



ETS Dr.GenZ Taiwan PS Co., Ltd.

FCC Registration No.: 930600

Industry Canada filed test laboratory Reg. No. IC 5679

Accredited Testing Laboratory



A2LA Cert.No.: 2300.01

PTCRB Accredited Type Certification Test House

FCC

TEST - REPORT

FCC Part 15 C for IEEE 802.11 g device

FCC ID: TER-MULTIAP-700G

Test report no.: W6M20601-6544-C-2

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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 its 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 ETS DR. GENZ TAIWAN PS 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 g.

This report is related to FCC Part 15 C (OFDM device).

Tester:

08.03.2006

Orville Chang



Date

ETS-Lab.

Name

Signature

Technical responsibility for area of testing:

08.03.2006

Steven Chung

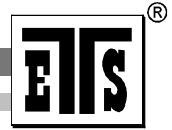


Date

ETS

Name

Signature



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1.2 Testing laboratory

1.2.1 Location

ETS
N5-1, Shuang Sing Village,
LiShuei Rd., Wanli Township,
Taipei County 207, Taiwan (R.O.C.)

Company
ETS Dr.Genx Taiwan PS Co., Ltd.
6F, N58, LAN 188, RUEXIAN RD.
NIHU, 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-registration number: 2300.01

FCC filed test laboratory Reg. No. 930600

Industry Canada filed test laboratory Reg. No. IC 5679

PTCRB Accredited Type Certification Test House

1.3 Details of approval holder

Name	: ValuePoint Networks, Inc.
Street	: 350 Townsend Street, Suite 320 San Francisco
Town	: CA 94107
Country	: USA
Telephone	: 886-2-7708-1188
Fax	: 886-2-8698-2019
Contact	: Mr. Allen Chou
Telephone	: 886-2-7708-1188

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1.4 Application details

Date of receipt of application : 20.01.2006
Date of receipt of test item : 17.02.2006
Date of test : from 18.02.2006 to 07.03.2006

1.5 General information of Test item

Type of test item : Wireless Access Point
Model Number : MultiAP 700g
Brand Name : ValuePoint

Hardware : 2.4
Software : 2.1.2
Serial number : without
Photos : see Annex

Technical data

Frequency band : 2.4 GHz – 2.4835 GHz
Frequency (ch A) : 2.412 GHz
Frequency (ch B) : 2.437 GHz
Frequency (ch C) : 2.462 GHz
Number of Channels : 11
Operation modes : duplex
Modulation Type : DSSS / OFDM

Fixed point-to-point operation: ☐ Yes / ☒ No
Type of Antenna : Dipole Antenna
Antenna gain of Antenna : 2 dBi
Power supply : 120 VAC (power on POE)
Emission designator : 18M2W7D

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Host device: none

Classification :

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

Transmitter

Unom

Power (ch A) : Conducted: 25.02 dBm
Power (ch B) : Conducted: 24.80 dBm
Power (ch C) : Conducted: 24.51 dBm

Manufacturer:
(if applicable)

Name : ./.
Street : ./.
Town : ./.
Country : ./.

Additional information: The sample is using WLAN technology according IEEE 802.11 b/g. For this report the function according IEEE 802.11g is considered only. The scheme for frequency generation, spectrum spreading, receiver parameters, synchronization procedure, and other parameters are determined by the mentioned standard above.

1.6 Test standards

Technical standard : FCC RULES PART 15 / SUBPART C § 15.247

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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 adaptor	: 120 VAC (power on POE)
Extreme conditions parameters	: --

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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	2005/10/27	2006/10/26
ETSTW-CE 002	PREREULATOR MODE DC POWER SUPPLY	None	None			
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW		
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2005/10/25	2006/10/24
ETSTW-CE 005	Line-Impedance Stabilisation Network	NNBM 8126D	137	Schwarzbeck	2005/10/21	2006/10/20
ETSTW-CE 006	IMPULS-BEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2004/11/11	2006/11/10
ETSTW-CE 007	SPECTRUM ANALYZER 5GHz	FSB	849670/001	R&S		
ETSTW-CE 008	ABSORBING CLAMP	MDS 21	3469	ABSORPTIONS-MESSWANDLER-ZANGE	2005/10/24	2006/10/23
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2005/8/18	2006/8/17
ETSTW-CE 010	Comb Generator-conducted	None	None	ETS		
ETSTW-CE 011	Power Line Conducted Emission Only	None	None	ETS		
ETSTW-CE 012	Dual-Phase-V-Network	NNB-2/16Z	03/10201	Telemeter	2005/4/12	2006/4/11
ETSTW-CS 001	SIGNAL GENERATOR	SMX	849254/003	R&S	2005/10/14	2006/10/13
ETSTW-CS 002	COUPLING AND DECOUPLING NETWORK	CDN S751	19263	SCHAFFNER	2005/10/14	2006/10/13
ETSTW-CS 003	COUPLING AND DECOUPLING NETWORK	CDN T400	19820	SCHAFFNER	2005/10/14	2006/10/13
ETSTW-CS 004	COUPLING AND DECOUPLING NETWORK	CDN M016	20053	SCHAFFNER	2005/10/27	2006/10/26
ETSTW-CS 005	RF Power Amplifier	100A250A	306547	AR	2005/10/14	2006/10/13
ETSTW-CS 004	Terminal 50Ω Load	50T-116 M	None	JFW		
ETSTW-CS 004	Terminal 50Ω Load	50T-116 F	None	JFW		
ETSTW-CS 004	6 dB Attenuator	HFP-5100-3/06 N M/F	2010876106			
ETSTW-RE 001	Controller	CD 1000	C01000/154/867 /004/L	Heinrich Deisel		
ETSTW-RE 002	Function Generator	33220A	MY43004982	Agilent	2005/10/14	2006/10/13
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2005/10/24	2006/10/23
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2005/10/29	2006/10/30
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2005/10/16	2006/10/15
ETSTW-RE 008	Controller	HD100	C0100-L/047/6670703/L	Heinrich Deisel		
ETSTW-RE 009	Controller	HD100	100/341	Heinrich Deisel		
ETSTW-RE 010	PROGRAMMABLE LINEAR POWER SUPPLY	LPS-305	30503070181	MOTECH		
ETSTW-RE 011	PROGRAMMABLE LINEAR POWER SUPPLY	LPS-305	30503070165	MOTECH		

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ETSTW-RE 012	TUNABLE BANDREJECT FILTER	D.C 0309	146	K&L		
ETSTW-RE 013	TUNABLE BANDREJECT FILTER	D.C 0036	397	K&L		
ETSTW-RE 014	DUAL TRACKING WITH 5V FIXED	GPC-3030D	None	GW		
ETSTW-RE 015	ANTENNA	HK116	841489/003	R&S		
ETSTW-RE 016	ANTENNA	HL223	848953/006	R&S		
ETSTW-RE 017	ANTENNA	HL025	352886/001	R&S		
ETSTW-RE 018	ANTENNA	AT4560	27212	AR	2004/11/8	2006/11/7
ETSTW-RE 019	ANTENNA , HORN	22240-25	121074	FM		
ETSTW-RE 020	MICROWAVE HORN ANTENNA	AT4002A	306915	AR		
ETSTW-RE 021	SWEEP GENERATOR	SWM05	835130/010	R&S	2005/10/14	2006/10/13
ETSTW-RE 022	AMPLIFIER	8447D	2944A09837	Brüel&Kjær	2005/10/14	2006/10/13
ETSTW-RE 023	Shielded room	SR 1	None	Frankonia		
ETSTW-RE 024	Anechoic Chamber	CHC 1	None	Frankonia		
ETSTW-RE 025	Anechoic Chamber	CHC 2	None	Frankonia		
ETSTW-RE 026	Open Area Test Site	10m	None	ETS		
ETSTW-RE 027	Passive Loop Antenna	6512	34563	EMCO	2004/6/30	2006/6/29
ETSTW-RE 028	Log-Periodic DipoleArray Antenna	3148	34429	EMCO	2004/6/15	2006/6/14
ETSTW-RE 029	Biconical Antenna	3109	33524	EMCO	2004/6/17	2006/6/16
ETSTW-RE 030	Double-Ridged Waveguide Horn Antenna	3117	35224	EMCO	2004/5/5	2006/5/4
ETSTW-RE 031	Comb Generator-radiated	None	None	ETS		
ETSTW-RE 032	Millivoltmeter	URV 55	849086/013	R&S	2005/10/17	2006/10/16
ETSTW-RE 033	4CH 1GHz 5GS/s DSO	WAVERUNNER 6100A	LCRY0604P14508	LeCory		
ETSTW-RE 034	Power Sensor	URV5-Z4	839313/006	R&S	2005/10/17	2006/10/16
ETSTW-RE 035	1.5GHz Active Voltage Probe	HFP1500	2332	LeCory		
ETSTW-RE 036	100MHz High Voltage Diff Probe	ADP305	3305	LeCory		
ETSTW-RE 037	Log-Periodic DipoleArray Antenna	3148	00034546	EMCO	2004/11/18	2006/11/17
ETSTW-RE 038	Log-Periodic DipoleArray Antenna	3148	00034547	EMCO	2004/11/18	2006/11/17
ETSTW-RE 039	Biconical Antenna	3110B	41760	EMCO	2004/11/18	2006/11/17
ETSTW-RE 040	Biconical Antenna	3110B	41761	EMCO	2004/11/18	2006/11/17
ETSTW-RE 041	Anechoic Chamber	CHC 3	None	Frankonia		
ETSTW-RE 042	ANTENNA	HK116	100172	R&S	2005/1/14	2007/1/13
ETSTW-RE 043	ANTENNA	HL223	100166	R&S	2004/4/16	2006/4/15

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ETSTW-RE 044	ANTENNA	HL050	100094	R&S		
ETSTW-RE 048	Triple Loop Antenna	HXYZ 9170	HXYZ 9170-134	Schwarzbeck	2005/3/22	2007/3/21
ETSTW-RE 049	TRILOG Super Broadband test Antenna	VULB 9160	9160-3185	Schwarzbeck	2005/5/19	2007/5/18
ETSTW-RE 004	Attenuator 10dB	50HF-010	None	JFW		
ETSTW-RE 004	Attenuator 6dB	50HF-006	None	JFW		
ETSTW-RE 004	Attenuator 3dB	50HF-003	None	JFW		
ETSTW-RE 004	Attenuator 3dB	50HF-003	None	JFW		
ETSTW-RE 004	Attenuator 3dB	50HF-003	None	JFW		
ETSTW-RE 055	SPECTRUM ANALYZER	FSU-26	200074	R&S	2005/9/6	2006/9/5
ETSTW-RE 056	Matching Pad (75Ω -> 50Ω)	57Z-3G	None			
ETSTW-RE 057	Matching Pad (75Ω -> 50Ω)	57Z-3G	None			
ETSTW-RE 058	Matching Pad (75Ω -> 50Ω)	57Z-3G	None			
ETSTW-RE 059	Matching Pad (75Ω -> 50Ω)	57Z-3G	None			
ETSTW-EMI 001	HARMONICS 1000	HAR1000-1P	93	EMC-PARTNER	2005/9/11	2006/11/10
ETSTW-EMS 001	Clamp BASELSTRASSE 160 CH-4242 LAUFEN	CN-EFT1000	354	EMC-PARTNER	2004/11/2	2006/11/1
ETSTW-EMS 002	Frequency Converter	YF-6020	0308014			
ETSTW-EMS 003	EMC Immunity Test System	TRA2000IN6	579	EMC-PARTNER	2005/10/27	2006/10/26
ETSTW-EMS 004	ESD generator minizap	ESD2000	016	EMC-PARTNER	2005/10/27	2006/10/26
ETSTW-EMS 003	Attenautor (50Ω)	VERI50	051	EMC-PARTNER	2004/8/31	2006/8/30
ETSTW-EMS 003	Attenautor (1 KΩ)	VERI1K	019	EMC-PARTNER	2004/10/21	2006/10/20
ETSTW-EMS 003	20GΩ Divider	ESD-VERI-V	021	EMC-PARTNER	2004/3/17	2006/3/16
ETSTW-EMS 008	Safety Test Solutions	ELT-400	E-0039	Narda	2005/1/4	2007/1/3
ETSTW-EMS 009	Magnetic Field Antenna	MF1000-1	104	EMC-PARTNER	2004/12/3	2006/12/2
ETSTW-EMS 010	Coupling De-coupling Network	CDN-UTP8	014	EMC-PARTNER	2005/9/1	2006/8/31
ETSTW-EMS 011	Calibration Fixture	F-2031-CF-23MM	451	FCC	2005/8/11	2006/8/11
ETSTW-EMS 012	EM Injection Clamp	F-2031-23MM	476	FCC	2005/8/11	2006/8/11
ETSTW-RS 001	14" COLOR VIDEO MONITOR	TP-1480HR	P009799	TOPICA		
ETSTW-RS 002	14" COLOR VIDEO MONITOR	TP-1480HR	P009814	TOPICA		
ETSTW-RS 003	RF Power Amplifier	30S1G3	306933	AR		
ETSTW-RS 004	RF Power Amplifier	150W1000	307009	AR	2005/10/21	2006/10/20
ETSTW-RS 005	Electric Field Probe Type 8.3	2244/90.21	AF-0016	Narda	2005/9/7	2006/9/6
ETSTW-RS 006	SIGNAL GENERATOR	SML03	101551	R&S	2005/10/21	2006/10/20

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ETSTW-GSM 01	SIM Simulator	IT3	B2004-50106	ORGA	2005/9/15	2006/9/14
ETSTW-GSM 02	Universal Radio Communication Tester	CMU 200	103489	R&S	2005/11/15	2006/11/14
ETSTW-GSM 03	Agilent 8960 Test Set 1	E5515C	GB44052675	Agilent	2004/7/14	2006/7/13
ETSTW-GSM 04	Agilent 8960 Test Set 2	E5515C	GB44052665	Agilent	2004/7/14	2006/7/13
ETSTW-GSM 05	Agilent 8960 Test Set 3	E5515C	GB44052652	Agilent	2004/7/17	2006/7/16
ETSTW-GSM 06	Agilent 8960 Test Set 4	E5515C	GB44052684	Agilent	2004/7/16	2006/7/15
ETSTW-GSM 07	Agilent 8960 Test Set 5	E5515C	GB44052658	Agilent	2004/7/14	2006/7/13
ETSTW-GSM 08	Agilent 8960 Test Set 6	E5515C	GB44052666	Agilent	2004/7/16	2006/7/15
ETSTW-GSM 09	Controller PC	Dell GX 270	700F61J	Dell		
ETSTW-GSM 10	Combiner Wessex / Anite	B4605/100	053	Wessex / Anite	2004/7/14	2006/7/13
ETSTW-GSM 11	GSM 850,900,1800,1900 Test system	TS8950G		R&S	2005/11/1	2006/10/31
ETSTW-GSM 12	Acoustical Calibrator	4231	2463874	Brüel&Kjær	2005/10/31	2006/10/30
ETSTW-GSM 13	Conditioning Amplifier	2690--0S2	2437856	Brüel&Kjær		
ETSTW-GSM 14	Telephone Test Head	4602B	2465324	Brüel&Kjær		
ETSTW-GSM 15	Mouth Simulator	4227	2462516	Brüel&Kjær		
ETSTW-GSM 16	TEMP.&HUMIDITY CHAMBER	GTH-120-40-1P-U	MAA0501002	GIANT FORCE	2005/12/29	2006/12/28
ETSTW-GSM 17	ANTENNT COPLER	CMU-Z10	100988	R&S		
ETSTW-GSM 18	AUDIO ANALYZER	UPL16	100173	R&S	2005/10/29	2006/10/28
ETSTW-GSM 19	Band Reject Filter	WRCTF824/849-822/851-40 /12+9SS	3	WI		
ETSTW-GSM 20	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI		
ETSTW-GSM 21	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI		
ETSTW-GSM 22	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI		
ETSTW-GSM 23	SPLITTER	4901.19.A	None	SUHNER		
ETSTW-GSM 24	Vibration Testing System	VS-100V	5494	Vibration	2005/12/20	2006/12/19
ETSTW-GSM 25	Reference Phone	N70	357927002616186	Nokia		
ETSTW-GSM 26	Reference Phone	6230	354327002906419	Nokia		

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2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-2003 using a 50 μ H 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 C63.4-2003 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. The ambient temperature of the UUT was 23°C with a humidity of 40 %.

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 dB μ V) 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 dB μ V + 10.36 dB + 6 dB = 36.36 dB μ V/m @3m

The UUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.4-2003 Section 13.1.2. 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 ETS Dr.Genx Taiwan PS Co., Ltd. at the registered open field test site located at No.5-1, Shuang Sing Village, LiShuei Rd., Wanli Township, Taipei County 207, Taiwan (R.O.C.) The Registration Number: 930600.

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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 = $20 \log (\text{dwell time}/T)$

$T = 100\text{ms}$ 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

ANTENNA & GROUND:

This unit uses Dipole Antenna. (see photos)

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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)	☒	☒	☐
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 And Receiver L.O.	15.109	☒	☒	☐
Power Line Conducted Emission	15.207	☒	☒	☐

The follows is intended to leave blank.

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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).

Test condition		Conducted Power		
		Channel A	Channel B	Channel C
		[dBm]	[dBm]	[dBm]
$T_{nom} = 23^{\circ}\text{C}$	$V_{nom} = 120 \text{ V}$	25.02	24.80	24.51
Measurement uncertainty		< 3 dB		

Test condition $T_{nom} = 23^{\circ}\text{C}$, $V_{nom} = 120 \text{ V}$	Signal Field strength TX highest power mode dB $\mu\text{V/m}$
Frequency [MHz]	
2412	105.62
Measurement uncertainty	< 3 dB

Remarks: The diagrams for the field strength measurements are included in Appendix.

Limits:

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

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

Test equipment used: ETSTW-RE 003 , ETSTW-RE 012 , ETSTW-RE 017 , ETSTW-RE 024

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3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

EIRP = maxconducted output power + antenna gain

EIRP = 25.02 dBm + 2 dBi

= 27.02 dBm

Limit: EIRP = +36 dBm for Antenna gain ≤dBi

3.2.1 Transmitter

Integral Antenna:

At the transmitter the measurement was transacted with the modulation declared by the manufacturer and the maximum available output power of the EUT.

In this arrangement the EUT fulfils the requirements of the FCC rules § 15.247, subpart C, section b.

3.3 RF Exposure Compliance Requirements

The test sample is a WLAN access point intended for fixed installation.

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 G = AG-D

Item	Unit	Value	Remarks
P	mW	317.68741	Peak value
D	dB		
AG	dBi	1.6	
G		2	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.101122	Calculated value

Limits:

Limit for General Population / Uncontrolled Exposure	
Frequency (MHz)	Power Density (mW/cm ²)
1500 -100.000	1,0

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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 1000 MHz.

For radiated emission tests, the analyzer setting was as followings:

Frequency $\leq$ 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: 100Hz (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 OFDM 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 = $20 \log (\text{dwell time} / 100\text{ms})$

No duty cycle correction was added to the reading.

$54.0\text{dB } \mu\text{V/m} + 20 \text{ dB} = 74 \text{ dB } \mu\text{V/m}$

Remarks: see attached diagrams

Test equipment used: ETS 0125, ETS 0271

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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 below 1GHz:

Max. reading – 20 dB

$105.62\text{dB } \mu\text{V/m} - 20\text{ dB} = 85.62\text{ dB } \mu\text{V/m}$

Guidance on Measurement of DSSS 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 = $20 \log (\text{dwell time}/100\text{ms})$

For frequencies above 1GHz (Peak measurements).

Limit = max. aver. Reading-20dB+20dB(because Peak detector is used)

$85.62\text{ dB } \mu\text{V/m}$

For frequencies above 1GHz (Average measurements).

Max. reading – 20dB

No duty cycle correction was added to the reading

$105.62\text{dB } \mu\text{V/m} - 20\text{ dB} = 85.62\text{ dB } \mu\text{V/m}$

Remarks: see attached diagrams

Test equipment used: ETSTW-RE 003 , ETSTW-RE 012 , ETSTW-RE 015 , ETSTW-RE 016 , ETSTW-RE 017 , ETSTW-RE 024

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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 "Duty-Cycle Correction Factor".

Summary table with radiated data of the test plots

CH 1

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	34.428858	27.16	13.15	PK	40.31	105.62	65.31	144
	165.250501	23.68	15.16	PK	38.84	74	35.16	321
	374.749499	19.76	17.04	PK	36.80	105.62	68.82	302
	810.821643	12.86	25.33	PK	38.19	105.62	67.43	178
	2390.0	20.44	13.56	PK	71.34	74	2.66	264
	2390.0	38.62	13.56	AV	52.18	54	1.82	264
	2978.263527	58.90	-0.38	PK	58.52	105.62	47.10	283
	4824.07002	56.33	4.49	PK	60.82	74	13.18	26.8
	4824.07002	46.79	4.49	AV	51.28	54	2.72	268
	7250.293	40.05	7.51	PK	47.56	74	26.44	172
	7250.293	24.82	7.51	AV	32.33	54	21.67	172

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	81.102204	27.30	9.95	PK	37.25	105.62	68.37	293
	374.749499	21.90	17.04	PK	38.94	105.62	66.68	312
	833.266533	15.81	25.56	PK	41.37	105.62	64.25	156
	2390.0	48.68	13.56	PK	64.24	74	9.76	254
	2390.0	29.62	13.56	AV	43.18	54	10.82	254
	3014.028056	60.67	-0.19	PK	60.48	105.62	45.14	313
	3621.242485	51.53	1.13	PK	52.66	74	21.34	184
	5426.853707	45.32	4.42	PK	49.74	74	24.26	238
	7328.476954	46.04	7.58	PK	53.62	105.62	52.0	124
	14476.953908	61.04	-8.3	PK	52.74	54	1.26	162

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Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	34.428858	26.92	13.15	PK	40.07	105.62	65.55	173
	165.250501	23.12	15.16	PK	38.28	74	35.72	317
	374.749499	19.54	17.04	PK	36.58	105.62	69.04	312
	810.821643	14.77	25.33	PK	40.10	105.62	65.52	156
	2486.605210	52.38	-1.87	PK	50.01	74	23.99	162
	3026.052104	56.68	-0.15	PK	56.53	105.62	49.09	305
	3609.218437	50.73	1.04	PK	51.77	74	22.23	178
	4857.715431	48.61	4.67	PK	53.28	74	20.72	45
	7313.75251	60.89	6.29	PK	67.18	74	6.82	274
	7313.75251	44.33	6.29	AV	50.62	54	3.38	274

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	81.102204	27.06	9.95	PK	37.10	105.62	68.52	269
	374.749499	19.23	17.04	PK	36.27	105.62	63.35	294
	874.94990	12.64	25.68	PK	38.32	105.62	67.30	162
	2485.5714	49.95	-1.98	PK	47.97	74	24.31	194
	2688.443888	50.24	-0.58	PK	49.66	74	53.44	234
	4873.747495	45.79	4.74	PK	50.53	74	11.82	286
	7313.502	46.34	6.32	PK	52.66	74	23.38	63
	7313.502	33.24	6.32	AV	39.56	54	10.44	286

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Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	34.428858	27.36	13.15	PK	40.51	105.62	65.11	156
	374.749499	23.43	17.04	PK	40.47	105.62	65.15	331
	812.424850	16.33	28.35	PK	41.68	105.62	63.94	162
	2158.717435	53.32	2.86	PK	56.18	105.62	49.44	78
	2483.5	74.44	-1.82	PK	72.62	74	1.38	330
	2483.5	54.2	-1.82	AV	52.38	54	1.62	330
	2775.389780	50.16	-0.21	PK	49.95	74	24.05	183
	4924.12434	54.47	4.85	PK	59.32	74	14.68	283
	4924.12434	45.48	4.85	AV	50.33	54	3.67	283
	7386.39780	65.34	6.22	PK	71.56	74	2.44	192

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Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	81.102204	22.32	14.27	PK	36.59	105.62	69.03	273
	137.314629	18.89	14.77	PK	33.66	74	40.34	183
	499.799599	16.91	19.78	PK	36.69	105.62	68.93	217
	814.028056	17.35	25.37	PK	42.72	105.62	62.90	132
	2153.106212	47.44	2.88	PK	50.32	105.62	55.30	92
	2483.5	61.6	-1.82	PK	59.78	74	14.22	342
	2483.5	42.68	-1.82	AV	40.86	54	13.14	342
	2688.443888	48.76	-1.91	PK	46.85	74	27.15	145
	4921.843687	44.09	4.87	PK	48.96	74	25.04	254
	7387.36774	51.05	6.18	PK	57.23	74	16.77	168
	7387.36774	35.70	6.18	AV	41.88	54	12.12	168

Freq. – Frequency Range:

- 1: 30 - 200 MHz
- 2: 200 - 1000 MHz
- 3: 1 - 4 GHz
- 4: 4 - 8 GHz
- 5: 8 - 12 GHz
- 6: 12 - 17 GHz
- 7: 17 - 26.5 GHz

All not in the table noted test results are more than 20 dB below the relevant limits.

All other not noted test polts do not contain significant test results in relation to the limits.

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

Comment: see attached diagrams

Test equipment used: ETSTW-RE 003, ETSTW-RE 015, ETSTW-RE 016, ETSTW-RE 017, ETSTW-RE 024

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3.6 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.

Test conditions		6 dB Bandwidth		
		Channel A	Channel B	Channel C
$T_{nom} = 23^{\circ}\text{C}$	$V_{nom} = 120\text{ V}$	16.51302605 MHz	16.23246493 MHz	13.86773547 MHz
Measurement uncertainty		< 10 Hz		

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-CE 003 , ETSTW-RE 003

Comment: see attached diagram

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3.7 Peak Power Spectral Density

Peak Power Spectral density is 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.

Test conditions		Peak Power Spectral Density (3 kHz)		
		Channel A [dBm]	Channel B [dBm]	Channel C [dBm]
$T_{nom} = 23^{\circ}\text{C}$	$V_{nom} = 120 \text{ V}$	-0.50	-3.46	-3.28
Measurement uncertainty		< 3 Hz		

Limits:

Frequency Range MHz	dBm
902-928	8
2400-2483,5	8
5725-5850	8

Test equipment used: ETSTW-CE 003 , ETSTW-RE 003

Comment: see attached diagram

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3.8 Radiated Emissions from Receiver Section of Transceiver

FCC Rule: 15.109

Summary table with radiated data of the test plots

RX**Ch1**

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	30.340681	24.71	12.30	PK	37.10	40	2.9	35
	64.749499	23.38	13.56	PK	37.10	40	3.06	82
	374.749499	21.00	17.04	PK	38.04	46	7.96	324
	809.218437	15.01	25.17	PK	40.18	46	5.82	152
	814.028056	17.48	25.36	PK	42.84	46	3.16	232
	1625.250501	39.70	-6.87	PK	32.83	54	21.17	75
	1757.515030	40.49	-5.56	PK	34.93	54	19.07	273

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	58.617234	19.32	13.52	PK	32.84	40	7.16	75
	64.749499	20.30	13.56	PK	33.86	40	6.15	89
	374.749499	21.50	17.04	PK	38.54	46	7.46	301
	374.9951152	26.51	17.05	QP	43.56	46	2.44	88
	567.134269	20.84	21.26	PK	42.10	46	3.90	167
	1372.745491	40.98	-8.38	PK	32.60	54	21.40	58
	1625.250501	39.73	-6.87	PK	32.86	54	21.14	263

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Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	30.340681	23.34	12.30	PK	36.64	40	3.36	58
	66.112224	23.76	13.26	PK	37.02	40	2.98	78
	374.749499	20.35	17.04	PK	37.39	46	8.61	288
	817.234469	14.34	25.19	PK	39.53	46	6.47	217
	1372.745491	37.96	-8.38	PK	29.58	54	24.42	49
	1625.250501	38.05	-6.87	PK	31.18	54	22.82	288

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Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	58.617234	20.32	13.52	PK	33.84	40	6.16	92
	64.749499	20.85	13.56	PK	34.41	40	55.9	78
	374.749499	19.33	17.04	PK	36.37	46	9.63	318
	567.134269	15.82	21.26	PK	37.08	46	8.92	118
	1246.492986	38.25	-7.84	PK	30.41	54	23.59	62
	1372.745491	40.38	-8.38	PK	32.00	54	22.00	265

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Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	30.340681	23.91	12.30	PK	36.21	40	3.79	42
	64.749499	23.03	13.56	PK	36.59	40	3.41	83
	374.749499	20.74	17.04	PK	37.78	46	8.22	295
	814.028056	15.75	25.36	PK	41.11	46	4.89	231
	1372.745491	38.11	-8.38	PK	29.73	54	24.27	68
	1625.250501	40.69	-6.87	PK	33.82	54	20.18	269

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	58.617234	20.08	13.52	PK	33.60	40	6.4	264
	64.749499	19.45	13.56	PK	33.01	40	6.99	108
	374.749499	21.65	17.04	PK	38.69	46	7.31	298
	567.134269	18.71	21.26	PK	36.97	46	9.03	115
	1372.745491	39.32	-8.38	PK	30.94	54	23.06	77
	1625.250501	37.47	-6.87	PK	30.60	54	23.40	264

Digital

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)	Antenna Height (cm)
V	34.64048096	24.12	13.26	QP	37.38	40	262	168	189
	132.204409	23.51	14.30	PK	37.81	435	5.69	311	262
	374.749499	21.71	17.02	PK	38.73	46	7.27	332	245
	804.408818	16.08	25.16	PK	41.24	46	4.76	184	132

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Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)	Antenna Height (cm)
H	81.102204	27.2	9.96	PK	37.16	40	2.84	173	258
	374.749499	19.1	17.02	PK	39.11	46	6.89	215	156
	874.1337	13.37	25.74	PK	39.11	46	6.89	215	156

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 015, ETSTW-RE 016, ETSTW-RE 017, ETSTW-CS 001, ETSTW-RE 026, ETSTW-RE 003, ETSTW-RE 025

Comment: see attached diagram

3.9 Power Line Conducted Emission

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

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

Frequency	Level (dB μ V)	
	quasi-peak	average
150 kHz	lower limit line	Lower limit line

LISN Type	Frequency Marker (MHz)	Corrected Reading (dB μ V)	Correction Factor (dB)	Detector	Test Result (dB μ V)	Compliance Limit (dB μ V)	Margin
N	0.480	27.7	10.1	QP	37.8	56.3	18.5
	0.480	18.3	10.1	AV	28.4	46.3	17.9
	0.560	30.9	10.1	QP	41.0	56.0	15.0
	0.560	21.3	10.1	AV	31.4	46.0	14.6
	0.800	16.4	10.1	QP	26.5	56.0	29.5
	0.800	4.5	10.1	AV	14.6	46.0	31.4
	10.110	26.2	10.1	QP	36.3	60.0	23.7
	10.110	21.9	10.1	AV	32.0	50.0	18.0
	19.990	25.9	10.1	QP	36.0	60.0	24.0
	19.990	19.7	10.1	AV	29.8	50.0	20.2

LISN Type	Frequency Marker (MHz)	Corrected Reading (dB μ V)	Correction Factor (dB)	Detector	Test Result (dB μ V)	Compliance Limit (dB μ V)	Margin
L1	0.490	32.8	10.1	QP	42.9	56.2	13.3
	0.490	27.4	10.1	AV	37.5	46.2	8.7
	0.570	34.3	10.1	QP	44.4	56.0	11.6
	0.570	32.2	10.1	AV	42.3	46.0	3.7
	0.970	26.5	10.1	QP	36.6	56.0	19.4
	0.970	21.3	10.1	AV	31.4	46.0	14.6
	20.060	25.9	10.1	QP	36.0	60.0	24.0
	20.380	18.5	10.1	AV	28.6	50.0	21.4
	20.810	30.2	10.1	QP	40.3	60.0	19.7
	20.810	24.3	10.1	AV	34.4	50.0	15.6



Registration number: W6M20601-6544-C-2
FCC ID: TER-MULTIAP-700G

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 004, ETSTW-CE 001, ETSTW-RE 023

Comment: see attached diagram

Appendix

- A Peak Output Power
- B Spurious Emissions radiated
- C Band Edge Measurement
- D Minimum 6dB Bandwidth
- E Peak Power Spectral Density
- F Radiated Emissions from Receiver Section of Transceiver
- G Power Line Conducted Emission
- H Pictures



Registration number: W6M20601-6544-C-2
FCC ID: TER-MULTIAP-700G

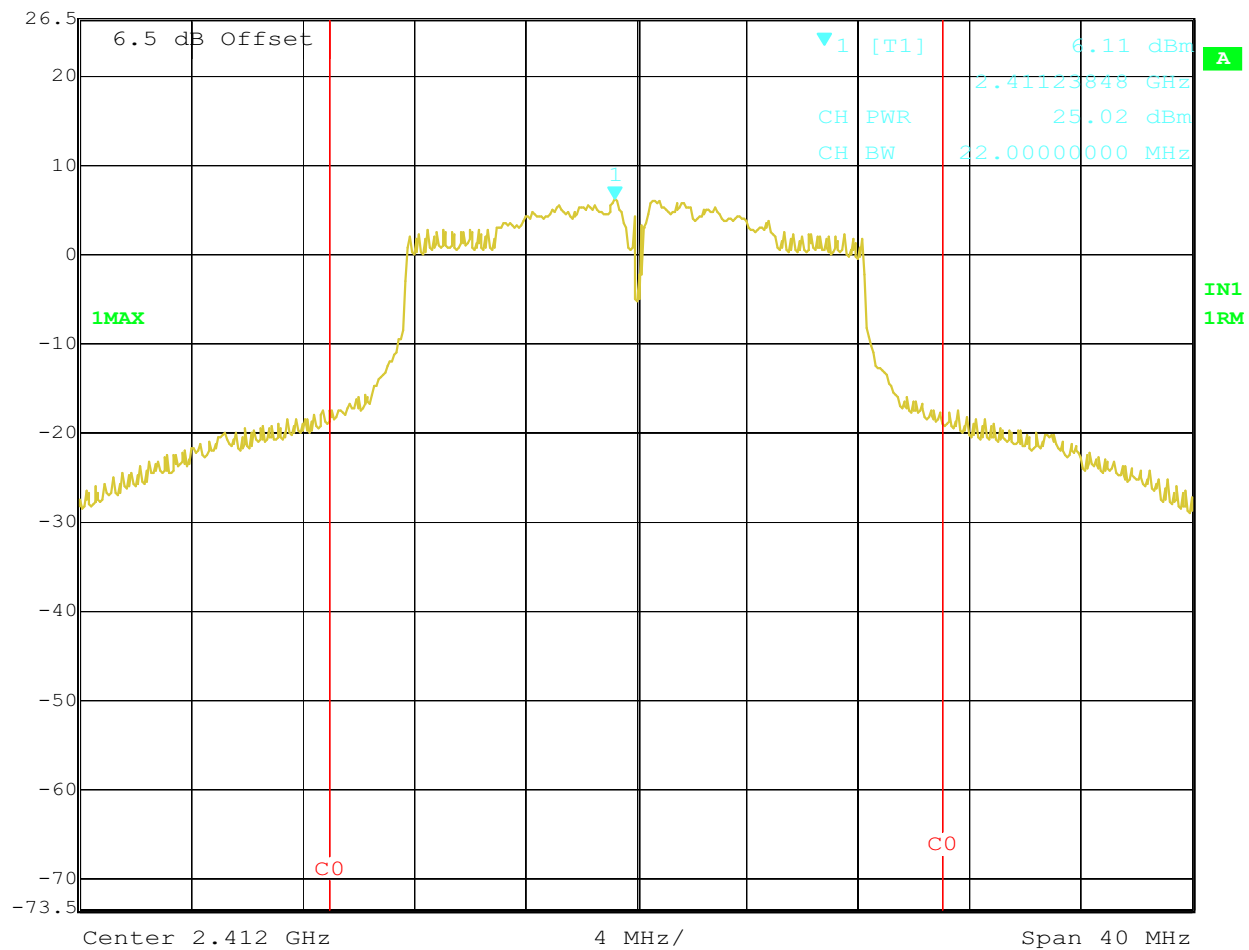
Appendix A

Peak Output Power

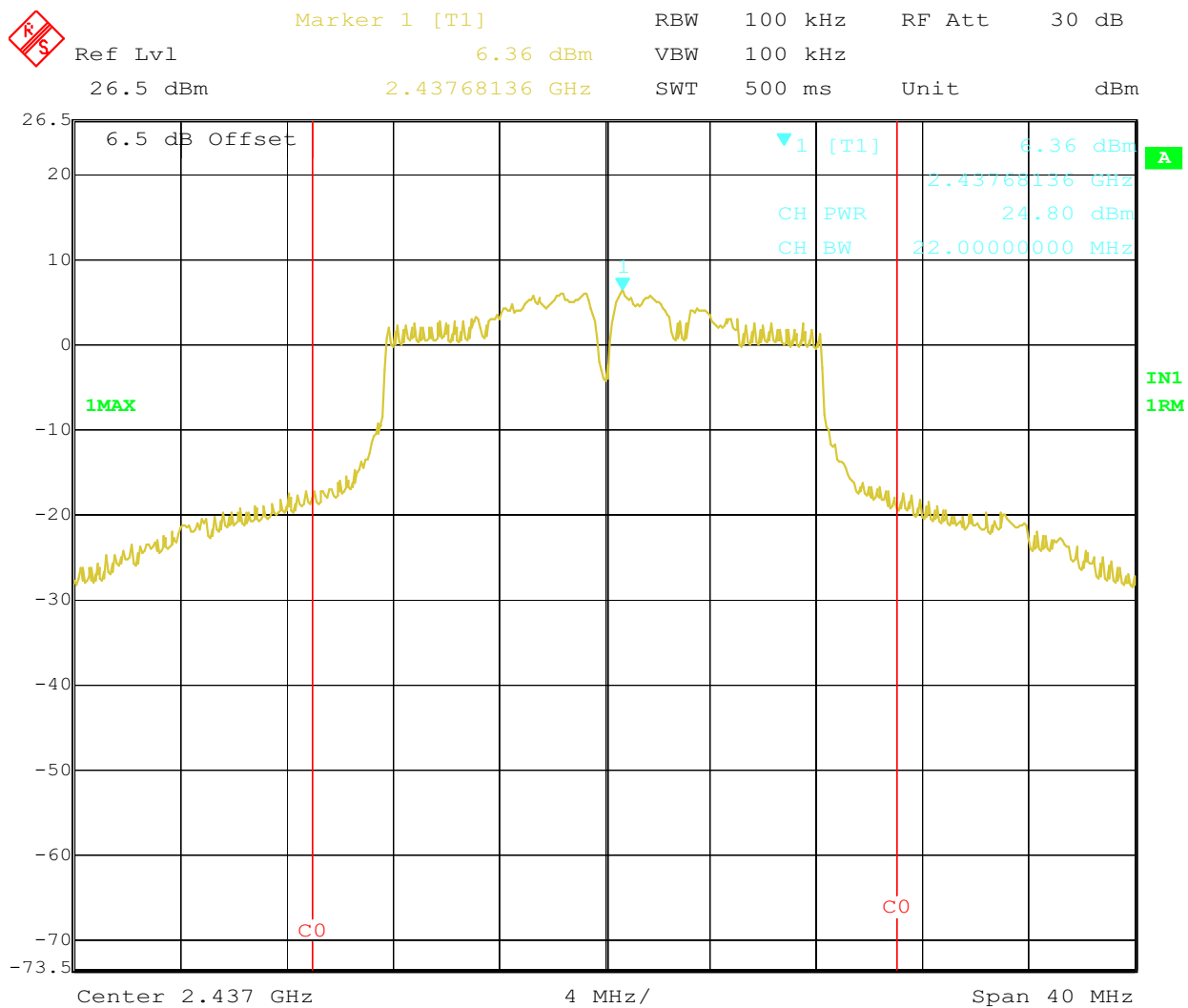
The measurement diagram are wideband pre-scan results; only for reference.



Marker 1 [T1] RBW 100 kHz RF Att 30 dB
Ref Lvl 6.11 dBm VBW 100 kHz
26.5 dBm 2.41123848 GHz SWT 500 ms Unit dBm



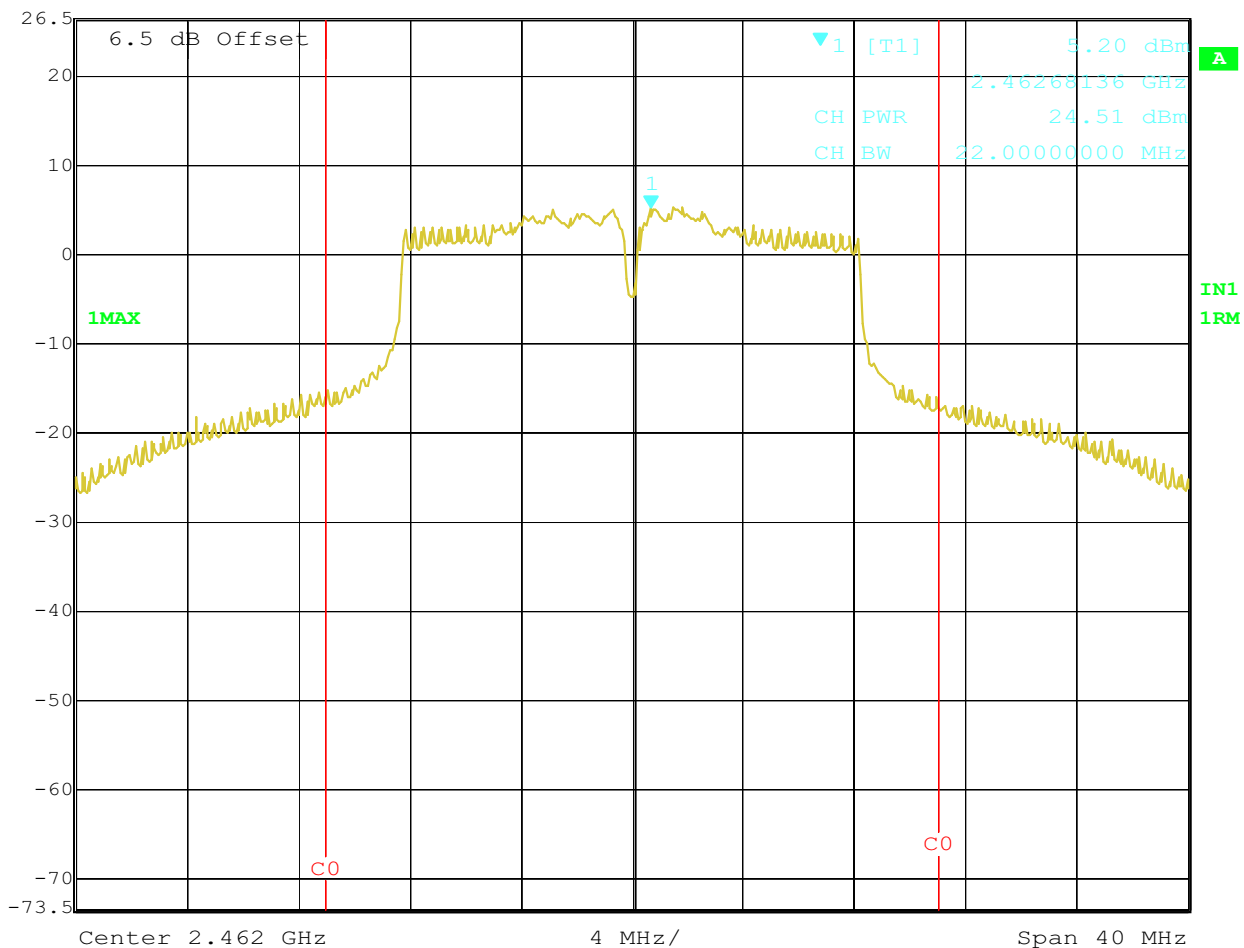
Title: 11G CH1 OUTPUT POWER
Comment A: ValuePoint Networks, Inc.
Date: 23.FEB.2006 15:47:03



Title: 11G CH6 OUTPUT POWER
Comment A: ValuePoint Networks, Inc.
Date: 23.FEB.2006 15:49:41



Marker 1 [T1] RBW 100 kHz RF Att 30 dB
Ref Lvl 5.20 dBm VBW 100 kHz
26.5 dBm 2.46268136 GHz SWT 500 ms Unit dBm

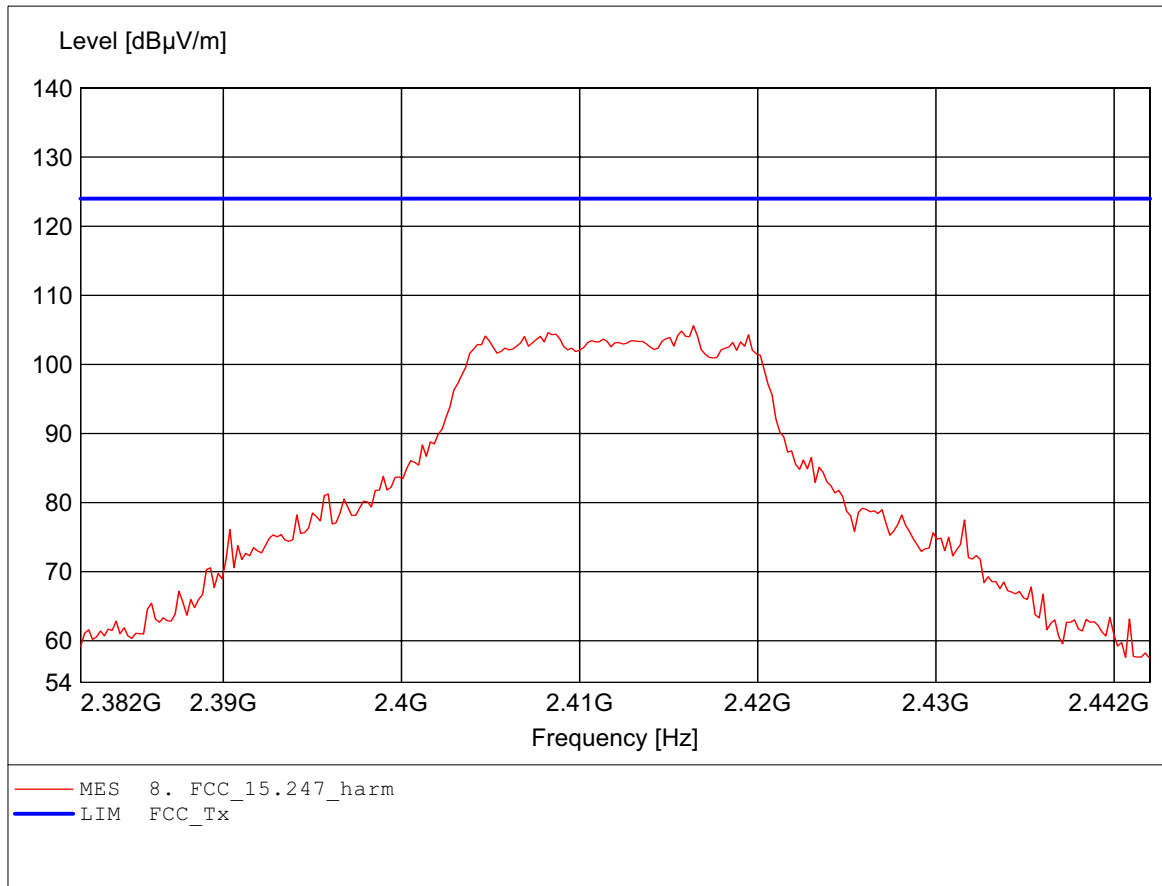


Title: 11G CH11 OUTPUT POWER
Comment A: ValuePoint Networks, Inc.
Date: 23.FEB.2006 15:56:27

Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

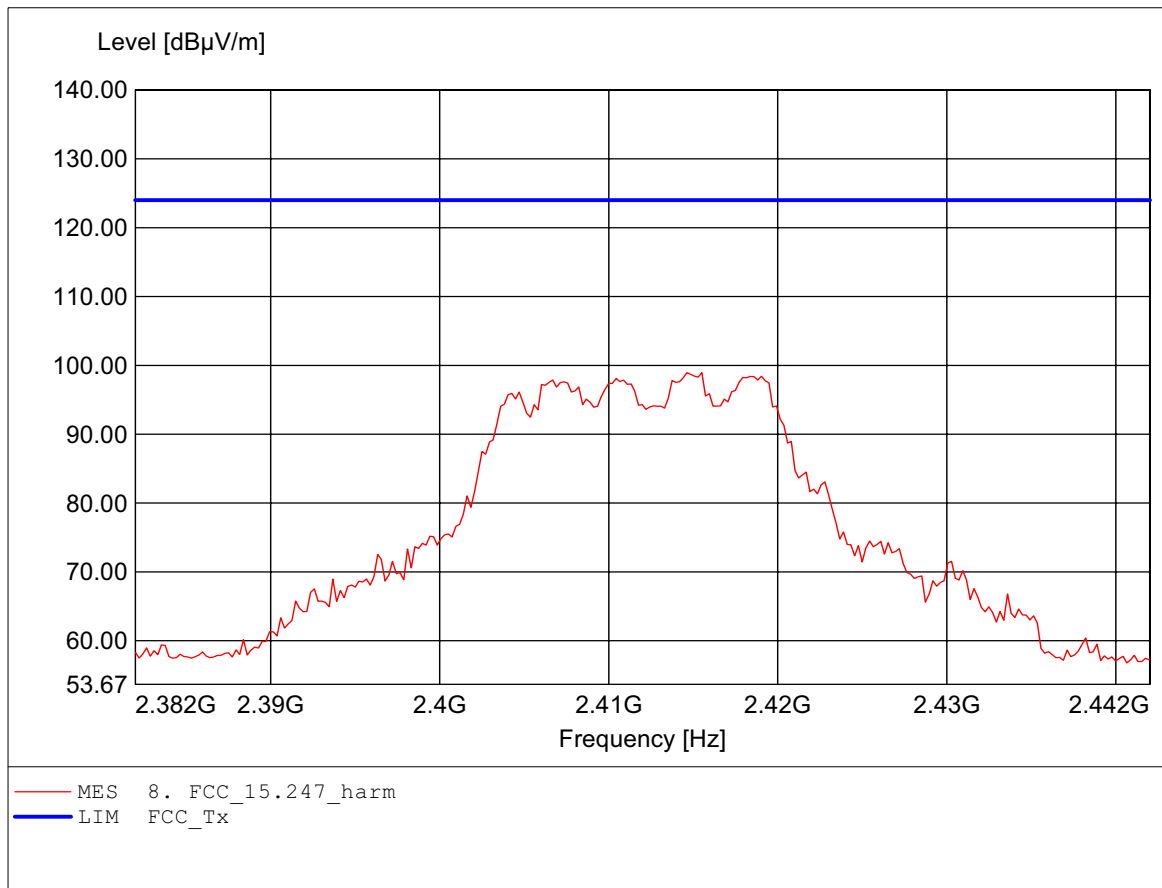
EUT: Wireless Access Point
MODEL NO.: MultiAP 700b 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 2: Dist.: 3m, Ant.: HL025
Freq: 2.416GHz, Emax: 105.62dBµV/m, RBW: 1MHz



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

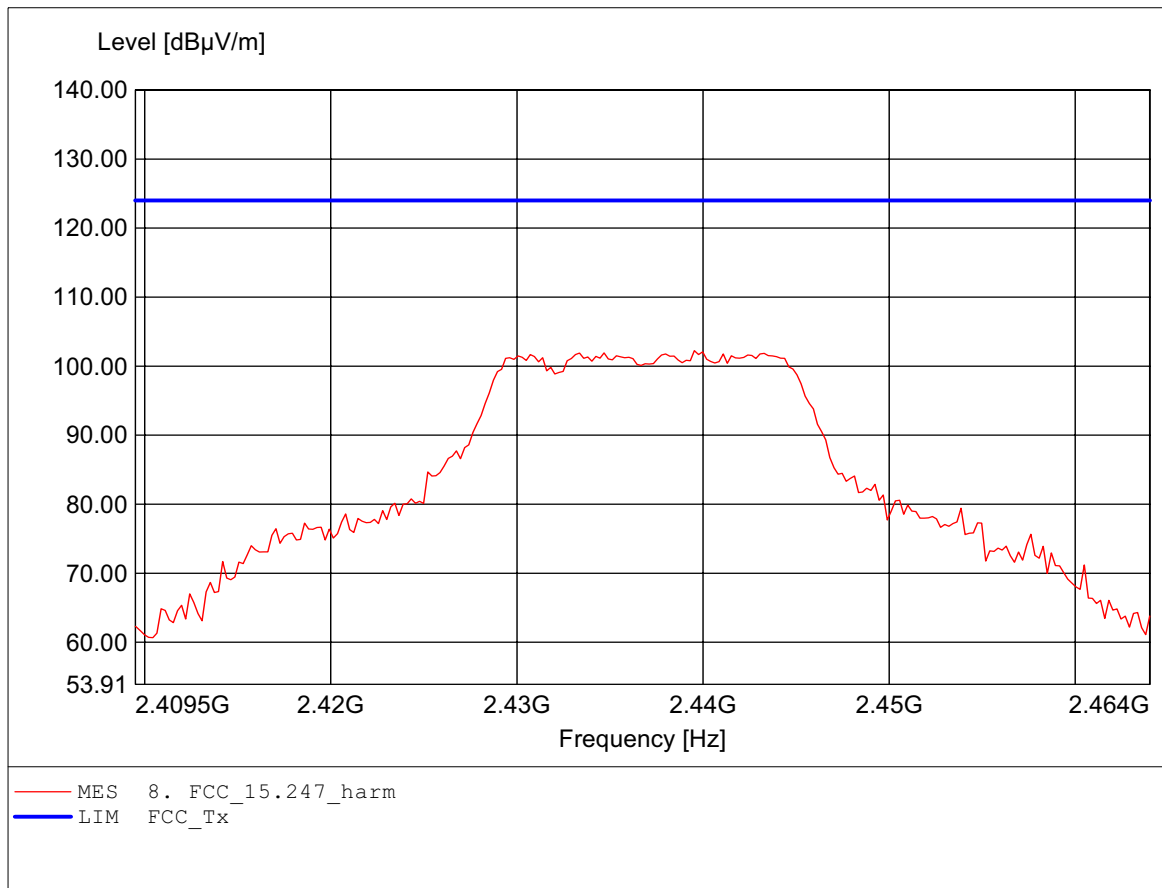
EUT: Wireless Access Point
MODEL NO.: MultiAP 700b 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 2: Dist.: 3m, Ant.: HL025
Freq: 2.415GHz, Emax: 98.95dBµV/m, RBW: 1MHz



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

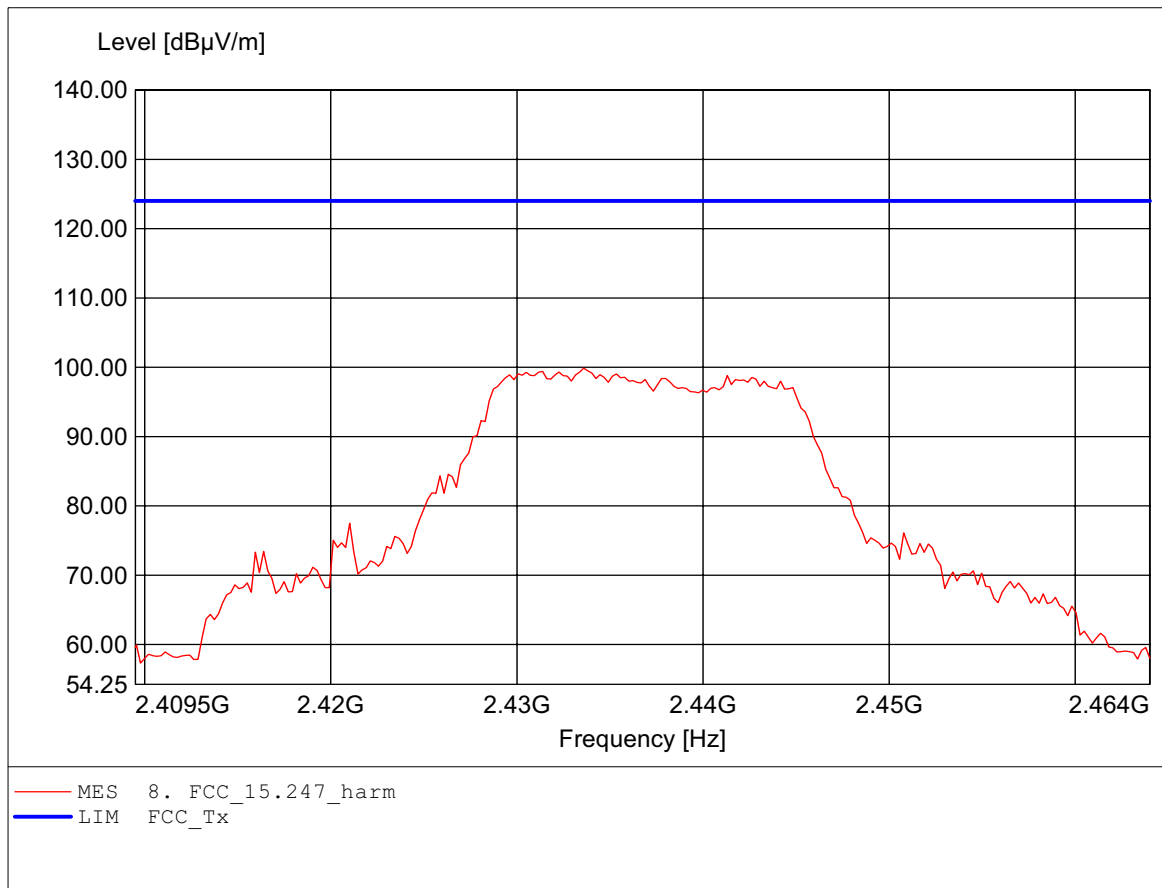
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 2: Dist.: 3m, Ant.: HL025
Freq: 2.440GHz, Emax: 102.24dBµV/m, RBW: 1MHz



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

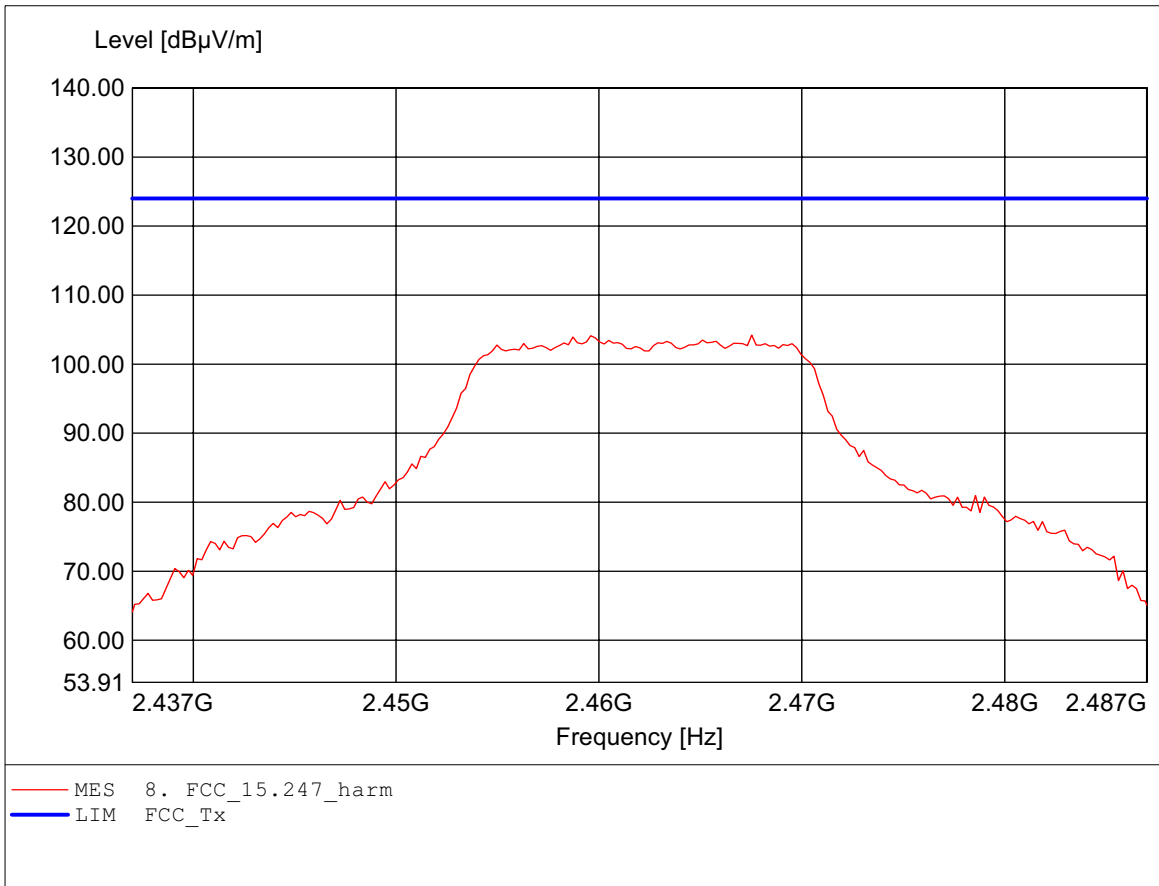
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 2: Dist.: 3m, Ant.: HL025
Freq: 2.434GHz, Emax: 99.88dBμV/m, RBW: 1MHz



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

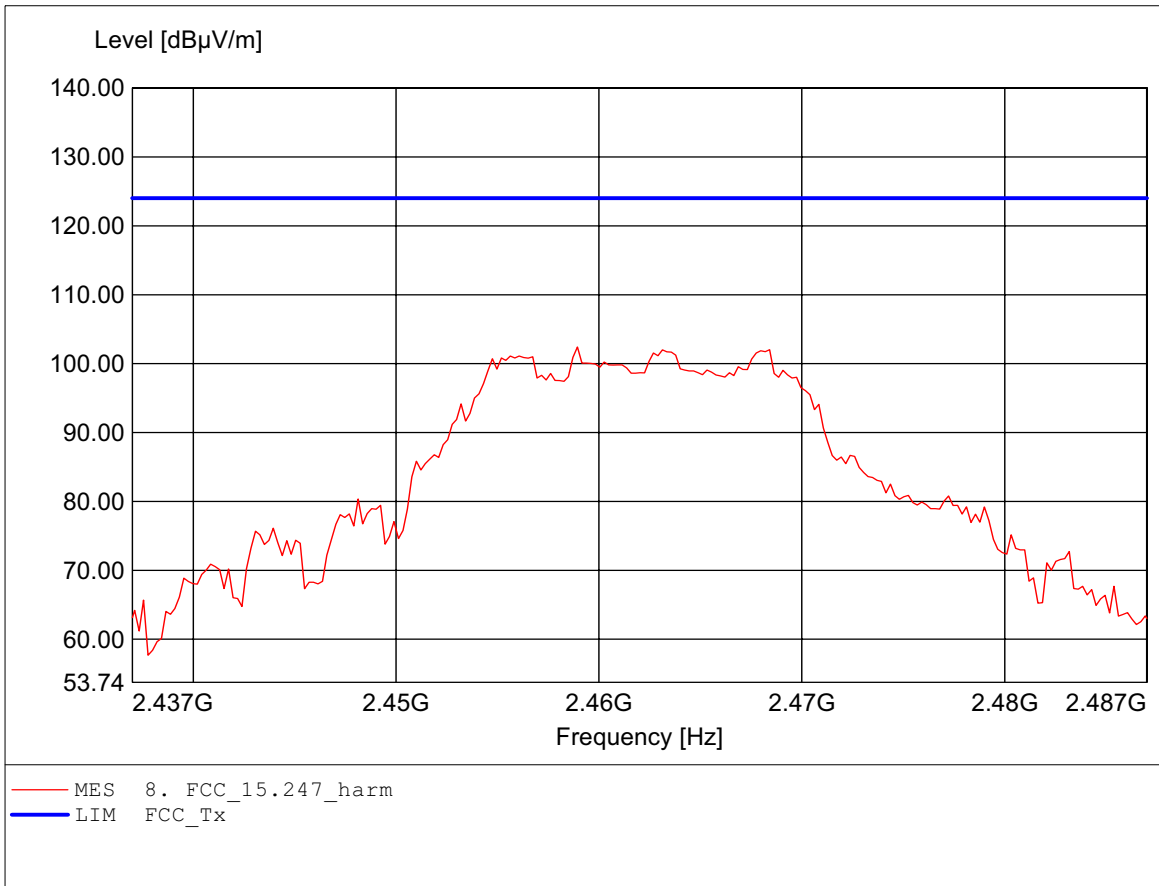
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 2: Dist.: 3m, Ant.: HL025
Freq: 2.468GHz, Emax: 104.19dBµV/m, RBW: 1MHz



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 2: Dist.: 3m, Ant.: HL025
Freq: 2.459GHz, Emax: 102.40dBµV/m, RBW: 1MHz





Registration number: W6M20601-6544-C-2
FCC ID: TER-MULTIAP-700G

Appendix B

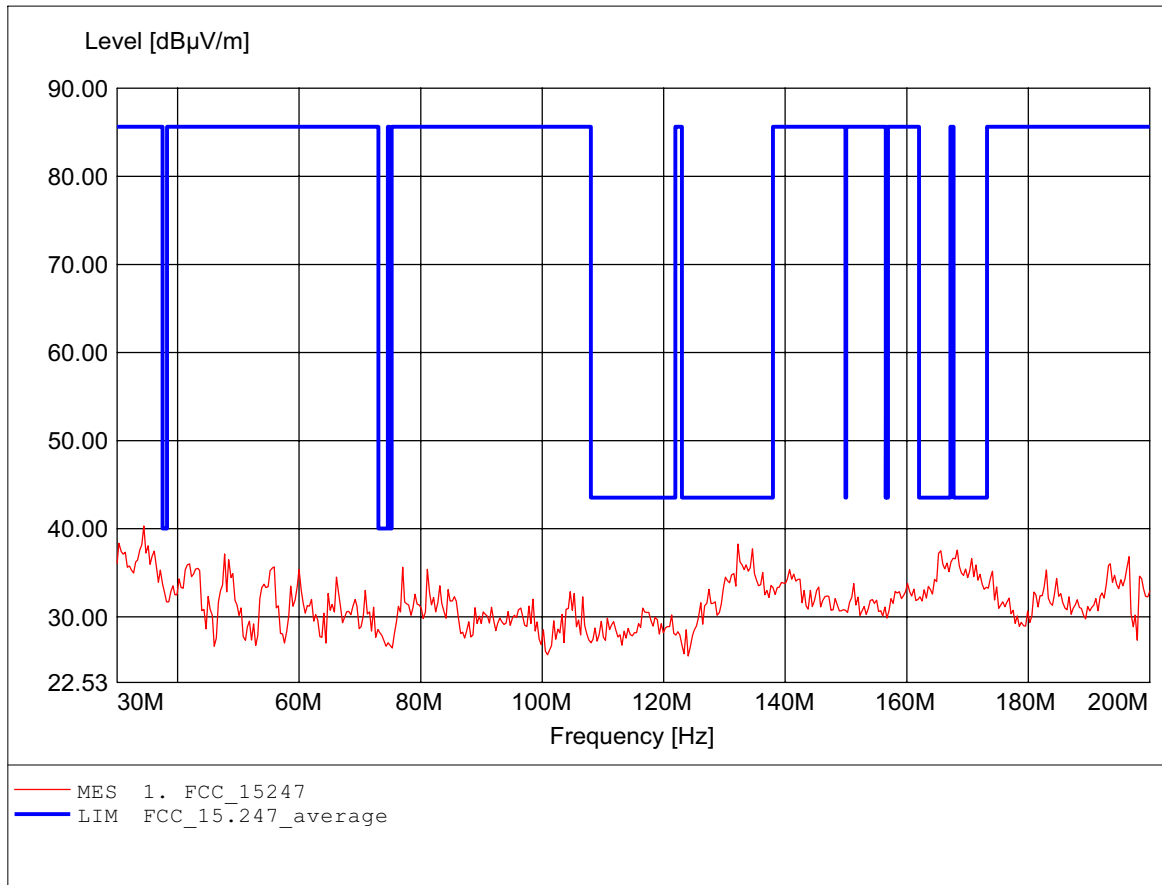
Spurious Emissions radiated

The measurement diagram are wideband pre-scan results; only for reference.

Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

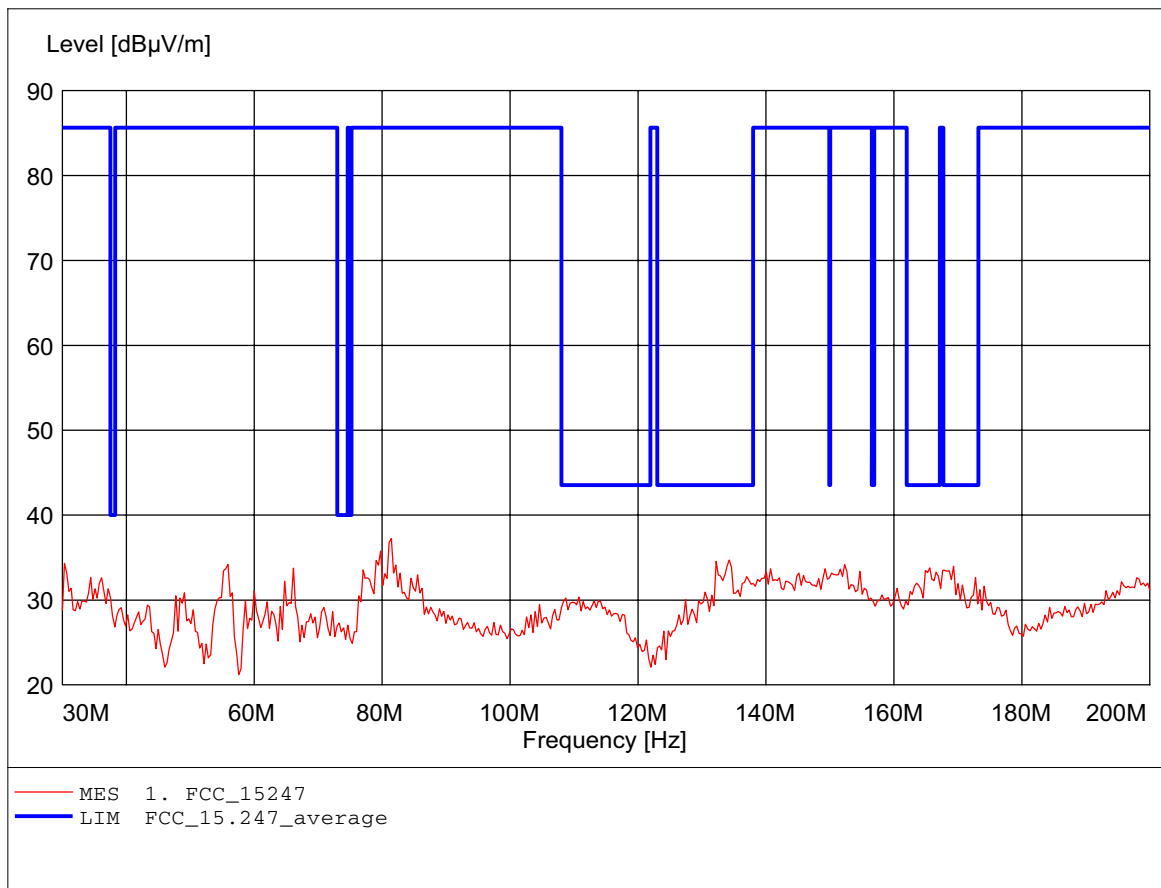
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 34.429MHz, Emax: 40.31dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

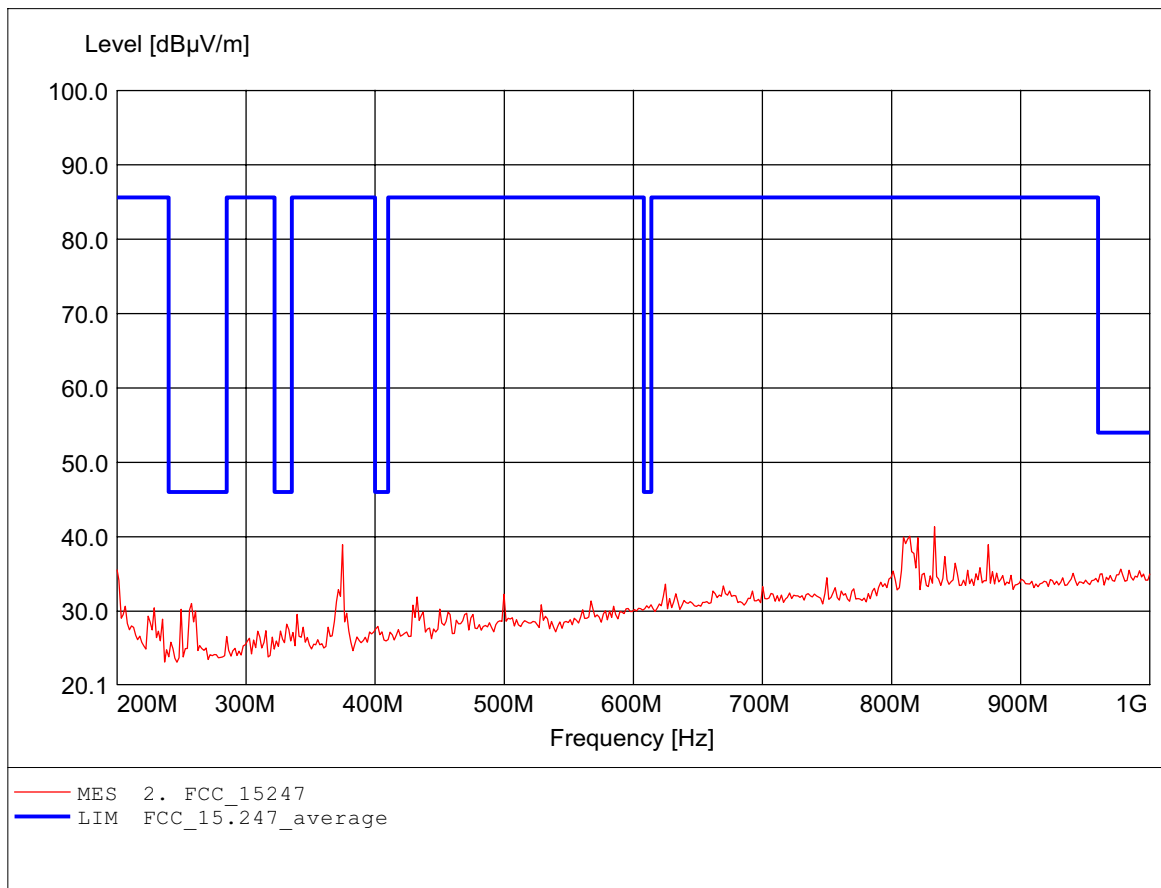
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 81.443MHz, Emax: 37.25dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

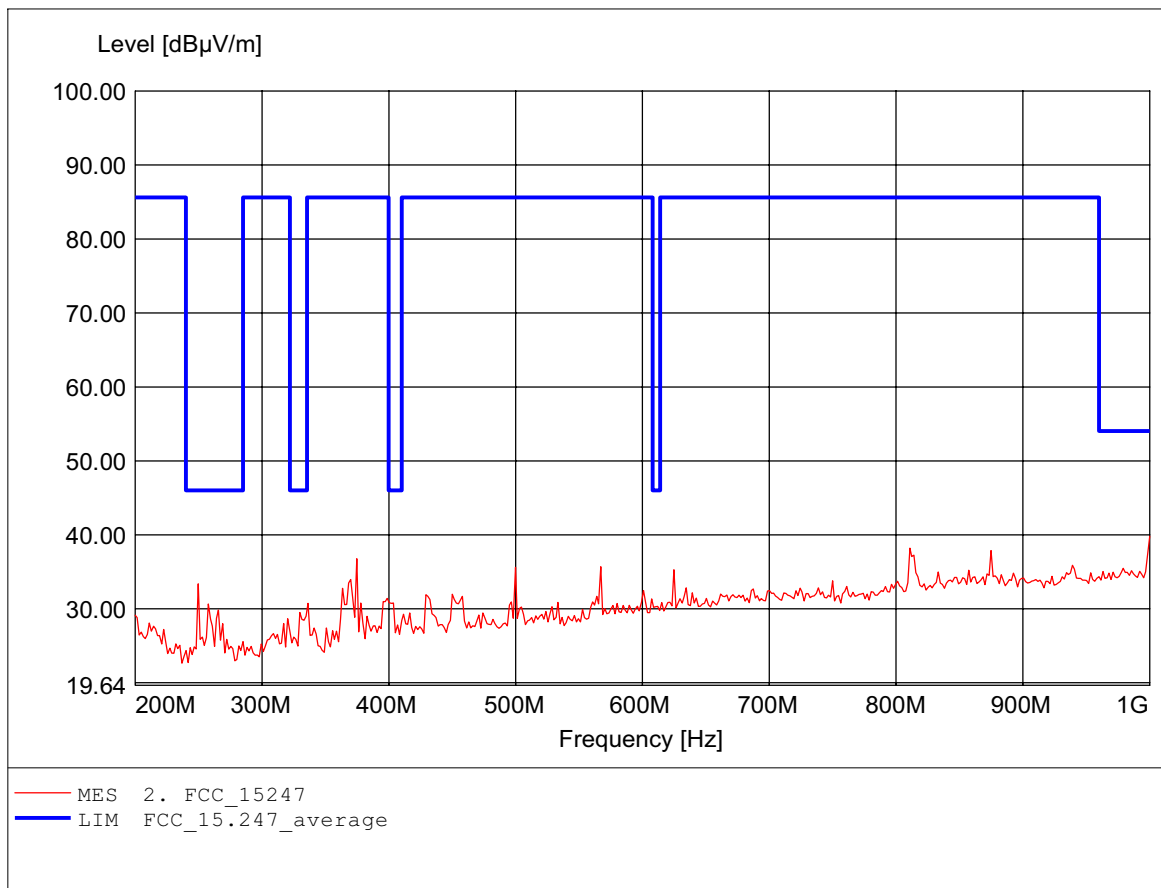
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223,
Freq: 833.267MHz, Emax: 41.37dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

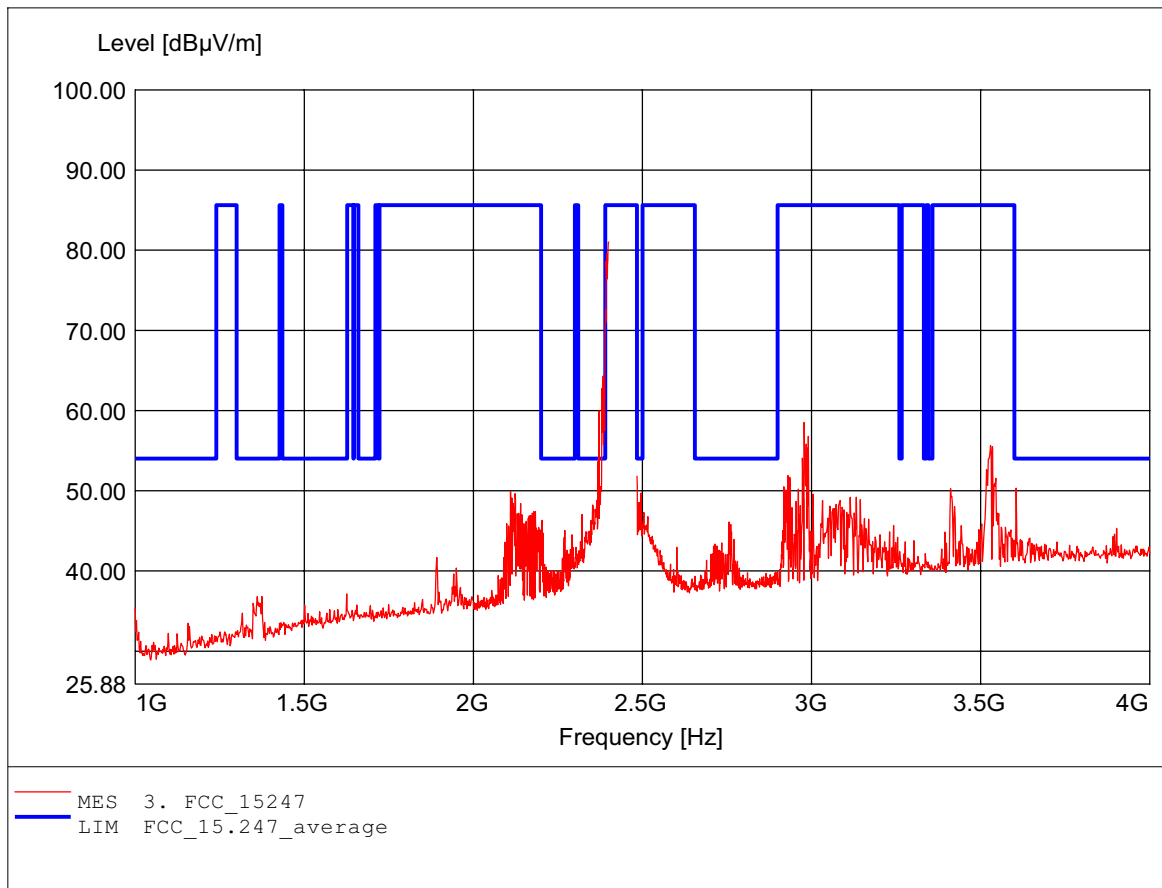
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223,
Freq: 1.000GHz, Emax: 39.81dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

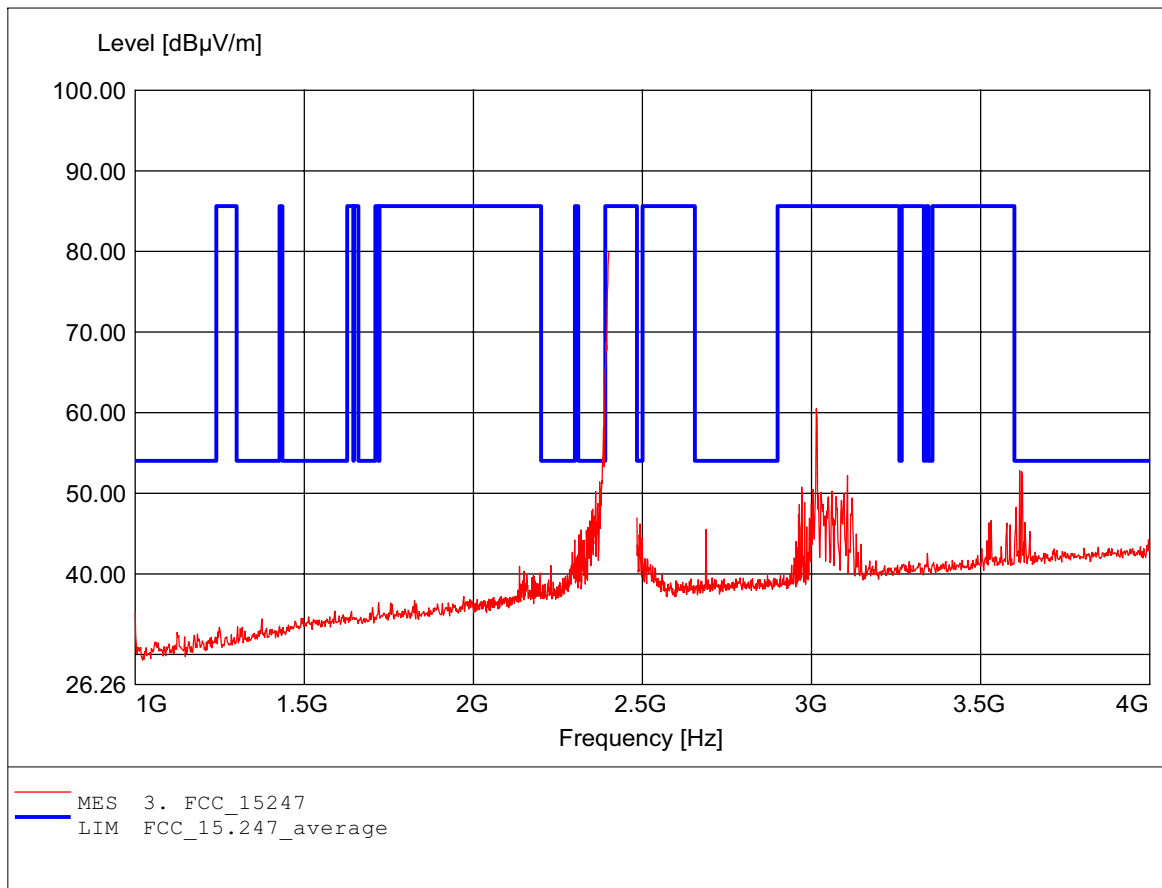
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 2.400GHz, Emax: 81.02dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

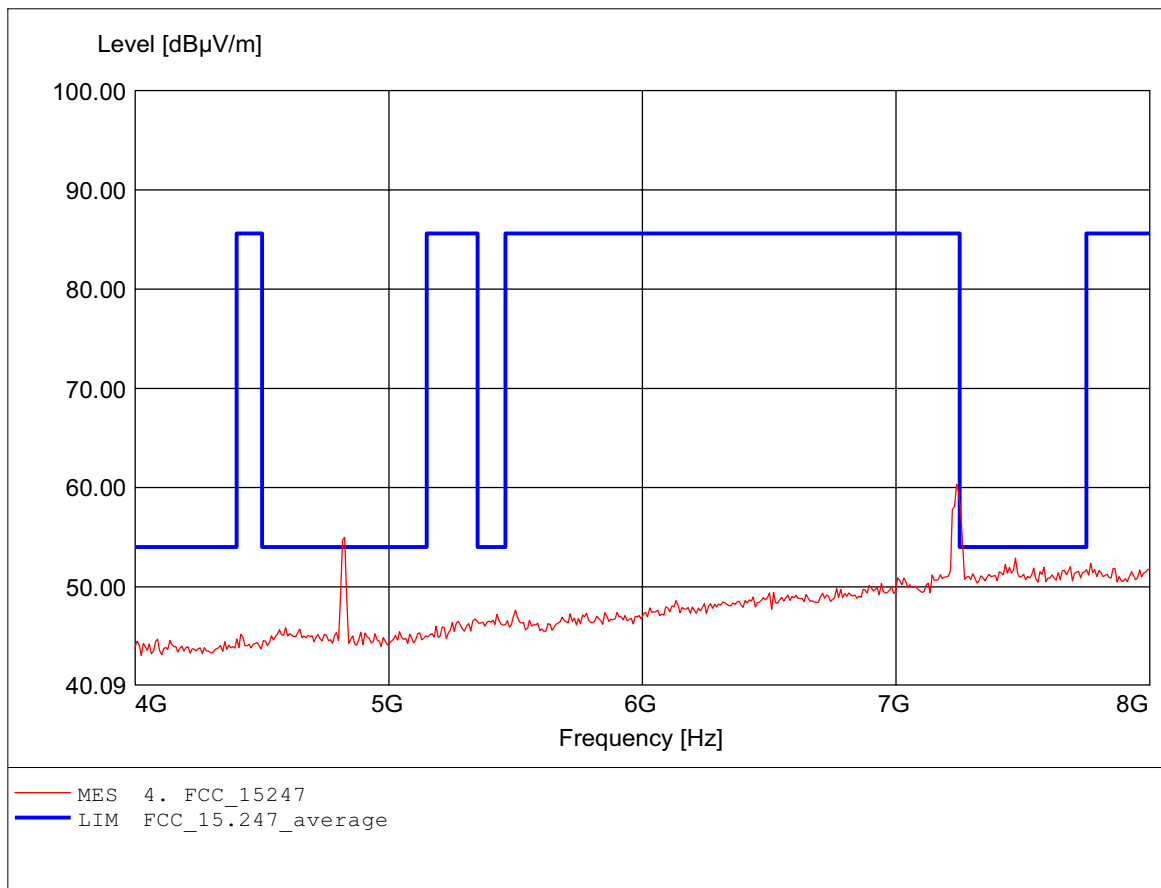
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 2.400GHz, Emax: 79.88dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

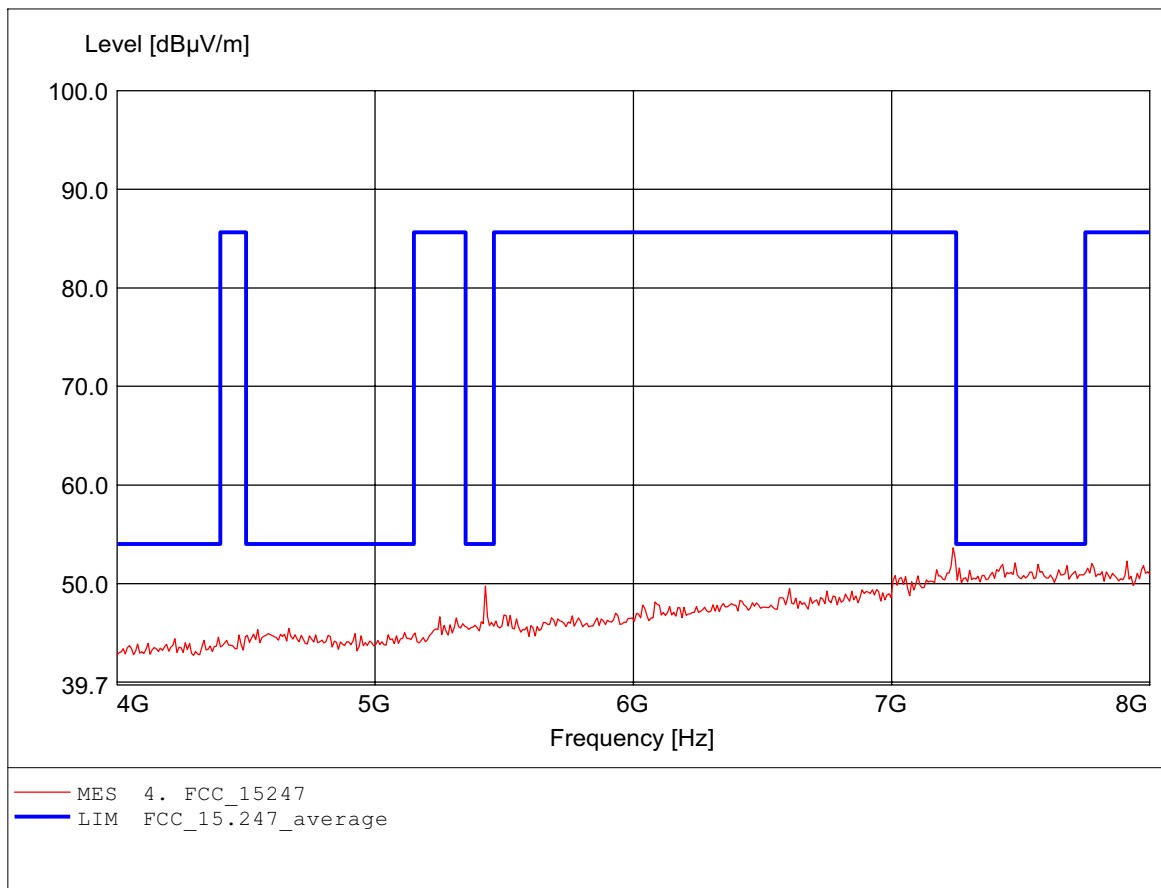
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.238GHz, Emax: 60.35dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

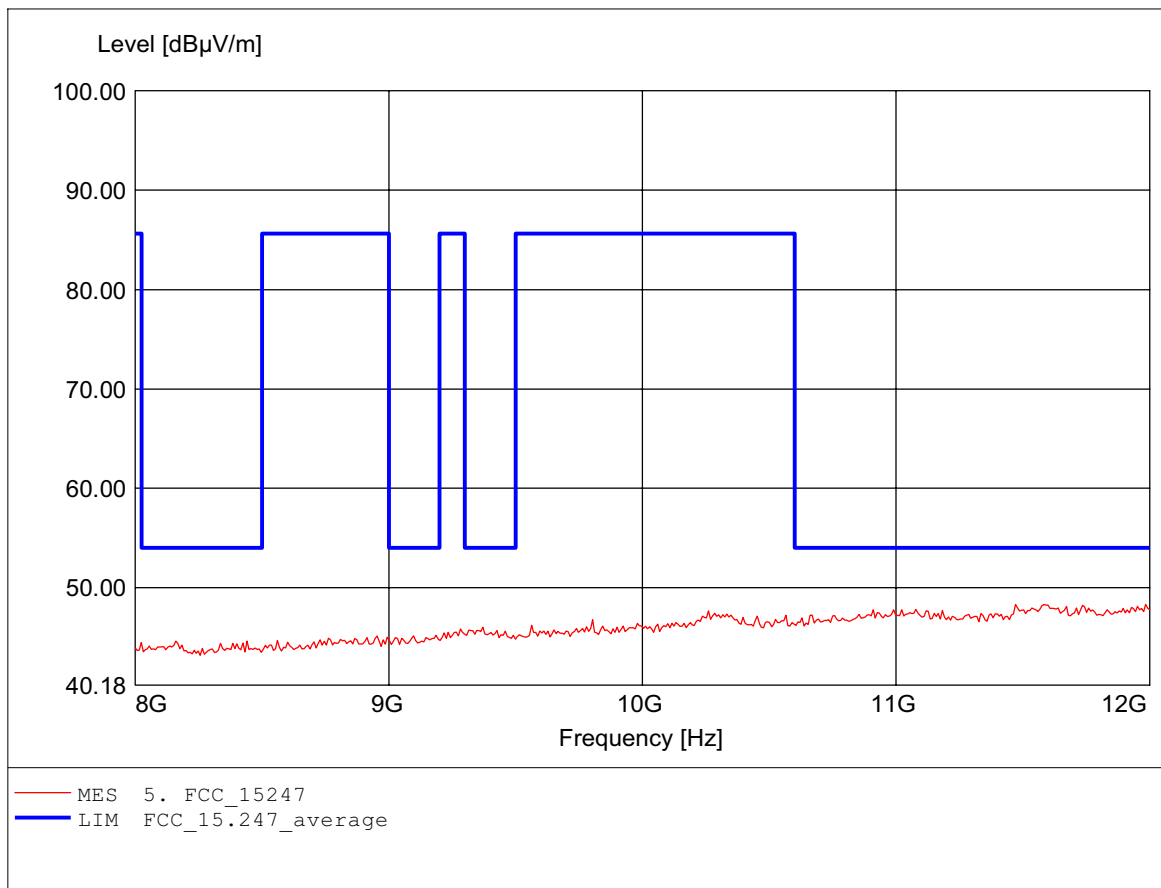
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.238GHz, Emax: 53.62dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

