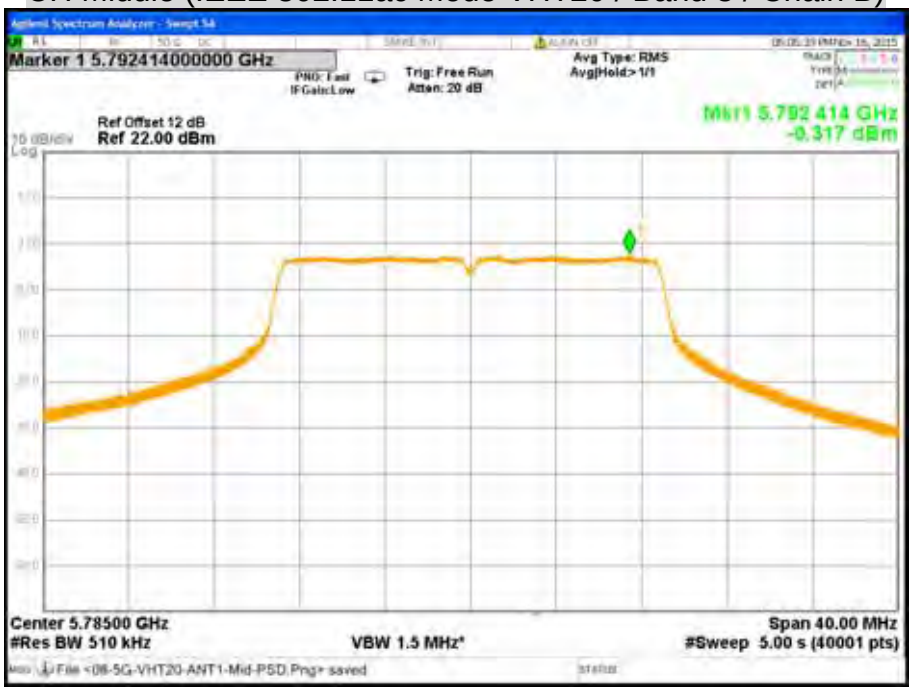
CH Low (IEEE 802.11ac Mode VHT20 / Band 3 / Chain A)

CH Middle (IEEE 802.11ac Mode VHT20 / Band 3 / Chain A)

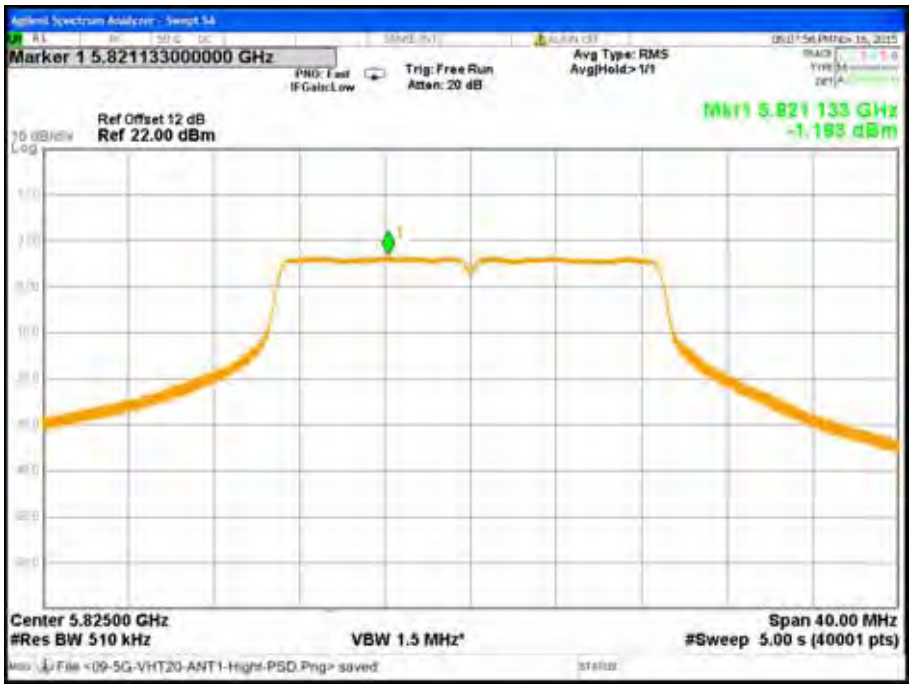
CH High (IEEE 802.11ac Mode VHT20 / Band 3 / Chain A)

CH Low (IEEE 802.11ac Mode VHT20 / Band 3 / Chain B)

CH Middle (IEEE 802.11ac Mode VHT20 / Band 3 / Chain B)



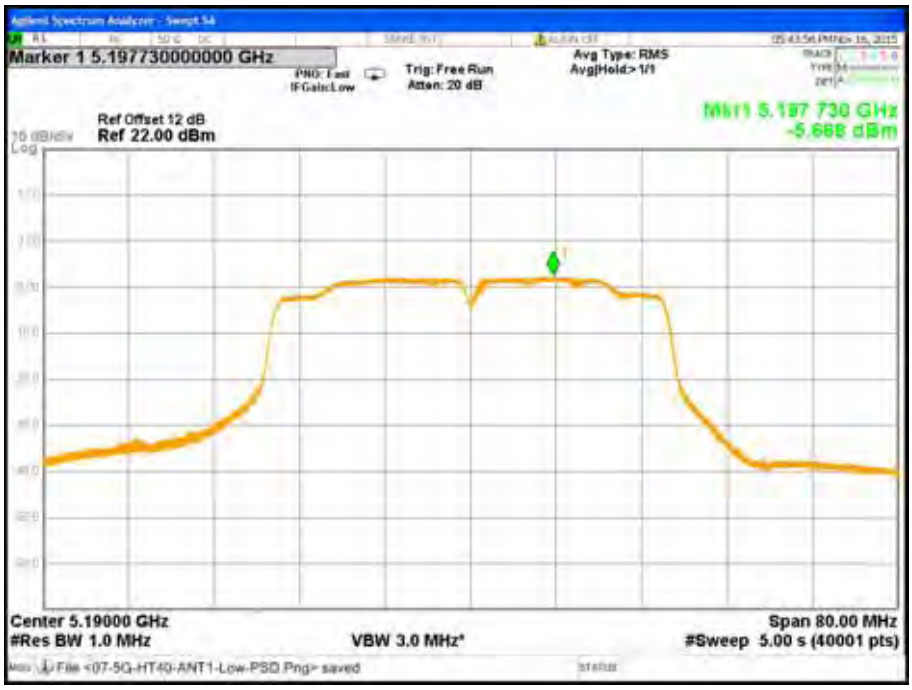
CH High (IEEE 802.11ac Mode VHT20 / Band 3 / Chain B)



CH Low (IEEE 802.11ac Mode VHT40 / Band 1 / Chain A)

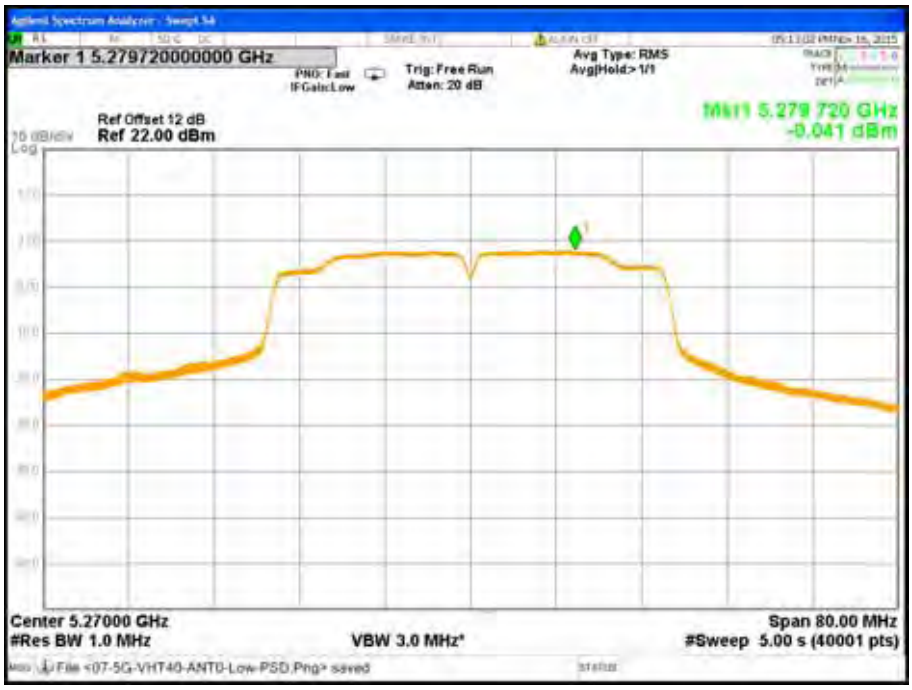
CH High (IEEE 802.11ac Mode VHT40 / Band 1 / Chain A)

CH Low (IEEE 802.11ac Mode VHT40 / Band 1 / Chain B)



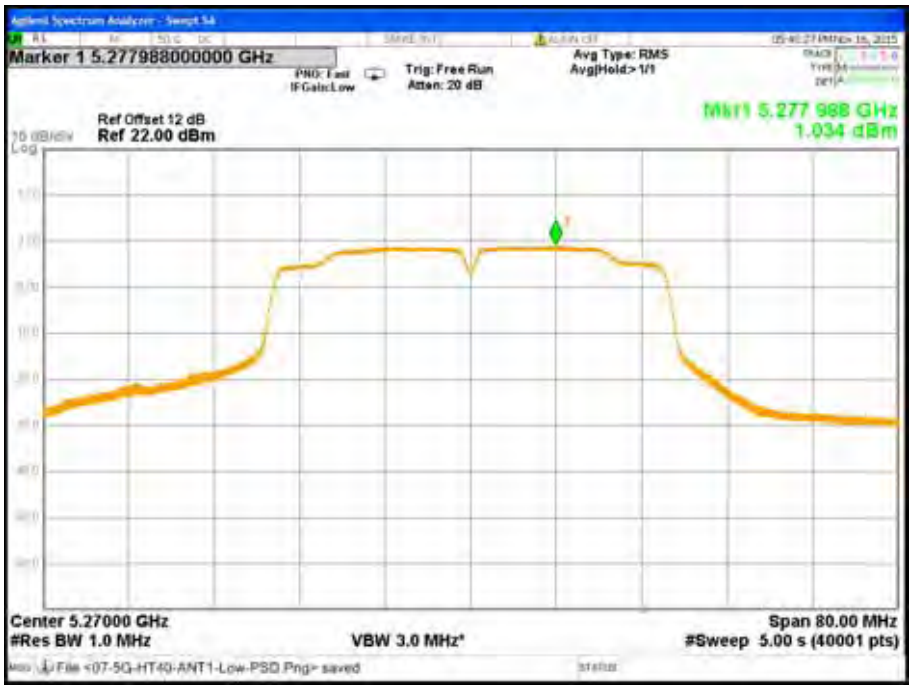
CH High (IEEE 802.11ac Mode VHT40 / Band 1 / Chain B)

CH Low (IEEE 802.11ac Mode VHT40 / Band 2A / Chain A)



CH High (IEEE 802.11ac Mode VHT40 / Band 2A / Chain A)

CH Low (IEEE 802.11ac Mode VHT40 / Band 2A / Chain B)

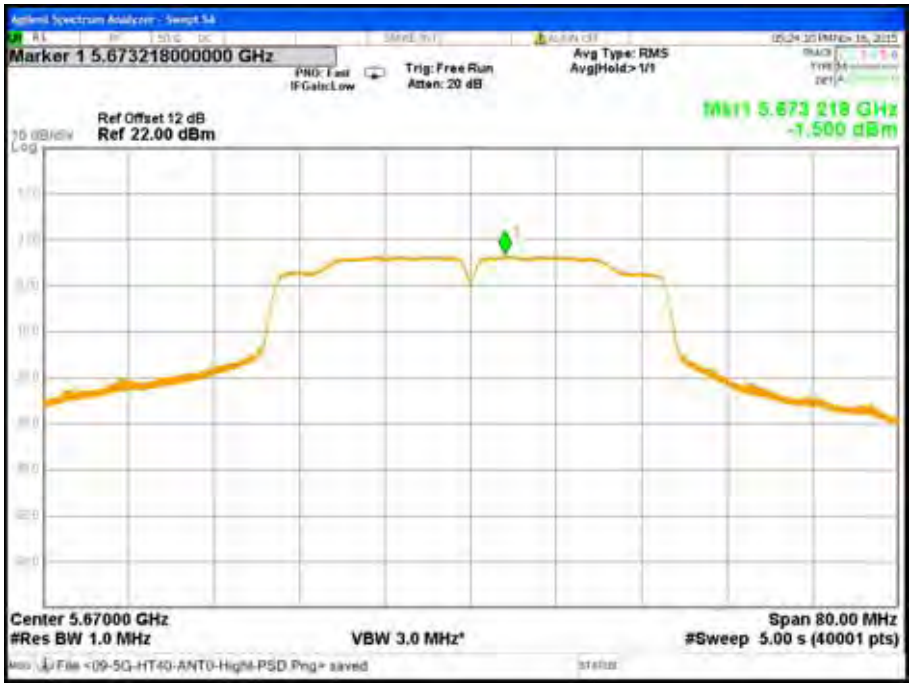


CH High (IEEE 802.11ac Mode VHT40 / Band 2A / Chain B)

CH Low (IEEE 802.11ac Mode VHT40 / Band 2C / Chain A)

CH Middle (IEEE 802.11ac Mode VHT40 / Band 2C / Chain A)

CH High (IEEE 802.11ac Mode VHT40 / Band 2C / Chain A)



CH Low (IEEE 802.11ac Mode VHT40 / Band 2C / Chain B)

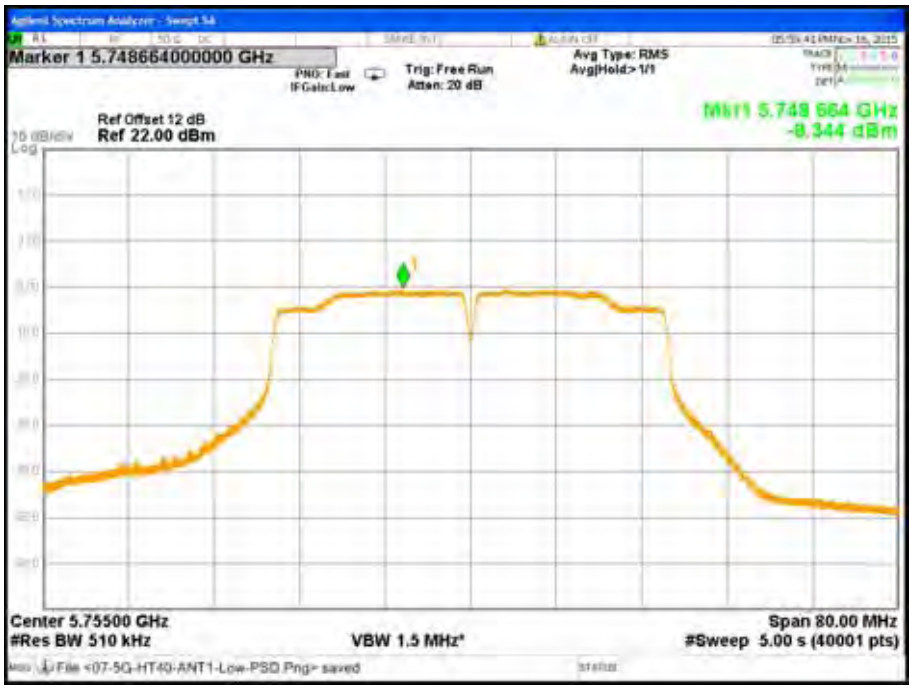
CH Middle (IEEE 802.11ac Mode VHT40 / Band 2C / Chain B)

CH High (IEEE 802.11ac Mode VHT40 / Band 2C / Chain B)

CH Low (IEEE 802.11ac Mode VHT40 / Band 3 / Chain A)

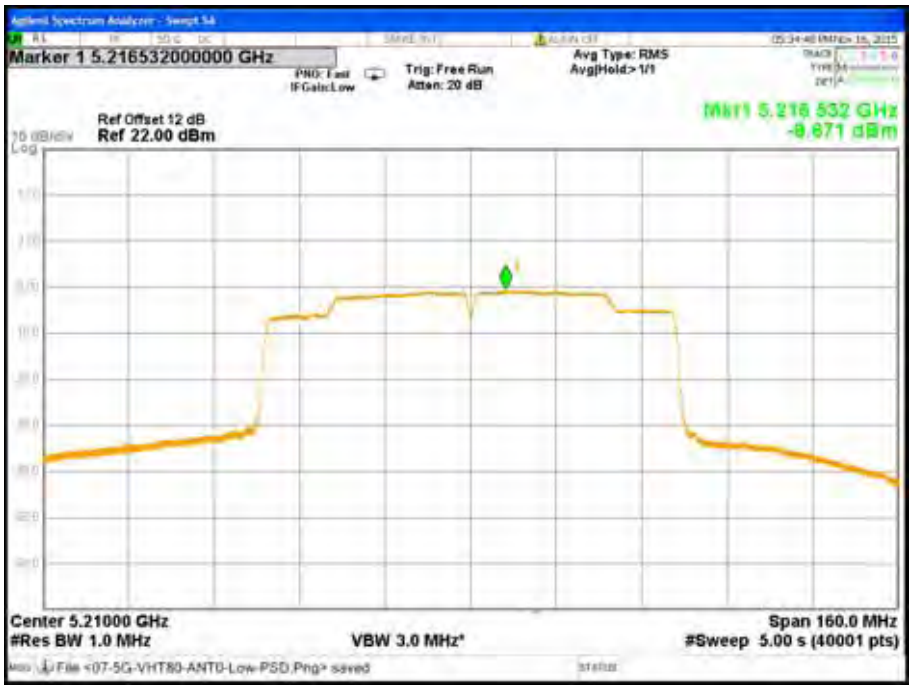
CH High (IEEE 802.11ac Mode VHT40 / Band 3 / Chain A)

CH Low (IEEE 802.11ac Mode VHT40 / Band 3 / Chain B)



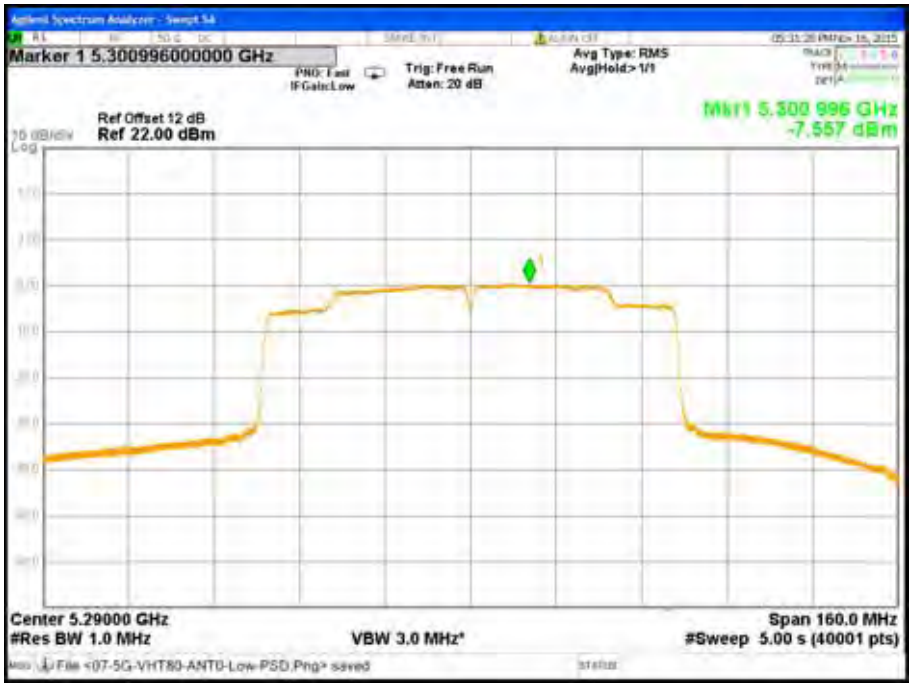
CH High (IEEE 802.11ac Mode VHT40 / Band 3 / Chain B)

CH Low (IEEE 802.11ac Mode VHT80 / Band 1 / Chain A)



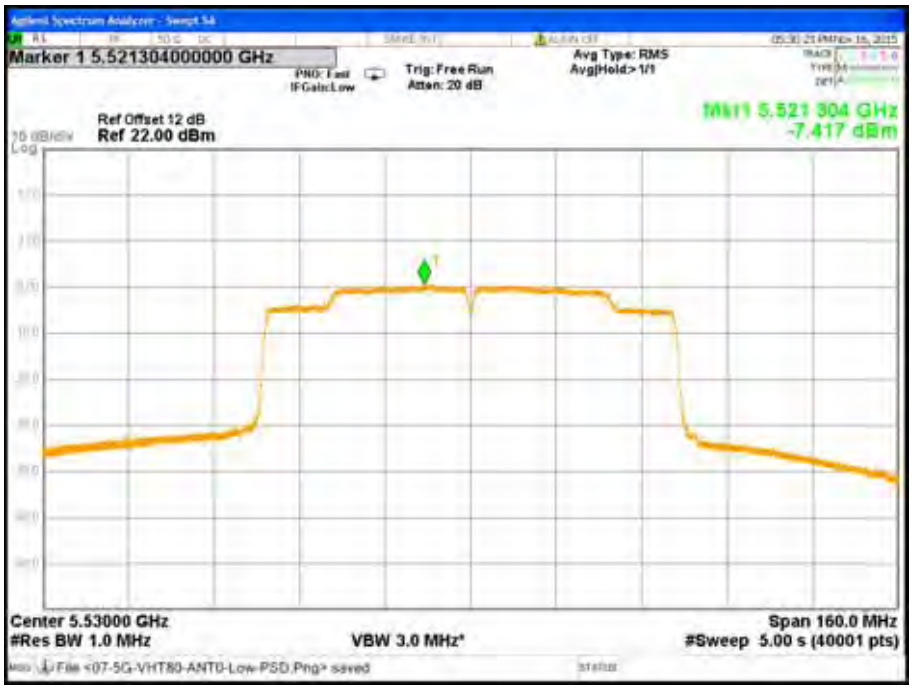
CH Low (IEEE 802.11ac Mode VHT80 / Band 1 / Chain B)

CH Low (IEEE 802.11ac Mode VHT80 / Band 2A / Chain A)



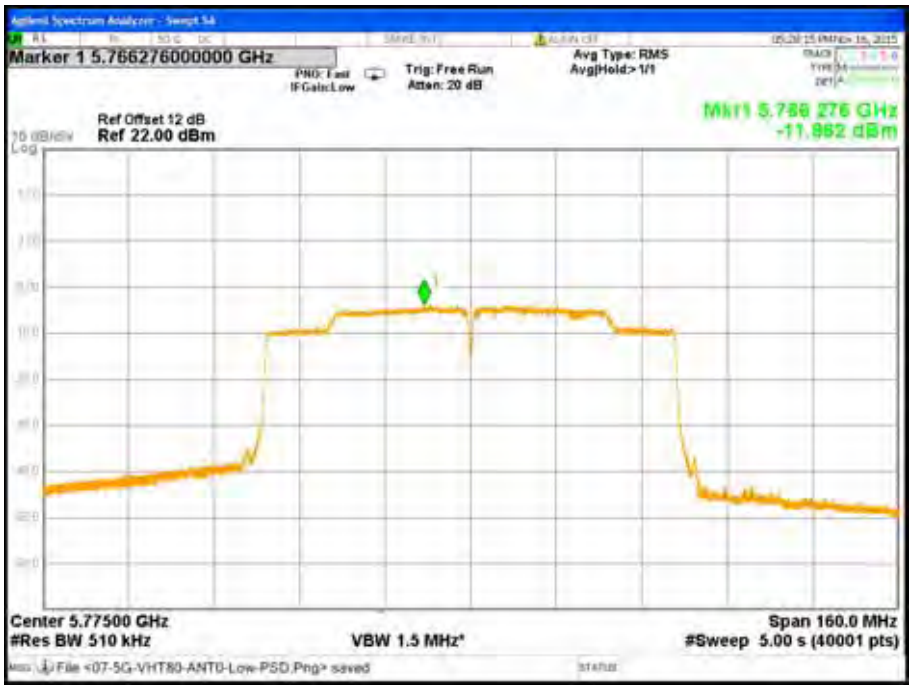
CH Low (IEEE 802.11ac Mode VHT80 / Band 2A / Chain B)

CH Low (IEEE 802.11ac Mode VHT80 / Band 2C / Chain A)



CH Low (IEEE 802.11ac Mode VHT80 / Band 2C / Chain B)

CH Low (IEEE 802.11ac Mode VHT80 / Band 3 / Chain A)



CH Low (IEEE 802.11ac Mode VHT80 / Band 3 / Chain B)

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

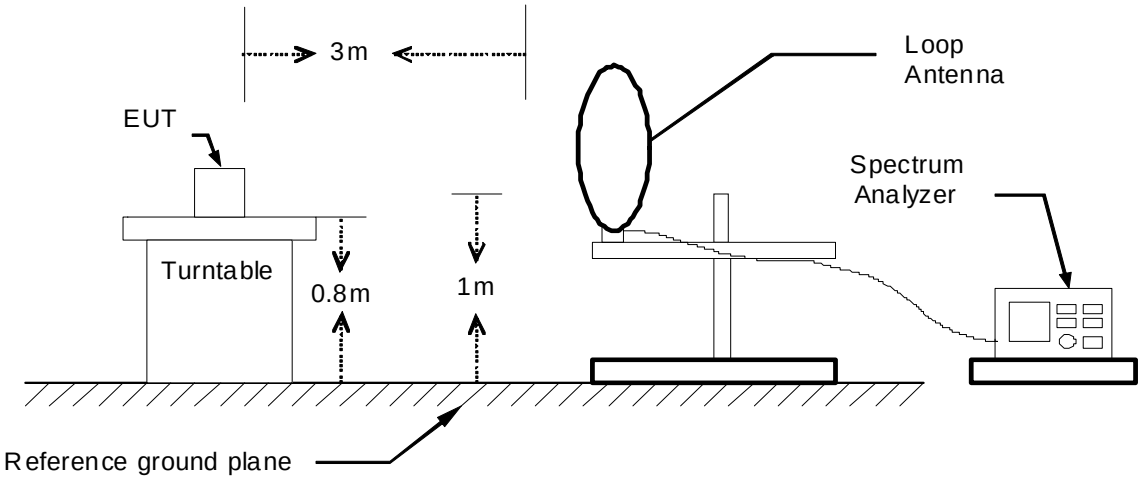
Name of Equipment	Manufacture	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	MY46180323	04/14/2016
EMI Test Receiver	Rohde & Schwarz	ESCI	100221	04/22/2016
Bi-log Antenna	TESEQ	CBL6112D	35403	08/04/2016
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-778	08/09/2016
Double-Ridged Waveguide Horn	ETS-LINDGREN	3117	00078733	12/02/2015
Horn Antenna	COM-POWER	AH-840	03077	12/17/2015
Pre-Amplifier	Agilent	8447D	2944A10052	07/14/2016
Pre-Amplifier	Agilent	8449B	3008A01916	07/14/2016
LOOP Antenna	COM-POWER	AL-130	121060	05/24/2016

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

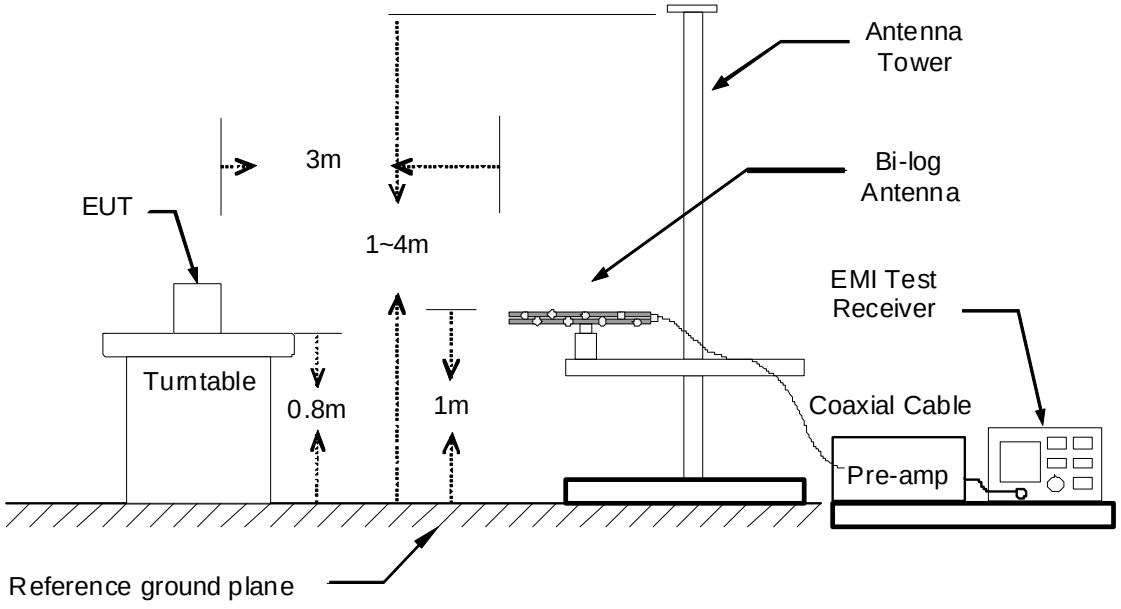
TEST SETUP

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

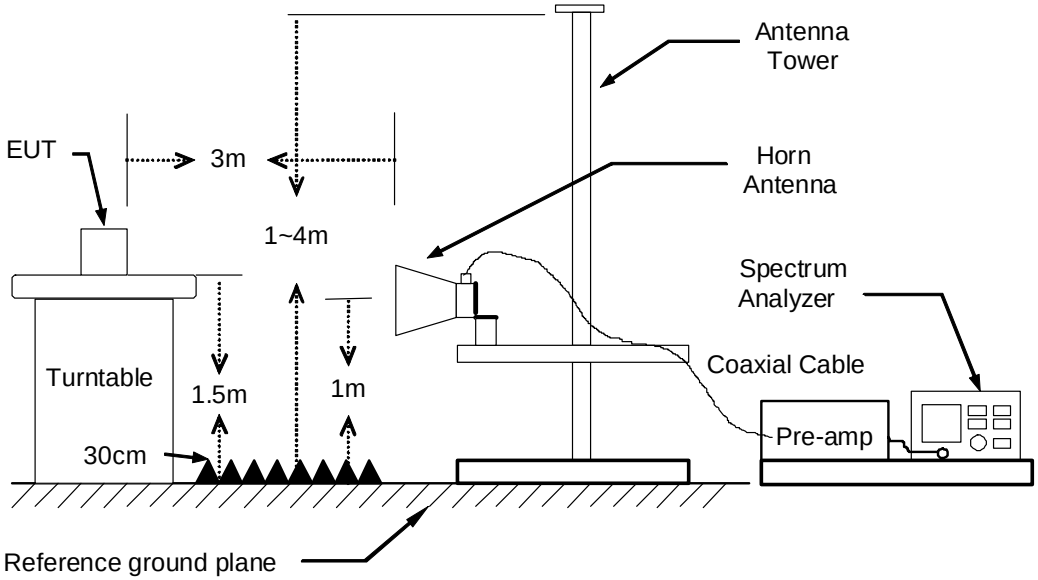
9kHz ~ 30MHz



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 and 1.5 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	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 1 / TX Mode / External Antenna	Temp. & Humidity	24.5°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
30.97	40.54	-8.70	31.84	40.00	-8.16	287	100	Peak
66.86	50.78	-20.73	30.05	40.00	-9.95	86	300	Peak
100.81	48.71	-15.55	33.16	43.50	-10.34	283	400	Peak
238.55	46.16	-13.74	32.42	46.00	-13.58	91	100	Peak
324.88	43.21	-10.88	32.33	46.00	-13.67	358	100	Peak
385.99	45.27	-9.42	35.85	46.00	-10.15	17	200	Peak
600.36	41.58	-6.78	34.80	46.00	-11.20	2	100	Peak
649.83	39.69	-6.11	33.58	46.00	-12.42	62	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
41.64	48.22	-14.92	33.30	40.00	-6.70	6	100	Peak
170.65	55.46	-16.35	39.11	43.50	-4.39	338	100	Peak
282.20	46.62	-11.97	34.65	46.00	-11.35	347	200	Peak
375.32	44.88	-9.66	35.22	46.00	-10.78	14	100	Peak
391.81	49.54	-9.29	40.25	46.00	-5.75	94	100	Peak
429.64	46.68	-8.87	37.81	46.00	-8.19	156	100	Peak
519.85	41.54	-7.80	33.74	46.00	-12.26	360	100	Peak
600.36	43.41	-6.78	36.63	46.00	-9.37	348	100	Peak

Remark:

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

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2A / TX Mode / External Antenna	Temp. & Humidity	24.5°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
44.55	47.05	-16.87	30.18	40.00	-9.82	312	200	Peak
66.86	53.35	-20.73	32.62	40.00	-7.38	92	200	Peak
101.78	53.93	-15.48	38.45	43.50	-5.05	288	200	Peak
292.87	45.39	-11.70	33.69	46.00	-12.31	267	100	Peak
324.88	44.26	-10.88	33.38	46.00	-12.62	16	100	Peak
373.38	44.04	-9.71	34.33	46.00	-11.67	15	200	Peak
426.73	45.68	-8.90	36.78	46.00	-9.22	67	100	Peak
600.36	40.76	-6.78	33.98	46.00	-12.02	1	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
62.01	56.47	-20.92	35.55	40.00	-4.45	1	100	Peak
101.78	53.80	-15.48	38.32	43.50	-5.18	278	100	Peak
158.04	52.60	-15.89	36.71	43.50	-6.79	234	100	Peak
297.72	47.42	-11.58	35.84	46.00	-10.16	357	100	Peak
429.64	47.98	-8.87	39.11	46.00	-6.89	332	100	Peak
519.85	41.10	-7.80	33.30	46.00	-12.70	330	100	Peak
600.36	43.22	-6.78	36.44	46.00	-9.56	3	100	Peak
749.74	36.89	-4.99	31.90	46.00	-14.10	199	200	Peak

Remark:

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

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2C / TX Mode / External Antenna	Temp. & Humidity	24.5°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
70.74	55.69	-20.54	35.15	40.00	-4.85	257	100	Peak
101.78	55.82	-15.48	40.34	43.50	-3.16	236	200	Peak
324.88	45.05	-10.88	34.17	46.00	-11.83	322	100	Peak
367.56	44.89	-9.84	35.05	46.00	-10.95	60	200	Peak
394.72	47.72	-9.23	38.49	46.00	-7.51	272	100	Peak
438.37	45.96	-8.80	37.16	46.00	-8.84	65	100	Peak
600.36	41.47	-6.78	34.69	46.00	-11.31	8	100	Peak
749.74	37.54	-4.99	32.55	46.00	-13.45	137	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
47.46	50.70	-18.13	32.57	40.00	-7.43	328	100	Peak
92.08	56.57	-17.34	39.23	43.50	-4.27	47	100	Peak
156.10	50.80	-15.78	35.02	43.50	-8.48	146	100	Peak
239.52	55.77	-13.65	42.12	46.00	-3.88	98	100	Peak
385.99	49.04	-9.42	39.62	46.00	-6.38	257	200	Peak
409.27	47.82	-9.04	38.78	46.00	-7.22	143	200	Peak
431.58	45.58	-8.86	36.72	46.00	-9.28	141	200	Peak
600.36	43.60	-6.78	36.82	46.00	-9.18	0	100	Peak

