ETS Dr.Genz Taiwan PS Co., Ltd.

FCC Registration No.: 930600

Industry Canada filed test laboratory Reg. No. IC 5679

A2LA Cert.No.: 2300.01

PTCRB Accredited Type Certification Test House

FCC

TEST - REPORT

FCC Part 15 C for IEEE 802.11 b device

FCC ID: RXZ-WP61R2

Test report no.: W6M20703-7881-C-1

ETS DR.GENZ TAIWAN PS CO., LTD.
6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU, TAIPEI 114, TAIWAN, R.O.C.
PHONE 886-2-66068877 FAX 886-2-66068879

Registration number: W6M20703-7881-C-1
FCC ID: RXZ-WP61R2

TABLE OF CONTENTS

1 General Information

1.1 Notes

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

The test results of this test report relate exclusively to the item tested as specified in 1.5.
The test report may only be reproduced or published in full.
Reproduction or publication of extracts from the report requires the prior written approval of the 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 b.
This report is related to FCC Part 15 C (DSSS device).

Tester:

Date	ETS-Lab.	Name	Signature
April 02, 2007		Jay Chaing	Jay Chaing

Technical responsibility for area of testing:

Date	ETS	Name	Signature
April 02, 2007		Steven Chuang	Steven Chuang

Registration number: W6M20703-7881-C-1
FCC ID: RXZ-WP61R2

1.2 Testing laboratory

1.2.1 Location

OATS
No.5-1, Shuang Sing Village,
LiShuei Rd., Wanli Township,
Taipei County 207, Taiwan (R.O.C.)

Company
ETS Dr.Genz Taiwan PS Co., Ltd.
6F, NO. 58, LANE 188, RUEY-KUANG RD.
NEIHU, TAIPEI 114, TAIWAN R.O.C.
Tel : 886-2-66068877
Fax : 886-2-66068879

1.2.2 Details of accreditation status

Accredited testing laboratory

A2LA-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	: Pro-Nets Technology Corporation
Street	: 7F, No.95,Lide St, Chung Ho City
Town	: Taipei 235
Country	: Taiwan R.O.C
Telephone	: +886-2-8221-8385
Fax	: +886-2-3234-5818

1.4 Application details

Date of receipt of application : March 05, 2007
Date of receipt of test item : March 09, 2007
Date of test : from March 10, 2007 to April 02, 2007

1.5 General information of Test item

Type of test item : WIRELESS PCI ADAPTER
Model Number : WP61R2
Brand Name : PRO-NETS , Speed Com+ , Jet Com , Medilink , Encore
Hardware : Ver: 2.0
Software : Ver:5.1094.1122.2006
Multi-listing model number : ENLWI-G2 , IT-WL543
Photos : see Appendix

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 : Reverse SMA Antenna

Antenna gain : 2.0 dBi

Power supply : 3.3 VDC (power on PC)

Emission designator : 15M6G1D

Registration number: W6M20703-7881-C-1
FCC ID: RXZ-WP61R2

Host device: none

Classification :

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

Transmitter **Unom**

Power (ch A) : Conducted: 12.99 dBm
Power (ch B) : Conducted: 12.99 dBm
Power (ch C) : Conducted: 13.11 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 802.11b 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 B / SUBPART C § 15.247 : August, 2006

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 : 3.3 VDC (power on PC)

Extreme conditions parameters : --

Comment: The testing items of this test report are all according to customer's request

Registration number: W6M20703-7881-C-1
FCC ID: RXZ-WP61R2

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	2006/10/16	2007/10/15
ETSTW-CE 002	PREREULATOR MODE DC POWER SUPPLY	None	None		Function Test	
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2006/10/16	2007/10/15
ETSTW-CE 005	Line-Impedance Stabilisation Network	NNBM 8126D	137	Schwarzbeck	2006/10/16	2007/10/15
ETSTW-CE 006	IMPULS-BEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	In House Certificate	
ETSTW-CE 008	ABSORBING CLAMP	MDS 21	3469	ABSORPTIONS-MESSWANDLER-ZANGE	2005/10/24	2007/10/23
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2006/8/17	2007/8/16
ETSTW-CE 013	CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK	FCC-TLISN-T4-02	20242	FCC	2005/12/8	2007/12/7
ETSTW-CE 014	CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK	FCC-TLISN-T2-02	20241	FCC	2005/12/7	2007/12/6
ETSTW-CE 015	CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK	FCC-TLISN-T8-02	20307	FCC	2006/11/7	2008/11/6
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2006/11/21	2007/11/20
ETSTW-RE 002	Function Generator	33220A	MY43004982	Agilent	2005/10/14	2007/10/13
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2006/10/20	2007/10/19
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2006/10/30	2007/10/29
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2006/10/12	2007/10/11
ETSTW-RE 010	PROGRAMMABLE LINEAR POWER SUPPLY	LPS-305	30503070181	MOTECH	Function Test	
ETSTW-RE 011	PROGRAMMABLE LINEAR POWER SUPPLY	LPS-305	30503070165	MOTECH	Function Test	
ETSTW-RE 017	ANTENNA	HL025	352886/001	R&S	2006/5/4	2008/5/3
ETSTW-RE 018	ANTENNA	AT4560	24212	AR	2004/11/8	2007/11/7
ETSTW-RE 020	MICROWAVE HORN ANTENNA	AT4002A	306915	AR	Function Test	
ETSTW-RE 021	SWEEP GENERATOR	SWM05	835130/010	R&S	2006/10/11	2007/10/10
ETSTW-RE 027	Passive Loop Antenna	6512	34563	EMCO	2004/6/30	2007/6/29
ETSTW-RE 028	Log-Periodic DipoleArray Antenna	3148	34429	EMCO	2006/5/26	2008/5/25
ETSTW-RE 029	Biconical Antenna	3109	33524	EMCO	2006/5/26	2008/5/25
ETSTW-RE 030	Double-Ridged Waveguide Horm Antenna	3117	35224	EMCO	2006/5/3	2008/5/2
ETSTW-RE 032	Millivoltmeter	URV 55	849086/013	R&S	2006/10/11	2007/10/10
ETSTW-RE 033	4CH 1GHz 5GS/s DSO	WAVERUNNER 6100A	LCRY0604P14508	LeCroy	2006/7/27	2007/7/26
ETSTW-RE 034	Power Sensor	URV5-Z4	839313/006	R&S	2005/10/17	2007/10/16
ETSTW-RE 042	ANTENNA	HK116	100172	R&S	2007/1/11	2009/1/10
ETSTW-RE 043	ANTENNA	HL223	100166	R&S	2006/5/8	2008/5/7
ETSTW-RE 044	ANTENNA	HL050	100094	R&S	2006/5/29	2008/5/28

Registration number: W6M20703-7881-C-1
FCC ID: RXZ-WP61R2

ETSTW-RE 048	Triple Loop Antenna	HXYZ 9170	HXYZ 9170-134	Schwarzbeck	2005/3/22	2008/3/21
ETSTW-RE 049	TRILOG Super Broadband test Antenna	VULB 9160	9160-3185	Schwarzbeck	2005/5/19	2007/5/18
ETSTW-RE 055	SPECTRUM ANALYZER	FSU-26	200074	R&S	2006/7/28	2007/7/27
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function Test	

2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-2003 using a 50μH LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was according to ANSI STANDARD C63.4-2003 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 EUT 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 dBμV) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

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

The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.4-2000 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.Genz 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.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

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

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

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

ANTENNA & GROUND:
This unit uses Reverse SMA Antenna. (see photos)

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.

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°C	V_{nom} = 3.3 V	12.99	12.99	13.11

Test condition T_{nom}= 23°C, V_{nom} = 3.3 V	Signal Field strength TX highest power mode dB μ V/m
Frequency [MHz]	
2437	104.82

Comments: 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 dBi and using fixed point-to point operation consider §15.247 (b)(4)

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 055

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

Registration number: W6M20703-7881-C-1
FCC ID: RXZ-WP61R2

3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain
EIRP = 13.11 dBm + 2.0 dBi
= 15.11 dBm
Limit: EIRP = +36 dBm for Antenna gain <6dBi

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 017, ETSTW-RE 021, ETSTW-RE 028, ETSTW-RE 030, ETSTW-RE 043 ETSTW-RE 044

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	Comments
P	mW	20.46445	Peak value
D	dB		
AG	dBi	2.0	
G		1.6	Calculated Value
R	cm	20	Assumed value
S	mW/cm^2	0.006	Calculated value

Limits:

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

3.4 Transmitter Radiated Emissions in Restricted Bands

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

Frequency ≦ 1 GHz, RBW:100 kHz, VBW: 100 kHz (Peak measurements)
Frequency ＞1 GHz, RBW: 1 MHz, VBW: 1 MHz (Peak measurements)
Frequency ＞1 GHz , RBW:1 MHz , VBW: 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 DSSS Systems:
“If the emission is pulsed, modify the unit for continuous operation, use the setting shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.”

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

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

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

Comment: see attached diagrams in Appendix.

3.5 Spurious Emissions (tx)

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

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

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

Max. reading – 20 dB
104.82 dB μ V/m- 20 dB= 84.82 dB μ 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 (dwell time/100ms)
For frequencies above 1GHz (Peak measurements).
Modified Limit for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

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

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

Test equipment used: ETSTW-RE 003 ETSTW-RE 004 ETSTW-RE 017 ETSTW-RE 028 ETSTW-RE 029 ETSTW-RE 030 ETSTW-RE 042 ETSTW-RE 043 ETSTW-RE 044

Comment: see attached diagrams in Appendix.

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)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
H	1593.1863	56.56	-7.05	PK	49.51	54	4.49	140	200
	2389.5791	40.78	2.07	PK	42.85	54	11.15	125	210
	7575.1849	45.59	6.90	PK	52.49	54	1.51	130	175

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
V	2320.0412	47.91	2.11	PK	50.02	54	3.98	115	305
	2389.5791	41.38	2.07	PK	43.45	54	10.55	125	210
	7575.0206	44.02	6.90	PK	50.92	54	3.08	130	175

CH 6

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
H	1593.1863	57.02	-7.05	PK	49.97	54	4.03	140	200
	2389.5791	40.67	2.07	PK	42.74	54	11.26	125	210
	5125.4880	46.20	4.02	PK	50.22	54	3.78	120	305

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
V	2360.7214	48.14	2.08	PK	50.22	54	3.78	140	280
	2389.5791	42.93	2.07	PK	45.00	54	9.00	125	210
	7343.0703	45.80	6.28	PK	52.08	54	1.92	150	150

Registration number: W6M20703-7881-C-1
FCC ID: RXZ-WP61R2

CH 11

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
H	1593.1863	56.82	-7.05	PK	49.77	54	4.23	140	200
	2483.5000	44.30	-1.11	PK	43.19	54	10.81	100	100
	7487.8436	45.36	6.73	PK	52.09	54	1.91	135	270

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
V	2359.9198	48.27	2.08	PK	50.35	54	3.65	140	280
	2483.5000	44.97	-1.11	PK	43.86	54	10.14	100	100
	5001.2749	46.61	3.94	PK	50.55	54	3.45	145	300

Note
1. **Correction Factor = Antenna factor + Cable loss - Preamplifier**
2. **The formula of measured value as: Test Result = Reading + Correction Factor**
3. **Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
4. **All not in the table noted test results are more than 20 dB below the relevant limits.**

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

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

Test equipment used: ETSTW-RE003 ETSTW-RE 004 ETSTW-RE 017 ETSTW-RE 028
ETSTW-RE029 ETSTW-RE 030 ETSTW-RE 042 ETSTW-RE 043 ETSTW-RE 044

Comment: see attached diagrams in Appendix.

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°C	V_{nom} = 3.3 V	9.583333333 MHz	9.583333333 MHz	9.743589744 MHz

Limits:

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

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 055

Comment: see attached diagrams in Appendix.

3.7 Peak Power Spectral Density

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

Test conditions		Peak Power Spectral Density (3 kHz)		
		Channel A [dBm]	Channel B [dBm]	Channel C [dBm]
T_{nom}= 23°C	V_{nom} = 3.3 V	-11.60	-11.62	-11.53

Limits:

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

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 055

Comment: see attached diagrams in Appendix.

3.8 Radiated Emission from Digital Part And Receiver L.O.

FCC Rule: 15.109

Summary table with radiated data of the test plots

RX

CH 1

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
H	99.8400	19.49	11.49	PK	30.98	43.5	12.52	325	175
	632.8660	20.13	22.44	PK	42.57	46	3.43	120	200
	3200.0018	47.62	0.34	PK	47.96	54	6.04	135	210

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
V	199.3190	22.21	12.18	PK	34.39	43.5	9.11	120	105
	632.8660	17.74	22.44	PK	40.18	46	5.82	315	200
	3934.2149	46.73	2.72	PK	49.45	54	4.55	125	305

CH 6

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
H	99.8400	19.69	11.49	PK	31.18	43.5	12.32	325	175
	632.8660	18.64	22.44	PK	41.08	46	4.92	120	200
	1589.2715	56.16	-7.06	PK	49.10	54	4.90	145	275

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
V	199.3190	23.72	12.18	PK	35.90	43.5	7.60	120	105
	632.8660	19.26	22.44	PK	41.70	46	4.30	315	200
	3952.2184	45.43	2.92	PK	48.35	54	5.65	125	250

CH 11

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
H	99.4990	19.68	11.49	PK	31.17	43.5	12.33	325	175
	878.1560	16.94	25.80	PK	42.74	46	3.26	135	270
	3188.3496	49.70	0.29	PK	49.99	54	4.01	140	100

Registration number: W6M20703-7881-C-1
FCC ID: RXZ-WP61R2

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
V	35.7920	22.53	13.26	PK	35.79	40	4.21	100	300
	879.7600	15.05	25.83	PK	40.88	46	5.12	330	270
	3940.8188	45.71	2.79	PK	48.50	54	5.50	125	250

Digital

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
H	144.1280	10.42	14.33	PK	24.75	30	5.25	325	200
	180.2400	13.68	13.28	PK	26.96	30	3.04	310	175
	716.2320	9.07	24.36	PK	33.43	37	3.57	125	240

Antenna Polarization	Frequency Marker (MHz)	Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Azimuth (degree)
V	125.0500	12.87	13.03	PK	25.90	30	4.10	120	210
	200.0000	15.35	11.56	PK	26.91	30	3.09	110	170
	687.3750	9.24	23.65	PK	32.89	37	4.11	325	250

Note
1. **Correction Factor = Antenna factor + Cable loss - Preamplifier**
2. **The formula of measured value as: Test Result = Reading + Correction Factor**
3. **Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
4. **All not in the table noted test results are more than 20 dB below the relevant limits.**

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

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

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 017, ETSTW-RE 028, ETSTW-RE 029, ETSTW-RE 030, ETSTW-RE 042 ETSTW-RE 043 ETSTW-RE 044

Comment: see attached diagrams in Appendix.

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

LISN type	Frequency Marker	Reading (dBuV)		Correction Factor	Test Result (dBuV)		Compliance Limit (dBuV)		Margin (dB)	
N	MHz	QP	AV	dB	QP	AV	QP	AV	QP	AV
	0.195	23.11	16.34	10.10	33.21	26.44	63.82	53.82	30.61	27.38
	1.185	23.56	22.48	10.10	33.66	32.58	56.00	46.00	22.34	13.42
	19.900	38.30	35.35	10.10	48.40	45.45	60.00	50.00	11.60	4.55

LISN type	Frequency Marker	Reading (dBuV)		Correction Factor	Test Result (dBuV)		Compliance Limit (dBuV)		Margin (dB)	
L1	MHz	QP	AV	dB	QP	AV	QP	AV	QP	AV
	0.235	27.63	26.19	10.10	37.73	36.29	62.27	52.27	24.54	15.98
	0.585	25.42	24.29	10.10	35.52	34.39	56.00	46.00	20.48	11.61
	19.890	37.22	33.73	10.10	47.32	43.83	60.00	50.00	12.68	6.17

Note 1. The formula of measured value as: Test Result = Reading + Correction Factor
2. The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss
3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average
4. All not in the table noted test results are more than 20 dB below the relevant limits.

Limits:

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

Test equipment used: ETSTW-CE 001 ETSTW-CE 003 ETSTW-CE 004 ETSTW-CE 006
ETSTW-CE 011

Comment: see attached diagrams in Appendix.

Appendix

Measurement diagrams

1. Peak Output Power

2 . Spurious Emissions radiated
(The measurement diagrams plots attached below are preliminary wideband scan with a peak detector for reference only. The final test results are listed on section 3.5)

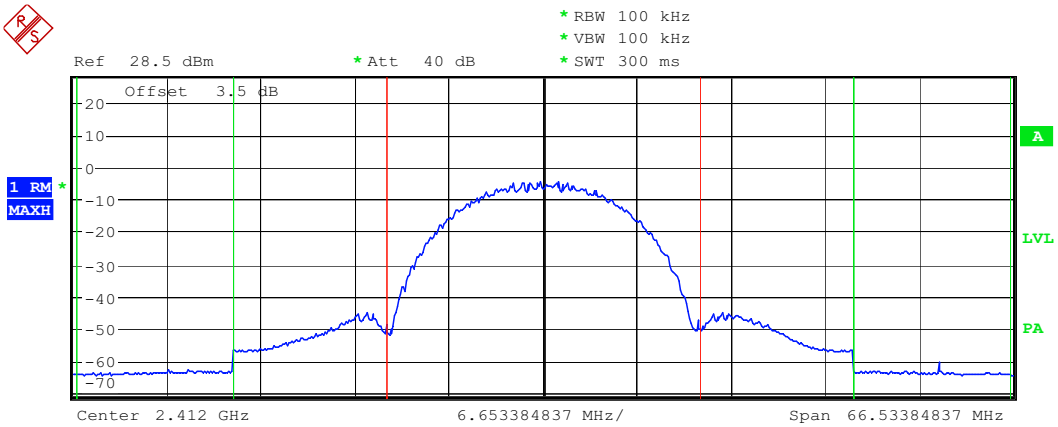
3. Band Edge Measurement

4. Minimum 6dB Bandwidth

5. Peak Power Spectral Density

6. Radiated Emissions from Receiver Section of Transceiver
(The measurement diagrams plots attached below are preliminary wideband scan with a peak detector for reference only. The final test results are listed on section 3.8)

7. Power Line Conducted Emission
(The measurement diagrams plots attached below are preliminary wideband scan with a peak and average detector for reference only. The final test results are listed on section 3.9)



Tx Channel

Bandwidth	22 MHz	Power	12.99 dBm

Adjacent Channel

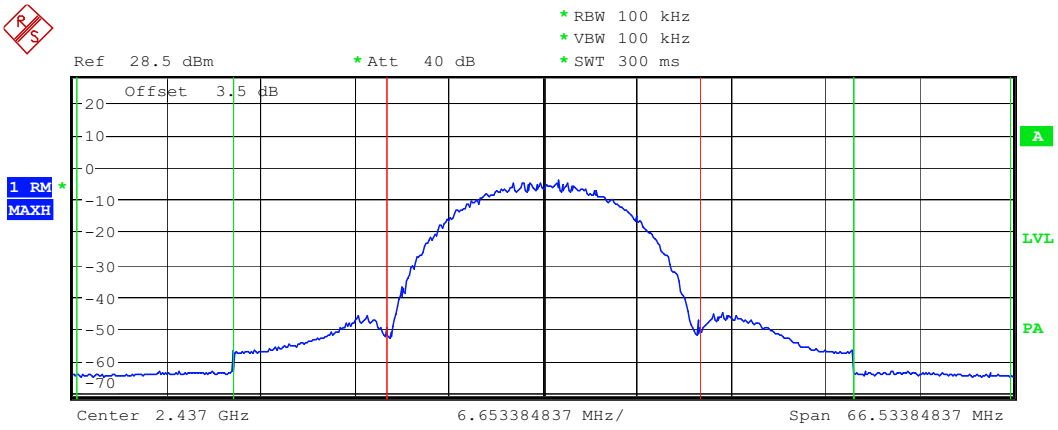
Bandwidth	11 MHz	Lower	-44.00 dB
Spacing	16.5 MHz	Upper	-42.99 dB

Alternate Channel

Bandwidth	11 MHz	Lower	-57.17 dB
Spacing	27.5 MHz	Upper	-57.16 dB

MAX OUTPUT POWER 802.11b CH1

Date: 19.MAR.2007 16:35:00



Tx Channel

Bandwidth	22 MHz	Power	12.99 dBm

Adjacent Channel

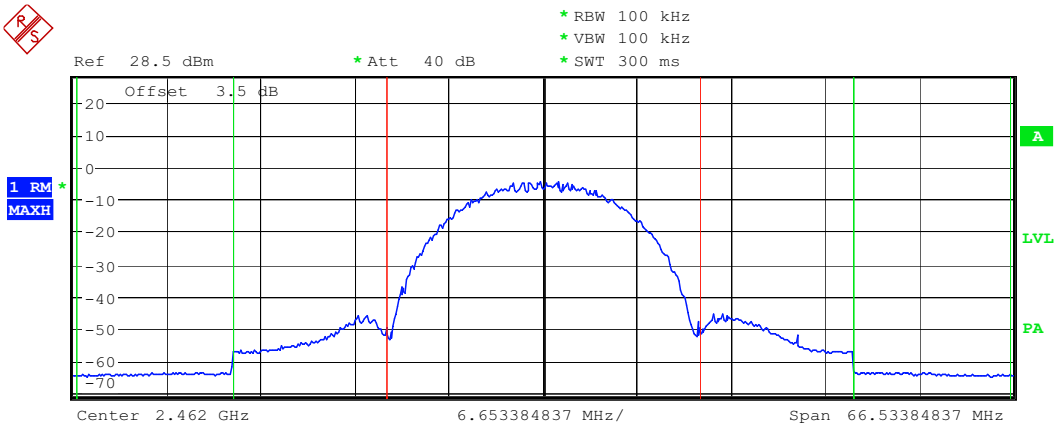
Bandwidth	11 MHz	Lower	-44.82 dB
Spacing	16.5 MHz	Upper	-43.33 dB