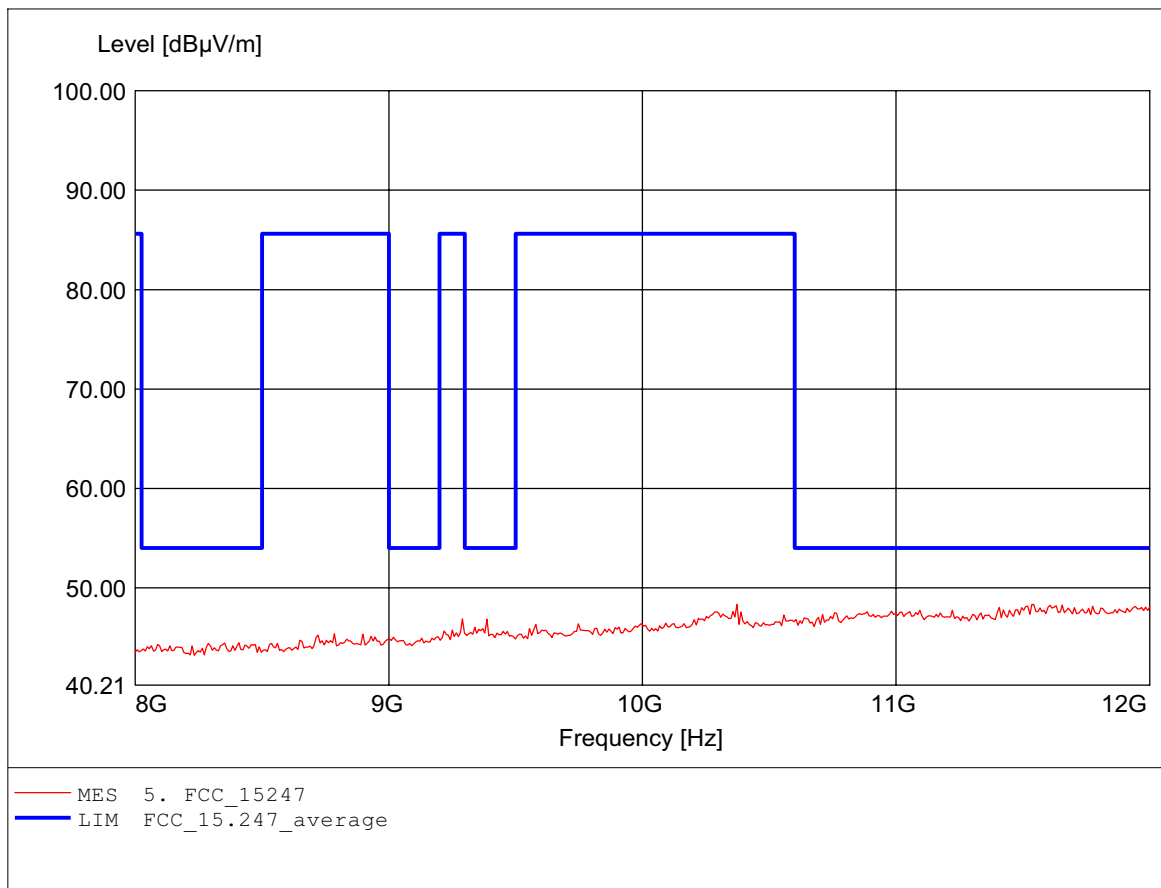
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.583GHz, Emax: 48.32dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

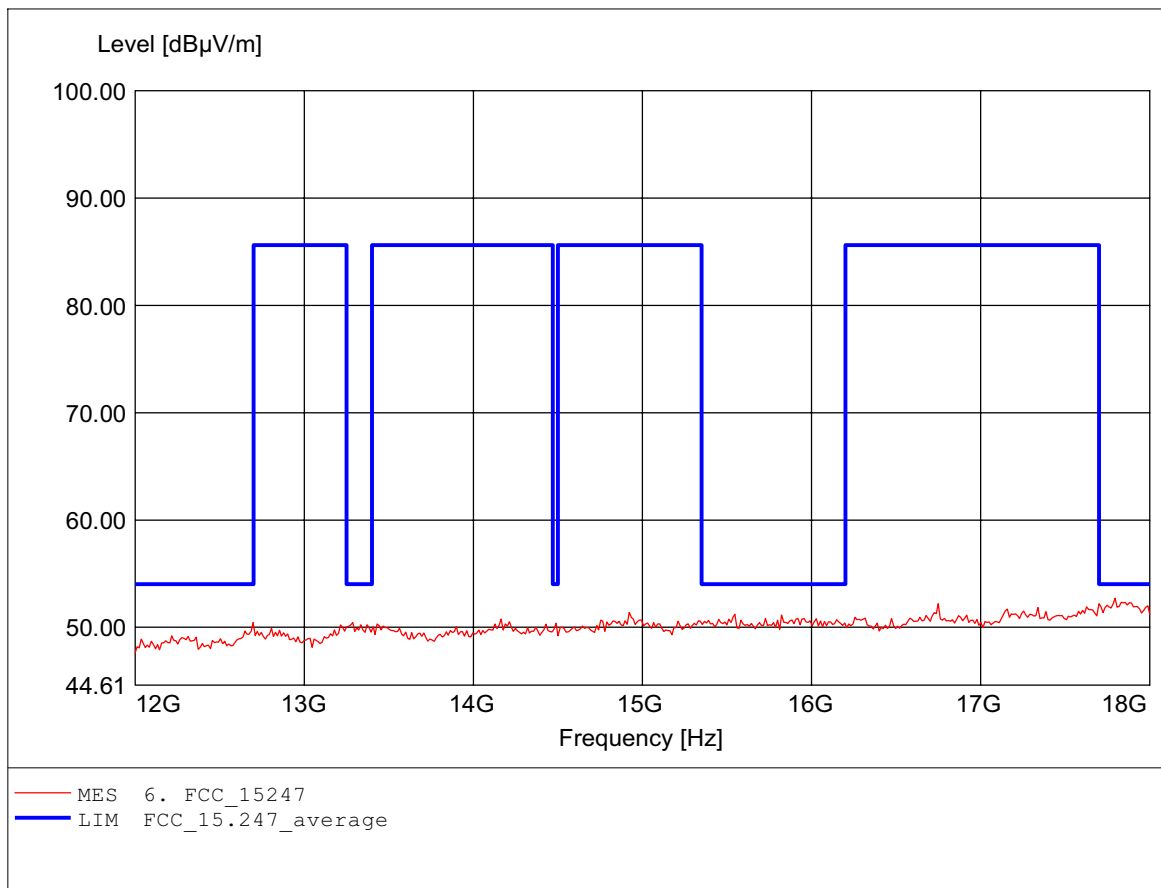
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.543GHz, Emax: 48.35dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

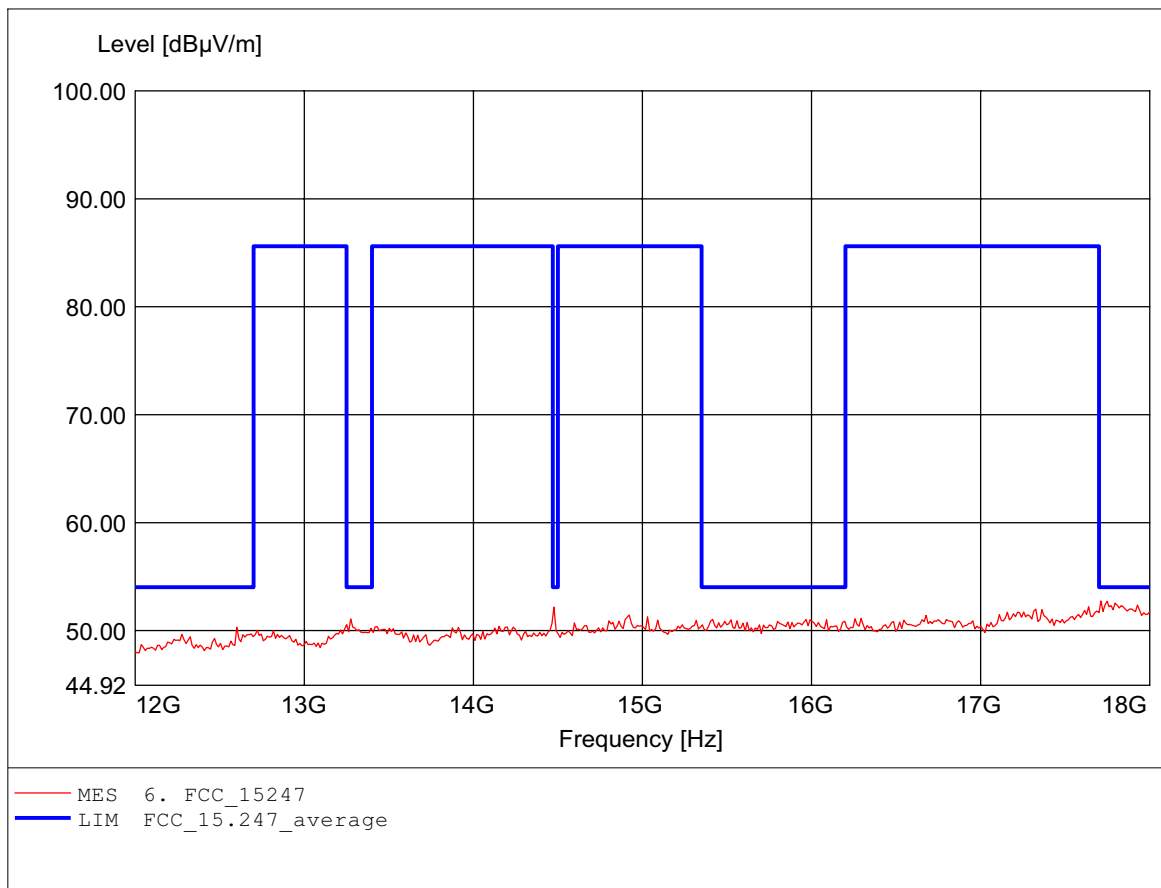
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.796GHz, Emax: 52.72dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

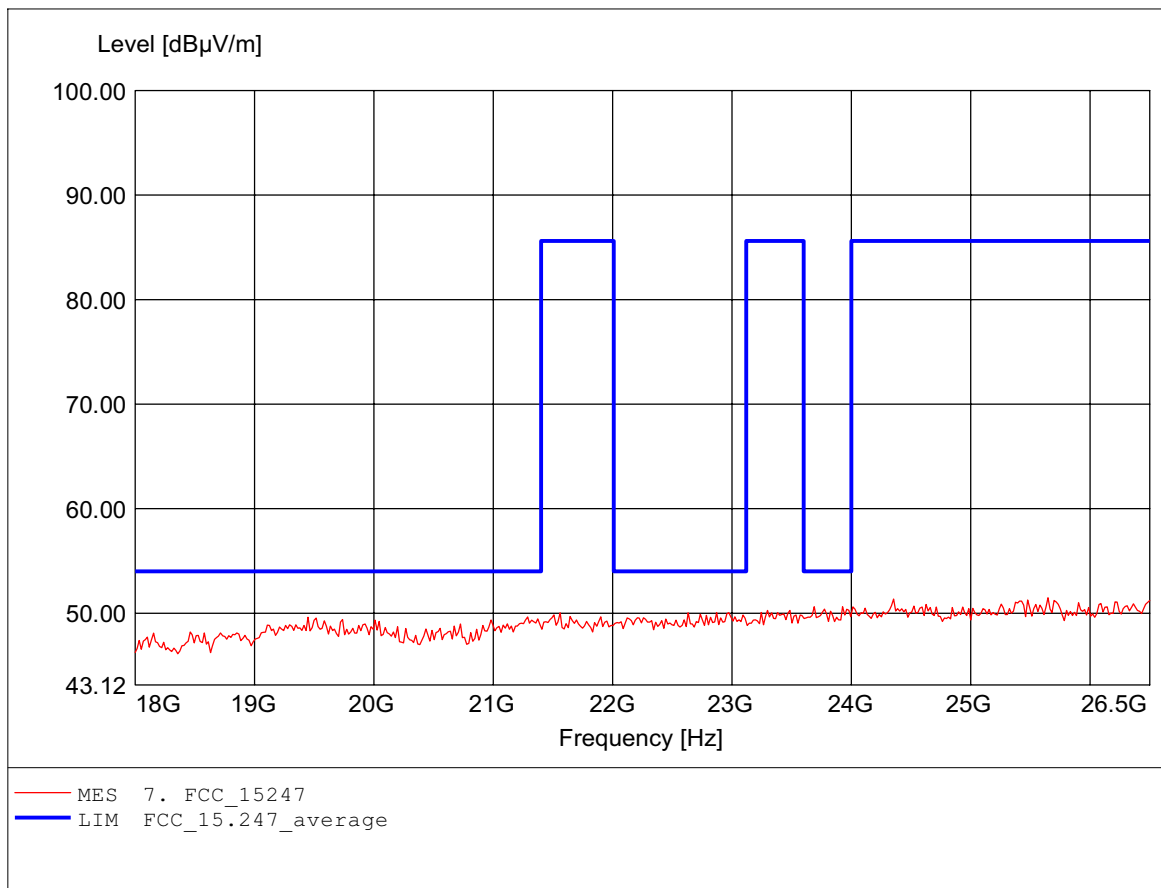
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.711GHz, Emax: 52.74dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

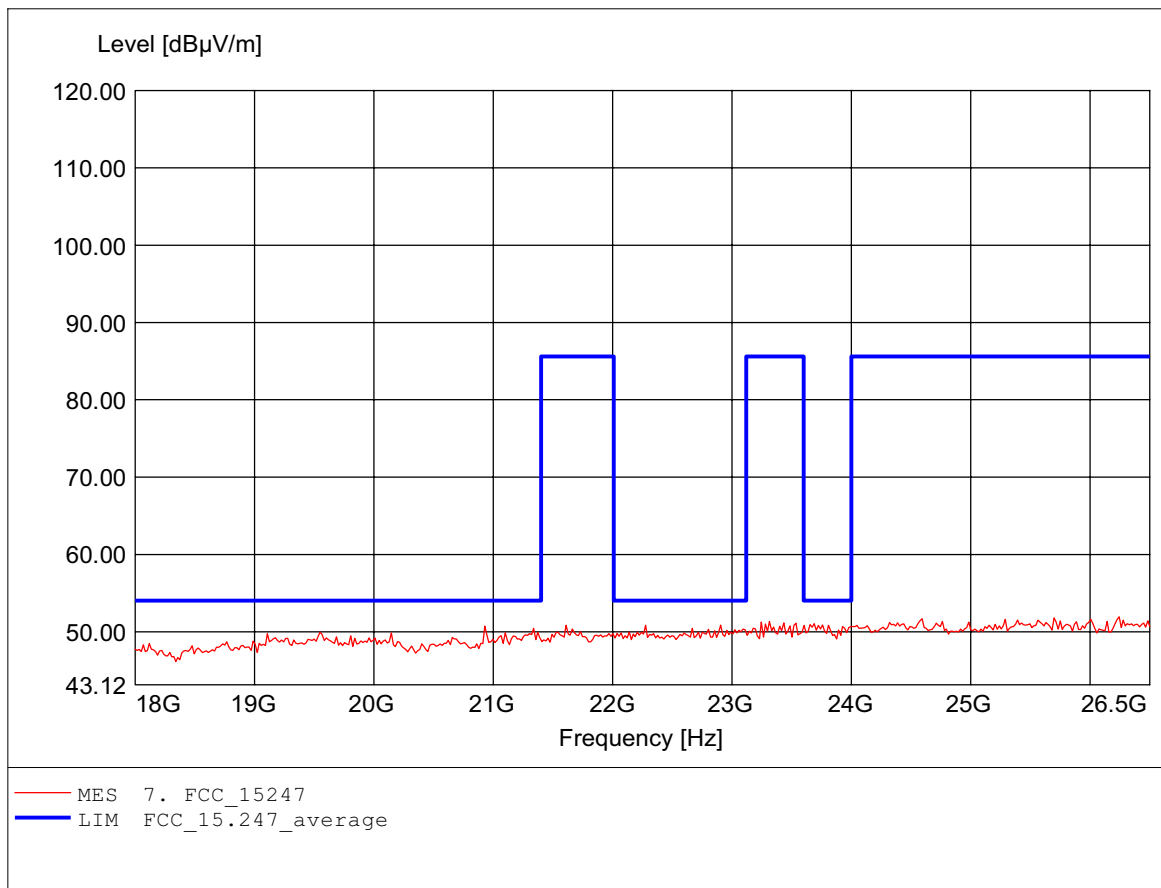
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 25.648GHz, Emax: 51.46dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

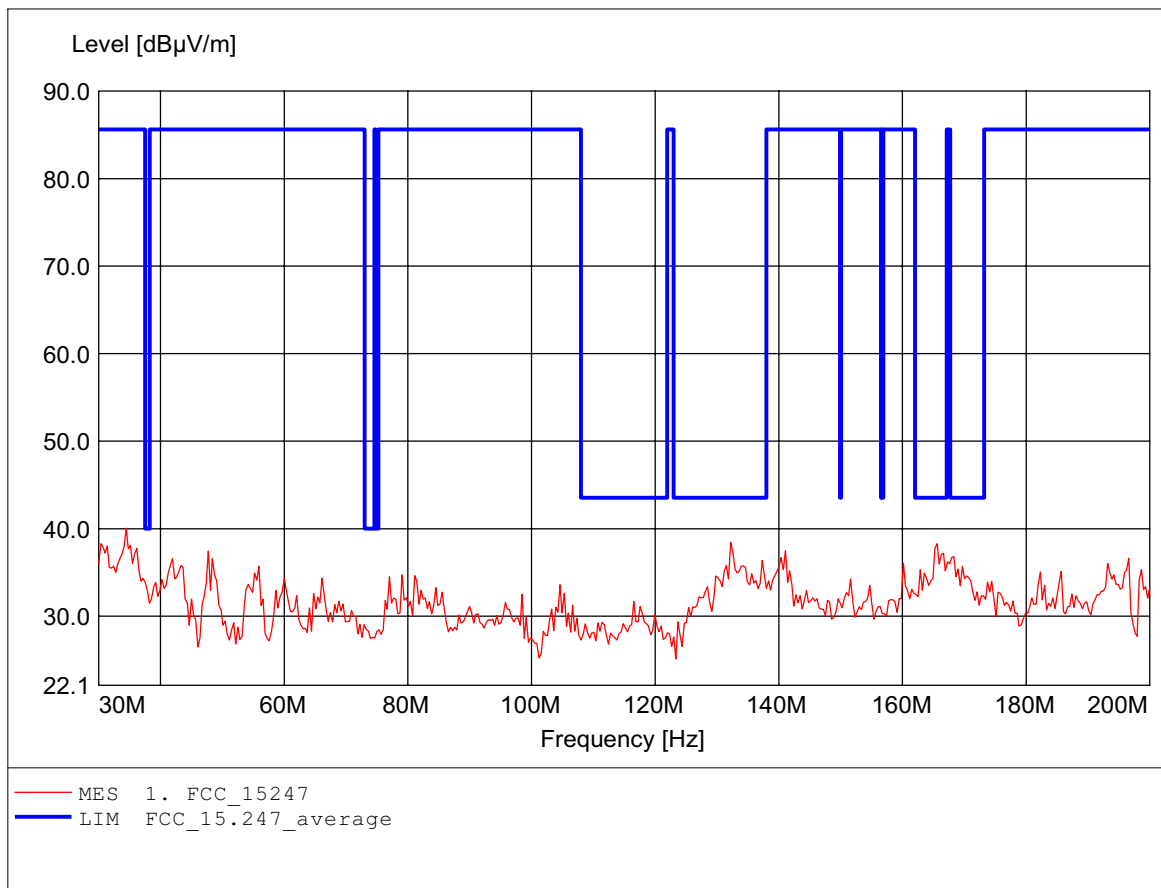
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.244GHz, Emax: 51.93dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

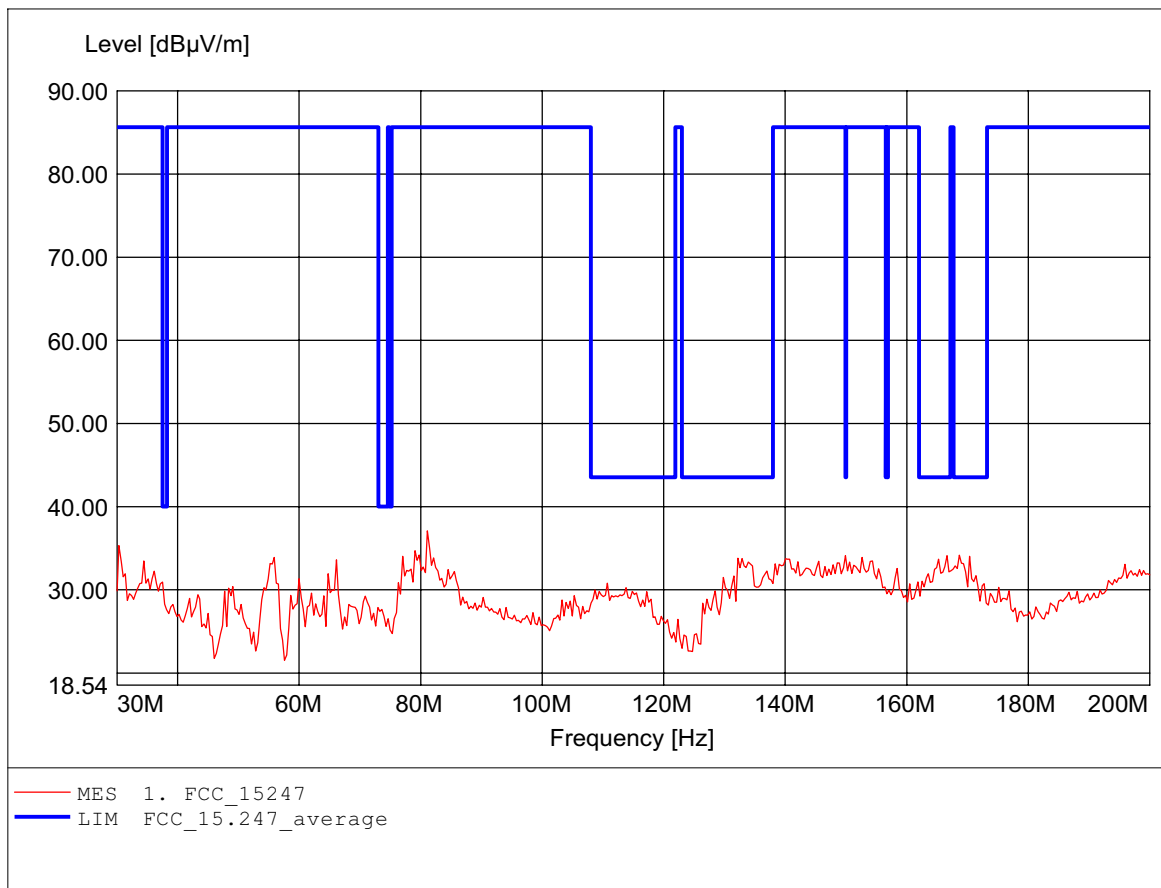
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 34.429MHz, Emax: 40.07dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

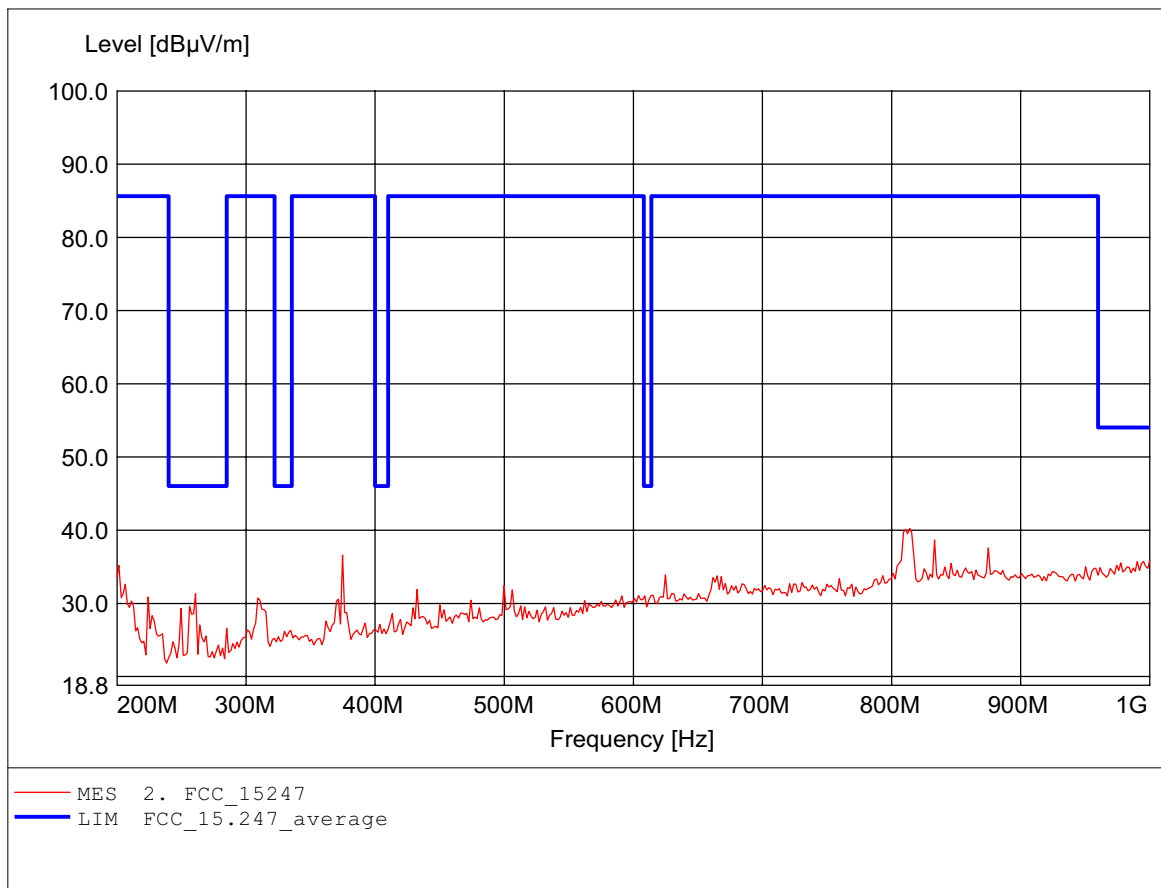
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 81.102MHz, Emax: 37.10dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

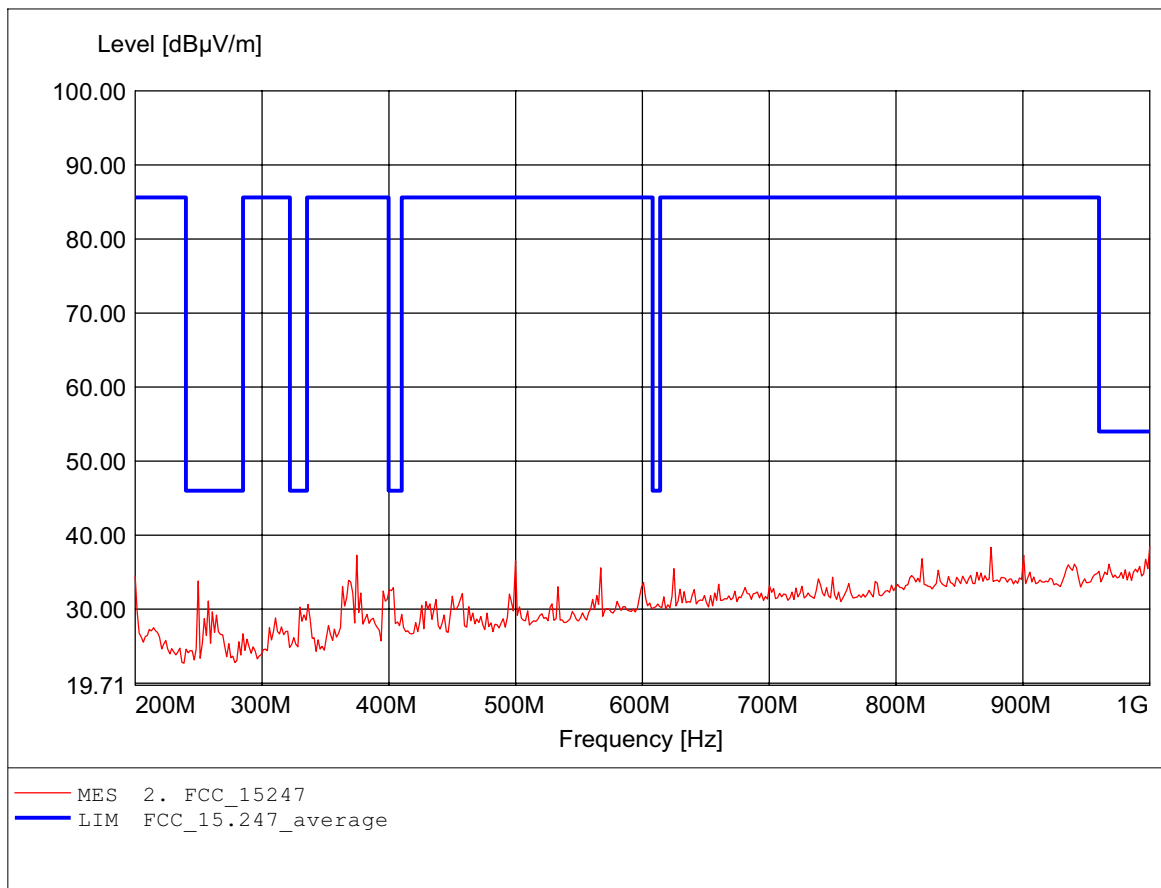
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223,
Freq: 814.028MHz, Emax: 40.22dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

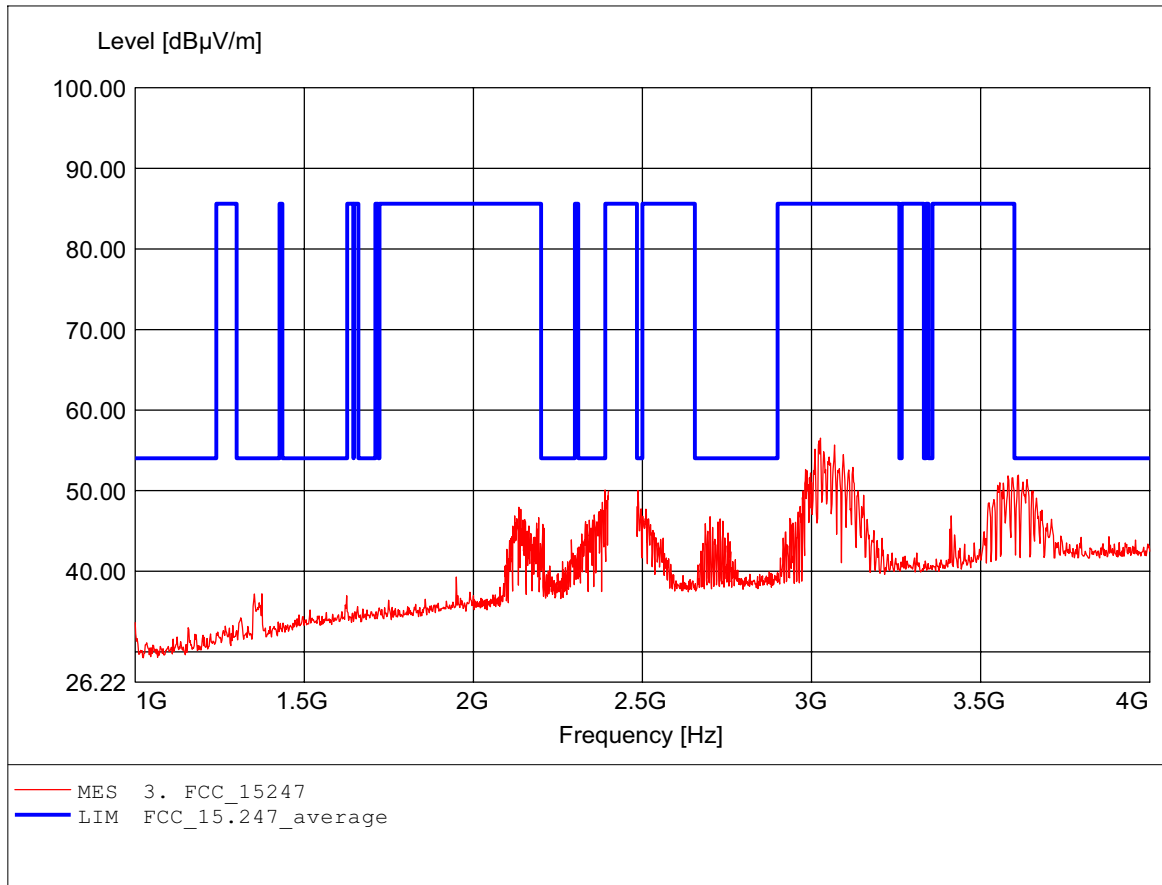
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223,
Freq: 1.000GHz, Emax: 38.49dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

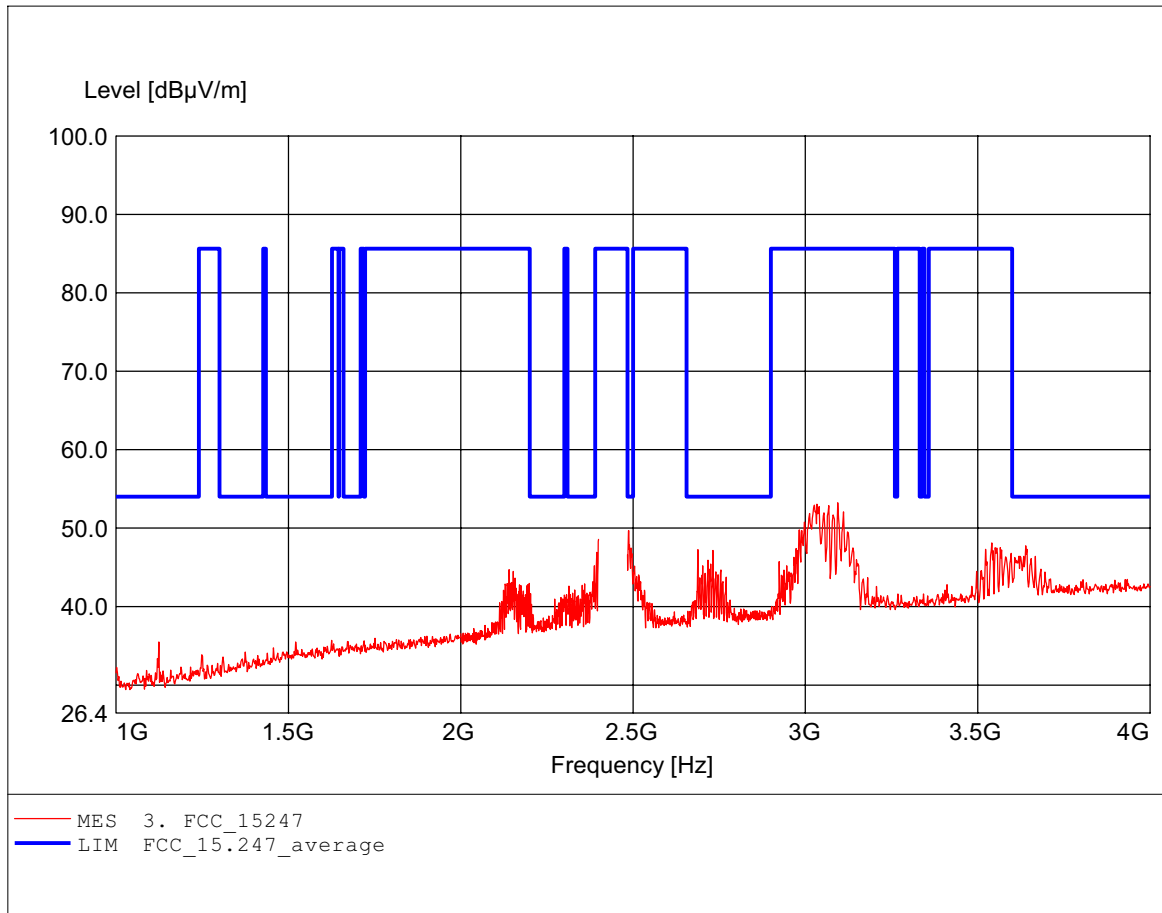
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.026GHz, Emax: 56.53dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

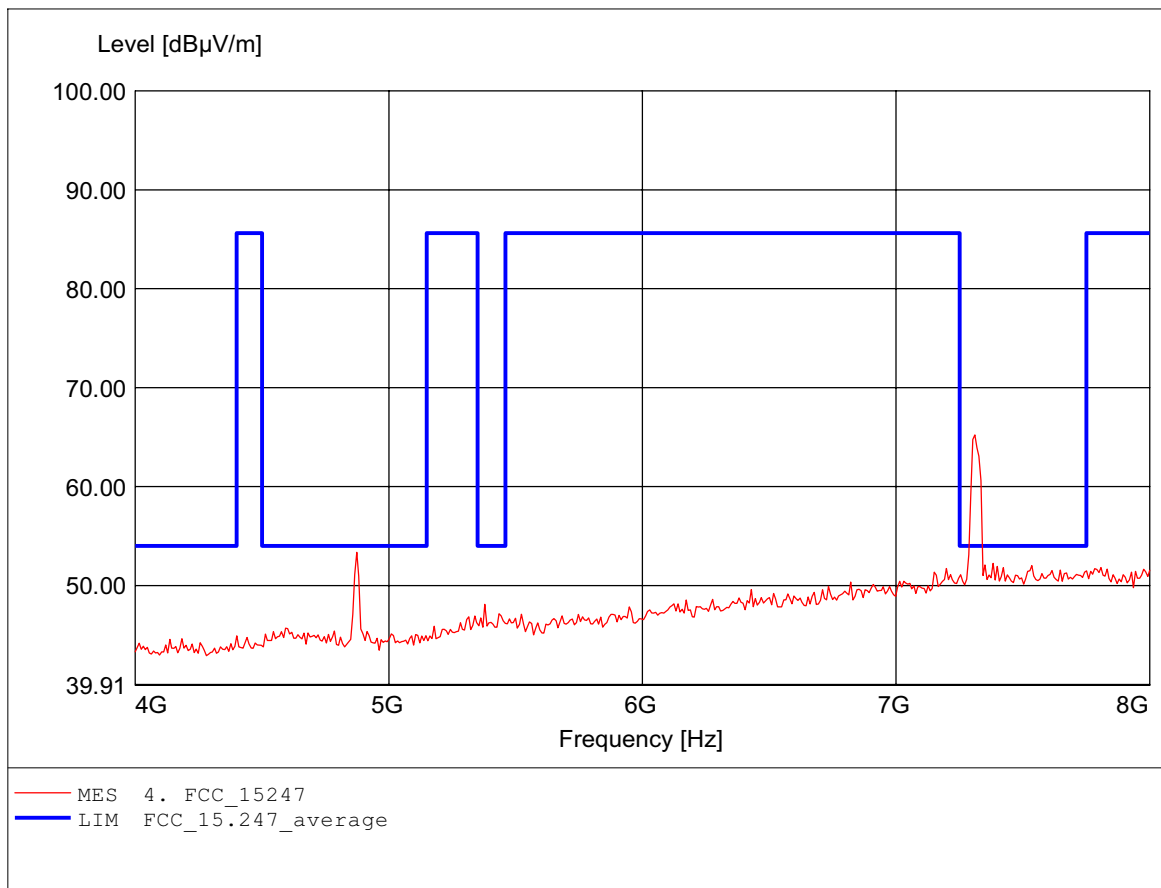
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.094GHz, Emax: 53.23dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

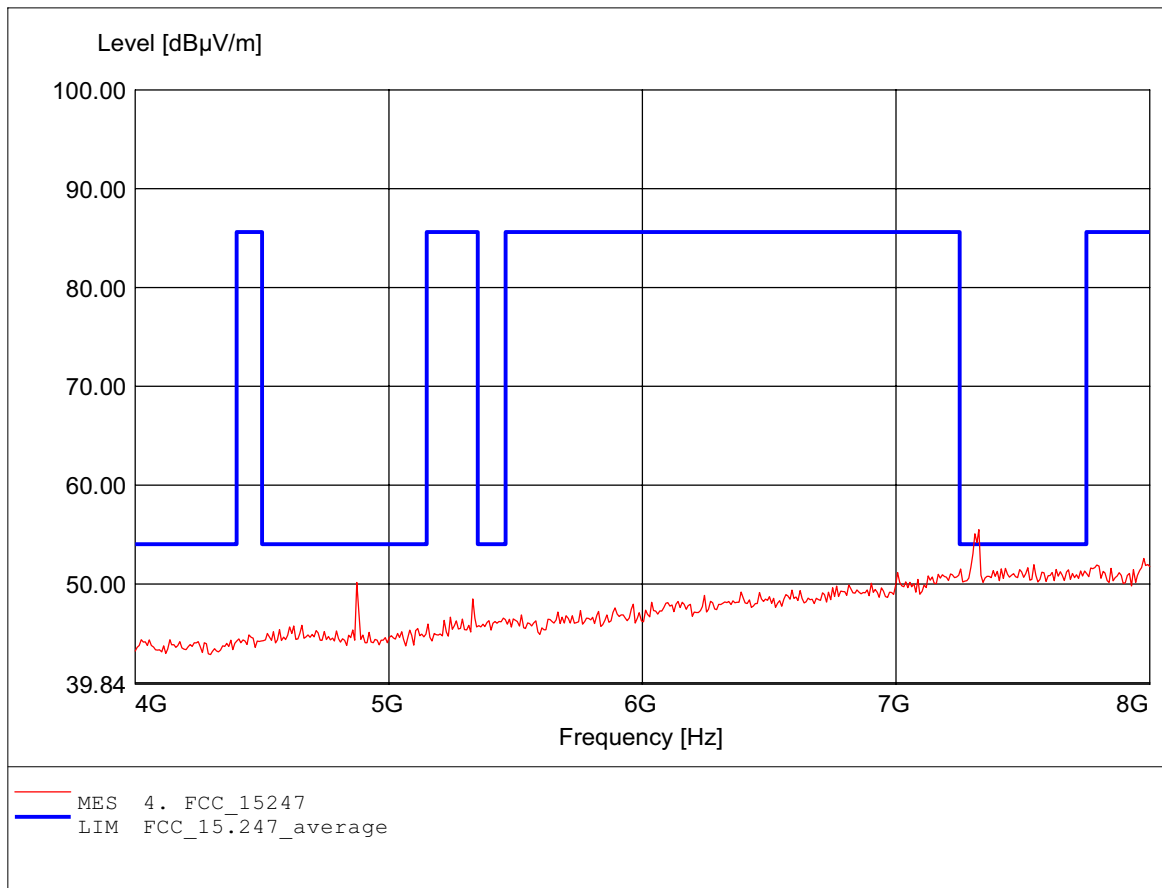
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.311GHz, Emax: 65.22dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

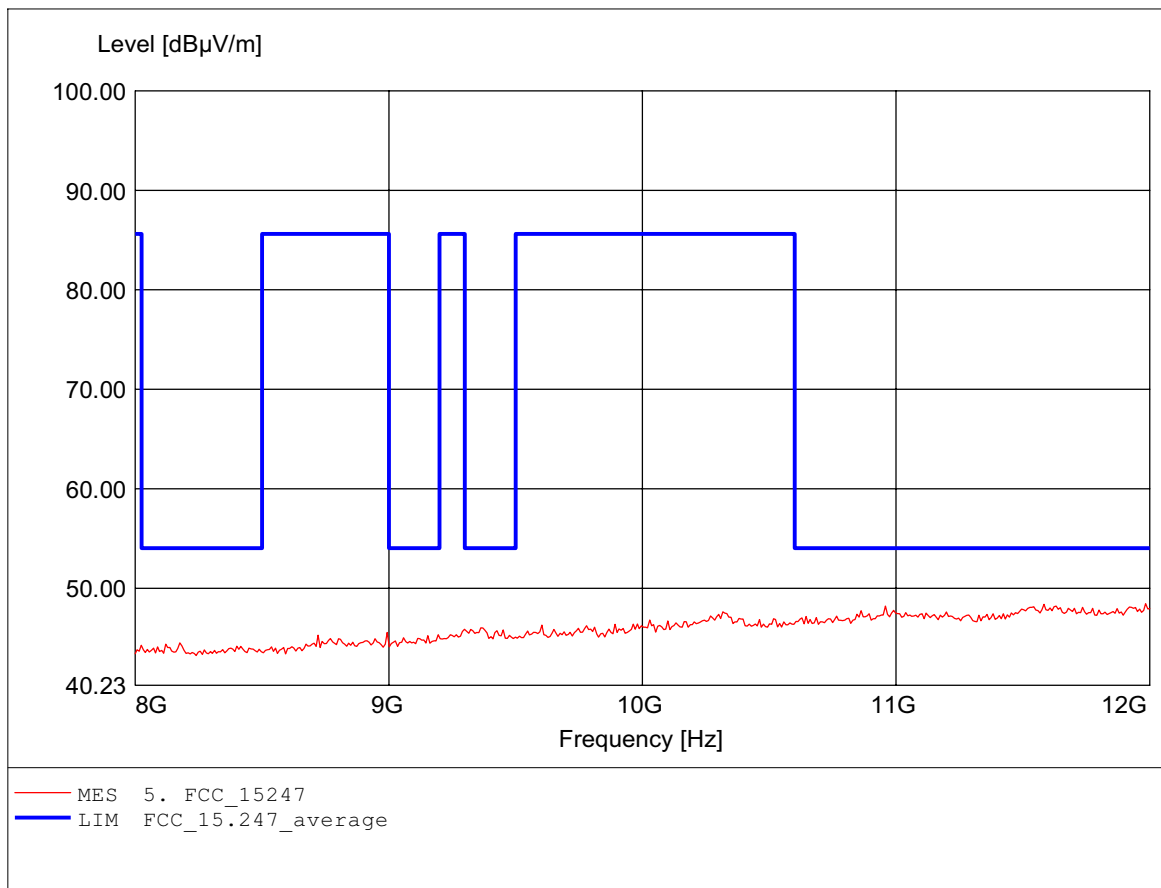
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.327GHz, Emax: 55.50dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

