FCC PART 15 SUBPART C TEST REPORT

for

High Power AC1200 Wi-Fi PCI-E Adapter

Model No.: PCI20E

FCC ID: ZTT-PCI20E

of

Applicant: **Amped Wireless**
Address: **13089 Peyton Dr. #C307 Chino Hills California 91709 United States**

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: 930600

Industry Canada filed test laboratory Reg. No. IC 5679A-1

A2LA Accredited No.: 2732.01

Report No.: W6M21401-13806-C-1

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.
TEL: 886-2-66068877 FAX: 886-2-66068879 E-mail: wts@wts-lab.com

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1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.
The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.
Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.
Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.
The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that is performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.
The test report may only be reproduced or published in full.
Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.

Specific Conditions:
Usage of the hereunder tested device in combination with other integrated or external antennas requires at least additional output power measurements, spurious emission measurements, conducted emission measurements (AC supply lines) and radio frequency exposure evaluations for each individual configuration performed, for certification by FCC.
The test sample is able to work according IEEE 802.11 a/b/g/n/ac.
This report is related to FCC Part 15 C (DSSS and OFDM device).

Tester:

Date	WTS-Lab.	Name	Signature
February 25, 2014		Spencer Yang	Spencer

Technical responsibility for area of testing:

Date	WTS	Name	Signature
February 25, 2014		Kevin Wang	Kevin Wang

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

1.2 Testing laboratory

1.2.1 Location

OATS
No.5-1, Lishui, Shuang Sing Village,
Wanli Dist., New Taipei City 207,
Taiwan (R.O.C.)
3 meter semi-anechoic chamber
No.35, Aly. 21, Ln. 228, Ankang Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)
TEL:886-2-6613-0228
FAX:886-2-2791-5046

Company
Worldwide Testing Services(Taiwan) Co., Ltd.
6F, NO. 58, LANE 188, RUEY-KUANG RD.
NEIHU, TAIPEI 114, TAIWAN R.O.C.
Tel : 886-2-66068877
Fax : 886-2-66068879

1.2.2 Details of accreditation status

Accredited testing laboratory
A2LA accredited number: 2732.01
FCC filed test laboratory Reg. No. 930600
Industry Canada filed test laboratory Reg. No. IC 5679A-1

Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd. :

Name:	./.
Accredited number:	./.
Street:	./.
Town:	./.
Country:	./.
Telephone:	./.
Fax:	./.

1.3 Details of approval holder

Name:	Amped Wireless
Street:	13089 Peyton Dr. #C307
Town:	Chino Hills California 91709
Country:	United States
Telephone:	(909) 217-3229
Fax:	(909) 580-8883

1.4 Application details

Date of receipt of test item:	January 14, 2014
Date of test:	from January 15, 2014 to February 25, 2014

1.5 General information of Test item

Type of test item:	High Power AC1200 Wi-Fi PCI-E Adapter
Model Number:	PCI20E
Brand Name:	amped wireless
Multi-listing model number:	./.
Photos:	see Appendix

Technical data

Frequency band:	5.745 GHz-5.825GHz, 2.4 GHz-2.4835 GHz
802.11a	
Frequency (ch 149):	5.745 GHz
Frequency (ch 157):	5.785 GHz
Frequency (ch 165):	5.825 GHz
802.11n 20MHz	
Frequency (ch 149):	5.745 GHz
Frequency (ch 157):	5.785 GHz
Frequency (ch 165):	5.825 GHz
802.11n 40MHz	
Frequency (ch 151):	5.755 GHz
Frequency (ch 159):	5.795 GHz
802.11ac	
Frequency (ch 155):	5.775 GHz
11b, 11g, 11n 20MHz	
Frequency (ch 1):	2.412 GHz
Frequency (ch 6):	2.437 GHz
Frequency (ch 11):	2.462 GHz
11n 40MHz	
Frequency (ch 1):	2.422 GHz
Frequency (ch 4):	2.437 GHz
Frequency (ch 7):	2.452 GHz

Registration number: W6M21401-13806-C-1
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Number of Channels:	11a, 11n 20MHz : 5 channels 11n 40MHz: 2 channels 11ac : 1 channels 11b, 11g, 11n 20MHz: 11 channels 11n 40MHz: 7 channels
Operation modes:	duplex
Modulation Type:	DSSS / OFDM
Fixed point-to-point operation:	☐ Yes / ☒ No
Type of Antenna:	Dual Band Omni-Antenna (for 2.4GHz & 5GHz)
Antenna gain:	2 dBi (for 2.4GHz) 4 dBi (for 5GHz)
Directional gain:	5.01 dBi (for 2.4GHz)
Directional gain:	7.01 dBi (for 5GHz)

According to KDB 662911, Unequal antenna gains, with equal transmit powers. For antenna gains given by G_1, G_2, …, G_N dBi. If transmit signals are correlated, then Directional gain $=10 \log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N]$ dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

Power supply:	120Vac (Power from PC)
Emission designator:	**5.8GHz** 802.11a: OFDM: 17M4D1D 802.11n 20MHz: OFDM: 17M6D1D 802.11n 40MHz: OFDM: 34M0D1D 802.11ac: OFDM: 78M1D4D **2.4GHz** 802.11b: DSSS: 16M8G1D 802.11g: OFDM: 17M2D1D 802.11n 20MHz: OFDM: 16M8D1D 802.11n 40MHz: OFDM: 38M4D1D
Host device:	none

Classification :

Fixed Device	☐
Mobile Device (Human Body distance ＞ 20cm)	☒
Portable Device (Human Body distance ＜ 20cm)	☐
Modular Radio Device	☐

Transmitter	**Unom**
Antenna A	
Mode A (802.11a)	
Power (ch 149 or A):	Conducted: 20.98 dBm
Power (ch 157 or B):	Conducted: 20.42 dBm
Power (ch 165 or C):	Conducted: 21.02 dBm
Mode B (802.11n 20MHz)	
Power (ch 149 or A):	Conducted: 20.48 dBm
Power (ch 157 or B):	Conducted: 20.06 dBm
Power (ch 165 or C):	Conducted: 20.97 dBm
Mode C (802.11n 40MHz)	
Power (ch 151 or A):	Conducted: 19.26 dBm
Power (ch 159 or B):	Conducted: 18.90 dBm
Mode D (802.11ac)	
Power (ch 155 or A):	Conducted: 20.27 dBm
Mode E (802.11b)	
Power (ch 1 or A):	Conducted: 22.74 dBm
Power (ch 6 or B):	Conducted: 21.99 dBm
Power (ch 11 or C):	Conducted: 20.85 dBm
Mode F (802.11g)	
Power (ch 1 or A):	Conducted: 22.29 dBm
Power (ch 6 or B):	Conducted: 21.68 dBm
Power (ch 11 or C):	Conducted: 20.37 dBm
Mode G (802.11n 20MHz)	
Power (ch 1 or A):	Conducted: 22.04 dBm
Power (ch 6 or B):	Conducted: 21.38 dBm
Power (ch 11 or C):	Conducted: 20.05 dBm
Mode H (802.11n 40MHz)	
Power (ch 1 or A):	Conducted: 21.07 dBm
Power (ch 4 or B):	Conducted: 20.64 dBm
Power (ch 7 or C):	Conducted: 19.89 dBm

Antenna B

Mode A (802.11a)

Power (ch 149 or A): Conducted: 19.92 dBm
Power (ch 157 or B): Conducted: 20.42 dBm
Power (ch 165 or C): Conducted: 20.48 dBm

Mode B (802.11n 20MHz)

Power (ch 149 or A): Conducted: 19.57 dBm
Power (ch 157 or B): Conducted: 20.29 dBm
Power (ch 165 or C): Conducted: 21.24 dBm

Mode C (802.11n 40MHz)

Power (ch 151 or A): Conducted: 19.52 dBm
Power (ch 159 or B): Conducted: 19.97 dBm

Mode D (802.11ac)

Power (ch 155 or A): Conducted: 20.23 dBm

Mode E (802.11b)

Power (ch 1 or A): Conducted: 23.28 dBm
Power (ch 6 or B): Conducted: 22.85 dBm
Power (ch 11 or C): Conducted: 22.03 dBm

Mode F (802.11g)

Power (ch 1 or A): Conducted: 22.10 dBm
Power (ch 6 or B): Conducted: 21.73 dBm
Power (ch 11 or C): Conducted: 20.90 dBm

Mode G (802.11n 20MHz)

Power (ch 1 or A): Conducted: 19.94 dBm
Power (ch 6 or B): Conducted: 19.44 dBm
Power (ch 11 or C): Conducted: 18.59 dBm

Mode H (802.11n 40MHz)

Power (ch 1 or A): Conducted: 18.93 dBm
Power (ch 4 or B): Conducted: 18.56 dBm
Power (ch 7 or C): Conducted: 18.14 dBm

Combine	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz(5.8GHz)	202.26	208.30	258.08	23.06	23.19	24.12
802.11n 40MHz	173.87	--	176.93	22.40	--	22.48
802.11ac	211.85	--	--	23.26	--	--
802.11n 20MHz(2.4GHz)	258.59	225.30	173.44	24.13	23.53	22.39
802.11n 40MHz	206.10	187.66	162.66	23.14	22.73	22.11

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Manufacturer: (if applicable)

Name:	Loopcomm Technology, Ltd.
Street:	6F,No.236,Bo'ai St.,Shulin Dist.,
Town:	New Taipei City 23845,
Country:	Taiwan,R.O.C.

1.6 Test standards

Technical standard : FCC RULES PART 15 SUBPART C § 15.247 (2011-10)

2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed. ☒

or

The deviations as specified in 2.5 were ascertained in the course of the tests performed. ☐

2.2 Test environment

Temperature:	23 °C
Relative humidity content:	20 ... 75 %
Air pressure:	86 ... 103 kPa
Power supply:	120Vac (Power from PC)
Extreme conditions parameters:	./.

2.3 Test Equipment List

No.	Test equipment	Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2013/9/2	2014/9/1
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 008	HF-EICHLEITUNG RF STEP ATTENUATOR 139dB DPSP	334.6010.02	844581/024	R&S	Function Test	
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2013/7/10	2014/7/9
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2013/10/28	2014/10/27
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2013/9/2	2014/9/1
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2013/9/2	2014/9/1
ETSTW-RE 012	TUNABLE BANDREJECT FILTER	D.C 0309	146	K&L	Function Test	
ETSTW-RE 013	TUNABLE BANDREJECT FILTER	D.C 0336	397	K&L	Function Test	
ETSTW-RE 018	MICROWAVE HORN ANTENNA	AT4560	27212	AR	2013/10/15	2014/10/14
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2013/7/3	2014/7/2
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	EMCO	2013/3/4	2014/3/3
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 049	TRILOG Super Broadband test Antenna	VULB 9160	9160-3185	Schwarzbeck	2014/2/18	2015/2/17
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2013/3/4	2014/3/3
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2013/3/4	2014/3/3
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2013/3/4	2014/3/3
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2013/5/31	2014/5/30
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2013/3/4	2014/3/3
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2013/11/27	2014/11/26
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function Test	
ETSTW-RE 069	Double-Ridged Guide Horn Antenna	3117	00069377	EMCO	Function Test	
ETSTW-RE 072	CELL SITE TEST SET	8921A	3339A00375	HP	2013/10/7	2014/10/6
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2013/10/11	2014/10/10
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2013/3/4	2014/3/3
ETSTW-RE 106	Humidity Temperature Meter	TES-1366	091011113	TES	2013/12/04	2014/12/03
ETSTW-RE 111	TRILOG Super Broadband test Antenna	VULB 9160	9160-3309	Schwarz beck	2013/12/27	2014/12/26
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	None	T-Power	Function test	
ETSTW-RE 115	2.4GHz Notch Filter	N0124411	473874	MICROWAVE CIRCUITS	2014/1/10	2015/1/09
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Function test	
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2013/6/28	2014/6/27
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2013/8/16	2014/8/15

ETSTW-RE 126	5GHz Notch filter	5NSL11-5800/E221.3-O/O	1	K&L Microwave	2013/8/16	2014/8/15
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2013/3/4	2014/3/3
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circits	2013/8/13	2014/8/12
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circits	2013/8/13	2014/8/12
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2013/10/7	2014/10/6
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40 /12+9SS	3	WI	2014/1/10	2015/1/09
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2014/1/10	2015/1/09
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2014/1/10	2015/1/09
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2014/1/10	2015/1/09
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2013/9/18	2014/9/17
ETSTW-Cable 010	BNC Cable	5 M BNC Cable	None	JYE BAO CO.,LTD.	2013/3/4	2014/3/3
ETSTW-Cable 011	BNC Cable	BNC Cable 1	None	JYE BAO CO.,LTD.	Pre-test Use NCR	
ETSTW-Cable 012	N TYPE To SMA Cable	Cable 012	None	JYE BAO CO.,LTD.	2013/3/4	2014/3/3
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2013/3/4	2014/3/3
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2013/3/4	2014/3/3
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2013/3/4	2014/3/3
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2013/3/4	2014/3/3
ETSTW-Cable 022	N TYPE Cable	5006	0002	JYE BAO CO.,LTD.	2014/2/19	2015/2/18
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2013/3/4	2014/3/3
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2013/3/4	2014/3/3
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2013/10/11	2014/10/10
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2013/10/11	2014/10/10
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104（S_Cable 9）	279067	HUBER+SUHNER	2013/3/4	2014/3/3
ETSTW-Cable 031	Microwave Cable	SUCOFLEX 104（S_Cable 10）	238092	HUBER+SUHNER	2013/11/27	2014/11/26
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2013/11/27	2014/11/26
ETSTW-Cable 047	Microwave Cable	SUCOFLEX 104	325518	HUBER+SUHNER	2013/11/27	2014/11/26
ETSTW-Cable 053	N TYPE To SMA Cable	RG142	None	JYE BAO CO.,LTD.	2014/2/19	2015/2/18
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2014/2/19	2015/2/18
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version ETS-03A1	

2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-2009 5.2 using a 50µH LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was according to ANSI STANDARD C63.4-2009 6.4 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBµV) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

Freq (MHz)	METER READING + ACF + CABLE LOSS (to the receiver) = FS
33	20 dBµV + 10.36 dB + 6 dB = 36.36 dBµV/m @3m

The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.4-2009 6.3.1. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

(1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
(2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
(3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
(4) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a)(1)-(a)(3) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this Section, whichever is the higher frequency range of investigation.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.
Measurements were made by Worldwide Testing Services(Taiwan) Co., Ltd. at the registered open field test site located at No.5-1, Lishui, Shuang Sing Village, Wanli Dist., New Taipei City 207, Taiwan (R.O.C.). The Registration Number: 930600.
When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

When the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

The formula is as follows:
Average = Peak + Duty Factor
Duty Factor = 20 log (dwell time/T)
T = 100ms when the pulse train period is over 100 ms or the period of the pulse train.

Modified Limits for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

ANSI STANDARD C63.4-2009 10.2.7: Any measurements that utilize special test software shall be indicated and referenced in the test report. During testing, test software ’EZ EMC’ was used for setting up different operation modes.

3 Test results (enclosure)

TEST CASE	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.247(b)	☒	☒	☐
Equivalent isotropically radiated Power	15.247(b)	☒	☒	☐
Spurious Emissions radiated – Transmitter operating	15.247(c): 15.209	☒	☒	☐
Band Edge Measurement	15.247(d)	☒	☒	☐
Minimum 6 dB Bandwidth	15.247(a)(2)	☒	☒	☐
Peak Power Spectral Density	15.247(e)	☒	☒	☐
Radiated Emission from Digital Part	15.109	☐	☐	☐
Power Line Conducted Emission	15.207	☒	☒	☐

Note:

1. This EUT incorporates a MIMO function with IEEE 802.11a, 802.11ac, 802.11b, 802.11g, and 802.11n. Physically, this EUT includes two transmitters and two receivers with two incoherent streams. This device uses multiplexing and also employ cyclic delay diversity to improve range and throughput, and this device simultaneously operates on two adjacent channels.
2. This EUT is 2*2 spatial MIMO (2Tx&2Rx) without beam forming function. That operates dual chain configuration. The Pre-test was performed to determine the worst case mode from all possible combinations between all available modulations, data rates, bandwidths, and spatial stream modes.

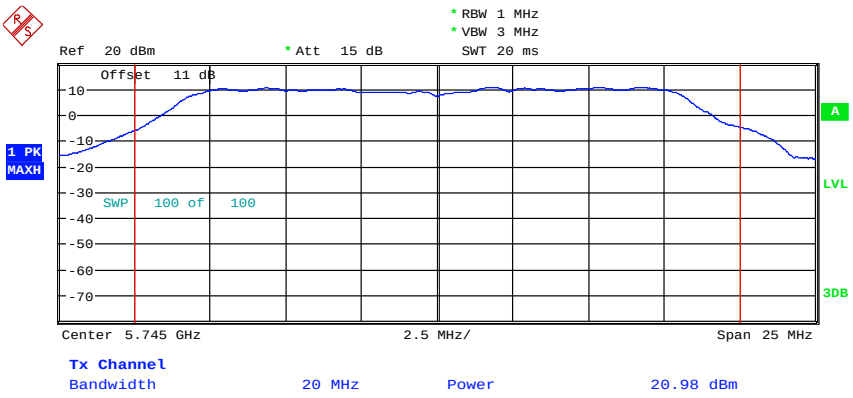
3.1 Peak Output Power (transmitter)

FCC Rule: 15.247(b)(3)

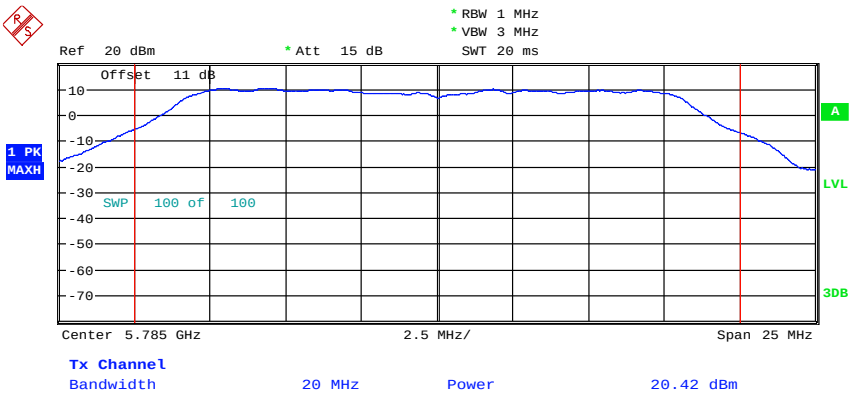
This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

The power was measured with modulation (declared by the applicant).

Antenna A
Mode A

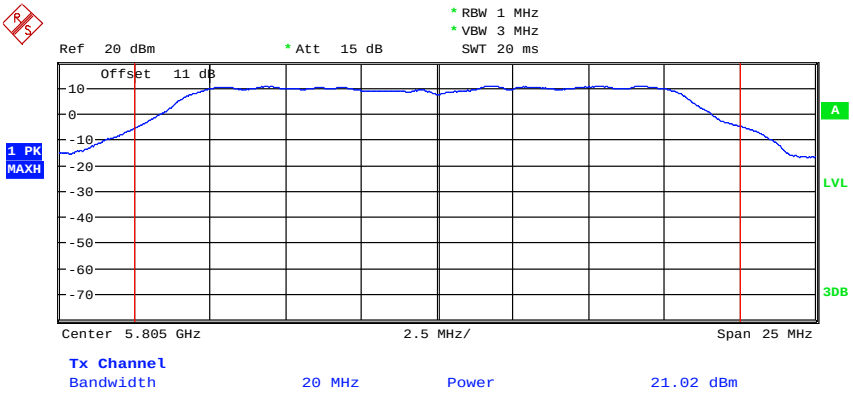


MAX OUTPUT POWER 802.11A CH149
Date: 19.FEB.2014 12:20:55



MAX OUTPUT POWER 802.11A CH157

Date: 19.FEB.2014 12:21:36

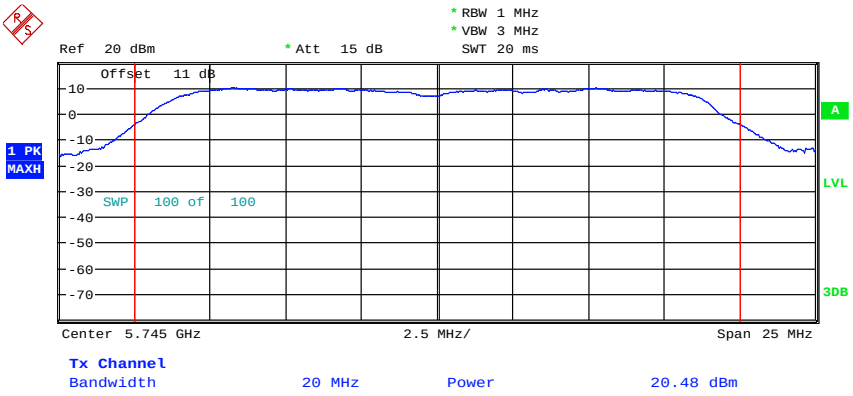


MAX OUTPUT POWER 802.11A CH161

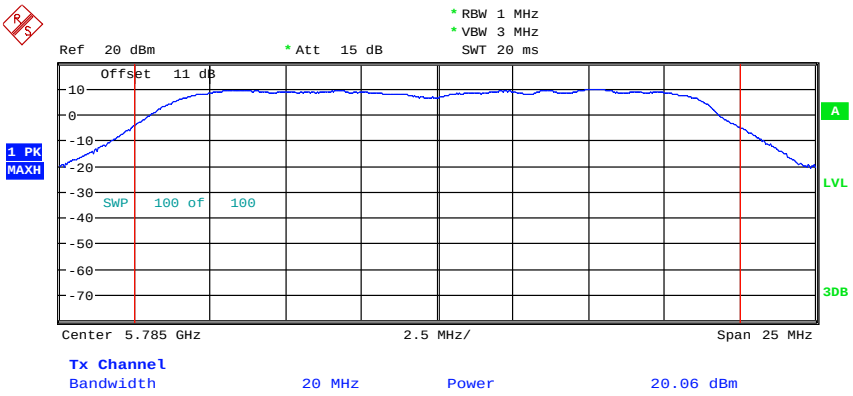
Date: 21.FEB.2014 10:11:11

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode B

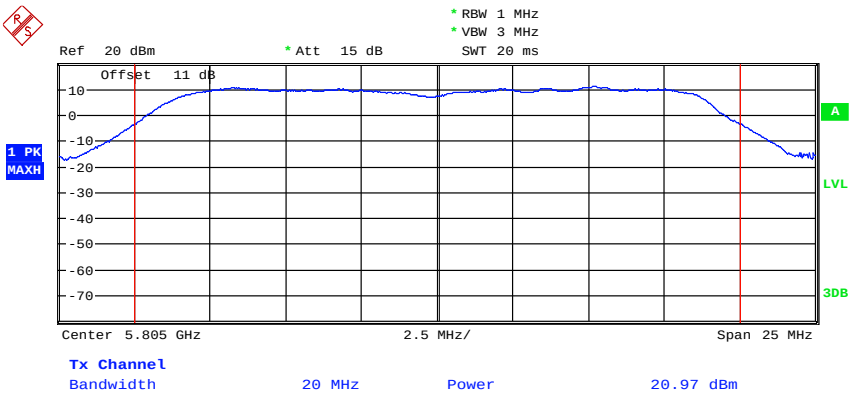


MAX OUTPUT POWER 802.11N 20MHZ CH149
Date: 21.FEB.2014 09:01:47



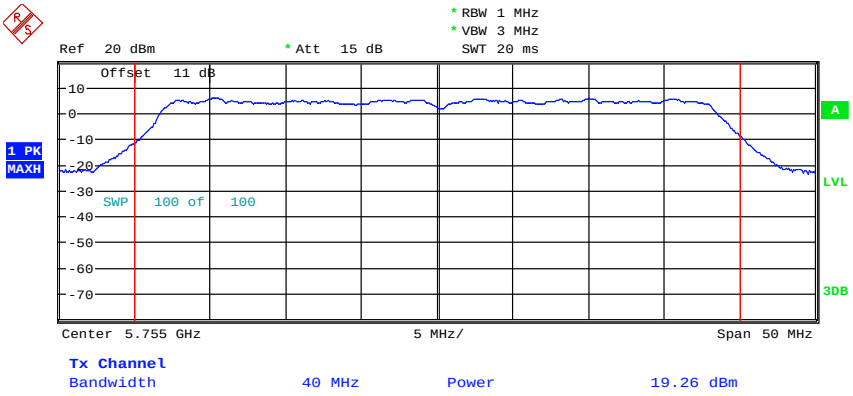
MAX OUTPUT POWER 802.11N 20MHZ CH157
Date: 21.FEB.2014 09:02:40

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



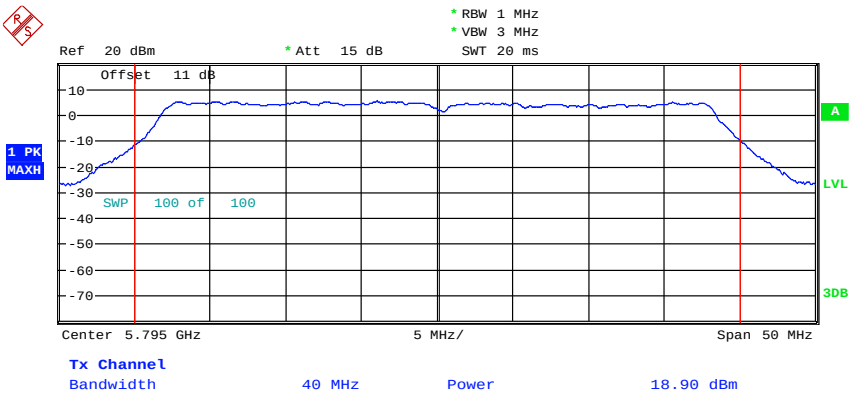
MAX OUTPUT POWER 802.11N 20MHZ CH161
Date: 21.FEB.2014 10:11:53

Mode C



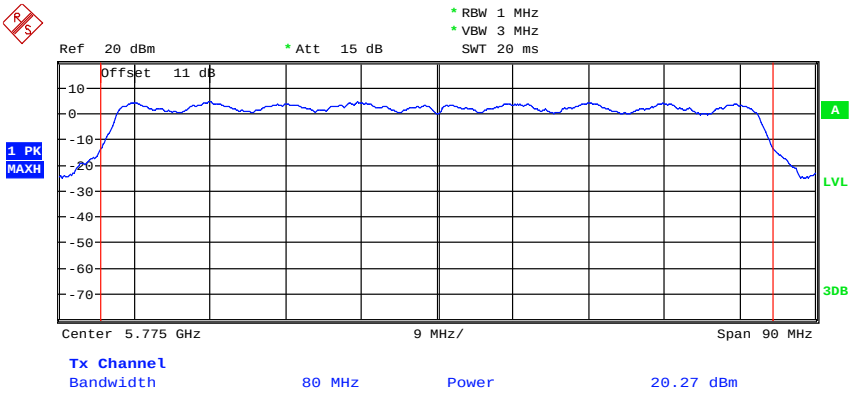
MAX OUTPUT POWER 802.11N 40MHZ CH151
Date: 21.FEB.2014 09:03:46

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



MAX OUTPUT POWER 802.11N 40MHZ CH159
Date: 21.FEB.2014 09:04:45

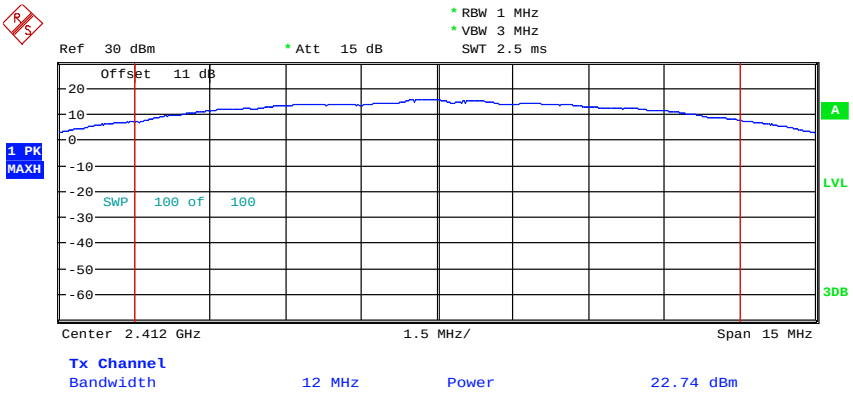
Mode D



MAX OUTPUT POWER 802.11AC CH155
Date: 21.FEB.2014 10:13:30

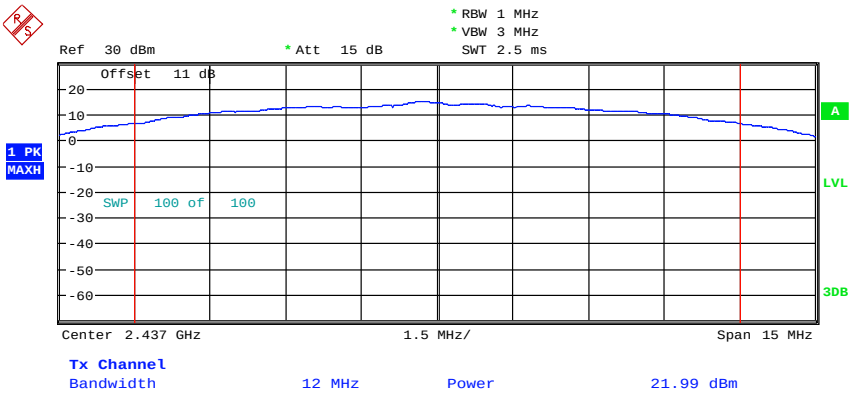
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode E



MAX OUTPUT POWER 802.11B CH01

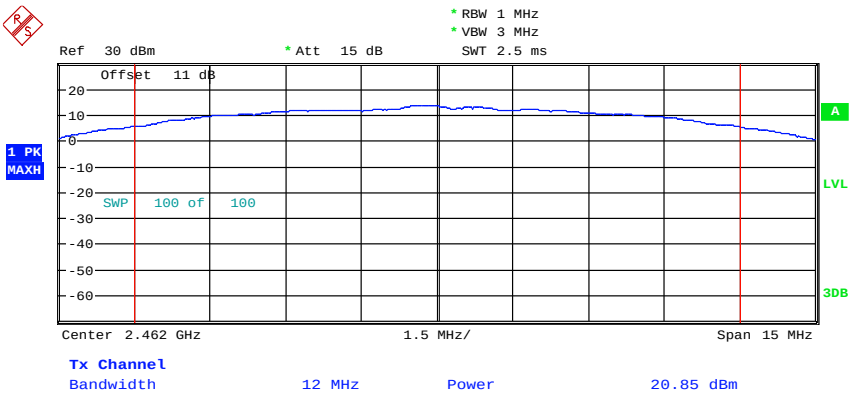
Date: 19.FEB.2014 10:17:08



MAX OUTPUT POWER 802.11B CH06

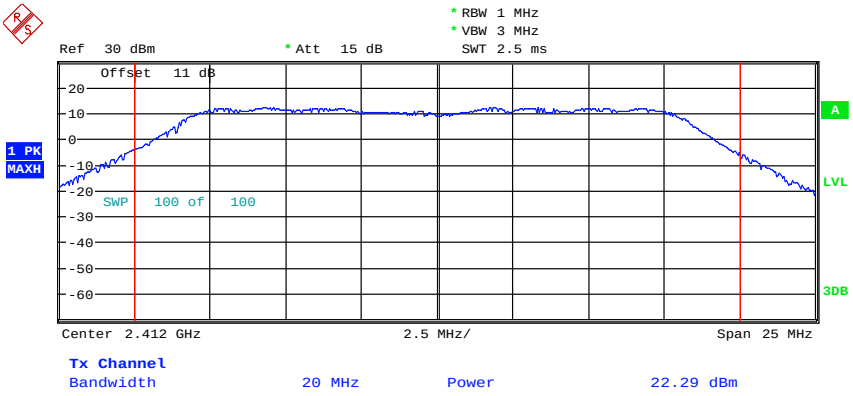
Date: 19.FEB.2014 10:18:05

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

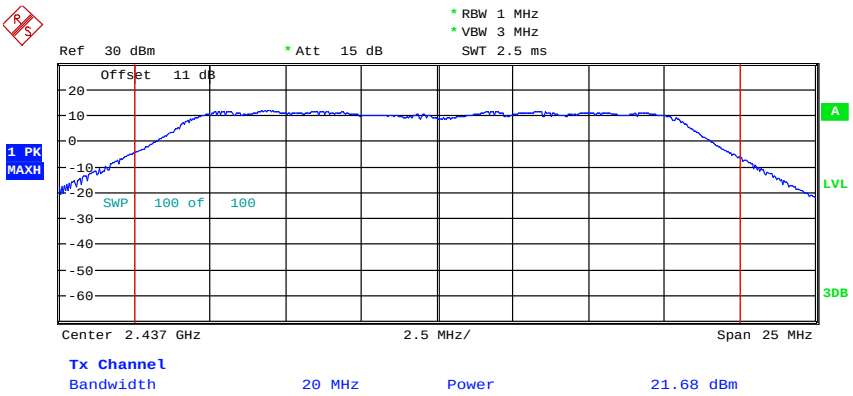


MAX OUTPUT POWER 802.11B CH11
Date: 19.FEB.2014 10:18:40

Mode F

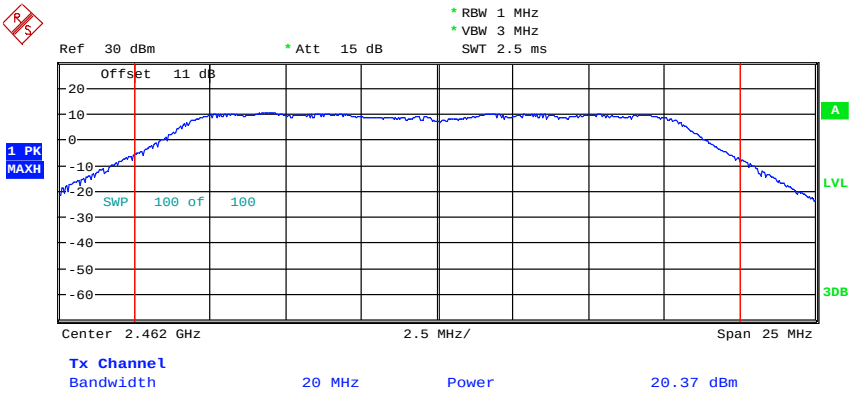


MAX OUTPUT POWER 802.11G CH01
Date: 19.FEB.2014 10:21:45



MAX OUTPUT POWER 802.11G CH06

Date: 19.FEB.2014 10:23:02

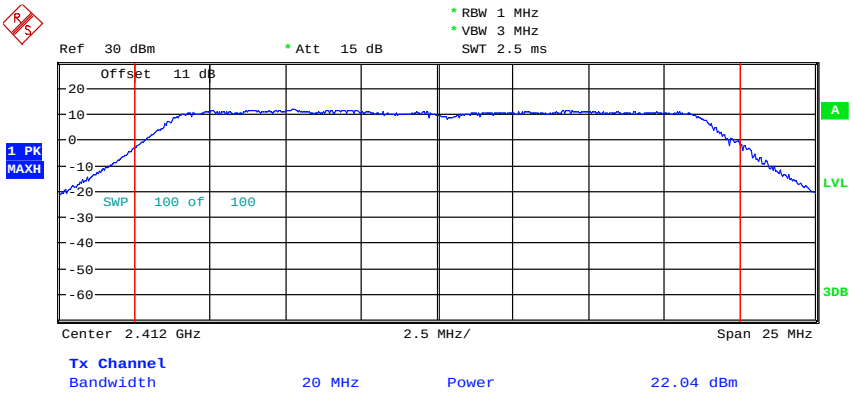


MAX OUTPUT POWER 802.11G CH11

Date: 19.FEB.2014 10:23:55

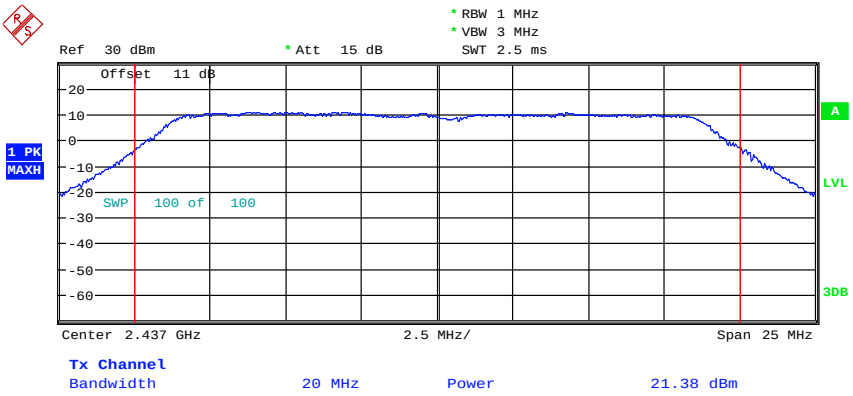
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode G



MAX OUTPUT POWER 802.11N 20MHZ CH01

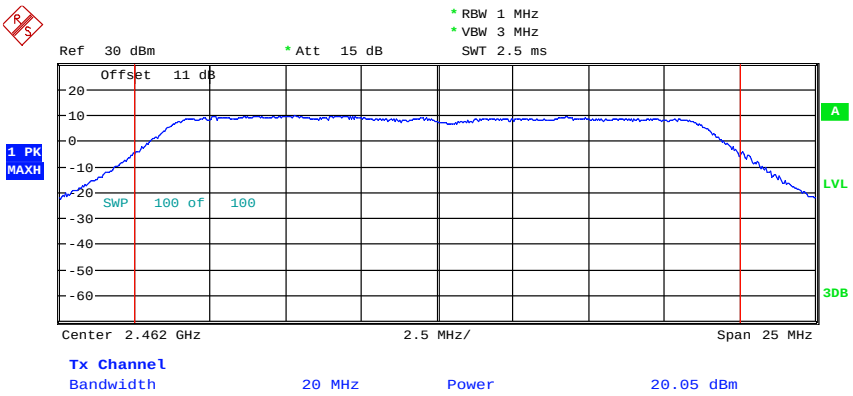
Date: 19.FEB.2014 10:25:16



MAX OUTPUT POWER 802.11N 20MHZ CH06

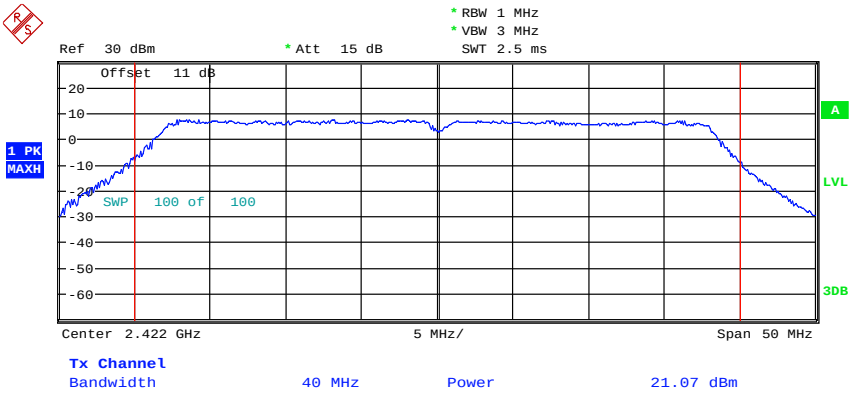
Date: 19.FEB.2014 10:26:10

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

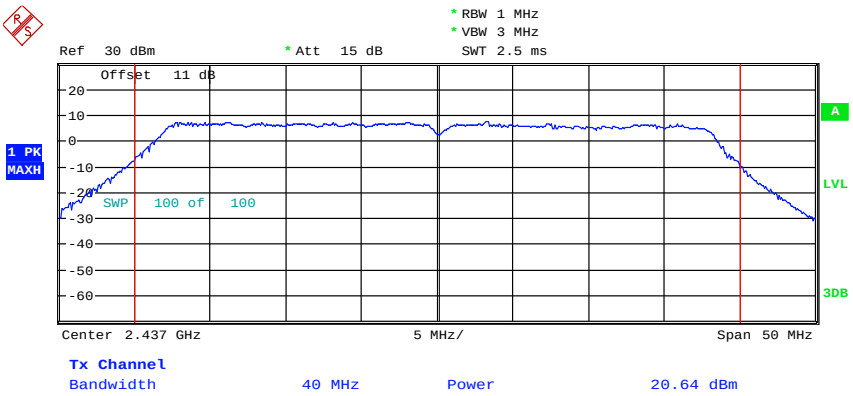


MAX OUTPUT POWER 802.11N 20MHZ CH11
Date: 19.FEB.2014 10:26:59

Mode H

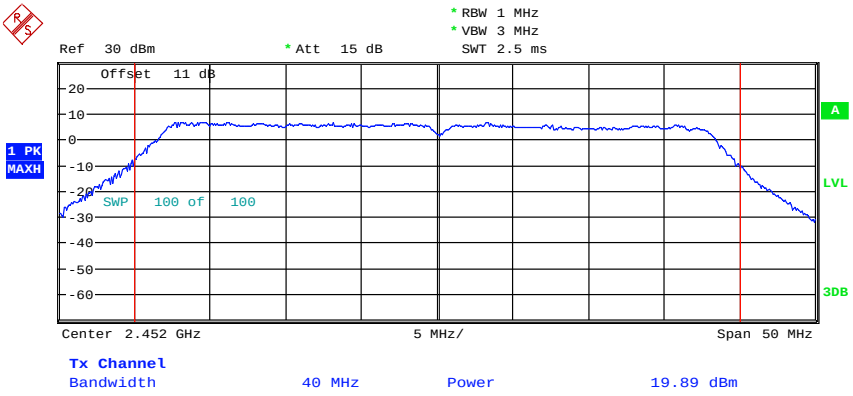


MAX OUTPUT POWER 802.11N 40MHZ CH01
Date: 19.FEB.2014 10:27:57



MAX OUTPUT POWER 802.11N 40MHZ CH04

Date: 19.FEB.2014 10:28:54

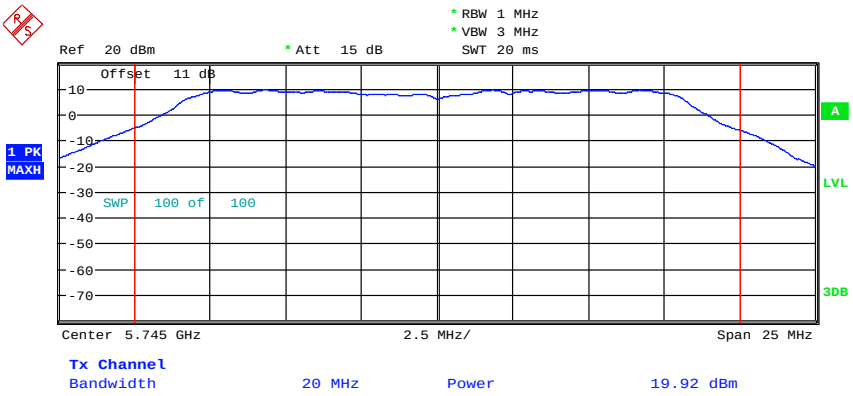


MAX OUTPUT POWER 802.11N 40MHZ CH07

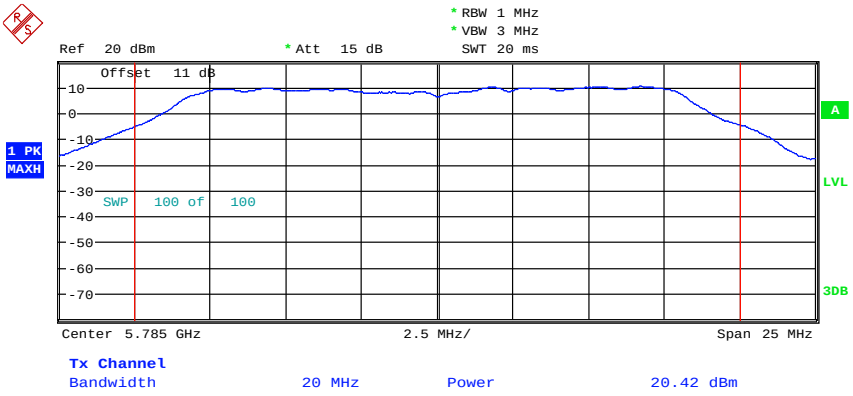
Date: 19.FEB.2014 10:29:30

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna B
Mode A

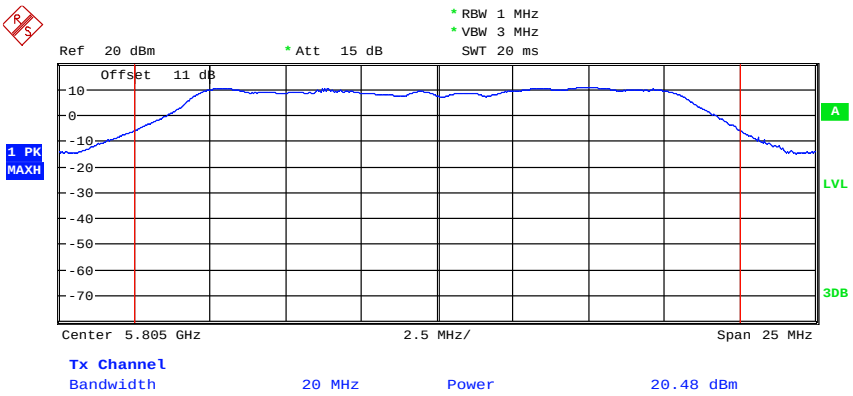


MAX OUTPUT POWER 802.11A CH149
Date: 19.FEB.2014 11:41:44



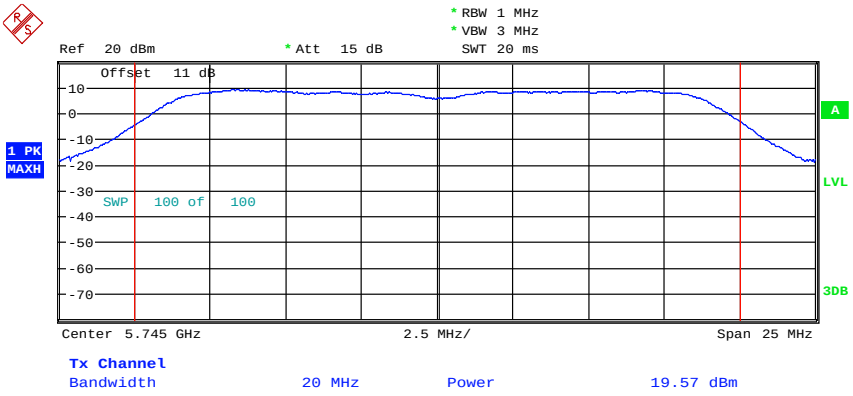
MAX OUTPUT POWER 802.11A CH157
Date: 19.FEB.2014 11:42:36

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

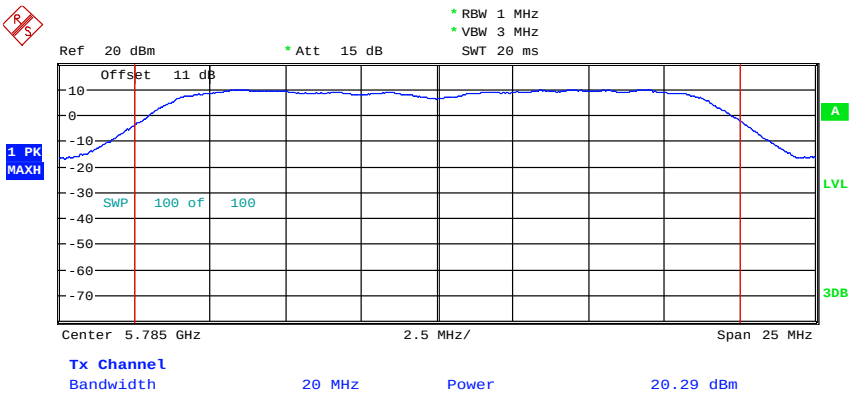


MAX OUTPUT POWER 802.11A CH161
Date: 21.FEB.2014 07:00:43

Mode B

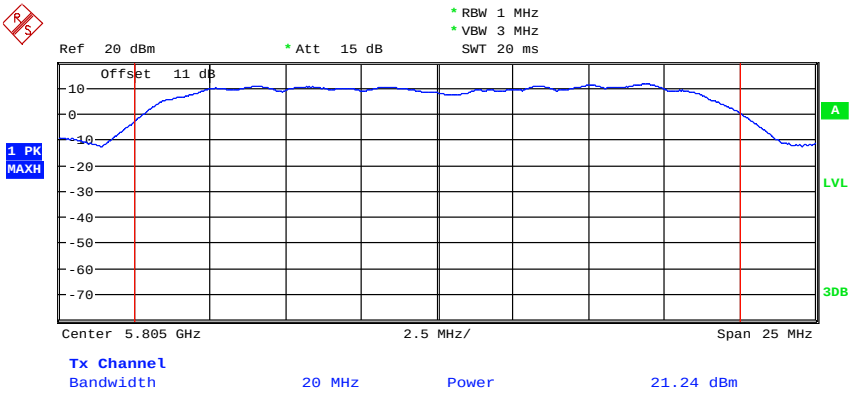


MAX OUTPUT POWER 802.11N 20MHZ CH149
Date: 21.FEB.2014 06:12:56



MAX OUTPUT POWER 802.11N 20MHZ CH157

Date: 21.FEB.2014 06:13:47

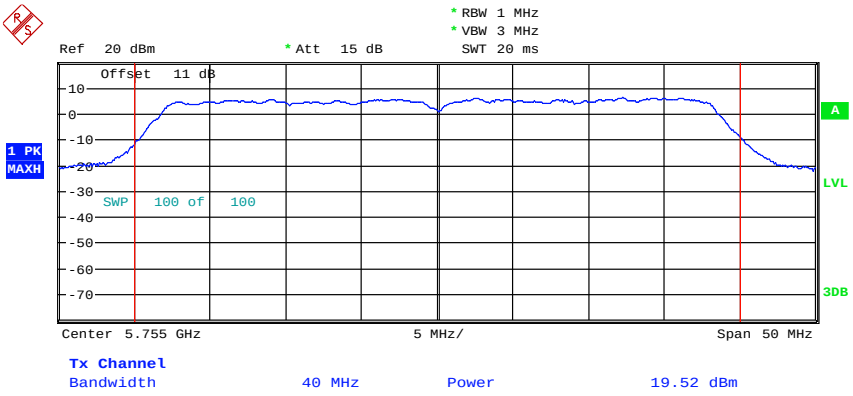


MAX OUTPUT POWER 802.11N 20MHZ CH161

Date: 21.FEB.2014 06:59:58

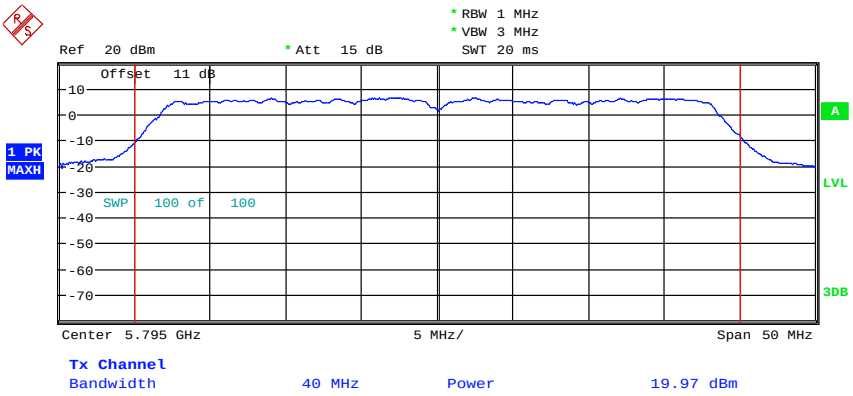
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode C



MAX OUTPUT POWER 802.11N 40MHZ CH151

Date: 21.FEB.2014 06:14:43

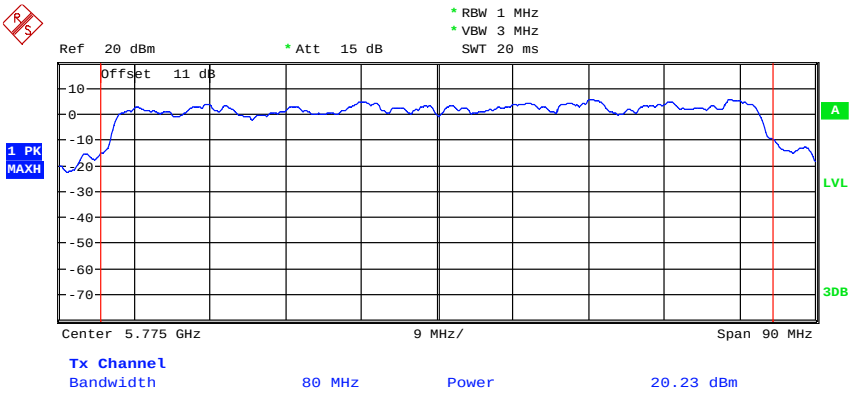


MAX OUTPUT POWER 802.11N 40MHZ CH159

Date: 21.FEB.2014 06:15:43

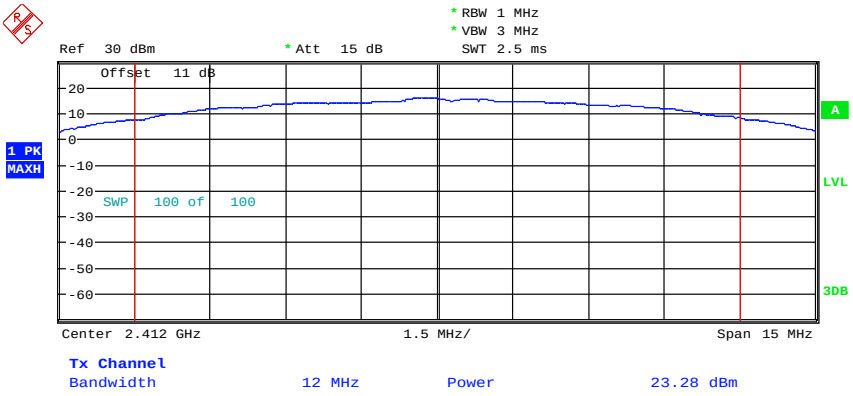
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode D

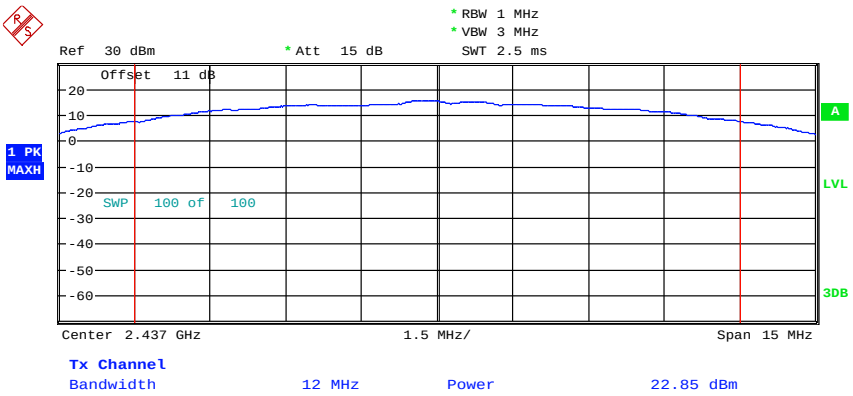


MAX OUTPUT POWER 802.11AC CH155
Date: 21.FEB.2014 08:47:59

Mode E

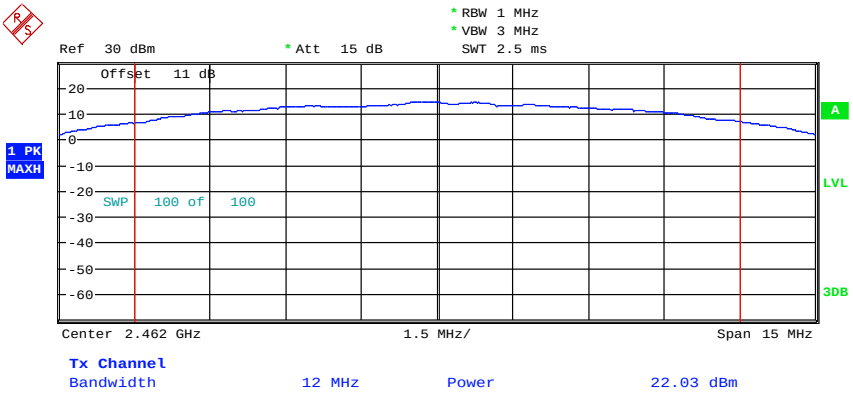


MAX OUTPUT POWER 802.11B CH01
Date: 19.FEB.2014 11:01:11



MAX OUTPUT POWER 802.11B CH06

Date: 19.FEB.2014 11:01:51

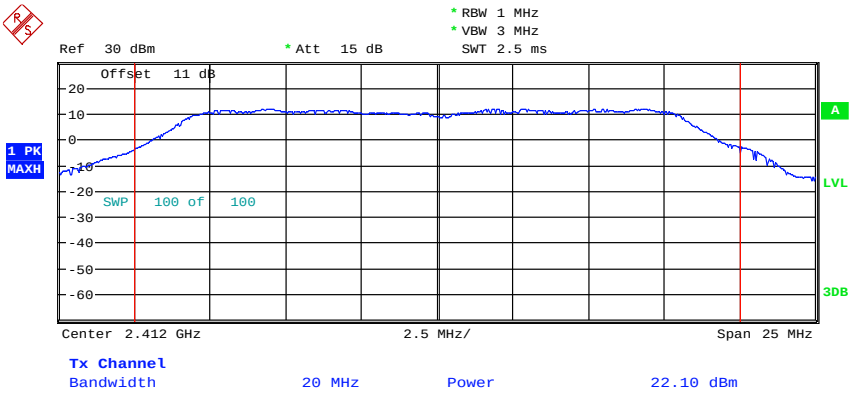


MAX OUTPUT POWER 802.11B CH11

Date: 19.FEB.2014 11:02:36

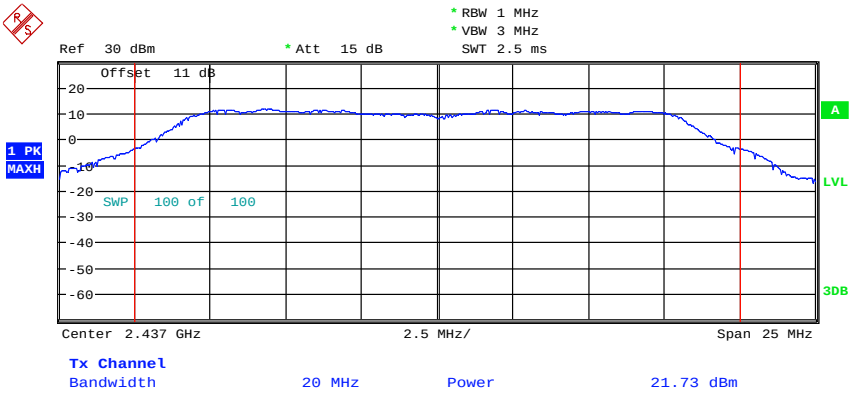
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode F



MAX OUTPUT POWER 802.11G CH01

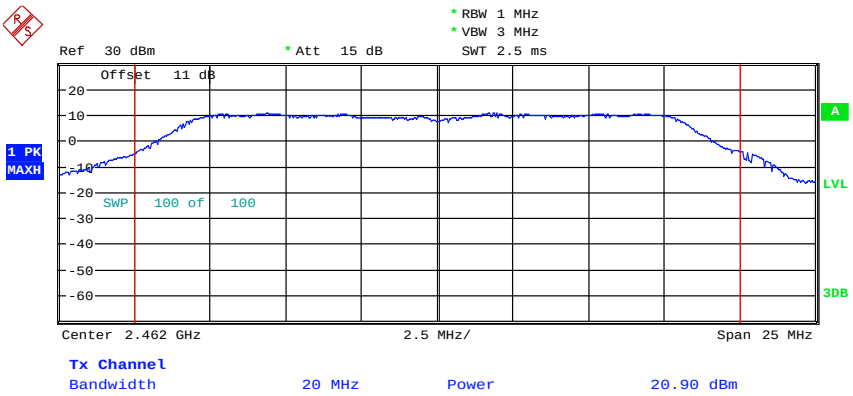
Date: 19.FEB.2014 11:03:48



MAX OUTPUT POWER 802.11G CH06

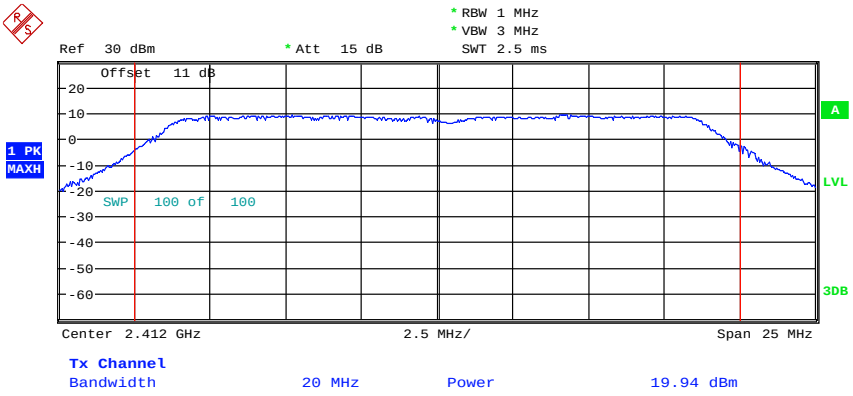
Date: 19.FEB.2014 11:04:26

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

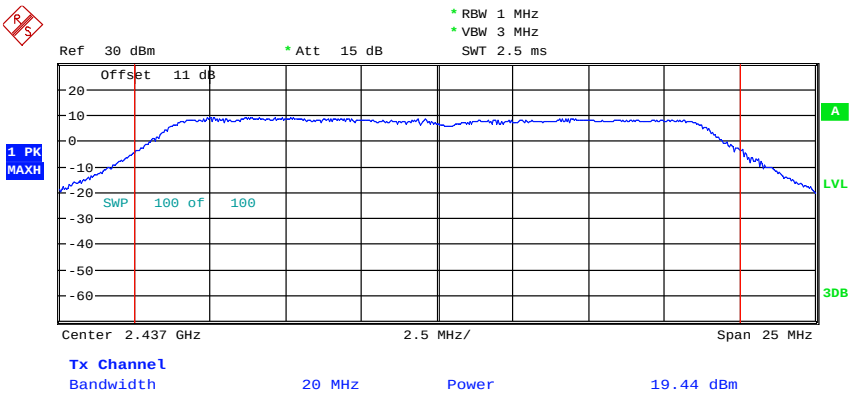


MAX OUTPUT POWER 802.11G CH11
Date: 19.FEB.2014 11:05:27

Mode G

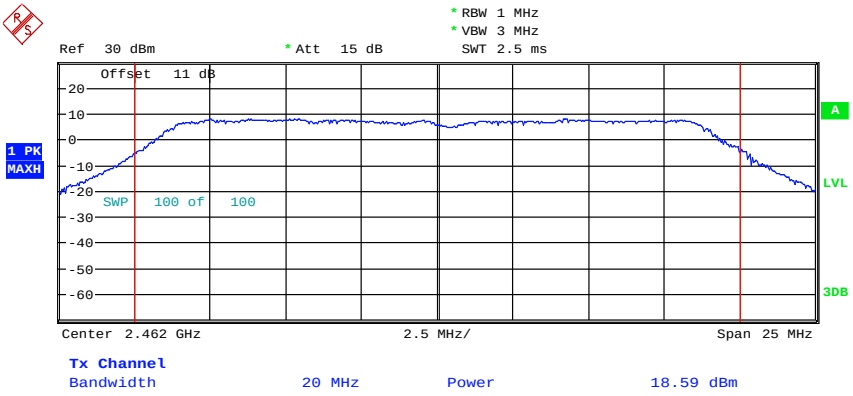


MAX OUTPUT POWER 802.11N 20MHZ CH01
Date: 19.FEB.2014 11:06:09



MAX OUTPUT POWER 802.11N 20MHZ CH06

Date: 19.FEB.2014 11:06:58

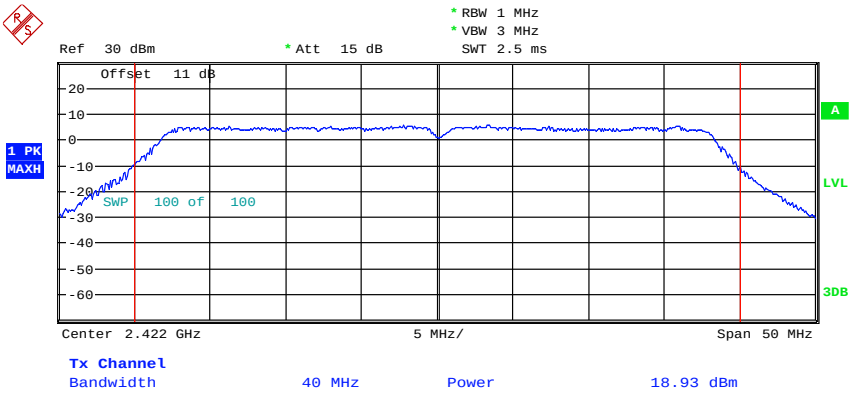


MAX OUTPUT POWER 802.11N 20MHZ CH11

Date: 19.FEB.2014 11:07:33

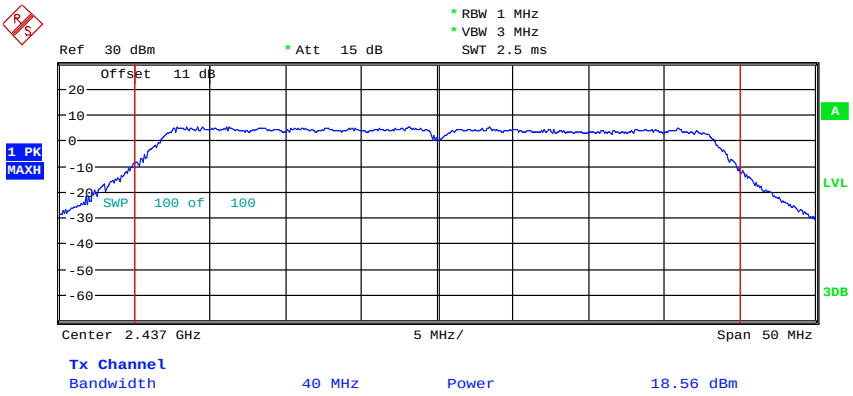
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode H



MAX OUTPUT POWER 802.11N 40MHZ CH01

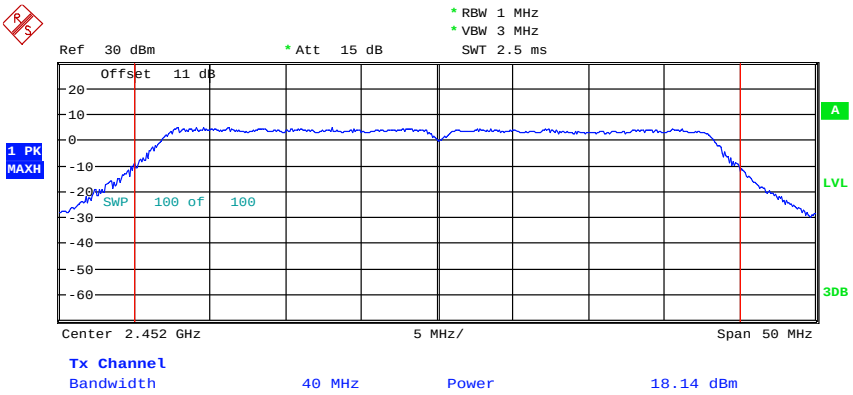
Date: 19.FEB.2014 11:08:24



MAX OUTPUT POWER 802.11N 40MHZ CH04

Date: 19.FEB.2014 11:09:02

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



MAX OUTPUT POWER 802.11N 40MHZ CH07
Date: 19.FEB.2014 11:09:39

Antenna A	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz(5.8GHz)	111.69	101.39	125.03	20.48	20.06	20.97
802.11n 40MHz	84.33	--	77.62	19.26	--	18.9
802.11ac	106.41	--	--	20.27	--	--
802.11n 20MHz(2.4GHz)	159.96	137.40	101.16	22.04	21.38	20.05
802.11n 40MHz	127.94	115.88	97.50	21.07	20.64	19.89
Antenna B	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz(5.8GHz)	90.57	106.91	133.05	19.57	20.29	21.24
802.11n 40MHz	89.54	--	99.31	19.52	--	19.97
802.11ac	105.44	--	--	20.23	--	--
802.11n 20MHz(2.4GHz)	98.63	87.90	72.28	19.94	19.44	18.59
802.11n 40MHz	78.16	71.78	65.16	18.93	18.56	18.14
Combine	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz(5.8GHz)	202.26	208.30	258.08	23.06	23.19	24.12
802.11n 40MHz	173.87	--	176.93	22.40	--	22.48
802.11ac	211.85	--	--	23.26	--	--
802.11n 20MHz(2.4GHz)	258.59	225.30	173.44	24.13	23.53	22.39
802.11n 40MHz	206.10	187.66	162.66	23.14	22.73	22.11

Limits:

Frequency MHz	Power dBm
902 - 928	30
2400 – 2483.5	30
5725 – 5850	30

In case of employing transmitter antennas having antenna gain ＞ 6 dBi and using fixed point-to point operation consider §15.247 (b)(4)

Test equipment used: ETSTW-RE 055, ETSTW-RE 050

3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)
EIRP = max. conducted output power + antenna gain

5.8GHz:802.11a
EIRP = 21.02 dBm + 7.01 dBi
= 28.03 dBm
5.8GHz:802.11n(20MHz), 802.11n(40MHz)
EIRP = 24.12 dBm + 7.01 dBi
= 31.13 dBm
5.8GHz:802.11ac
EIRP = 23.26 dBm + 7.01 dBi
= 30.27 dBm
2.4GHz:802.11b/g
EIRP = 23.28 dBm + 5.01 dBi
= 28.29 dBm
2.4GHz: 802.11n(20MHz), 802.11n(40MHz)
EIRP = 24.13 dBm + 5.01 dBi
= 29.14 dBm

Limit: EIRP = +36 dBm for Antenna gain <6dBi

Test equipment used: ETSTW-RE 055

3.3 RF Exposure Compliance Requirements

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.
The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

$$S = \frac{PG}{4\pi R^2}$$

S – Power Density
P – Output power ERP
R – Distance
D – Cable Loss
AG – Antenna Gain

5.8GHz:802.11a

Item	Unit	Value	**Remarks**
P	mW	126.4736	Peak value
D	dB		
AG	dBi	7.01	
G		5.0234	Calculated Value
R	cm	20	Assumed value
S	mW/cm2	0.1264	Calculated value

5.8GHz:802.11n(20MHz), 802.11n(40MHz)

Item	Unit	Value	**Remarks**
P	mW	258.2260	Peak value
D	dB		
AG	dBi	7.01	
G		5.0234	Calculated Value
R	cm	20	Assumed value
S	mW/cm2	0.2581	Calculated value

5.8GHz:802.11ac

Item	Unit	Value	**Remarks**
P	mW	211.8361	Peak value
D	dB		
AG	dBi	7.01	
G		5.0234	Calculated Value
R	cm	20	Assumed value
S	mW/cm2	0.2117	Calculated value

802.11b/g

Item	Unit	Value	**Remarks**
P	mW	212.8139	Peak value
D	dB		
AG	dBi	5.01	
G		3.1696	Calculated Value
R	cm	20	Assumed value
S	mW/cm2	0.1342	Calculated value

2.4G:802.11n(20MHz), 802.11n(40MHz)

Item	Unit	Value	**Remarks**
P	mW	258.8213	Peak value
D	dB		
AG	dBi	5.01	
G		3.1696	Calculated Value
R	cm	20	Assumed value
S	mW/cm2	0.1632	Calculated value

Limits:

Limit for General Population / Uncontrolled Exposure	
Frequency (MHz)	Power Density (mW/cm^2)
1500 – 100.000	1.0

3.4 Transmitter Radiated Emissions in Restricted Bands

FCC Rules: 15.247 (c), 15.205, 15.209, 15.35
Radiated emission measurements were performed from 30 MHz to 26500 MHz.
For radiated emission tests, the analyzer setting was as followings:

Frequency ≦ 1 GHz, RBW:100 kHz, VBW: 100 kHz (Peak measurements)
Frequency ＞1 GHz, RBW: 1 MHz, VBW: 1 MHz (Peak measurements)
Frequency ＞1 GHz , RBW:1 MHz , VBW: 10 Hz (Average measurements)

Limits.

For frequencies below 1GHz:

Frequency of Emission (MHz)	Field strength (microvolts/meter)	Field Strength (dB microvolts/meter)
30 - 88	100	40.0
88 - 216	150	43.5
216 - 960	200	46.0
Above	500	54.0

For frequencies above 1GHz (Average measurements).

Guidance on Measurement of Digit Transmission Systems:
“If the emission is pulsed, modify the unit for continuous operation, use the setting shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.”

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

Duty cycle correction = 20 log (dwell time/ 100ms)

Note: No duty cycle correction was added to the reading of this EUT.

Explanation: see attached diagrams in Appendix.

3.5 Spurious Emissions (tx)

Spurious emission was measured with modulation (declared by manufacturer).

In any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c))

FCC Rule: 15.247(c), 15.35
For out of band emissions that are close to or that exceed the 20 dB attenuation requirement described in the specification, radiated measurements were performed at a 3 m separation distance to determine whether these emissions complied with the general radiated emission requirement.

Limits:

For frequencies above 1GHz (Peak measurements).
Modified Limit for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

For frequencies above 1GHz (Average measurements).
Max. reading – 20dB

Max. reading – 20 dB
Guidance on Measurement of Digit Transmission Systems:
“If the emission is pulsed, modify the unit for continuous operation, use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.”

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

Duty Cycle correction = 20 log (dwell time/100ms)

Note: No duty cycle correction was added to the reading of EUT.

SAMPLE CALCULATION OF LIMIT. All results will be updated by an automatic measuring system in accordance with point 2.3.

Calculation of test results:
Such factors like antenna correction, cable loss, external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according the accreditation requirements.

The peak and average spurious emission plots was measured with the average limits.
In the Table being listed the critical peak and average value and exhibit the compliance with the above calculated Limits.

If in the column's correction factor states a value then the max. Field strength in the same row is corrected by a value gained from the "Correction Factor".

Summary table with radiated data of the test plots
Antenna A

Model: PCI20E Date: 2014/02/09~2014/02/15
Mode: 802.11a 5745MHz Temperature: 24 °C Engineer: Leon
Polarization: Horizontal Humidity: 60 %

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
232.1643	13.86	peak	13.98	27.84	46.00	-18.16	75	100
300.2004	12.93	peak	16.00	28.93	46.00	-17.07	160	100
335.1904	13.02	peak	16.91	29.93	46.00	-16.07	155	100
368.2365	10.80	peak	17.73	28.53	46.00	-17.47	80	100

Frequency (MHz)	Reading (dBuV) Peak	Reading (dBuV) Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Result @3m (dBuV/m) Ave.	Limit @3m (dBuV/m) Peak	Limit @3m (dBuV/m) Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11490.0000	36.48	---	12.09	48.57	---	74.00	54.00	-25.43	125	100
17235.0000	27.80	---	20.39	48.19	---	74.00	54.00	-25.81	230	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.64	peak	10.89	29.53	43.50	-13.97	135	100
166.0721	11.06	peak	15.03	26.09	43.50	-17.41	140	100
300.2004	12.71	peak	16.00	28.71	46.00	-17.29	170	100
502.3647	10.46	peak	20.96	31.42	46.00	-14.58	90	100

Frequency (MHz)	Reading (dBuV) Peak	Reading (dBuV) Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Result @3m (dBuV/m) Ave.	Limit @3m (dBuV/m) Peak	Limit @3m (dBuV/m) Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11490.0000	35.51	---	12.09	47.60	---	74.00	54.00	-26.40	175	100
17235.0000	27.54	---	20.39	47.93	---	74.00	54.00	-26.07	70	100

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Mode: 802.11a 5785MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
234.1082	13.75	peak	14.02	27.77	46.00	-18.23	115	100
300.2004	13.47	peak	16.00	29.47	46.00	-16.53	70	100
335.1904	12.26	peak	16.91	29.17	46.00	-16.83	80	100
368.2365	10.95	peak	17.73	28.68	46.00	-17.32	165	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11570.0000	35.52	---	12.47	47.99	---	74.00	54.00	-26.01	235	100
17316.1320	29.11	---	20.96	50.07	---	74.00	54.00	-23.93	175	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	17.16	peak	10.89	28.05	43.50	-15.45	95	100
166.0721	10.69	peak	15.03	25.72	43.50	-17.78	60	100
300.2004	12.94	peak	16.00	28.94	46.00	-17.06	140	100
502.3647	9.24	peak	20.96	30.20	46.00	-15.80	70	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11579.1580	38.97	---	12.51	51.48	---	74.00	54.00	-22.52	85	100
17355.0000	28.02	---	20.33	48.35	---	74.00	54.00	-25.65	130	100

Mode: 802.11a 5825MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
232.1643	13.86	peak	13.98	27.84	46.00	-18.16	255	100
300.2004	13.92	peak	16.00	29.92	46.00	-16.08	80	100
335.1904	12.14	peak	16.91	29.05	46.00	-16.95	170	100
368.2364	11.97	peak	17.73	29.70	46.00	-16.30	95	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11617.2350	37.08	---	12.51	49.59	---	74.00	54.00	-24.41	235	100
17415.0000	27.65	---	19.73	47.38	---	74.00	54.00	-26.62	140	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.16	peak	10.89	29.05	43.50	-14.45	35	100
168.0160	12.84	peak	14.91	27.75	43.50	-15.75	110	100
300.2004	12.35	peak	16.00	28.35	46.00	-17.65	175	100
498.4770	10.55	peak	20.87	31.42	46.00	-14.58	90	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11617.2350	36.59	---	12.51	49.10	---	74.00	54.00	-24.90	120	100
17415.0000	28.04	---	19.73	47.77	---	74.00	54.00	-26.23	105	100

Mode: 802.11b 2412MHz

Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
300.2004	14.36	peak	16.00	30.36	46.00	-15.64	80	100
640.3808	12.53	peak	23.51	36.04	46.00	-9.96	75	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4824.0000	43.70	---	0.56	44.26	---	74.00	54.00	-29.74	55	100
7236.0000	40.58	---	3.93	44.51	---	74.00	54.00	-29.49	160	100
9648.0000	35.31	---	7.98	43.29	---	74.00	54.00	-30.71	230	100
12060.0000	34.05	---	13.03	47.08	---	74.00	54.00	-26.92	140	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.36	peak	10.89	29.25	43.50	-14.25	155	100
164.1283	11.21	peak	15.15	26.36	43.50	-17.14	90	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4824.0000	47.21	---	0.56	47.77	---	74.00	54.00	-26.23	75	100
7236.0000	41.16	---	3.93	45.09	---	74.00	54.00	-28.91	90	100
9637.2750	37.08	---	8.00	45.08	---	74.00	54.00	-28.92	125	100
12060.0000	34.29	---	13.03	47.32	---	74.00	54.00	-26.68	130	100

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FCC ID: ZTT-PCI20E

Mode: 802.11b 2437MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
300.2004	14.37	peak	16.00	30.37	46.00	-15.63	135	100
640.3808	12.54	peak	23.51	36.05	46.00	-9.95	105	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4873.7480	43.88	---	0.70	44.58	---	74.00	54.00	-29.42	130	100
7311.0000	40.88	---	3.74	44.62	---	74.00	54.00	-29.38	55	100
9748.0000	35.15	---	8.30	43.45	---	74.00	54.00	-30.55	265	100
12185.0000	32.25	---	13.62	45.87	---	74.00	54.00	-28.13	170	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	17.49	peak	10.89	28.38	43.50	-15.12	115	100
162.1844	9.77	peak	15.27	25.04	43.50	-18.46	70	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4873.7480	43.81	---	0.70	44.51	---	74.00	54.00	-29.49	90	100
7311.0000	40.87	---	3.74	44.61	---	74.00	54.00	-29.39	125	100
9748.0000	35.32	---	8.30	43.62	---	74.00	54.00	-30.38	75	100
12185.0000	32.07	---	13.62	45.69	---	74.00	54.00	-28.31	40	100

Mode: 802.11b 2462MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
368.2365	12.47	peak	17.73	30.20	46.00	-15.80	160	100
640.3808	12.70	peak	23.51	36.21	46.00	-9.79	45	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4921.8440	45.85	---	0.92	46.77	---	74.00	54.00	-27.23	80	100
7386.0000	40.11	---	3.92	44.03	---	74.00	54.00	-29.97	155	100
9848.0000	36.15	---	8.67	44.82	---	74.00	54.00	-29.18	145	100
12310.0000	34.30	---	14.38	48.68	---	74.00	54.00	-25.32	130	100

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FCC ID: ZTT-PCI20E

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	17.70	peak	10.89	28.59	43.50	-14.91	75	100
164.1283	10.19	peak	15.15	25.34	43.50	-18.16	130	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4921.8440	46.17	---	0.92	47.09	---	74.00	54.00	-26.91	130	100
7386.0000	40.56	---	3.92	44.48	---	74.00	54.00	-29.52	55	100
9848.0000	34.98	---	8.67	43.65	---	74.00	54.00	-30.35	205	100
12310.0000	35.10	---	14.38	49.48	---	74.00	54.00	-24.52	110	100

Mode: 802.11g 2412MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
366.2926	12.75	peak	17.66	30.41	46.00	-15.59	110	100
640.3808	12.93	peak	23.51	36.44	46.00	-9.56	245	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4824.0000	41.45	---	0.56	42.01	---	74.00	54.00	-31.99	115	100
7236.0000	40.52	---	3.93	44.45	---	74.00	54.00	-29.55	160	100
9648.0000	35.07	---	7.98	43.05	---	74.00	54.00	-30.95	235	100
12060.0000	34.56	---	13.03	47.59	---	74.00	54.00	-26.41	90	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	19.64	peak	10.89	30.53	43.50	-12.97	155	100
640.3808	9.49	peak	23.51	33.00	46.00	-13.00	130	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4824.0000	41.91	---	0.56	42.47	---	74.00	54.00	-31.53	70	100
7236.0000	40.99	---	3.93	44.92	---	74.00	54.00	-29.08	135	100
9648.0000	34.45	---	7.98	42.43	---	74.00	54.00	-31.57	160	100
12060.0000	34.04	---	13.03	47.07	---	74.00	54.00	-26.93	140	100

Mode: 802.11g 2437MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
300.2004	13.61	peak	16.00	29.61	46.00	-16.39	235	100
640.3808	11.86	peak	23.51	35.37	46.00	-10.63	140	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4874.0000	42.33	---	0.70	43.03	---	74.00	54.00	-30.97	95	100
7311.0000	40.41	---	3.74	44.15	---	74.00	54.00	-29.85	160	100
9748.0000	34.98	---	8.30	43.28	---	74.00	54.00	-30.72	105	100
12185.0000	33.97	---	13.62	47.59	---	74.00	54.00	-26.41	140	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	19.12	peak	10.89	30.01	43.50	-13.49	105	100
640.3808	8.94	peak	23.51	32.45	46.00	-13.55	130	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4874.0000	42.13	---	0.70	42.83	---	74.00	54.00	-31.17	230	100
7311.0000	40.62	---	3.74	44.36	---	74.00	54.00	-29.64	115	100
9748.0000	36.16	---	8.30	44.46	---	74.00	54.00	-29.54	125	100
12185.0000	32.91	---	13.62	46.53	---	74.00	54.00	-27.47	140	100

Mode: 802.11g 2462MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
368.2365	12.42	peak	17.73	30.15	46.00	-15.85	165	100
640.3808	12.55	peak	23.51	36.06	46.00	-9.94	90	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4924.0000	41.57	---	0.93	42.50	---	74.00	54.00	-31.50	90	100
7386.0000	40.70	---	3.92	44.62	---	74.00	54.00	-29.38	110	100
9848.0000	34.92	---	8.67	43.59	---	74.00	54.00	-30.41	175	100
12310.0000	35.11	---	14.38	49.49	---	74.00	54.00	-24.51	80	100

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Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	17.94	peak	10.89	28.83	43.50	-14.67	215	100
166.0721	11.04	peak	15.03	26.07	43.50	-17.43	170	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4924.0000	41.85	---	0.93	42.78	---	74.00	54.00	-31.22	130	100
7386.0000	40.09	---	3.92	44.01	---	74.00	54.00	-29.99	150	100
9848.0000	35.23	---	8.67	43.90	---	74.00	54.00	-30.10	95	100
12310.0000	34.95	---	14.38	49.33	---	74.00	54.00	-24.67	110	100

Antenna B

Mode: 802.11a 5745MHz

Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
232.1643	13.75	peak	13.98	27.73	46.00	-18.27	170	100
300.2004	13.77	peak	16.00	29.77	46.00	-16.23	135	100
335.1904	12.12	peak	16.91	29.03	46.00	-16.97	60	100
368.2365	10.83	peak	17.73	28.56	46.00	-17.44	80	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11483.9680	36.69	---	12.03	48.72	---	74.00	54.00	-25.28	165	100
17235.0000	27.89	---	20.39	48.28	---	74.00	54.00	-25.72	50	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	17.93	peak	10.89	28.82	43.50	-14.68	85	100
164.1283	11.49	peak	15.15	26.64	43.50	-16.86	160	100
368.2365	11.91	peak	17.73	29.64	46.00	-16.36	110	100
500.4208	9.20	peak	20.92	30.12	46.00	-15.88	145	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
9789.5790	36.89	---	8.63	45.52	---	74.00	54.00	-8.48	230	100
11493.4870	43.50	40.50	12.13	55.63	52.63	74.00	54.00	-1.37	243	100

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FCC ID: ZTT-PCI20E

Mode: 802.11a 5785MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
232.1643	13.92	peak	13.98	27.90	46.00	-18.10	110	100
300.2004	14.03	peak	16.00	30.03	46.00	-15.97	95	100
335.1904	12.84	peak	16.91	29.75	46.00	-16.25	130	100
368.2365	11.61	peak	17.73	29.34	46.00	-16.66	170	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11569.6390	37.01	---	12.47	49.48	---	74.00	54.00	-24.52	173	100
17355.0000	27.96	---	20.33	48.29	---	74.00	54.00	-25.71	135	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.55	peak	10.89	29.44	43.50	-14.06	45	100
166.0721	11.86	peak	15.03	26.89	43.50	-16.61	110	100
368.2365	10.62	peak	17.73	28.35	46.00	-17.65	270	100
498.4770	10.20	peak	20.87	31.07	46.00	-14.93	150	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11569.6390	39.14	---	12.47	51.61	---	74.00	54.00	-22.39	217	100
17355.0000	27.79	---	20.33	48.12	---	74.00	54.00	-25.88	95	100

Mode: 802.11a 5825MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
232.1643	14.01	peak	13.98	27.99	46.00	-18.01	165	100
300.2004	13.19	peak	16.00	29.19	46.00	-16.81	210	100
335.1904	12.59	peak	16.91	29.50	46.00	-16.50	170	100
368.2364	10.88	peak	17.73	28.61	46.00	-17.39	125	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11617.2350	37.34	---	12.51	49.85	---	74.00	54.00	-24.15	123	100
17415.0000	27.23	---	19.73	46.96	---	74.00	54.00	-27.04	195	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.63	peak	10.89	29.52	43.50	-13.98	60	100
164.1283	11.63	peak	15.15	26.78	43.50	-16.72	115	100
366.2926	11.11	peak	17.66	28.77	46.00	-17.23	140	100
502.3647	9.12	peak	20.96	30.08	46.00	-15.92	235	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11607.7150	38.43	---	12.55	50.98	---	74.00	54.00	-23.02	230	100
17415.0000	27.19	---	19.73	46.92	---	74.00	54.00	-27.08	190	100

Mode: 802.11b 2412MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
300.2004	14.21	peak	16.00	30.21	46.00	-15.79	45	100
640.3808	13.32	peak	23.51	36.83	46.00	-9.17	70	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4825.6510	43.09	---	0.56	43.65	---	74.00	54.00	-30.35	90	100
7236.0000	40.72	---	3.93	44.65	---	74.00	54.00	-29.35	155	100
9648.0000	35.88	---	7.98	43.86	---	74.00	54.00	-30.14	235	100
12060.0000	35.08	---	13.03	48.11	---	74.00	54.00	-25.89	160	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.34	peak	10.89	29.23	43.50	-14.27	130	100
502.3647	11.38	peak	20.96	32.34	46.00	-13.66	90	100

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Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4824.0000	44.43	---	0.56	44.99	---	74.00	54.00	-29.01	135	100
5170.3410	53.23	41.29	1.62	54.85	42.91	74.00	54.00	-11.09	0	100
7236.0000	41.75	---	3.93	45.68	---	74.00	54.00	-28.32	190	100
9648.0000	34.97	---	7.98	42.95	---	74.00	54.00	-31.05	255	100
12060.0000	34.88	---	13.03	47.91	---	74.00	54.00	-26.09	170	100

Mode: 802.11b 2437MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
300.2004	14.23	peak	16.00	30.23	46.00	-15.77	125	100
640.3808	13.44	peak	23.51	36.95	46.00	-9.05	80	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4873.7480	45.64	---	0.70	46.34	---	74.00	54.00	-27.66	135	100
7311.0000	40.93	---	3.74	44.67	---	74.00	54.00	-29.33	40	100
9748.0000	34.63	---	8.30	42.93	---	74.00	54.00	-31.07	225	100
12185.0000	33.35	---	13.62	46.97	---	74.00	54.00	-27.03	190	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	19.46	peak	10.89	30.35	43.50	-13.15	60	100
164.1283	10.80	peak	15.15	25.95	43.50	-17.55	135	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4873.7480	45.08	---	0.70	45.78	---	74.00	54.00	-28.22	120	100
7311.0000	40.57	---	3.74	44.31	---	74.00	54.00	-29.69	55	100
9748.0000	34.09	---	8.30	42.39	---	74.00	54.00	-31.61	65	100
12185.0000	32.67	---	13.62	46.29	---	74.00	54.00	-27.71	140	100

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FCC ID: ZTT-PCI20E

Mode: 802.11b 2462MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
366.2926	12.41	peak	17.66	30.07	46.00	-15.93	80	100
640.3808	12.44	peak	23.51	35.95	46.00	-10.05	175	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4921.8440	47.93	---	0.92	48.85	---	74.00	54.00	-25.15	165	100
7386.0000	40.40	---	3.92	44.32	---	74.00	54.00	-29.68	95	100
9848.0000	34.43	---	8.67	43.10	---	74.00	54.00	-30.90	75	100
12310.0000	34.43	---	14.38	48.81	---	74.00	54.00	-25.19	140	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.21	peak	10.89	29.10	43.50	-14.40	155	100
640.3808	9.87	peak	23.51	33.38	46.00	-12.62	230	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4921.8440	47.41	---	0.92	48.33	---	74.00	54.00	-25.67	120	100
7386.0000	40.44	---	3.92	44.36	---	74.00	54.00	-29.64	55	100
9848.0000	35.34	---	8.67	44.01	---	74.00	54.00	-29.99	115	100
12310.0000	35.18	---	14.38	49.56	---	74.00	54.00	-24.44	80	100

Mode: 802.11g 2412MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
366.2926	12.35	peak	17.66	30.01	46.00	-15.99	140	100
640.3808	12.35	peak	23.51	35.86	46.00	-10.14	35	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4824.0000	41.65	---	0.56	42.21	---	74.00	54.00	-31.79	105	100
7236.0000	40.69	---	3.93	44.62	---	74.00	54.00	-29.38	130	100
9637.2750	37.66	---	8.00	45.66	---	74.00	54.00	-28.34	155	100
12060.0000	34.59	---	13.03	47.62	---	74.00	54.00	-26.38	70	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	19.32	peak	10.89	30.21	43.50	-13.29	75	100
502.3647	10.84	peak	20.96	31.80	46.00	-14.20	110	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4824.0000	42.42	---	0.56	42.98	---	74.00	54.00	-31.02	55	100
7236.0000	40.88	---	3.93	44.81	---	74.00	54.00	-29.19	170	100
9656.3130	36.72	---	7.97	44.69	---	74.00	54.00	-29.31	145	100
12060.0000	34.40	---	13.03	47.43	---	74.00	54.00	-26.57	255	100

Mode: 802.11g 2437MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
368.2365	12.34	peak	17.73	30.07	46.00	-15.93	135	100
640.3808	12.27	peak	23.51	35.78	46.00	-10.22	110	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4874.0000	42.27	---	0.70	42.97	---	74.00	54.00	-31.03	135	100
7311.0000	40.71	---	3.74	44.45	---	74.00	54.00	-29.55	140	100
9748.0000	35.83	---	8.30	44.13	---	74.00	54.00	-29.87	140	100
12185.0000	32.87	---	13.62	46.49	---	74.00	54.00	-27.51	115	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	17.68	peak	10.89	28.57	43.50	-14.93	50	100
640.3808	10.09	peak	23.51	33.60	46.00	-12.40	75	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4873.7480	42.76	---	0.70	43.46	---	74.00	54.00	-30.54	145	100
7311.0000	40.34	---	3.74	44.08	---	74.00	54.00	-29.92	120	100
9748.0000	35.33	---	8.30	43.63	---	74.00	54.00	-30.37	95	100
12185.0000	32.84	---	13.62	46.46	---	74.00	54.00	-27.54	170	100

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Mode: 802.11g 2462MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
300.2004	15.00	peak	16.00	31.00	46.00	-15.00	165	100
640.3808	11.61	peak	23.51	35.12	46.00	-10.88	120	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4921.8440	43.00	---	0.92	43.92	---	74.00	54.00	-30.08	160	100
7386.0000	40.13	---	3.92	44.05	---	74.00	54.00	-29.95	95	100
9848.0000	34.52	---	8.67	43.19	---	74.00	54.00	-30.81	110	100
12310.0000	33.83	---	14.38	48.21	---	74.00	54.00	-25.79	45	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	19.20	peak	10.89	30.09	43.50	-13.41	85	100
640.3808	9.76	peak	23.51	33.27	46.00	-12.73	130	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4924.0000	41.79	---	0.93	42.72	---	74.00	54.00	-31.28	115	100
7386.0000	40.75	---	3.92	44.67	---	74.00	54.00	-29.33	145	100
9848.0000	34.65	---	8.67	43.32	---	74.00	54.00	-30.68	110	100
12310.0000	34.52	---	14.38	48.90	---	74.00	54.00	-25.10	35	100

Antenna A + Antenna B

Mode: 802.11n 20MHz 5745MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
232.1643	14.08	peak	13.98	28.06	46.00	-17.94	170	100
300.2004	14.06	peak	16.00	30.06	46.00	-15.94	140	100
335.1904	12.32	peak	16.91	29.23	46.00	-16.77	165	100
368.2365	11.71	peak	17.73	29.44	46.00	-16.56	90	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11493.4870	36.76	---	12.13	48.89	---	74.00	54.00	-25.11	237	100
17235.0000	28.32	---	20.39	48.71	---	74.00	54.00	-25.29	195	100

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.48	peak	10.89	29.37	43.50	-14.13	205	100
164.1283	12.17	peak	15.15	27.32	43.50	-16.18	140	100
434.3287	9.85	peak	19.77	29.62	46.00	-16.38	70	100
502.3647	10.32	peak	20.96	31.28	46.00	-14.72	160	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11493.4870	37.03	---	12.13	49.16	---	74.00	54.00	-24.84	155	100
17235.0000	28.33	---	20.39	48.72	---	74.00	54.00	-25.28	160	100

Mode: 802.11n 20MHz 5785MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
232.1643	13.83	peak	13.98	27.81	46.00	-18.19	65	100
300.2004	13.91	peak	16.00	29.91	46.00	-16.09	70	100
335.1904	12.65	peak	16.91	29.56	46.00	-16.44	135	100
368.2365	10.75	peak	17.73	28.48	46.00	-17.52	140	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11579.1580	36.96	---	12.51	49.47	---	74.00	54.00	-24.53	235	100
17355.0000	28.12	---	20.33	48.45	---	74.00	54.00	-25.55	210	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
98.0361	17.62	peak	10.49	28.11	43.50	-15.39	125	100
166.0721	11.73	peak	15.03	26.76	43.50	-16.74	30	100
368.2365	11.29	peak	17.73	29.02	46.00	-16.98	115	100
500.4208	10.04	peak	20.92	30.96	46.00	-15.04	40	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11569.6390	38.12	---	12.47	50.59	---	74.00	54.00	-23.41	75	100
17355.0000	27.56	---	20.33	47.89	---	74.00	54.00	-26.11	115	100

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode: 802.11n 20MHz 5825MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
232.1643	14.55	peak	13.98	28.53	46.00	-17.47	195	100
300.2004	13.78	peak	16.00	29.78	46.00	-16.22	60	100
335.1904	12.74	peak	16.91	29.65	46.00	-16.35	135	100
366.2926	10.86	peak	17.66	28.52	46.00	-17.48	210	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11607.7150	37.38	---	12.55	49.93	---	74.00	54.00	-24.07	135	100
17415.0000	27.40	---	19.73	47.13	---	74.00	54.00	-26.87	175	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.27	peak	10.89	29.16	43.50	-14.34	250	100
166.0721	11.85	peak	15.03	26.88	43.50	-16.62	175	100
368.2364	11.09	peak	17.73	28.82	46.00	-17.18	80	100
502.3647	9.35	peak	20.96	30.31	46.00	-15.69	165	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11607.7150	43.39	40.10	12.55	55.94	52.65	74.00	54.00	-1.35	153	100
17415.0000	27.78	---	19.73	47.51	---	74.00	54.00	-26.49	50	100

Mode: 802.11n 40MHz 5755MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
232.1643	13.65	peak	13.98	27.63	46.00	-18.37	165	100
300.2004	13.97	peak	16.00	29.97	46.00	-16.03	130	100
335.1904	12.49	peak	16.91	29.40	46.00	-16.60	170	100
368.2365	11.39	peak	17.73	29.12	46.00	-16.88	40	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11510.0000	36.02	---	12.24	48.26	---	74.00	54.00	-25.74	195	100
17265.0000	28.49	---	20.77	49.26	---	74.00	54.00	-24.74	130	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.19	peak	10.89	29.08	43.50	-14.42	50	100
300.2004	11.87	peak	16.00	27.87	46.00	-18.13	135	100
368.2365	11.69	peak	17.73	29.42	46.00	-16.58	175	100
502.3647	10.70	peak	20.96	31.66	46.00	-14.34	80	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11512.5250	36.83	---	12.25	49.08	---	74.00	54.00	-24.92	170	100
17265.0000	28.55	---	20.77	49.32	---	74.00	54.00	-24.68	103	100

Mode: 802.11n 40MHz 5795MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
232.1643	13.94	peak	13.98	27.92	46.00	-18.08	130	100
300.2004	14.17	peak	16.00	30.17	46.00	-15.83	115	100
335.1904	12.66	peak	16.91	29.57	46.00	-16.43	70	100
368.2365	11.36	peak	17.73	29.09	46.00	-16.91	165	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11590.0000	35.44	---	12.55	47.99	---	74.00	54.00	-26.01	140	100
17385.0000	29.27	---	19.85	49.12	---	74.00	54.00	-24.88	210	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	17.51	peak	10.89	28.40	43.50	-15.10	150	100
166.0721	11.10	peak	15.03	26.13	43.50	-17.37	195	100
366.2926	11.24	peak	17.66	28.90	46.00	-17.10	60	100
500.4208	9.26	peak	20.92	30.18	46.00	-15.82	130	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11588.6770	38.79	---	12.55	51.34	---	74.00	54.00	-22.66	216	100
17385.0000	28.25	---	19.85	48.10	---	74.00	54.00	-25.90	110	100

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Mode: 802.11ac 5775MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
232.1643	15.17	peak	13.98	29.15	46.00	-16.85	235	100
300.2004	13.99	peak	16.00	29.99	46.00	-16.01	170	100
335.1904	12.94	peak	16.91	29.85	46.00	-16.15	45	100
366.2926	10.93	peak	17.66	28.59	46.00	-17.41	120	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11510.0000	34.61	---	12.24	46.85	---	74.00	54.00	-27.15	135	100
17265.0000	27.36	---	20.77	48.13	---	74.00	54.00	-25.87	170	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.20	peak	10.89	29.09	43.50	-14.41	95	100
168.0160	10.90	peak	14.91	25.81	43.50	-17.69	110	100
300.2004	12.52	peak	16.00	28.52	46.00	-17.48	165	100
502.3647	9.86	peak	20.96	30.82	46.00	-15.18	130	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
11510.0000	34.25	---	12.24	46.49	---	74.00	54.00	-27.51	215	100
17265.0000	28.46	---	20.77	49.23	---	74.00	54.00	-24.77	140	100

Mode: 802.11n 20 MHz 2412MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
300.2004	14.97	peak	16.00	30.97	46.00	-15.03	115	100
640.3808	11.94	peak	23.51	35.45	46.00	-10.55	90	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4824.0000	41.69	---	0.56	42.25	---	74.00	54.00	-31.75	155	100
7236.0000	40.81	---	3.93	44.74	---	74.00	54.00	-29.26	70	100
9648.0000	35.01	---	7.98	42.99	---	74.00	54.00	-31.01	135	100
12060.0000	34.29	---	13.03	47.32	---	74.00	54.00	-26.68	90	100

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Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
101.9238	17.58	peak	11.19	28.77	43.50	-14.73	75	100
168.0160	10.48	peak	14.91	25.39	43.50	-18.11	120	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4824.0000	41.67	---	0.56	42.23	---	74.00	54.00	-31.77	240	100
7236.0000	40.44	---	3.93	44.37	---	74.00	54.00	-29.63	175	100
9648.0000	35.57	---	7.98	43.55	---	74.00	54.00	-30.45	95	100
12060.0000	33.82	---	13.03	46.85	---	74.00	54.00	-27.15	110	100

Mode: 802.11n 20MHz 2437MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
368.2365	12.49	peak	17.73	30.22	46.00	-15.78	80	100
640.3808	12.17	peak	23.51	35.68	46.00	-10.32	250	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4874.0000	42.01	---	0.70	42.71	---	74.00	54.00	-31.29	155	100
7311.0000	40.65	---	3.74	44.39	---	74.00	54.00	-29.61	70	100
9748.0000	34.91	---	8.30	43.21	---	74.00	54.00	-30.79	235	100
12185.0000	32.80	---	13.62	46.42	---	74.00	54.00	-27.58	120	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
98.0361	17.62	peak	10.49	28.11	43.50	-15.39	115	100
640.3808	9.78	peak	23.51	33.29	46.00	-12.71	130	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4874.0000	41.97	---	0.70	42.67	---	74.00	54.00	-31.33	120	100
7311.0000	41.05	---	3.74	44.79	---	74.00	54.00	-29.21	165	100
9748.0000	34.91	---	8.30	43.21	---	74.00	54.00	-30.79	110	100
12185.0000	32.60	---	13.62	46.22	---	74.00	54.00	-27.78	50	100

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Mode: 802.11n 20MHz 2462MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
300.2004	14.09	peak	16.00	30.09	46.00	-15.91	80	100
640.3808	12.28	peak	23.51	35.79	46.00	-10.21	135	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4924.0000	41.47	---	0.93	42.40	---	74.00	54.00	-31.60	105	100
7386.0000	39.92	---	3.92	43.84	---	74.00	54.00	-30.16	130	100
9848.0000	34.58	---	8.67	43.25	---	74.00	54.00	-30.75	155	100
12310.0000	35.08	---	14.38	49.46	---	74.00	54.00	-24.54	135	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.58	peak	10.89	29.47	43.50	-14.03	125	100
162.1844	12.04	peak	15.27	27.31	43.50	-16.19	140	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4924.0000	41.51	---	0.93	42.44	---	74.00	54.00	-31.56	160	100
7386.0000	39.85	---	3.92	43.77	---	74.00	54.00	-30.23	125	100
9848.0000	34.92	---	8.67	43.59	---	74.00	54.00	-30.41	95	100
12310.0000	35.13	---	14.38	49.51	---	74.00	54.00	-24.49	170	100

Mode: 802.11n 40MHz 2422MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
300.2004	15.85	peak	16.00	31.85	46.00	-14.15	170	100
640.3808	12.57	peak	23.51	36.08	46.00	-9.92	205	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4844.0000	41.37	---	0.62	41.99	---	74.00	54.00	-32.01	45	100
7266.0000	41.18	---	3.83	45.01	---	74.00	54.00	-28.99	130	100
9688.0000	35.77	---	7.93	43.70	---	74.00	54.00	-30.30	155	100
12110.0000	34.40	---	13.44	47.84	---	74.00	54.00	-26.16	230	100

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Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.05	peak	10.89	28.94	43.50	-14.56	110	100
640.3808	9.57	peak	23.51	33.08	46.00	-12.92	75	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4844.0000	41.33	---	0.62	41.95	---	74.00	54.00	-32.05	145	100
7266.0000	41.03	---	3.83	44.86	---	74.00	54.00	-29.14	220	100
9688.0000	34.90	---	7.93	42.83	---	74.00	54.00	-31.17	135	100
12110.0000	33.17	---	13.44	46.61	---	74.00	54.00	-27.39	90	100

Mode: 802.11n 40MHz 2437MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
300.2004	14.30	peak	16.00	30.30	46.00	-15.70	105	100
640.3808	11.54	peak	23.51	35.05	46.00	-10.95	150	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4874.0000	41.89	---	0.70	42.59	---	74.00	54.00	-31.41	195	100
7311.0000	40.34	---	3.74	44.08	---	74.00	54.00	-29.92	210	100
9748.0000	34.96	---	8.30	43.26	---	74.00	54.00	-30.74	75	100
12185.0000	33.12	---	13.62	46.74	---	74.00	54.00	-27.26	160	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	17.86	peak	10.89	28.75	43.50	-14.75	145	100
164.1283	11.56	peak	15.15	26.71	43.50	-16.79	130	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4874.0000	42.06	---	0.70	42.76	---	74.00	54.00	-31.24	80	100
7311.0000	40.31	---	3.74	44.05	---	74.00	54.00	-29.95	205	100
9748.0000	34.58	---	8.30	42.88	---	74.00	54.00	-31.12	155	100
12185.0000	33.25	---	13.62	46.87	---	74.00	54.00	-27.13	120	100

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Mode: 802.11n 40MHz 2452MHz
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
368.2365	12.76	peak	17.73	30.49	46.00	-15.51	55	100
640.3808	11.07	peak	23.51	34.58	46.00	-11.42	160	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4904.0000	41.41	---	0.81	42.22	---	74.00	54.00	-31.78	75	100
7356.0000	41.72	---	3.84	45.56	---	74.00	54.00	-28.44	160	100
9808.0000	35.24	---	8.70	43.94	---	74.00	54.00	-30.06	235	100
12260.0000	33.51	---	14.09	47.60	---	74.00	54.00	-26.40	110	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
99.9800	18.28	peak	10.89	29.17	43.50	-14.33	75	100
300.2004	13.50	peak	16.00	29.50	46.00	-16.50	130	100

Frequency (MHz)	Reading (dBuV) Peak	Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Ave.	Limit @3m (dBuV/m) Peak	Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
4904.0000	41.84	---	0.81	42.65	---	74.00	54.00	-31.35	145	100
7356.0000	41.49	---	3.84	45.33	---	74.00	54.00	-28.67	90	100
9808.0000	35.46	---	8.70	44.16	---	74.00	54.00	-29.84	60	100
12260.0000	33.26	---	14.09	47.35	---	74.00	54.00	-26.65	130	100

Note

1. **Correction Factor = Antenna factor + Cable loss - Preamplifier**
2. **The formula of measured value as: Test Result = Reading + Correction Factor**
3. **Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
4. **All not in the table noted test results are more than 20 dB below the relevant limits.**
5. **Measurement uncertainty for 3m measurement: 30-1000 MHz = ± 3.68 dB, 1-18 GHz = ± 5.37 dB, 18-40 GHz= ± 3.43 dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.**
6. **See attached diagrams in appendix.**

TEST RESULT (Transmitter): The unit DOES meet the FCC requirements.

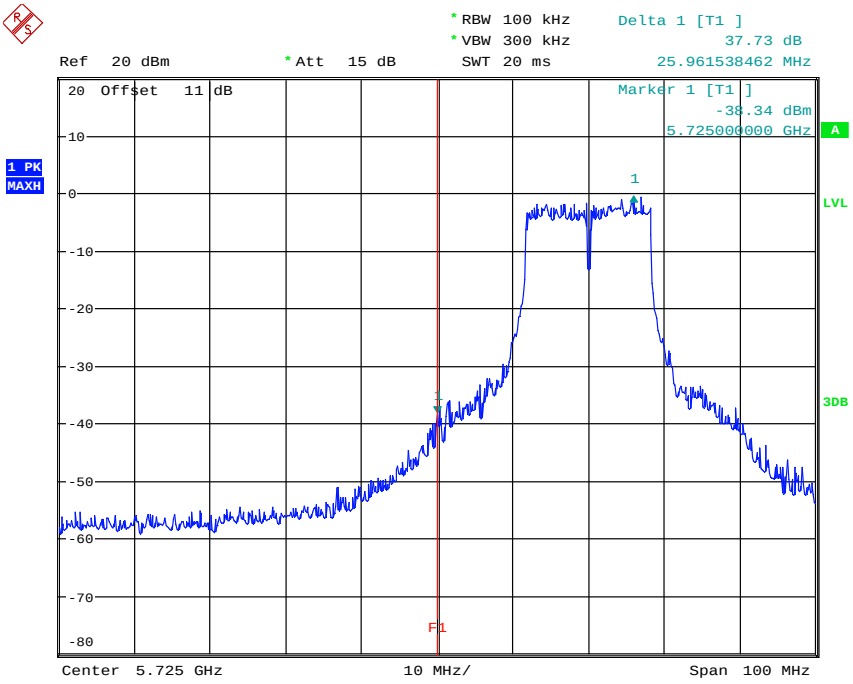
Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 111, ETSTW-RE 088, ETSTW-RE 018

3.6 Radiated Emission on the band edge

According to FCC rules part 15 subpart C §15.247(d) in any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required.

In addition radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also with the radiated emission limits.

Antenna A
Mode A



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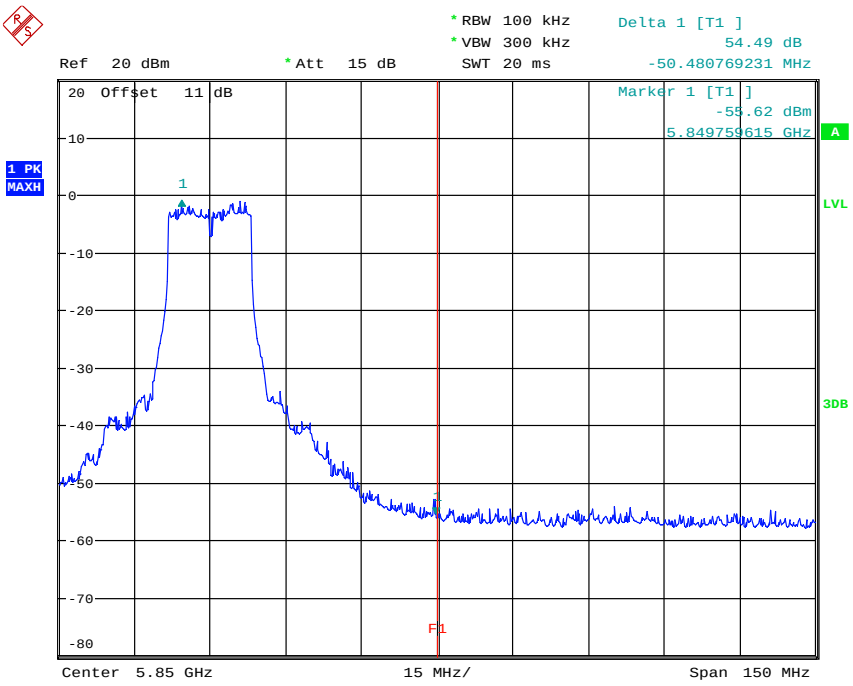
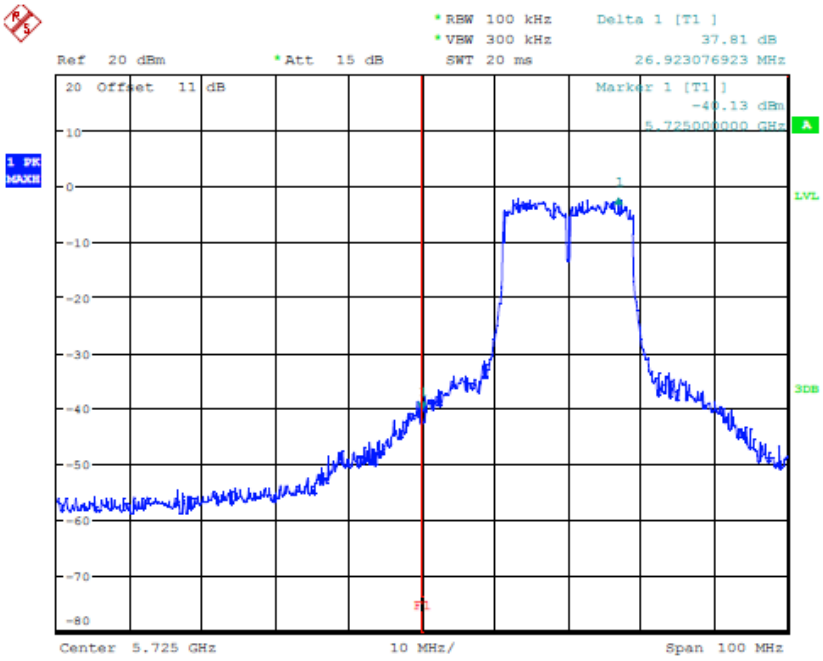
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



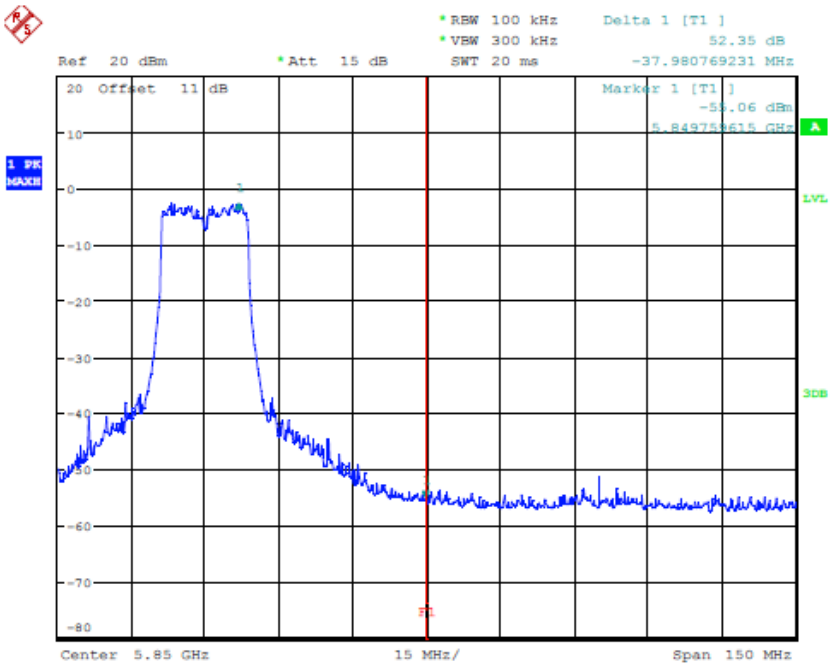
BANDEDGE 802.11A CH161
Date: 21.FEB.2014 10:07:52

Mode B



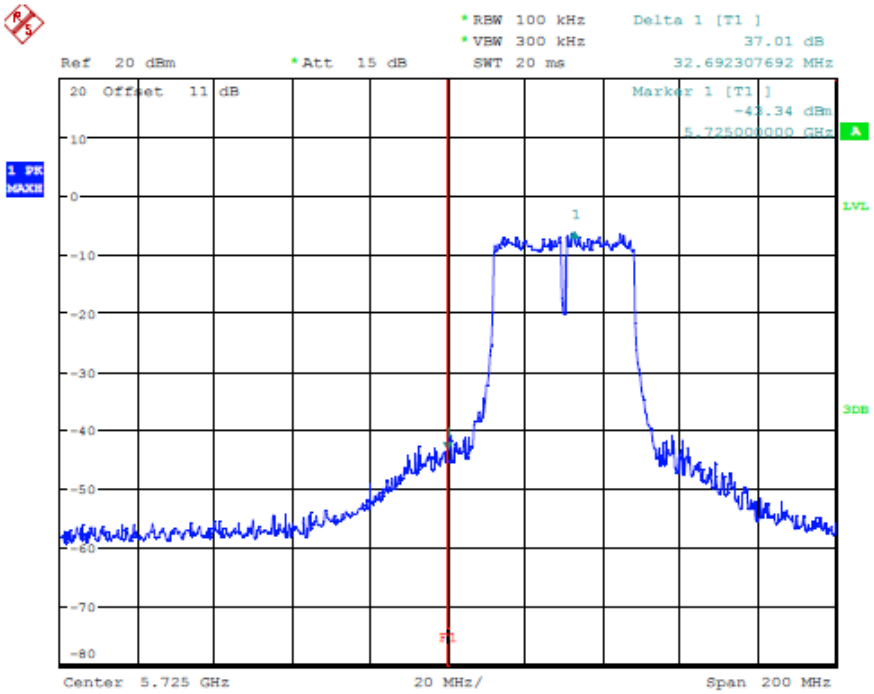
BANDEDGE 802.11N 20MHZ CH149
Date: 21.FEB.2014 09:02:06

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



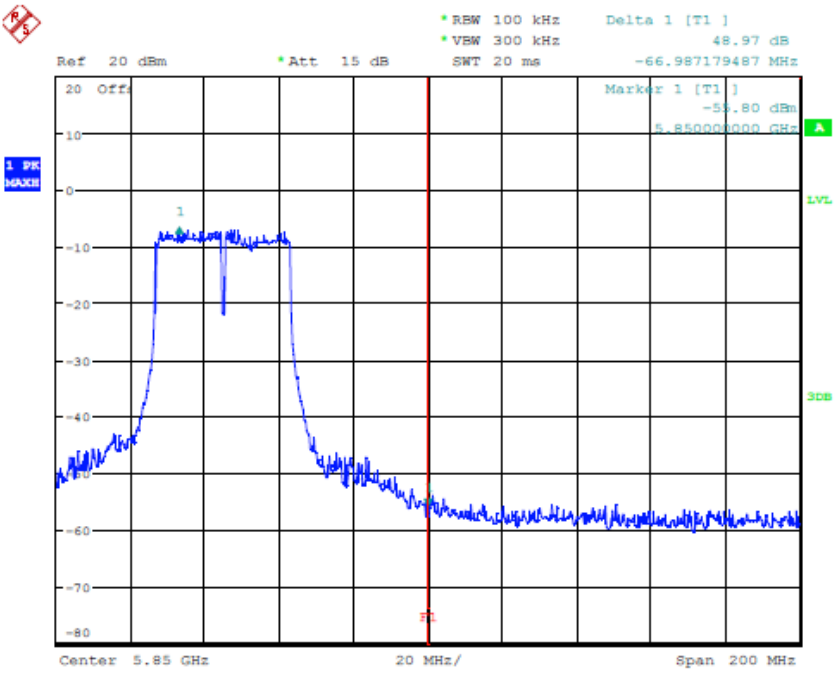
BANDEDGE 802.11N20 CH161
Date: 21.FEB.2014 10:07:01

Mode C



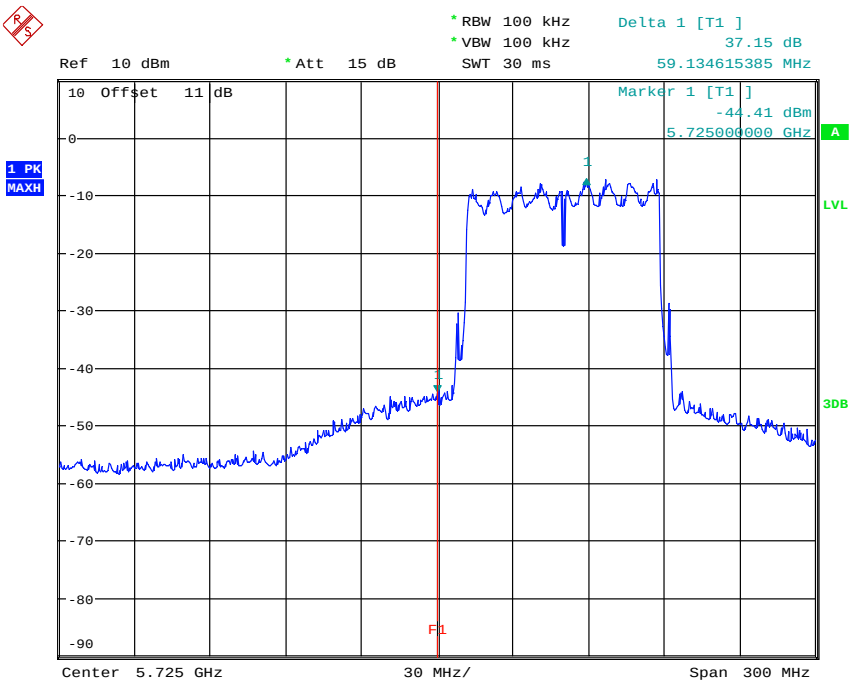
BANDEDGE 802.11N 40MHZ CH151
Date: 21.FEB.2014 09:04:04

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



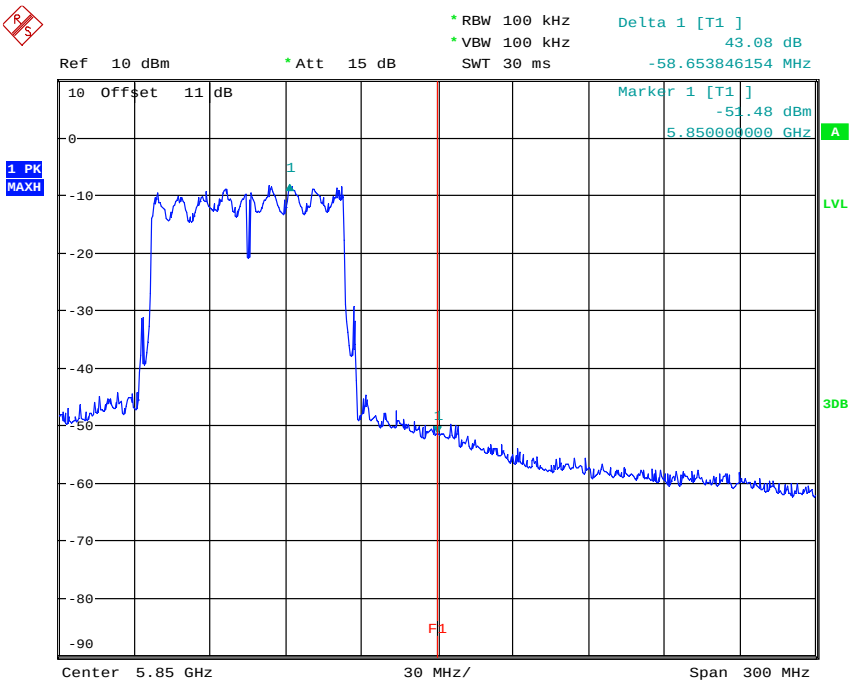
BANDEDGE 802.11N 40MHZ CH159
Date: 21.FEB.2014 09:05:03

Mode D



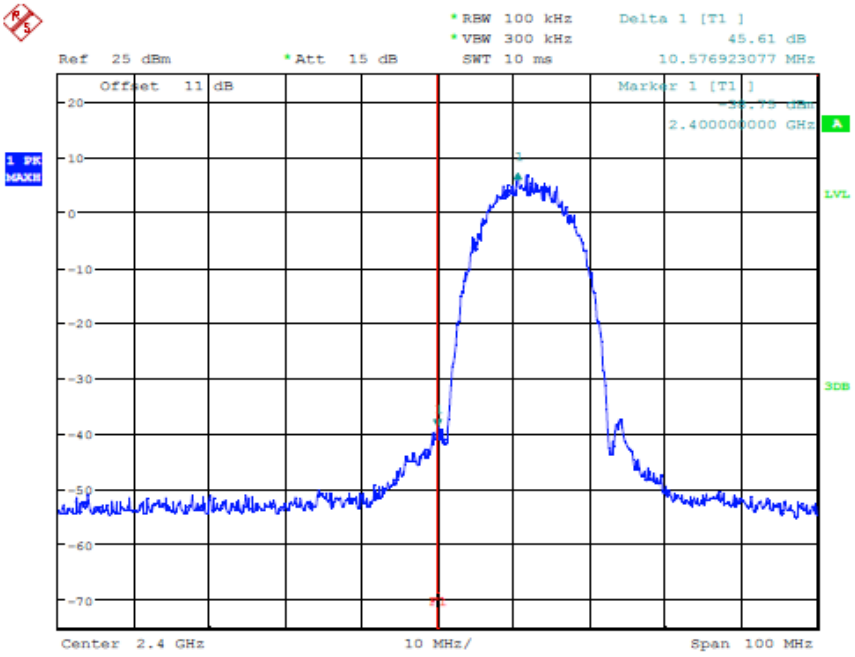
BANDEDGE 802.11AC CH155
Date: 21.FEB.2014 08:55:11

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



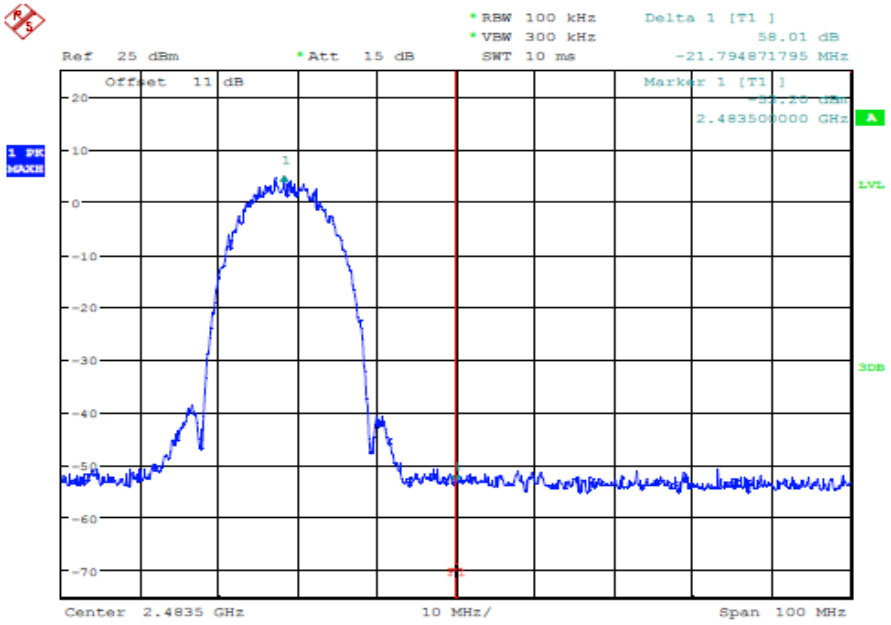
BANDEDGE 802.11AC CH155
Date: 21.FEB.2014 08:55:50

Mode E



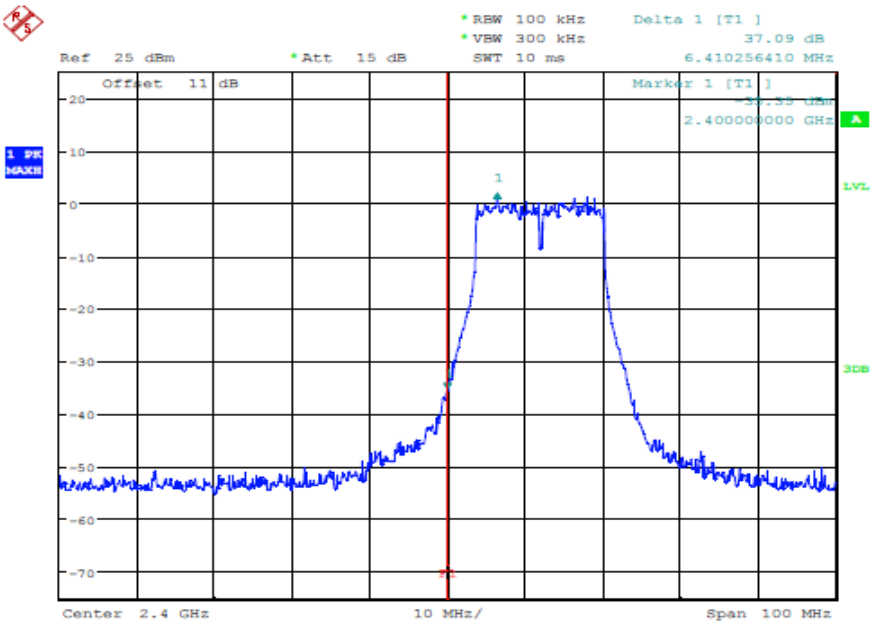
BANDEDGE 802.11B CH01
Date: 19.FEB.2014 10:17:26

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



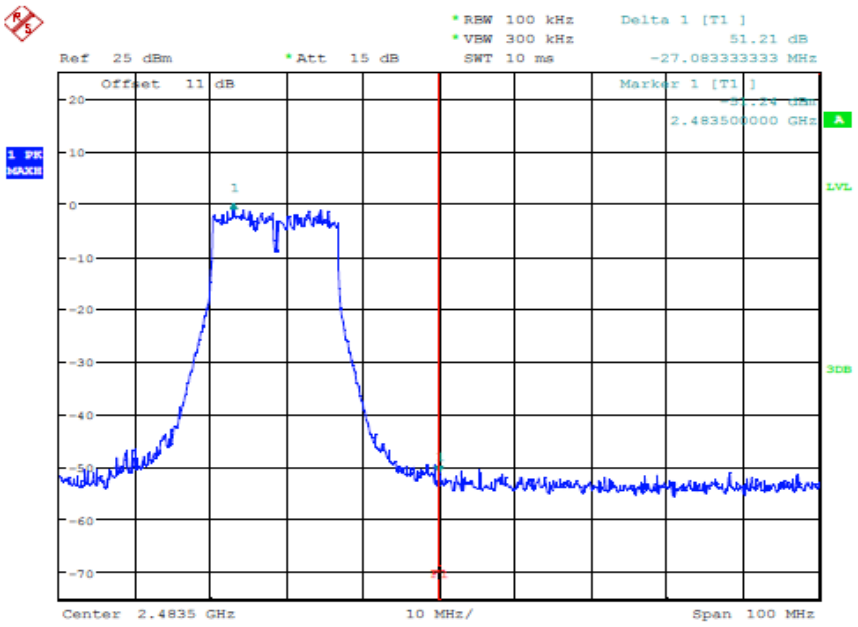
BANDEDGE 802.11B CH11
Date: 19.FEB.2014 10:18:59

Mode F



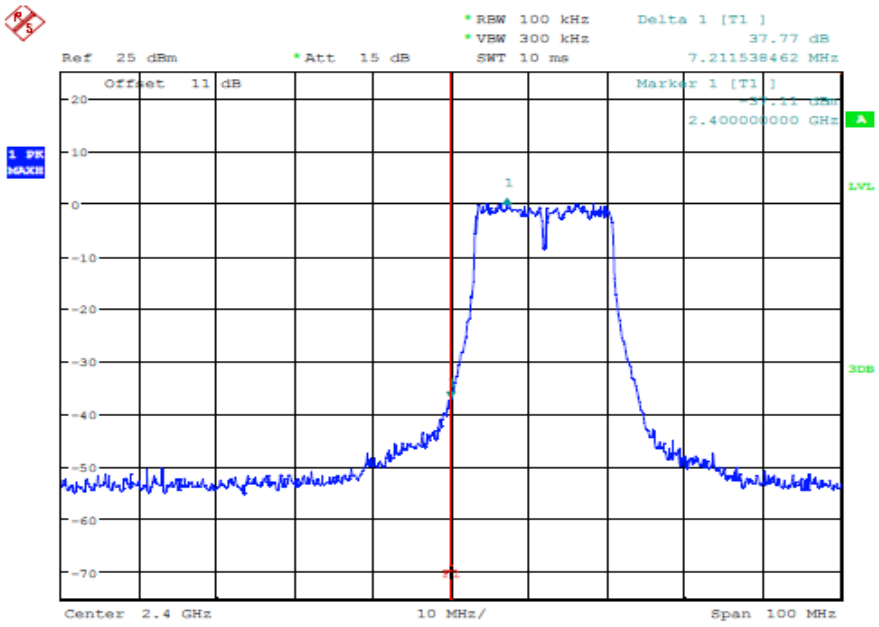
BANDEDGE 802.11G CH01
Date: 19.FEB.2014 10:22:03

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



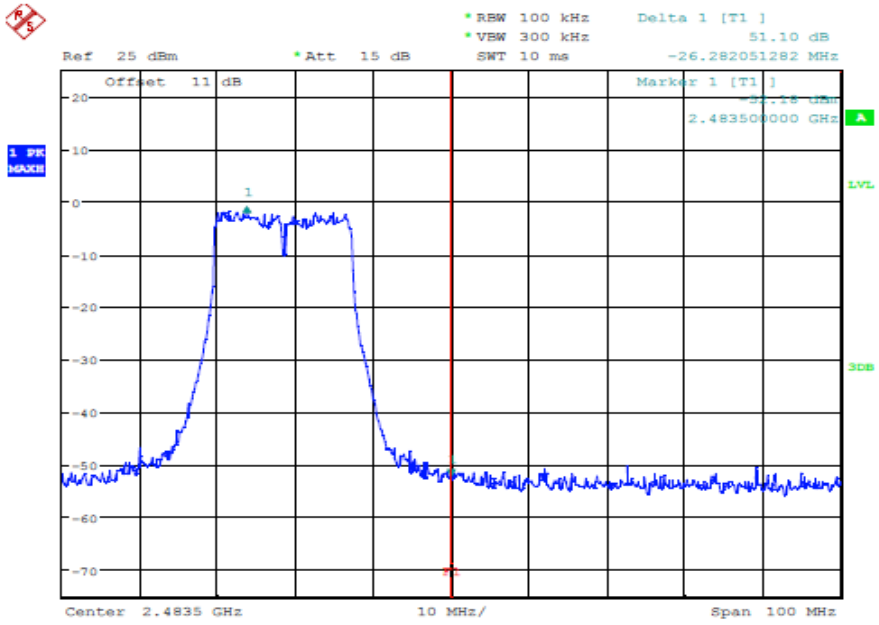
BANDEDGE 802.11G CH11
Date: 19.FEB.2014 10:24:13

Mode G



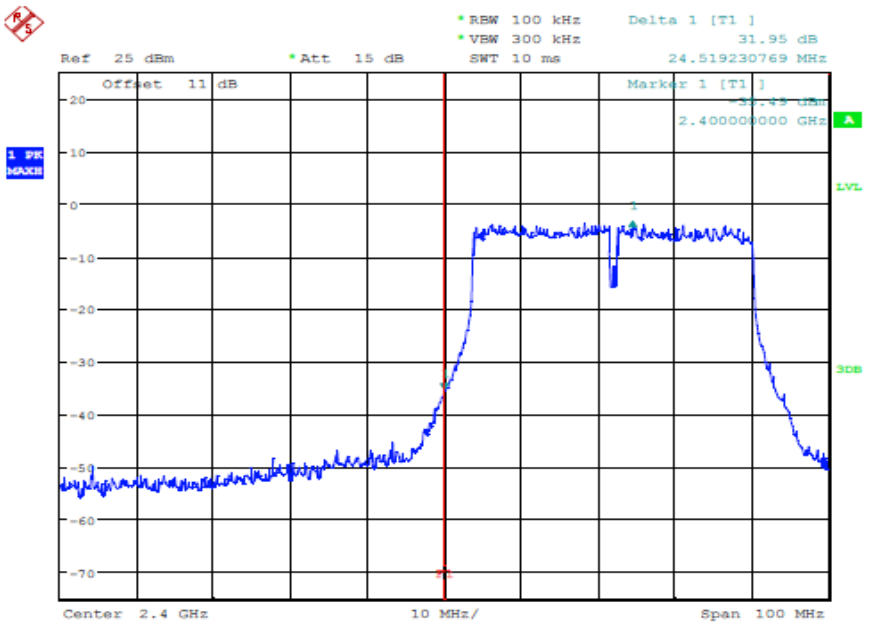
BANDEDGE 802.11N 20MHZ CH01
Date: 19.FEB.2014 10:25:34

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



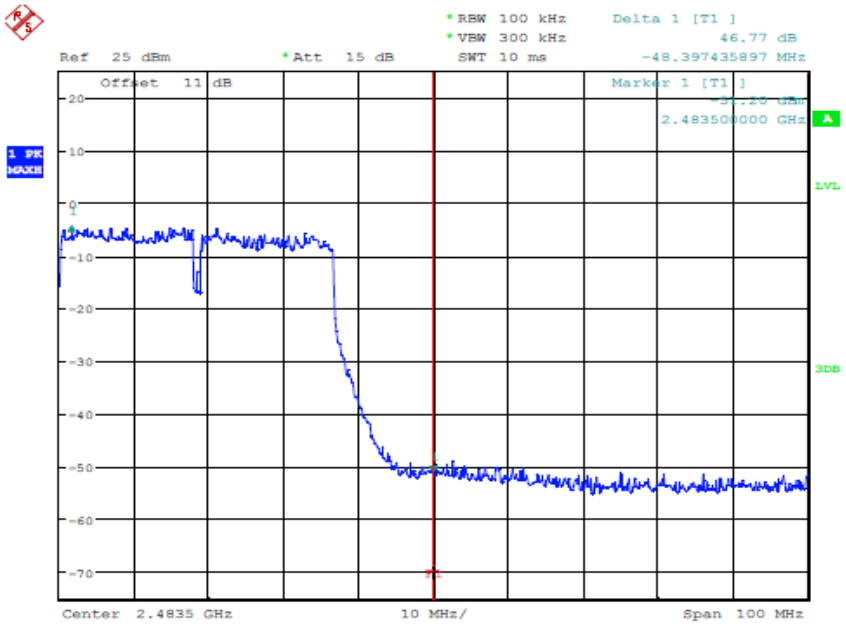
BANDEDGE 802.11N 20MHZ CH11
Date: 19.FEB.2014 10:27:17

Mode H



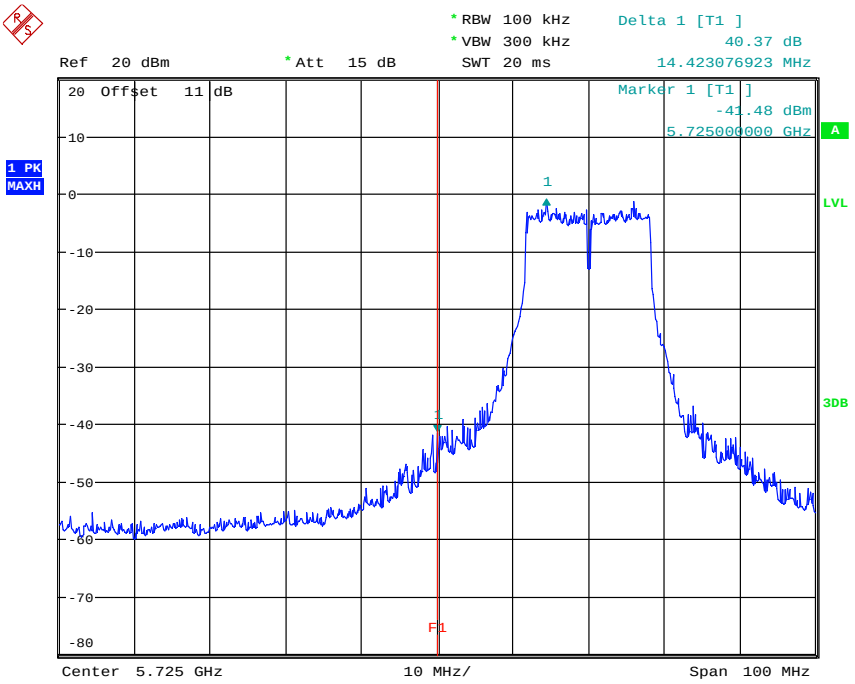
BANDEDGE 802.11N 40MHZ CH01
Date: 19.FEB.2014 10:28:15

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



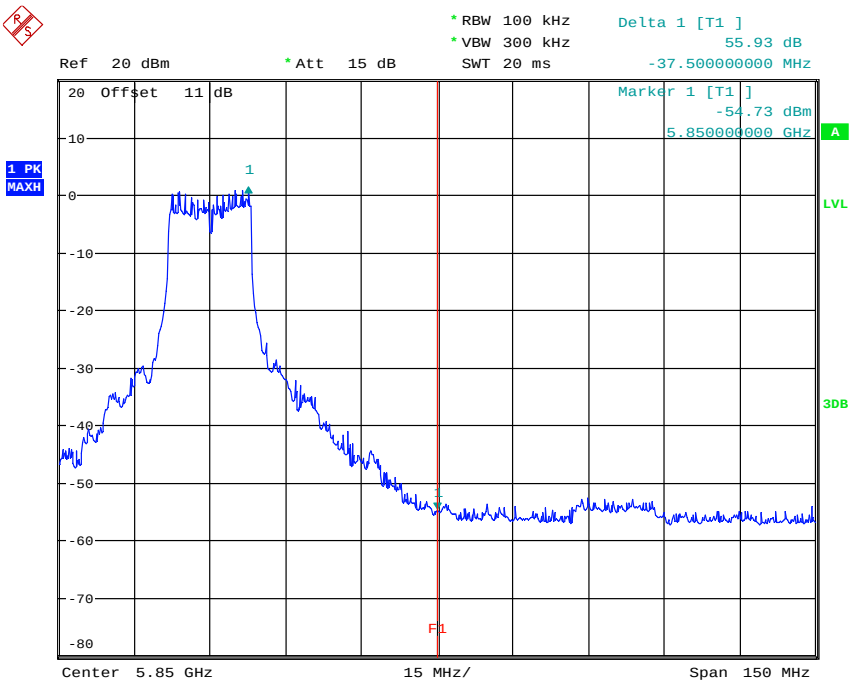
BANDEDGE 802.11N 40MHZ CH07
Date: 19.FEB.2014 10:29:48

Antenna B
Mode A



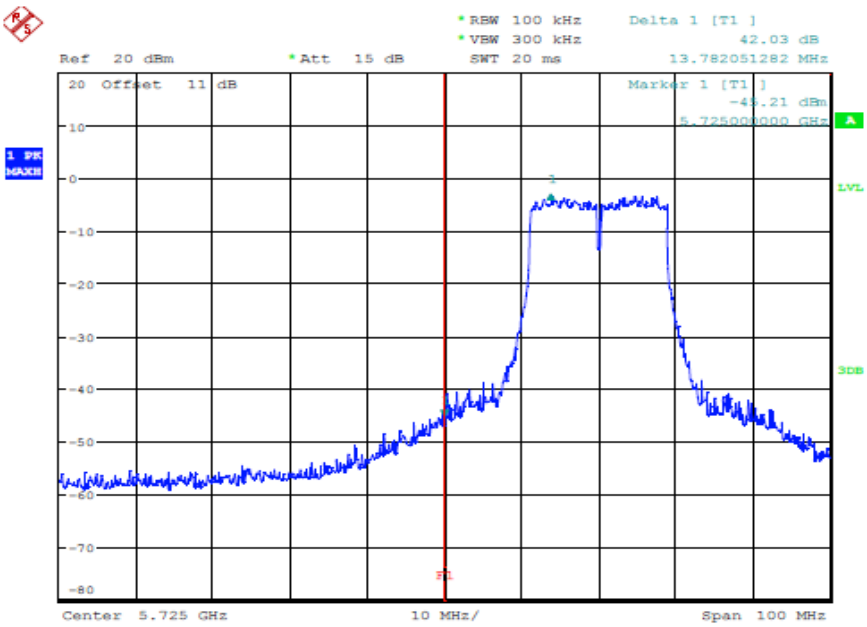
BANDEDGE 802.11A CH149
Date: 19.FEB.2014 11:42:04

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



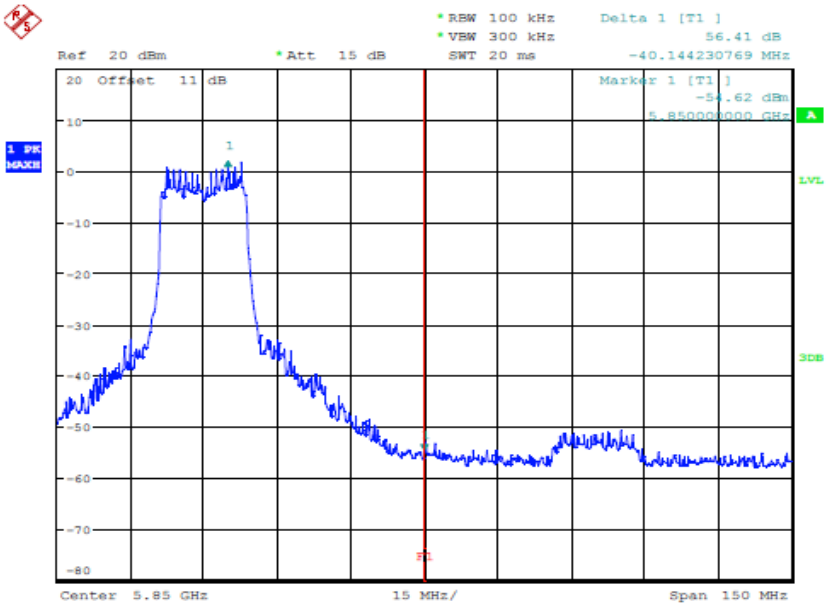
BANDEDGE 802.11A CH161
Date: 21.FEB.2014 07:11:28

Mode B



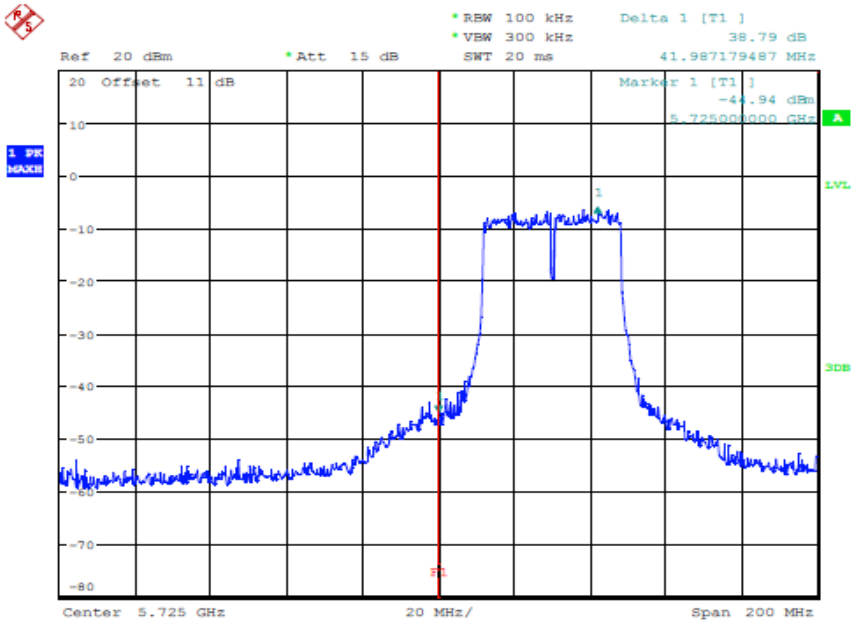
BANDEDGE 802.11N 20MHZ CH149
Date: 21.FEB.2014 06:13:15

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



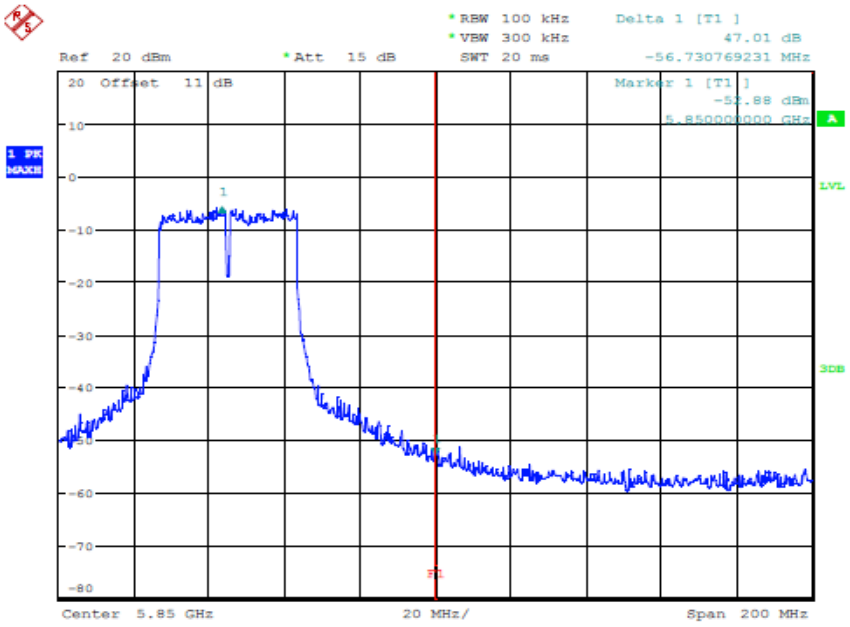
BANDEDGE 802.11N 20MHZ CH161
Date: 21.FEB.2014 07:12:19

Mode C



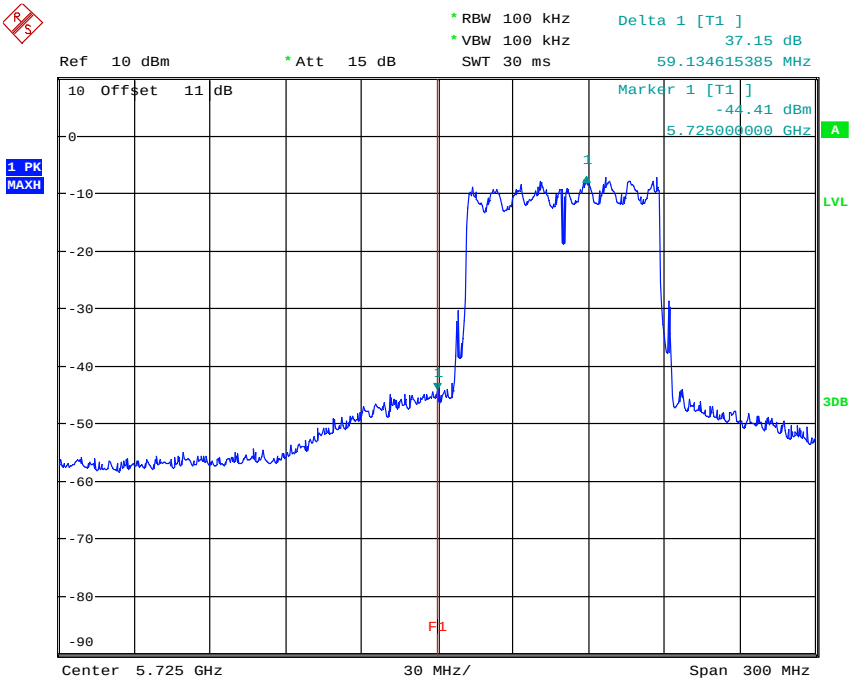
BANDEDGE 802.11N 40MHZ CH151
Date: 21.FEB.2014 06:15:01

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



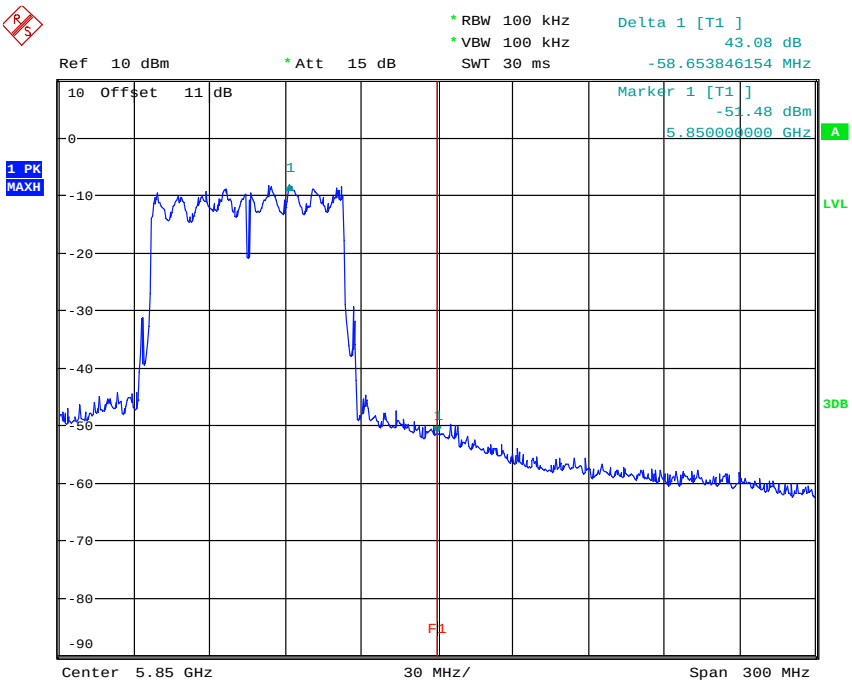
BANDEDGE 802.11N 40MHZ CH159
Date: 21.FEB.2014 06:16:01

Mode D



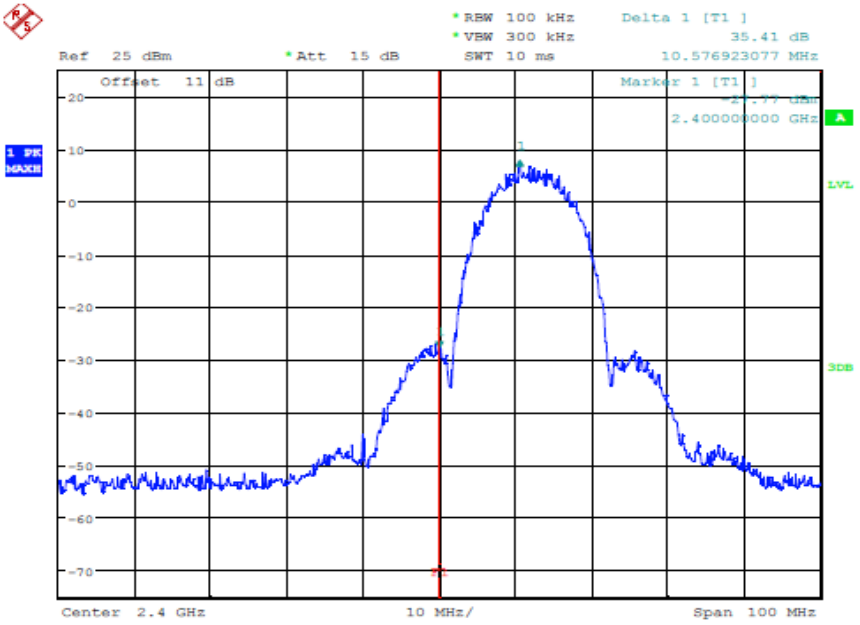
BANDEDGE 802.11AC CH155
Date: 21.FEB.2014 08:55:11

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



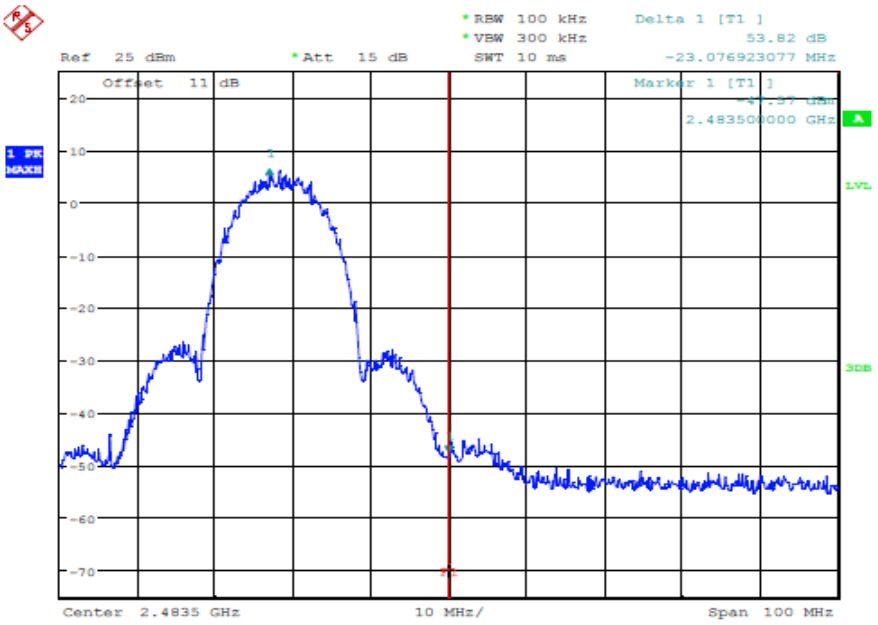
BANDEDGE 802.11AC CH155
Date: 21.FEB.2014 08:55:50

Mode E



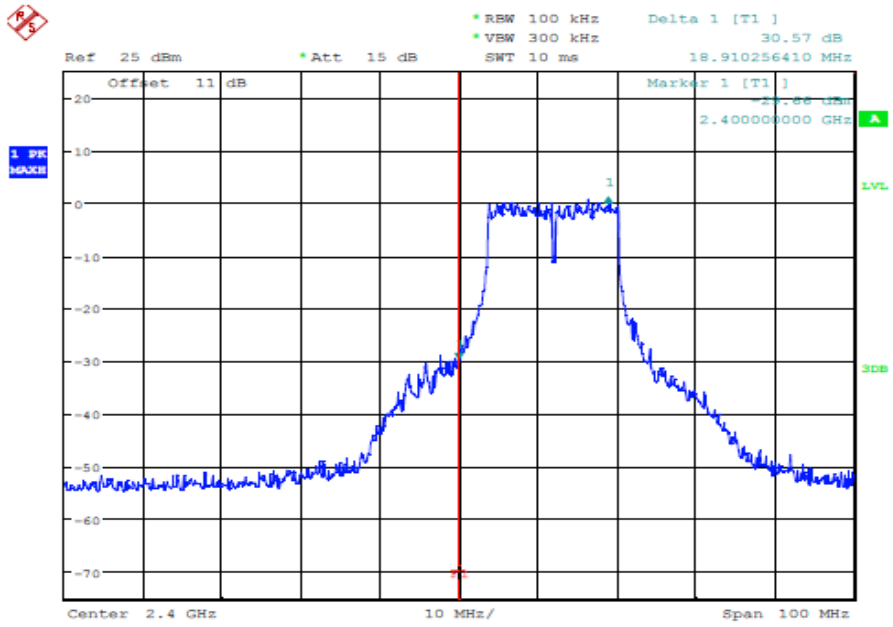
BANDEDGE 802.11B CH01
Date: 19.FEB.2014 11:01:30

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



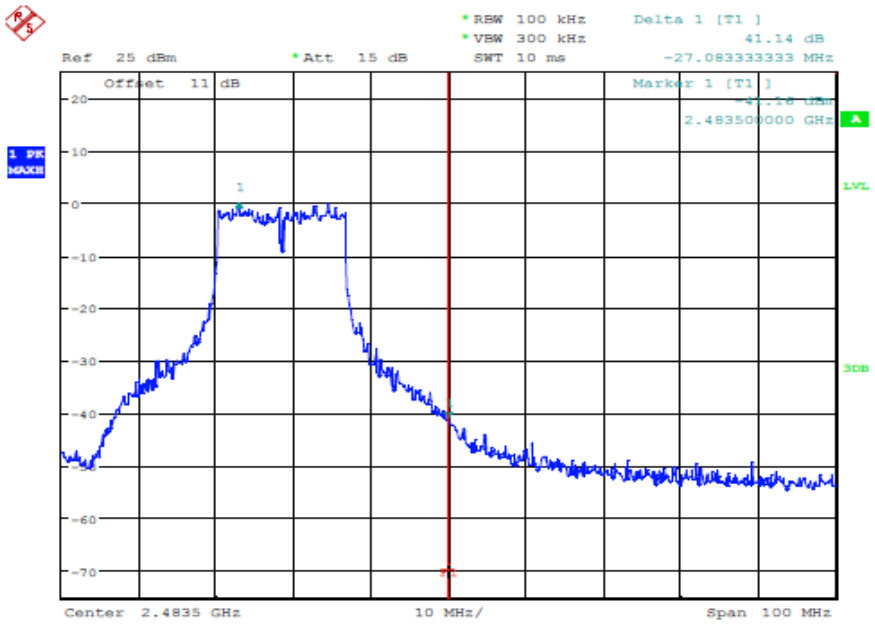
BANDEDGE 802.11B CH11
Date: 19.FEB.2014 11:02:54

Mode F



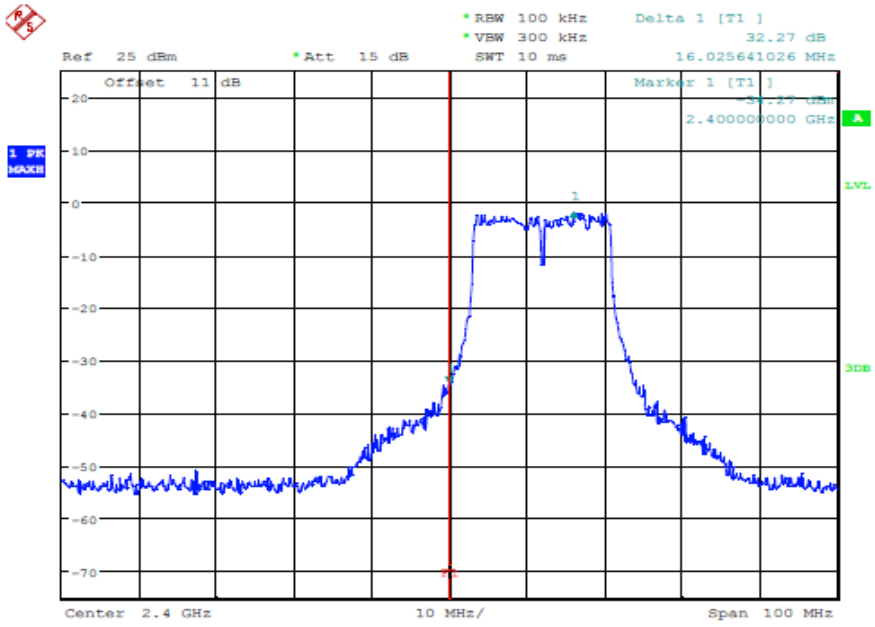
BANDEDGE 802.11G CH01
Date: 19.FEB.2014 11:04:06

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



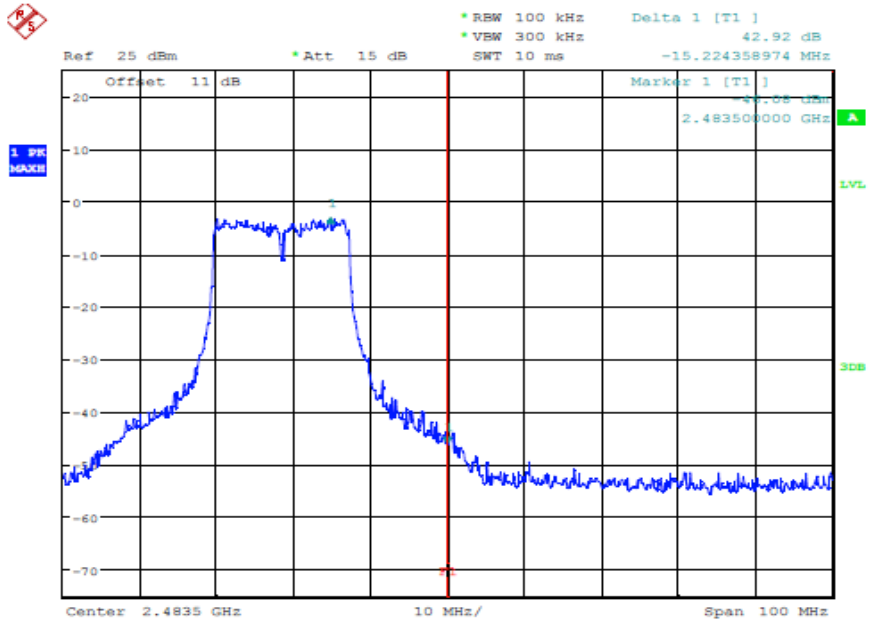
BANDEDGE 802.11G CH11
Date: 19.FEB.2014 11:05:45

Mode G



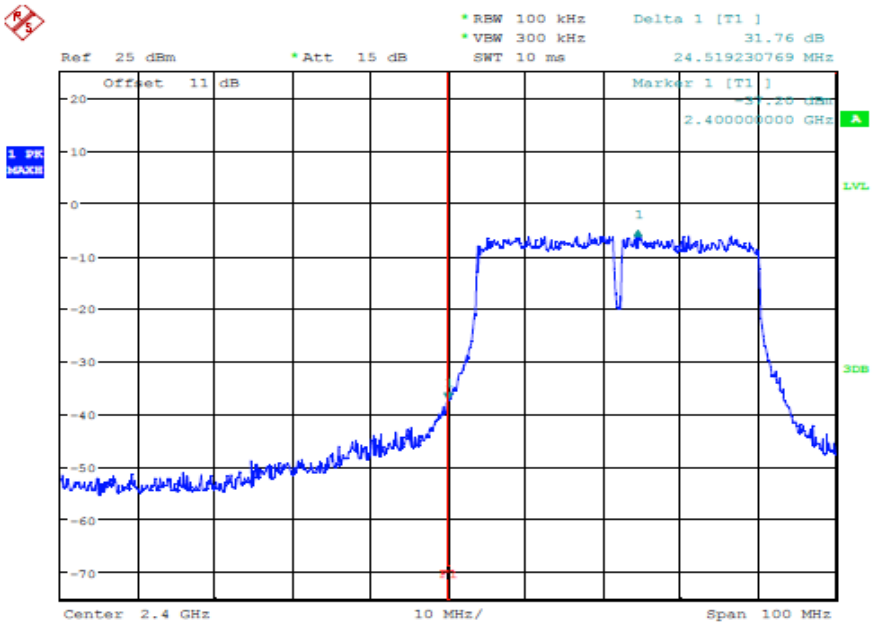
BANDEDGE 802.11N 20MHZ CH01
Date: 19.FEB.2014 11:06:27

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



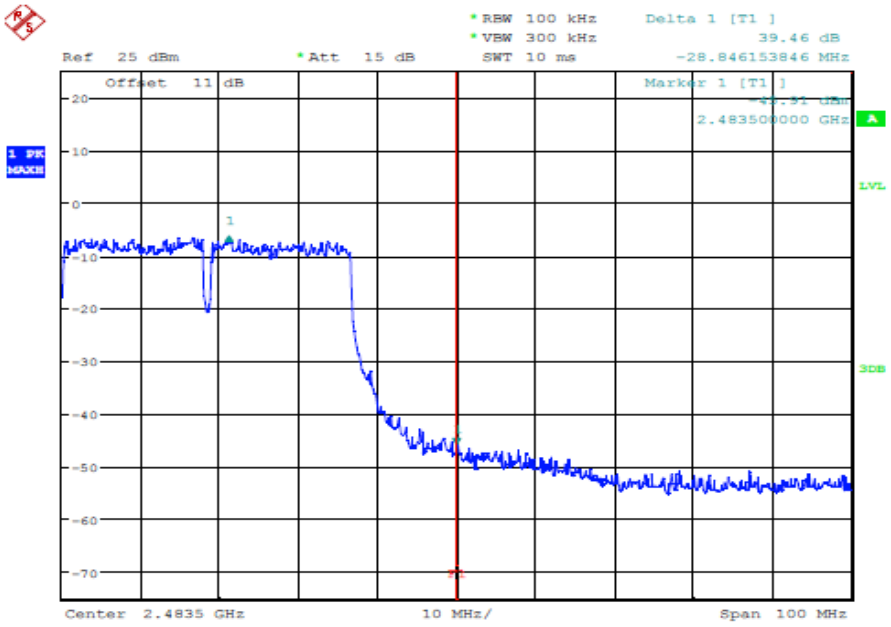
BANDEDGE 802.11N 20MHZ CH11
Date: 19.FEB.2014 11:07:52

Mode H



BANDEDGE 802.11N 40MHZ CH01
Date: 19.FEB.2014 11:08:42

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



Limit:

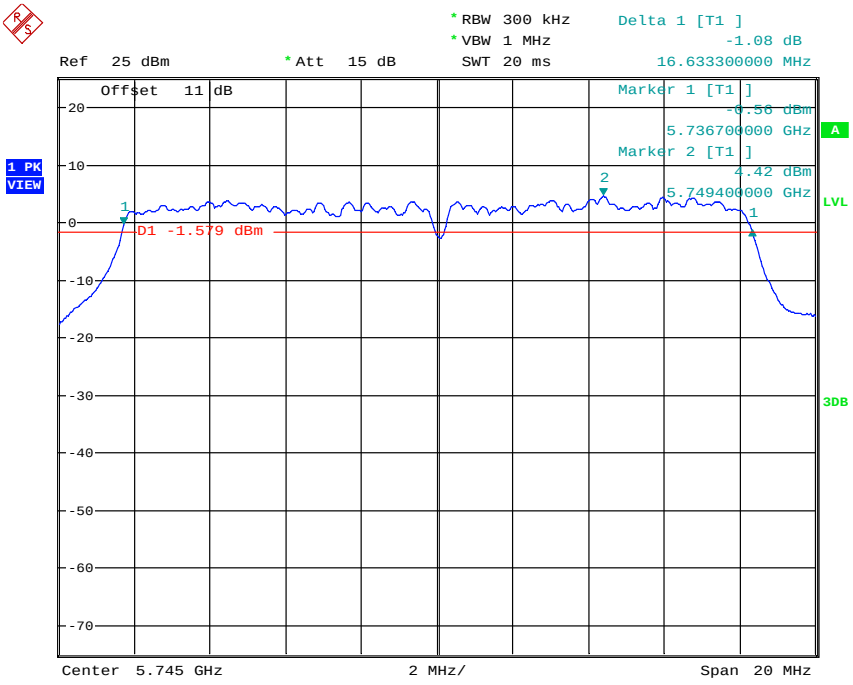
Frequency Range / MHz	Limit
902 –928 2400 – 2483.5 5725 - 5850	- 20 dB

Test equipment used: ETSTW-RE 055, ETSTW-RE 050

3.7 Minimum 6 dB Bandwidth

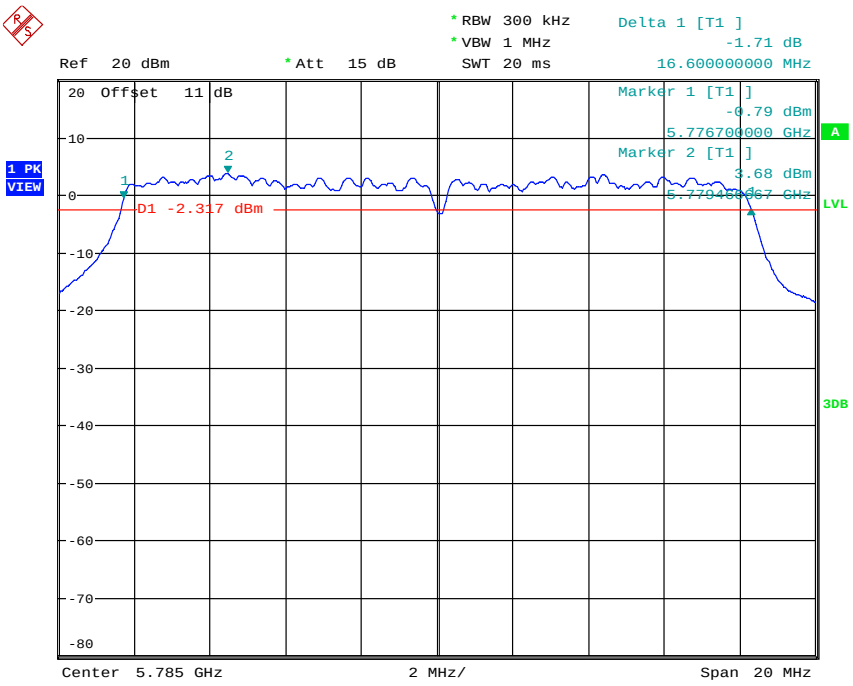
The analyzer ResBW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK reading was taken, two markers were set 6 dB below the maximum level on the right and the left side of the emission.
The 6 dB bandwidth is the frequency difference between the two markers.