Alternate Channel

Bandwidth	11 MHz	Lower	-57.49 dB
Spacing	27.5 MHz	Upper	-57.50 dB

MAX OUTPUT POWER 802.11b CH6

Date: 19.MAR.2007 16:35:32



Tx Channel

Bandwidth	22 MHz	Power	13.11 dBm

Adjacent Channel

Bandwidth	11 MHz	Lower	-45.10 dB
Spacing	16.5 MHz	Upper	-43.85 dB

Alternate Channel

Bandwidth	11 MHz	Lower	-57.67 dB
Spacing	27.5 MHz	Upper	-57.66 dB

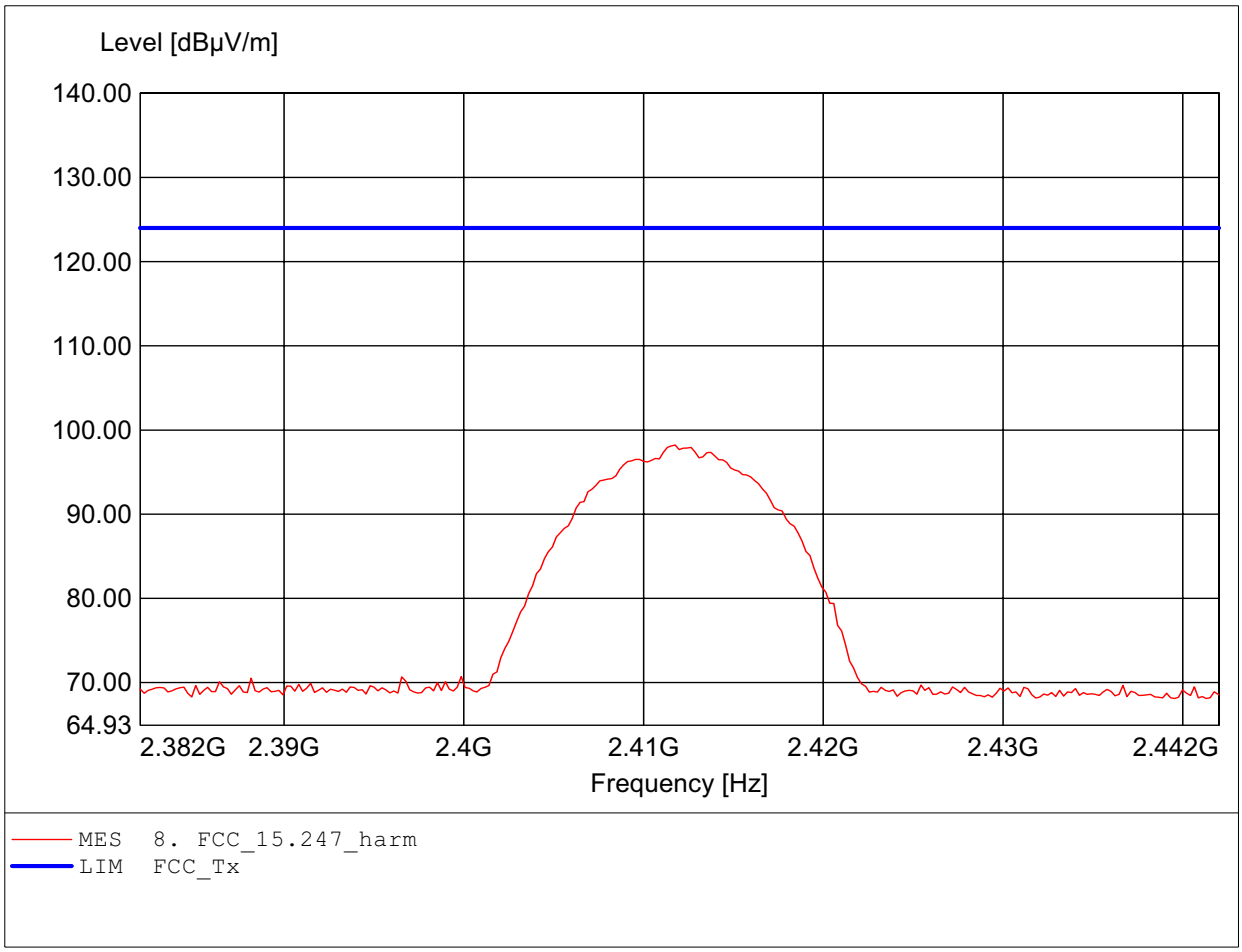
MAX OUTPUT POWER 802.11b CH11

Date: 19.MAR.2007 16:35:58

Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

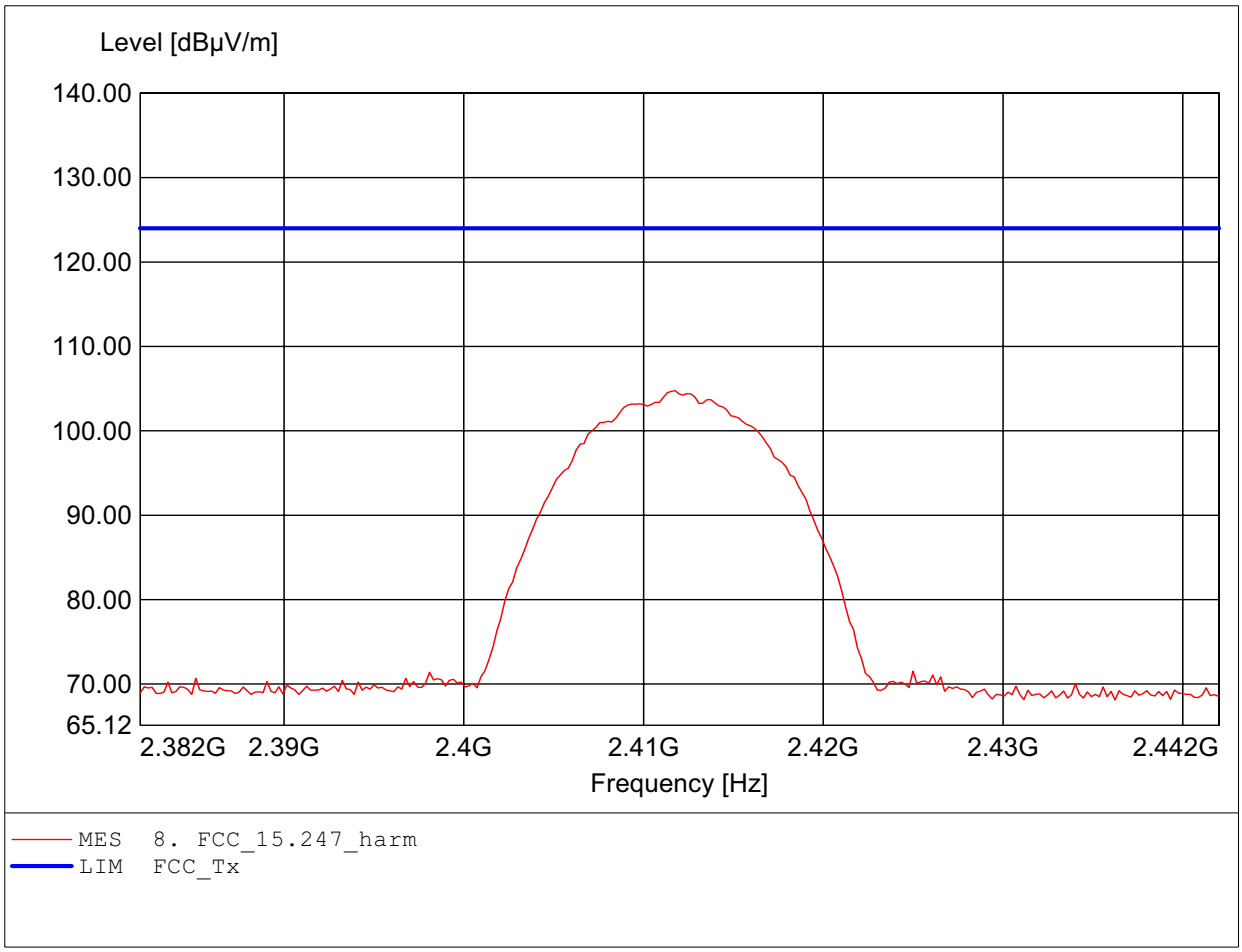
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL025
                       Freq: 2.412GHz, Emax: 98.22dBµV/m, RBW: 1MHz
```



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

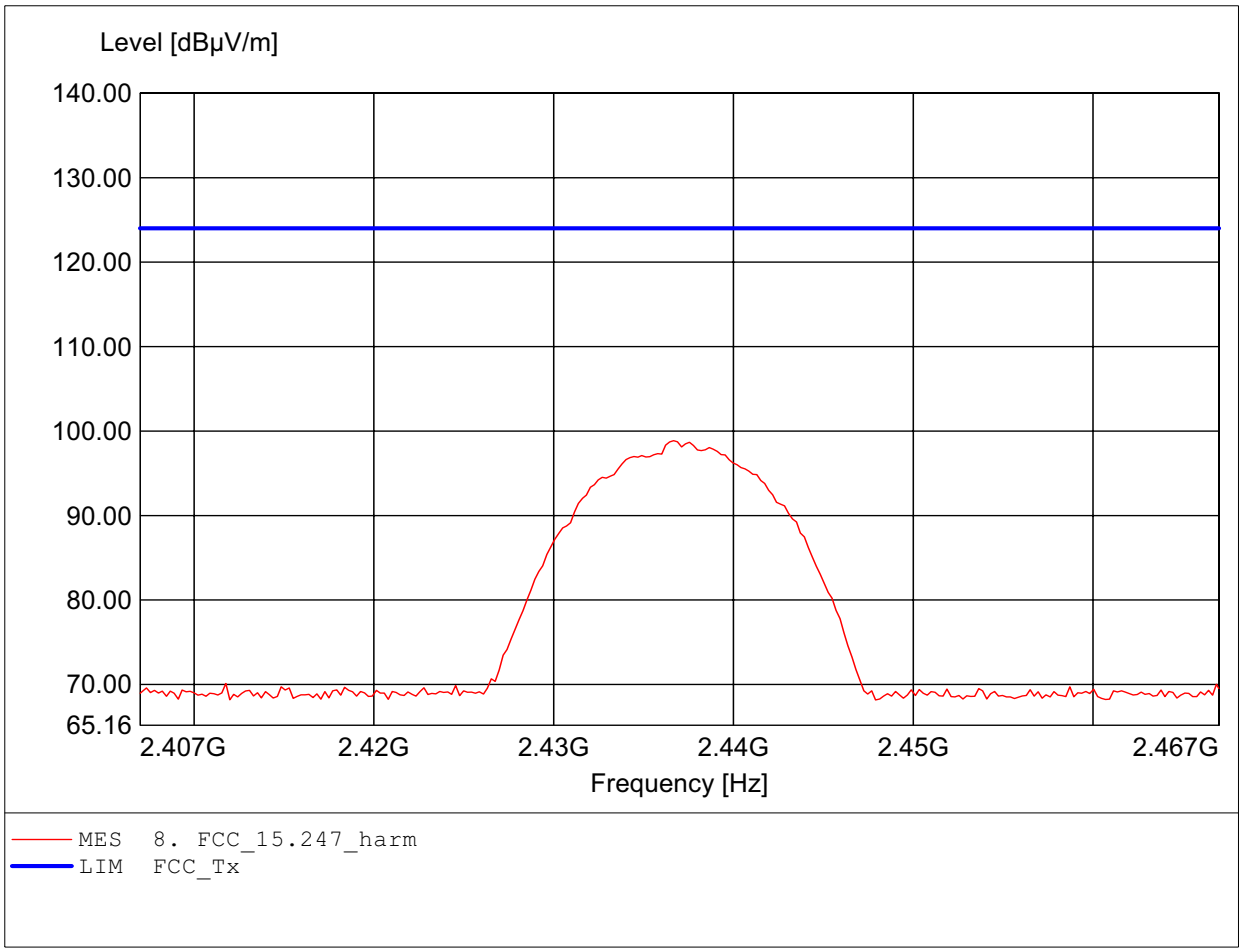
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL025
                       Freq: 2.412GHz, Emax: 104.76dBµV/m, RBW: 1MHz
```



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

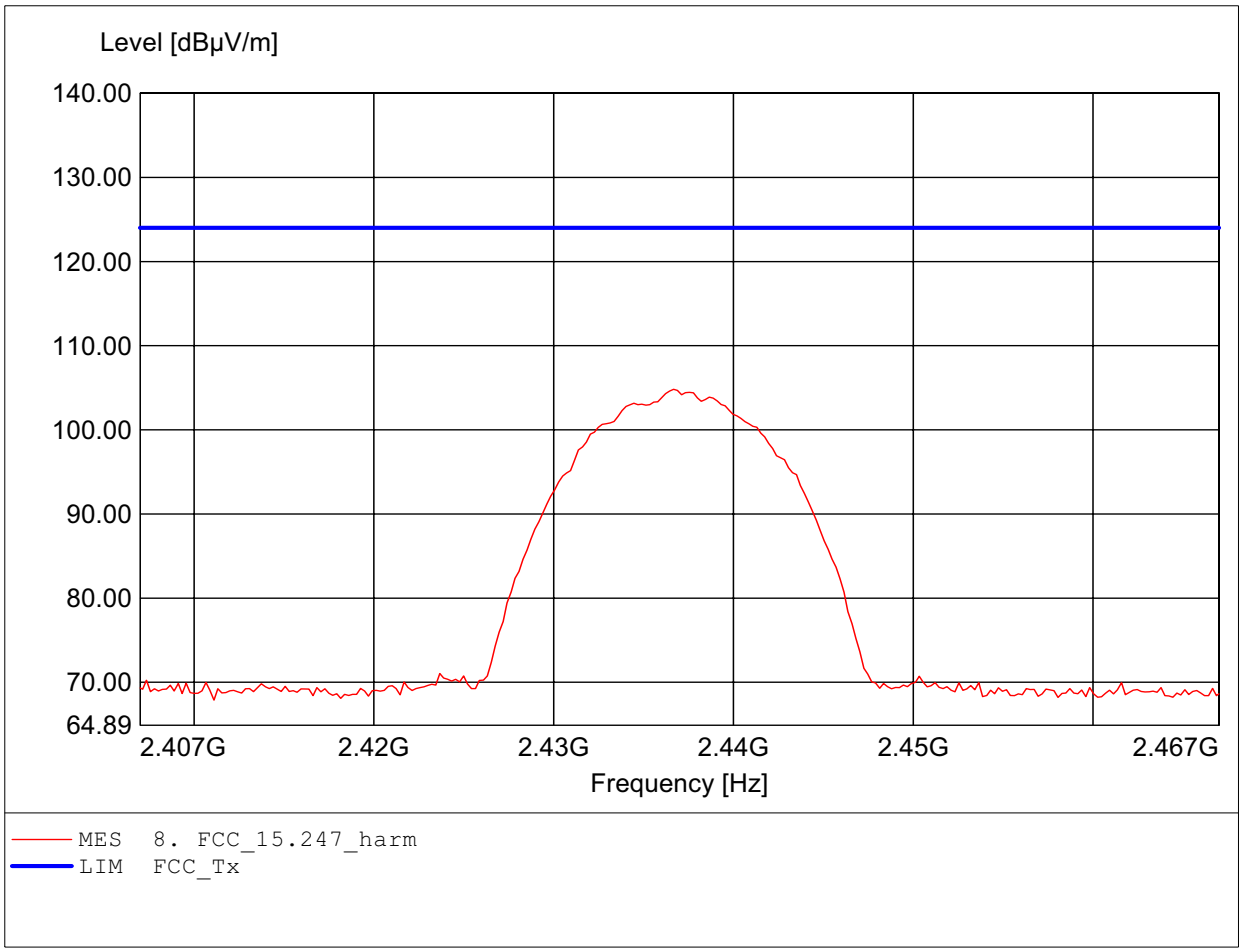
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL025
                       Freq: 2.437GHz, Emax: 98.86dBµV/m, RBW: 1MHz
```



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

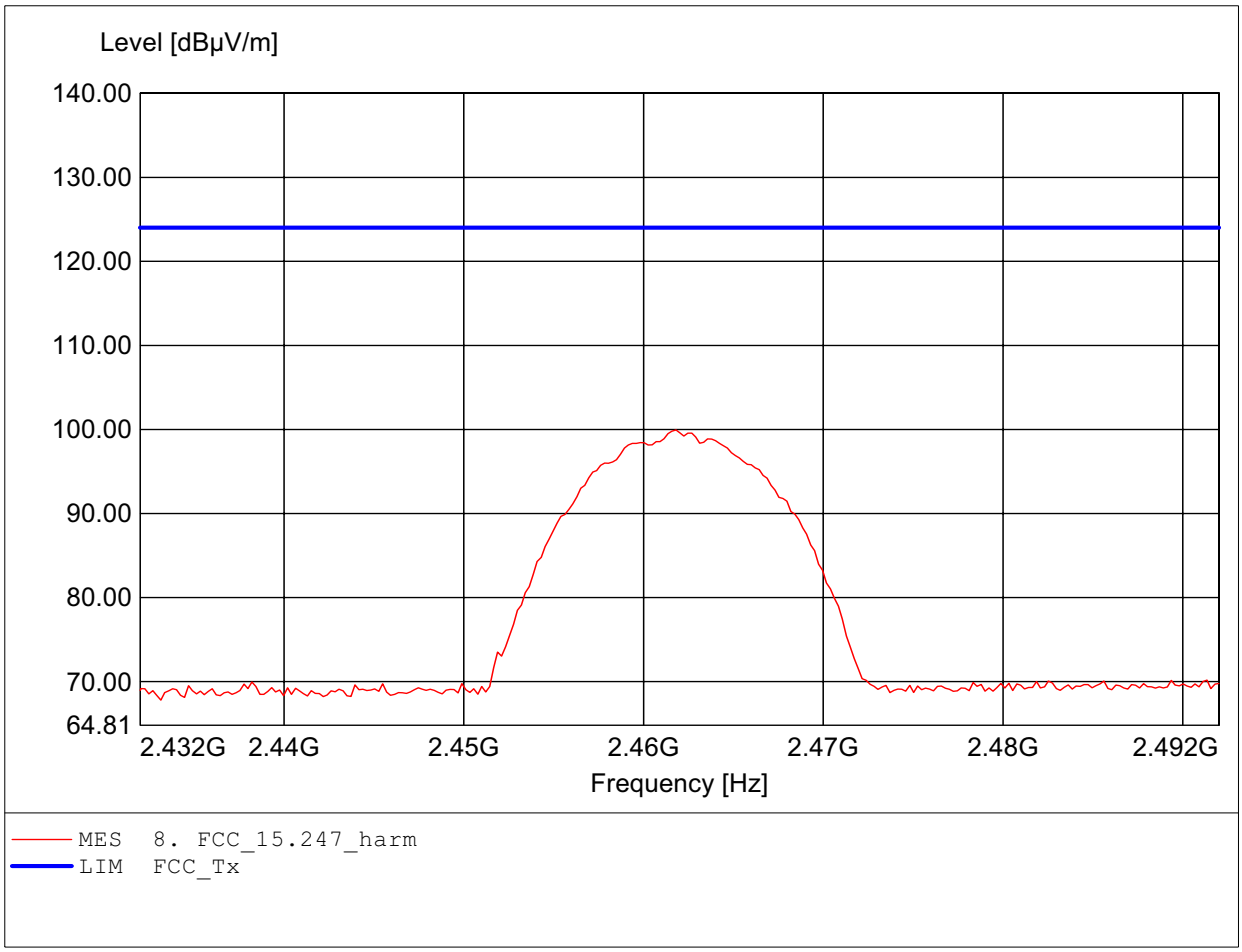
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL025
                       Freq: 2.437GHz, Emax: 104.82dBµV/m, RBW: 1MHz
```