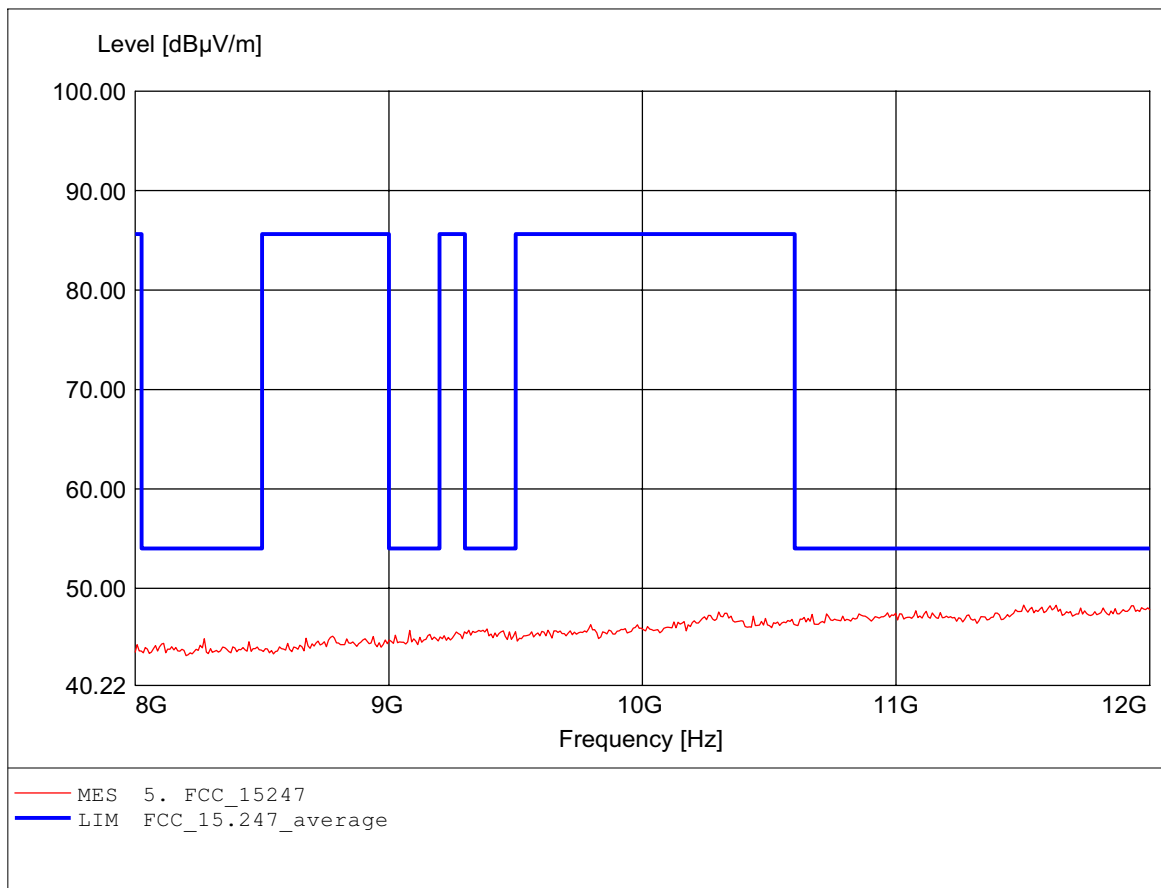
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 10.525GHz, Emax: 53.85dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

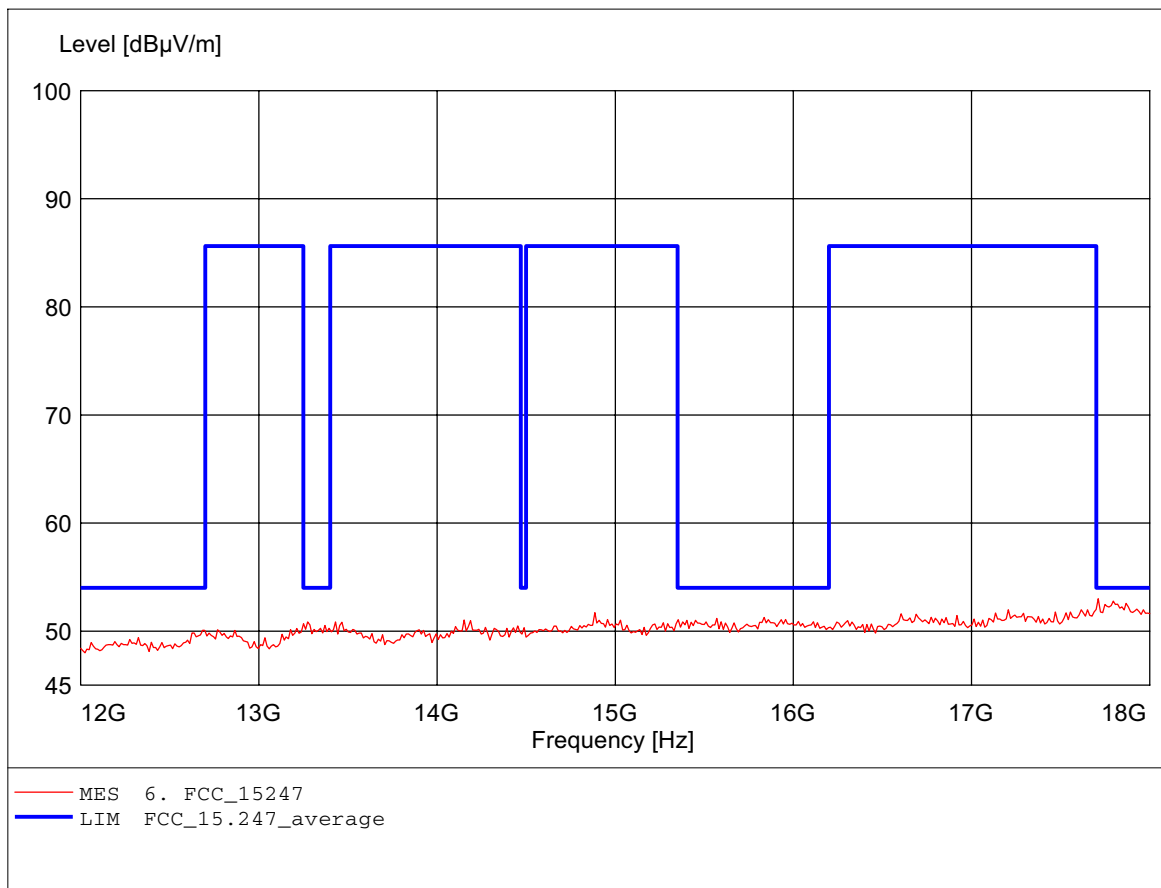
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.503GHz, Emax: 48.31dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

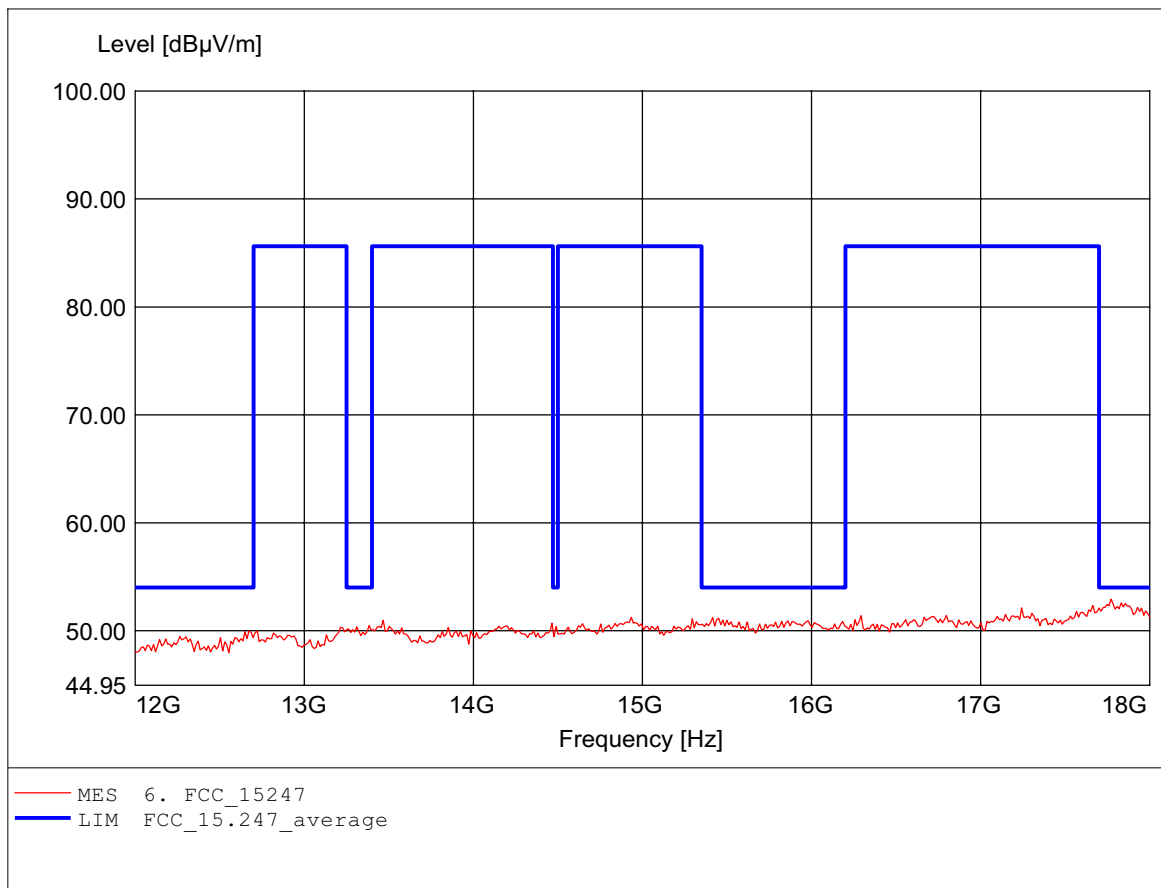
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.711GHz, Emax: 53.00dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

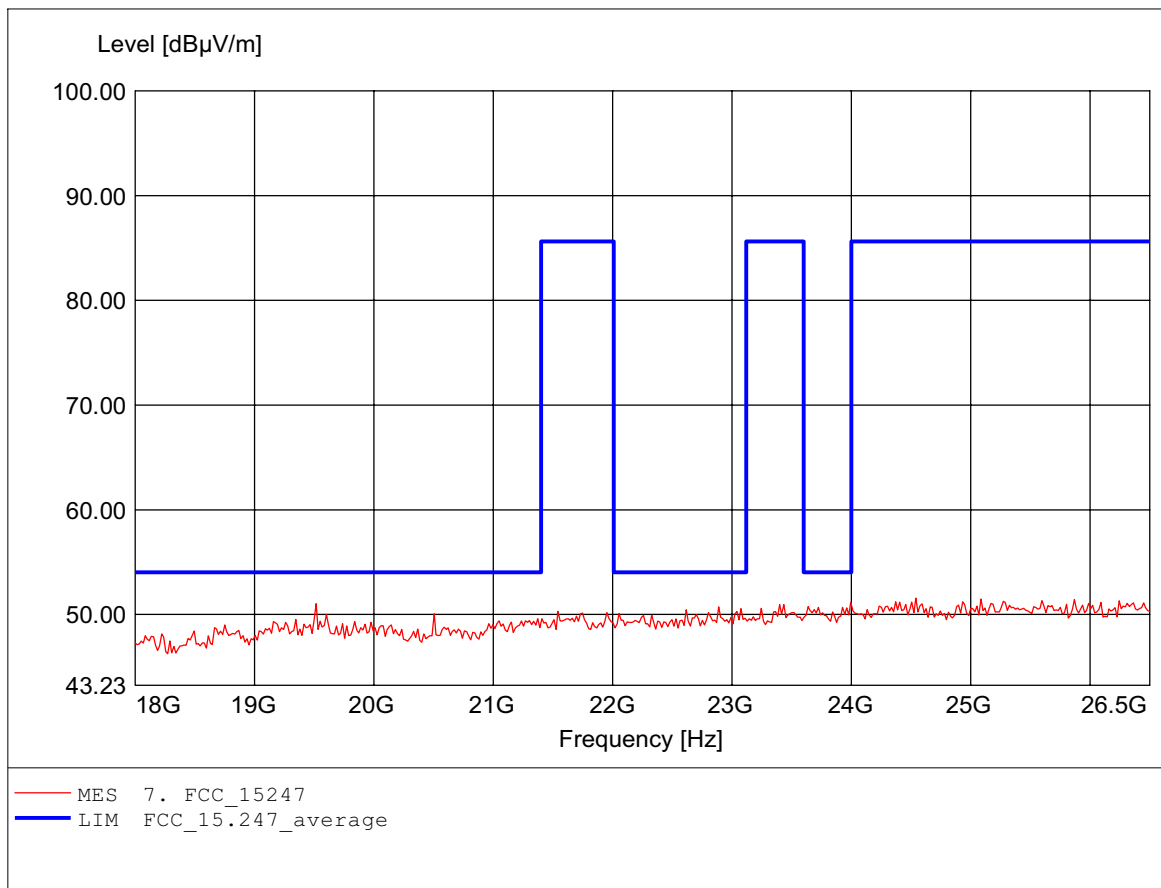
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.772GHz, Emax: 52.94dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

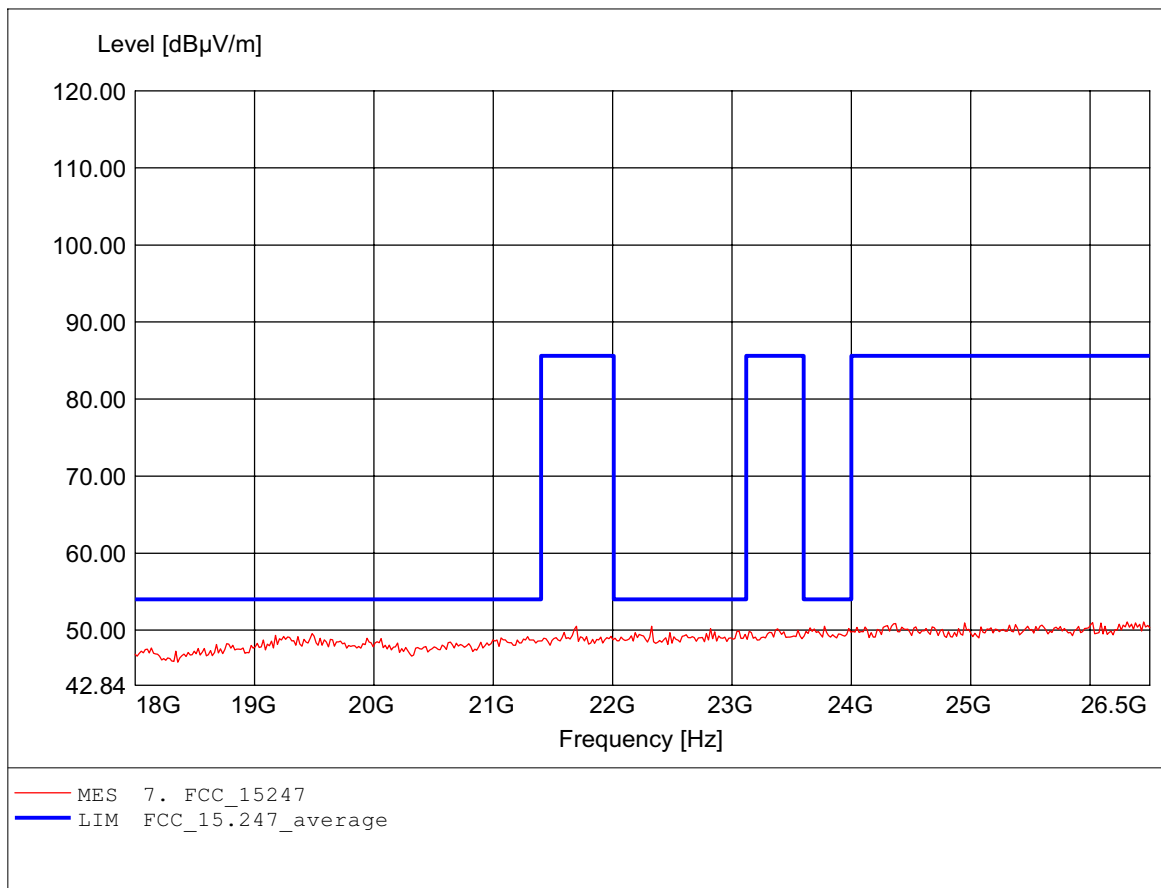
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 24.541GHz, Emax: 51.56dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

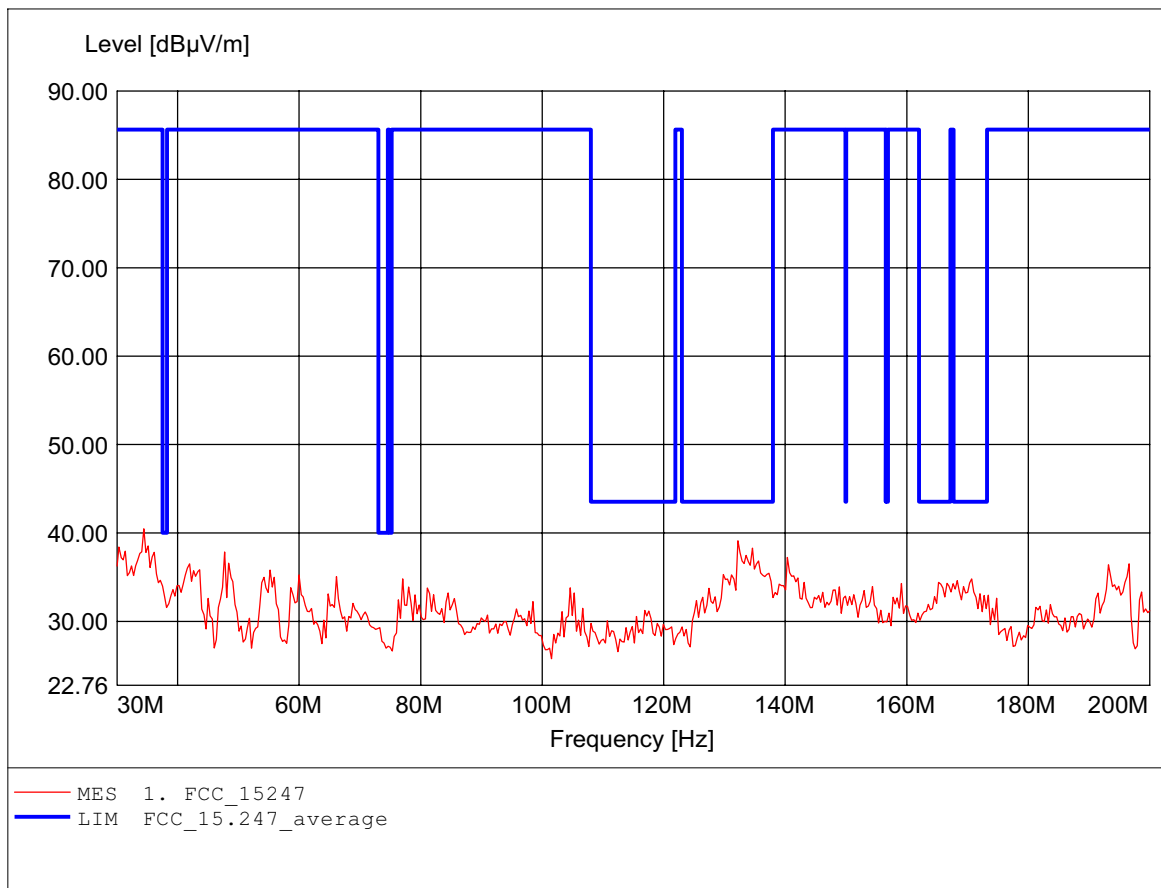
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.313GHz, Emax: 51.10dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

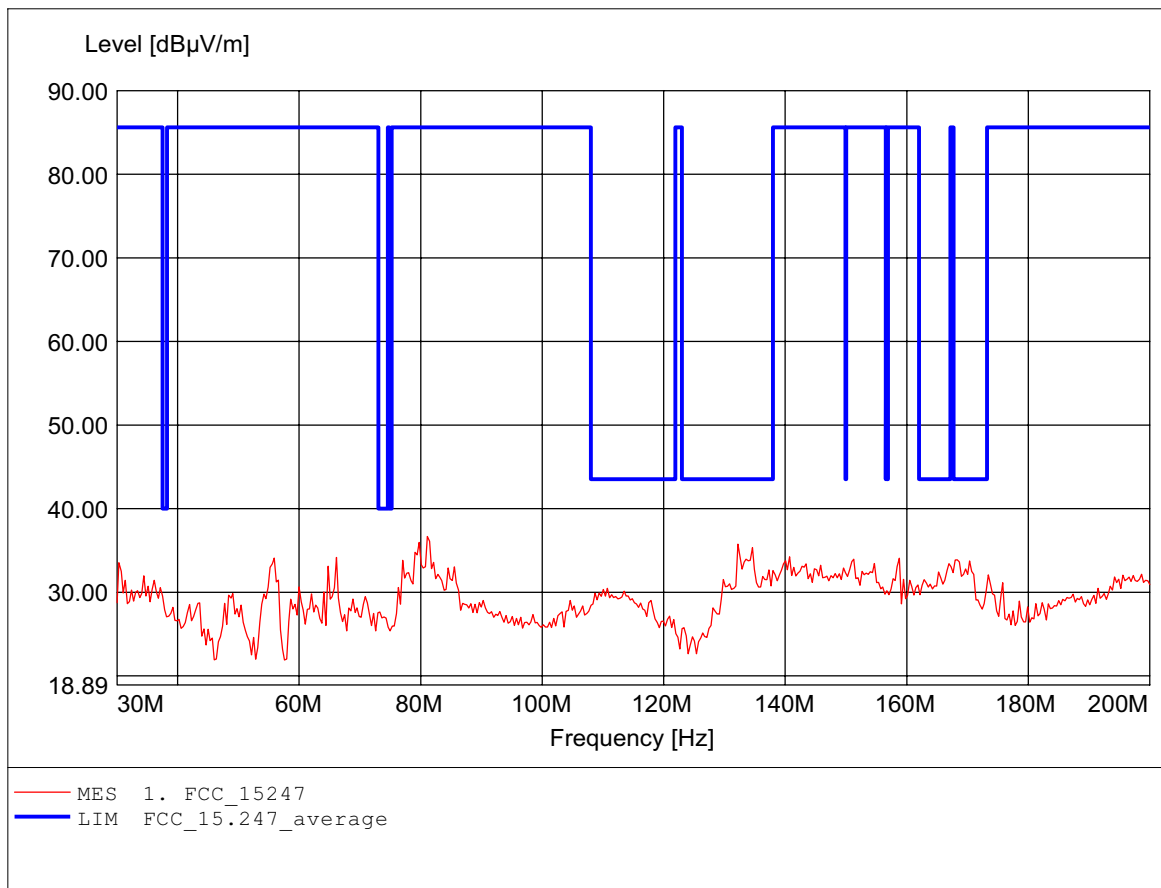
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 34.429MHz, Emax: 40.47dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

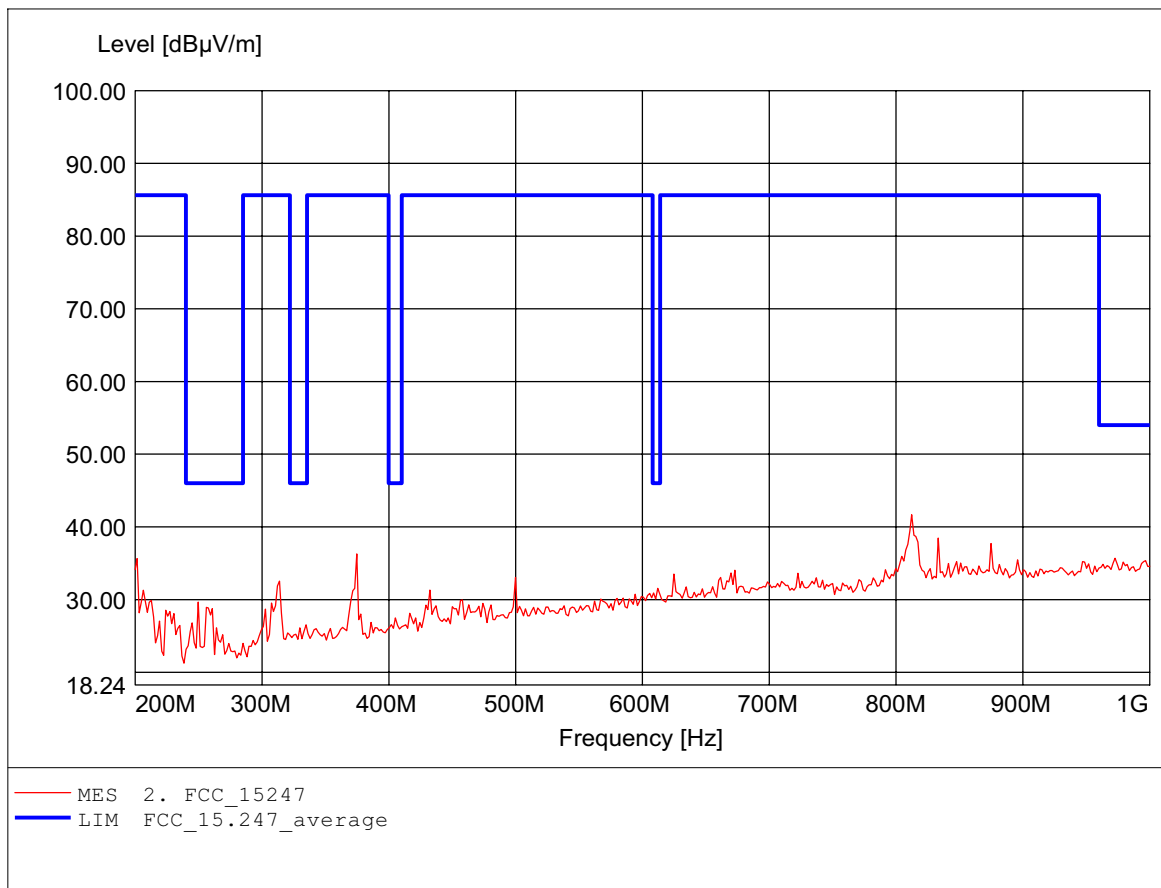
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 81.102MHz, Emax: 36.69dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

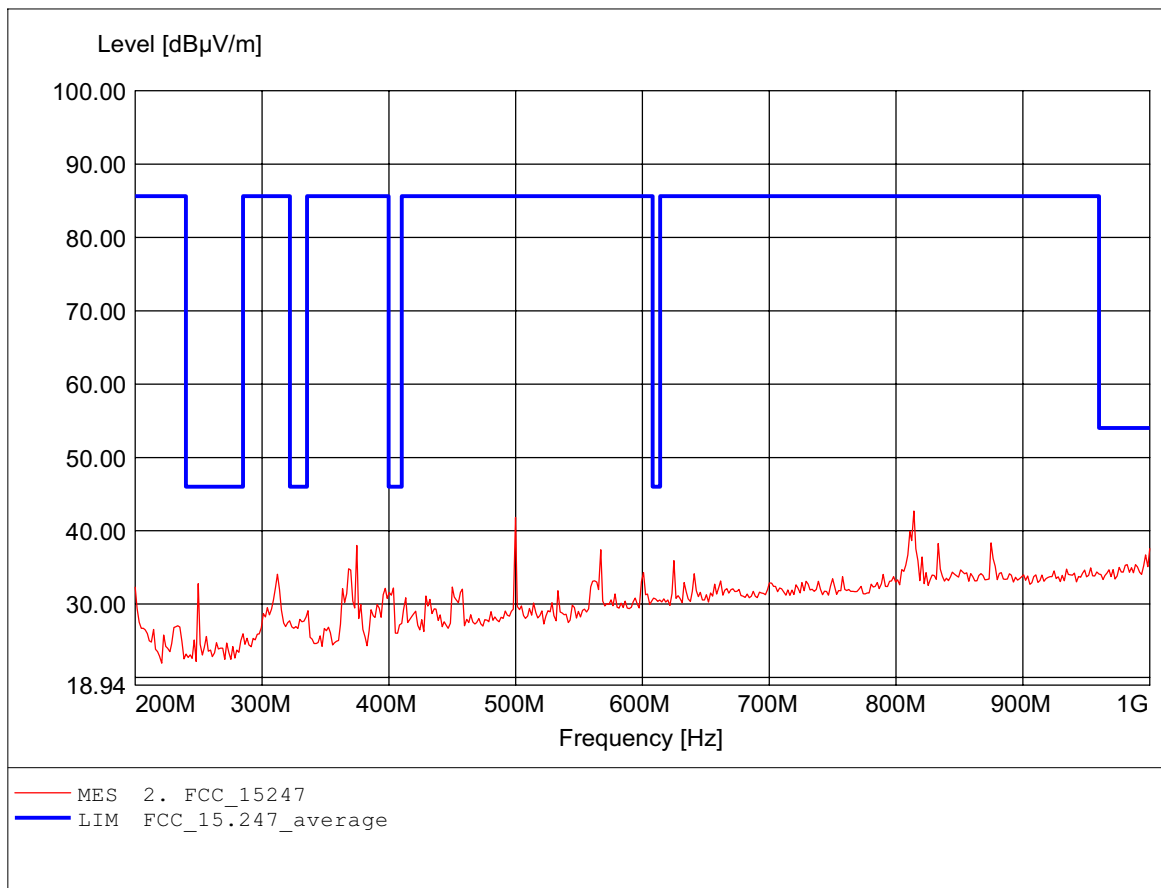
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223,
Freq: 812.425MHz, Emax: 41.68dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

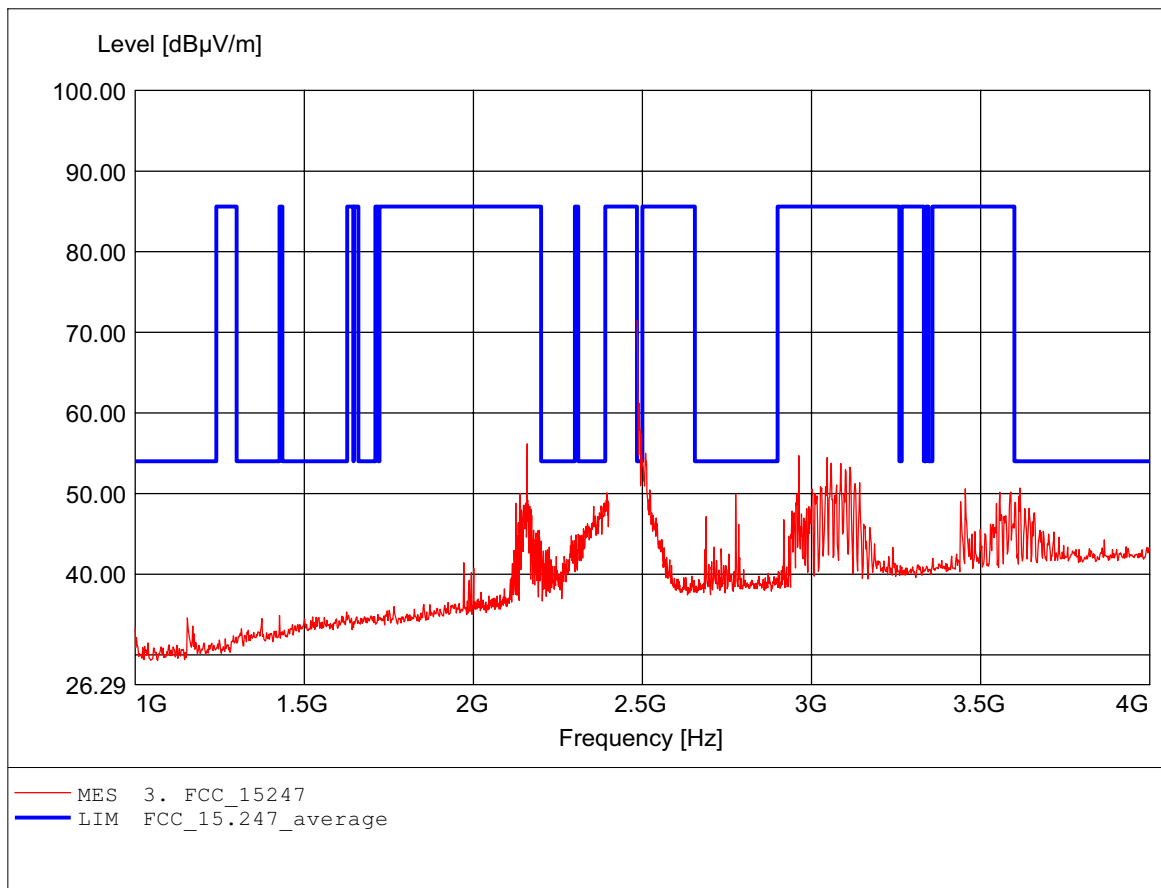
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223,
Freq: 814.028MHz, Emax: 42.72dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

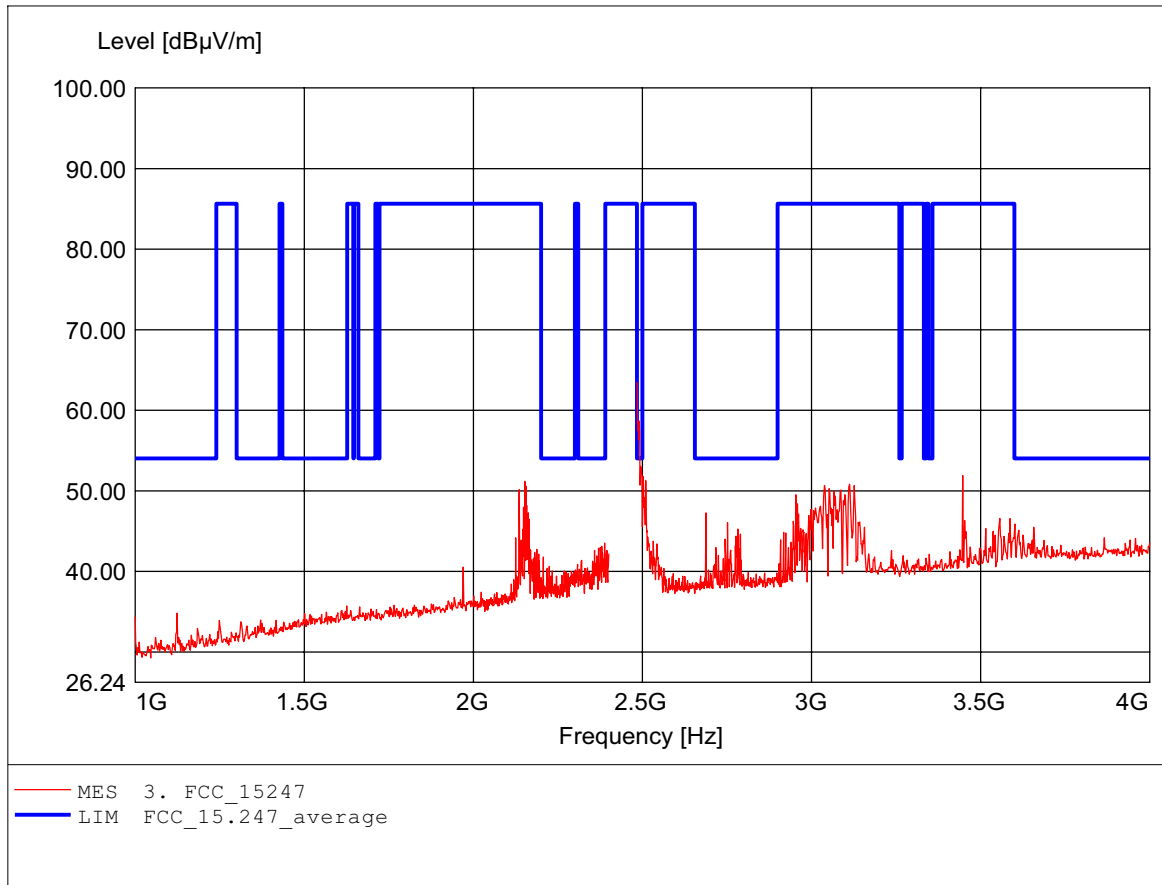
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 2.484GHz, Emax: 71.48dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

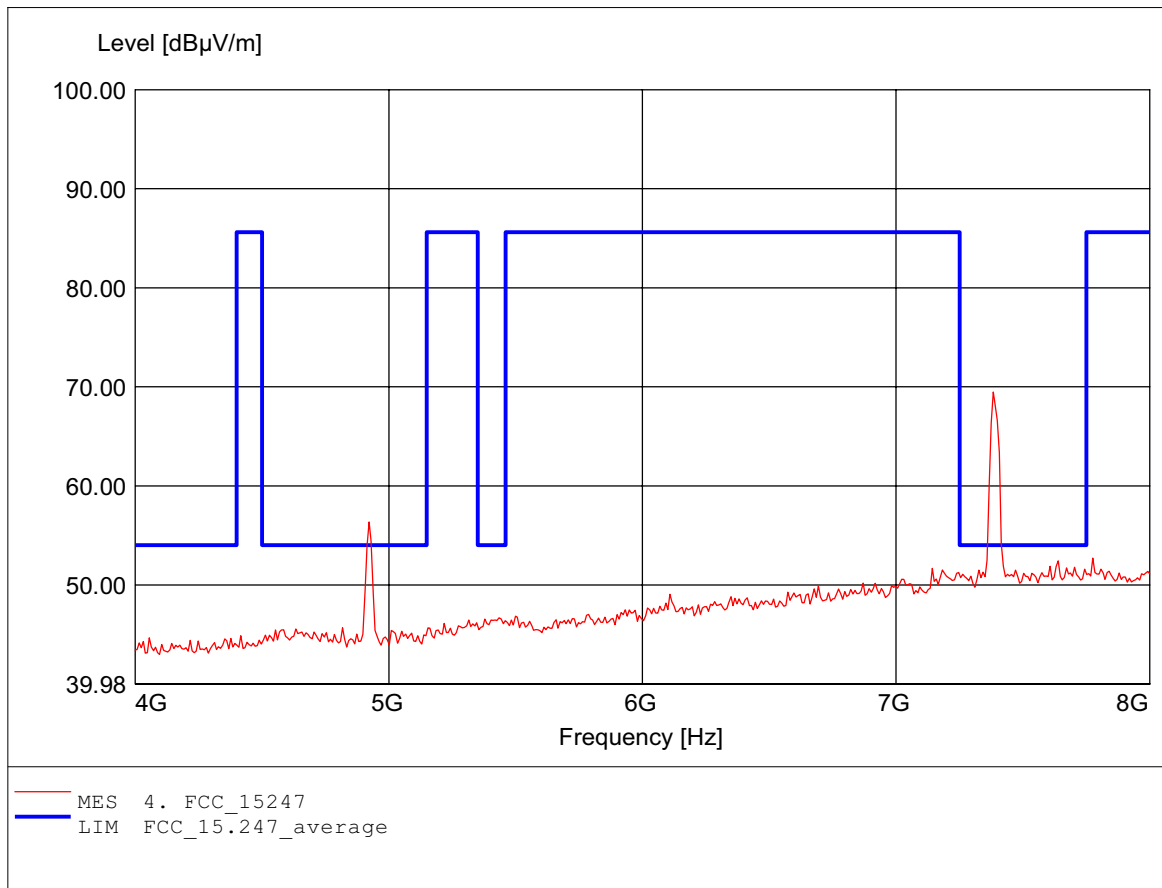
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 2.484GHz, Emax: 63.45dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

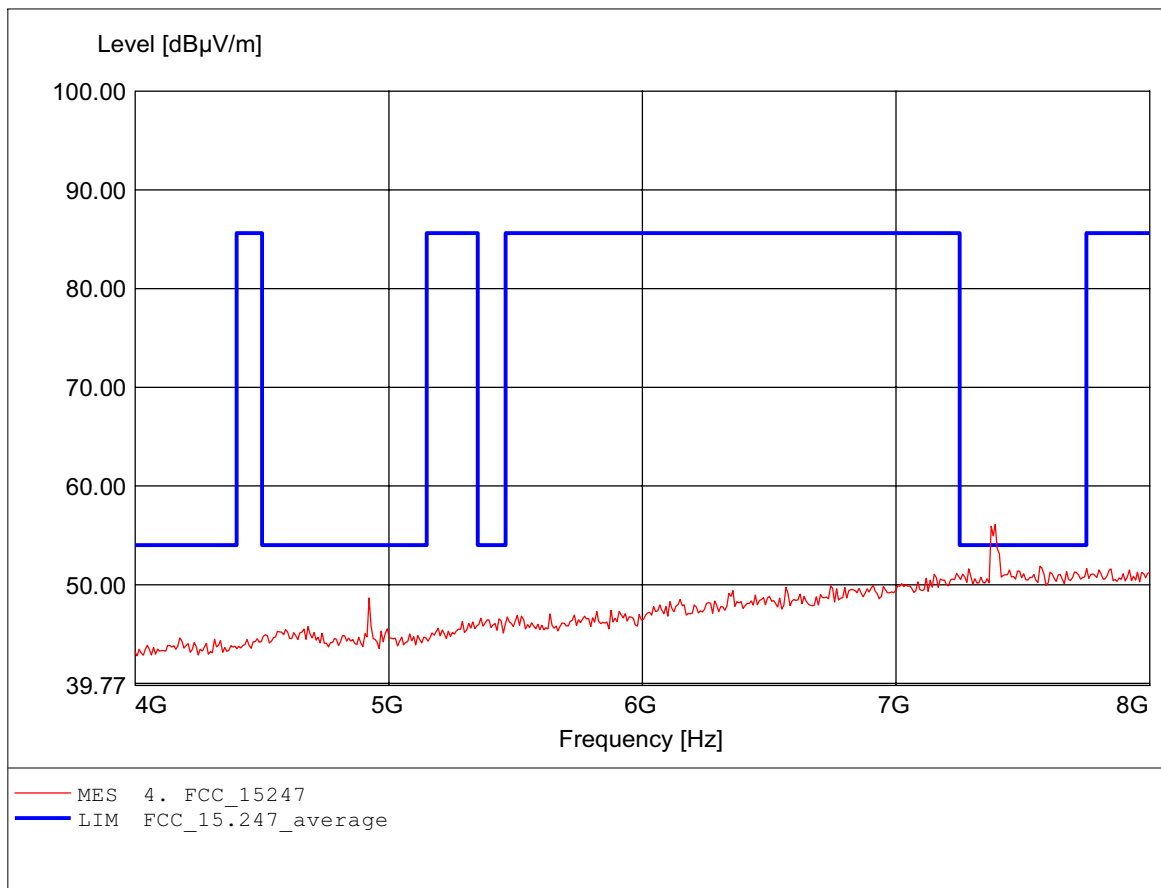
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.383GHz, Emax: 69.46dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

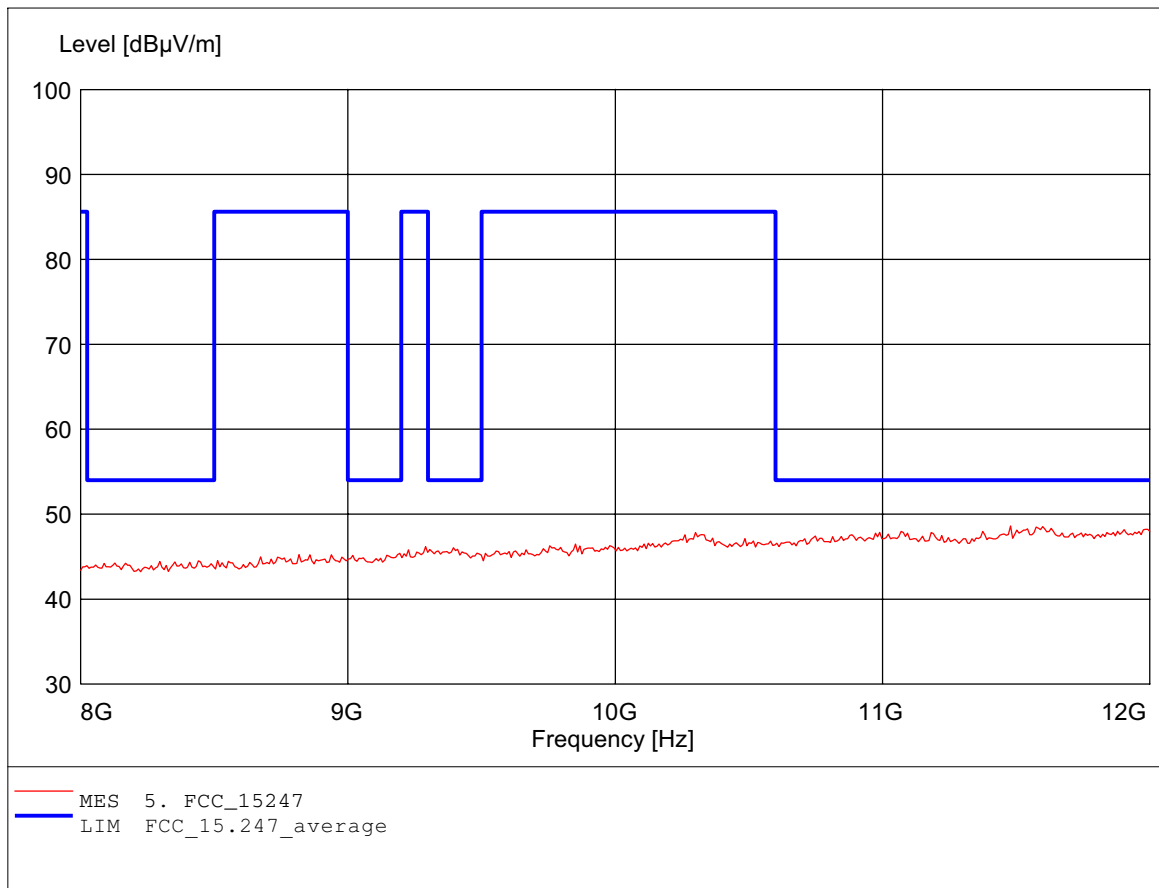
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.391GHz, Emax: 56.09dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