Antenna A
Mode A

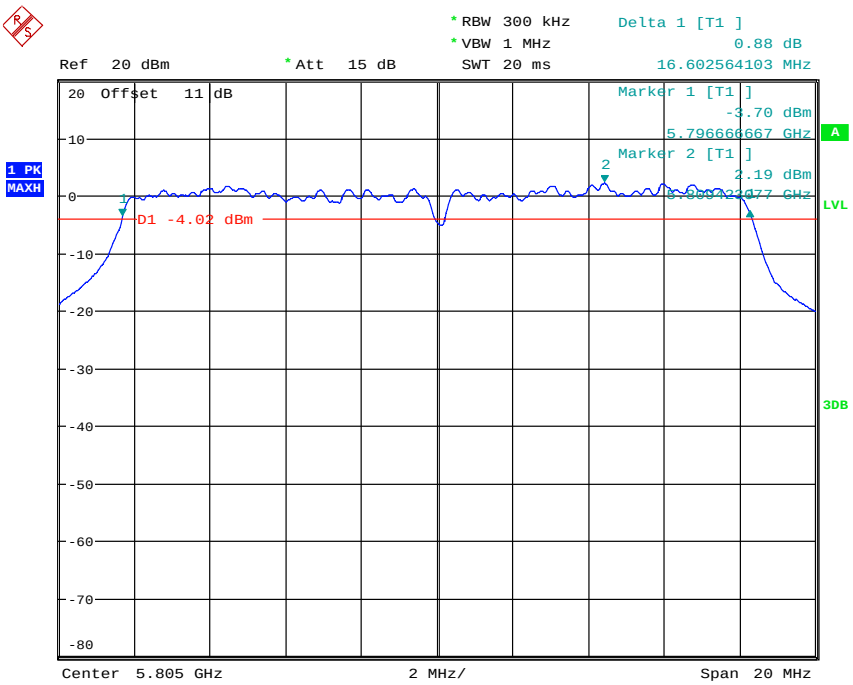


6DB BANDWIDTH 802.11A CH149
Date: 19.FEB.2014 12:21:03

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



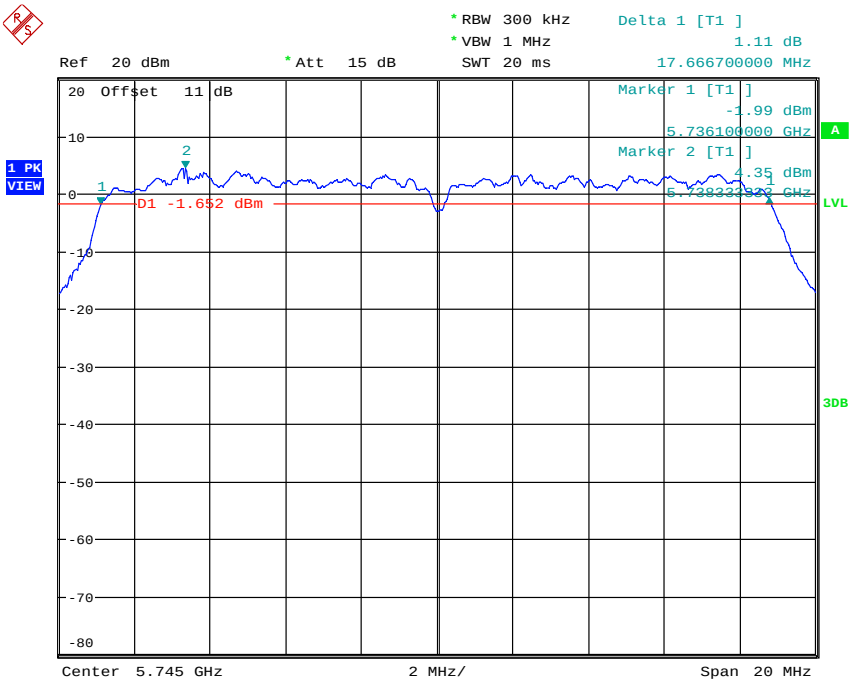
6DB BANDWIDTH 802.11A CH157
Date: 19.FEB.2014 12:21:44



6DB BANDWIDTH 802.11A CH161
Date: 21.FEB.2014 09:56:01

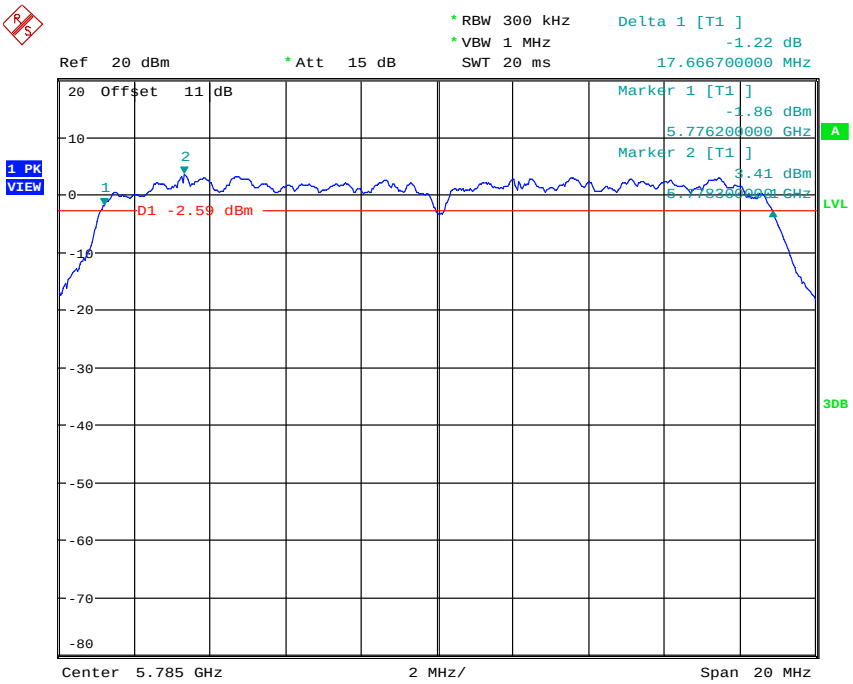
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode B



6DB BANDWIDTH 802.11N 20MHZ CH149

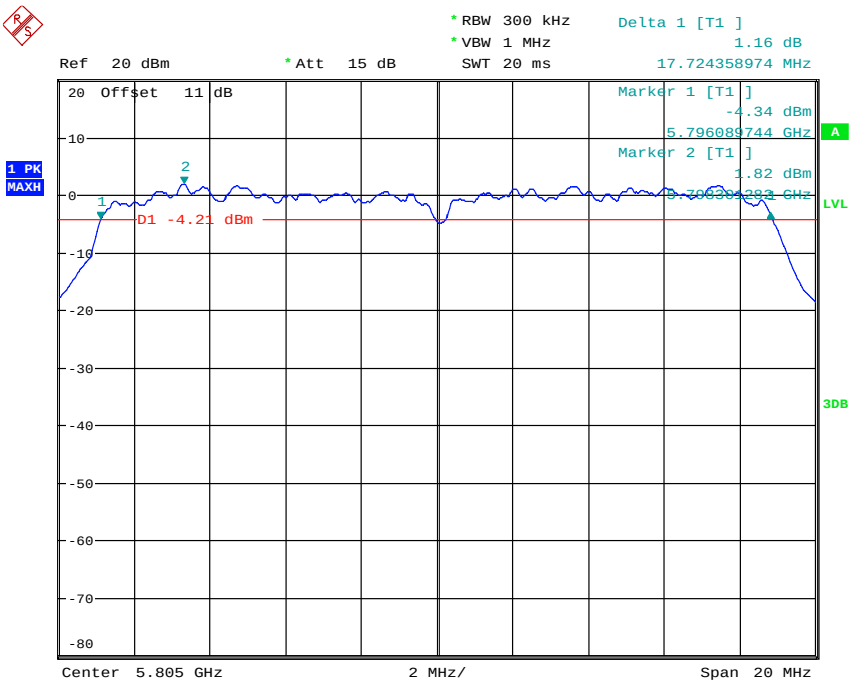
Date: 21.FEB.2014 09:01:55



6DB BANDWIDTH 802.11N 20MHZ CH157

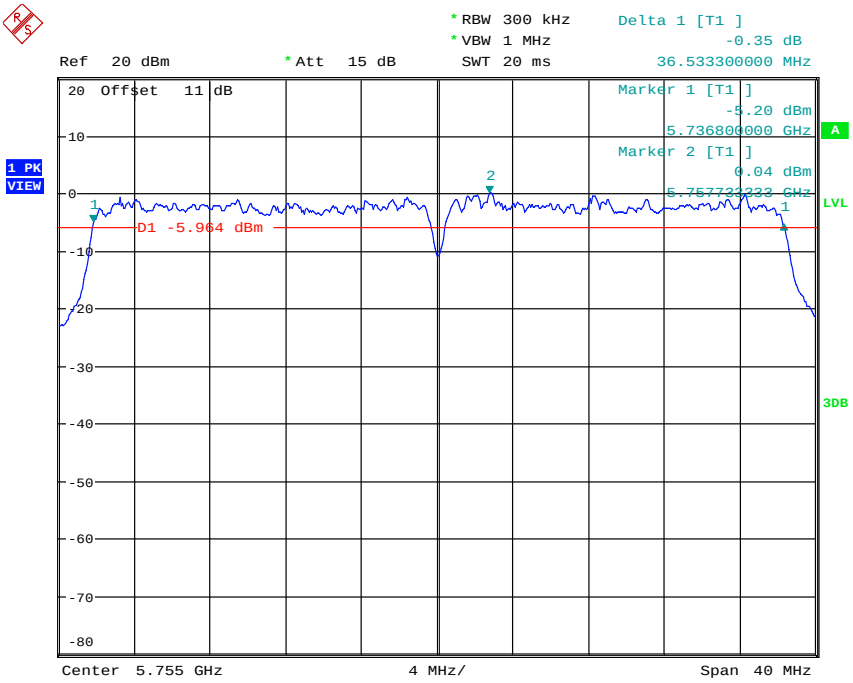
Date: 21.FEB.2014 09:02:47

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



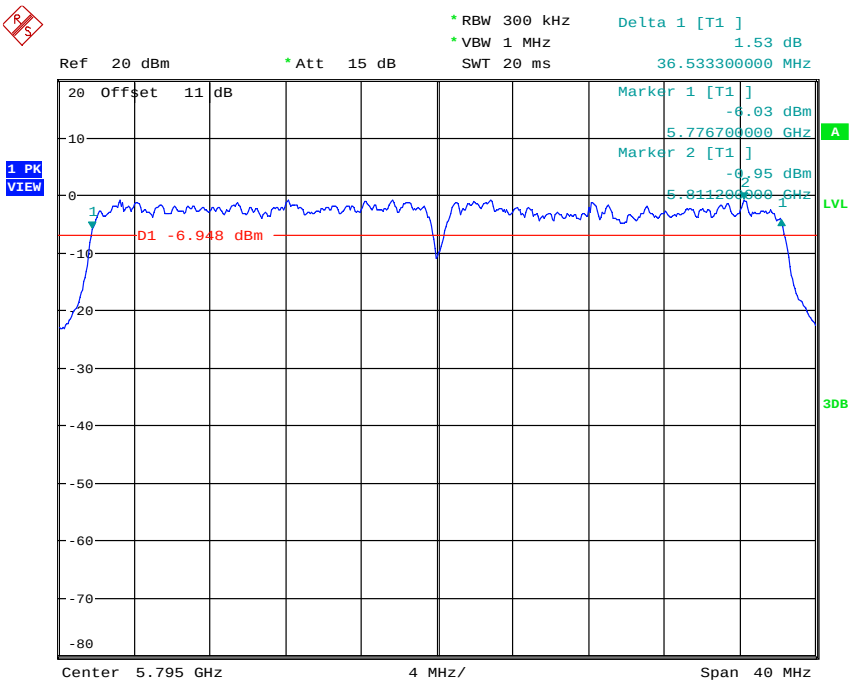
6DB BANDWIDTH 802.11N 20MHZ CH161
Date: 21.FEB.2014 09:54:25

Mode C



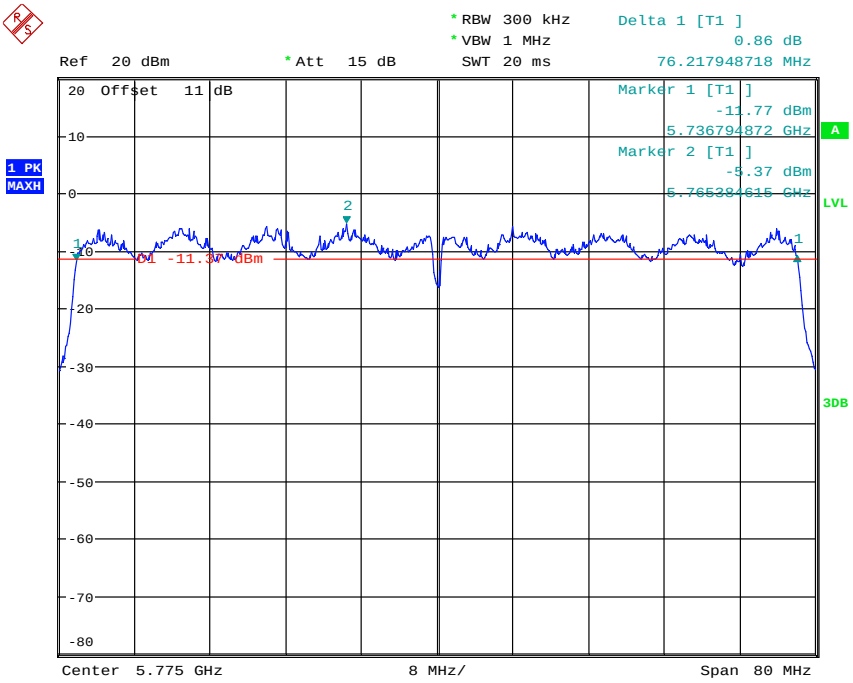
6DB BANDWIDTH 802.11N 40MHZ CH151
Date: 21.FEB.2014 09:03:53

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



6DB BANDWIDTH 802.11N 40MHZ CH159
Date: 21.FEB.2014 09:04:52

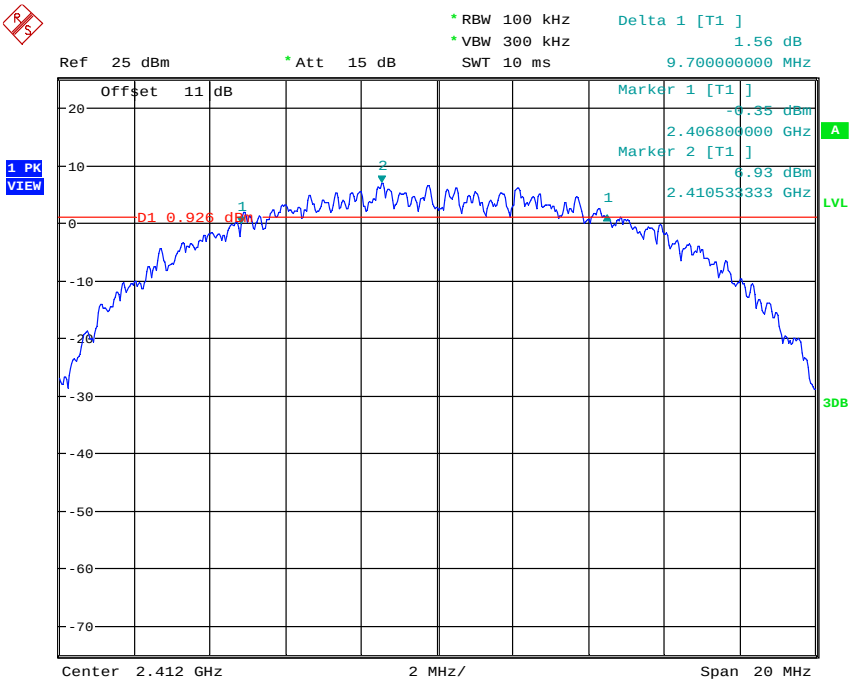
Mode D



6DB BANDWIDTH 802.11AC CH155
Date: 21.FEB.2014 09:59:31

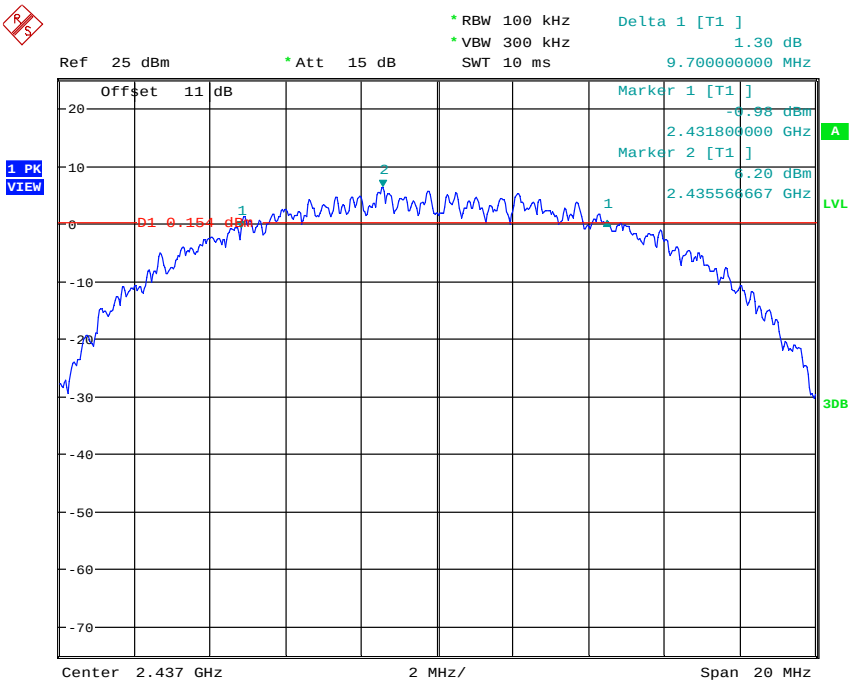
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode E



6DB BANDWIDTH 802.11B CH01

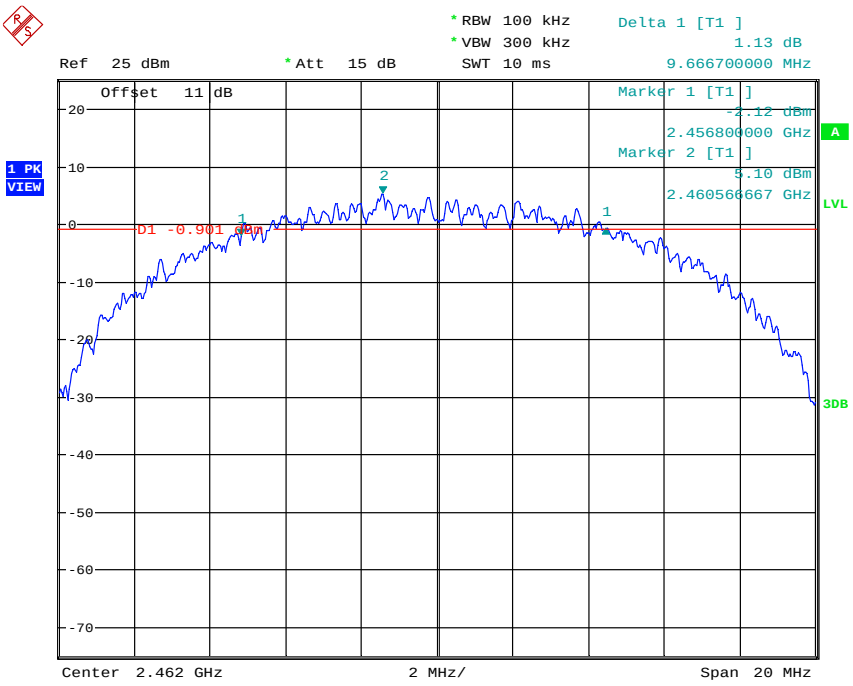
Date: 19.FEB.2014 10:17:15



6DB BANDWIDTH 802.11B CH06

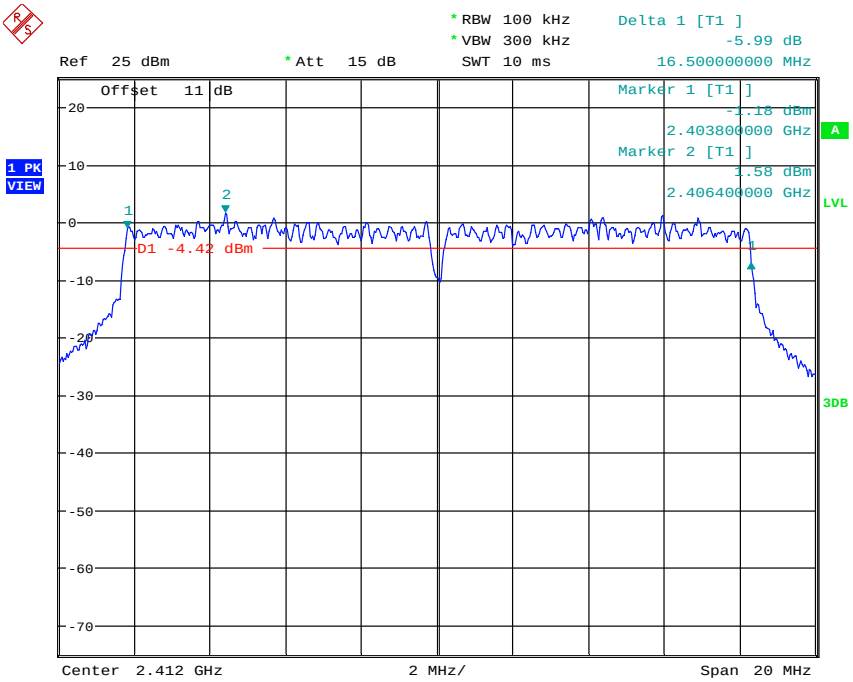
Date: 19.FEB.2014 10:18:12

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



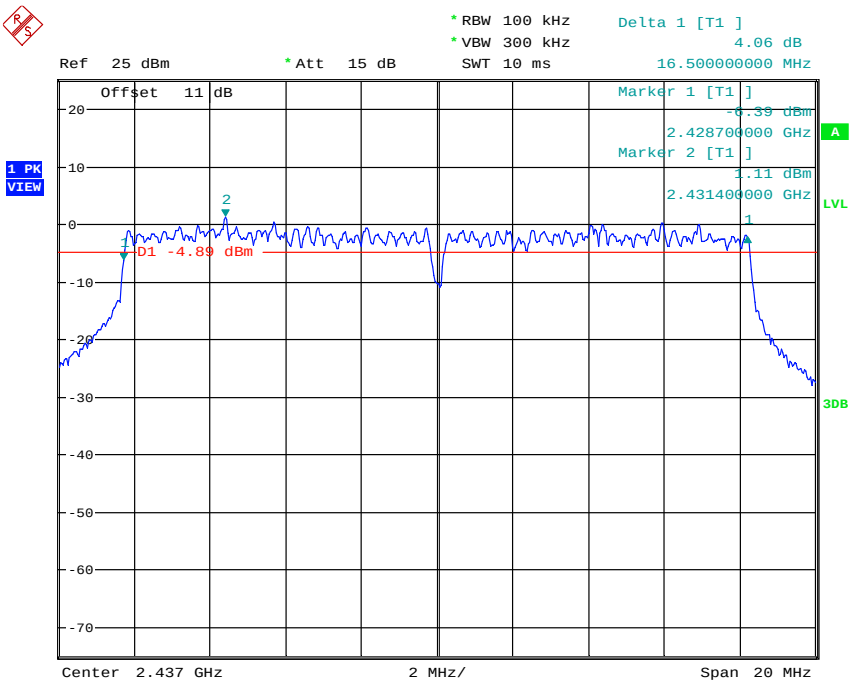
6DB BANDWIDTH 802.11B CH11
Date: 19.FEB.2014 10:18:47

Mode F

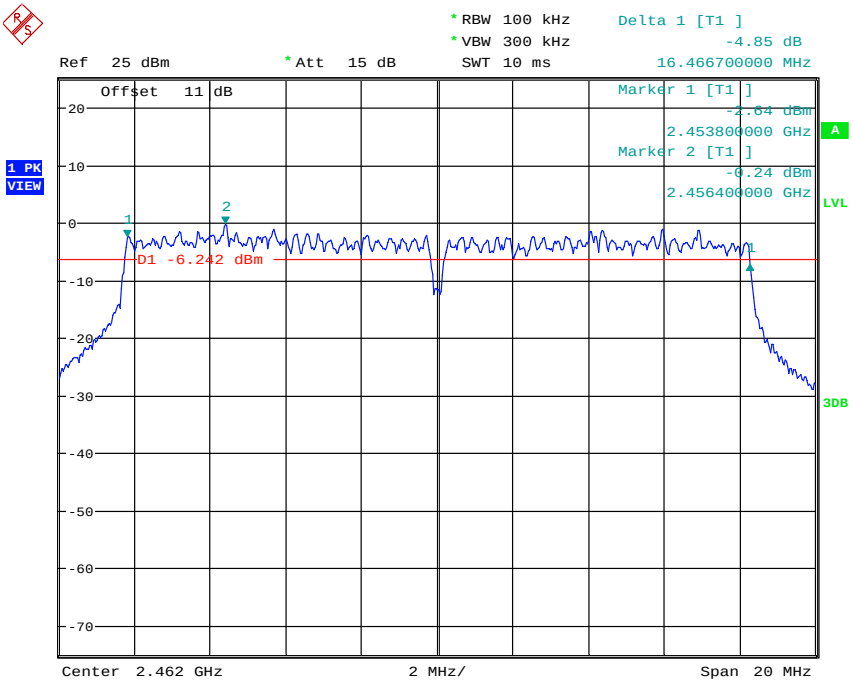


6DB BANDWIDTH 802.11G CH01
Date: 19.FEB.2014 10:21:52

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



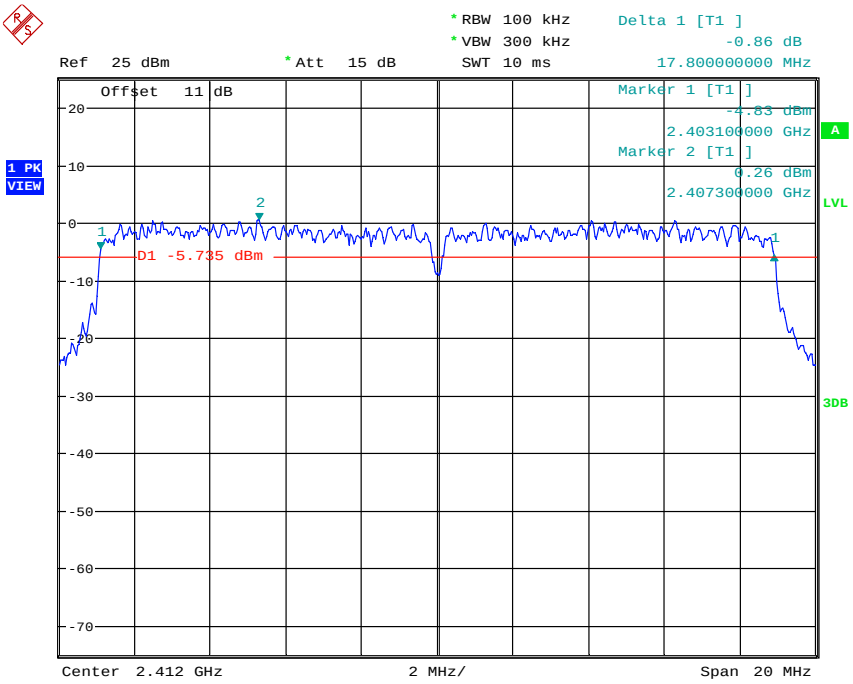
6DB BANDWIDTH 802.11G CH06
Date: 19.FEB.2014 10:23:09



6DB BANDWIDTH 802.11G CH11
Date: 19.FEB.2014 10:24:02

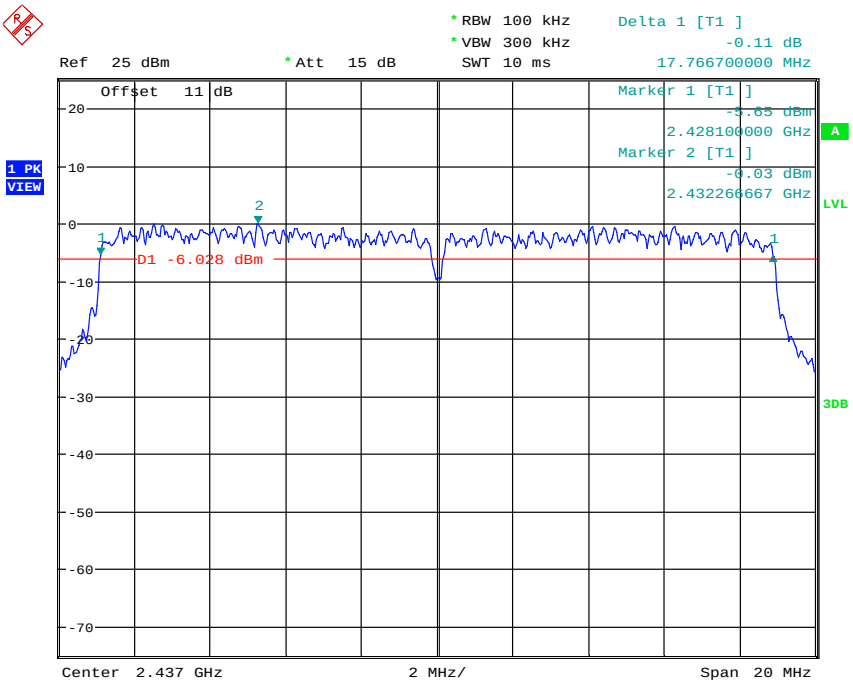
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode G



6DB BANDWIDTH 802.11N 20MHZ CH01

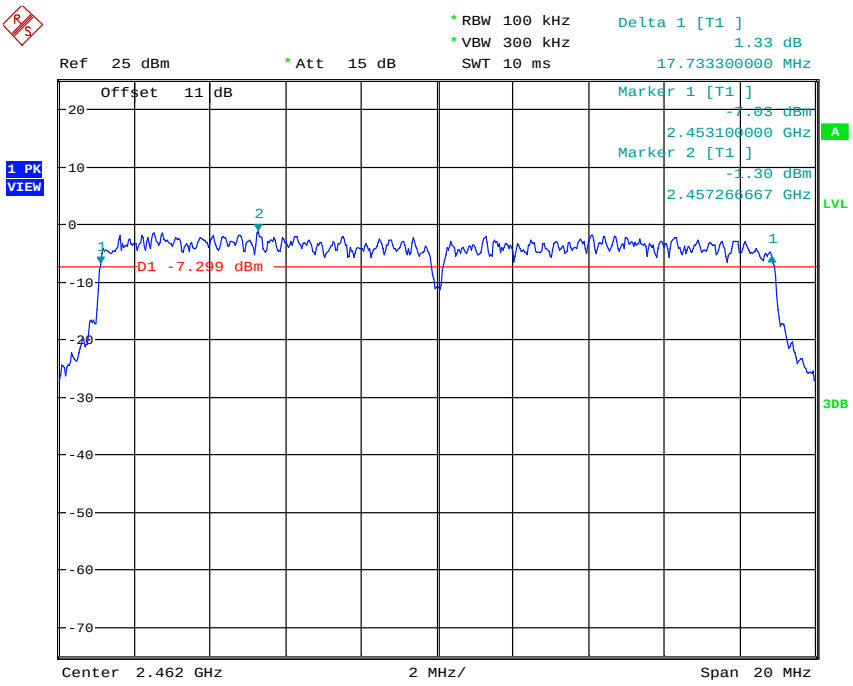
Date: 19.FEB.2014 10:25:23



6DB BANDWIDTH 802.11N 20MHZ CH06

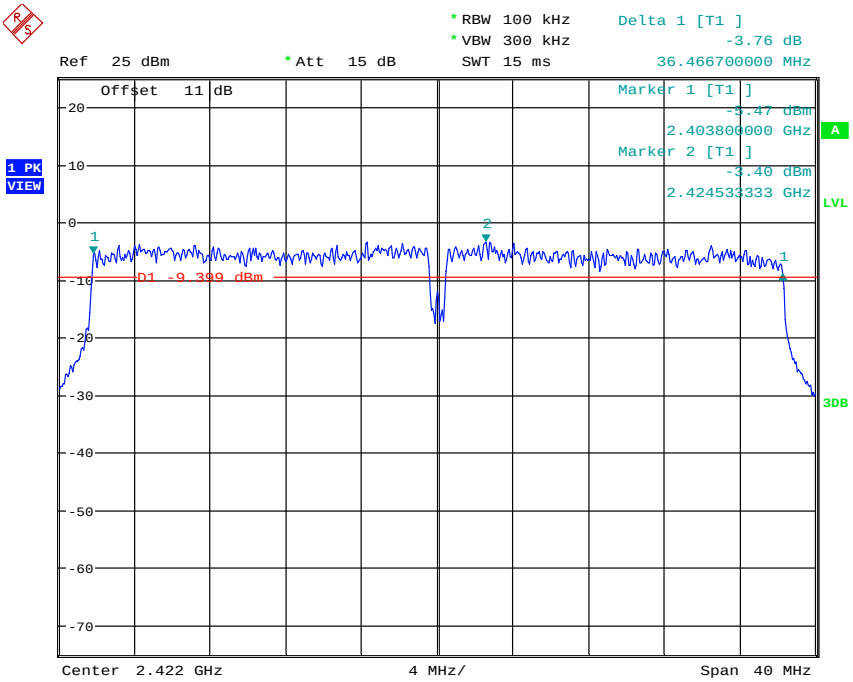
Date: 19.FEB.2014 10:26:17

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



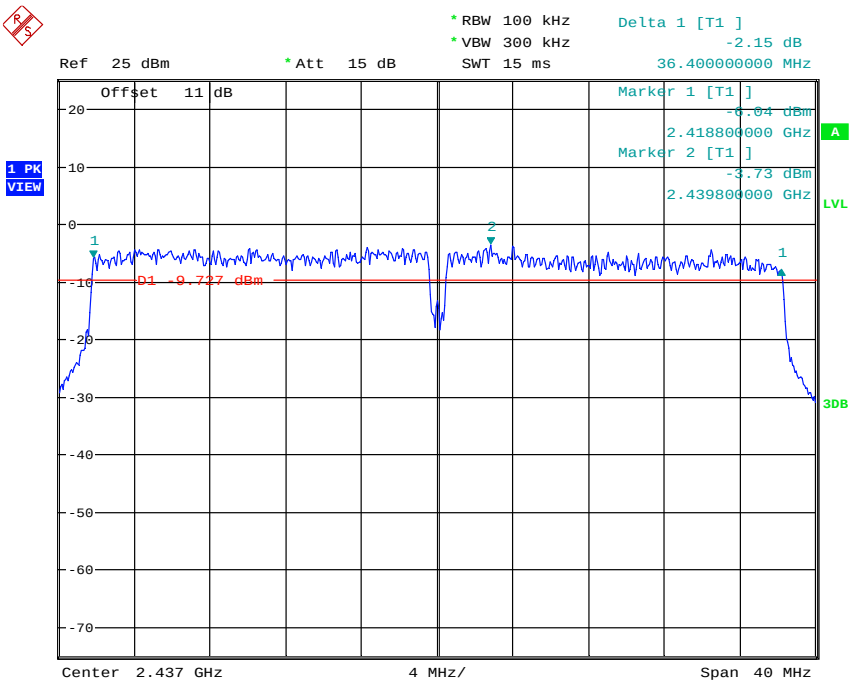
6DB BANDWIDTH 802.11N 20MHZ CH11
Date: 19.FEB.2014 10:27:07

Mode H

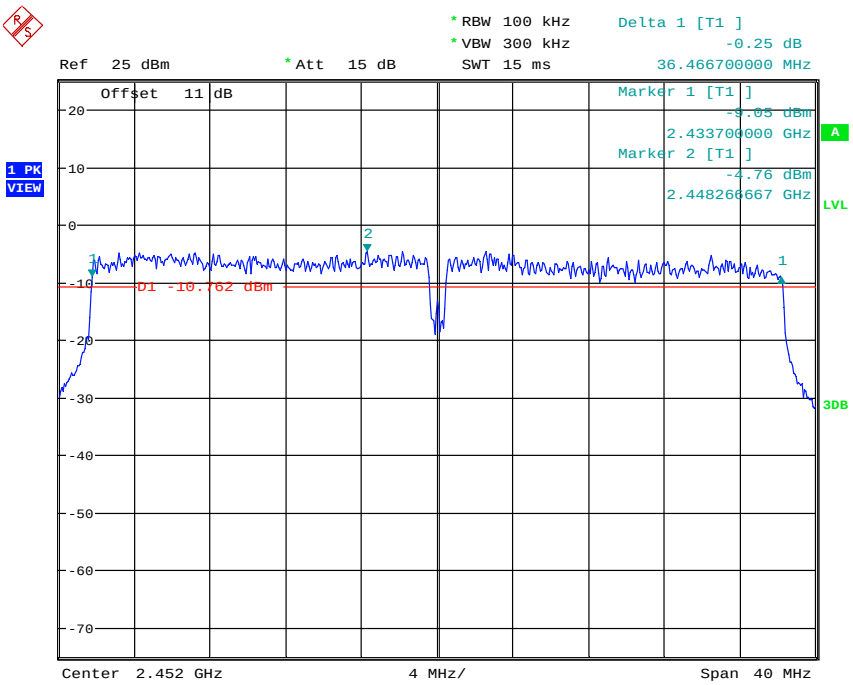


6DB BANDWIDTH 802.11N 40MHZ CH01
Date: 19.FEB.2014 10:28:04

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



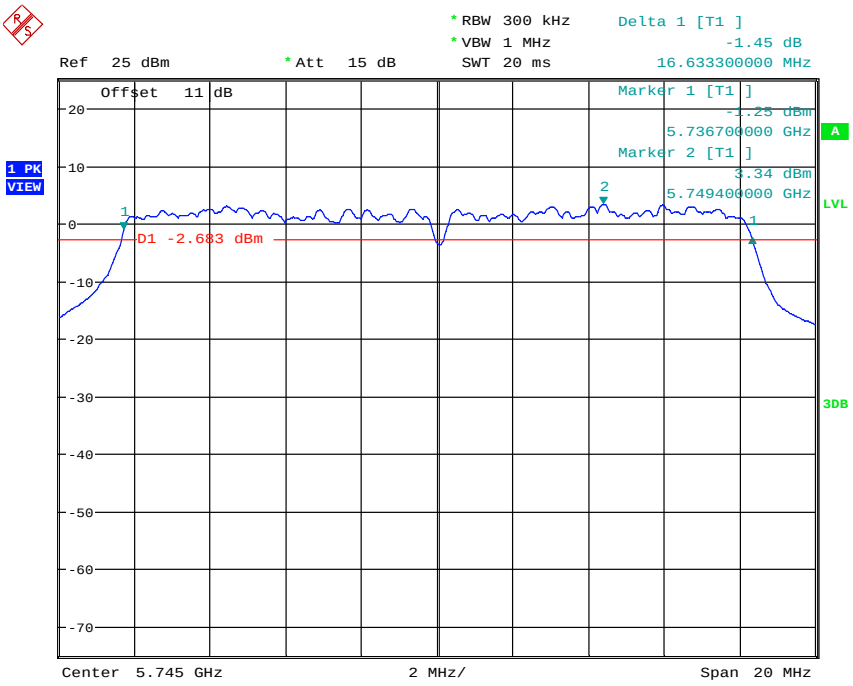
6DB BANDWIDTH 802.11N 40MHZ CH04
Date: 19.FEB.2014 10:29:01



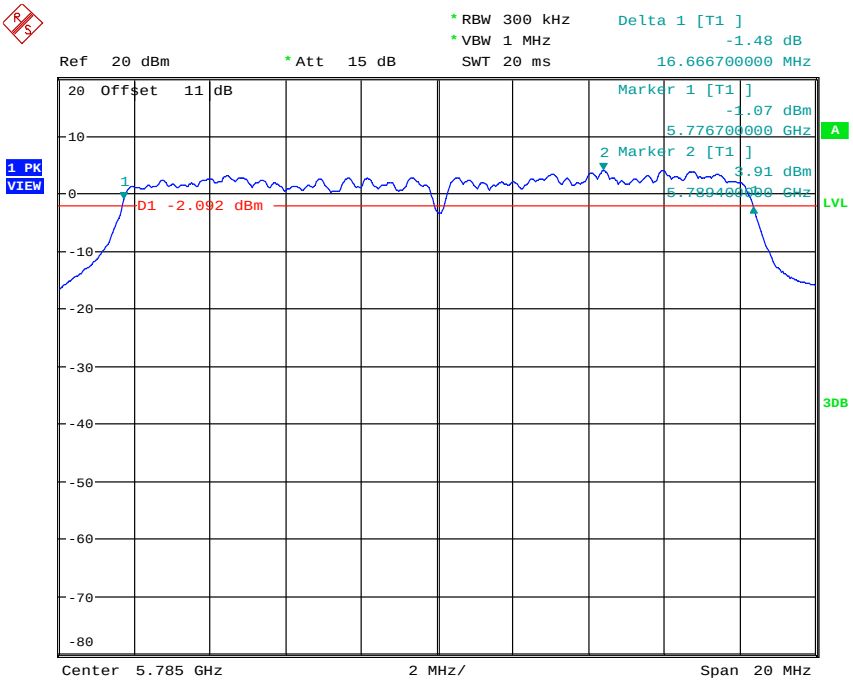
6DB BANDWIDTH 802.11N 40MHZ CH07
Date: 19.FEB.2014 10:29:37

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna B
Mode A

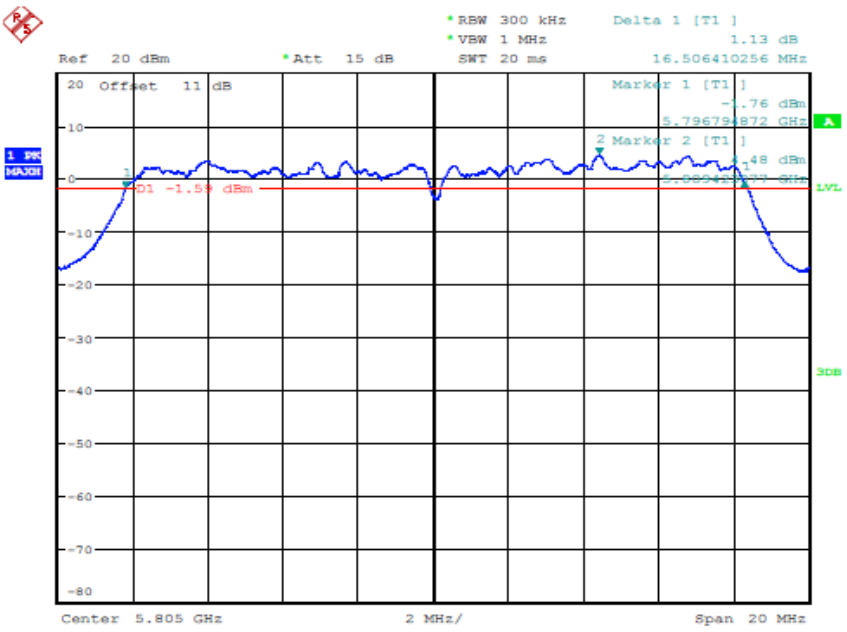


6DB BANDWIDTH 802.11A CH149
Date: 19.FEB.2014 11:41:52



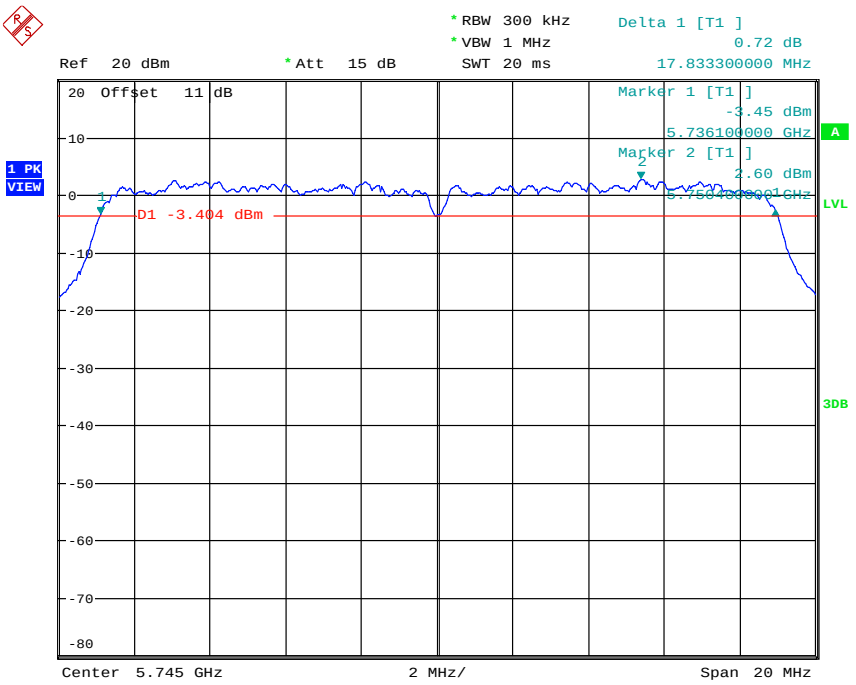
6DB BANDWIDTH 802.11A CH157
Date: 19.FEB.2014 11:42:44

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



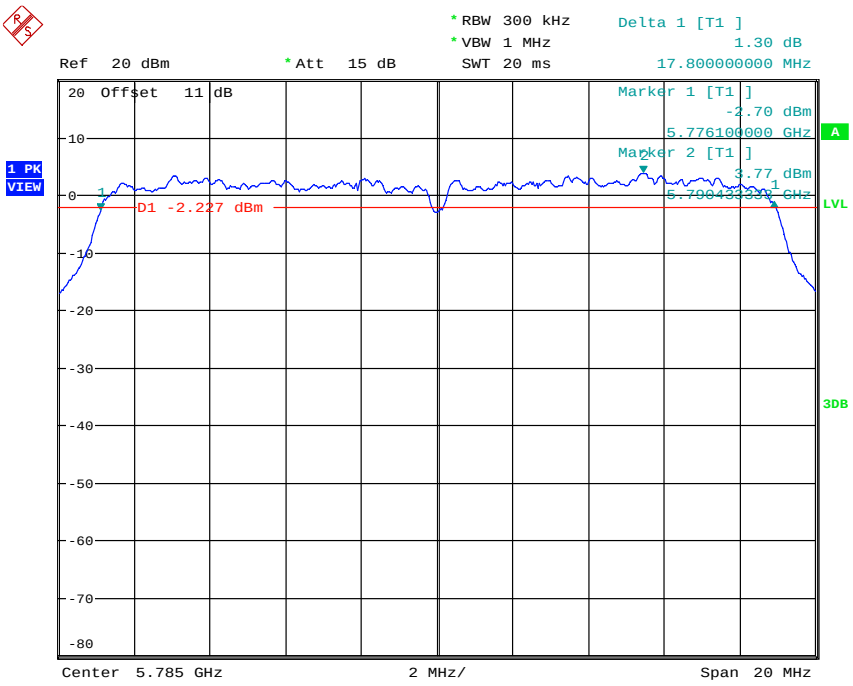
6DB BANDWIDTH 802.11A CH161
Date: 21.FEB.2014 06:54:59

Mode B

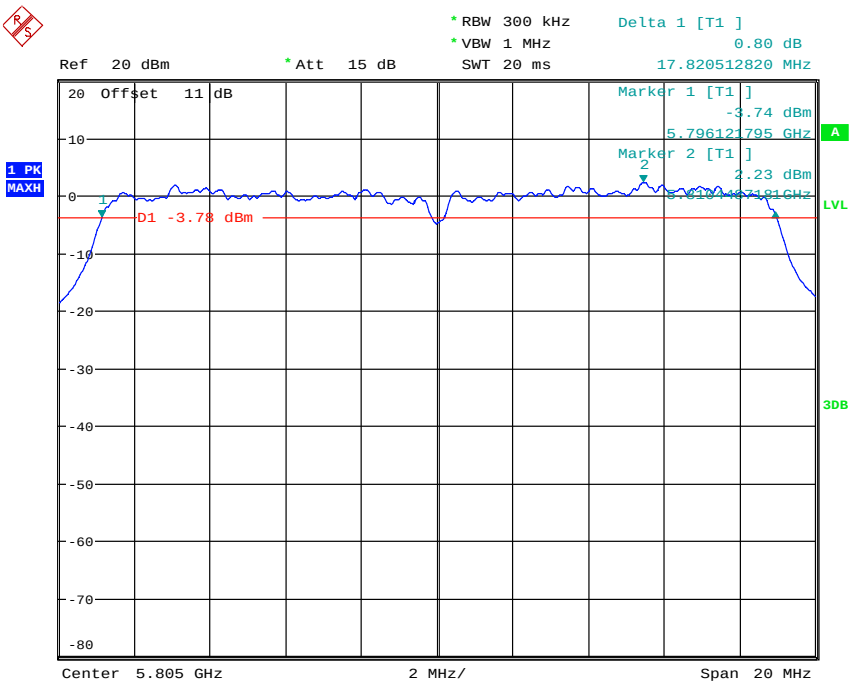


6DB BANDWIDTH 802.11N 20MHZ CH149
Date: 21.FEB.2014 06:13:04

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



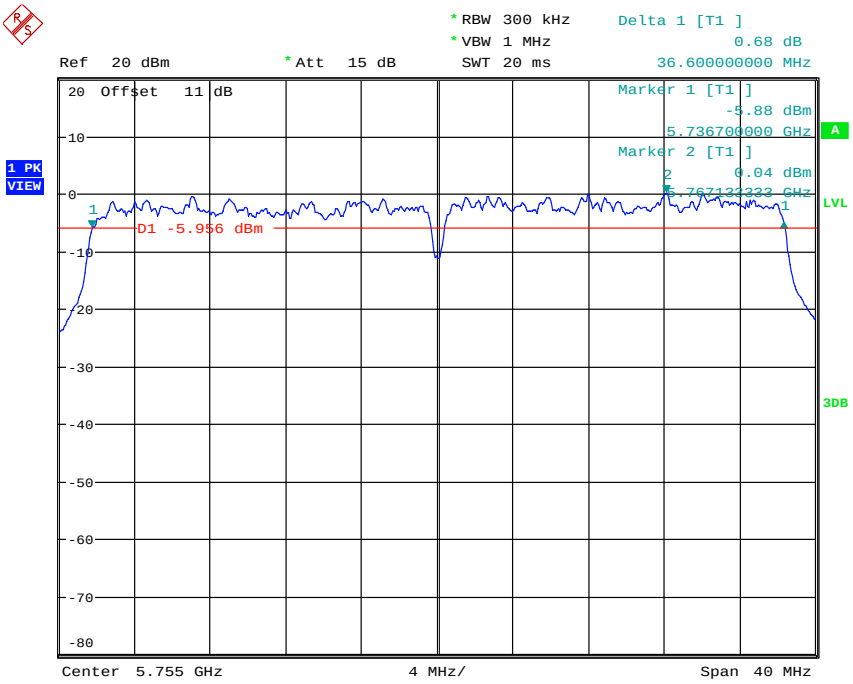
6DB BANDWIDTH 802.11N 20MHZ CH157
Date: 21.FEB.2014 06:13:54



6DB BANDWIDTH 802.11N 20MHZ CH161
Date: 21.FEB.2014 06:49:53

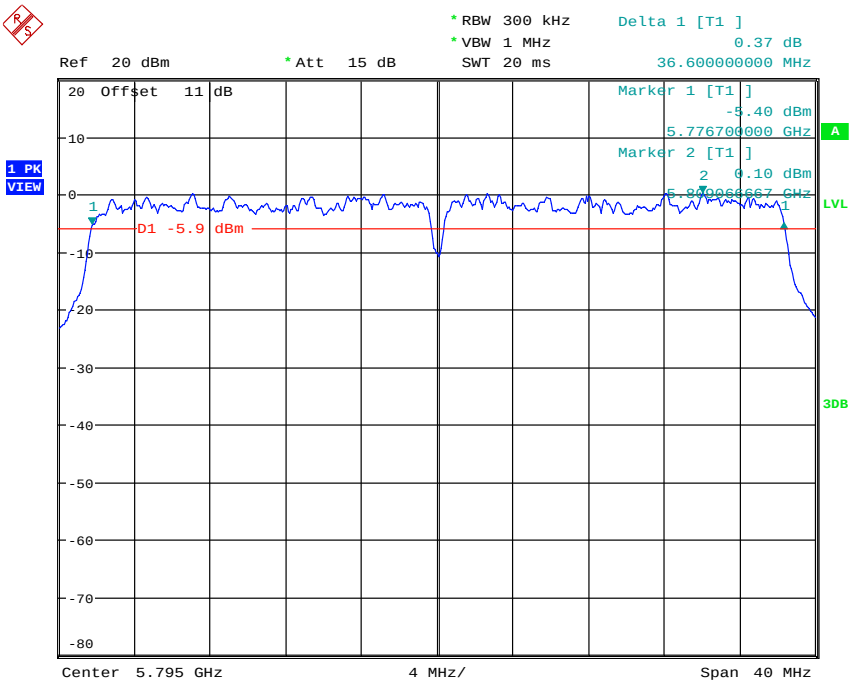
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode C



6DB BANDWIDTH 802.11N 40MHZ CH151

Date: 21.FEB.2014 06:14:50

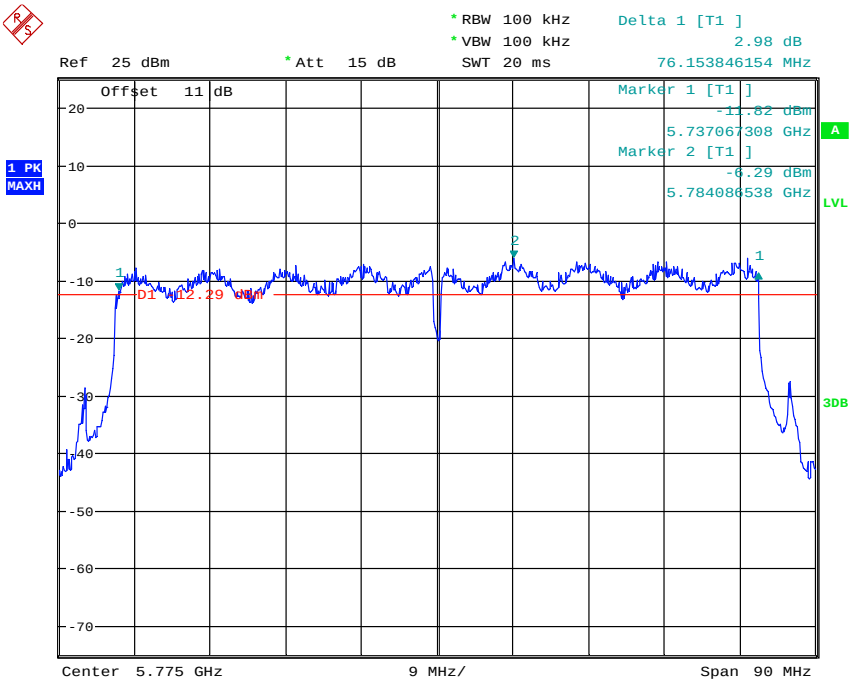


6DB BANDWIDTH 802.11N 40MHZ CH159

Date: 21.FEB.2014 06:15:50

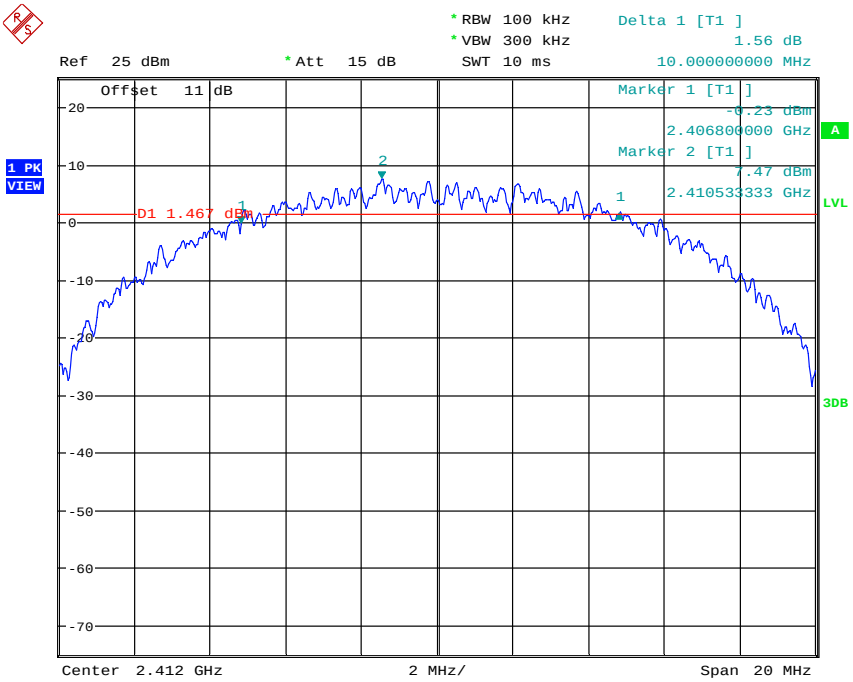
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode D



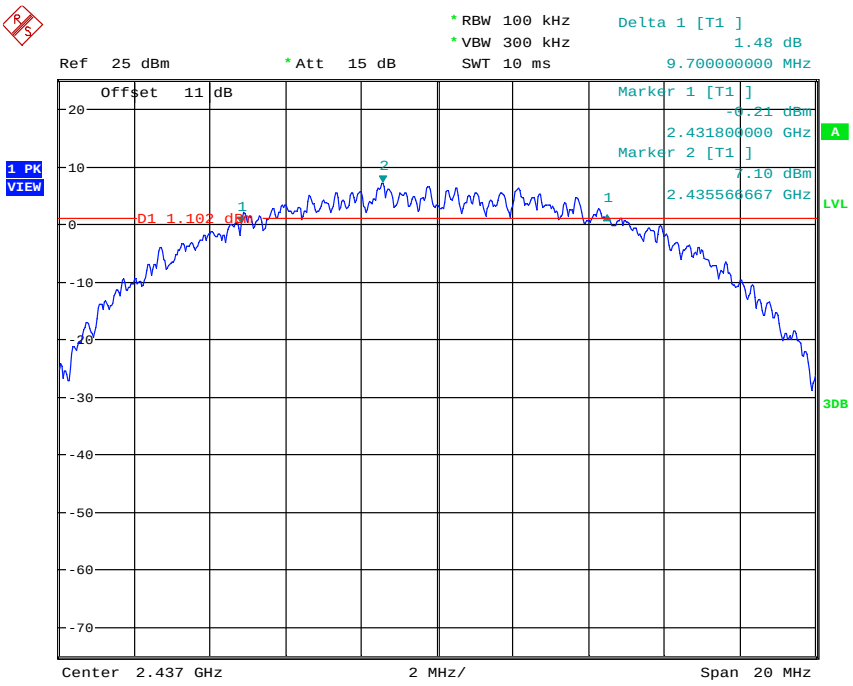
6DB BANDWIDTH 802.11AC CH155
Date: 21.FEB.2014 08:52:01

Mode E

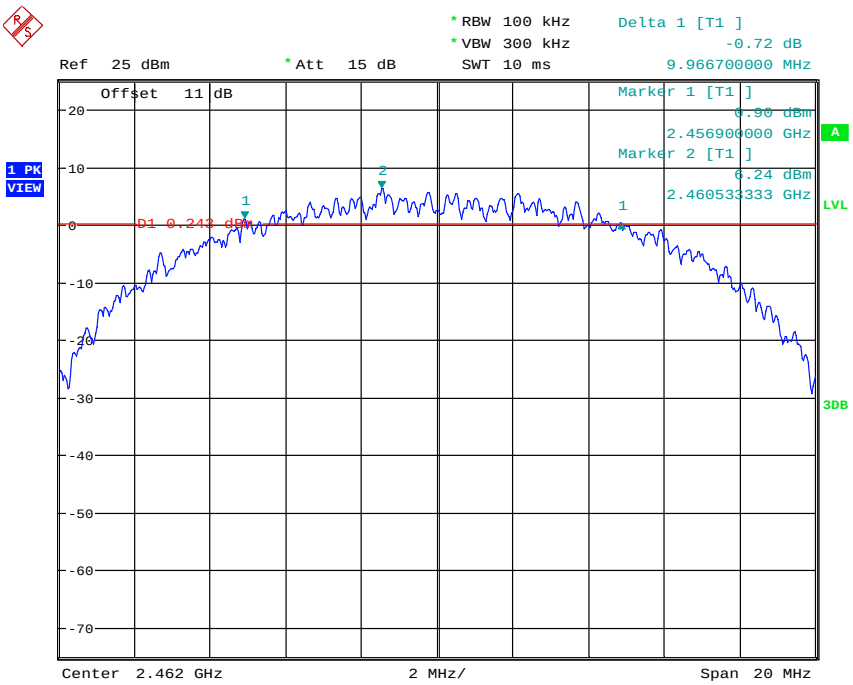


6DB BANDWIDTH 802.11B CH01
Date: 19.FEB.2014 11:01:20

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



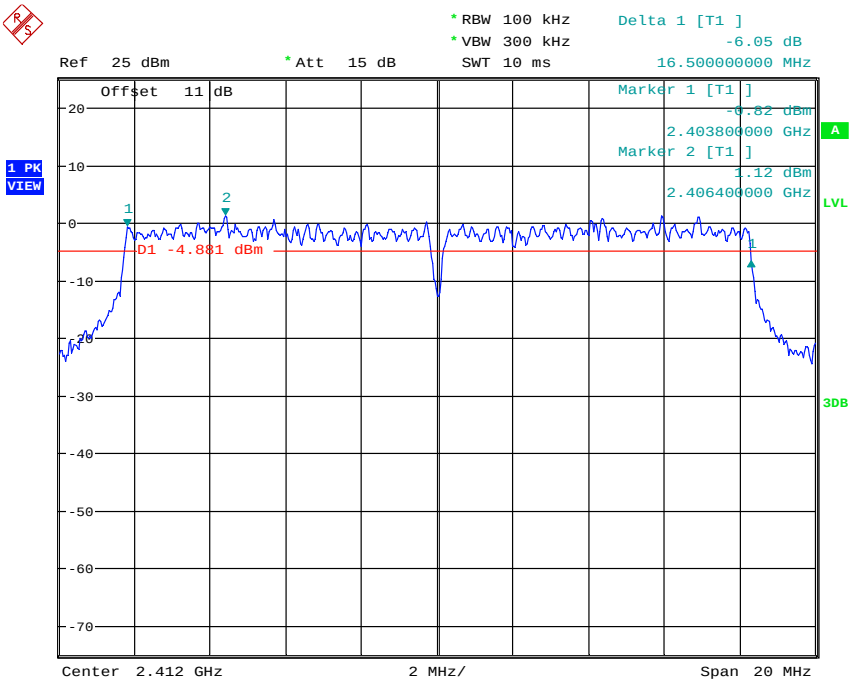
6DB BANDWIDTH 802.11B CH06
Date: 19.FEB.2014 11:01:59



6DB BANDWIDTH 802.11B CH11
Date: 19.FEB.2014 11:02:44

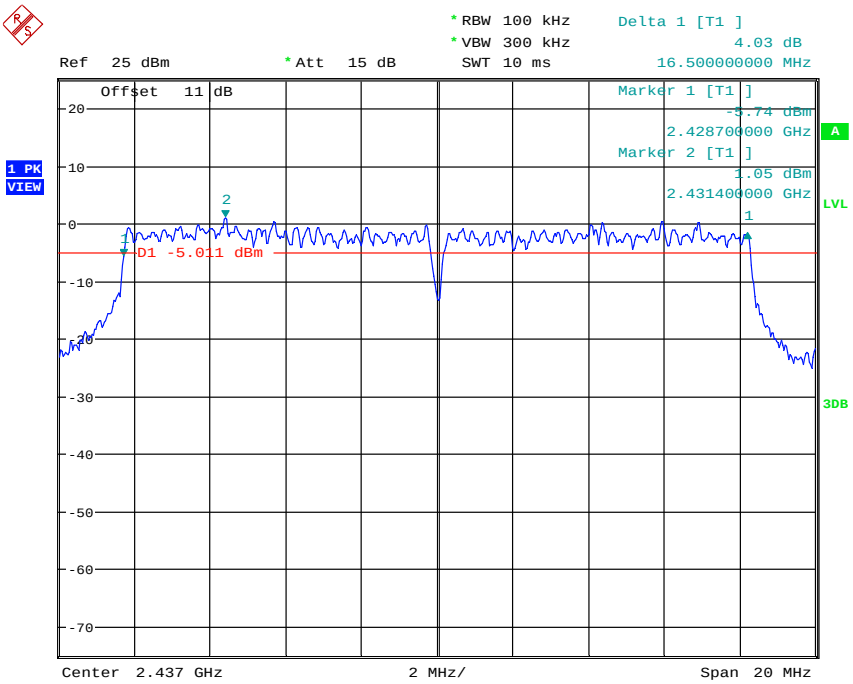
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode F



6DB BANDWIDTH 802.11G CH01

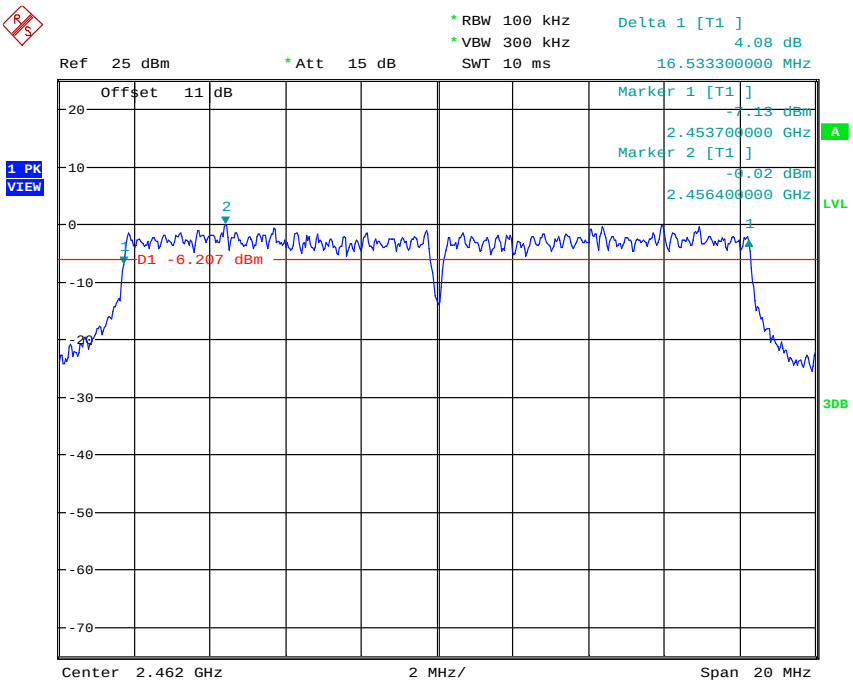
Date: 19.FEB.2014 11:03:56



6DB BANDWIDTH 802.11G CH06

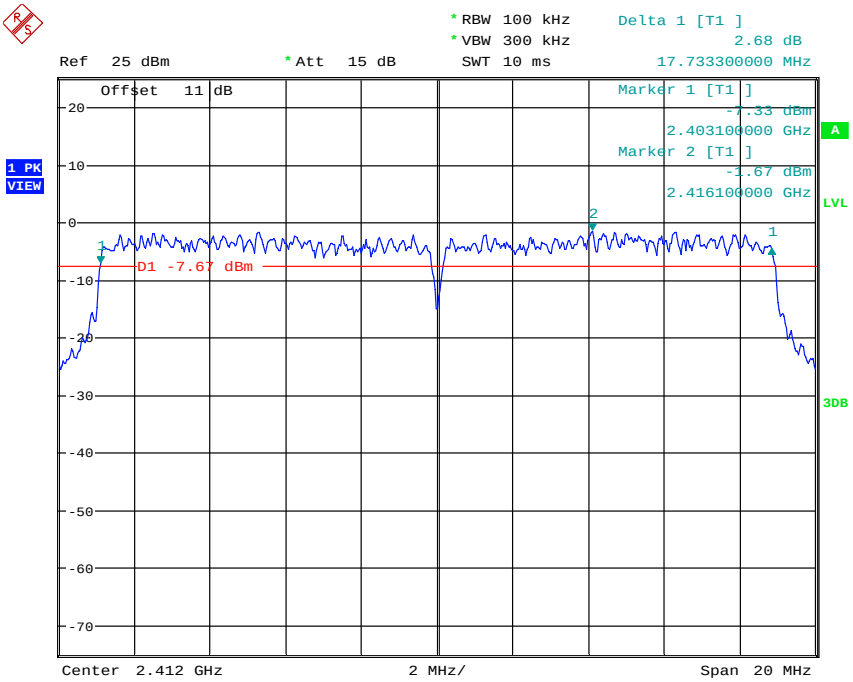
Date: 19.FEB.2014 11:04:34

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

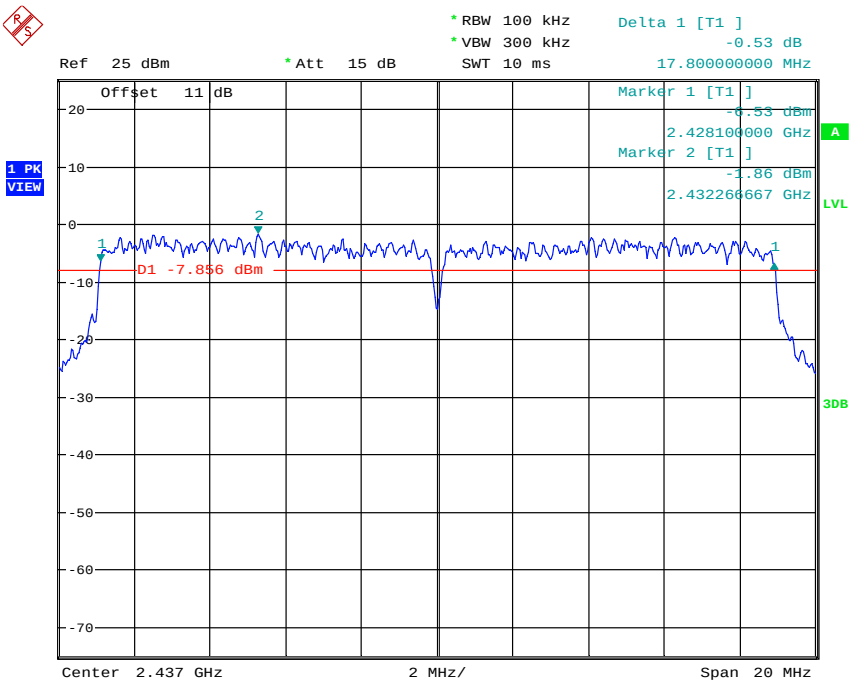


6DB BANDWIDTH 802.11G CH11
Date: 19.FEB.2014 11:05:35

Mode G

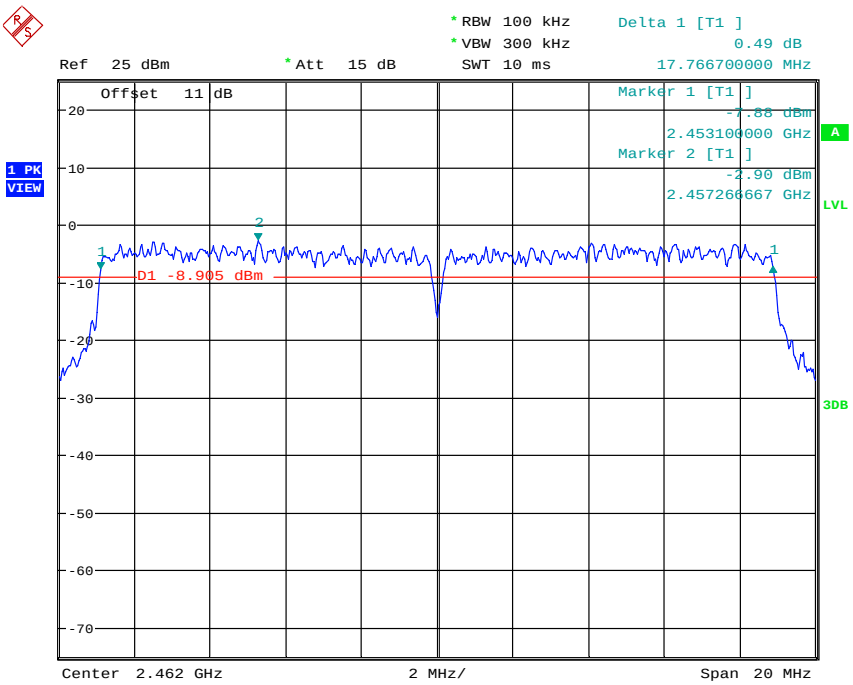


6DB BANDWIDTH 802.11N 20MHZ CH01
Date: 19.FEB.2014 11:06:17



6DB BANDWIDTH 802.11N 20MHZ CH06

Date: 19.FEB.2014 11:07:06

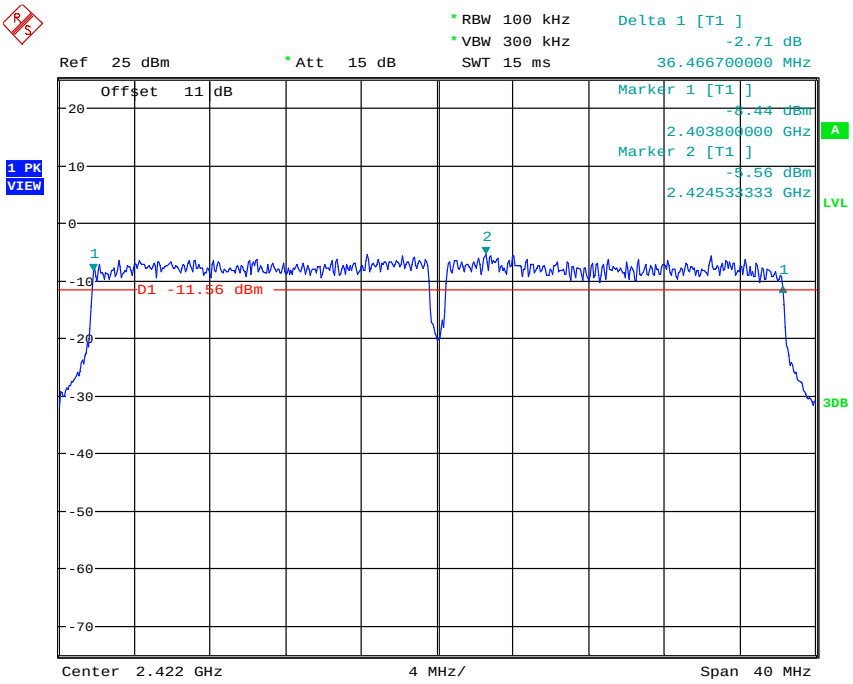


6DB BANDWIDTH 802.11N 20MHZ CH11

Date: 19.FEB.2014 11:07:42

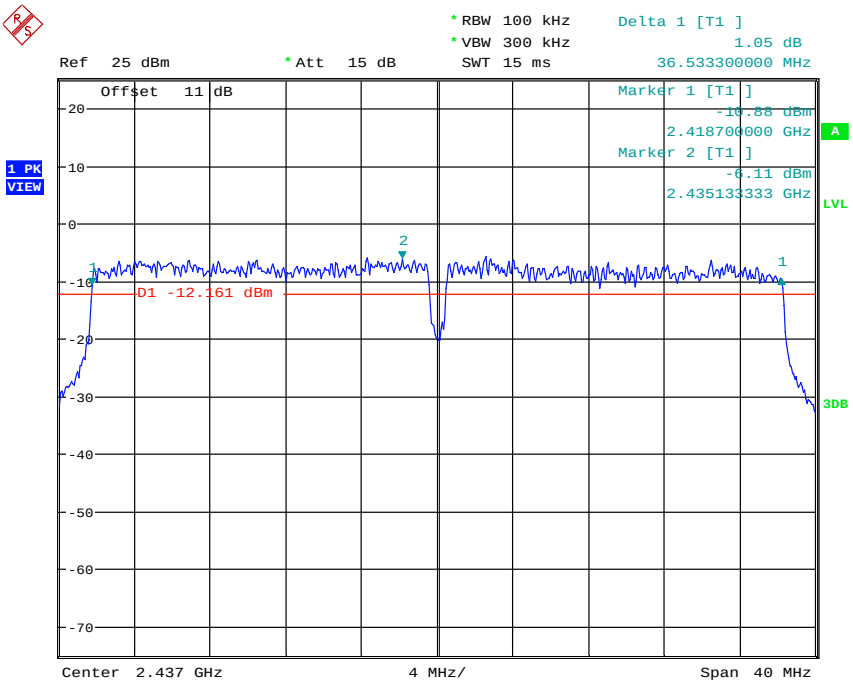
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode H



6DB BANDWIDTH 802.11N 40MHZ CH01

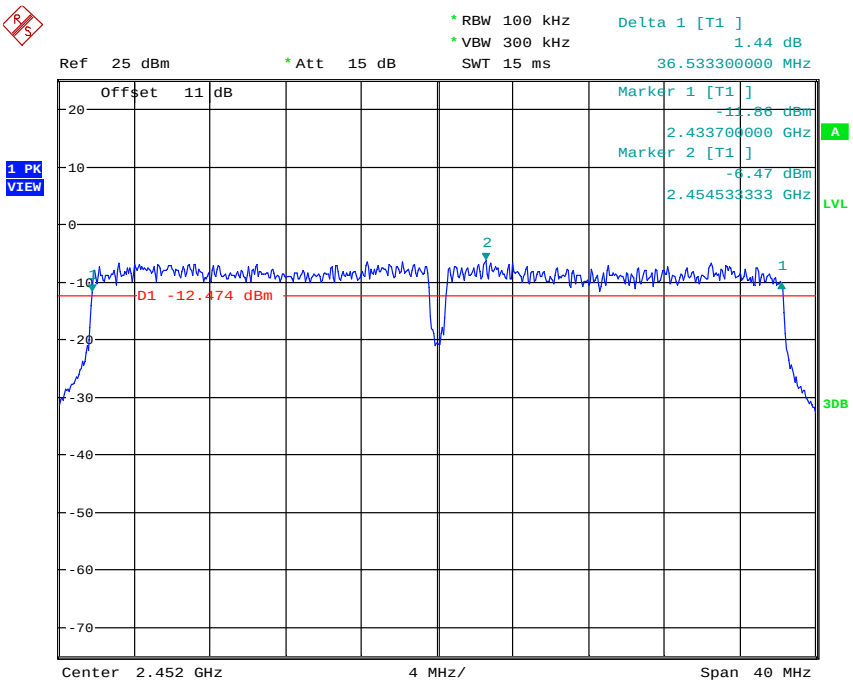
Date: 19.FEB.2014 11:08:31



6DB BANDWIDTH 802.11N 40MHZ CH04

Date: 19.FEB.2014 11:09:10

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



6DB BANDWIDTH 802.11N 40MHZ CH07
Date: 19.FEB.2014 11:09:47

Limits:

Frequency Range MHz	**Limits**
902-928	min 500 kHz
2400-2483.5	min 500 kHz
5725-5850	min 500 kHz

Test equipment used: ETSTW-RE 055, ETSTW-RE 050

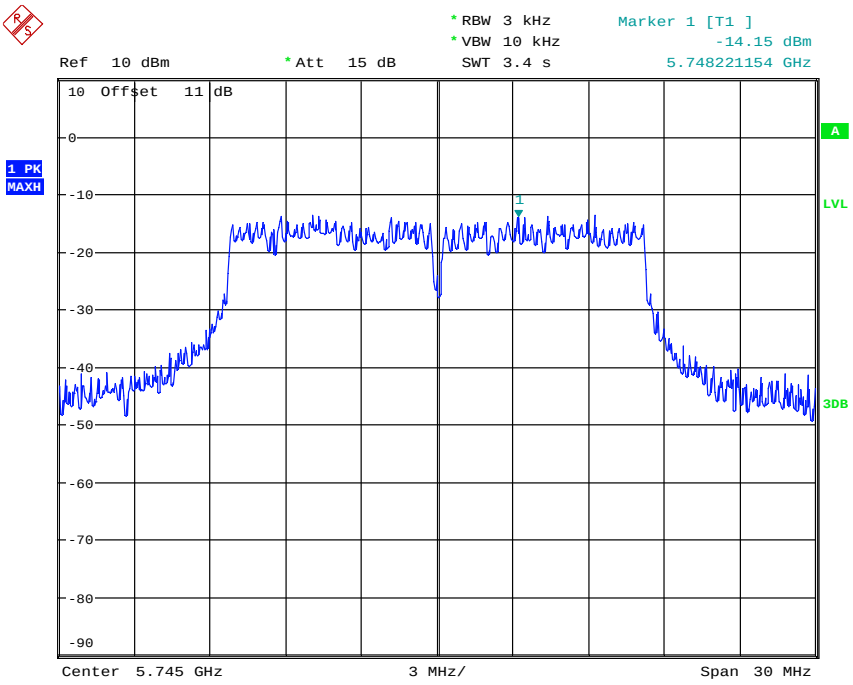
3.8 Peak Power Spectral Density

Peak Power Spectral density is a measured at low, middle and high channel.

The peak output power is measured with a measurement bandwidth of 10 MHz and displayed on diagram together with Peak Power Spectral Density result which was measured with a bandwidth of 3 kHz, appreciate frequency span and sweep time.

Antenna A

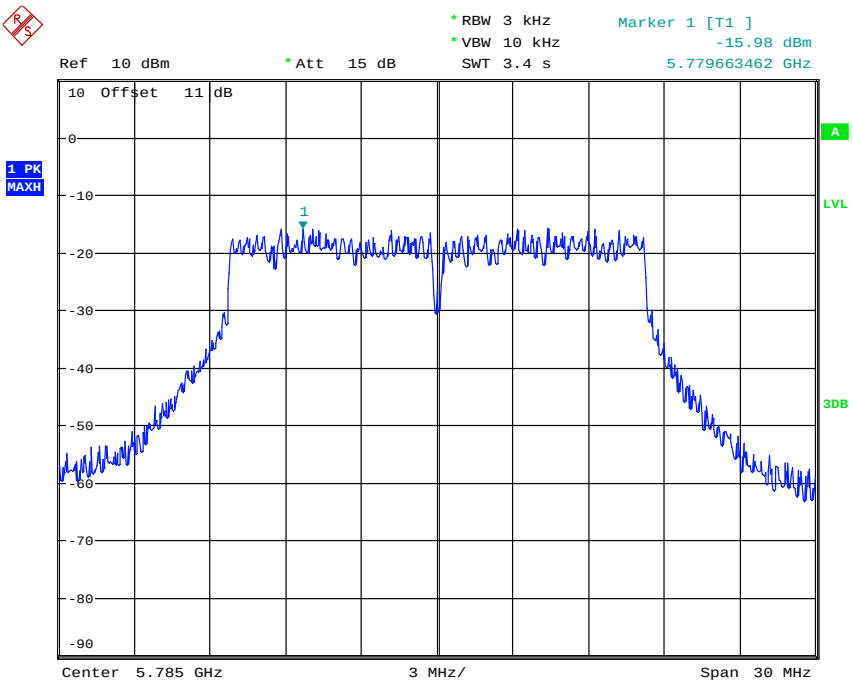
Mode A



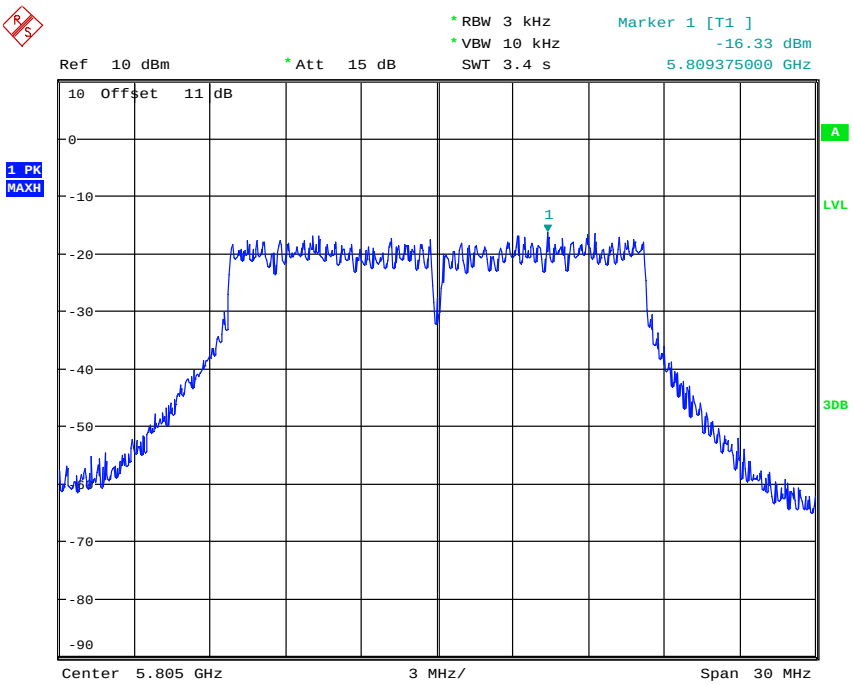
POWER DENSITY 802.11A CH149

Date: 21.FEB.2014 10:23:28

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



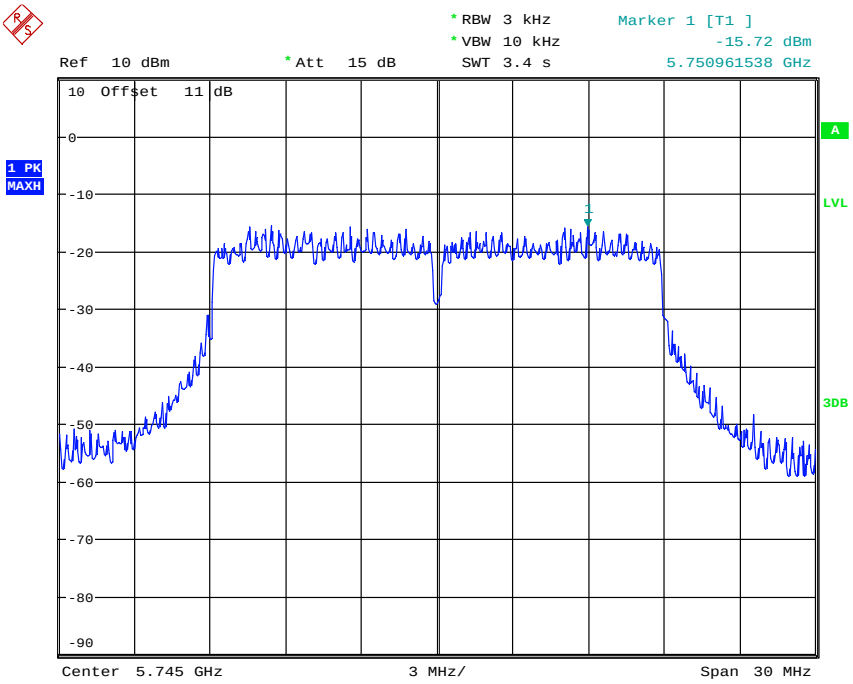
POWER DENSITY 802.11A CH157
Date: 21.FEB.2014 10:22:56



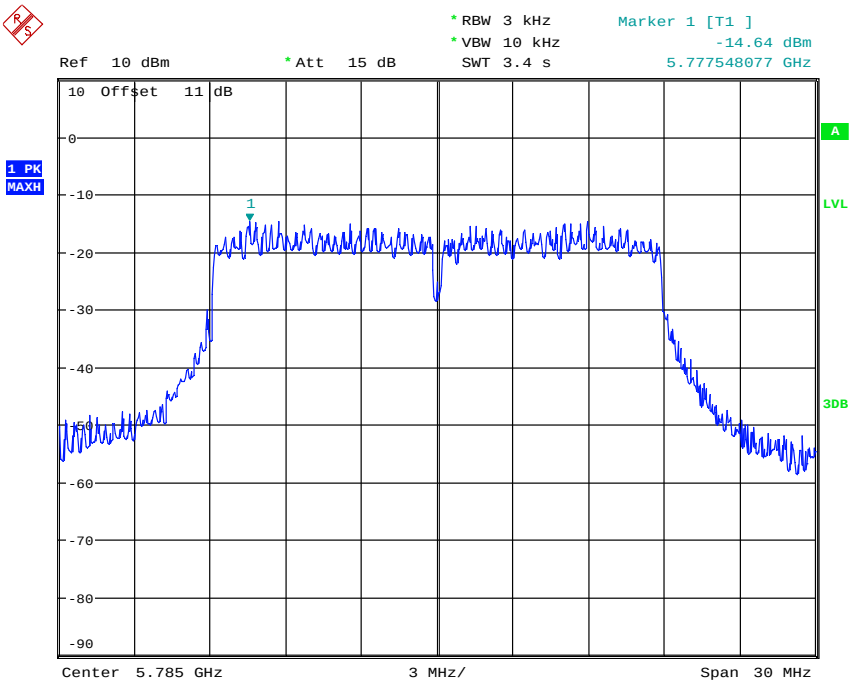
POWER DENSITY 802.11A CH161
Date: 21.FEB.2014 10:22:23

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode B

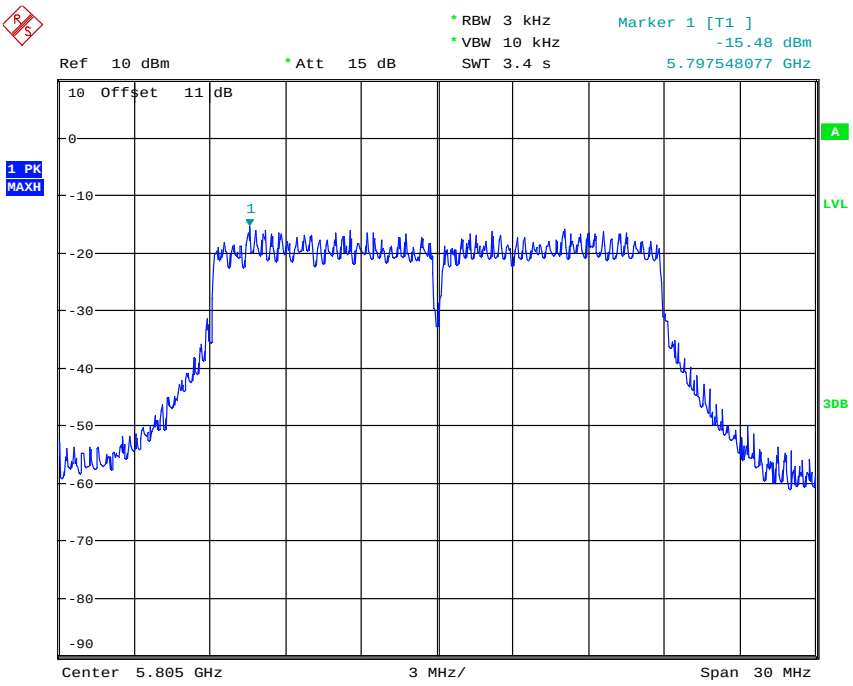


POWER DENSITY 802.11N 20MHZ CH149
Date: 21.FEB.2014 10:19:57



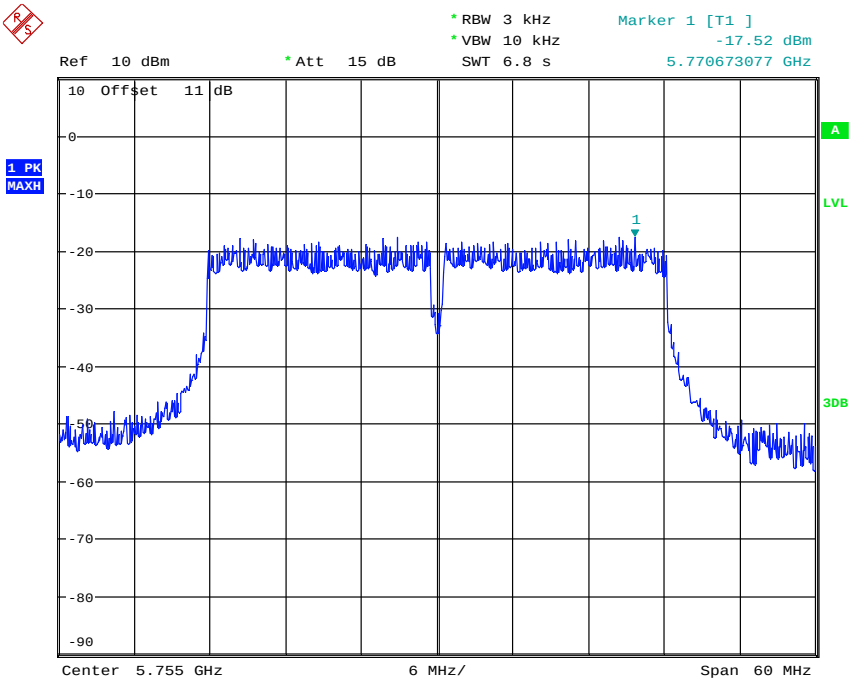
POWER DENSITY 802.11N 20MHZ CH157
Date: 21.FEB.2014 10:20:50

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



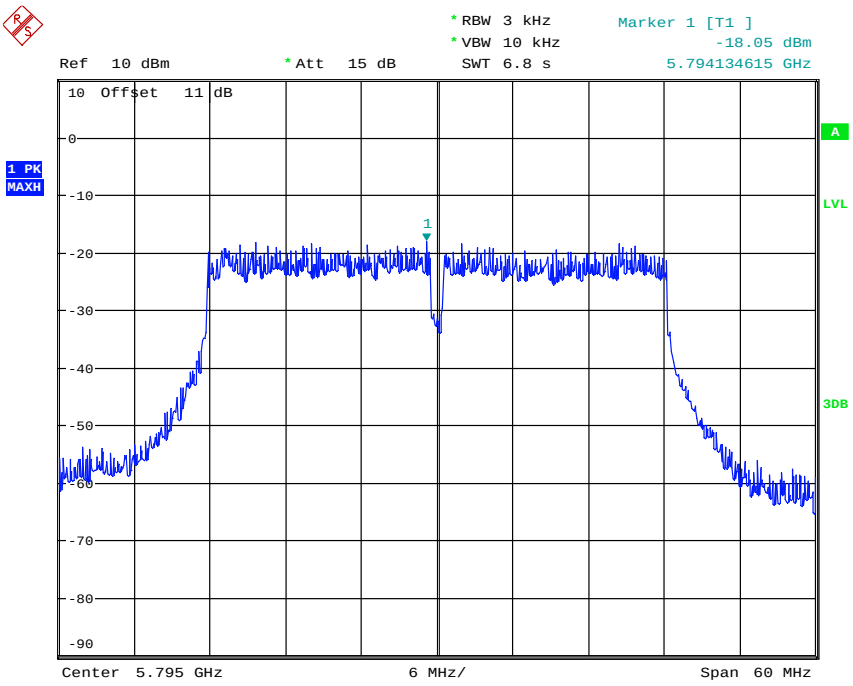
POWER DENSITY 802.11N 20MHZ CH161
Date: 21.FEB.2014 10:21:41

Mode C



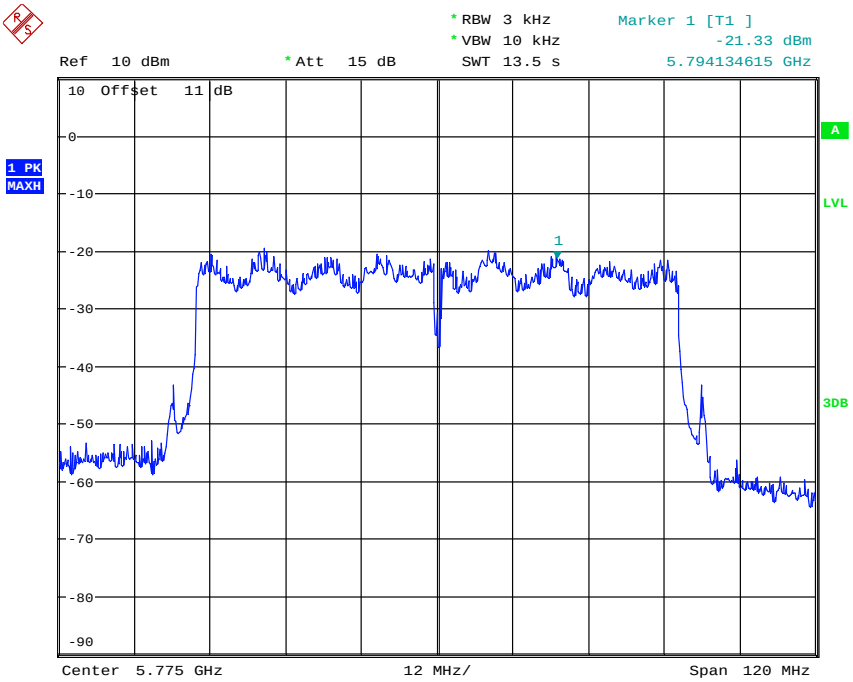
POWER DENSITY 802.11N 40MHZ CH151
Date: 21.FEB.2014 10:24:55

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



POWER DENSITY 802.11N 40MHZ CH159
Date: 21.FEB.2014 10:25:33

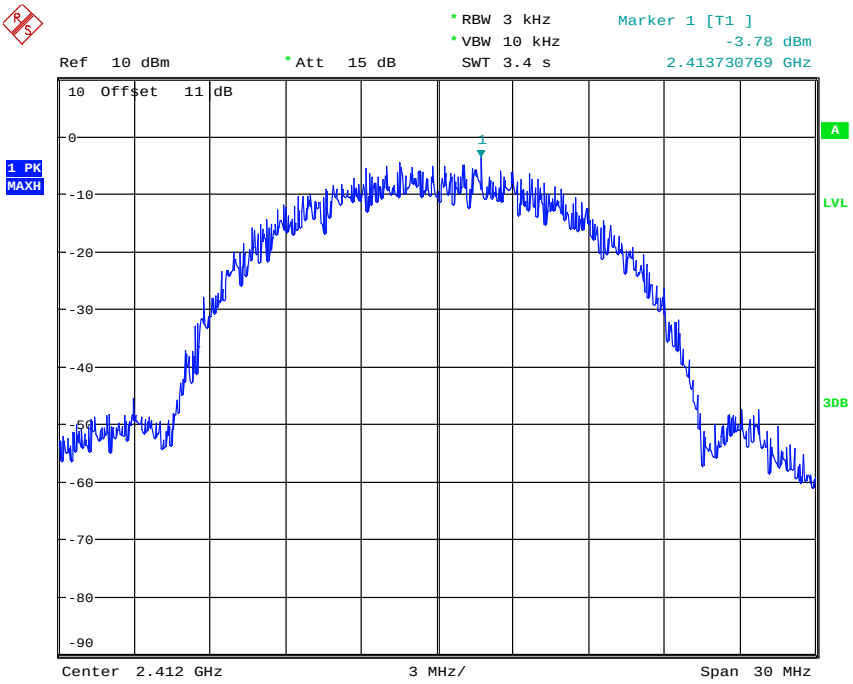
Mode D



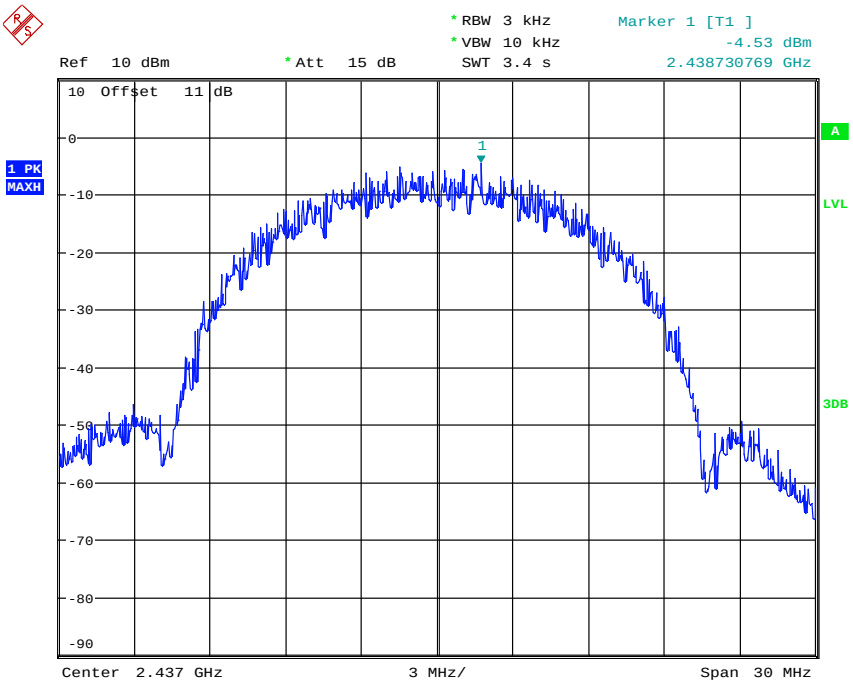
POWER DENSITY 802.11AC CH155
Date: 21.FEB.2014 10:26:57

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode E

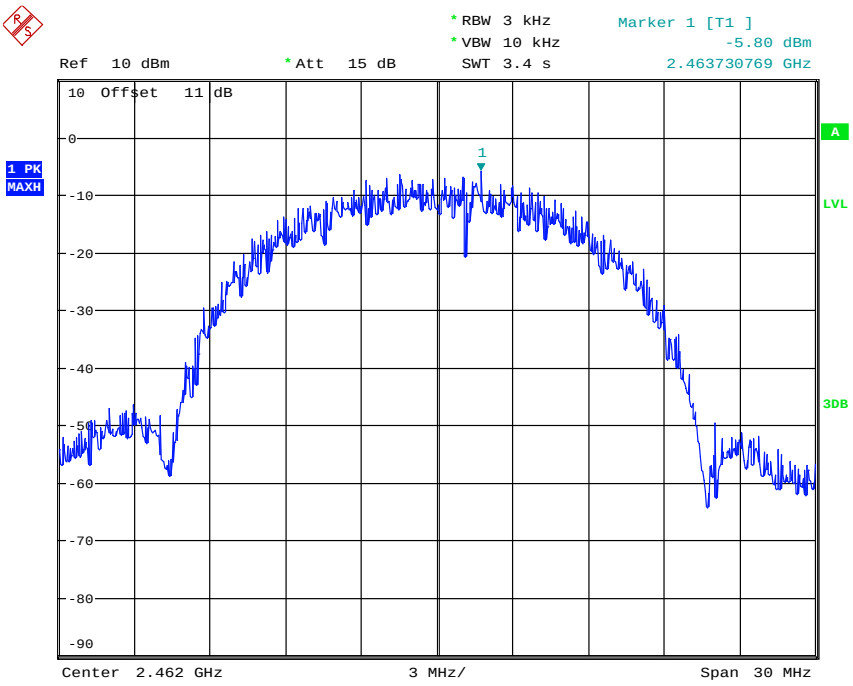


POWER DENSITY 802.11B CH1
Date: 19.FEB.2014 10:48:02



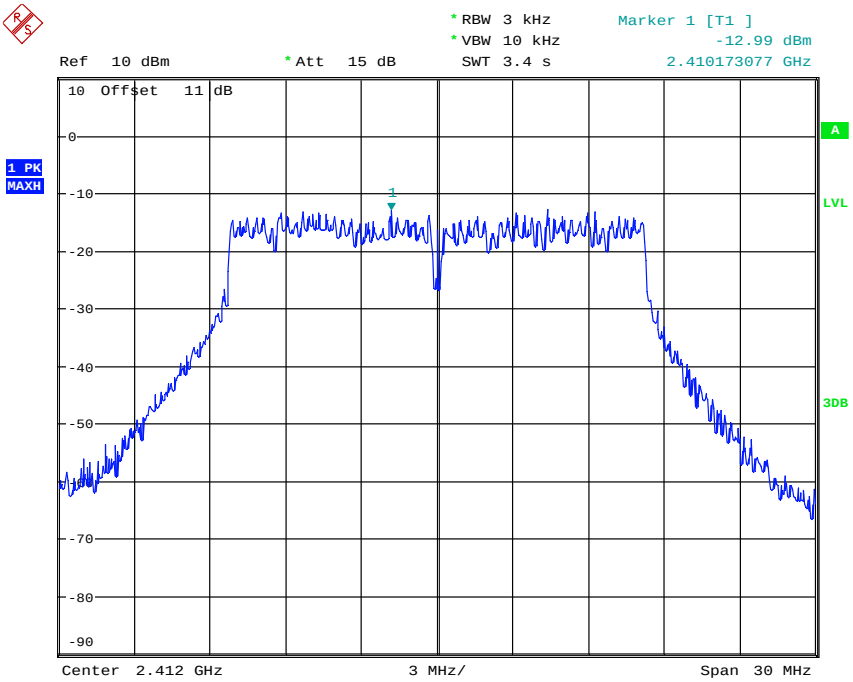
POWER DENSITY 802.11B CH6
Date: 19.FEB.2014 10:48:35

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



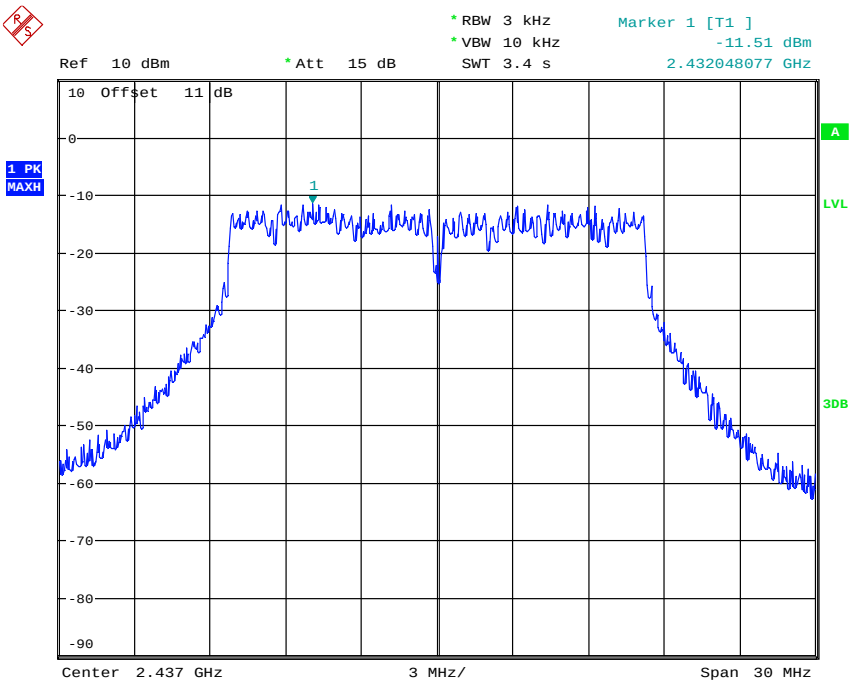
POWER DENSITY 802.11B CH11
Date: 19.FEB.2014 10:49:10

Mode F

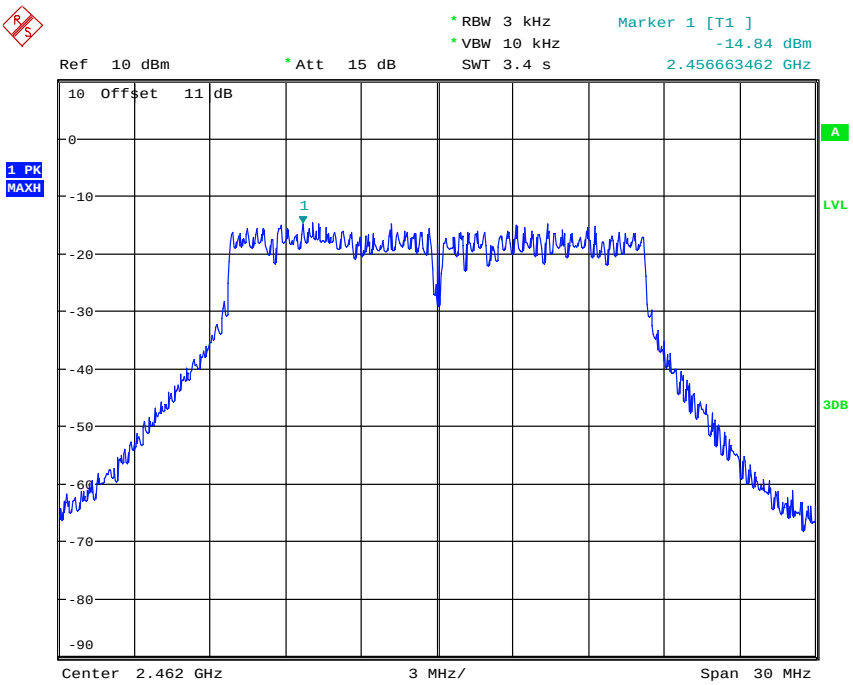


POWER DENSITY 802.11G CH1
Date: 19.FEB.2014 10:46:43

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



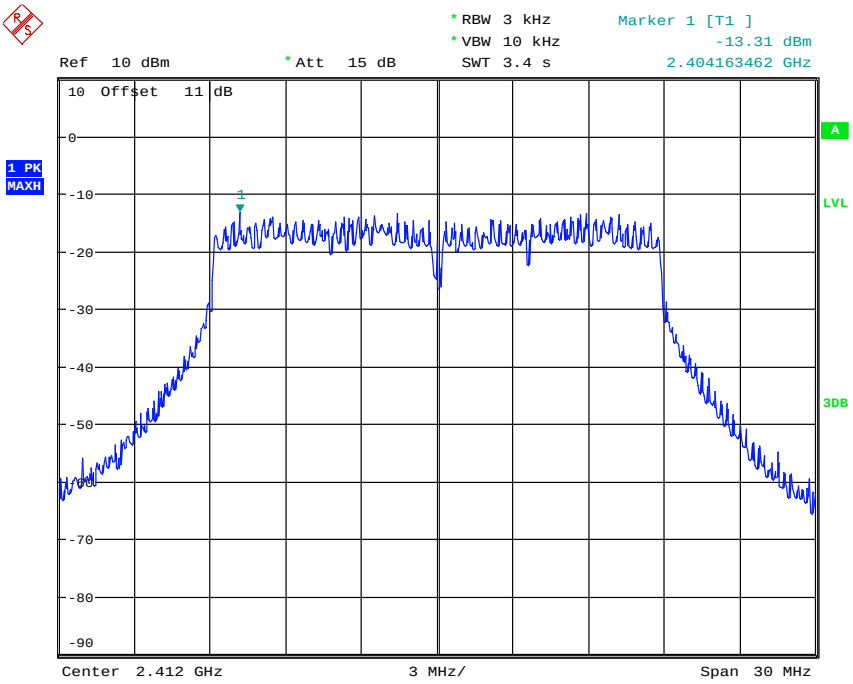
POWER DENSITY 802.11G CH6
Date: 19.FEB.2014 10:44:58



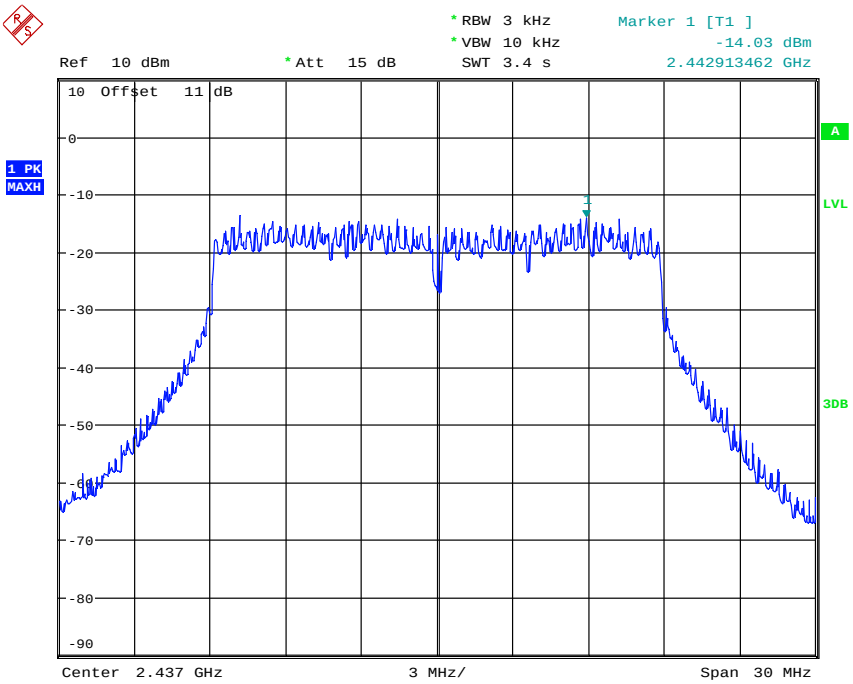
POWER DENSITY 802.11G CH11
Date: 19.FEB.2014 10:44:22

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode G

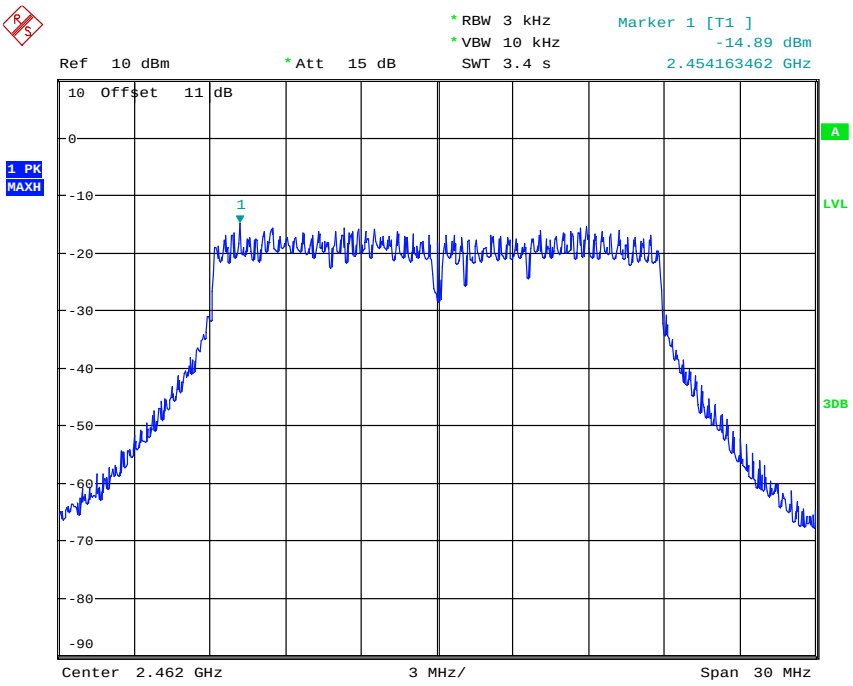


POWER DENSITY 802.11N 20MHZ CH1
Date: 19.FEB.2014 10:42:18



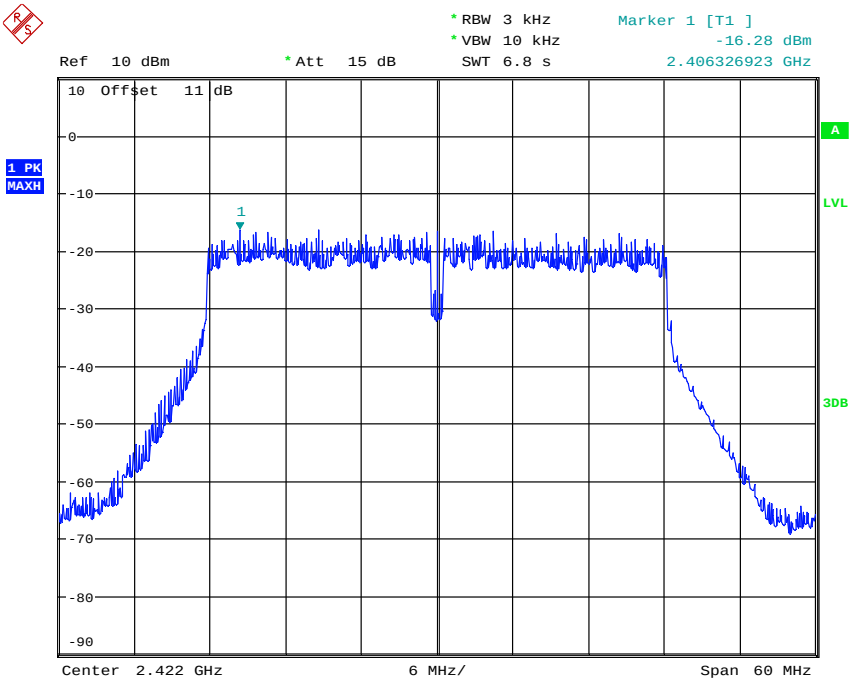
POWER DENSITY 802.11N 20MHZ CH6
Date: 19.FEB.2014 10:42:55

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



POWER DENSITY 802.11N 20MHZ CH11
Date: 19.FEB.2014 10:43:34

Mode H



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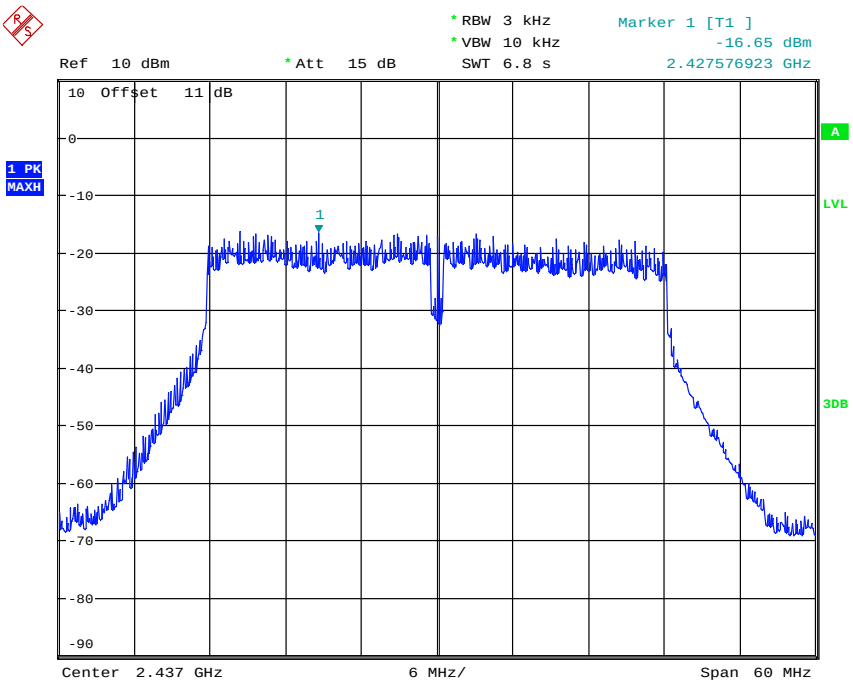
Date: 19.FEB.2014 10:41:16



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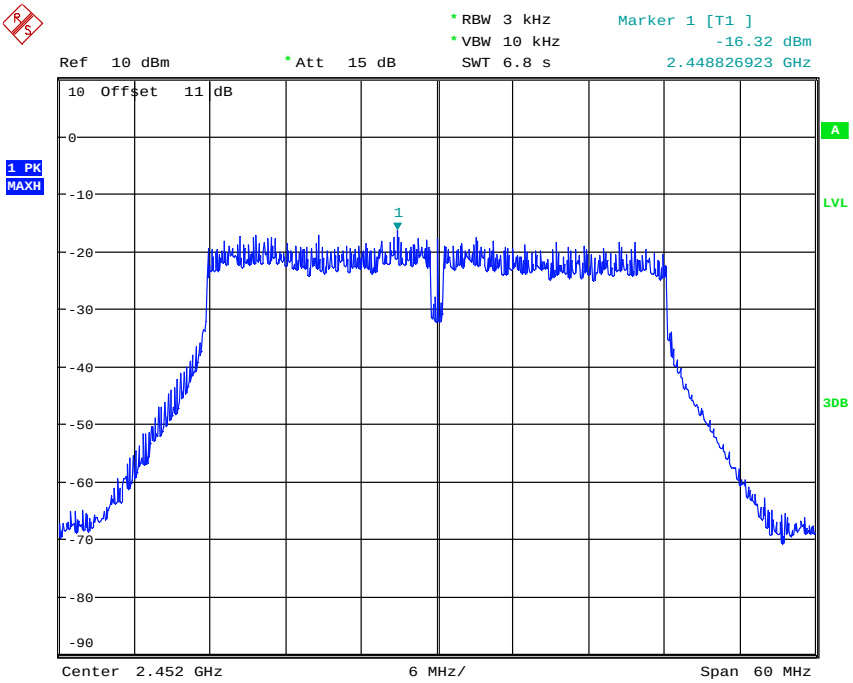
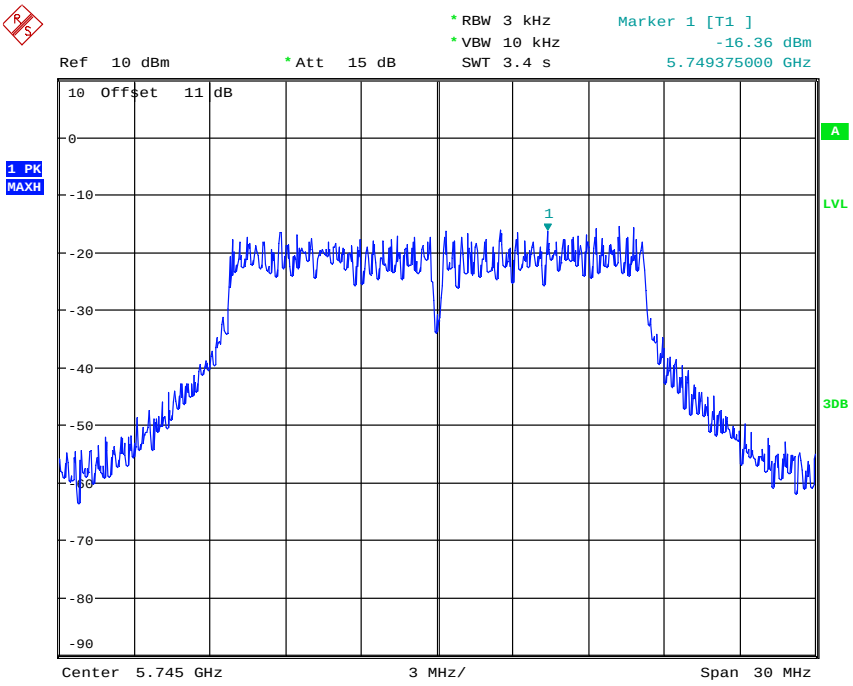


POWER DENSITY 802.11N 40MHZ CH7

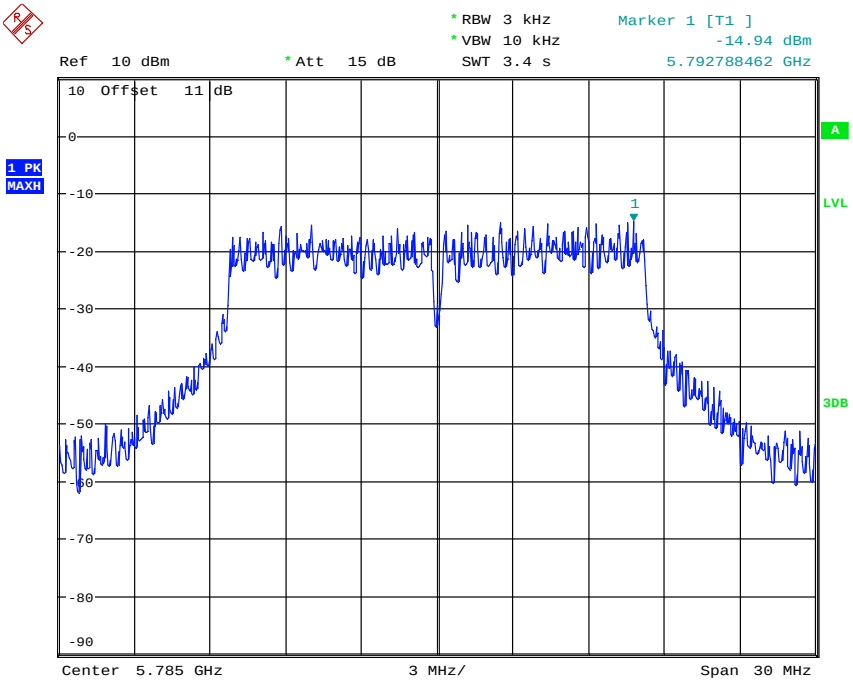
Date: 19.FEB.2014 10:40:31

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna B
Mode A



POWER DENSITY 802.11A CH149
Date: 21.FEB.2014 07:19:43



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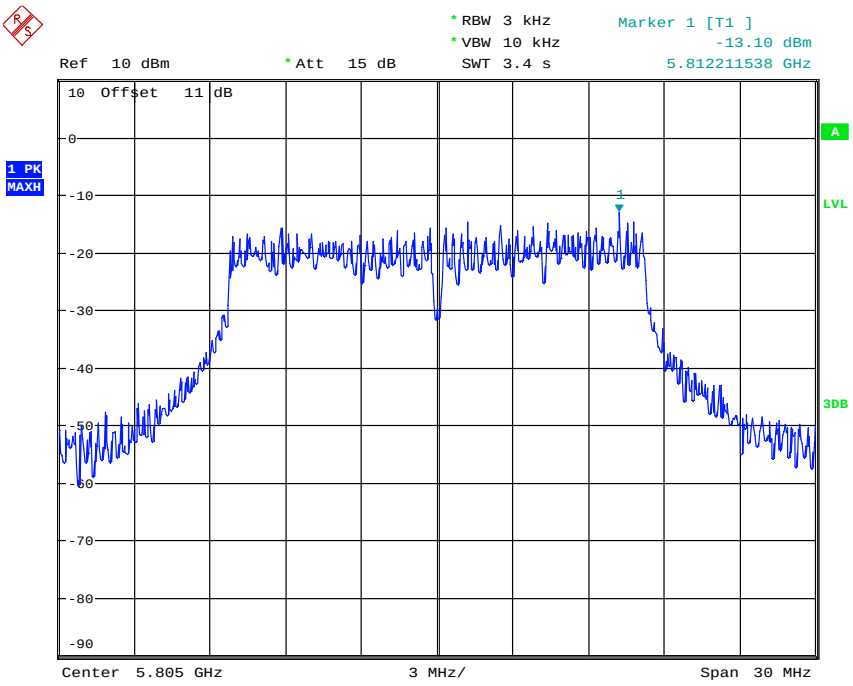
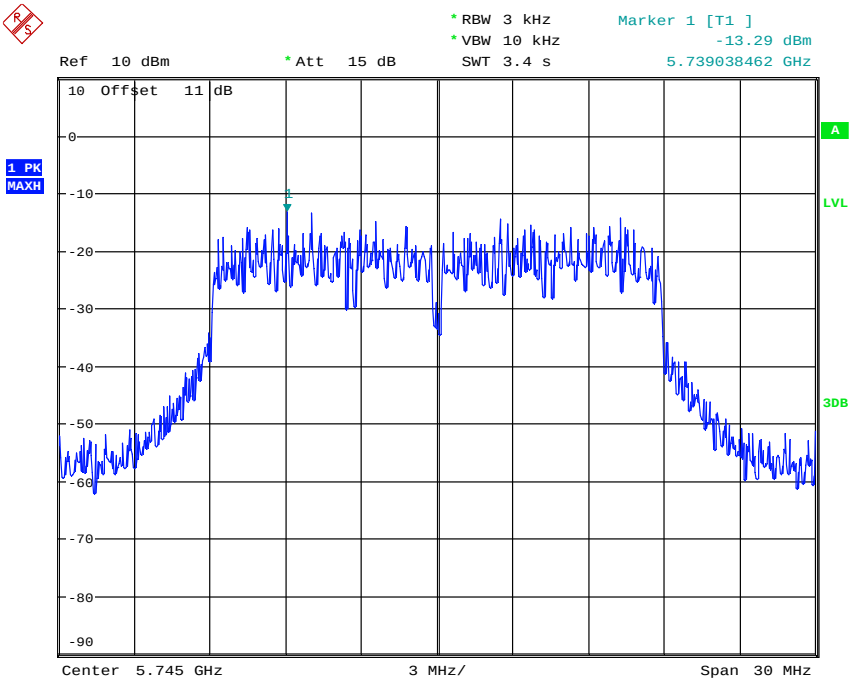
Date: 21.FEB.2014 07:20:27

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



POWER DENSITY 802.11A CH161
Date: 21.FEB.2014 07:21:13

Mode B



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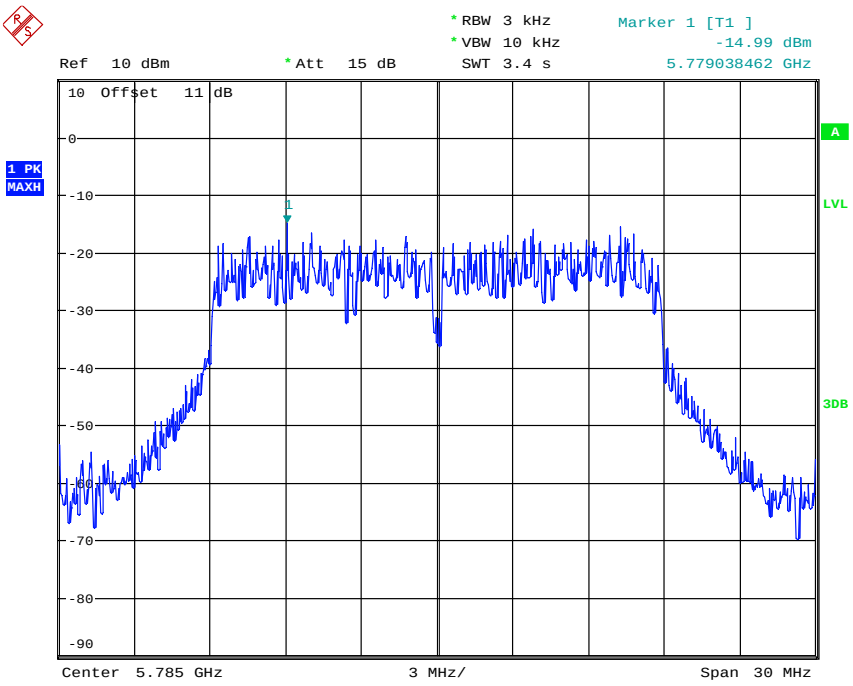
Date: 21.FEB.2014 07:27:00

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



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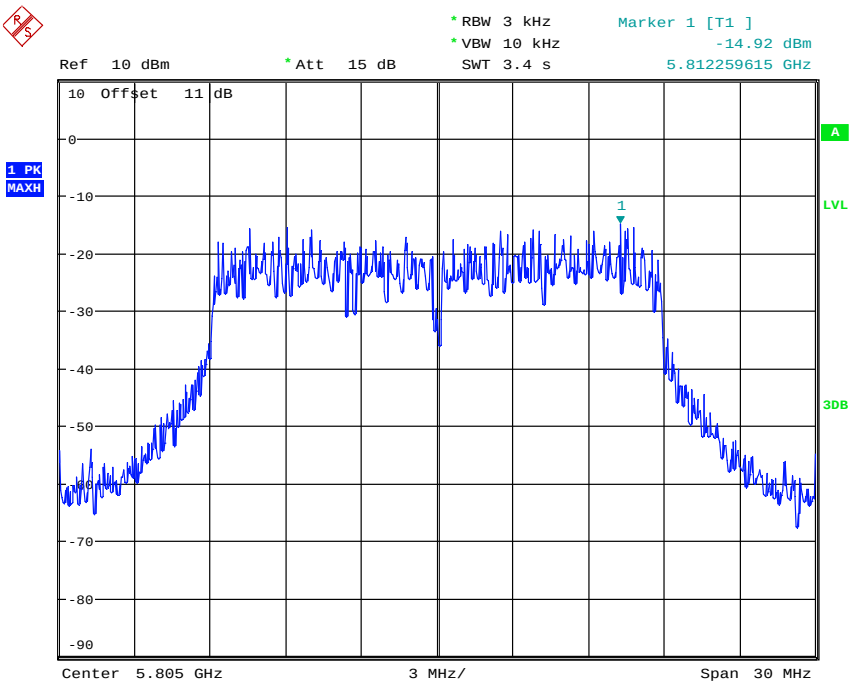

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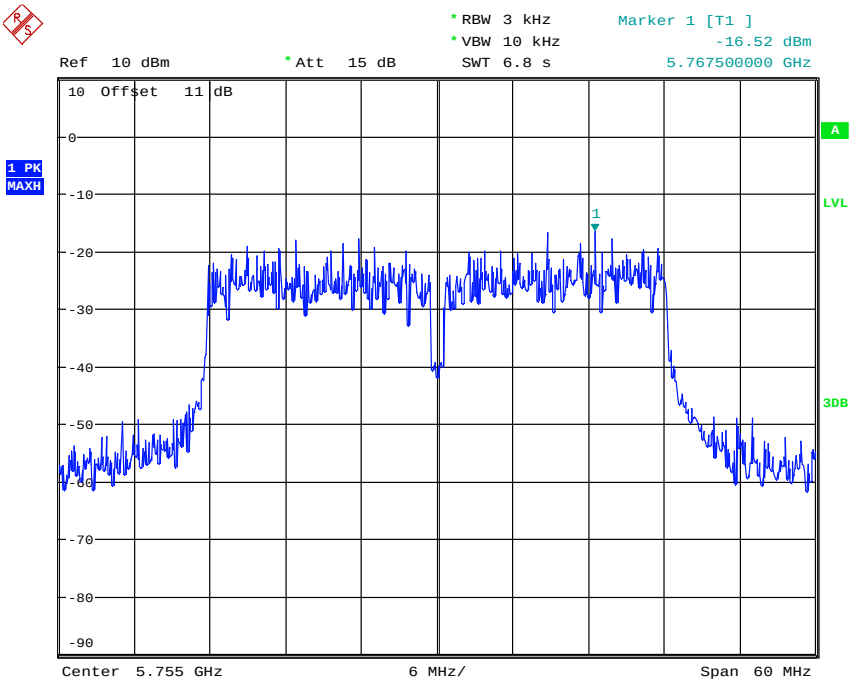
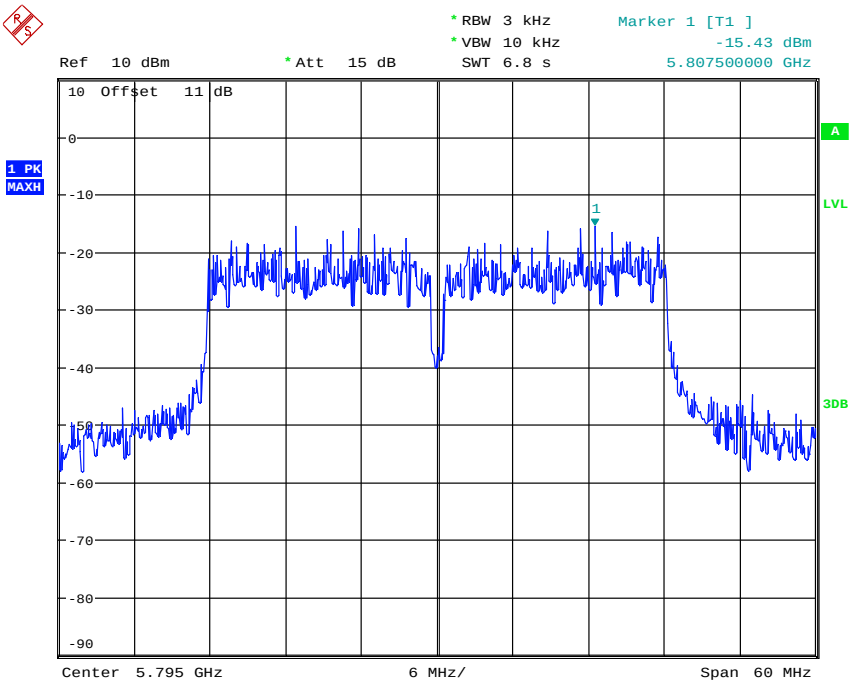
Date: 21.FEB.2014 07:24:41

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode C



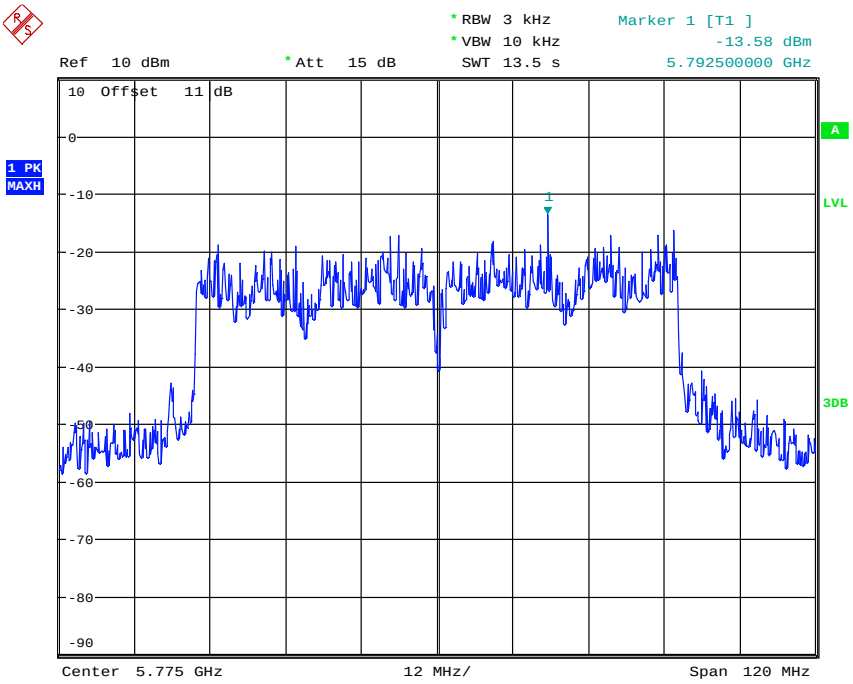
POWER DENSITY 802.11N 40MHZ CH151
Date: 21.FEB.2014 07:29:38



POWER DENSITY 802.11N 40MHZ CH159
Date: 21.FEB.2014 07:30:44

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode D



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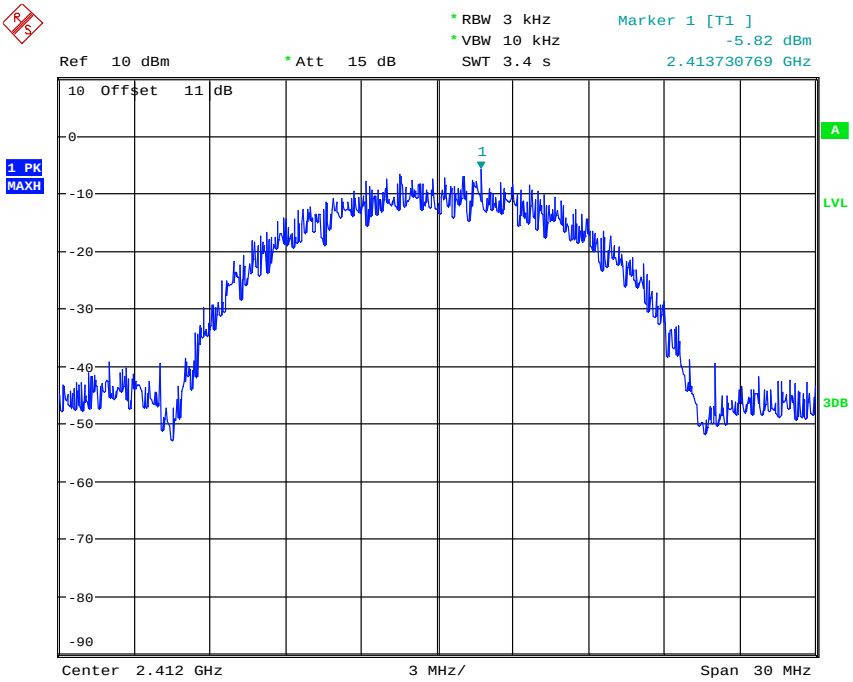
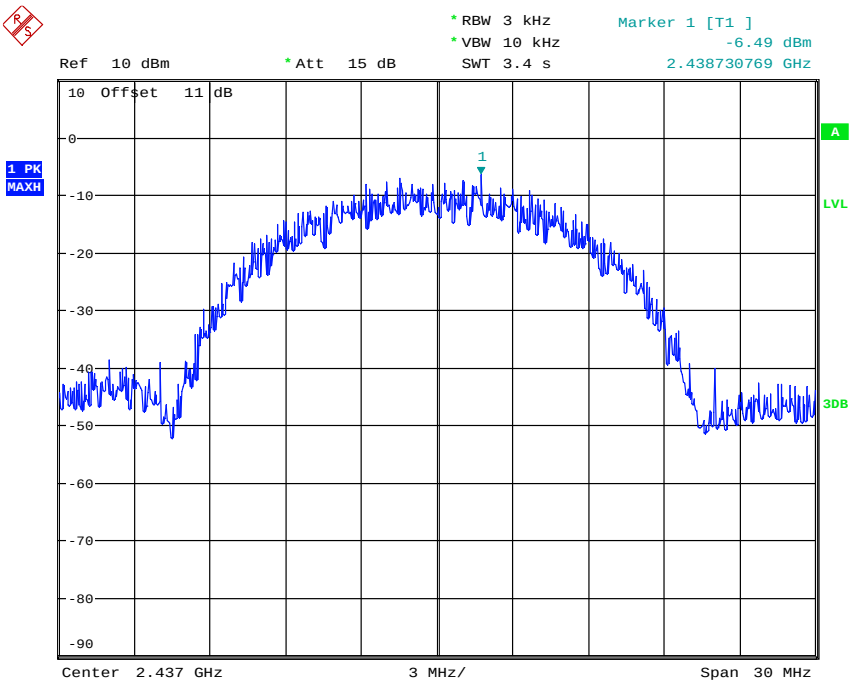
Date: 21.FEB.2014 08:45:26

Mode E



POWER DENSITY 802.11B CH1
Date: 19.FEB.2014 11:19:59

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



POWER DENSITY 802.11B CH6
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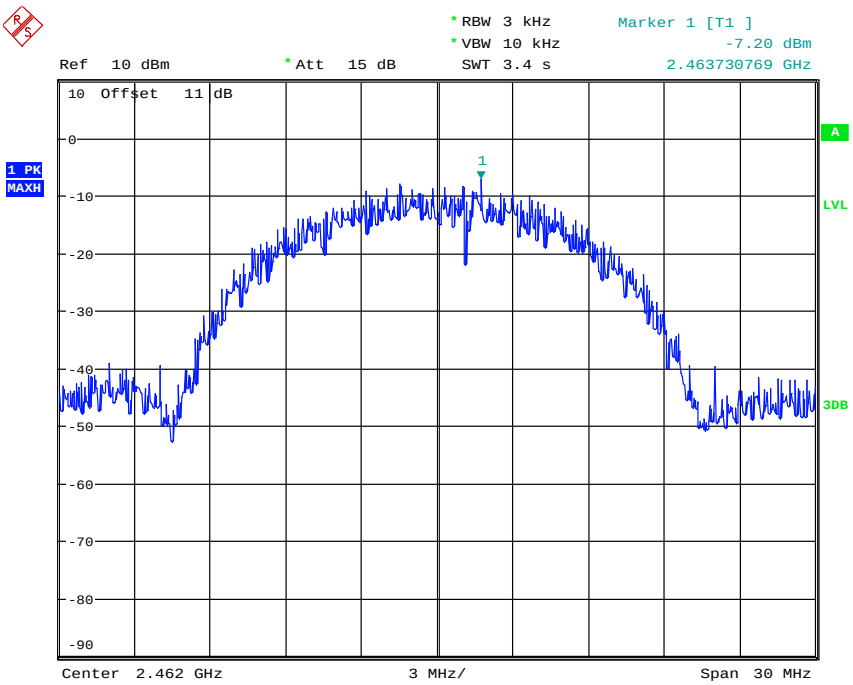
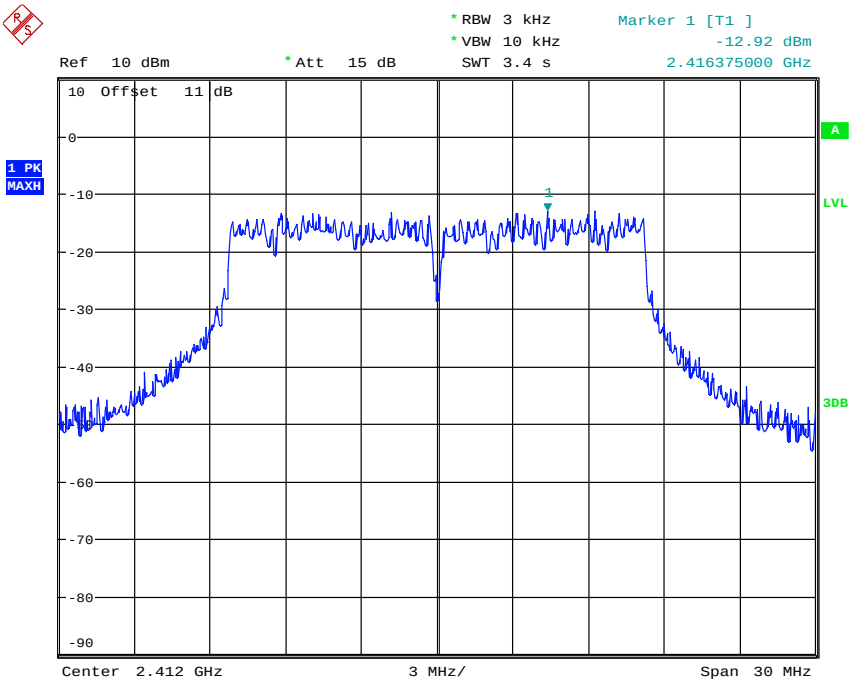


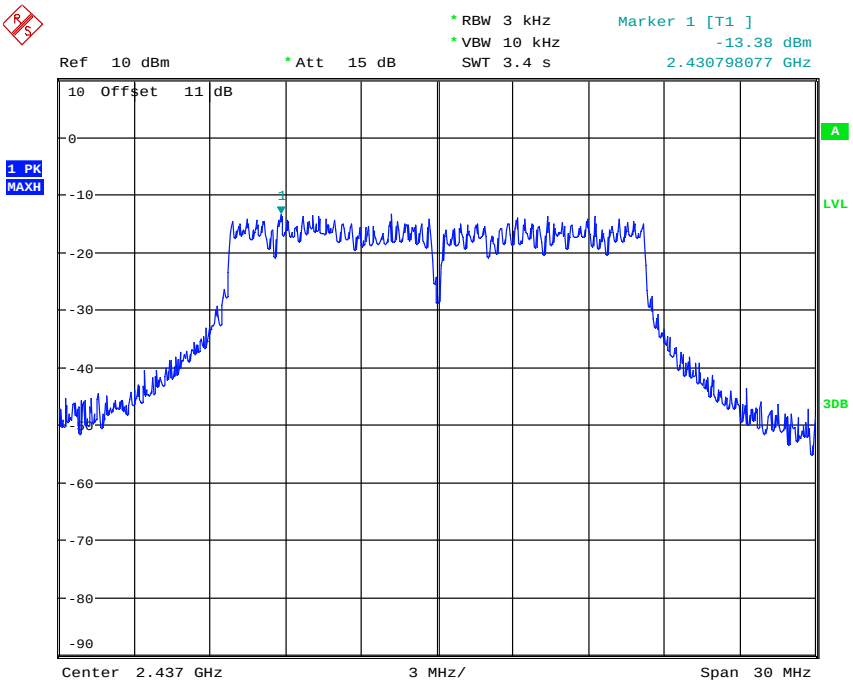
POWER DENSITY 802.11B CH11
Date: 19.FEB.2014 11:21:09

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode F



POWER DENSITY 802.11G CH1
Date: 19.FEB.2014 11:19:16



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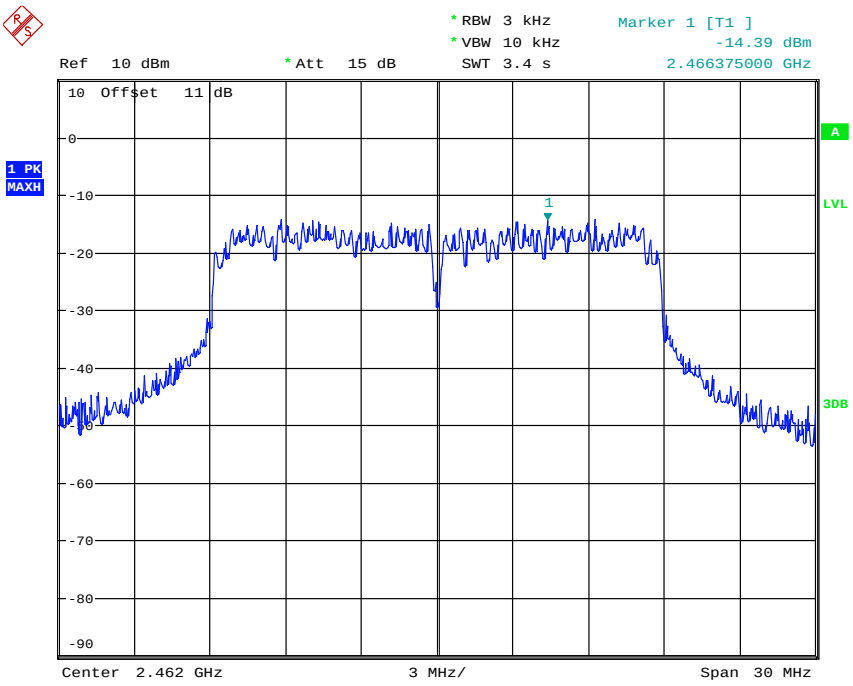
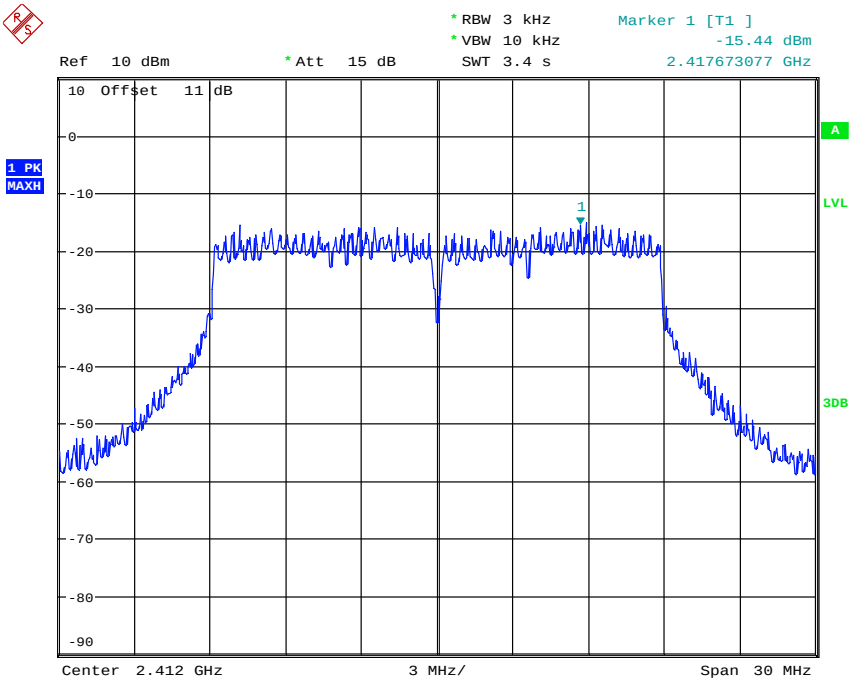
Date: 19.FEB.2014 11:18:39

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



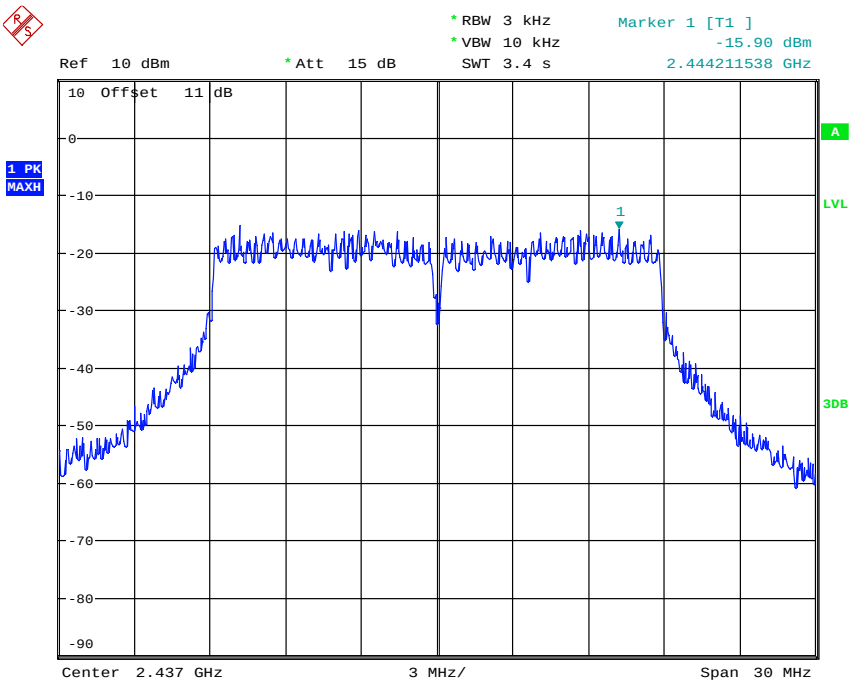
POWER DENSITY 802.11G CH11
Date: 19.FEB.2014 11:18:05

Mode G



POWER DENSITY 802.11N 20MHZ CH1
Date: 19.FEB.2014 11:16:16

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



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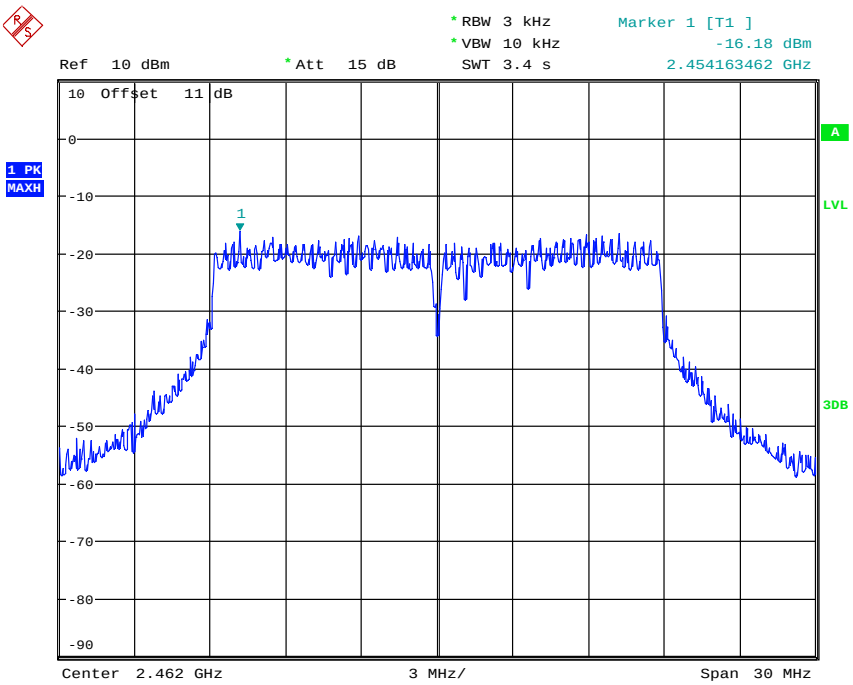

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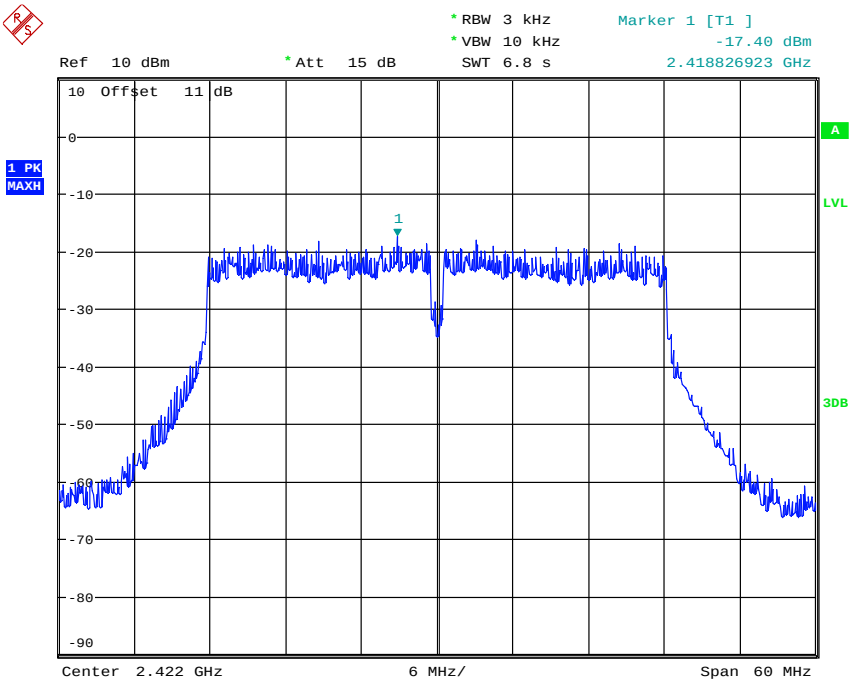
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Mode H



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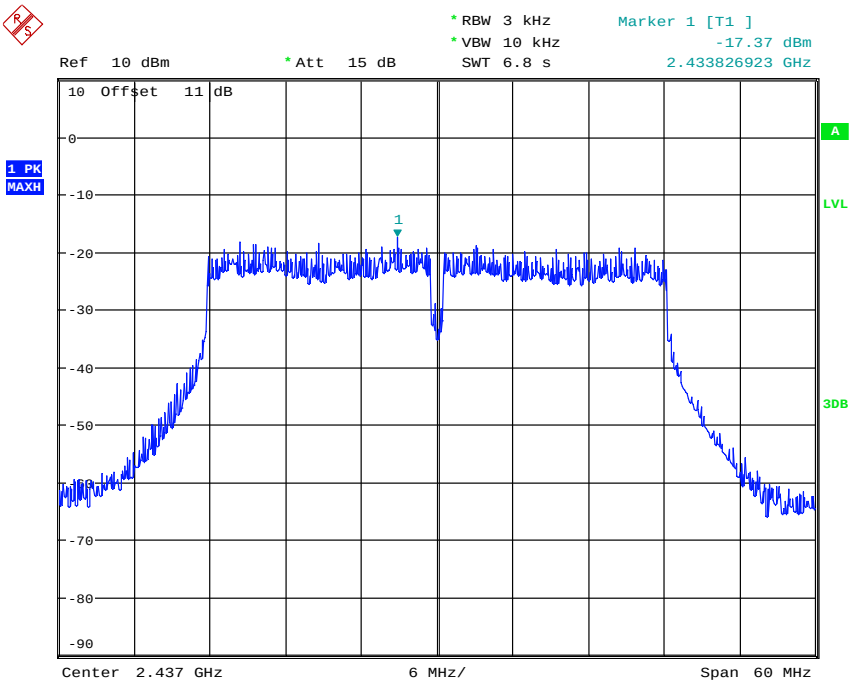

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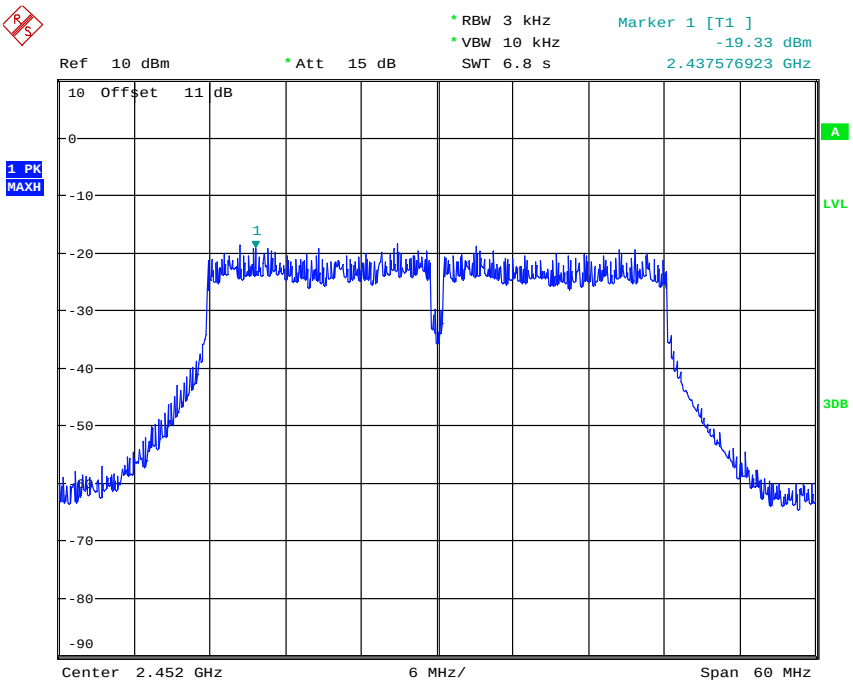
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



POWER DENSITY 802.11N 40MHZ CH7
Date: 19.FEB.2014 11:13:22

Antenna A	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz(5.8GHz)	0.027	0.034	0.028	-15.72	-14.64	-15.48
802.11n 40MHz	0.018	--	0.016	-17.52	--	-18.05
802.11ac	0.007	--	--	-21.33	--	--
802.11n 20MHz(2.4GHz)	0.047	0.032	0.040	-13.31	-14.89	-14.03
802.11n 40MHz	0.024	0.022	0.023	-16.28	-16.65	-16.32
Antenna B	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz(5.8GHz)	0.047	0.032	0.032	-13.29	-14.99	-14.92
802.11n 40MHz	0.022	--	0.029	-16.52	--	-15.43
802.11ac	0.044	--	--	-13.58	--	--
802.11n 20MHz(2.4GHz)	0.029	0.024	0.026	-15.44	-16.18	-15.9
802.11n 40MHz	0.018	0.018	0.012	-17.4	-17.37	-19.33
Combine	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz(5.8GHz)	0.074	0.066	0.060	-11.308	-11.805	-12.218
802.11n 40MHz	0.040	--	0.045	-13.979	--	-13.468
802.11ac	0.051	--	--	-12.924	--	--
802.11n 20MHz(2.4GHz)	0.076	0.056	0.066	-11.192	-12.518	-11.805
802.11n 40MHz	0.042	0.040	0.035	-13.768	-13.979	-14.559

Limits:

Frequency Range MHz	dBm
902-928	8
2400-2483.5	8
5725-5850	8

Test equipment used: ETSTW-RE 055, ETSTW-RE 050

3.9 Radiated Emission from Digital Part

FCC Rule: 15.109

Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency of Emission (MHz)	Field Strength (microvolts/meter)	Field Strength (dBmicrovolts/meter)
30 – 88	100	40.0
88 – 216	150	43.5
216 – 960	200	46.0
Above 960	500	54.0

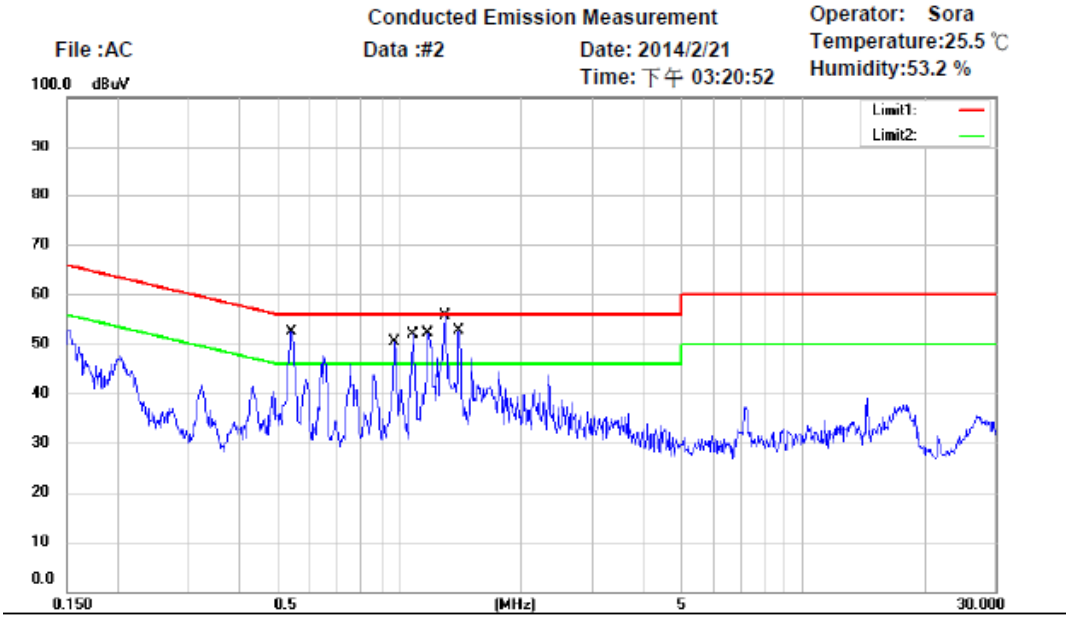
Test equipment used: ETSTW-RE 055, ETSTW-RE 064, ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 111

Explanation: The test results are listed in the separated test report no.: W6M21401-13806-P-15B.

3.9 Power Line Conducted Emission

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

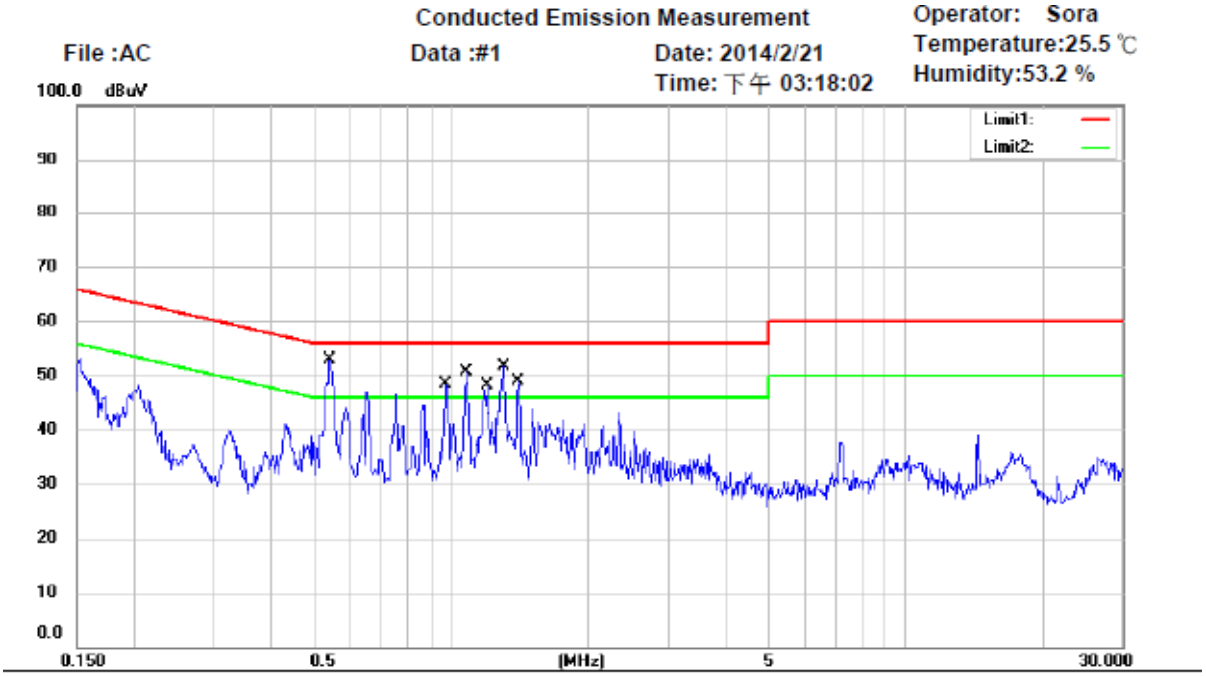
This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.