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

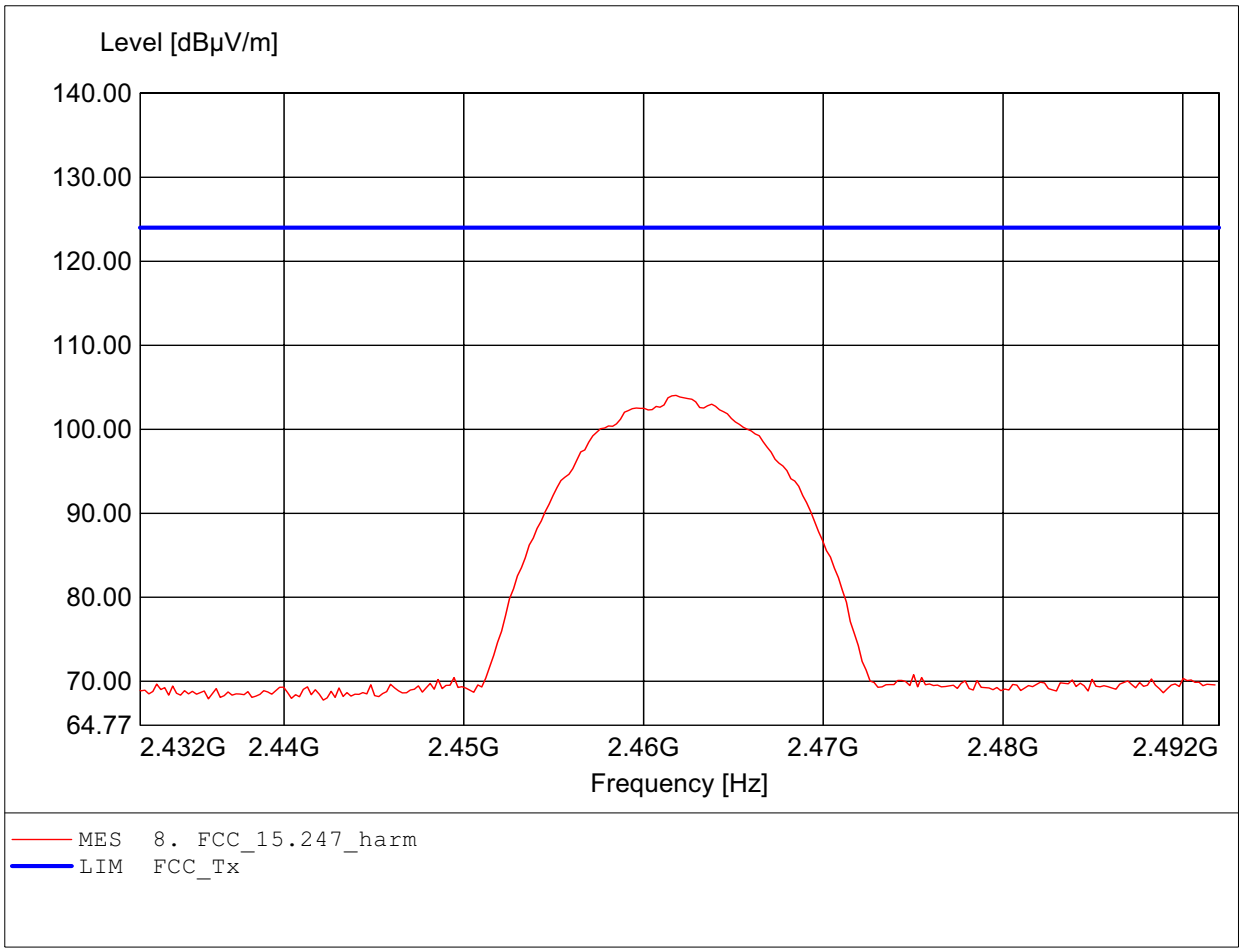
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL025
                       Freq: 2.462GHz, Emax: 99.94dBµV/m, RBW: 1MHz
```



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

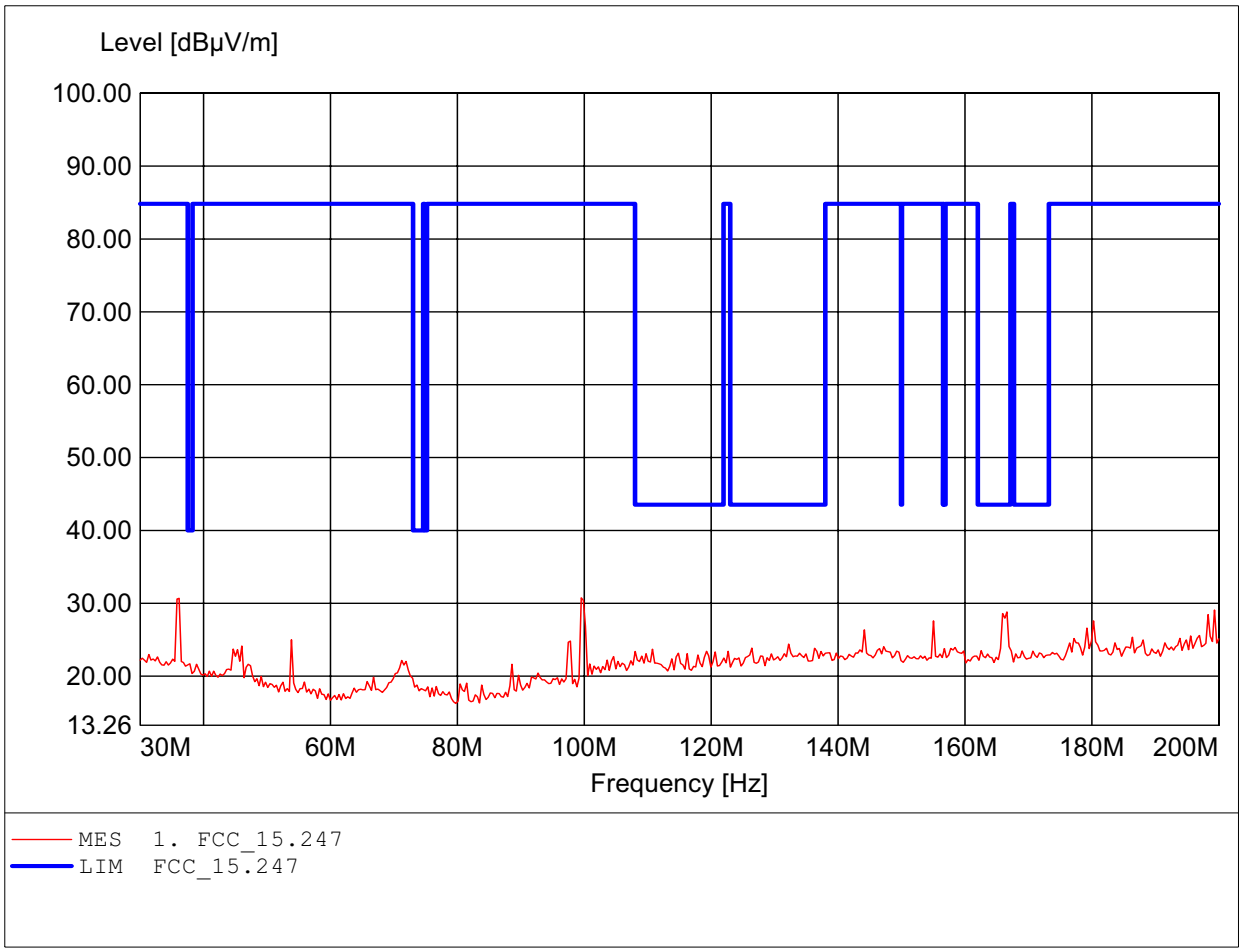
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL025
                       Freq: 2.462GHz, Emax: 104.04dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

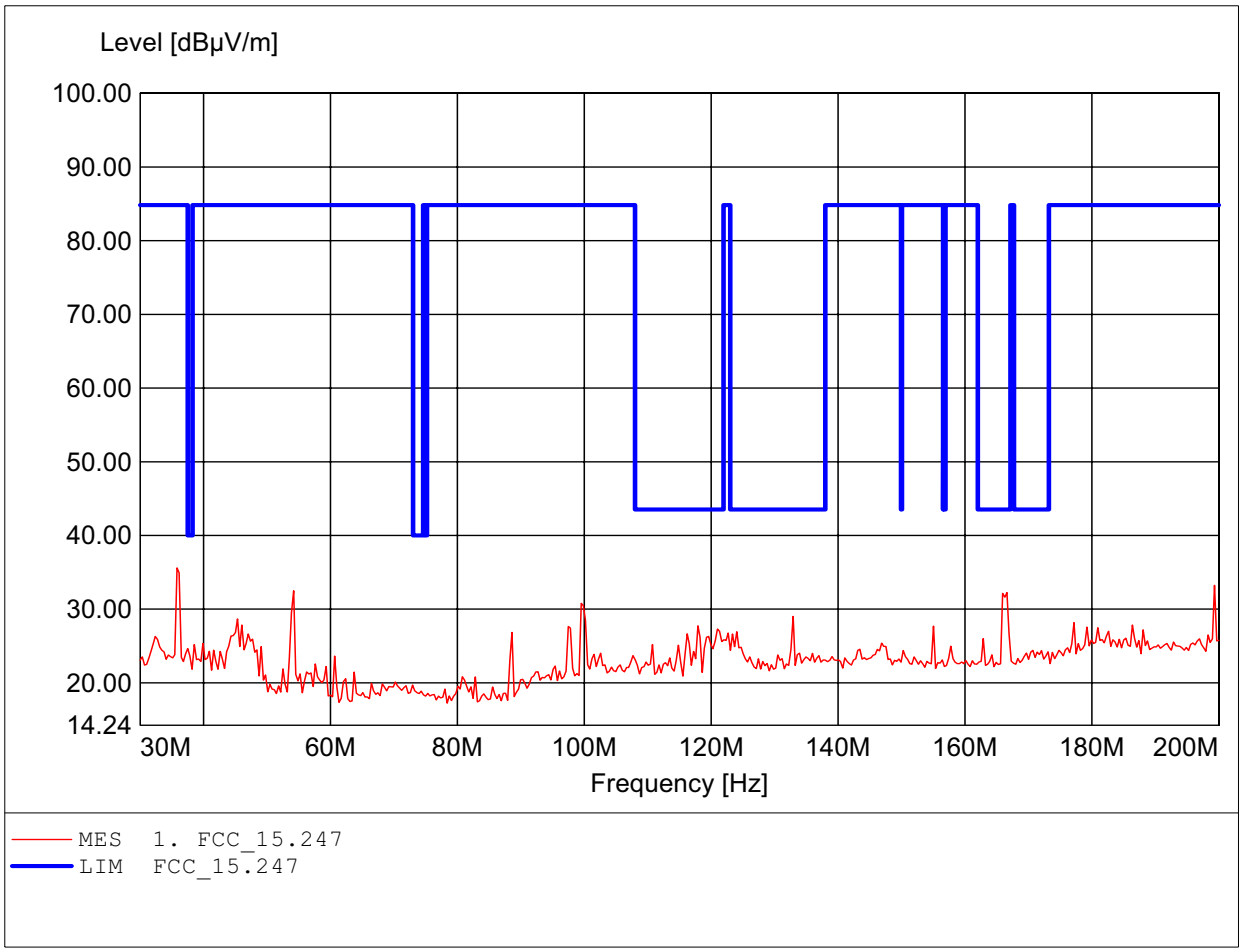
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HK 116
                       Freq: 99.499MHz, Emax: 30.74dBµV/m, RBW: 100kHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

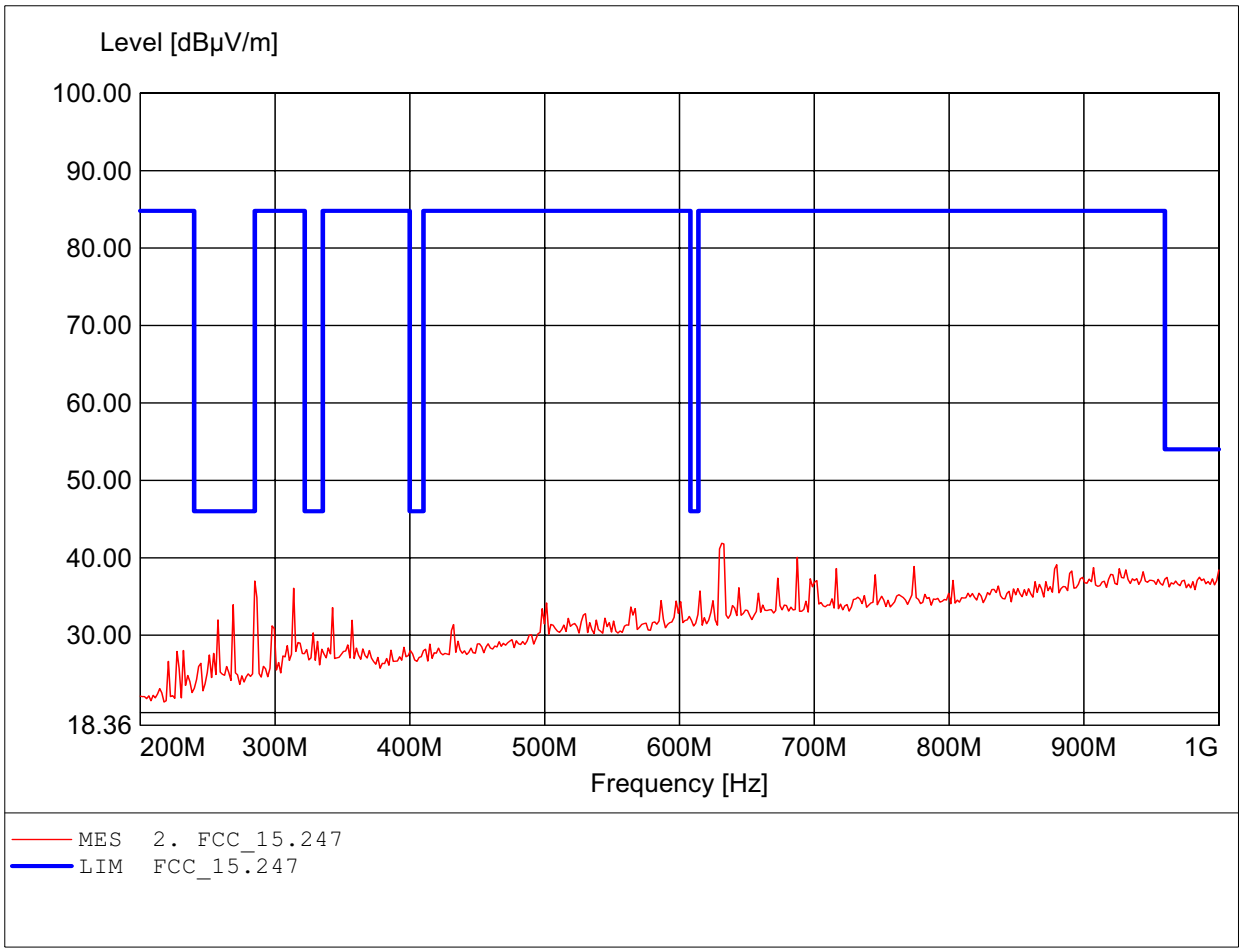
Order Number: W6M20703-7881 802.11b CH 1
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 35.792MHz, Emax: 35.58dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

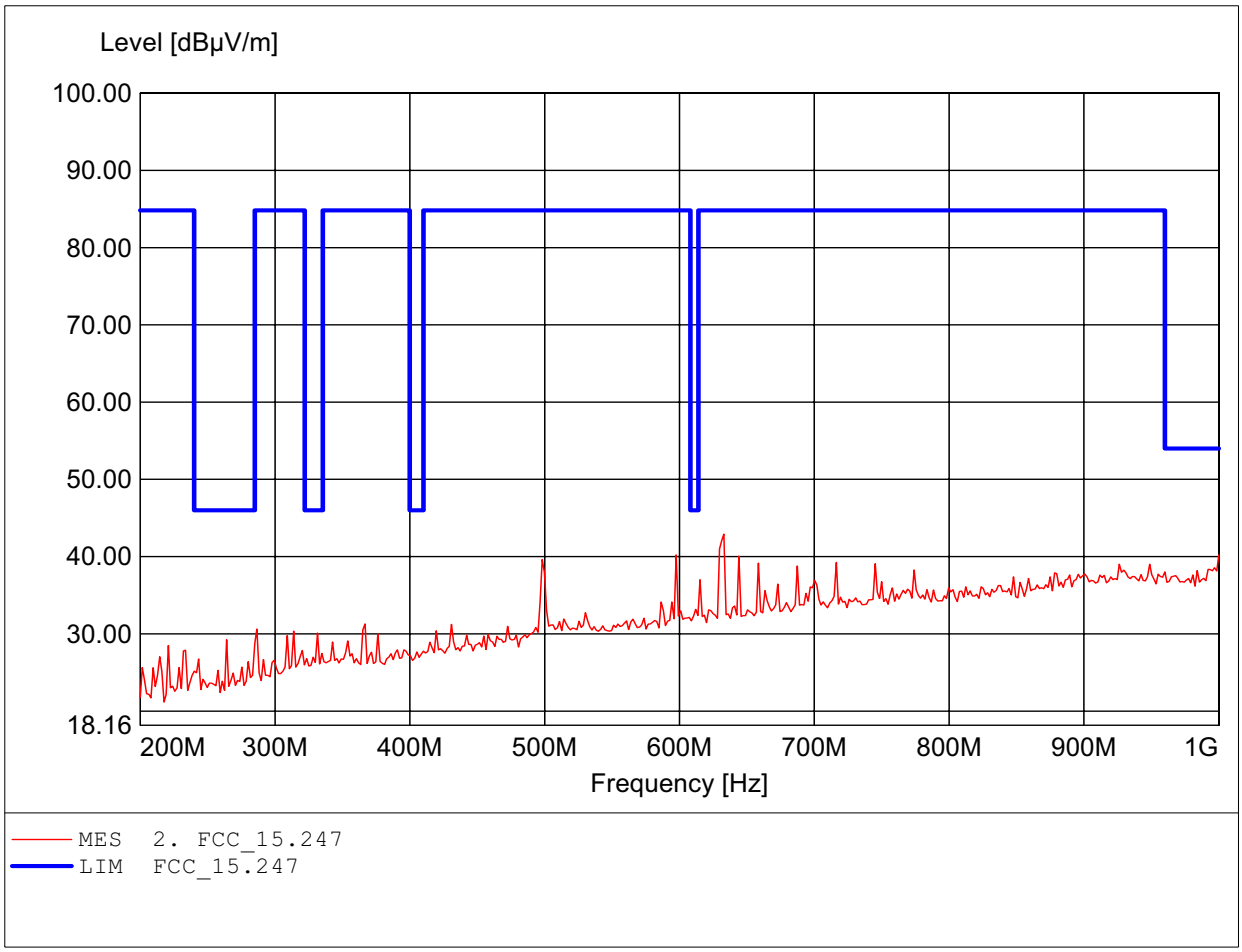
Order Number: W6M20703-7881 802.11b CH 1
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 631.263MHz, Emax: 41.88dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

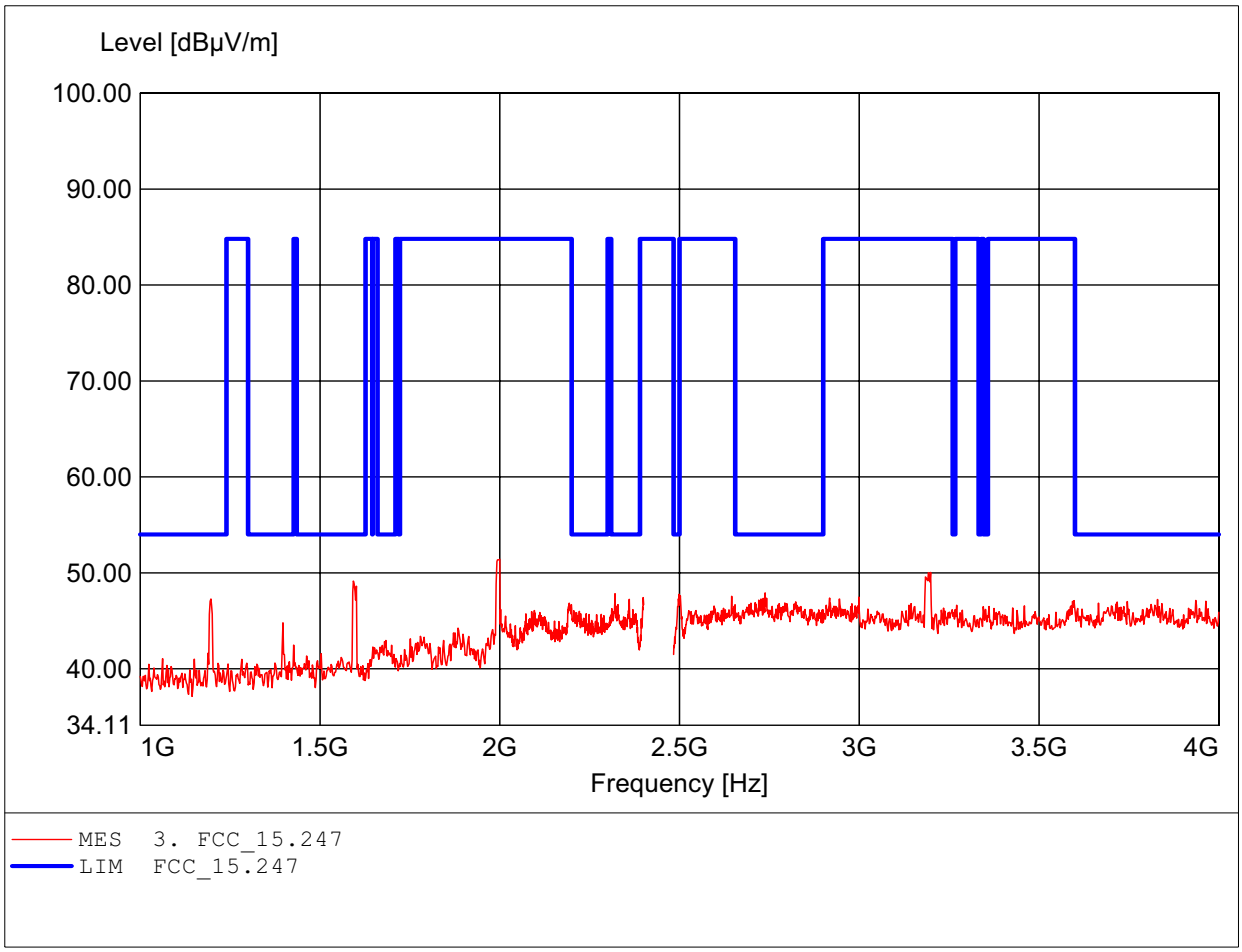
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL 223, amplif.
                       Freq: 632.866MHz, Emax: 42.90dBµV/m, RBW: 100kHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

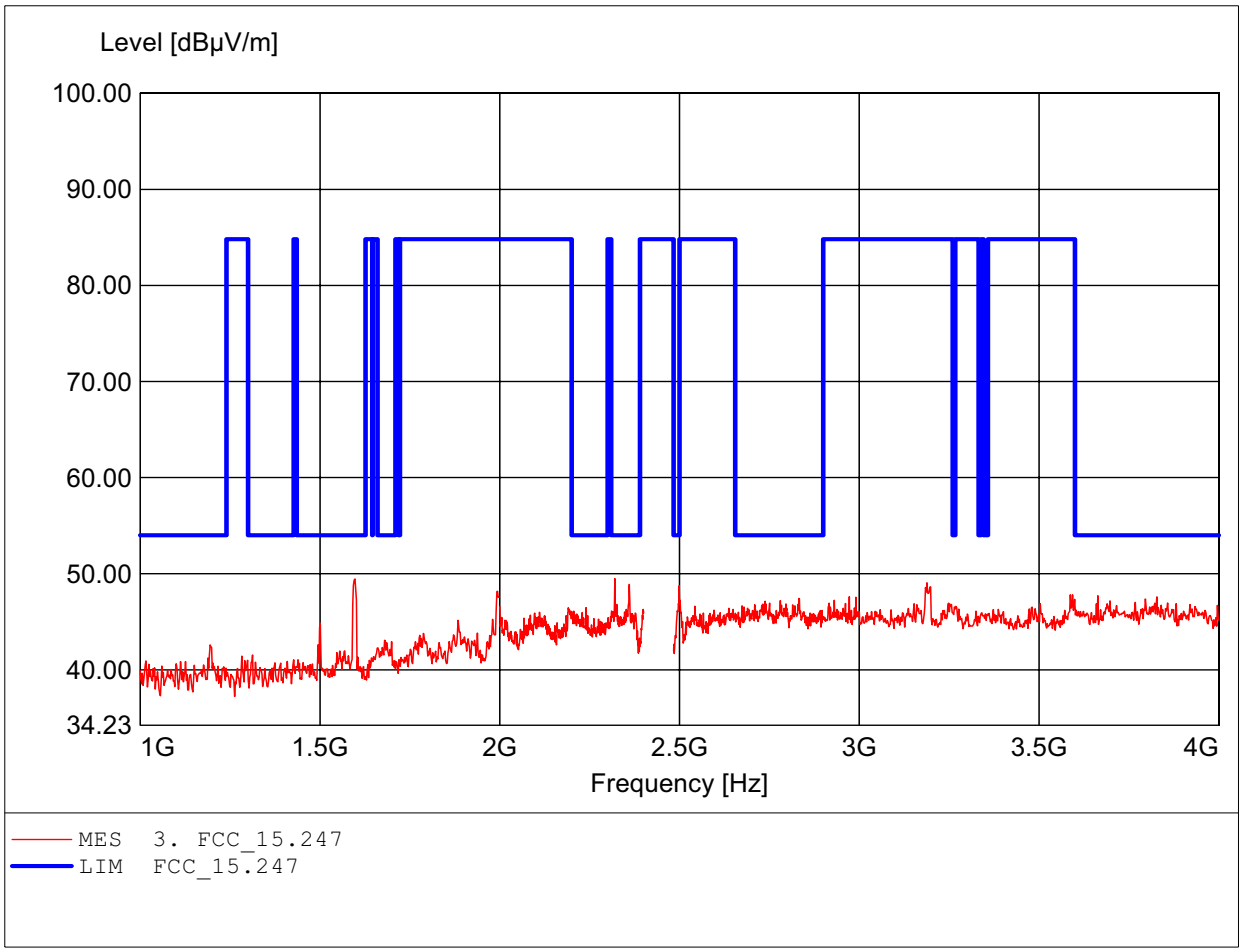
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, amplif.
                       Freq: 2.000GHz, Emax: 51.41dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

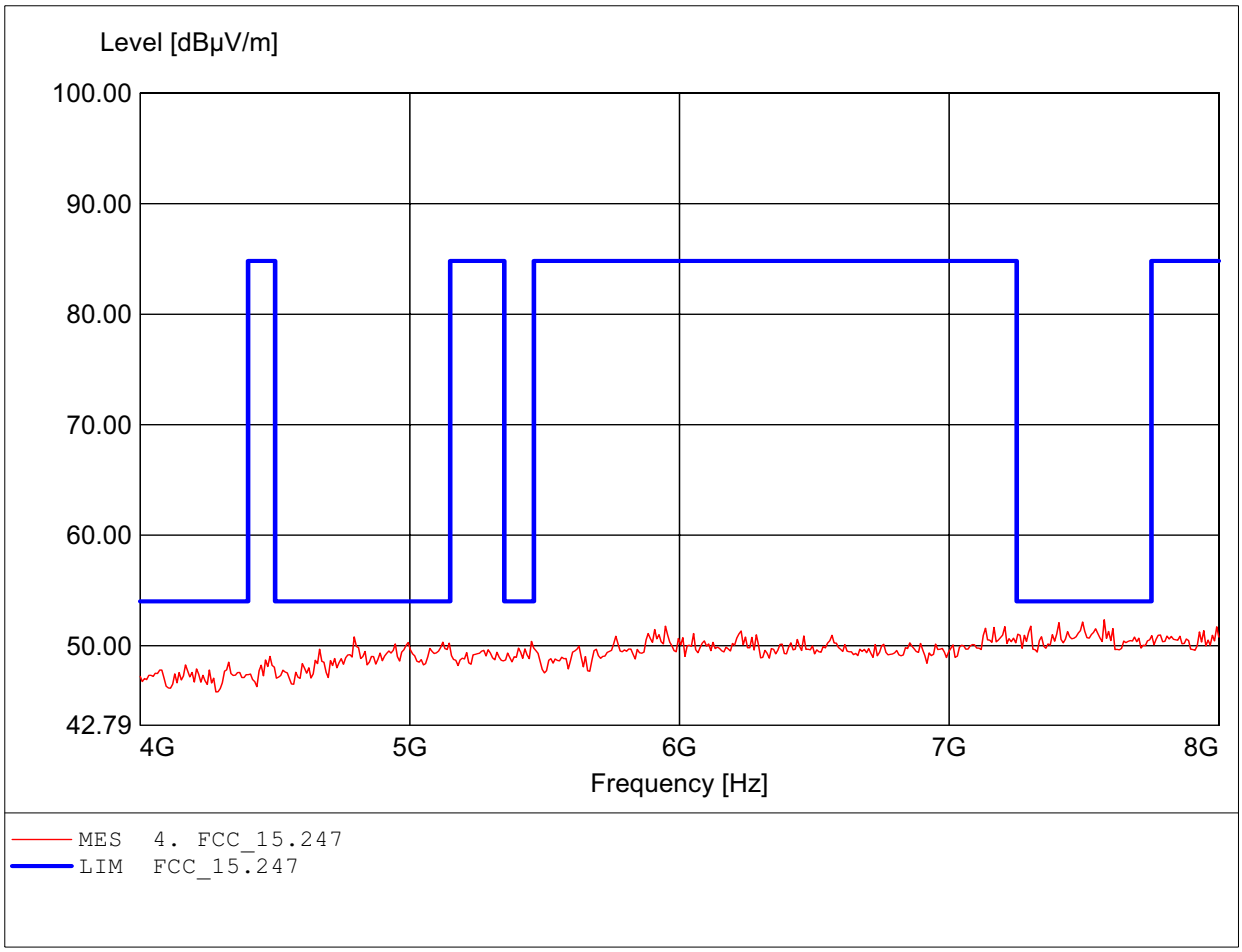
