FCC PART 15 SUBPART C TEST REPORT

for

Long Range Wireless-B/G/N USB Dongle with Detachable Antenna

Model No.: WN-370USB

FCC ID: ODMWN370USB

of

Applicant: OvisLink Corp.
Address: 5F, No.6, Lane 130, Min-Chuan Rd., Hsin-Tien City,Taipei County 231, Taiwan

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.: W6D21105-11474-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 b/g/n.
This report is related to FCC Part 15 C (DSSS and OFDM device).

Tester:

Date	WTS-Lab.	Name	Signature
July 07, 2011		Rick Chen	Rick Chen

Technical responsibility for area of testing:

Date	WTS	Name	Signature
July 07, 2011		Chang Tse-Ming	Chang Tse-Ming

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

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.)
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:	OvisLink Corp.
Street:	5F, No.6, Lane 130, Min-Chuan Rd.,
Town:	Hsin-Tien City,Taipei County 231,
Country:	Taiwan, R.O.C.
Telephone:	+886-2-2218-6888
Fax:	+886-2-8667-6352

1.4 Application details

Date of receipt of test item:	May 13, 2011
Date of test:	from May 16, 2011 to June 03, 2011

1.5 General information of Test item

Type of test item:	Long Range Wireless-B/G/N USB Dongle with Detachable Antenna
Model Number:	WN-370USB
Brand Name:	Air Live
Multi-listing model number:	./.
Photos:	see Appendix

Technical data

Frequency band:	2.4 GHz – 2.4835 GHz
11b, 11g, 11n 20MHz	
Frequency (ch 1 or A):	2.412 GHz
Frequency (ch 6 or B):	2.437 GHz
Frequency (ch 11 or C):	2.462 GHz
11n 40MHz	
Frequency (ch 1 or A):	2.422 GHz
Frequency (ch 4 or B):	2.437 GHz
Frequency (ch 7 or C):	2.452 GHz
Number of Channels:	11b, 11g, 11n 20MHz: 11 11n 40MHz: 7
Operation modes:	Half duplex
Modulation Type:	DSSS / OFDM
Fixed point-to-point operation:	☐ Yes / ☒ No
Type of Antenna:	rp-sma omni antenna (with reverse SMA connector)
Antenna gain:	5 dBi
Power supply:	5VDC (power from PC)
Emission designator:	11b: DSSS: 16M1G1D 11g: OFDM: 16M8W7D 11n 20MHz: OFDM: 18M0W7D 11n 40MHz: OFDM: 36M1W7D
Host device:	none

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Classification :

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

Transmitter **Unom**

Mode A (802.11b)
Power (ch 1 or A): Conducted: 15.73 dBm
Power (ch 6 or B): Conducted: 15.48 dBm
Power (ch 11 or C): Conducted: 14.62 dBm

Mode B (802.11g)
Power (ch 1 or A): Conducted: 15.29 dBm
Power (ch 6 or B): Conducted: 15.30 dBm
Power (ch 11 or C): Conducted: 14.88 dBm

Mode C (802.11n20MHz)
Power (ch 1 or A): Conducted: 15.07 dBm
Power (ch 6 or B): Conducted: 14.92 dBm
Power (ch 11 or C): Conducted: 14.41 dBm

Mode D (802.11n40MHz)
Power (ch 1 or A): Conducted: 15.72 dBm
Power (ch 4 or B): Conducted: 16.72 dBm
Power (ch 7 or C): Conducted: 14.31 dBm

Manufacturer: (if applicable)
Name: ./.
Street: ./.
Town: ./.
Country: ./.

1.6 Test standards

Technical standard : FCC RULES PART 15 SUBPART B / SUBPART C § 15.247 (2010-10)

Special statement:
This test report is based on the original test report no. W6M21105-11473-C-1 without re-testing. Because the relevant Circuitry, PCB Layout, Inner element, Appearance and Function of this model number is exactly the same as the original model number.

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:	5VDC (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	2010/9/2	2011/9/1
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2011/3/10	2012/3/9
ETSTW-CE 005	Line-Impedance Stabilisation Network	NNBM 8126D	137	Schwarzbeck	2010/9/8	2011/9/7
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2011/3/8	2012/3/7
ETSTW-CE 007	SPECTRUM ANALYZER 5GHz	FSB	849670/001	R&S	Pre-test Use NCR	
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	2010/7/21	2011/7/20
ETSTW-CE 013	CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK	FCC-TLISN-T4-02	20242	FCC	2010/10/21	2011/10/20
ETSTW-CE 015	CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK	FCC-TLISN-T8-02	20307	FCC	2010/9/6	2011/9/5
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2011/2/21	2012/2/20
ETSTW-CS 004	COUPLING AND DECOUPLING NETWORK	CDN M016	20053	SCHAFFNER	2010/8/20	2011/8/19
ETSTW-CS 005	RF Power Amplifier	100A250A	306547	AR	Function Test	
ETSTW-CS 009	6 dB Attenuator	75-A-FFN-06	70998	BIRD	2011/5/20	2012/5/19
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2010/8/10	2011/8/9
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2010/9/14	2011/9/13
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2010/9/2	2011/9/1
ETSTW-RE 010	ABSORBING CLAMP	MDS 21	3469	Schwarzbeck	2010/9/6	2011/9/5
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 019	MICROWAVE HORN ANTENNA	22240-25	121074	FM	2011/4/25	2012/4/24
ETSTW-RE 020	MICROWAVE HORN ANTENNA	AT4002A	306915	AR	Function Test	
ETSTW-RE 021	SWEEP GENERATOR	SWM05	835130/010	R&S	2010/8/20	2011/8/19
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	EMCO	2010/7/22	2011/7/21
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	EMCO	2011/2/25	2012/2/24
ETSTW-RE 032	Millivoltmeter	URV 55	849086/013	R&S	2010/10/4	2011/10/3
ETSTW-RE 033	WaveRunner 6000A Serise Oscilloscope	WAVERUNNER 6100A	LCRY0604P14508	LeCroy	Function Test	
ETSTW-RE 034	Power Sensor	URV5-Z4	839313/006	R&S	2010/10/4	2011/10/3
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2011/1/14	2012/1/13
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2011/4/26	2012/4/25
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2011/4/25	2012/4/24
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use NCR	
ETSTW-RE 048	Triple Loop Antenna	HXYZ 9170	HXYZ 9170-134	Schwarzbeck	2010/8/30	2011/8/29

ETSTW-RE 049	TRILOG Super Broadband test Antenna	VULB 9160	9160-3185	Schwarzbeck	2011/4/8	2012/4/7
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2011/3/4	2012/3/3
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2011/3/4	2012/3/3
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2011/3/4	2012/3/3
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2011/6/1	2012/5/31
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2011/3/4	2012/3/3
ETSTW-RE 061	Amplifier Module	CHC 1	None	ETS	2011/5/18	2012/5/17
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2010/11/30	2011/11/29
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function Test	
ETSTW-RE 065	Amplifier	AMF-6F-18002650-25-10P	941608	MITEQ	2011/4/8	2012/4/7
ETSTW-RE 066	Highpass Filter	H1G013G1	206015	MICROWAVE CIRCUITS, INC.	2011/3/4	2012/3/3
ETSTW-RE 072	CELL SITE TEST SET	8921A	3339A00375	HP	2010/10/7	2011/10/6
ETSTW-RE 073	Power Meter	N1911A	MY45100769	Agilent	2011/1/10	2012/1/9
ETSTW-RE 074	Power Sensor	N1921A	MY45241198	Agilent	2011/1/10	2012/1/9
ETSTW-RE 081	Highpass Filter	H03G13G1	4260-02 DC0428	MICROWAVE CIRCUITS, INC.	2011/3/4	2012/3/3
ETSTW-RE 096	SIGNAL GENERATOR	SMIQ 03B	102274	R&S	2011/5/3	2012/5/2
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2011/3/10	2012/3/9
ETSTW-RE 105	2.4GHz Notch Filter	NO124411	39555	MICROWAVE CIRCUITS, INC.	2011/3/11	2012/3/10
ETSTW-RE 106	Humidity Temperature Meter	TES-1366	091011113	TES	2011/3/24	2012/3/23
ETSTW-RE 111	Log-Periodic Dipole Array Antenna	VULB 9160	9160-3309	Schwarz beck	2010/12/17	2011/12/16
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	None	T-Power	Function test	
ETSTW-RE 114	2.4GHz Notch Filter	N0124411	473873	MICROWAVE CIRCUITS	2011/1/13	2012/1/12
ETSTW-EMI 001	HARMONICS 1000	HAR1000-1P	093	EMC-PARTNER	2010/8/27	2011/8/26
ETSTW-EMS 001	BASELSTRASSE 160 CH-4242 LAUFEN	CN-EFT1000	354	EMC-PARTNER	Function Test	
ETSTW-EMS 002	Frequency Converter	YF-6020	0308014	None	Function Test	
ETSTW-EMS 003	EMC Immunity Test System	TRA2000IN6	579	EMC-PARTNER	2010/11/3	2011/11/2
ETSTW-EMS 009	Magnetic Field Antenna	MF1000-1	104	EMC-PARTNER	Function Test	
ETSTW-EMS 012	EM Injection Clamp	F-203I-23MM	476	FCC	2011/6/1	2012/5/3
ETSTW-EMS 015	HVAC Trms Power Clamp Meter	3079K	070800649	TES	2010/10/5	2011/10/4
ETSTW-EMS 016	EMF Tester	1390	071208732	TES	2010/10/5	2011/10/4
ETSTW-EMS 017	Multimeter	DM-1220	518614	HOLA	2010/8/18	2011/8/17
ETSTW-EMS 019	Electrostatic Discharge Simulator	ESS-2002	ESS06Y6300	NoiseKen	2010/11/25	2011/11/24
ETSTW-EMS 020	Humidity Temperature Meter	TES-1366	091011116	TES	2011/3/24	2012/3/23
ETSTW-RS 003	RF Power Amplifier	30S1G3	306933	AR	Function Test	
ETSTW-RS 004	RF Power Amplifier	150W1000	307009	AR	Function Test	
ETSTW-RS 006	SIGNAL GENERATOR	SML03	101551	R&S	2011/3/7	2012/3/6
ETSTW-RS 007	14" COLOR VIDEO MONITOR	HS-CM145A	0512011548	None	Function Test	

ETSTW-RS 009	SIGNAL GENERATOR	8648C	3642U01656	HP	2011/2/23	2012/2/22
ETSTW-RS 010	Broadband Field Meter	NBM-520	C-0195	Narda	2010/10/12	2011/10/11
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2010/10/7	2011/10/6
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40/12+9SS	3	WI	2011/1/14	2012/1/13
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2011/1/14	2012/1/13
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2011/1/14	2012/1/13
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2011/1/14	2012/1/13
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2010/9/20	2011/9/19
ETSTW-Cable 002	Microwave Cable	SUCOFLEX 104（S_Cable 7）	238093	HUBER+SUHNER	2011/5/18	2012/5/17
ETSTW-Cable 003	Microwave Cable	SUCOFLEX 104（S_Cable 11）	209953	HUBER+SUHNER	2011/5/18	2012/5/17
ETSTW-Cable 010	BNC Cable	5 M BNC Cable	None	JYE BAO CO.,LTD.	2011/3/8	2012/3/7
ETSTW-Cable 011	BNC Cable	BNC Cable 1	None	JYE BAO CO.,LTD.	Pre-test Use NCR	
ETSTW-Cable 012	BNC Cable	BNC Cable 2	None	JYE BAO CO.,LTD.	2011/3/8	2012/3/7
ETSTW-Cable 013	Microwave Cable	SUCOFLEX 104（S_Cable 5）	232345	HUBER+SUHNER	Function Test	
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2011/3/4	2012/3/3
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2011/3/4	2012/3/3
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2011/3/4	2012/3/3
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2011/3/4	2012/3/3
ETSTW-Cable 022	N TYPE Cable	OATS Cable 3	0002	JYE BAO CO.,LTD.	2011/3/4	2012/3/3
ETSTW-Cable 023	BNC Cable	BNC Cable 3	None	JYE BAO CO.,LTD.	Function Test	
ETSTW-Cable 024	BNC Cable	BNC Cable 4	None	JYE BAO CO.,LTD.	Function Test	
ETSTW-Cable 025	BNC Cable	BNC Cable 5	None	JYE BAO CO.,LTD.	Function Test	
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2011/3/10	2012/3/9
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2011/3/10	2012/3/9
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2011/4/26	2012/4/25
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2011/4/26	2012/4/25
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104（S_Cable 9）	279067	SPECTRUM	2011/3/10	2012/3/9
ETSTW-Cable 031	Microwave Cable	SUCOFLEX 104（S_Cable 10）	238092	HUBER+SUHNER	2010/11/30	2011/11/29
ETSTW-Cable 039	Microwave Cable	SUCOFLEX 104（S_Cable 19）	316739	HUBER+SUHNER	2011/5/18	2012/5/17
ETSTW-Cable 040	Microwave Cable	SUCOFLEX 104（S_Cable 20）	316738	HUBER+SUHNER	Function Test	
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2010/11/30	2011/11/29
ETSTW-Cable 047	Microwave Cable	SUCOFLEX 104	325518	HUBER+SUHNER	2010/11/30	2011/11/29
ETSTW-Cable 051	BNC Cable	BNC Cable 6	None	JYE BAO CO.,LTD.	2011/3/31	2012/3/30
ETSTW-Cable 052	BNC Cable	Clamp Cable	None	Schwarz beck	2011/3/31	2012/3/30
ETSTW-Cable 053	N TYPE To SMA Cable	OATS Cable 4	None	JYE BAO CO.,LTD.	2011/3/4	2012/3/3
ETSTW-Cable 054	BNC To SMA Cable	OATS Cable 5	None	JYE BAO CO.,LTD.	2011/3/4	2012/3/3

WTSTW-SW 001	EMI TEST SOFTWARE	Harmonics-1000	None	EMC PARTNER	HARCS Version 4.16 Firmware Version 2.18
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version ETS-03A1
WTSTW-SW 003	EMS TEST SOFTWARE	i2	None	AUDIX	Version 3.2007-8-17b
WTSTW-SW 005	GSM Fading Level Correction	GSMFadLevCor	None	R&S	Version 1.66

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)(3)	☒	☒	☐
Equivalent radiated Power	15.247(b)(3)	☒	☒	☐
Spurious Emissions radiated – Transmitter operating	15.247(c): 15.209	☒	☒	☐
Band Edge Measurement	15.247(c)	☒	☒	☐
Minimum 6 dB Bandwidth	15.247(a)(2)	☒	☒	☐
Peak Power Spectral Density	15.247(d)	☒	☒	☐
Radiated Emission from Digital Part	15.109	☒	☒	☐
Power Line Conducted Emission	15.207	☒	☒	☐

Note:
The worst case mode was base on the investigations by measuring the peak and average power according to the description above. The detail of chosen mode for full testing are as below:

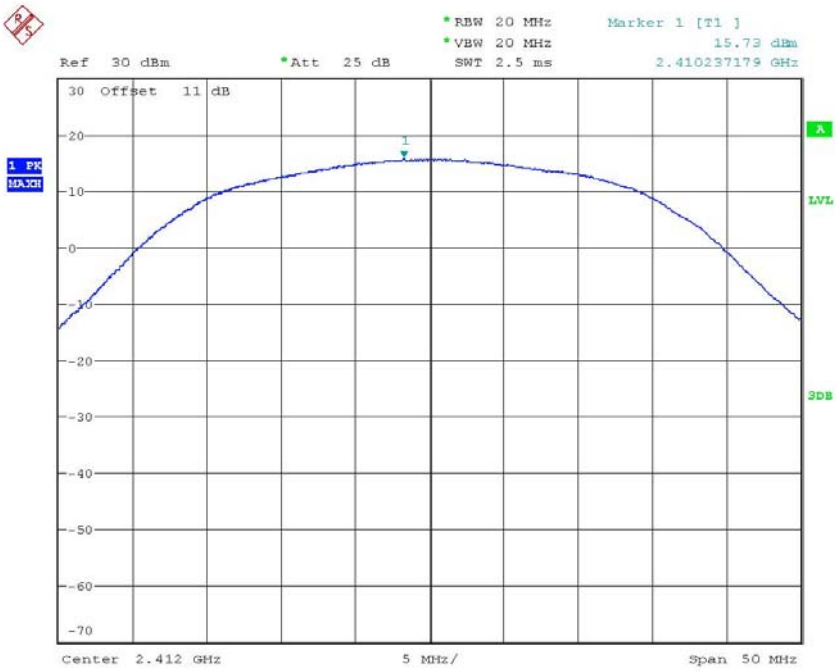
Mode	Available channel	Chosen Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11b	1 to 11	1,6,11	DSSS	DBPSK	1
802.11g	1 to 11	1,6,11	OFDM	BPSK	6
802.11n (20MHz)	1 to 11	1,6,11	OFDM	BPSK	6.5
802.11n (40MHz)	1 to 7	1,4,7	OFDM	BPSK	13.5

3.1 Peak Output Power (transmitter)

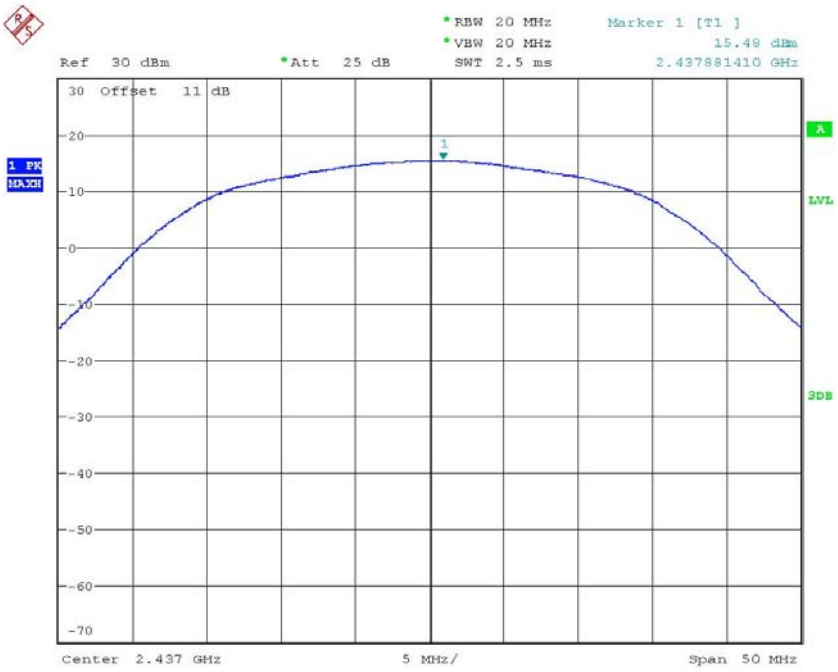
FCC Rule: 15.247(b)(3)

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.

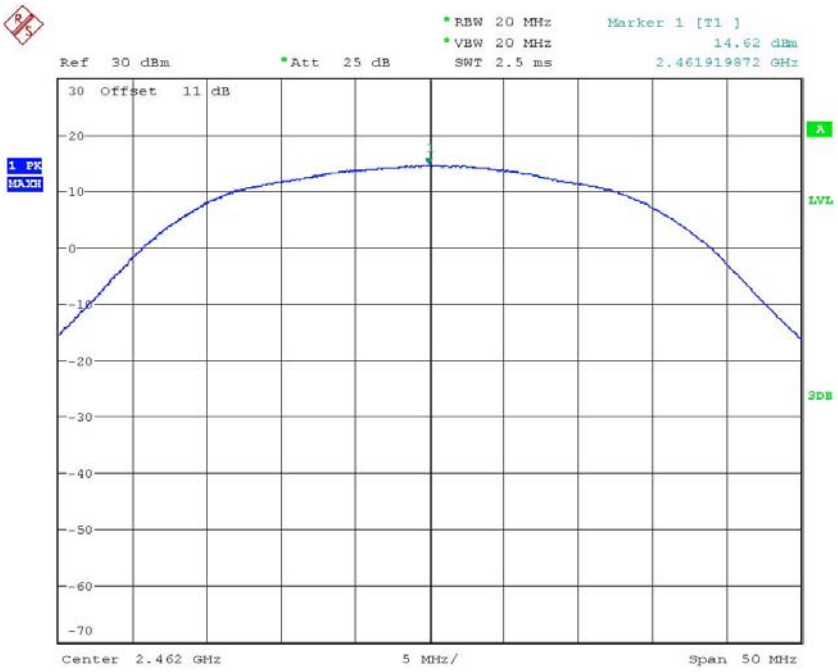
The power was measured with modulation (declared by the applicant).



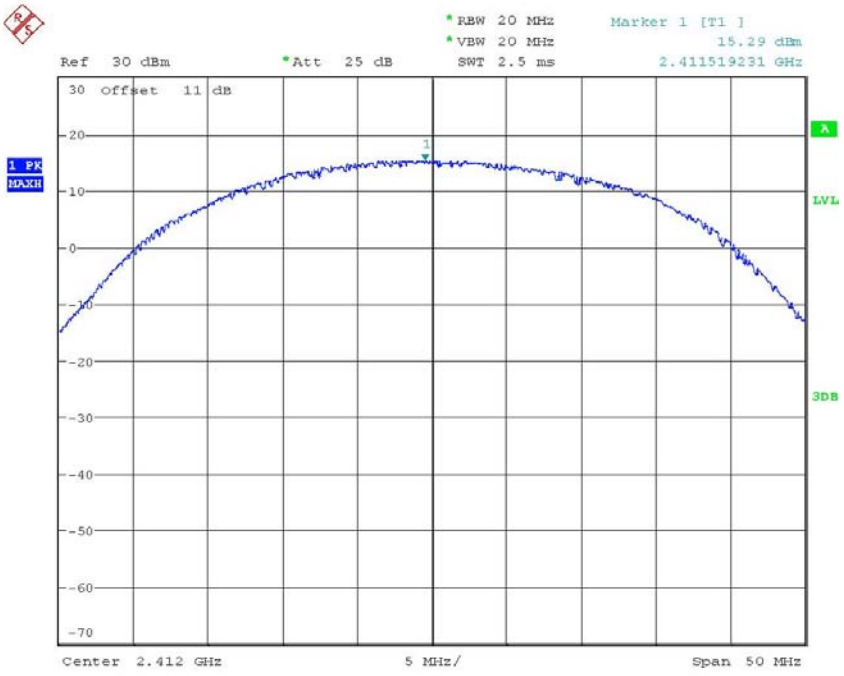
MAX OUTPUT POWER 802.11B CH01
Date: 17.JUN.2011 06:55:43



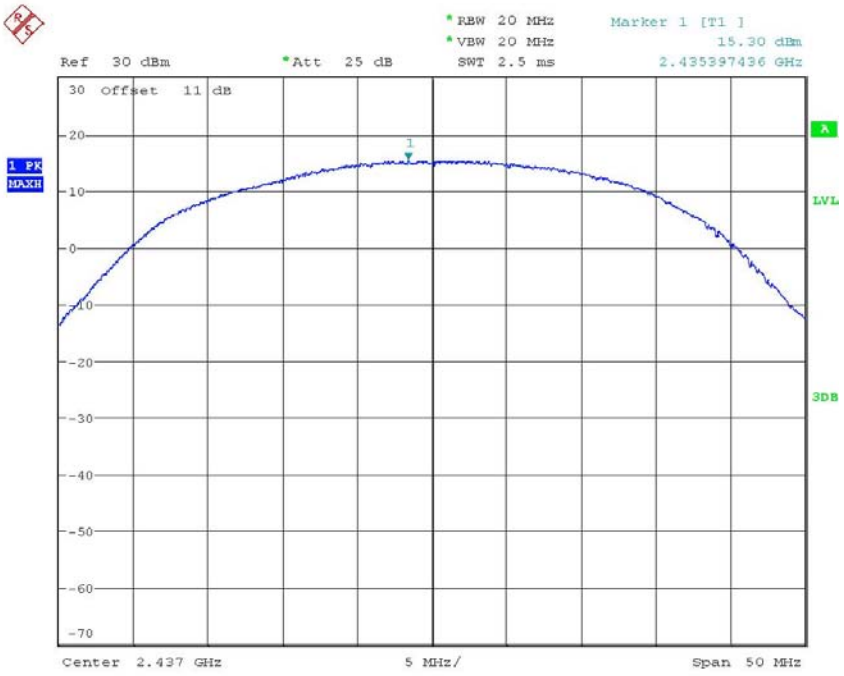
MAX OUTPUT POWER 802.11B CH06
Date: 17.JUN.2011 06:59:07



MAX OUTPUT POWER 802.11B CH11
Date: 17.JUN.2011 07:02:31

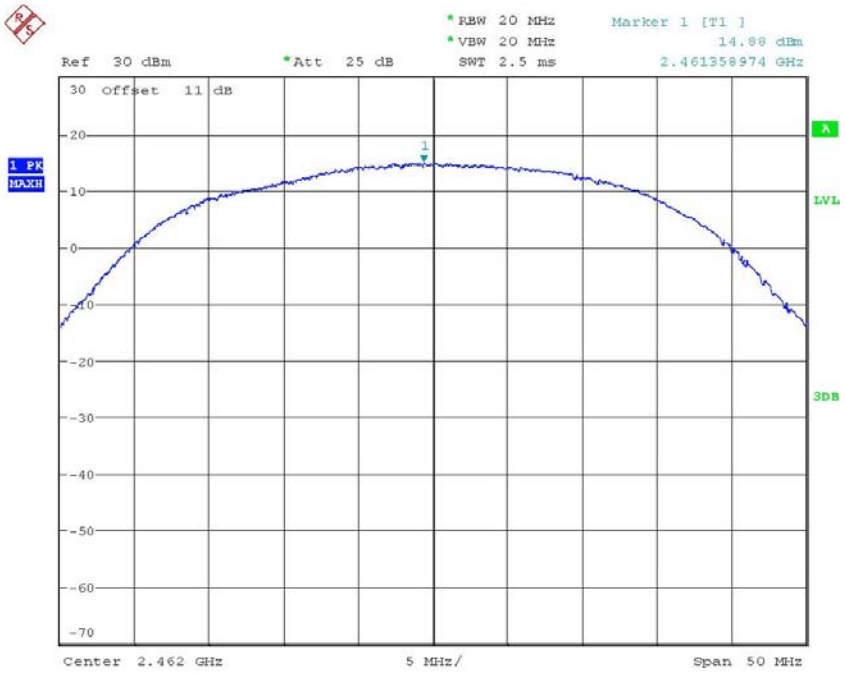


MAX OUTPUT POWER 802.11G CH01
Date: 17.JUN.2011 07:08:42

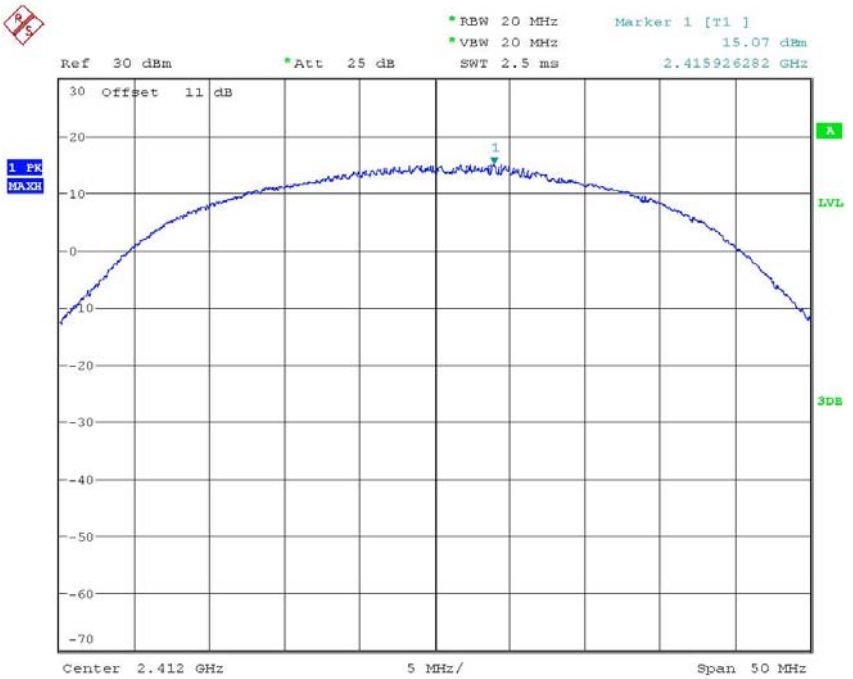


MAX OUTPUT POWER 802.11G CH06
Date: 17.JUN.2011 07:23:34

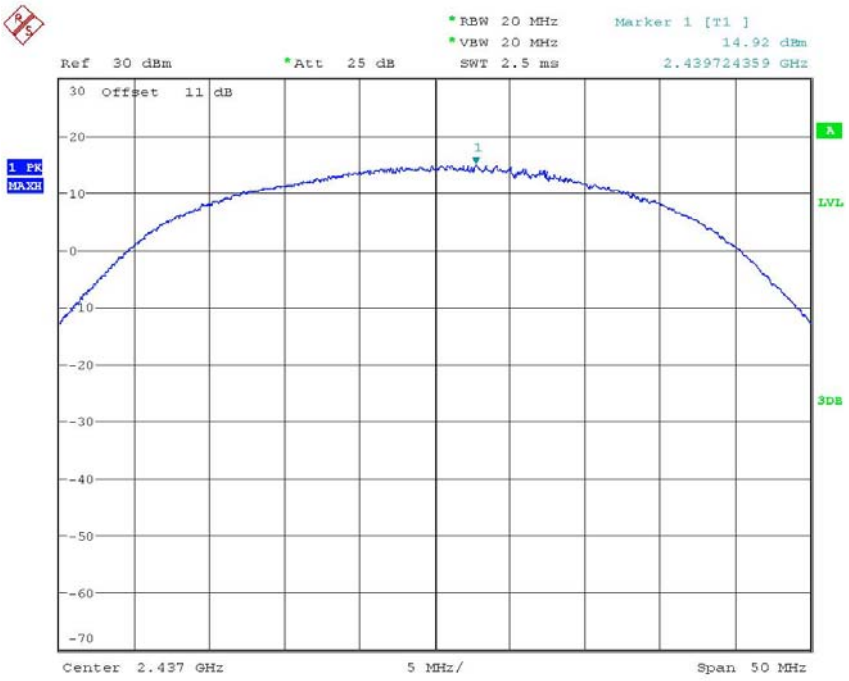
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB



MAX OUTPUT POWER 802.11G CH11
Date: 17.JUN.2011 07:12:30

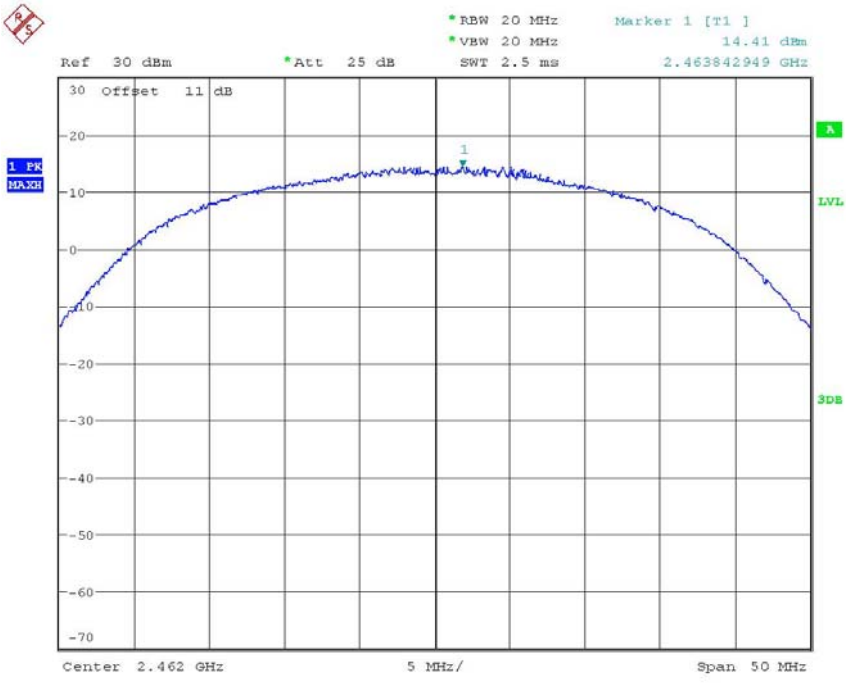


MAX OUTPUT POWER 802.11N 20MHz CH01
Date: 17.JUN.2011 07:33:10



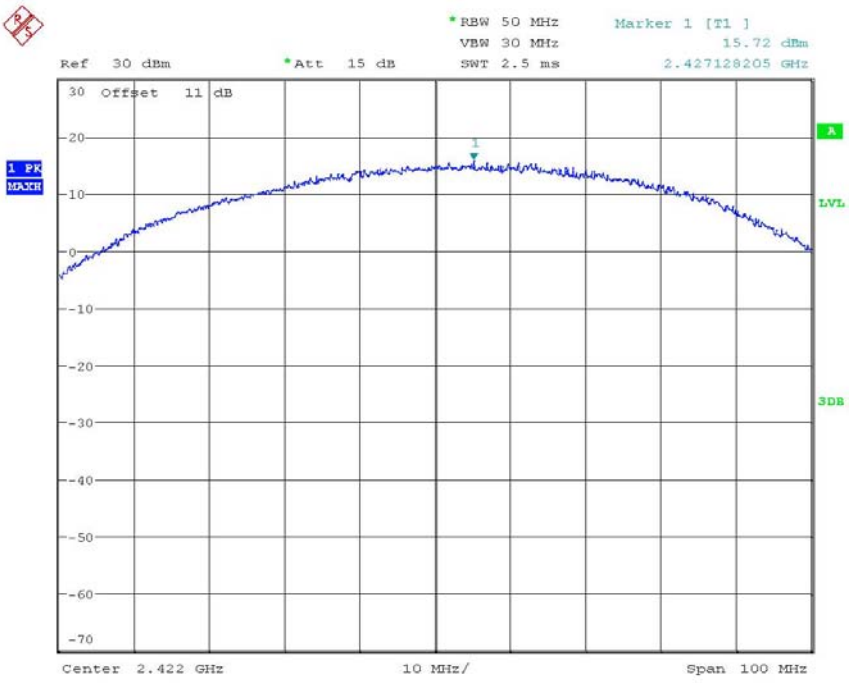
MAX OUTPUT POWER 802.11N 20MHz CH06

Date: 17.JUN.2011 07:36:30



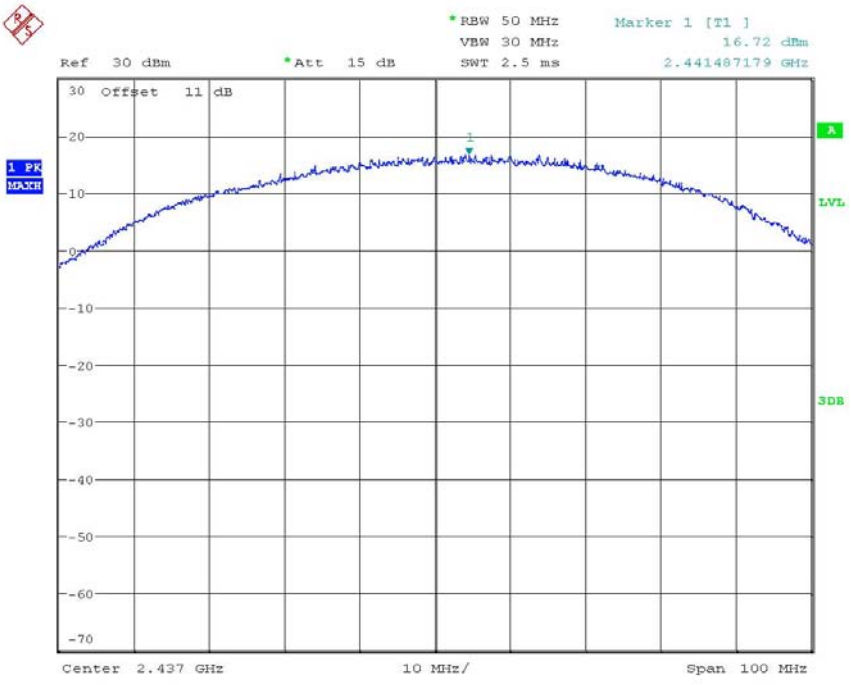
MAX OUTPUT POWER 802.11N 20MHz CH11

Date: 17.JUN.2011 07:39:10



MAX OUTPUT POWER 802.11N 40MHZ CH01

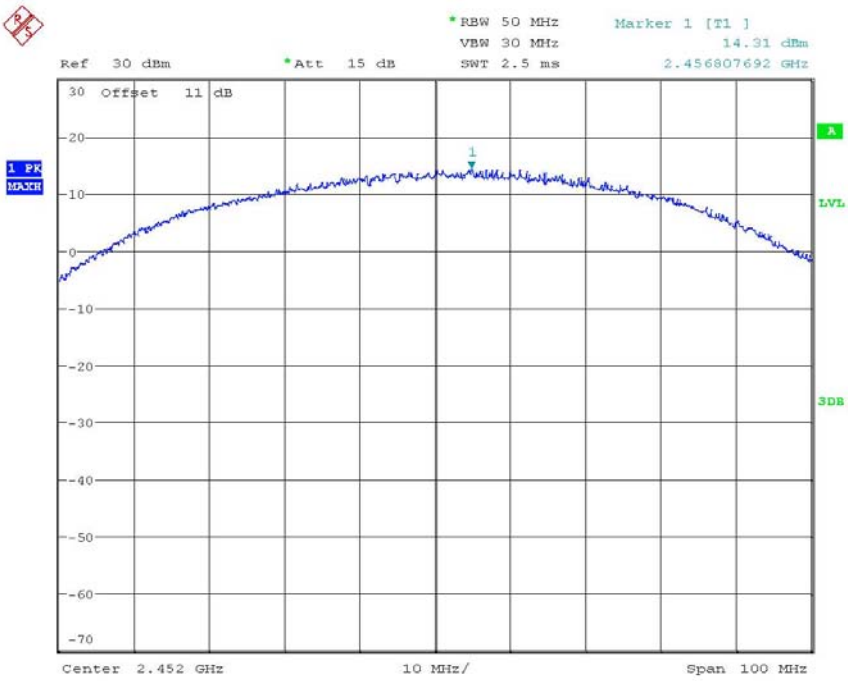
Date: 17.JUN.2011 07:43:38



MAX OUTPUT POWER 802.11N 40MHZ CH04

Date: 17.JUN.2011 07:46:54

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB



Test condition T_{nom}= --°C, V_{nom} = -- V	Signal Field strength TX highest power mode dB μ V/m
Frequency [MHz]	--
--	

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

3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain
EIRP = 16.72 dBm + 5 dBi
= 21.72 dBm
Limit: EIRP = +36 dBm for Antenna gain < 6 dBi

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

Item	Unit	Value	**Remarks**
P	mW	46.98	Peak value
D	dB		
AG	dBi	5	
G		3.16	Calculated Value
R	cm	20	Assumed value
S	mW/cm^2	0.0295	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)

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 028, ETSTW-RE 029, ETSTW-RE 030, ETSTW-RE 044

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

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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".

Model: WN-370USB Date: 2011/6/21
Mode: 802.11 B CH1 Temperature: 24 °C Engineer: Rick
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)
73.2866	12.88	peak	12.01	24.89	40.00	-15.11	210	100
610.0200	2.91	peak	22.84	25.75	46.00	-20.25	270	100

Polarization: Horizontal

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)
4825.6510	45.20	---	4.57	49.77	---	74.00	54.00	-24.23	270	100
7246.4930	44.90	---	6.93	51.83	---	74.00	54.00	-22.17	230	100
9648.0000	34.44	---	9.49	43.93	---	74.00	54.00	-30.07	150	100
12060.0000	33.96	---	13.62	47.58	---	74.00	54.00	-26.42	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)
166.3527	15.29	peak	15.73	31.02	43.50	-12.48	280	100
402.4048	10.45	peak	18.43	28.88	46.00	-17.12	300	100

Polarization: Vertical

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)
4825.6510	42.94	---	4.57	47.51	---	74.00	54.00	-26.49	300	100
7238.4770	42.21	---	6.93	49.14	---	74.00	54.00	-24.86	140	100
9648.0000	35.35	---	9.49	44.84	---	74.00	54.00	-29.16	270	100
12060.0000	33.29	---	13.62	46.91	---	74.00	54.00	-27.09	120	100

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FCC ID: ODMWN370USB

Mode: 802.11B CH6
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
165.2705	13.32	peak	15.78	29.10	43.50	-14.40	250	100
406.6132	8.75	peak	18.52	27.27	46.00	-18.73	200	100

Polarization: Horizontal

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)
4873.7480	43.45	---	4.59	48.04	---	74.00	54.00	-25.96	200	100
7318.6370	44.30	---	6.92	51.22	---	74.00	54.00	-22.78	80	100
9748.0000	34.41	---	9.63	44.04	---	74.00	54.00	-29.96	90	100
12185.0000	34.57	---	14.66	49.23	---	74.00	54.00	-24.77	260	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
165.8116	14.37	peak	15.75	30.12	43.50	-13.38	210	100
405.2104	9.59	peak	18.49	28.08	46.00	-17.92	230	100

Polarization: Vertical

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)
4874.0000	40.51	---	4.59	45.10	---	74.00	54.00	-28.90	100	100
7311.0000	40.64	---	6.93	47.57	---	74.00	54.00	-26.43	120	100
9748.0000	34.70	---	9.63	44.33	---	74.00	54.00	-29.67	20	100
12185.0000	34.41	---	14.66	49.07	---	74.00	54.00	-24.93	130	100

Mode: 802.11B CH11
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
162.5651	11.56	peak	15.92	27.48	43.50	-16.02	210	100
402.4048	9.41	peak	18.43	27.84	46.00	-18.16	150	100

Registration number: W6D21105-11474-C-1
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Polarization: Horizontal

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)
4921.8440	43.79	---	4.67	48.46	---	74.00	54.00	-25.54	260	100
7398.7980	44.63	---	6.82	51.45	---	74.00	54.00	-22.55	120	100
9848.0000	33.86	---	9.77	43.63	---	74.00	54.00	-30.37	220	100
12310.0000	32.53	---	14.27	46.80	---	74.00	54.00	-27.20	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)
165.8116	14.89	peak	15.75	30.64	43.50	-12.86	170	100
402.4048	12.30	peak	18.43	30.73	46.00	-15.27	240	100

Polarization: Vertical

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)
4924.0000	41.17	---	4.68	45.85	---	74.00	54.00	-28.15	125	100
7386.0000	40.01	---	6.84	46.85	---	74.00	54.00	-27.15	100	100
9848.0000	33.60	---	9.77	43.37	---	74.00	54.00	-30.63	160	100
12310.0000	34.16	---	14.27	48.43	---	74.00	54.00	-25.57	90	100

Mode: 802.11G CH1
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
73.2866	13.01	peak	12.01	25.02	40.00	-14.98	250	100
402.4048	9.31	peak	18.43	27.74	46.00	-18.26	270	100

Polarization: Horizontal

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)
4817.6350	42.67	---	4.57	47.24	---	74.00	54.00	-26.76	220	100
7238.4770	51.45	43.58	6.93	58.38	50.51	74.00	54.00	-3.49	125	100
9648.0000	34.45	---	9.49	43.94	---	74.00	54.00	-30.06	220	100
12060.0000	33.63	---	13.62	47.25	---	74.00	54.00	-26.75	130	100

Registration number: W6D21105-11474-C-1
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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)
167.9760	15.11	peak	15.64	30.75	43.50	-12.75	170	100
403.8076	10.94	peak	18.46	29.40	46.00	-16.60	300	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)		Factor (dB)	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.			
4824.0000	41.66	---	4.57	46.23	---	74.00	54.00	-27.77	210	100
7236.0000	41.37	---	6.93	48.30	---	74.00	54.00	-25.70	125	100
9648.0000	34.49	---	9.49	43.98	---	74.00	54.00	-30.02	130	100
12060.000	34.79	---	13.62	48.41	---	74.00	54.00	-25.59	200	100

Mode: 802.11g CH6
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
165.2705	12.46	peak	15.78	28.24	43.50	-15.26	230	100
403.8076	9.02	peak	18.46	27.48	46.00	-18.52	130	100

Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)		Factor (dB)	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.			
4881.7640	43.17	---	4.59	47.76	---	74.00	54.00	-26.24	120	100
7310.6210	45.17	---	6.93	52.10	---	74.00	54.00	-21.90	250	100
9648.0000	34.04	---	9.49	43.53	---	74.00	54.00	-30.47	220	100
12060.0000	33.98	---	13.62	47.60	---	74.00	54.00	-26.40	150	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
73.8277	15.98	peak	11.90	27.88	40.00	-12.12	230	100
403.8076	11.73	peak	18.46	30.19	46.00	-15.81	130	100

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Polarization: Vertical

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)
4874.0000	41.59	---	4.59	46.18	---	74.00	54.00	-27.82	220	100
7311.0000	39.98	---	6.93	46.91	---	74.00	54.00	-27.09	310	100
9748.0000	33.88	---	9.63	43.51	---	74.00	54.00	-30.49	120	100
12185.0000	32.75	---	14.66	47.41	---	74.00	54.00	-26.59	40	100

Mode: 802.11g CH11
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
164.7295	11.73	peak	15.81	27.54	43.50	-15.96	250	100
406.6132	8.47	peak	18.52	26.99	46.00	-19.01	120	100

Polarization: Horizontal

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)
4921.8440	42.78	---	4.67	47.45	---	74.00	54.00	-26.55	150	100
7390.7820	44.16	---	6.83	50.99	---	74.00	54.00	-23.01	270	100
9848.0000	34.73	---	9.77	44.50	---	74.00	54.00	-29.50	120	100
12310.0000	54.00	---	14.27	48.46	---	74.00	54.00	-25.54	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)
73.2866	15.47	peak	12.01	27.48	40.00	-12.52	120	100
405.2104	9.75	peak	18.49	28.24	46.00	-17.76	150	100

Polarization: Vertical

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)
4921.8440	42.33	---	4.67	47.00	---	74.00	54.00	-27.00	125	100
7390.7820	41.69	---	6.83	48.52	---	74.00	54.00	-25.48	100	100
9848.0000	34.33	---	9.77	44.10	---	74.00	54.00	-29.90	250	100
12310.0000	32.38	---	14.27	46.65	---	74.00	54.00	-27.35	130	100

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Mode: 802.11n20M Ch1
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
164.7295	11.31	peak	15.81	27.12	43.50	-16.38	120	100
403.8076	10.50	peak	18.46	28.96	46.00	-17.04	140	100

Polarization: Horizontal

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	42.64	---	4.57	47.21	---	74.00	54.00	-26.79	240	100
7238.4770	43.61	---	6.93	50.54	---	74.00	54.00	-23.46	160	100
9648.0000	34.83	---	9.49	44.32	---	74.00	54.00	-29.68	220	100
12060.0000	33.87	---	13.62	47.49	---	74.00	54.00	-26.51	80	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
165.8116	15.14	peak	15.75	30.89	43.50	-12.61	230	100
405.2104	8.97	peak	18.49	27.46	46.00	-18.54	120	100

Polarization: Vertical

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	41.14	---	4.57	45.71	---	74.00	54.00	-28.29	110	100
7236.0000	40.96	---	6.93	47.89	---	74.00	54.00	-26.11	125	100
9648.0000	34.26	---	9.49	43.75	---	74.00	54.00	-30.25	50	100
12060.0000	32.80	---	13.62	46.42	---	74.00	54.00	-27.58	130	100

Mode: 802.11n20M CH6
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
166.8938	11.65	peak	15.70	27.35	43.50	-16.15	120	100
403.8076	9.79	peak	18.46	28.25	46.00	-17.75	280	100

Polarization: Horizontal

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)
4881.7640	41.27	---	4.59	45.86	---	74.00	54.00	-28.14	130	100
7310.6210	43.07	---	6.93	50.00	---	74.00	54.00	-24.00	280	100
9748.0000	34.14	---	9.63	43.77	---	74.00	54.00	-30.23	220	100
12131.263	35.31	---	14.19	49.50	---	74.00	54.00	-24.50	310	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
167.9760	14.25	peak	15.64	29.89	43.50	-13.61	250	100
402.4048	9.88	peak	18.43	28.31	46.00	-17.69	280	100

Polarization: Vertical

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)
4874.0000	41.06	---	4.59	45.65	---	74.00	54.00	-28.35	220	100
7311.0000	40.47	---	6.93	47.40	---	74.00	54.00	-26.60	125	100
9748.0000	33.10	---	9.63	42.73	---	74.00	54.00	-31.27	220	100
12185.0000	33.26	---	14.66	47.92	---	74.00	54.00	-26.08	120	100

Mode: 802.11n20M CH11
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
73.8277	12.55	peak	11.90	24.45	40.00	-15.55	210	100
402.4048	9.29	peak	18.43	27.72	46.00	-18.28	290	100

Polarization: Horizontal

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)
4921.8440	43.49	---	4.67	48.16	---	74.00	54.00	-25.84	220	100
7390.7820	44.76	---	6.83	51.59	---	74.00	54.00	-22.41	70	100
9848.0000	34.26	---	9.77	44.03	---	74.00	54.00	-29.97	215	100
12310.000	32.50	---	14.27	46.77	---	74.00	54.00	-27.23	80	100

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
167.9760	16.66	peak	15.64	32.30	43.50	-11.20	230	100
403.8076	8.72	peak	18.46	27.18	46.00	-18.82	160	100

Polarization: Vertical

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	41.37	---	4.68	46.05	---	74.00	54.00	-27.95	220	100
7386.0000	41.01	---	6.84	47.85	---	74.00	54.00	-26.15	125	100
9848.0000	33.83	---	9.77	43.60	---	74.00	54.00	-30.40	220	100
12310.0000	32.92	---	14.27	47.19	---	74.00	54.00	-26.81	130	100

Mode: 802.11n40M CH1
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
164.1884	10.83	peak	15.84	26.67	43.50	-16.83	100	100
408.0160	7.82	peak	18.55	26.37	46.00	-19.63	140	100

Polarization: Horizontal

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)
4817.6350	43.85	---	4.57	48.42	---	74.00	54.00	-25.58	80	100
7236.0000	41.00	---	6.93	47.93	---	74.00	54.00	-26.07	50	100
9648.0000	34.88	---	9.49	44.37	---	74.00	54.00	-29.63	220	100
12060.0000	32.94	---	13.62	46.56	---	74.00	54.00	-27.44	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)
73.8277	15.49	peak	11.90	27.39	40.00	-12.61	160	100
402.4048	10.57	peak	18.43	29.00	46.00	-17.00	170	100

Polarization: Vertical

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)
4817.6350	44.75	---	4.57	49.32	---	74.00	54.00	-24.68	120	100
7236.0000	41.12	---	6.93	48.05	---	74.00	54.00	-25.95	140	100
9648.0000	35.08	---	9.49	44.57	---	74.00	54.00	-29.43	110	100
12060.0000	32.36	---	13.62	45.98	---	74.00	54.00	-28.02	50	100

Mode: 802.11n40M CH4
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
73.2866	12.00	peak	12.01	24.01	40.00	-15.99	160	100
406.6132	11.42	peak	18.52	29.94	46.00	-16.06	220	100

Polarization: Horizontal

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)
4874.0000	40.68	---	4.59	45.27	---	74.00	54.00	-28.73	220	100
7311.0000	40.08	---	6.93	47.01	---	74.00	54.00	-26.99	50	100
9748.0000	33.33	---	9.63	42.96	---	74.00	54.00	-31.04	220	100
12185.0000	33.00	---	14.66	47.66	---	74.00	54.00	-26.34	50	150

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
73.8277	15.24	peak	11.90	27.14	40.00	-12.86	270	100
405.2104	12.56	peak	18.49	31.05	46.00	-14.95	100	100

Polarization: Vertical

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)
4874.0000	40.89	---	4.59	45.48	---	74.00	54.00	-28.52	200	100
7311.0000	40.26	---	6.93	47.19	---	74.00	54.00	-26.81	310	150
9748.0000	33.93	---	9.63	43.56	---	74.00	54.00	-30.44	320	100
12185.0000	33.06	---	14.66	47.72	---	74.00	54.00	-26.28	250	150

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Mode: 802.11n40M CH7
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
166.8938	10.37	peak	15.70	26.07	43.50	-17.43	130	100
403.8076	9.30	peak	18.46	27.76	46.00	-18.24	170	100

Polarization: Horizontal

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	40.82	---	4.61	45.43	---	74.00	54.00	-28.57	300	100
7356.0000	38.93	---	6.87	45.80	---	74.00	54.00	-28.20	110	100
9808.0000	34.96	---	9.75	44.71	---	74.00	54.00	-29.29	170	100
12260.0000	33.28	---	14.47	47.75	---	74.00	54.00	-26.25	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)
166.8938	10.37	peak	15.70	26.07	43.50	-17.43	130	100
405.2104	10.83	peak	18.49	29.32	46.00	-16.68	160	100

Polarization: Vertical

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	41.31	---	4.61	45.92	---	74.00	54.00	-28.08	60	100
7356.0000	39.91	---	6.87	46.78	---	74.00	54.00	-27.22	280	100
9808.0000	34.01	---	9.75	43.76	---	74.00	54.00	-30.24	110	100
12260.0000	31.95	---	14.47	46.42	---	74.00	54.00	-27.58	230	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. **See the attached diagram as appendix.**

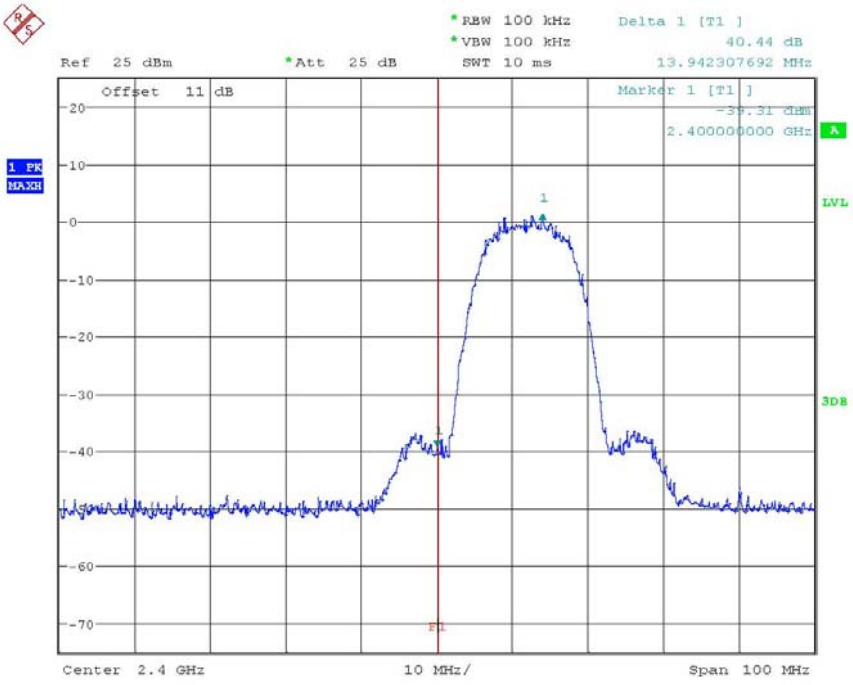
TEST RESULT (Transmitter): The unit DOES meet the FCC requirements.

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 028, ETSTW-RE 029, ETSTW-RE 030, ETSTW-RE 044

3.6 Radiated Emission on the band edge

According to FCC rules part 15 subpart C §15.247(c) 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.



BANDEDGE 802.11B CH01
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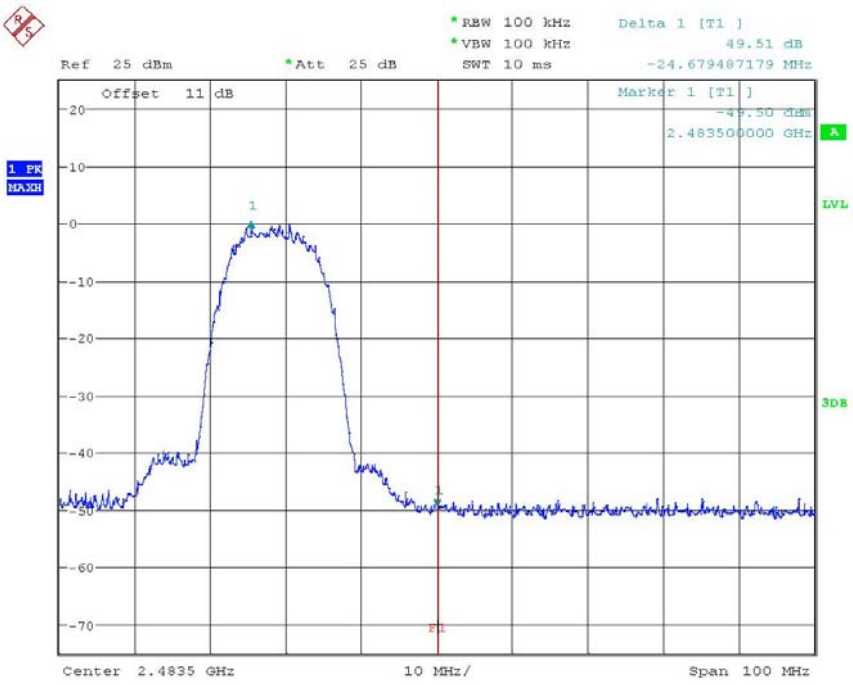

BANDEDGE 802.11B CH11

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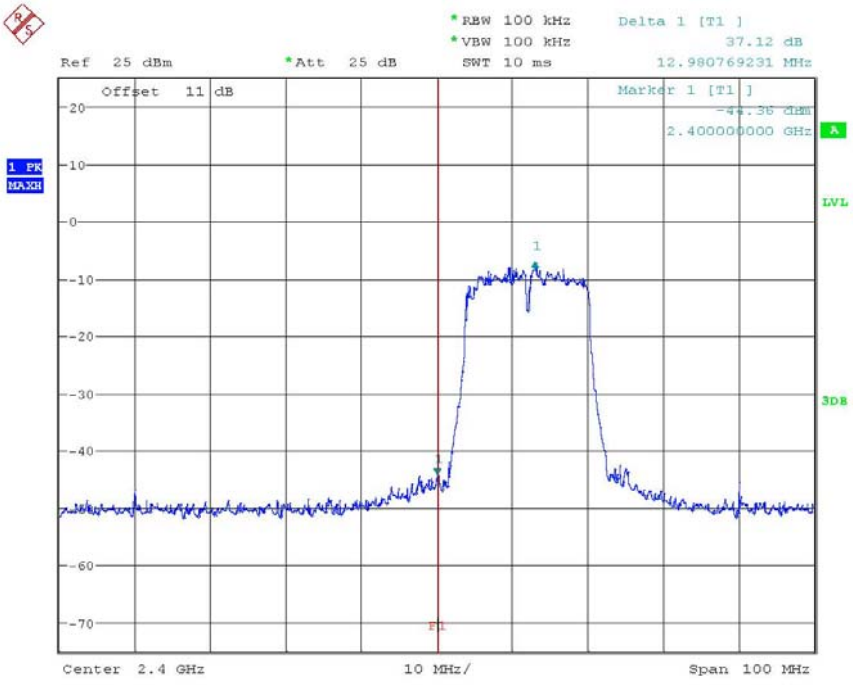

BANDEDGE 802.11G CH01

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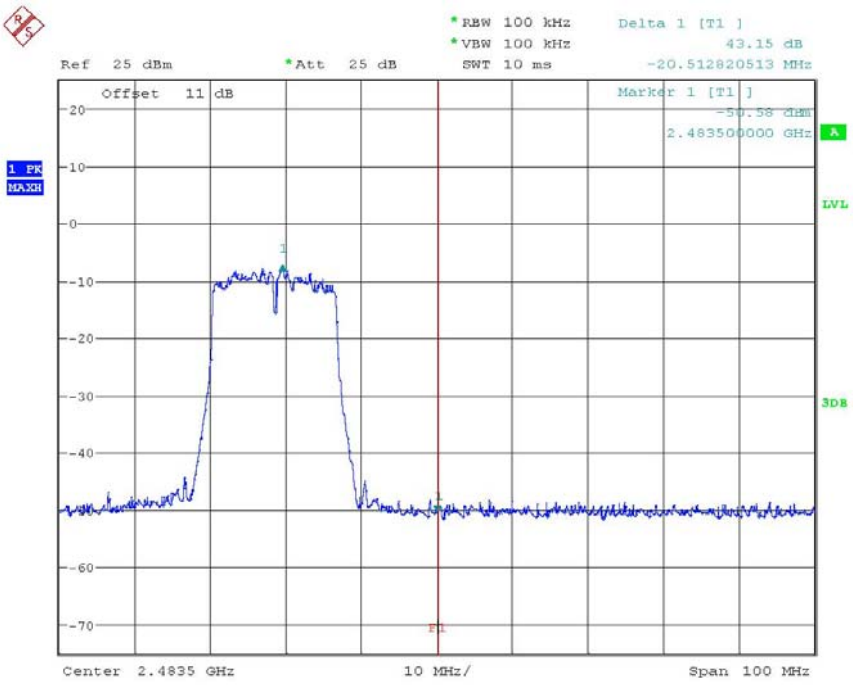

BANDEDGE 802.11G CH11

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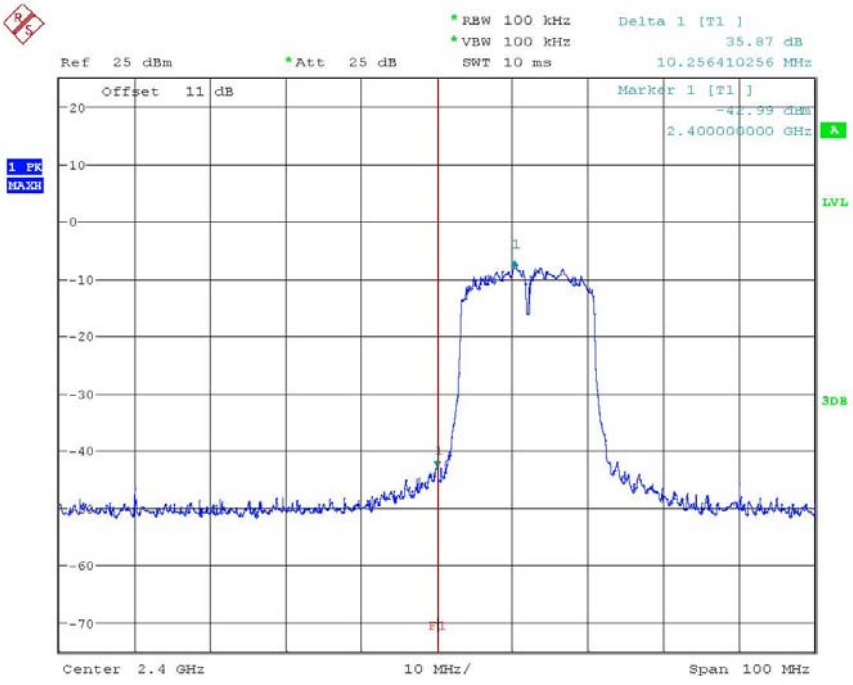
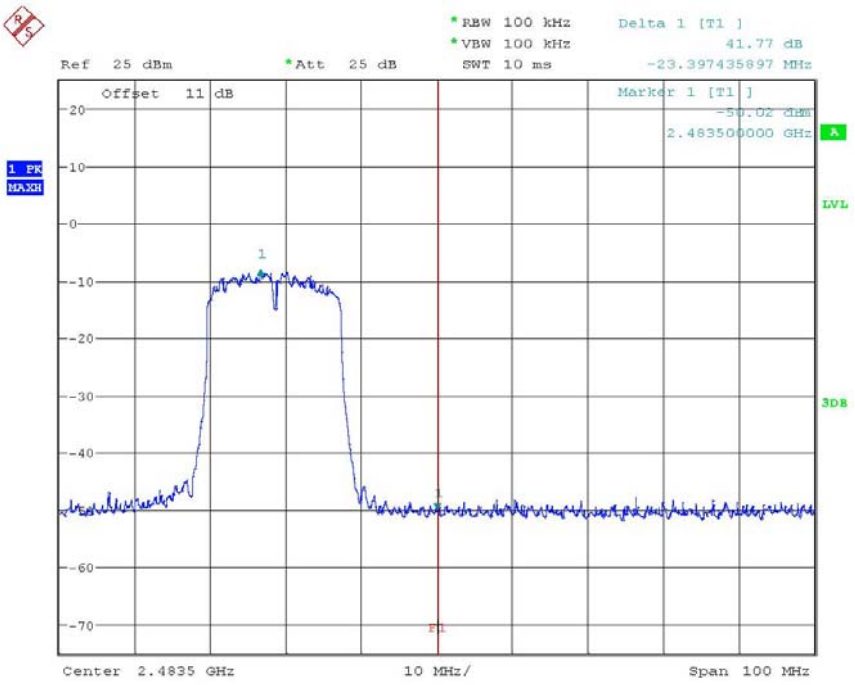


BANDEDGE 802.11N 20MHZ CH01

Date: 17.JUN.2011 07:33:59

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB



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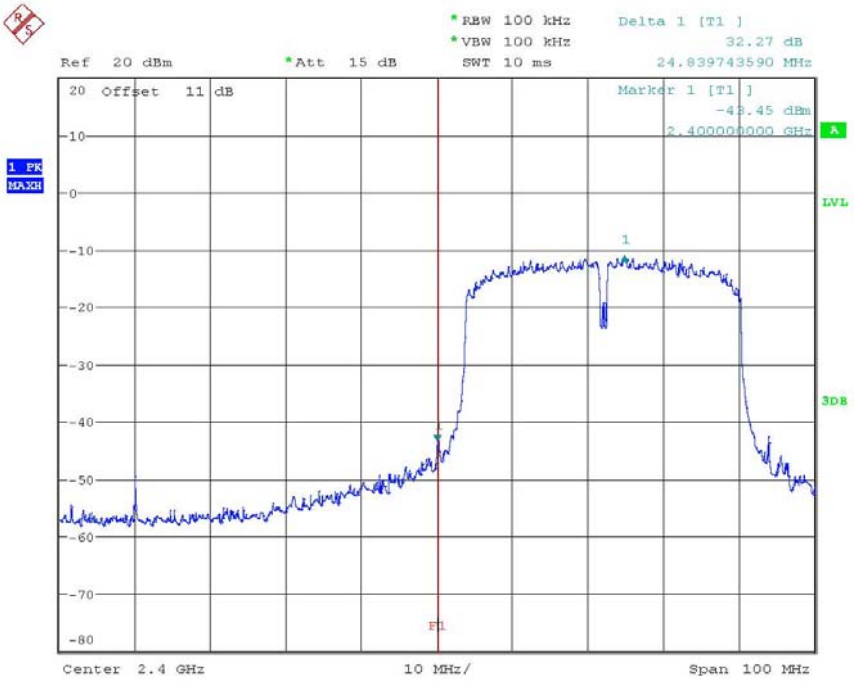

BANDEDGE 802.11N 40MHZ CH01
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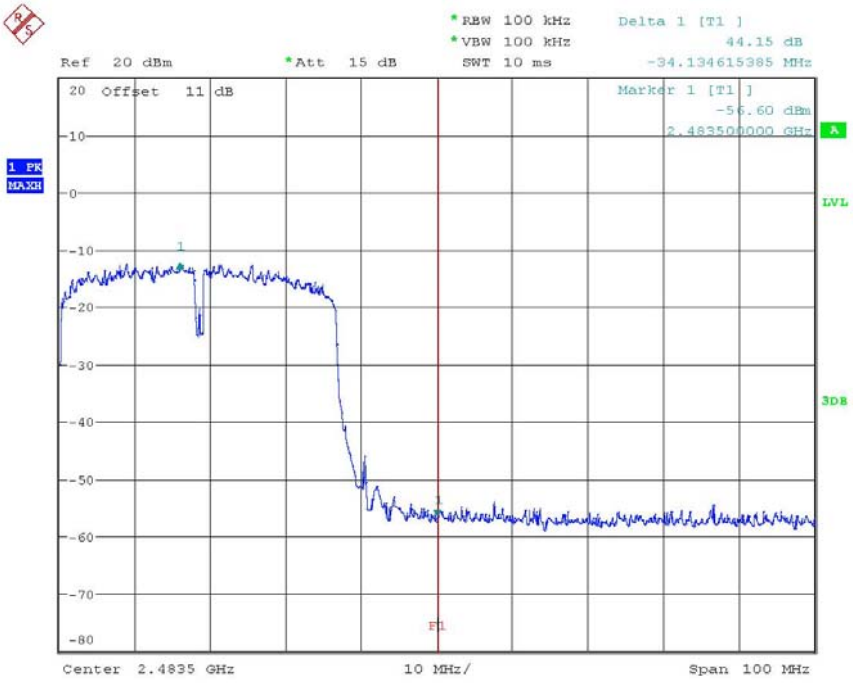
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB



BANDEDGE 802.11N 40MHZ CH7
Date: 17.JUN.2011 07:52:18

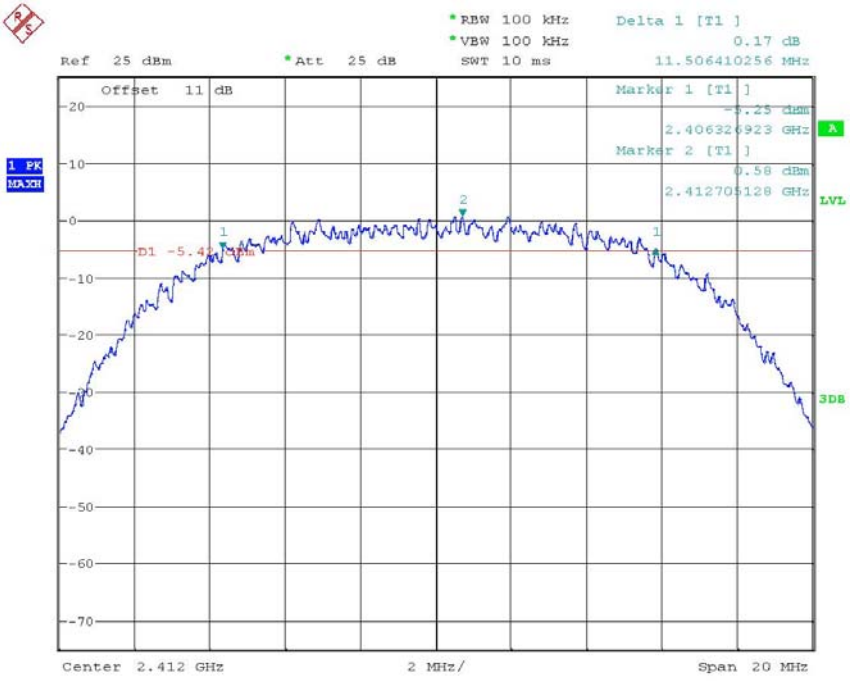
Limit:

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

Test equipment used: ETSTW-RE 055

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.



6DB BANDWIDTH 802.11B CH01
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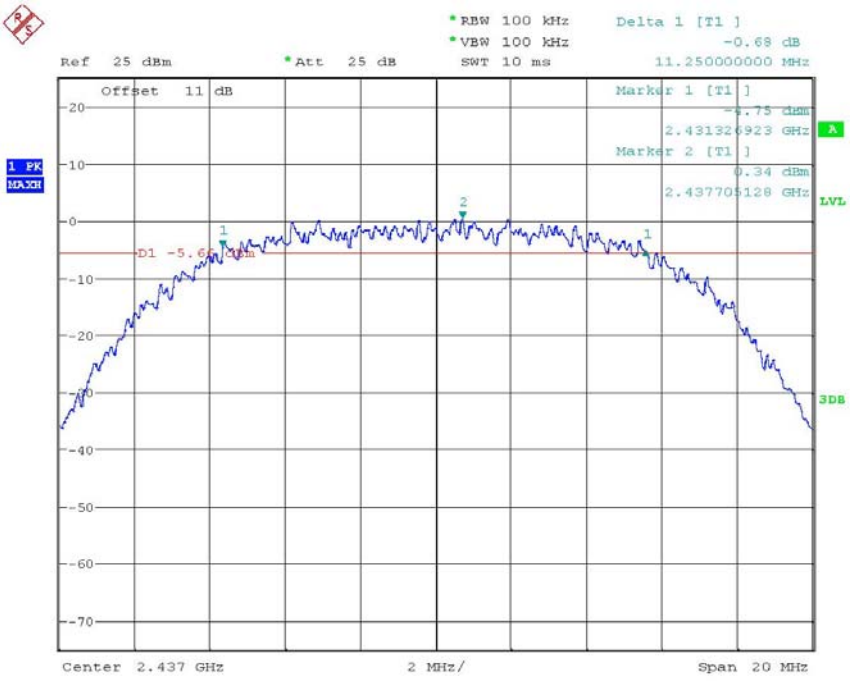

6DB BANDWIDTH 802.11B CH06

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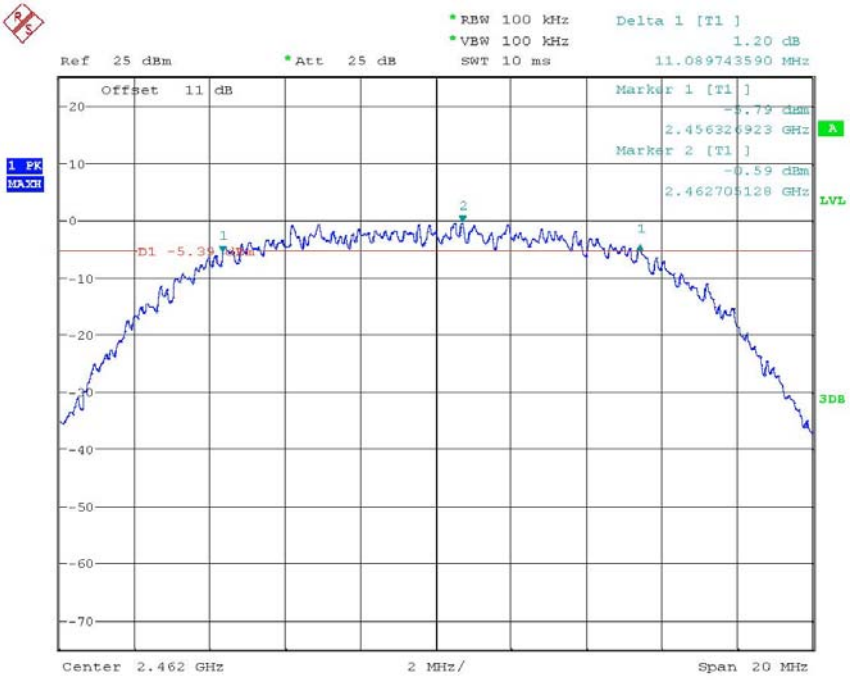

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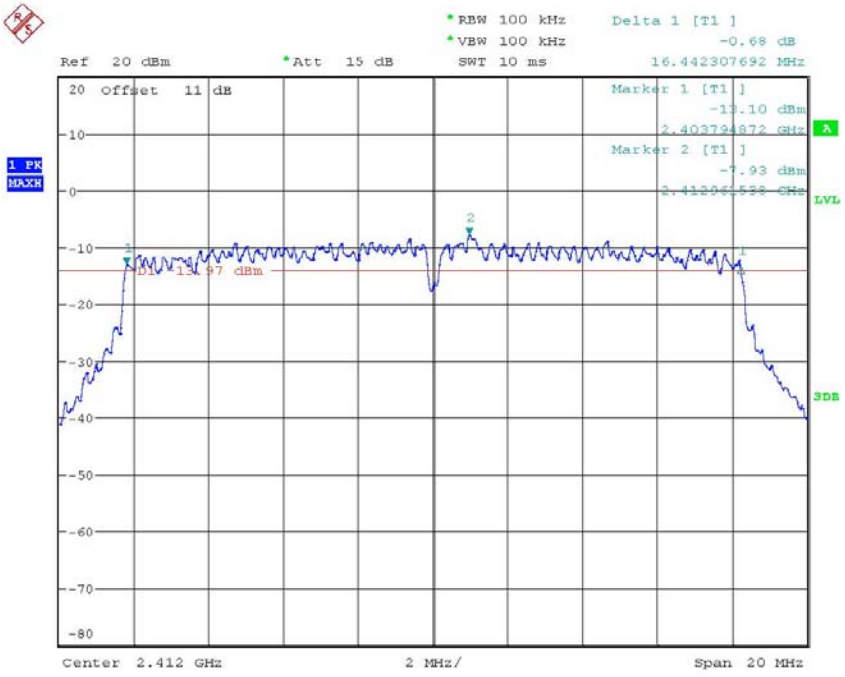
Date: 17.JUN.2011 07:07:21

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB



6DB BANDWIDTH 802.11G CH1
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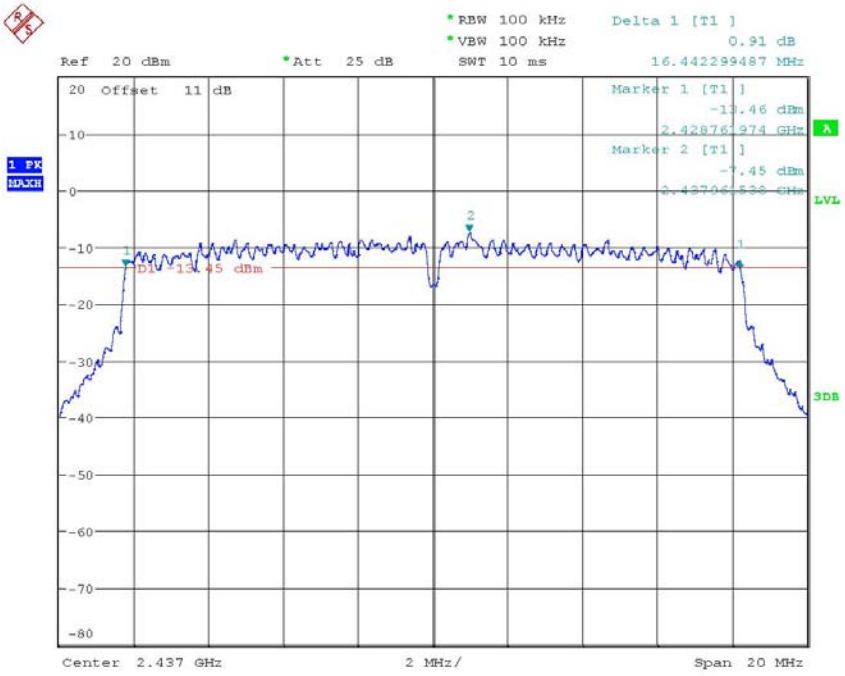

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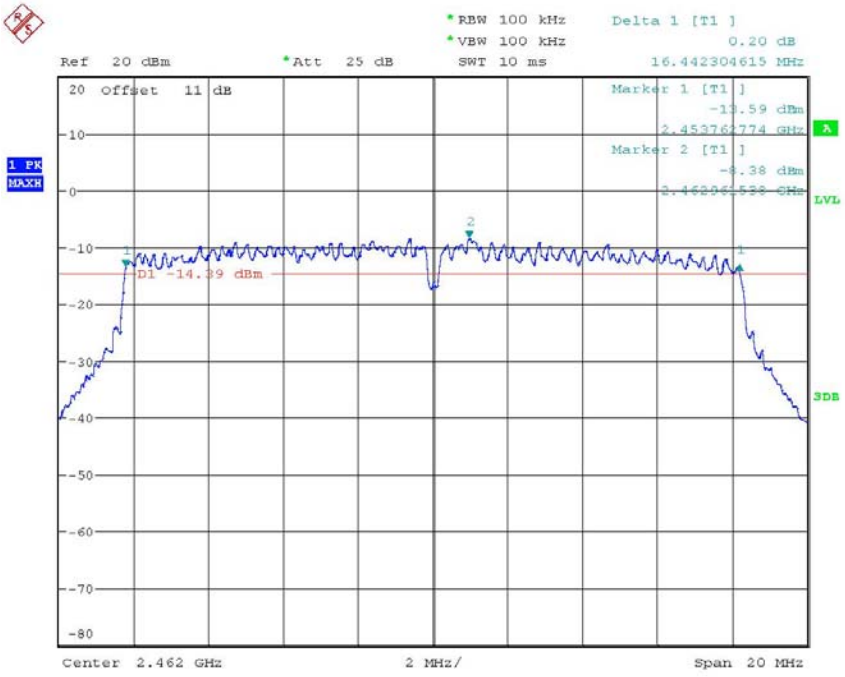

6DB BANDWIDTH 802.11G CH11

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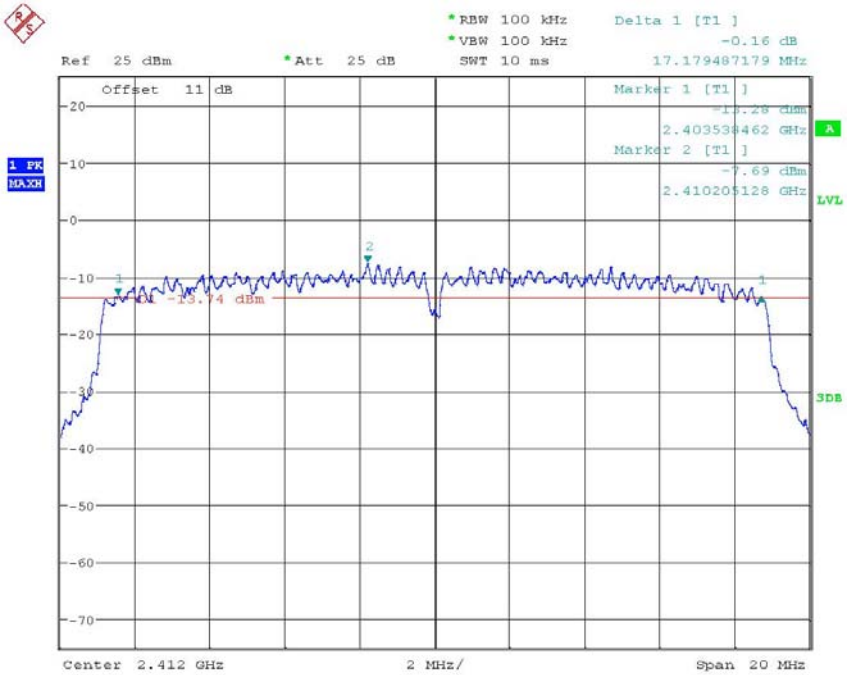

6DB BANDWIDTH 802.11N 20M CH01

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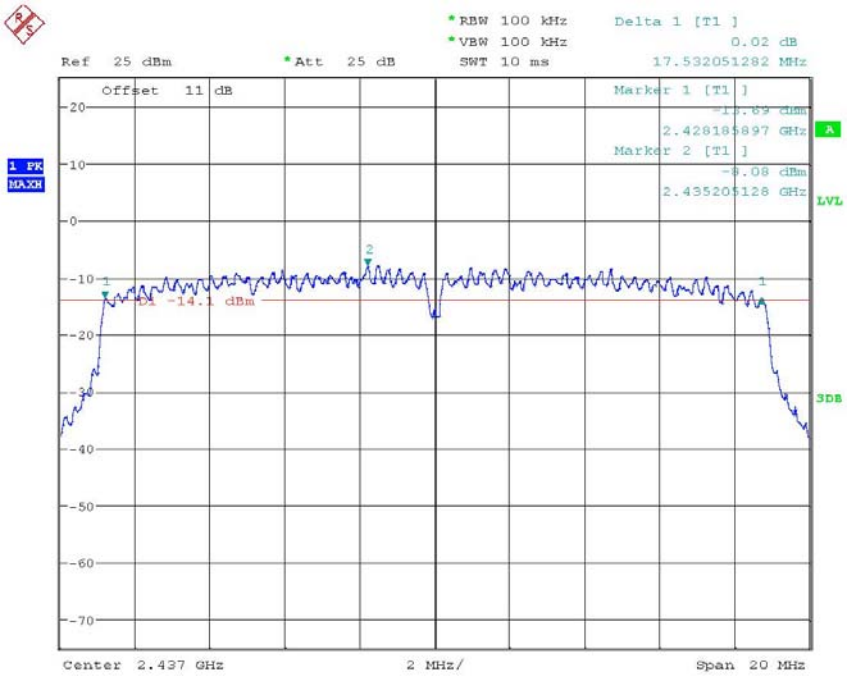
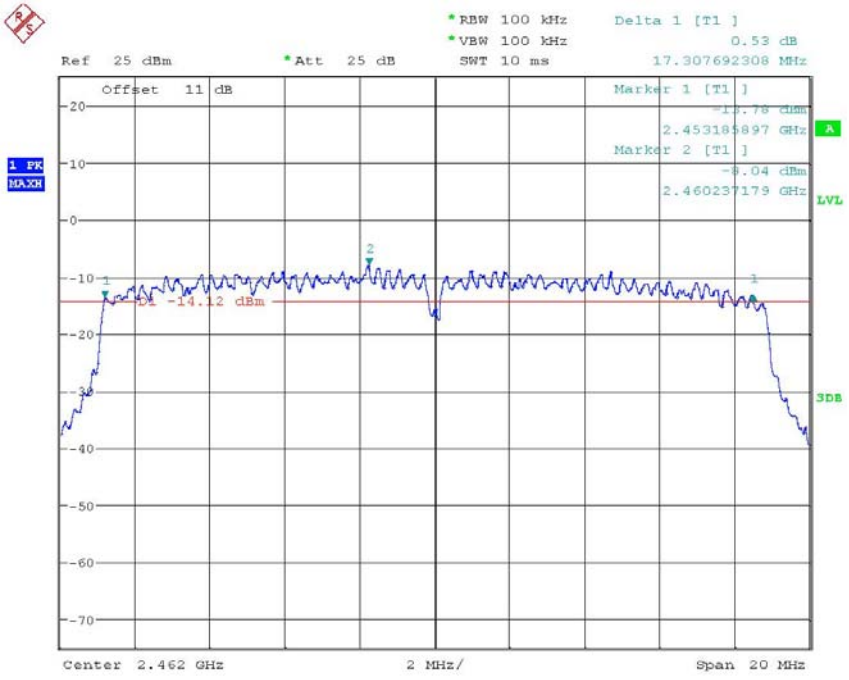


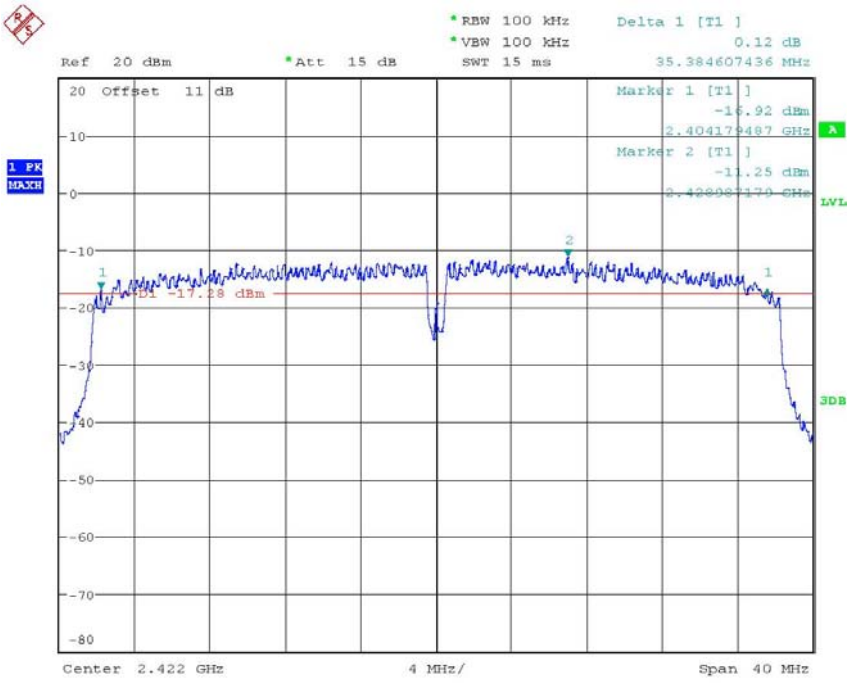
6DB BANDWIDTH 802.11N 20M CH06

Date: 17.JUN.2011 07:38:23



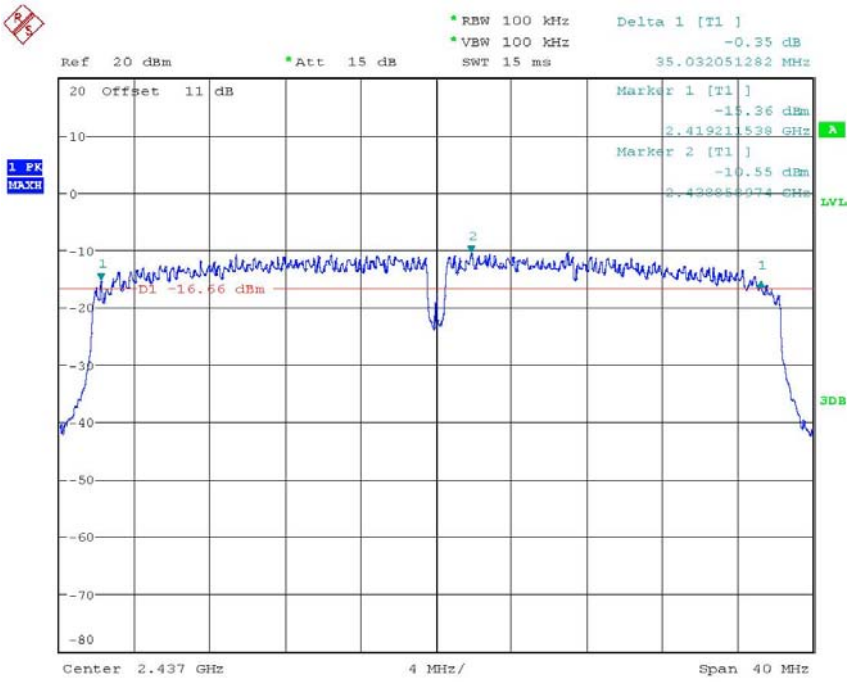
6DB BANDWIDTH 802.11N 20M CH11

Date: 17.JUN.2011 07:41:56



6DB BANDWIDTH 802.11N 40MHZ CH01

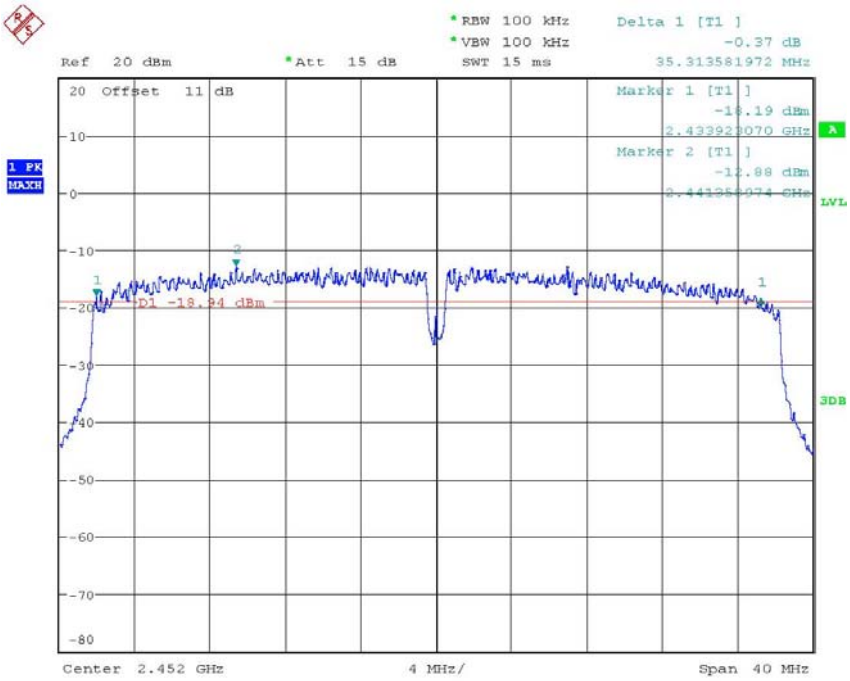
Date: 17.JUN.2011 07:45:39



6DB BANDWIDTH 802.11N 40MHZ CH04

Date: 17.JUN.2011 07:49:22

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB



6DB BANDWIDTH 802.11N 40MHZ CH7
Date: 17.JUN.2011 07:53:26

Limits:

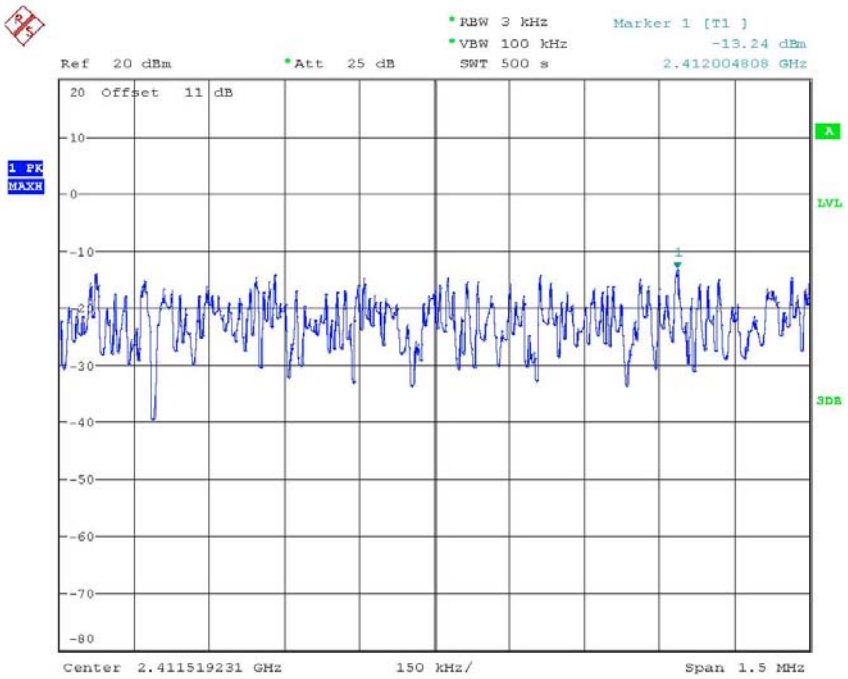
Frequency Range MHz	**Limits**
902-928	min 500 kHz
2400-2483.5	min 500 kHz
5725-5850	min 500 kHz

Test equipment used: ETSTW-RE 055

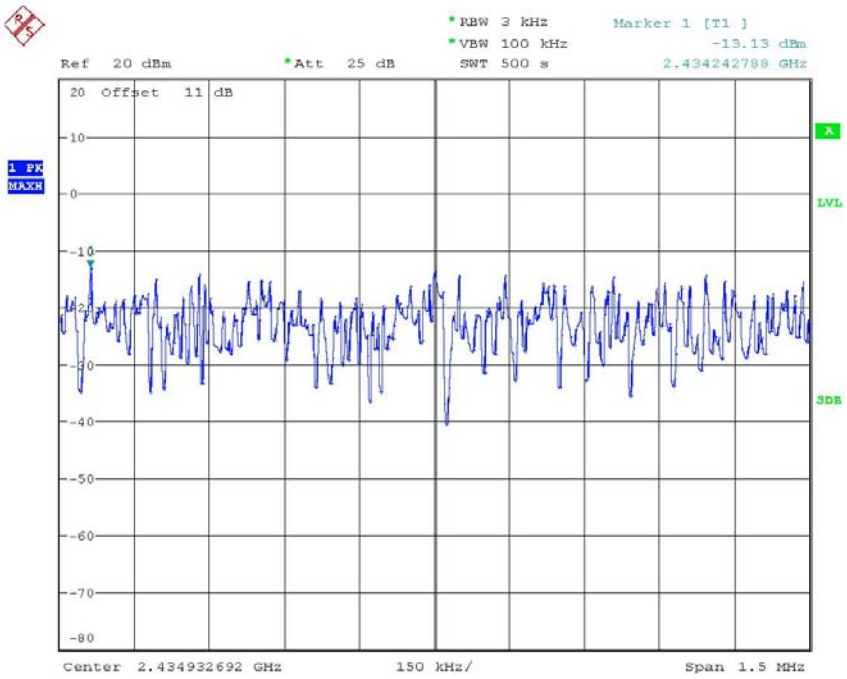
3.8 Peak Power Spectral Density

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

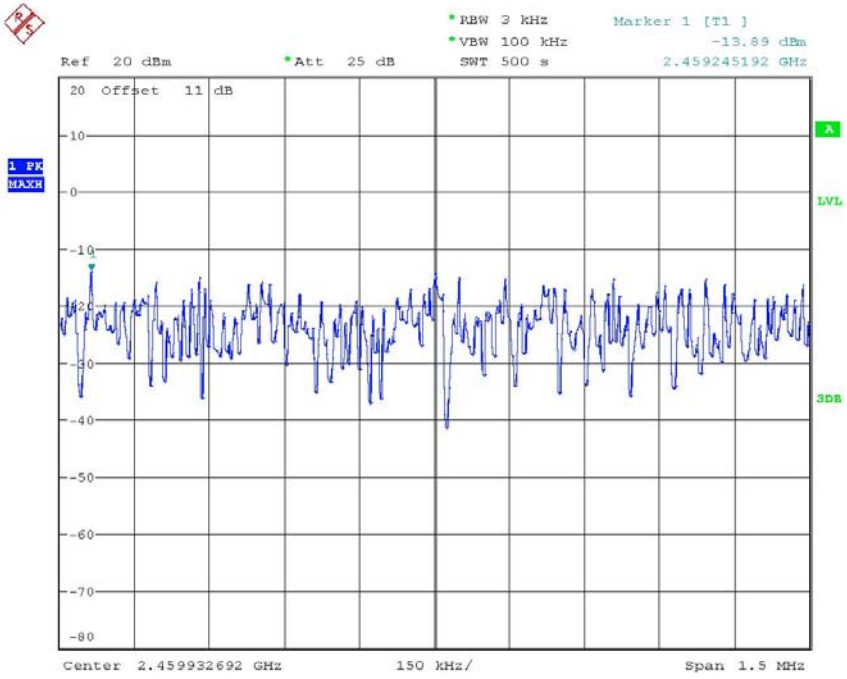
The peak output power is measured with a measurement bandwidth of 10 MHz and displayed on diagram together with Peak Power Spectral Density result which was measured with a bandwidth of 3 kHz, appreciate frequency span and sweep time.



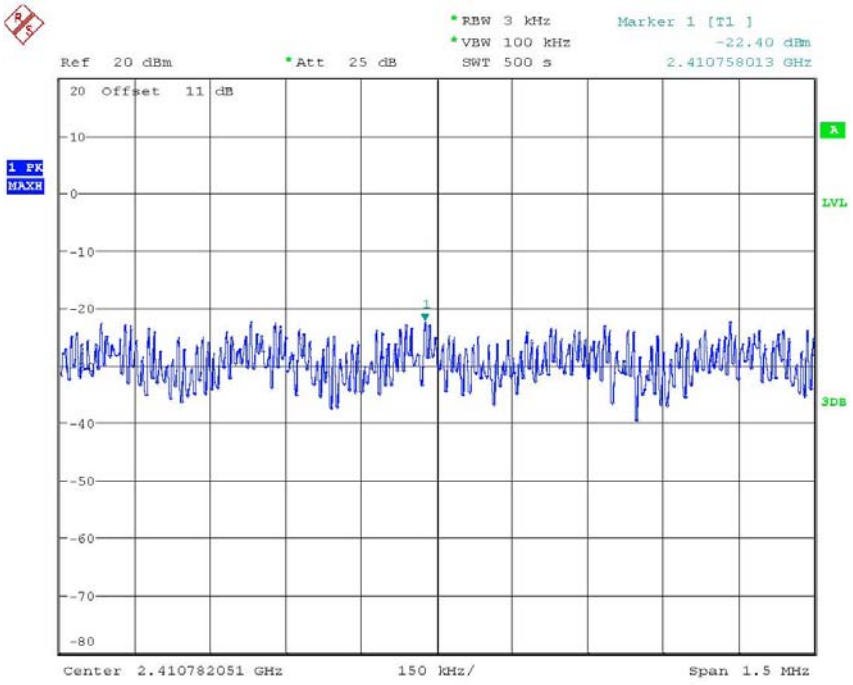
POWER DENSITY 802.11B CH01
Date: 17.JUN.2011 06:56:15



POWER DENSITY 802.11B CH06
Date: 17.JUN.2011 06:59:39

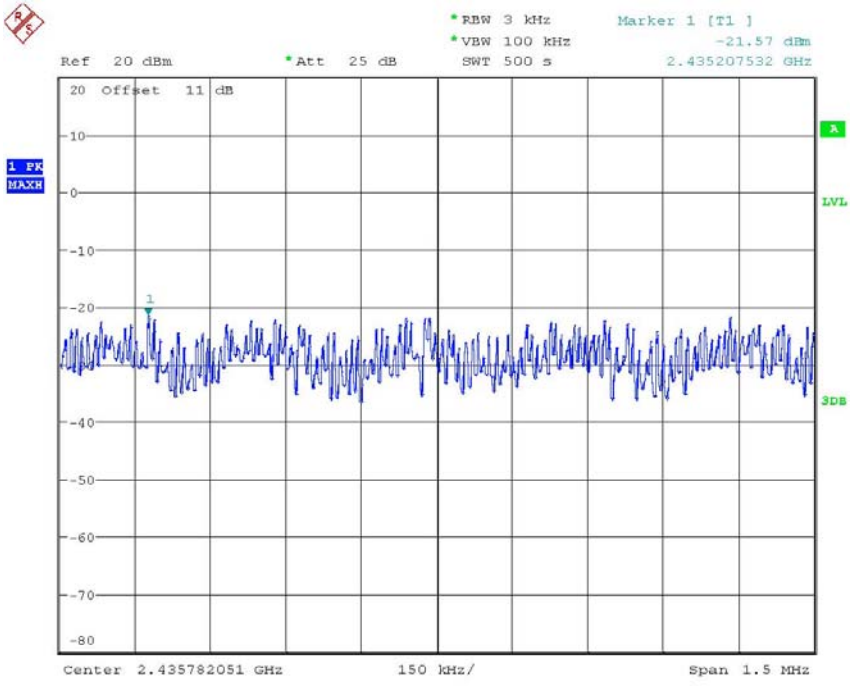


POWER DENSITY 802.11B CH11
Date: 17.JUN.2011 07:03:03



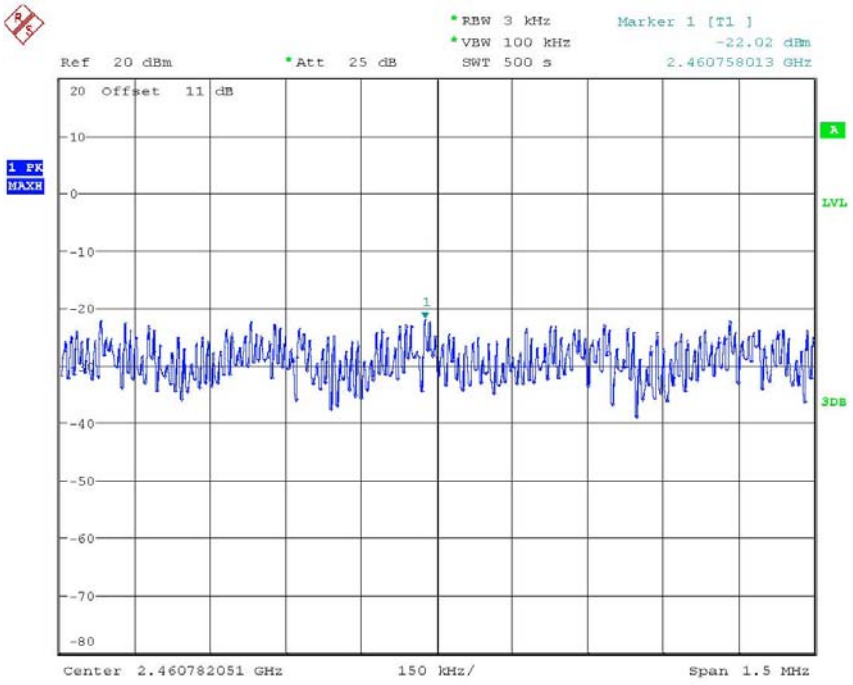
POWER DENSITY 802.11G CH01

Date: 17.JUN.2011 07:09:14

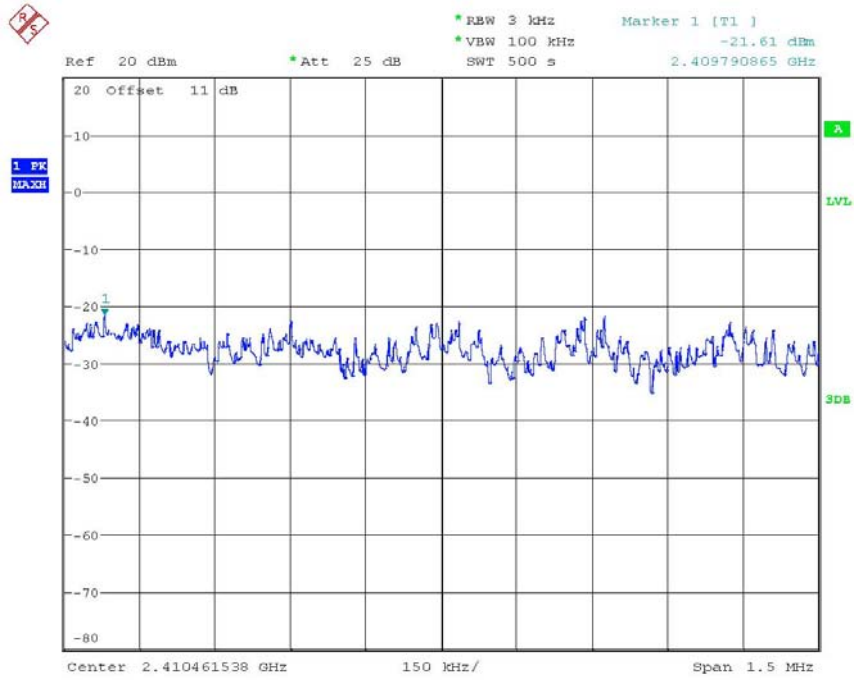


POWER DENSITY 802.11G CH06

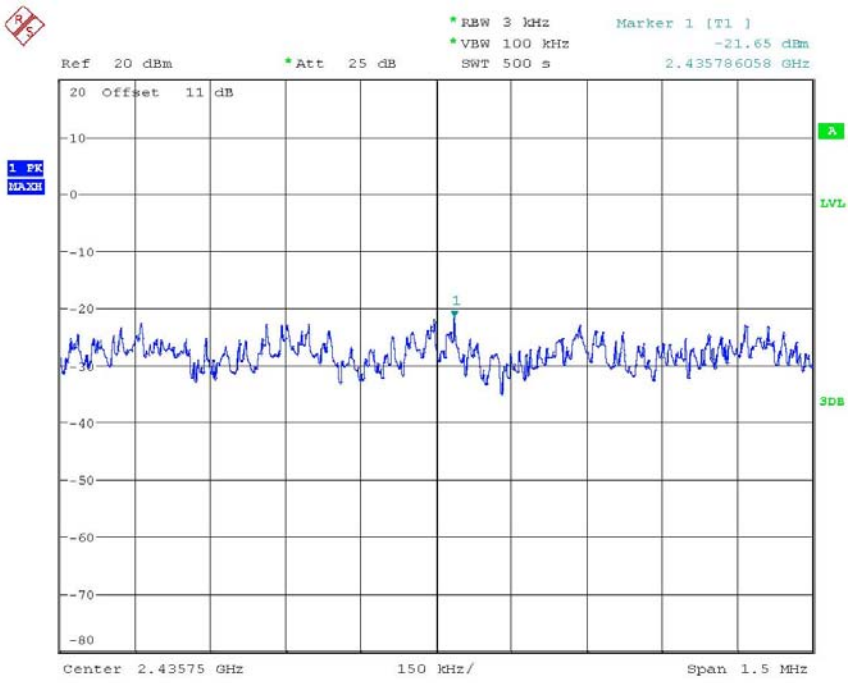
Date: 17.JUN.2011 07:24:06



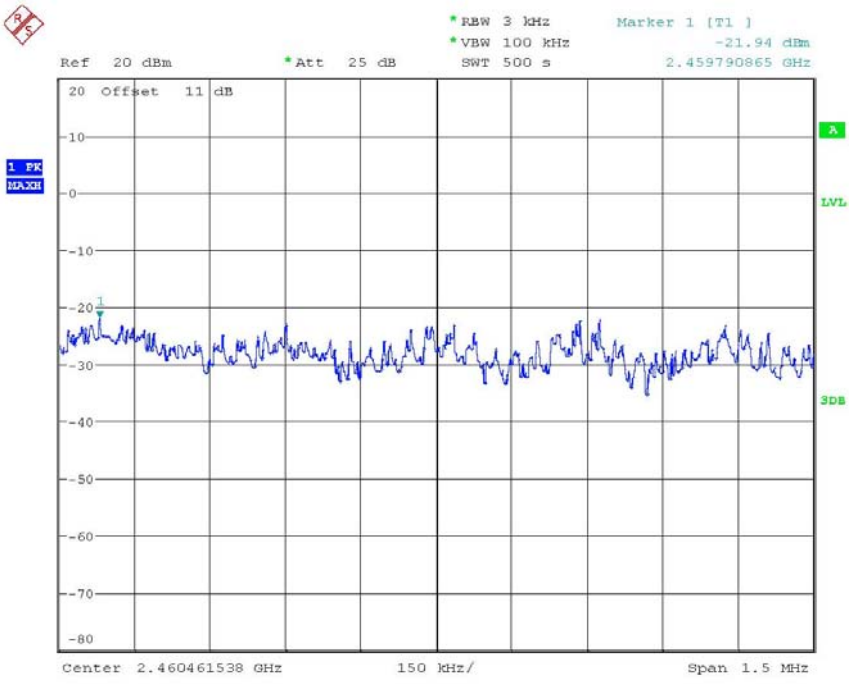
POWER DENSITY 802.11G CH011
Date: 17.JUN.2011 07:13:02



POWER DENSITY 802.11N 20MHz CH01
Date: 17.JUN.2011 07:33:43

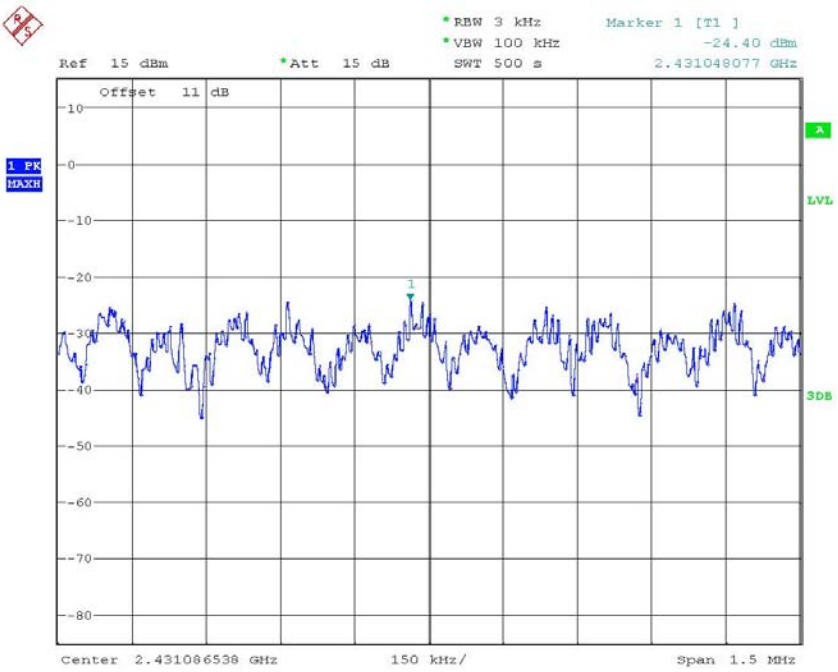


POWER DENSITY 802.11N 20MHz CH06
Date: 17.JUN.2011 07:37:03

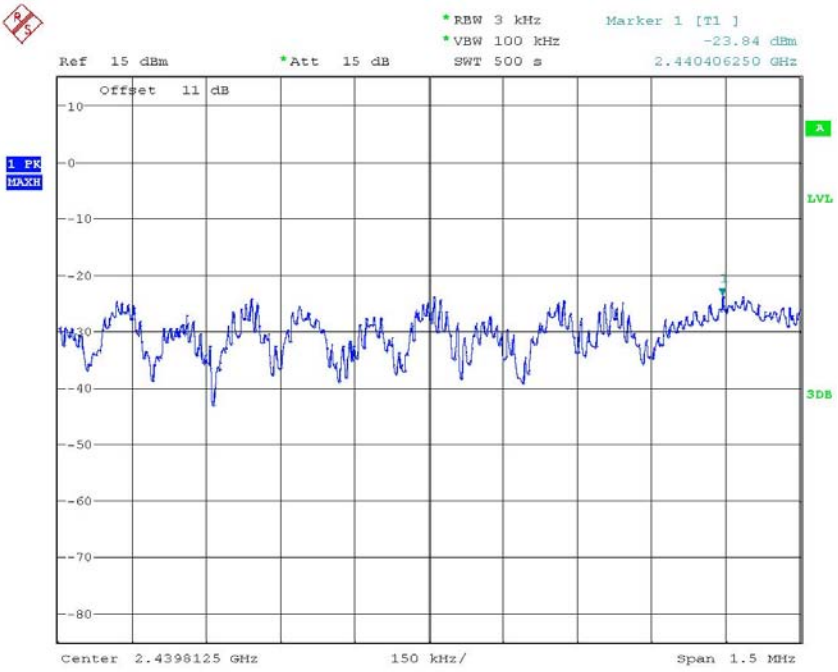


POWER DENSITY 802.11N 20MHz CH11
Date: 17.JUN.2011 07:39:42

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

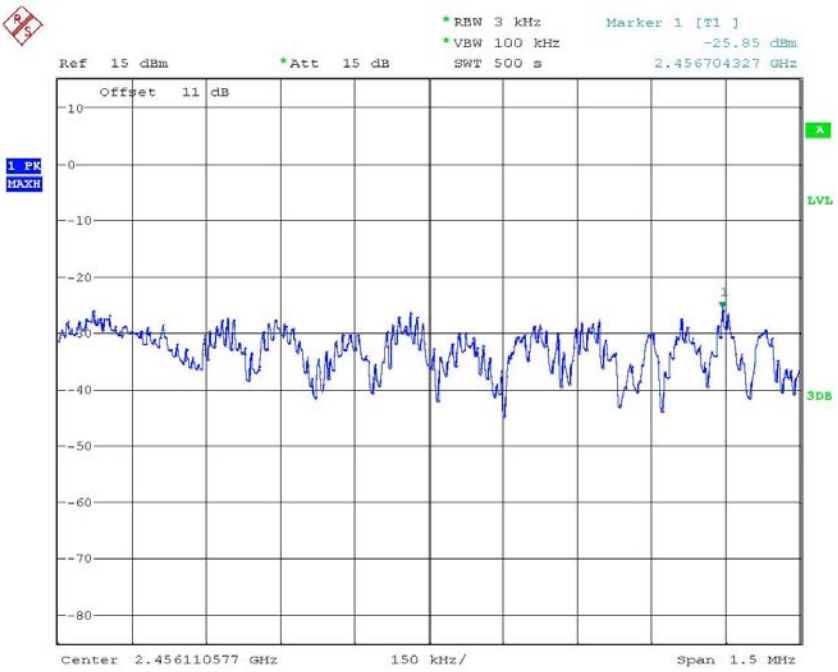


POWER DENSITY 802.11N 40MHZ CH01
Date: 17.JUN.2011 07:44:10



POWER DENSITY 802.11N 40MHZ CH04
Date: 17.JUN.2011 07:47:26

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB



POWER DENSITY 802.11N 40MHZ CH7
Date: 17.JUN.2011 07:52:02

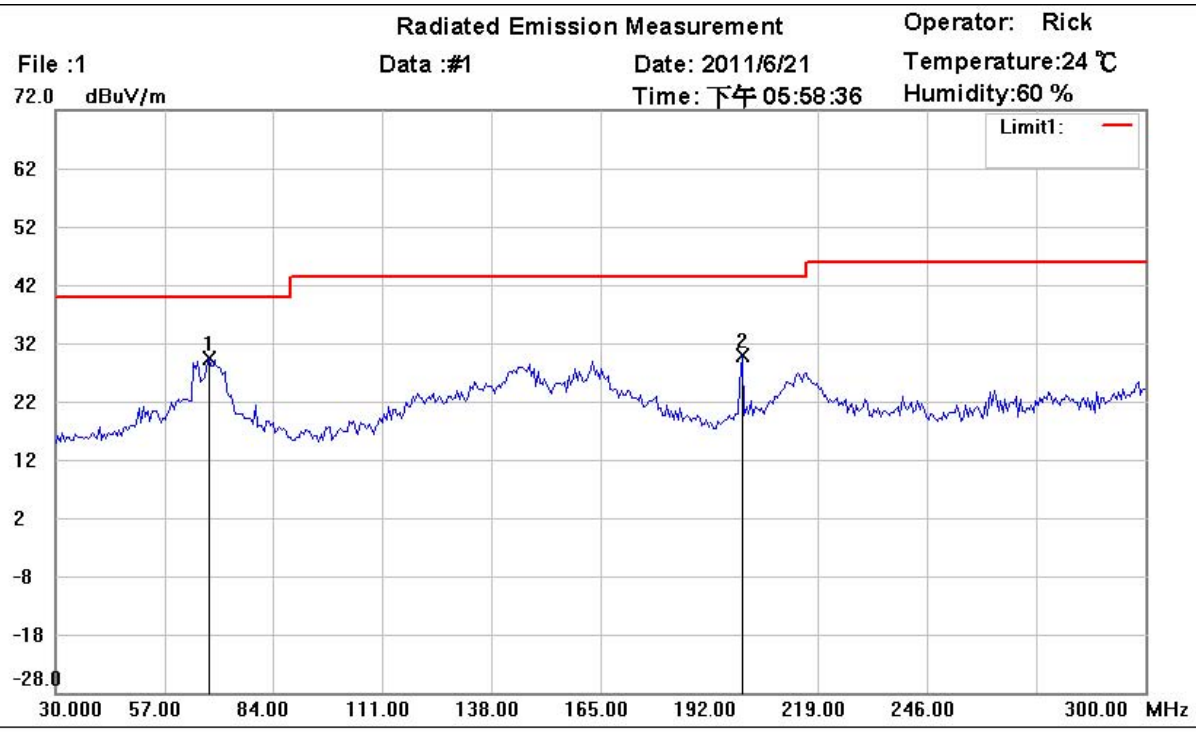
Limits:

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

Test equipment used: ETSTW-RE 055

3.9 Radiated Emission from Digital Part

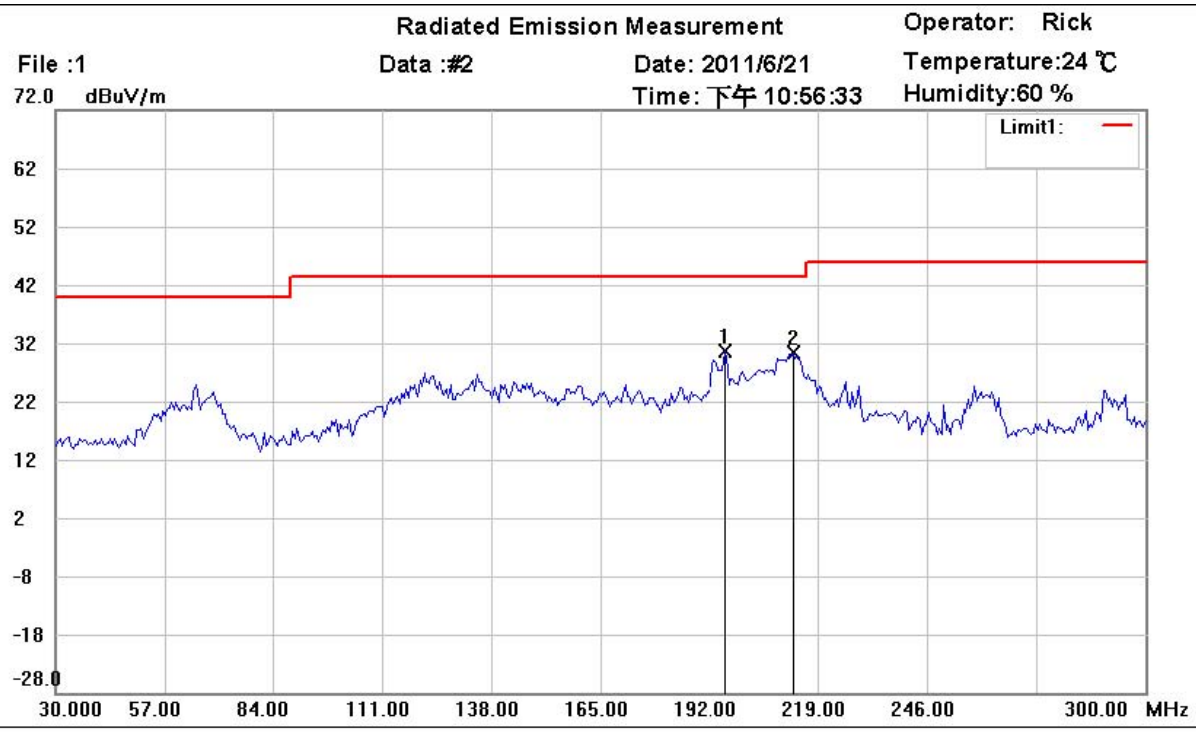
FCC Rule: 15.109
Digital part
Below 1GHz



Site : Chamber
Condition : FCC_part 15 RE-Class B_30-1000MHz
EUT : W6D21105-11474
M/N: WN-370USB
Test Mode :
Note :

Polarization: *Horizontal*
Power : 5VDC
Distance: 3m

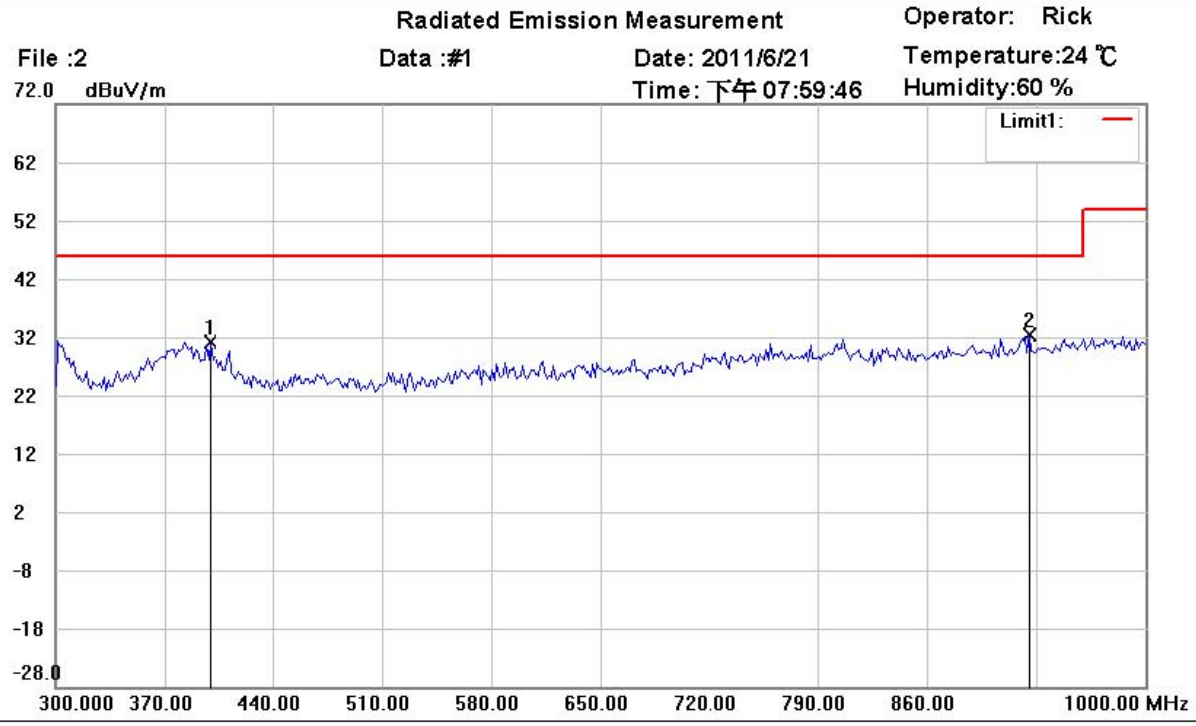
Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	67.8757	16.27	peak	13.06	29.33	40.00	310	260	-10.67	
	200.4407	17.09	peak	12.73	29.82	43.50	340	120	-13.68	



Site : Chamber
Condition : FCC_part 15 RE-Class B_30-1000MHz
EUT : W6D21105-11474
M/N: WN-370USB
Test Mode :
Note :

Polarization: *Vertical*
Power : 5VDC
Distance: 3m

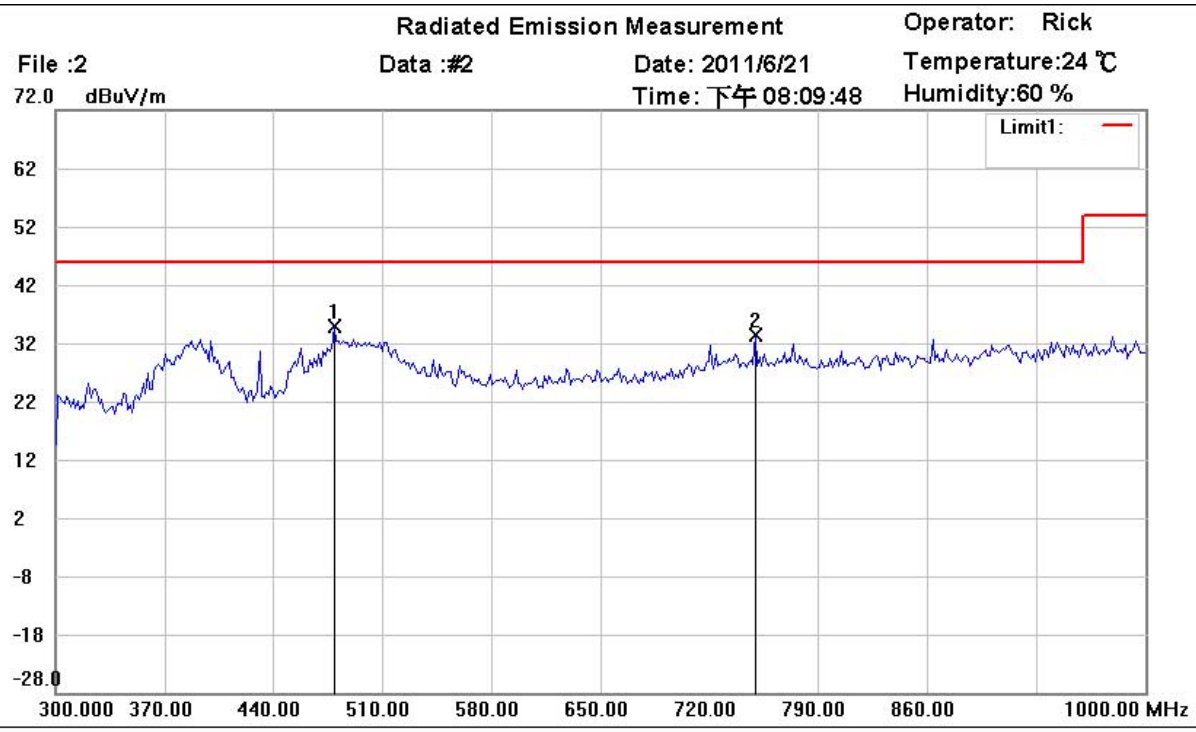
Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	196.1121	17.55	peak	12.98	30.53	43.50	120	310	-12.97	
	212.8857	17.28	peak	13.02	30.30	43.50	140	240	-13.20	



Site : Chamber
Condition : FCC_part 15 RE-Class B_30-1000MHz
EUT : W6D21105-11474
M/N: WN-370USB
Test Mode :
Note :

Polarization: *Horizontal*
Power : 5VDC
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	399.5991	12.80	peak	18.37	31.17	46.00	140	230	-14.83	
*	925.6512	5.16	peak	27.26	32.42	46.00	120	170	-13.58	



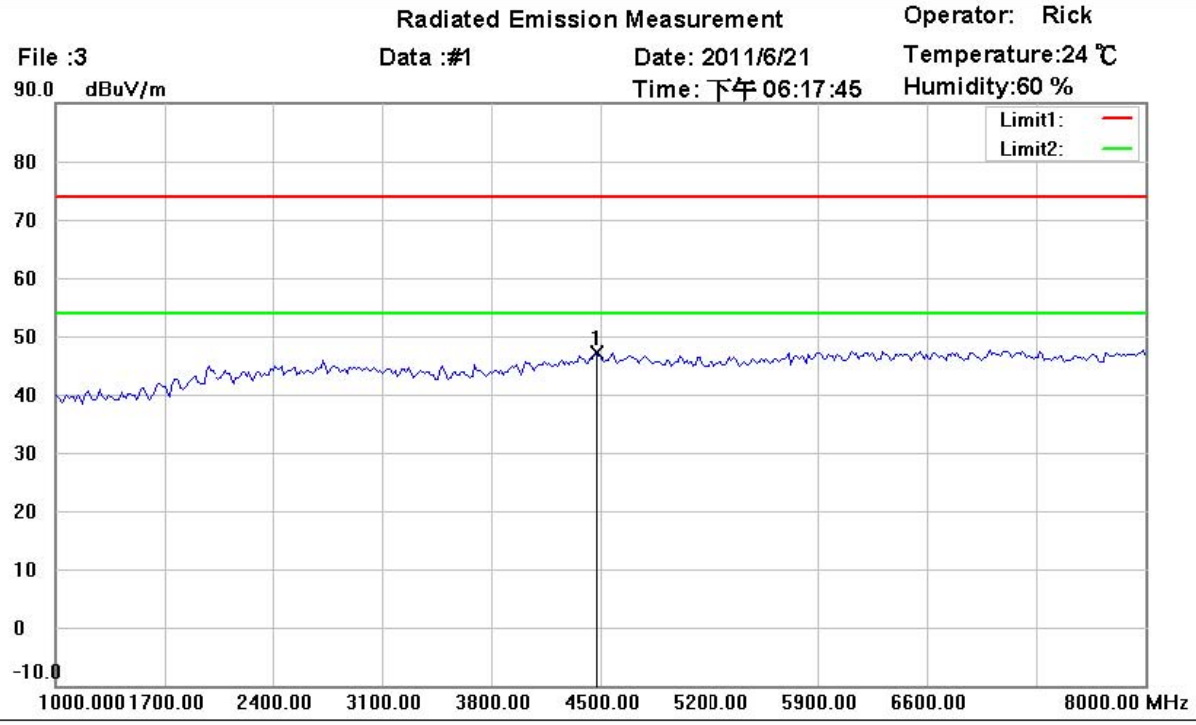
Site : Chamber
Condition : FCC_part 15 RE-Class B_30-1000MHz
EUT : W6D21105-11474
M/N: WN-370USB
Test Mode :
Note :

Polarization: *Vertical*
Power : 5VDC
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	479.5591	14.79	peak	20.16	34.95	46.00	310	260	-11.05	
	750.3006	8.13	peak	25.24	33.37	46.00	340	120	-12.63	

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

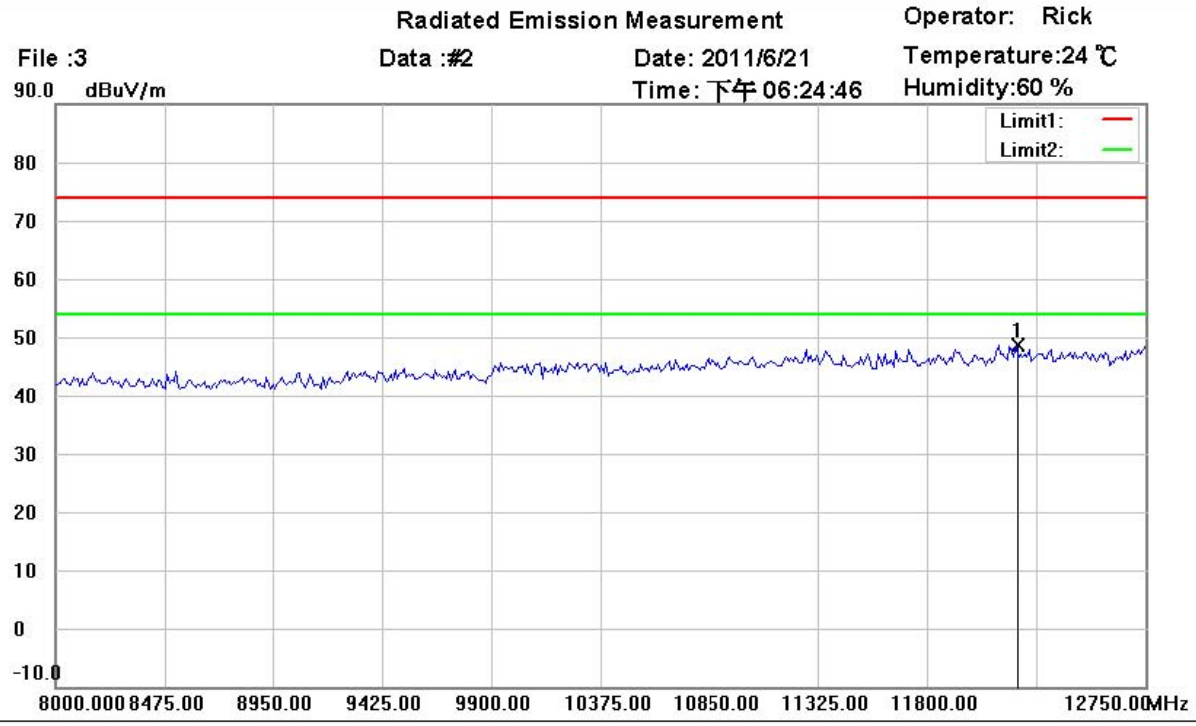
Above 1GHz



Site : Chamber
Condition : FCC_part 15 RE-Class B_Above 1GHz_PK
EUT : W6D21105-11474
M/N: WN-370USB
Test Mode :
Note :

Polarization: *Horizontal*
Power : 5VDC
Distance: 3m

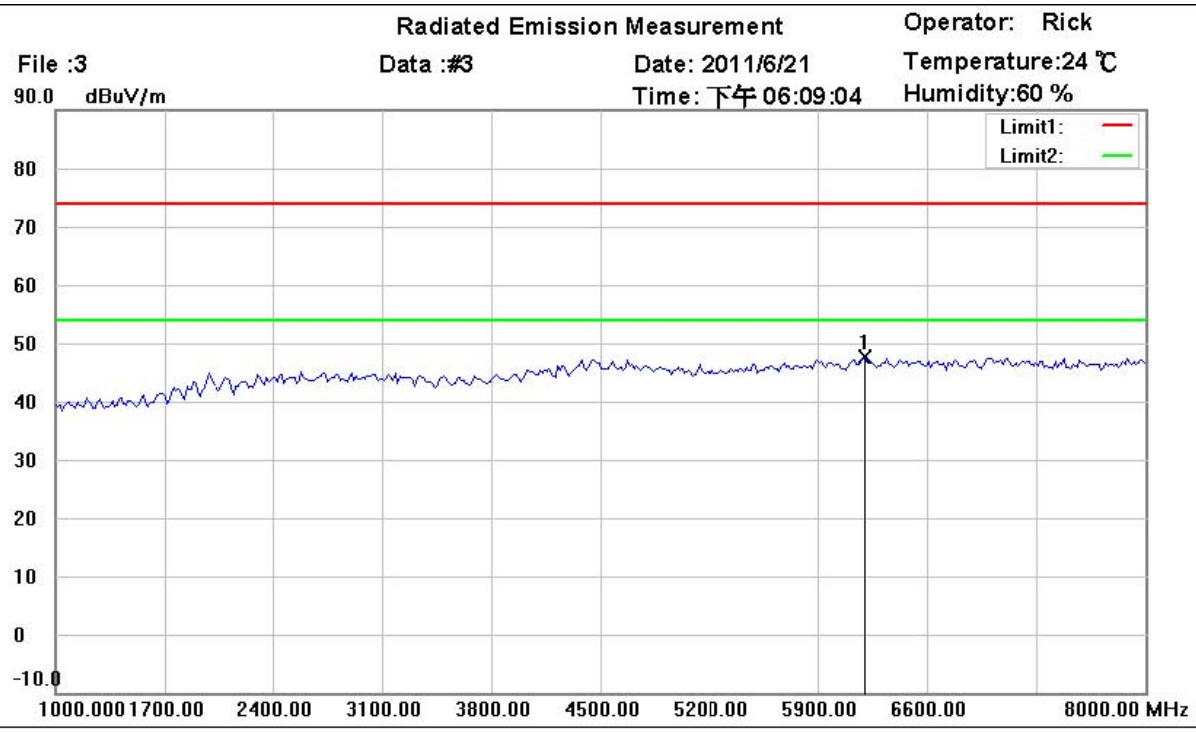
Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	4464.930	42.55	peak	4.47	47.02	74.00	100	140	-26.98	



Site : Chamber
Condition : FCC_part 15 RE-Class B_Above 1GHz_PK
EUT : W6D21105-11474
M/N: WN-370USB
Test Mode :
Note :

Polarization: *Horizontal*
Power : 5VDC
Distance: 3m

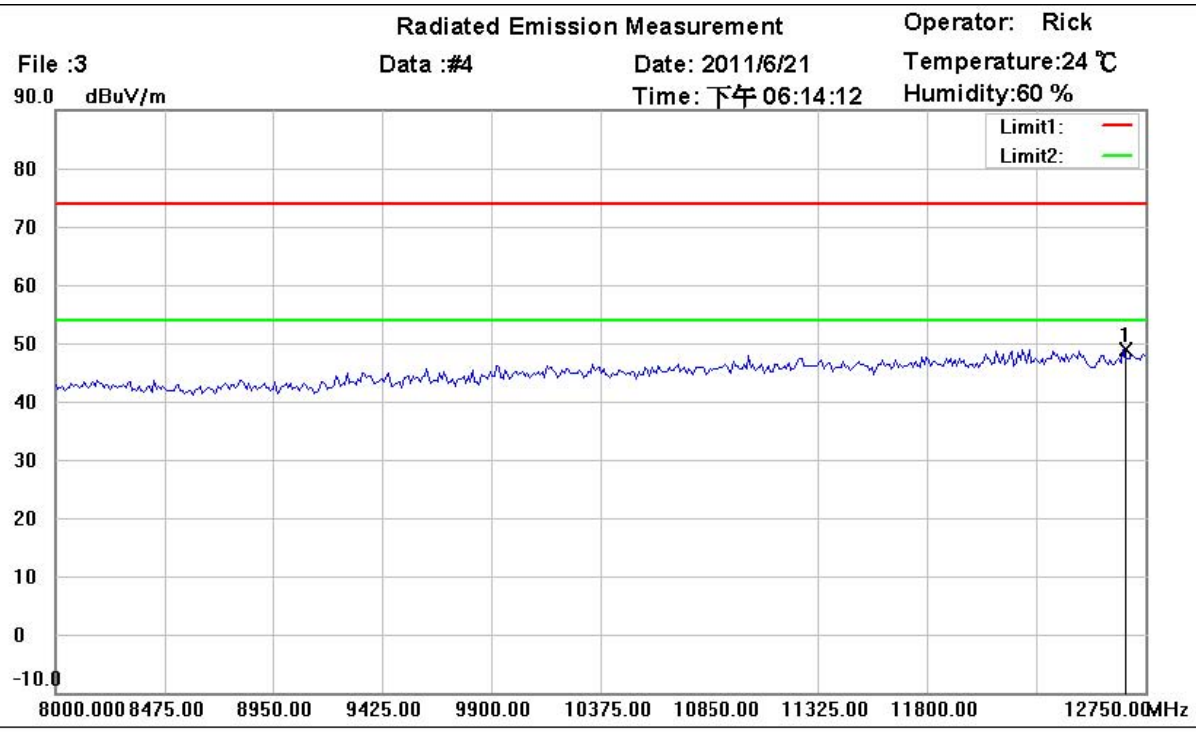
Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	12188.377	33.83	peak	14.69	48.52	74.00	100	120	-25.48	



Site : Chamber
Condition : FCC_part 15 RE-Class B_Above 1GHz_PK
EUT : W6D21105-11474
M/N: WN-370USB
Test Mode :
Note :

Polarization: *Vertical*
Power : 5VDC
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	6190.381	40.85	peak	6.73	47.58	74.00	100	130	-26.42	



Site : Chamber
Condition : FCC_part 15 RE-Class B_Above 1GHz_PK
EUT : W6D21105-11474
M/N: WN-370USB
Test Mode :
Note :

Polarization: *Vertical*
Power : 5VDC
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	12654.810	34.21	peak	14.61	48.82	74.00	100	210	-25.18	

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

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Receiver Part

Model: WN-370USB Date: 2011/6/21
Mode: 802.11 B CH1 Temperature: 24 °C Engineer: Rick
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)
68.4167	17.22	peak	12.98	30.20	40.00	-9.80	250	100
166.8938	13.76	peak	15.70	29.46	43.50	-14.04	130	100
823.2465	6.11	peak	25.93	32.04	46.00	-13.96	240	100
943.8878	5.03	peak	27.60	32.63	46.00	-13.37	130	100

Polarization: Horizontal

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)
4492.9860	42.47	---	4.62	47.09	---	74.00	54.00	-26.91	130	100
11512.5250	35.02	---	12.42	47.44	---	74.00	54.00	-26.56	280	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
196.6533	17.86	peak	12.94	30.80	43.50	-12.70	230	100
211.2625	17.42	peak	12.98	30.40	43.50	-13.10	150	100
493.5871	12.31	peak	20.31	32.62	46.00	-13.38	120	100
911.6231	6.61	peak	26.99	33.60	46.00	-12.40	260	100

Polarization: Vertical

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)
6779.5590	40.68	---	6.96	47.64	---	74.00	54.00	-26.36	240	100
11522.0440	36.42	---	12.38	48.80	---	74.00	54.00	-25.20	130	100

Mode: 802.11B CH6
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
68.4167	17.13	peak	12.98	30.11	40.00	-9.89	130	100
166.8938	13.62	peak	15.70	29.32	43.50	-14.18	240	100
823.2465	6.32	peak	25.93	32.25	46.00	-13.75	230	100
943.8878	5.00	peak	27.60	32.60	46.00	-13.40	110	100

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Polarization: Horizontal

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)
4240.4810	42.51	---	4.03	46.54	---	74.00	54.00	-27.46	260	100
11512.5250	35.02	---	12.42	47.44	---	74.00	54.00	-26.56	280	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
196.6533	17.98	peak	12.94	30.92	43.50	-12.58	120	100
211.2625	17.39	peak	12.98	30.37	43.50	-13.13	270	100
399.5992	14.66	peak	18.37	33.03	46.00	-12.97	260	100
911.6232	6.61	peak	26.99	33.60	46.00	-12.40	170	100

Polarization: Vertical

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)
4156.3130	42.80	---	3.82	46.62	---	74.00	54.00	-27.38	270	100
11522.0440	36.42	---	12.38	48.80	---	74.00	54.00	-25.20	200	100

Mode: 802.11B CH11
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
69.4990	18.06	peak	12.80	30.86	40.00	-9.14	200	100
200.4410	14.88	peak	12.73	27.61	43.50	-15.89	130	100
399.5992	12.88	peak	18.37	31.25	46.00	-14.75	230	100
938.2766	4.82	peak	27.50	32.32	46.00	-13.68	140	100

Polarization: Horizontal

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)
7004.0080	40.22	---	7.30	47.52	---	74.00	54.00	-26.48	130	100
12721.4430	34.16	---	14.82	48.98	---	74.00	54.00	-25.02	40	100

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
196.1121	19.64	peak	12.98	32.62	43.50	-10.88	50	100
212.3447	17.52	peak	13.01	30.53	43.50	-12.97	280	100
399.5992	12.95	peak	18.37	31.32	46.00	-14.68	240	100
492.1844	13.04	peak	20.30	33.34	46.00	-12.66	120	100

Polarization: Vertical

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)
7004.0080	40.43	---	7.30	47.73	---	74.00	54.00	-26.27	120	100
12255.0100	33.64	---	14.50	48.14	---	74.00	54.00	-25.86	130	100

Mode: 802.11G CH1
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
68.9580	17.96	peak	12.89	30.85	40.00	-9.15	140	100
165.2705	13.86	peak	15.78	29.64	43.50	-13.86	230	100
379.9600	13.53	peak	17.87	31.40	46.00	-14.60	160	100
847.0942	6.18	peak	26.12	32.30	46.00	-13.70	70	100

Polarization: Horizontal

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)
7060.1200	40.67	---	7.23	47.90	---	74.00	54.00	-26.10	280	100
12426.3530	34.25	---	14.40	48.65	---	74.00	54.00	-25.35	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)
196.6533	17.52	peak	12.94	30.46	43.50	-13.04	260	100
213.4270	17.46	peak	13.03	30.49	43.50	-13.01	130	100
492.1844	13.16	peak	20.30	33.46	46.00	-12.54	100	100
922.8457	7.07	peak	27.20	34.27	46.00	-11.73	270	100

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Polarization: Vertical

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)
7971.9440	40.24	---	7.09	47.33	---	74.00	54.00	-26.67	210	100
12654.8100	34.11	---	14.61	48.72	---	74.00	54.00	-25.28	210	100

Mode: 802.11g CH6
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
69.4990	16.83	peak	12.80	29.63	40.00	-10.37	120	100
166.3527	12.99	peak	15.73	28.72	43.50	-14.78	230	100
302.8056	16.92	peak	16.00	32.92	46.00	-13.08	130	100
385.5711	13.59	peak	18.02	31.61	46.00	-14.39	240	100

Polarization: Horizontal

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)
4464.9300	43.08	---	4.47	47.55	---	74.00	54.00	-26.45	250	100
12159.8200	34.53	---	14.44	48.97	---	74.00	54.00	-25.03	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)
123.6072	12.29	peak	14.25	26.54	43.50	-16.96	230	100
200.4410	18.10	peak	12.73	30.83	43.50	-12.67	120	100
492.1844	12.81	peak	20.30	33.11	46.00	-12.89	210	100
904.6092	6.09	peak	26.85	32.94	46.00	-13.06	30	100

Polarization: Vertical

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)
6555.1100	40.73	---	6.93	47.66	---	74.00	54.00	-26.34	100	100
12150.3010	34.87	---	14.35	49.22	---	74.00	54.00	-24.78	240	100

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Mode: 802.11g CH11
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
68.9580	17.54	peak	12.89	30.43	40.00	-9.57	130	100
142.5451	13.74	peak	15.59	29.33	43.50	-14.17	290	100
301.4028	16.03	peak	15.97	32.00	46.00	-14.00	270	100
938.2766	4.04	peak	27.50	31.54	46.00	-14.46	120	100

Polarization: Horizontal

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)
6989.9800	40.24	---	7.27	47.51	---	74.00	54.00	-26.49	260	100
12721.4430	34.28	---	14.82	49.10	---	74.00	54.00	-24.90	150	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
65.1703	12.27	peak	13.50	25.77	40.00	-14.23	260	100
196.6533	19.22	peak	12.94	32.16	43.50	-11.34	90	100
492.1844	12.70	peak	20.30	33.00	46.00	-13.00	140	100
945.2906	5.67	peak	27.63	33.30	46.00	-12.70	240	100

Polarization: Vertical

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)
4464.9300	42.81	---	4.47	47.28	---	74.00	54.00	-26.72	110	100
12692.8860	34.16	---	14.67	48.83	---	74.00	54.00	-25.17	260	100

Mode: 802.11n20M Ch1
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
70.0400	17.17	peak	12.71	29.88	40.00	-10.12	120	100
145.7916	13.43	peak	15.78	29.21	43.50	-14.29	260	100
833.0661	5.95	peak	26.01	31.96	46.00	-14.04	130	100
929.8597	4.65	peak	27.34	31.99	46.00	-14.01	150	100

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Polarization: Horizontal

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)
7102.2040	40.96	---	7.17	48.13	---	74.00	54.00	-25.87	210	100
12711.9240	33.53	---	14.76	48.29	---	74.00	54.00	-25.71	150	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
65.1703	12.77	peak	13.50	26.27	40.00	-13.73	260	100
196.6533	20.40	peak	12.94	33.34	43.50	-10.16	170	100
492.1844	13.37	peak	20.30	33.67	46.00	-12.33	260	100
945.2906	6.28	peak	27.63	33.91	46.00	-12.09	110	100

Polarization: Vertical

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)
4464.9300	42.31	---	4.47	46.78	---	74.00	54.00	-27.22	270	100
11331.6630	35.26	---	12.34	47.60	---	74.00	54.00	-26.40	250	100

Mode: 802.11n20M CH6
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
68.4167	18.06	peak	12.98	31.04	40.00	-8.96	160	100
146.3327	13.12	peak	15.81	28.93	43.50	-14.57	90	100
399.5992	13.28	peak	18.37	31.65	46.00	-14.35	130	100
952.3046	4.28	peak	27.73	32.01	46.00	-13.99	100	100

Polarization: Horizontal

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)
7018.0360	40.53	---	7.28	47.81	---	74.00	54.00	-26.19	120	100
10969.9400	36.59	---	11.40	47.99	---	74.00	54.00	-26.01	260	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)
65.1703	13.93	peak	13.50	27.43	40.00	-12.57	260	100
196.6533	18.90	peak	12.94	31.84	43.50	-11.66	100	100
399.5992	15.28	peak	18.37	33.65	46.00	-12.35	270	100
900.4008	6.24	peak	26.77	33.01	46.00	-12.99	150	100

Polarization: Vertical

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)
4577.1540	42.61	---	4.58	47.19	---	74.00	54.00	-26.81	220	100
12340.6810	34.11	---	14.30	48.41	---	74.00	54.00	-25.59	220	100

Mode: 802.11n20M CH11
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
69.4990	17.74	peak	12.80	30.54	40.00	-9.46	230	100
200.4410	14.87	peak	12.73	27.60	43.50	-15.90	170	100
768.5371	6.81	peak	25.42	32.23	46.00	-13.77	130	100
826.0521	6.25	peak	25.95	32.20	46.00	-13.80	250	100

Polarization: Horizontal

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)
6527.0540	40.72	---	6.90	47.62	---	74.00	54.00	-26.38	120	100
12407.3150	34.15	---	14.36	48.51	---	74.00	54.00	-25.49	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)
64.6293	12.26	peak	13.59	25.85	40.00	-14.15	280	100
193.4068	17.53	peak	13.16	30.69	43.50	-12.81	120	100
399.5992	14.63	peak	18.37	33.00	46.00	-13.00	130	100
492.1844	13.26	peak	20.30	33.56	46.00	-12.44	270	100

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Polarization: Vertical

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)
5895.7920	41.33	---	6.41	47.74	---	74.00	54.00	-26.26	130	100
12702.4050	34.11	---	14.70	48.81	---	74.00	54.00	-25.19	210	100

Mode: 802.11n40M CH1
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
68.9580	16.32	peak	12.89	29.21	40.00	-10.79	280	100
163.6473	12.94	peak	15.86	28.80	43.50	-14.70	120	100
399.5992	13.57	peak	18.37	31.94	46.00	-14.06	120	100
957.9158	4.54	peak	27.75	32.29	46.00	-13.71	280	100

Polarization: Horizontal

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)
6204.4090	41.08	---	6.75	47.83	---	74.00	54.00	-26.17	220	100
12235.9720	34.79	---	14.60	49.39	---	74.00	54.00	-24.61	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)
65.1703	13.06	peak	13.50	26.56	40.00	-13.44	230	100
196.6533	18.68	peak	12.94	31.62	43.50	-11.88	90	100
479.5591	12.75	peak	20.16	32.91	46.00	-13.09	120	100
914.4290	7.33	peak	27.04	34.37	46.00	-11.63	260	100

Polarization: Vertical

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)
6470.9420	40.54	---	6.87	47.41	---	74.00	54.00	-26.59	130	100
12721.4430	34.16	---	14.82	48.98	---	74.00	54.00	-25.02	260	100

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Mode: 802.11n40M CH4
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
69.4990	17.35	peak	12.80	30.15	40.00	-9.85	260	100
165.2705	15.58	peak	15.78	31.36	43.50	-12.14	100	100
929.8597	4.48	peak	27.34	31.82	46.00	-14.18	240	100
953.7074	4.07	peak	27.73	31.80	46.00	-14.20	130	100

Polarization: Horizontal

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)
6989.9800	41.02	---	7.27	48.29	---	74.00	54.00	-25.71	270	100
11322.1440	35.84	---	12.34	48.18	---	74.00	54.00	-25.82	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)
121.4430	12.71	peak	14.11	26.82	43.50	-16.68	280	100
211.8036	17.73	peak	13.00	30.73	43.50	-12.77	130	100
479.5591	12.63	peak	20.16	32.79	46.00	-13.21	160	100
906.0120	5.79	peak	26.88	32.67	46.00	-13.33	250	100

Polarization: Vertical

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)
6204.4090	41.26	---	6.75	48.01	---	74.00	54.00	-25.99	130	100
12473.9480	34.85	---	14.49	49.34	---	74.00	54.00	-24.66	230	100

Mode: 802.11n40M CH7
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
68.4167	17.11	peak	12.98	30.09	40.00	-9.91	120	100
144.7094	13.39	peak	15.72	29.11	43.50	-14.39	230	100
381.3627	13.48	peak	17.91	31.39	46.00	-14.61	270	100
942.4850	5.08	peak	27.58	32.66	46.00	-13.34	120	100

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Polarization: Horizontal

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)
6120.2400	41.31	---	6.61	47.92	---	74.00	54.00	-26.08	290	100
12730.9620	33.65	---	14.88	48.53	---	74.00	54.00	-25.47	270	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
121.4430	12.71	peak	14.11	26.82	43.50	-16.68	280	100
211.8036	17.73	peak	13.00	30.73	43.50	-12.77	130	100
915.8317	5.56	peak	27.07	32.63	46.00	-13.37	260	100
945.2906	5.47	peak	27.63	33.10	46.00	-12.90	130	100

Polarization: Vertical

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)
6246.4930	40.94	---	6.75	47.69	---	74.00	54.00	-26.31	240	100
12426.3530	34.39	---	14.40	48.79	---	74.00	54.00	-25.21	210	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 30-1000 MHz = ± 5.10dB, 1-6 GHz = ± 5.64 dB ; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.**
6. **See the attached diagram as appendix.**

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

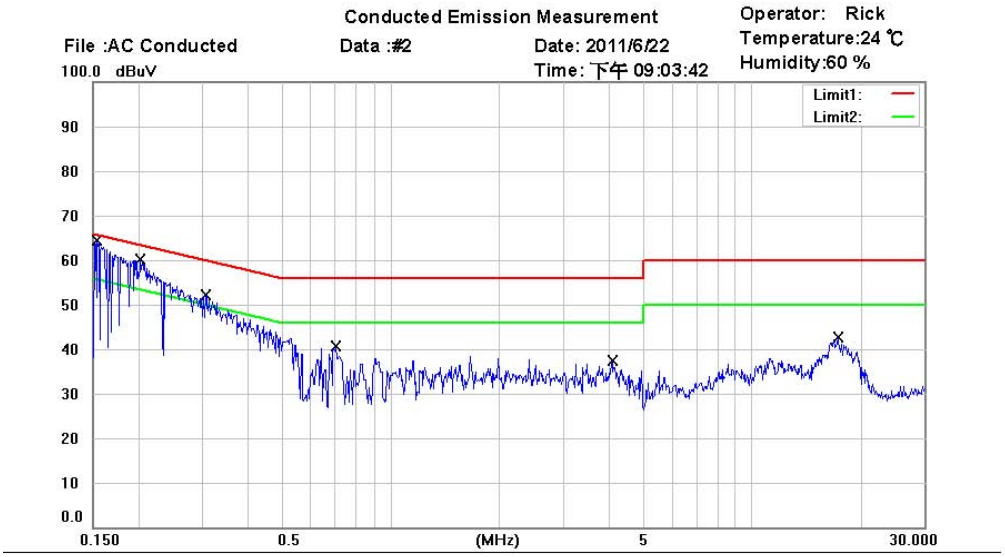
Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 028, ETSTW-RE 029, ETSTW-RE 030, ETSTW-RE 044

3.10 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.