Remark:

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

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 3 / TX Mode / External Antenna	Temp. & Humidity	24.5°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
40.67	44.57	-14.27	30.30	40.00	-9.70	285	100	Peak
67.83	51.48	-20.69	30.79	40.00	-9.21	274	100	Peak
271.53	47.83	-11.91	35.92	46.00	-10.08	67	100	Peak
386.96	50.82	-9.40	41.42	46.00	-4.58	14	200	Peak
600.36	42.21	-6.78	35.43	46.00	-10.57	2	100	Peak
676.02	40.09	-5.92	34.17	46.00	-11.83	146	100	Peak
692.51	39.77	-5.80	33.97	46.00	-12.03	276	200	Peak
789.51	38.73	-4.37	34.36	46.00	-11.64	325	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
41.64	49.75	-14.92	34.83	40.00	-5.17	359	100	Peak
93.05	53.89	-17.13	36.76	43.50	-6.74	360	100	Peak
280.26	51.01	-12.01	39.00	46.00	-7.00	298	200	Peak
288.02	52.44	-11.82	40.62	46.00	-5.38	275	200	Peak
379.20	46.85	-9.58	37.27	46.00	-8.73	13	100	Peak
398.60	43.99	-9.14	34.85	46.00	-11.15	12	200	Peak
600.36	45.21	-6.78	38.43	46.00	-7.57	360	100	Peak
608.12	43.00	-6.67	36.33	46.00	-9.67	172	200	Peak

Remark:

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

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 1 / TX Mode / Internal Antenna	Temp. & Humidity	24.5°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
73.65	54.67	-20.29	34.38	40.00	-5.62	259	200	Peak
101.78	53.59	-15.48	38.11	43.50	-5.39	287	200	Peak
145.43	45.57	-15.14	30.43	43.50	-13.07	116	200	Peak
396.66	46.46	-9.18	37.28	46.00	-8.72	276	200	Peak
600.36	41.76	-6.78	34.98	46.00	-11.02	7	100	Peak
697.36	41.88	-5.77	36.11	46.00	-9.89	144	200	Peak
749.74	39.03	-4.99	34.04	46.00	-11.96	147	100	Peak
804.06	38.32	-4.14	34.18	46.00	-11.82	146	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
68.80	57.19	-20.65	36.54	40.00	-3.46	353	100	Peak
92.08	53.35	-17.34	36.01	43.50	-7.49	0	100	Peak
167.74	50.58	-16.25	34.33	43.50	-9.17	311	100	Peak
267.65	44.01	-11.86	32.15	46.00	-13.85	94	200	Peak
372.41	47.32	-9.73	37.59	46.00	-8.41	215	100	Peak
388.90	43.83	-9.36	34.47	46.00	-11.53	165	100	Peak
600.36	42.41	-6.78	35.63	46.00	-10.37	316	100	Peak
900.09	36.61	-2.89	33.72	46.00	-12.28	158	200	Peak

Remark:

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

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2A / TX Mode / Internal Antenna	Temp. & Humidity	24.5°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
38.73	46.88	-13.09	33.79	40.00	-6.21	276	200	Peak
67.83	55.00	-20.69	34.31	40.00	-5.69	87	200	Peak
100.81	54.28	-15.55	38.73	43.50	-4.77	289	200	Peak
233.70	46.35	-14.18	32.17	46.00	-13.83	65	200	Peak
280.26	45.40	-12.01	33.39	46.00	-12.61	268	100	Peak
378.23	43.81	-9.60	34.21	46.00	-11.79	339	100	Peak
600.36	41.54	-6.78	34.76	46.00	-11.24	12	100	Peak
749.74	37.56	-4.99	32.57	46.00	-13.43	150	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
71.71	55.10	-20.45	34.65	40.00	-5.35	134	100	Peak
144.46	48.12	-15.08	33.04	43.50	-10.46	360	200	Peak
221.09	51.07	-15.32	35.75	46.00	-10.25	356	100	Peak
289.96	46.97	-11.77	35.20	46.00	-10.80	346	200	Peak
360.77	47.23	-9.99	37.24	46.00	-8.76	36	100	Peak
397.63	52.36	-9.16	43.20	46.00	-2.80	100	100	Peak
434.49	48.46	-8.83	39.63	46.00	-6.37	345	100	Peak
607.15	46.12	-6.68	39.44	46.00	-6.56	162	100	Peak

Remark:

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

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2C / TX Mode / Internal Antenna	Temp. & Humidity	24.5°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
67.83	55.24	-20.69	34.55	40.00	-5.45	108	200	Peak
99.84	55.58	-15.65	39.93	43.50	-3.57	260	200	Peak
164.83	48.04	-16.16	31.88	43.50	-11.62	266	200	Peak
243.40	46.86	-13.30	33.56	46.00	-12.44	61	100	Peak
333.61	44.90	-10.65	34.25	46.00	-11.75	350	200	Peak
368.53	43.77	-9.81	33.96	46.00	-12.04	249	200	Peak
394.72	49.92	-9.23	40.69	46.00	-5.31	17	200	Peak
600.36	41.77	-6.78	34.99	46.00	-11.01	21	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
72.68	55.50	-20.37	35.13	40.00	-4.87	359	100	Peak
168.71	52.76	-16.28	36.48	43.50	-7.02	318	200	Peak
340.40	47.11	-10.48	36.63	46.00	-9.37	325	100	Peak
384.05	44.58	-9.47	35.11	46.00	-10.89	212	200	Peak
393.75	45.33	-9.25	36.08	46.00	-9.92	61	100	Peak
606.18	47.14	-6.70	40.44	46.00	-5.56	347	100	Peak
615.88	45.73	-6.57	39.16	46.00	-6.84	67	100	Peak
697.36	38.81	-5.77	33.04	46.00	-12.96	214	100	Peak

Remark:

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

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 3 / TX Mode / Internal Antenna	Temp. & Humidity	24.5°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
41.64	47.41	-14.92	32.49	40.00	-7.51	299	200	Peak
68.80	54.37	-20.65	33.72	40.00	-6.28	252	200	Peak
102.75	53.56	-15.42	38.14	43.50	-5.36	264	200	Peak
232.73	53.20	-14.27	38.93	46.00	-7.07	92	100	Peak
394.72	46.90	-9.23	37.67	46.00	-8.33	126	100	Peak
422.85	43.58	-8.93	34.65	46.00	-11.35	17	100	Peak
600.36	43.26	-6.78	36.48	46.00	-9.52	5	100	Peak
749.74	37.71	-4.99	32.72	46.00	-13.28	142	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
51.34	52.72	-19.37	33.35	40.00	-6.65	51	100	Peak
91.11	56.23	-17.56	38.67	43.50	-4.83	0	100	Peak
165.80	55.83	-16.19	39.64	43.50	-3.86	334	100	Peak
274.44	45.52	-11.95	33.57	46.00	-12.43	250	100	Peak
343.31	47.61	-10.40	37.21	46.00	-8.79	319	200	Peak
403.45	47.13	-9.08	38.05	46.00	-7.95	54	100	Peak
519.85	42.96	-7.80	35.16	46.00	-10.84	312	100	Peak
809.88	41.93	-4.06	37.87	46.00	-8.13	221	100	Peak

Remark:

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

Above 1 GHz

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 1 / IEEE 802.11a TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3855.00	42.46	5.90	48.36	74.00	-25.64	114	100	Peak
4690.00	42.37	8.09	50.46	74.00	-23.54	74	100	Peak
5350.00	39.19	9.46	48.65	74.00	-25.35	329	100	Peak
7188.00	37.27	12.30	49.57	74.00	-24.43	212	200	Peak
7776.00	36.94	12.76	49.70	74.00	-24.30	230	200	Peak
8772.00	37.71	13.23	50.94	74.00	-23.06	201	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3940.00	41.16	6.20	47.36	74.00	-26.64	59	100	Peak
4710.00	41.11	8.14	49.25	74.00	-24.75	301	100	Peak
5350.00	38.05	9.46	47.51	74.00	-26.49	328	200	Peak
7188.00	37.58	12.30	49.88	74.00	-24.12	283	100	Peak
8040.00	37.14	13.07	50.21	74.00	-23.79	342	100	Peak
8748.00	36.98	13.22	50.20	74.00	-23.80	360	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 1/ IEEE 802.11a TX / CH Middle / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4850.00	40.86	8.47	49.33	74.00	-24.67	270	200	Peak
5150.00	38.58	9.10	47.68	74.00	-26.32	233	200	Peak
5350.00	37.48	9.46	46.94	74.00	-27.06	74	100	Peak
6360.00	37.07	11.50	48.57	74.00	-25.43	121	200	Peak
6960.00	37.16	12.21	49.37	74.00	-24.63	2	200	Peak
7980.00	36.77	13.03	49.80	74.00	-24.20	208	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4640.00	42.15	7.98	50.13	74.00	-23.87	121	200	Peak
5150.00	37.79	9.10	46.89	54.00	-7.11	312	200	Average
5150.00	51.36	9.10	60.46	74.00	-13.54	312	200	Peak
5350.00	38.99	9.46	48.45	74.00	-25.55	219	200	Peak
6240.00	36.39	11.29	47.68	74.00	-26.32	82	200	Peak
6924.00	37.25	12.17	49.42	74.00	-24.58	1	100	Peak
7740.00	36.72	12.71	49.43	74.00	-24.57	174	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 1/ IEEE 802.11a TX / CH High / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4705.00	42.58	8.13	50.71	74.00	-23.29	9	200	Peak
5150.00	37.87	9.10	46.97	74.00	-27.03	156	100	Peak
5350.00	39.47	9.46	48.93	74.00	-25.07	212	100	Peak
7944.00	36.40	12.98	49.38	74.00	-24.62	221	200	Peak
9432.00	36.75	14.54	51.29	74.00	-22.71	280	200	Peak
10332.00	35.63	16.33	51.96	74.00	-22.04	332	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4720.00	40.67	8.16	48.83	74.00	-25.17	126	200	Peak
5150.00	40.47	9.10	49.57	74.00	-24.43	106	200	Peak
5350.00	39.90	9.46	49.36	74.00	-24.64	89	200	Peak
7248.00	37.02	12.31	49.33	74.00	-24.67	0	100	Peak
8388.00	36.37	13.17	49.54	74.00	-24.46	360	200	Peak
10008.00	36.24	15.45	51.69	74.00	-22.31	186	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 1/ IEEE 802.11ac VHT20 TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3875.00	41.47	5.97	47.44	74.00	-26.56	205	100	Peak
4740.00	41.44	8.21	49.65	74.00	-24.35	0	100	Peak
5350.00	37.99	9.46	47.45	74.00	-26.55	357	200	Peak
7344.00	37.29	12.34	49.63	74.00	-24.37	63	200	Peak
7956.00	36.28	13.00	49.28	74.00	-24.72	212	200	Peak
9300.00	36.56	14.14	50.70	74.00	-23.30	360	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3910.00	41.74	6.10	47.84	74.00	-26.16	277	200	Peak
4715.00	41.68	8.15	49.83	74.00	-24.17	9	100	Peak
5350.00	38.97	9.46	48.43	74.00	-25.57	354	100	Peak
7224.00	37.34	12.31	49.65	74.00	-24.35	66	200	Peak
8016.00	36.78	13.06	49.84	74.00	-24.16	113	100	Peak
9396.00	37.09	14.43	51.52	74.00	-22.48	131	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 1/ IEEE 802.11ac VHT20 TX / CH Middle / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	40.36	9.10	49.46	74.00	-24.54	182	200	Peak
5350.00	38.67	9.46	48.13	74.00	-25.87	64	200	Peak
5420.00	41.84	9.59	51.43	74.00	-22.57	23	100	Peak
6588.00	37.24	11.83	49.07	74.00	-24.93	101	100	Peak
6984.00	37.20	12.23	49.43	74.00	-24.57	269	100	Peak
8124.00	36.38	13.09	49.47	74.00	-24.53	229	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4670.00	40.93	8.05	48.98	74.00	-25.02	186	200	Peak
5150.00	36.88	9.10	45.98	54.00	-8.02	194	100	Average
5150.00	48.60	9.10	57.70	74.00	-16.30	194	100	Peak
5350.00	38.97	9.46	48.43	74.00	-25.57	234	100	Peak
6696.00	36.76	11.94	48.70	74.00	-25.30	360	200	Peak
7176.00	36.89	12.30	49.19	74.00	-24.81	289	200	Peak
8196.00	35.88	13.11	48.99	74.00	-25.01	131	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 1/ IEEE 802.11ac VHT20 TX / CH High / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	36.96	9.10	46.06	74.00	-27.94	115	200	Peak
5350.00	38.48	9.46	47.94	74.00	-26.06	34	200	Peak
5400.00	40.47	9.56	50.03	74.00	-23.97	101	200	Peak
6804.00	36.74	12.05	48.79	74.00	-25.21	323	100	Peak
7512.00	37.21	12.40	49.61	74.00	-24.39	169	200	Peak
7968.00	36.13	13.02	49.15	74.00	-24.85	145	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4485.00	41.40	7.61	49.01	74.00	-24.99	284	200	Peak
5150.00	40.43	9.10	49.53	74.00	-24.47	90	200	Peak
5350.00	40.29	9.46	49.75	74.00	-24.25	155	200	Peak
7344.00	36.73	12.34	49.07	74.00	-24.93	158	100	Peak
8040.00	36.33	13.07	49.40	74.00	-24.60	4	100	Peak
8700.00	36.41	13.22	49.63	74.00	-24.37	356	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 1/ IEEE 802.11ac VHT40 TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4800.00	41.20	8.35	49.55	74.00	-24.45	102	100	Peak
5350.00	38.05	9.46	47.51	74.00	-26.49	82	200	Peak
5595.00	40.14	9.95	50.09	74.00	-23.91	150	200	Peak
7176.00	37.32	12.30	49.62	74.00	-24.38	87	200	Peak
7956.00	36.09	13.00	49.09	74.00	-24.91	56	100	Peak
9840.00	36.18	15.21	51.39	74.00	-22.61	148	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4710.00	40.99	8.14	49.13	74.00	-24.87	239	200	Peak
5350.00	38.46	9.46	47.92	74.00	-26.08	145	100	Peak
5505.00	40.00	9.75	49.75	74.00	-24.25	257	200	Peak
6816.00	36.90	12.06	48.96	74.00	-25.04	301	100	Peak
8028.00	36.38	13.07	49.45	74.00	-24.55	244	100	Peak
9384.00	37.58	14.39	51.97	74.00	-22.03	121	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 1/ IEEE 802.11ac VHT40 TX / CH High / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	37.52	9.10	46.62	74.00	-27.38	106	200	Peak
5345.00	38.65	9.45	48.10	74.00	-25.90	347	200	Peak
5555.00	40.09	9.86	49.95	74.00	-24.05	360	100	Peak
6552.00	37.12	11.79	48.91	74.00	-25.09	350	100	Peak
7140.00	37.14	12.29	49.43	74.00	-24.57	14	100	Peak
7752.00	36.63	12.72	49.35	74.00	-24.65	225	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4355.00	40.87	7.29	48.16	74.00	-25.84	271	200	Peak
5150.00	36.62	9.10	45.72	54.00	-8.28	92	200	Average
5150.00	48.87	9.10	57.97	74.00	-16.03	92	200	Peak
5350.00	39.33	9.46	48.79	74.00	-25.21	136	100	Peak
6996.00	37.77	12.25	50.02	74.00	-23.98	49	100	Peak
7464.00	38.11	12.37	50.48	74.00	-23.52	244	100	Peak
7920.00	36.31	12.95	49.26	74.00	-24.74	199	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 1/ IEEE 802.11ac VHT80 TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4800.00	40.75	8.35	49.10	74.00	-24.90	287	100	Peak
5350.00	38.45	9.46	47.91	74.00	-26.09	69	200	Peak
5435.00	39.75	9.62	49.37	74.00	-24.63	0	200	Peak
7116.00	36.75	12.28	49.03	74.00	-24.97	109	100	Peak
8004.00	38.24	13.06	51.30	74.00	-22.70	334	100	Peak
9000.00	35.99	13.25	49.24	74.00	-24.76	15	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4740.00	41.09	8.21	49.30	74.00	-24.70	122	100	Peak
5350.00	38.86	9.46	48.32	74.00	-25.68	354	200	Peak
5560.00	40.23	9.88	50.11	74.00	-23.89	85	100	Peak
6888.00	36.73	12.14	48.87	74.00	-25.13	223	100	Peak
7356.00	36.81	12.34	49.15	74.00	-24.85	308	200	Peak
8892.00	36.08	13.24	49.32	74.00	-24.68	85	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2A / IEEE 802.11a TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4630.00	42.07	7.95	50.02	74.00	-23.98	192	200	Peak
5150.00	36.53	9.10	45.63	74.00	-28.37	140	200	Peak
5350.00	38.68	9.46	48.14	74.00	-25.86	15	200	Peak
6396.00	37.19	11.56	48.75	74.00	-25.25	45	200	Peak
6936.00	38.12	12.18	50.30	74.00	-23.70	95	100	Peak
8244.00	36.52	13.13	49.65	74.00	-24.35	193	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4565.00	41.94	7.80	49.74	74.00	-24.26	116	100	Peak
5150.00	38.84	9.10	47.94	74.00	-26.06	100	200	Peak
5350.00	35.45	9.46	44.91	54.00	-9.09	91	200	Average
5350.00	43.77	9.46	53.23	74.00	-20.77	91	200	Peak
6528.00	37.58	11.77	49.35	74.00	-24.65	0	200	Peak
6900.00	37.31	12.15	49.46	74.00	-24.54	222	200	Peak
7764.00	37.21	12.74	49.95	74.00	-24.05	243	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2A / IEEE 802.11a TX / CH Middle / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	37.45	9.10	46.55	74.00	-27.45	188	100	Peak
5350.00	33.57	9.46	43.03	54.00	-10.97	223	200	Average
5350.00	42.72	9.46	52.18	74.00	-21.82	223	200	Peak
5970.00	39.31	10.80	50.11	74.00	-23.89	350	200	Peak
6360.00	36.56	11.50	48.06	74.00	-25.94	348	100	Peak
7476.00	36.54	12.37	48.91	74.00	-25.09	227	200	Peak
8760.00	36.68	13.23	49.91	74.00	-24.09	336	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	38.12	9.10	47.22	74.00	-26.78	225	100	Peak
5350.00	35.63	9.46	45.09	54.00	-8.91	96	200	Average
5350.00	51.10	9.46	60.56	74.00	-13.44	96	200	Peak
5510.00	40.56	9.76	50.32	74.00	-23.68	200	100	Peak
6144.00	36.42	11.12	47.54	74.00	-26.46	318	200	Peak
7176.00	37.87	12.30	50.17	74.00	-23.83	308	100	Peak
8628.00	36.62	13.21	49.83	74.00	-24.17	360	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2A / IEEE 802.11a TX / CH High / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4790.00	41.15	8.33	49.48	74.00	-24.52	84	200	Peak
5150.00	38.11	9.10	47.21	74.00	-26.79	168	100	Peak
5910.00	38.43	10.67	49.10	74.00	-24.90	321	200	Peak
6660.00	36.65	11.90	48.55	74.00	-25.45	68	200	Peak
7236.00	37.39	12.31	49.70	74.00	-24.30	227	100	Peak
8496.00	36.43	13.20	49.63	74.00	-24.37	215	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4580.00	41.29	7.84	49.13	74.00	-24.87	212	100	Peak
5150.00	37.35	9.10	46.45	74.00	-27.55	262	200	Peak
5555.00	40.38	9.86	50.24	74.00	-23.76	360	200	Peak
6696.00	36.48	11.94	48.42	74.00	-25.58	32	100	Peak
8148.00	36.22	13.10	49.32	74.00	-24.68	144	200	Peak
9576.00	36.08	14.84	50.92	74.00	-23.08	44	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2A / IEEE 802.11ac VHT20 TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	37.37	9.10	46.47	74.00	-27.53	265	100	Peak
5350.00	37.60	9.46	47.06	74.00	-26.94	204	200	Peak
5500.00	39.95	9.74	49.69	74.00	-24.31	55	100	Peak
6528.00	36.76	11.77	48.53	74.00	-25.47	239	100	Peak
7740.00	37.17	12.71	49.88	74.00	-24.12	167	100	Peak
8904.00	36.16	13.24	49.40	74.00	-24.60	282	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4860.00	42.02	8.49	50.51	74.00	-23.49	1	100	Peak
5150.00	38.98	9.10	48.08	74.00	-25.92	162	200	Peak
5350.00	40.74	9.46	50.20	74.00	-23.80	121	200	Peak
6612.00	36.45	11.85	48.30	74.00	-25.70	336	200	Peak
7524.00	36.77	12.41	49.18	74.00	-24.82	268	200	Peak
8592.00	35.92	13.21	49.13	74.00	-24.87	214	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2A / IEEE 802.11ac VHT20 TX / CH Middle / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	37.45	9.10	46.55	74.00	-27.45	180	100	Peak
5350.00	40.46	9.46	49.92	74.00	-24.08	124	200	Peak
5535.00	39.70	9.82	49.52	74.00	-24.48	44	200	Peak
6120.00	37.12	11.08	48.20	74.00	-25.80	338	200	Peak
6888.00	36.72	12.14	48.86	74.00	-25.14	176	100	Peak
8088.00	37.08	13.08	50.16	74.00	-23.84	157	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4690.00	40.86	8.09	48.95	74.00	-25.05	168	200	Peak
5150.00	39.90	9.10	49.00	74.00	-25.00	360	200	Peak
5350.00	36.76	9.46	46.22	54.00	-7.78	99	200	Average
5350.00	48.22	9.46	57.68	74.00	-16.32	99	200	Peak
6336.00	36.27	11.45	47.72	74.00	-26.28	35	200	Peak
7428.00	36.38	12.36	48.74	74.00	-25.26	300	100	Peak
8568.00	37.11	13.21	50.32	74.00	-23.68	222	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2A / IEEE 802.11ac VHT20 TX / CH High / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4625.00	41.57	7.94	49.51	74.00	-24.49	228	200	Peak
5150.00	36.88	9.10	45.98	74.00	-28.02	257	100	Peak
5955.00	38.40	10.77	49.17	74.00	-24.83	5	200	Peak
6216.00	39.86	11.25	51.11	74.00	-22.89	3	100	Peak
6720.00	37.17	11.96	49.13	74.00	-24.87	241	100	Peak
8040.00	36.70	13.07	49.77	74.00	-24.23	58	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4815.00	40.97	8.39	49.36	74.00	-24.64	58	200	Peak
5150.00	37.55	9.10	46.65	74.00	-27.35	83	200	Peak
5540.00	39.65	9.83	49.48	74.00	-24.52	157	100	Peak
6300.00	36.39	11.39	47.78	74.00	-26.22	112	100	Peak
7464.00	36.64	12.37	49.01	74.00	-24.99	342	200	Peak
8664.00	35.60	13.22	48.82	74.00	-25.18	202	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2A / IEEE 802.11ac VHT40 TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	37.32	9.10	46.42	74.00	-27.58	282	100	Peak
5350.00	38.84	9.46	48.30	74.00	-25.70	243	200	Peak
5570.00	39.56	9.90	49.46	74.00	-24.54	295	200	Peak
6624.00	36.40	11.87	48.27	74.00	-25.73	151	200	Peak
8256.00	36.84	13.13	49.97	74.00	-24.03	283	200	Peak
9372.00	36.60	14.36	50.96	74.00	-23.04	3	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	38.99	9.10	48.09	74.00	-25.91	164	200	Peak
5350.00	36.66	9.46	46.12	54.00	-7.88	97	200	Average
5350.00	45.24	9.46	54.70	74.00	-19.30	97	200	Peak
5540.00	40.04	9.83	49.87	74.00	-24.13	149	200	Peak
6336.00	36.74	11.45	48.19	74.00	-25.81	320	200	Peak
7416.00	36.56	12.36	48.92	74.00	-25.08	306	100	Peak
8628.00	36.17	13.21	49.38	74.00	-24.62	330	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2A / IEEE 802.11ac VHT40 TX / CH High / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4720.00	41.01	8.16	49.17	74.00	-24.83	290	100	Peak
5150.00	37.78	9.10	46.88	74.00	-27.12	214	100	Peak
5485.00	40.48	9.71	50.19	74.00	-23.81	182	200	Peak
6864.00	36.98	12.11	49.09	74.00	-24.91	215	200	Peak
7752.00	36.48	12.72	49.20	74.00	-24.80	279	100	Peak
9084.00	36.14	13.50	49.64	74.00	-24.36	360	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4720.00	41.40	8.16	49.56	74.00	-24.44	0	100	Peak
5150.00	36.85	9.10	45.95	74.00	-28.05	164	200	Peak
5970.00	40.14	10.80	50.94	74.00	-23.06	200	200	Peak
6624.00	37.55	11.87	49.42	74.00	-24.58	185	100	Peak
7392.00	36.49	12.35	48.84	74.00	-25.16	6	100	Peak
7968.00	36.36	13.02	49.38	74.00	-24.62	267	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2A / IEEE 802.11ac VHT80 TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4460.00	41.62	7.55	49.17	74.00	-24.83	181	100	Peak
5150.00	37.95	9.10	47.05	74.00	-26.95	281	100	Peak
5980.00	39.87	10.82	50.69	74.00	-23.31	167	100	Peak
6036.00	37.56	10.93	48.49	74.00	-25.51	360	100	Peak
7812.00	36.34	12.80	49.14	74.00	-24.86	12	200	Peak
8844.00	35.79	13.23	49.02	74.00	-24.98	96	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4625.00	42.00	7.94	49.94	74.00	-24.06	93	200	Peak
5150.00	38.16	9.10	47.26	74.00	-26.74	180	100	Peak
5920.00	39.24	10.69	49.93	74.00	-24.07	251	200	Peak
6192.00	38.02	11.20	49.22	74.00	-24.78	287	100	Peak
7212.00	38.02	12.31	50.33	74.00	-23.67	330	200	Peak
9492.00	37.52	14.72	52.24	74.00	-21.76	193	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2C / IEEE 802.11a TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4660.00	42.12	8.02	50.14	74.00	-23.86	126	200	Peak
5470.00	34.44	9.68	44.12	54.00	-9.88	225	200	Average
5470.00	46.45	9.68	56.13	74.00	-17.87	225	200	Peak
5725.00	37.88	10.25	48.13	74.00	-25.87	89	200	Peak
5815.00	39.29	10.45	49.74	74.00	-24.26	288	100	Peak
6144.00	36.91	11.12	48.03	74.00	-25.97	196	200	Peak
7620.00	37.58	12.54	50.12	74.00	-23.88	360	100	Peak
9540.00	36.17	14.80	50.97	74.00	-23.03	283	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4670.00	41.31	8.05	49.36	74.00	-24.64	214	100	Peak
5470.00	43.62	9.68	53.30	54.00	-0.70	126	100	Average
5470.00	55.79	9.68	65.47	74.00	-8.53	126	100	Peak
5725.00	36.35	10.25	46.60	74.00	-27.40	89	200	Peak
6456.00	36.56	11.66	48.22	74.00	-25.78	101	100	Peak
8172.00	35.92	13.11	49.03	74.00	-24.97	360	100	Peak
9528.00	35.87	14.78	50.65	74.00	-23.35	140	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2C / IEEE 802.11a TX / CH Middle / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5470.00	38.59	9.68	48.27	74.00	-25.73	324	200	Peak
5725.00	37.62	10.25	47.87	74.00	-26.13	1	100	Peak
5970.00	39.52	10.80	50.32	74.00	-23.68	3	200	Peak
6816.00	39.15	12.06	51.21	74.00	-22.79	185	100	Peak
7764.00	36.96	12.74	49.70	74.00	-24.30	168	200	Peak
9564.00	36.59	14.83	51.42	74.00	-22.58	58	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5470.00	39.77	9.68	49.45	74.00	-24.55	98	200	Peak
5725.00	37.67	10.25	47.92	74.00	-26.08	226	100	Peak
5825.00	39.42	10.47	49.89	74.00	-24.11	321	100	Peak
6648.00	36.70	11.89	48.59	74.00	-25.41	289	200	Peak
8028.00	36.90	13.07	49.97	74.00	-24.03	318	100	Peak
9588.00	36.19	14.86	51.05	74.00	-22.95	205	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2C / IEEE 802.11a TX / CH High / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4805.00	40.89	8.36	49.25	74.00	-24.75	264	200	Peak
5470.00	38.30	9.68	47.98	74.00	-26.02	235	200	Peak
5725.00	33.65	10.25	43.90	54.00	-10.10	138	200	Average
5725.00	44.65	10.25	54.90	74.00	-19.10	138	200	Peak
6096.00	37.00	11.04	48.04	74.00	-25.96	276	100	Peak
7764.00	36.85	12.74	49.59	74.00	-24.41	132	200	Peak
9276.00	36.15	14.07	50.22	74.00	-23.78	96	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4580.00	41.45	7.84	49.29	74.00	-24.71	124	100	Peak
5470.00	37.82	9.68	47.50	74.00	-26.50	345	100	Peak
5725.00	42.65	10.25	52.90	54.00	-1.10	50	200	Average
5725.00	53.60	10.25	63.85	74.00	-10.15	50	200	Peak
6252.00	39.47	11.31	50.78	74.00	-23.22	175	100	Peak
7176.00	37.07	12.30	49.37	74.00	-24.63	341	100	Peak
9348.00	36.03	14.29	50.32	74.00	-23.68	37	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2C / IEEE 802.11ac VHT20 TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4700.00	40.85	8.12	48.97	74.00	-25.03	148	100	Peak
5470.00	48.16	9.68	57.84	74.00	-16.16	240	100	Peak
5725.00	36.38	10.25	46.63	74.00	-27.37	208	100	Peak
6504.00	36.35	11.74	48.09	74.00	-25.91	121	100	Peak
7932.00	36.60	12.97	49.57	74.00	-24.43	89	200	Peak
8784.00	37.10	13.23	50.33	74.00	-23.67	331	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5470.00	43.53	9.68	53.21	54.00	-0.79	93	200	Average
5470.00	56.16	9.68	65.84	74.00	-8.16	93	200	Peak
5725.00	36.44	10.25	46.69	74.00	-27.31	259	200	Peak
5985.00	39.48	10.84	50.32	74.00	-23.68	216	200	Peak
6636.00	37.21	11.88	49.09	74.00	-24.91	198	200	Peak
7740.00	36.71	12.71	49.42	74.00	-24.58	92	200	Peak
9264.00	35.52	14.04	49.56	74.00	-24.44	215	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2C / IEEE 802.11ac VHT20 TX / CH Middle / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5470.00	39.96	9.68	49.64	74.00	-24.36	173	200	Peak
5725.00	37.96	10.25	48.21	74.00	-25.79	88	100	Peak
5975.00	38.96	10.81	49.77	74.00	-24.23	107	200	Peak
6264.00	36.57	11.33	47.90	74.00	-26.10	354	100	Peak
8028.00	37.47	13.07	50.54	74.00	-23.46	360	200	Peak
9552.00	36.74	14.81	51.55	74.00	-22.45	54	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4630.00	41.69	7.95	49.64	74.00	-24.36	61	200	Peak
5470.00	39.73	9.68	49.41	74.00	-24.59	214	200	Peak
5725.00	37.80	10.25	48.05	74.00	-25.95	359	100	Peak
6708.00	37.60	11.95	49.55	74.00	-24.45	262	100	Peak
8172.00	36.52	13.11	49.63	74.00	-24.37	340	200	Peak
9780.00	35.85	15.13	50.98	74.00	-23.02	203	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2C / IEEE 802.11ac VHT20 TX / CH High / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4750.00	41.21	8.23	49.44	74.00	-24.56	351	200	Peak
5470.00	40.52	9.68	50.20	74.00	-23.80	359	100	Peak
5725.00	34.61	10.25	44.86	54.00	-9.14	215	200	Average
5725.00	49.69	10.25	59.94	74.00	-14.06	215	200	Peak
6168.00	36.56	11.16	47.72	74.00	-26.28	11	200	Peak
7188.00	37.17	12.30	49.47	74.00	-24.53	112	100	Peak
9456.00	36.42	14.61	51.03	74.00	-22.97	301	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5470.00	39.78	9.68	49.46	74.00	-24.54	227	100	Peak
5725.00	43.27	10.25	53.52	54.00	-0.48	358	200	Average
5725.00	58.40	10.25	68.65	74.00	-5.35	358	200	Peak
5960.00	39.59	10.78	50.37	74.00	-23.63	271	200	Peak
6540.00	36.36	11.78	48.14	74.00	-25.86	0	200	Peak
7956.00	36.96	13.00	49.96	74.00	-24.04	40	100	Peak
9456.00	36.36	14.61	50.97	74.00	-23.03	3	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2C / IEEE 802.11ac VHT40 TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4945.00	40.47	8.69	49.16	74.00	-24.84	84	200	Peak
5470.00	36.14	9.68	45.82	54.00	-8.18	172	200	Average
5470.00	48.54	9.68	58.22	74.00	-15.78	172	200	Peak
5725.00	36.38	10.25	46.63	74.00	-27.37	302	100	Peak
7032.00	37.11	12.26	49.37	74.00	-24.63	0	200	Peak
7884.00	36.73	12.90	49.63	74.00	-24.37	236	100	Peak
9456.00	36.31	14.61	50.92	74.00	-23.08	255	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5470.00	43.16	9.68	52.84	54.00	-1.16	85	200	Average
5470.00	56.14	9.68	65.82	74.00	-8.18	85	200	Peak
5725.00	37.45	10.25	47.70	74.00	-26.30	358	200	Peak
5950.00	39.31	10.76	50.07	74.00	-23.93	304	200	Peak
6696.00	36.61	11.94	48.55	74.00	-25.45	47	200	Peak
7764.00	36.64	12.74	49.38	74.00	-24.62	176	100	Peak
9420.00	35.99	14.50	50.49	74.00	-23.51	356	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2C / IEEE 802.11ac VHT40 TX / CH Middle / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4705.00	41.02	8.13	49.15	74.00	-24.85	266	200	Peak
5470.00	41.02	9.68	50.70	74.00	-23.30	138	200	Peak
5725.00	37.62	10.25	47.87	74.00	-26.13	360	100	Peak
7368.00	36.87	12.35	49.22	74.00	-24.78	0	200	Peak
8400.00	36.50	13.17	49.67	74.00	-24.33	219	100	Peak
9372.00	36.35	14.36	50.71	74.00	-23.29	167	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4750.00	41.23	8.23	49.46	74.00	-24.54	159	100	Peak
5470.00	34.51	9.68	44.19	54.00	-9.81	93	200	Average
5470.00	47.60	9.68	57.28	74.00	-16.72	93	200	Peak
5725.00	37.19	10.25	47.44	74.00	-26.56	144	200	Peak
7620.00	37.01	12.54	49.55	74.00	-24.45	99	200	Peak
8568.00	36.48	13.21	49.69	74.00	-24.31	0	200	Peak
9456.00	36.09	14.61	50.70	74.00	-23.30	91	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2C / IEEE 802.11ac VHT40 TX / CH High / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5470.00	38.37	9.68	48.05	74.00	-25.95	159	100	Peak
5725.00	33.66	10.25	43.91	54.00	-10.09	136	200	Average
5725.00	43.00	10.25	53.25	74.00	-20.75	136	200	Peak
5945.00	39.39	10.75	50.14	74.00	-23.86	307	200	Peak
7560.00	37.55	12.46	50.01	74.00	-23.99	171	200	Peak
8172.00	36.89	13.11	50.00	74.00	-24.00	359	100	Peak
9576.00	35.59	14.84	50.43	74.00	-23.57	39	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4830.00	40.47	8.42	48.89	74.00	-25.11	115	100	Peak
5470.00	39.87	9.68	49.55	74.00	-24.45	239	200	Peak
5725.00	43.22	10.25	53.47	54.00	-0.53	330	200	Average
5725.00	54.92	10.25	65.17	74.00	-8.83	330	200	Peak
7068.00	37.83	12.27	50.10	74.00	-23.90	0	100	Peak
8052.00	36.74	13.07	49.81	74.00	-24.19	52	100	Peak
9384.00	35.81	14.39	50.20	74.00	-23.80	217	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 2C / IEEE 802.11ac VHT80 TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4715.00	41.59	8.15	49.74	74.00	-24.26	106	100	Peak
5470.00	34.66	9.68	44.34	54.00	-9.66	128	200	Average
5470.00	50.52	9.68	60.20	74.00	-13.80	128	200	Peak
5725.00	36.77	10.25	47.02	74.00	-26.98	152	100	Peak
7080.00	37.13	12.27	49.40	74.00	-24.60	92	200	Peak
8784.00	36.91	13.23	50.14	74.00	-23.86	204	100	Peak
9336.00	36.90	14.25	51.15	74.00	-22.85	26	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4655.00	41.17	8.01	49.18	74.00	-24.82	230	200	Peak
5470.00	43.65	9.68	53.33	54.00	-0.67	215	100	Average
5470.00	58.25	9.68	67.93	74.00	-6.07	215	100	Peak
5725.00	38.32	10.25	48.57	74.00	-25.43	262	100	Peak
7380.00	37.12	12.35	49.47	74.00	-24.53	162	100	Peak
8064.00	36.75	13.08	49.83	74.00	-24.17	39	200	Peak
9504.00	36.31	14.75	51.06	74.00	-22.94	209	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 3 / IEEE 802.11a TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3370.00	43.57	4.50	48.07	74.00	-25.93	310	200	Peak
5725.00	33.22	10.25	43.47	54.00	-10.53	132	200	Average
5725.00	52.10	10.25	62.35	74.00	-11.65	132	200	Peak
5850.00	37.18	10.53	47.71	74.00	-26.29	194	100	Peak
7260.00	36.55	12.32	48.87	74.00	-25.13	167	100	Peak
8652.00	36.87	13.22	50.09	74.00	-23.91	111	200	Peak
9456.00	36.49	14.61	51.10	74.00	-22.90	360	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5425.00	40.22	9.60	49.82	74.00	-24.18	306	200	Peak
5725.00	43.18	10.25	53.43	54.00	-0.57	133	100	Average
5725.00	55.70	10.25	65.95	74.00	-8.05	133	100	Peak
5850.00	39.89	10.53	50.42	74.00	-23.58	190	200	Peak
7416.00	37.30	12.36	49.66	74.00	-24.34	0	100	Peak
8544.00	36.41	13.20	49.61	74.00	-24.39	72	200	Peak
9480.00	36.35	14.68	51.03	74.00	-22.97	39	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 3 / IEEE 802.11a TX / CH Middle / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5365.00	40.61	9.49	50.10	74.00	-23.90	26	100	Peak
5725.00	38.65	10.25	48.90	74.00	-25.10	139	200	Peak
5850.00	37.36	10.53	47.89	74.00	-26.11	59	200	Peak
8040.00	36.78	13.07	49.85	74.00	-24.15	334	200	Peak
8664.00	36.91	13.22	50.13	74.00	-23.87	188	100	Peak
9444.00	36.78	14.57	51.35	74.00	-22.65	350	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5435.00	41.30	9.62	50.92	74.00	-23.08	115	200	Peak
5725.00	33.17	10.25	43.42	54.00	-10.58	42	200	Average
5725.00	43.33	10.25	53.58	74.00	-20.42	42	200	Peak
5850.00	32.92	10.53	43.45	54.00	-10.55	128	100	Average
5850.00	40.95	10.53	51.48	74.00	-22.52	128	100	Peak
7212.00	36.80	12.31	49.11	74.00	-24.89	190	100	Peak
7908.00	37.12	12.93	50.05	74.00	-23.95	162	200	Peak
9468.00	36.64	14.64	51.28	74.00	-22.72	320	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 3 / IEEE 802.11a TX / CH High / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4685.00	41.30	8.08	49.38	74.00	-24.62	159	200	Peak
5725.00	37.17	10.25	47.42	74.00	-26.58	124	100	Peak
5850.00	32.65	10.53	43.18	54.00	-10.82	255	200	Average
5850.00	41.86	10.53	52.39	74.00	-21.61	255	200	Peak
7428.00	37.03	12.36	49.39	74.00	-24.61	229	100	Peak
8676.00	36.40	13.22	49.62	74.00	-24.38	157	100	Peak
9456.00	36.41	14.61	51.02	74.00	-22.98	2	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4650.00	40.99	8.00	48.99	74.00	-25.01	280	200	Peak
5725.00	38.74	10.25	48.99	74.00	-25.01	144	200	Peak
5850.00	42.34	10.53	52.87	54.00	-1.13	128	200	Average
5850.00	53.75	10.53	64.28	74.00	-9.72	128	200	Peak
7788.00	36.35	12.77	49.12	74.00	-24.88	192	100	Peak
8628.00	36.98	13.21	50.19	74.00	-23.81	305	100	Peak
9348.00	36.83	14.29	51.12	74.00	-22.88	271	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 3 / IEEE 802.11ac VHT20 TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4745.00	40.90	8.22	49.12	74.00	-24.88	223	200	Peak
5725.00	32.60	10.25	42.85	54.00	-11.15	125	200	Average
5725.00	52.84	10.25	63.09	74.00	-10.91	125	200	Peak
5850.00	37.40	10.53	47.93	74.00	-26.07	257	100	Peak
7008.00	36.75	12.25	49.00	74.00	-25.00	263	100	Peak
8016.00	37.07	13.06	50.13	74.00	-23.87	100	100	Peak
9660.00	36.22	14.96	51.18	74.00	-22.82	350	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5550.00	40.65	9.85	50.50	74.00	-23.50	219	200	Peak
5725.00	42.81	10.25	53.06	54.00	-0.94	130	200	Average
5725.00	59.80	10.25	70.05	74.00	-3.95	130	200	Peak
5850.00	38.10	10.53	48.63	74.00	-25.37	125	100	Peak
7452.00	37.09	12.37	49.46	74.00	-24.54	101	100	Peak
8832.00	36.80	13.23	50.03	74.00	-23.97	252	100	Peak
9612.00	35.98	14.89	50.87	74.00	-23.13	163	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 3 / IEEE 802.11ac VHT20 TX / CH Middle / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4770.00	41.72	8.28	50.00	74.00	-24.00	85	100	Peak
5725.00	37.43	10.25	47.68	74.00	-26.32	136	200	Peak
5850.00	38.83	10.53	49.36	74.00	-24.64	155	100	Peak
7176.00	36.69	12.30	48.99	74.00	-25.01	231	200	Peak
8760.00	36.15	13.23	49.38	74.00	-24.62	160	200	Peak
9372.00	36.41	14.36	50.77	74.00	-23.23	68	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4685.00	41.51	8.08	49.59	74.00	-24.41	205	100	Peak
5725.00	41.52	10.25	51.77	74.00	-22.23	130	100	Peak
5850.00	41.30	10.53	51.83	74.00	-22.17	338	200	Peak
7104.00	37.14	12.28	49.42	74.00	-24.58	79	100	Peak
8064.00	36.79	13.08	49.87	74.00	-24.13	7	100	Peak
9588.00	36.24	14.86	51.10	74.00	-22.90	276	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 3 / IEEE 802.11ac VHT20 TX / CH High / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5380.00	39.90	9.52	49.42	74.00	-24.58	183	100	Peak
5725.00	37.66	10.25	47.91	74.00	-26.09	87	200	Peak
5850.00	41.17	10.53	51.70	74.00	-22.30	136	100	Peak
7008.00	36.89	12.25	49.14	74.00	-24.86	104	100	Peak
8076.00	36.52	13.08	49.60	74.00	-24.40	225	200	Peak
9360.00	37.01	14.32	51.33	74.00	-22.67	74	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4705.00	41.25	8.13	49.38	74.00	-24.62	0	100	Peak
5725.00	38.51	10.25	48.76	74.00	-25.24	267	100	Peak
5850.00	38.00	10.53	48.53	54.00	-5.47	127	200	Average
5850.00	54.92	10.53	65.45	74.00	-8.55	127	200	Peak
6996.00	36.80	12.25	49.05	74.00	-24.95	3	100	Peak
8700.00	36.91	13.22	50.13	74.00	-23.87	78	100	Peak
9624.00	35.99	14.91	50.90	74.00	-23.10	337	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 3 / IEEE 802.11ac VHT40 TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4685.00	42.07	8.08	50.15	74.00	-23.85	168	100	Peak
5725.00	32.60	10.25	42.85	54.00	-11.15	137	200	Average
5725.00	48.57	10.25	58.82	74.00	-15.18	137	200	Peak
5850.00	36.76	10.53	47.29	74.00	-26.71	360	200	Peak
7728.00	36.96	12.69	49.65	74.00	-24.35	360	100	Peak
8712.00	36.97	13.22	50.19	74.00	-23.81	279	100	Peak
9492.00	36.41	14.72	51.13	74.00	-22.87	360	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5370.00	40.22	9.50	49.72	74.00	-24.28	162	200	Peak
5725.00	42.92	10.25	53.17	54.00	-0.83	320	200	Average
5725.00	58.55	10.25	68.80	74.00	-5.20	320	200	Peak
5850.00	38.51	10.53	49.04	74.00	-24.96	40	200	Peak
7248.00	37.13	12.31	49.44	74.00	-24.56	188	200	Peak
7992.00	37.01	13.05	50.06	74.00	-23.94	245	200	Peak
9564.00	35.88	14.83	50.71	74.00	-23.29	138	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 3 / IEEE 802.11ac VHT40 TX / CH High / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3880.00	42.24	5.99	48.23	74.00	-25.77	214	100	Peak
5725.00	41.10	10.25	51.35	74.00	-22.65	239	200	Peak
5850.00	40.17	10.53	50.70	74.00	-23.30	140	200	Peak
7188.00	37.09	12.30	49.39	74.00	-24.61	360	100	Peak
8640.00	36.48	13.21	49.69	74.00	-24.31	194	100	Peak
9660.00	36.54	14.96	51.50	74.00	-22.50	38	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4685.00	41.70	8.08	49.78	74.00	-24.22	345	100	Peak
5725.00	36.19	10.25	46.44	54.00	-7.56	359	200	Average
5725.00	48.33	10.25	58.58	74.00	-15.42	359	200	Peak
5850.00	38.75	10.53	49.28	54.00	-4.72	237	100	Average
5850.00	53.25	10.53	63.78	74.00	-10.22	237	100	Peak
6612.00	37.96	11.85	49.81	74.00	-24.19	4	100	Peak
8172.00	36.66	13.11	49.77	74.00	-24.23	38	200	Peak
9600.00	36.58	14.88	51.46	74.00	-22.54	0	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/13
Test Mode	UNII Band 3 / IEEE 802.11ac VHT80 TX / CH Low / External Antenna	Temp. & Humidity	25°C, 50%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3930.00	43.42	6.17	49.59	74.00	-24.41	201	200	Peak
5725.00	33.00	10.25	43.25	54.00	-10.75	231	200	Average
5725.00	48.20	10.25	58.45	74.00	-15.55	231	200	Peak
5850.00	37.43	10.53	47.96	74.00	-26.04	264	200	Peak
7668.00	36.87	12.61	49.48	74.00	-24.52	15	100	Peak
8160.00	36.66	13.10	49.76	74.00	-24.24	295	100	Peak
9540.00	36.37	14.80	51.17	74.00	-22.83	136	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4790.00	41.05	8.33	49.38	74.00	-24.62	85	200	Peak
5725.00	42.83	10.25	53.08	54.00	-0.92	231	100	Average
5725.00	58.35	10.25	68.60	74.00	-5.40	231	100	Peak
5850.00	43.59	10.53	54.12	74.00	-19.88	23	200	Peak
6816.00	37.50	12.06	49.56	74.00	-24.44	71	200	Peak
7728.00	37.20	12.69	49.89	74.00	-24.11	41	100	Peak
9660.00	36.69	14.96	51.65	74.00	-22.35	227	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 1/ IEEE 802.11a TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3950.00	41.71	6.24	47.95	74.00	-26.05	116	100	Peak
4670.00	41.27	8.05	49.32	74.00	-24.68	352	200	Peak
5350.00	38.86	9.46	48.32	74.00	-25.68	0	100	Peak
6072.00	36.67	11.00	47.67	74.00	-26.33	191	100	Peak
7152.00	37.32	12.29	49.61	74.00	-24.39	76	200	Peak
8676.00	37.56	13.22	50.78	74.00	-23.22	42	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3245.00	42.24	4.38	46.62	74.00	-27.38	0	200	Peak
4895.00	41.36	8.57	49.93	74.00	-24.07	76	100	Peak
5350.00	37.92	9.46	47.38	74.00	-26.62	177	200	Peak
6528.00	36.51	11.77	48.28	74.00	-25.72	329	200	Peak
7764.00	36.69	12.74	49.43	74.00	-24.57	9	200	Peak
8964.00	36.34	13.25	49.59	74.00	-24.41	24	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 1/ IEEE 802.11a TX / CH Middle / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4640.00	41.86	7.98	49.84	74.00	-24.16	291	100	Peak
5150.00	42.71	9.10	51.81	74.00	-22.19	194	200	Peak
5350.00	38.58	9.46	48.04	74.00	-25.96	359	200	Peak
6816.00	37.02	12.06	49.08	74.00	-24.92	177	100	Peak
8064.00	36.59	13.08	49.67	74.00	-24.33	0	200	Peak
9072.00	36.41	13.46	49.87	74.00	-24.13	90	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4750.00	40.75	8.23	48.98	74.00	-25.02	340	100	Peak
5150.00	42.31	9.10	51.41	74.00	-22.59	141	200	Peak
5350.00	37.90	9.46	47.36	74.00	-26.64	191	100	Peak
6444.00	36.62	11.64	48.26	74.00	-25.74	0	200	Peak
7716.00	36.77	12.67	49.44	74.00	-24.56	12	100	Peak
9528.00	35.80	14.78	50.58	74.00	-23.42	18	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 1/ IEEE 802.11a TX / CH High / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4625.00	41.02	7.94	48.96	74.00	-25.04	146	200	Peak
5150.00	37.27	9.10	46.37	74.00	-27.63	142	100	Peak
5350.00	38.78	9.46	48.24	74.00	-25.76	71	200	Peak
6132.00	37.08	11.10	48.18	74.00	-25.82	360	100	Peak
7716.00	37.12	12.67	49.79	74.00	-24.21	30	200	Peak
9336.00	36.23	14.25	50.48	74.00	-23.52	248	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4390.00	42.33	7.38	49.71	74.00	-24.29	49	100	Peak
5150.00	37.31	9.10	46.41	74.00	-27.59	114	200	Peak
5350.00	39.36	9.46	48.82	74.00	-25.18	75	200	Peak
7020.00	36.35	12.26	48.61	74.00	-25.39	116	200	Peak
8196.00	36.46	13.11	49.57	74.00	-24.43	318	200	Peak
9228.00	36.49	13.93	50.42	74.00	-23.58	55	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 1/ IEEE 802.11ac VHT20 TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
1795.00	46.66	-0.08	46.58	74.00	-27.42	323	200	Peak
4765.00	41.92	8.27	50.19	74.00	-23.81	227	100	Peak
5350.00	38.62	9.46	48.08	74.00	-25.92	270	100	Peak
6036.00	37.43	10.93	48.36	74.00	-25.64	289	100	Peak
7032.00	36.33	12.26	48.59	74.00	-25.41	106	100	Peak
9228.00	35.57	13.93	49.50	74.00	-24.50	176	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4030.00	41.02	6.49	47.51	74.00	-26.49	217	100	Peak
4665.00	41.82	8.04	49.86	74.00	-24.14	169	200	Peak
5350.00	39.67	9.46	49.13	74.00	-24.87	353	200	Peak
6648.00	37.06	11.89	48.95	74.00	-25.05	36	100	Peak
7752.00	36.85	12.72	49.57	74.00	-24.43	339	100	Peak
9348.00	36.45	14.29	50.74	74.00	-23.26	56	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 1/ IEEE 802.11ac VHT20 TX / CH Middle / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4630.00	40.92	7.95	48.87	74.00	-25.13	356	100	Peak
5150.00	42.44	9.10	51.54	74.00	-22.46	187	200	Peak
5350.00	37.85	9.46	47.31	74.00	-26.69	202	200	Peak
6180.00	36.94	11.18	48.12	74.00	-25.88	16	100	Peak
6792.00	37.08	12.04	49.12	74.00	-24.88	83	200	Peak
7656.00	36.90	12.59	49.49	74.00	-24.51	50	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4730.00	41.52	8.19	49.71	74.00	-24.29	140	200	Peak
5150.00	40.29	9.10	49.39	74.00	-24.61	238	200	Peak
5350.00	38.10	9.46	47.56	74.00	-26.44	102	200	Peak
6624.00	36.91	11.87	48.78	74.00	-25.22	109	100	Peak
8136.00	36.53	13.10	49.63	74.00	-24.37	320	100	Peak
9312.00	37.66	14.18	51.84	74.00	-22.16	311	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 1/ IEEE 802.11ac VHT20 TX / CH High / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4675.00	40.75	8.06	48.81	74.00	-25.19	307	100	Peak
5150.00	38.29	9.10	47.39	74.00	-26.61	224	100	Peak
5350.00	38.52	9.46	47.98	74.00	-26.02	192	200	Peak
7140.00	37.24	12.29	49.53	74.00	-24.47	87	100	Peak
8076.00	37.03	13.08	50.11	74.00	-23.89	127	100	Peak
8388.00	36.62	13.17	49.79	74.00	-24.21	130	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4730.00	41.43	8.19	49.62	74.00	-24.38	133	100	Peak
5150.00	38.02	9.10	47.12	74.00	-26.88	210	100	Peak
5350.00	38.61	9.46	48.07	74.00	-25.93	110	100	Peak
6900.00	37.05	12.15	49.20	74.00	-24.80	75	200	Peak
8640.00	36.79	13.21	50.00	74.00	-24.00	307	100	Peak
9600.00	36.56	14.88	51.44	74.00	-22.56	210	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 1/ IEEE 802.11ac VHT40 TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3840.00	42.01	5.84	47.85	74.00	-26.15	147	100	Peak
4675.00	41.51	8.06	49.57	74.00	-24.43	12	100	Peak
5350.00	38.43	9.46	47.89	74.00	-26.11	226	200	Peak
6612.00	37.12	11.85	48.97	74.00	-25.03	123	200	Peak
7464.00	37.13	12.37	49.50	74.00	-24.50	333	100	Peak
8100.00	36.42	13.09	49.51	74.00	-24.49	32	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	39.82	9.46	49.28	74.00	-24.72	215	200	Peak
5520.00	40.61	9.79	50.40	74.00	-23.60	146	200	Peak
5975.00	39.75	10.81	50.56	74.00	-23.44	75	200	Peak
6624.00	36.52	11.87	48.39	74.00	-25.61	169	200	Peak
7224.00	37.67	12.31	49.98	74.00	-24.02	152	100	Peak
7968.00	36.62	13.02	49.64	74.00	-24.36	22	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 1/ IEEE 802.11ac VHT40 TX / CH High / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4675.00	40.92	8.06	48.98	74.00	-25.02	147	200	Peak
5150.00	41.40	9.10	50.50	74.00	-23.50	197	200	Peak
5350.00	38.32	9.46	47.78	74.00	-26.22	124	100	Peak
7188.00	36.89	12.30	49.19	74.00	-24.81	0	100	Peak
7932.00	36.75	12.97	49.72	74.00	-24.28	1	200	Peak
9468.00	37.27	14.64	51.91	74.00	-22.09	286	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4695.00	40.60	8.11	48.71	74.00	-25.29	50	100	Peak
5150.00	40.79	9.10	49.89	74.00	-24.11	205	200	Peak
5350.00	38.56	9.46	48.02	74.00	-25.98	186	200	Peak
7356.00	37.40	12.34	49.74	74.00	-24.26	199	100	Peak
8652.00	36.33	13.22	49.55	74.00	-24.45	176	100	Peak
9408.00	35.57	14.47	50.04	74.00	-23.96	158	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 1/ IEEE 802.11ac VHT80 TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4080.00	42.03	6.62	48.65	74.00	-25.35	55	200	Peak
4780.00	41.48	8.31	49.79	74.00	-24.21	185	200	Peak
5350.00	38.66	9.46	48.12	74.00	-25.88	153	200	Peak
7188.00	37.56	12.30	49.86	74.00	-24.14	181	200	Peak
7932.00	36.71	12.97	49.68	74.00	-24.32	356	100	Peak
8664.00	36.65	13.22	49.87	74.00	-24.13	289	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3915.00	43.45	6.11	49.56	74.00	-24.44	52	200	Peak
4735.00	41.65	8.20	49.85	74.00	-24.15	298	200	Peak
5350.00	38.80	9.46	48.26	74.00	-25.74	131	200	Peak
7320.00	37.02	12.33	49.35	74.00	-24.65	0	100	Peak
7704.00	37.77	12.66	50.43	74.00	-23.57	94	100	Peak
8868.00	36.97	13.24	50.21	74.00	-23.79	0	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2A / IEEE 802.11a TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4720.00	41.69	8.16	49.85	74.00	-24.15	16	200	Peak
5150.00	37.90	9.10	47.00	74.00	-27.00	63	200	Peak
5350.00	39.42	9.46	48.88	74.00	-25.12	142	200	Peak
6960.00	37.09	12.21	49.30	74.00	-24.70	5	200	Peak
7764.00	36.82	12.74	49.56	74.00	-24.44	265	100	Peak
8268.00	36.66	13.14	49.80	74.00	-24.20	321	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4800.00	40.27	8.35	48.62	74.00	-25.38	358	200	Peak
5150.00	37.87	9.10	46.97	74.00	-27.03	262	100	Peak
5350.00	38.95	9.46	48.41	74.00	-25.59	234	200	Peak
7044.00	37.82	12.26	50.08	74.00	-23.92	204	100	Peak
7932.00	36.87	12.97	49.84	74.00	-24.16	286	100	Peak
8844.00	36.37	13.23	49.60	74.00	-24.40	312	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2A / IEEE 802.11a TX / CH Middle / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4690.00	40.97	8.09	49.06	74.00	-24.94	66	200	Peak
5150.00	36.61	9.10	45.71	74.00	-28.29	218	100	Peak
5350.00	41.78	9.46	51.24	74.00	-22.76	232	200	Peak
7356.00	38.19	12.34	50.53	74.00	-23.47	97	200	Peak
8760.00	36.15	13.23	49.38	74.00	-24.62	285	200	Peak
9408.00	36.98	14.47	51.45	74.00	-22.55	178	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4765.00	41.25	8.27	49.52	74.00	-24.48	292	200	Peak
5150.00	38.14	9.10	47.24	74.00	-26.76	94	100	Peak
5350.00	42.07	9.46	51.53	74.00	-22.47	218	200	Peak
6636.00	38.32	11.88	50.20	74.00	-23.80	75	100	Peak
7368.00	37.30	12.35	49.65	74.00	-24.35	162	200	Peak
8784.00	36.70	13.23	49.93	74.00	-24.07	75	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2A / IEEE 802.11a TX / CH High / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3820.00	42.58	5.77	48.35	74.00	-25.65	280	200	Peak
4630.00	40.84	7.95	48.79	74.00	-25.21	278	200	Peak
5150.00	37.34	9.10	46.44	74.00	-27.56	67	200	Peak
7128.00	37.57	12.28	49.85	74.00	-24.15	141	100	Peak
8100.00	36.58	13.09	49.67	74.00	-24.33	242	100	Peak
9372.00	36.19	14.36	50.55	74.00	-23.45	273	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3805.00	43.26	5.72	48.98	74.00	-25.02	206	200	Peak
4685.00	40.92	8.08	49.00	74.00	-25.00	63	100	Peak
5150.00	37.55	9.10	46.65	74.00	-27.35	172	200	Peak
7056.00	37.22	12.26	49.48	74.00	-24.52	185	200	Peak
7800.00	36.56	12.79	49.35	74.00	-24.65	313	200	Peak
8508.00	37.32	13.20	50.52	74.00	-23.48	231	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2A / IEEE 802.11ac VHT20 TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	37.25	9.10	46.35	74.00	-27.65	248	100	Peak
5350.00	39.54	9.46	49.00	74.00	-25.00	140	200	Peak
5560.00	40.23	9.88	50.11	74.00	-23.89	358	200	Peak
6624.00	37.09	11.87	48.96	74.00	-25.04	90	200	Peak
7968.00	37.38	13.02	50.40	74.00	-23.60	216	100	Peak
8760.00	36.76	13.23	49.99	74.00	-24.01	184	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	37.26	9.10	46.36	74.00	-27.64	160	200	Peak
5350.00	40.09	9.46	49.55	74.00	-24.45	239	200	Peak
5465.00	40.52	9.68	50.20	74.00	-23.80	167	200	Peak
7140.00	37.14	12.29	49.43	74.00	-24.57	140	100	Peak
7884.00	36.74	12.90	49.64	74.00	-24.36	2	200	Peak
8808.00	36.48	13.23	49.71	74.00	-24.29	134	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2A / IEEE 802.11ac VHT20 TX / CH Middle / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4665.00	40.86	8.04	48.90	74.00	-25.10	312	200	Peak
5150.00	36.92	9.10	46.02	74.00	-27.98	142	200	Peak
5350.00	41.85	9.46	51.31	74.00	-22.69	331	200	Peak
7008.00	37.37	12.25	49.62	74.00	-24.38	66	200	Peak
7752.00	36.72	12.72	49.44	74.00	-24.56	85	200	Peak
9144.00	36.34	13.68	50.02	74.00	-23.98	43	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4630.00	41.51	7.95	49.46	74.00	-24.54	100	100	Peak
5150.00	37.49	9.10	46.59	74.00	-27.41	314	100	Peak
5350.00	42.26	9.46	51.72	74.00	-22.28	200	200	Peak
7008.00	37.46	12.25	49.71	74.00	-24.29	45	100	Peak
8124.00	36.83	13.09	49.92	74.00	-24.08	184	100	Peak
9384.00	37.50	14.39	51.89	74.00	-22.11	106	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2A / IEEE 802.11ac VHT20 TX / CH High / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
1715.00	46.64	-0.77	45.87	74.00	-28.13	347	200	Peak
4710.00	41.38	8.14	49.52	74.00	-24.48	315	100	Peak
5150.00	37.23	9.10	46.33	74.00	-27.67	293	200	Peak
7212.00	37.11	12.31	49.42	74.00	-24.58	294	100	Peak
8484.00	36.29	13.20	49.49	74.00	-24.51	357	200	Peak
9684.00	36.55	14.99	51.54	74.00	-22.46	218	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3150.00	42.31	4.28	46.59	74.00	-27.41	360	200	Peak
4855.00	40.79	8.48	49.27	74.00	-24.73	287	200	Peak
5150.00	37.13	9.10	46.23	74.00	-27.77	216	100	Peak
7080.00	37.54	12.27	49.81	74.00	-24.19	212	100	Peak
8412.00	36.83	13.18	50.01	74.00	-23.99	3	200	Peak
9828.00	35.84	15.19	51.03	74.00	-22.97	135	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2A / IEEE 802.11ac VHT40 TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4725.00	41.38	8.18	49.56	74.00	-24.44	145	200	Peak
5150.00	38.78	9.10	47.88	74.00	-26.12	340	100	Peak
5350.00	41.75	9.46	51.21	74.00	-22.79	194	200	Peak
6120.00	37.74	11.08	48.82	74.00	-25.18	326	200	Peak
7980.00	37.01	13.03	50.04	74.00	-23.96	216	100	Peak
8988.00	36.57	13.25	49.82	74.00	-24.18	9	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4745.00	40.56	8.22	48.78	74.00	-25.22	183	200	Peak
5150.00	37.59	9.10	46.69	74.00	-27.31	62	100	Peak
5350.00	41.66	9.46	51.12	74.00	-22.88	221	200	Peak
7032.00	36.96	12.26	49.22	74.00	-24.78	147	100	Peak
8244.00	36.56	13.13	49.69	74.00	-24.31	170	100	Peak
8592.00	36.97	13.21	50.18	74.00	-23.82	317	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2A / IEEE 802.11ac VHT40 TX / CH High / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3855.00	42.39	5.90	48.29	74.00	-25.71	360	100	Peak
4675.00	41.22	8.06	49.28	74.00	-24.72	0	100	Peak
5150.00	38.11	9.10	47.21	74.00	-26.79	120	200	Peak
6876.00	37.34	12.12	49.46	74.00	-24.54	165	100	Peak
8244.00	36.36	13.13	49.49	74.00	-24.51	182	100	Peak
9492.00	37.26	14.72	51.98	74.00	-22.02	303	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3855.00	42.22	5.90	48.12	74.00	-25.88	237	200	Peak
4675.00	41.25	8.06	49.31	74.00	-24.69	13	100	Peak
5150.00	37.17	9.10	46.27	74.00	-27.73	234	200	Peak
6924.00	37.69	12.17	49.86	74.00	-24.14	197	100	Peak
7428.00	37.39	12.36	49.75	74.00	-24.25	227	200	Peak
8796.00	36.47	13.23	49.70	74.00	-24.30	199	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2A / IEEE 802.11ac VHT80 TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3895.00	41.47	6.04	47.51	74.00	-26.49	244	100	Peak
4780.00	40.96	8.31	49.27	74.00	-24.73	38	100	Peak
5150.00	37.37	9.10	46.47	74.00	-27.53	71	200	Peak
6924.00	37.02	12.17	49.19	74.00	-24.81	74	100	Peak
7512.00	37.09	12.40	49.49	74.00	-24.51	358	200	Peak
8520.00	36.38	13.20	49.58	74.00	-24.42	340	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3940.00	42.47	6.20	48.67	74.00	-25.33	265	200	Peak
4675.00	41.28	8.06	49.34	74.00	-24.66	7	200	Peak
5150.00	38.25	9.10	47.35	74.00	-26.65	358	200	Peak
7296.00	37.00	12.33	49.33	74.00	-24.67	3	200	Peak
8064.00	37.17	13.08	50.25	74.00	-23.75	90	200	Peak
8856.00	37.10	13.24	50.34	74.00	-23.66	113	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2C / IEEE 802.11a TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4715.00	41.21	8.15	49.36	74.00	-24.64	331	100	Peak
5470.00	36.86	9.68	46.54	54.00	-7.46	118	200	Average
5470.00	52.90	9.68	62.58	74.00	-11.42	118	200	Peak
5725.00	37.28	10.25	47.53	74.00	-26.47	110	100	Peak
6912.00	37.30	12.16	49.46	74.00	-24.54	29	100	Peak
7980.00	36.22	13.03	49.25	74.00	-24.75	133	100	Peak
9540.00	36.37	14.80	51.17	74.00	-22.83	360	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4815.00	41.20	8.39	49.59	74.00	-24.41	96	200	Peak
5470.00	35.15	9.68	44.83	54.00	-9.17	155	200	Average
5470.00	52.38	9.68	62.06	74.00	-11.94	155	200	Peak
5725.00	37.52	10.25	47.77	74.00	-26.23	42	200	Peak
7224.00	36.99	12.31	49.30	74.00	-24.70	355	100	Peak
8172.00	36.59	13.11	49.70	74.00	-24.30	273	200	Peak
9096.00	36.21	13.54	49.75	74.00	-24.25	349	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2C / IEEE 802.11a TX / CH Middle / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4635.00	41.27	7.97	49.24	74.00	-24.76	184	200	Peak
5470.00	38.56	9.68	48.24	74.00	-25.76	3	200	Peak
5725.00	36.54	10.25	46.79	74.00	-27.21	171	200	Peak
7728.00	37.35	12.69	50.04	74.00	-23.96	343	100	Peak
8196.00	36.91	13.11	50.02	74.00	-23.98	217	100	Peak
9180.00	36.09	13.79	49.88	74.00	-24.12	258	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4615.00	41.19	7.92	49.11	74.00	-24.89	274	200	Peak
5470.00	39.47	9.68	49.15	74.00	-24.85	273	100	Peak
5725.00	37.09	10.25	47.34	74.00	-26.66	269	100	Peak
7176.00	37.74	12.30	50.04	74.00	-23.96	0	100	Peak
8004.00	36.97	13.06	50.03	74.00	-23.97	255	100	Peak
9468.00	36.77	14.64	51.41	74.00	-22.59	0	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2C / IEEE 802.11a TX / CH High / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4790.00	40.68	8.33	49.01	74.00	-24.99	112	100	Peak
5470.00	38.68	9.68	48.36	74.00	-25.64	340	200	Peak
5725.00	34.30	10.25	44.55	54.00	-9.45	167	200	Average
5725.00	50.01	10.25	60.26	74.00	-13.74	167	200	Peak
7176.00	37.37	12.30	49.67	74.00	-24.33	236	200	Peak
7908.00	36.65	12.93	49.58	74.00	-24.42	0	200	Peak
8832.00	36.66	13.23	49.89	74.00	-24.11	295	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4525.00	42.21	7.71	49.92	74.00	-24.08	356	100	Peak
5470.00	38.74	9.68	48.42	74.00	-25.58	326	200	Peak
5725.00	34.06	10.25	44.31	54.00	-9.69	118	200	Average
5725.00	49.12	10.25	59.37	74.00	-14.63	118	200	Peak
7212.00	37.97	12.31	50.28	74.00	-23.72	314	200	Peak
8028.00	36.75	13.07	49.82	74.00	-24.18	259	100	Peak
8664.00	36.76	13.22	49.98	74.00	-24.02	130	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2C / IEEE 802.11ac VHT20 TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4610.00	42.32	7.91	50.23	74.00	-23.77	136	100	Peak
5470.00	37.26	9.68	46.94	54.00	-7.06	201	200	Average
5470.00	51.78	9.68	61.46	74.00	-12.54	201	200	Peak
5725.00	37.27	10.25	47.52	74.00	-26.48	102	200	Peak
7008.00	37.10	12.25	49.35	74.00	-24.65	257	100	Peak
7188.00	37.20	12.30	49.50	74.00	-24.50	166	200	Peak
8064.00	36.99	13.08	50.07	74.00	-23.93	61	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4765.00	40.95	8.27	49.22	74.00	-24.78	207	200	Peak
5470.00	39.47	9.68	49.15	54.00	-4.85	178	200	Average
5470.00	56.04	9.68	65.72	74.00	-8.28	178	200	Peak
5725.00	36.46	10.25	46.71	74.00	-27.29	180	100	Peak
7200.00	37.01	12.30	49.31	74.00	-24.69	173	200	Peak
7980.00	37.15	13.03	50.18	74.00	-23.82	162	200	Peak
9336.00	37.13	14.25	51.38	74.00	-22.62	133	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2C / IEEE 802.11ac VHT20 TX / CH Middle / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4675.00	41.08	8.06	49.14	74.00	-24.86	201	200	Peak
5470.00	39.77	9.68	49.45	74.00	-24.55	289	200	Peak
5725.00	37.46	10.25	47.71	74.00	-26.29	327	200	Peak
6924.00	36.43	12.17	48.60	74.00	-25.40	71	200	Peak
7752.00	36.66	12.72	49.38	74.00	-24.62	283	100	Peak
9288.00	36.40	14.11	50.51	74.00	-23.49	85	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4700.00	40.89	8.12	49.01	74.00	-24.99	146	100	Peak
5470.00	38.54	9.68	48.22	74.00	-25.78	7	100	Peak
5725.00	36.90	10.25	47.15	74.00	-26.85	122	200	Peak
7392.00	37.09	12.35	49.44	74.00	-24.56	313	200	Peak
8148.00	37.44	13.10	50.54	74.00	-23.46	207	100	Peak
9048.00	37.22	13.39	50.61	74.00	-23.39	246	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2C / IEEE 802.11ac VHT20 TX / CH High / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4805.00	40.89	8.36	49.25	74.00	-24.75	90	100	Peak
5470.00	39.17	9.68	48.85	74.00	-25.15	331	100	Peak
5725.00	37.33	10.25	47.58	54.00	-6.42	156	200	Average
5725.00	49.77	10.25	60.02	74.00	-13.98	156	200	Peak
7404.00	37.06	12.36	49.42	74.00	-24.58	354	100	Peak
8568.00	37.24	13.21	50.45	74.00	-23.55	121	200	Peak
9132.00	35.77	13.64	49.41	74.00	-24.59	170	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4815.00	40.54	8.39	48.93	74.00	-25.07	340	100	Peak
5470.00	38.80	9.68	48.48	74.00	-25.52	16	100	Peak
5725.00	37.53	10.25	47.78	54.00	-6.22	218	200	Average
5725.00	50.32	10.25	60.57	74.00	-13.43	218	200	Peak
7188.00	37.26	12.30	49.56	74.00	-24.44	96	200	Peak
7716.00	37.45	12.67	50.12	74.00	-23.88	146	100	Peak
9588.00	36.21	14.86	51.07	74.00	-22.93	29	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2C / IEEE 802.11ac VHT40 TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4635.00	41.73	7.97	49.70	74.00	-24.30	211	100	Peak
5470.00	43.20	9.68	52.88	54.00	-1.12	126	200	Average
5470.00	57.81	9.68	67.49	74.00	-6.51	126	200	Peak
5725.00	37.26	10.25	47.51	74.00	-26.49	186	200	Peak
7632.00	38.86	12.56	51.42	74.00	-22.58	342	100	Peak
8208.00	36.87	13.12	49.99	74.00	-24.01	143	100	Peak
9384.00	36.76	14.39	51.15	74.00	-22.85	202	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4595.00	41.59	7.87	49.46	74.00	-24.54	286	200	Peak
5470.00	42.60	9.68	52.28	54.00	-1.72	214	200	Average
5470.00	55.98	9.68	65.66	74.00	-8.34	214	200	Peak
5725.00	37.57	10.25	47.82	74.00	-26.18	167	100	Peak
6900.00	37.61	12.15	49.76	74.00	-24.24	148	200	Peak
8052.00	36.80	13.07	49.87	74.00	-24.13	359	100	Peak
9216.00	36.82	13.89	50.71	74.00	-23.29	182	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2C / IEEE 802.11ac VHT40 TX / CH Middle / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4680.00	40.85	8.07	48.92	74.00	-25.08	176	100	Peak
5470.00	35.65	9.68	45.33	54.00	-8.67	145	200	Average
5470.00	47.50	9.68	57.18	74.00	-16.82	145	200	Peak
5725.00	37.07	10.25	47.32	74.00	-26.68	335	200	Peak
7020.00	37.79	12.26	50.05	74.00	-23.95	66	200	Peak
7392.00	37.72	12.35	50.07	74.00	-23.93	0	200	Peak
8652.00	36.56	13.22	49.78	74.00	-24.22	146	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4785.00	41.35	8.32	49.67	74.00	-24.33	111	100	Peak
5470.00	32.52	9.68	42.20	54.00	-11.80	191	200	Average
5470.00	47.29	9.68	56.97	74.00	-17.03	191	200	Peak
5725.00	37.39	10.25	47.64	74.00	-26.36	360	100	Peak
7452.00	36.87	12.37	49.24	74.00	-24.76	126	100	Peak
7956.00	36.59	13.00	49.59	74.00	-24.41	226	100	Peak
8604.00	36.24	13.21	49.45	74.00	-24.55	239	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2C / IEEE 802.11ac VHT40 TX / CH High / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4675.00	41.76	8.06	49.82	74.00	-24.18	87	200	Peak
5470.00	38.90	9.68	48.58	74.00	-25.42	116	200	Peak
5725.00	38.71	10.25	48.96	54.00	-5.04	137	200	Average
5725.00	51.48	10.25	61.73	74.00	-12.27	137	200	Peak
6696.00	37.13	11.94	49.07	74.00	-24.93	113	200	Peak
7224.00	37.53	12.31	49.84	74.00	-24.16	271	100	Peak
7956.00	36.58	13.00	49.58	74.00	-24.42	225	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4735.00	40.81	8.20	49.01	74.00	-24.99	333	200	Peak
5470.00	38.87	9.68	48.55	74.00	-25.45	219	200	Peak
5725.00	39.00	10.25	49.25	54.00	-4.75	223	200	Average
5725.00	50.78	10.25	61.03	74.00	-12.97	223	200	Peak
6996.00	36.91	12.25	49.16	74.00	-24.84	113	100	Peak
7812.00	36.68	12.80	49.48	74.00	-24.52	205	200	Peak
8088.00	37.31	13.08	50.39	74.00	-23.61	316	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 2C / IEEE 802.11ac VHT80 TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4750.00	41.68	8.23	49.91	74.00	-24.09	80	200	Peak
5470.00	39.95	9.68	49.63	54.00	-4.37	126	200	Average
5470.00	55.52	9.68	65.20	74.00	-8.80	126	200	Peak
5725.00	37.01	10.25	47.26	74.00	-26.74	124	200	Peak
6804.00	37.32	12.05	49.37	74.00	-24.63	102	100	Peak
7392.00	37.06	12.35	49.41	74.00	-24.59	172	100	Peak
9336.00	36.34	14.25	50.59	74.00	-23.41	43	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4755.00	40.22	8.25	48.47	74.00	-25.53	59	100	Peak
5470.00	39.78	9.68	49.46	54.00	-4.54	147	200	Average
5470.00	53.28	9.68	62.96	74.00	-11.04	147	200	Peak
5725.00	36.82	10.25	47.07	74.00	-26.93	281	100	Peak
6936.00	37.35	12.18	49.53	74.00	-24.47	343	200	Peak
8016.00	36.62	13.06	49.68	74.00	-24.32	177	100	Peak
9528.00	36.27	14.78	51.05	74.00	-22.95	230	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 3 / IEEE 802.11a TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4650.00	42.15	8.00	50.15	74.00	-23.85	160	100	Peak
5725.00	35.80	10.25	46.05	54.00	-7.95	333	100	Average
5725.00	51.15	10.25	61.40	74.00	-12.60	333	100	Peak
5850.00	36.64	10.53	47.17	74.00	-26.83	216	100	Peak
7224.00	37.06	12.31	49.37	74.00	-24.63	66	200	Peak
8244.00	36.27	13.13	49.40	74.00	-24.60	2	200	Peak
9432.00	36.76	14.54	51.30	74.00	-22.70	0	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4750.00	40.31	8.23	48.54	74.00	-25.46	38	100	Peak
5725.00	39.80	10.25	50.05	54.00	-3.95	124	200	Average
5725.00	53.81	10.25	64.06	74.00	-9.94	124	200	Peak
5850.00	37.19	10.53	47.72	74.00	-26.28	10	200	Peak
6852.00	36.68	12.10	48.78	74.00	-25.22	121	100	Peak
7440.00	37.35	12.36	49.71	74.00	-24.29	198	200	Peak
9324.00	36.43	14.22	50.65	74.00	-23.35	53	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 3 / IEEE 802.11a TX / CH Middle / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4870.00	40.51	8.52	49.03	74.00	-24.97	33	200	Peak
5725.00	37.94	10.25	48.19	74.00	-25.81	122	200	Peak
5850.00	37.19	10.53	47.72	74.00	-26.28	160	200	Peak
6828.00	36.74	12.07	48.81	74.00	-25.19	217	100	Peak
7764.00	36.67	12.74	49.41	74.00	-24.59	205	200	Peak
8772.00	36.21	13.23	49.44	74.00	-24.56	157	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4675.00	40.95	8.06	49.01	74.00	-24.99	242	100	Peak
5725.00	37.90	10.25	48.15	74.00	-25.85	7	100	Peak
5850.00	37.27	10.53	47.80	74.00	-26.20	128	200	Peak
7212.00	36.75	12.31	49.06	74.00	-24.94	257	100	Peak
8616.00	36.22	13.21	49.43	74.00	-24.57	115	100	Peak
9456.00	37.20	14.61	51.81	74.00	-22.19	260	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 3 / IEEE 802.11a TX / CH High / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5505.00	40.63	9.75	50.38	74.00	-23.62	124	200	Peak
5725.00	37.73	10.25	47.98	74.00	-26.02	265	200	Peak
5850.00	32.66	10.53	43.19	54.00	-10.81	148	200	Average
5850.00	46.16	10.53	56.69	74.00	-17.31	148	200	Peak
6912.00	36.74	12.16	48.90	74.00	-25.10	342	100	Peak
8028.00	36.09	13.07	49.16	74.00	-24.84	286	200	Peak
9084.00	36.82	13.50	50.32	74.00	-23.68	164	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4580.00	41.27	7.84	49.11	74.00	-24.89	28	200	Peak
5725.00	38.22	10.25	48.47	74.00	-25.53	160	200	Peak
5850.00	33.79	10.53	44.32	54.00	-9.68	114	200	Average
5850.00	49.20	10.53	59.73	74.00	-14.27	114	200	Peak
7236.00	37.32	12.31	49.63	74.00	-24.37	360	100	Peak
8640.00	36.88	13.21	50.09	74.00	-23.91	329	100	Peak
9492.00	36.51	14.72	51.23	74.00	-22.77	169	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 3 / IEEE 802.11ac VHT20 TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5335.00	39.89	9.44	49.33	74.00	-24.67	287	100	Peak
5725.00	41.26	10.25	51.51	74.00	-22.49	203	200	Peak
5850.00	37.07	10.53	47.60	74.00	-26.40	154	200	Peak
7296.00	37.32	12.33	49.65	74.00	-24.35	144	100	Peak
8424.00	36.30	13.18	49.48	74.00	-24.52	84	200	Peak
9648.00	36.53	14.94	51.47	74.00	-22.53	164	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5430.00	40.49	9.61	50.10	74.00	-23.90	284	200	Peak
5725.00	40.77	10.25	51.02	74.00	-22.98	231	200	Peak
5850.00	38.03	10.53	48.56	74.00	-25.44	201	200	Peak
6924.00	37.07	12.17	49.24	74.00	-24.76	23	200	Peak
8808.00	36.25	13.23	49.48	74.00	-24.52	0	200	Peak
10116.00	35.72	15.75	51.47	74.00	-22.53	360	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 3 / IEEE 802.11ac VHT20 TX / CH Middle / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4675.00	41.10	8.06	49.16	74.00	-24.84	304	200	Peak
5725.00	38.81	10.25	49.06	74.00	-24.94	152	200	Peak
5850.00	39.01	10.53	49.54	74.00	-24.46	221	100	Peak
7704.00	37.70	12.66	50.36	74.00	-23.64	354	100	Peak
8268.00	36.61	13.14	49.75	74.00	-24.25	298	100	Peak
9528.00	36.31	14.78	51.09	74.00	-22.91	359	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5330.00	39.52	9.43	48.95	74.00	-25.05	55	200	Peak
5725.00	37.22	10.25	47.47	74.00	-26.53	0	200	Peak
5850.00	38.46	10.53	48.99	74.00	-25.01	253	200	Peak
8100.00	36.29	13.09	49.38	74.00	-24.62	48	200	Peak
9096.00	36.21	13.54	49.75	74.00	-24.25	111	200	Peak
9696.00	36.28	15.01	51.29	74.00	-22.71	0	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 3 / IEEE 802.11ac VHT20 TX / CH High / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4540.00	41.60	7.74	49.34	74.00	-24.66	12	100	Peak
5725.00	37.79	10.25	48.04	74.00	-25.96	89	100	Peak
5850.00	36.13	10.53	46.66	54.00	-7.34	212	200	Average
5850.00	50.82	10.53	61.35	74.00	-12.65	212	200	Peak
7896.00	36.33	12.92	49.25	74.00	-24.75	222	100	Peak
9468.00	36.56	14.64	51.20	74.00	-22.80	75	200	Peak
10356.00	35.54	16.40	51.94	74.00	-22.06	60	200	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4575.00	40.83	7.83	48.66	74.00	-25.34	59	100	Peak
5725.00	37.59	10.25	47.84	74.00	-26.16	318	100	Peak
5850.00	36.93	10.53	47.46	54.00	-6.54	230	200	Average
5850.00	50.93	10.53	61.46	74.00	-12.54	230	200	Peak
7428.00	37.82	12.36	50.18	74.00	-23.82	354	200	Peak
7752.00	37.20	12.72	49.92	74.00	-24.08	122	100	Peak
9312.00	37.45	14.18	51.63	74.00	-22.37	98	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 3 / IEEE 802.11ac VHT40 TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4480.00	41.84	7.60	49.44	74.00	-24.56	130	200	Peak
5725.00	38.79	10.25	49.04	54.00	-4.96	211	200	Average
5725.00	50.89	10.25	61.14	74.00	-12.86	211	200	Peak
5850.00	37.11	10.53	47.64	74.00	-26.36	360	200	Peak
7404.00	36.61	12.36	48.97	74.00	-25.03	110	100	Peak
7956.00	36.54	13.00	49.54	74.00	-24.46	1	100	Peak
9468.00	36.62	14.64	51.26	74.00	-22.74	117	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5525.00	40.52	9.80	50.32	74.00	-23.68	360	200	Peak
5725.00	35.83	10.25	46.08	54.00	-7.92	151	200	Average
5725.00	49.99	10.25	60.24	74.00	-13.76	151	200	Peak
5850.00	36.83	10.53	47.36	74.00	-26.64	72	200	Peak
7464.00	36.77	12.37	49.14	74.00	-24.86	16	100	Peak
7956.00	36.89	13.00	49.89	74.00	-24.11	209	200	Peak
9372.00	37.07	14.36	51.43	74.00	-22.57	260	100	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 3 / IEEE 802.11ac VHT40 TX / CH High / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4705.00	40.79	8.13	48.92	74.00	-25.08	261	100	Peak
5725.00	41.27	10.25	51.52	74.00	-22.48	135	200	Peak
5850.00	36.16	10.53	46.69	54.00	-7.31	4	200	Average
5850.00	46.02	10.53	56.55	74.00	-17.45	4	200	Peak
7008.00	37.20	12.25	49.45	74.00	-24.55	75	100	Peak
8076.00	35.99	13.08	49.07	74.00	-24.93	0	200	Peak
8628.00	36.33	13.21	49.54	74.00	-24.46	0	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4590.00	40.87	7.86	48.73	74.00	-25.27	331	100	Peak
5725.00	41.61	10.25	51.86	74.00	-22.14	228	200	Peak
5850.00	36.20	10.53	46.73	54.00	-7.27	132	200	Average
5850.00	46.90	10.53	57.43	74.00	-16.57	132	200	Peak
7008.00	36.76	12.25	49.01	74.00	-24.99	164	100	Peak
7380.00	36.68	12.35	49.03	74.00	-24.97	88	200	Peak
8652.00	37.05	13.22	50.27	74.00	-23.73	353	200	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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Product Name	PANEL PC	Test By	Davis Tseng
Test Model	VT1020-HRD	Test Date	2015/11/15
Test Mode	UNII Band 3 / IEEE 802.11ac VHT80 TX / CH Low / Internal Antenna	Temp. & Humidity	24.3°C, 42%