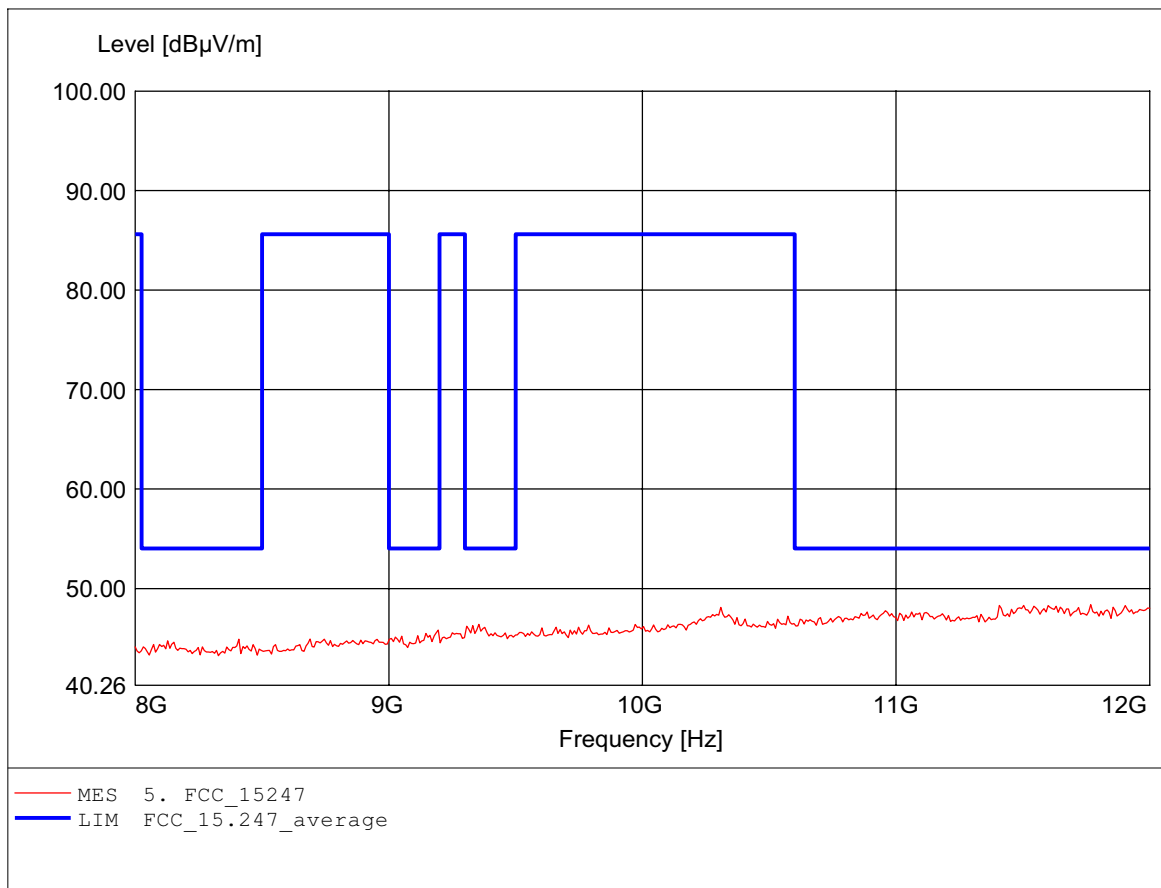
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.848GHz, Emax: 48.59dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

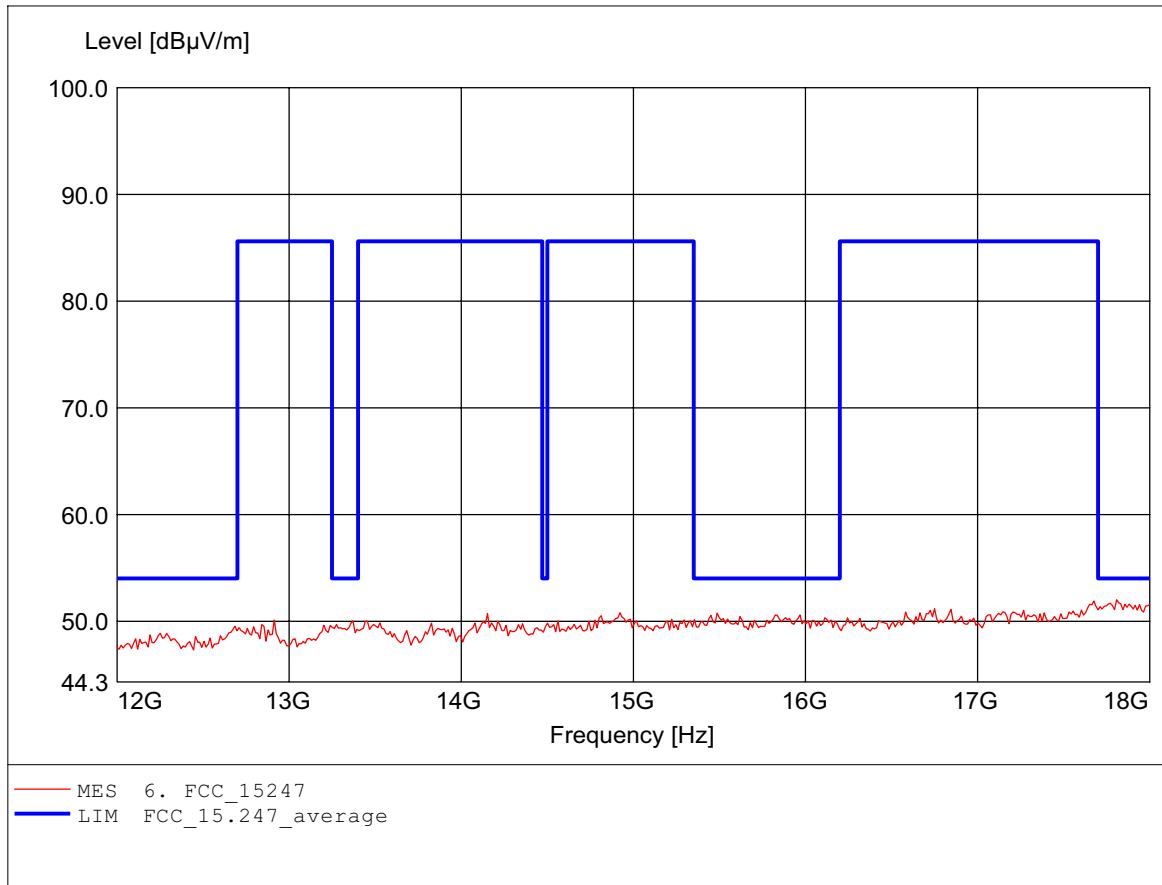
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.768GHz, Emax: 48.39dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

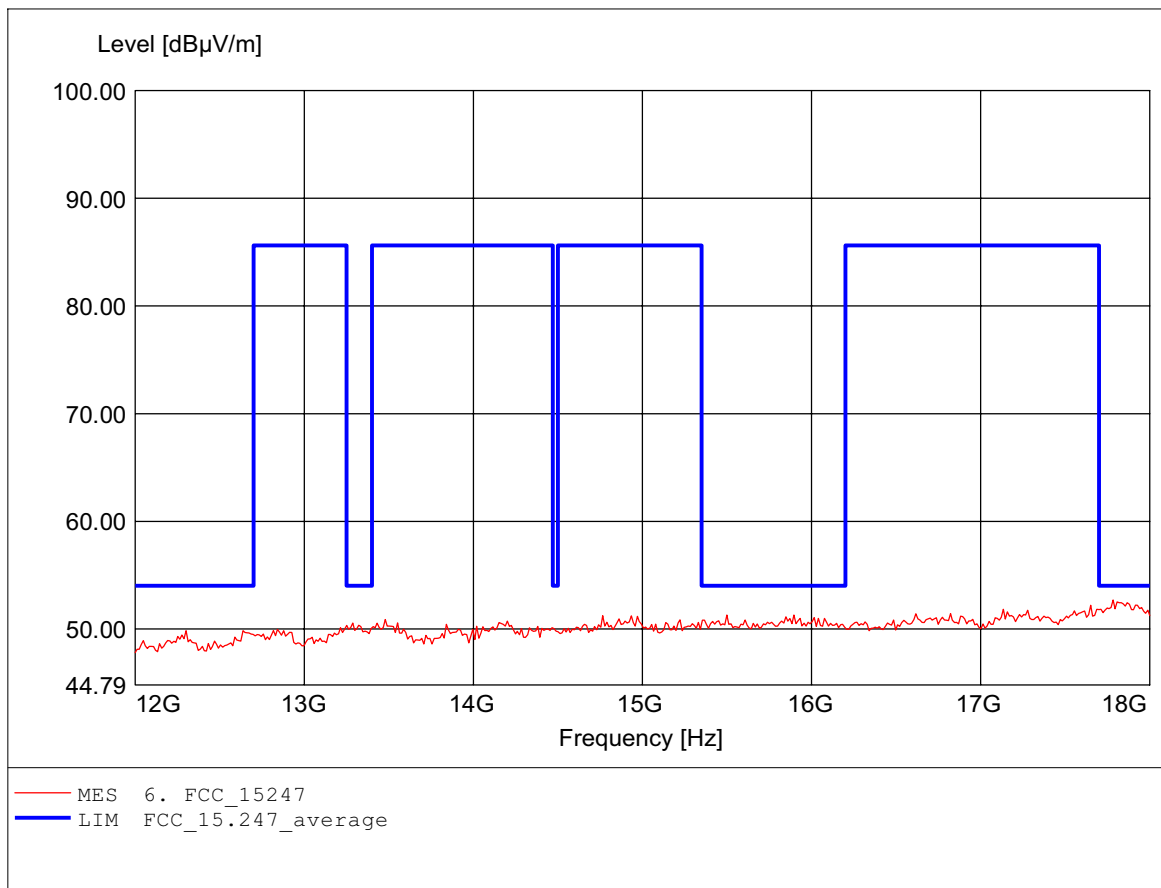
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.808GHz, Emax: 52.01dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

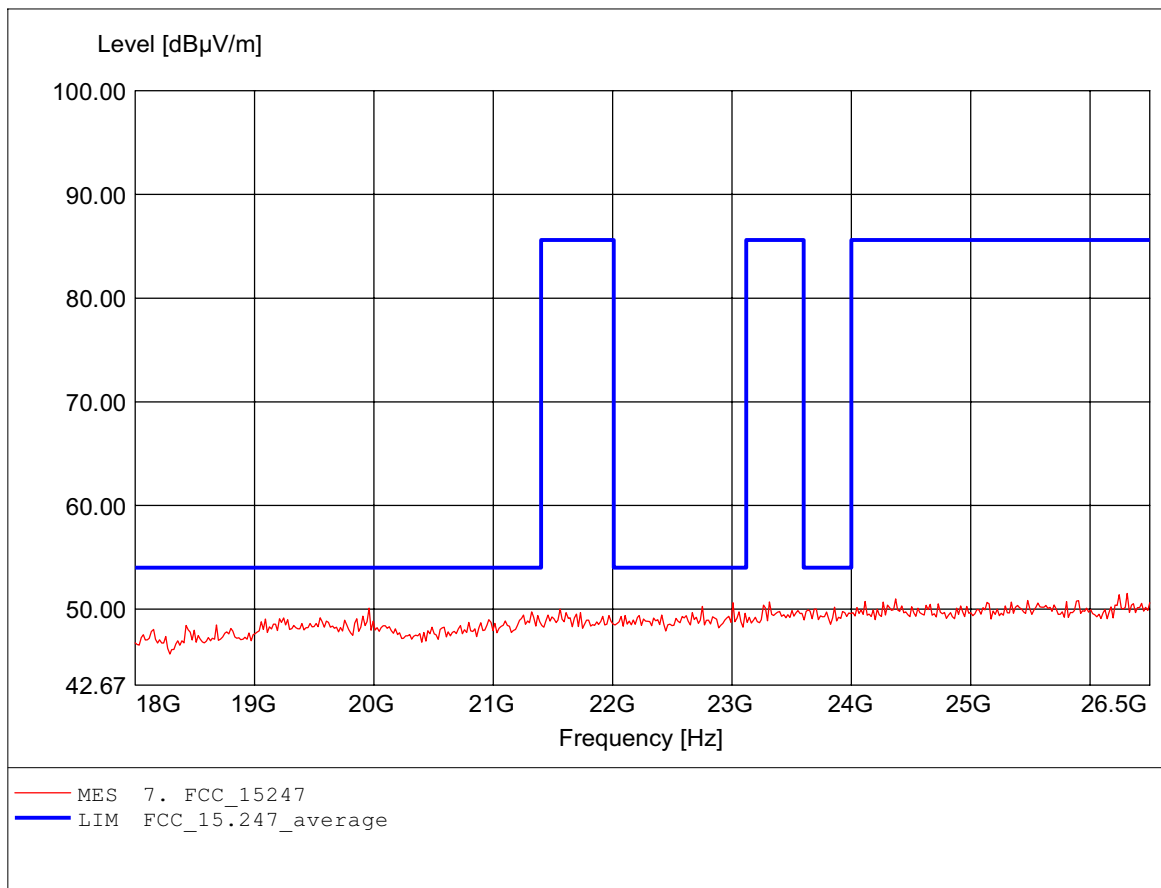
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.784GHz, Emax: 52.69dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

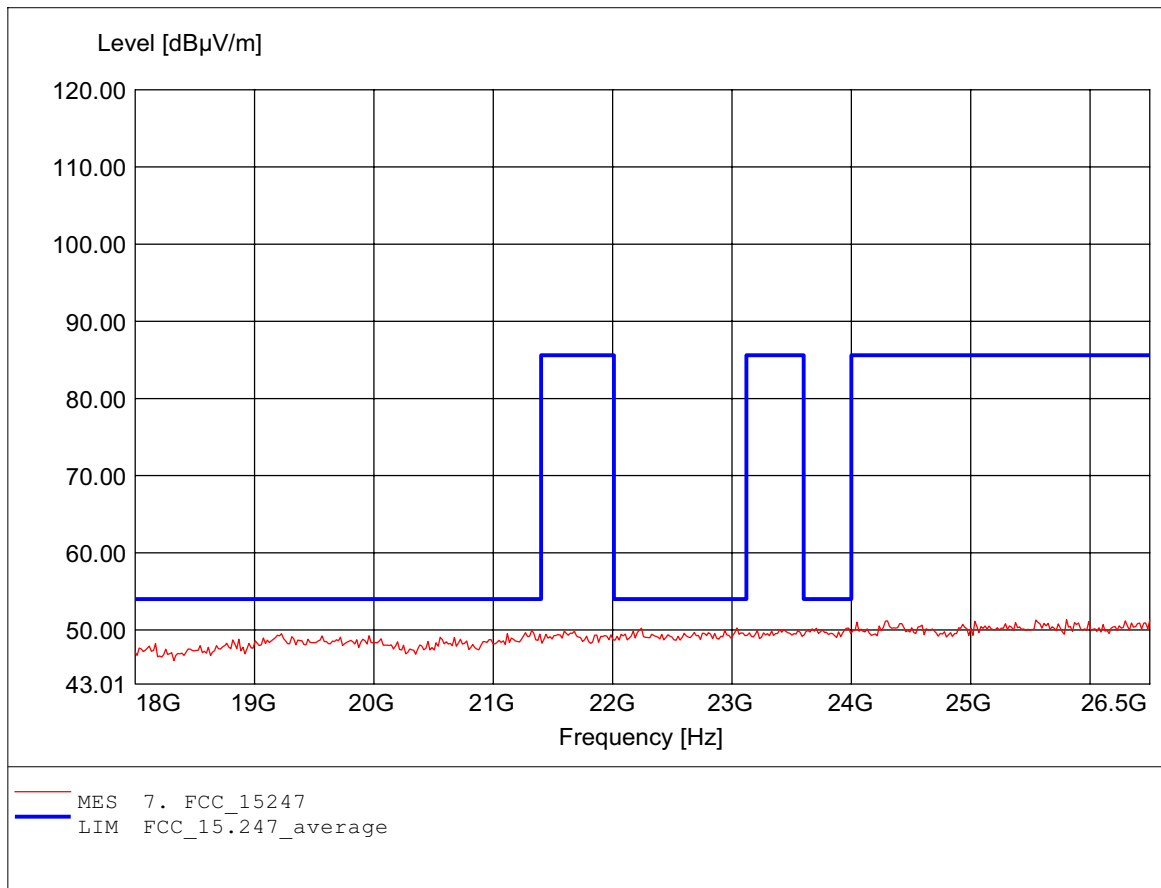
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.313GHz, Emax: 51.51dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 25.802GHz, Emax: 51.38dBμV/m, RBW: 1MHz





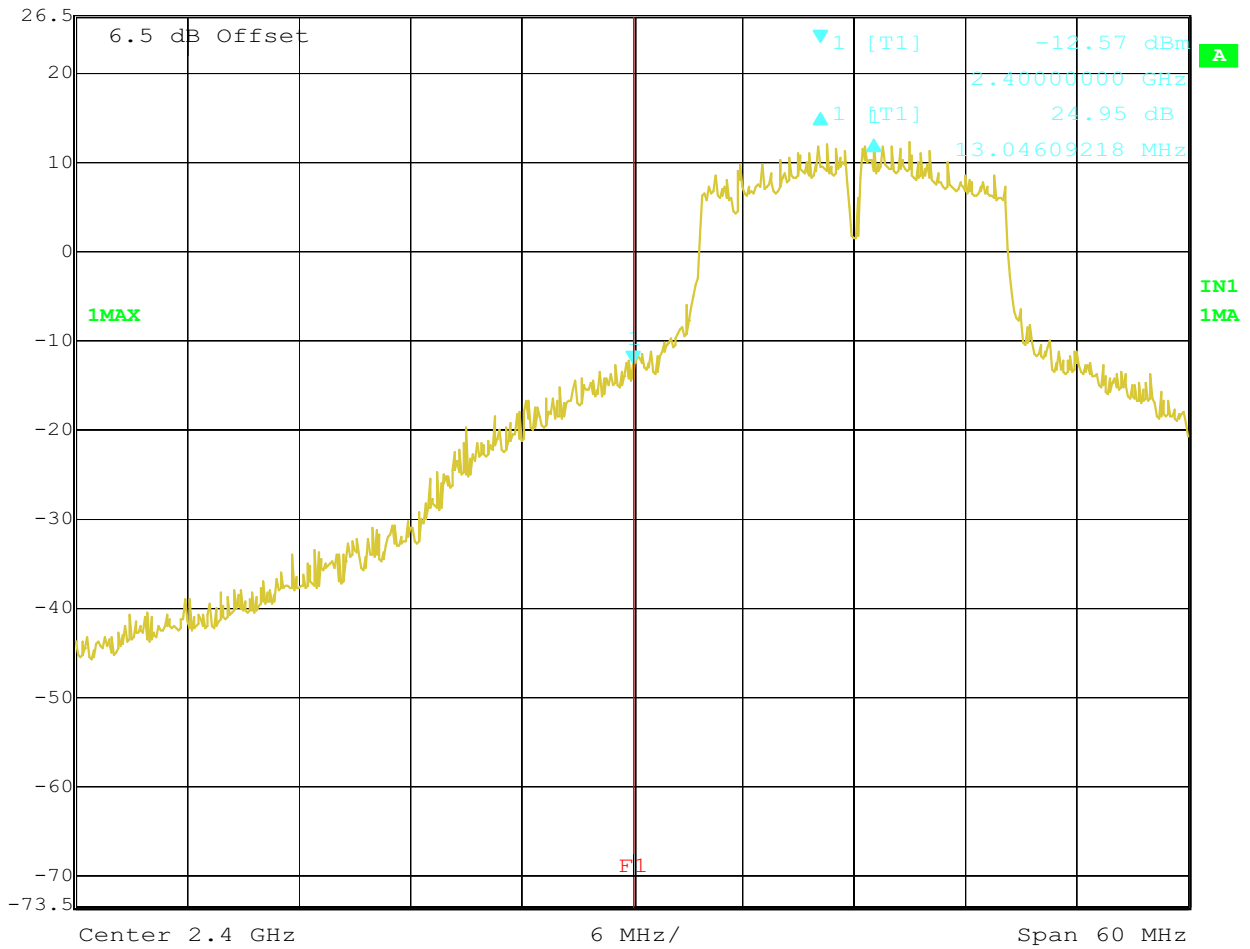
Registration number: W6M20601-6544-C-2
FCC ID: TER-MULTIAP-700G

Appendix C

Band Edge Measurement



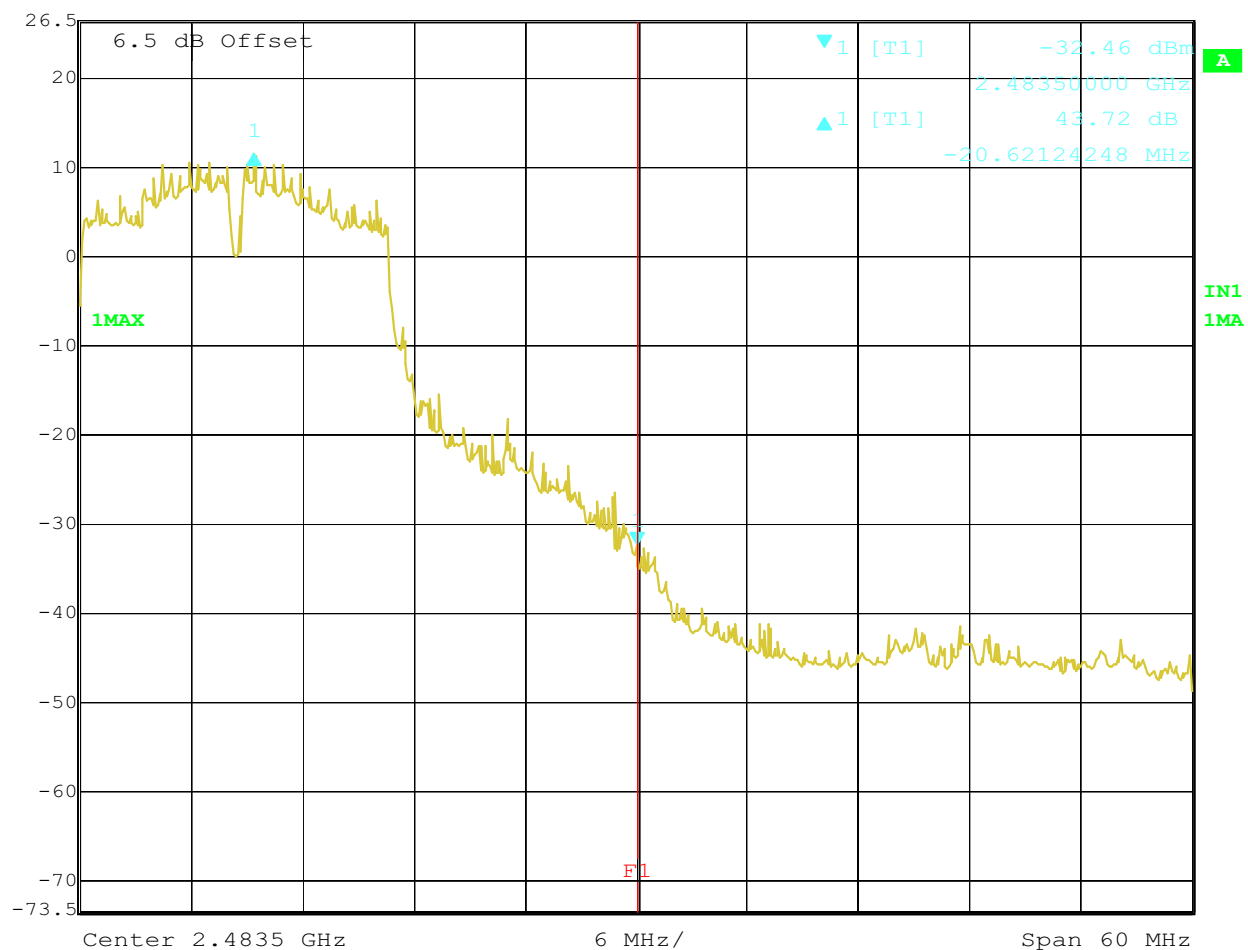
Delta 1 [T1] RBW 100 kHz RF Att 30 dB
Ref Lvl 24.95 dB VBW 100 kHz
26.5 dBm 13.04609218 MHz SWT 200 ms Unit dBm



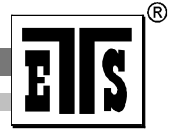
Title: 11G CH1 Bandedge
Comment A: ValuePoint Networks, Inc.
Date: 18.FEB.2006 16:25:13



Delta 1 [T1] RBW 100 kHz RF Att 30 dB
Ref Lvl 43.72 dB VBW 100 kHz
26.5 dBm -20.62124248 MHz SWT 200 ms Unit dBm



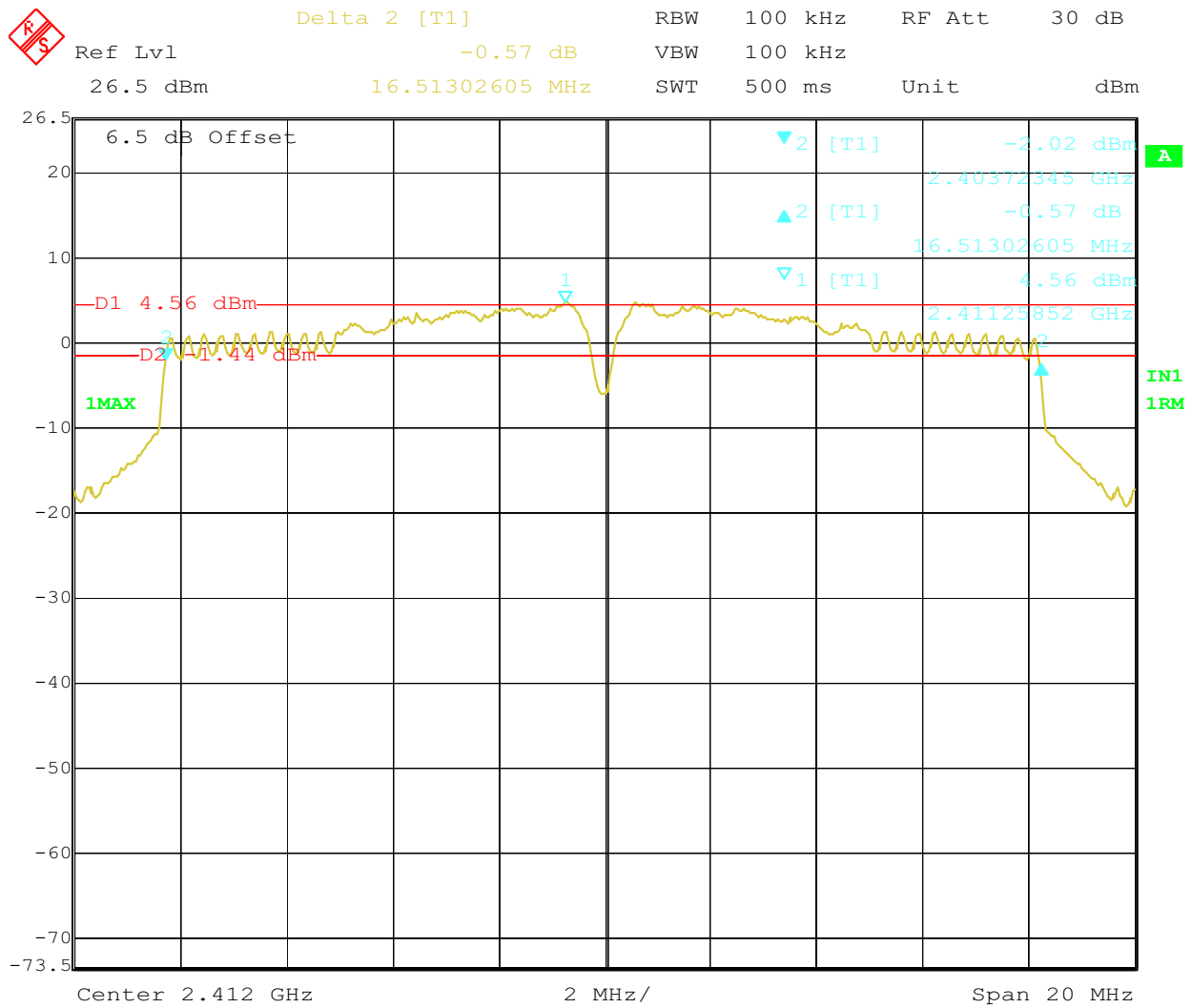
Title: 11G CH11 Bandedge
Comment A: ValuePoint Networks, Inc.
Date: 18.FEB.2006 13:57:43



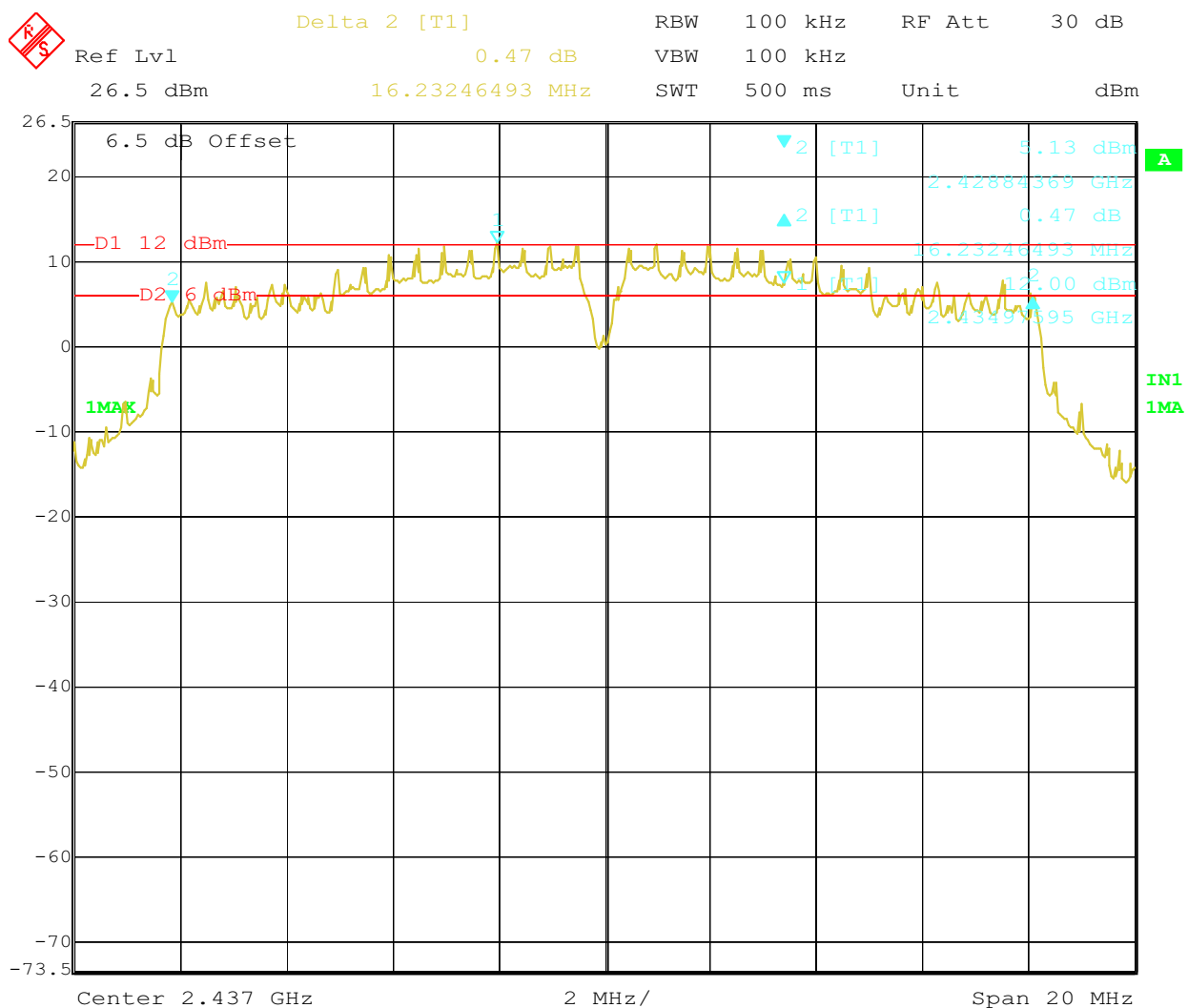
Registration number: W6M20601-6544-C-2
FCC ID: TER-MULTIAP-700G

Appendix D

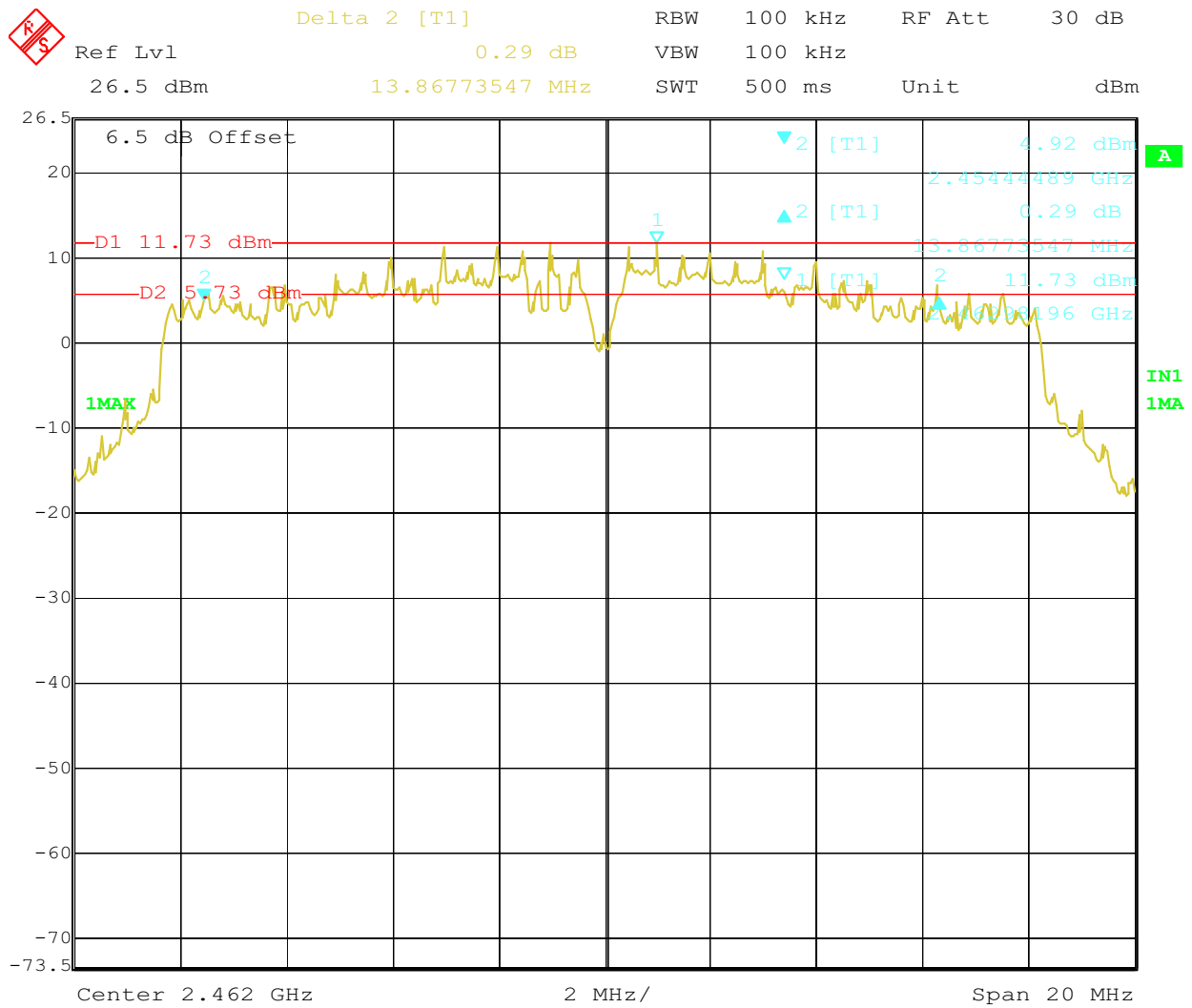
Minimum 6dB Bandwidth



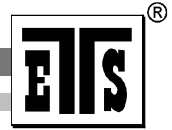
Title: 11G CH1 6dB Bandwidth
Comment A: ValuePoint Networks, Inc.
Date: 18.FEB.2006 11:33:53



Title: 11G CH6 6dB Bandwidth
Comment A: ValuePoint Networks, Inc.
Date: 18.FEB.2006 11:48:28



Title: 11G CH11 6dB Bandwidth
Comment A: ValuePoint Networks, Inc.
Date: 18.FEB.2006 11:55:51



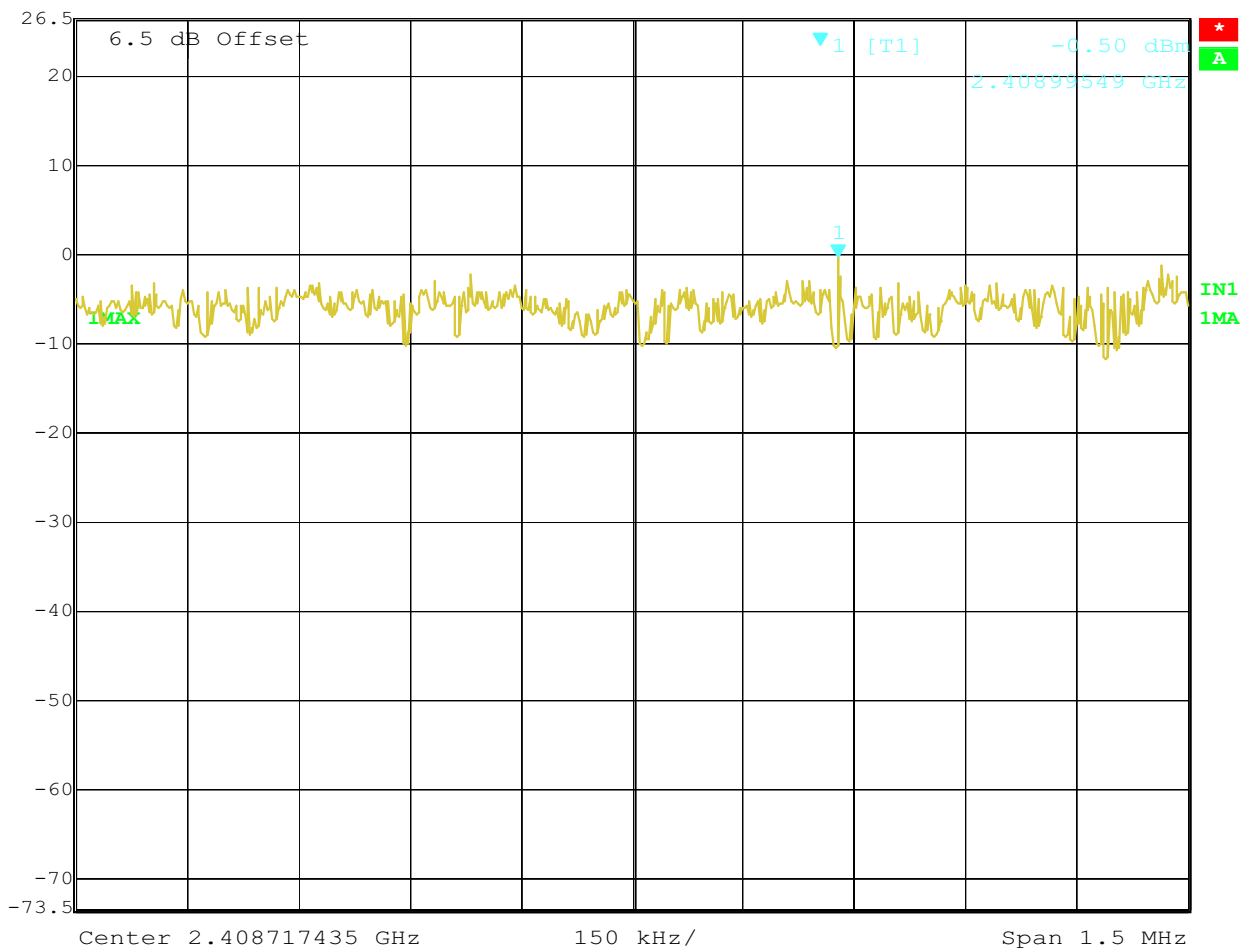
Registration number: W6M20601-6544-C-2
FCC ID: TER-MULTIAP-700G

Appendix E

Peak Power Spectral Density



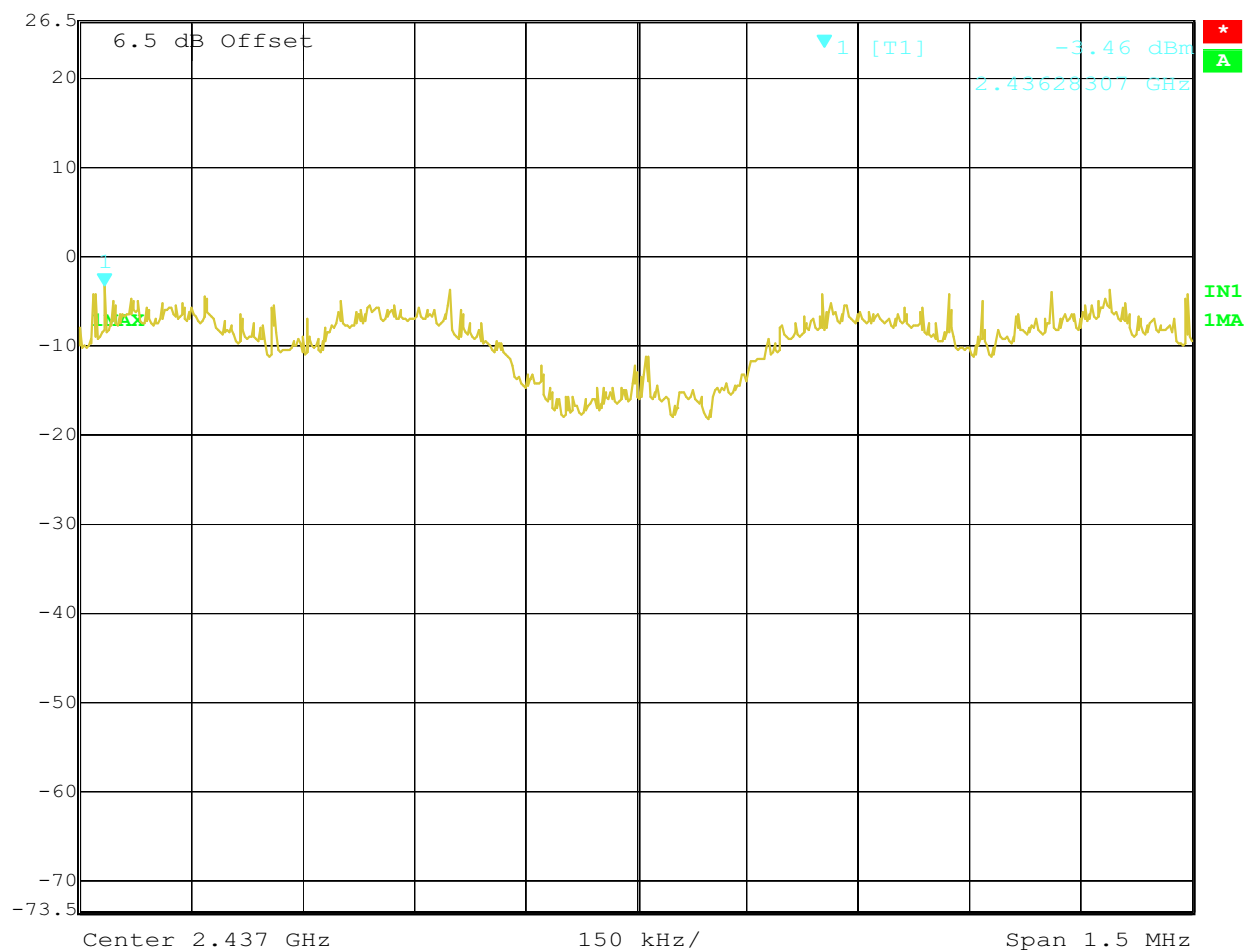
Ref Lvl 26.5 dBm
Marker 1 [T1] -0.50 dBm
2.40899549 GHz
RBW 3 kHz
VBW 100 kHz
RF Att 30 dB
SWT 500 s
Unit dBm



Title: 11G CH1 Power Density
Comment A: ValuePoint Networks, Inc.
Date: 18.FEB.2006 16:33:56



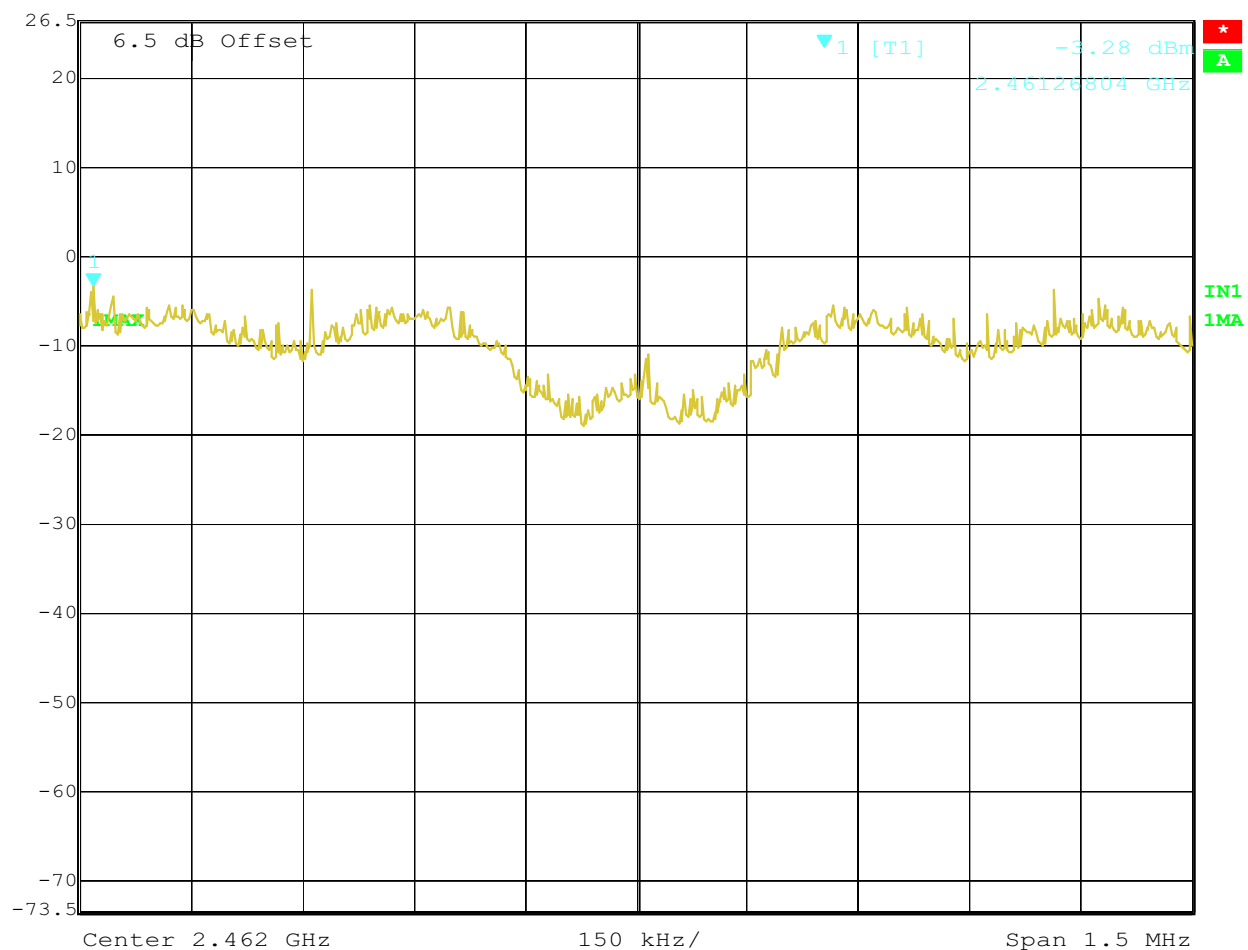
Marker 1 [T1] RBW 3 kHz RF Att 30 dB
Ref Lvl -3.46 dBm VBW 100 kHz
26.5 dBm 2.43628307 GHz SWT 500 s Unit dBm



Title: 11G CH6 Power Density
Comment A: ValuePoint Networks, Inc.
Date: 18.FEB.2006 16:44:08



Marker 1 [T1] RBW 3 kHz RF Att 30 dB
Ref Lvl -3.28 dBm VBW 100 kHz
26.5 dBm 2.46126804 GHz SWT 500 s Unit dBm



Title: 11G CH11 Power Density
Comment A: ValuePoint Networks, Inc.
Date: 18.FEB.2006 16:49:30

Appendix F

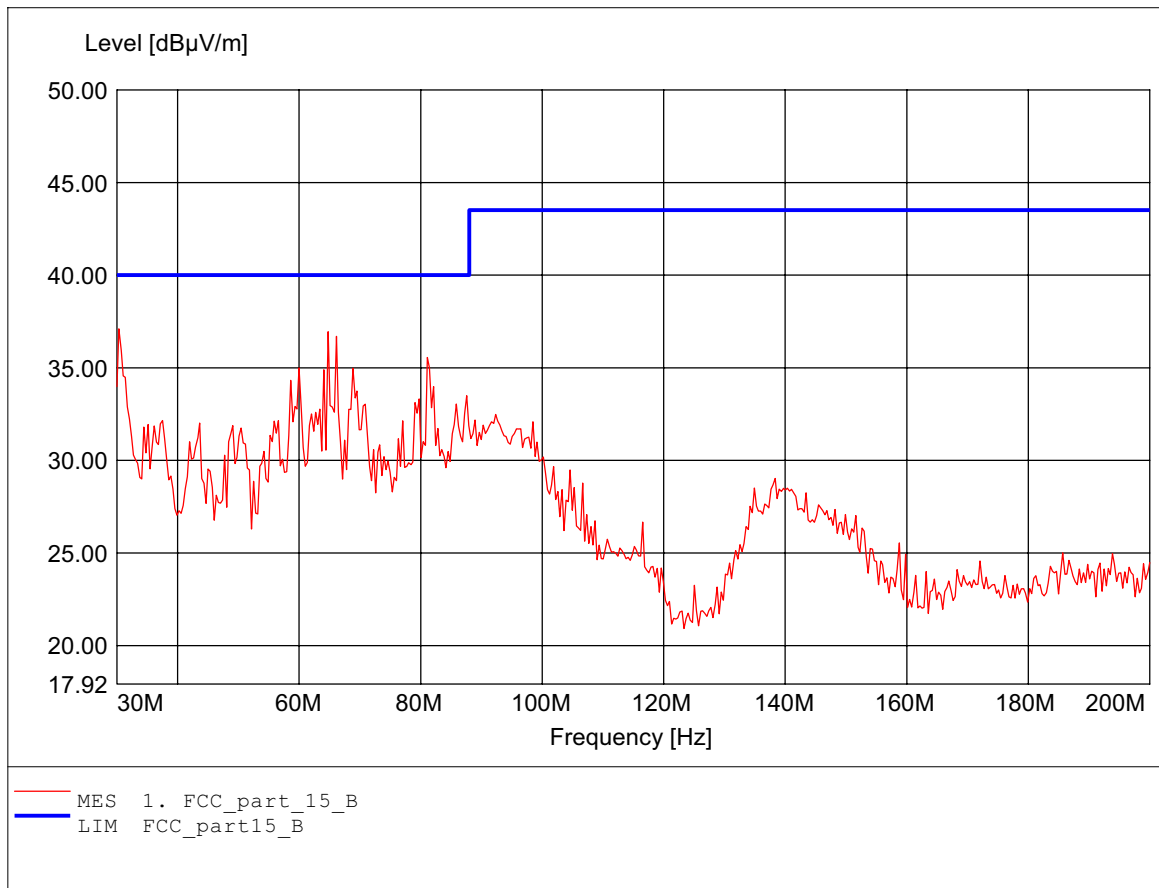
Radiated Emissions from Receiver Section of Transceiver

The measurement diagram are wideband pre-scan results; only for reference.

Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

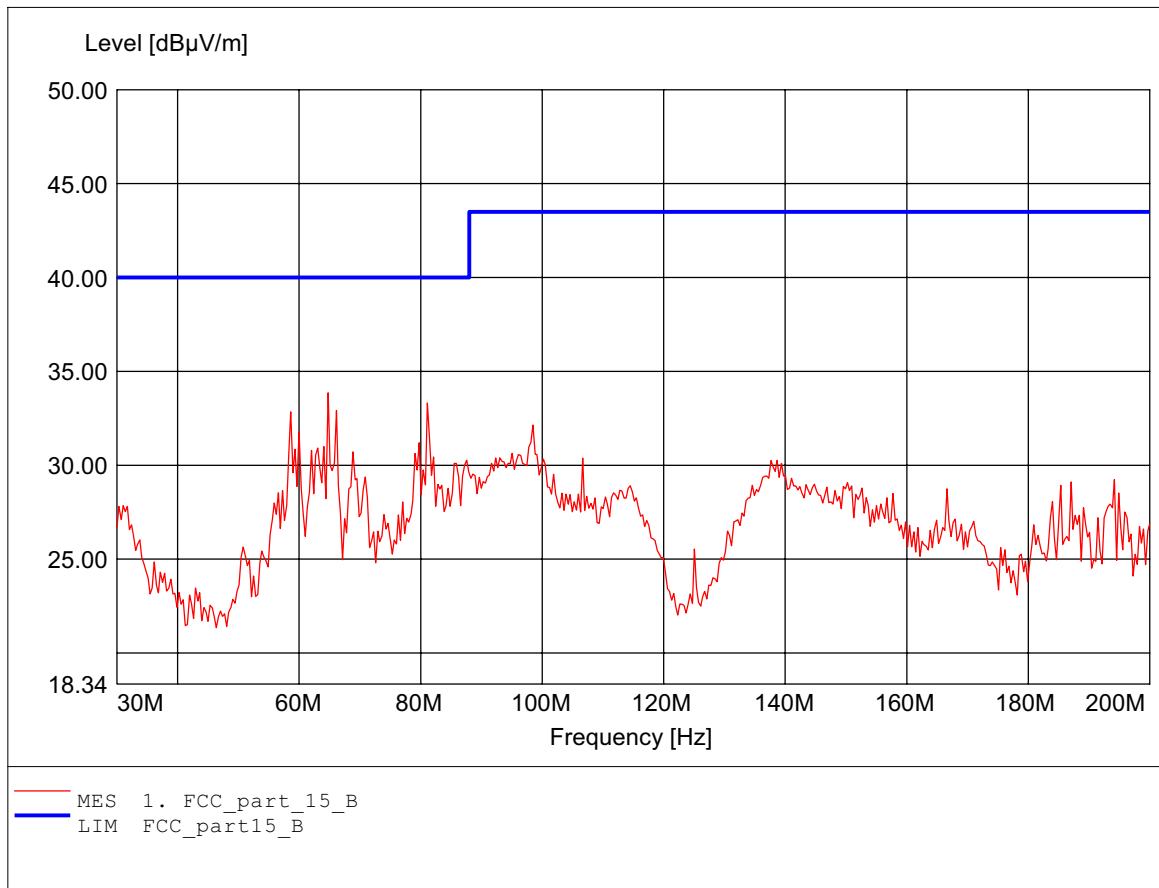
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:30.341MHz Emax:37.10dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

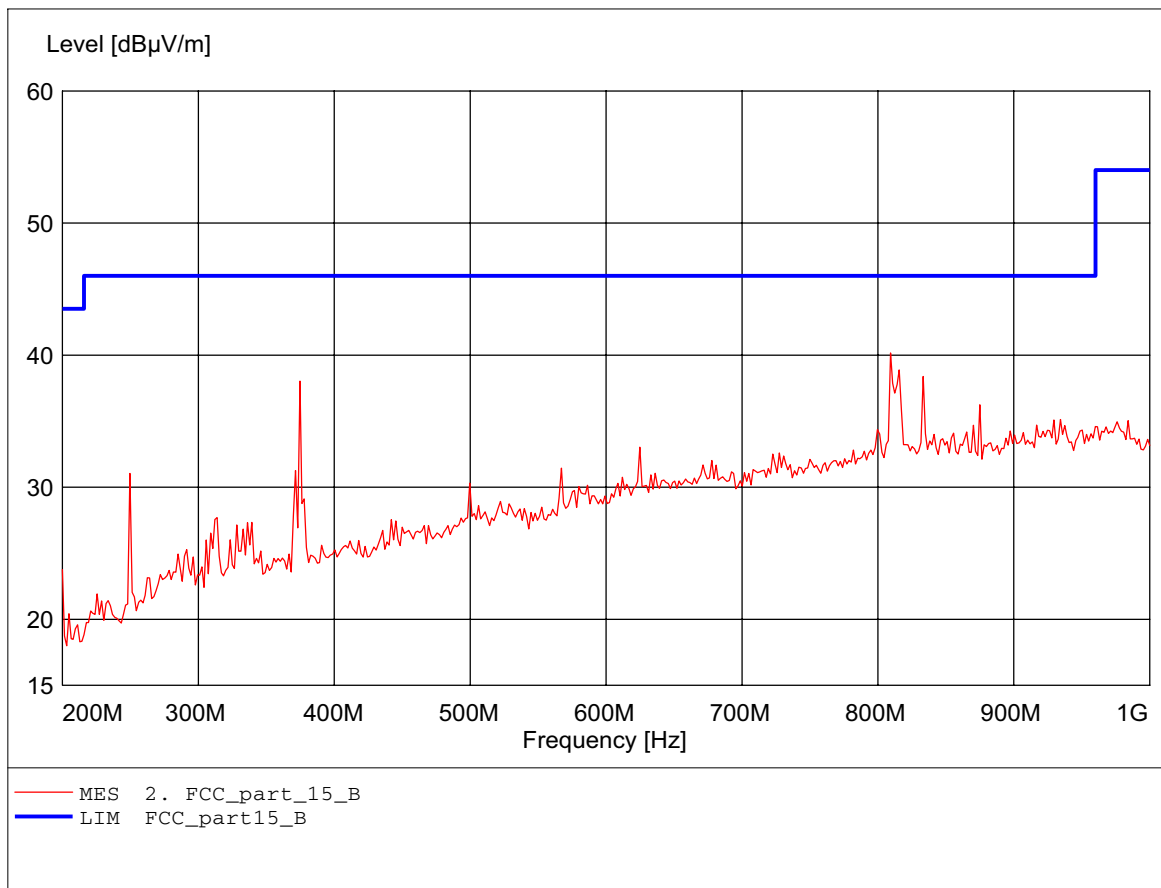
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 64.749MHz Emax: 33.86dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

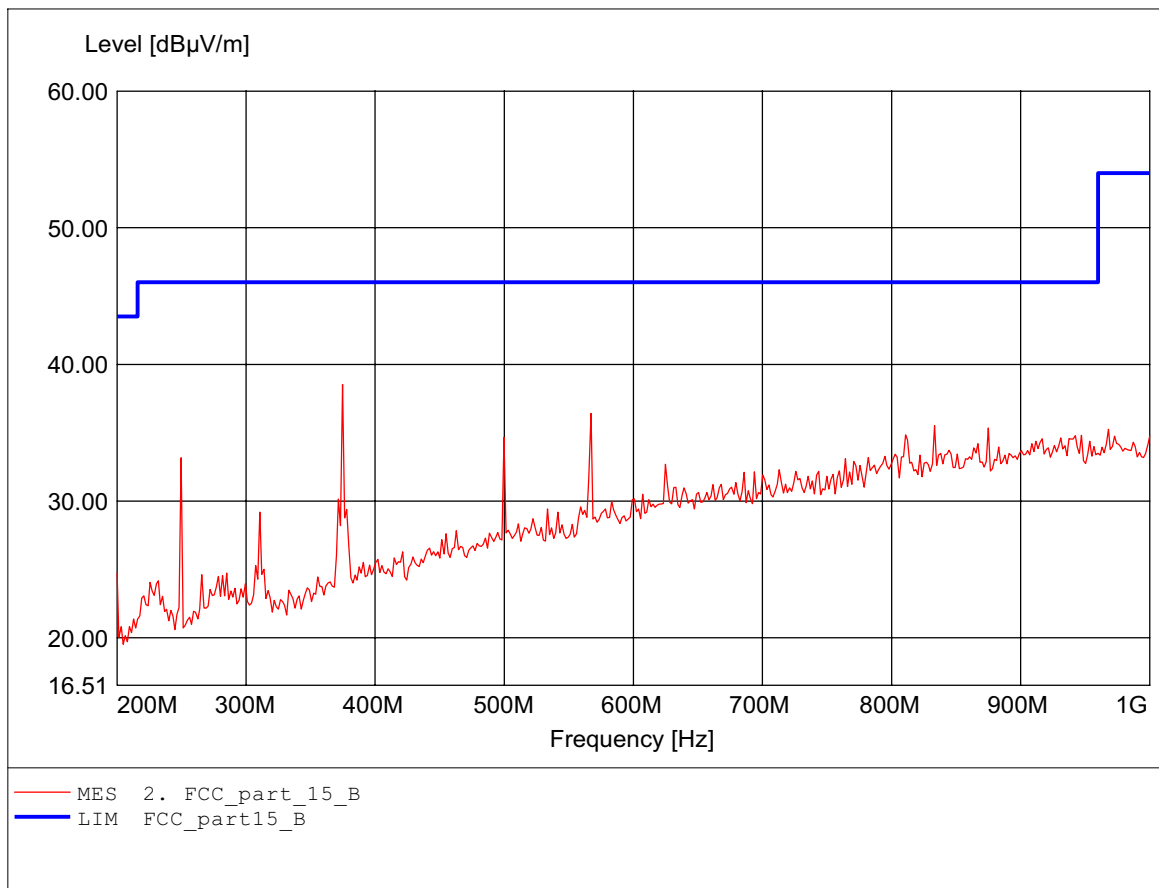
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:809.218MHz Emax:40.18dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

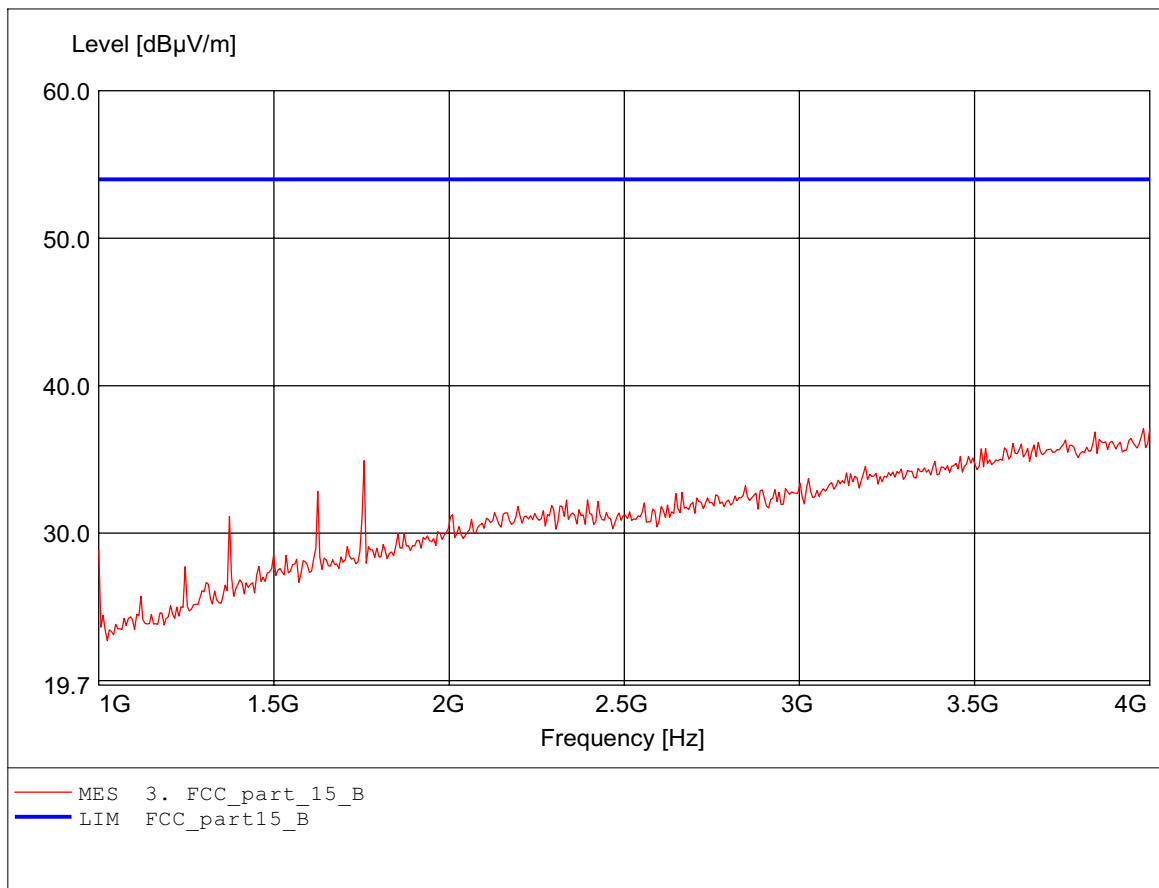
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:374.749MHz Emax:38.54dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

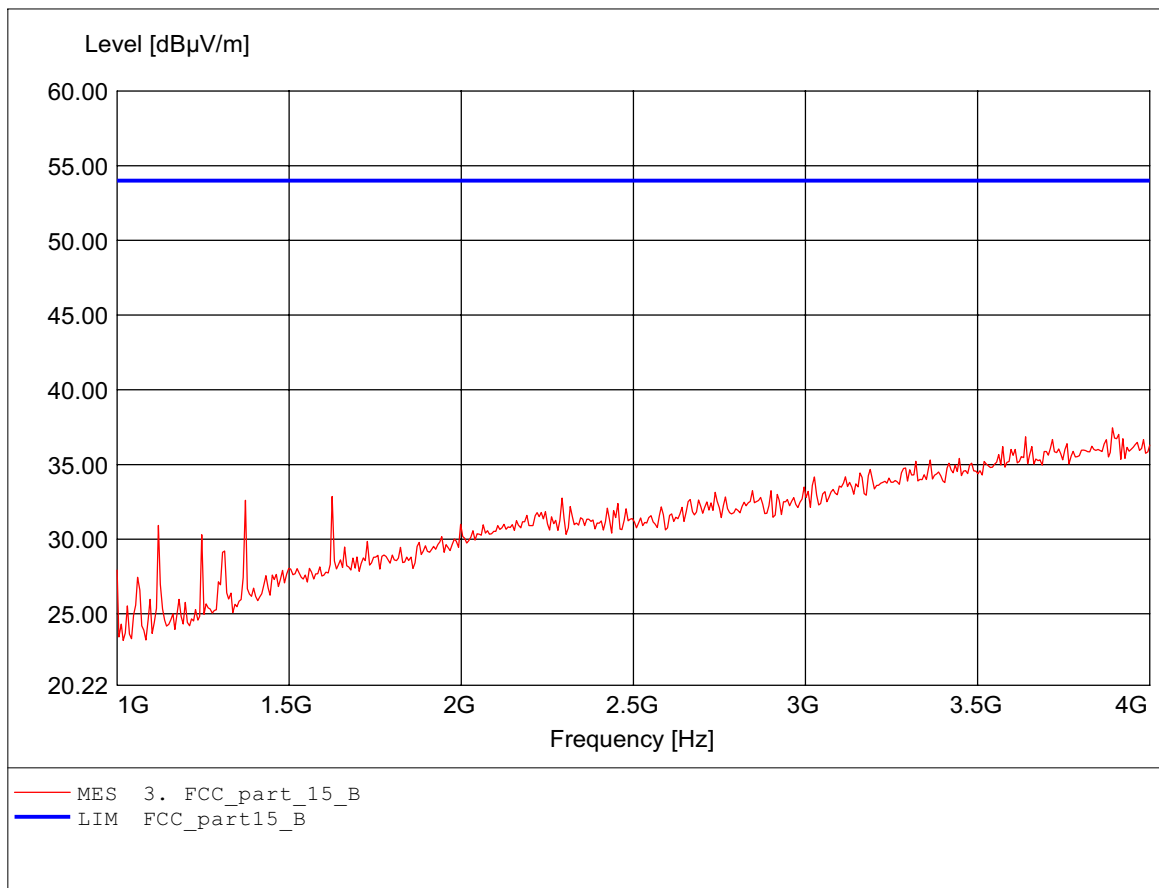
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.982GHz Emax:37.11dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

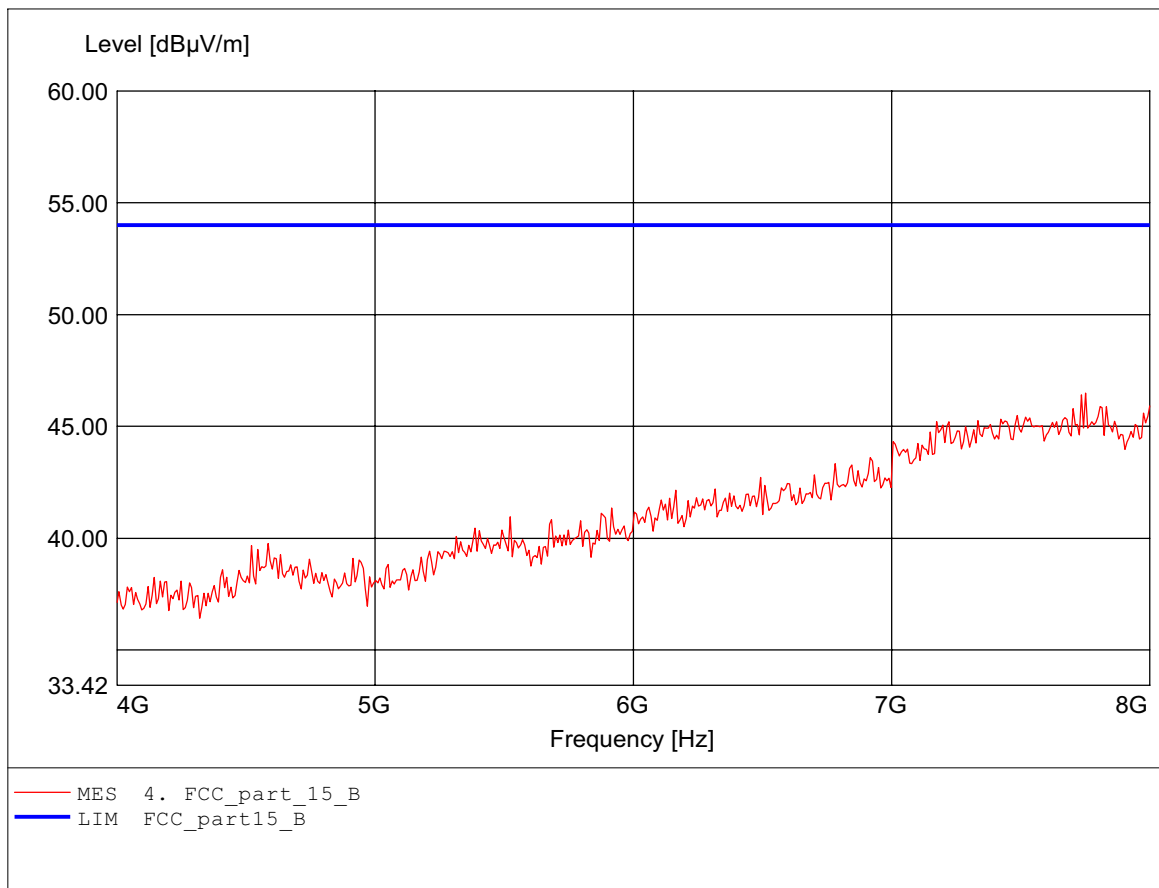
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.892GHz Emax:37.45dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

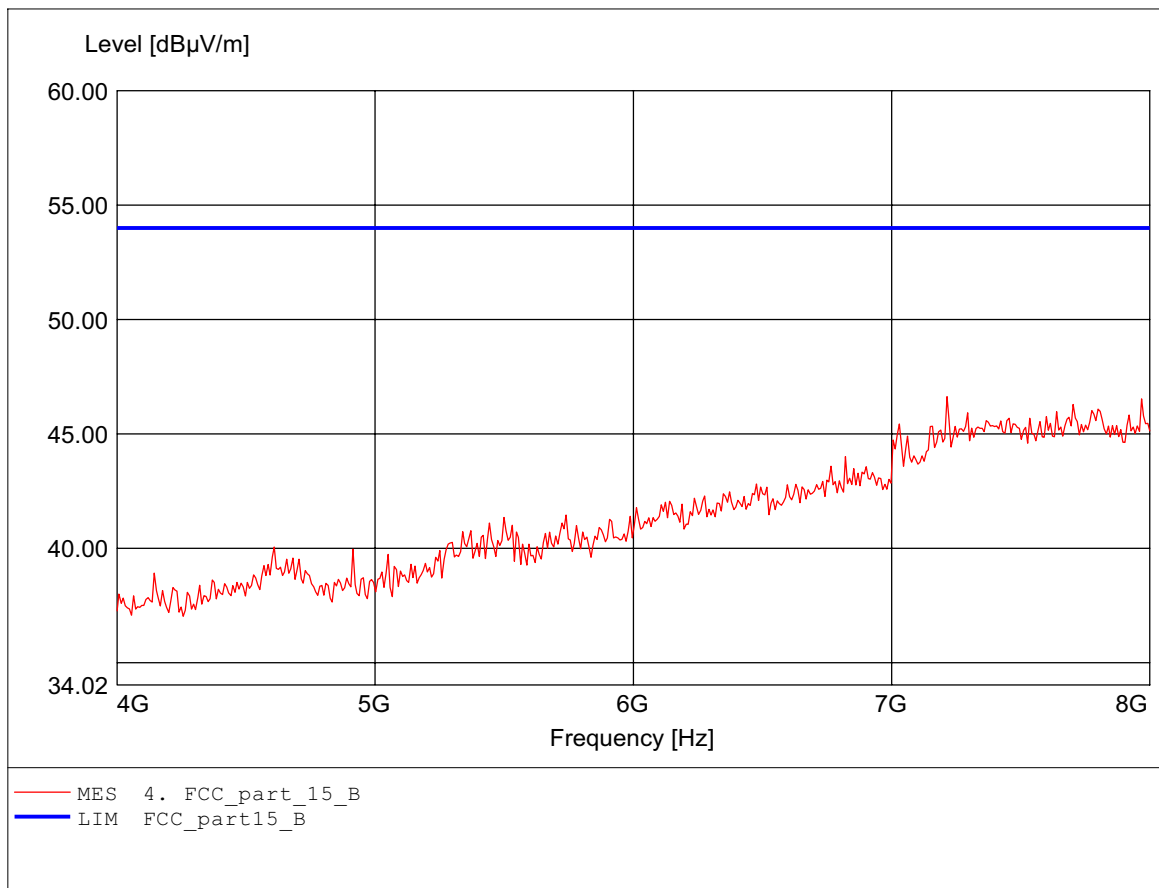
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.752GHz Emax:46.50dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

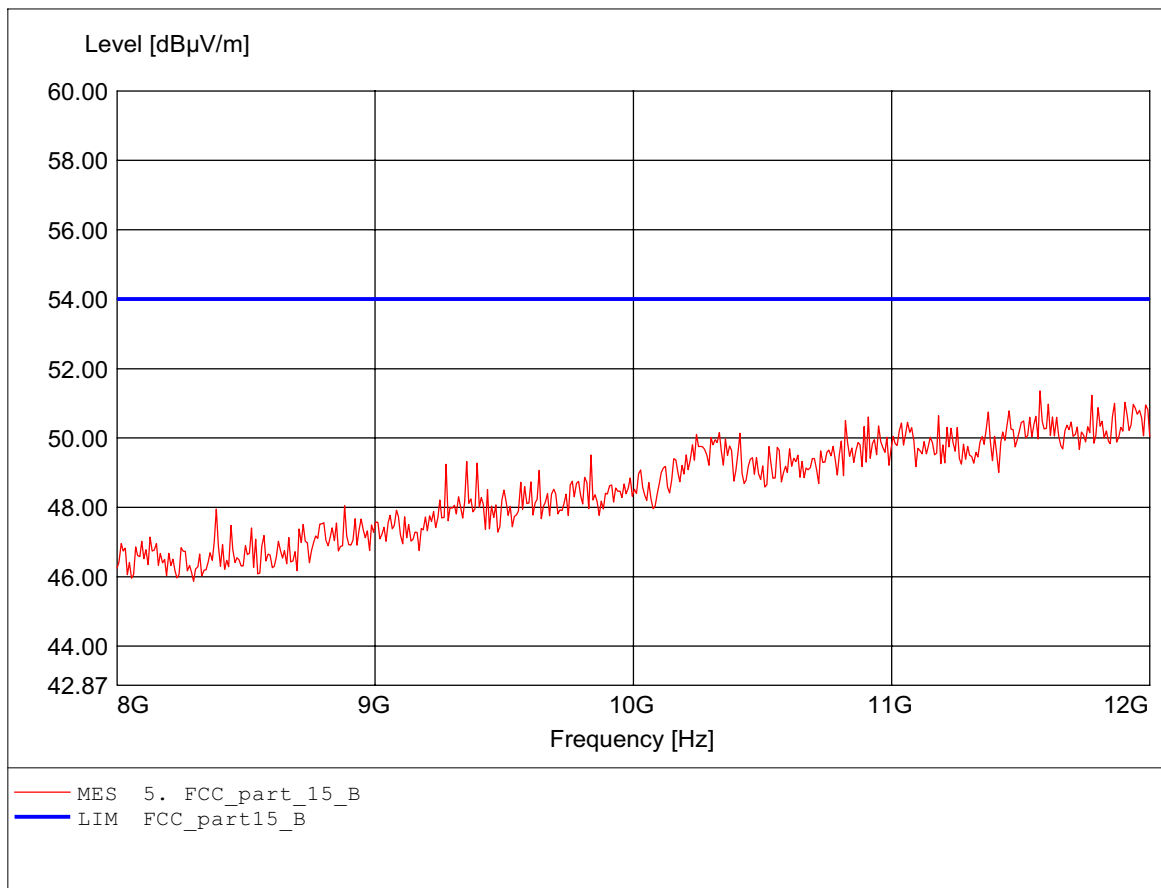
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq: 7.214GHz Emax: 46.63dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

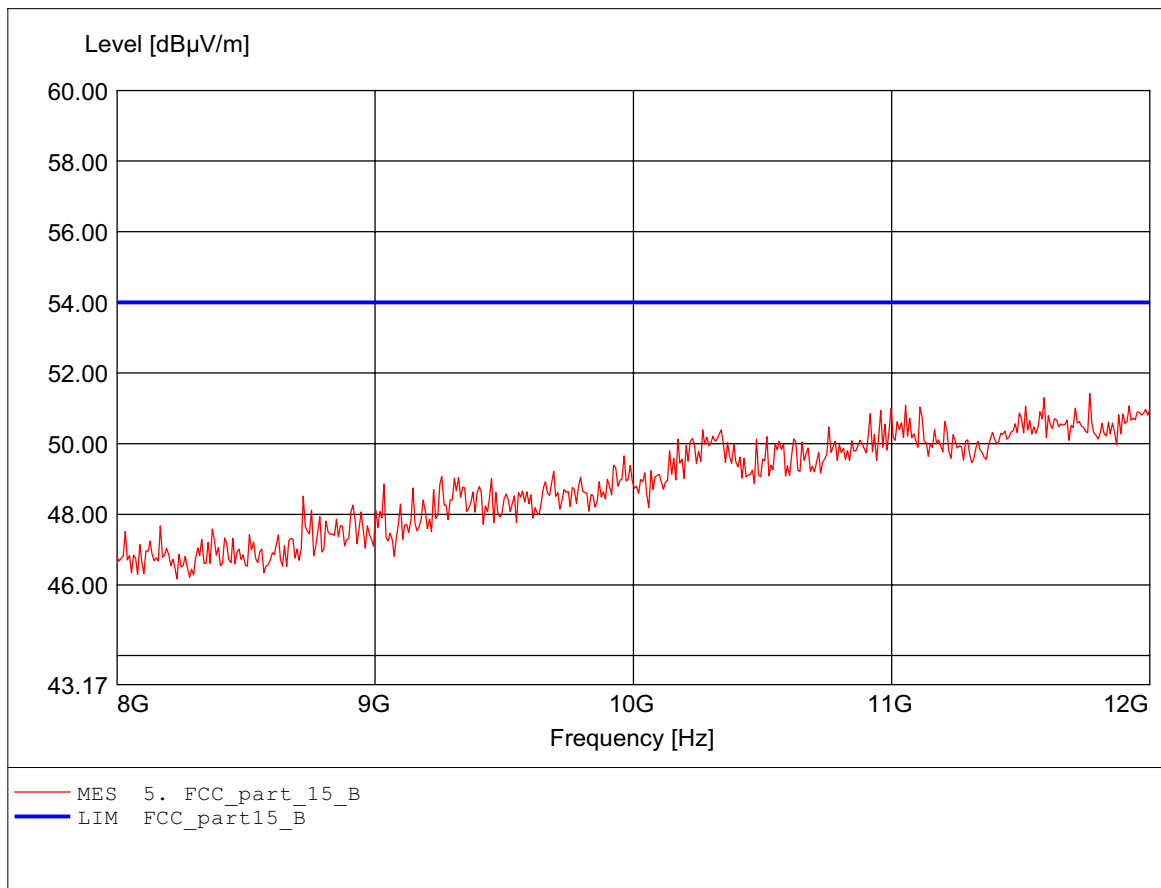
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.575GHz Emax:51.35dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

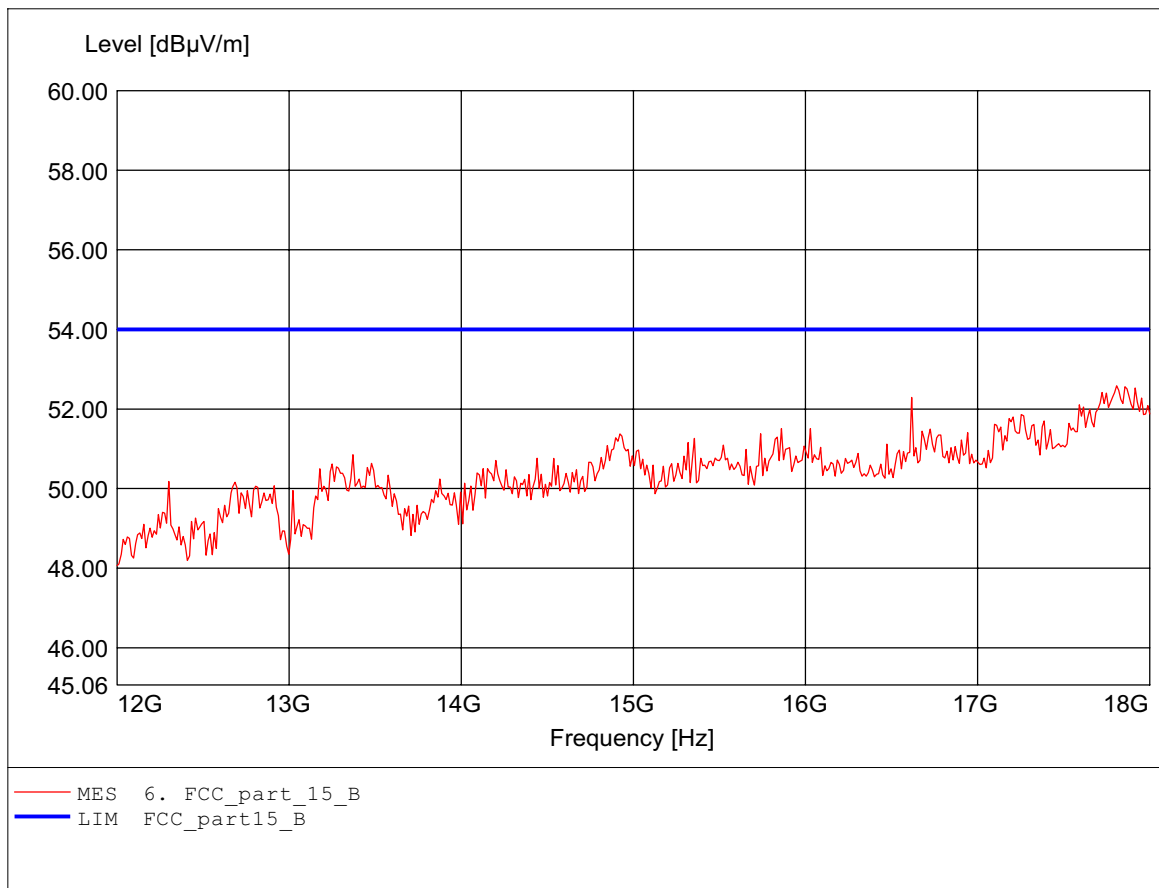
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.768GHz Emax:51.41dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

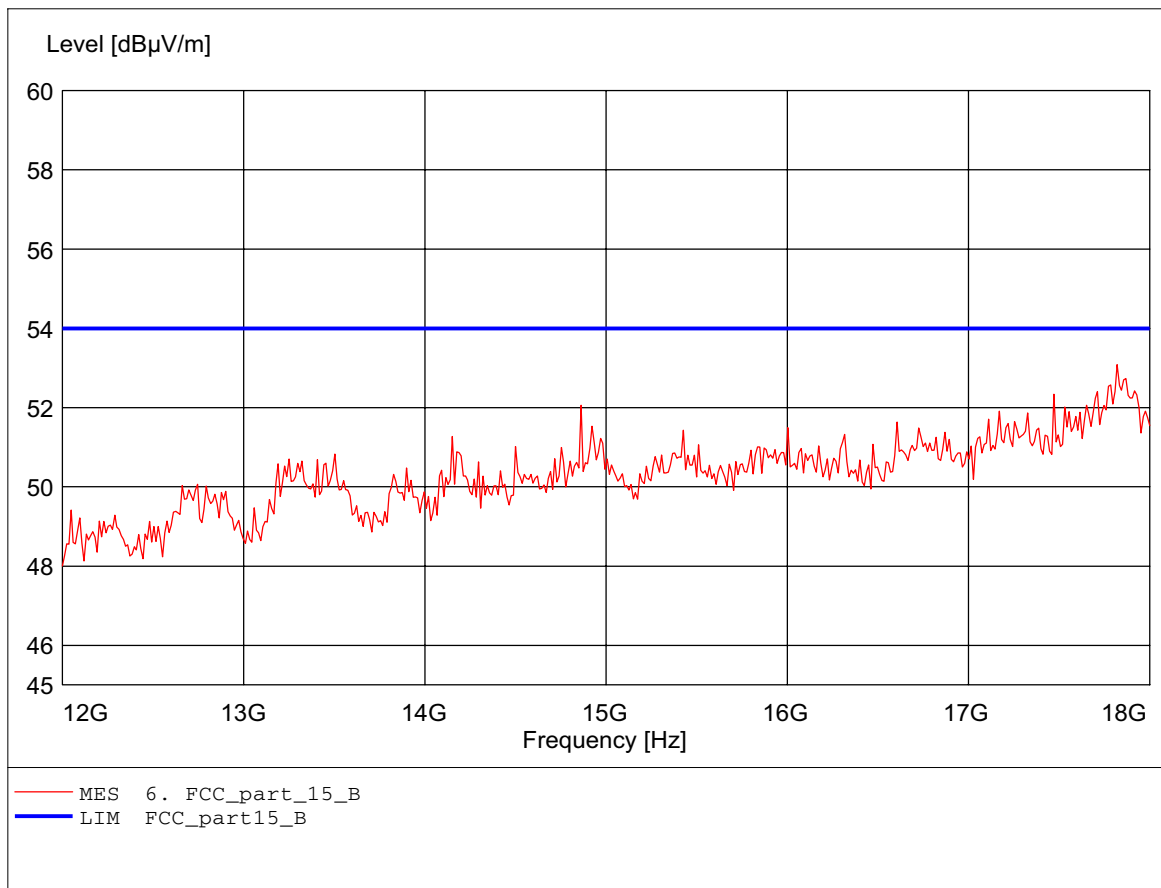
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.808GHz Emax:52.58dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

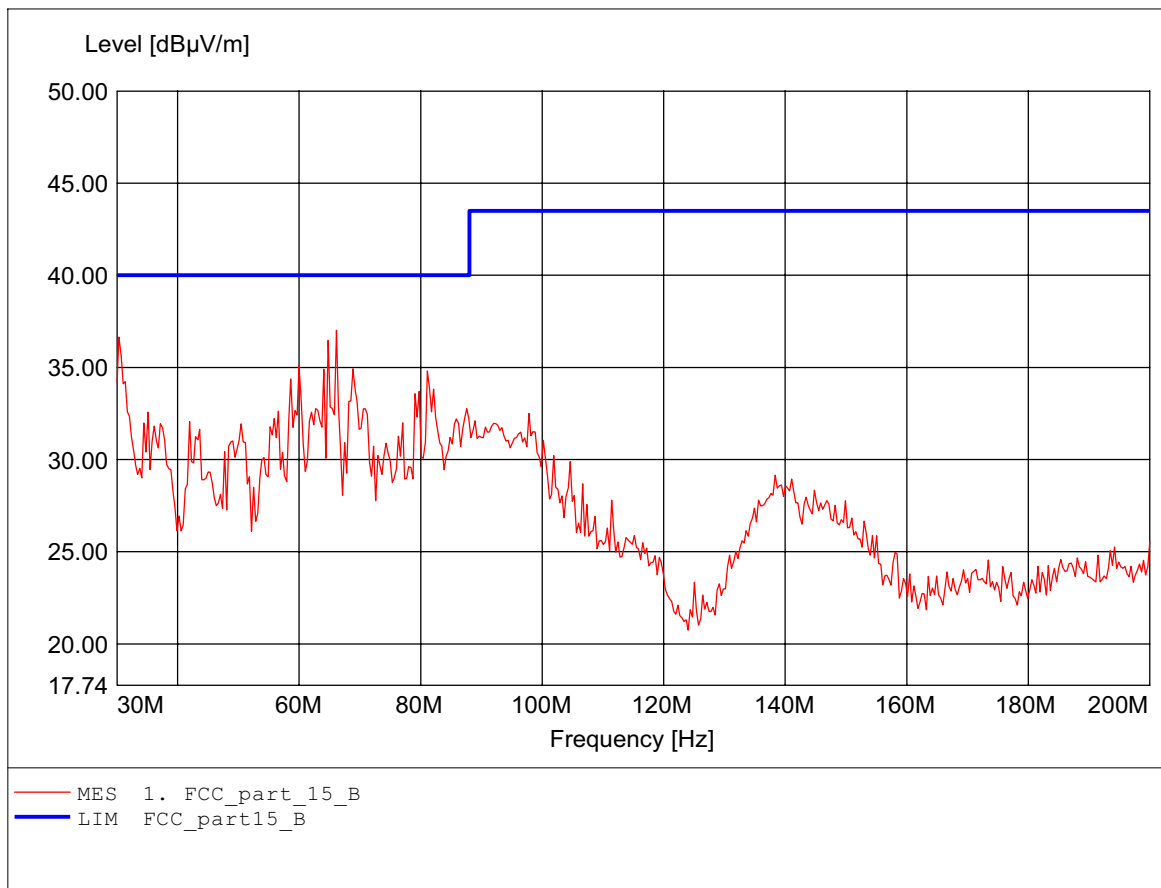
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g low channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.820GHz Emax:53.08dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

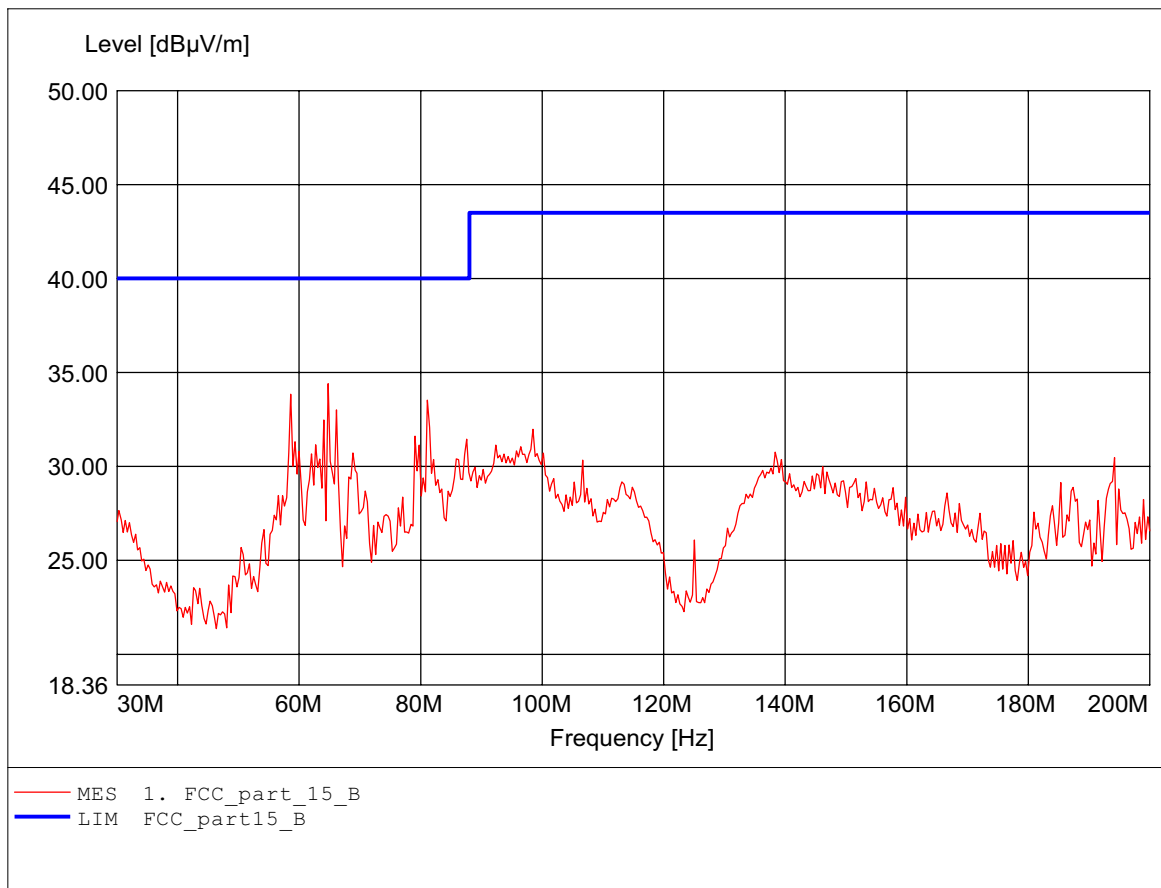
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 66.112MHz Emax: 37.02dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