Frequency	Level (dBµV)	
	quasi-peak	average
150 kHz	lower limit line	Lower limit line

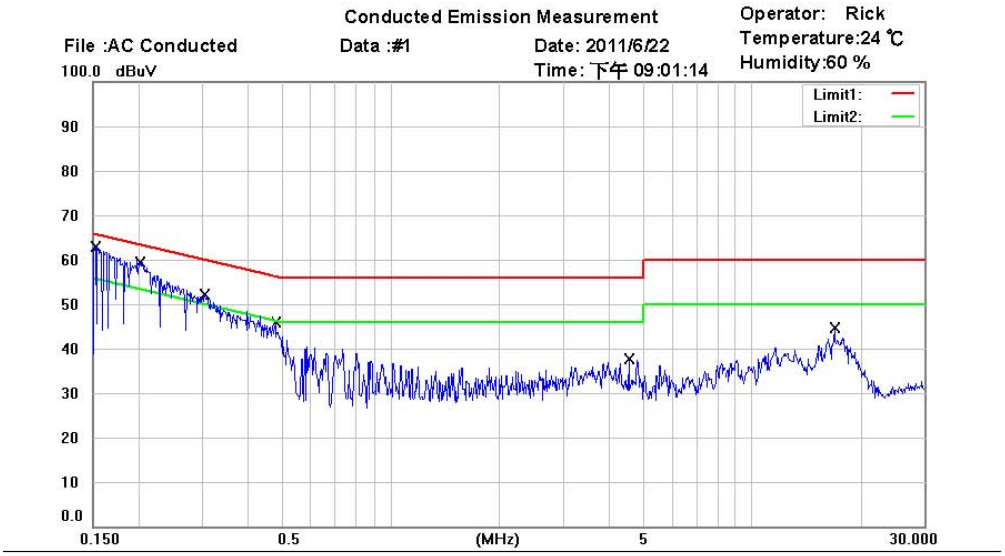


Site : Chamber_03
Condition : FCC Part 15 Class B Conduction (QP)
EUT : W6D21105-11474
M/N: WN-370USB
Test Mode :
Note :

Phase: N
Power : 110Vac

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1540	42.69	QP	9.94	52.63	65.78	-13.15	
	0.1540	14.57	AVG	9.94	24.51	55.78	-31.27	
*	0.2023	43.85	QP	9.89	53.74	63.52	-9.78	
	0.2023	32.48	AVG	9.89	42.37	53.52	-11.15	
	0.3057	34.23	QP	9.92	44.15	60.09	-15.94	
	0.3057	24.41	AVG	9.92	34.33	50.09	-15.76	
	0.7070	25.97	QP	9.94	35.91	56.00	-20.09	
	0.7070	13.12	AVG	9.94	23.06	46.00	-22.94	
	4.0820	15.98	QP	10.11	26.09	56.00	-29.91	
	4.0820	7.12	AVG	10.11	17.23	46.00	-28.77	
	17.2500	23.51	QP	10.89	34.40	60.00	-25.60	
	17.2500	16.97	AVG	10.89	27.86	50.00	-22.14	

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB



Site : Chamber_03
Condition : FCC Part 15 Class B Conduction (QP)
Phase: L1
EUT : W6D21105-11474
Power : 110Vac
M/N: WN-370USB
Test Mode :
Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1520	42.46	QP	10.00	52.46	65.89	-13.43	
	0.1520	14.91	AVG	10.00	24.91	55.89	-30.98	
*	0.2008	42.16	QP	9.94	52.10	63.58	-11.48	
	0.2008	30.81	AVG	9.94	40.75	53.58	-12.83	
	0.3036	34.06	QP	9.98	44.04	60.14	-16.10	
	0.3036	22.72	AVG	9.98	32.70	50.14	-17.44	
	0.4810	25.05	QP	10.00	35.05	56.32	-21.27	
	0.4810	0.75	AVG	10.00	10.75	46.32	-35.57	
	4.5455	10.34	QP	10.23	20.57	56.00	-35.43	
	4.5455	2.77	AVG	10.23	13.00	46.00	-33.00	
	16.8750	23.89	QP	11.09	34.98	60.00	-25.02	
	16.8750	17.16	AVG	11.09	28.25	50.00	-21.75	

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. Up Line: QP Limit Line, Down Line: Ave Limit Line.

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 004, ETSTW-CE 006

Appendix

A. Measurement diagrams

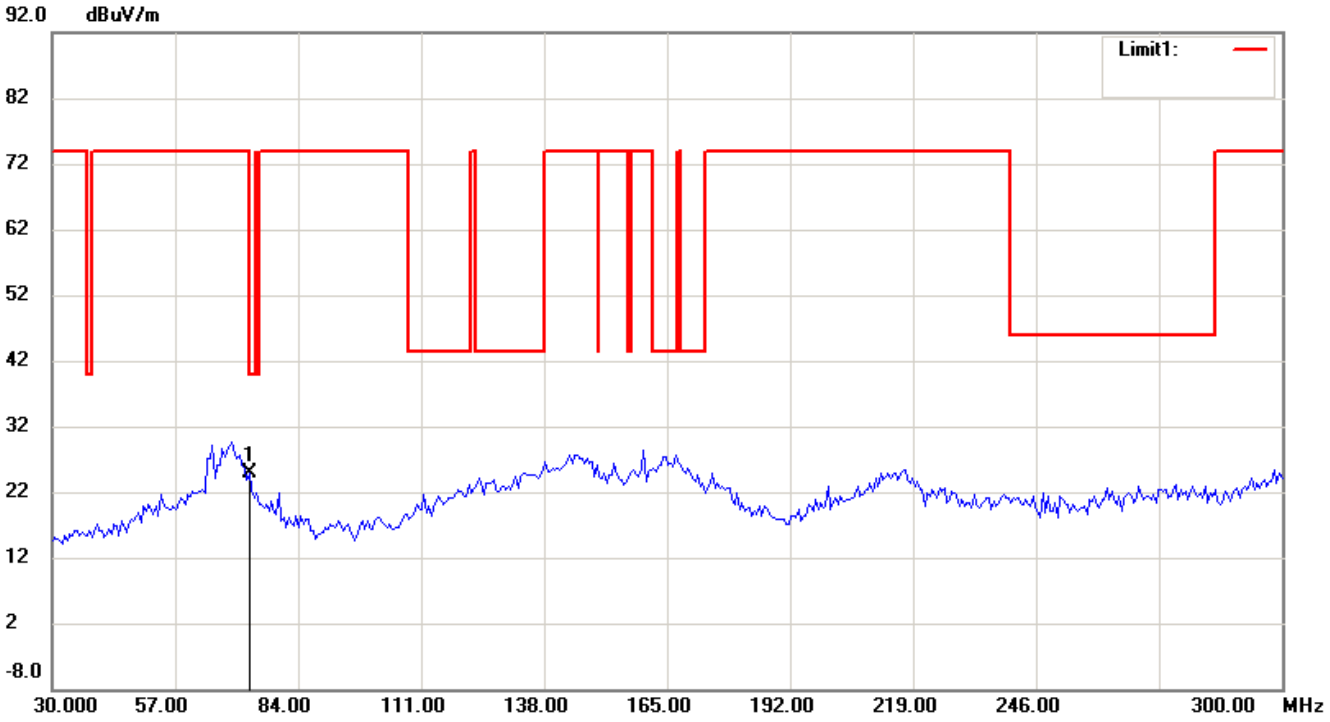
Spurious Emissions radiated

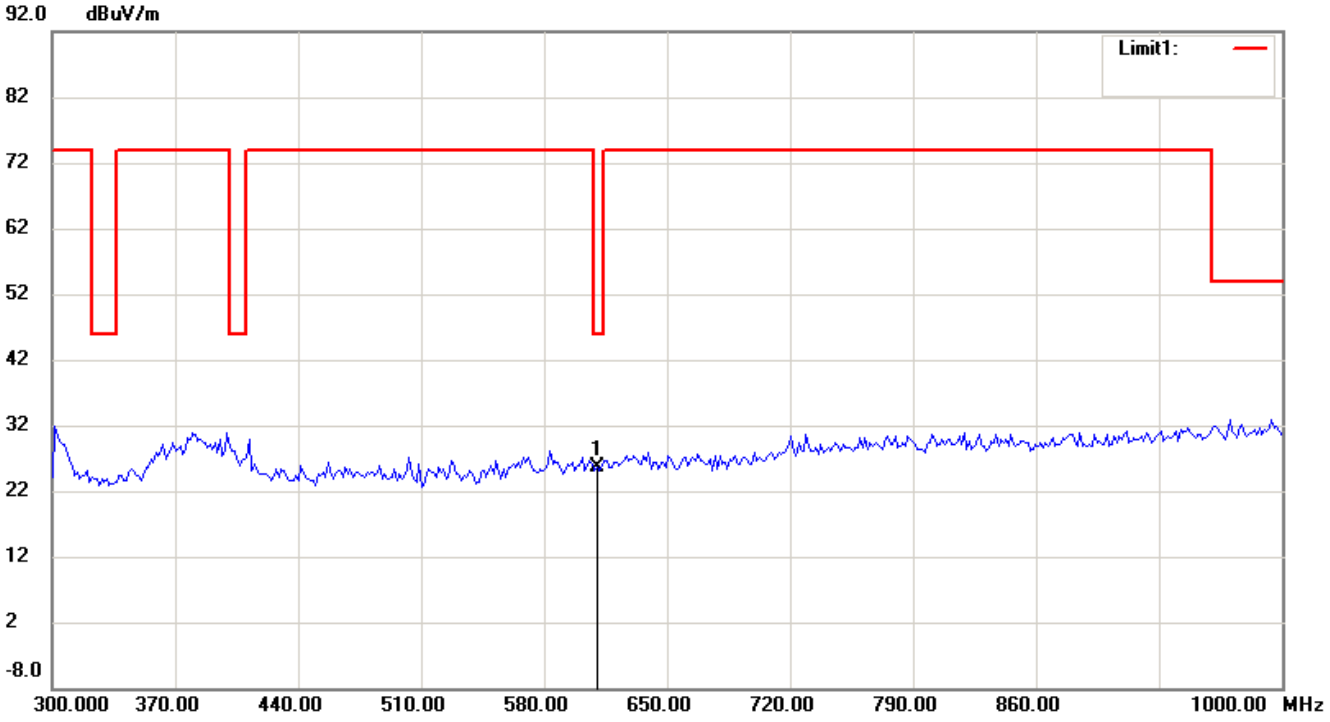
B. Photos

1. External Photos
2. Internal Photos
3. Setup Photos

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Spurious Emissions radiated_TX
802.11b
Channel 1
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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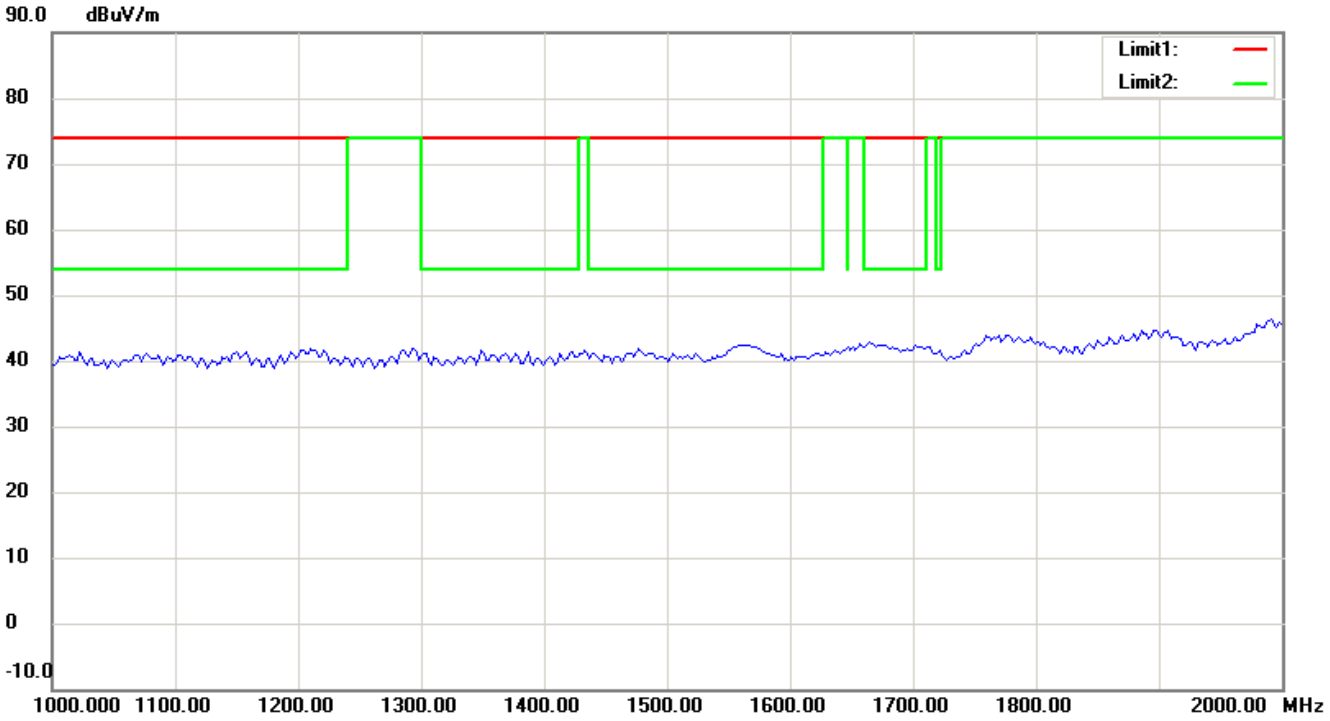
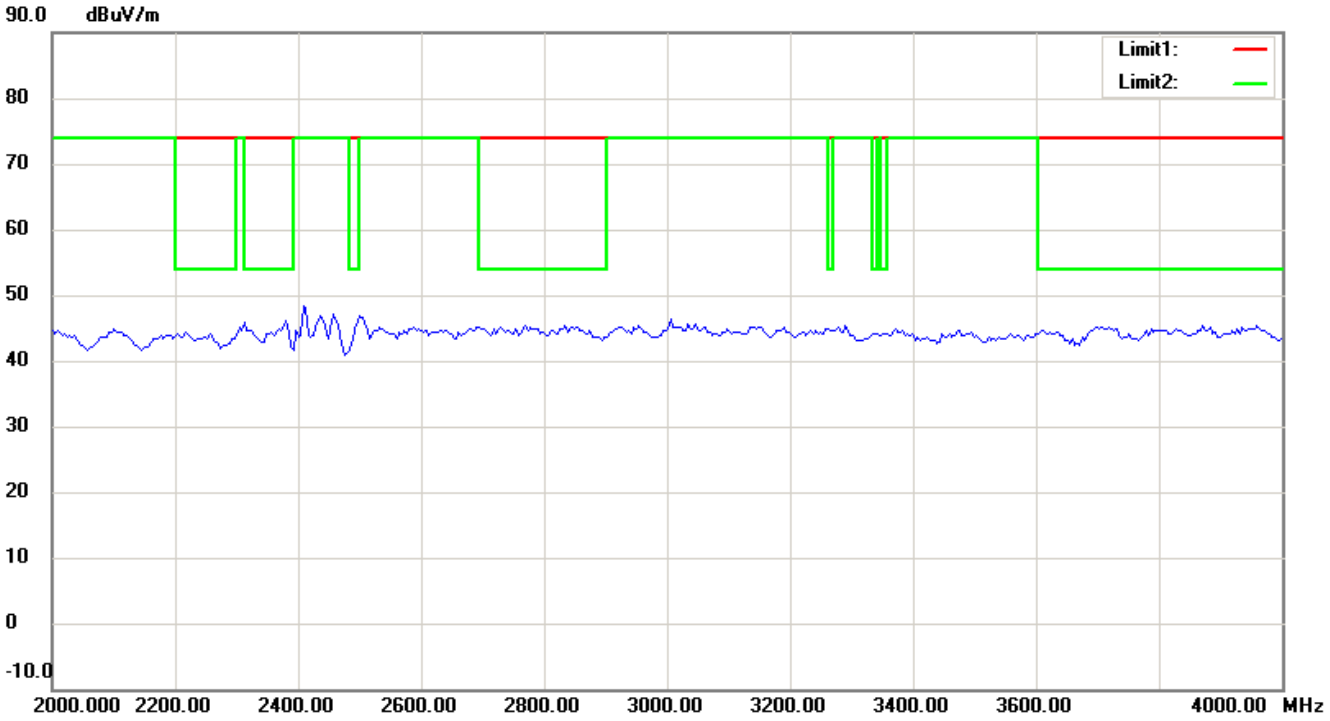
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





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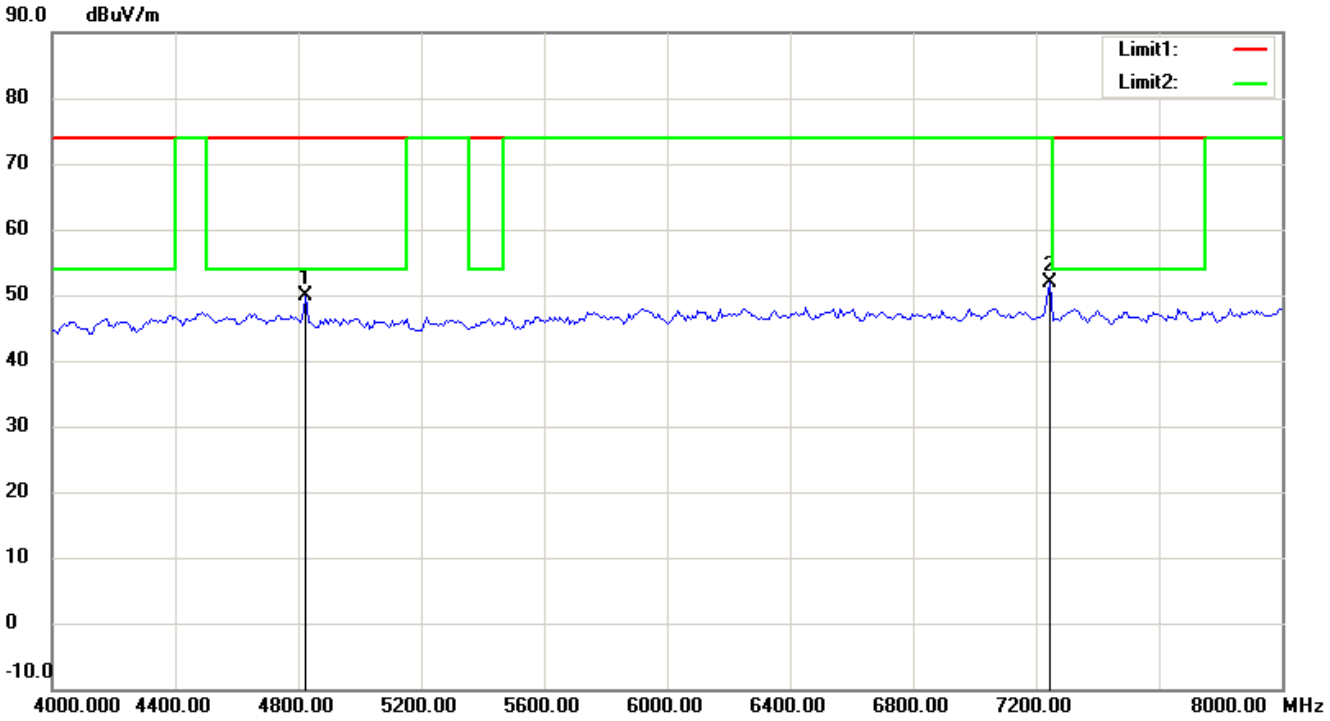
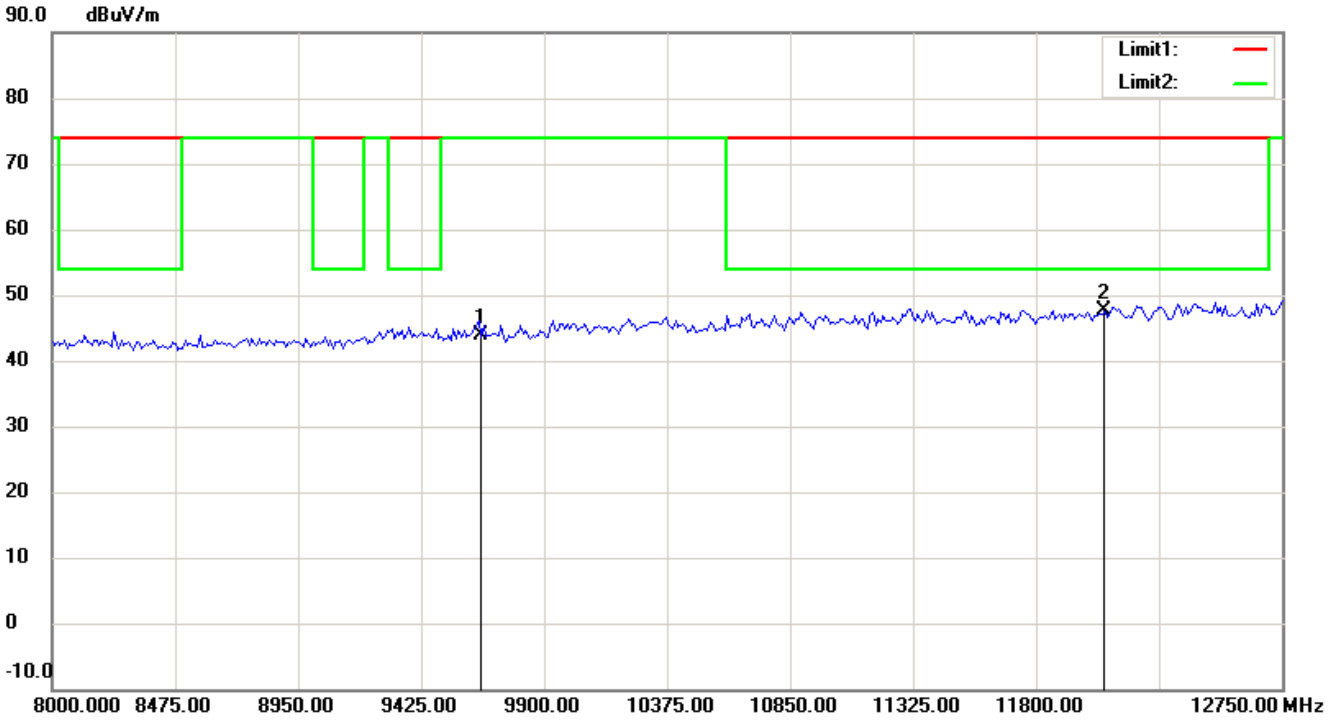
FCC ID: ODMWN370USB





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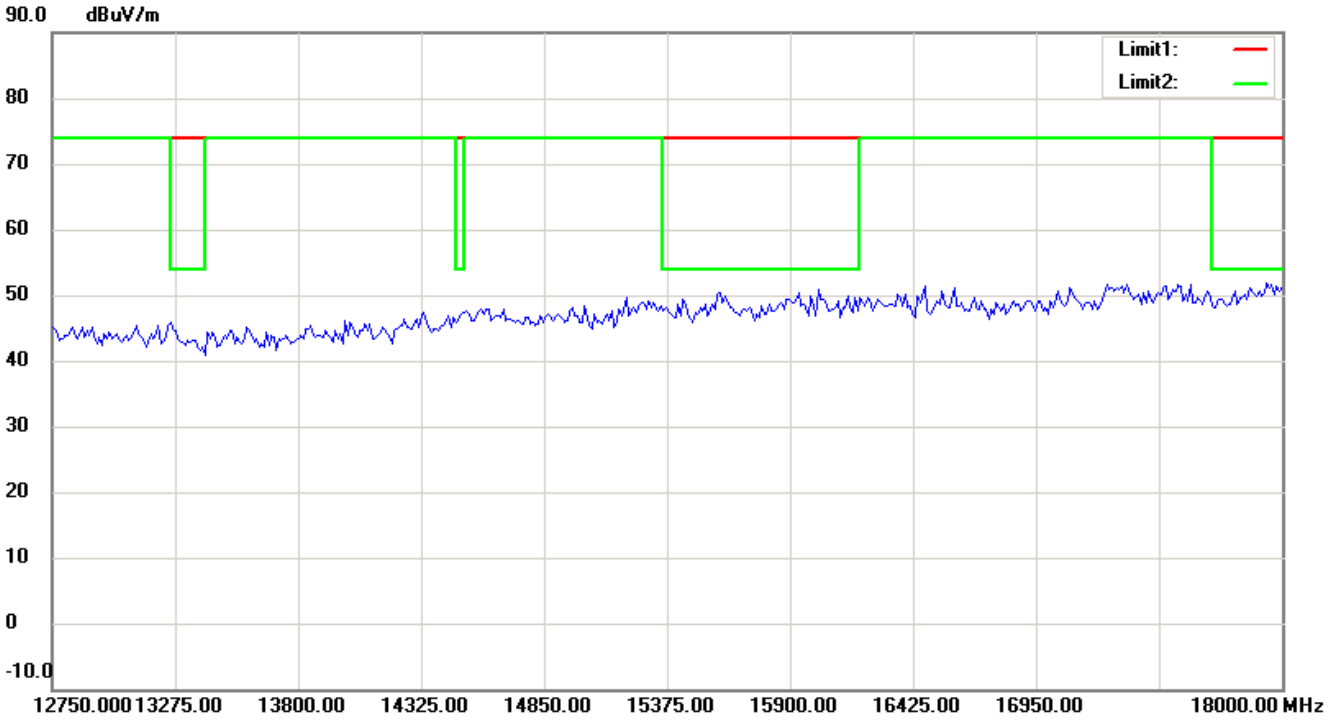
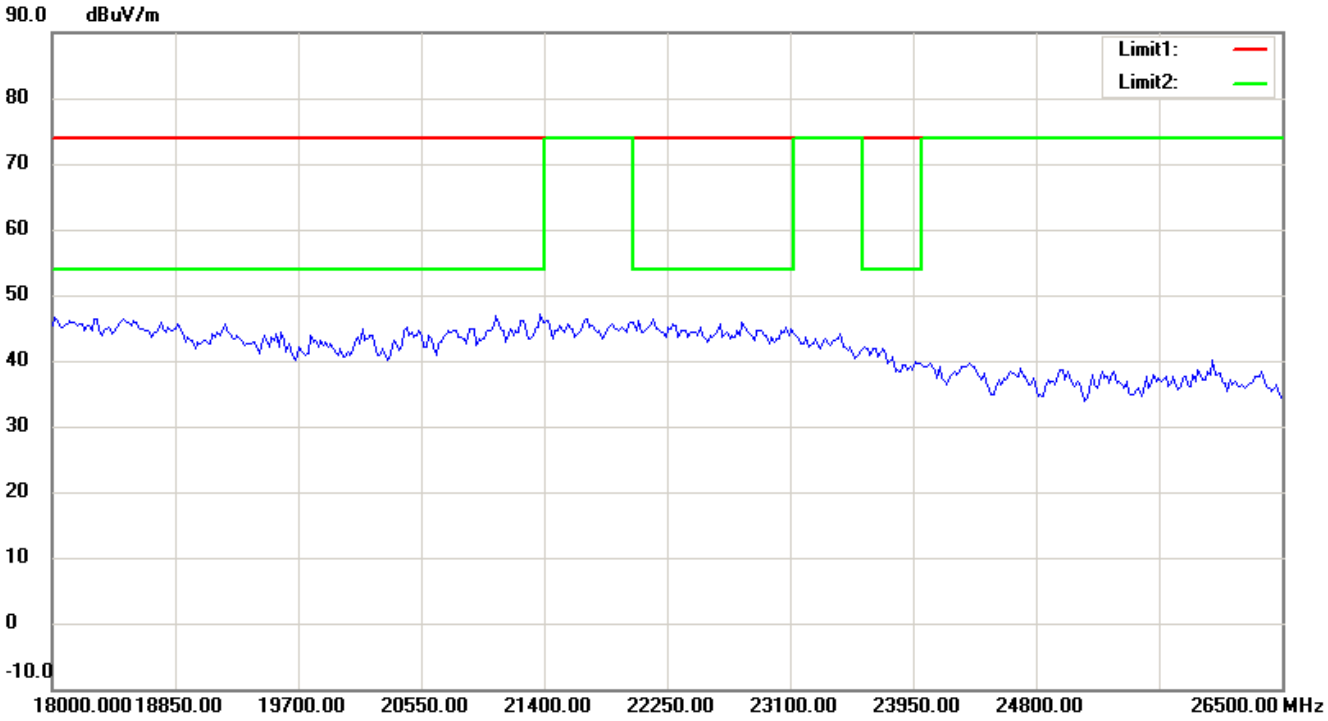
FCC ID: ODMWN370USB





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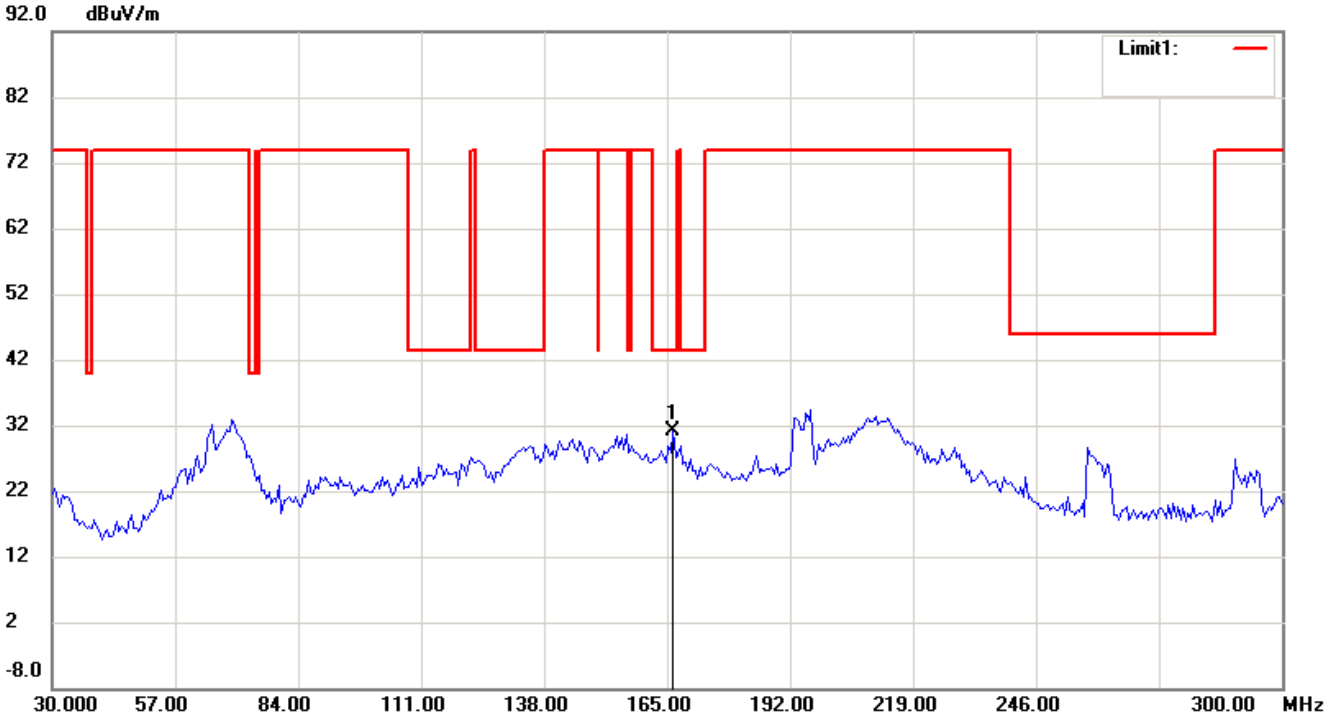
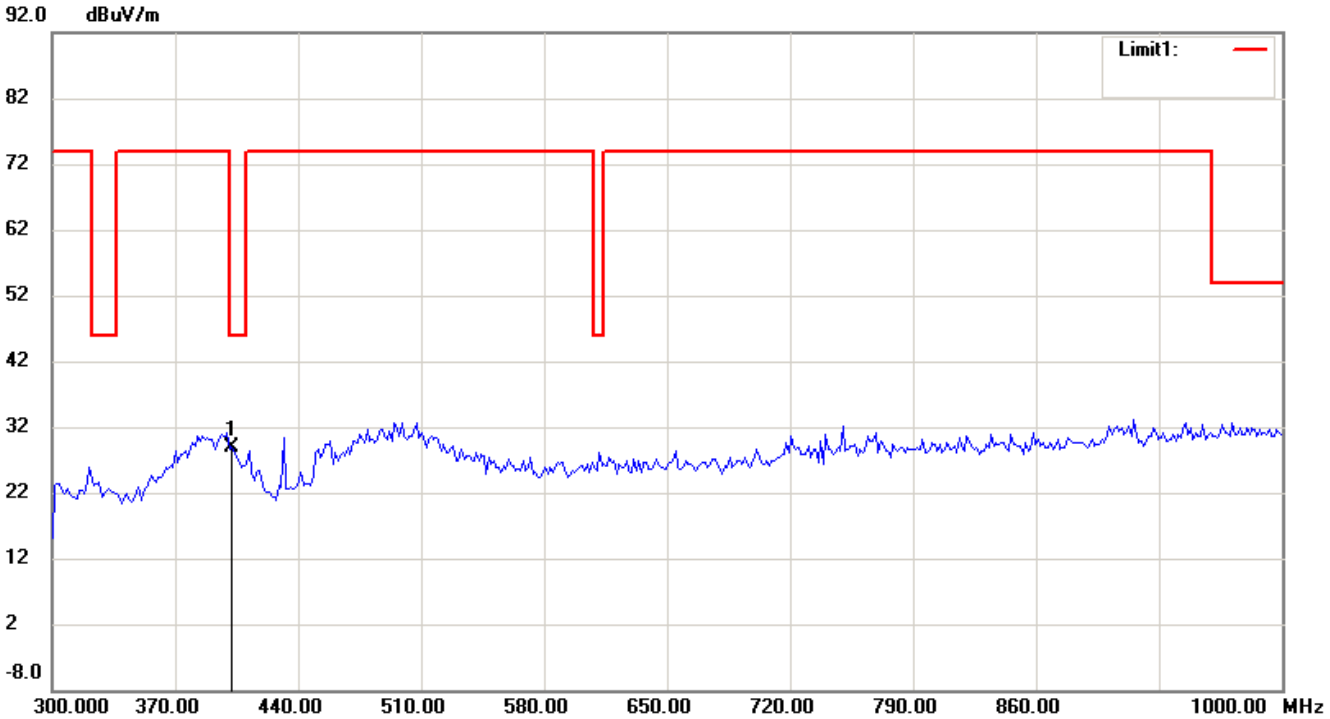
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
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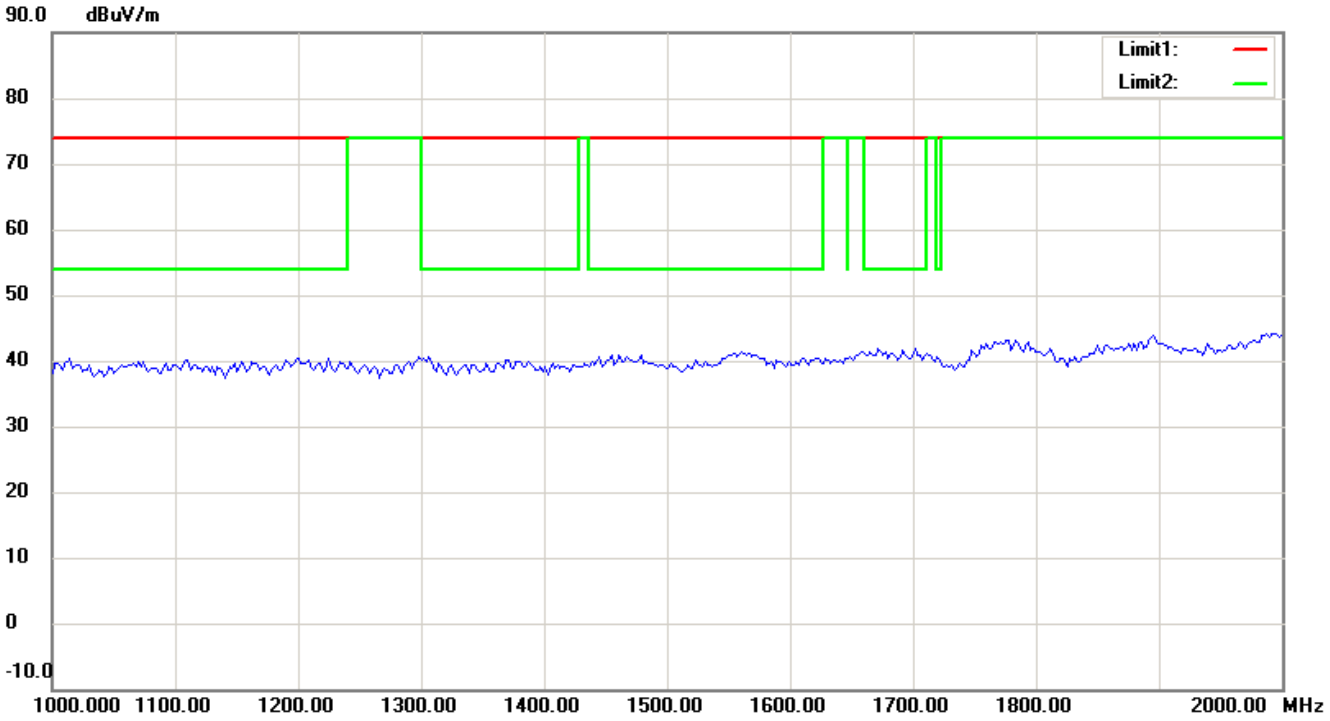
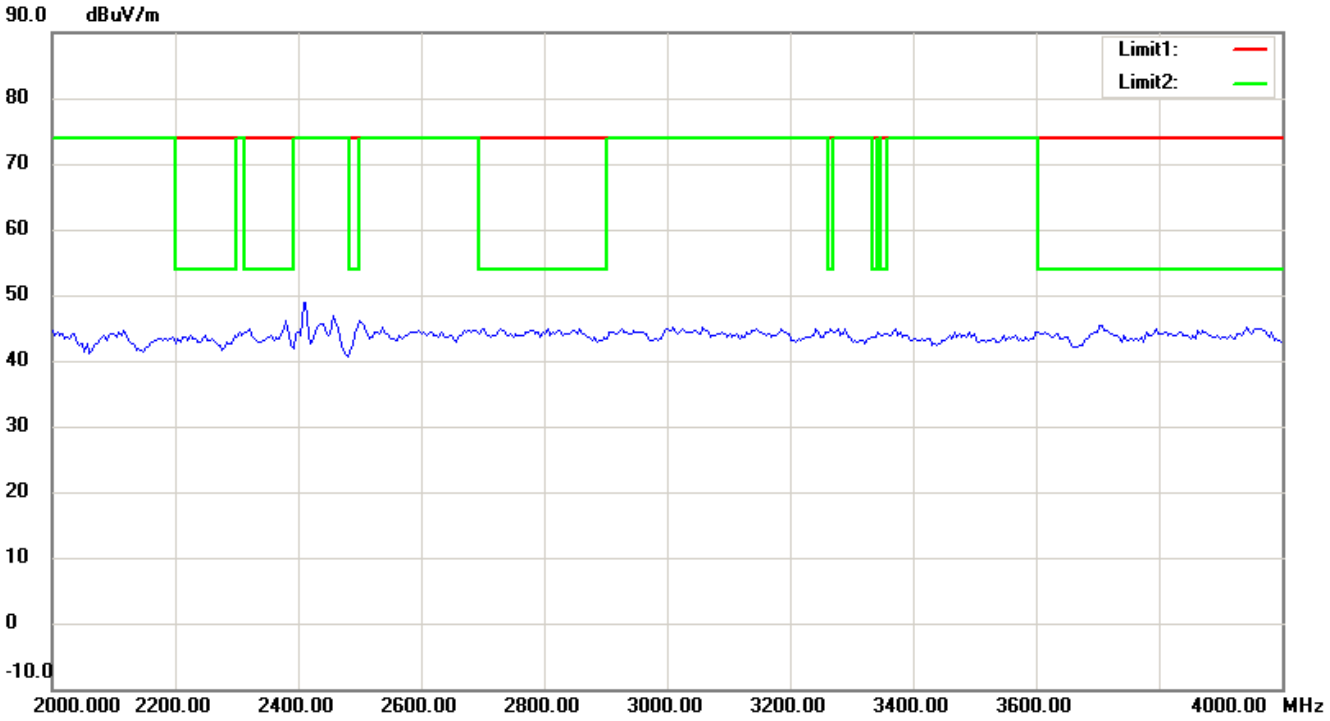
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





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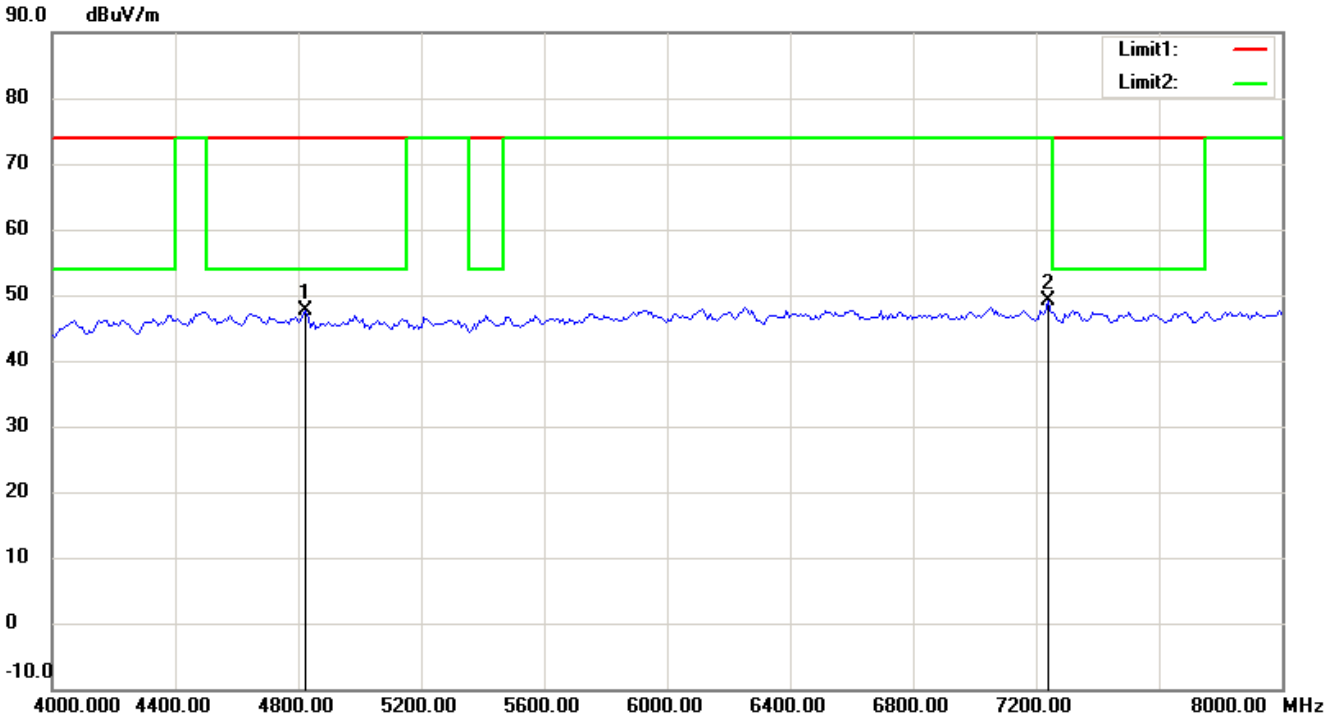
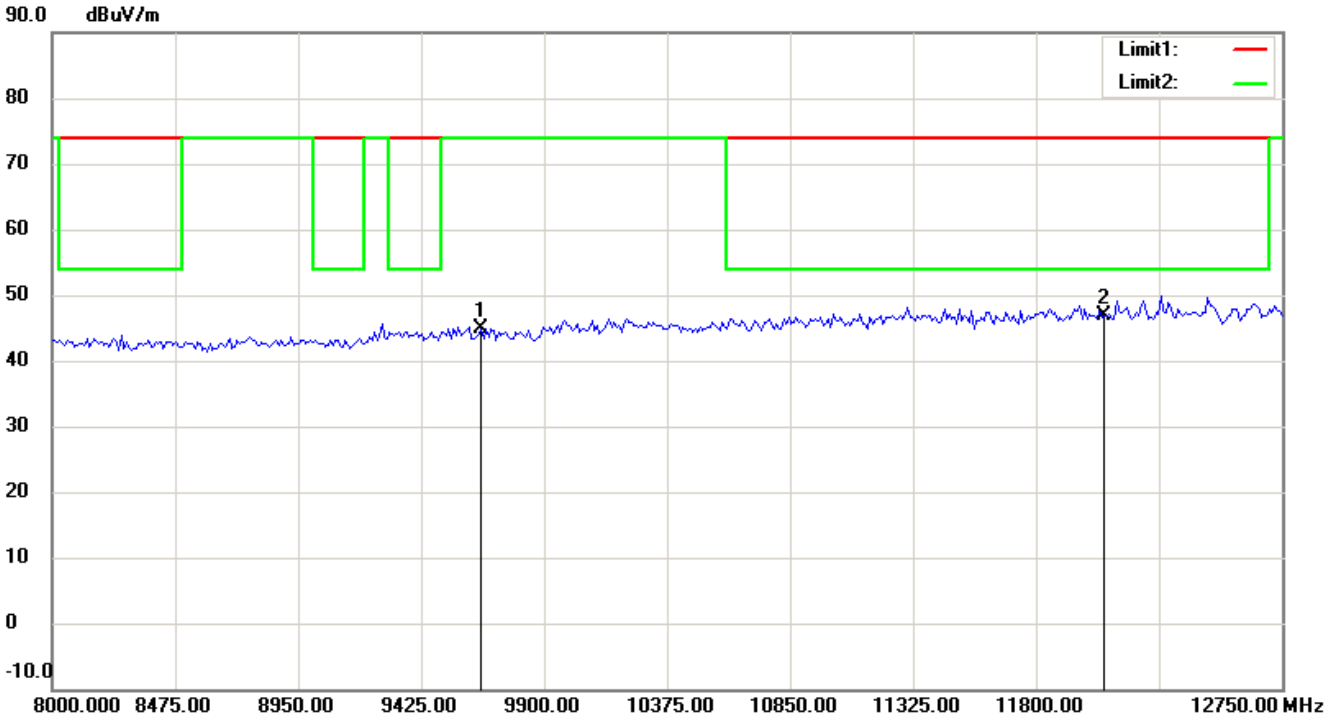
FCC ID: ODMWN370USB





Note:
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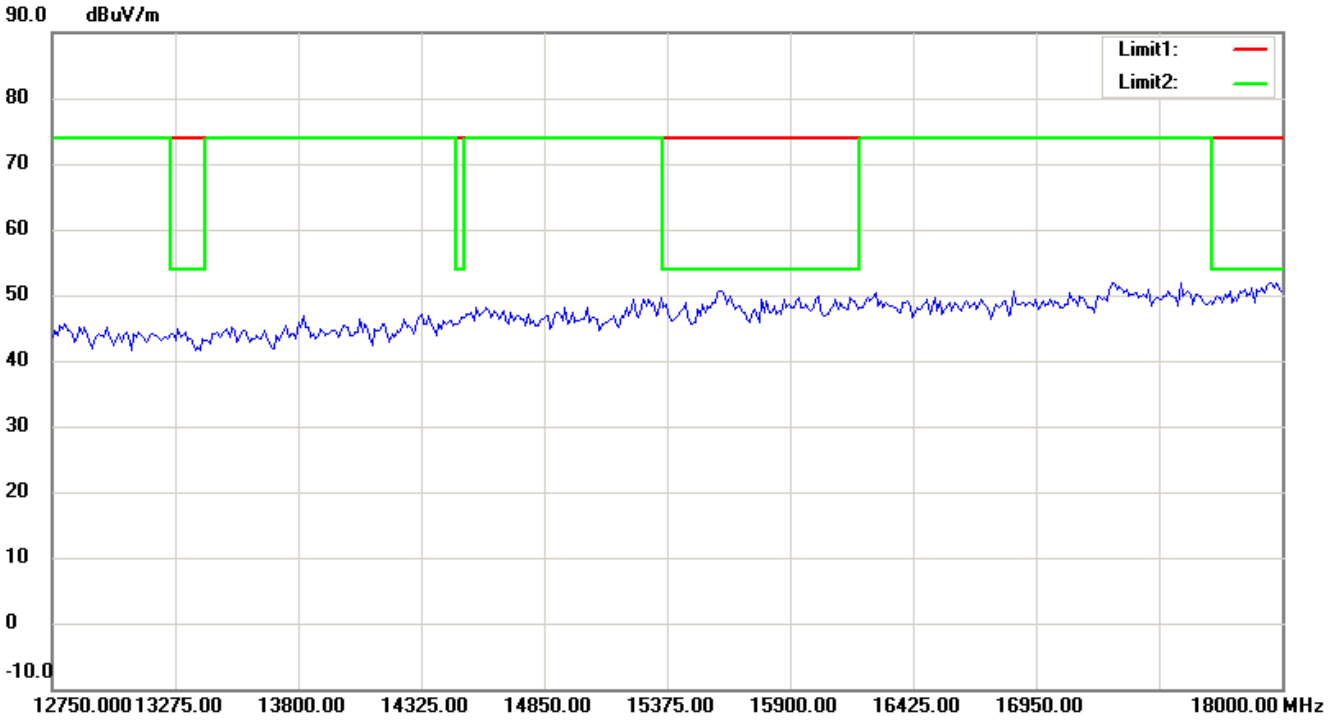
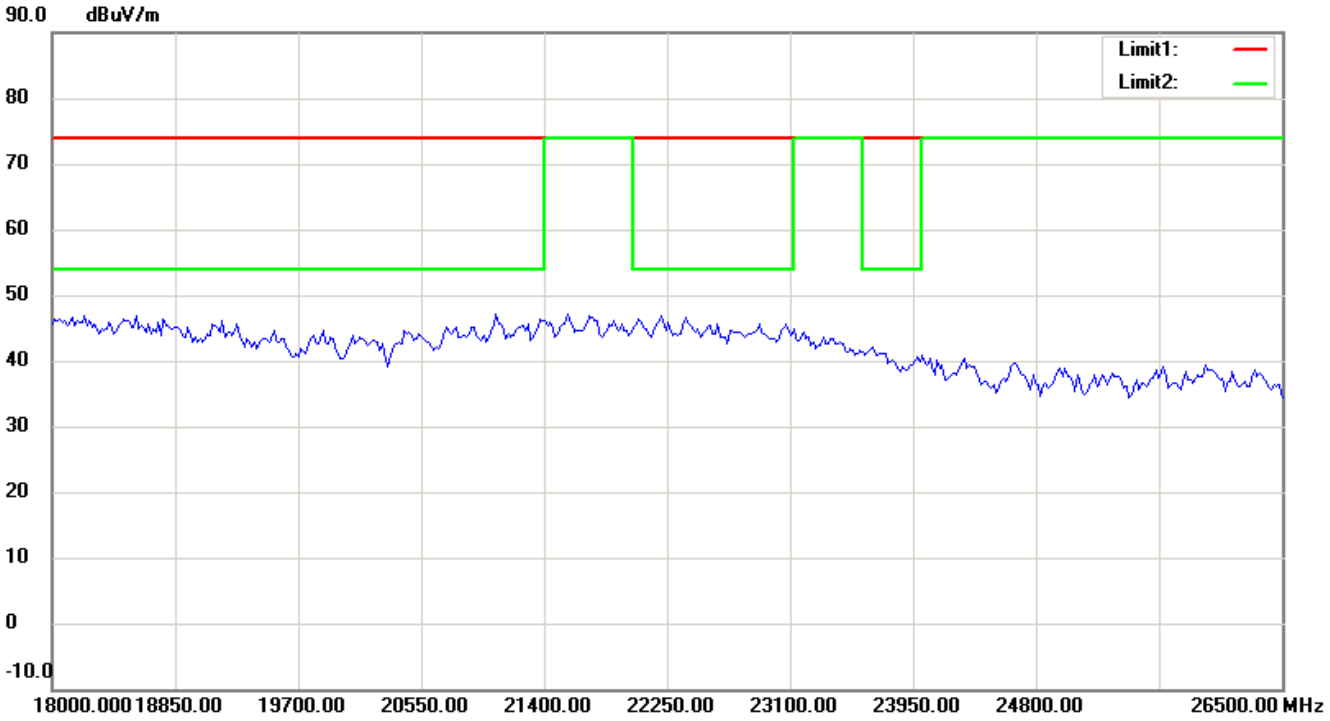
FCC ID: ODMWN370USB





Note:
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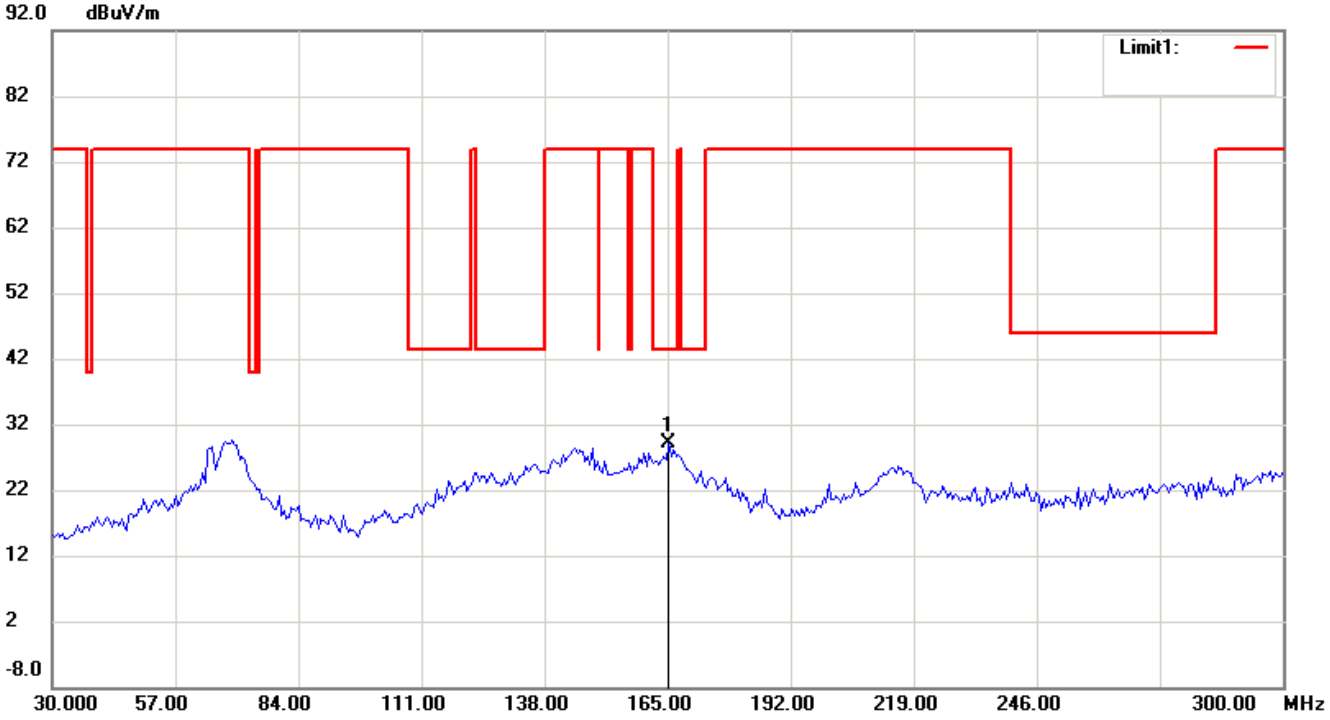
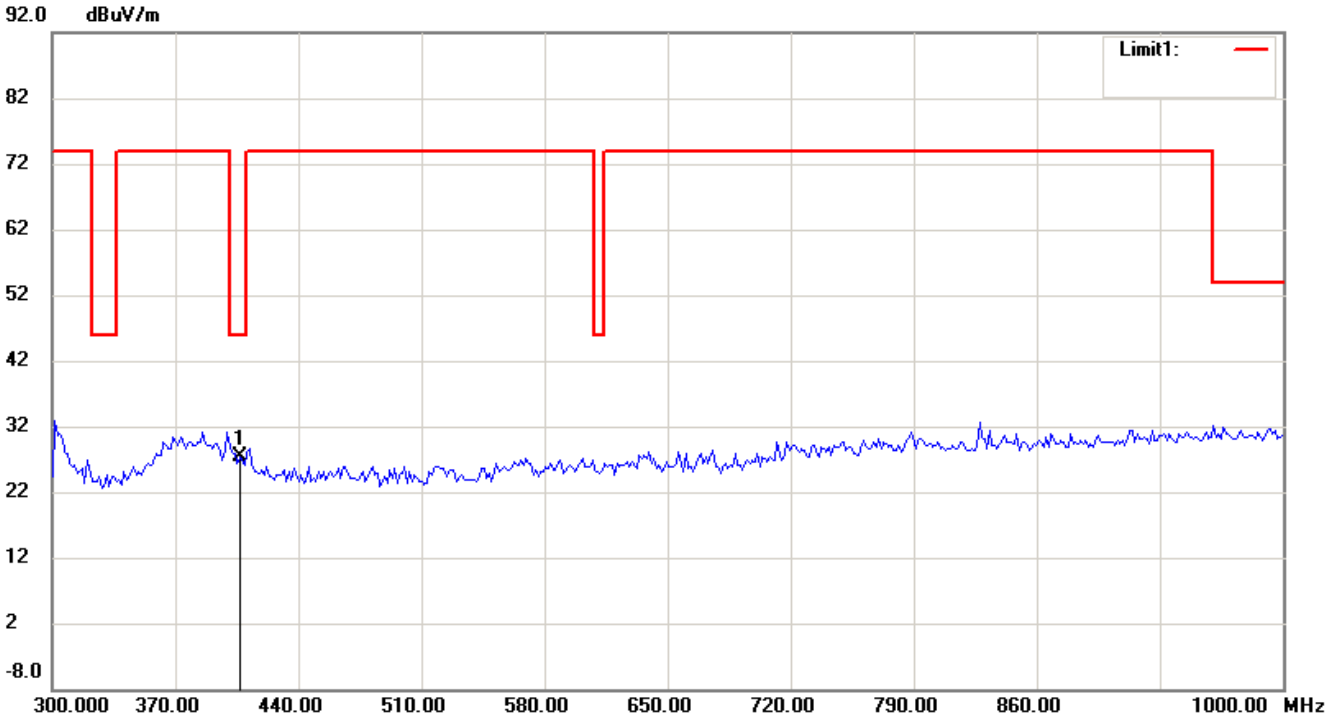
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Channel 6
Antenna Polarization H





Note:
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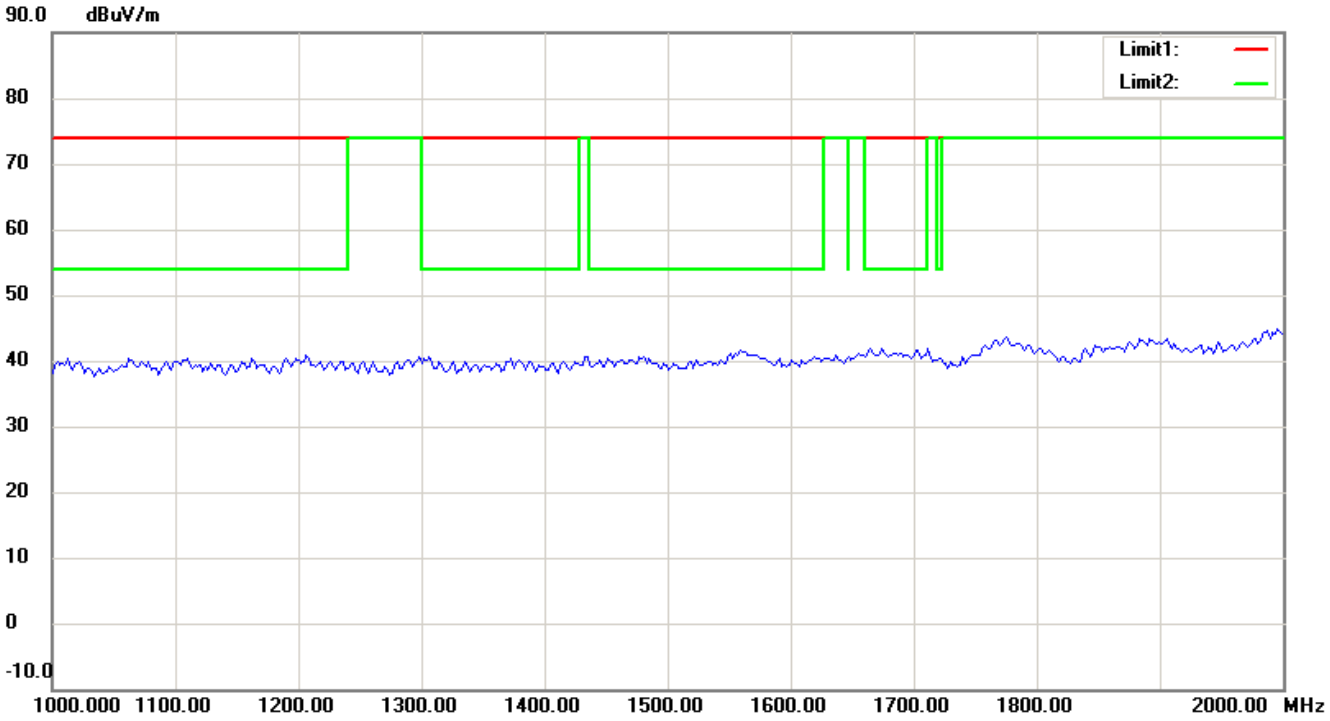
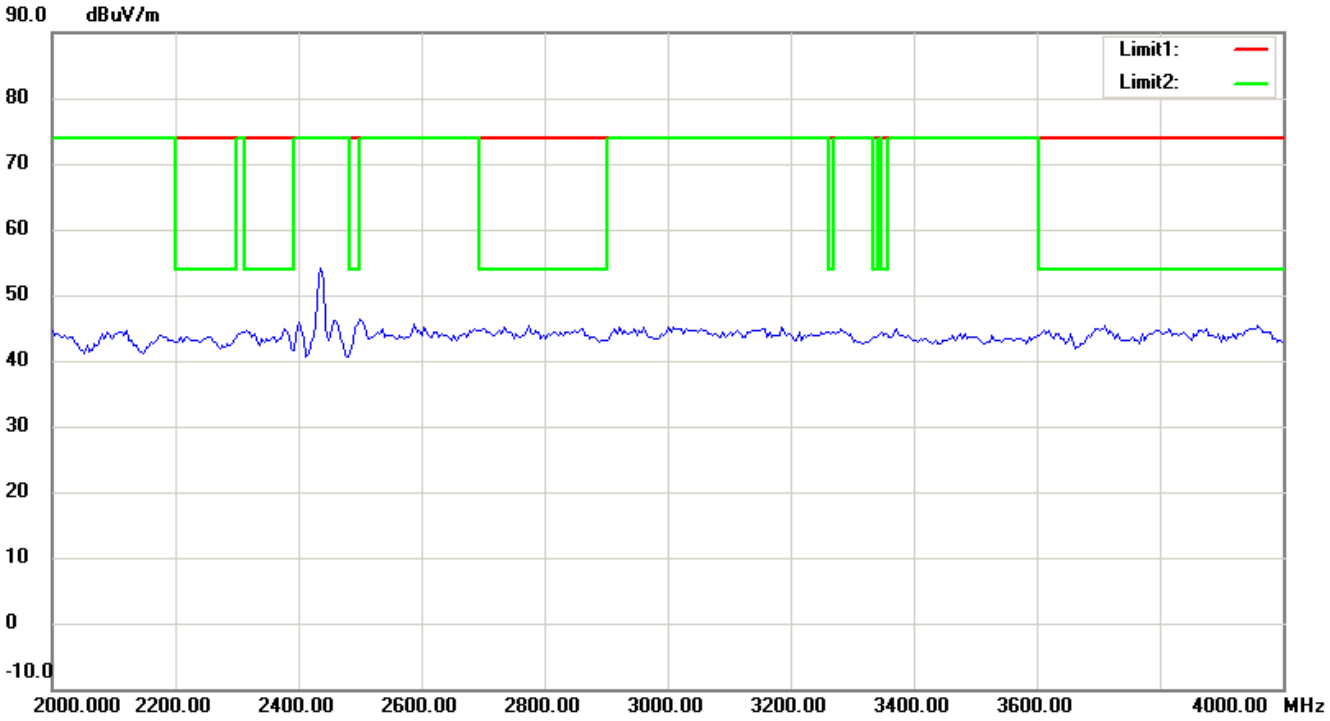
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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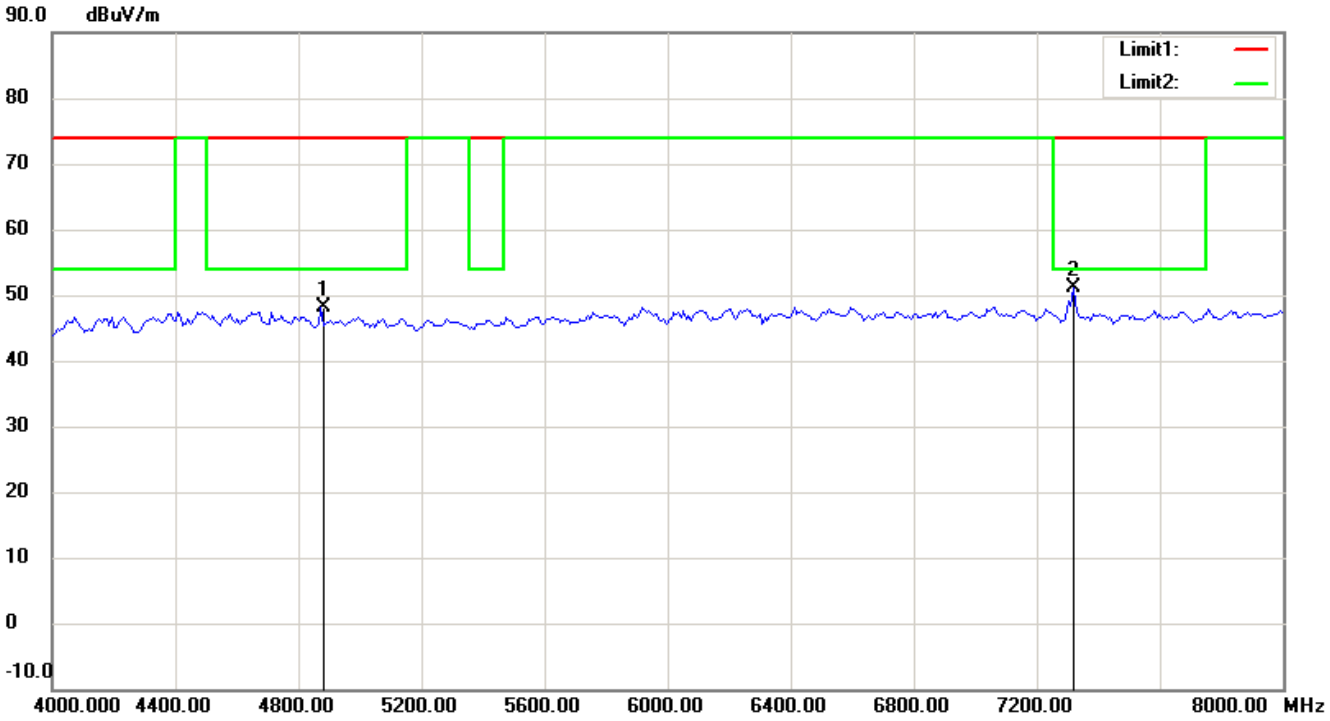
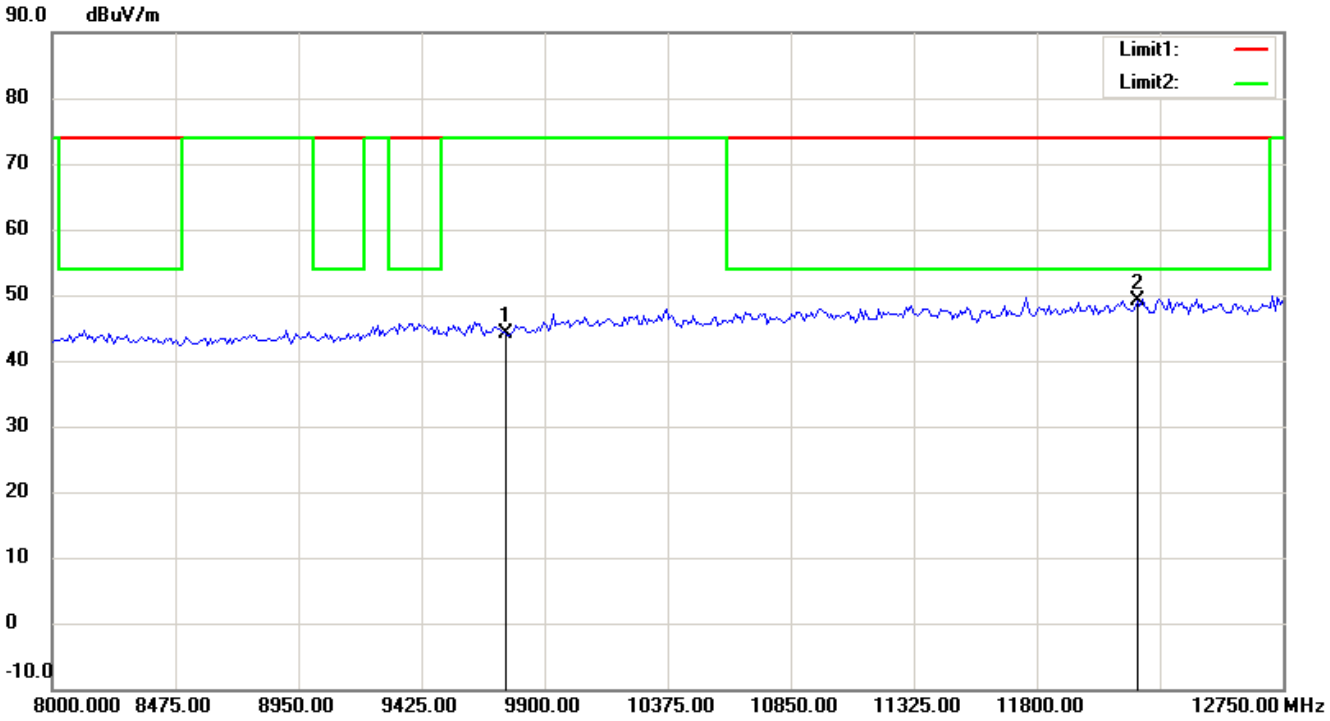
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





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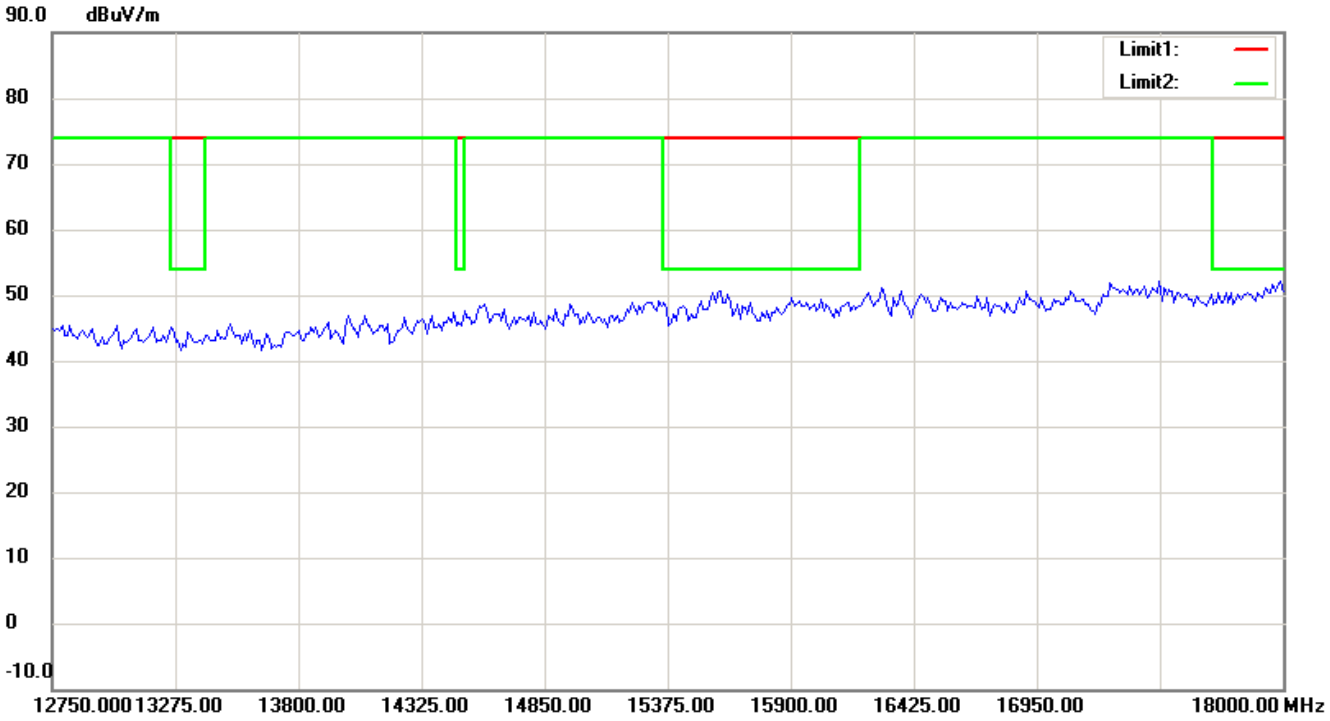
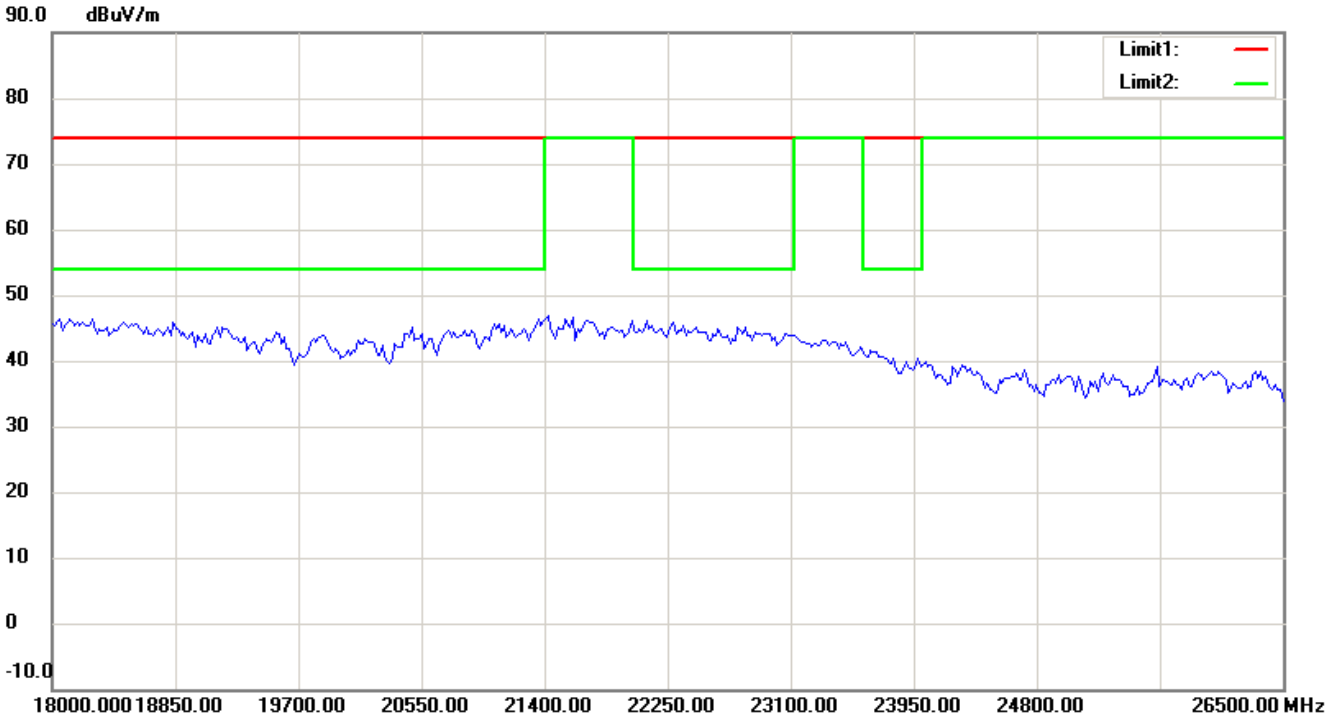
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





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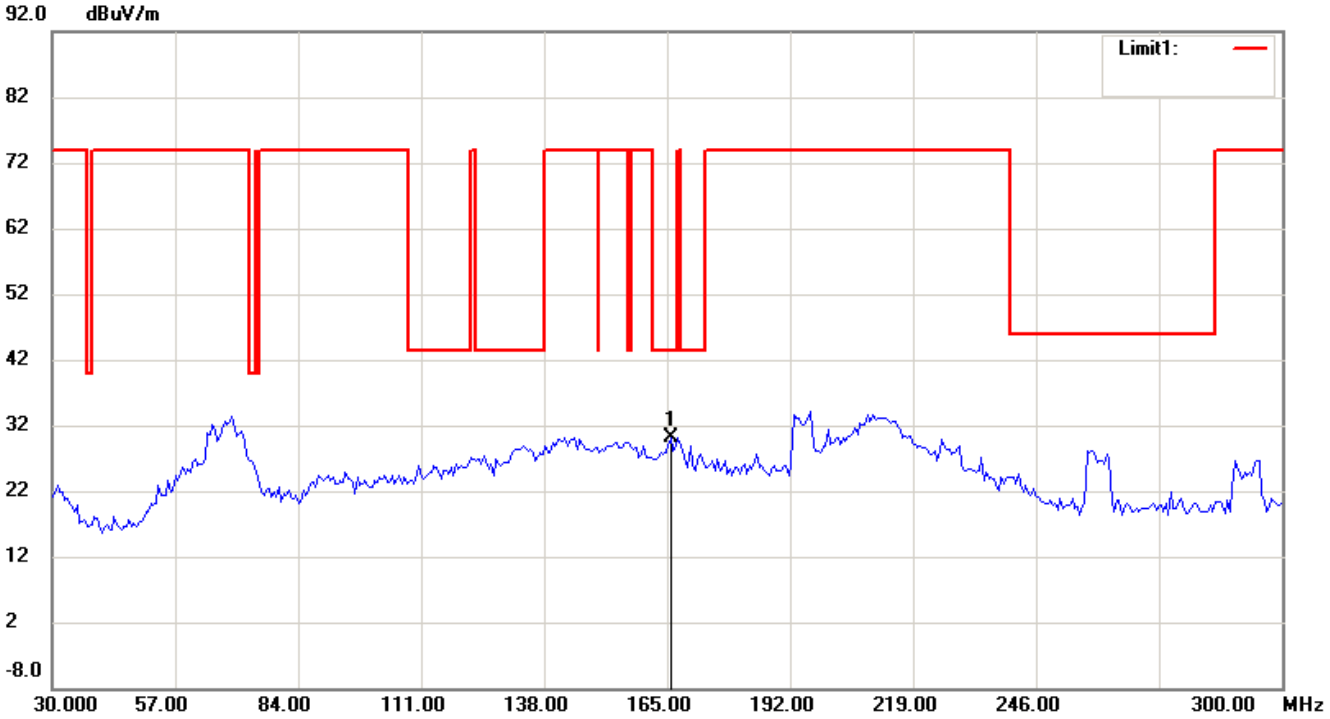
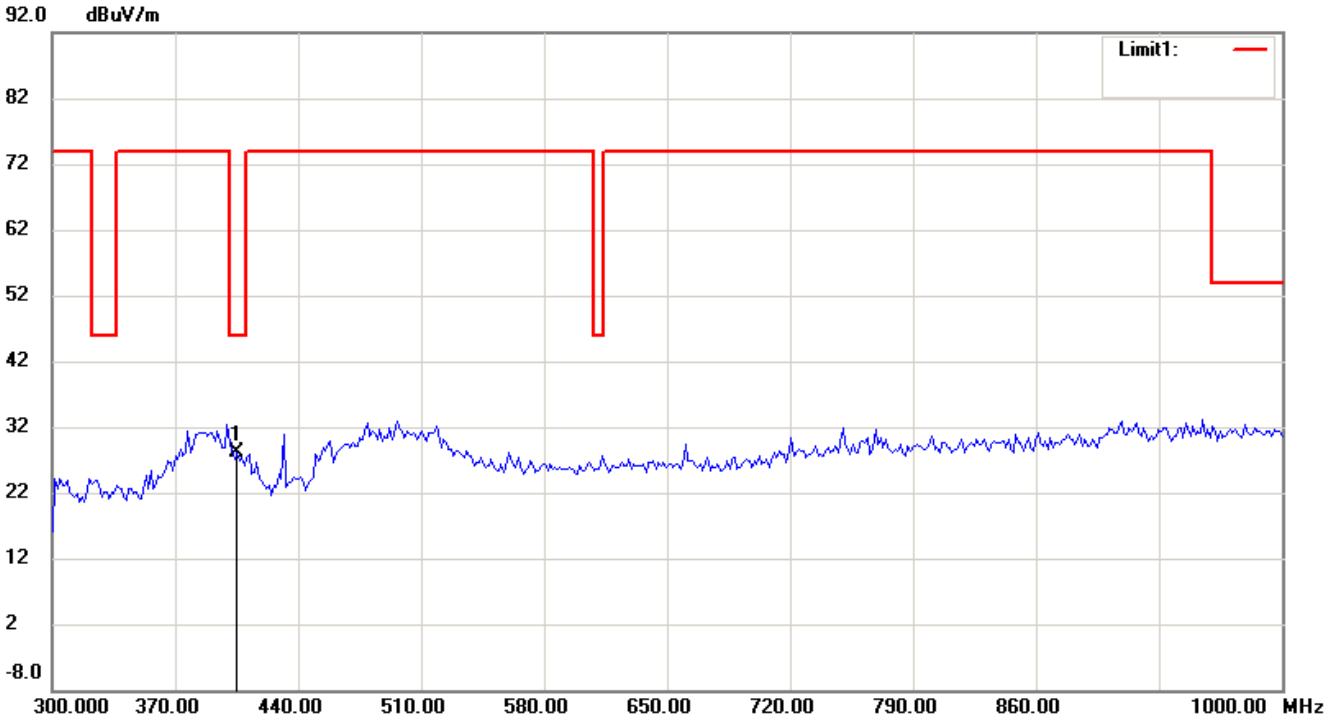
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





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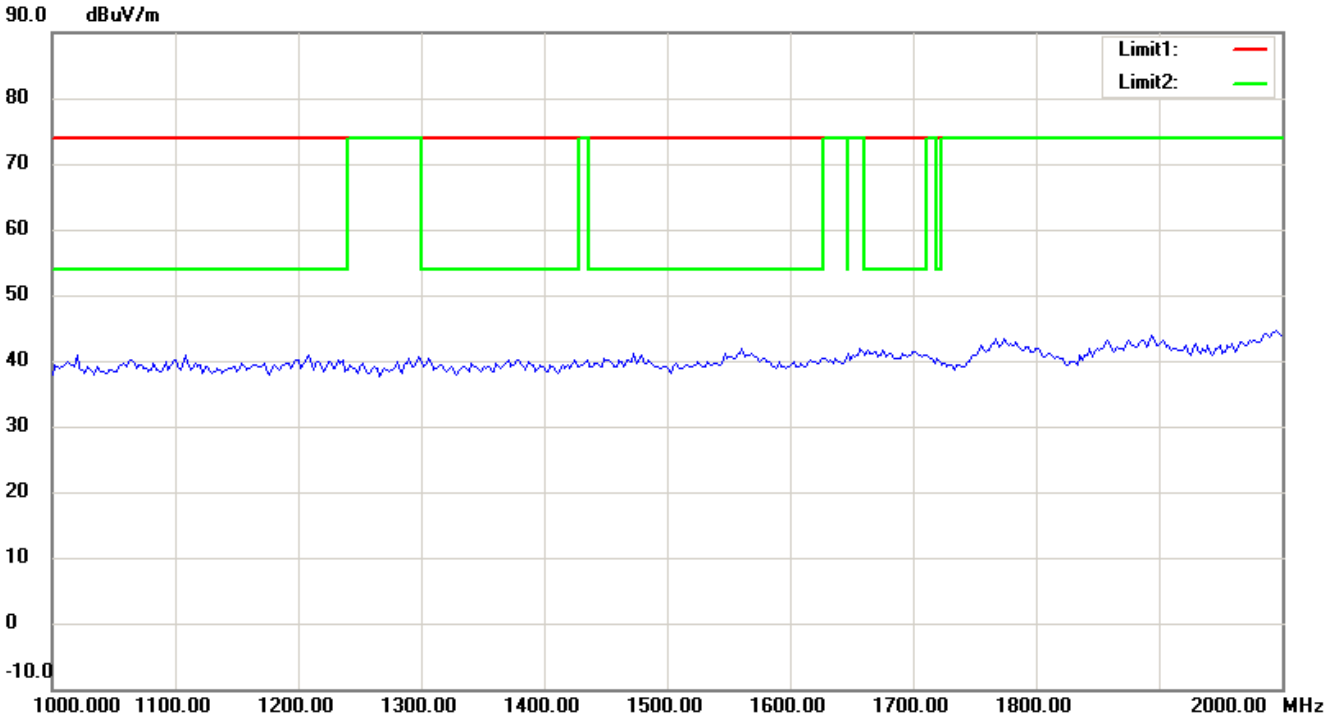

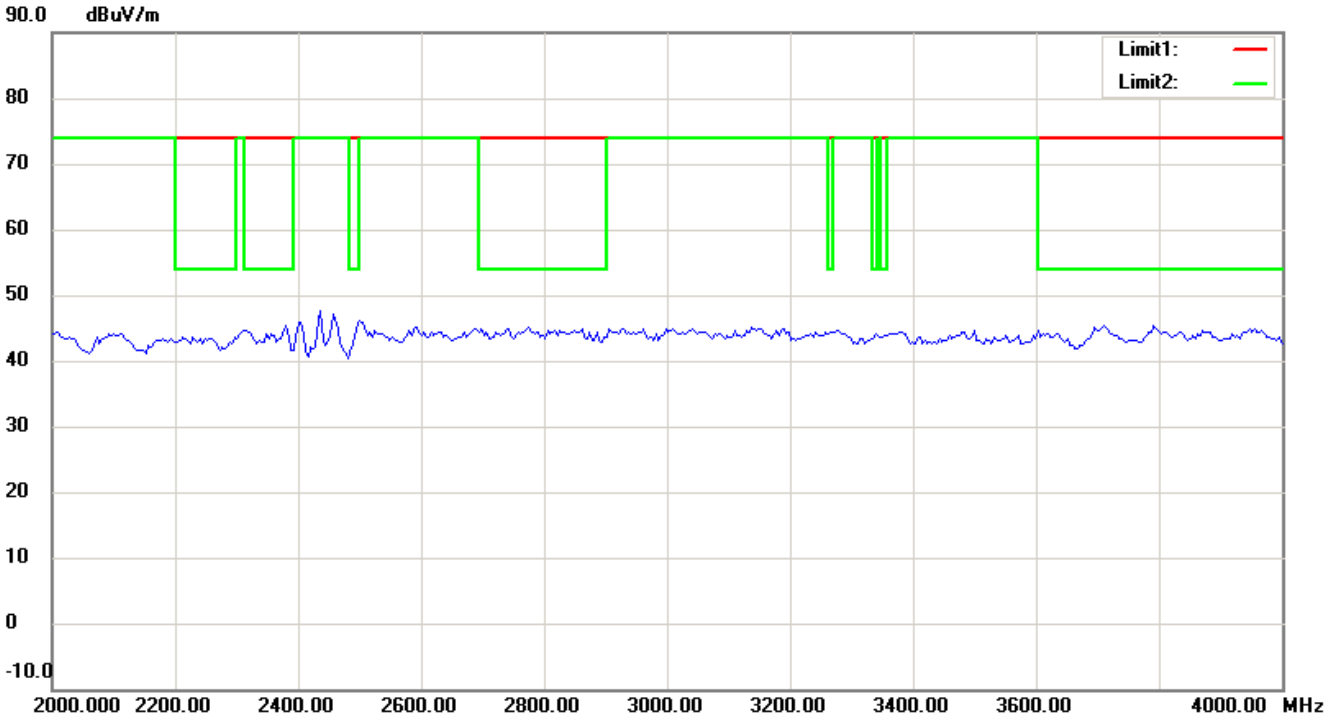

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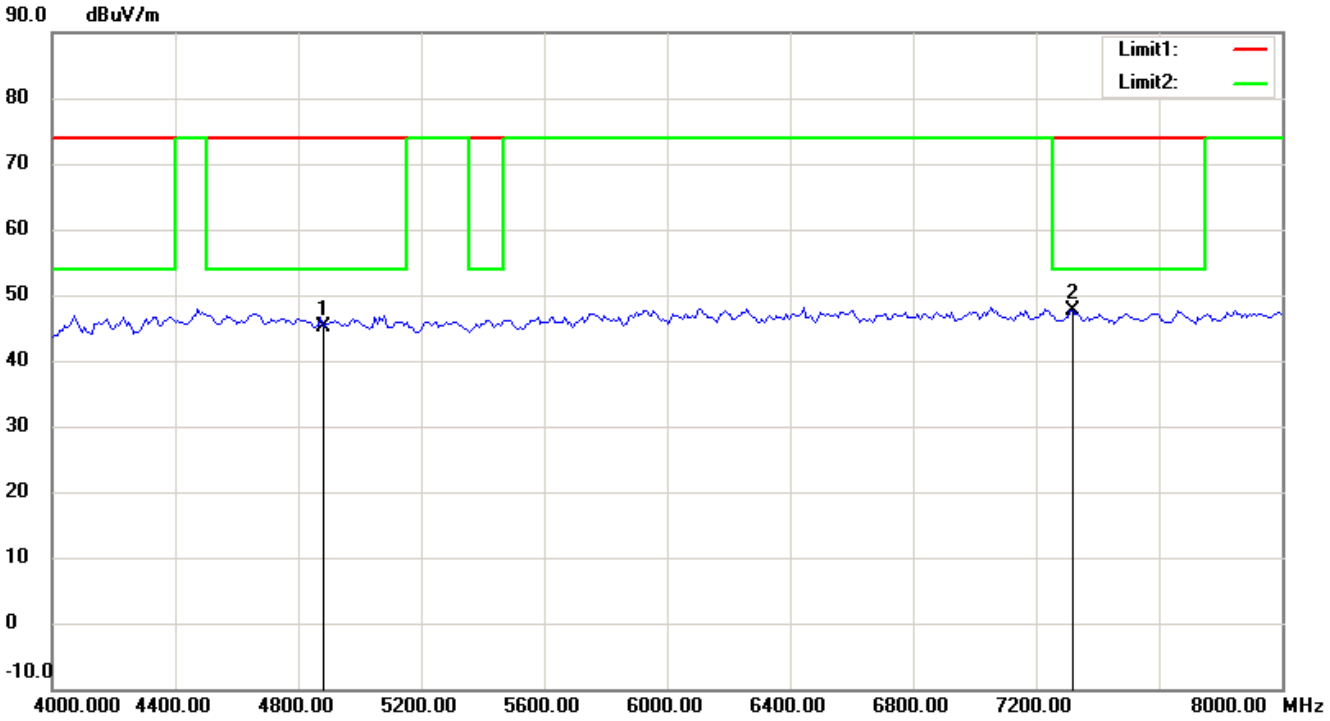

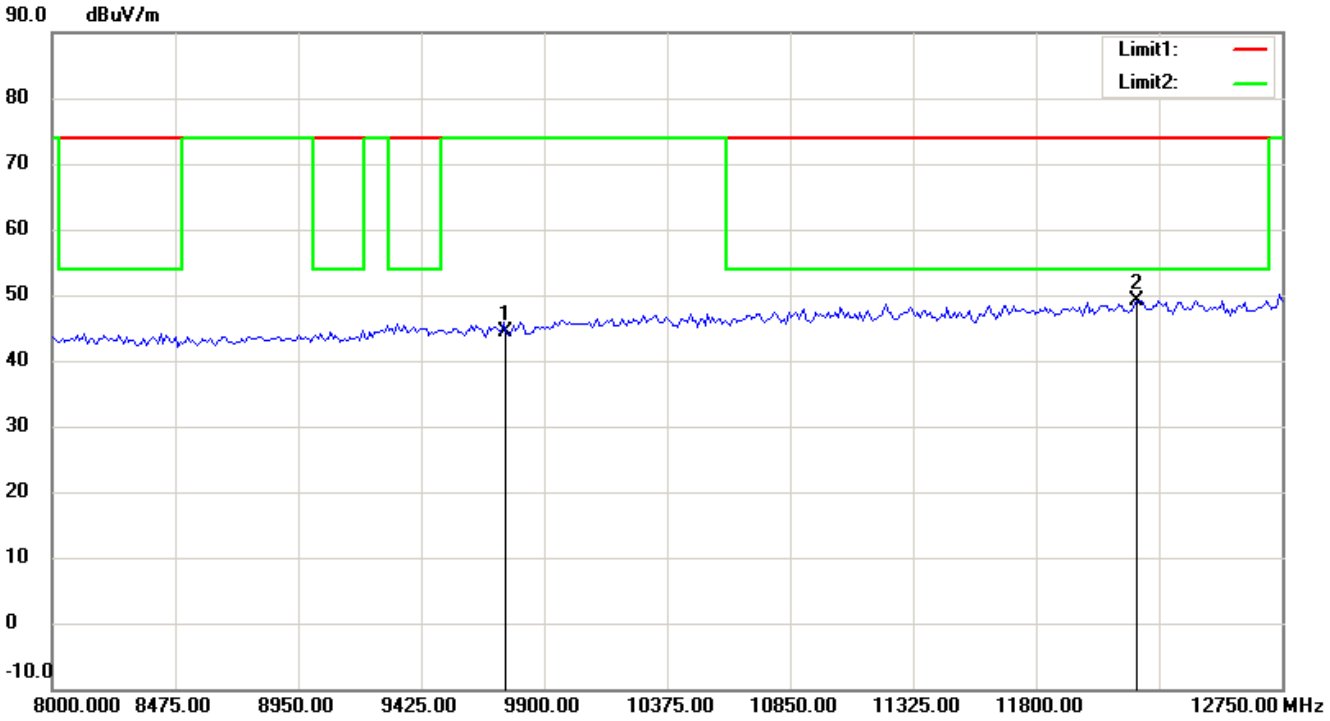

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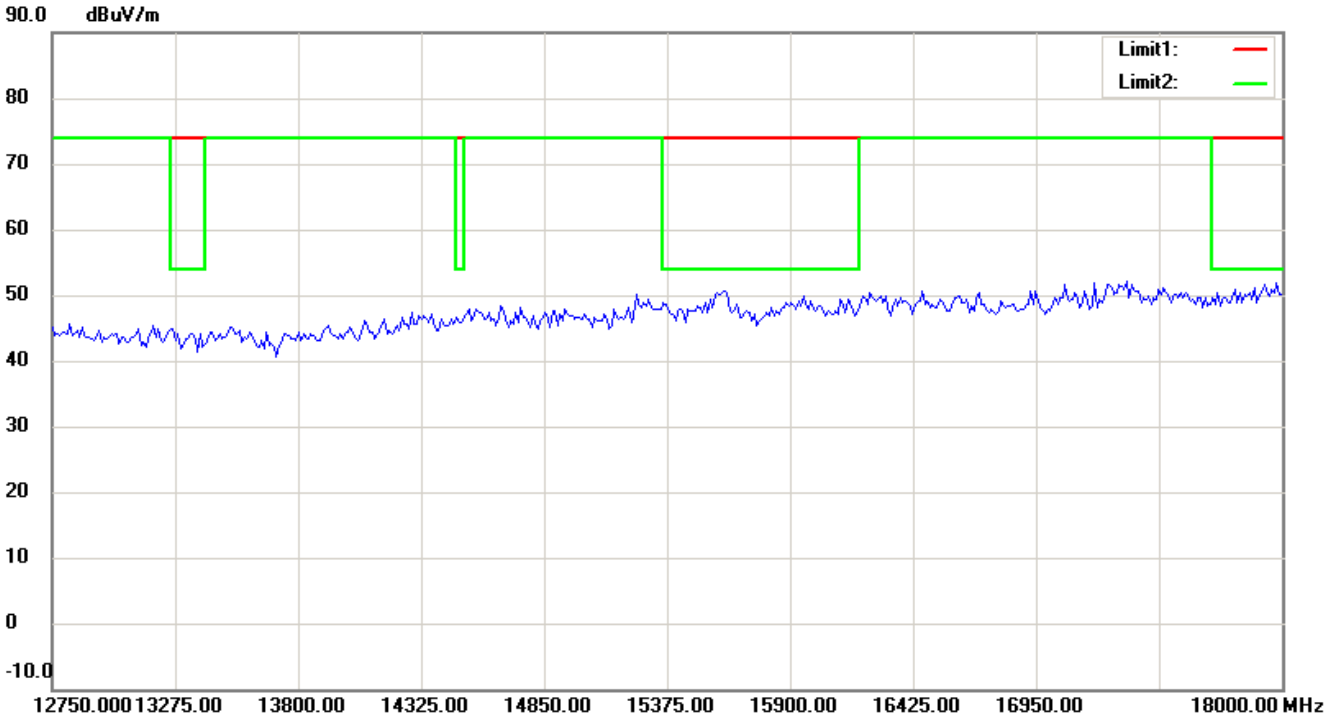

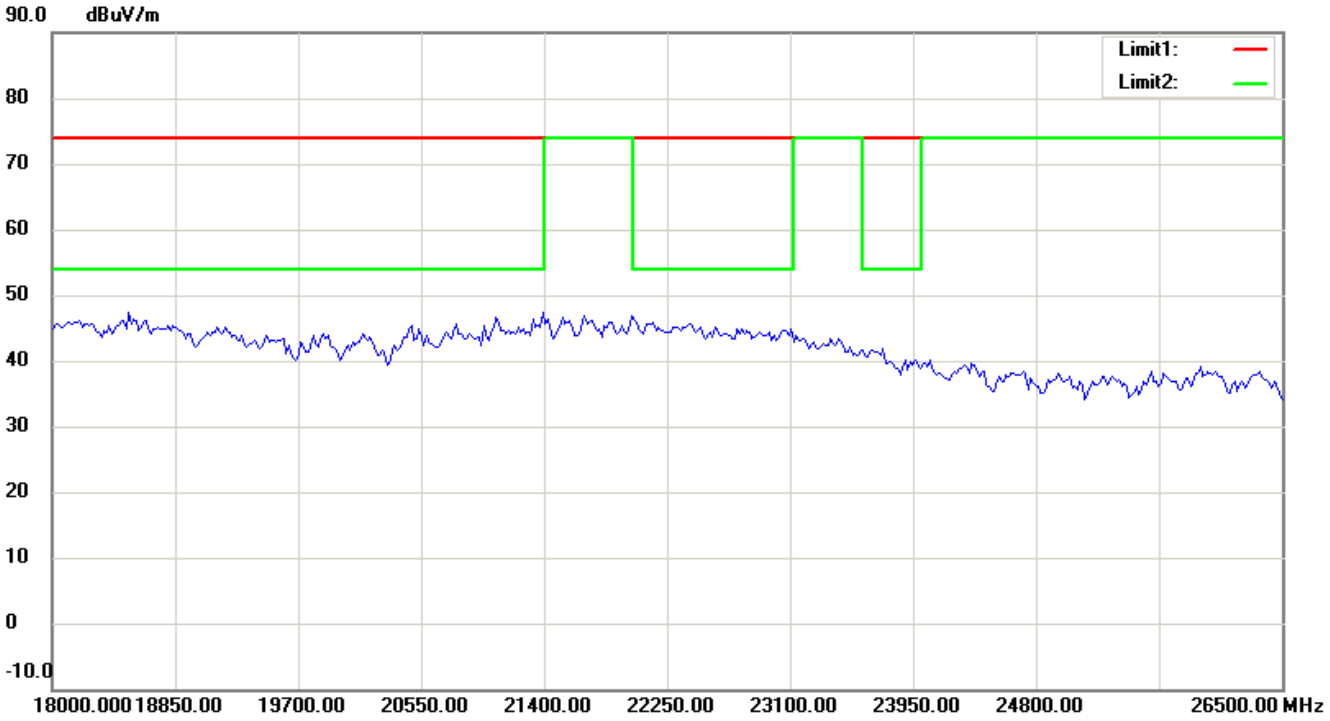

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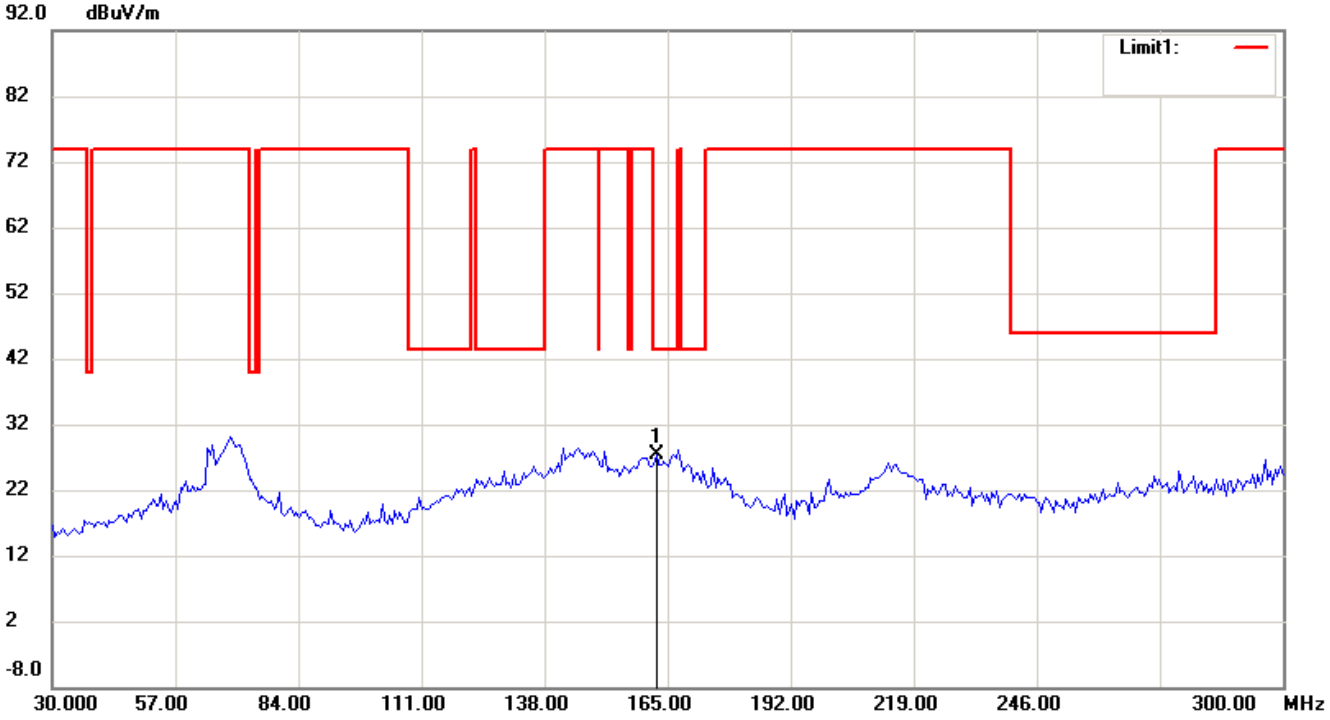
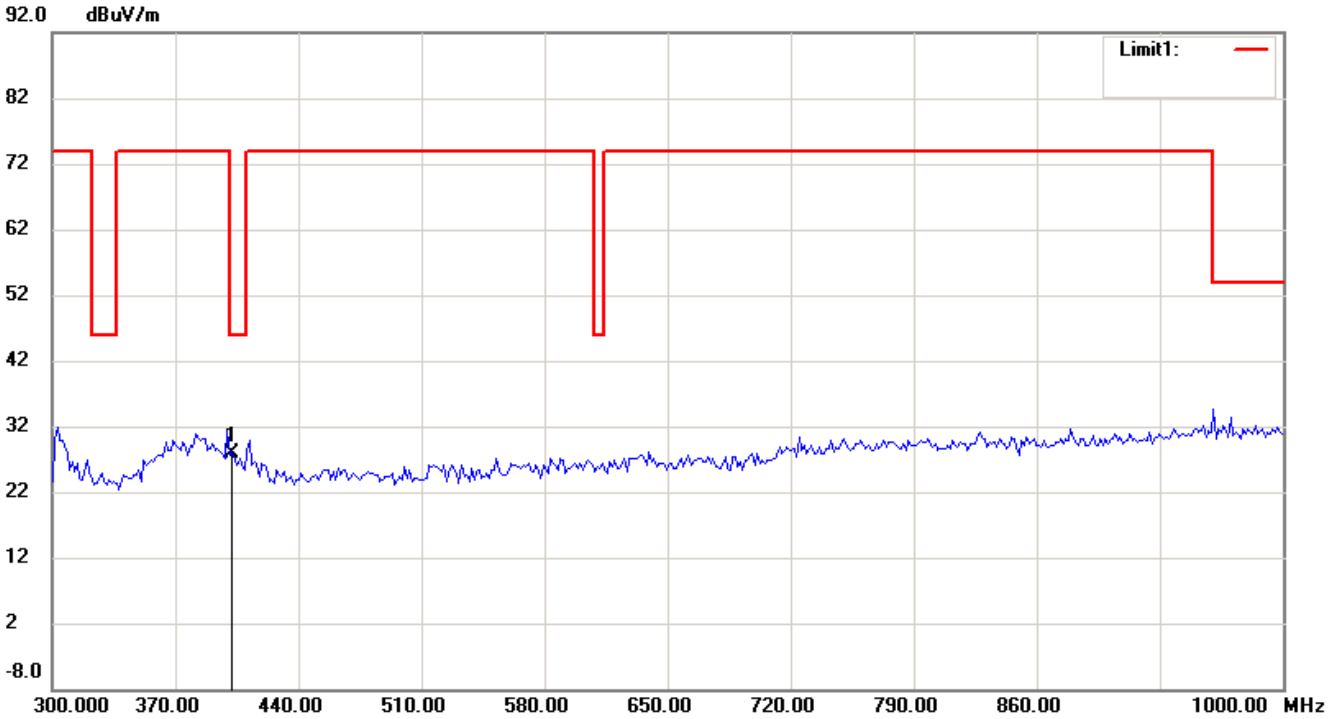
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Channel 11
Antenna Polarization H





Note:
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Registration number: W6D21105-11474-C-1
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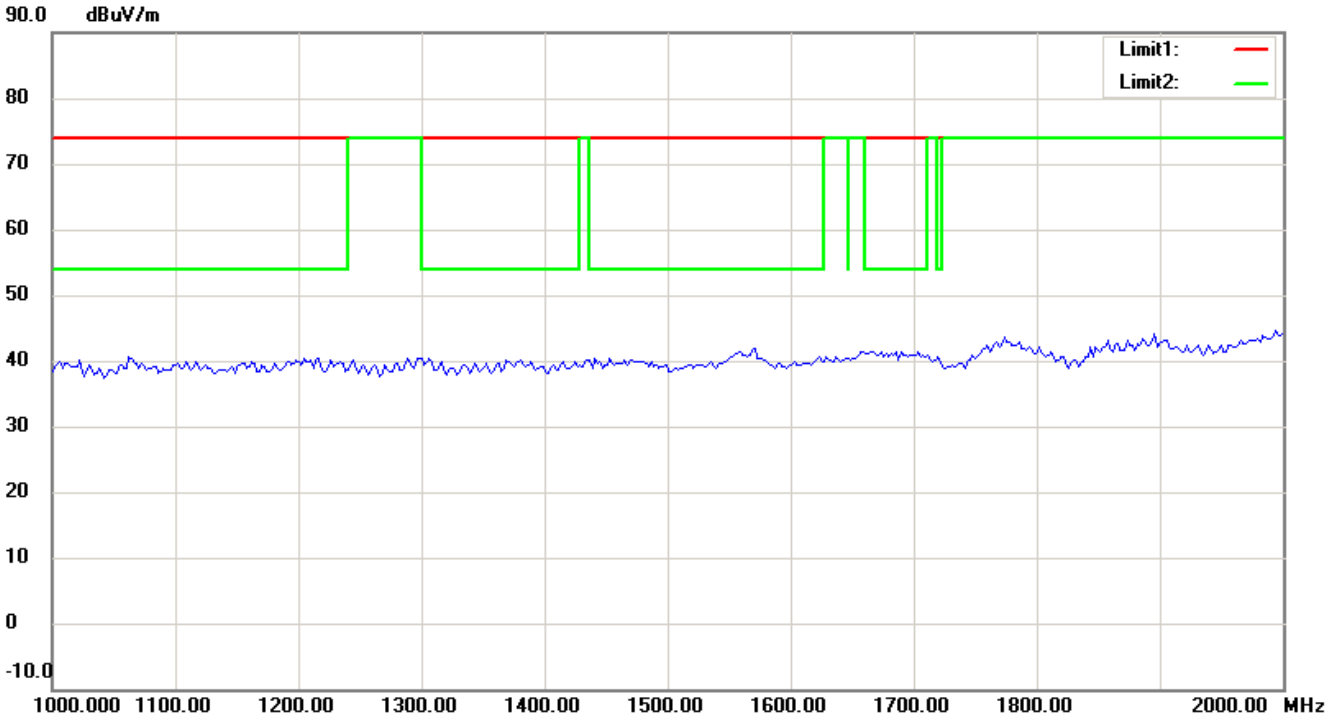

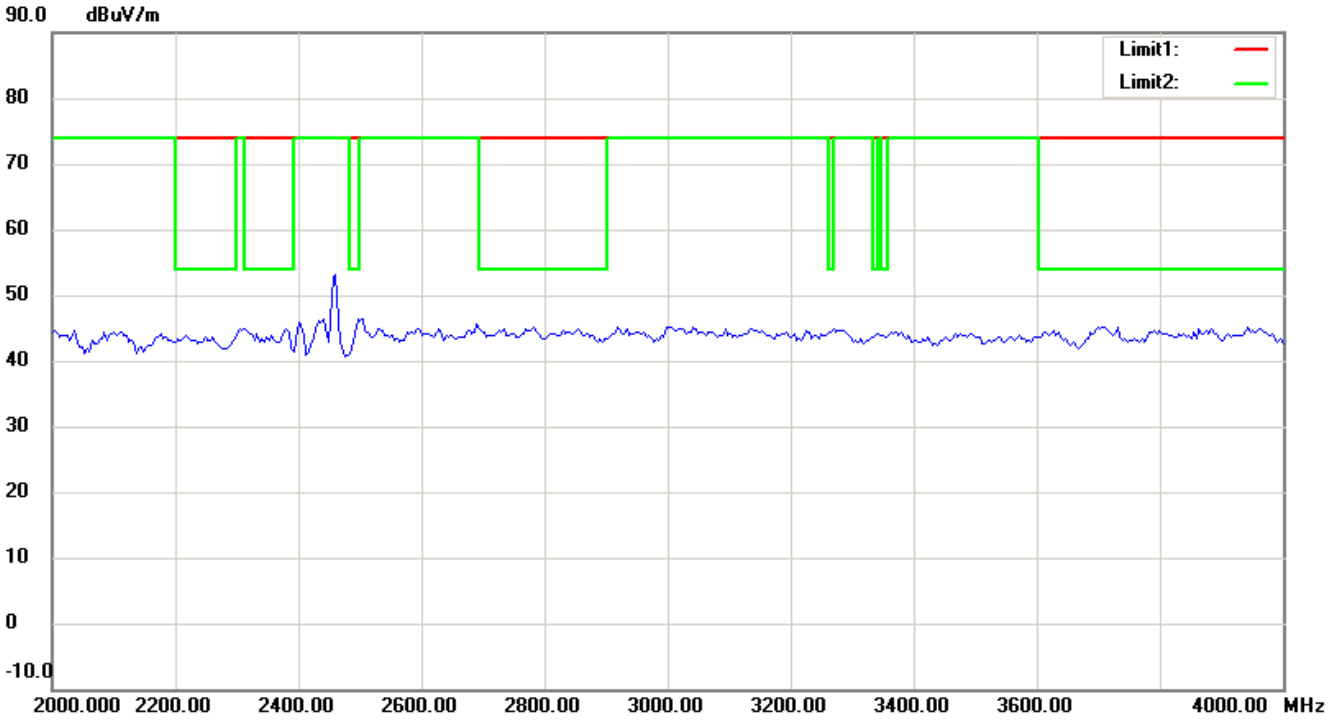

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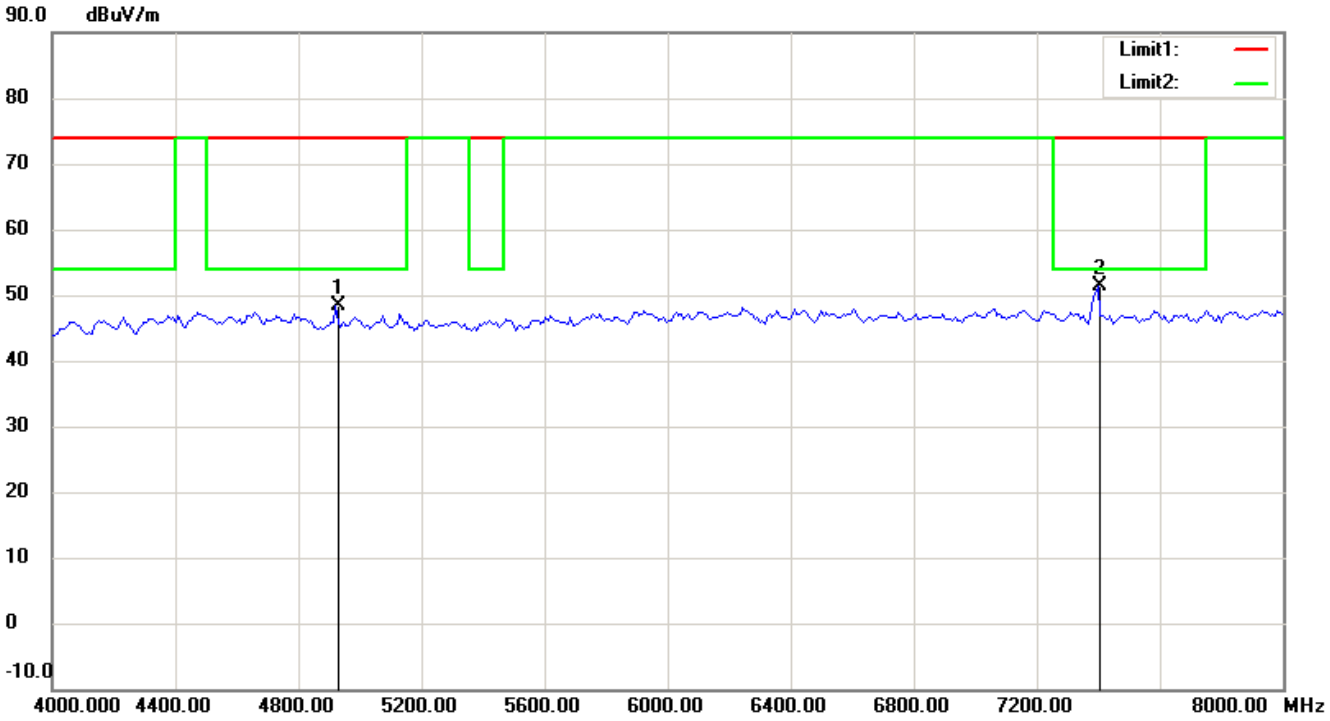
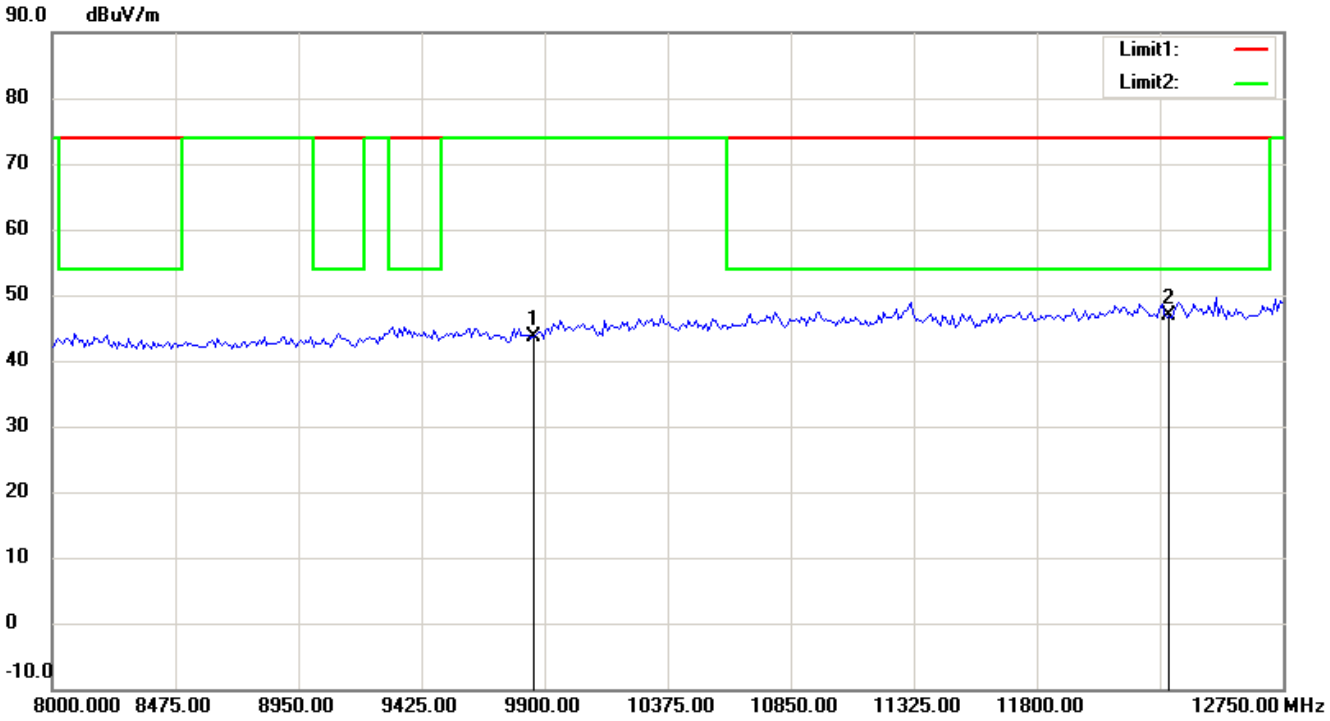
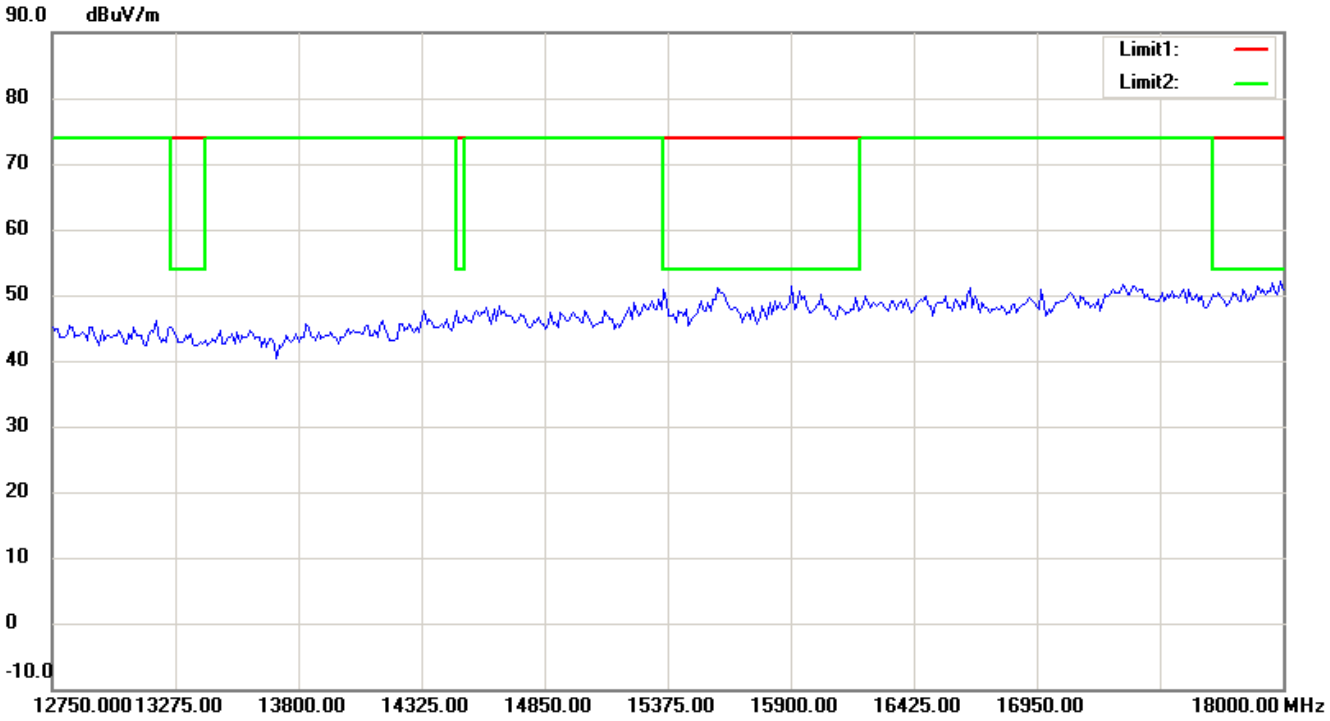
FCC ID: ODMWN370USB

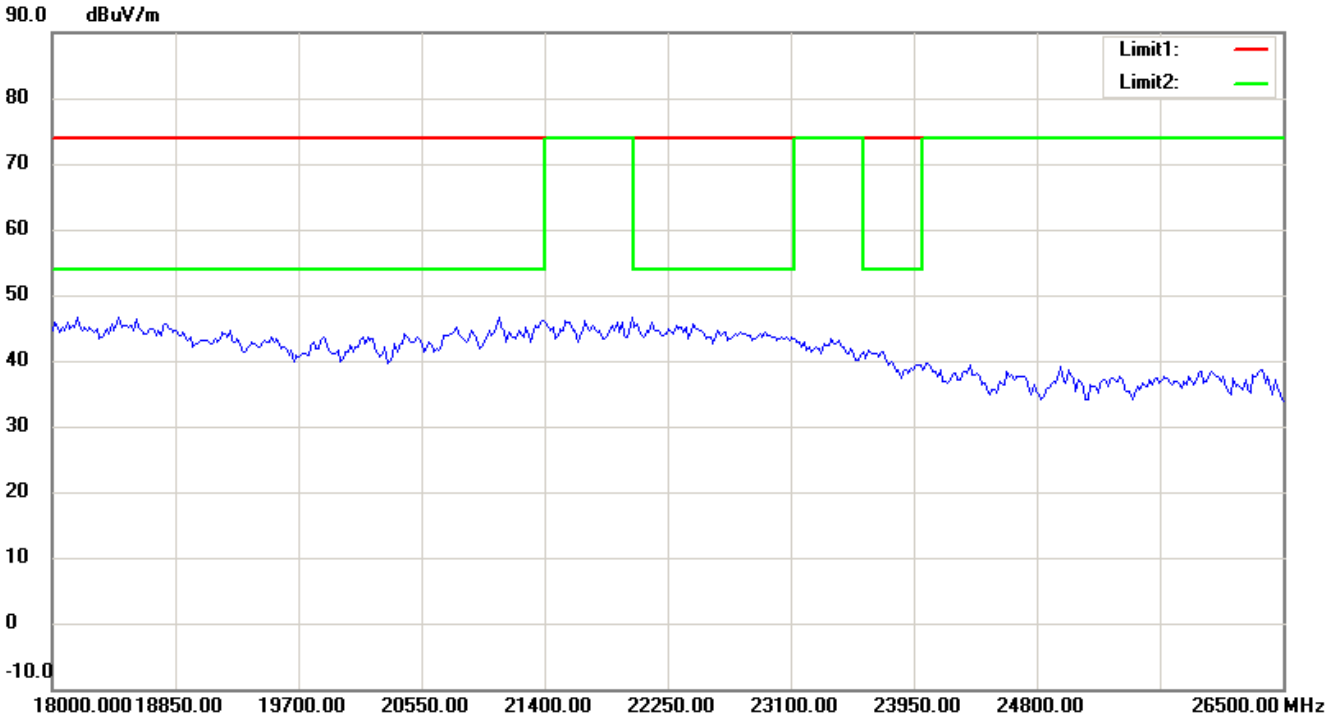




Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
1 The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2 The some frequencies may exceed the limit line without the specified detectors, but 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: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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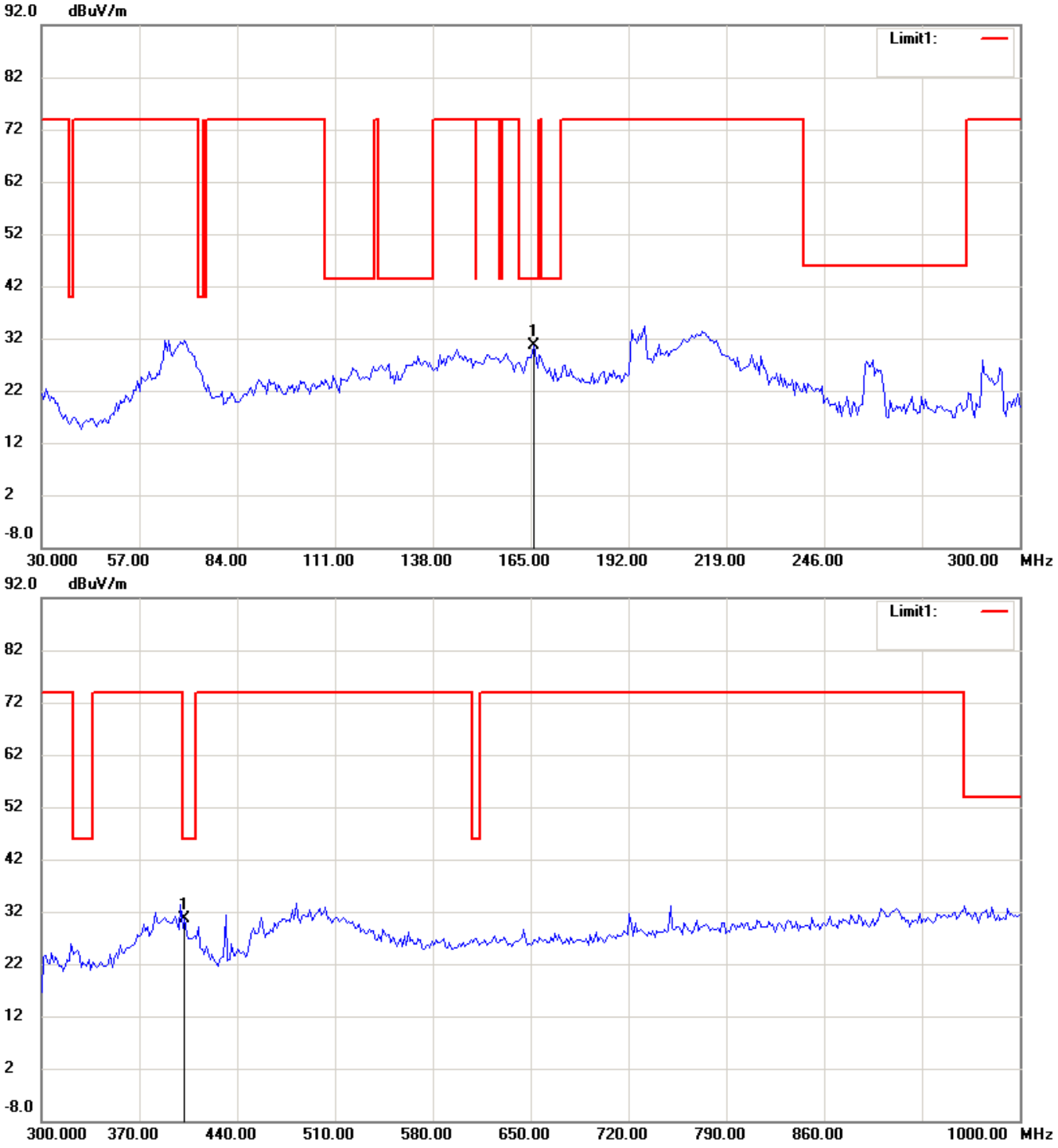
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V



Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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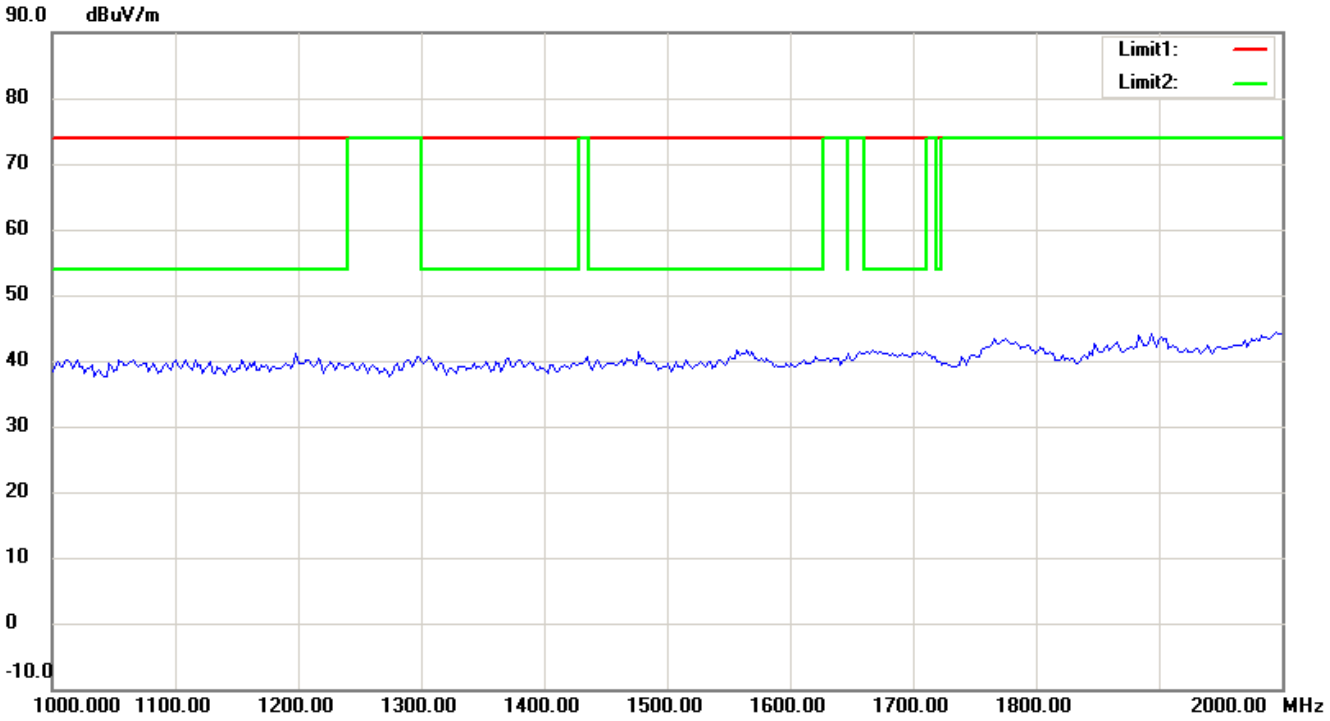
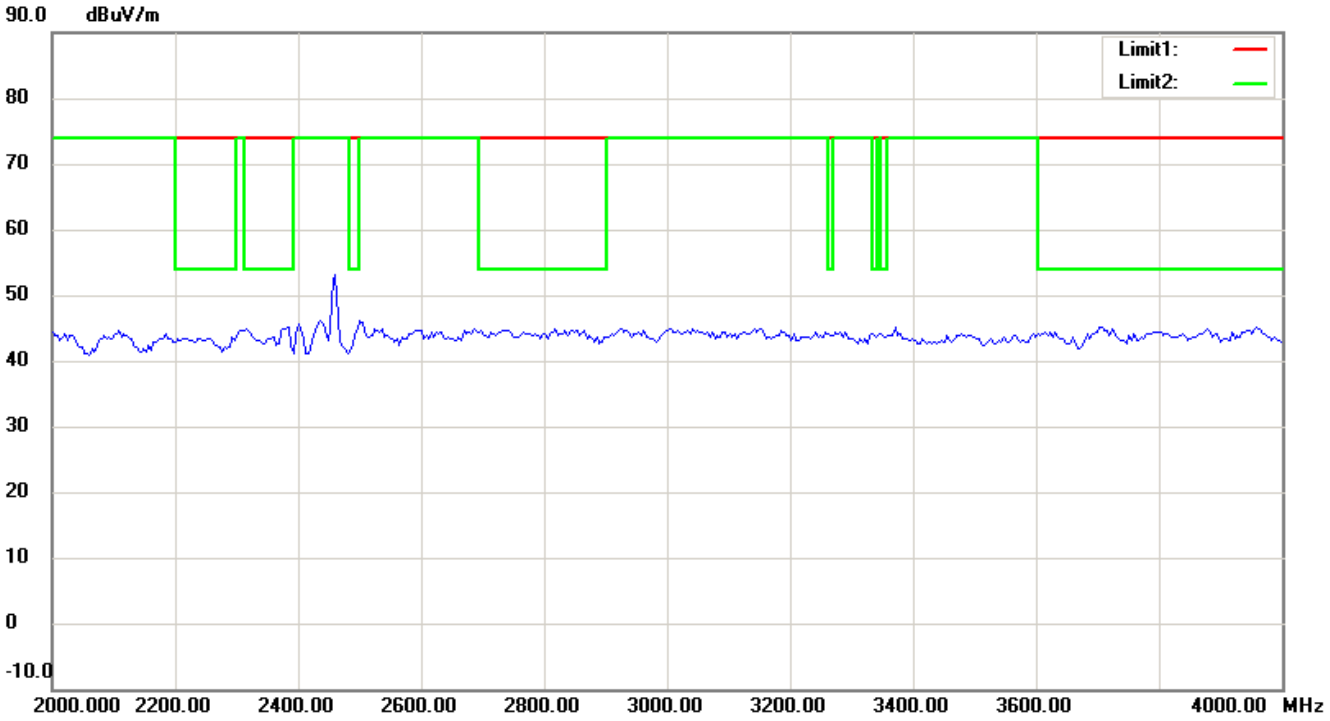
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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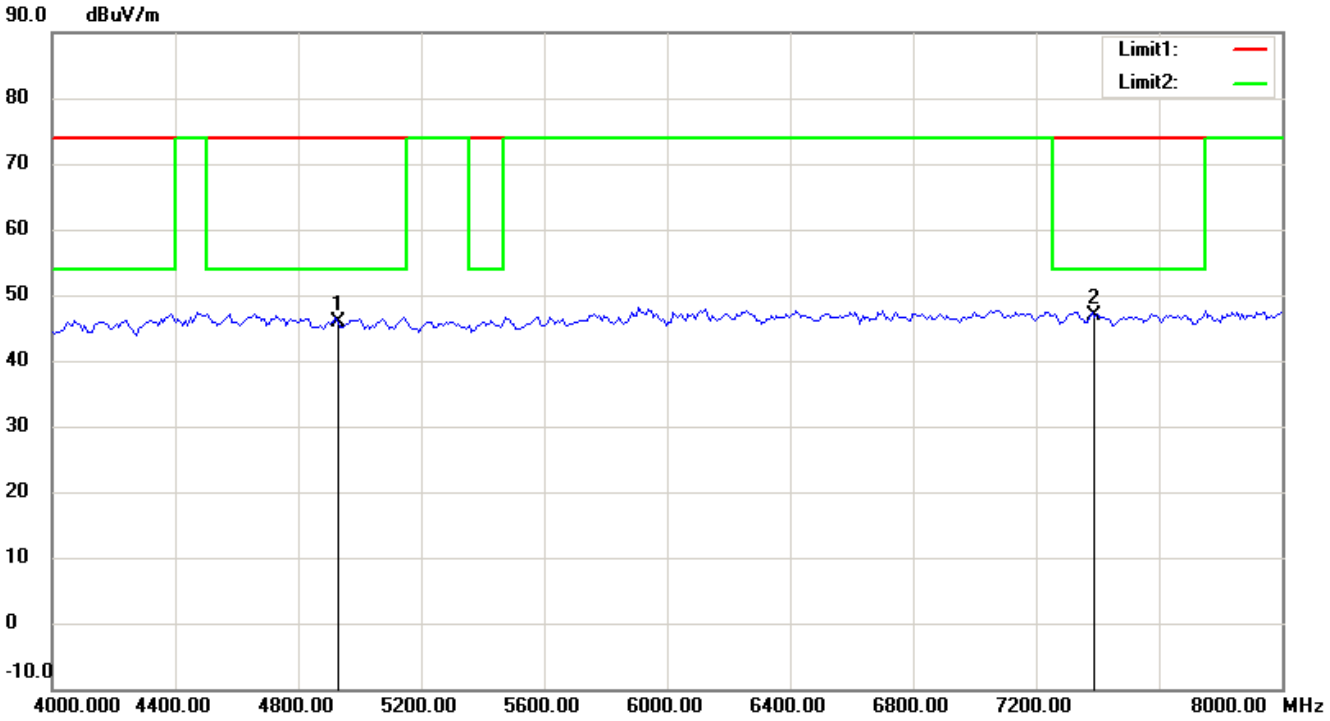
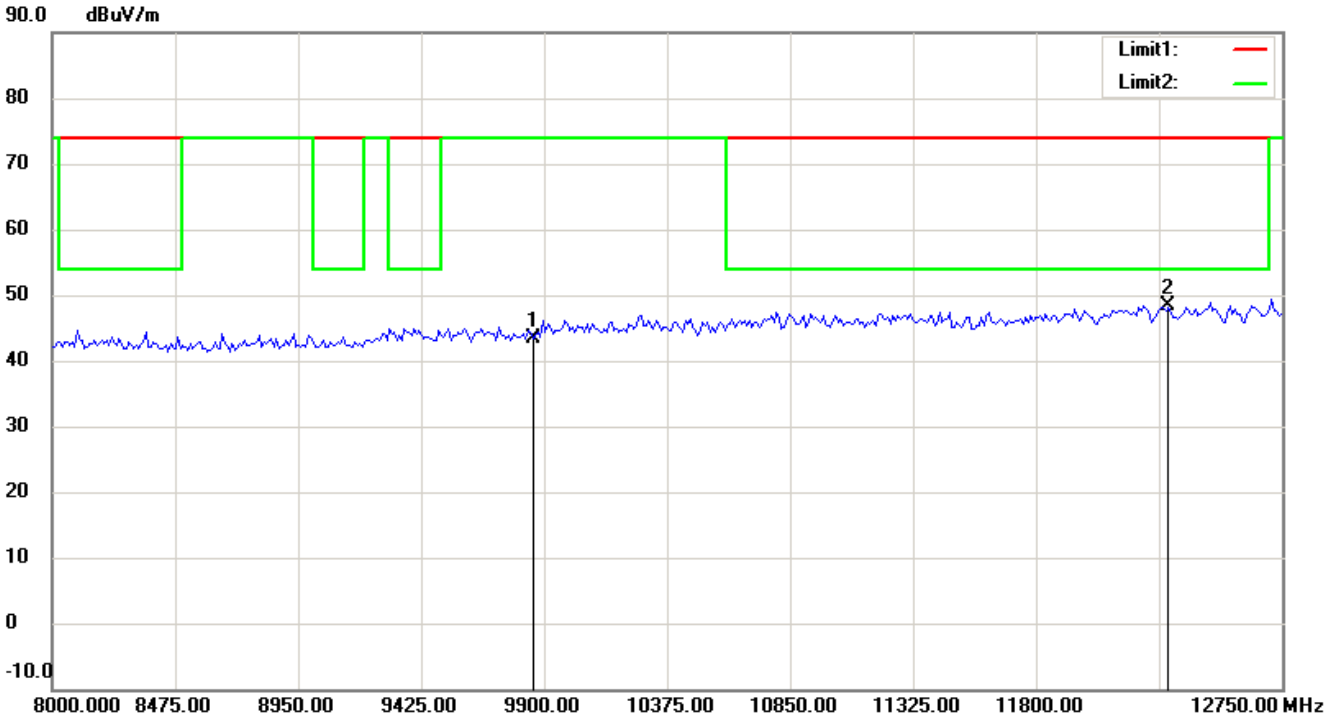
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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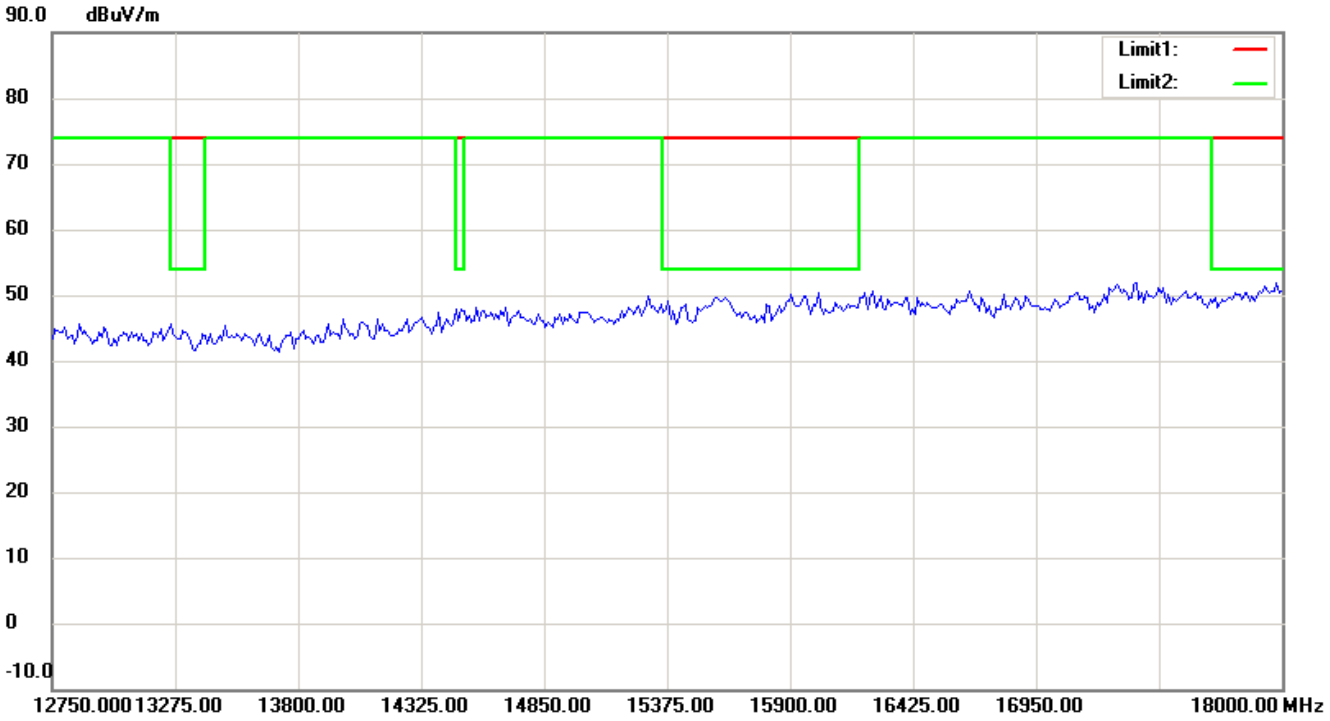
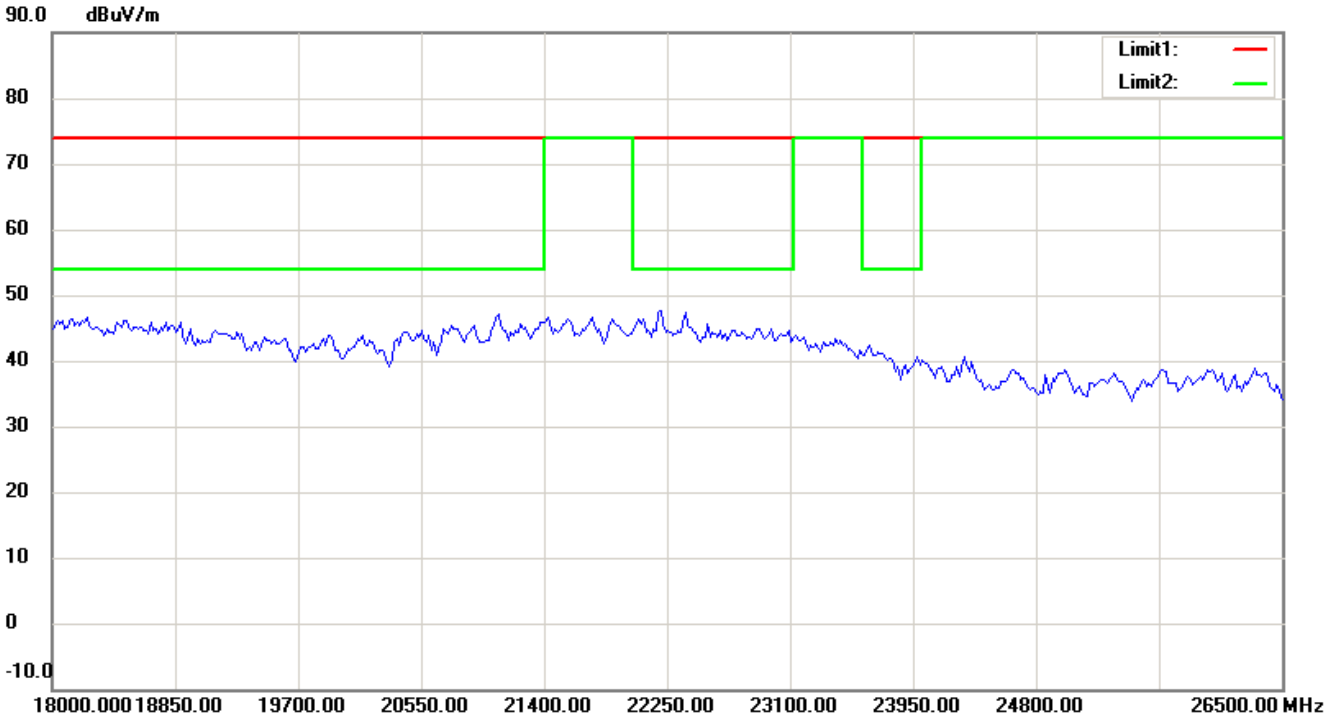
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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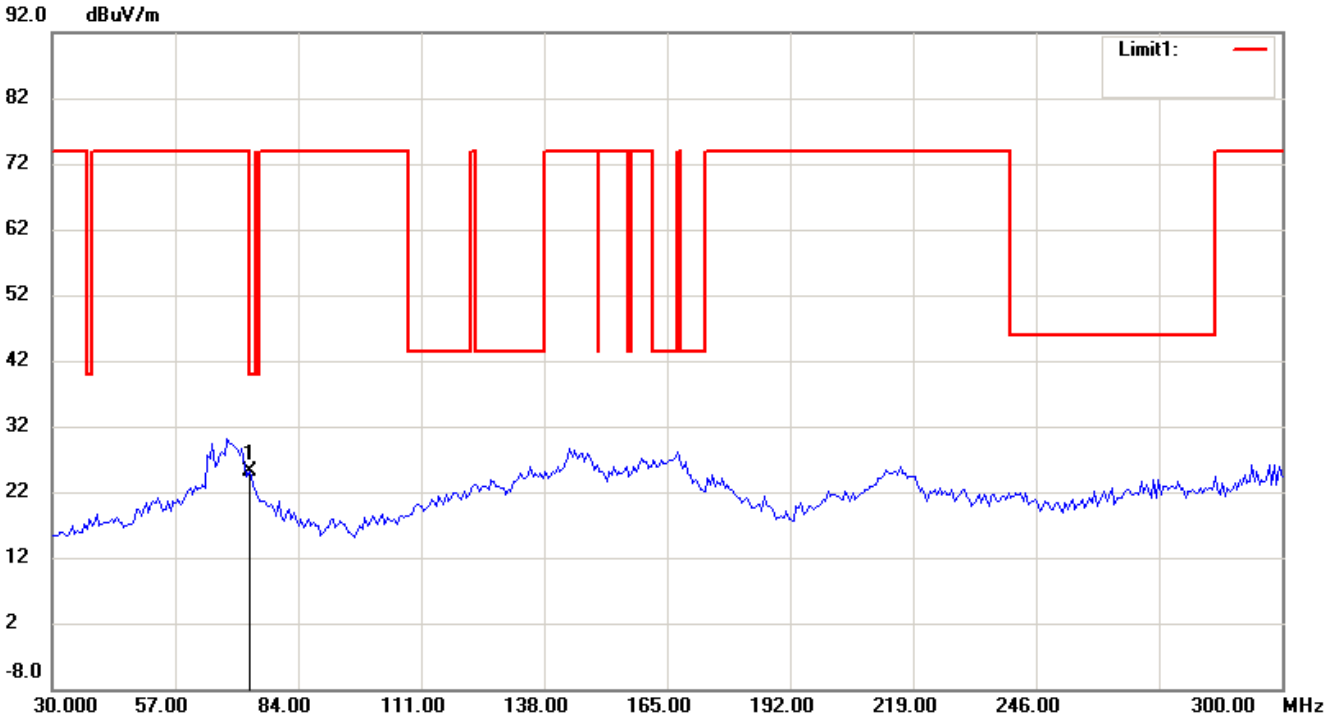
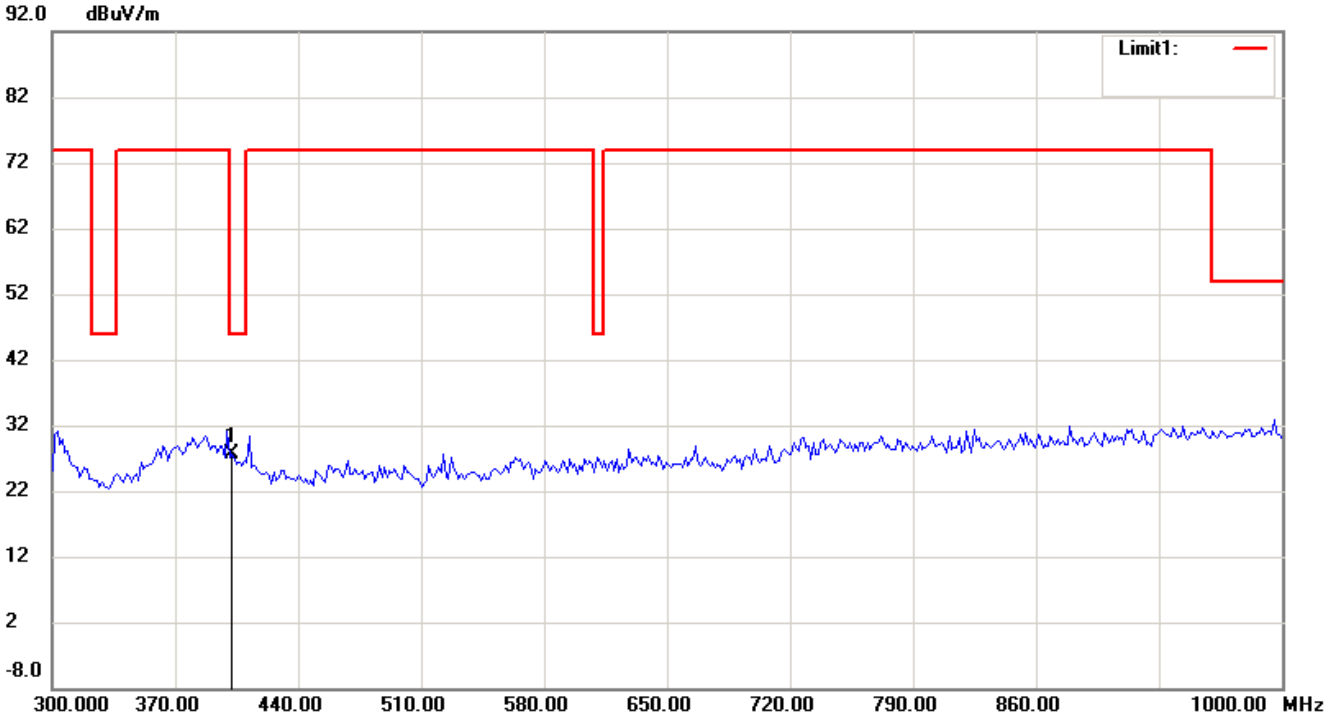
802.11g
Channel 1
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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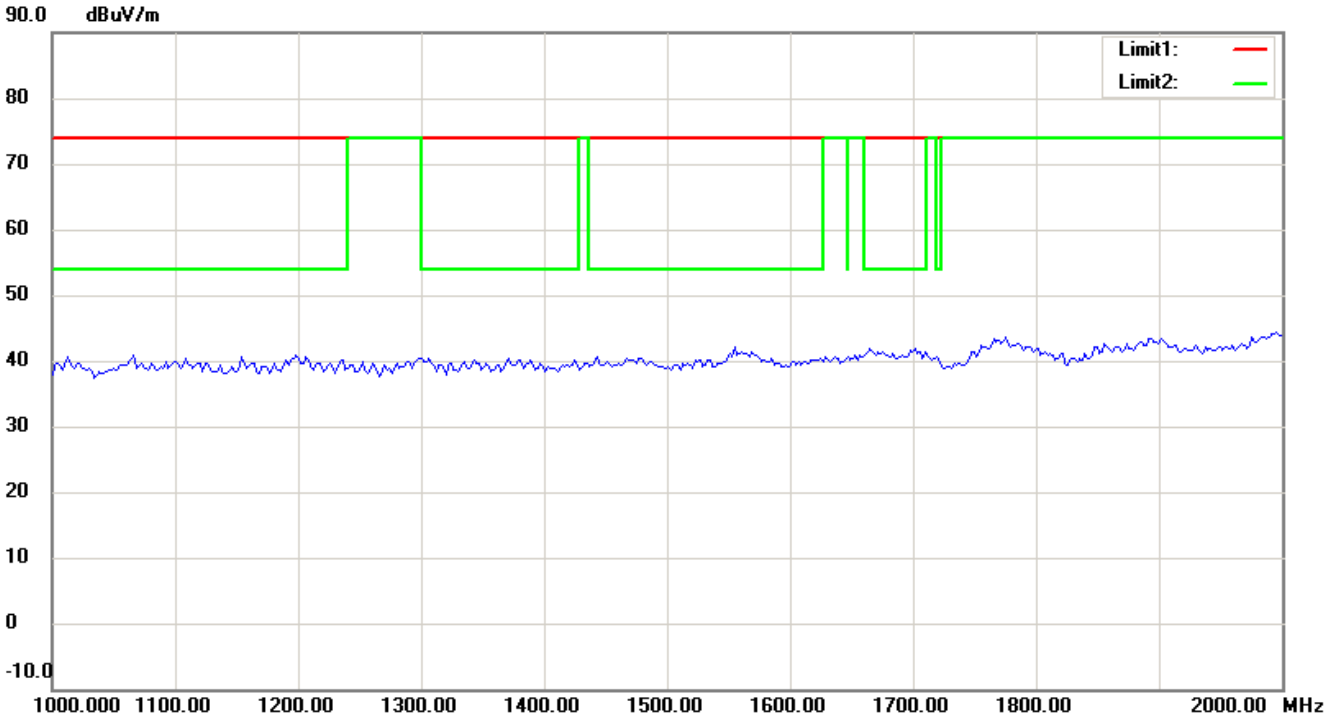
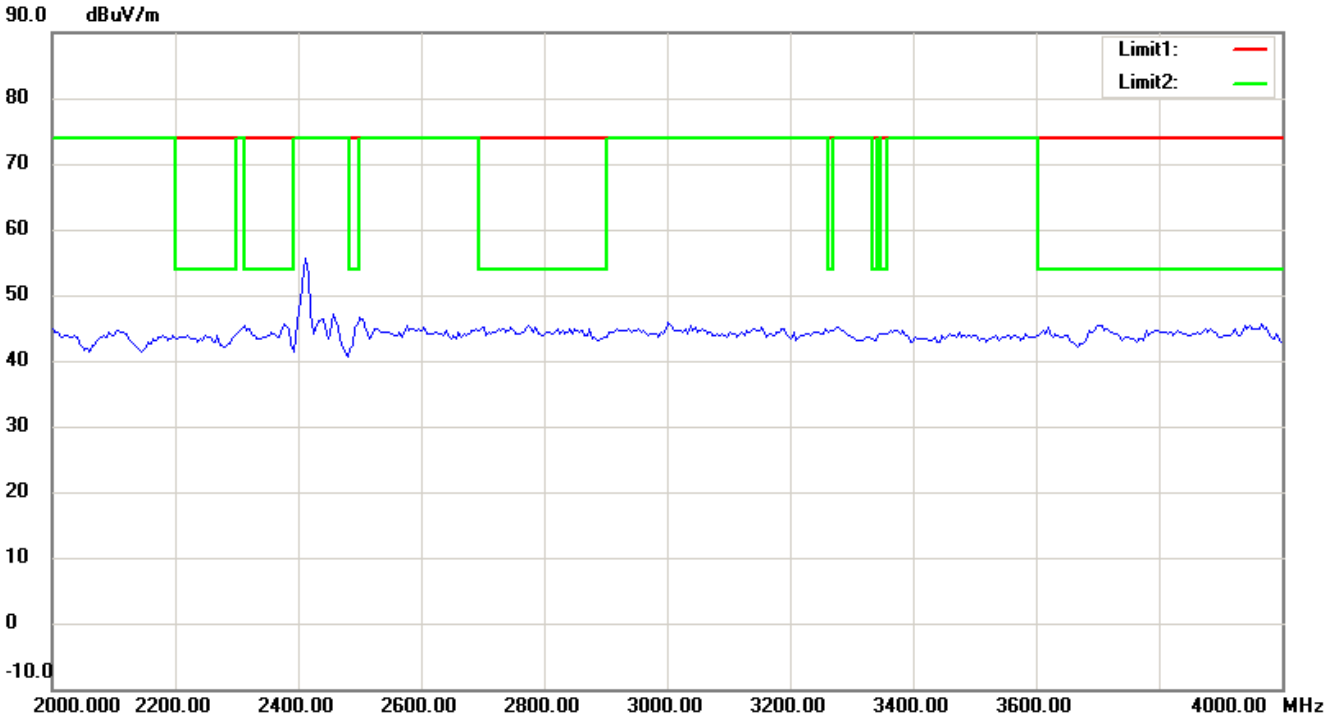
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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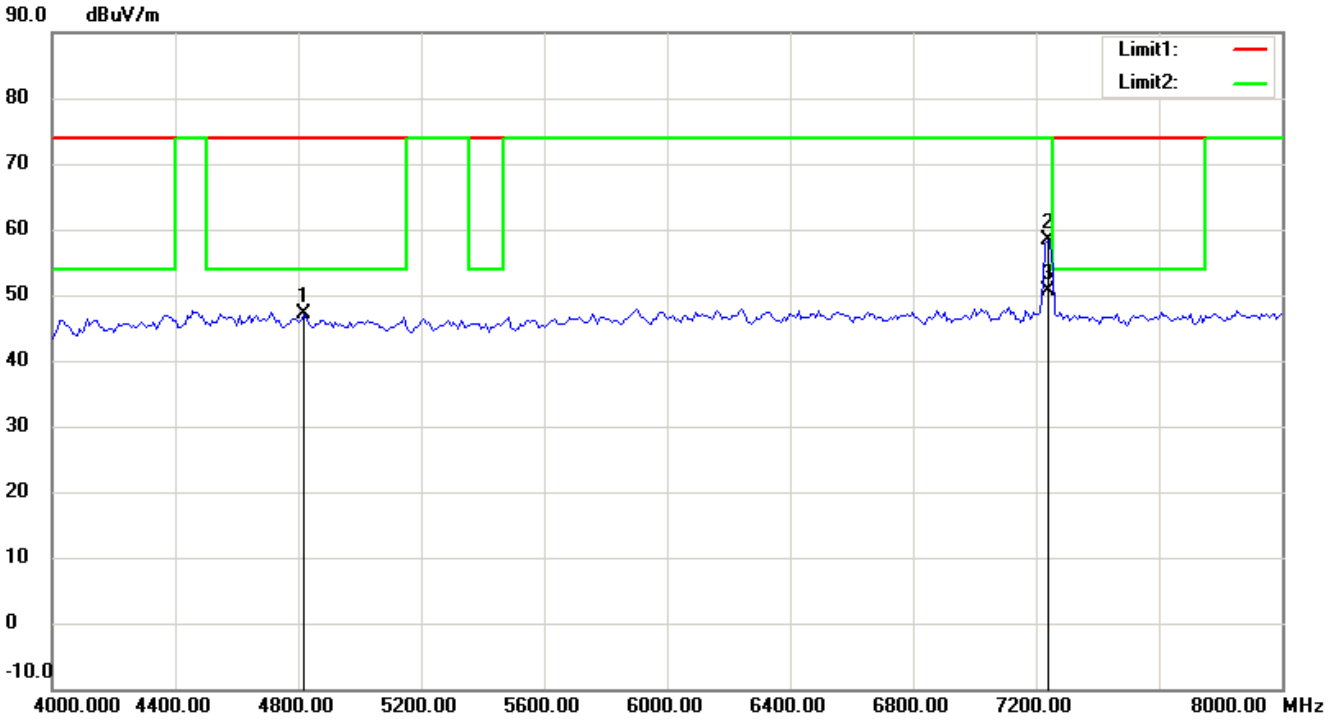
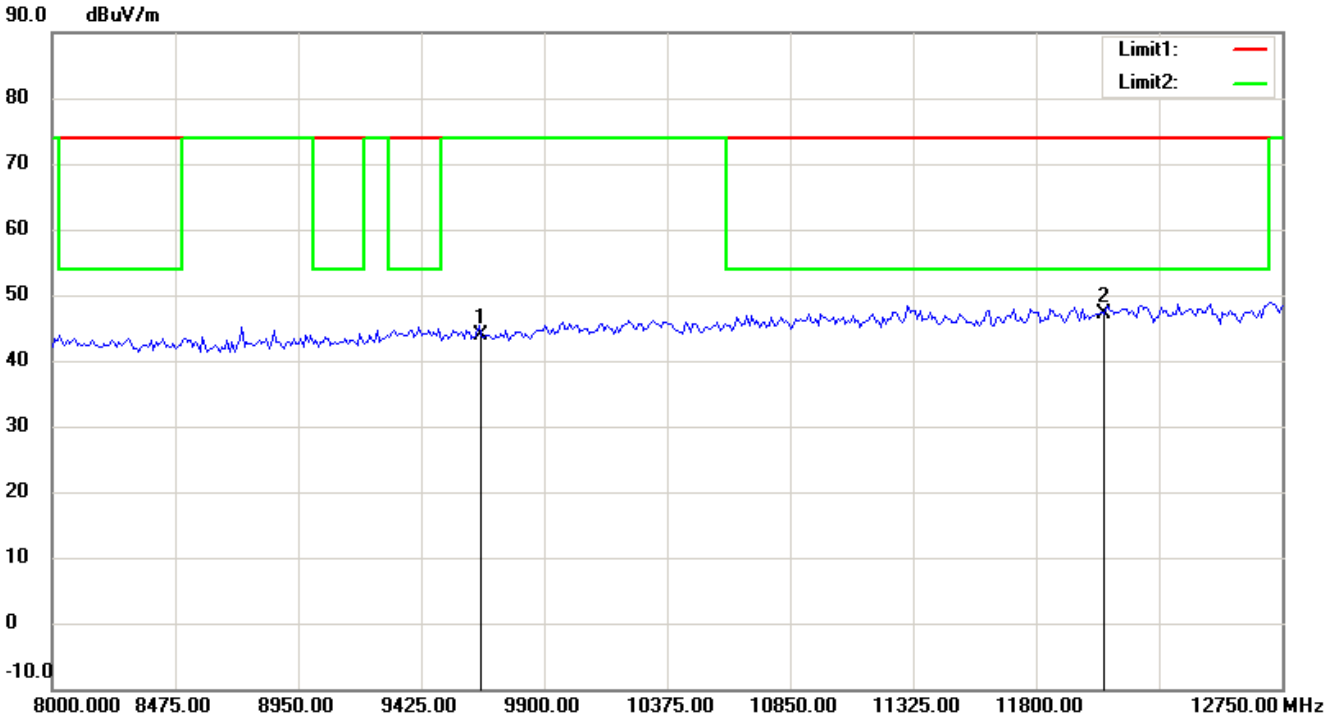
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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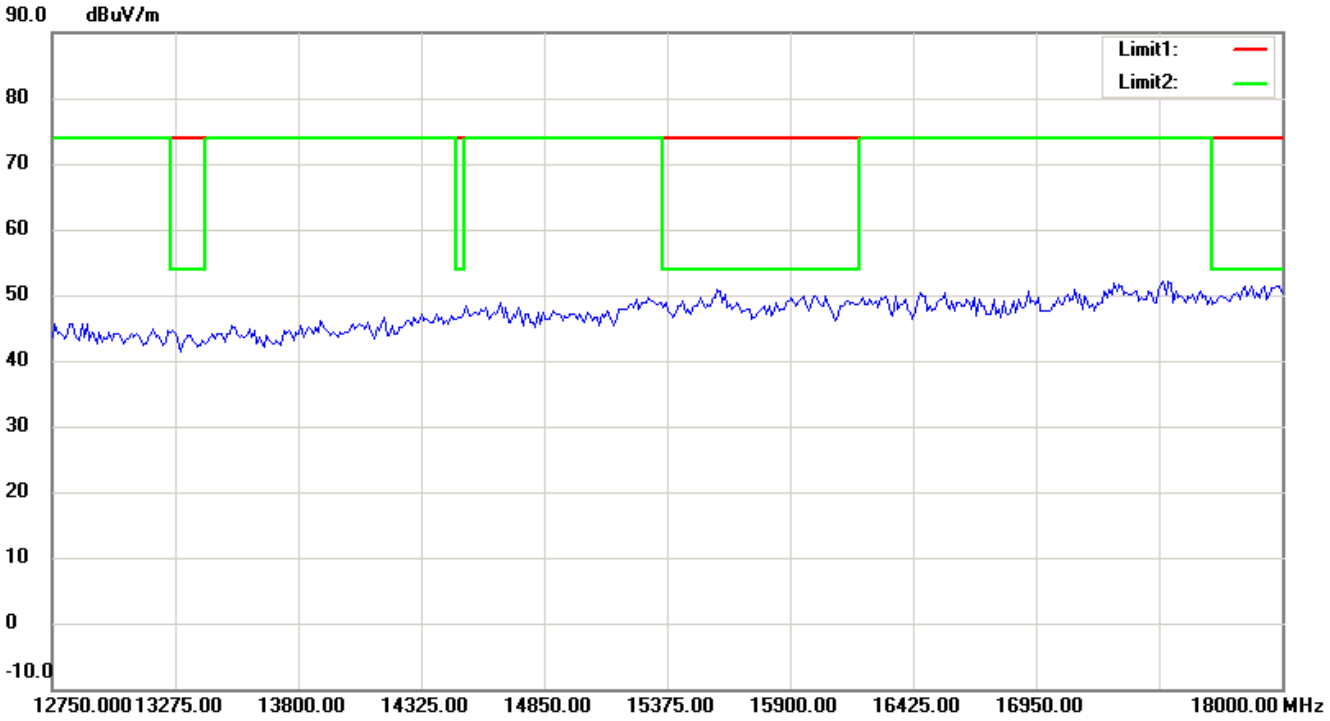
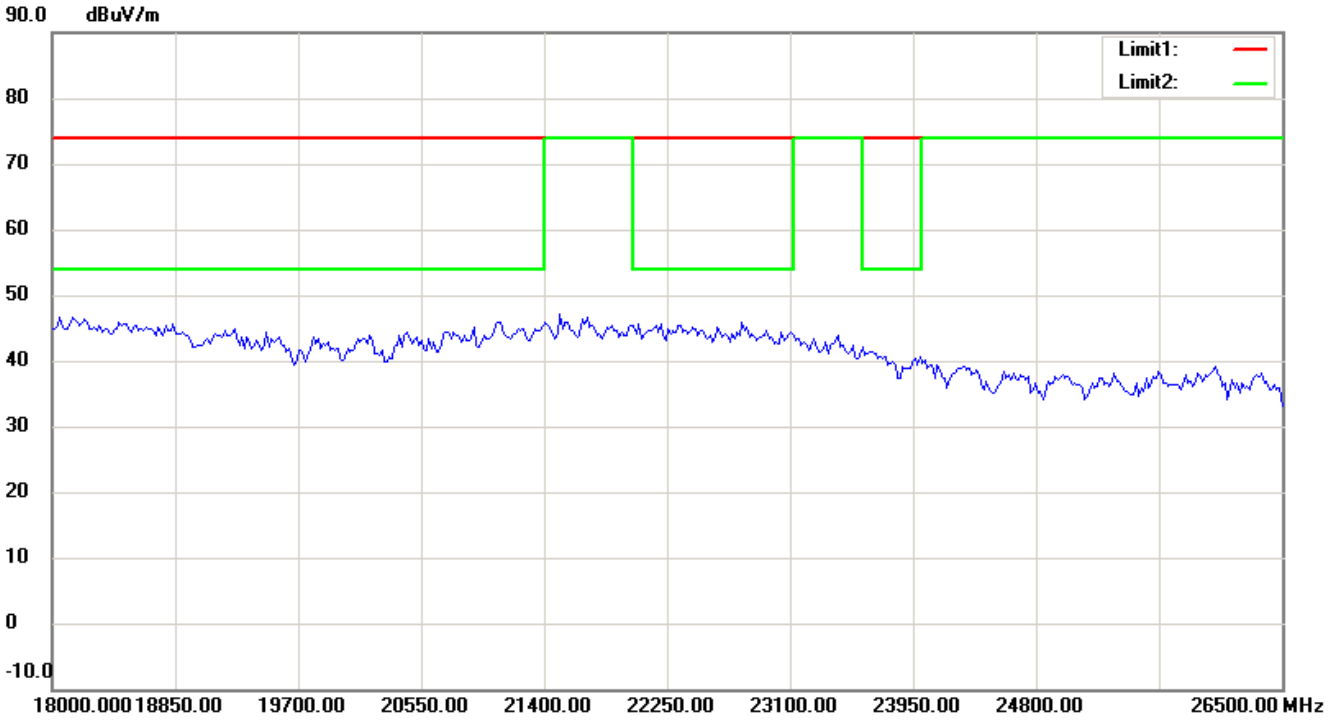
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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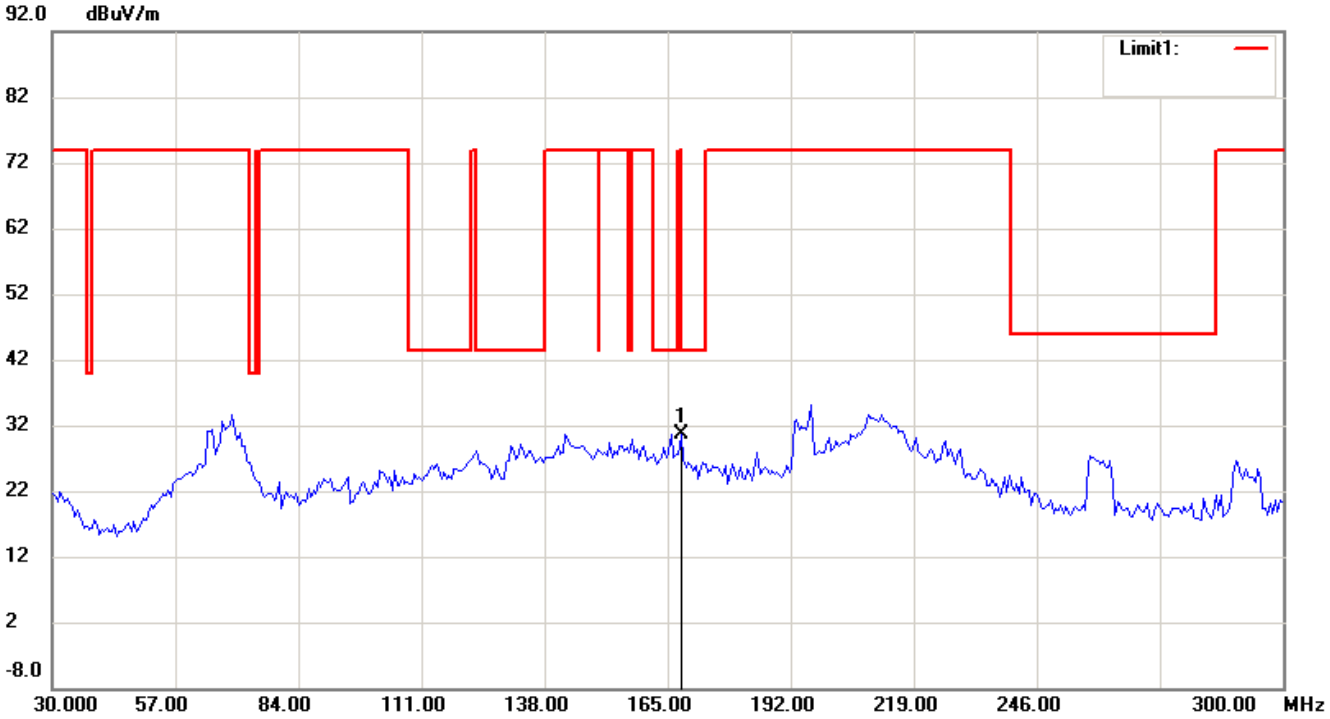
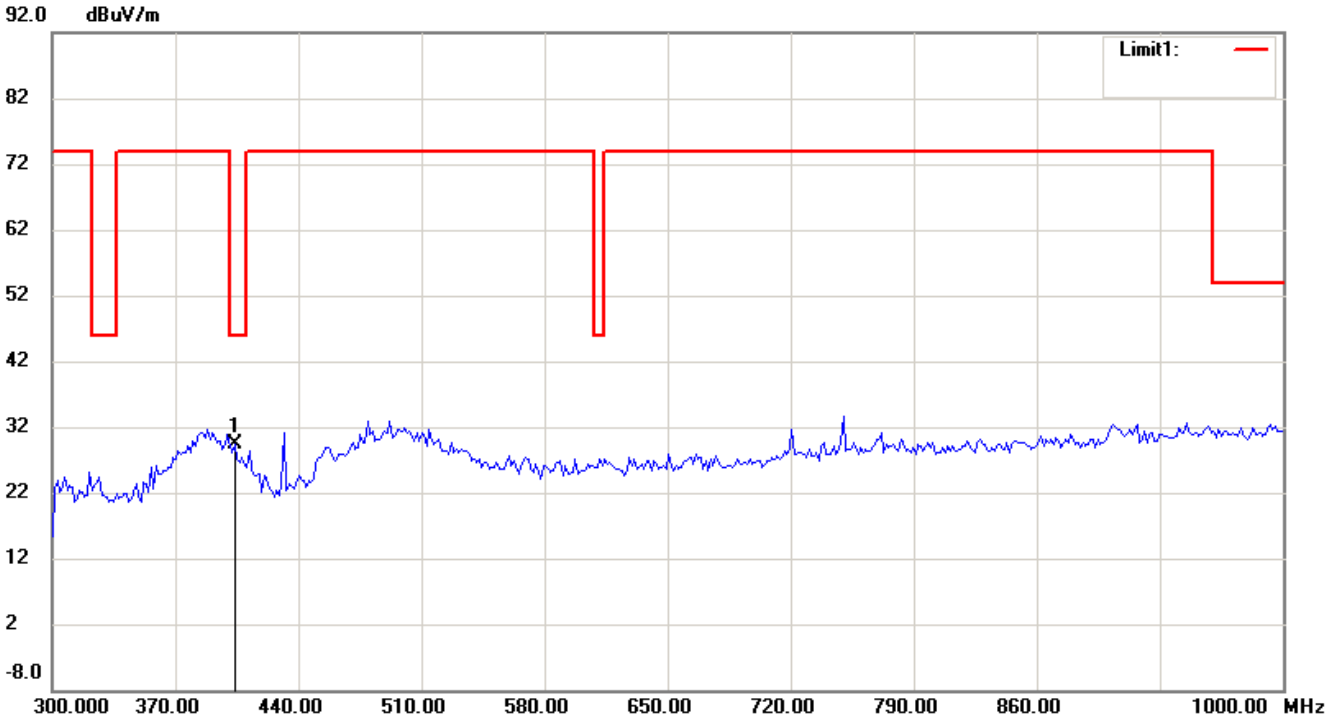
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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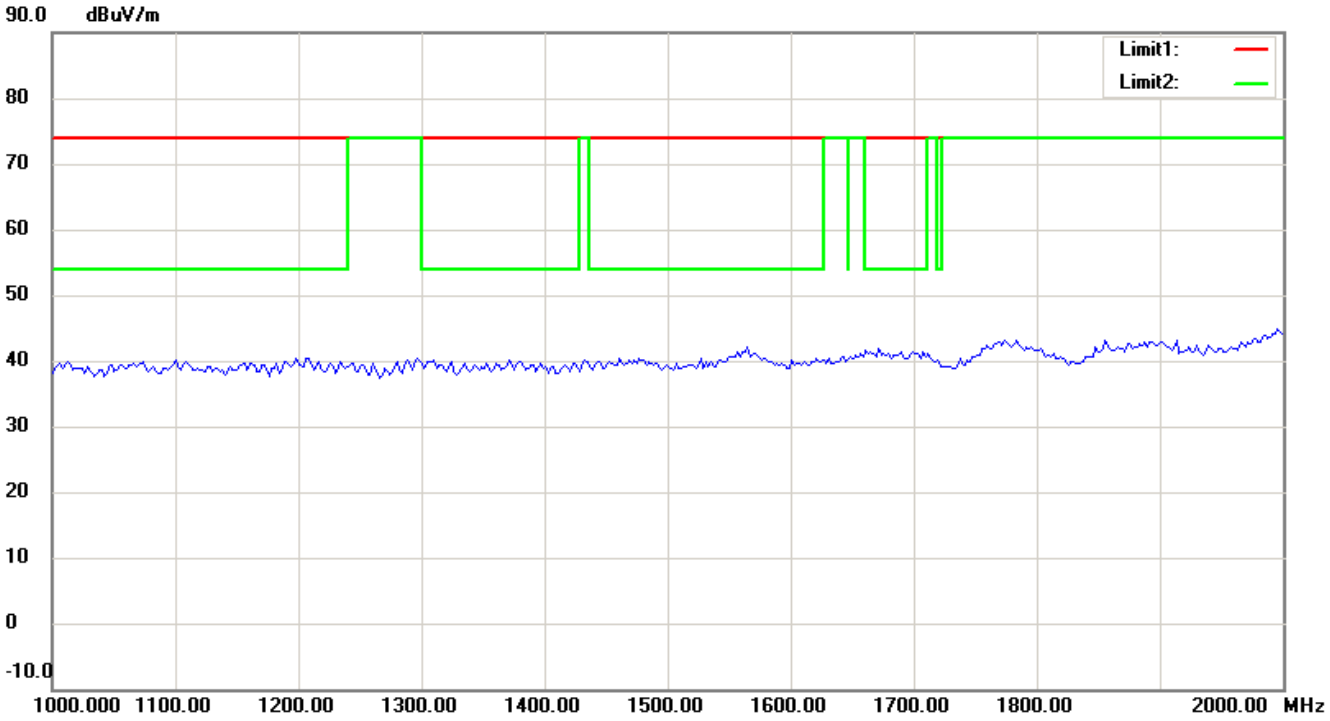
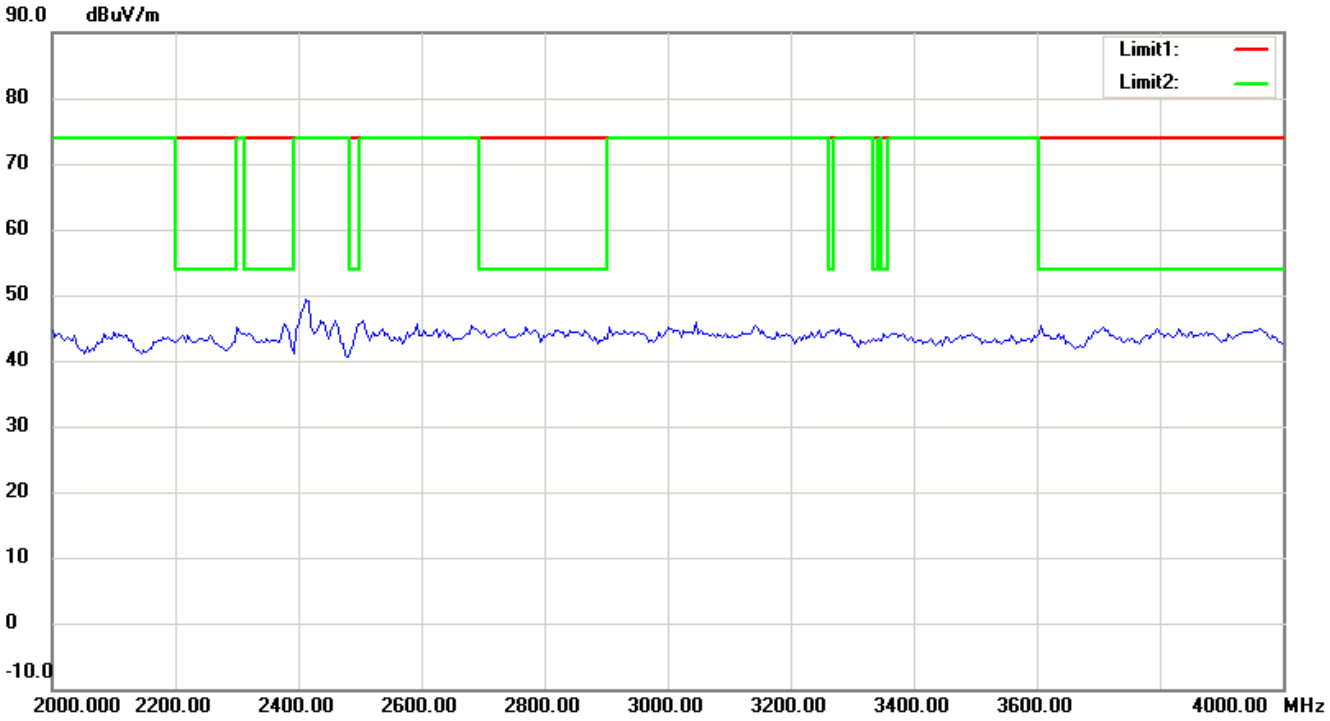
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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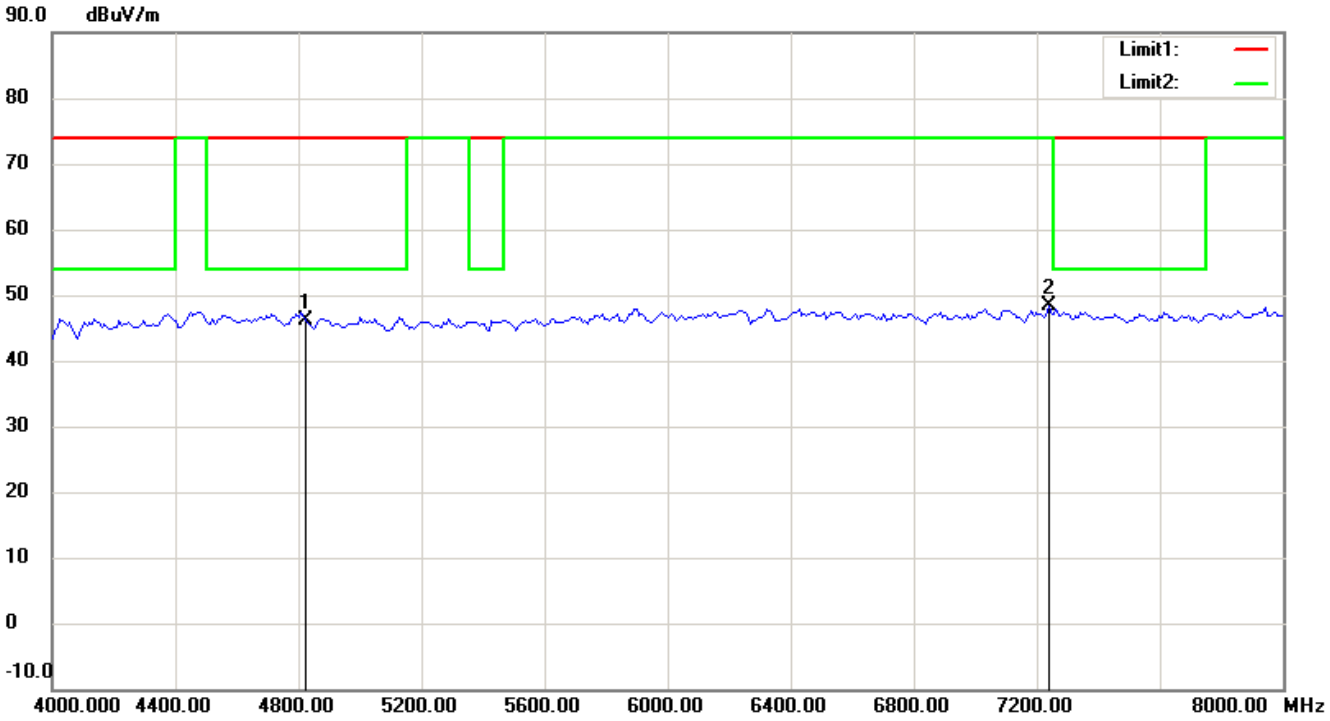
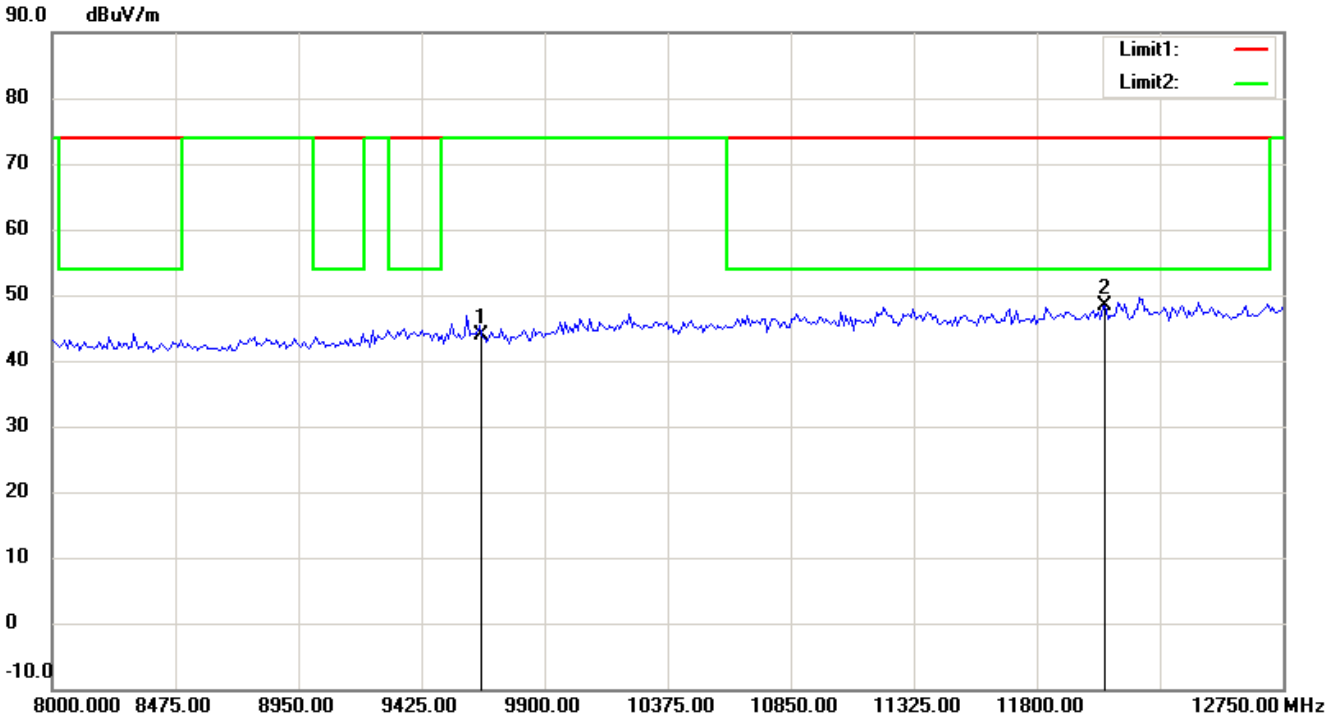
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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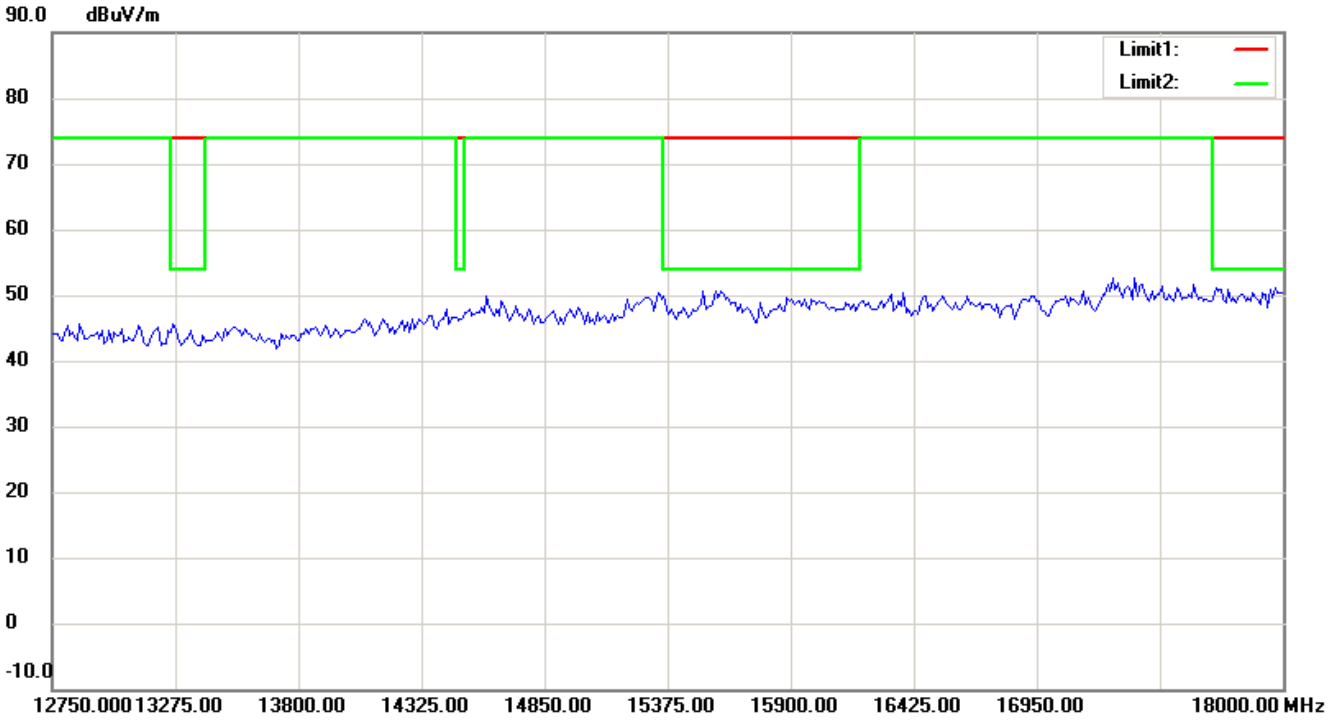
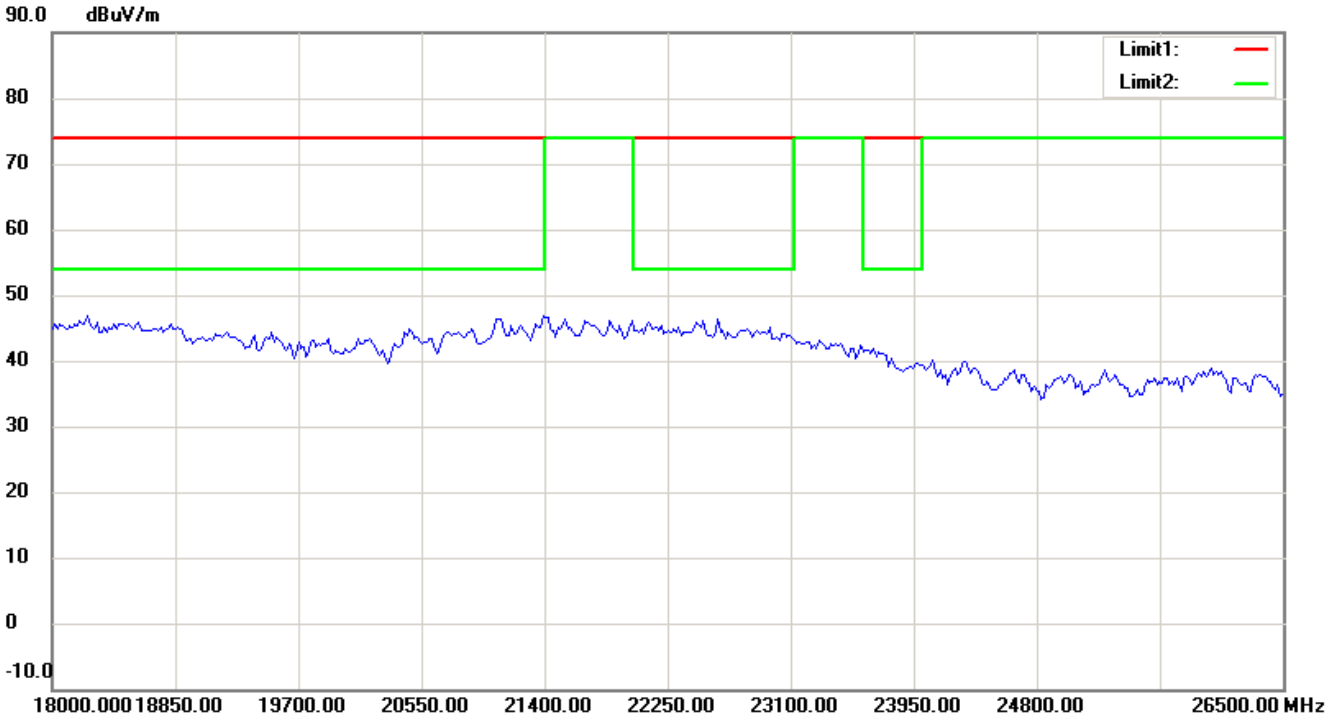
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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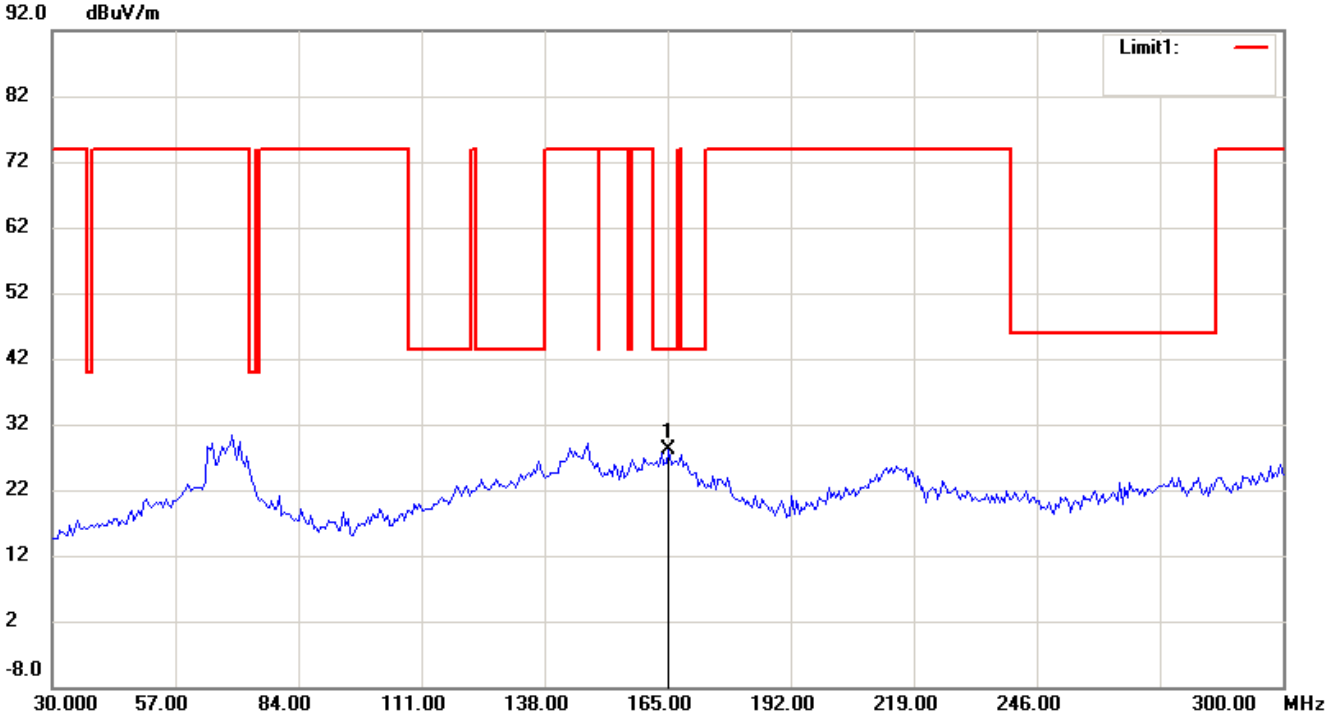
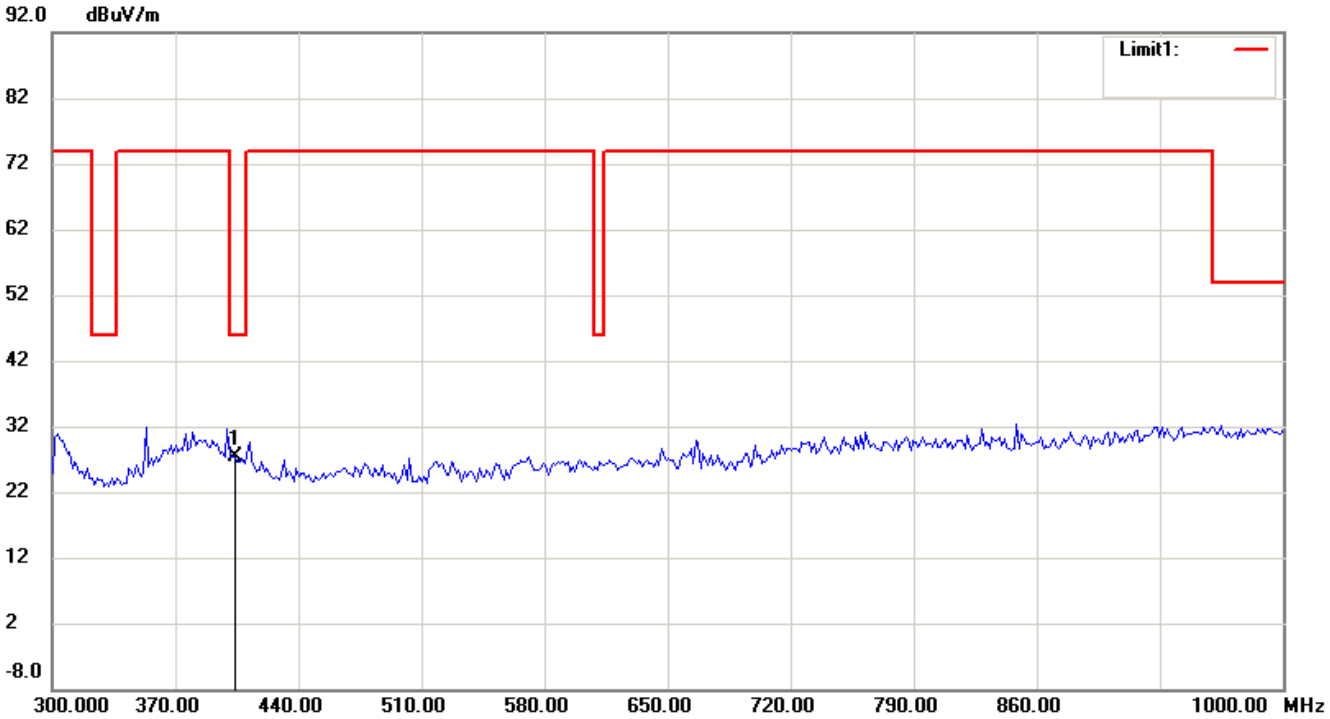
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Channel 6
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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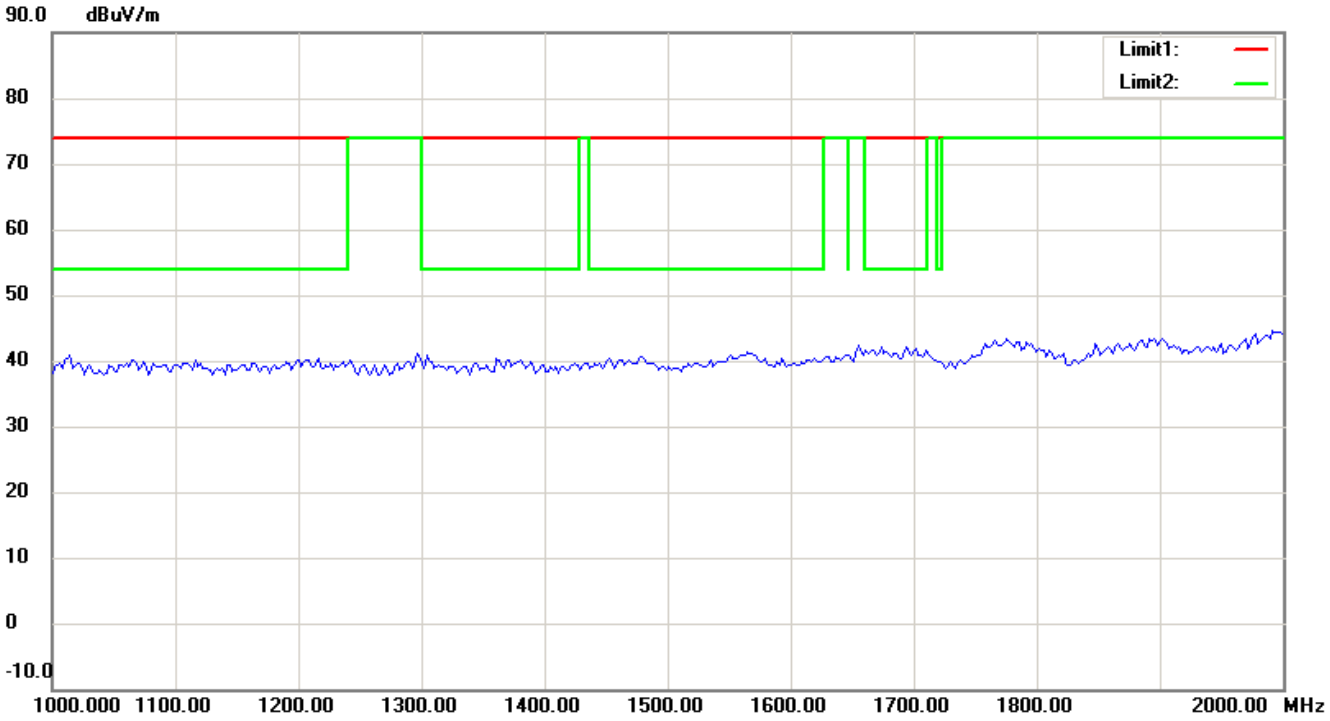
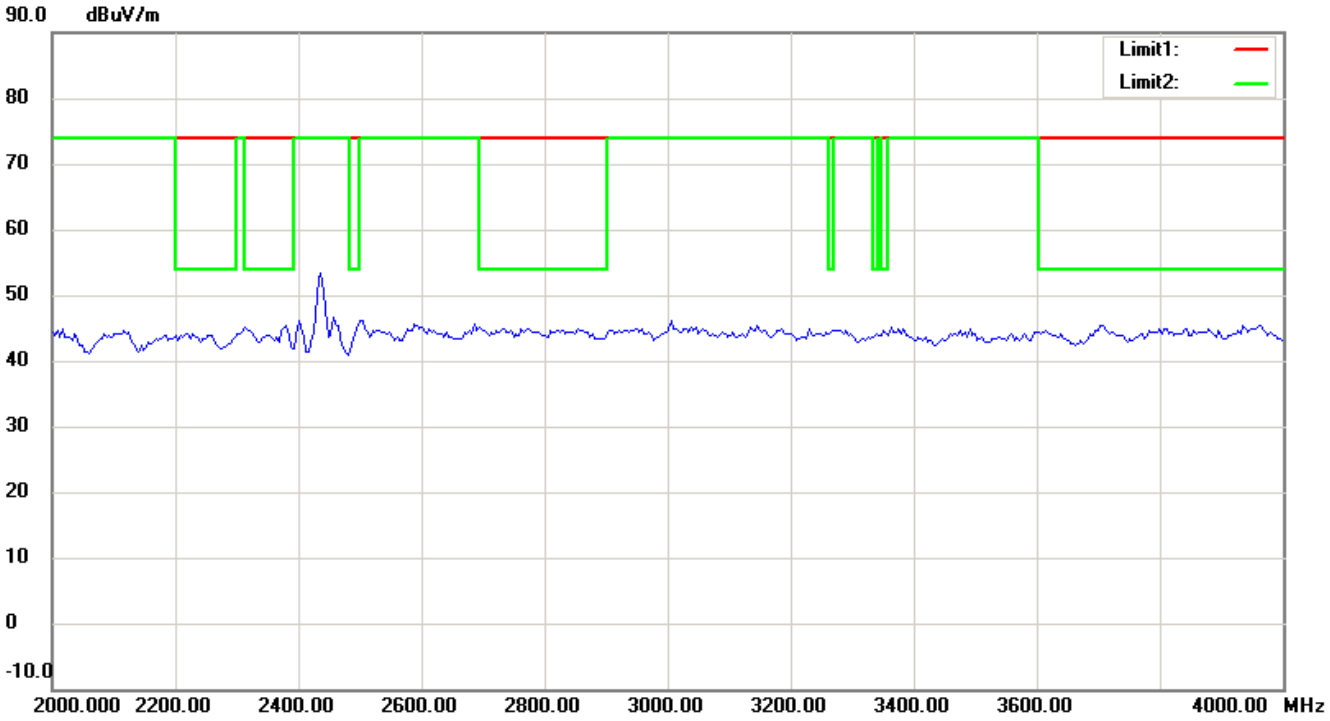
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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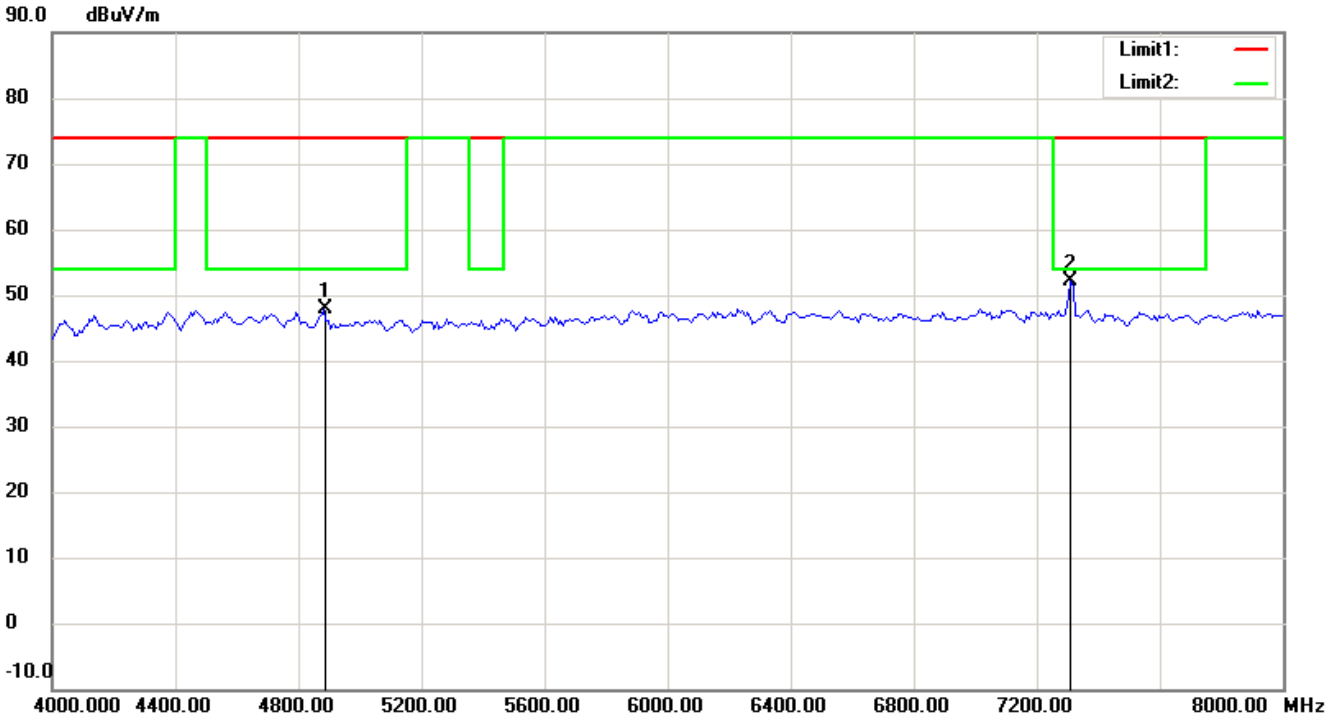
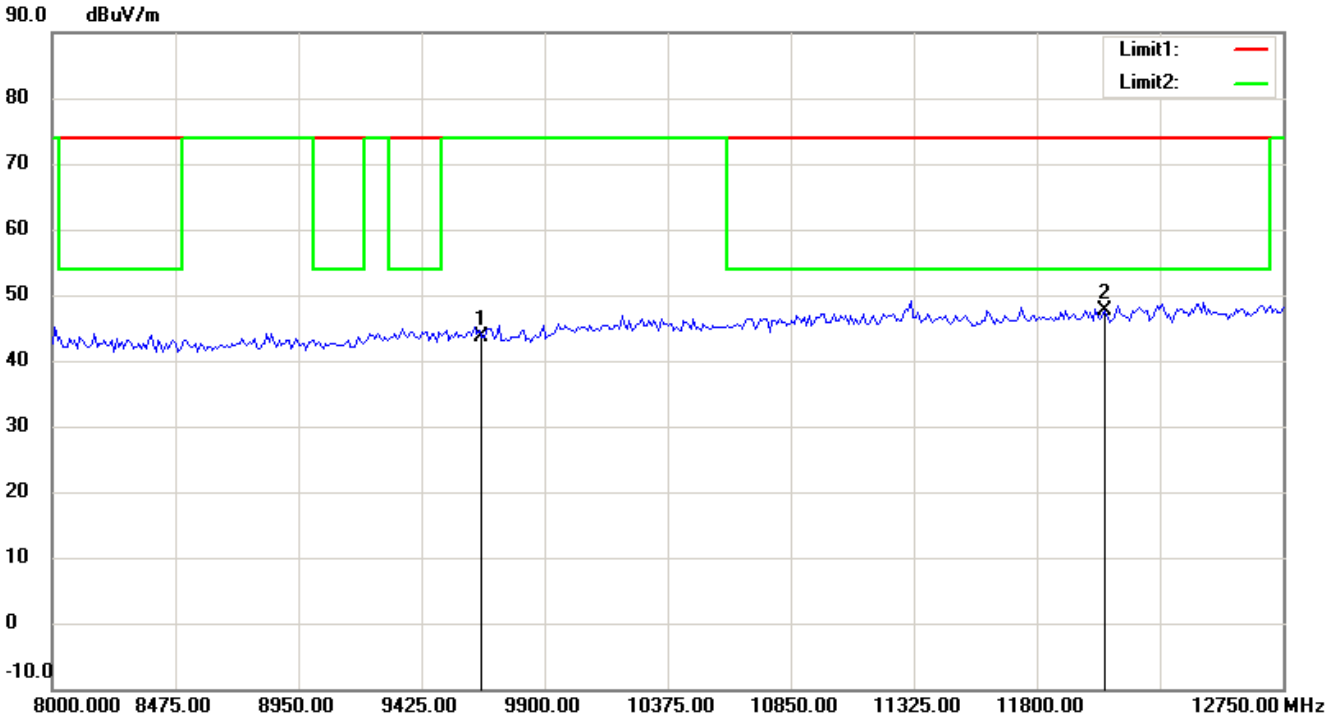
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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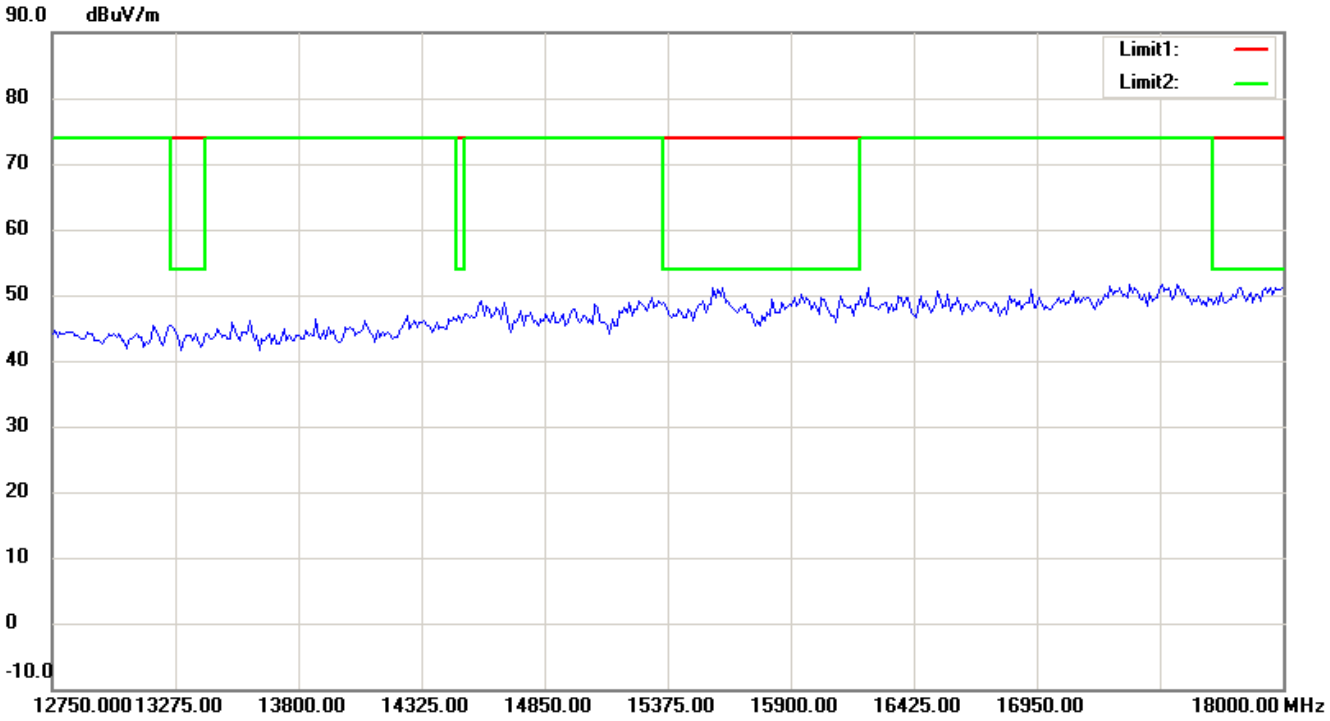
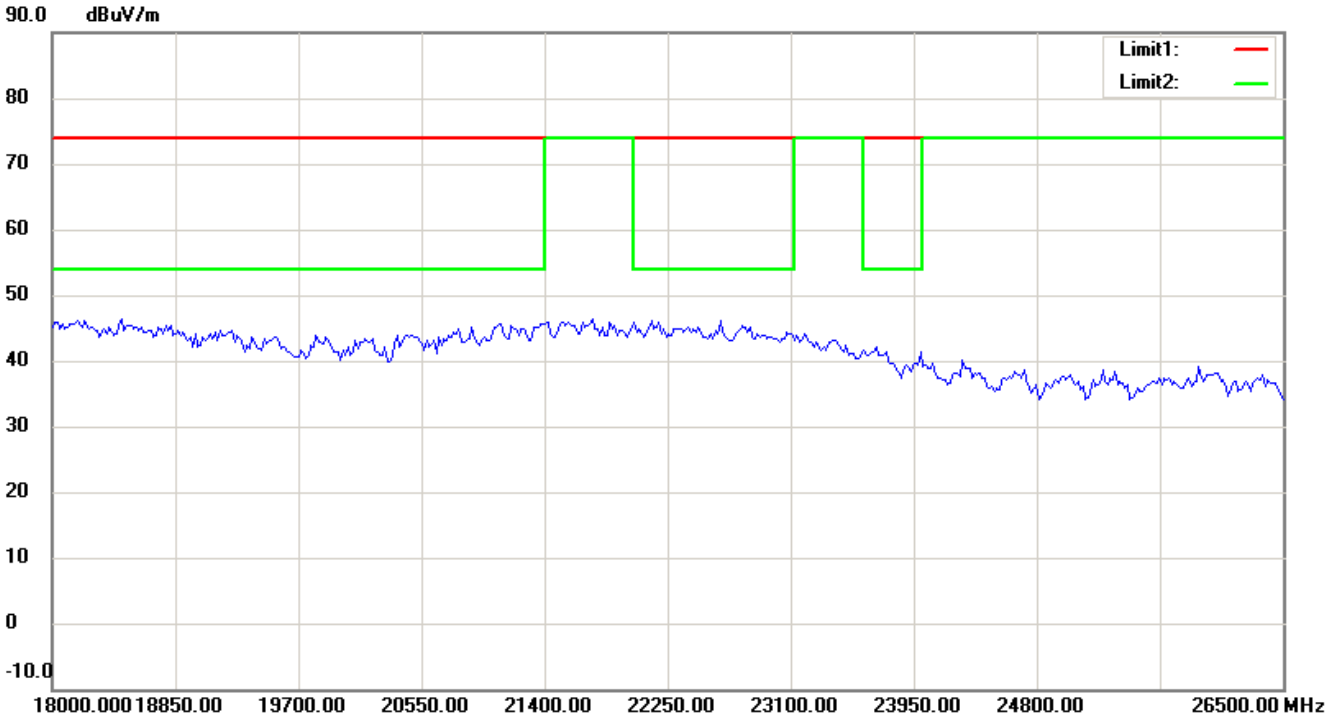
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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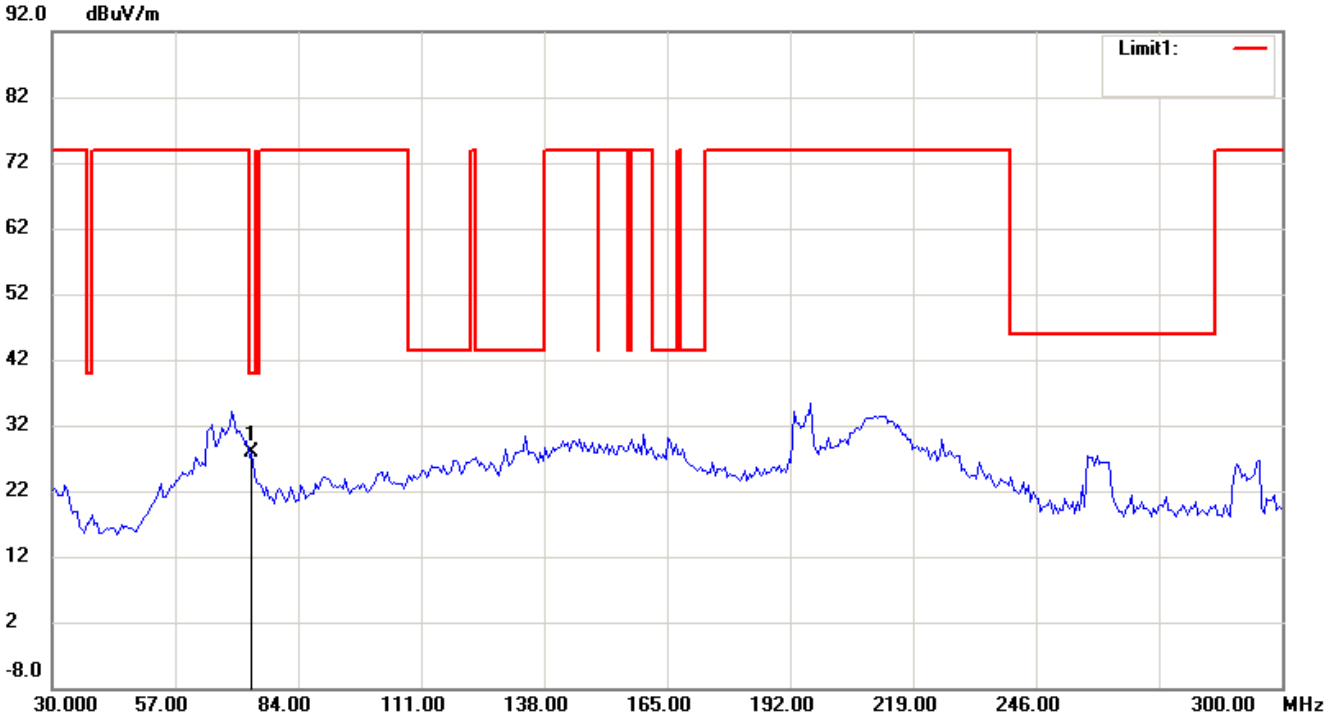
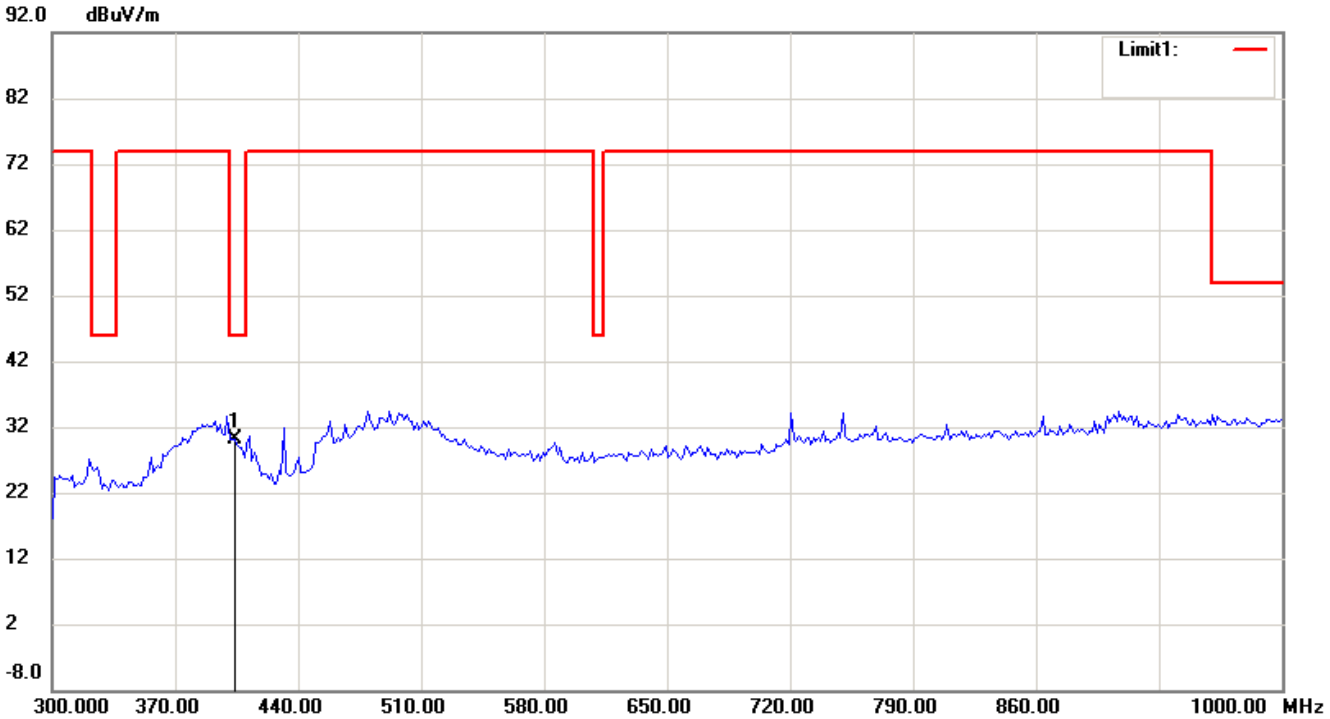
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
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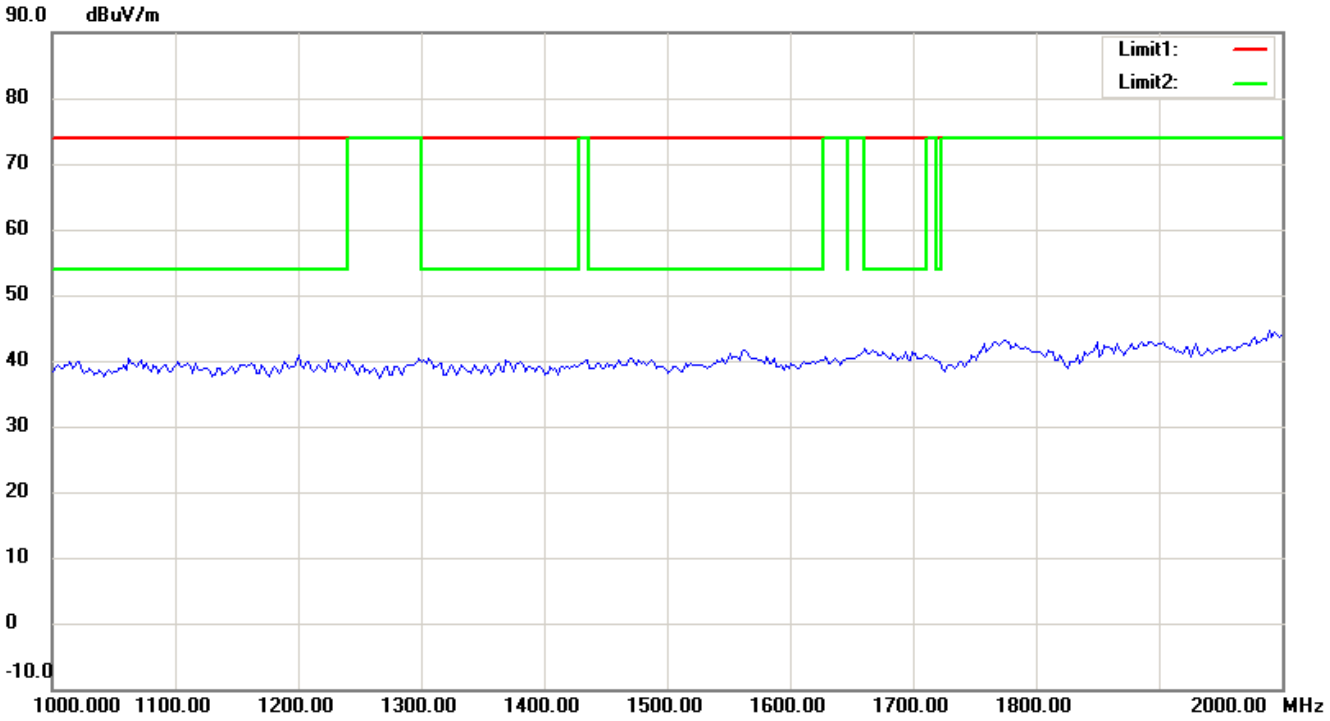
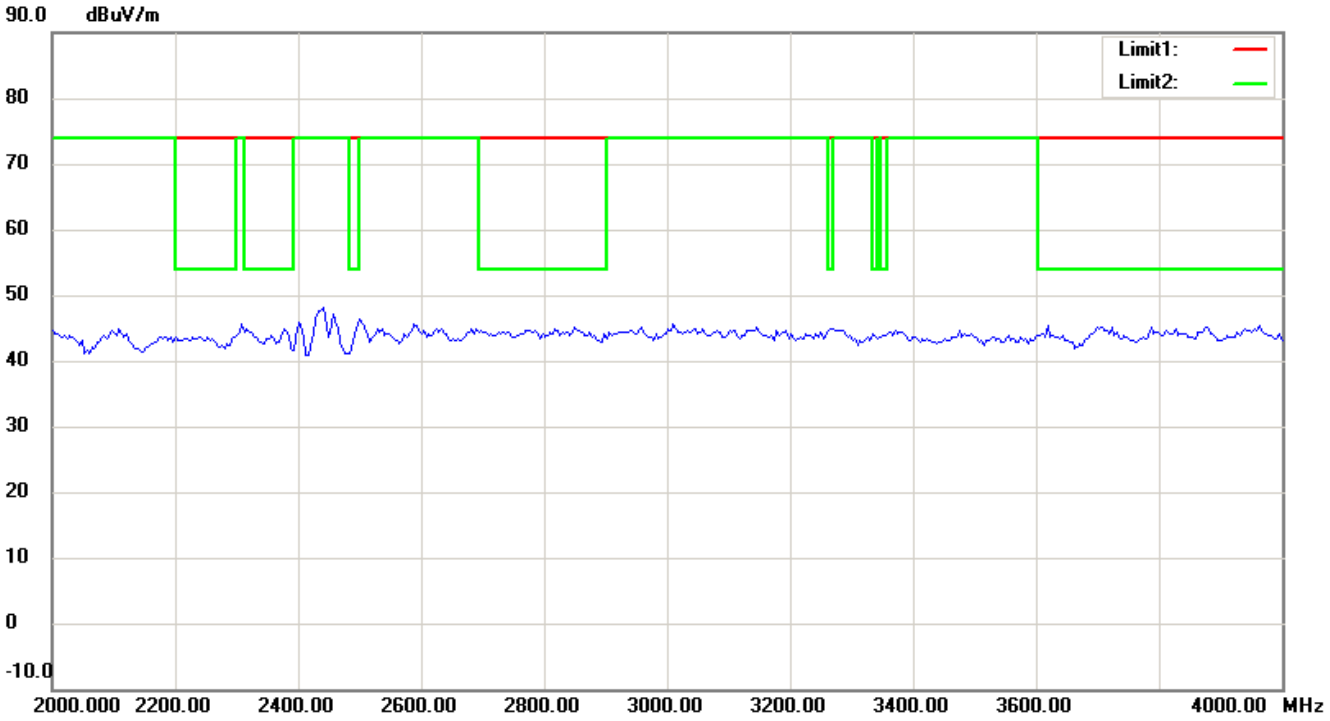
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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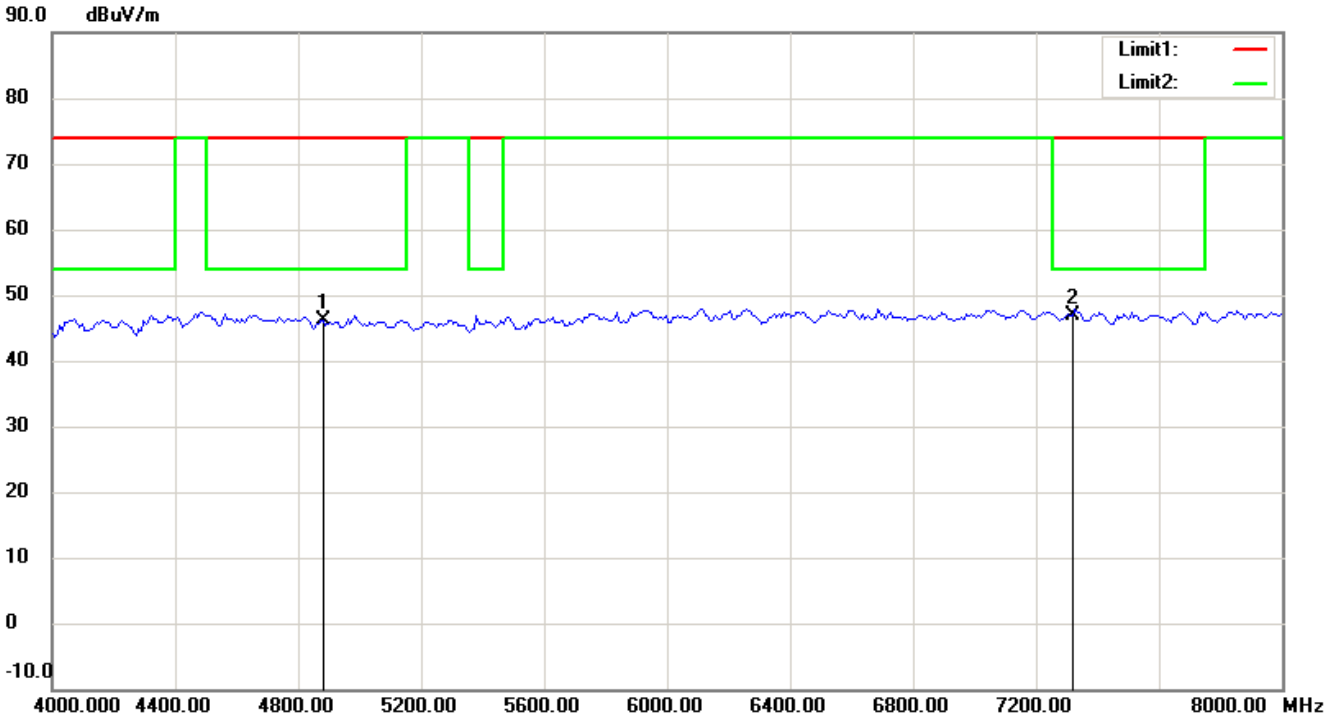
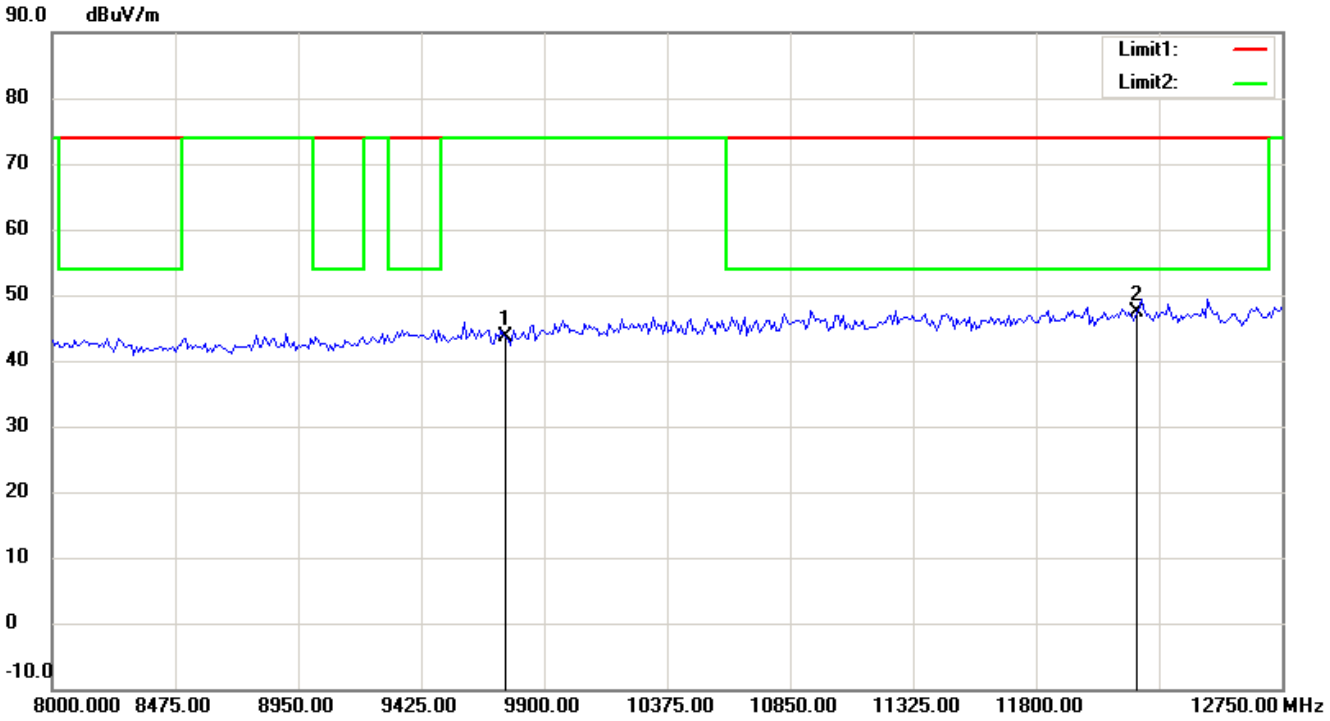
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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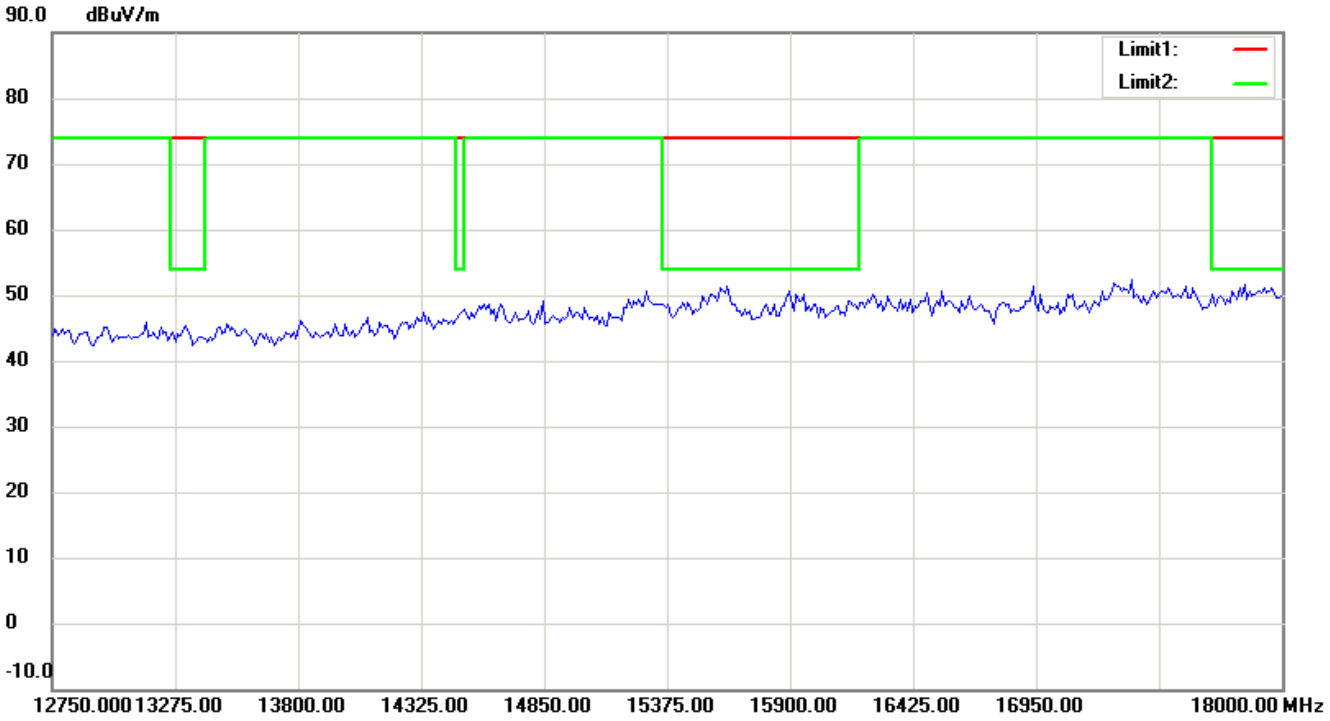
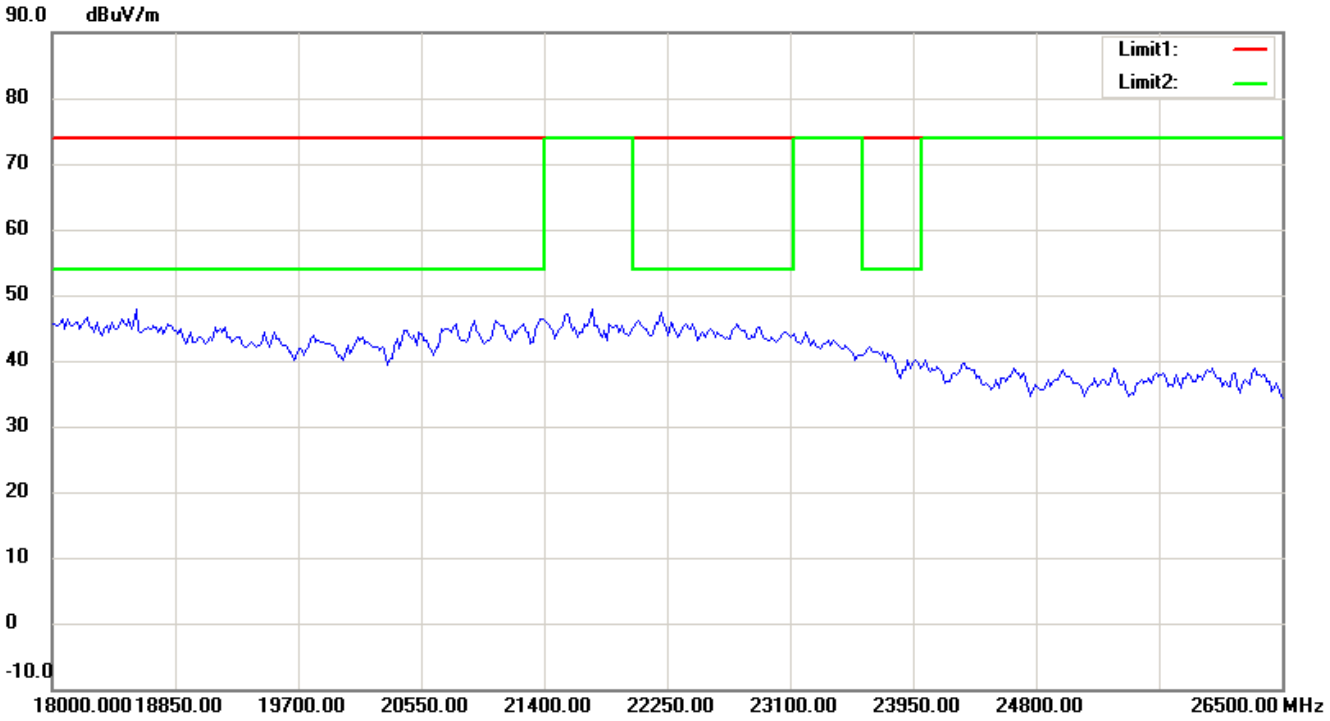
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

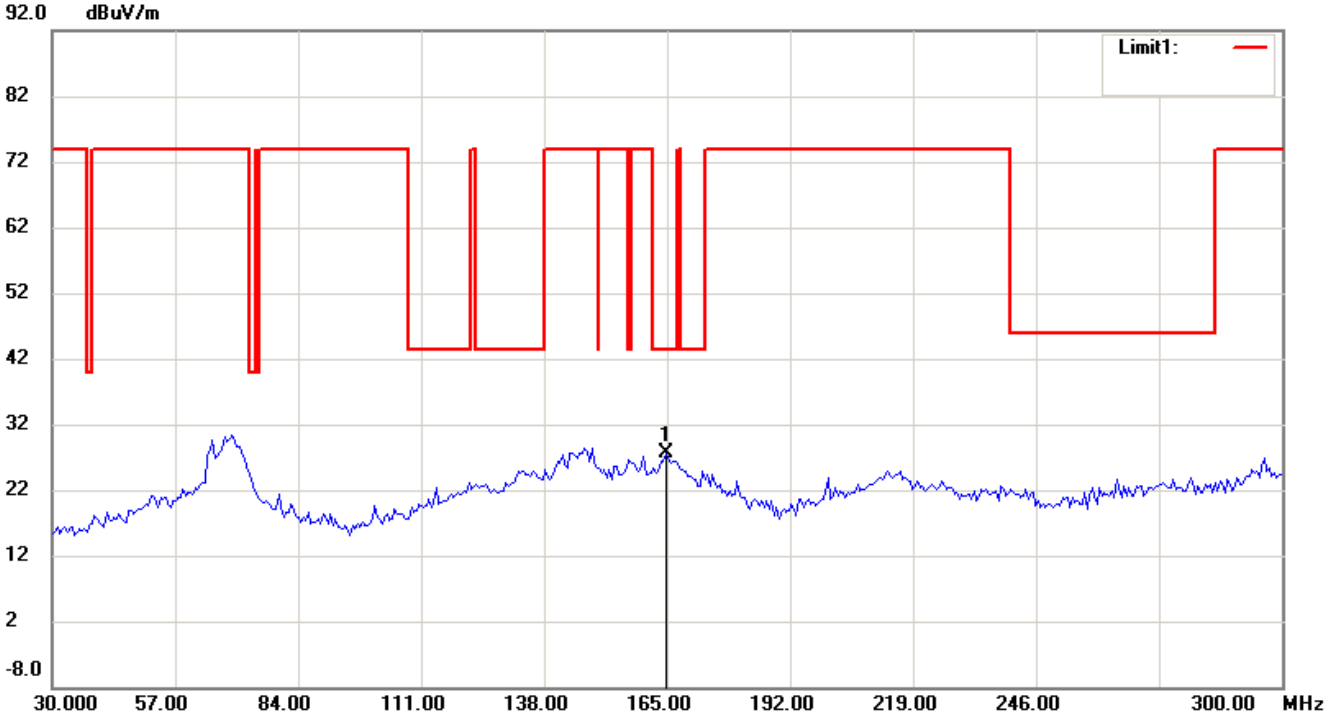


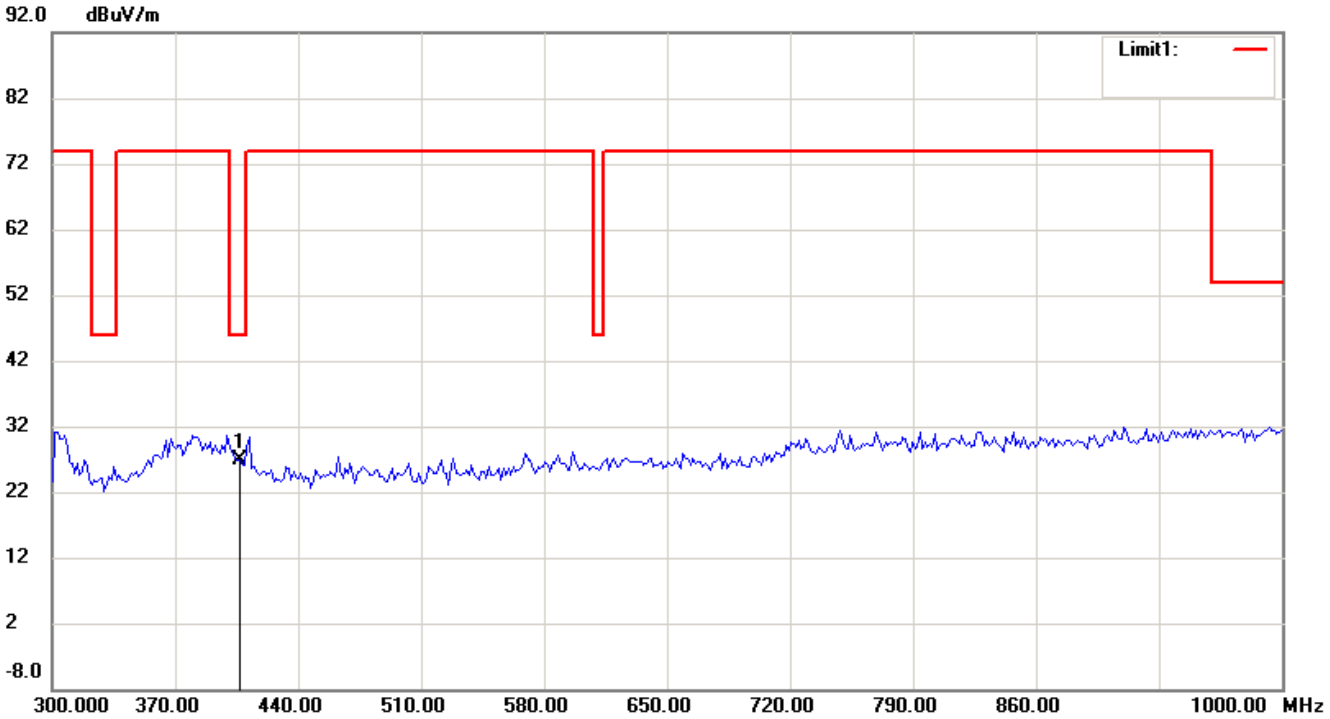


Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
1 The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2 The some frequencies may exceed the limit line without the specified detectors, but 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: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Channel 11
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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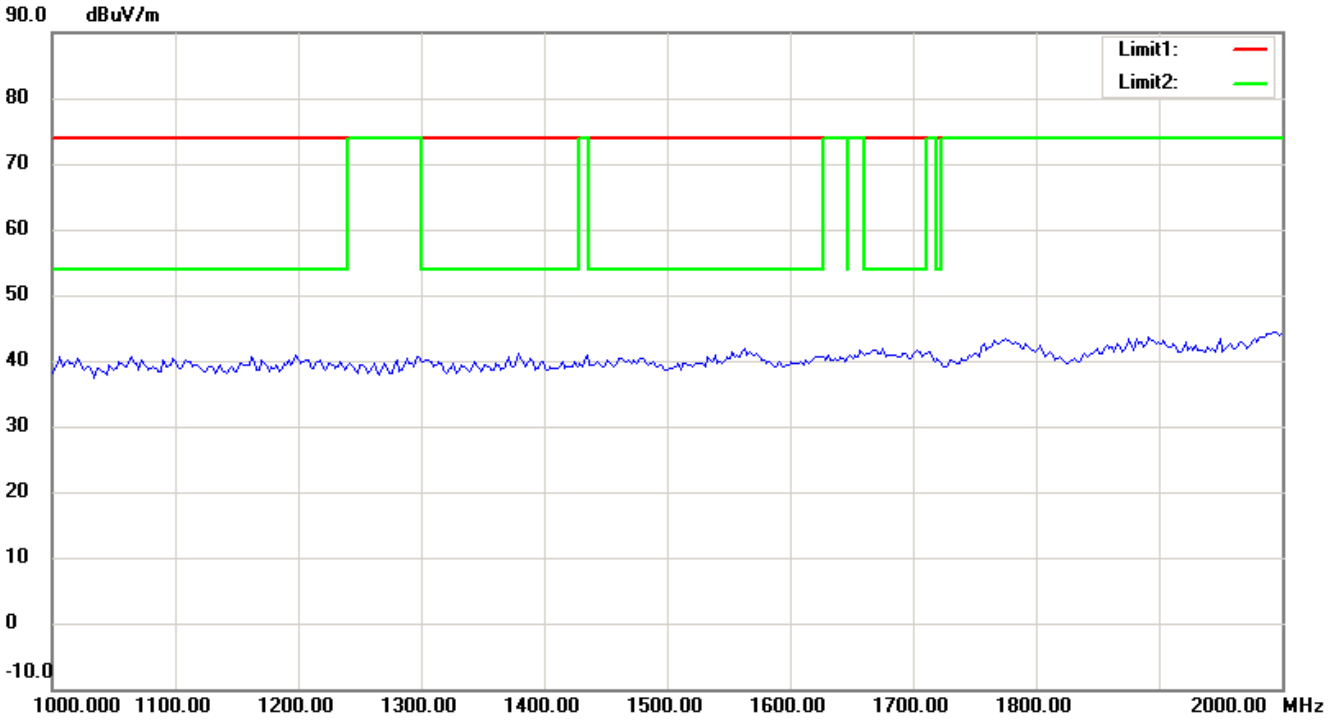
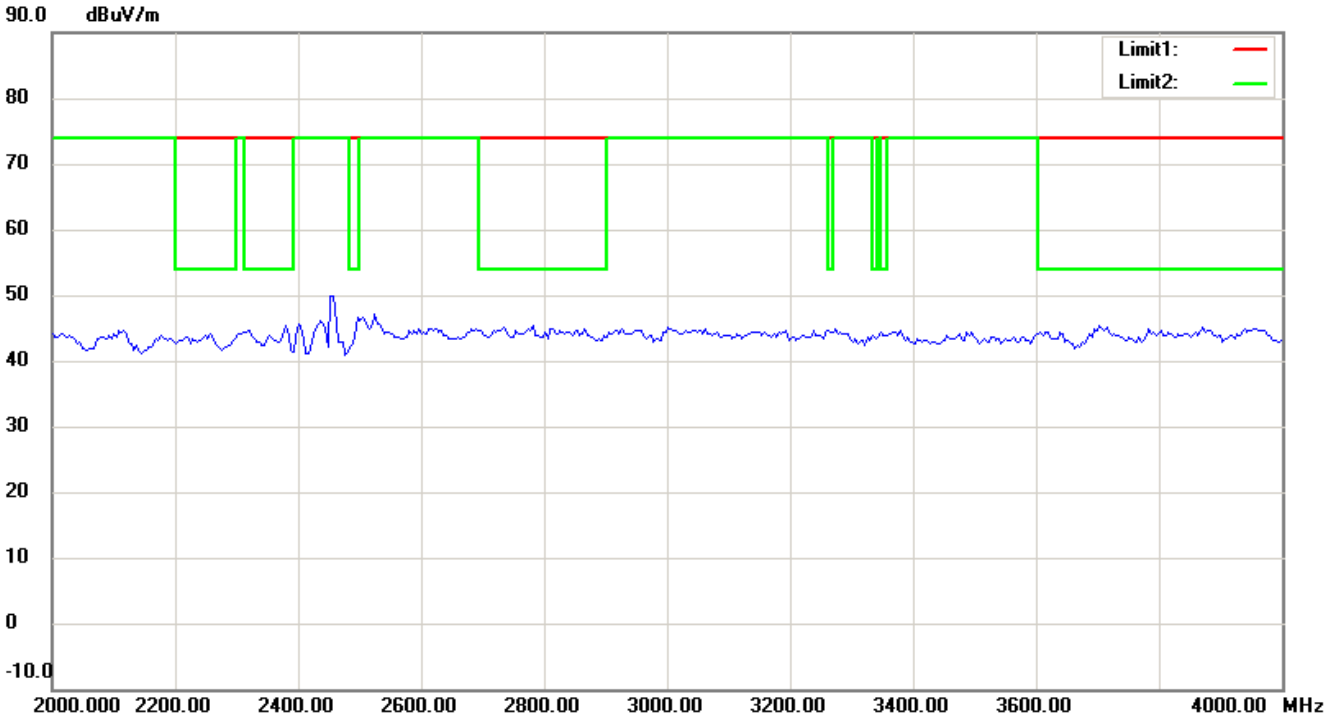
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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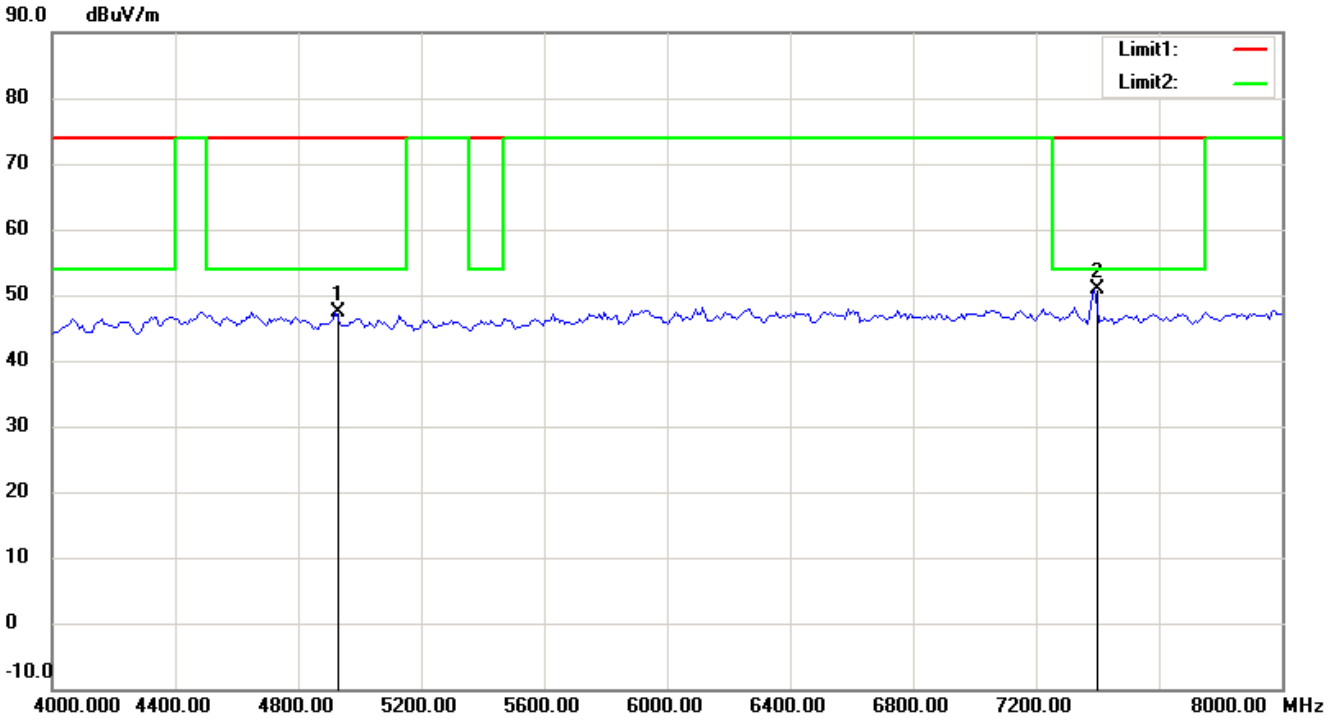
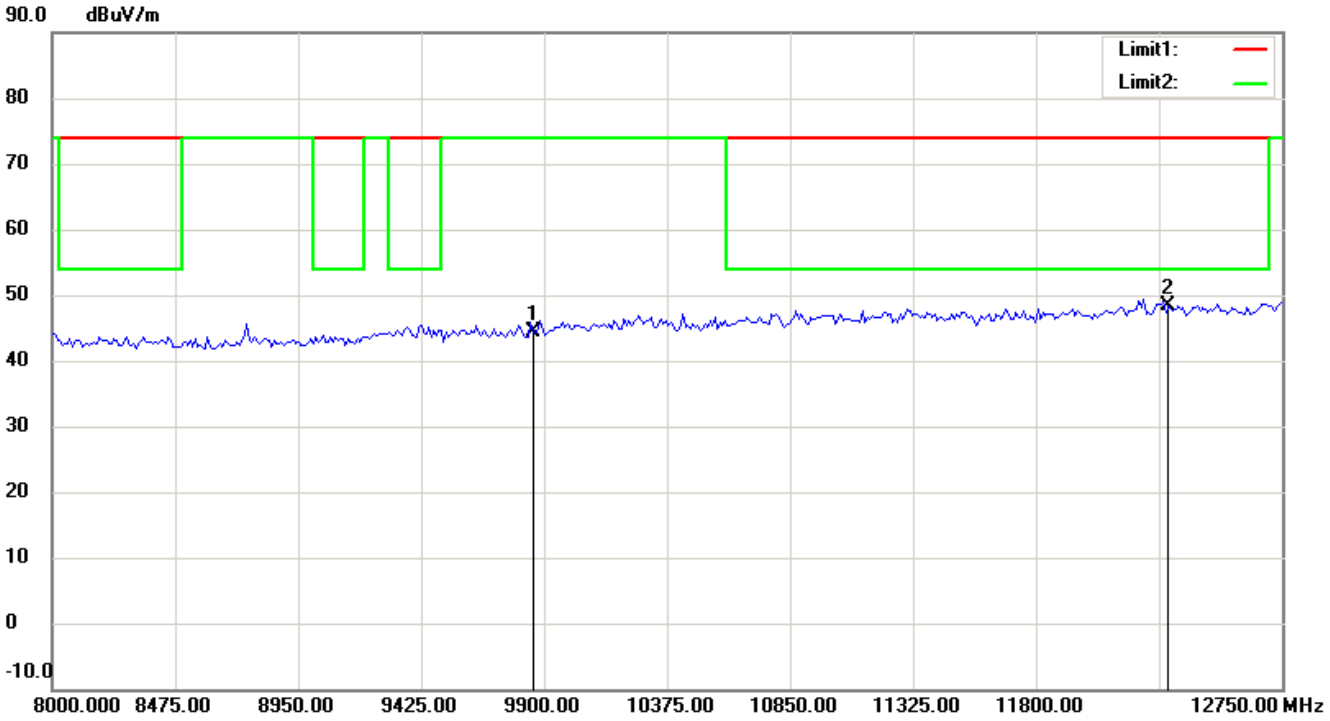
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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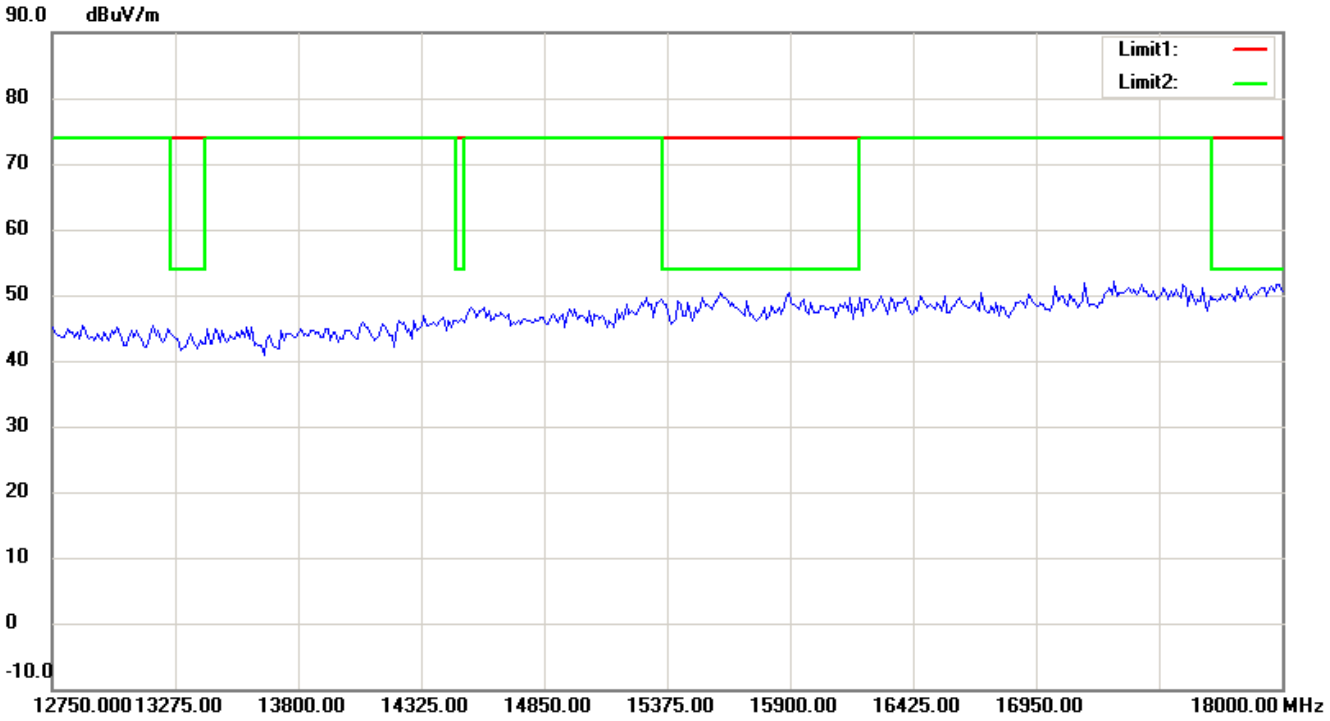
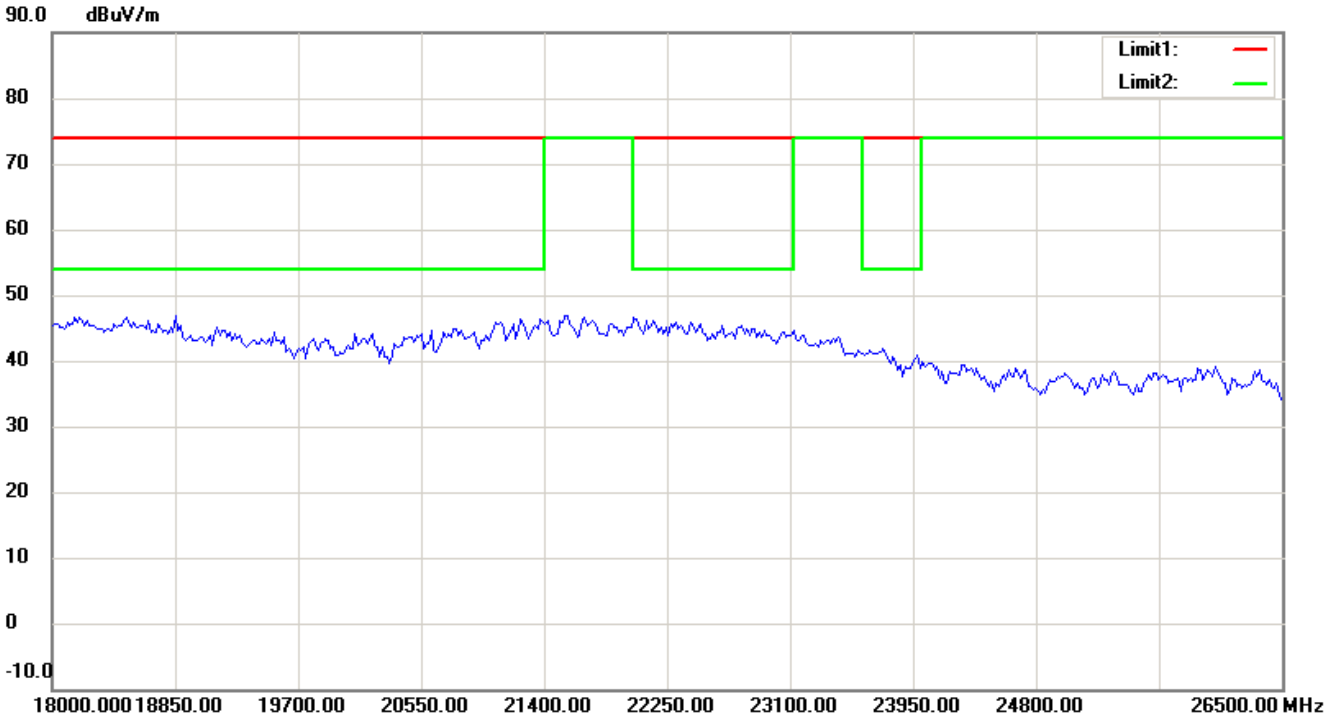
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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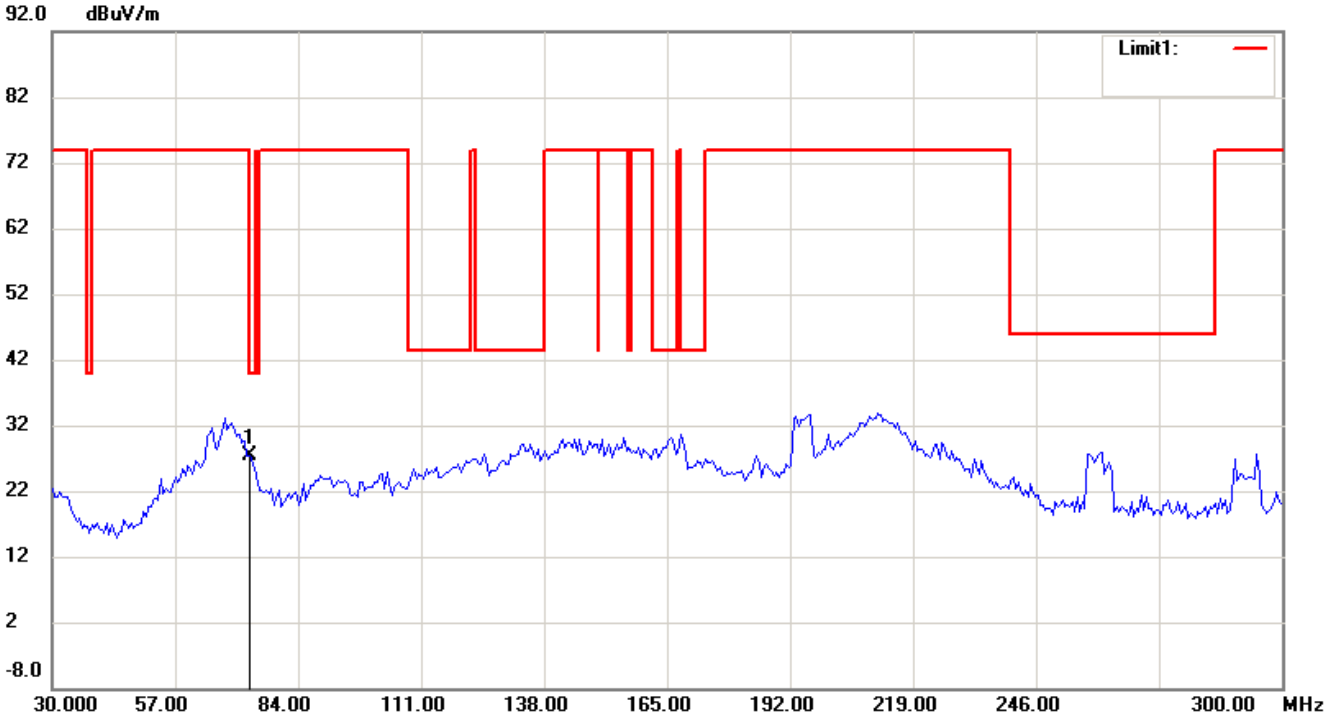
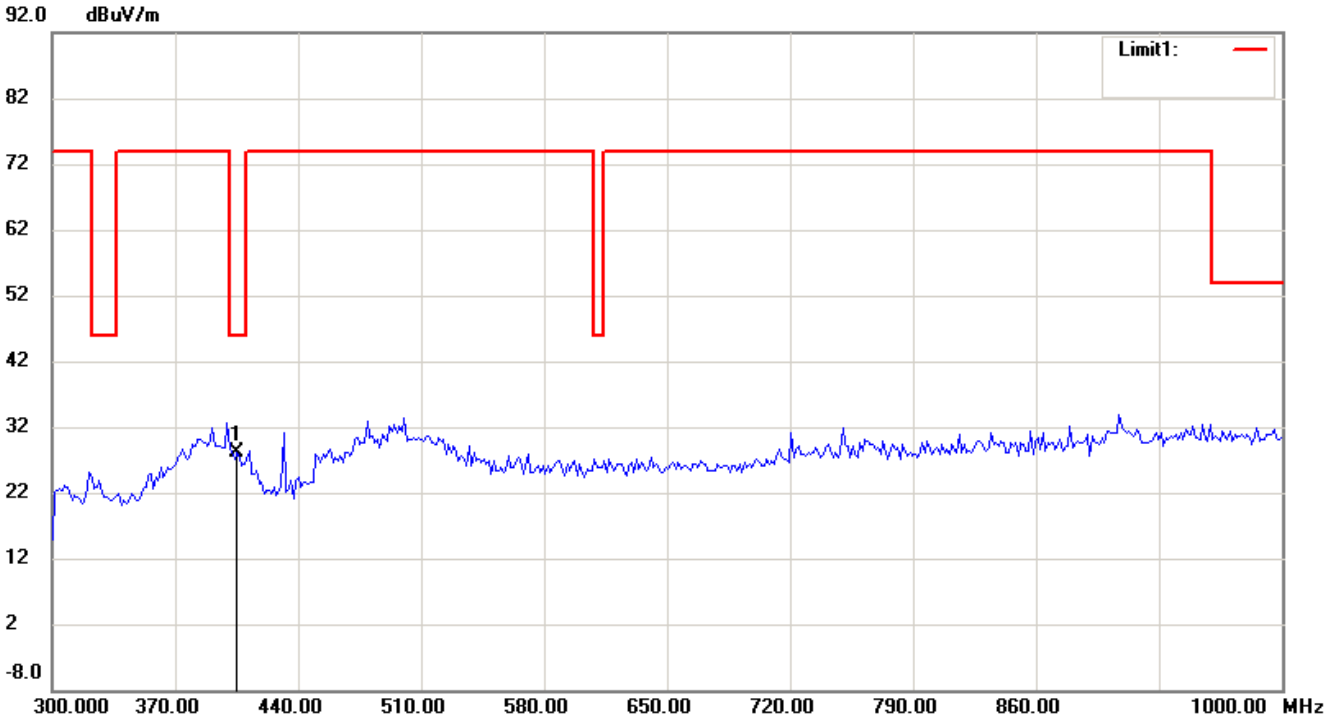
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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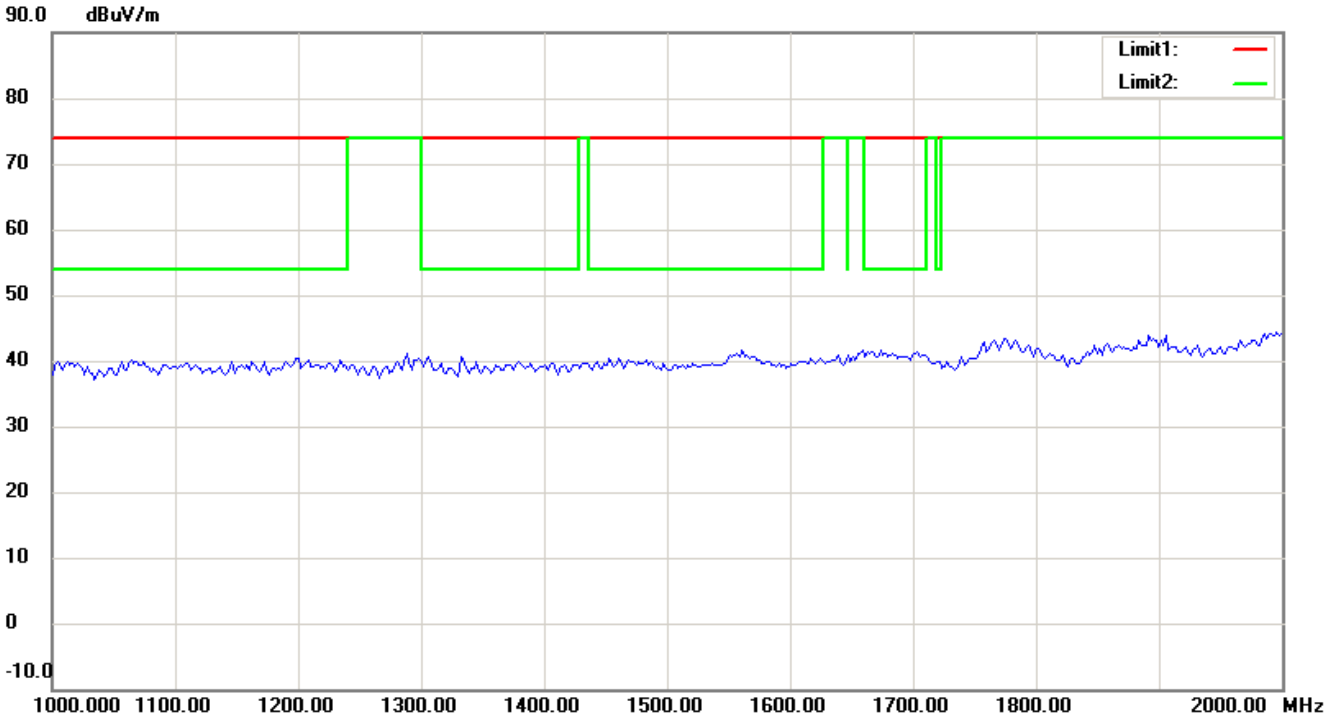
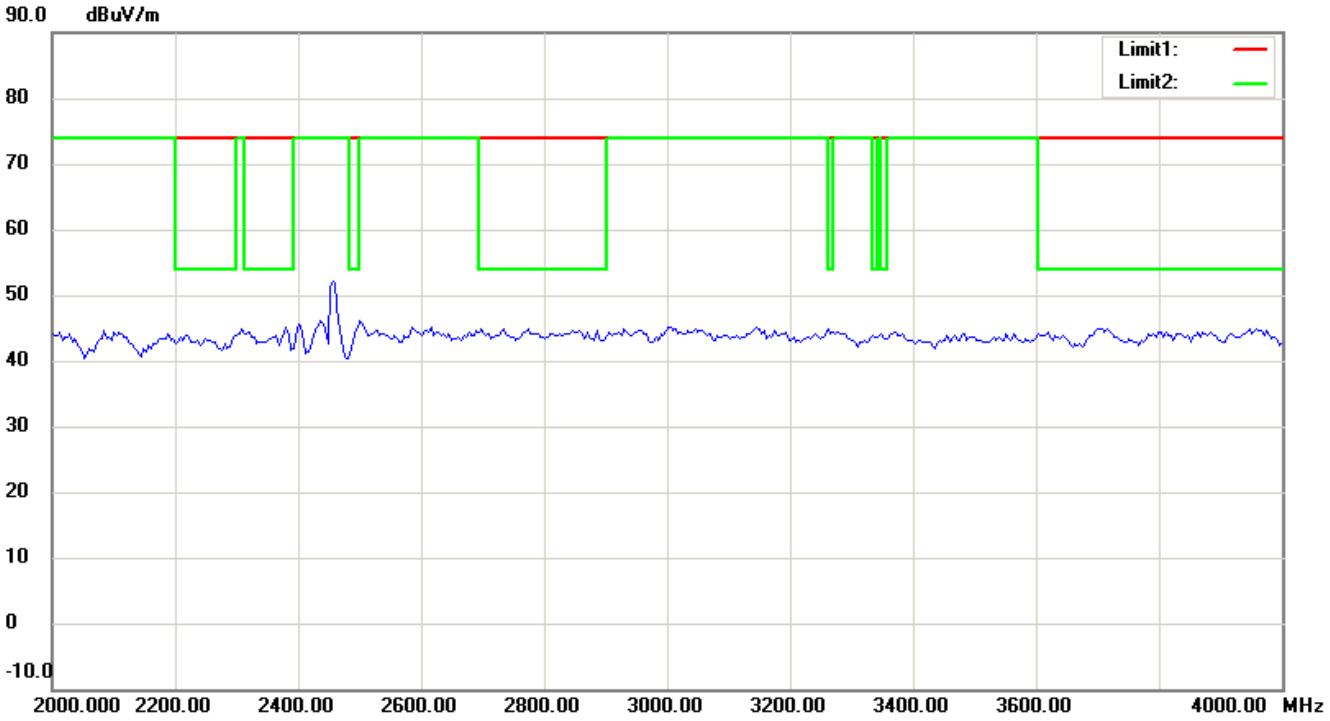
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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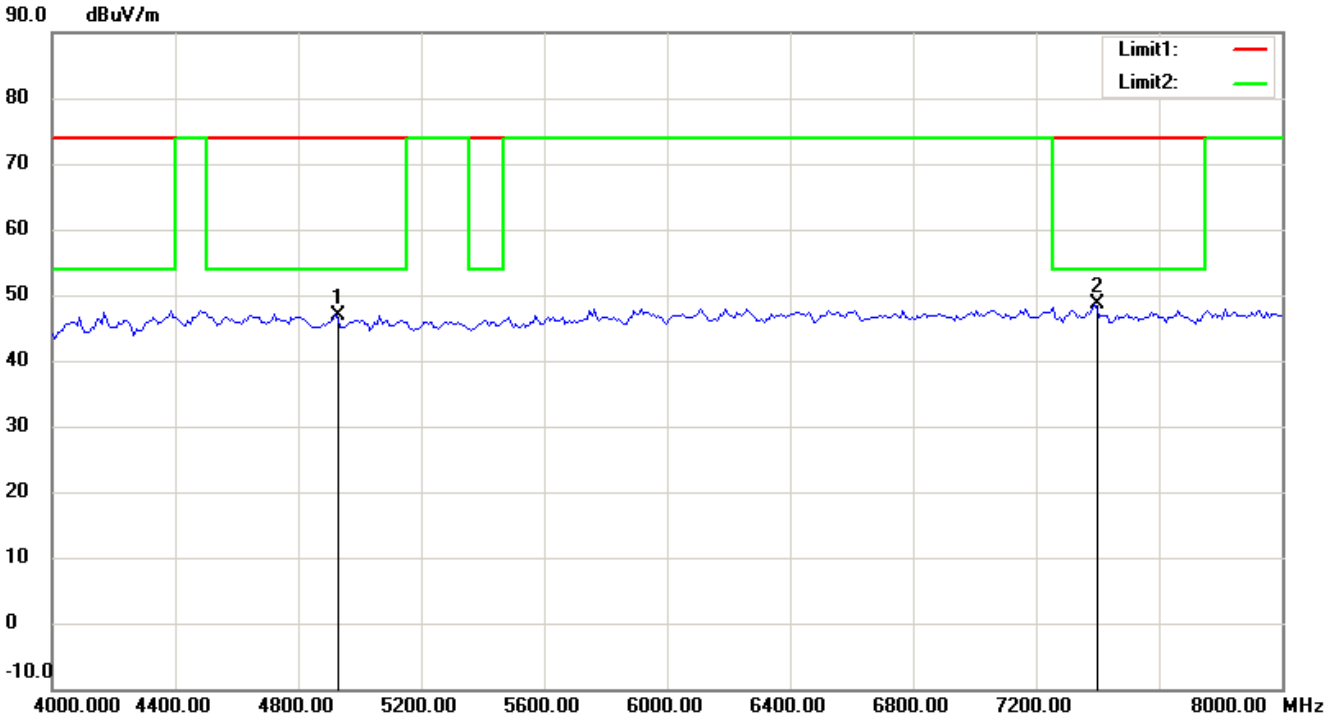
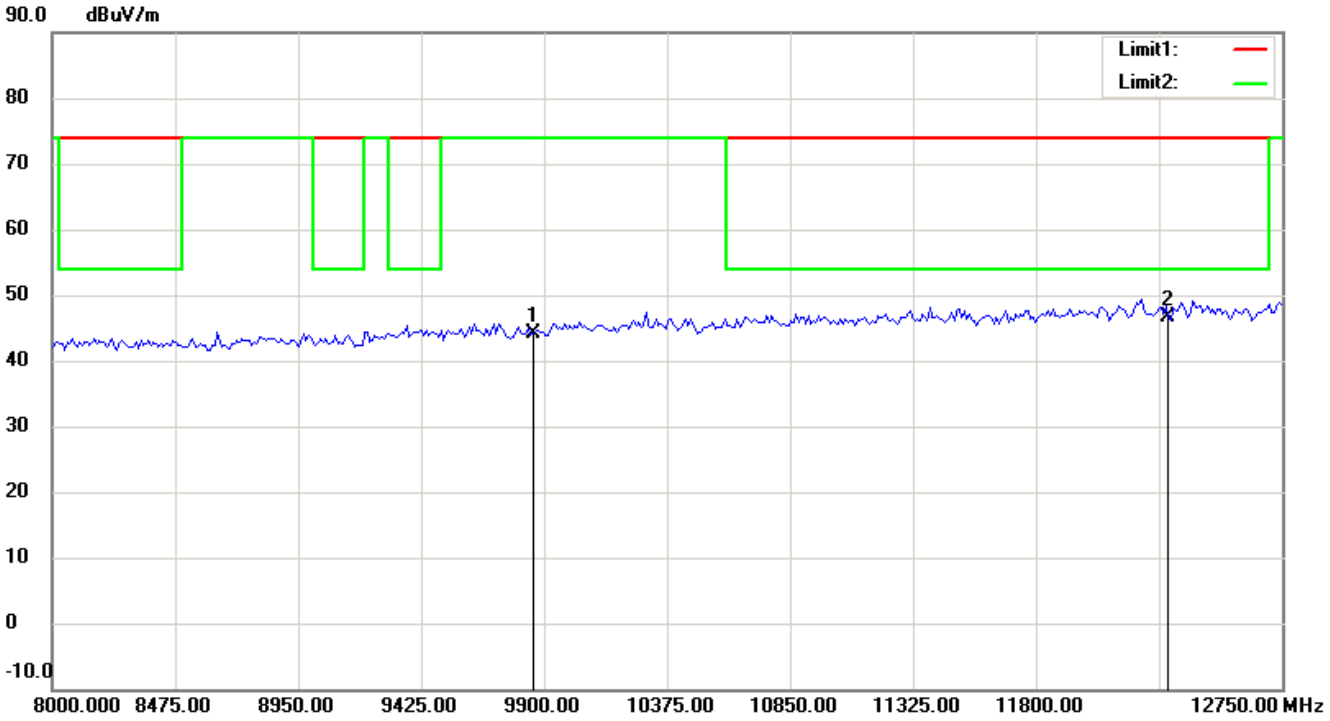
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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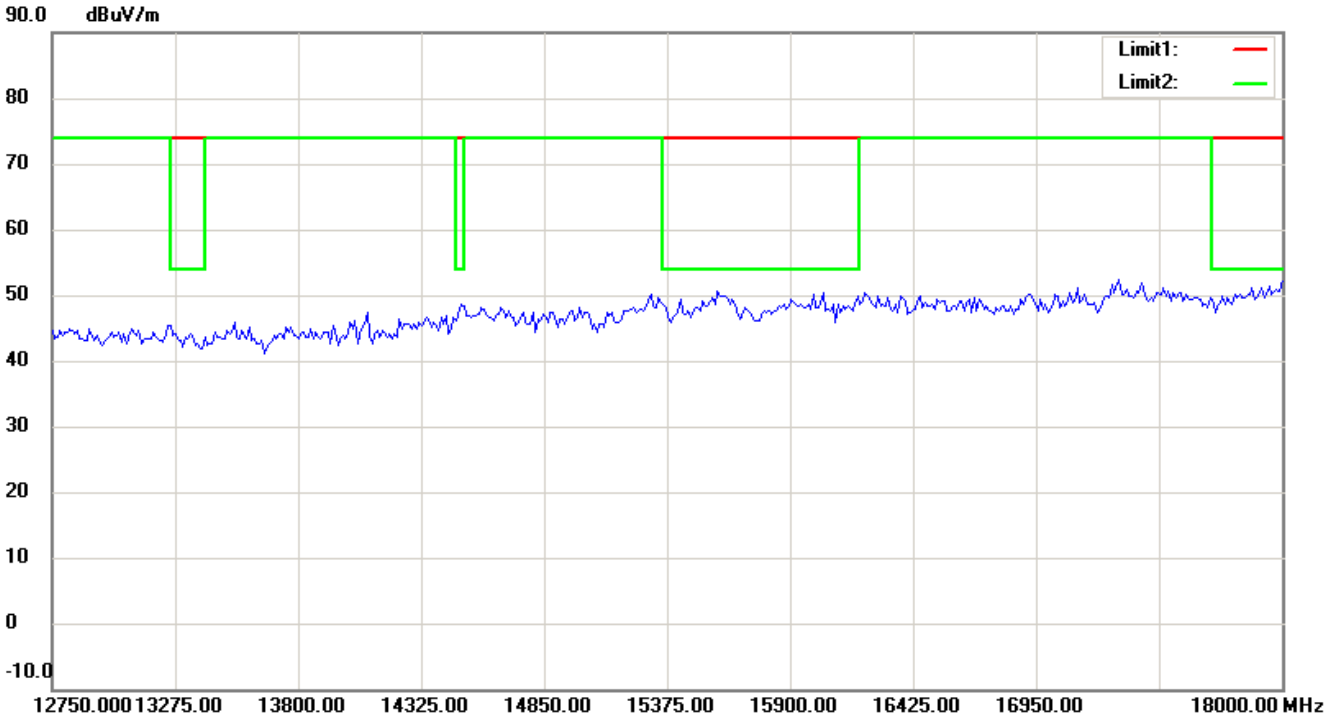
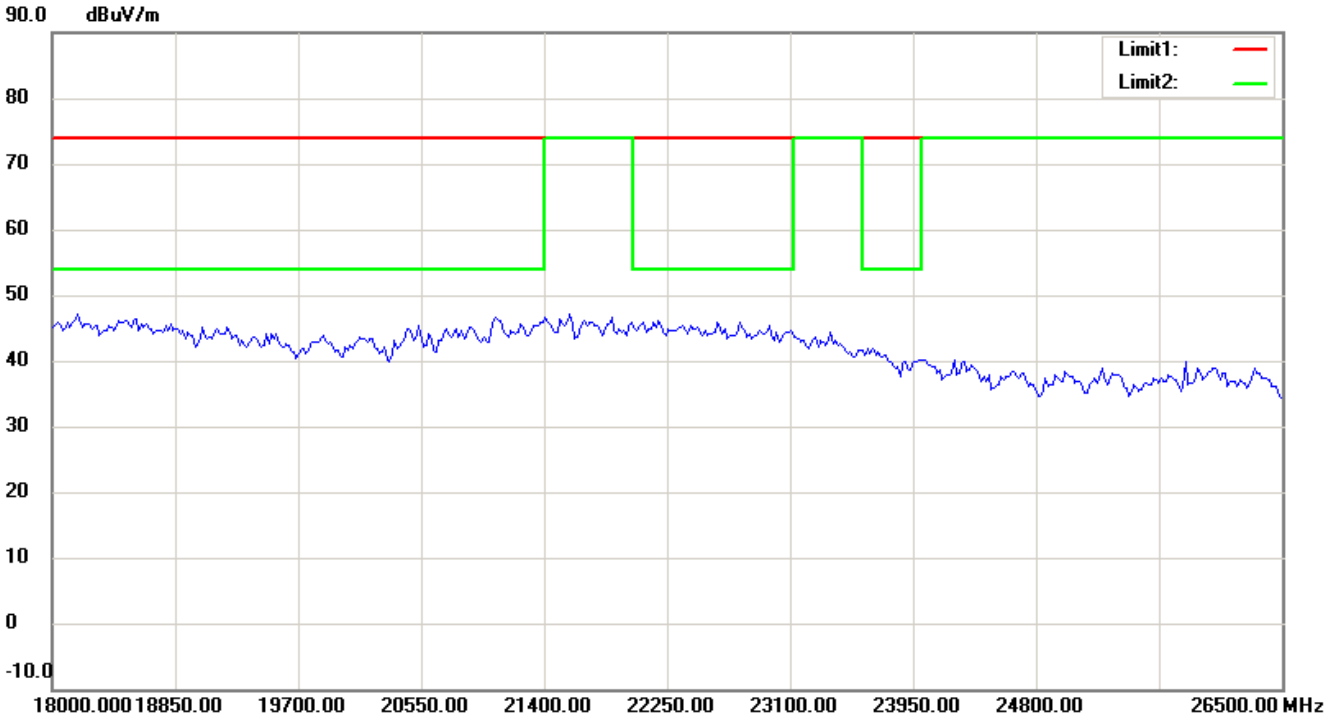
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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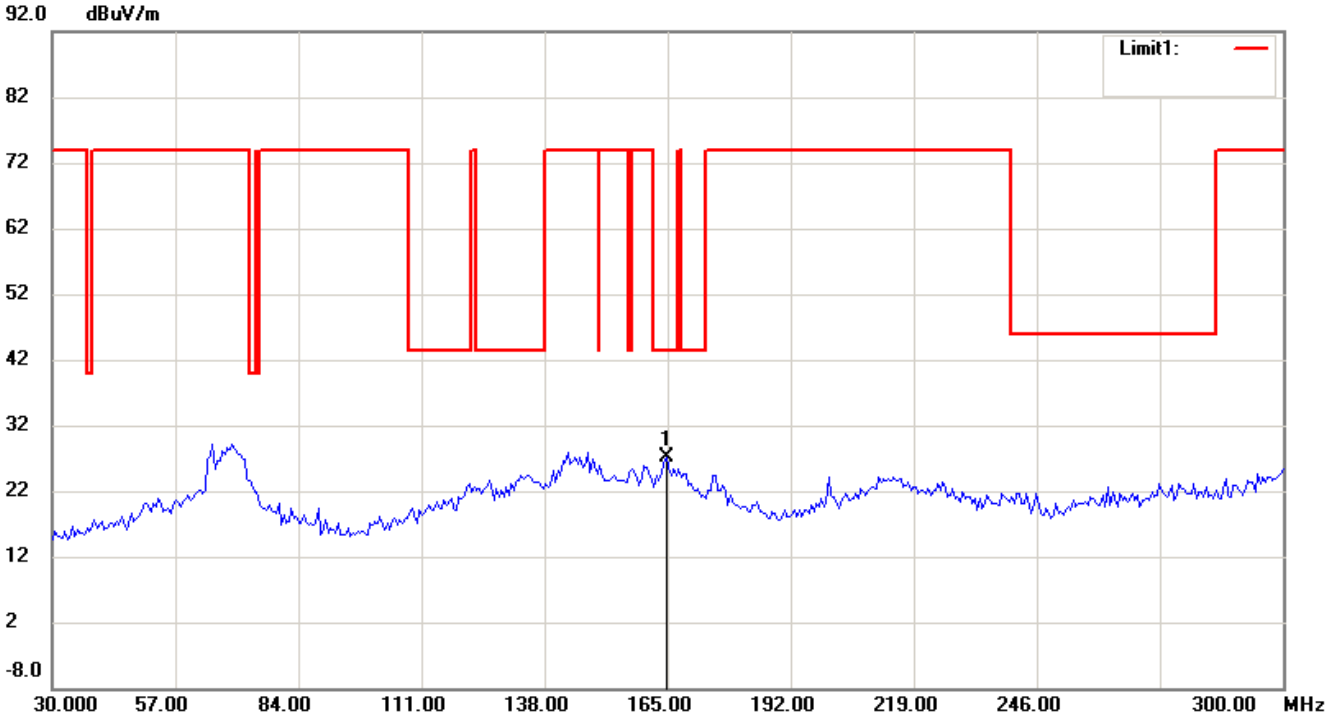
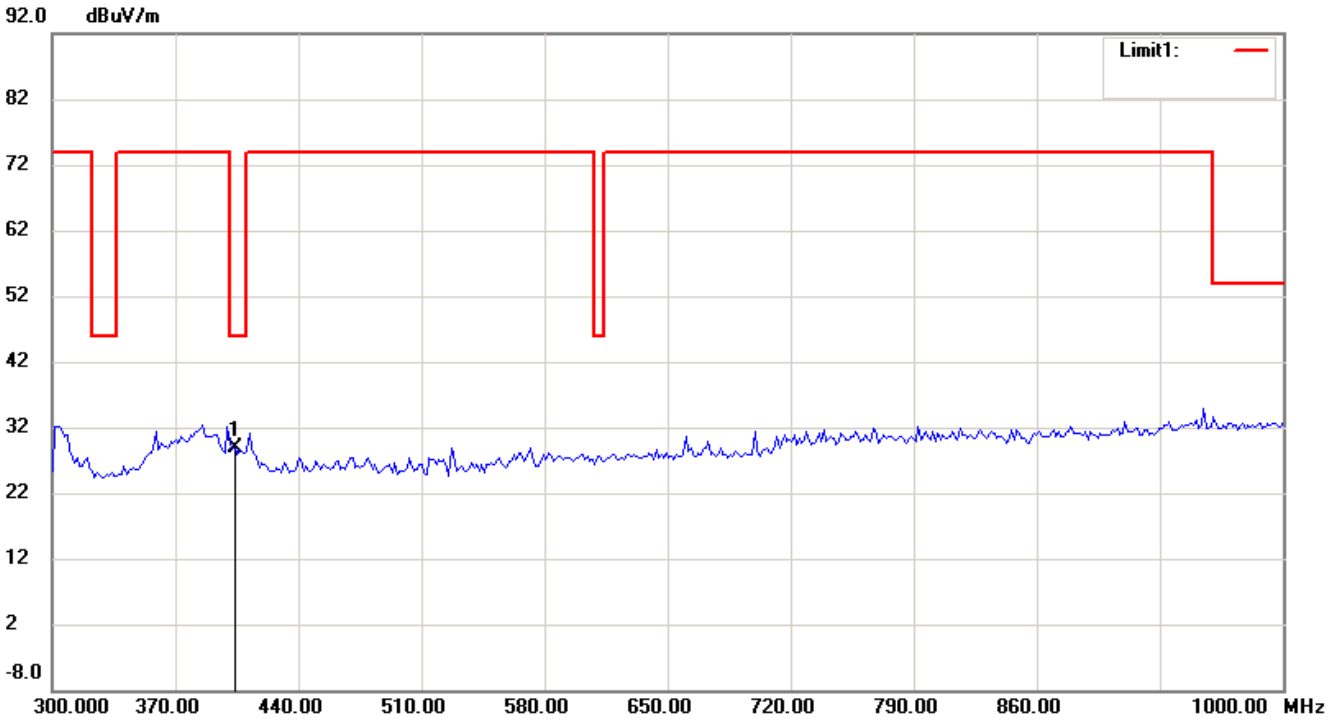
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