966Chamber_B at 3Meter / Horizontal

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4670.00	40.73	8.05	48.78	74.00	-25.22	4	100	Peak
5725.00	39.49	10.25	49.74	54.00	-4.26	326	200	Average
5725.00	53.14	10.25	63.39	74.00	-10.61	326	200	Peak
5850.00	38.59	10.53	49.12	74.00	-24.88	234	200	Peak
6456.00	37.66	11.66	49.32	74.00	-24.68	218	200	Peak
7416.00	36.99	12.36	49.35	74.00	-24.65	295	100	Peak
9420.00	36.45	14.50	50.95	74.00	-23.05	142	100	Peak

966Chamber_B at 3Meter / Vertical

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4535.00	41.44	7.73	49.17	74.00	-24.83	254	200	Peak
5725.00	39.96	10.25	50.21	54.00	-3.79	172	200	Average
5725.00	55.38	10.25	65.63	74.00	-8.37	172	200	Peak
5850.00	38.11	10.53	48.64	74.00	-25.36	42	200	Peak
7740.00	37.81	12.71	50.52	74.00	-23.48	156	100	Peak
9492.00	36.37	14.72	51.09	74.00	-22.91	165	200	Peak
10416.00	35.26	16.56	51.82	74.00	-22.18	102	200	Peak

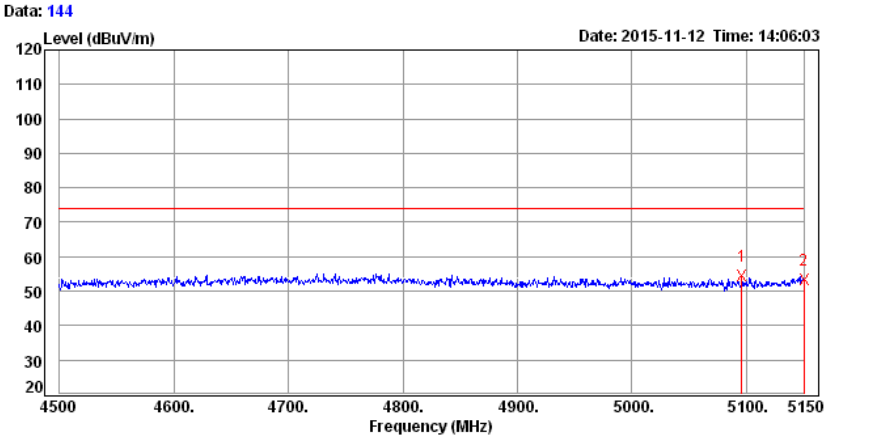
Remark:

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. *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.*
4. *Result = Reading + Correction Factor*
   Margin = Result – Limit
   Remark Peak = Result(PK) – Limit(PK)
   Remark AVG = Result(AV) – Limit(AV)

Restricted Band Edges

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11a Mode / Band 1 / External Antenna)

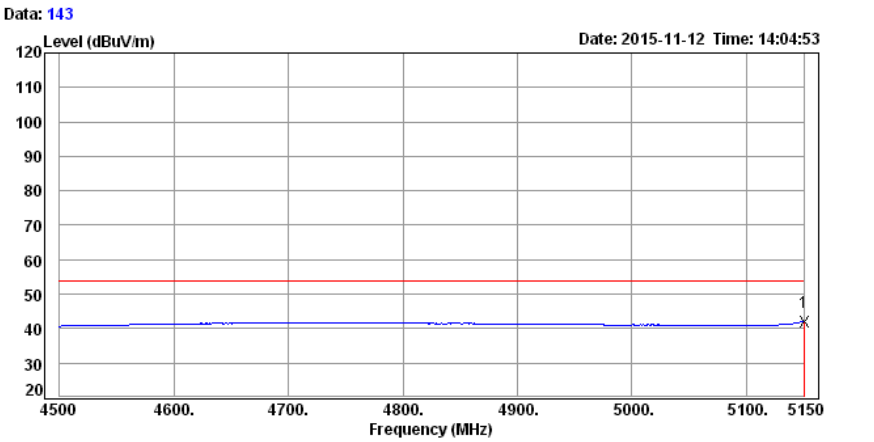


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5096.05	45.43	9.00	54.43	74.00	-19.57			Peak
5150.00	44.31	9.10	53.41	74.00	-20.59			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11a Mode / Band 1 / External Antenna)

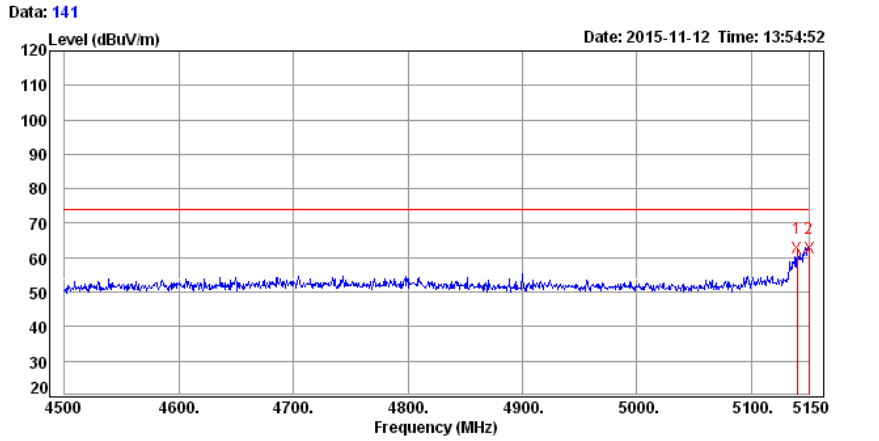


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	32.92	9.10	42.02	54.00	-11.98			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11a Mode / Band 1 / External Antenna)

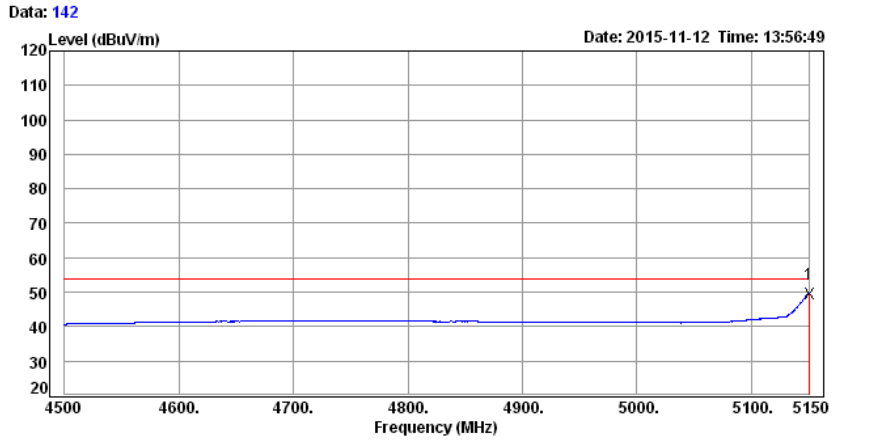


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5139.60	53.64	9.08	62.72	74.00	-11.28			Peak
5150.00	53.69	9.10	62.79	74.00	-11.21			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11a Mode / Band 1 / External Antenna)

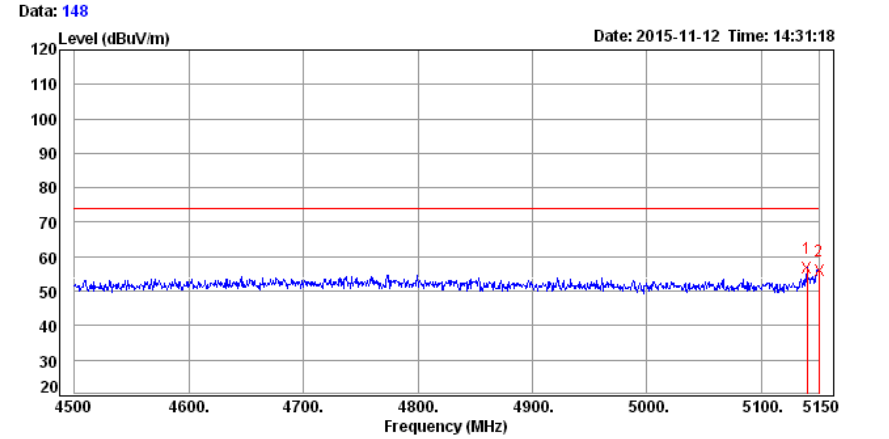


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	40.42	9.10	49.52	54.00	-4.48			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT20 Mode / Band 1 / External Antenna)

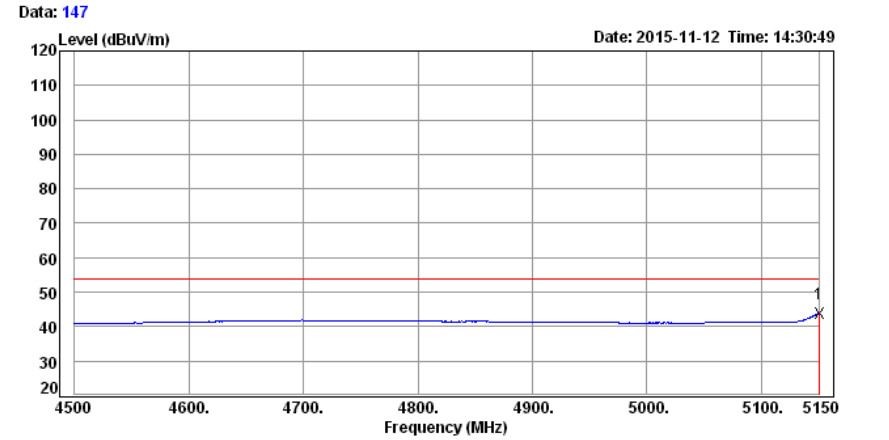


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5139.60	47.72	9.08	56.80	74.00	-17.20			Peak
5150.00	46.90	9.10	56.00	74.00	-18.00			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT20 Mode / Band 1 / External Antenna)

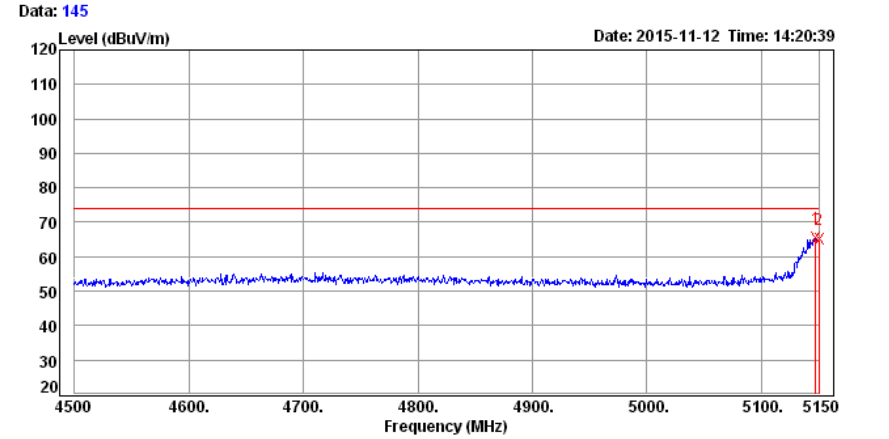


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	34.81	9.10	43.91	54.00	-10.09			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT20 Mode / Band 1 / External Antenna)

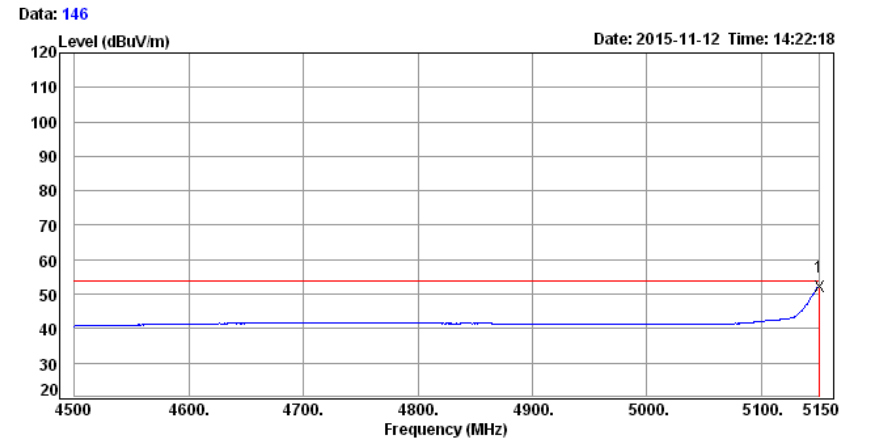


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5147.40	56.23	9.09	65.32	74.00	-8.68			Peak
5150.00	55.78	9.10	64.88	74.00	-9.12			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT20 Mode / Band 1 / External Antenna)

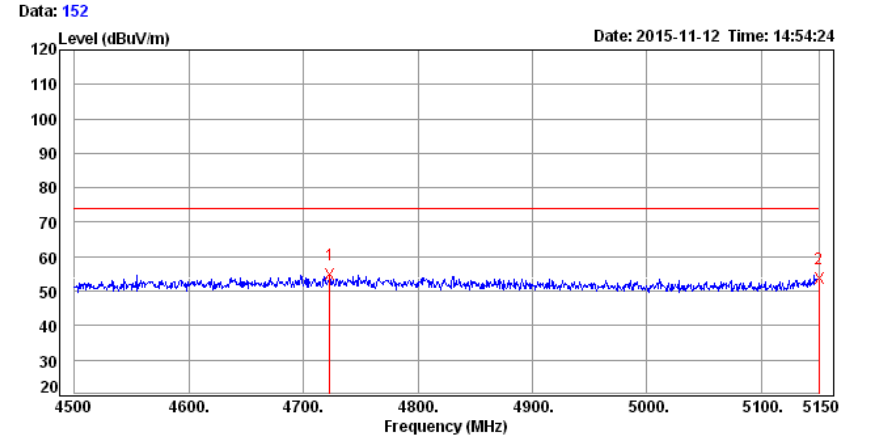


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	43.00	9.10	52.10	54.00	-1.90			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT40 Mode / Band 1 / External Antenna)

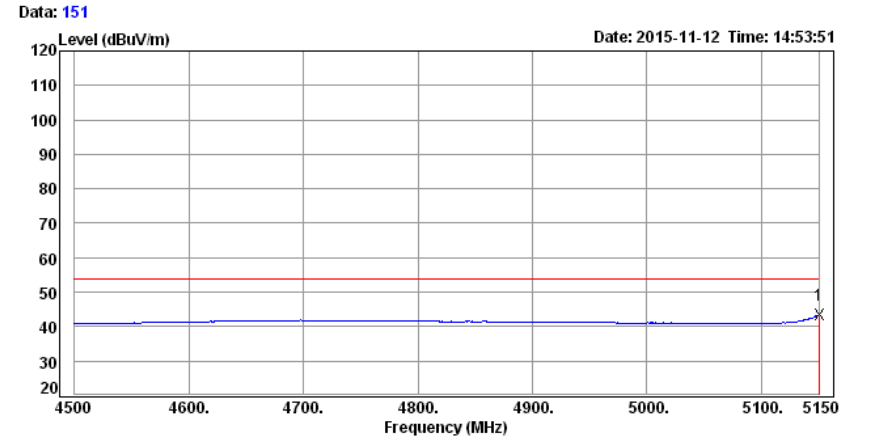


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4722.95	46.72	8.17	54.89	74.00	-19.11			Peak
5150.00	44.39	9.10	53.49	74.00	-20.51			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT40 Mode / Band 1 / External Antenna)

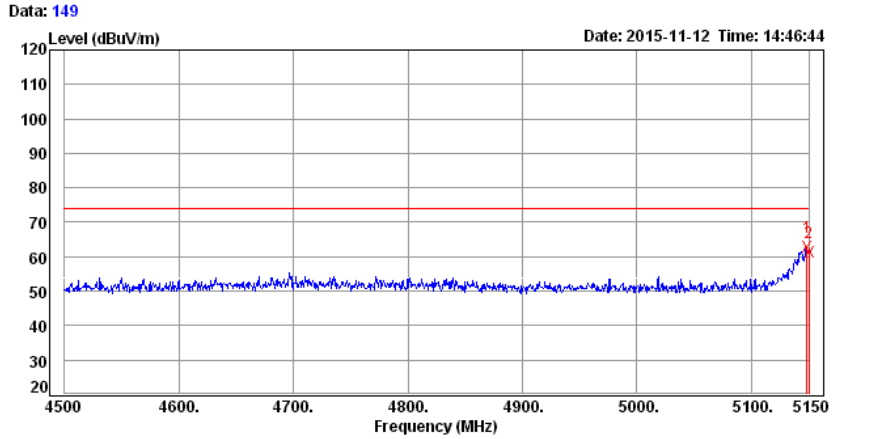


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	34.14	9.10	43.24	54.00	-10.76			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT40 Mode / Band 1 / External Antenna)

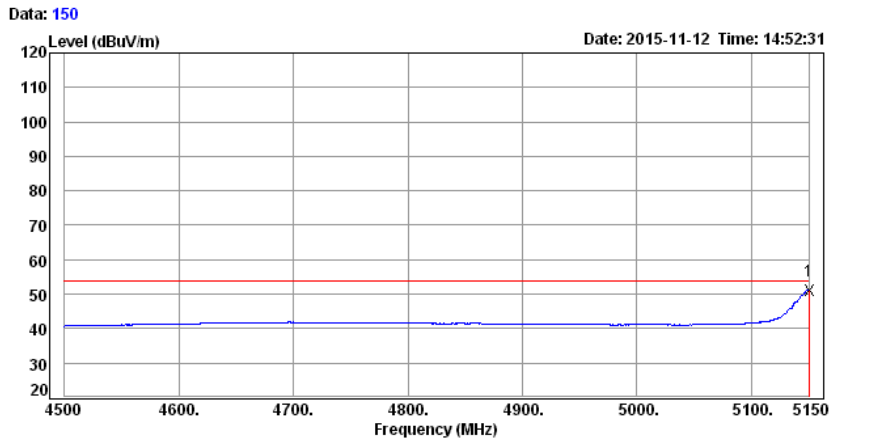


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5148.70	53.54	9.09	62.63	74.00	-11.37			Peak
5150.00	52.18	9.10	61.28	74.00	-12.72			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT40 Mode / Band 1 / External Antenna)

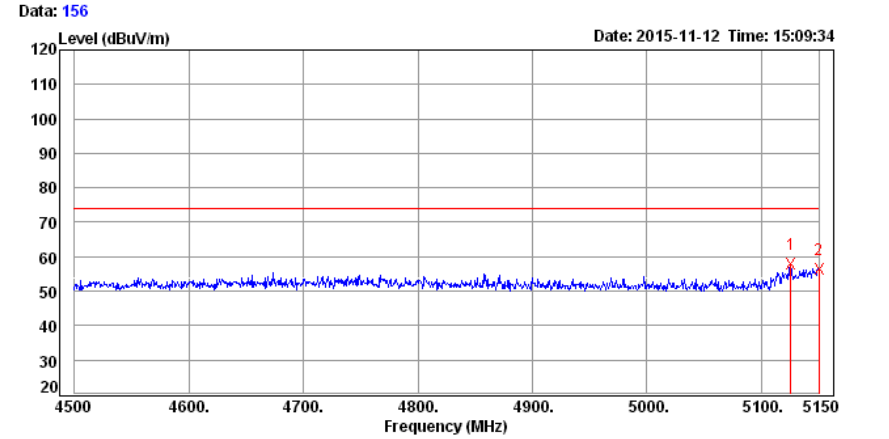


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	42.02	9.10	51.12	54.00	-2.88			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT80 Mode / Band 1 / External Antenna)