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, amplif.
                       Freq: 2.320GHz, Emax: 49.49dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

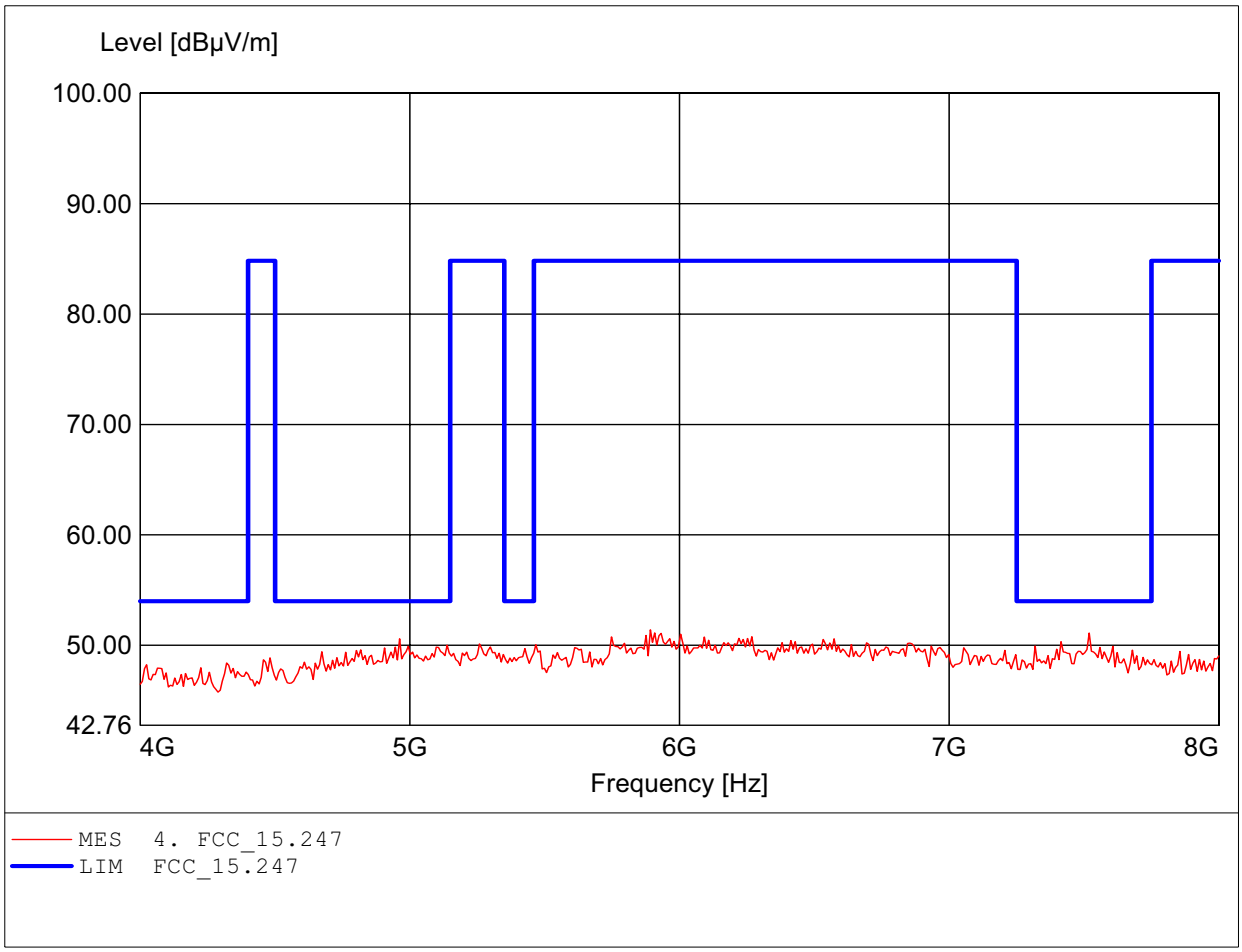
Order Number: W6M20703-7881 802.11b CH 1
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.575GHz, Emax: 52.33dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

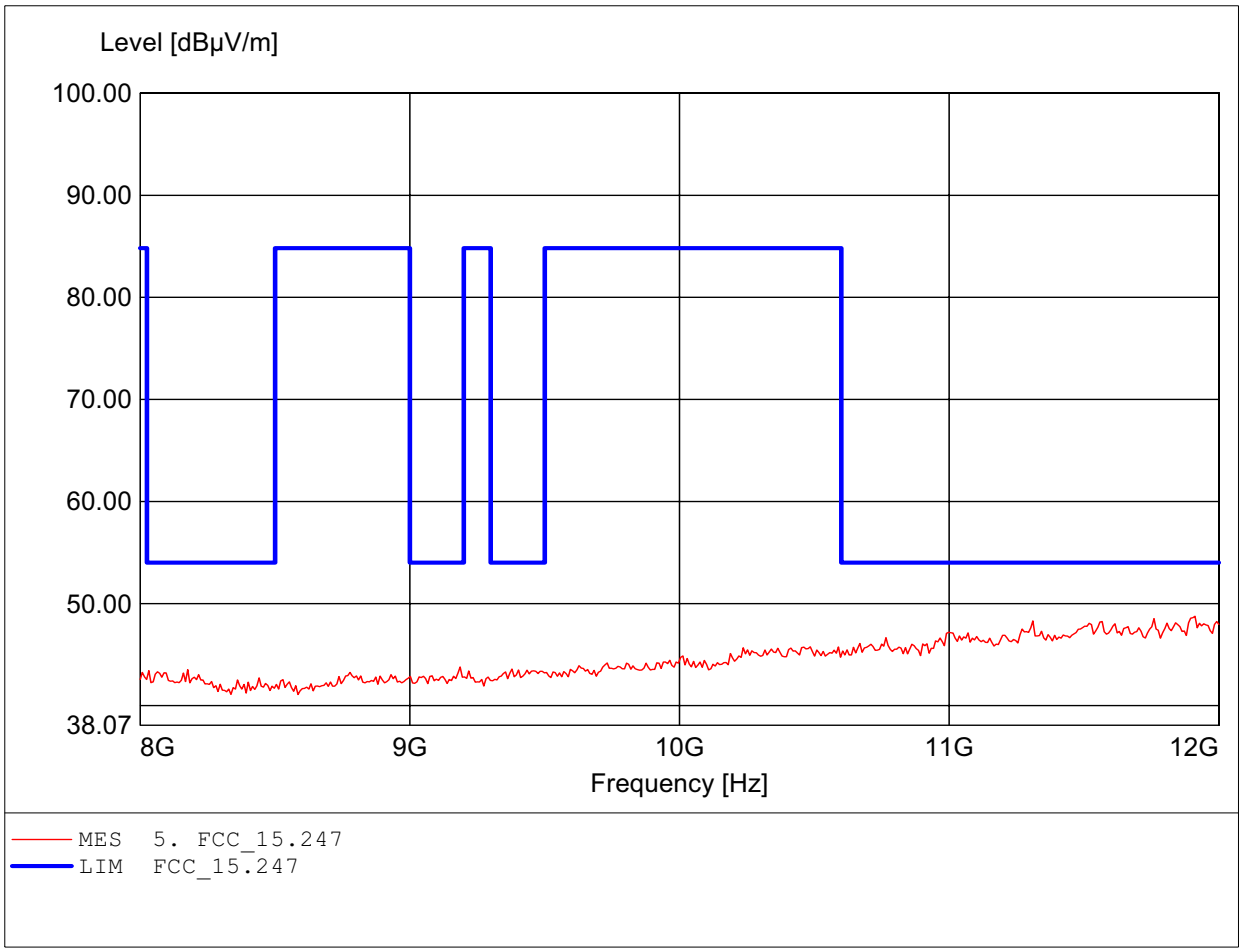
Order Number: W6M20703-7881 802.11b CH 1
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 5.892GHz, Emax: 51.40dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

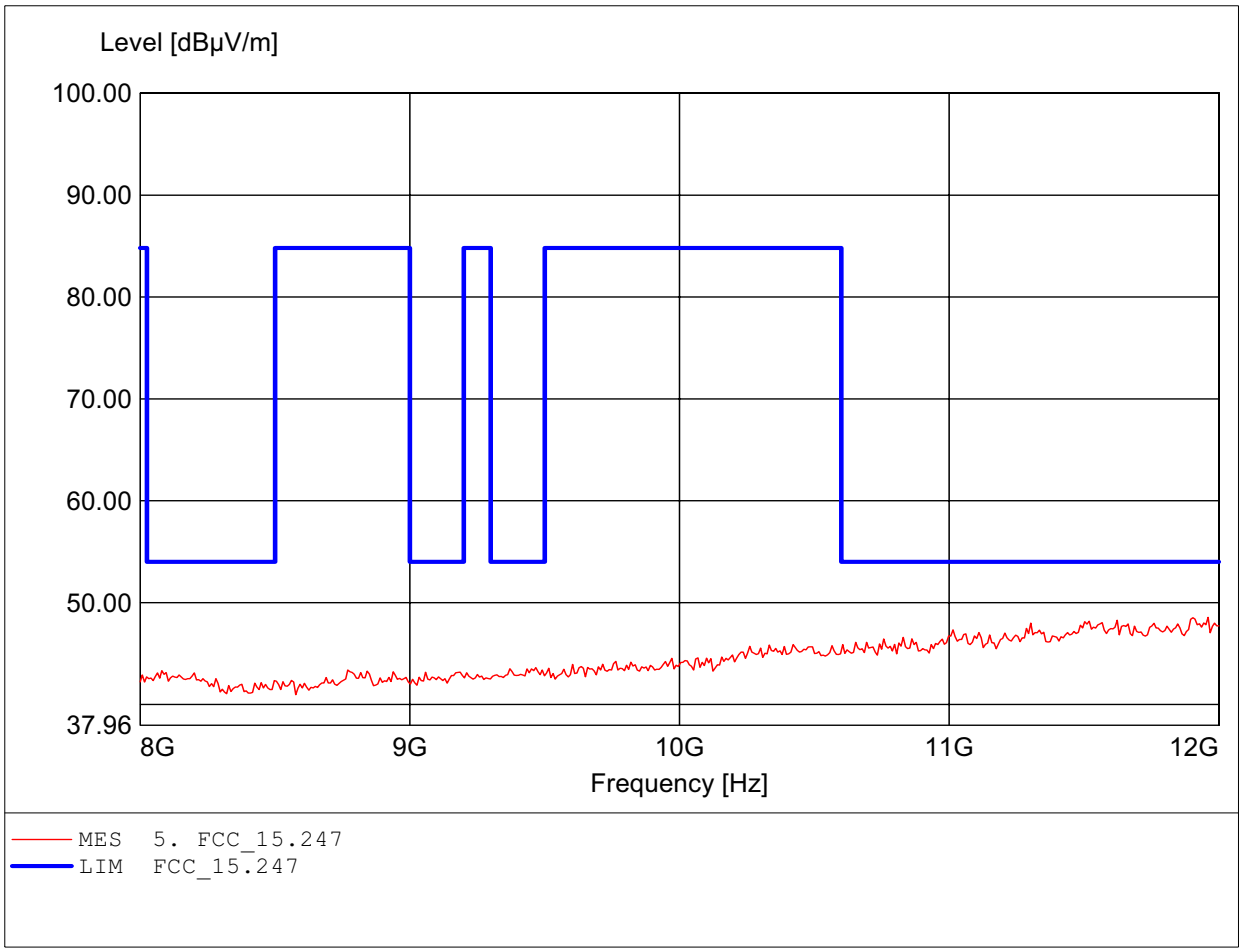
Order Number: W6M20703-7881 802.11b CH 1
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.912GHz, Emax: 48.74dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

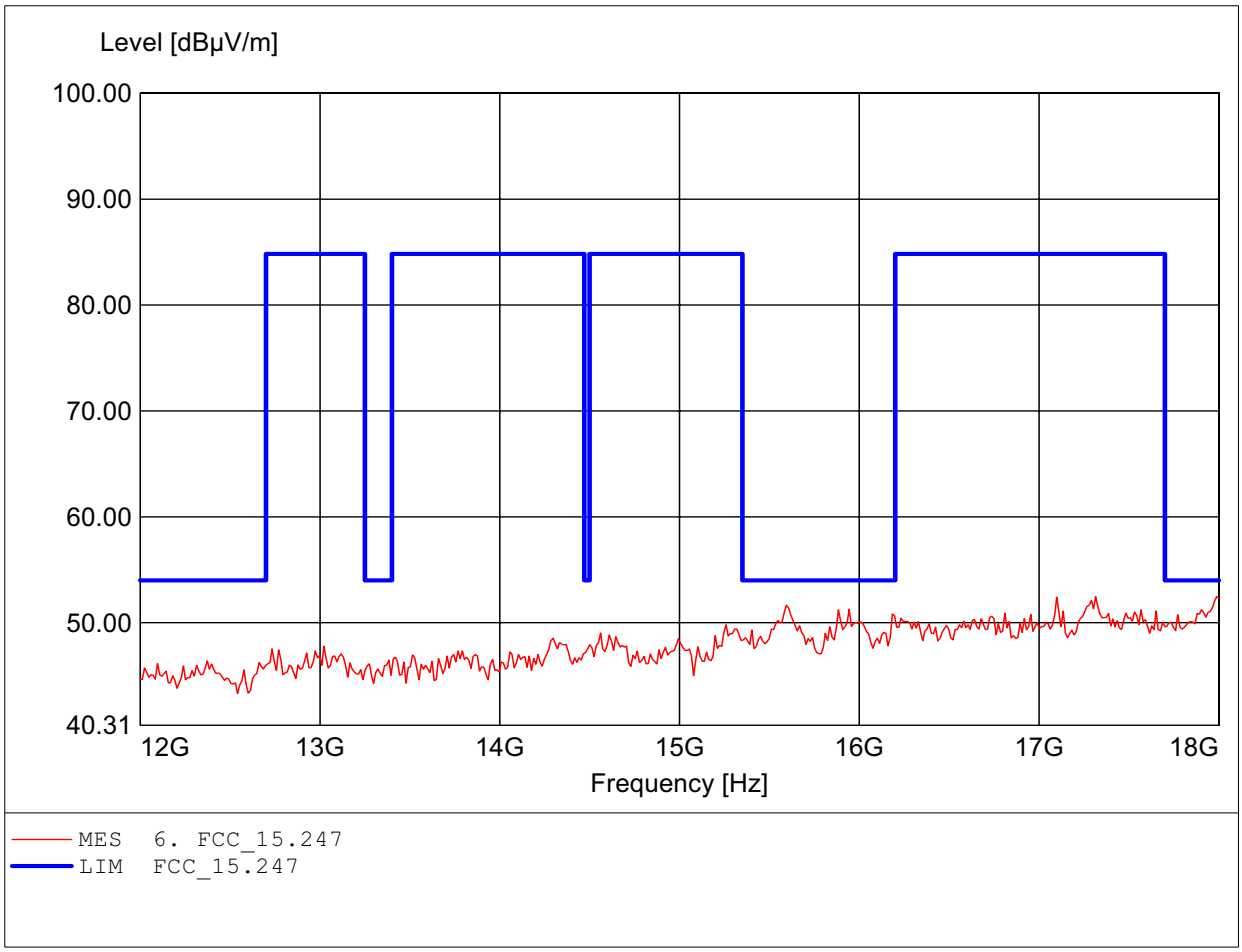
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.+HP.
                       Freq: 11.960GHz, Emax: 48.56dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

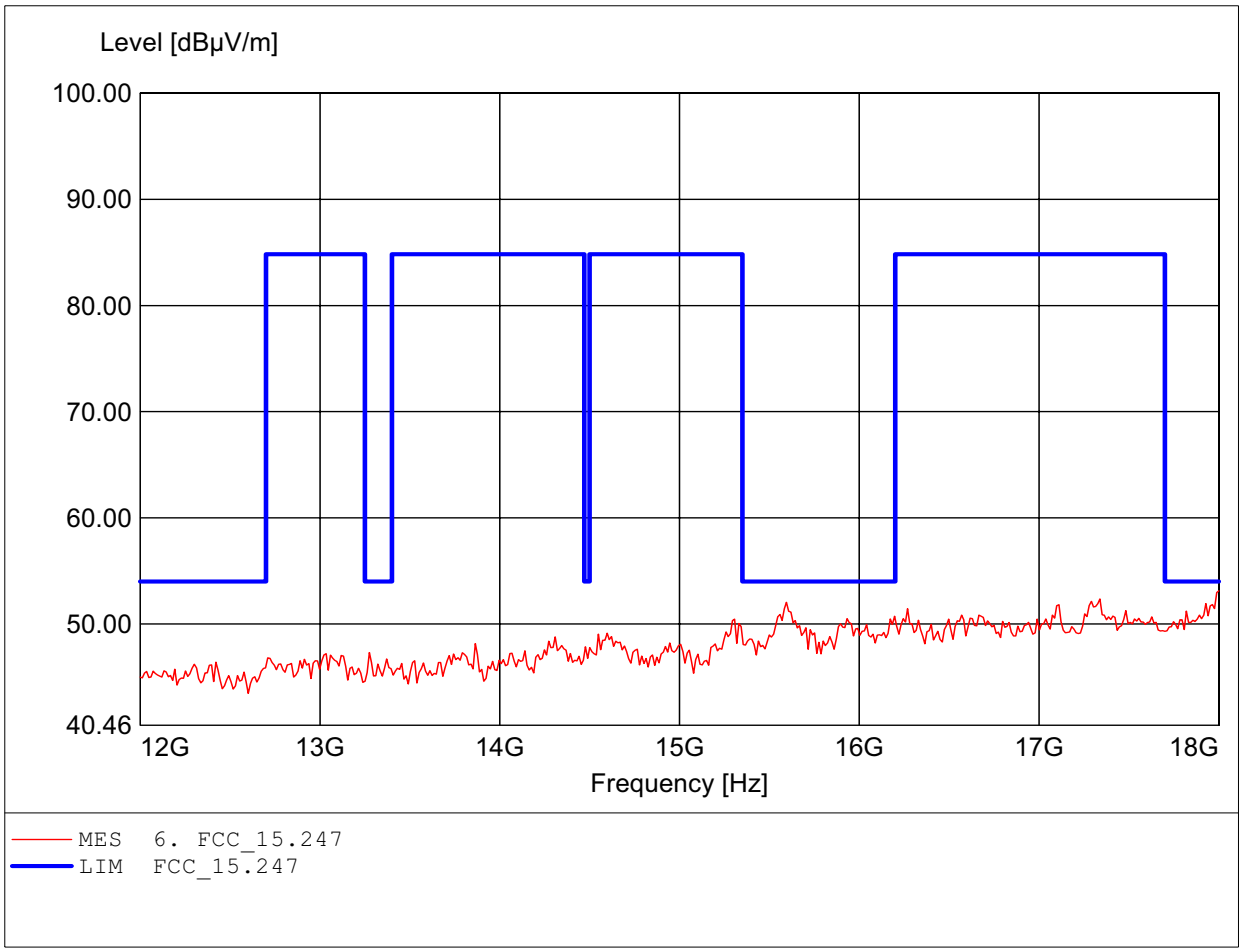
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.+HP.
                       Freq: 17.988GHz, Emax: 52.47dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

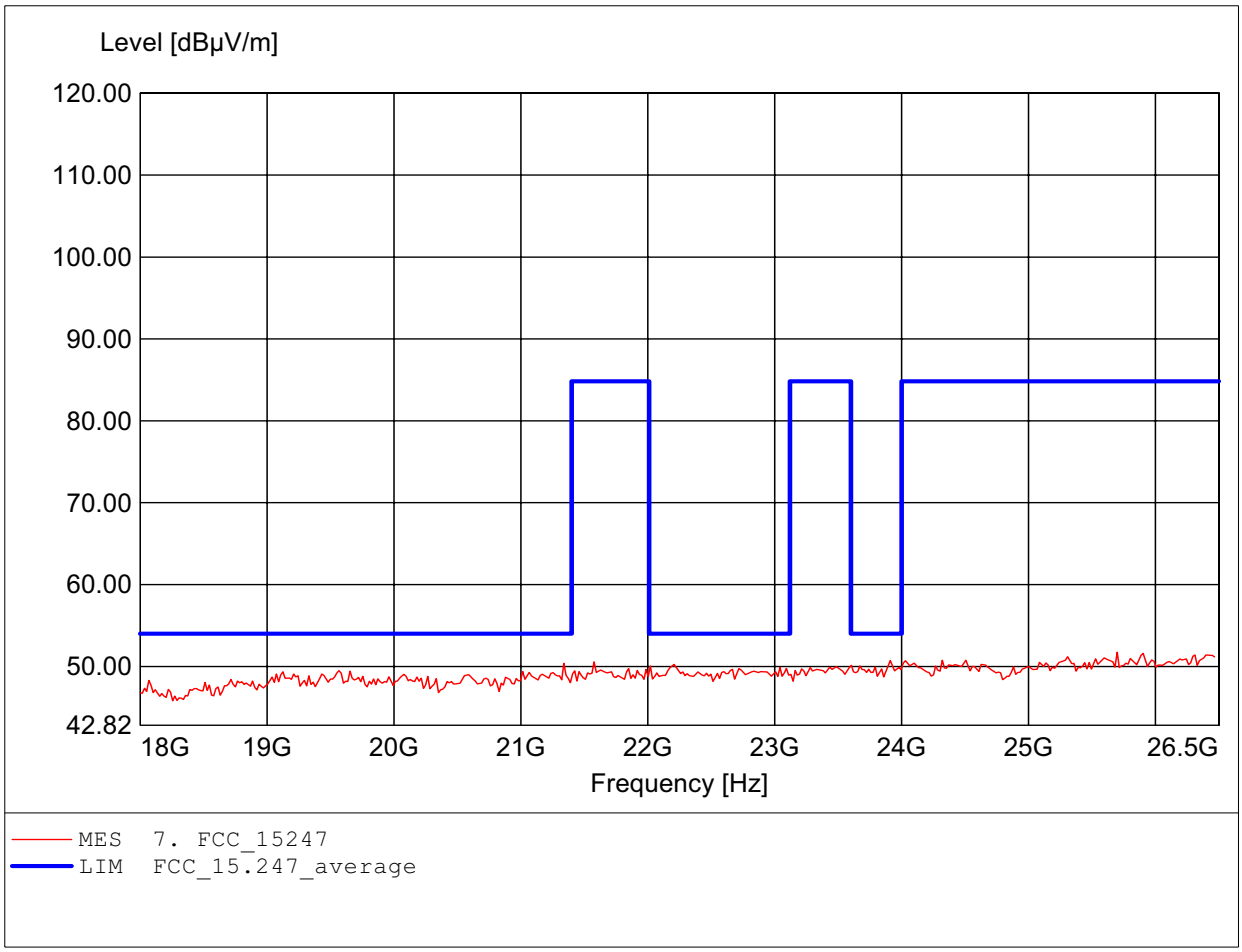
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.+HP.
                       Freq: 18.000GHz, Emax: 53.14dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

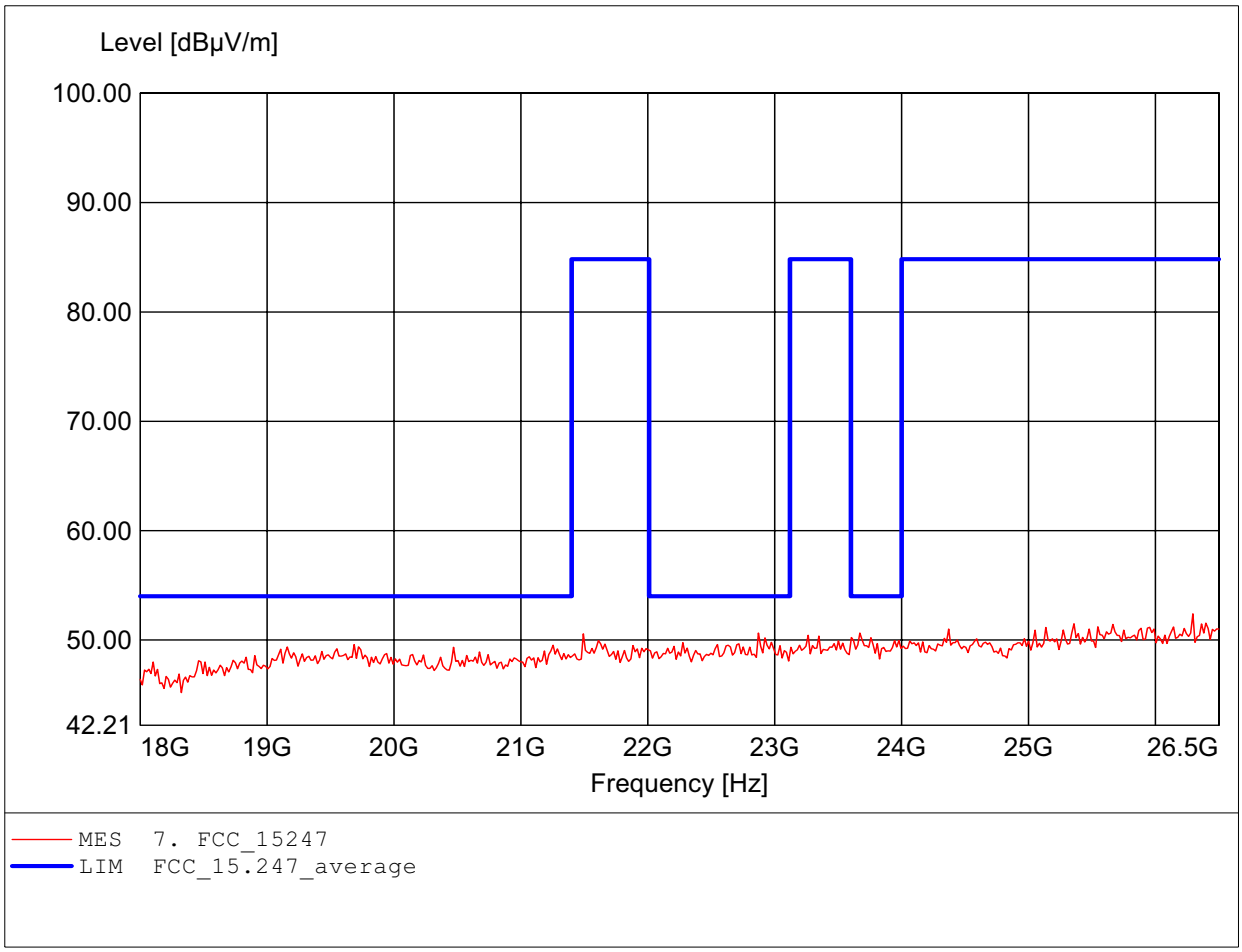
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, amplif.
                       Freq: 25.699GHz, Emax: 51.72dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