802.11n 20MHz
Channel 1
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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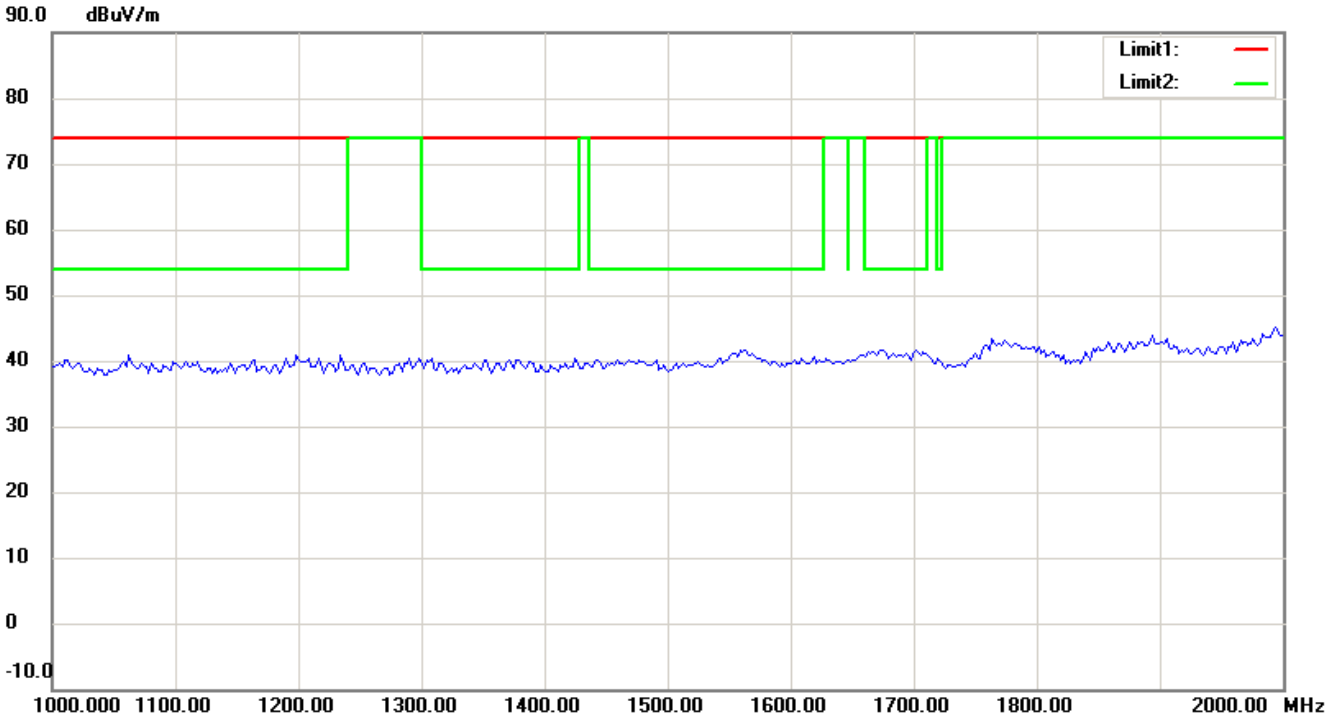
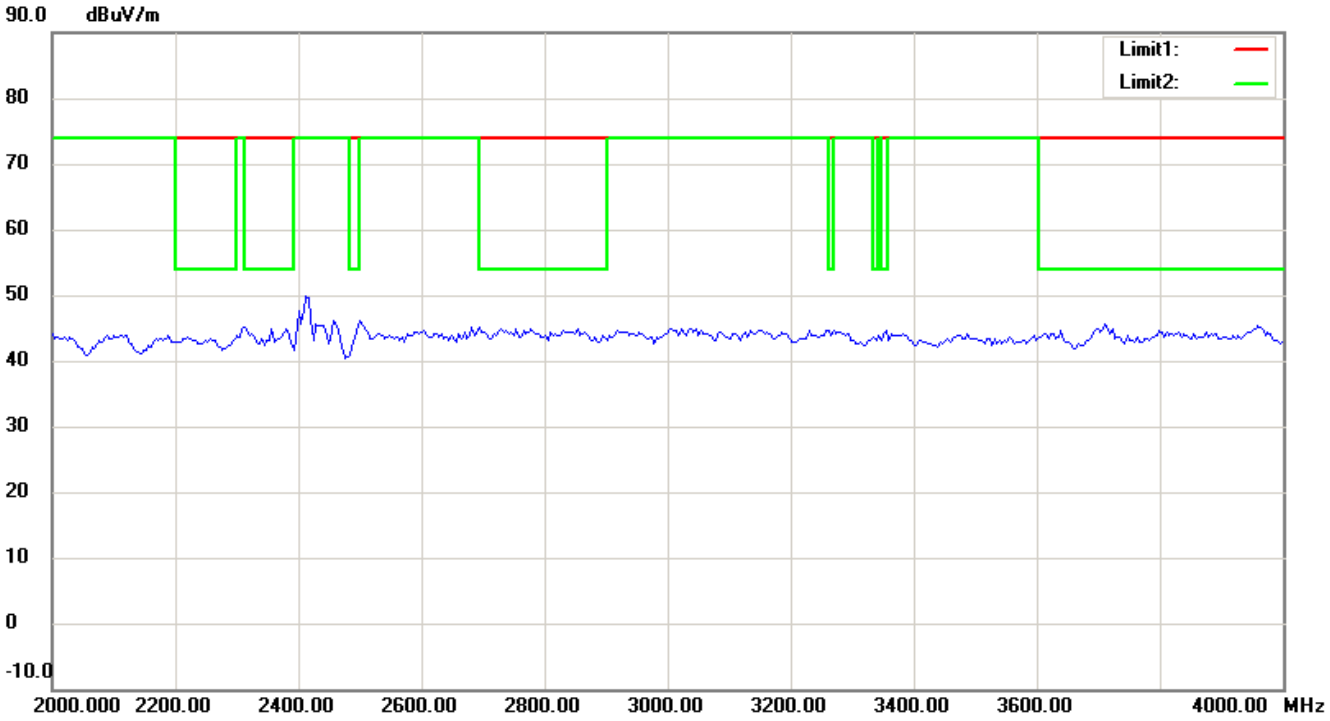
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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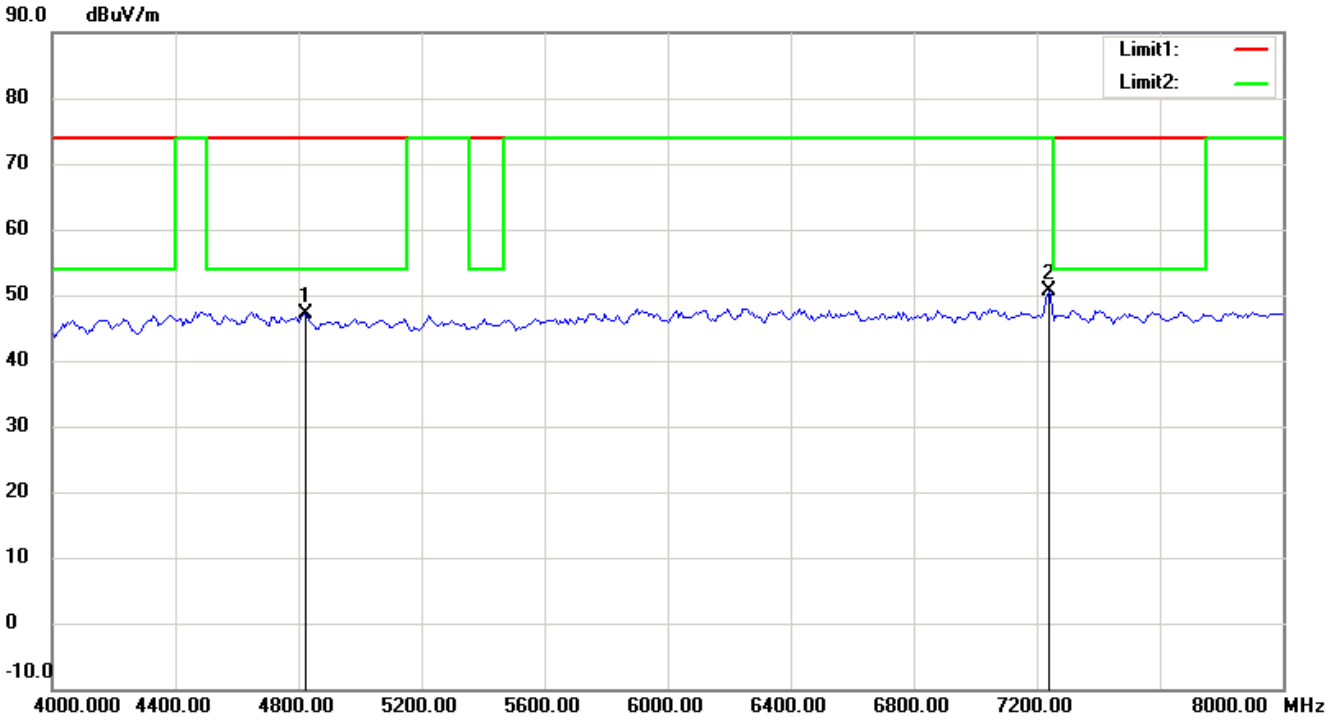
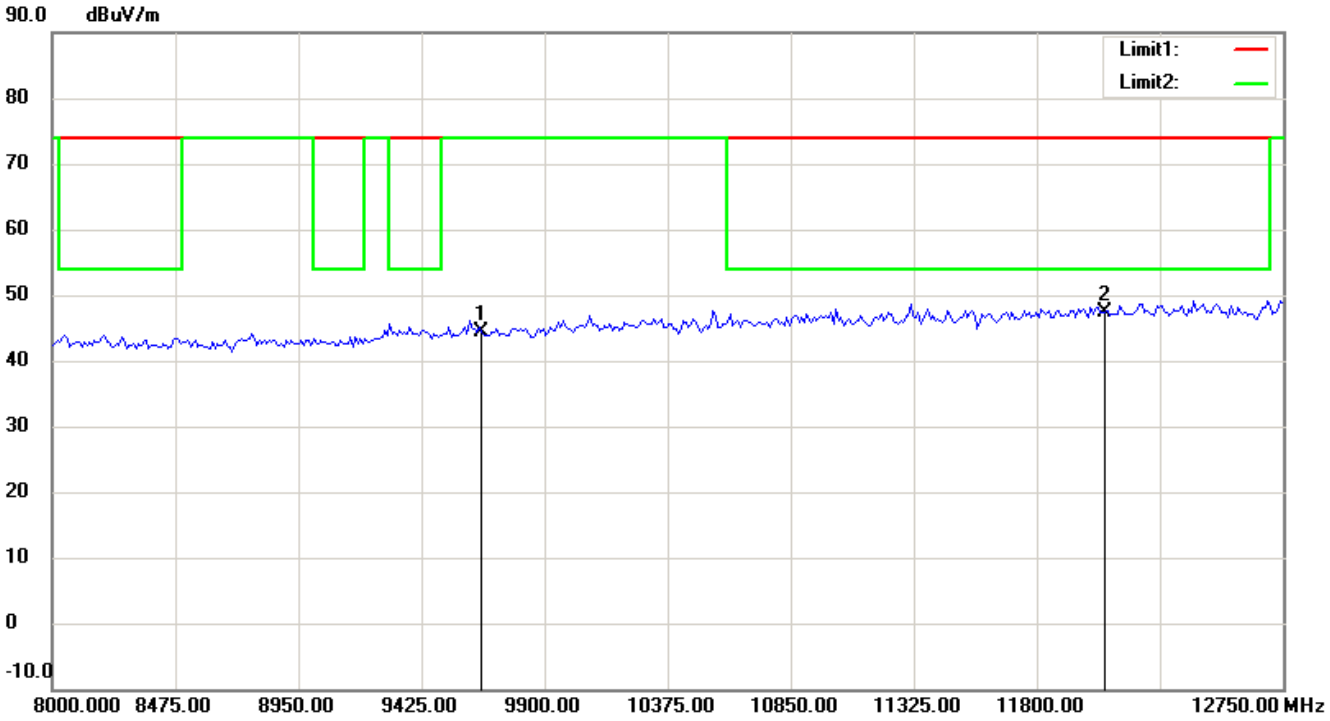
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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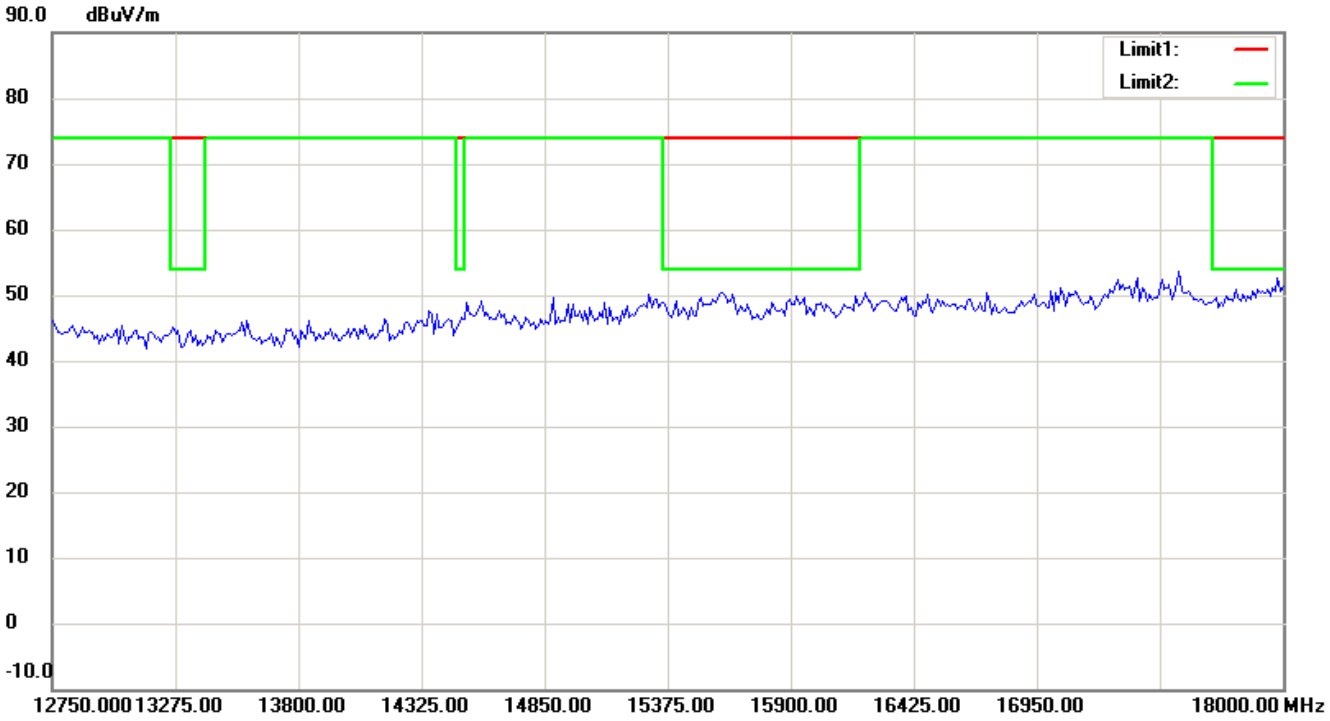
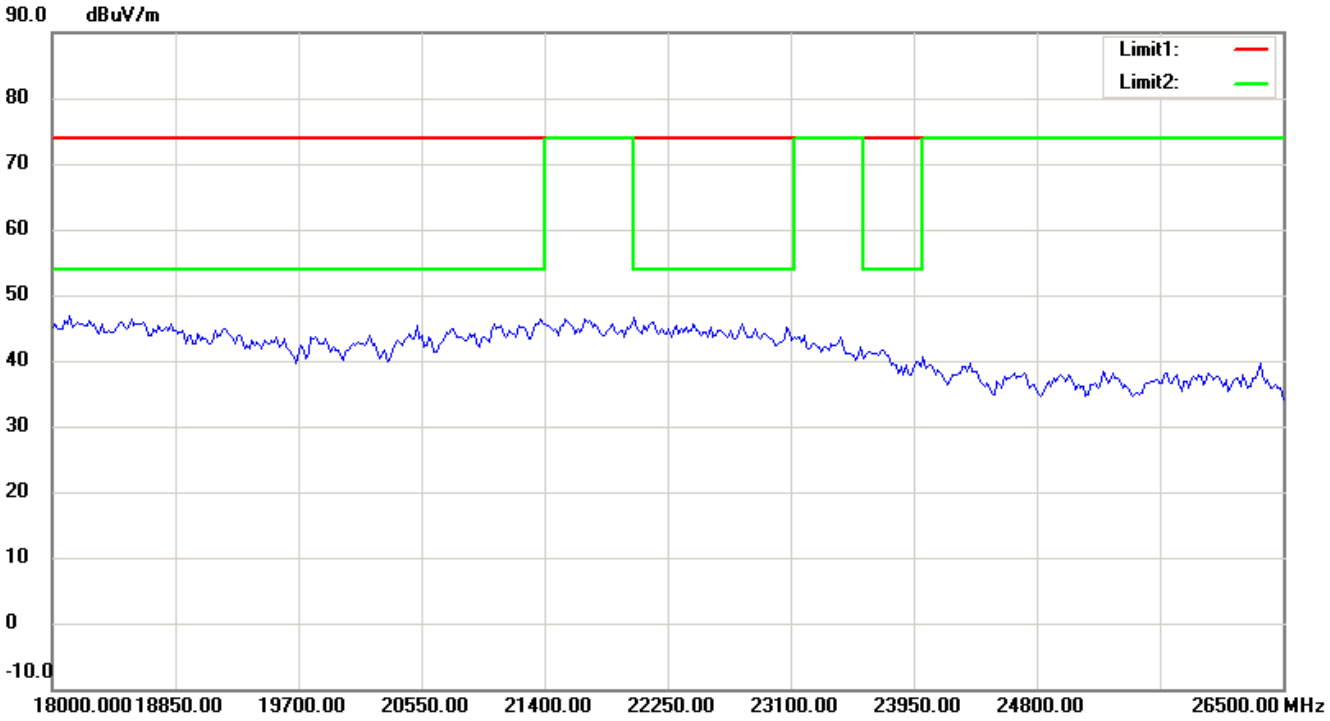
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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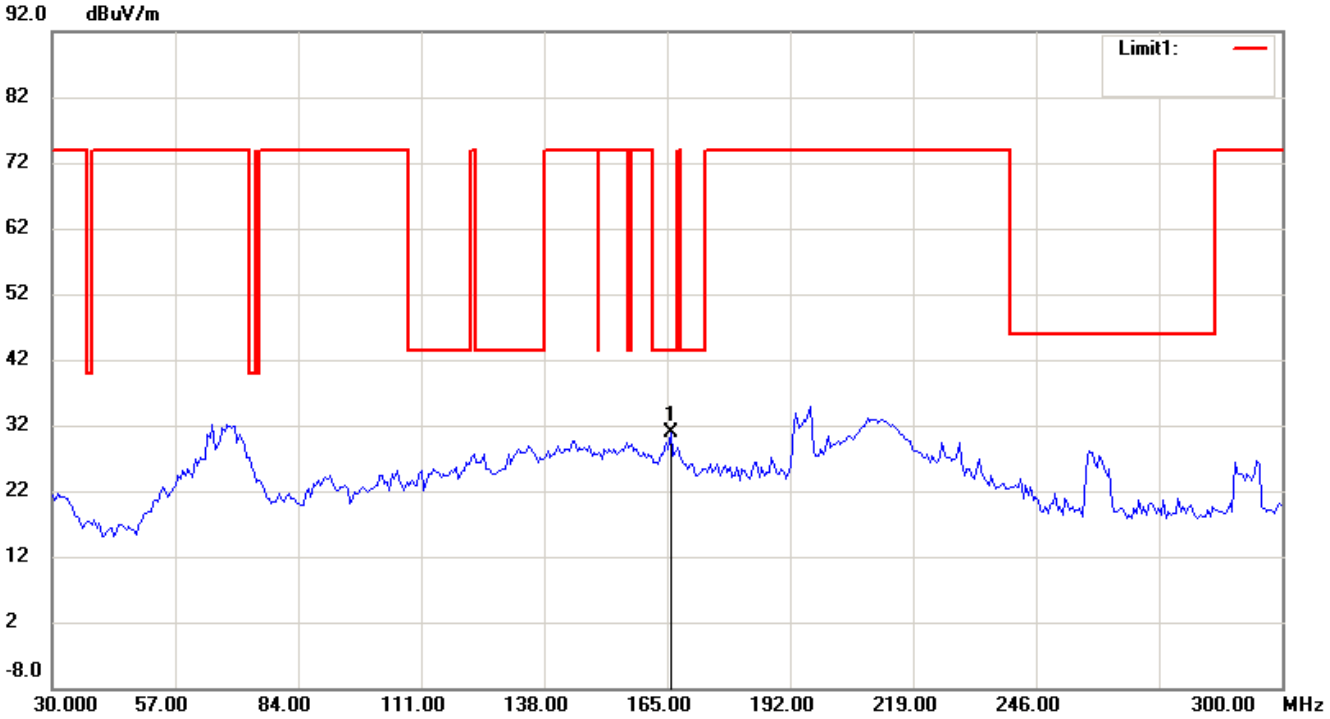
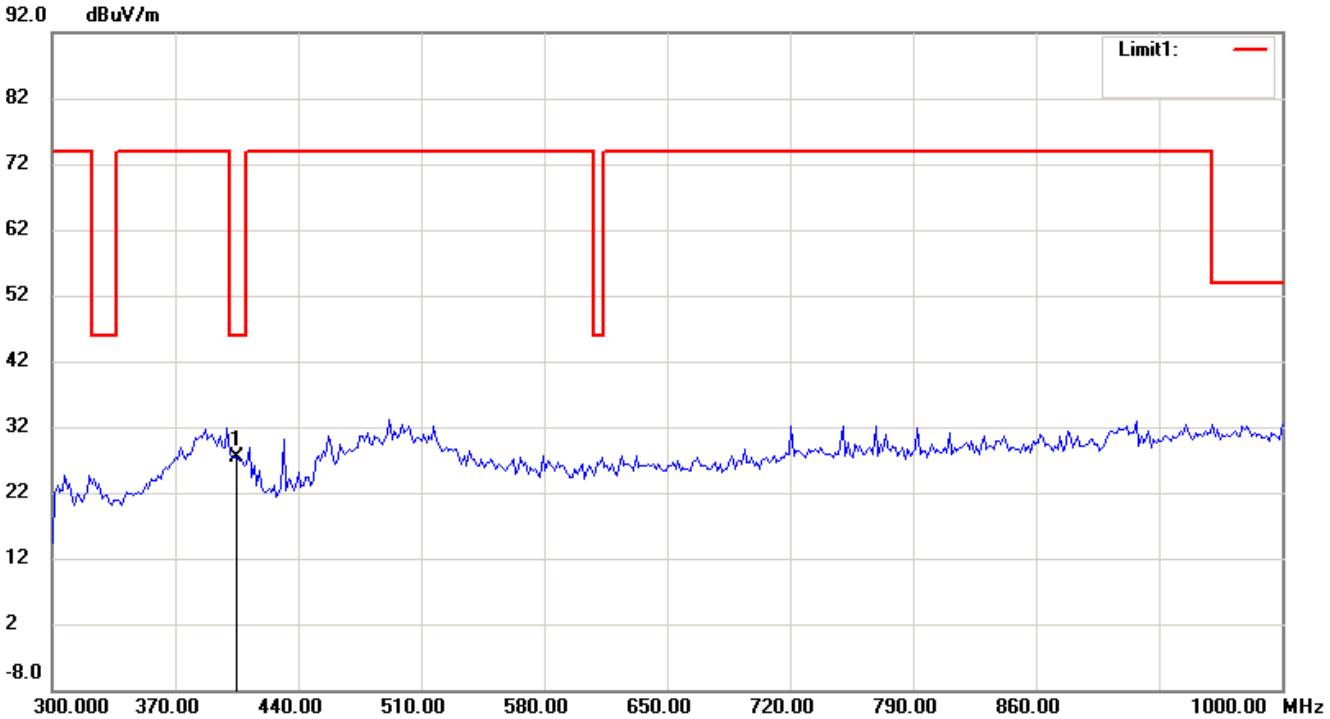
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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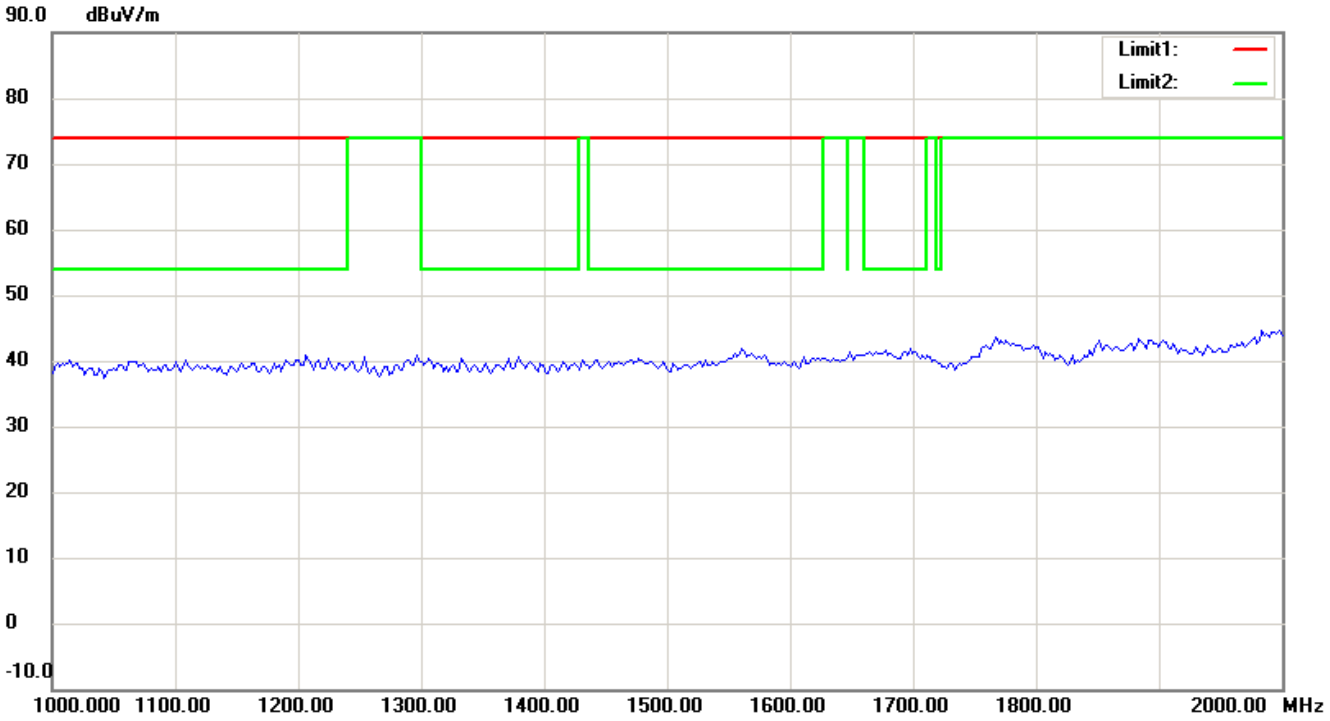
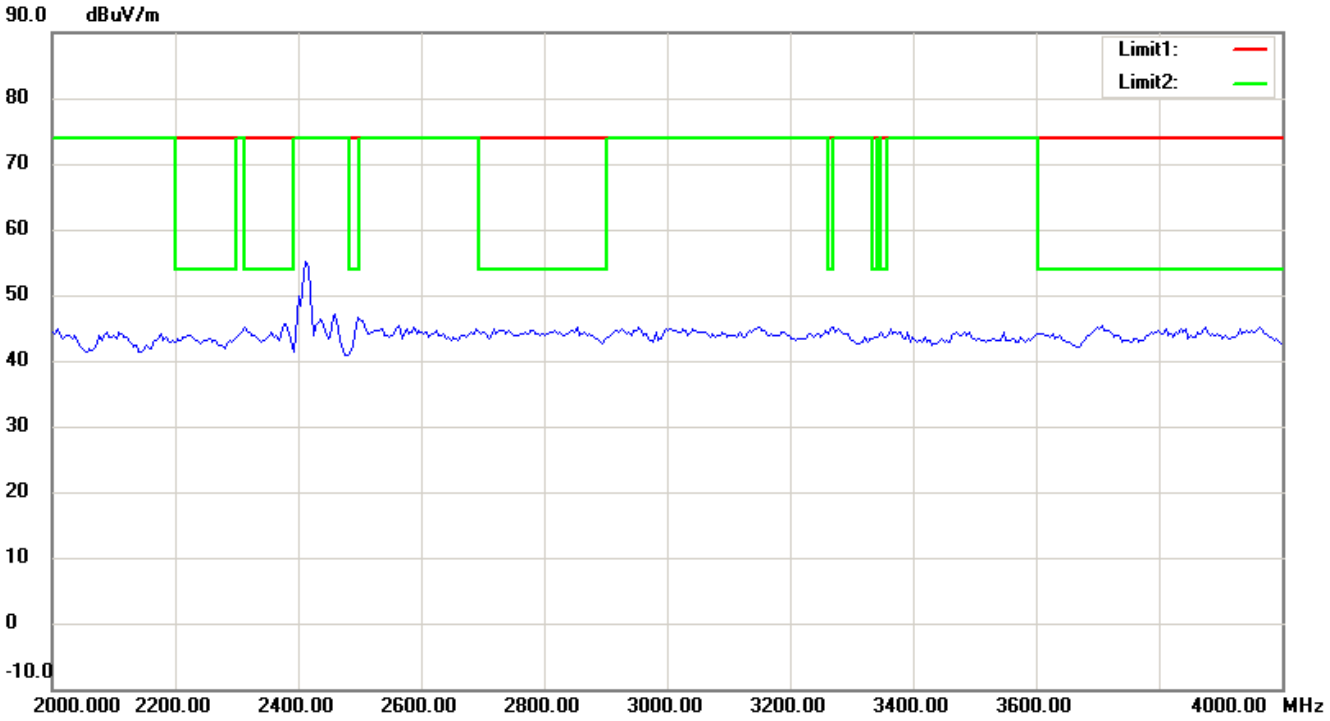
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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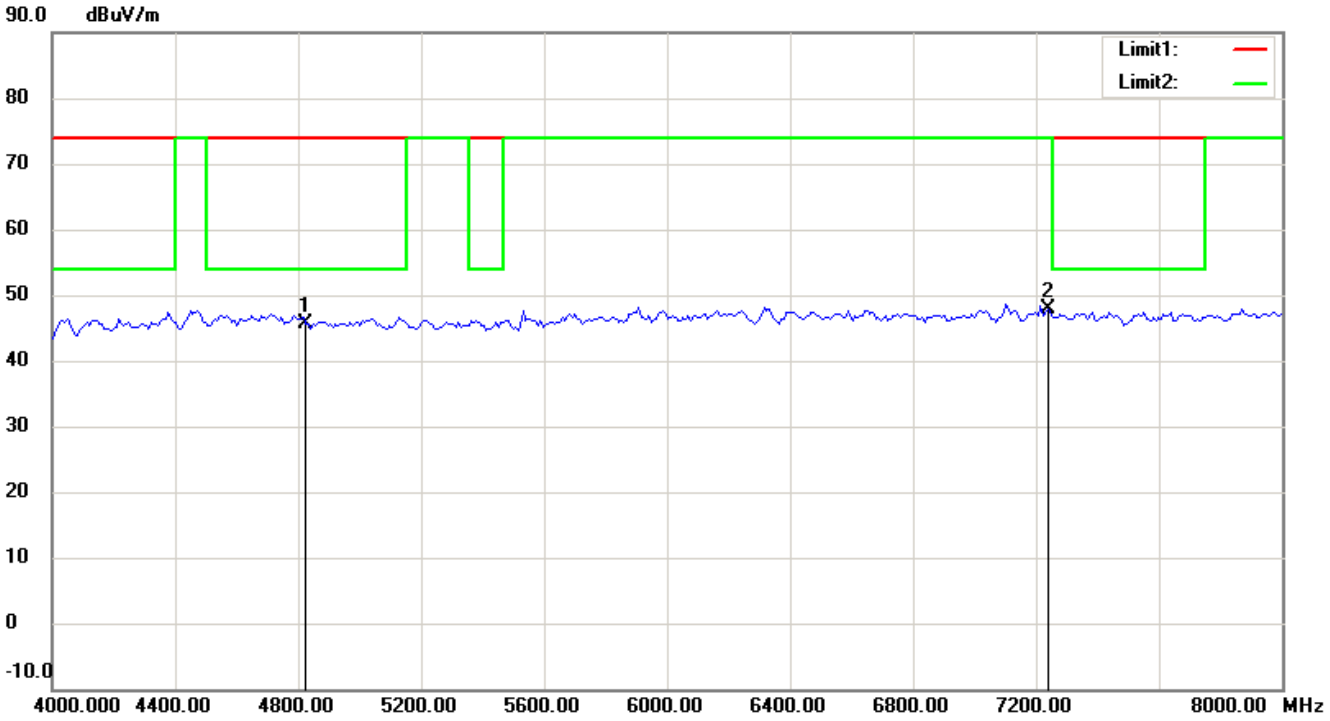
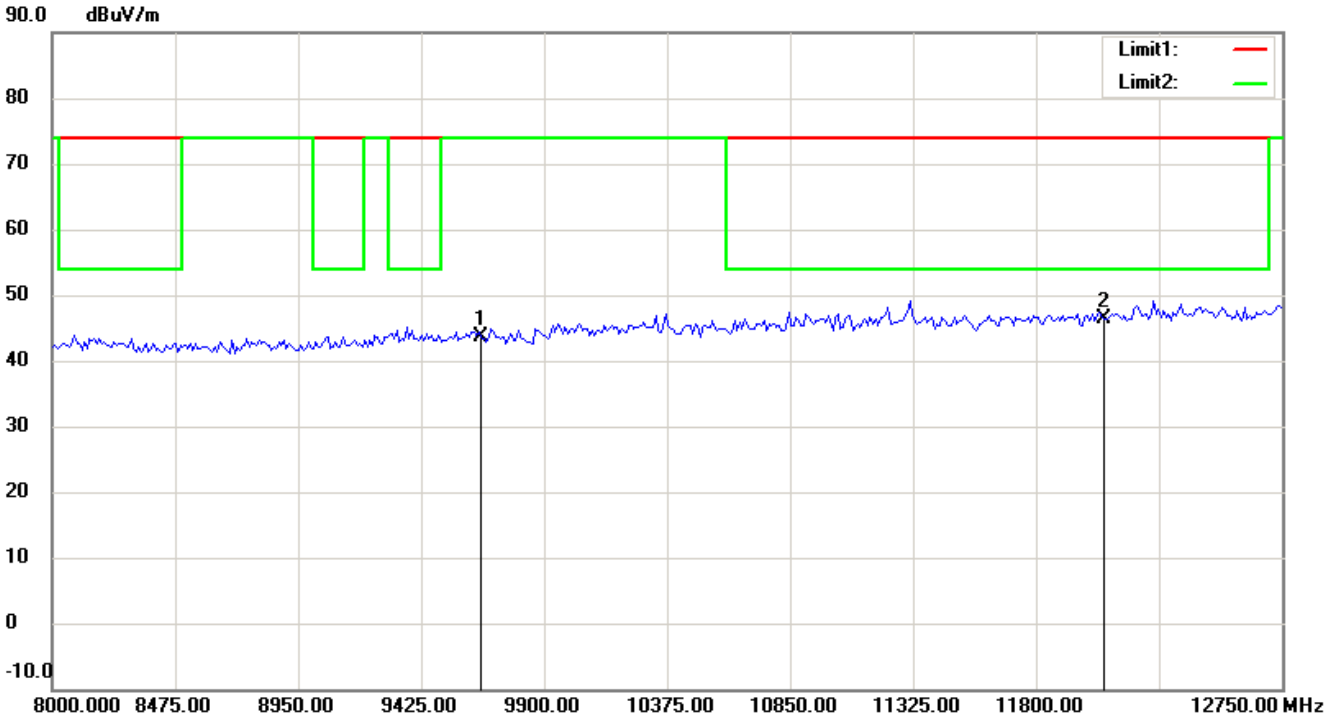
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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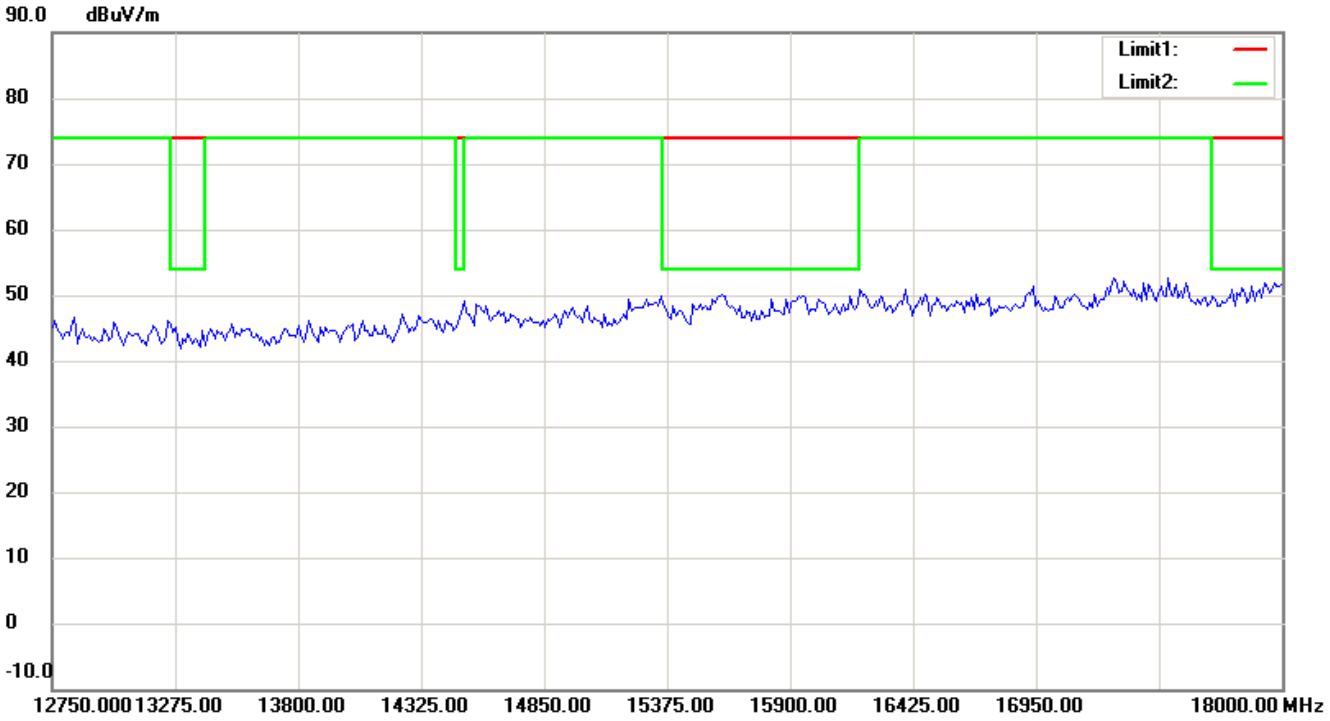
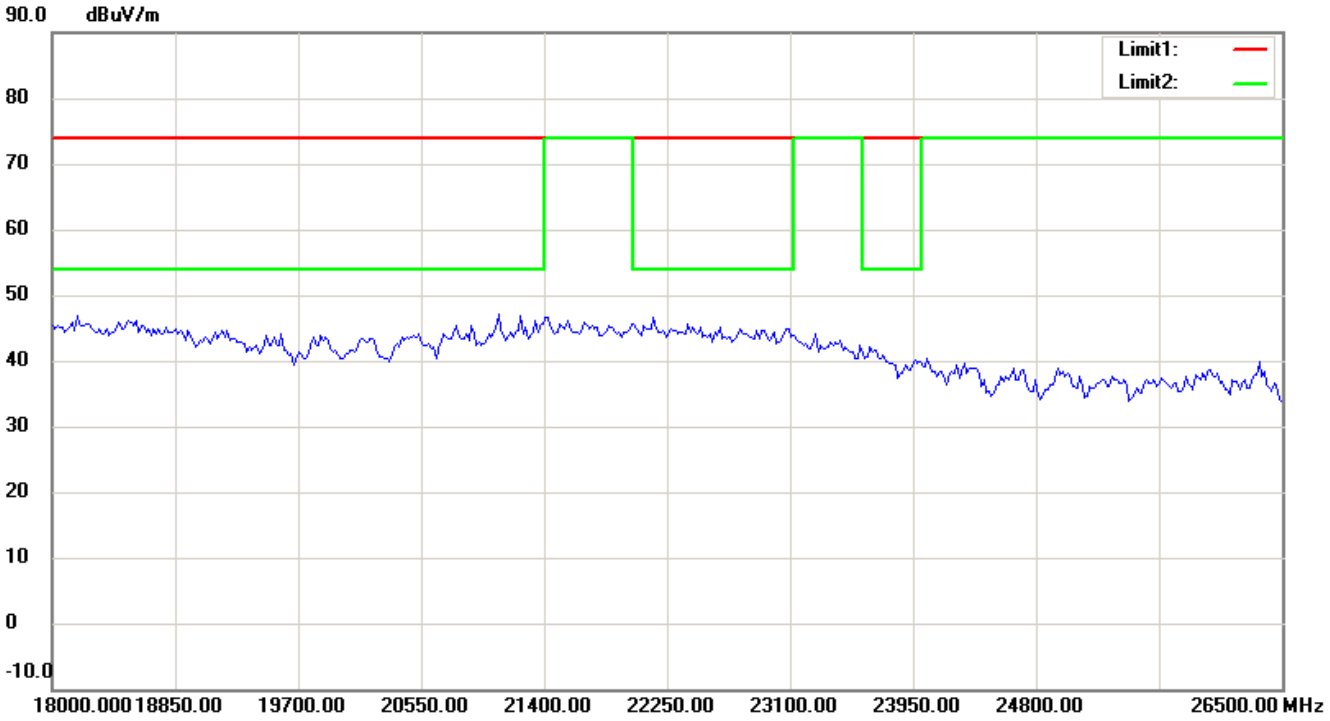
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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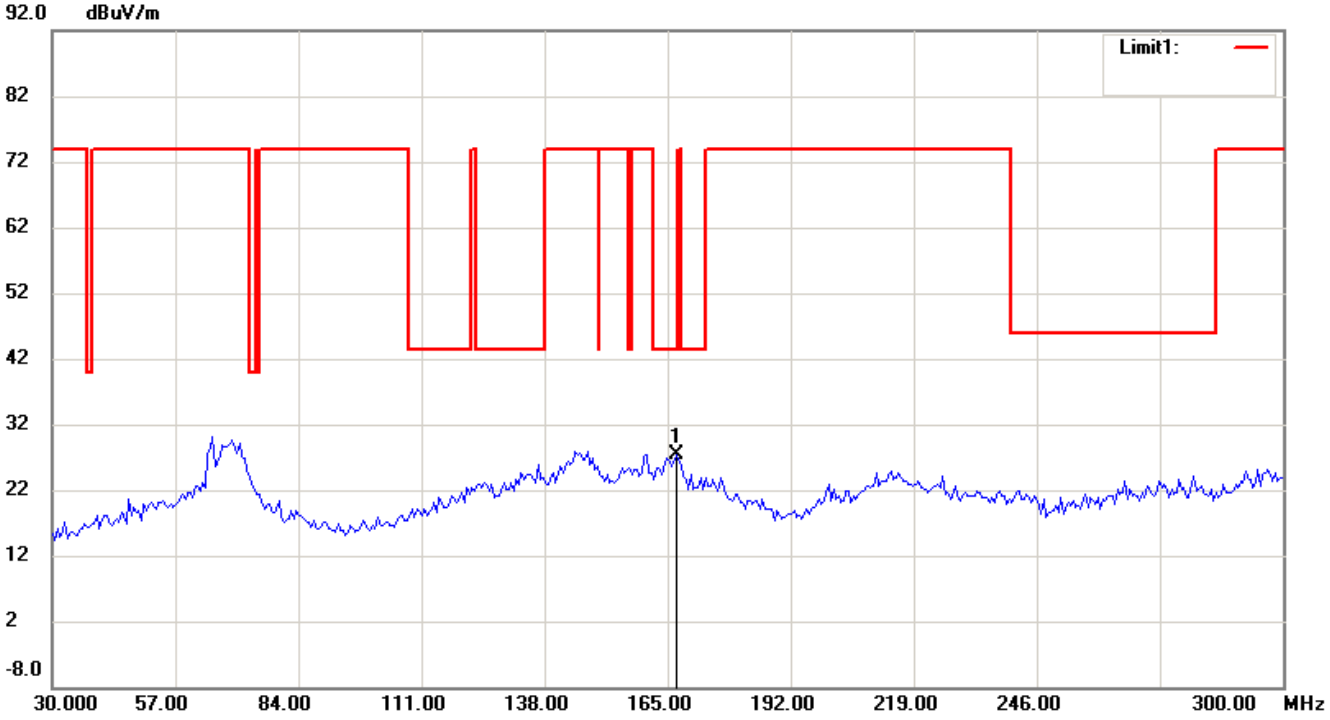
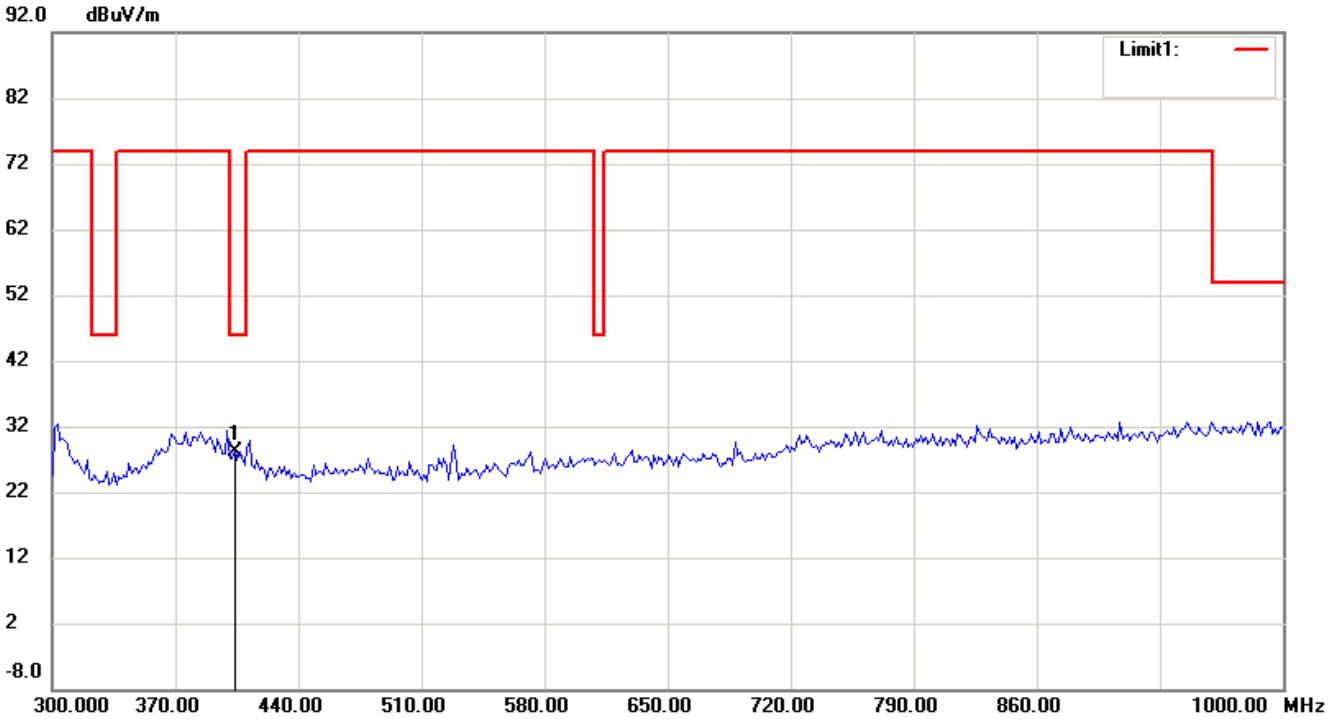
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Channel 6
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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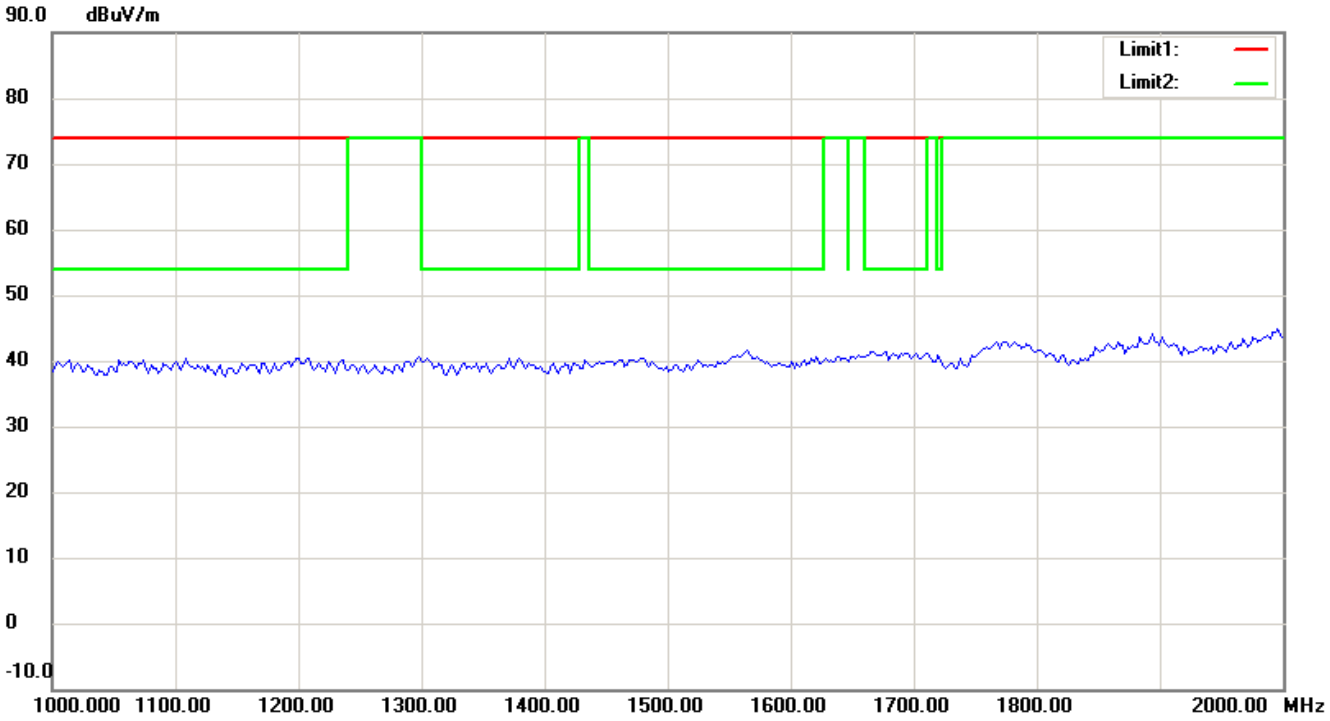
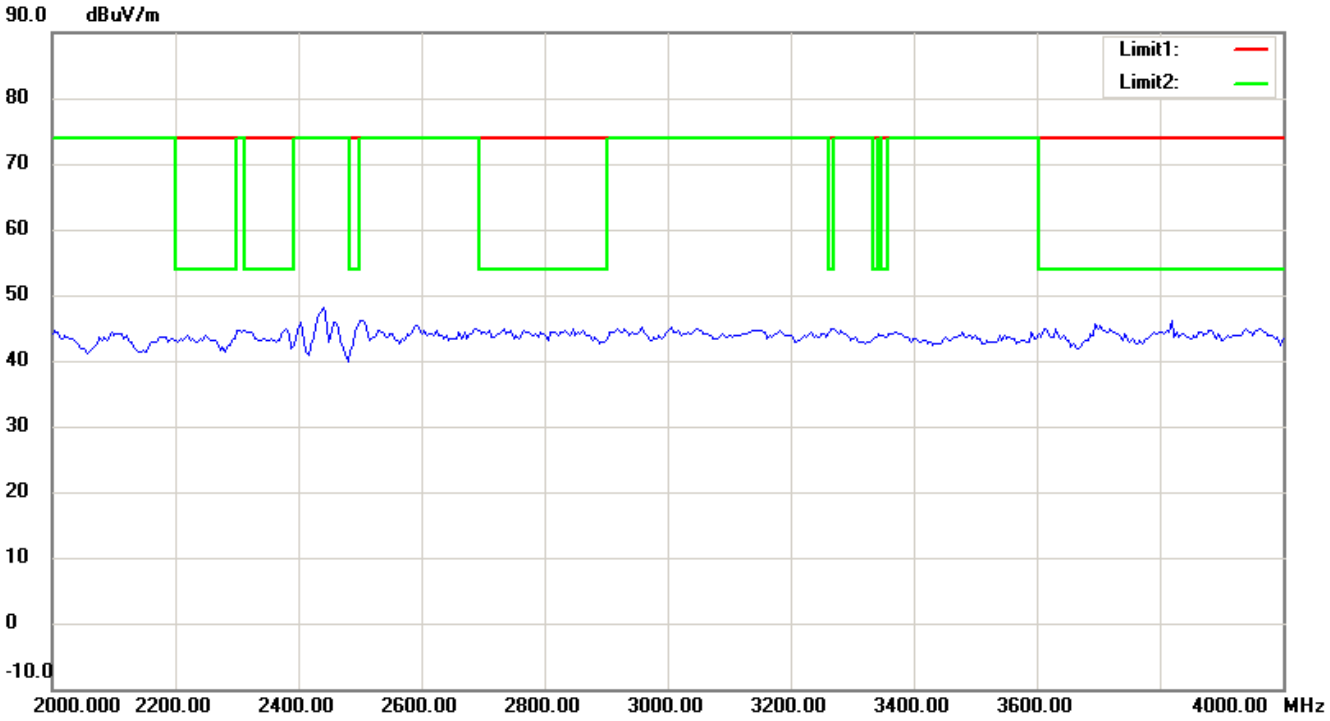
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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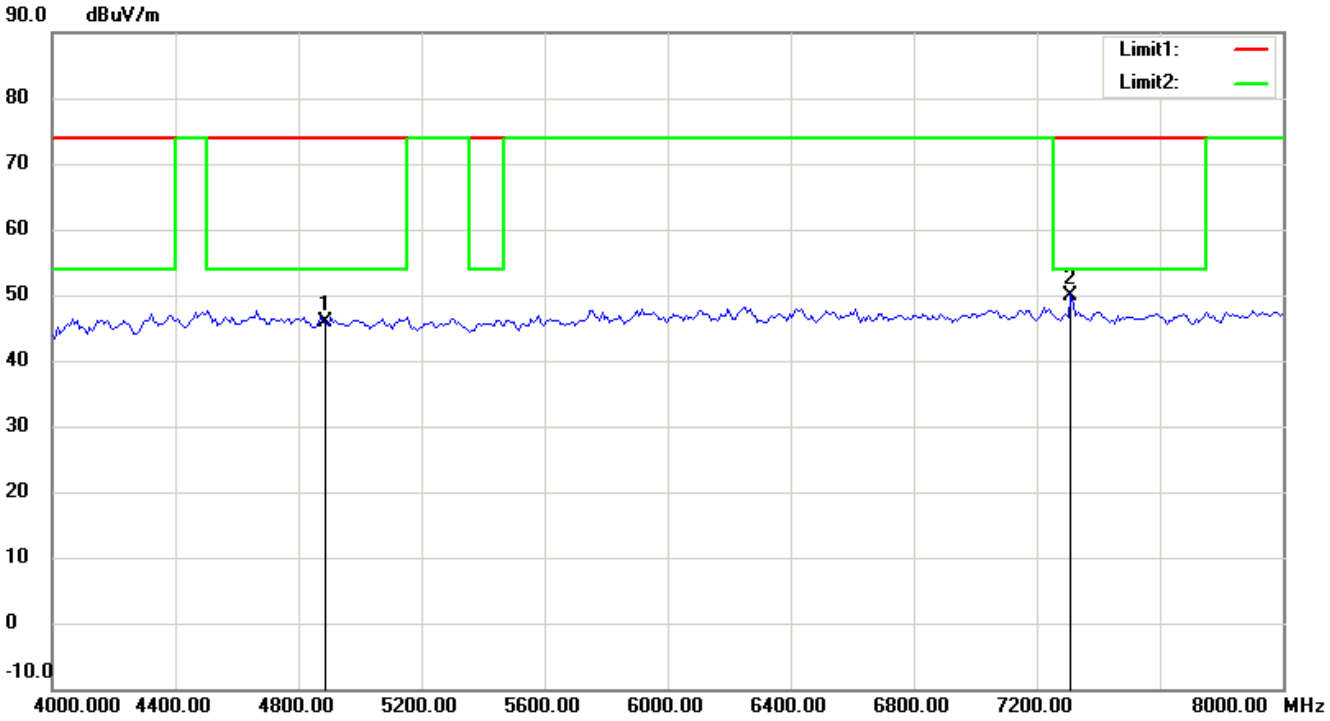
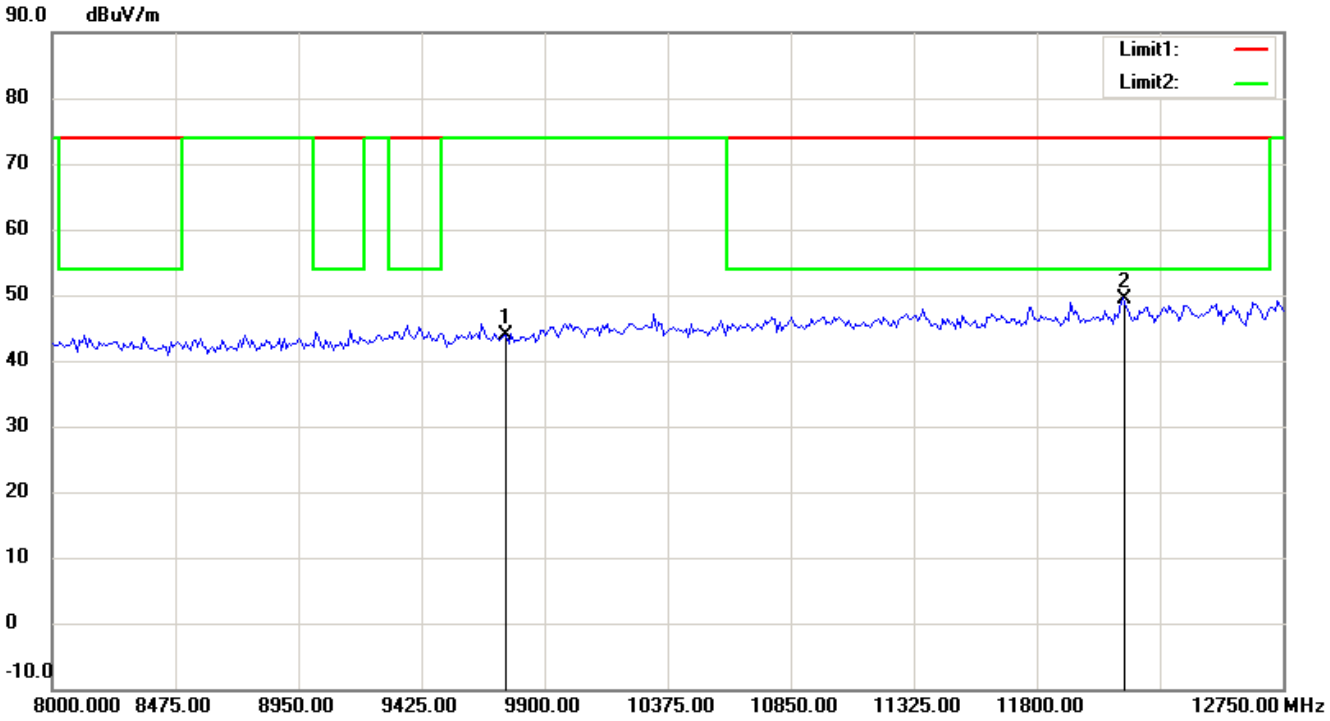
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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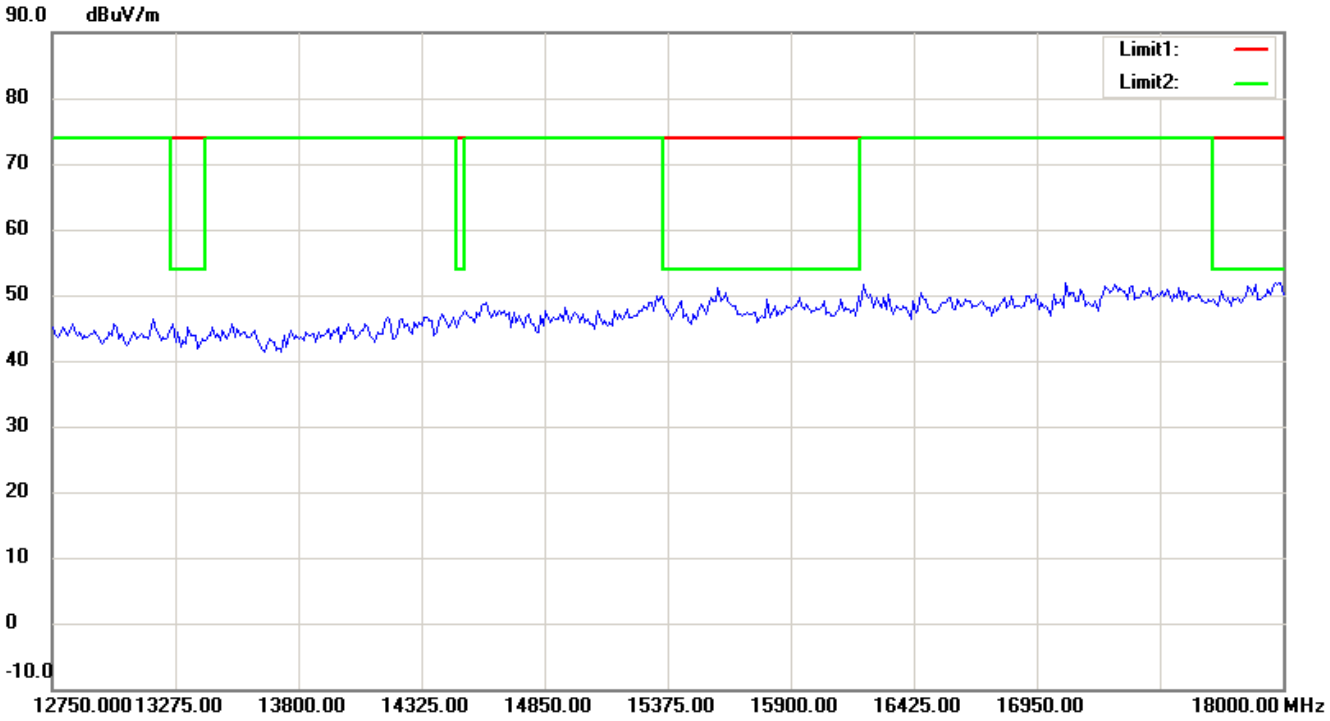
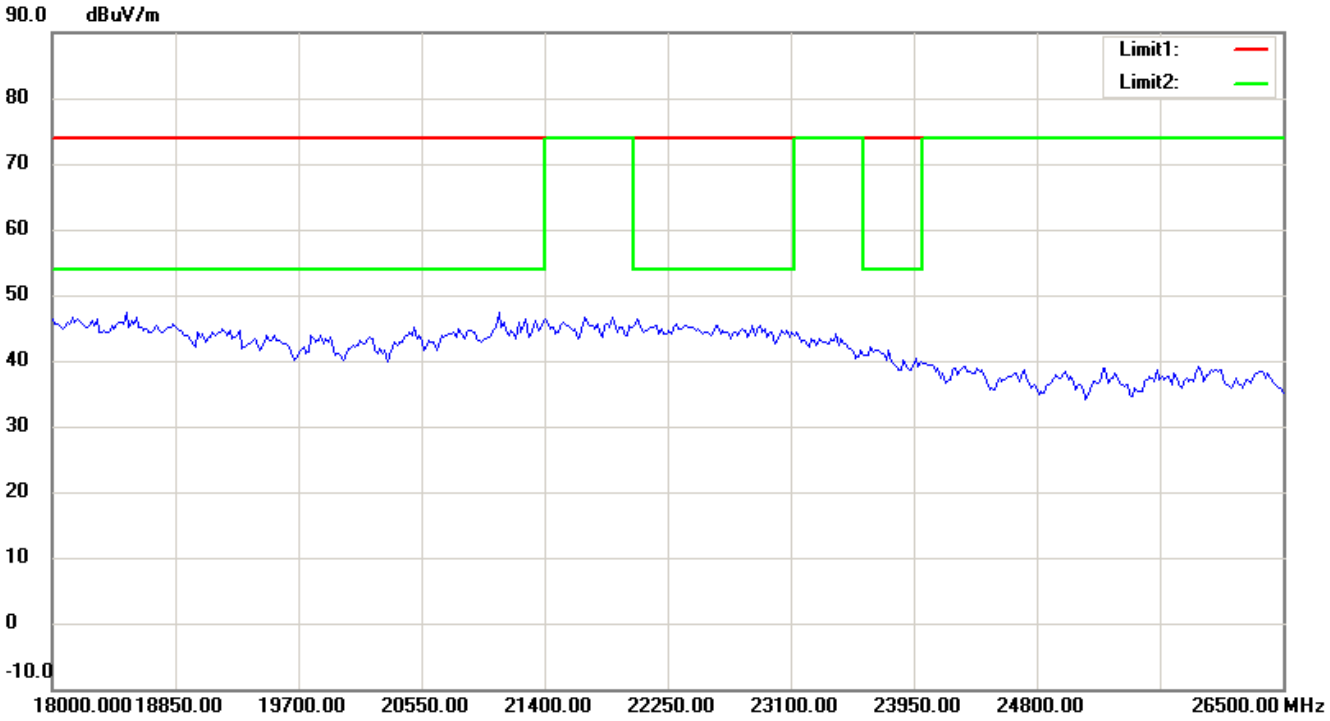
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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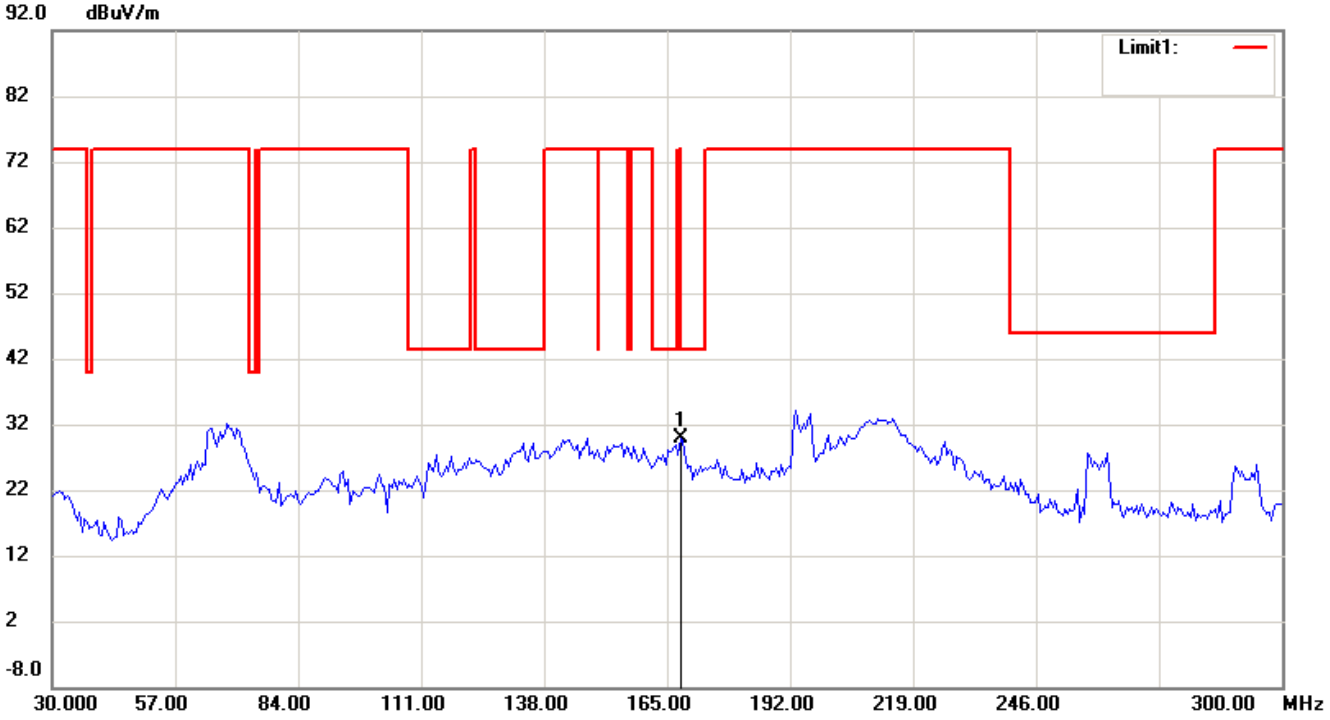
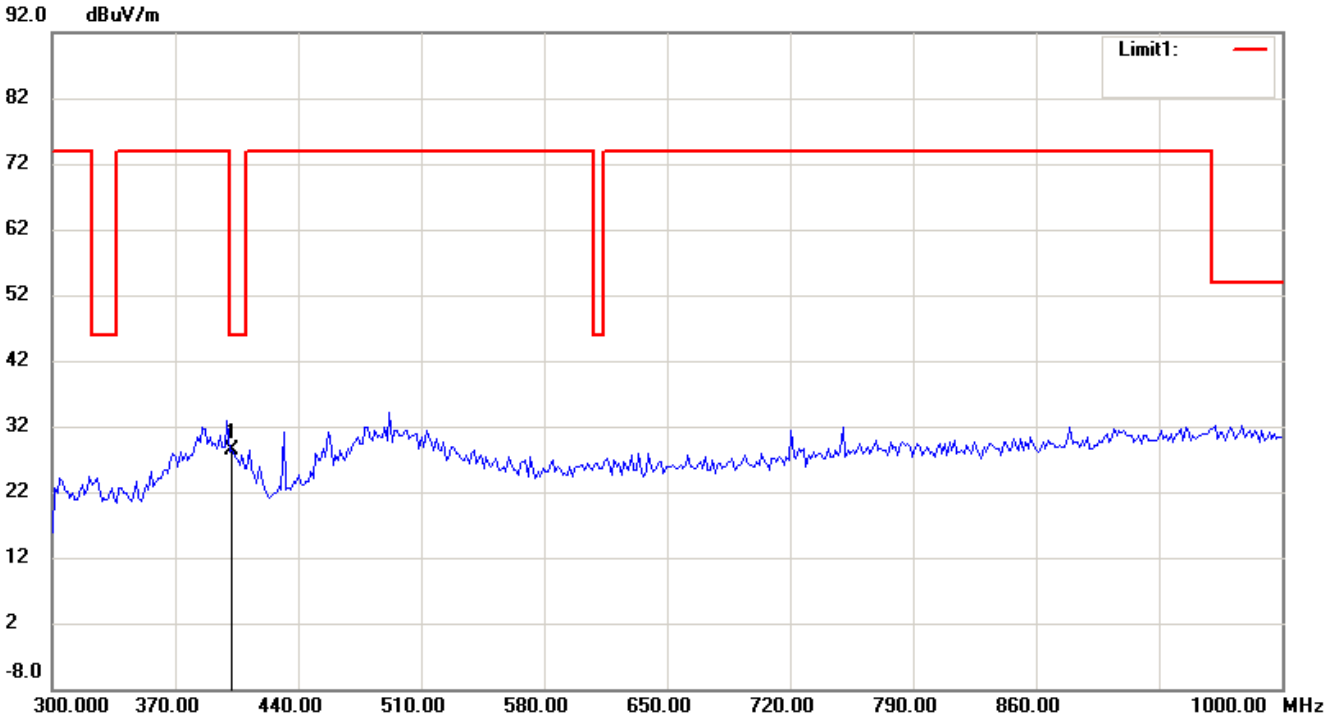
Antenna Polarization V





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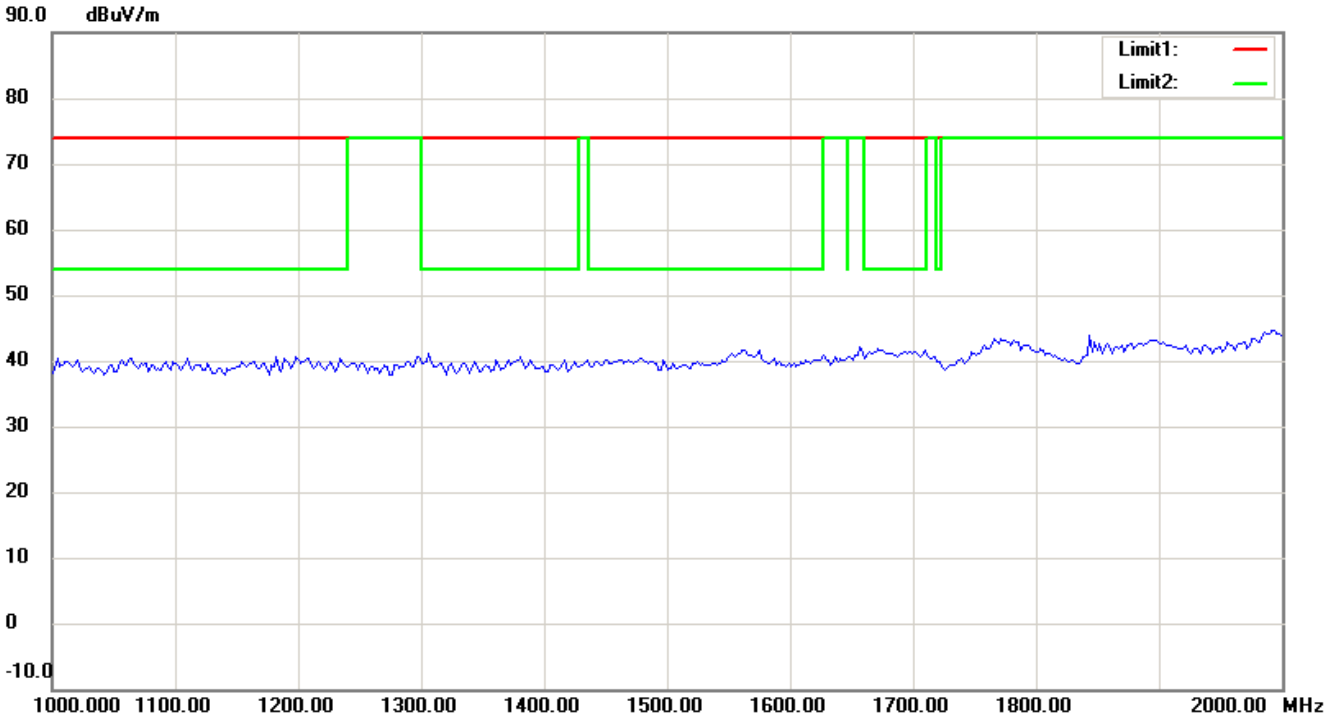
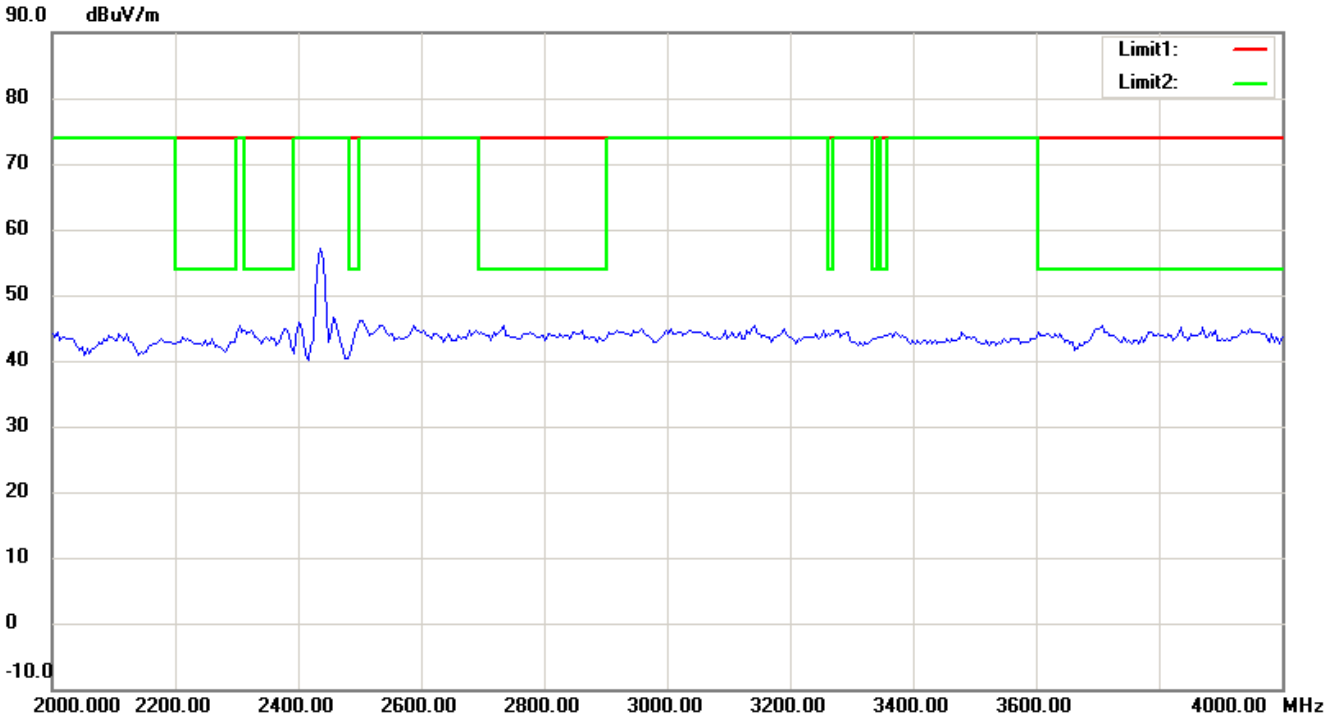
2 The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3 For corrected test results are listed in the relevant table of radiated test data of this test report.