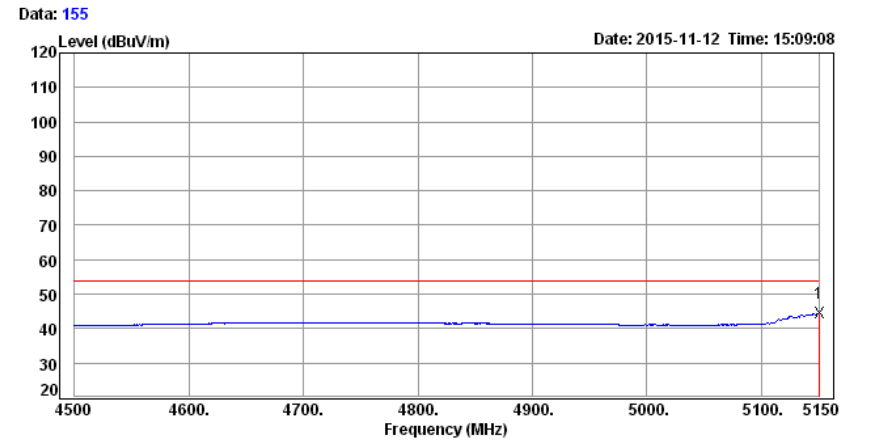


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5125.30	48.80	9.05	57.85	74.00	-16.15			Peak
5150.00	47.24	9.10	56.34	74.00	-17.66			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT80 Mode / Band 1 / External Antenna)

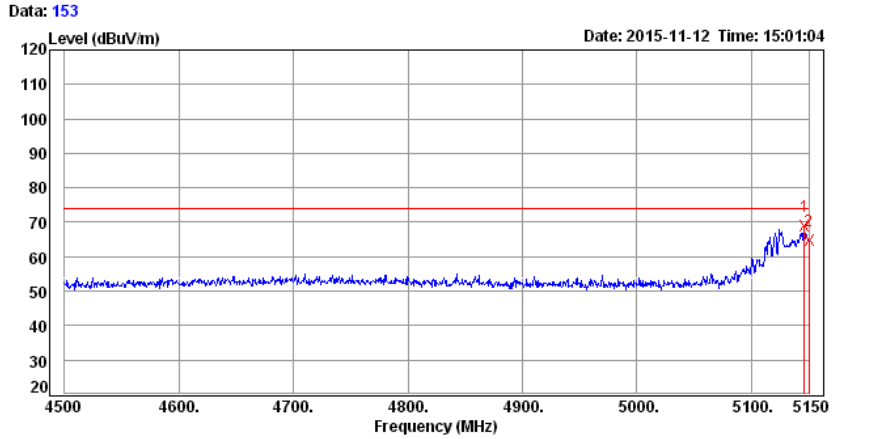


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	35.38	9.10	44.48	54.00	-9.52			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT80 Mode / Band 1 / External Antenna)

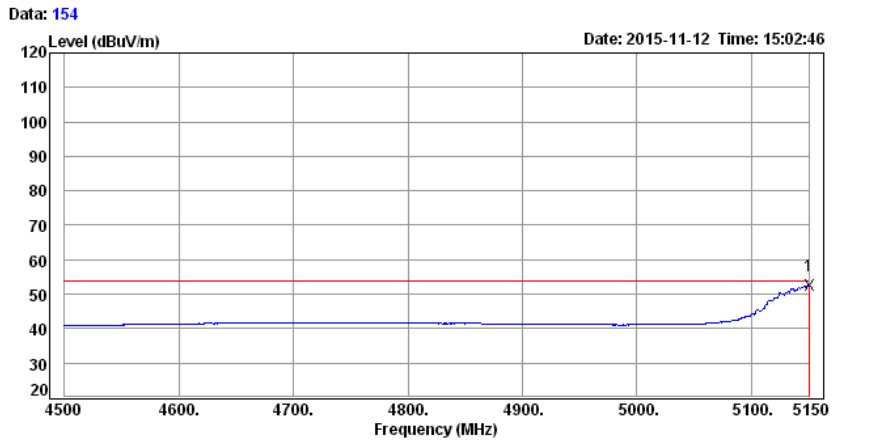


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5146.10	59.86	9.09	68.95	74.00	-5.05			Peak
5150.00	55.69	9.10	64.79	74.00	-9.21			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT80 Mode / Band 1 / External Antenna)

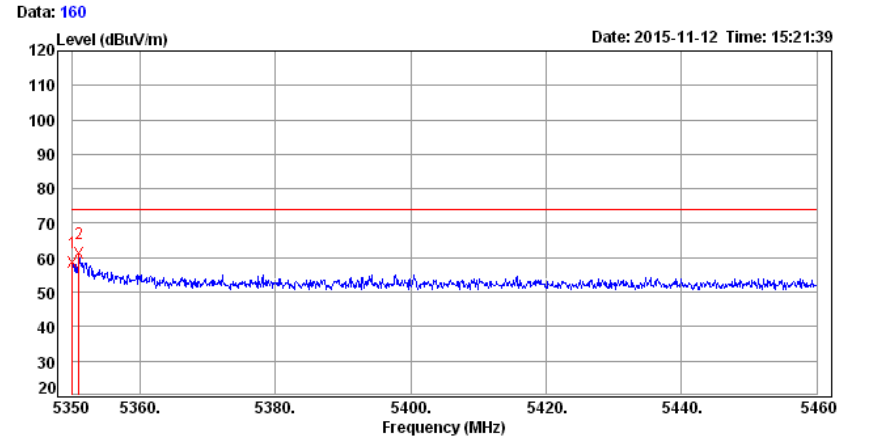


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	43.42	9.10	52.52	54.00	-1.48			Average

Detector Mode : Peak **Polarity : Horizontal**

CH High (IEEE 802.11a Mode / Band 2A / External Antenna)

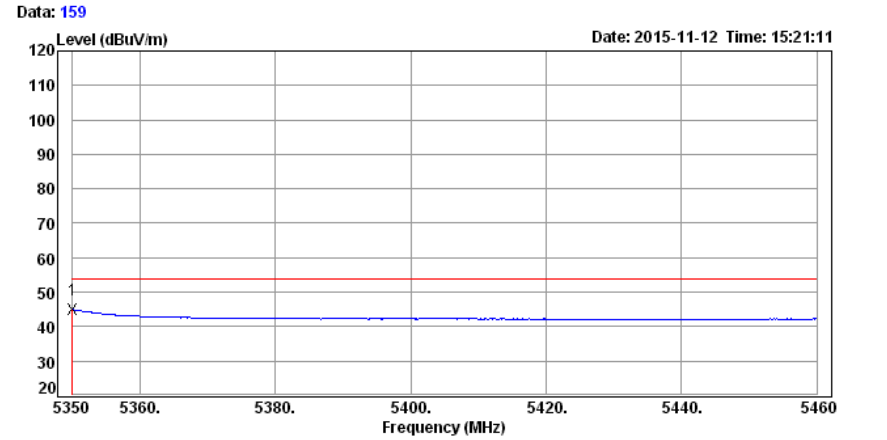


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	49.20	9.46	58.66	74.00	-15.34			Peak
5350.99	51.91	9.47	61.38	74.00	-12.62			Peak

Detector Mode : Average **Polarity : Horizontal**

CH High (IEEE 802.11a Mode / Band 2A / External Antenna)

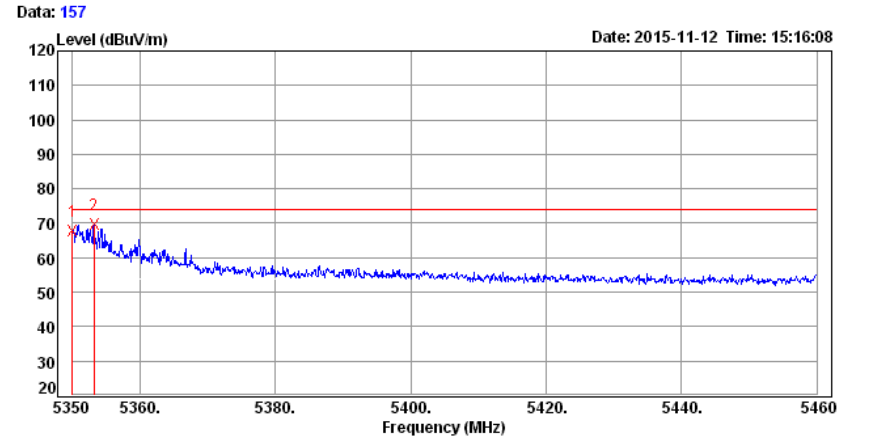


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	35.45	9.46	44.91	54.00	-9.09			Average

Detector Mode : Peak **Polarity : Vertical**

CH High (IEEE 802.11a Mode / Band 2A / External Antenna)

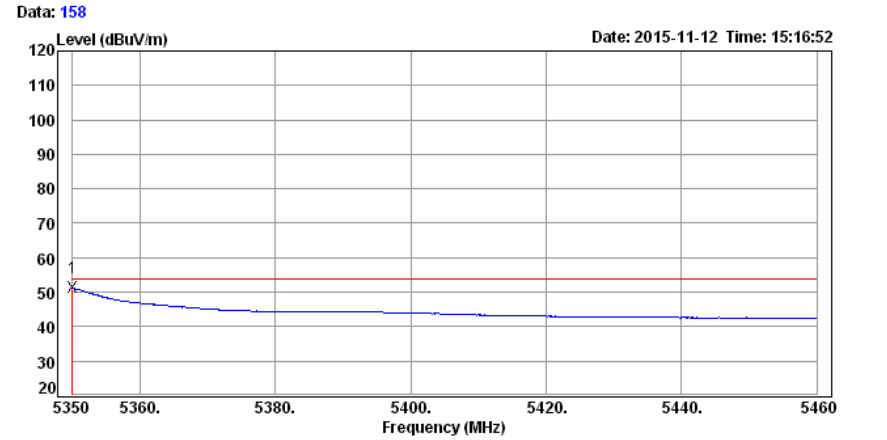


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	58.27	9.46	67.73	74.00	-6.27			Peak
5353.19	60.05	9.47	69.52	74.00	-4.48			Peak

Detector Mode : Average **Polarity : Vertical**

CH High (IEEE 802.11a Mode / Band 2A / External Antenna)

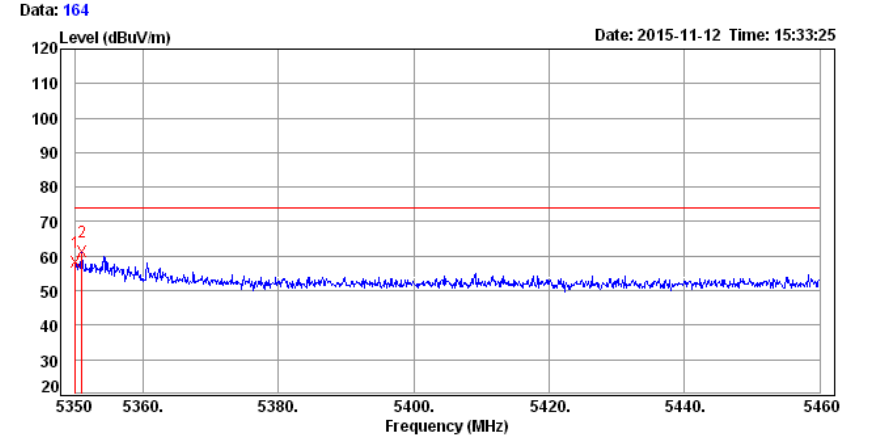


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	41.73	9.46	51.19	54.00	-2.81			Average

Detector Mode : Peak **Polarity : Horizontal**

CH High (IEEE 802.11ac VHT20 Mode / Band 2A / External Antenna)

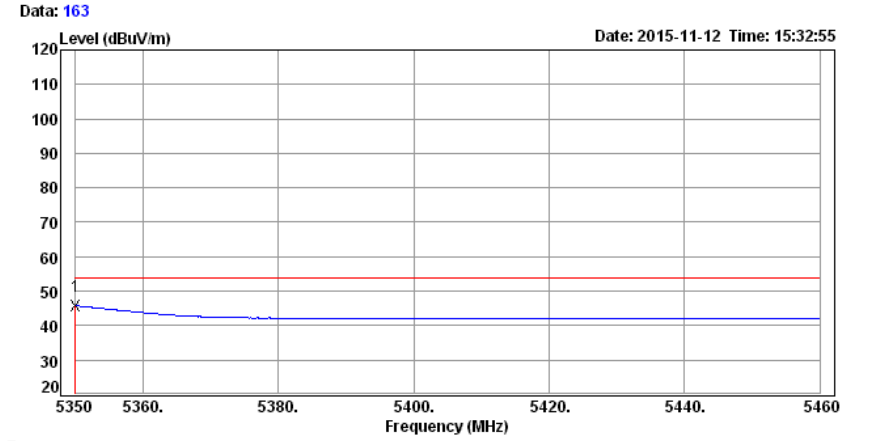


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	48.75	9.46	58.21	74.00	-15.79			Peak
5350.99	51.68	9.47	61.15	74.00	-12.85			Peak

Detector Mode : Average **Polarity : Horizontal**

CH High (IEEE 802.11ac VHT20 Mode / Band 2A / External Antenna)

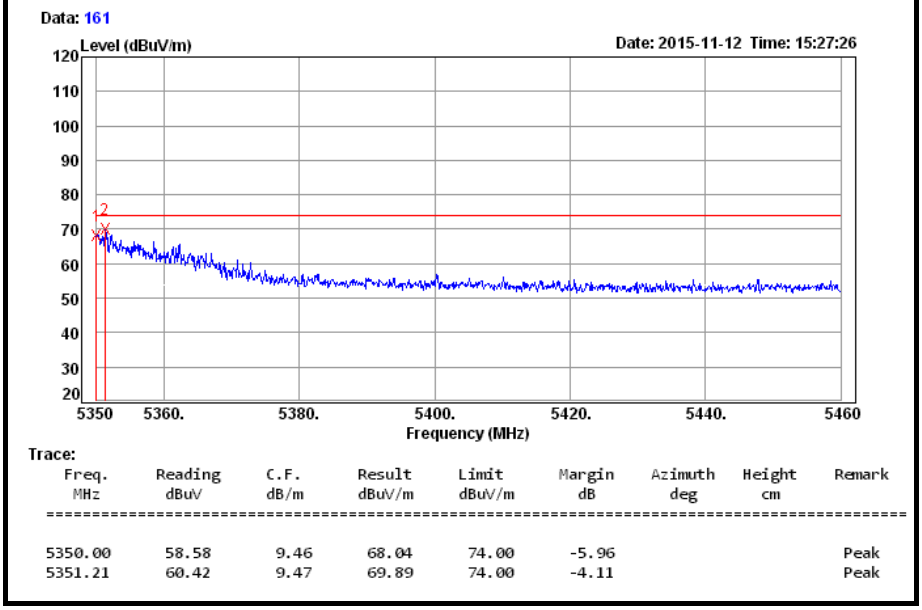


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	36.32	9.46	45.78	54.00	-8.22			Average

Detector Mode : Peak **Polarity : Vertical**

CH High (IEEE 802.11ac VHT20 Mode / Band 2A / External Antenna)

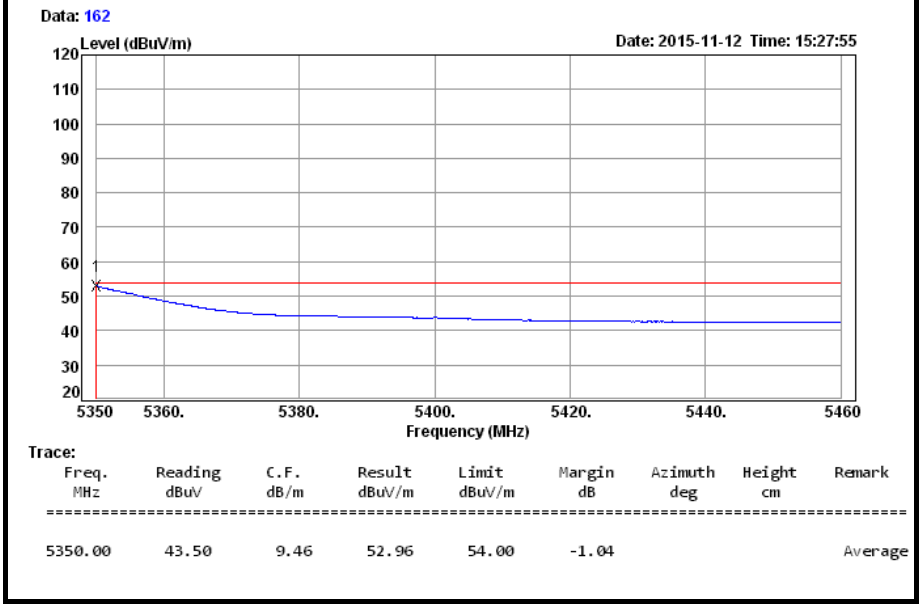


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	58.58	9.46	68.04	74.00	-5.96			Peak
5351.21	60.42	9.47	69.89	74.00	-4.11			Peak

Detector Mode : Average **Polarity : Vertical**

CH High (IEEE 802.11ac VHT20 Mode / Band 2A / External Antenna)

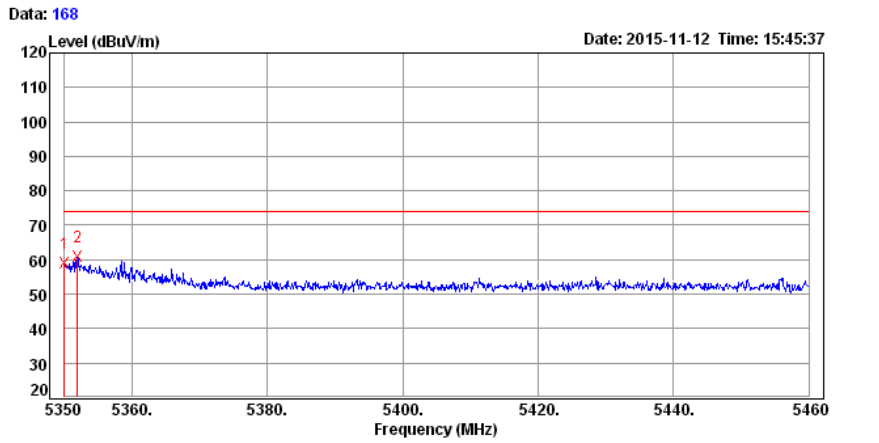


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	43.50	9.46	52.96	54.00	-1.04			Average

Detector Mode : Peak **Polarity : Horizontal**

CH High (IEEE 802.11ac VHT40 Mode / Band 2A / External Antenna)

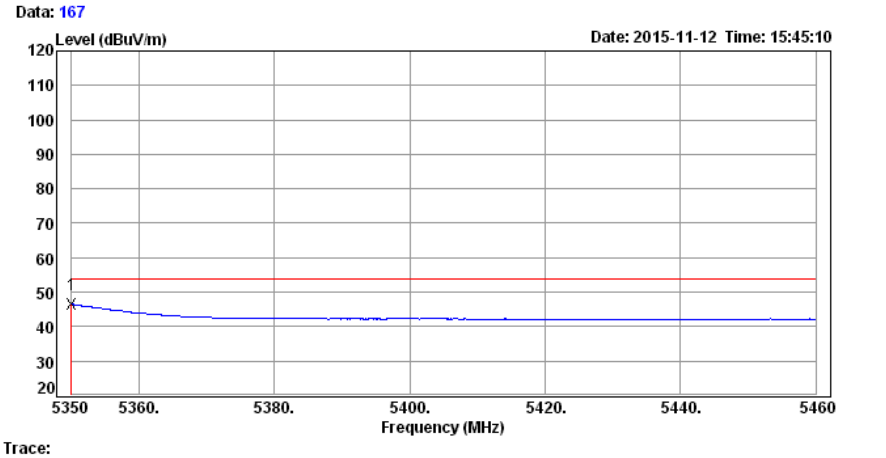


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	49.68	9.46	59.14	74.00	-14.86			Peak
5351.87	51.29	9.47	60.76	74.00	-13.24			Peak

Detector Mode : Average **Polarity : Horizontal**

CH High (IEEE 802.11ac VHT40 Mode / Band 2A / External Antenna)

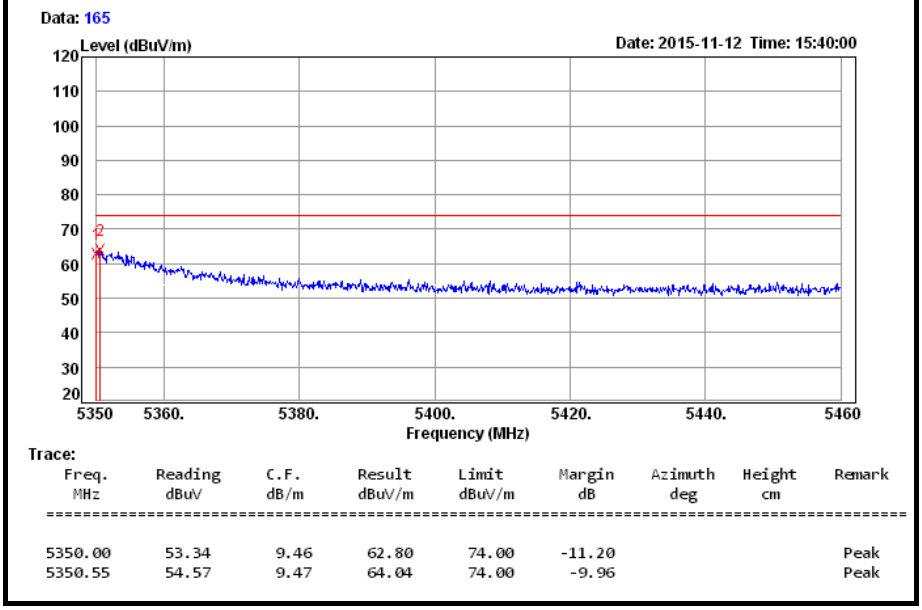


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	37.04	9.46	46.50	54.00	-7.50			Average

Detector Mode : Peak **Polarity : Vertical**

CH High (IEEE 802.11ac VHT40 Mode / Band 2A / External Antenna)

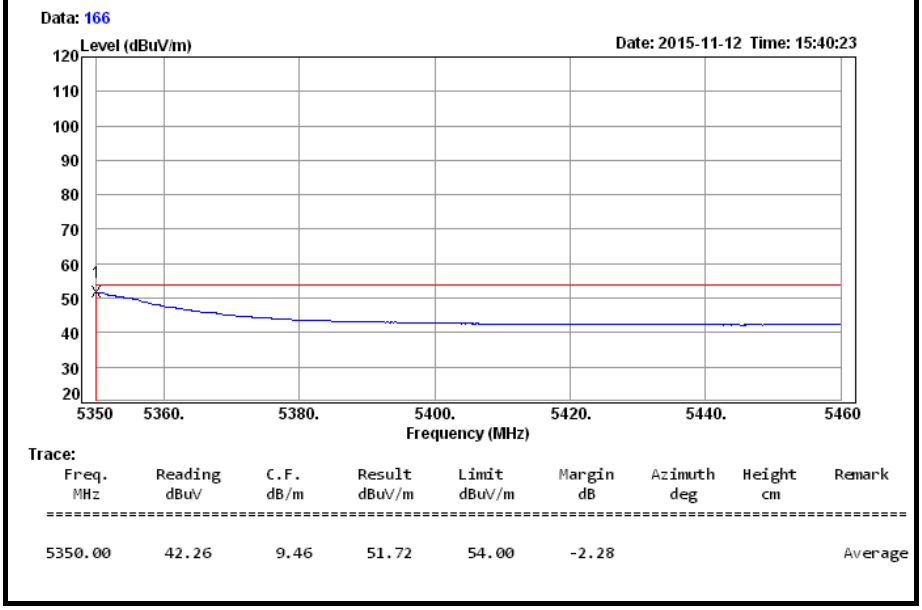


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	53.34	9.46	62.80	74.00	-11.20			Peak
5350.55	54.57	9.47	64.04	74.00	-9.96			Peak

Detector Mode : Average **Polarity : Vertical**

CH High (IEEE 802.11ac VHT40 Mode / Band 2A / External Antenna)

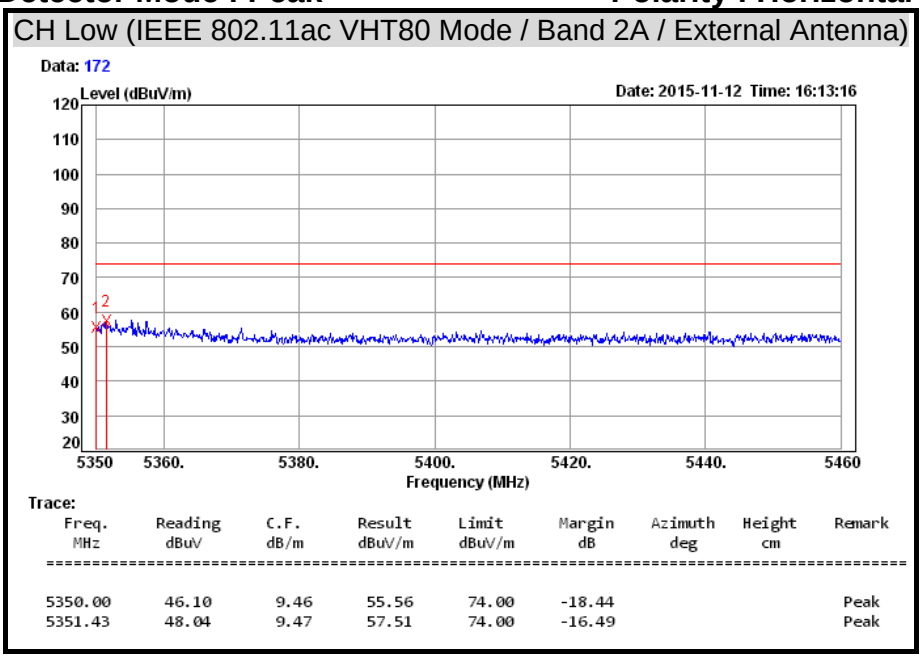


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	42.26	9.46	51.72	54.00	-2.28			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2A / External Antenna)

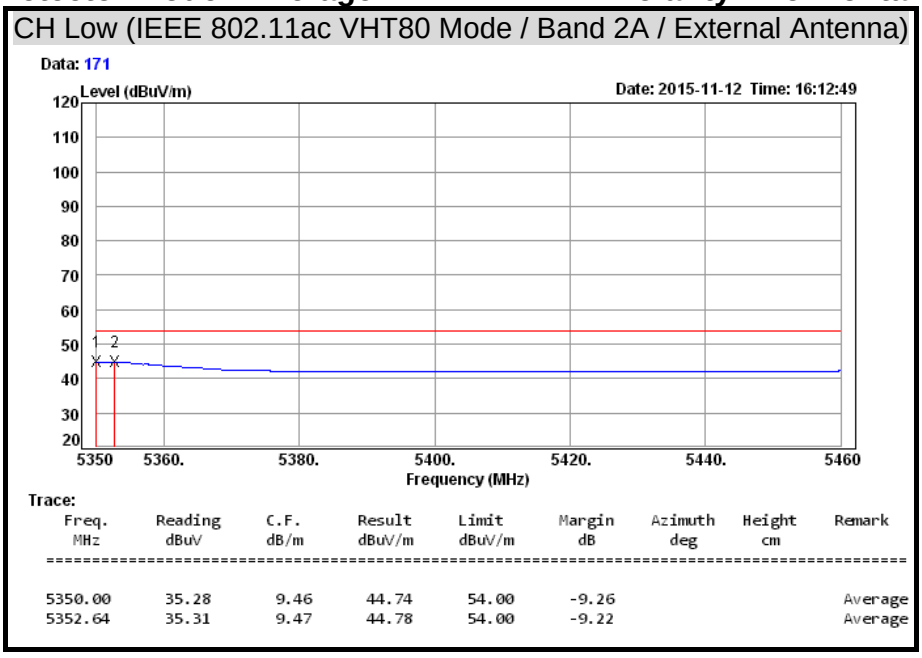


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	46.10	9.46	55.56	74.00	-18.44			Peak
5351.43	48.04	9.47	57.51	74.00	-16.49			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2A / External Antenna)

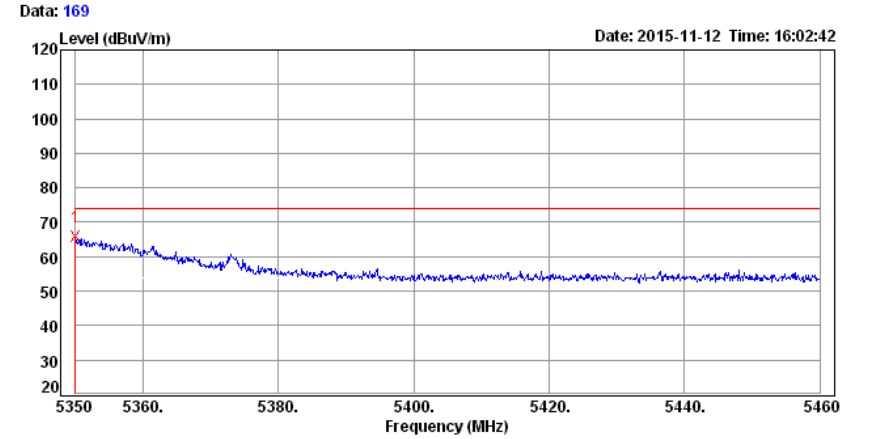


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	35.28	9.46	44.74	54.00	-9.26			Average
5352.64	35.31	9.47	44.78	54.00	-9.22			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2A / External Antenna)

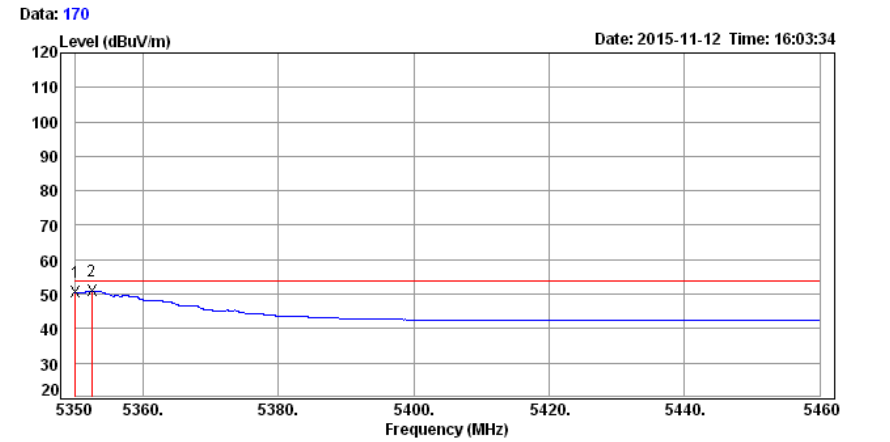


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	56.47	9.46	65.93	74.00	-8.07			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2A / External Antenna)

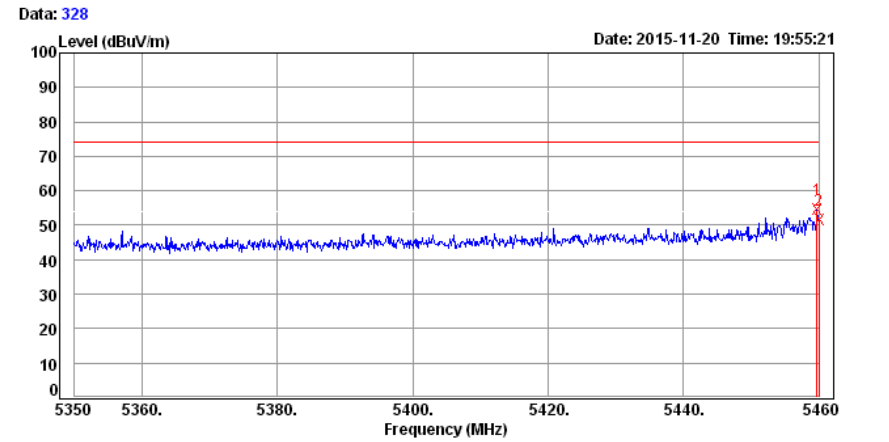


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	41.15	9.46	50.61	54.00	-3.39			Average
5352.42	41.48	9.47	50.95	54.00	-3.05			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11a Mode / Band 2C / External Antenna)

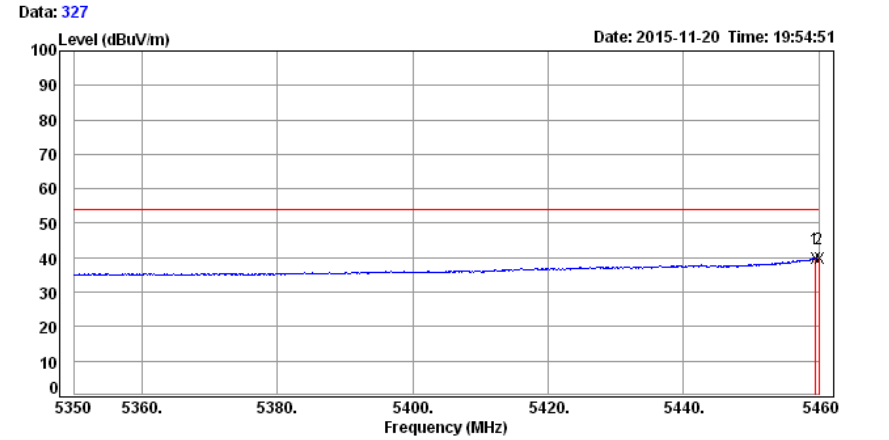


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5459.78	44.72	9.67	54.39	74.00	-19.61			Peak
5460.00	41.94	9.67	51.61	74.00	-22.39			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11a Mode / Band 2C / External Antenna)

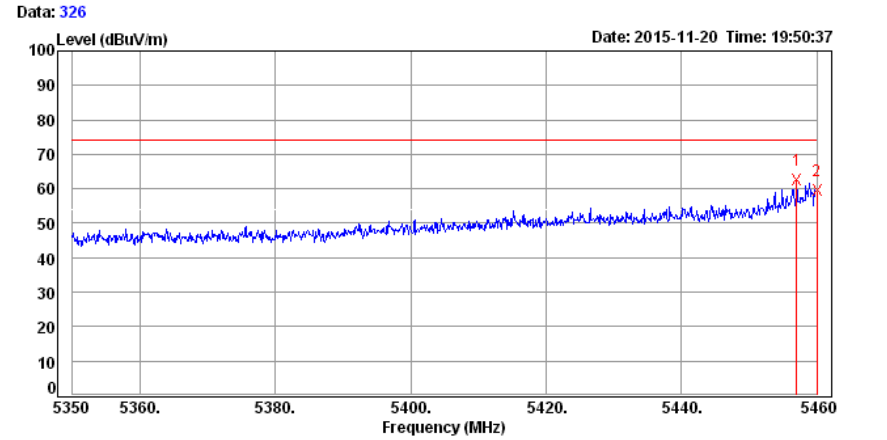


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5459.45	30.25	9.67	39.92	54.00	-14.08			Average
5460.00	30.11	9.67	39.78	54.00	-14.22			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11a Mode / Band 2C / External Antenna)