Site : Chamber_03
Condition : FCC Part 15 Class B Conduction (QP)
Phase: N
EUT : W6M21401-13806
Power : 120 Vac
M/N: PCI20E
Test Mode : WIFI
Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.5396	41.45	QP	9.67	51.12	56.00	-4.88	
	0.5396	24.14	AVG	9.67	33.81	46.00	-12.19	
	0.9700	37.35	QP	9.69	47.04	56.00	-8.96	
	0.9700	22.36	AVG	9.69	32.05	46.00	-13.95	
	1.0785	39.69	QP	9.69	49.38	56.00	-6.62	
	1.0785	24.46	AVG	9.69	34.15	46.00	-11.85	
	1.1865	38.35	QP	9.69	48.04	56.00	-7.96	
	1.1865	23.57	AVG	9.69	33.26	46.00	-12.74	
*	1.2942	42.03	QP	9.70	51.73	56.00	-4.27	
	1.2942	25.80	AVG	9.70	35.50	46.00	-10.50	
	1.4027	40.99	QP	9.70	50.69	56.00	-5.31	
	1.4027	24.14	AVG	9.70	33.84	46.00	-12.16	

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



Site : Chamber_03
Condition : FCC Part 15 Class B Conduction (QP)
Phase: L1
EUT : W6M21401-13806
Power : 120 Vac
M/N: PCI20E
Test Mode : WIFI
Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.5385	41.27	QP	9.66	50.93	56.00	-5.07	
	0.5385	25.19	AVG	9.66	34.85	46.00	-11.15	
	0.9705	36.60	QP	9.69	46.29	56.00	-9.71	
	0.9705	24.27	AVG	9.69	33.96	46.00	-12.04	
	1.0781	38.07	QP	9.69	47.76	56.00	-8.24	
	1.0781	23.79	AVG	9.69	33.48	46.00	-12.52	
	1.1845	34.39	QP	9.69	44.08	56.00	-11.92	
	1.1845	20.01	AVG	9.69	29.70	46.00	-16.30	
	1.2956	39.46	QP	9.70	49.16	56.00	-6.84	
	1.2956	23.08	AVG	9.70	32.78	46.00	-13.22	
	1.4021	38.11	QP	9.70	47.81	56.00	-8.19	
	1.4021	22.51	AVG	9.70	32.21	46.00	-13.79	

Note: 1. The formula of measured value as: Test Result = Reading + Correction Factor
2. The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss
3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average
4. All not in the table noted test results are more than 20 dB below the relevant limits.
5. Measurement uncertainty = ±1.41 dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
6. Up Line: QP Limit Line, Down Line: Ave Limit Line.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Limits:

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi Peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Test equipment used:ETSTW-CE 001, ETSTW-CE 016, ETSTW-RE 045

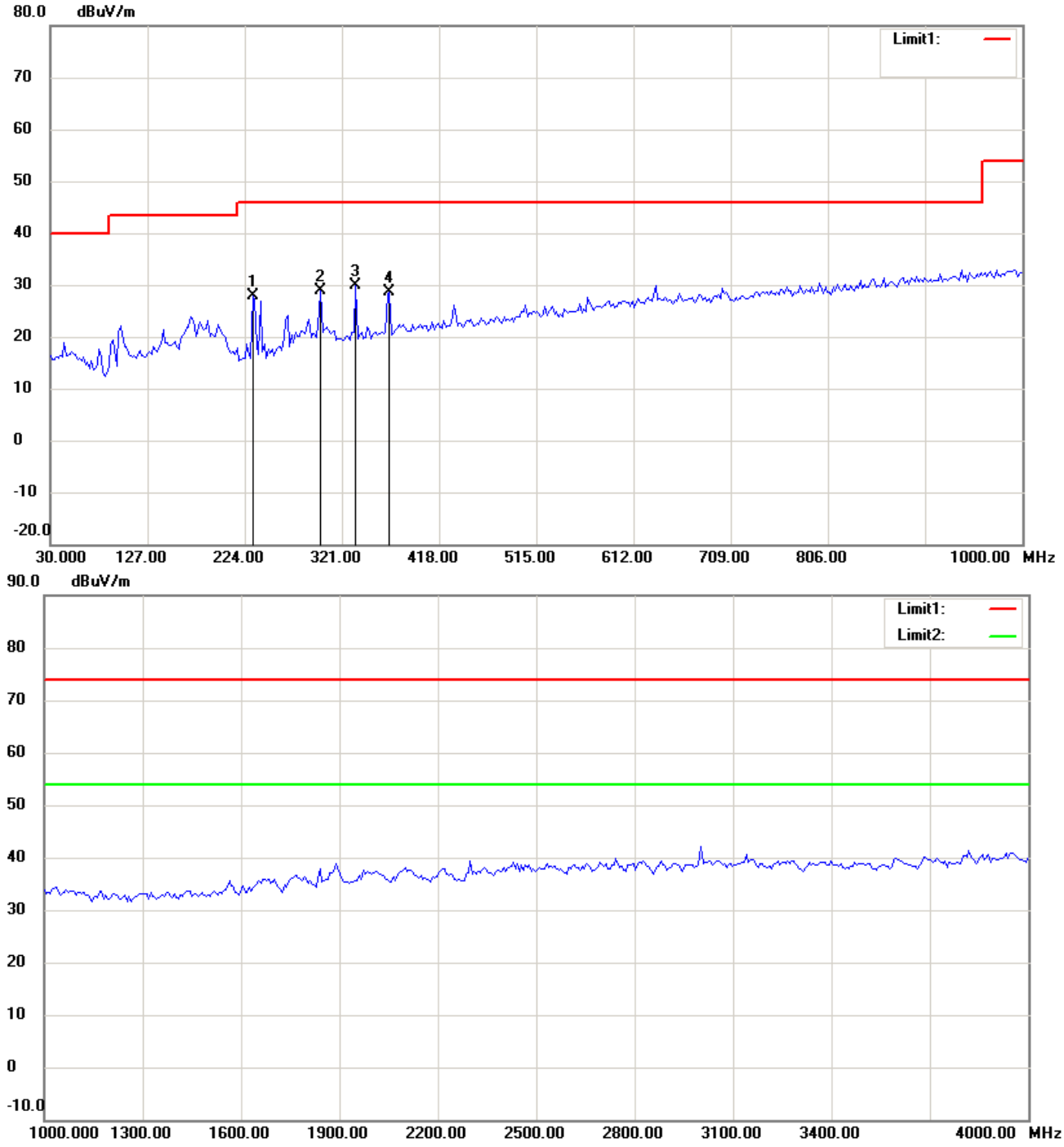
Appendix

Measurement diagrams

Spurious Emissions radiated

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

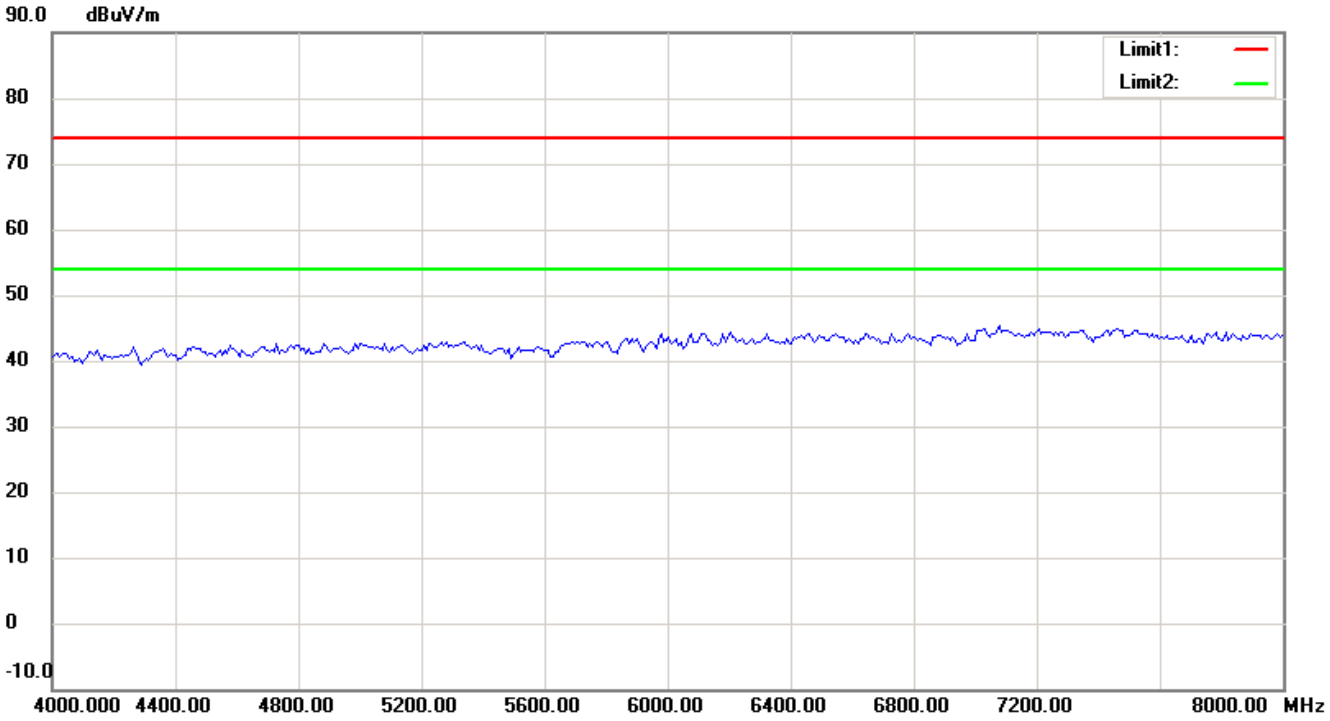
Radiated Emission-Transmitter
Antenna A
802.11a 5745MHz
Antenna Polarization H

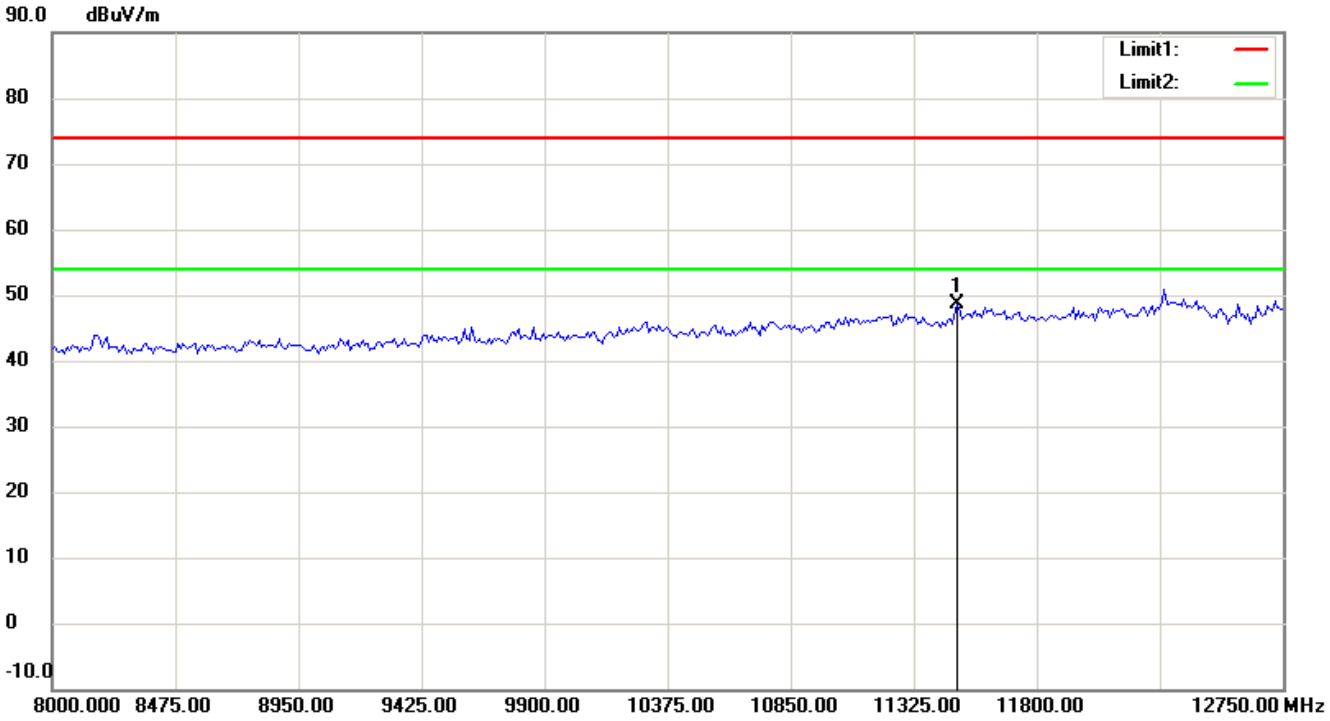


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

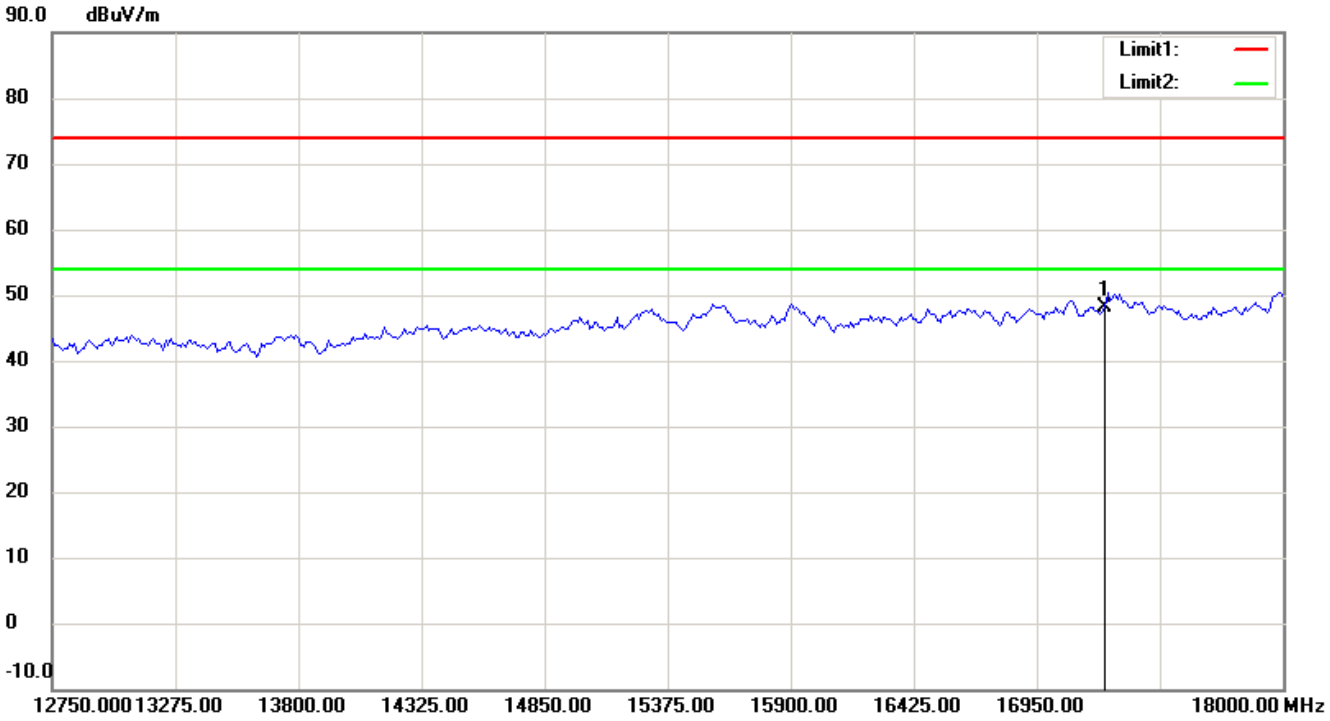


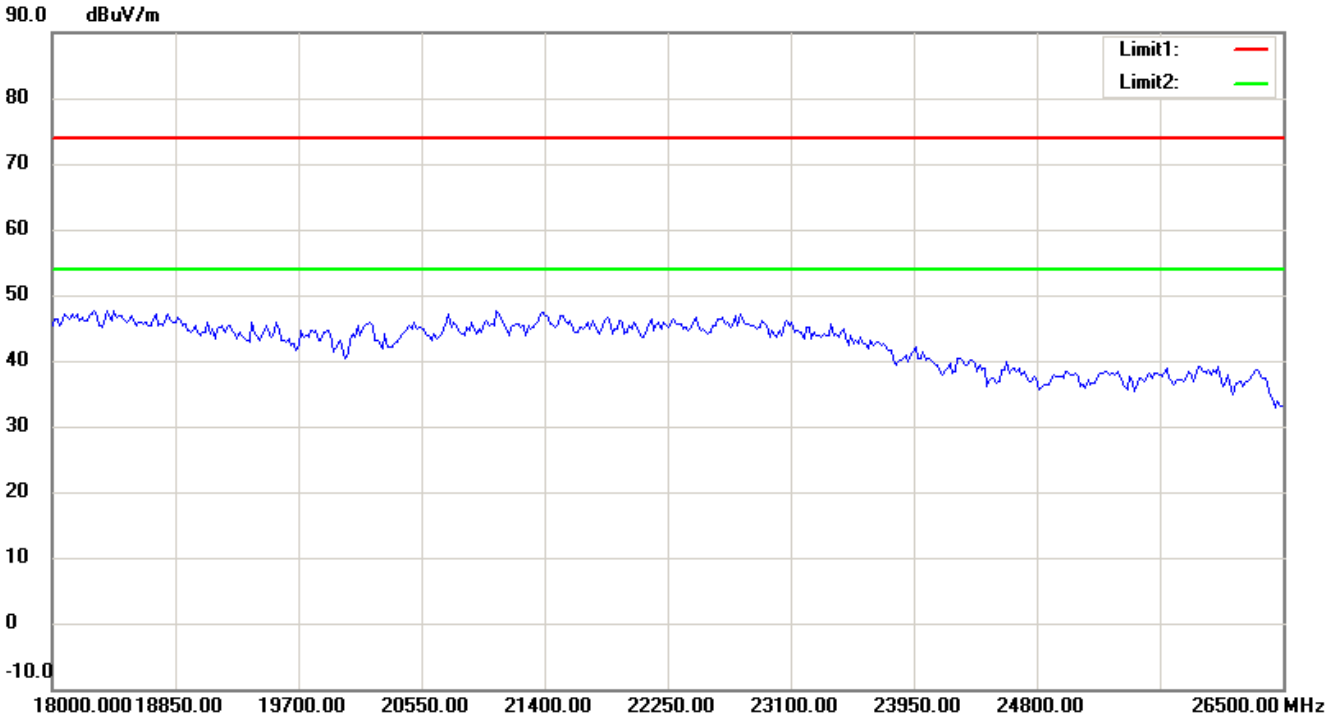


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

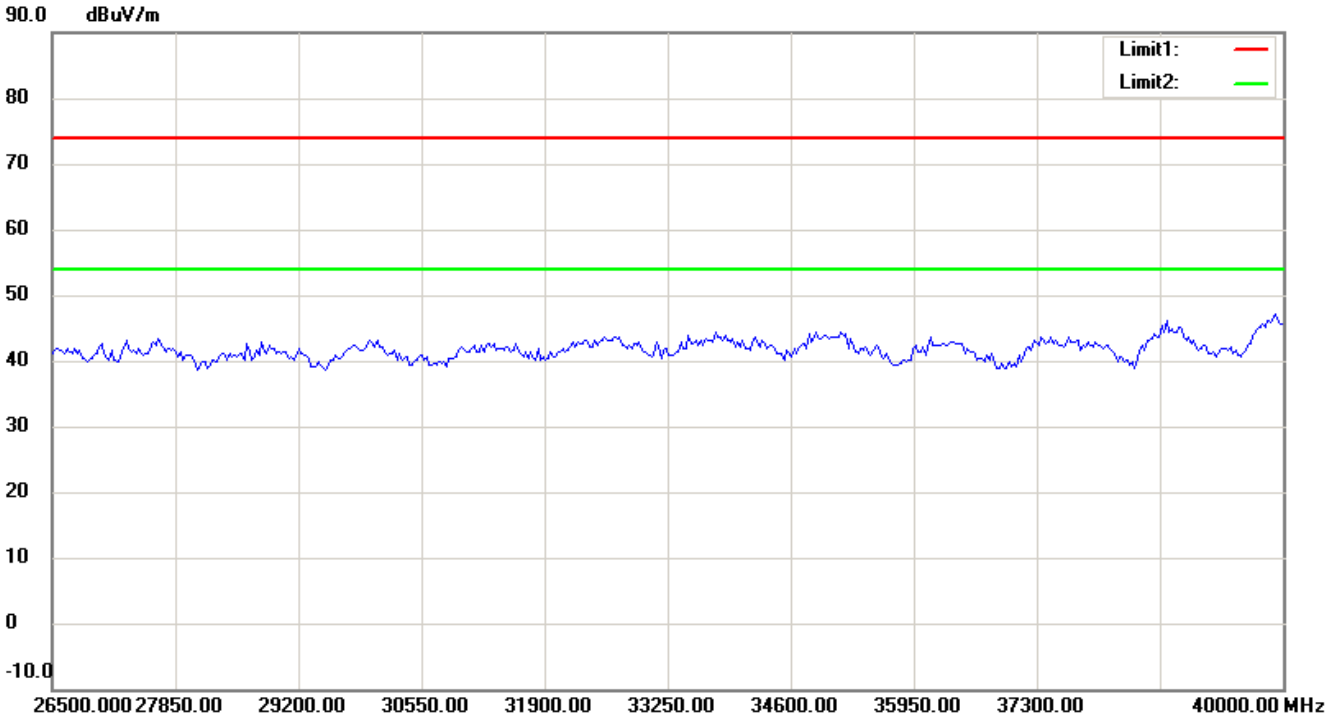




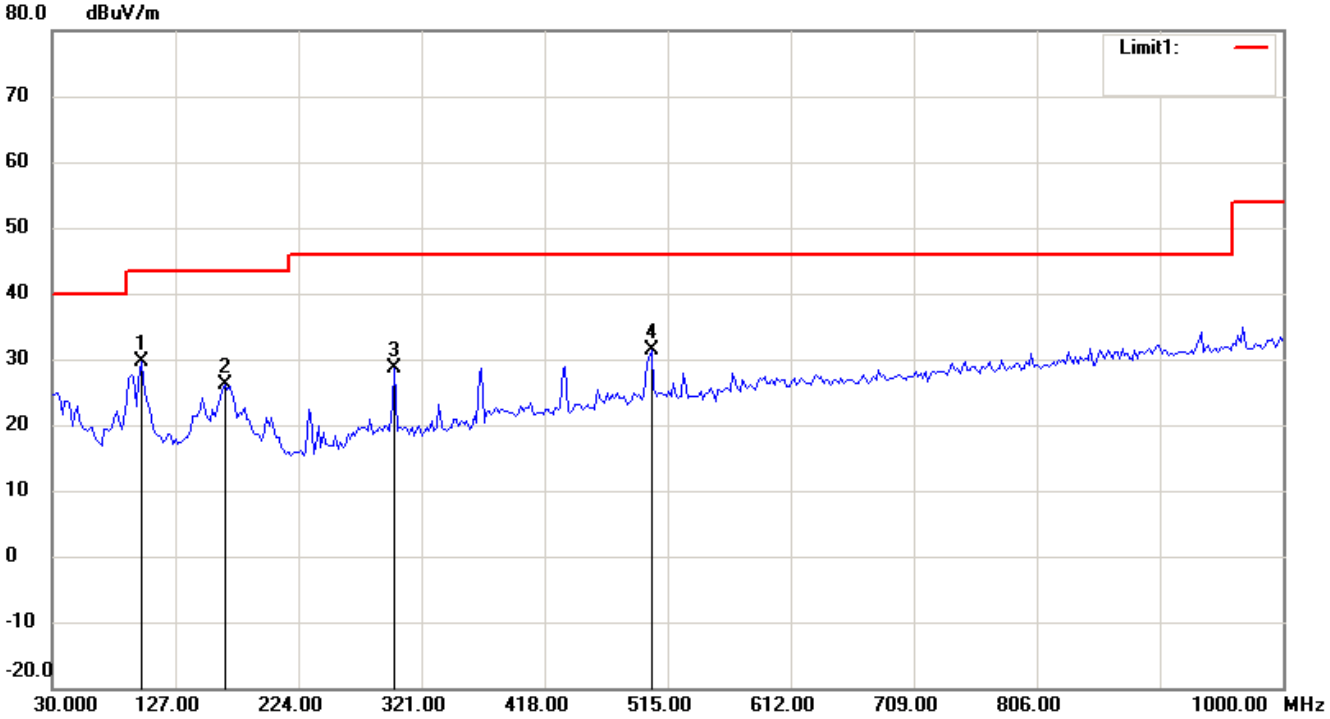
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



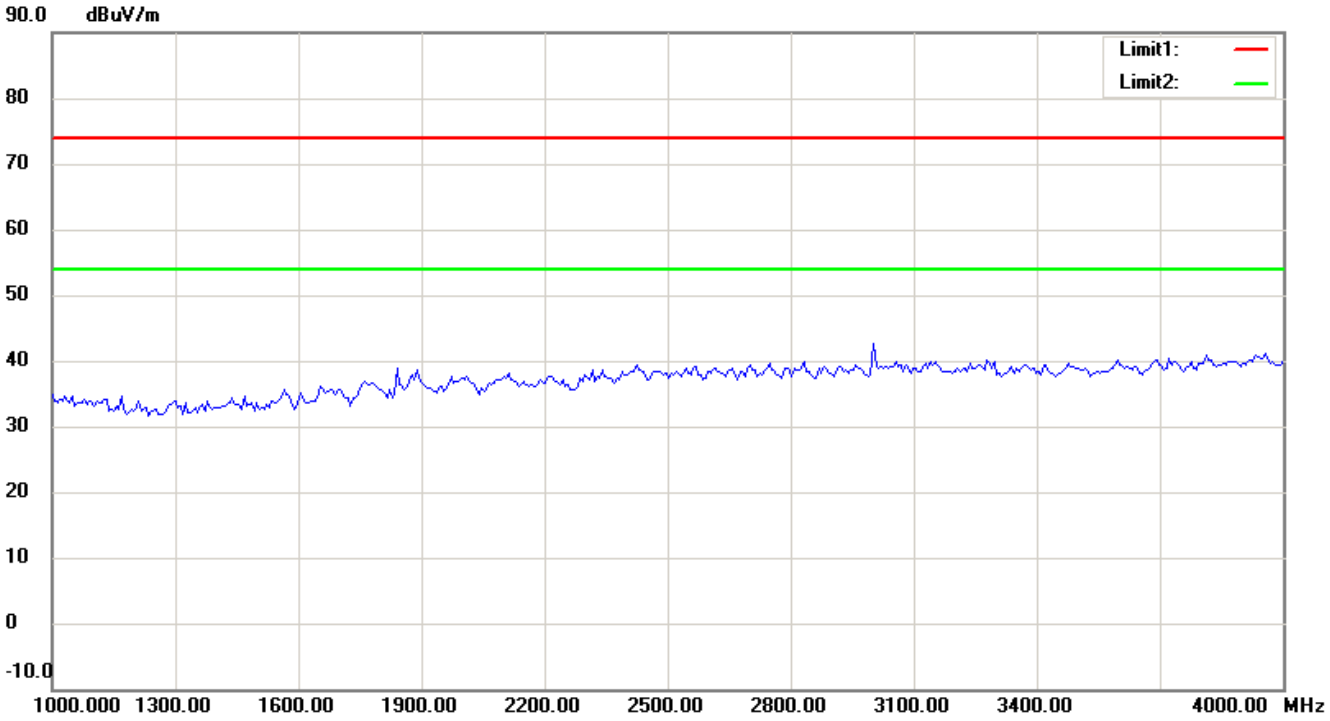
Antenna Polarization V

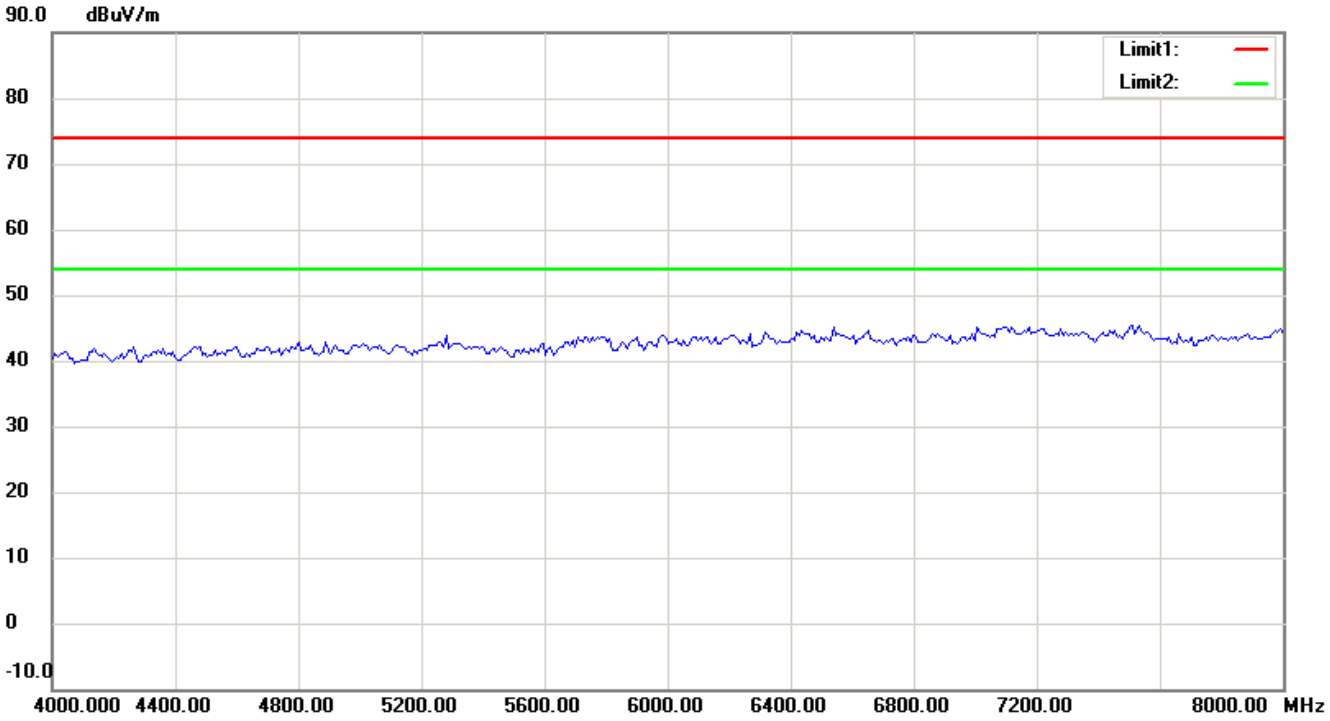


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





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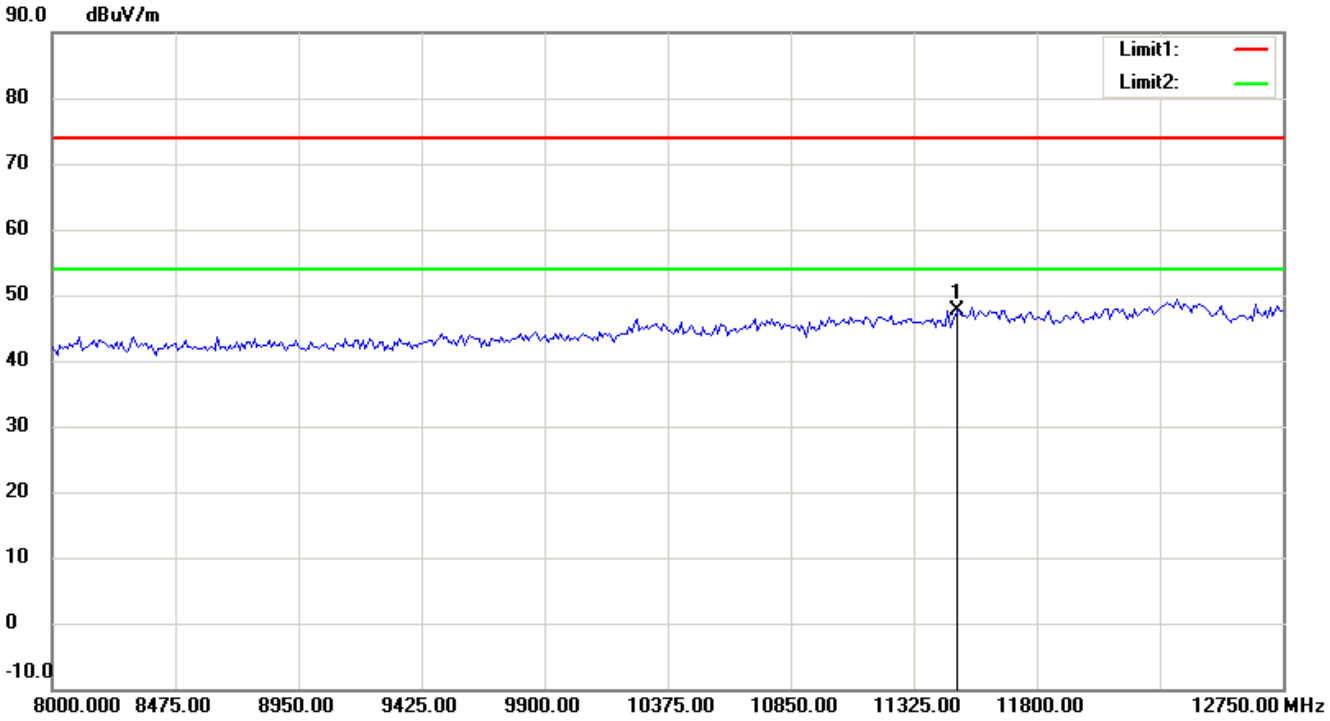
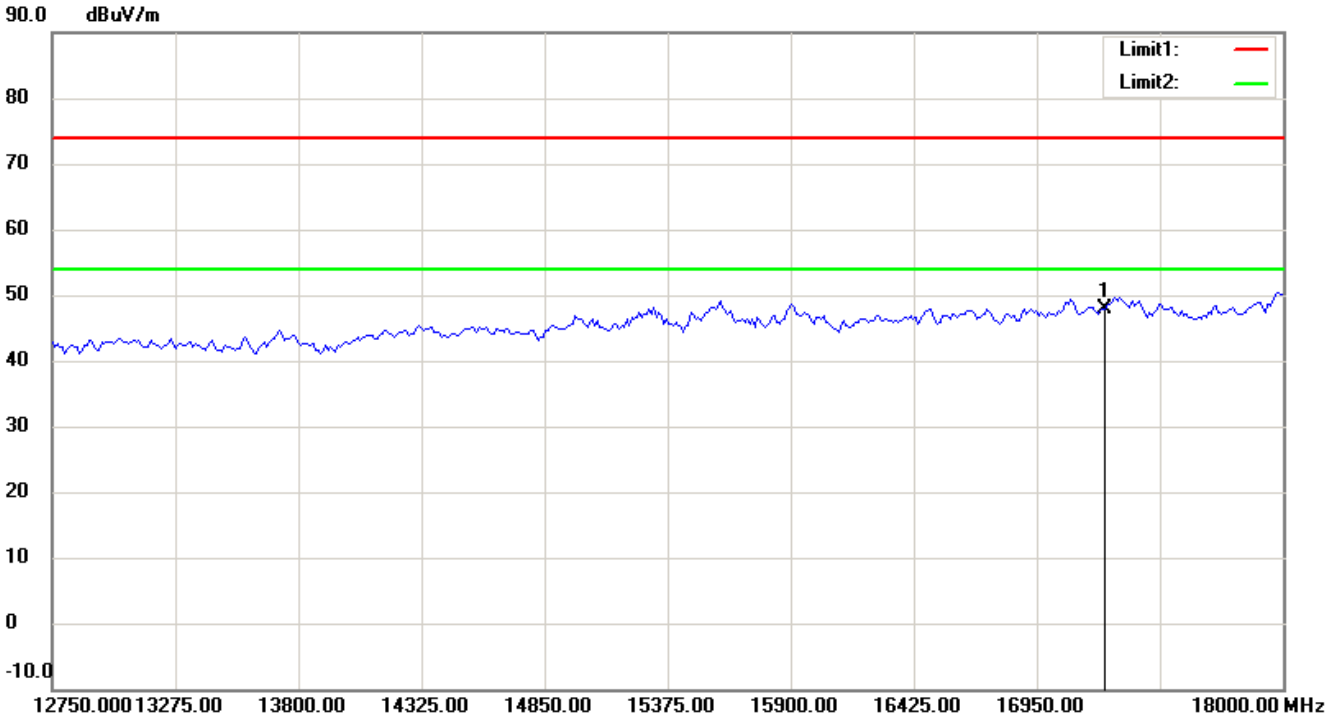
FCC ID: ZTT-PCI20E





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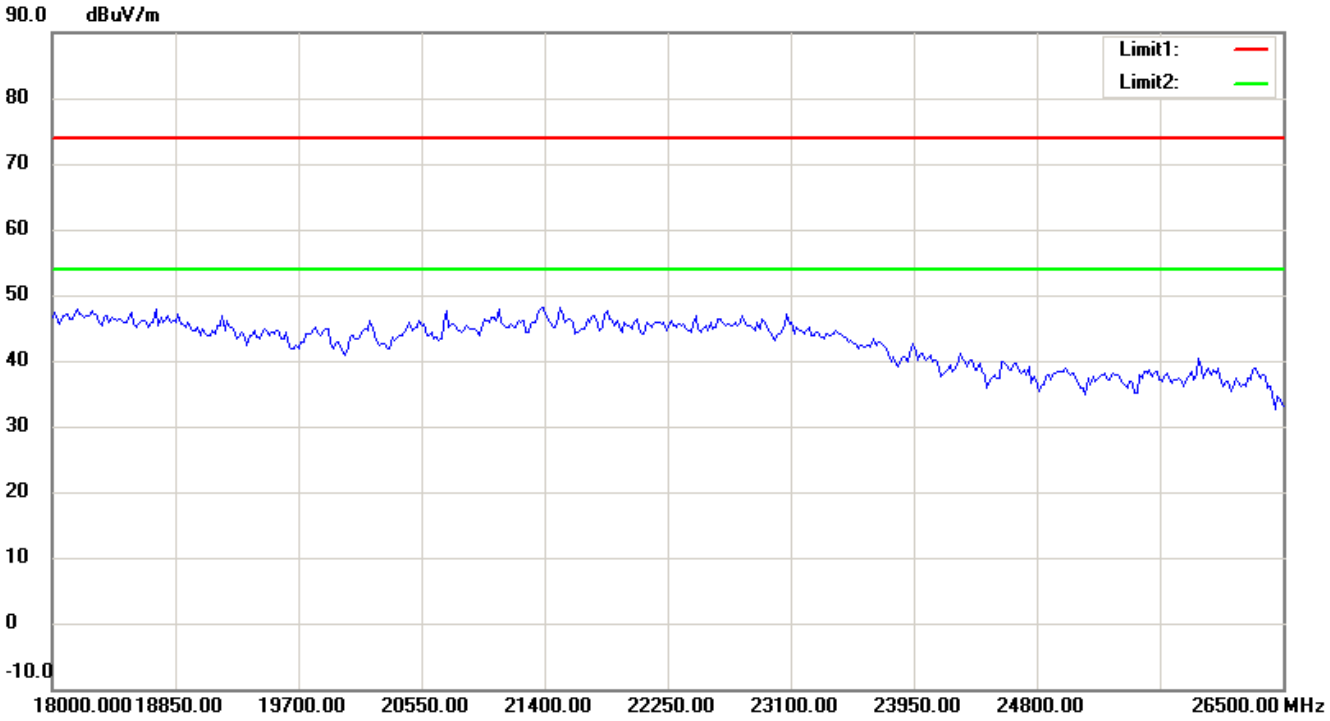
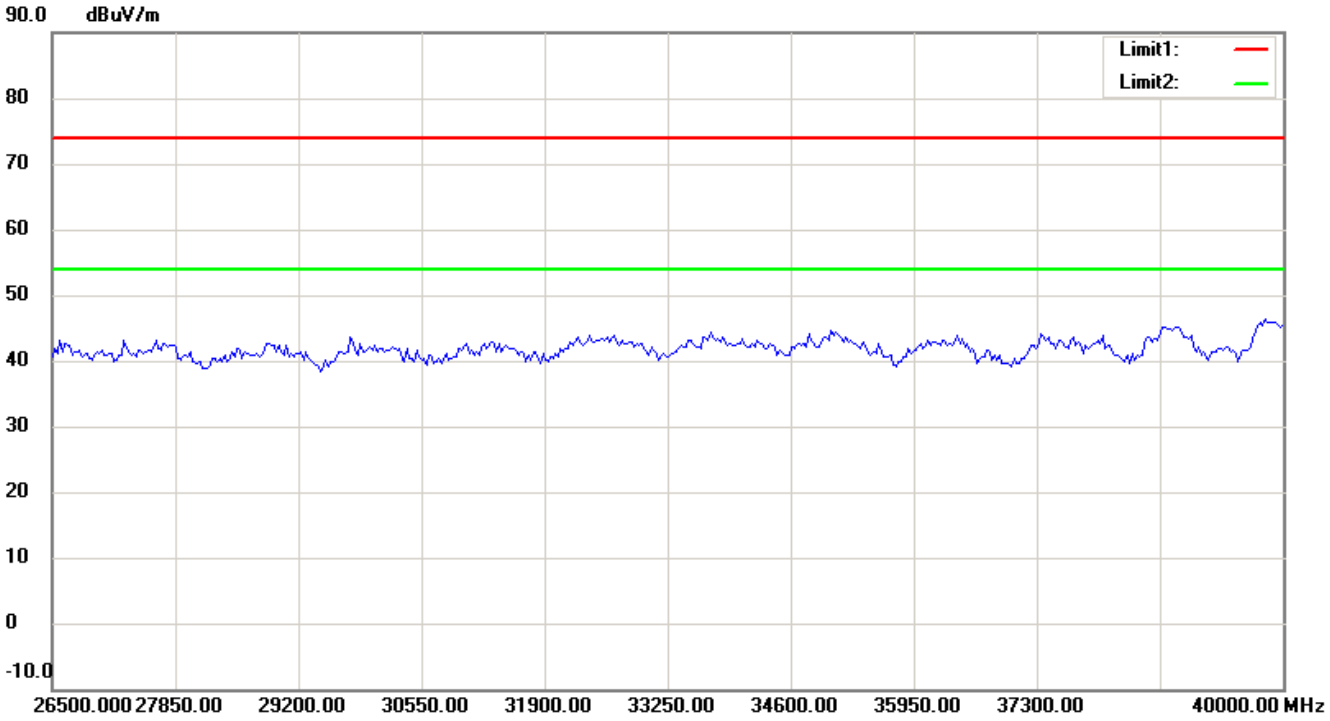
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
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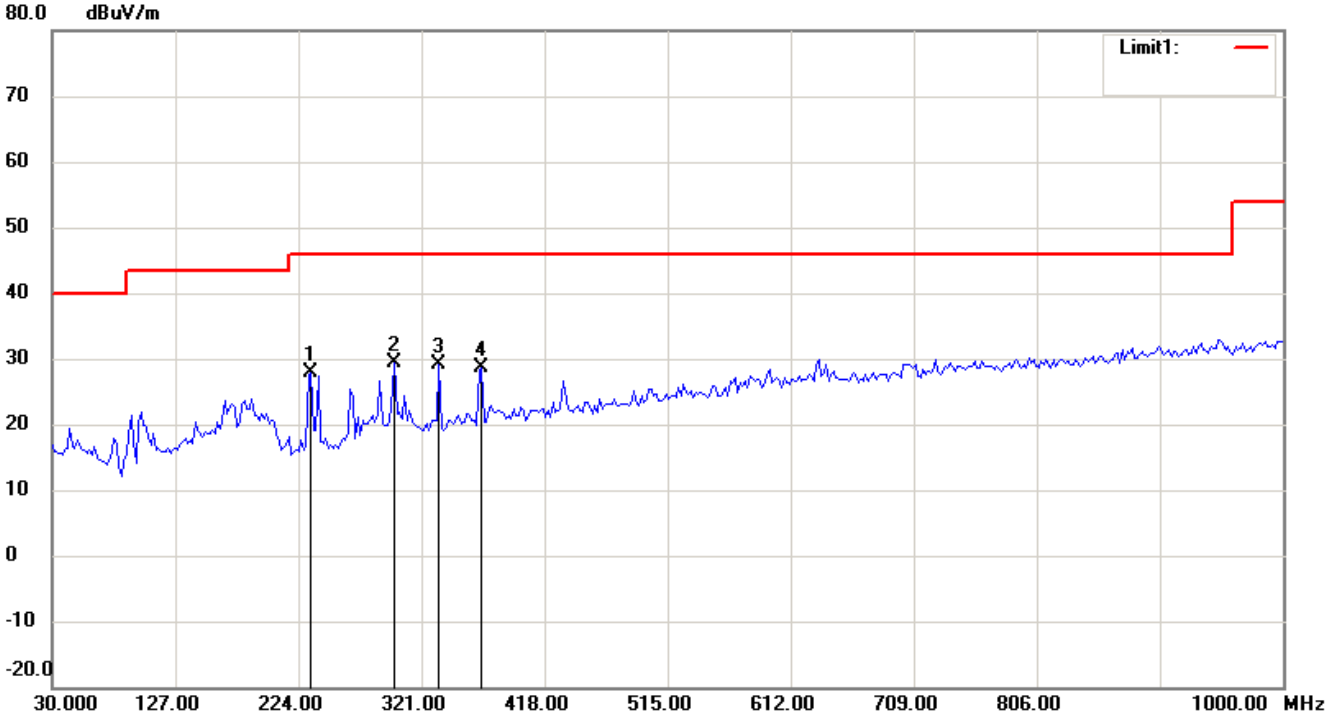
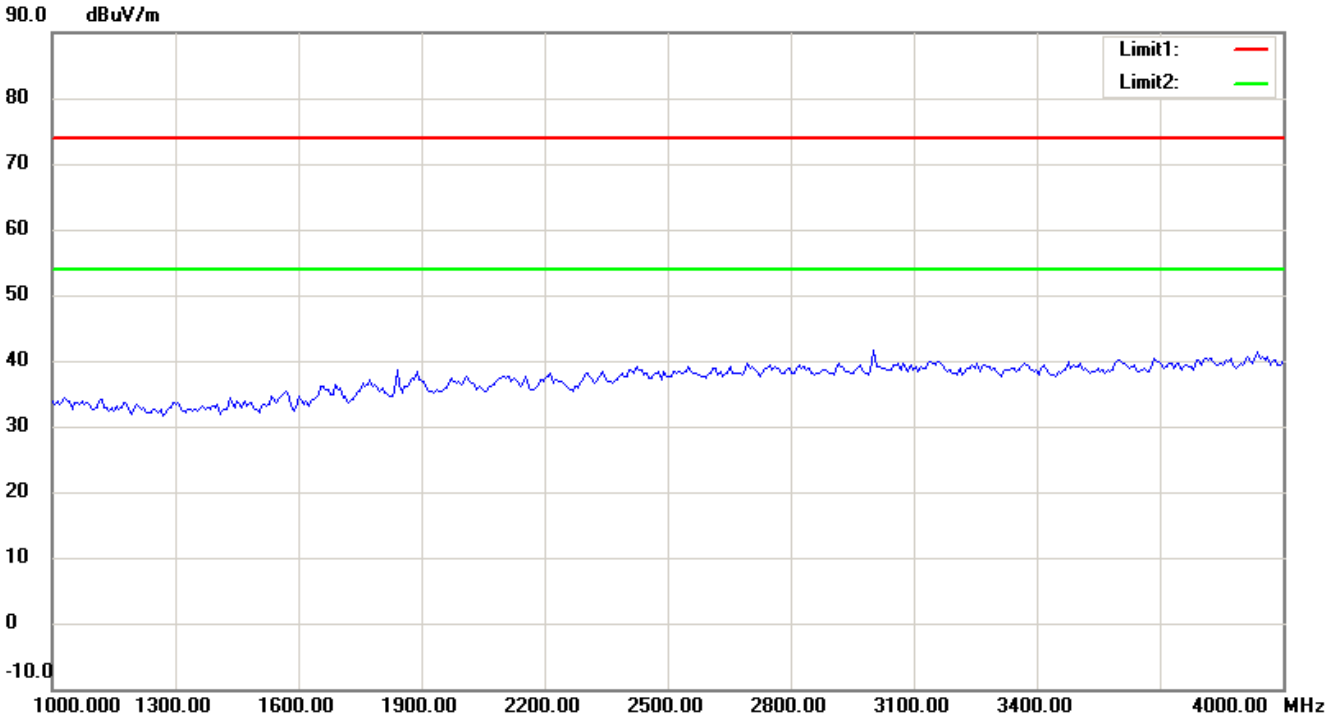
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11a 5785MHz
Antenna Polarization H





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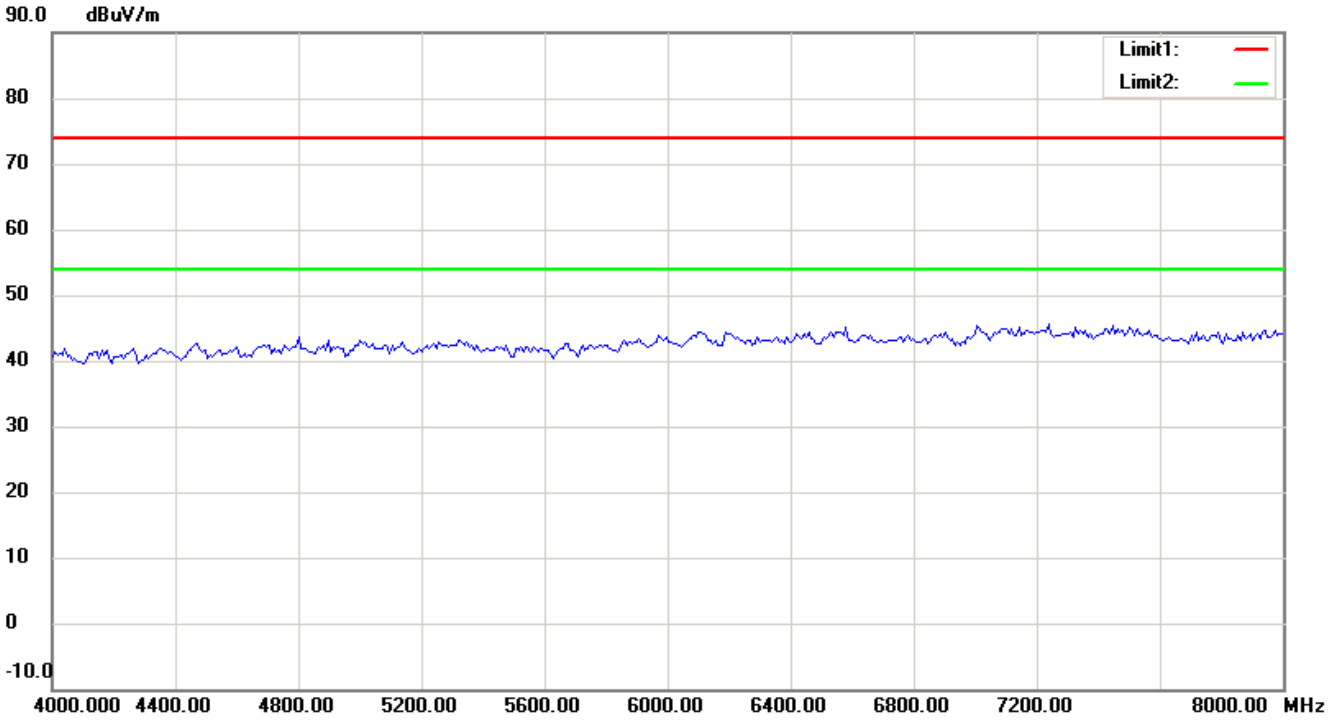
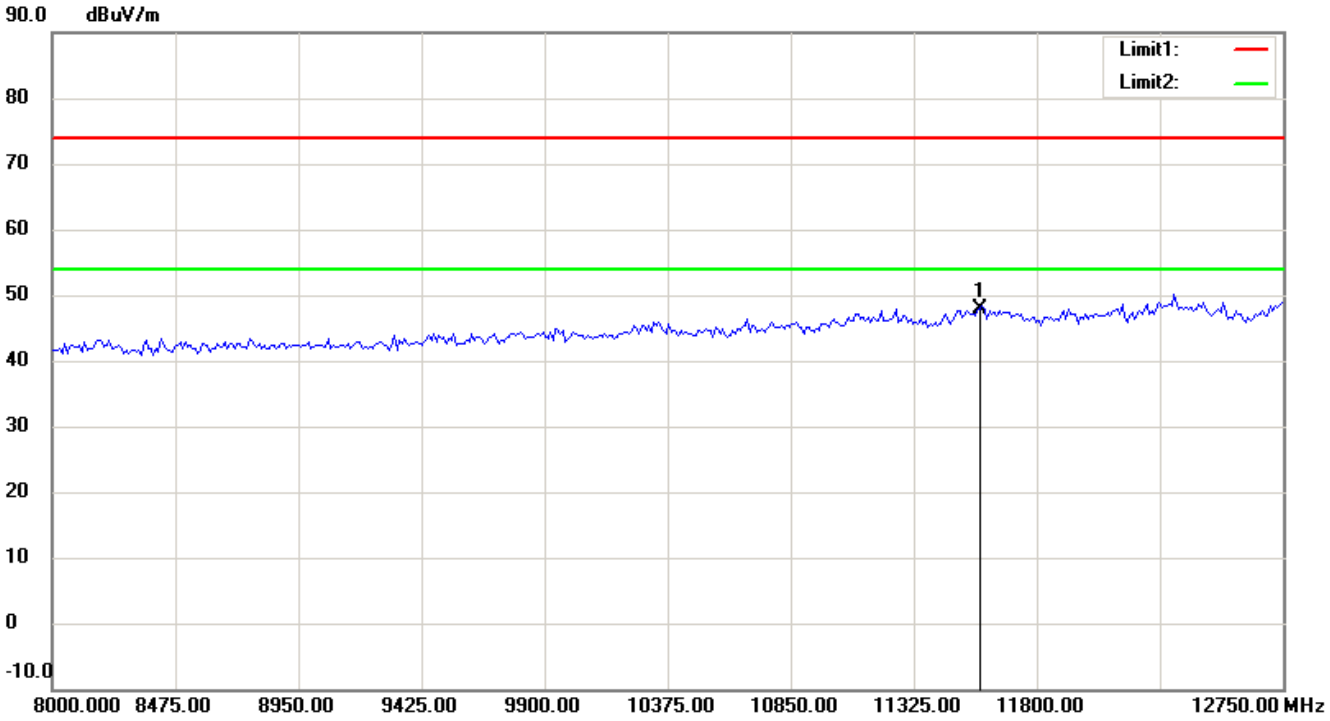
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
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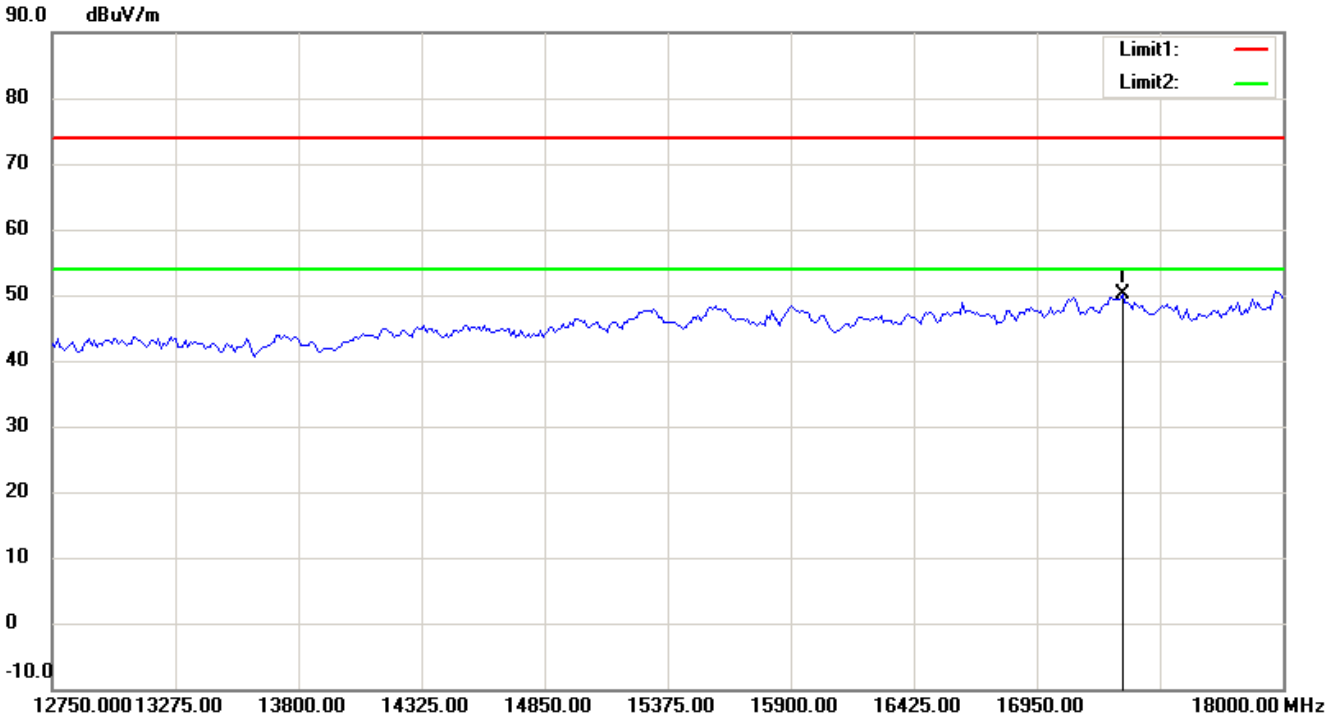
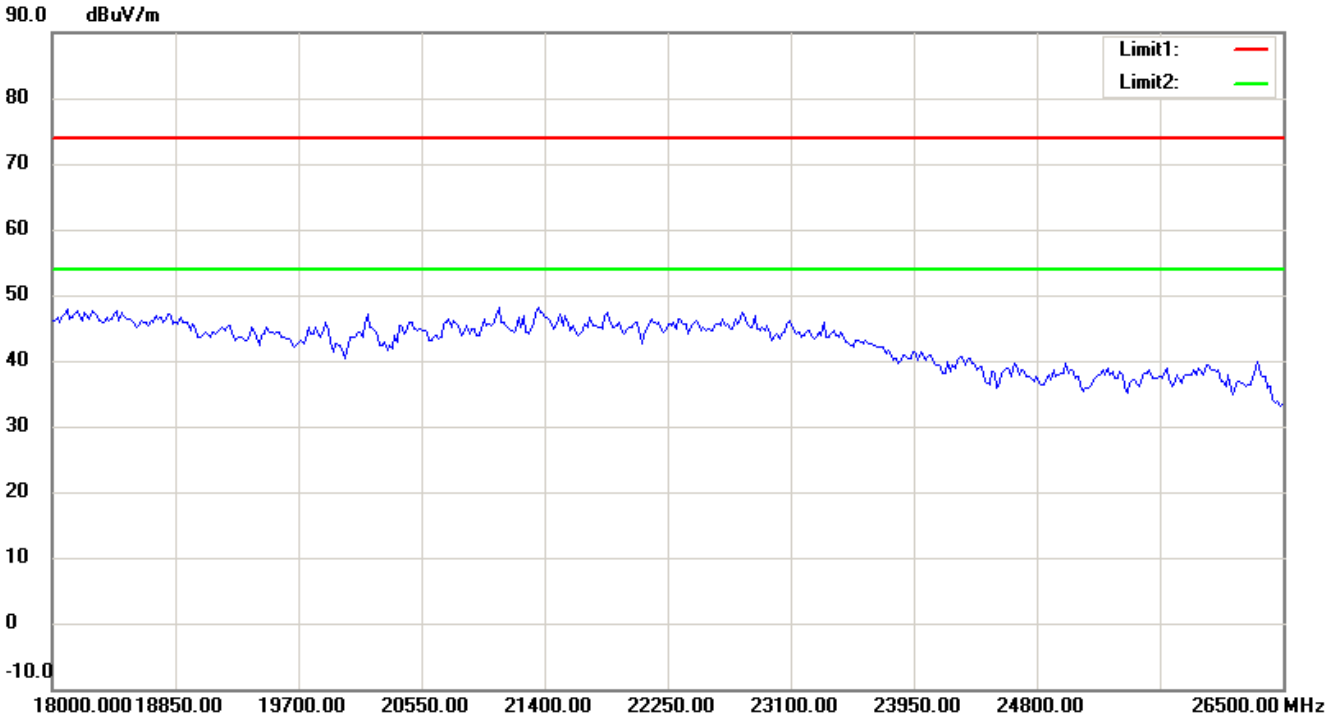
FCC ID: ZTT-PCI20E





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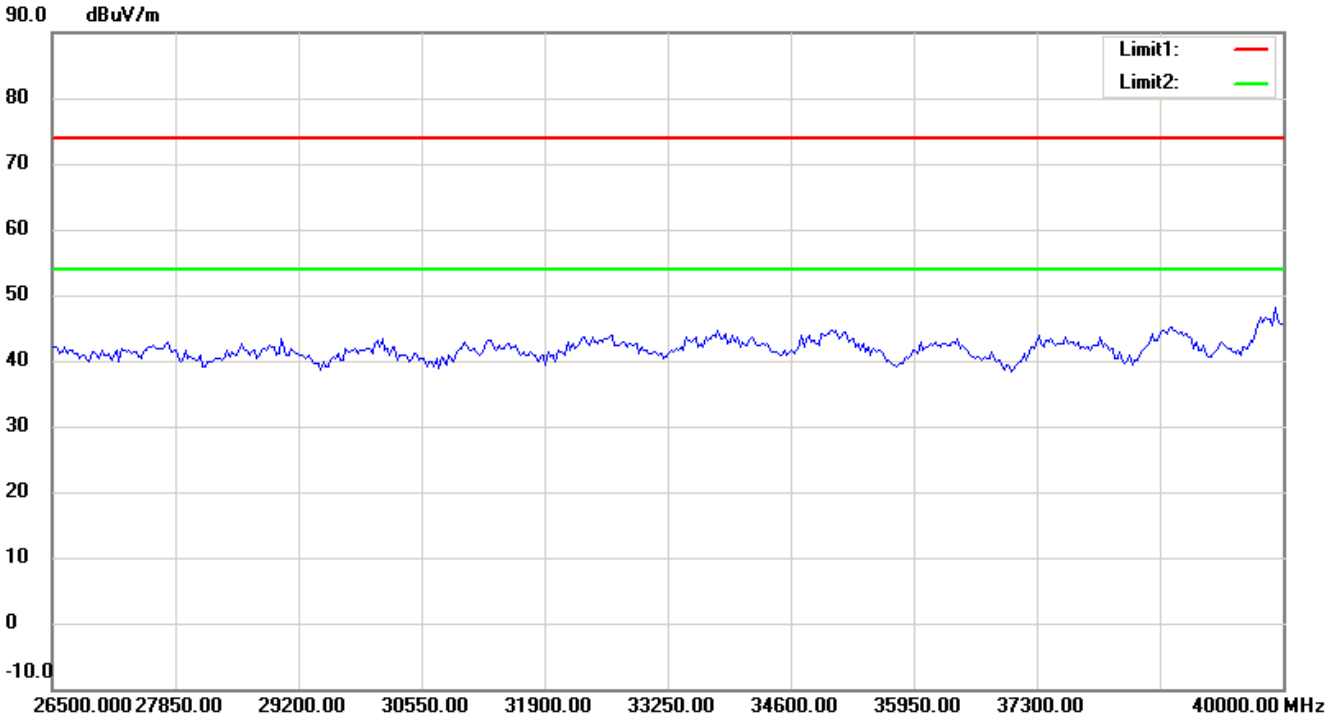
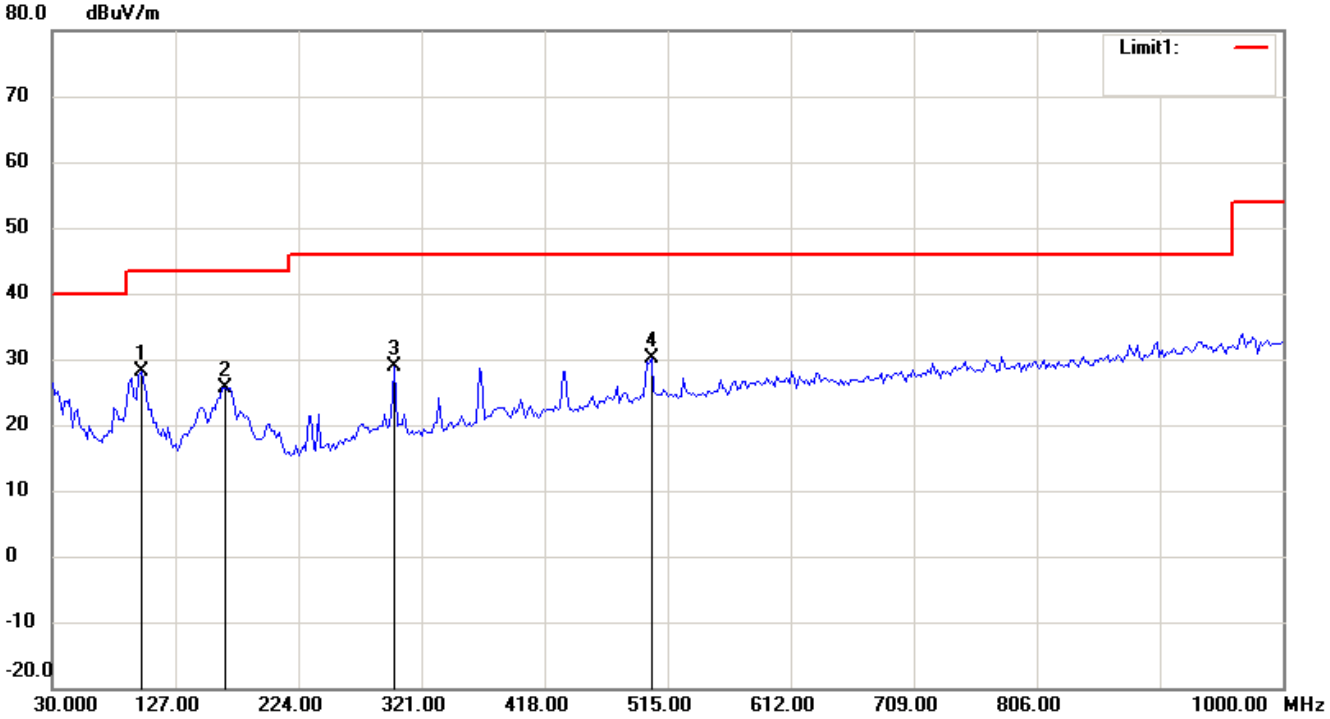
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



Antenna Polarization V



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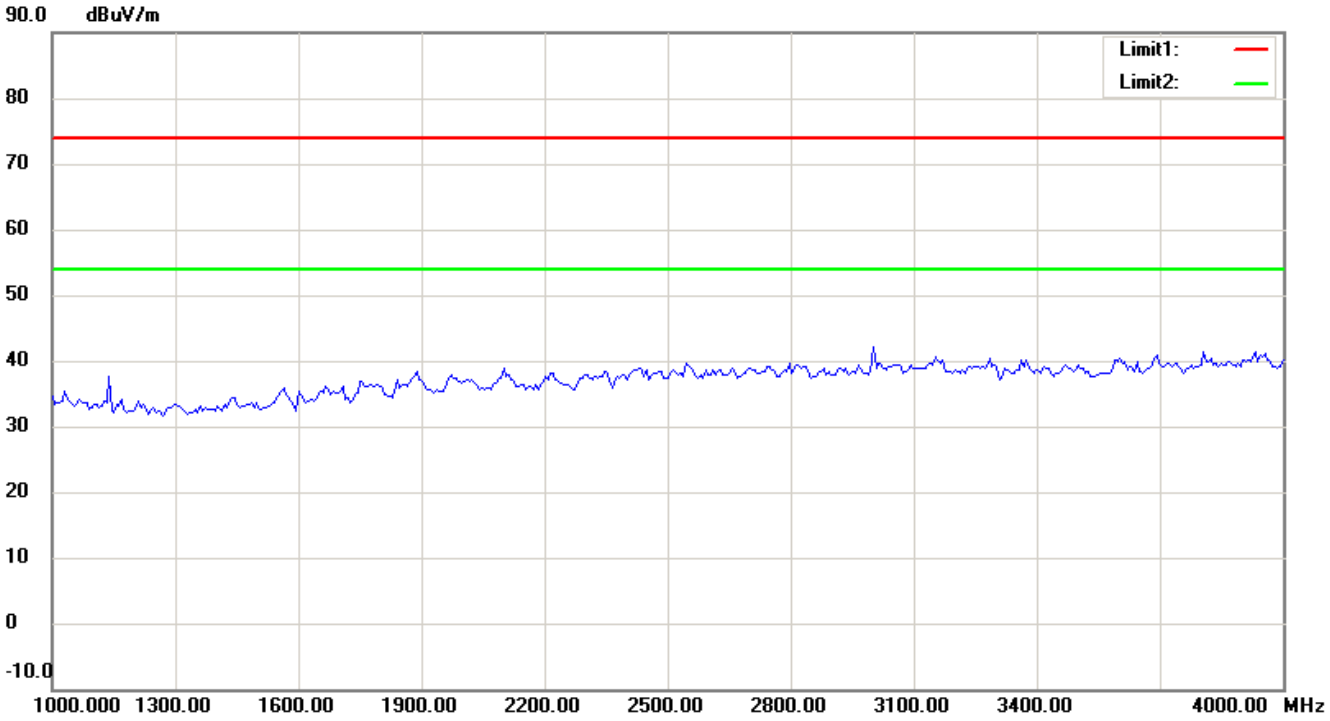
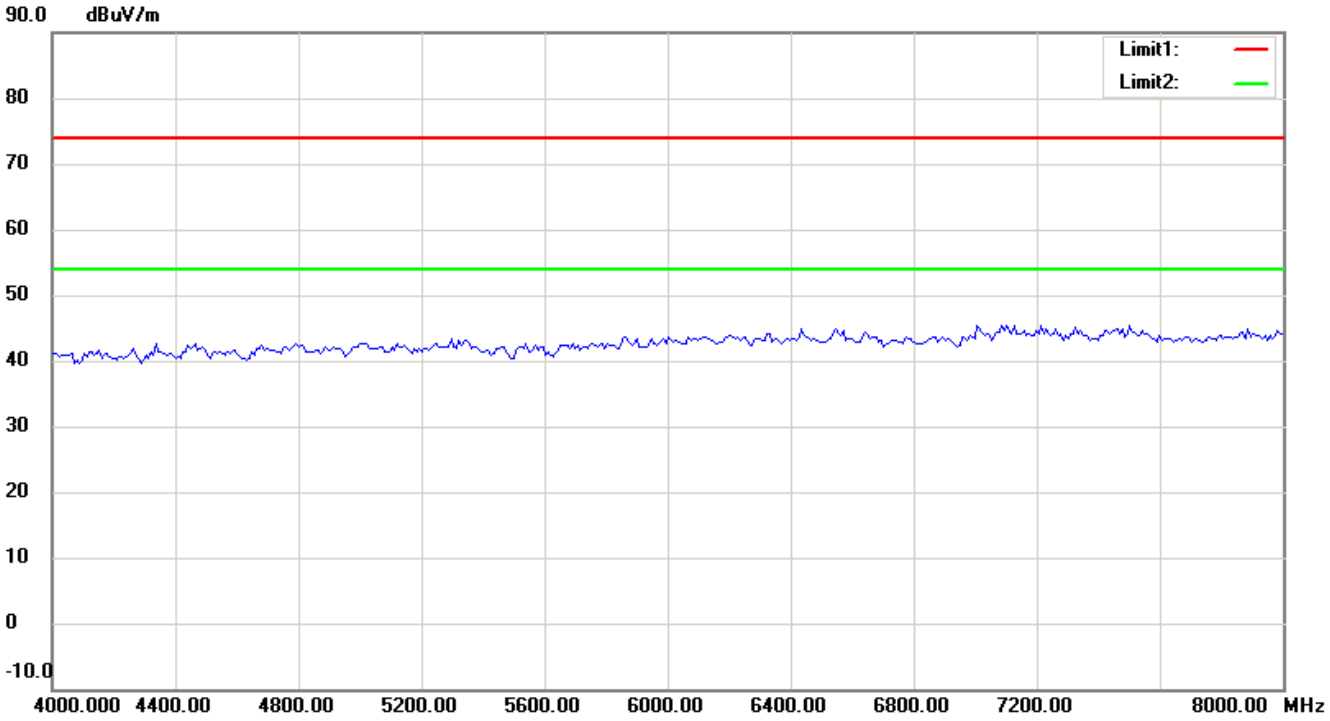
FCC ID: ZTT-PCI20E





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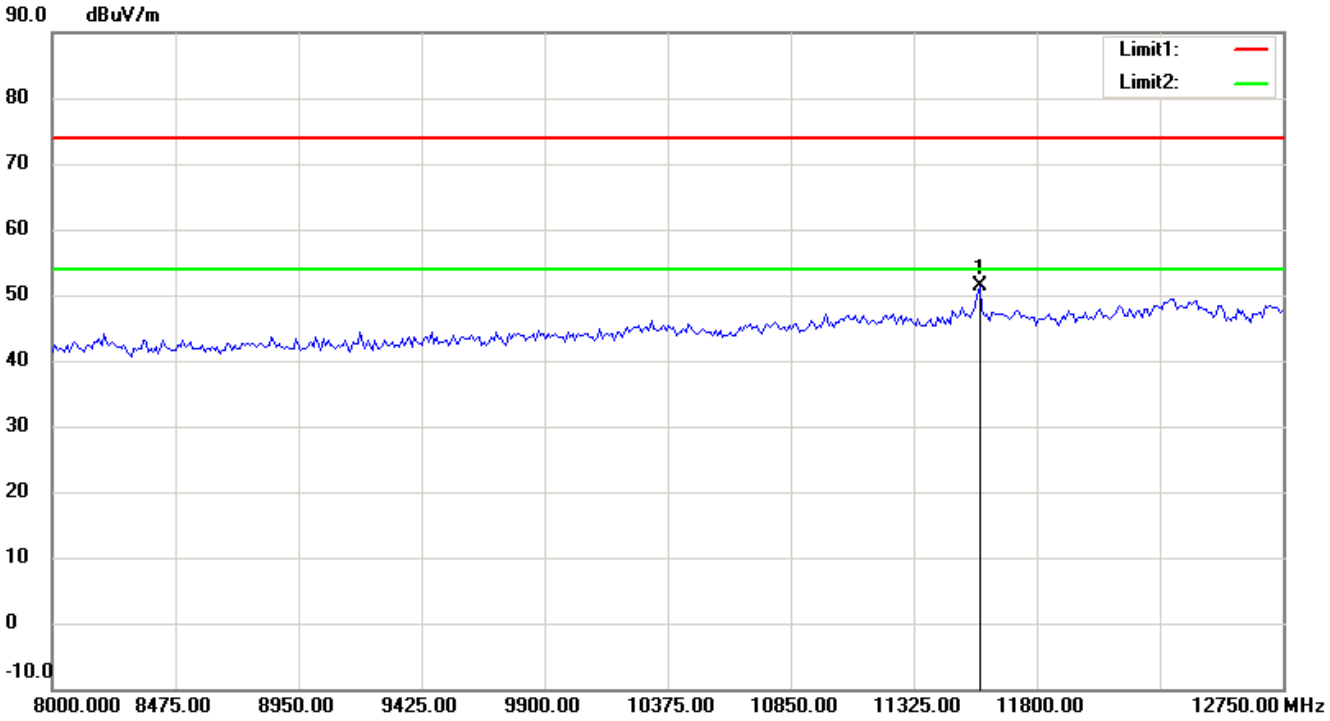
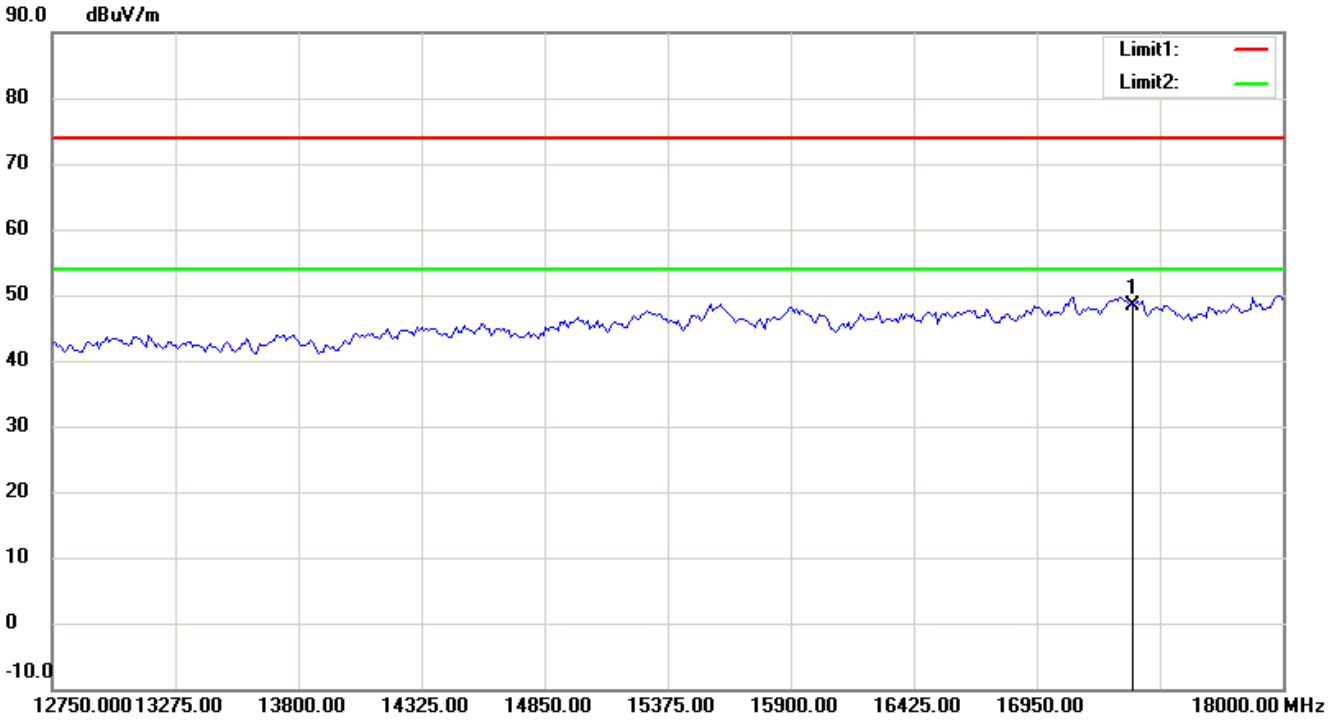
FCC ID: ZTT-PCI20E





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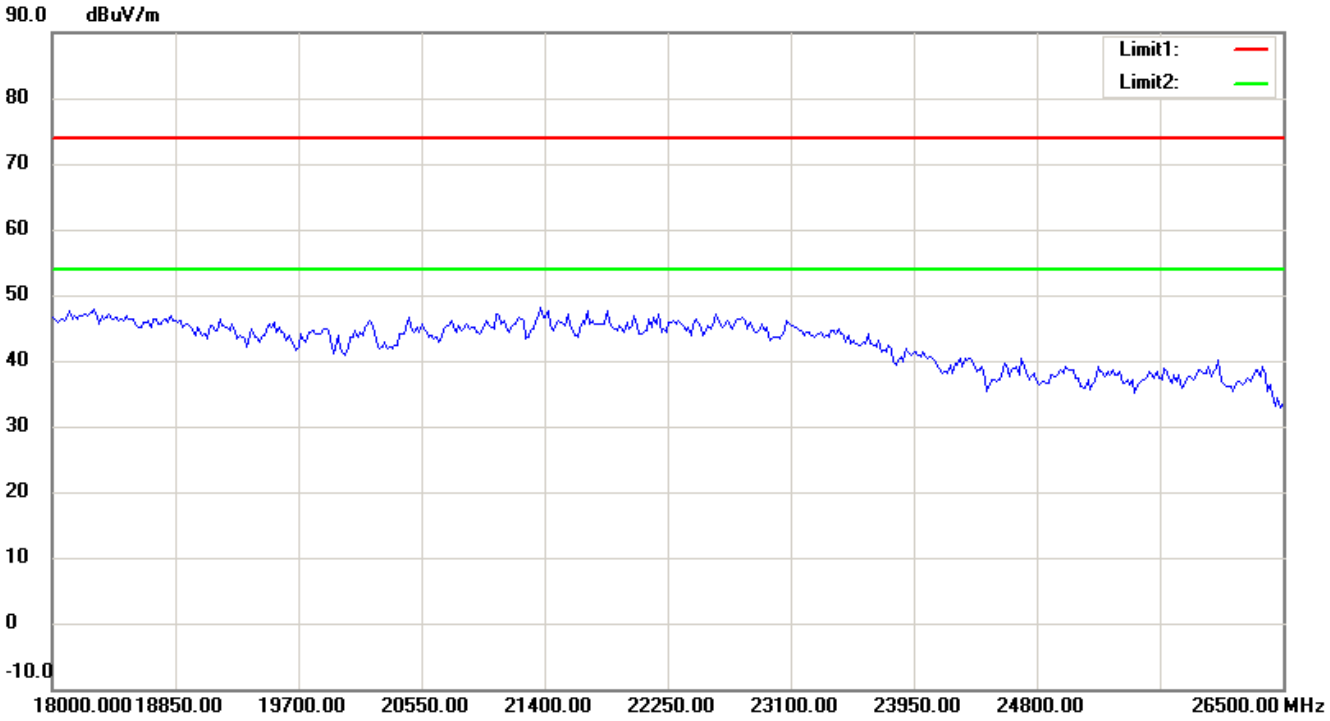

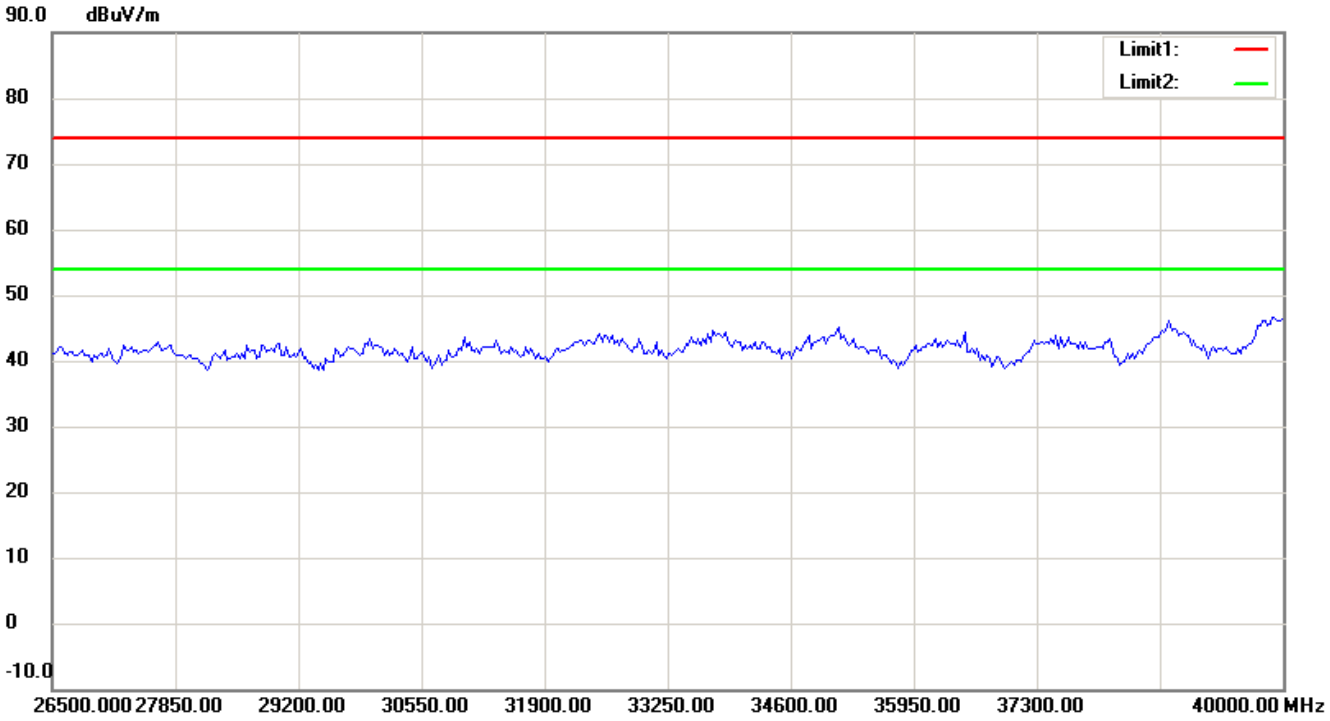

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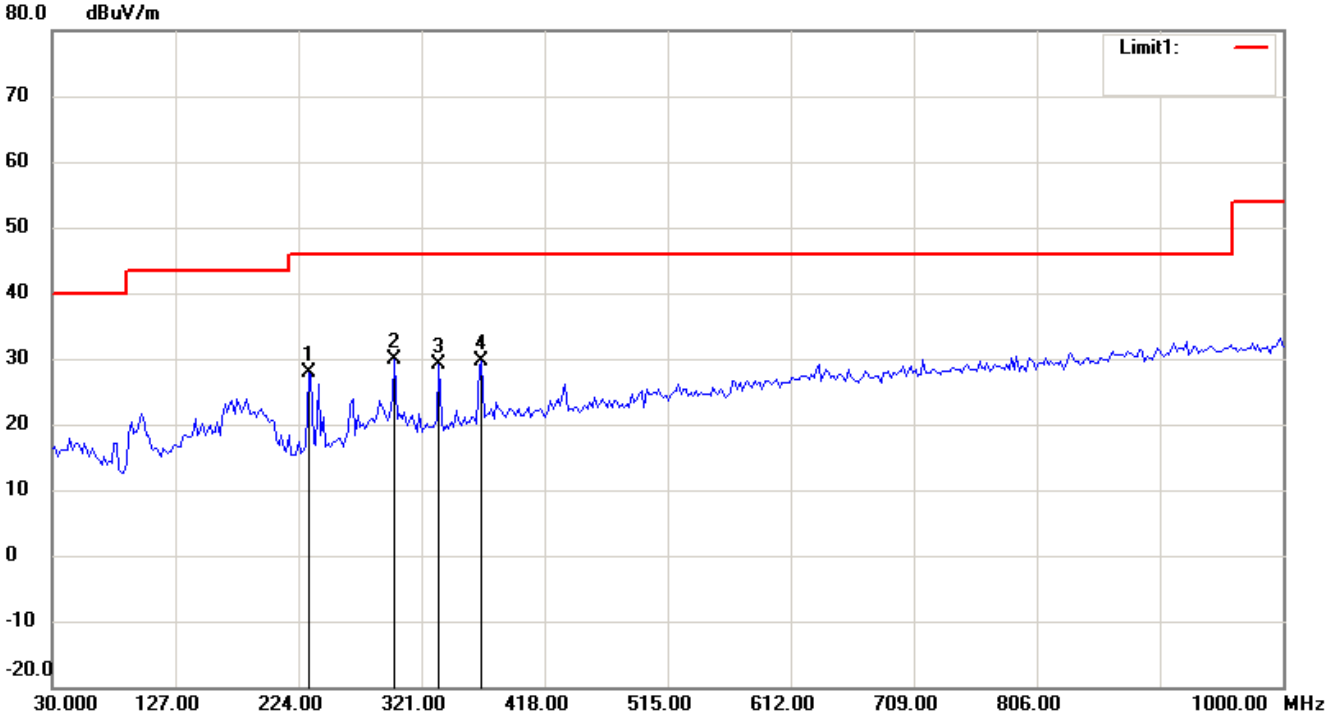
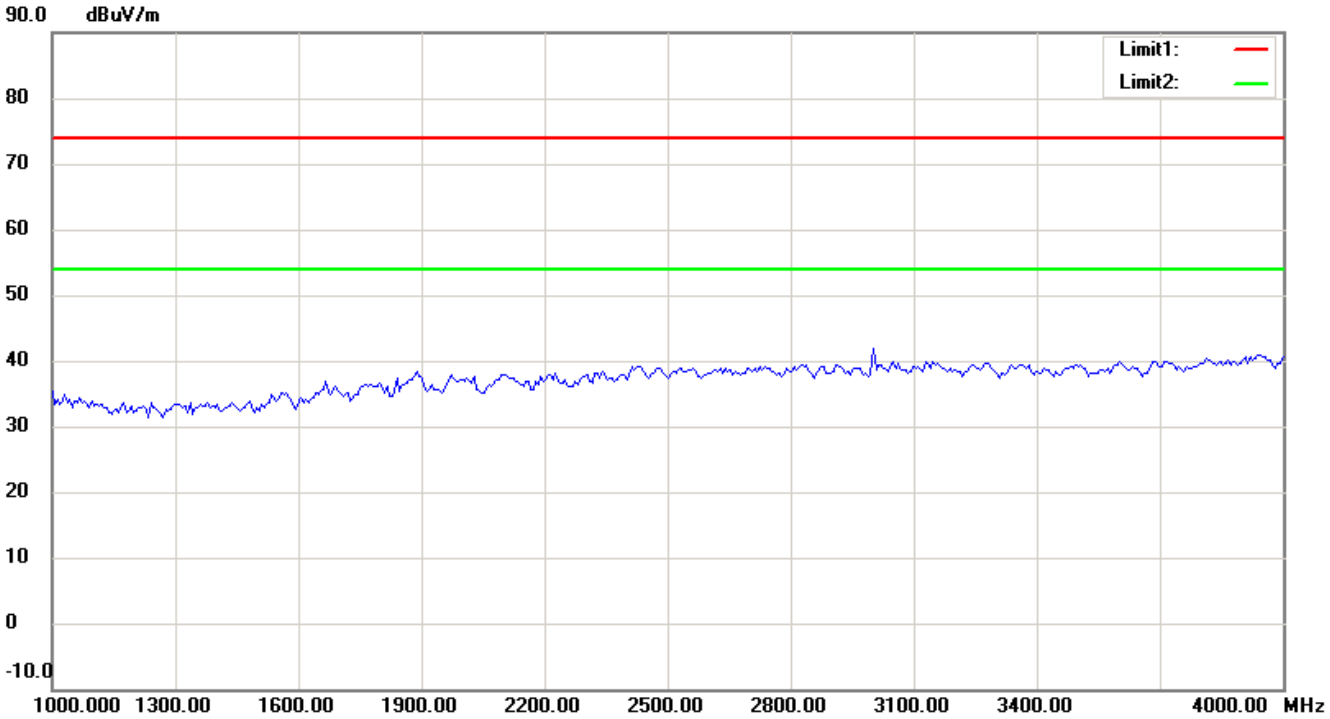
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11a 5825MHz
Antenna Polarization H





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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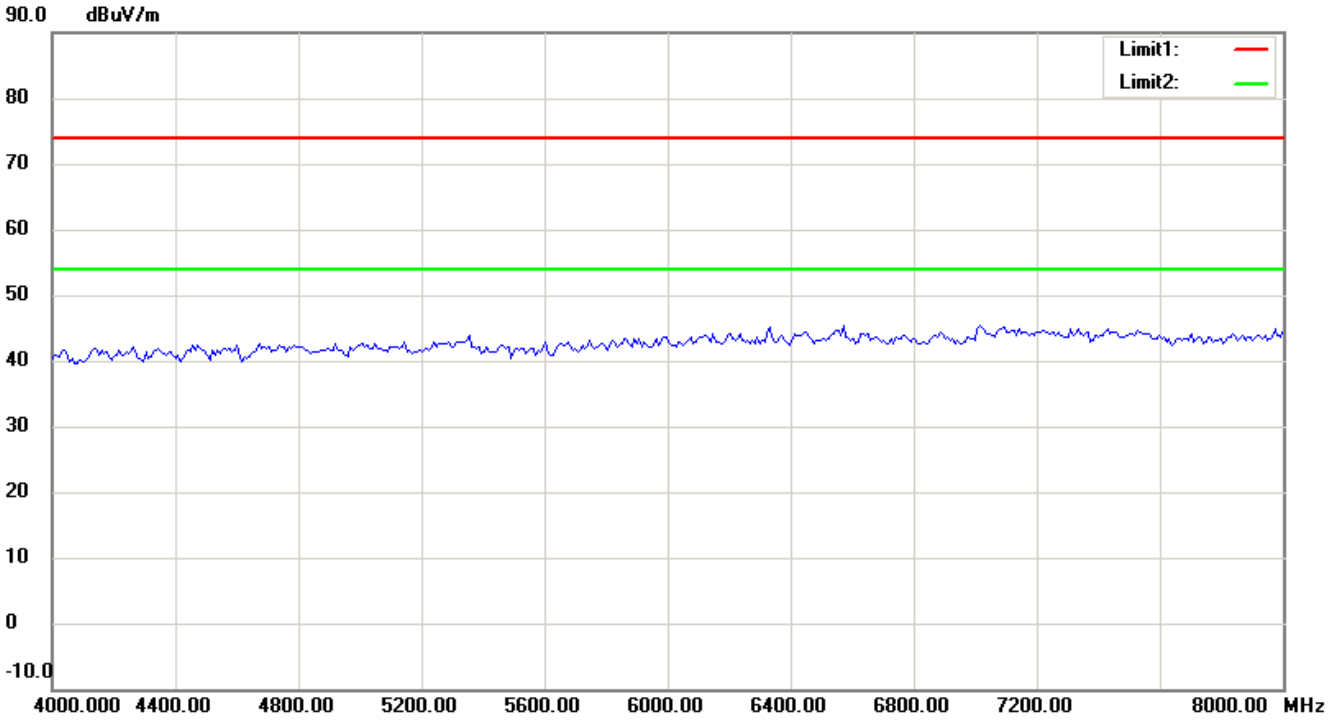
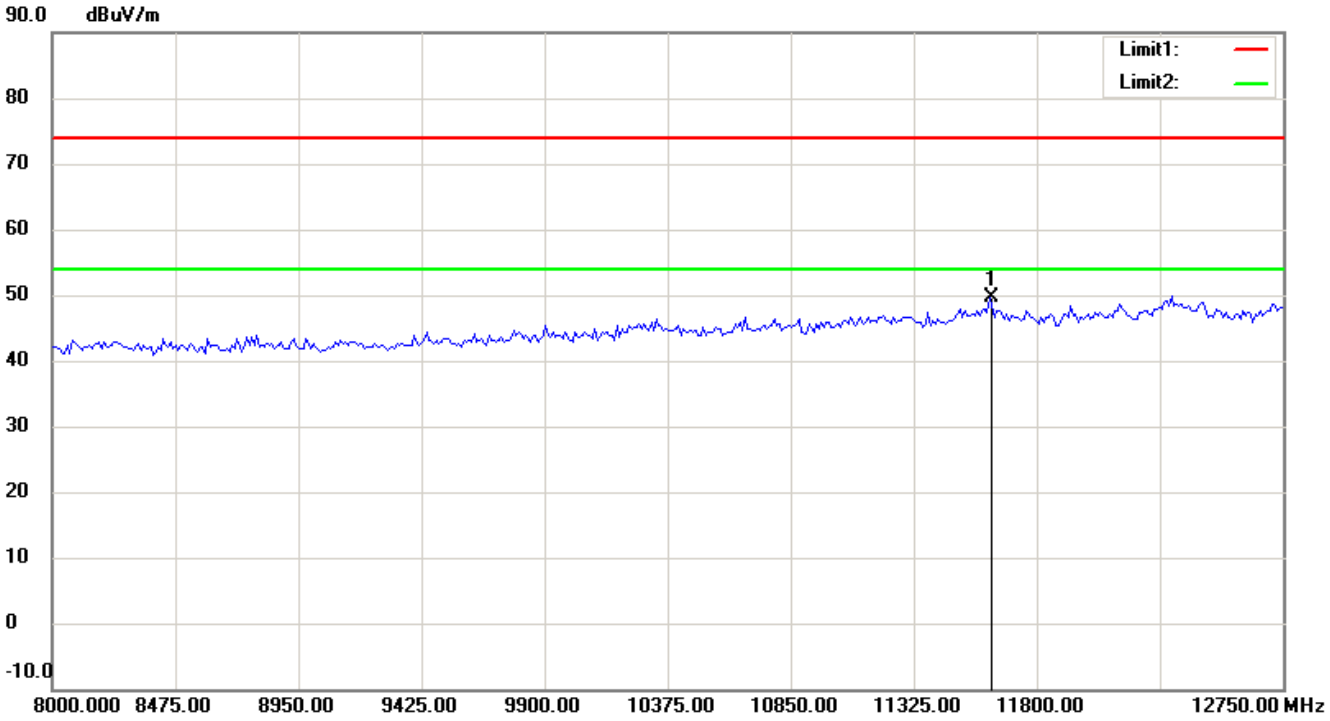
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





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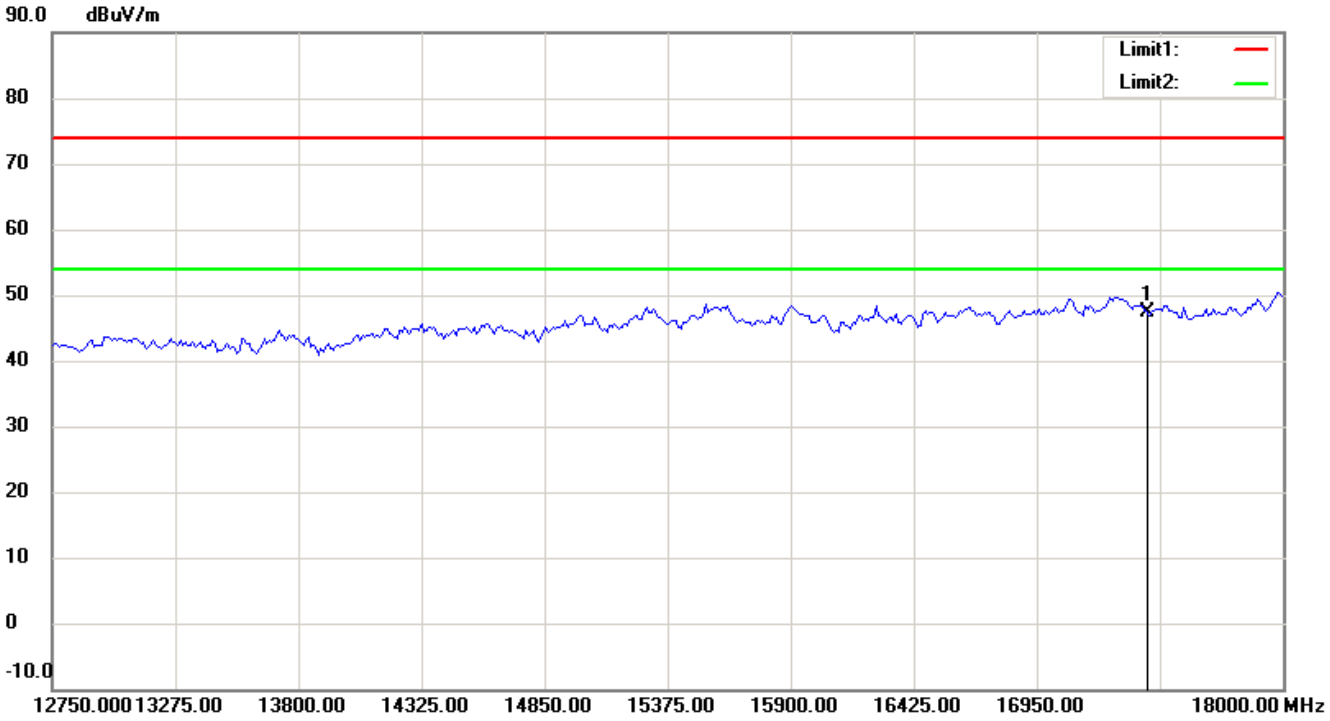

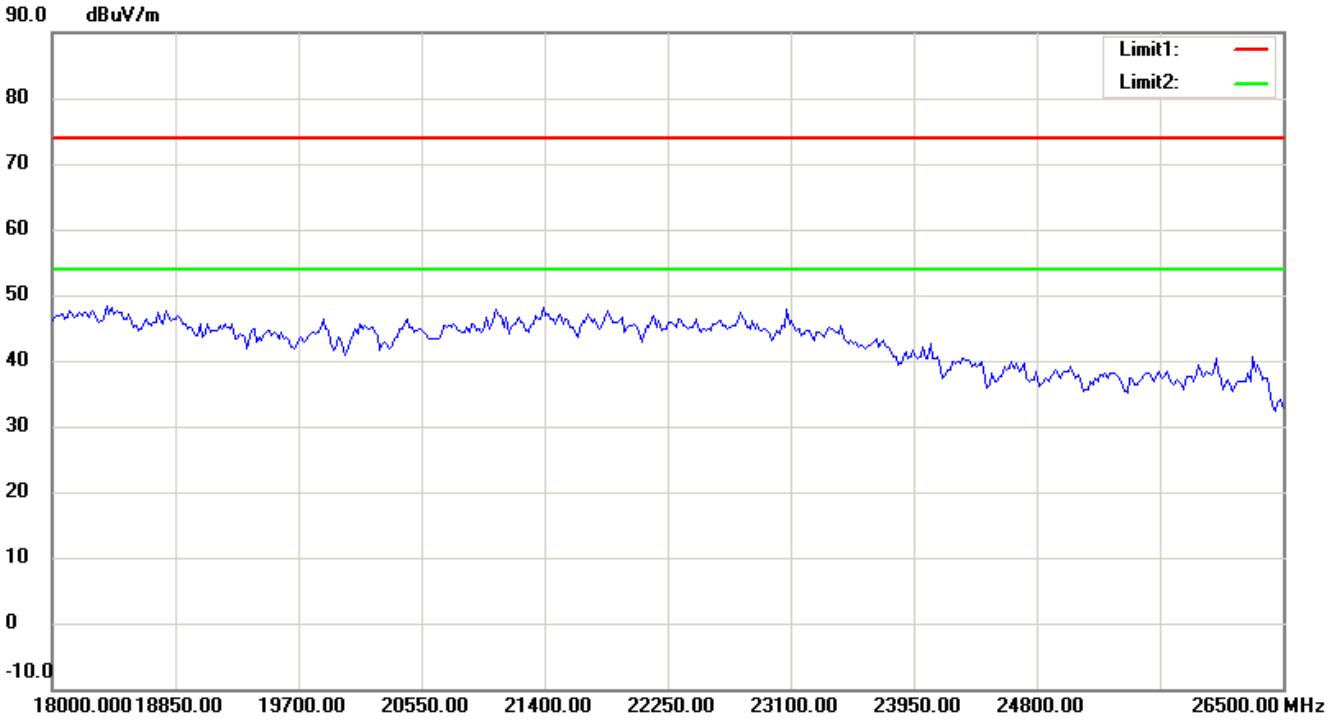

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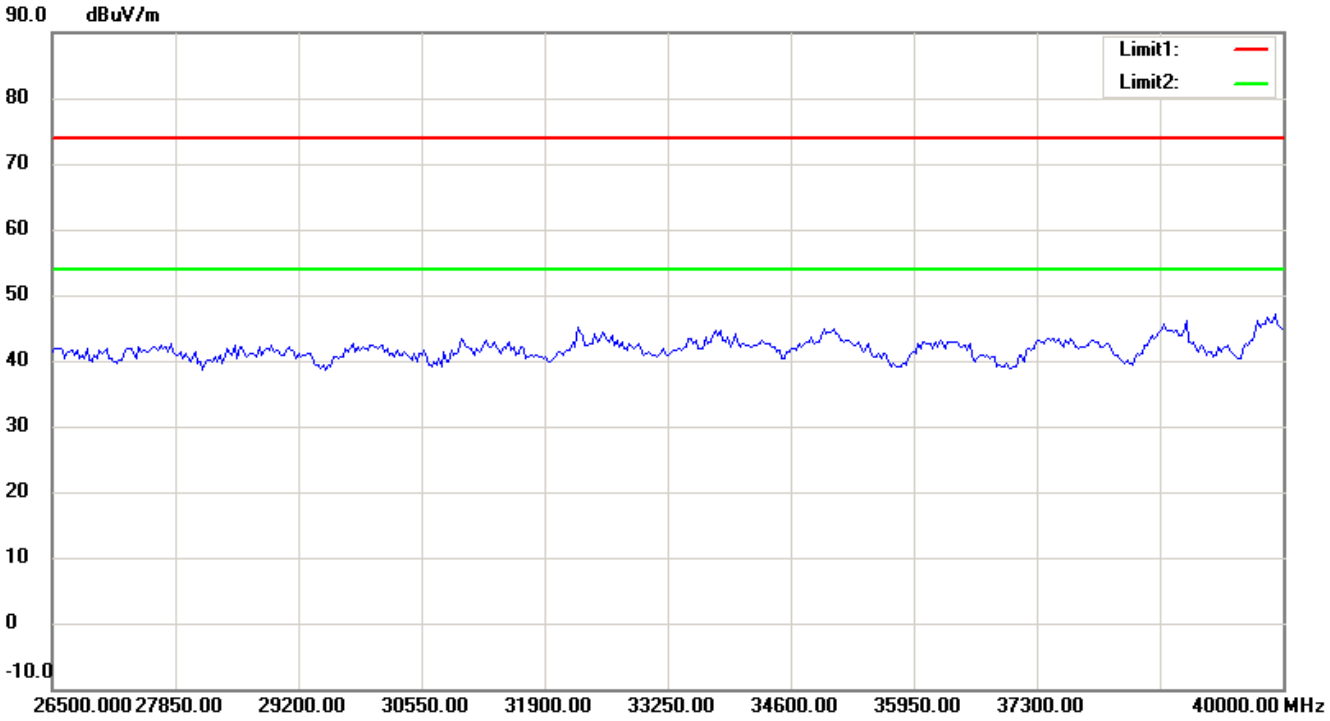
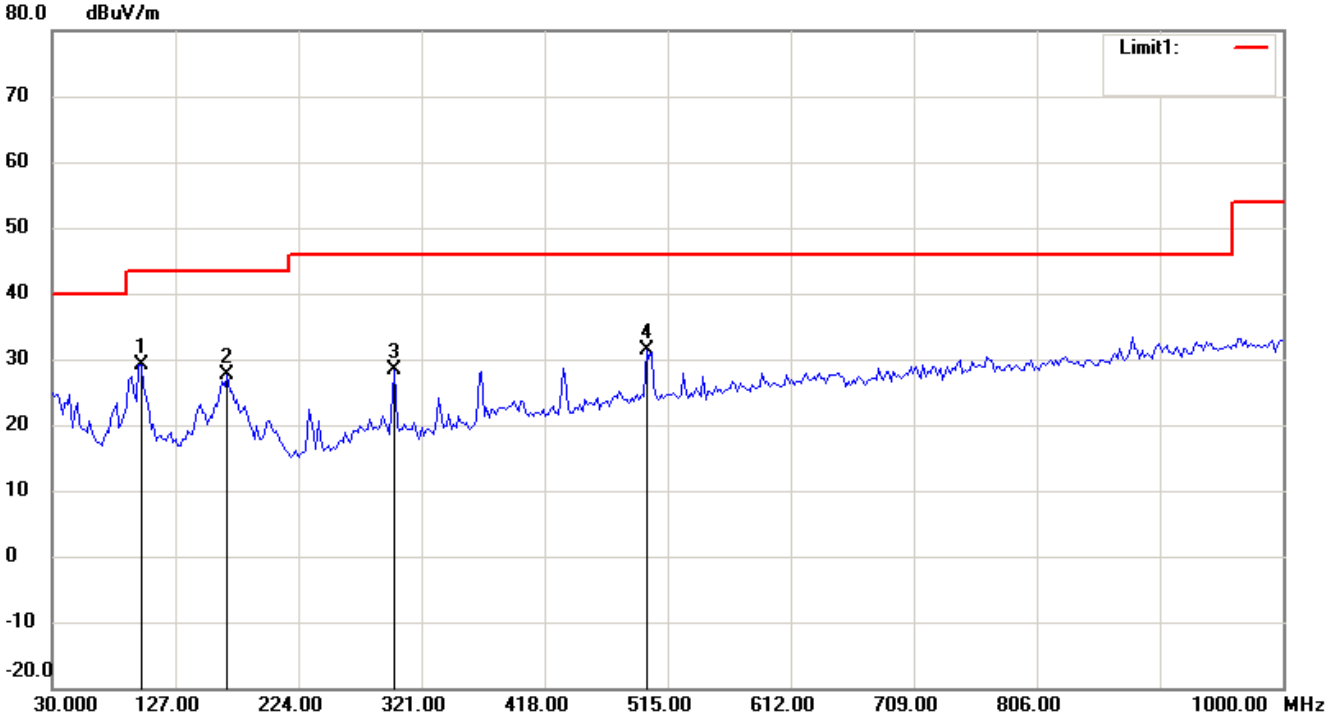


Antenna Polarization V



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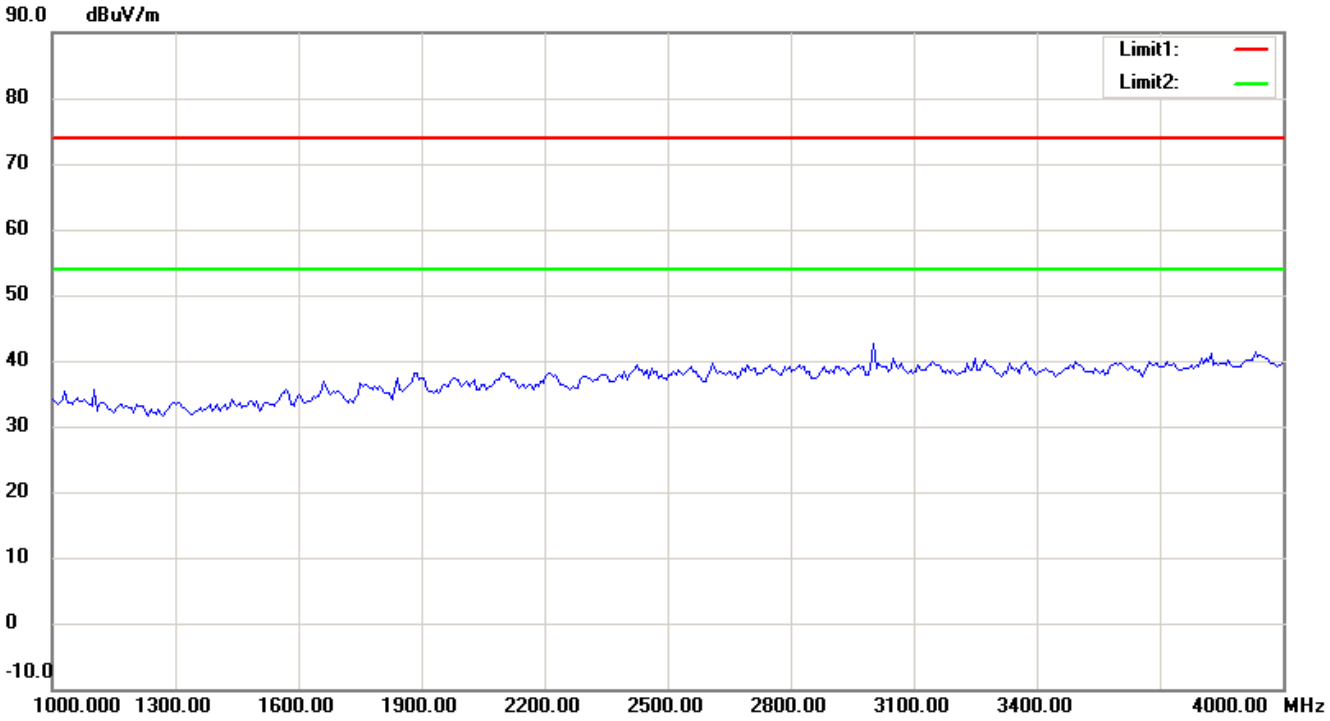

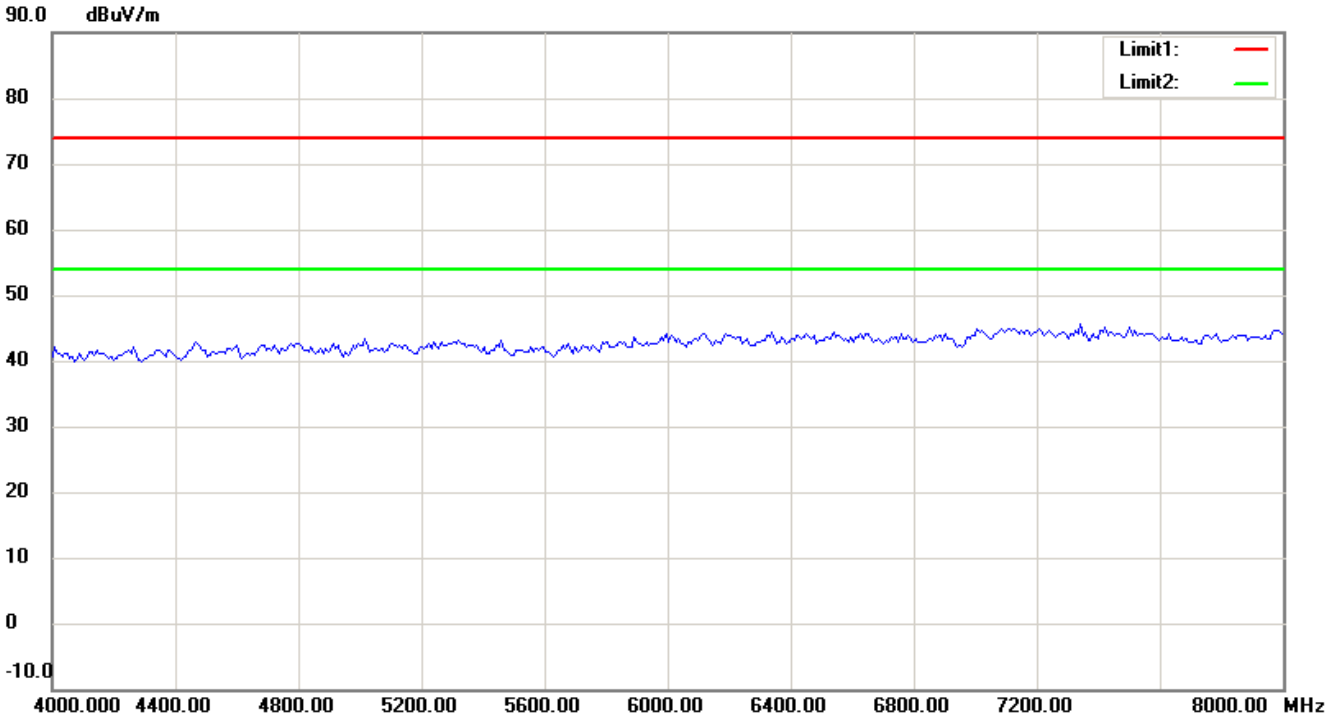

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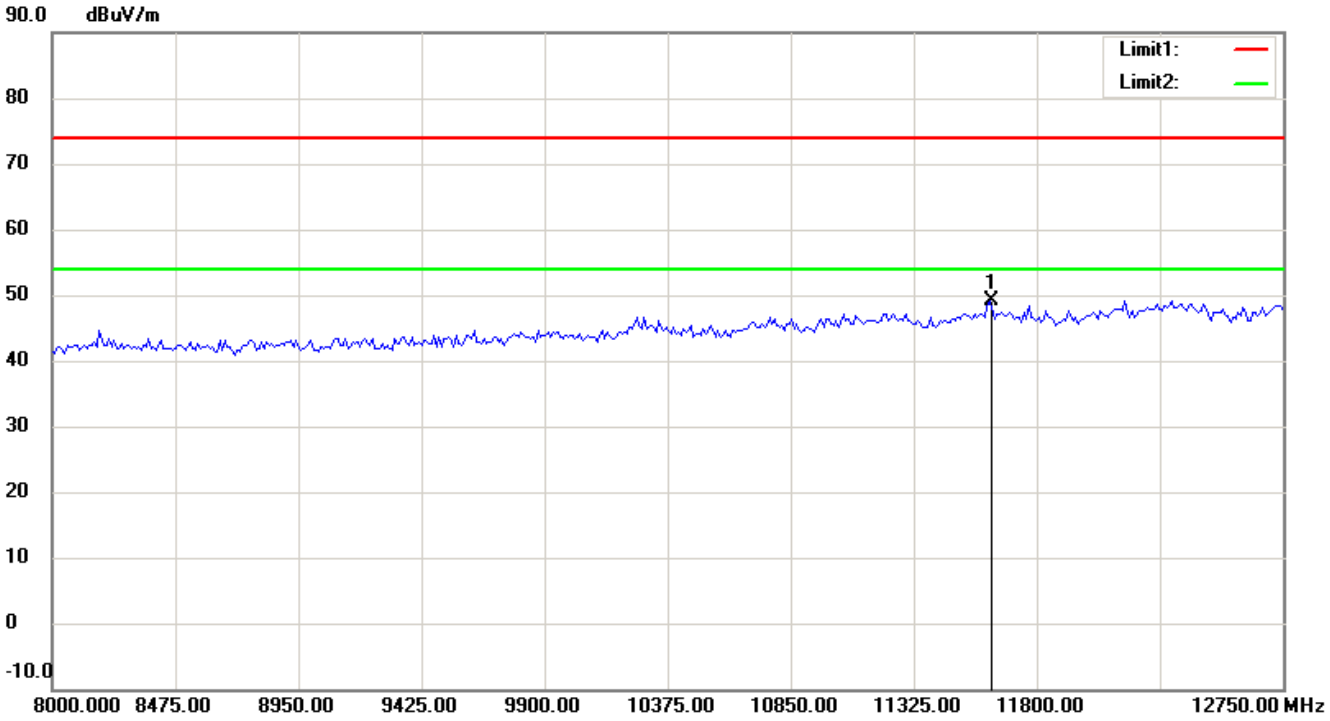

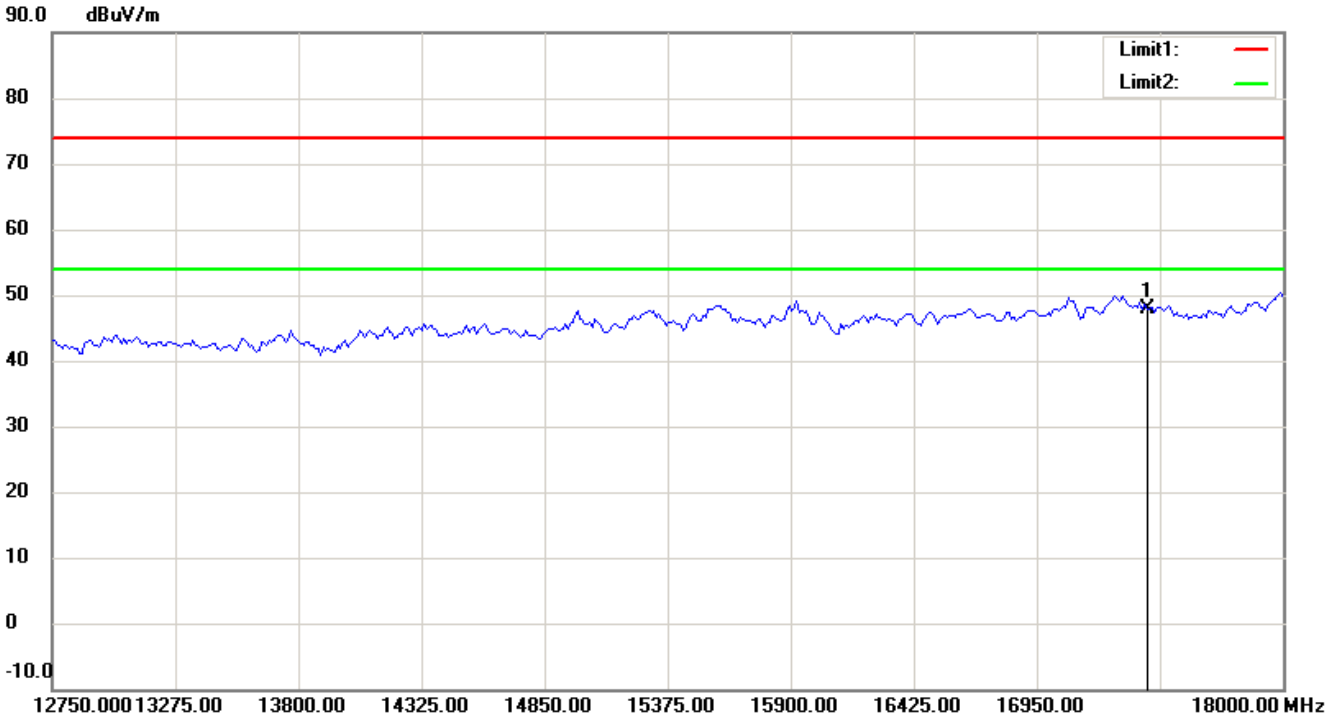

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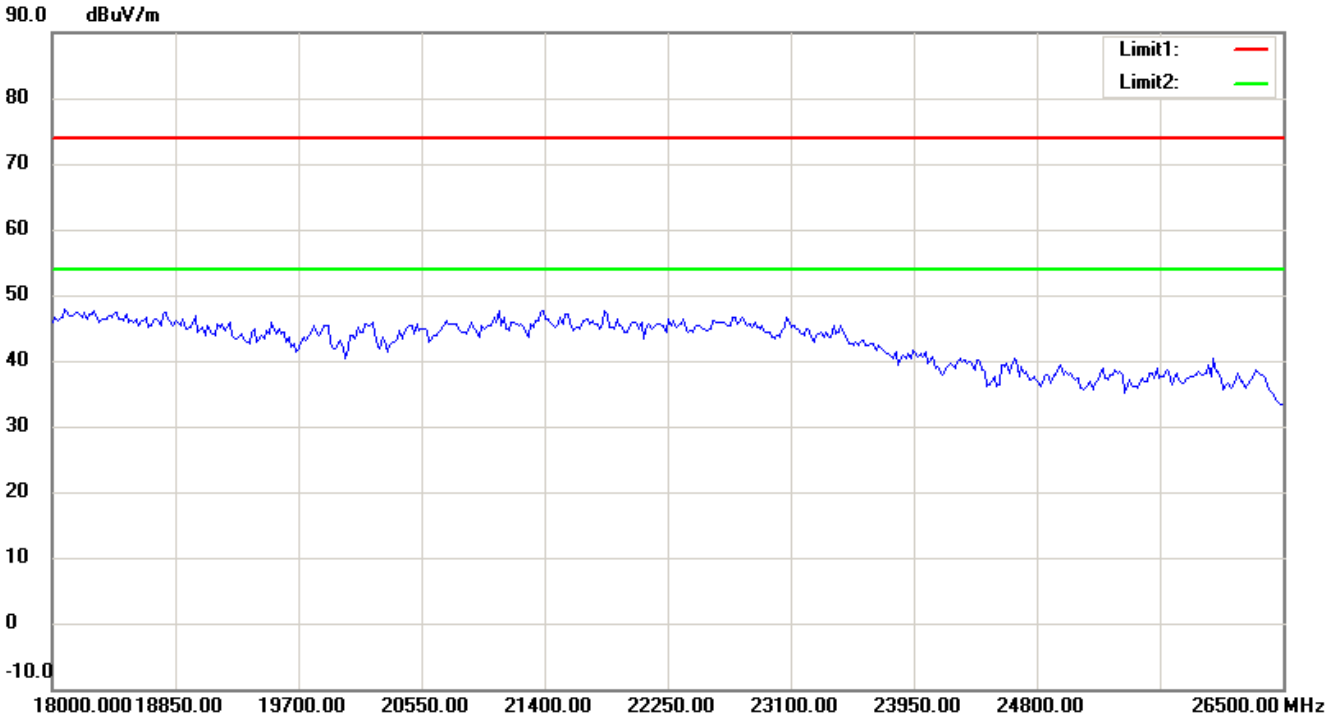

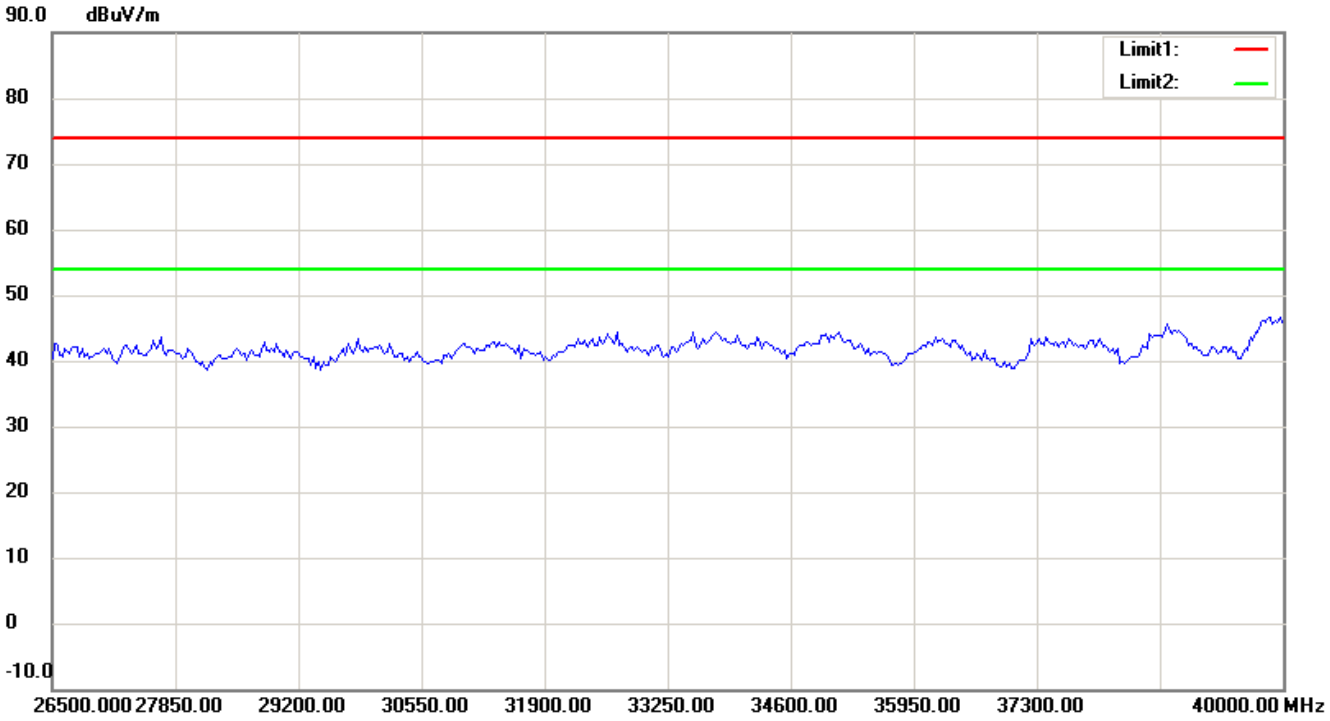

Up Line: Peak Limit Line Down Line: Ave Limit Line
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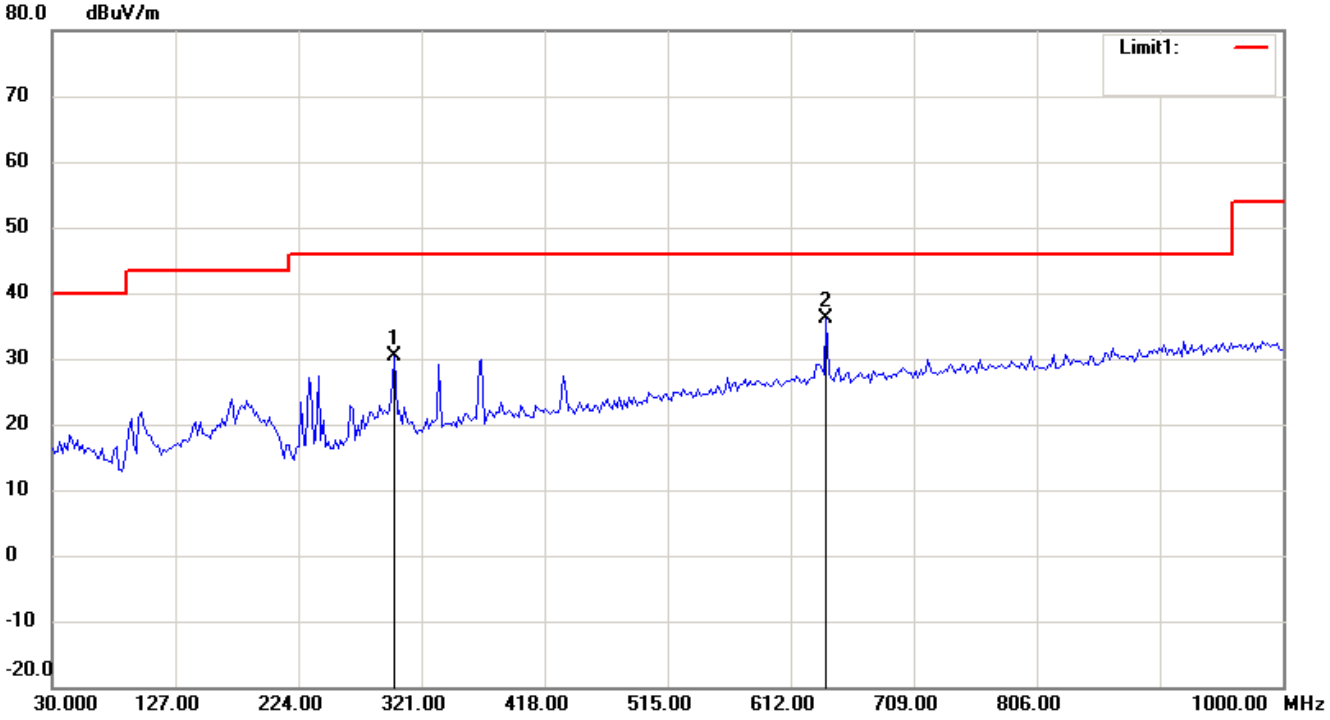
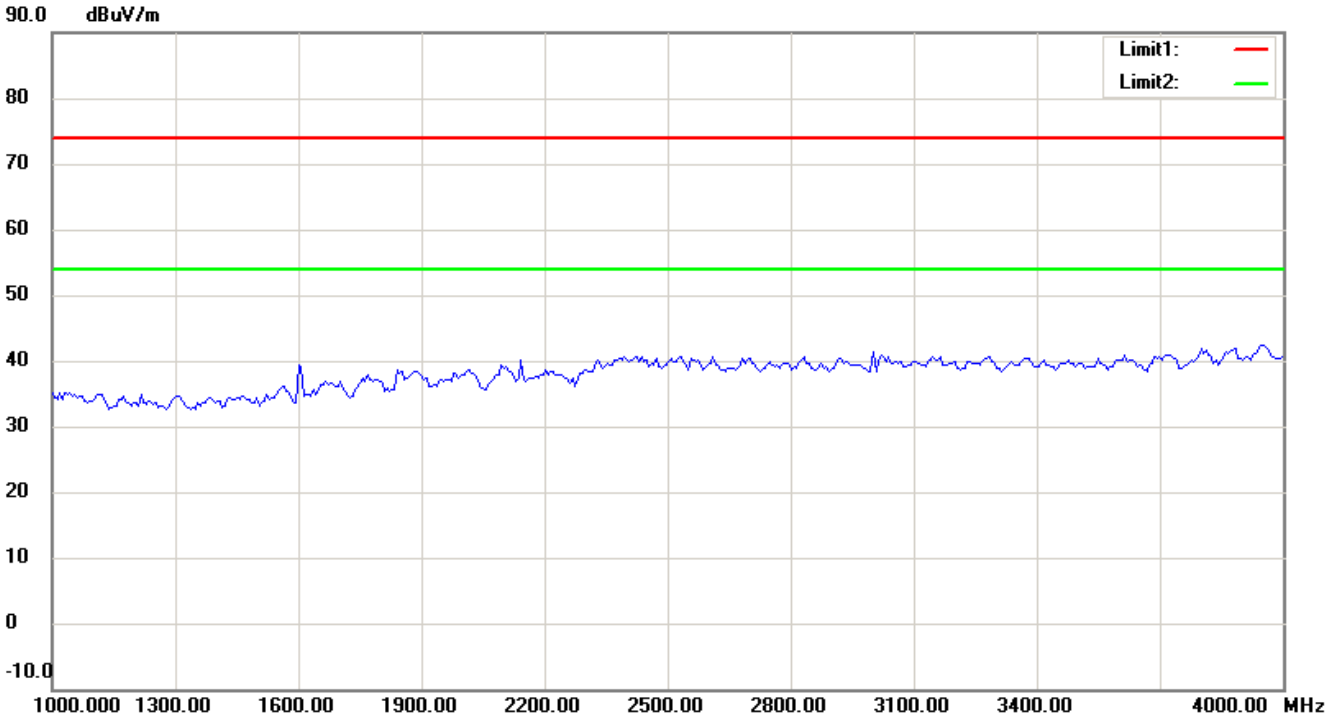
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11b 2412MHz
Antenna Polarization H





Up Line: Peak Limit Line Down Line: Ave Limit Line
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Registration number: W6M21401-13806-C-1
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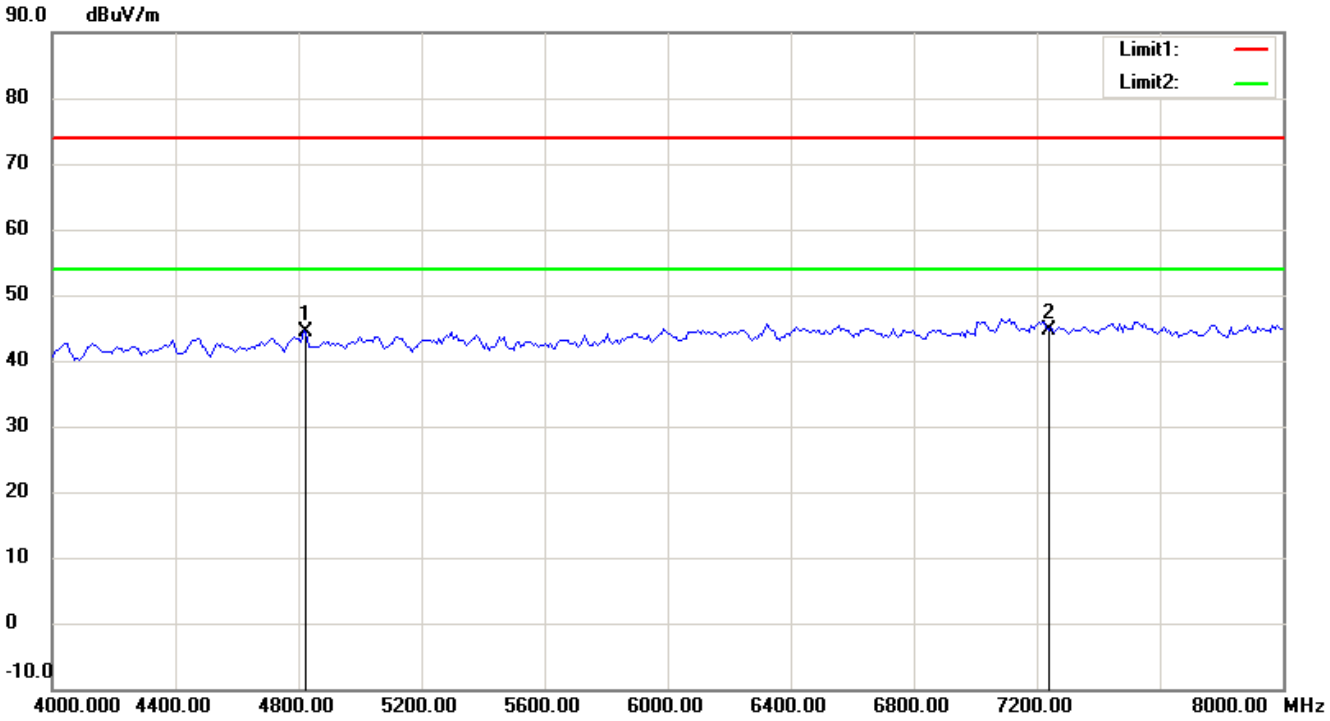

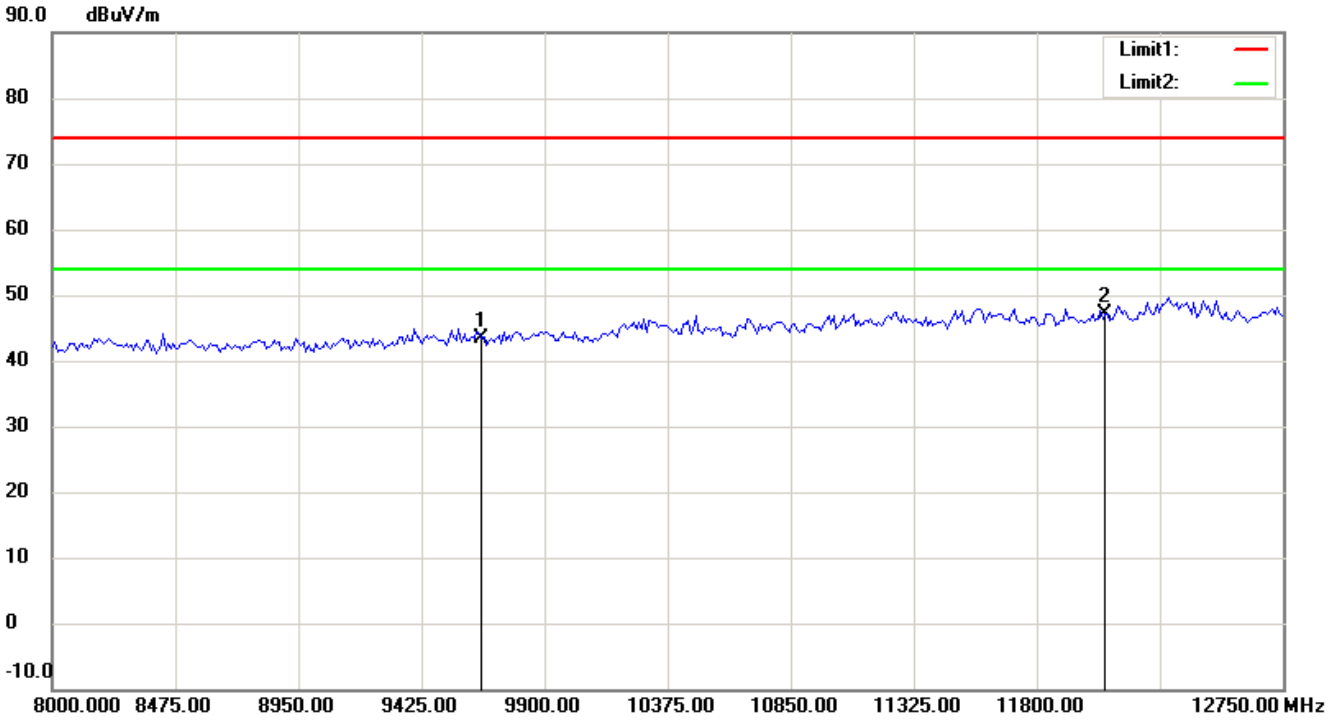

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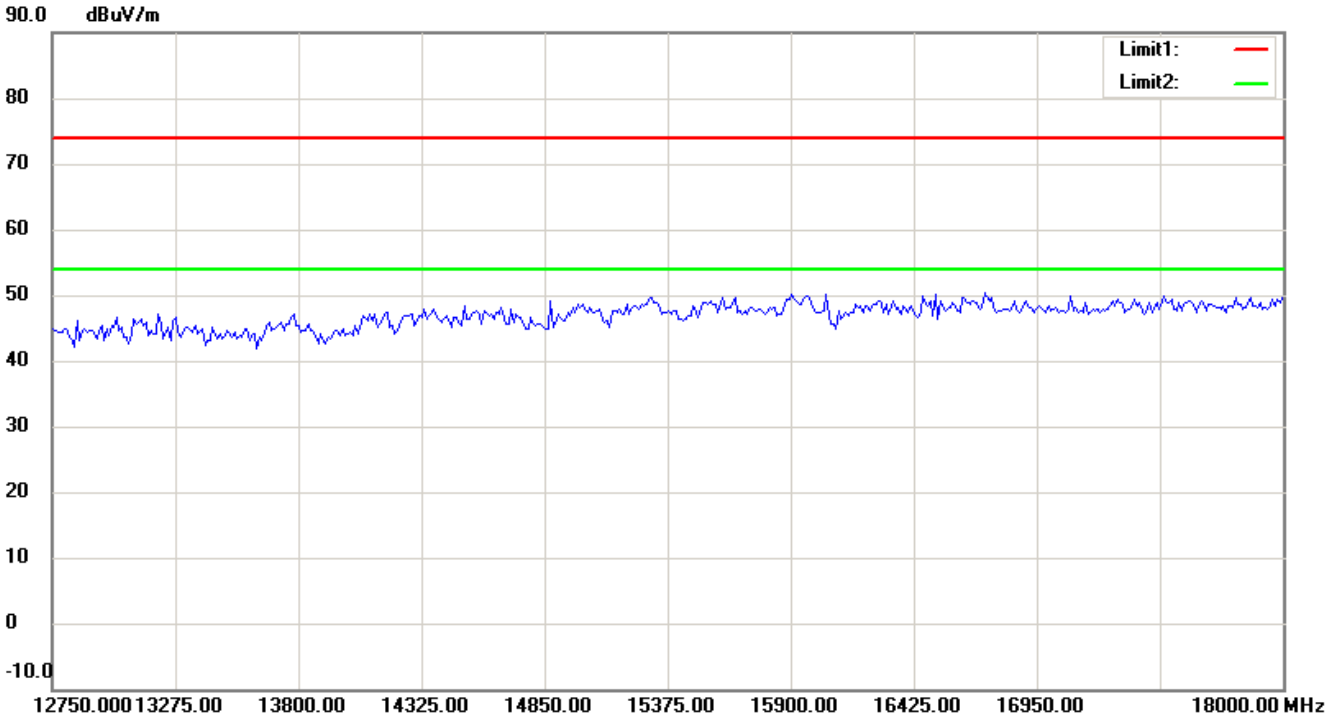
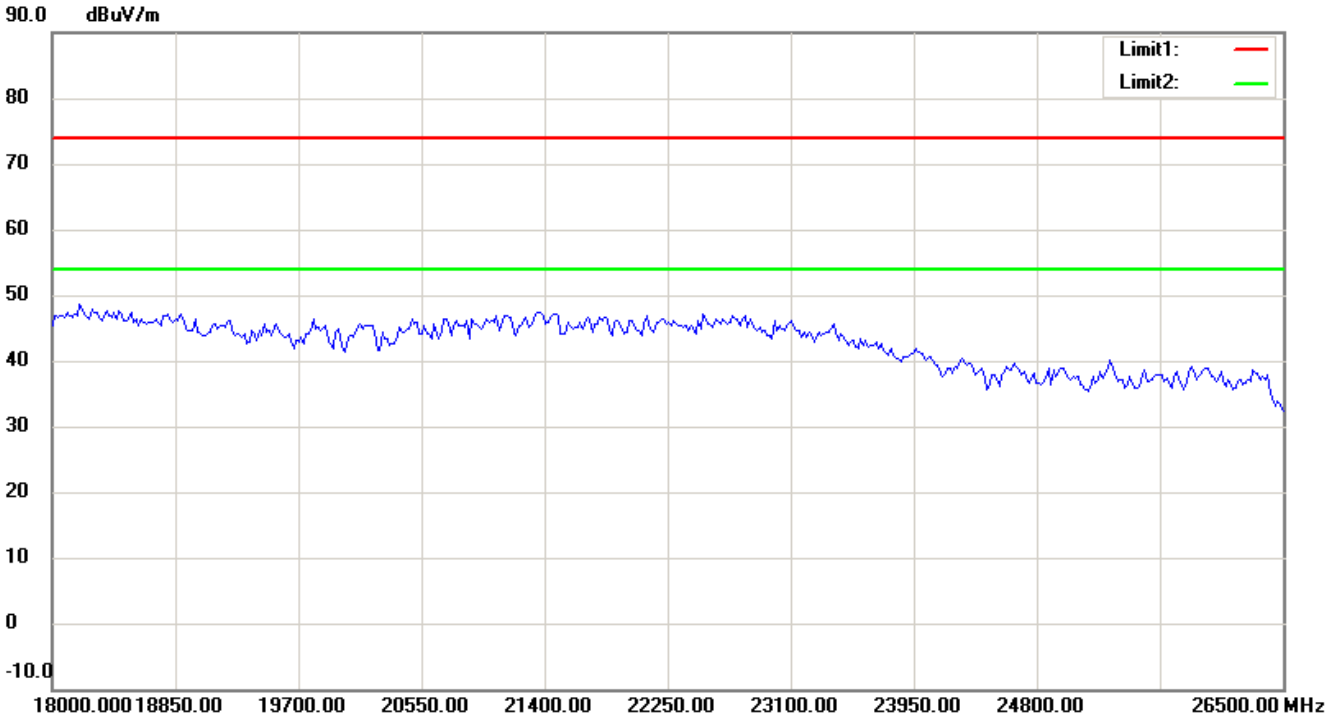
FCC ID: ZTT-PCI20E



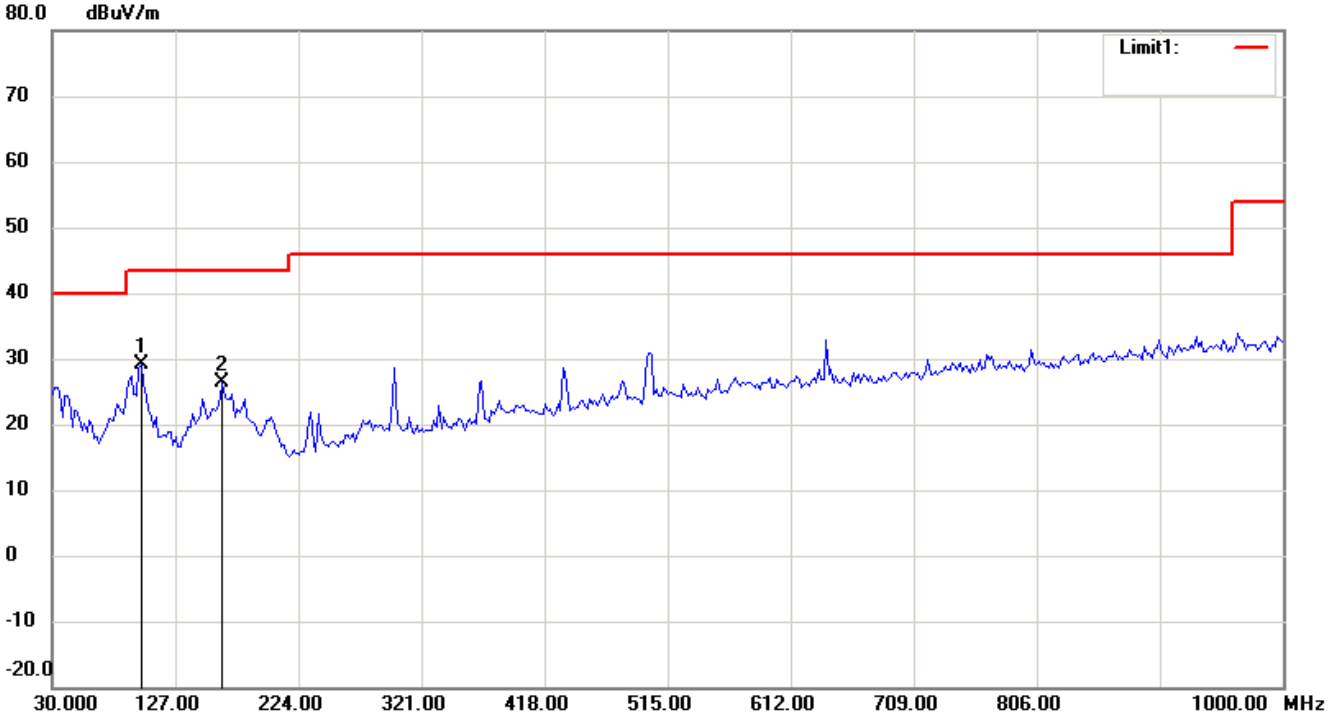


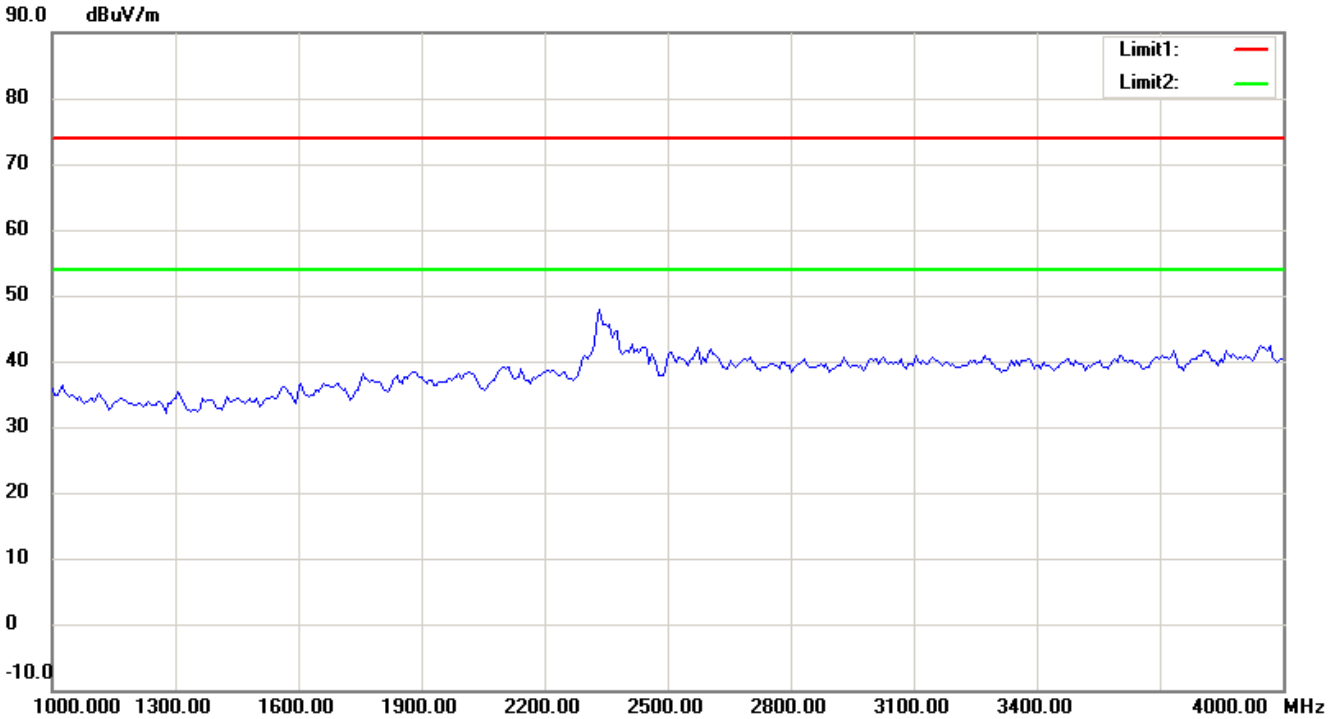
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna Polarization V

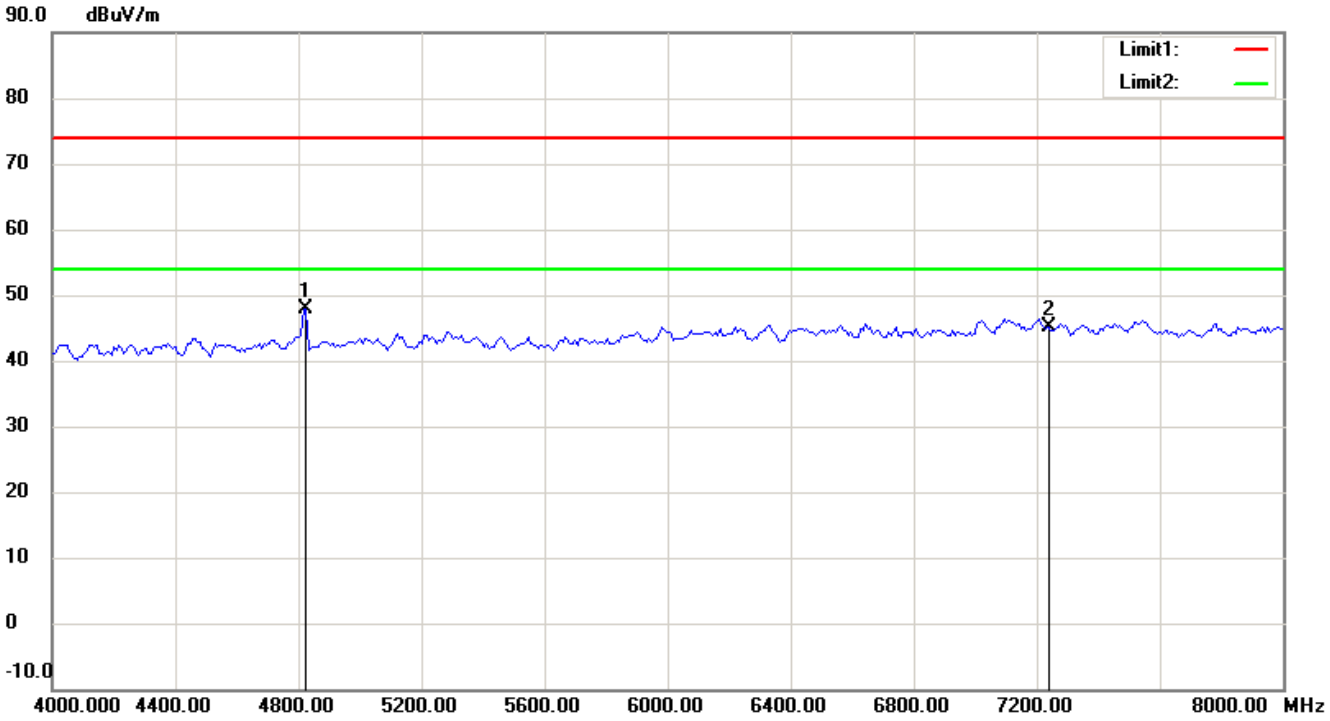


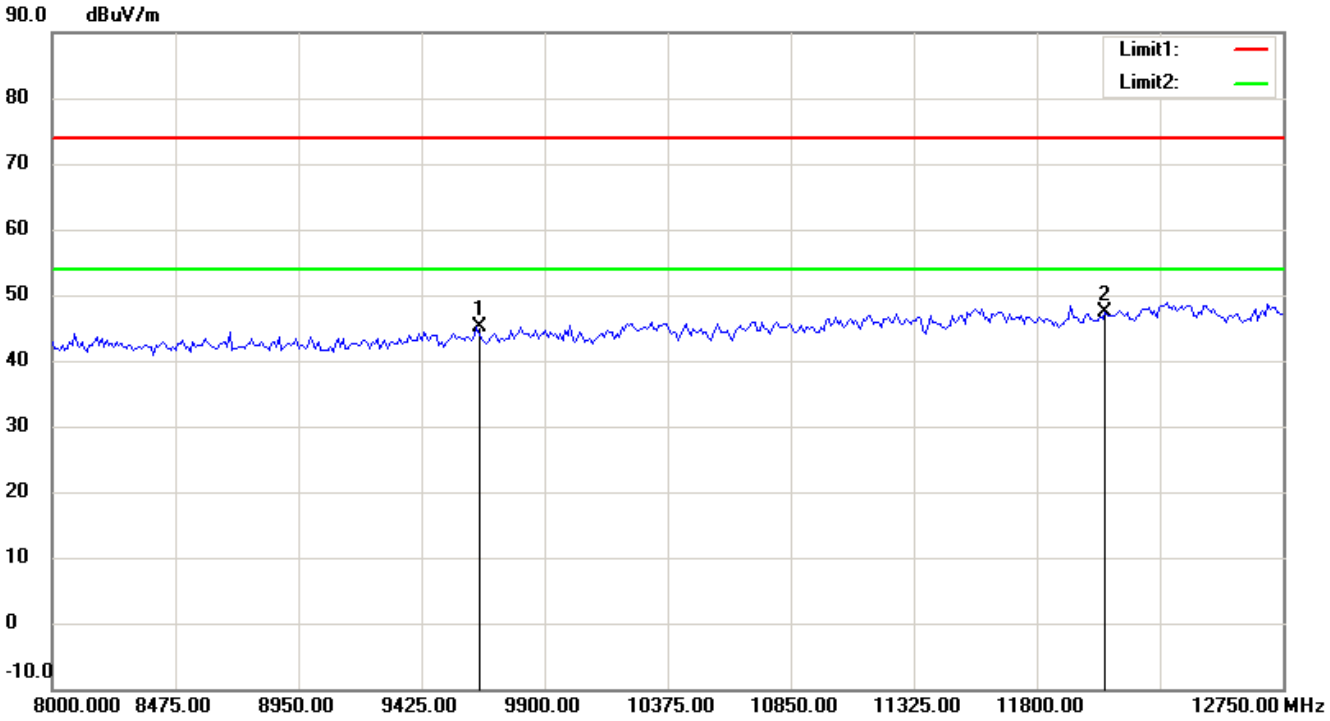


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

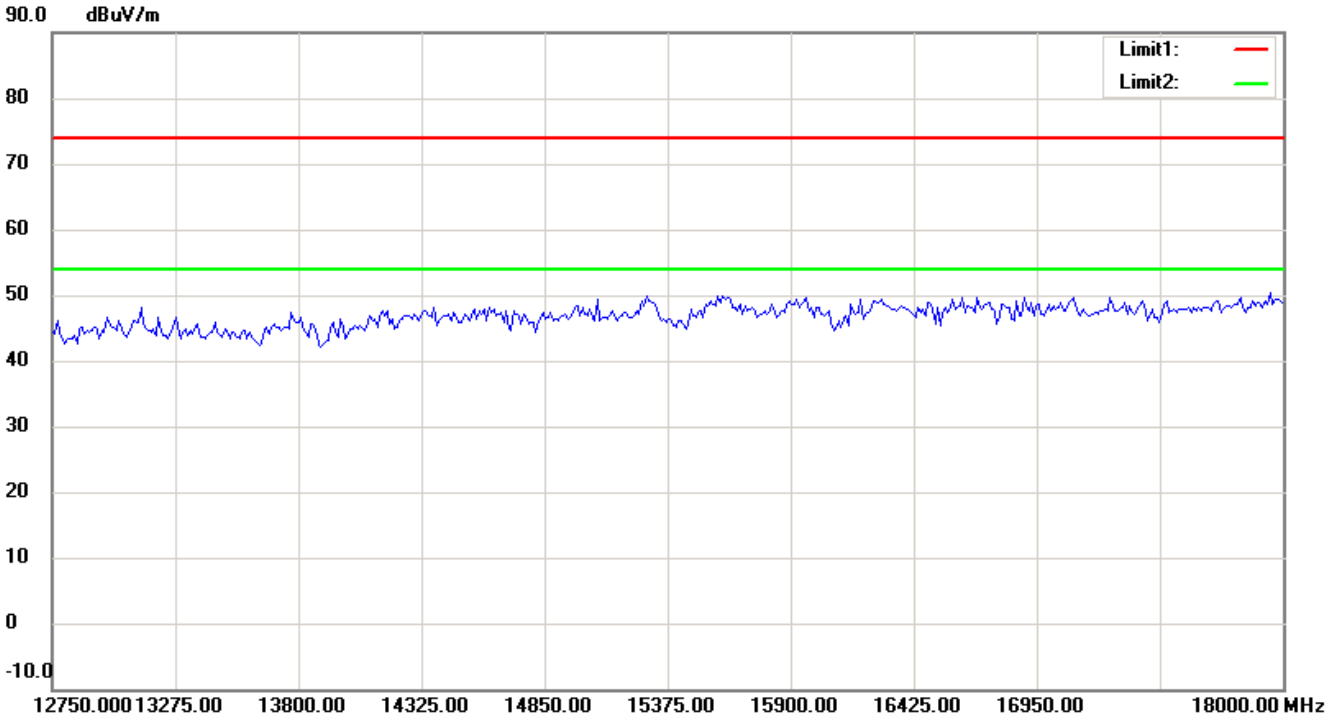


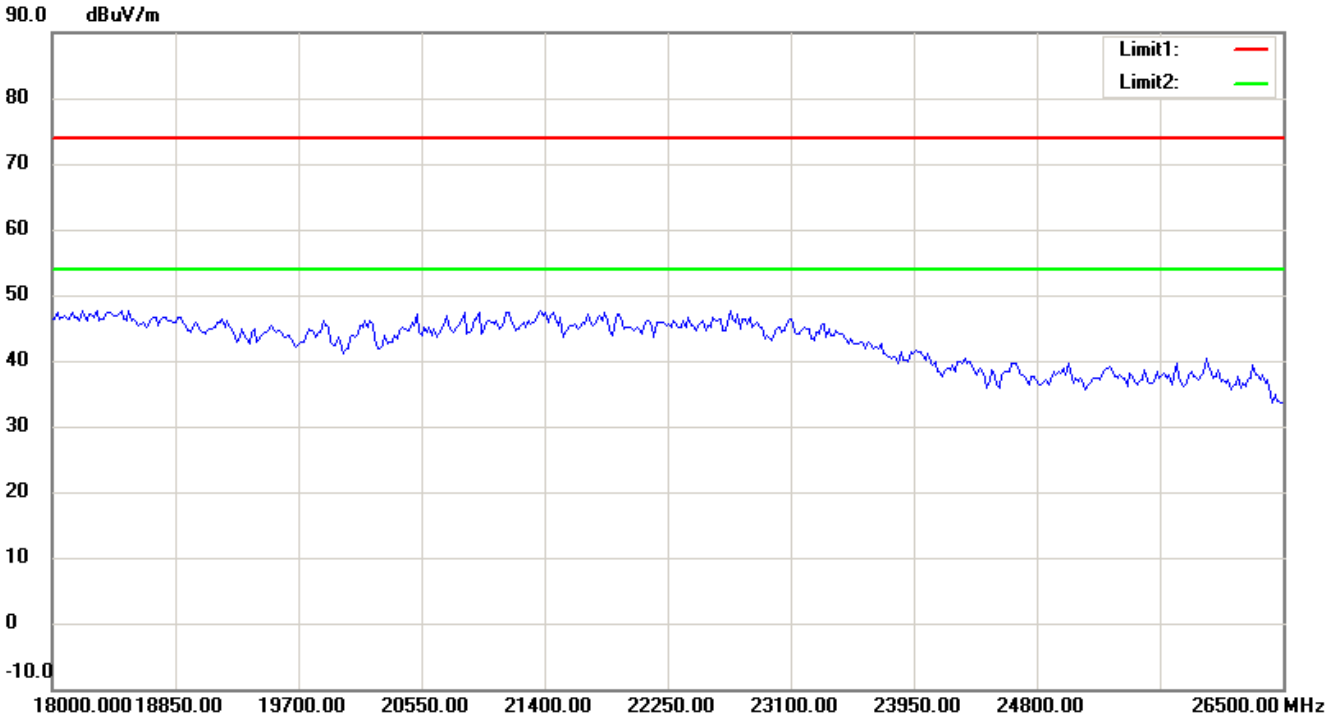


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



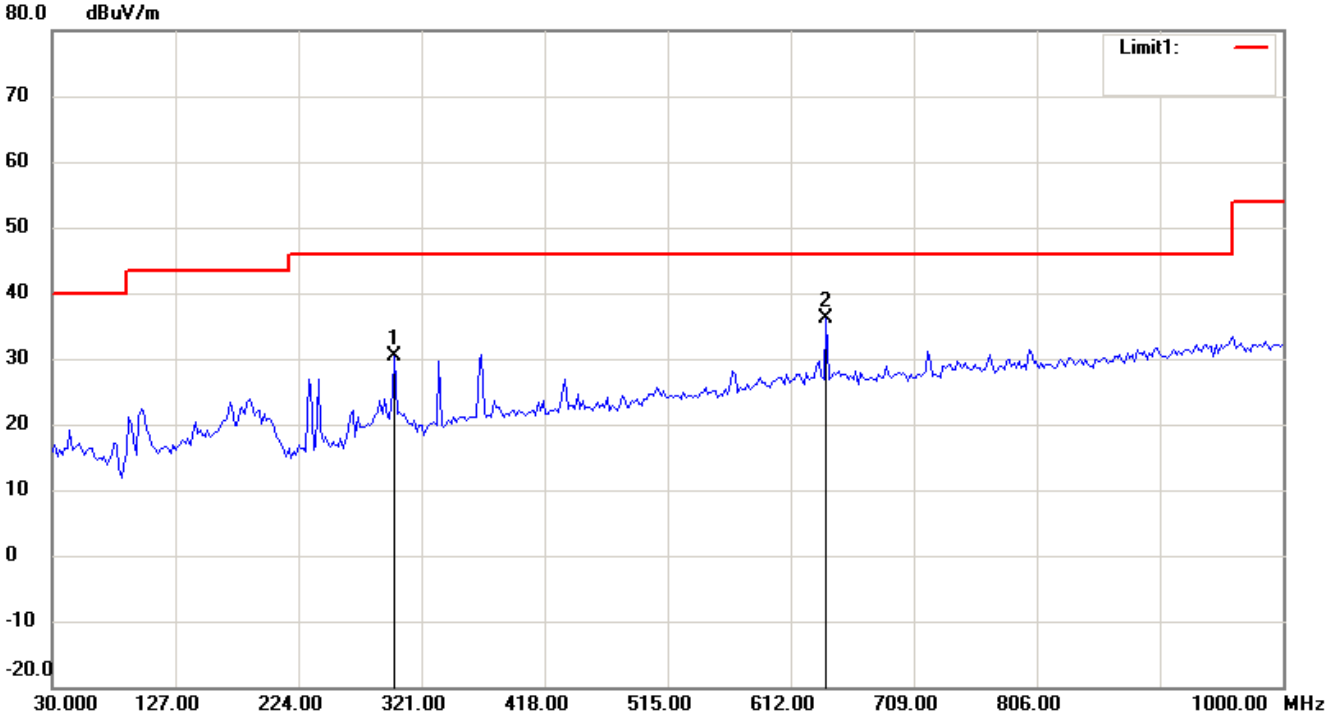


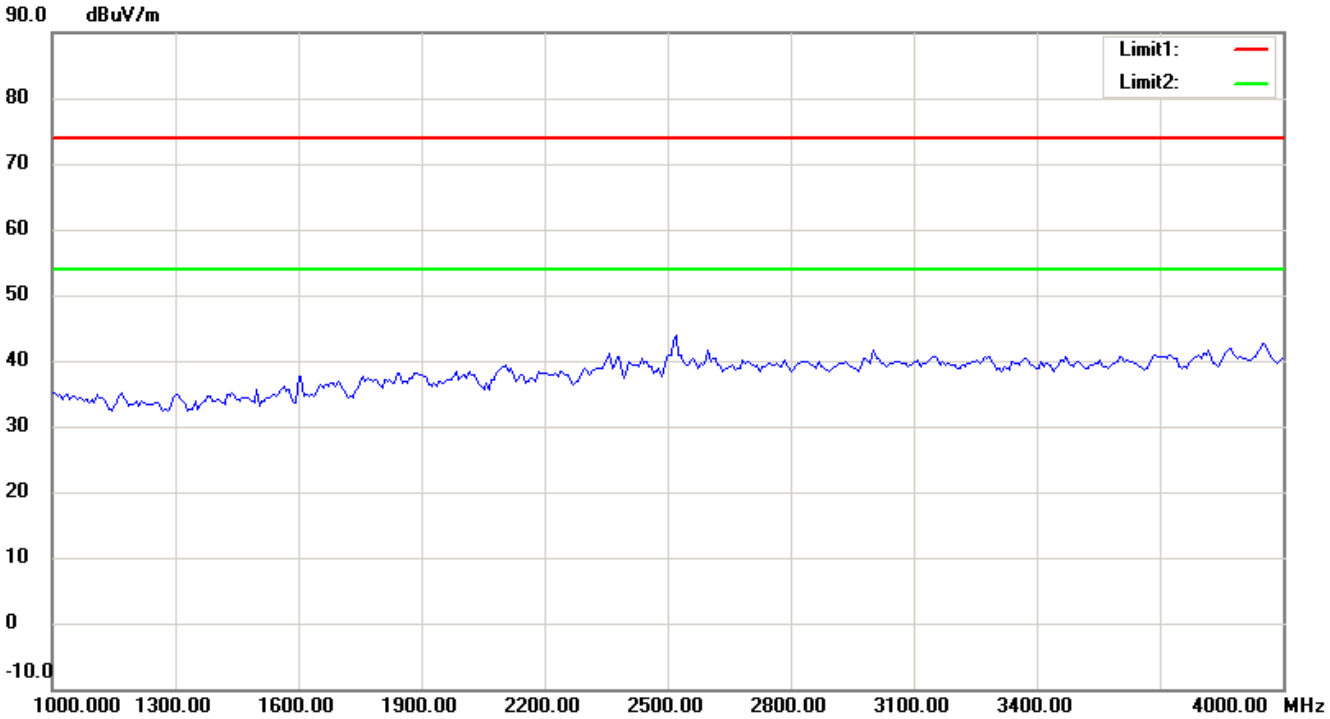
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11b 2437MHz
Antenna Polarization H

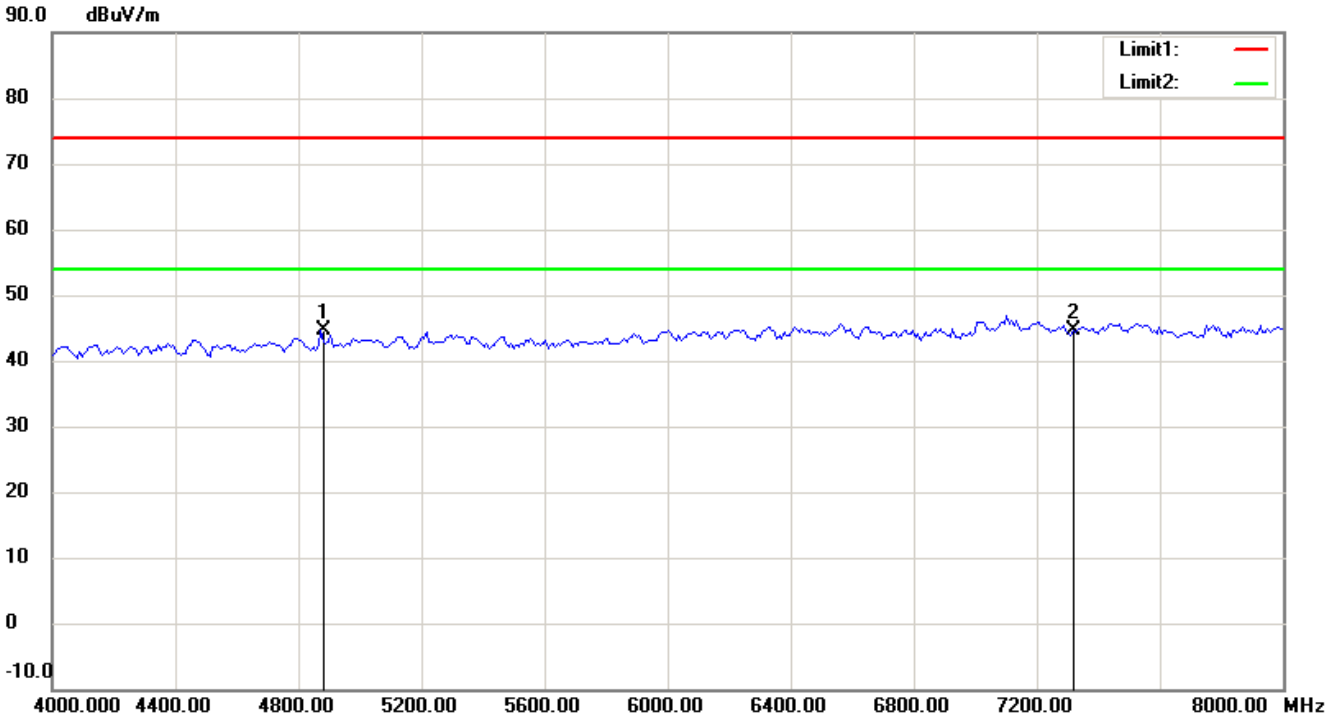


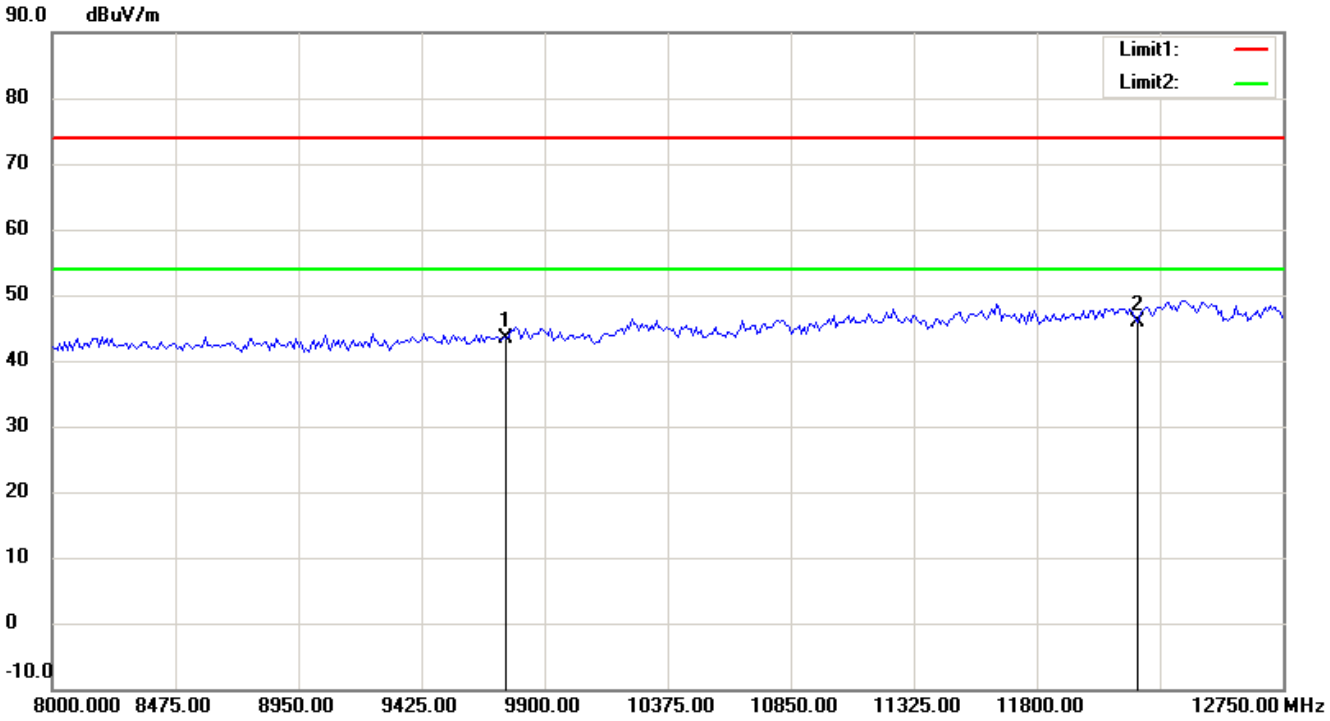


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

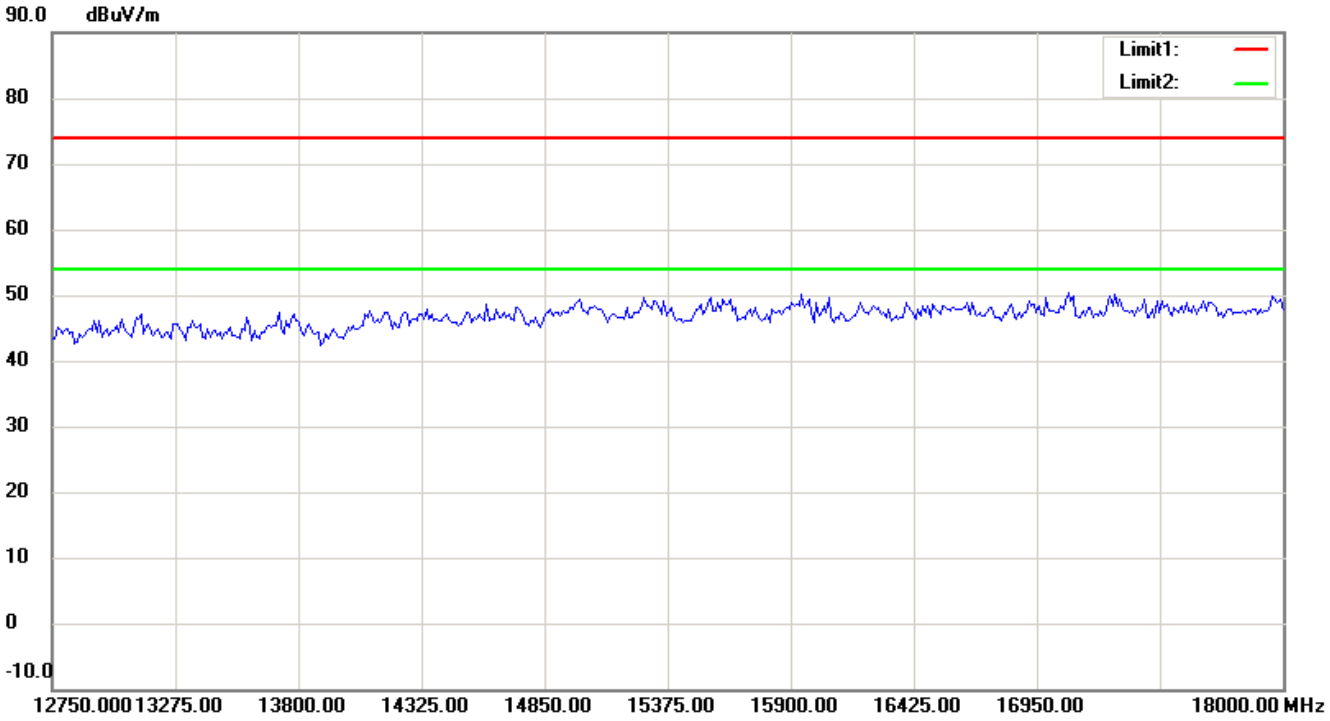


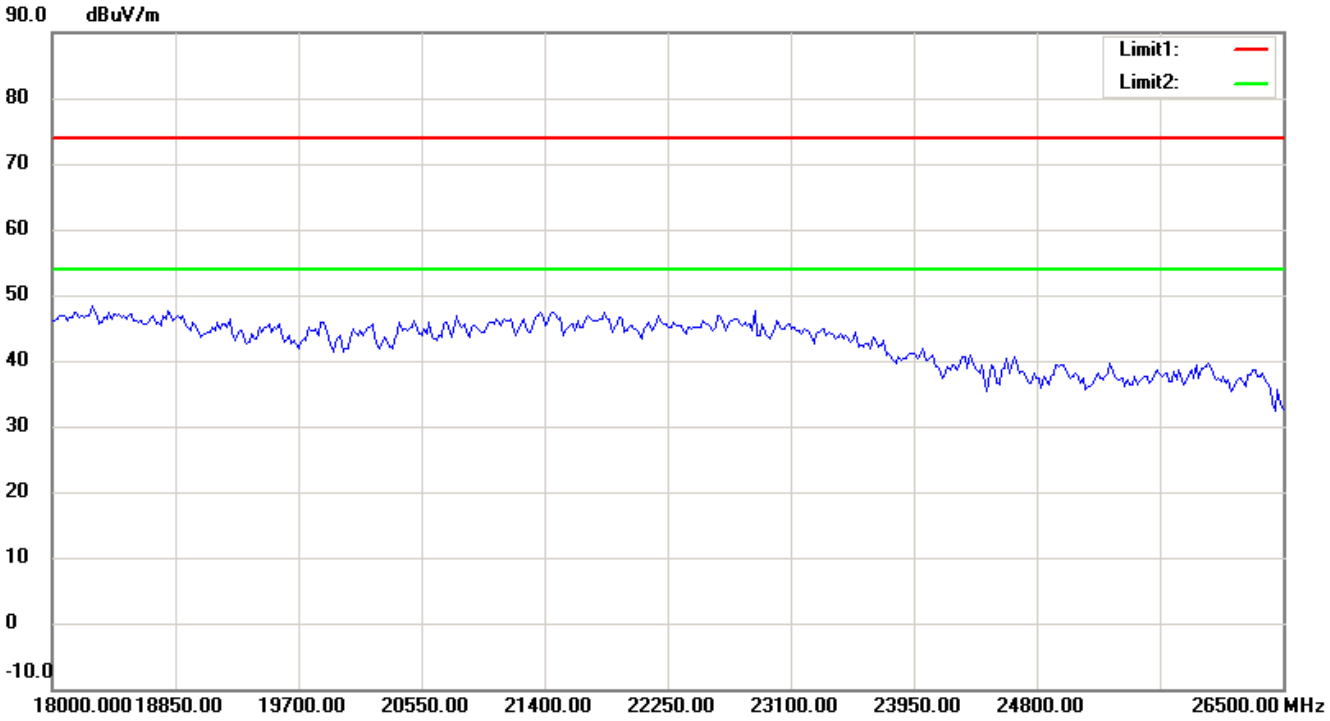


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



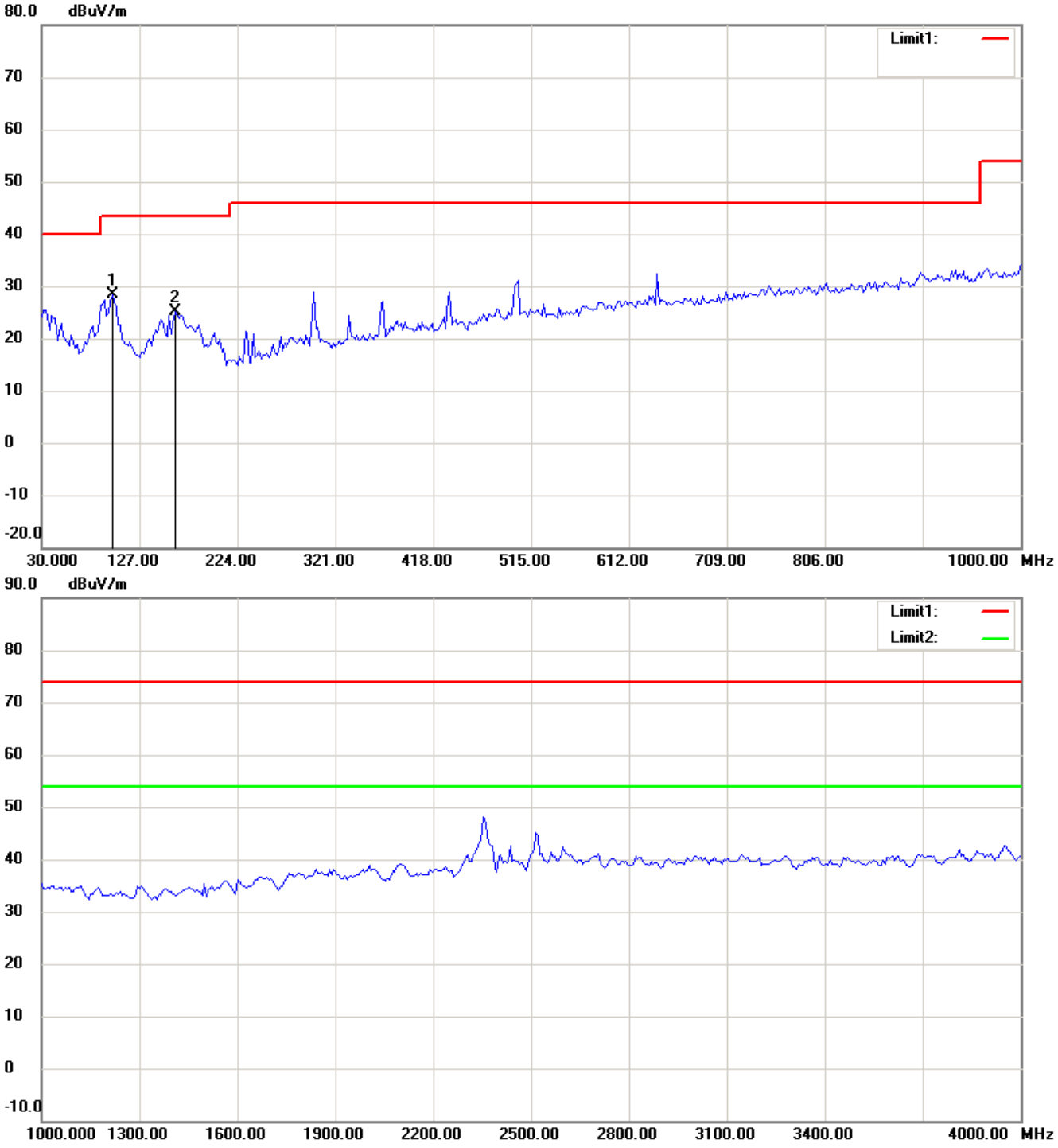


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

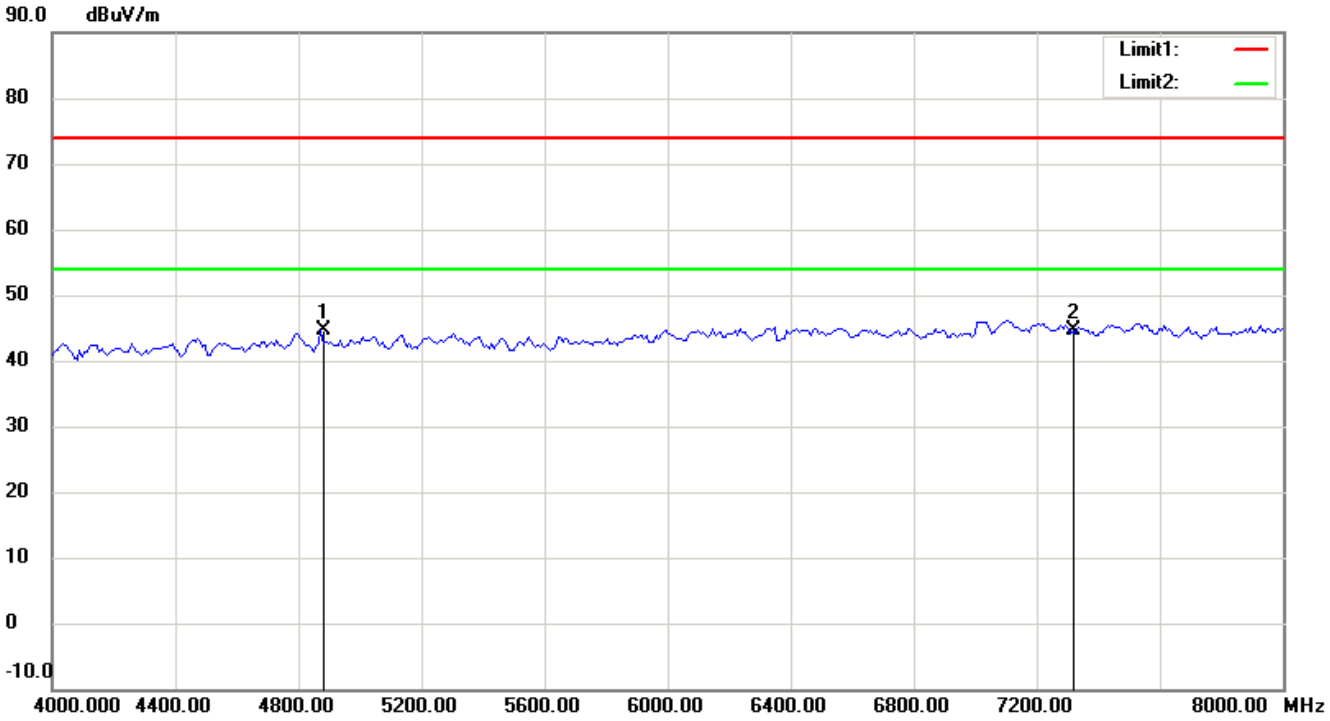
Antenna Polarization V

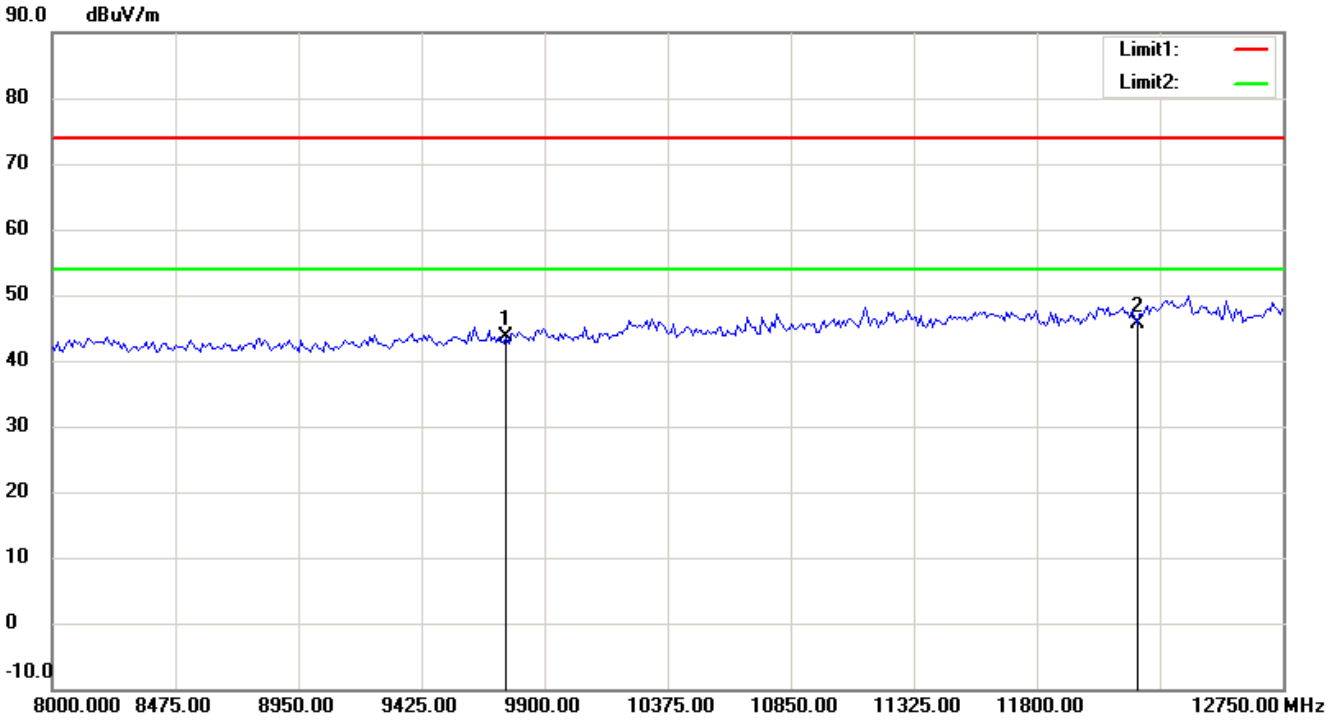


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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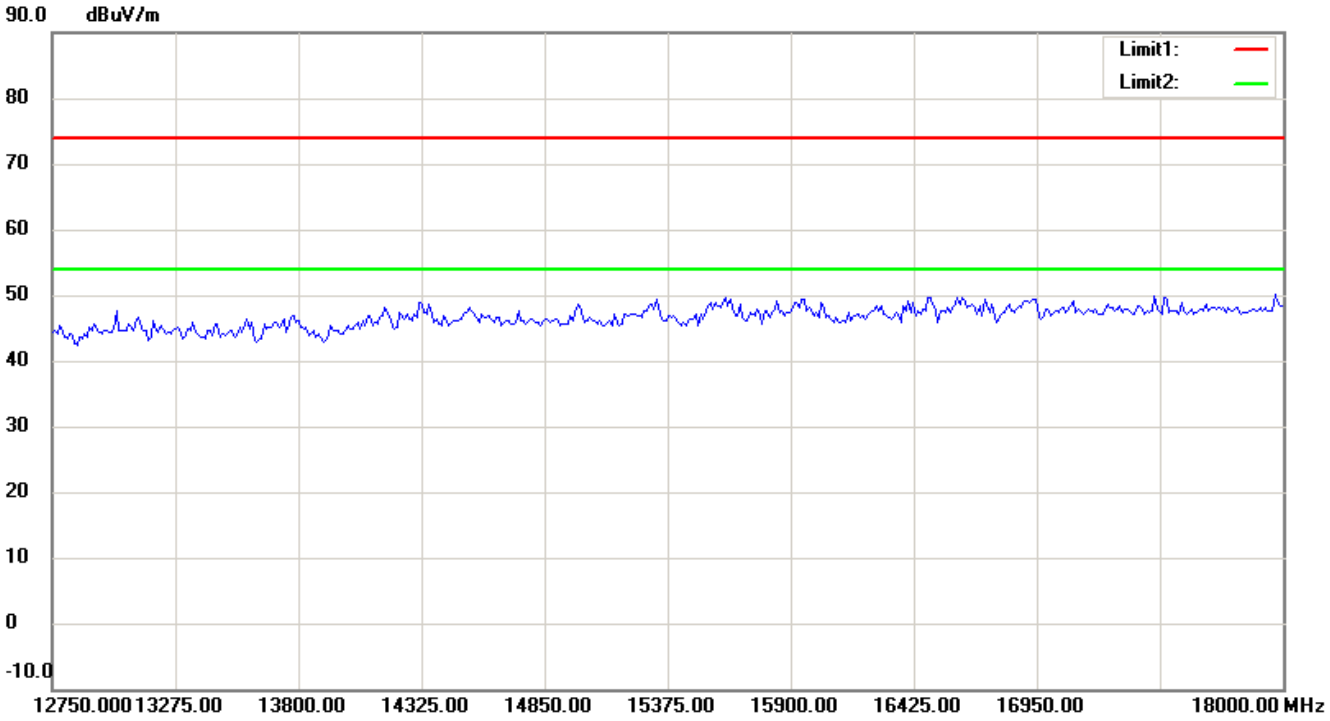
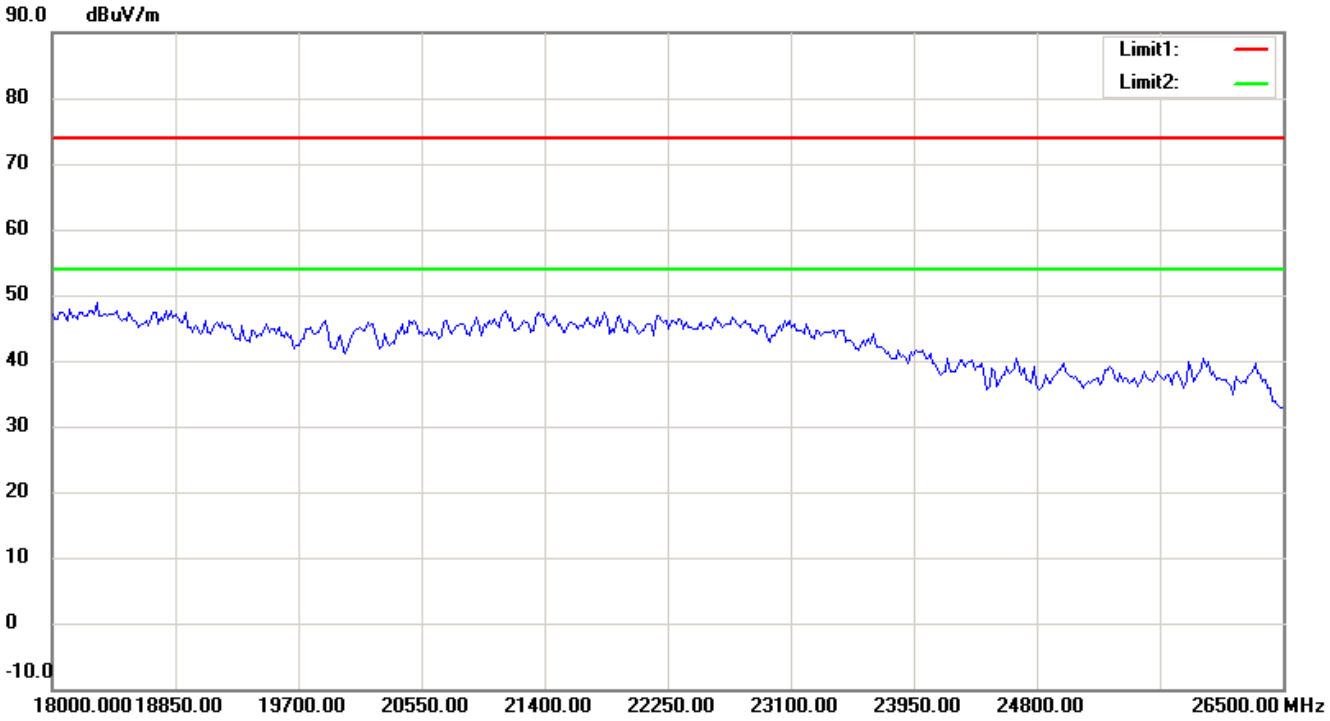


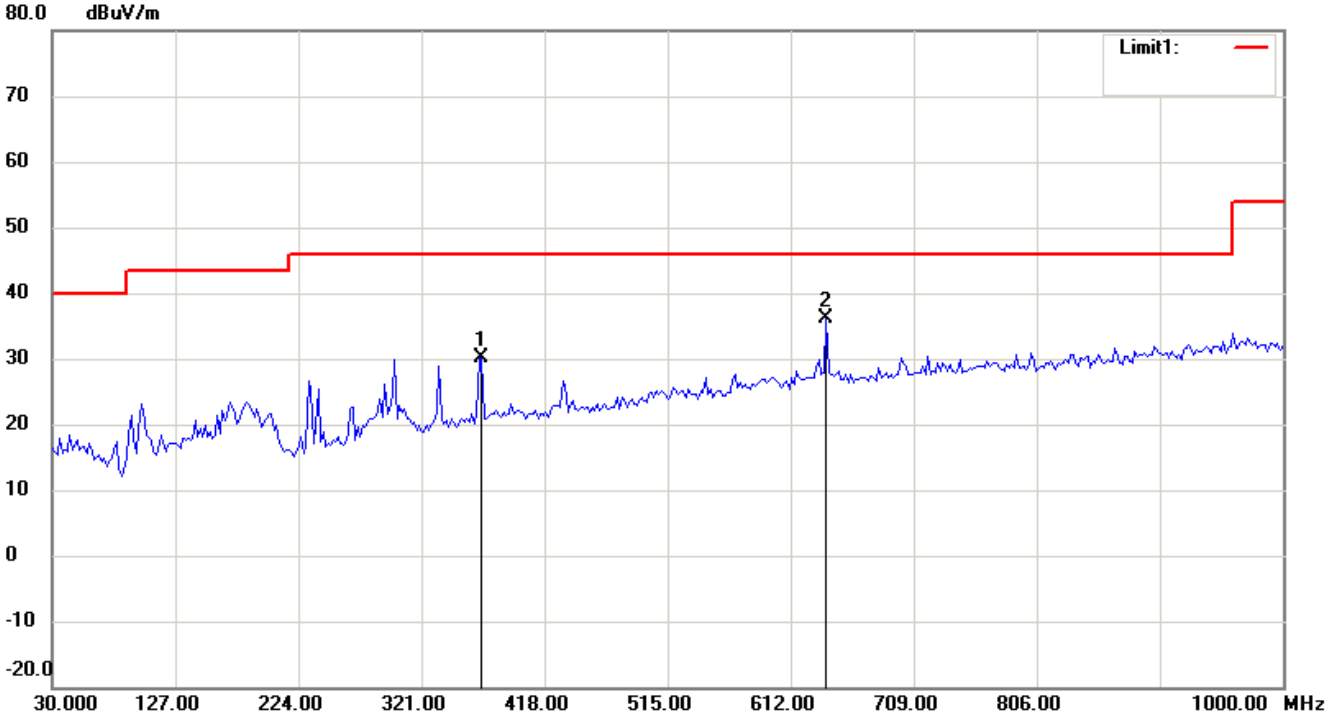


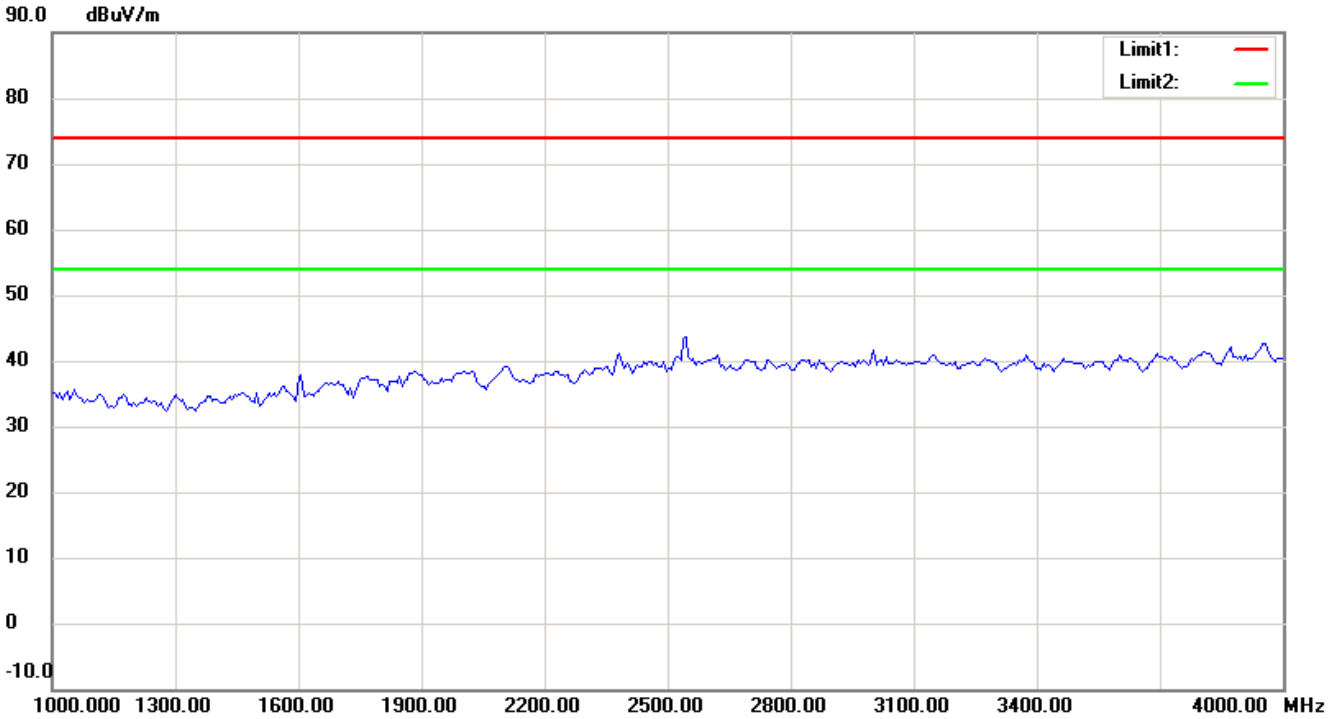
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11b 2462MHz
Antenna Polarization H

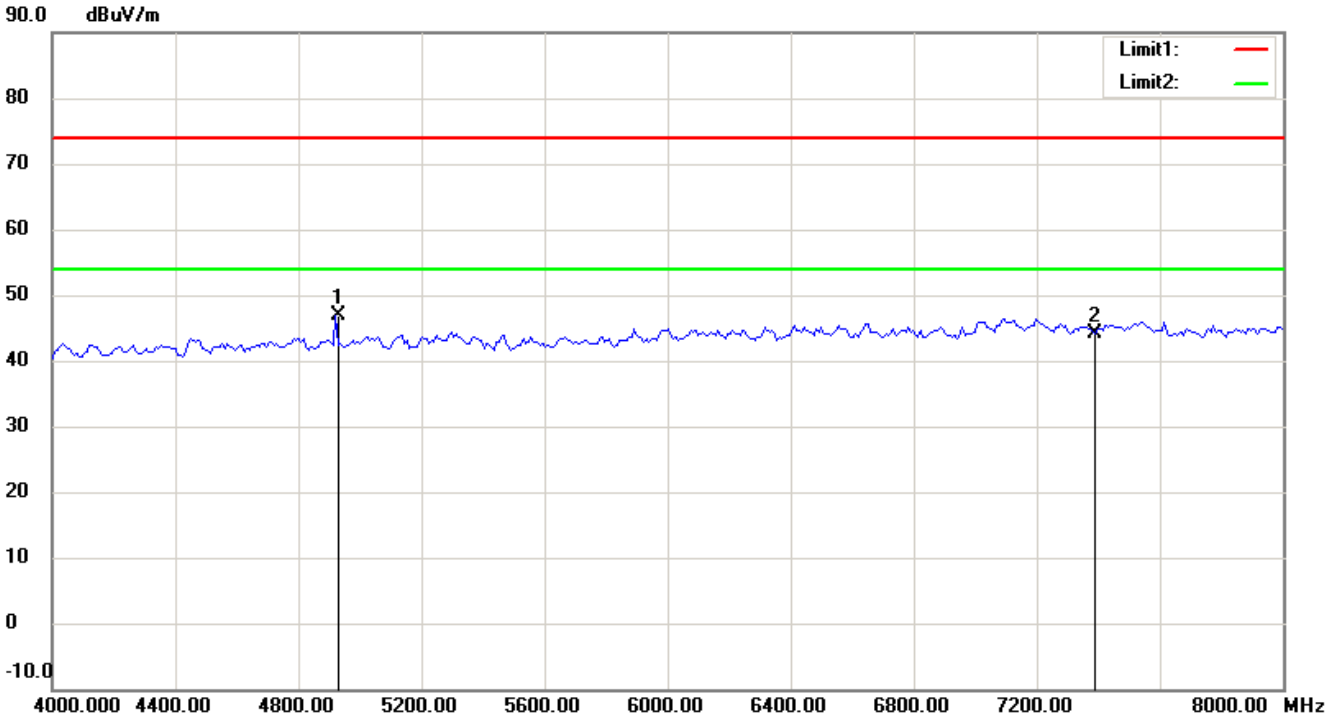


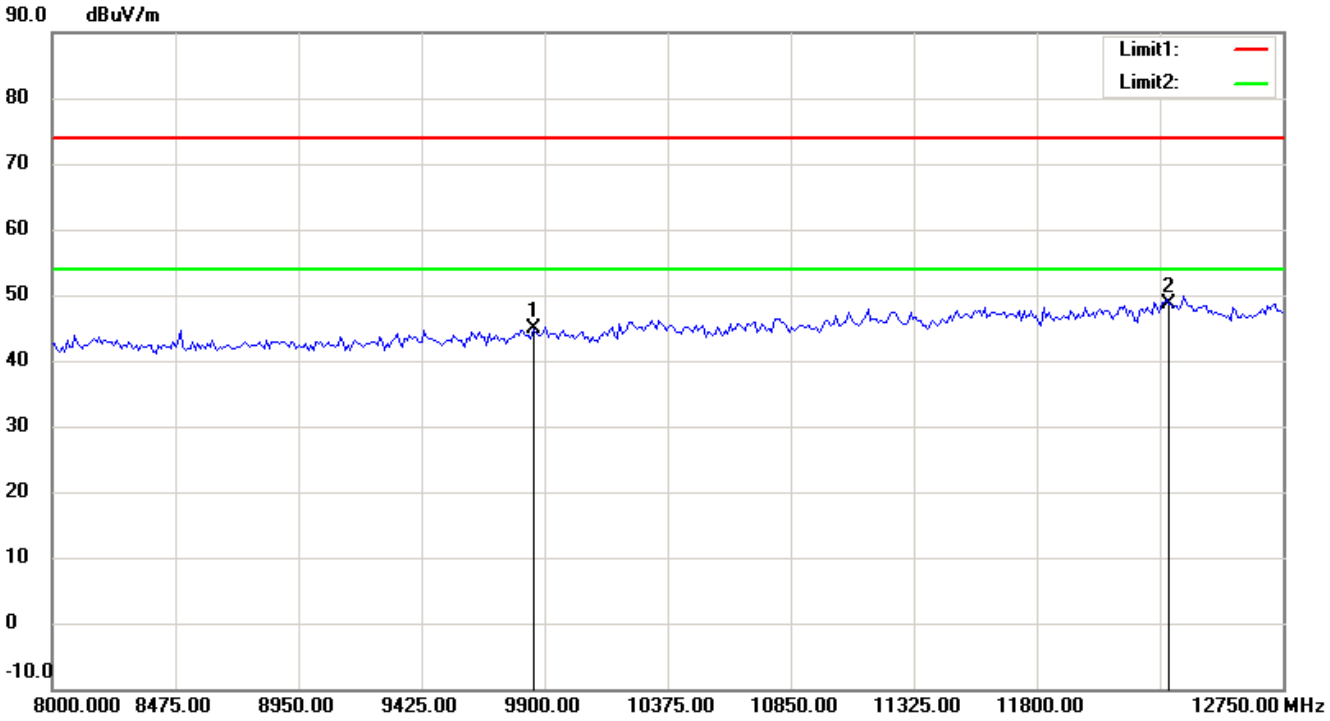


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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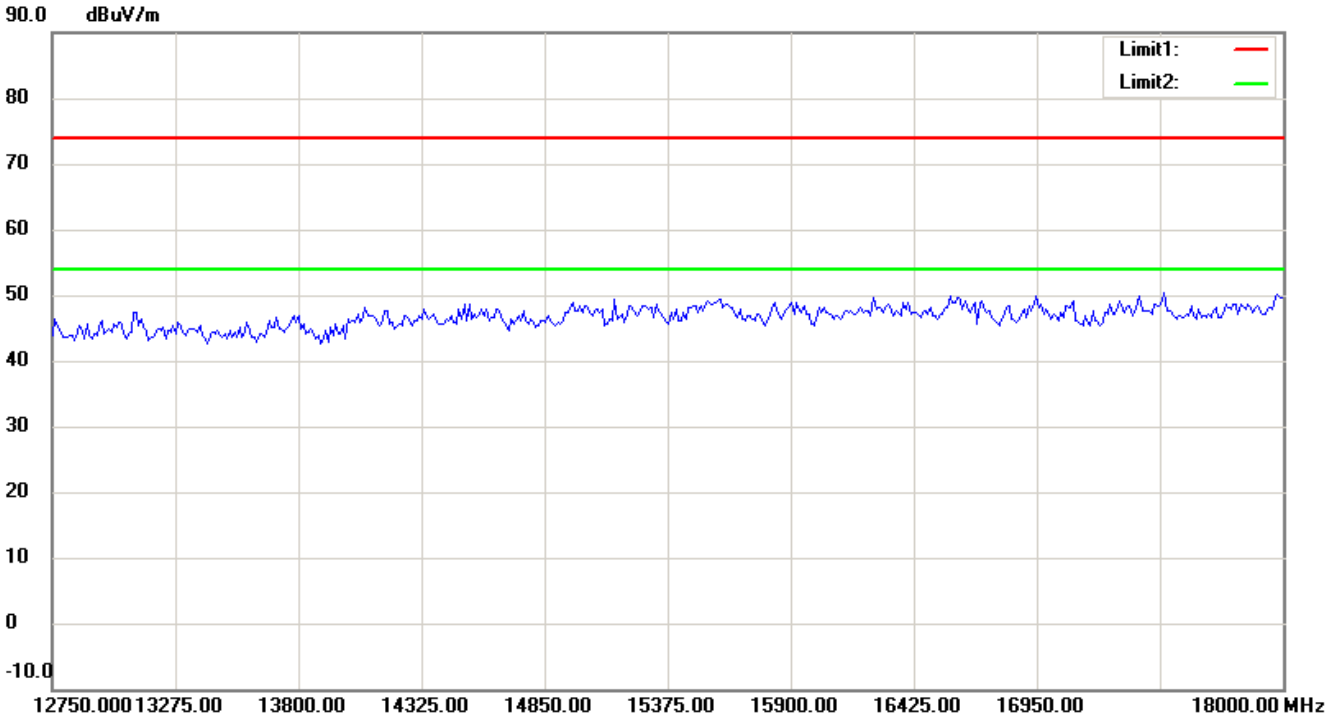
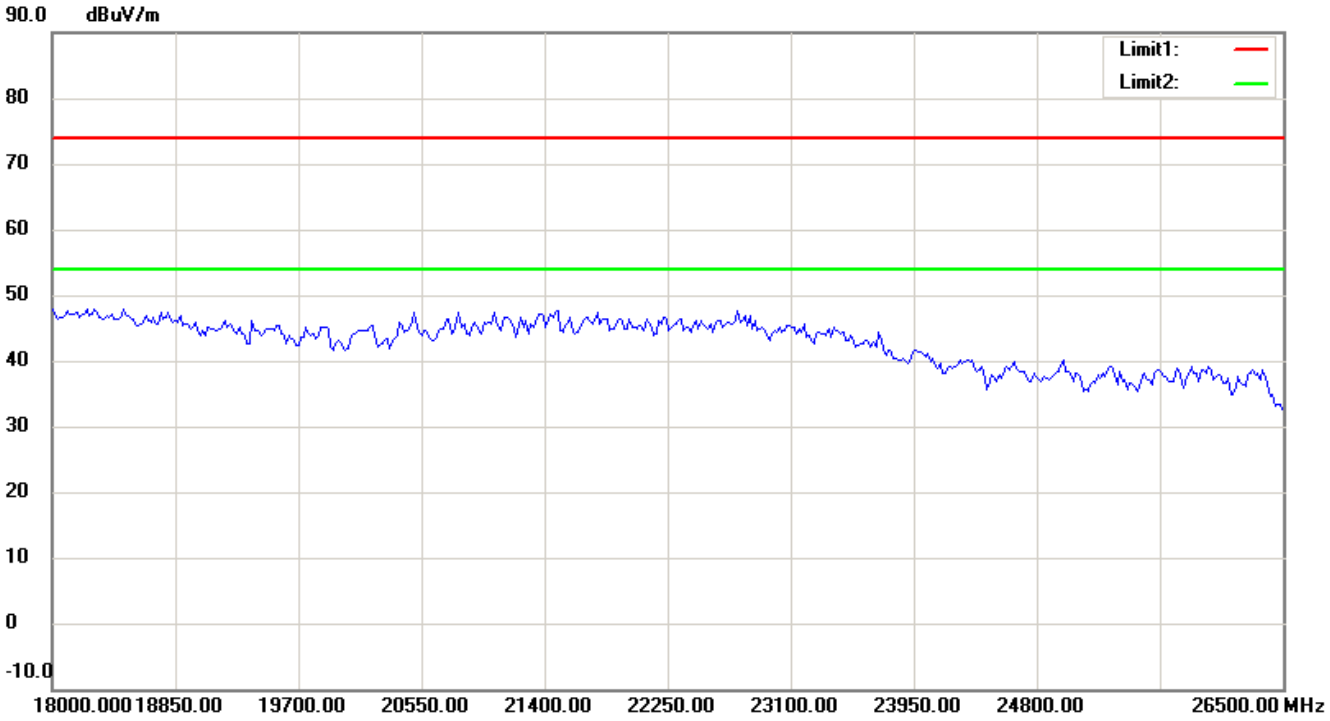
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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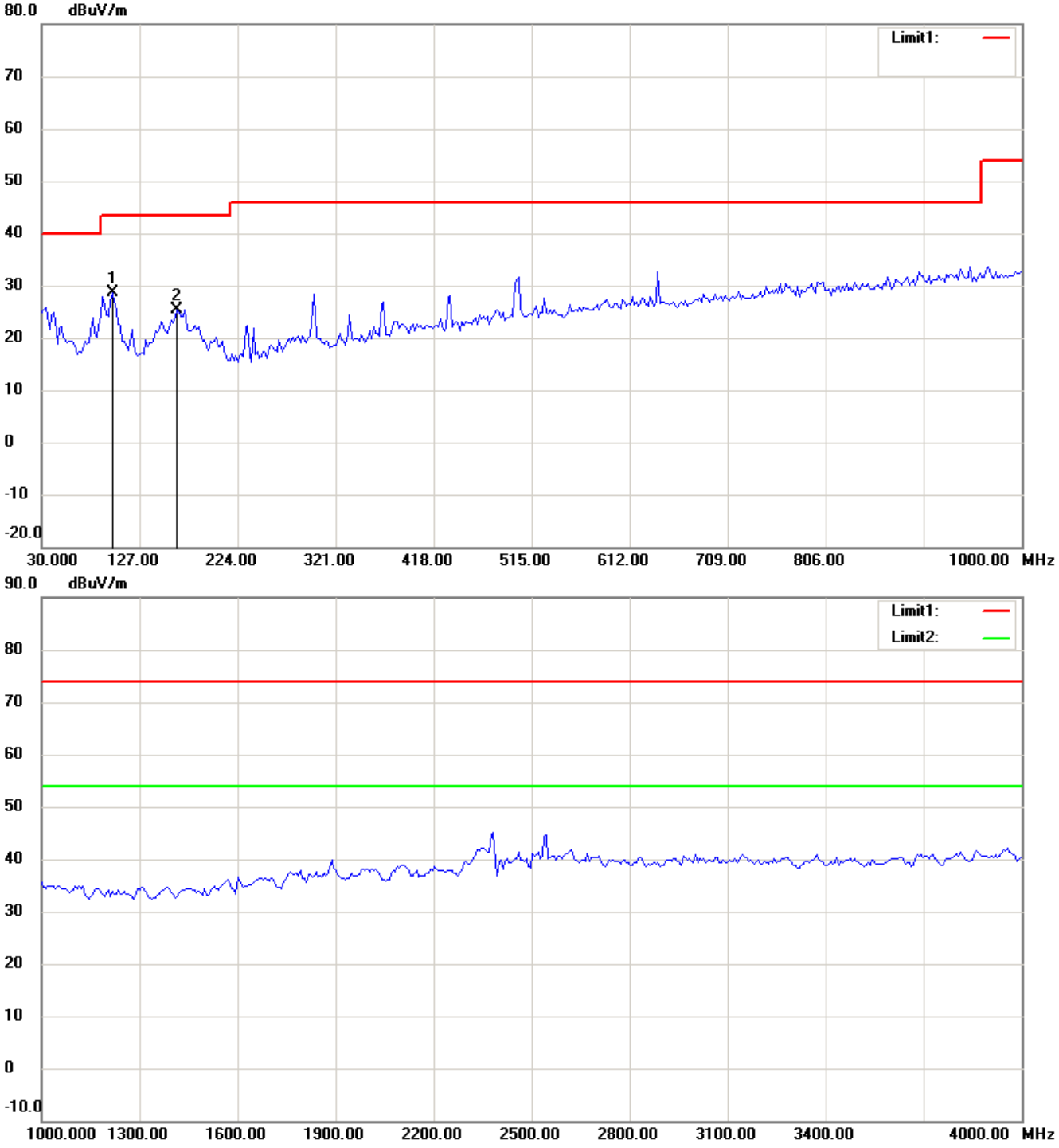
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