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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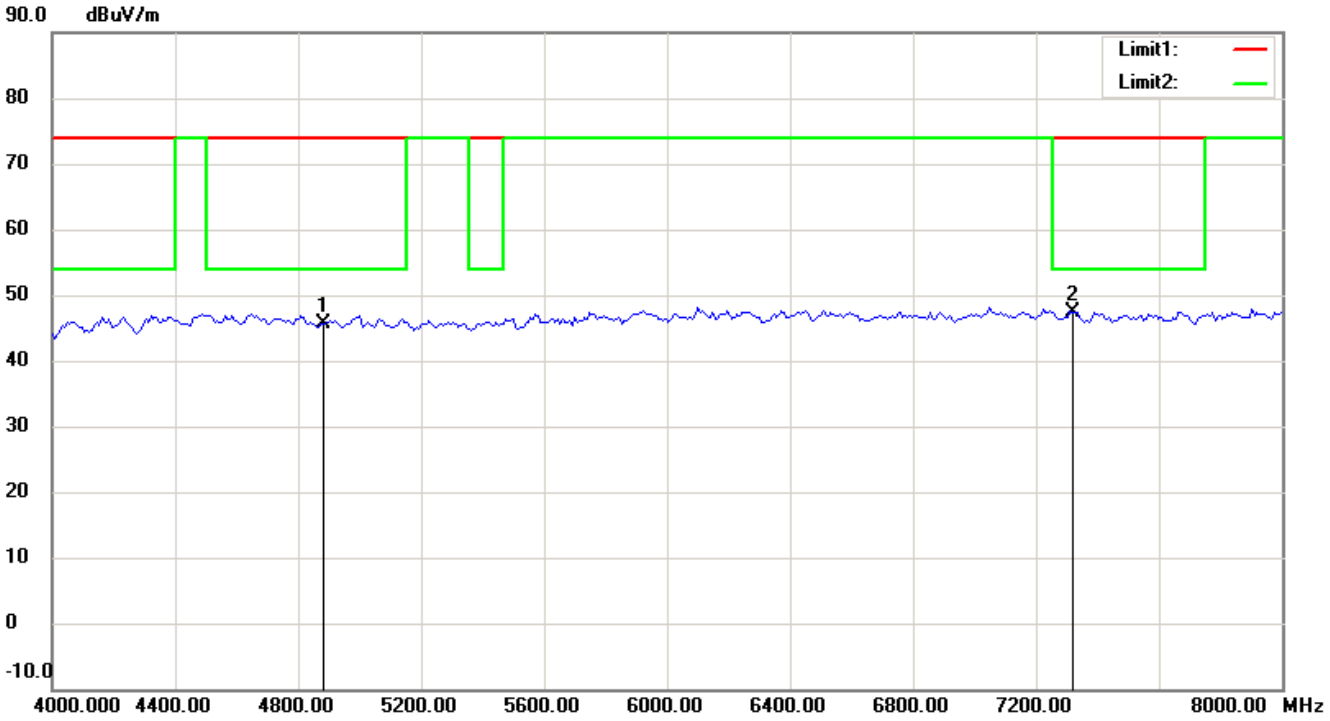
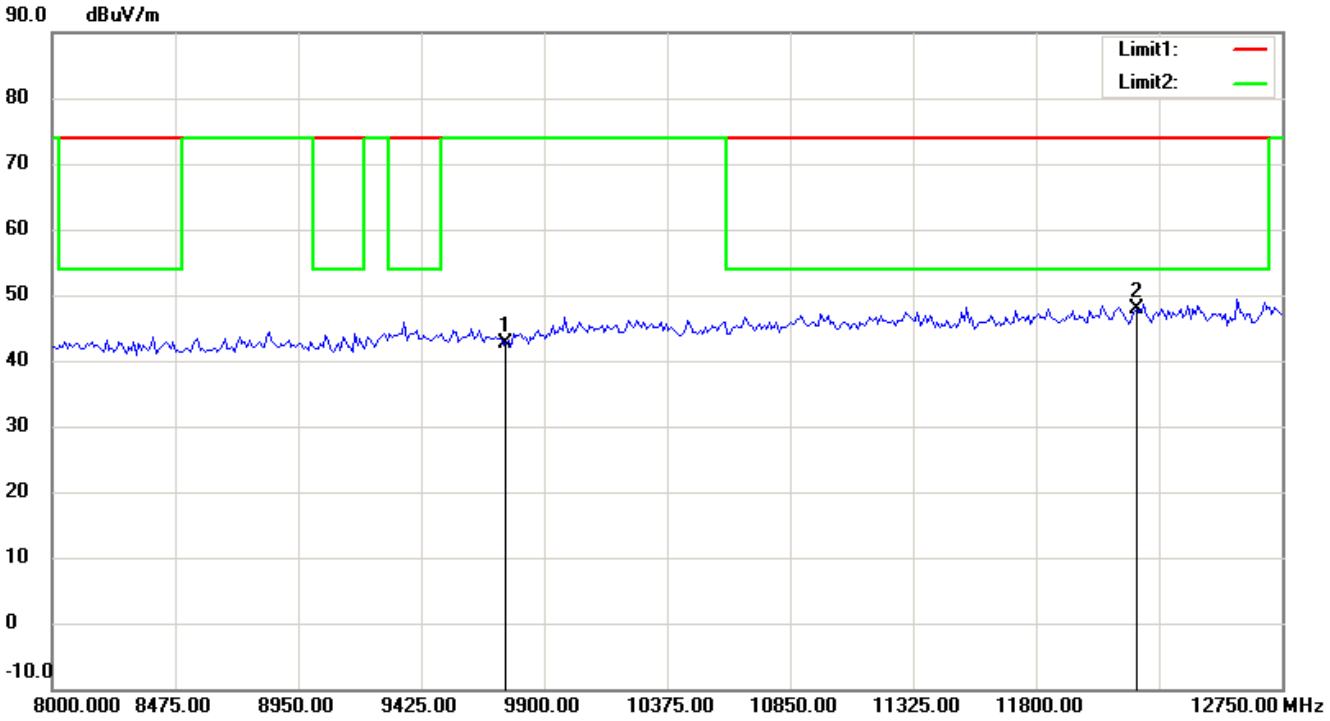
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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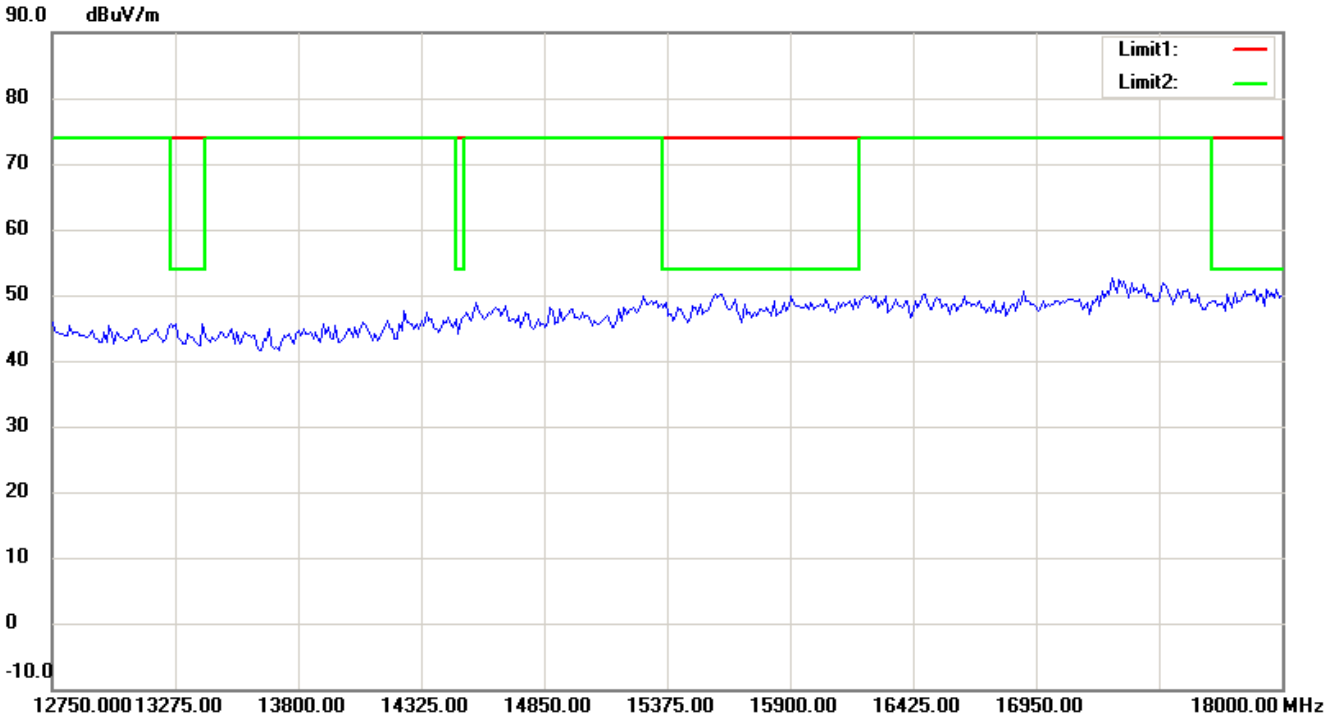
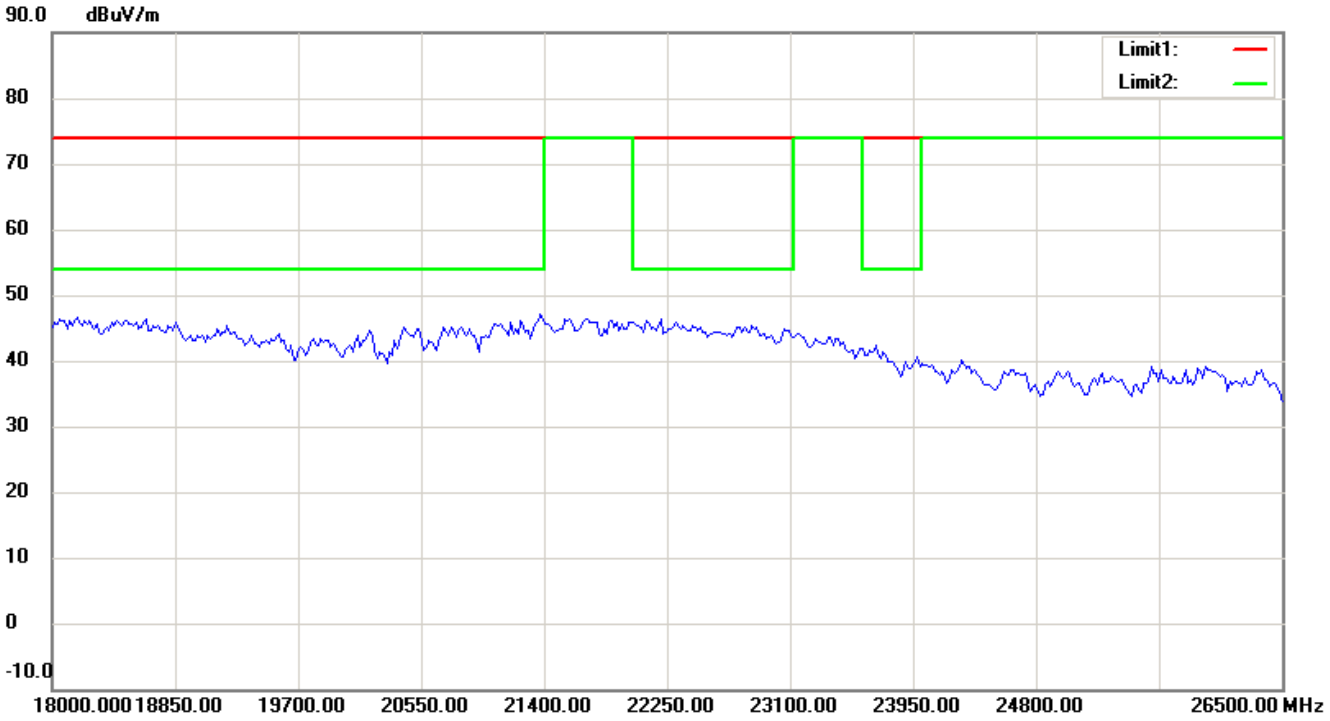
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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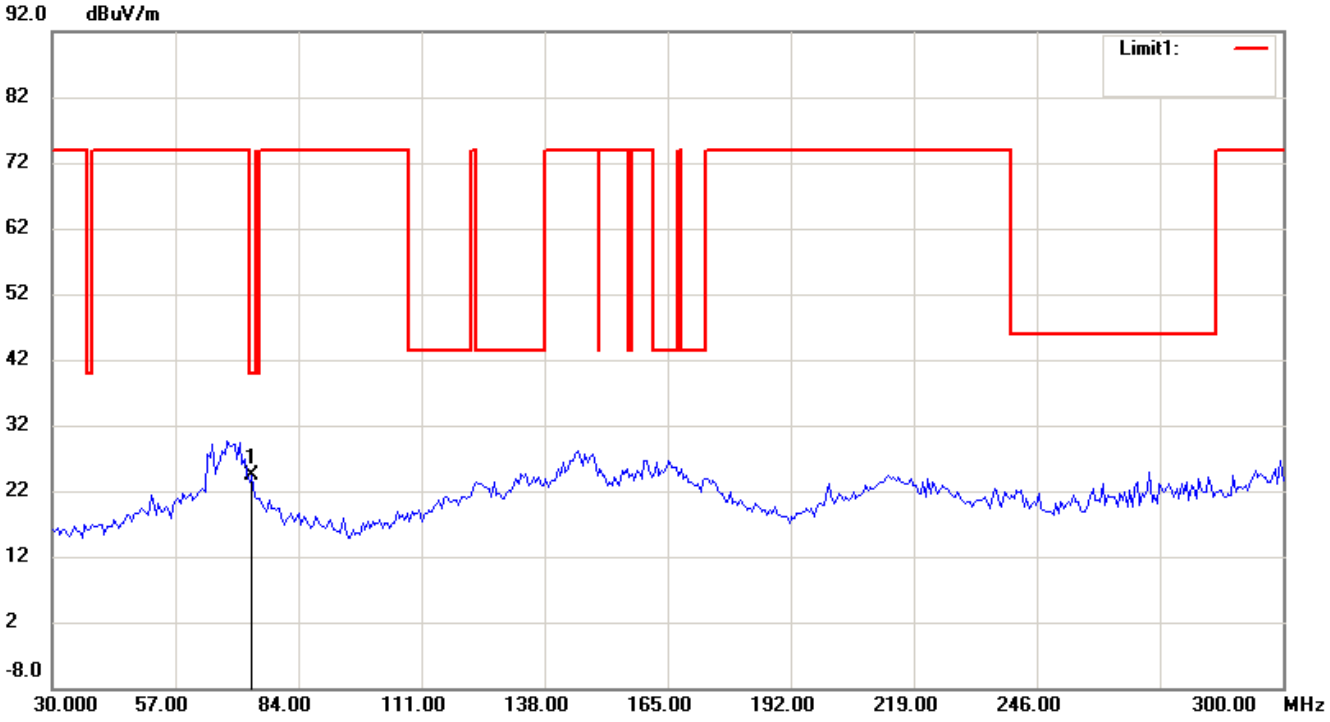
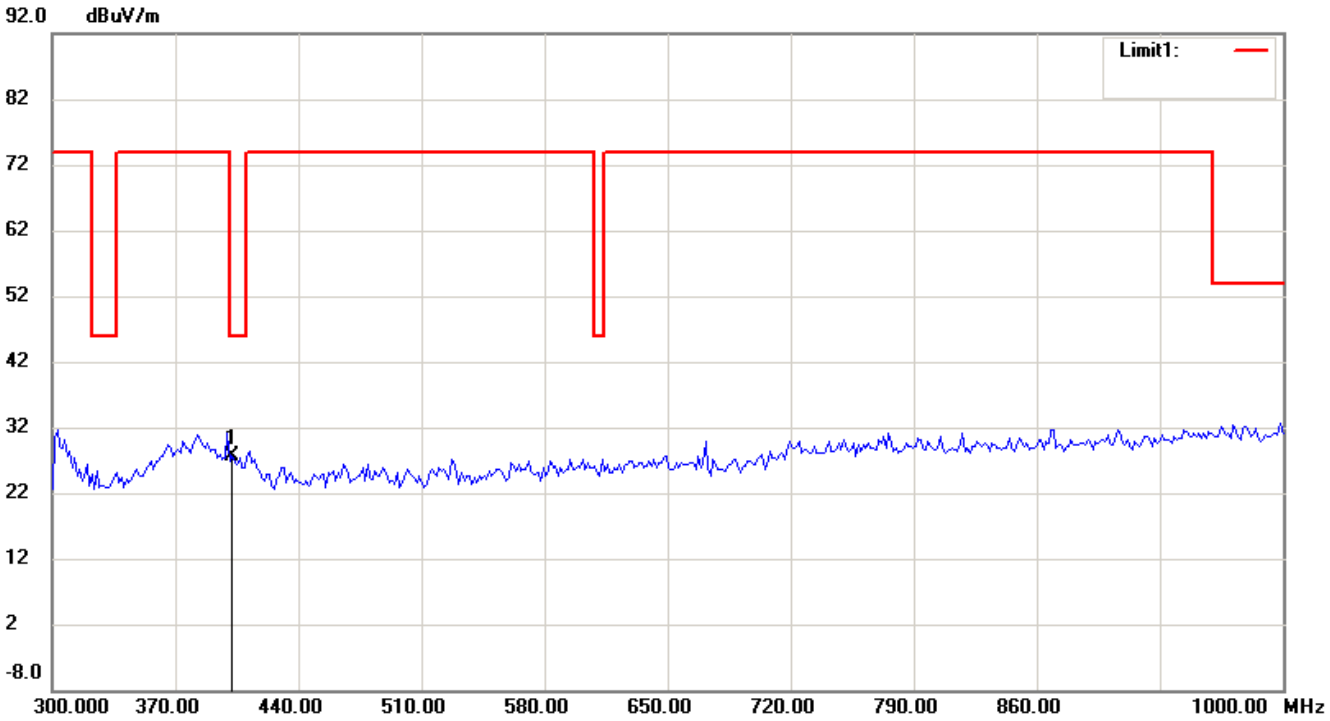
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Channel 11
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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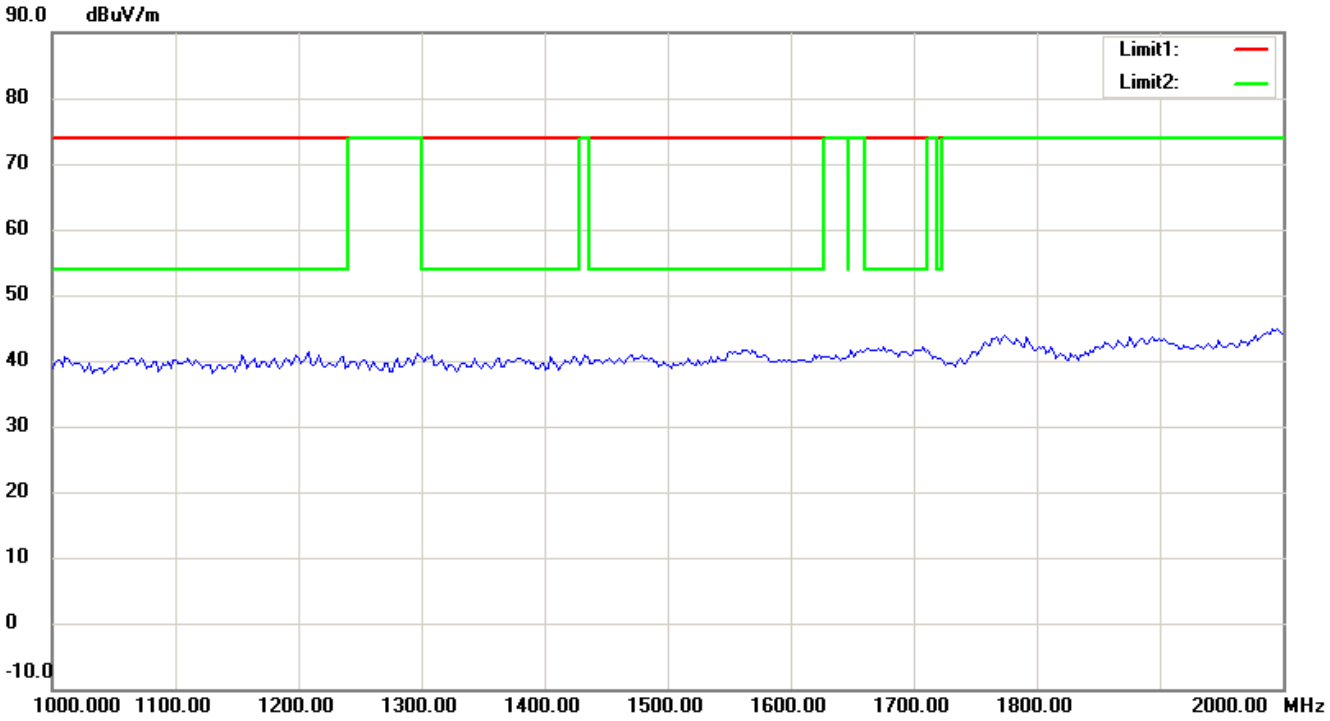
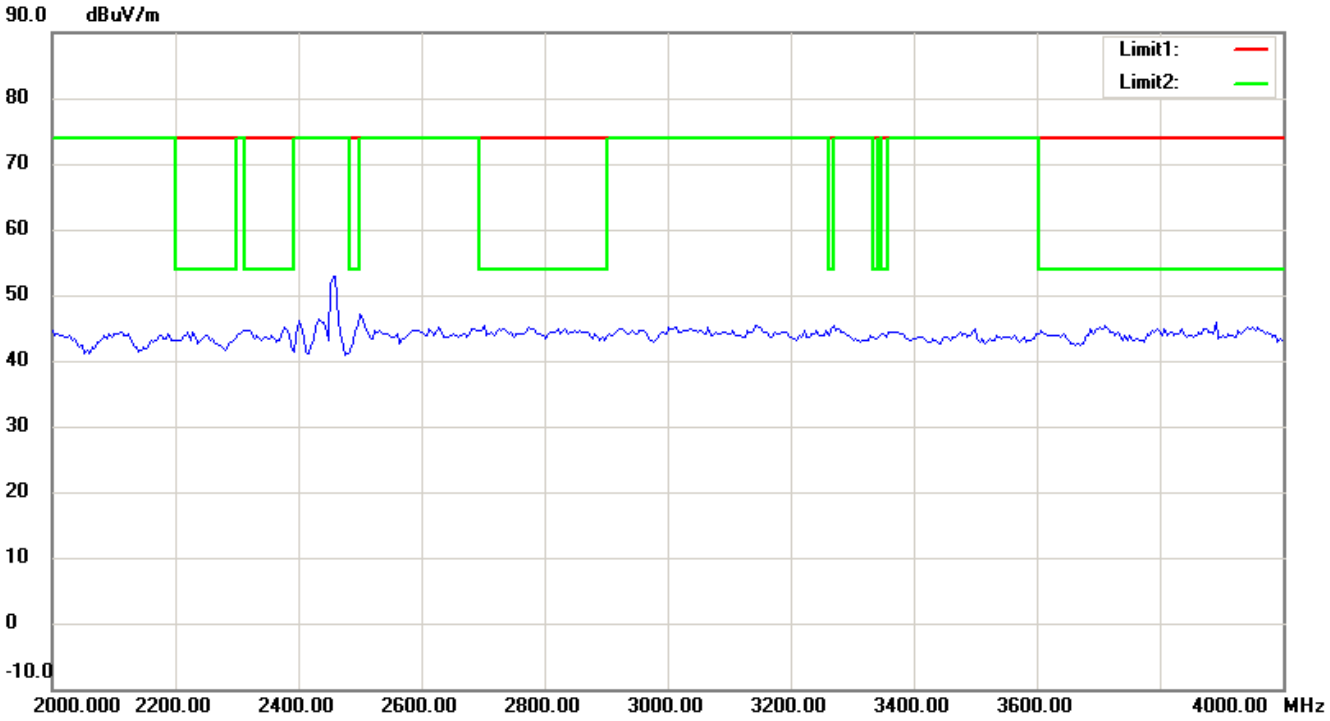
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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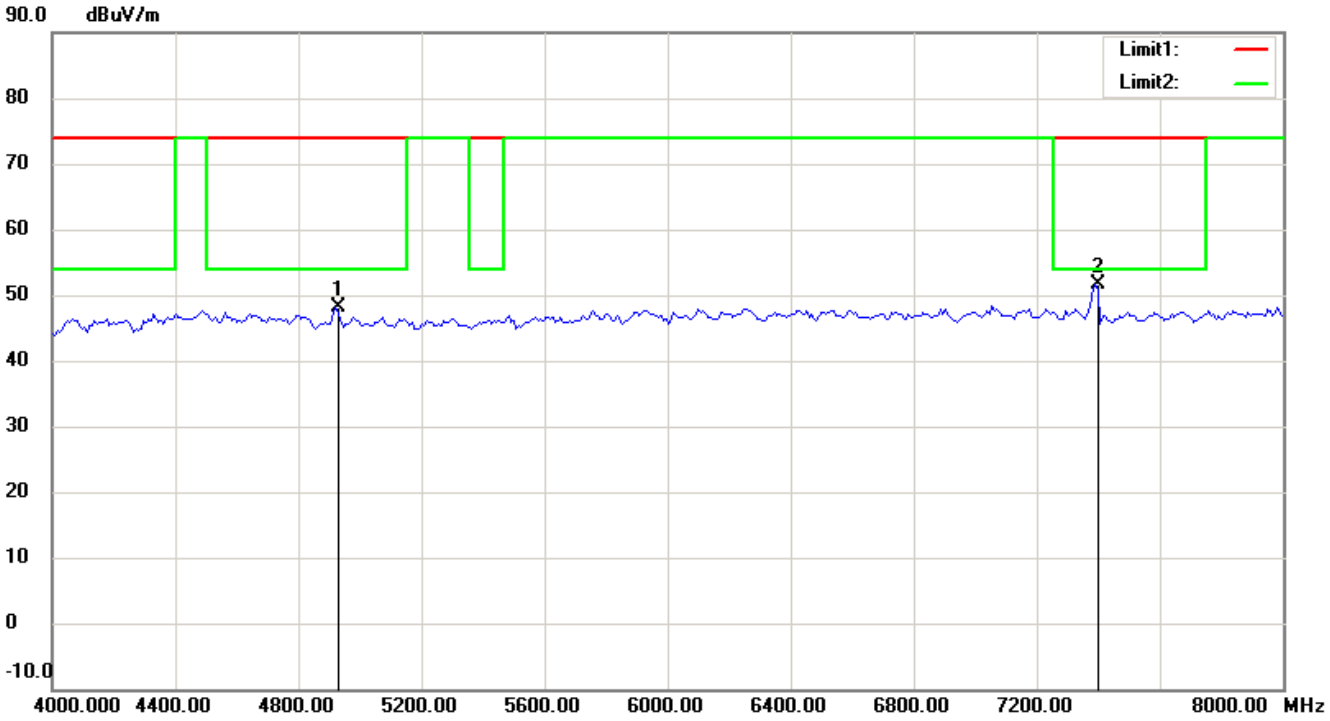
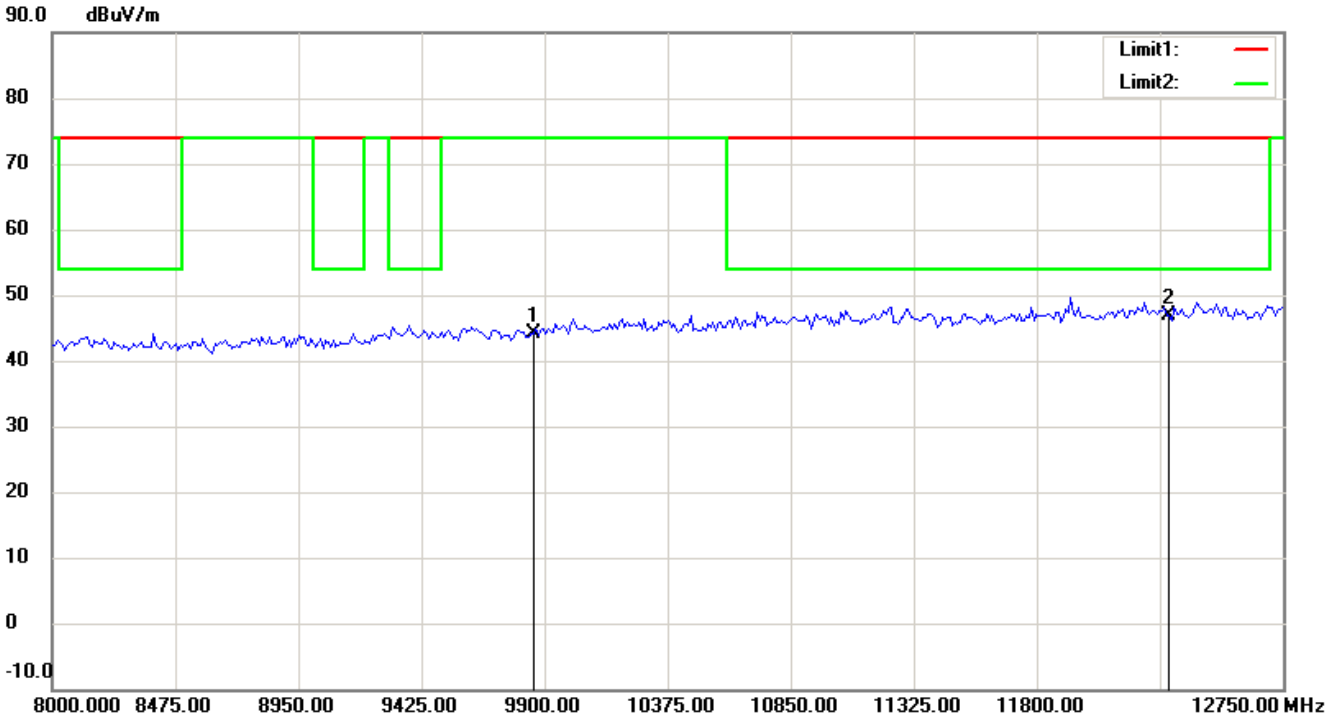
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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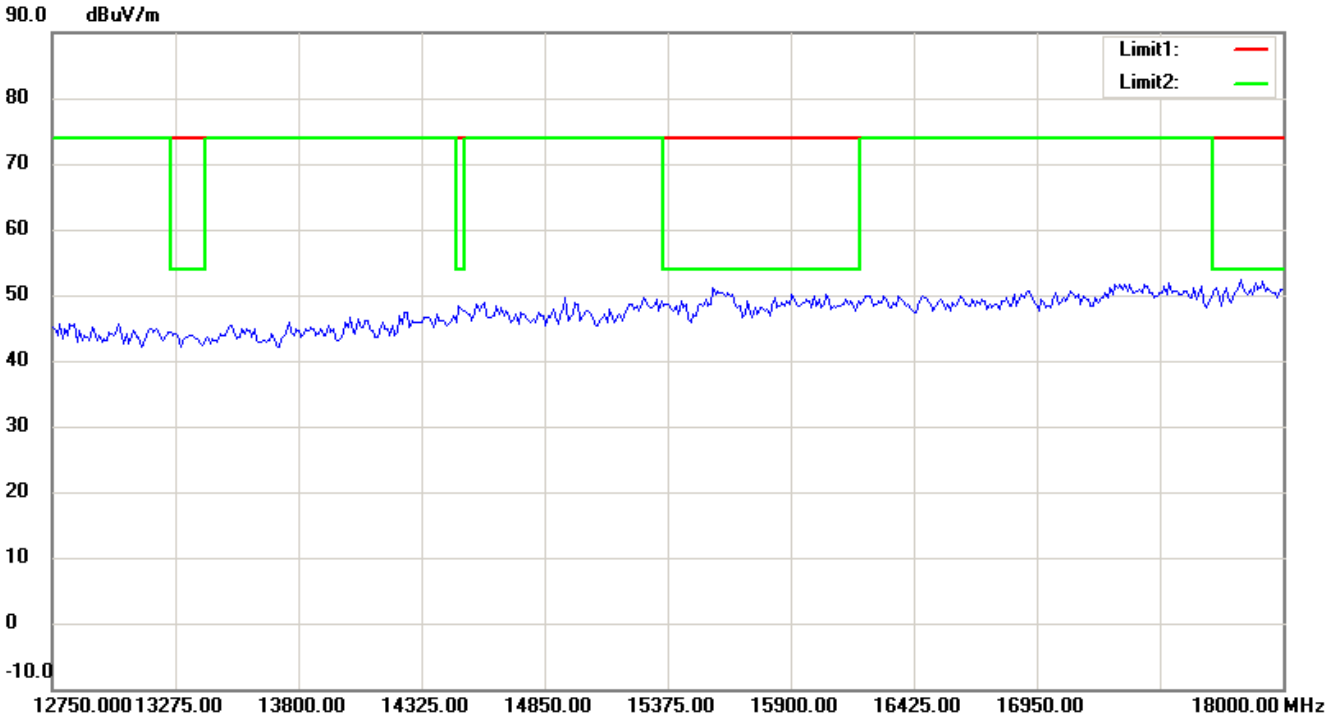
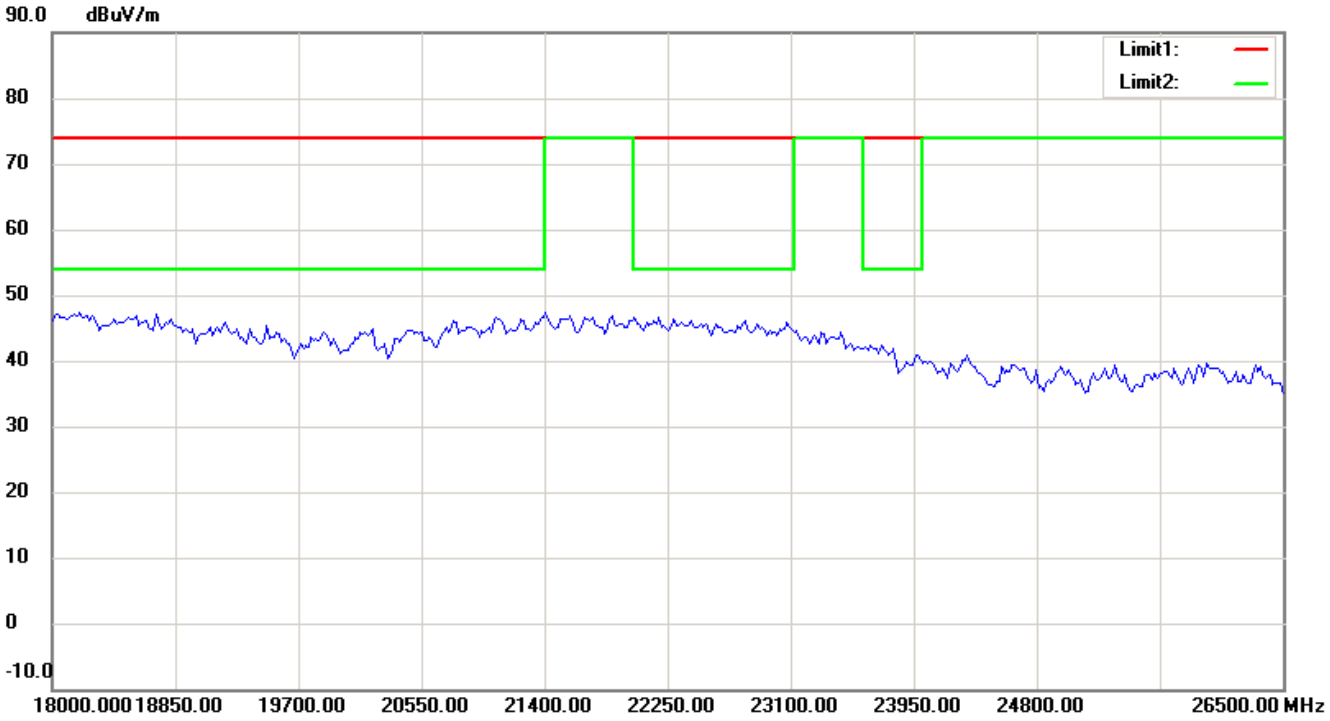
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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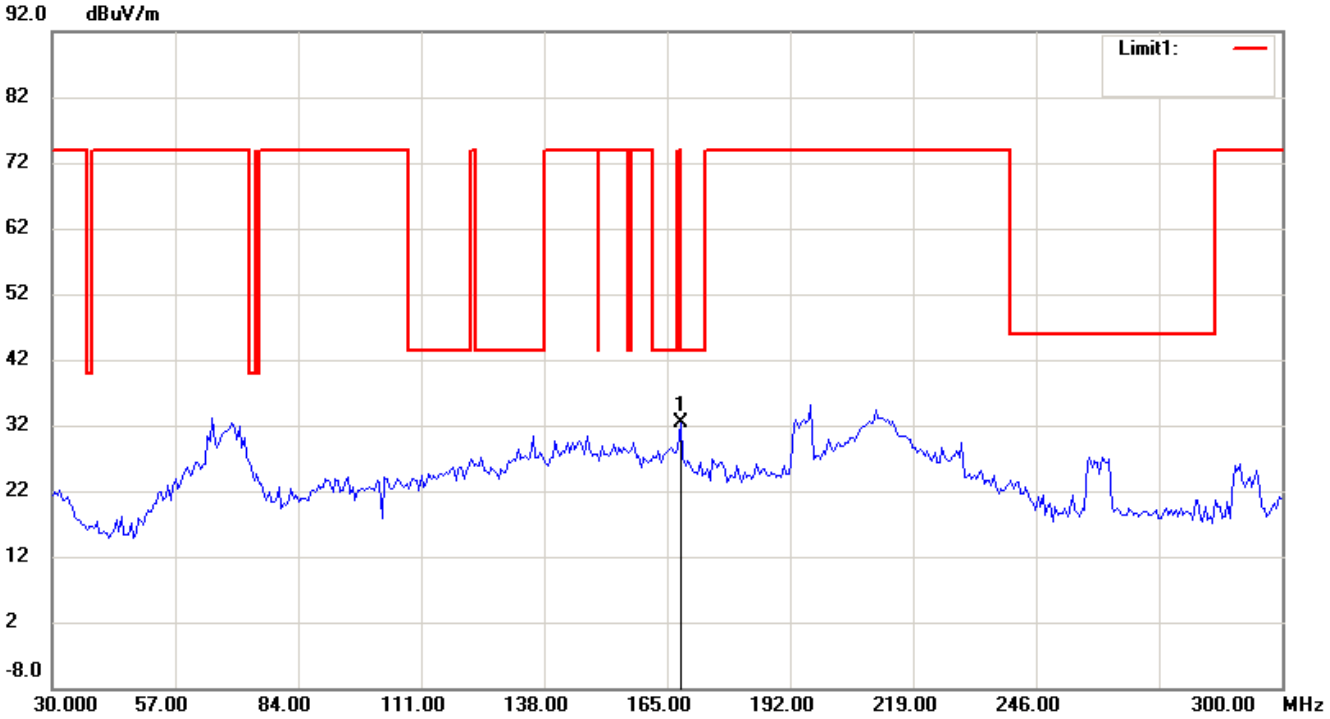
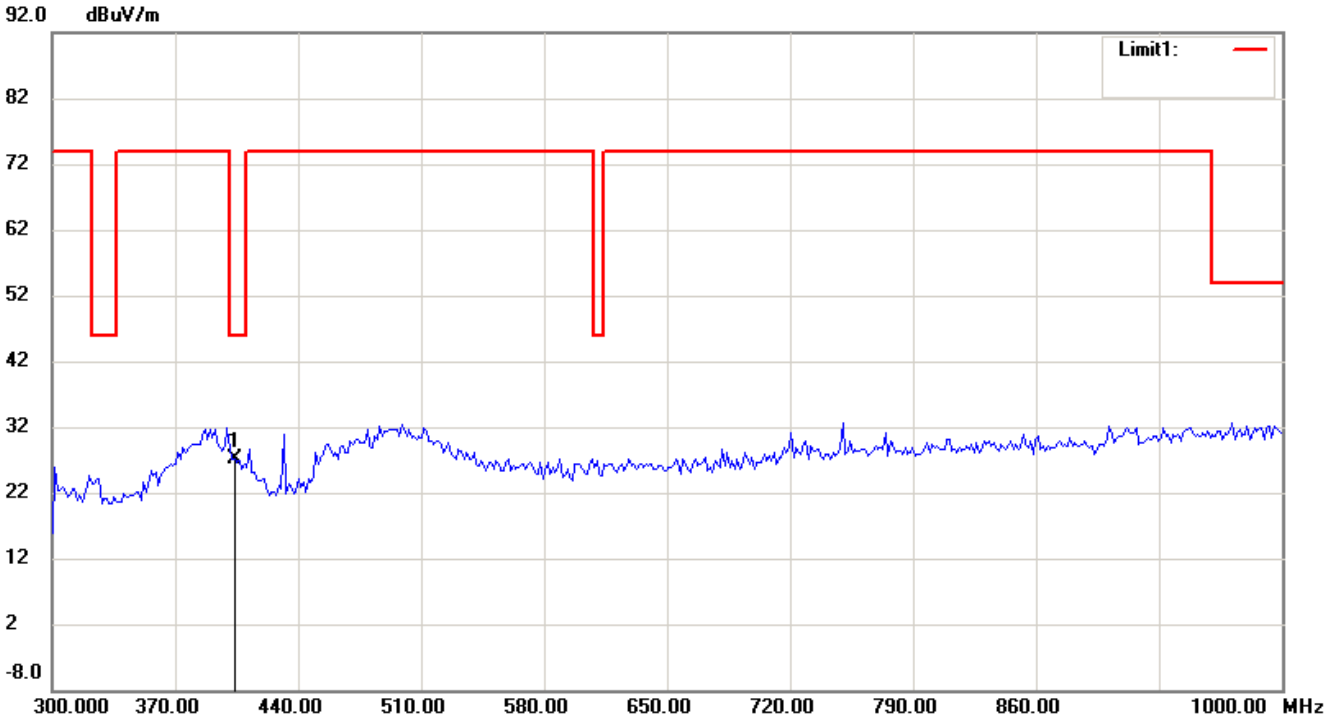
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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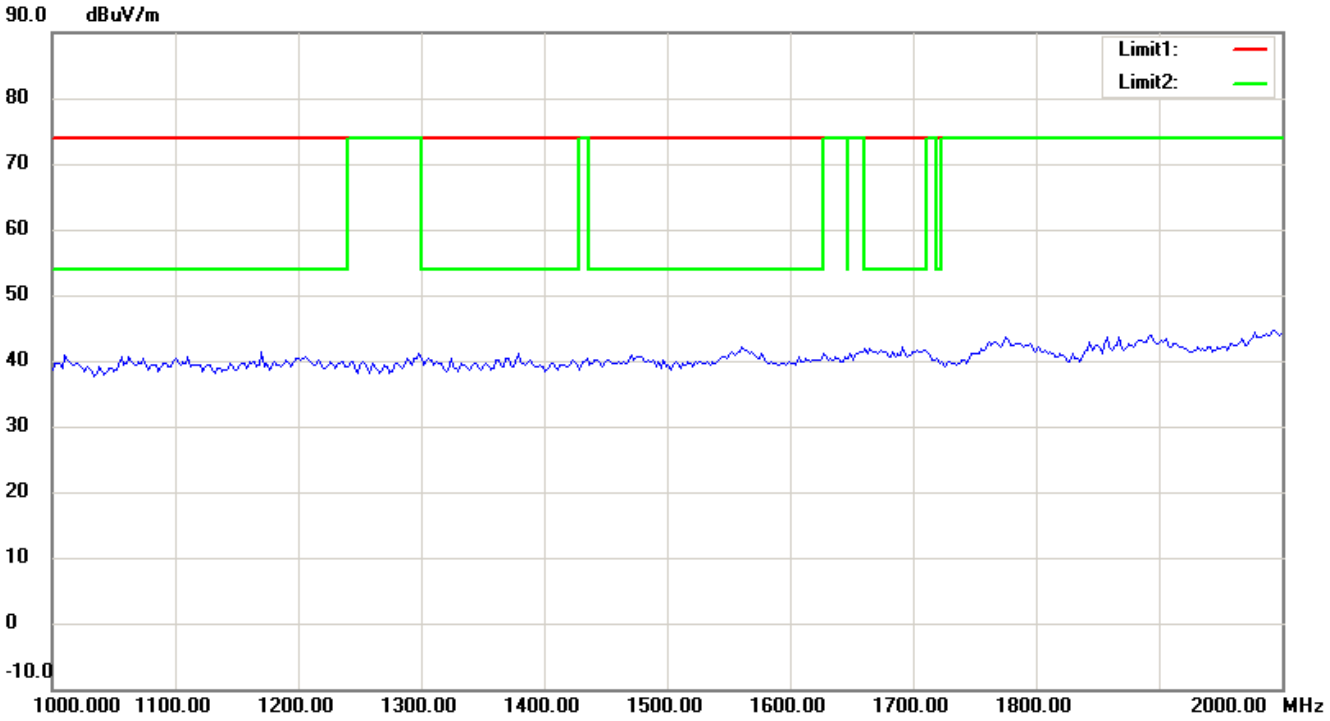
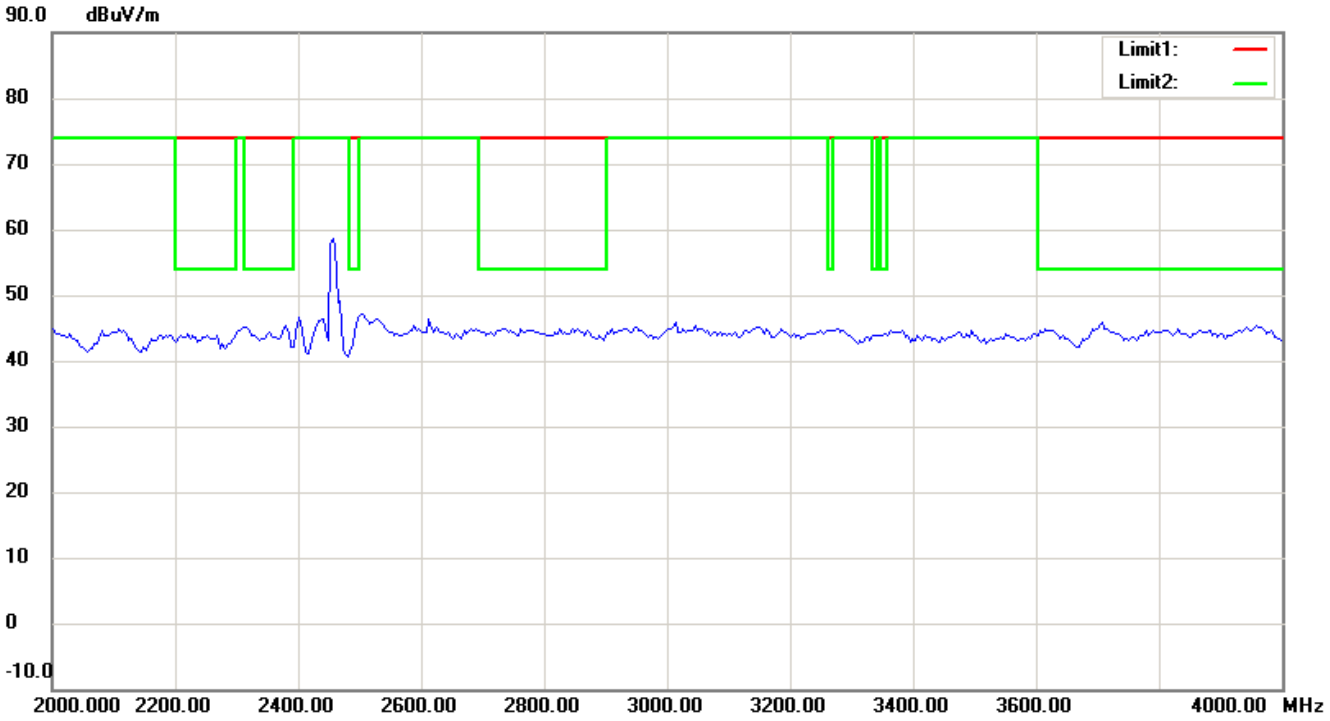
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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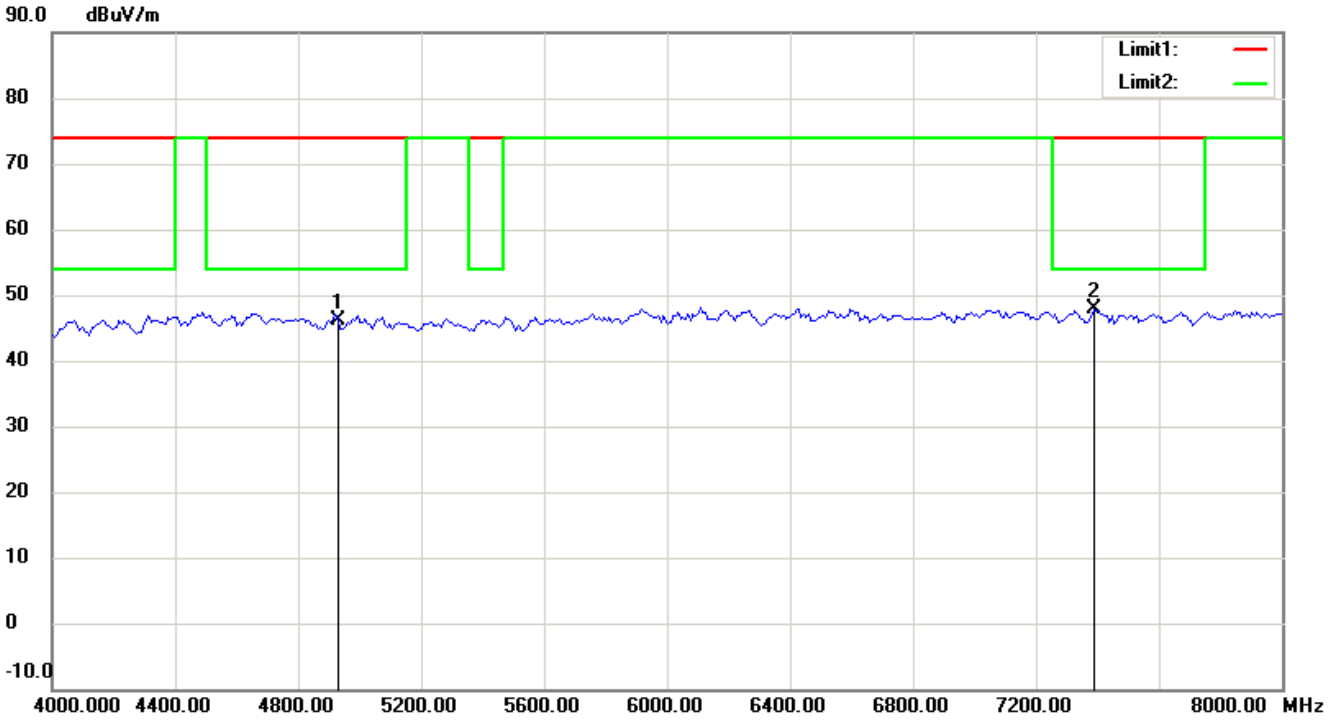
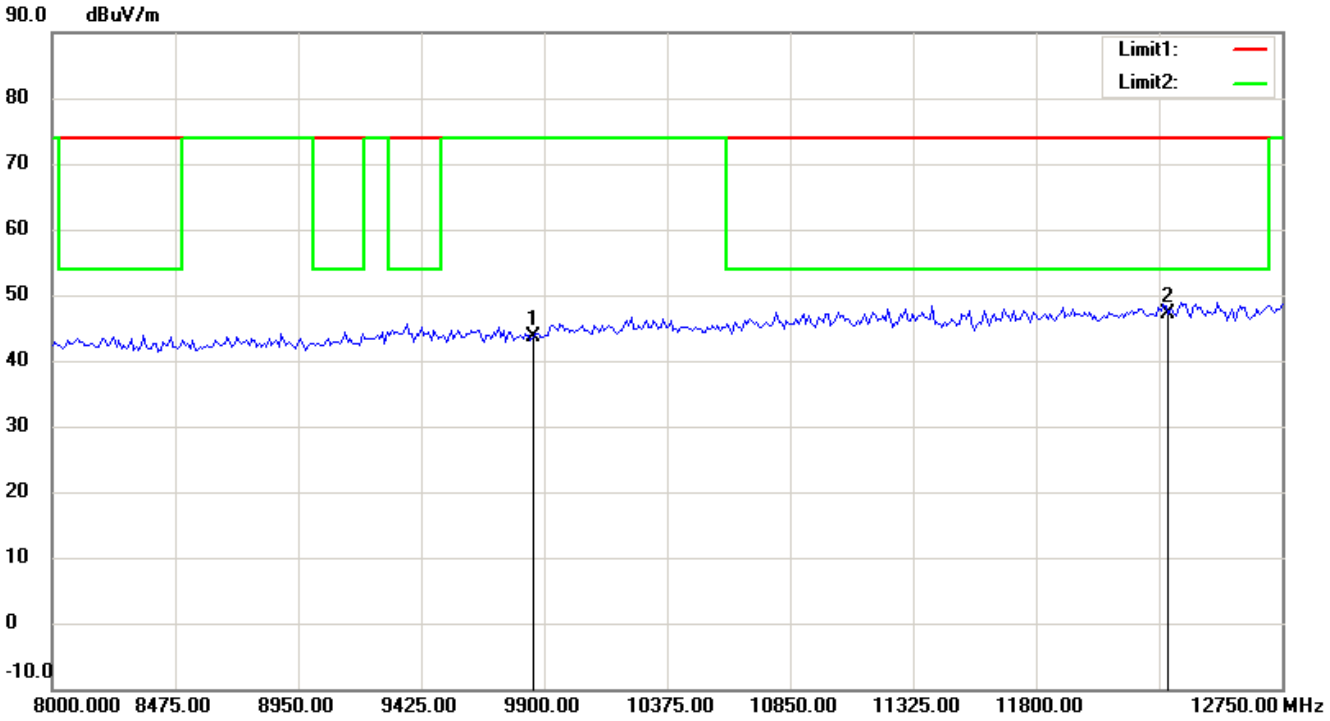
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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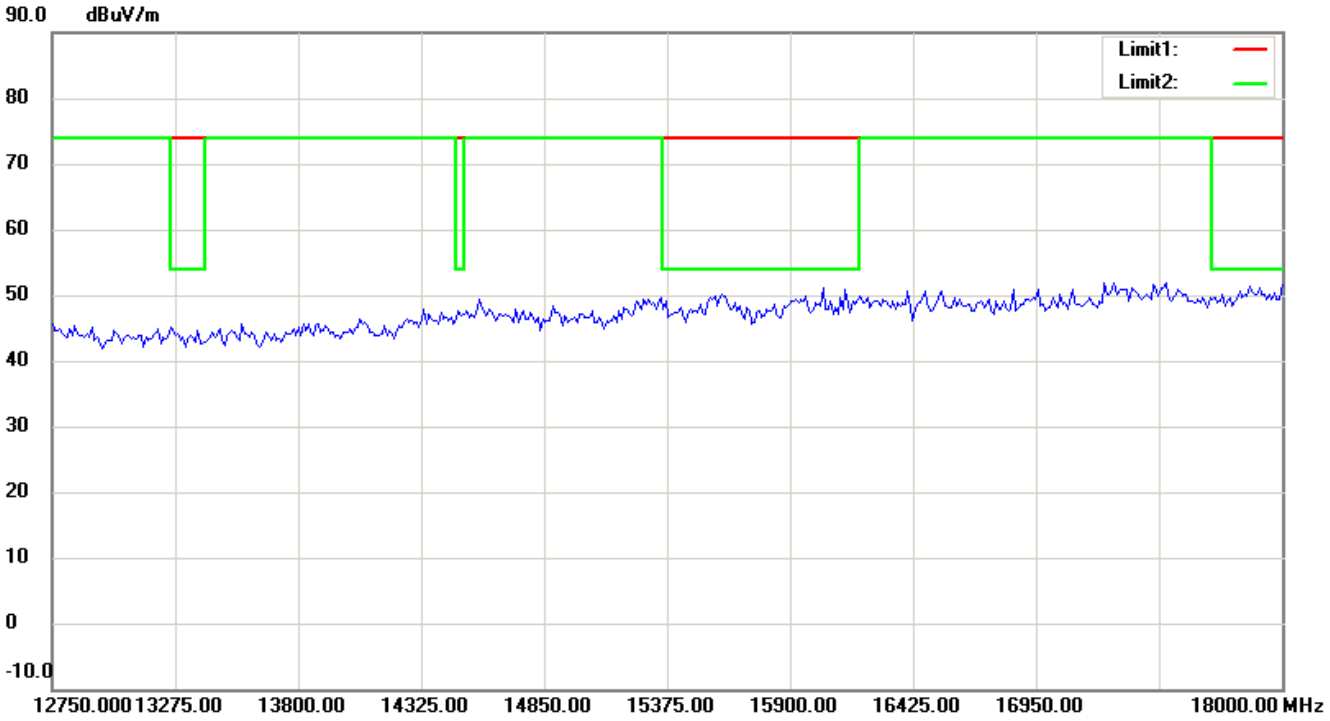
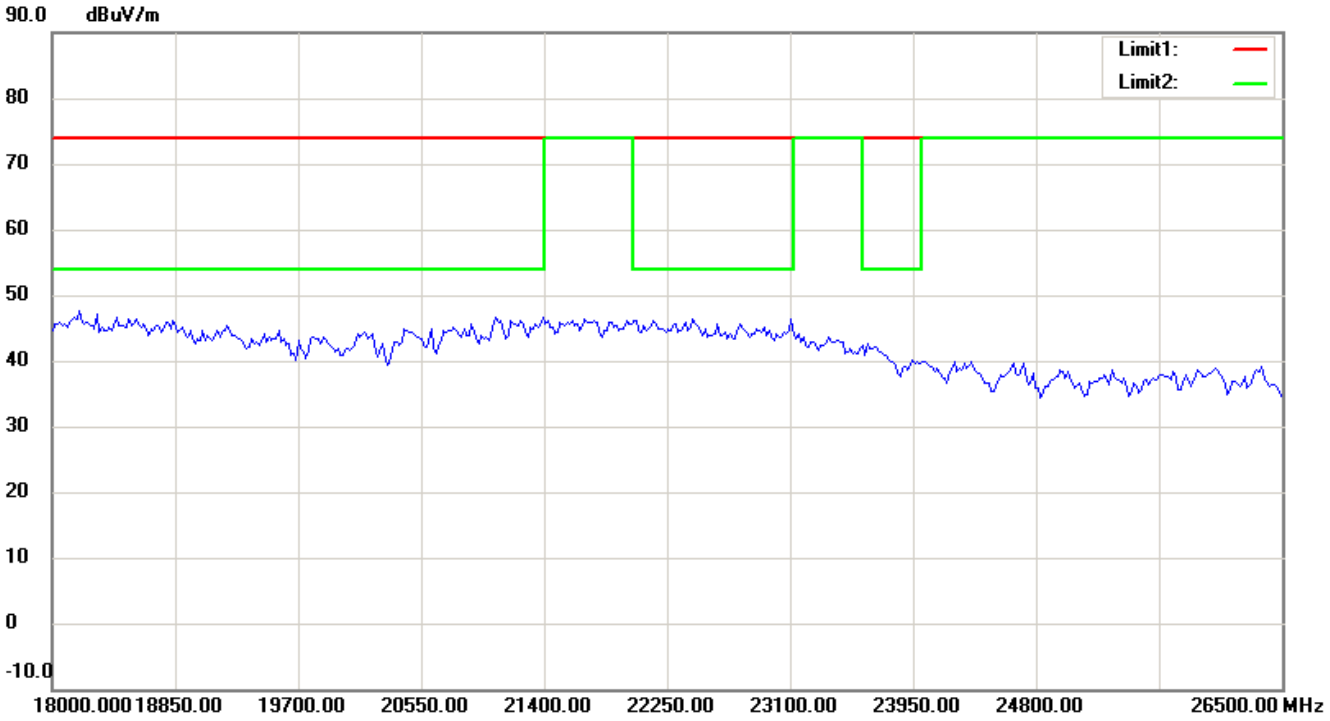
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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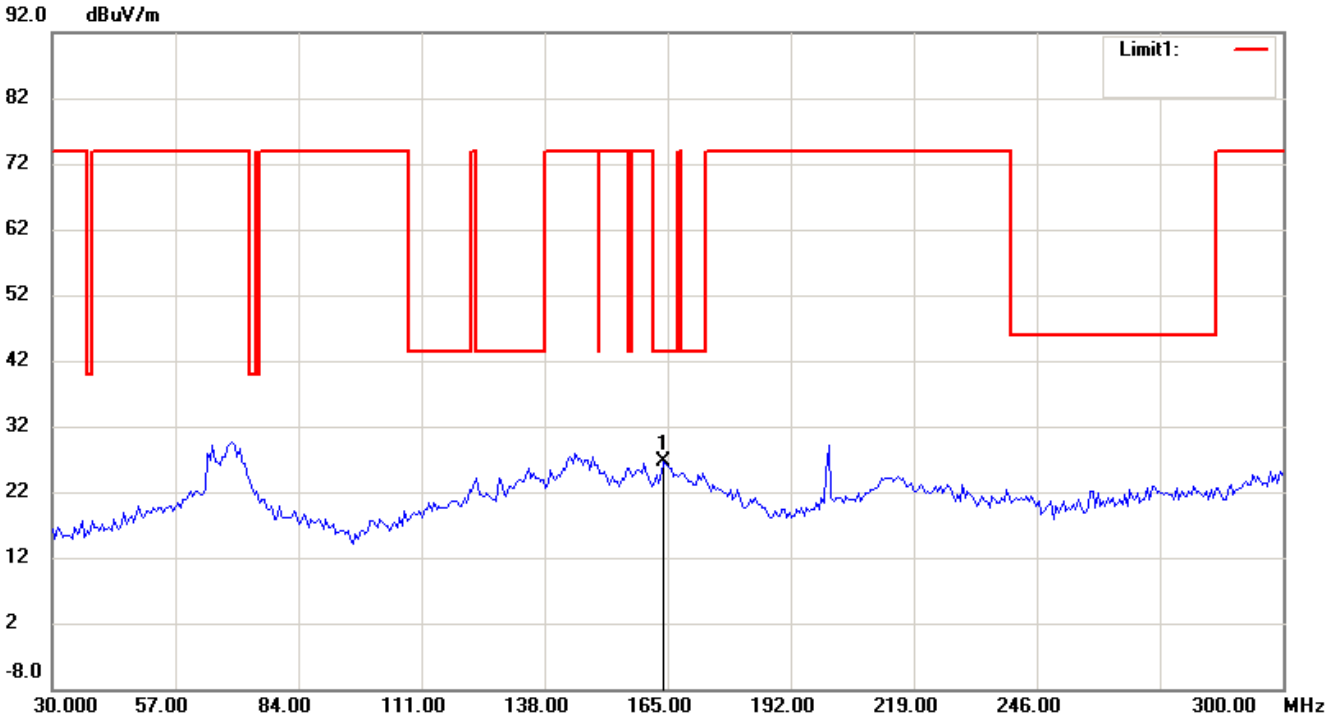
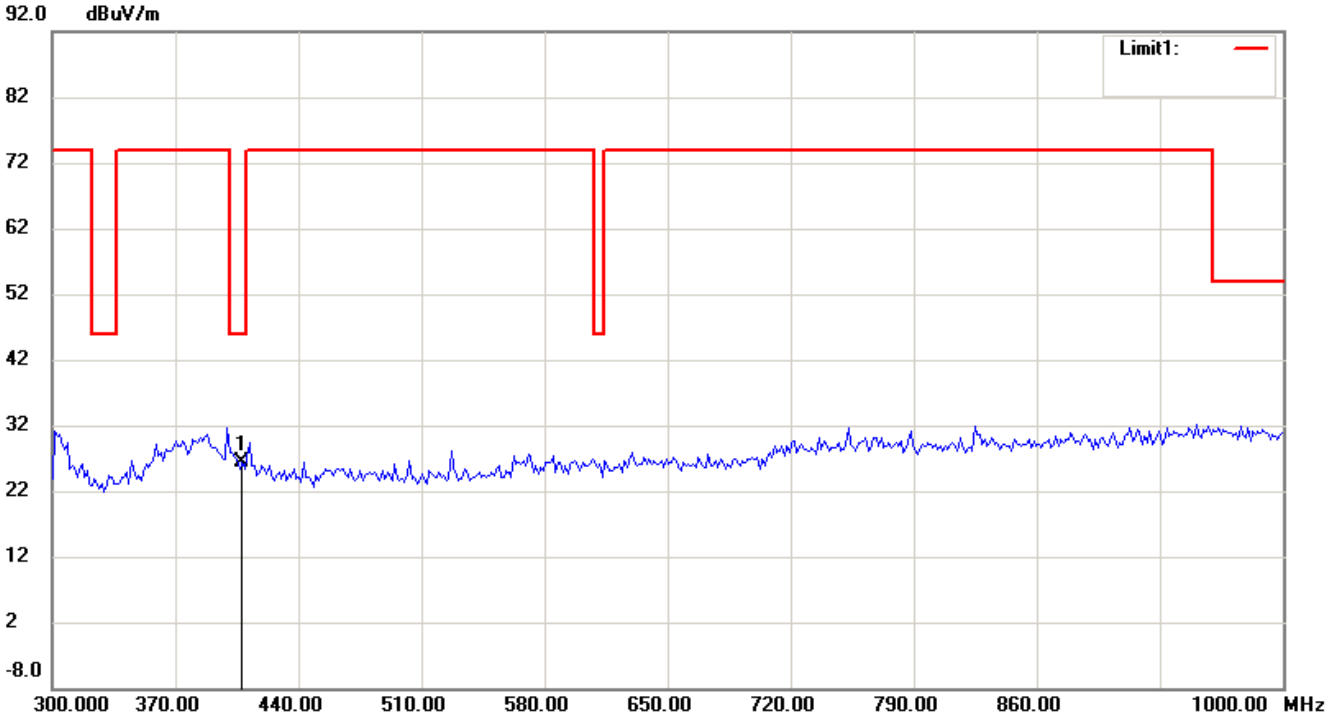
802.11n 40MHz
Channel 1
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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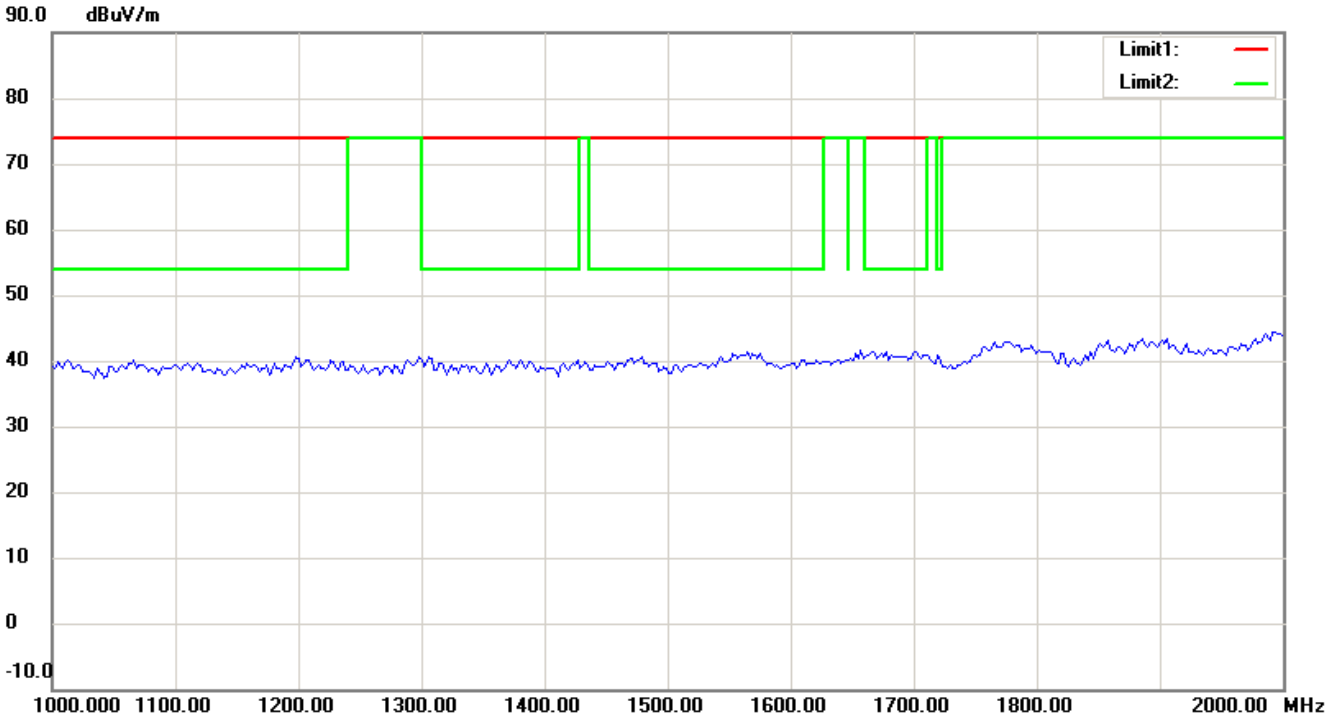
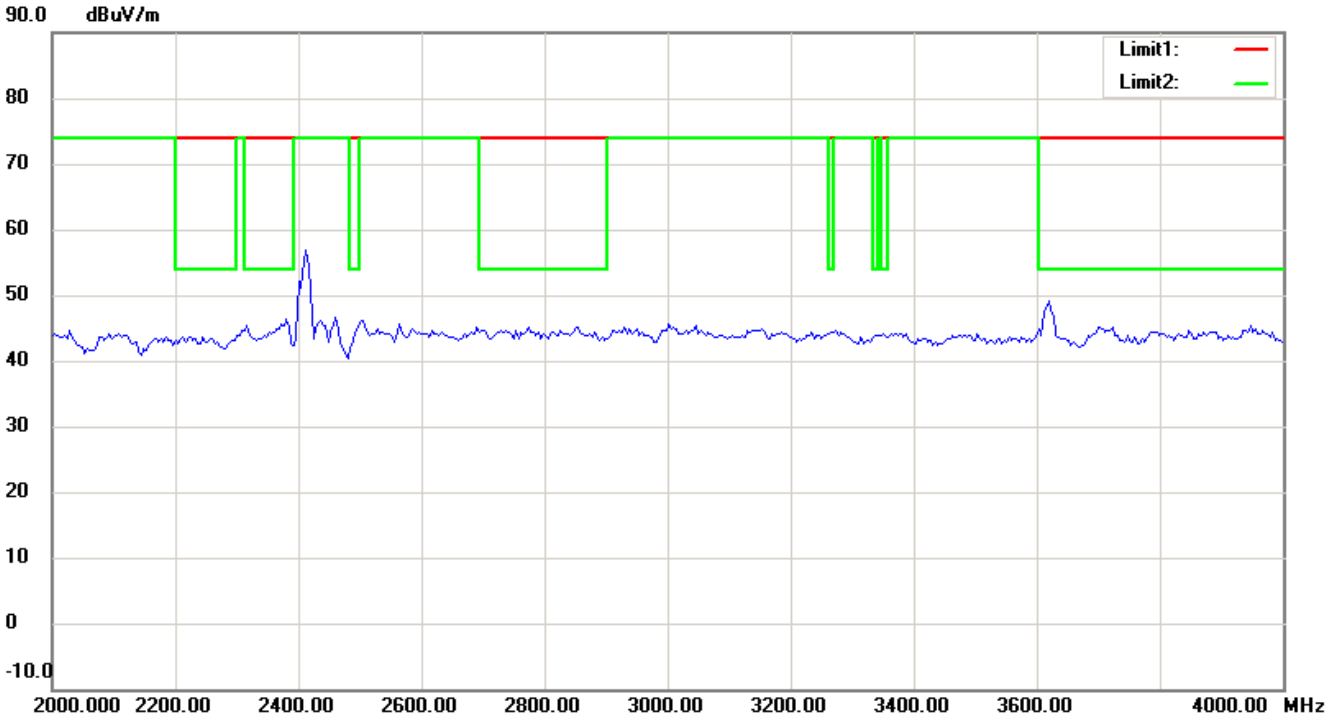
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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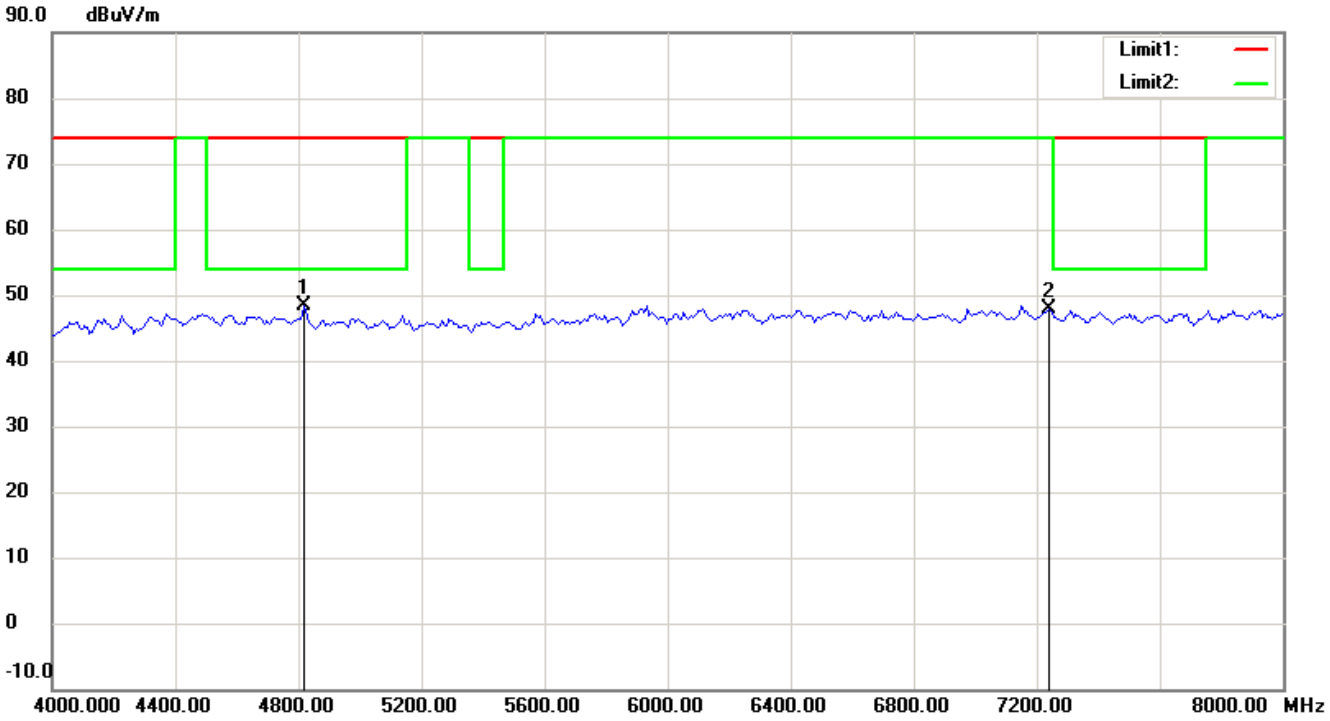
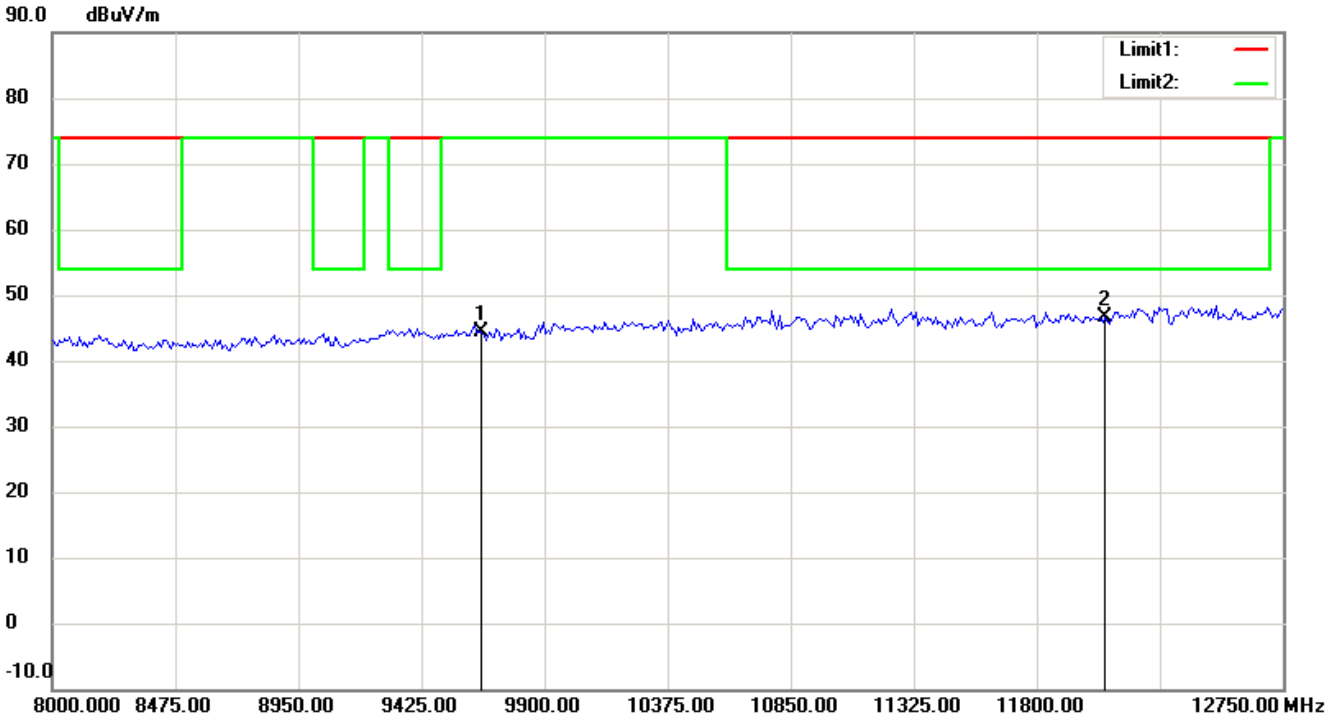
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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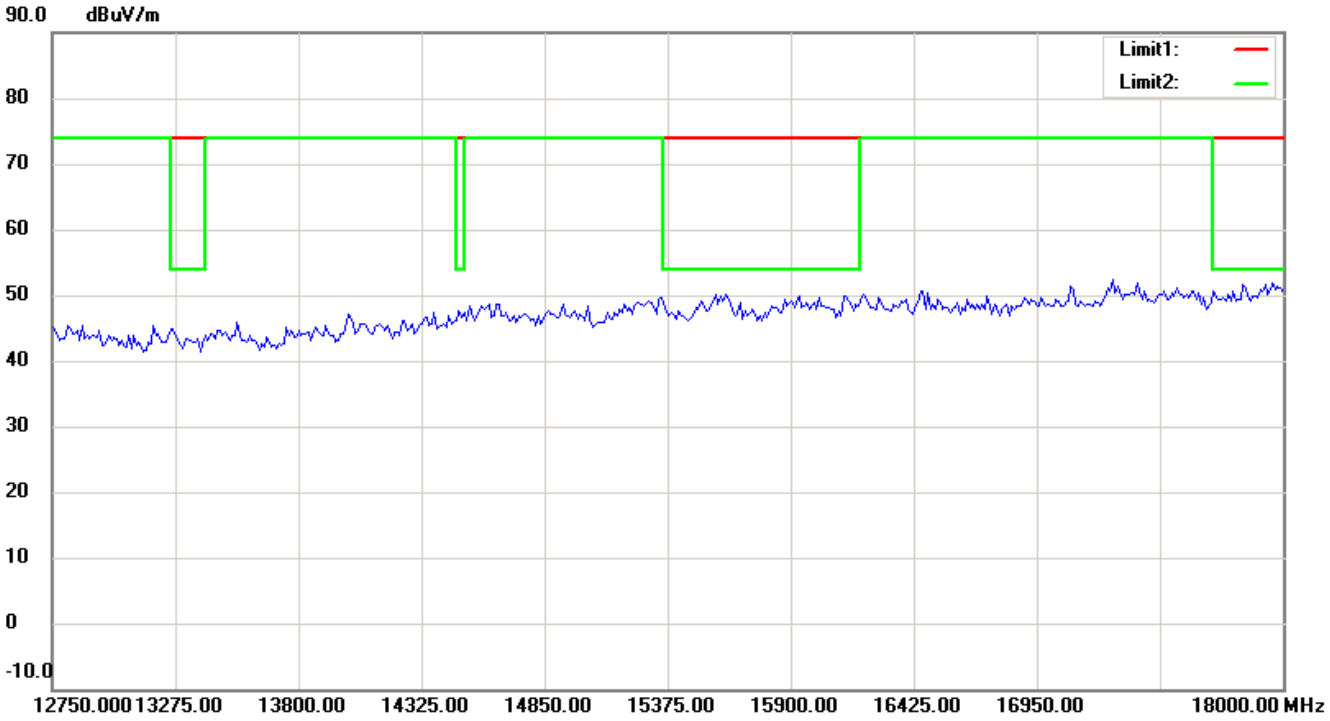
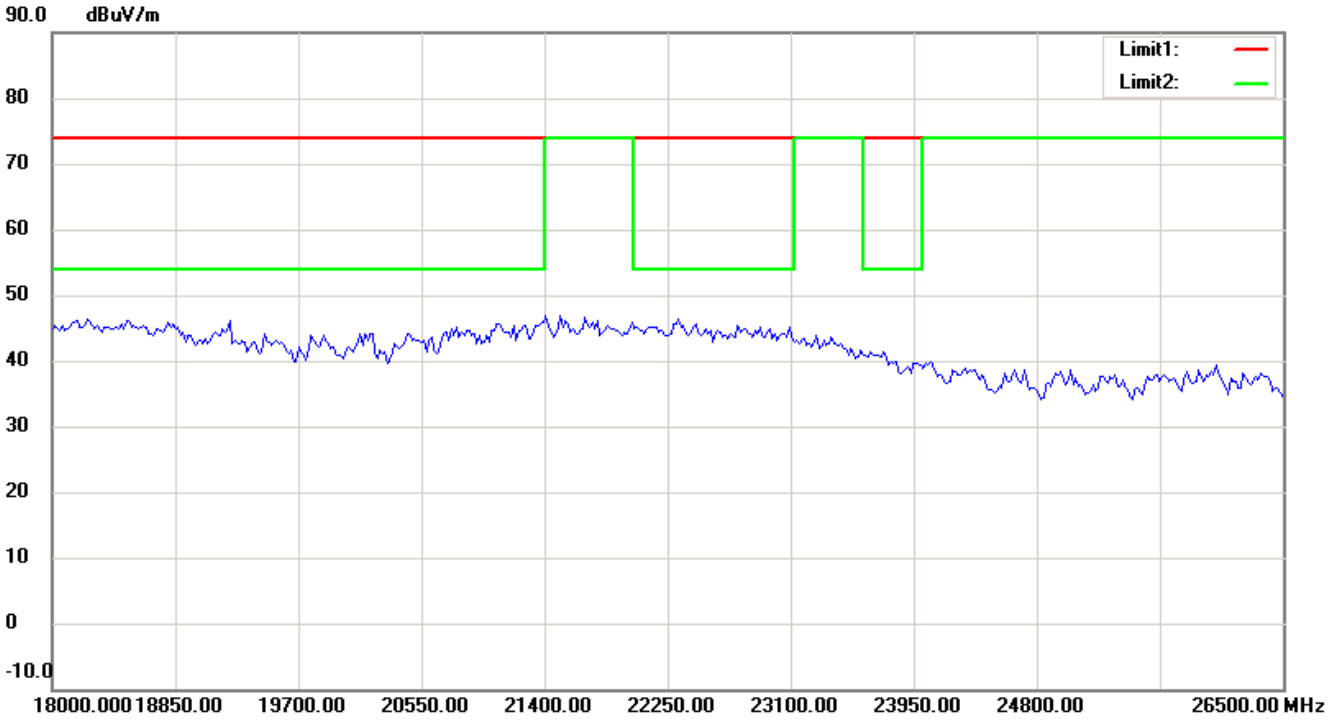
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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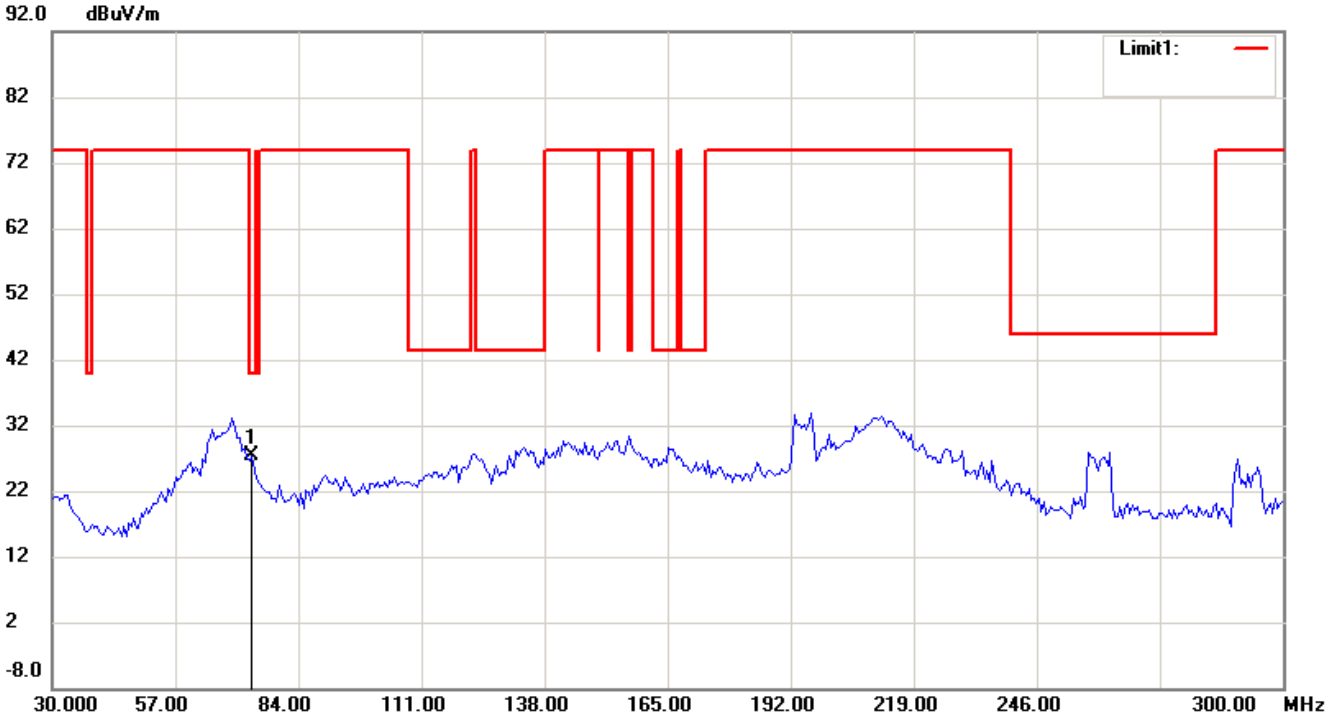
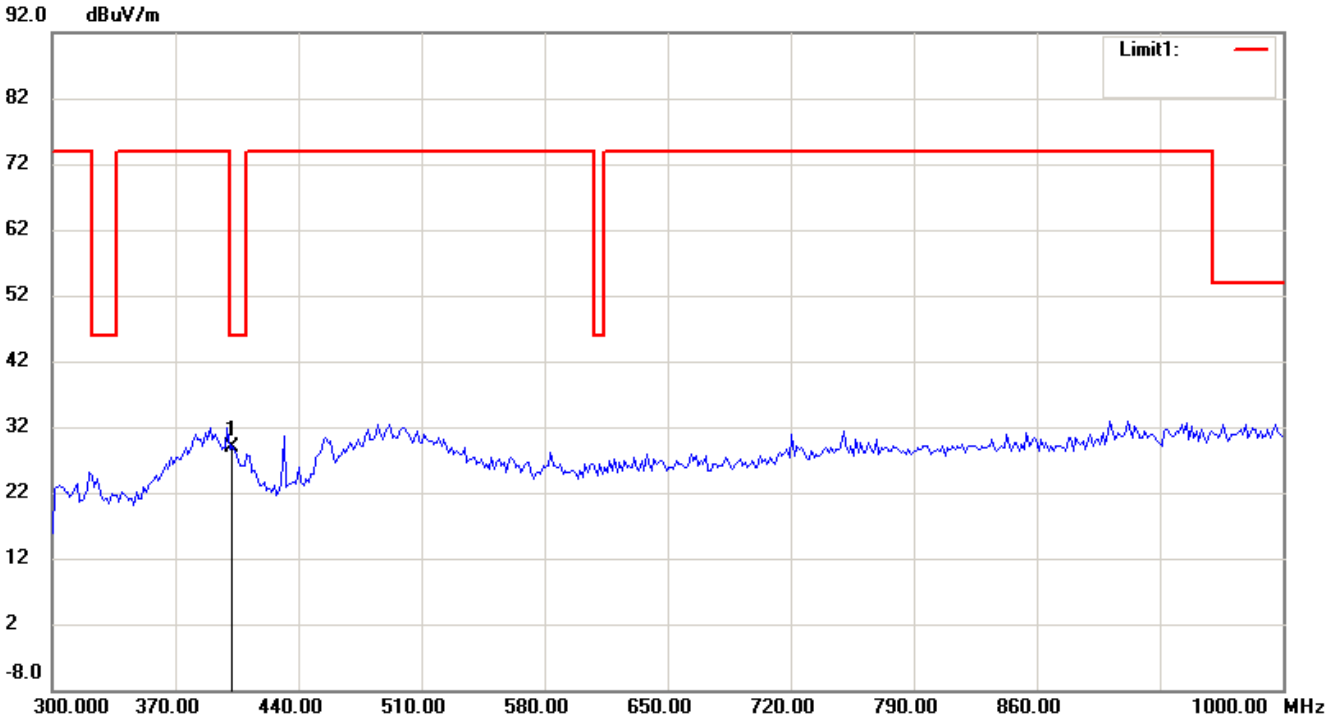
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
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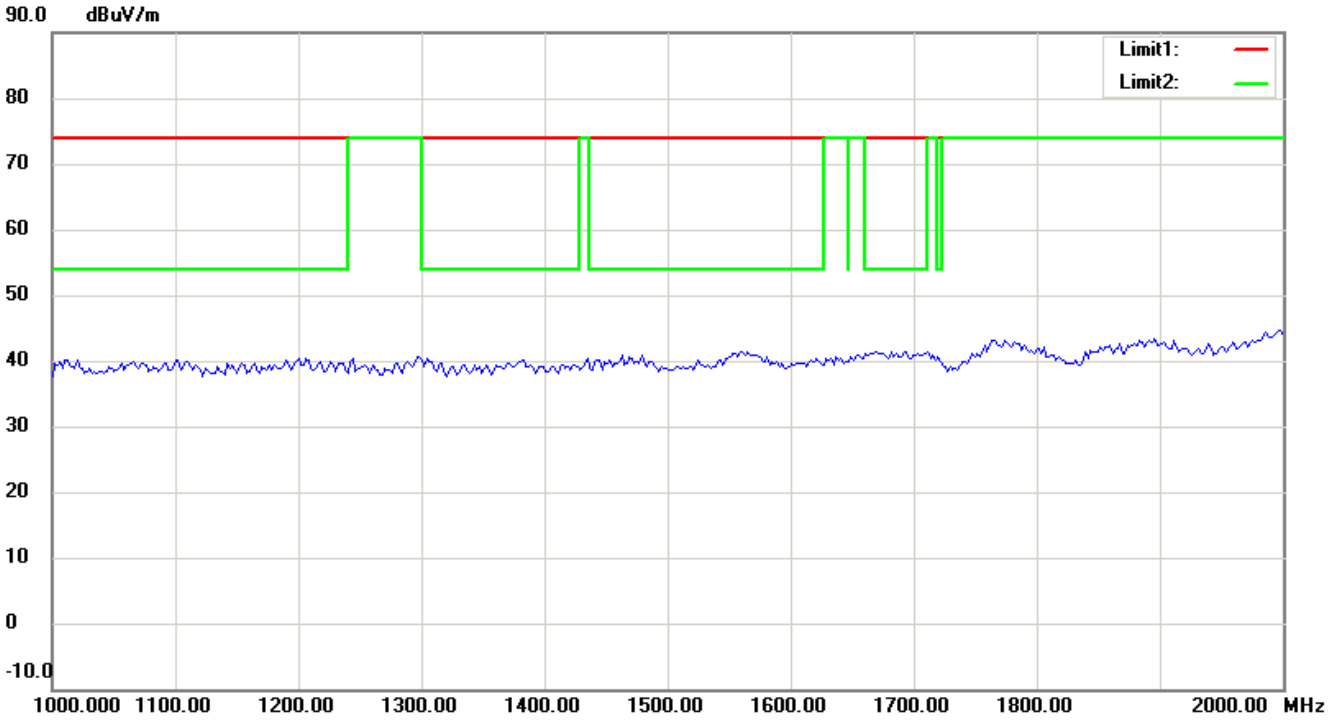
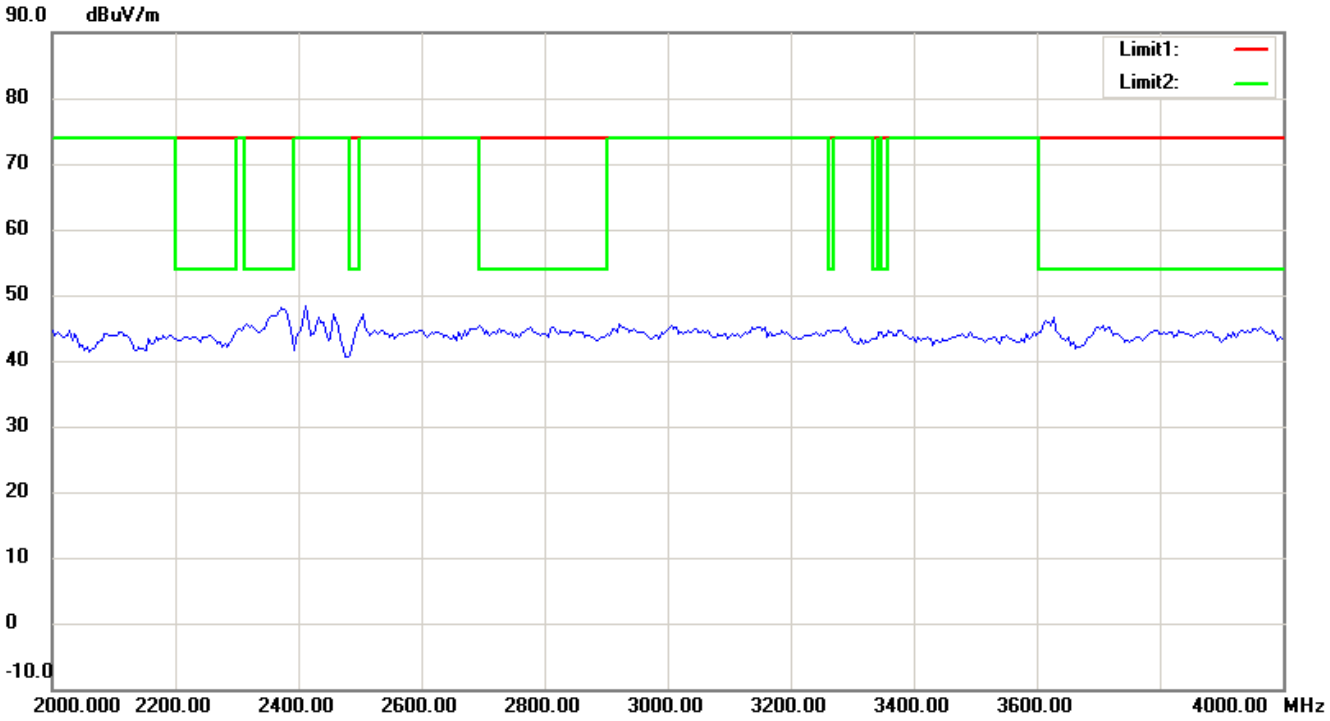
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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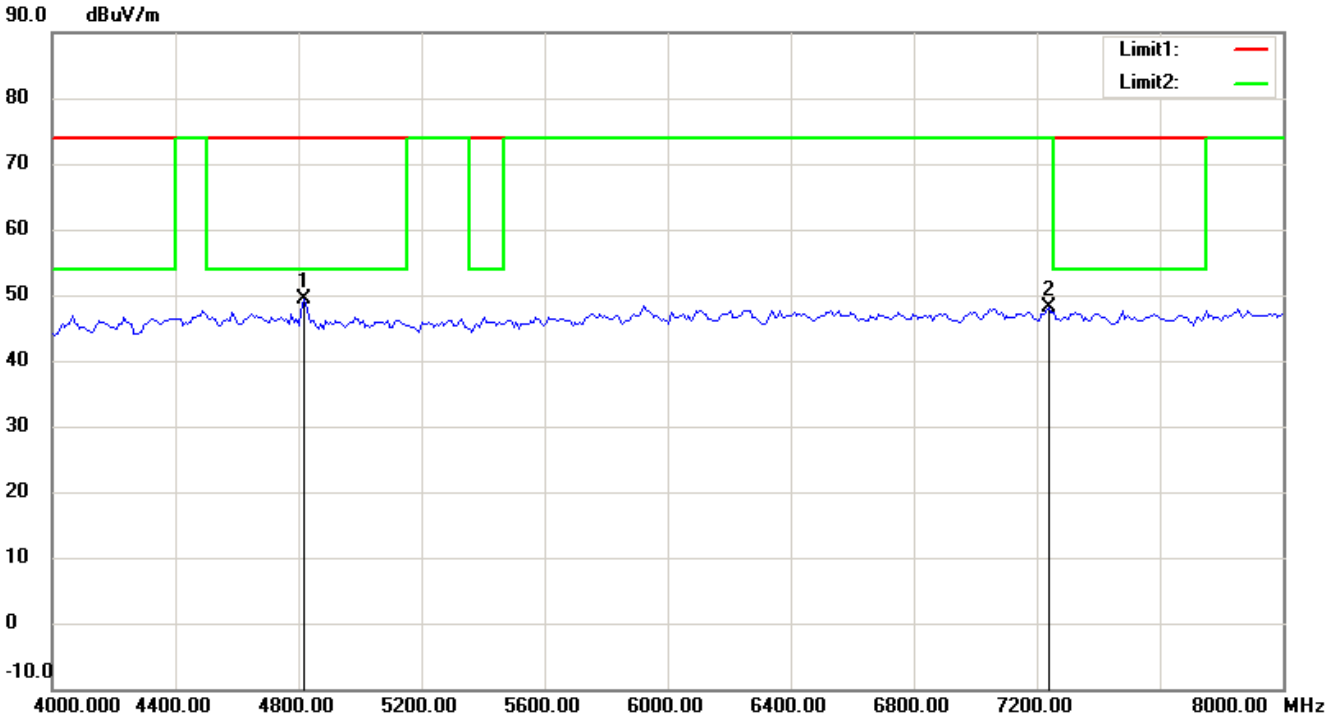
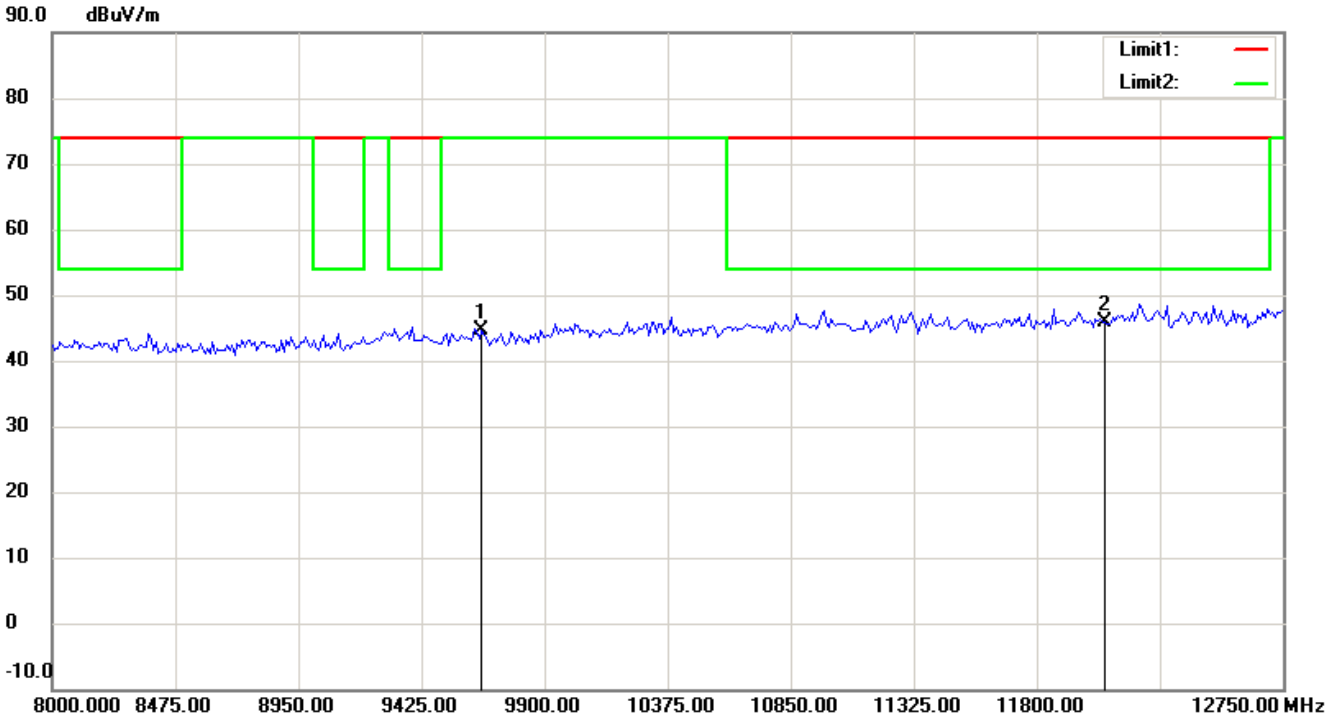
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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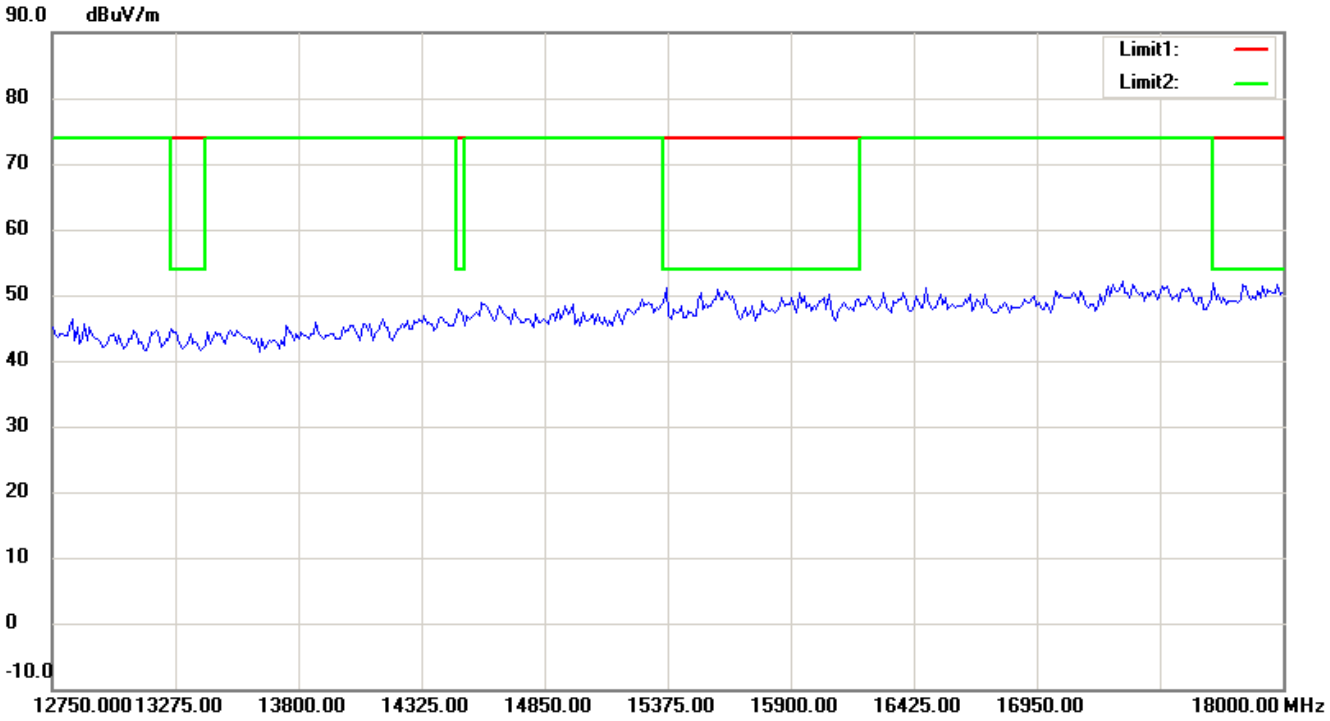
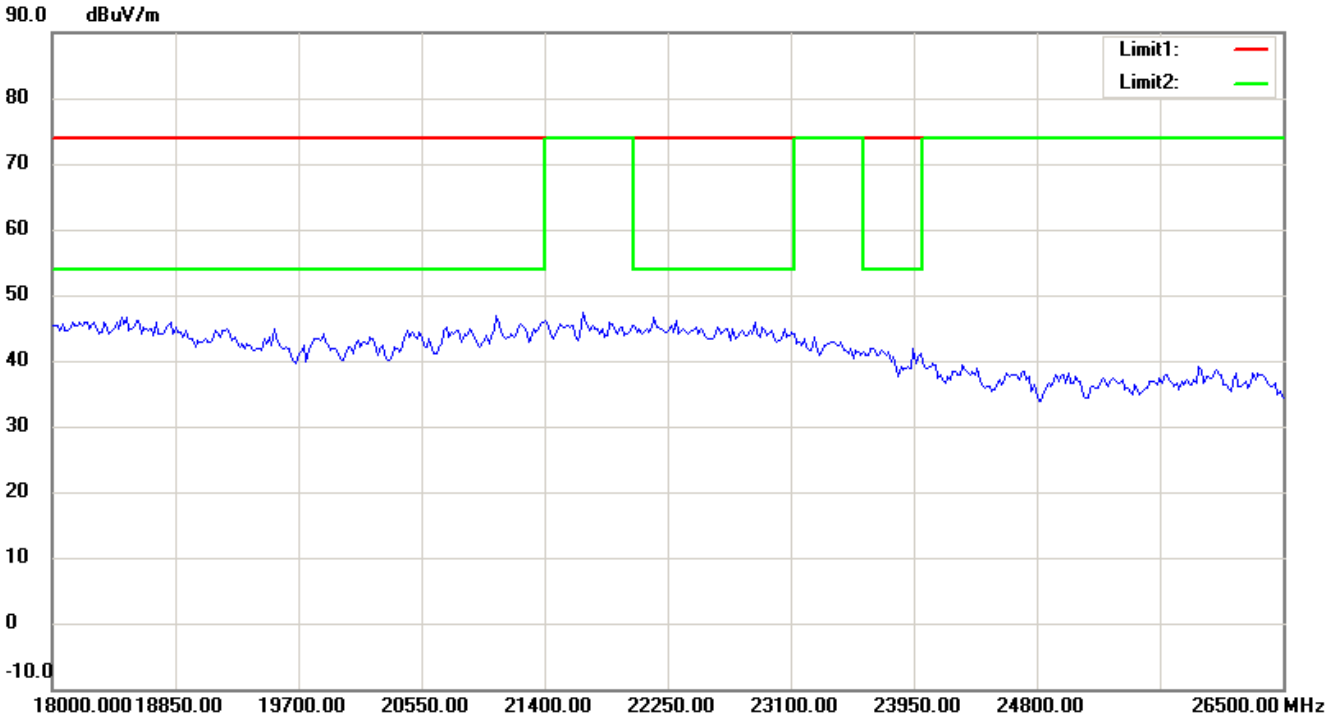
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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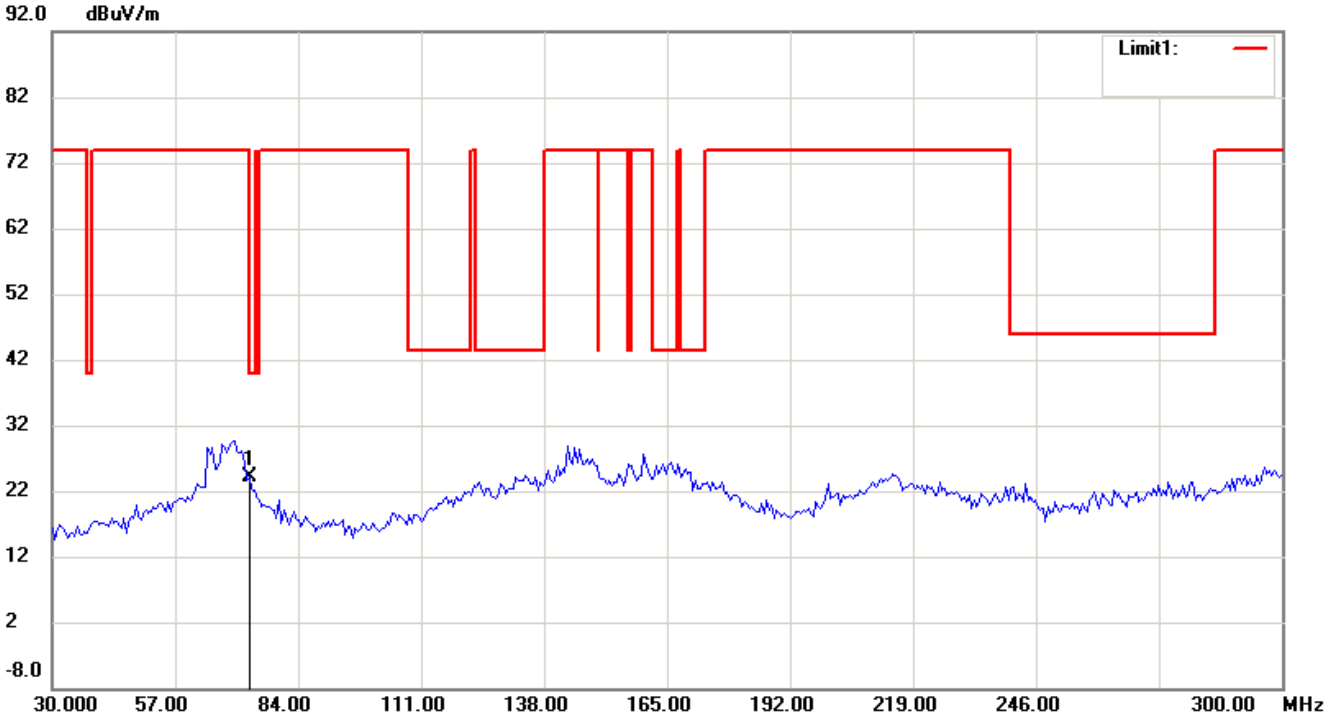
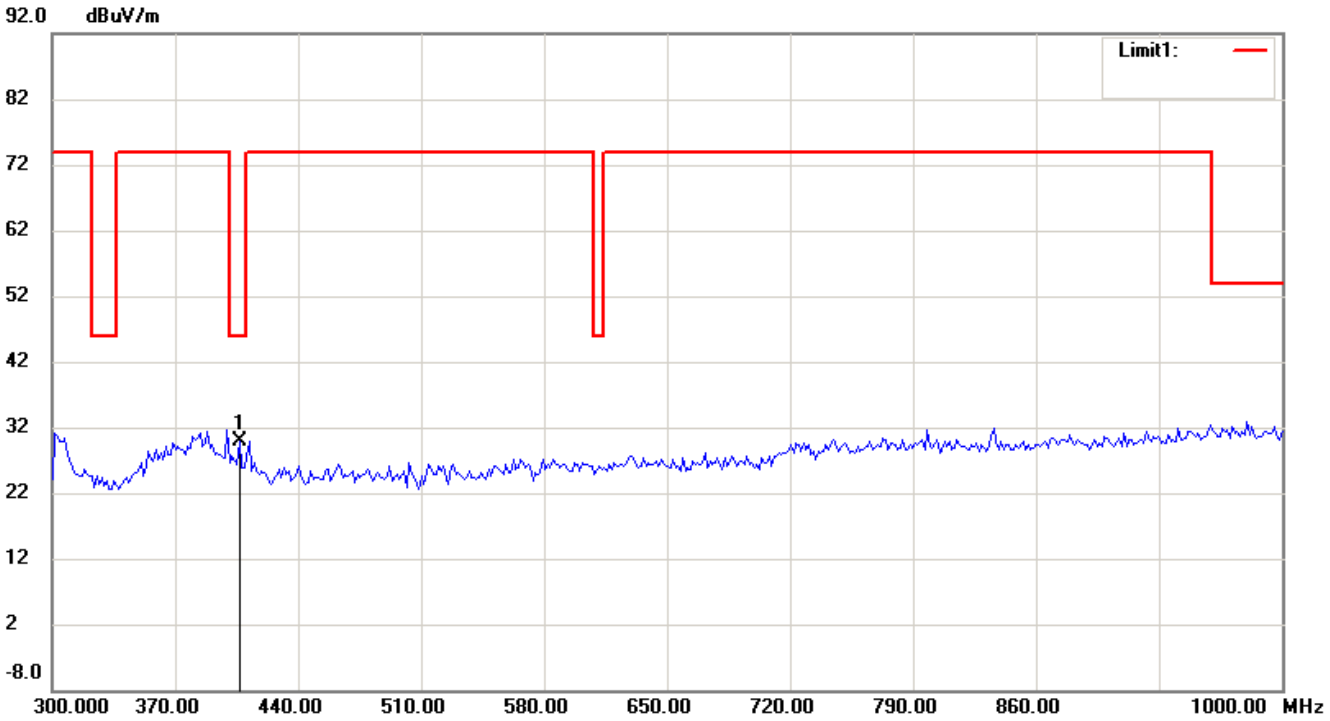
Channel 4
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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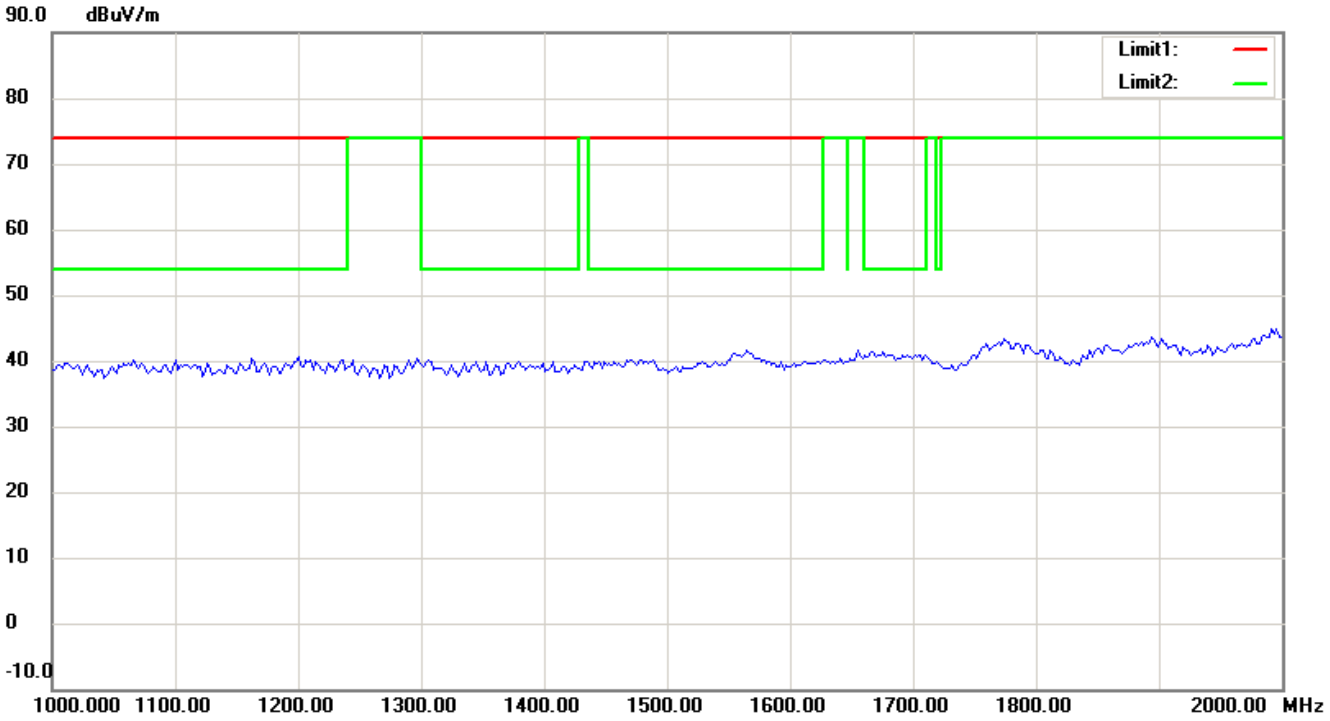
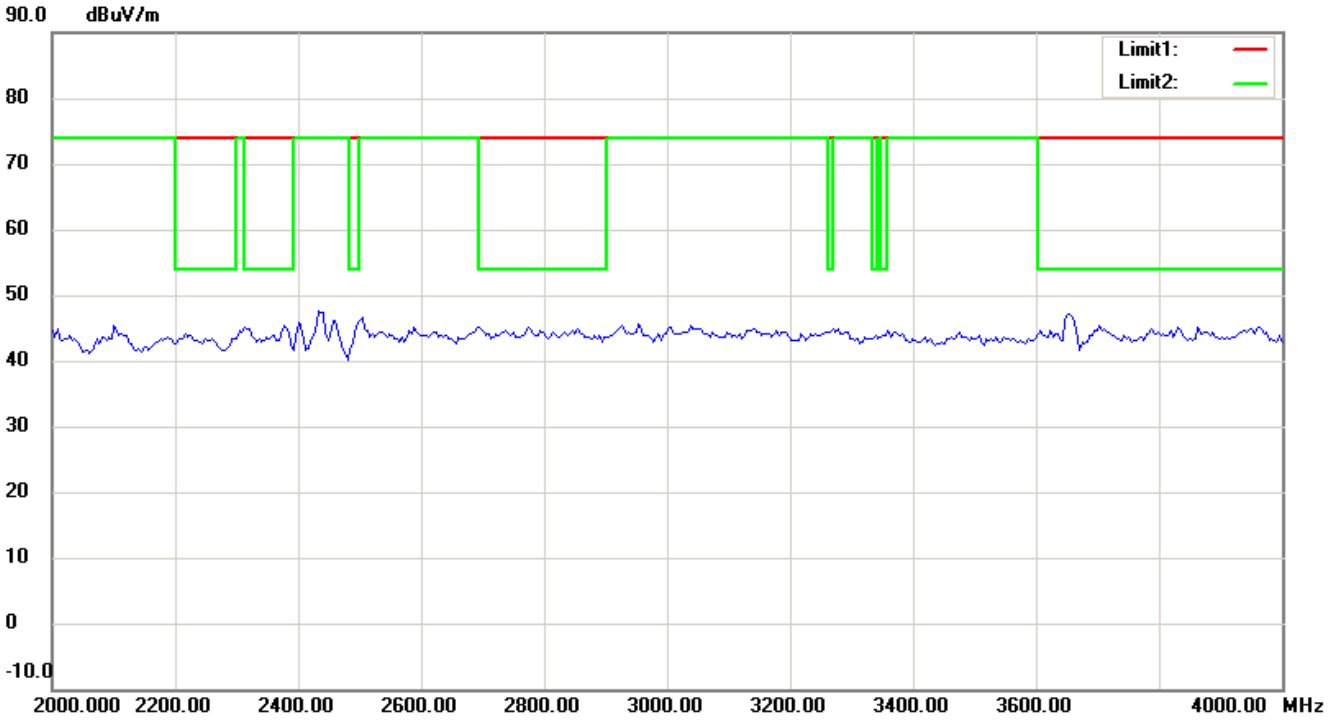
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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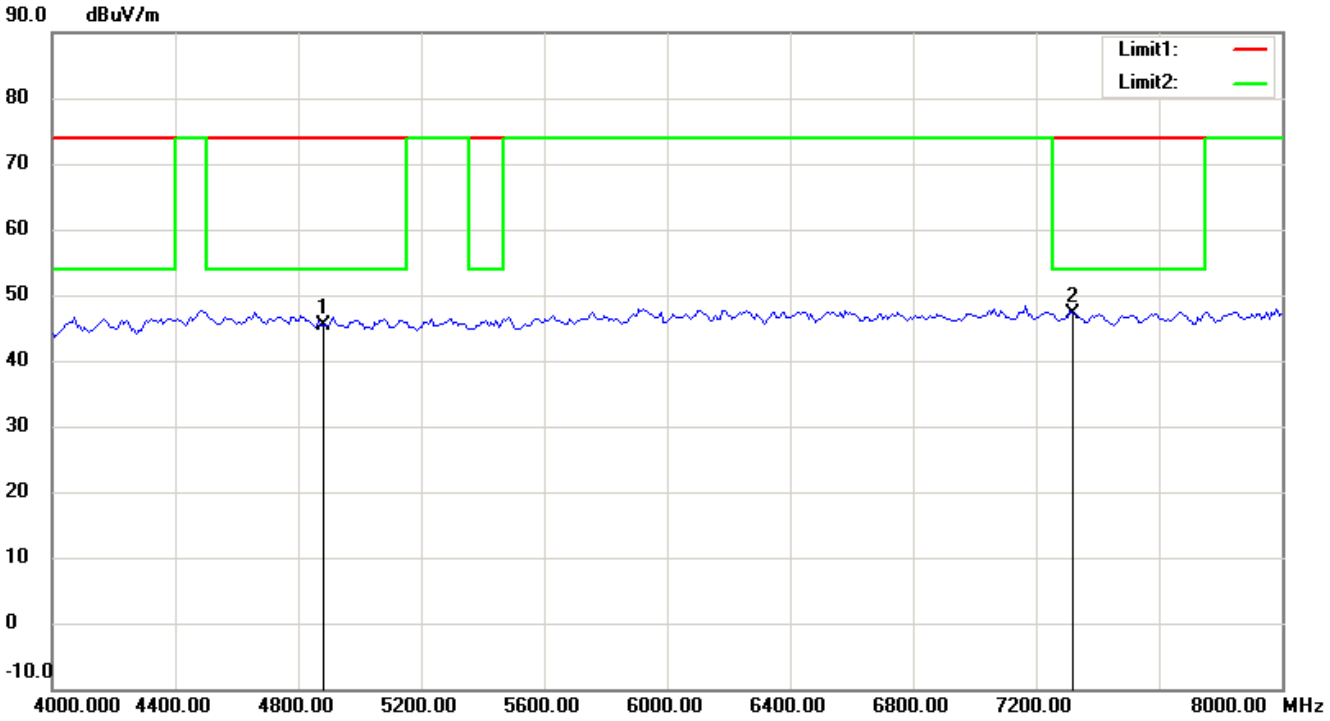
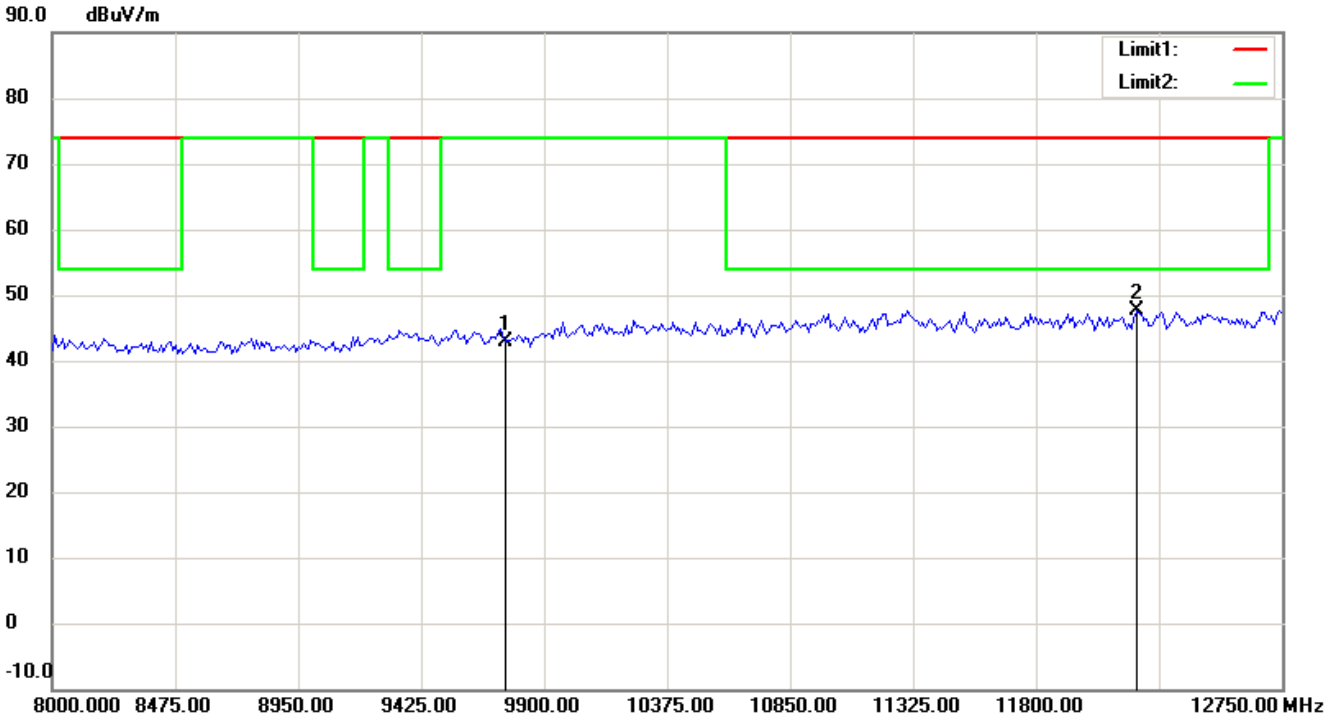
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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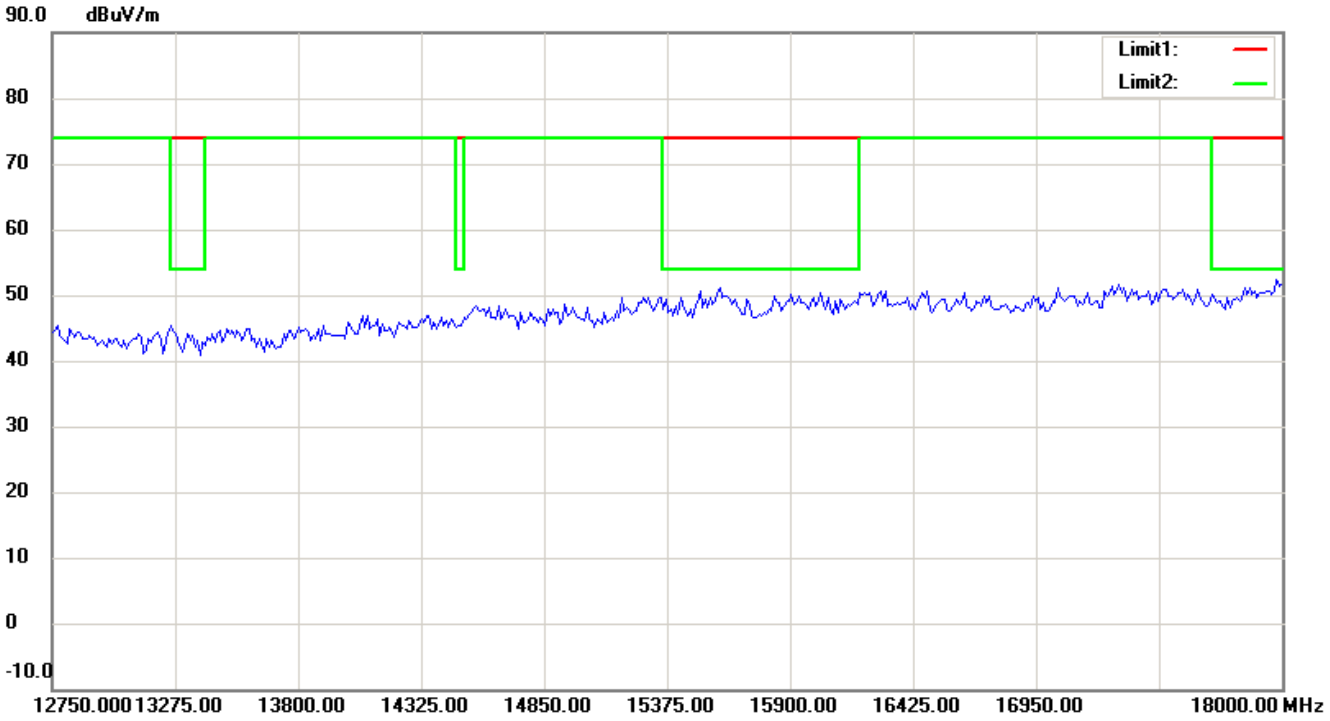
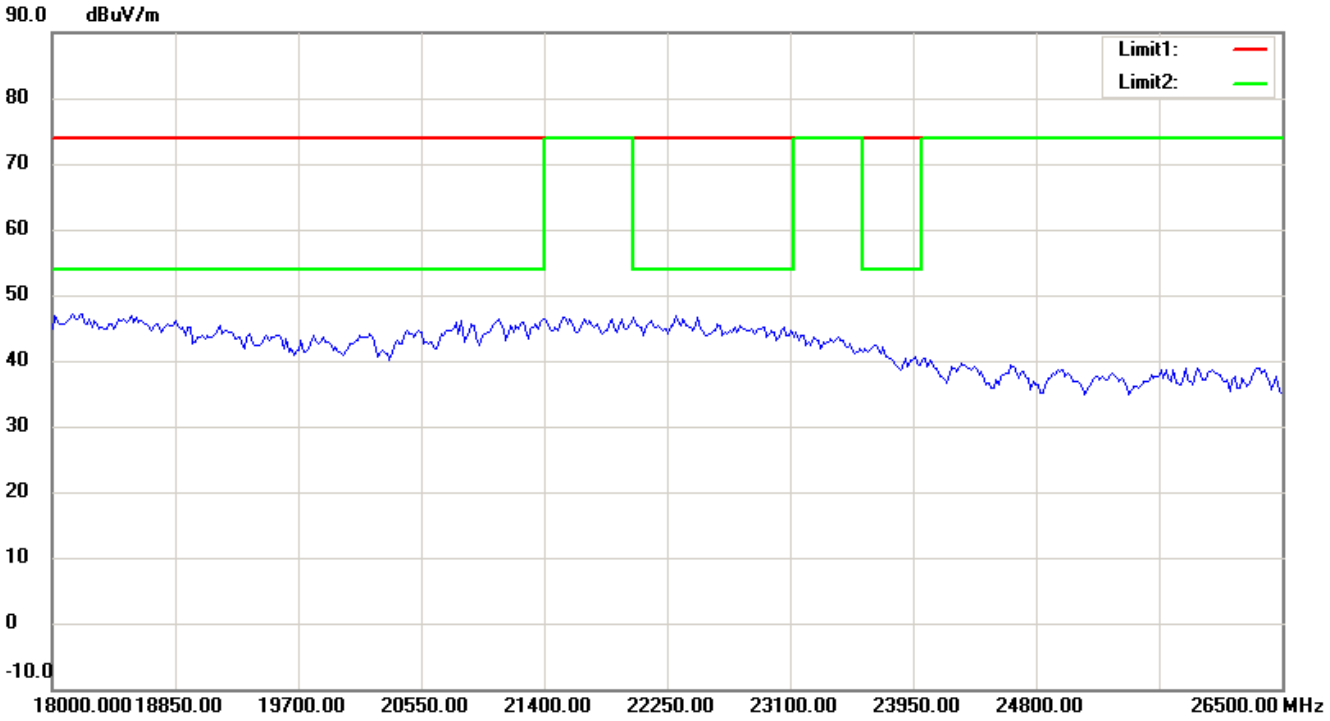
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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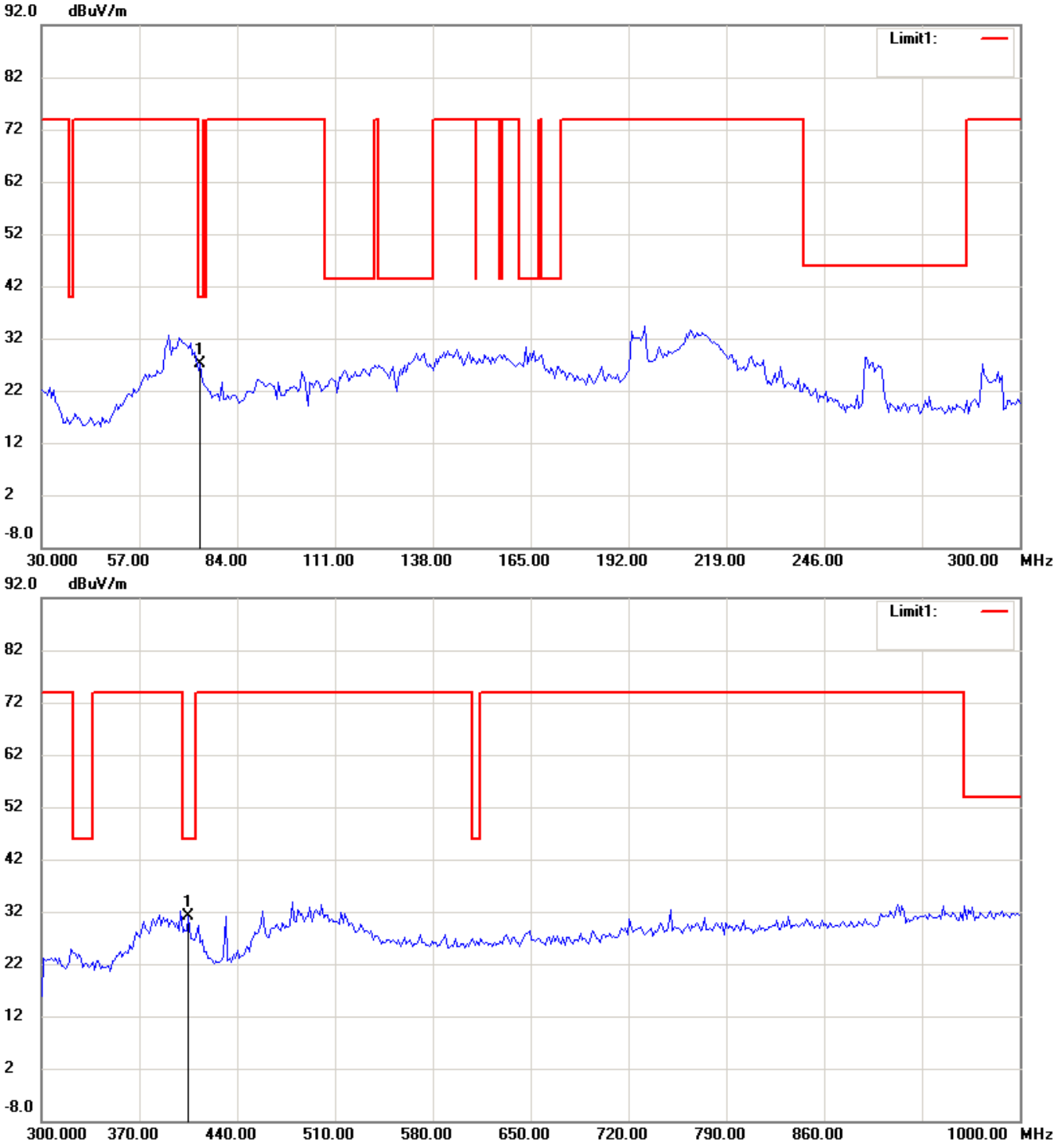
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V



Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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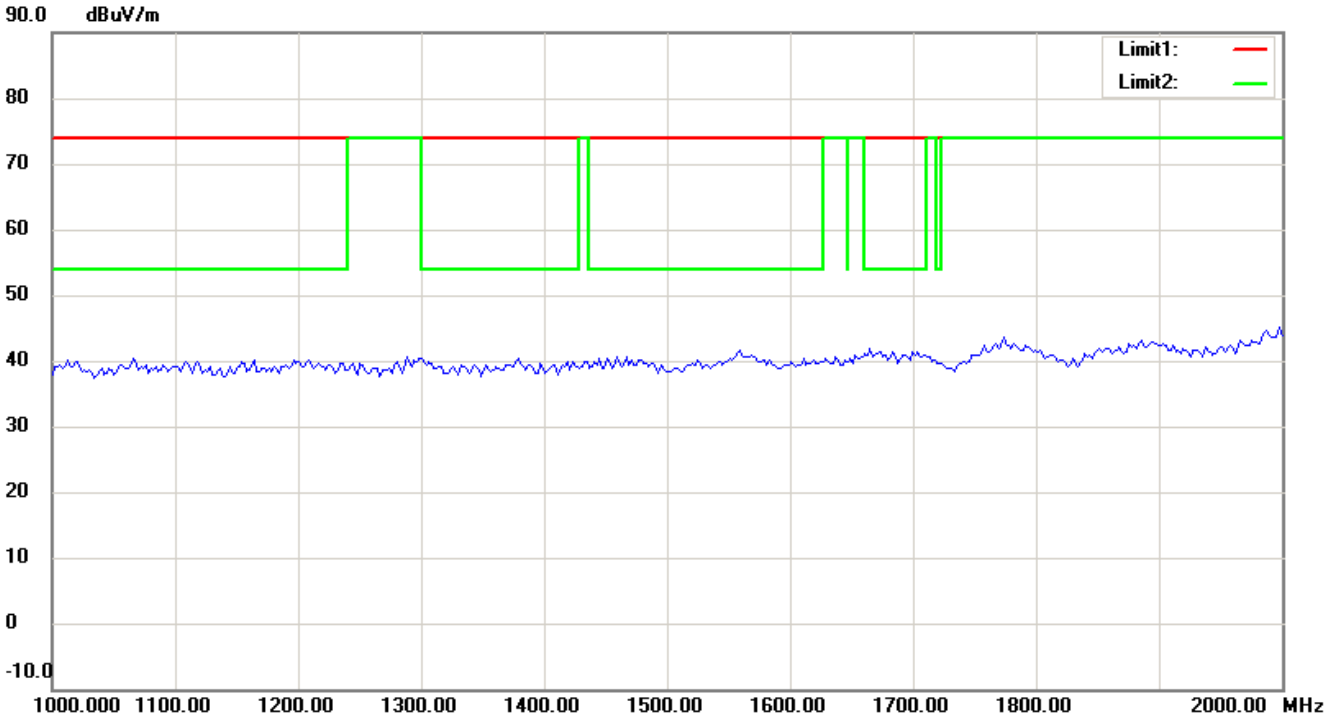
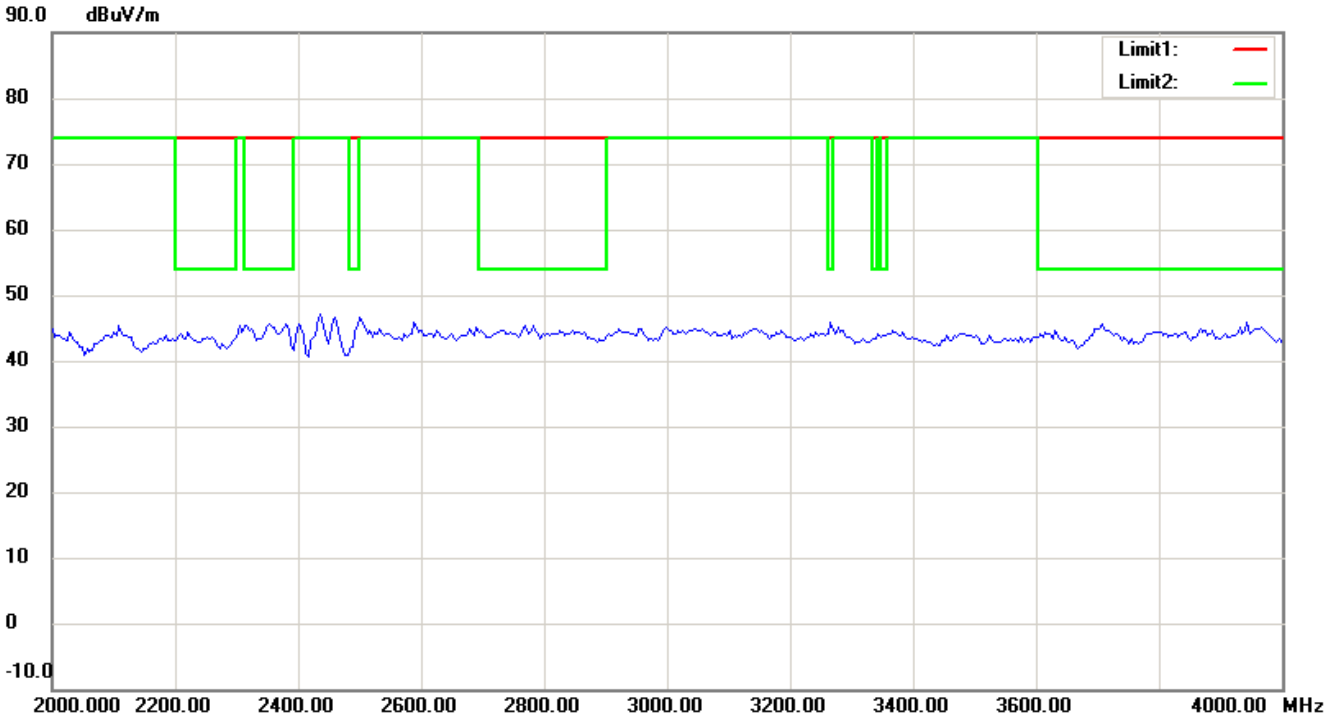
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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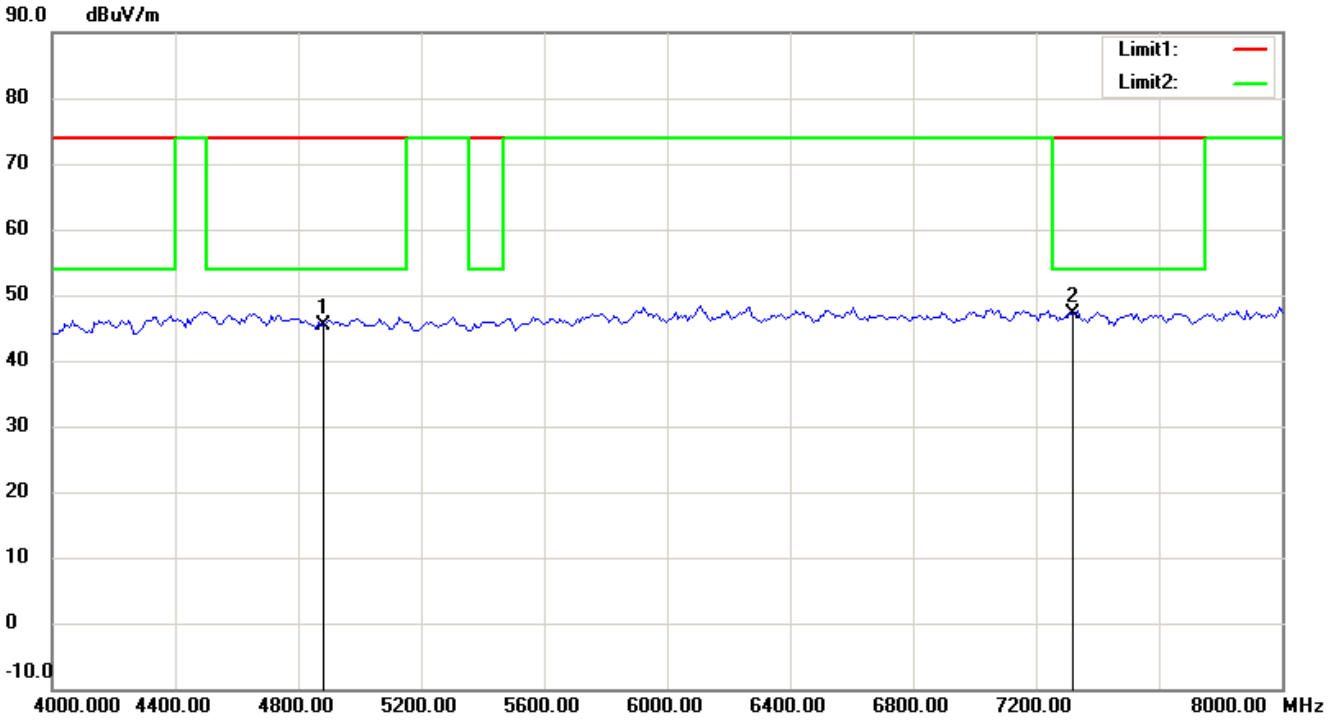
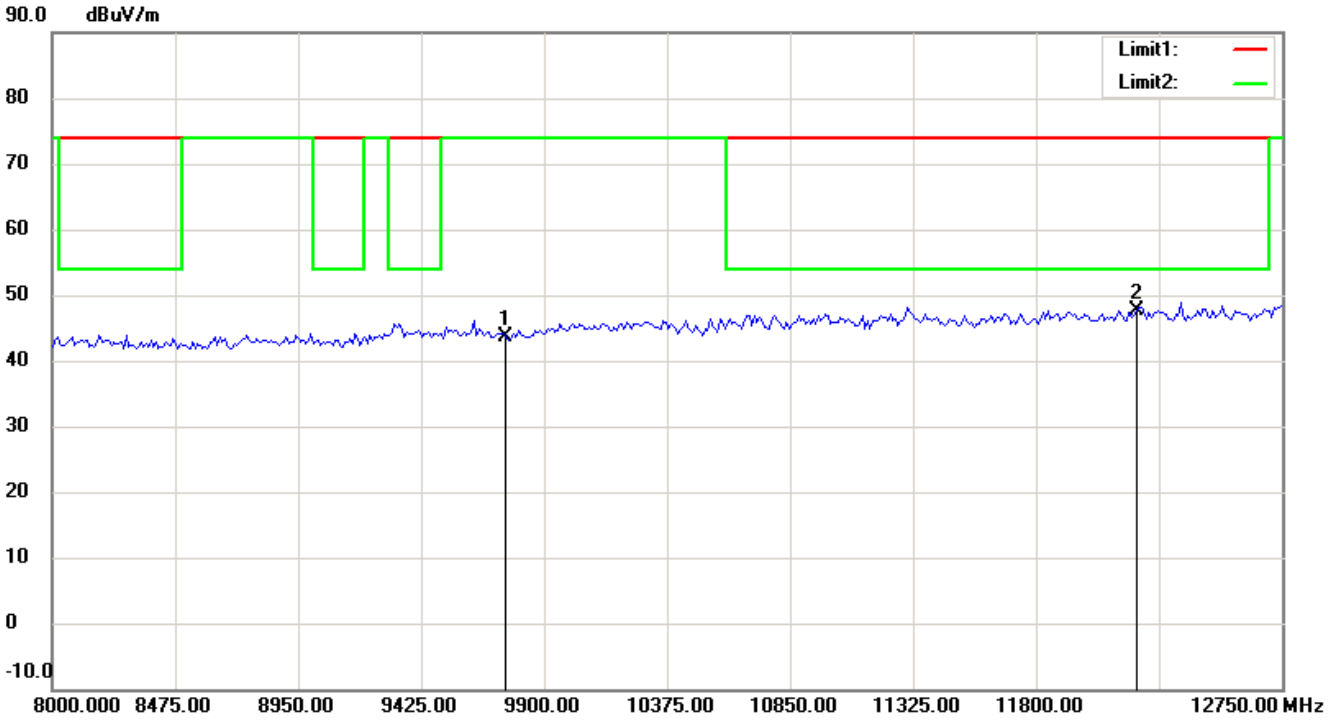
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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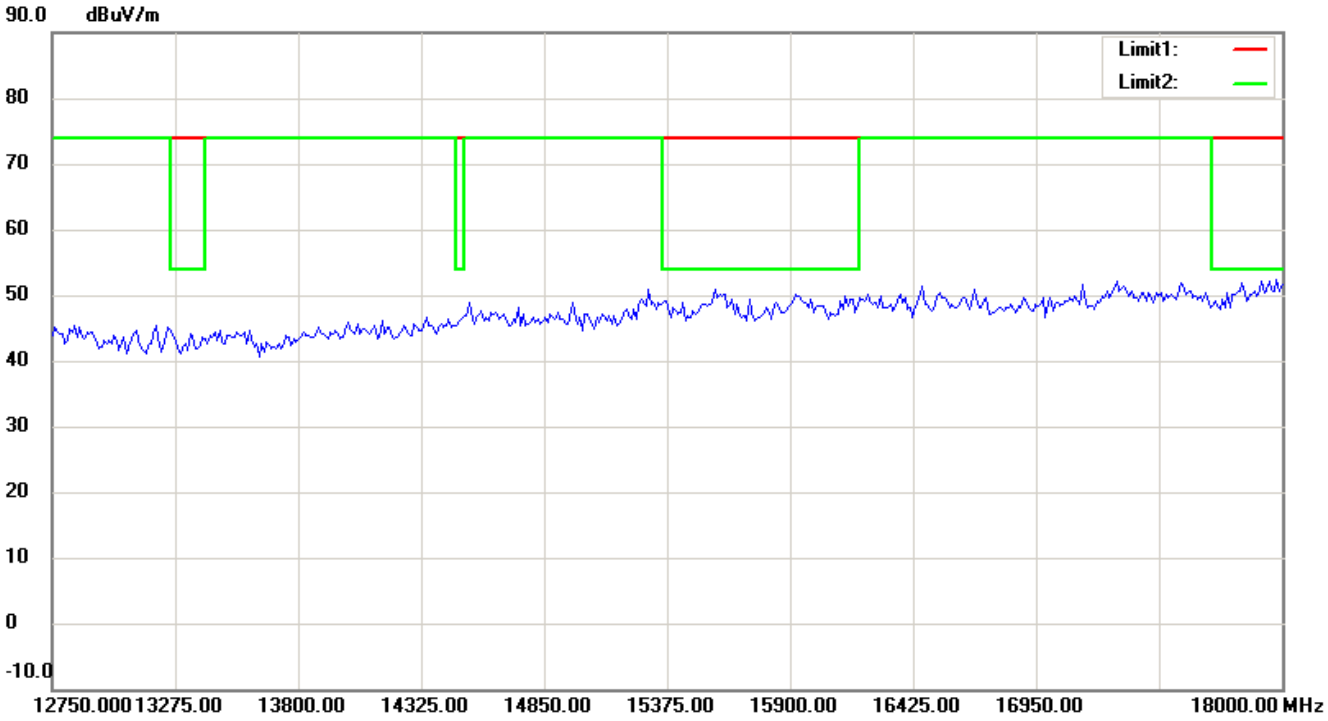
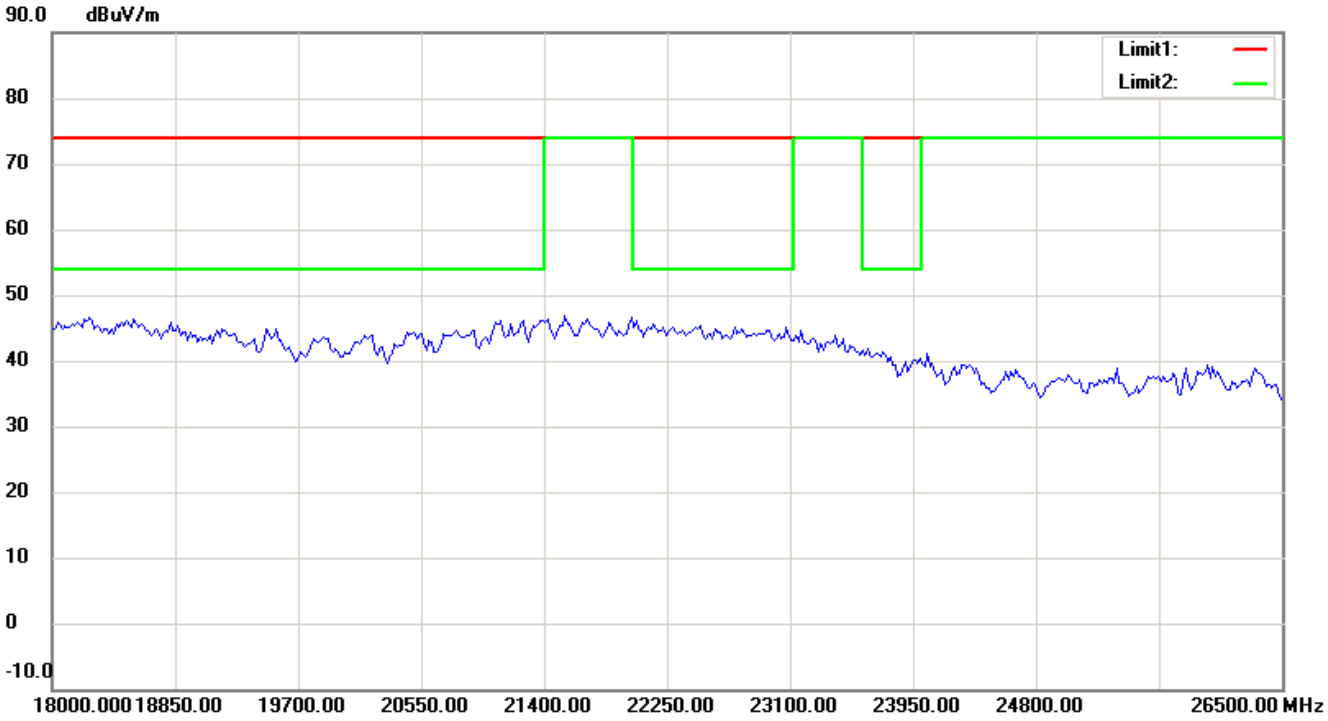
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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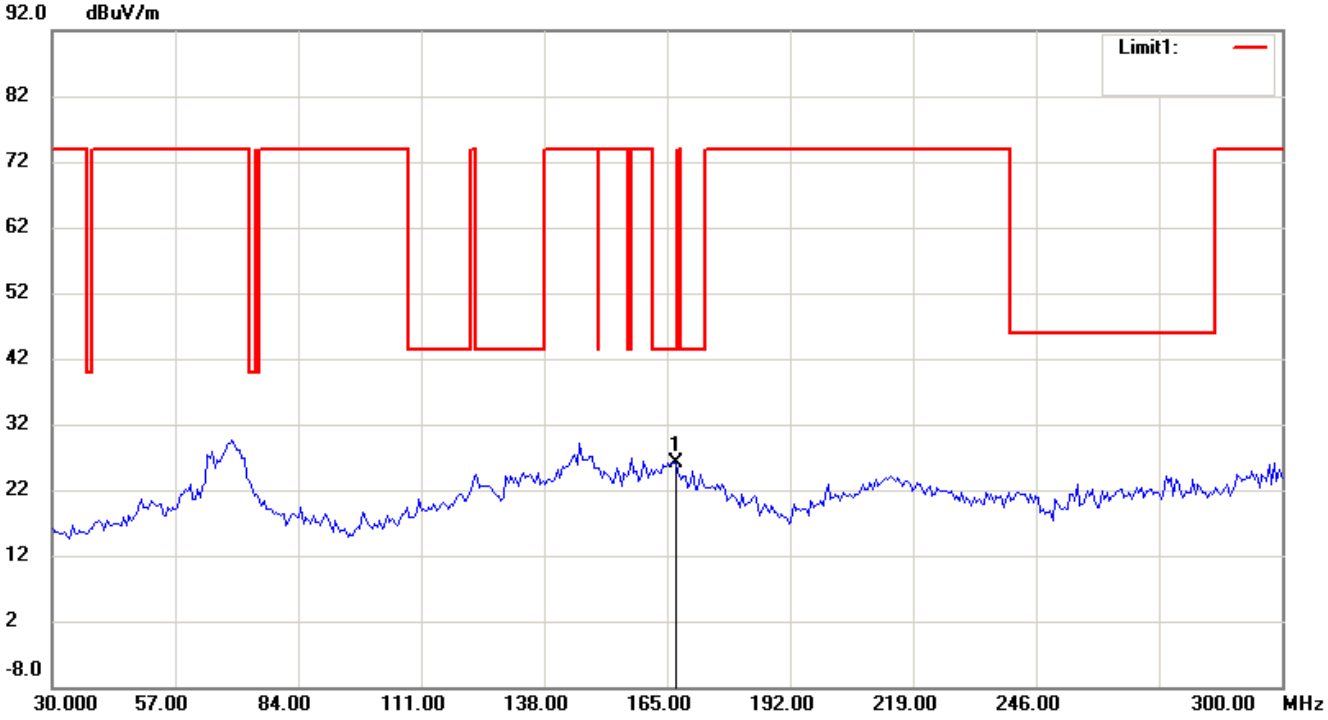
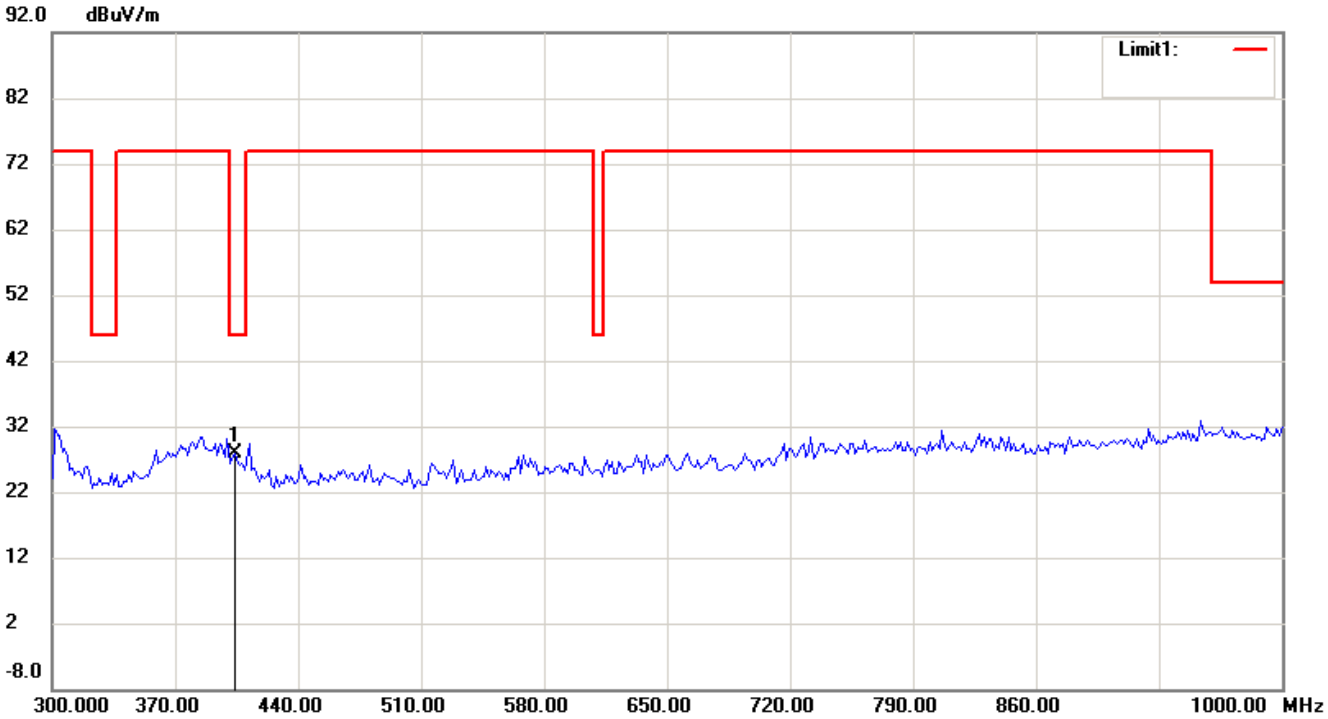
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Channel 7
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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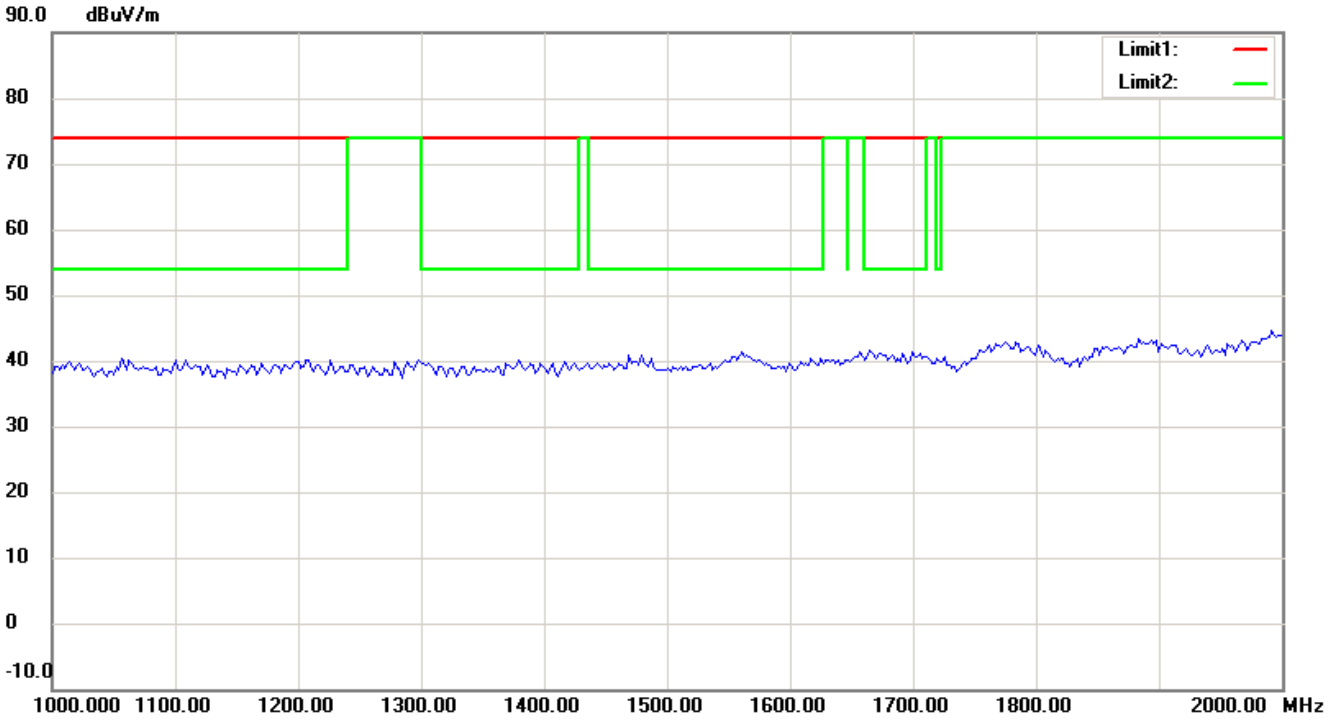
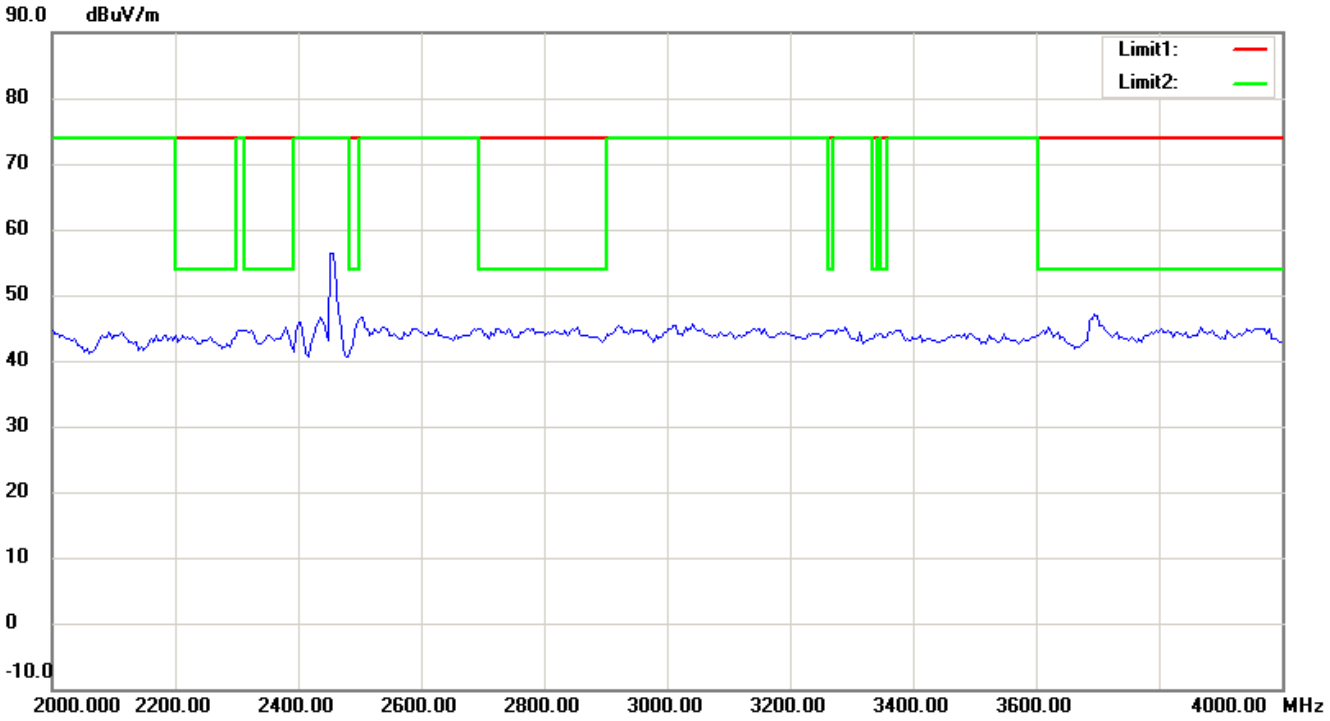
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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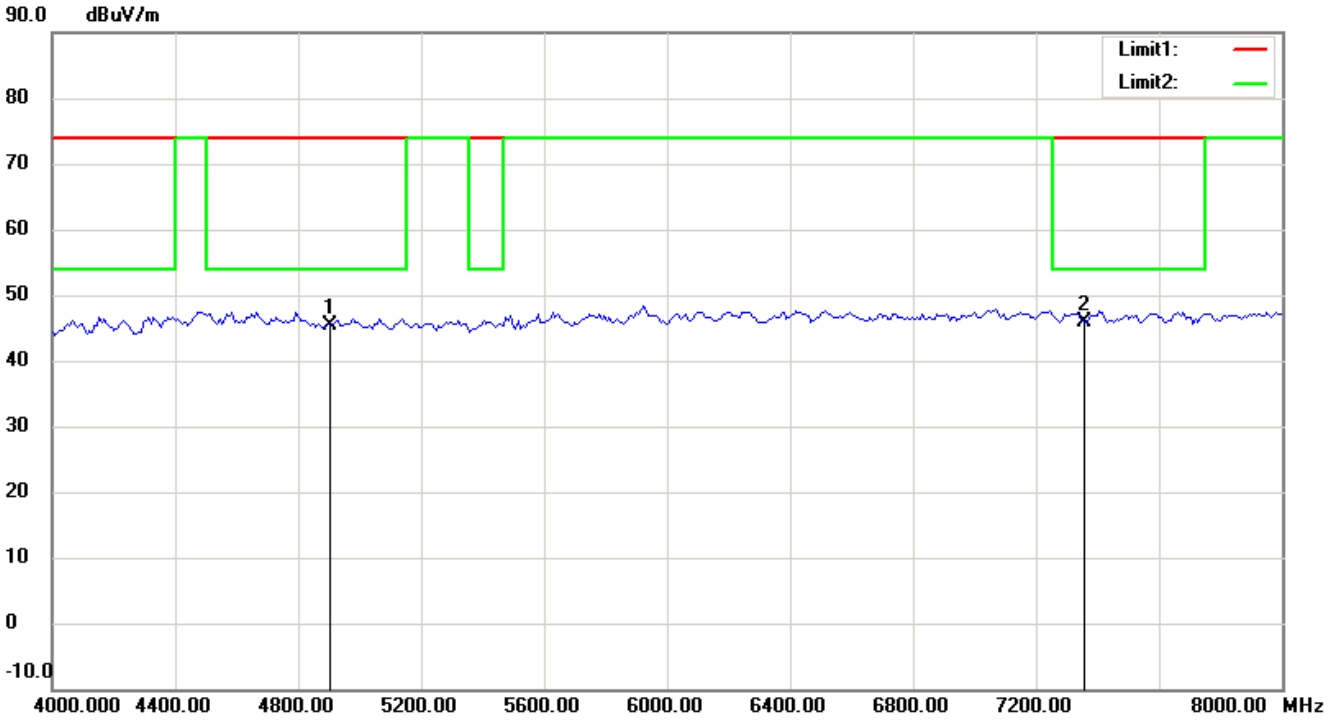
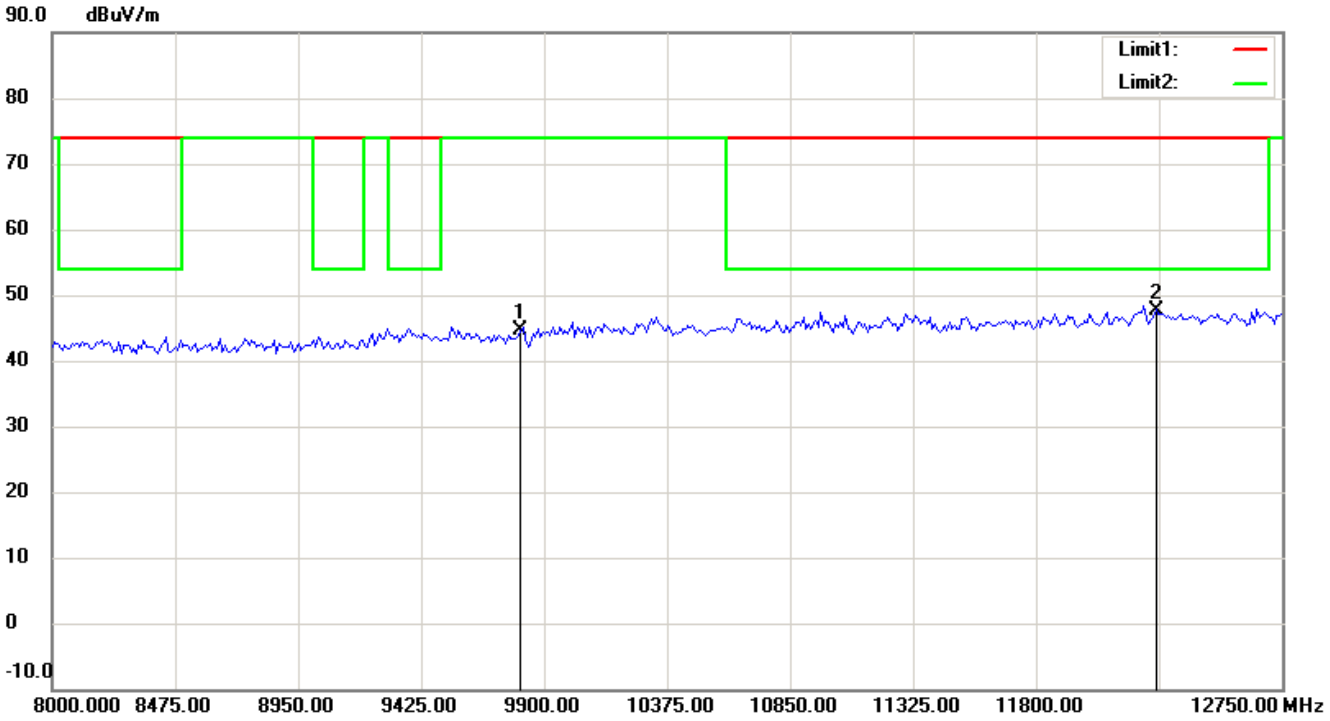
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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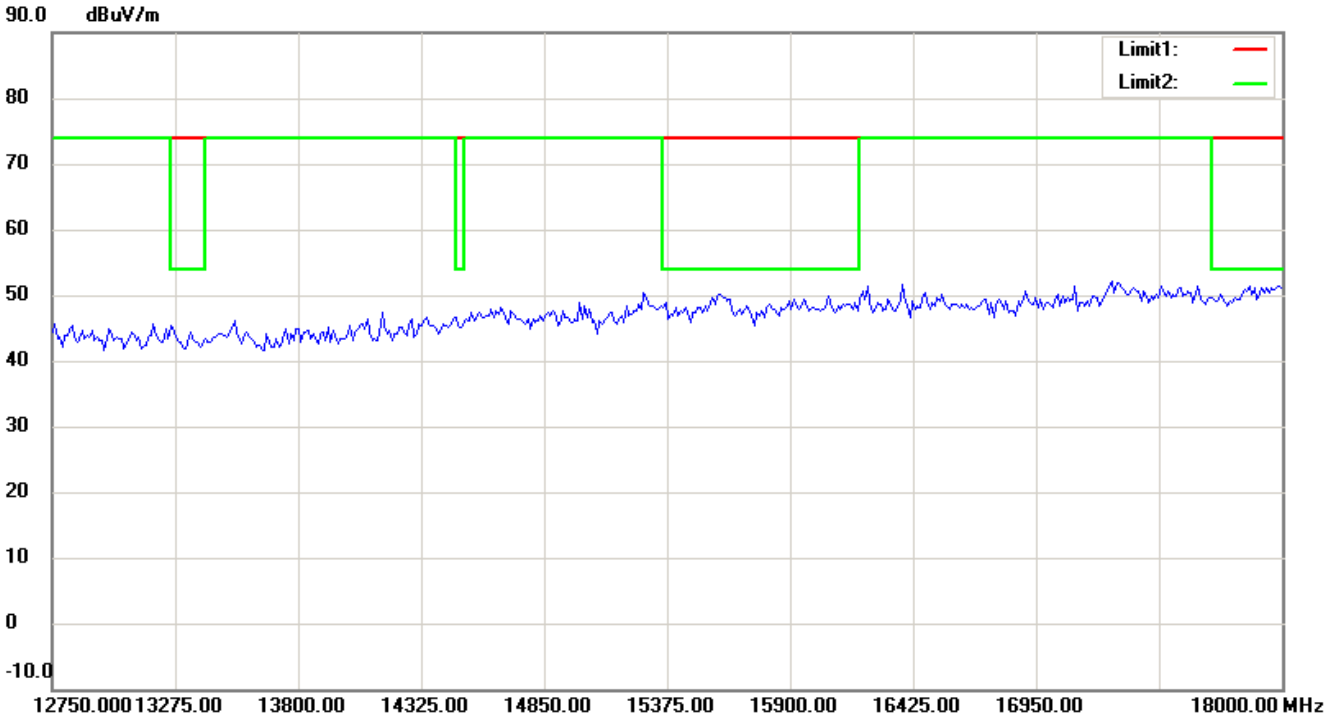
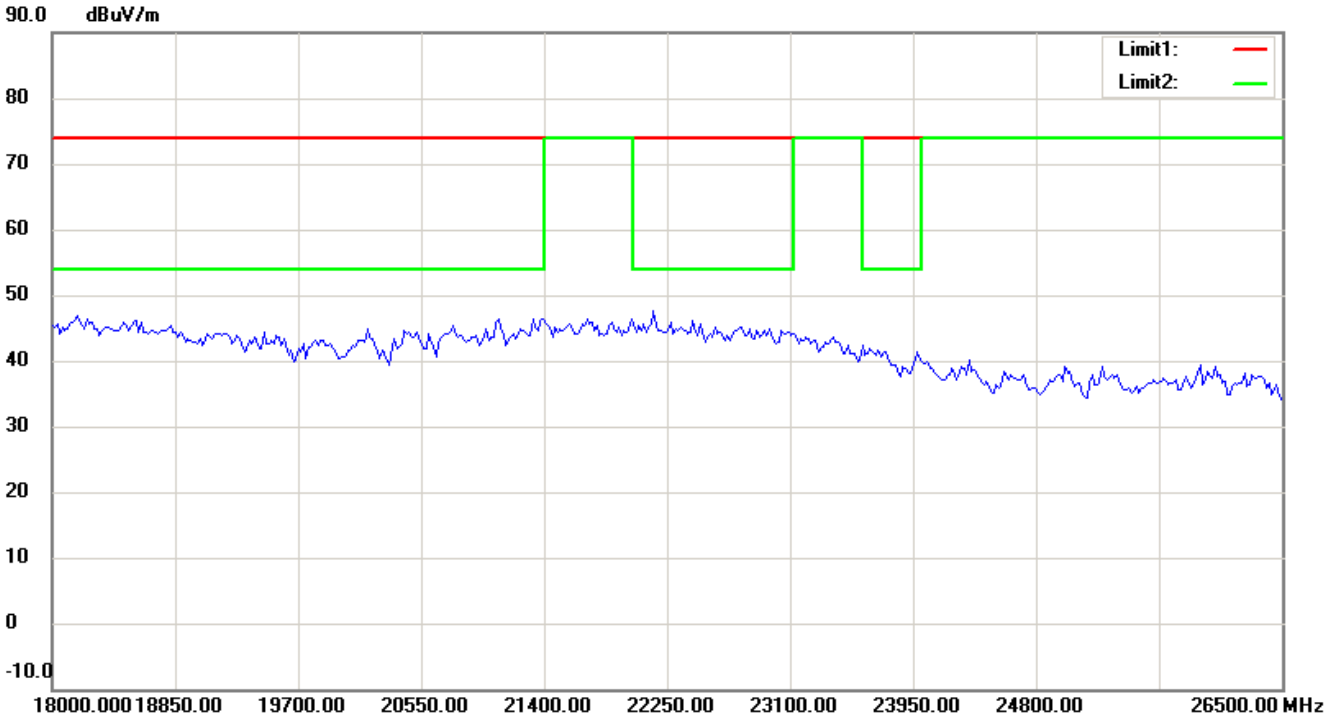
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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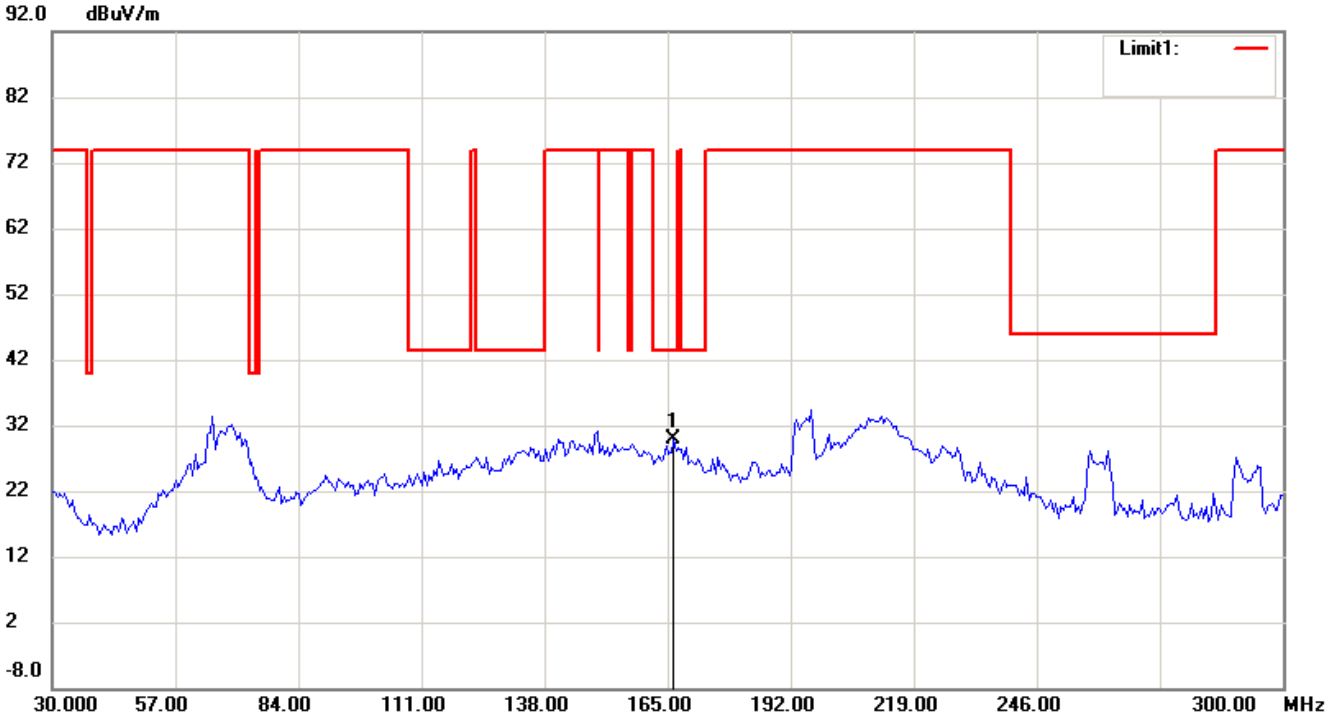
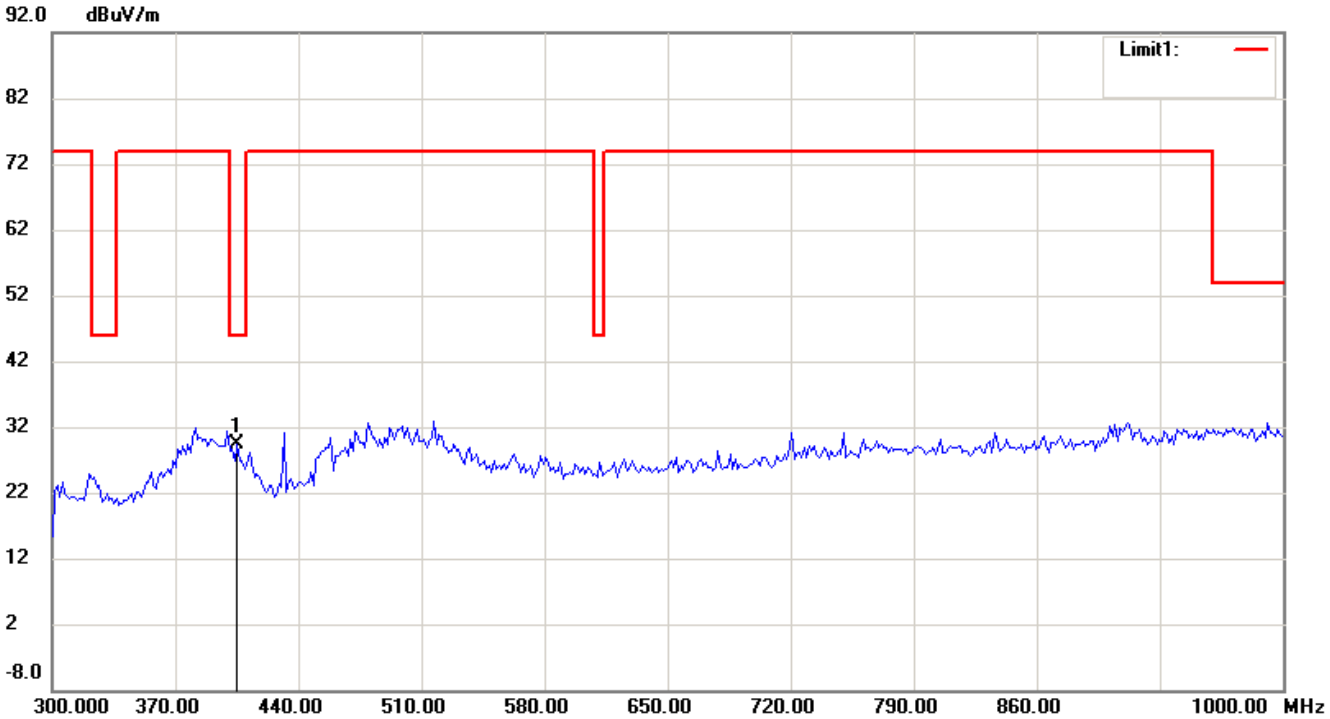
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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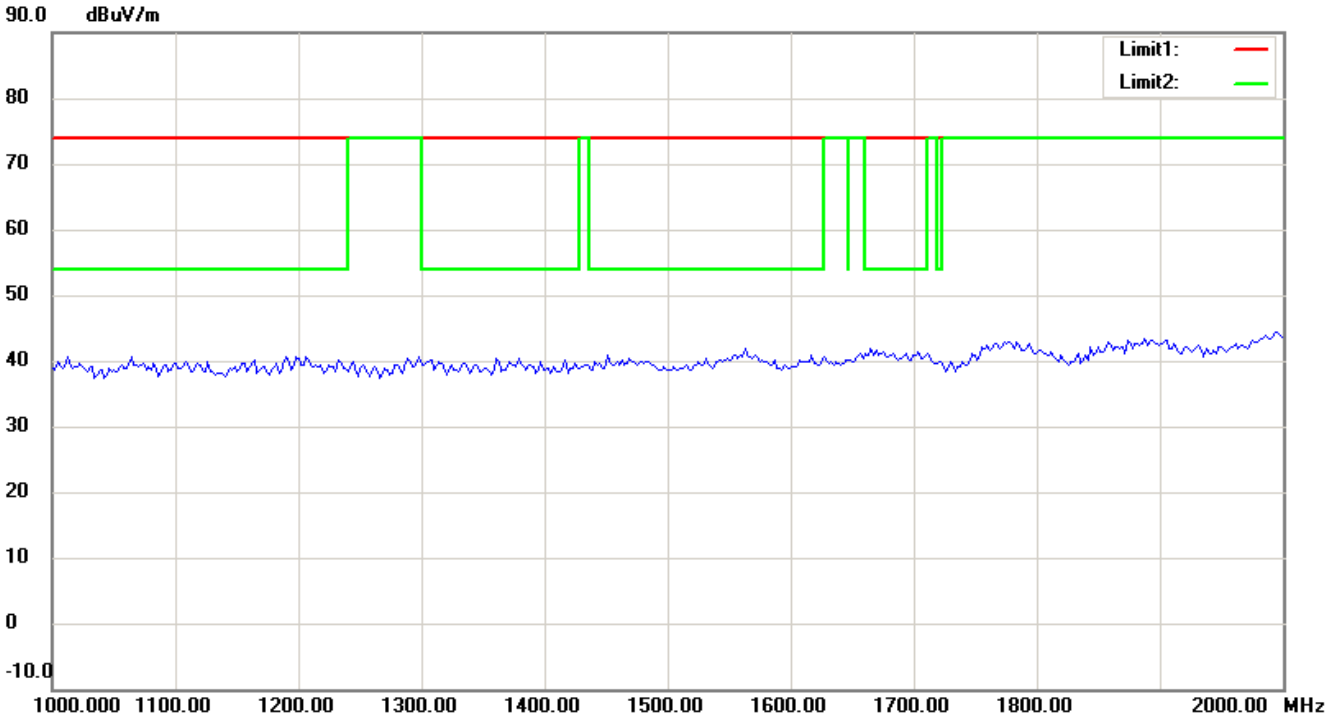
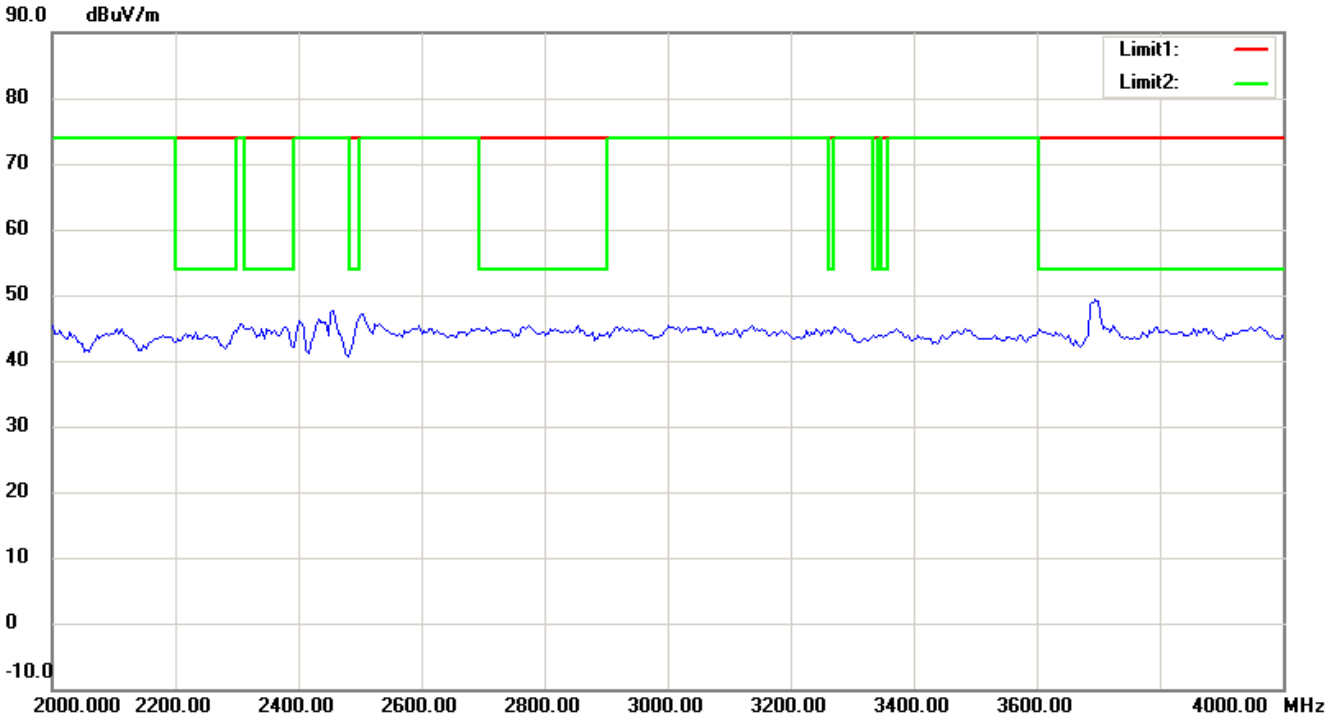
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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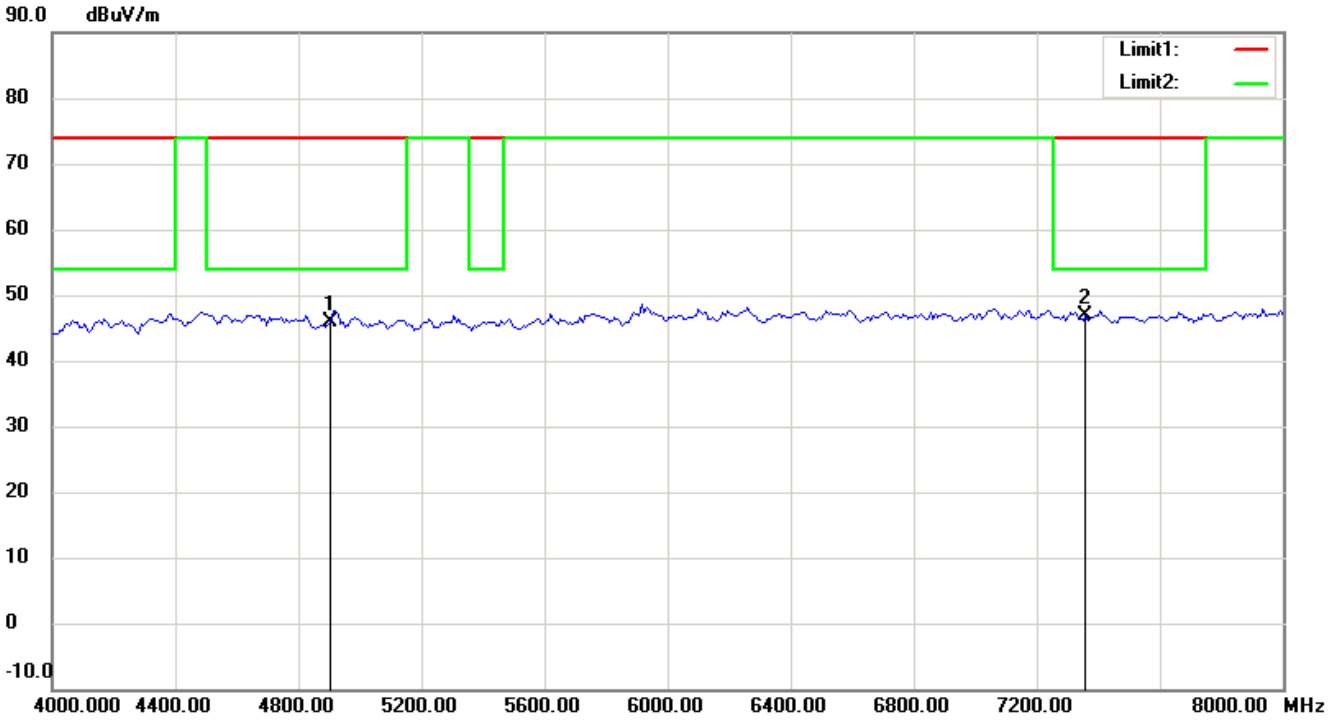
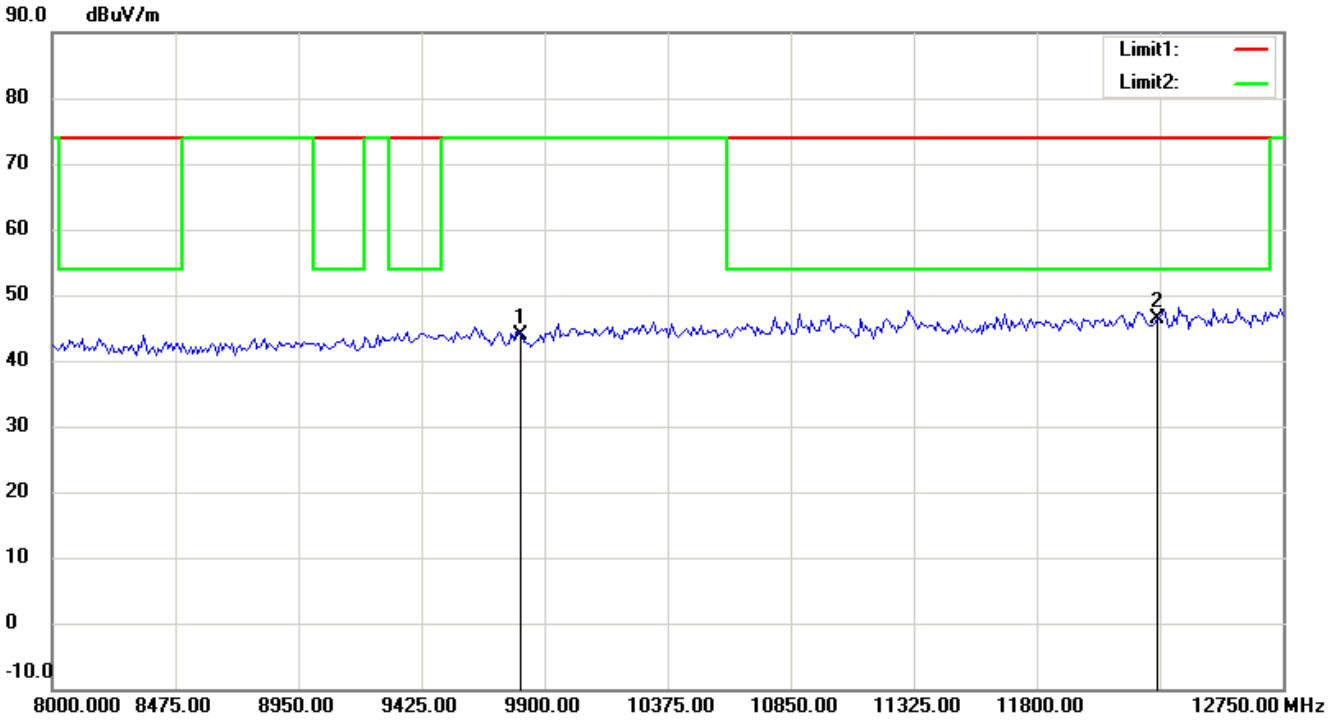
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





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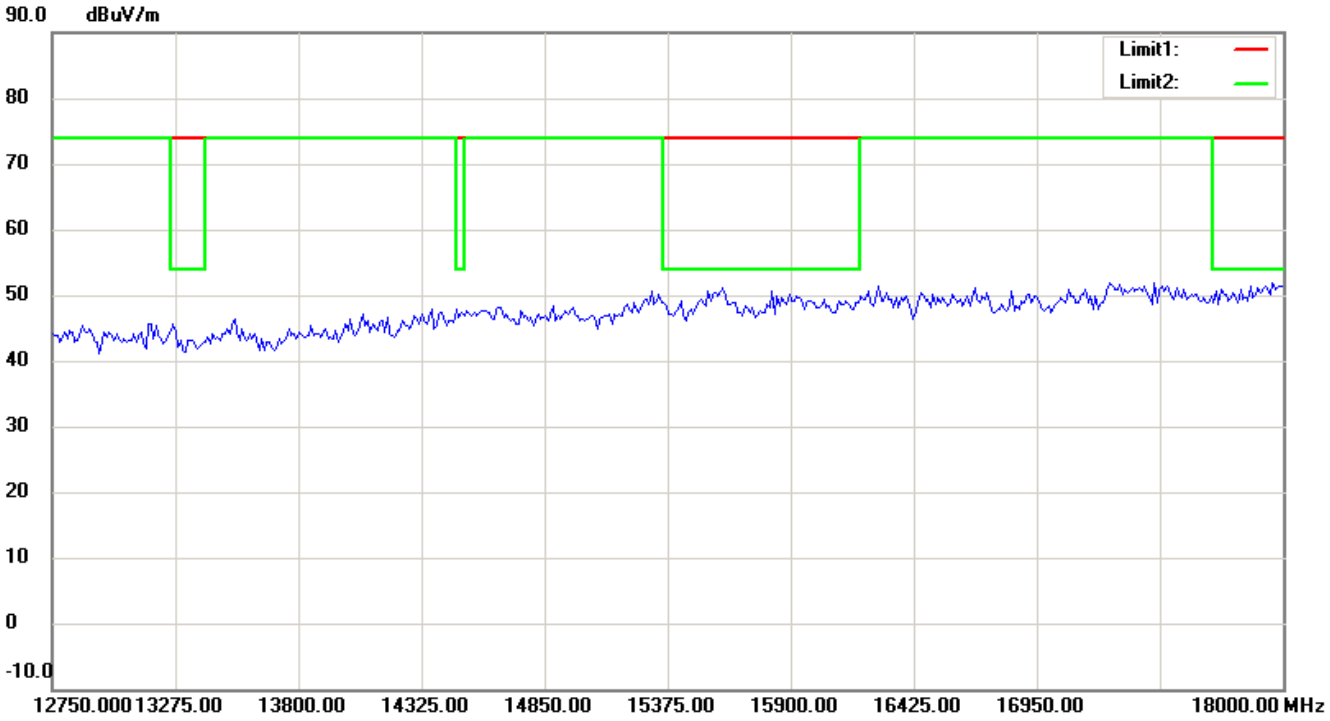
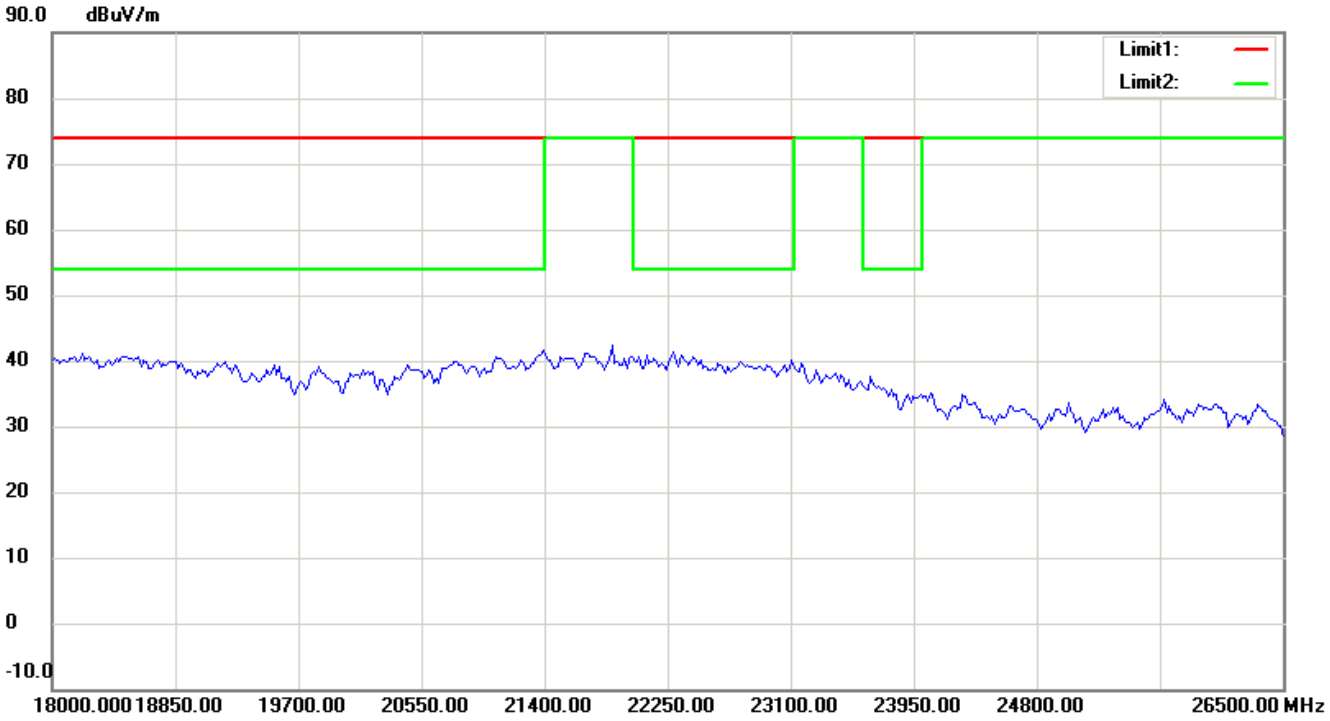
FCC ID: ODMWN370USB





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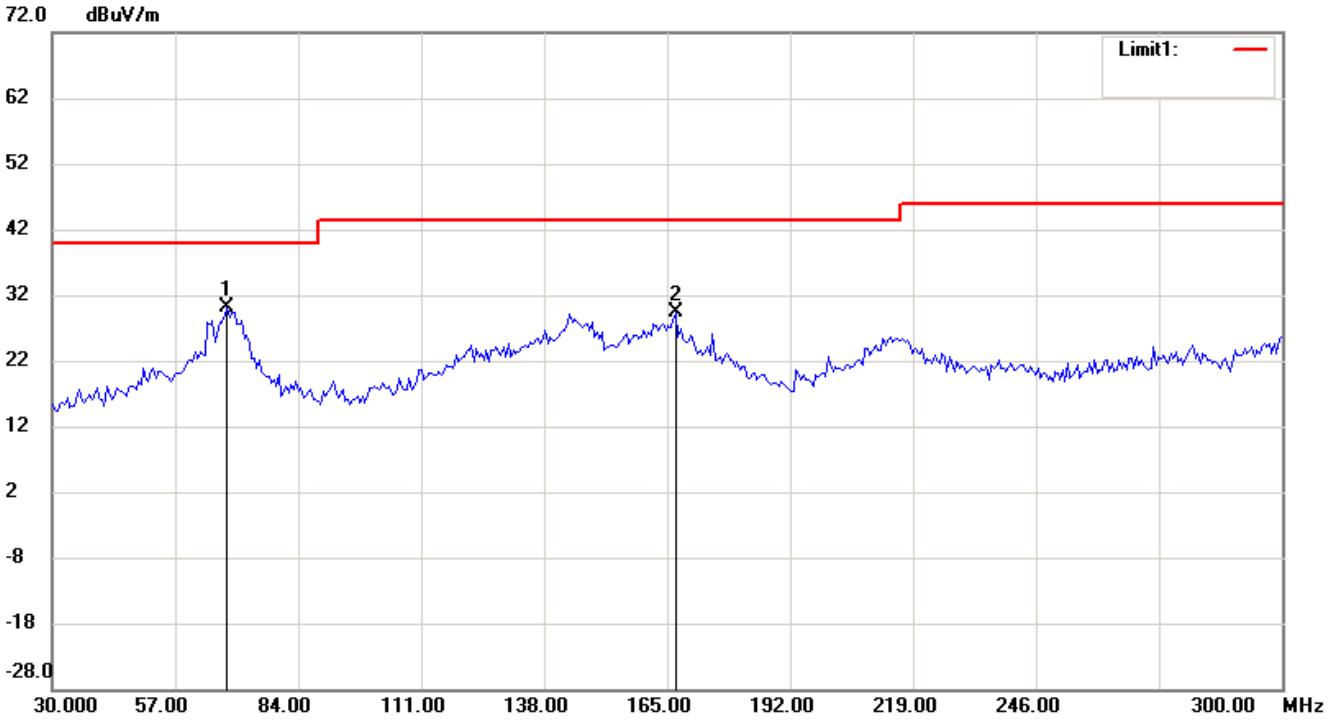
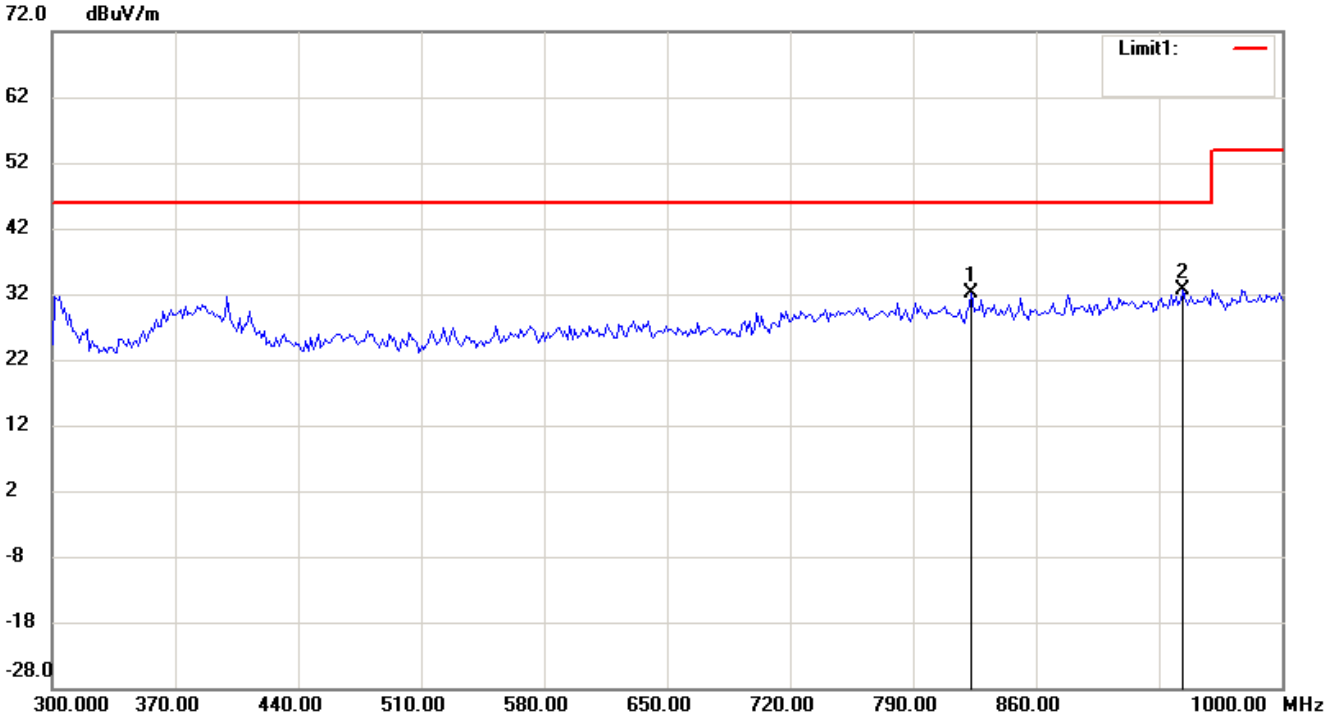
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Spurious Emissions radiated_RX
802.11b
Channel 1
Antenna Polarization H