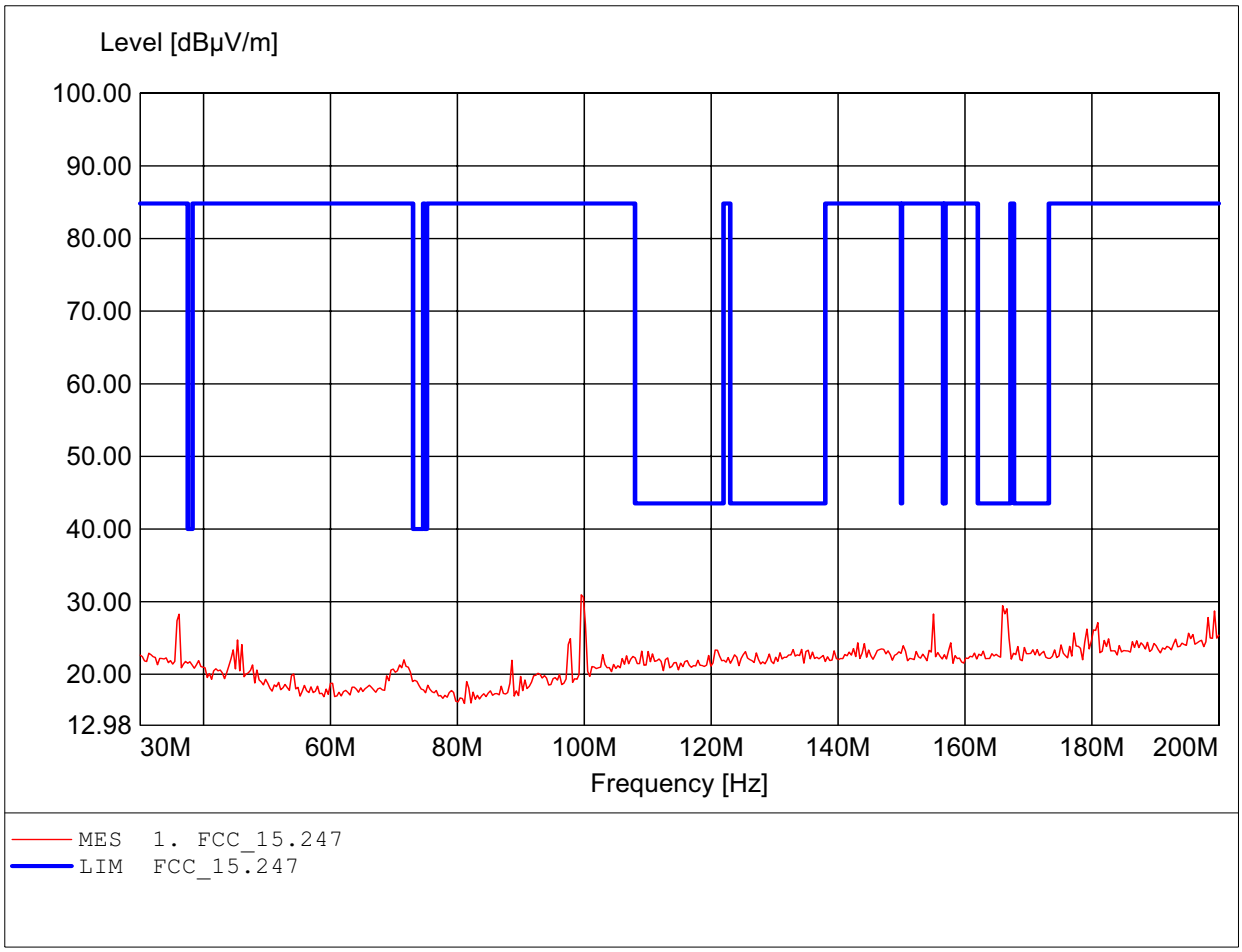
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, amplif.
                       Freq: 26.296GHz, Emax: 52.40dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

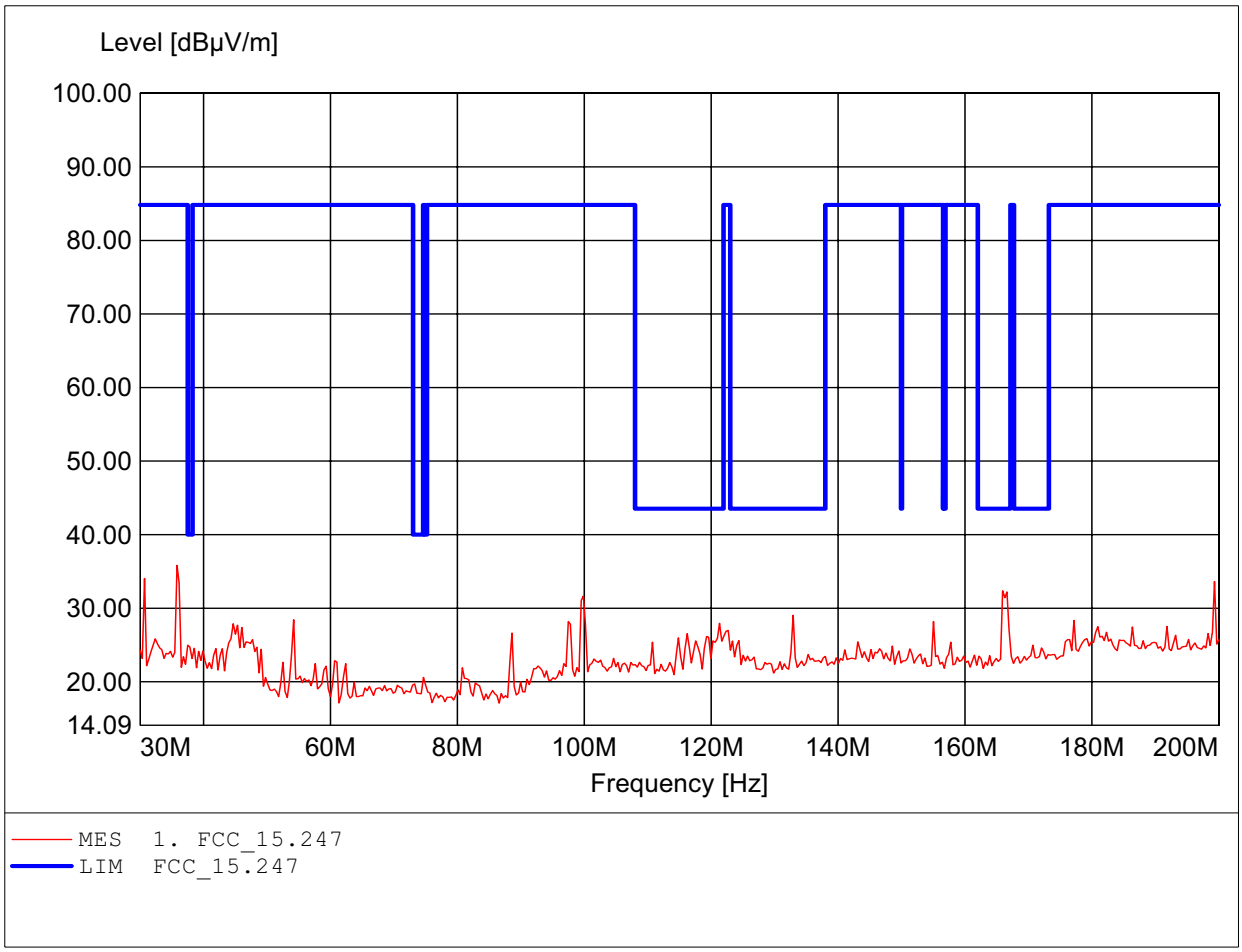
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HK 116
                       Freq: 99.499MHz, Emax: 30.94dBµV/m, RBW: 100kHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

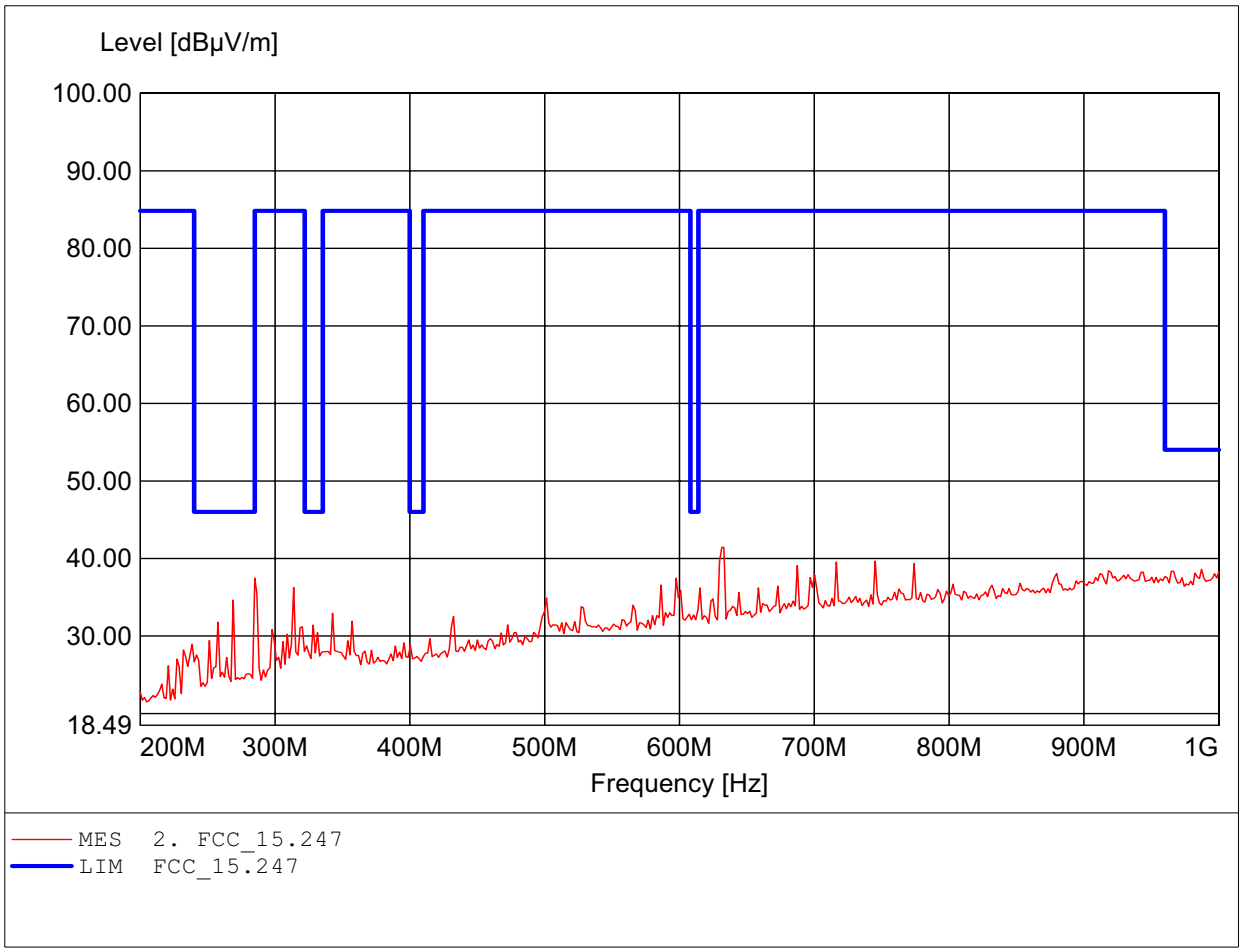
Order Number: W6M20703-7881 802.11b CH 6
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 35.792MHz, Emax: 35.83dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

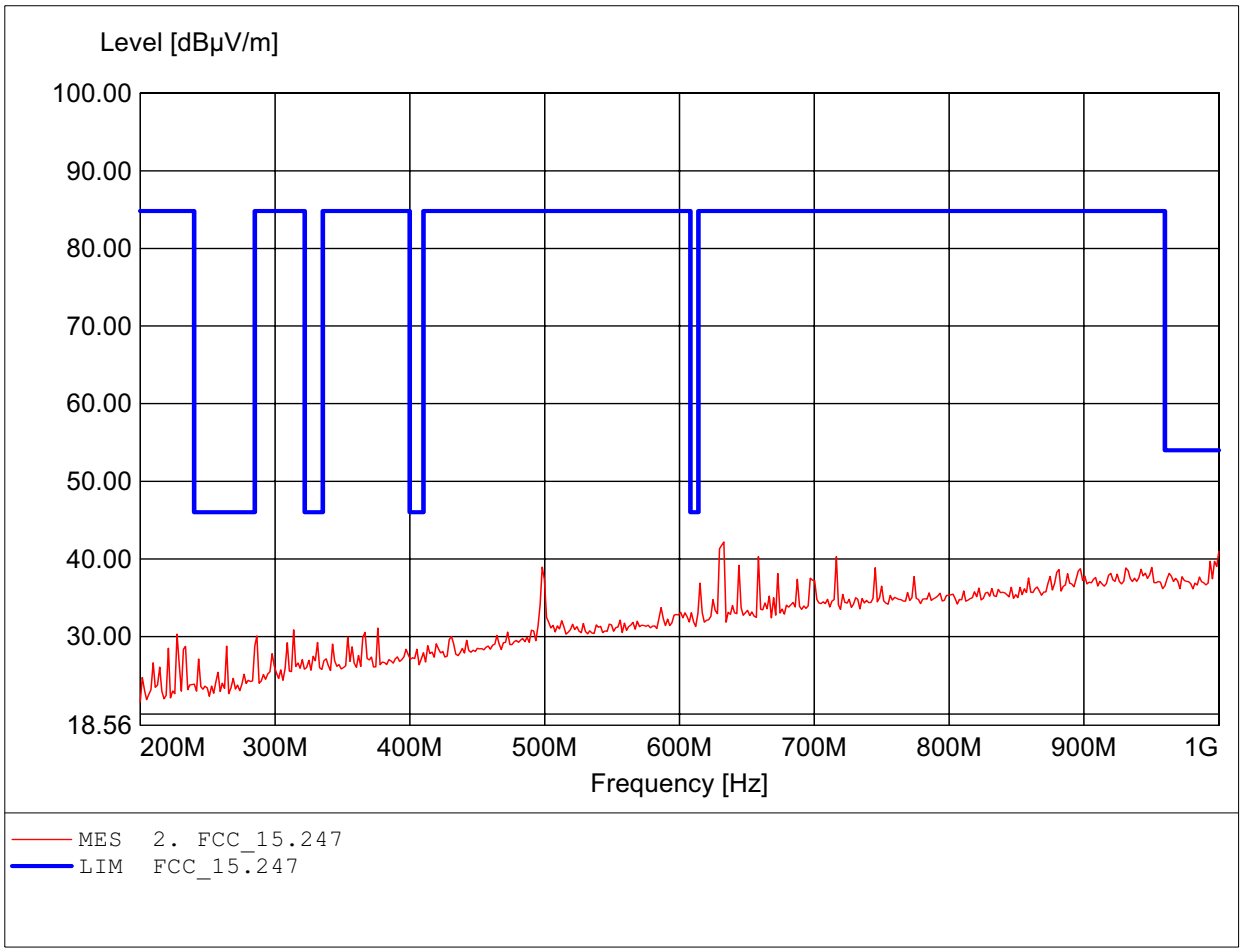
Order Number: W6M20703-7881 802.11b CH 6
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 632.866MHz, Emax: 41.45dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

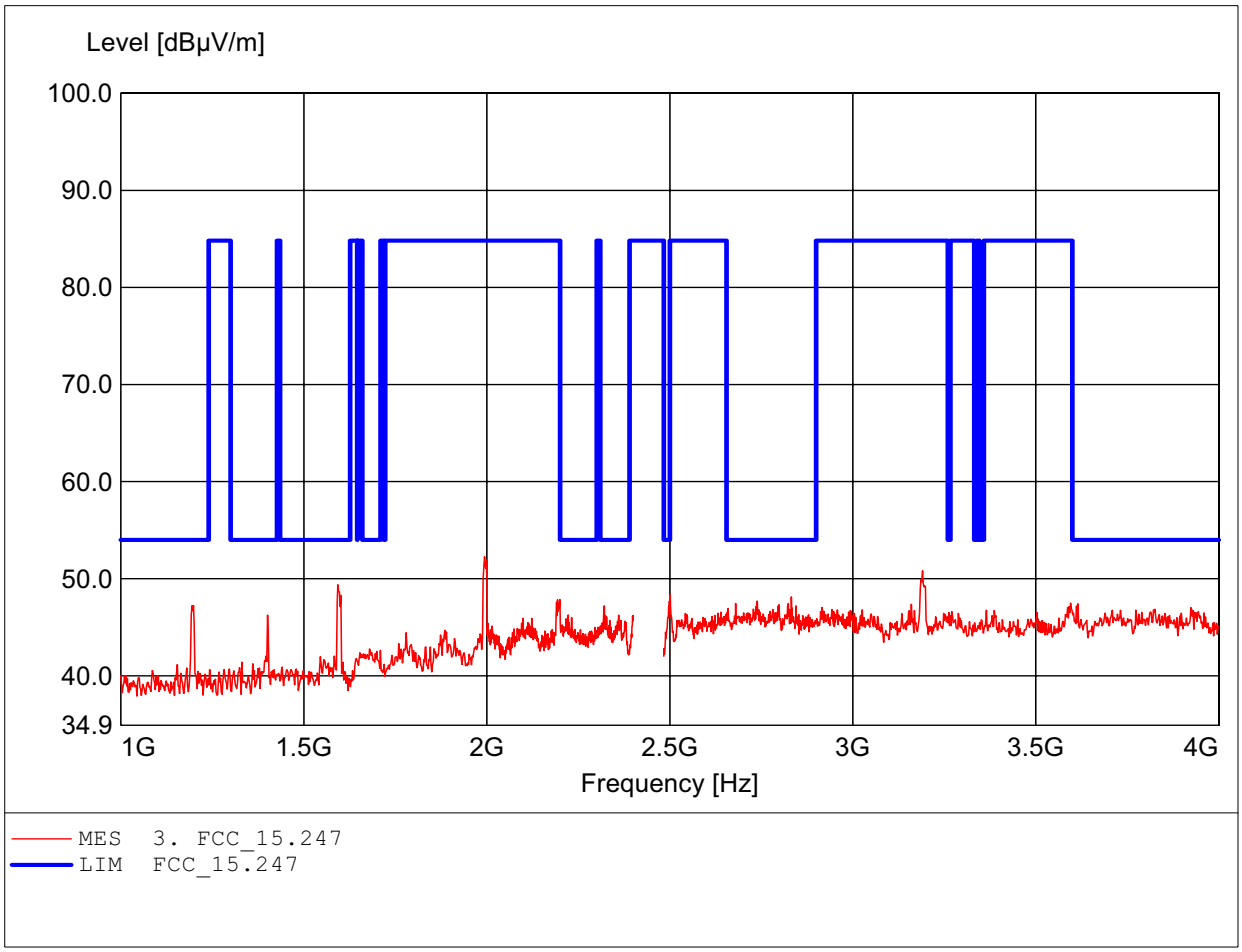
Order Number: W6M20703-7881 802.11b CH 6
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 632.866MHz, Emax: 42.17dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

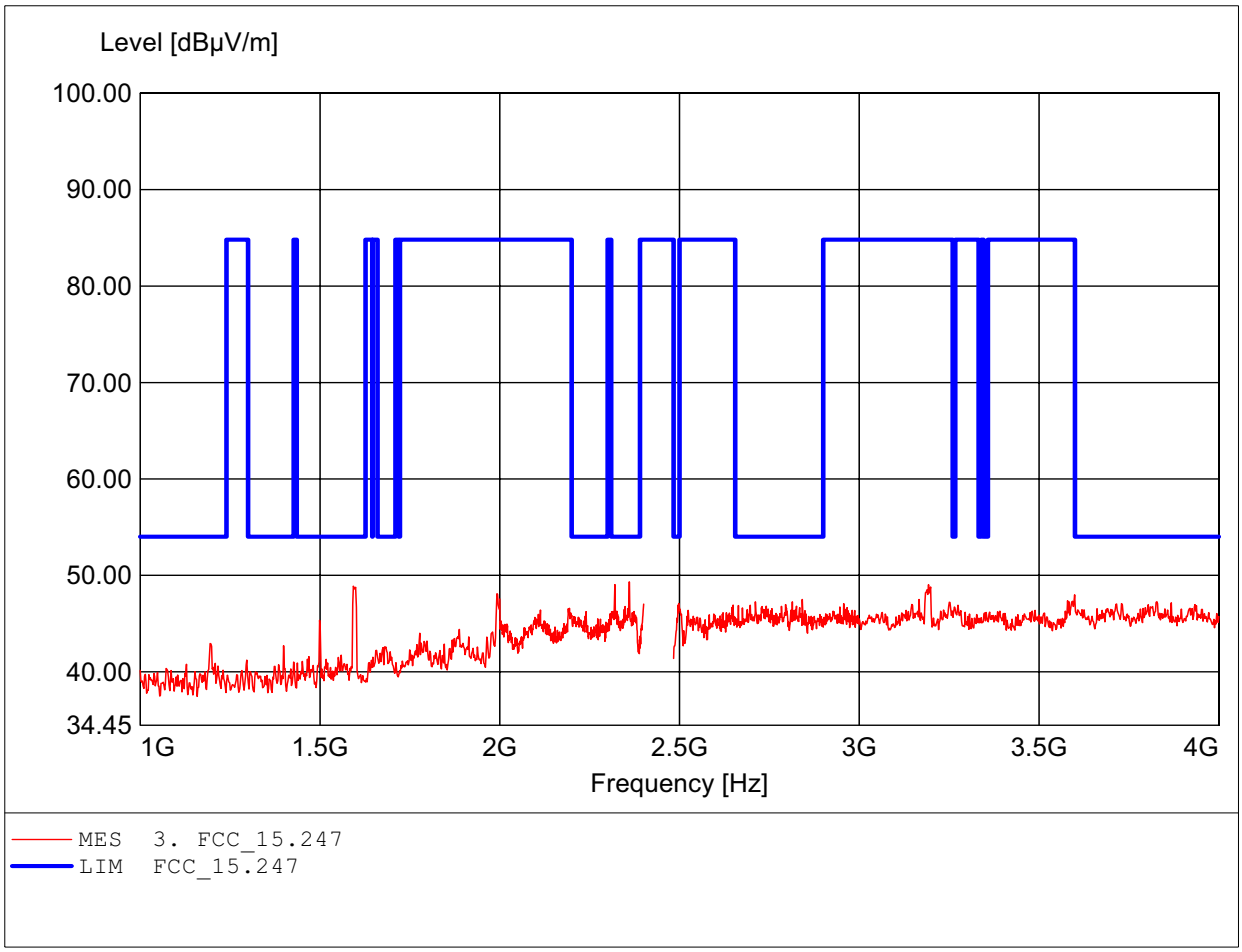
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, amplif.
                       Freq: 1.994GHz, Emax: 52.26dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

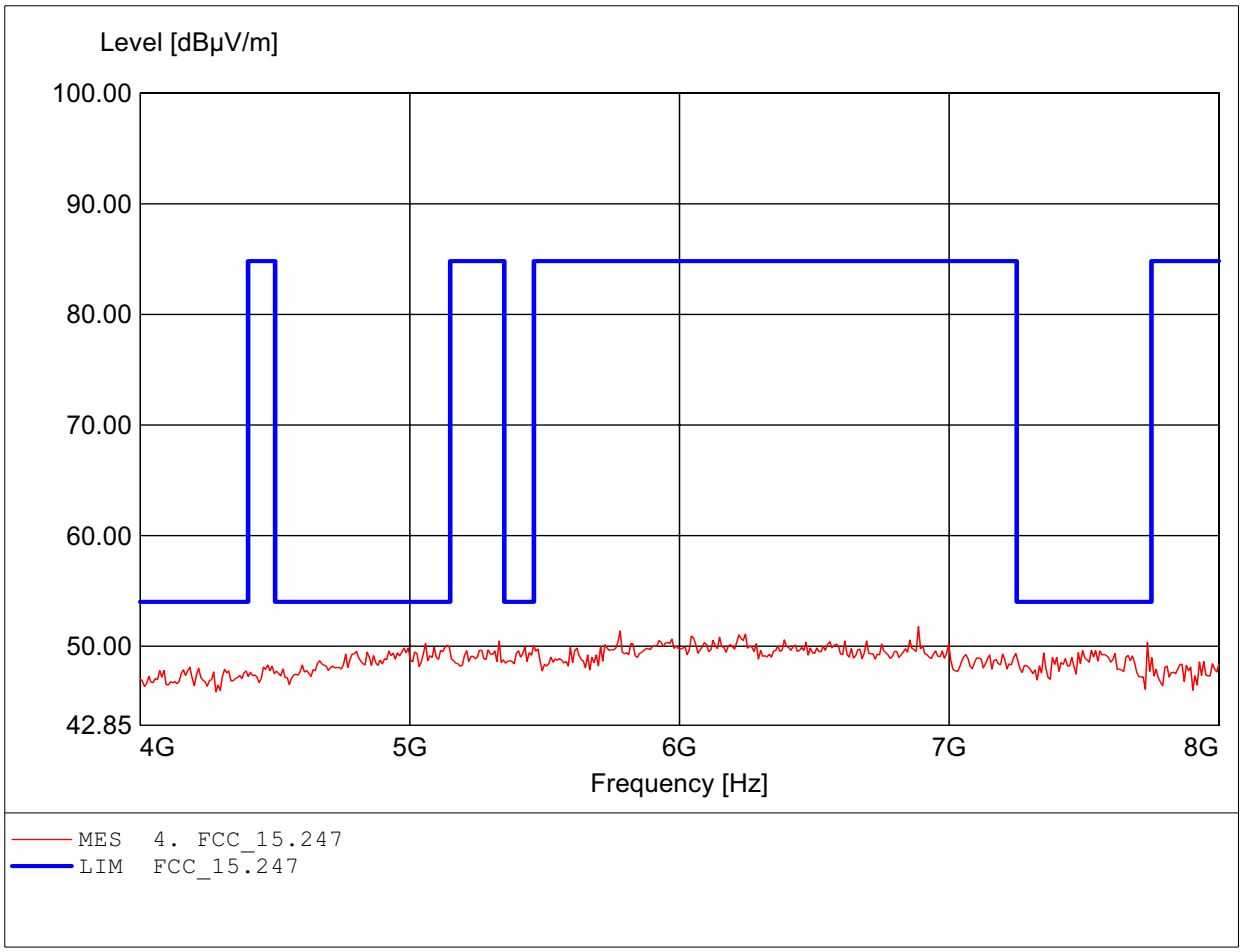
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, amplif.
                       Freq: 2.360GHz, Emax: 49.32dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

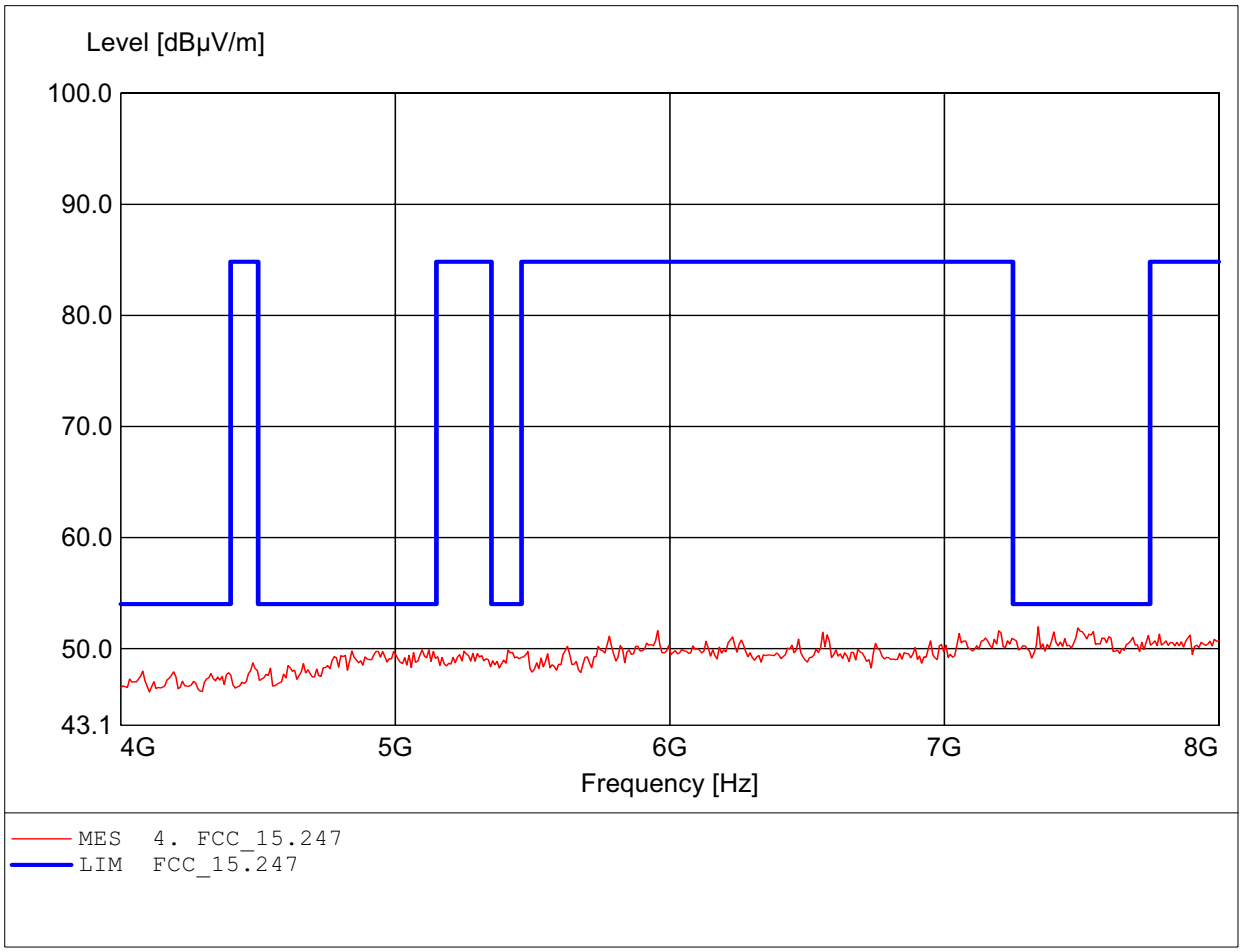
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.+HP.