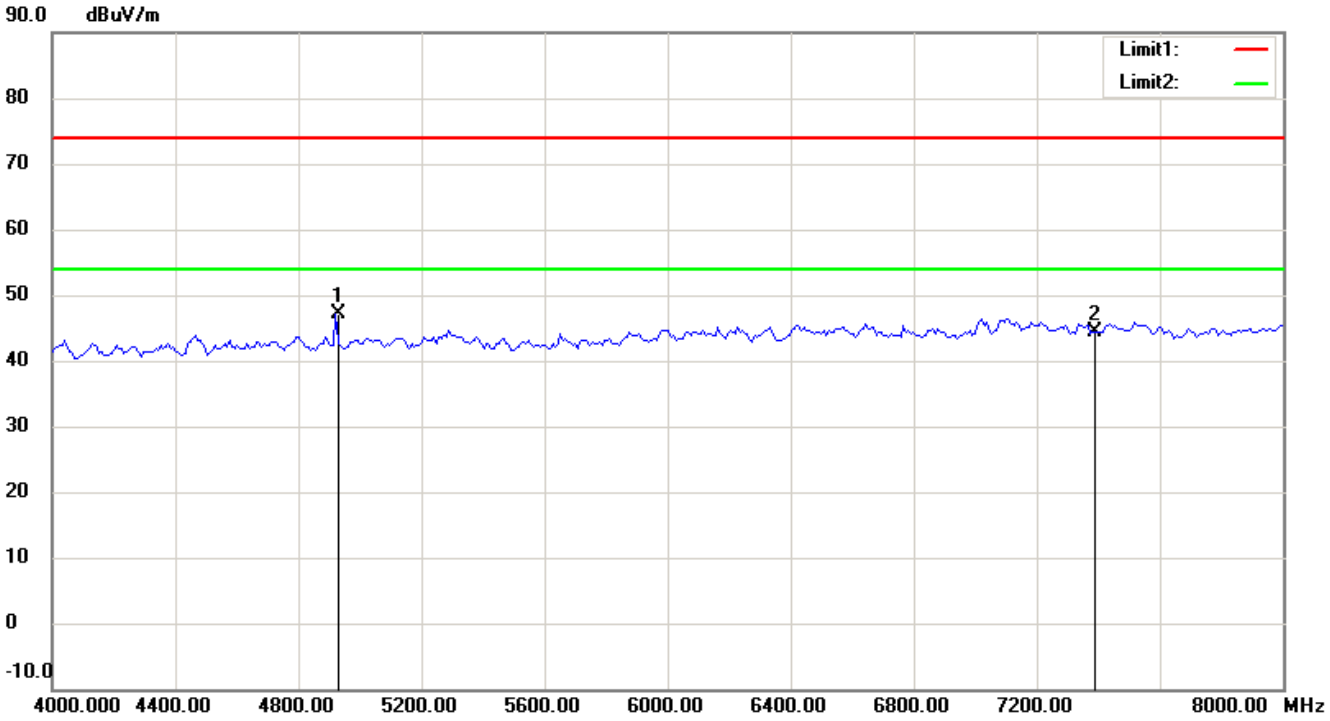
Antenna Polarization V

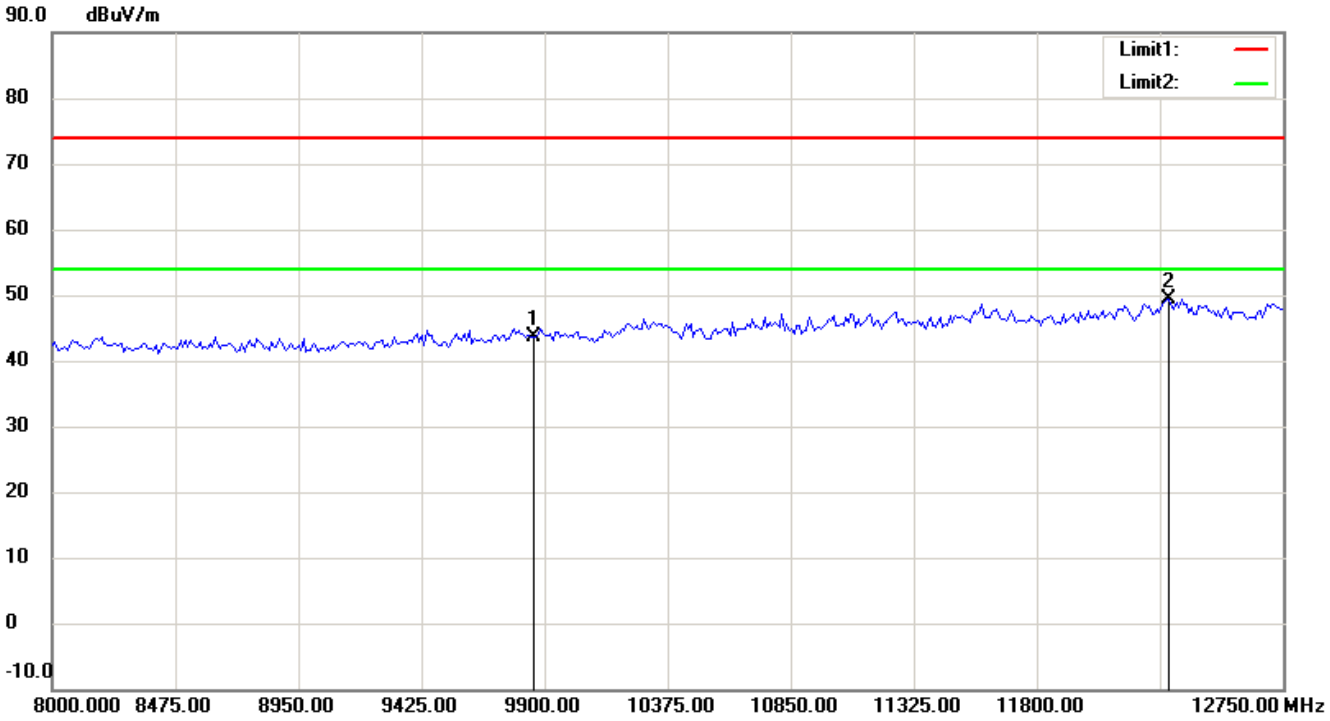


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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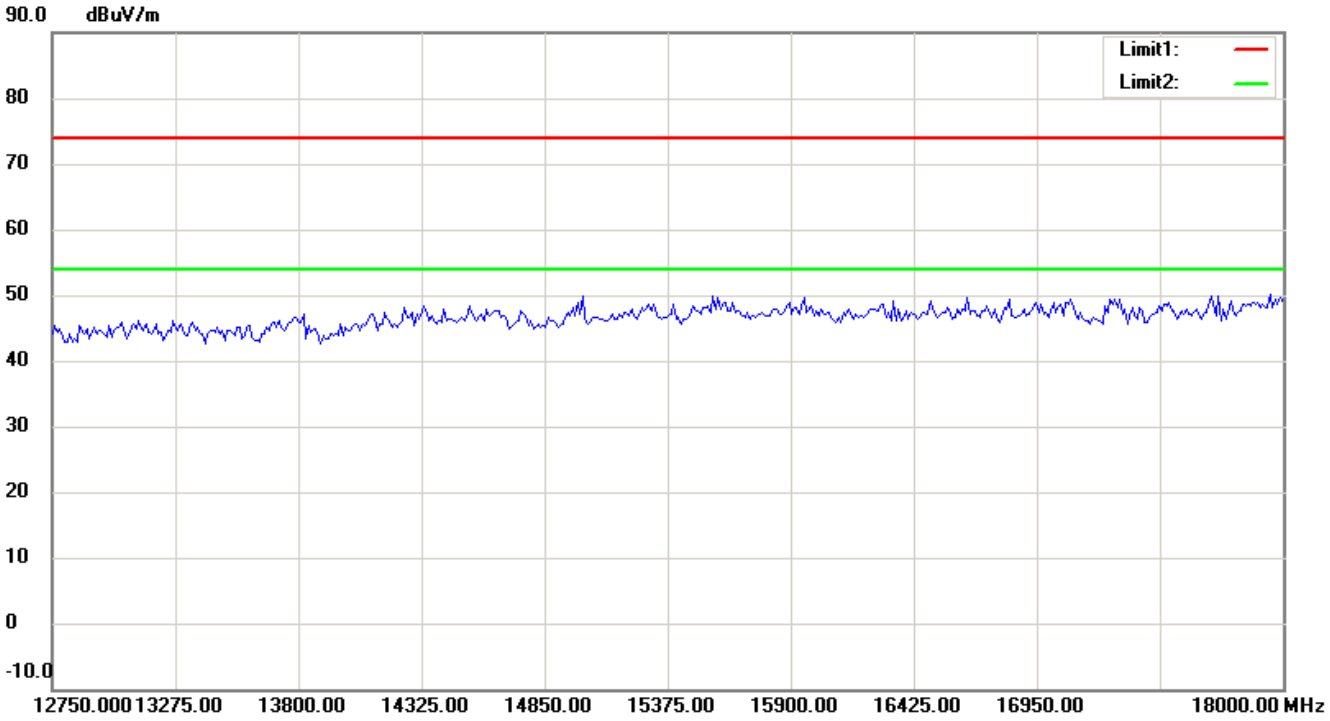
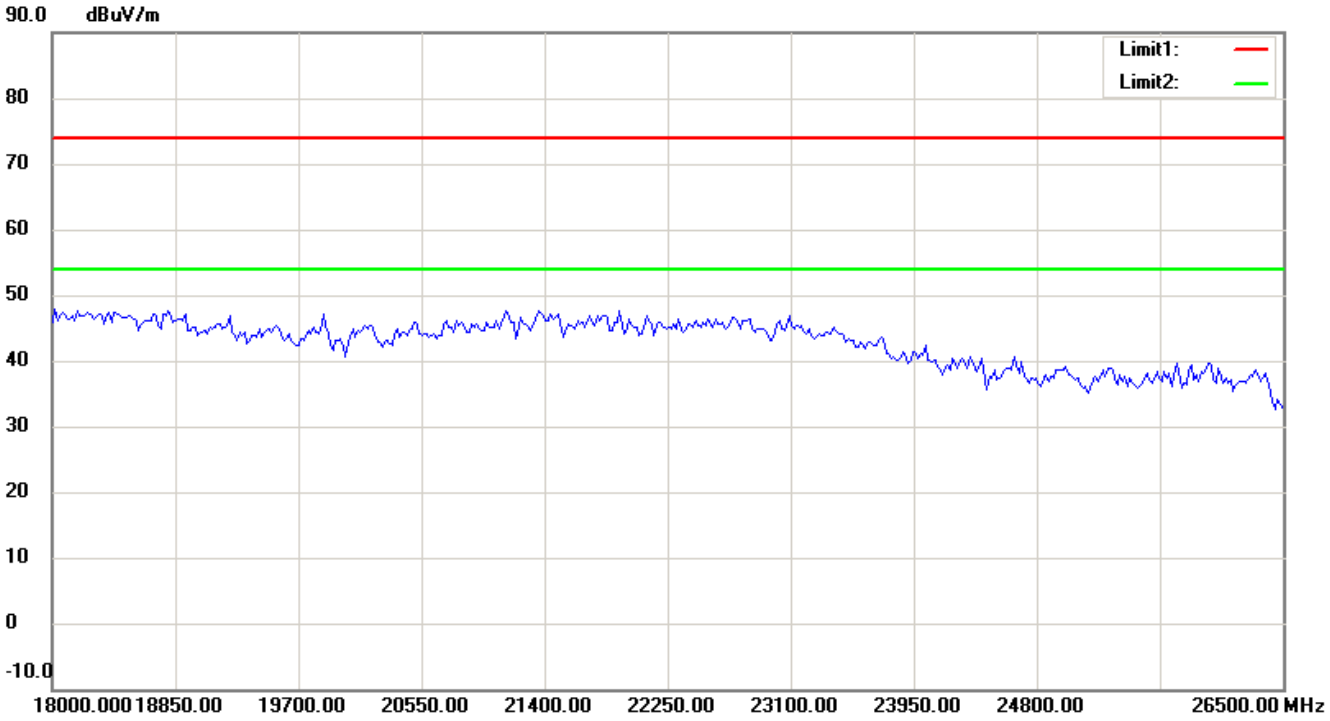
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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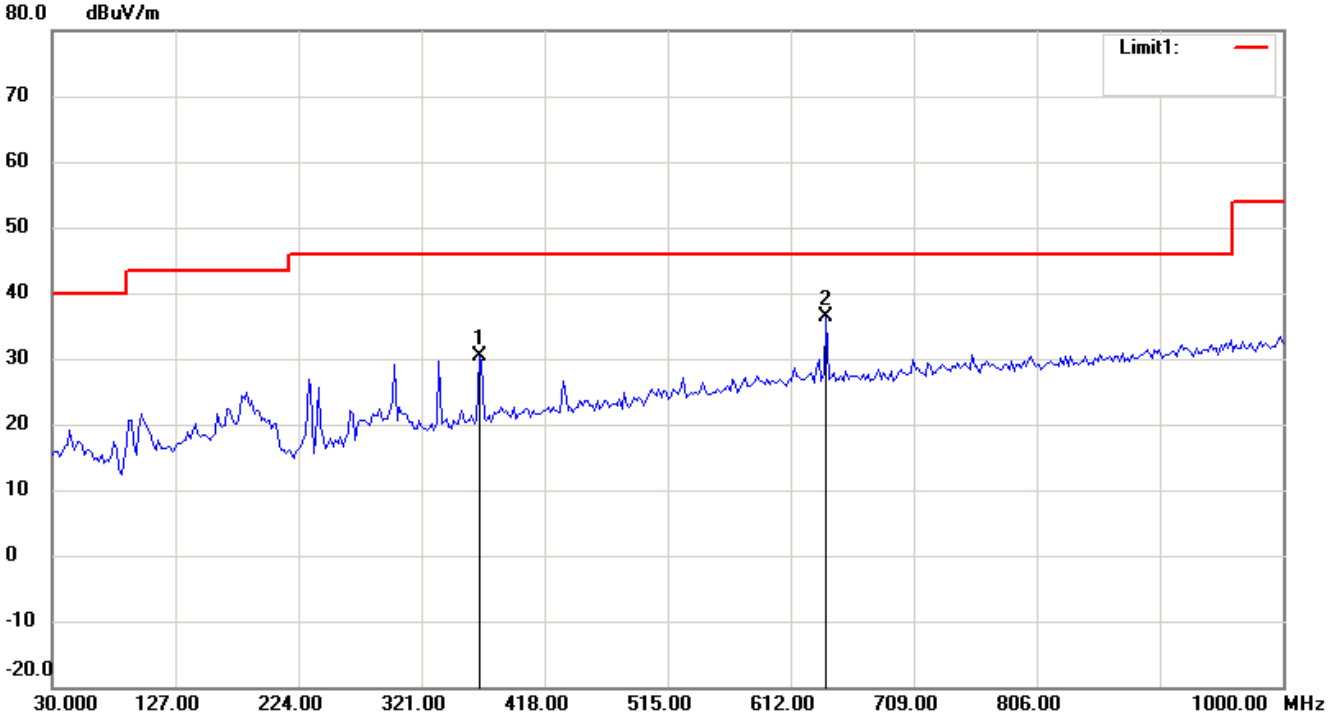
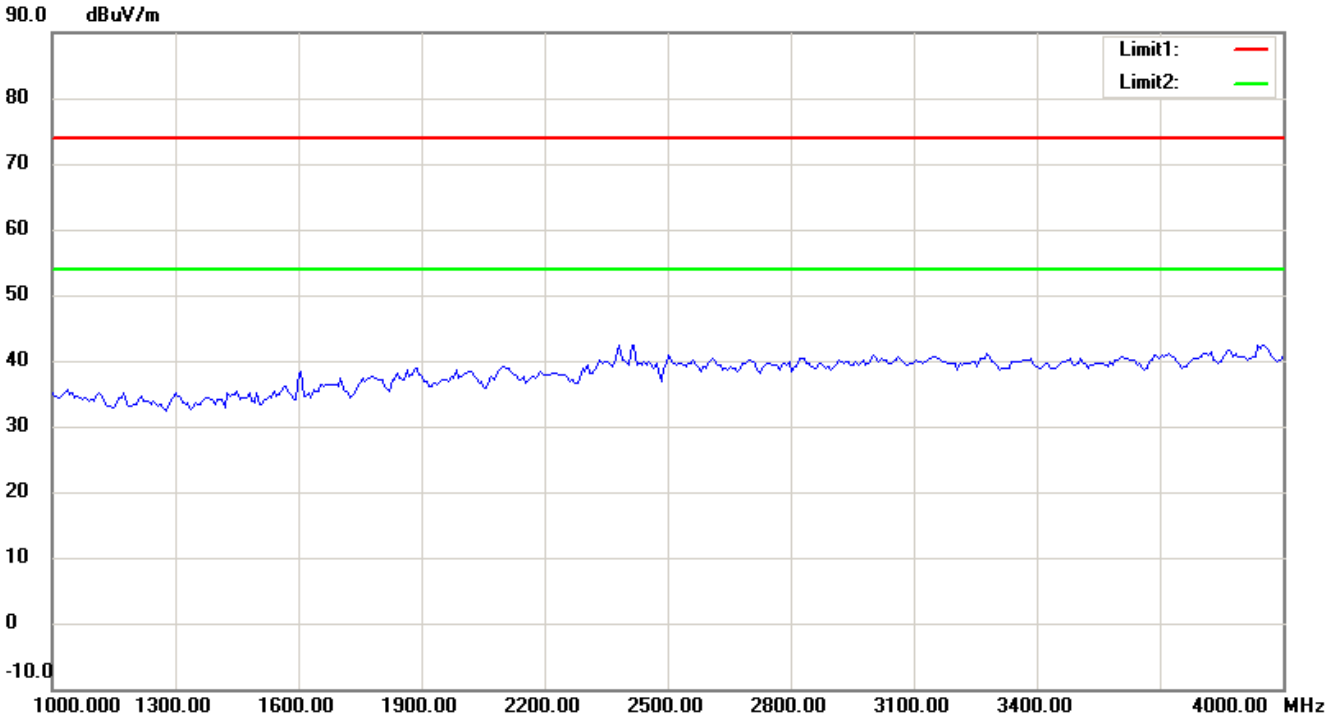
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11g 2412MHz
Antenna Polarization H





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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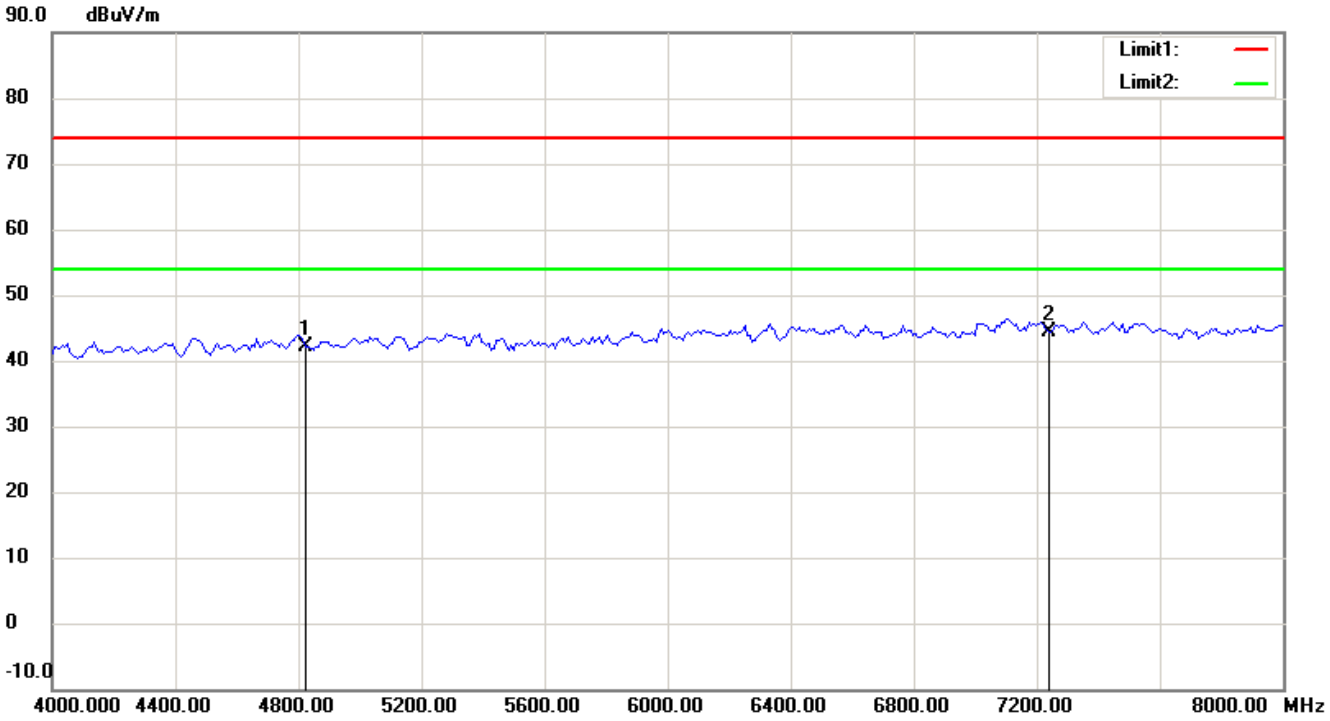
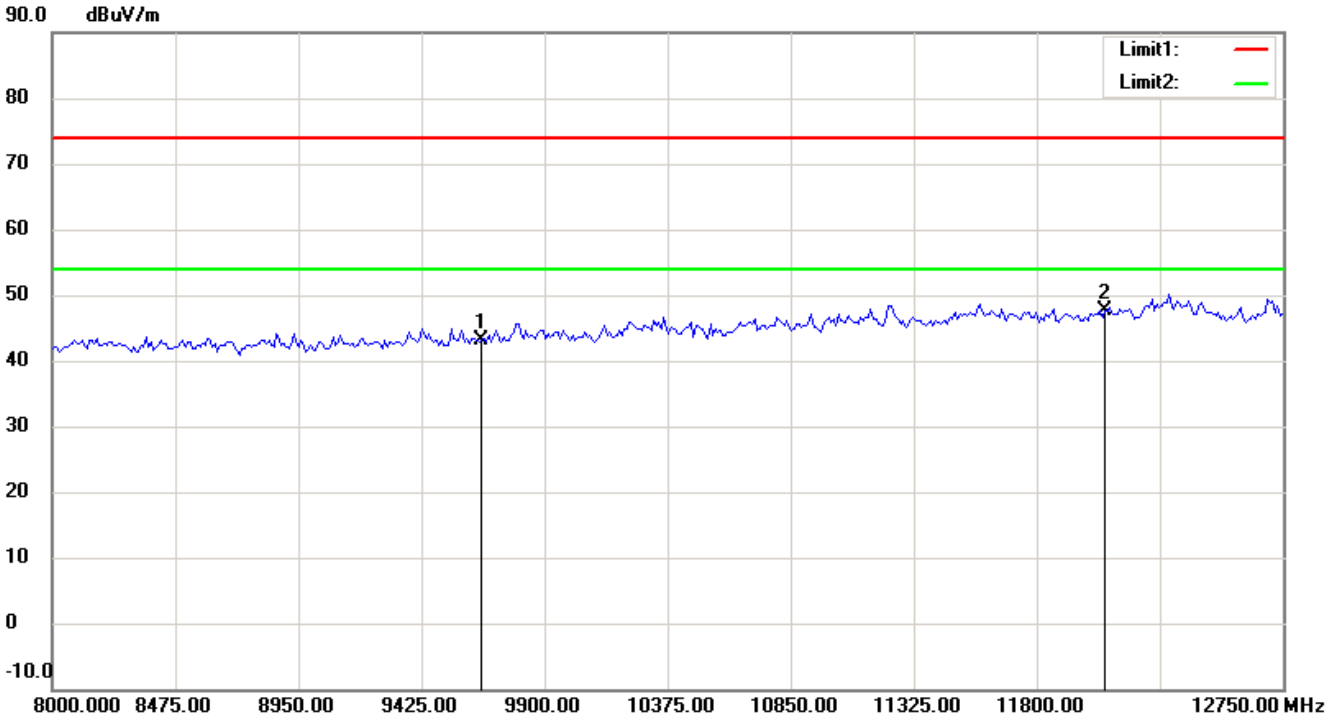
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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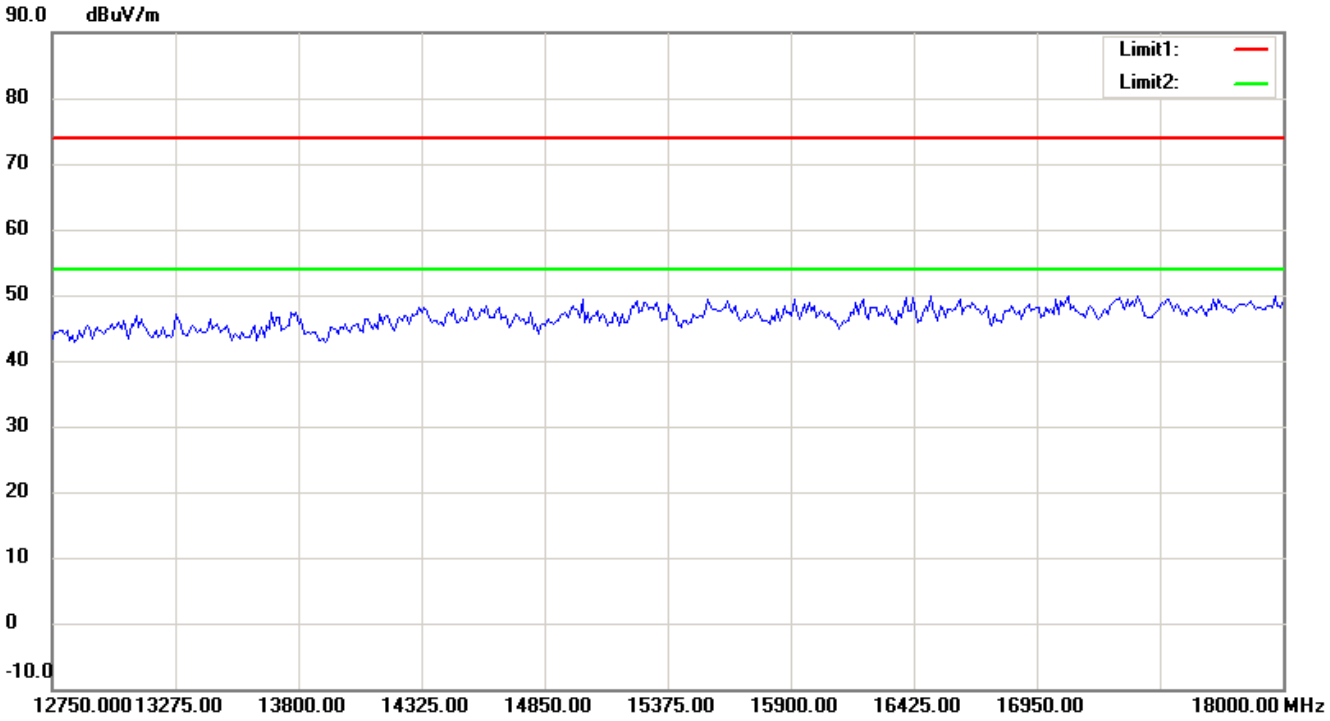
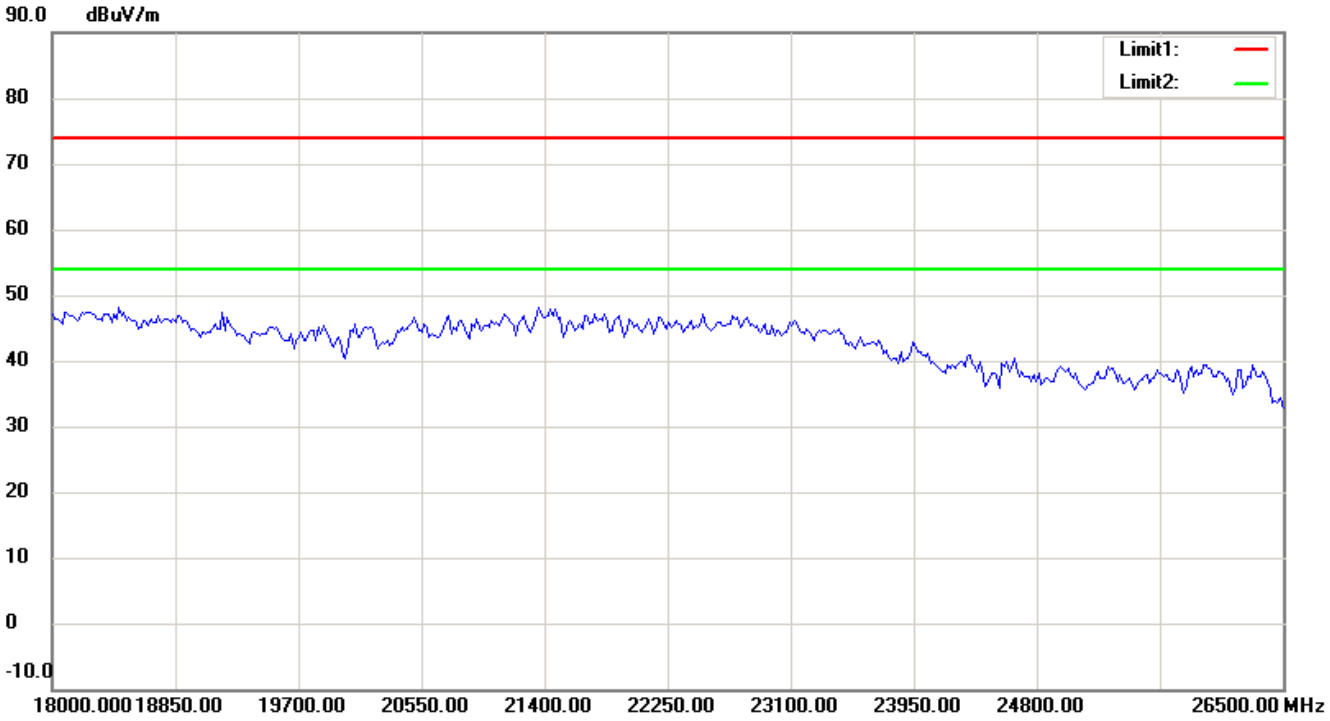
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



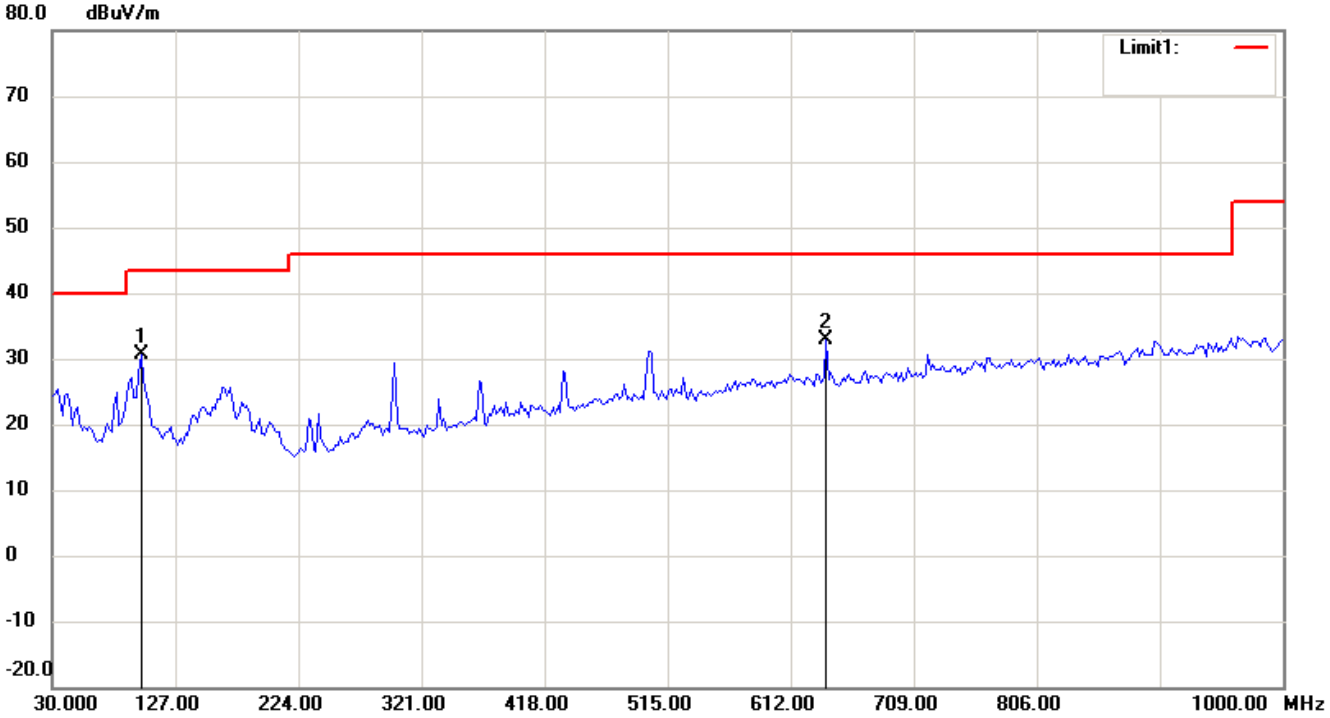


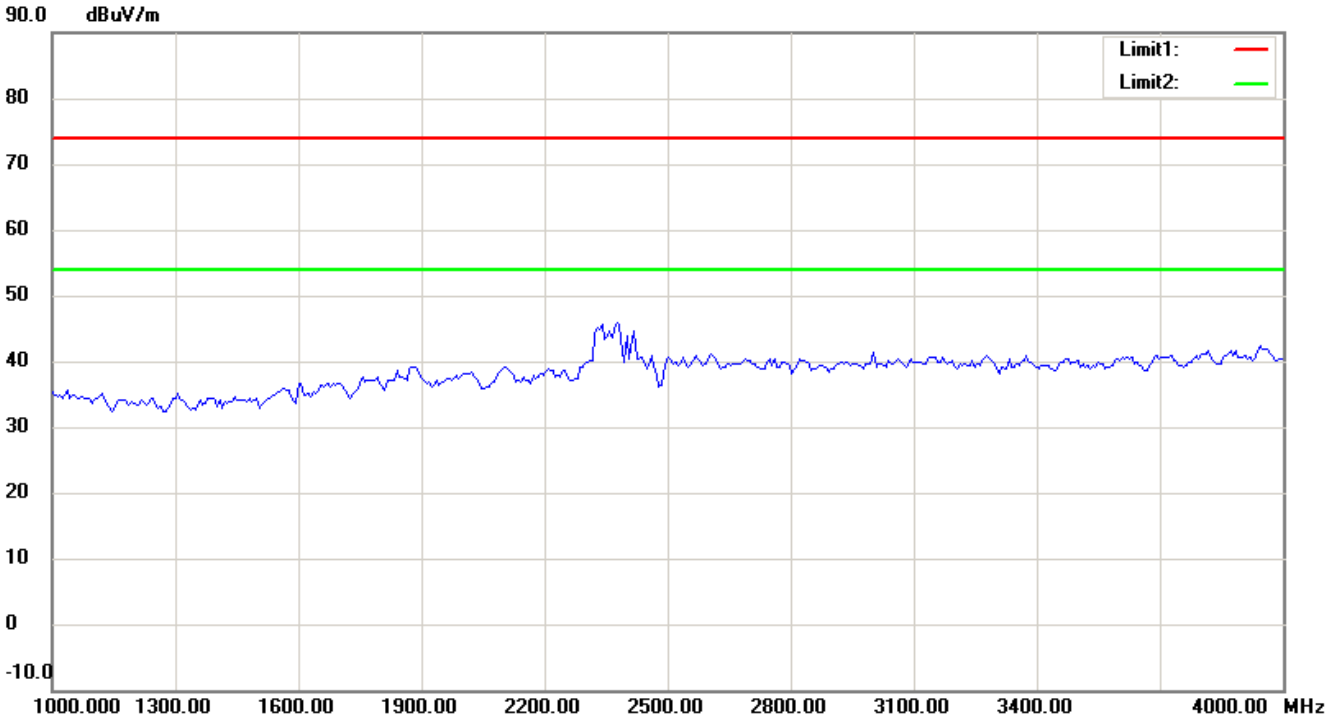
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna Polarization V





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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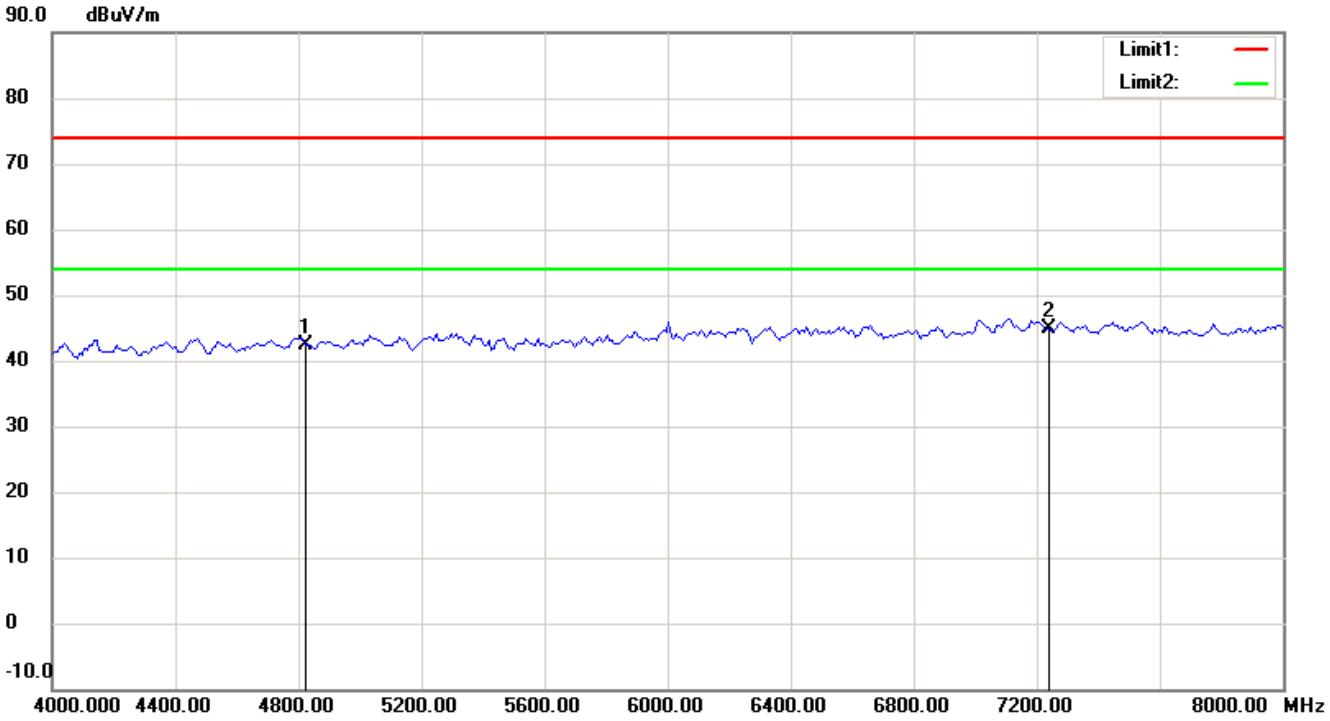
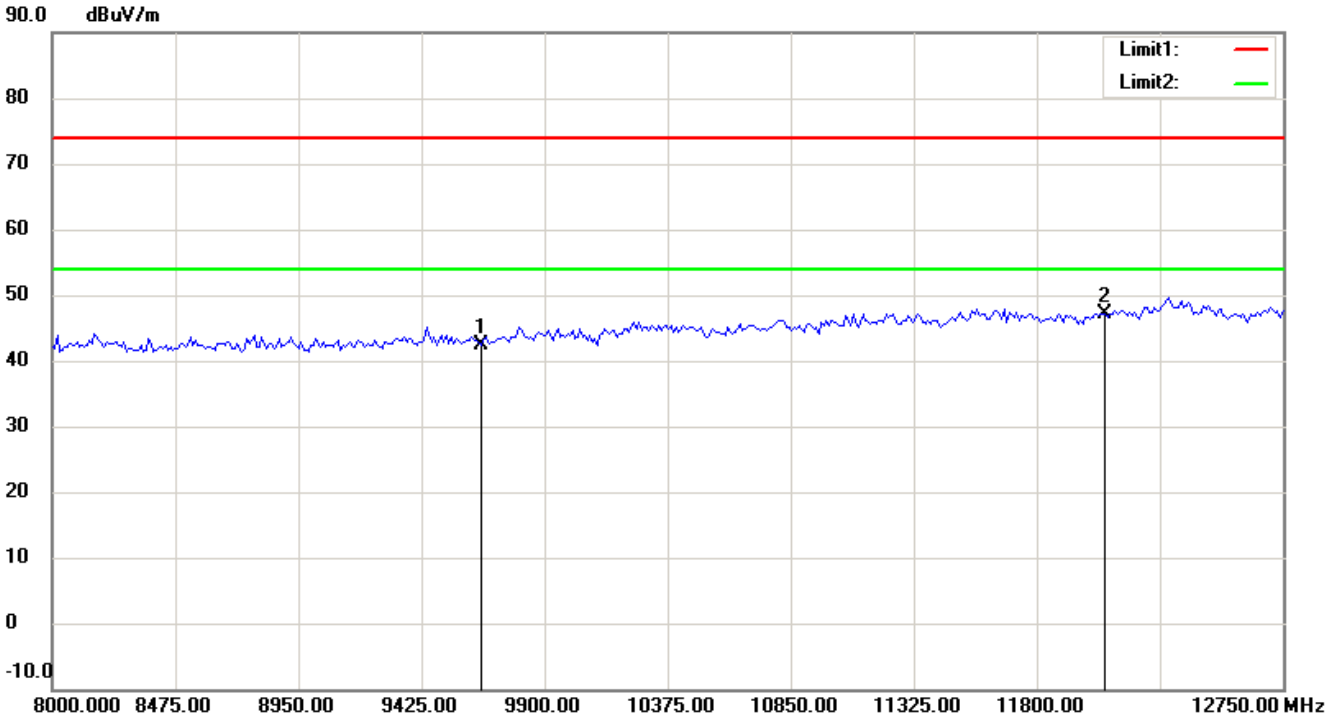
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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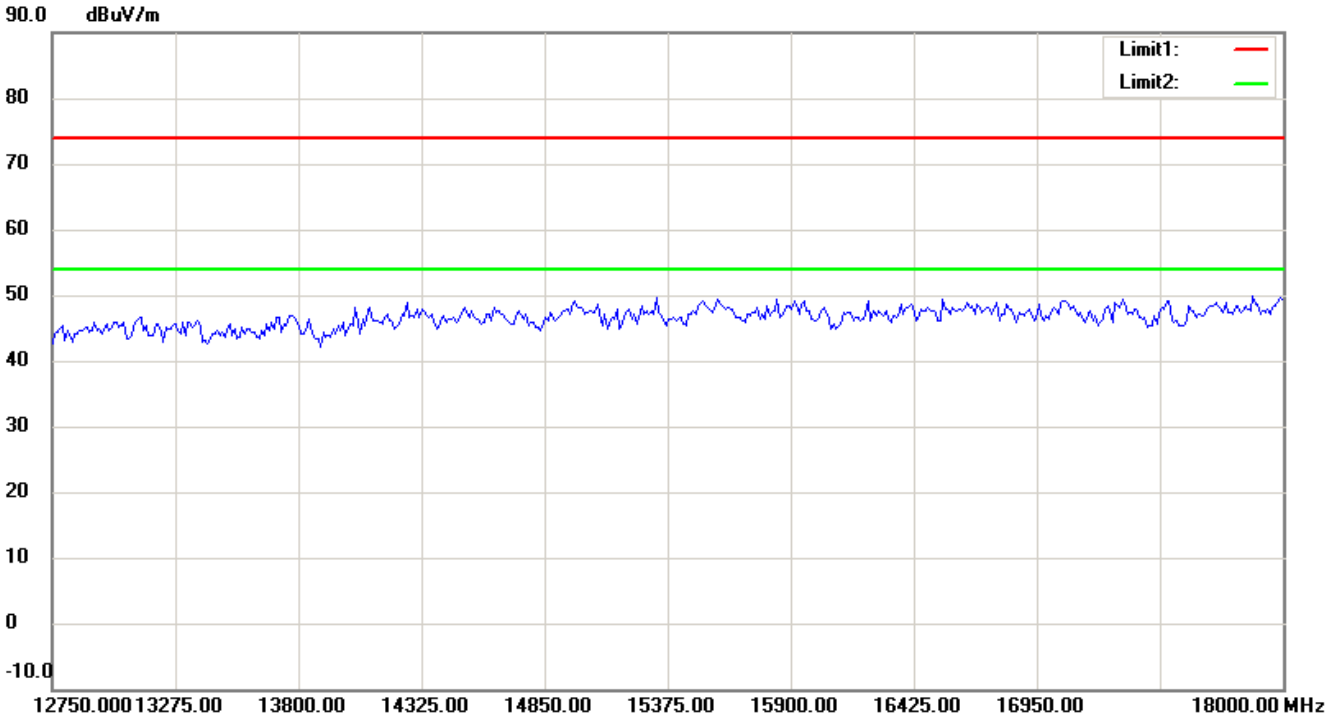
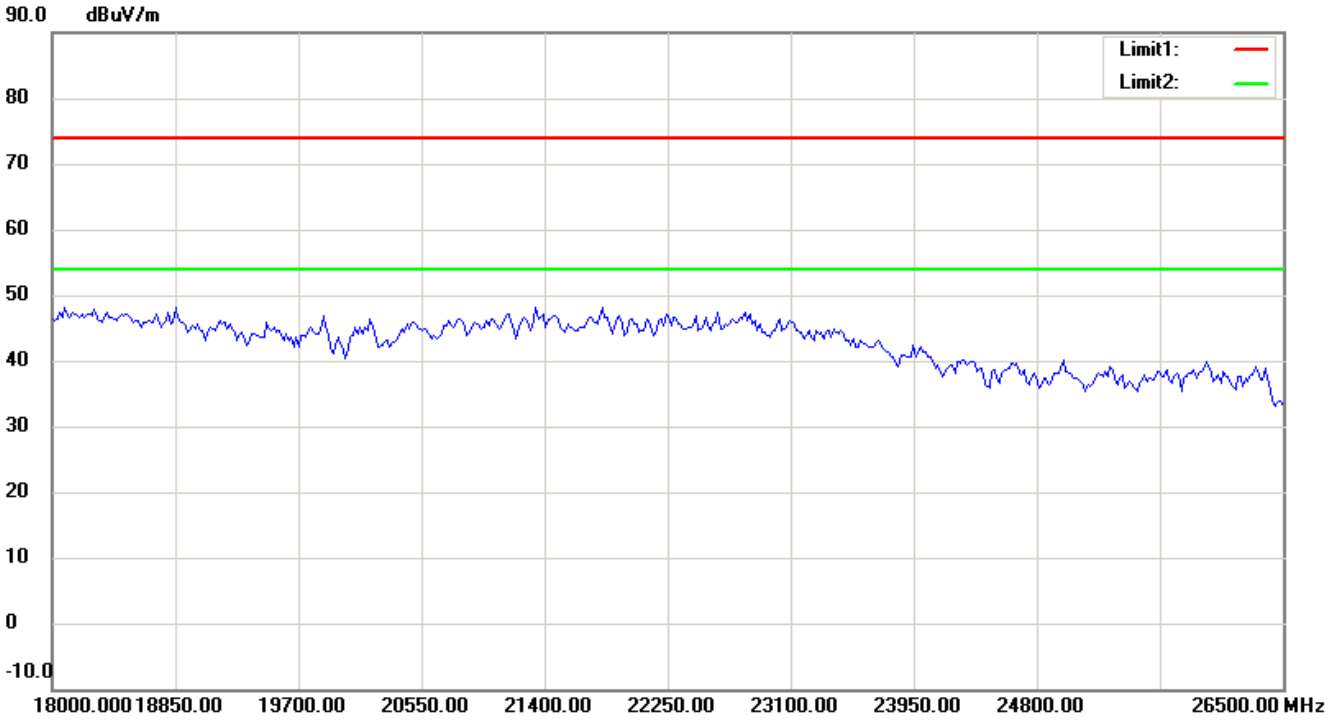
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



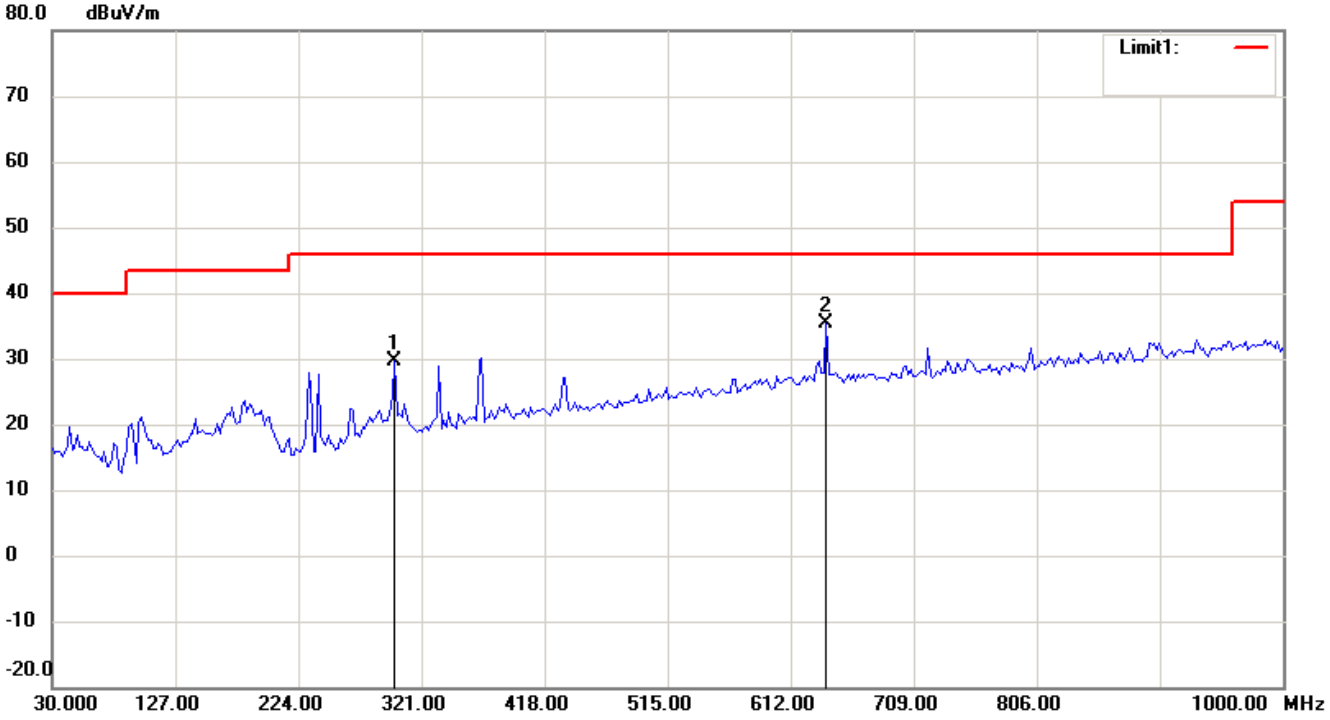


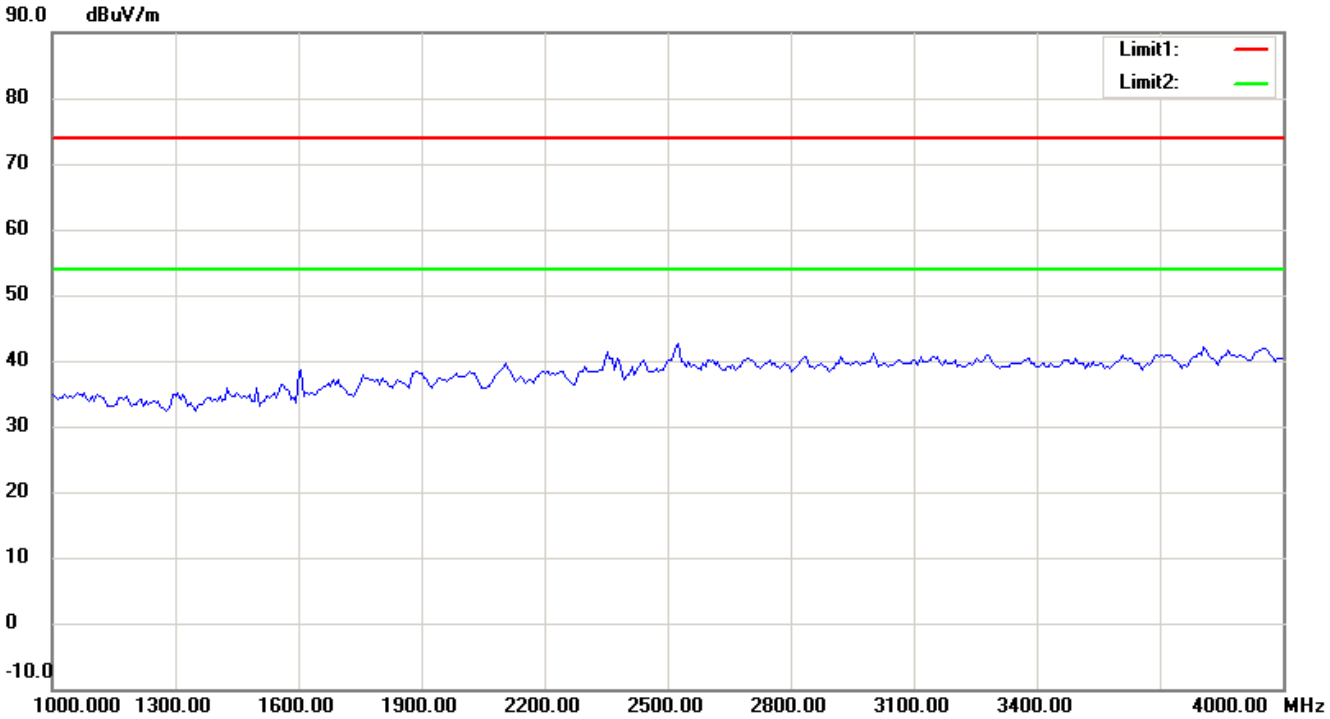
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11g 2437MHz
Antenna Polarization H





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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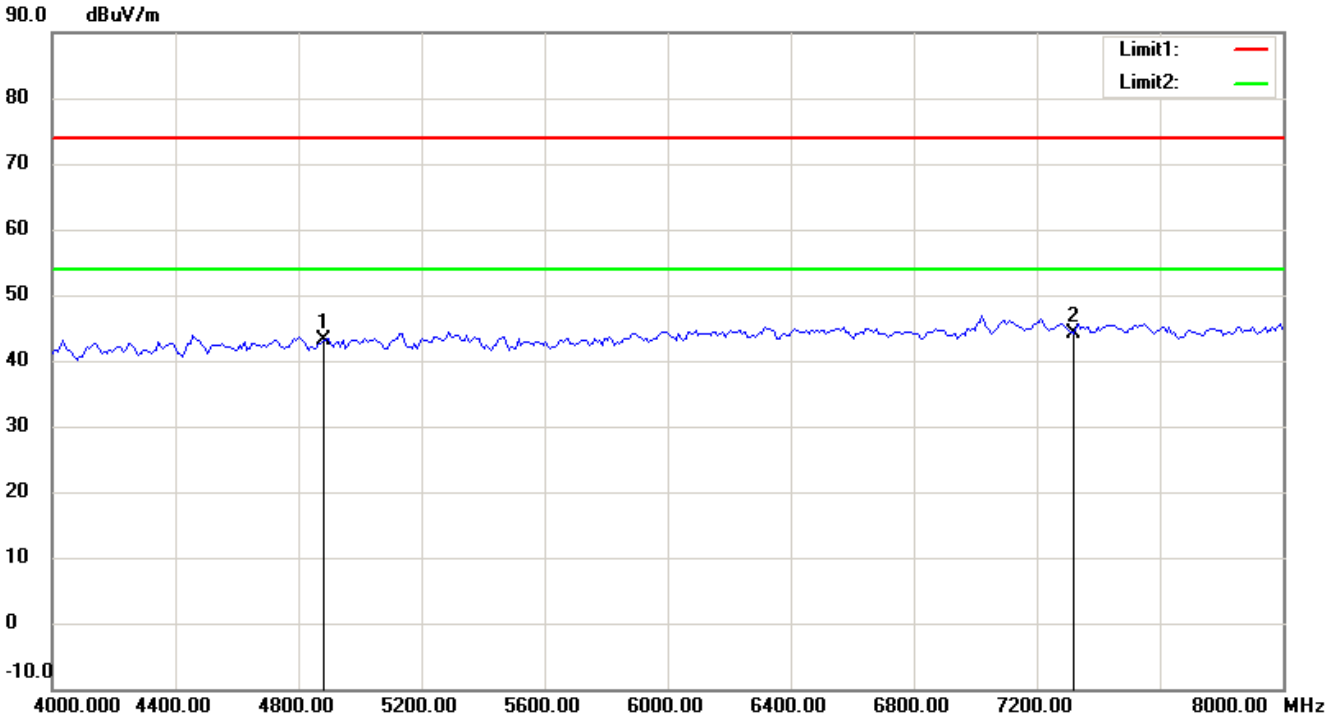
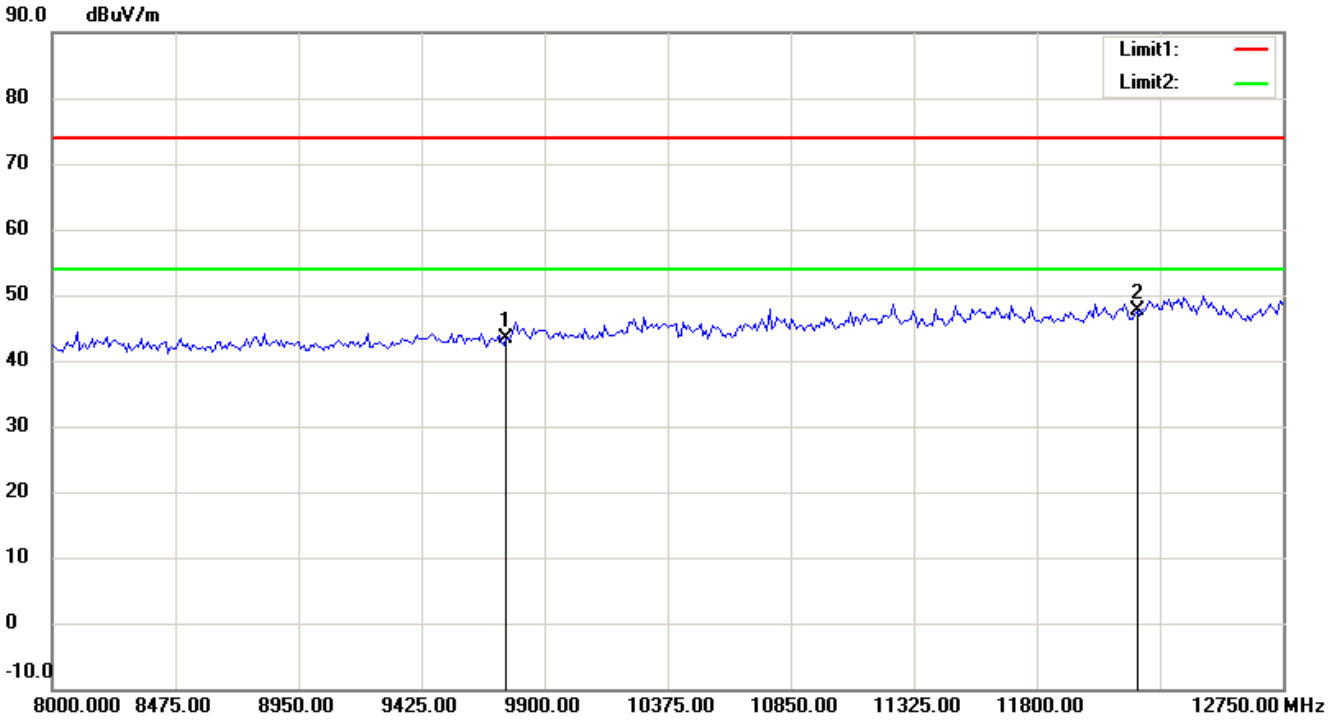
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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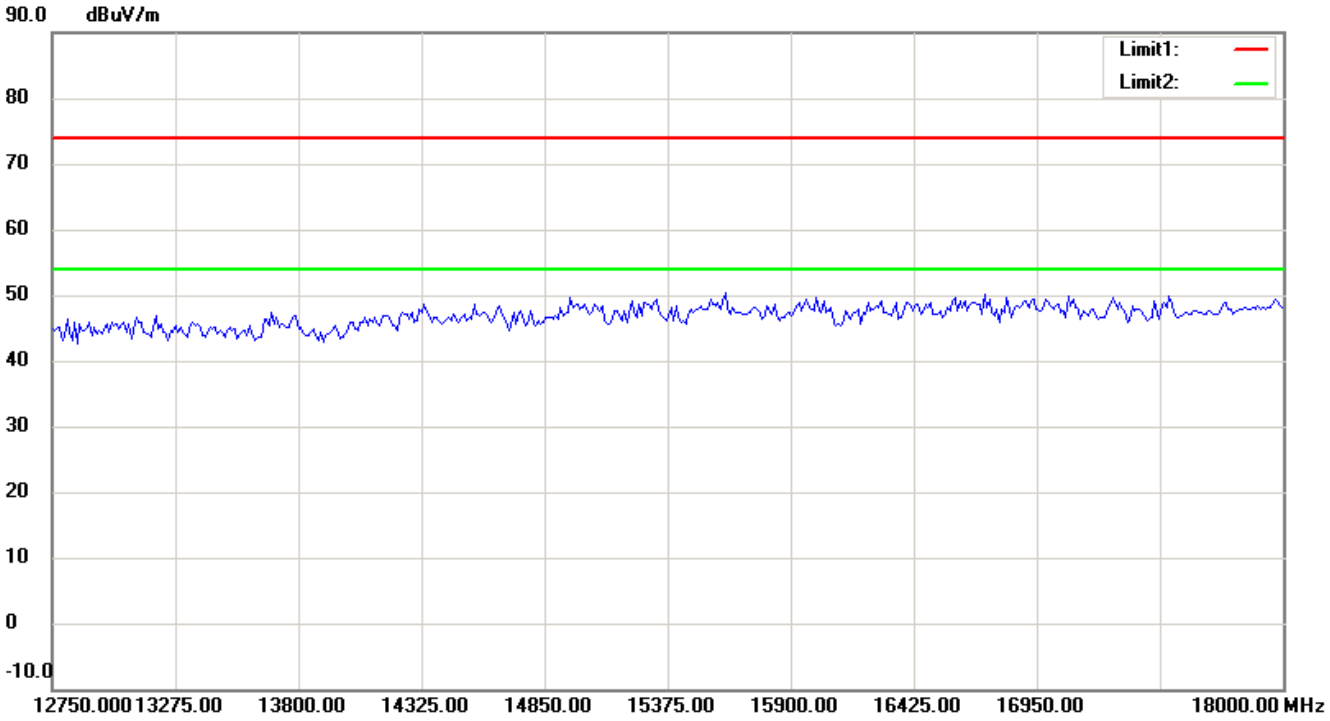
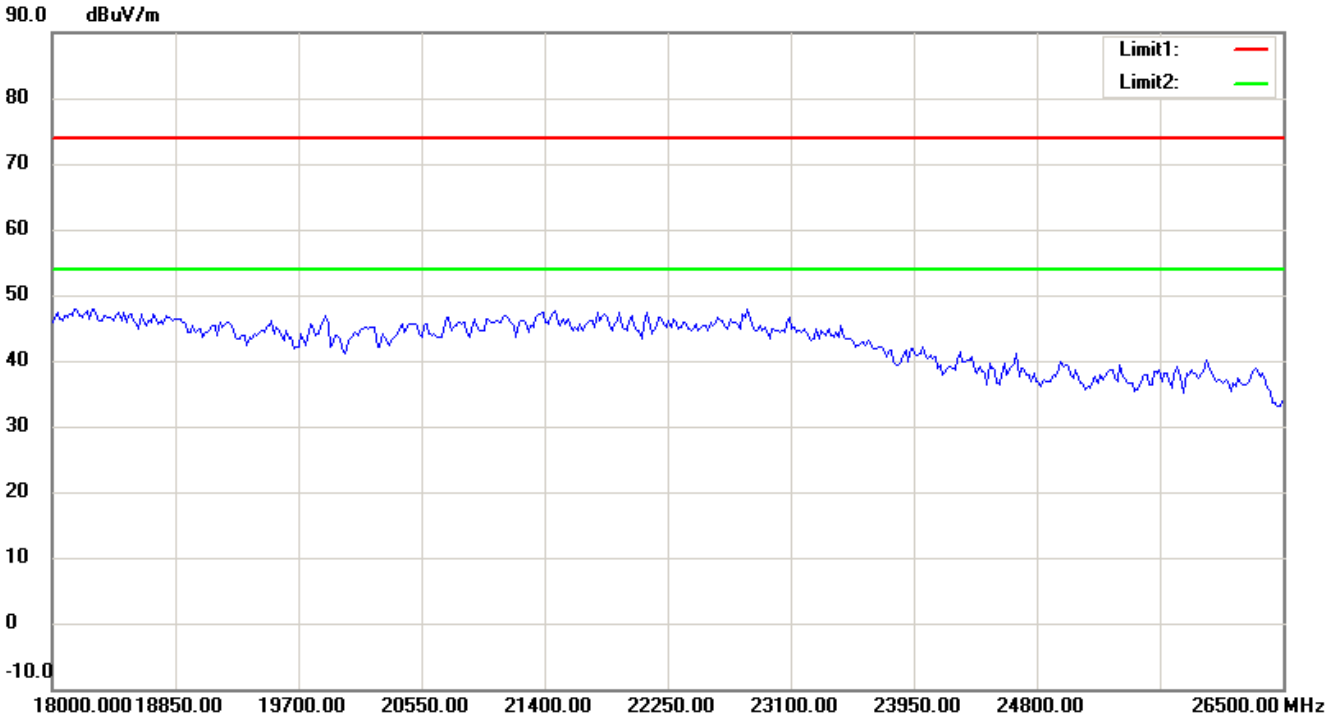
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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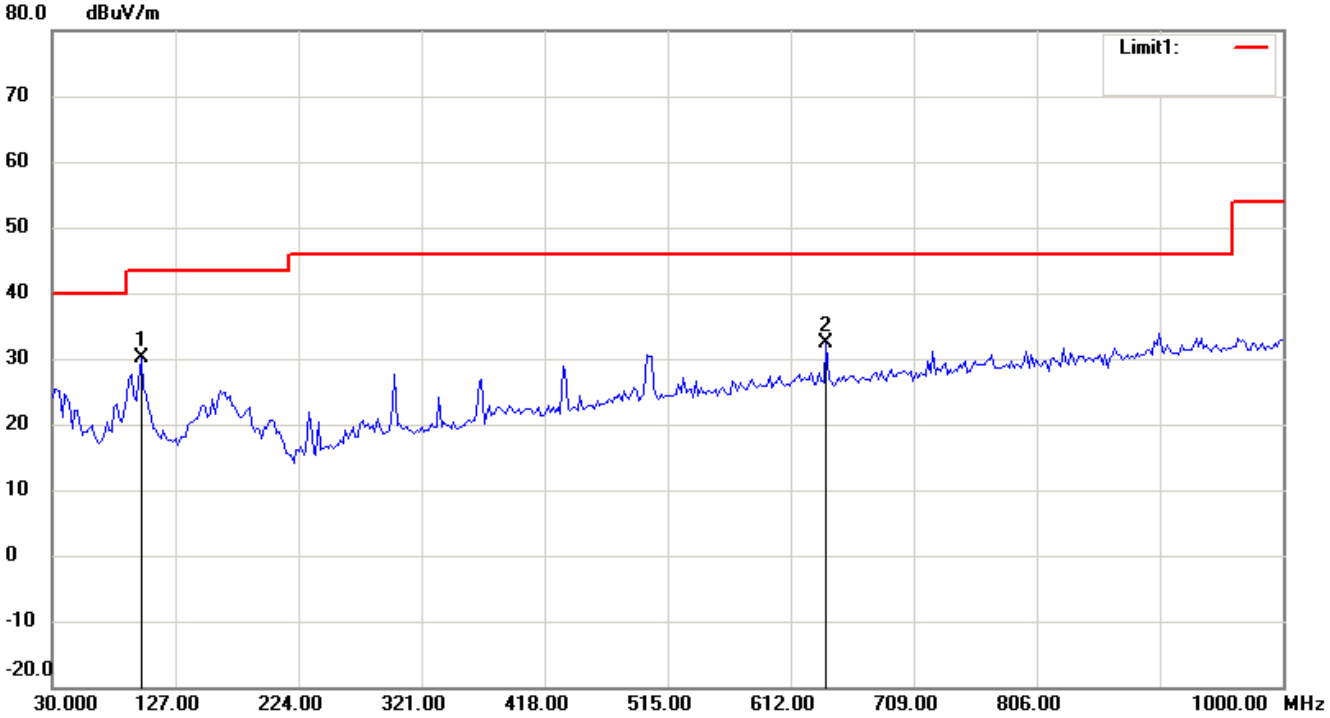
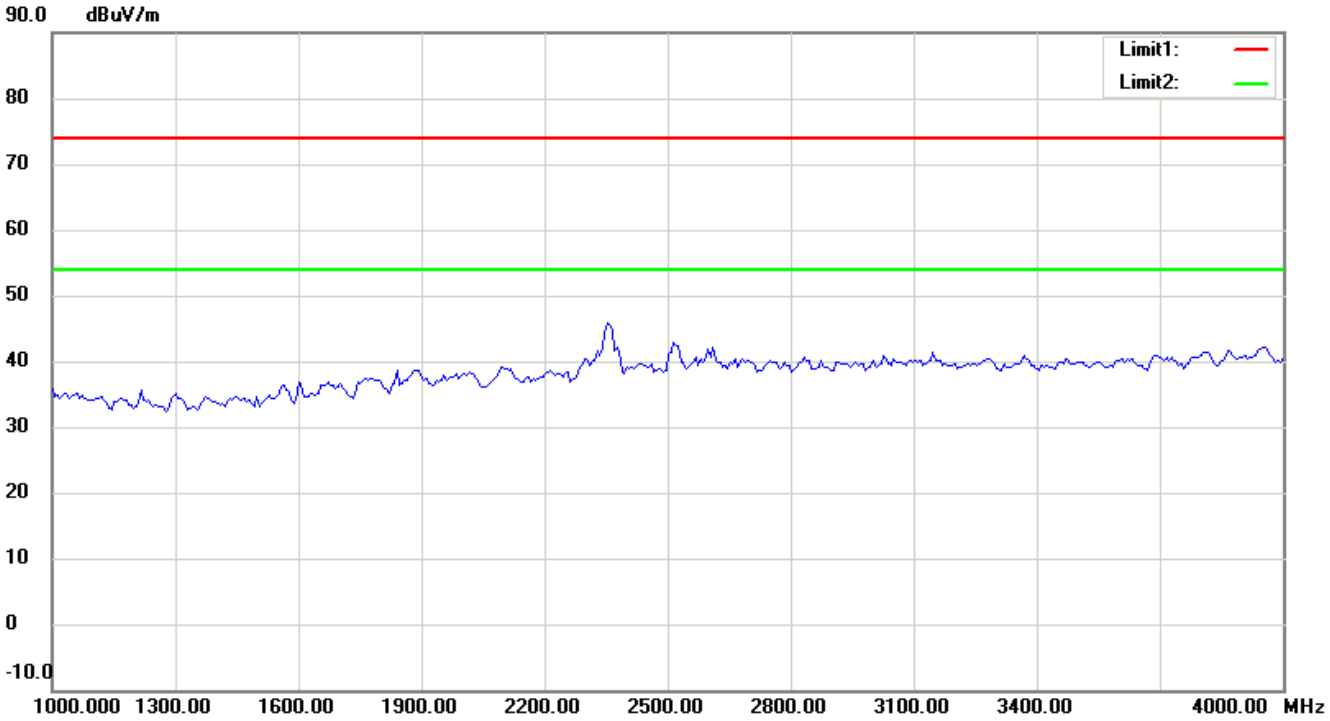
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna Polarization V

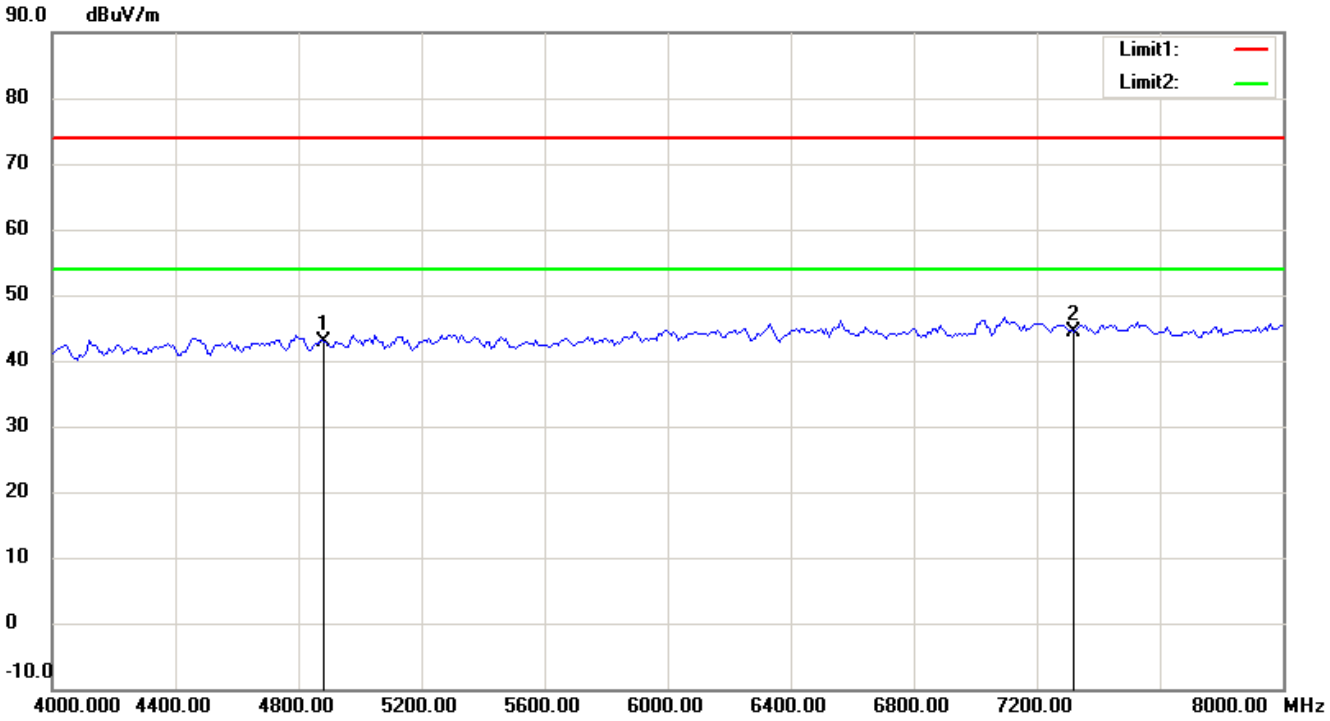


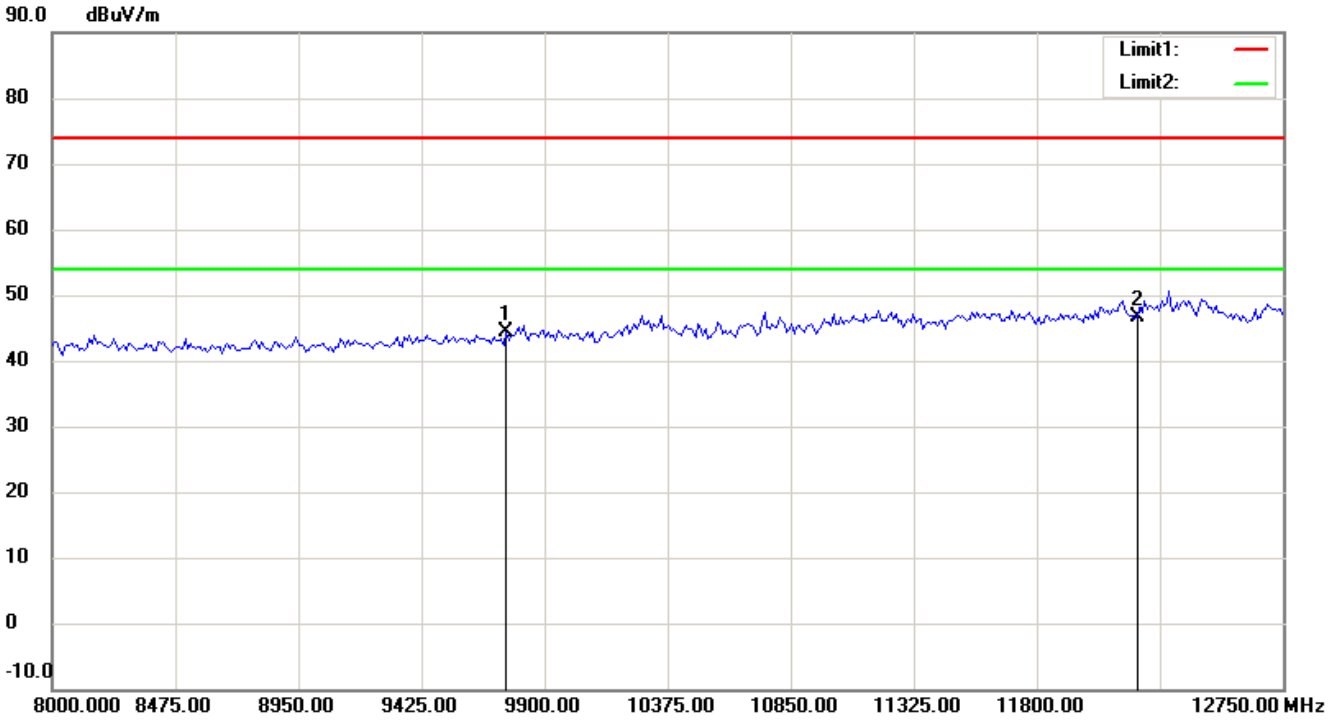


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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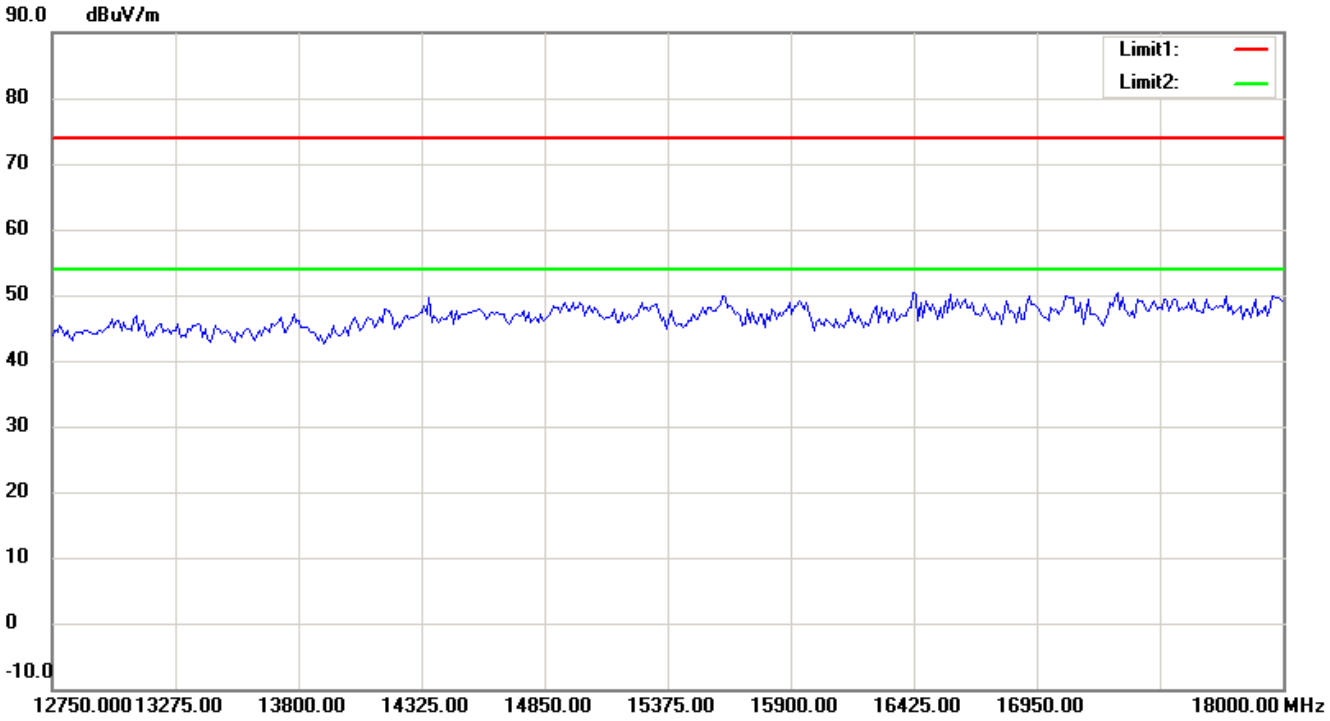
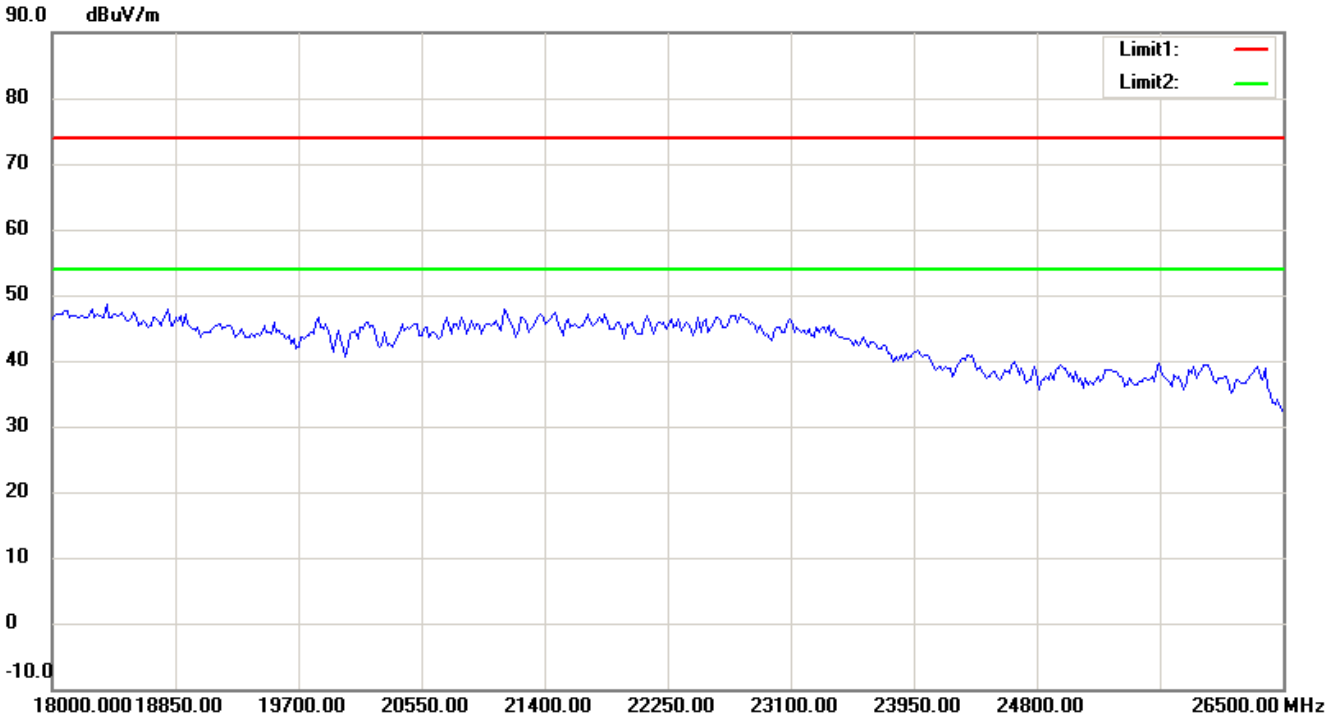
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



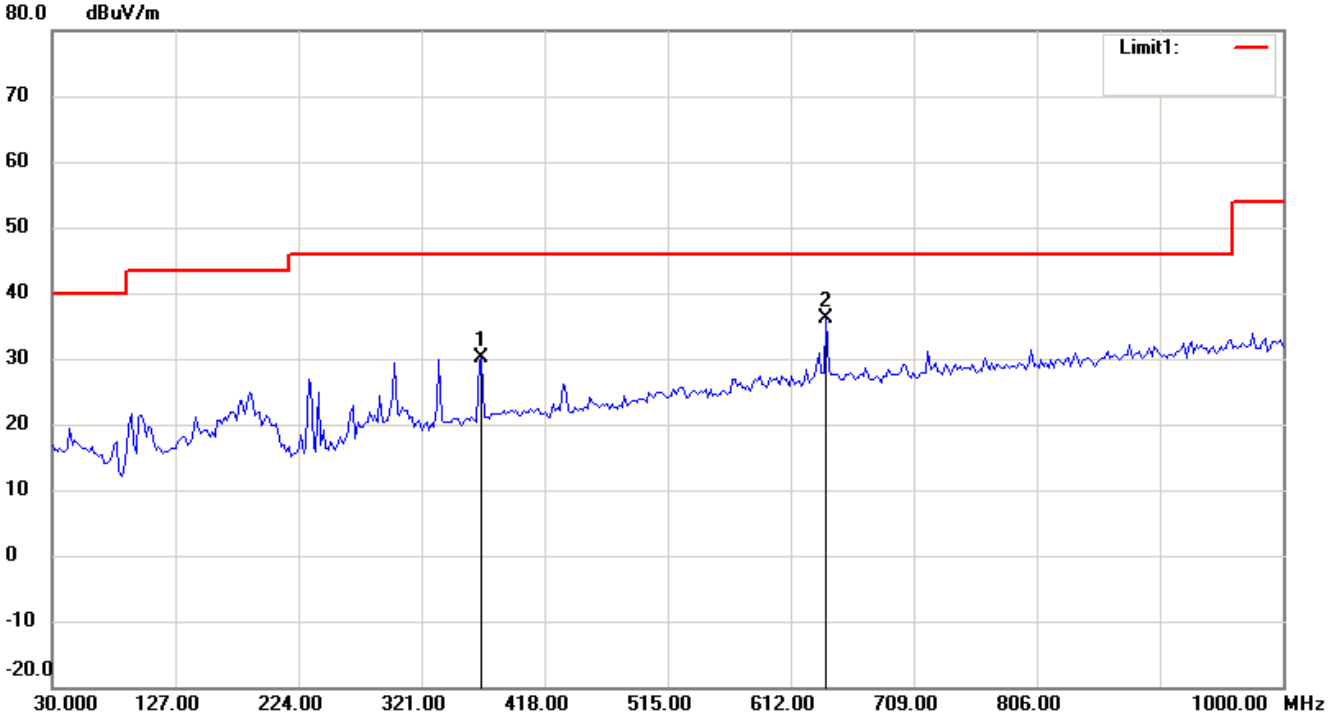


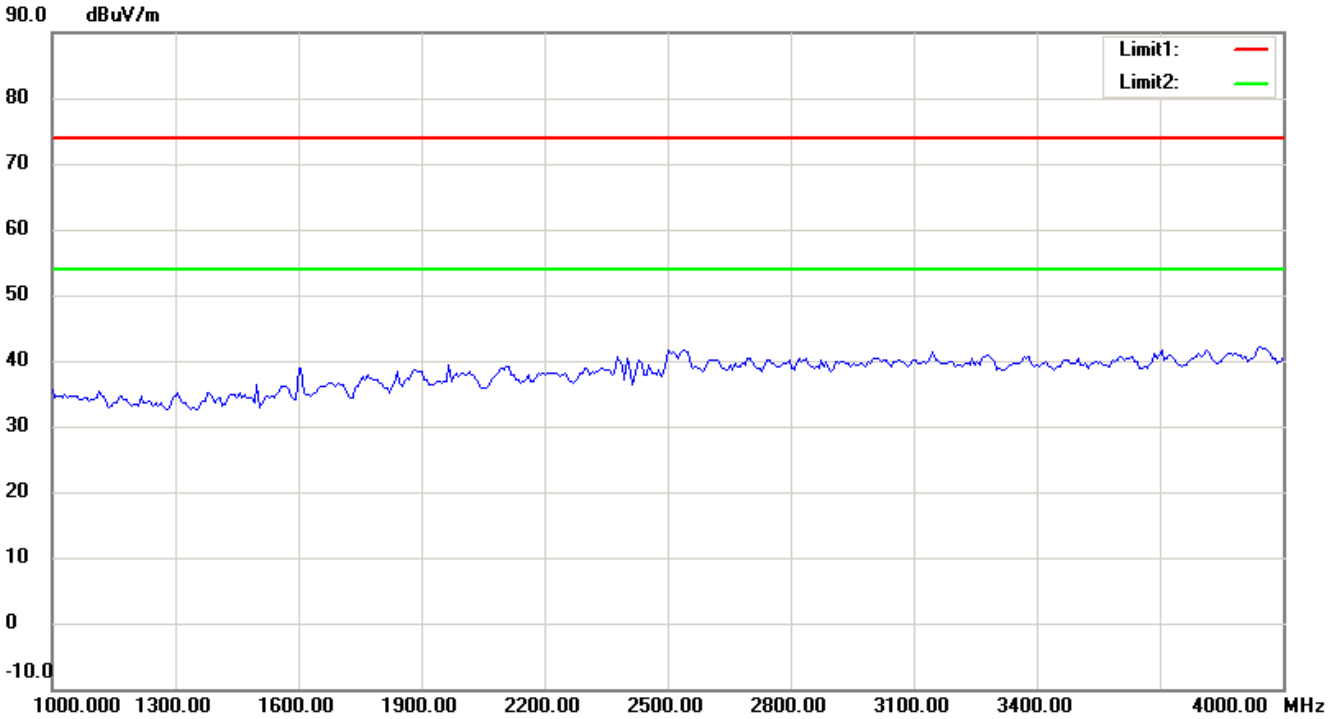
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11g 2462MHz
Antenna Polarization H

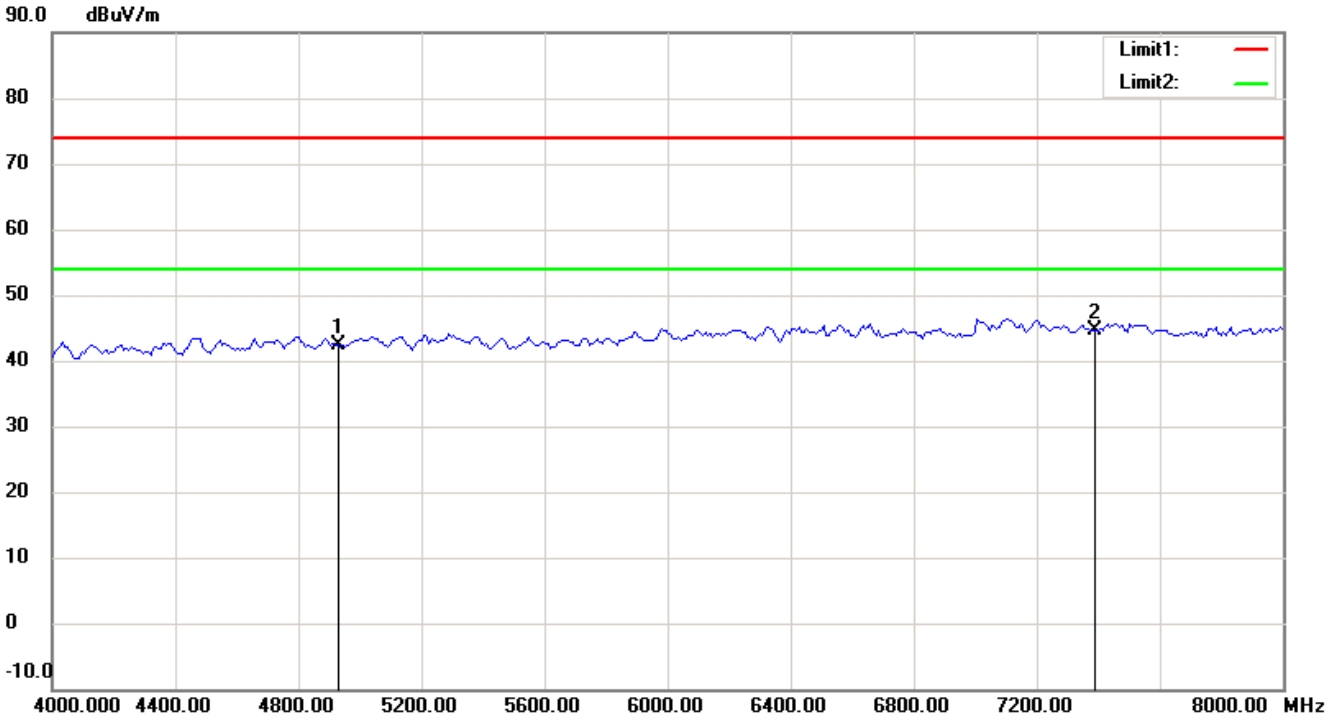


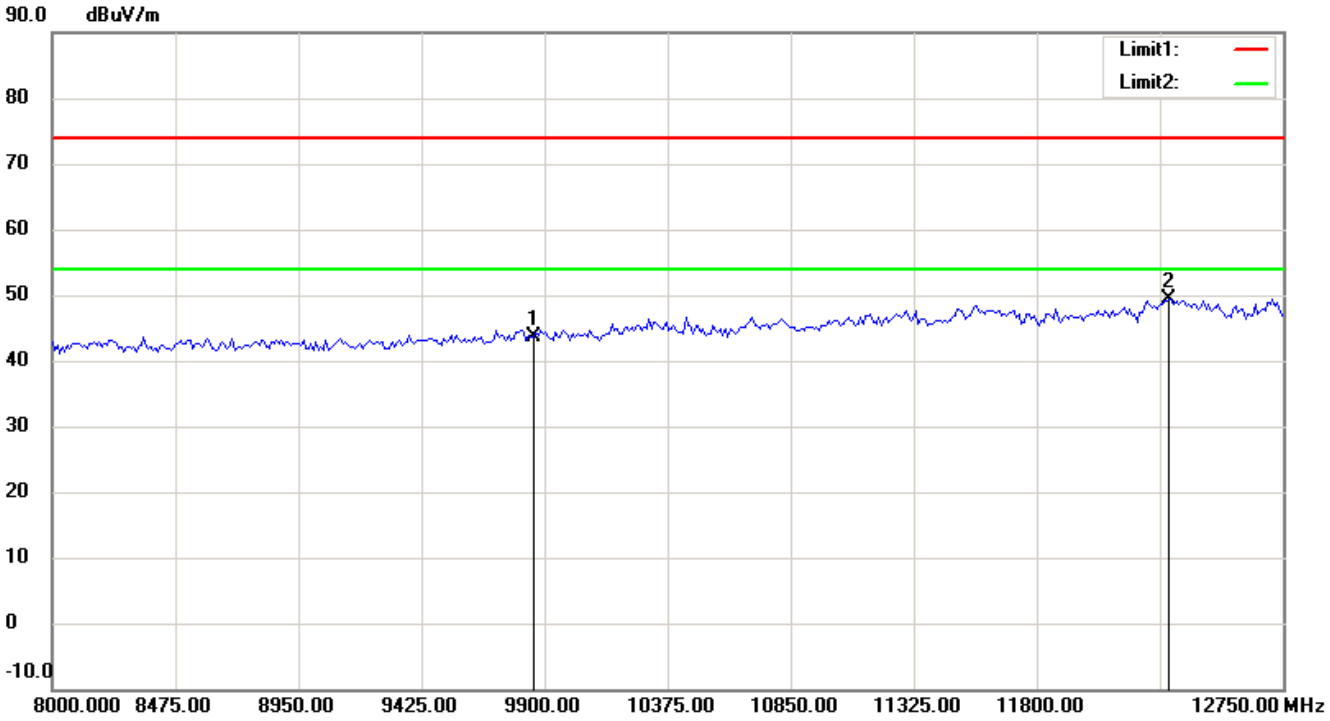


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

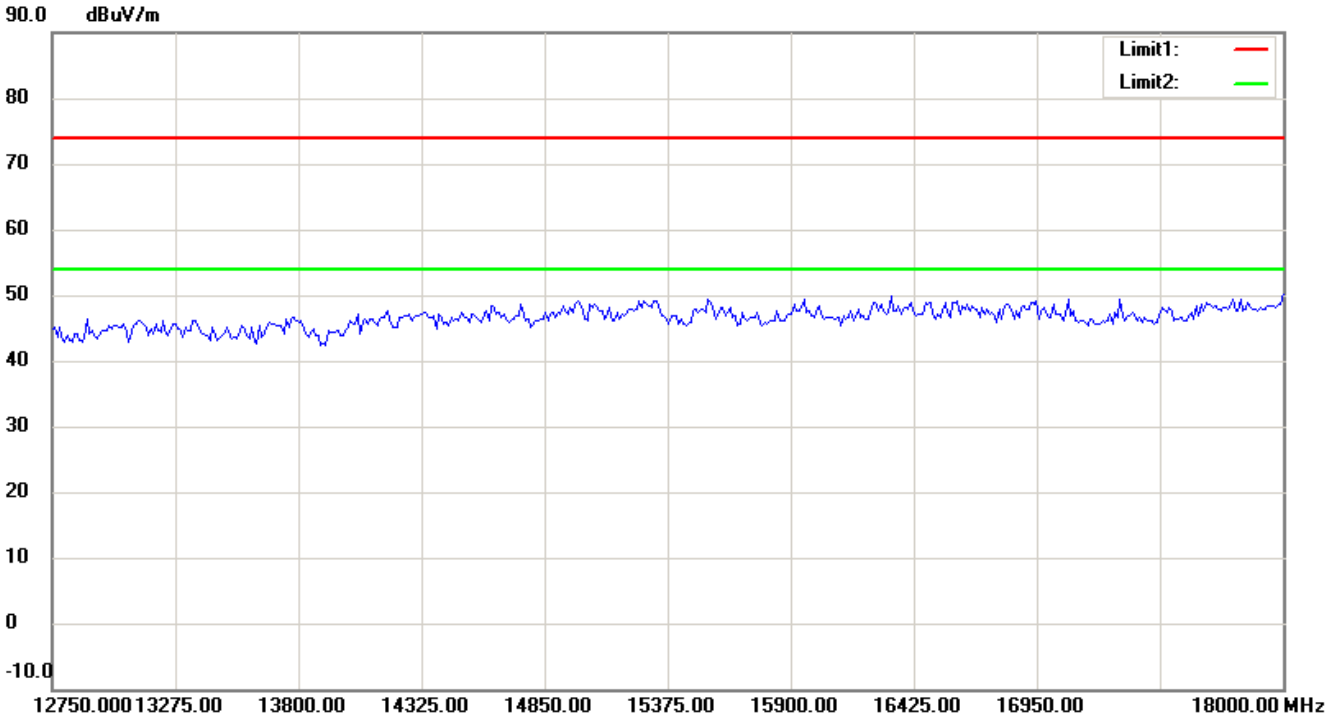


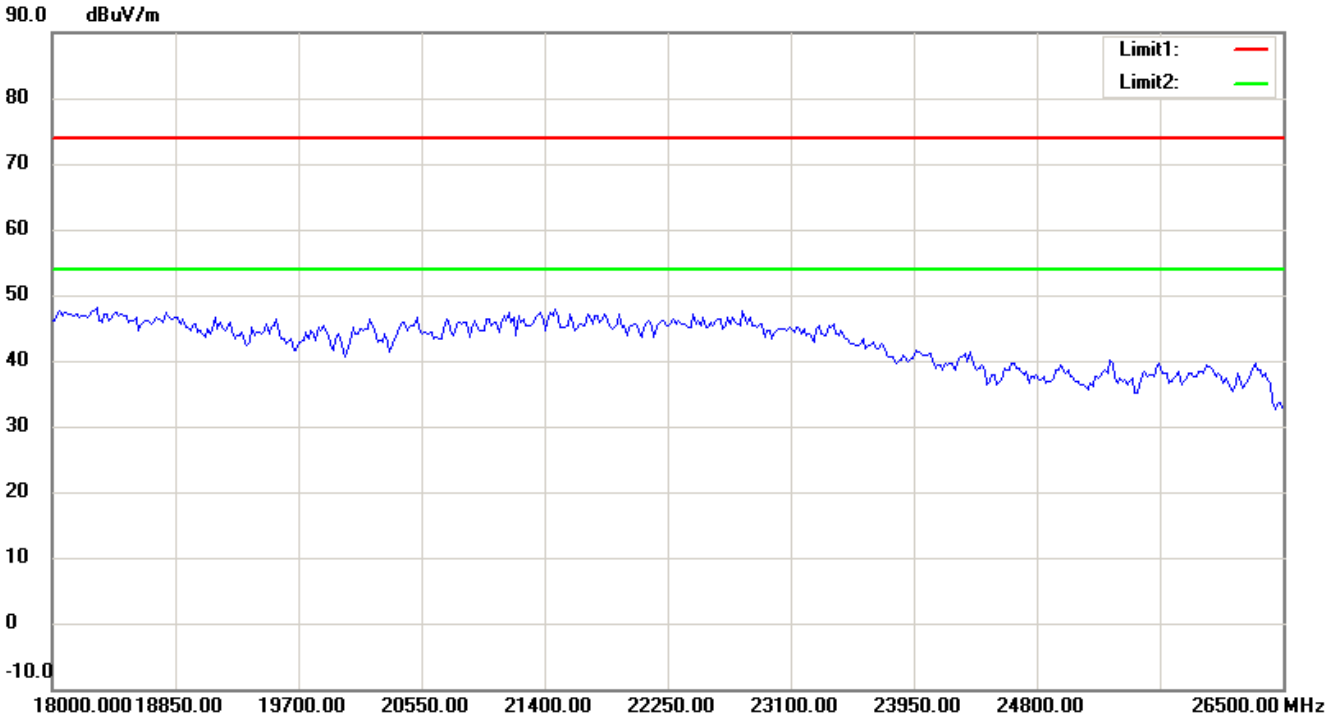


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



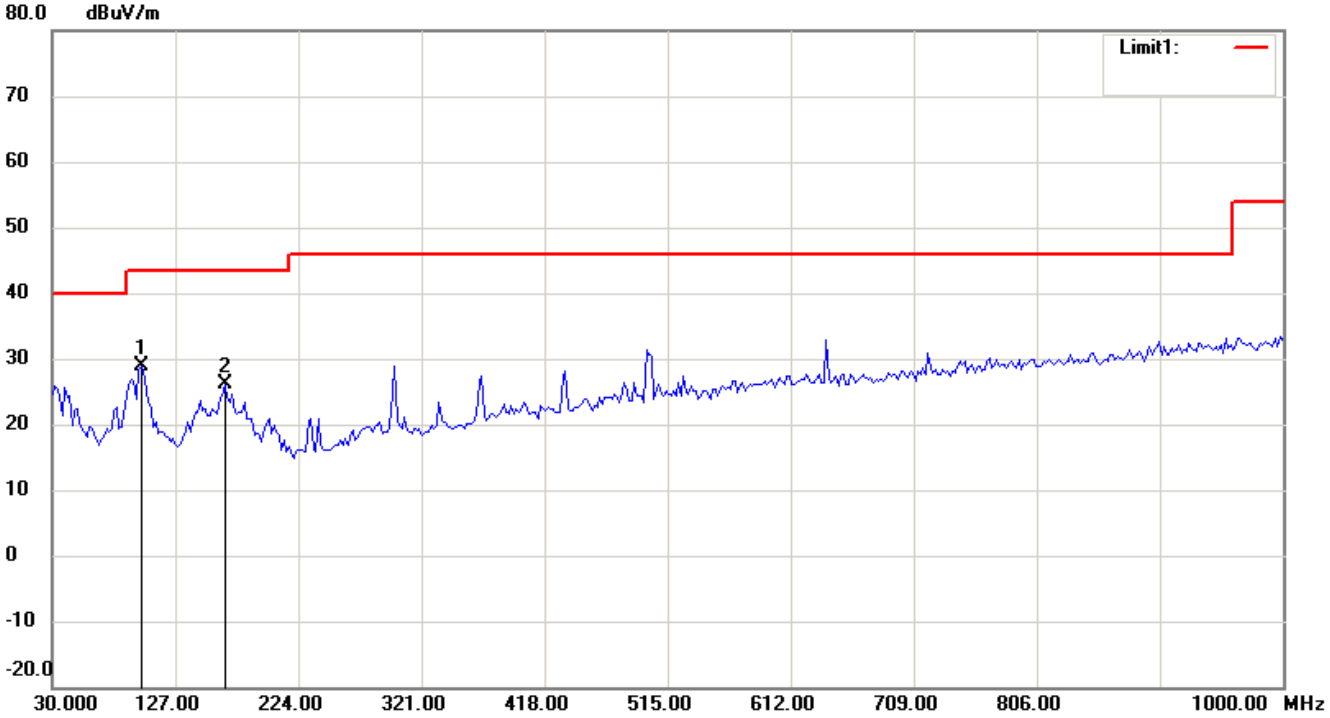


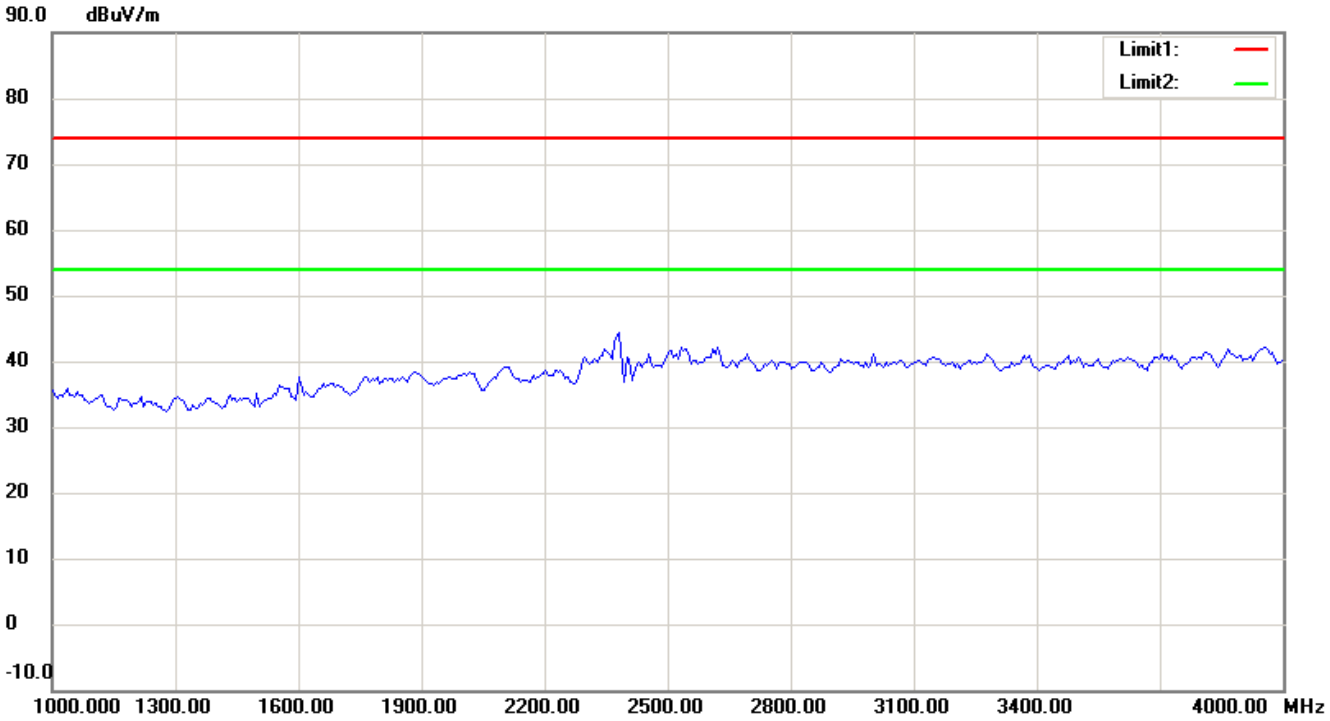
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna Polarization V





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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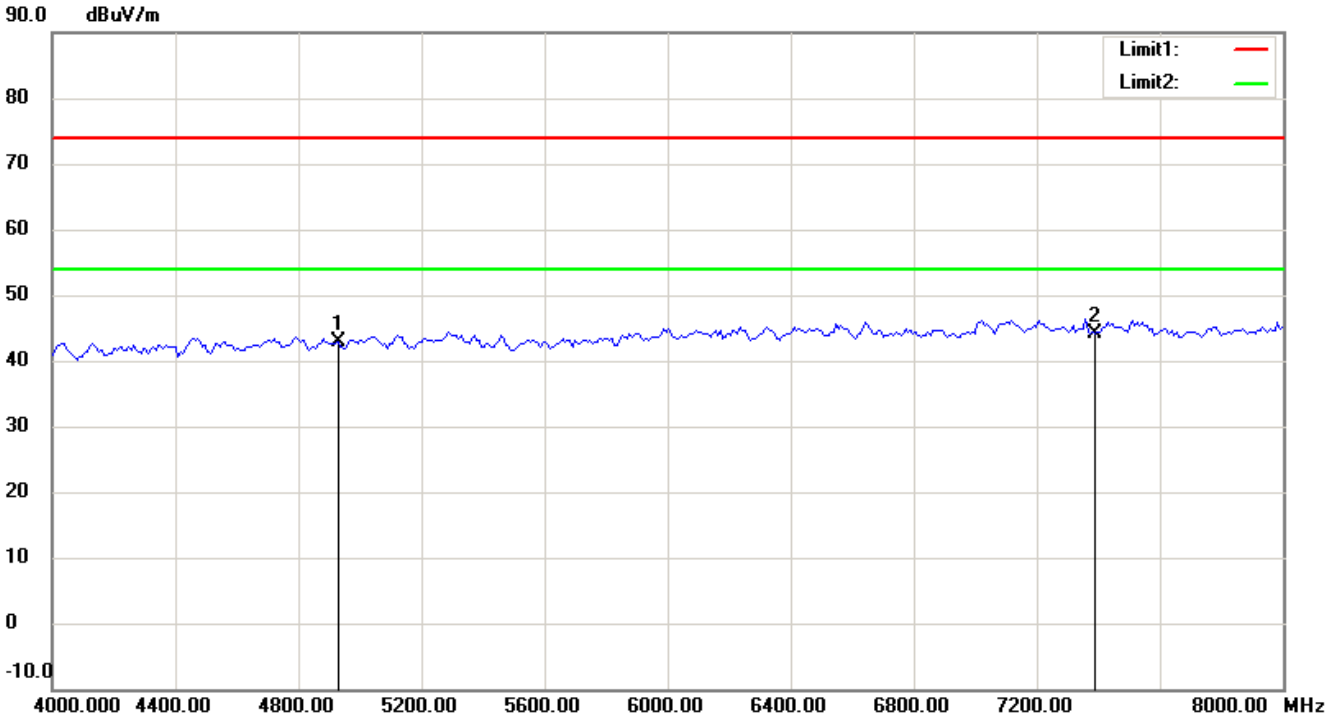
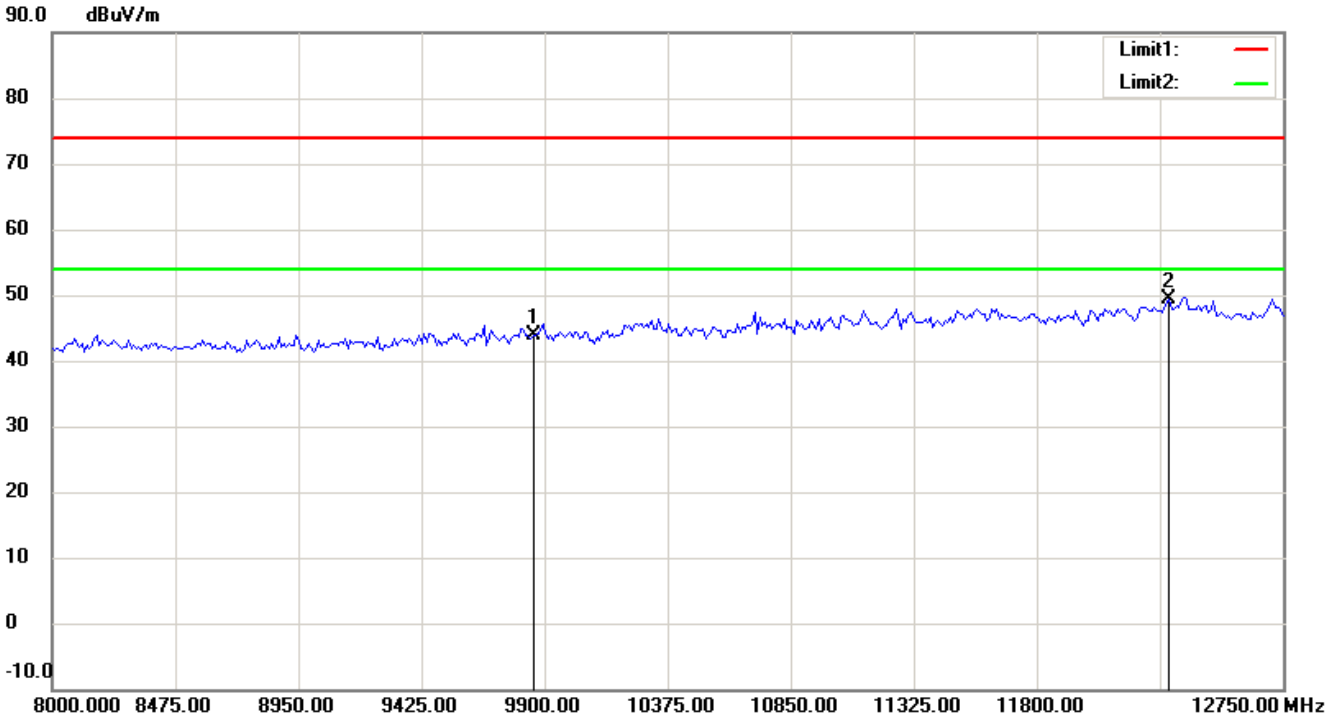
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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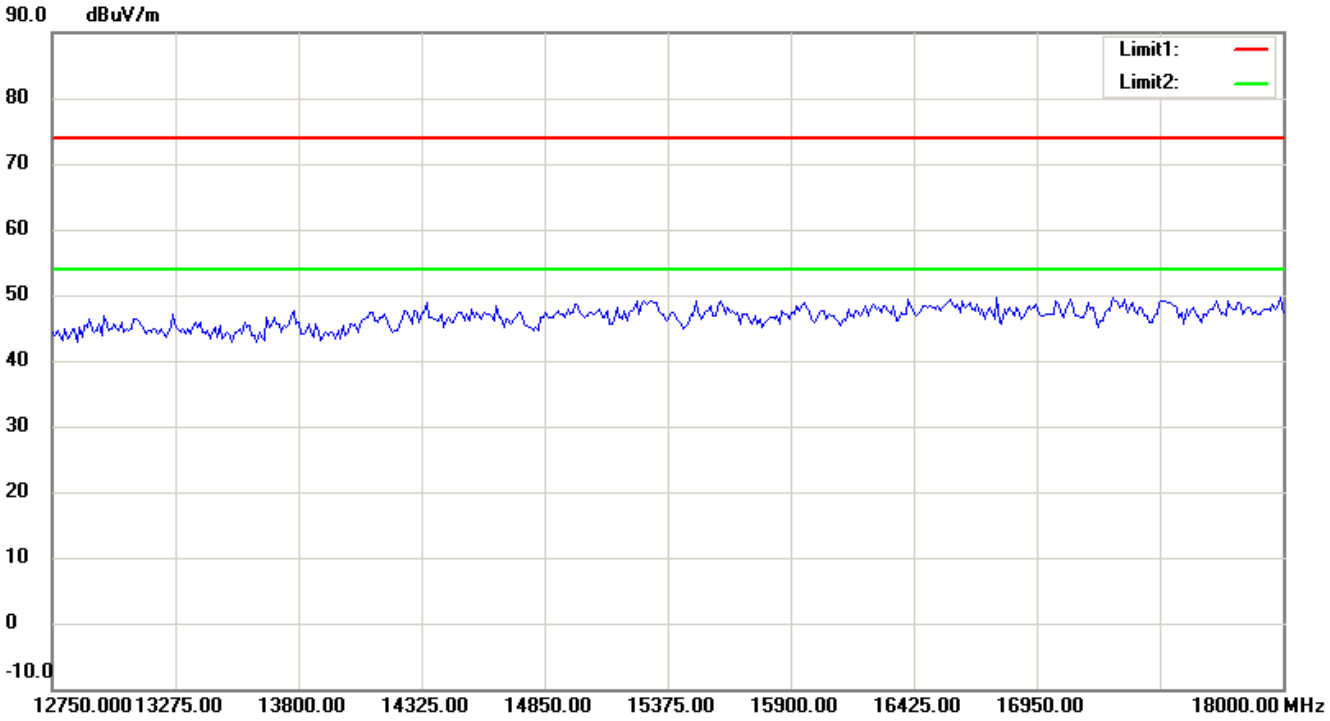
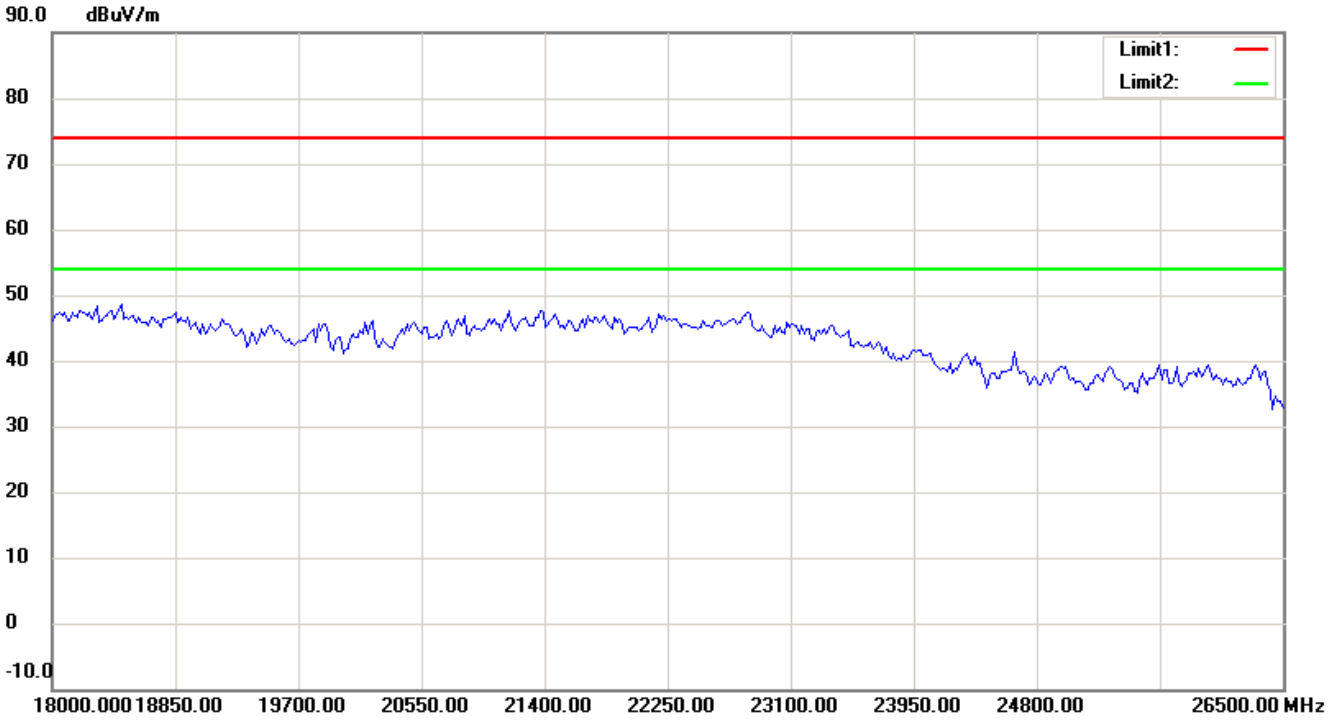
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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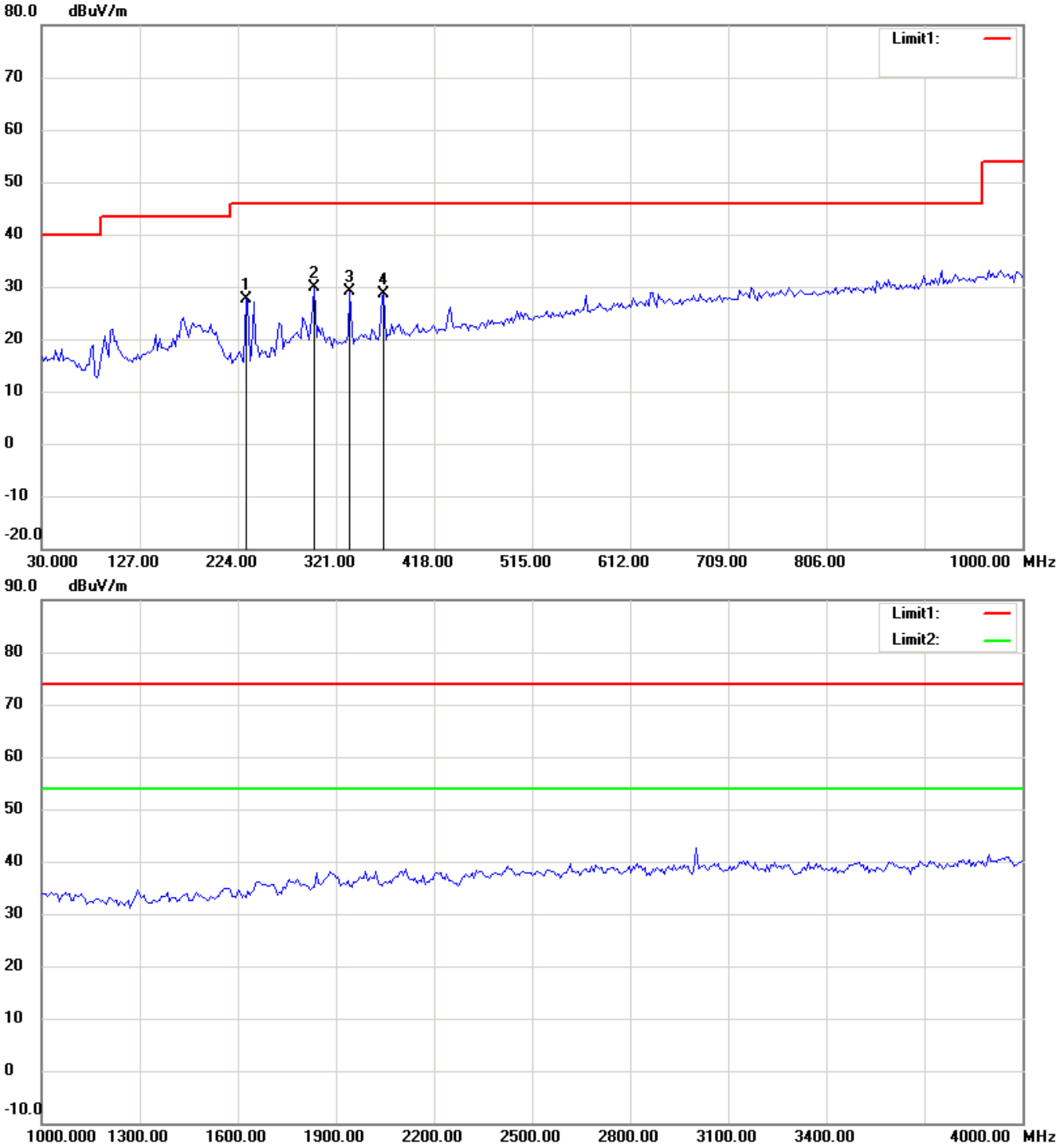
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna B
802.11a 5745MHz
Antenna Polarization H



Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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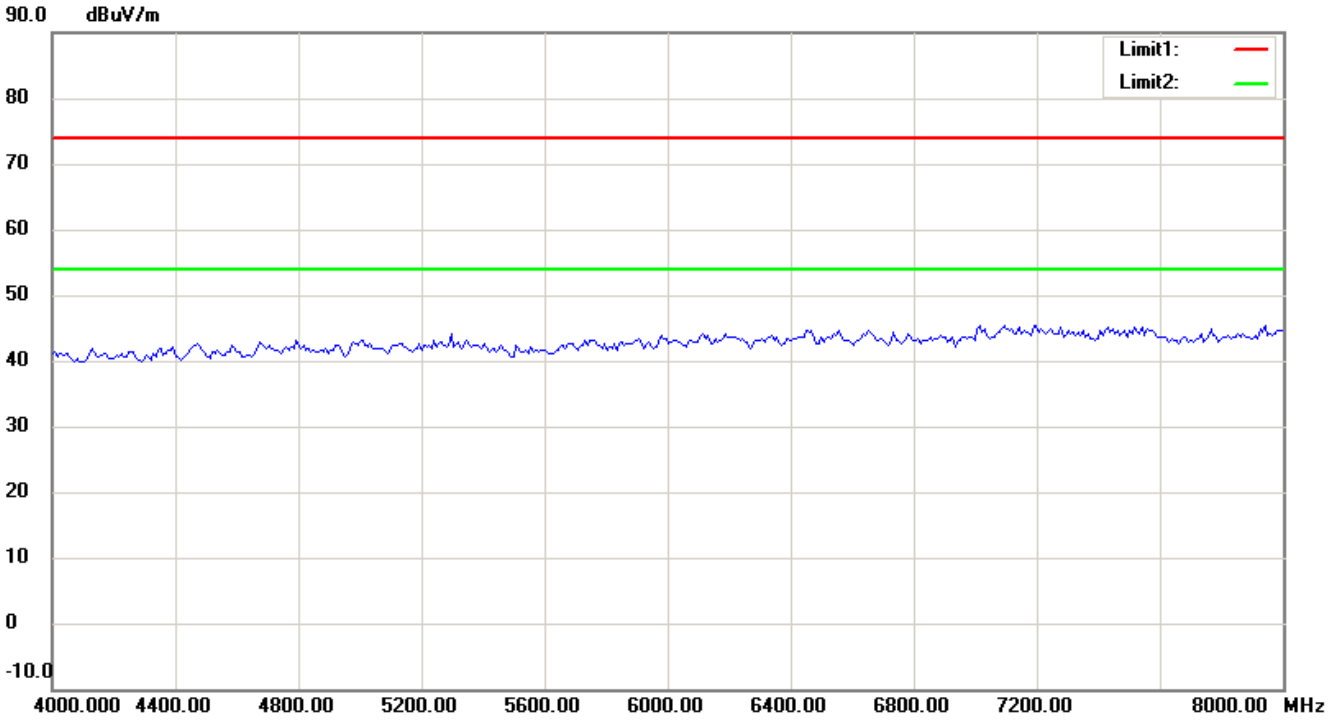
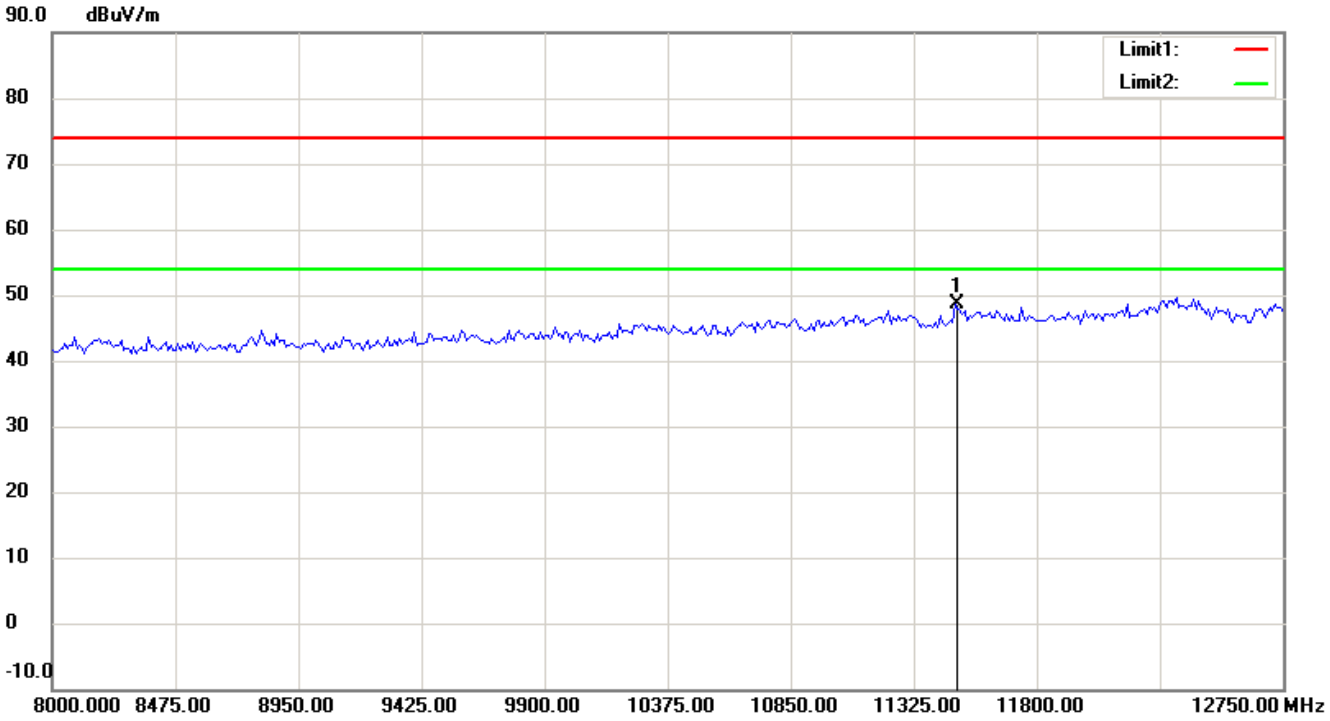
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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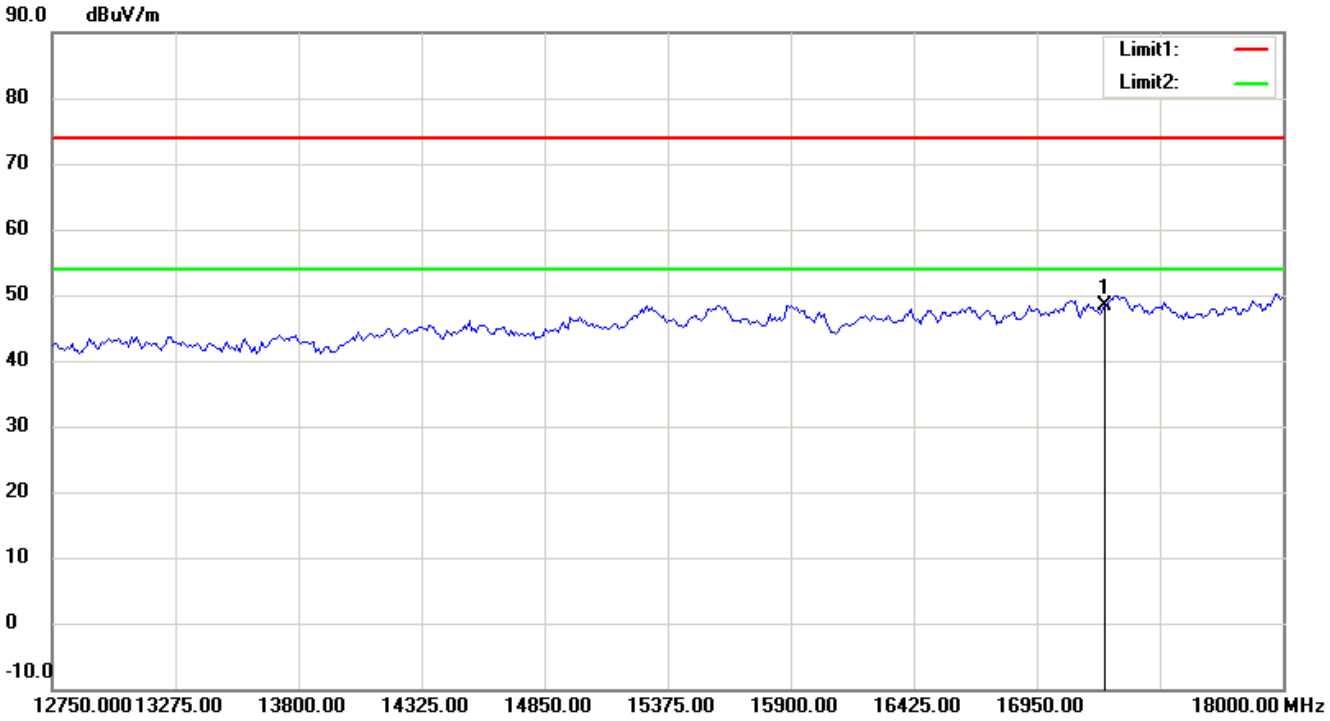
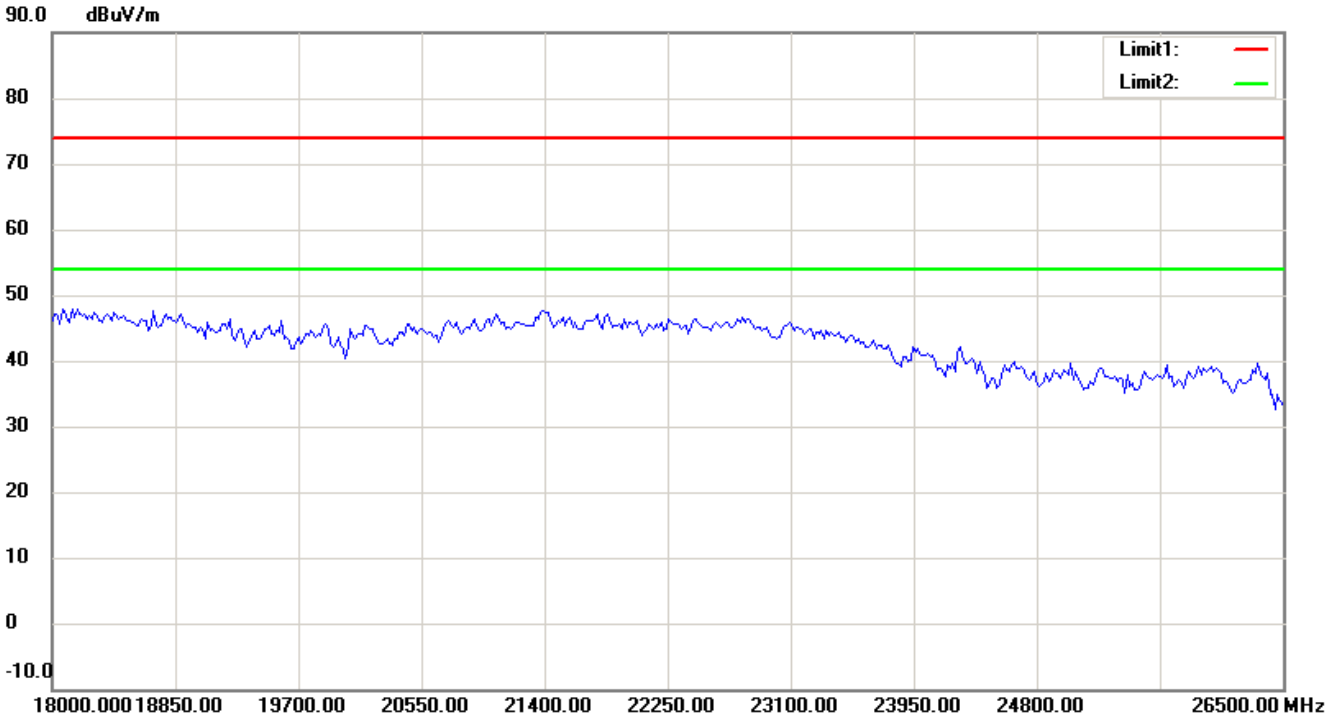
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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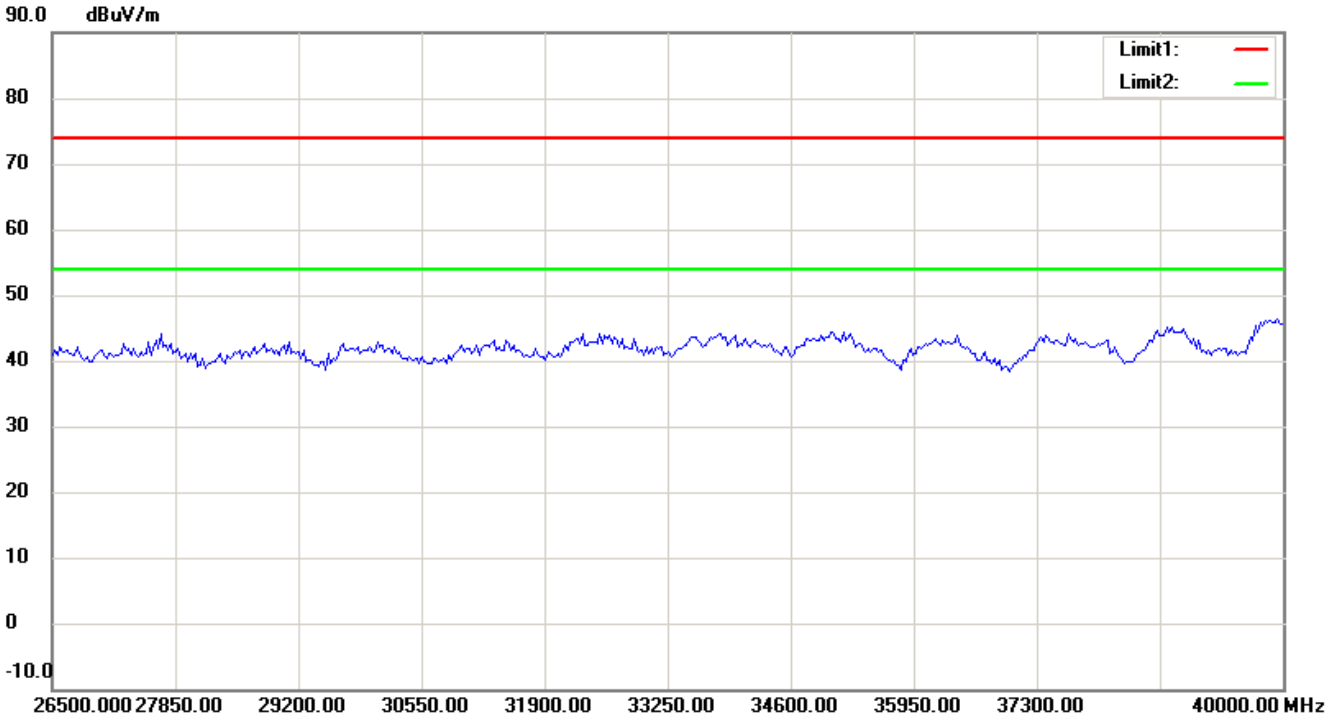
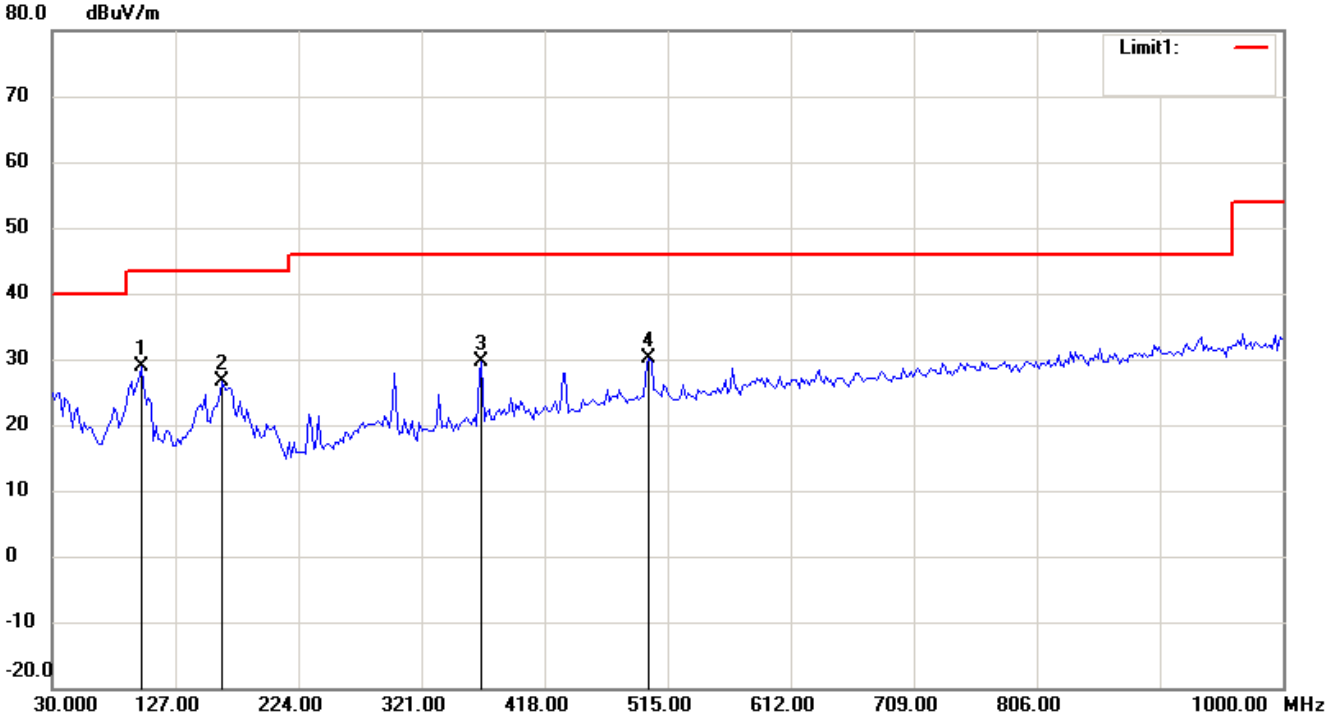
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



Antenna Polarization V



Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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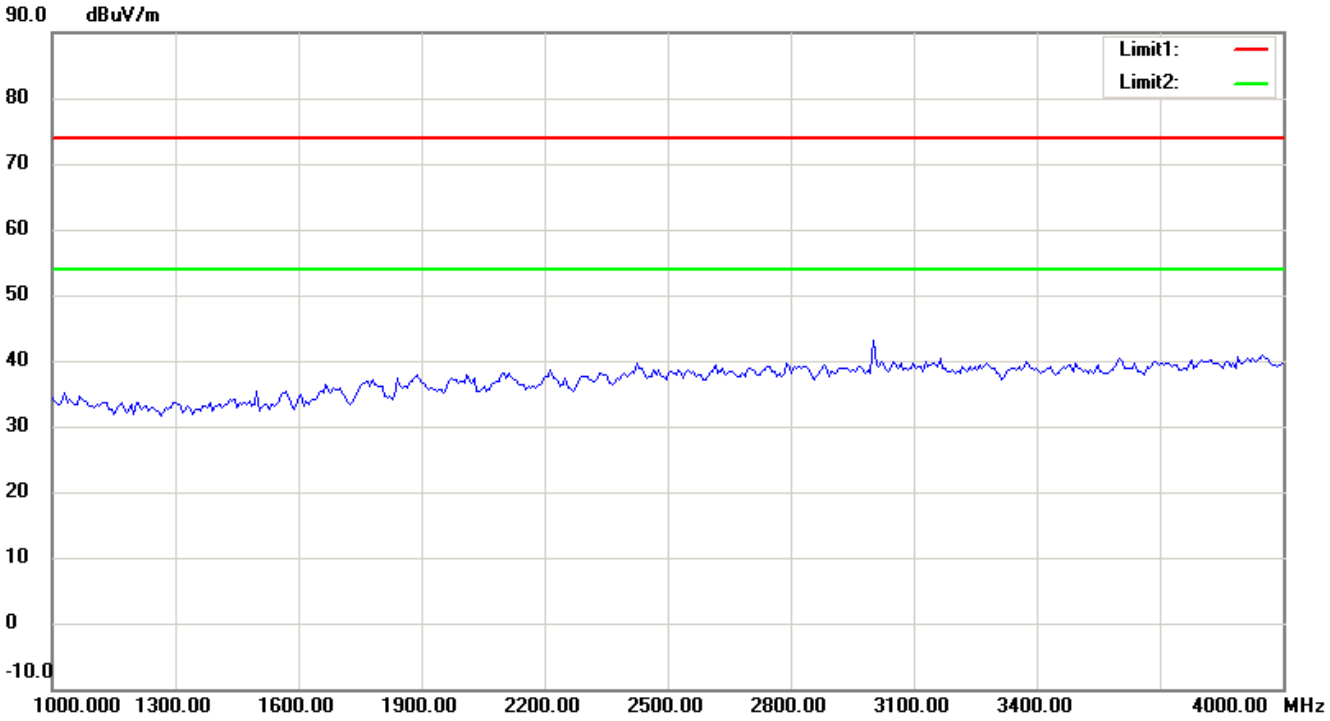
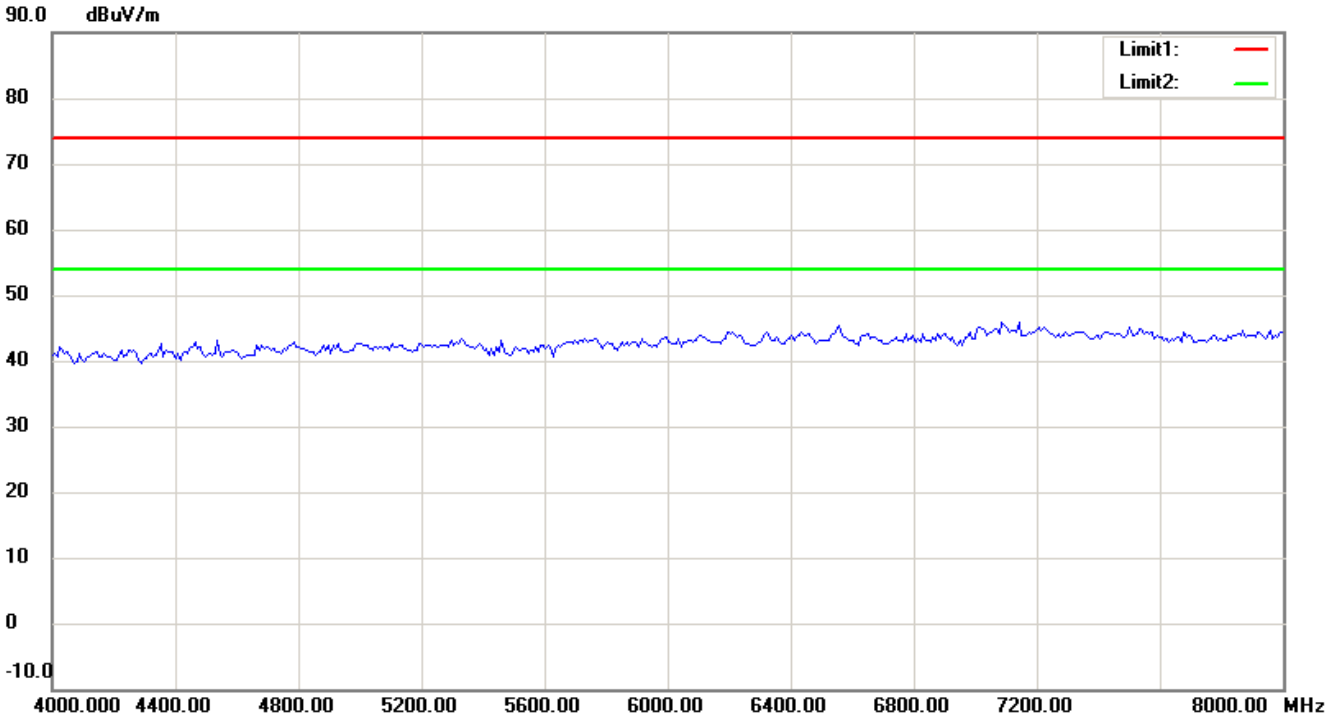
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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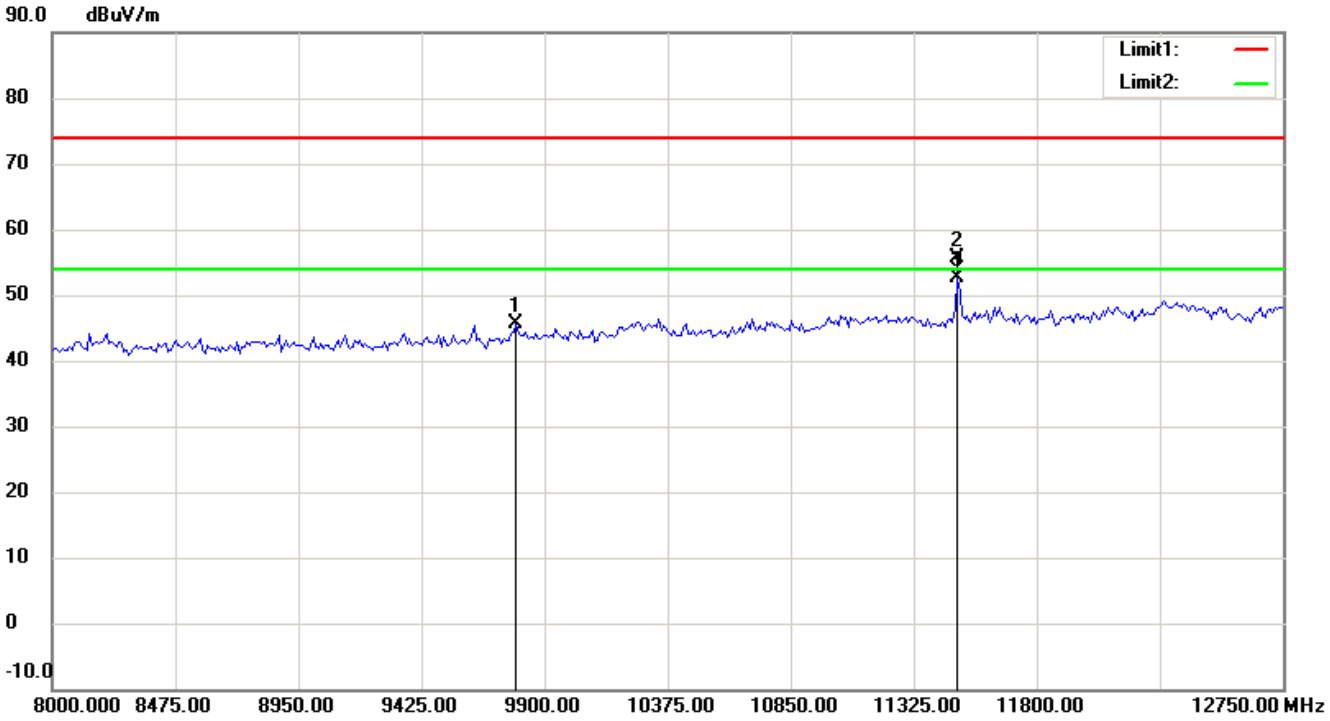
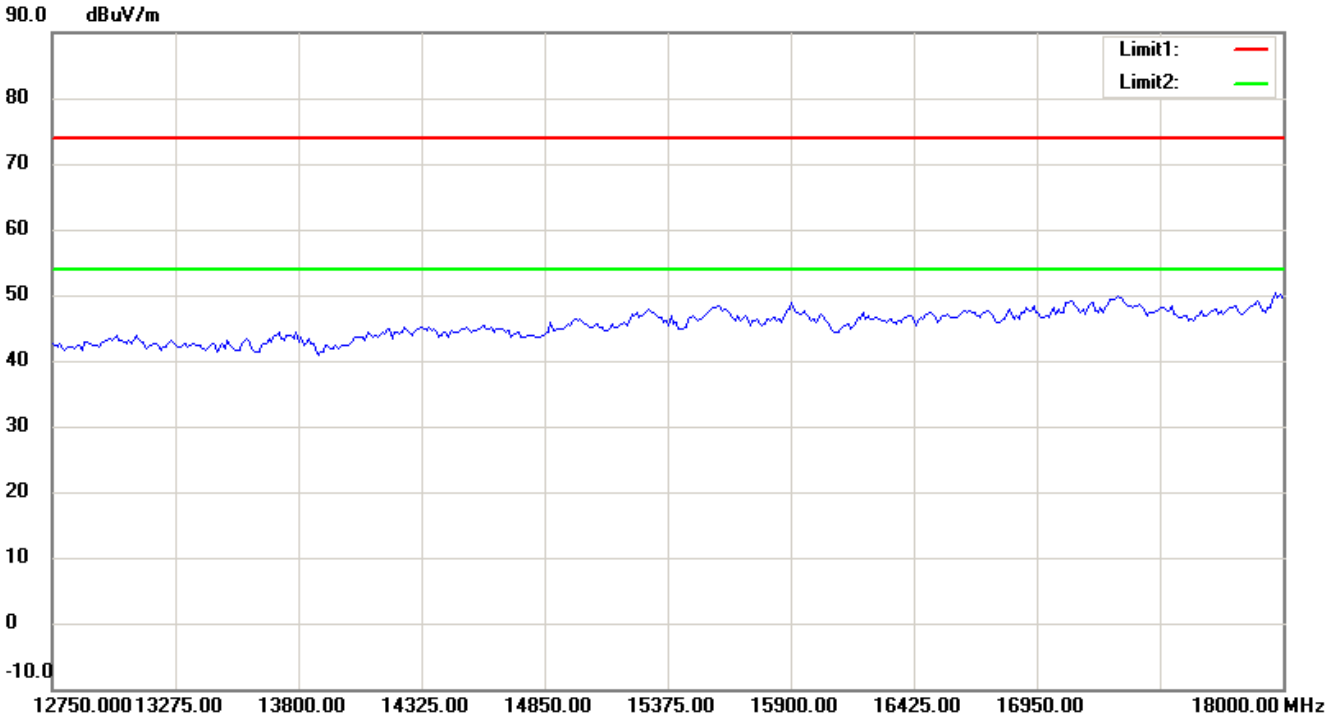
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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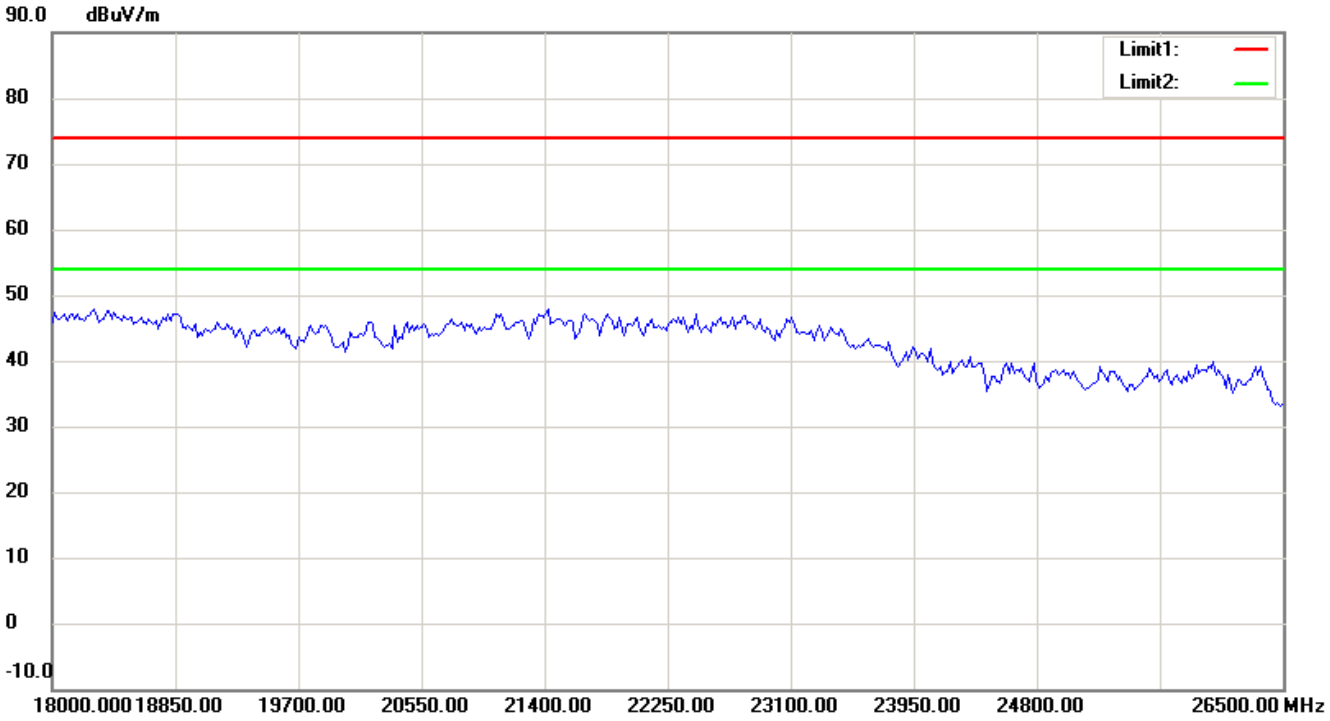
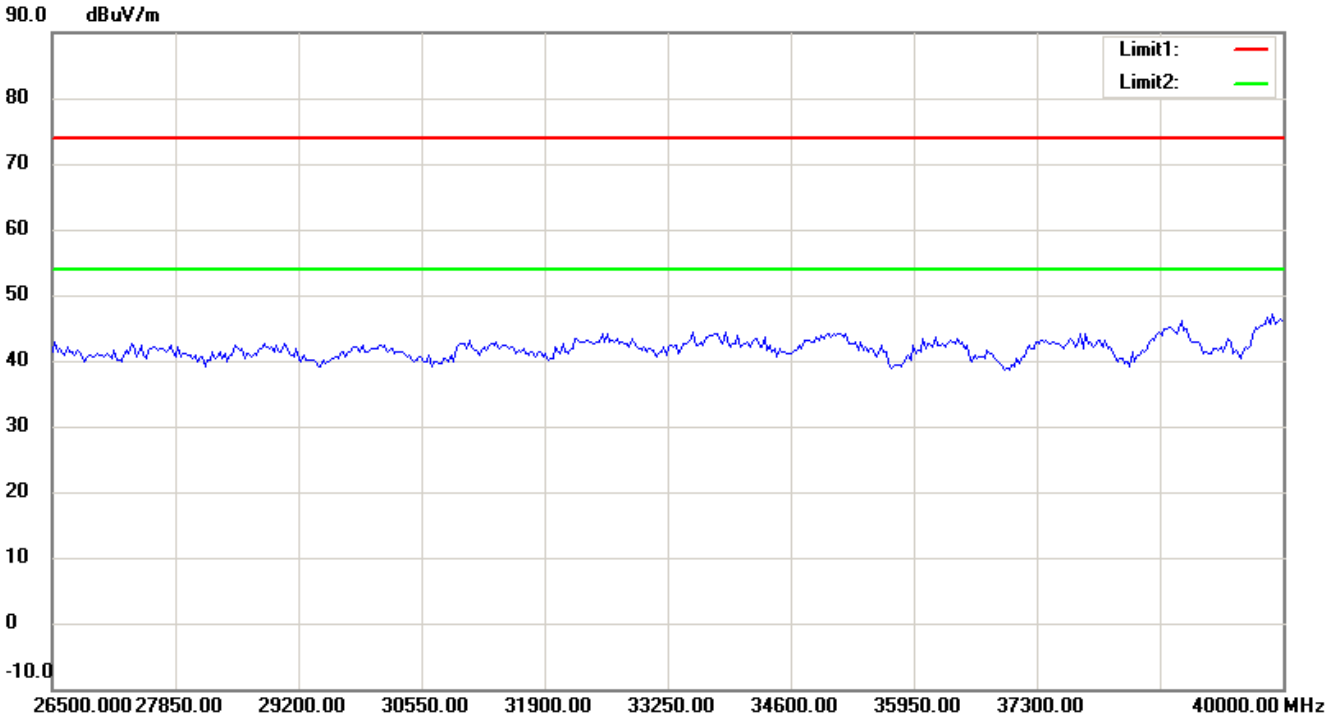
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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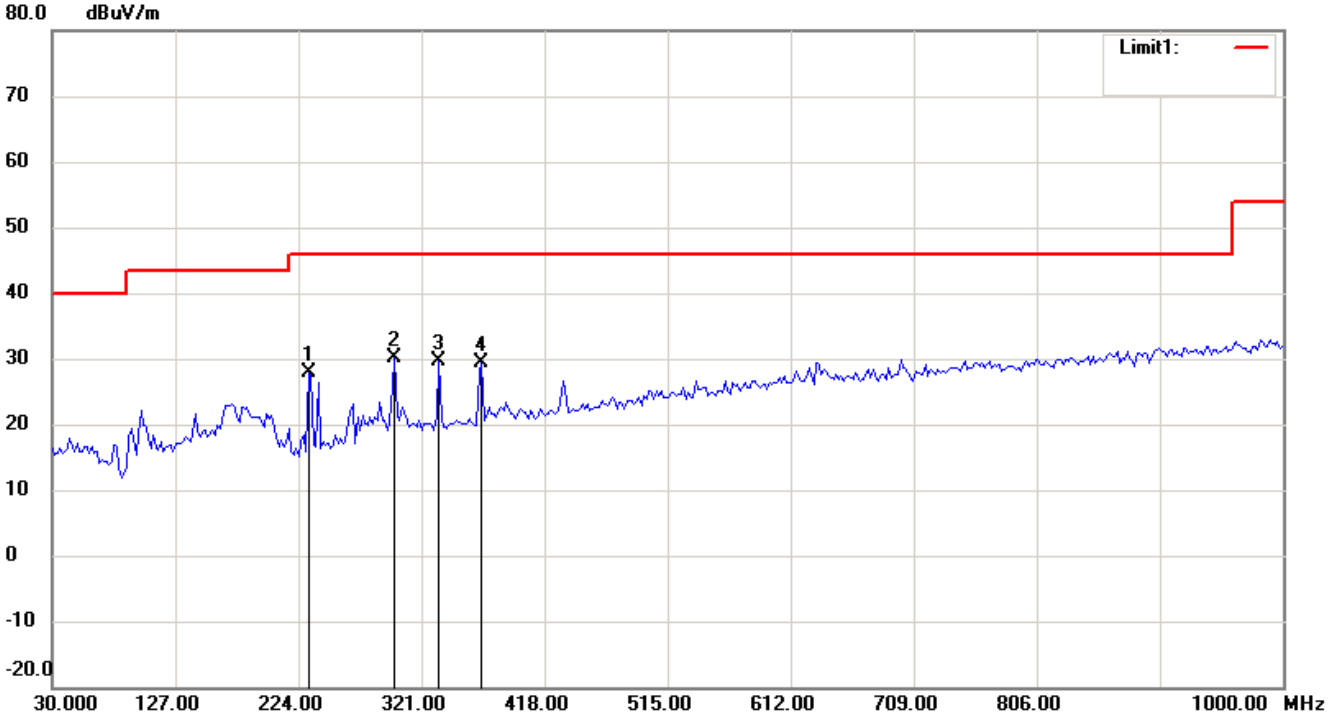
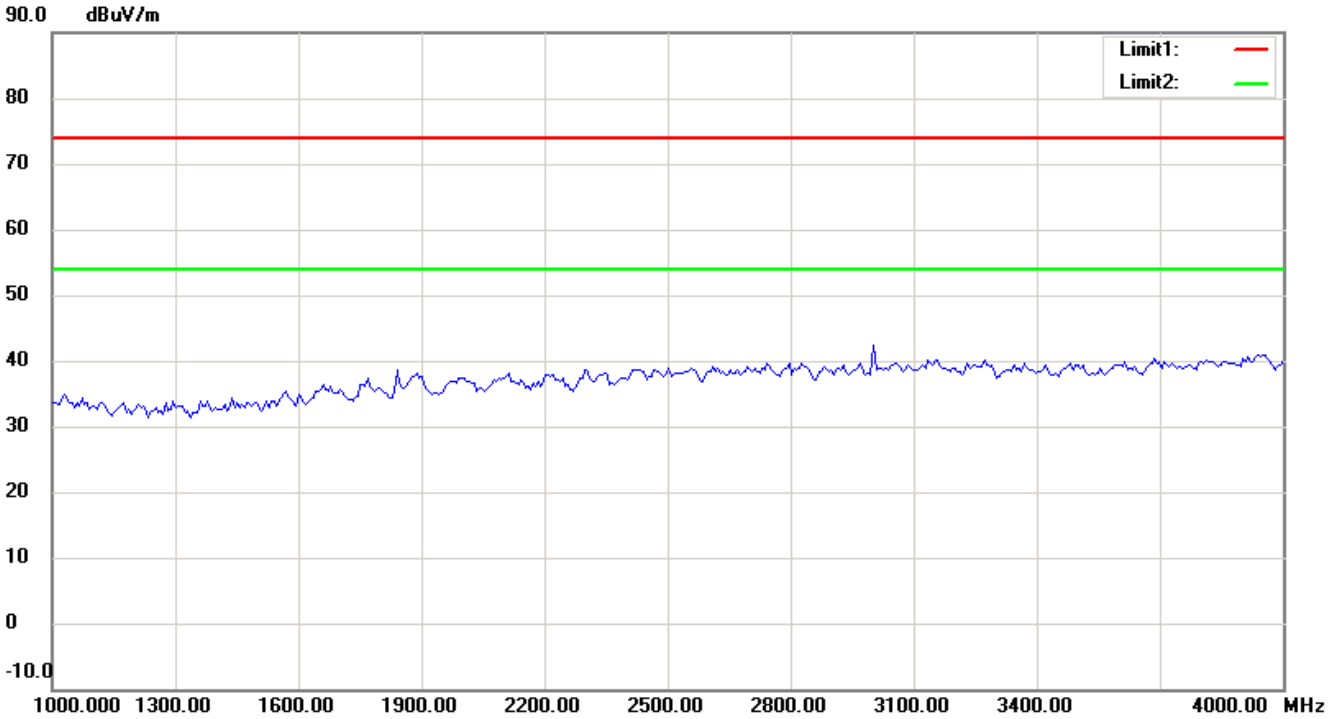
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11a 5785MHz
Antenna Polarization H

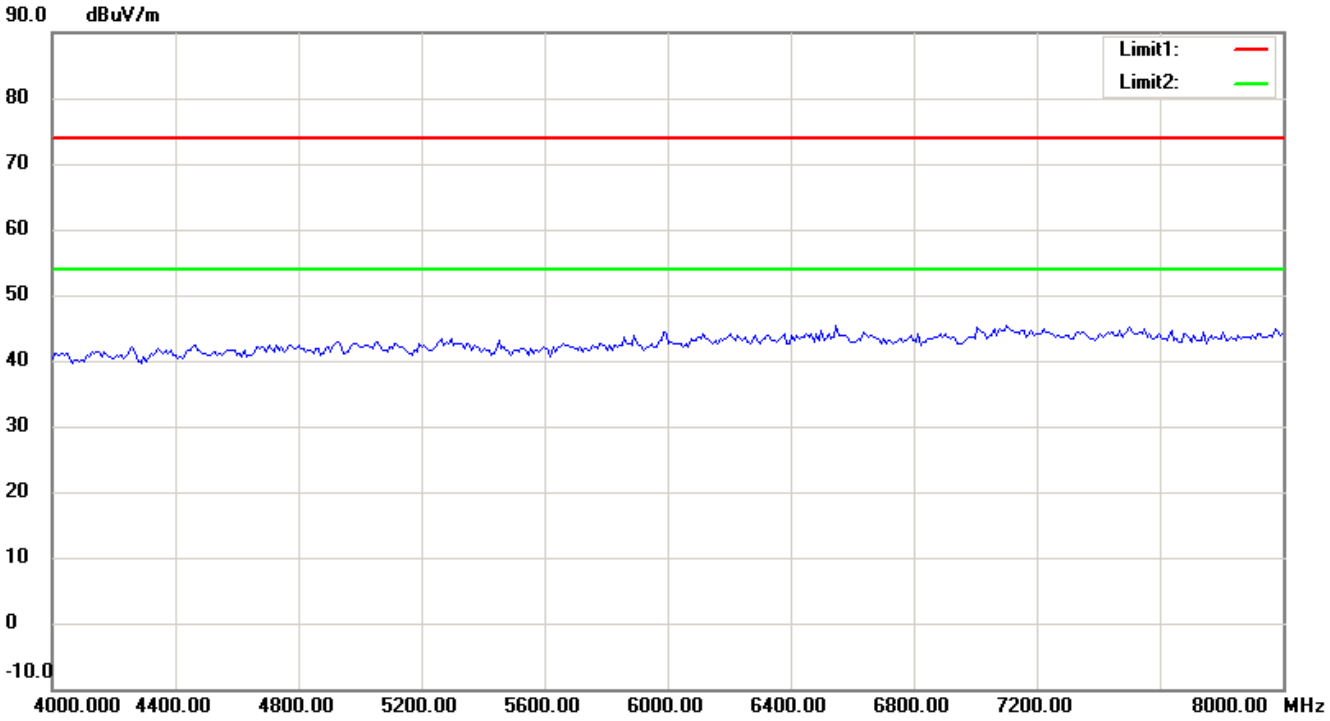


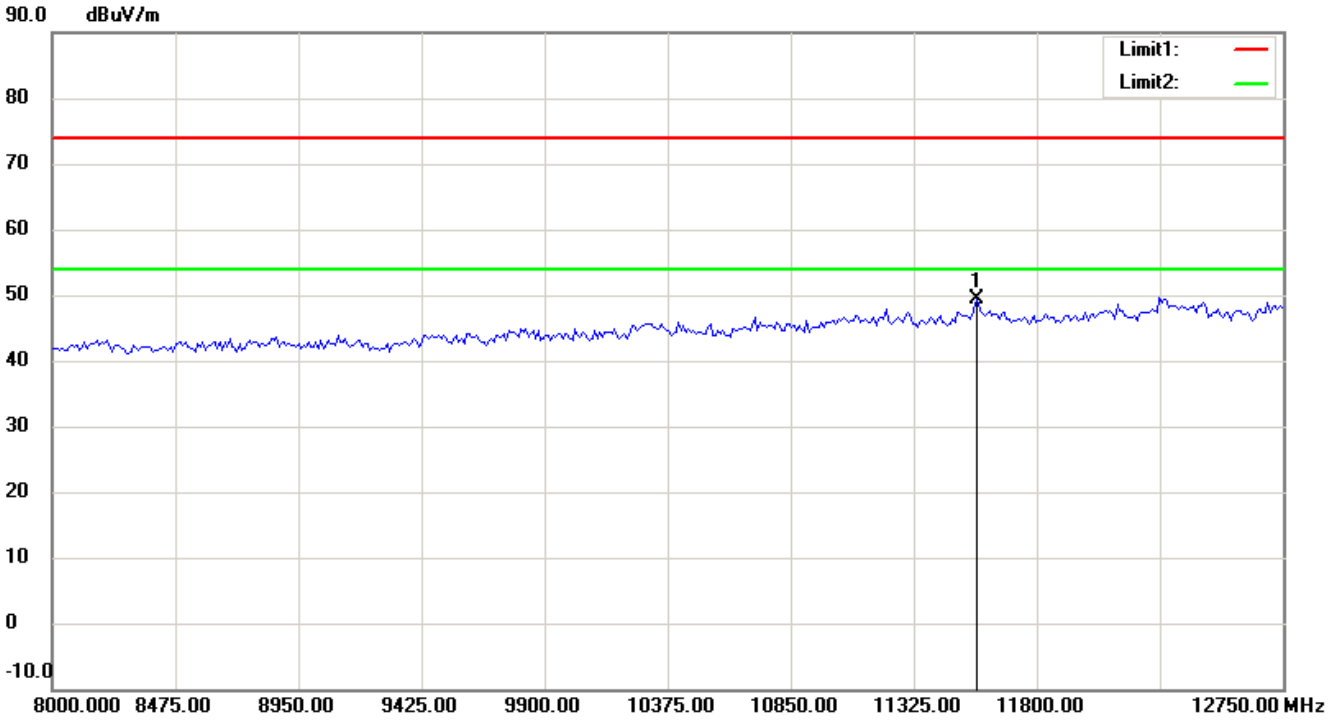


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

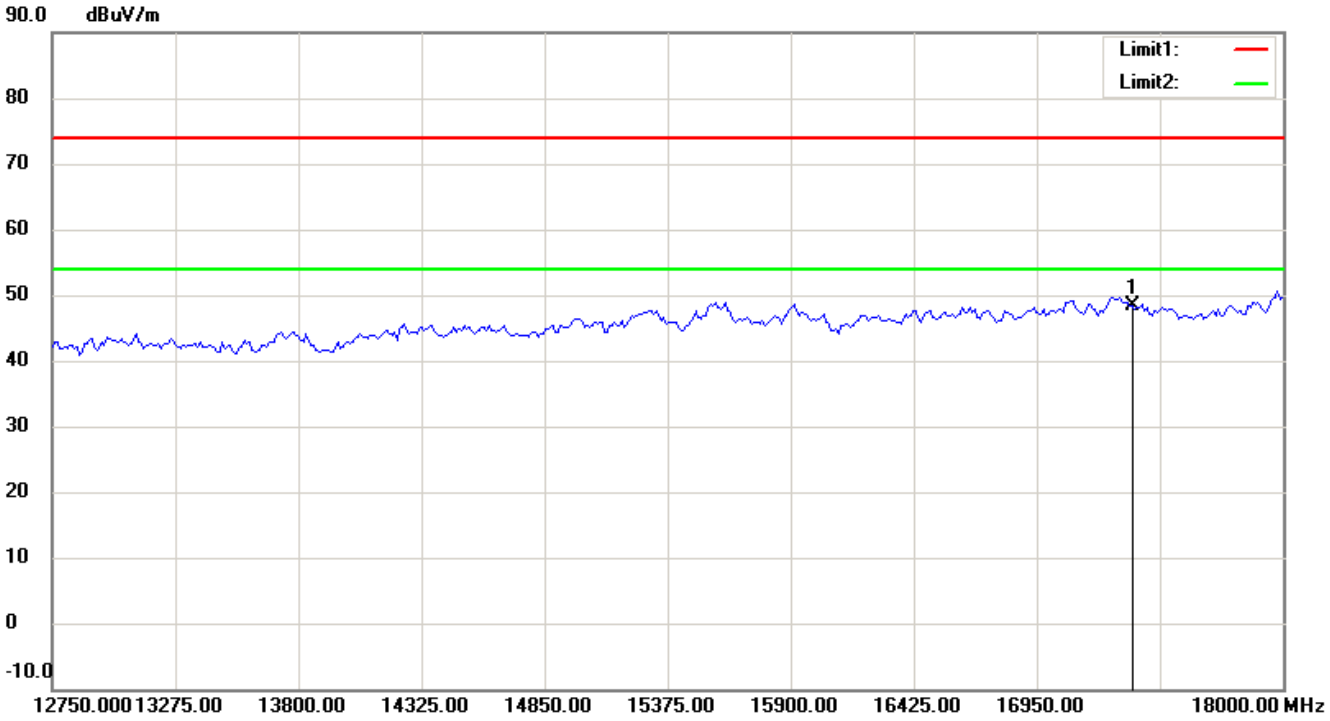


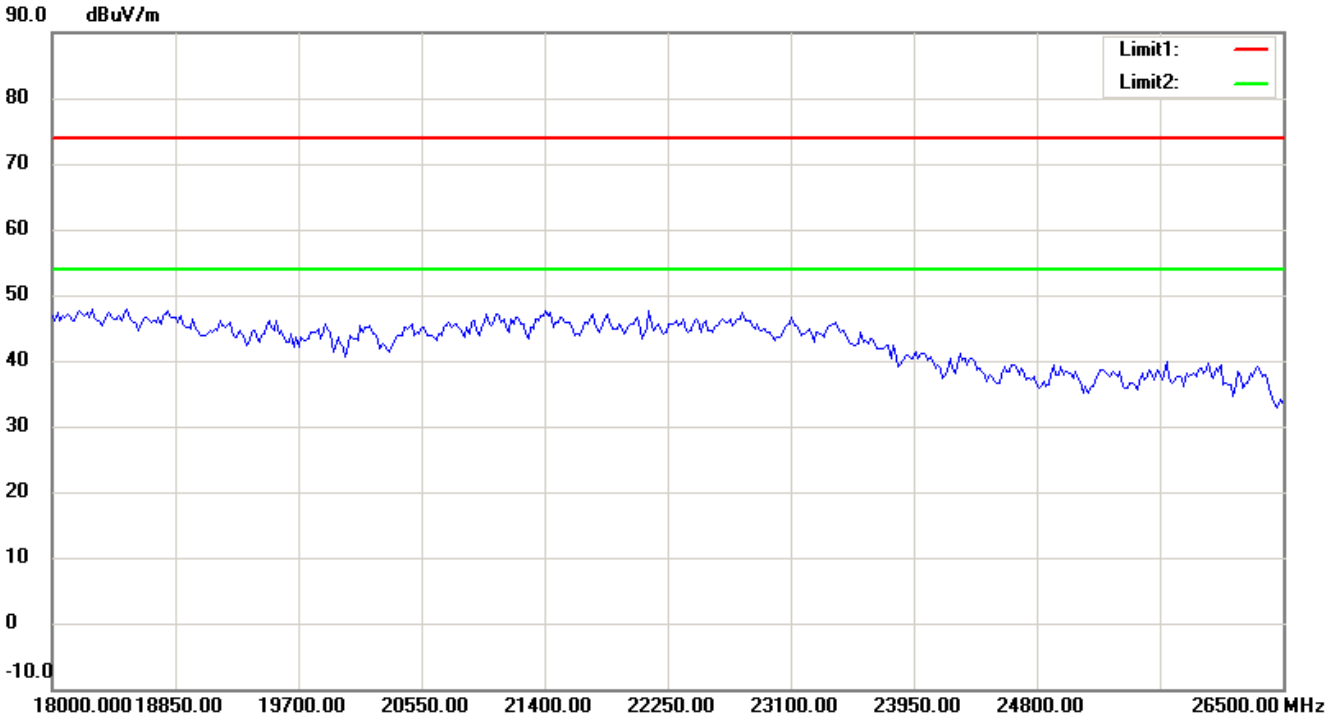


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

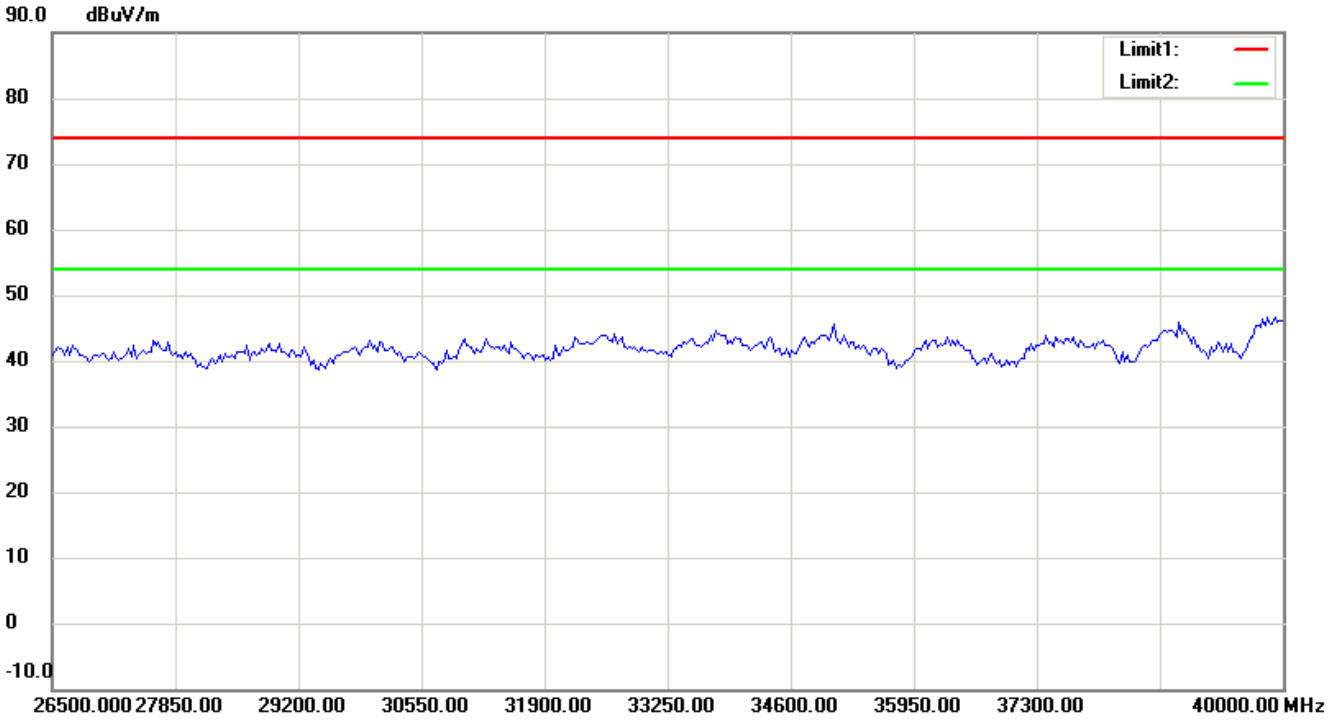




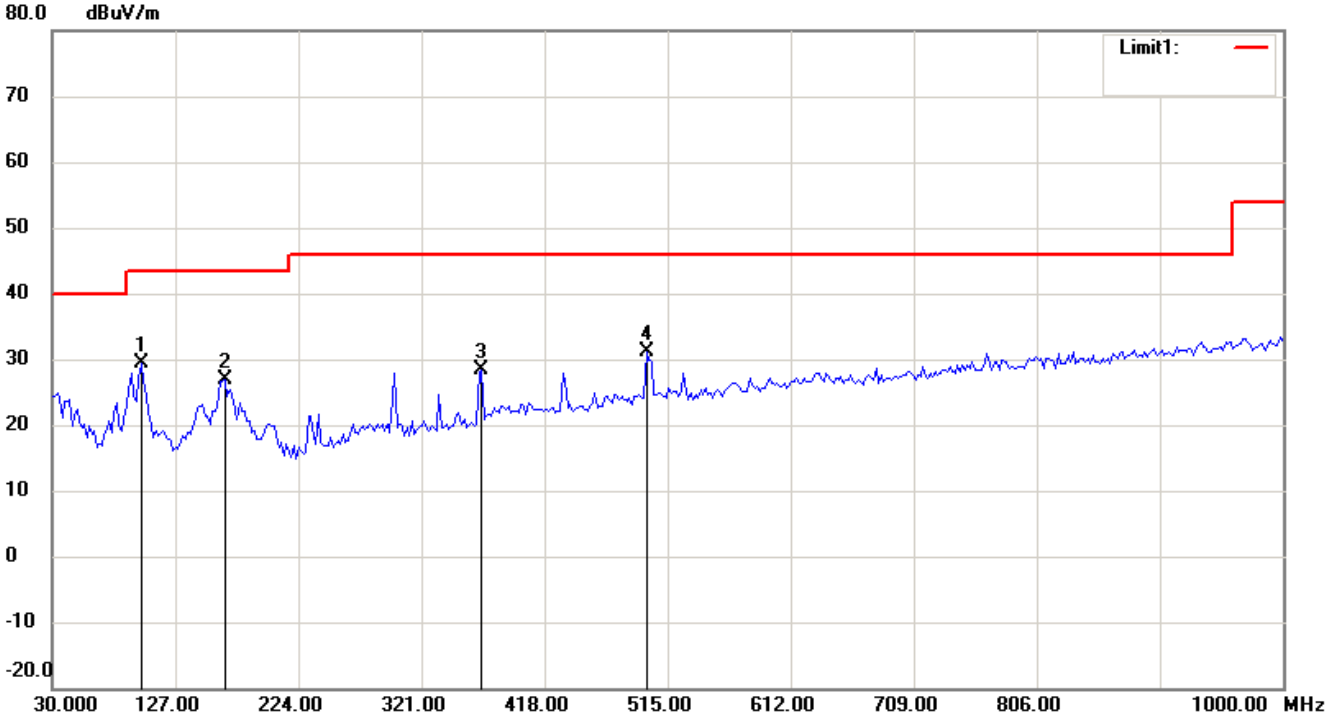
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