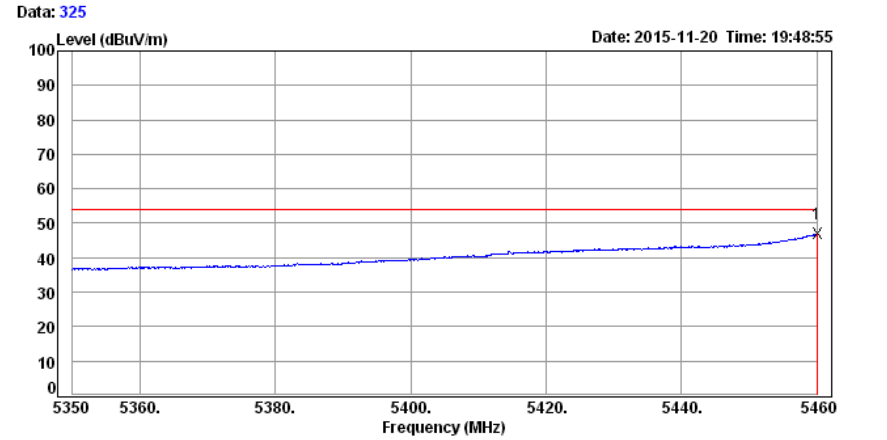


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5457.03	52.92	9.66	62.58	74.00	-11.42			Peak
5460.00	49.65	9.67	59.32	74.00	-14.68			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11a Mode / Band 2C / External Antenna)

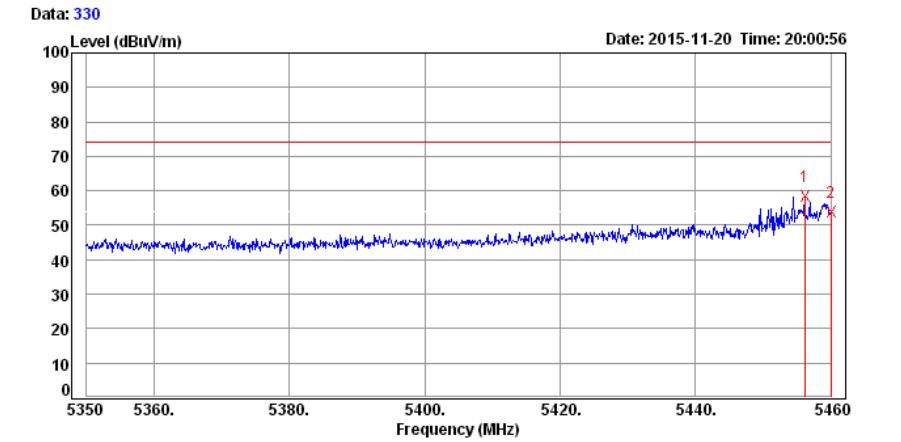


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5460.00	37.34	9.67	47.01	54.00	-6.99			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT20 Mode / Band 2C / External Antenna)

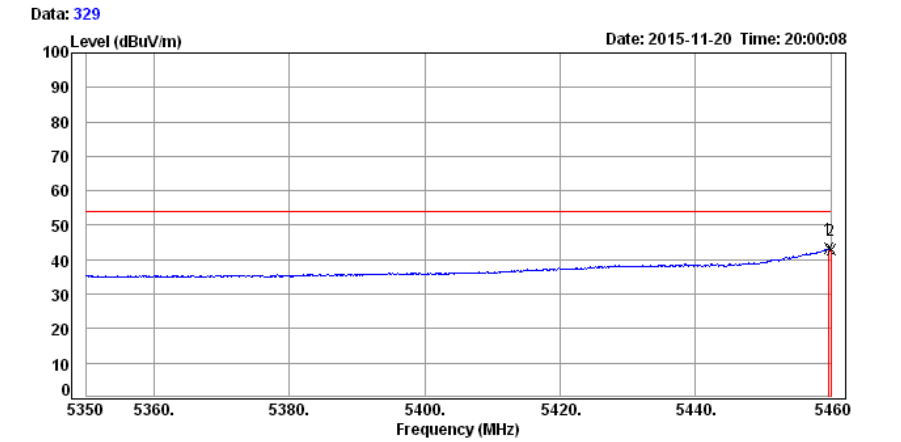


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5456.15	48.79	9.66	58.45	74.00	-15.55			Peak
5460.00	44.32	9.67	53.99	74.00	-20.01			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT20 Mode / Band 2C / External Antenna)

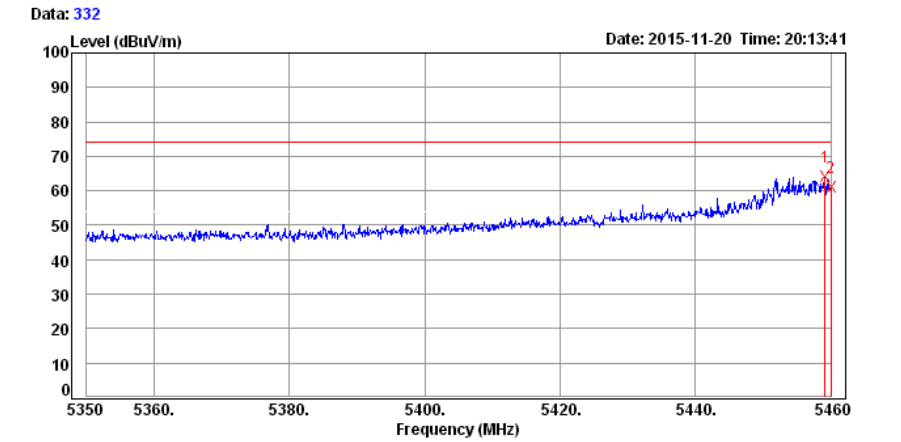


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5459.67	33.48	9.67	43.15	54.00	-10.85			Average
5460.00	33.22	9.67	42.89	54.00	-11.11			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT20 Mode / Band 2C / External Antenna)

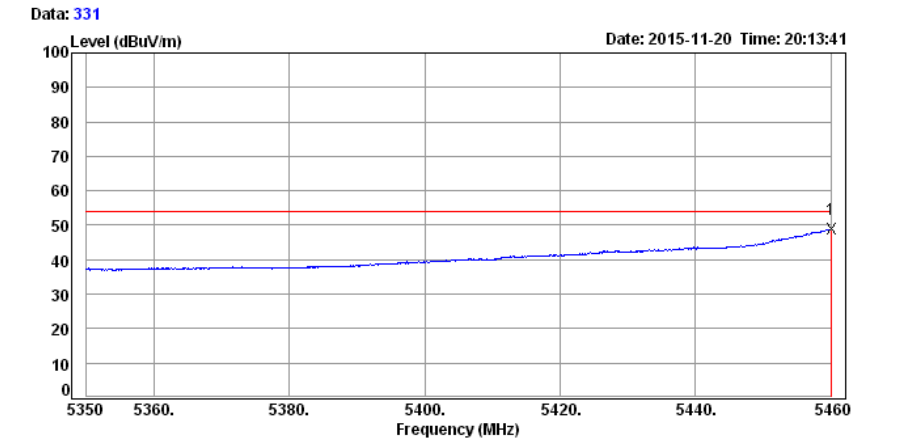


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5459.12	54.23	9.66	63.89	74.00	-10.11			Peak
5460.00	51.42	9.67	61.09	74.00	-12.91			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT20 Mode / Band 2C / External Antenna)

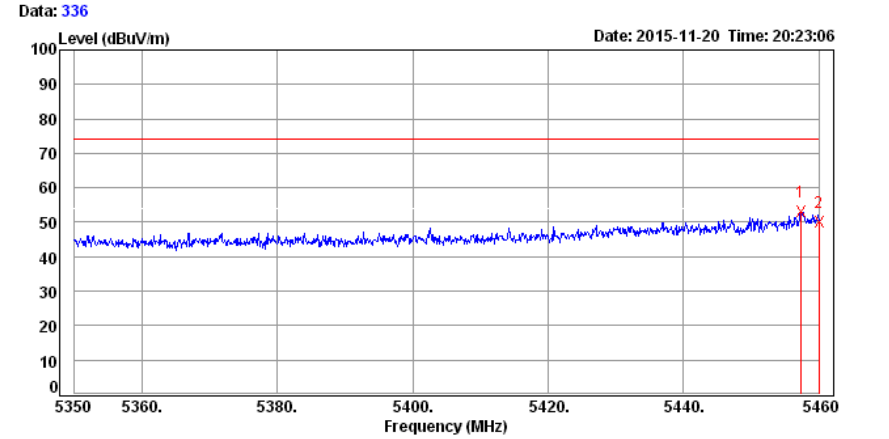


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5460.00	39.07	9.67	48.74	54.00	-5.26			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT40 Mode / Band 2C / External Antenna)

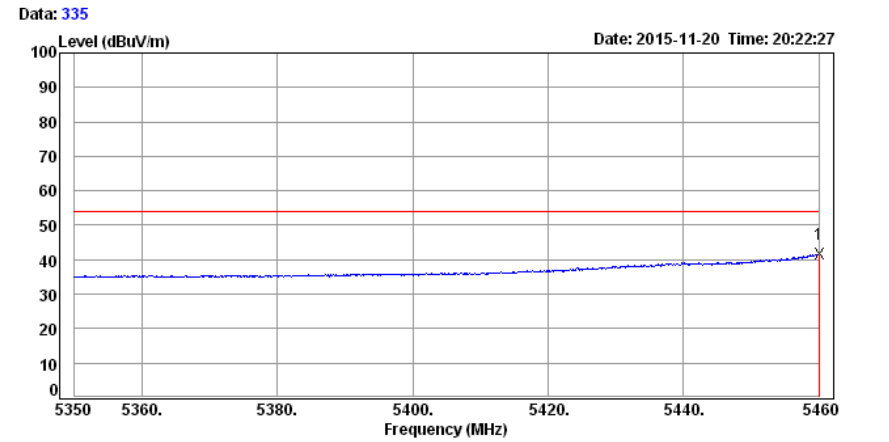


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5457.36	43.44	9.66	53.10	74.00	-20.90			Peak
5460.00	40.47	9.67	50.14	74.00	-23.86			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT40 Mode / Band 2C / External Antenna)

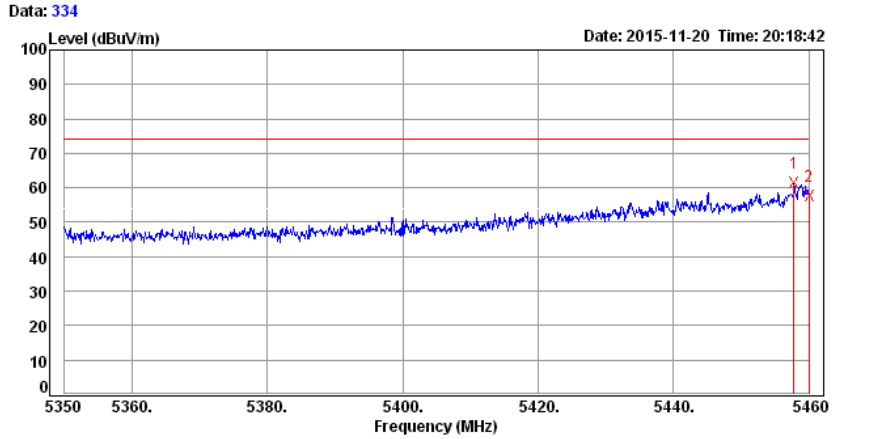


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5460.00	31.94	9.67	41.61	54.00	-12.39			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT40 Mode / Band 2C / External Antenna)

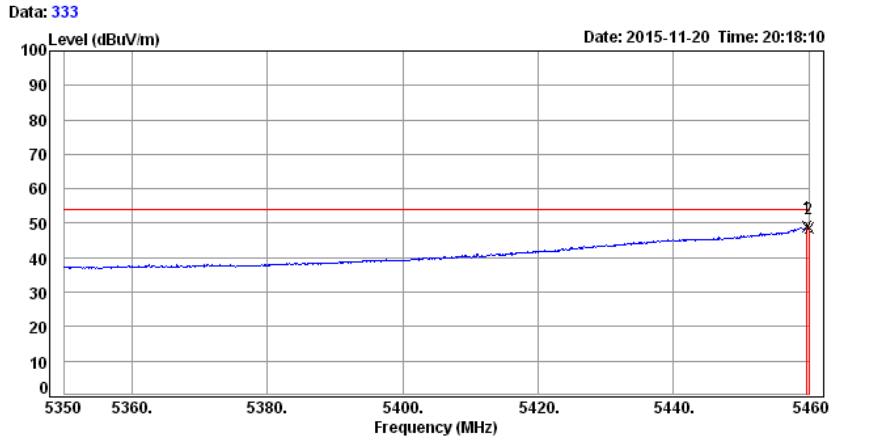


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5457.80	51.71	9.66	61.37	74.00	-12.63			Peak
5460.00	47.77	9.67	57.44	74.00	-16.56			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT40 Mode / Band 2C / External Antenna)

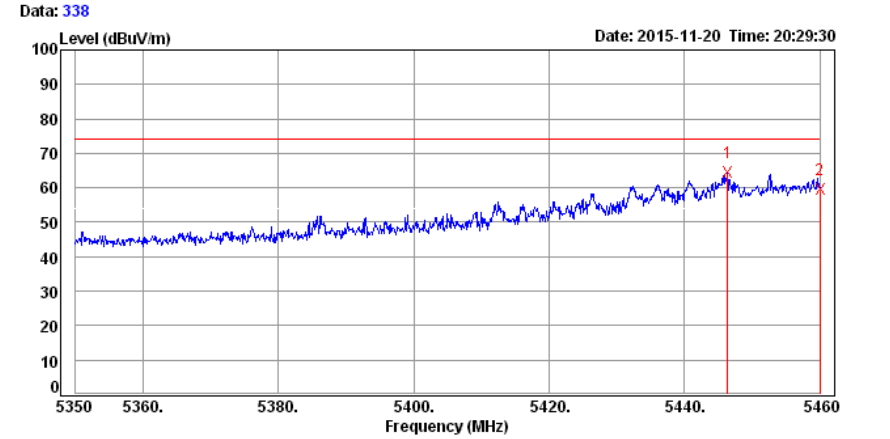


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5459.78	39.36	9.67	49.03	54.00	-4.97			Average
5460.00	38.91	9.67	48.58	54.00	-5.42			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2C / External Antenna)

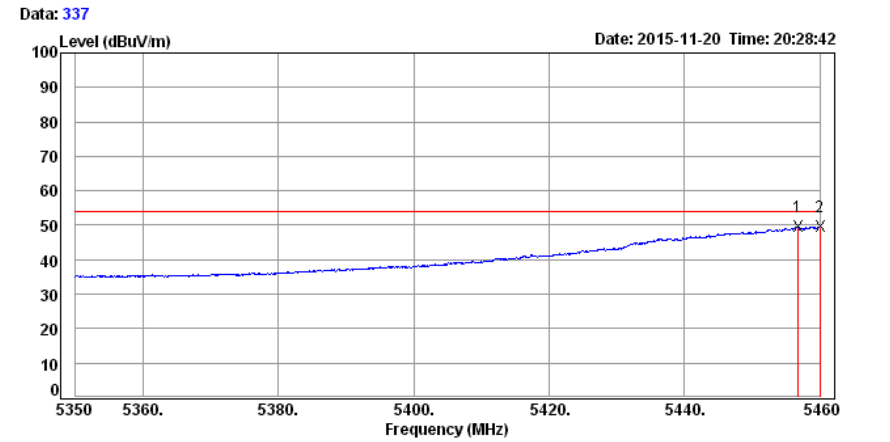


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5446.36	54.63	9.64	64.27	74.00	-9.73			Peak
5460.00	49.83	9.67	59.50	74.00	-14.50			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2C / External Antenna)

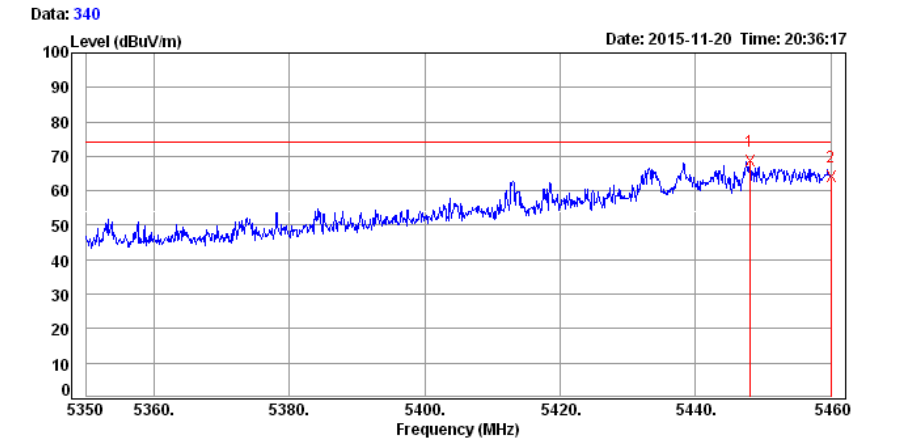


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5456.70	39.93	9.66	49.59	54.00	-4.41			Average
5460.00	39.92	9.67	49.59	54.00	-4.41			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2C / External Antenna)

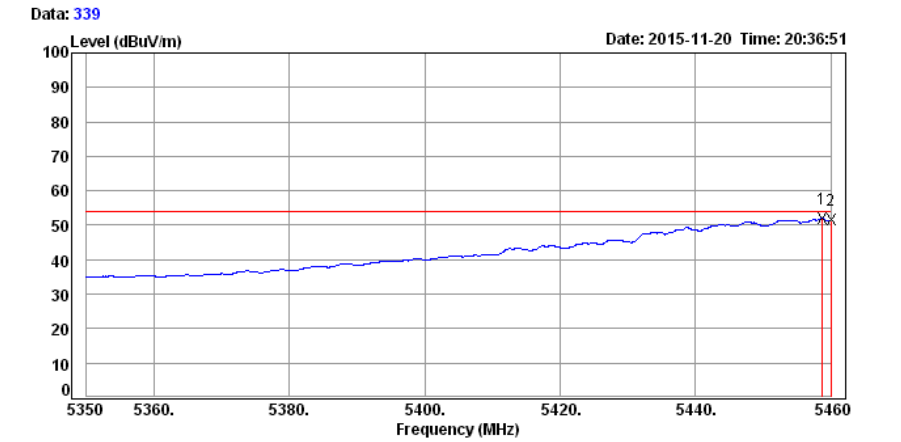


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5448.01	59.12	9.64	68.76	74.00	-5.24			Peak
5460.00	54.38	9.67	64.05	74.00	-9.95			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2C / External Antenna)

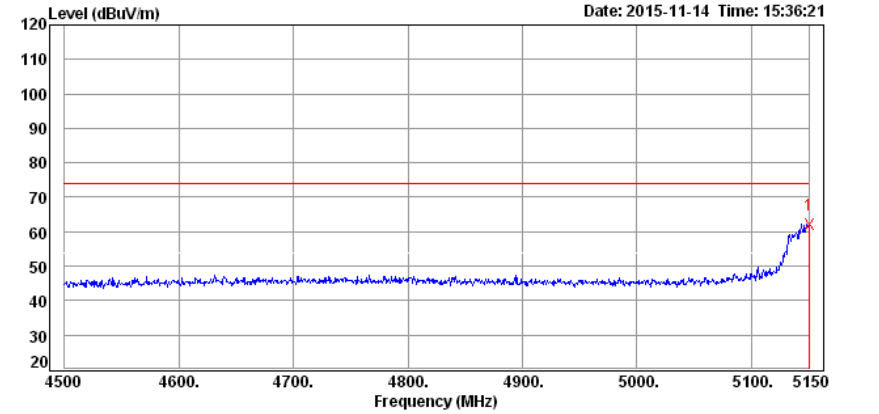


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5458.68	42.37	9.66	52.03	54.00	-1.97			Average
5460.00	41.69	9.67	51.36	54.00	-2.64			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11a Mode / Band 1 / Internal Antenna)

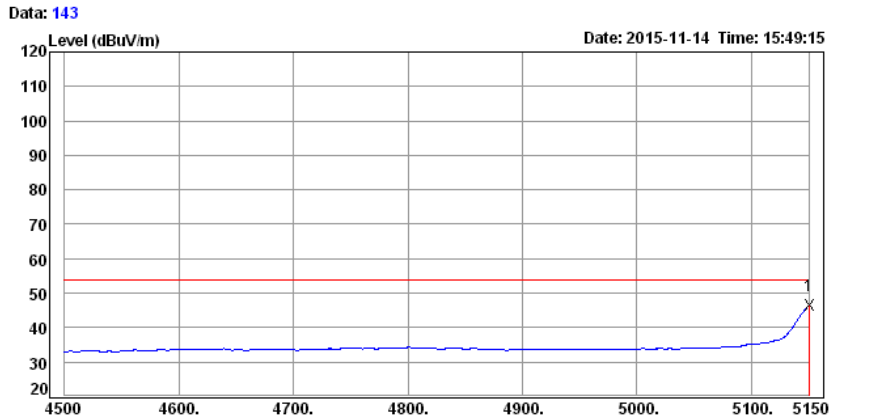


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	53.03	9.10	62.13	74.00	-11.87			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11a Mode / Band 1 / Internal Antenna)

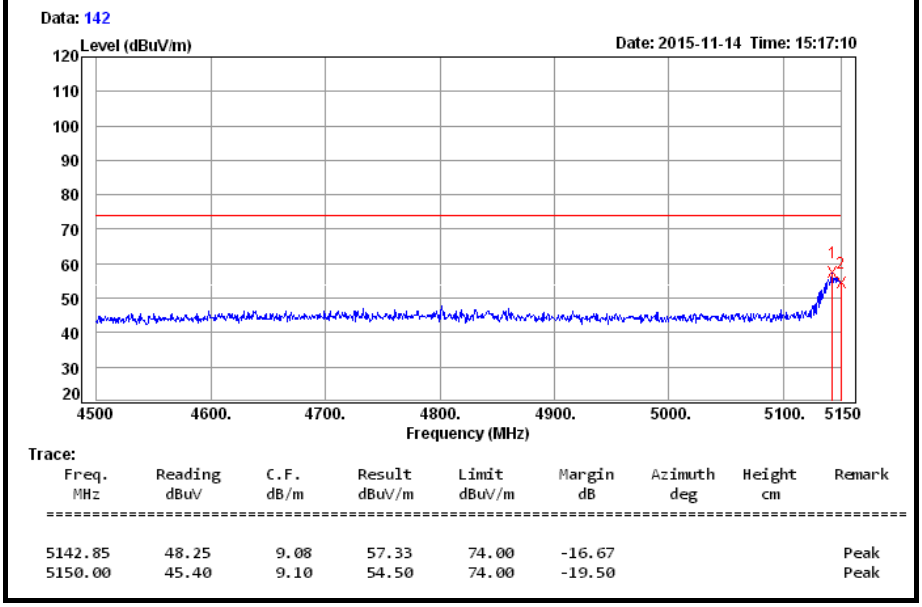


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	37.41	9.10	46.51	54.00	-7.49			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11a Mode / Band 1 / Internal Antenna)

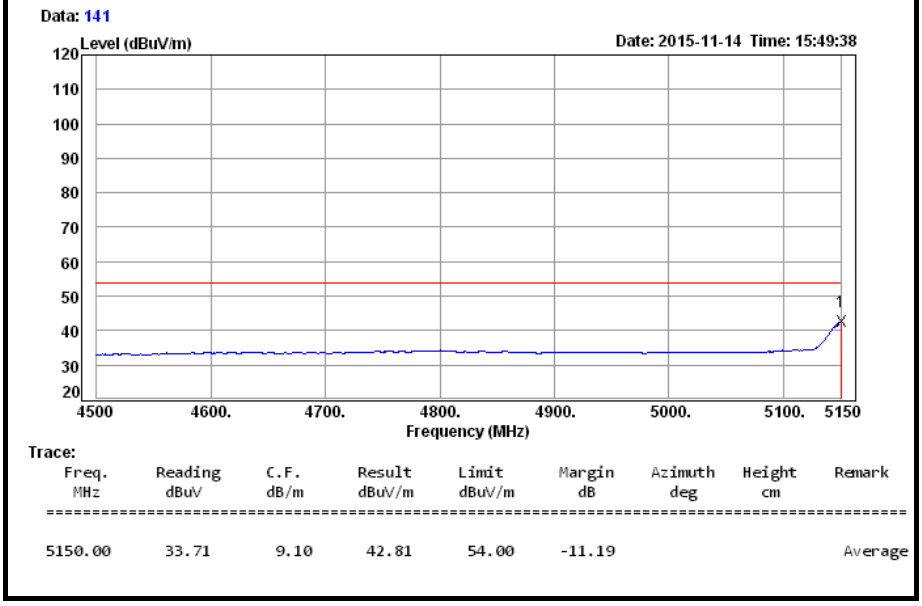


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5142.85	48.25	9.08	57.33	74.00	-16.67			Peak
5150.00	45.40	9.10	54.50	74.00	-19.50			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11a Mode / Band 1 / Internal Antenna)

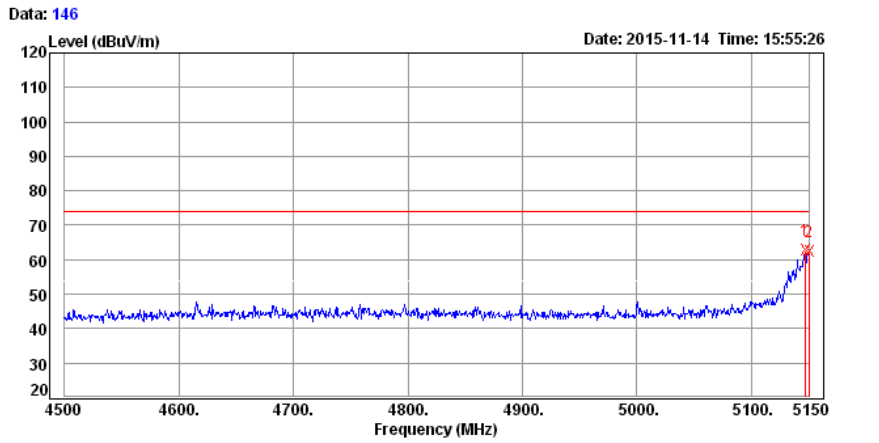


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	33.71	9.10	42.81	54.00	-11.19			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT20 Mode / Band 1 / Internal Antenna)

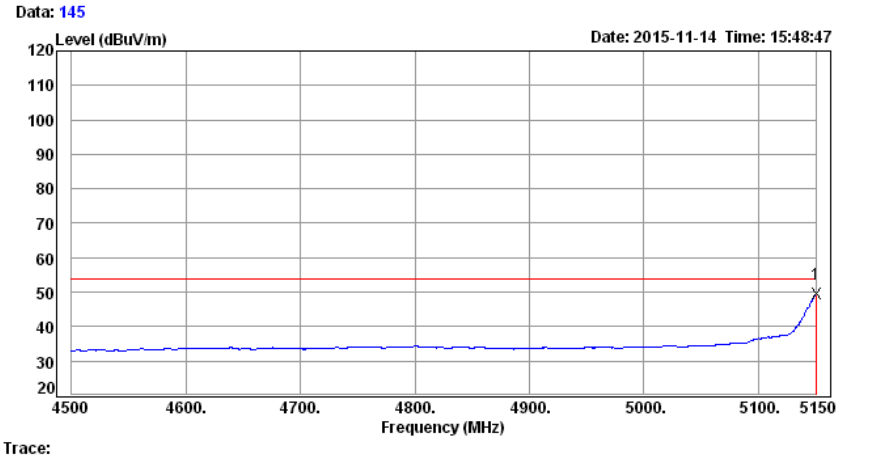


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5146.75	53.58	9.09	62.67	74.00	-11.33			Peak
5150.00	53.14	9.10	62.24	74.00	-11.76			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT20 Mode / Band 1 / Internal Antenna)

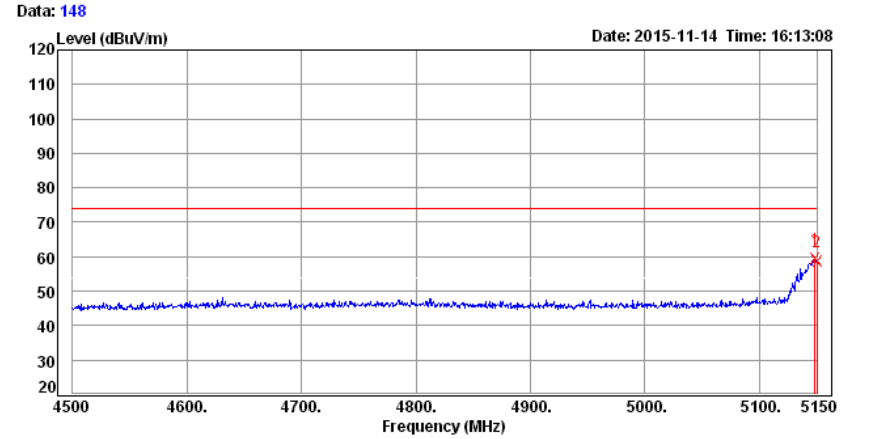


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	40.31	9.10	49.41	54.00	-4.59			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT20 Mode / Band 1 / Internal Antenna)

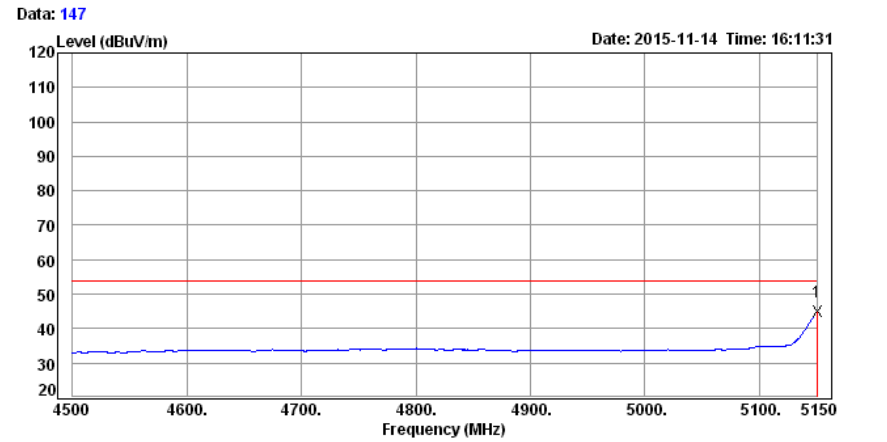


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5148.70	50.32	9.09	59.41	74.00	-14.59			Peak
5150.00	49.36	9.10	58.46	74.00	-15.54			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT20 Mode / Band 1 / Internal Antenna)

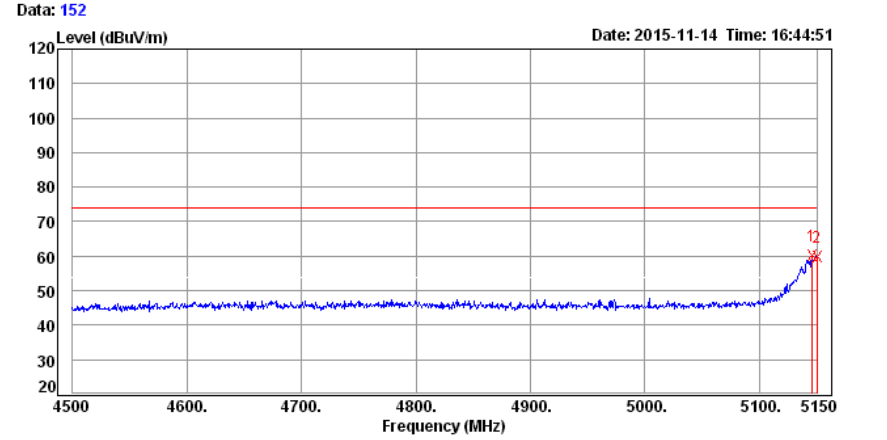


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	35.87	9.10	44.97	54.00	-9.03			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT40 Mode / Band 1 / Internal Antenna)

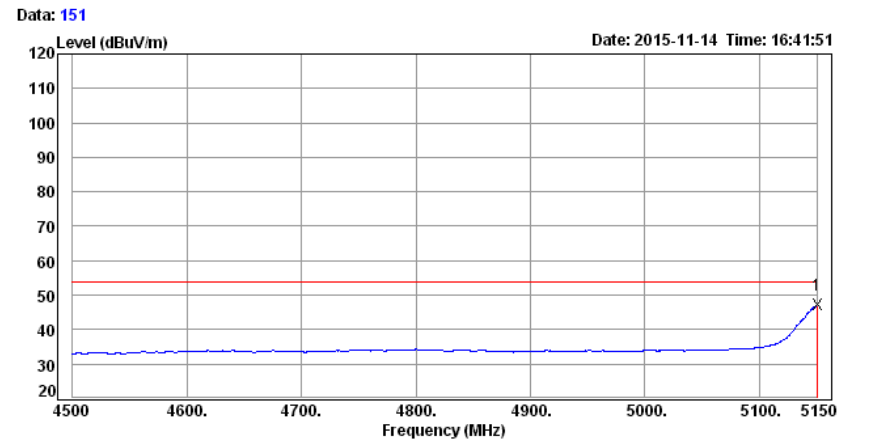


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5145.45	51.10	9.09	60.19	74.00	-13.81			Peak
5150.00	50.67	9.10	59.77	74.00	-14.23			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT40 Mode / Band 1 / Internal Antenna)

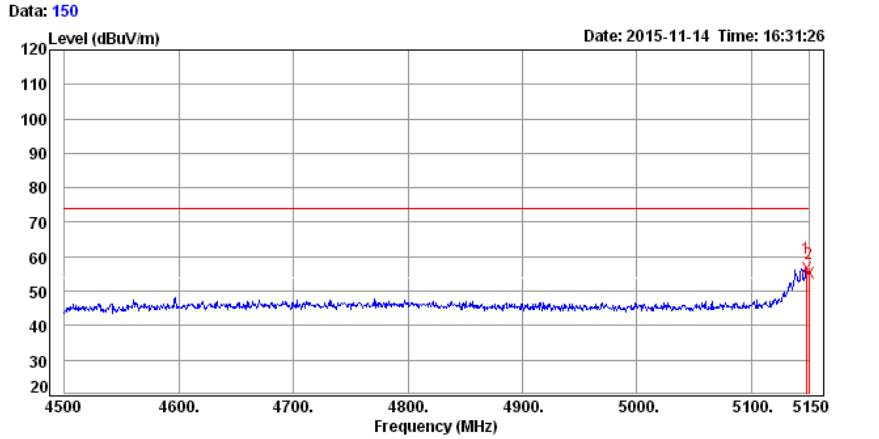


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	38.01	9.10	47.11	54.00	-6.89			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT40 Mode / Band 1 / Internal Antenna)