                       Freq: 6.886GHz, Emax: 51.77dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

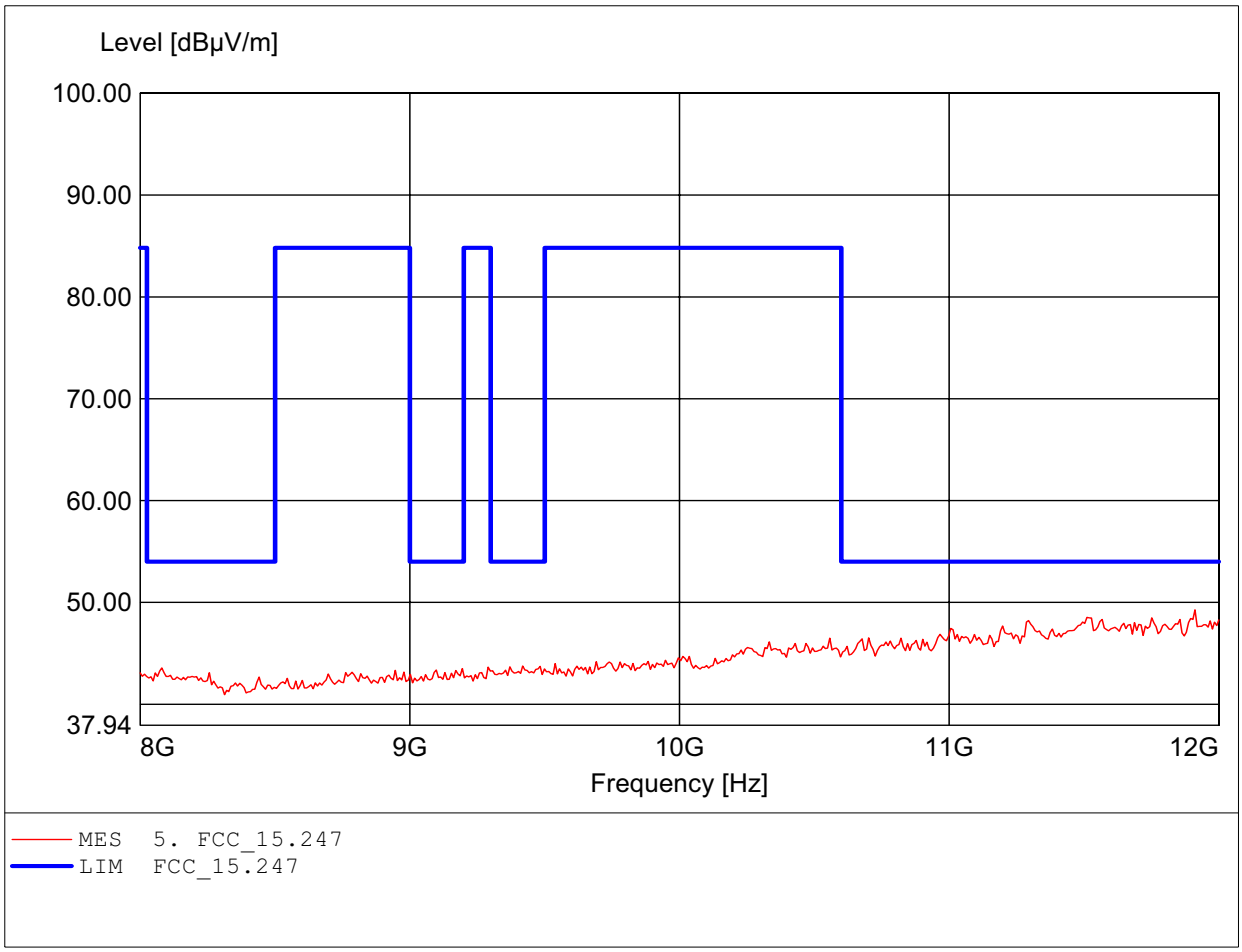
Order Number: W6M20703-7881 802.11b CH 6
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.#HP.
Freq: 7.343GHz, Emax: 51.96dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

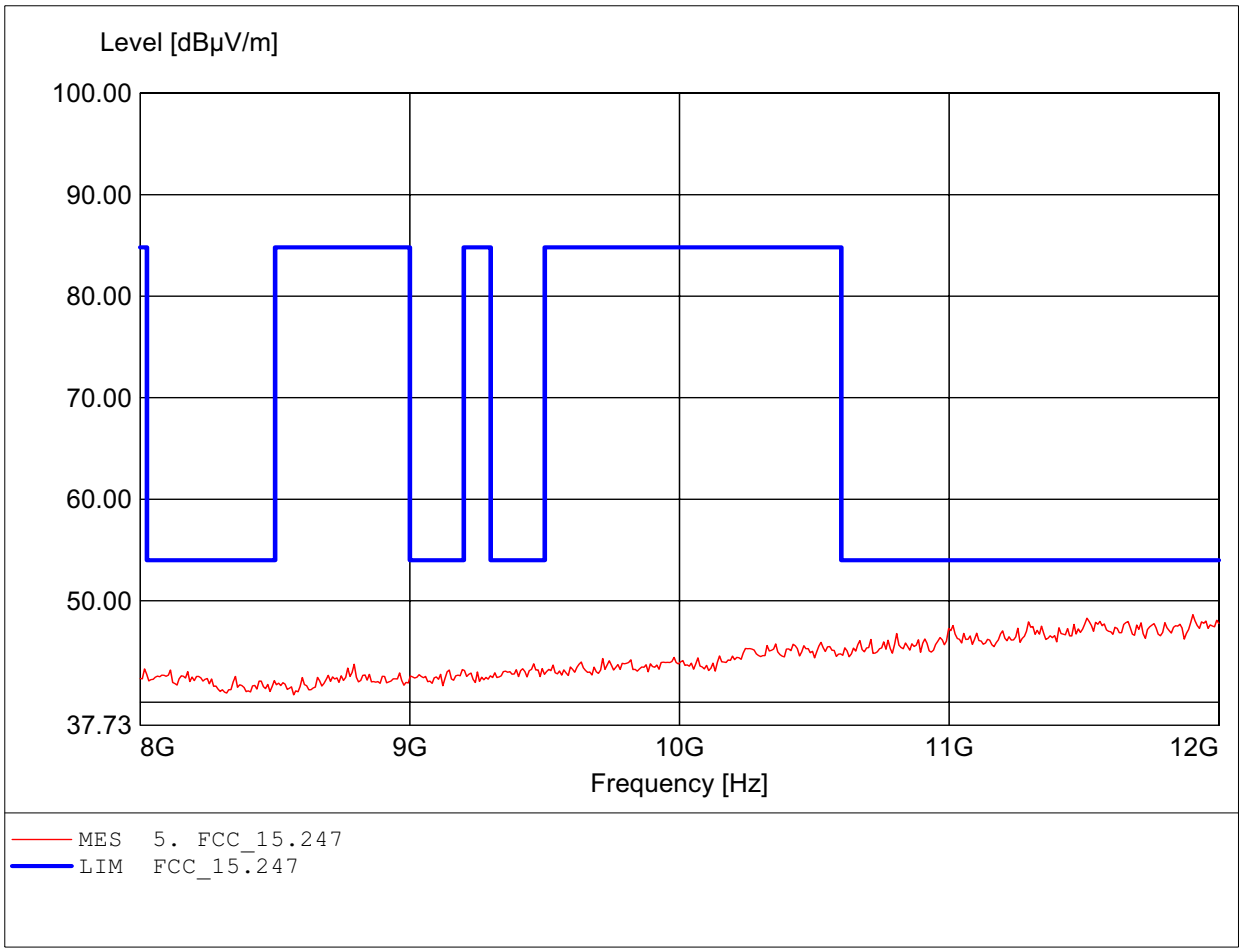
Order Number: W6M20703-7881 802.11b CH 6
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.: HP.
Freq: 11.912GHz, Emax: 49.26dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

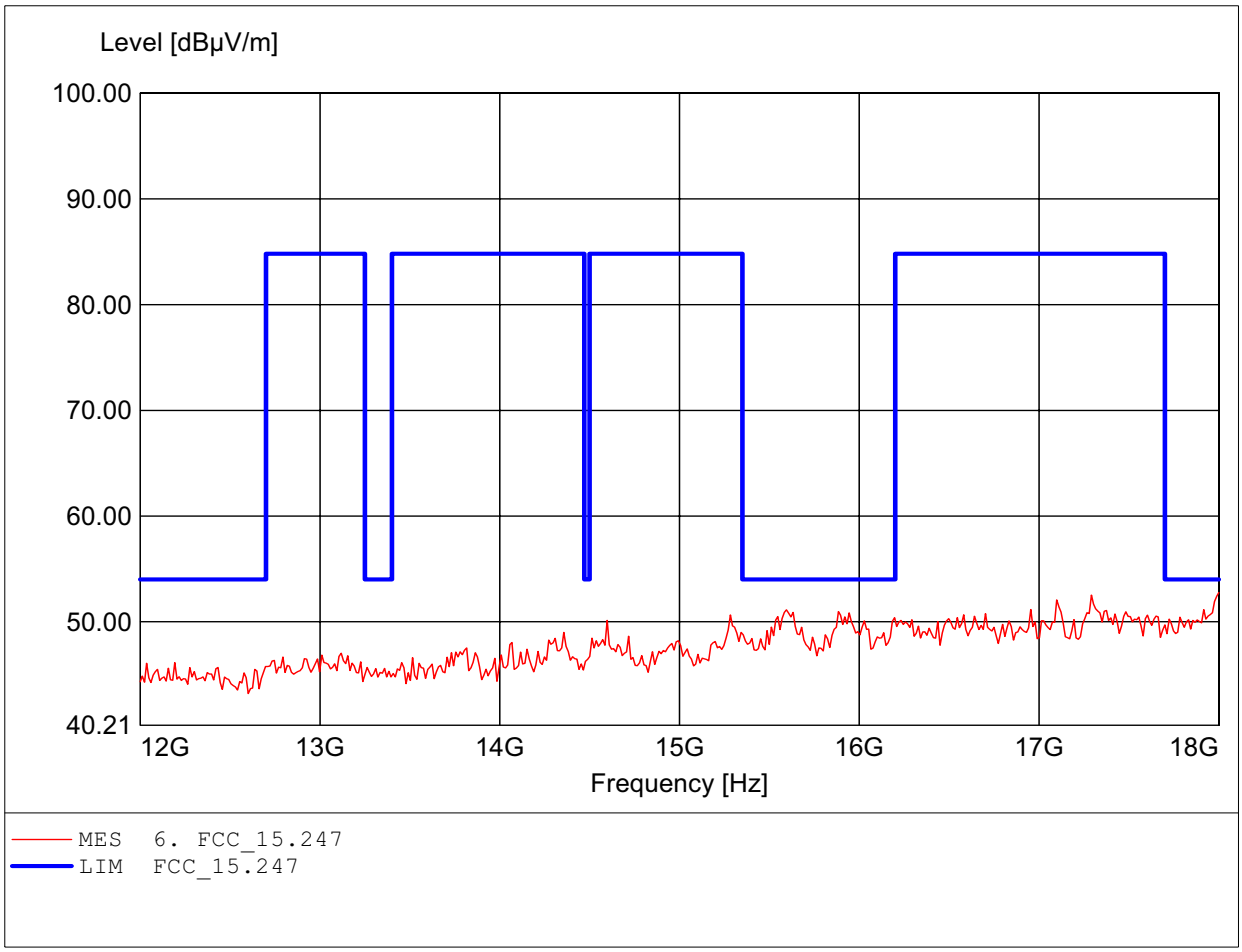
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.+HP.
                       Freq: 11.904GHz, Emax: 48.62dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

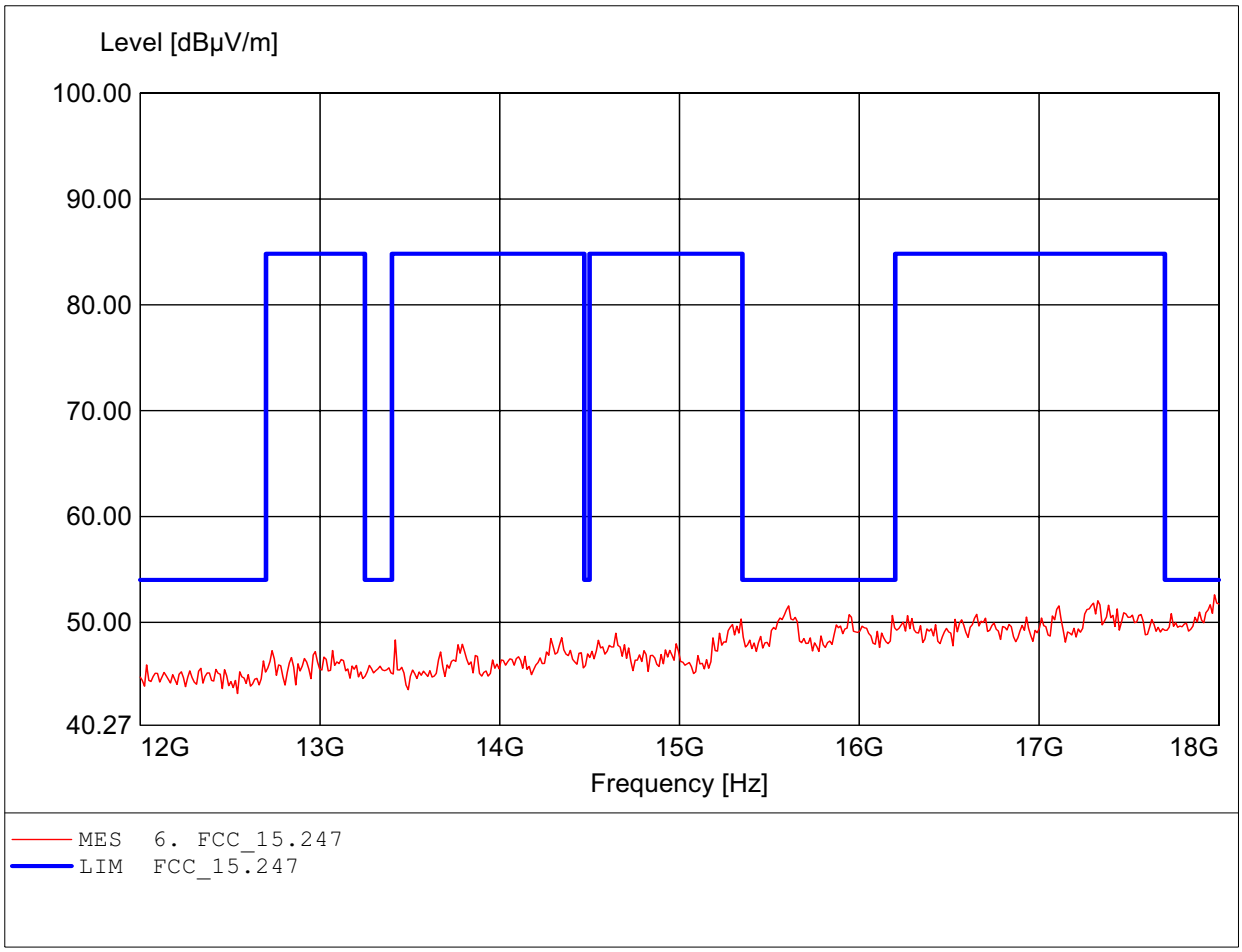
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.+HP.
                       Freq: 18.000GHz, Emax: 52.76dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

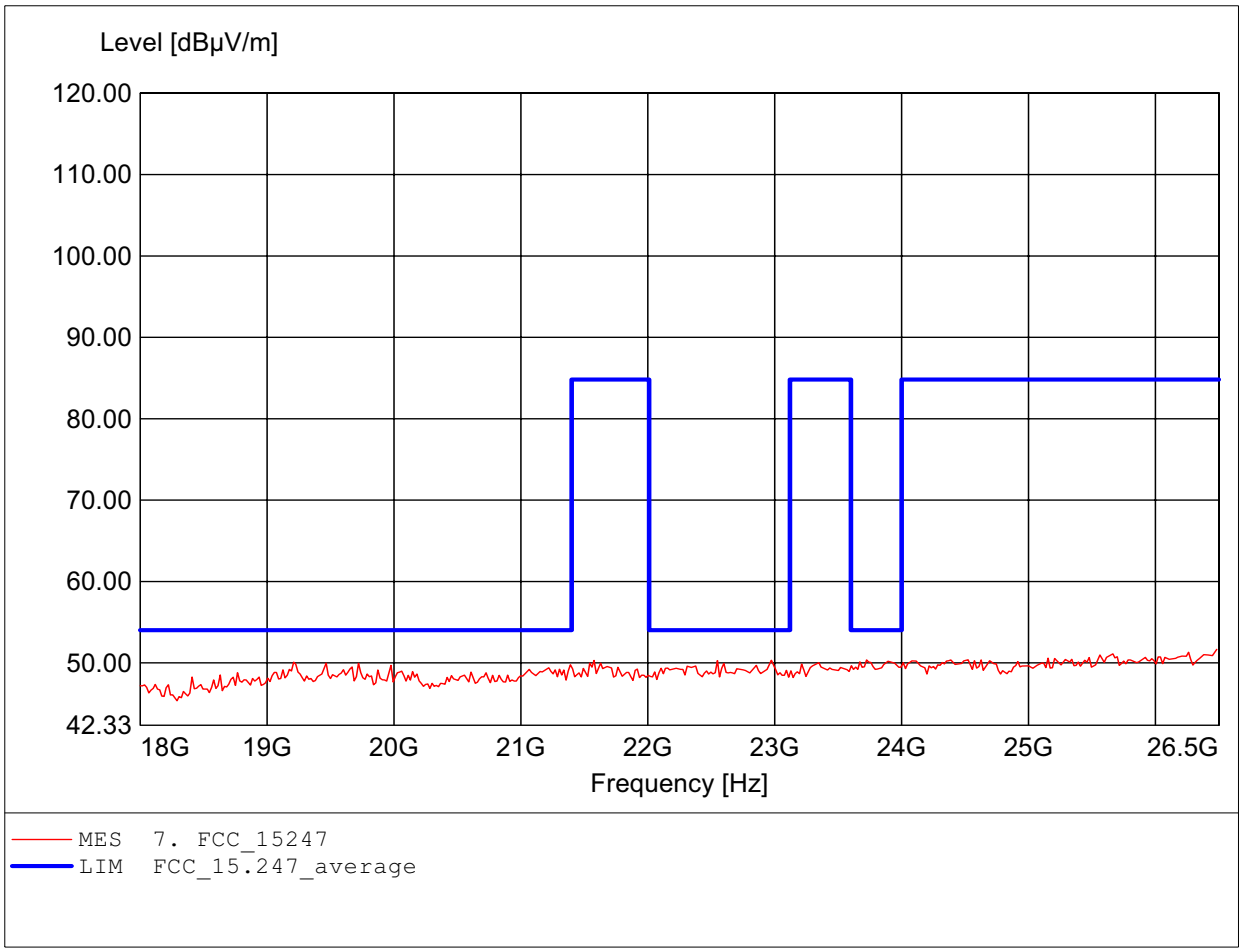
Order Number: W6M20703-7881 802.11b CH 6
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.976GHz, Emax: 52.59dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

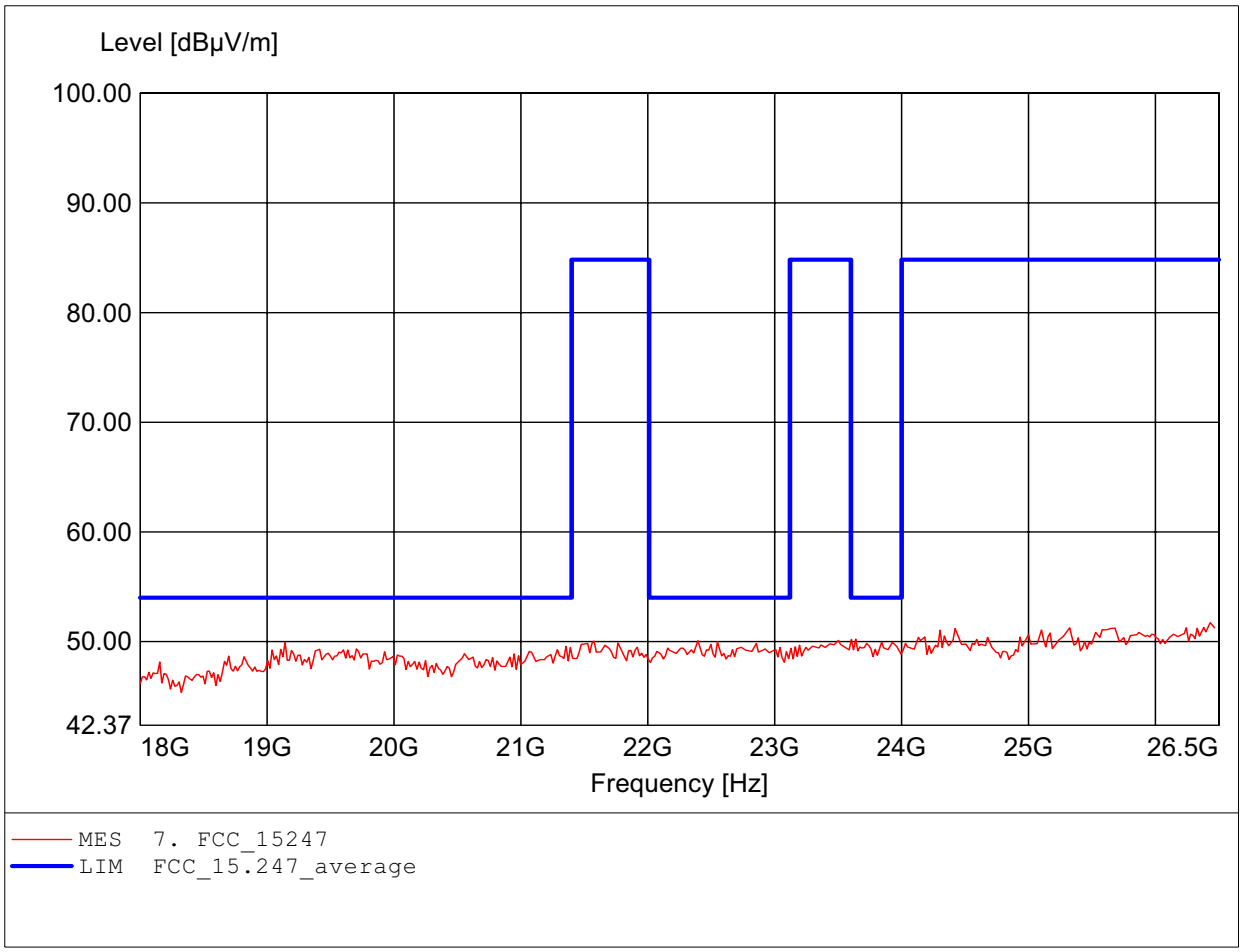
Order Number: W6M20703-7881 802.11b CH 6
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.483GHz, Emax: 51.65dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

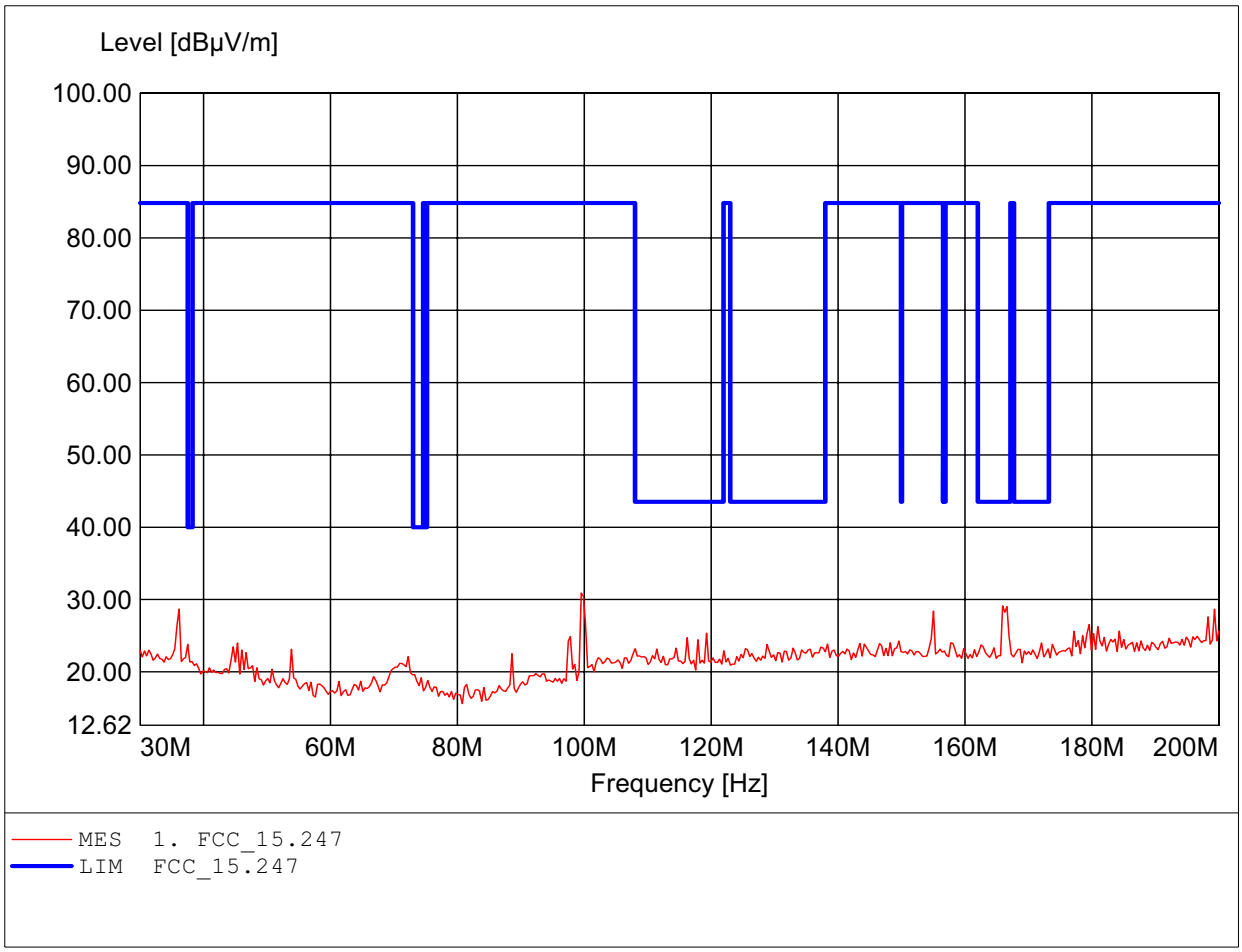
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, amplif.
                       Freq: 26.432GHz, Emax: 51.72dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

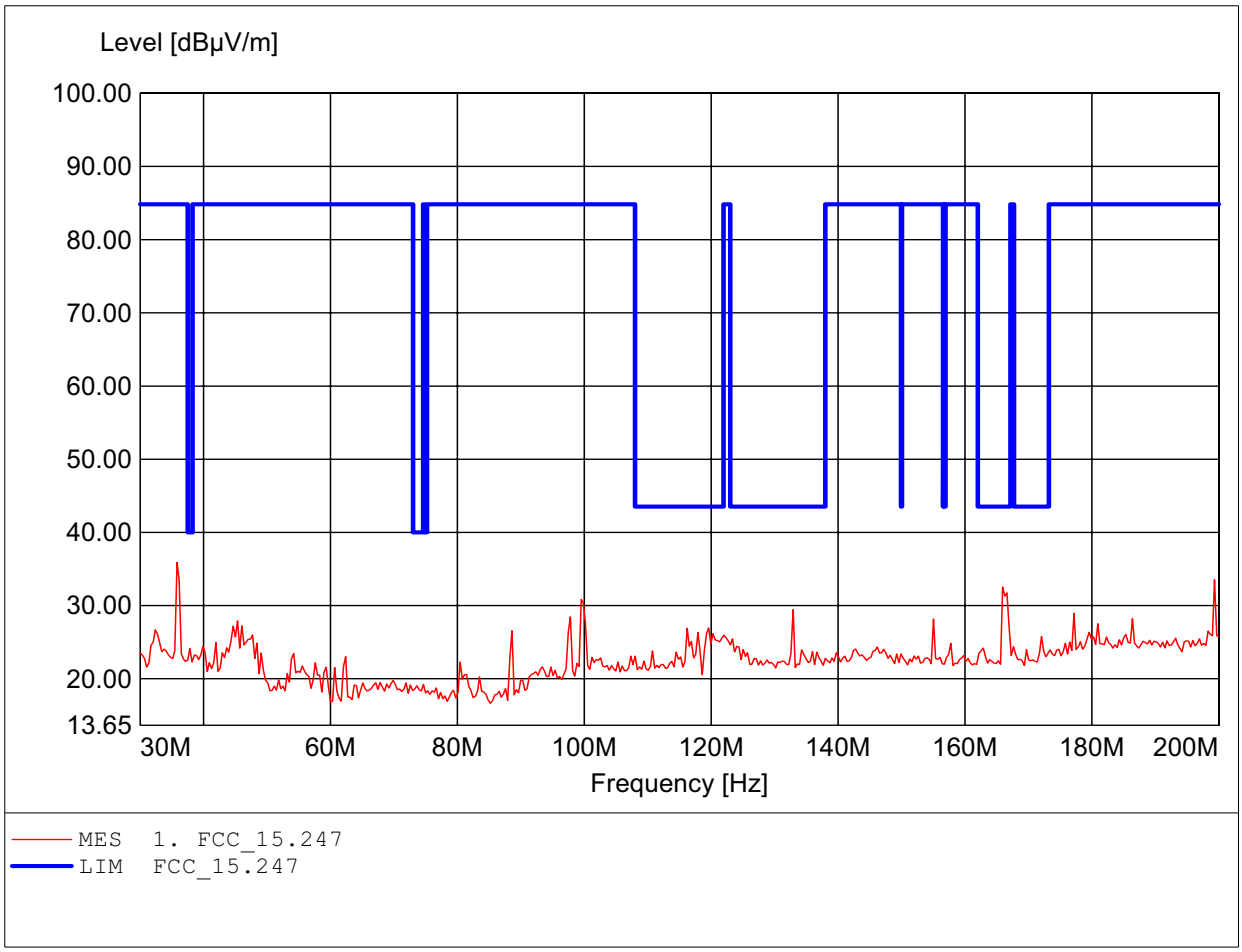