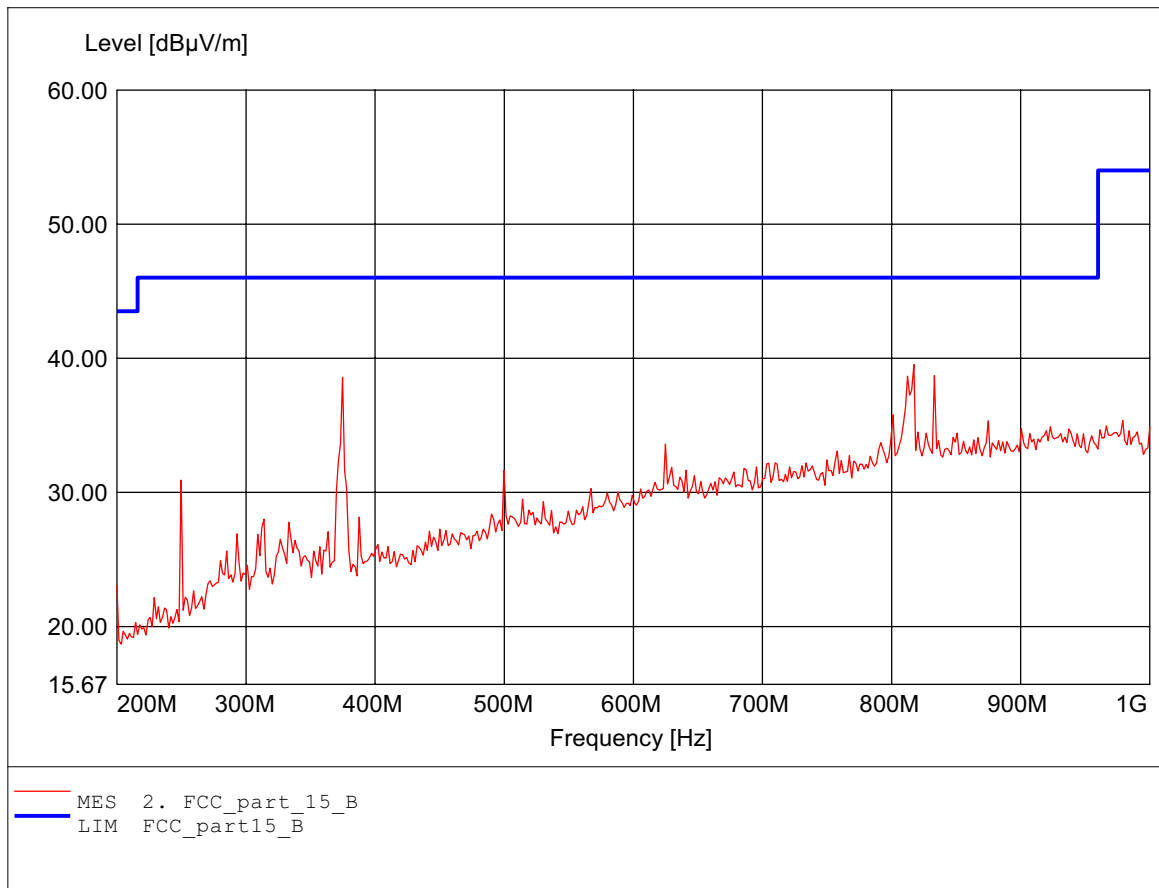
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 64.749MHz Emax: 34.41dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

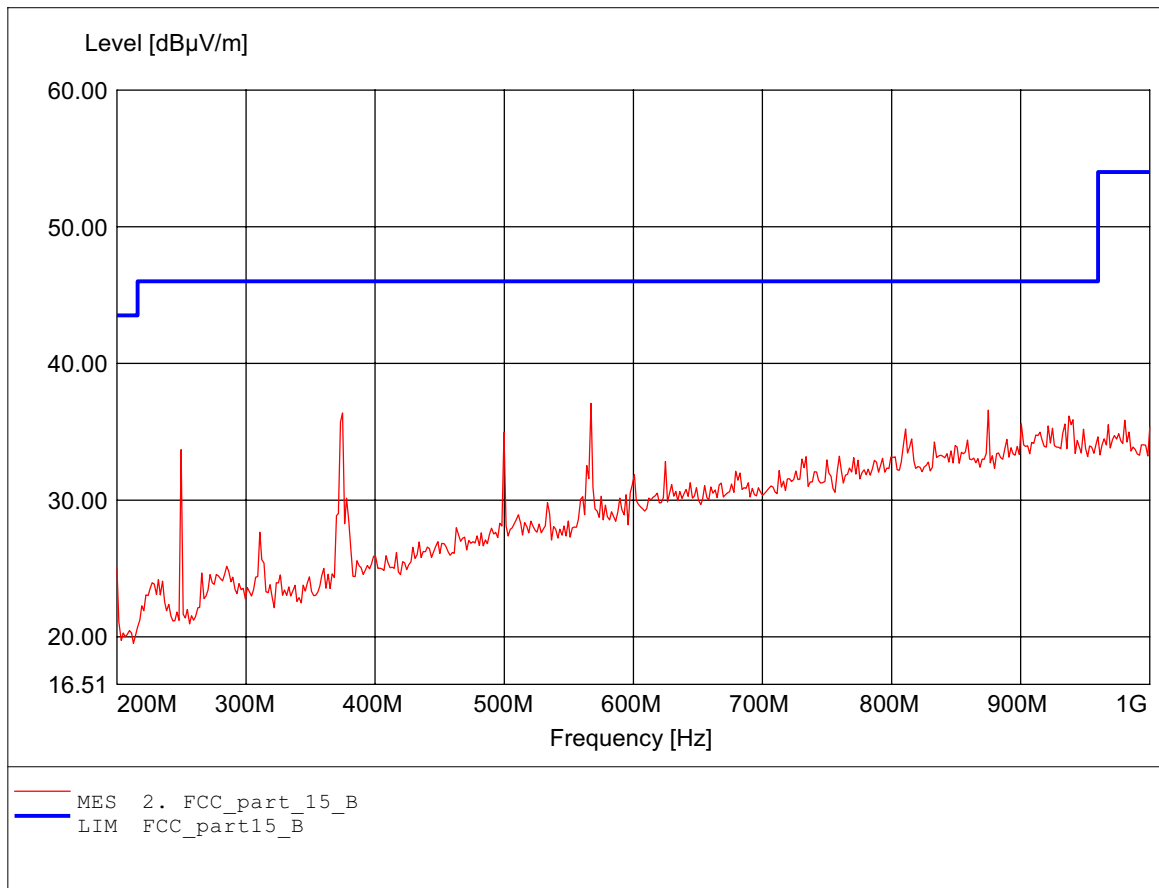
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:817.234MHz Emax:39.53dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

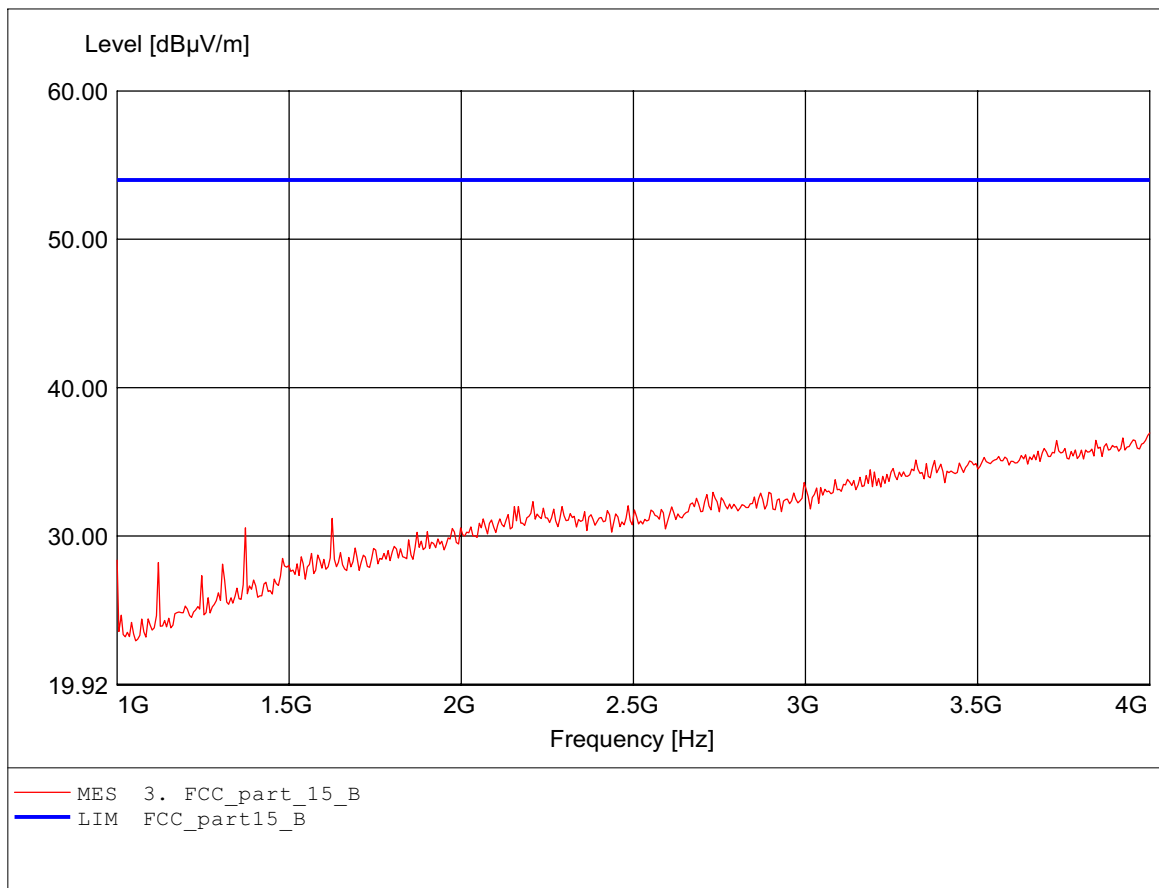
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq: 567.134MHz Emax: 37.08dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

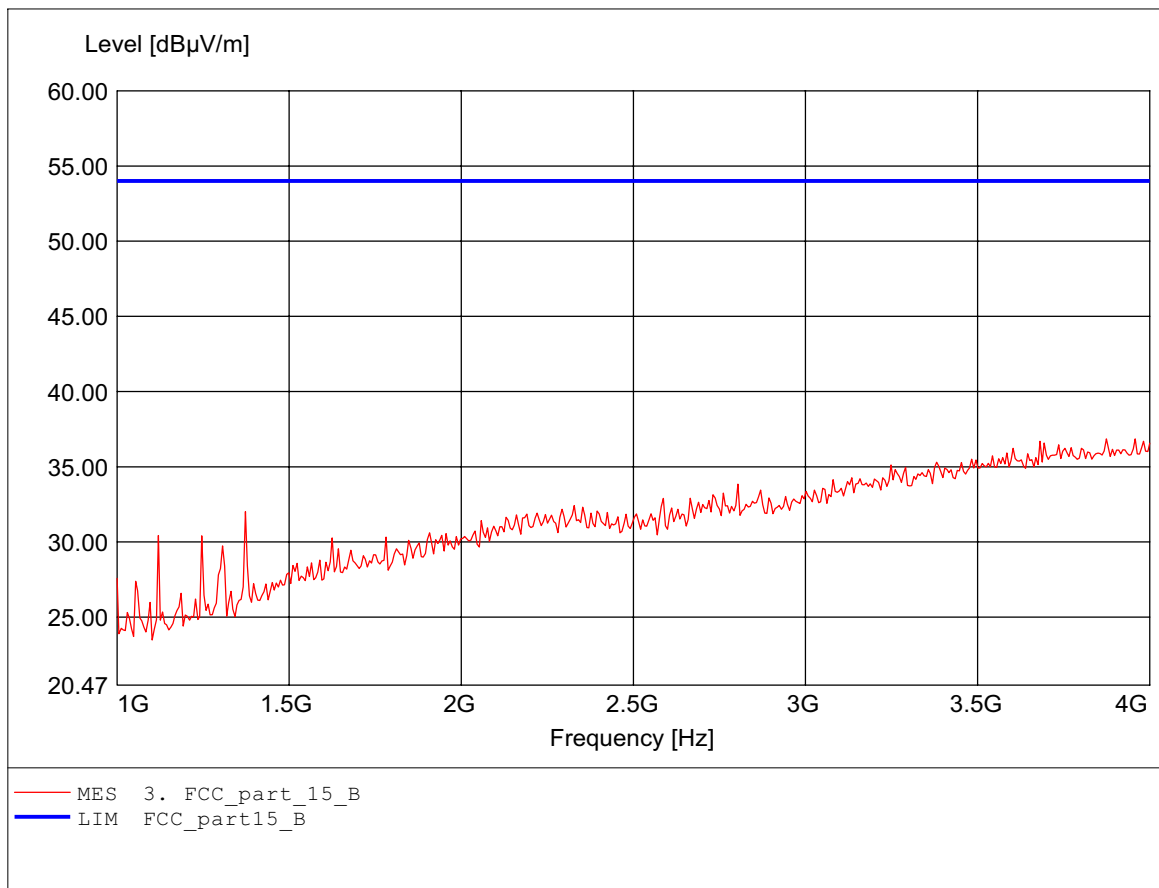
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:4.000GHz Emax:36.94dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

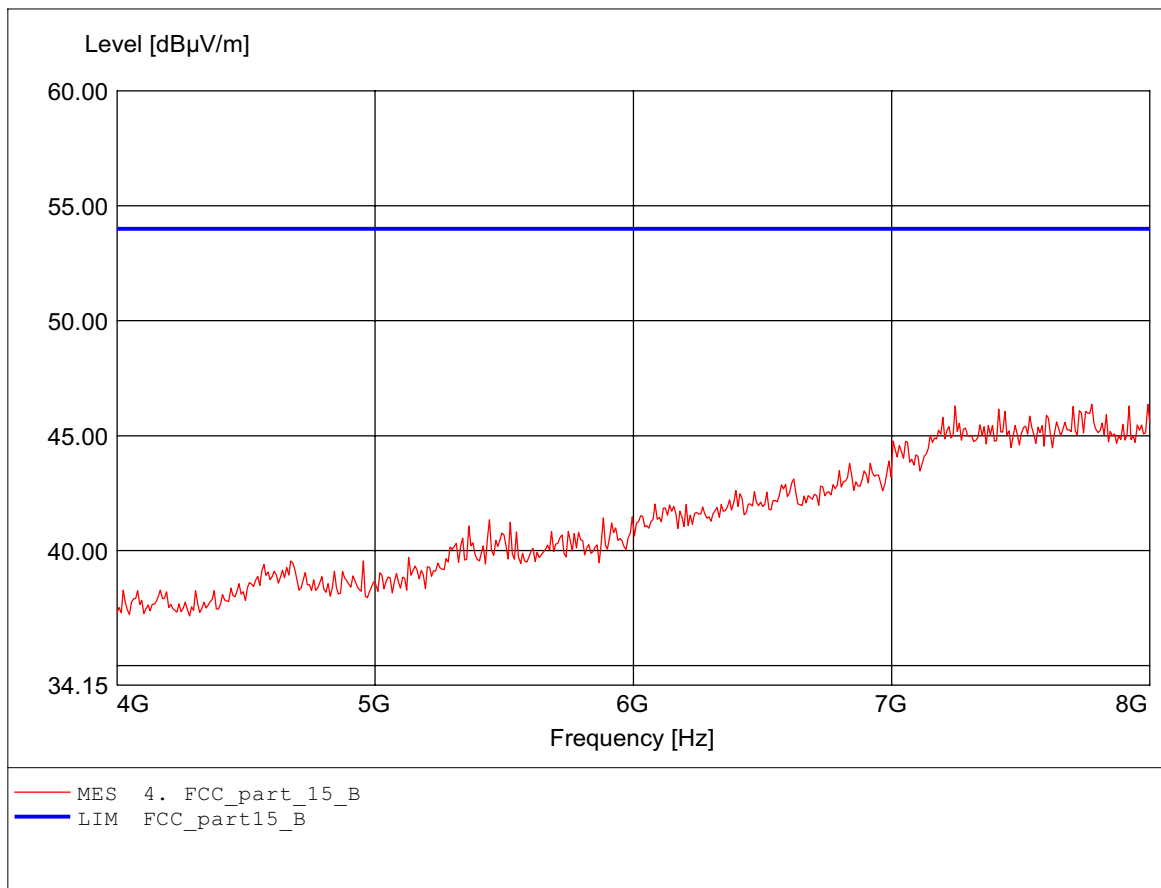
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.958GHz Emax:36.86dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

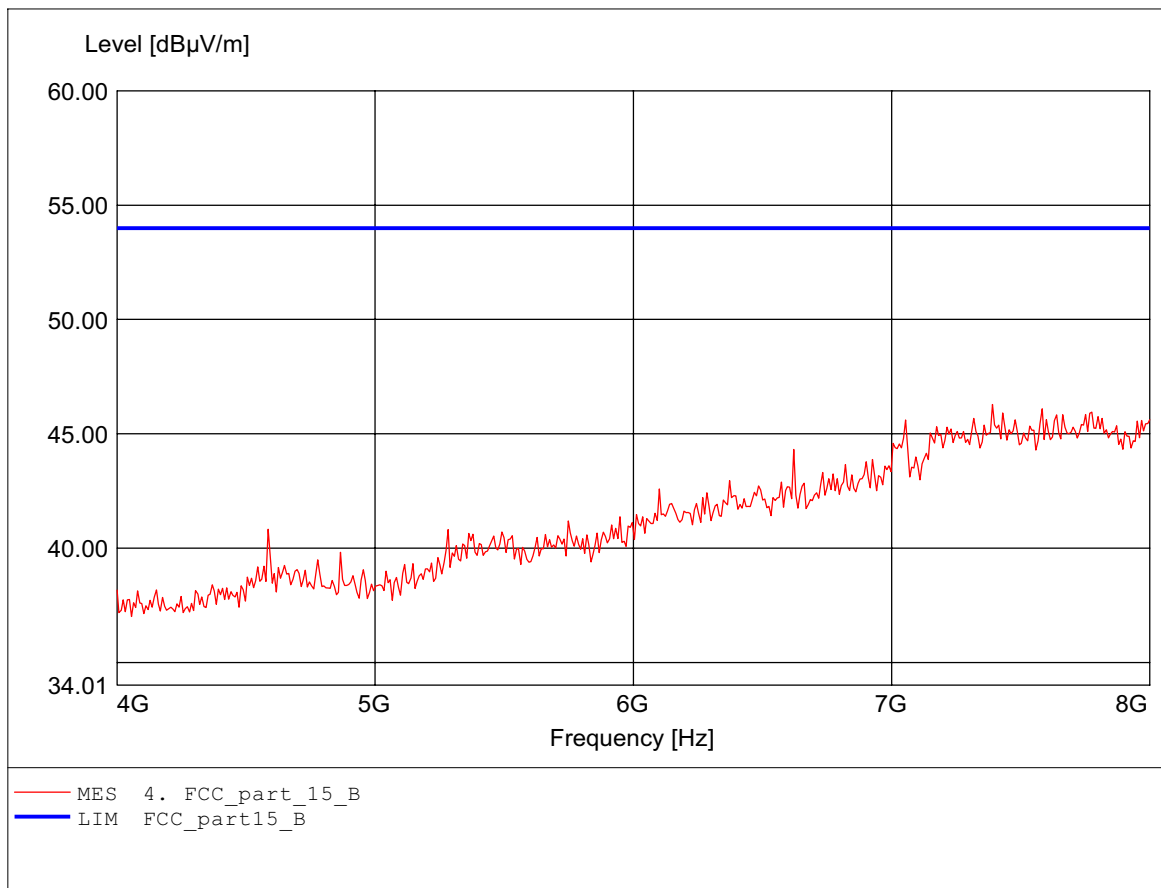
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.992GHz Emax:46.36dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

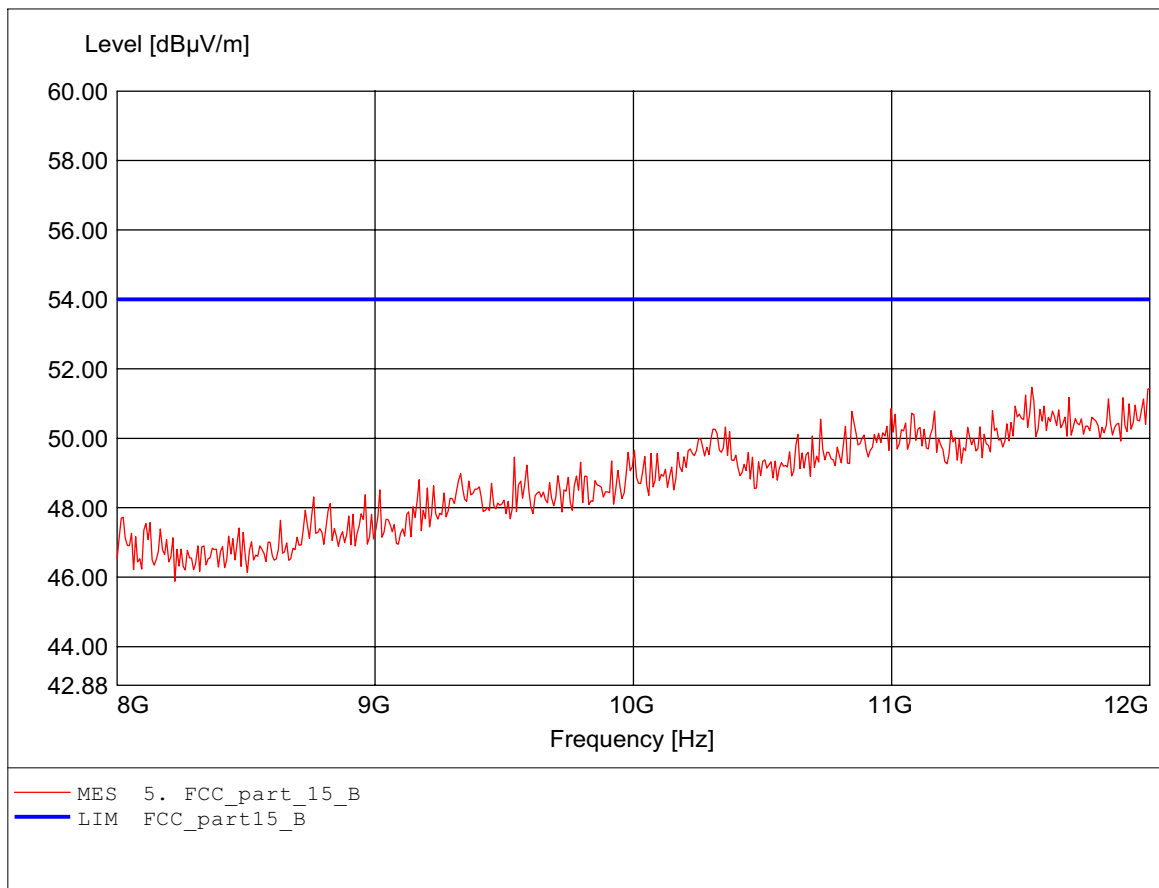
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq: 7.391GHz Emax: 46.29dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

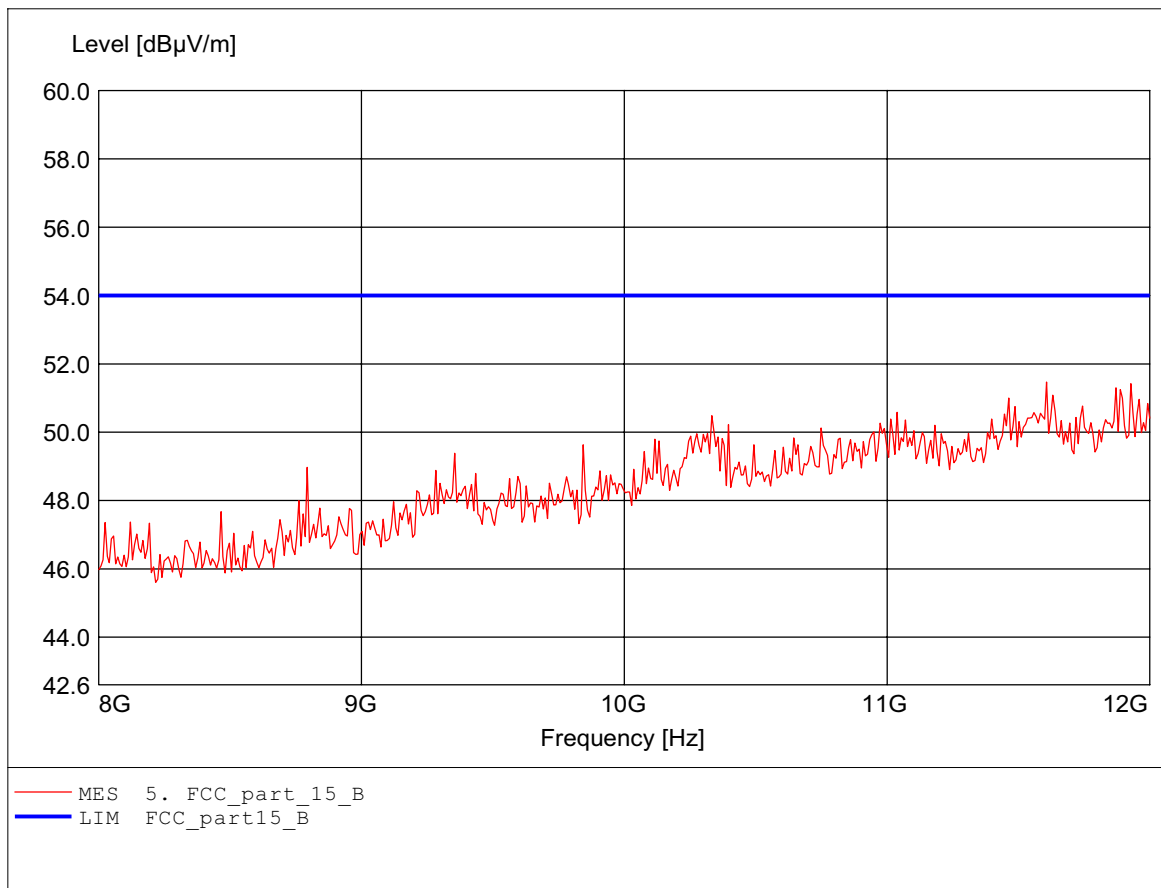
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.543GHz Emax:51.46dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

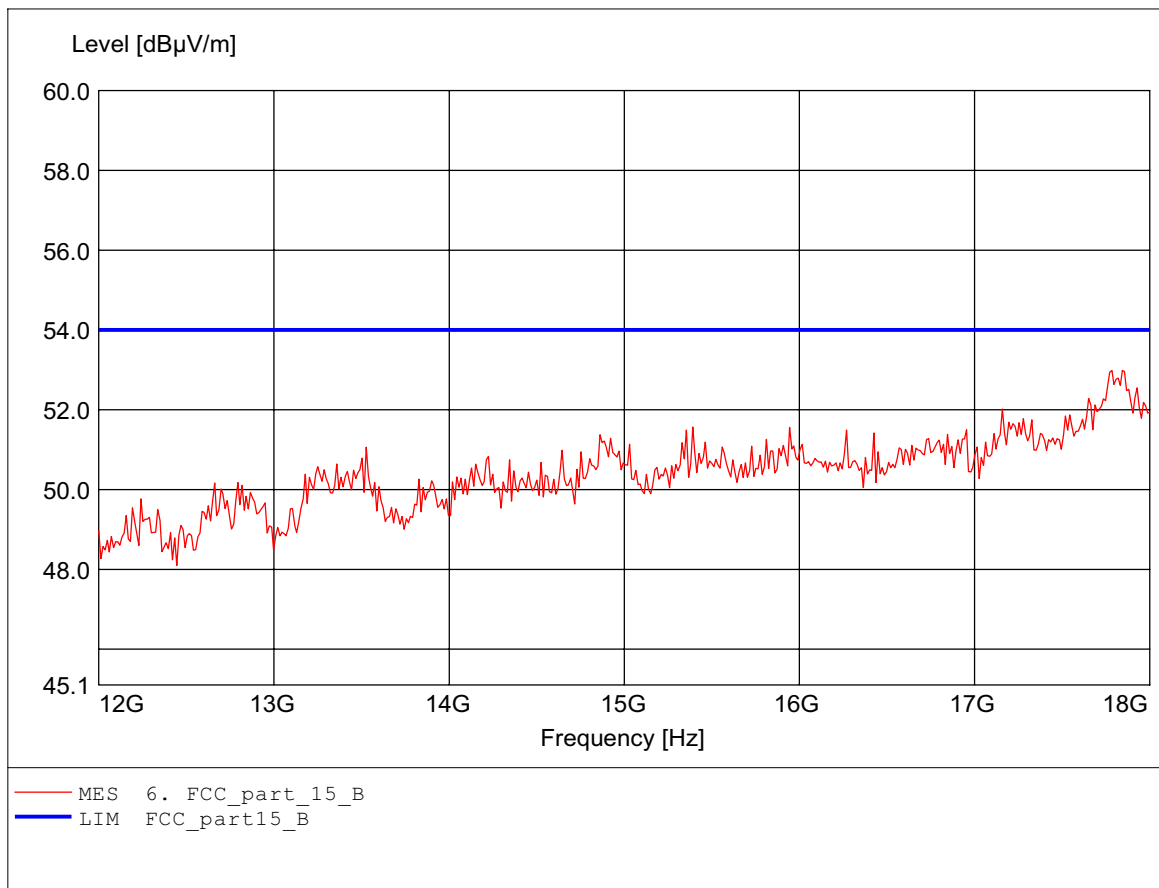
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.607GHz Emax:51.47dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

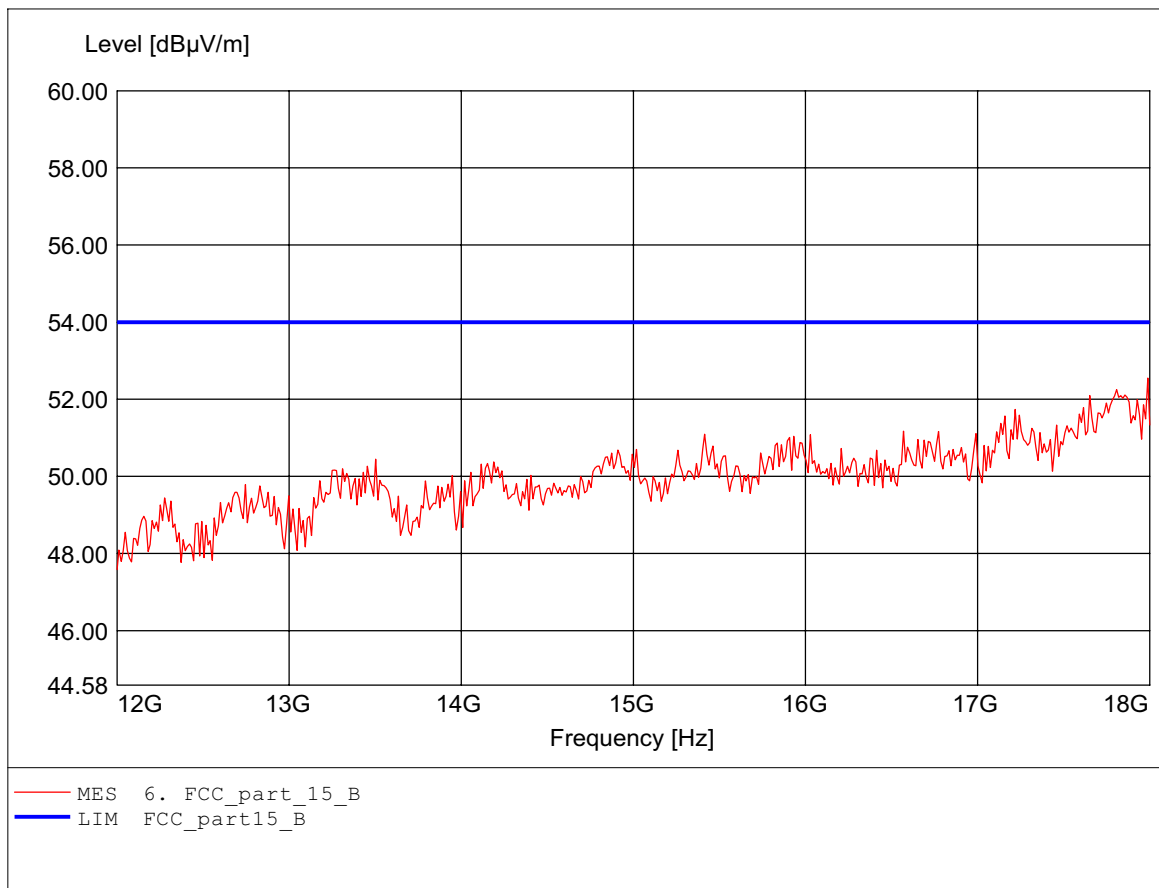
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.844GHz Emax:52.99dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

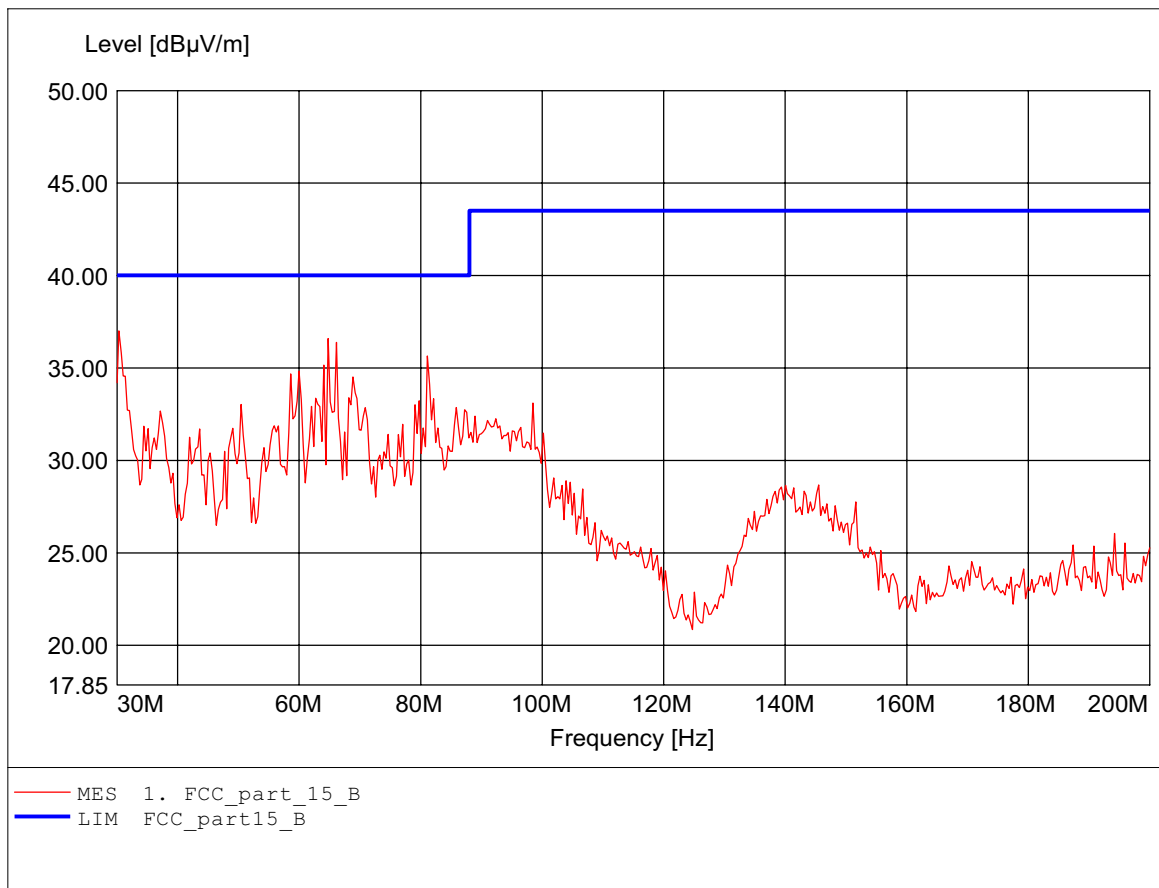
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g middle channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.988GHz Emax:52.55dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

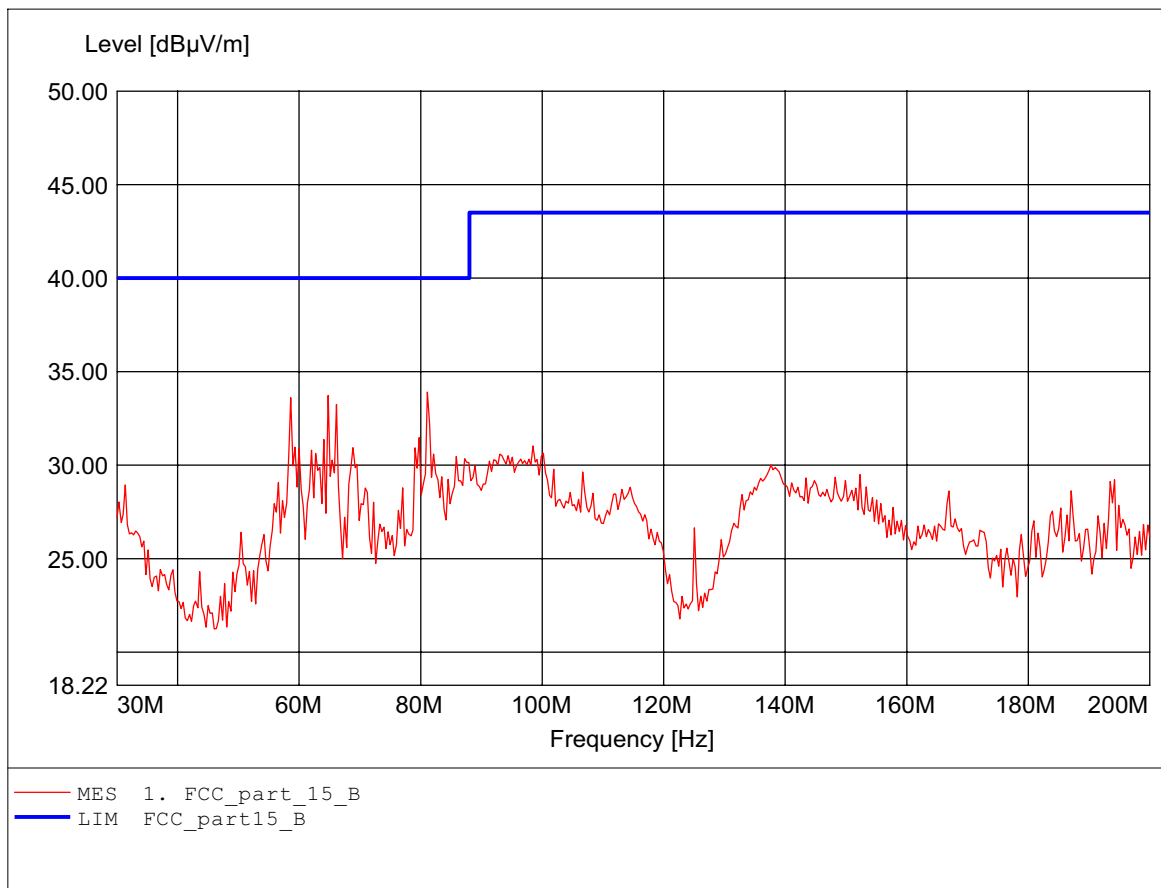
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:30.341MHz Emax:37.02dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

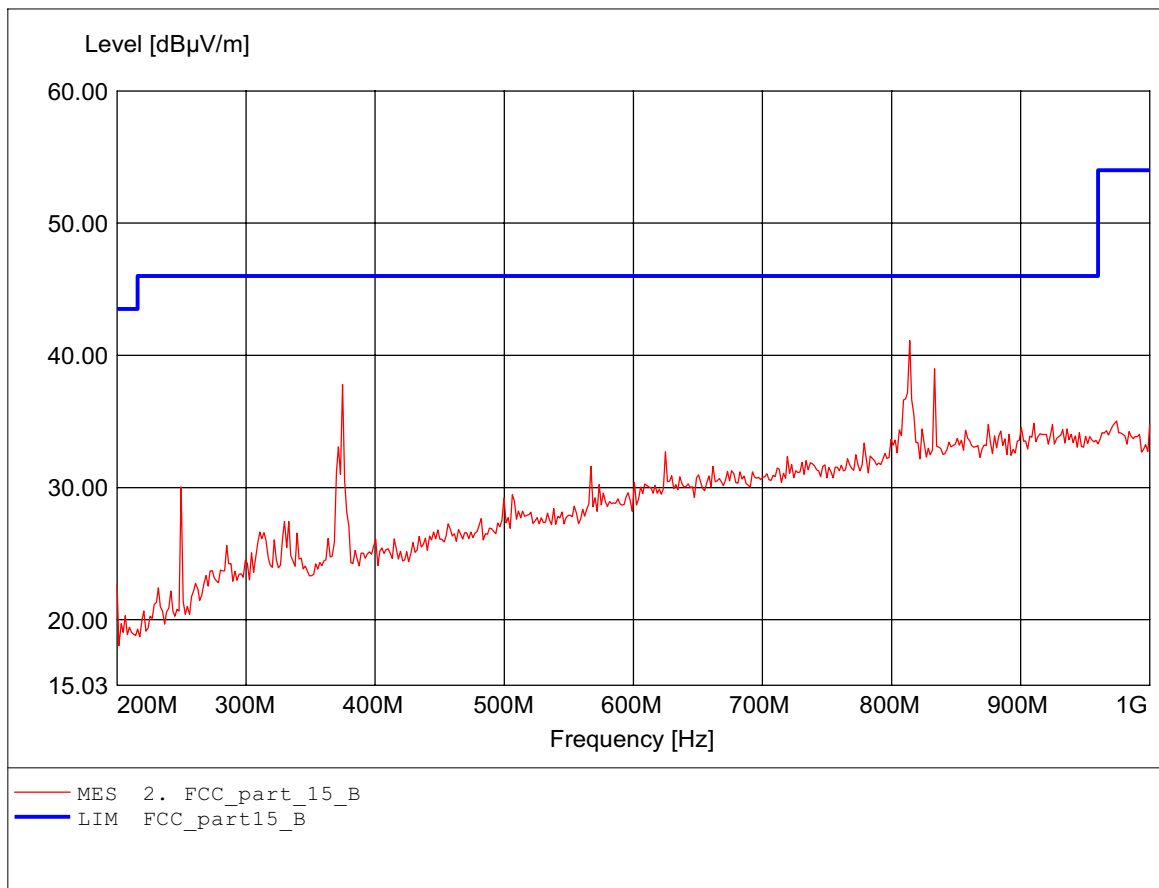
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 81.102MHz Emax: 33.90dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

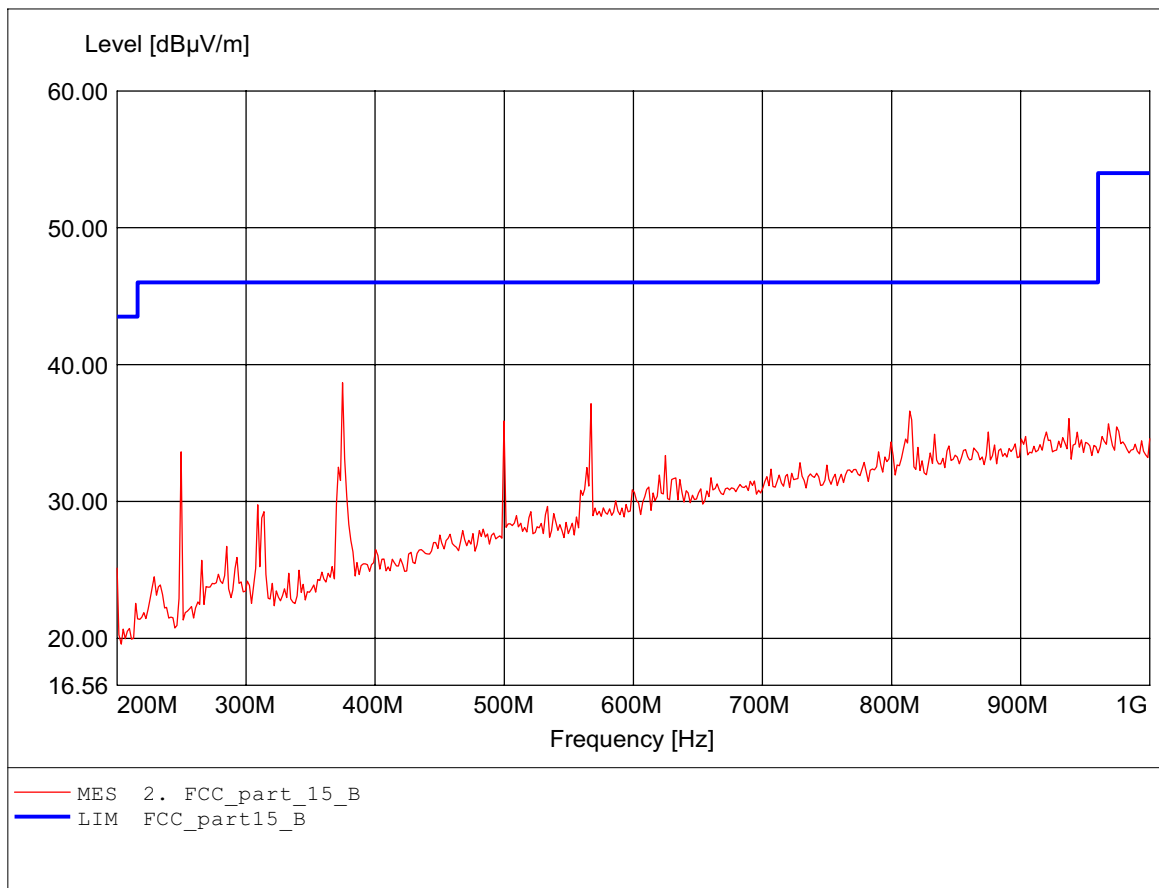
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq: 814.028MHz Emax: 41.11dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