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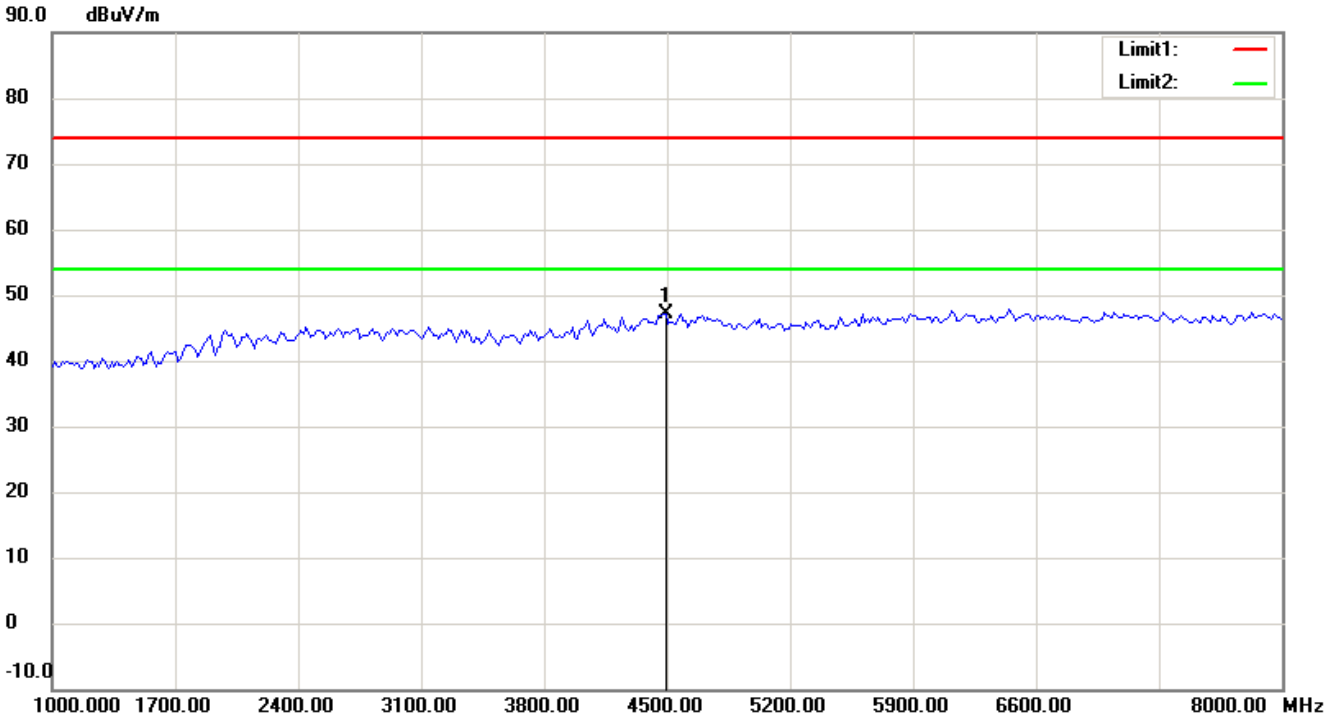
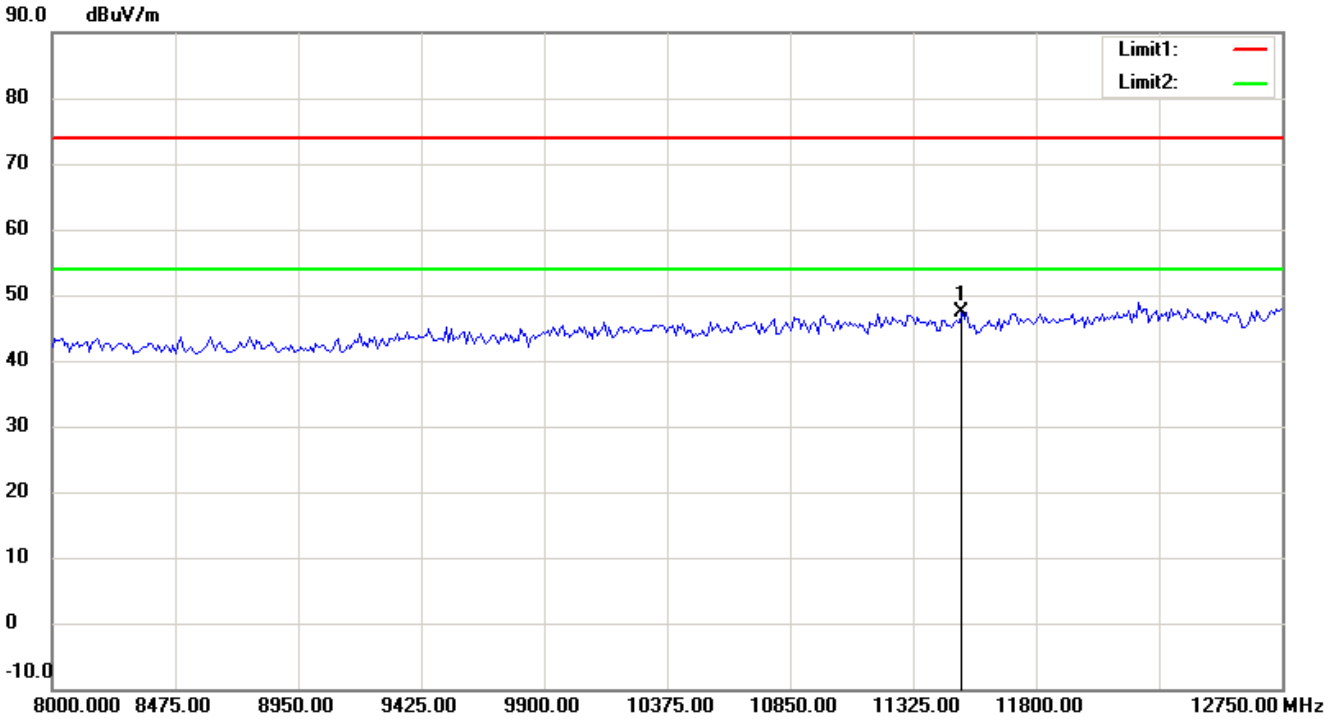
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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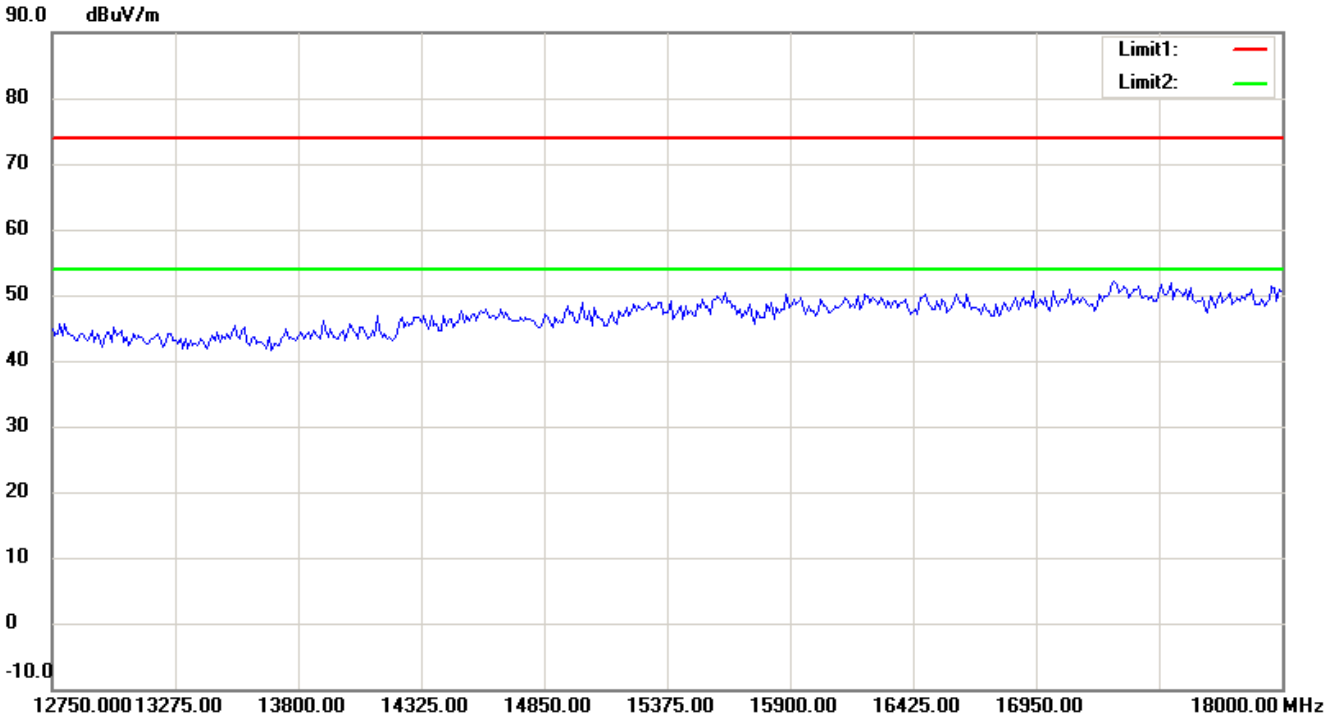
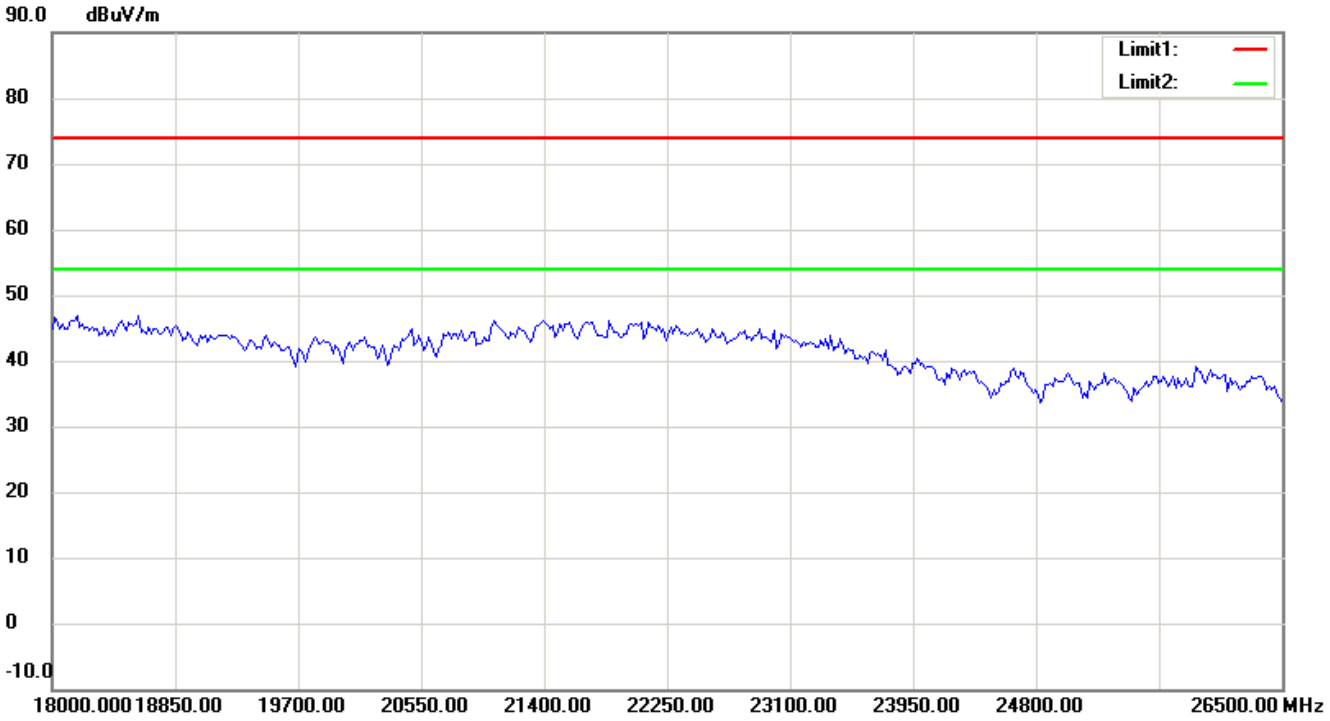
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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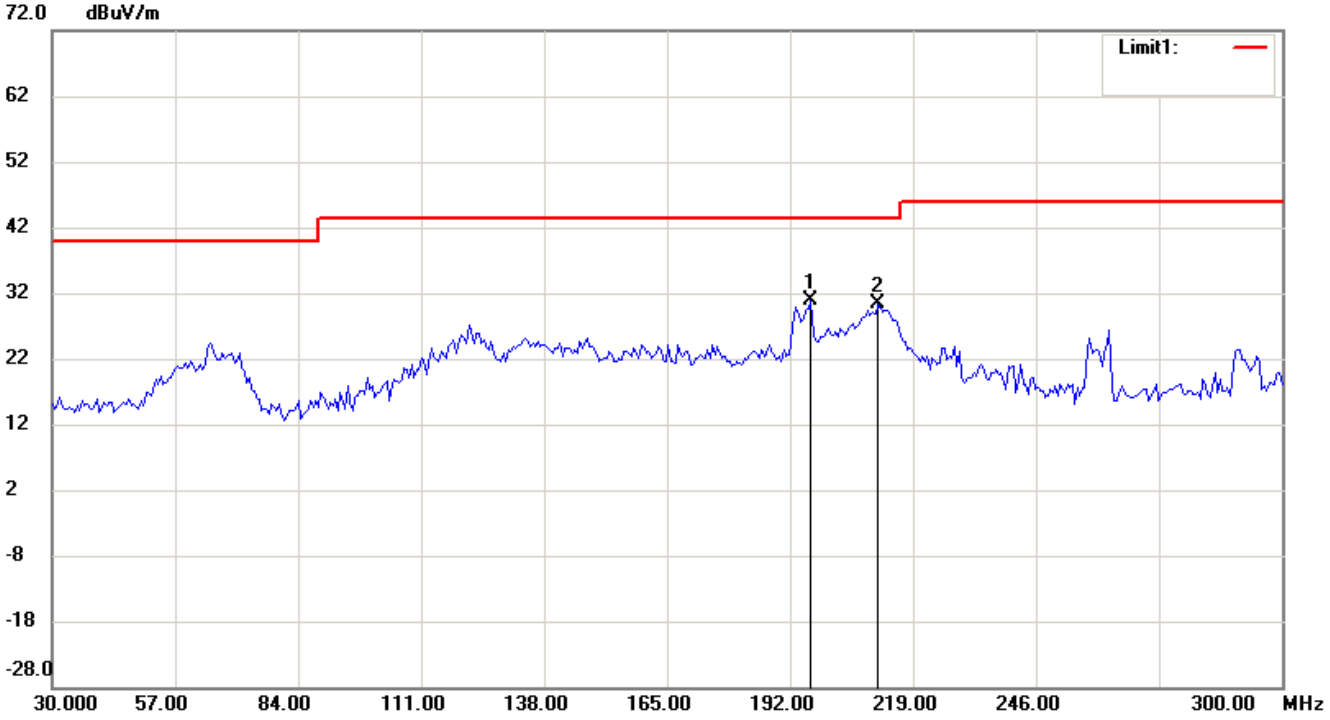
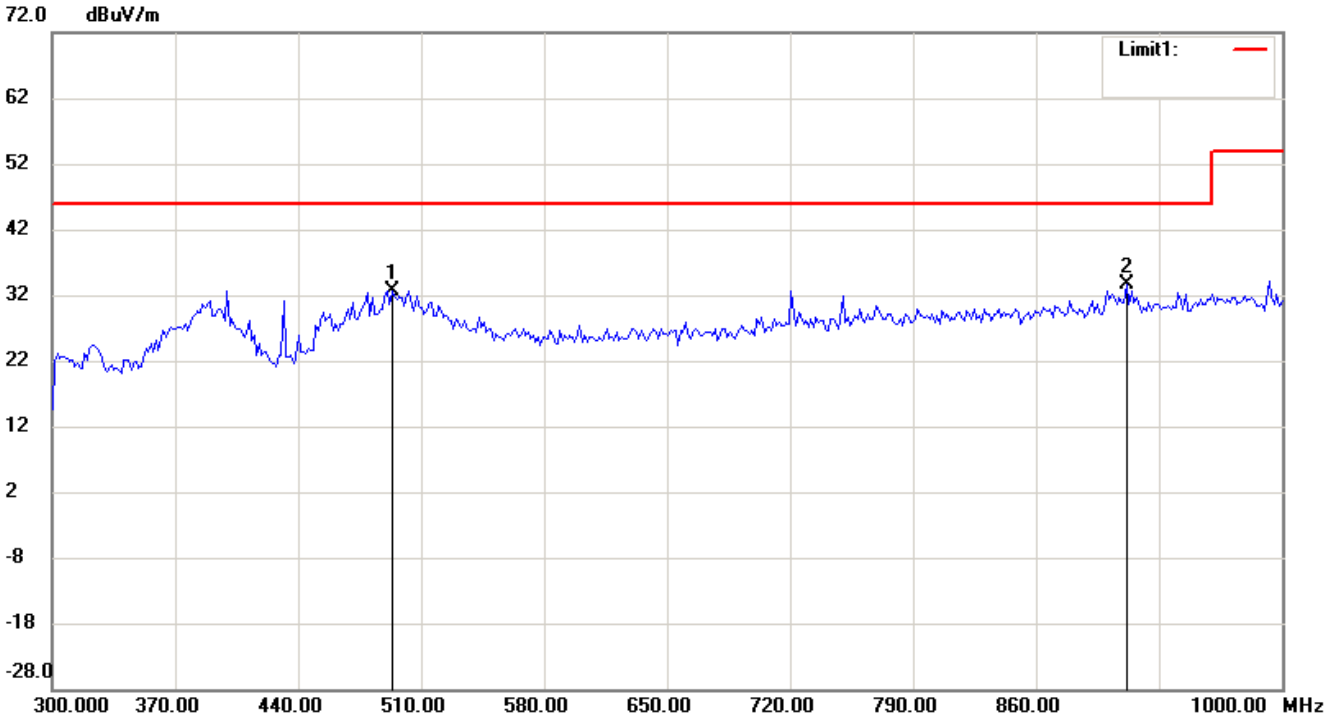
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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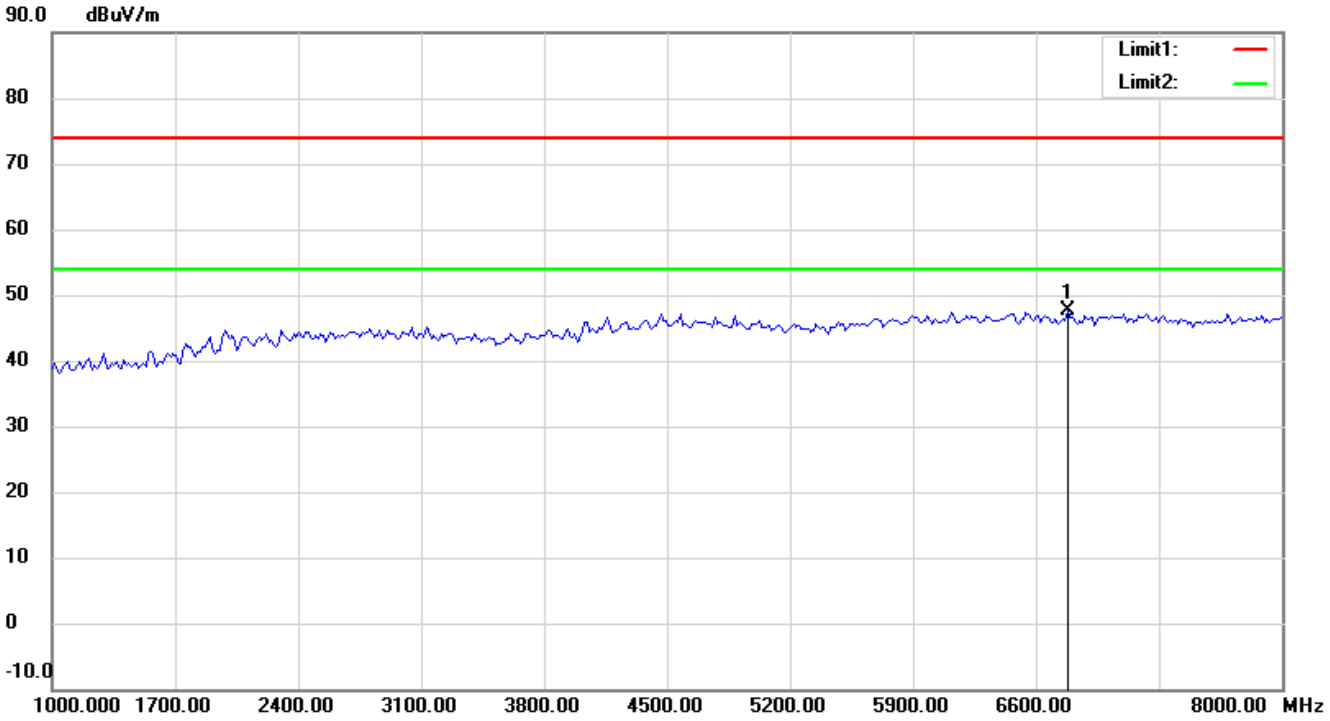
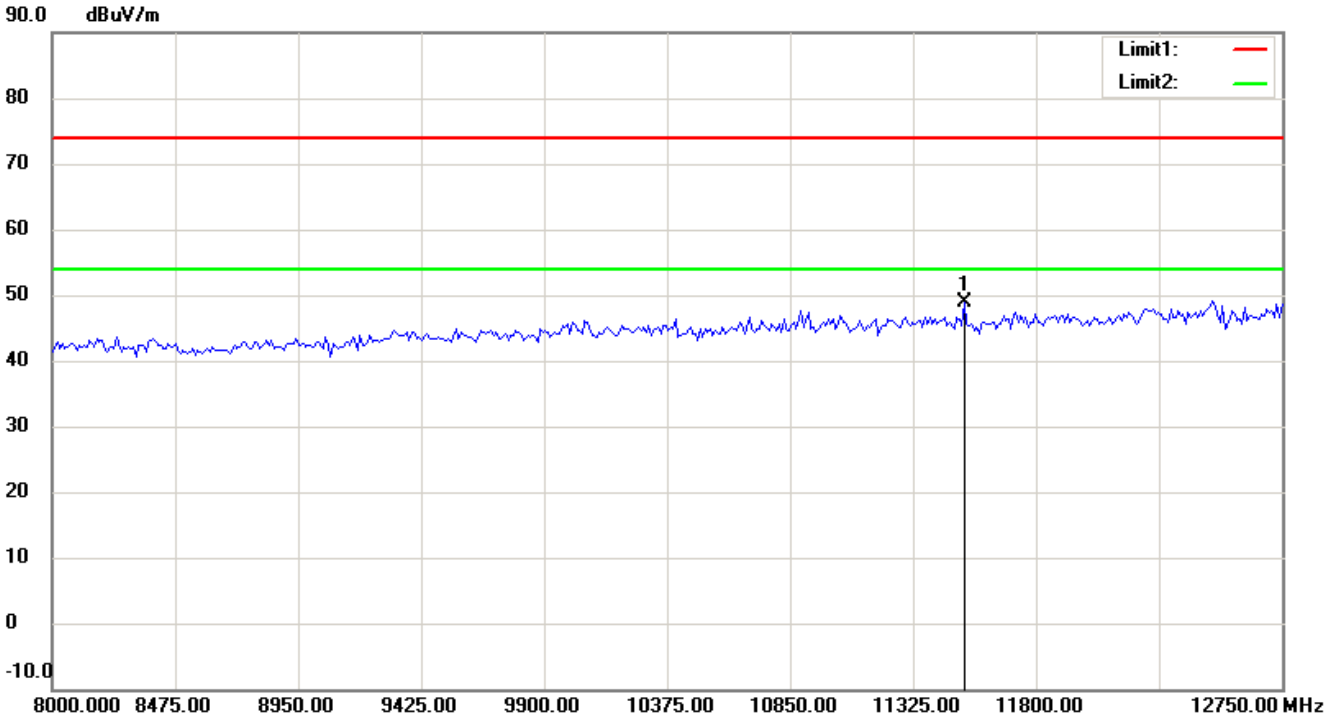
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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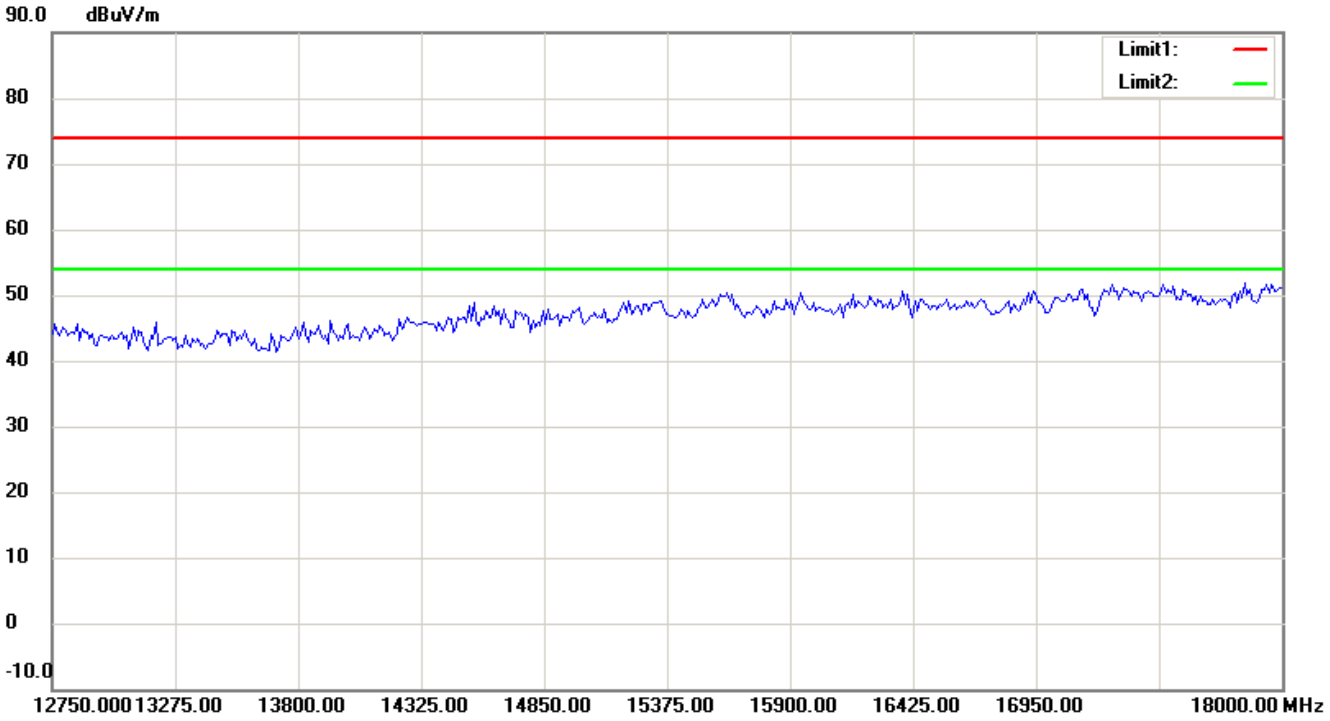
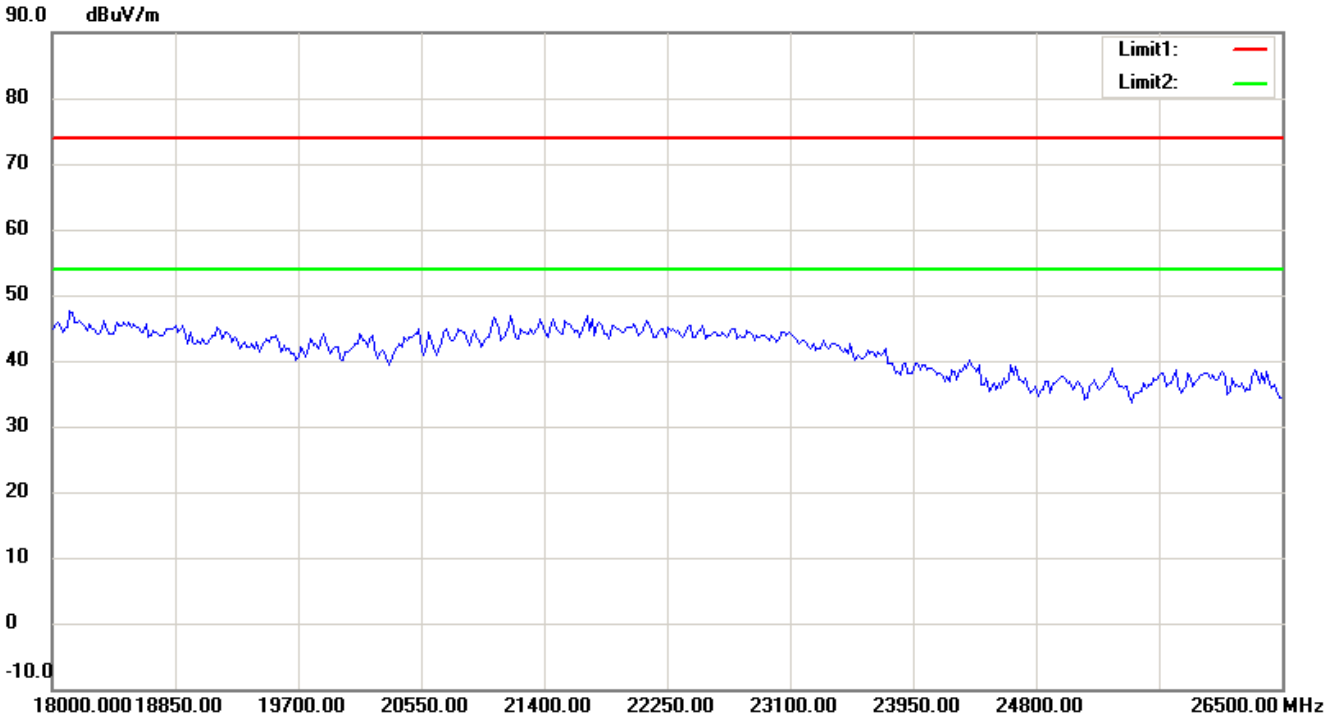
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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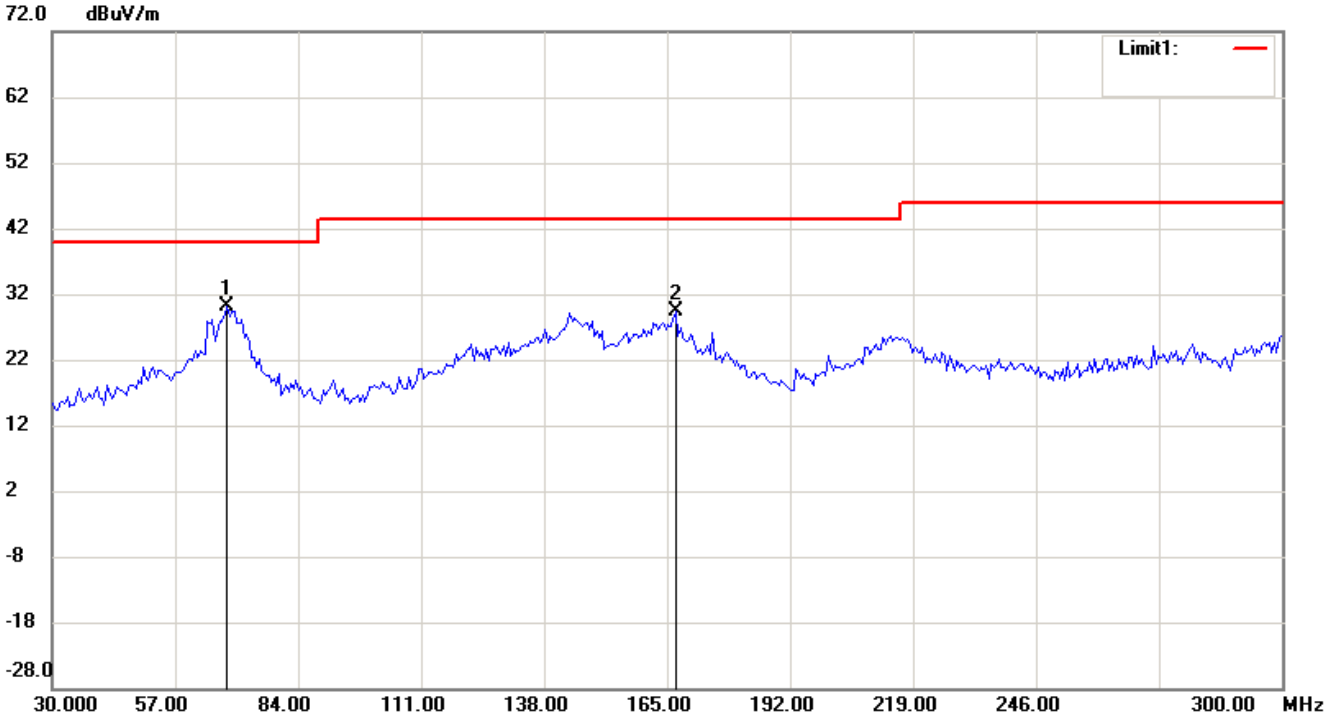
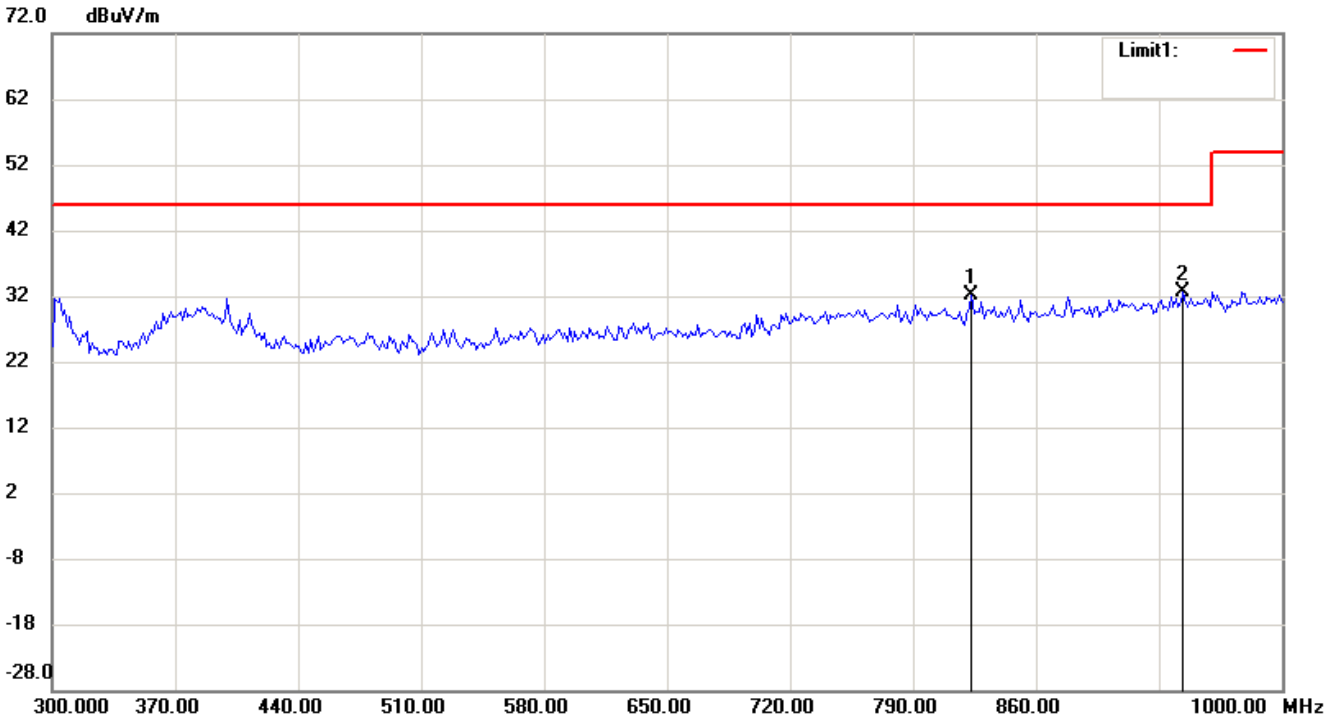
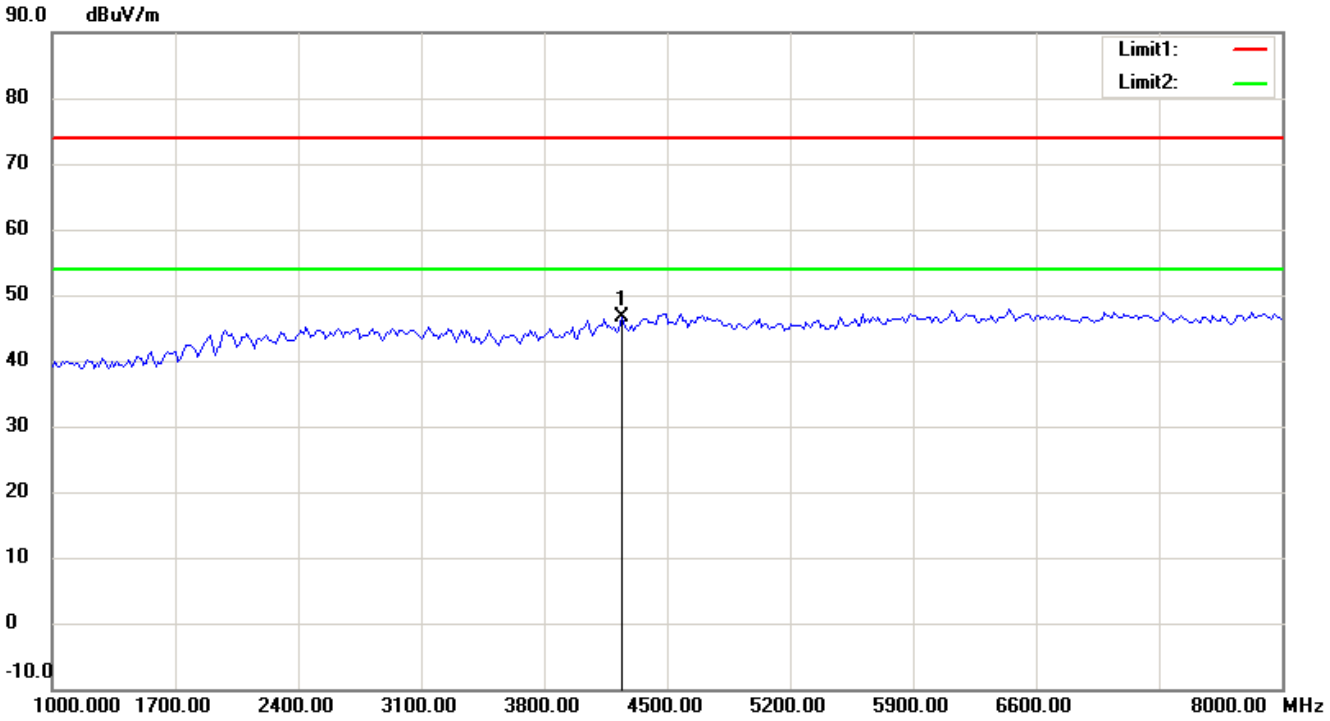
Channel 6
Antenna Polarization H

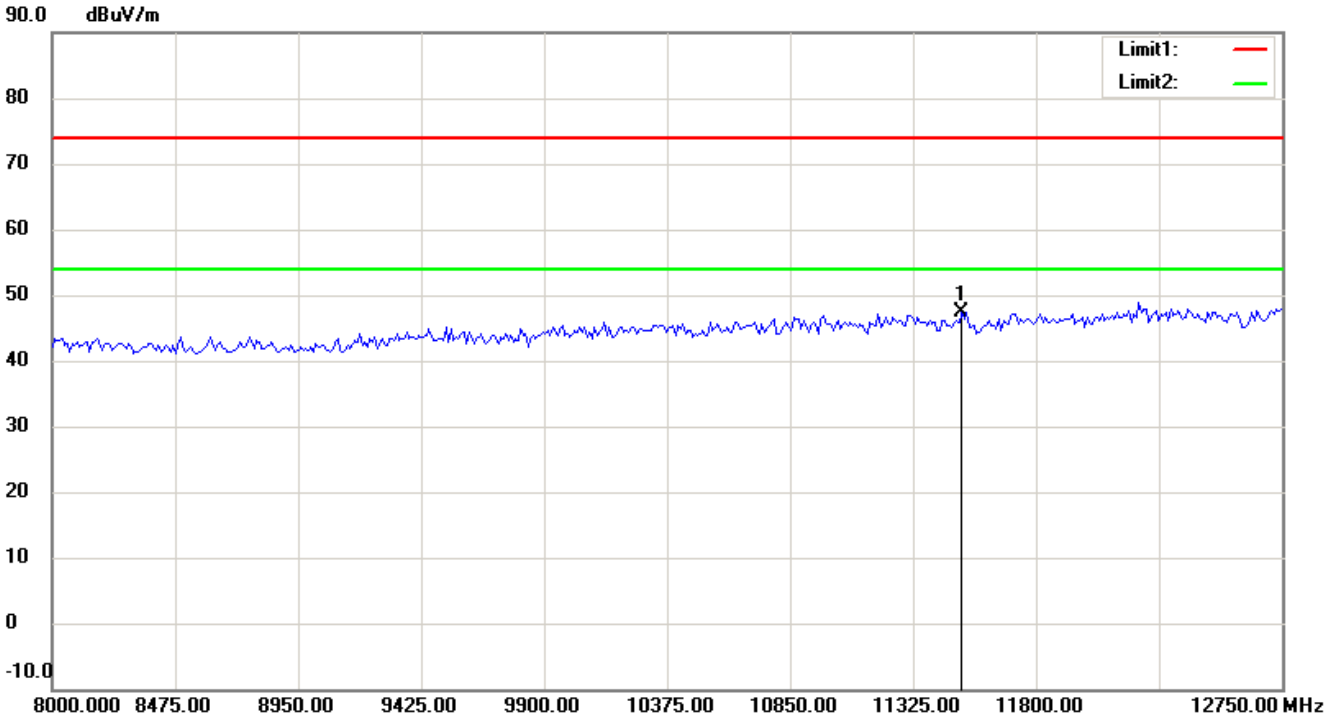




Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
1 The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2 The some frequencies may exceed the limit line without the specified detectors, but 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: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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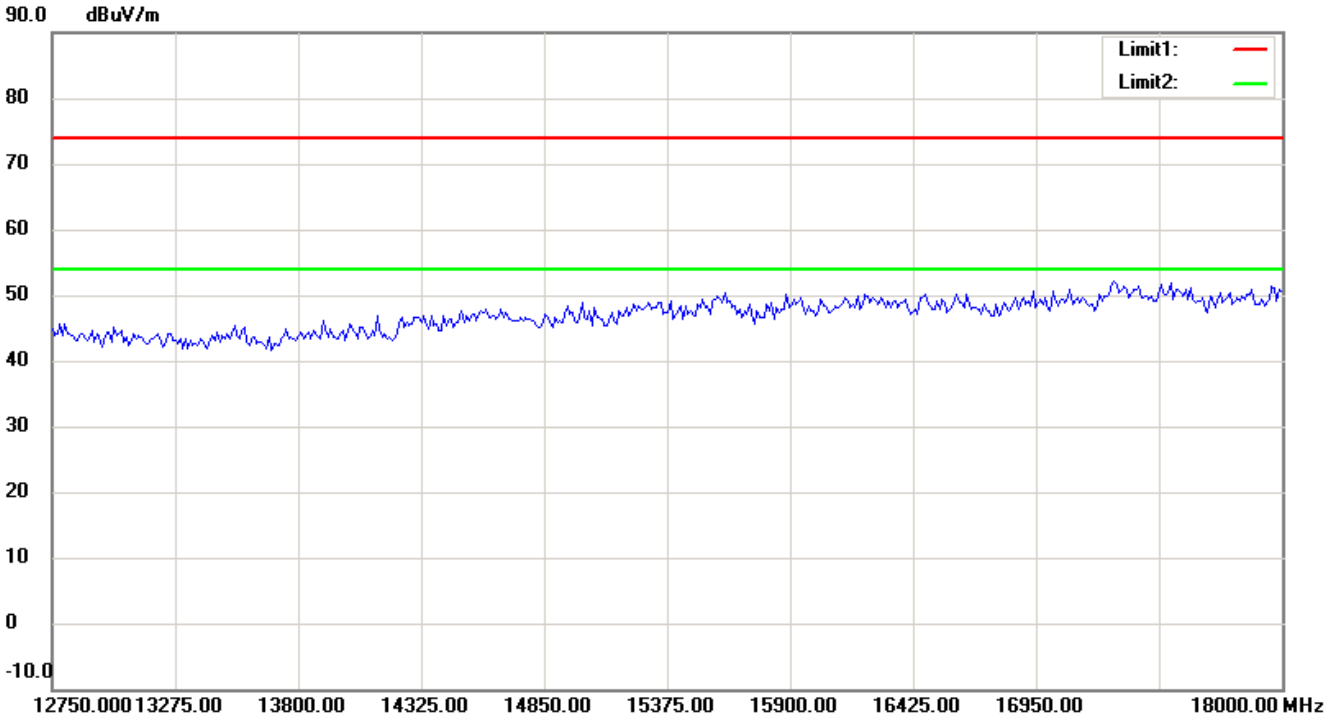
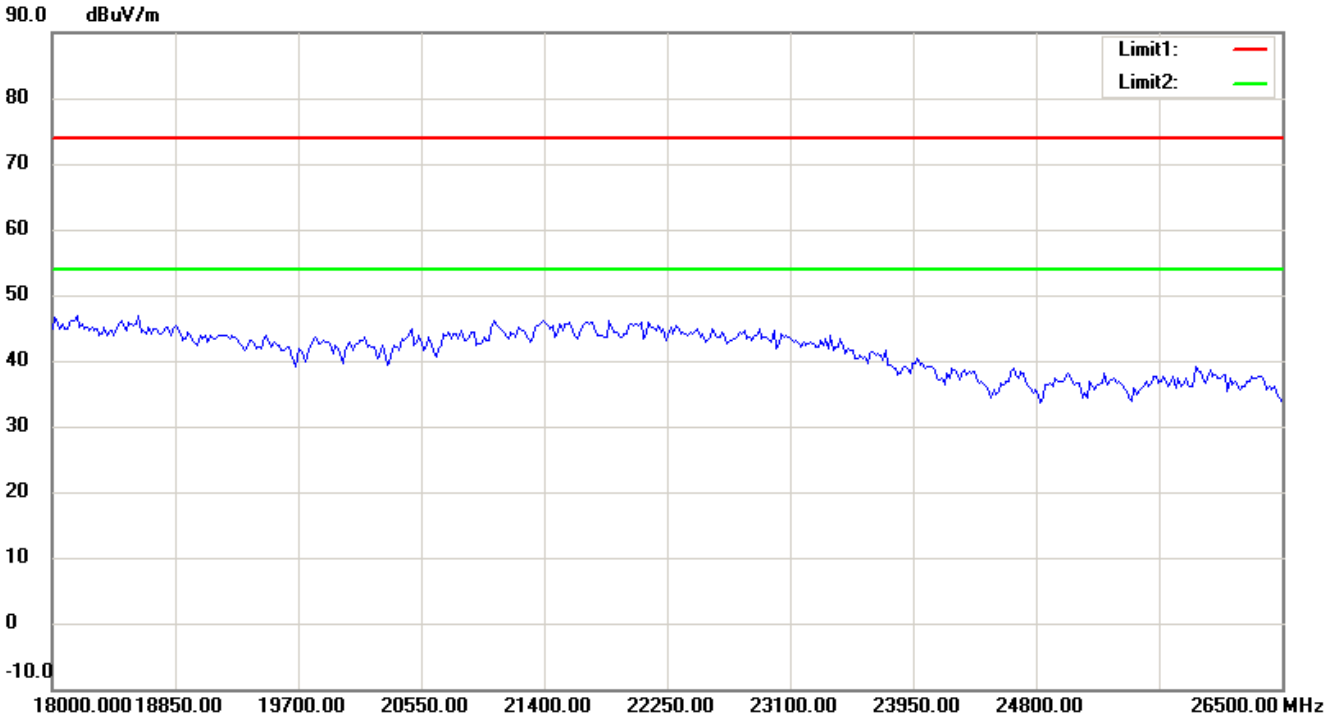
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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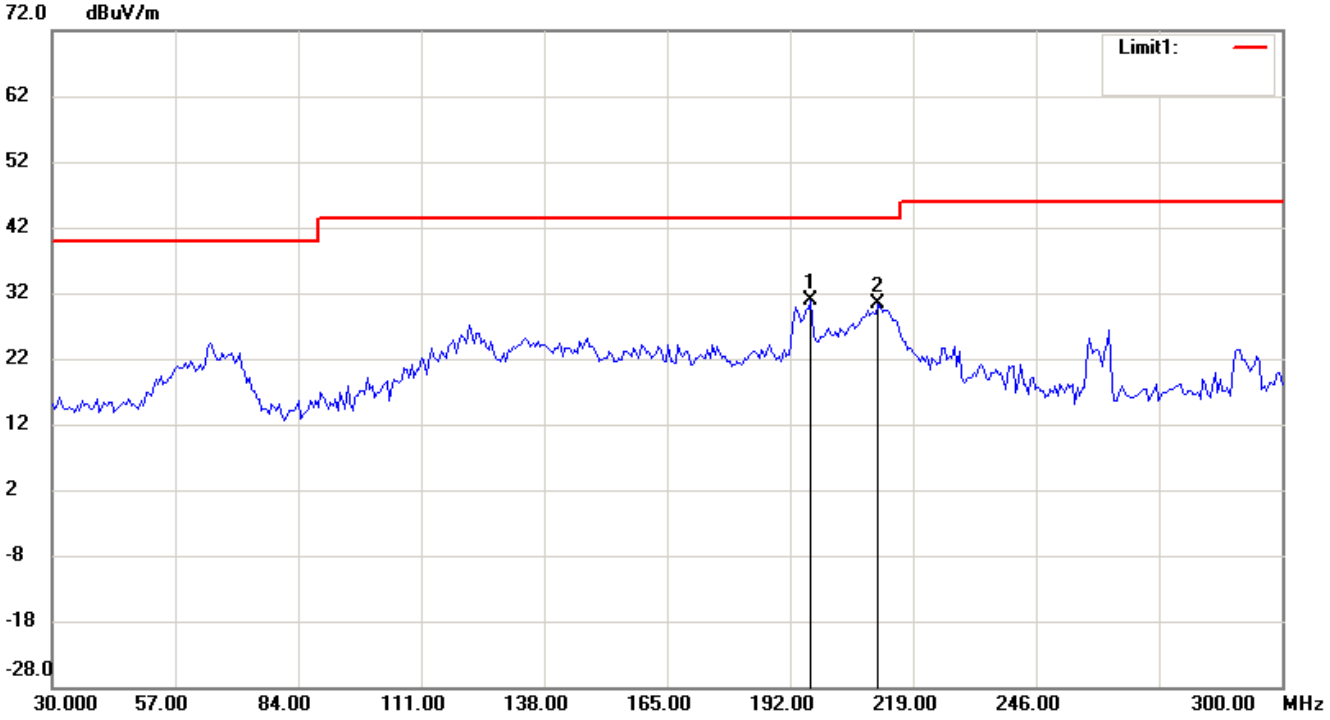
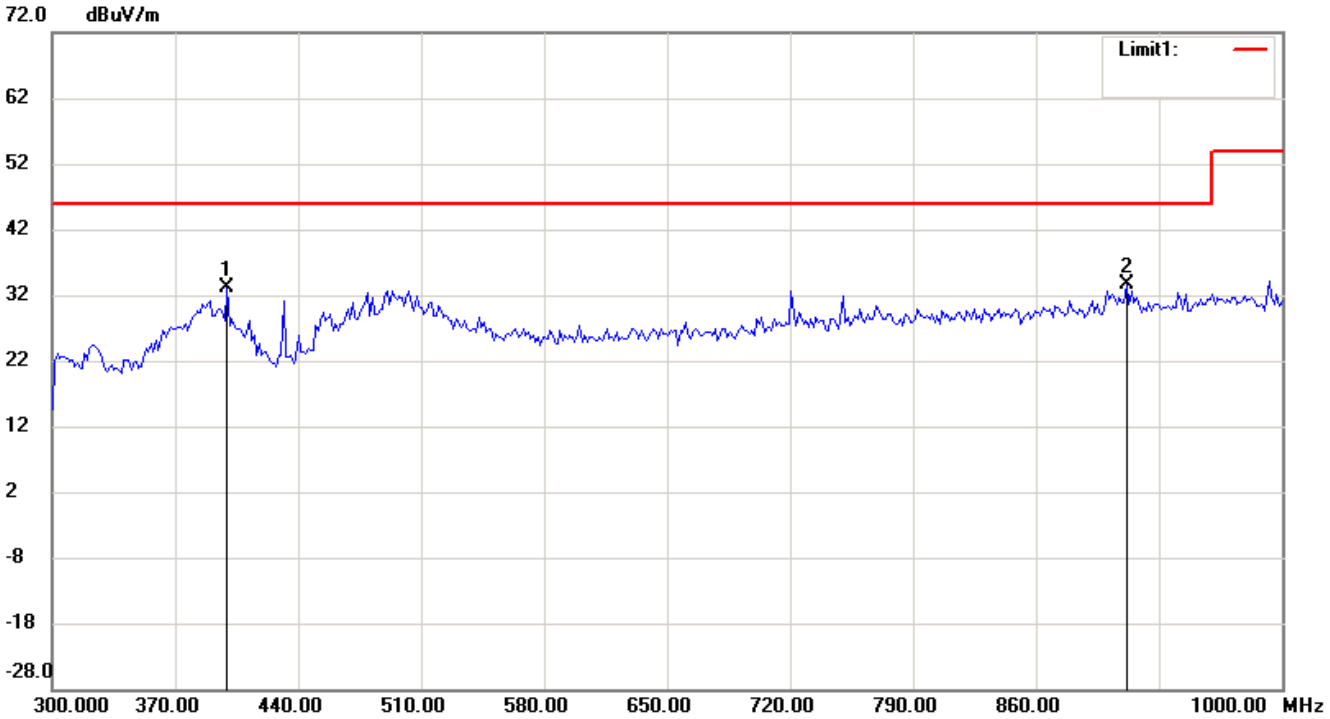
Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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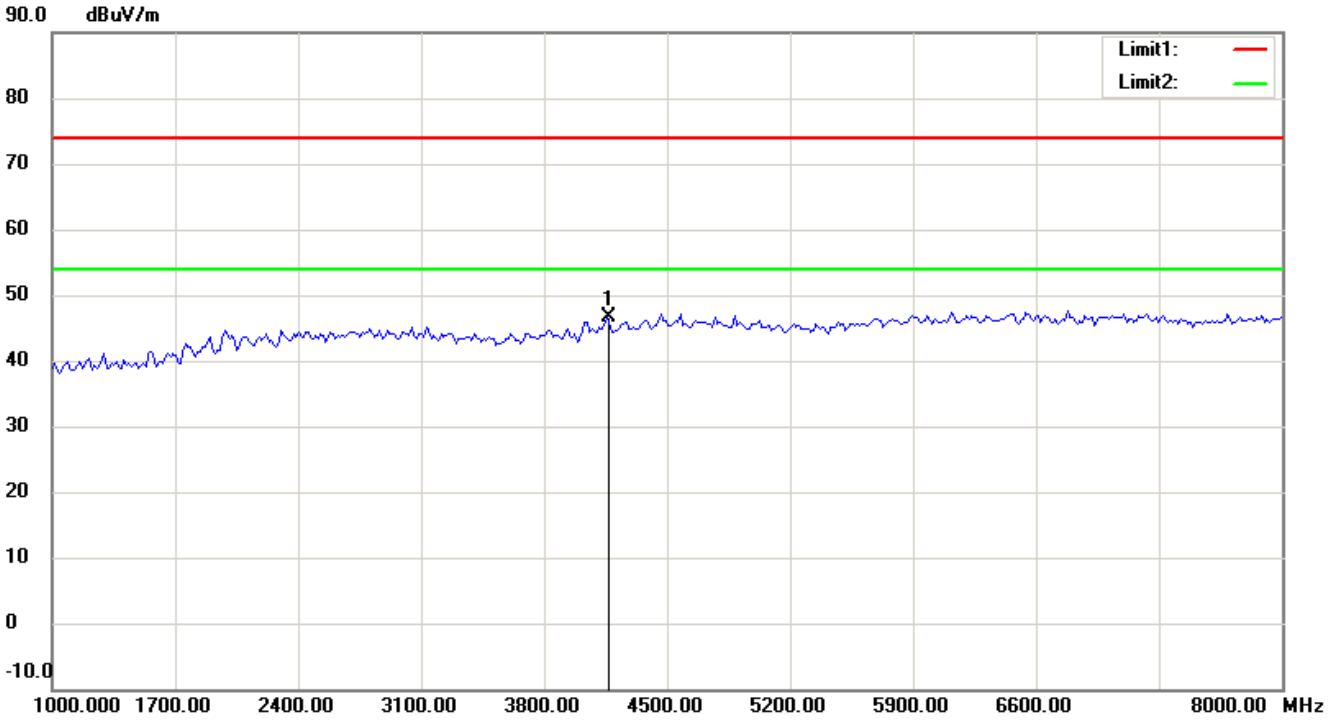
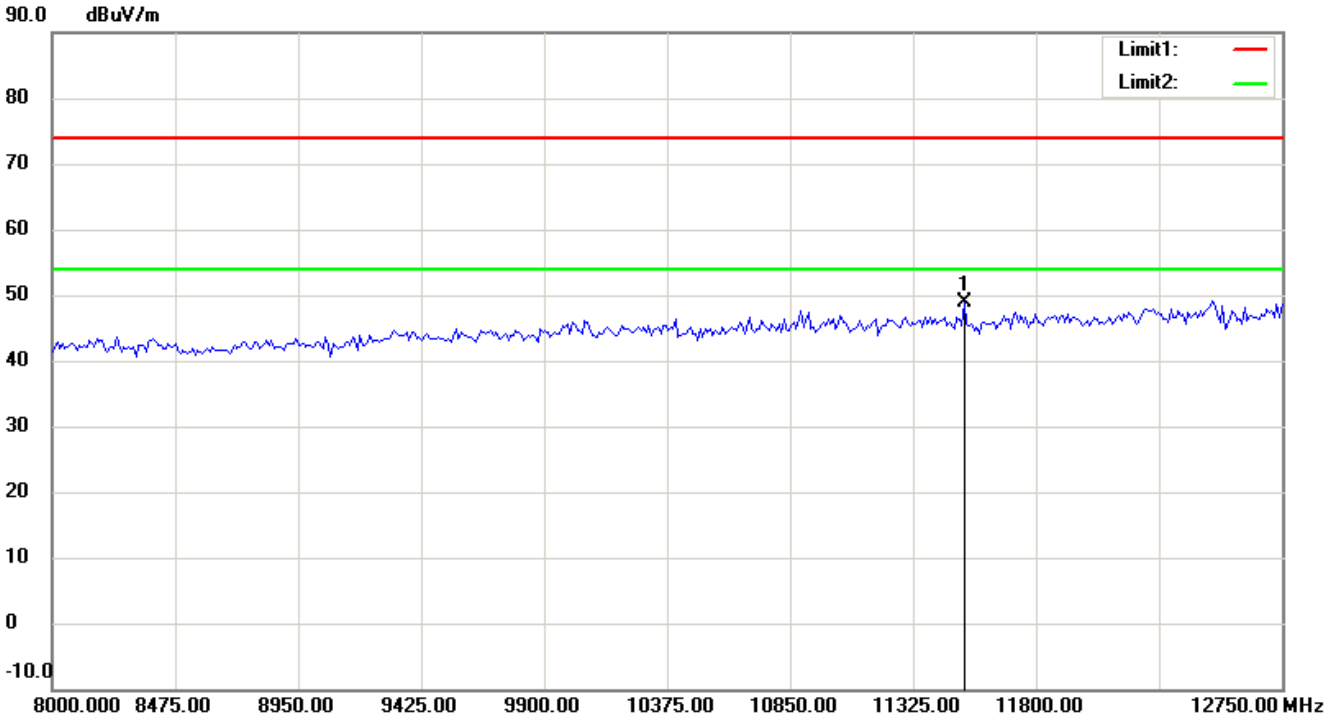
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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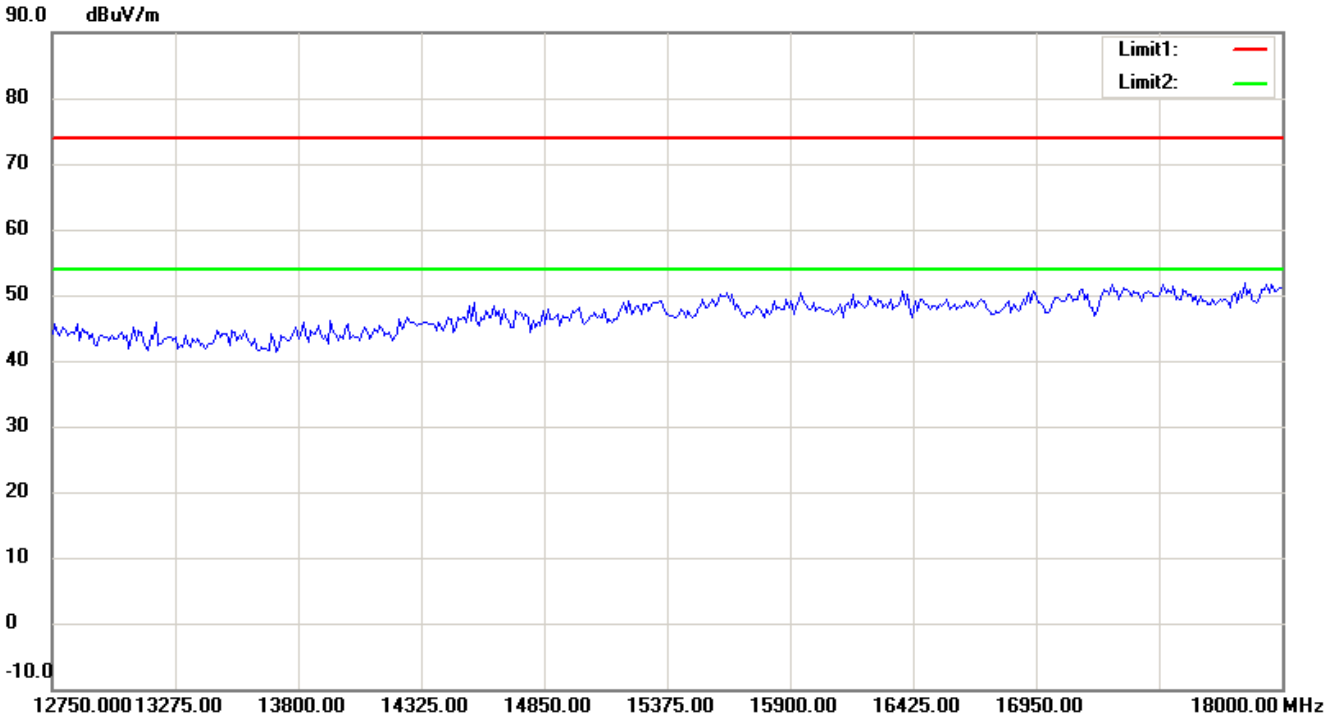
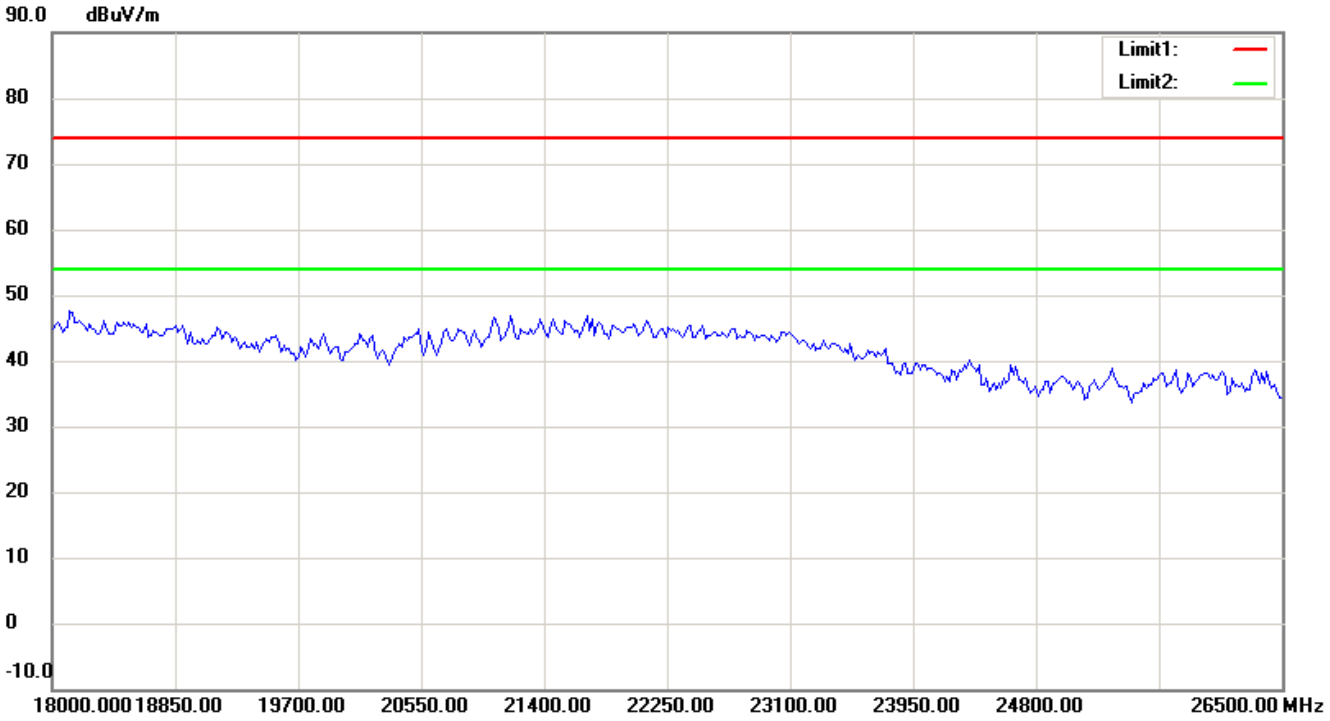
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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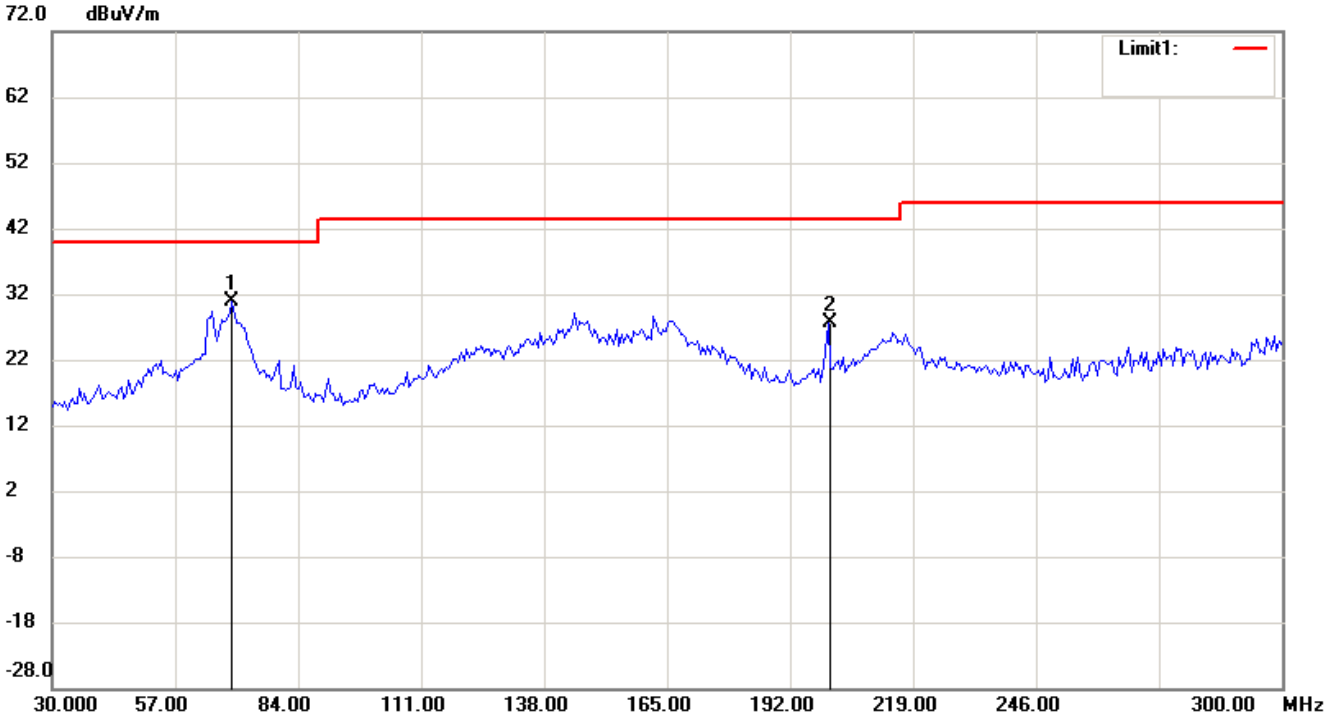
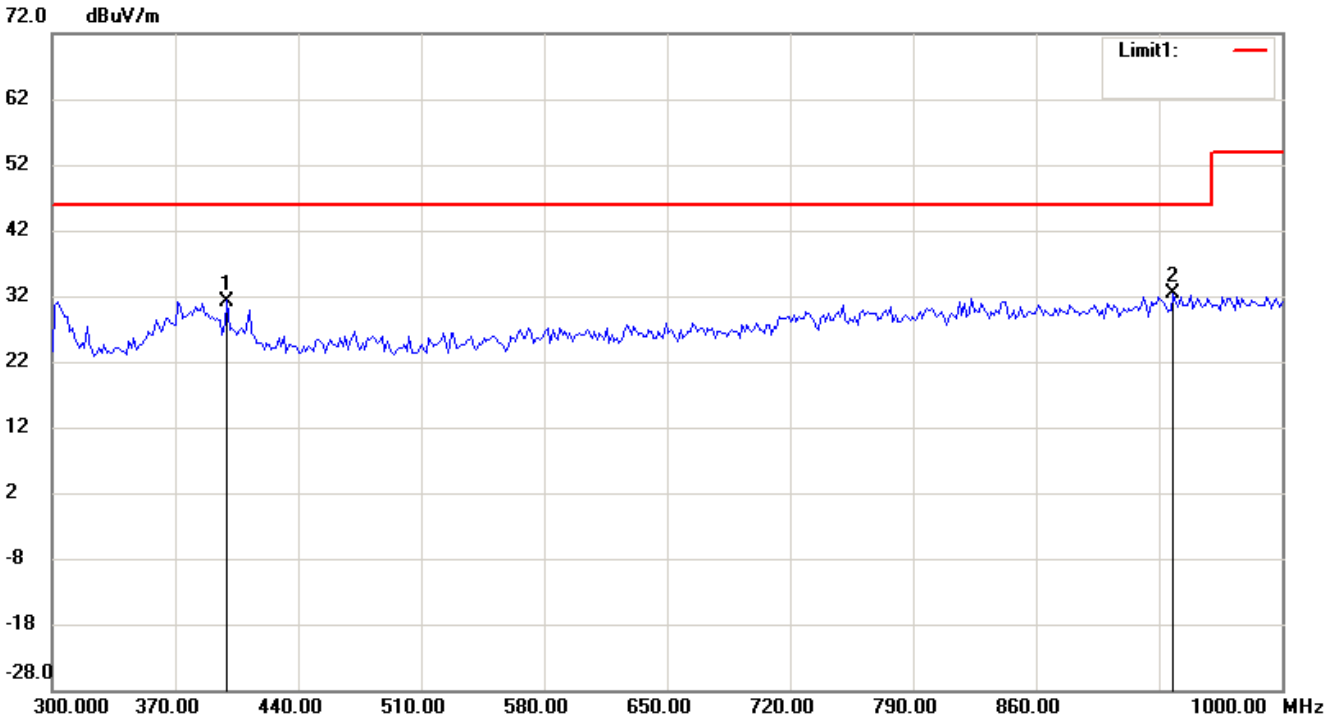
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Channel 11
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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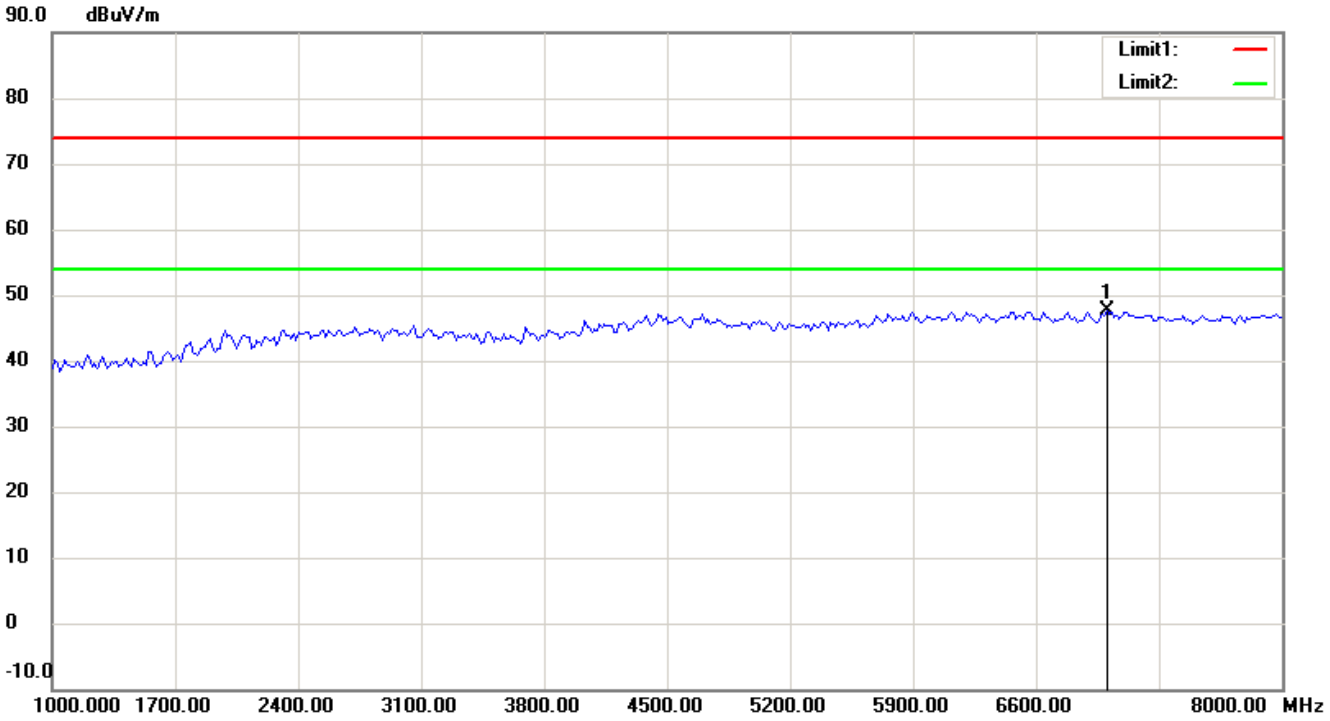
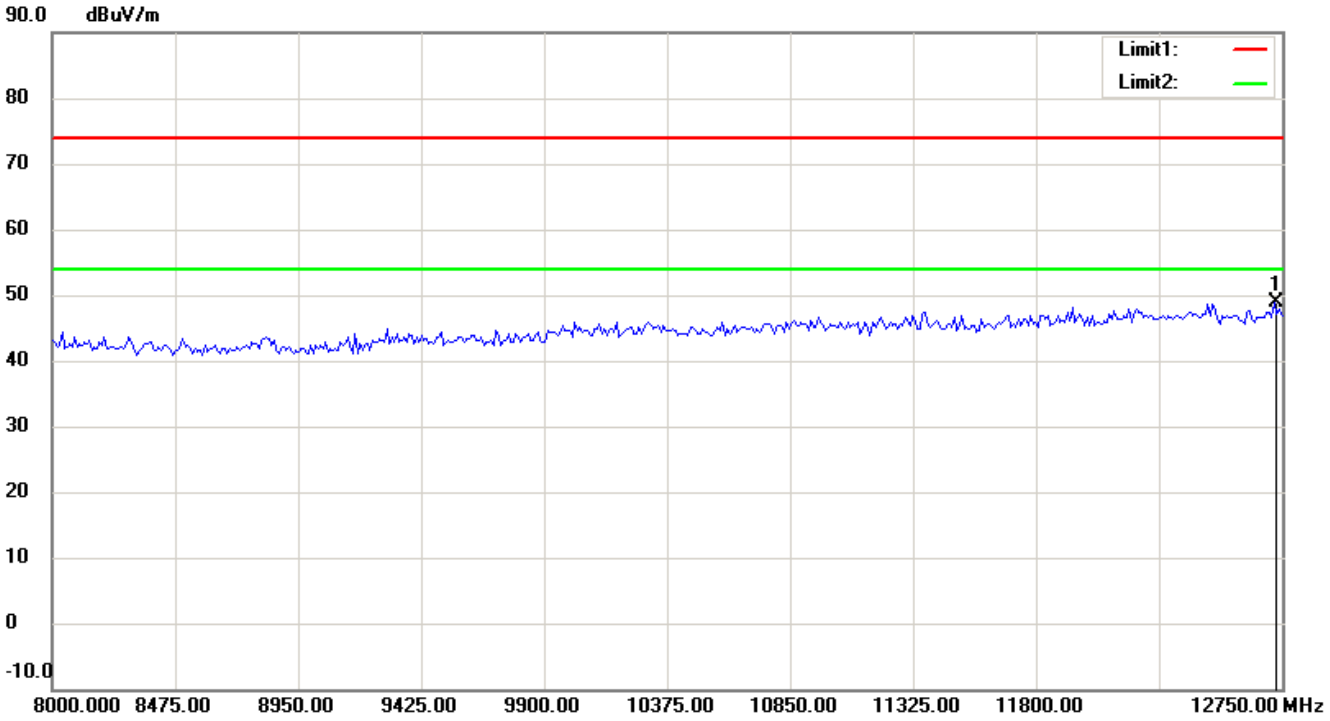
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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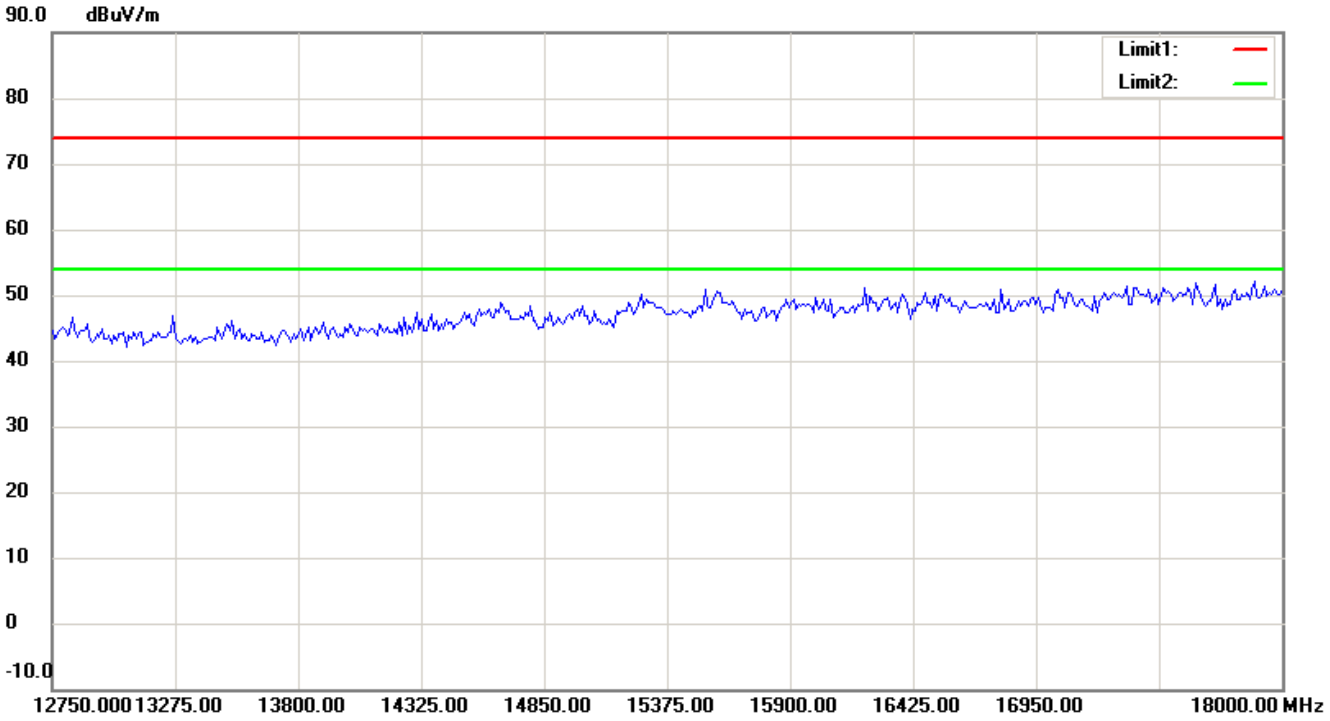
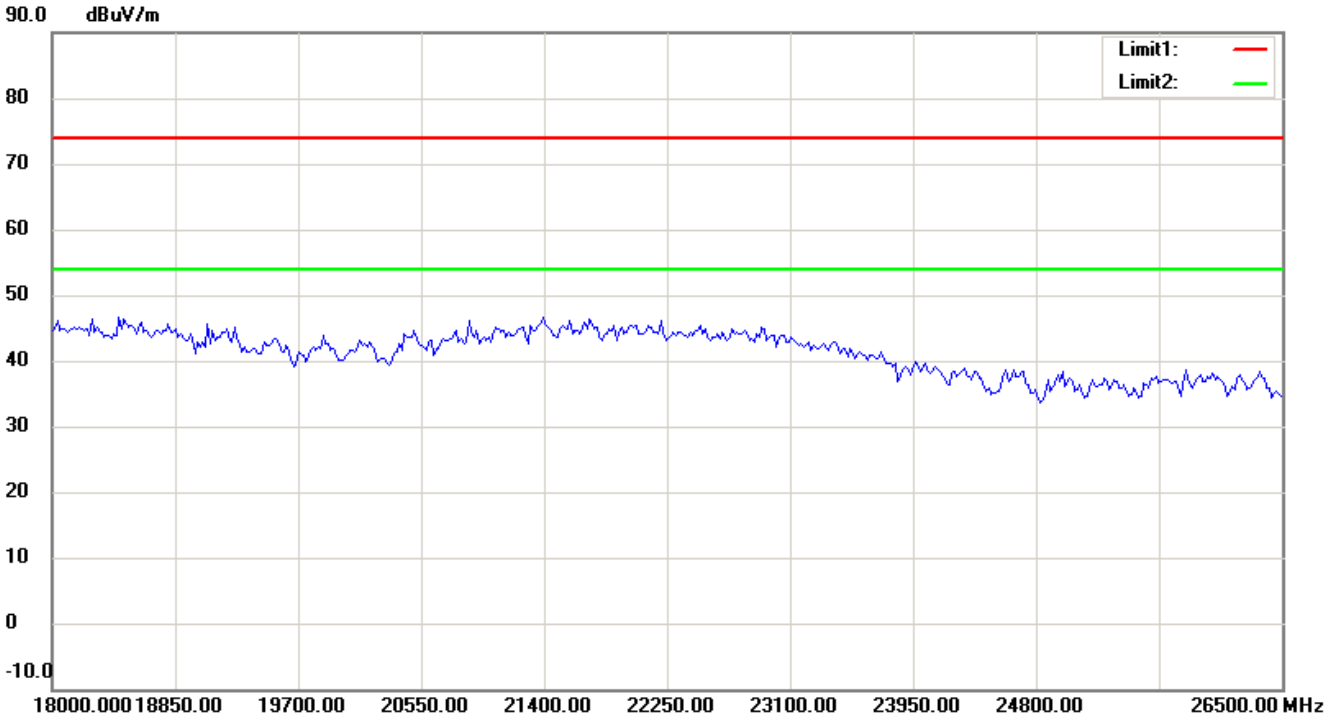
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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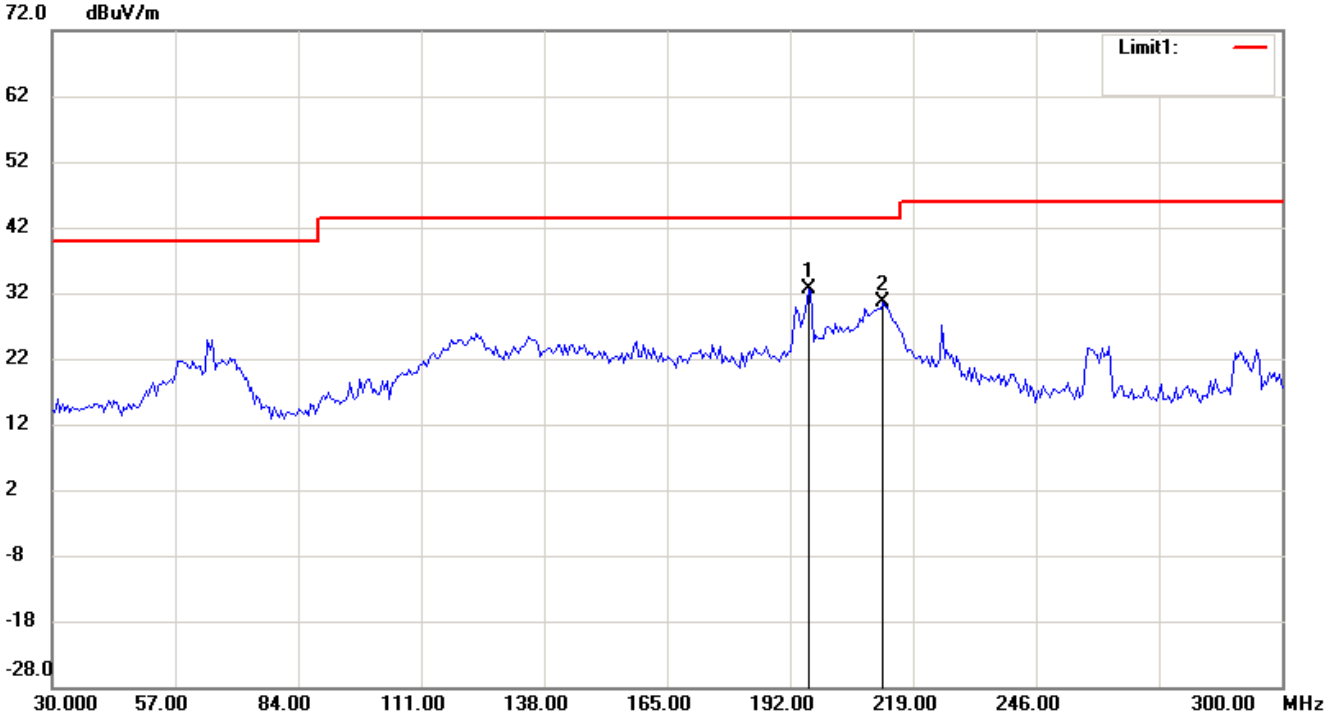
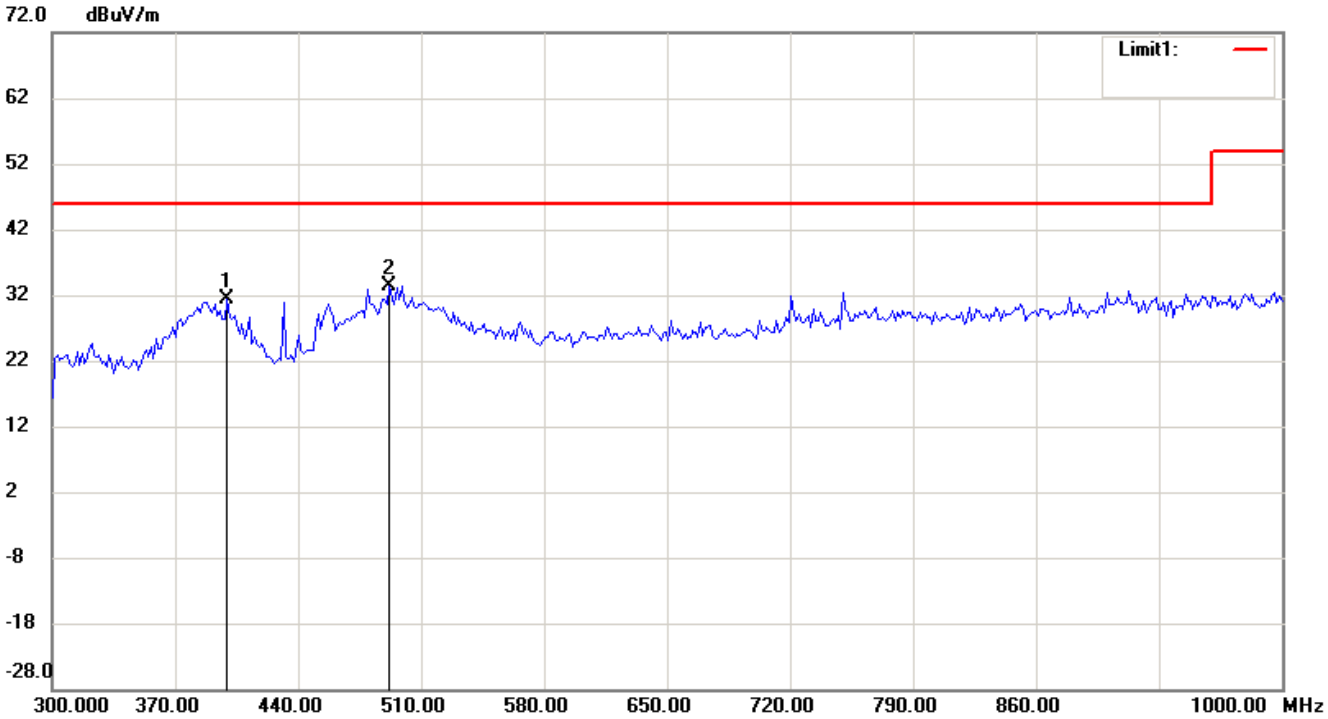
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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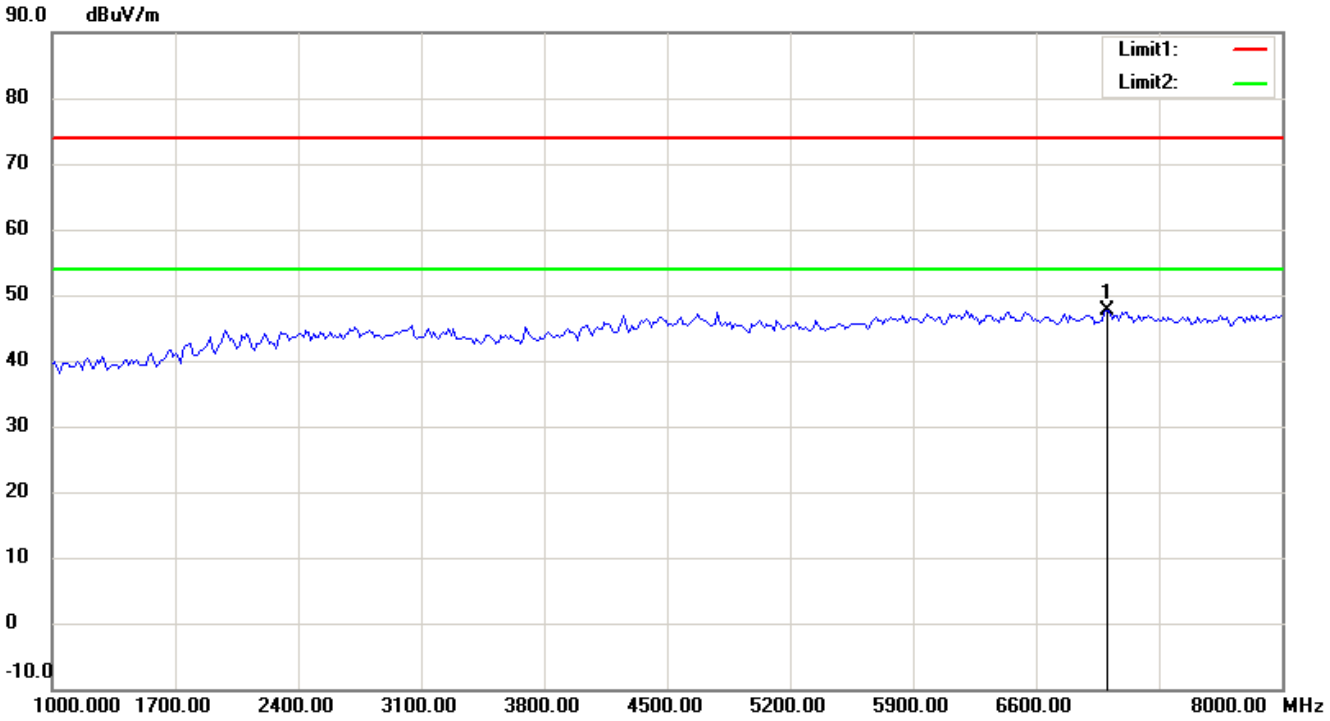
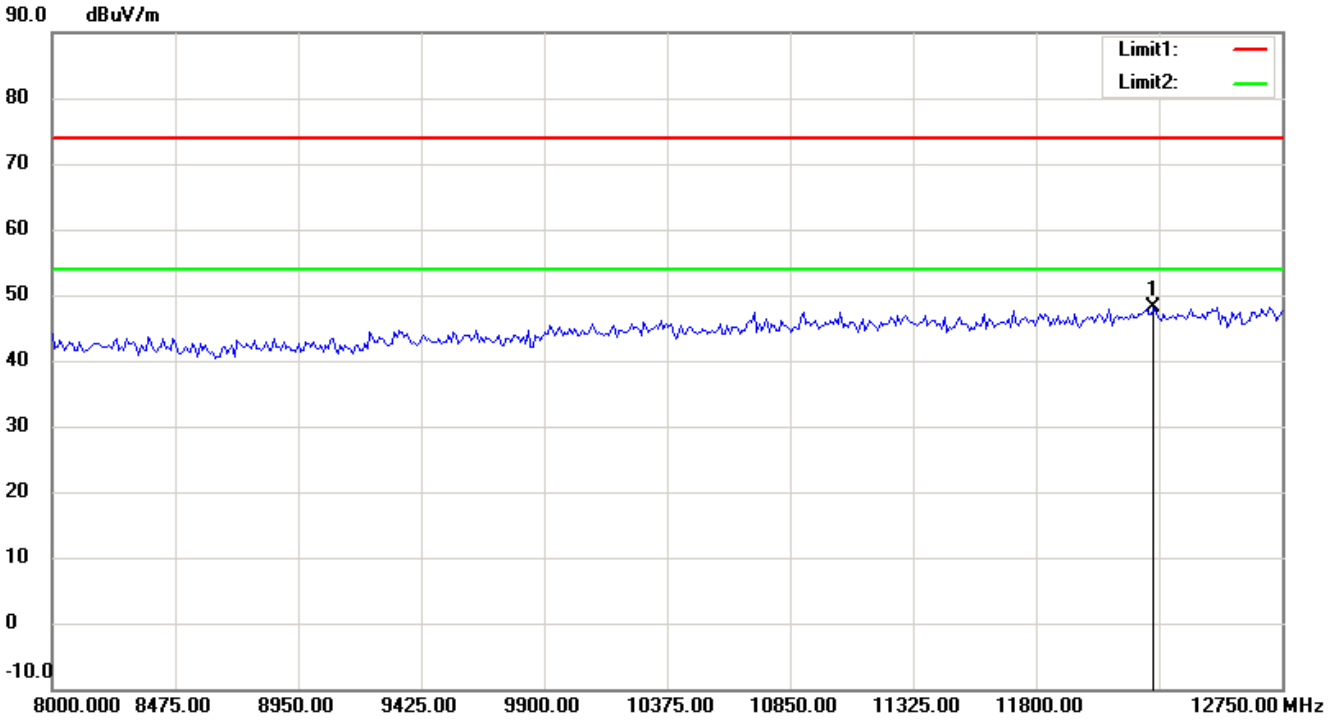
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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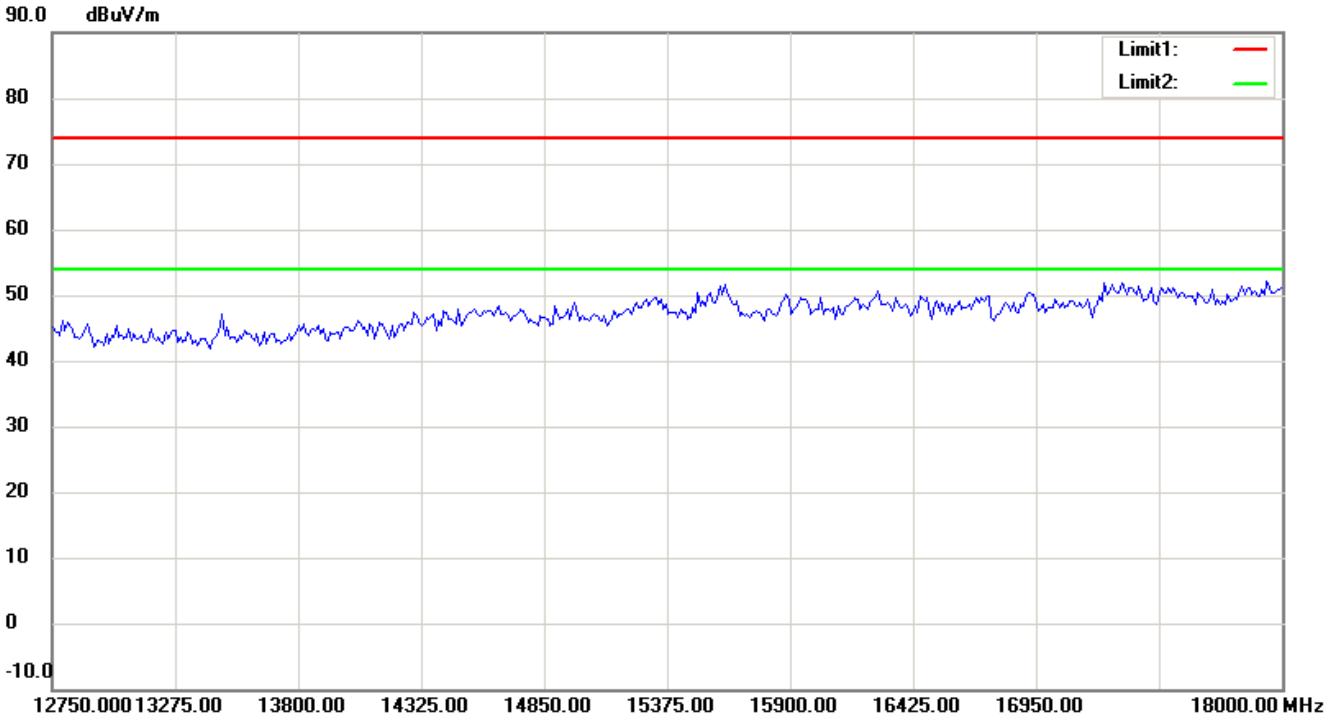
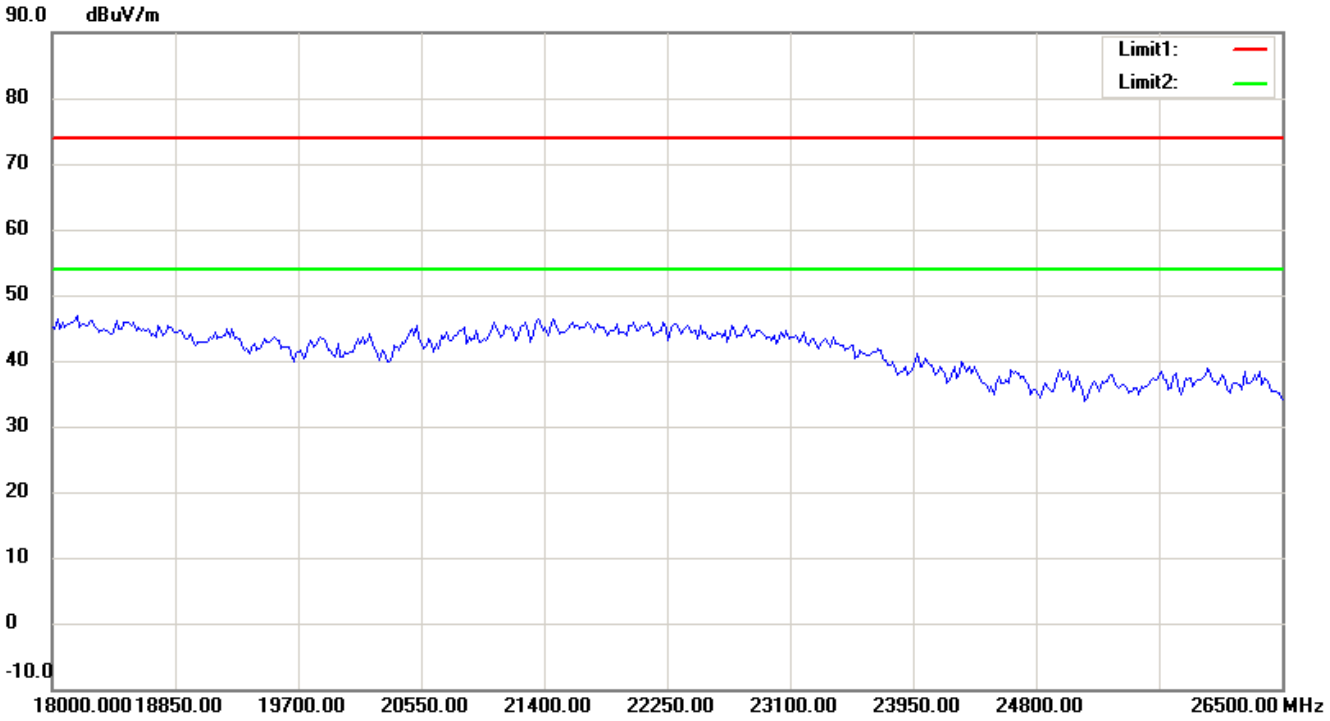
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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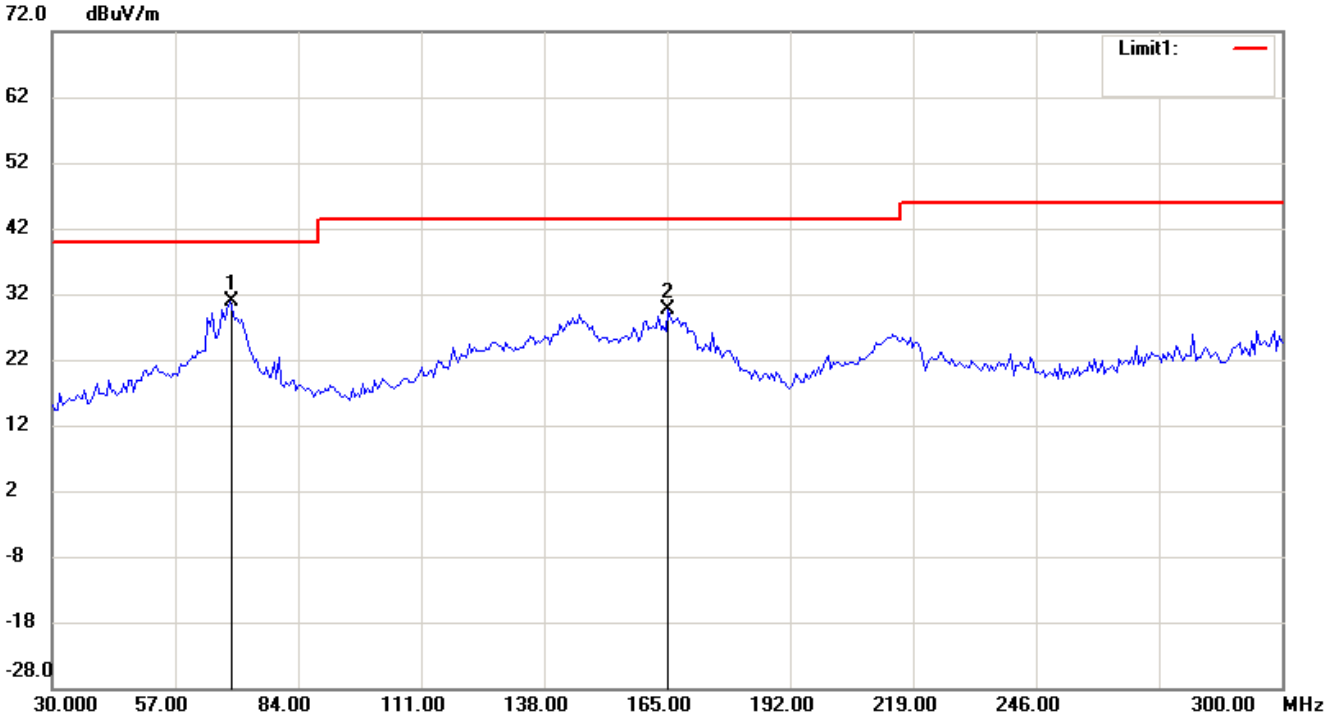
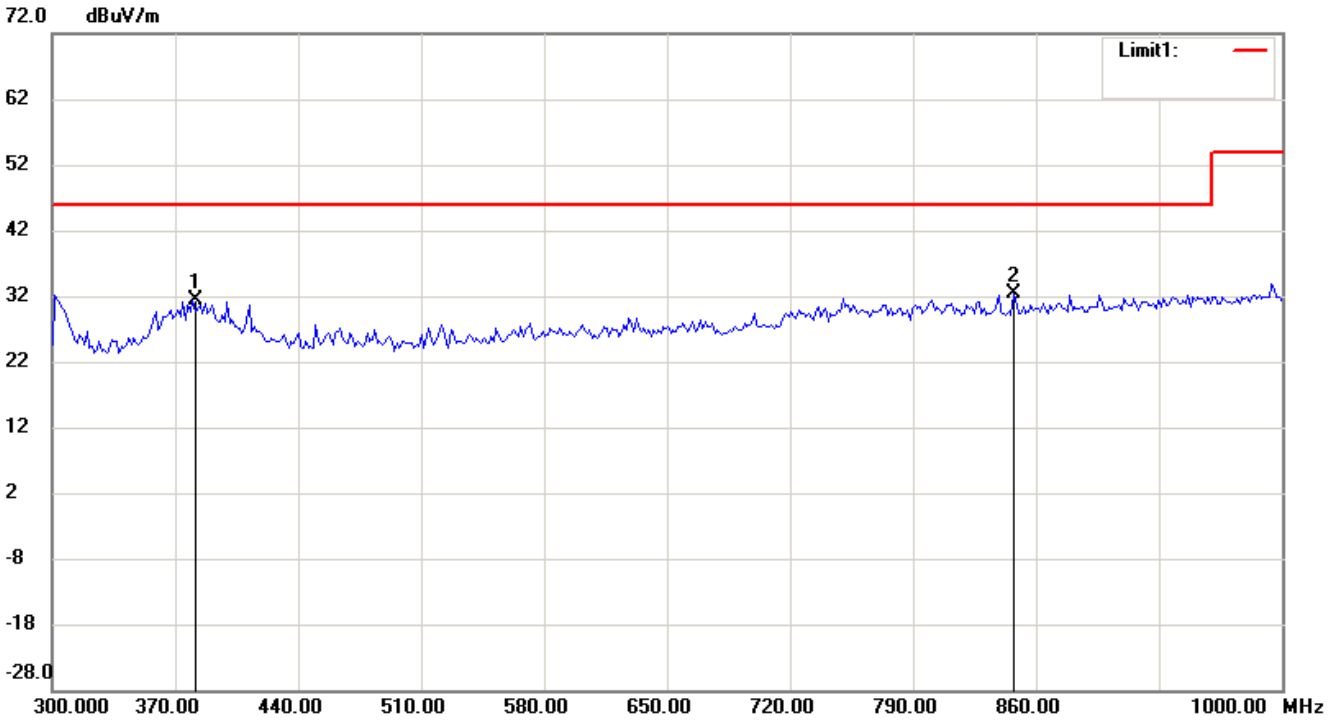
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

802.11g
Channel 1
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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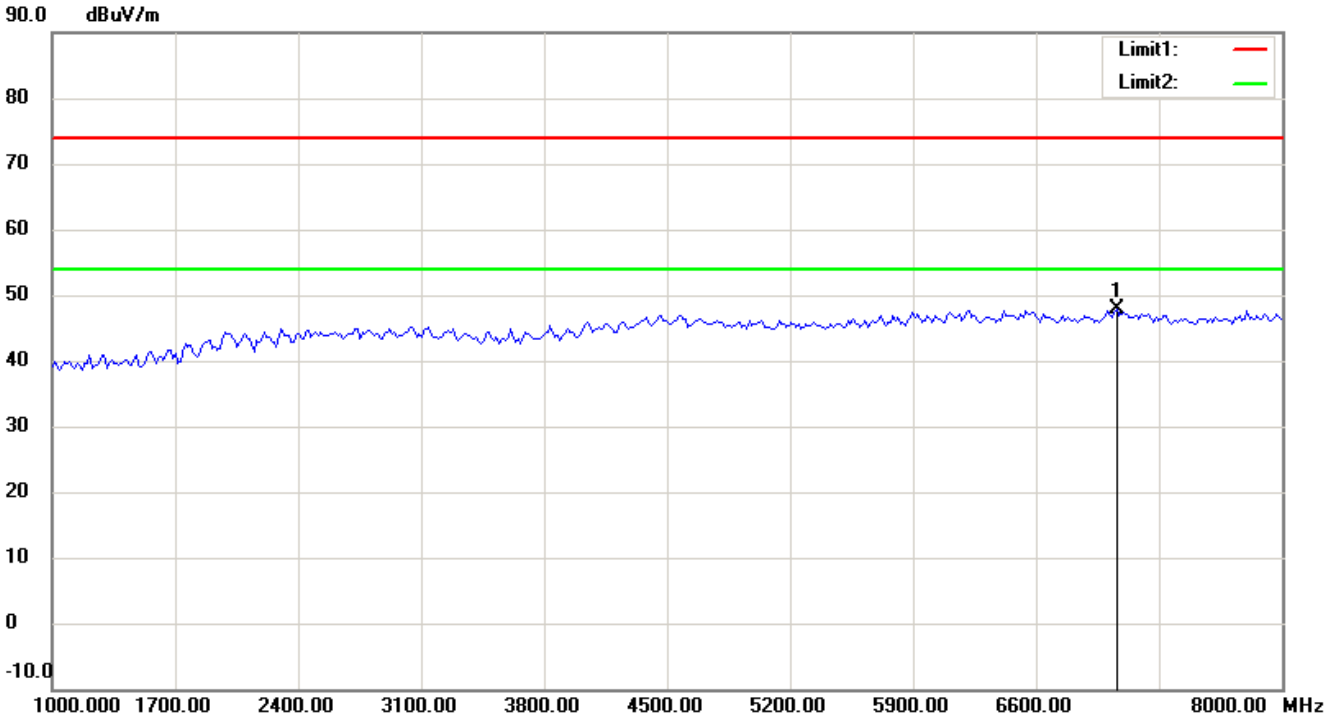
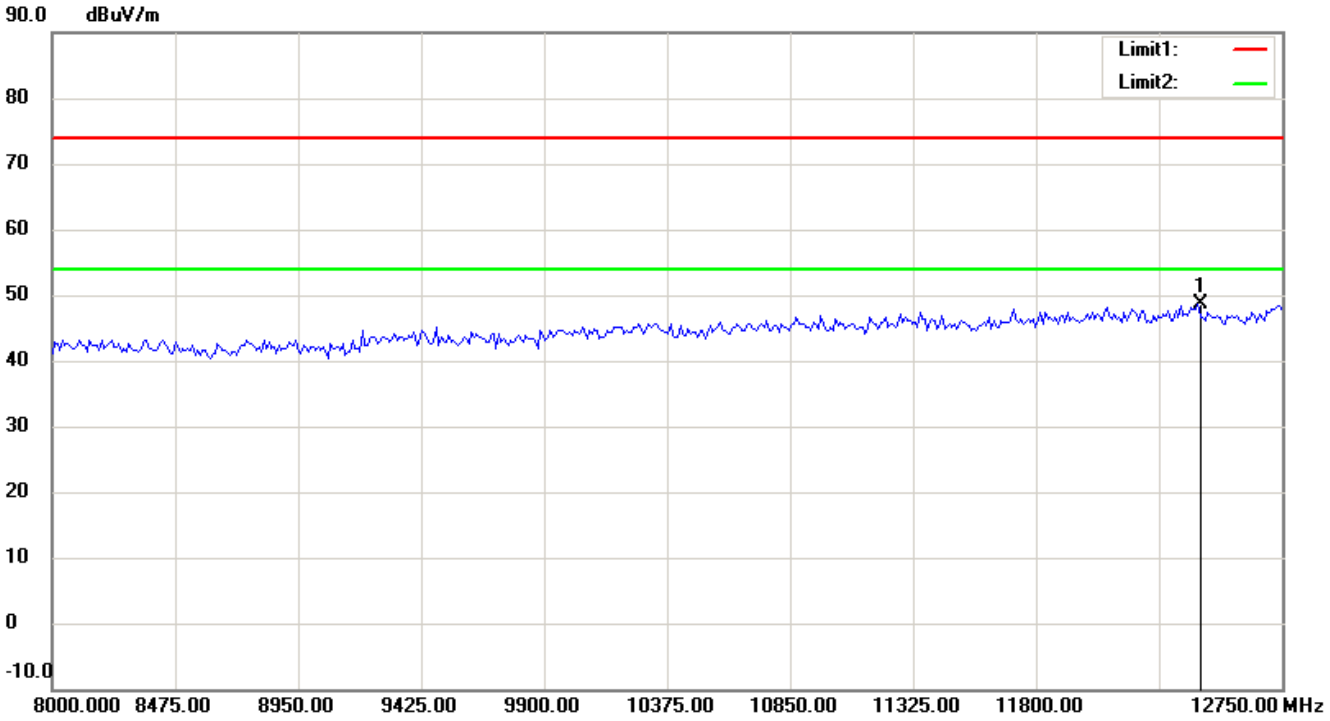
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





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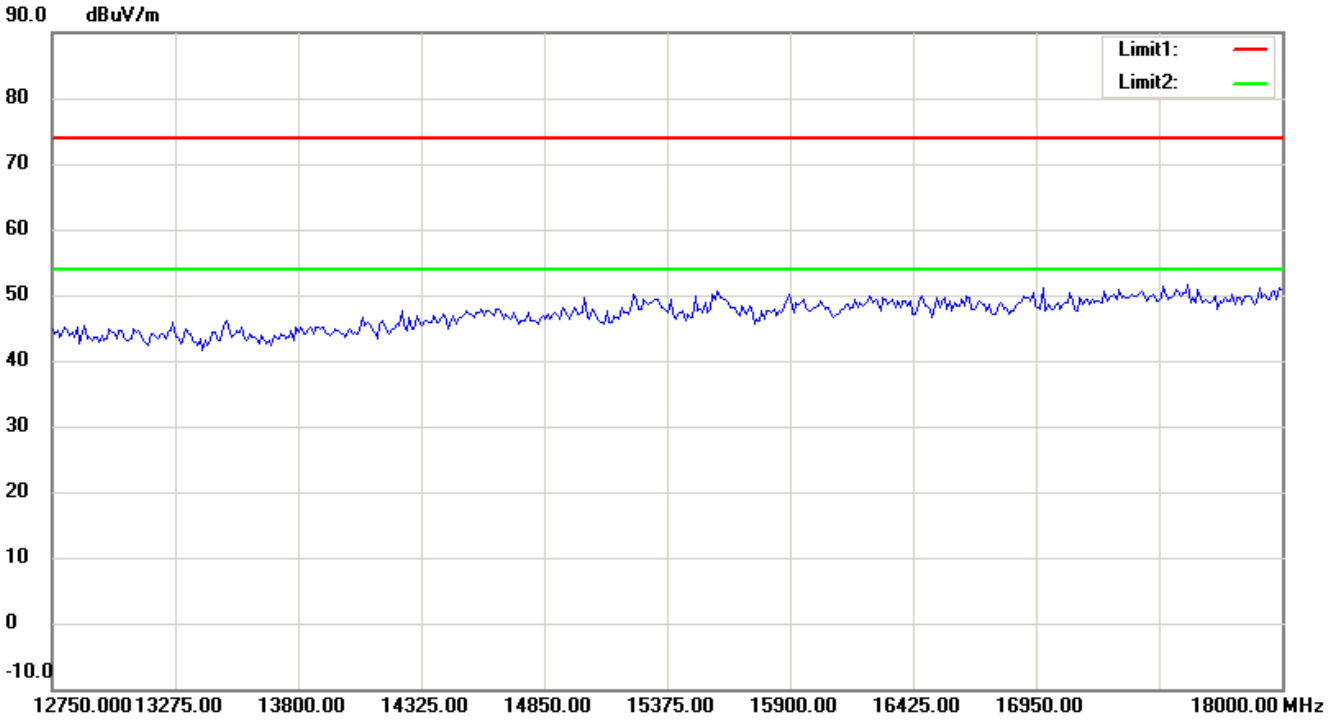
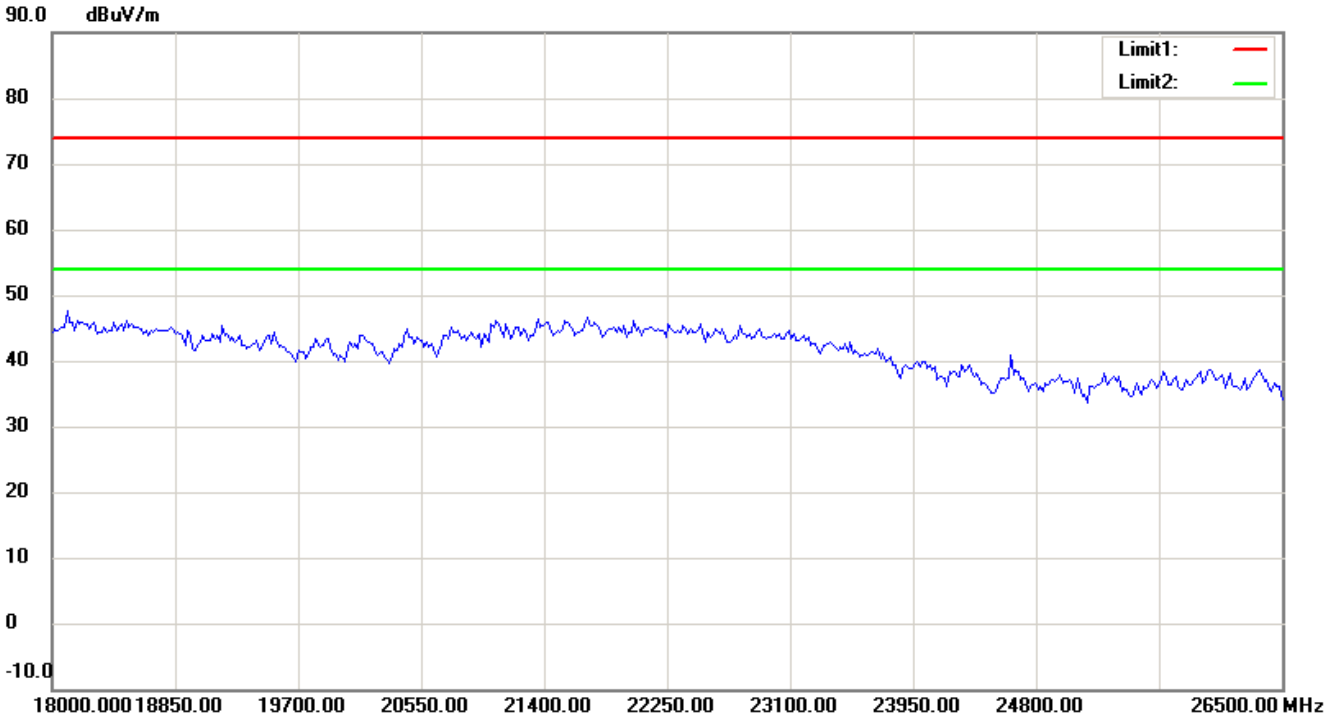
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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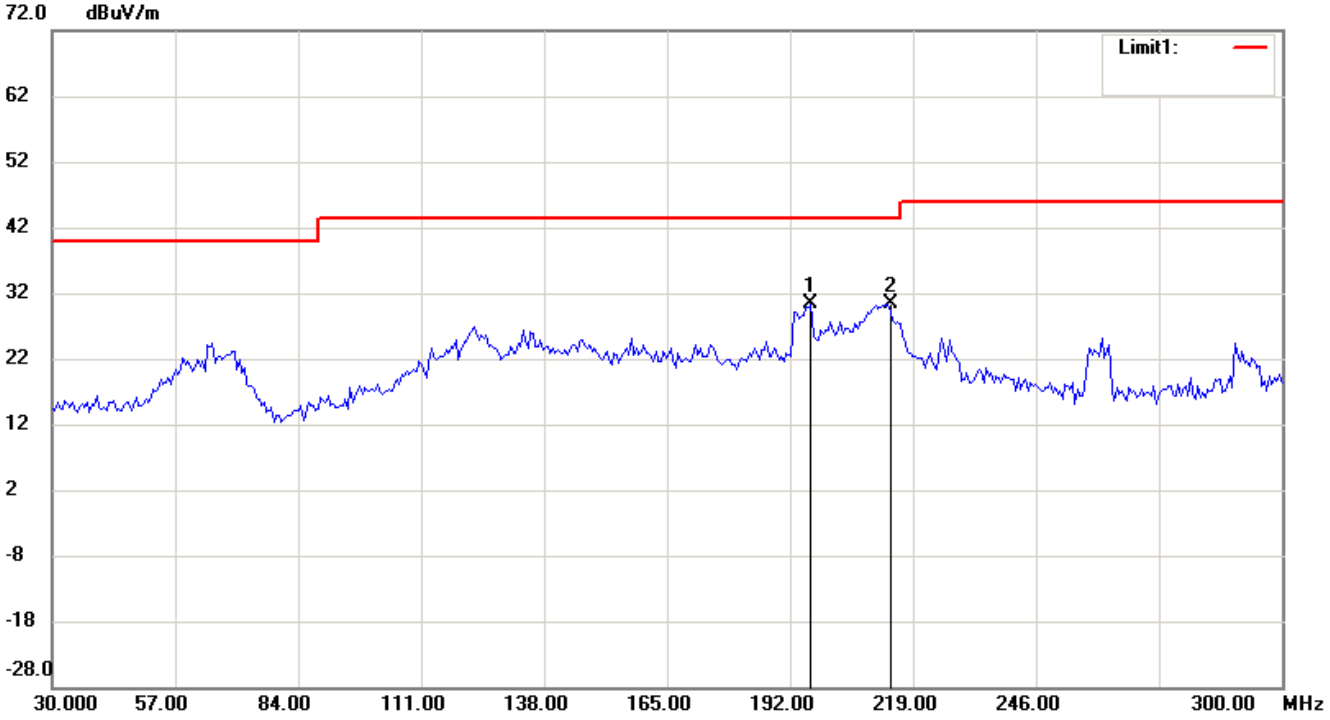
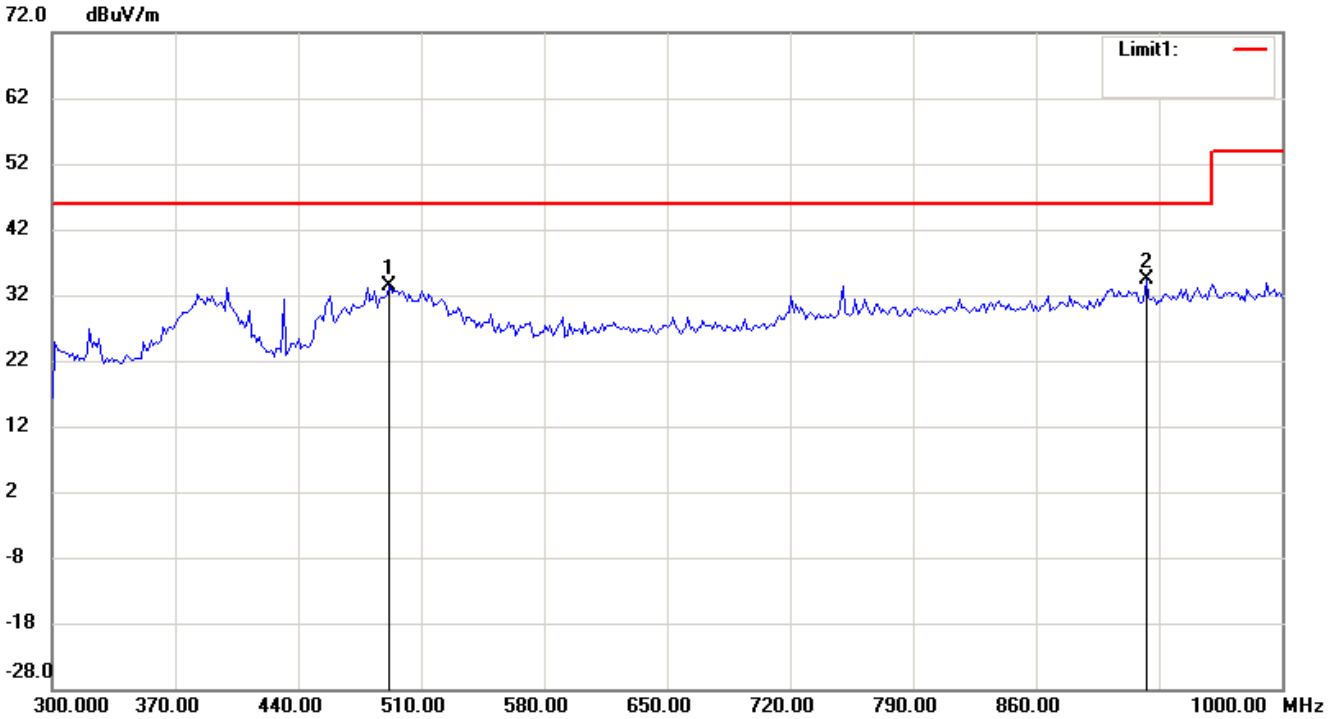
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
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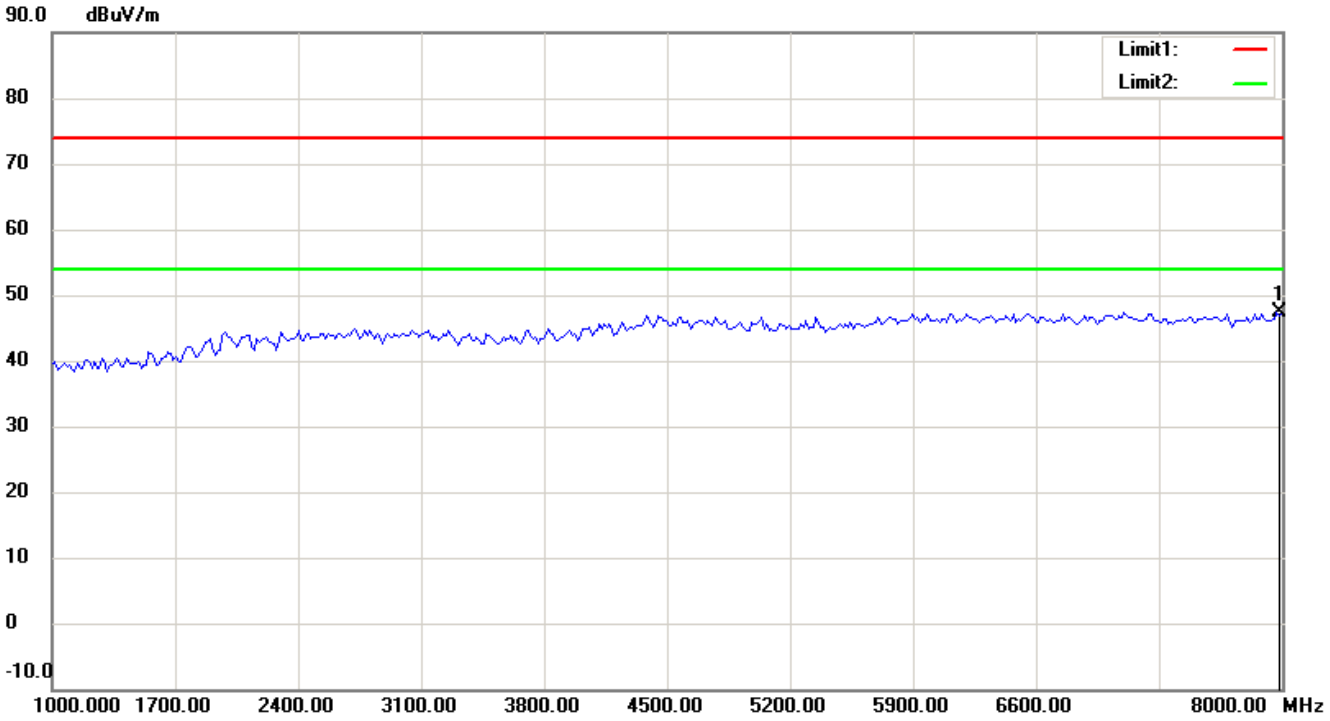
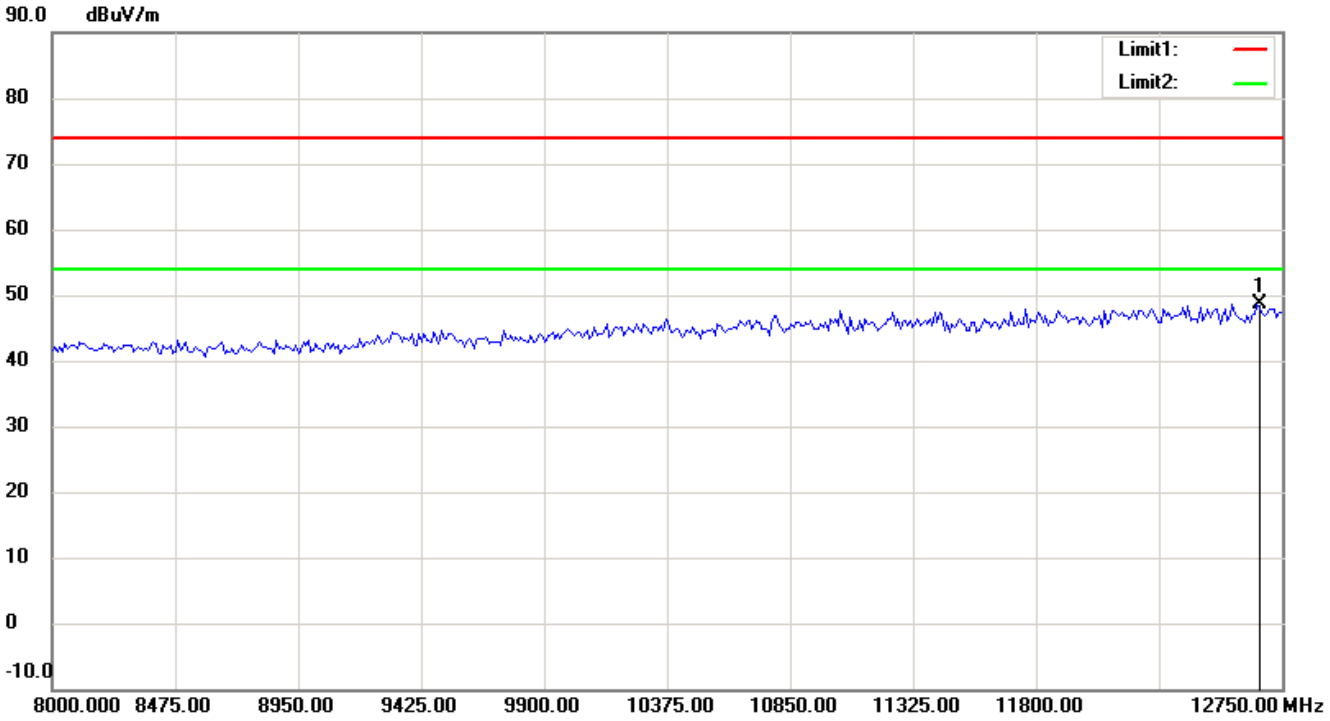
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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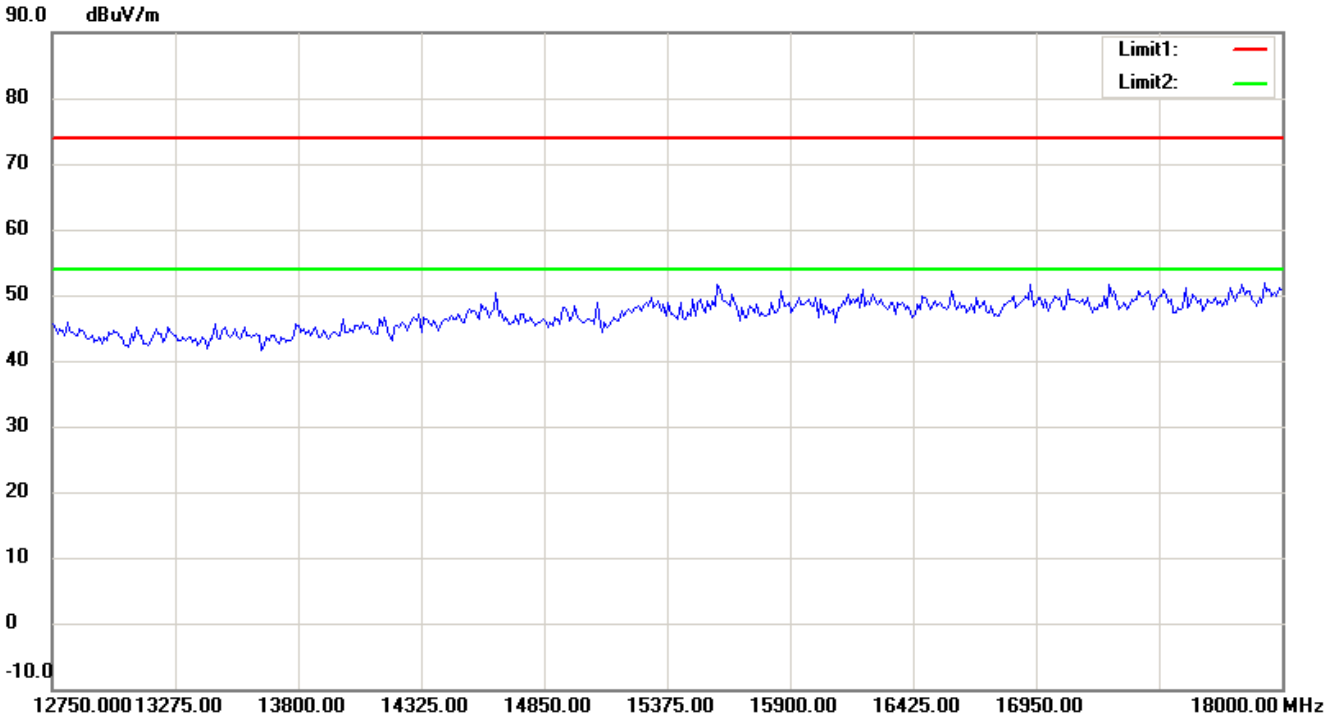
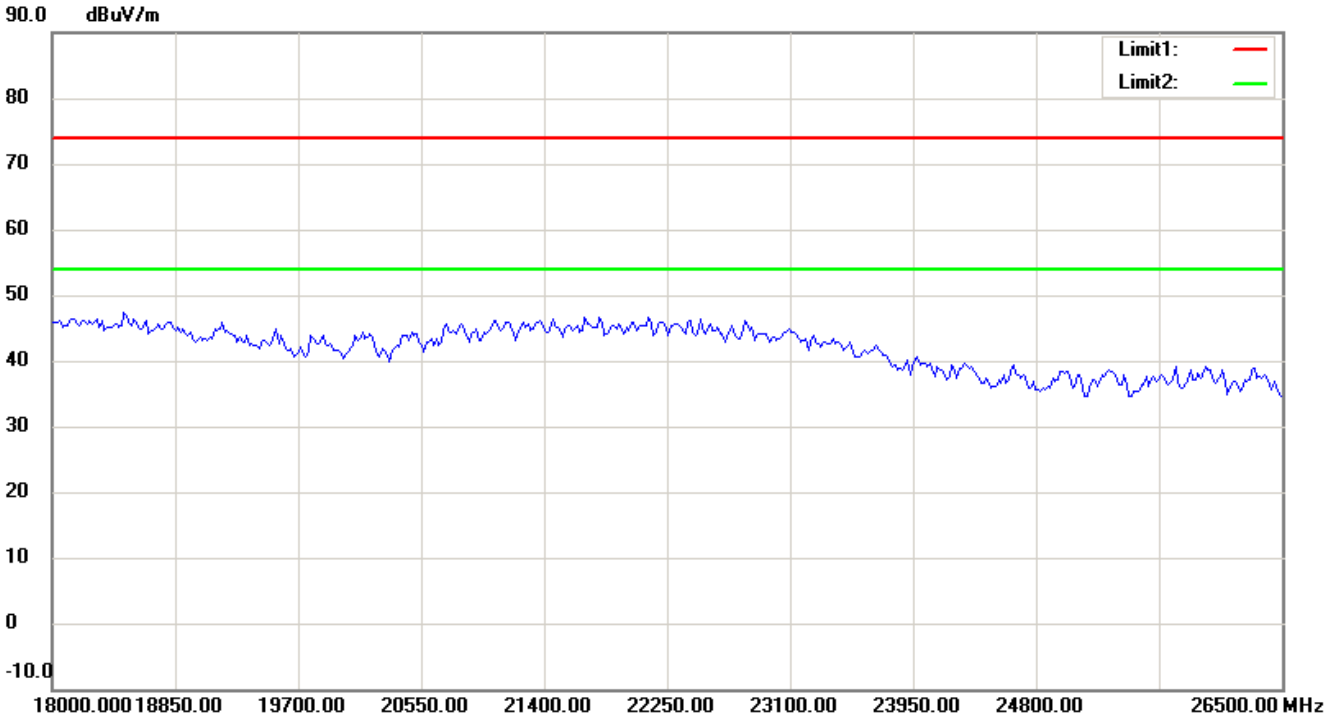
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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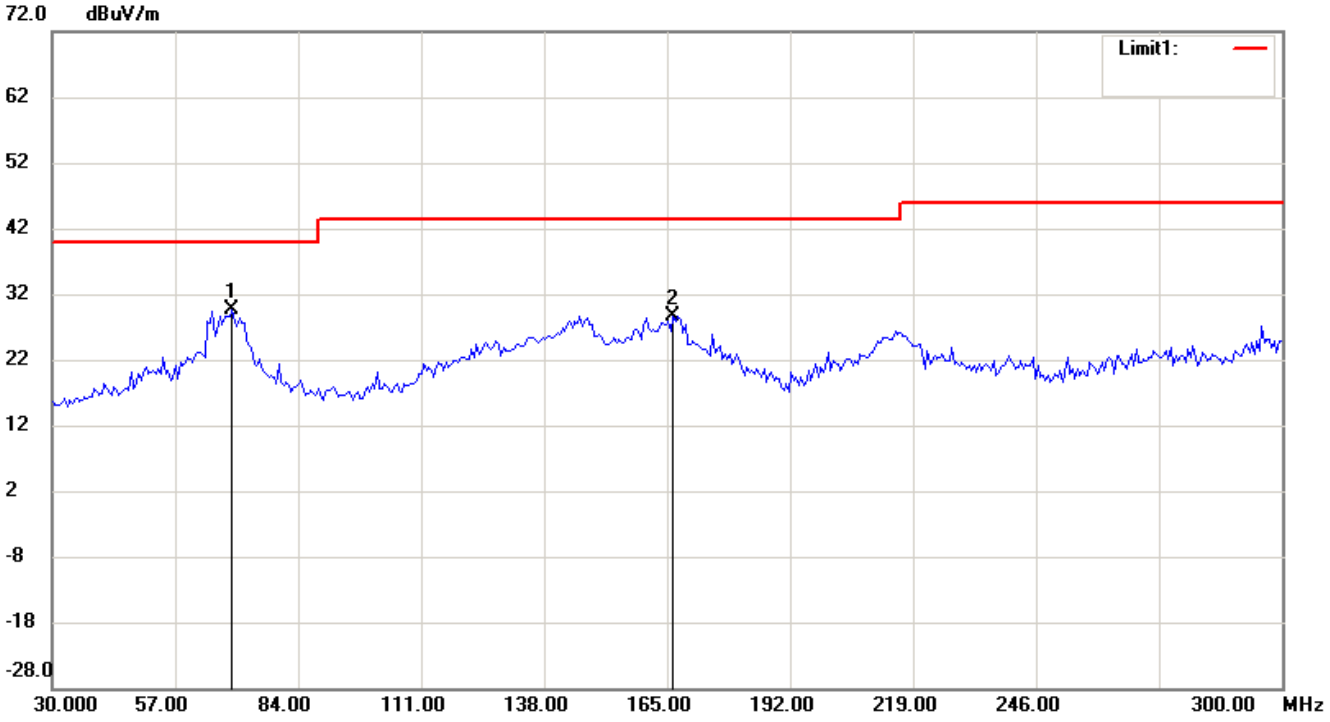
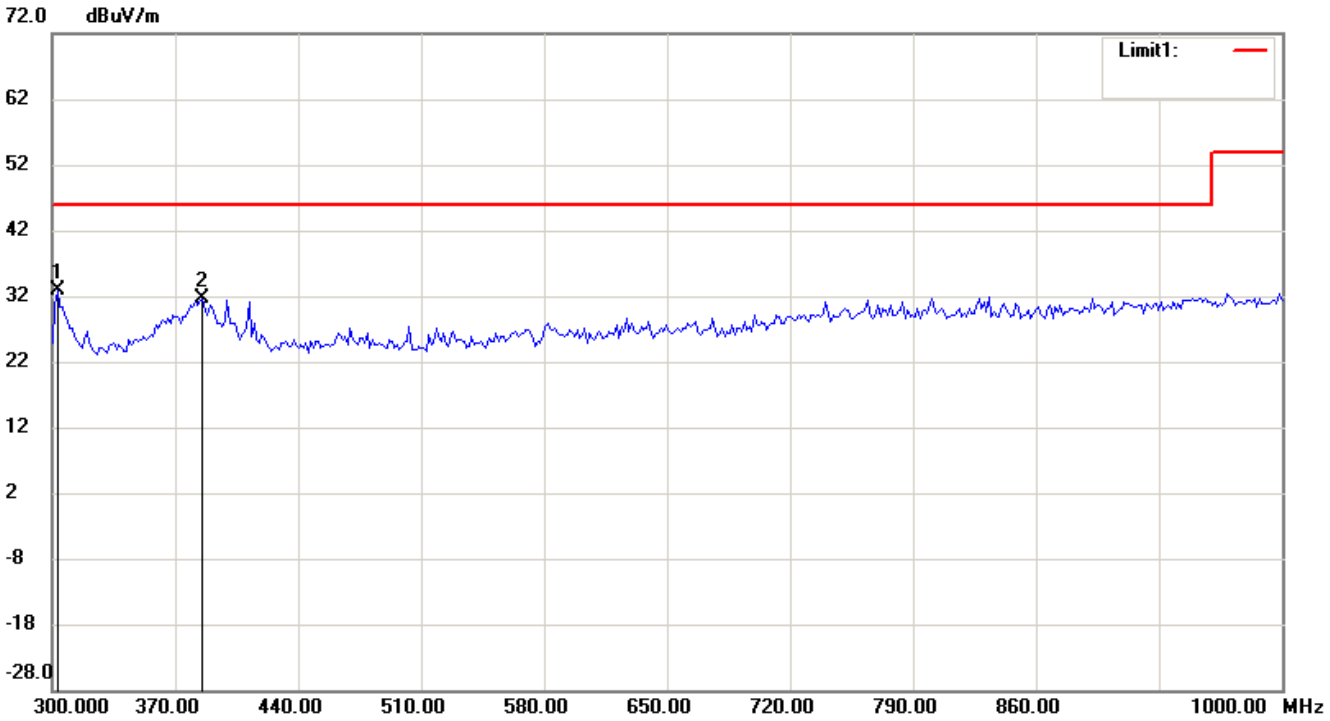
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Channel 6
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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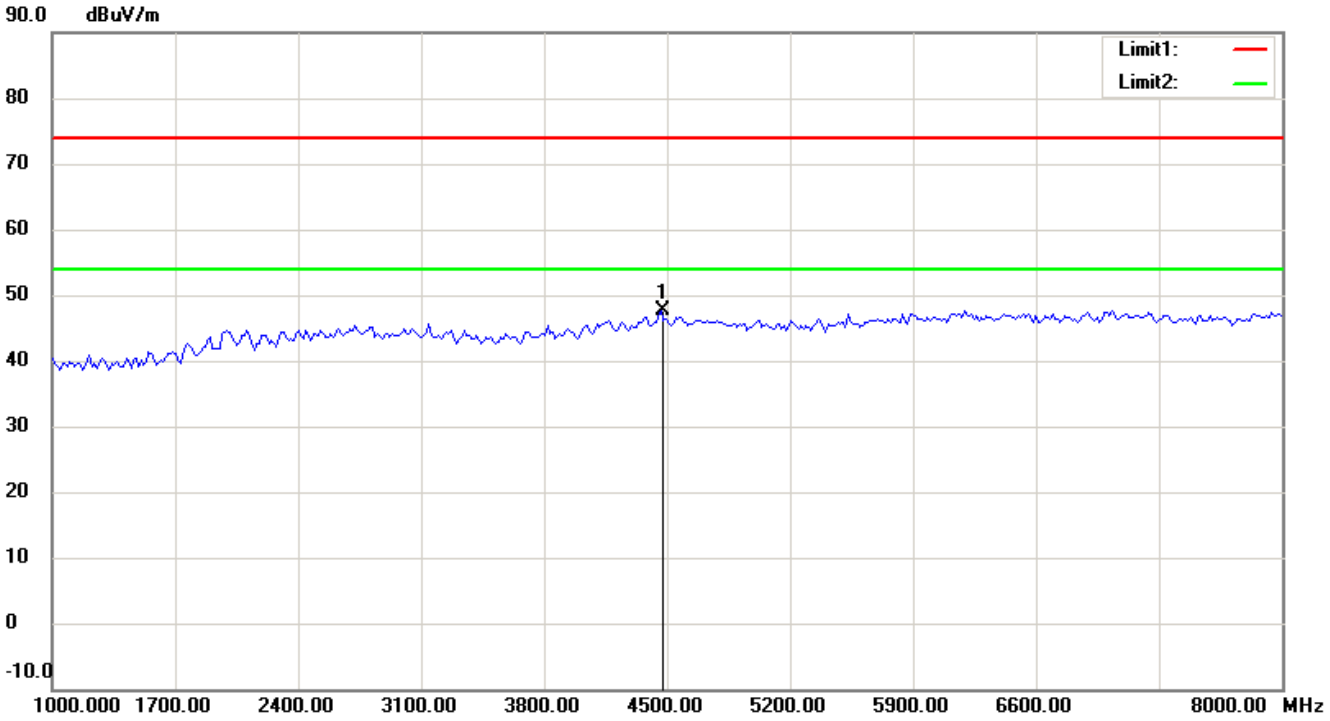
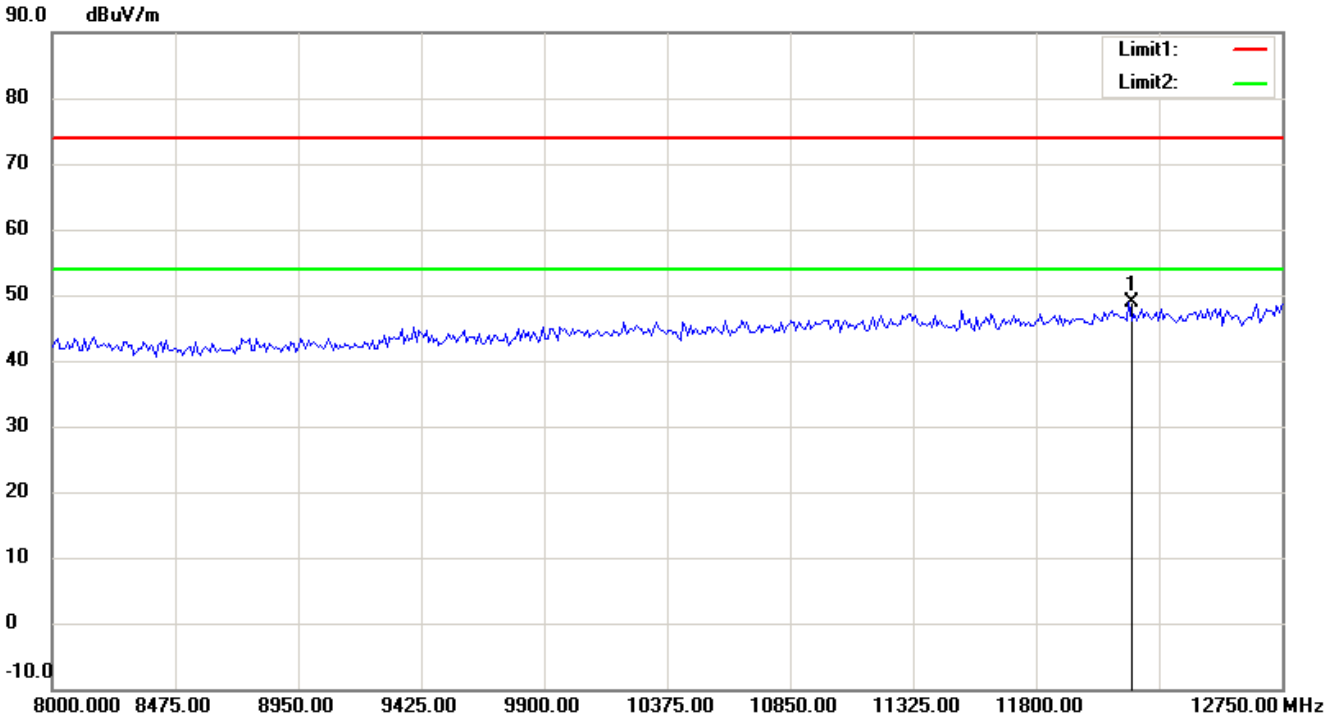
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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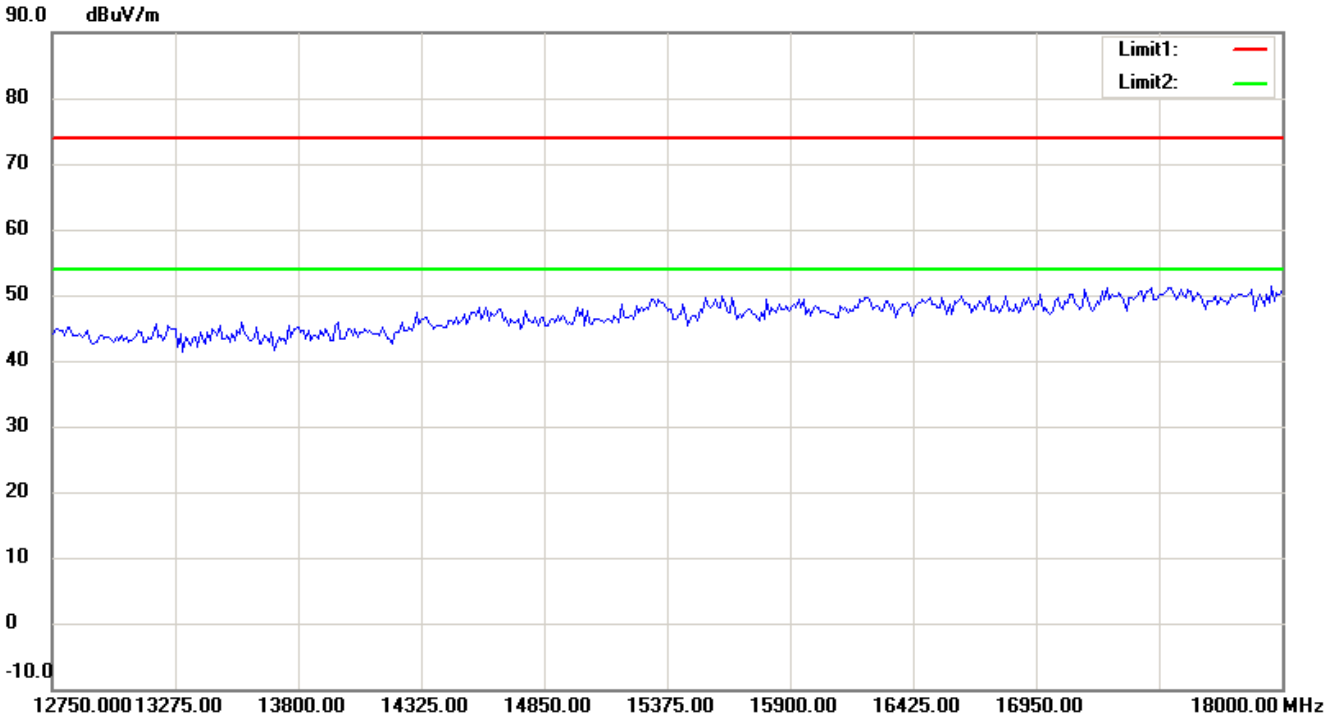
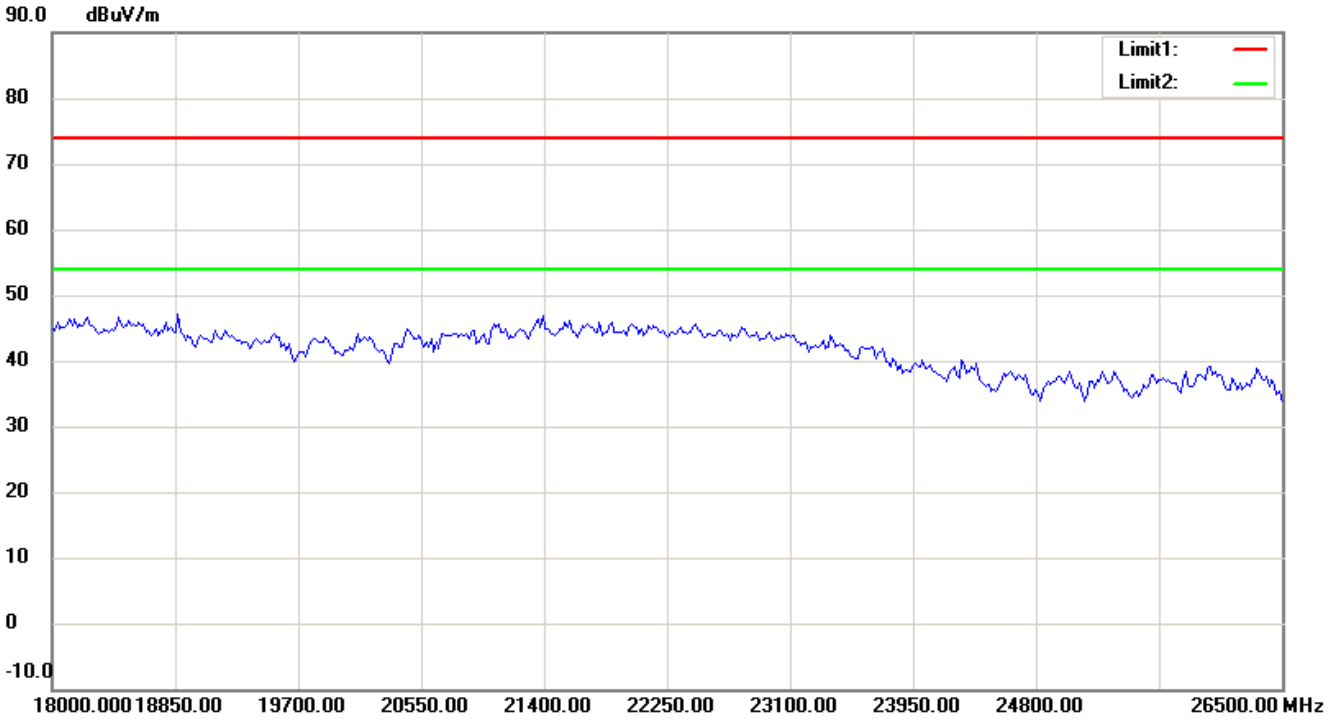
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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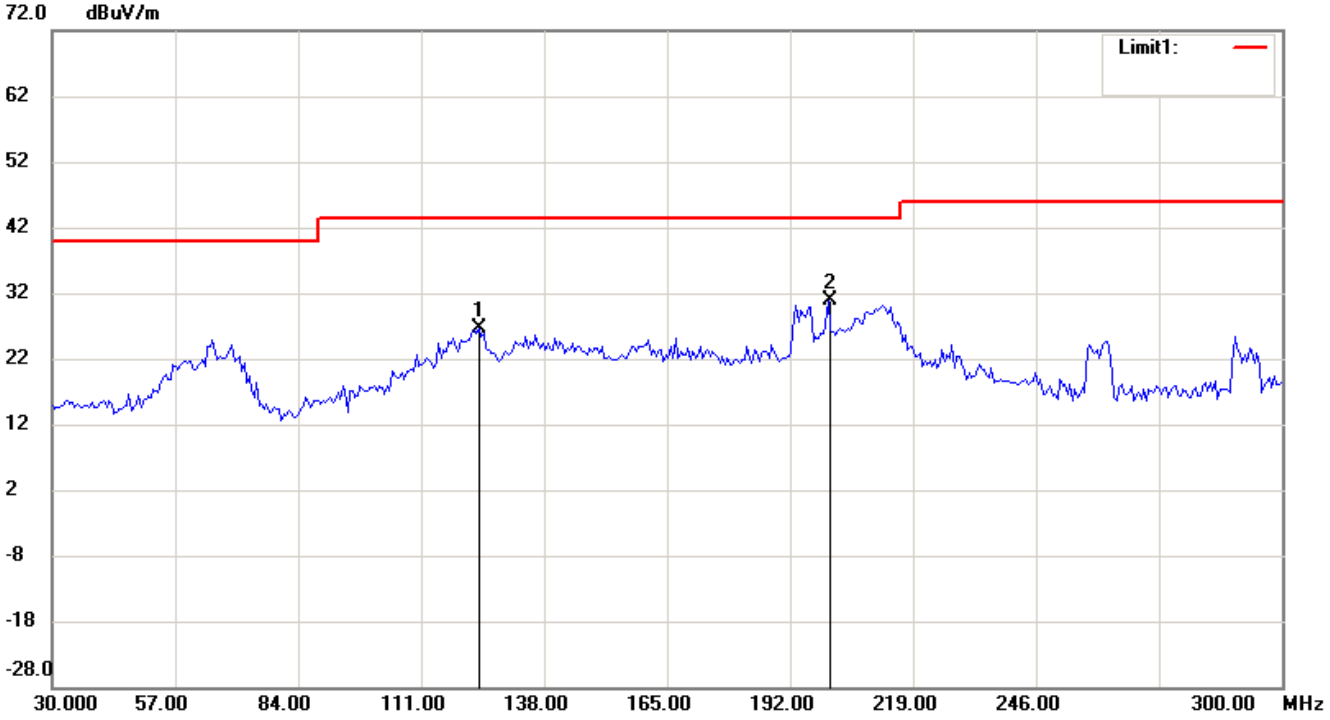
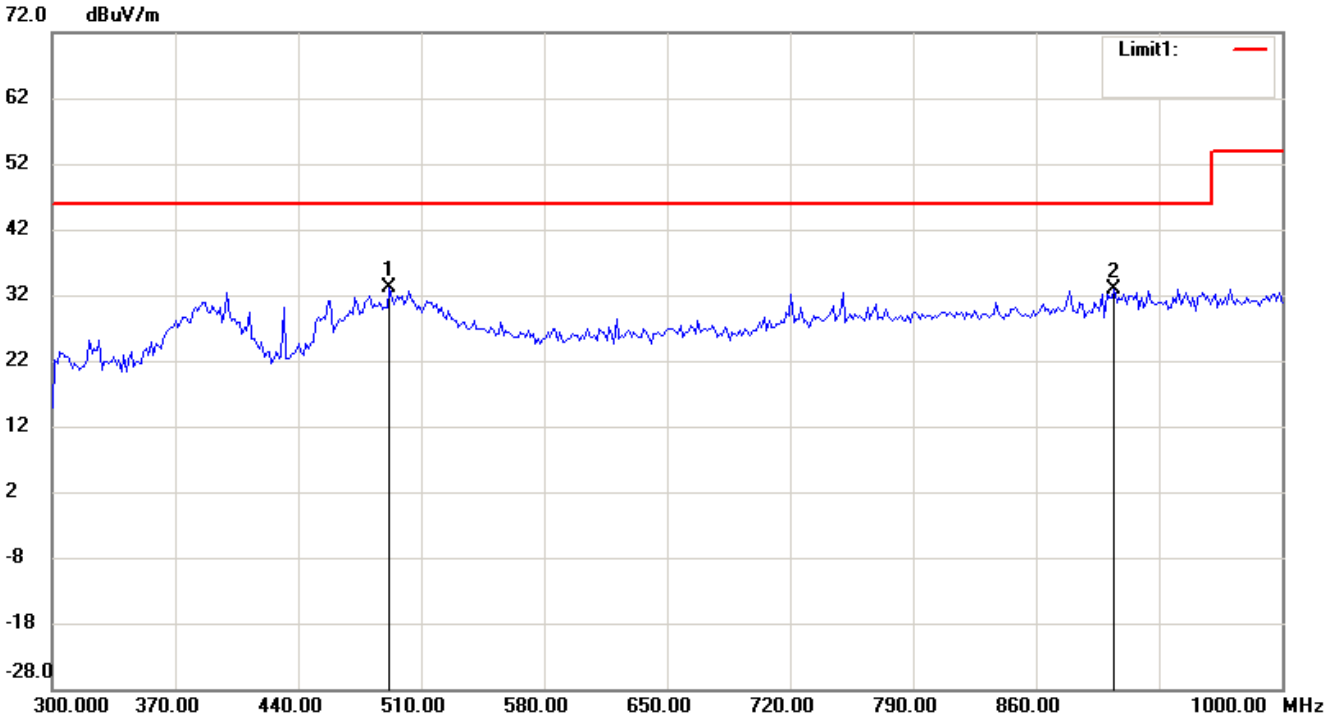
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