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HK 116
                       Freq: 99.499MHz, Emax: 30.90dBµV/m, RBW: 100kHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

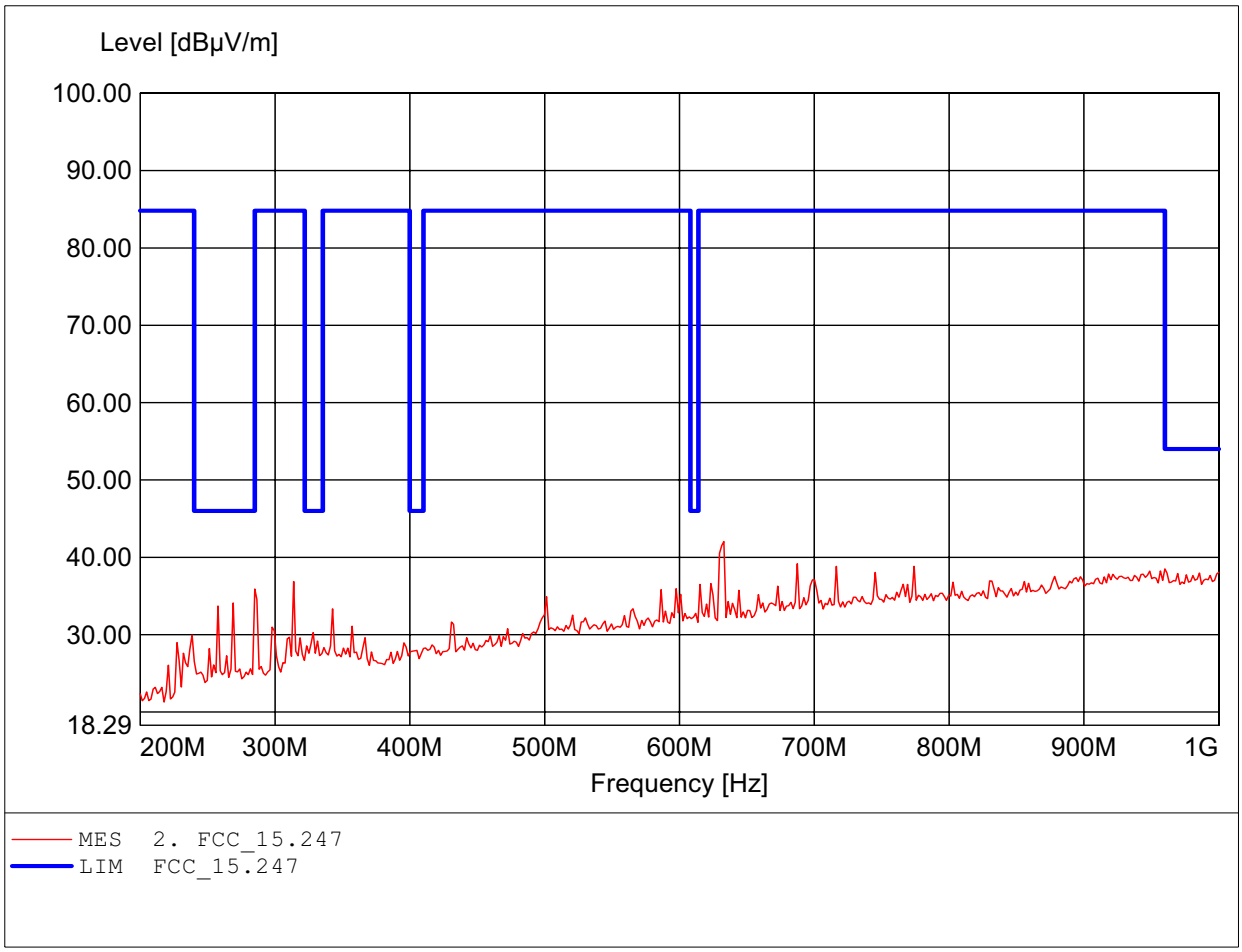
Order Number: W6M20703-7881 802.11b CH 11
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 35.792MHz, Emax: 35.87dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

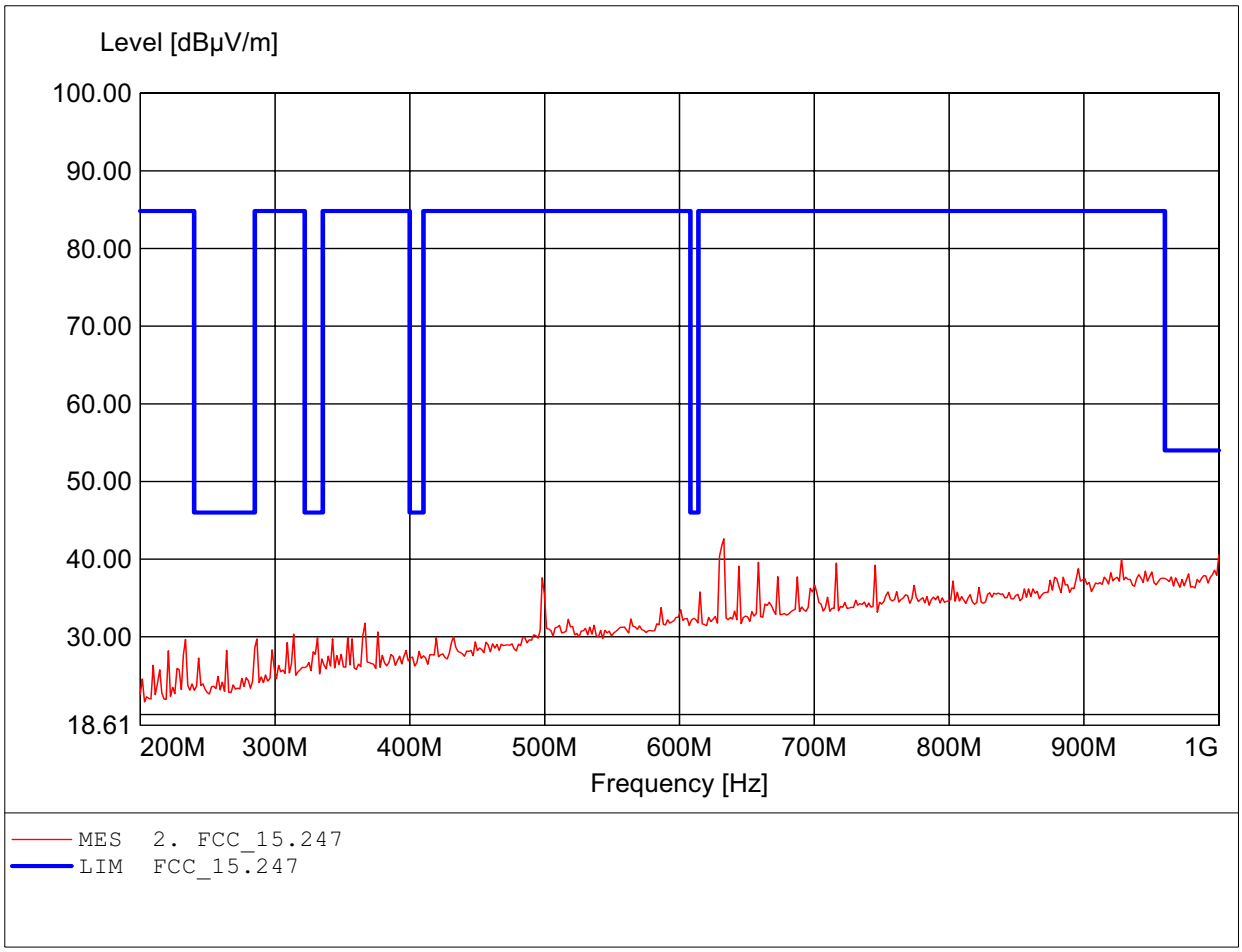
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL 223, amplif.
                       Freq: 632.866MHz, Emax: 42.05dBµV/m, RBW: 100kHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

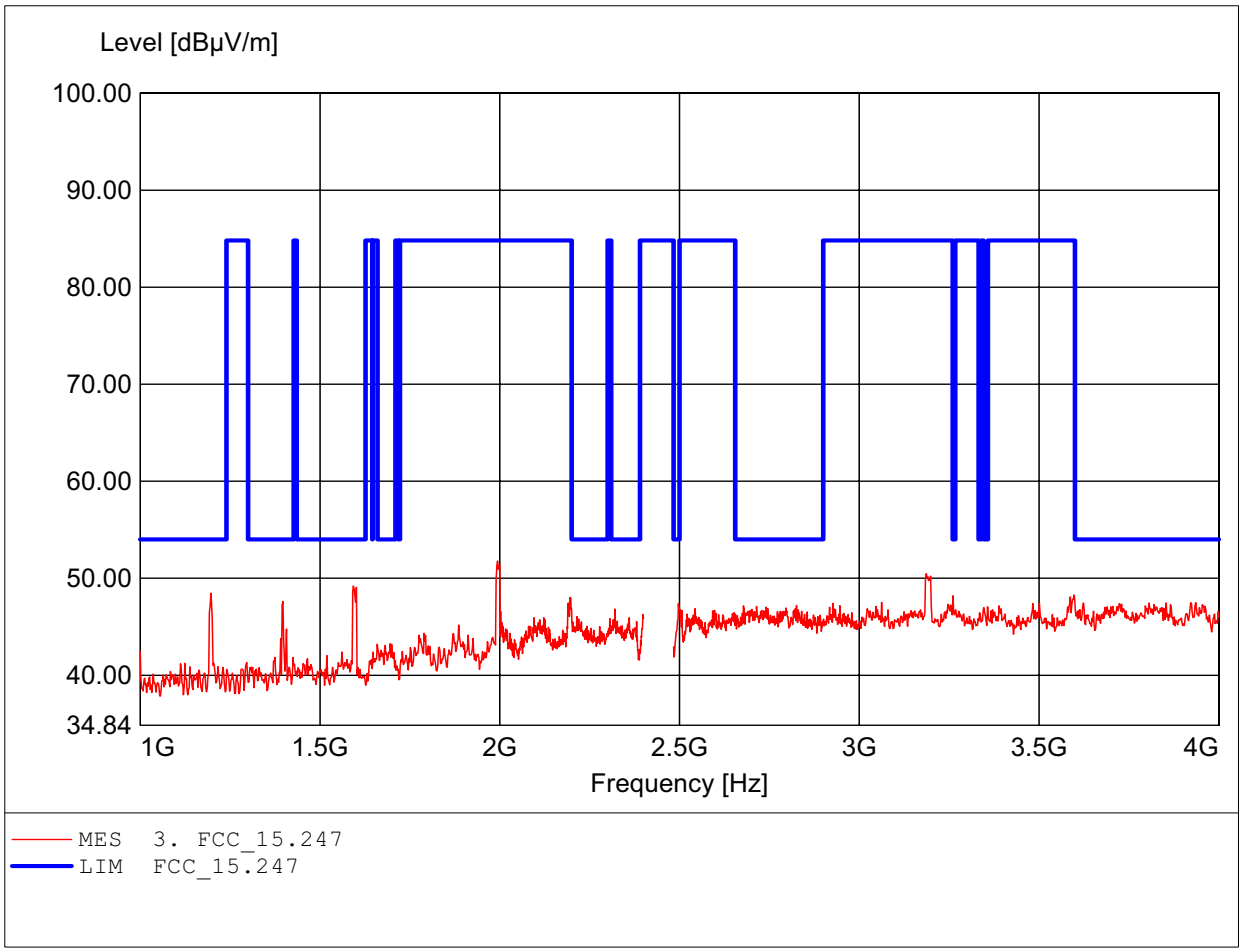
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL 223, amplif.
                       Freq: 632.866MHz, Emax: 42.62dBµV/m, RBW: 100kHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

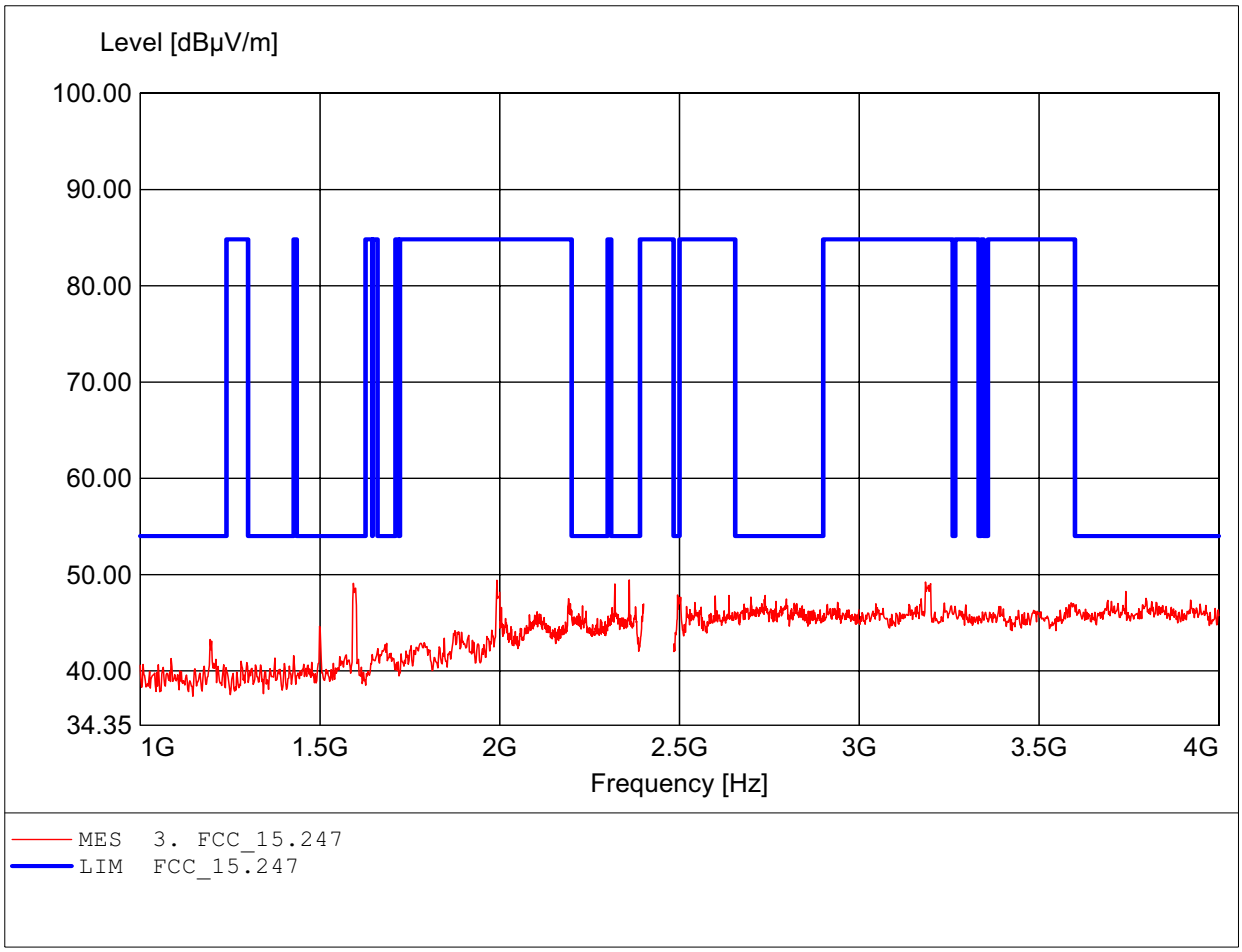
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, amplif.
                       Freq: 1.994GHz, Emax: 51.77dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

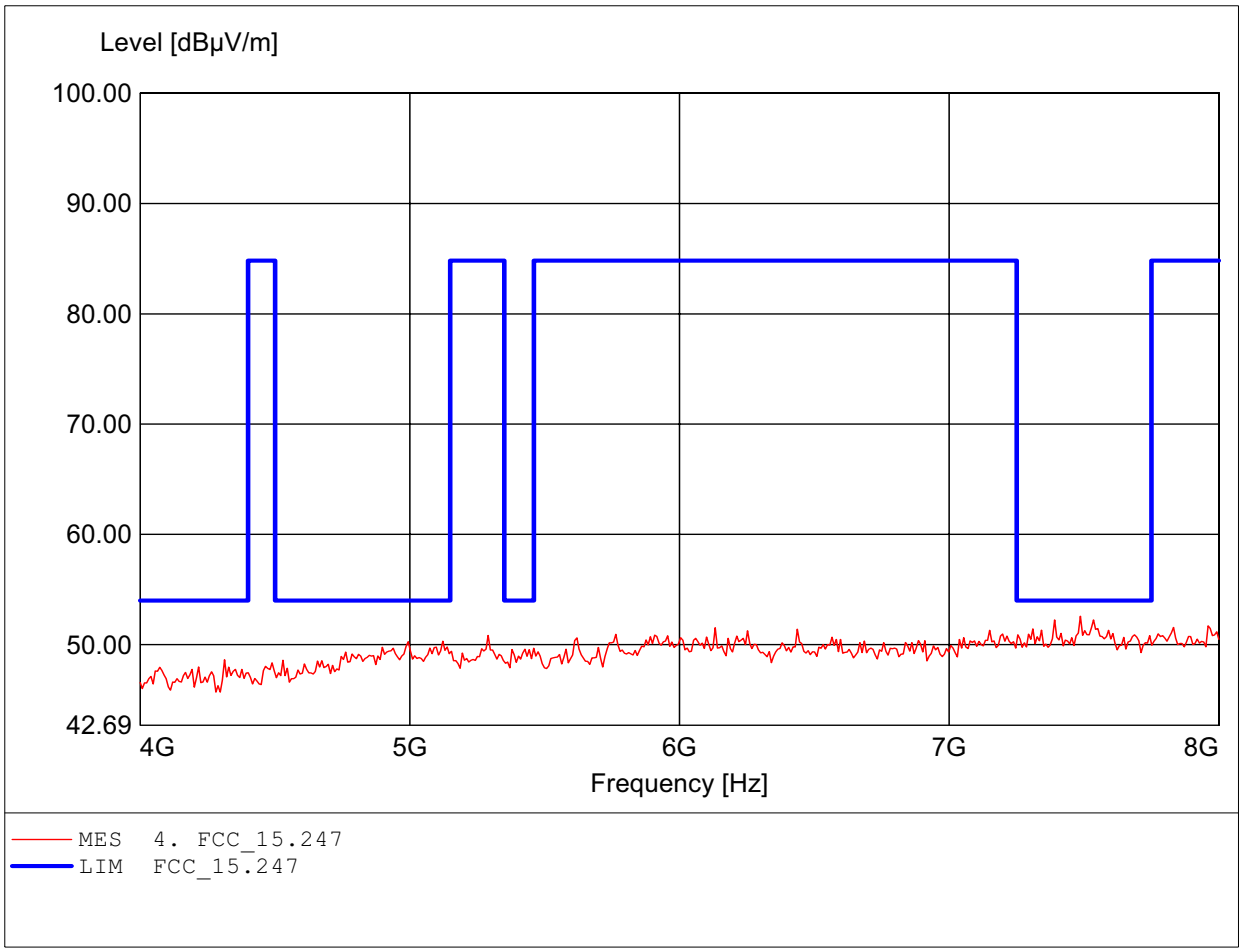
Order Number: W6M20703-7881 802.11b CH 11
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 2.360GHz, Emax: 49.44dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

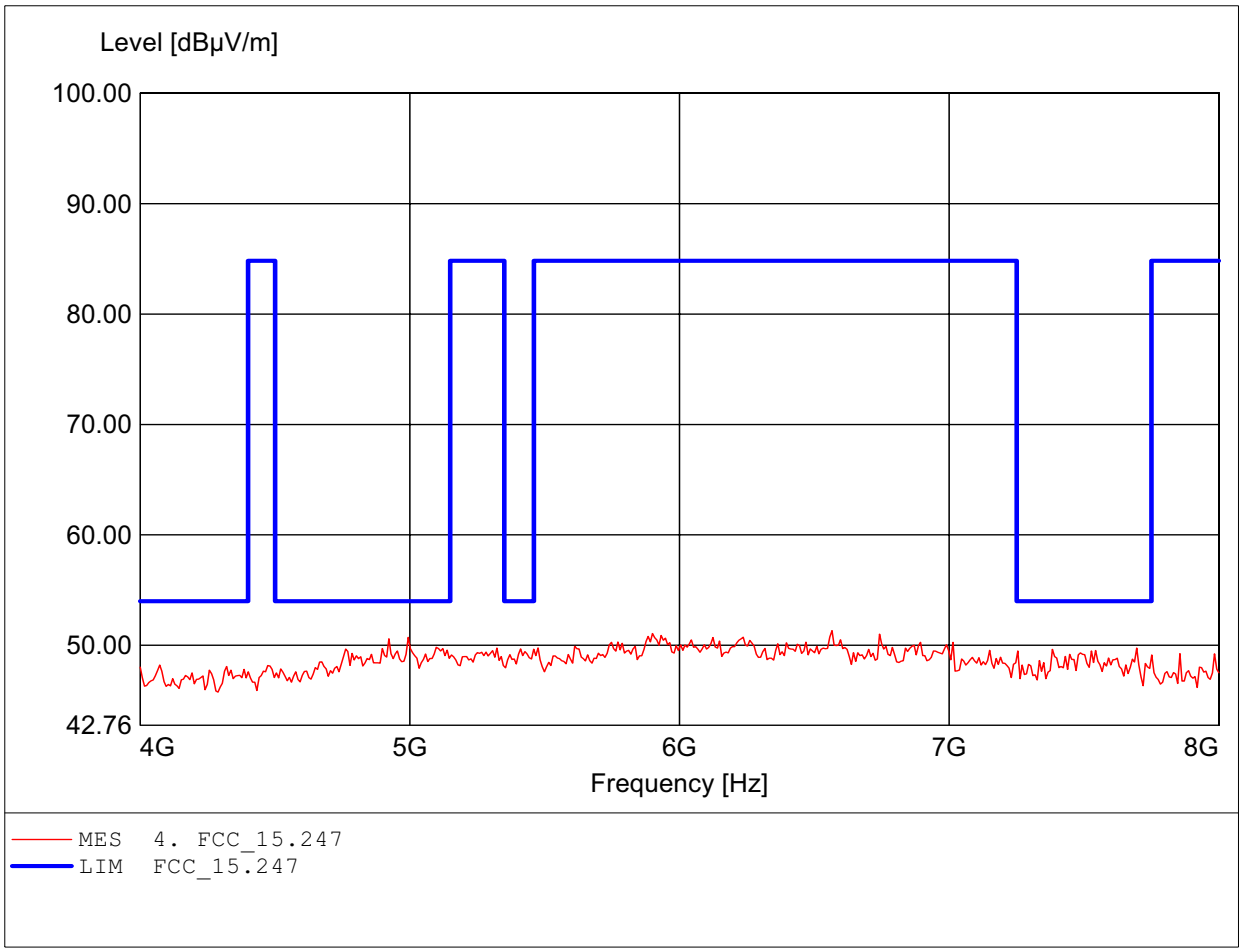
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.+HP.
                       Freq: 7.487GHz, Emax: 52.58dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

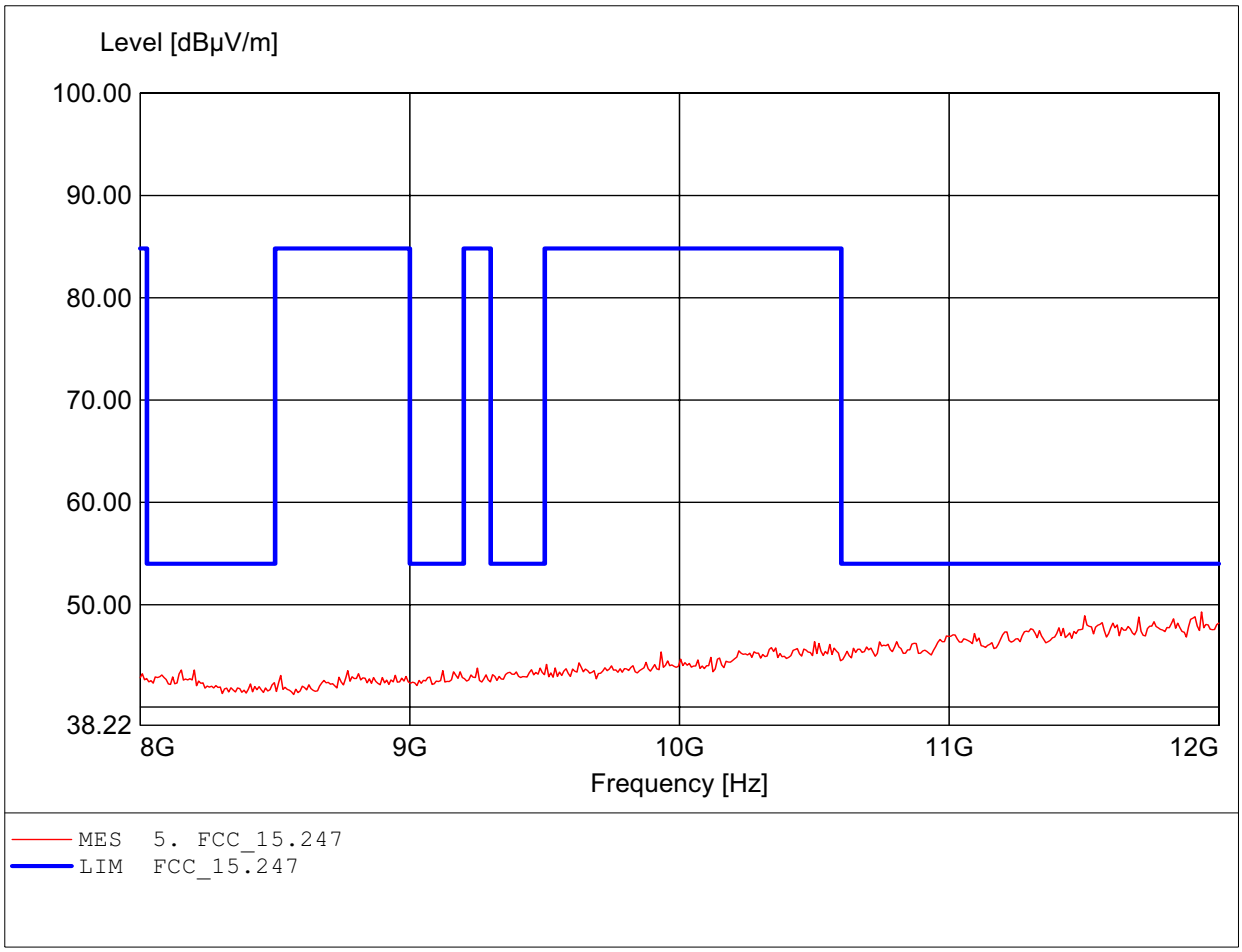
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.+HP.