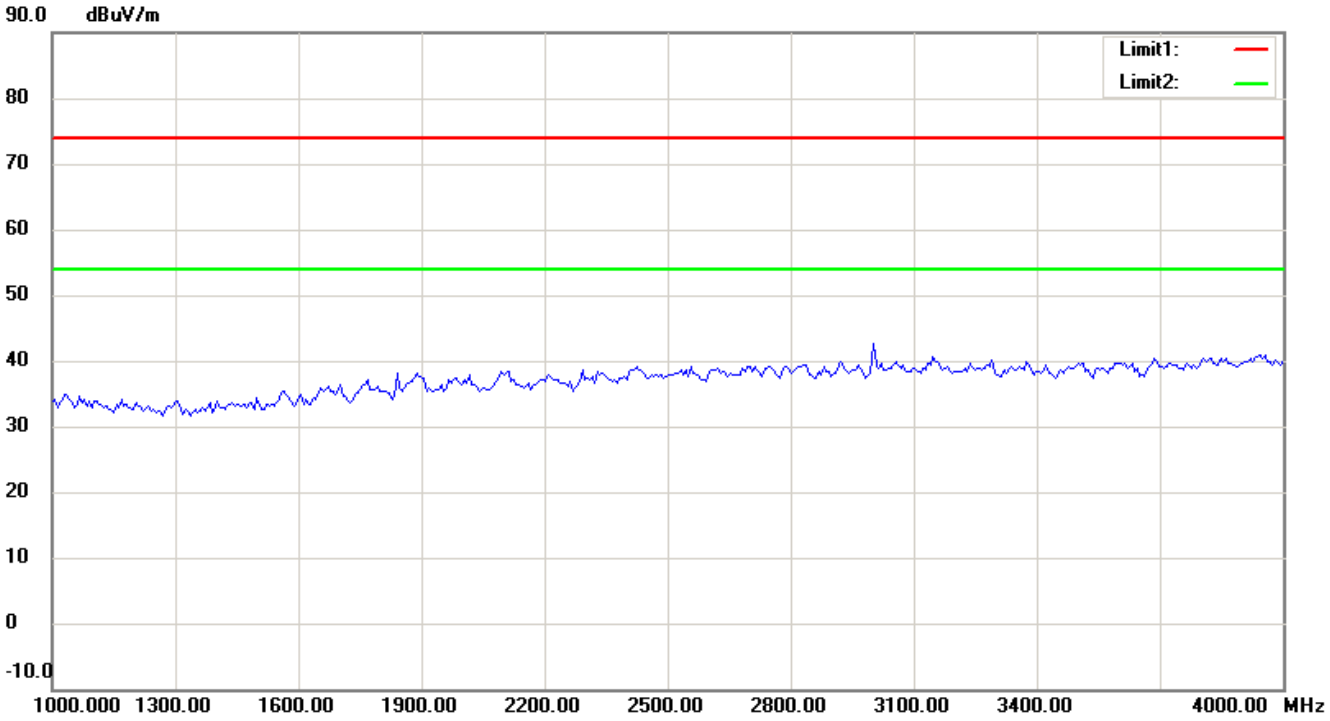
Antenna Polarization V

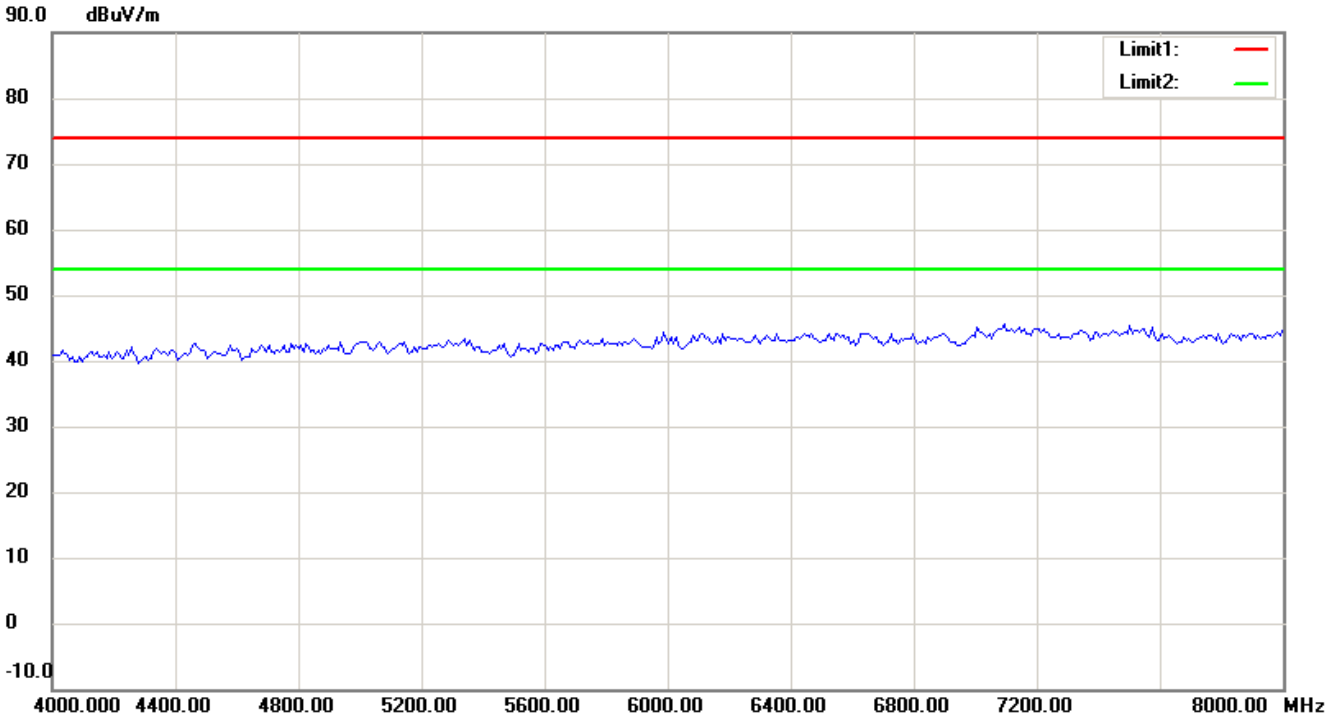


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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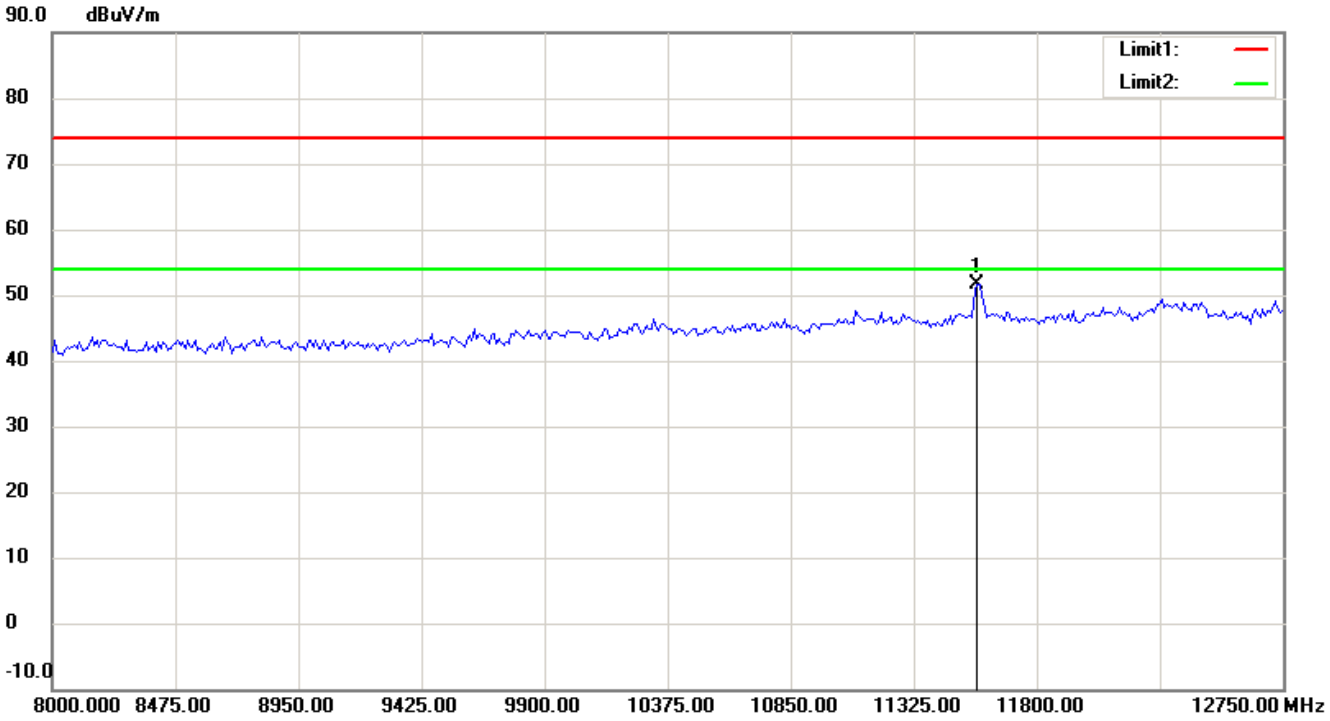
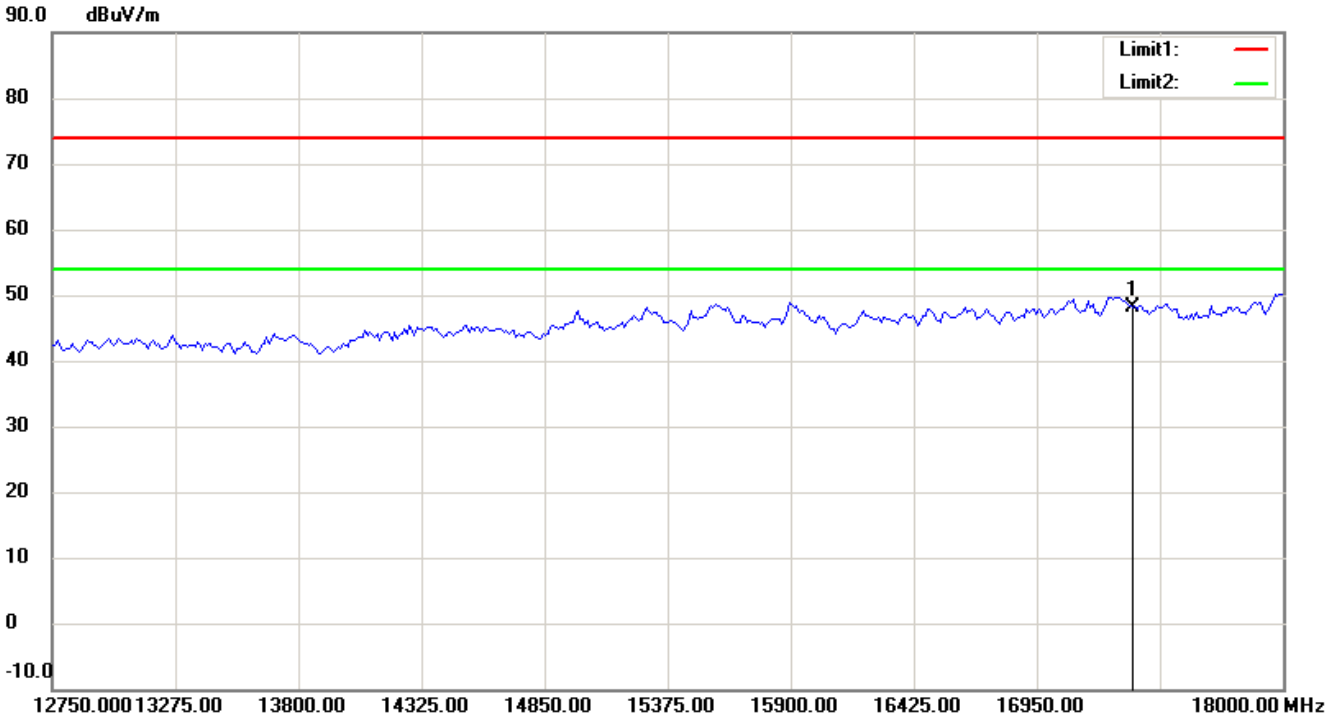
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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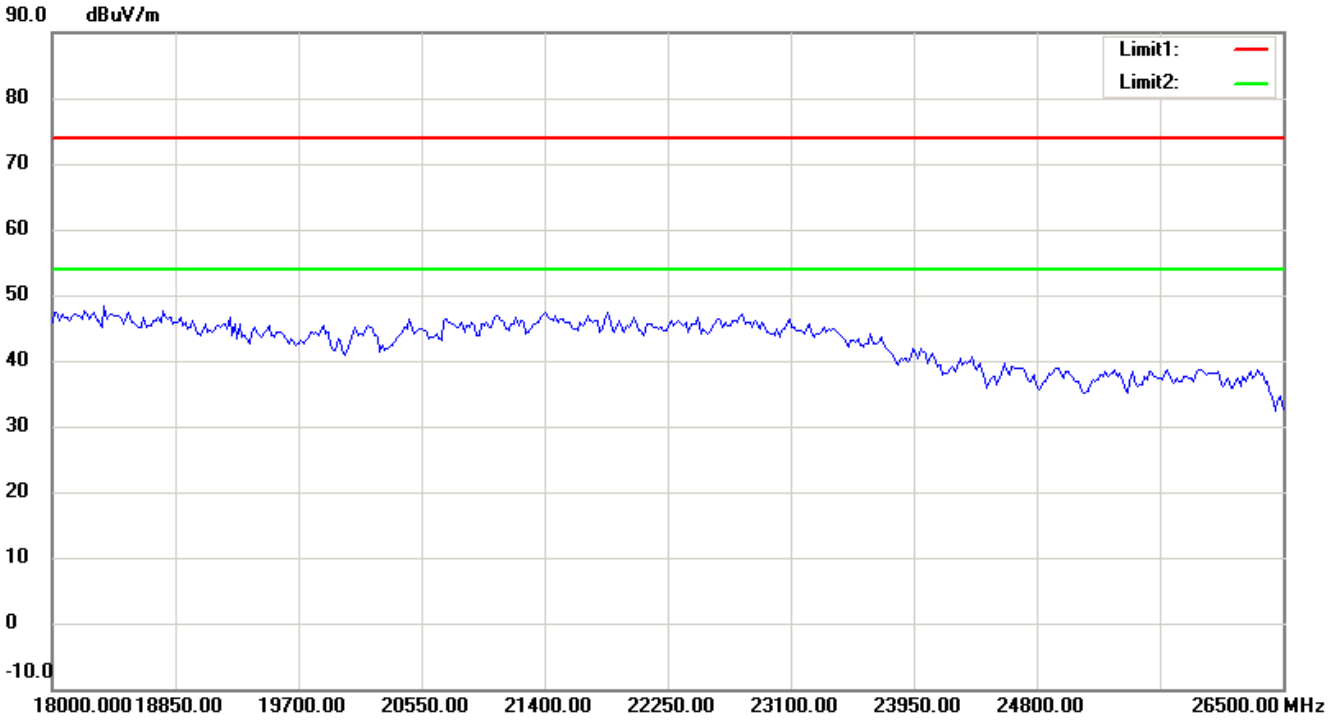
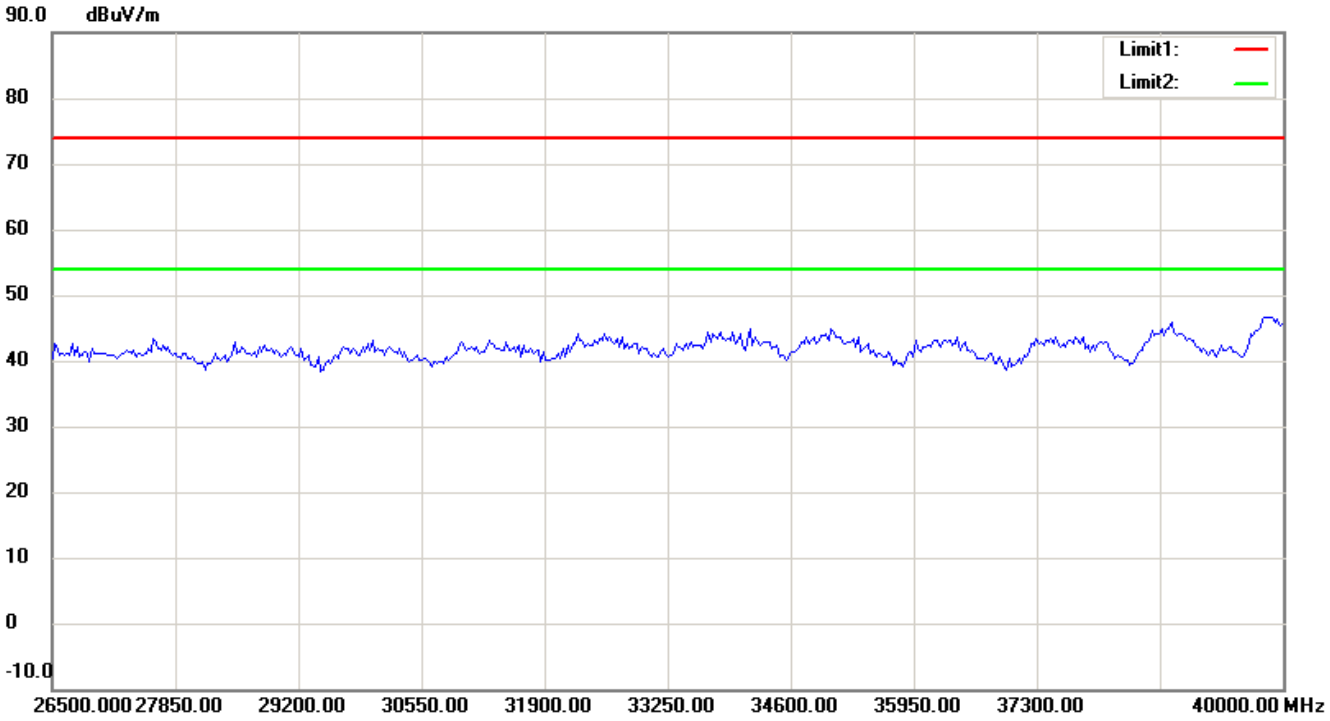
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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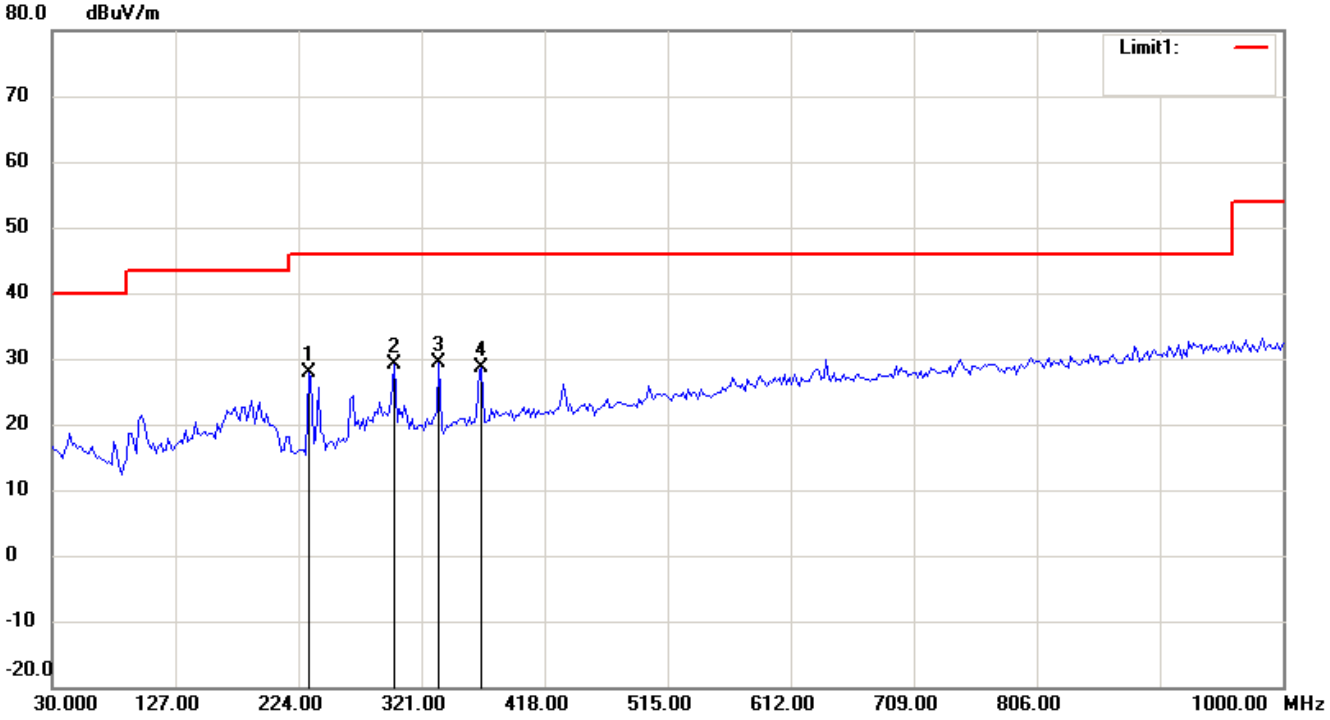
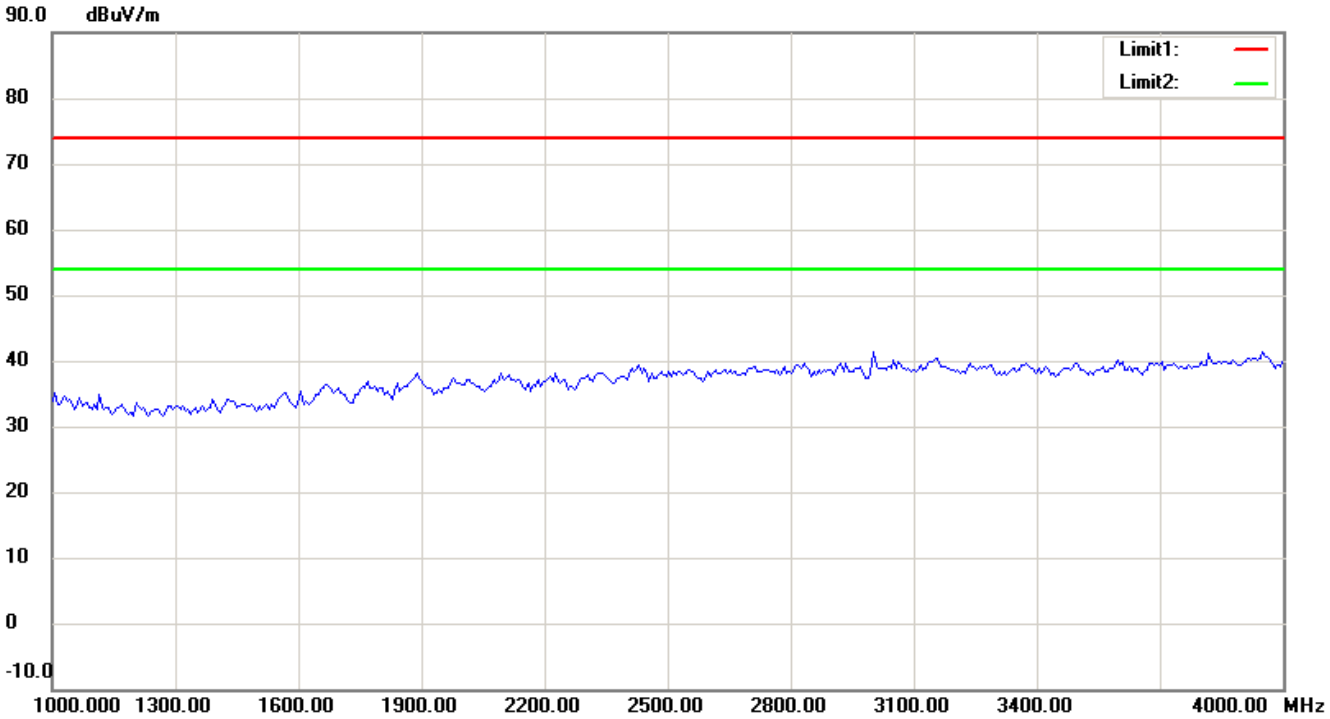
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11a 5825MHz
Antenna Polarization H





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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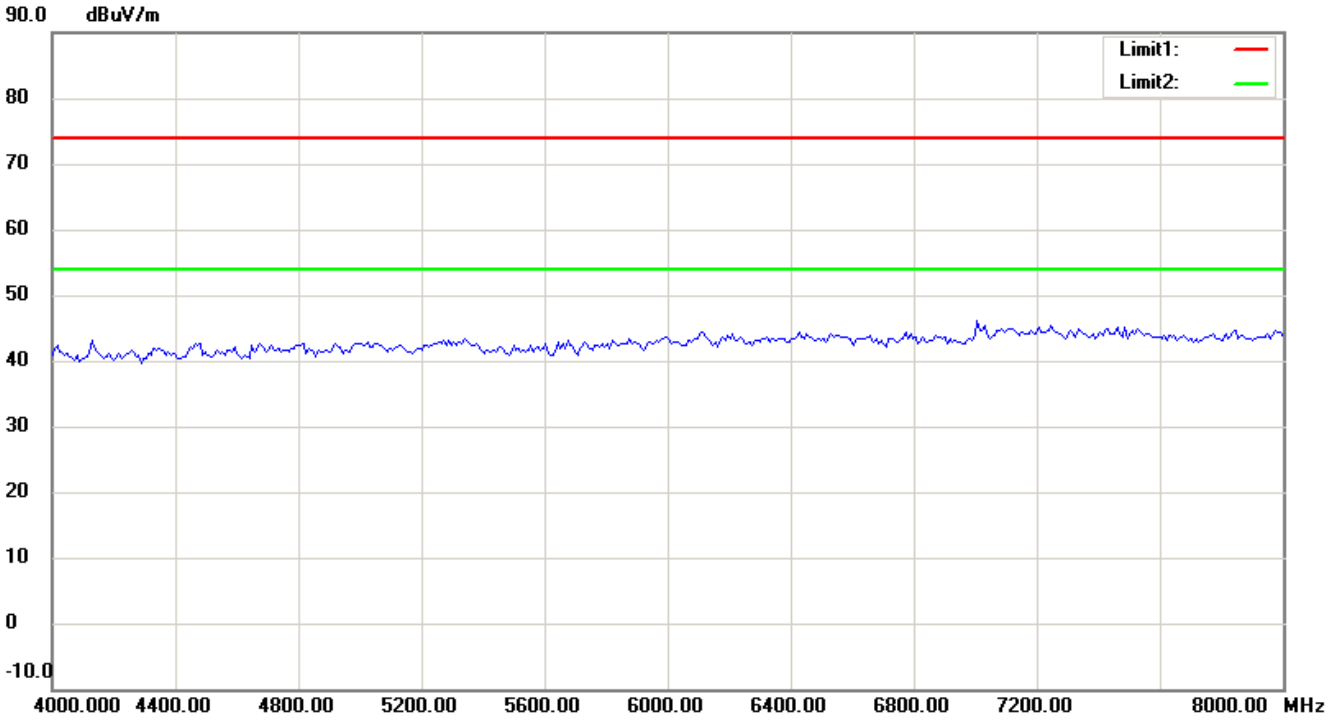
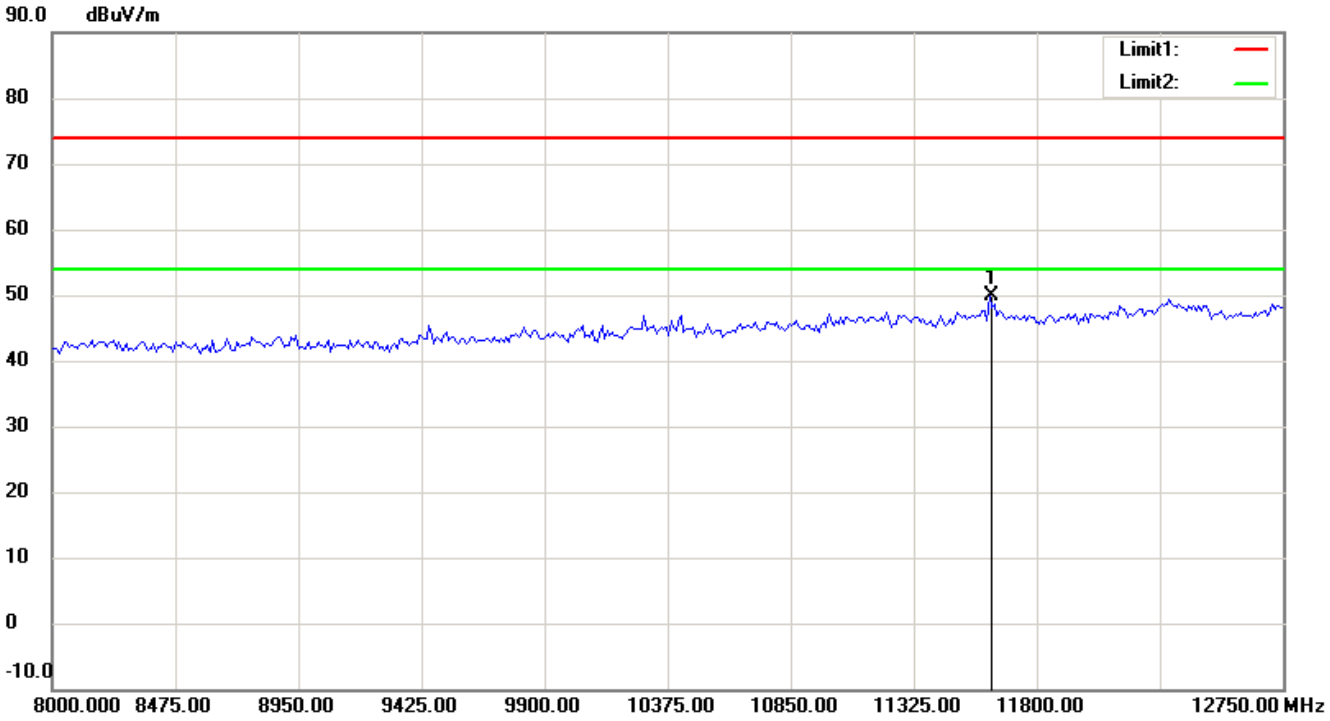
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

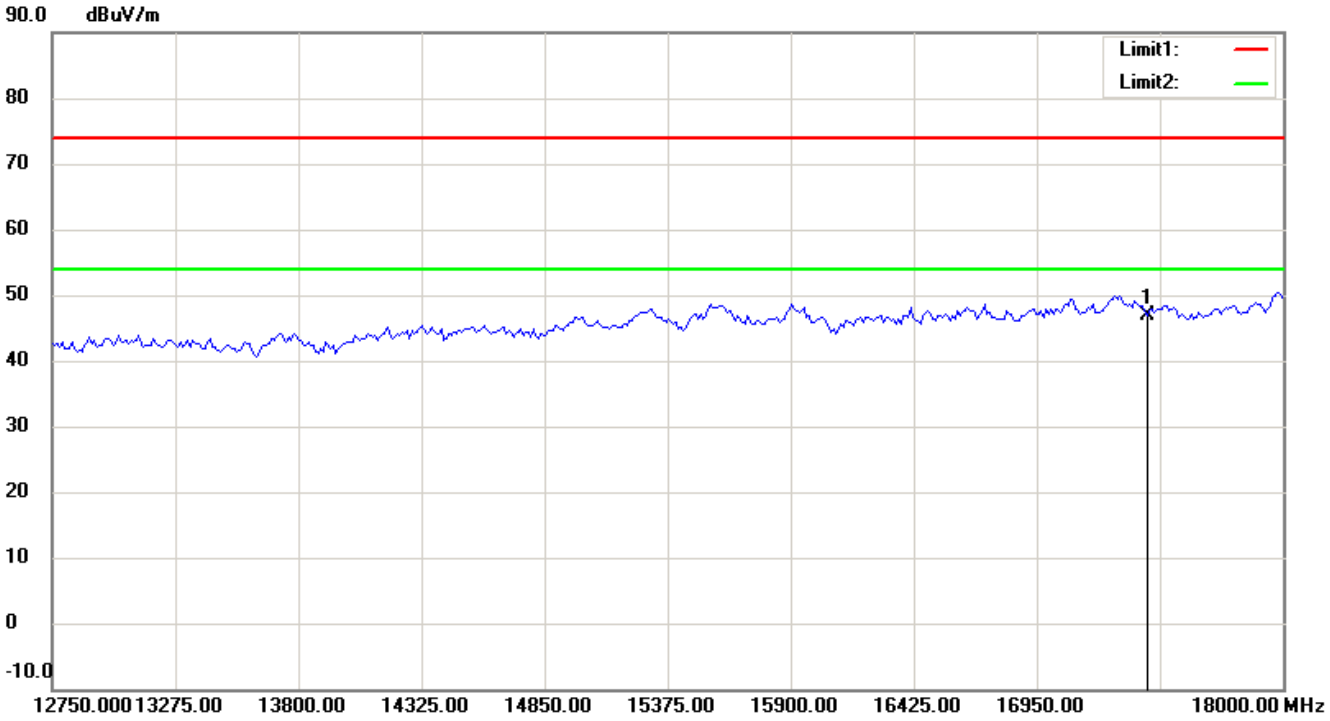


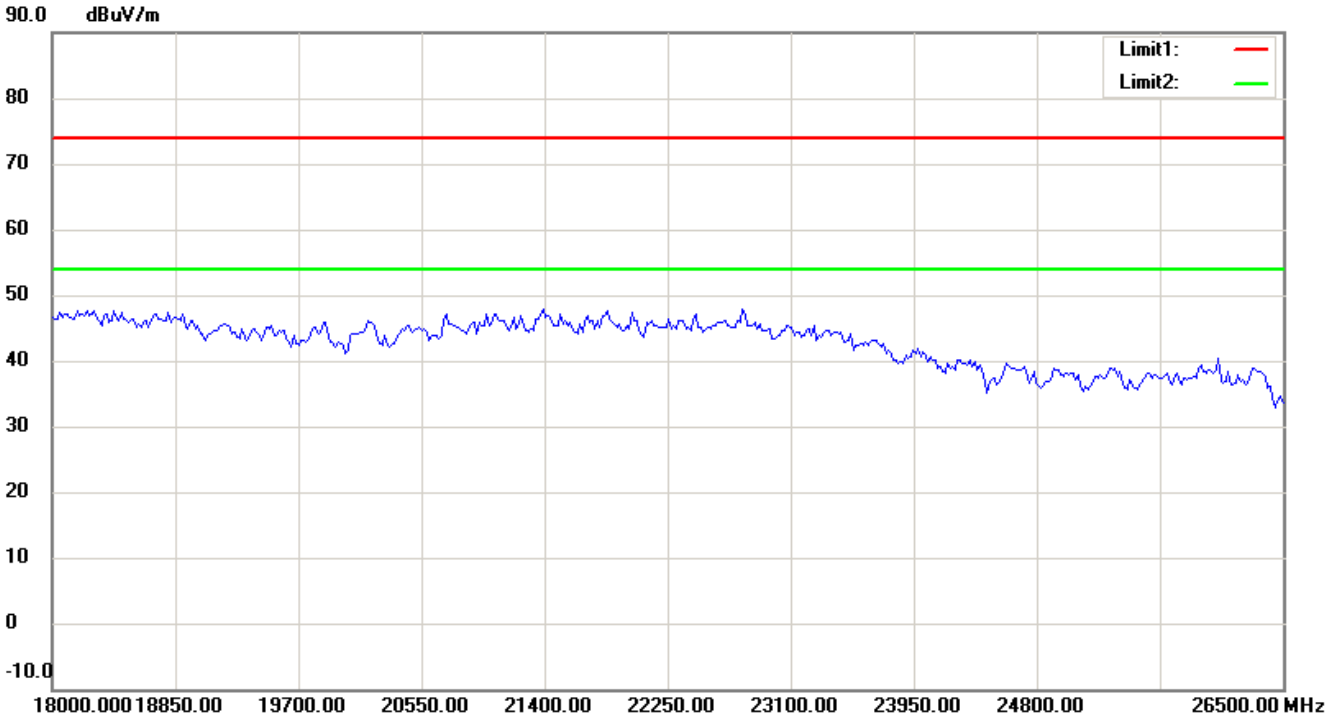


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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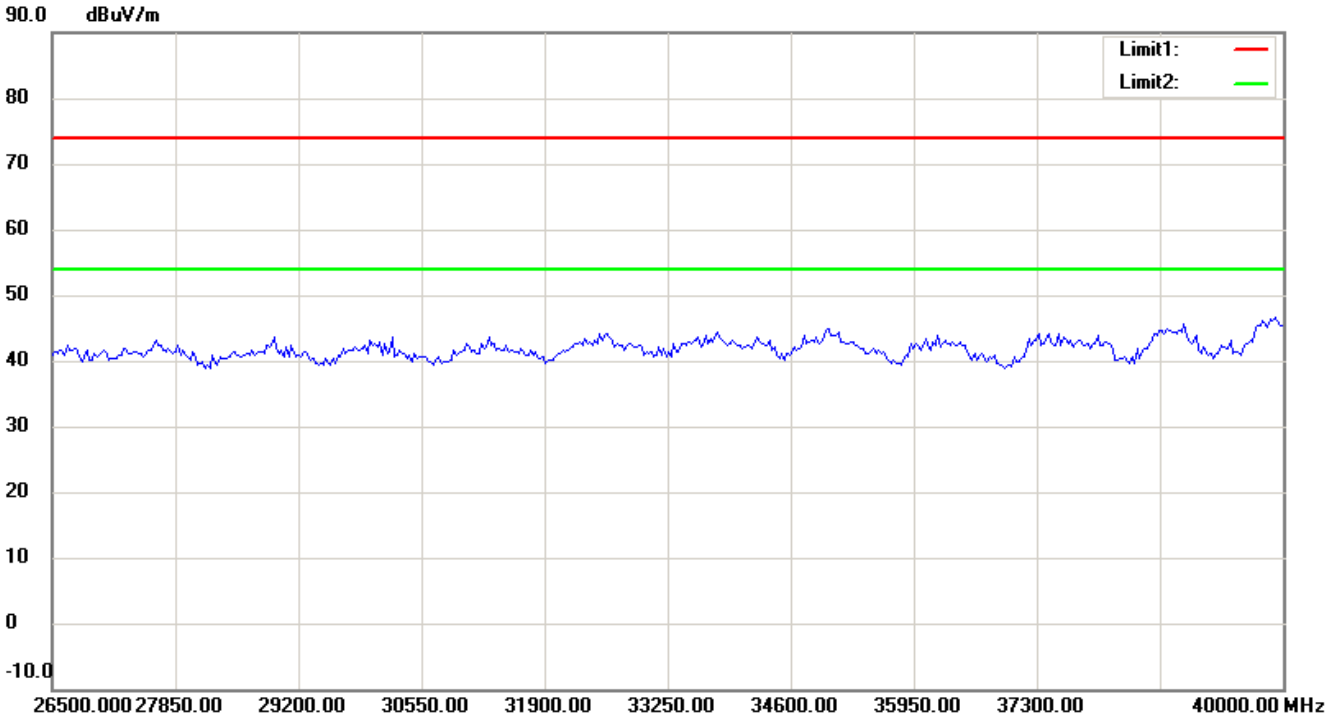
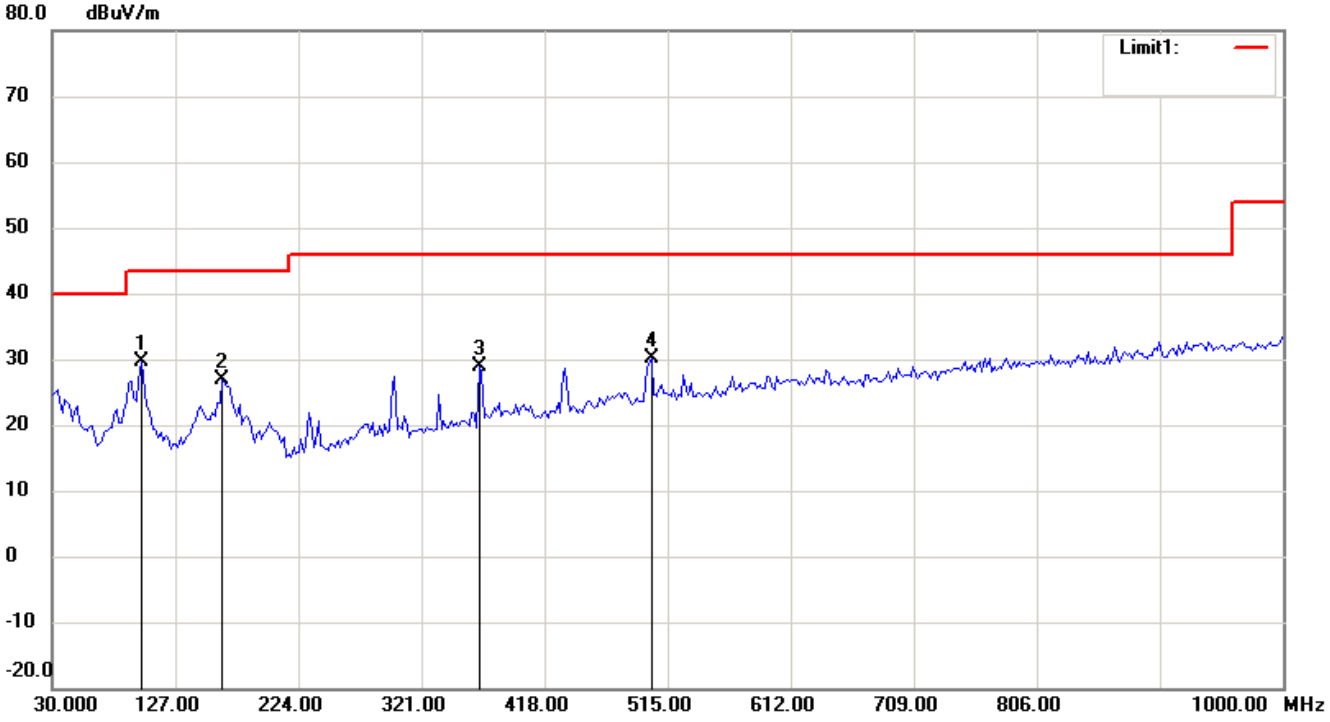
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



Antenna Polarization V



Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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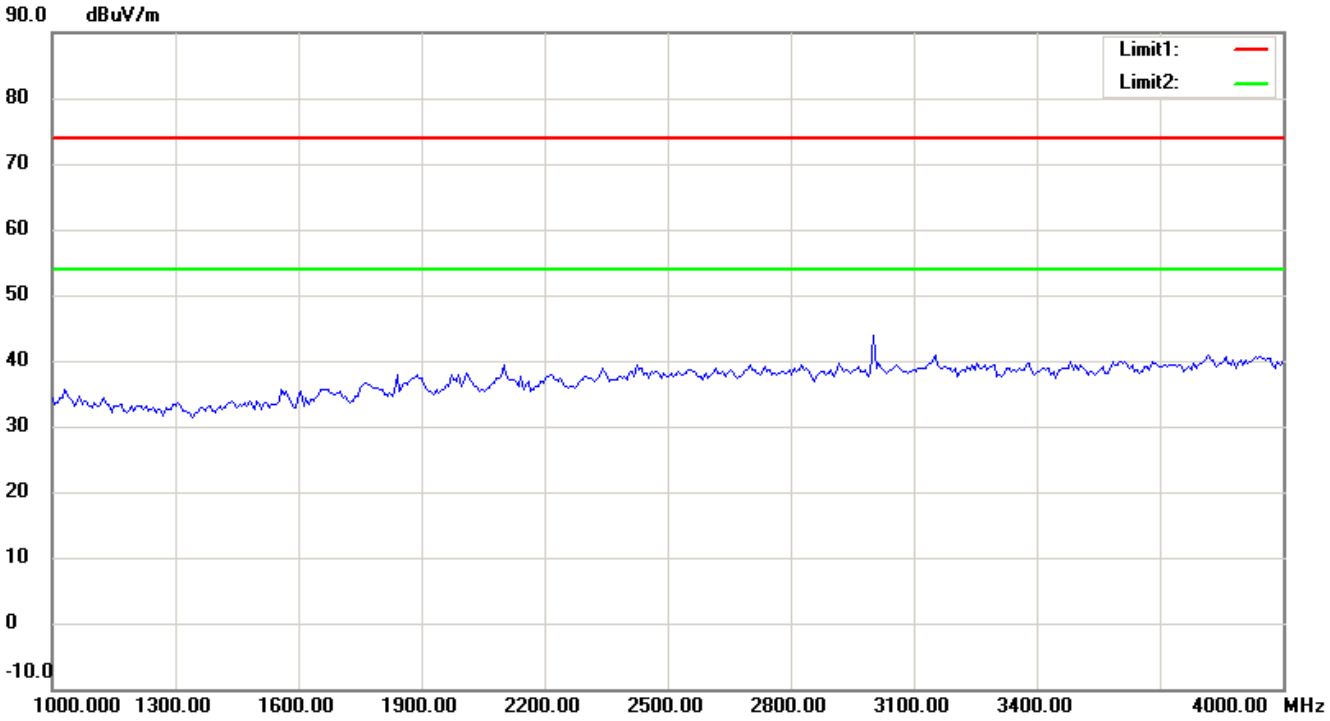
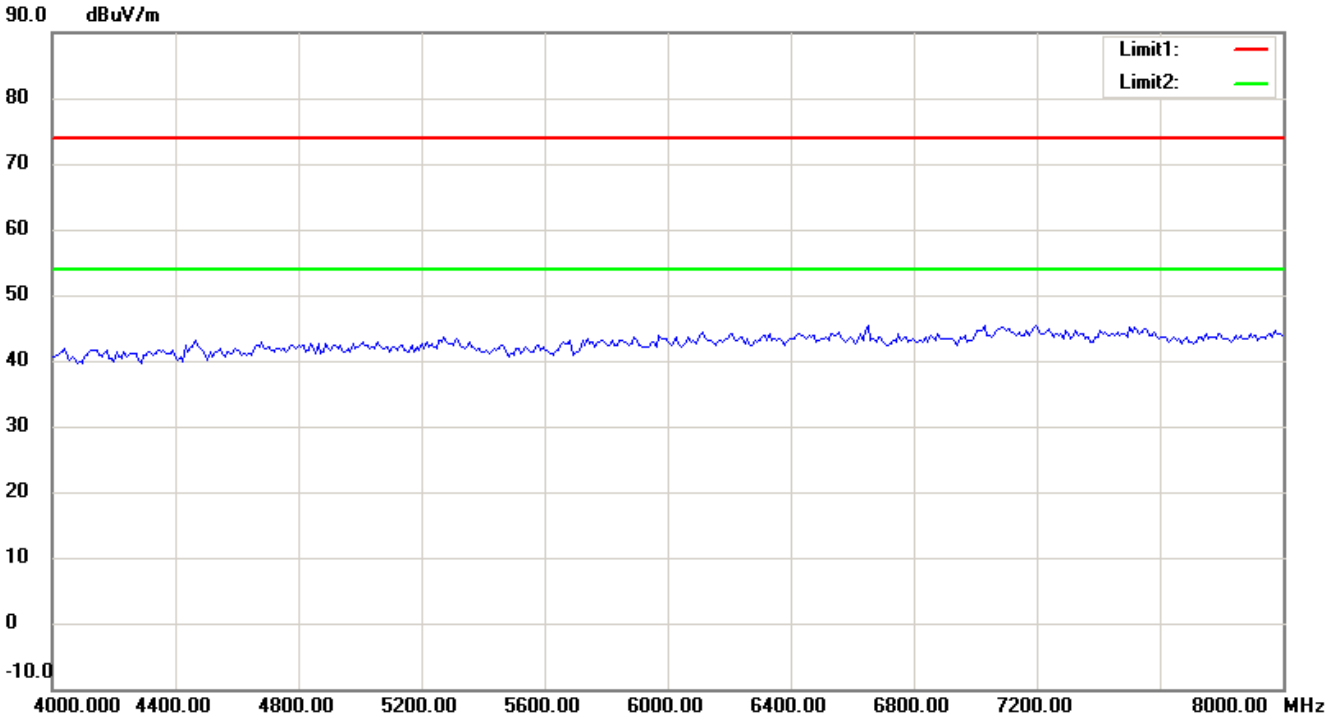
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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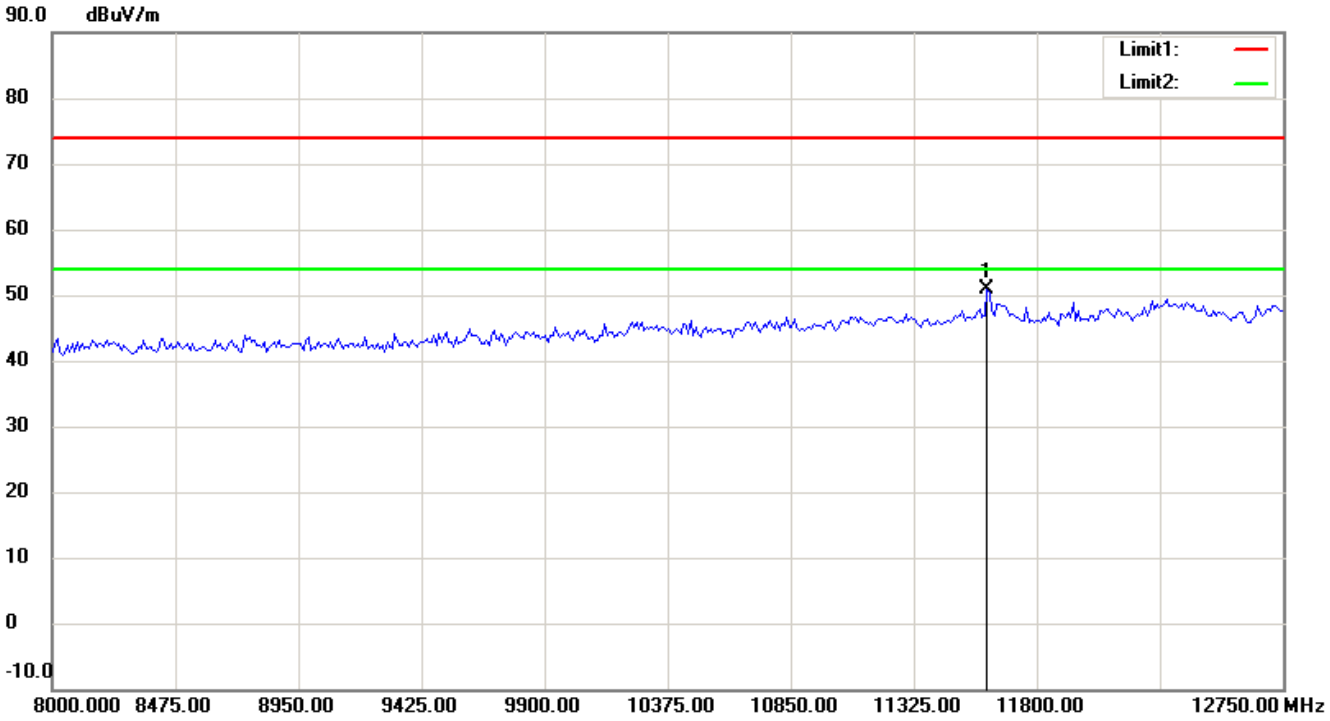
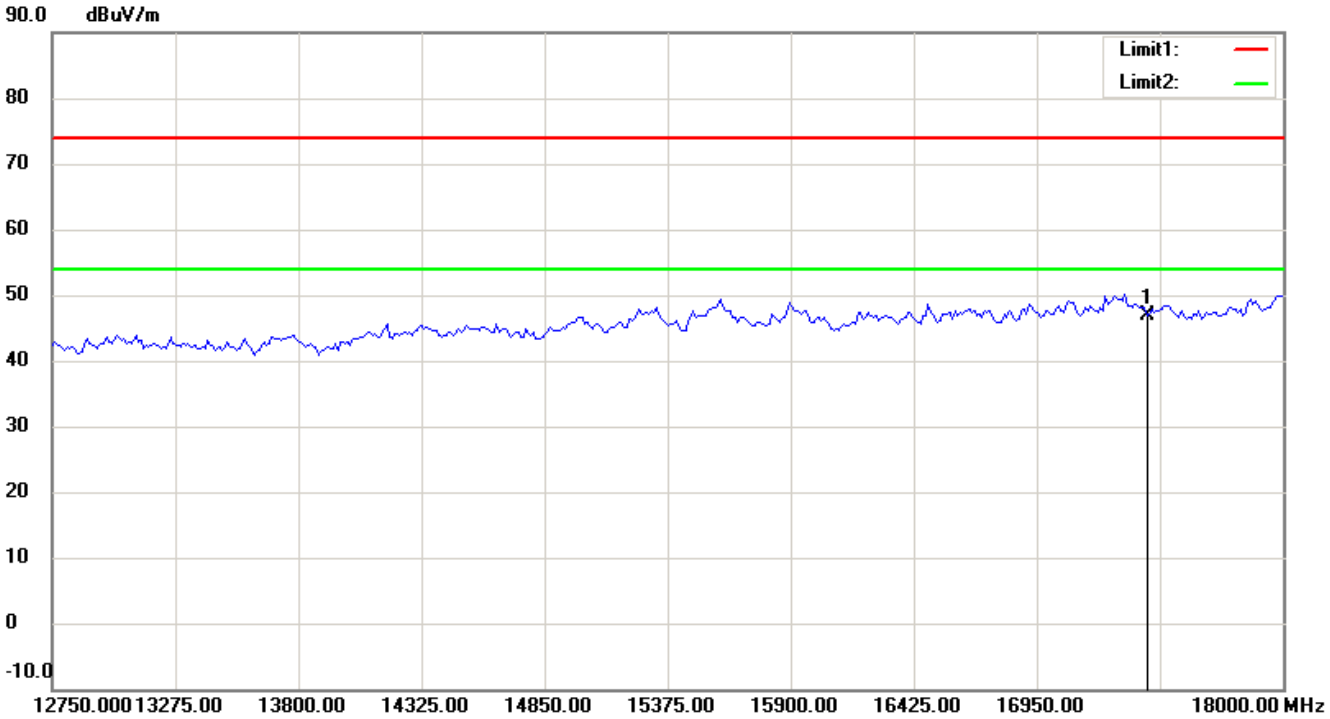
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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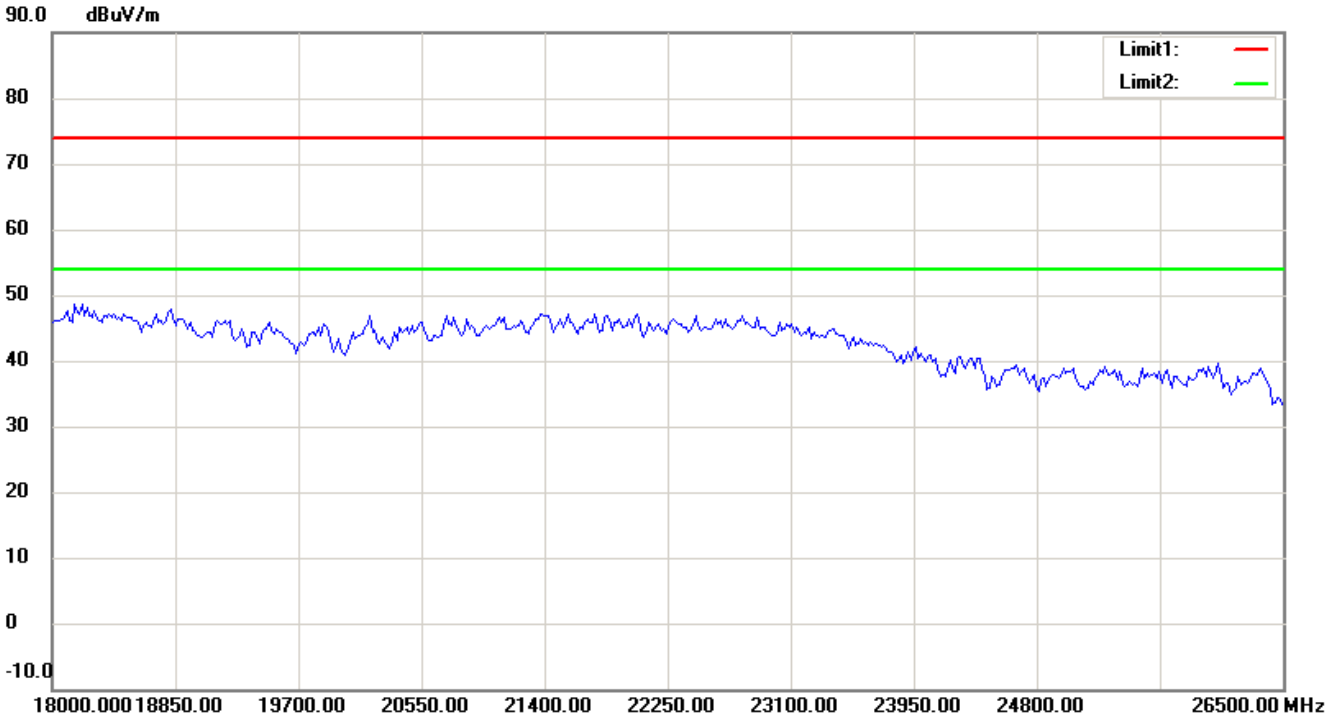
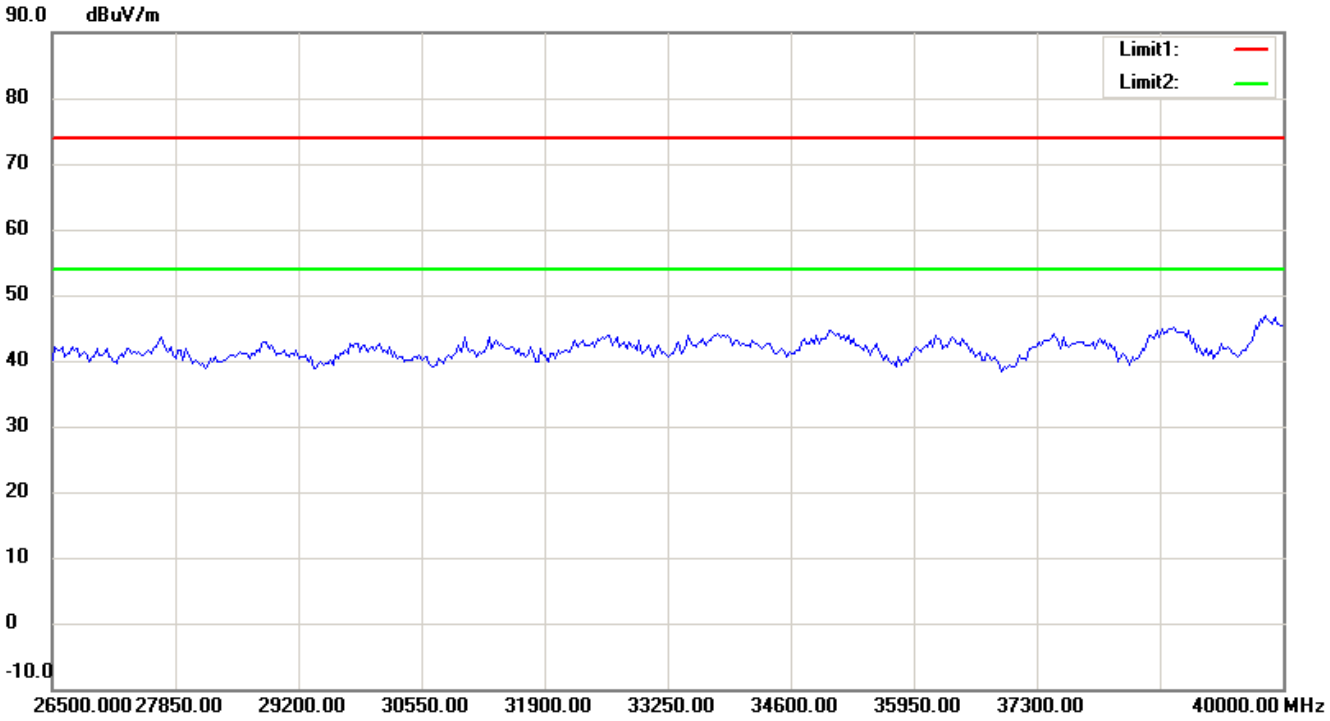
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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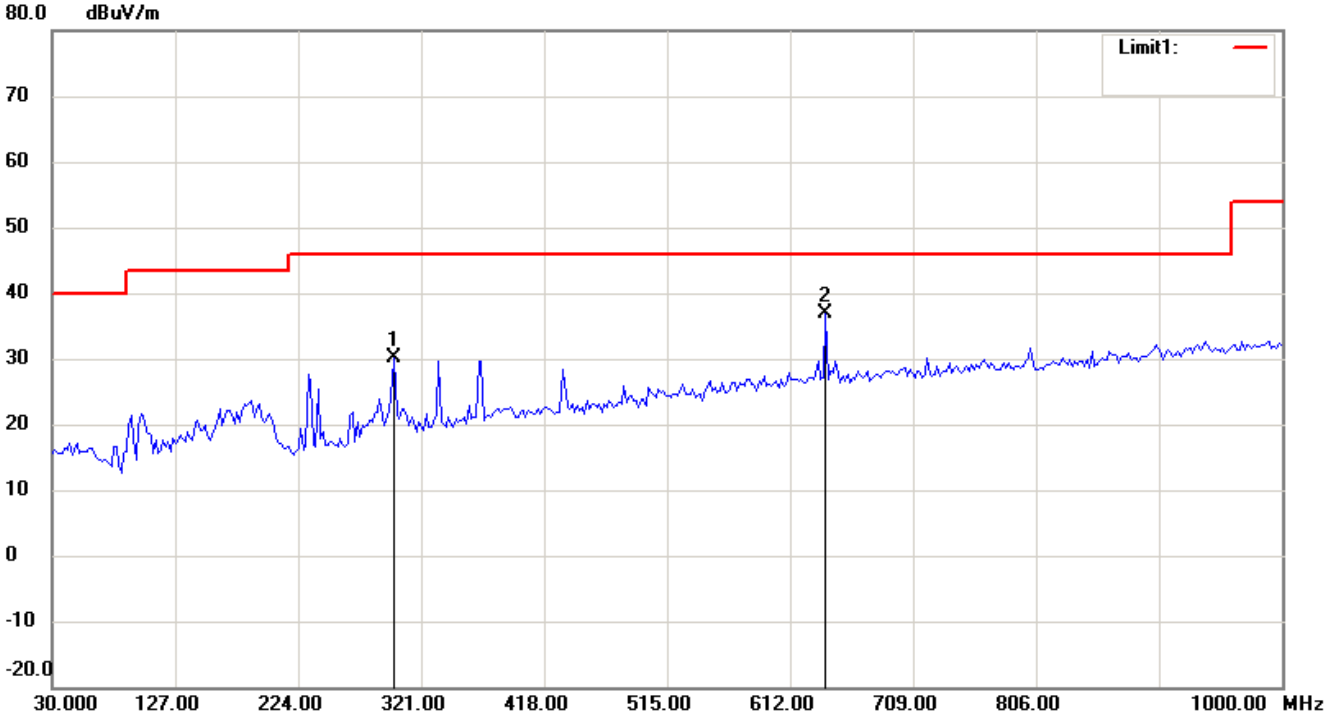
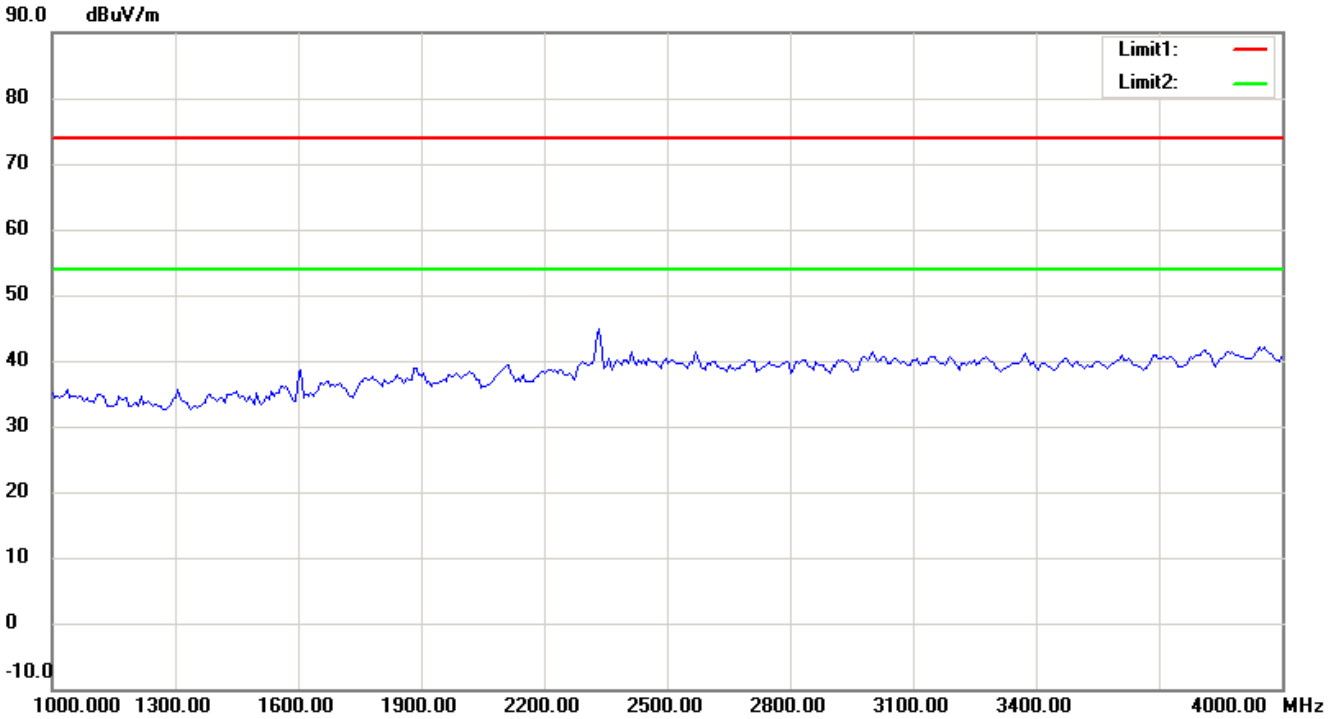
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11b 2412MHz
Antenna Polarization H





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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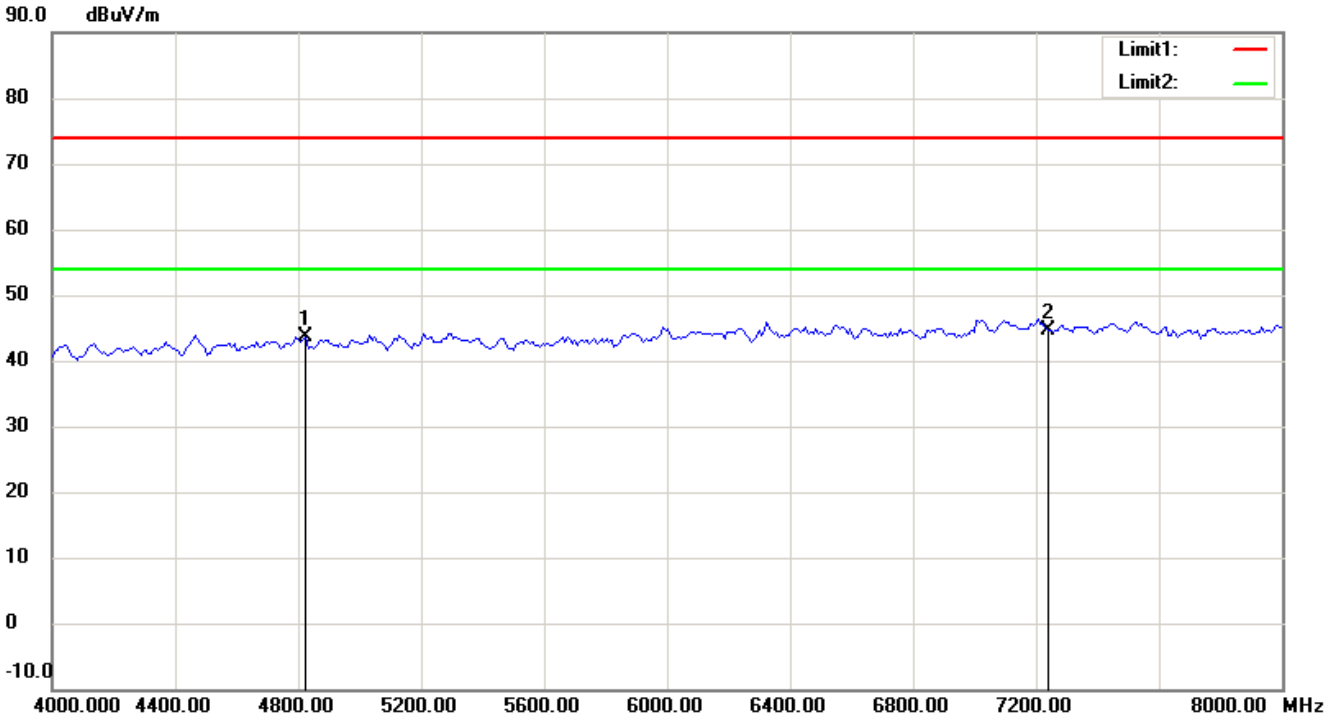
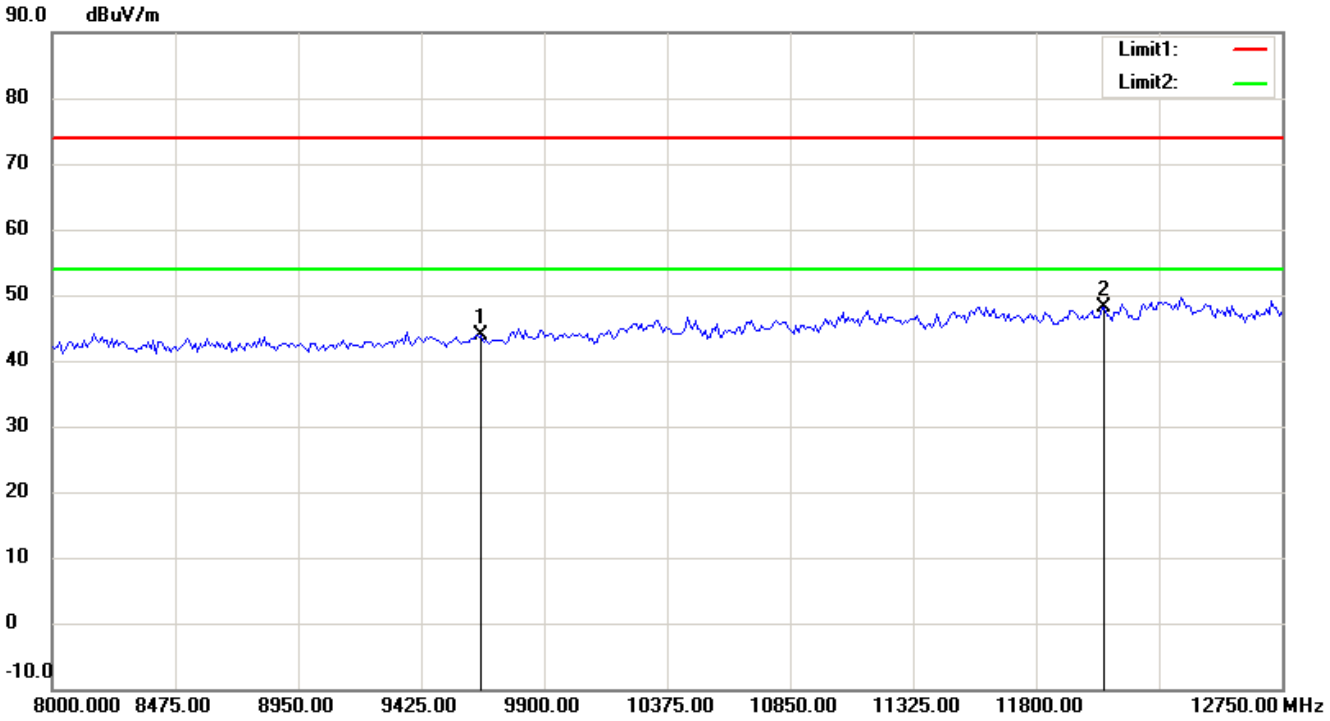
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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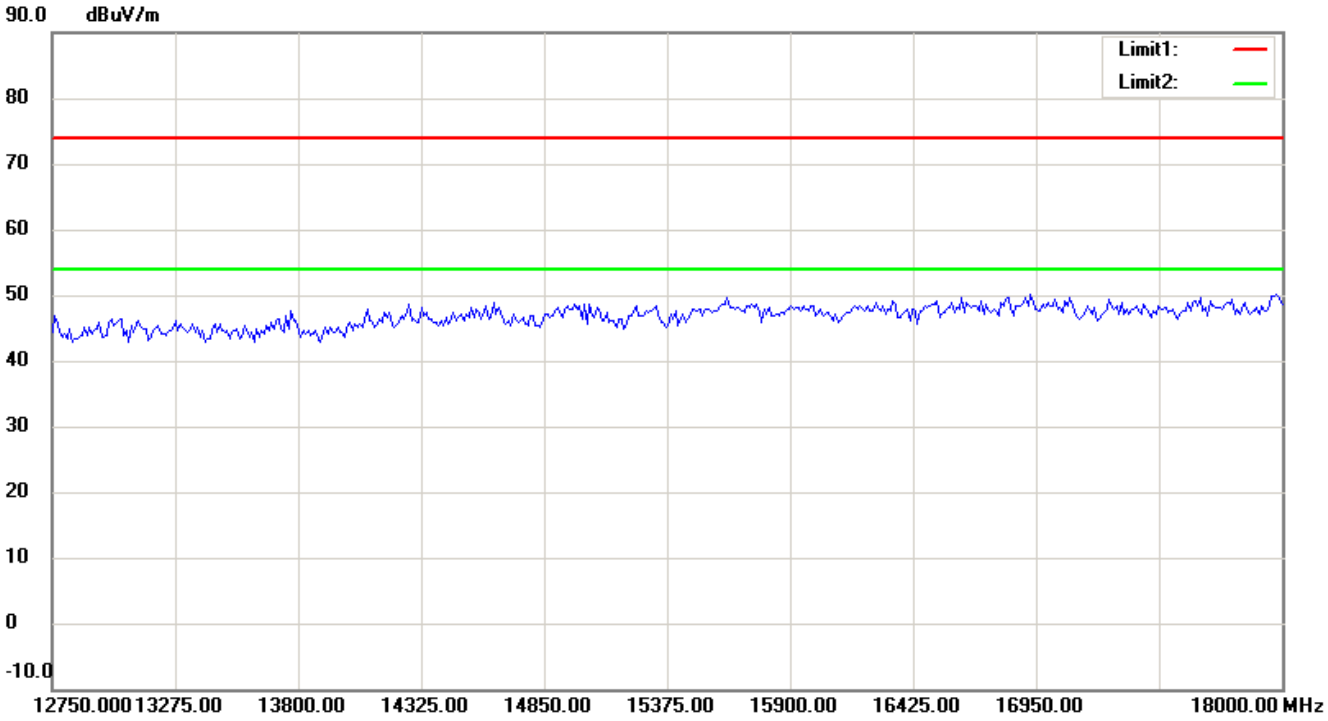
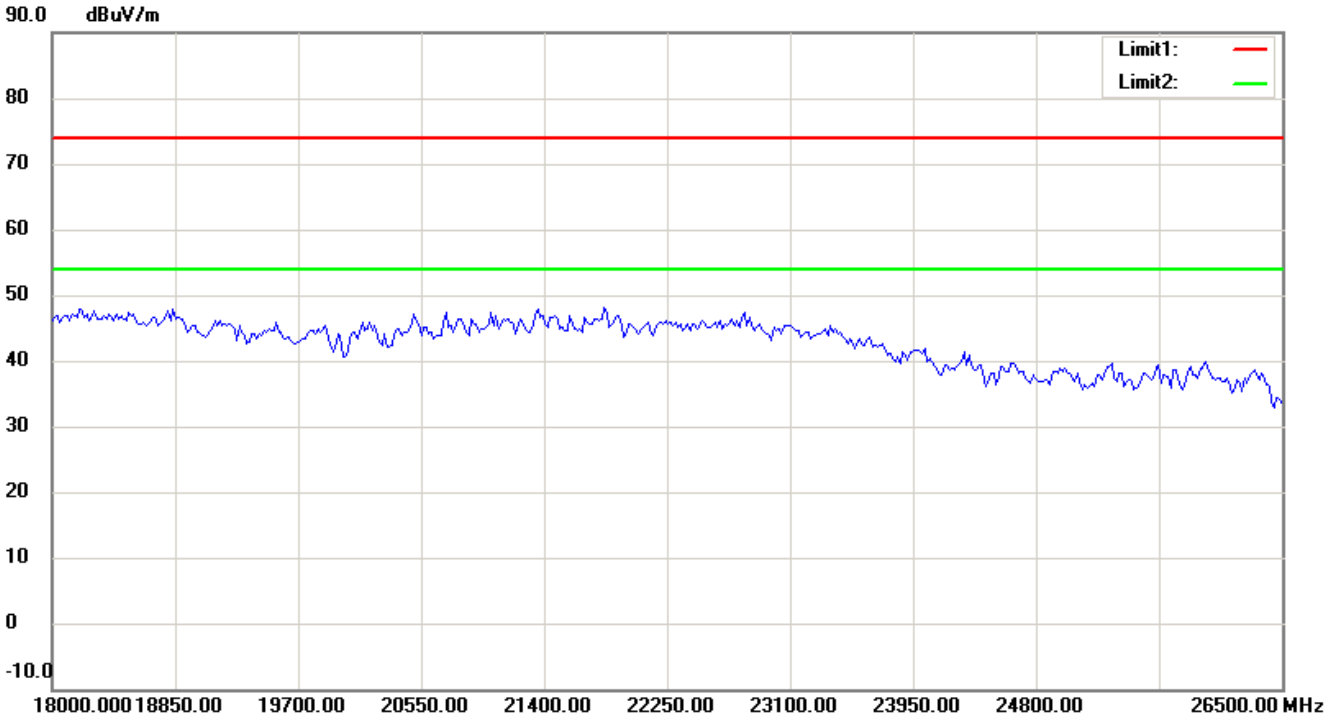
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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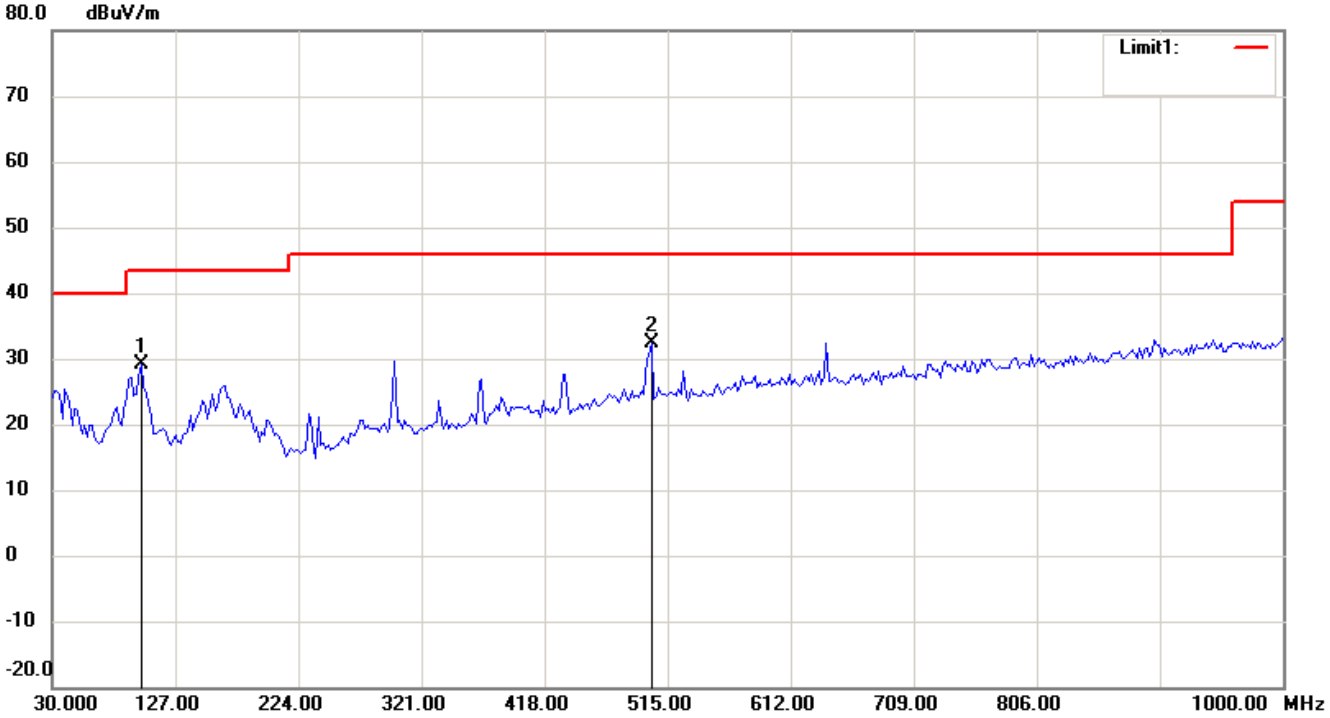
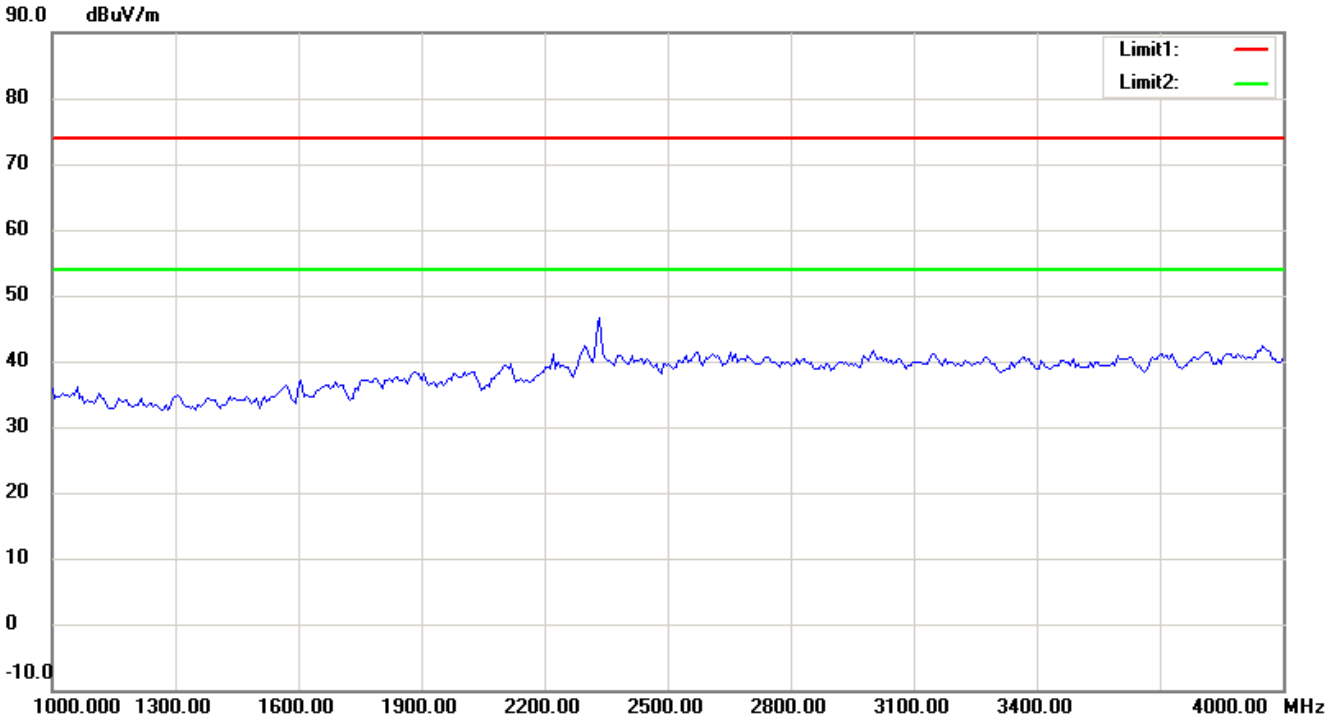
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna Polarization V

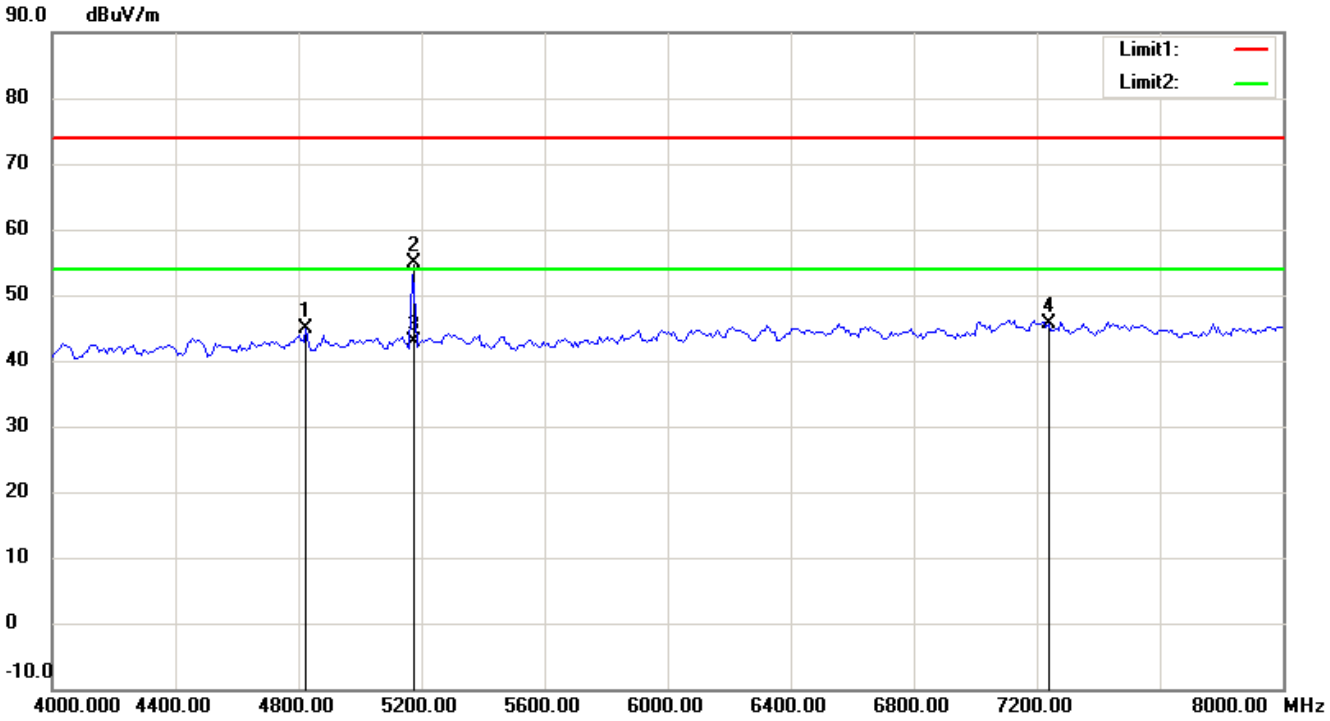


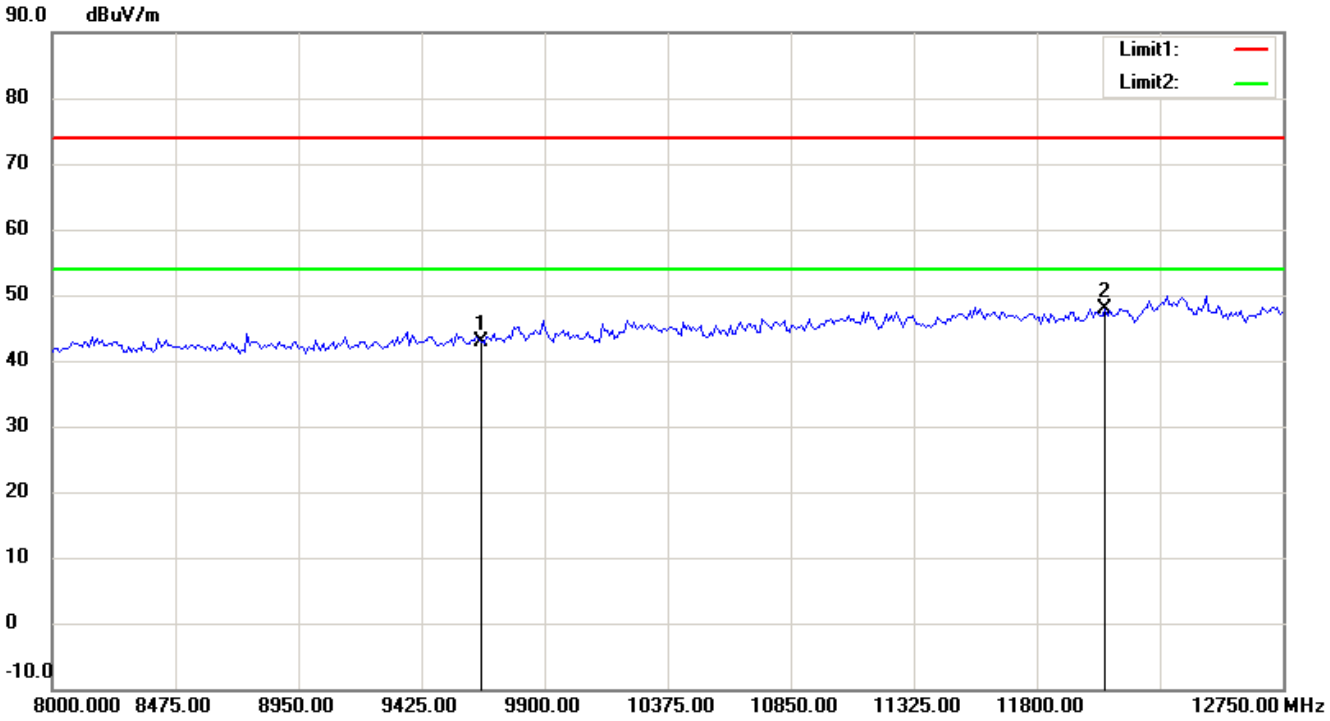


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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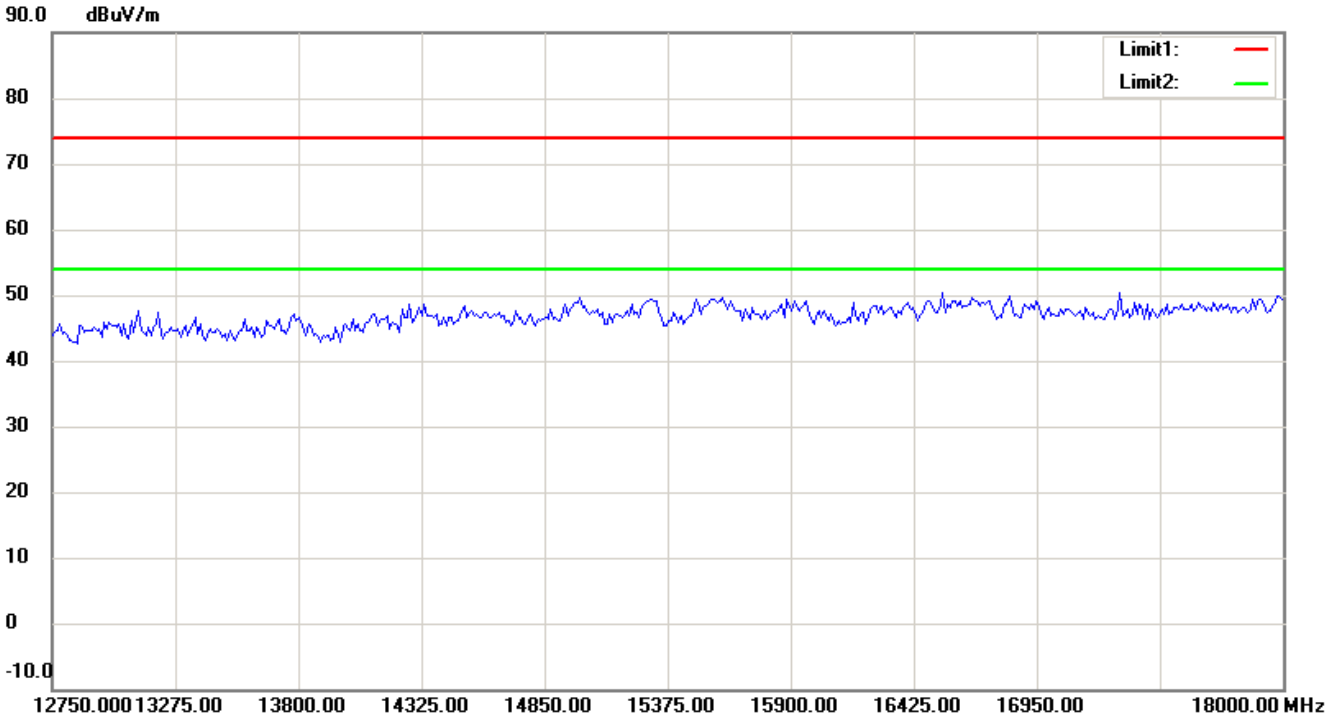
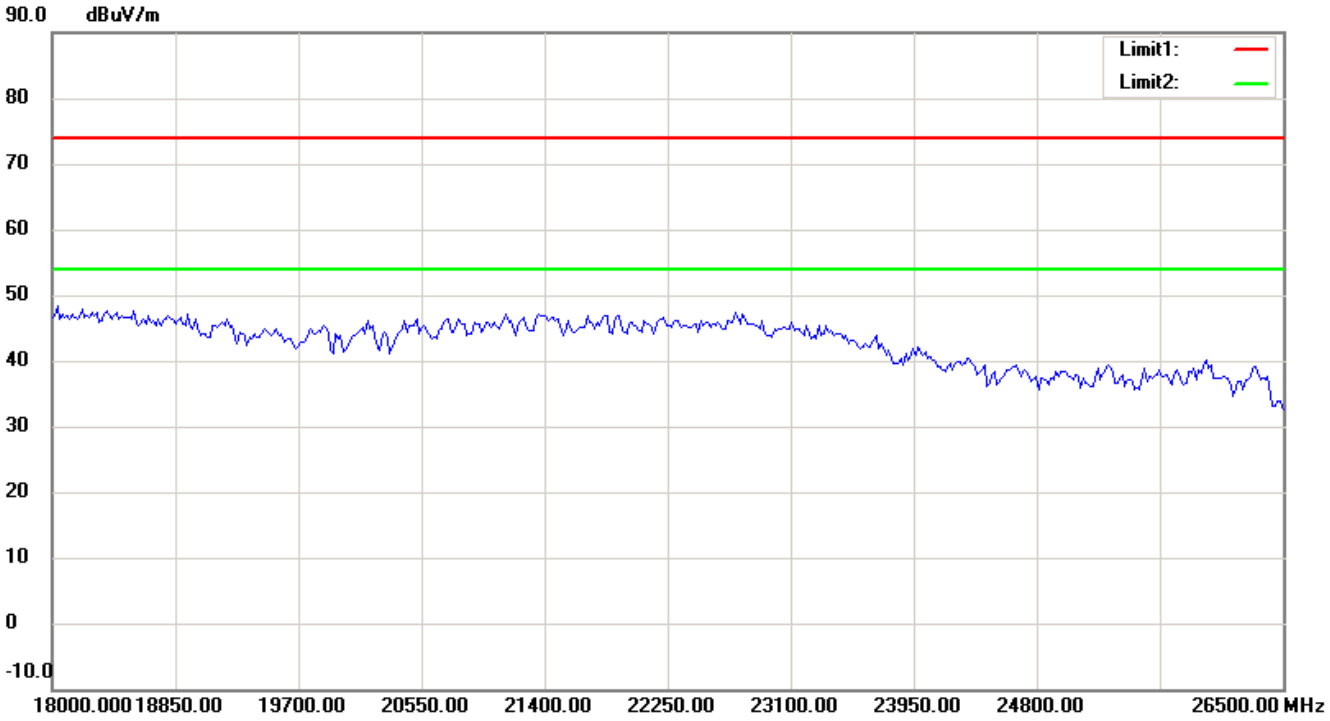
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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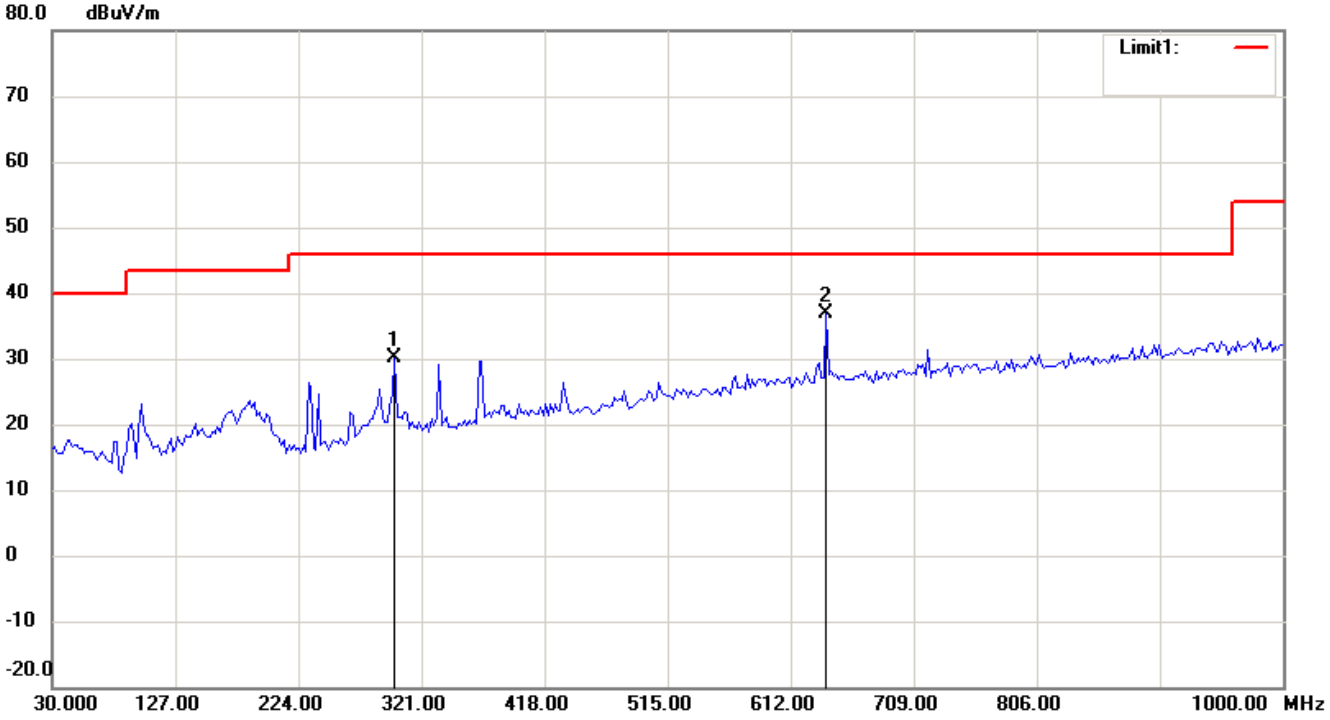
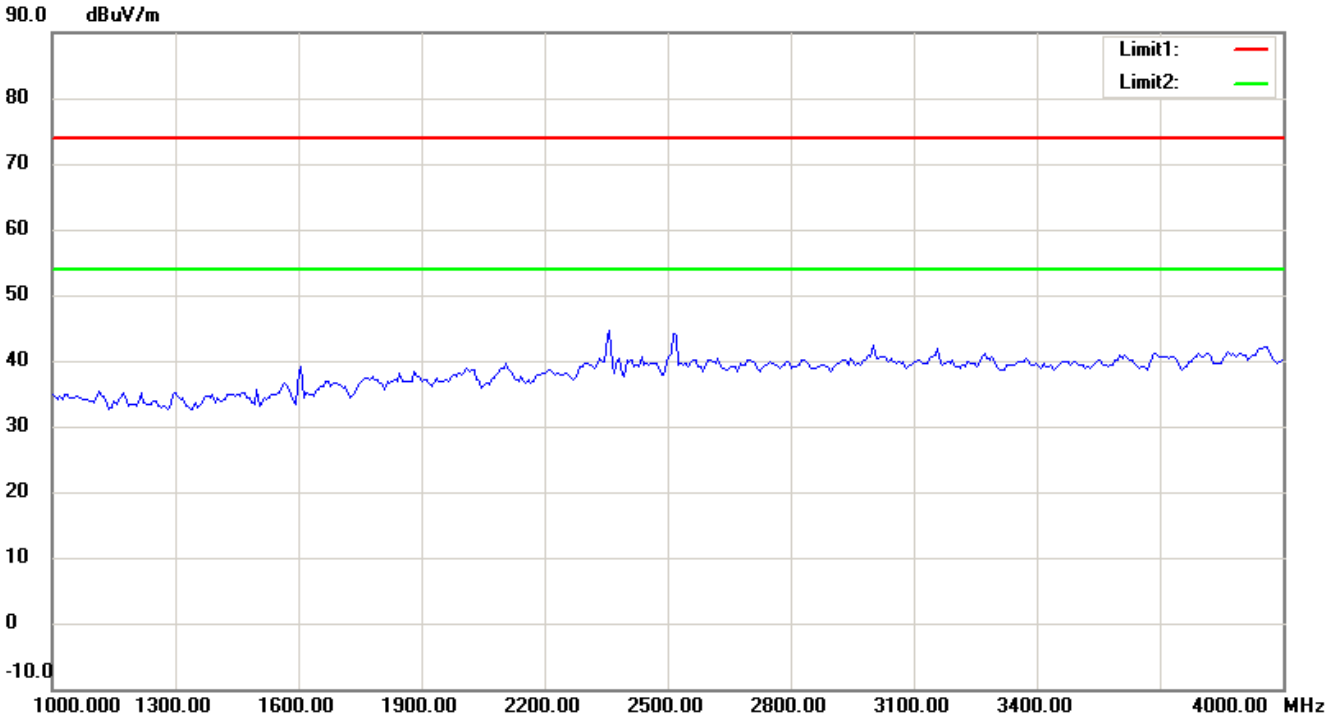
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11b 2437MHz
Antenna Polarization H

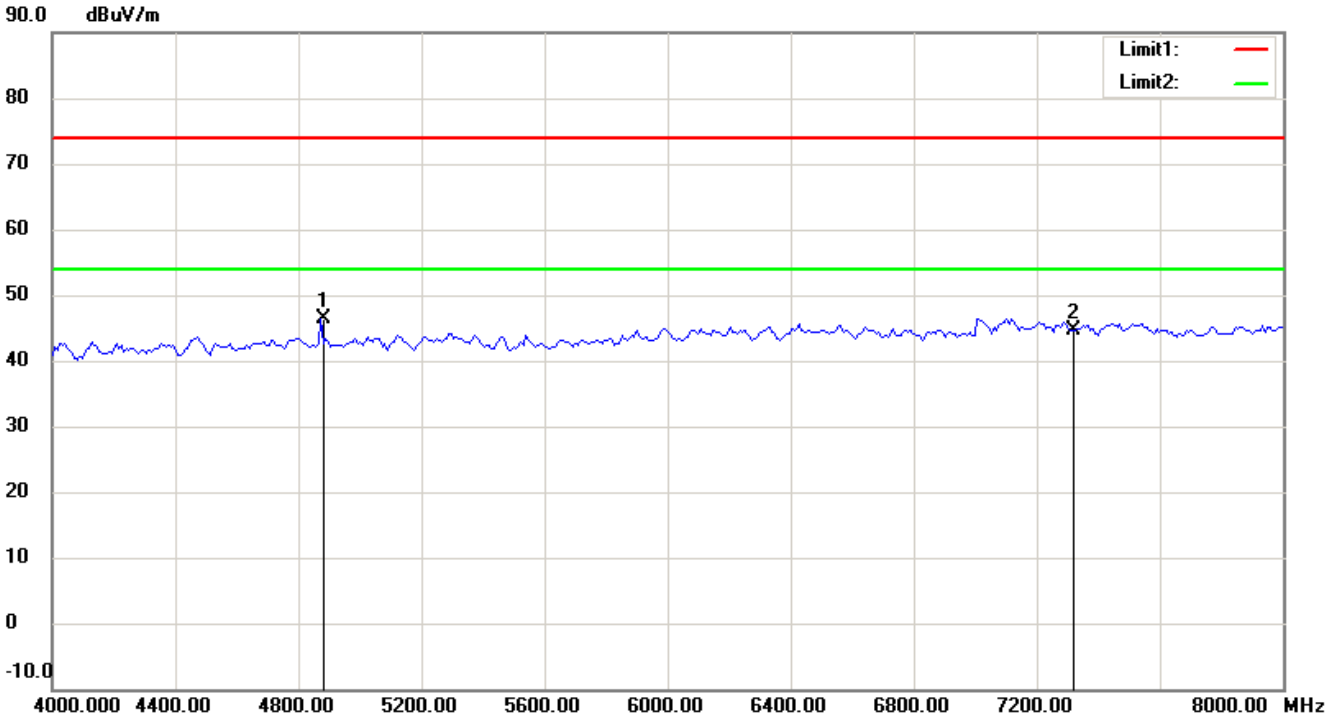


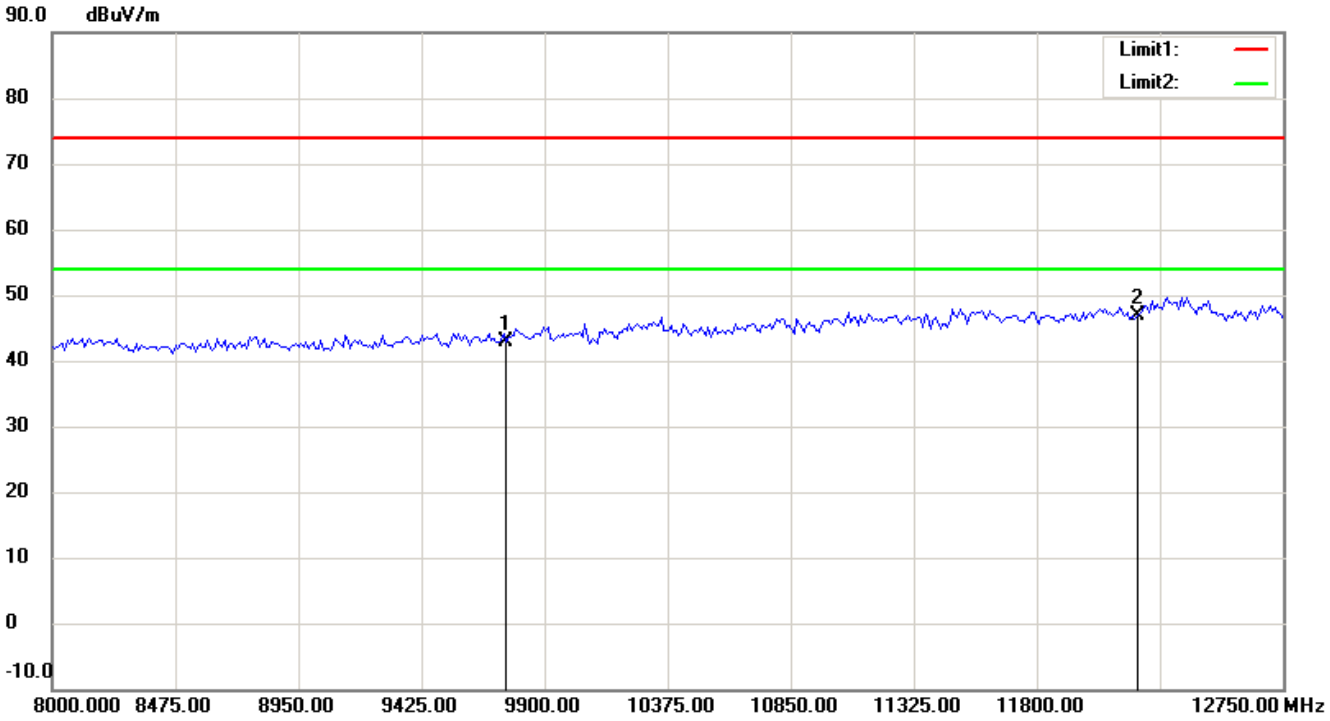


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

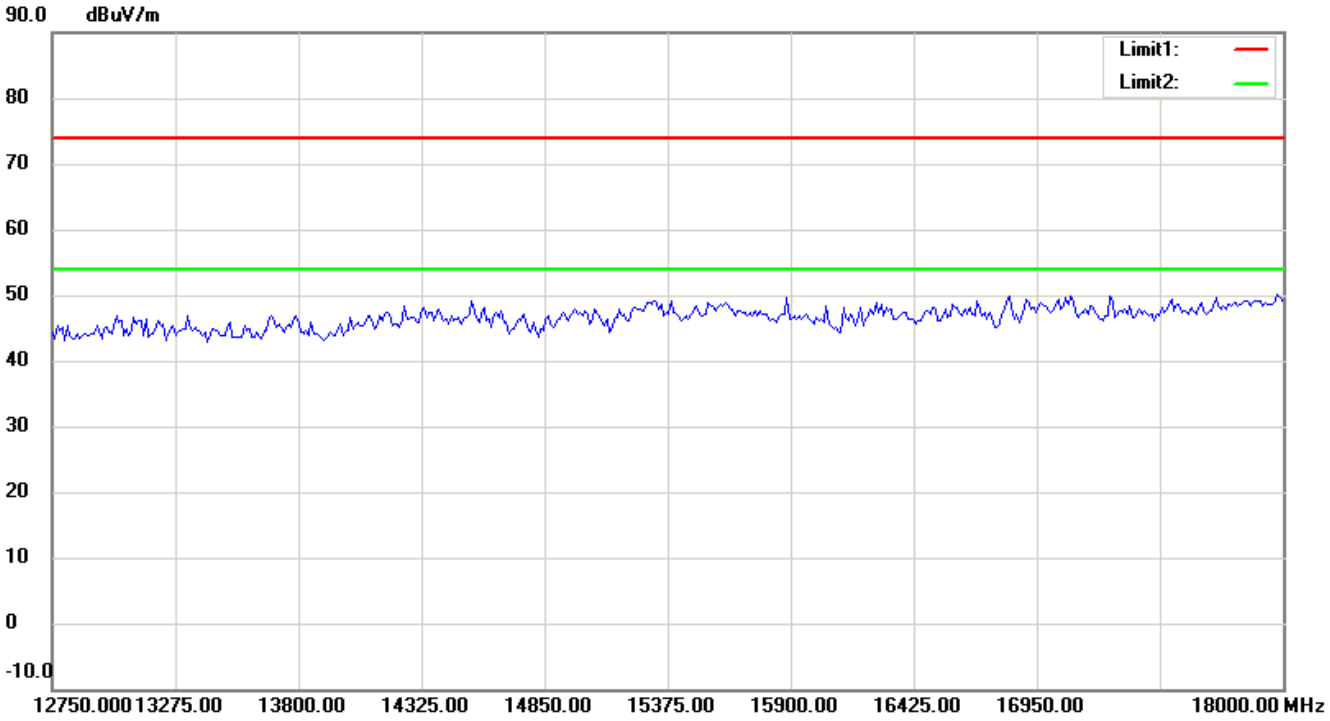


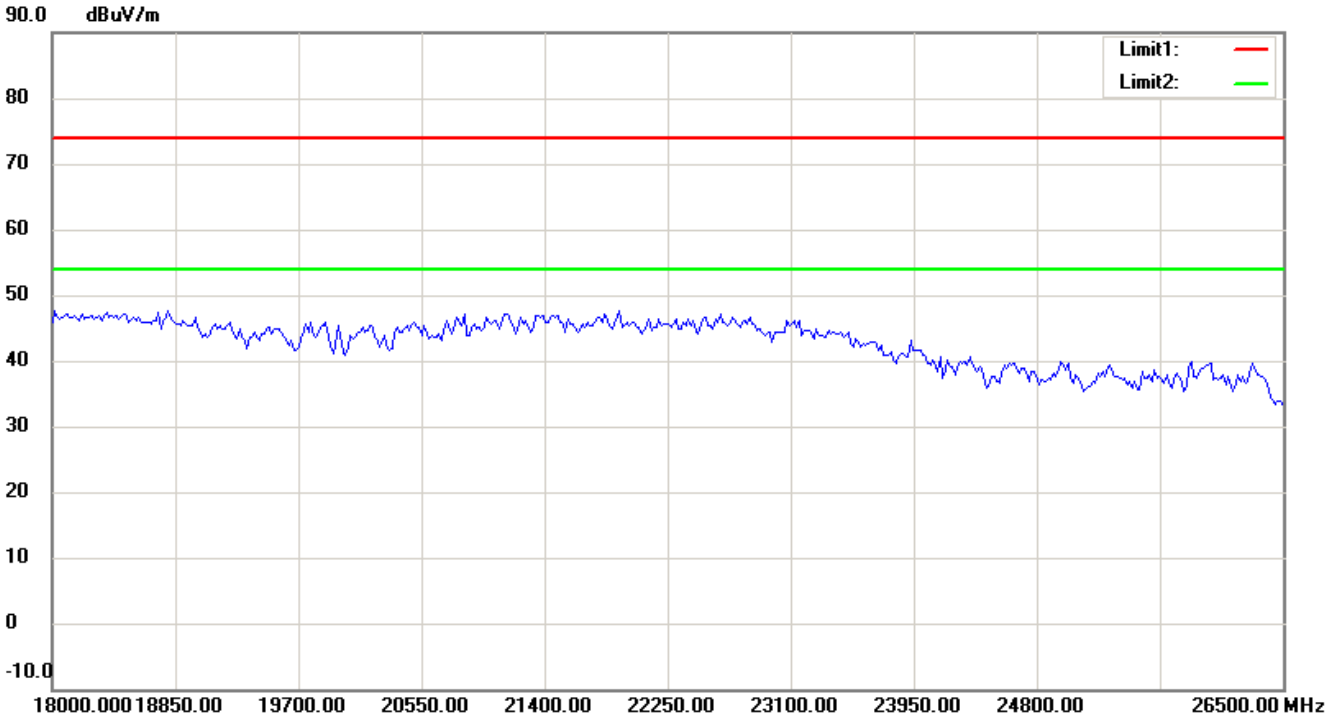


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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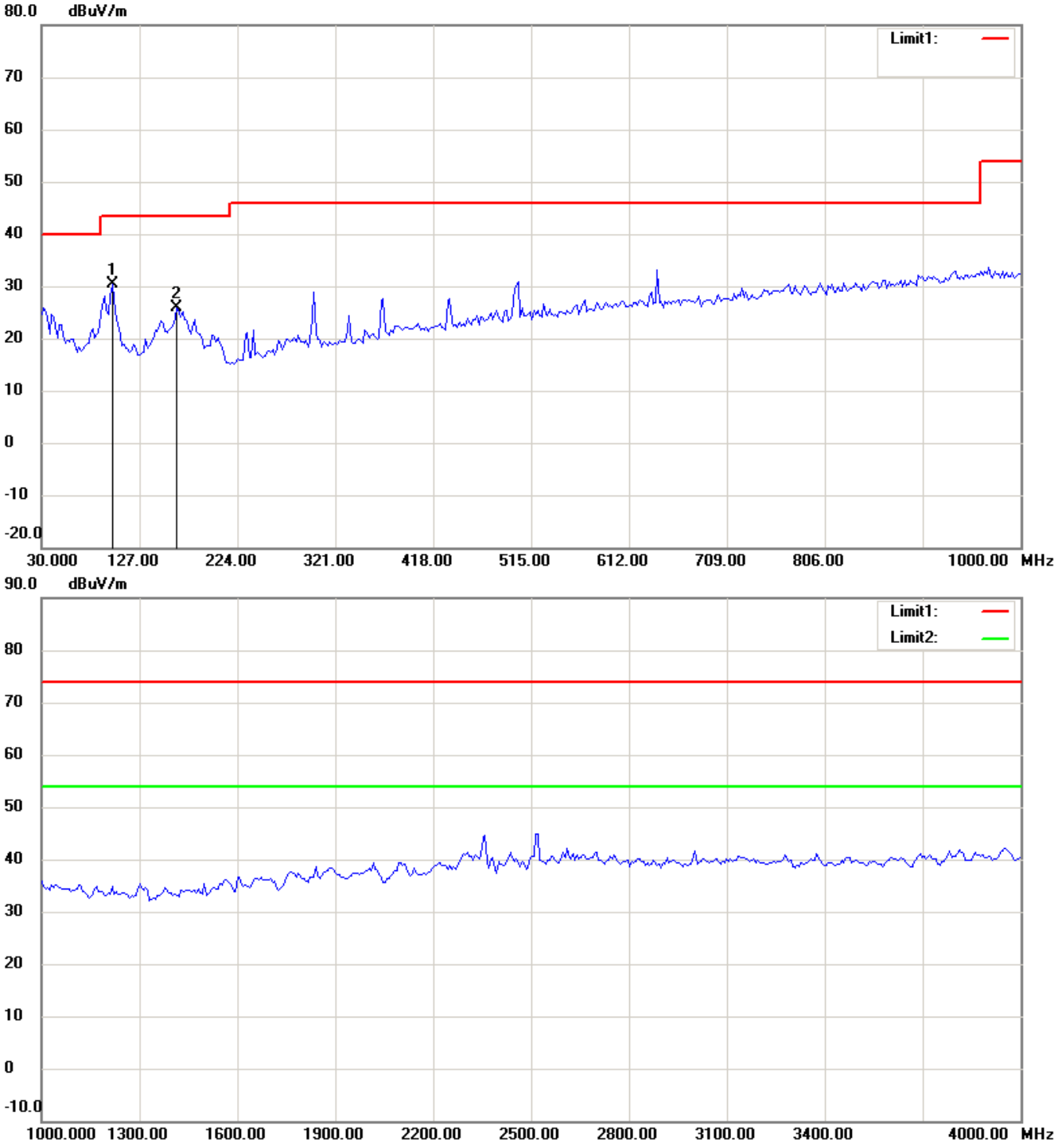
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

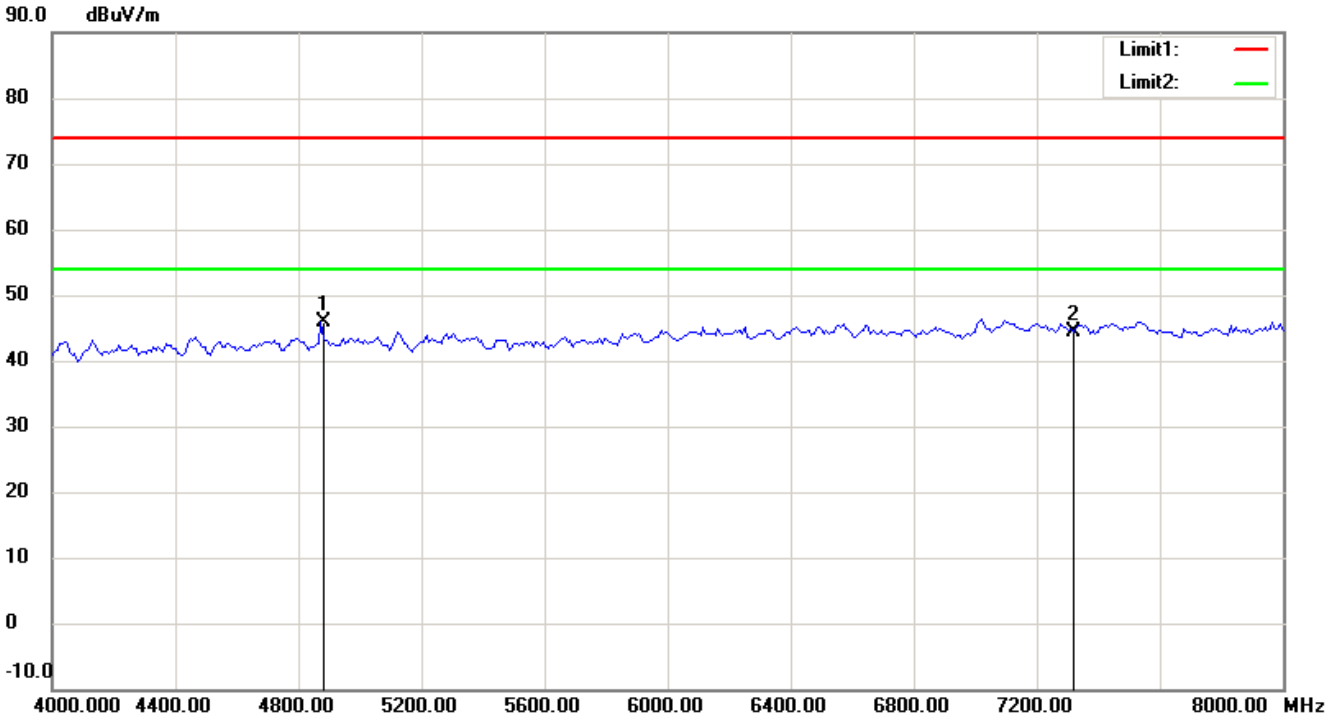
Antenna Polarization V

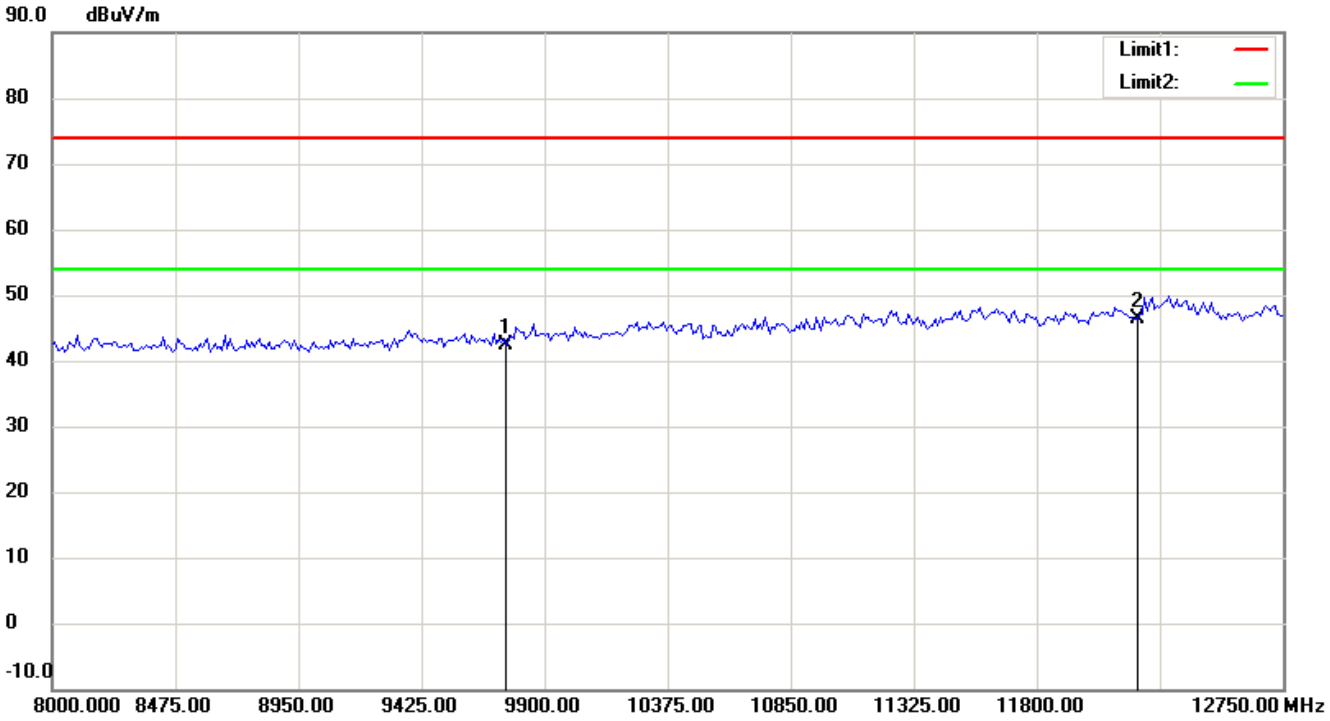


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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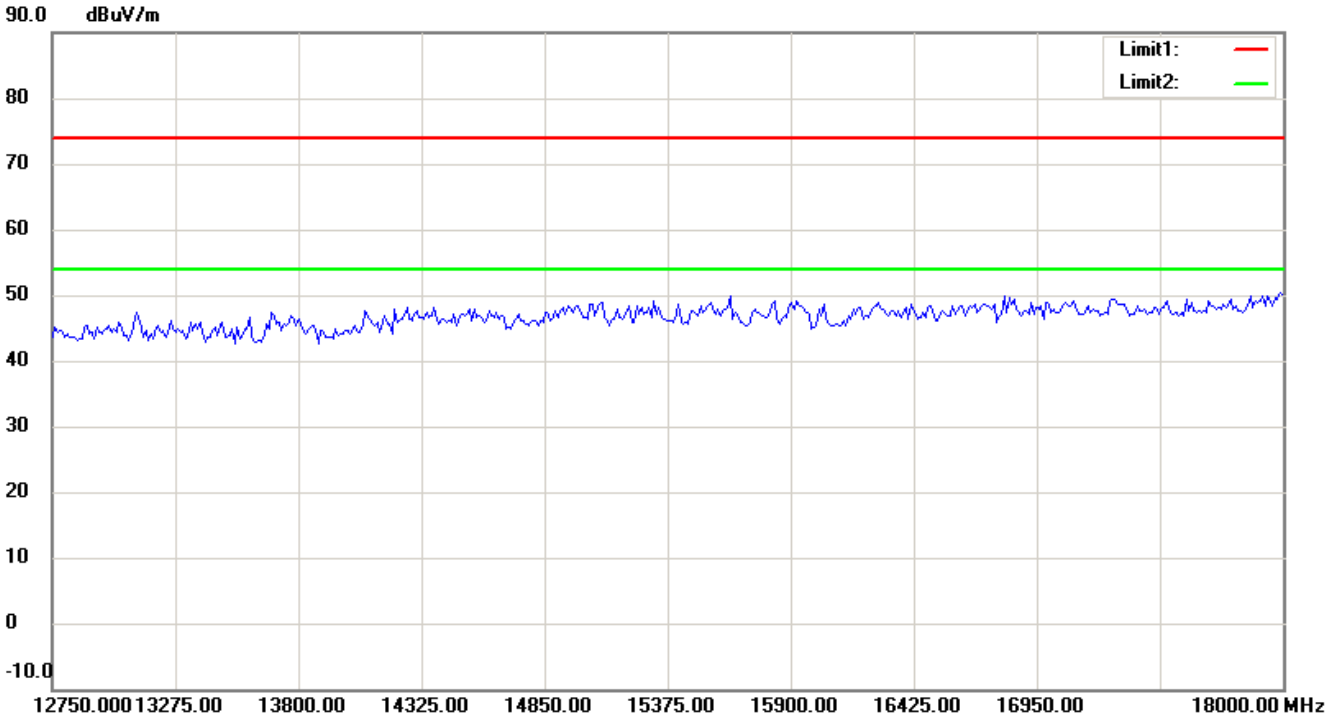
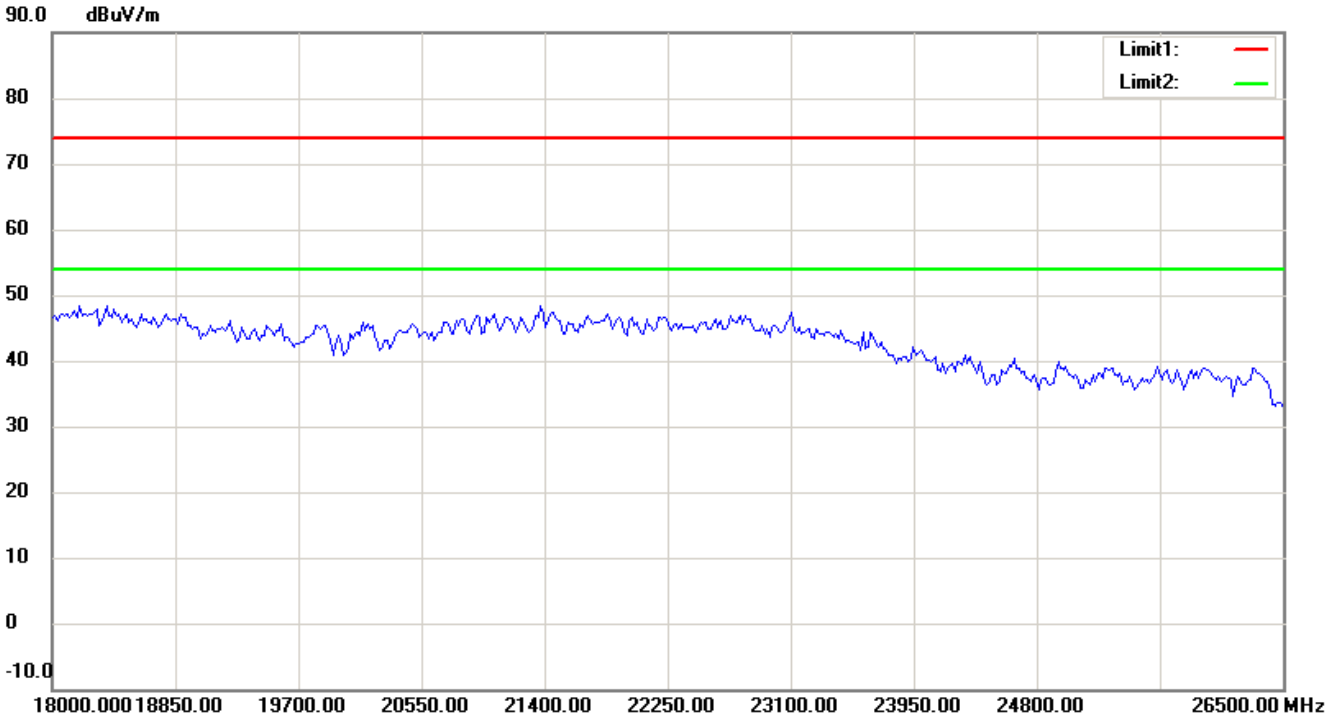
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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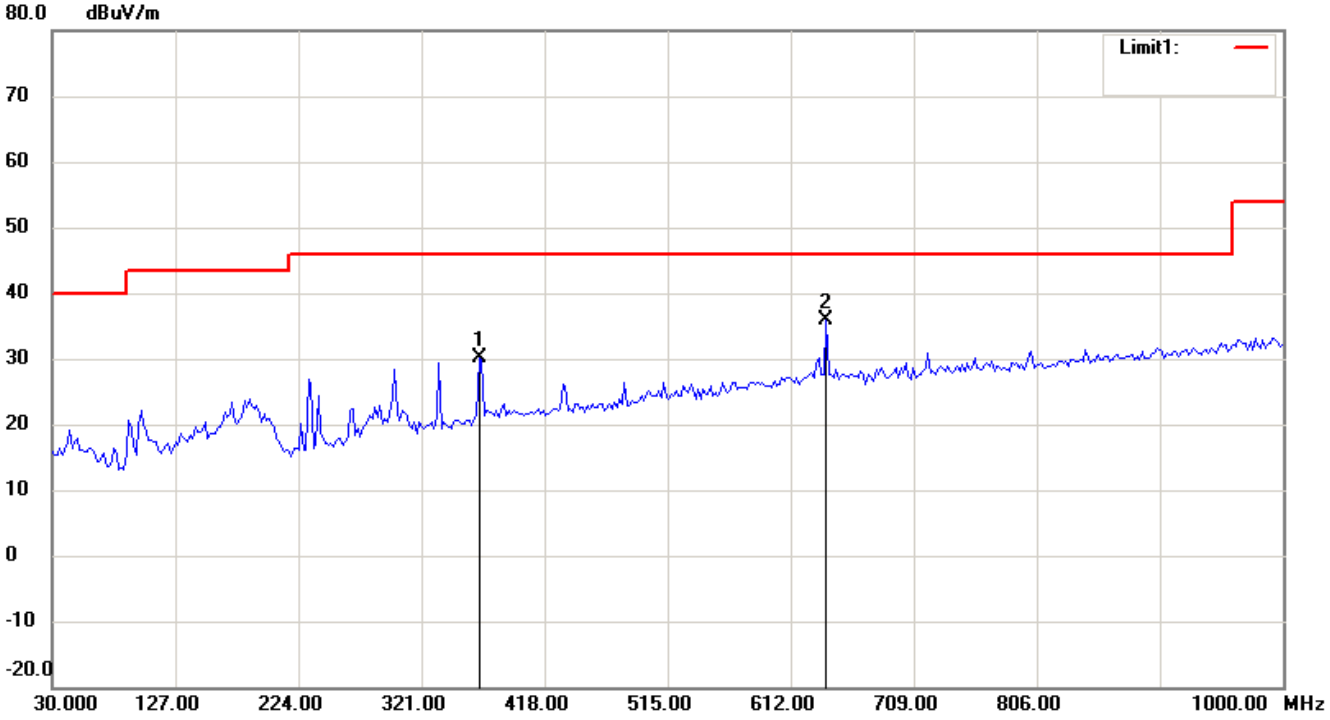
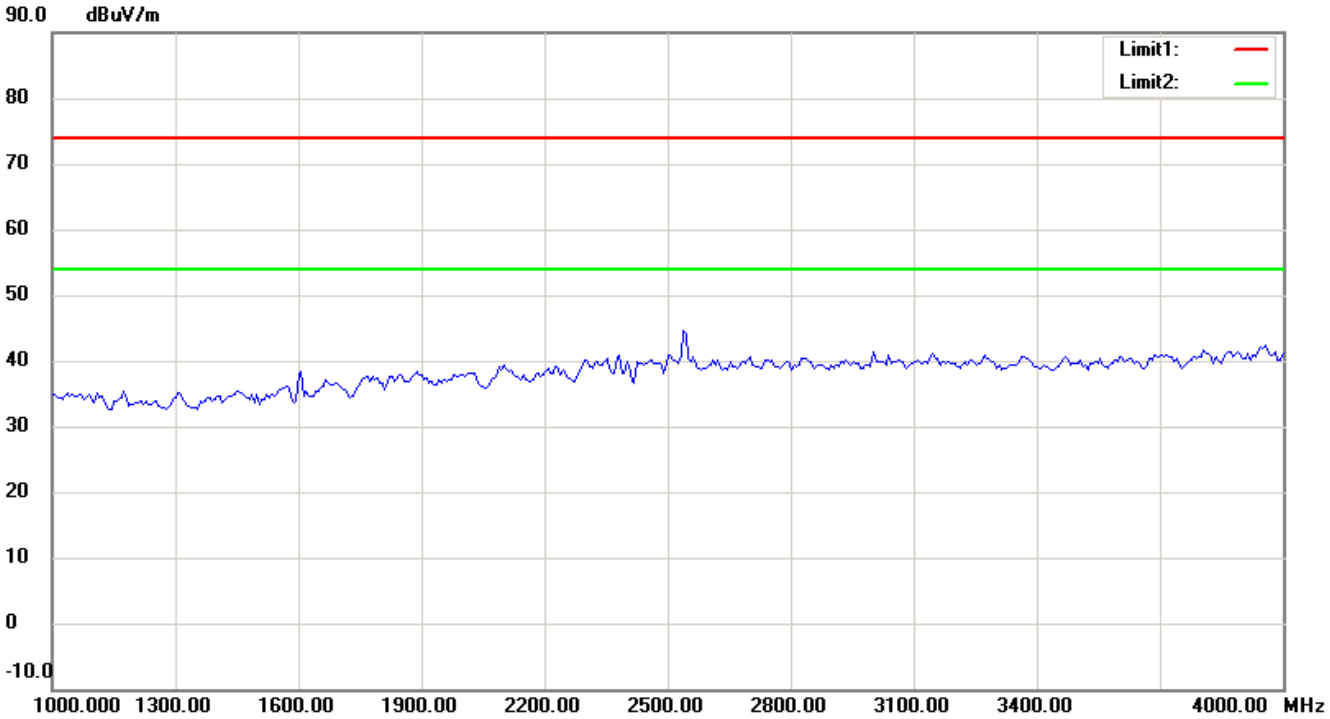
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11b 2462MHz
Antenna Polarization H

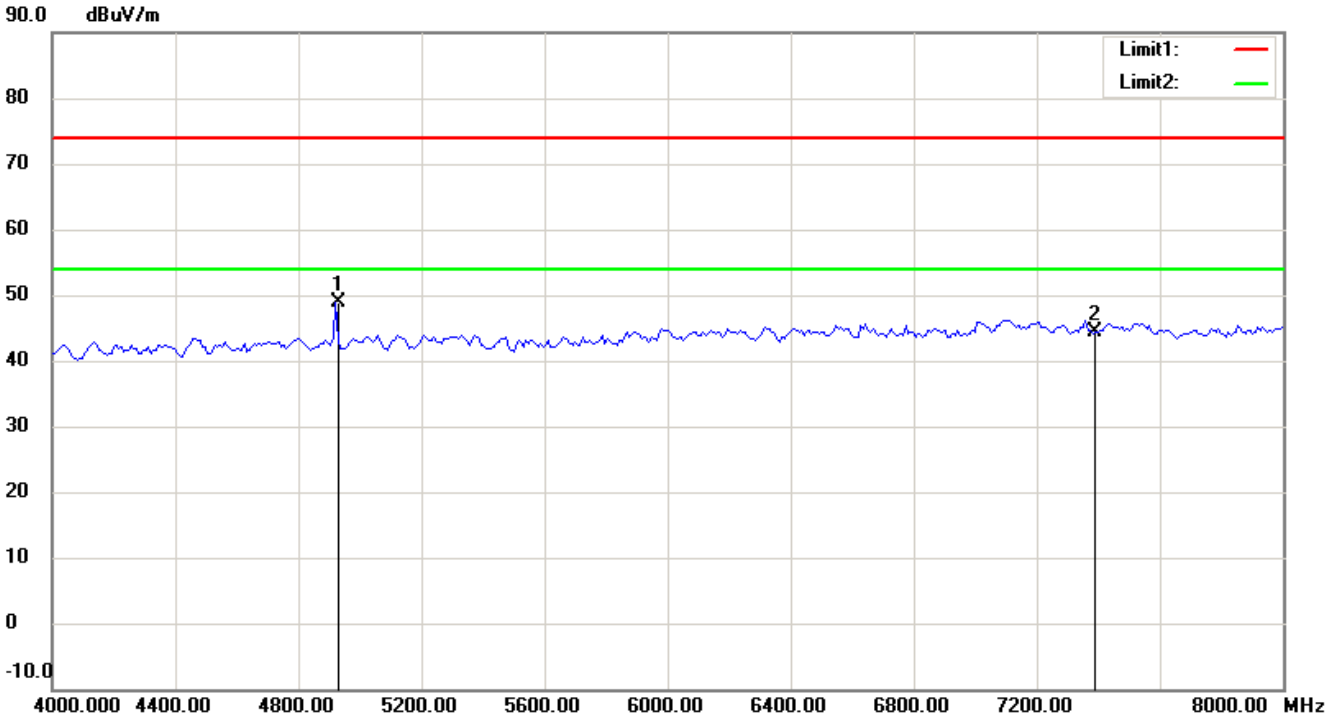


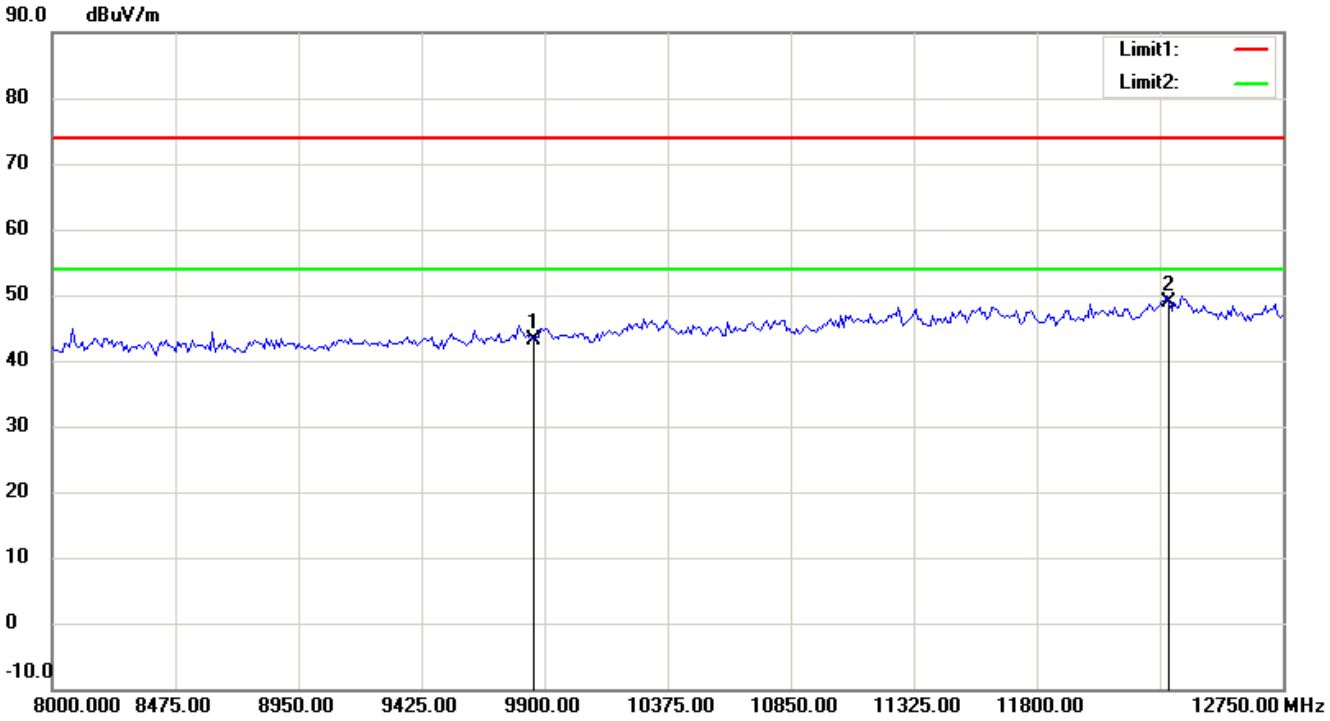


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

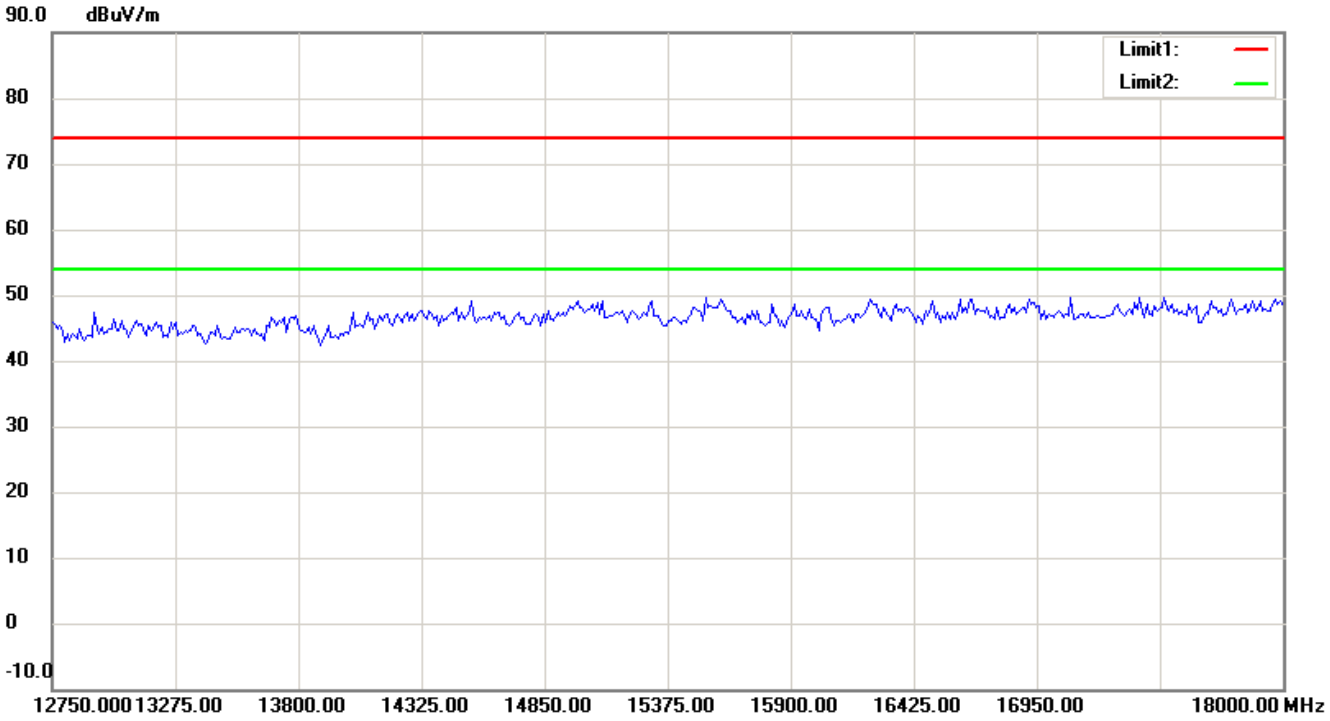


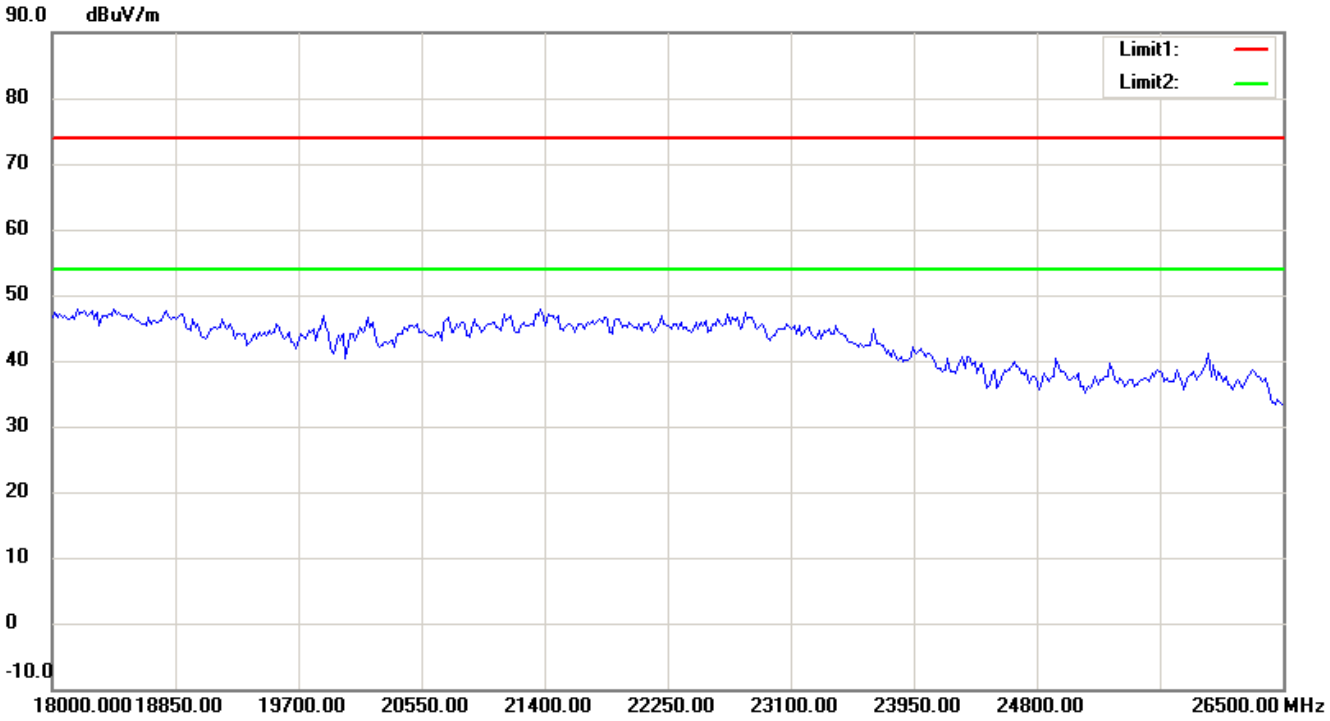


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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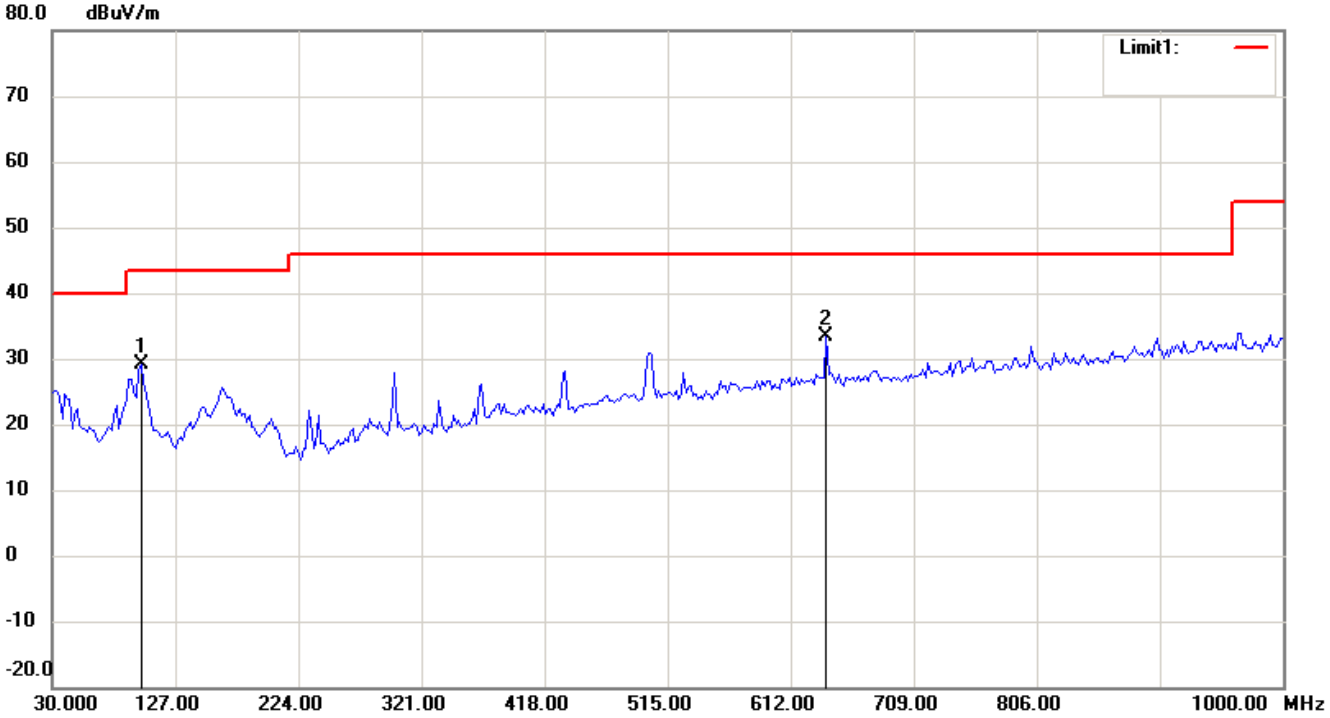
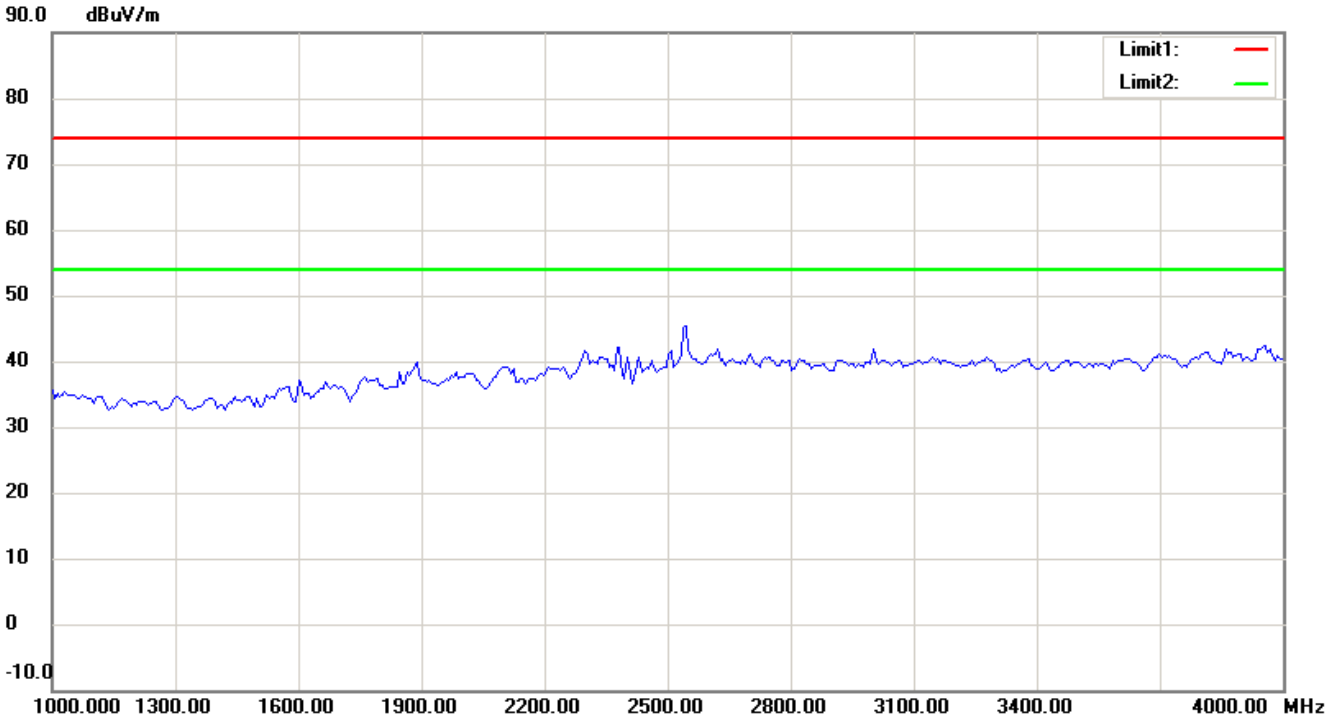
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna Polarization V

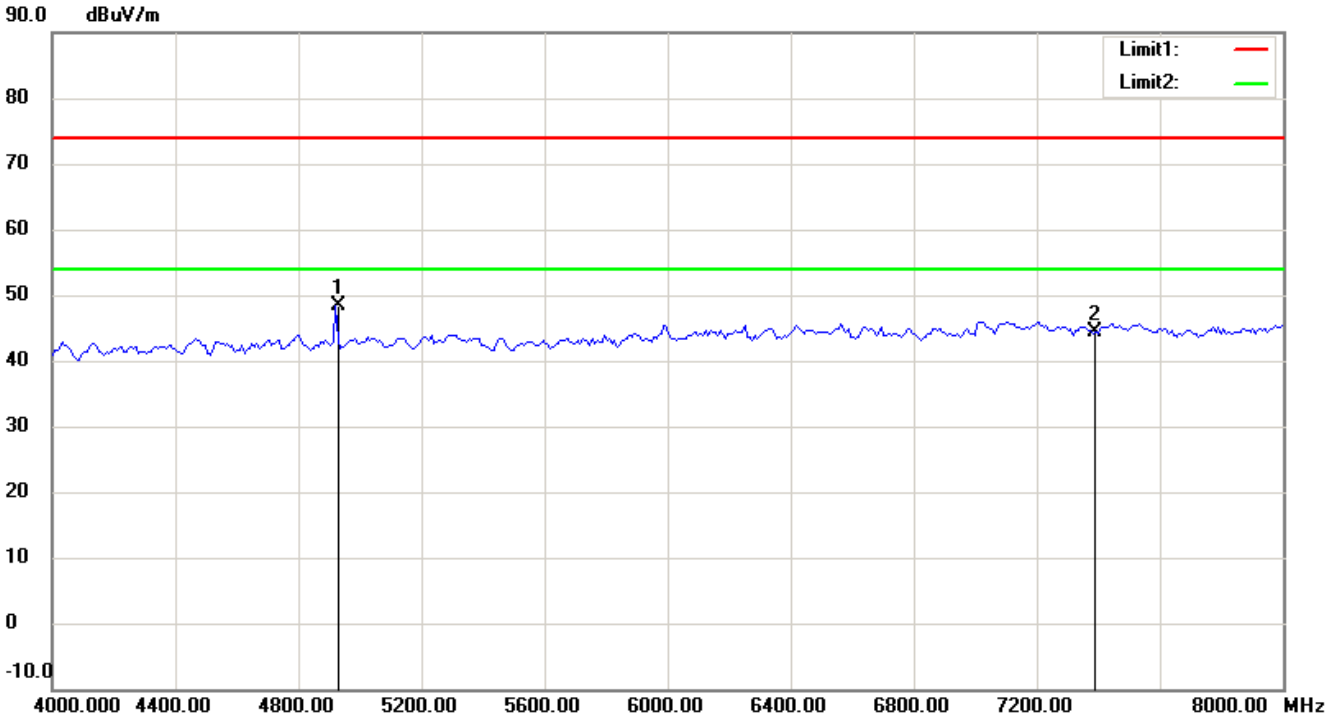


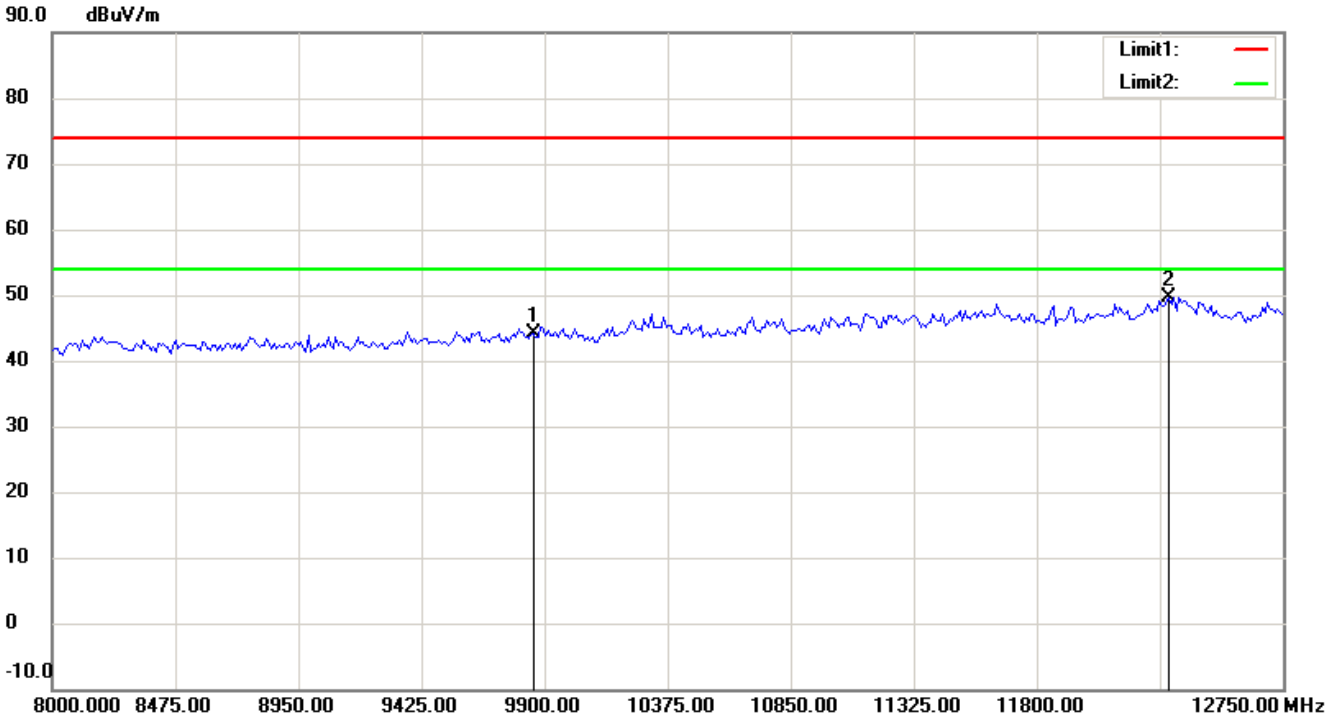


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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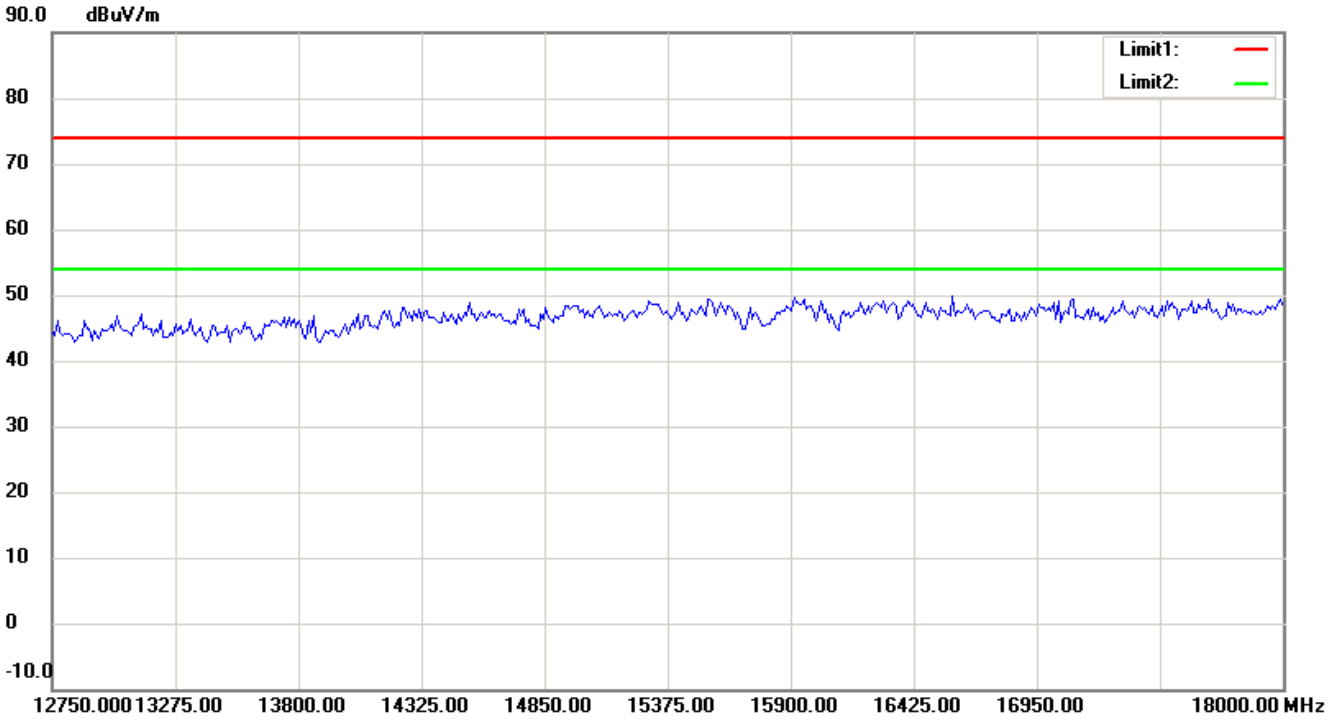
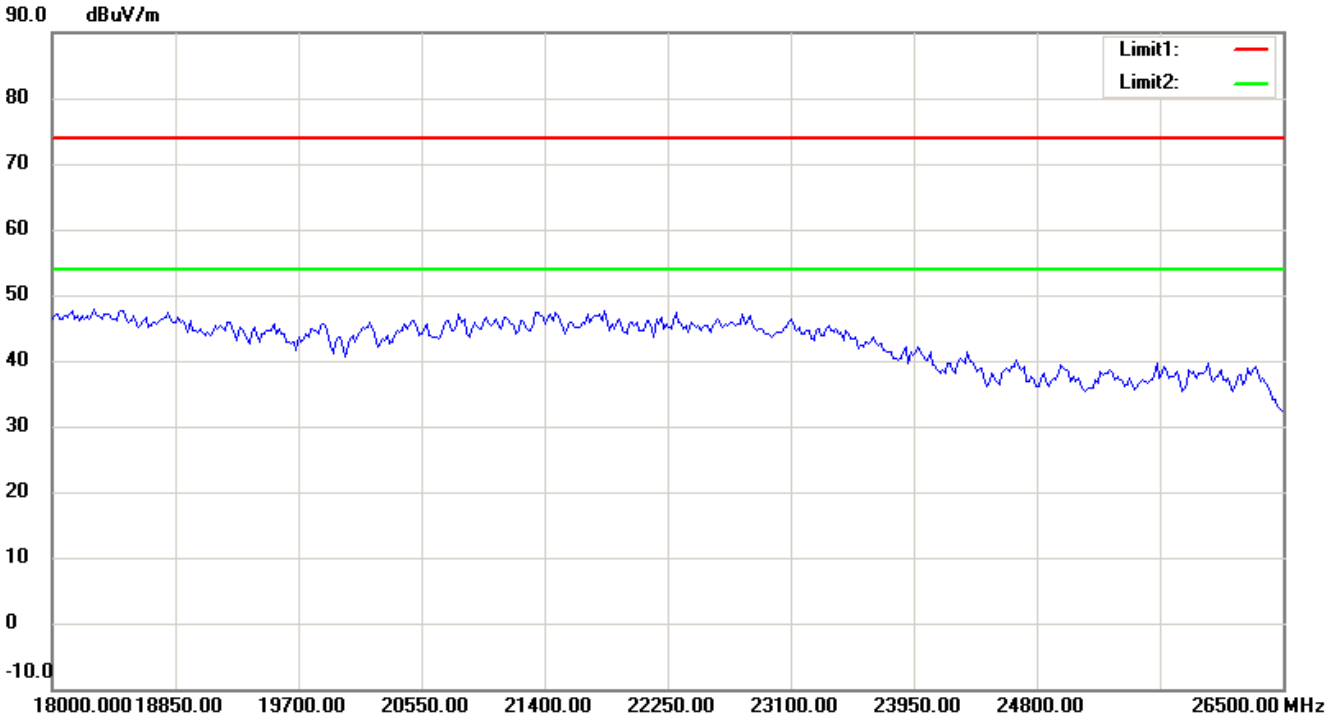
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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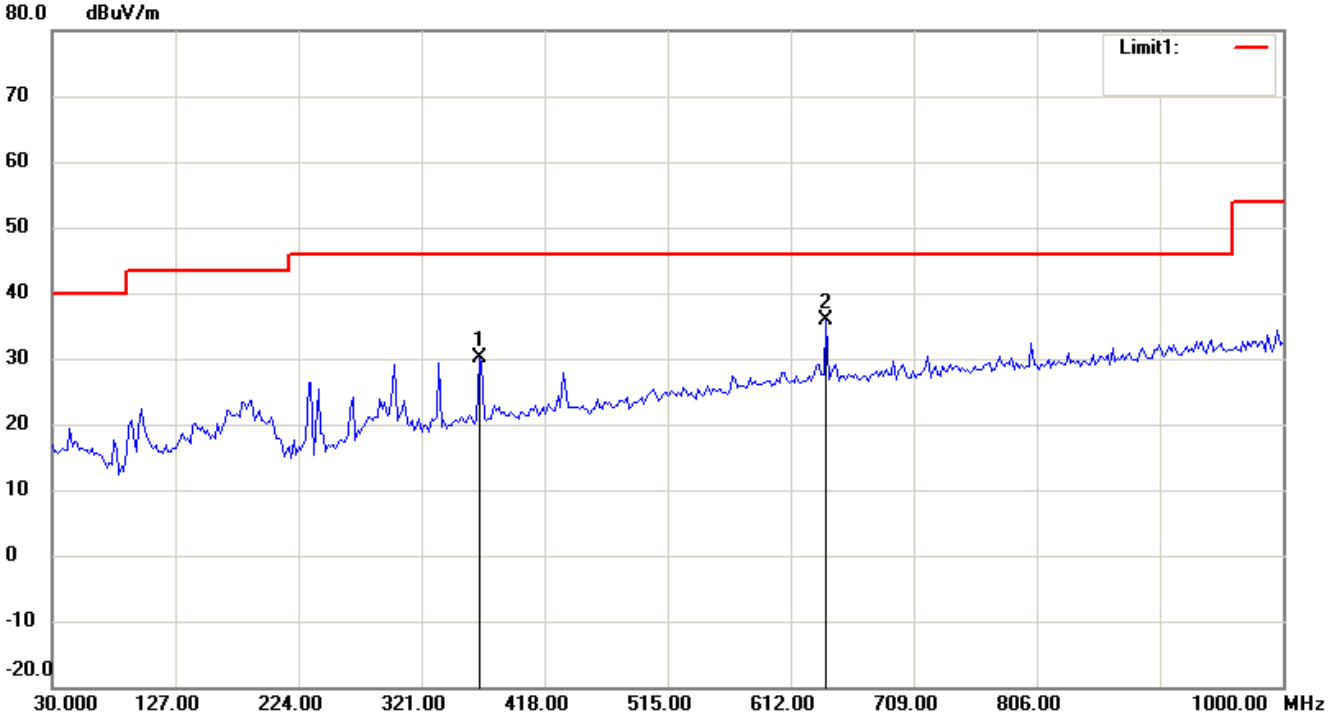
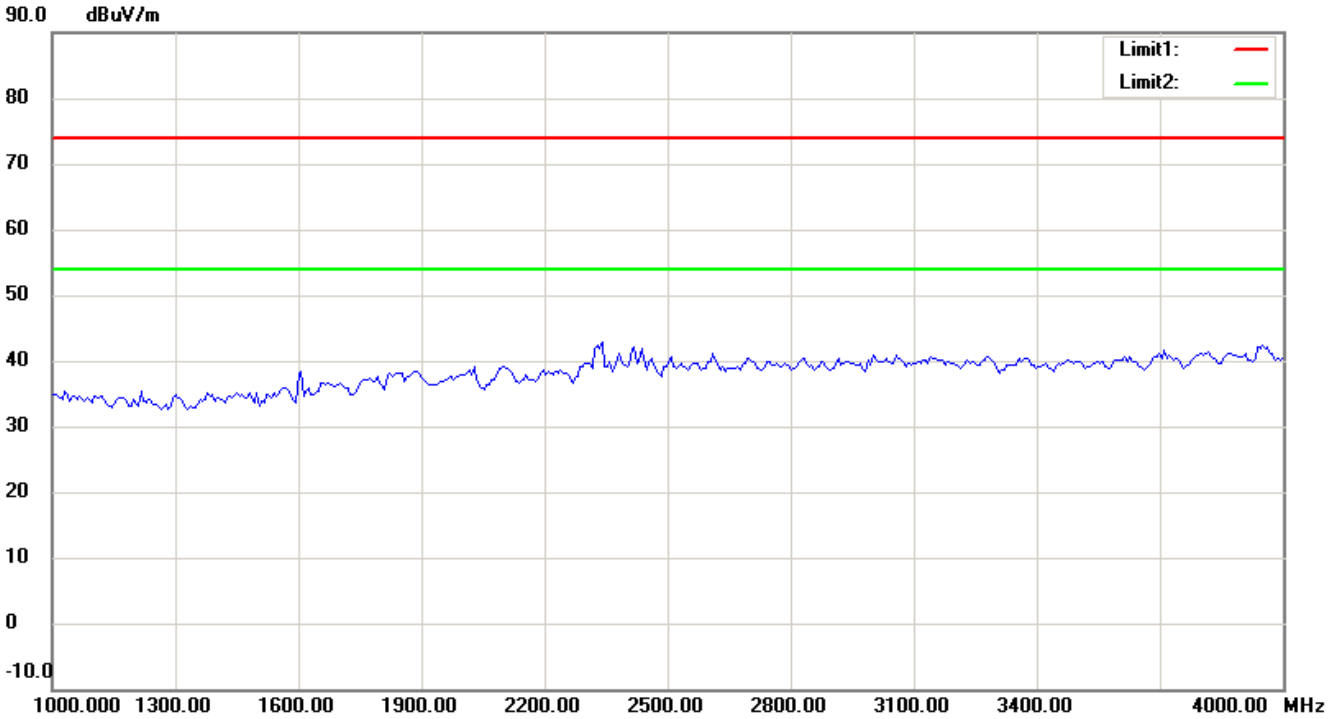
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11g 2412MHz
Antenna Polarization H