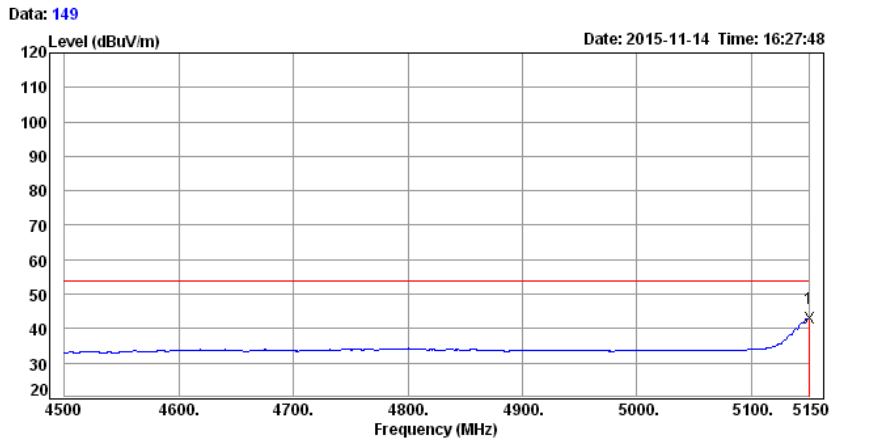


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5148.05	47.53	9.09	56.62	74.00	-17.38			Peak
5150.00	46.10	9.10	55.20	74.00	-18.80			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT40 Mode / Band 1 / Internal Antenna)

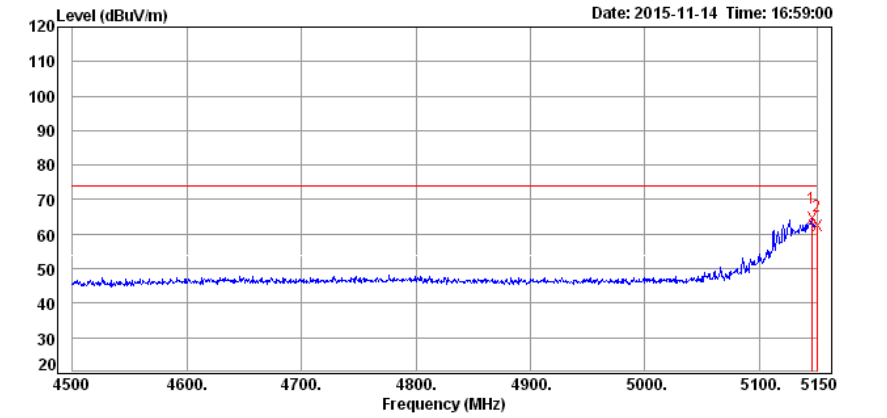


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	33.74	9.10	42.84	54.00	-11.16			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT80 Mode / Band 1 / Internal Antenna)

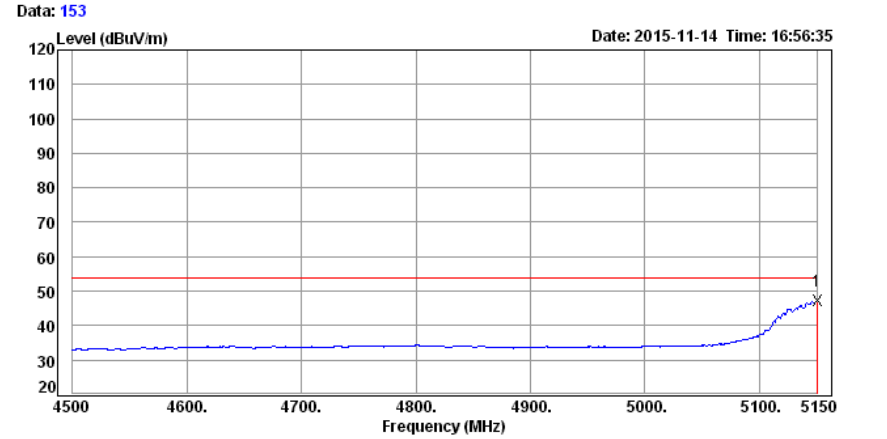


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5145.45	55.45	9.09	64.54	74.00	-9.46			Peak
5150.00	53.24	9.10	62.34	74.00	-11.66			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT80 Mode / Band 1 / Internal Antenna)

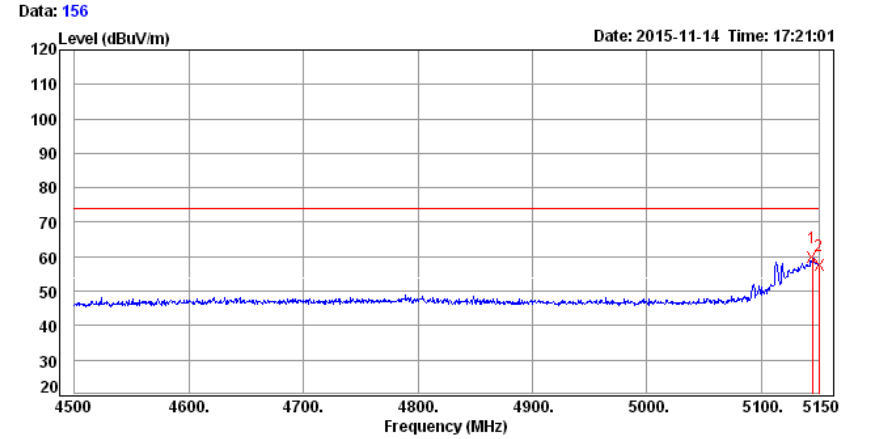


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	38.07	9.10	47.17	54.00	-6.83			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT80 Mode / Band 1 / Internal Antenna)

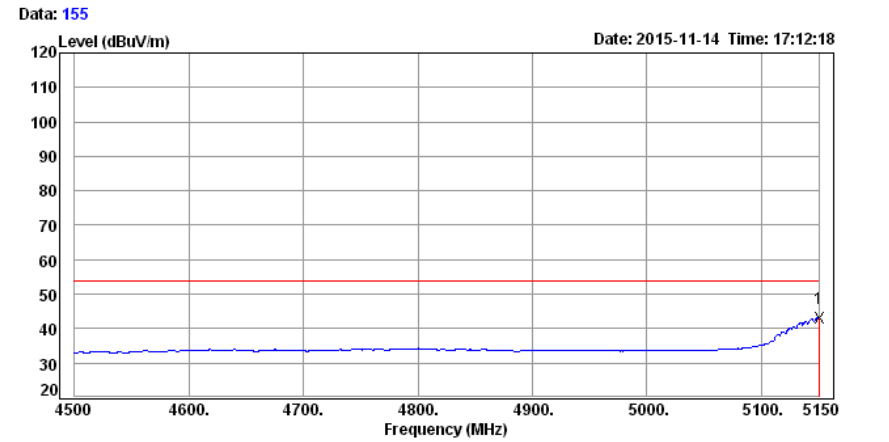


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5144.15	50.62	9.09	59.71	74.00	-14.29			Peak
5150.00	48.31	9.10	57.41	74.00	-16.59			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT80 Mode / Band 1 / Internal Antenna)

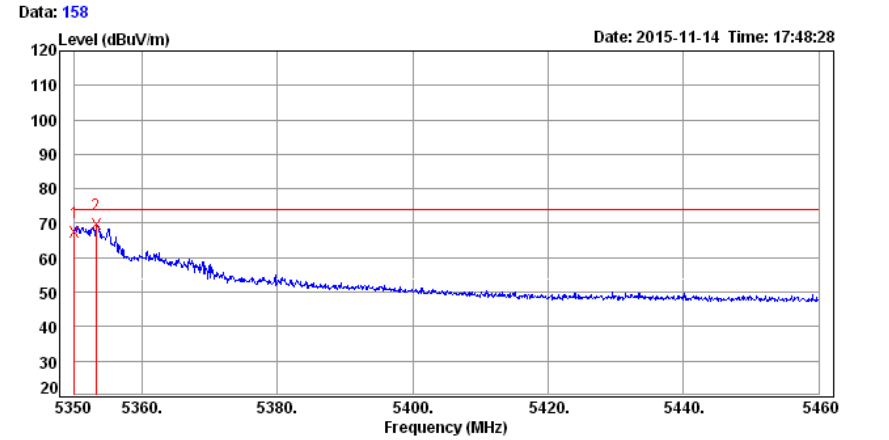


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5150.00	33.95	9.10	43.05	54.00	-10.95			Average

Detector Mode : Peak **Polarity : Horizontal**

CH High (IEEE 802.11a Mode / Band 2A / Internal Antenna)

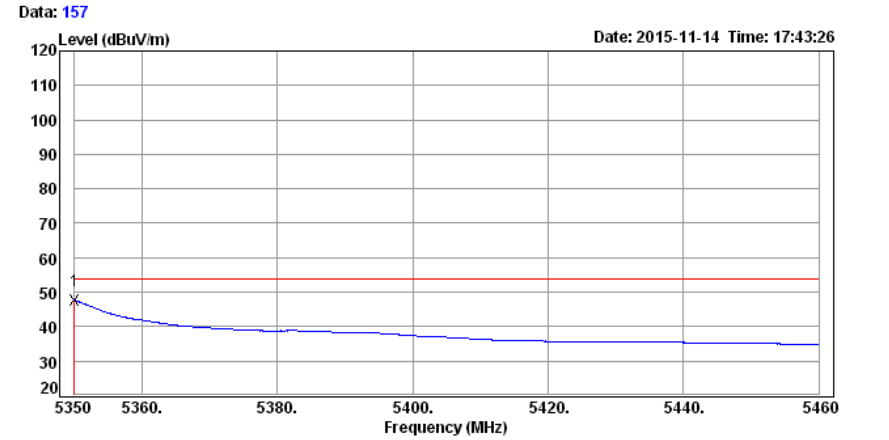


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	57.79	9.46	67.25	74.00	-6.75			Peak
5353.19	60.30	9.47	69.77	74.00	-4.23			Peak

Detector Mode : Average **Polarity : Horizontal**

CH High (IEEE 802.11a Mode / Band 2A / Internal Antenna)

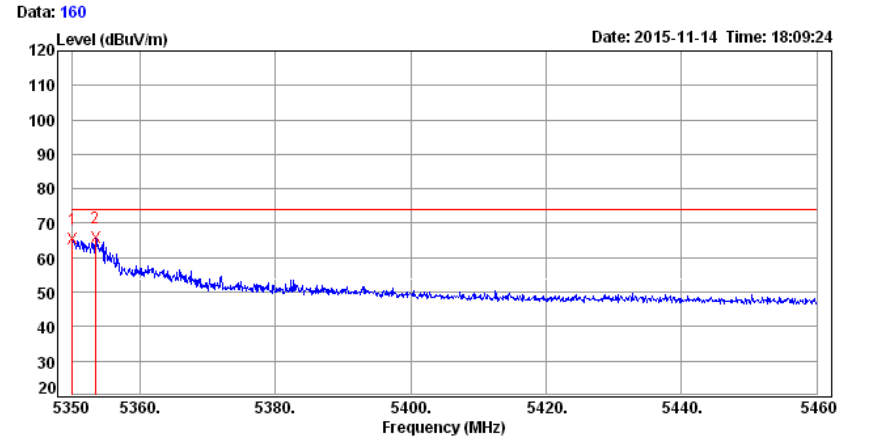


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	38.28	9.46	47.74	54.00	-6.26			Average

Detector Mode : Peak **Polarity : Vertical**

CH High (IEEE 802.11a Mode / Band 2A / Internal Antenna)

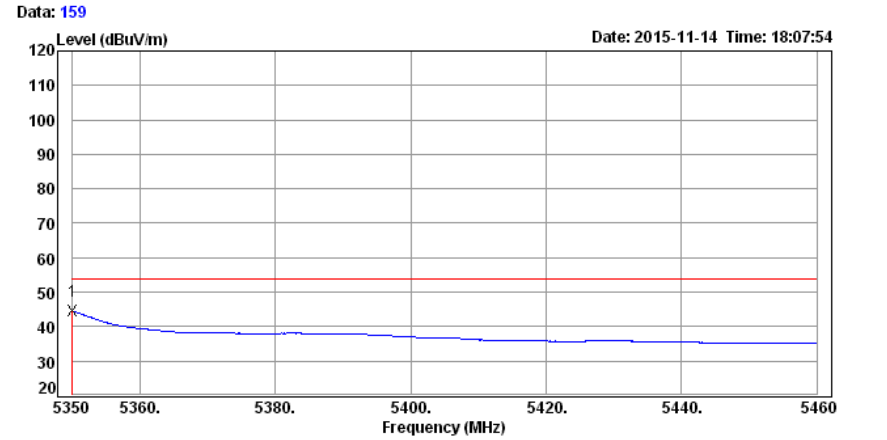


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	56.09	9.46	65.55	74.00	-8.45			Peak
5353.41	56.18	9.47	65.65	74.00	-8.35			Peak

Detector Mode : Average **Polarity : Vertical**

CH High (IEEE 802.11a Mode / Band 2A / Internal Antenna)

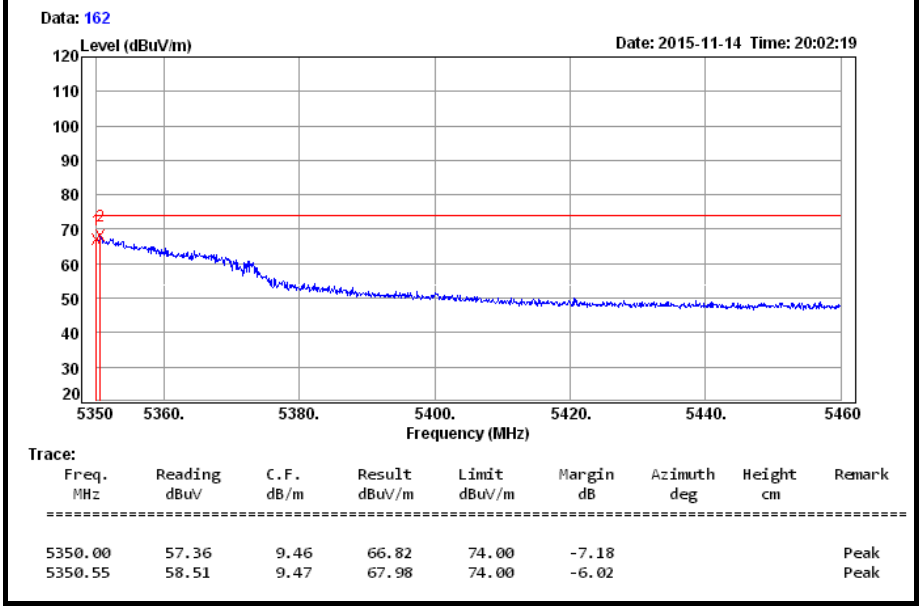


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	35.09	9.46	44.55	54.00	-9.45			Average

Detector Mode : Peak **Polarity : Horizontal**

CH High (IEEE 802.11ac VHT20 Mode / Band 2A / Internal Antenna)

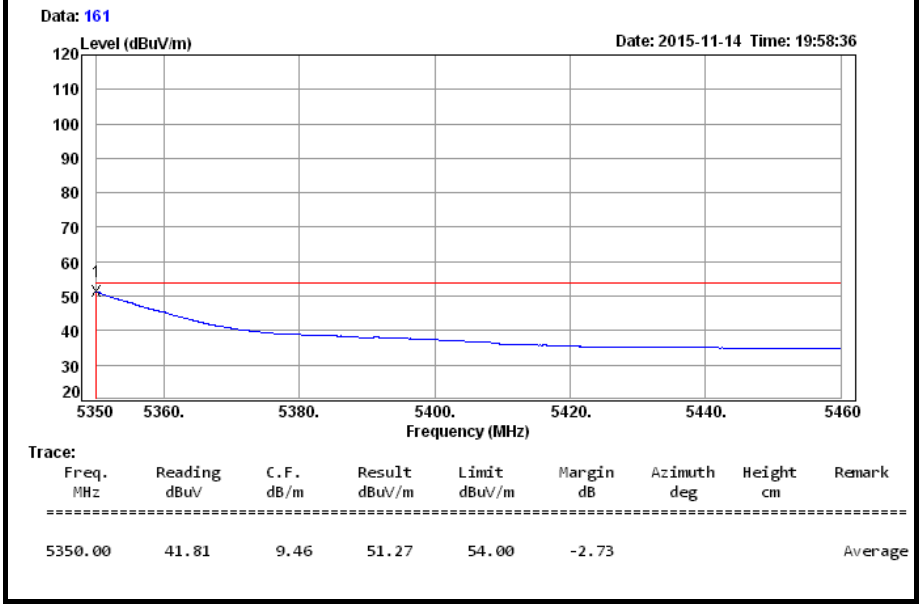


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	57.36	9.46	66.82	74.00	-7.18			Peak
5350.55	58.51	9.47	67.98	74.00	-6.02			Peak

Detector Mode : Average **Polarity : Horizontal**

CH High (IEEE 802.11ac VHT20 Mode / Band 2A / Internal Antenna)

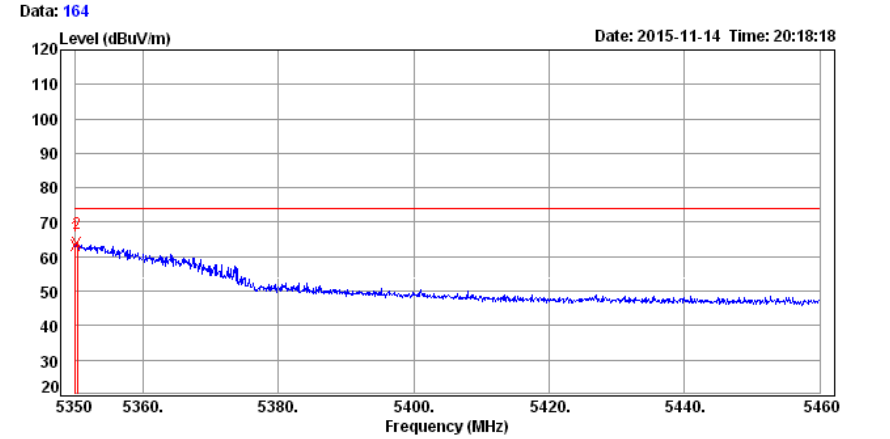


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	41.81	9.46	51.27	54.00	-2.73			Average

Detector Mode : Peak **Polarity : Vertical**

CH High (IEEE 802.11ac VHT20 Mode / Band 2A / Internal Antenna)

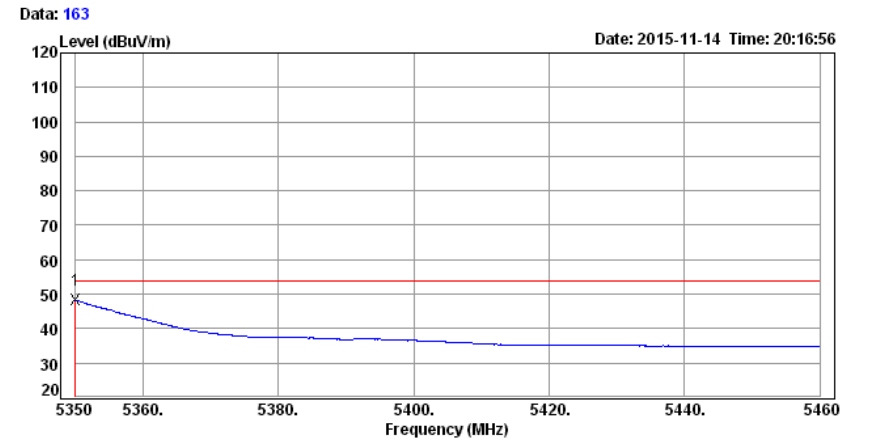


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	53.67	9.46	63.13	74.00	-10.87			Peak
5350.22	54.42	9.46	63.88	74.00	-10.12			Peak

Detector Mode : Average **Polarity : Vertical**

CH High (IEEE 802.11ac VHT20 Mode / Band 2A / Internal Antenna)

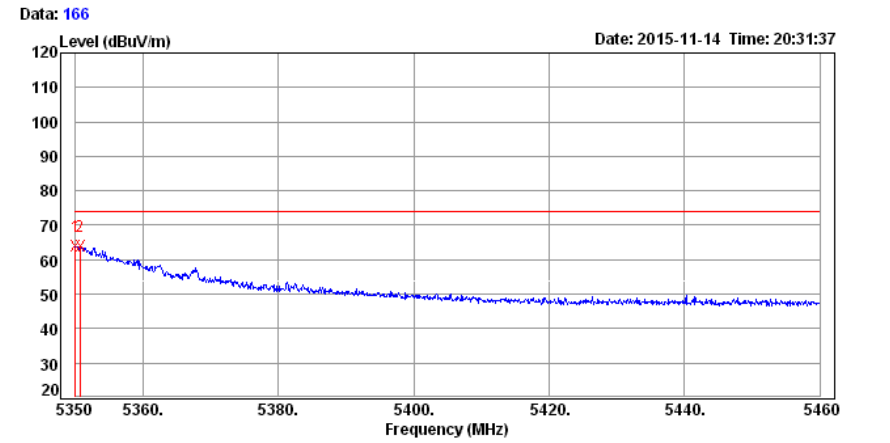


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	38.83	9.46	48.29	54.00	-5.71			Average

Detector Mode : Peak **Polarity : Horizontal**

CH High (IEEE 802.11ac VHT40 Mode / Band 2A / Internal Antenna)

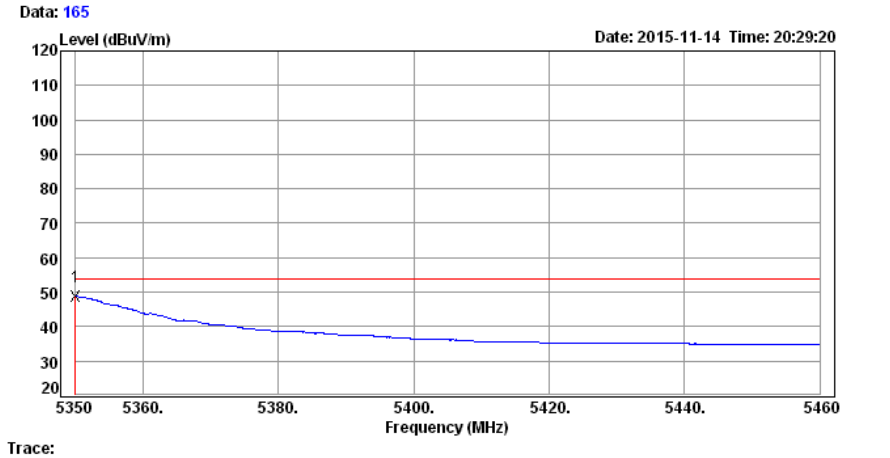


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	54.36	9.46	63.82	74.00	-10.18			Peak
5350.66	54.48	9.47	63.95	74.00	-10.05			Peak

Detector Mode : Average **Polarity : Horizontal**

CH High (IEEE 802.11ac VHT40 Mode / Band 2A / Internal Antenna)

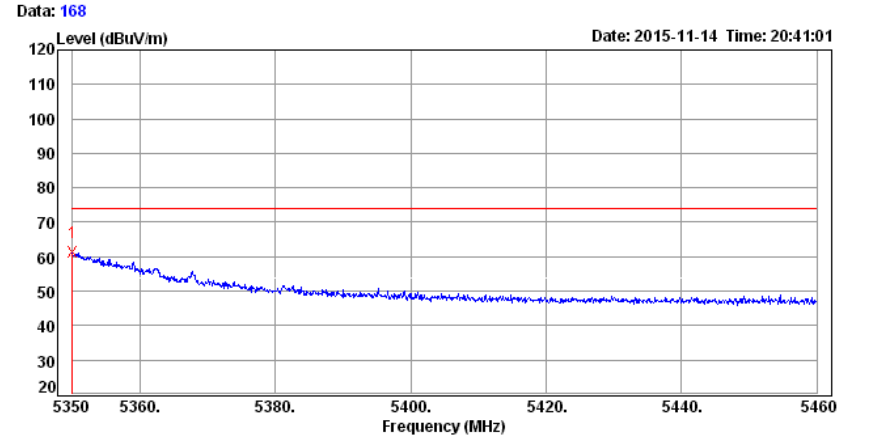


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	39.36	9.46	48.82	54.00	-5.18			Average

Detector Mode : Peak **Polarity : Vertical**

CH High (IEEE 802.11ac VHT40 Mode / Band 2A / Internal Antenna)

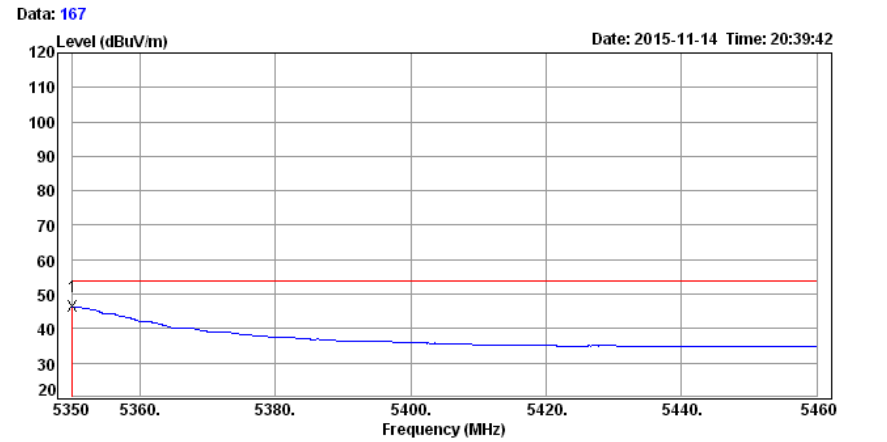


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	51.64	9.46	61.10	74.00	-12.90			Peak

Detector Mode : Average **Polarity : Vertical**

CH High (IEEE 802.11ac VHT40 Mode / Band 2A / Internal Antenna)

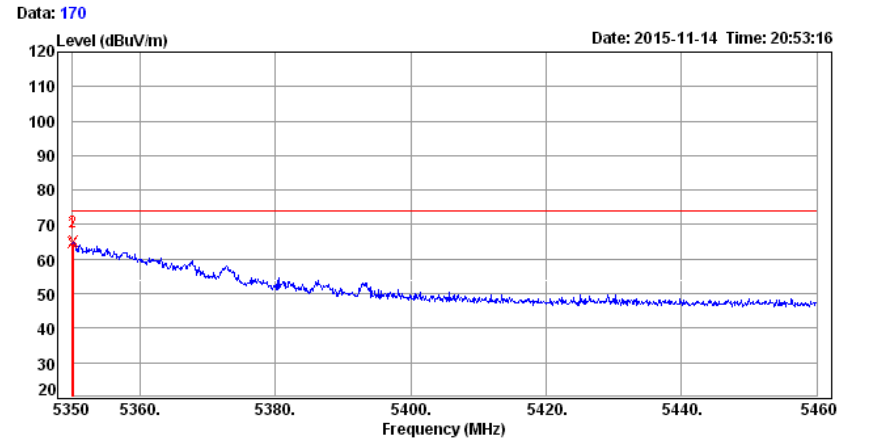


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	36.78	9.46	46.24	54.00	-7.76			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2A / Internal Antenna)

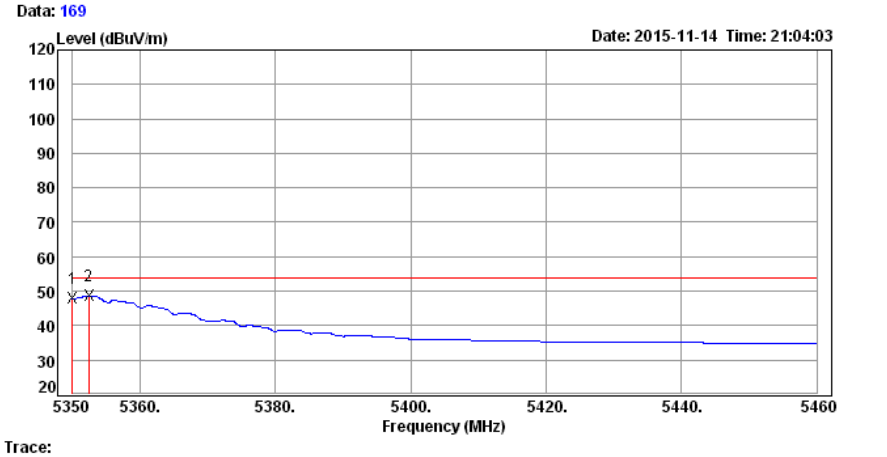


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	55.14	9.46	64.60	74.00	-9.40			Peak
5350.11	55.49	9.46	64.95	74.00	-9.05			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2A / Internal Antenna)

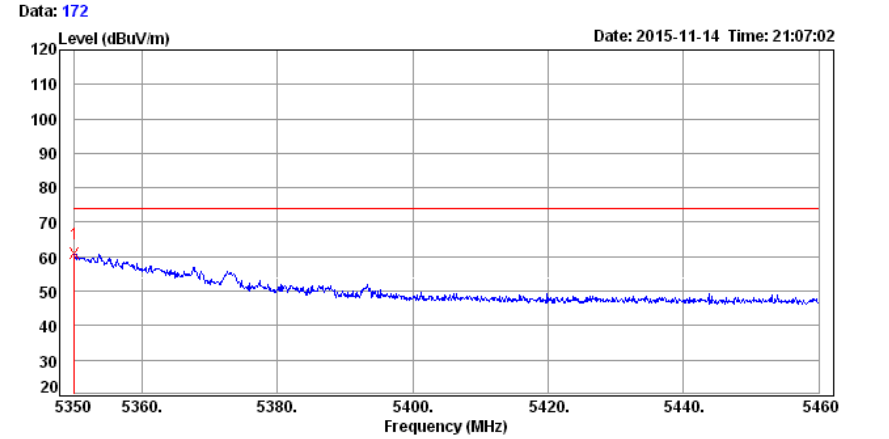


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	38.34	9.46	47.80	54.00	-6.20			Average
5352.42	39.12	9.47	48.59	54.00	-5.41			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2A / Internal Antenna)

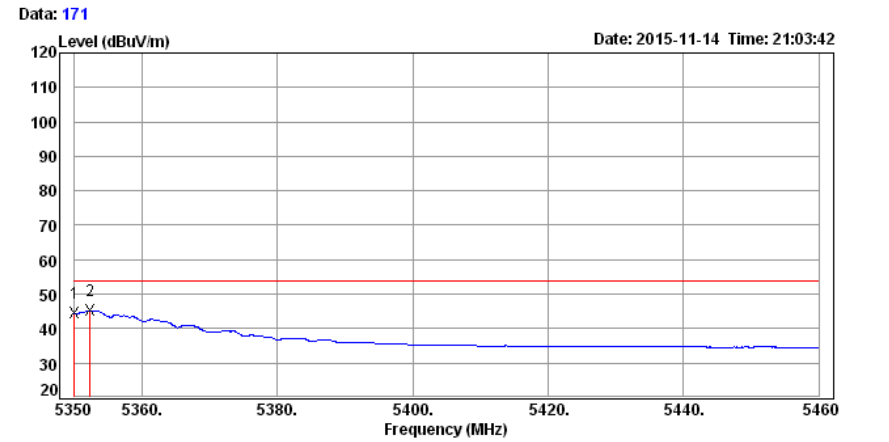


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	51.36	9.46	60.82	74.00	-13.18			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2A / Internal Antenna)

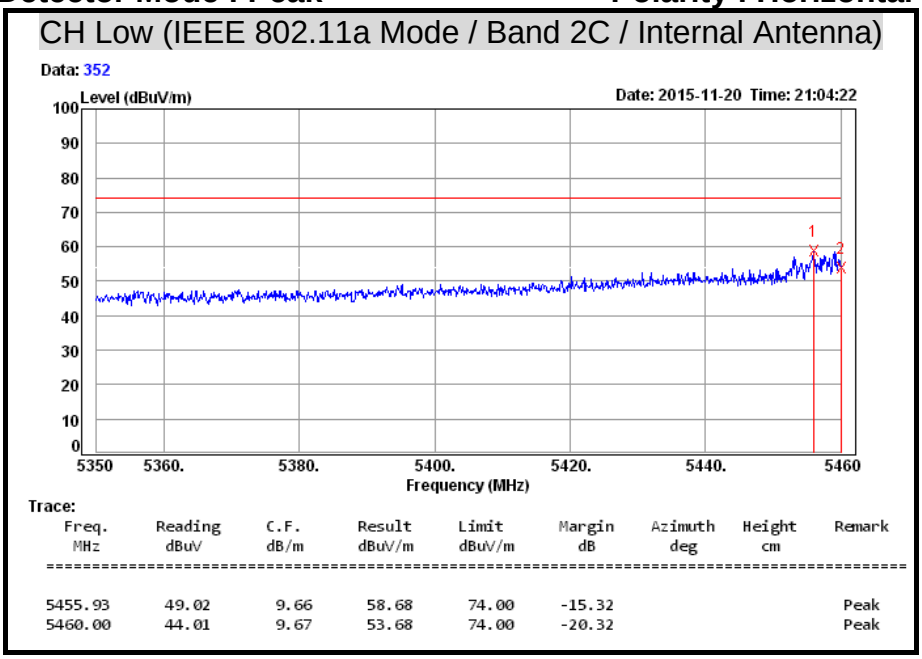


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5350.00	34.97	9.46	44.43	54.00	-9.57			Average
5352.31	35.68	9.47	45.15	54.00	-8.85			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11a Mode / Band 2C / Internal Antenna)

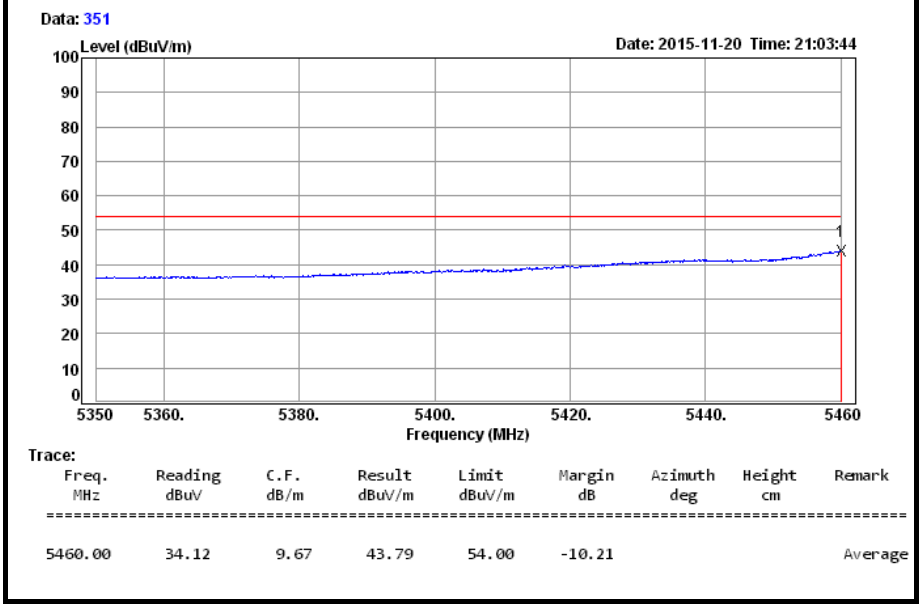


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5455.93	49.02	9.66	58.68	74.00	-15.32			Peak
5460.00	44.01	9.67	53.68	74.00	-20.32			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11a Mode / Band 2C / Internal Antenna)