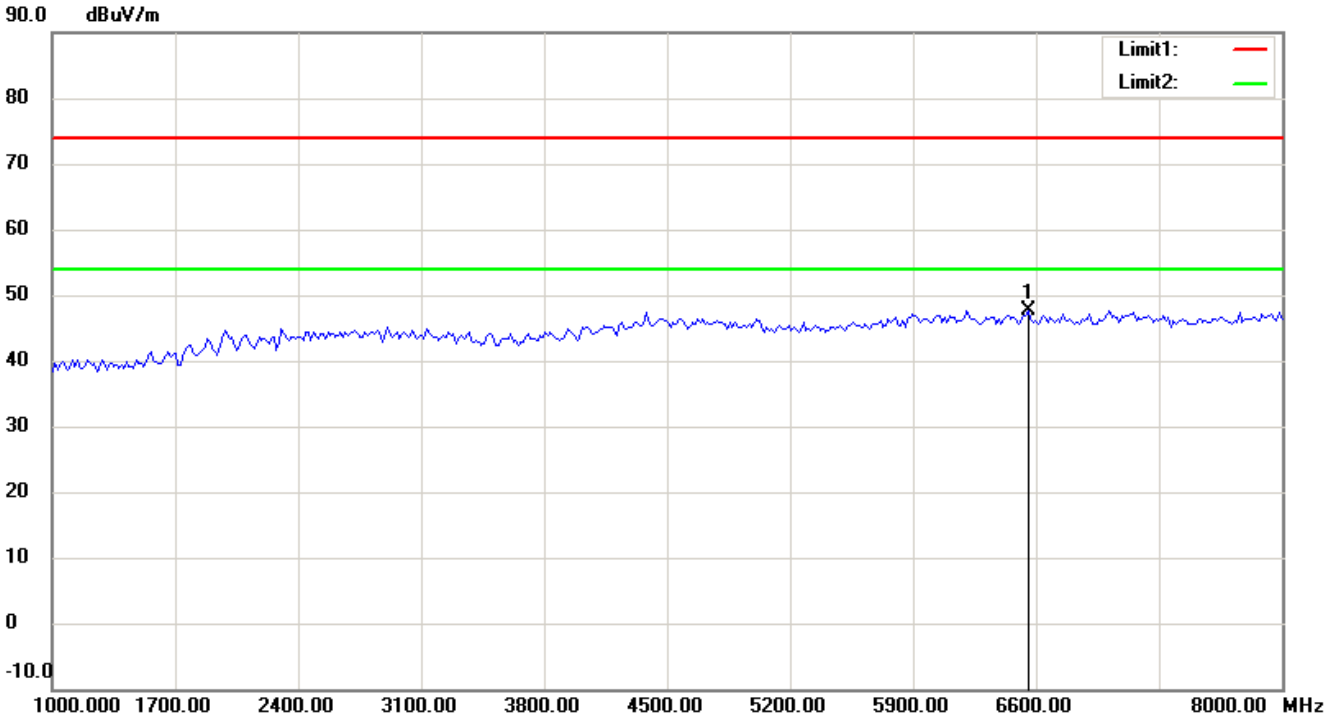
Antenna Polarization V

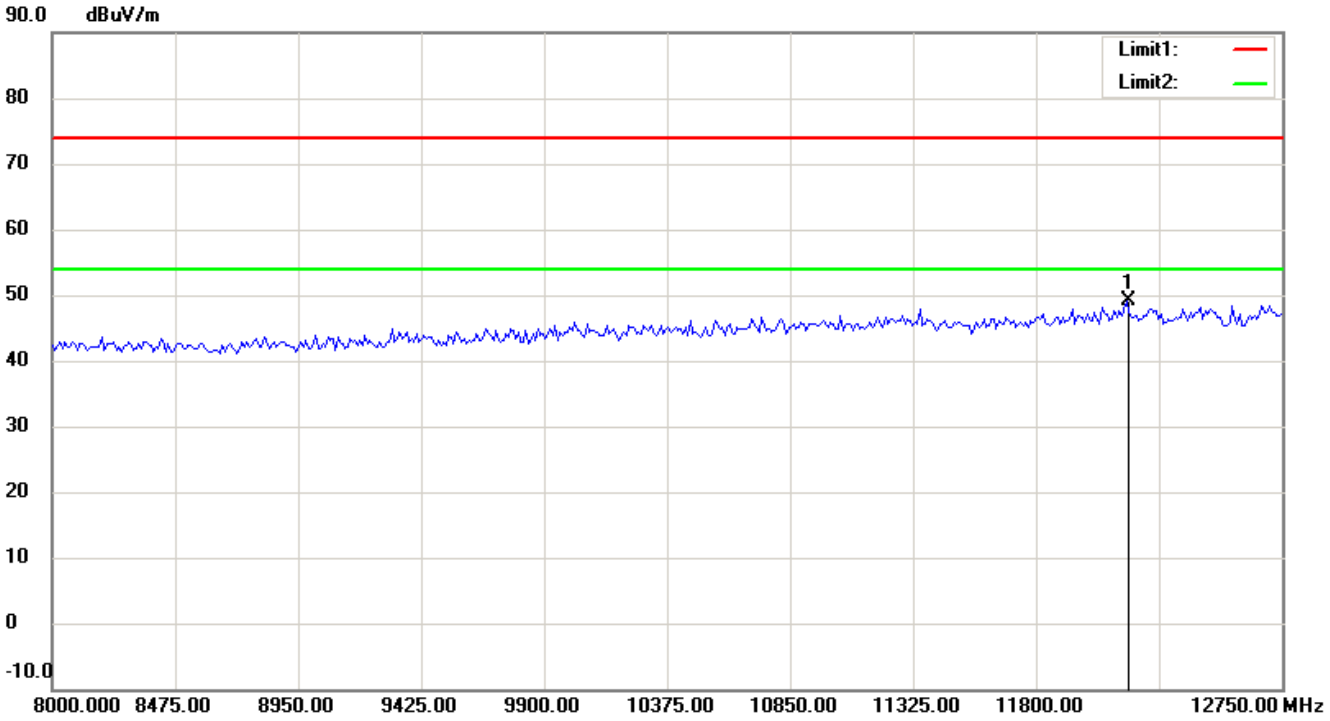




Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
1 The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2 The some frequencies may exceed the limit line without the specified detectors, but 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: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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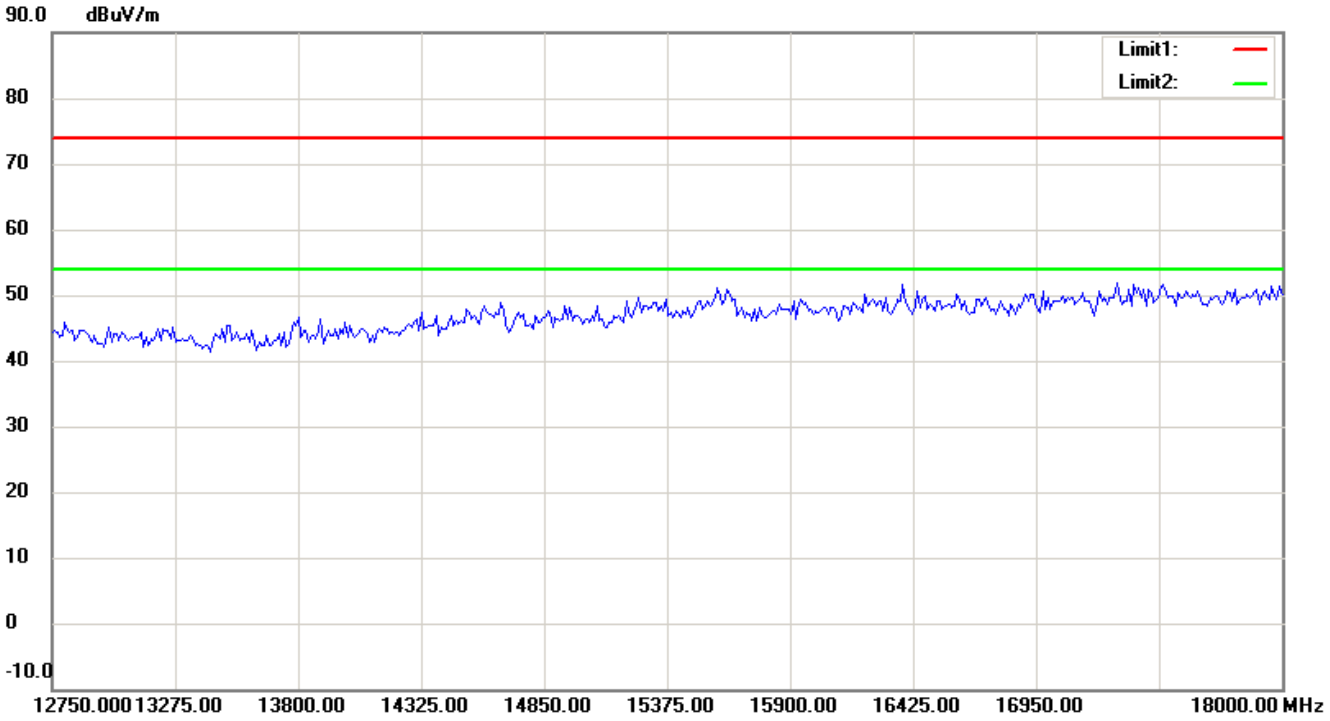
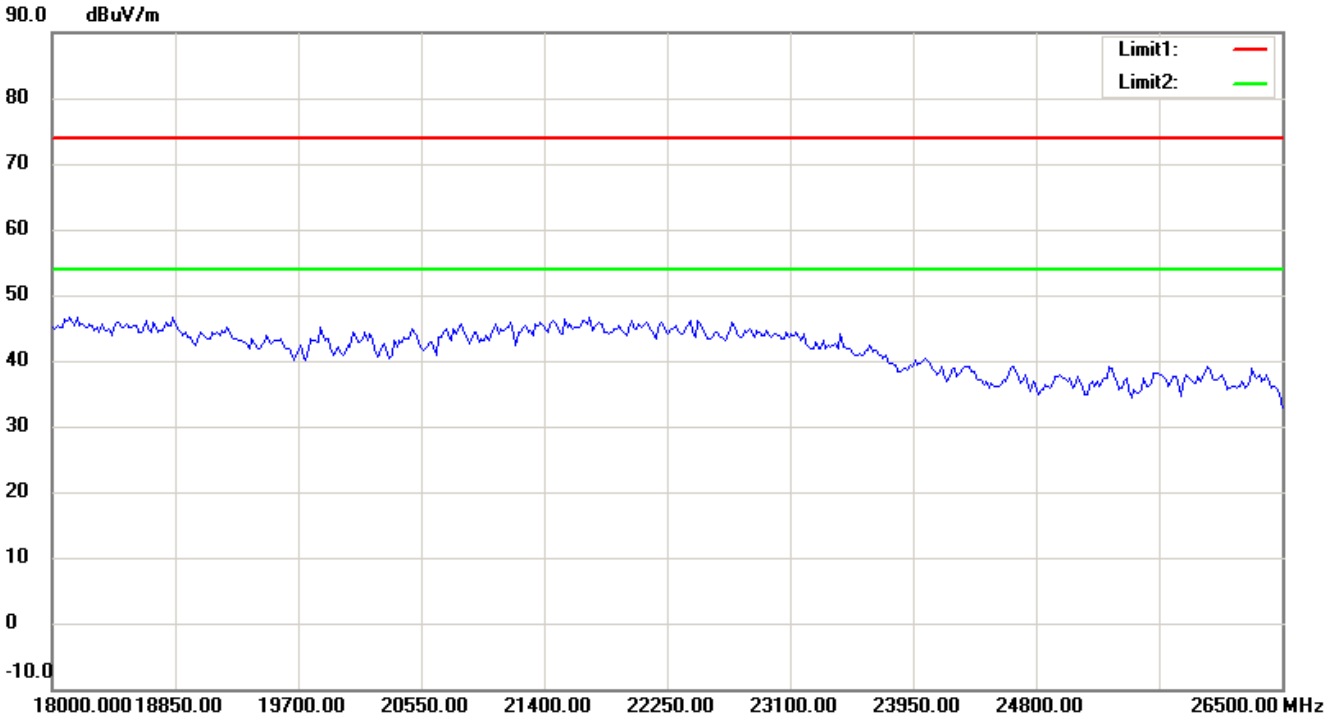
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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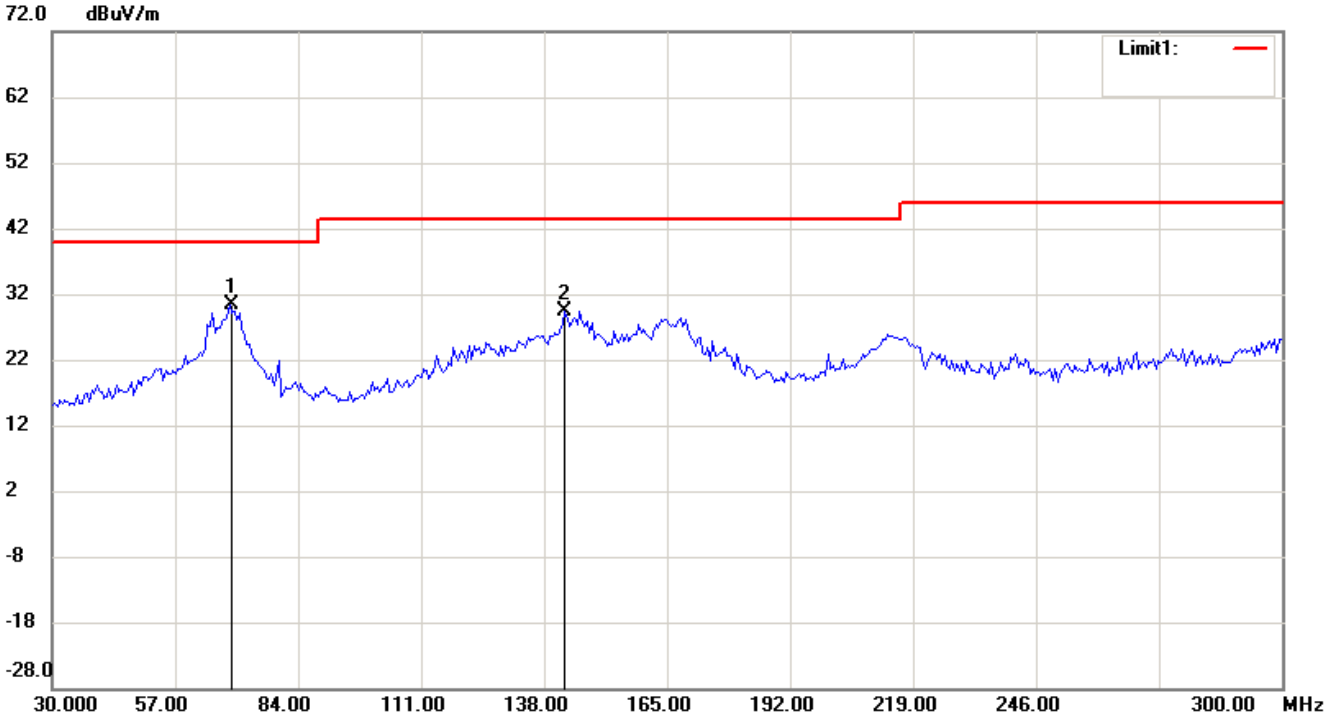
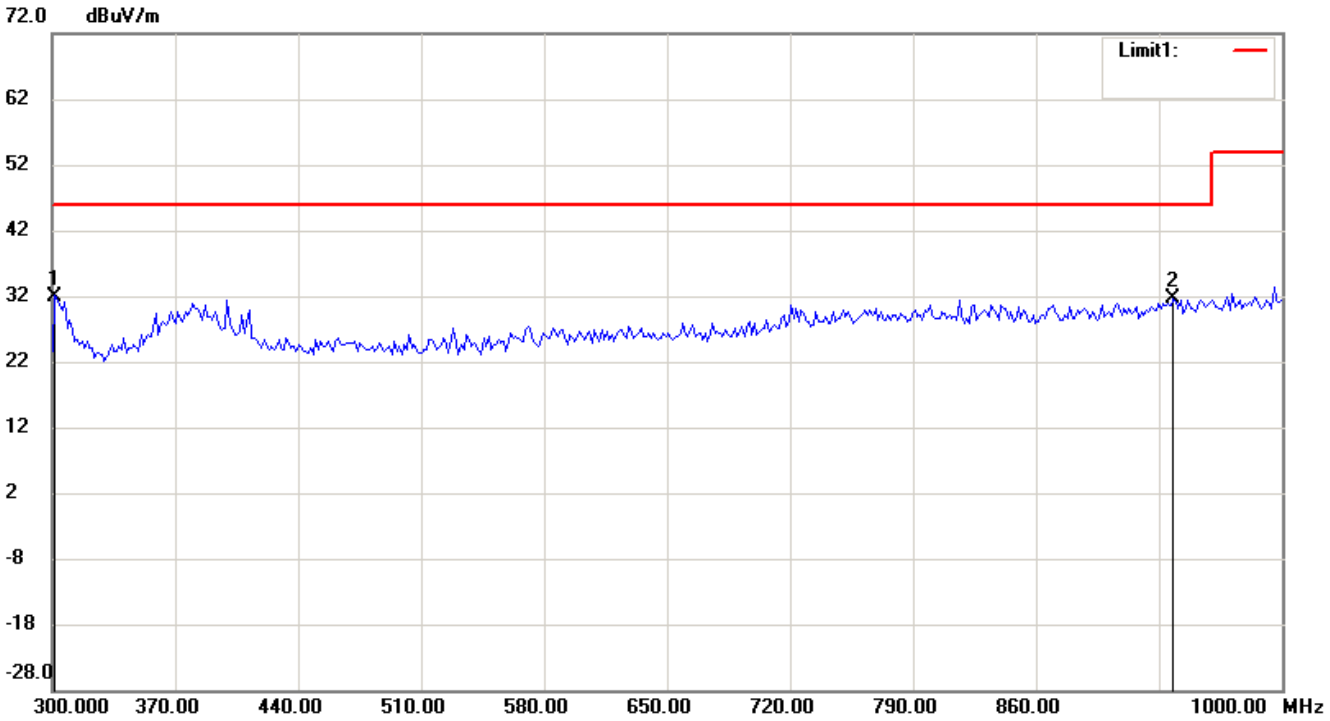
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Channel 11
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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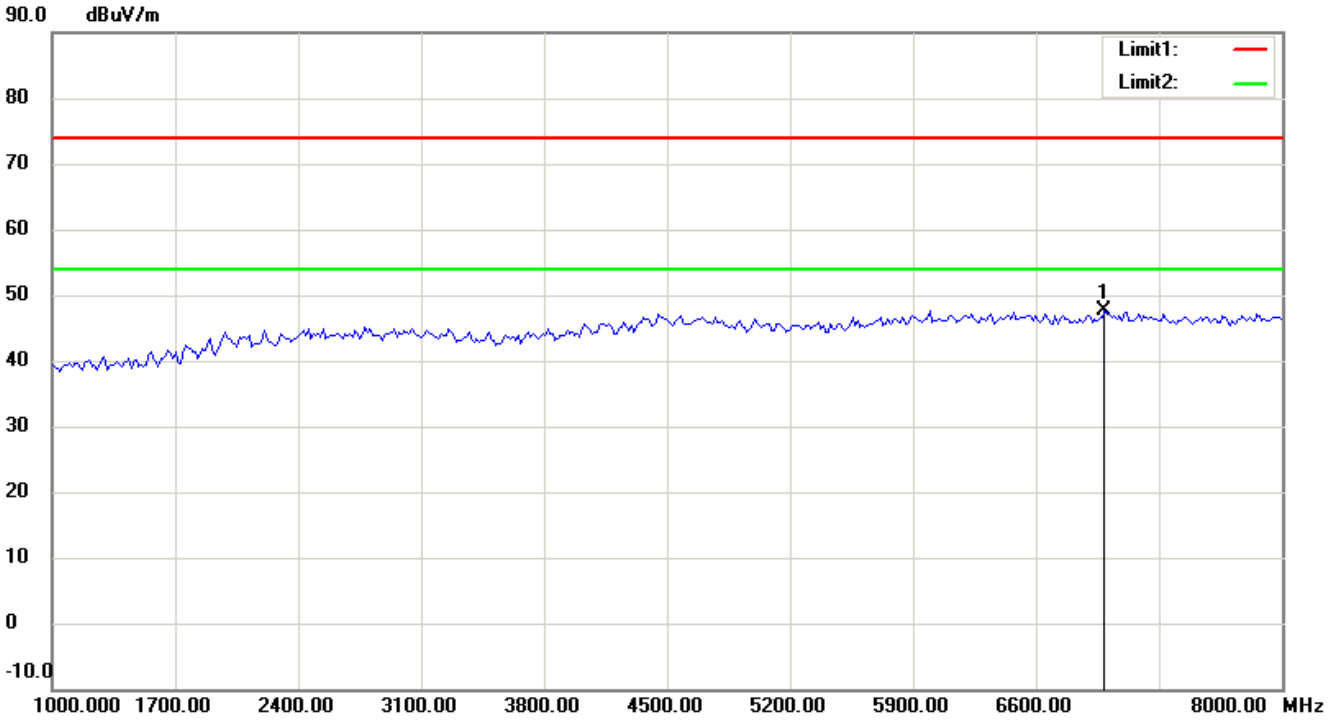
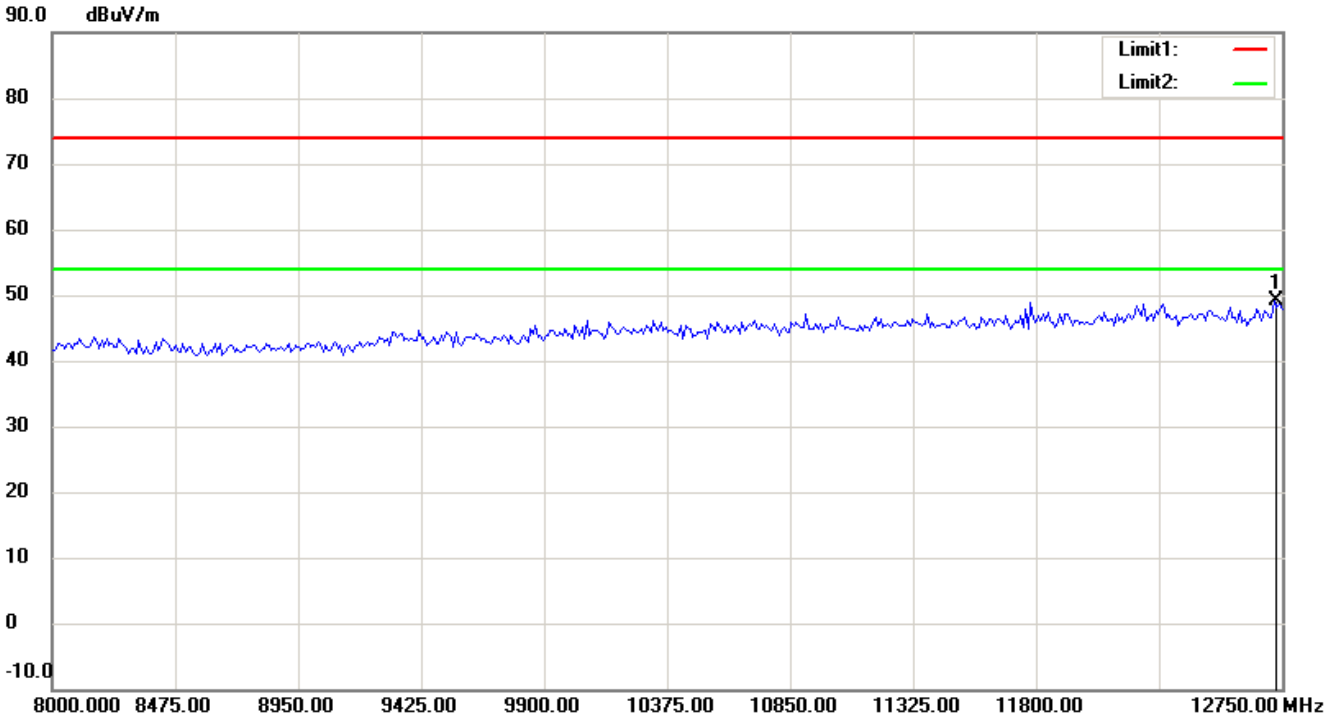
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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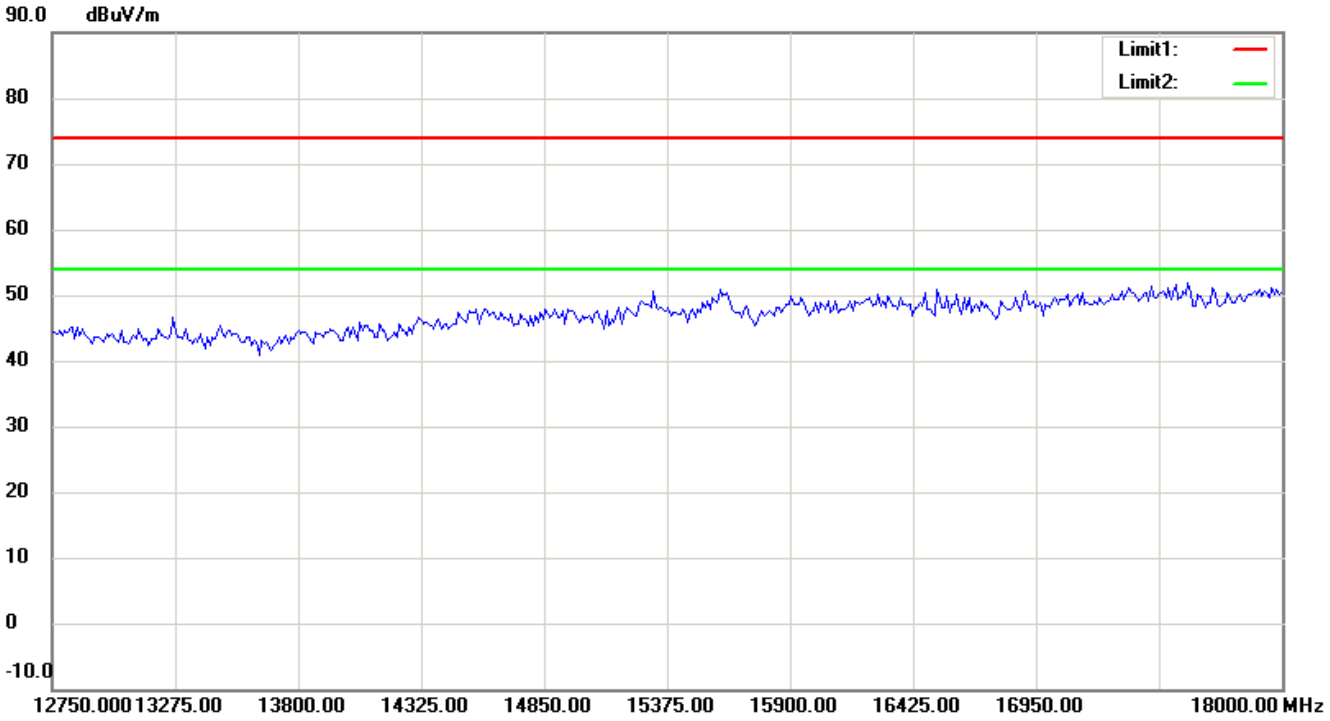
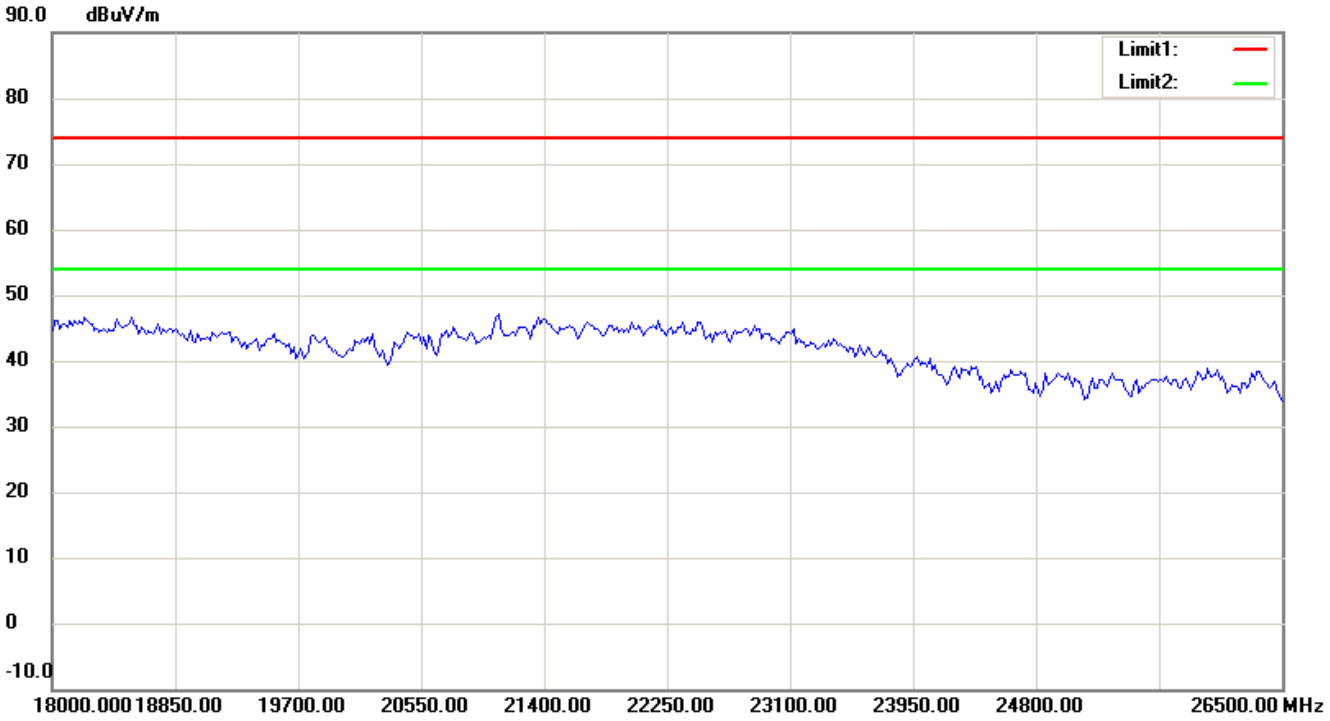
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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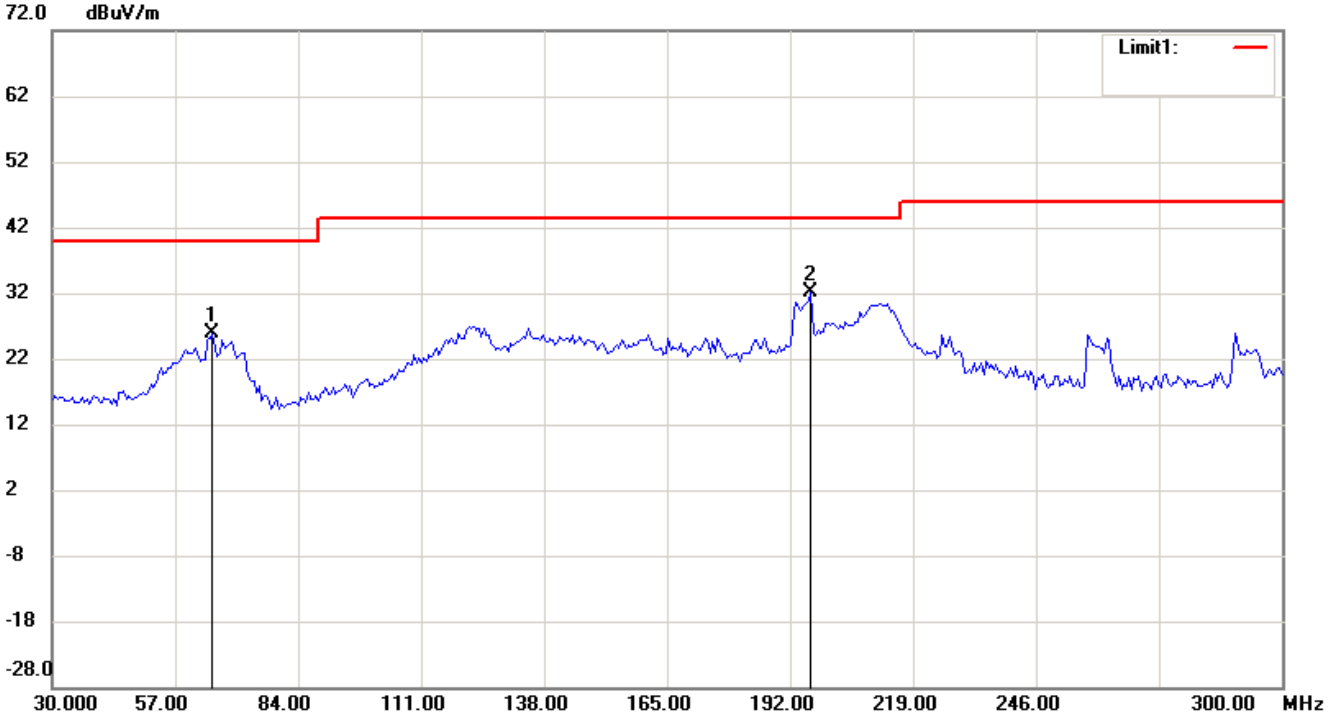
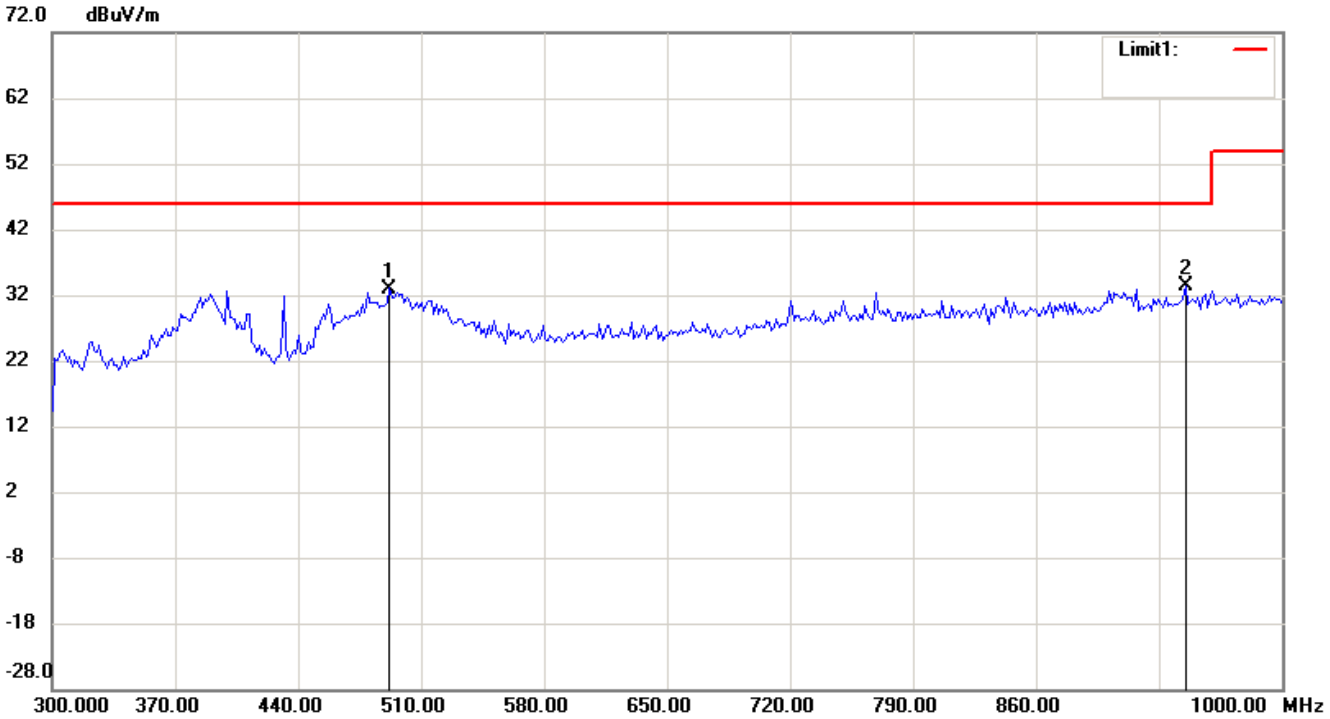
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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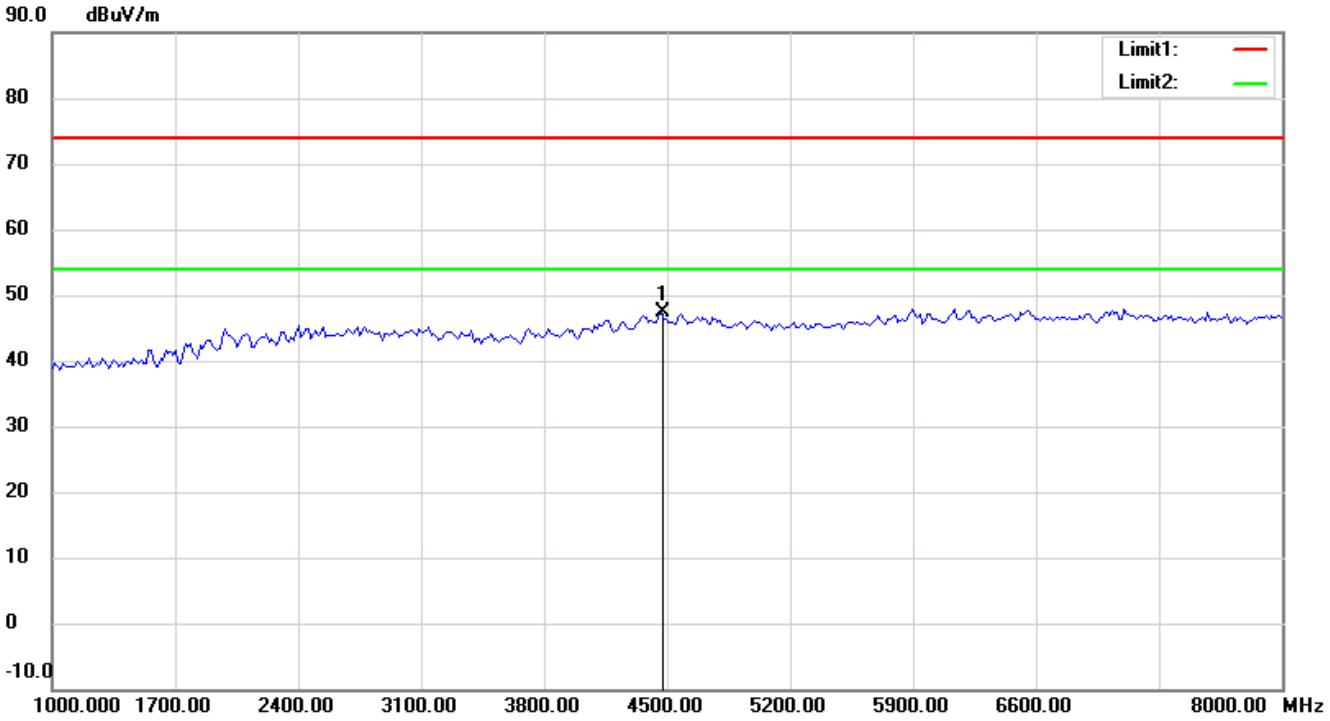
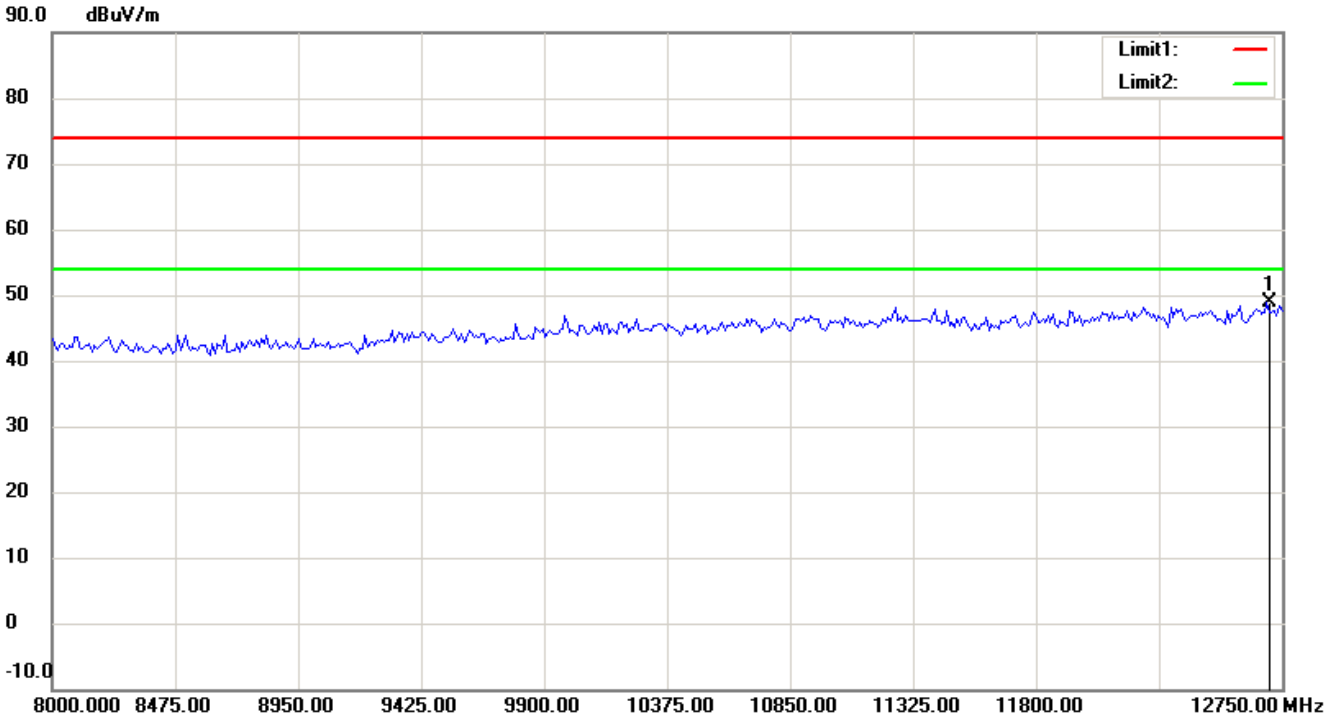
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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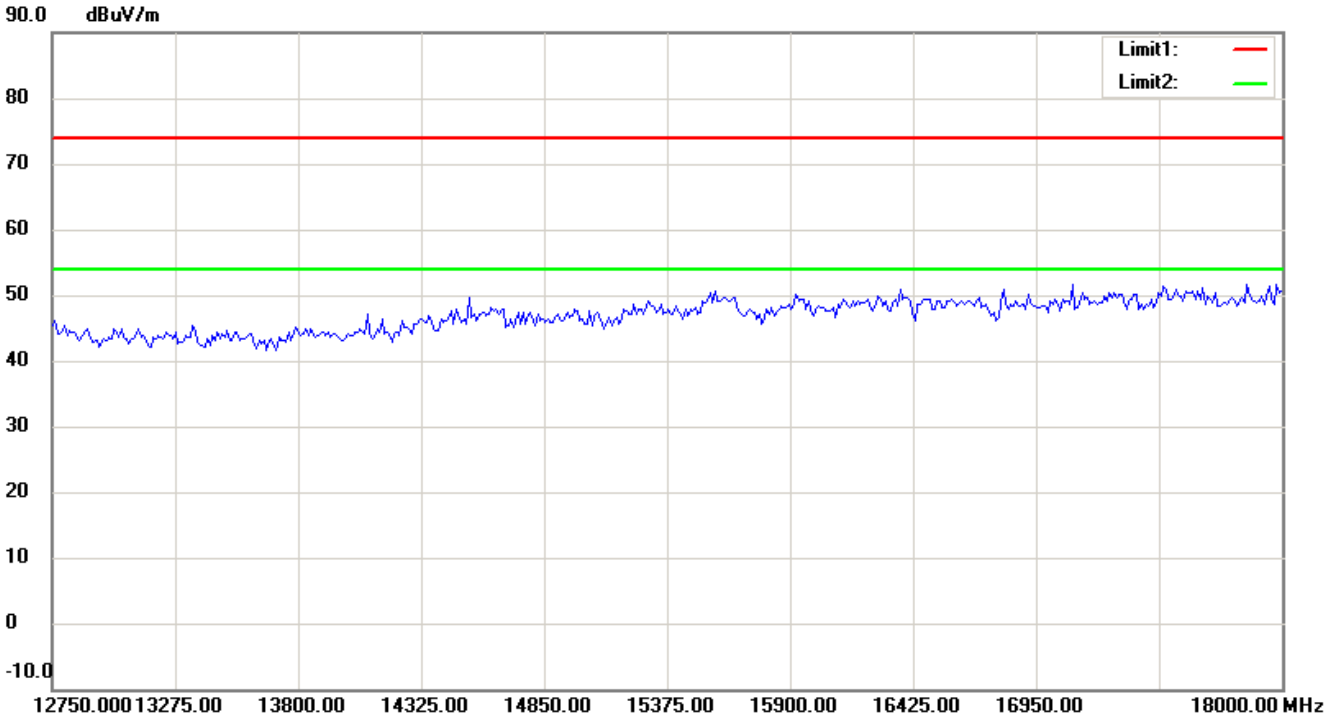
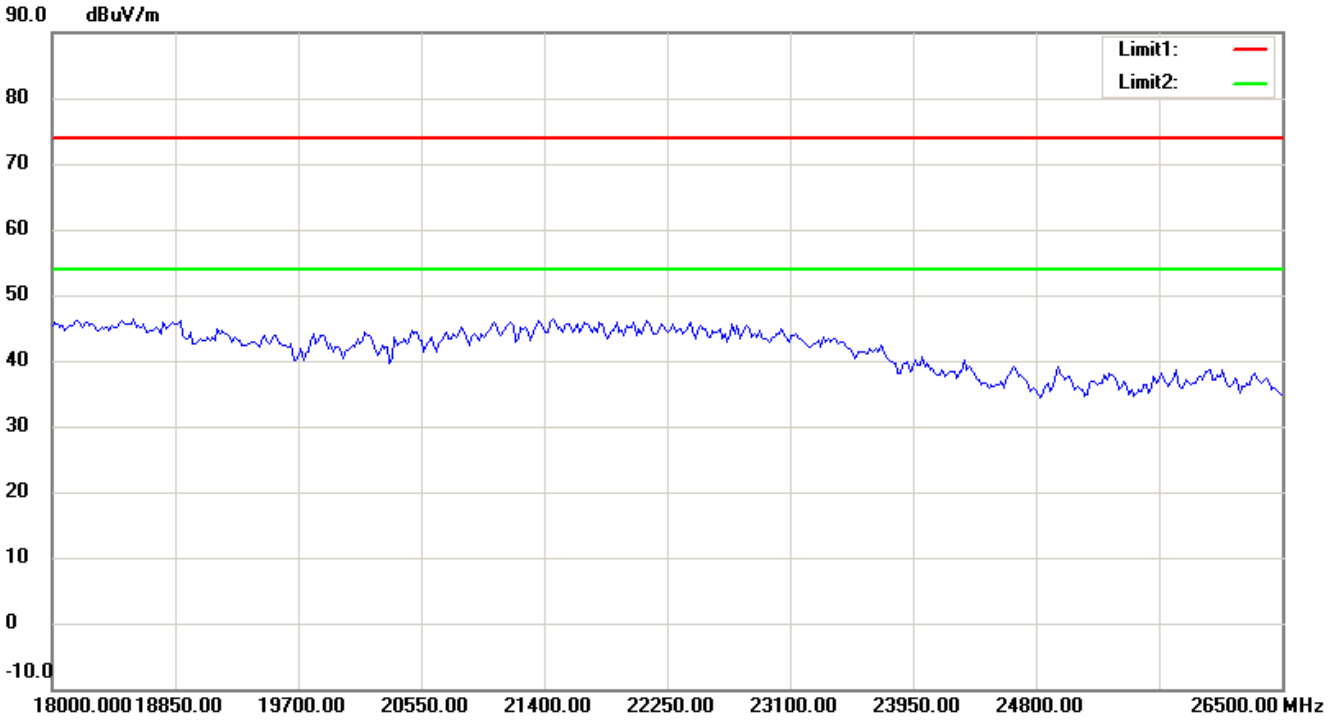
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





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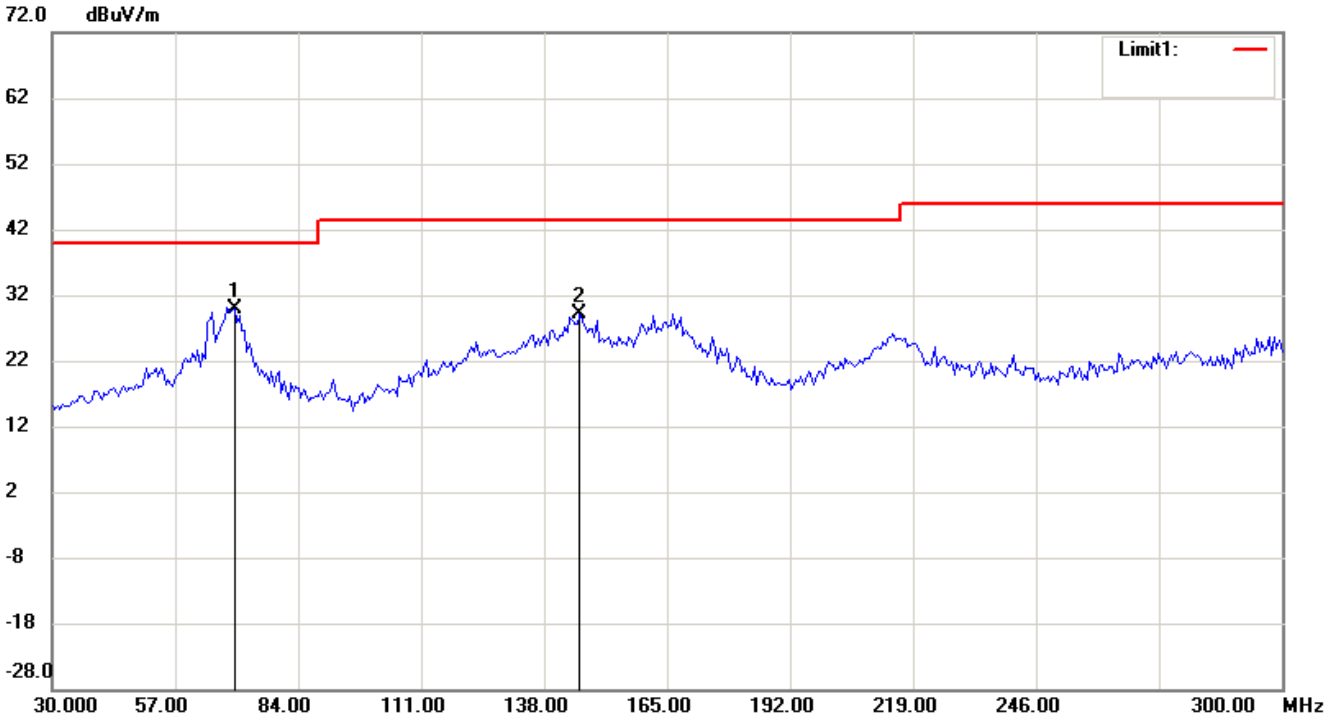
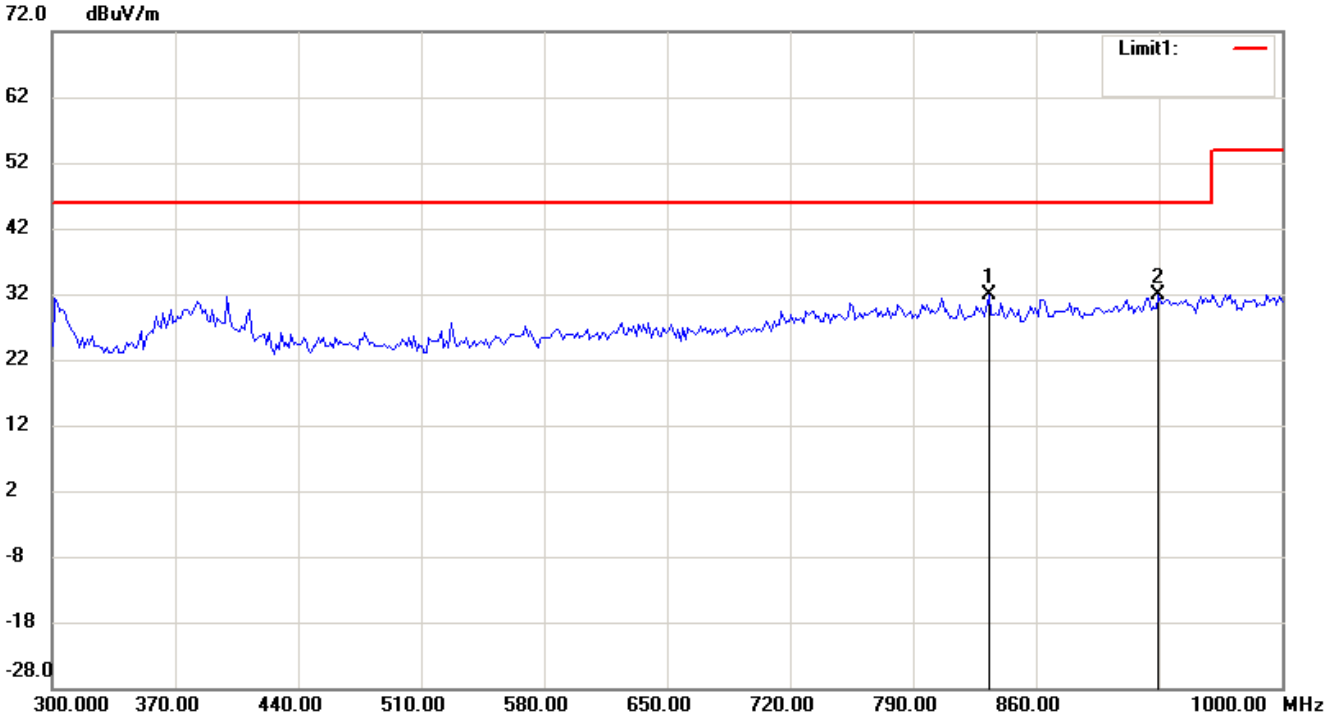
802.11n 20M
Channel 1
Antenna Polarization H





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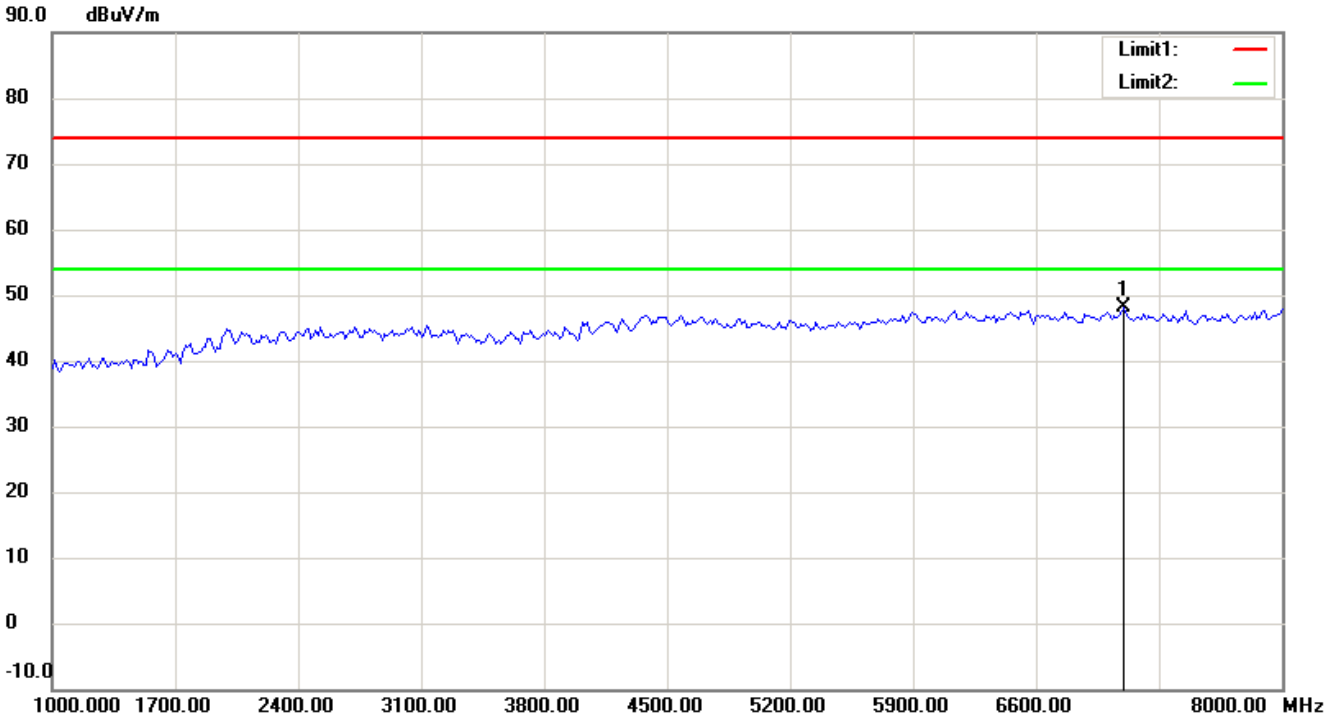
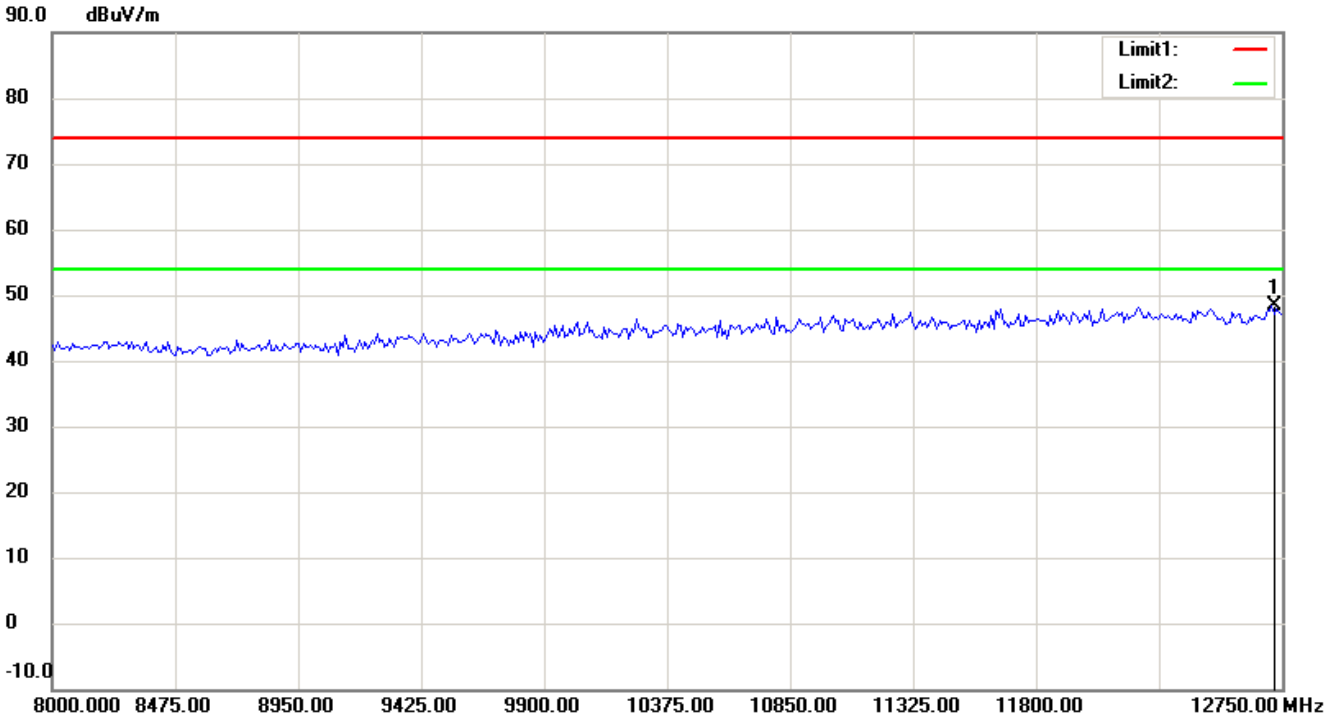
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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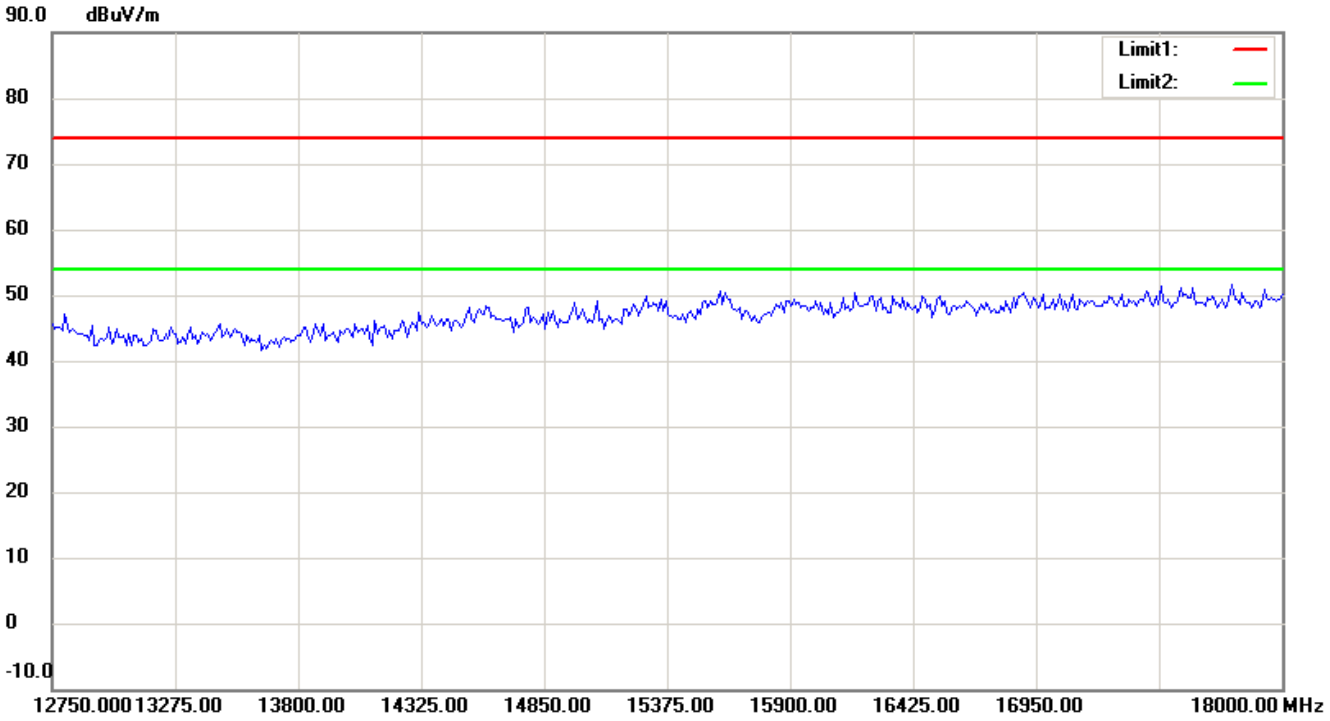
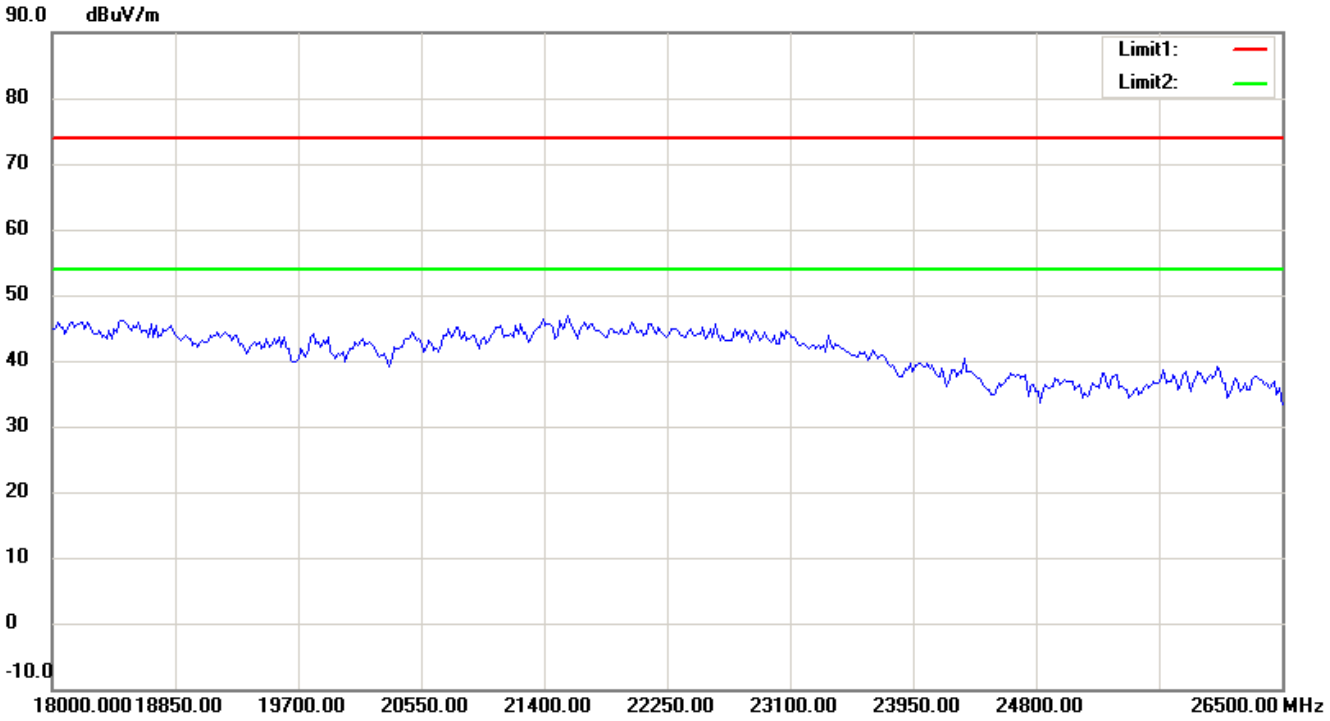
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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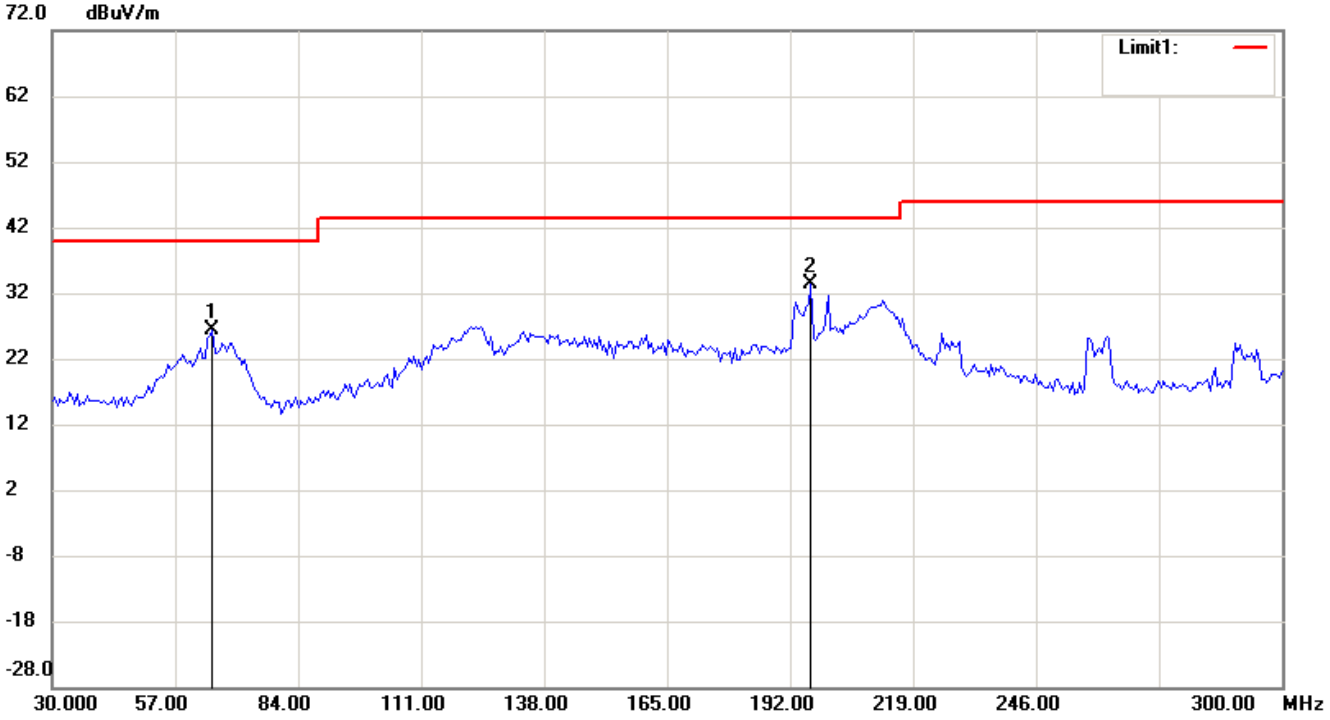
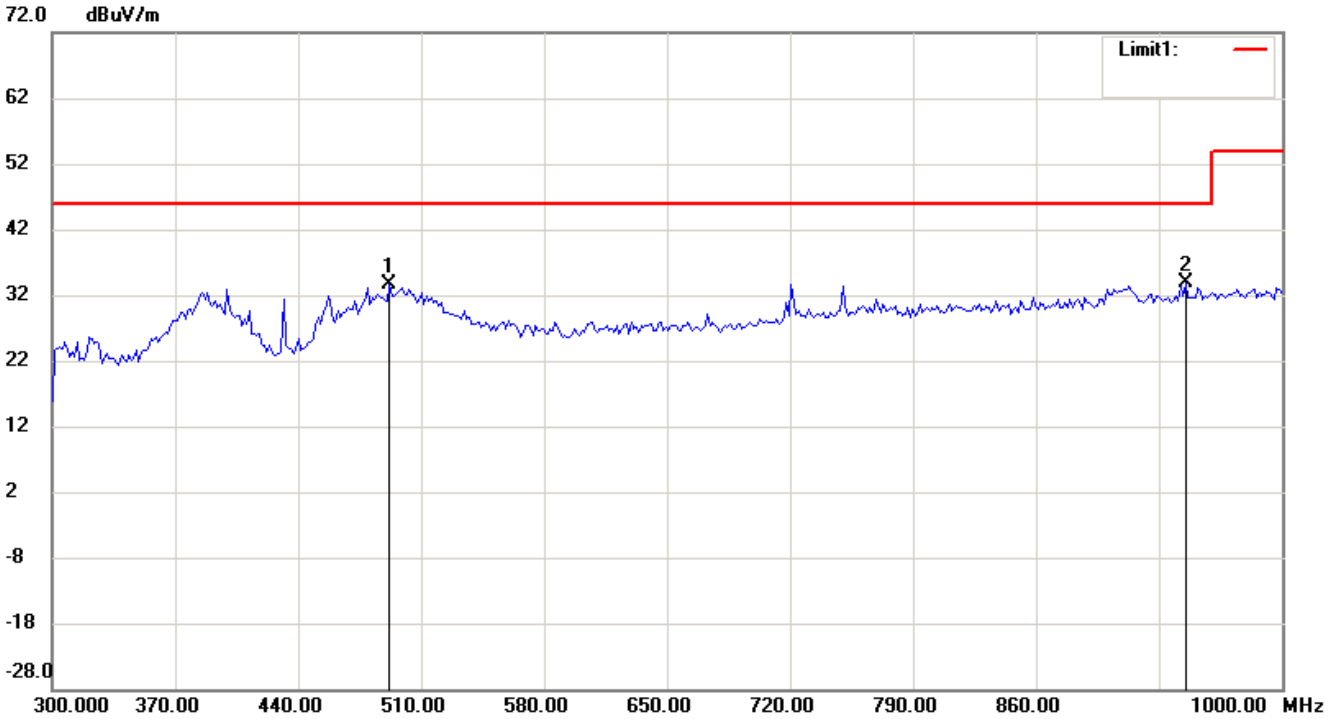
Antenna Polarization V





Note:
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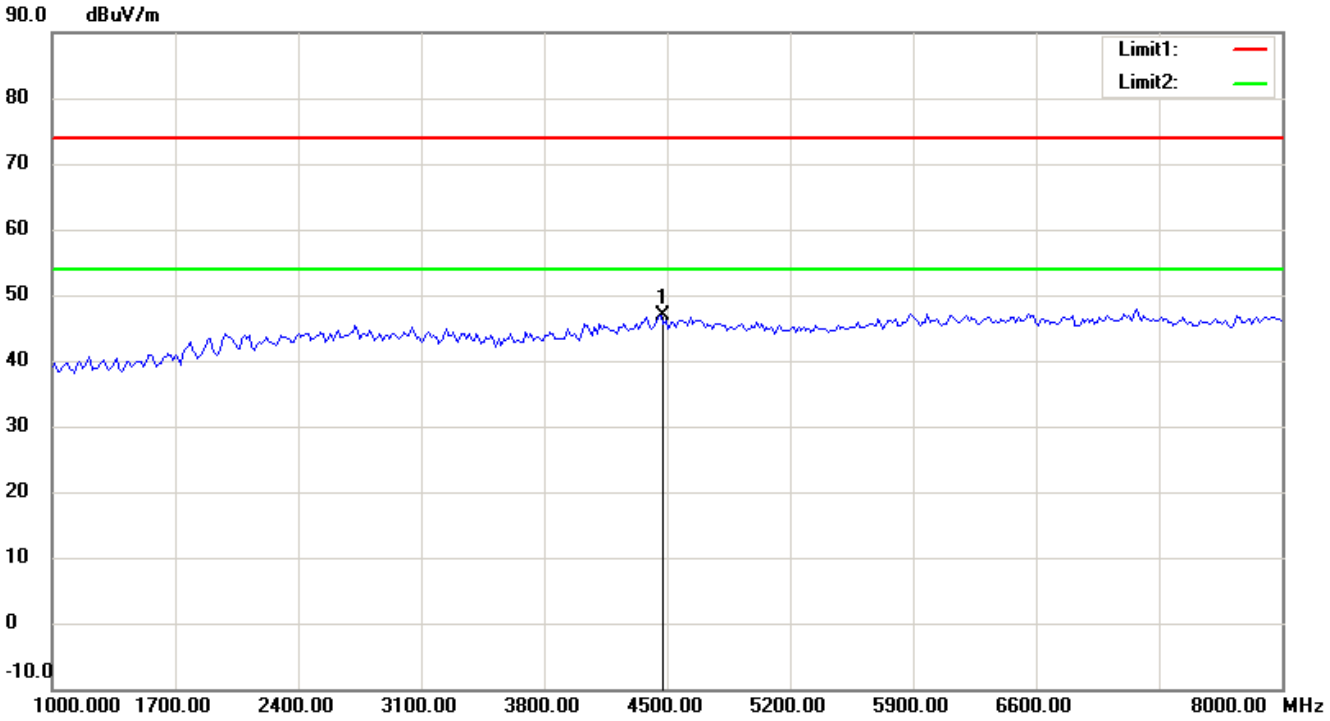
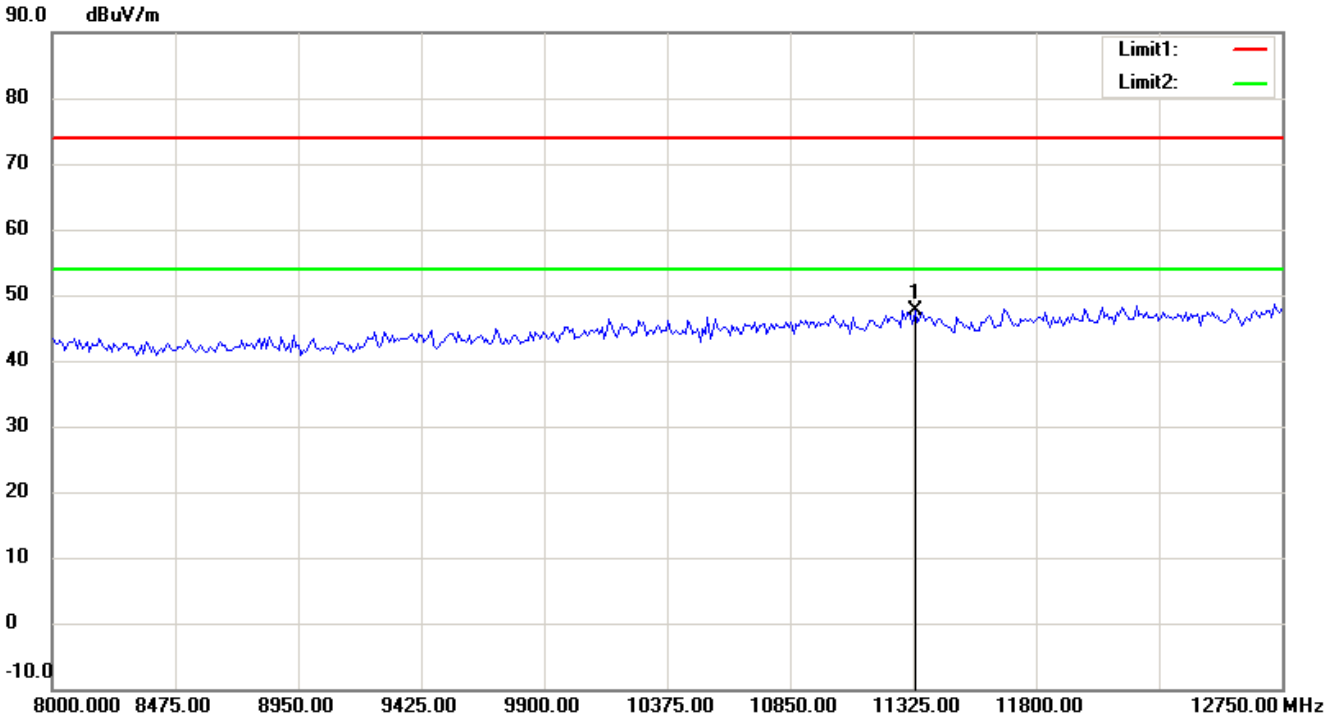
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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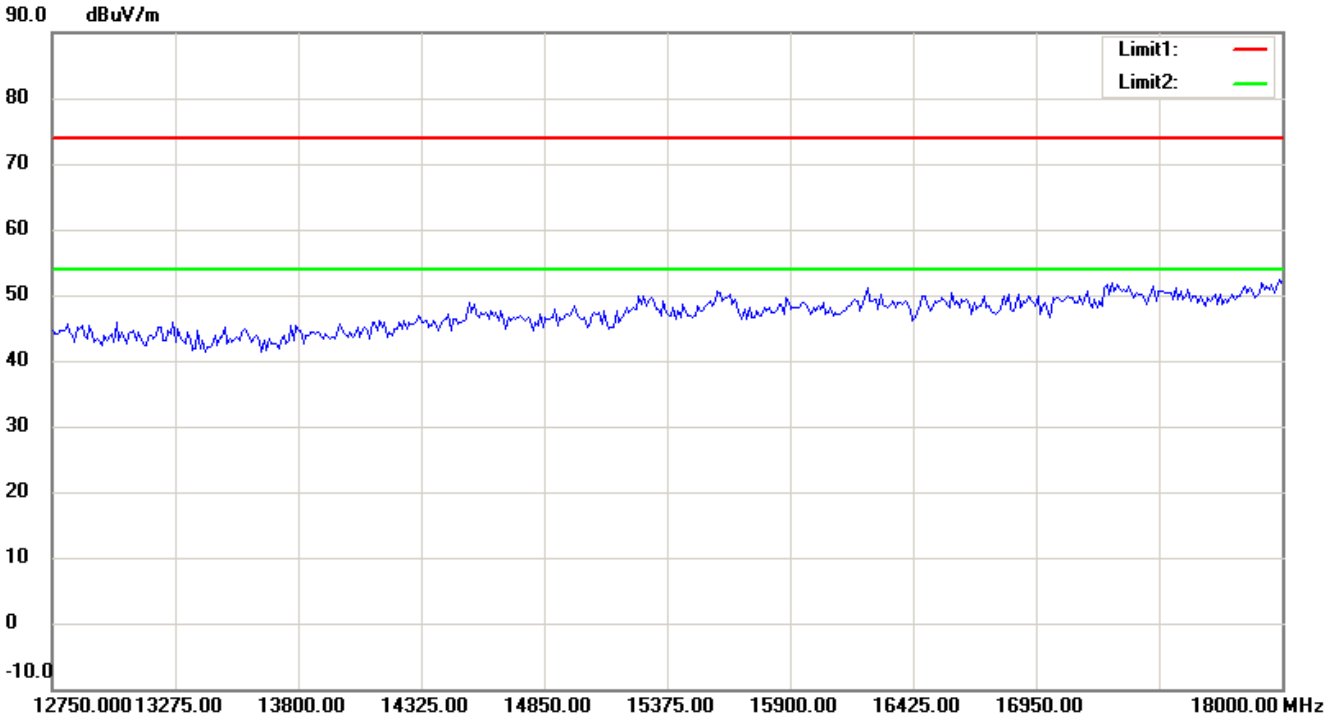

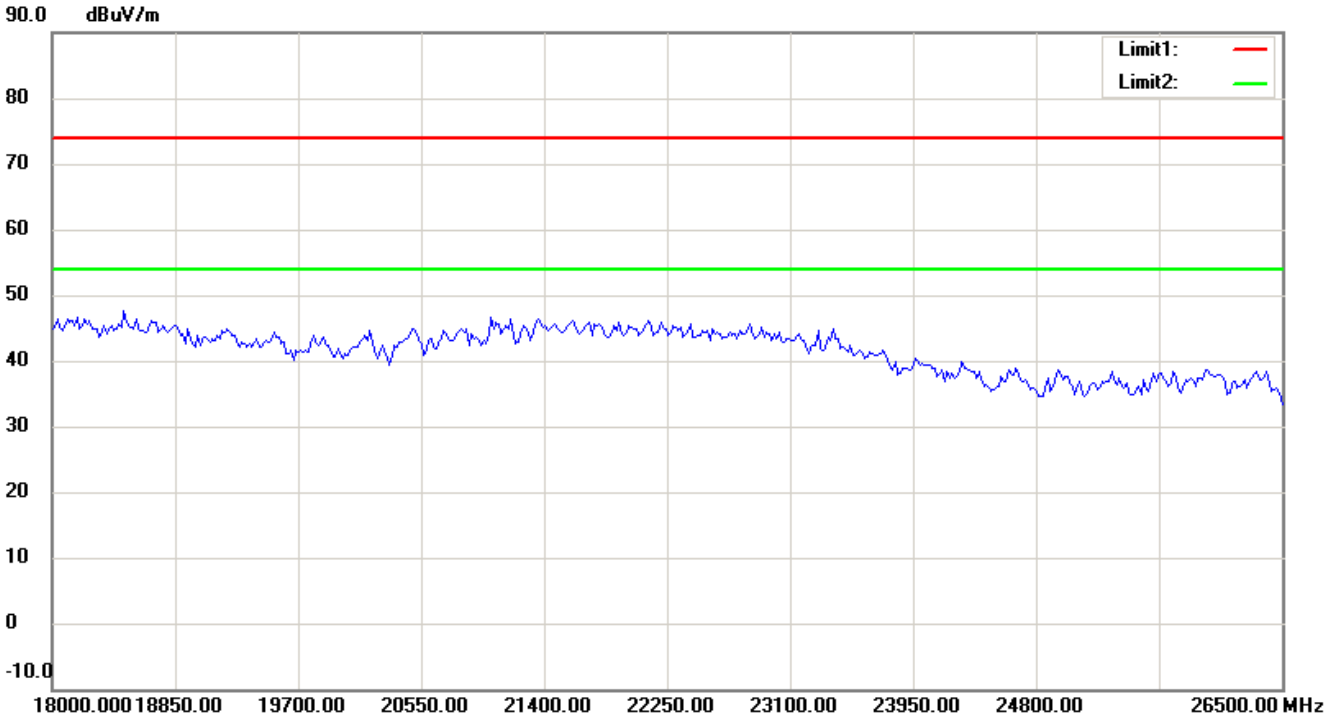

Note:
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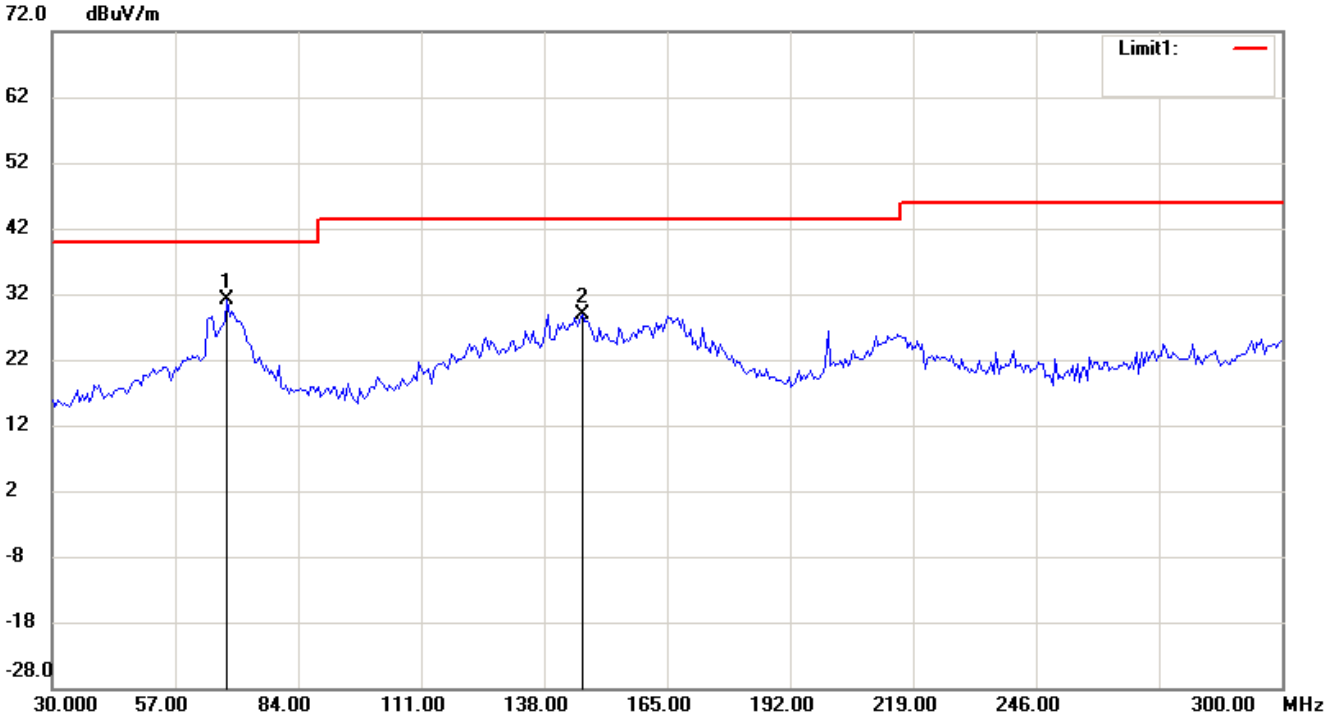
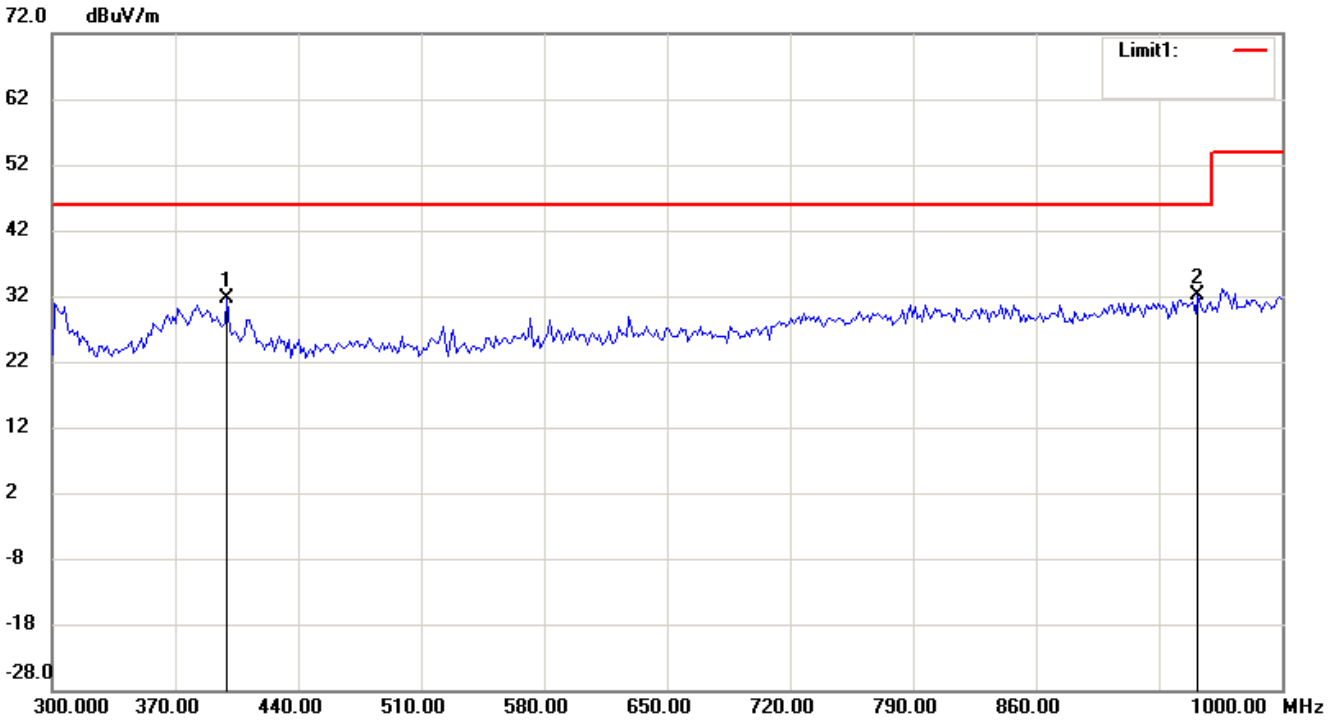
Channel 6
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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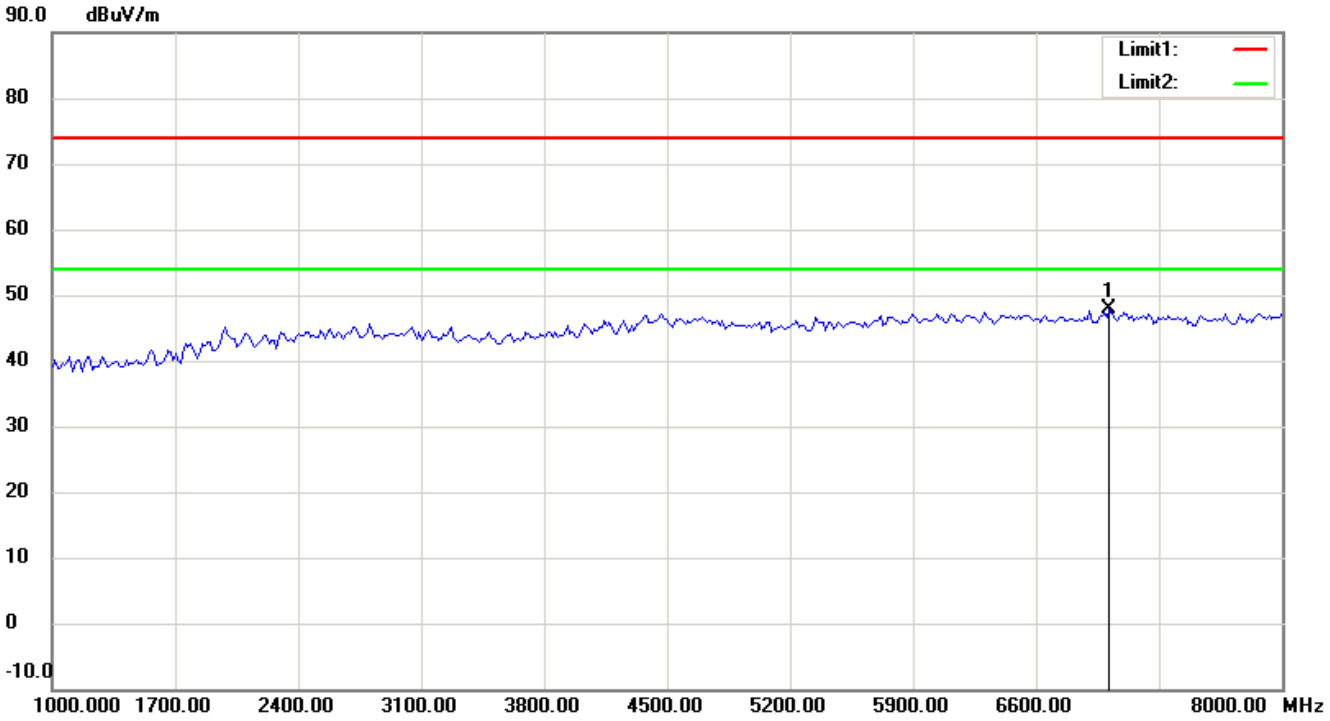
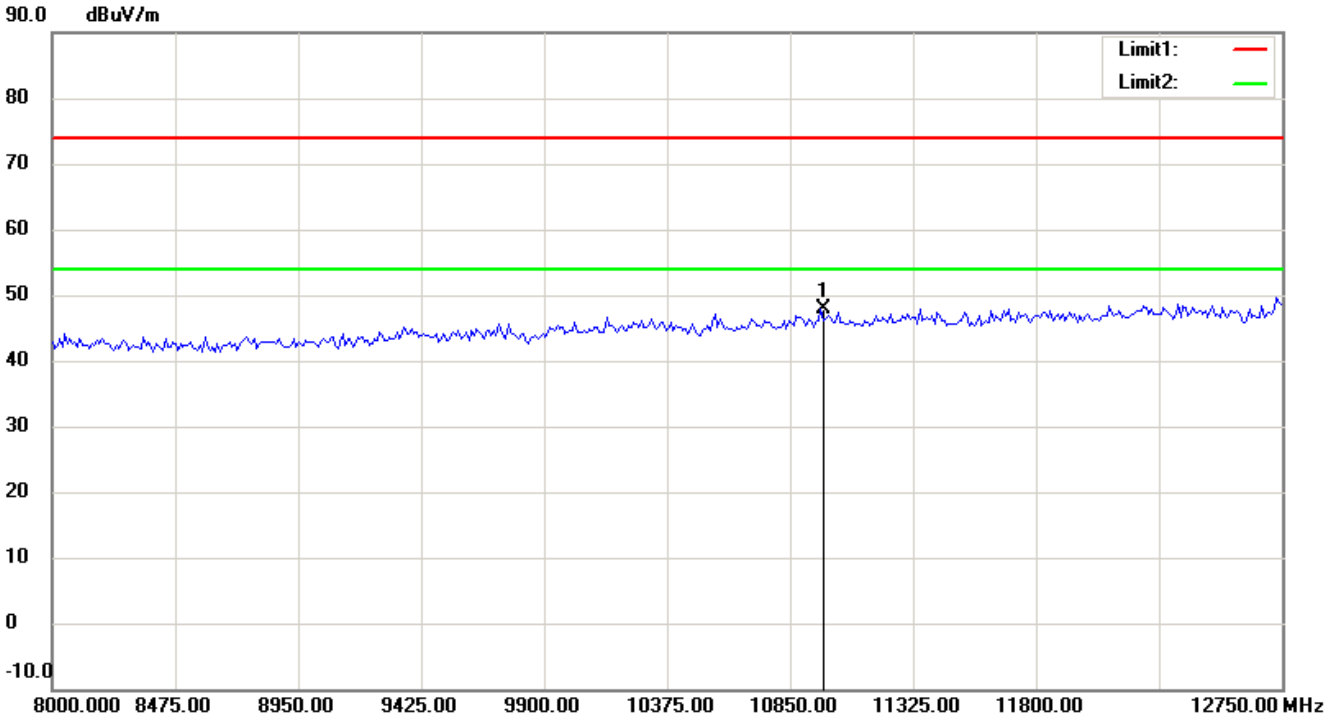
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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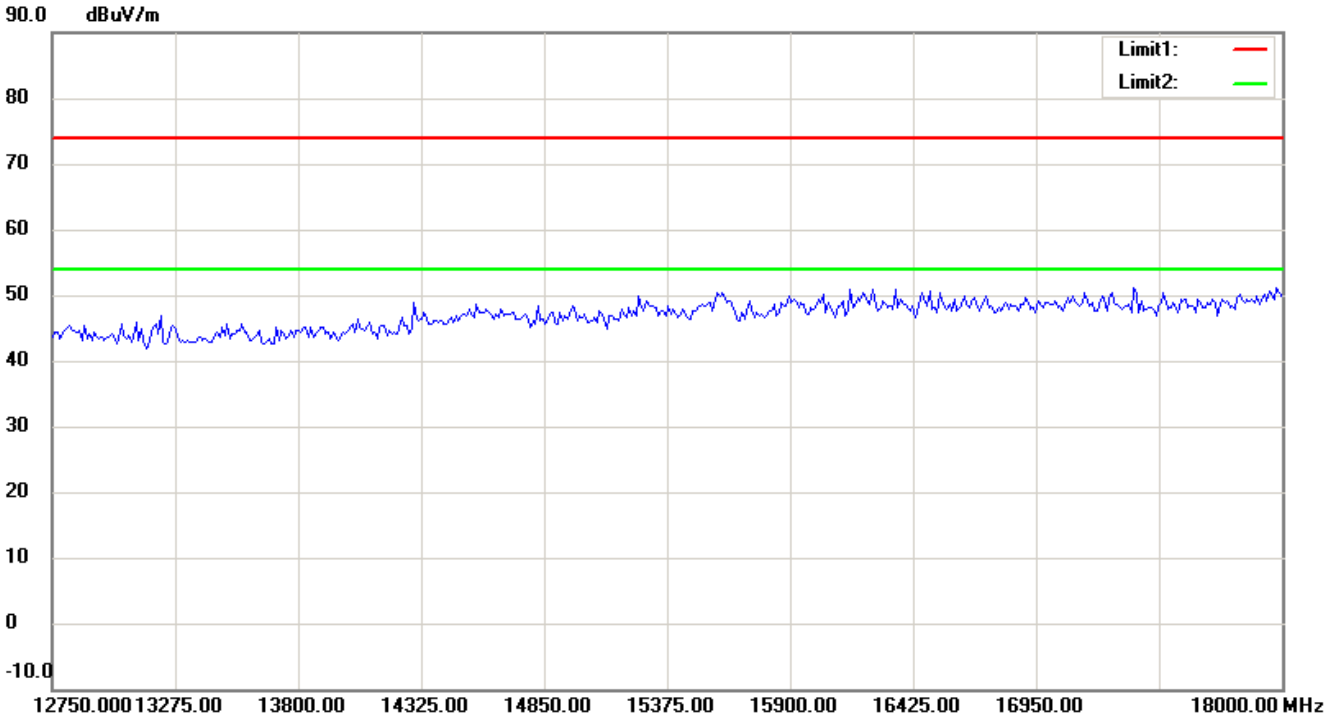
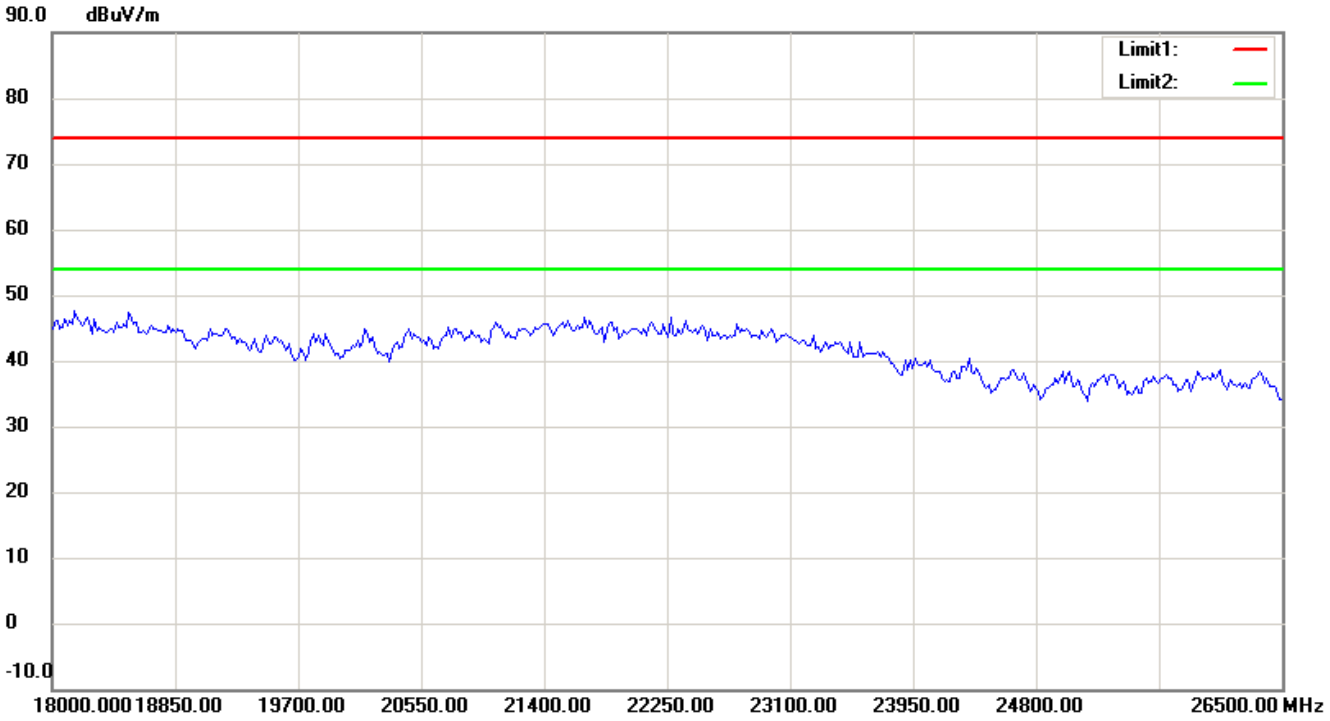
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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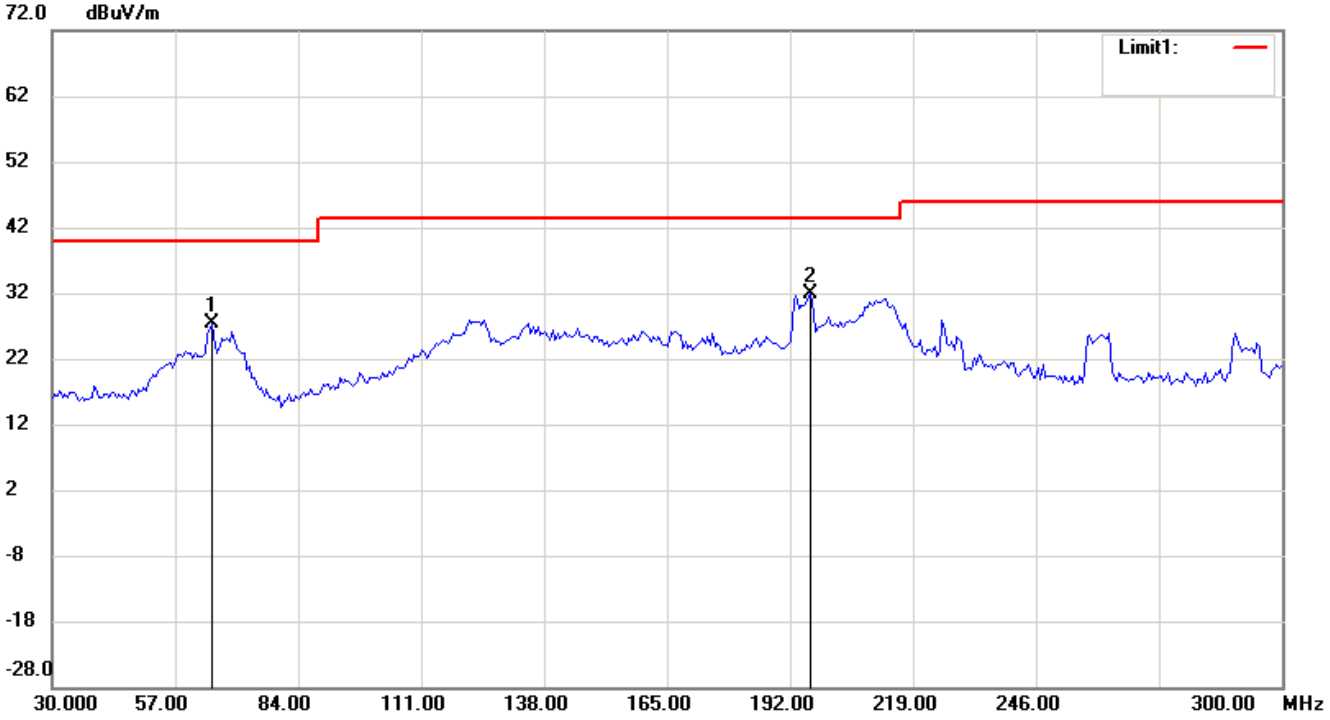
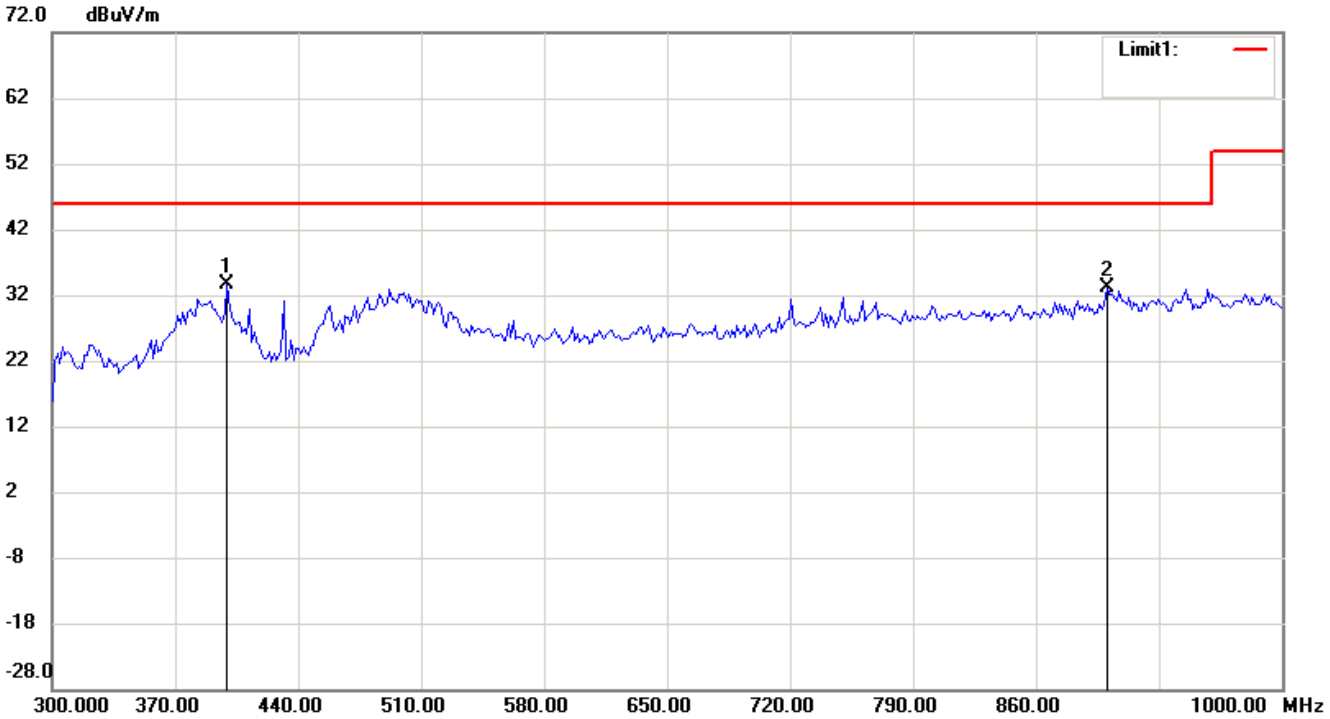
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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Registration number: W6D21105-11474-C-1
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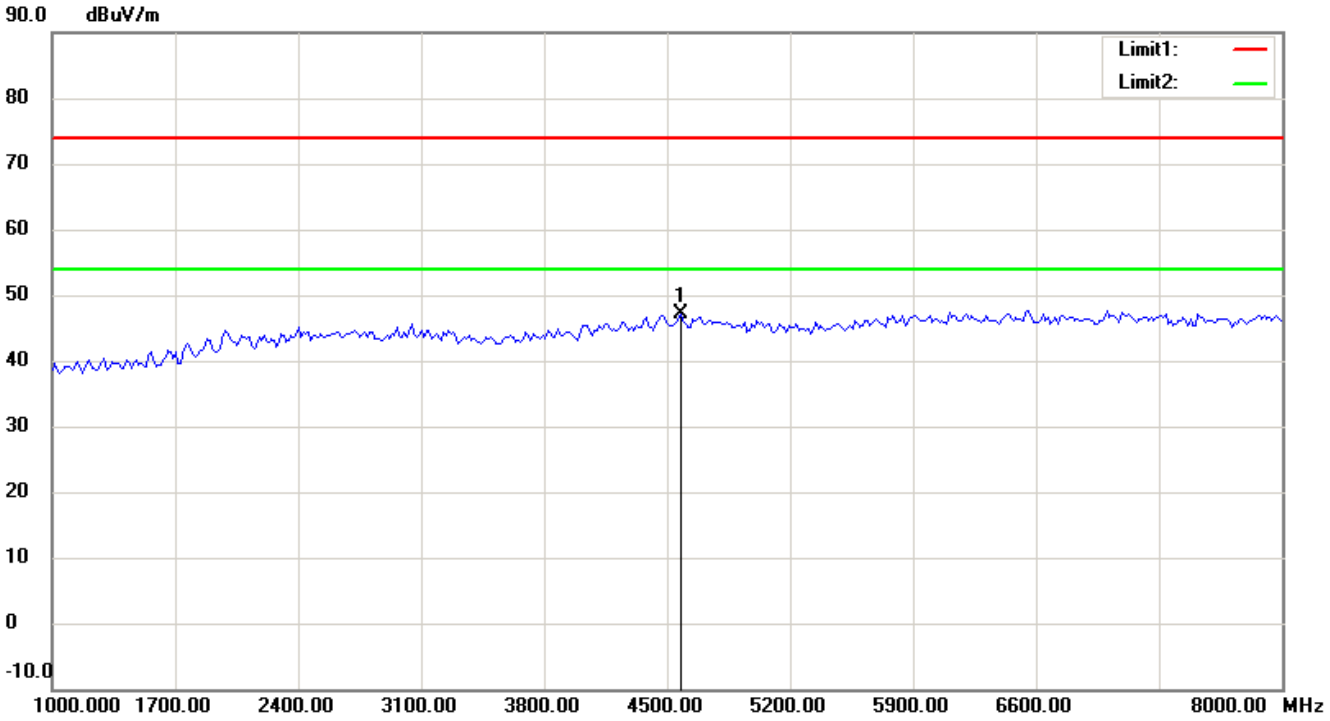

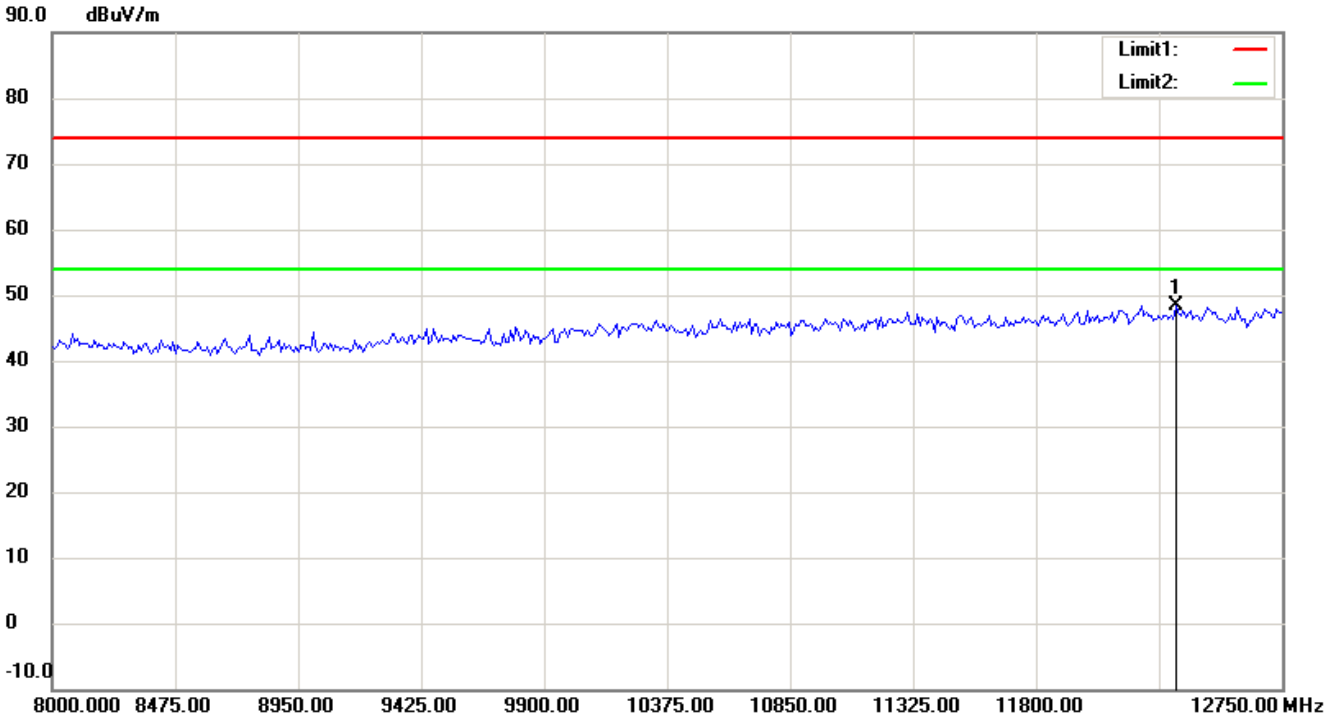

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Registration number: W6D21105-11474-C-1
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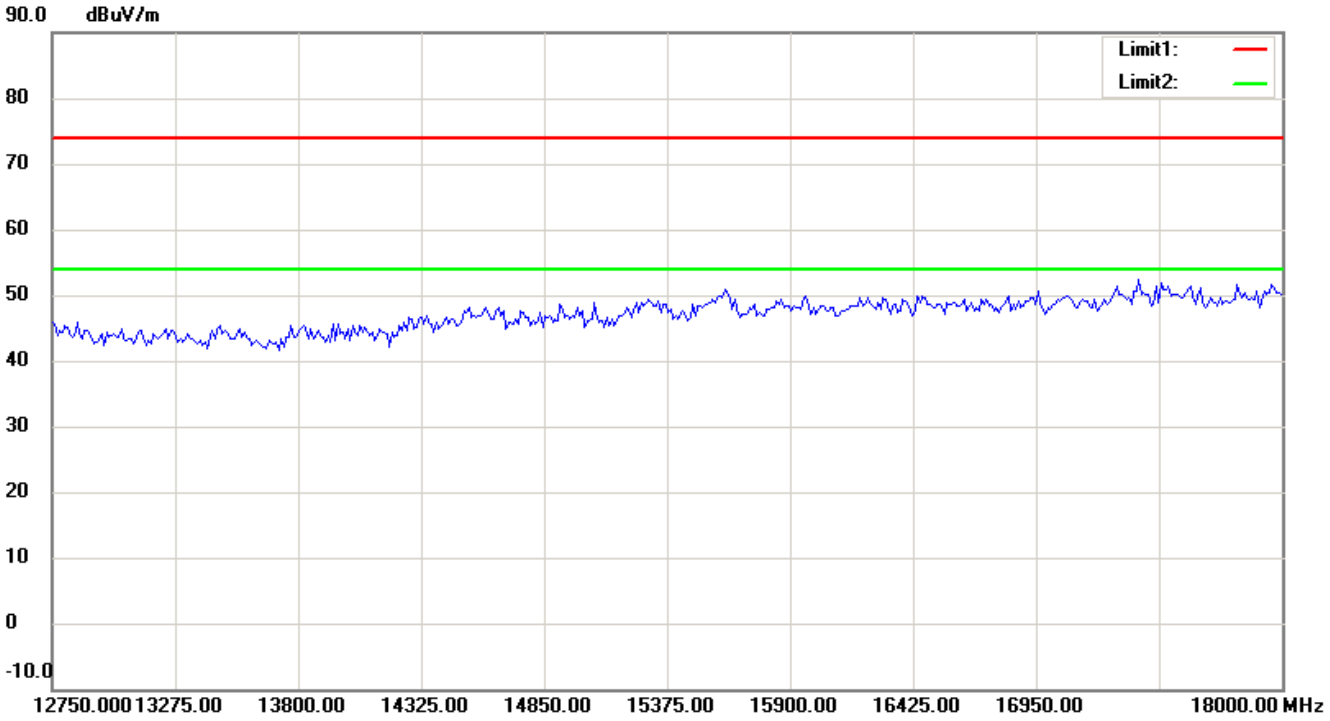

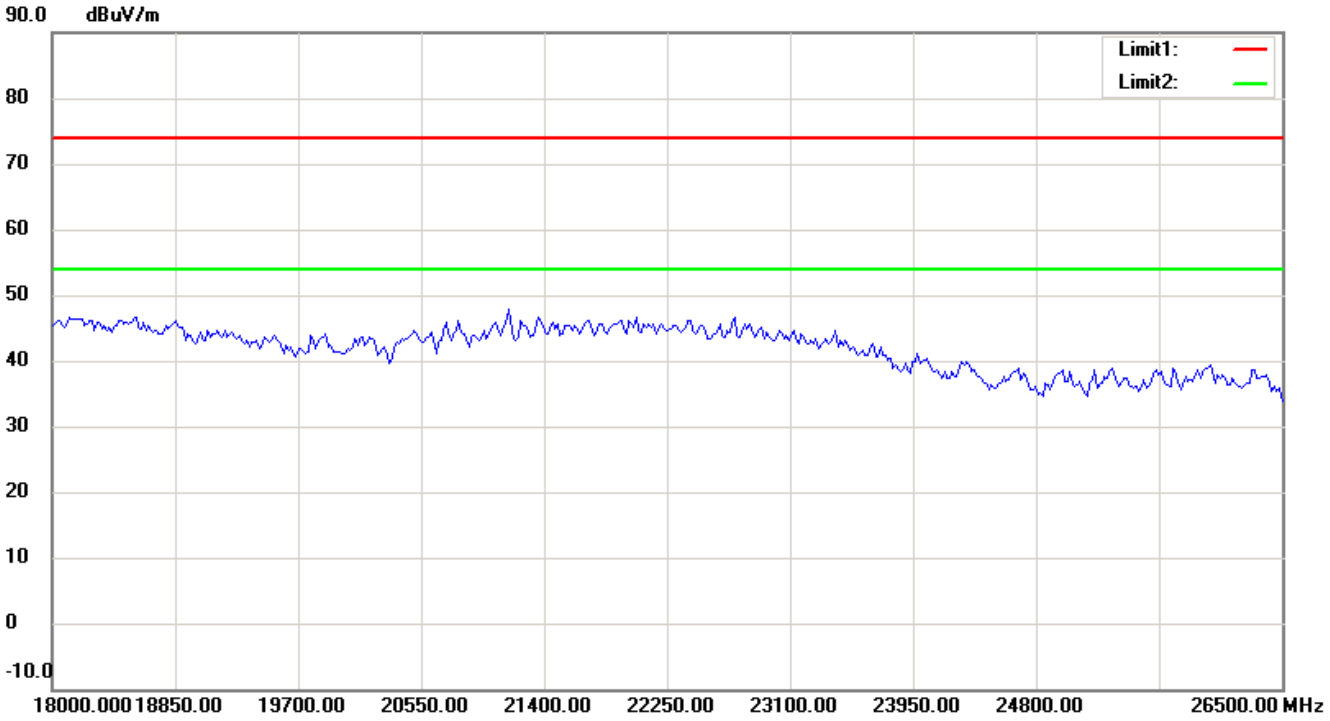

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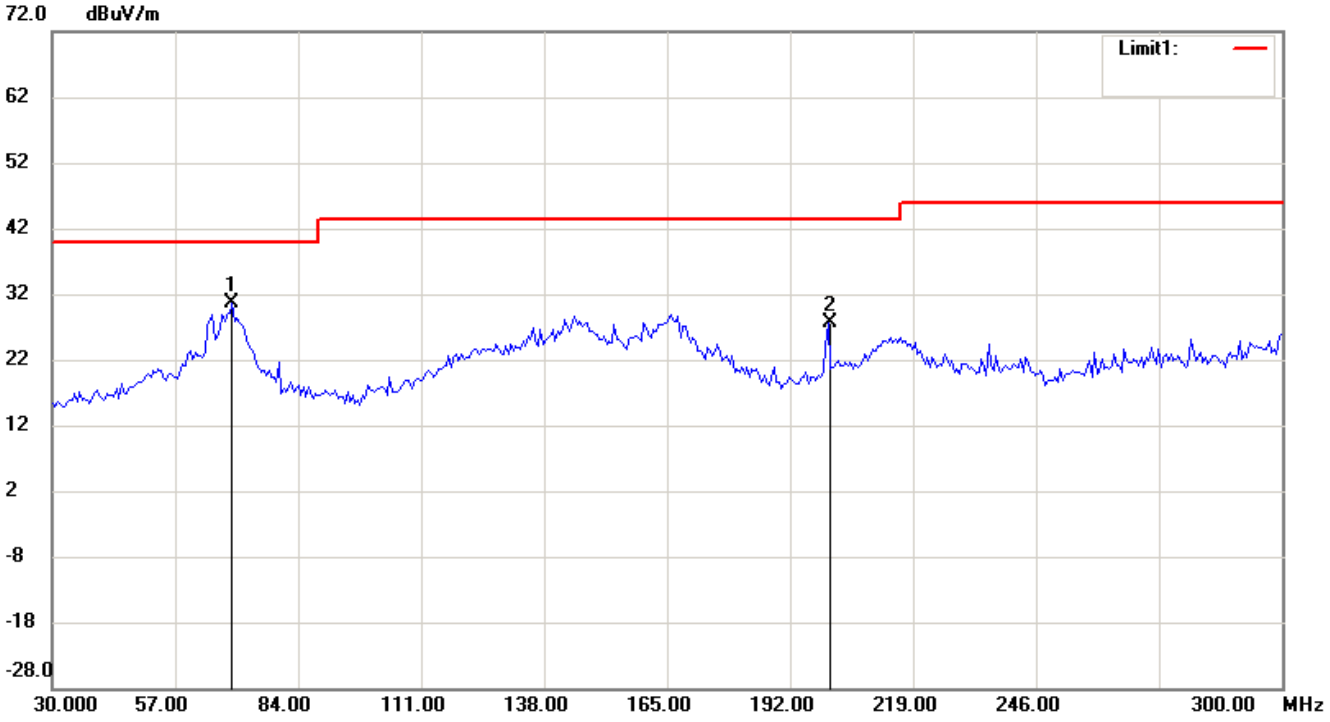
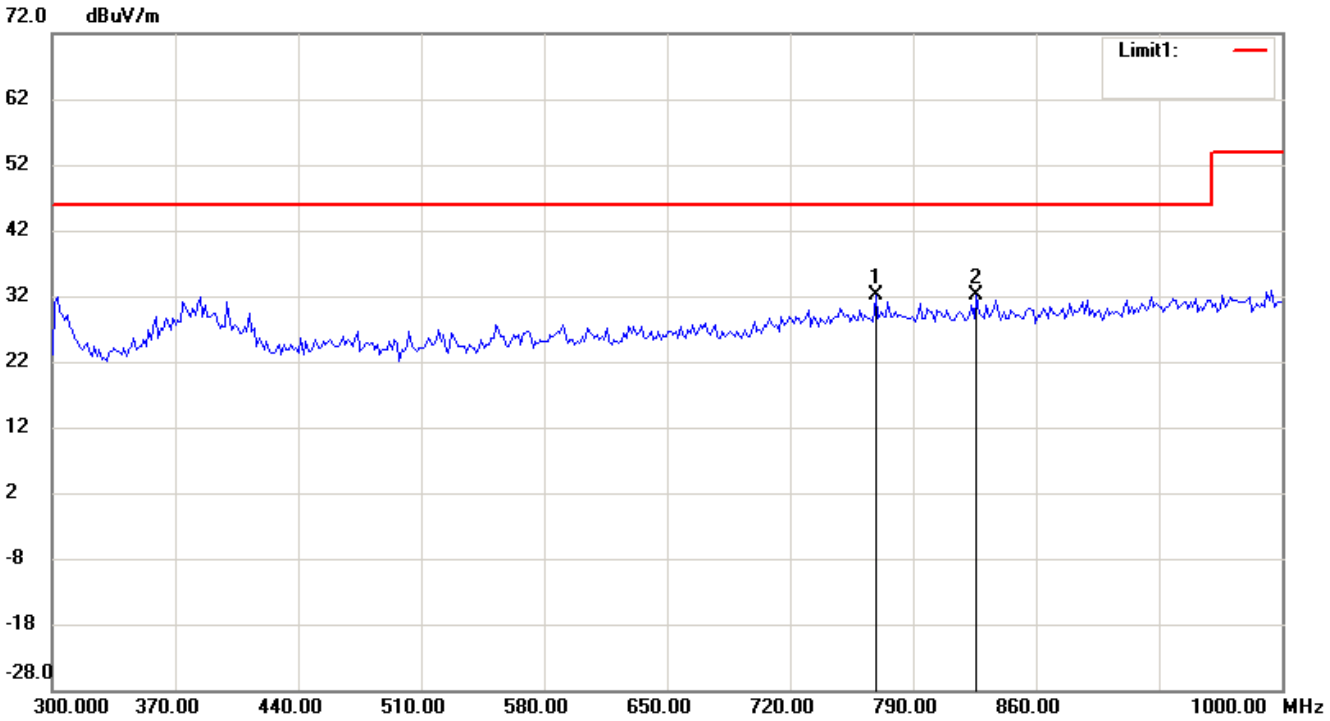
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