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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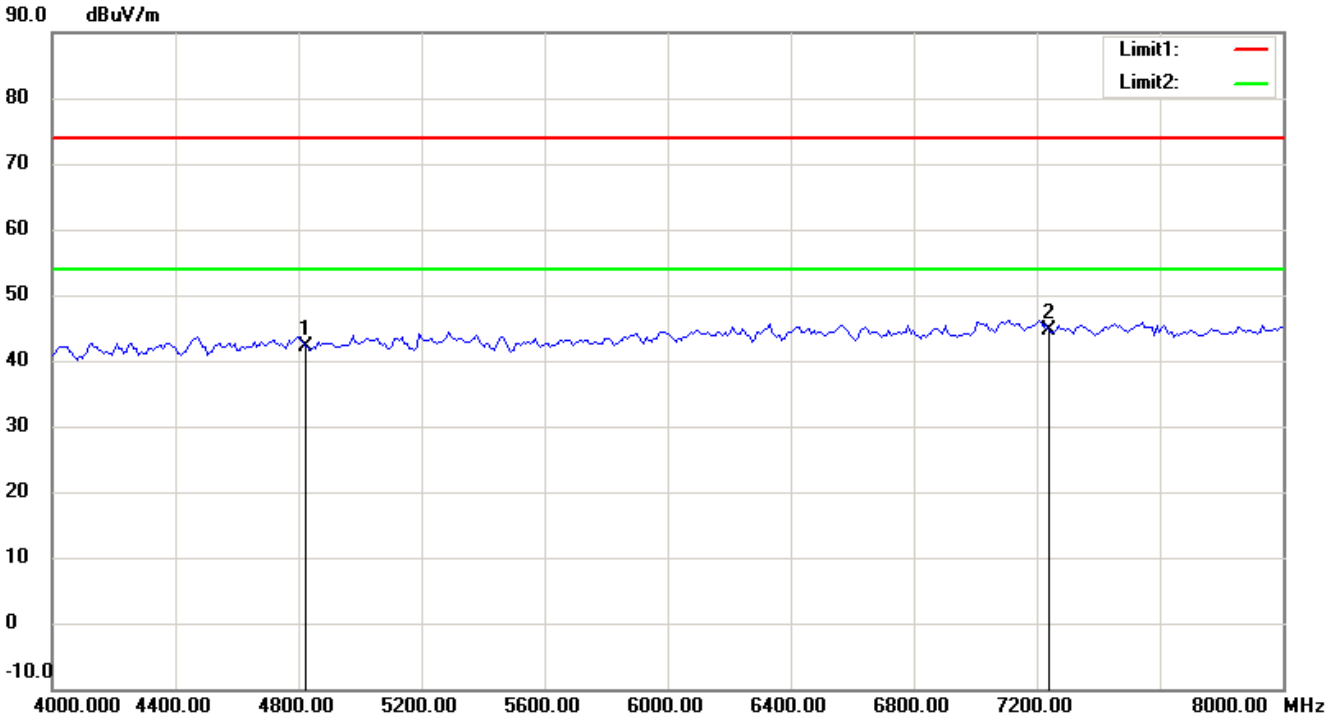
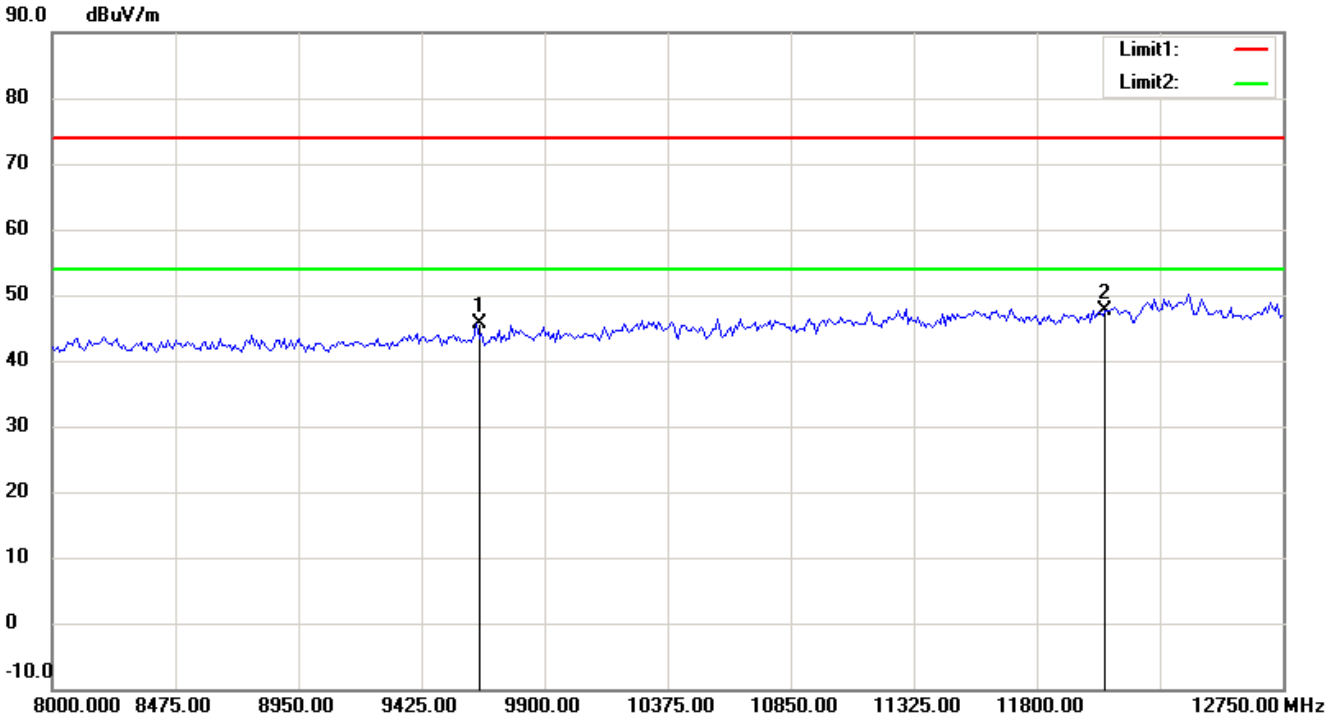
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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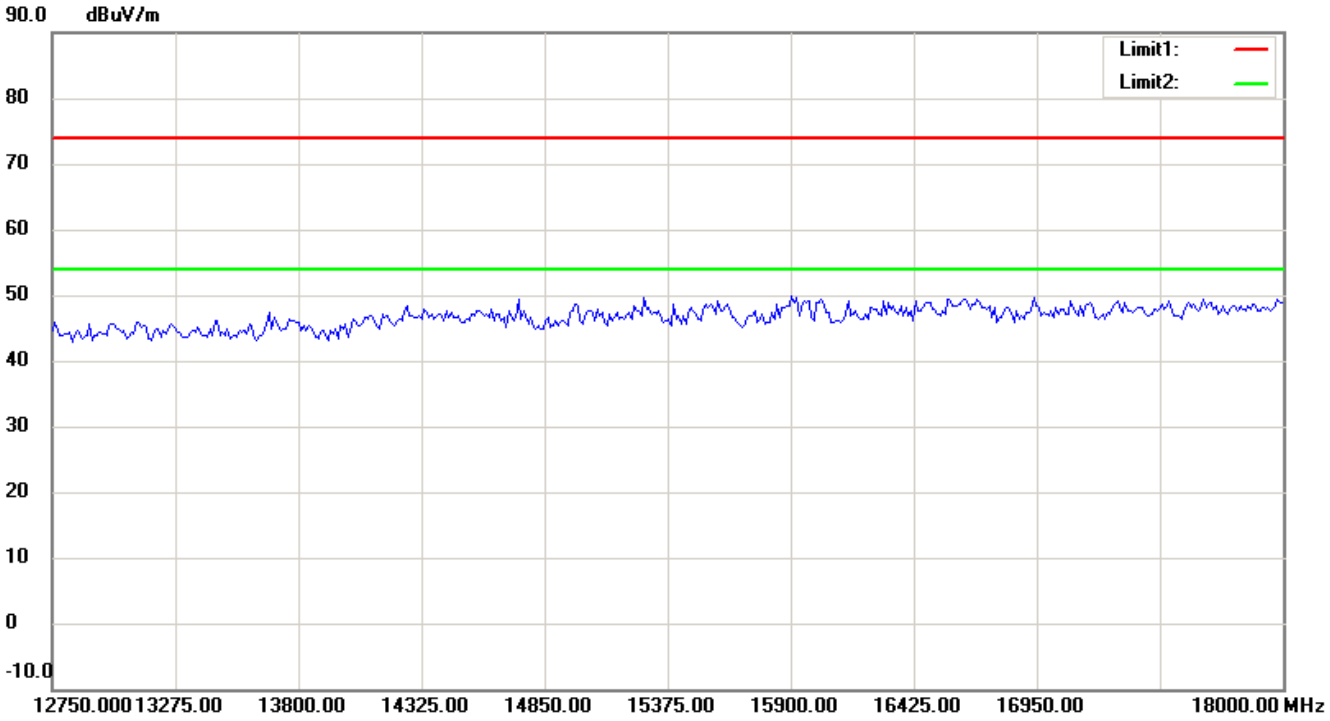
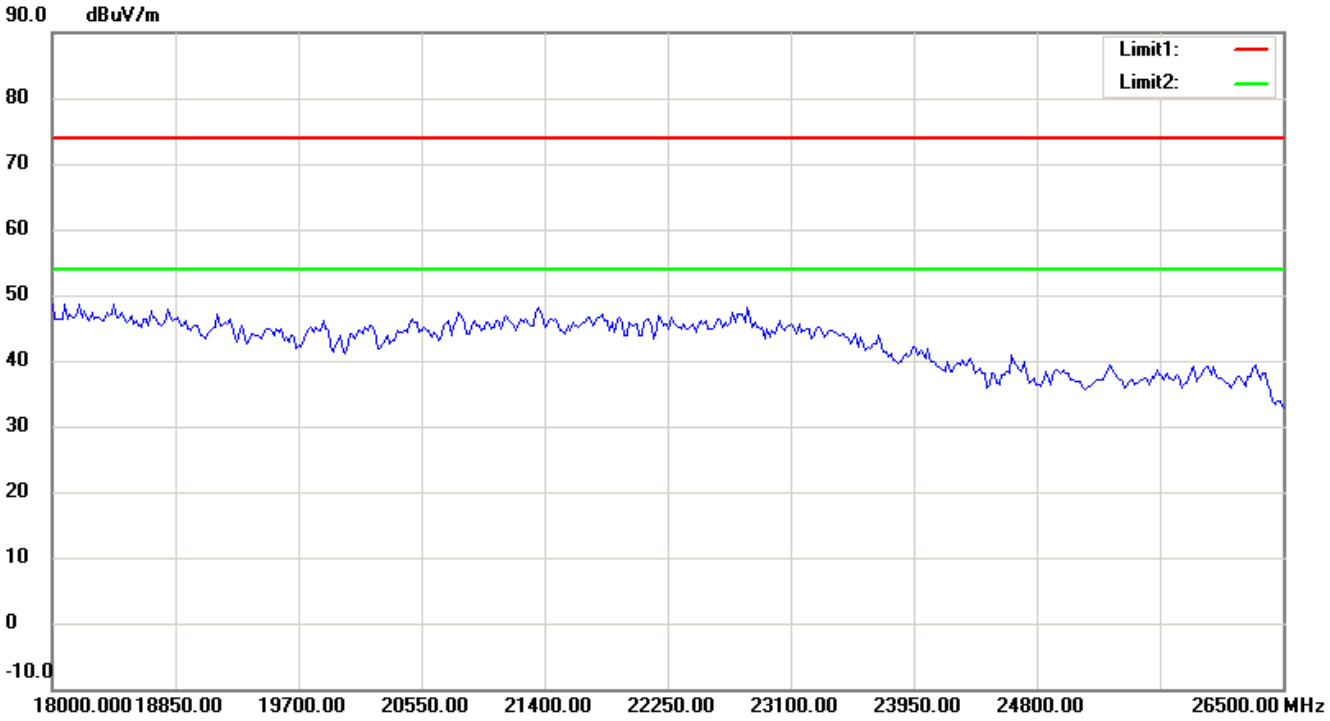
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
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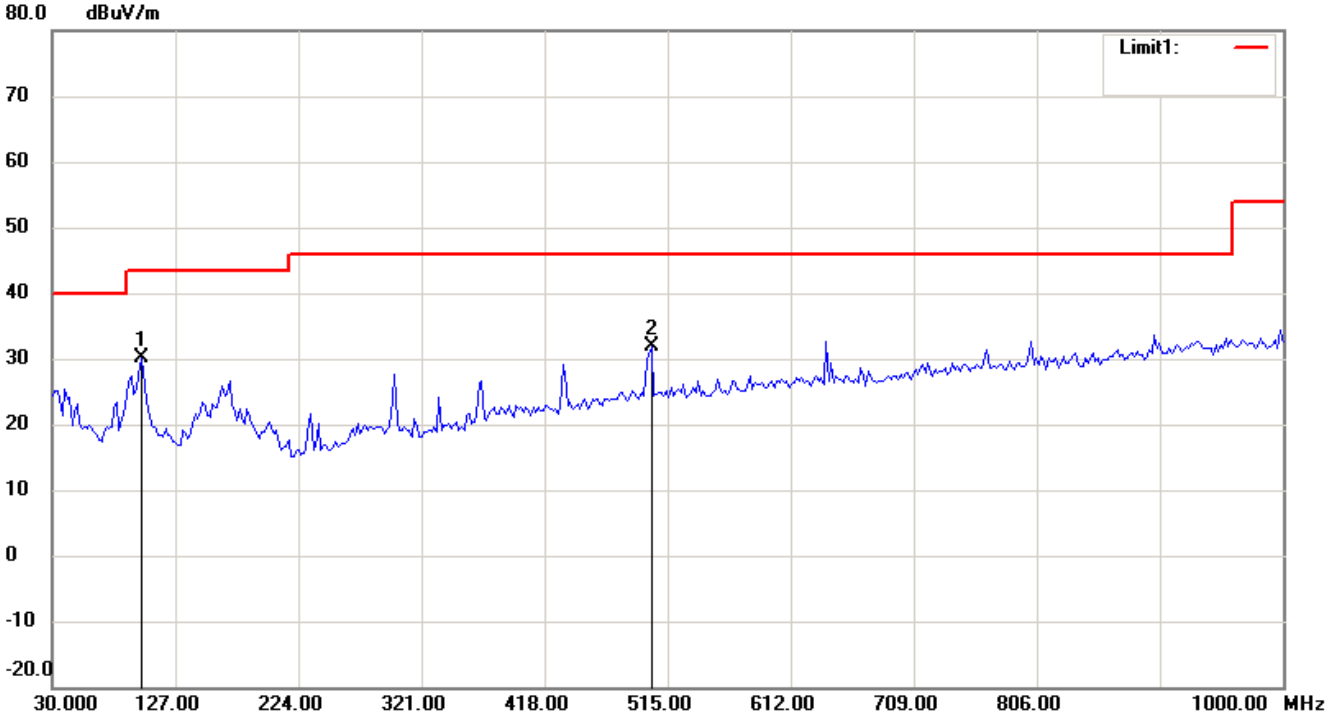
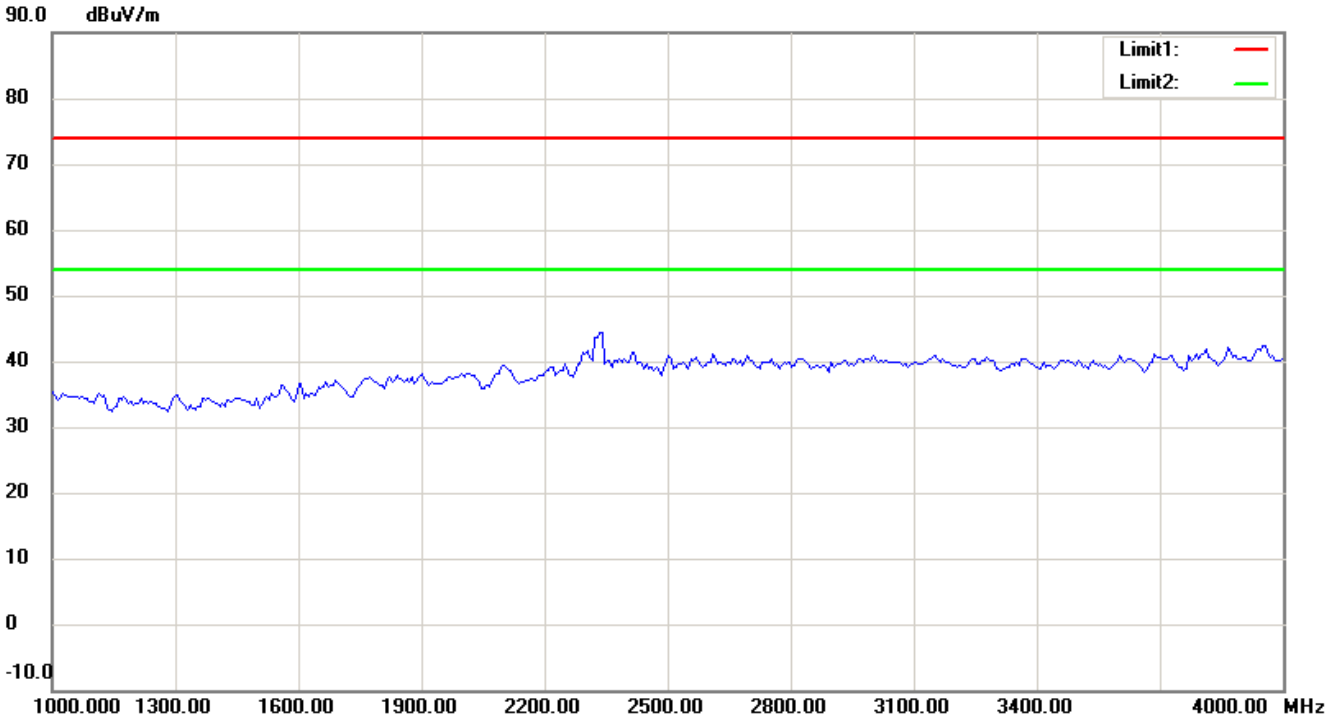
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna Polarization V





Up Line: Peak Limit Line Down Line: Ave Limit Line
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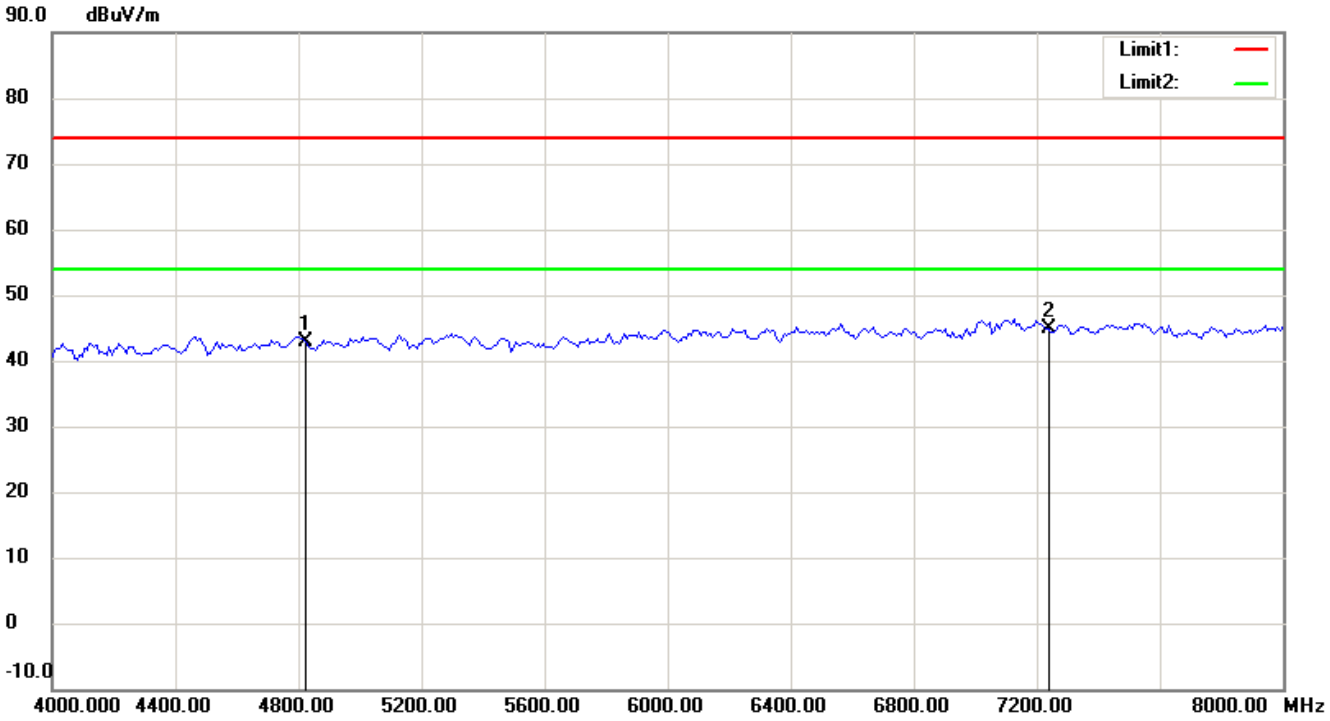
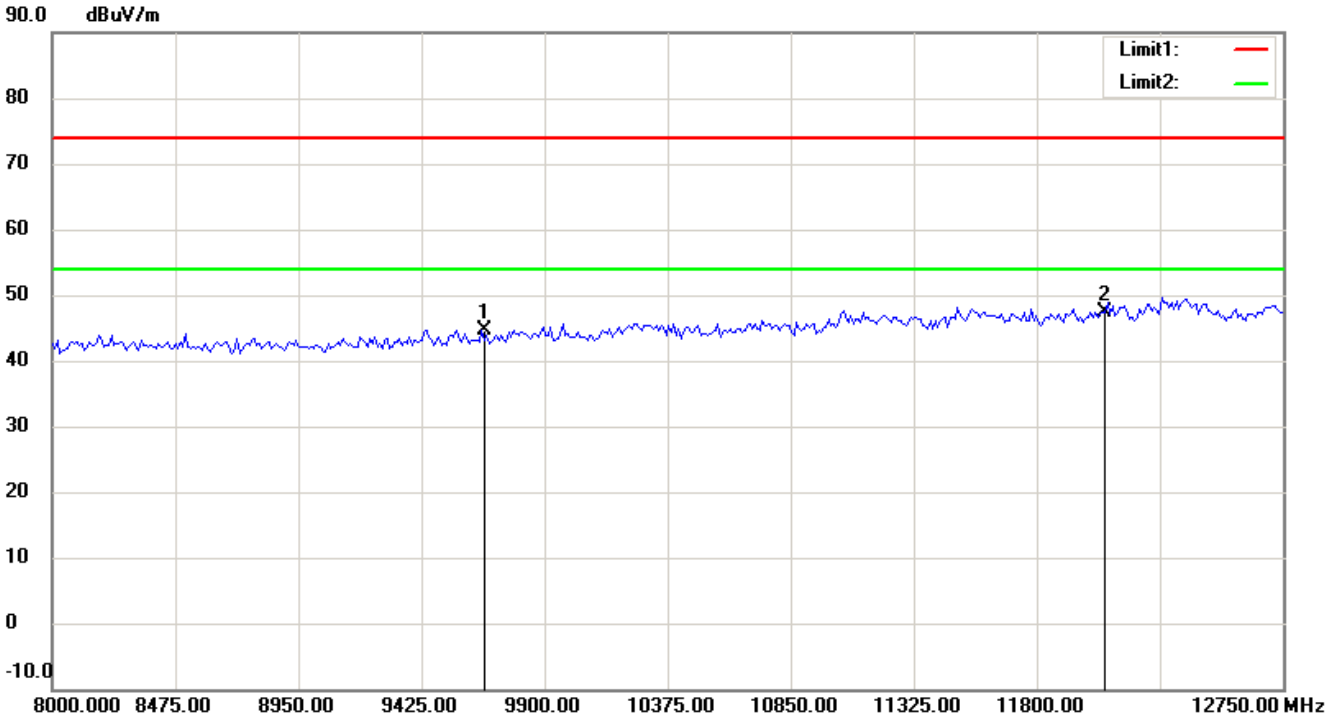
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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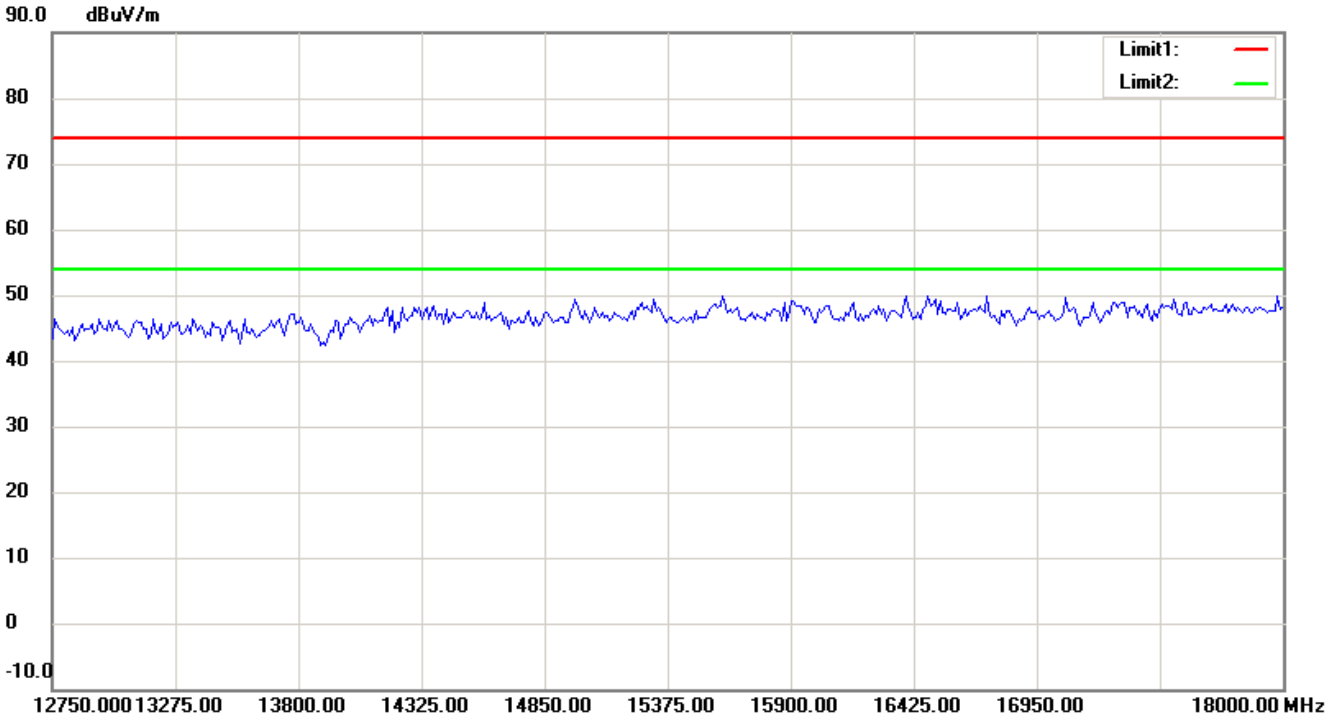
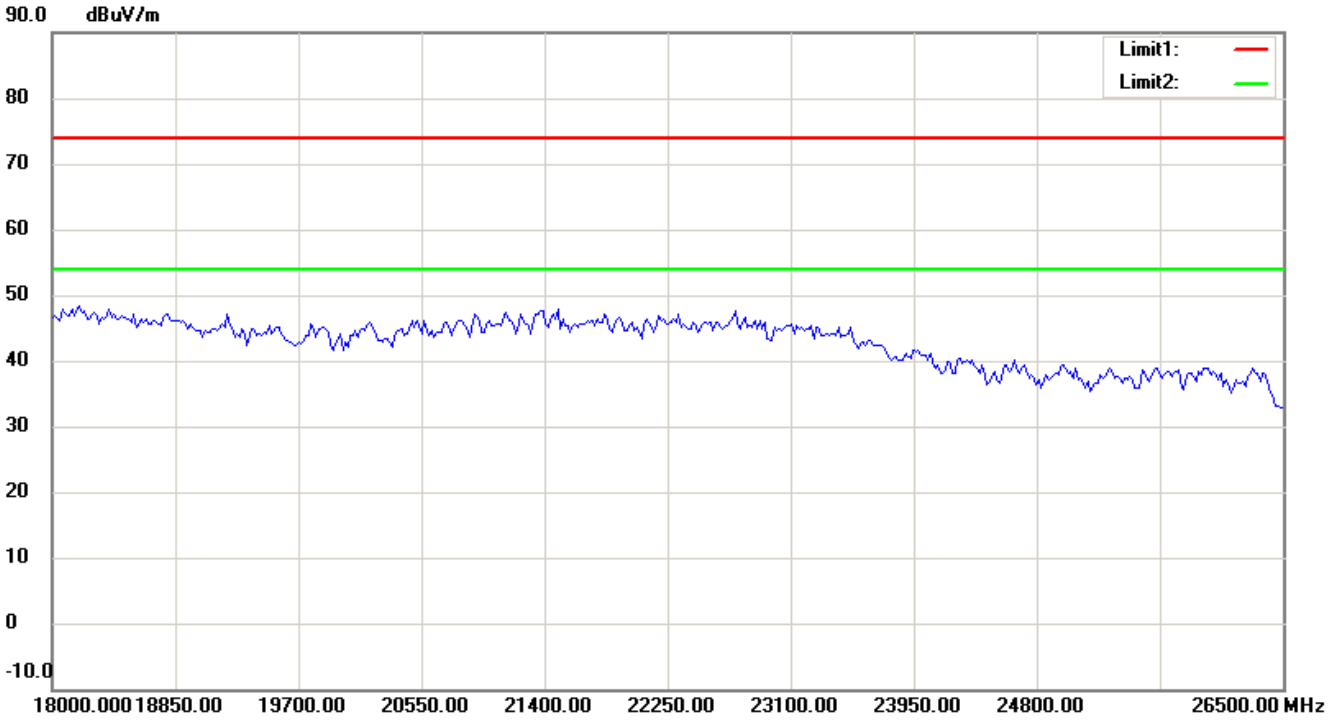
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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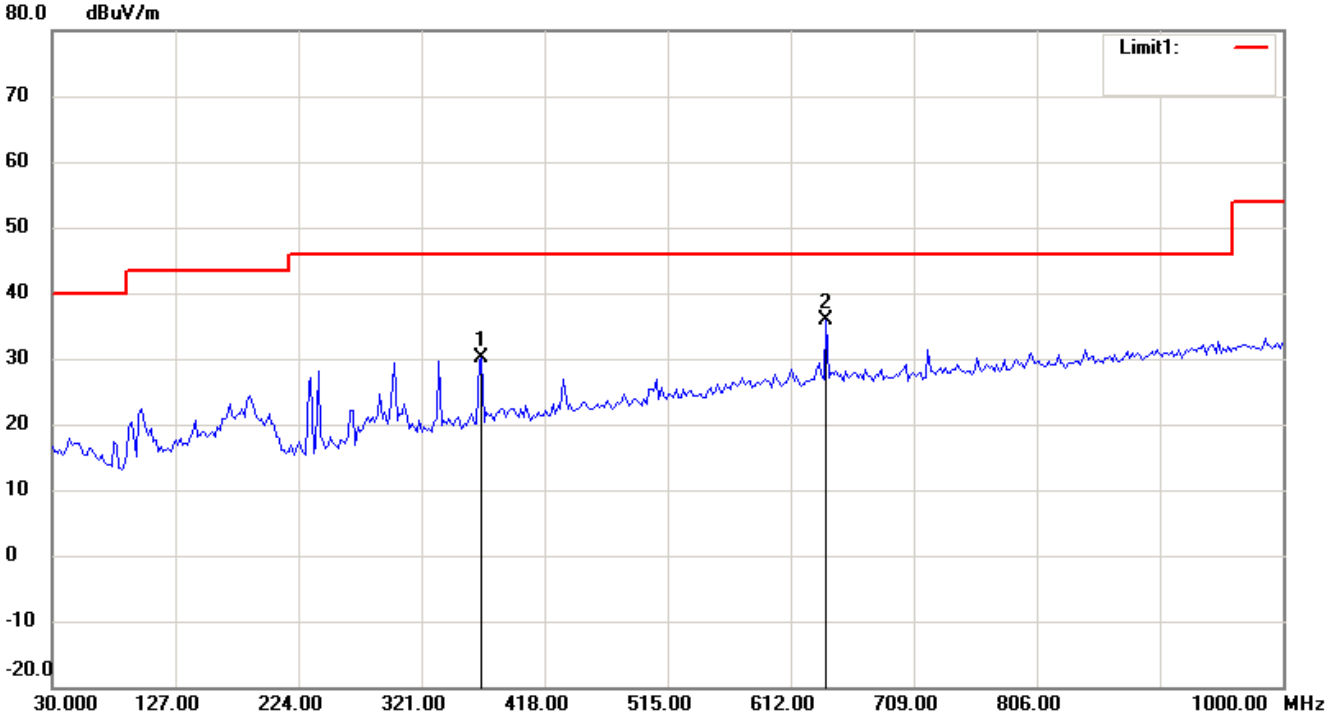
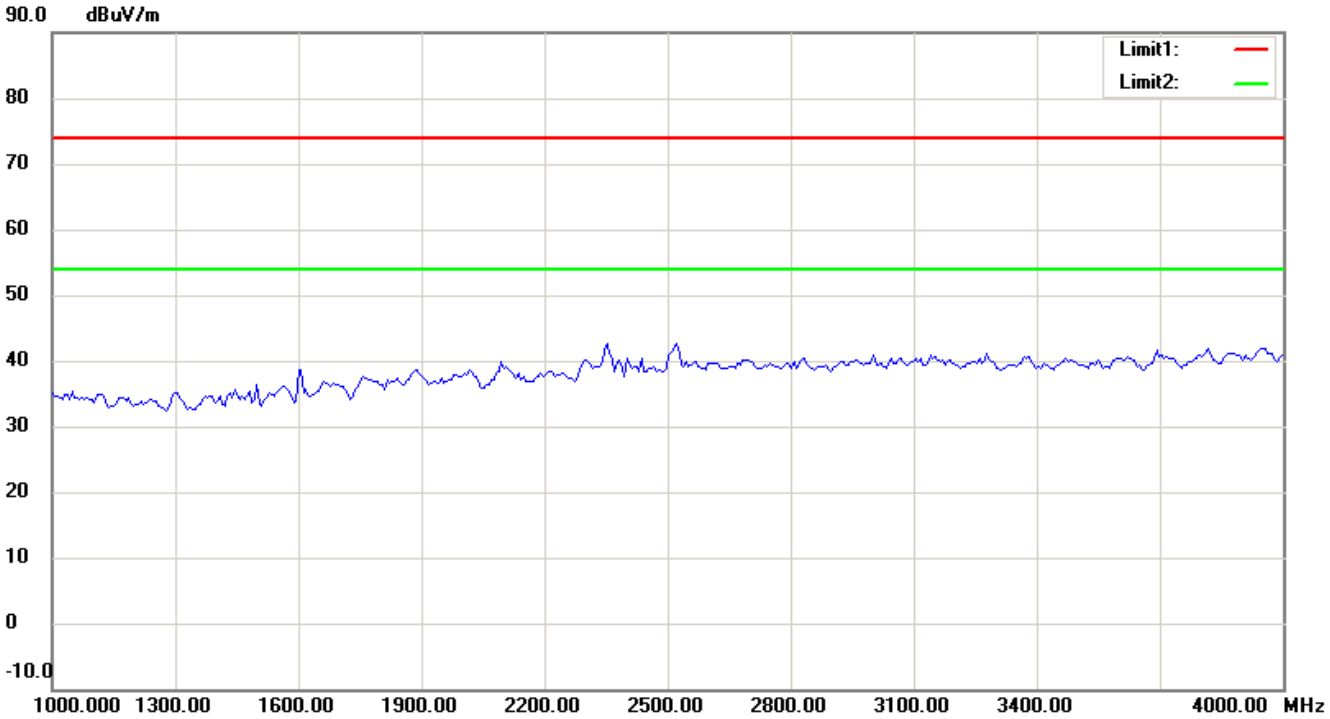
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11g 2437MHz
Antenna Polarization H





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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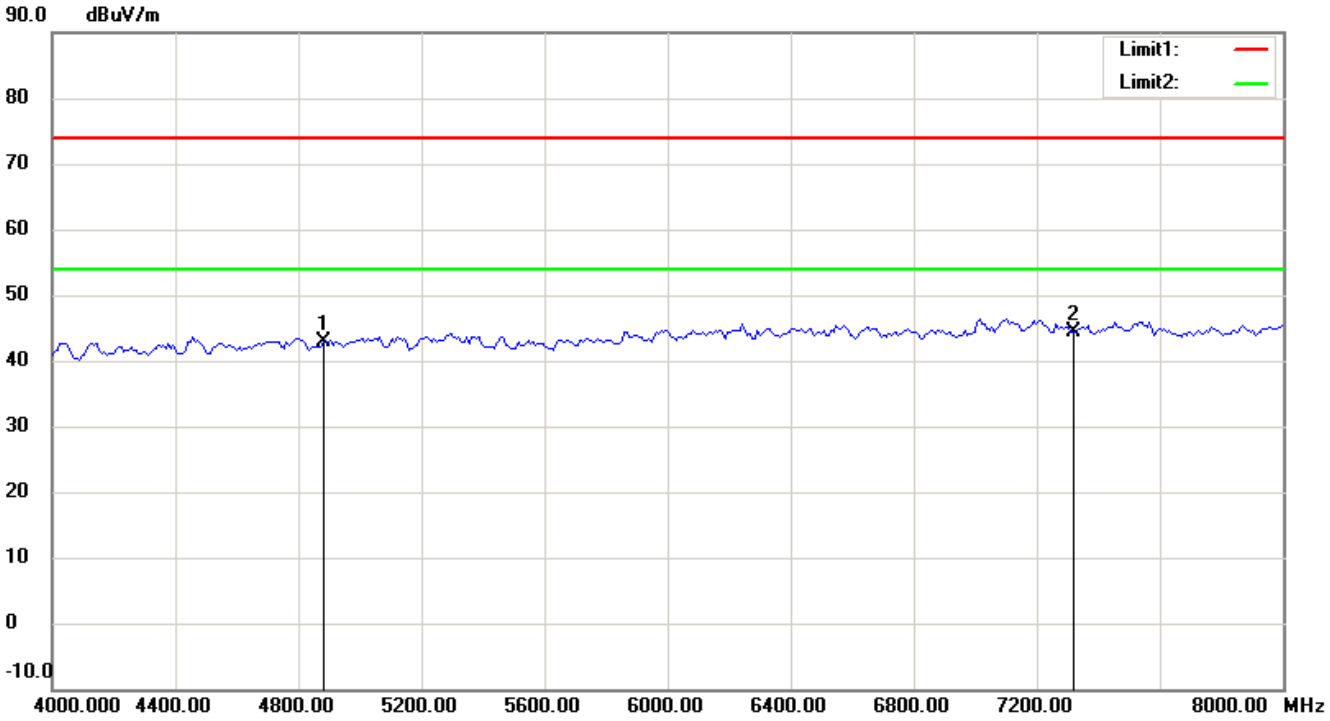
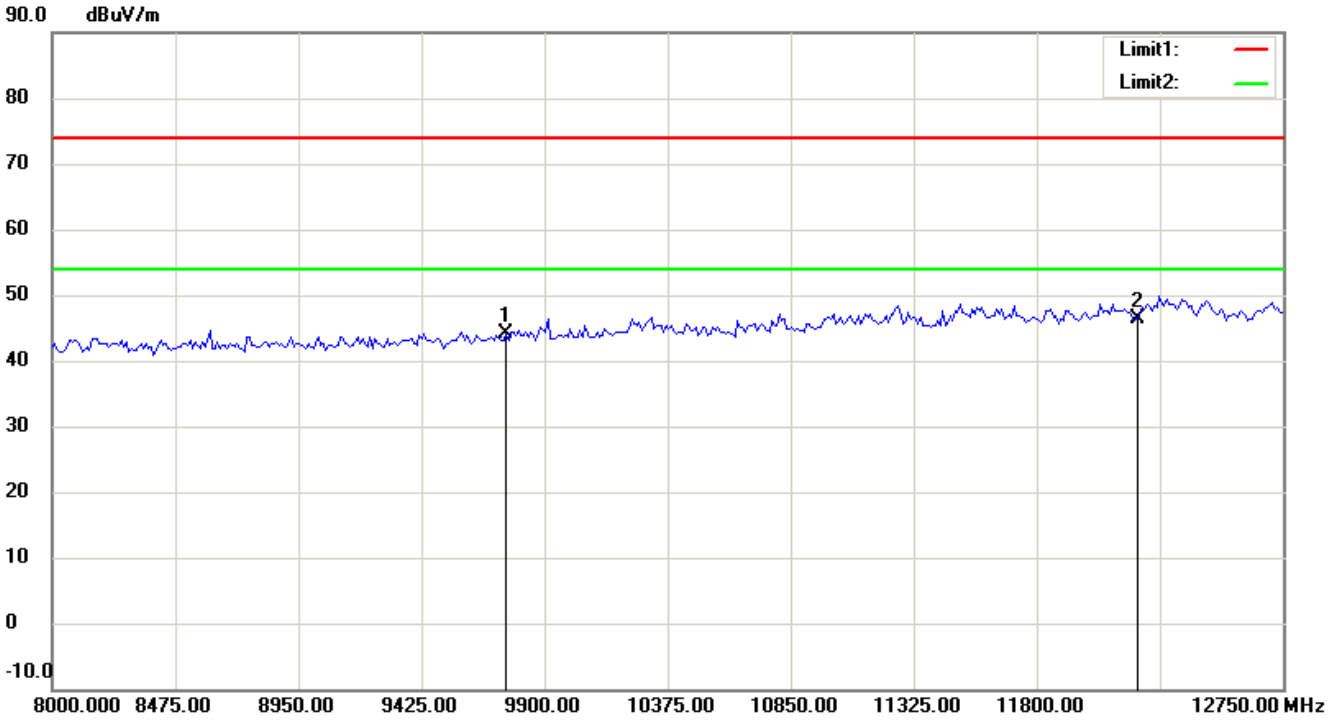
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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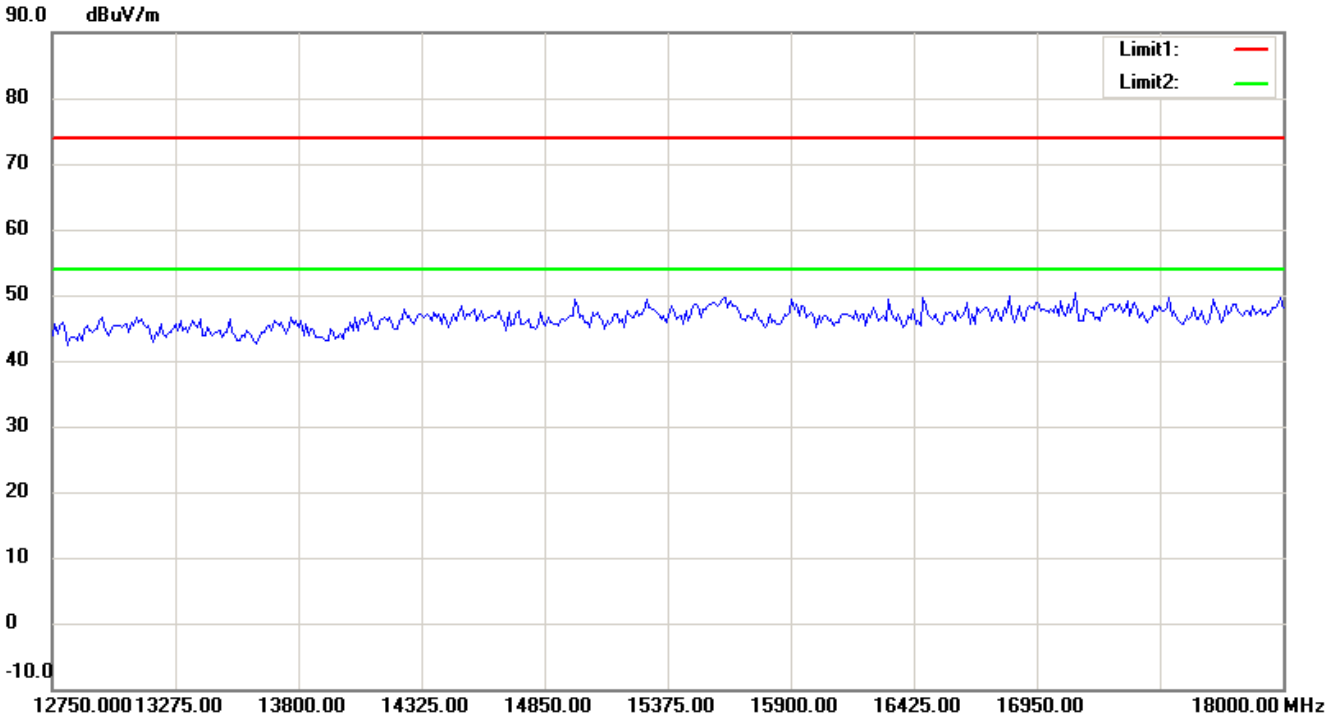
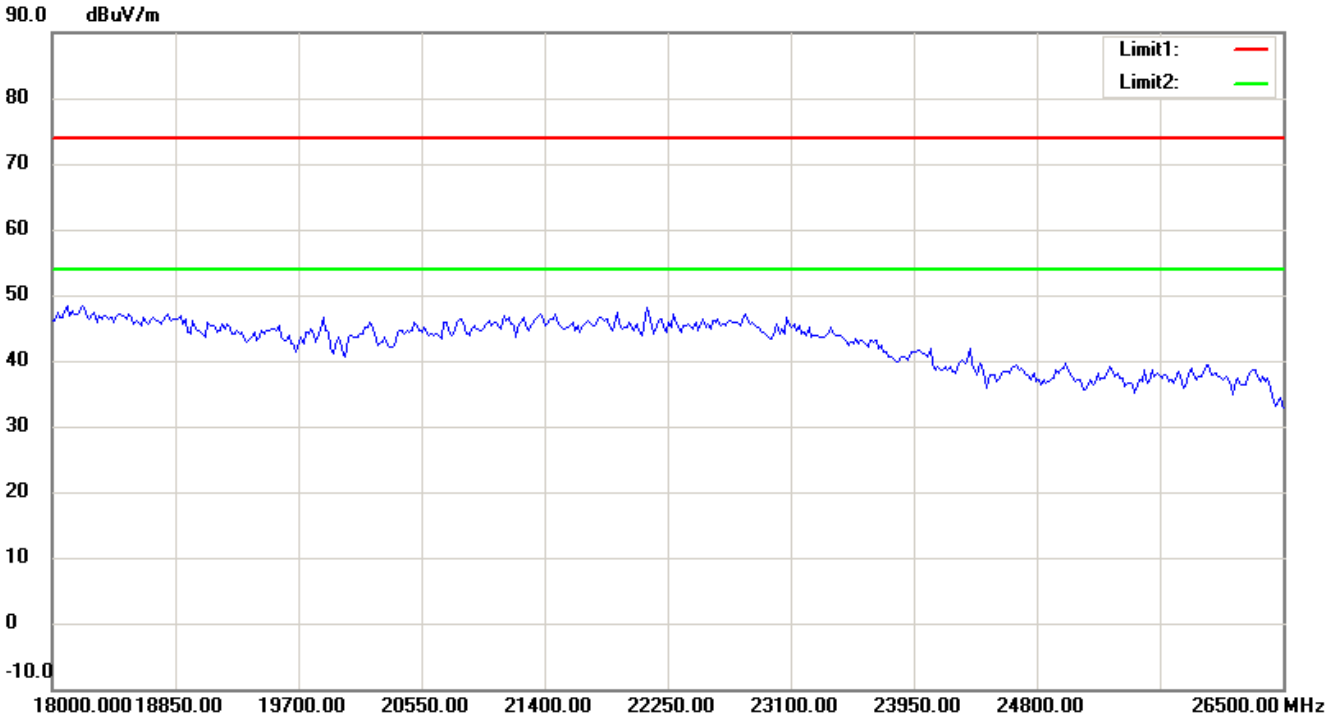




Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

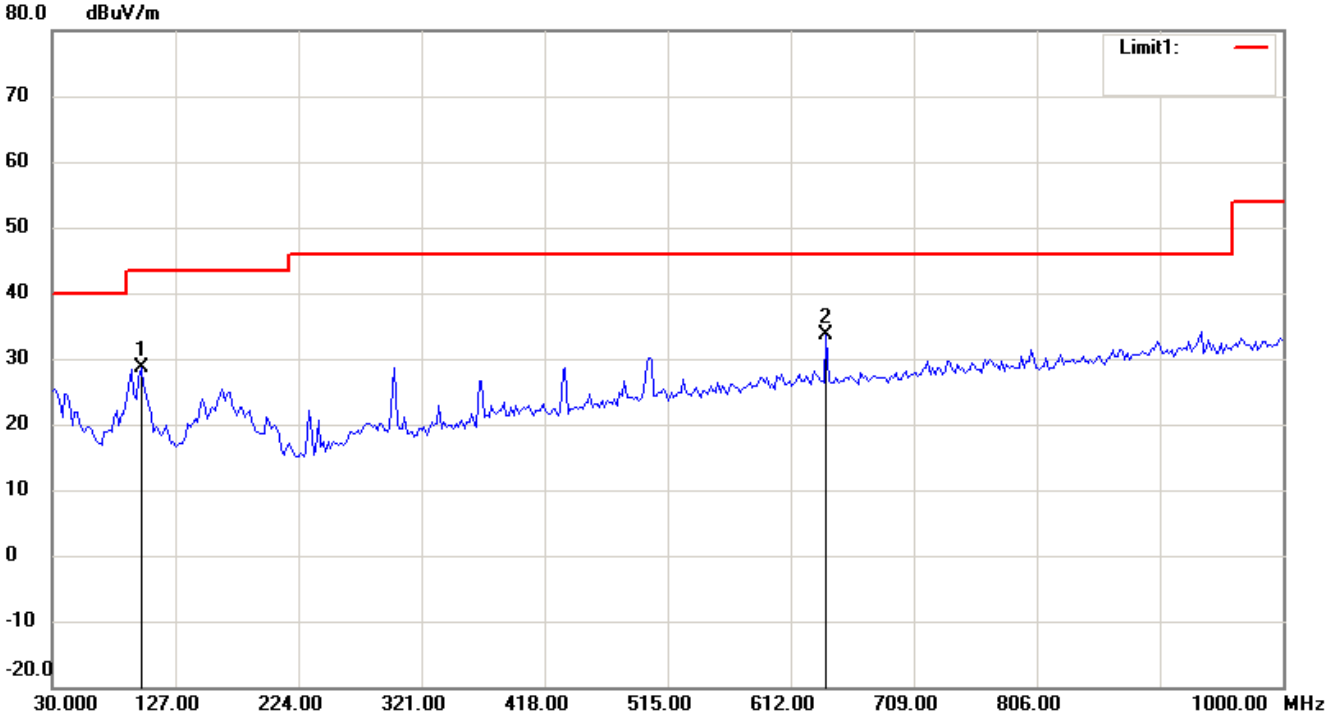
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.

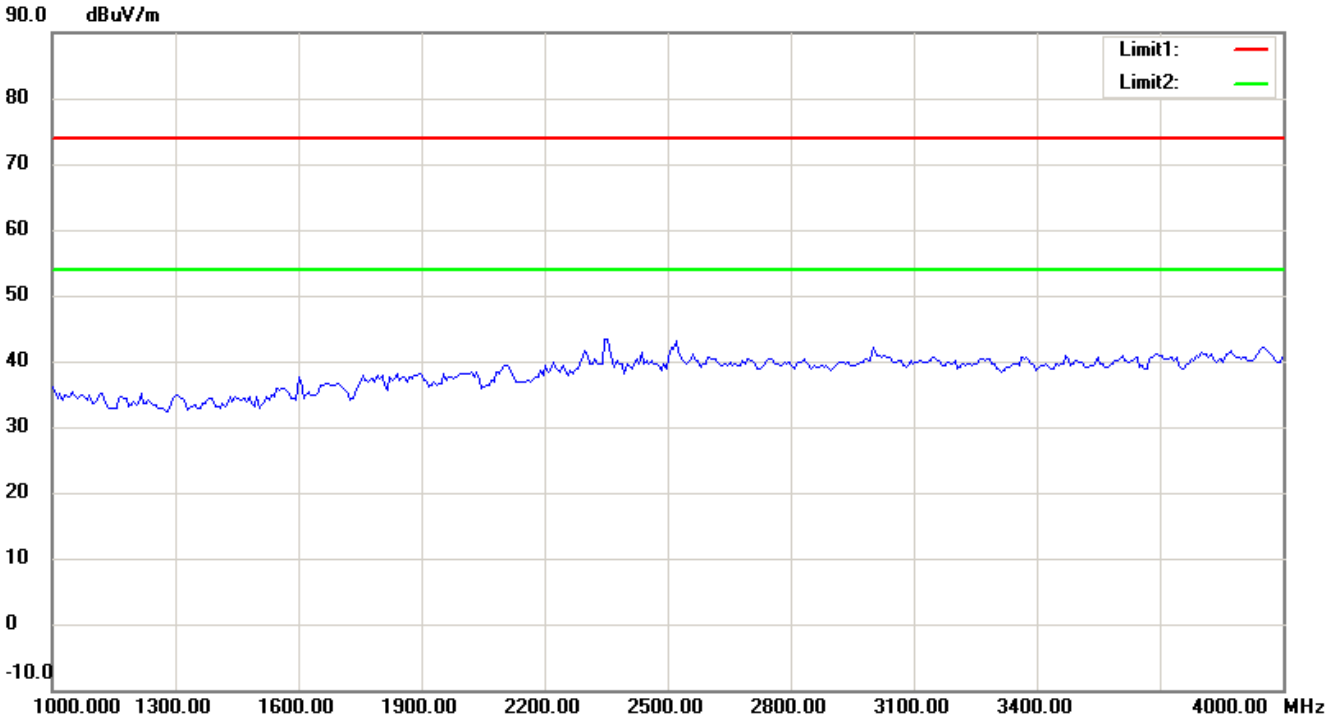
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.

3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna Polarization V

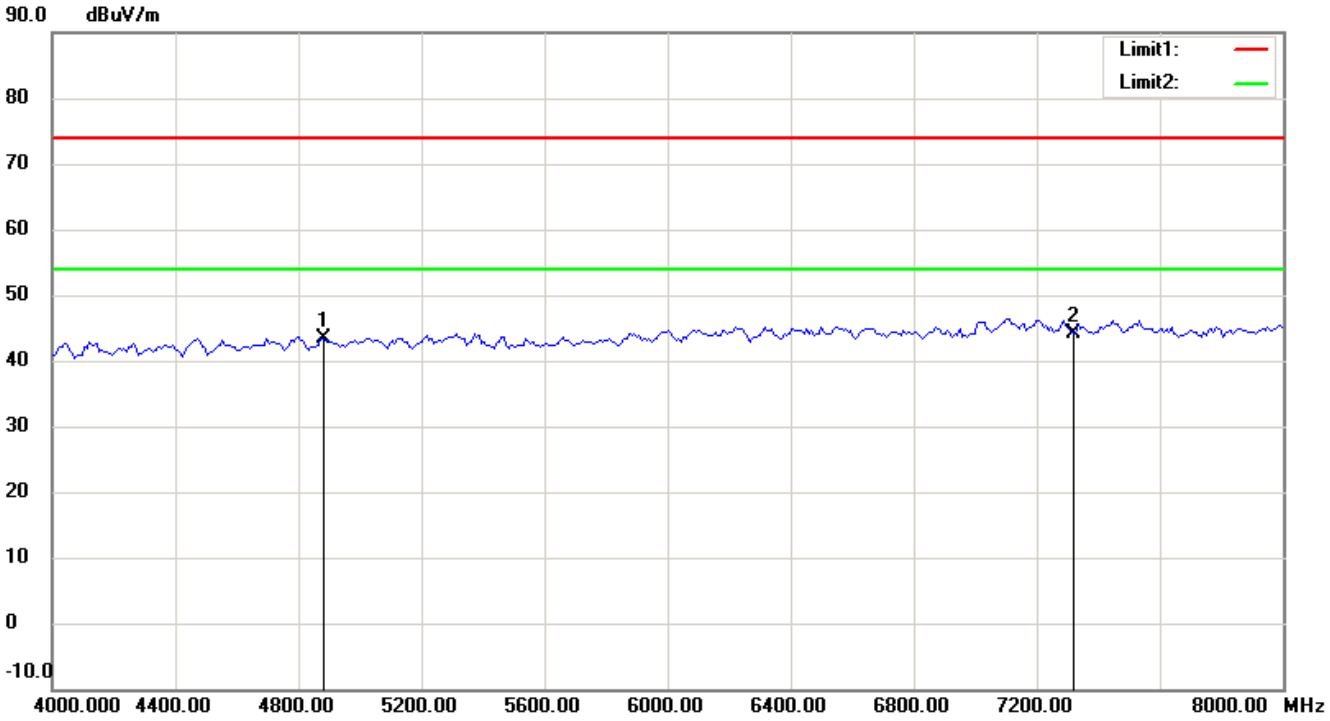


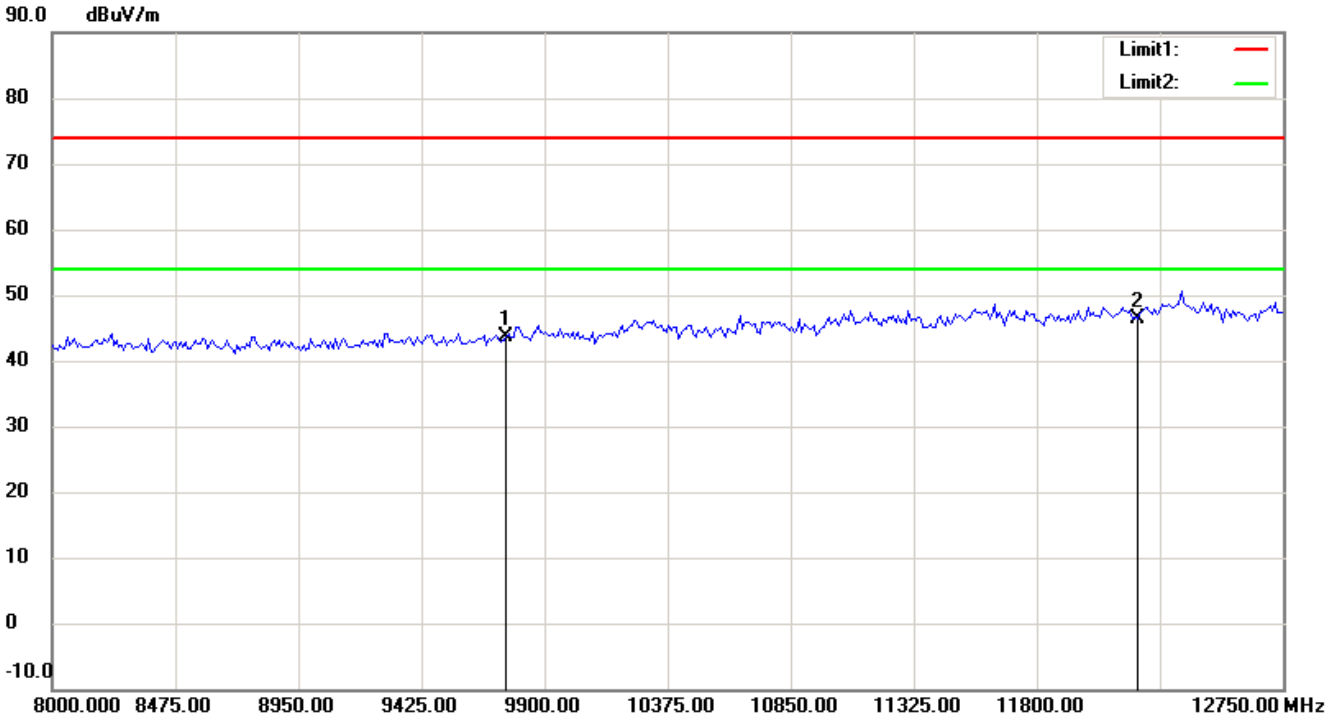


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

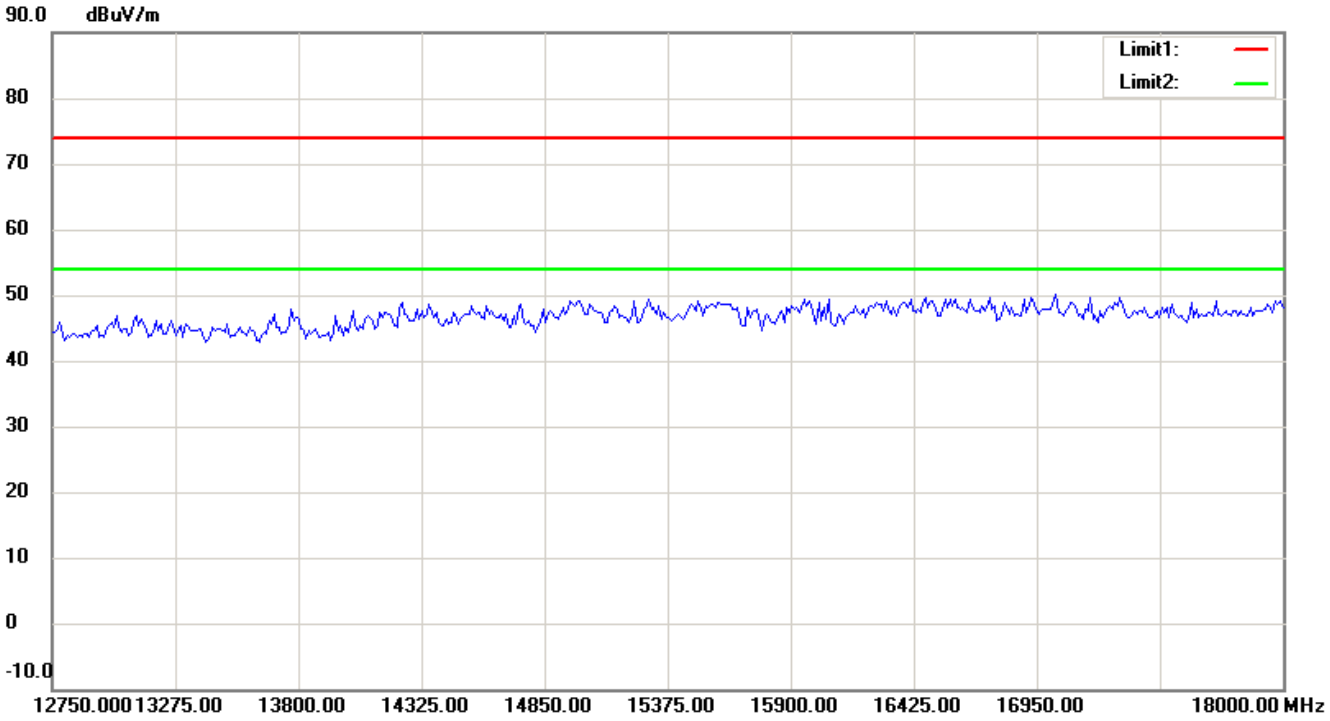


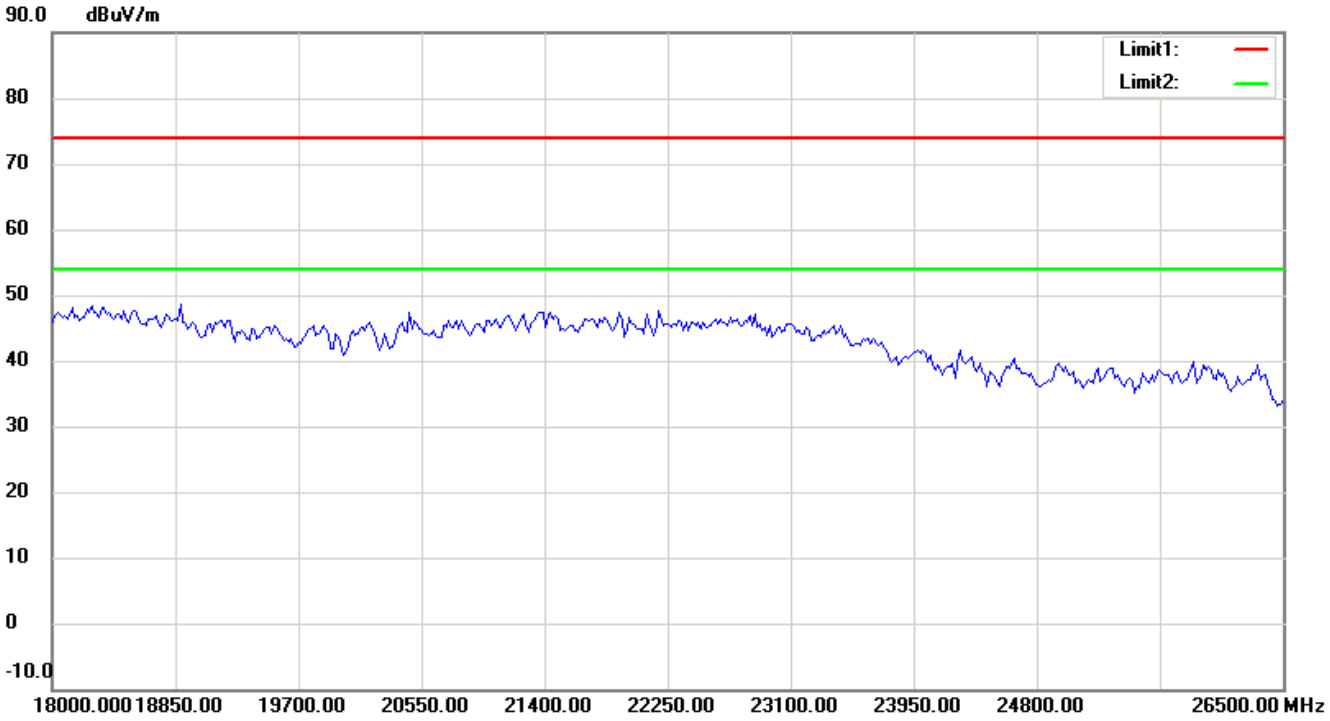


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



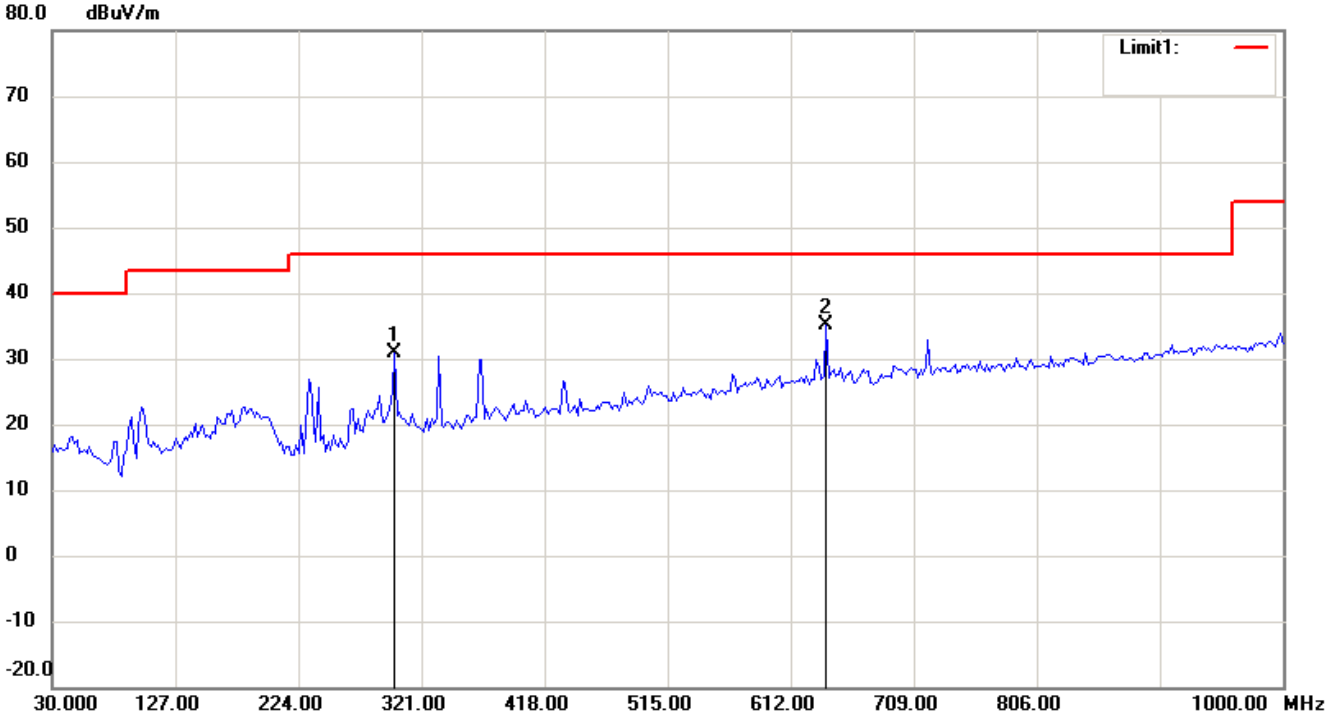


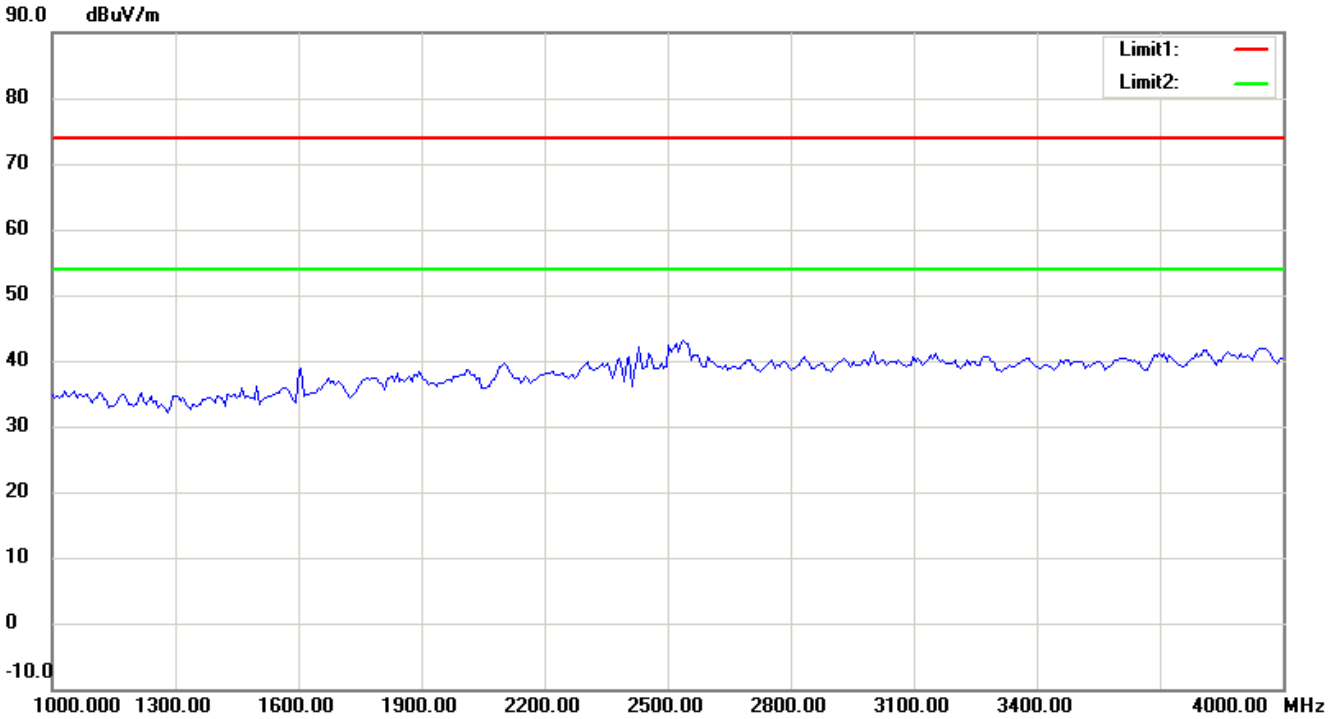
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11g 2462MHz
Antenna Polarization H

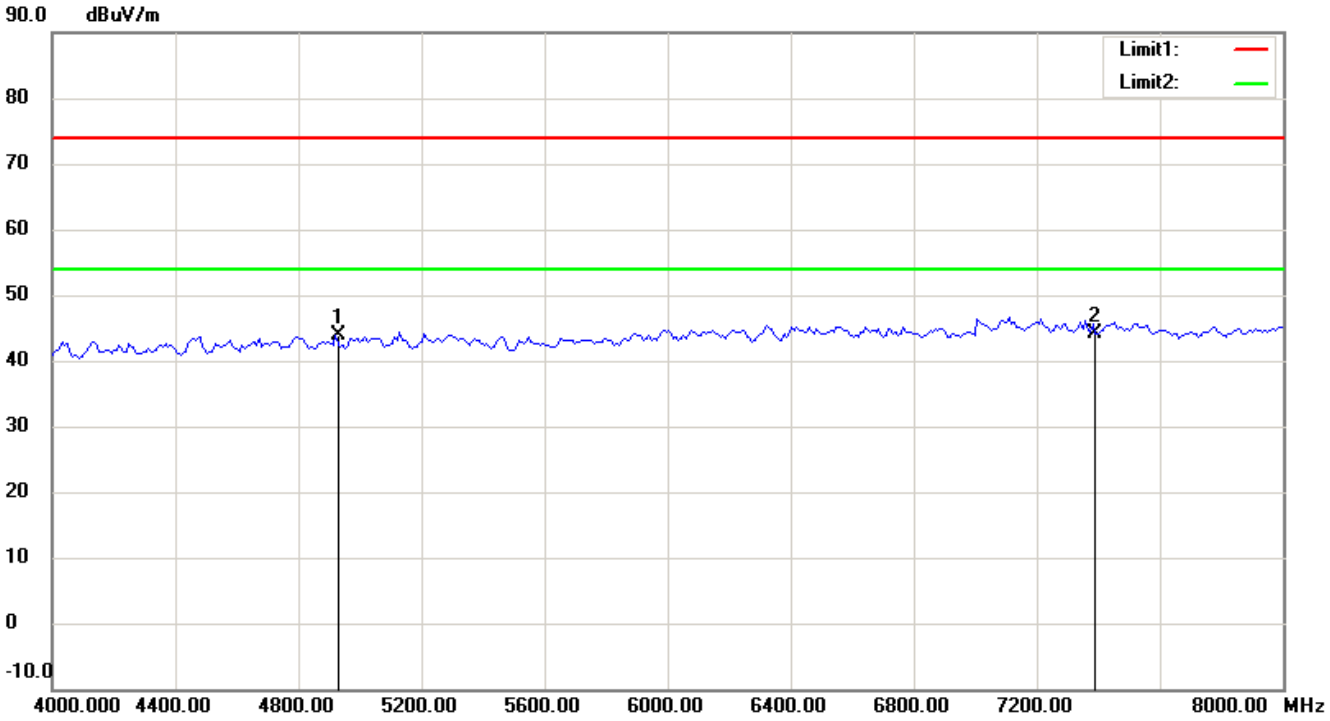


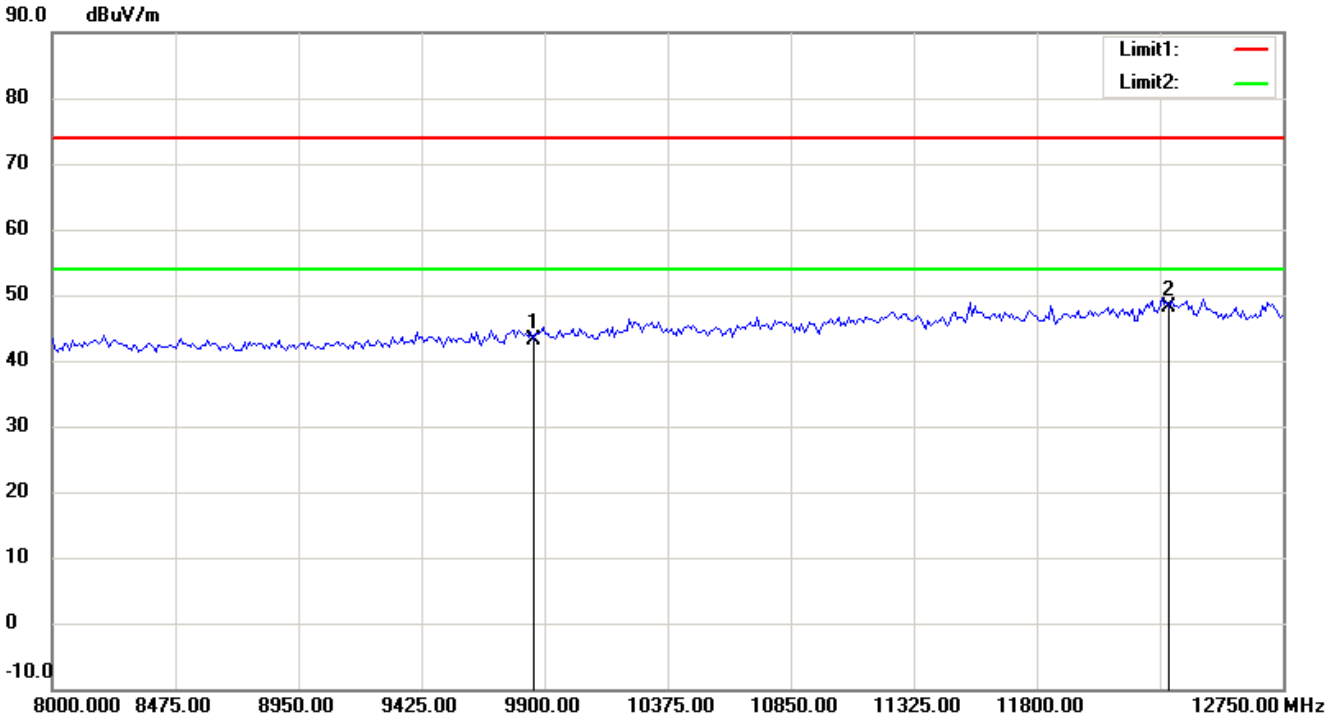


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

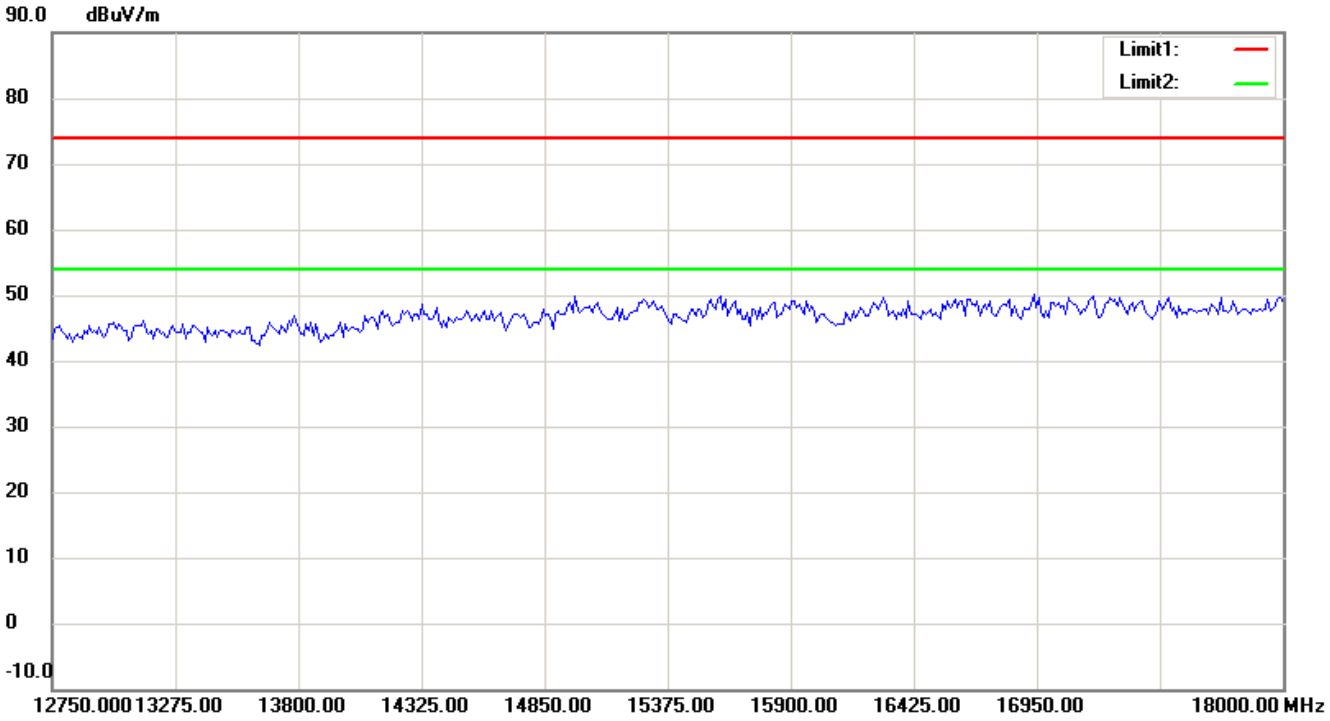


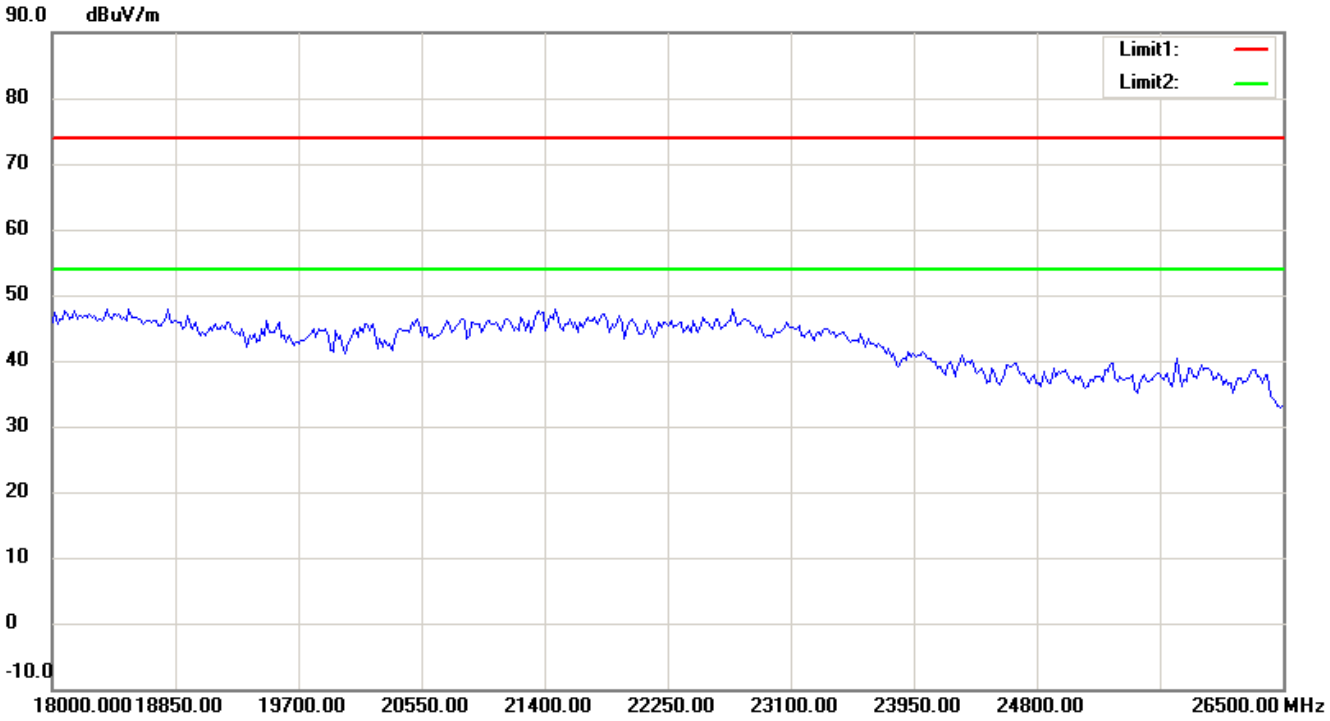


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



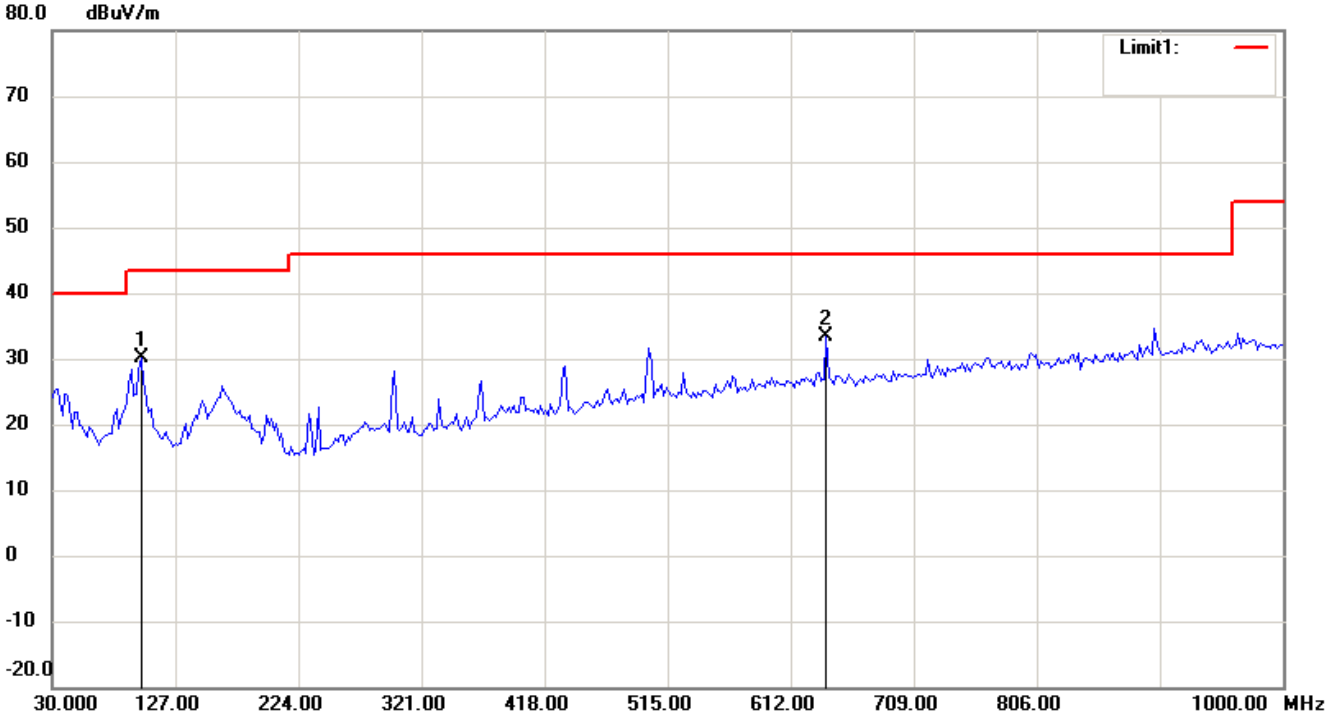


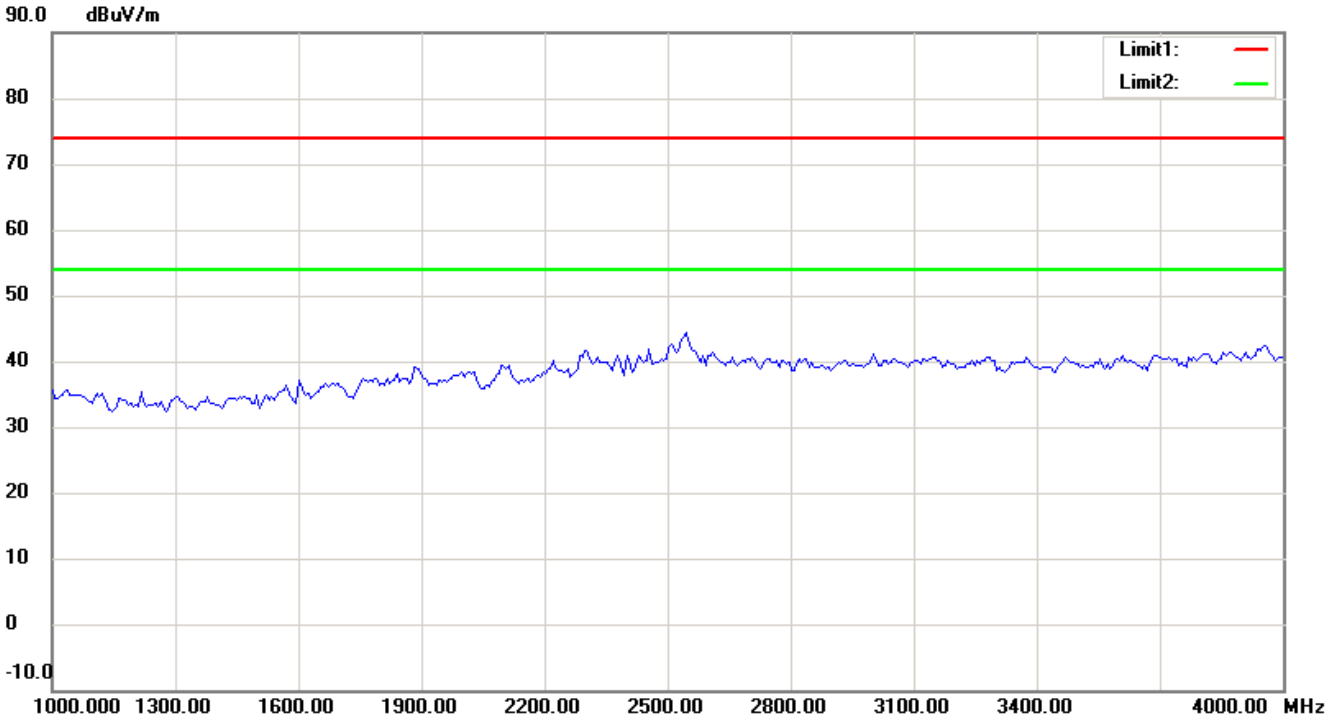
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna Polarization V

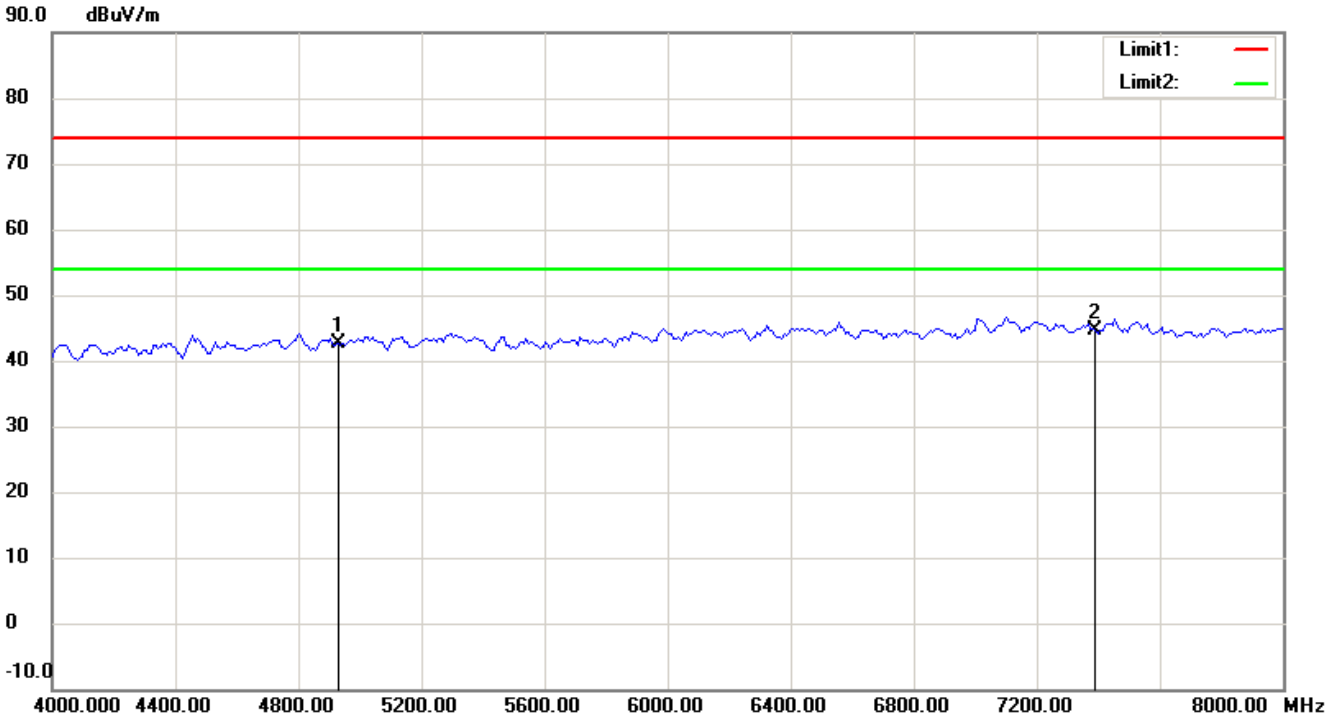


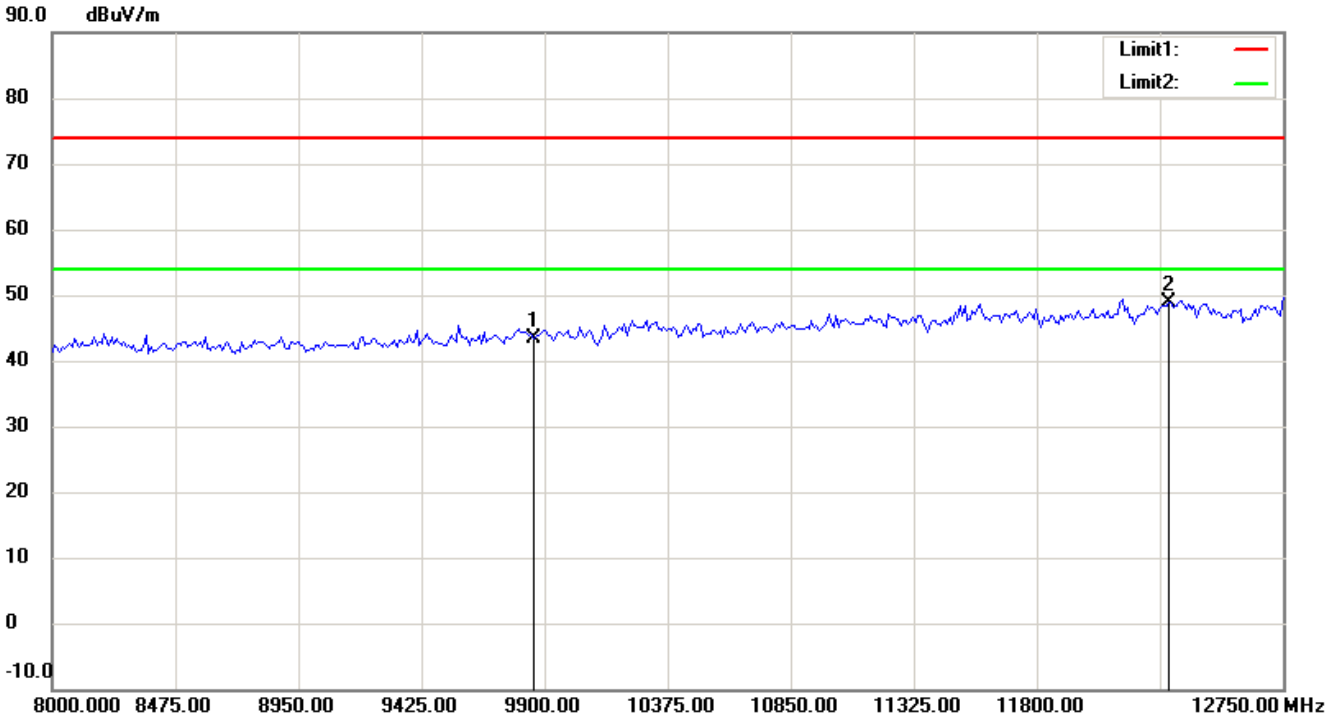


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

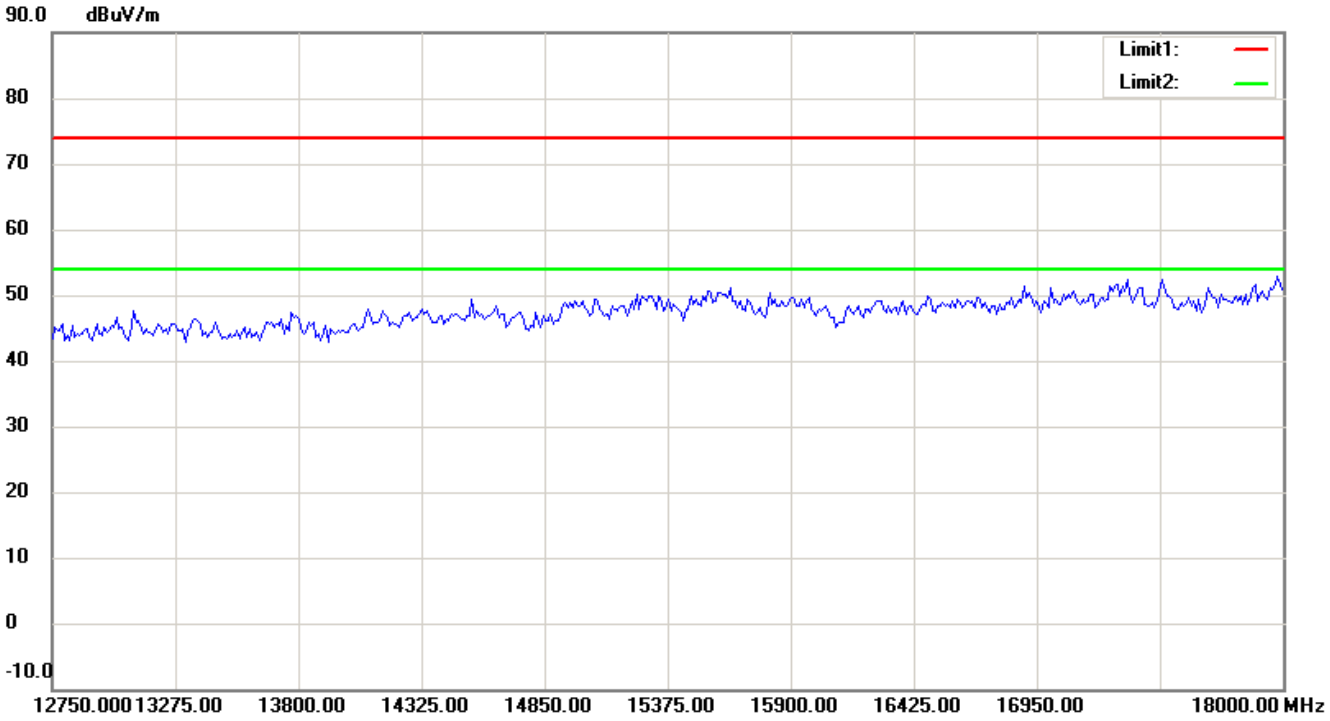
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

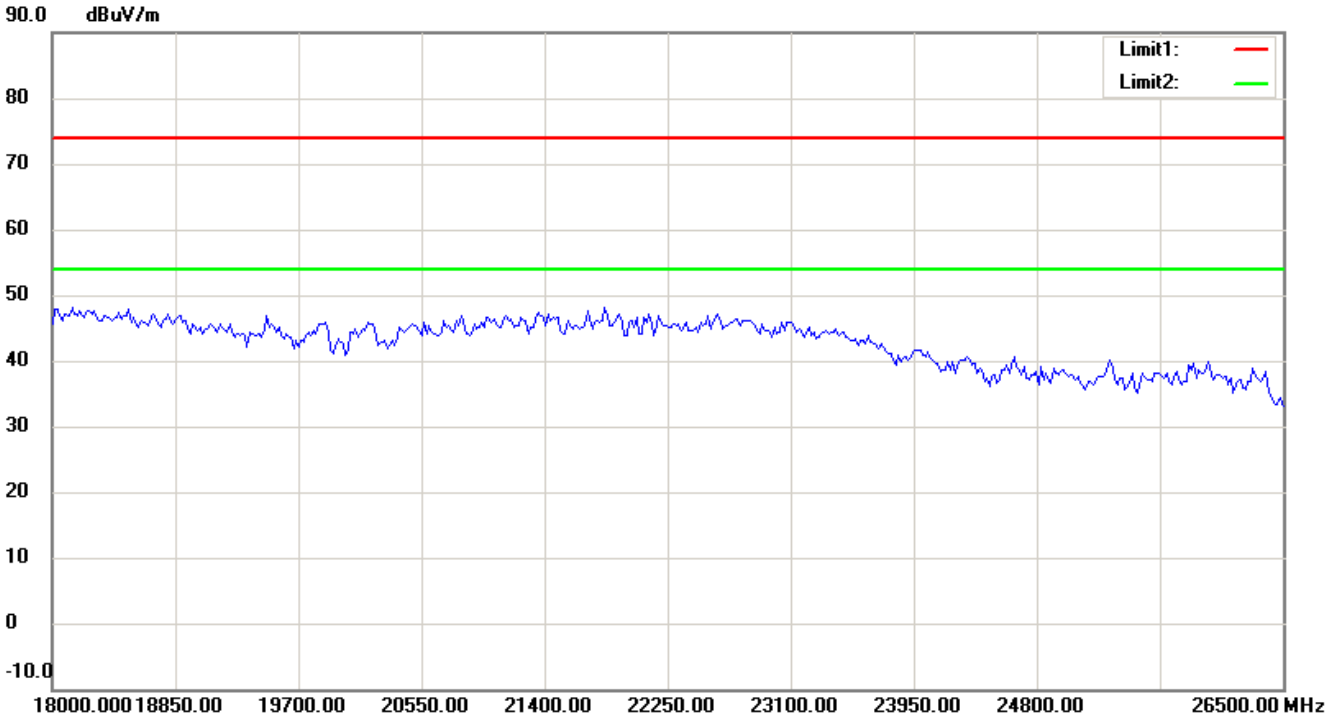




Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.





Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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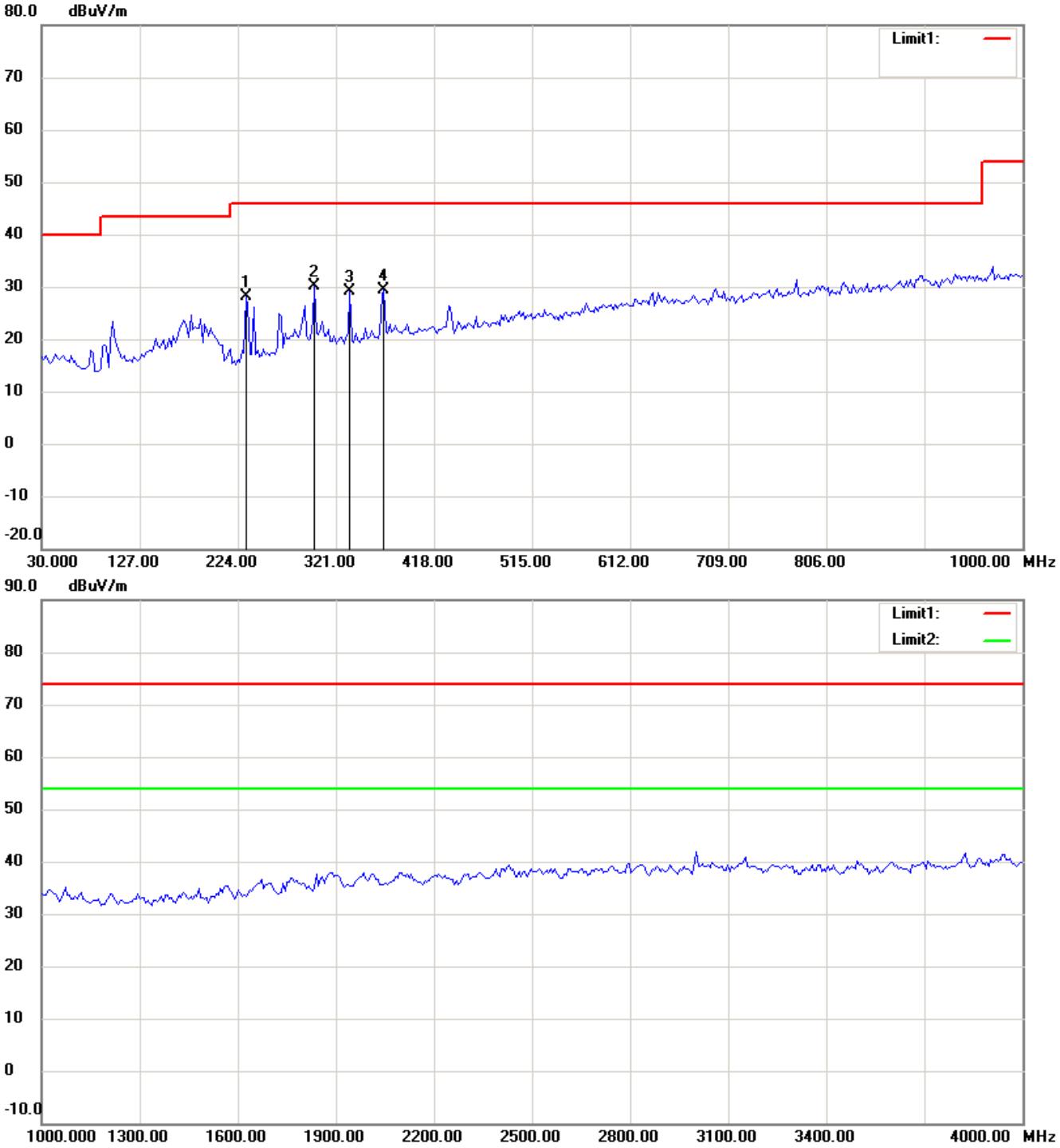
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

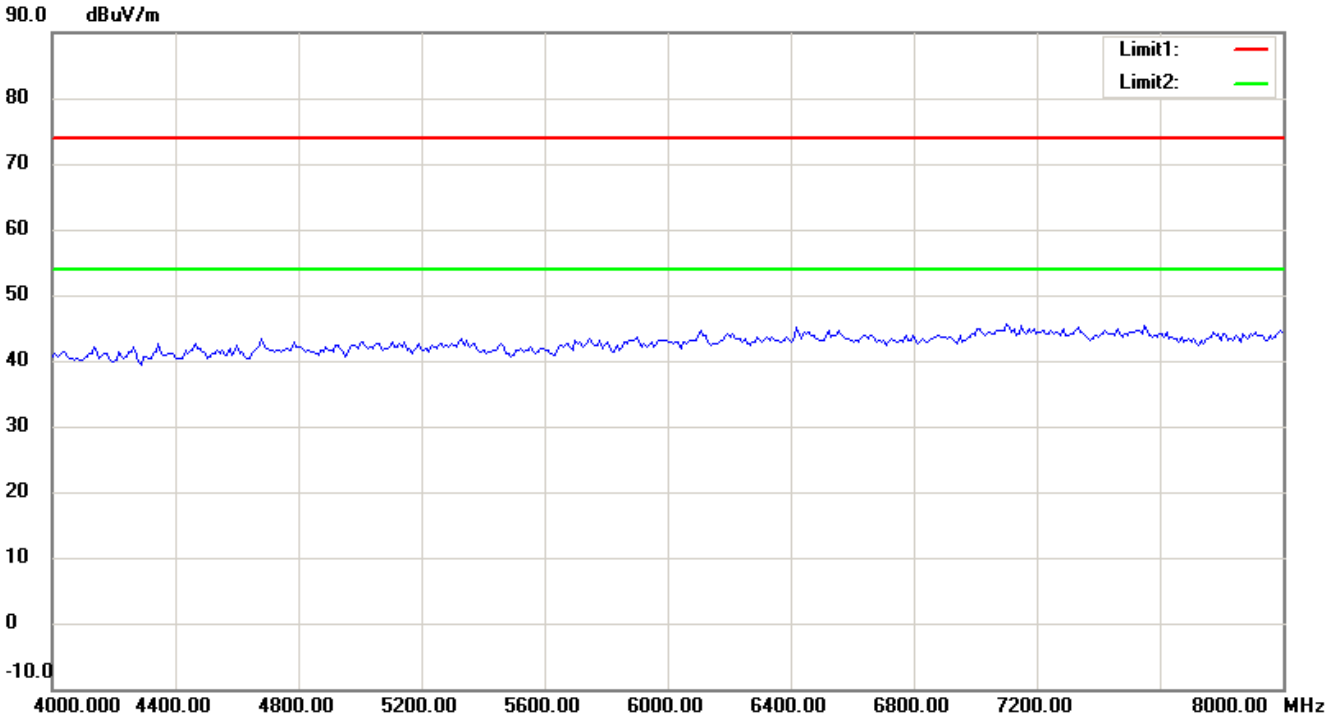
Antenna A + Antenna B
802.11n 20MHz 5745MHz
Antenna Polarization H

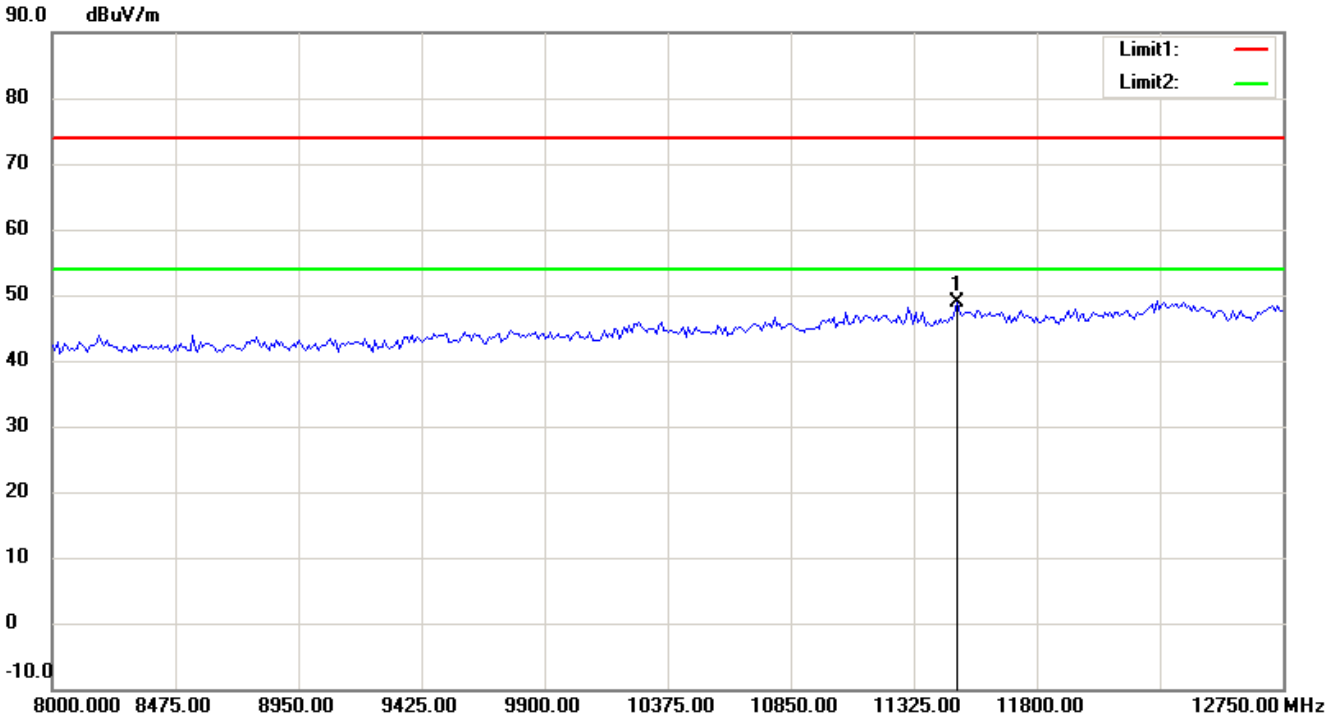


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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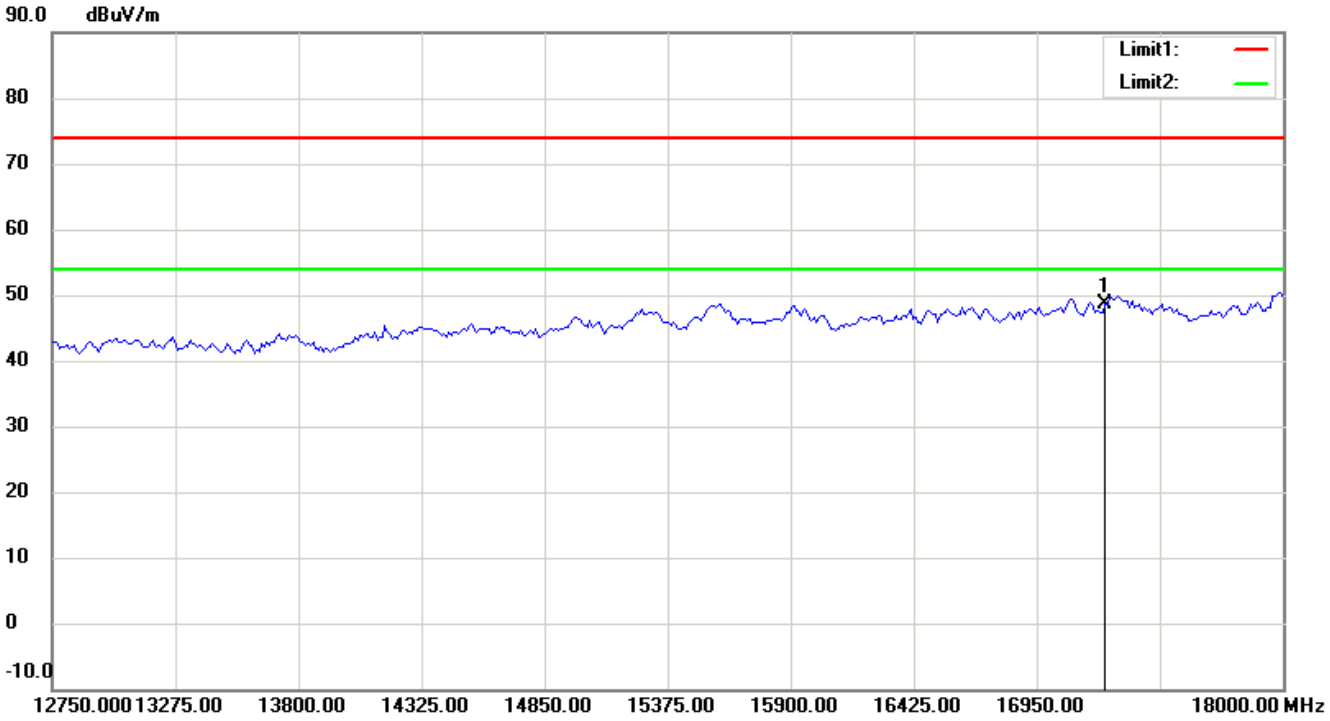
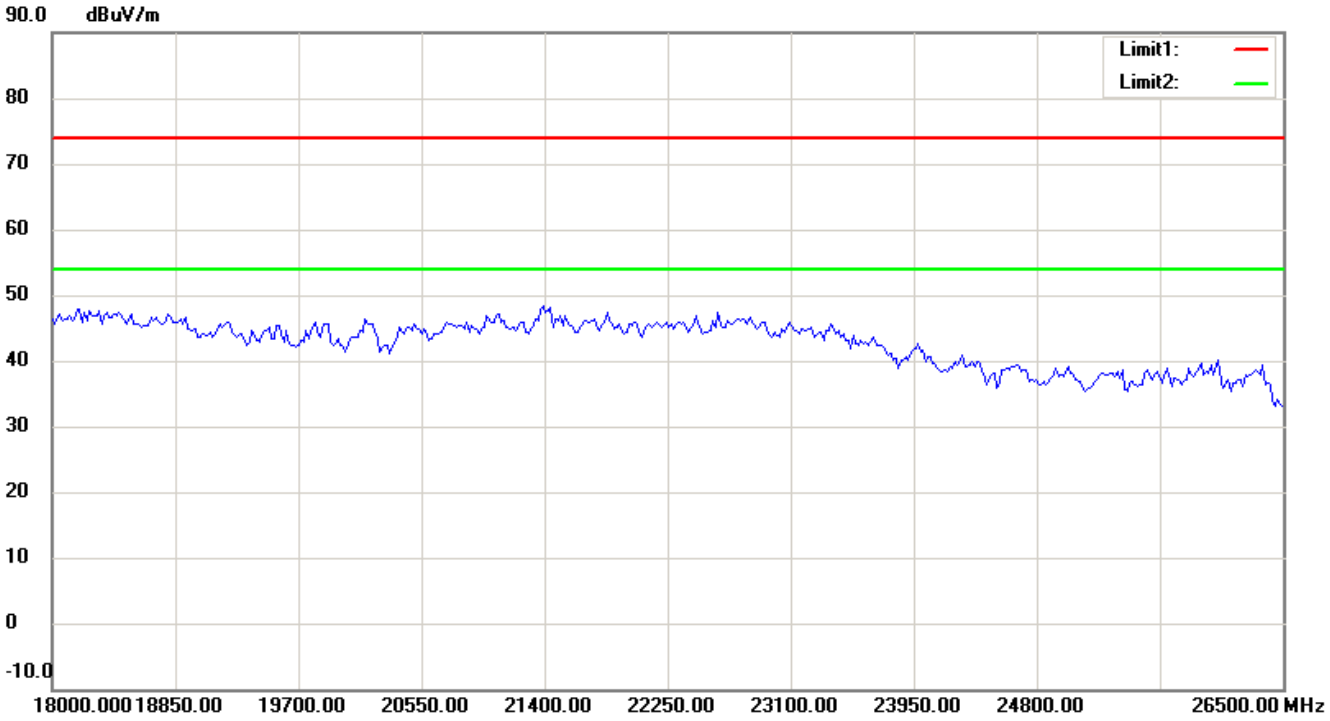
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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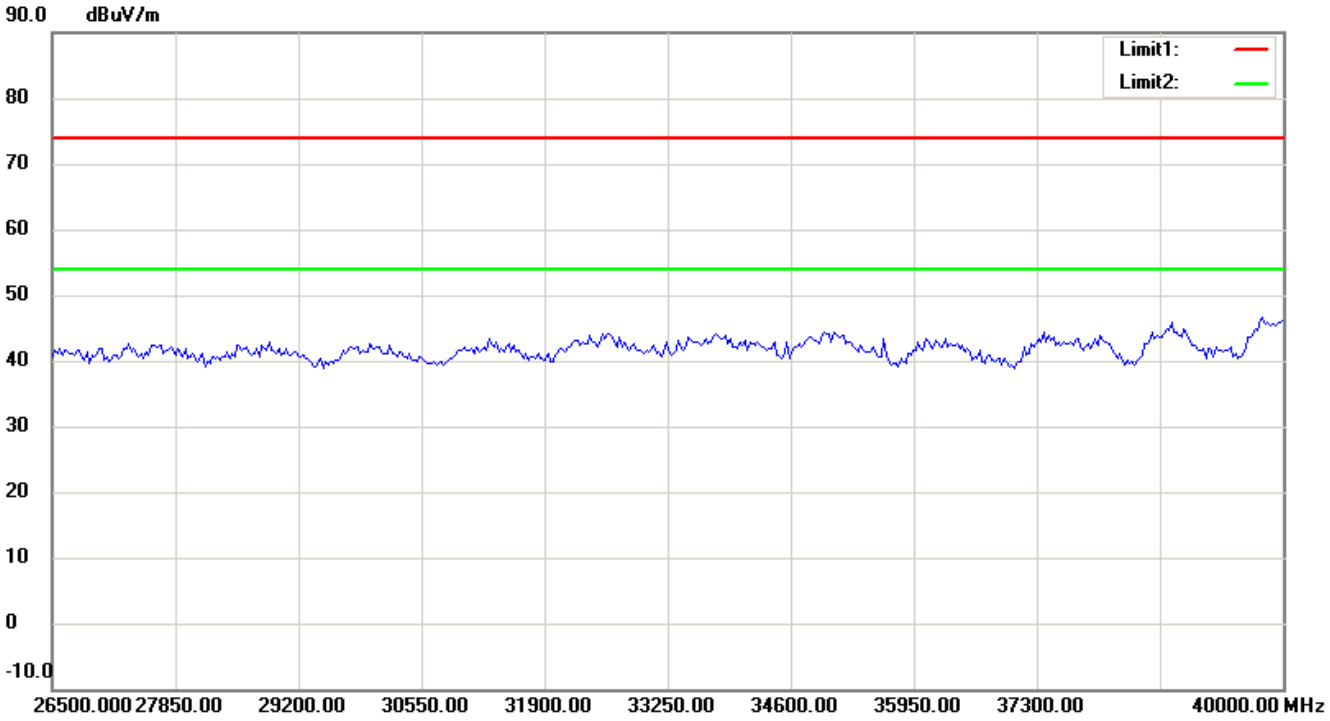
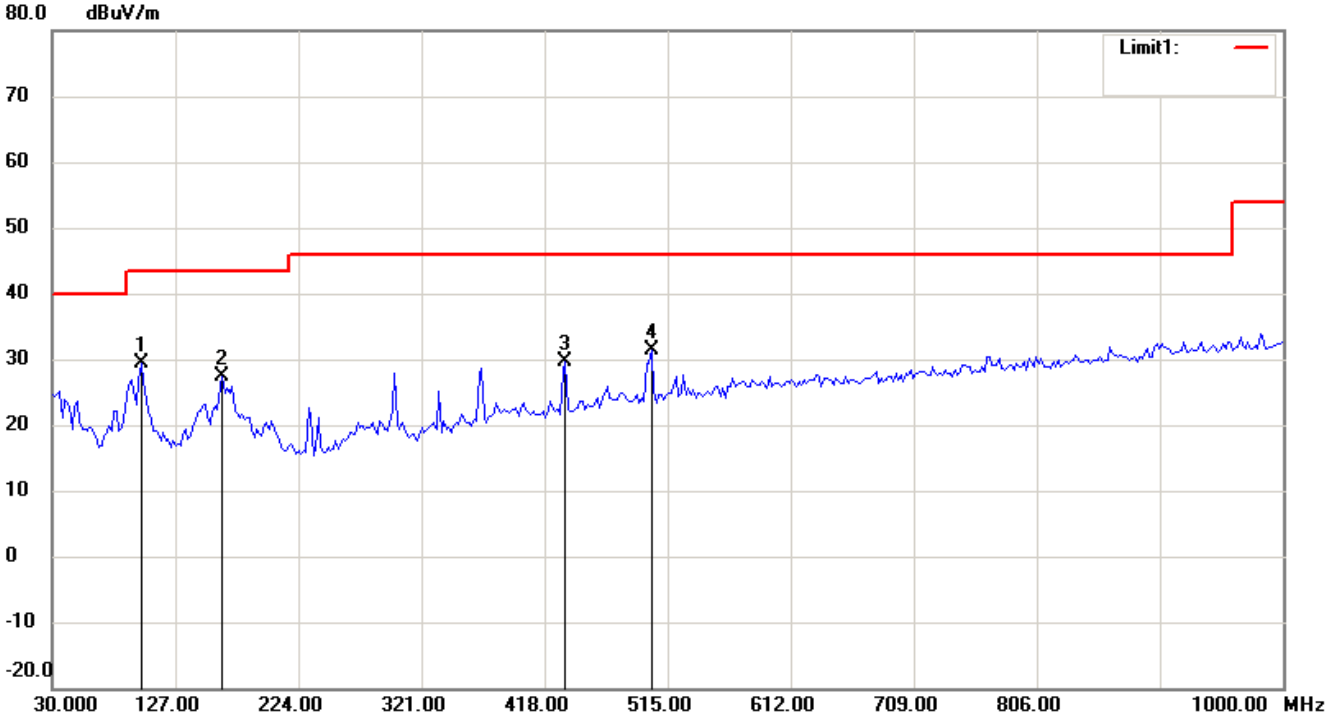
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



Antenna Polarization V



Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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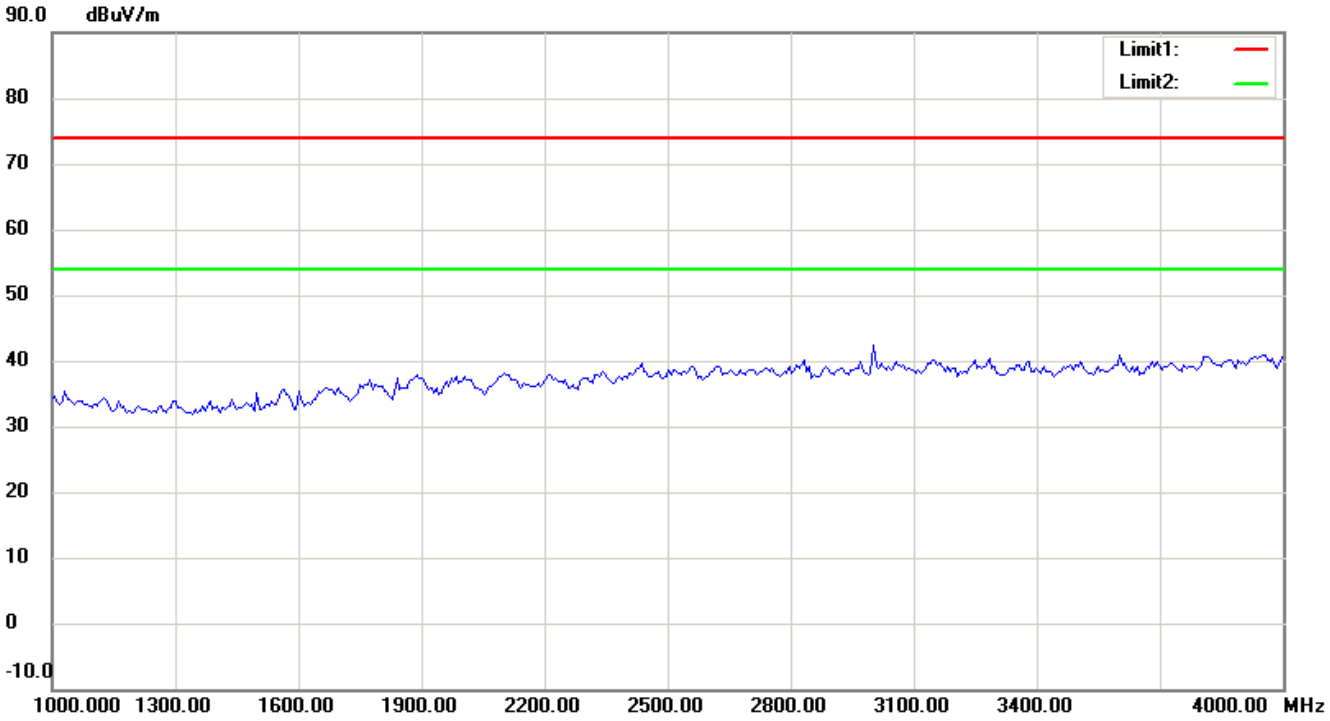
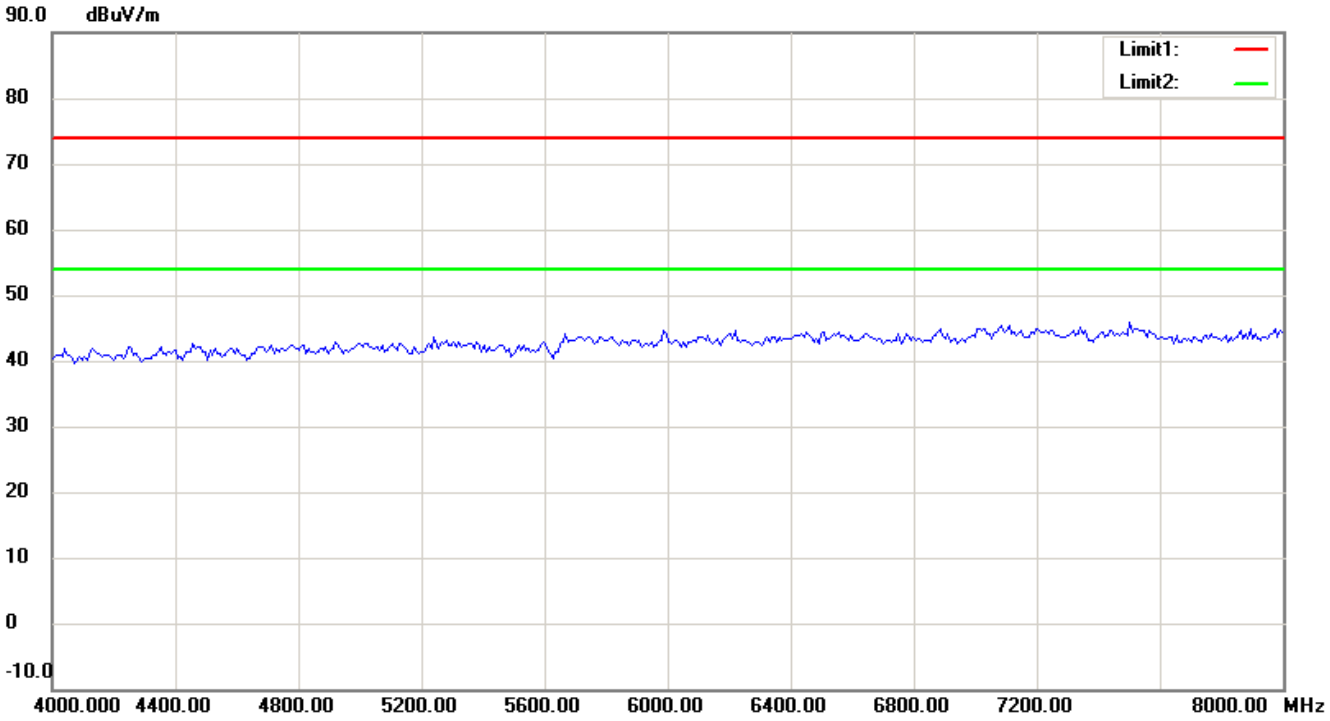
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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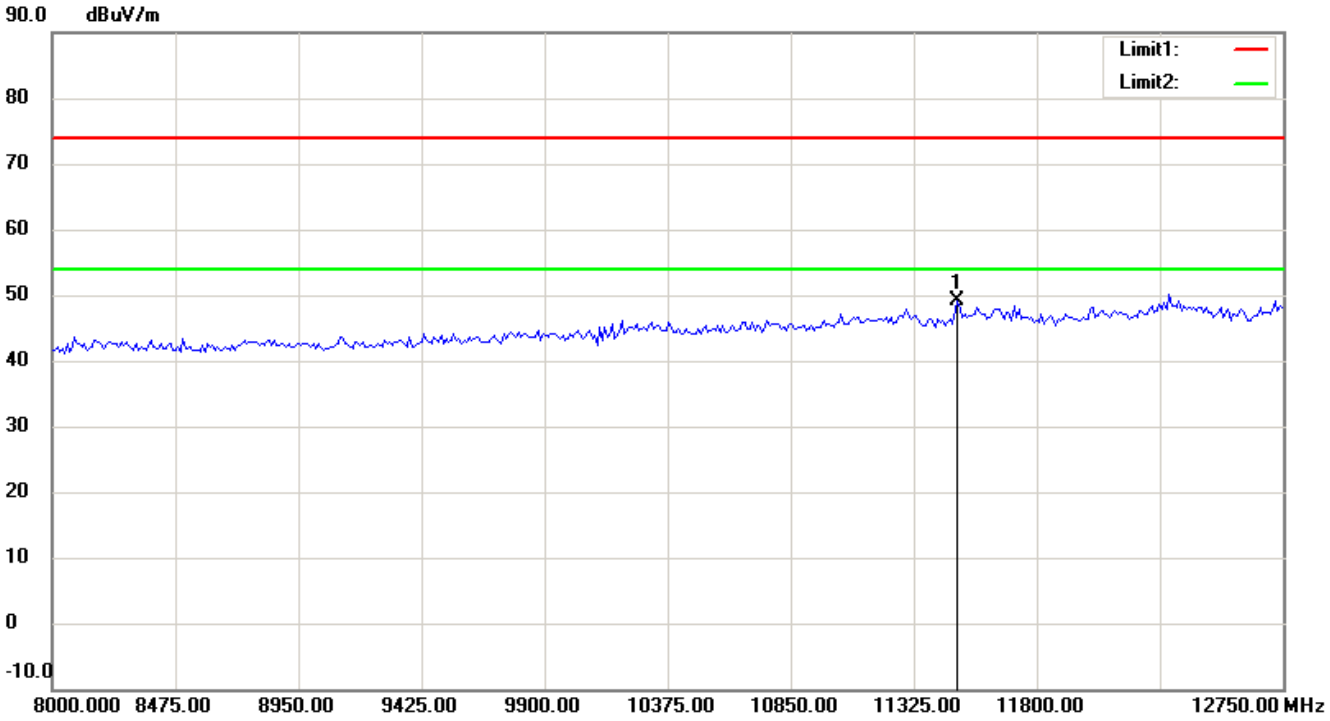
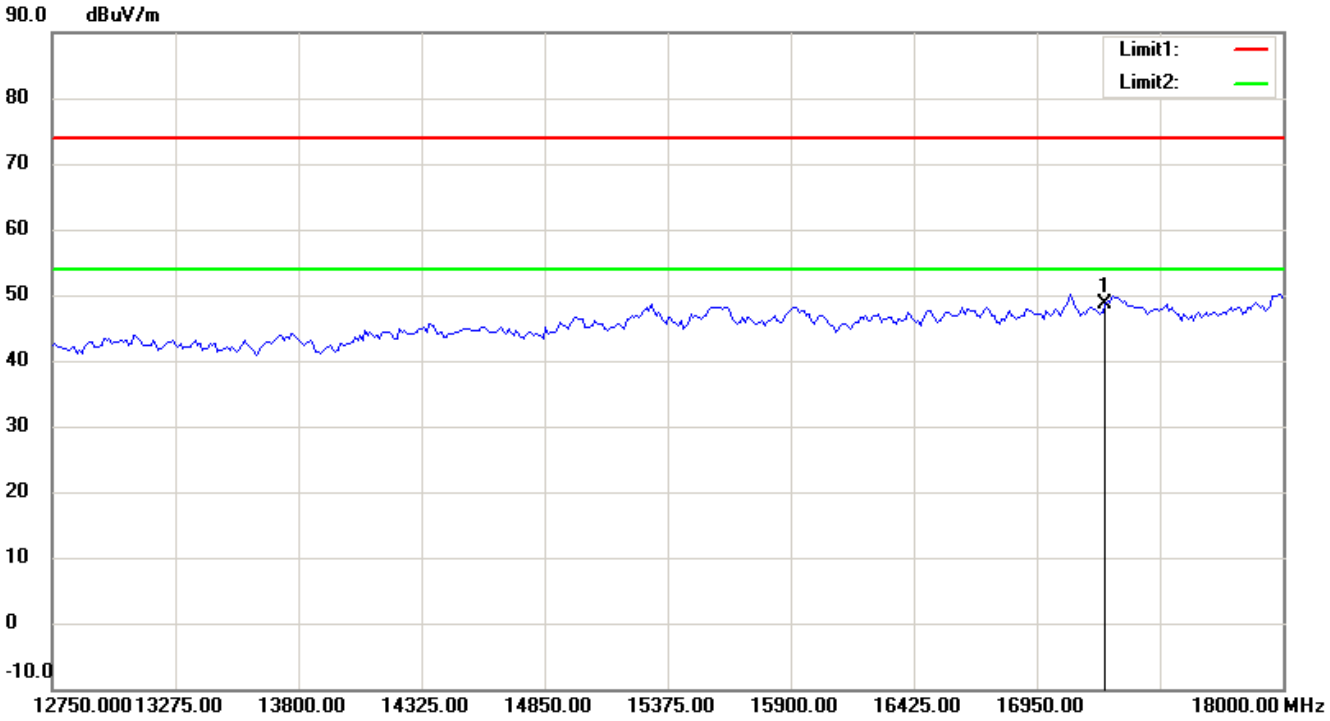
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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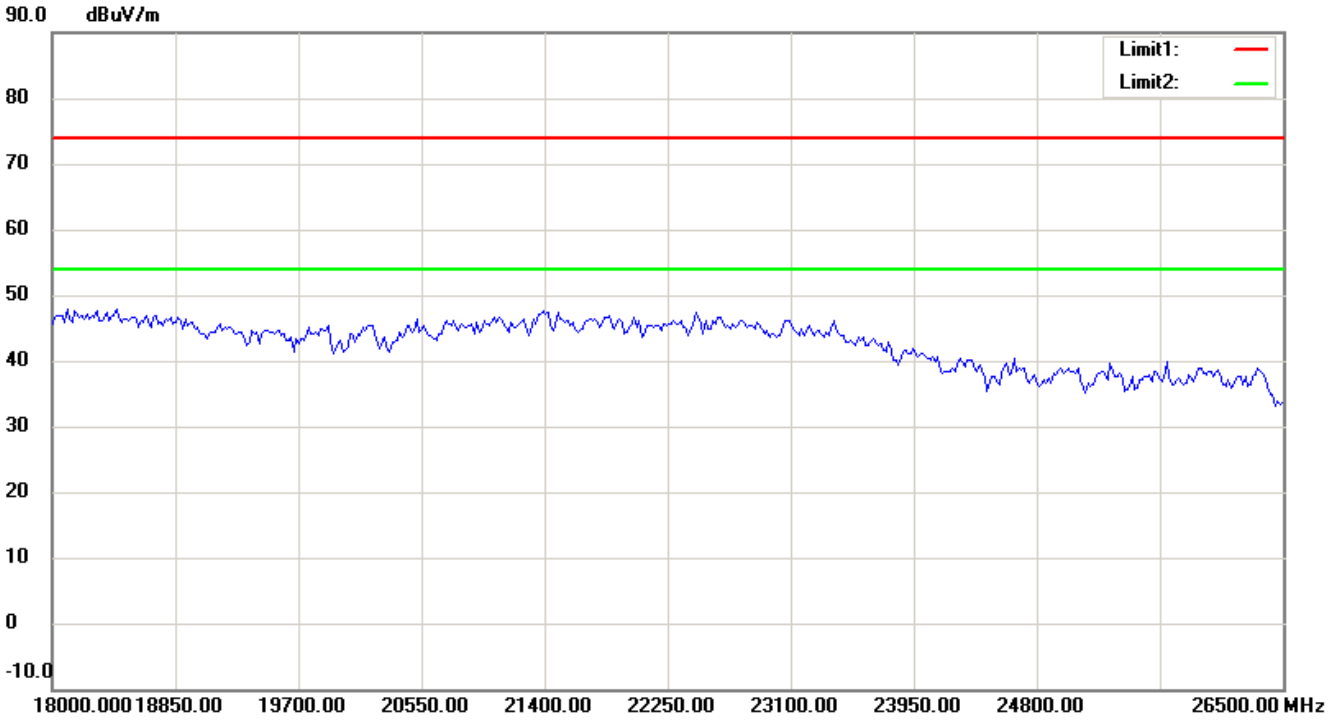
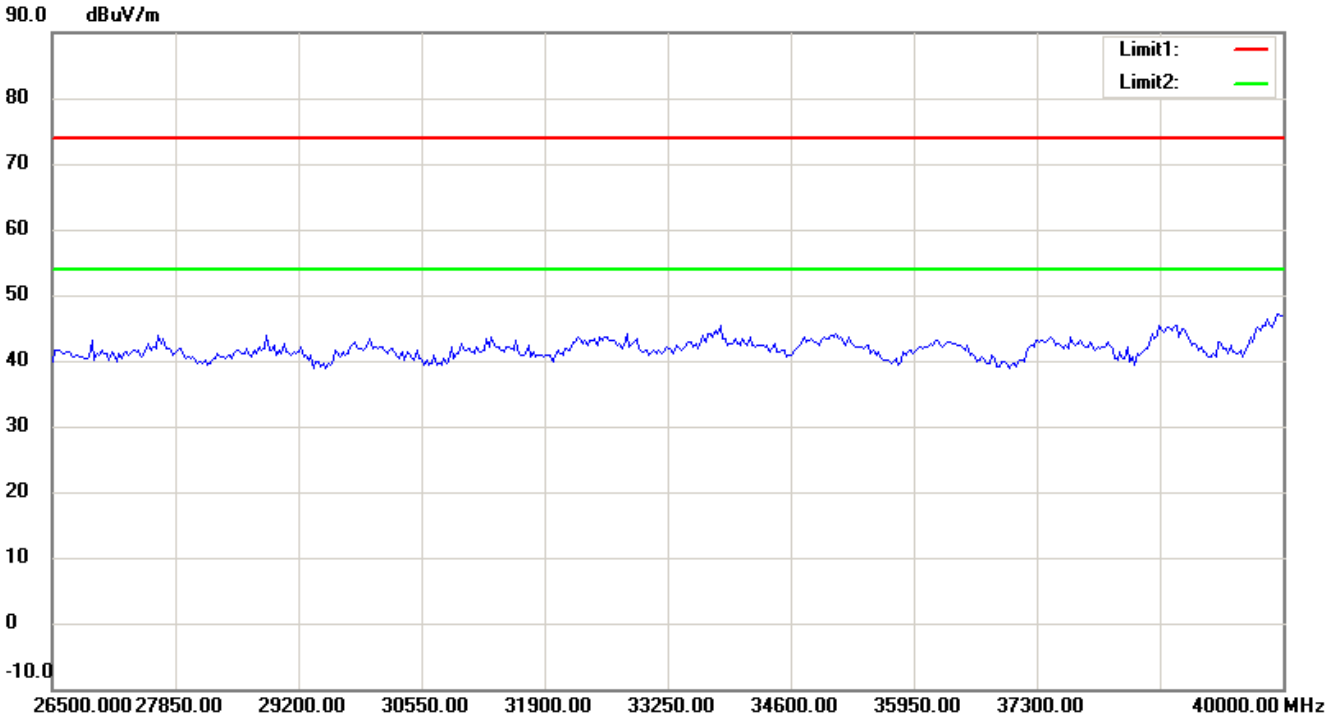
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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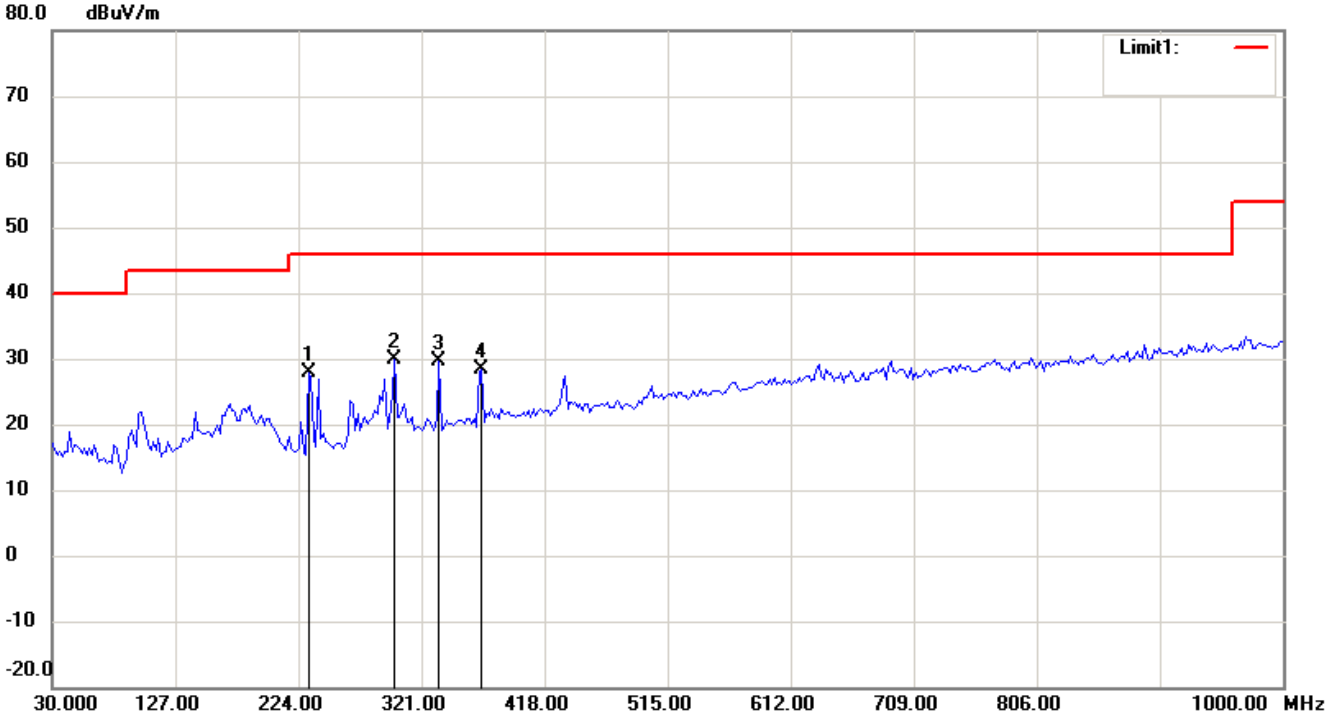
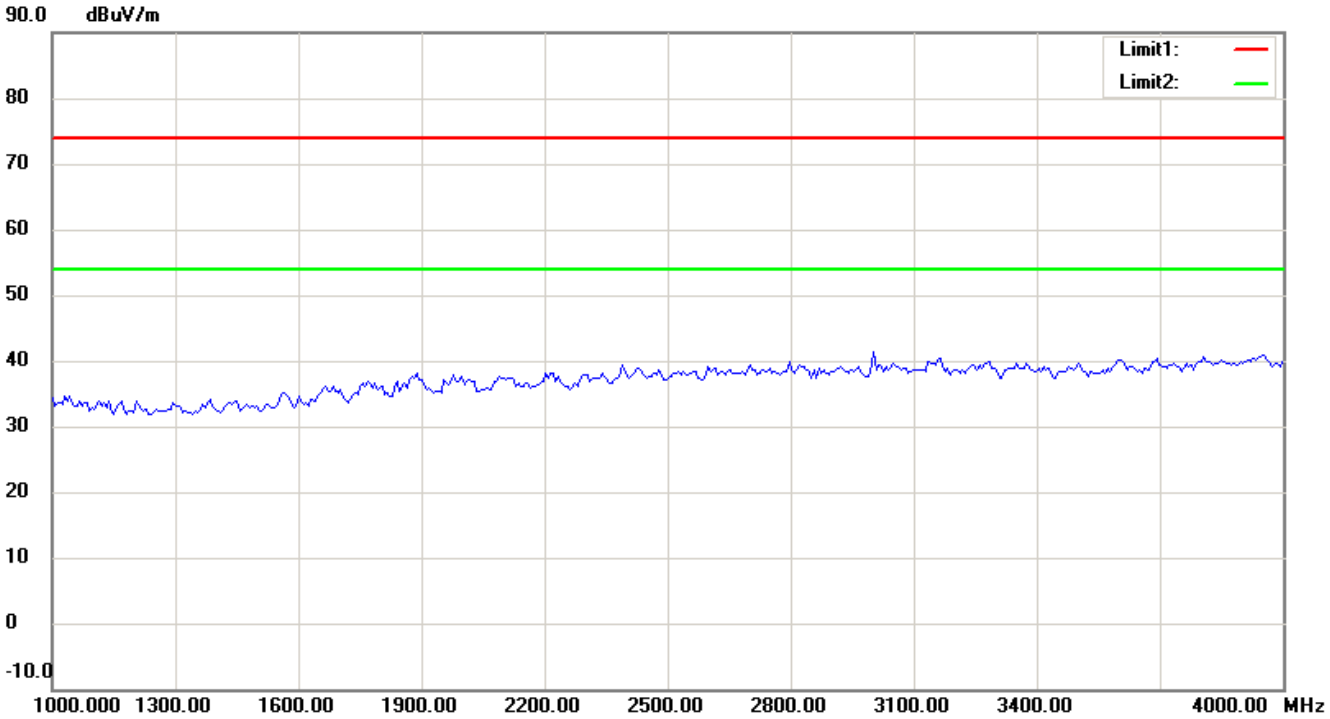
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11n 20MHz 5785MHz
Antenna Polarization H





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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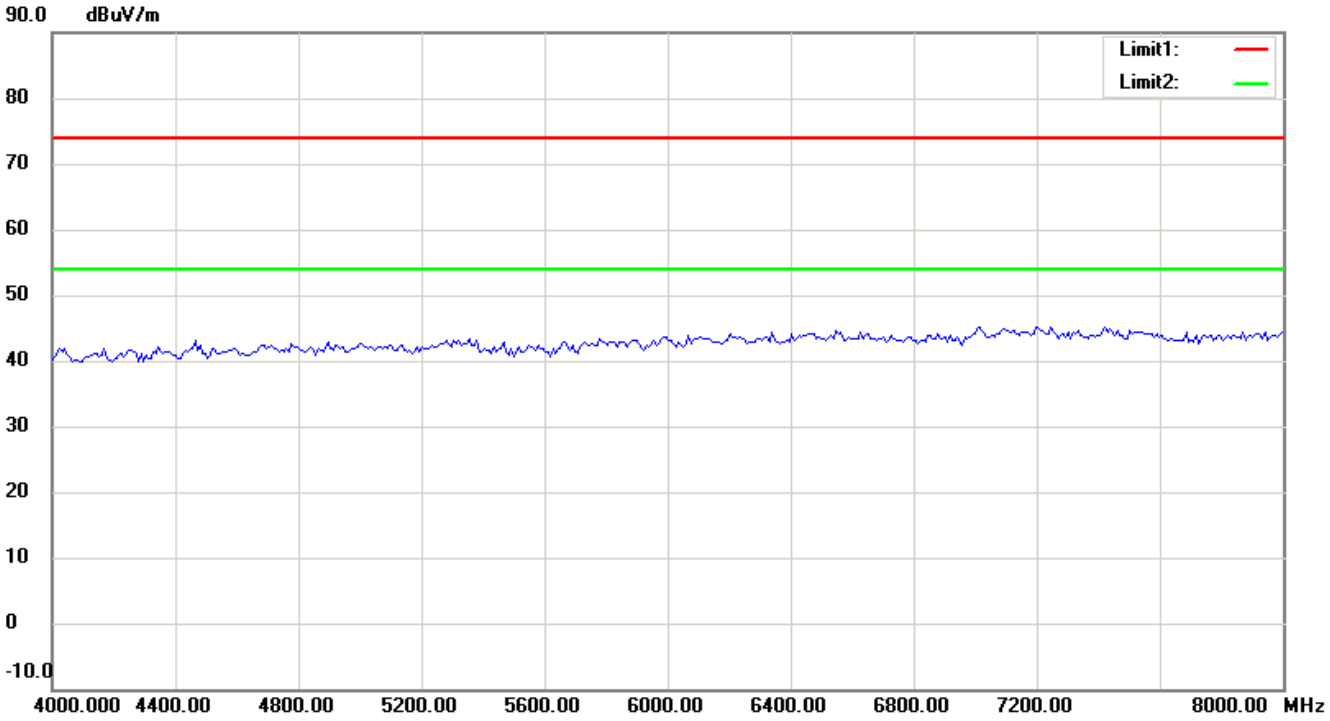
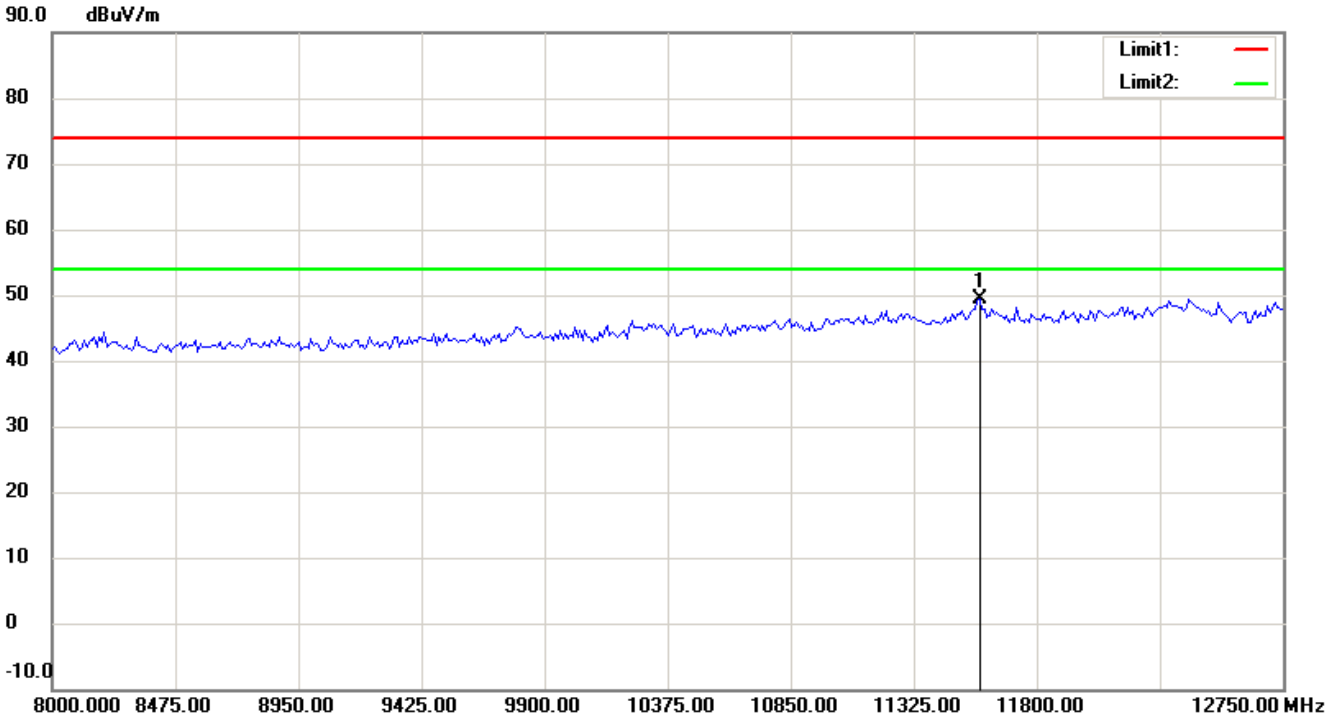
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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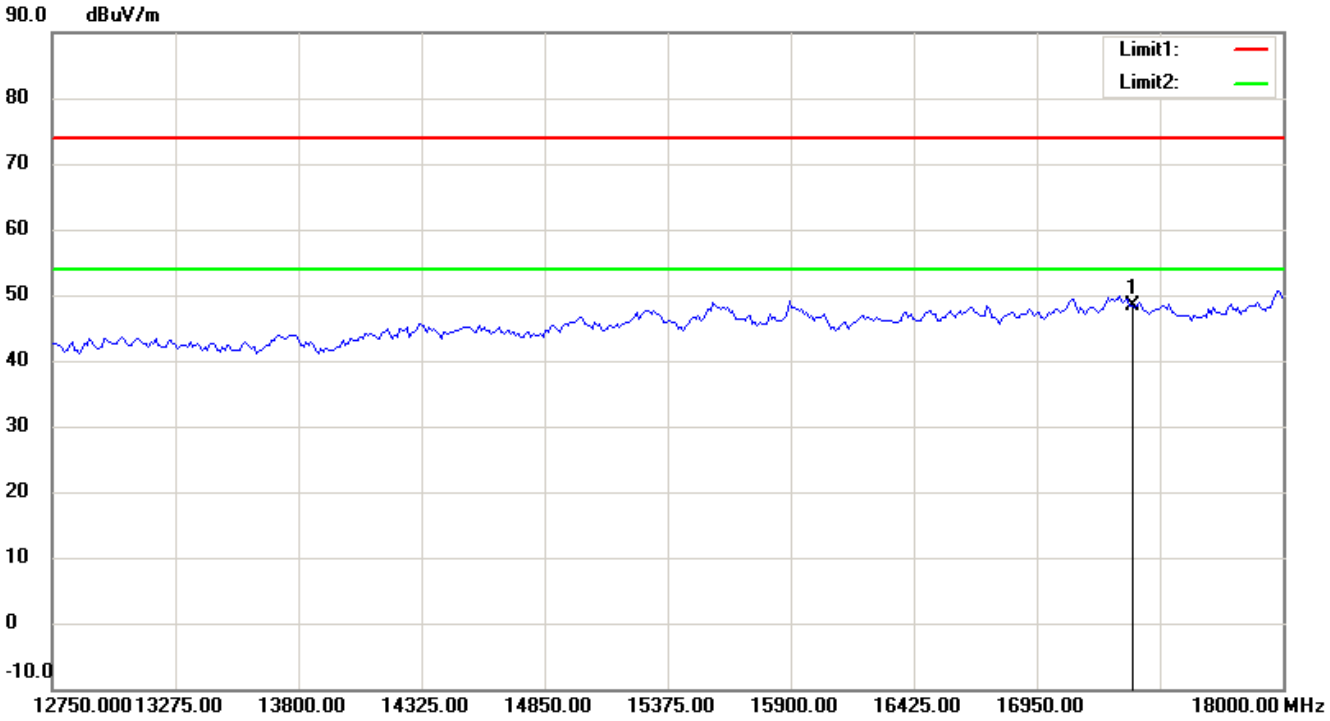
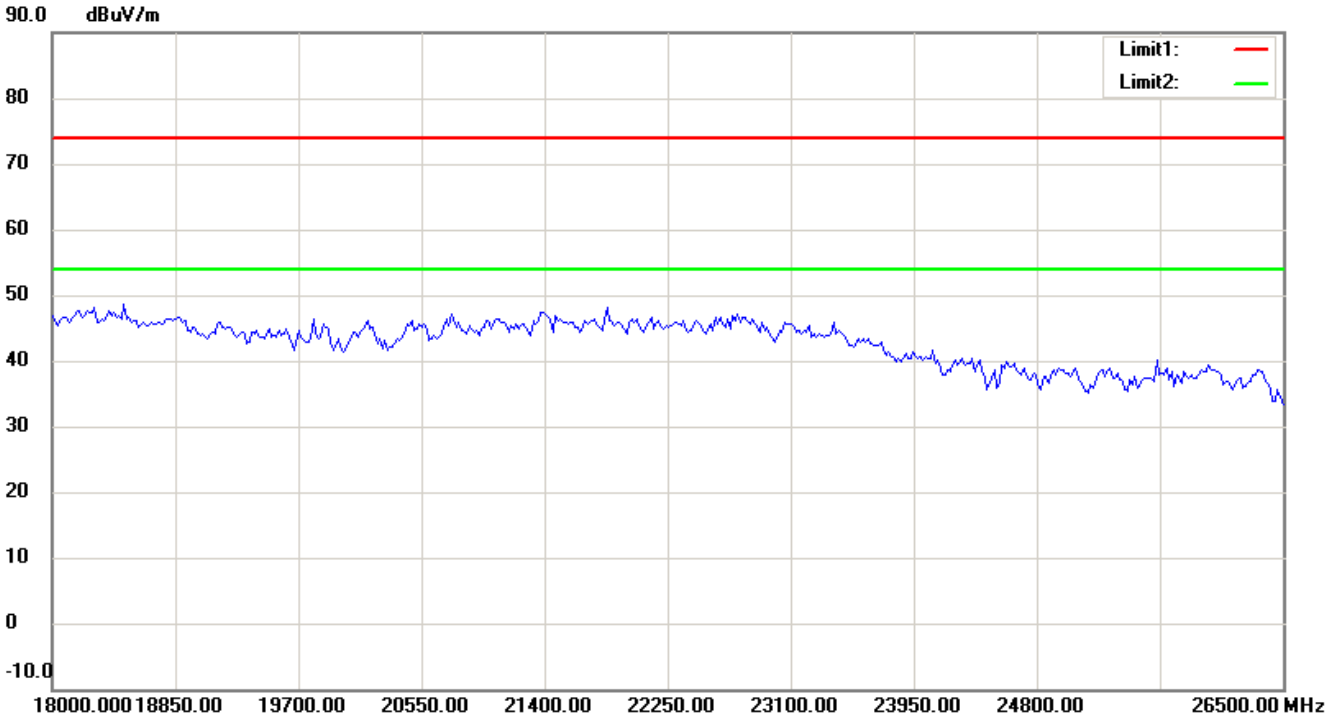
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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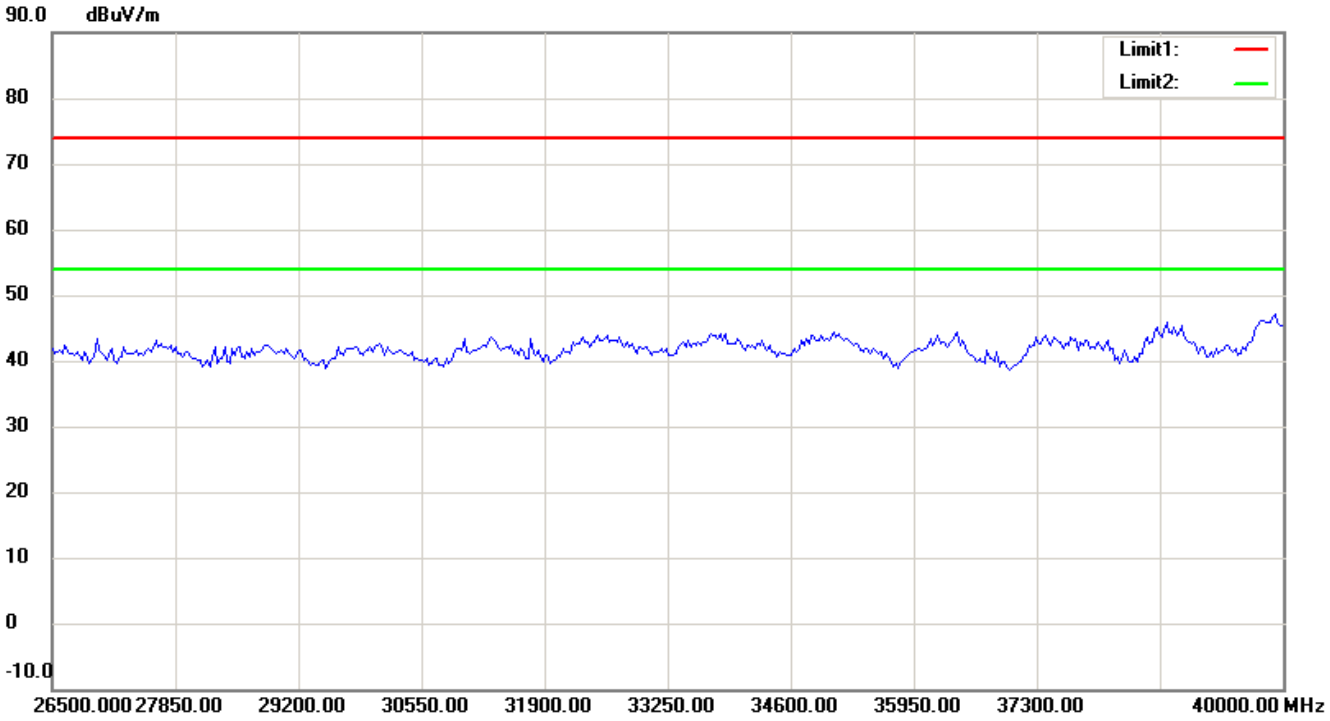
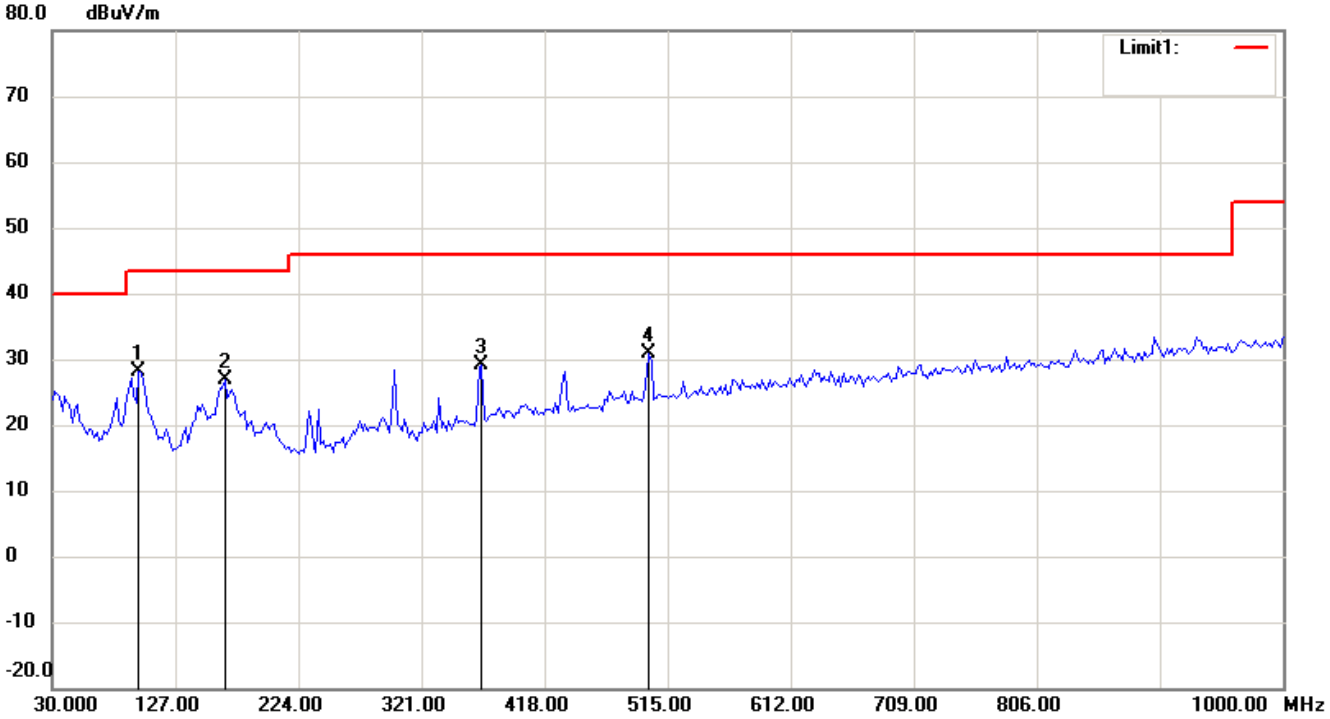
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



Antenna Polarization V



Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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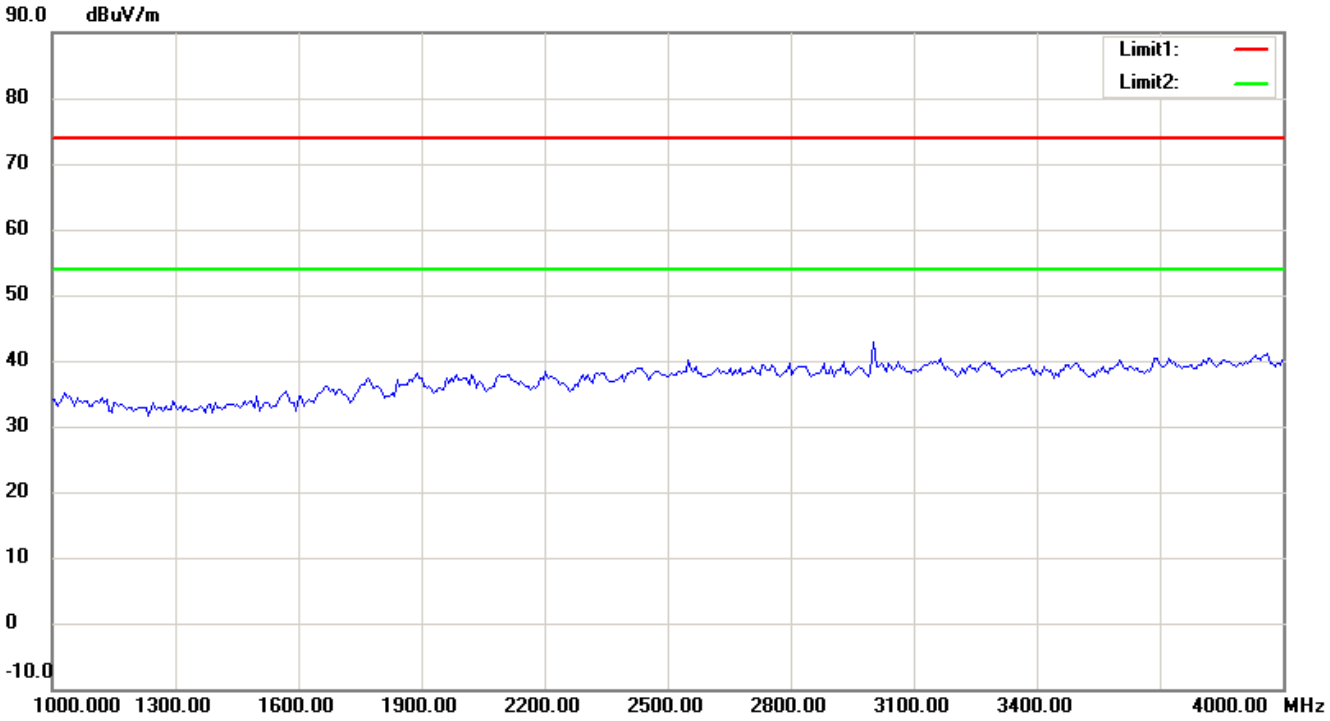
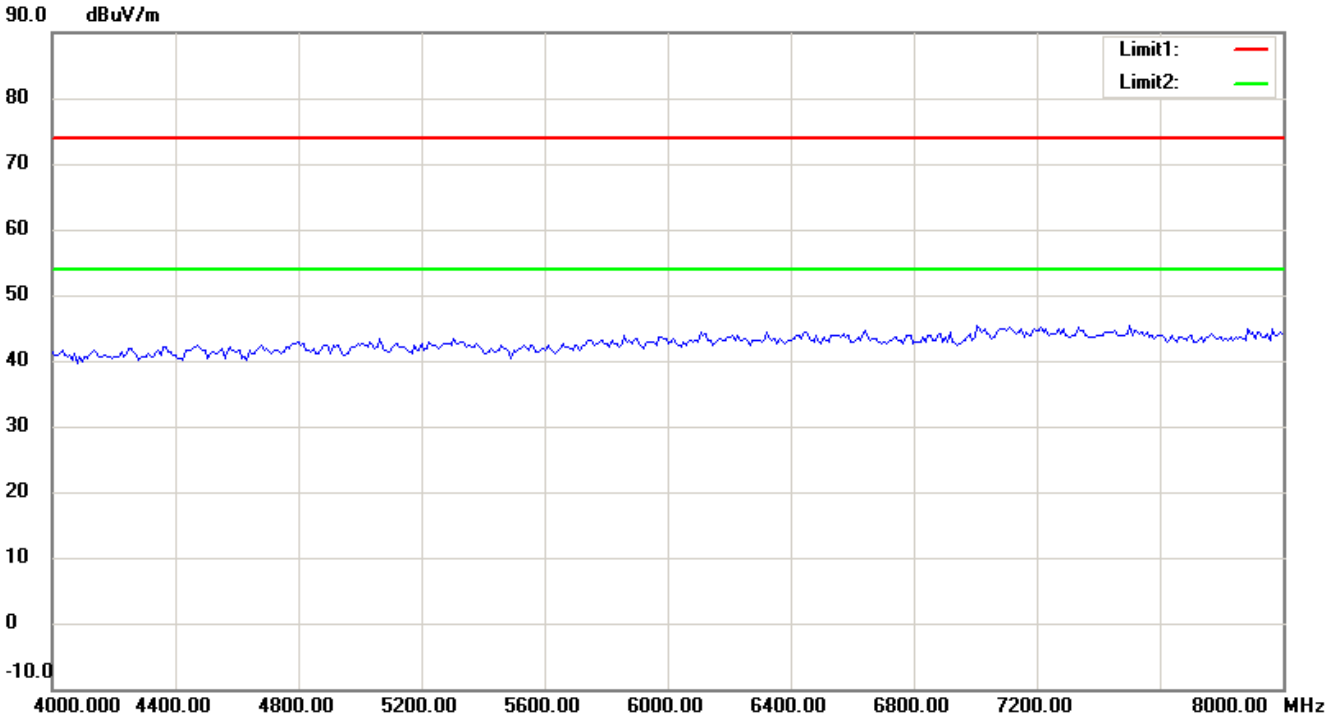
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

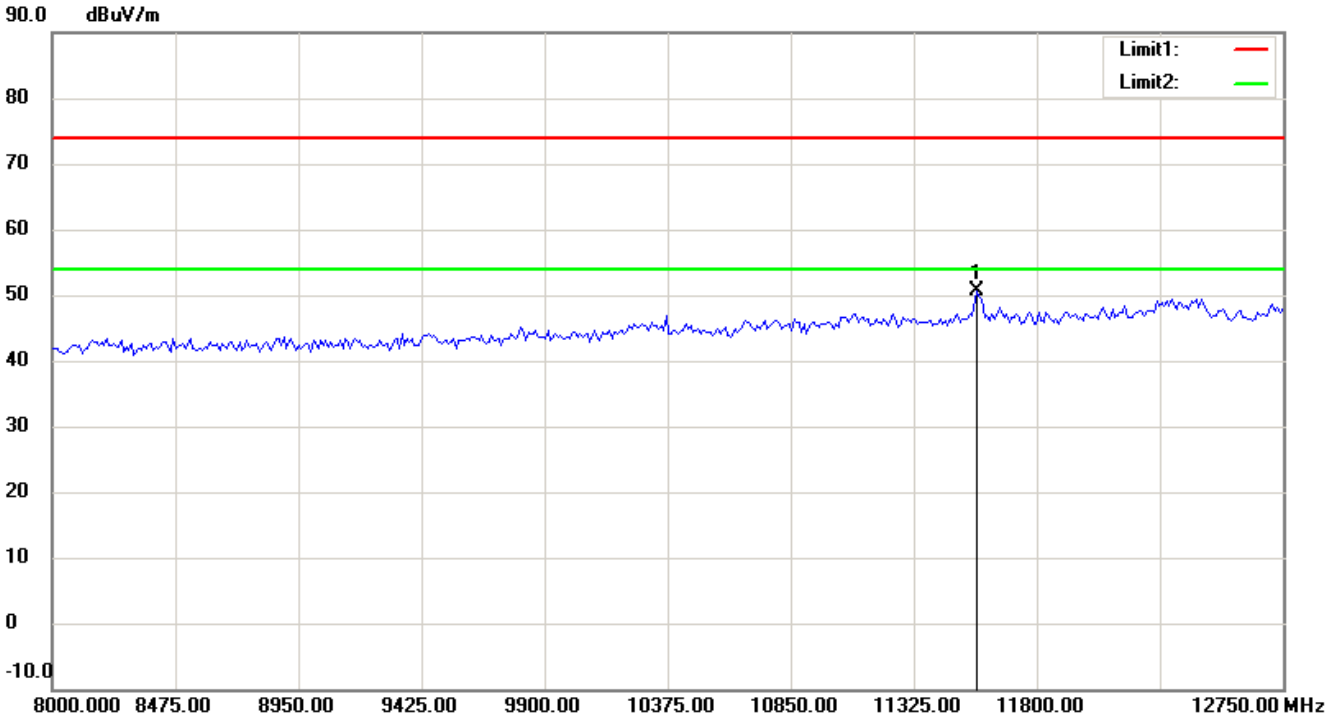


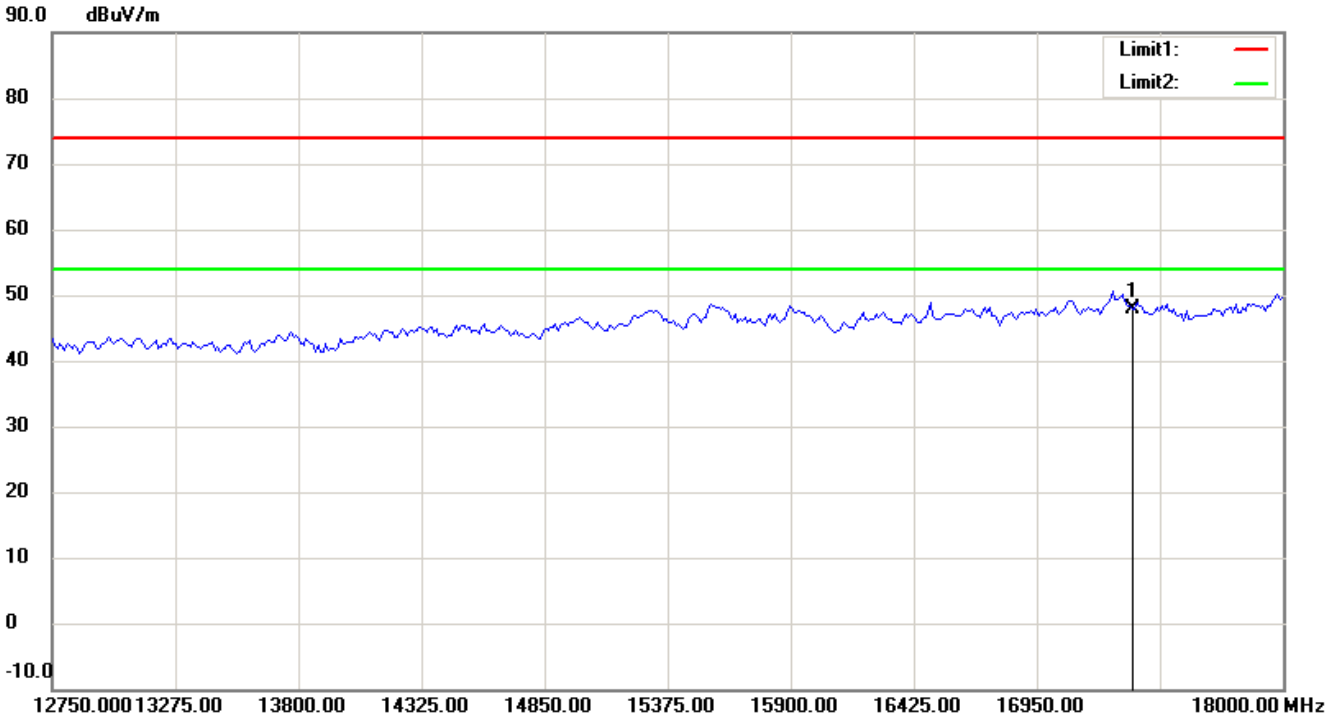


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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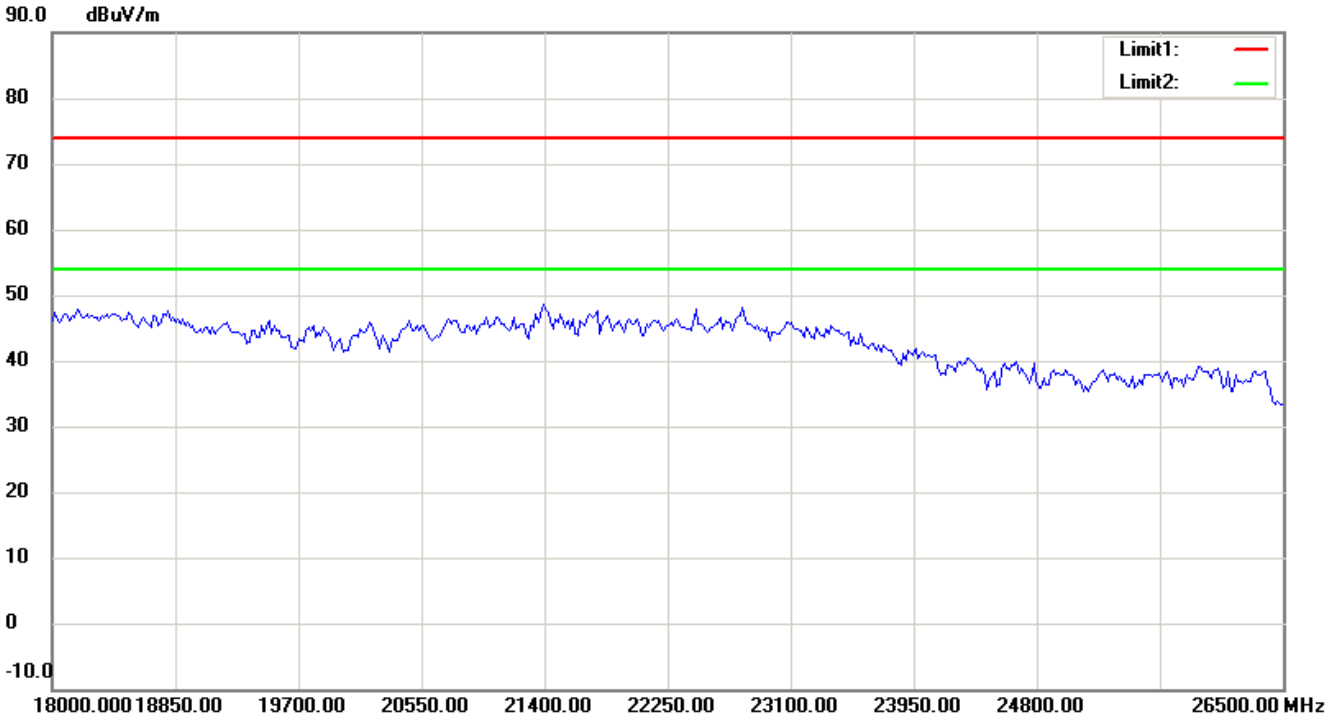
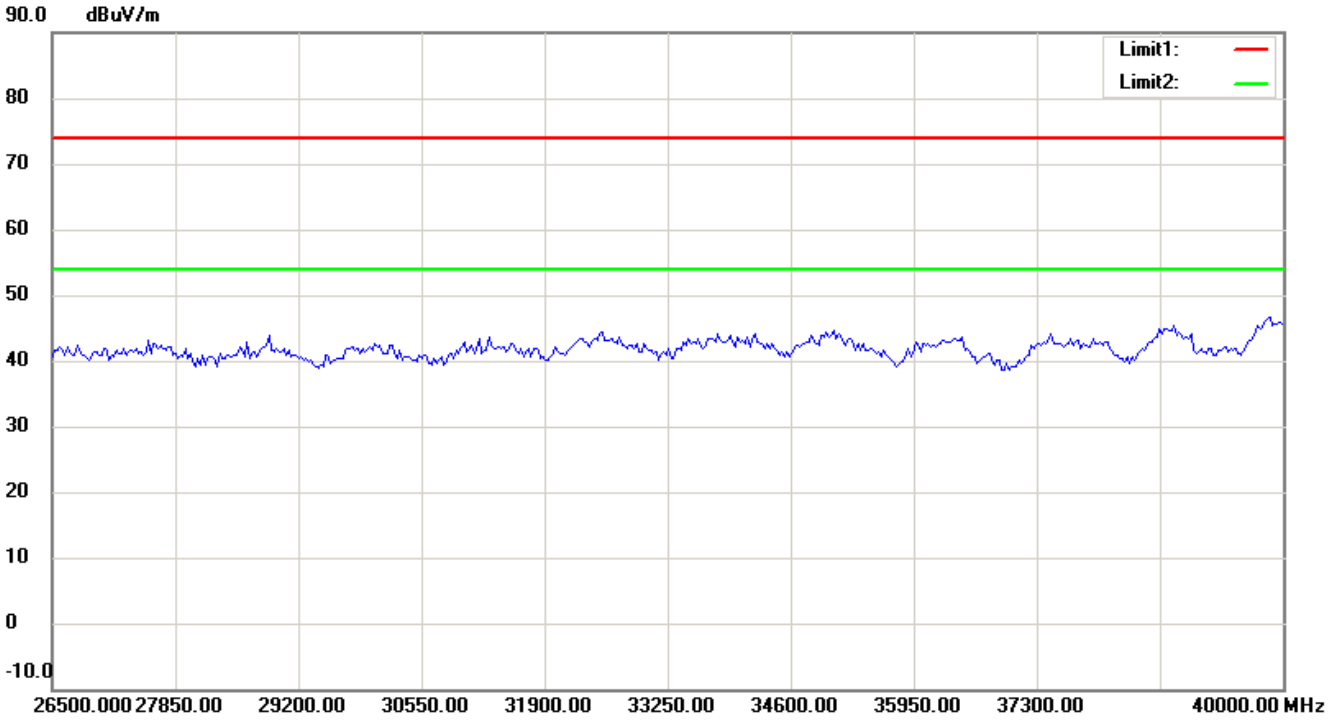
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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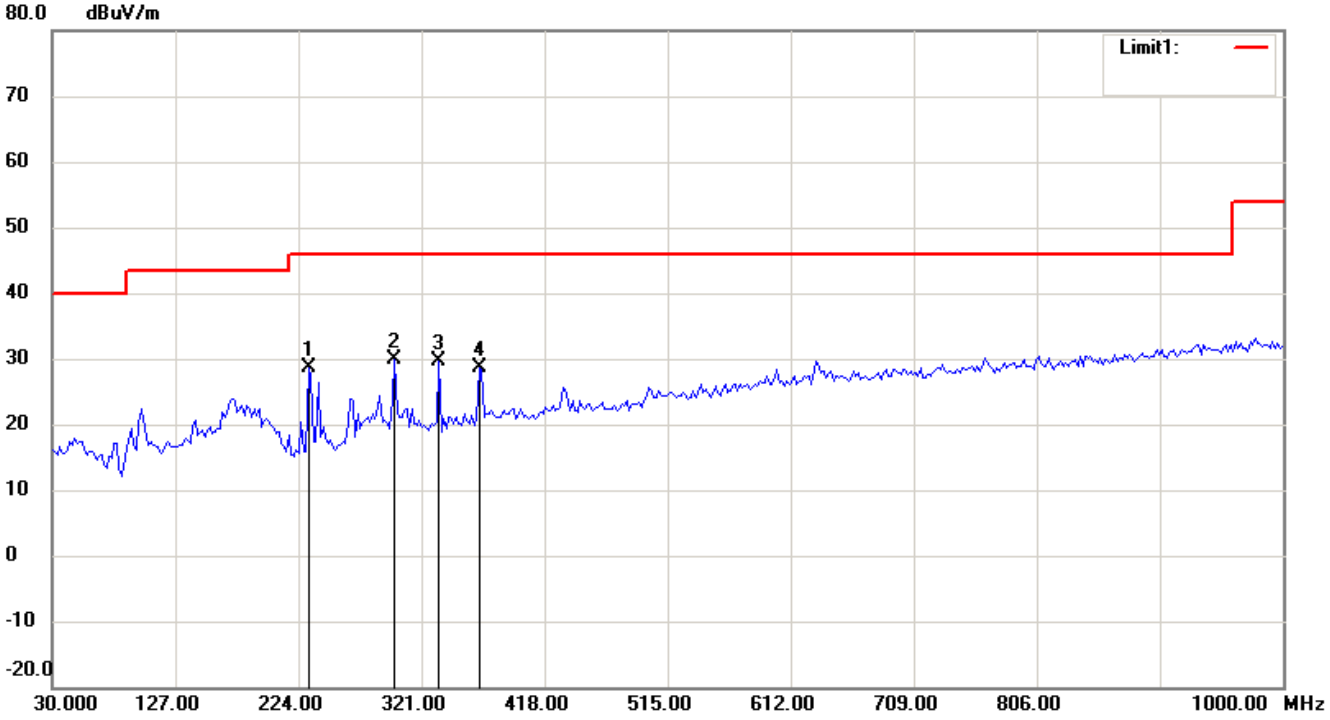
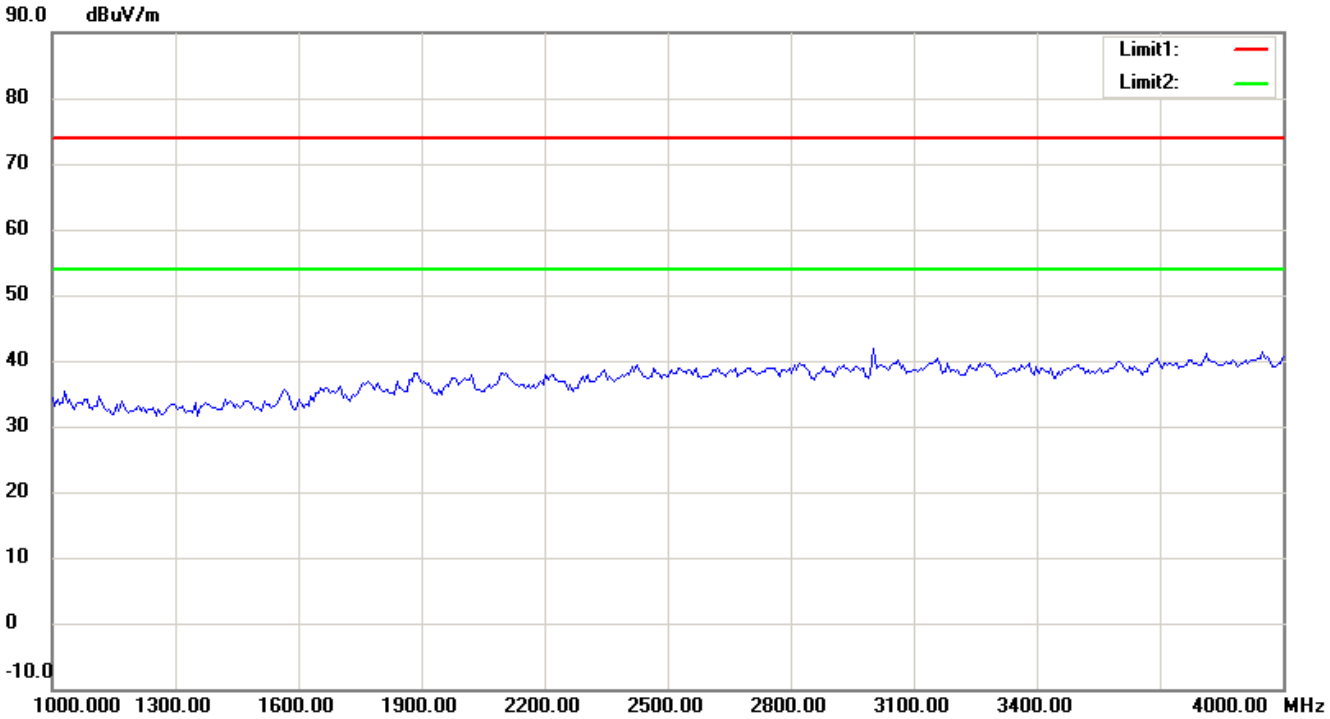
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11n 20MHz 5825MHz
Antenna Polarization H