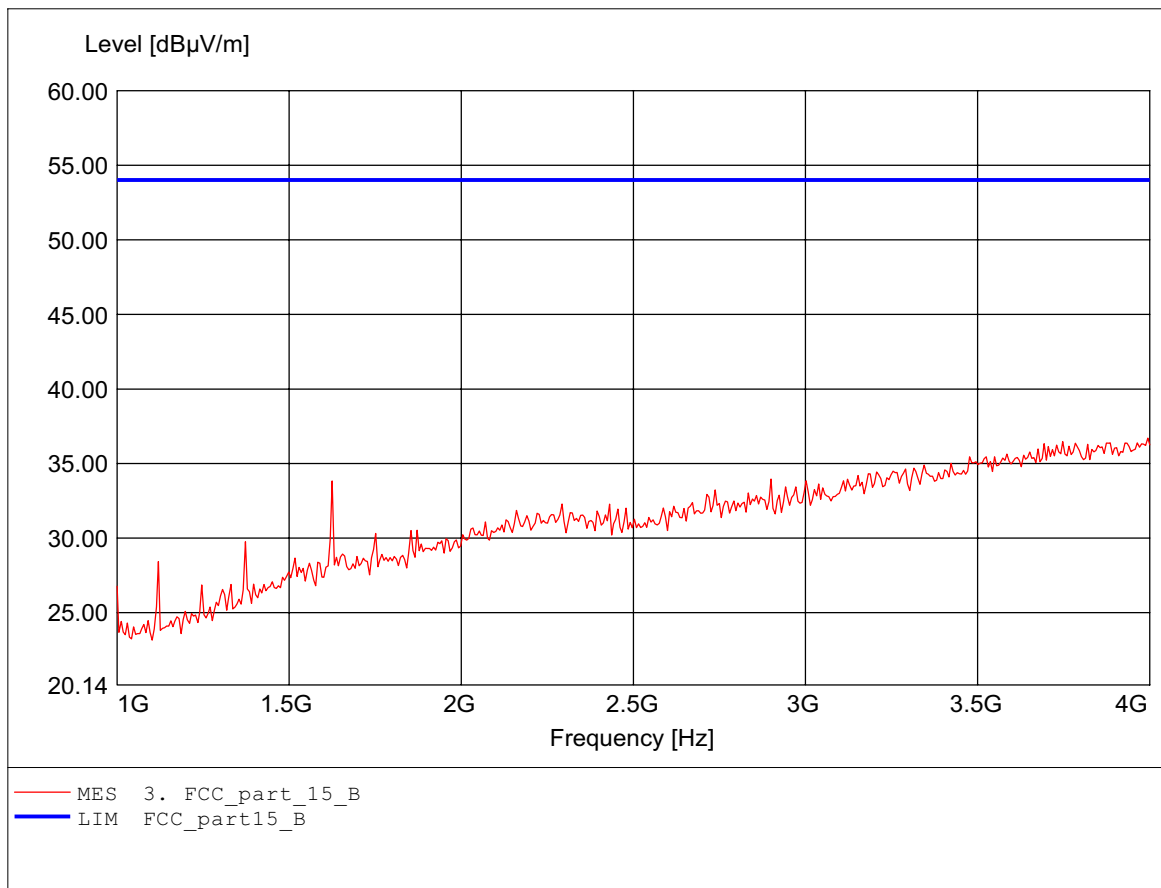
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:374.749MHz Emax:38.69dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

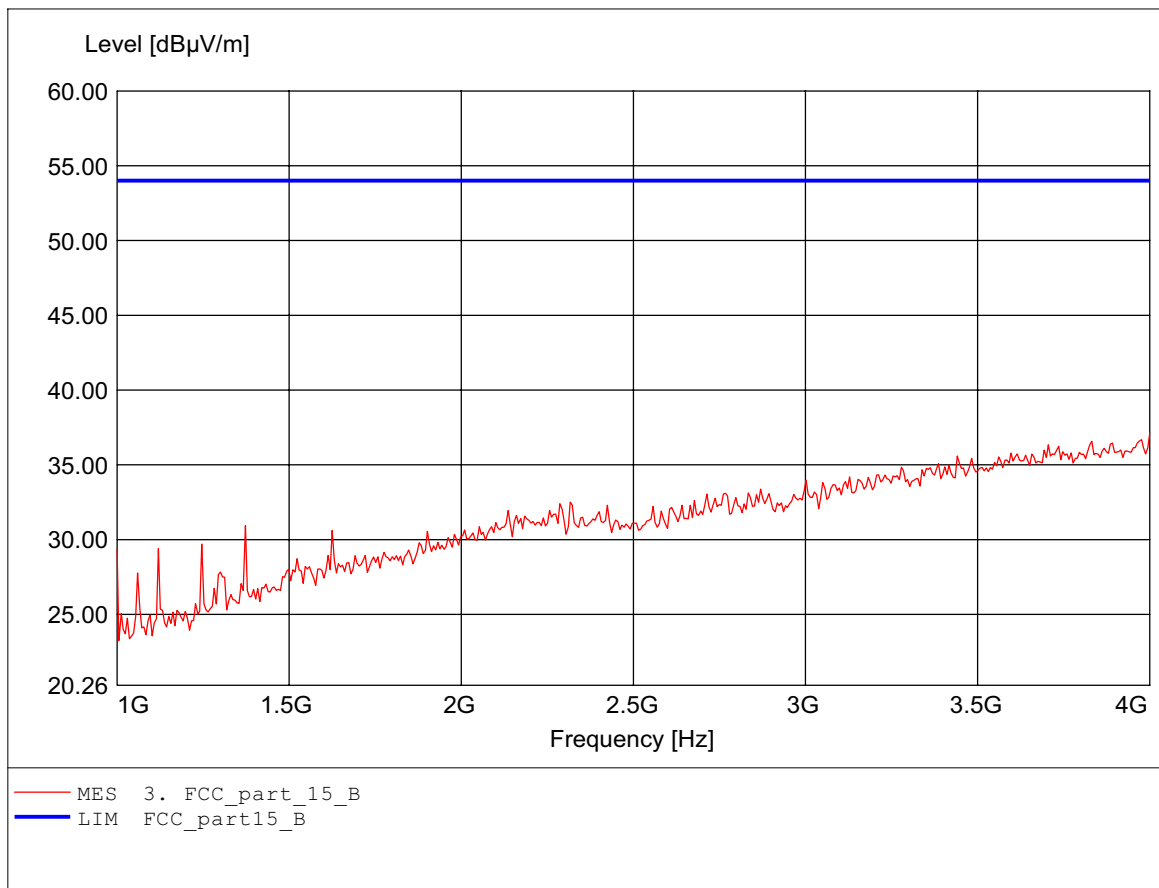
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.994GHz Emax:36.70dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

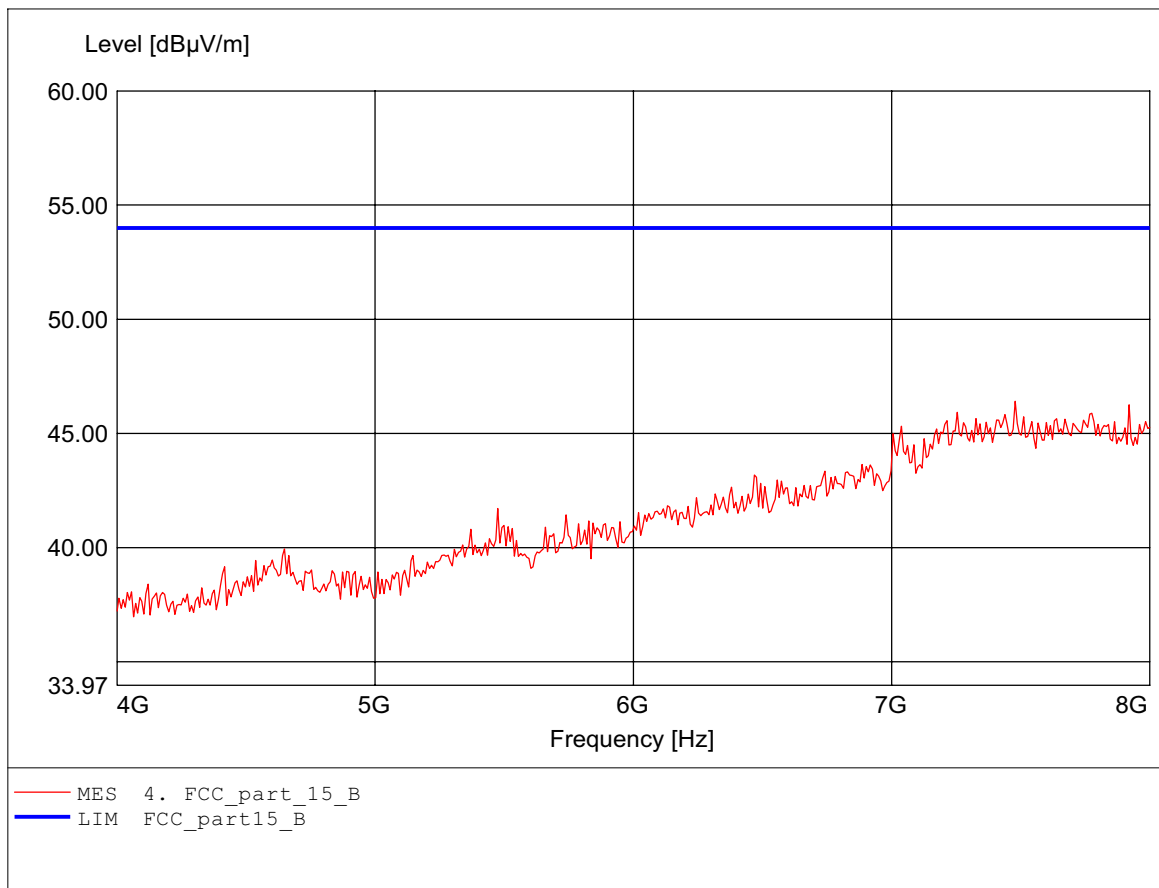
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:4.000GHz Emax:37.13dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

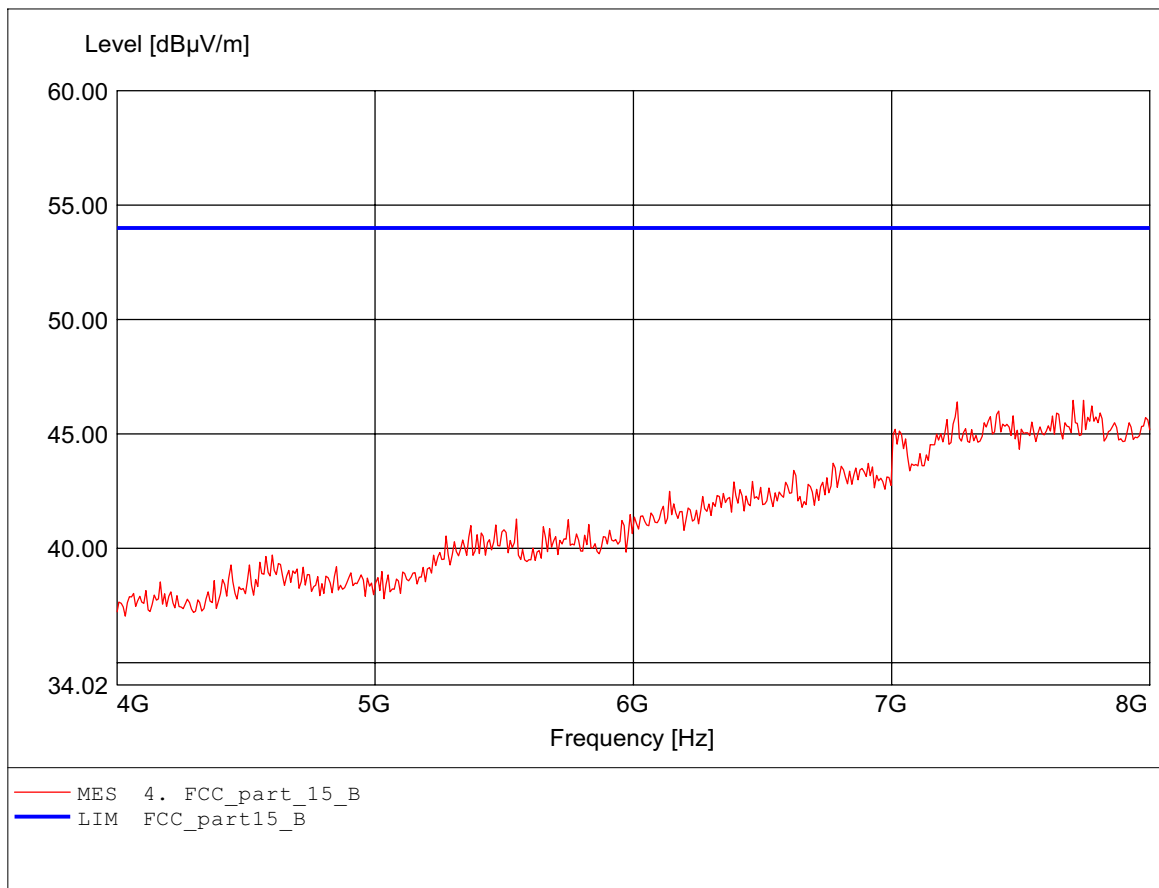
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq: 7.479GHz Emax: 46.42dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

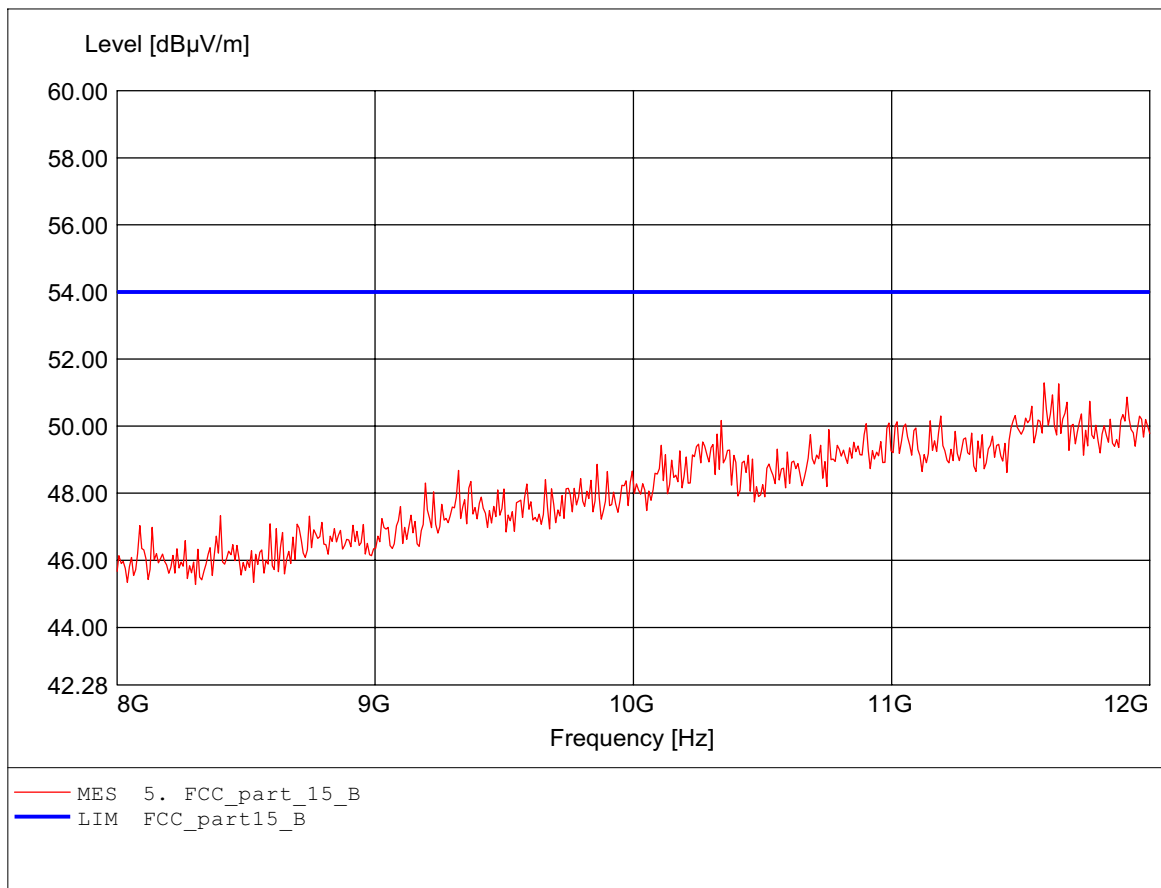
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.743GHz Emax:46.47dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

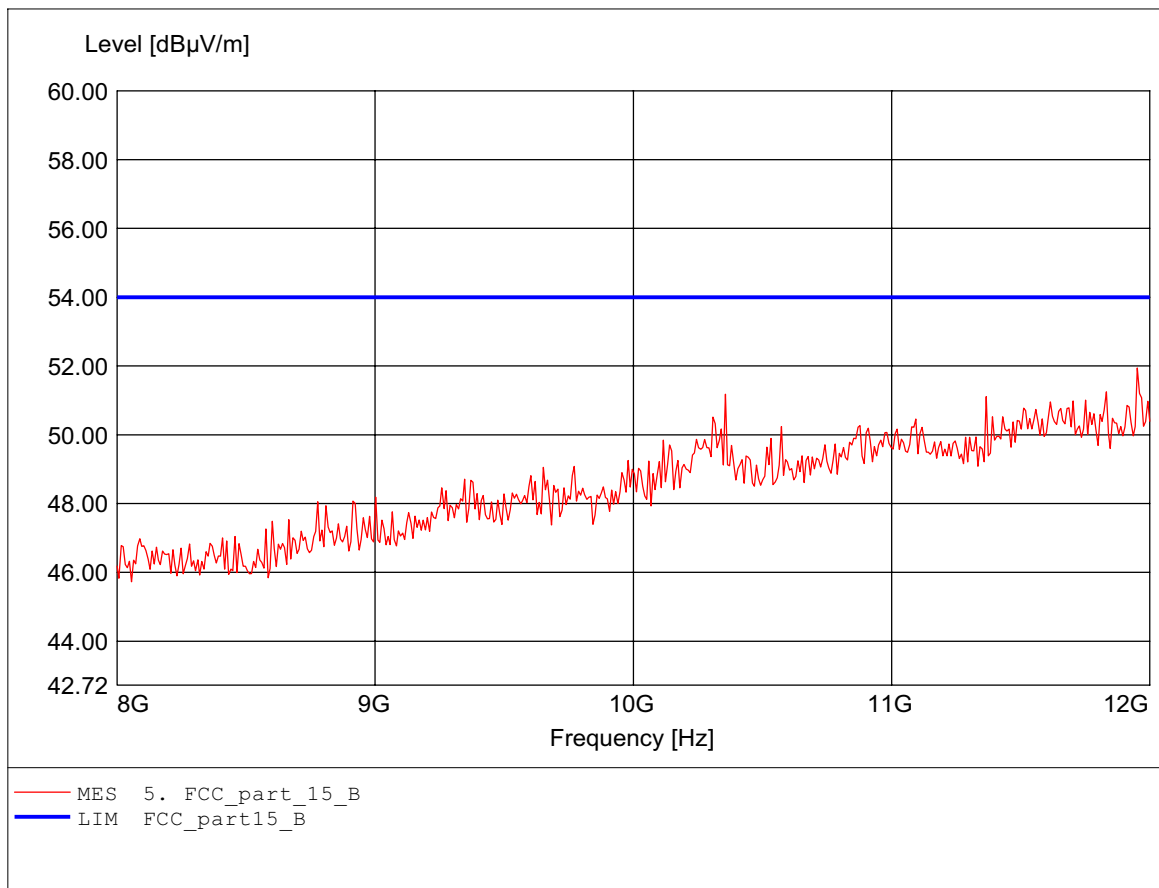
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.591GHz Emax:51.29dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

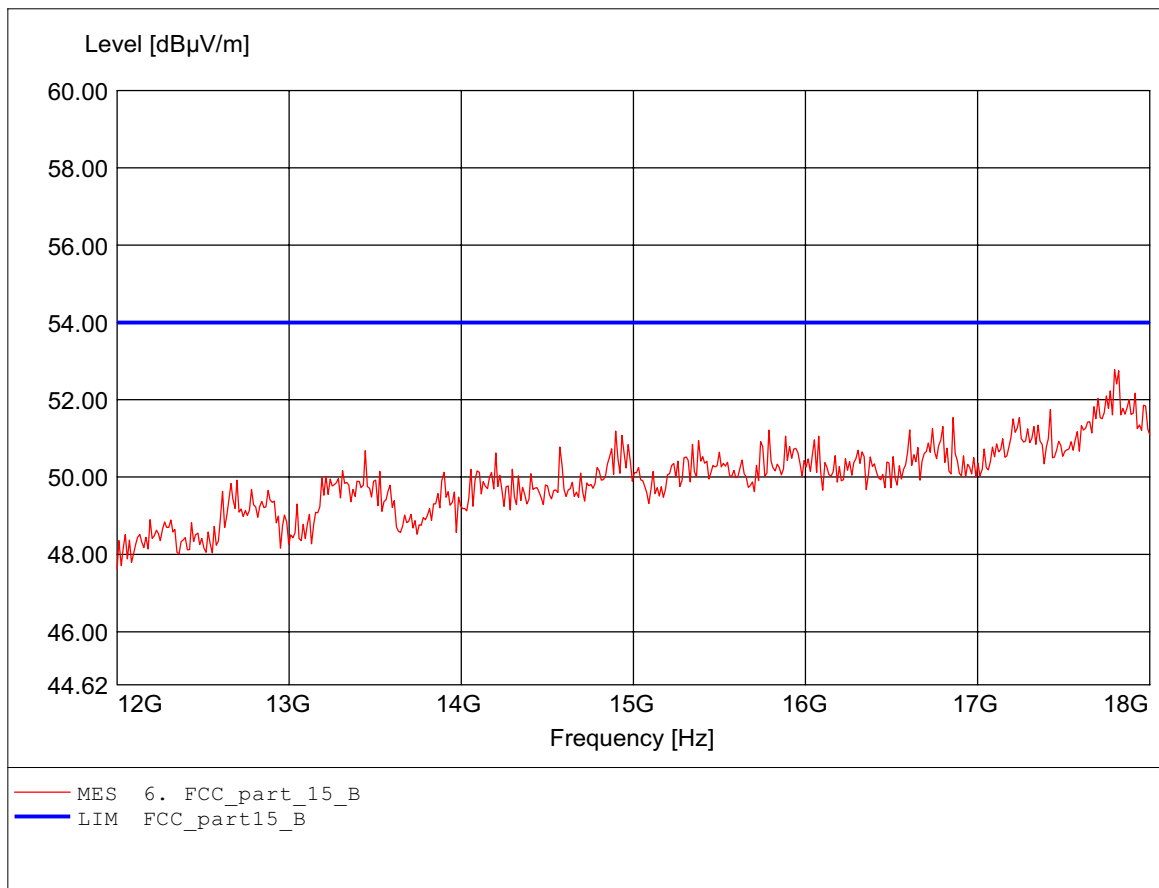
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.952GHz Emax:51.94dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

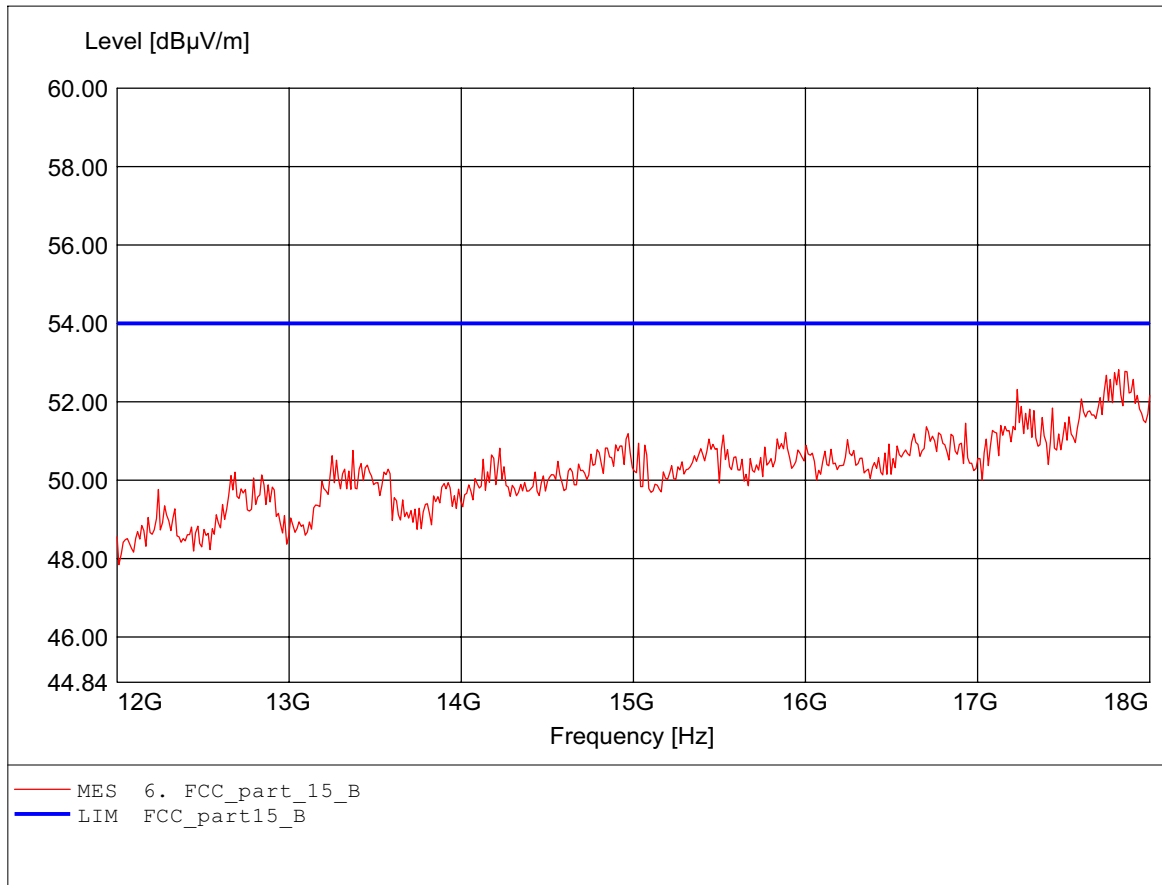
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.796GHz Emax:52.78dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

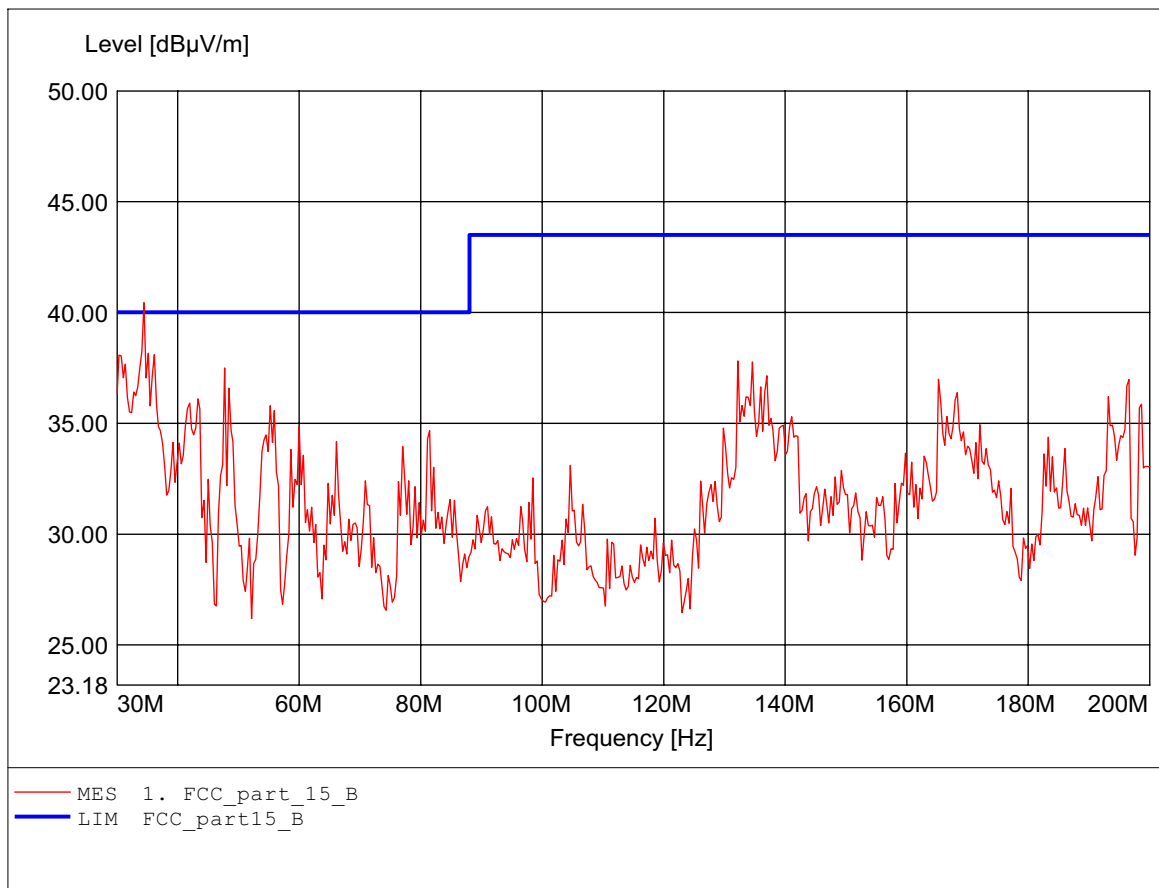
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g 802.11g high channel
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.820GHz Emax:52.82dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

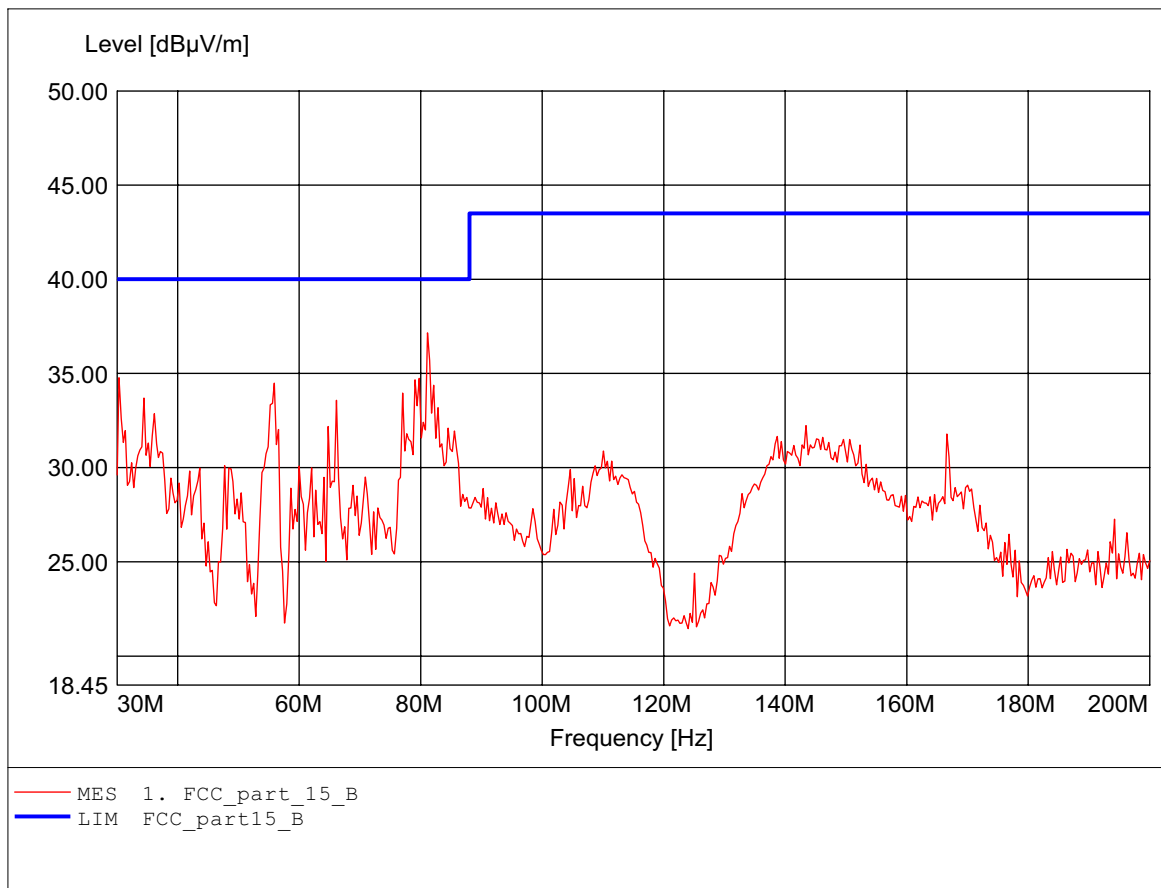
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:34.429MHz Emax:40.44dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

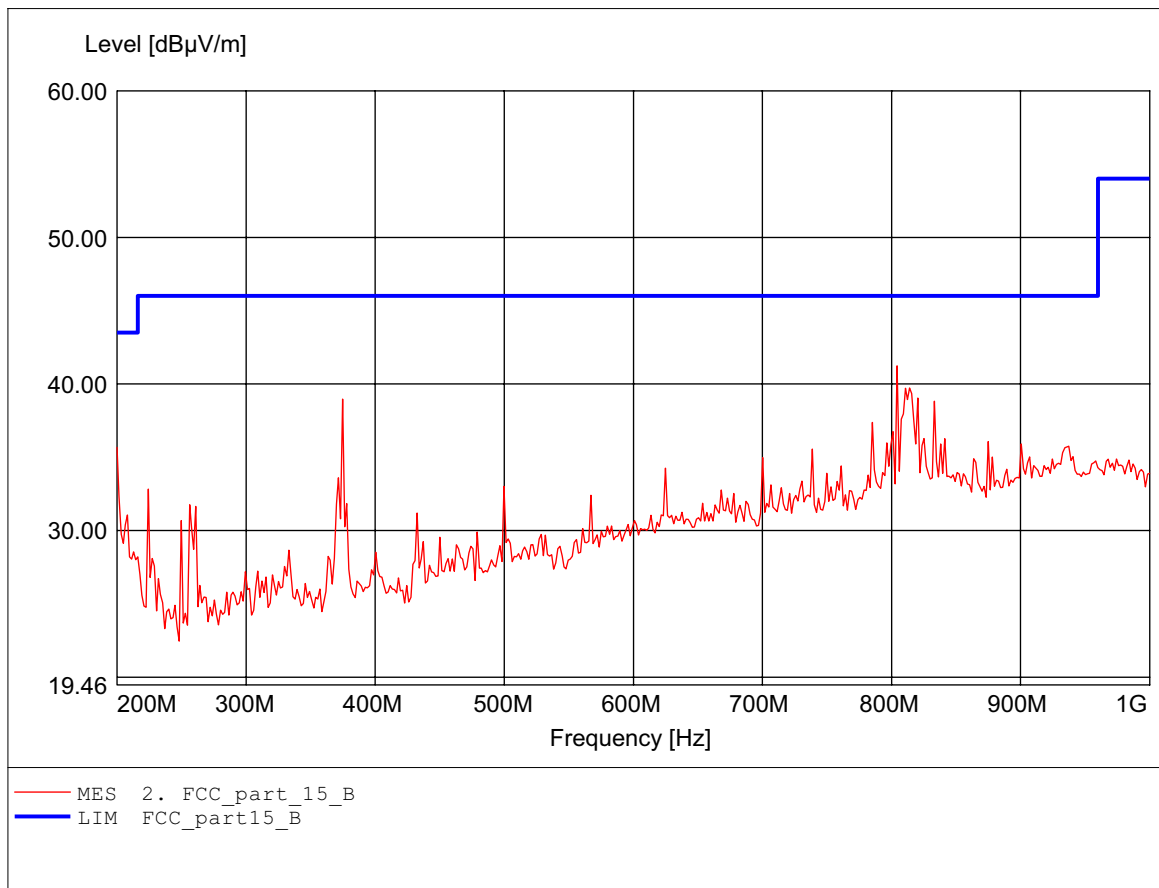
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 81.102MHz Emax: 37.16dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

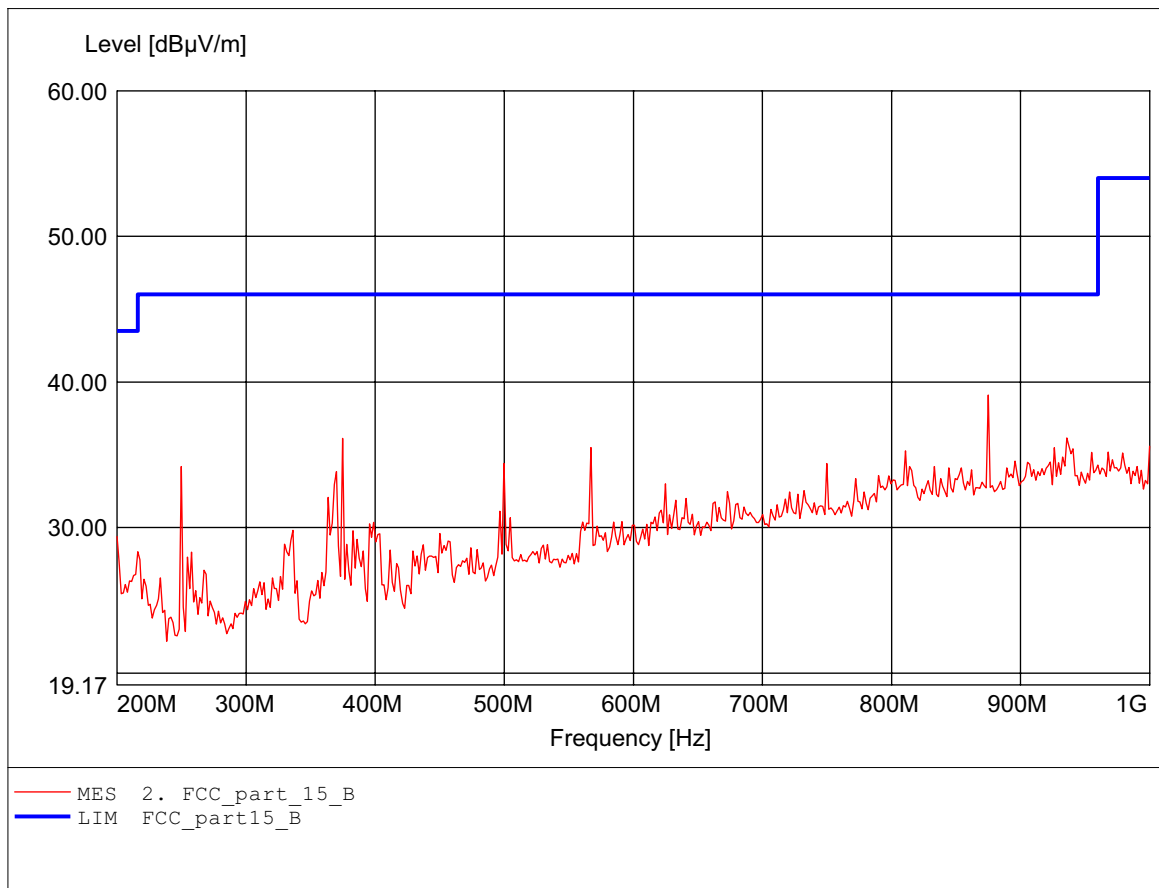
EUT: Wireless Access Point
MODEL NO.: MultiAP 700g
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:804.409MHz Emax:41.24dBμV/m RBW: 100 kHz

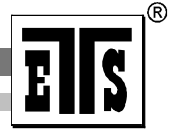


Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

EUT: Wireless Access Point
MODEL NO.: MultiAP 700g
Approval Holder: ValuePoint Networks, Inc.
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC (power on POE)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:874.950MHz Emax:39.11dBμV/m RBW: 100 kHz





Registration number: W6M20601-6544-C-1
FCC ID: TER-MULTIAP-700G

Appendix G

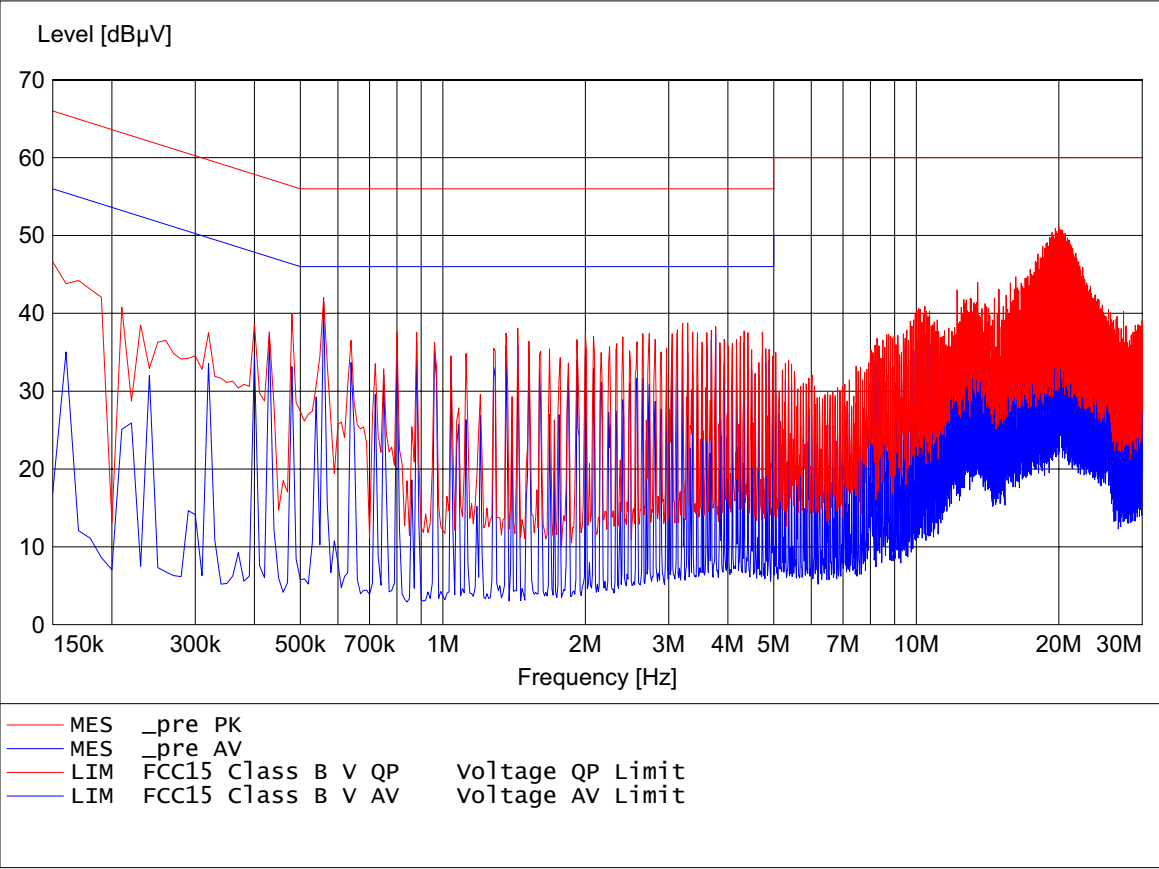
Power Line Conducted Emission

The measurement diagram are wideband pre-scan results; only for reference.

EMI voltage test in the ac-mains according to FCC Part 15

Class B

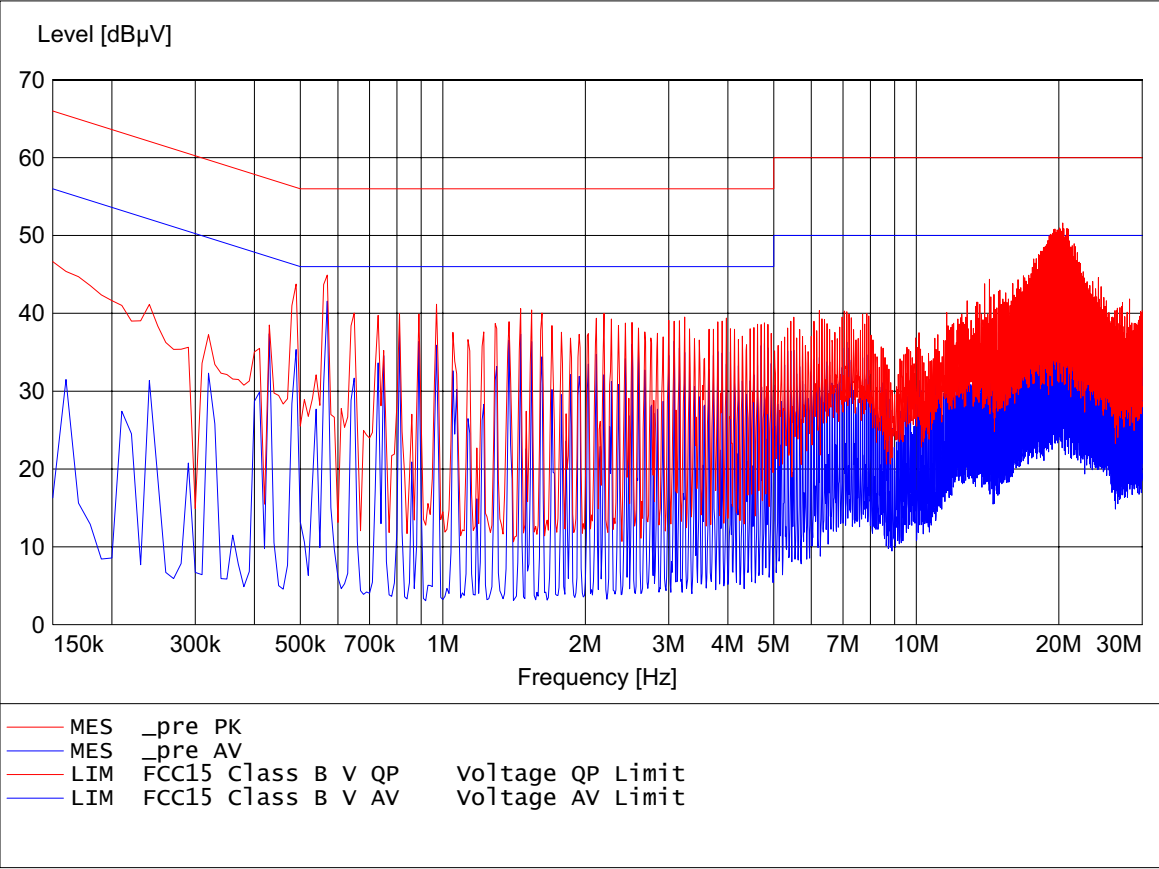
EUT: Wireless Access Point
Approval Holder: ValuePoint Networks, Inc.
Operating Condition: Unom: 120 VAC , Tnom: 23.9°C
Test Site: ETS
Operator: Eric
Test Specification: V-network: ESH3-Z5 N
Comment: model: MultiAP 700g mode: active

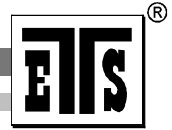


EMI voltage test in the ac-mains according to FCC Part 15

Class B

EUT: Wireless Access Point
Approval Holder: ValuePoint Networks, Inc.
Operating Condition: Unom: 120 VAC , Tnom: 23.9°C
Test Site: ETS
Operator: Eric
Test Specification: V-network: ESH3-Z5 L1
Comment: model: MultiAP 700g mode: active





Registration number: W6M20601-6544-C-2
FCC ID: TER-MULTIAP-700G

Appendix H

Pictures