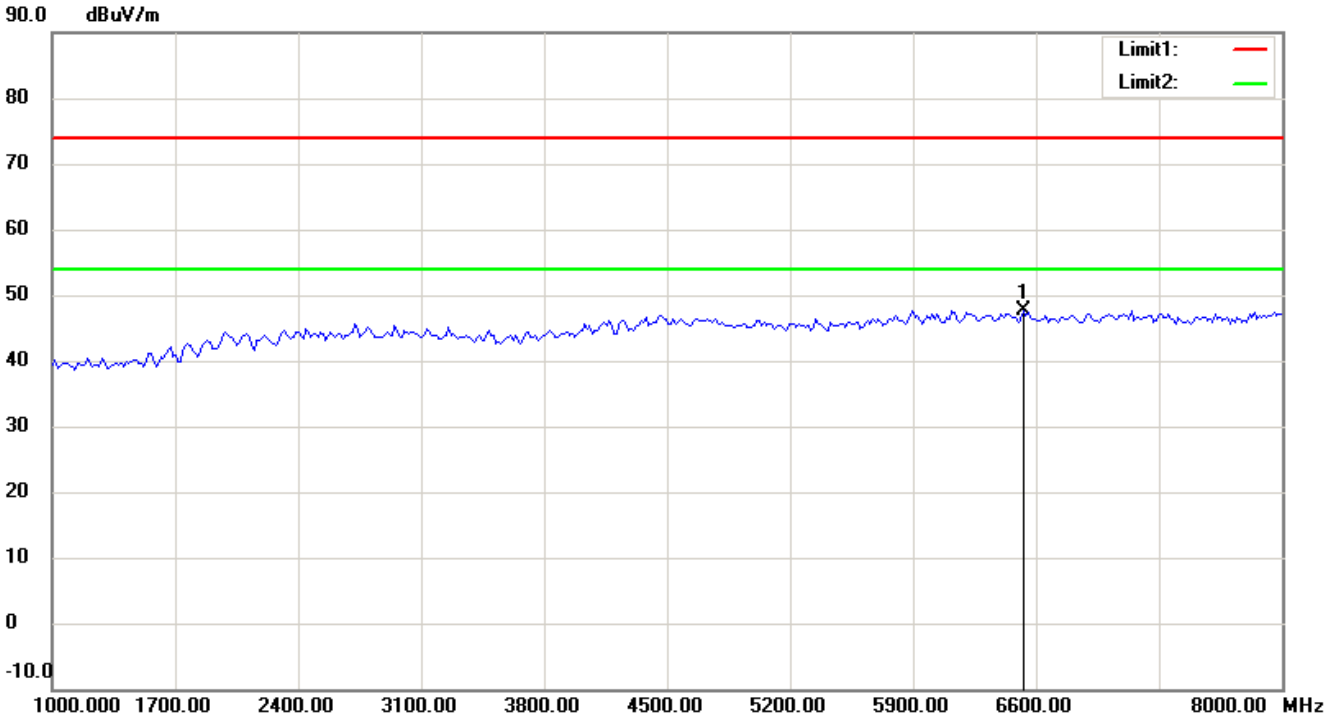
Channel 11
Antenna Polarization H

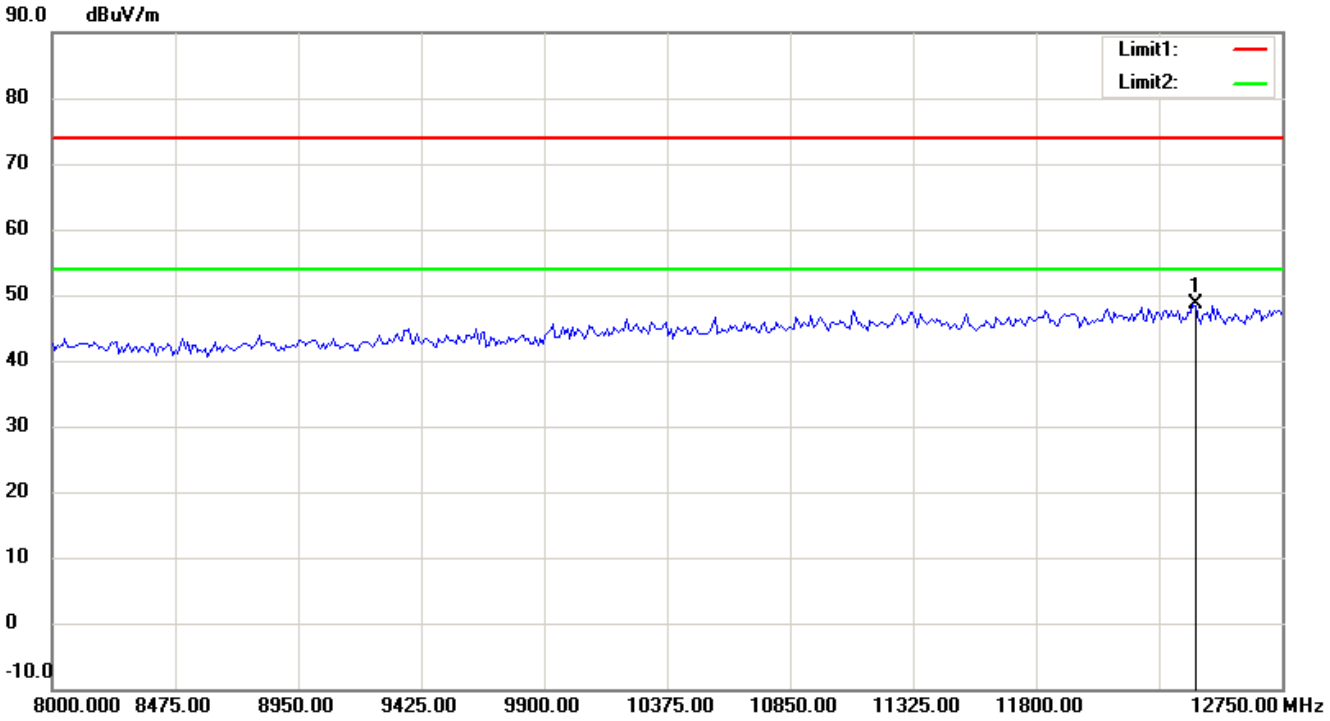




Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
1 The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2 The some frequencies may exceed the limit line without the specified detectors, but 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: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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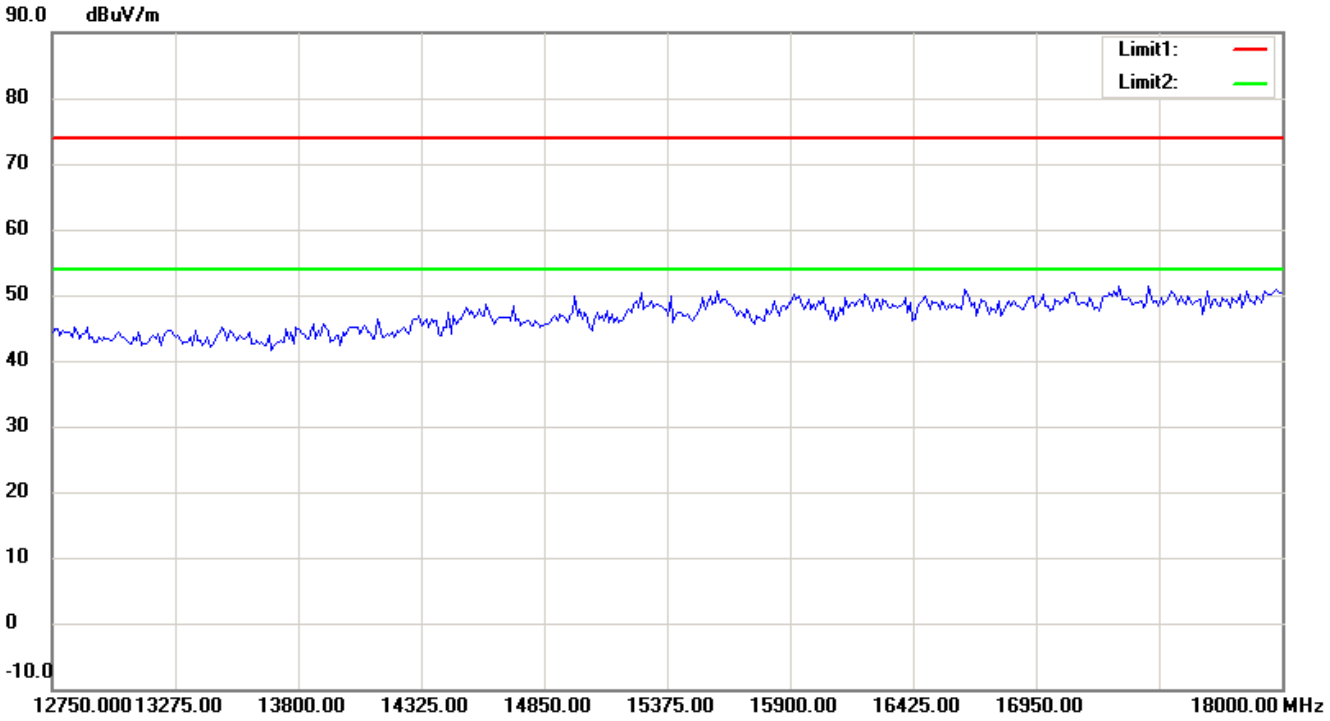
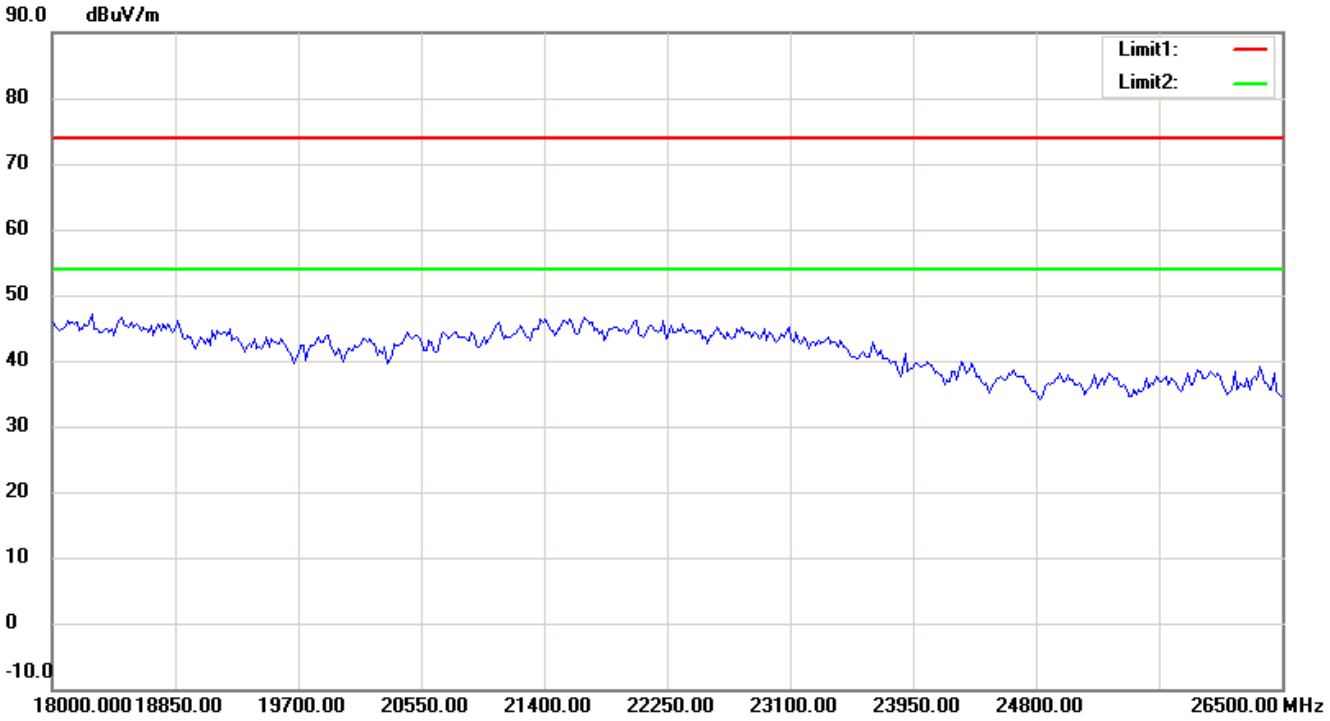
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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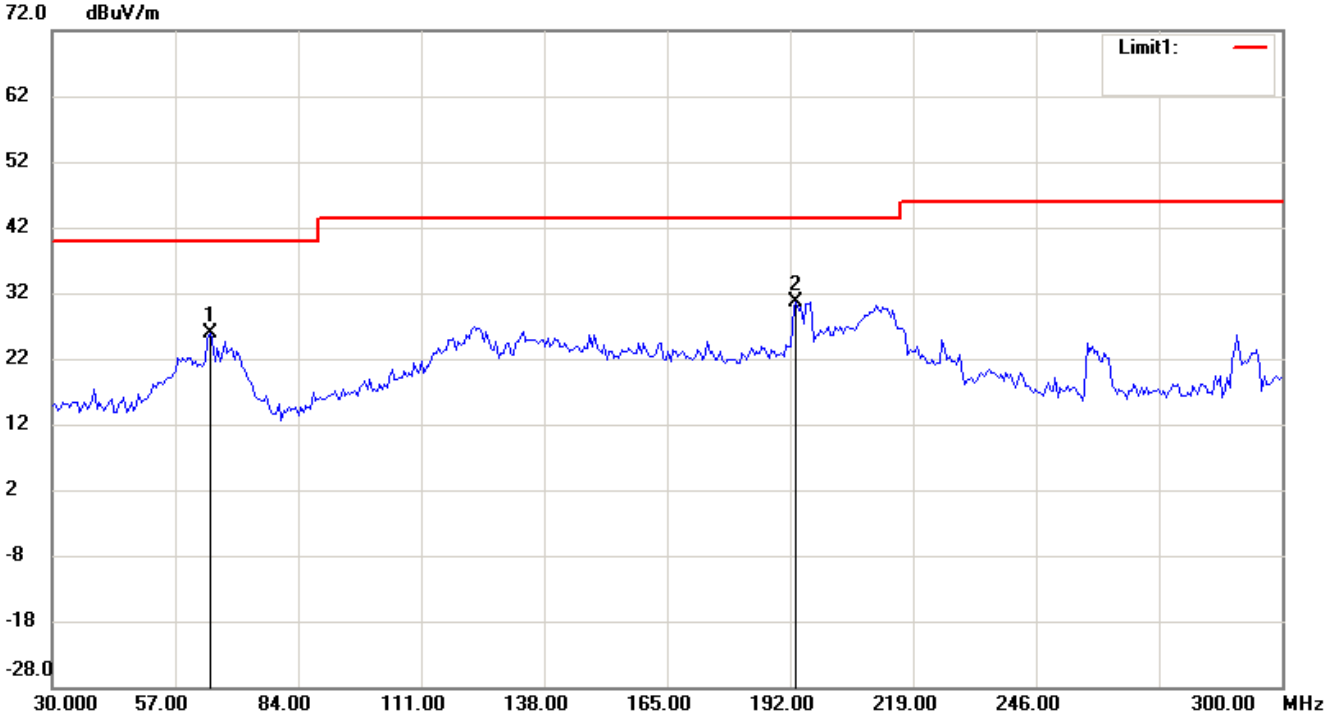
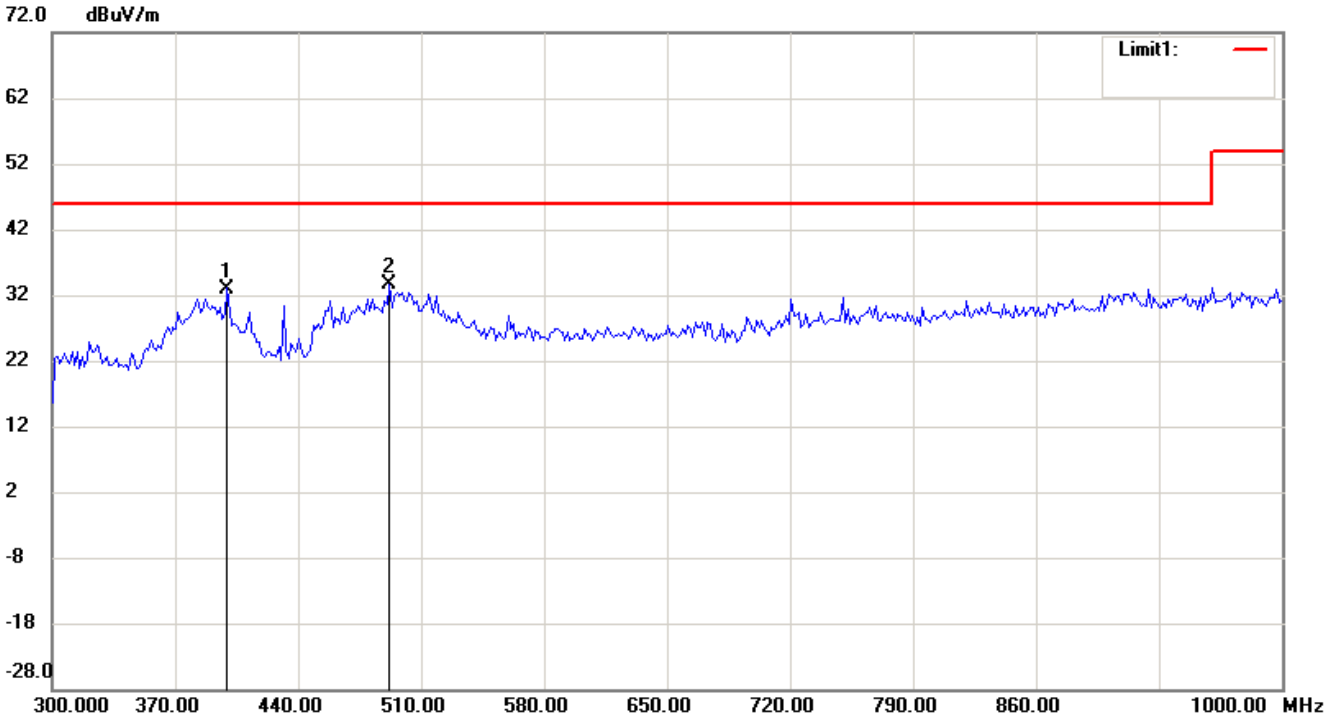
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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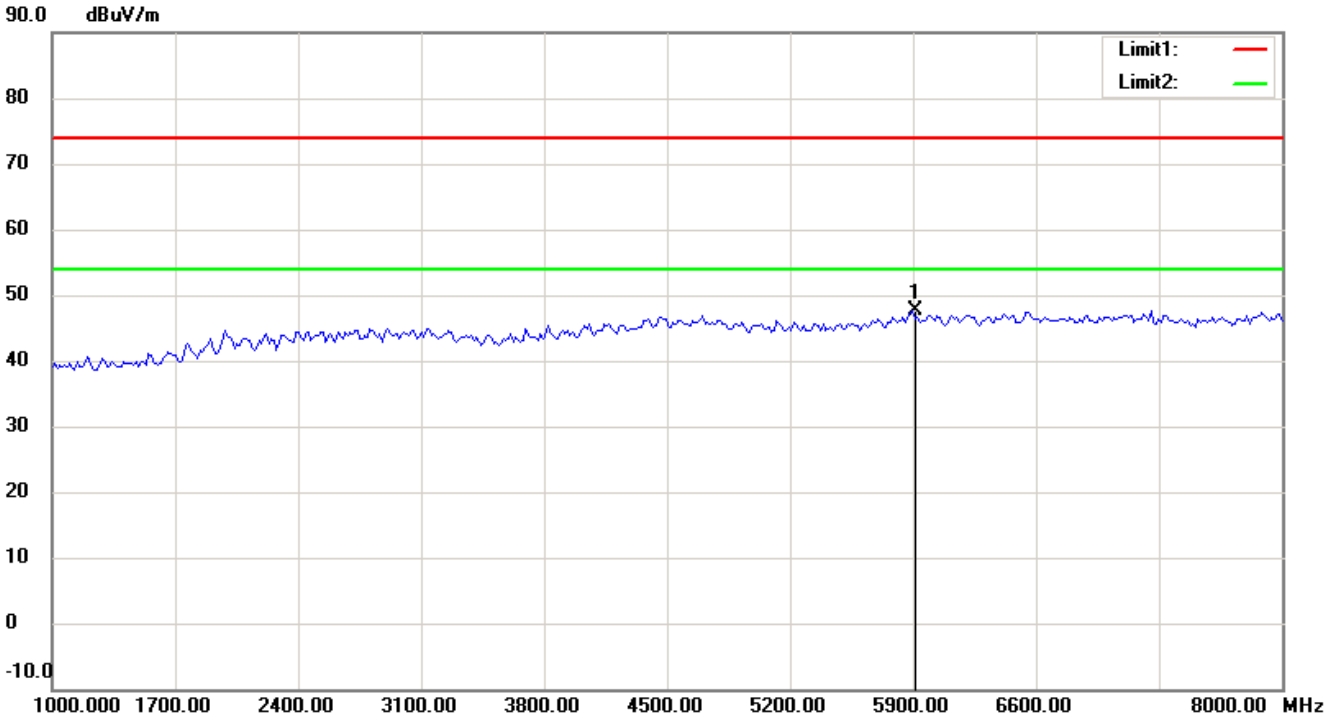
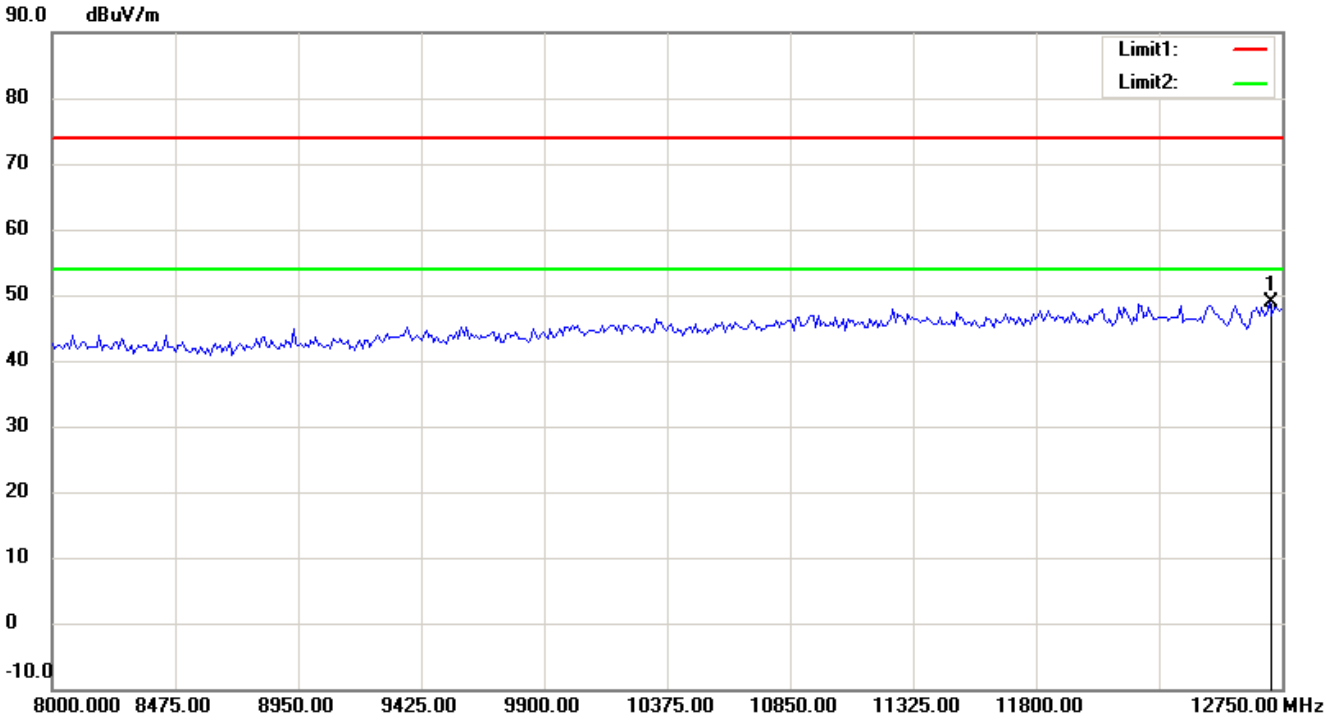
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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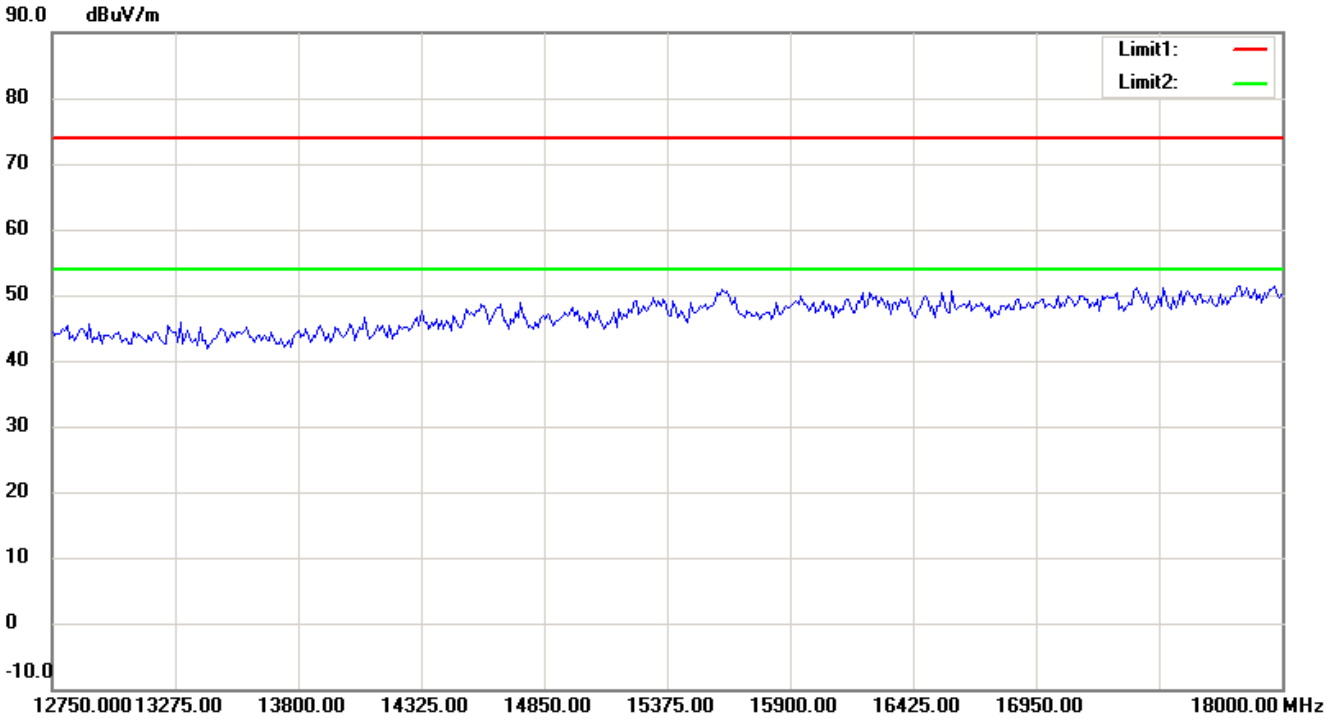
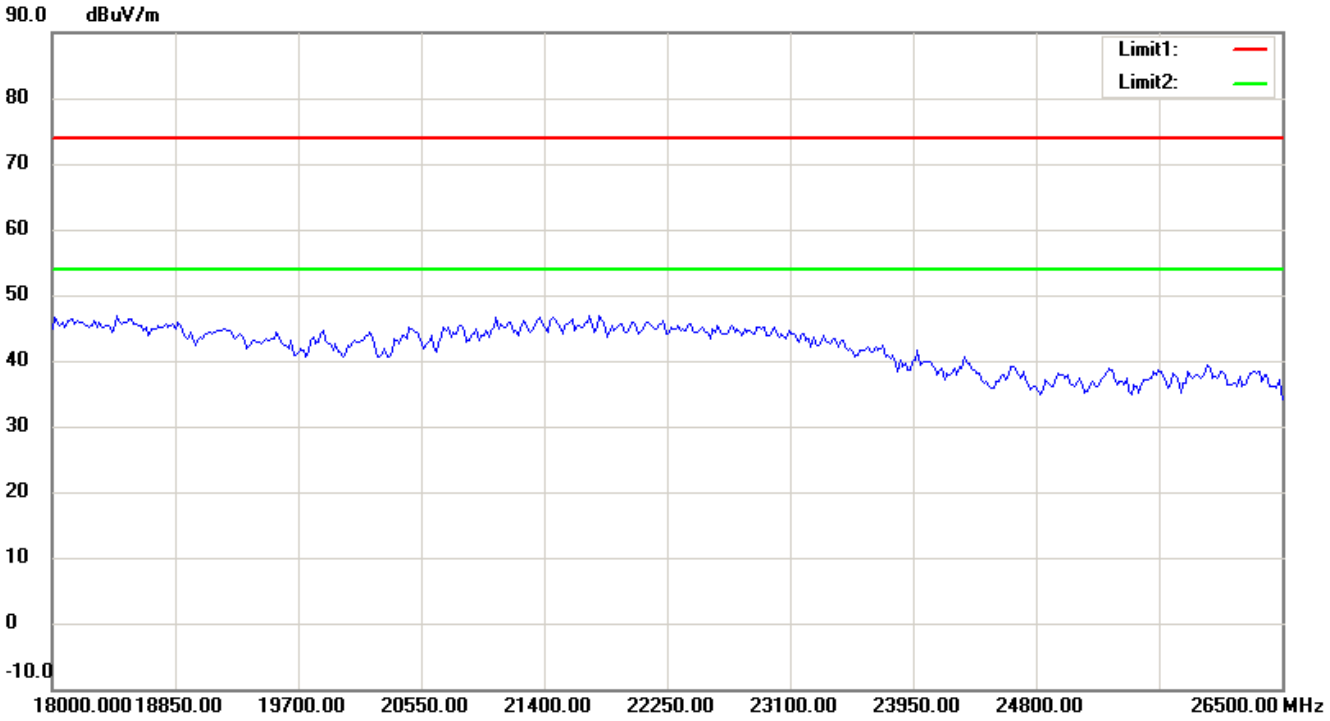
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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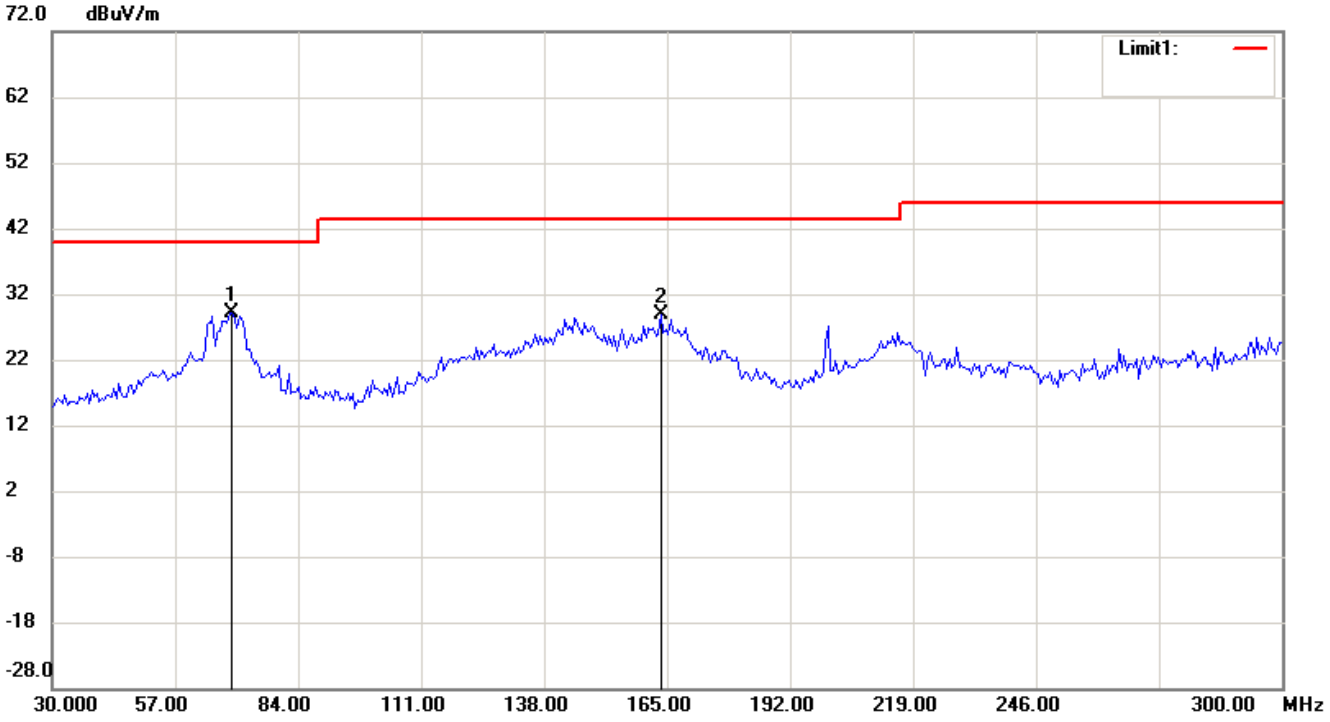
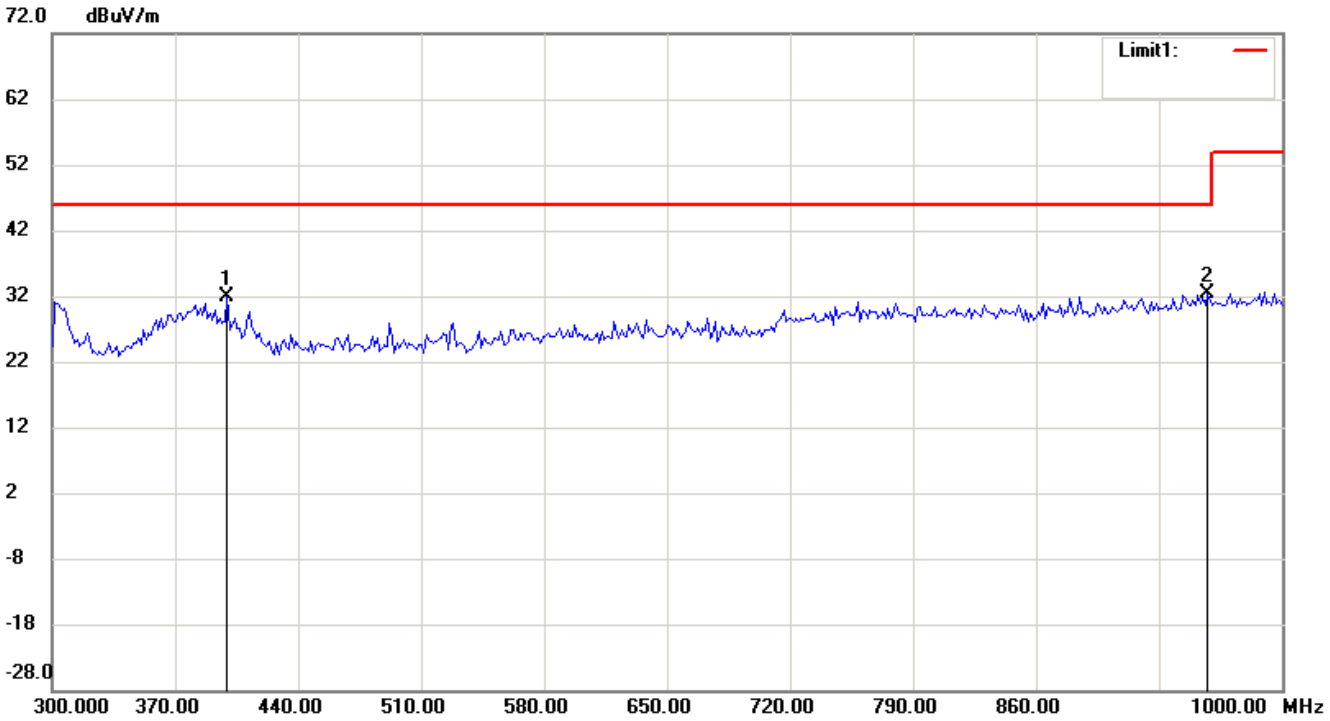
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

802.11n 40M
Channel 1
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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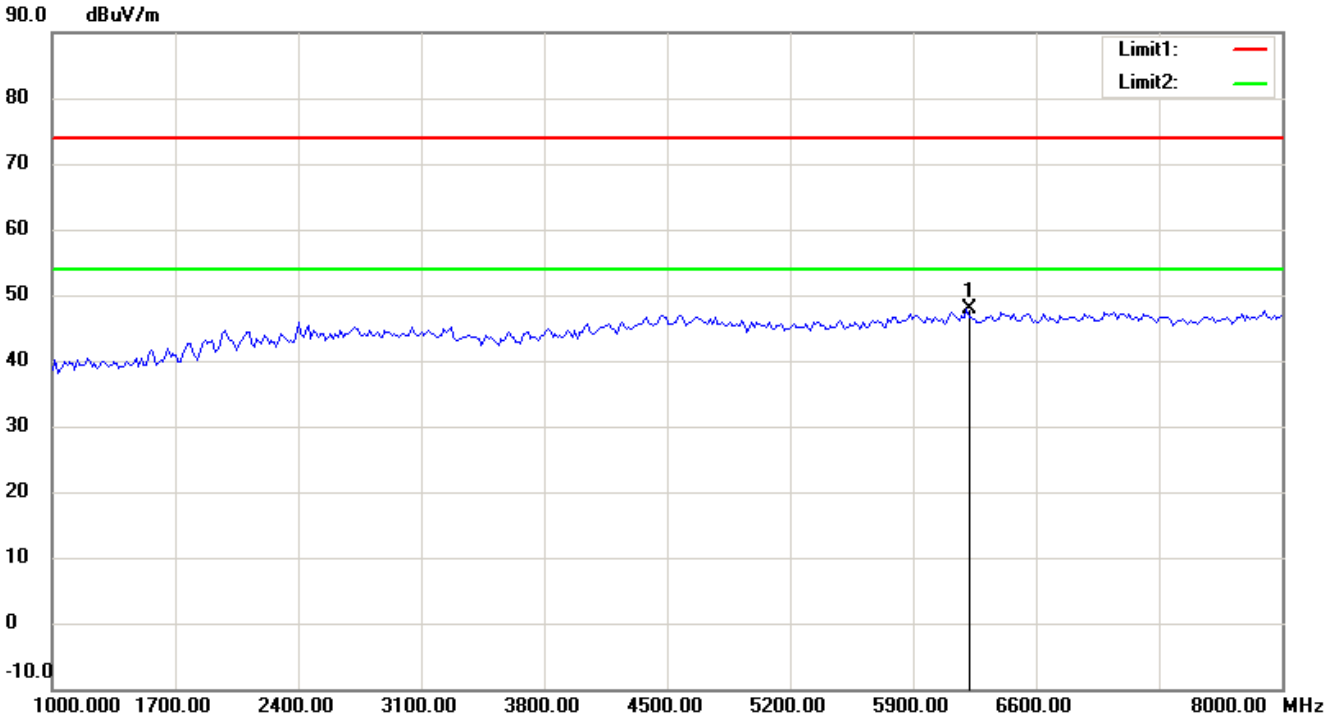
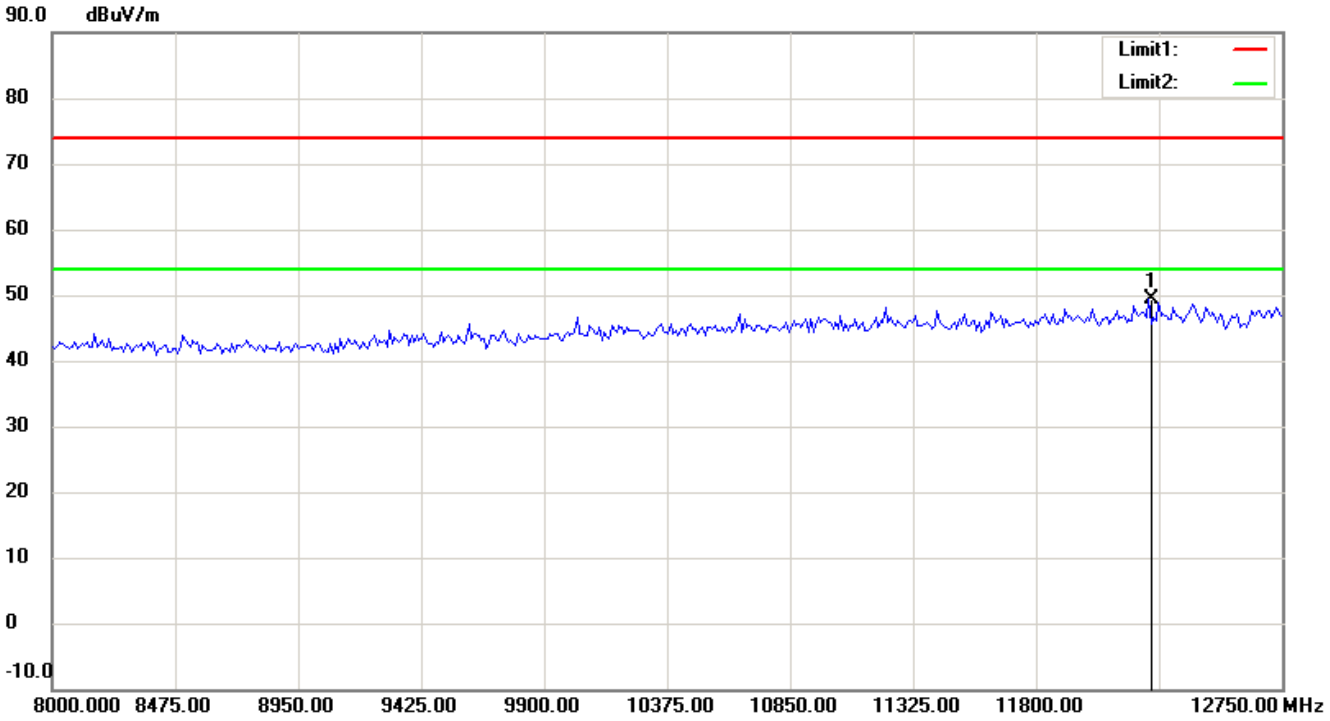
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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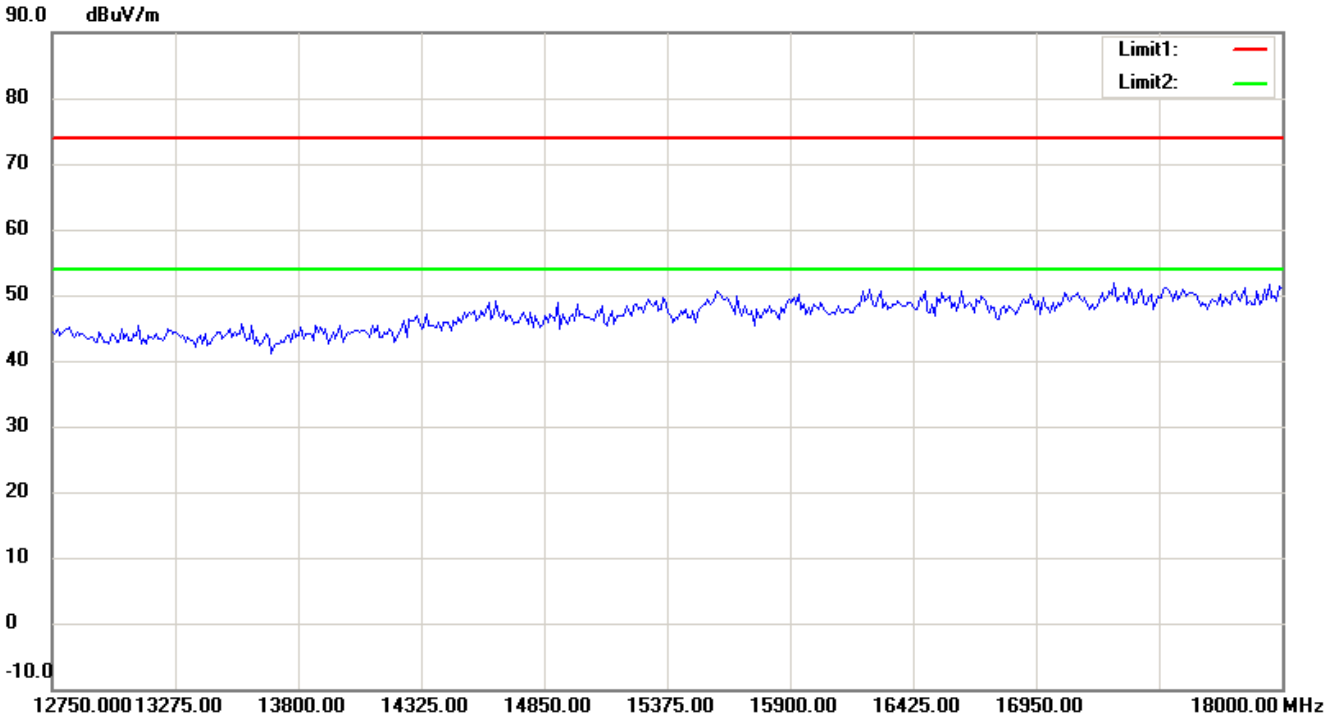
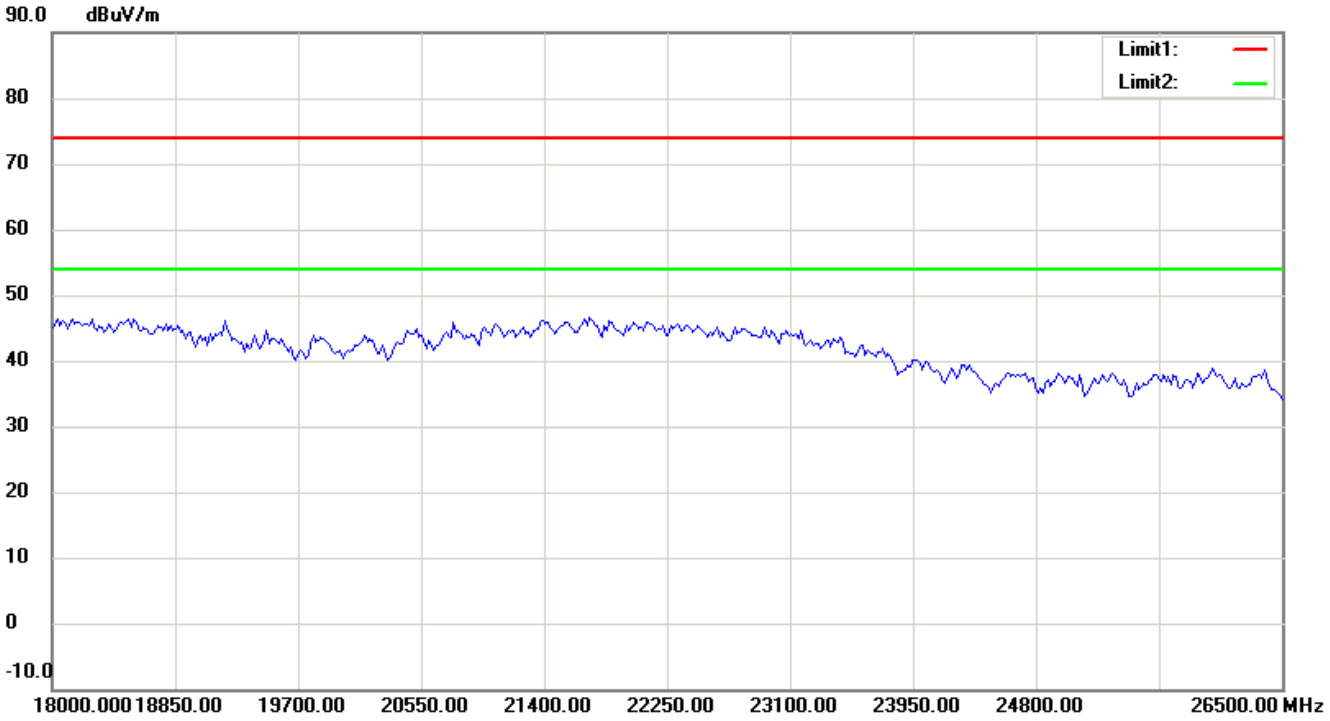
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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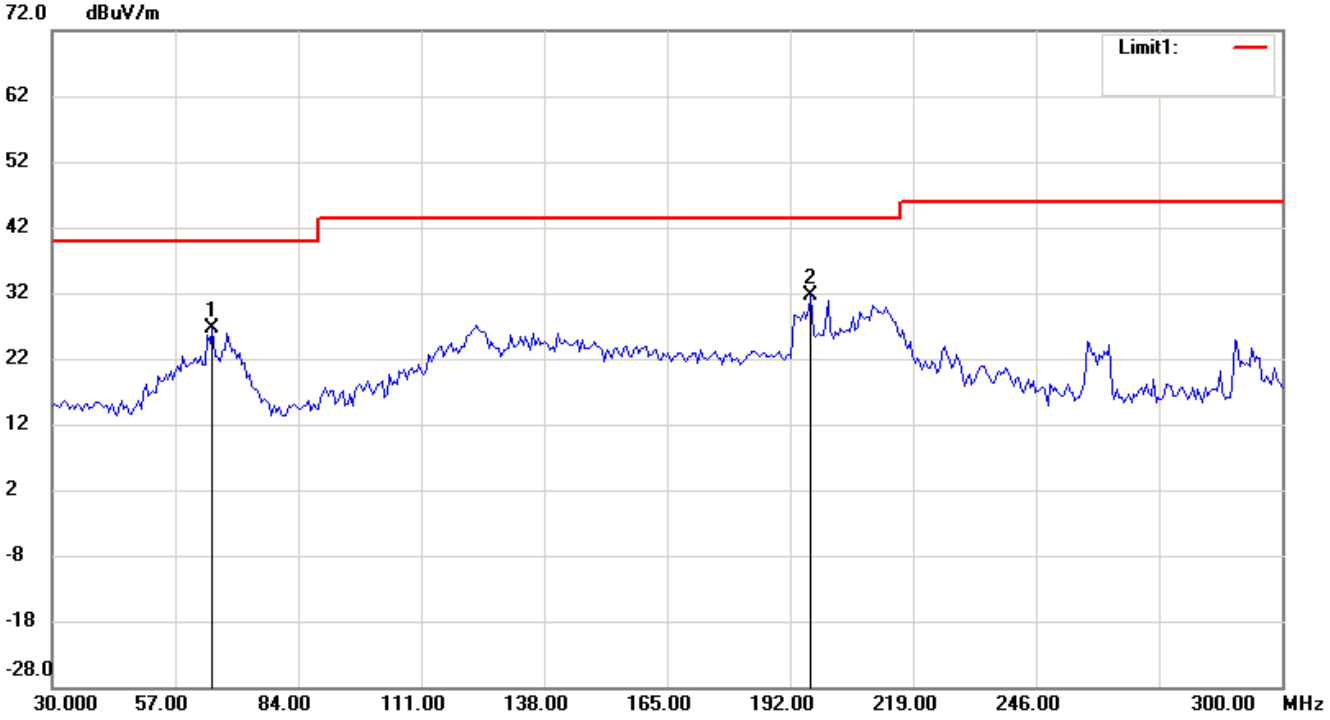
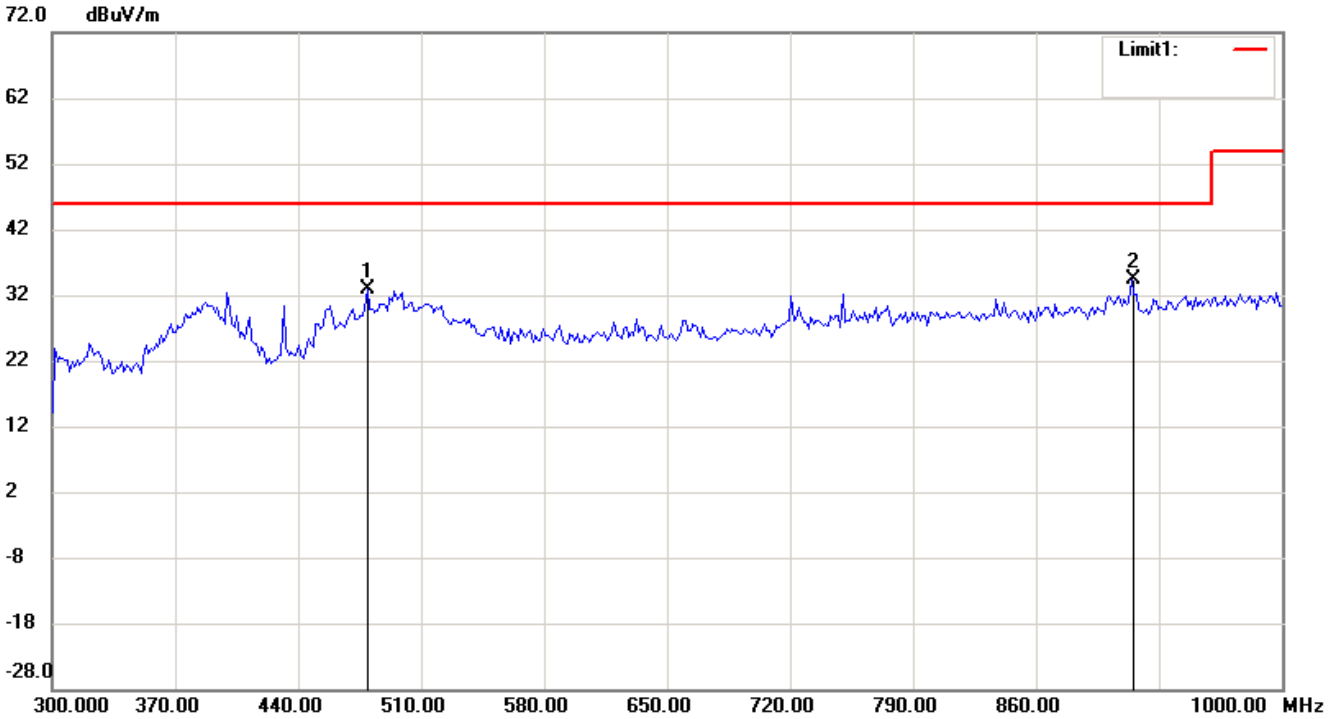
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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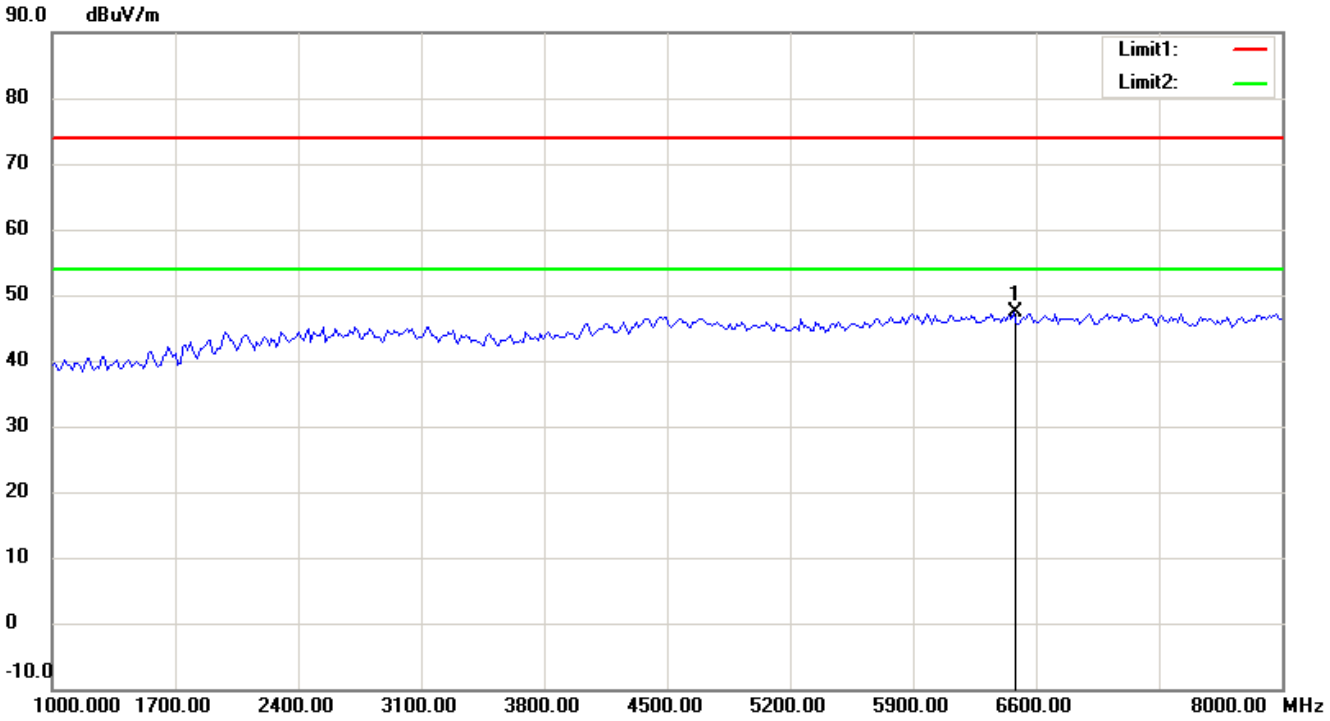
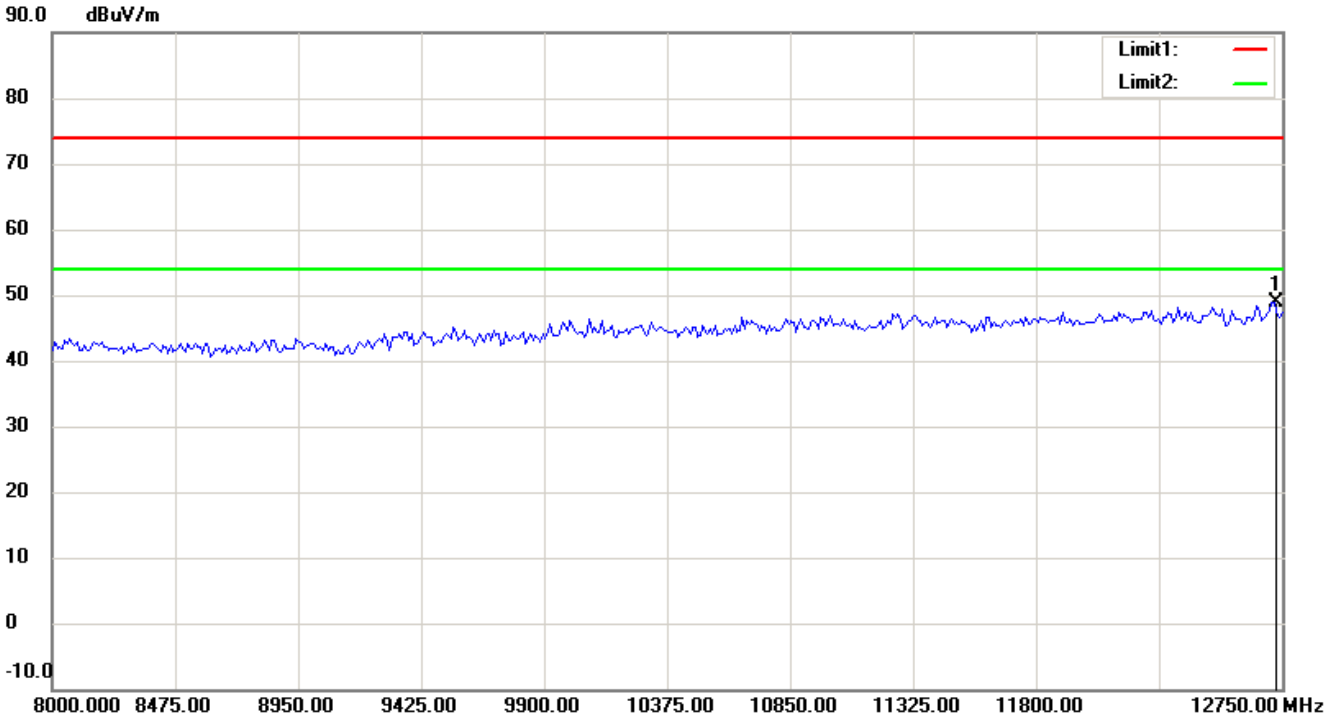
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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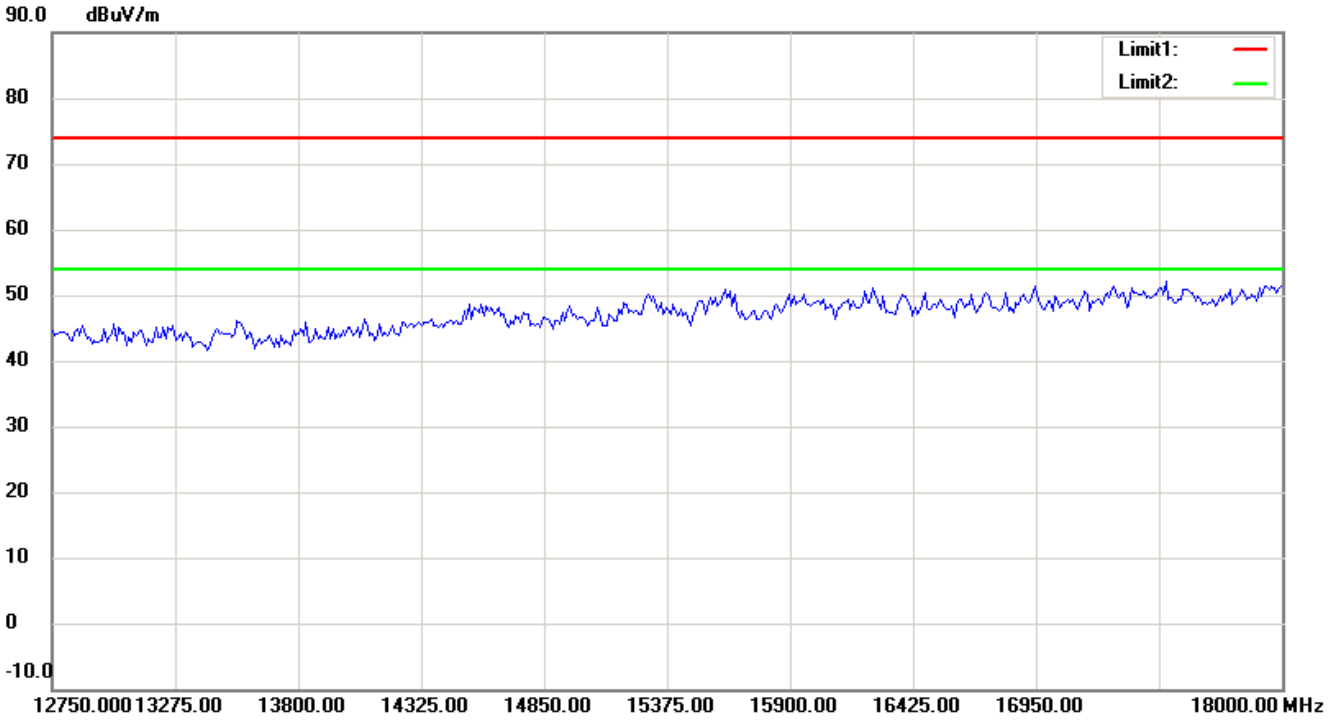
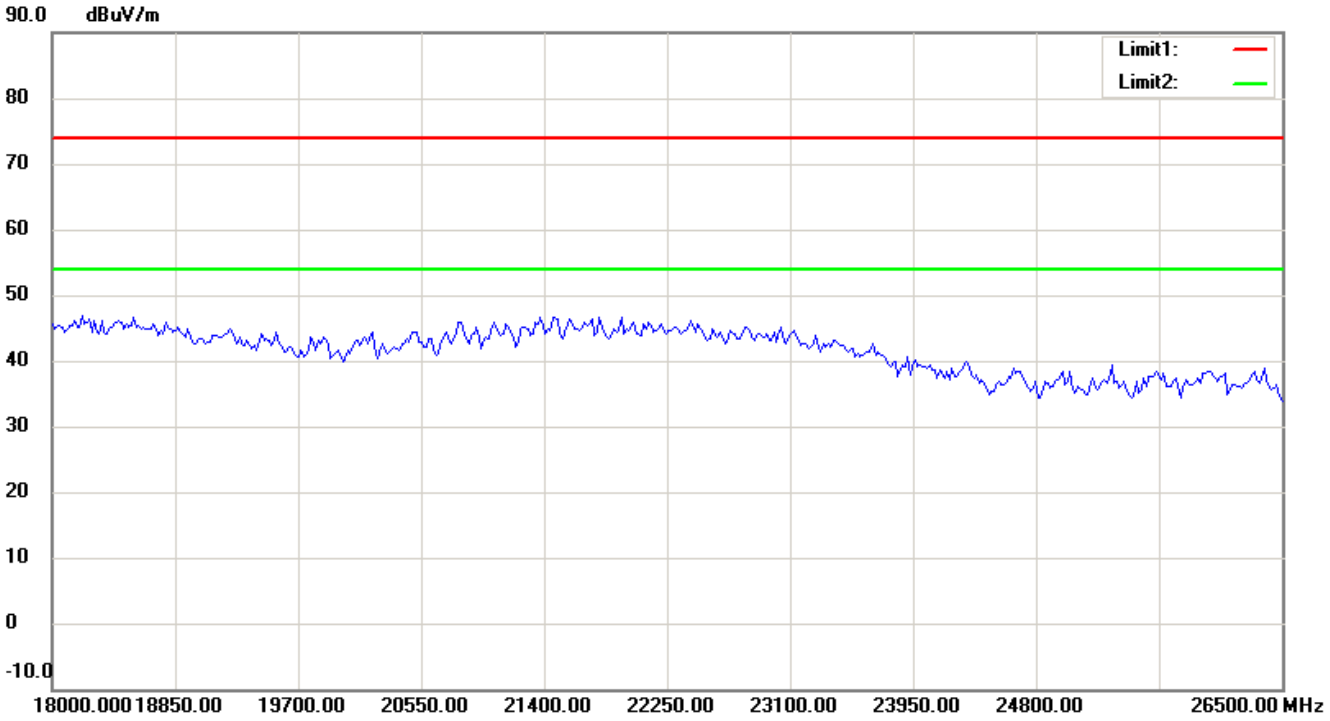
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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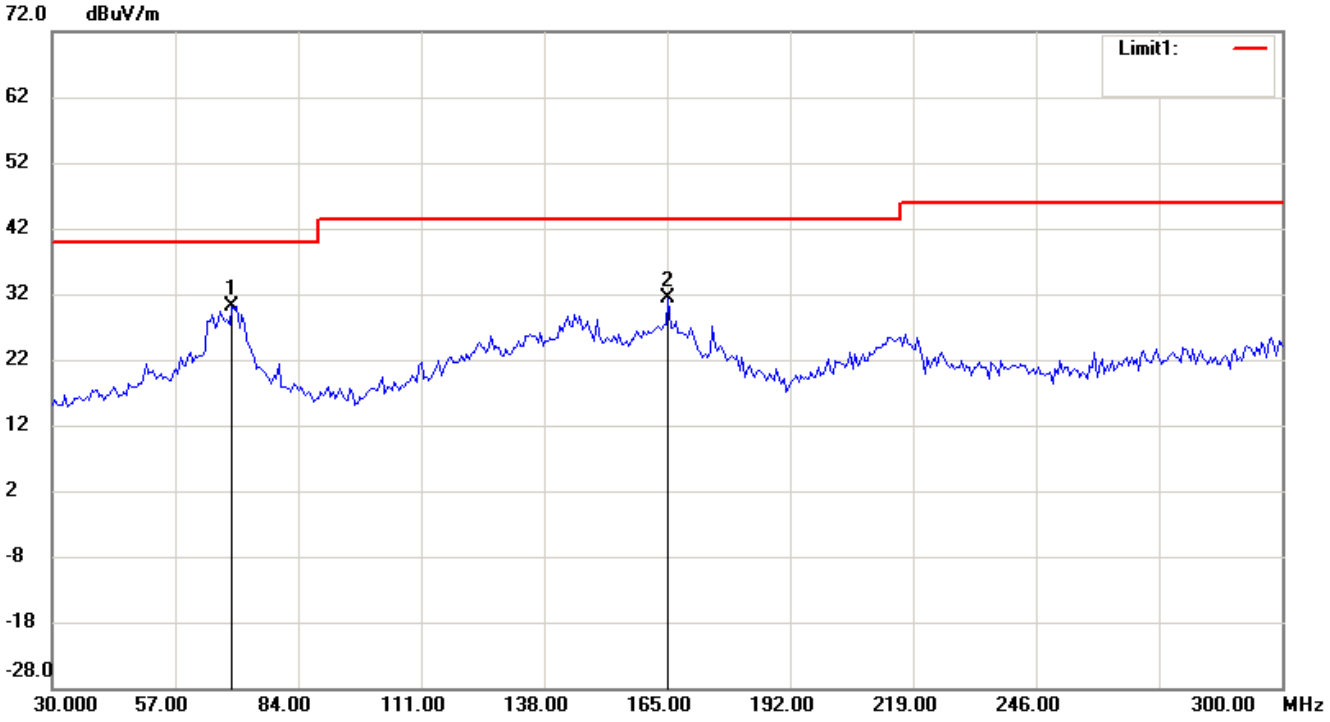
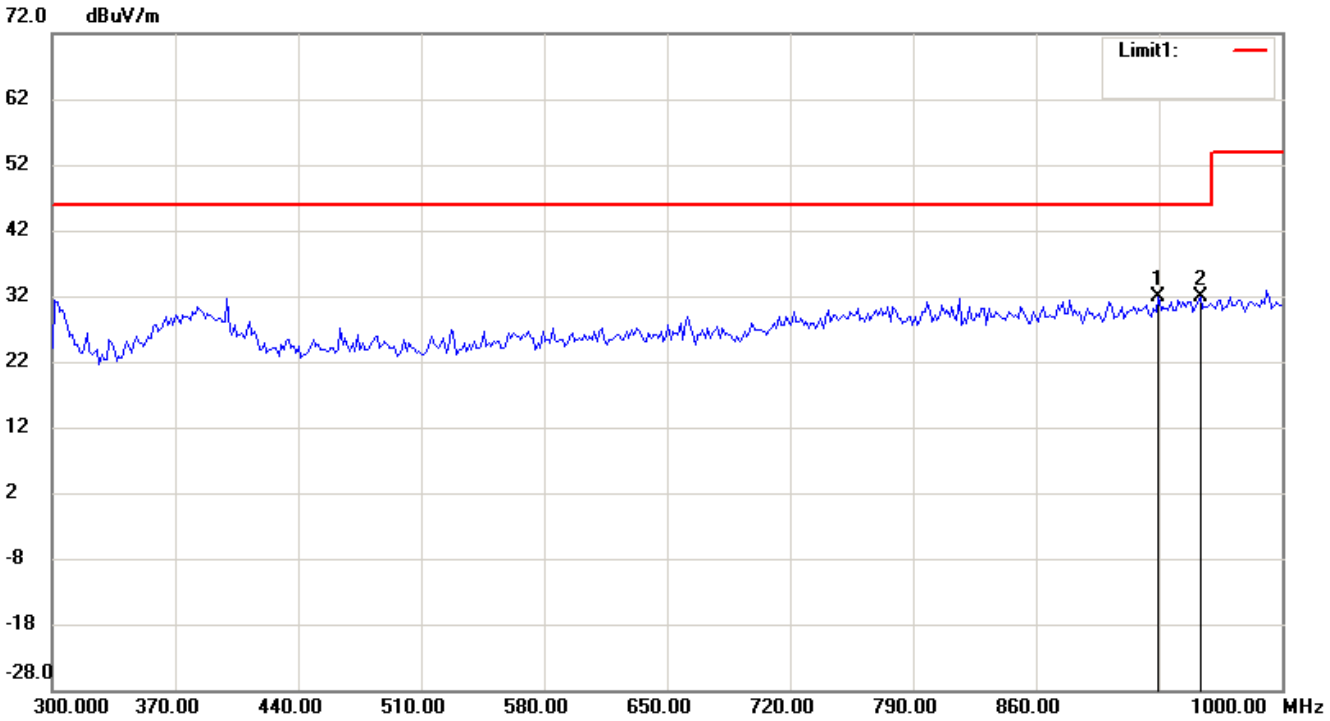
Channel 4
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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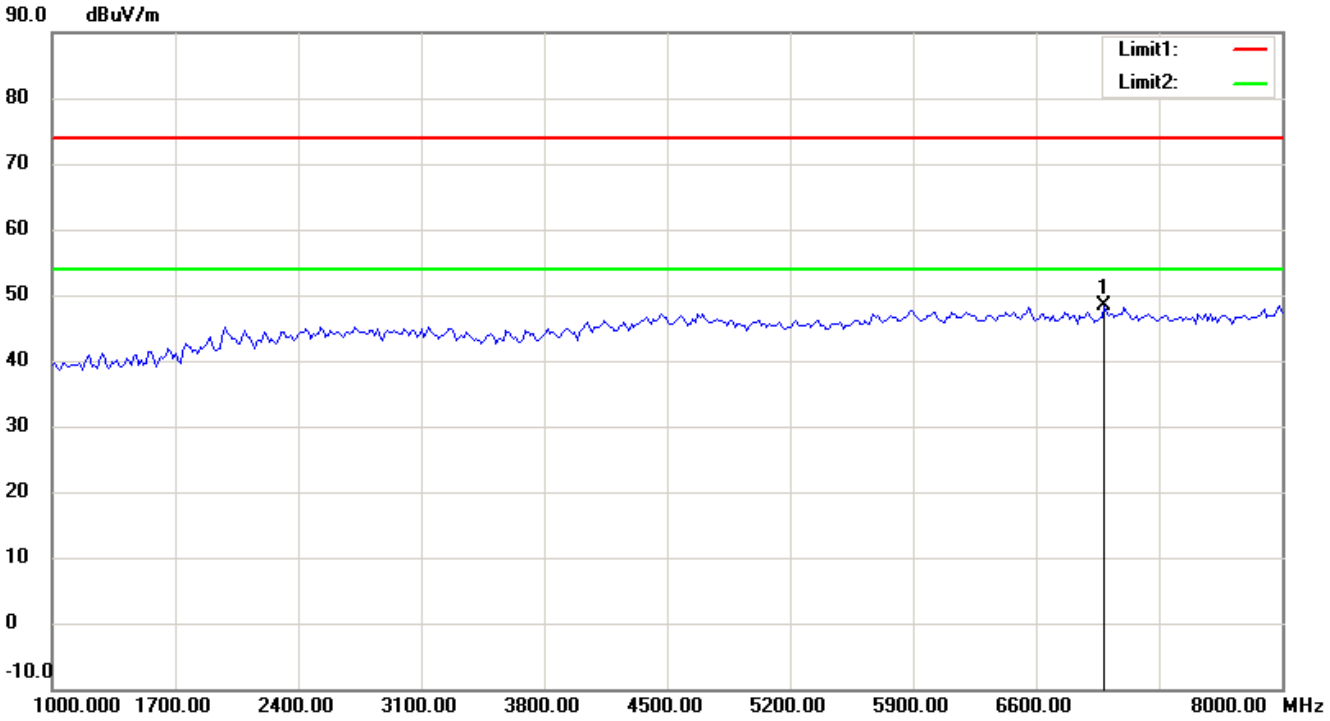
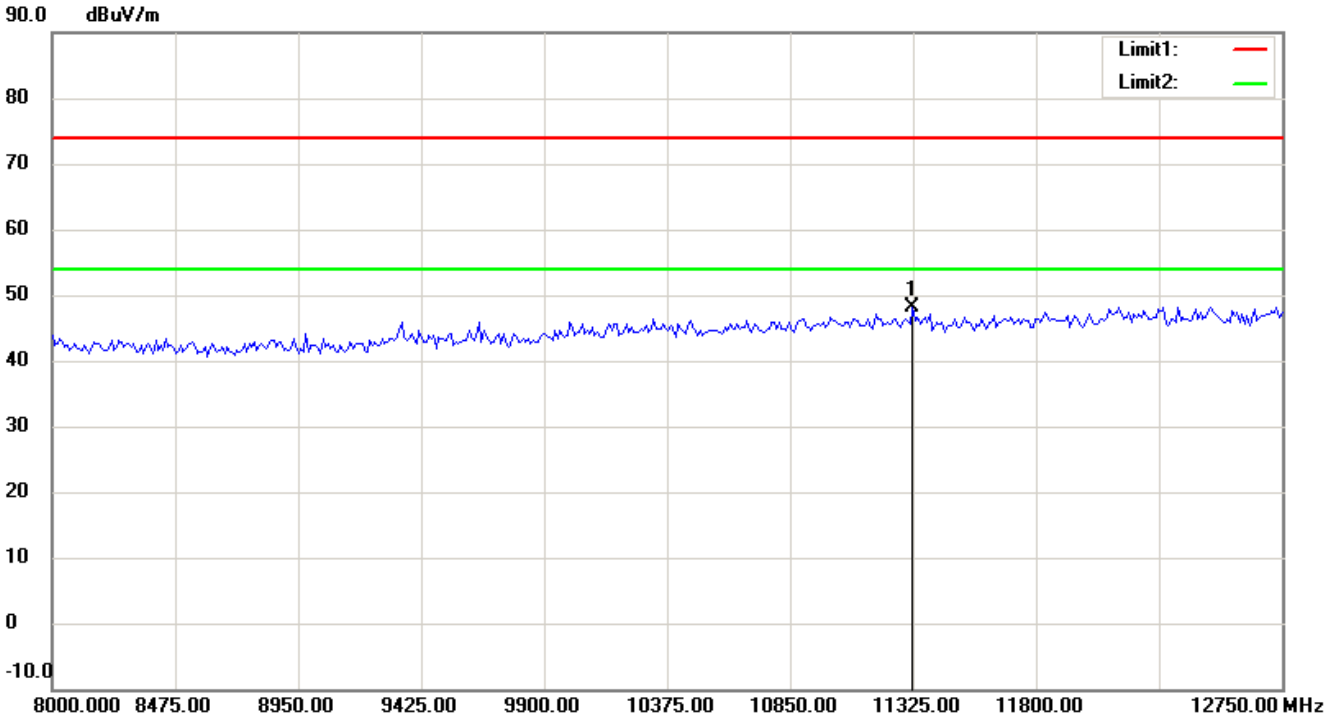
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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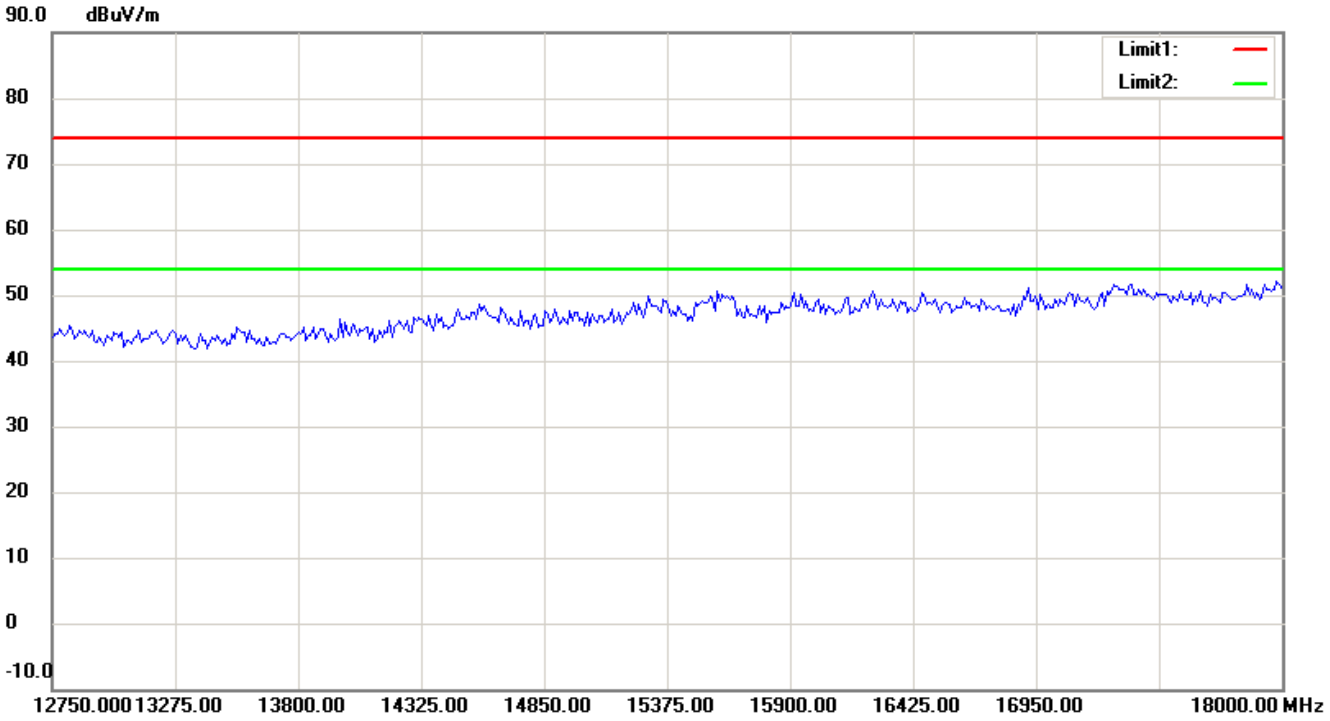
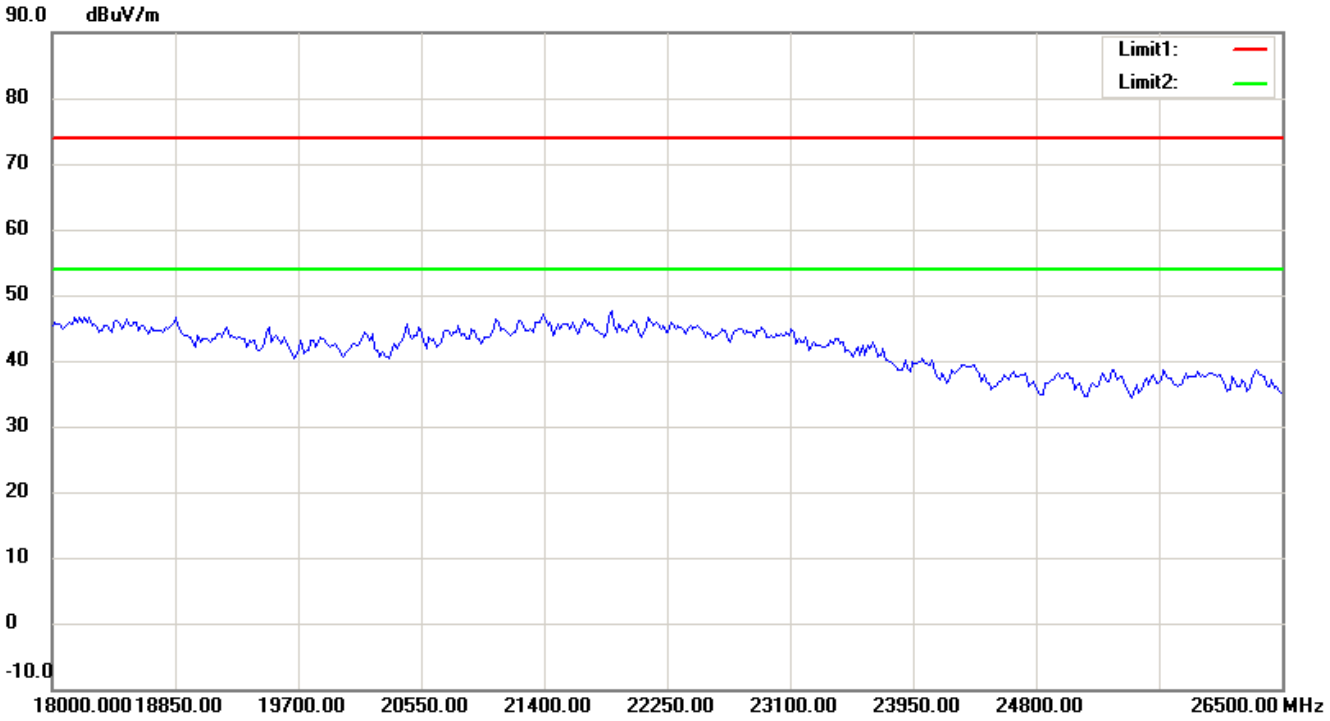
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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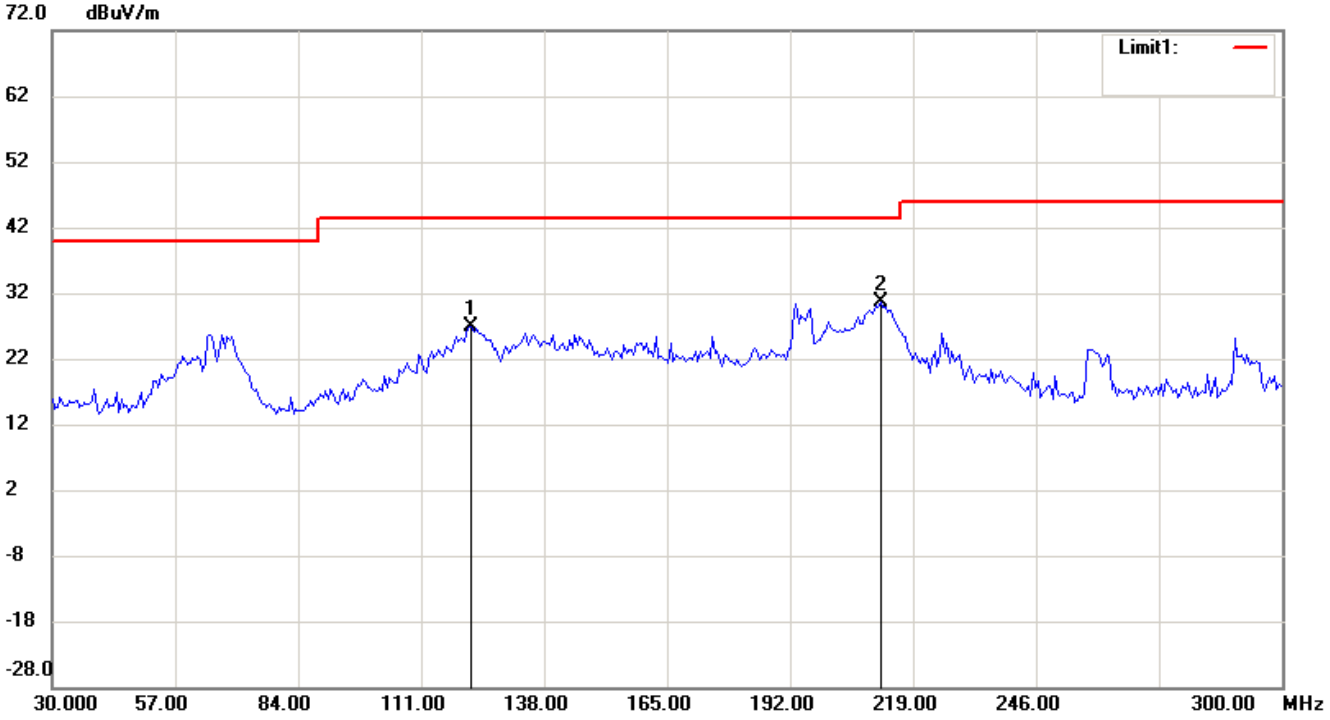
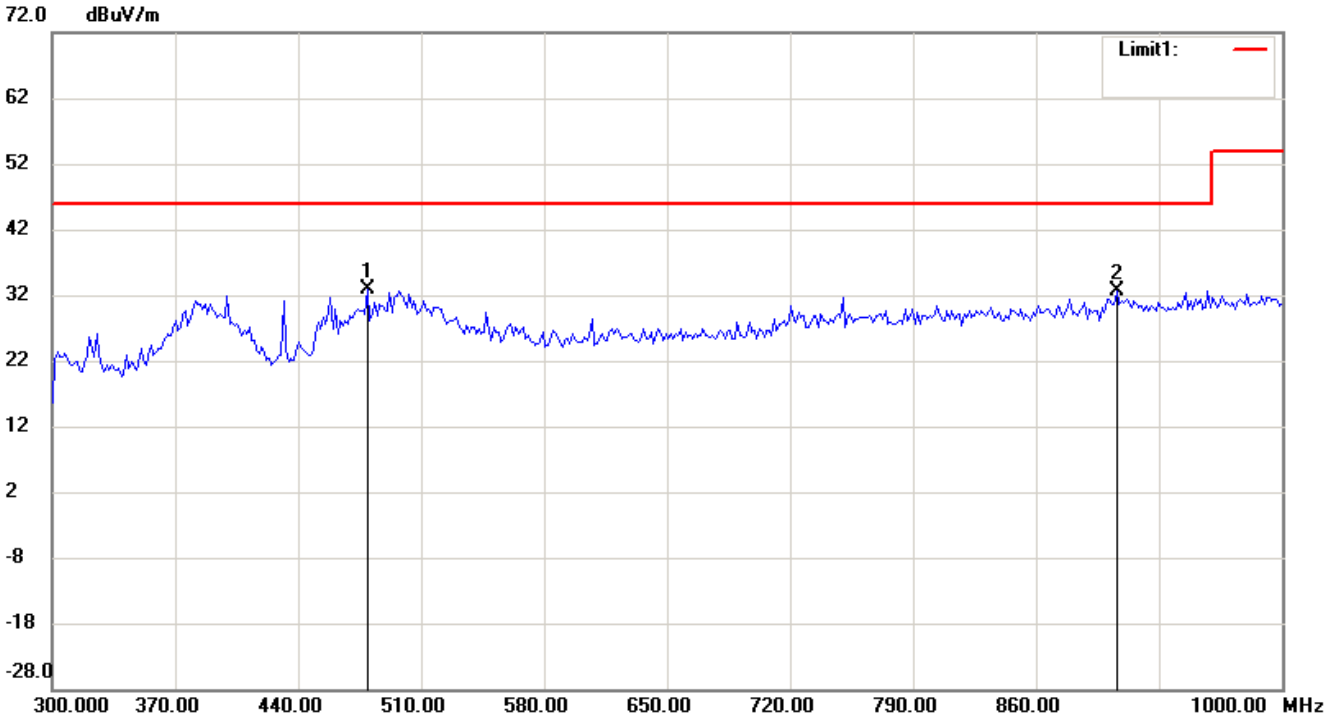
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Antenna Polarization V





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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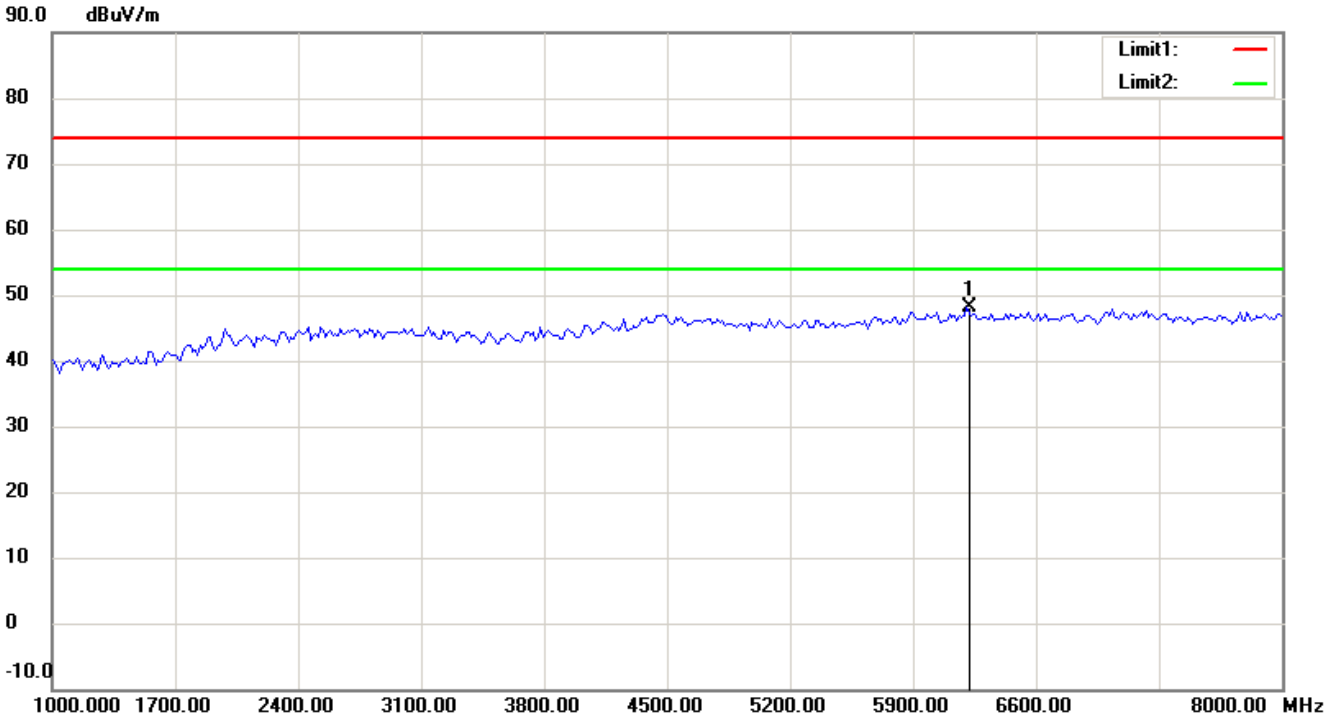
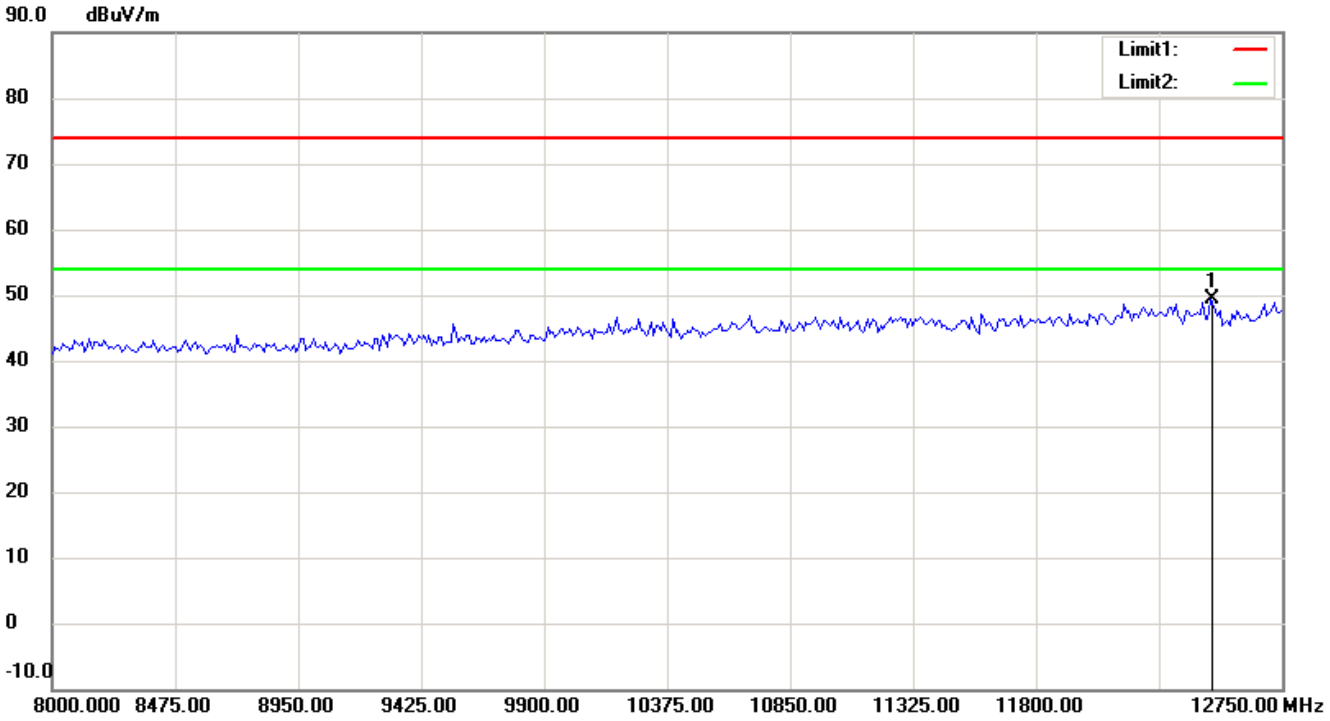
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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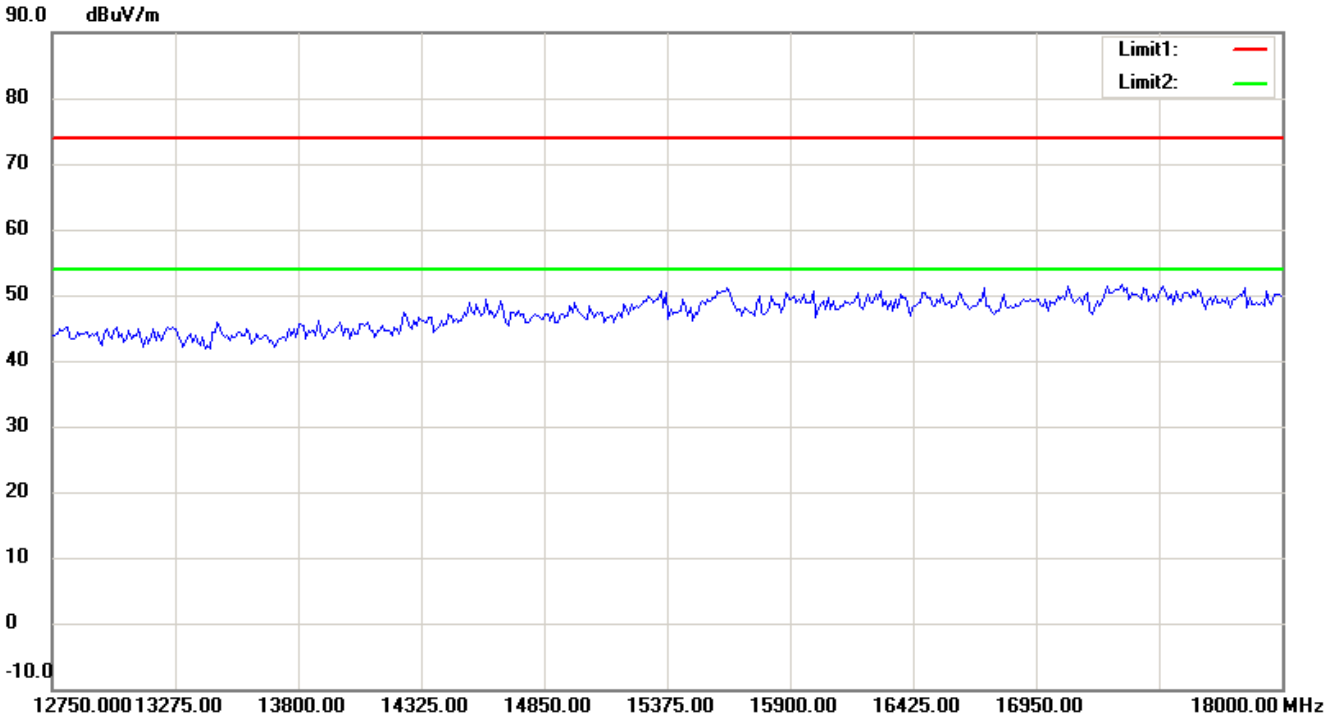
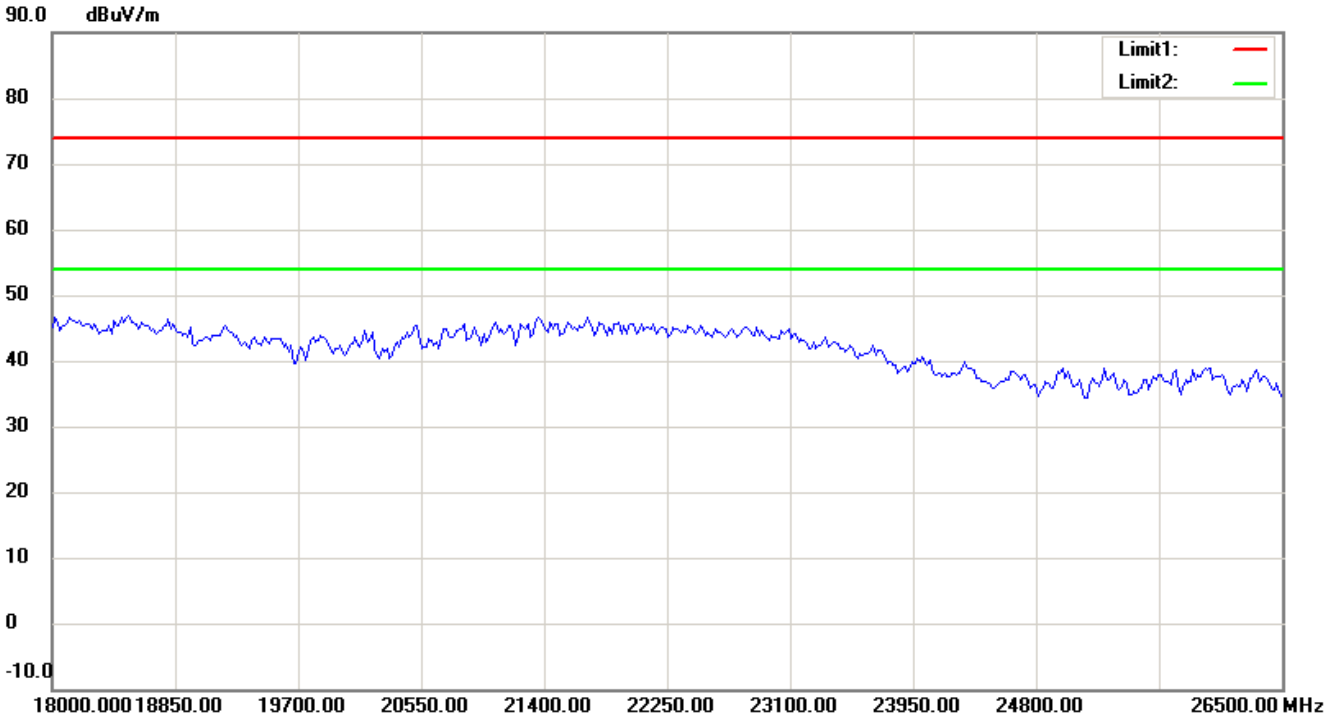
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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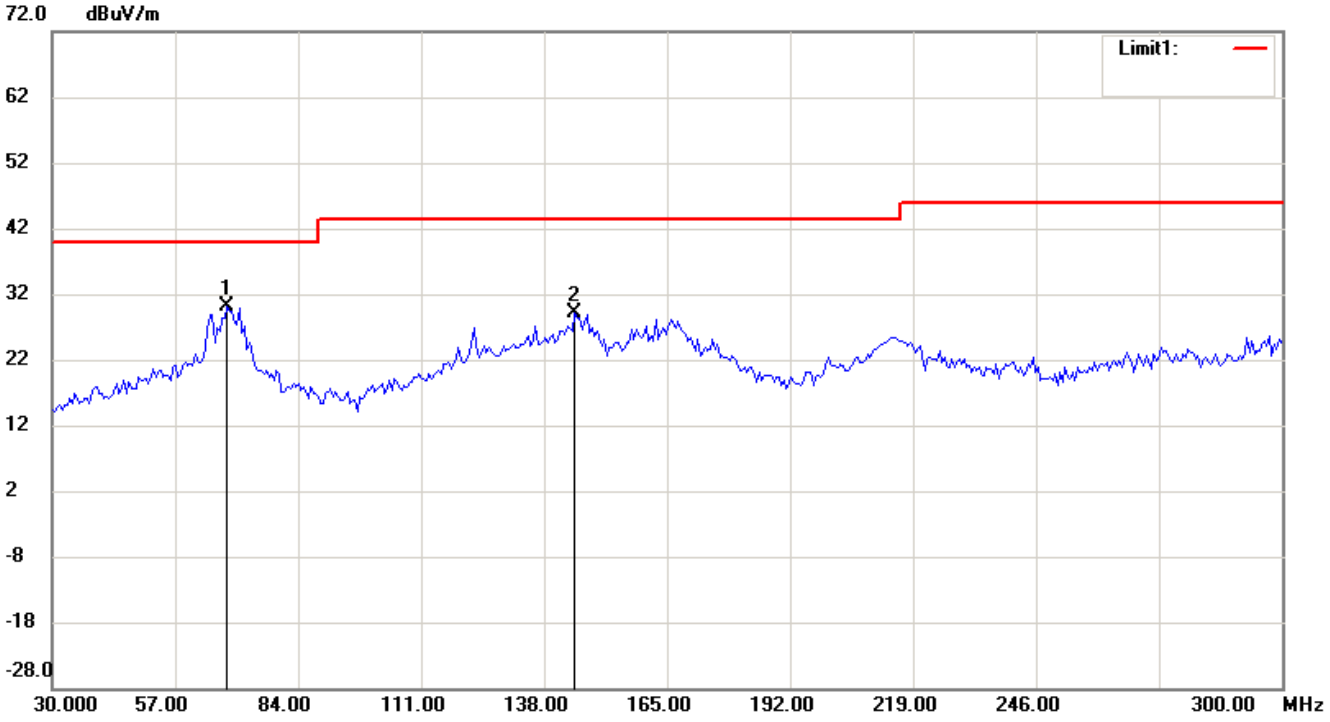
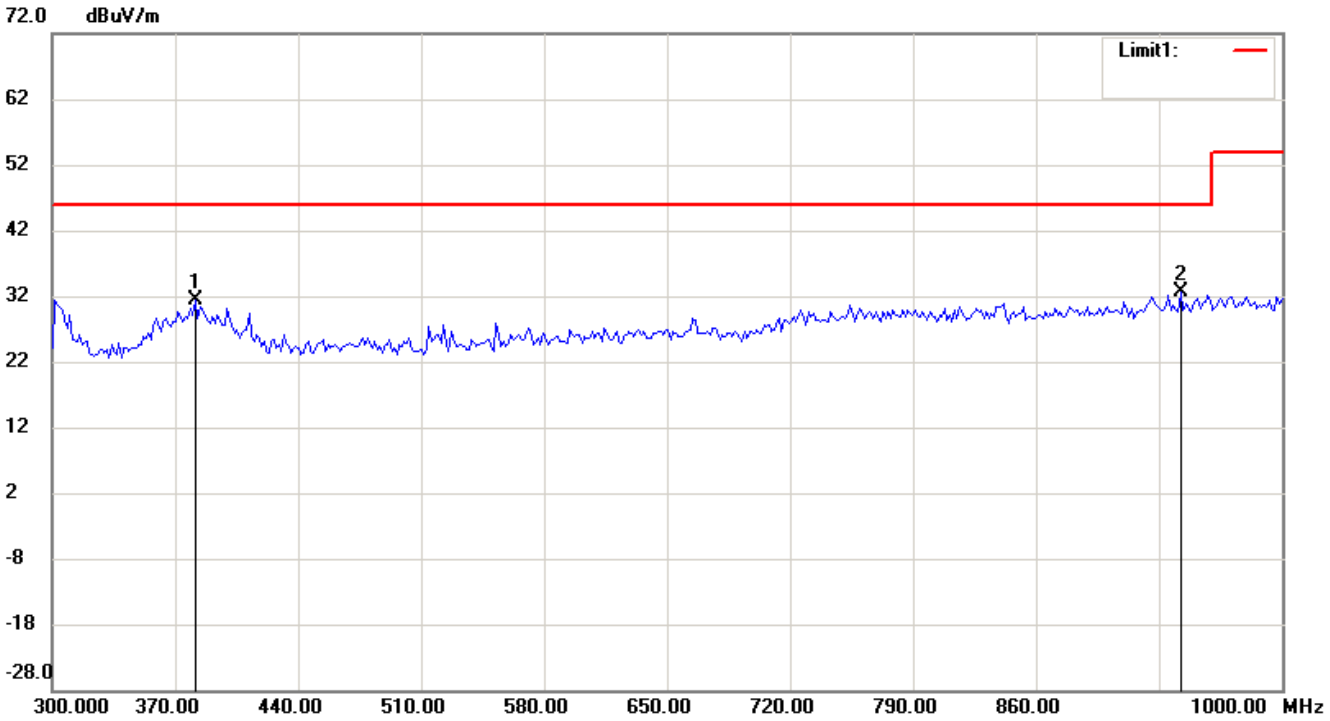
Channel 7
Antenna Polarization H





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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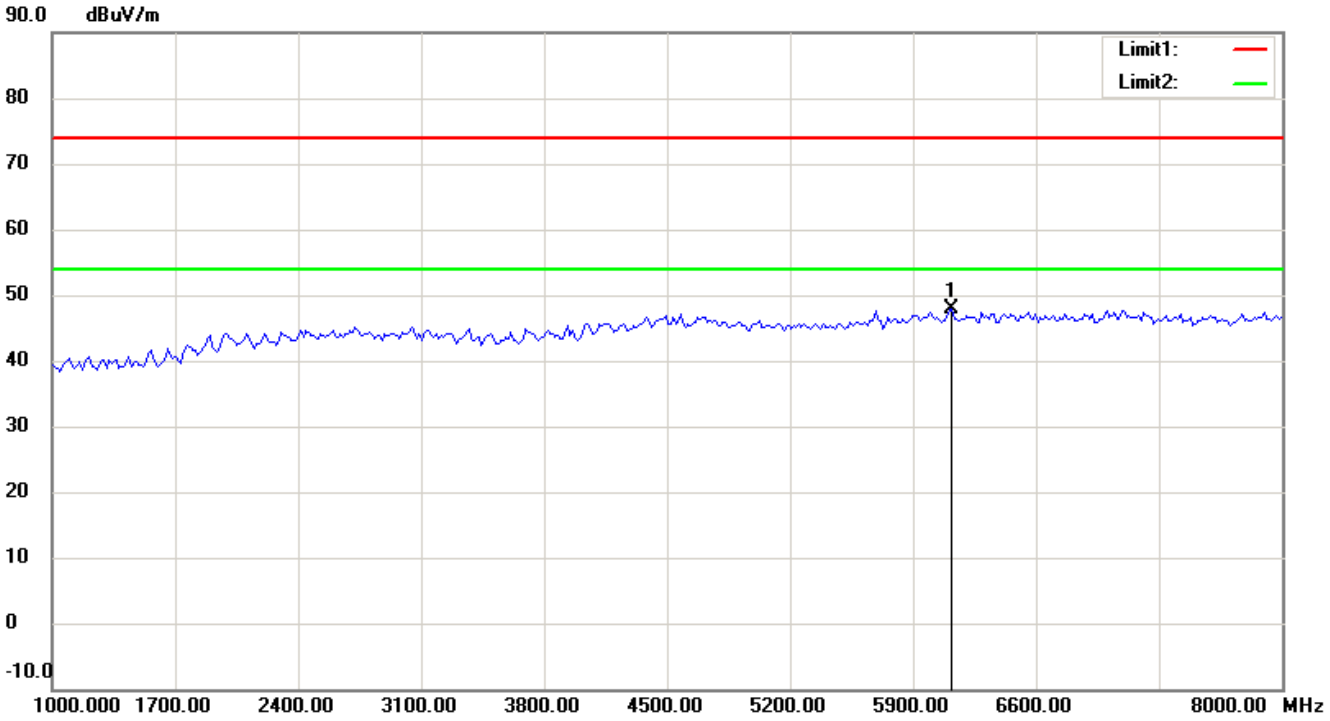
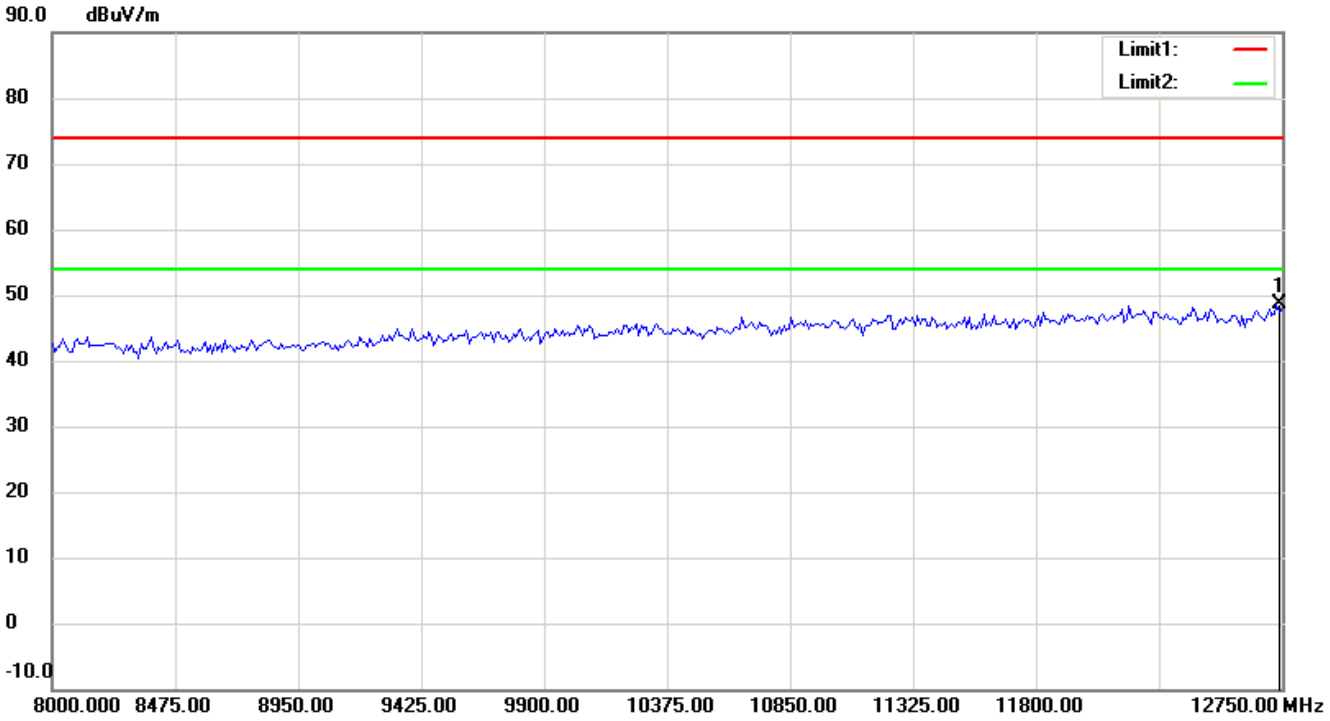
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
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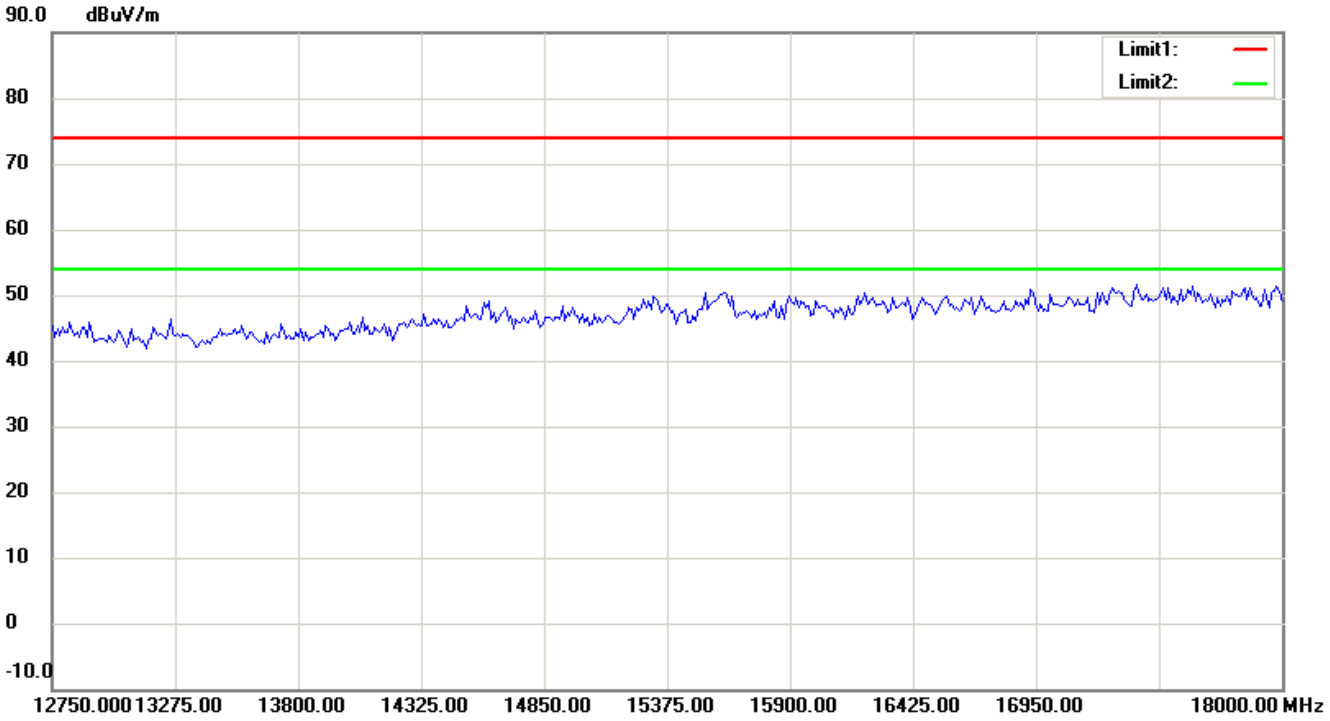
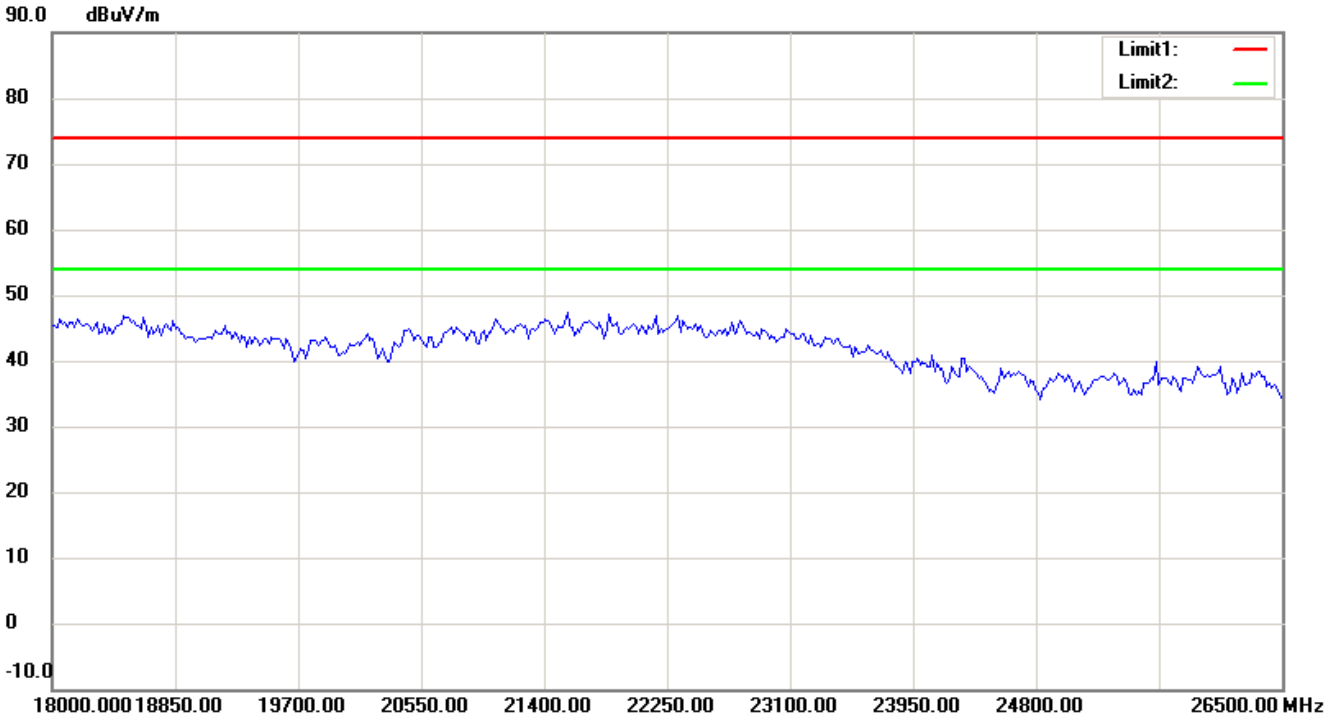
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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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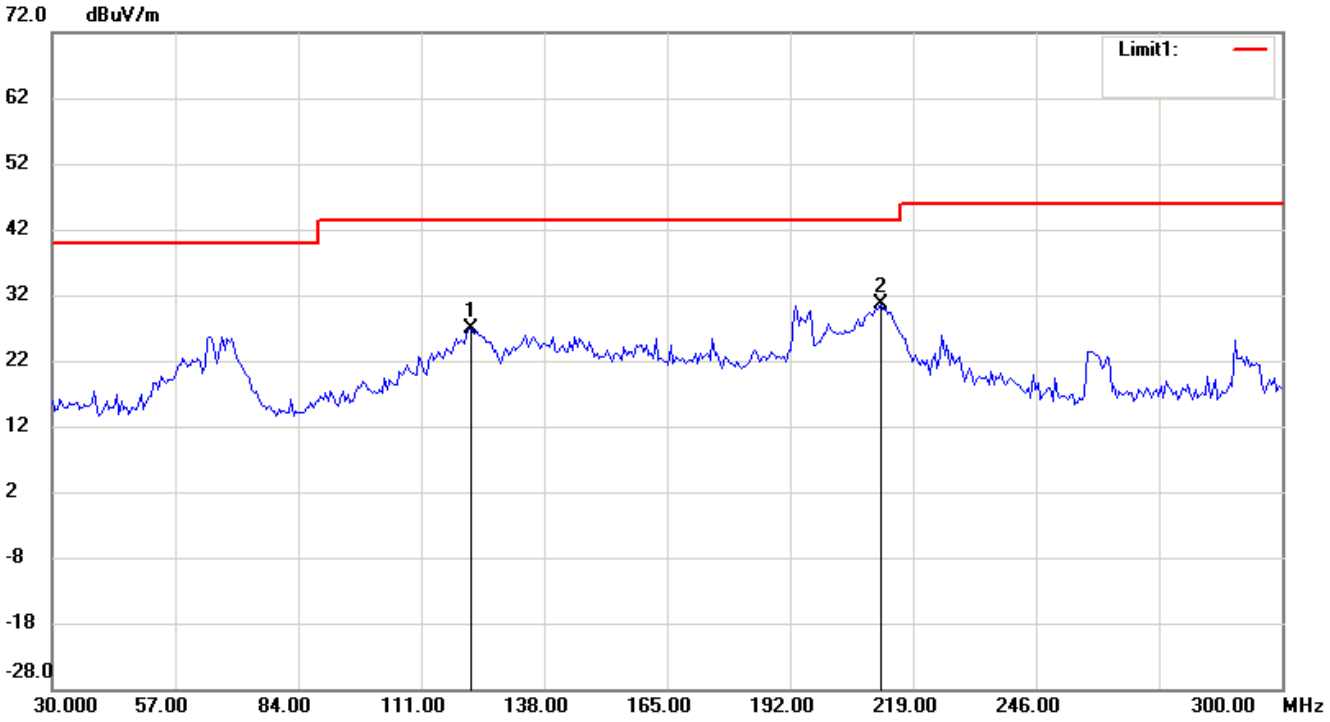
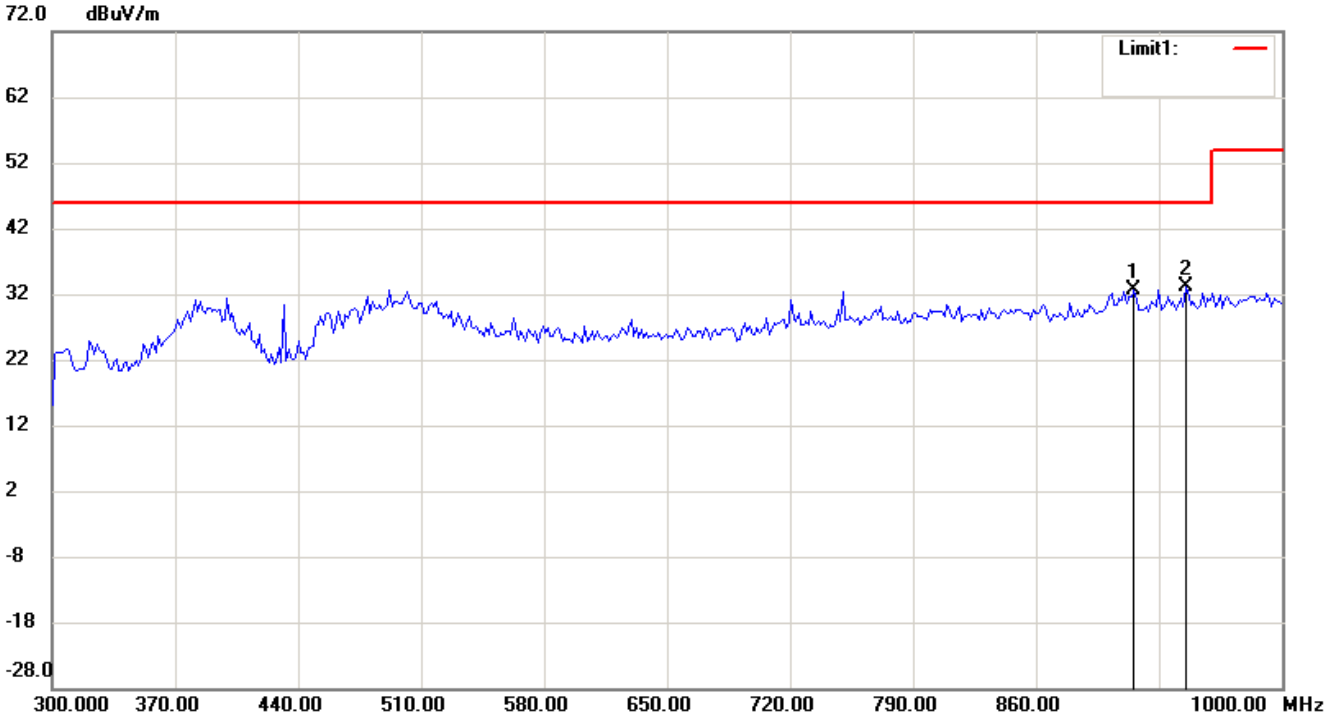
3 For corrected test results are listed in the relevant table of radiated test data of this test report.

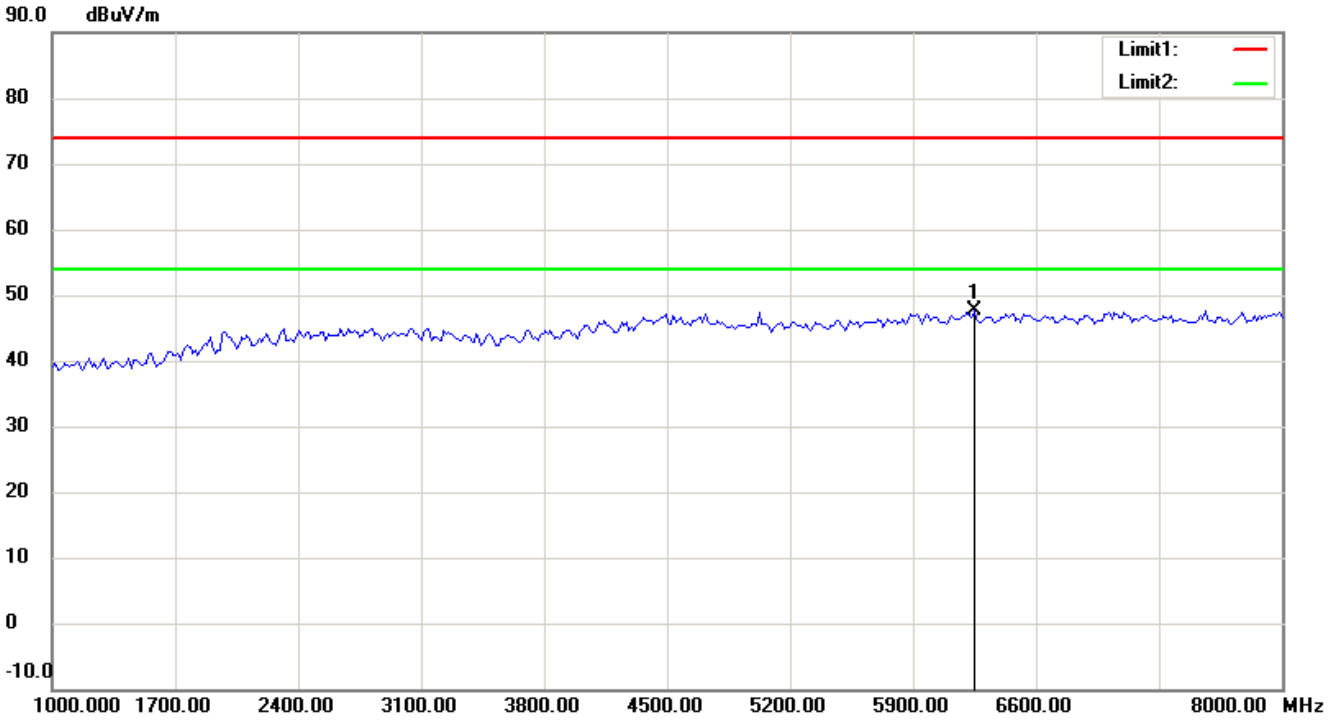
Antenna Polarization V

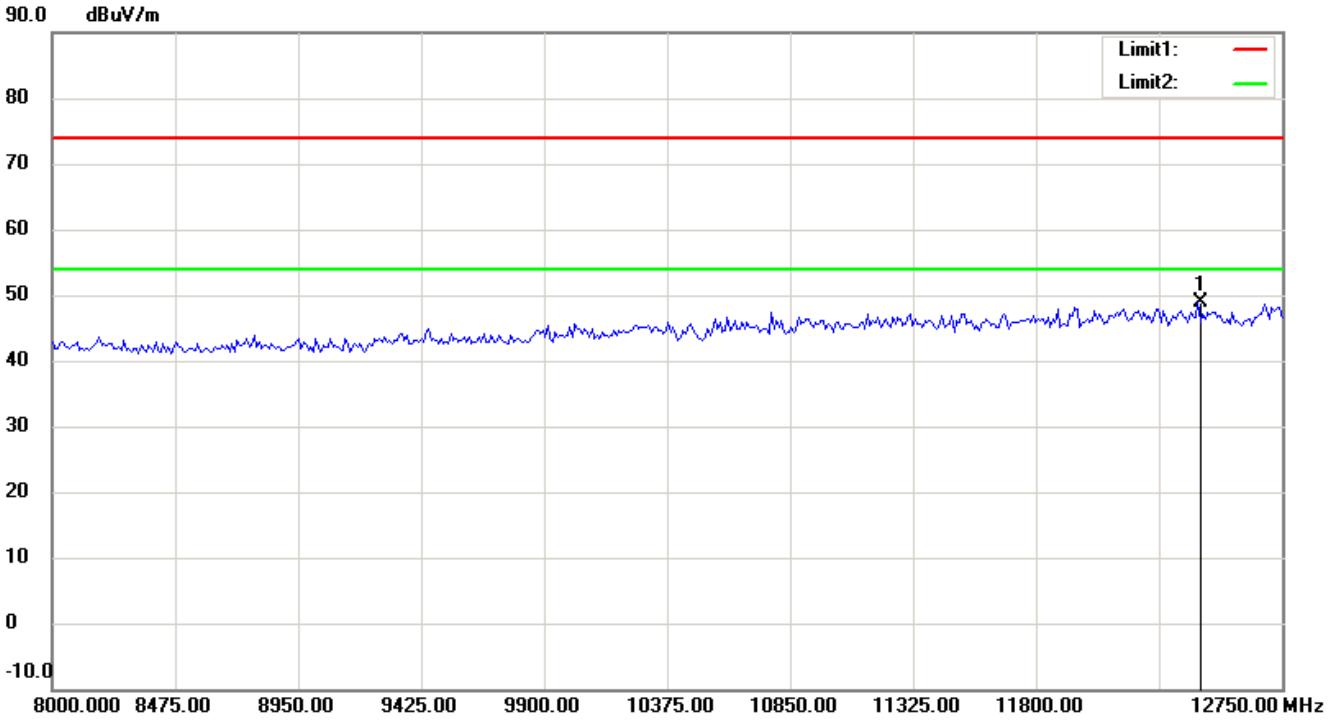




Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
1 The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2 The some frequencies may exceed the limit line without the specified detectors, but 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: W6D21105-11474-C-1
FCC ID: ODMWN370USB





Note:
Up Line: Peak Limit Line, Down Line: Ave Limit Line
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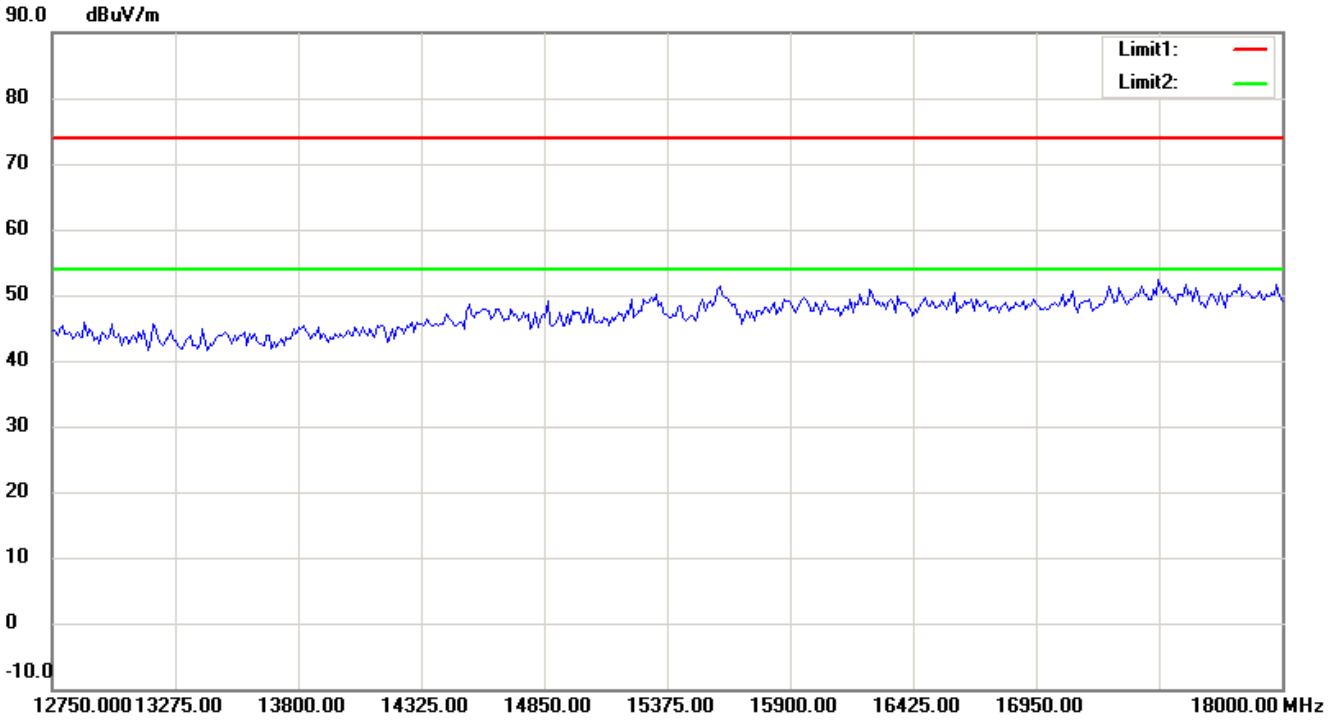
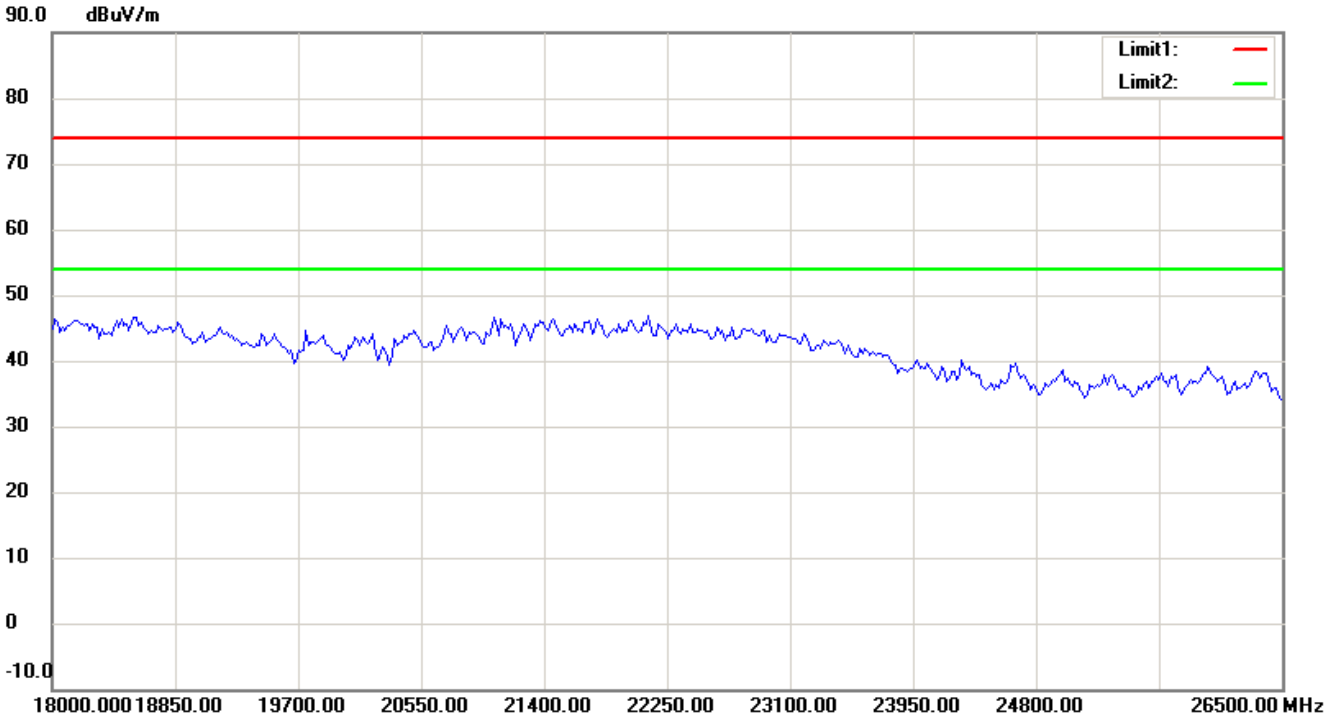
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB





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

External Photos


Air Live

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB


Air Live
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Air Live

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB


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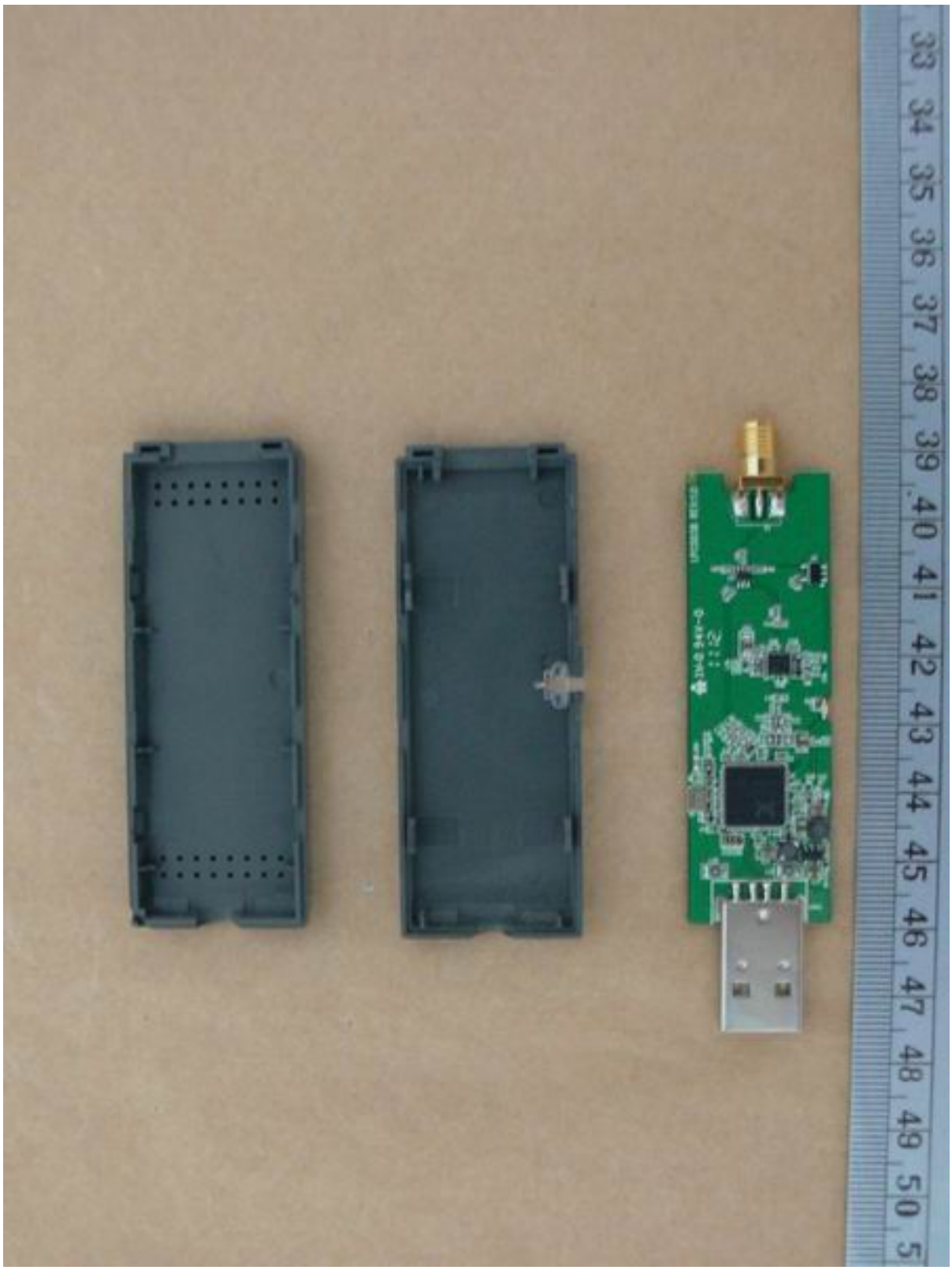
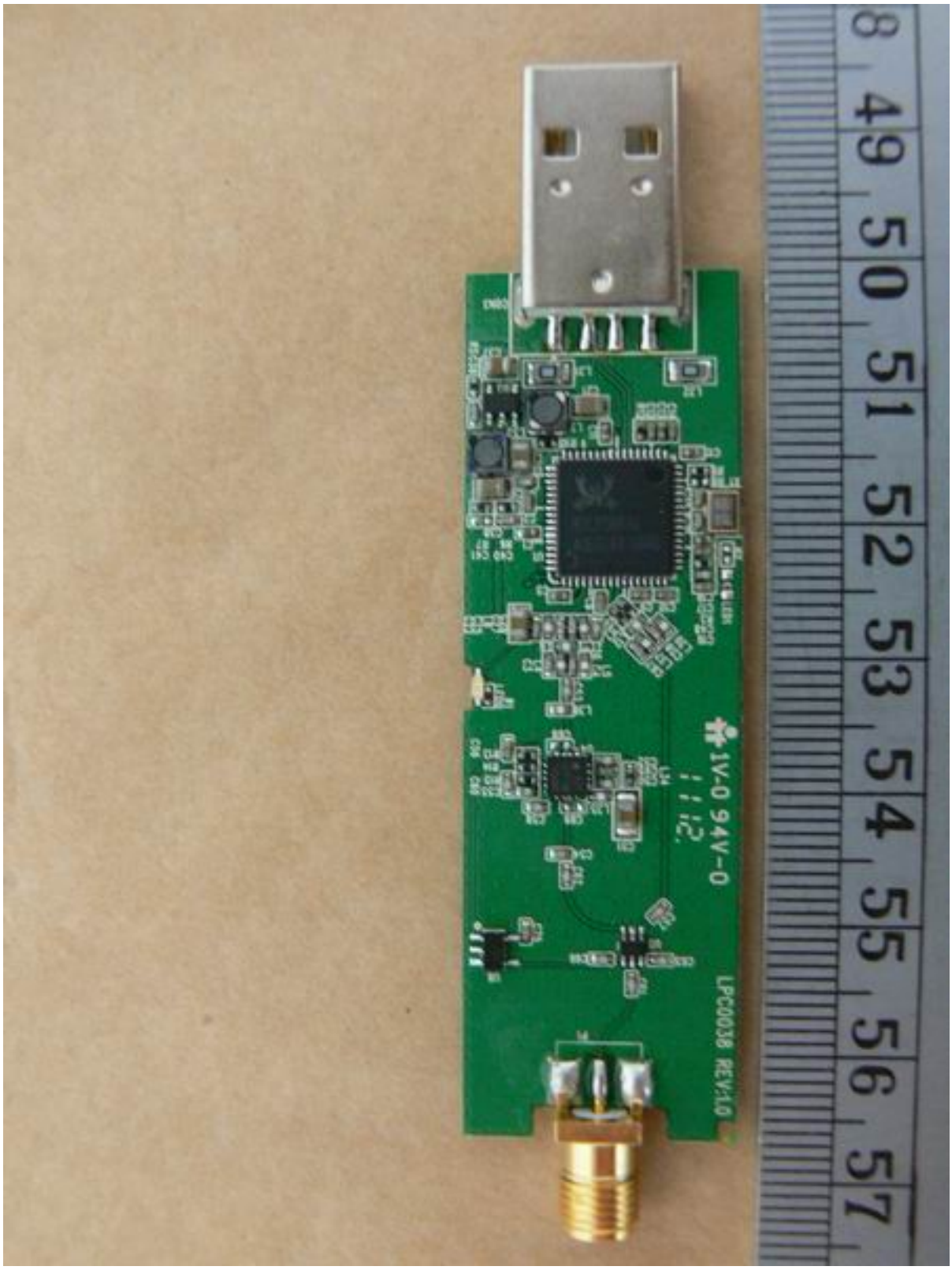
Air Live

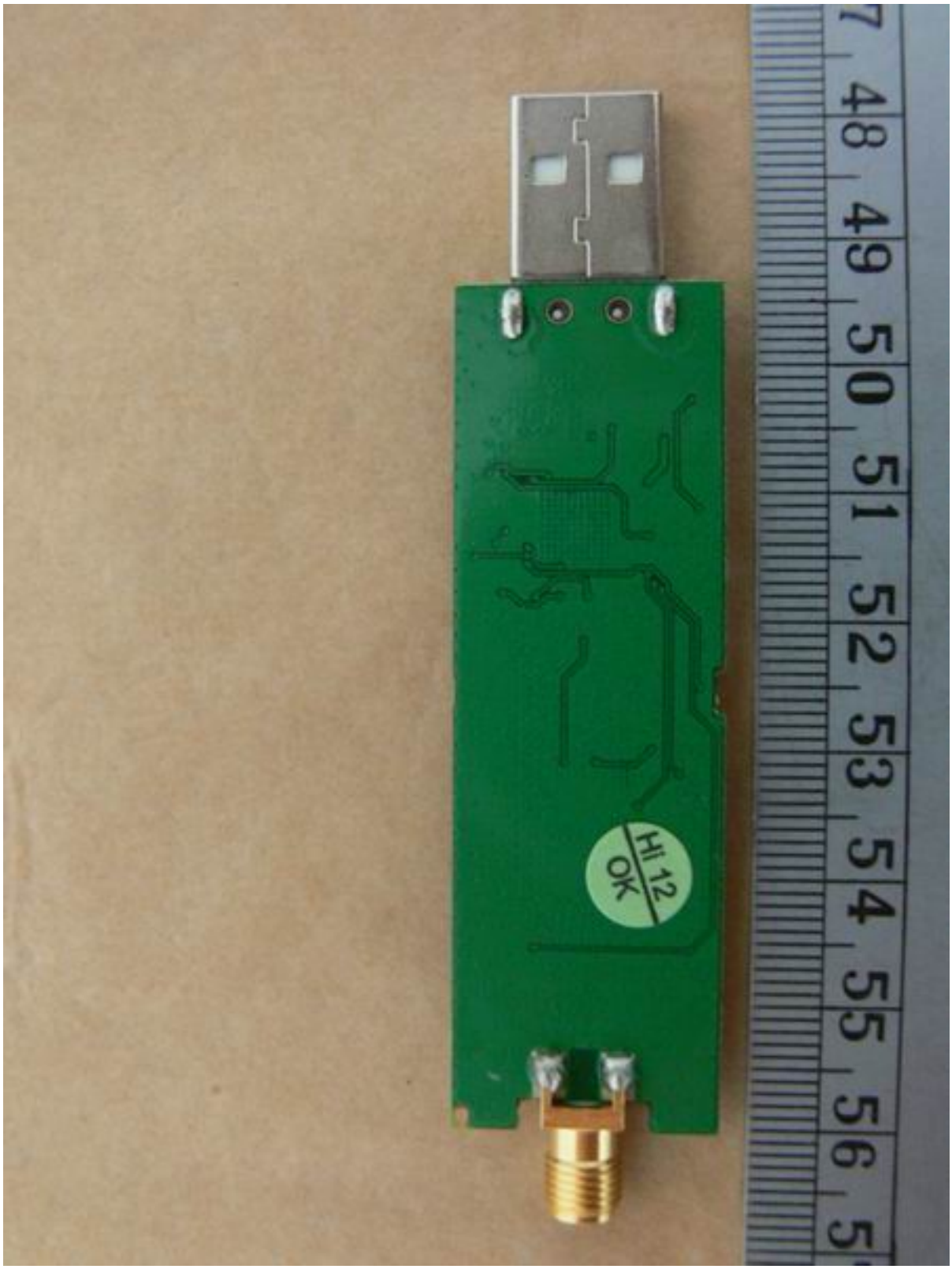
Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Internal Photos




1V-0 94V-0
LPC0038 REV:1.0

Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB



Registration number: W6D21105-11474-C-1
FCC ID: ODMWN370USB

Set Up Photo of Radiated Emission

EMI

Below 1GHz

Above 1GHz

RF

Set Up Photo of Conducted Emission