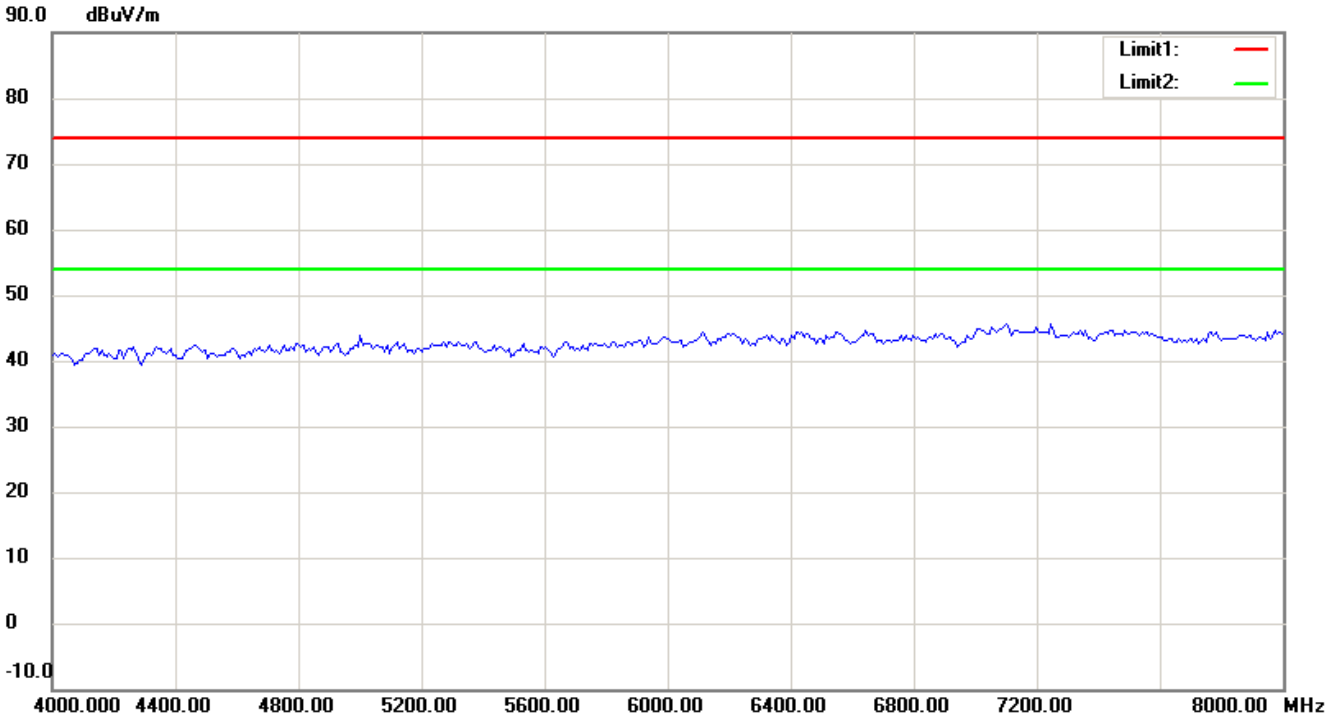


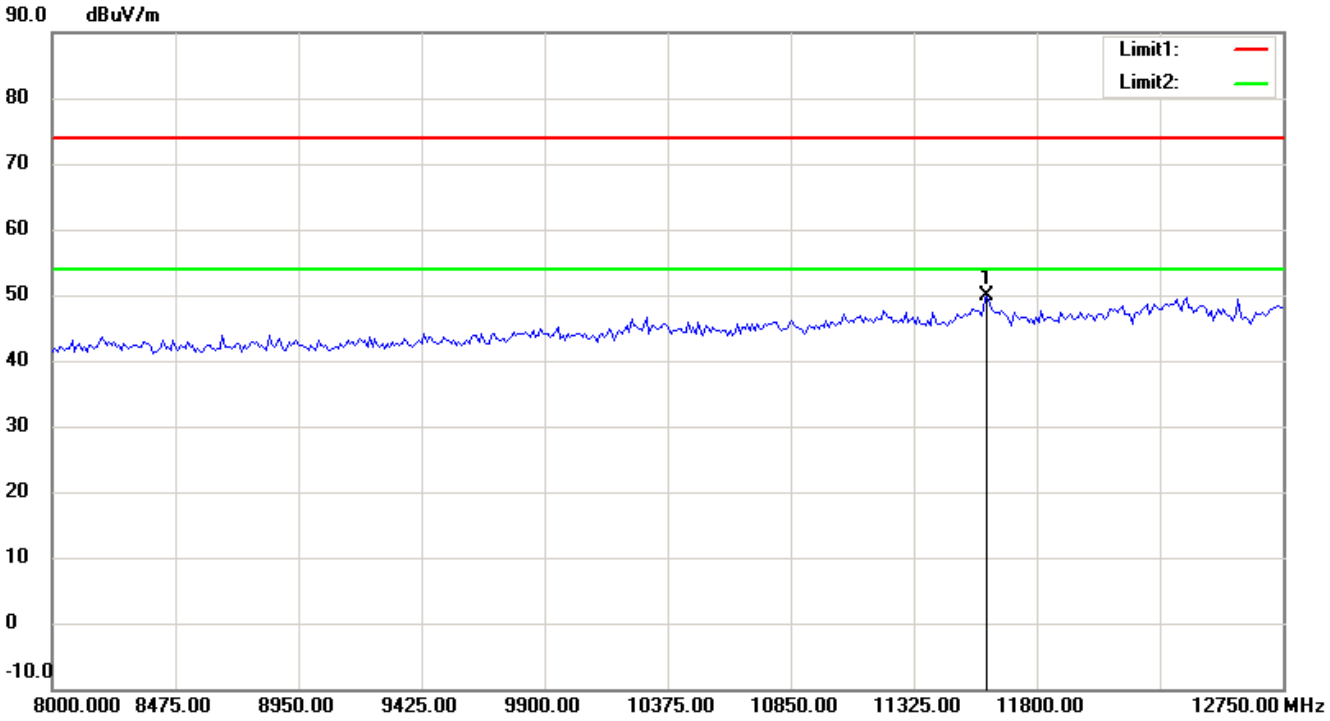


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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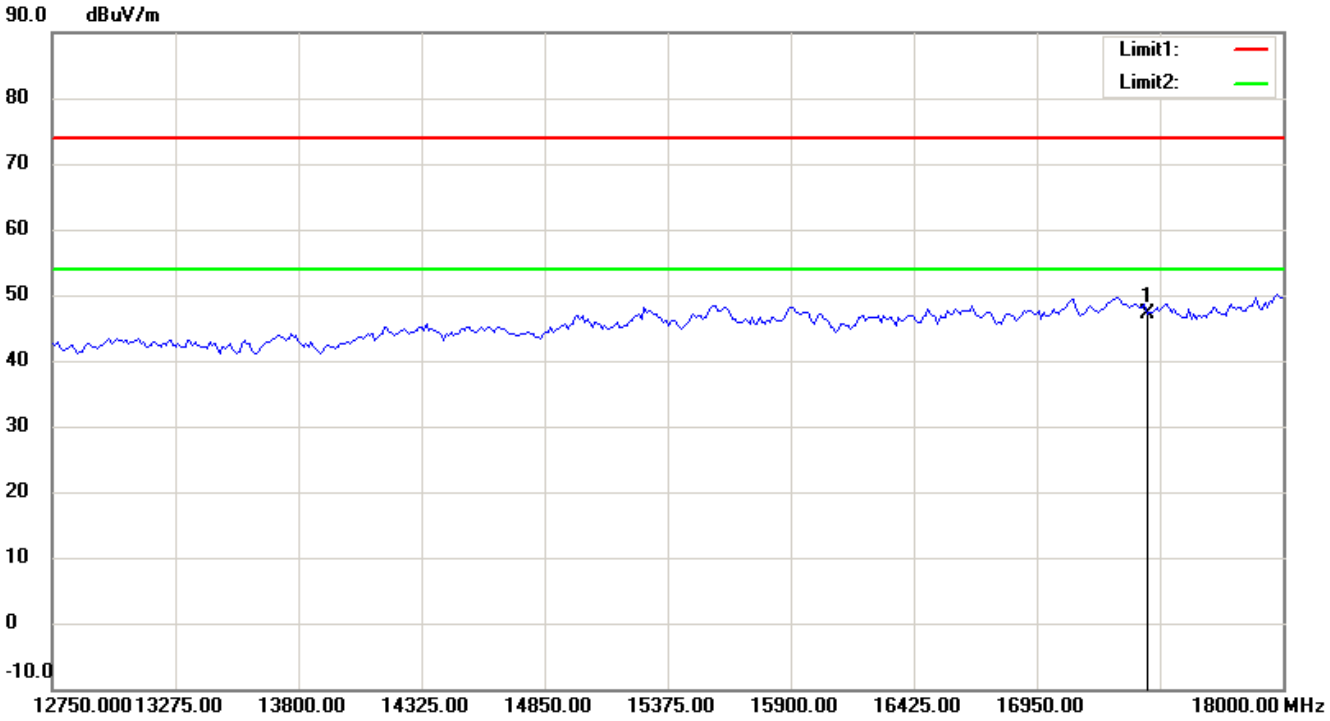
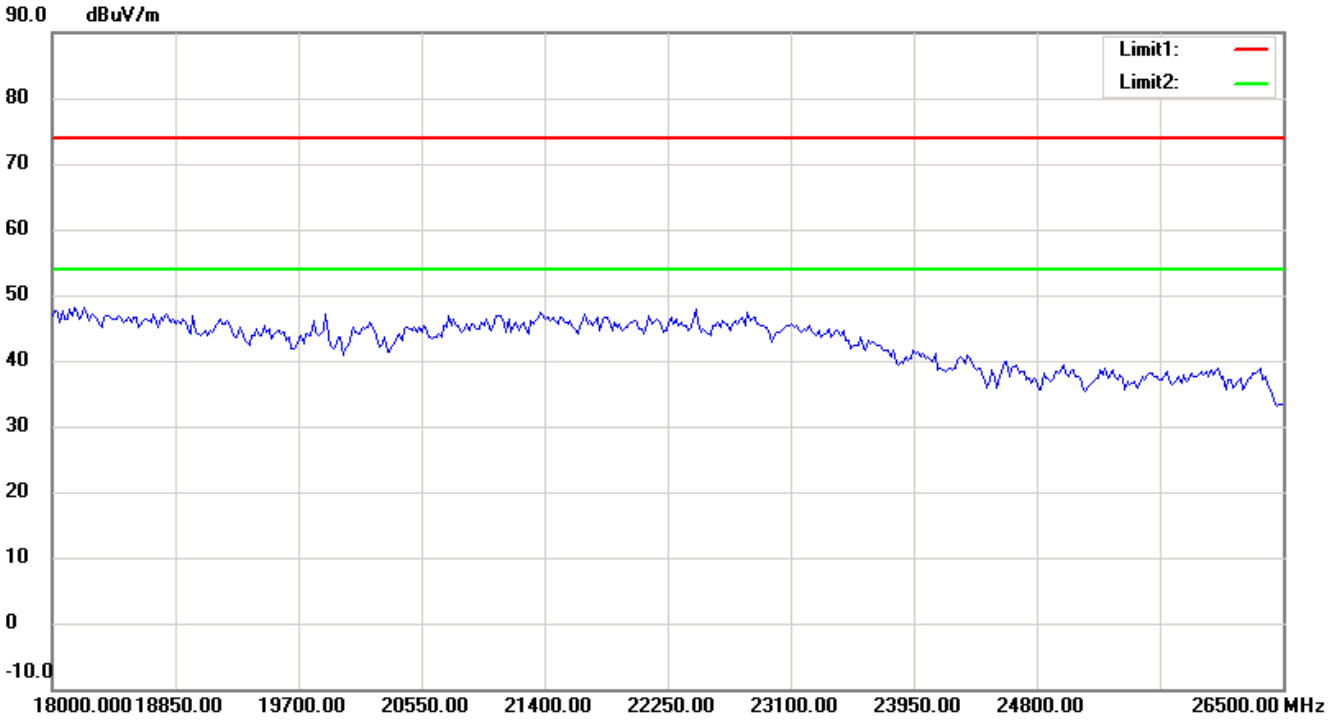
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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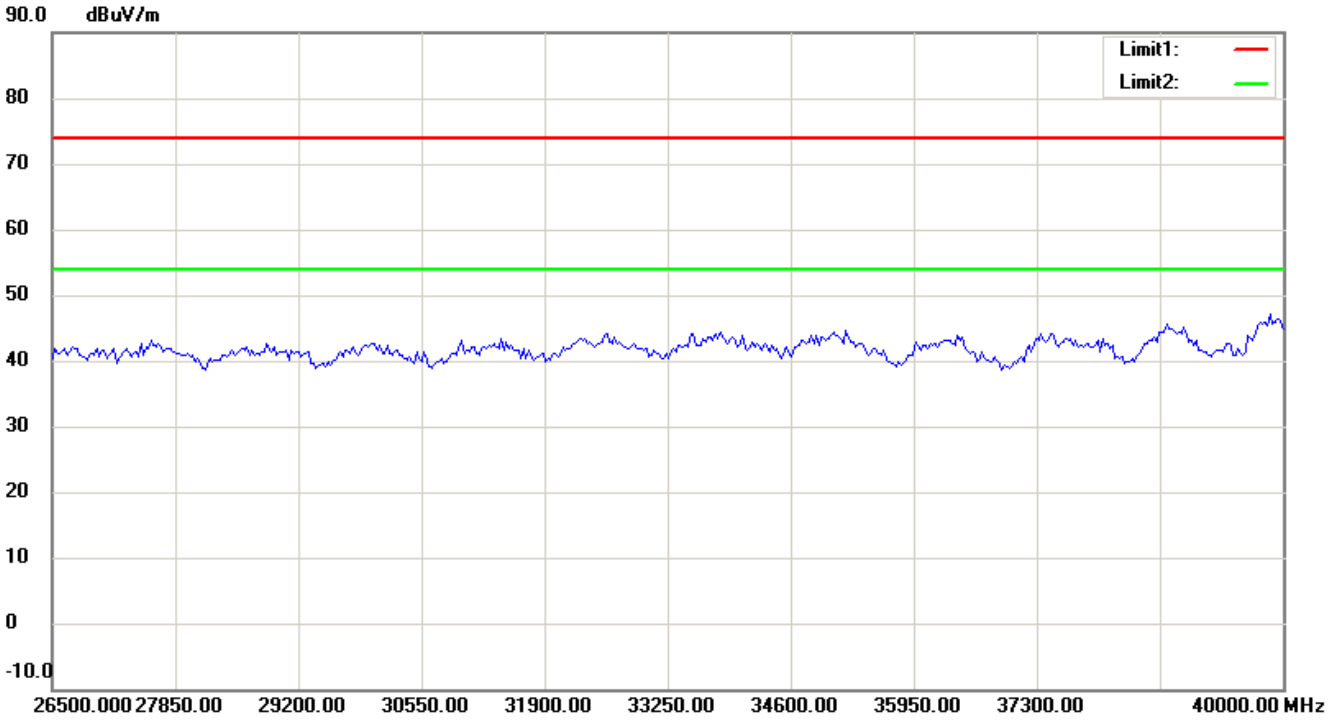
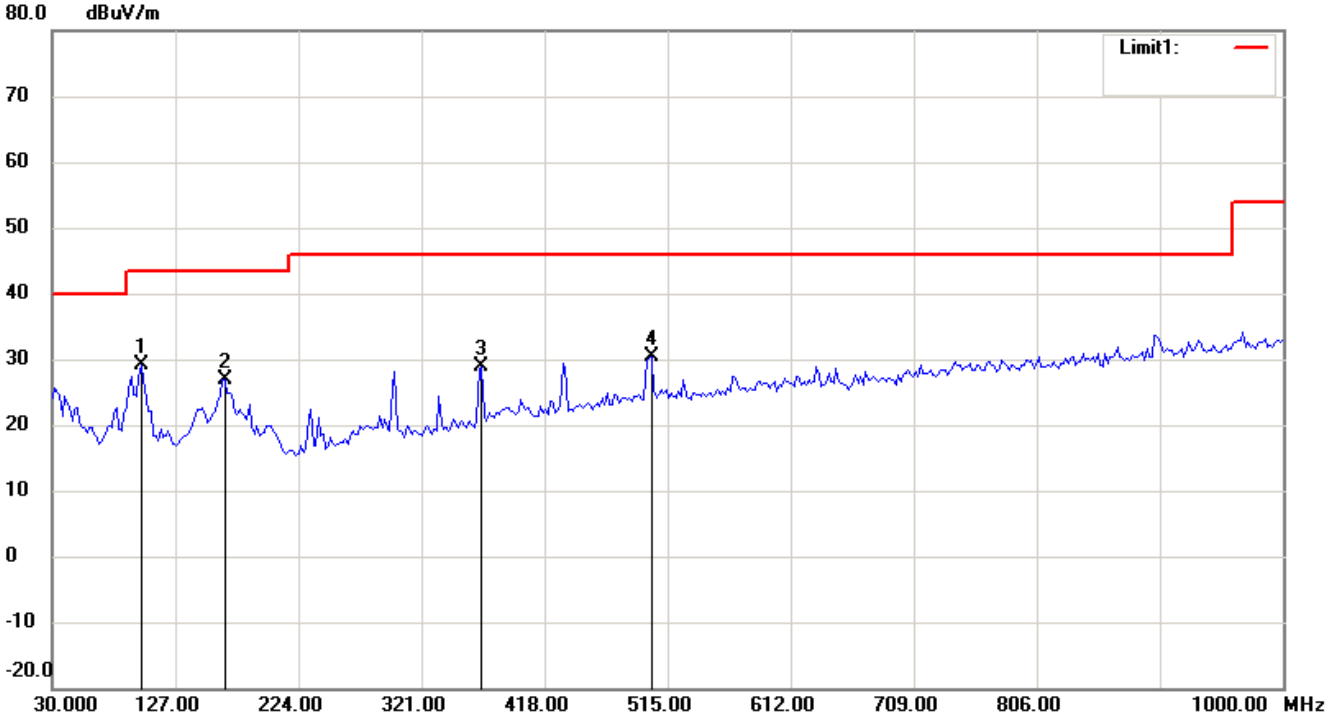
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



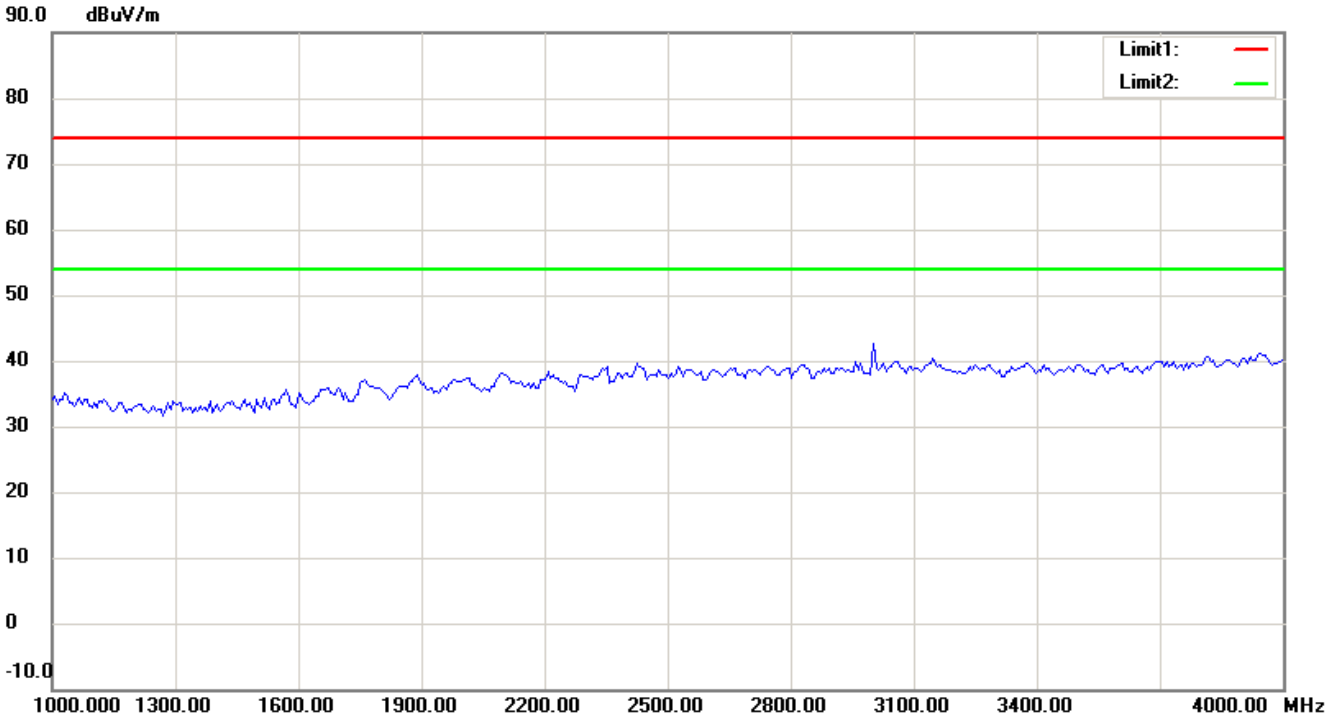
Antenna Polarization V

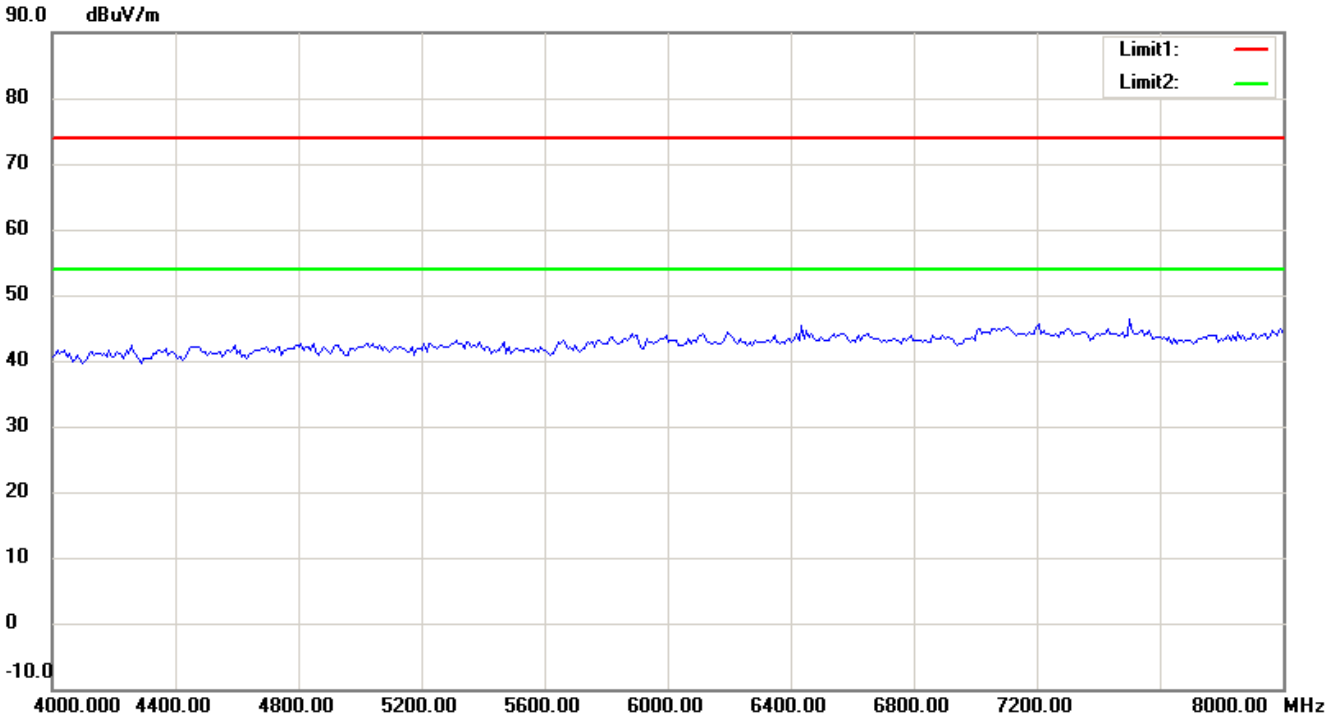


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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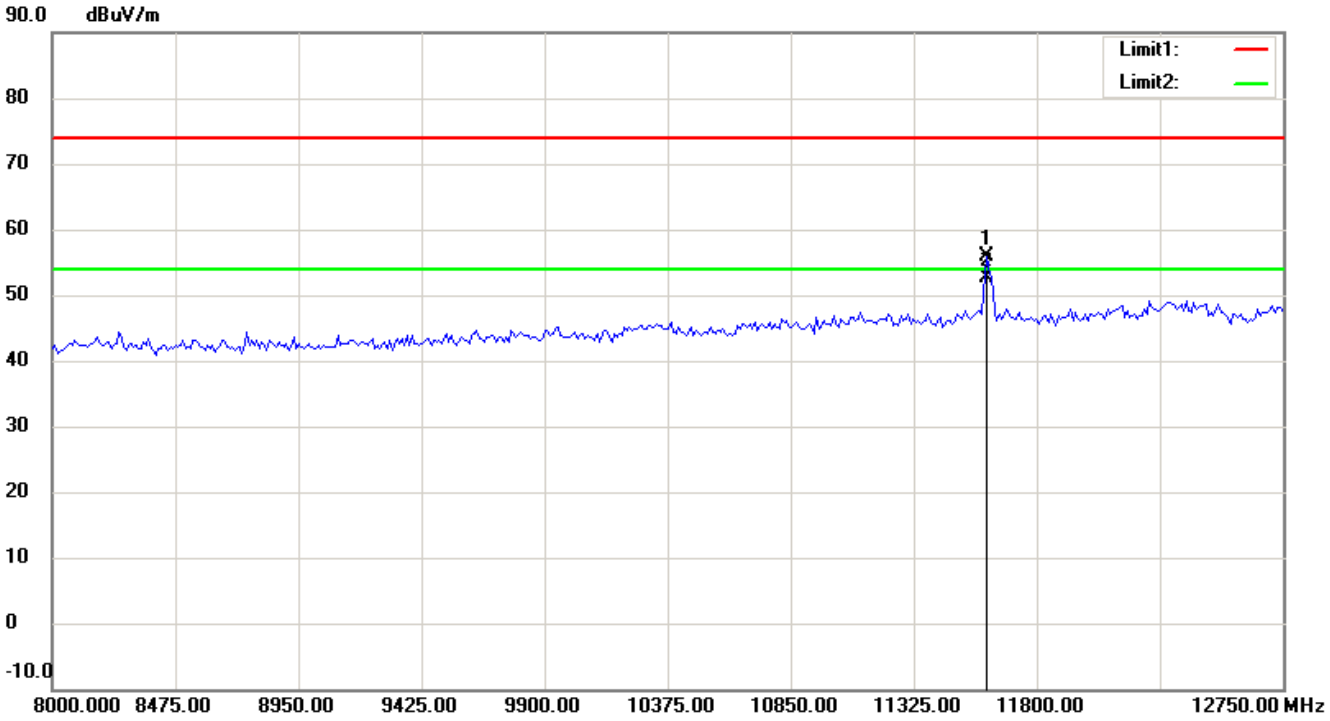
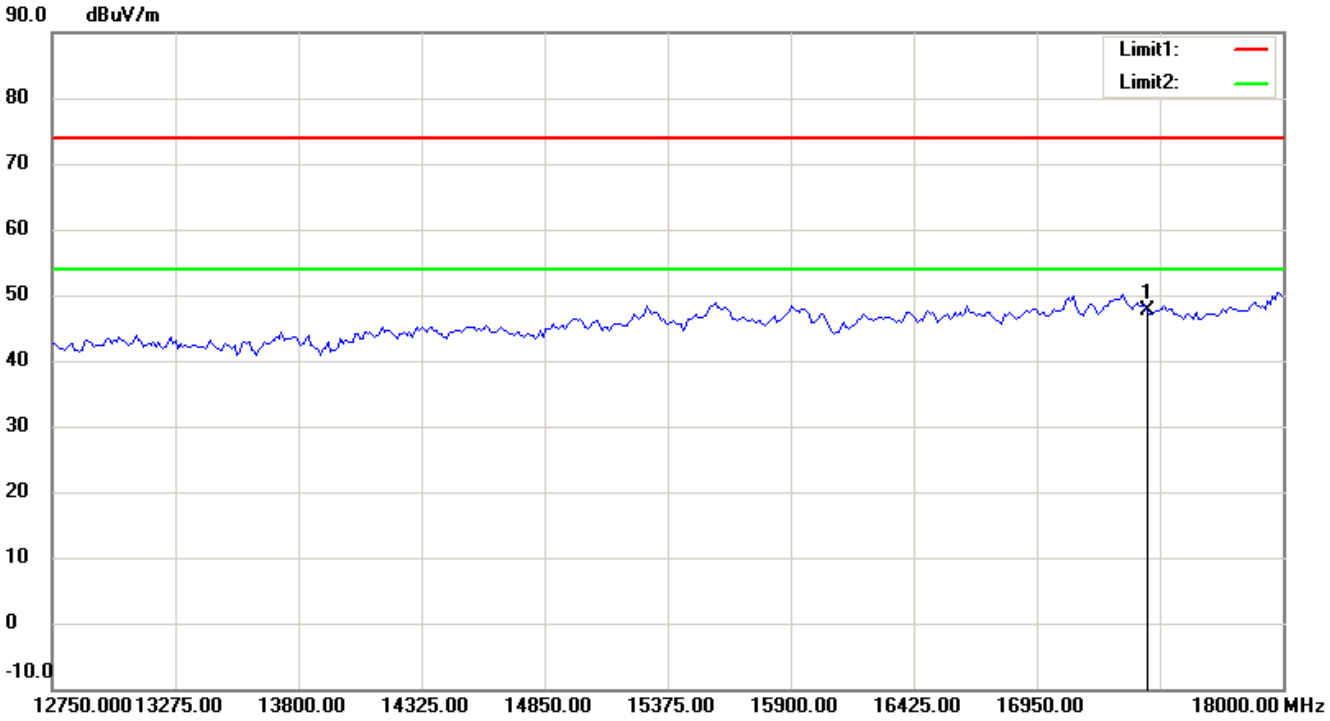
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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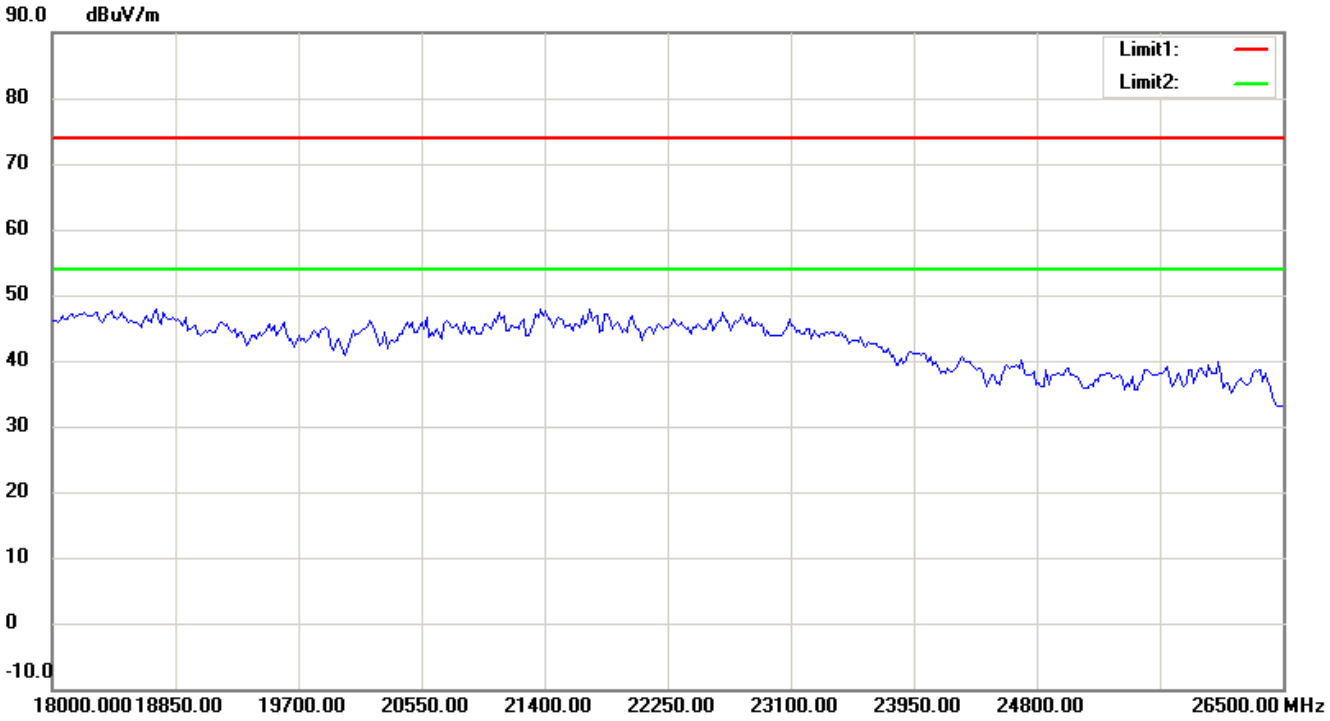
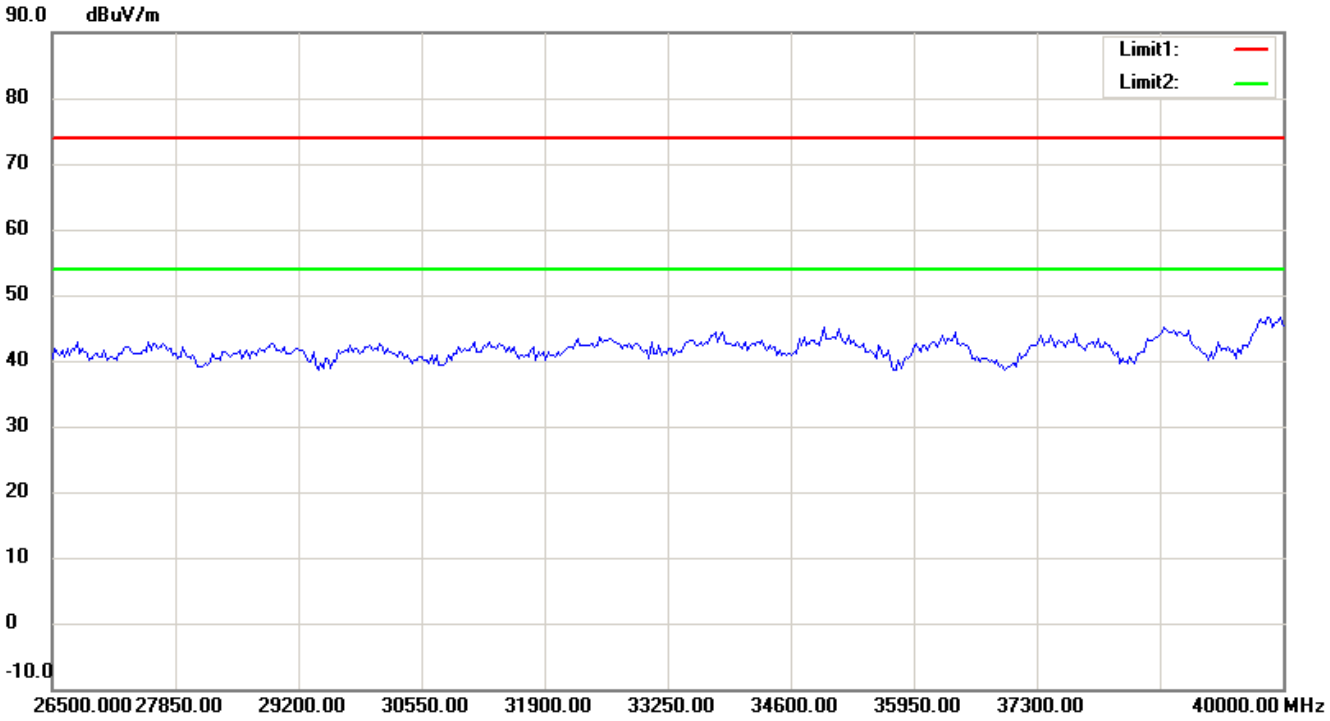
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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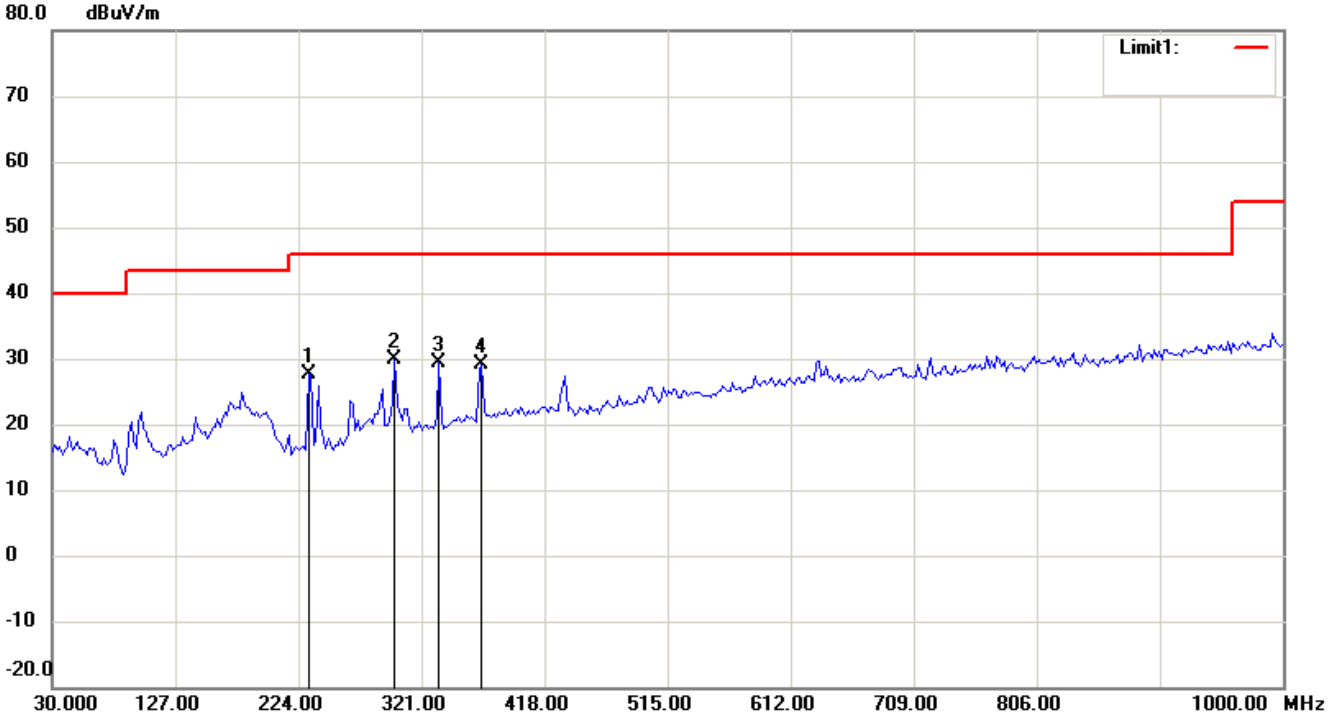
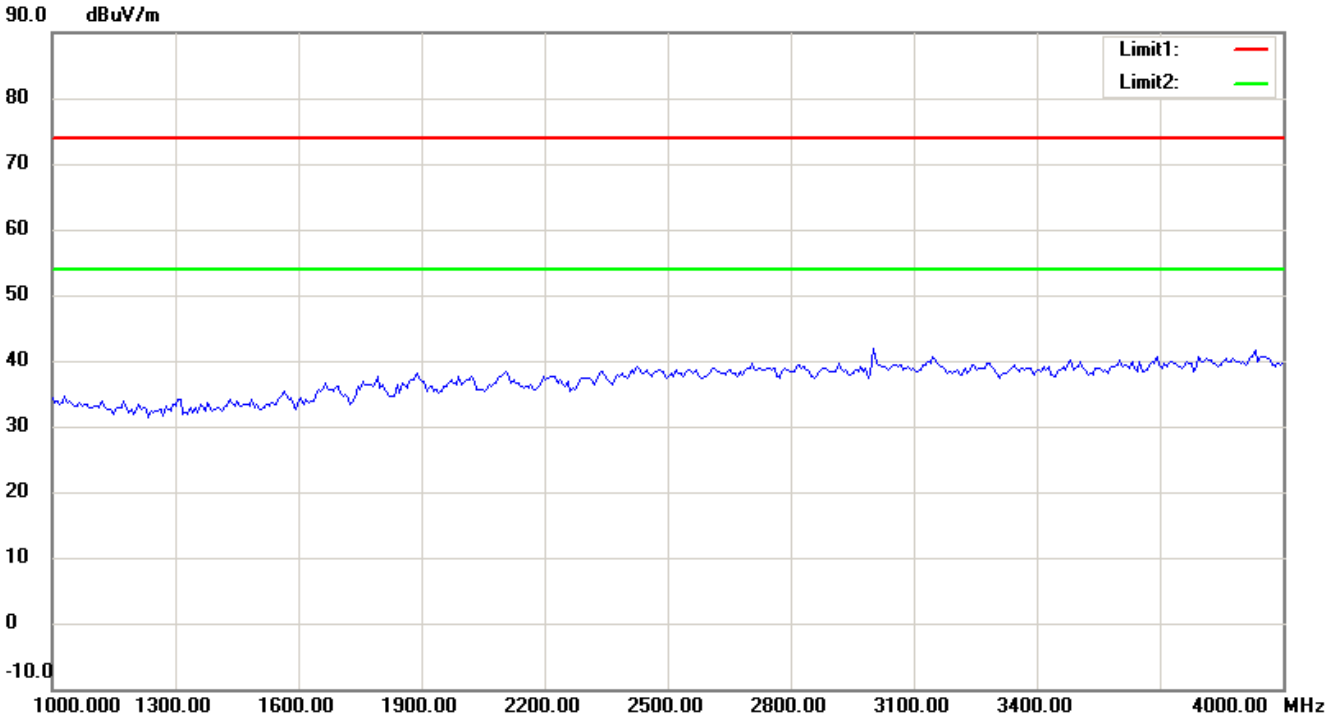
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11n 40MHz 5755MHz
Antenna Polarization H





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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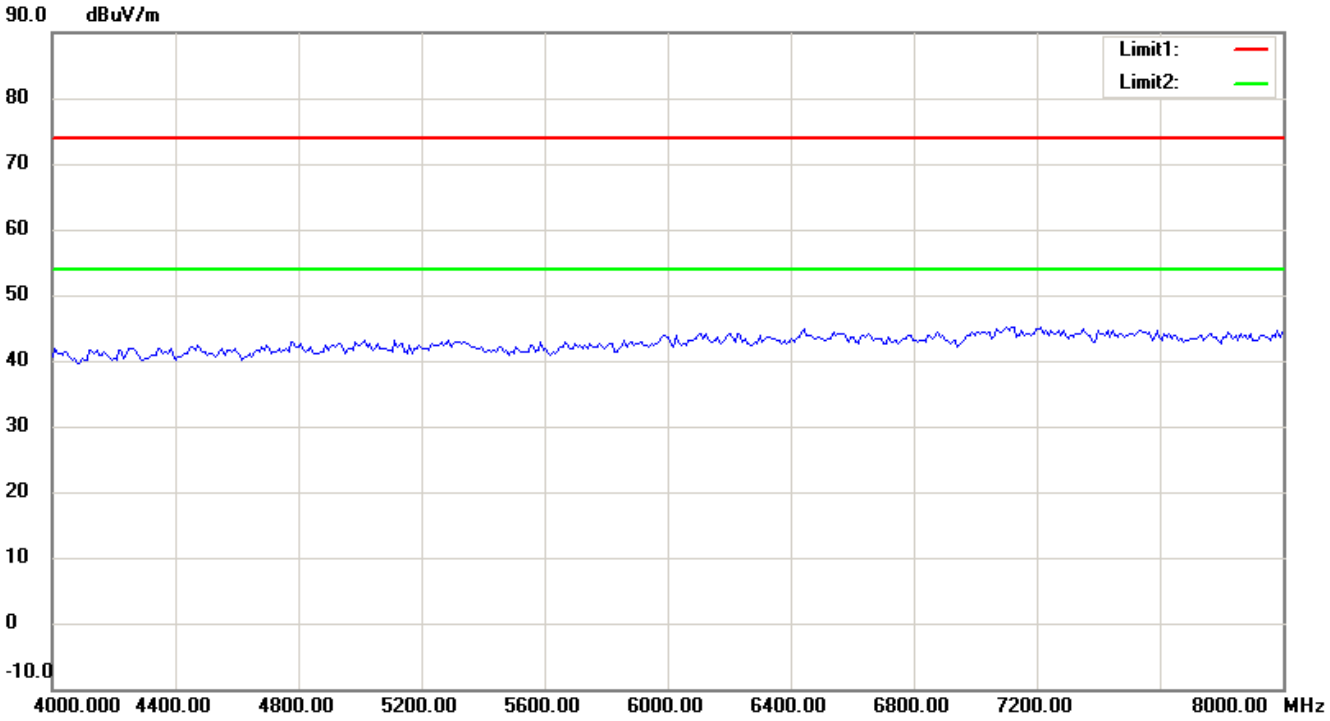
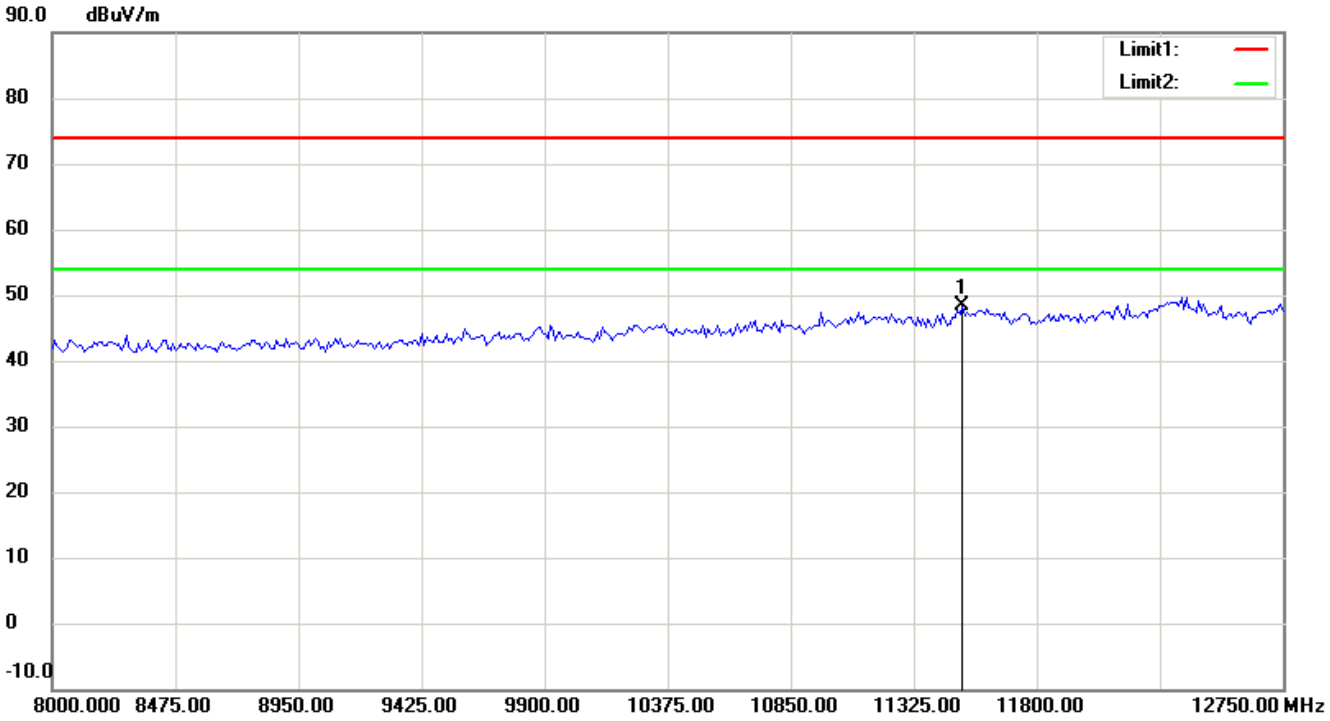
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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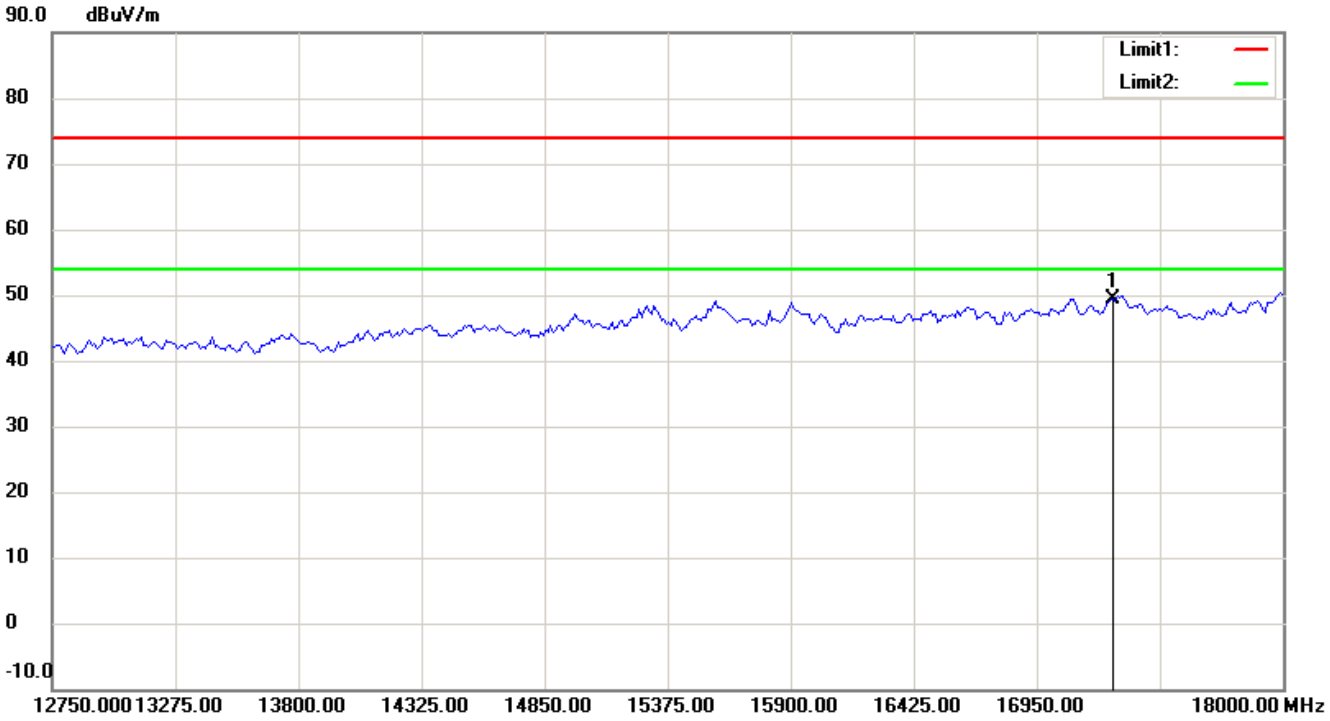
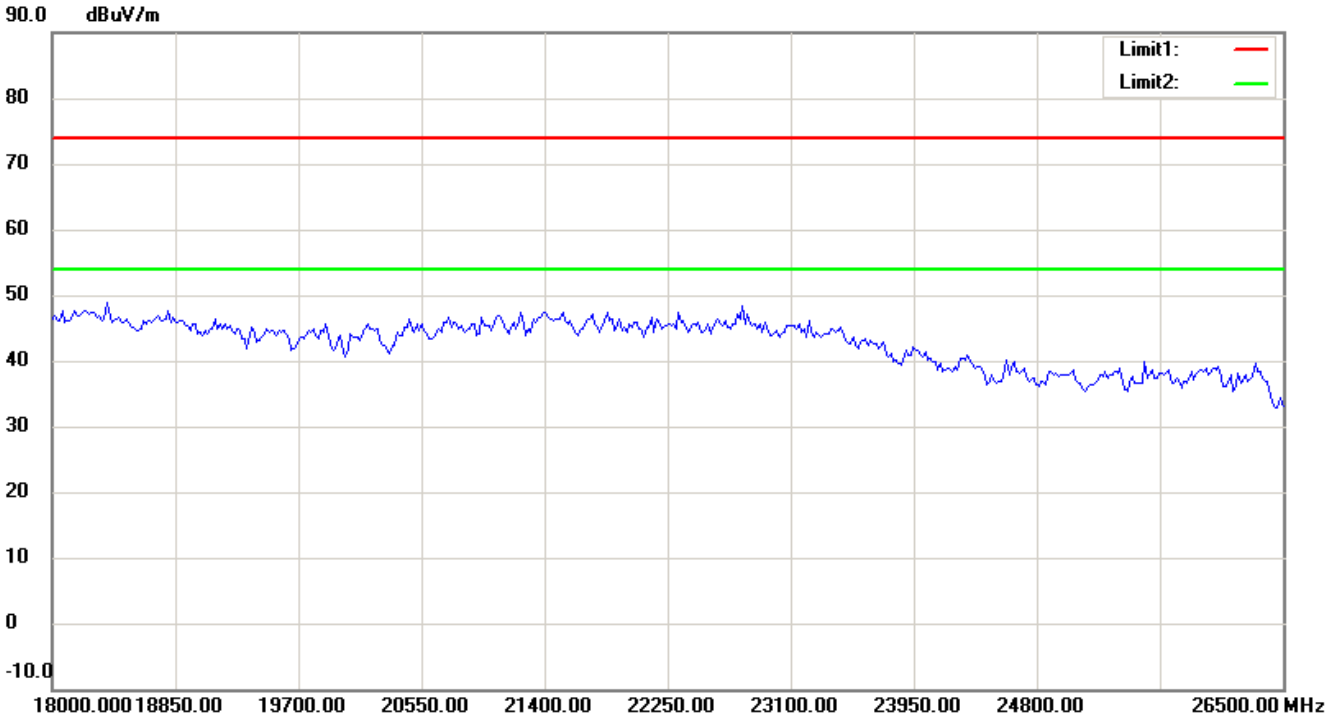
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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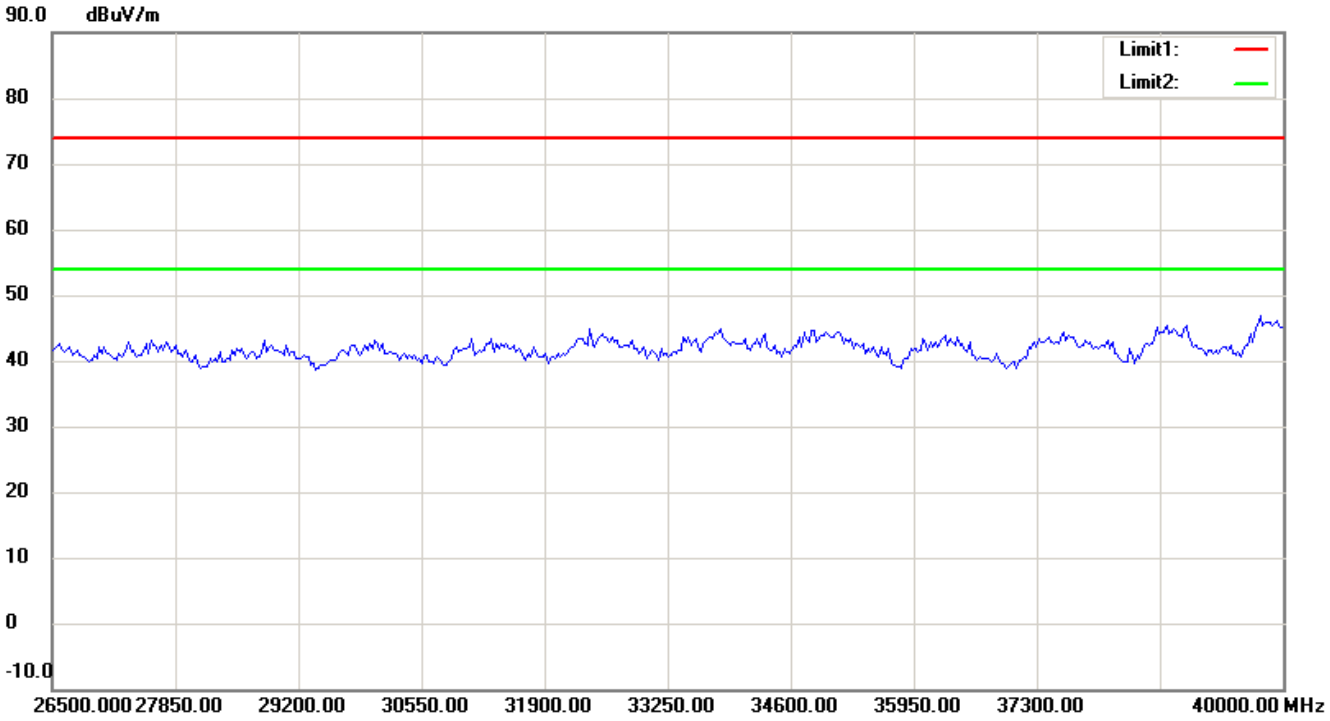
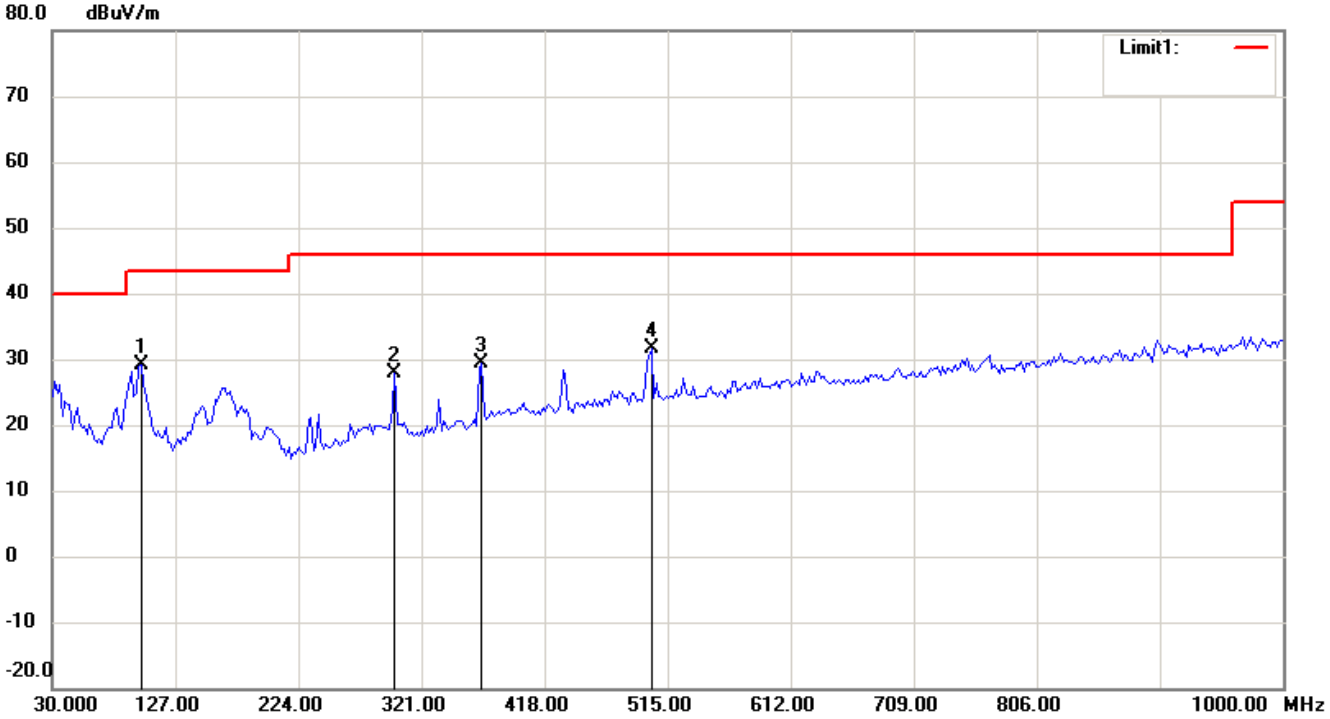
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



Antenna Polarization V



Up Line: Peak Limit Line Down Line: Ave Limit Line
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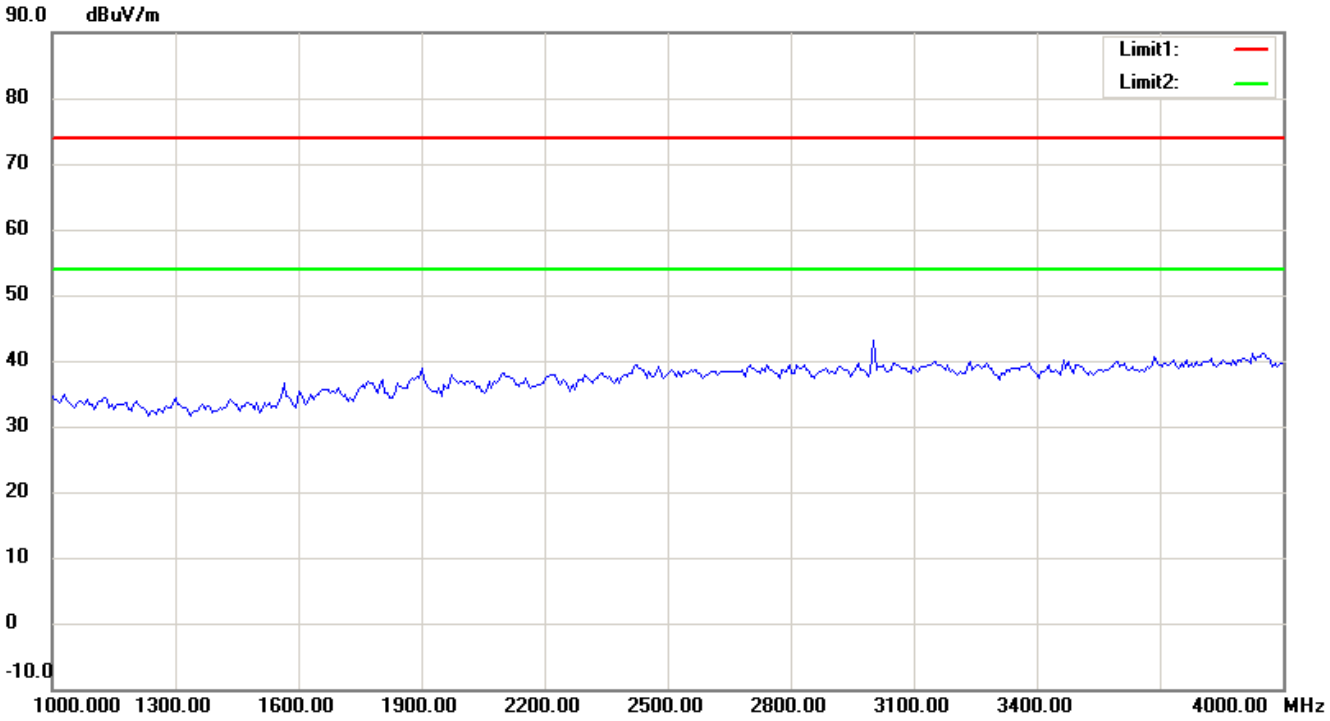
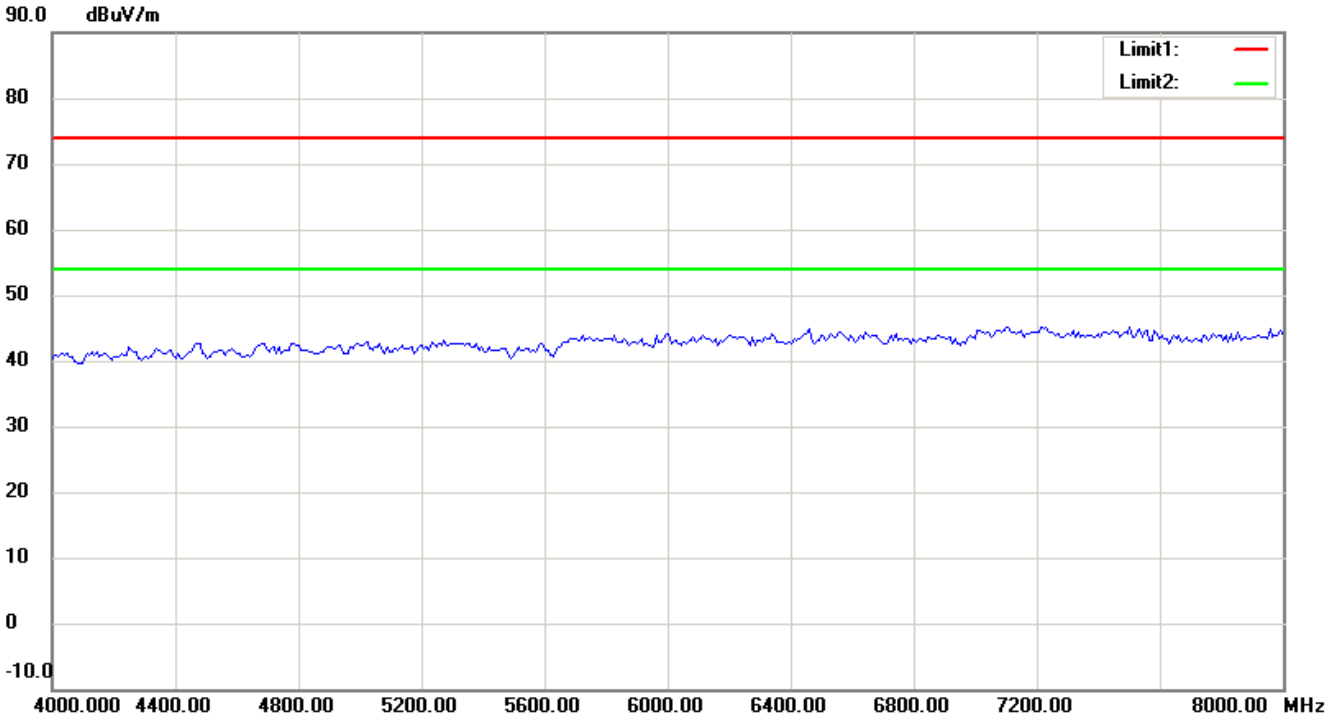
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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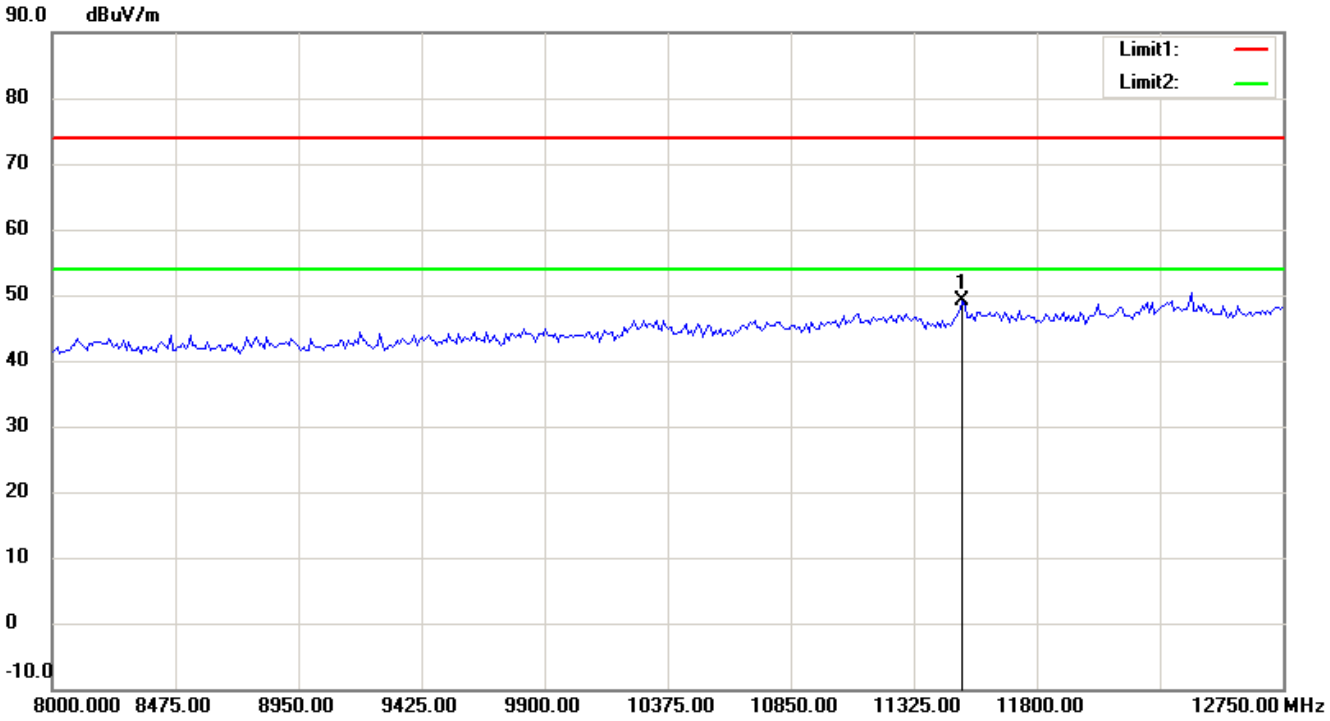
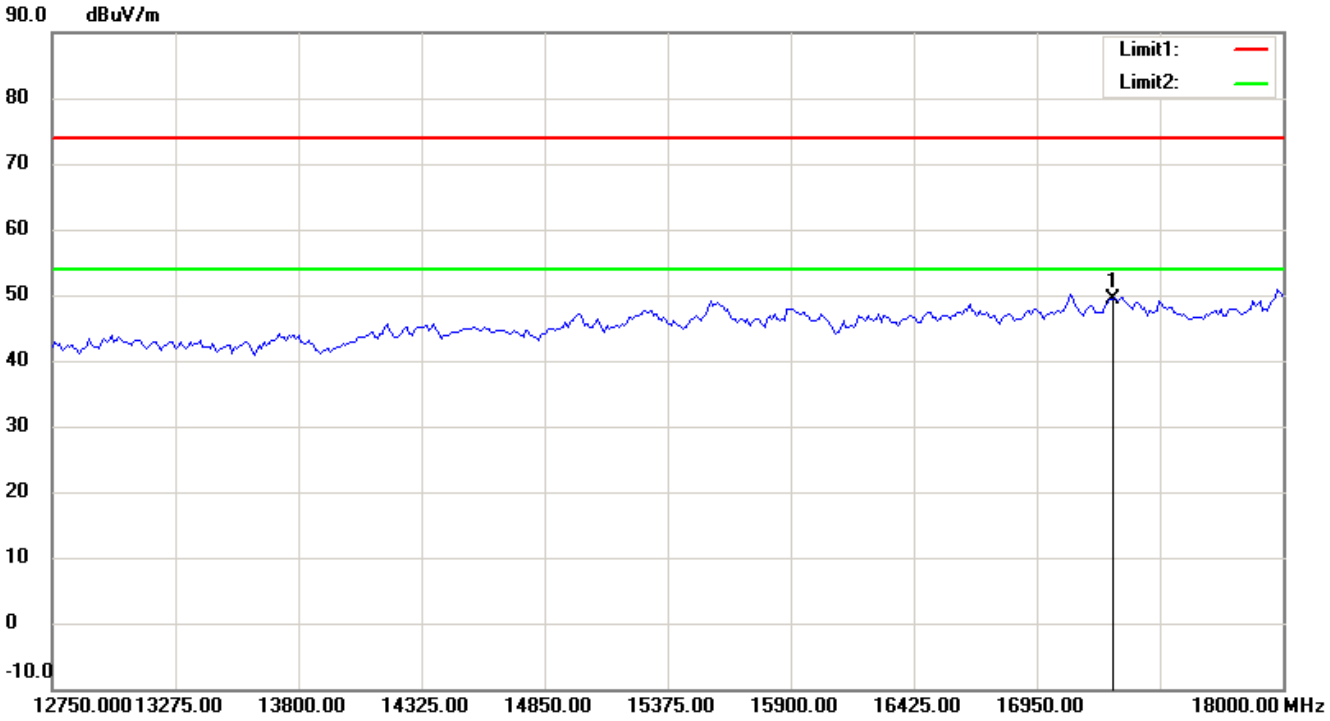
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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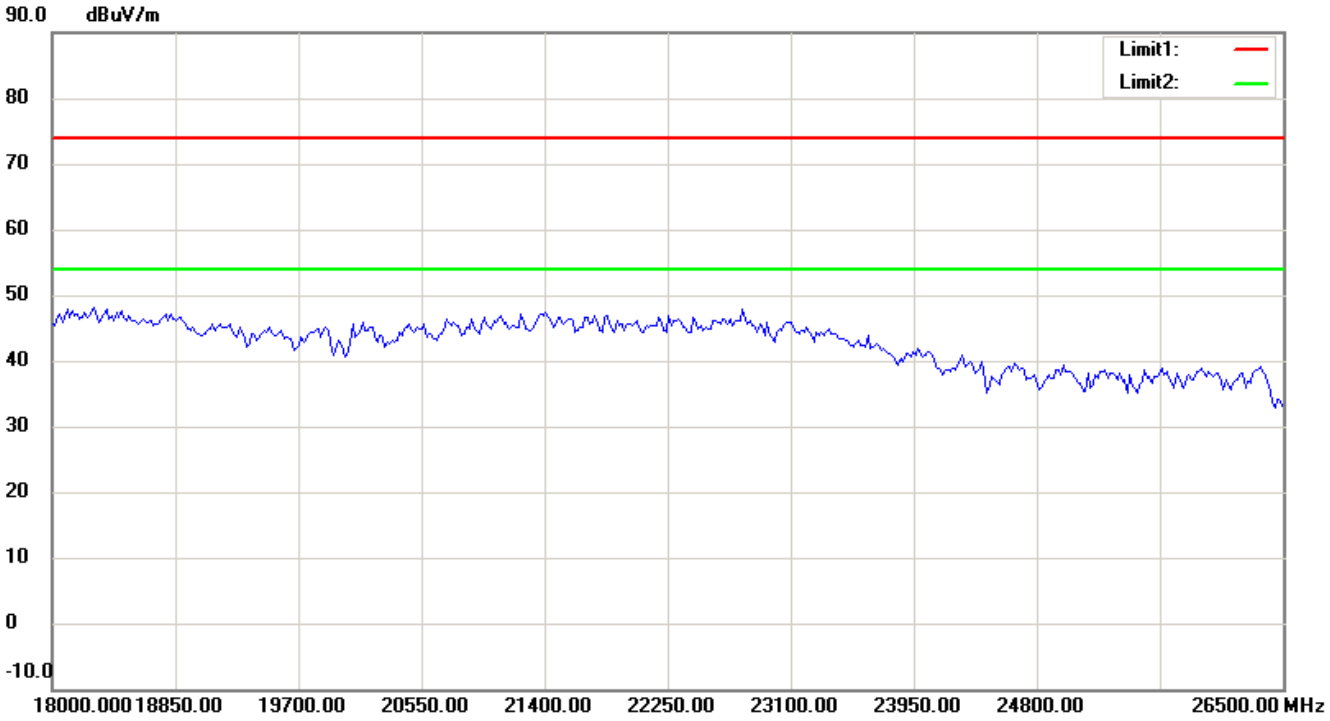
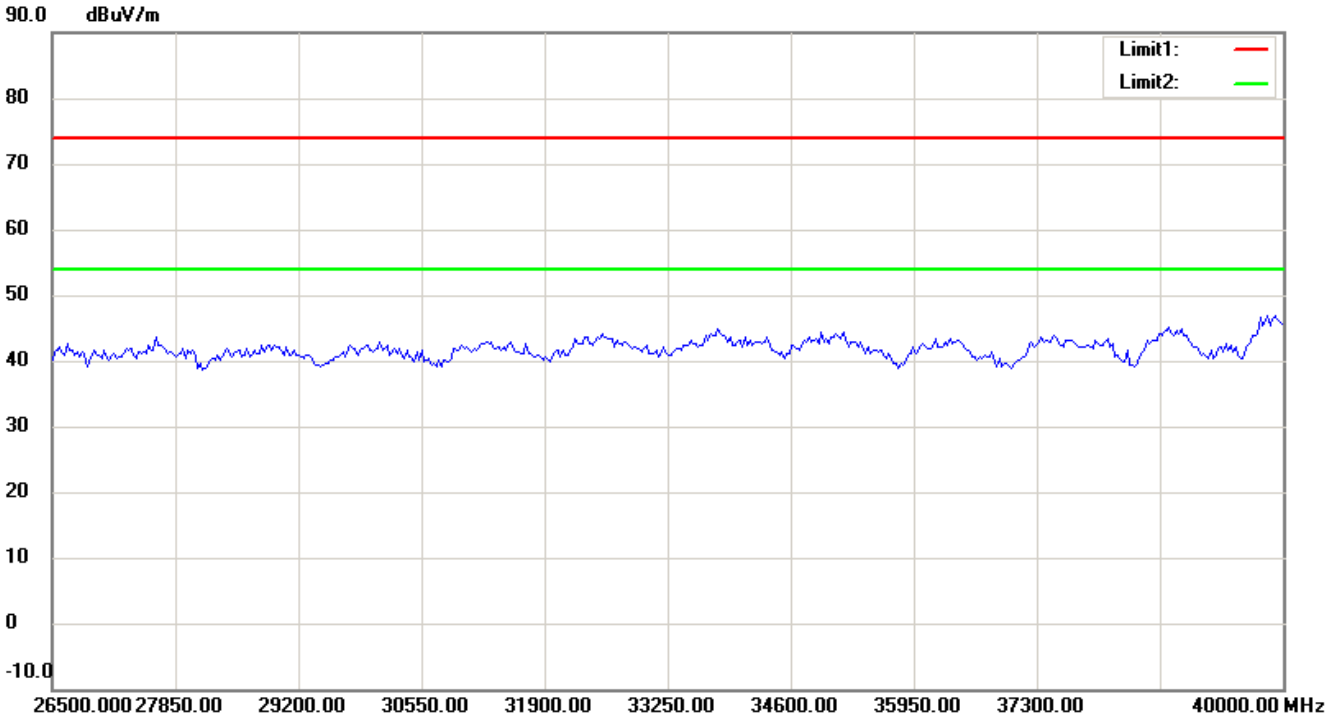
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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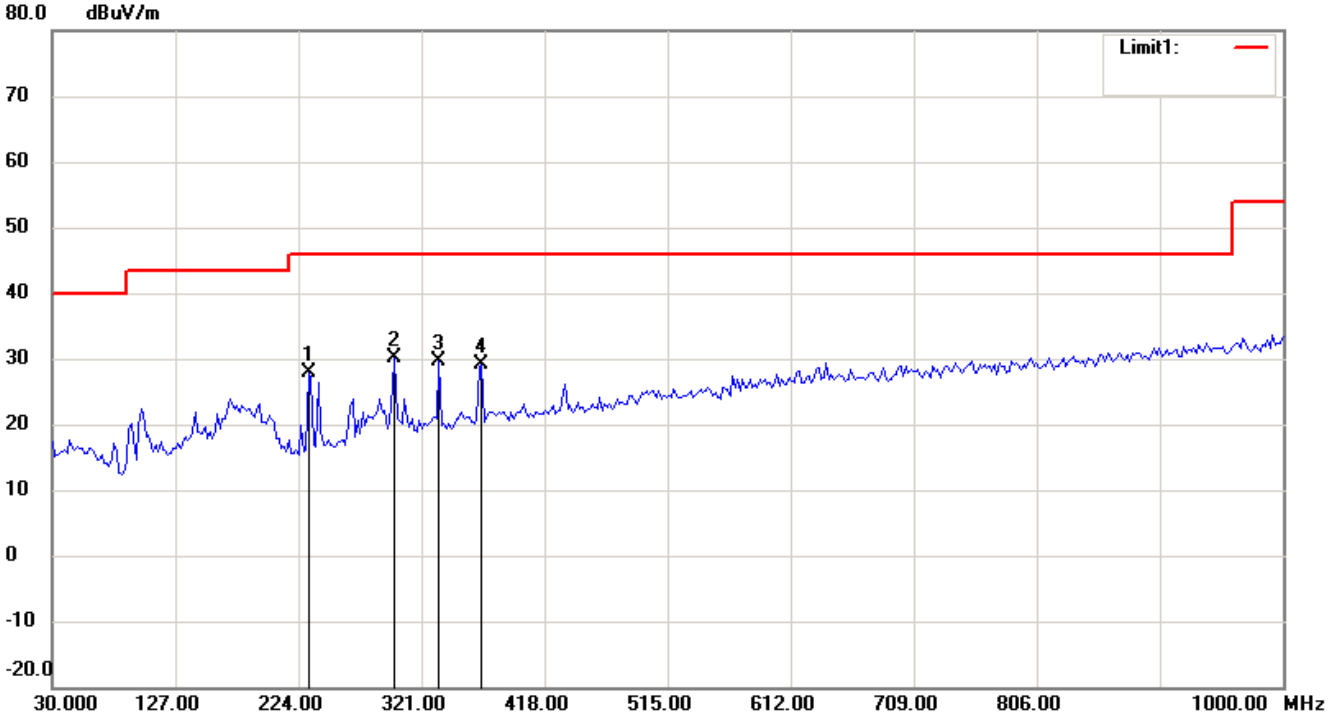
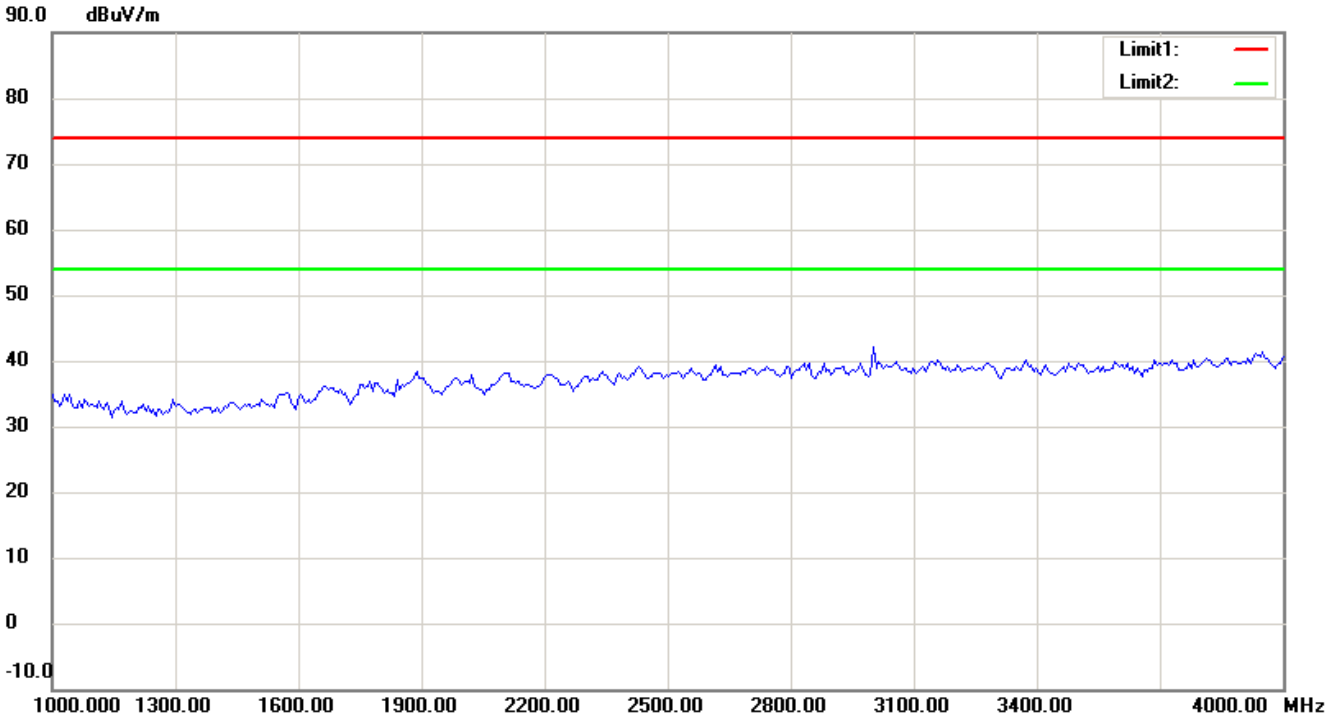
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11n 40MHz 5795MHz
Antenna Polarization H





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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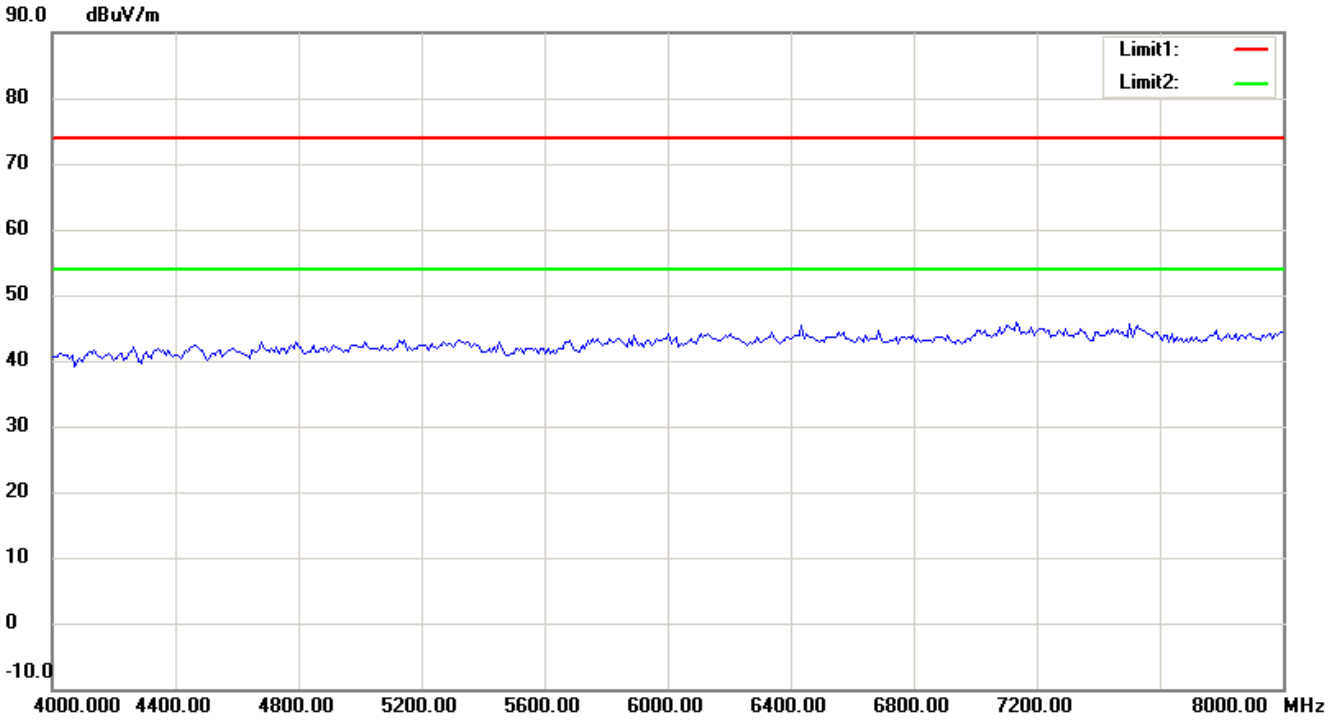
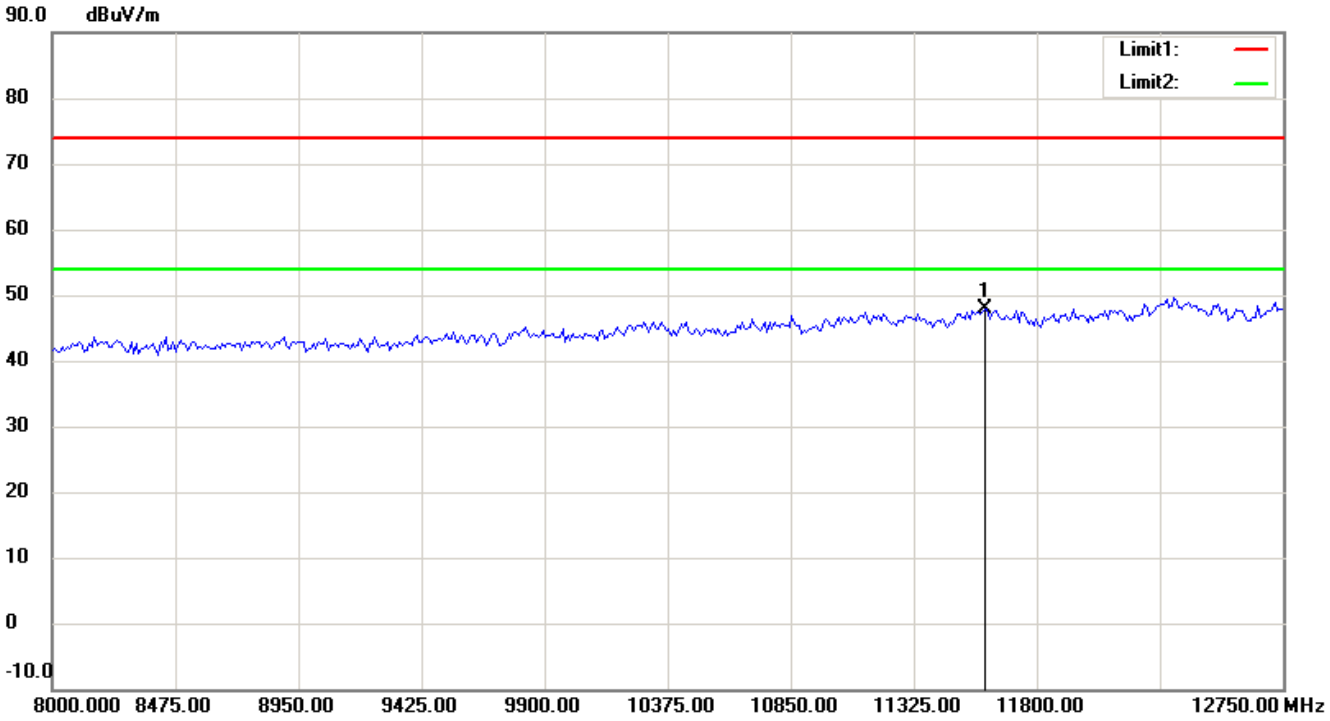
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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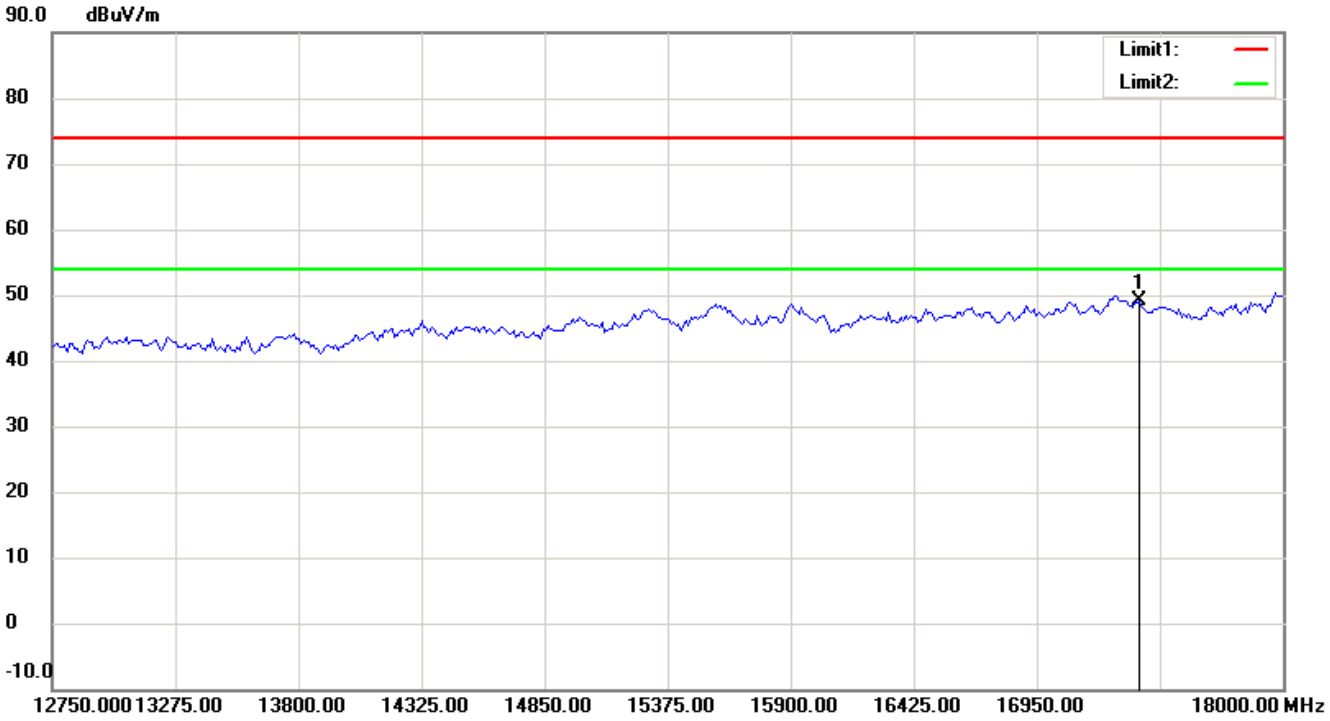
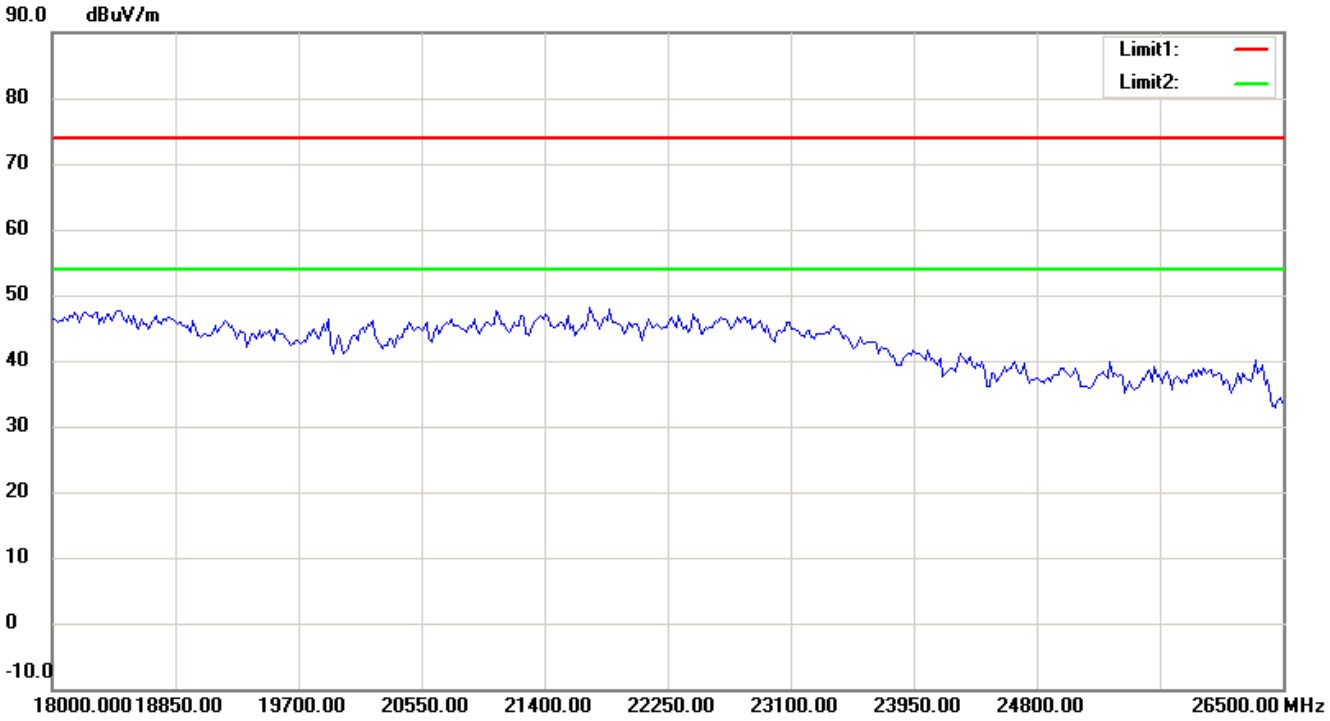
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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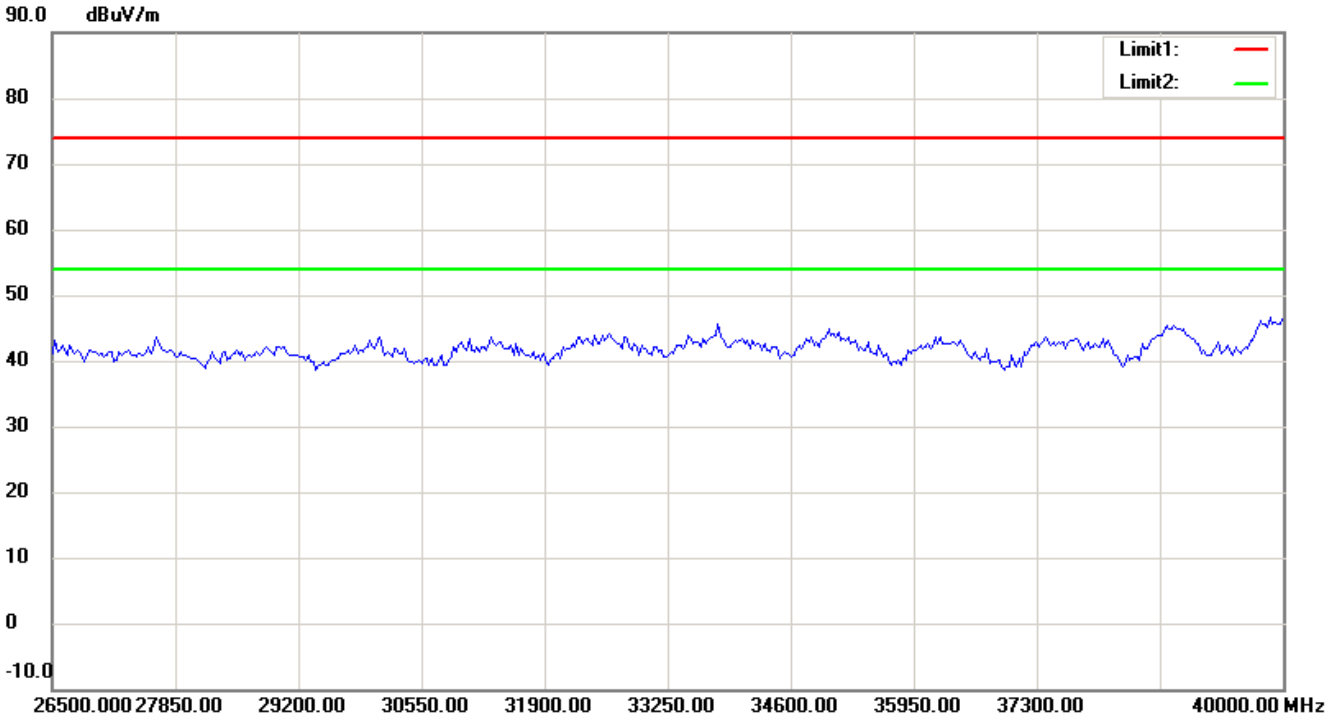
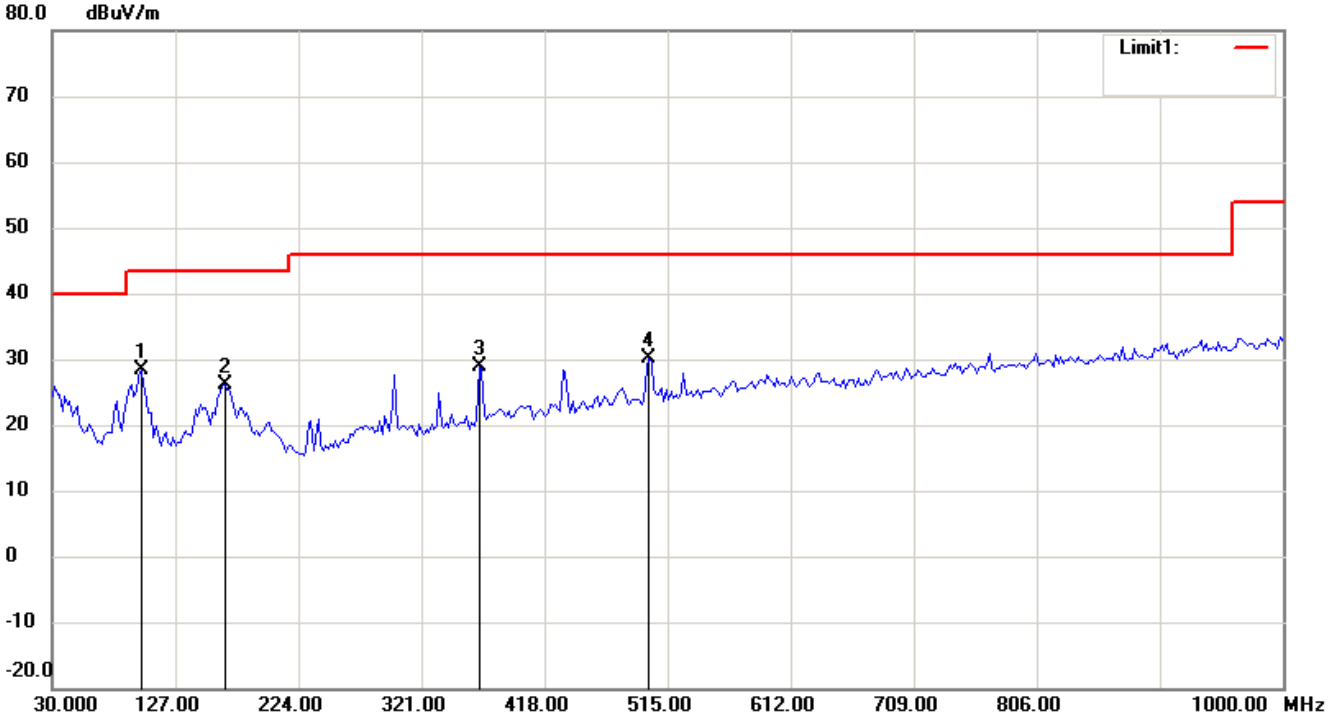
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



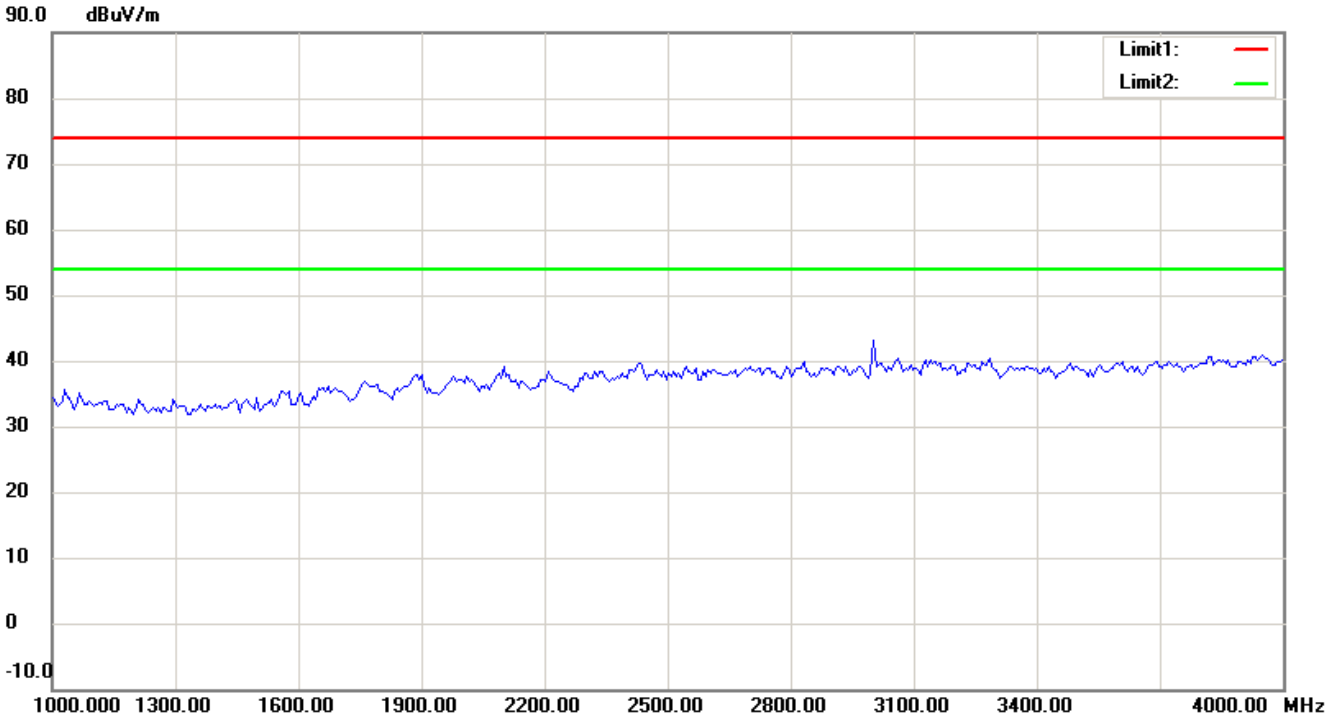
Antenna Polarization V

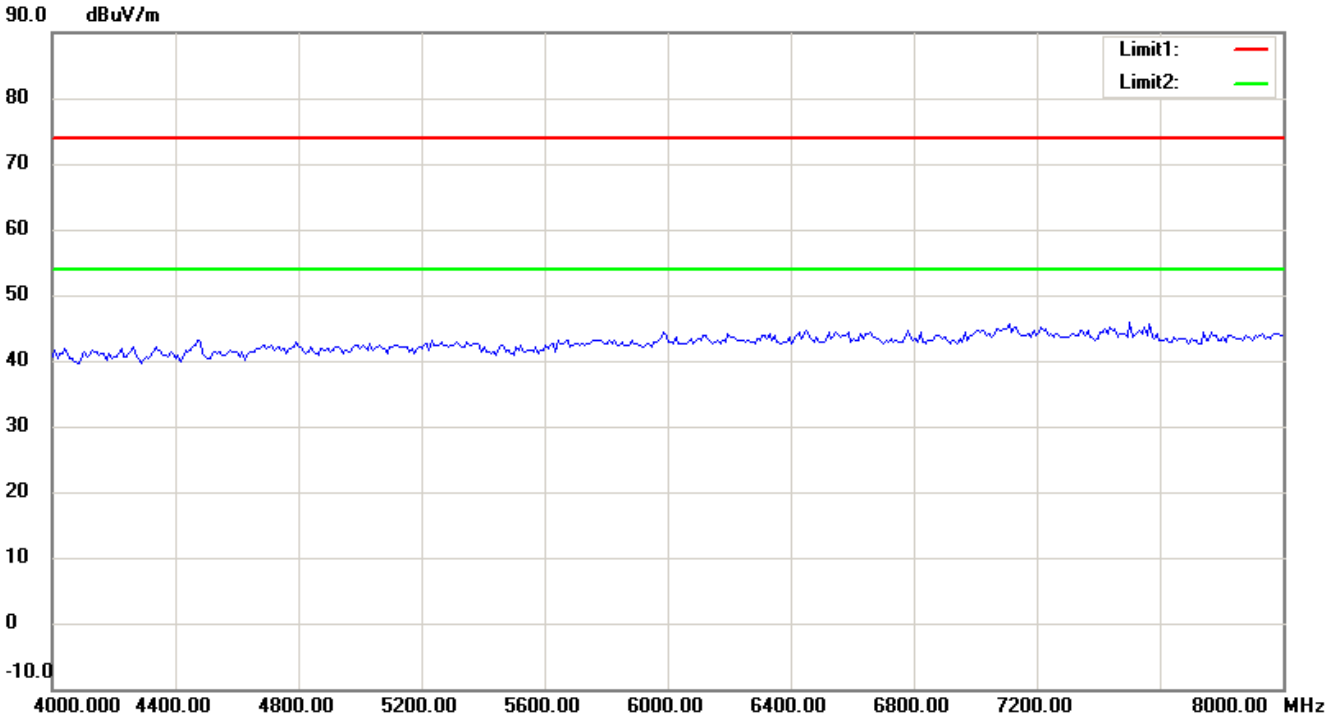


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

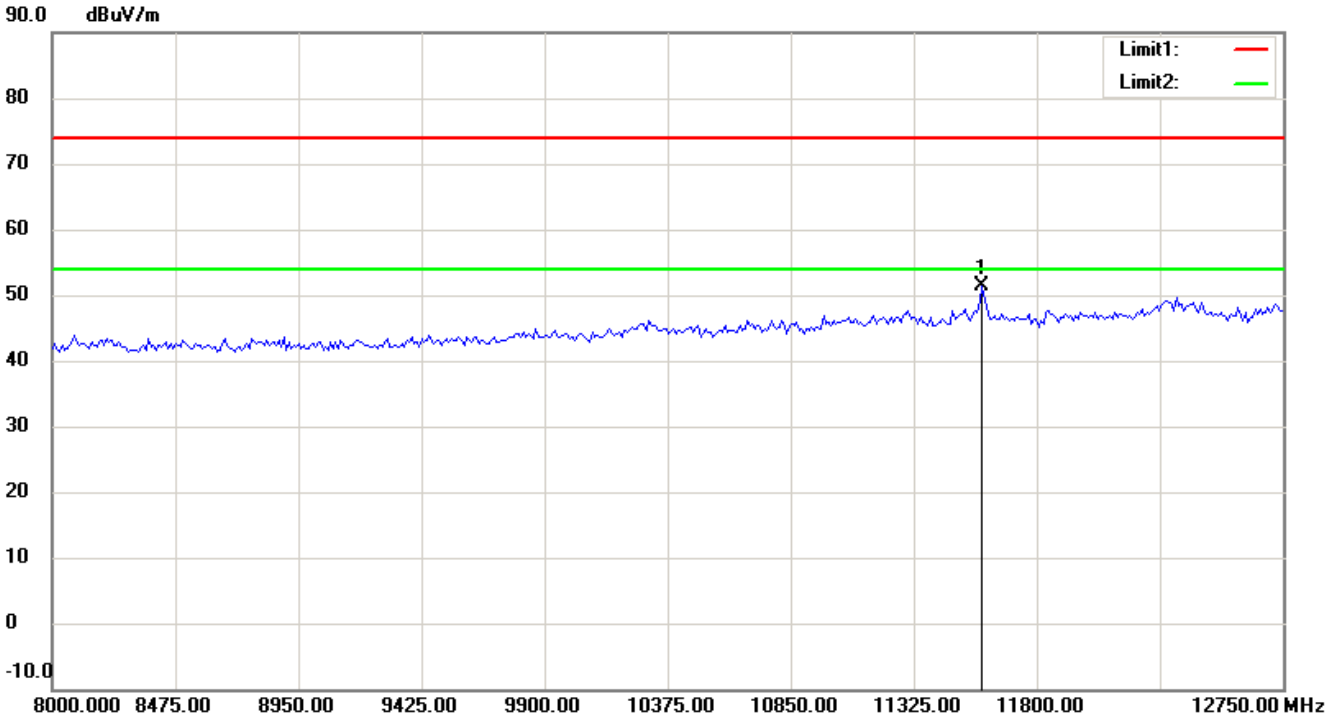


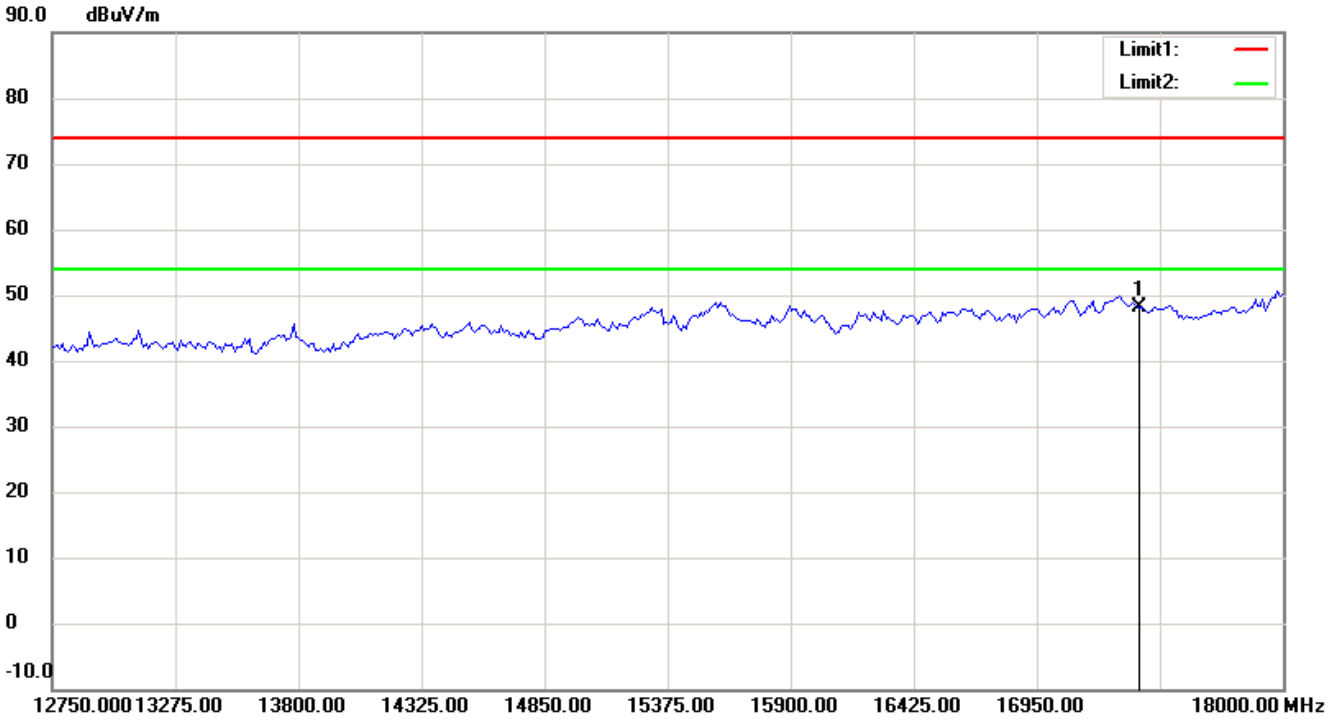


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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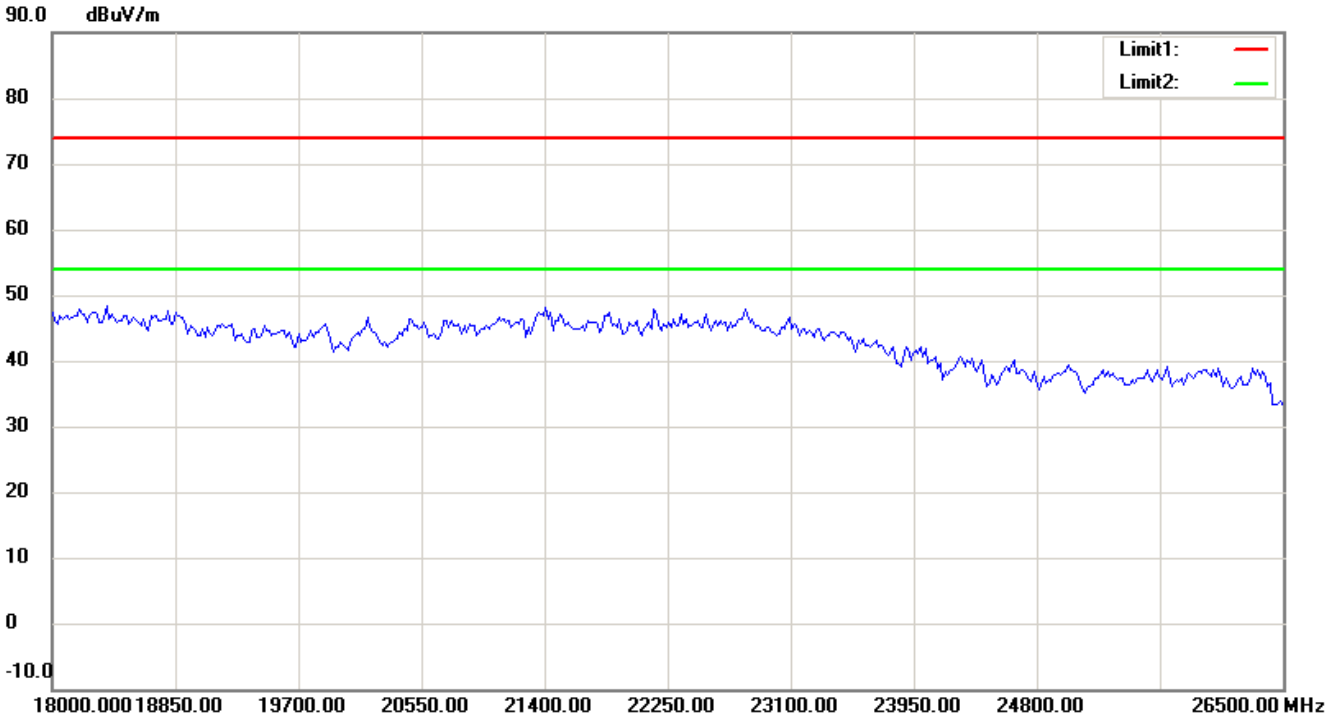
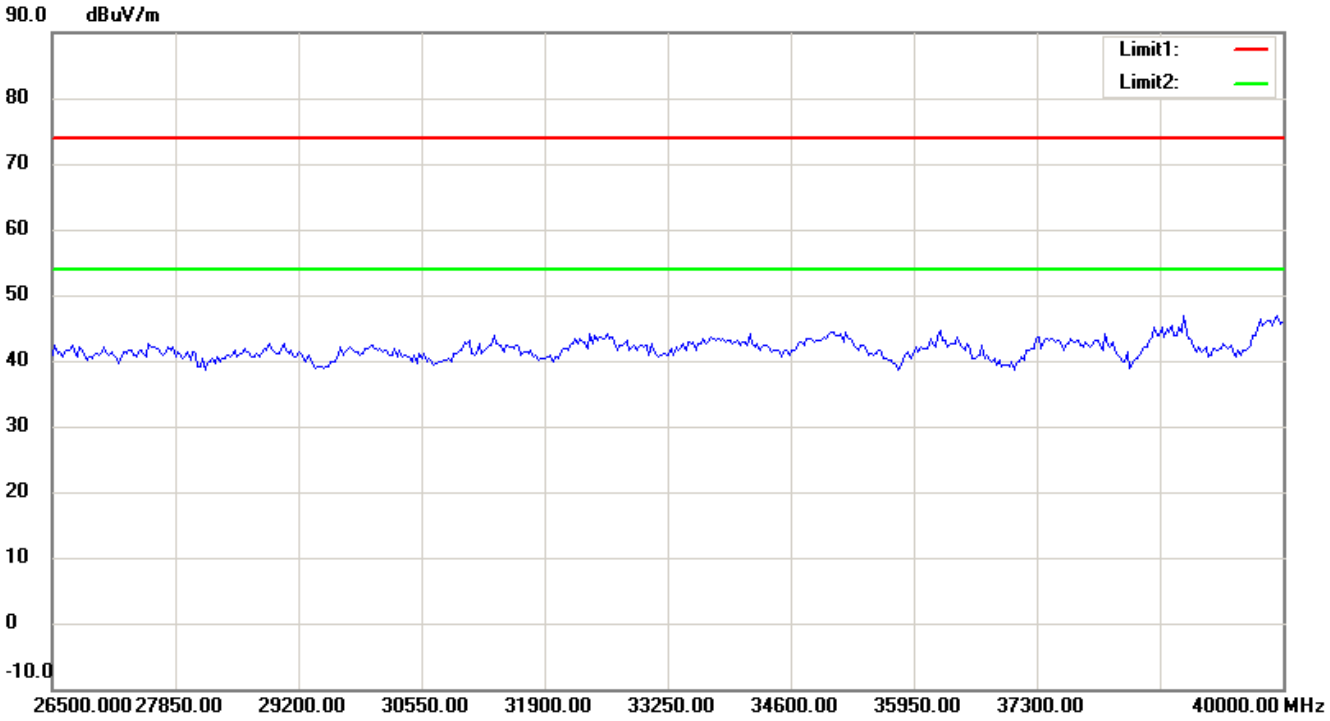
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



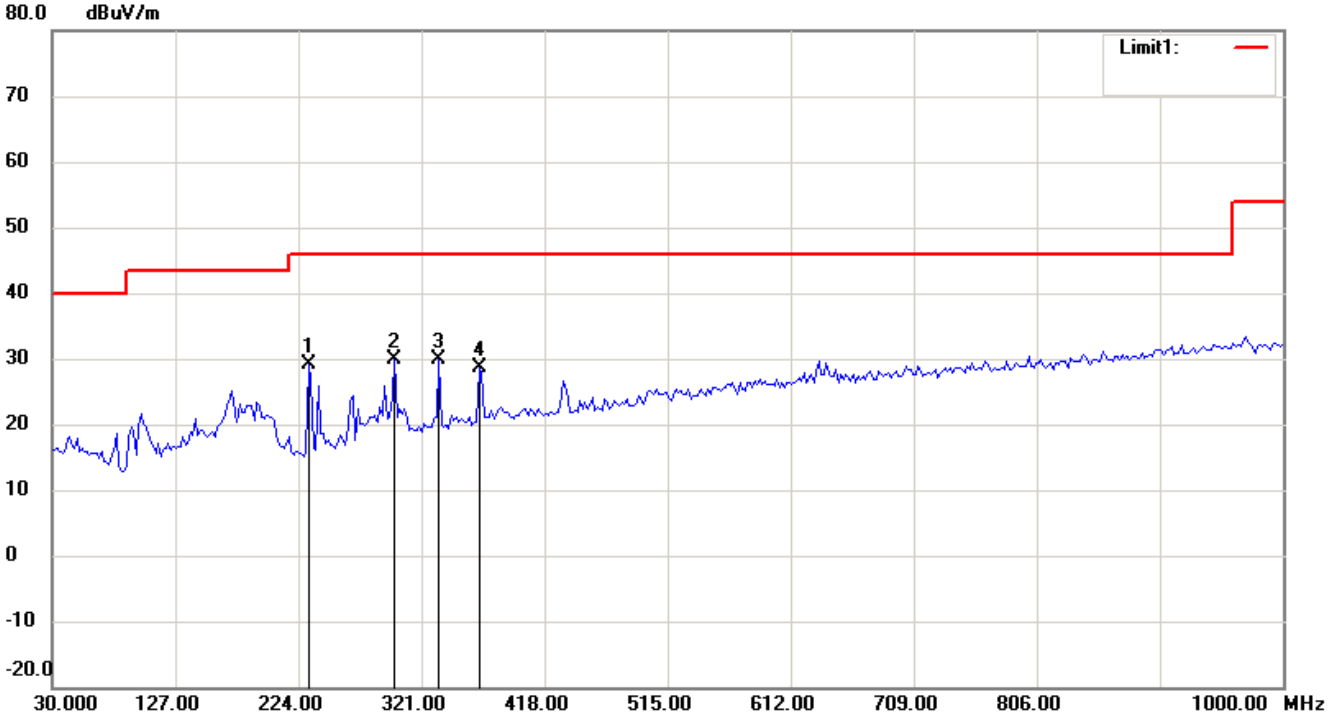


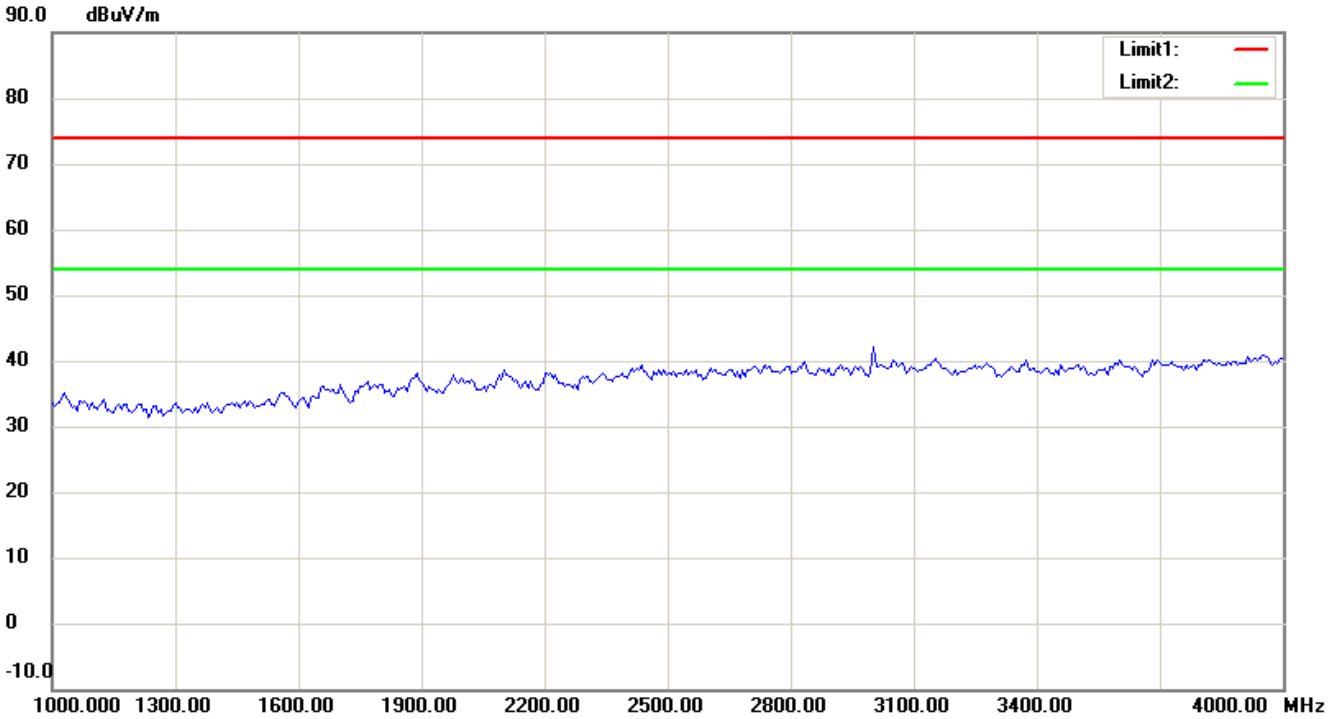
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11ac 5775MHz
Antenna Polarization H

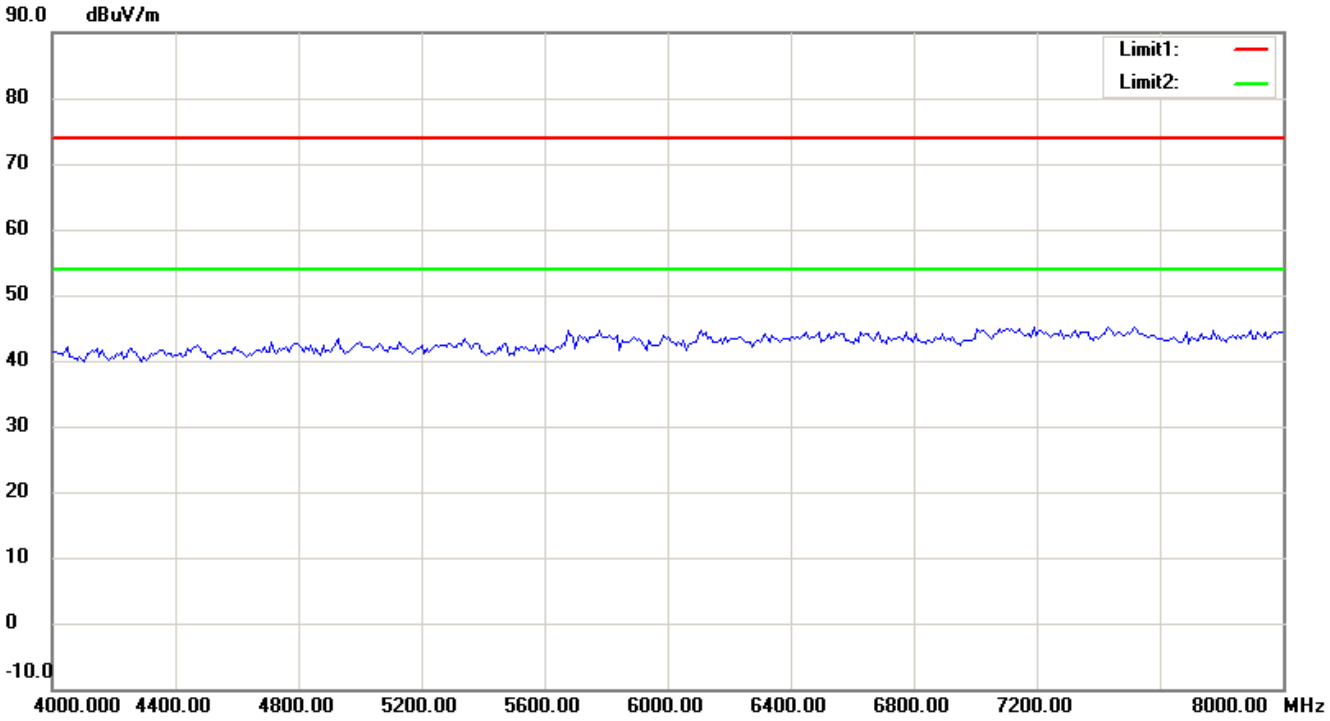


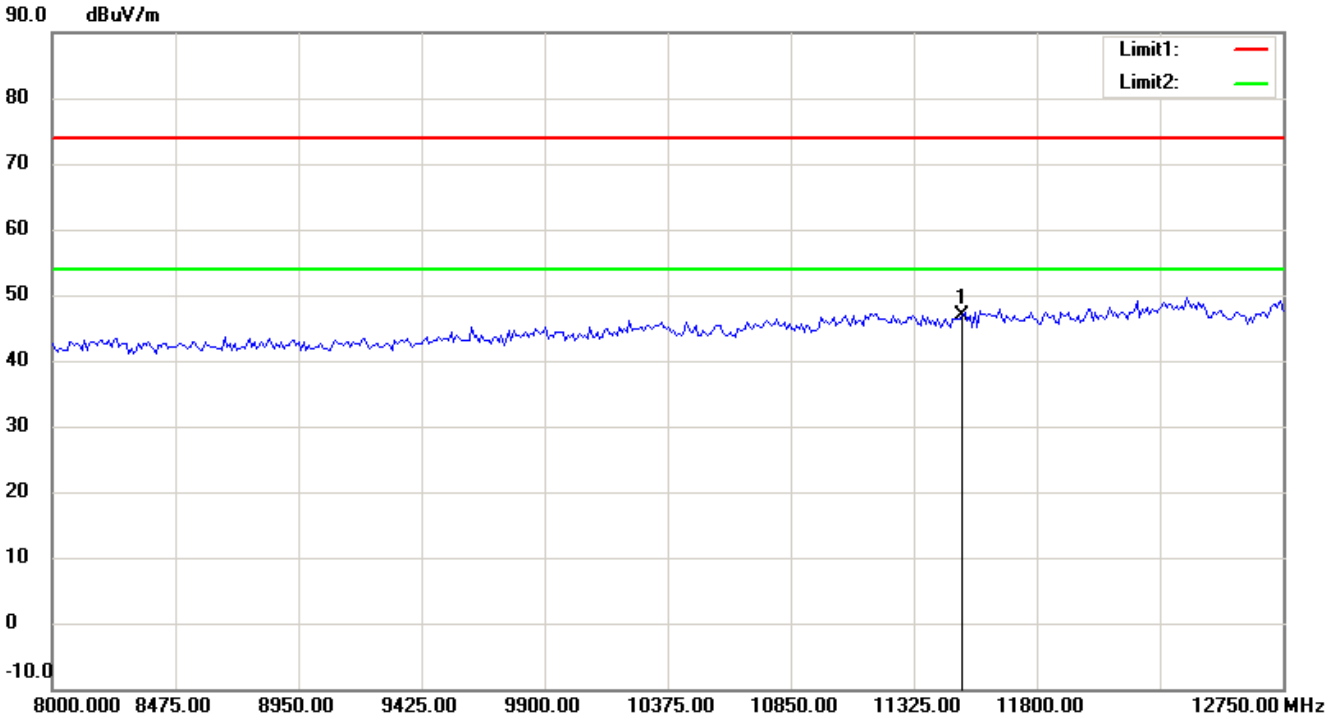


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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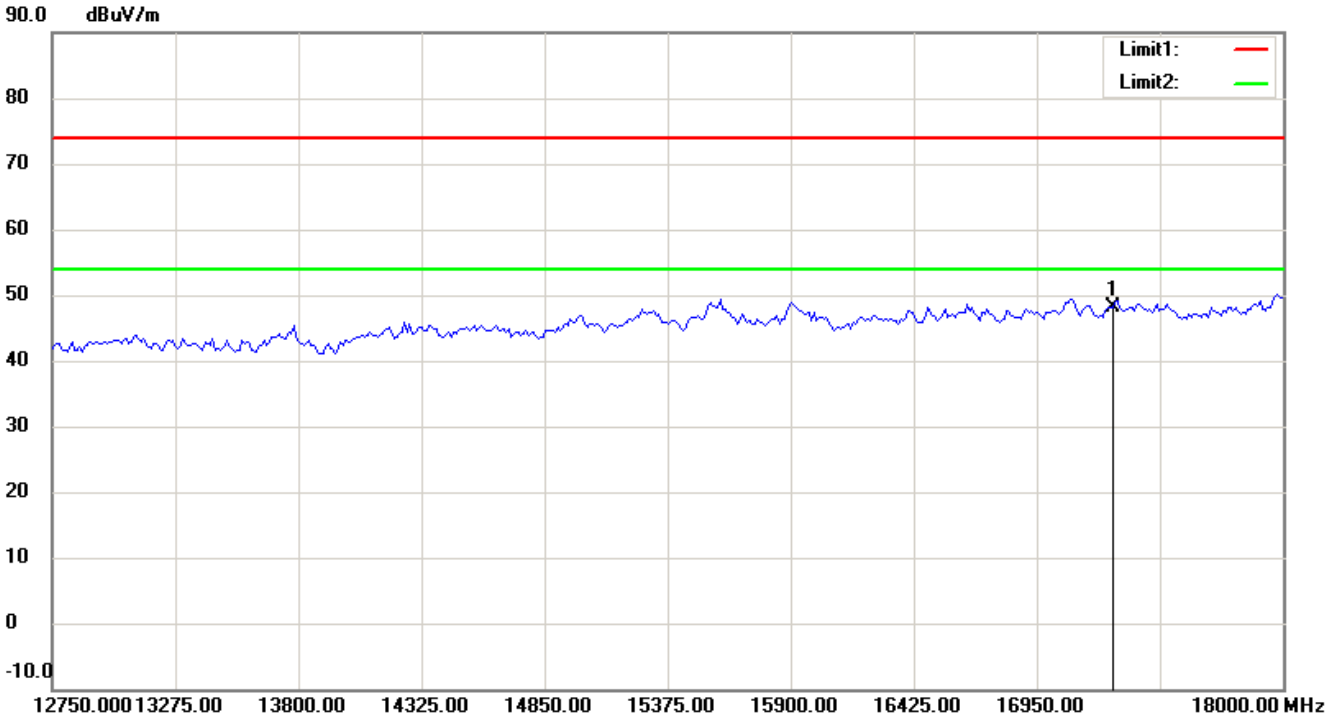
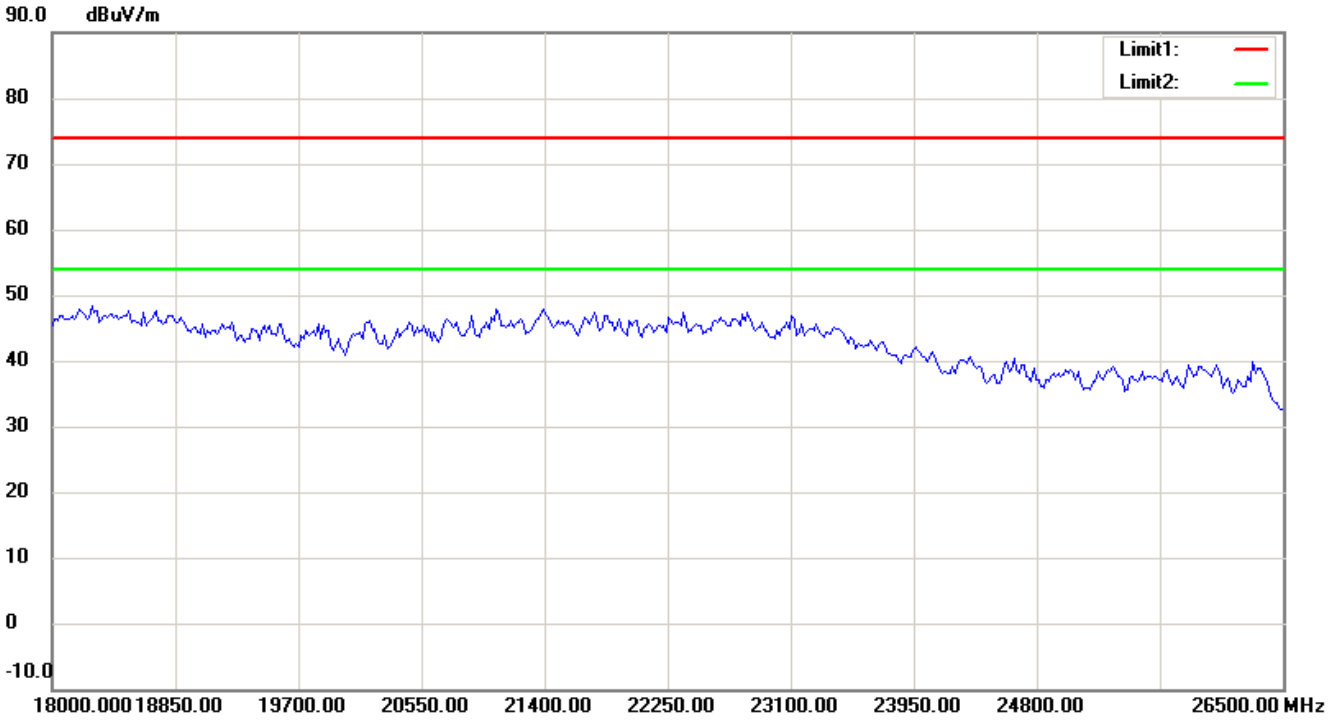
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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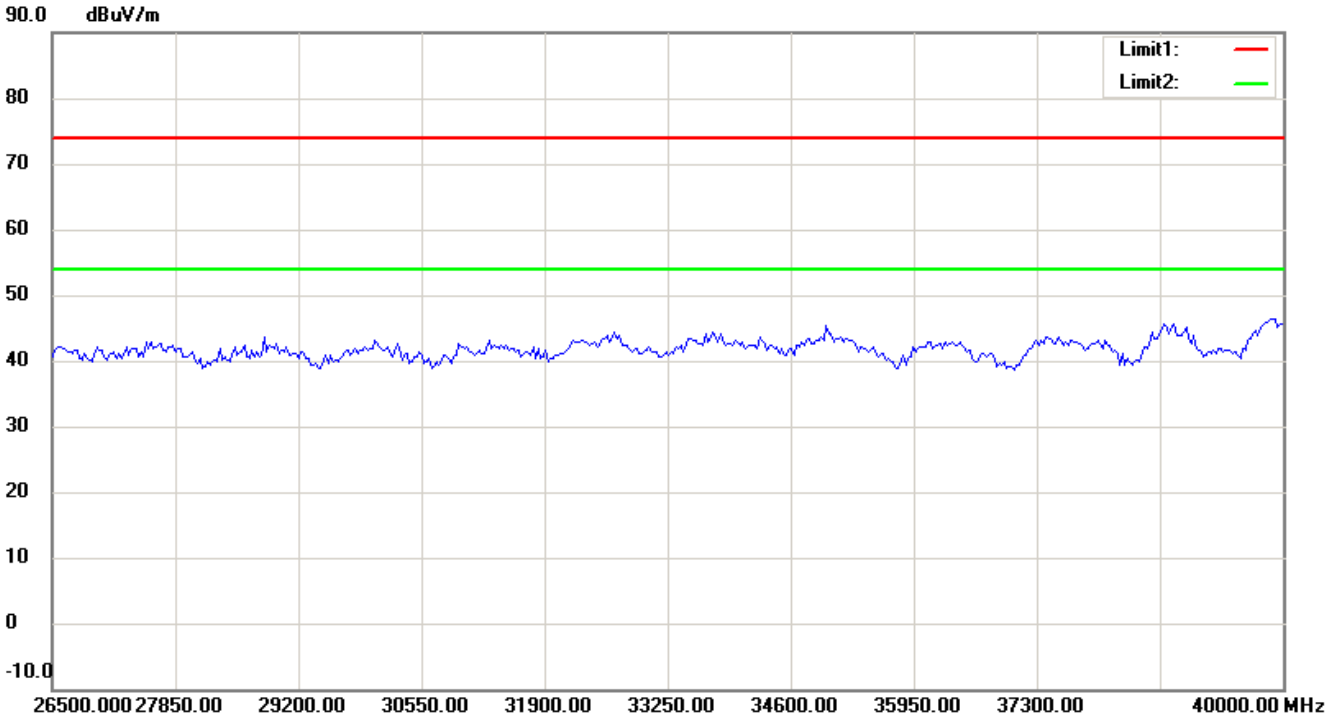
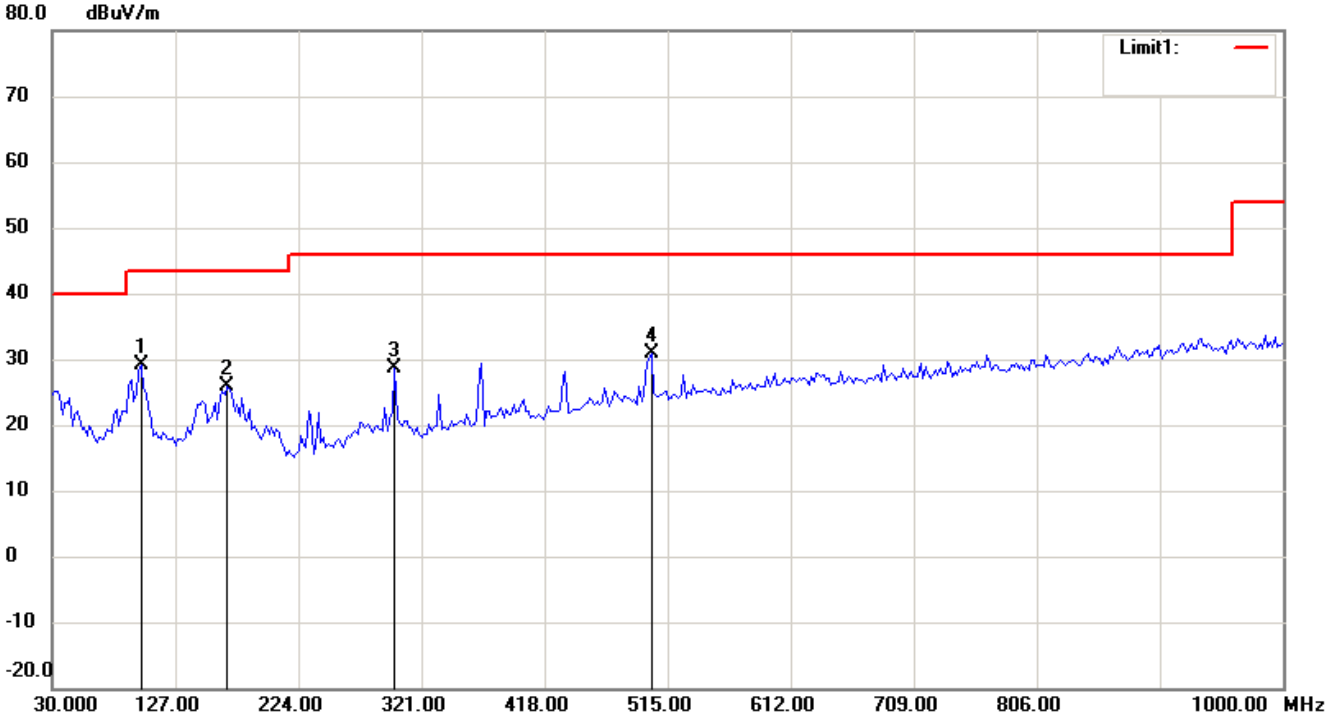
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



Antenna Polarization V



Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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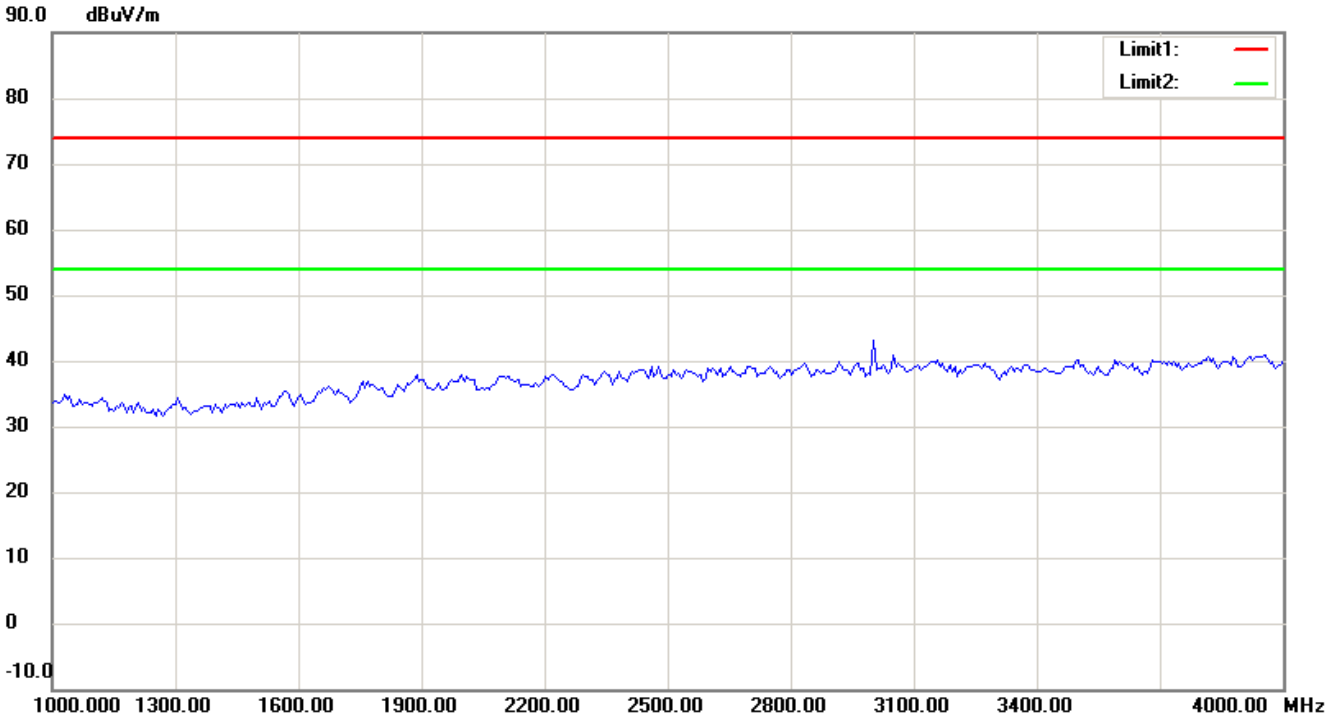
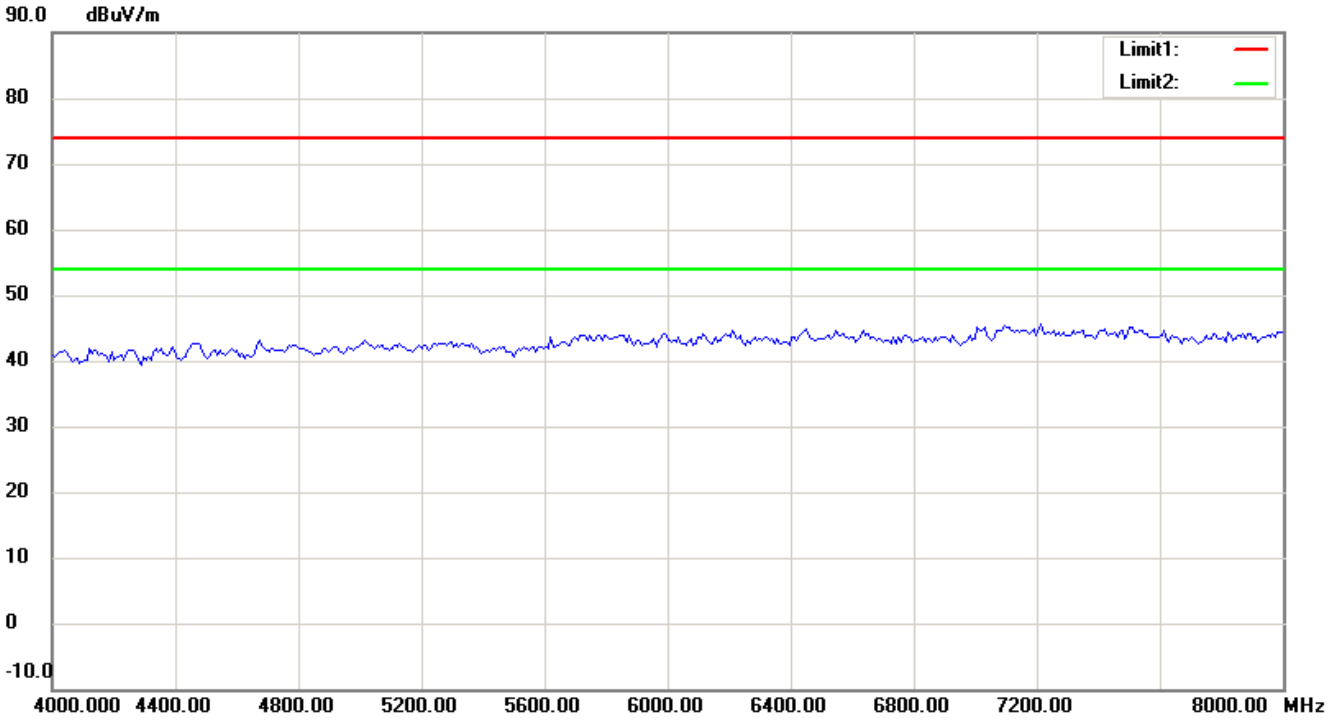
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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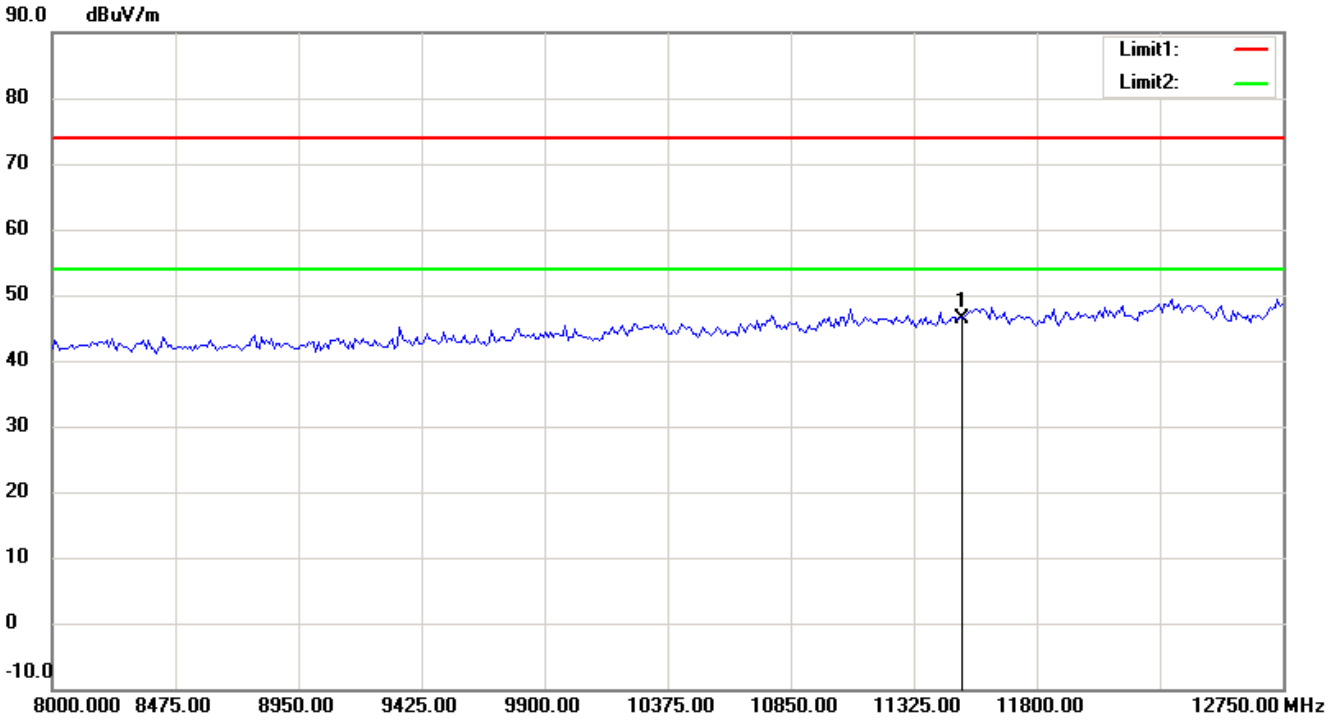
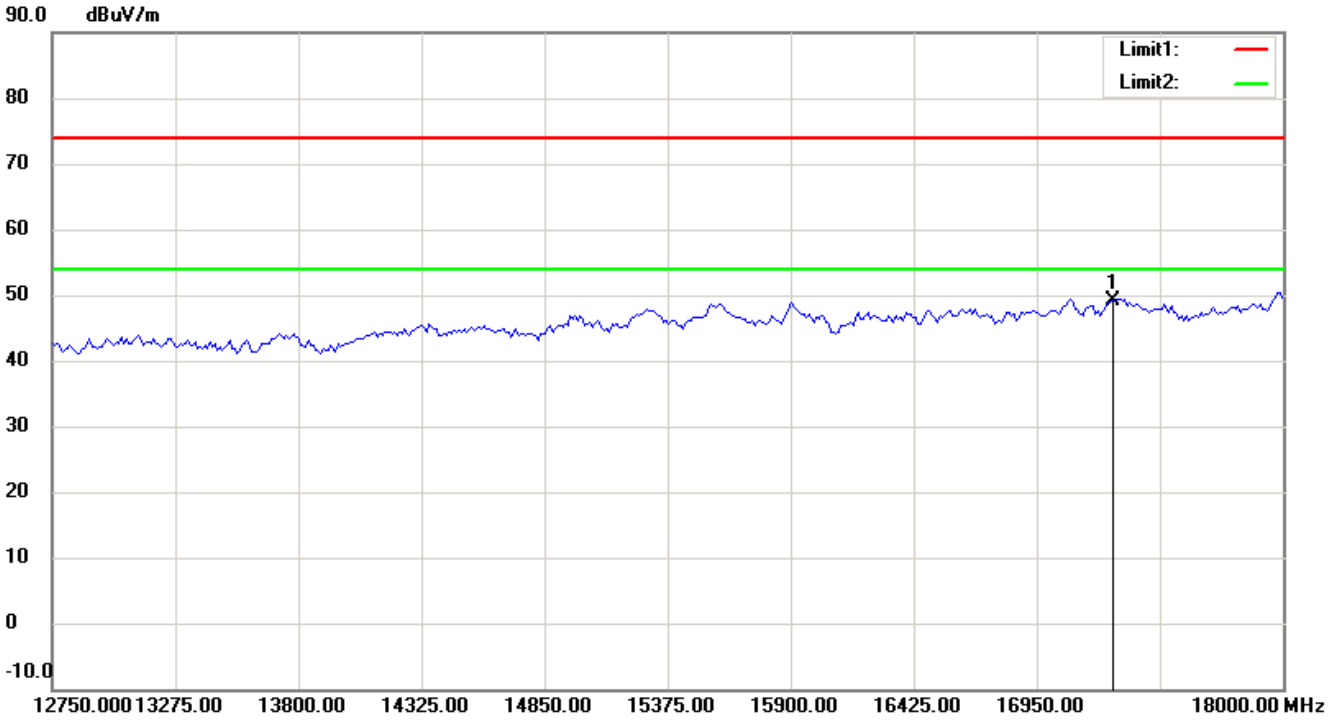
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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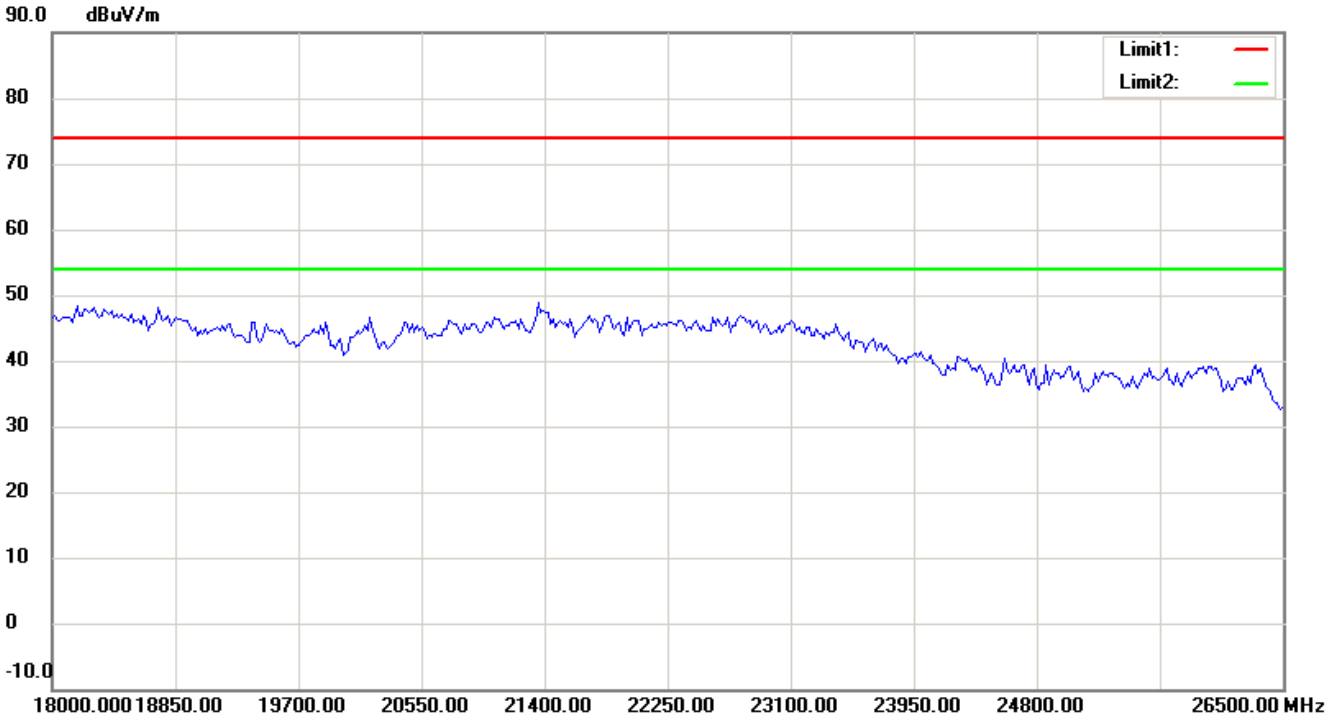
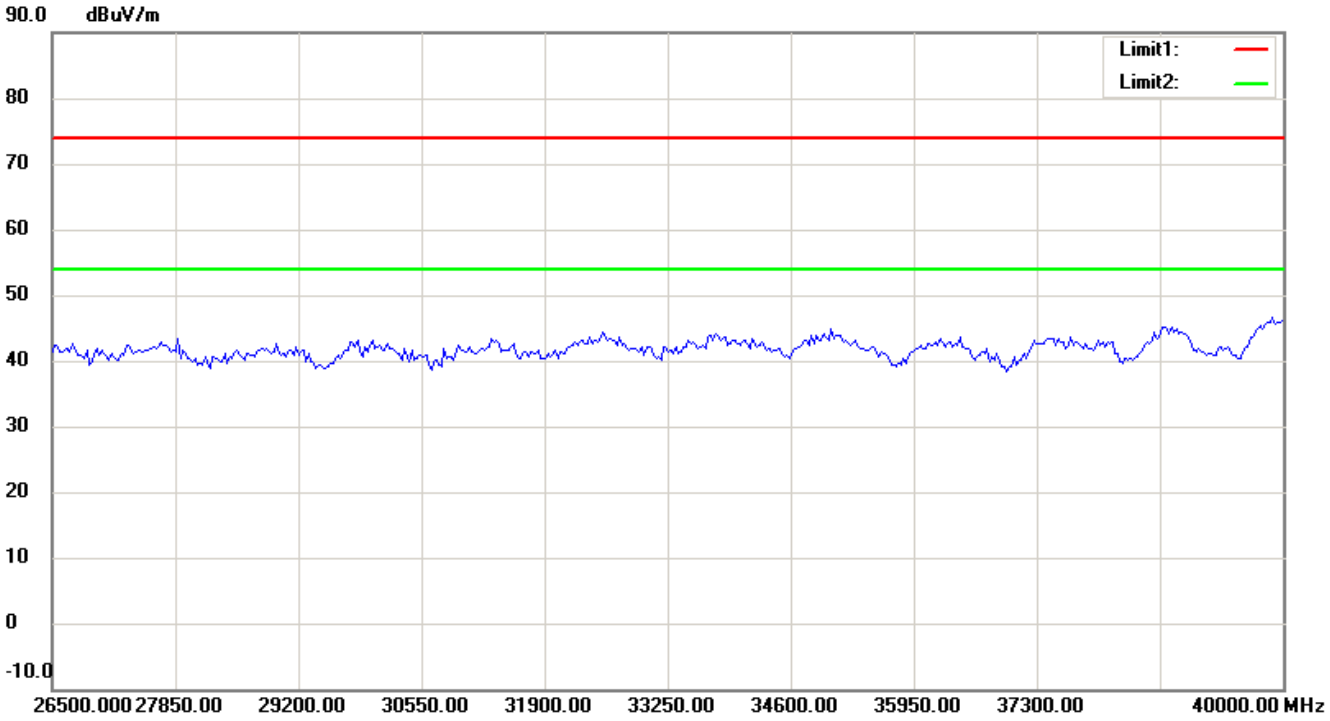
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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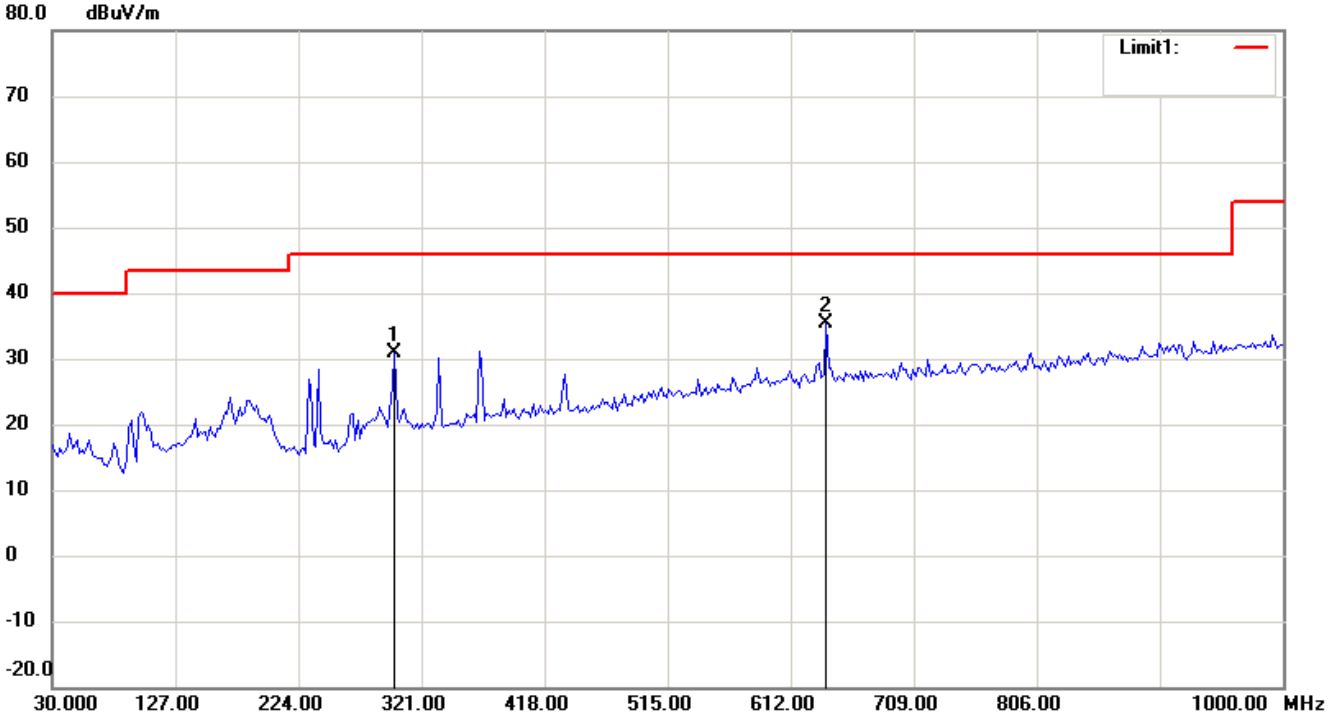
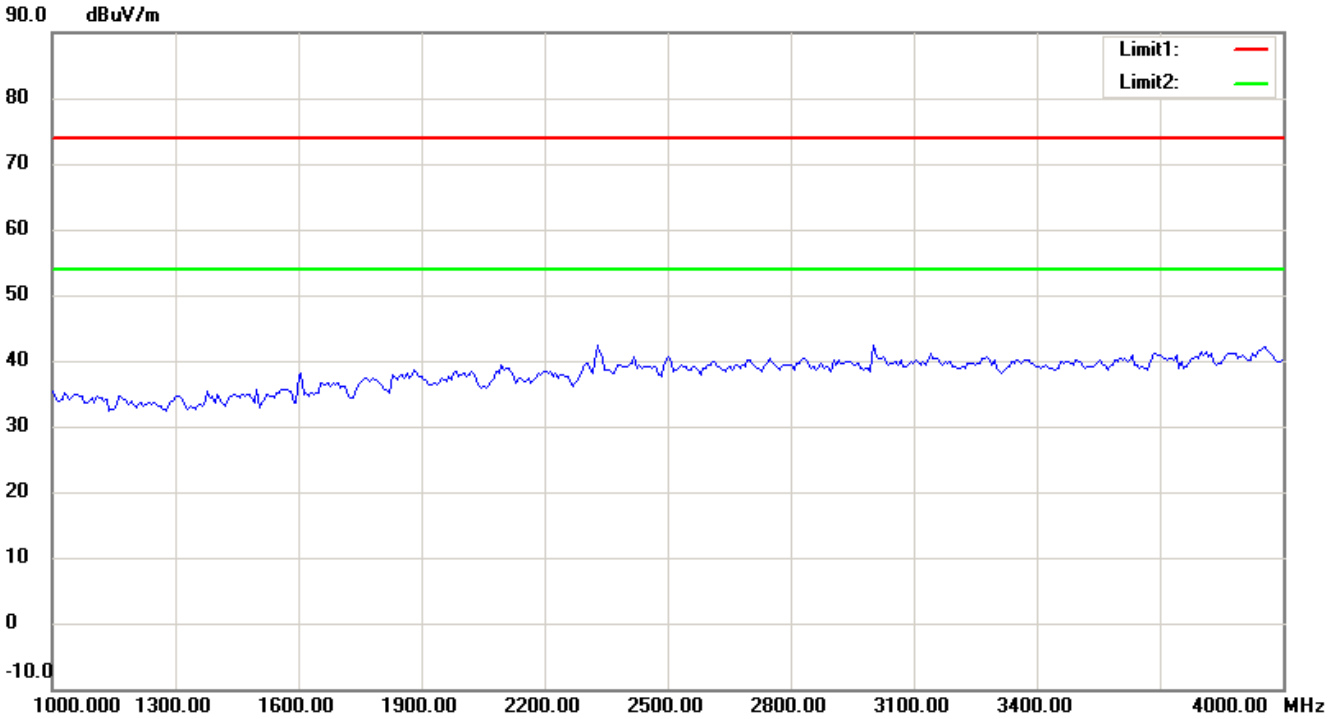
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11n 20MHz 2412MHz
Antenna Polarization H

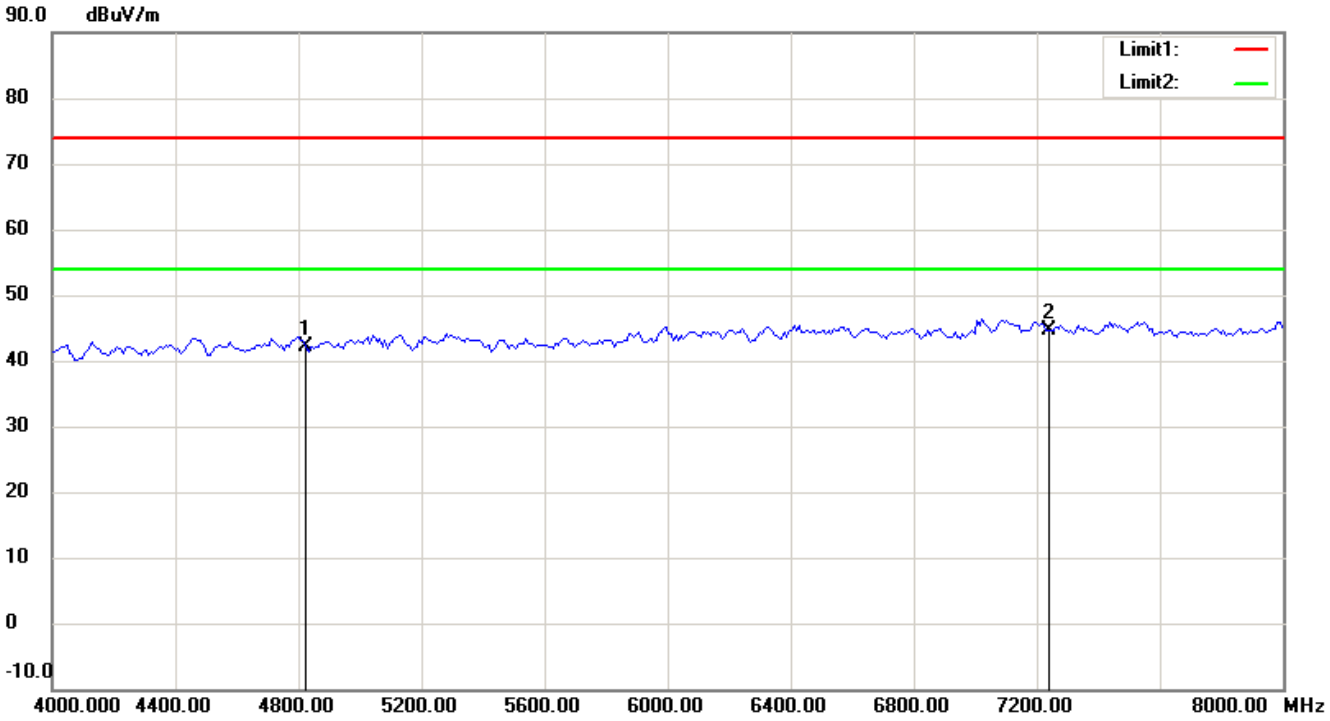


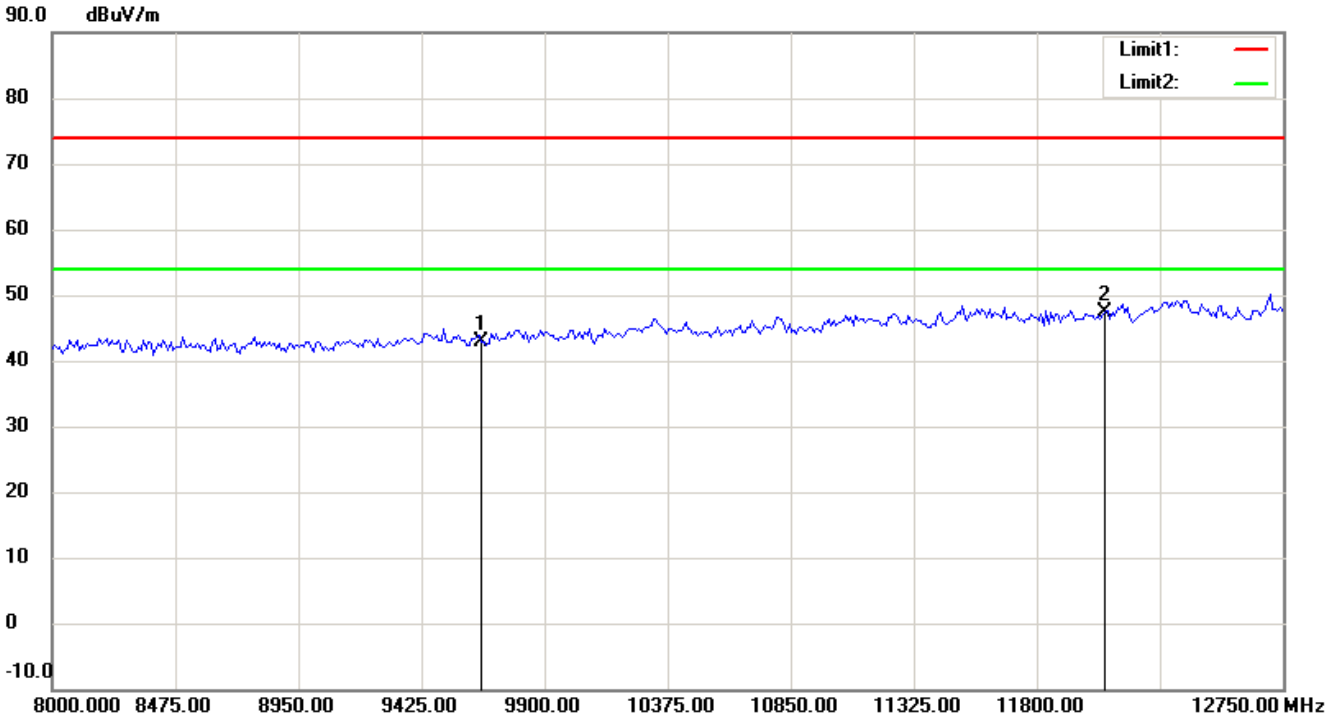


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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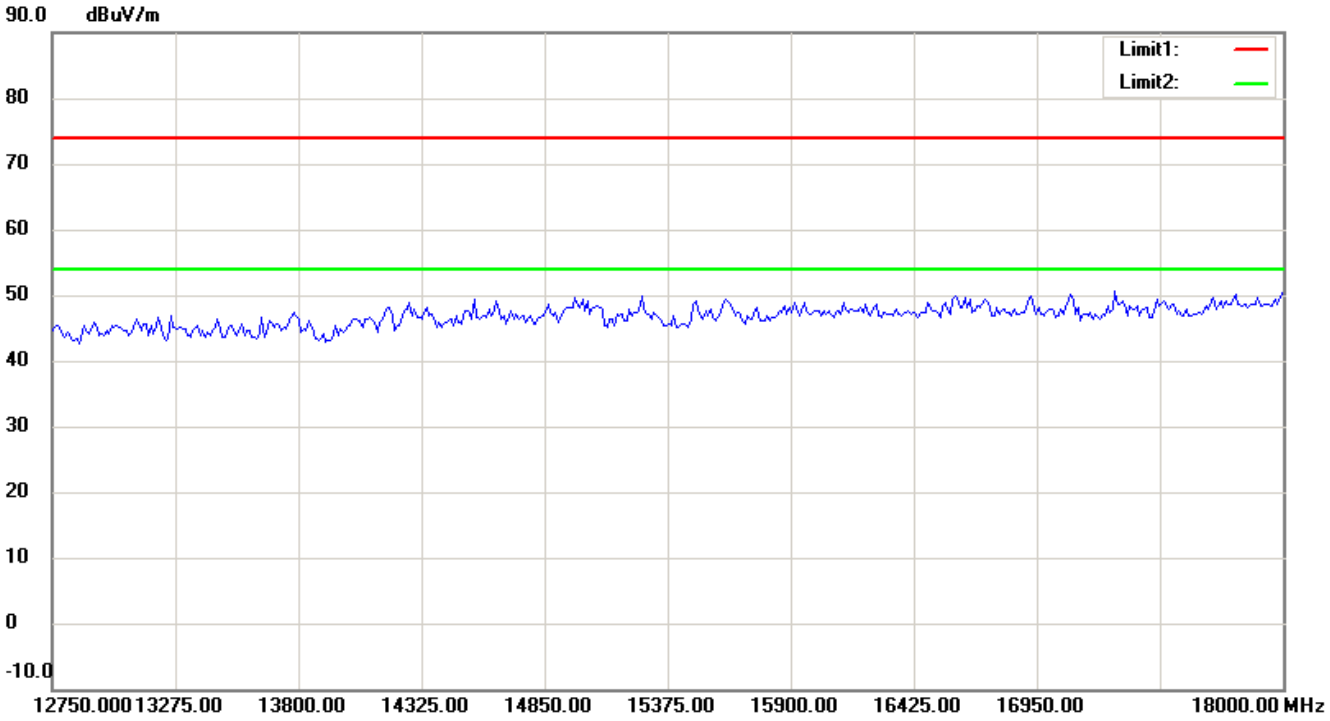
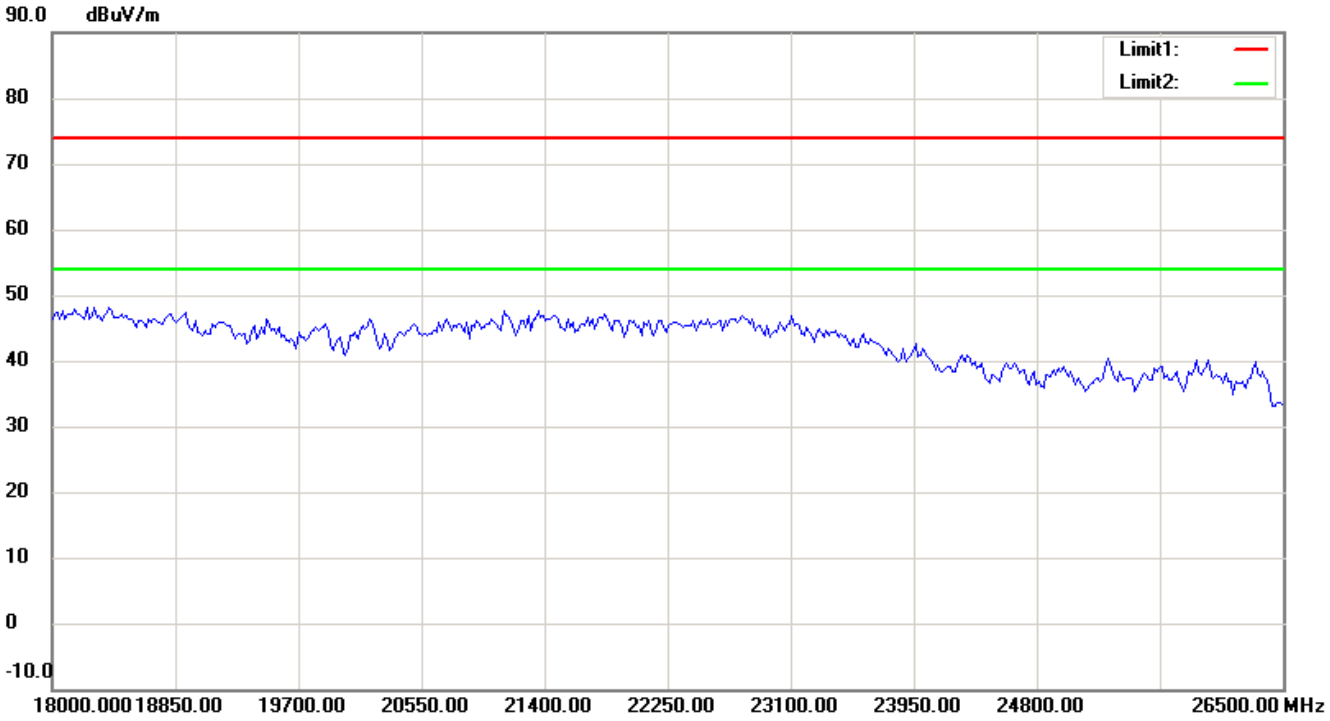
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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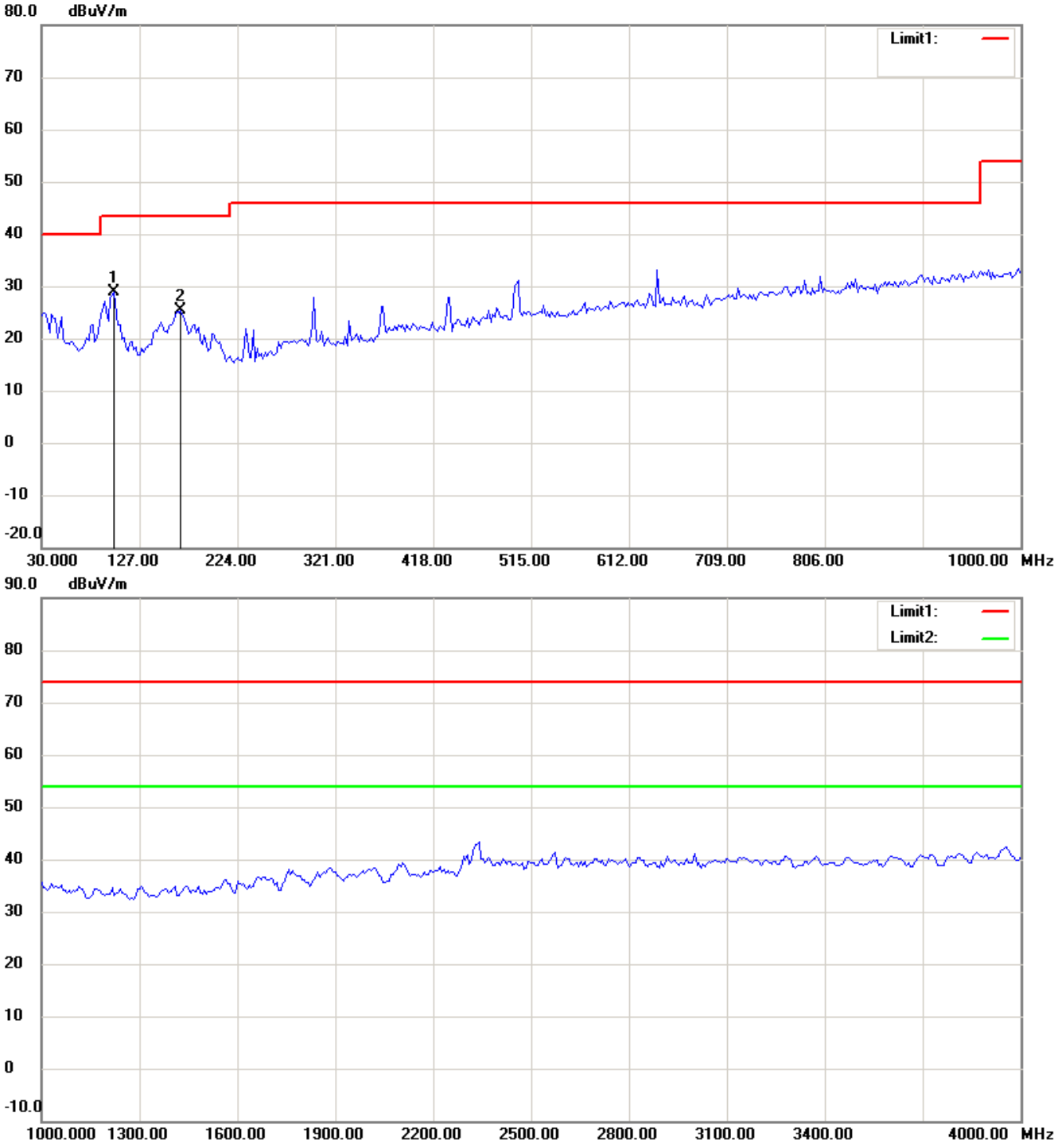
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna Polarization V



Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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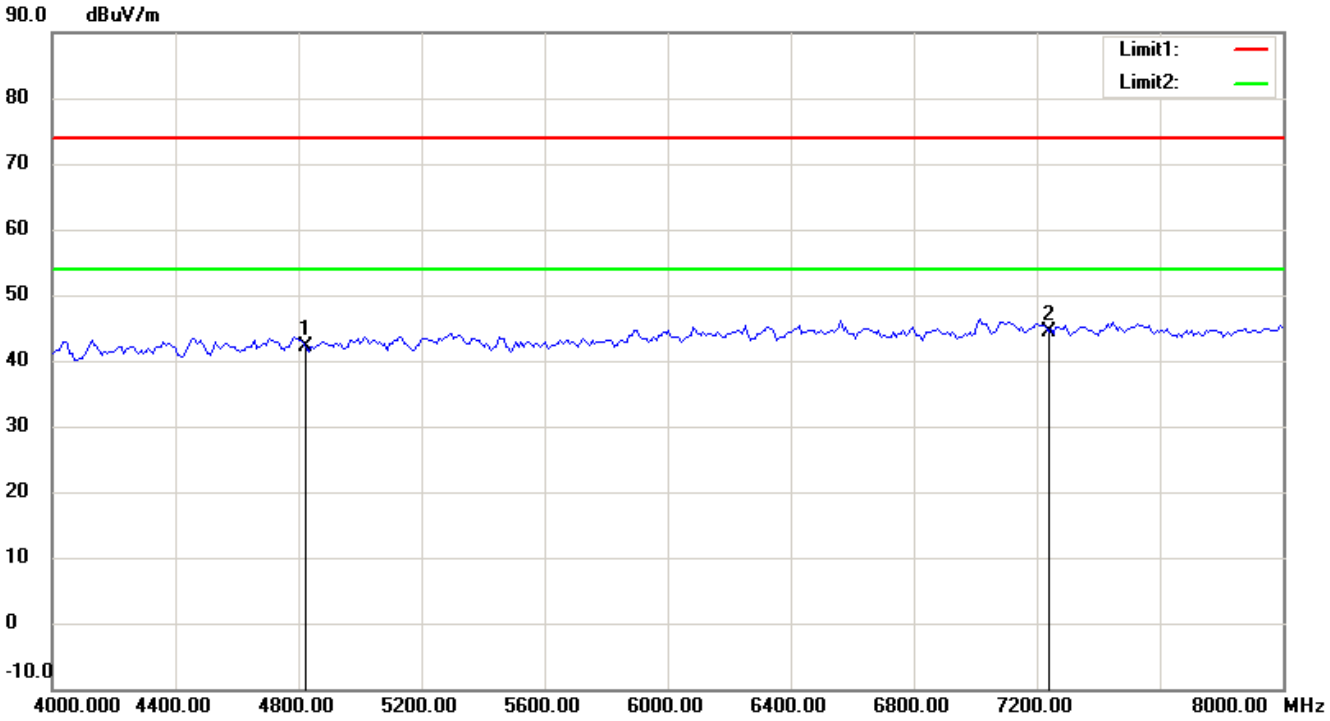
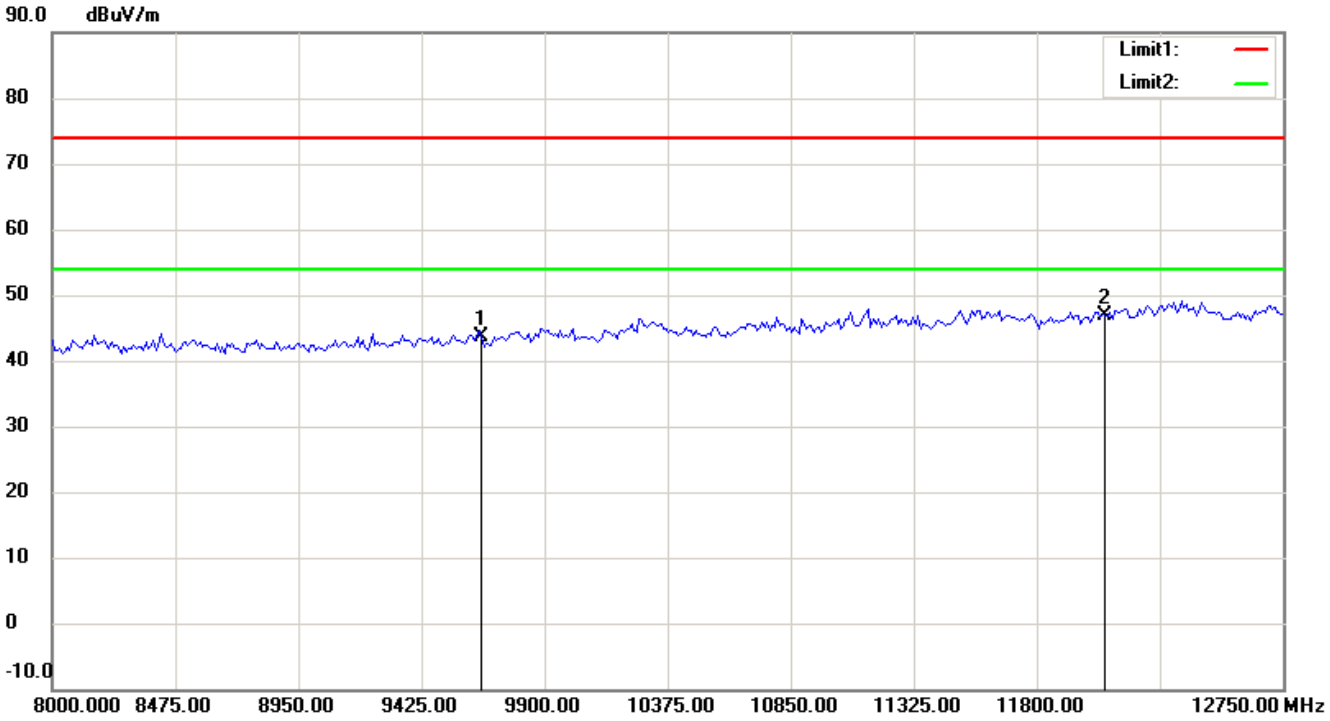
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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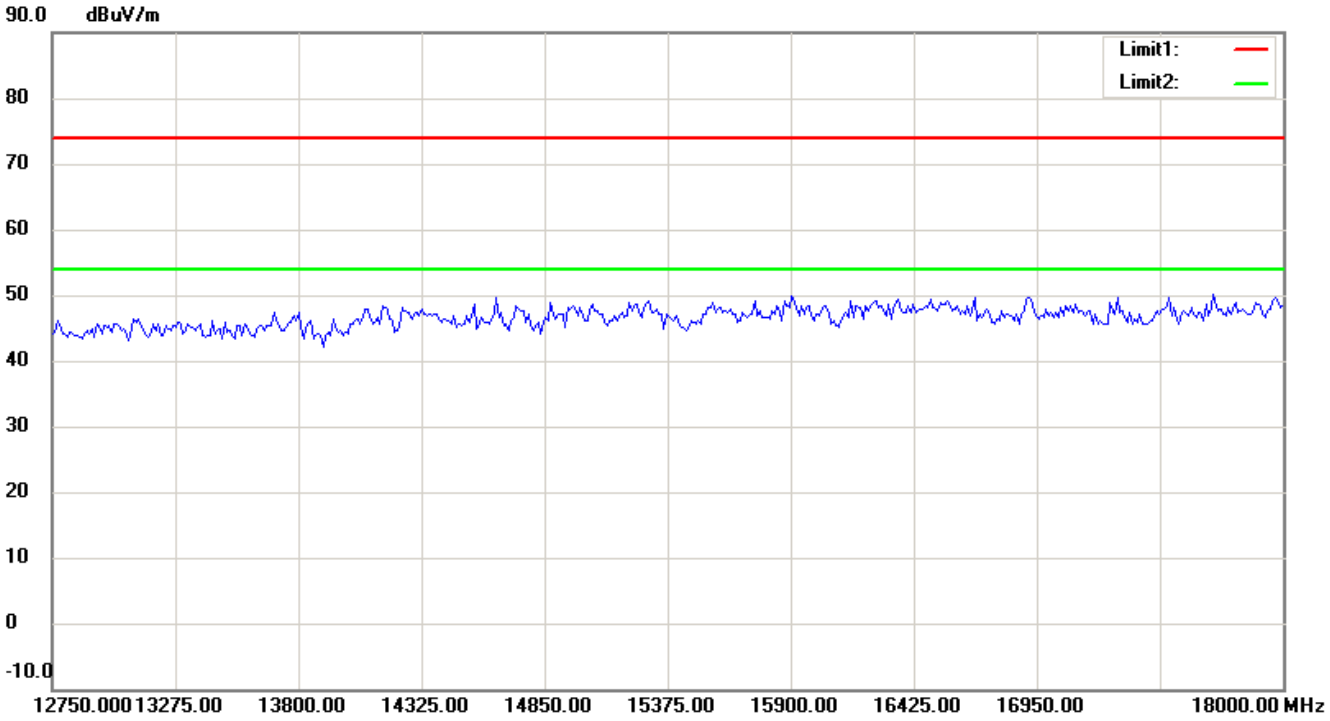
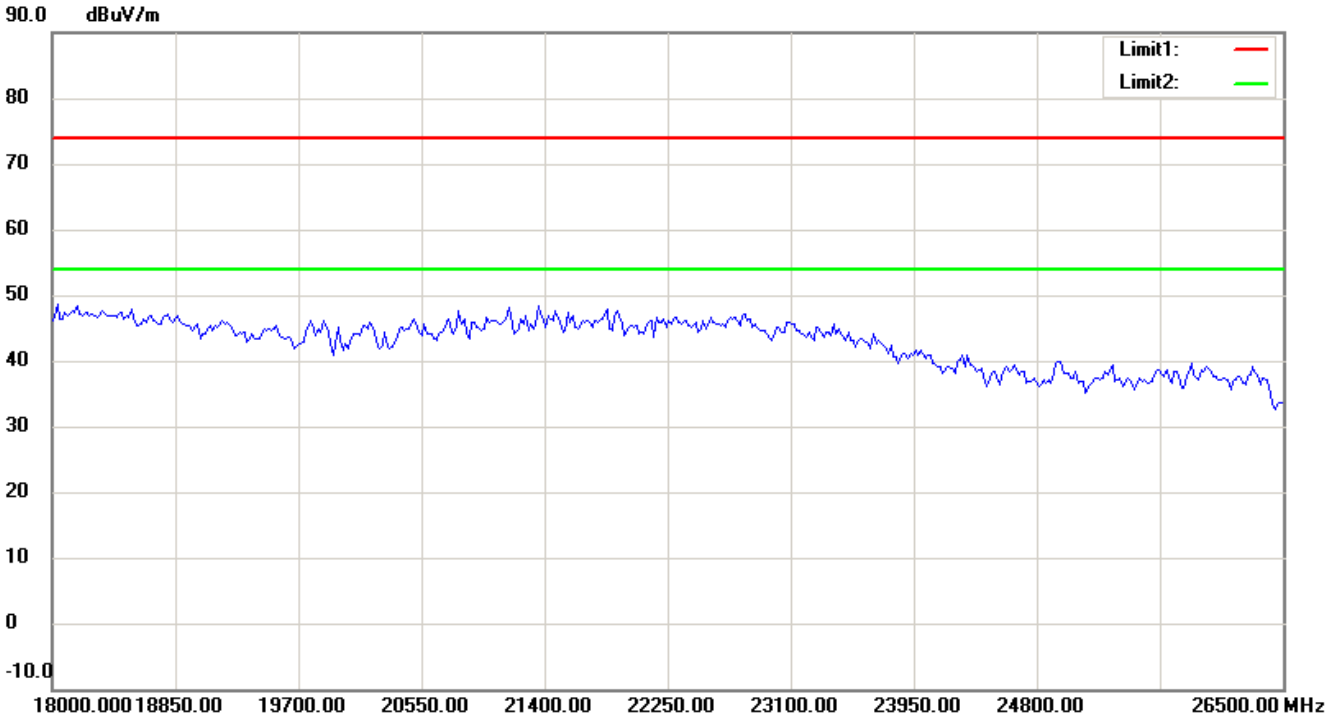
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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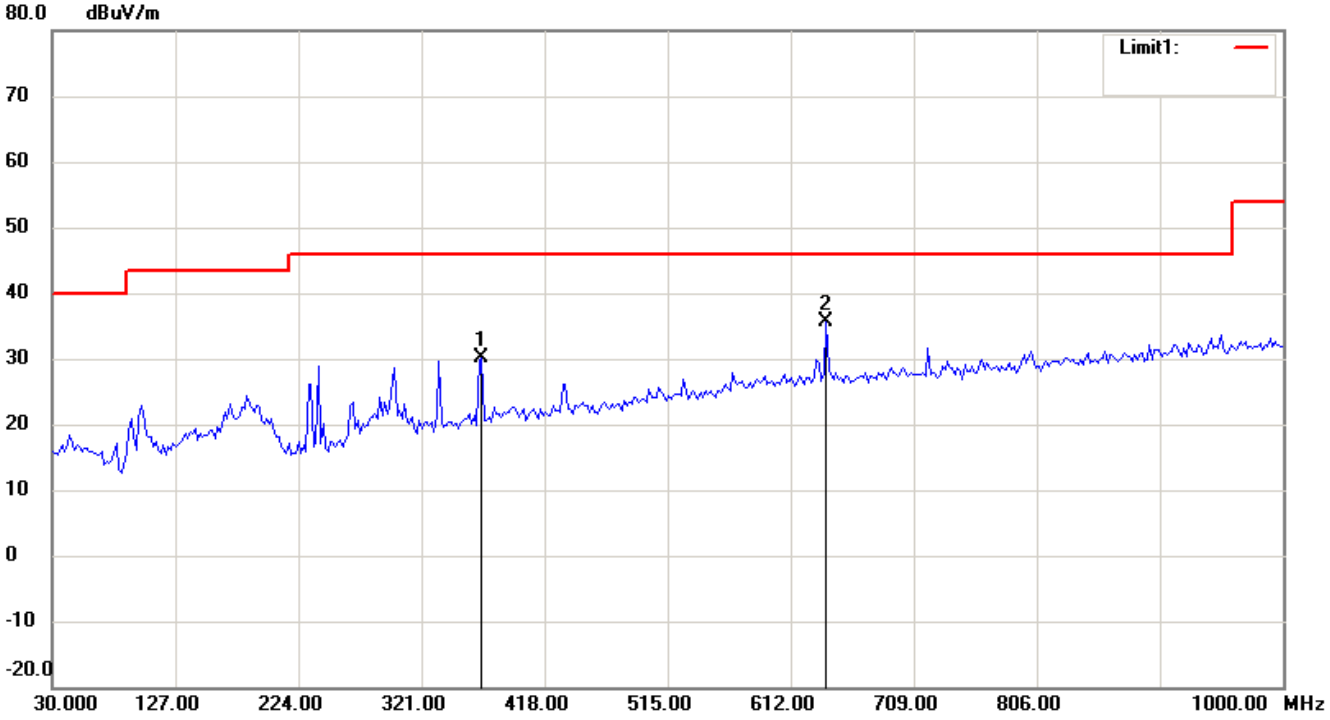
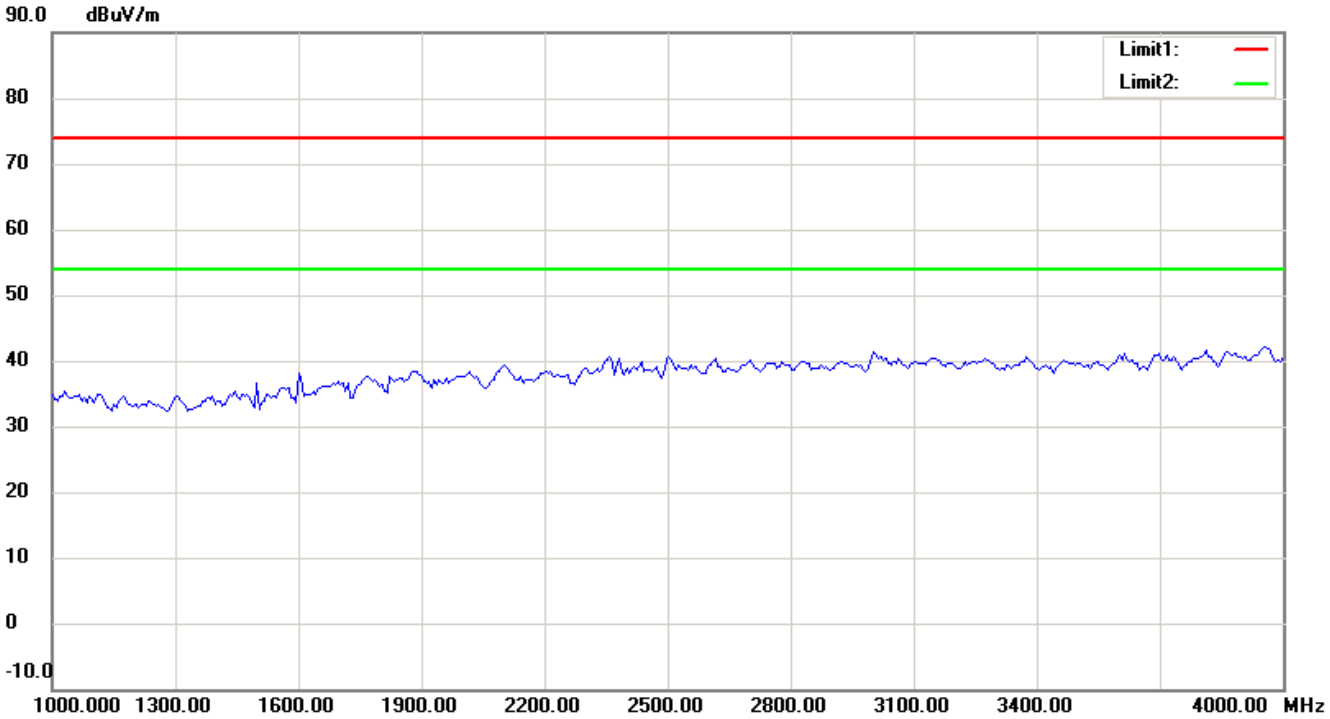
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11n 20MHz 2437MHz
Antenna Polarization H





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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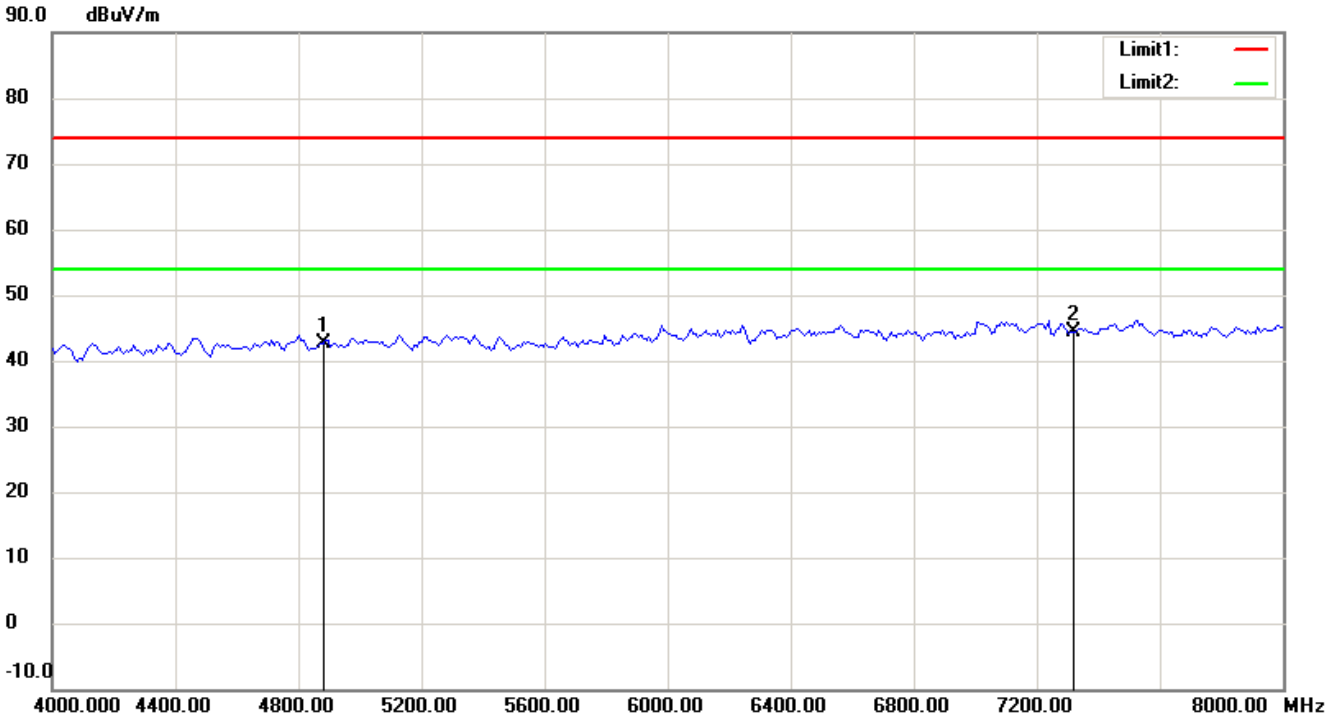
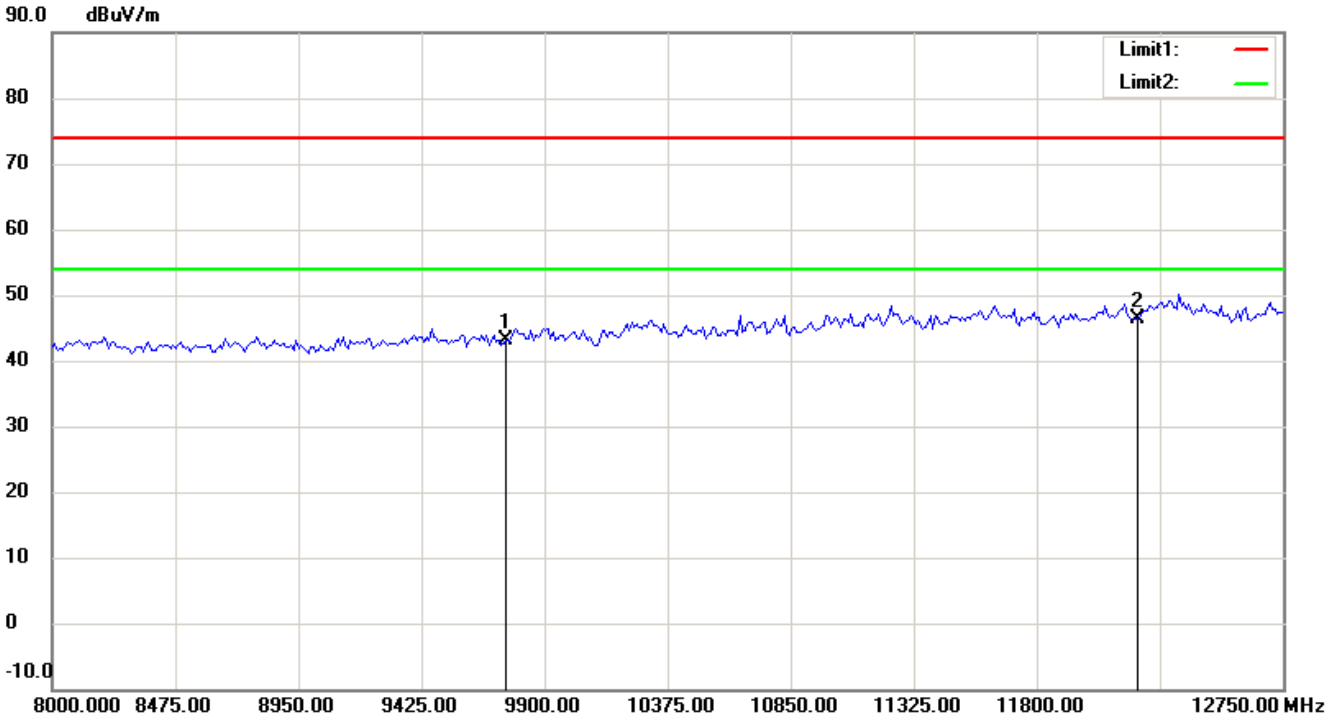
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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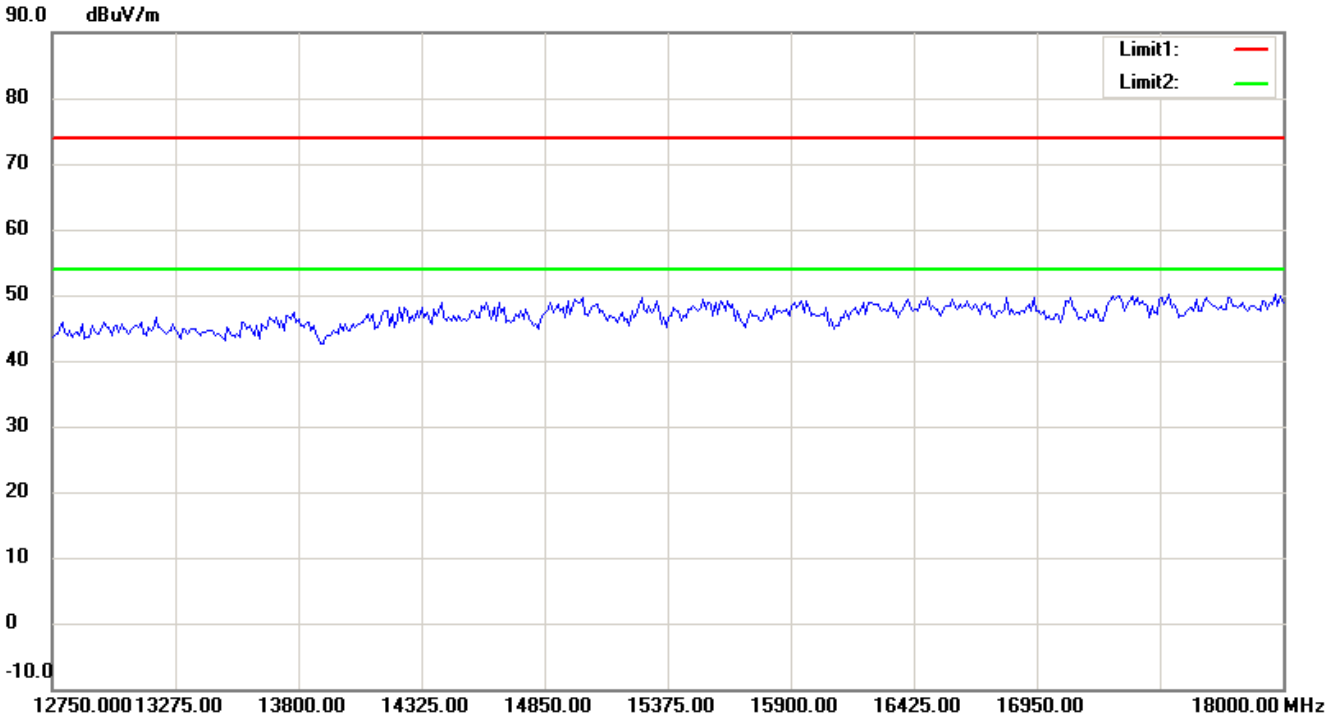
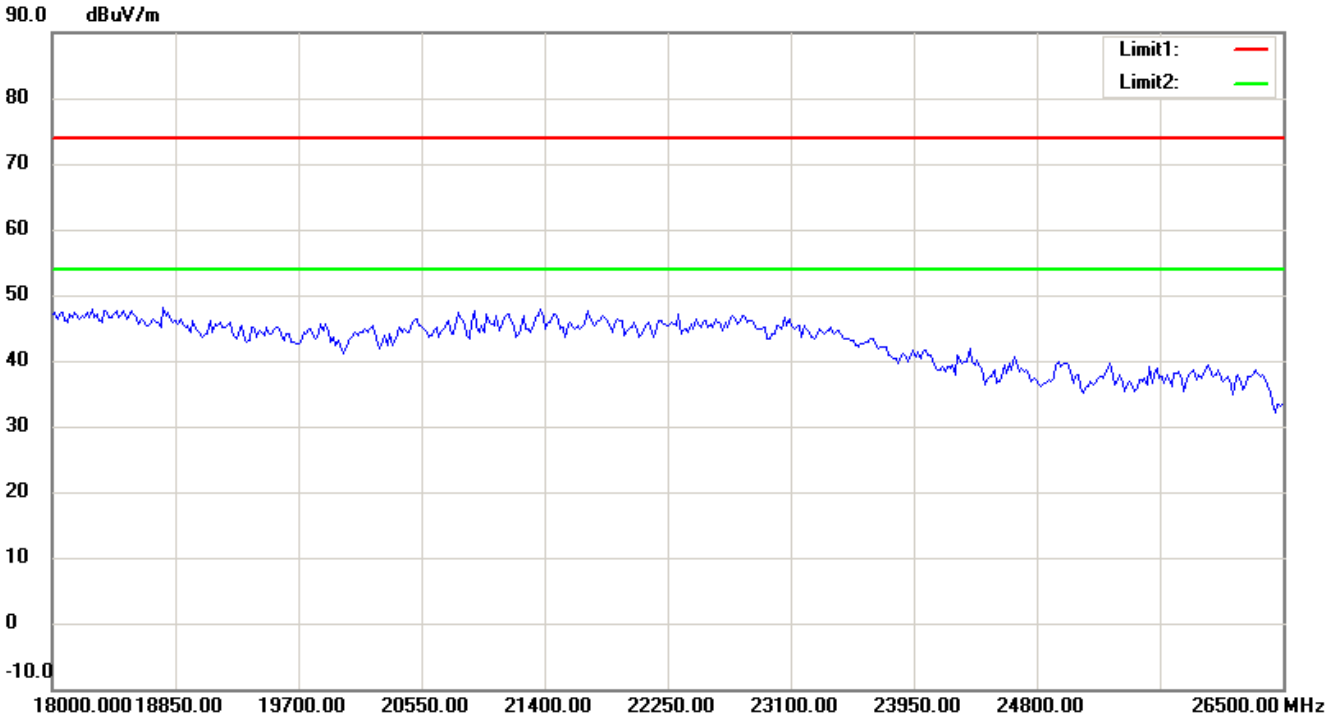
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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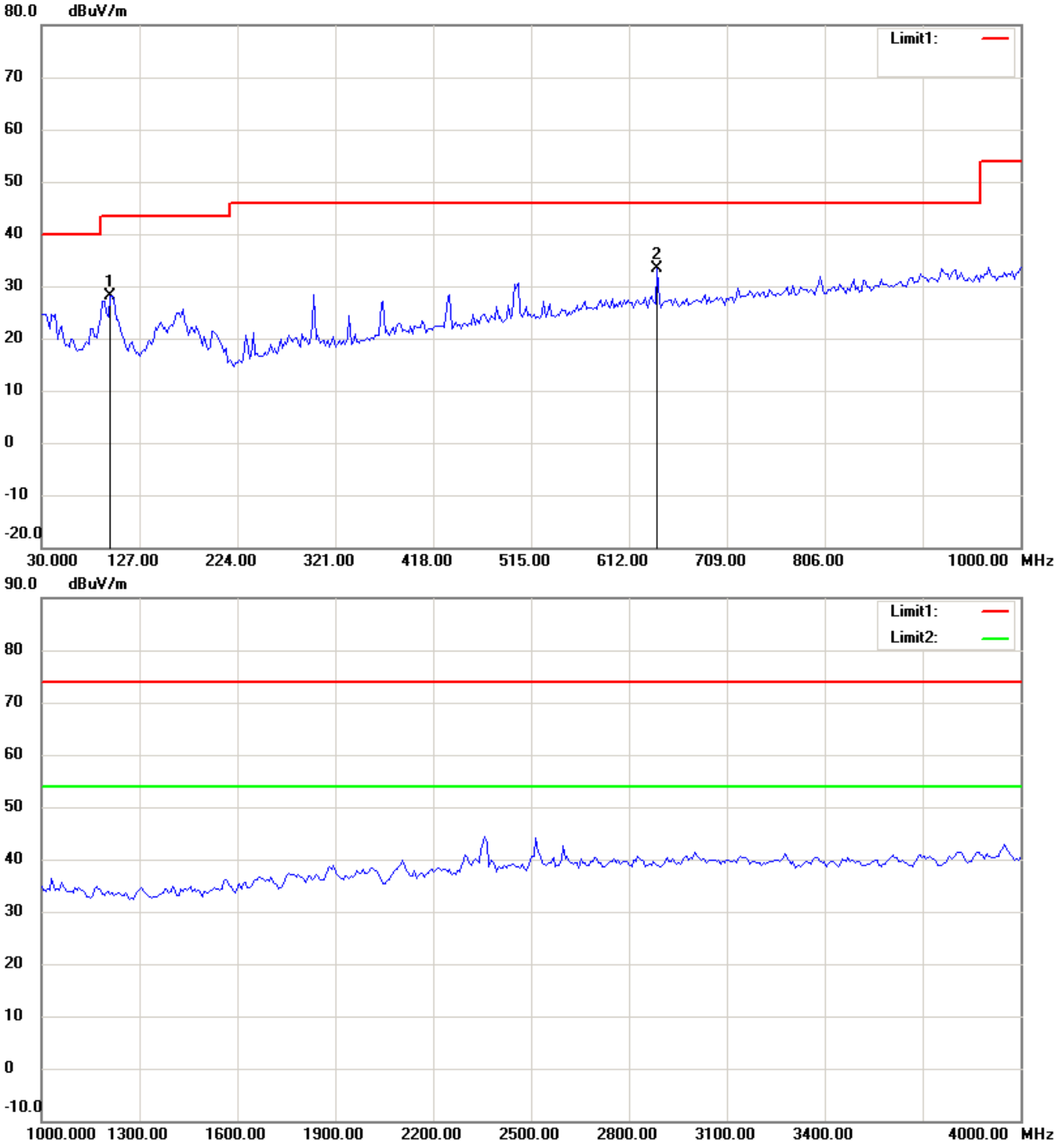
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

Antenna Polarization V



Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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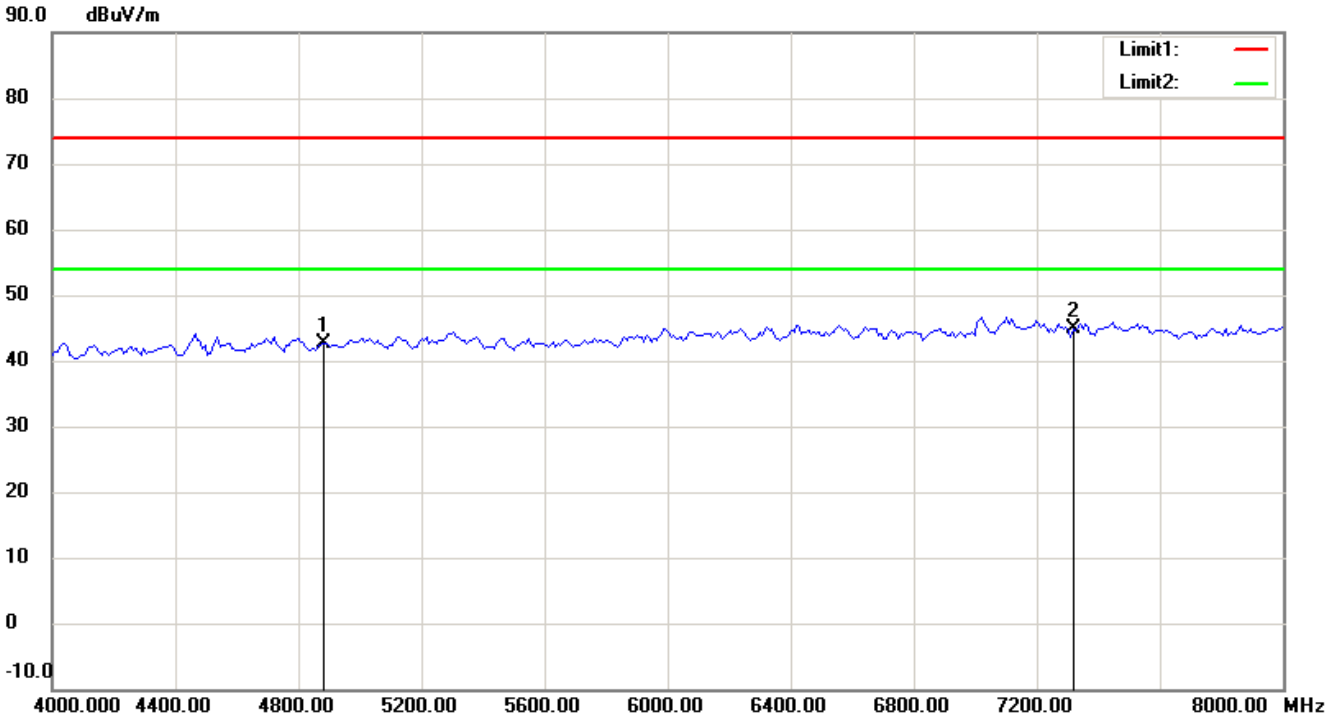
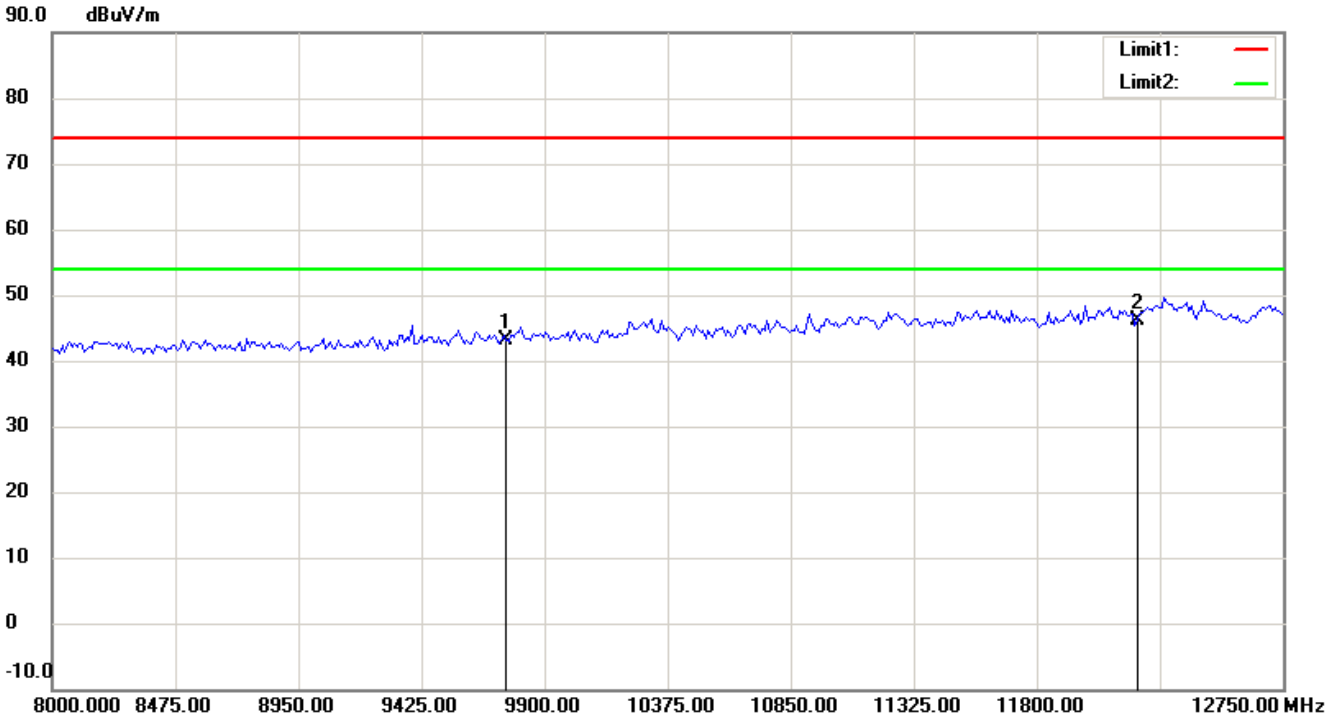
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

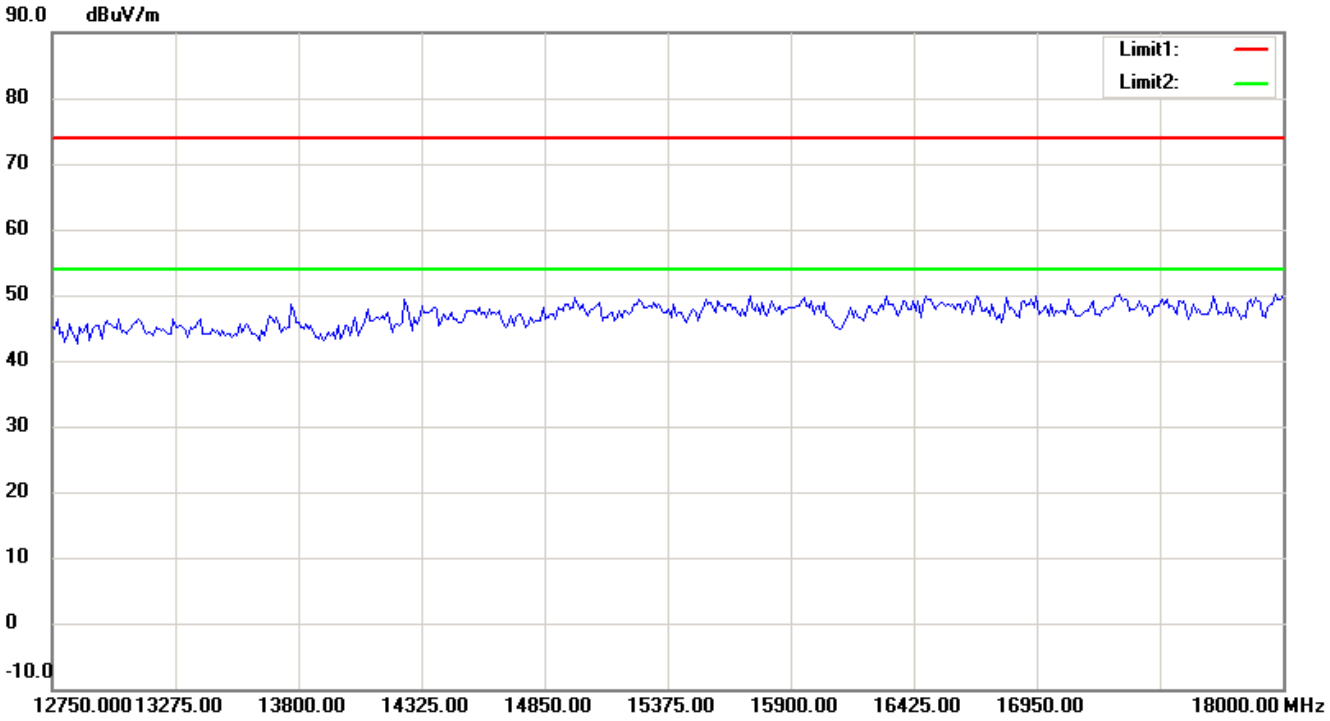


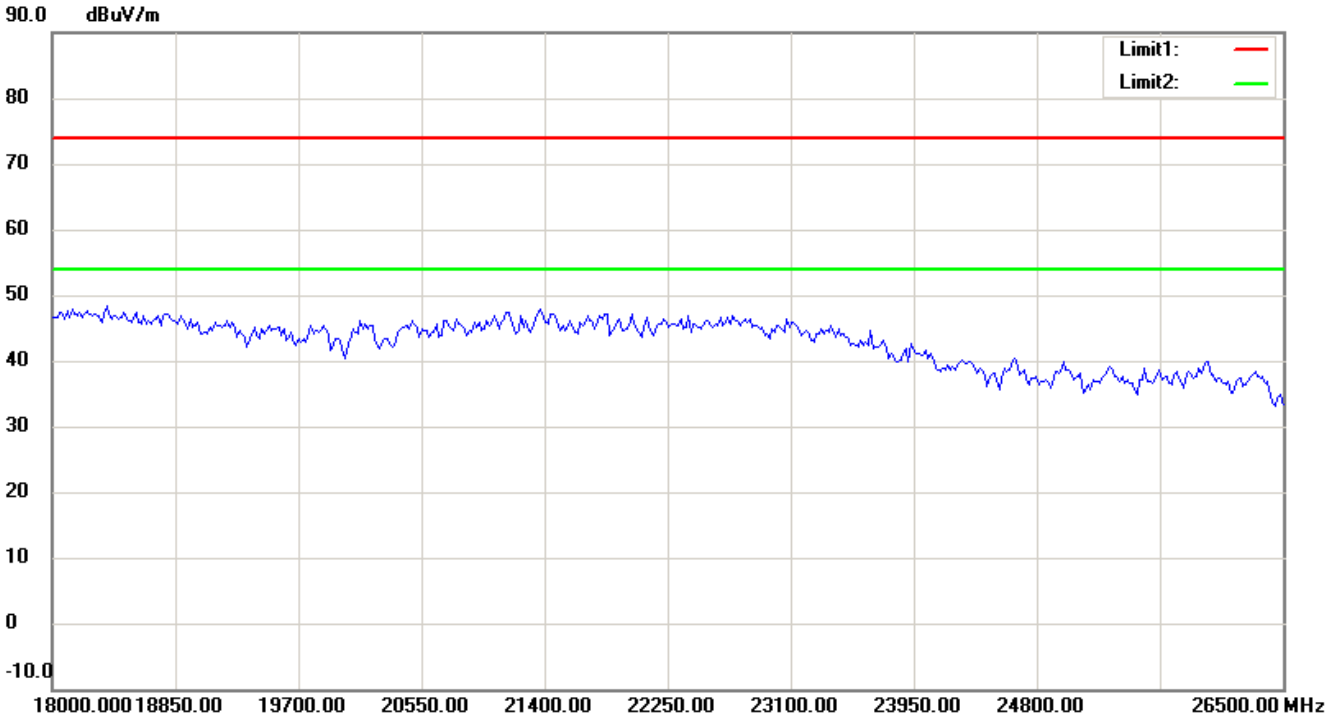


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



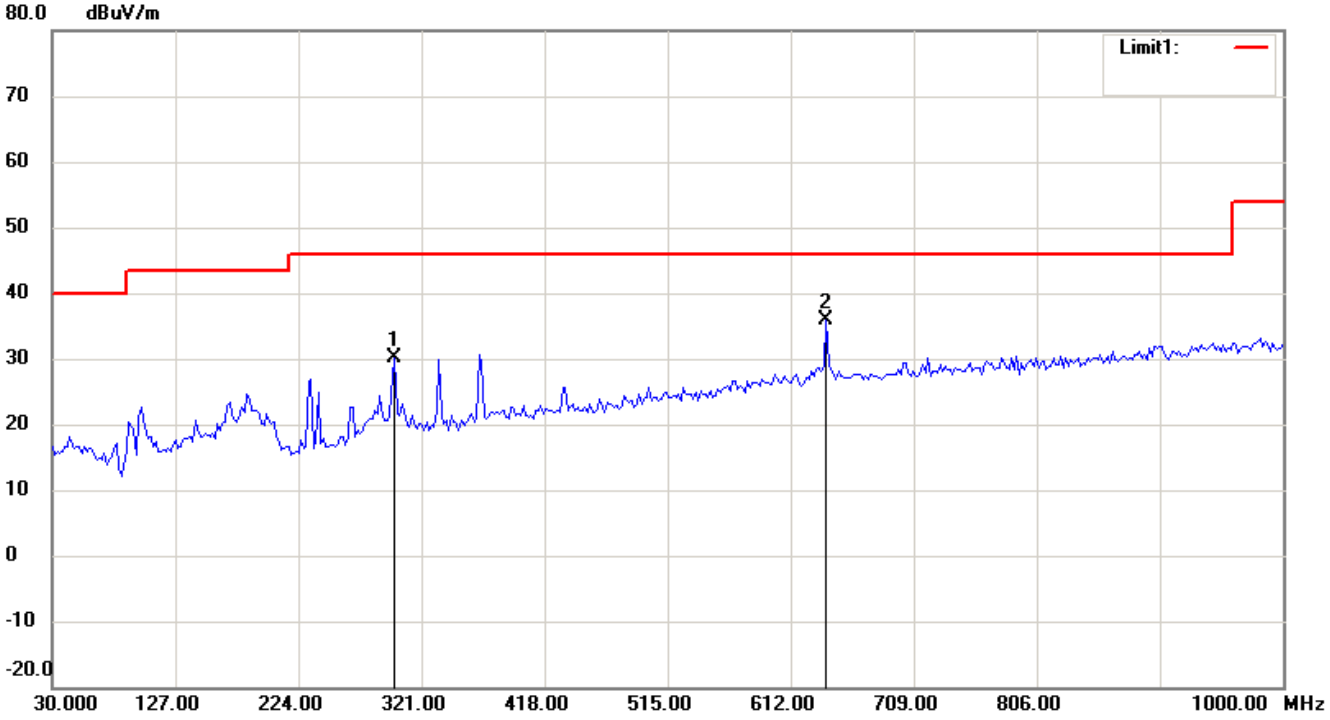


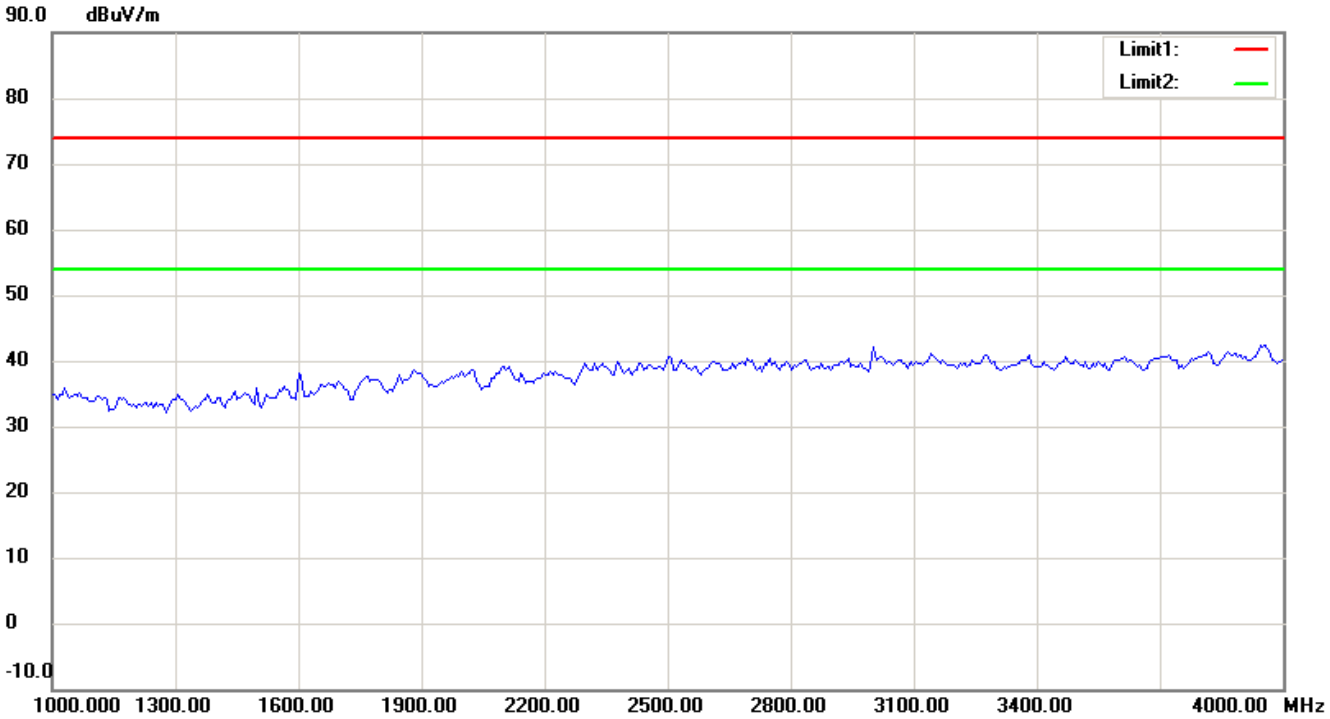
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

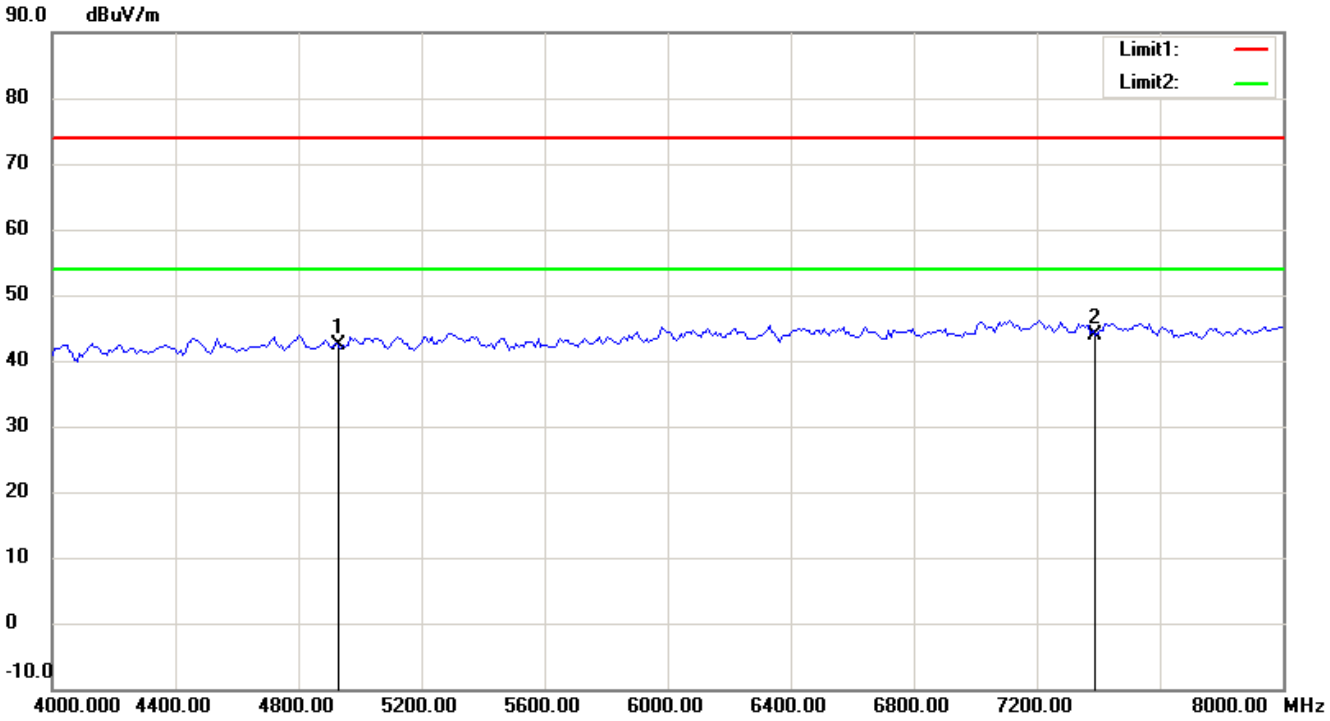
802.11n 20MHz 2462MHz
Antenna Polarization H

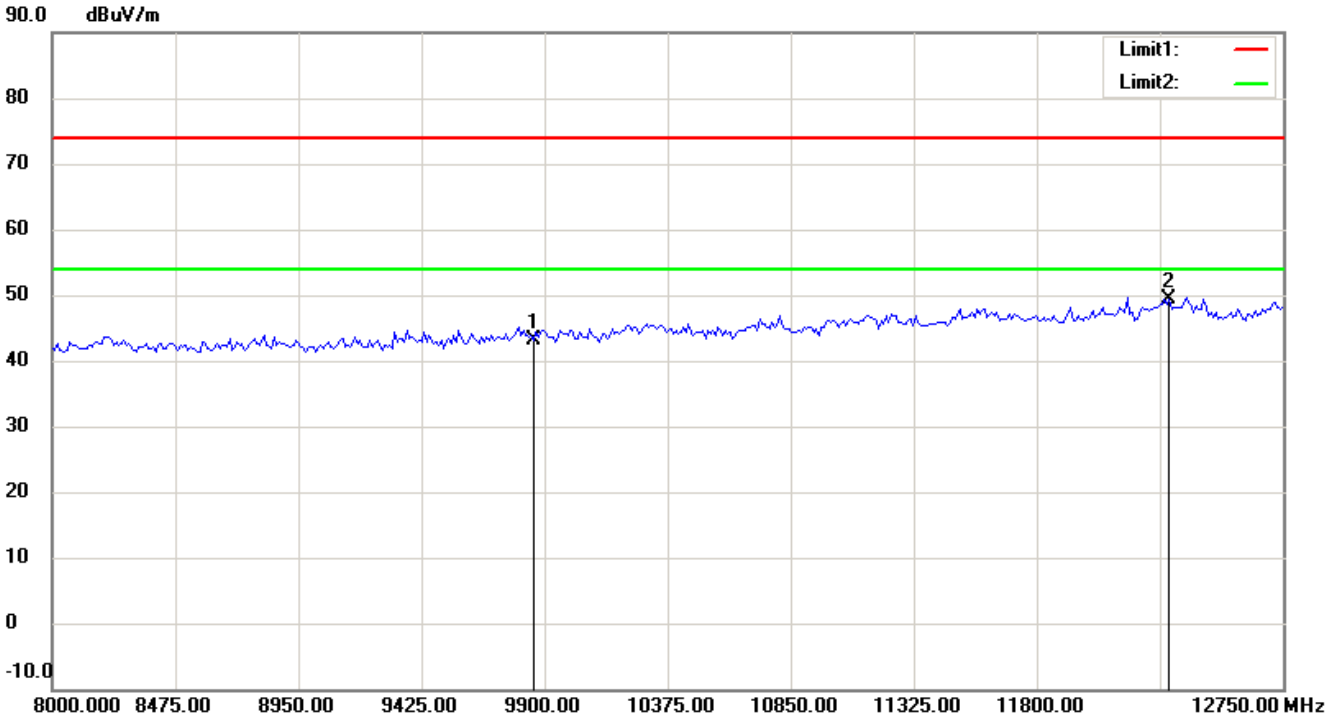




Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

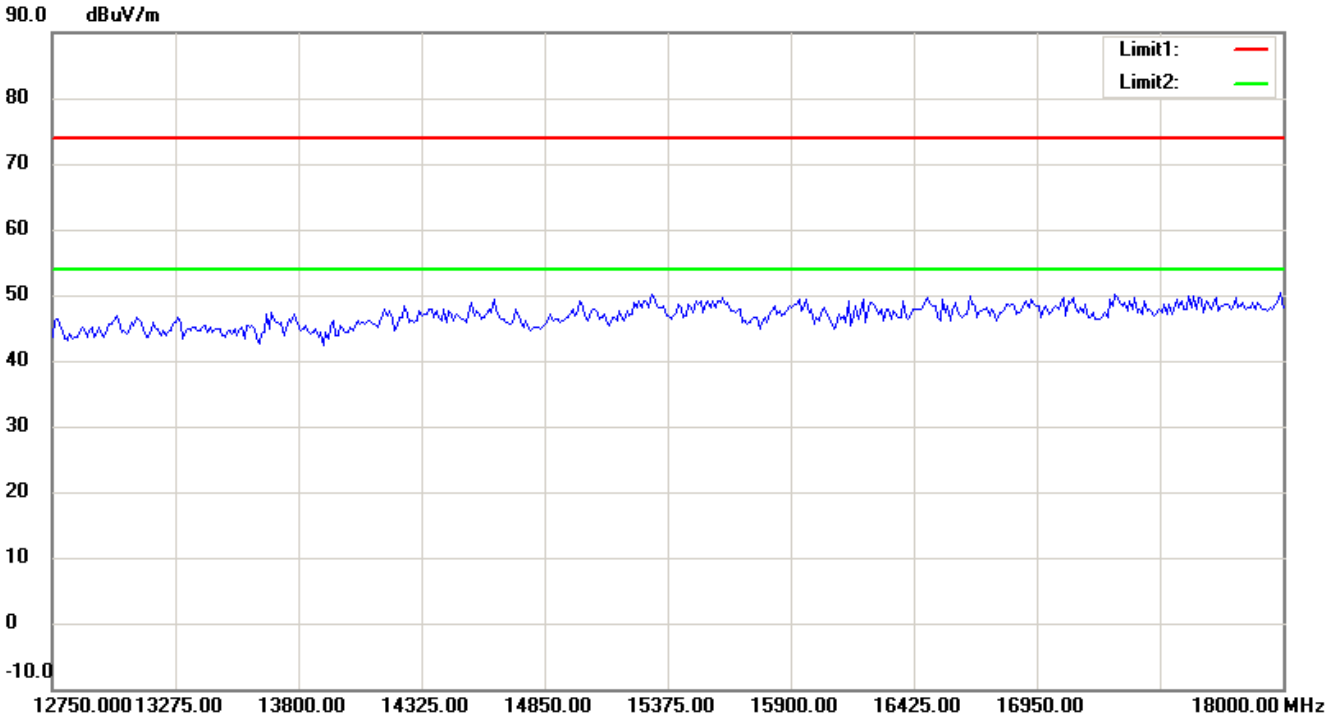


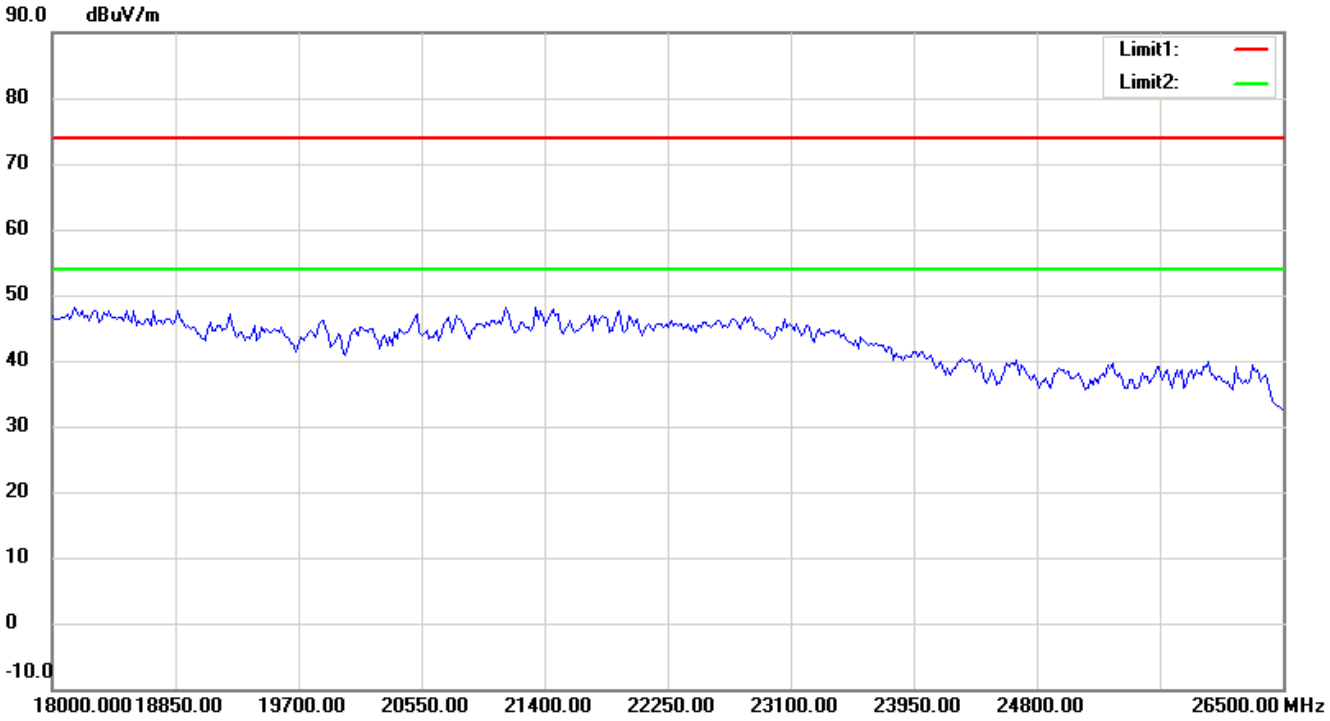


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



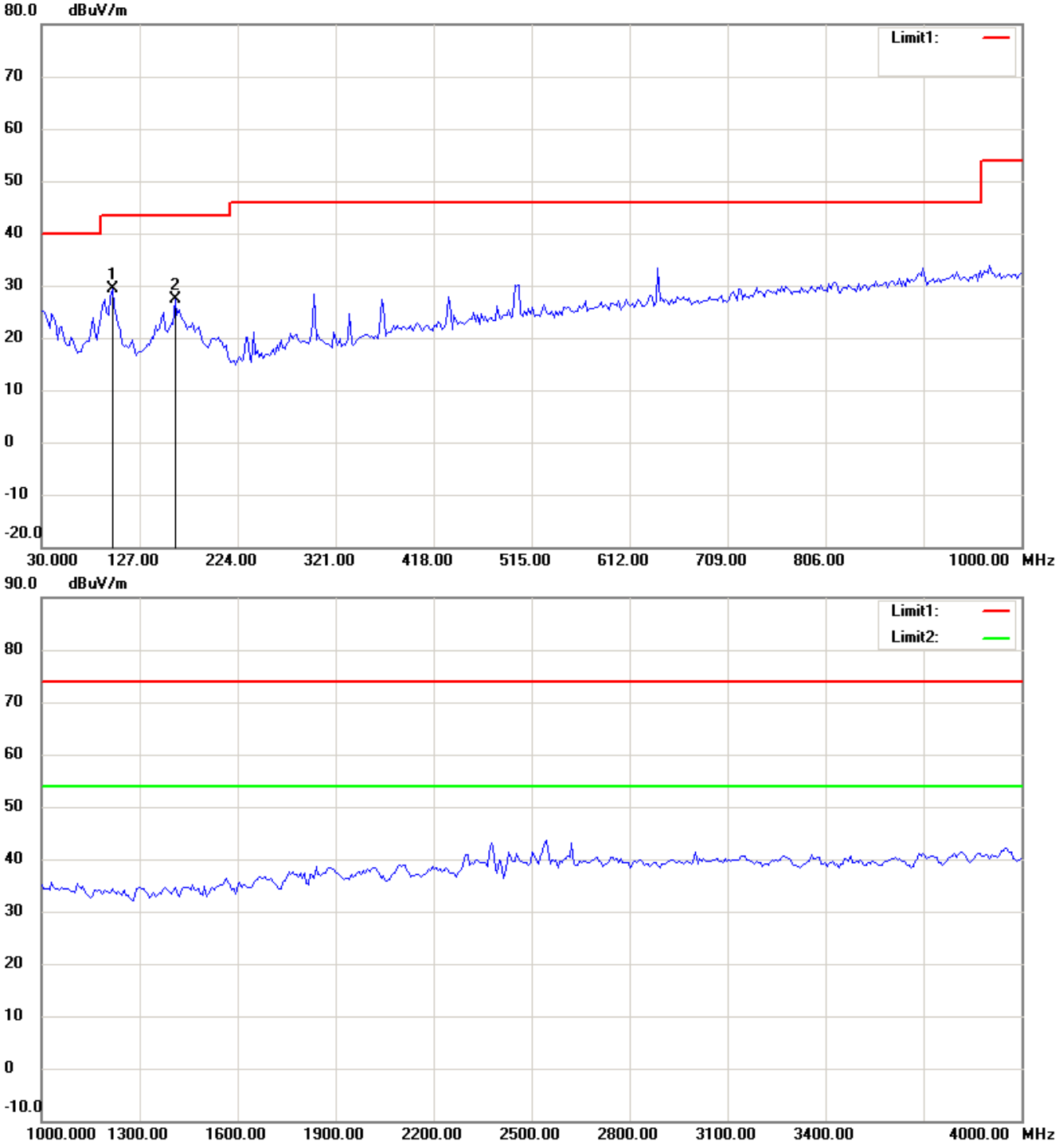


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

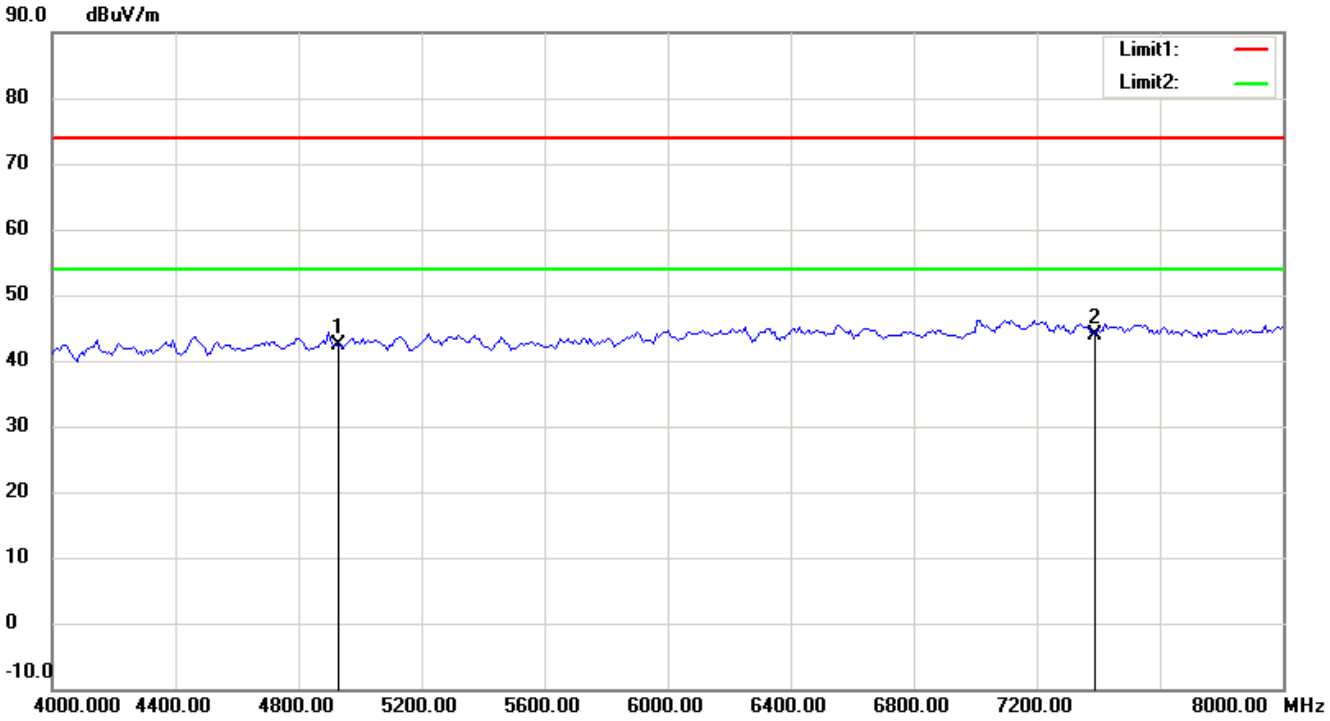
Antenna Polarization V

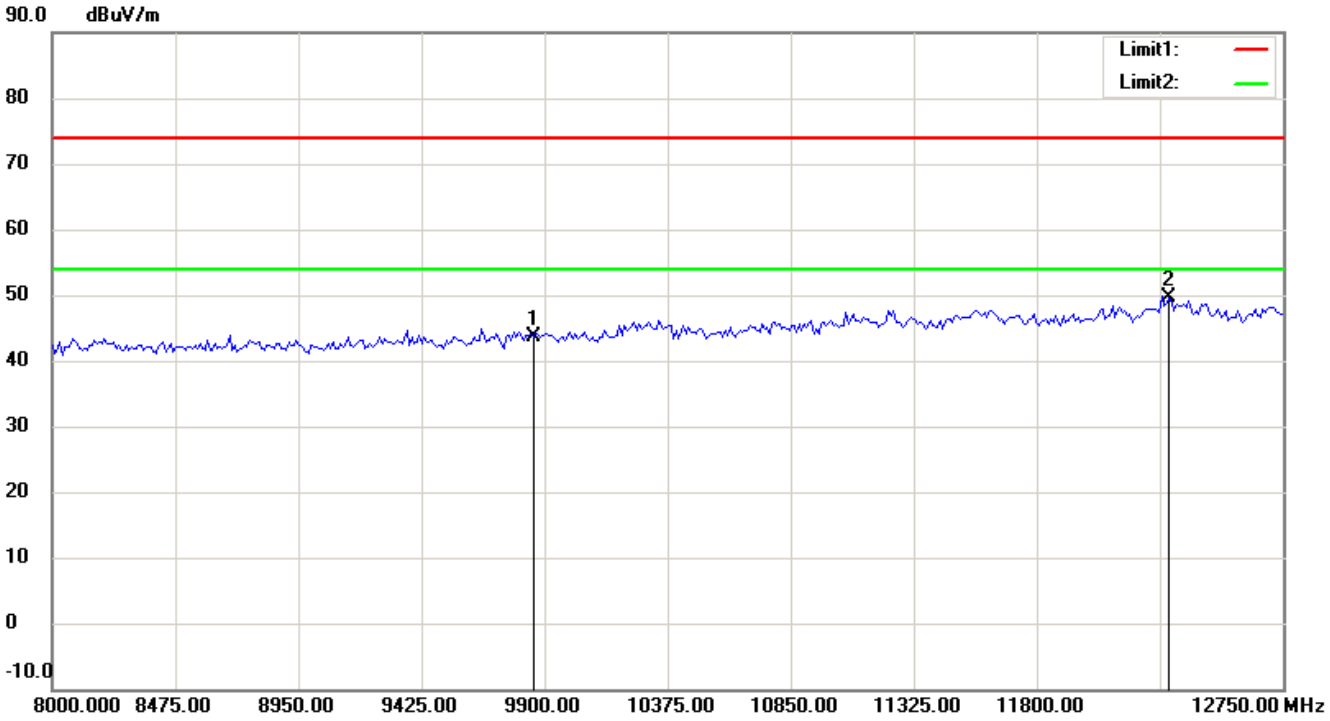


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

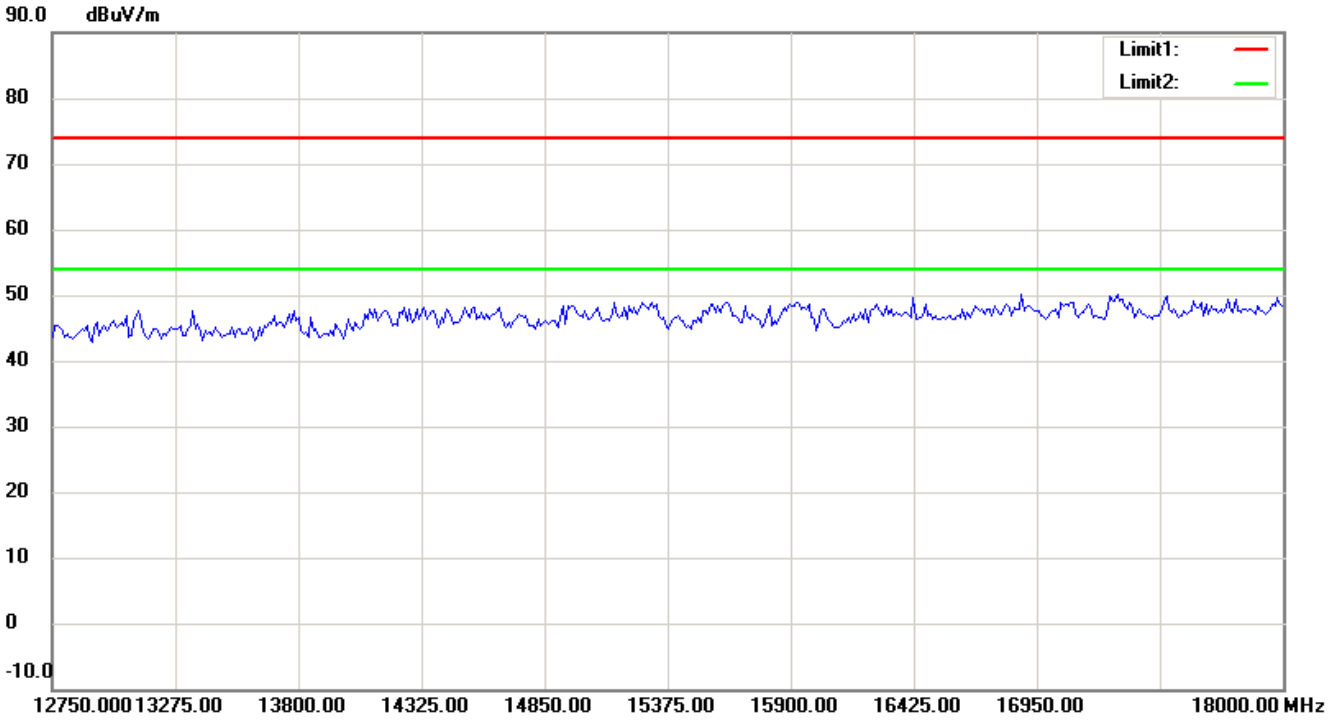


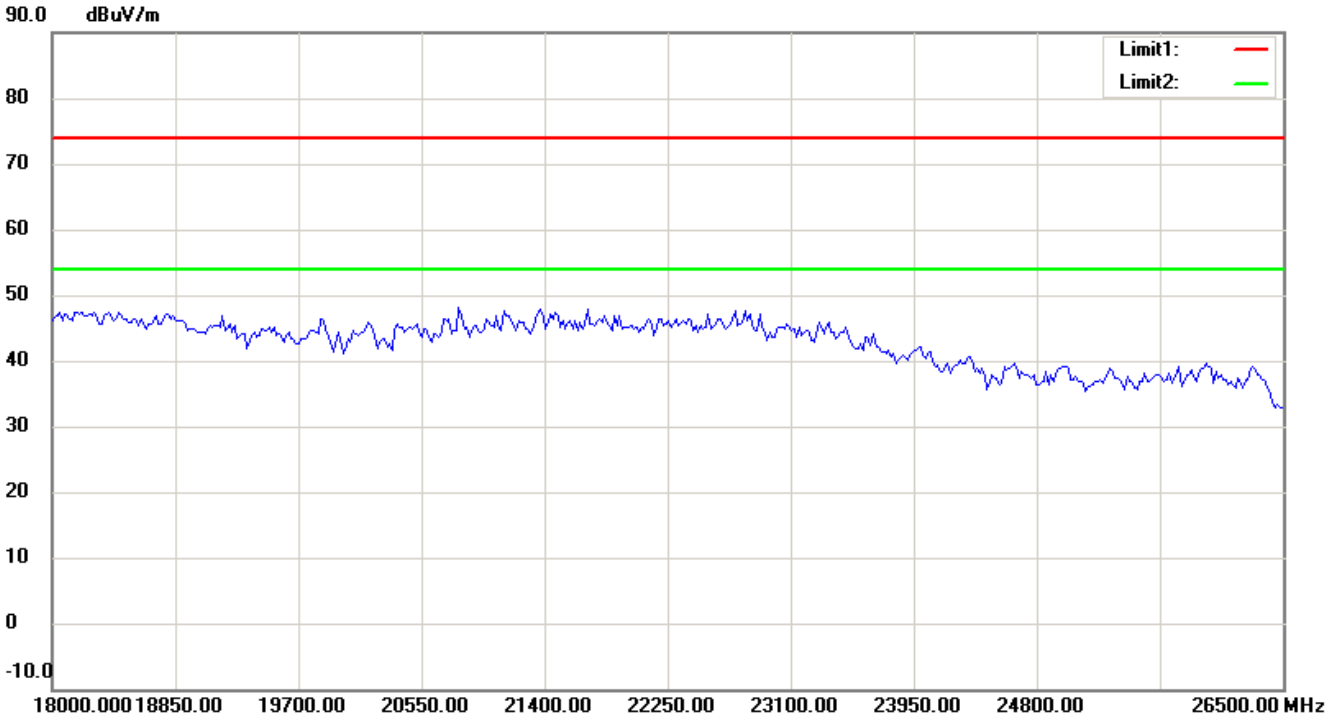


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



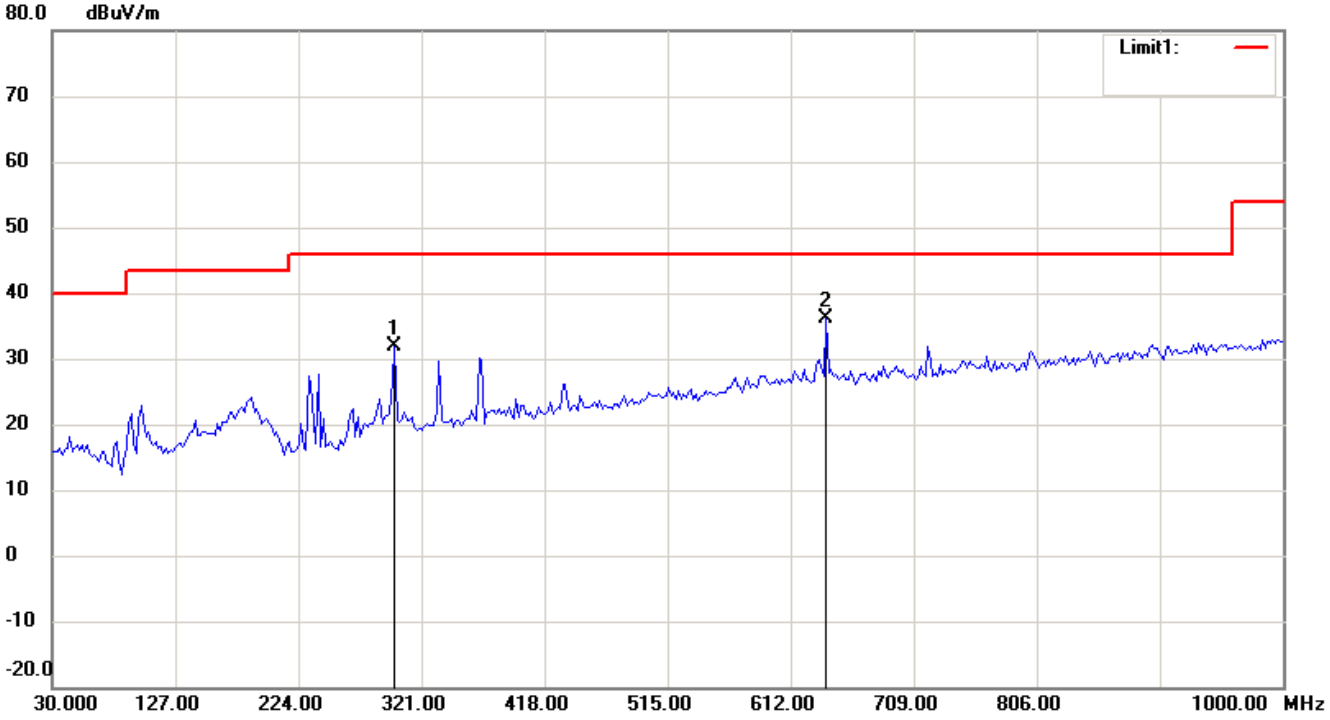


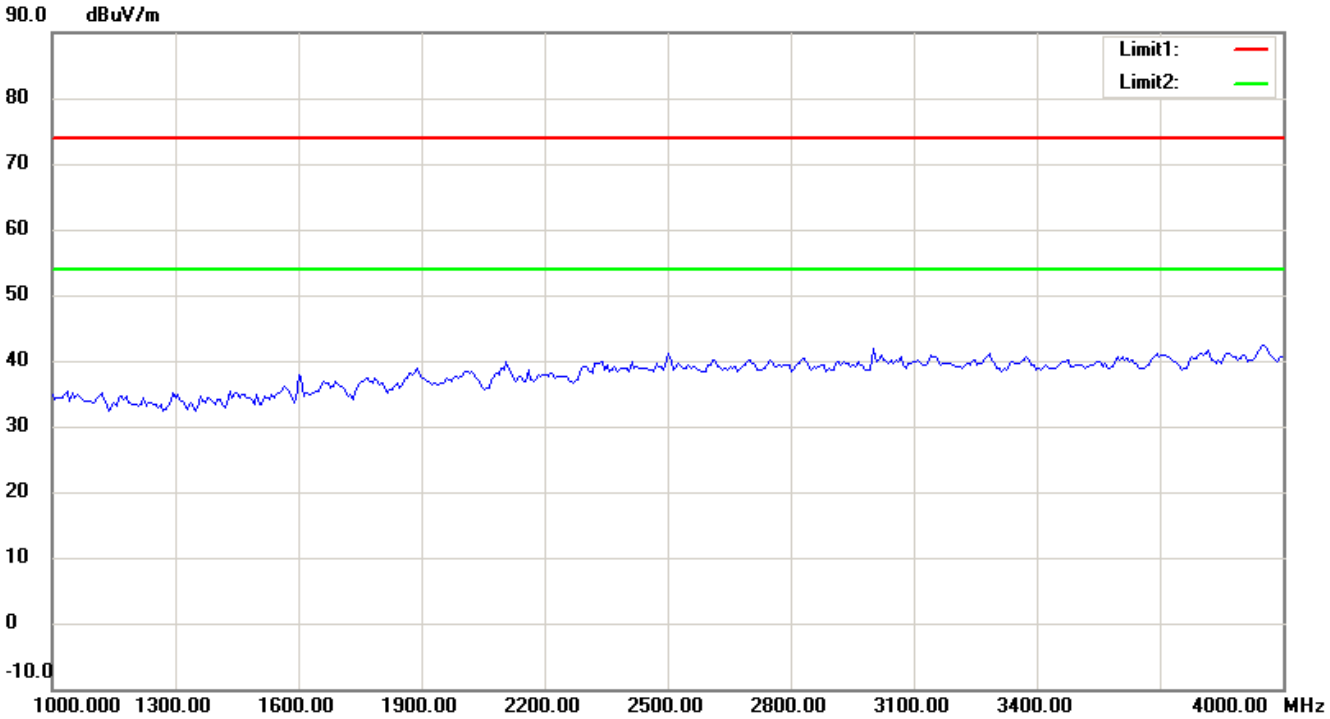
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11n 40MHz 2422MHz
Antenna Polarization H

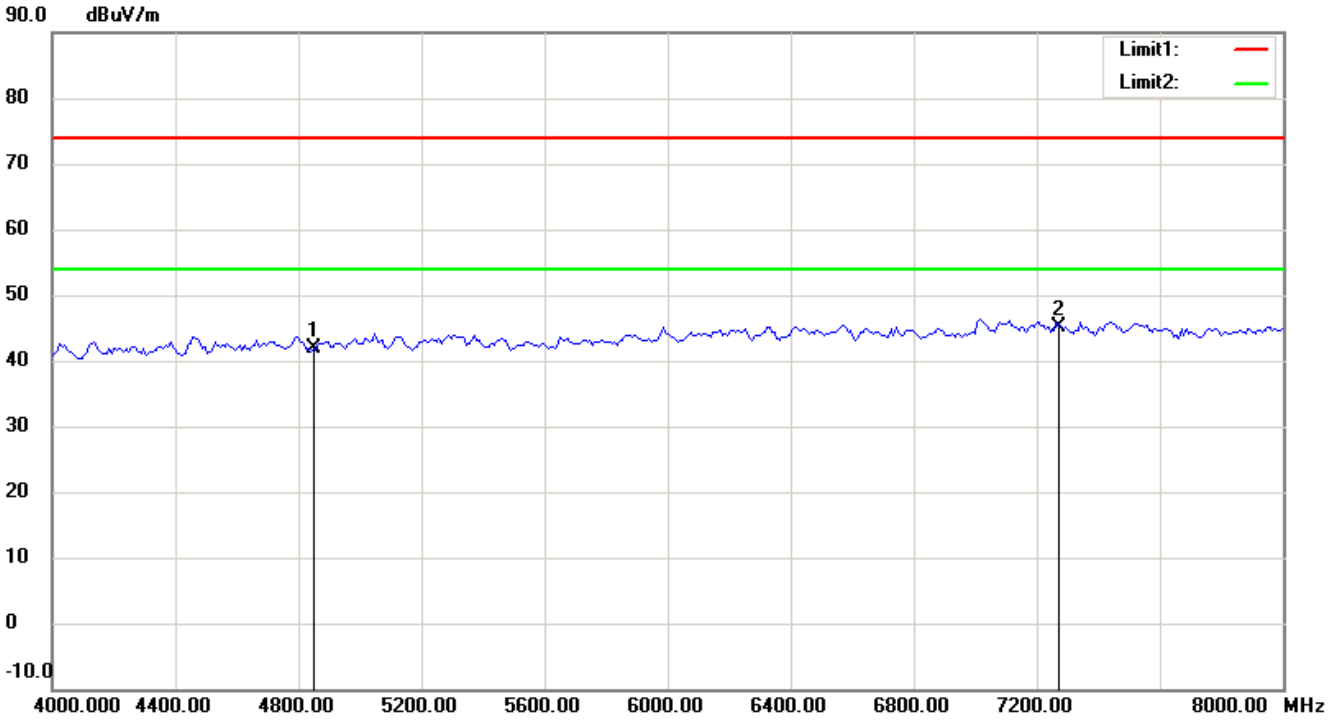


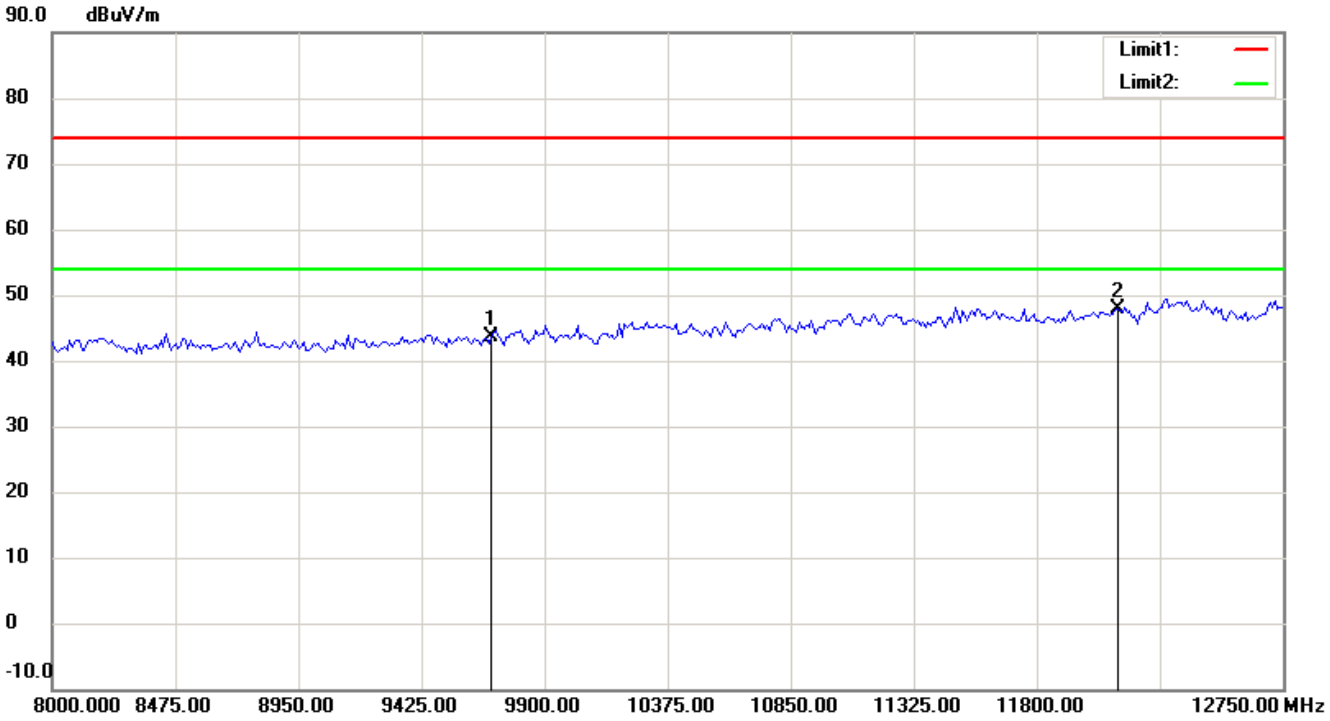


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

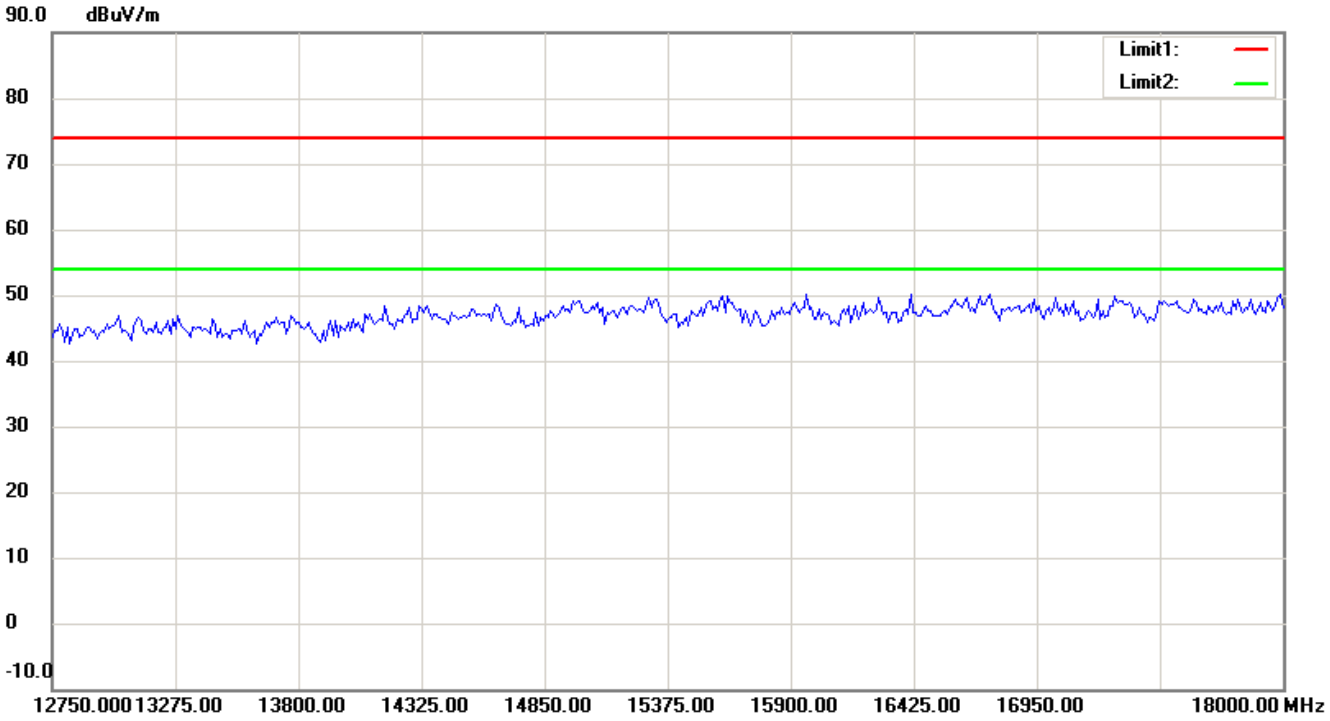


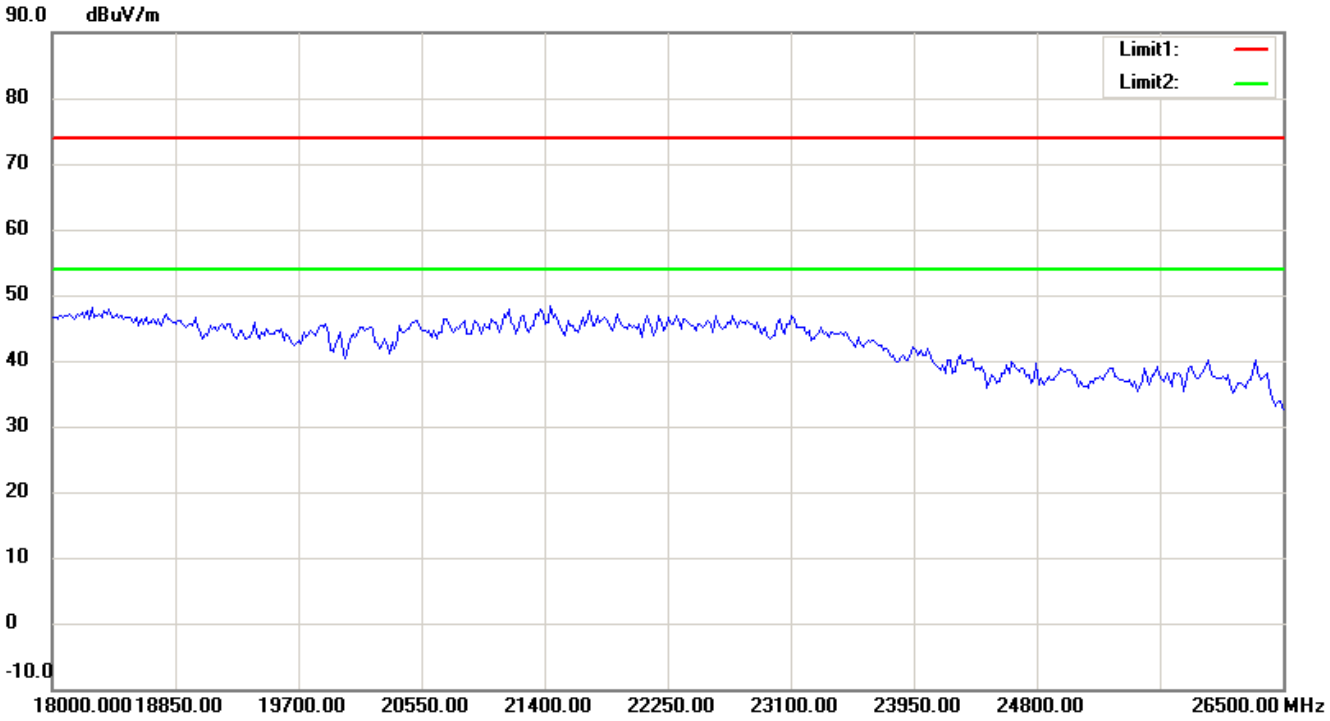


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



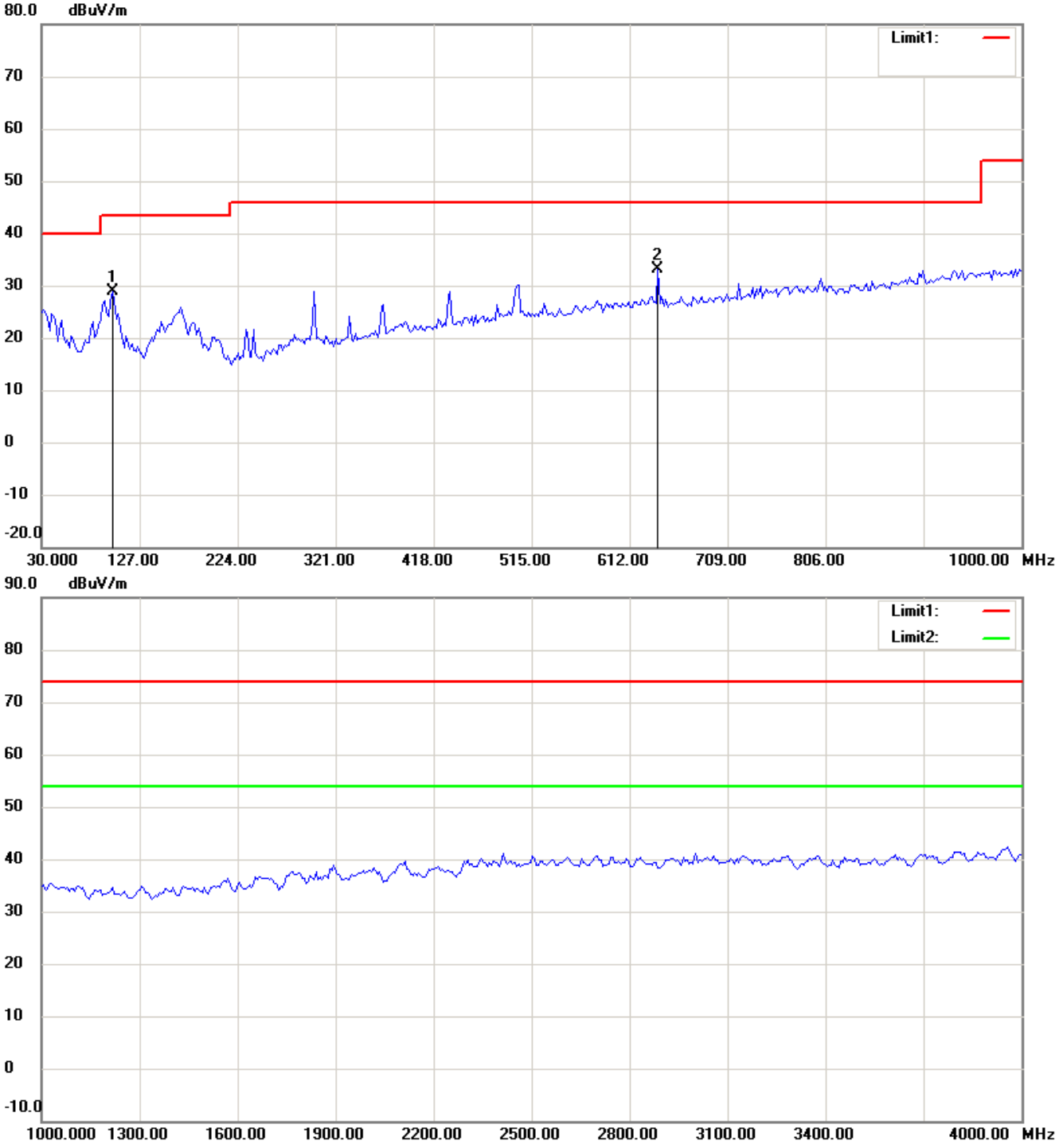


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

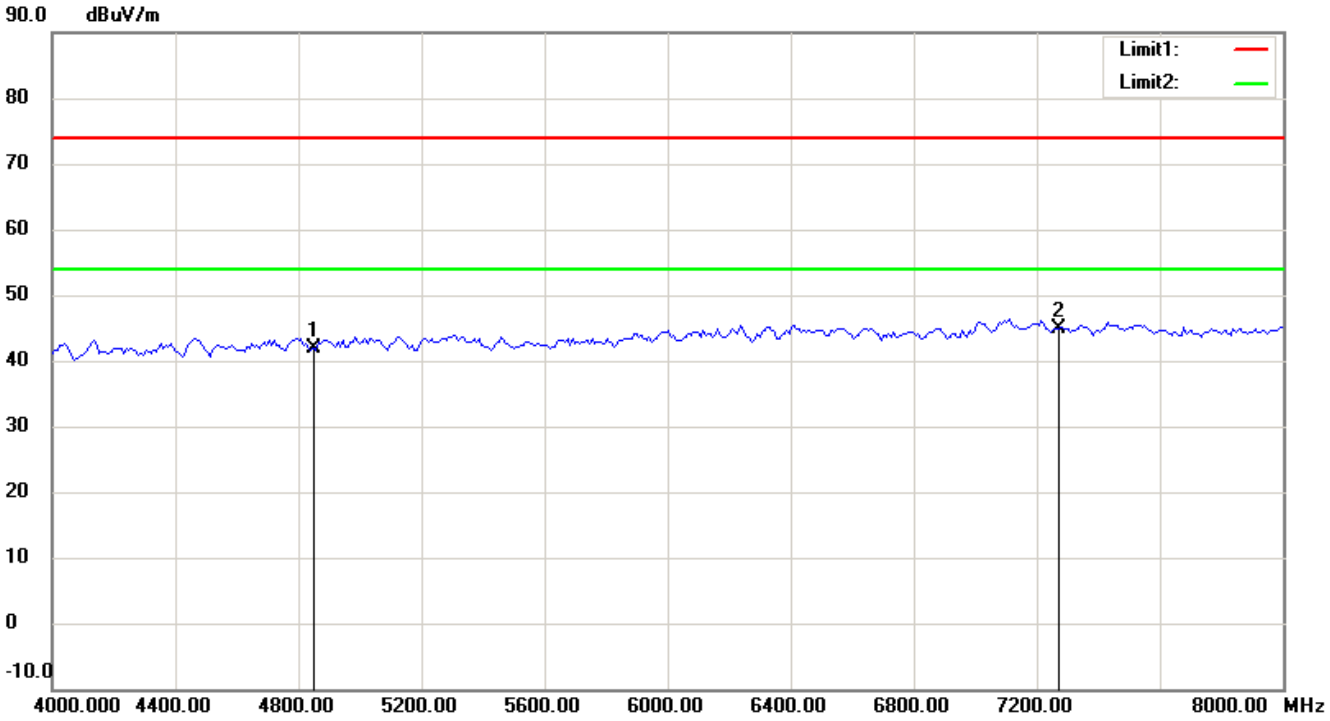
Antenna Polarization V

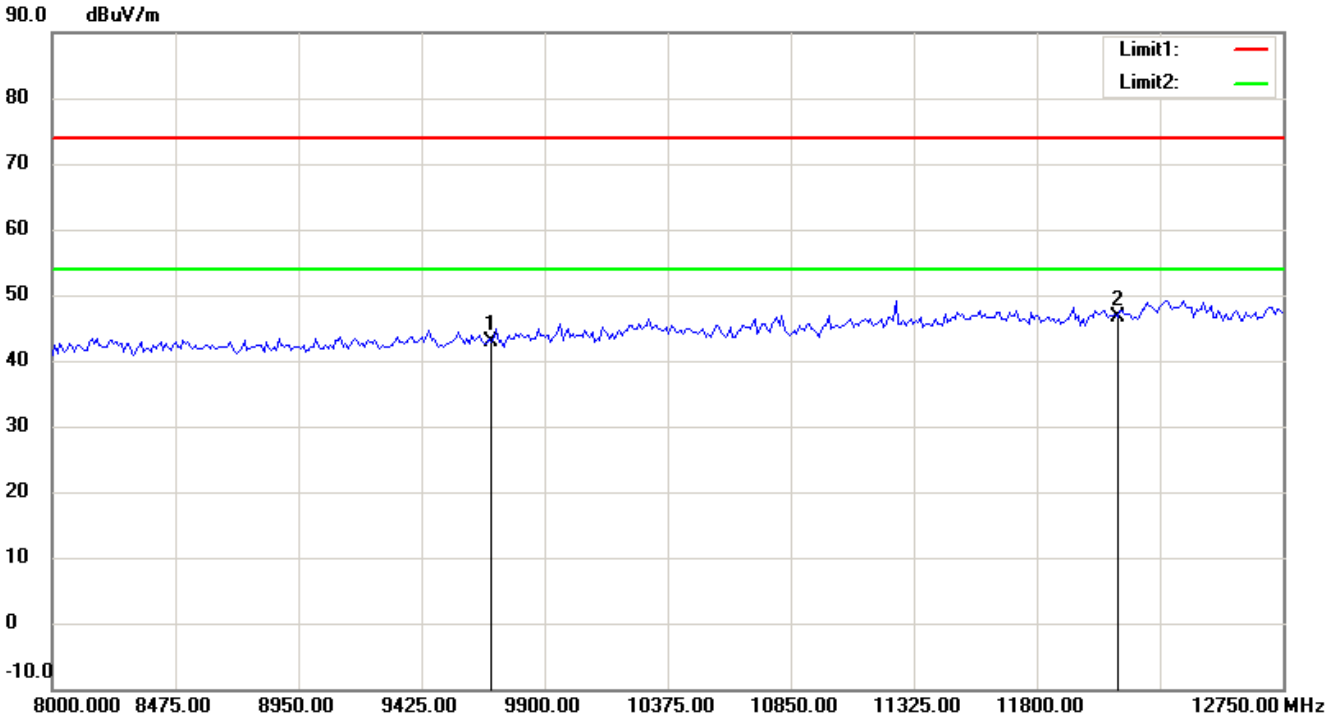


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

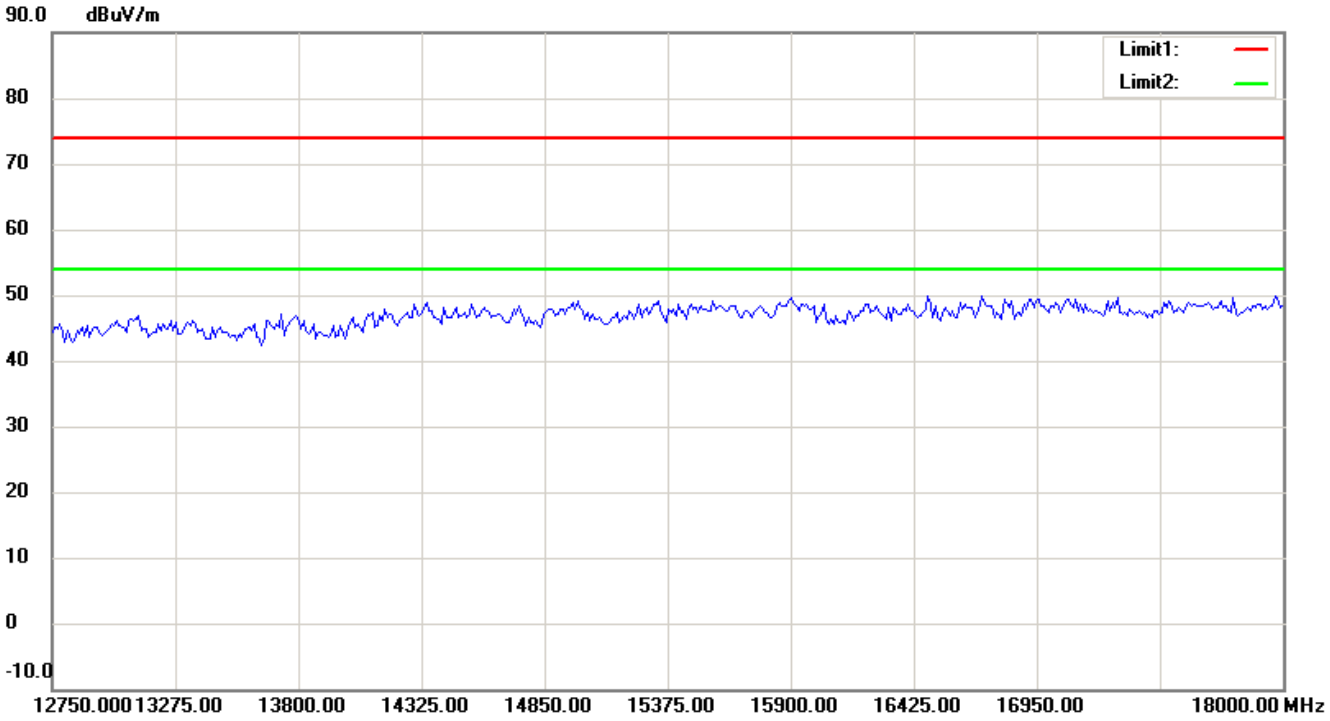


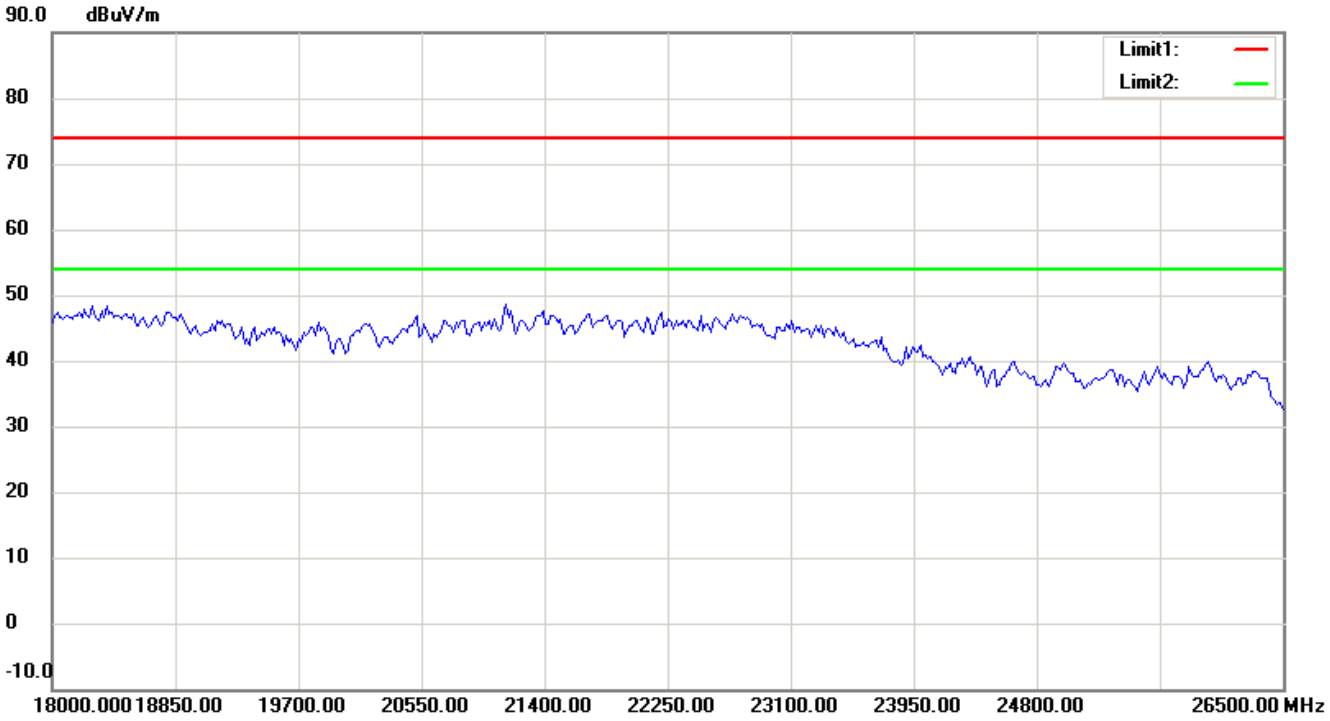


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



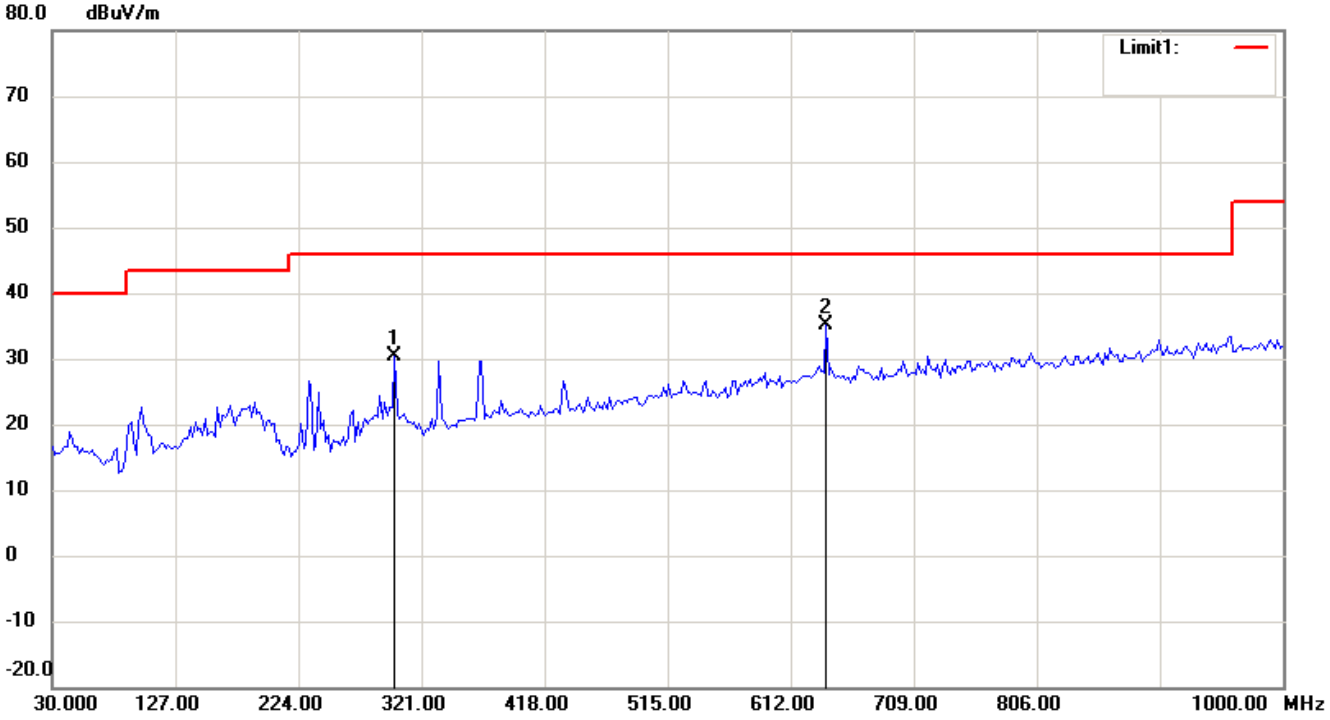


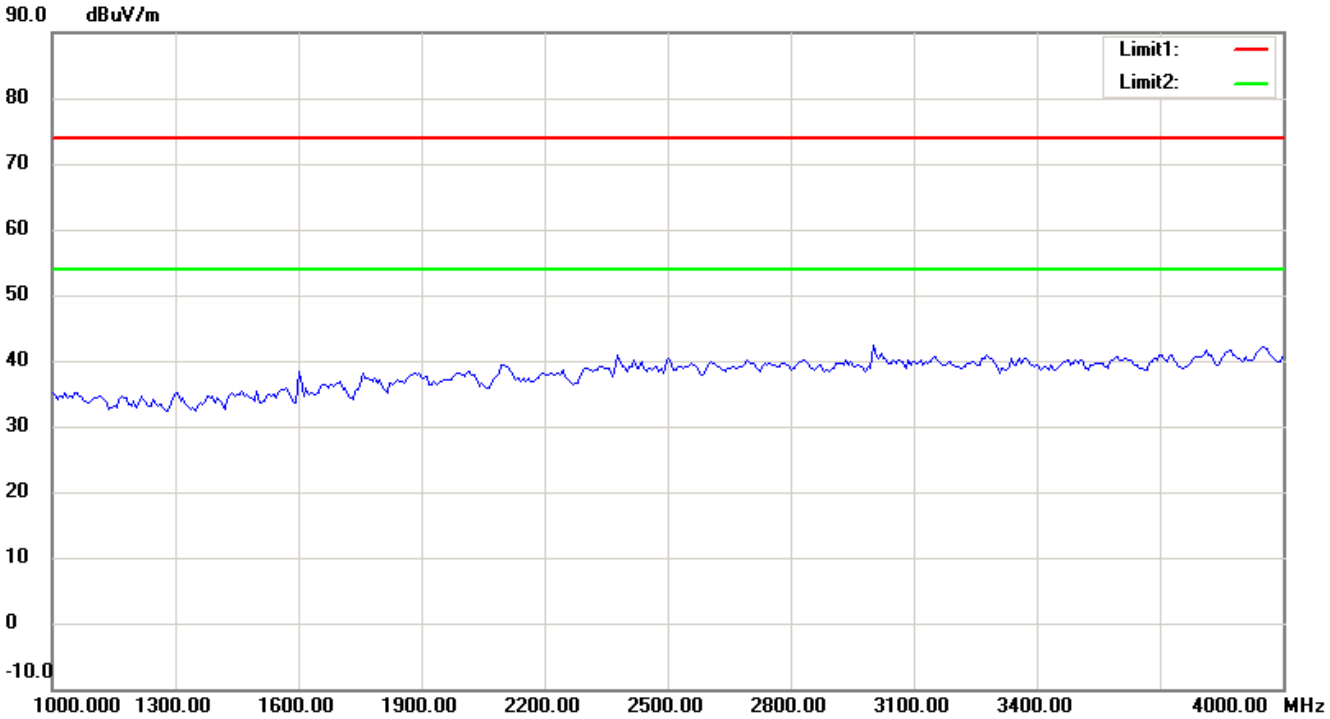
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11n 40MHz 2437MHz
Antenna Polarization H

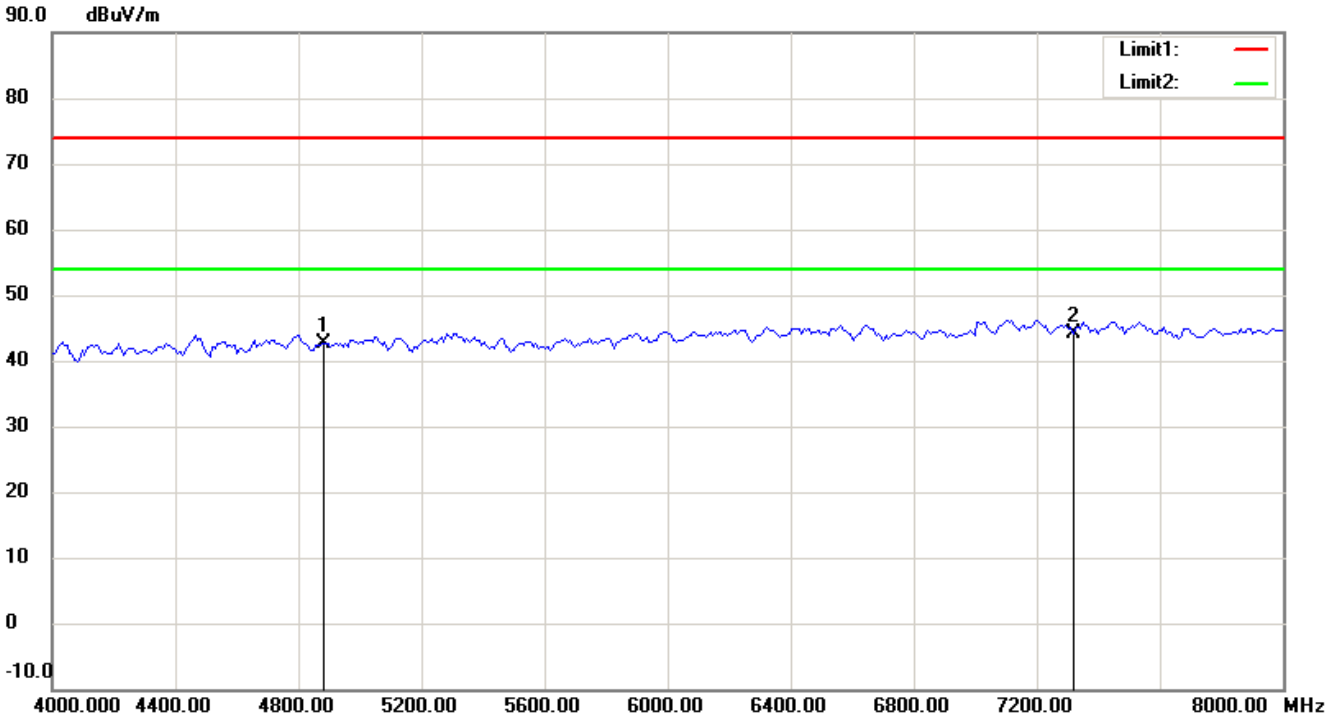


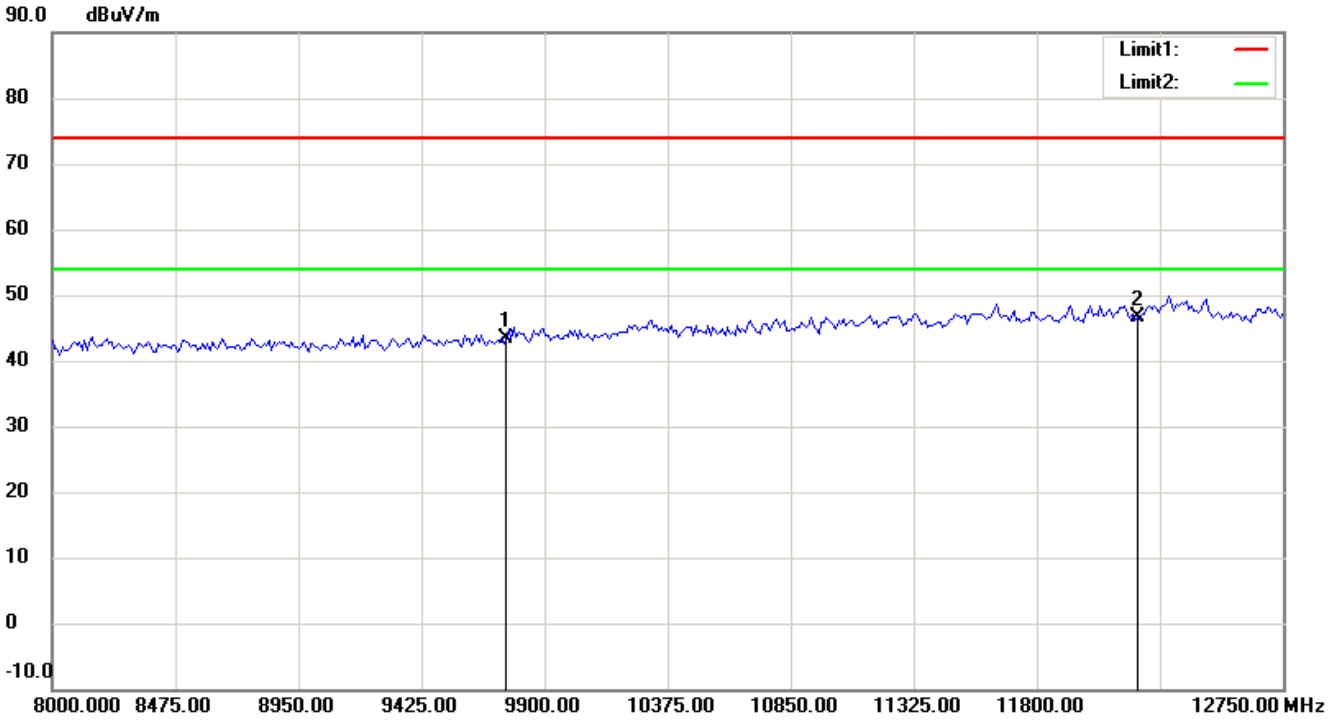


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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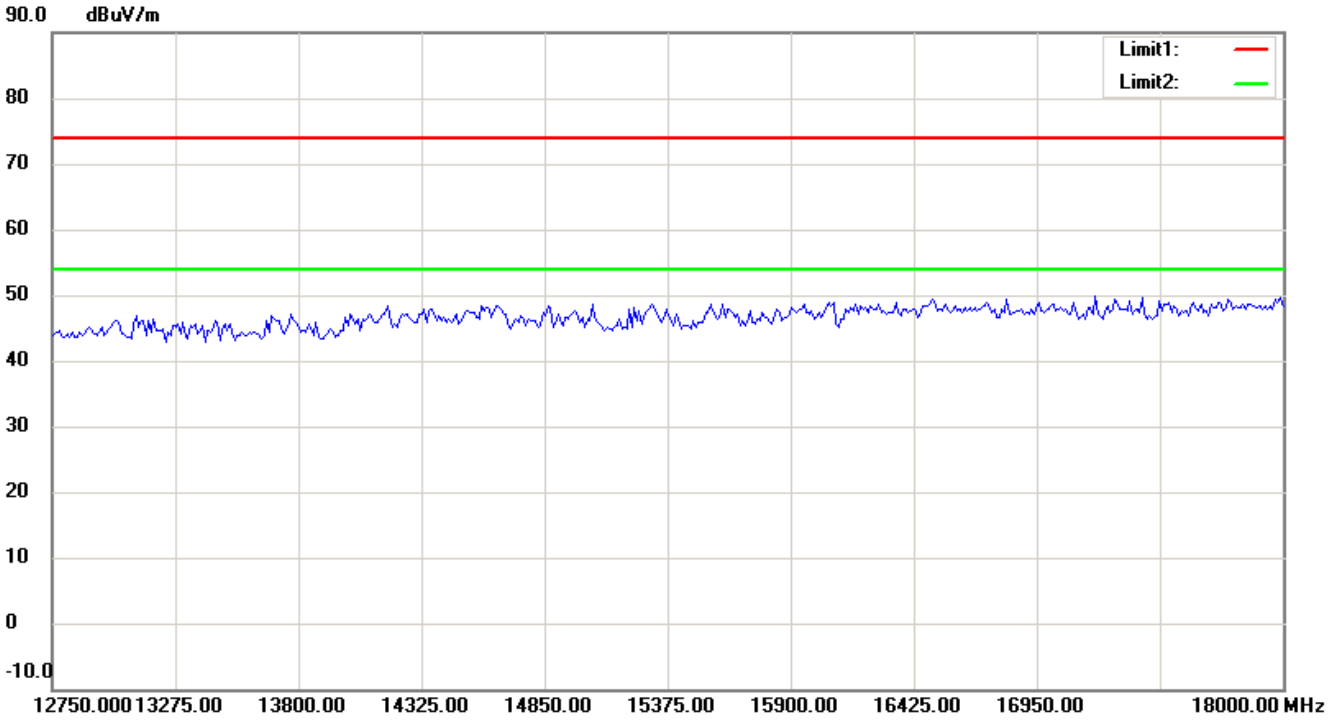
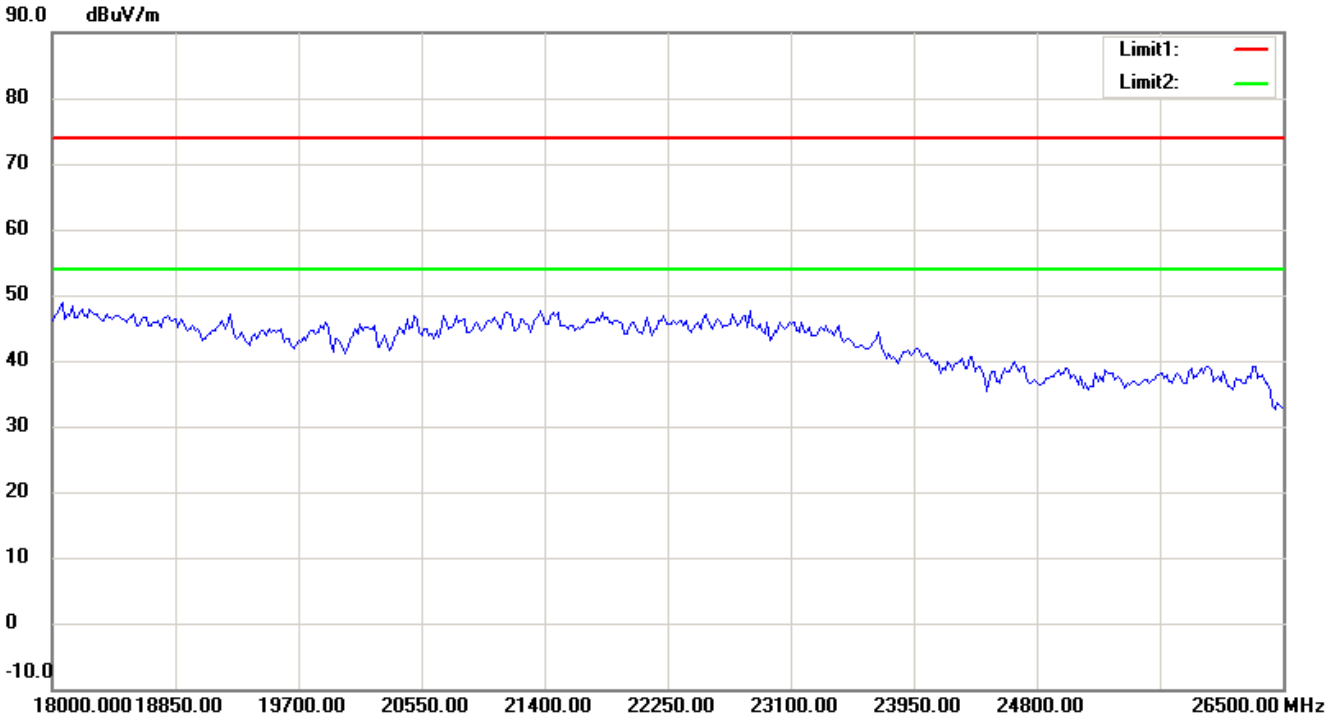
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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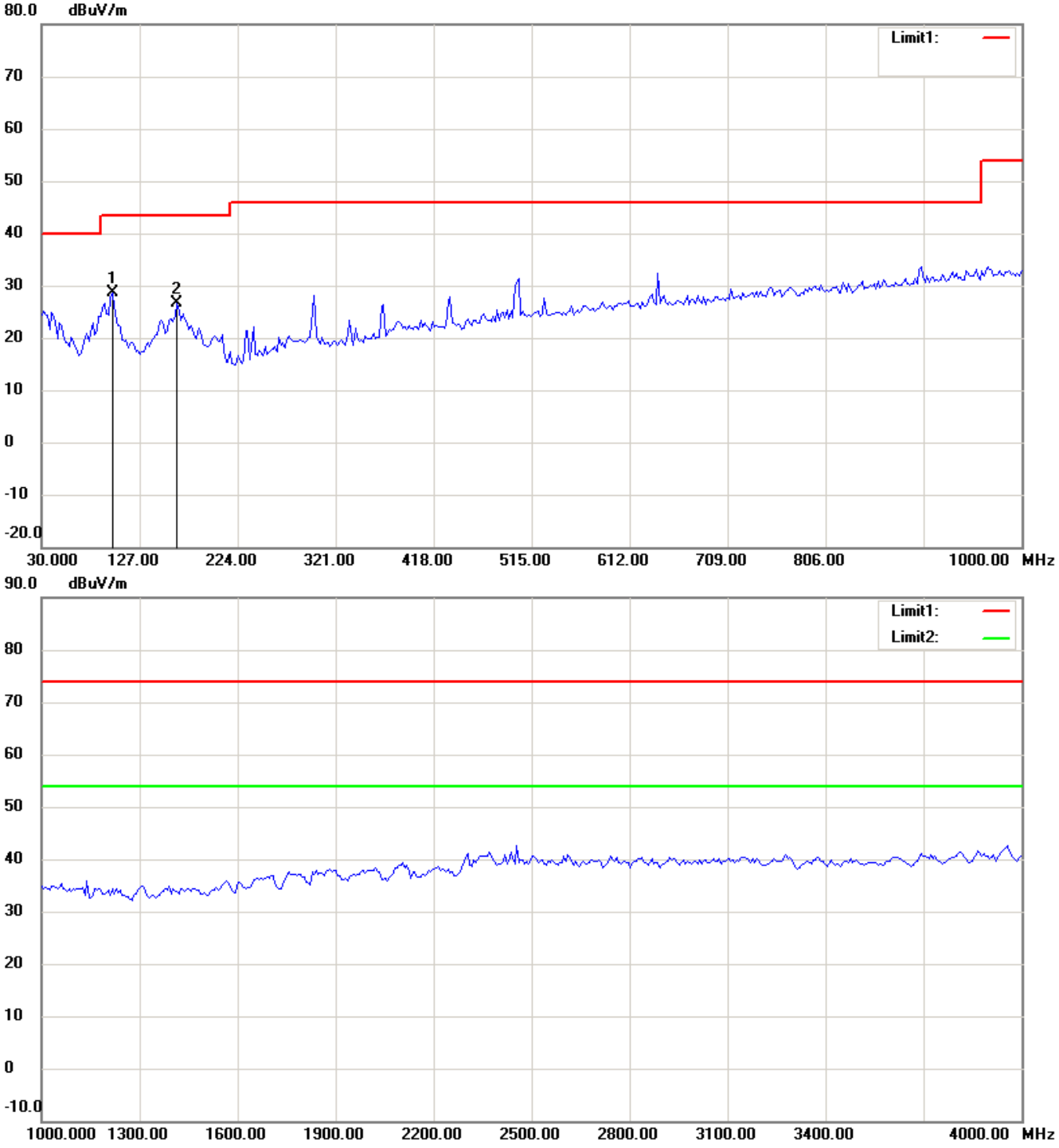
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

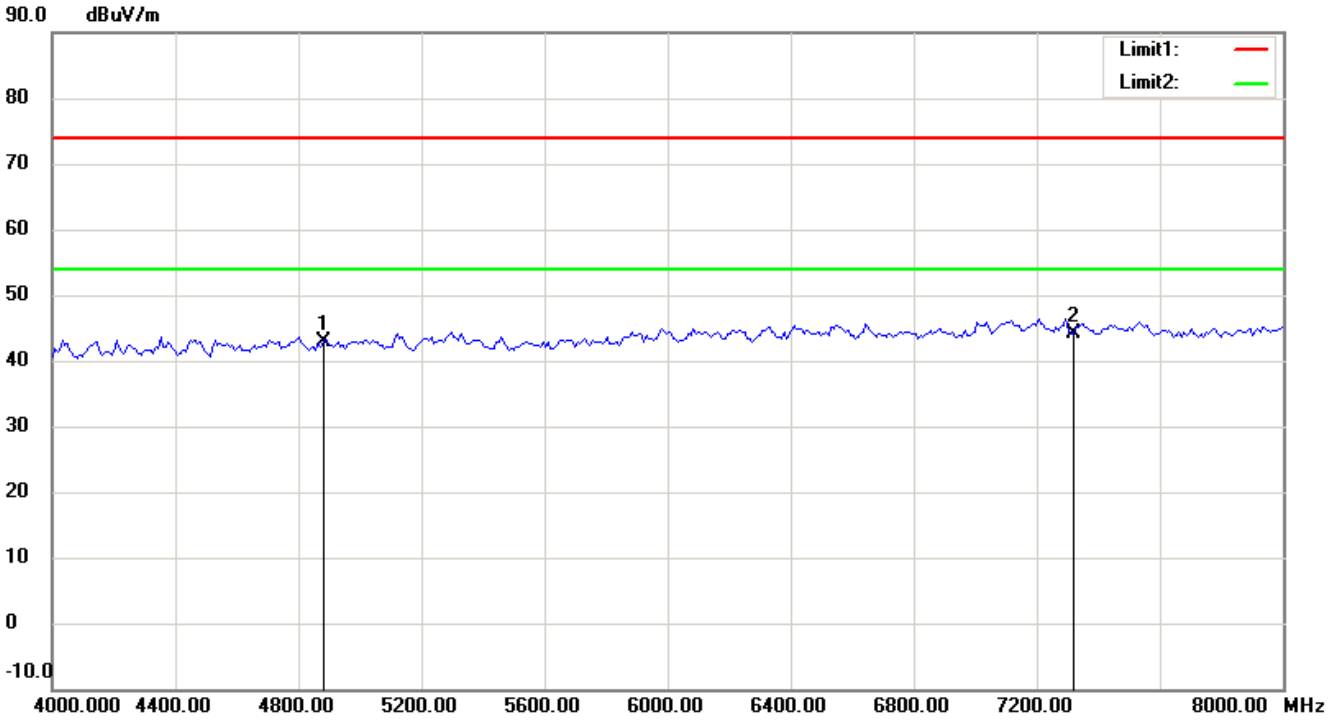
Antenna Polarization V

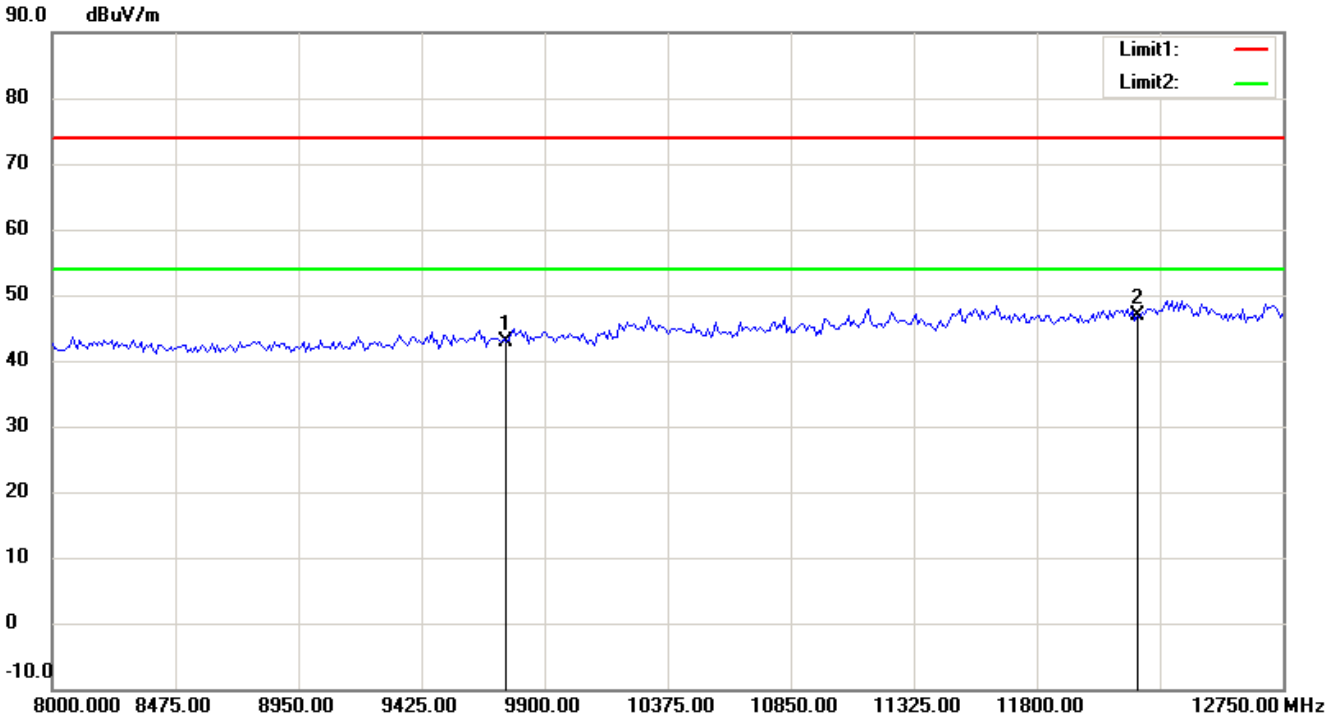


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

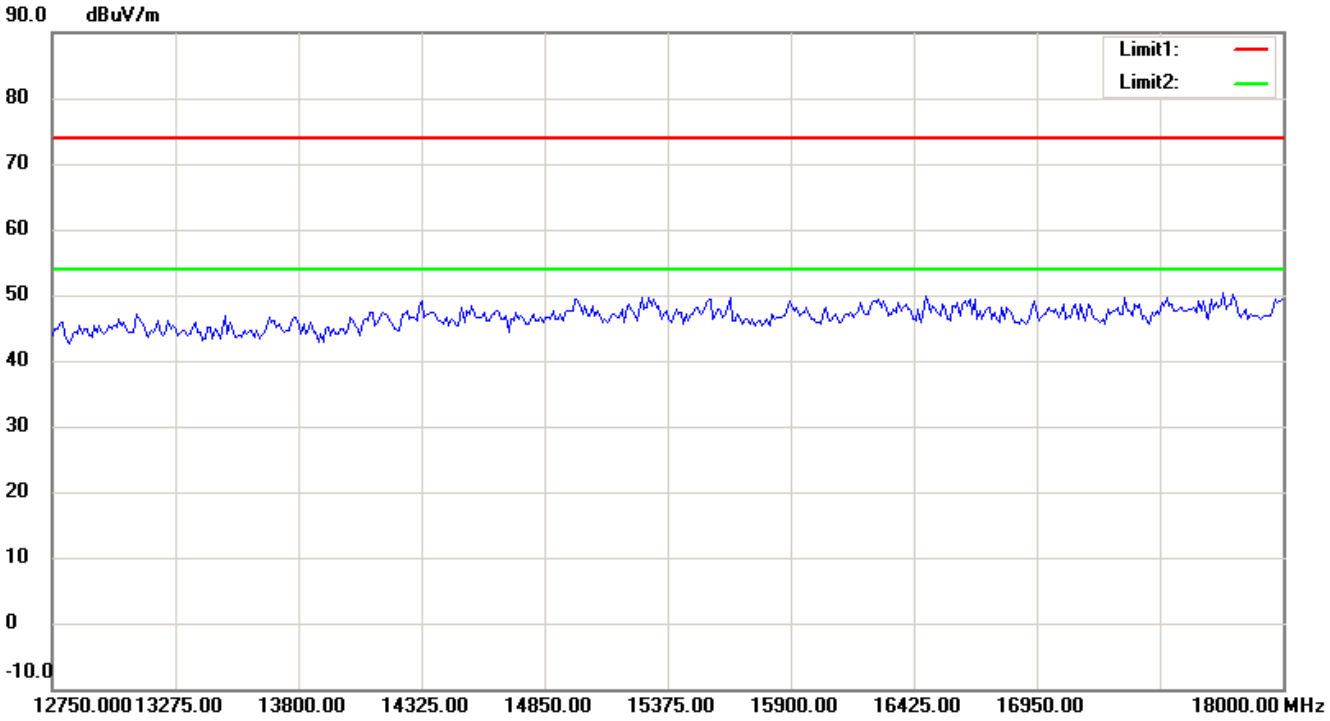


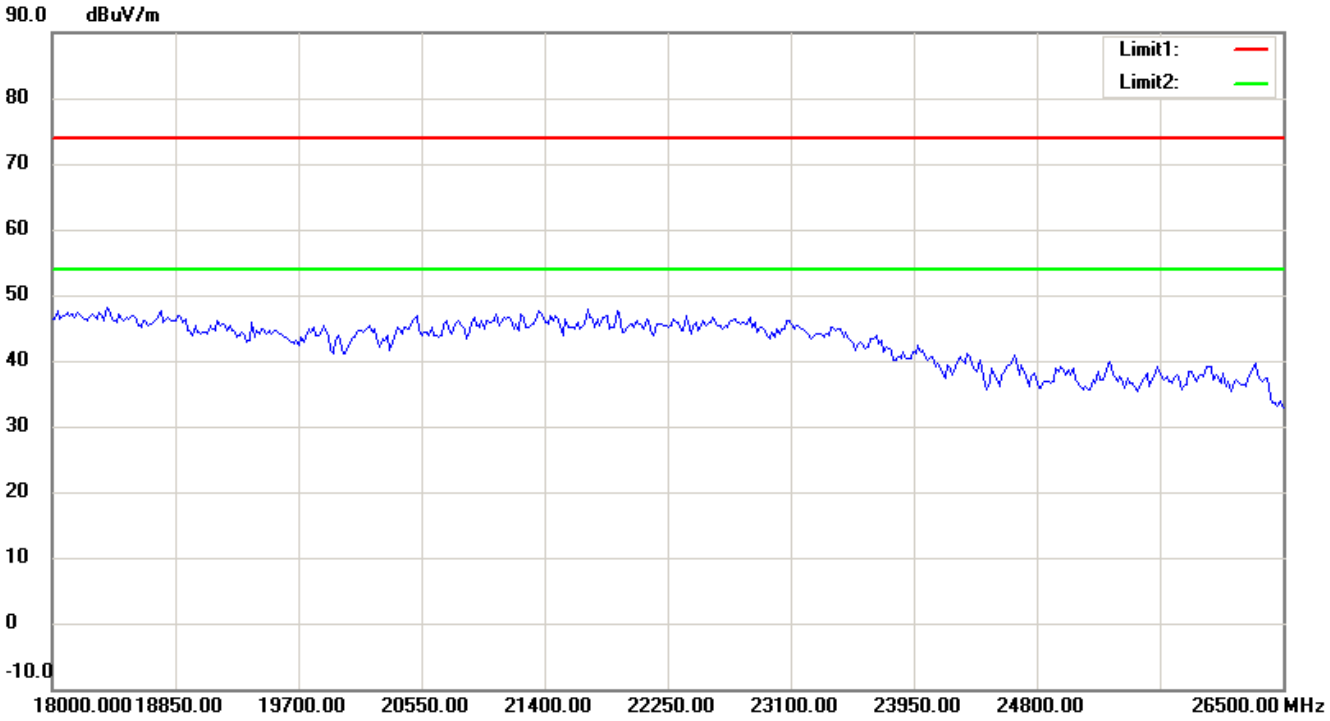


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E



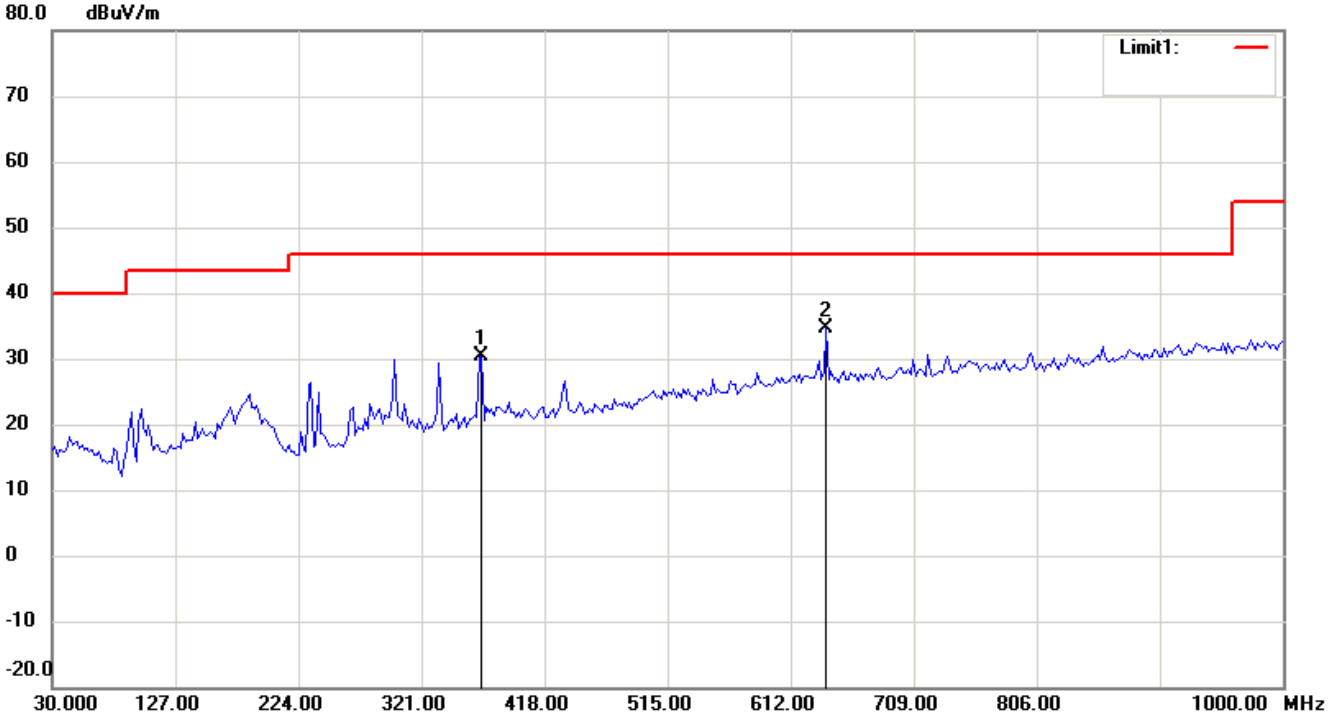


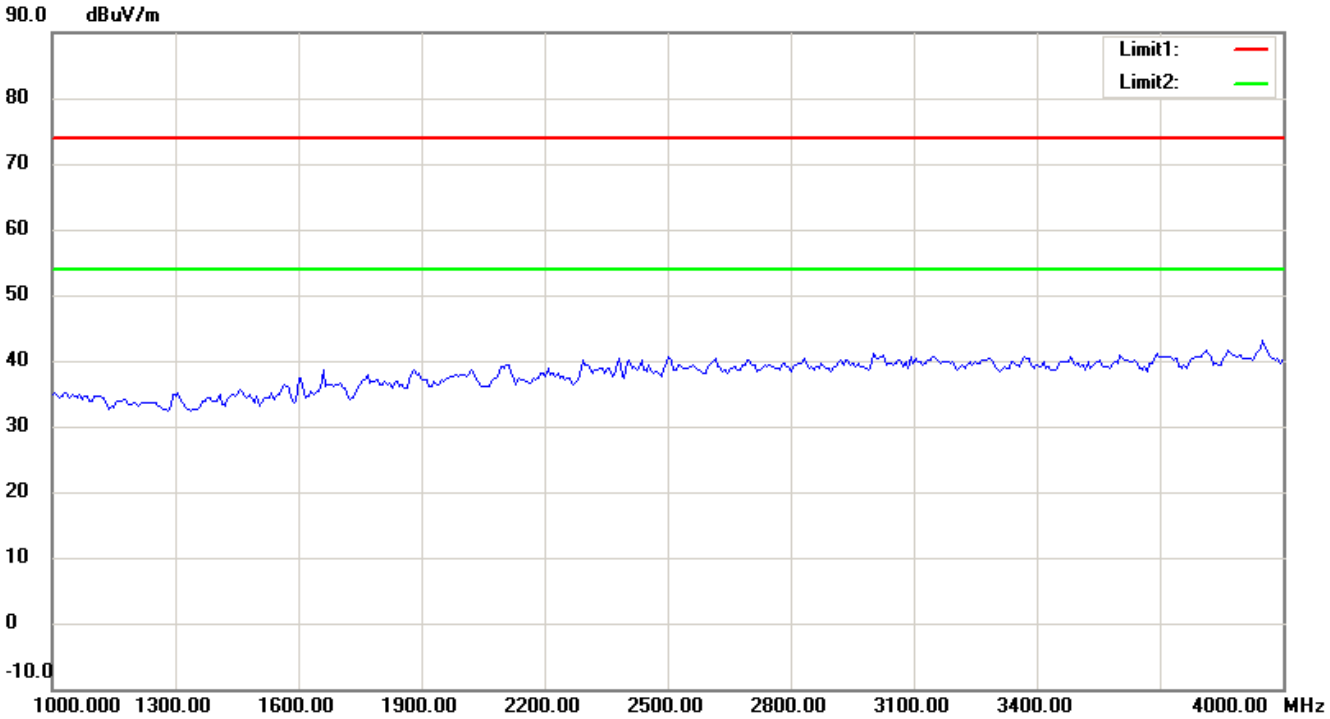
Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

802.11n 40MHz 2452MHz
Antenna Polarization H

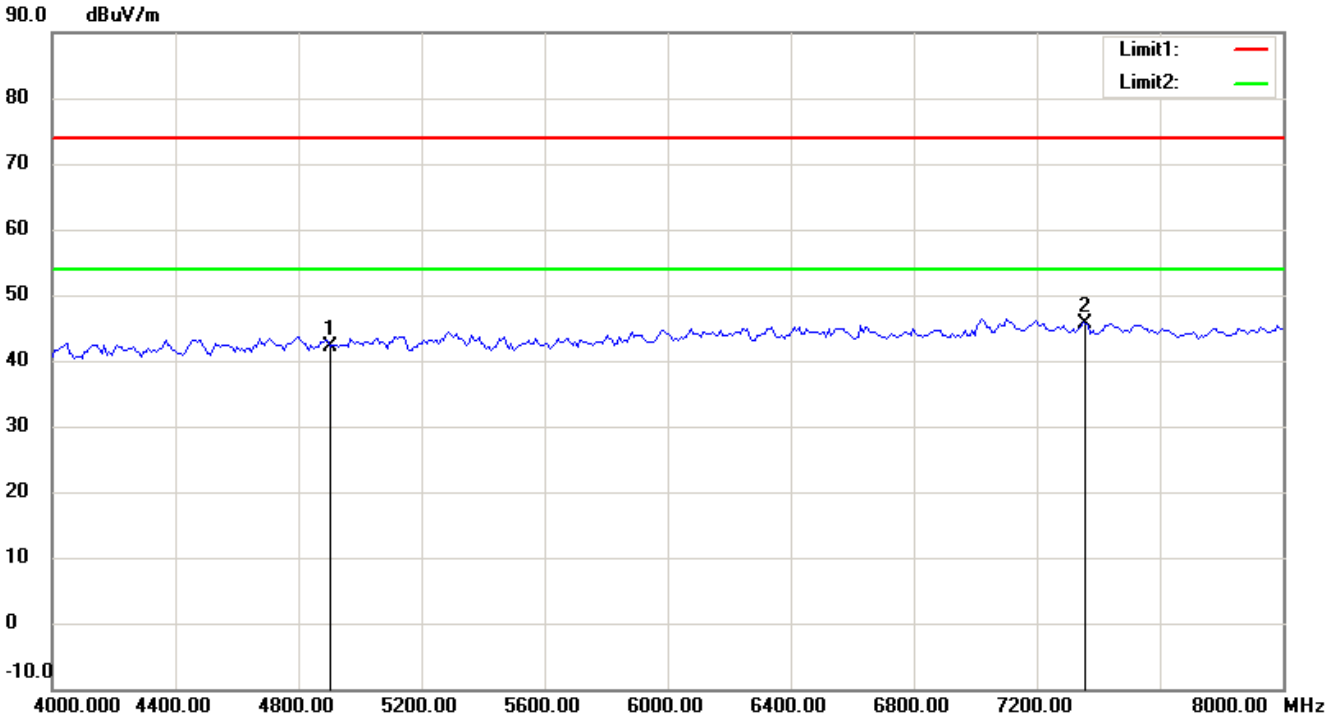


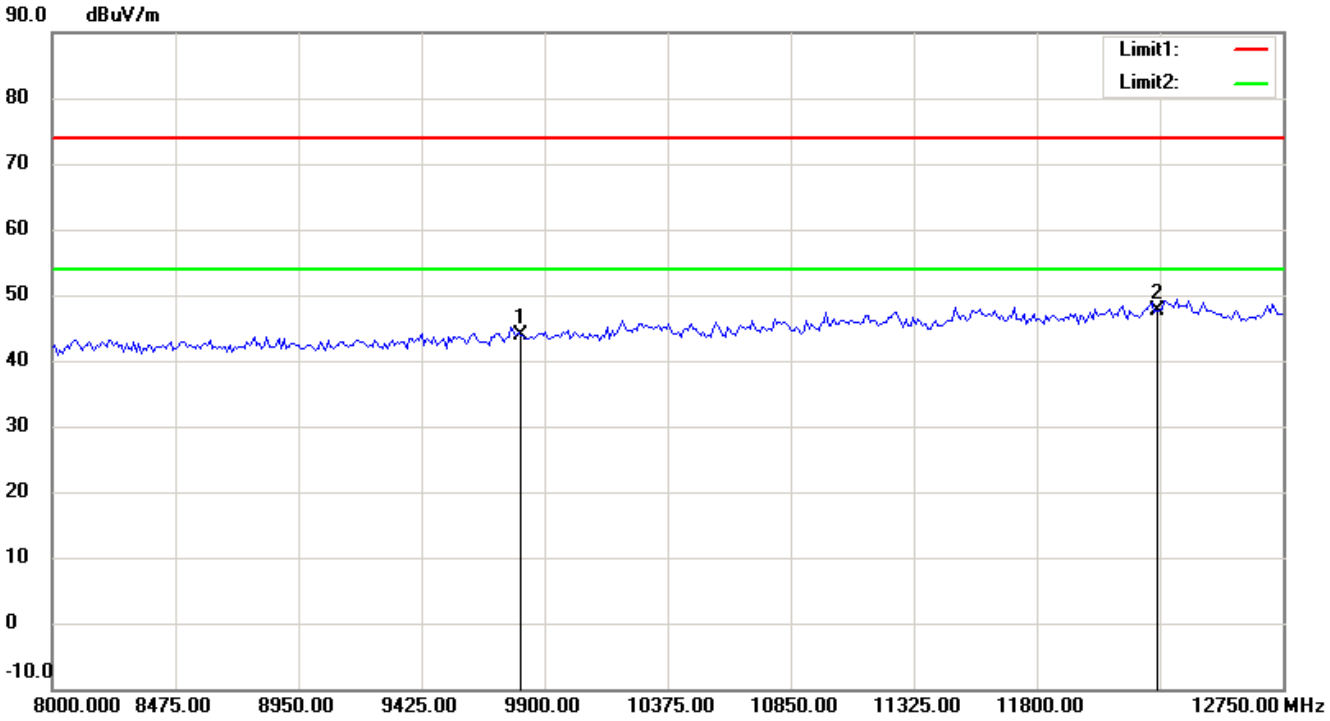


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

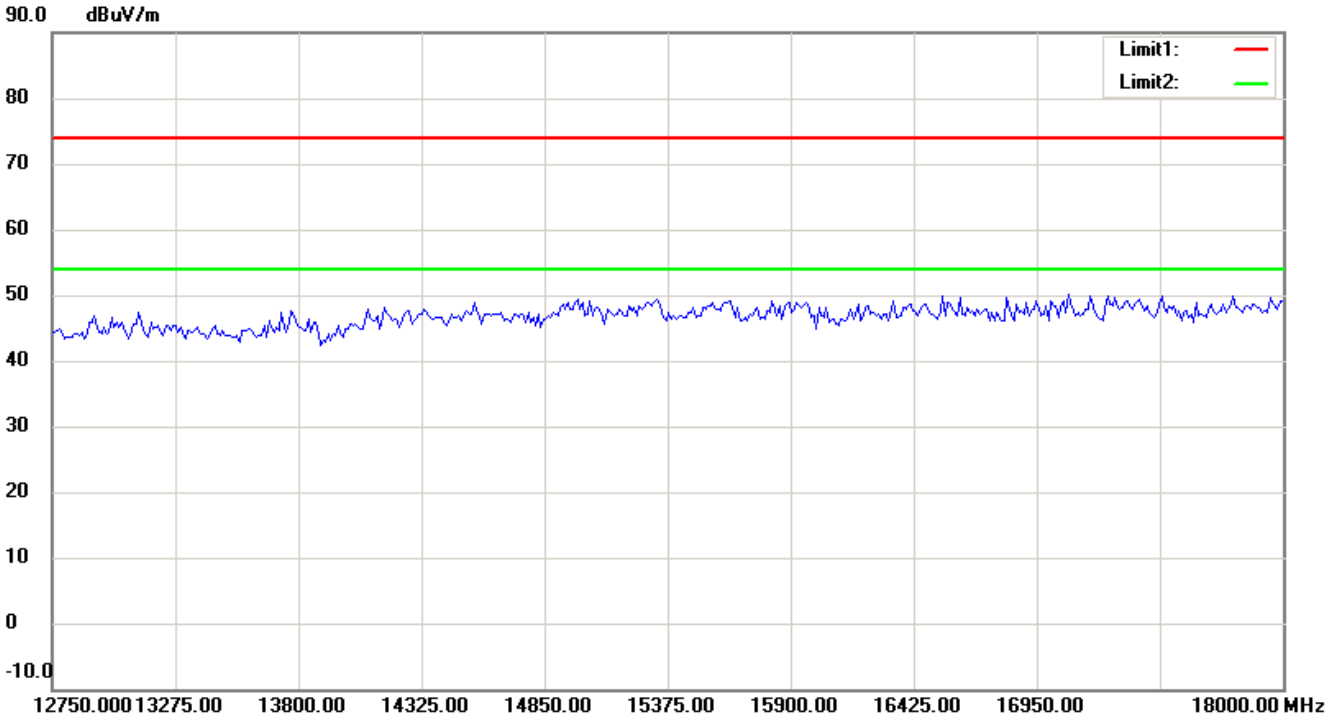


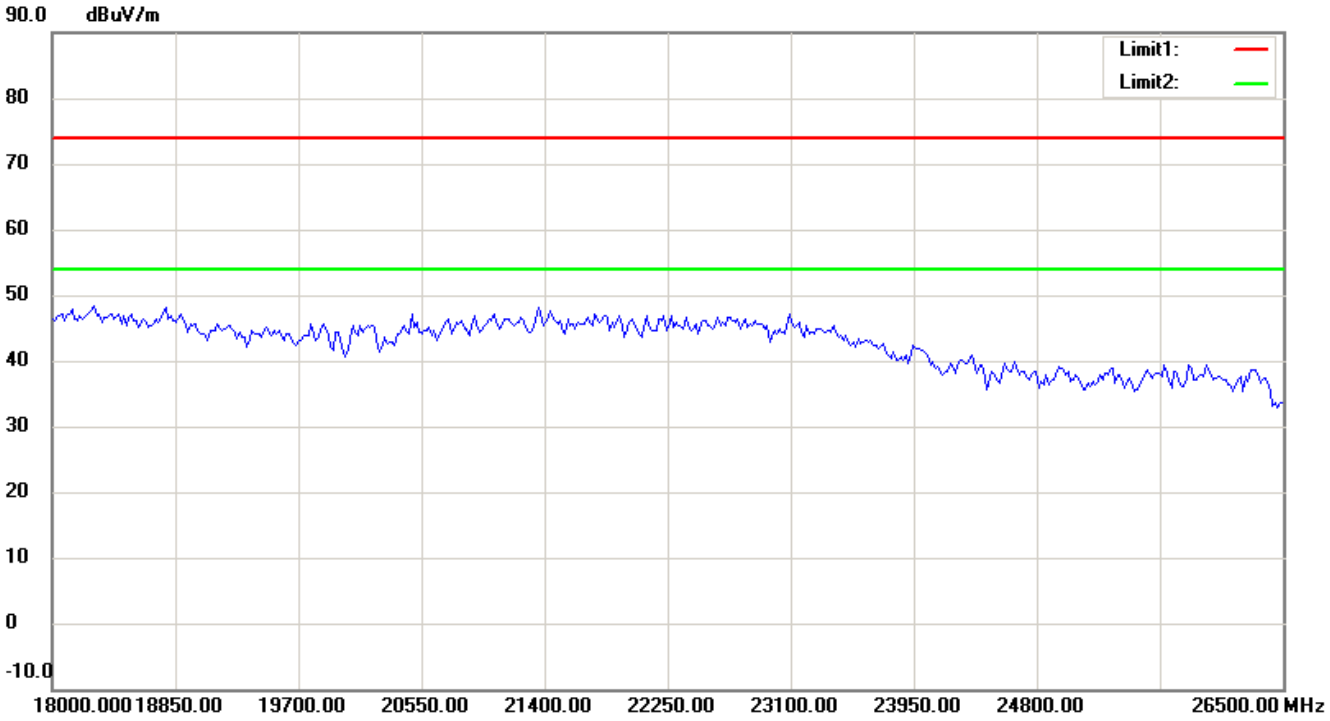


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

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2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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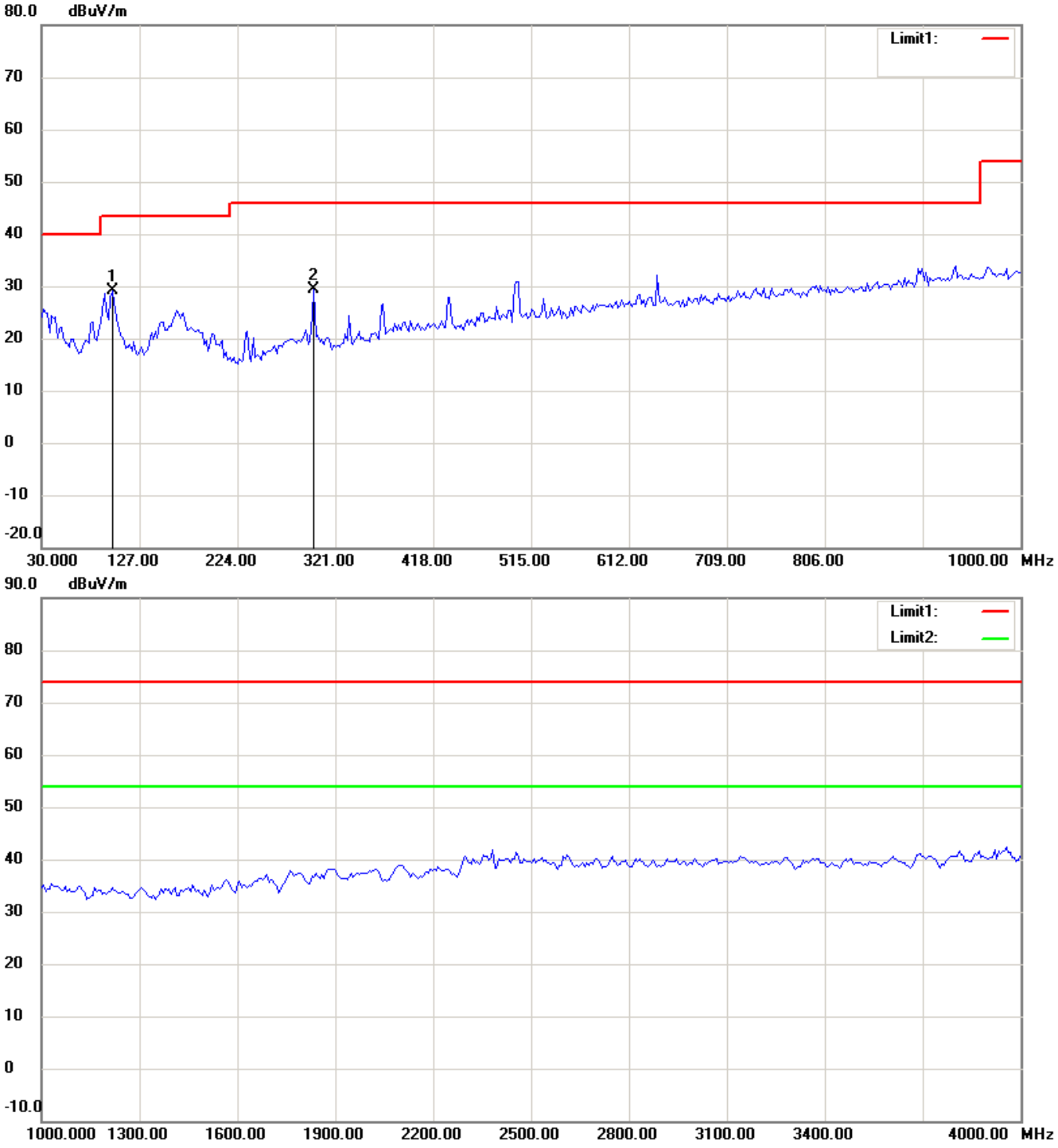
Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

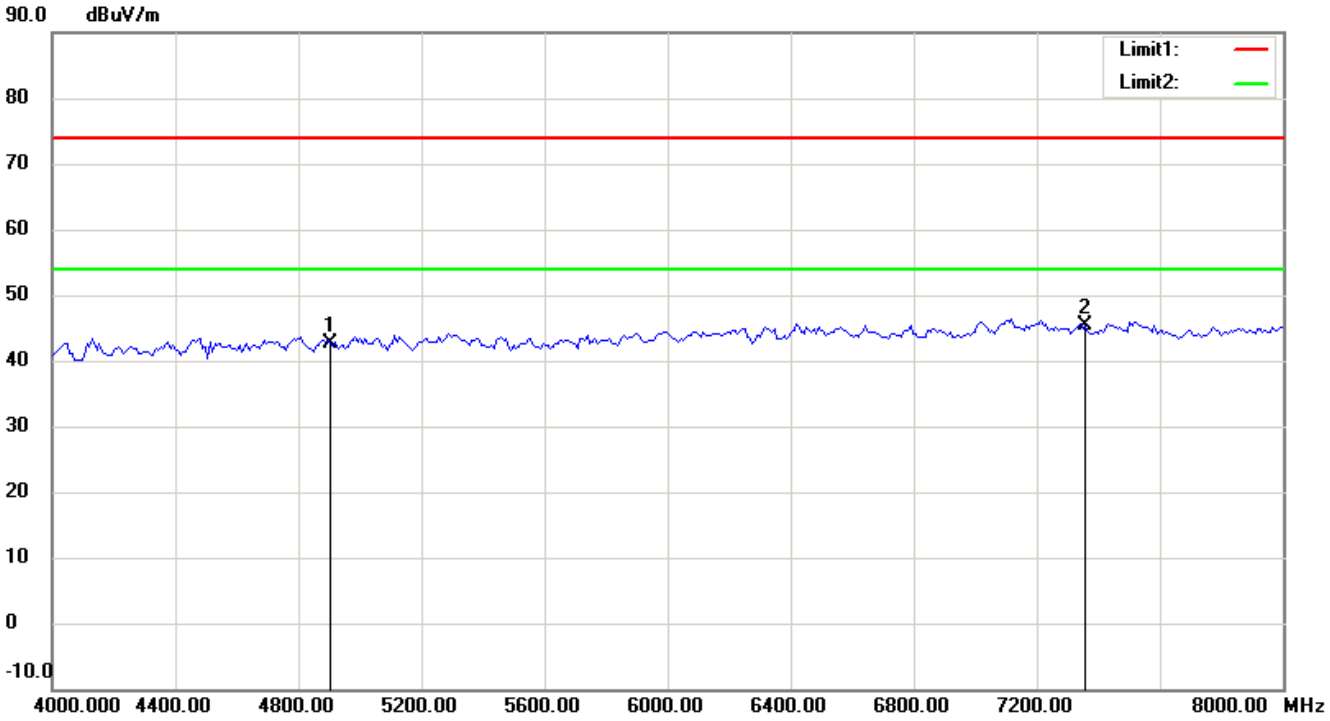
Antenna Polarization V

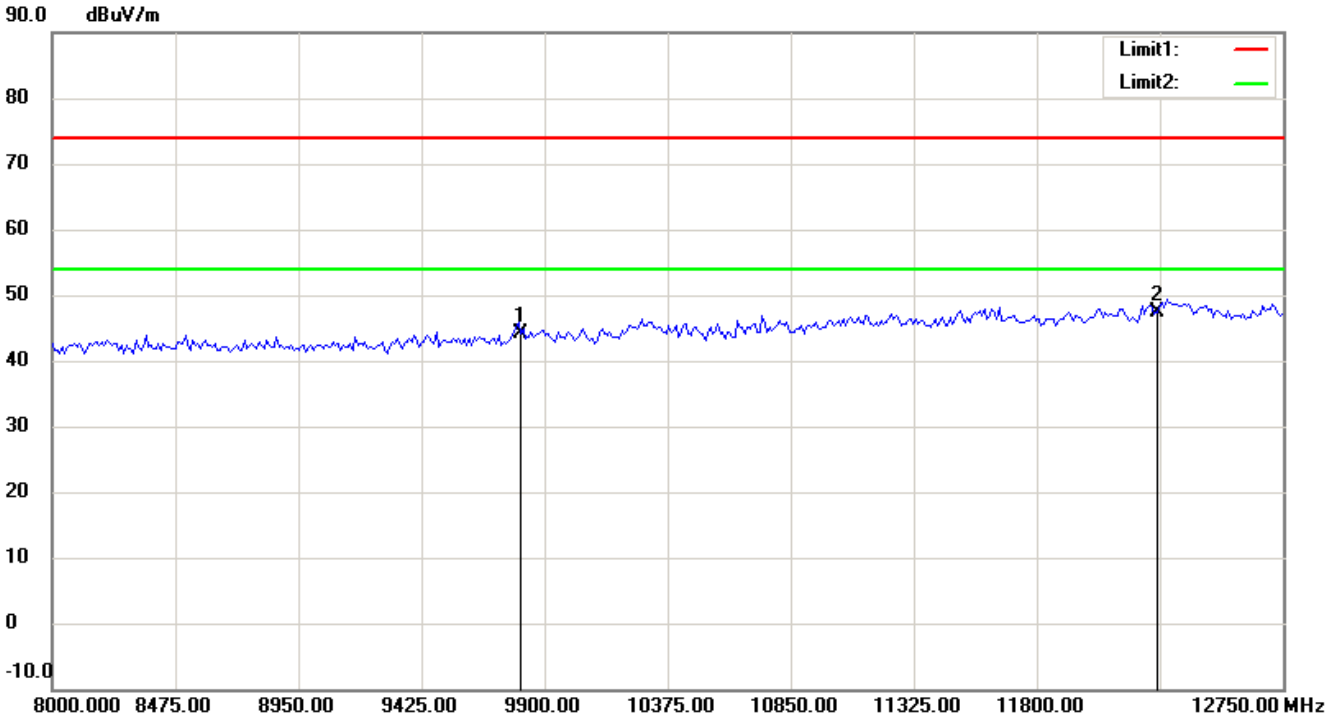


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E

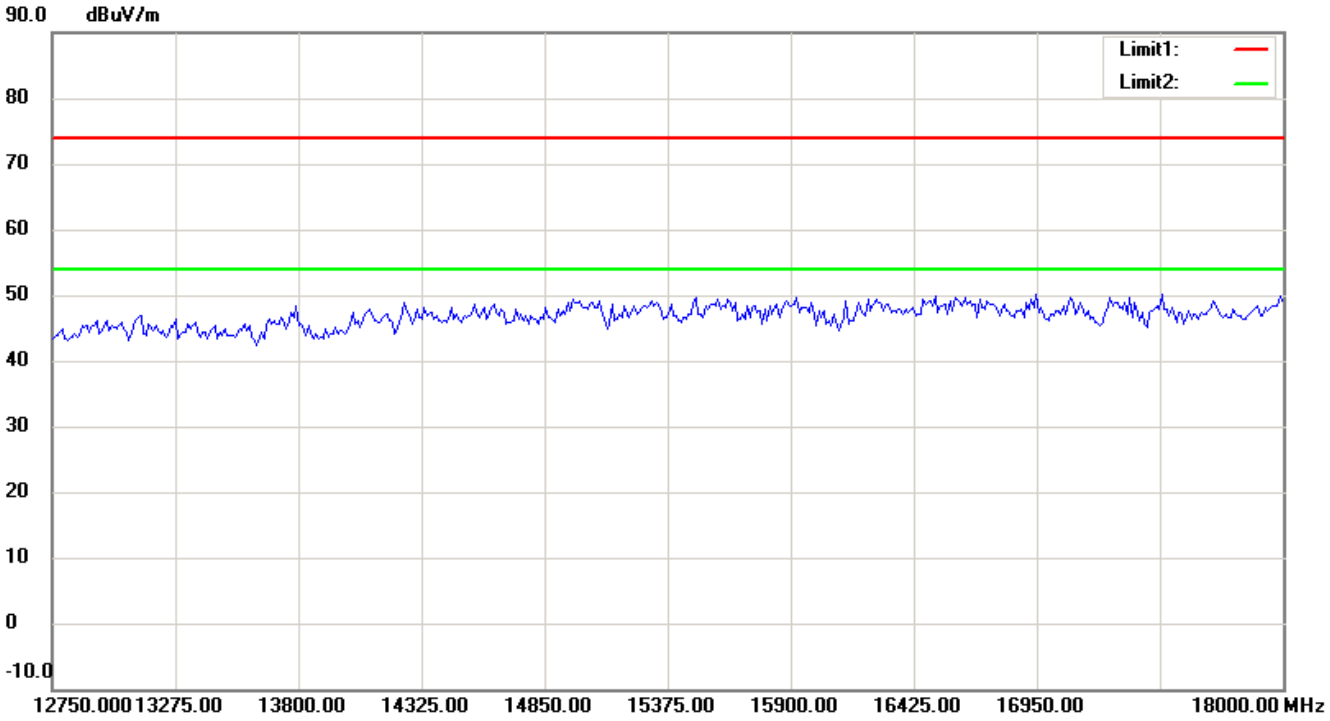


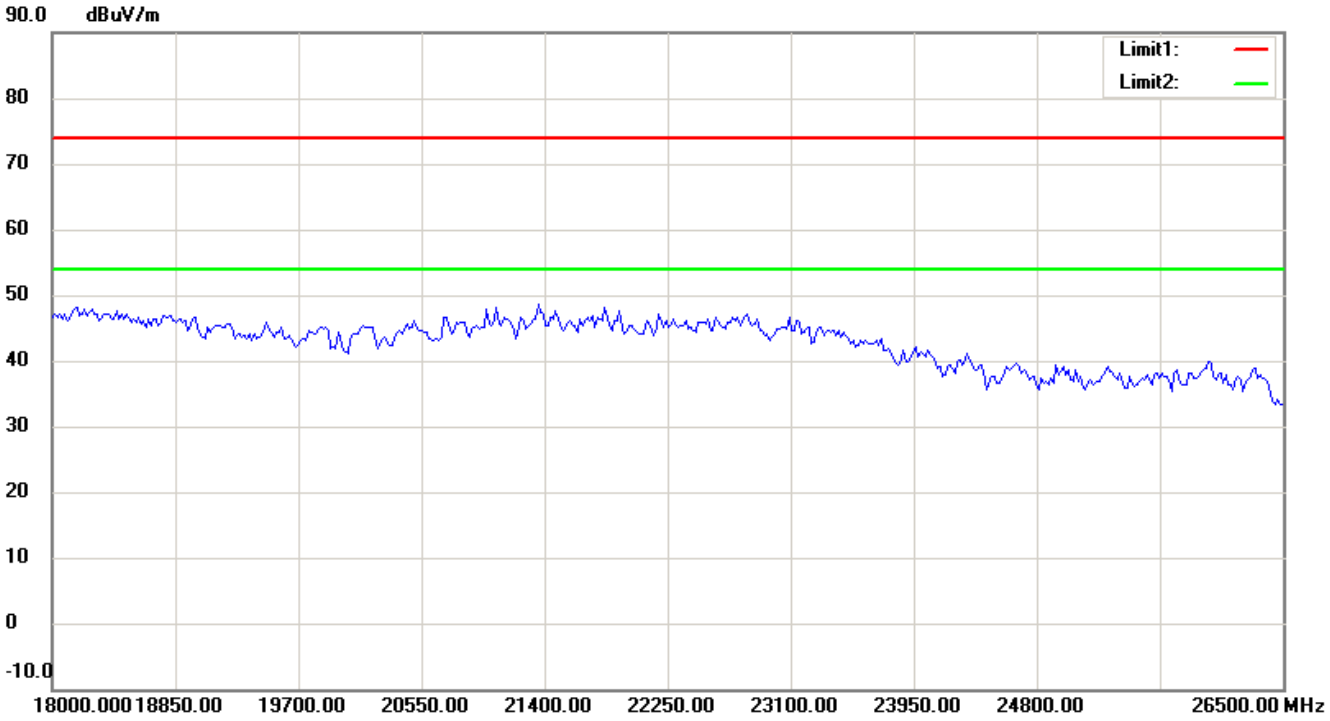


Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6M21401-13806-C-1
FCC ID: ZTT-PCI20E





Up Line: Peak Limit Line Down Line: Ave Limit Line
Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.