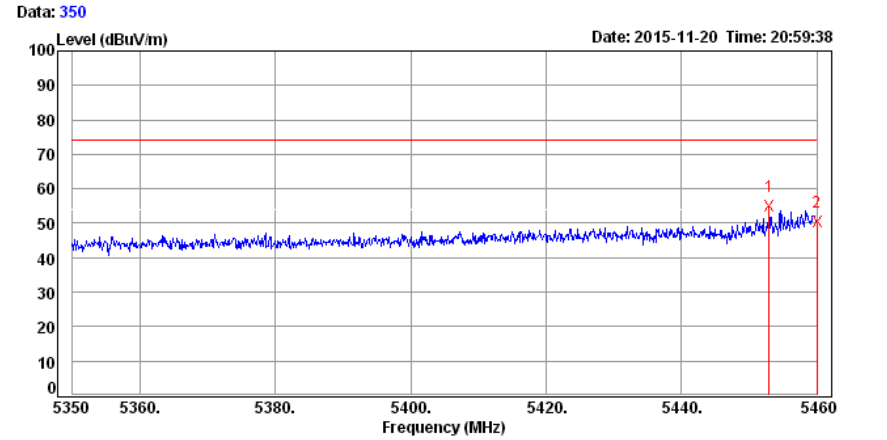


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5460.00	34.12	9.67	43.79	54.00	-10.21			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11a Mode / Band 2C / Internal Antenna)

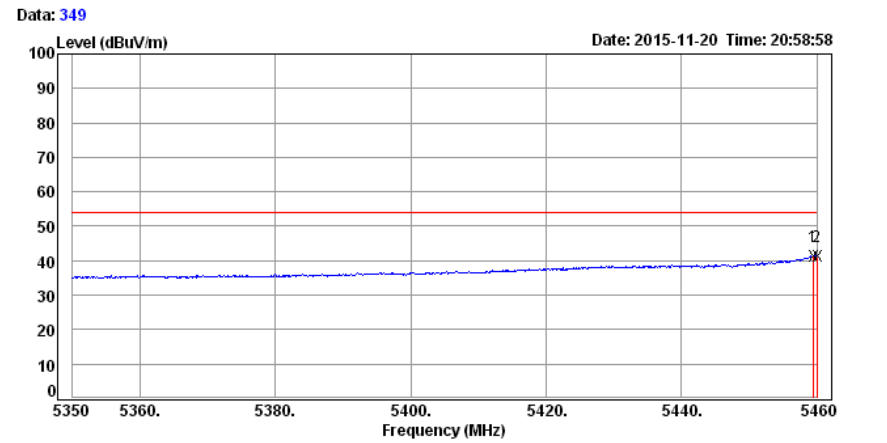


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5452.96	45.29	9.65	54.94	74.00	-19.06			Peak
5460.00	40.54	9.67	50.21	74.00	-23.79			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11a Mode / Band 2C / Internal Antenna)

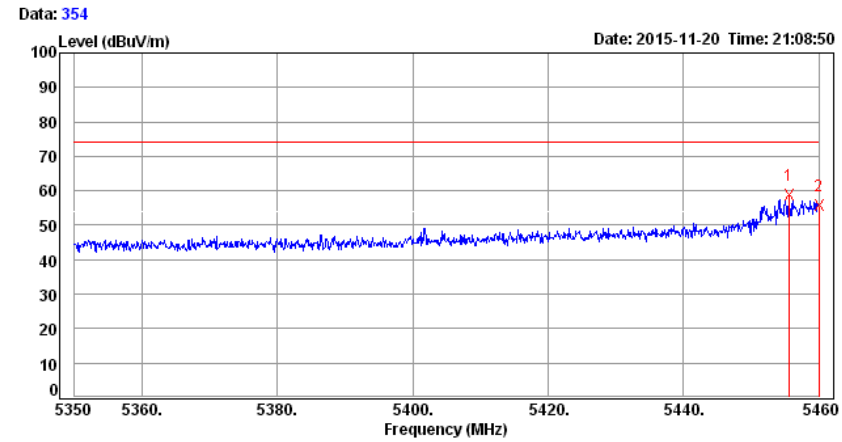


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5459.45	31.59	9.67	41.26	54.00	-12.74			Average
5460.00	31.43	9.67	41.10	54.00	-12.90			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT20 Mode / Band 2C / Internal Antenna)

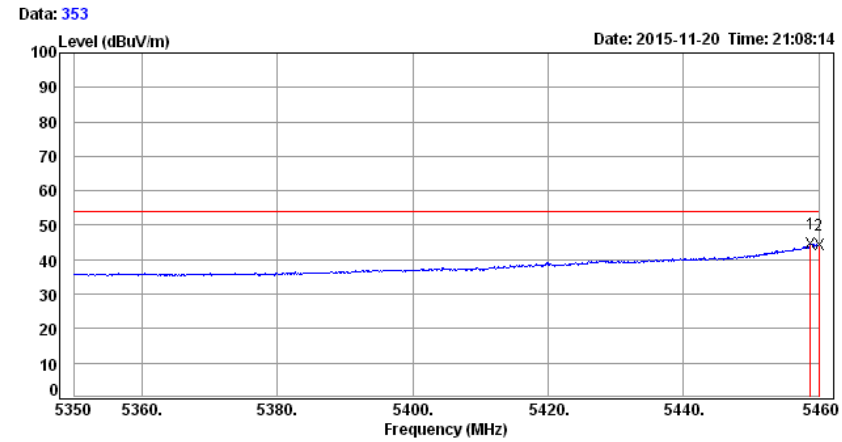


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5455.60	49.13	9.66	58.79	74.00	-15.21			Peak
5460.00	45.89	9.67	55.56	74.00	-18.44			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT20 Mode / Band 2C / Internal Antenna)

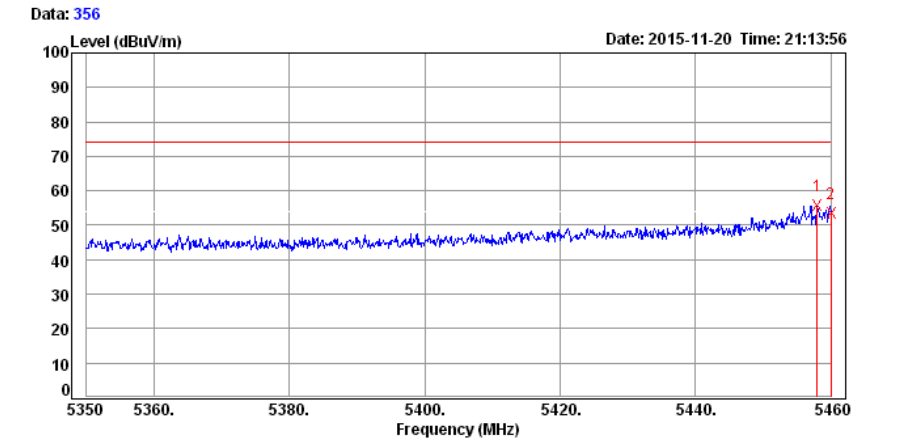


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5458.79	34.85	9.66	44.51	54.00	-9.49			Average
5460.00	34.52	9.67	44.19	54.00	-9.81			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT20 Mode / Band 2C / Internal Antenna)

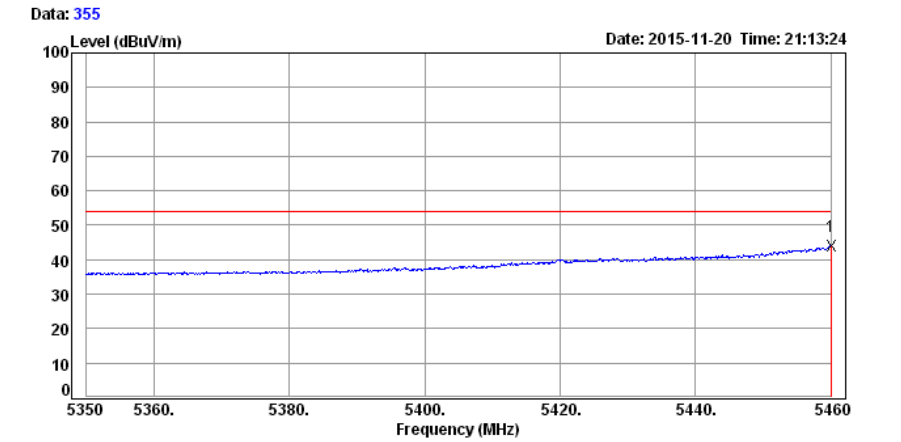


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5458.02	45.92	9.66	55.58	74.00	-18.42			Peak
5460.00	43.89	9.67	53.56	74.00	-20.44			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT20 Mode / Band 2C / Internal Antenna)

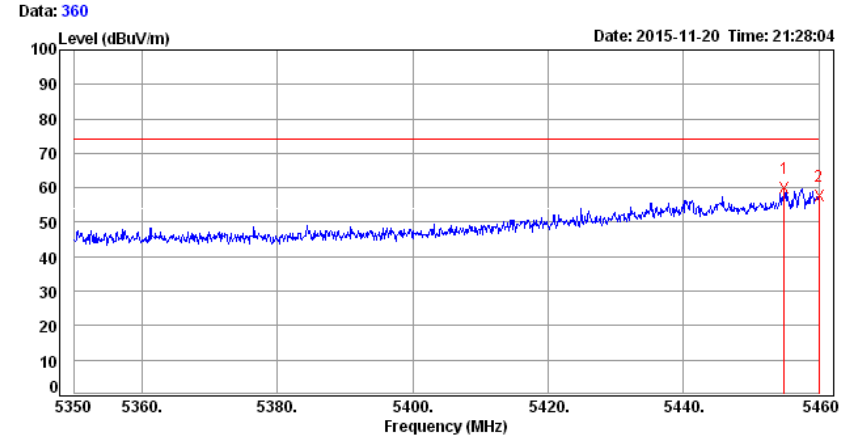


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5460.00	34.34	9.67	44.01	54.00	-9.99			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT40 Mode / Band 2C / Internal Antenna)

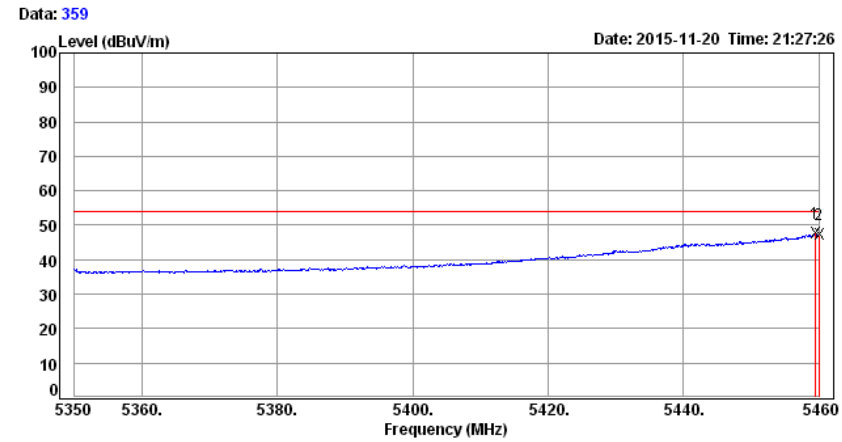


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5454.94	50.39	9.66	60.05	74.00	-13.95			Peak
5460.00	48.05	9.67	57.72	74.00	-16.28			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT40 Mode / Band 2C / Internal Antenna)

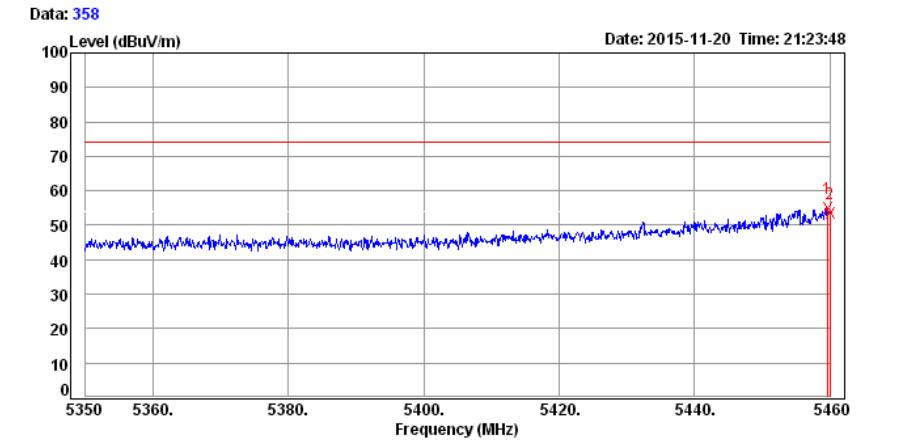


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5459.45	38.09	9.67	47.76	54.00	-6.24			Average
5460.00	37.52	9.67	47.19	54.00	-6.81			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT40 Mode / Band 2C / Internal Antenna)

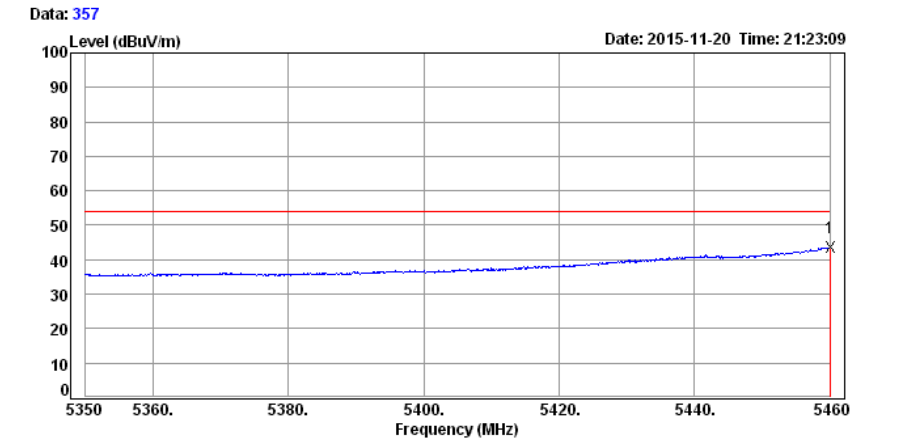


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5459.67	45.21	9.67	54.88	74.00	-19.12			Peak
5460.00	43.67	9.67	53.34	74.00	-20.66			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT40 Mode / Band 2C / Internal Antenna)

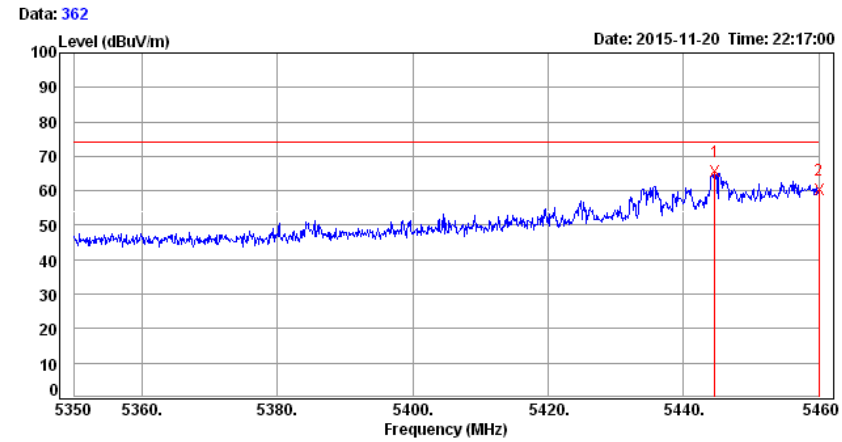


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5460.00	33.82	9.67	43.49	54.00	-10.51			Average

Detector Mode : Peak **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2C / Internal Antenna)

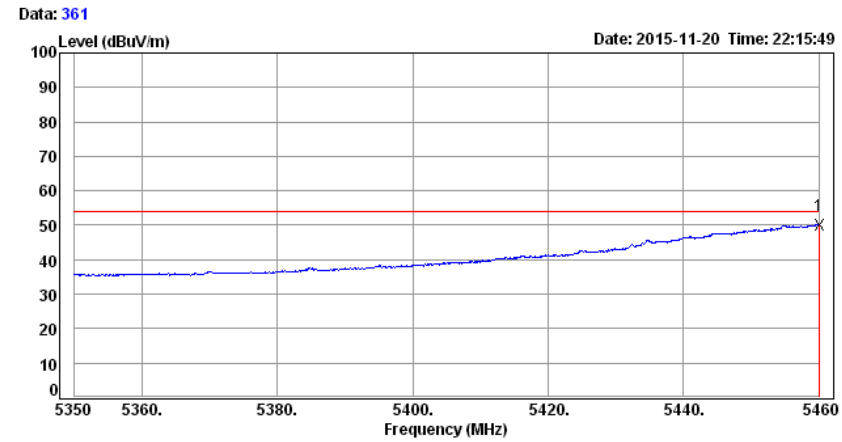


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5444.60	56.12	9.64	65.76	74.00	-8.24			Peak
5460.00	50.68	9.67	60.35	74.00	-13.65			Peak

Detector Mode : Average **Polarity : Horizontal**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2C / Internal Antenna)

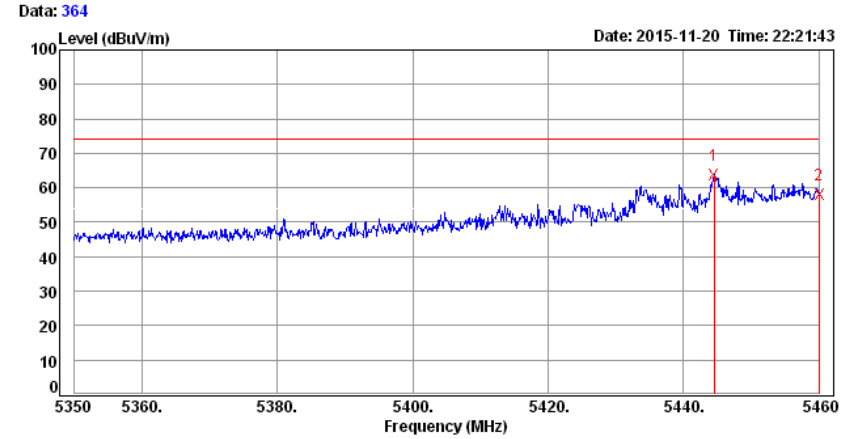


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5460.00	40.37	9.67	50.04	54.00	-3.96			Average

Detector Mode : Peak **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2C / Internal Antenna)

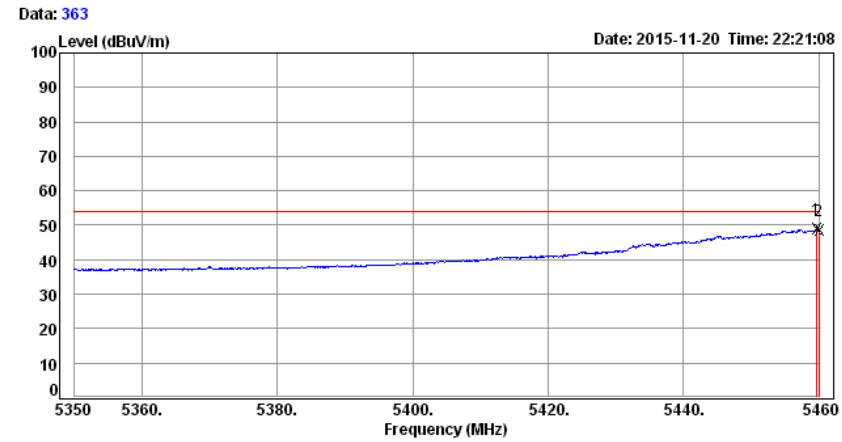


Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5444.49	54.10	9.64	63.74	74.00	-10.26			Peak
5460.00	48.34	9.67	58.01	74.00	-15.99			Peak

Detector Mode : Average **Polarity : Vertical**

CH Low (IEEE 802.11ac VHT80 Mode / Band 2C / Internal Antenna)



Trace:

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5459.67	39.07	9.67	48.74	54.00	-5.26			Average
5460.00	38.63	9.67	48.30	54.00	-5.70			Average

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 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

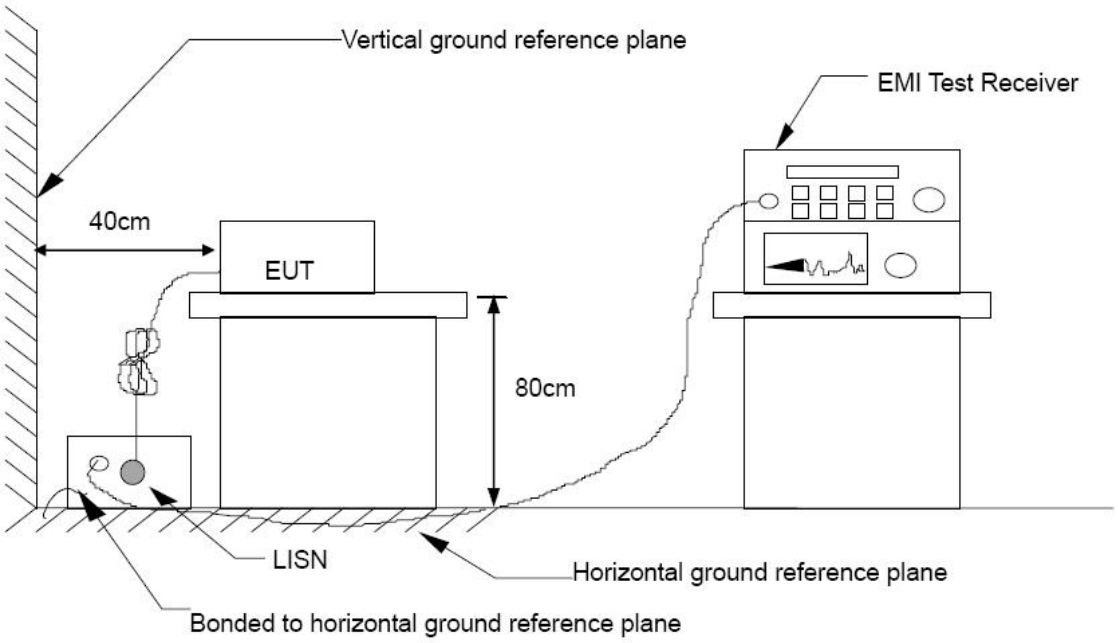
Frequency Range (MHz)	Conducted Limit (dBμv)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5.00	56	46
5.00 - 30.0	60	50

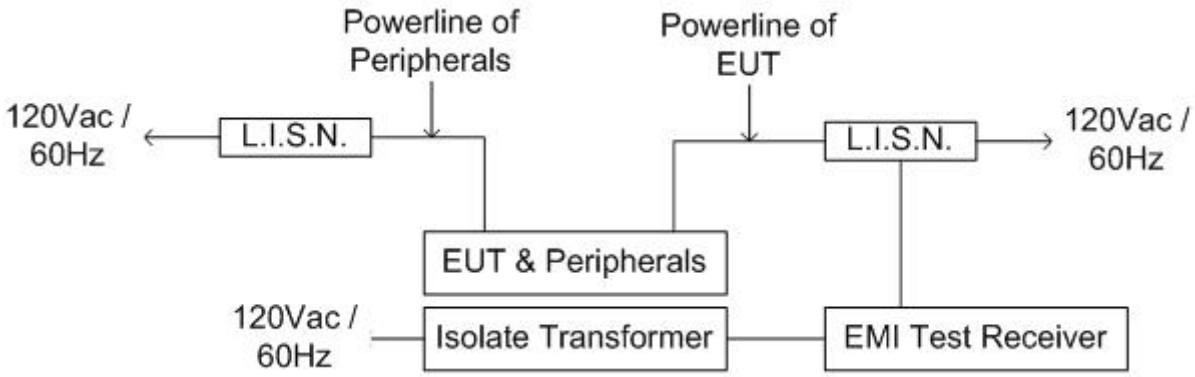
TEST EQUIPMENT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
L.I.S.N	Schwarzbeck	NSLK 8127	8127-465	08/05/2016
L.I.S.N	Schwarzbeck	NSLK 8127	8127-473	03/09/2016
EMI Receiver	Rohde & Schwarz	ESCS 30	835418/008	10/31/2016
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100111	06/28/2016

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 C63.10:2013.

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.

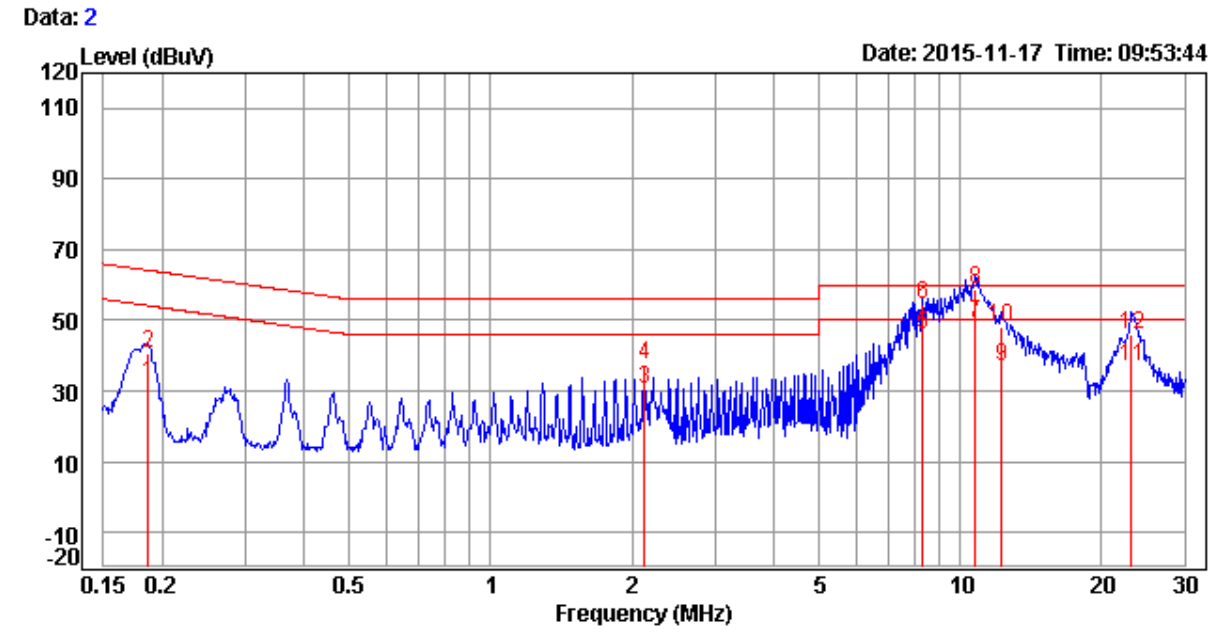
The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room. All peripherals were connected to the second LISN and the chassis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

Product Name	PANEL PC	Test By	Waternil Guan
Test Model	VT1020-HRD	Test Date	2015/11/17
Test mode	Mode 1	Temp. & Humidity	26°C, 58%

LINE



Trace:

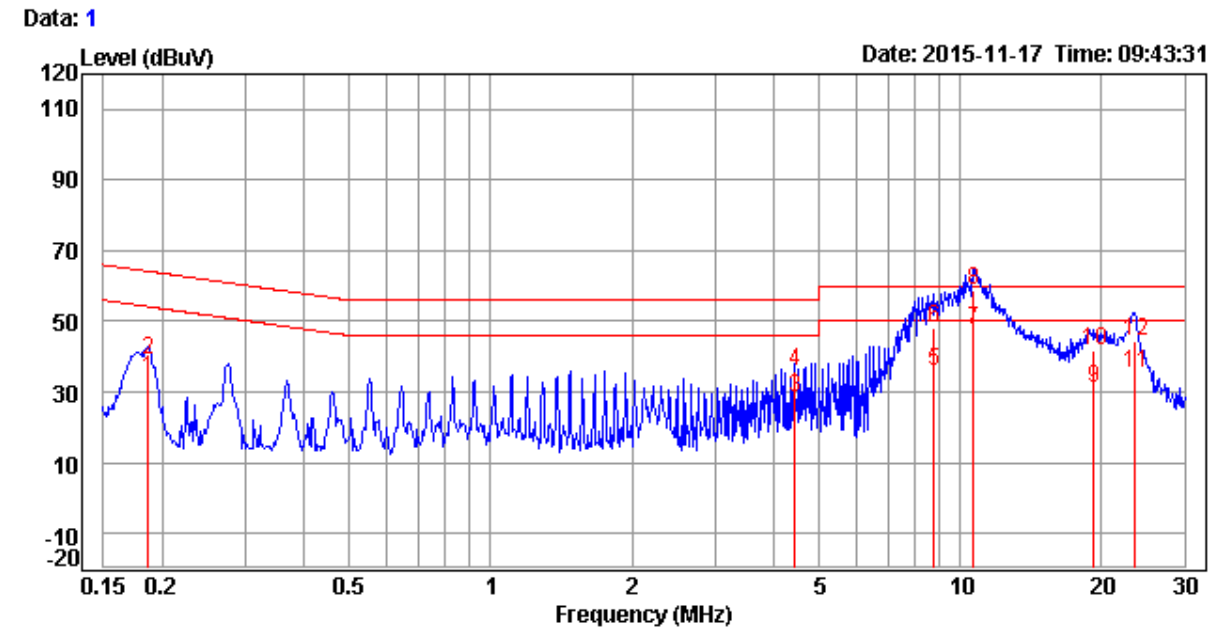
Freq. MHz	Reading dBuV Q.P.	Reading dBuV AV.	C.F. dB	Result dBuV Q.P.	Result dBuV AV.	Limit dBuV Q.P.	Limit dBuV AV.	Margin dB Q.P.	Margin dB AV.
0.186	30.68	21.96	9.97	40.65	31.93	64.20	54.20	-23.55	-22.27
2.121	27.40	20.43	10.07	37.47	30.50	56.00	46.00	-18.53	-15.50
8.299	44.11	35.44	10.33	54.44	45.77	60.00	50.00	-5.56	-4.23
10.700	48.47	38.57	10.43	58.90	49.00	60.00	50.00	-1.10	-1.00
12.167	37.84	26.47	10.49	48.33	36.96	60.00	50.00	-11.67	-13.04
23.140	35.09	25.79	10.99	46.08	36.78	60.00	50.00	-13.92	-13.22

Remark:

1. *Correction Factor = Insertion loss + Cable loss*
2. *Result level = Reading Value + Correction factor*
3. *Margin value = Result level – Limit value*

Product Name	PANEL PC	Test By	Waternil Guan
Test Model	VT1020-HRD	Test Date	2015/11/17
Test mode	Mode 1	Temp. & Humidity	26°C, 58%

NEUTRAL



Trace:

Freq. MHz	Reading dBuV Q.P.	Reading dBuV AV.	C.F. dB	Result dBuV Q.P.	Result dBuV AV.	Limit dBuV Q.P.	Limit dBuV AV.	Margin dB Q.P.	Margin dB AV.
0.186	29.32	23.54	9.99	39.31	33.53	64.20	54.20	-24.89	-20.67
4.430	25.58	18.14	10.16	35.74	28.30	56.00	46.00	-20.26	-17.70
8.776	37.91	25.39	10.30	48.21	35.69	60.00	50.00	-11.79	-14.31
10.620	48.65	37.46	10.35	59.00	47.81	60.00	50.00	-1.00	-2.19
19.224	30.99	20.42	10.55	41.54	30.97	60.00	50.00	-18.46	-19.03
23.511	33.56	24.62	10.68	44.24	35.30	60.00	50.00	-15.76	-14.70

Remark:

1. *Correction Factor = Insertion loss + Cable loss*
2. *Result level = Reading Value + Correction factor*
3. *Margin value = Result level – Limit value*

7.7 FREQUENCY STABILITY

LIMITS

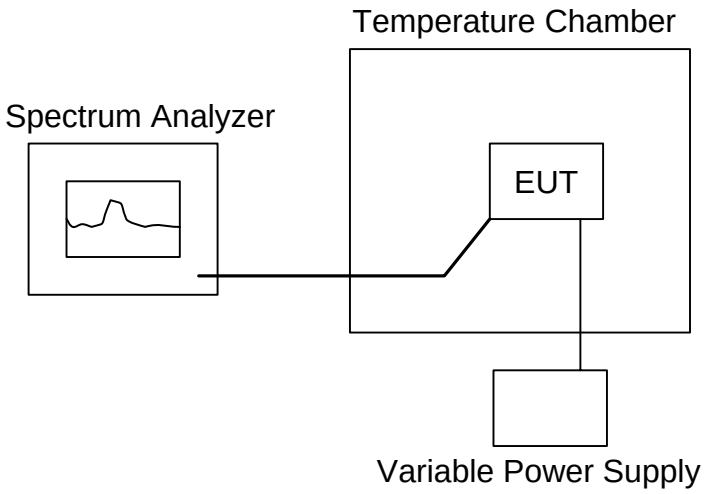
§ 15.407 (g) manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

TEST EQUIPMENT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EXA Signal Analyzer	Agilent	N9010A	MY52220817	03/19/2016
Temp. & Humid. Chamber	TERCHY	MHC-120L	960424	09/01/2016

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)
Band 1	Low	5180	5180.011458	11.46	103.60	-92.14
	Middle	5200	5200.011625	11.63	104.00	-92.37
	High	5240	5240.011475	11.48	104.80	-93.32
Band 2A	Low	5260	5260.011447	11.45	105.20	-93.75
	Middle	5300	5300.011630	11.63	106.00	-94.37
	High	5320	5320.011247	11.25	106.40	-95.15
Band 2C	Low	5500	5500.011266	11.27	110.00	-98.73
	Middle	5580	5580.011328	11.33	111.60	-100.27
	High	5700	5700.011335	11.34	114.00	-102.66
Band 3	Low	5745	5745.012147	12.15	114.90	-102.75
	Middle	5785	5785.012068	12.07	115.70	-103.63
	High	5825	5825.012066	12.07	116.50	-104.43

IEEE 802.11ac VHT20 Mode

U-NII	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
Band 1	Low	5180	5180.011582	11.58	103.60	-92.02
	Middle	5200	5200.011414	11.41	104.00	-92.59
	High	5240	5240.011663	11.66	104.80	-93.14
Band 2A	Low	5260	5260.011447	11.45	105.20	-93.75
	Middle	5300	5300.011424	11.42	106.00	-94.58
	High	5320	5320.011242	11.24	106.40	-95.16
Band 2C	Low	5500	5500.011447	11.45	110.00	-98.55
	Middle	5580	5580.011228	11.23	111.60	-100.37
	High	5700	5700.012014	12.01	114.00	-101.99
Band 3	Low	5745	5745.012328	12.33	114.90	-102.57
	Middle	5785	5785.011975	11.98	115.70	-103.72
	High	5825	5825.012426	12.43	116.50	-104.07

IEEE 802.11ac VHT40 Mode

U-NII	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
Band 1	Low	5190	5190.011442	11.44	103.80	-92.36
	High	5230	5230.011390	11.39	104.60	-93.21
Band 2A	Low	5270	5270.011663	11.66	105.40	-93.74
	High	5310	5310.011269	11.27	106.20	-94.93
Band 2C	Low	5510	5510.011255	11.26	110.20	-98.94
	Middle	5550	5550.011333	11.33	111.00	-99.67
	High	5670	5670.011565	11.56	113.40	-101.84
Band 3	Low	5755	5755.012525	12.53	115.10	-102.57
	High	5795	5795.012663	12.66	115.90	-103.24

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U-NII	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
Band 1	Low	5210	5210.011332	11.33	104.20	-92.87
Band 2A	Low	5290	5290.011475	11.48	105.80	-94.32
Band 2C	Low	5530	5530.012663	12.66	110.60	-97.94
Band 3	Low	5775	5775.012352	12.35	115.50	-103.15