                       Freq: 6.565GHz, Emax: 51.32dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

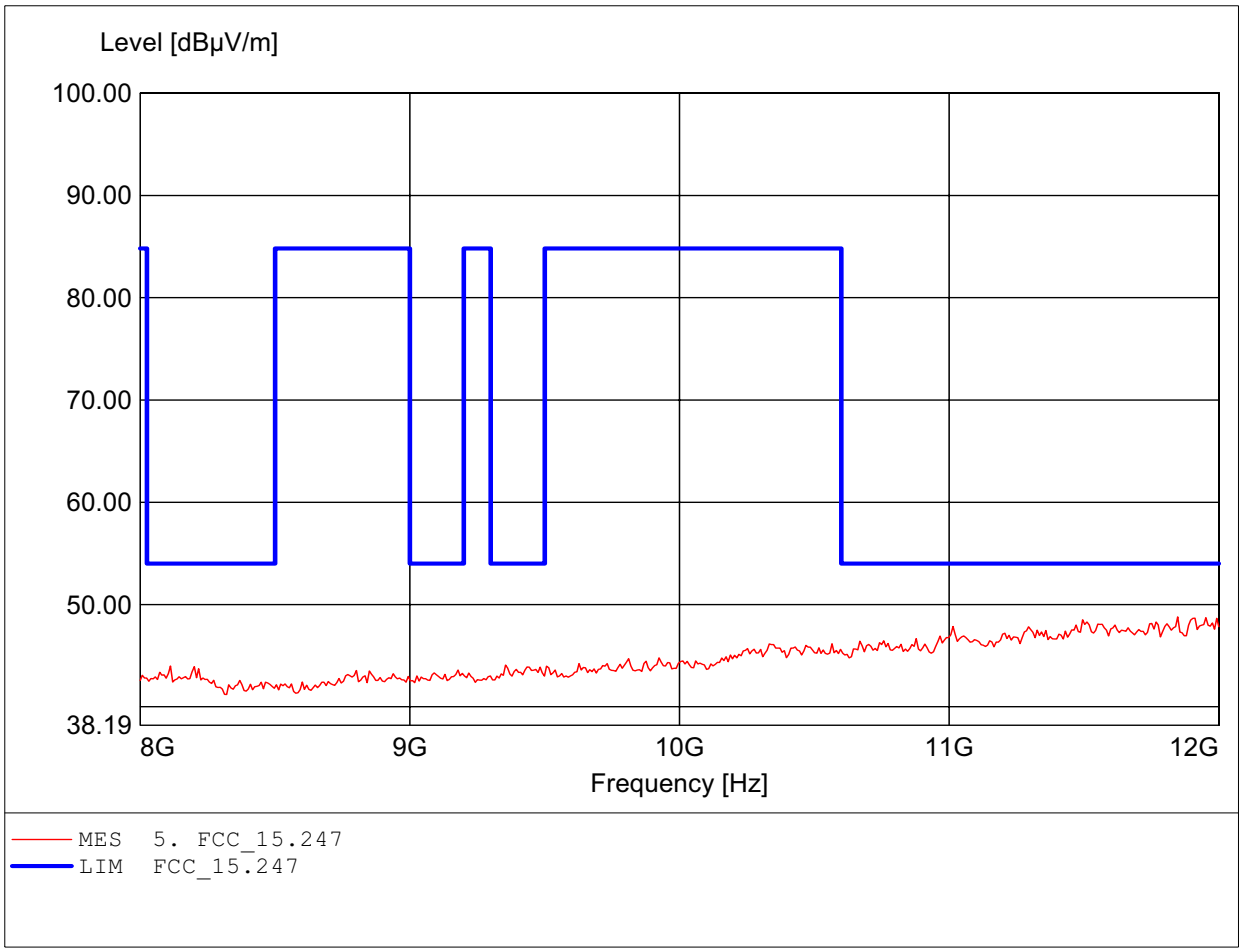
Order Number: W6M20703-7881 802.11b CH 11
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.936GHz, Emax: 49.30dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

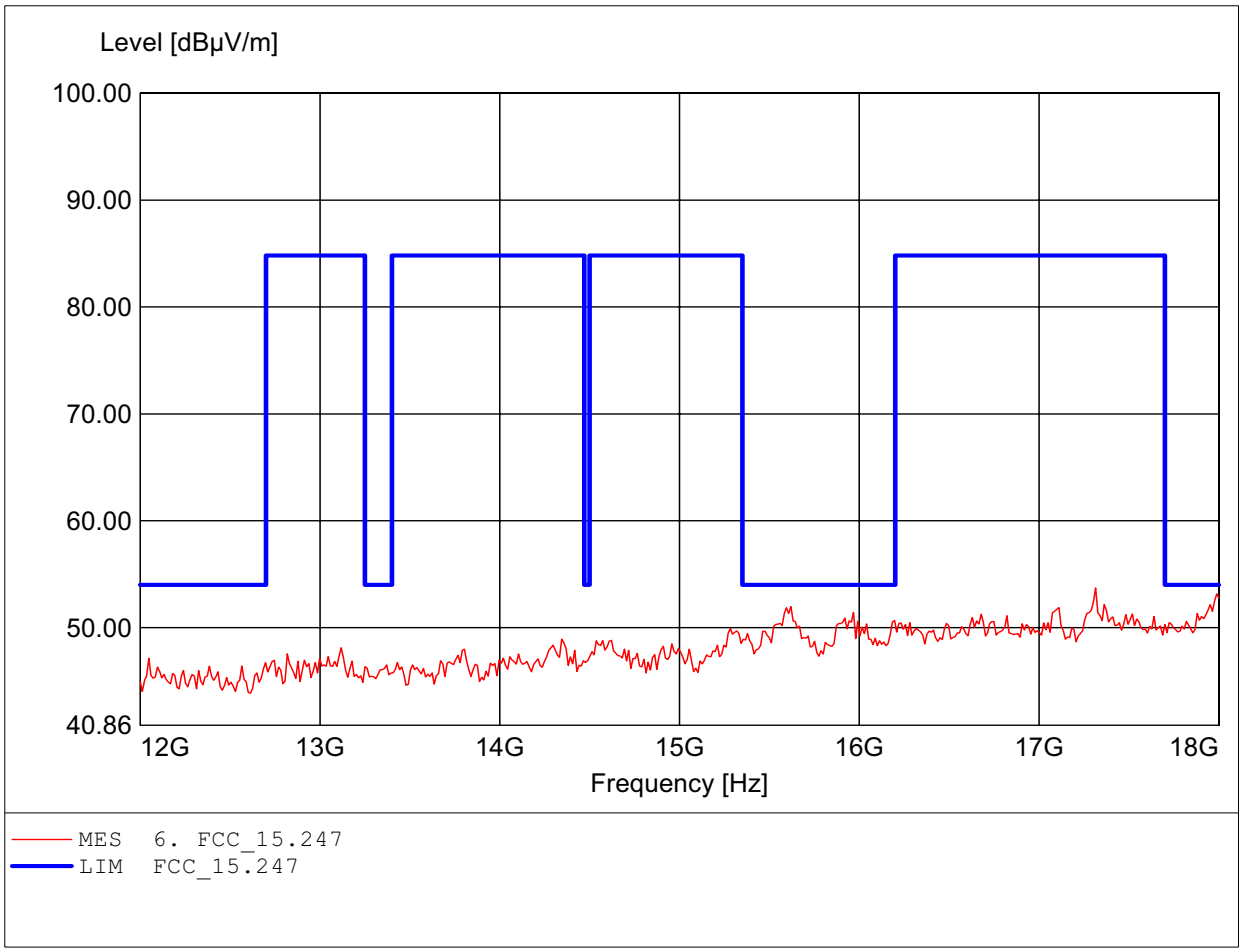
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.+HP.
                       Freq: 11.848GHz, Emax: 48.79dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

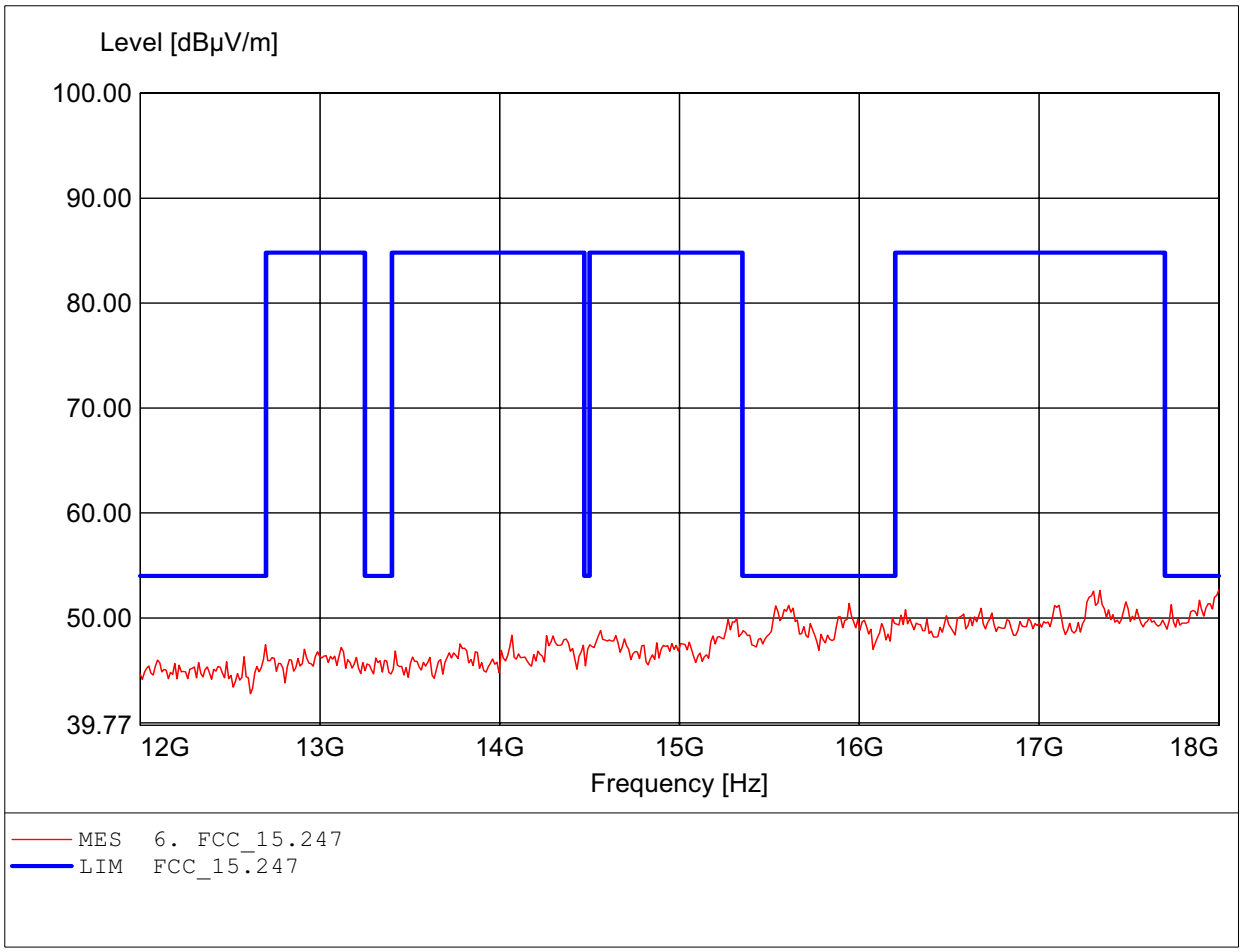
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.+HP.
                       Freq: 17.315GHz, Emax: 53.70dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

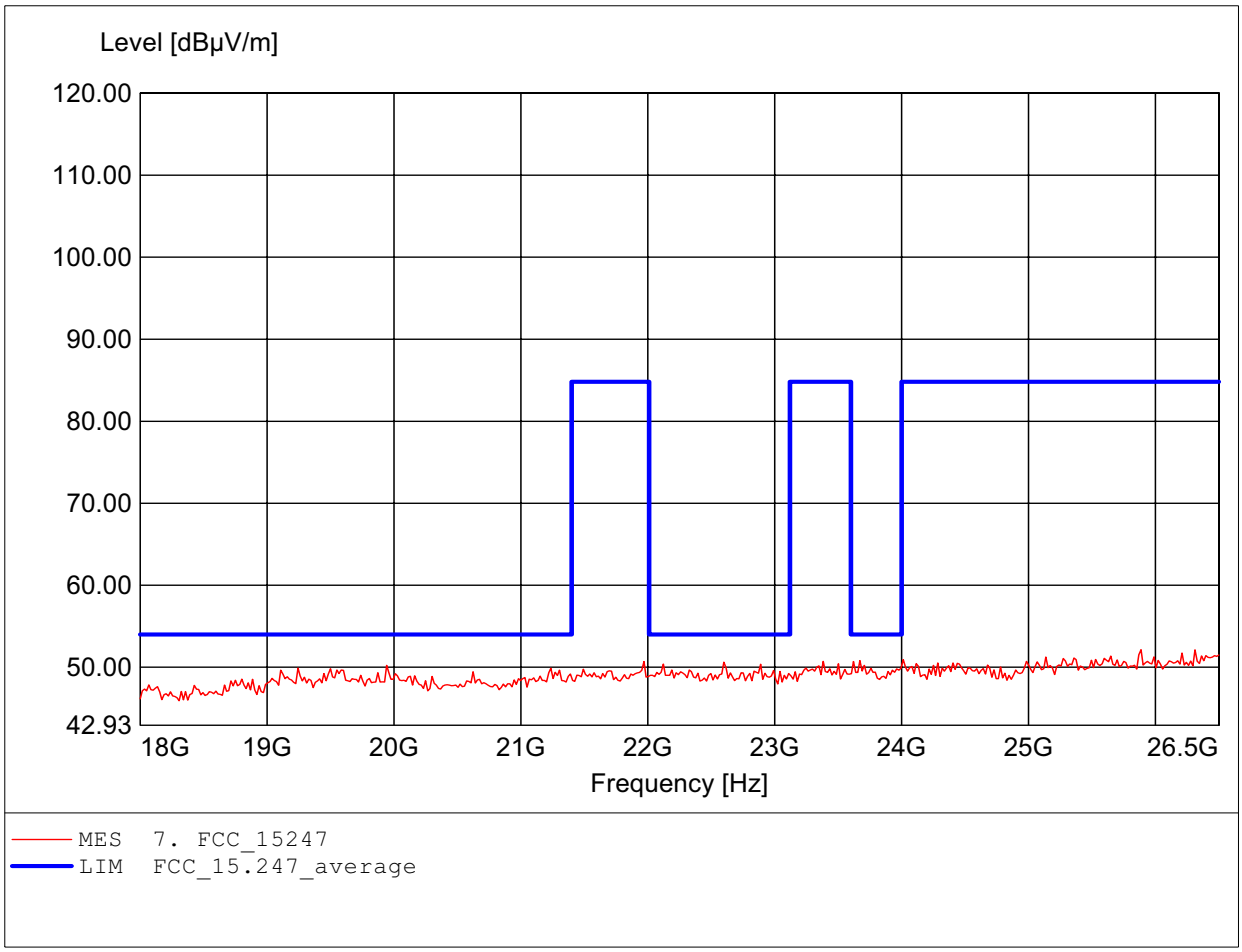
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.+HP.
                       Freq: 18.000GHz, Emax: 52.67dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

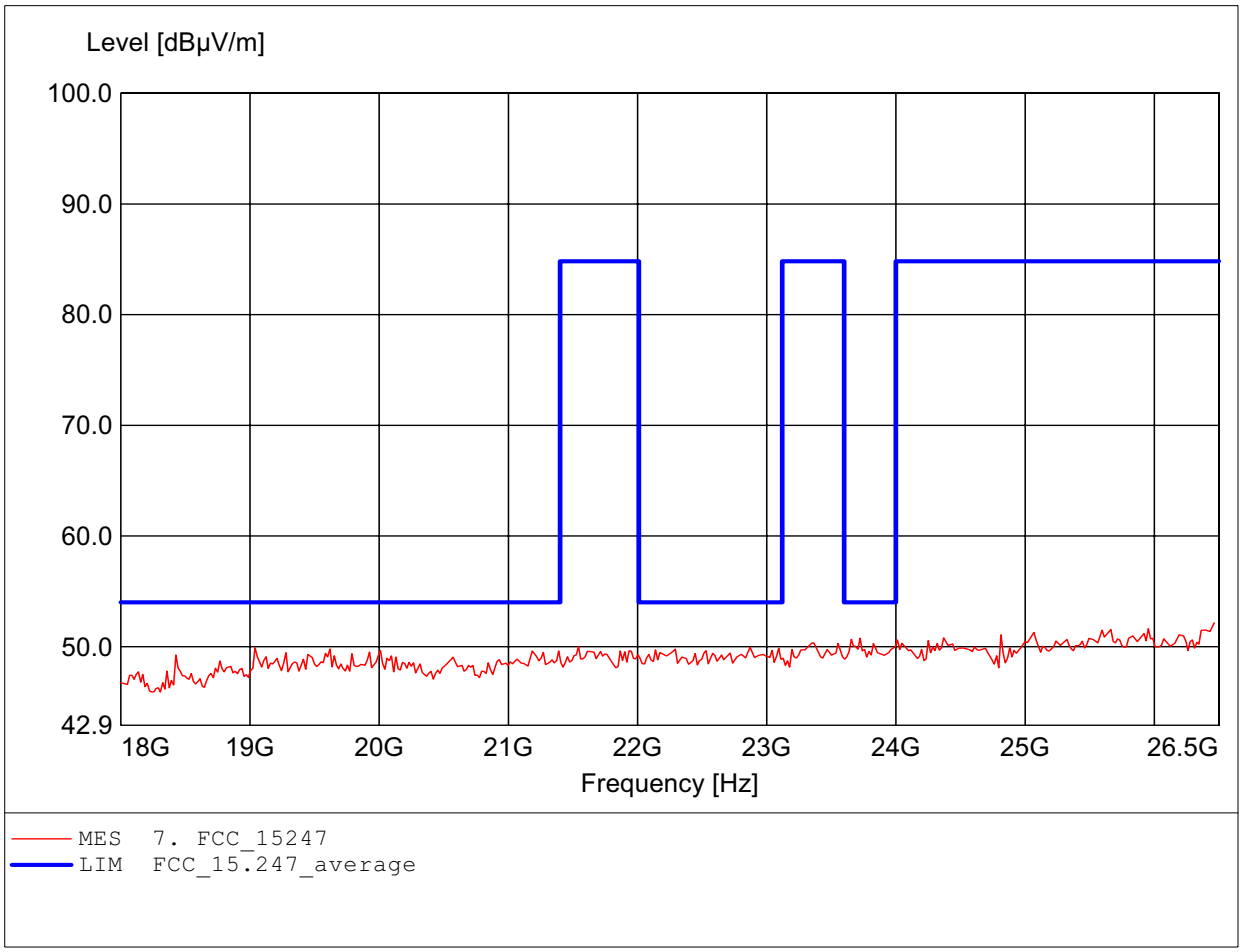
Order Number: W6M20703-7881 802.11b CH 11
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 25.887GHz, Emax: 52.15dBµV/m, RBW: 1MHz

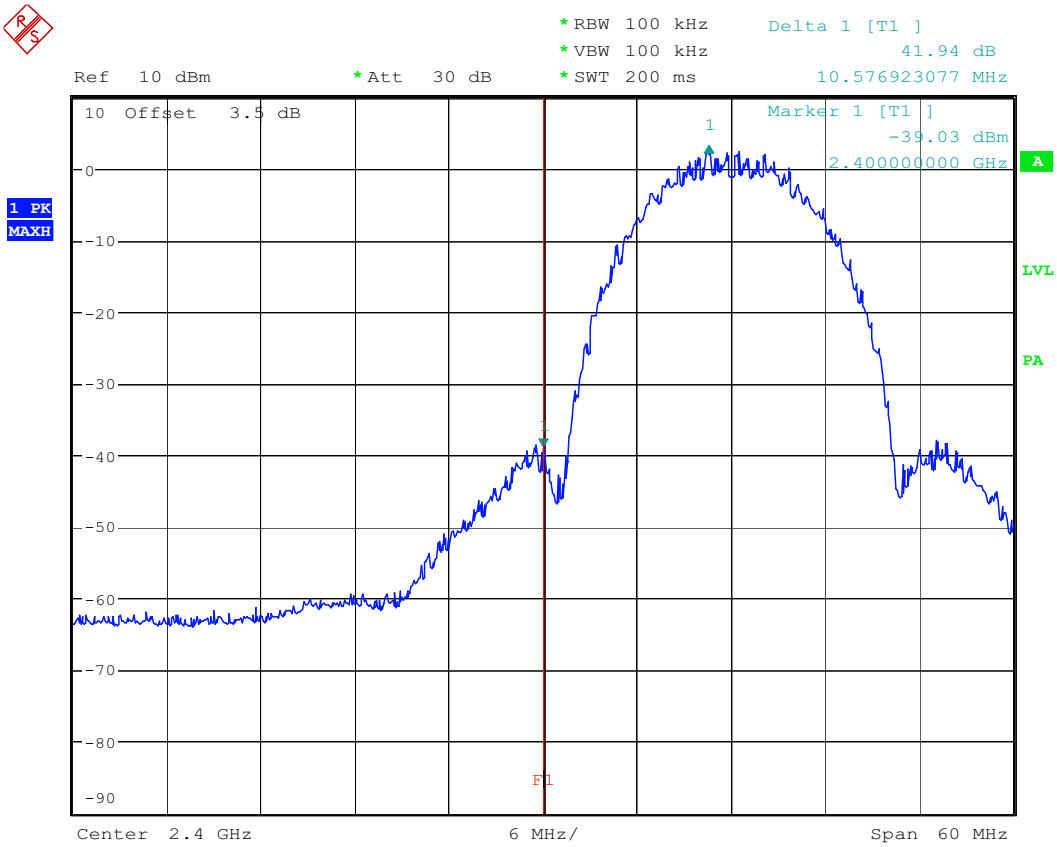


Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

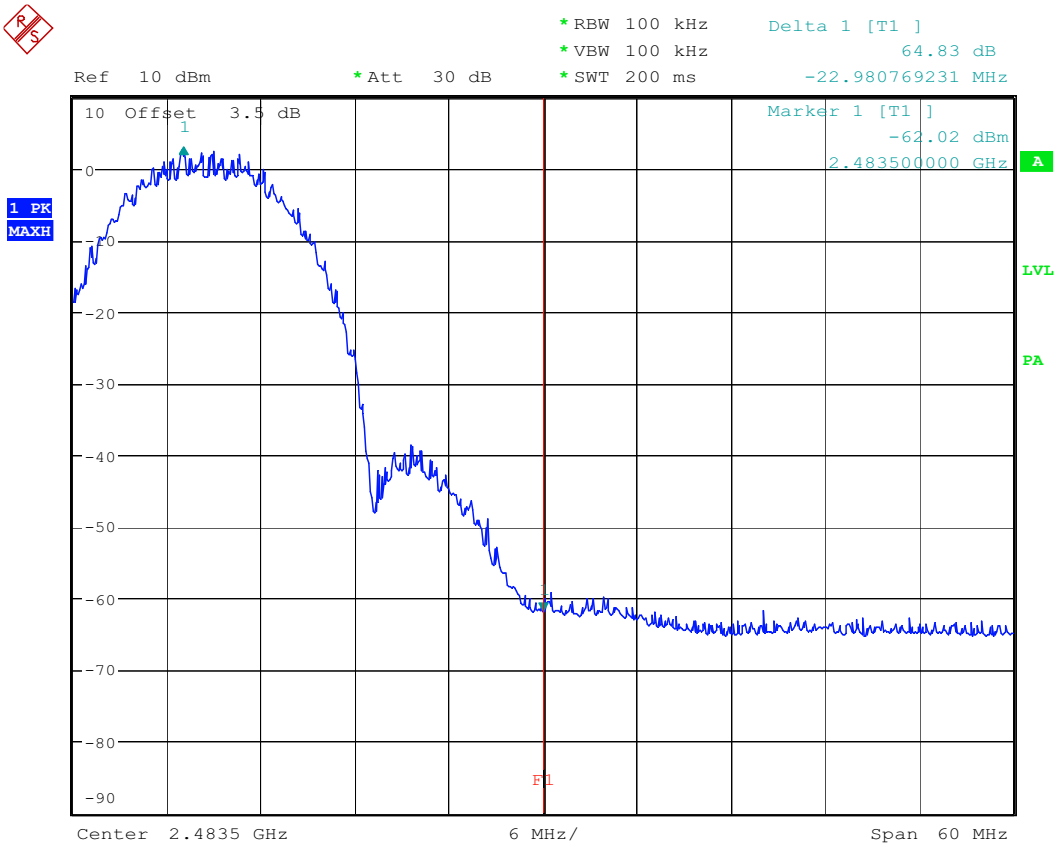
Order Number: W6M20703-7881 802.11b CH 11
Test Site / Operator: ETS / Derek
Temperature: Temp.: 23.9°C
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.466GHz, Emax: 52.15dBµV/m, RBW: 1MHz





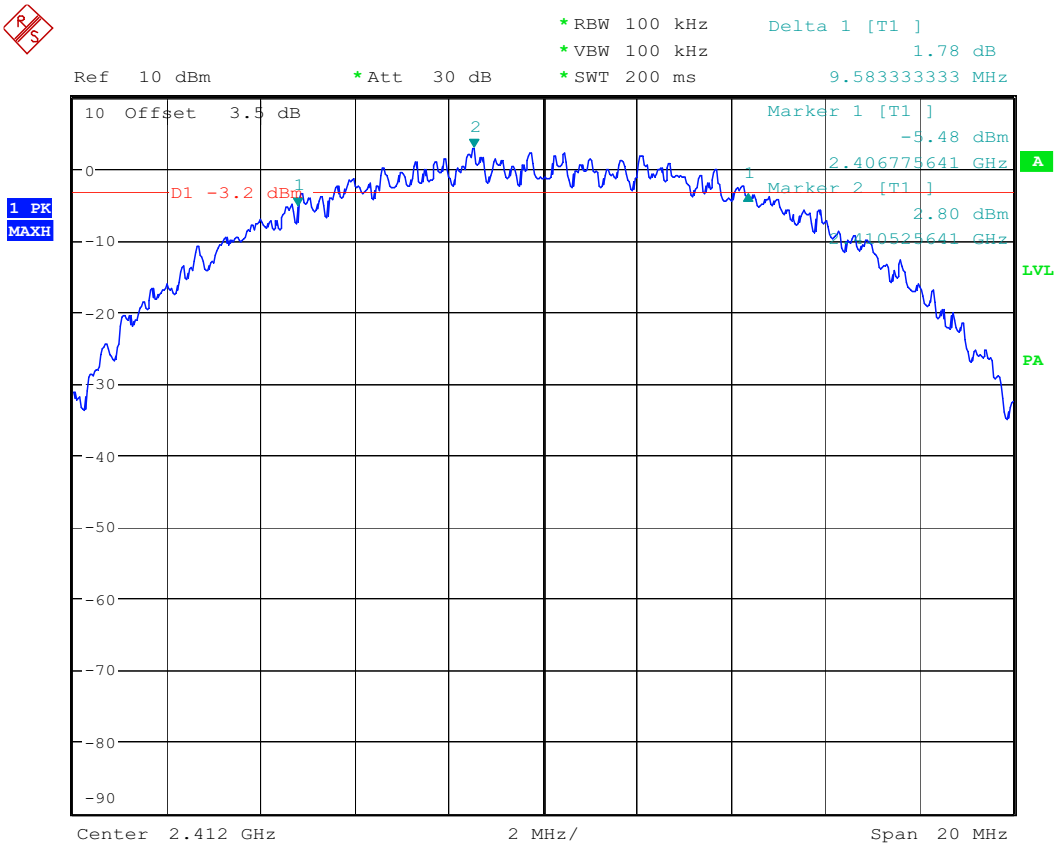
BANDEDGE 802.11b CH1

Date: 19.MAR.2007 16:51:33



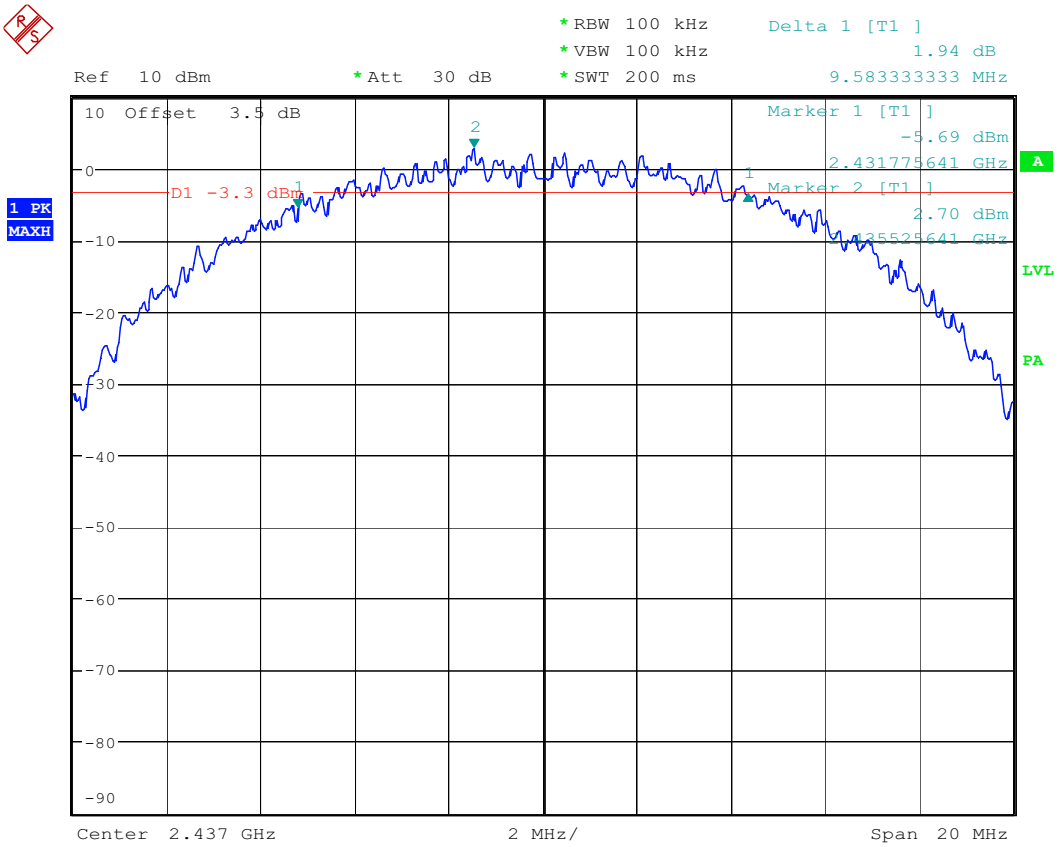
BANDEDGE 802.11b CH11

Date: 19.MAR.2007 16:53:18



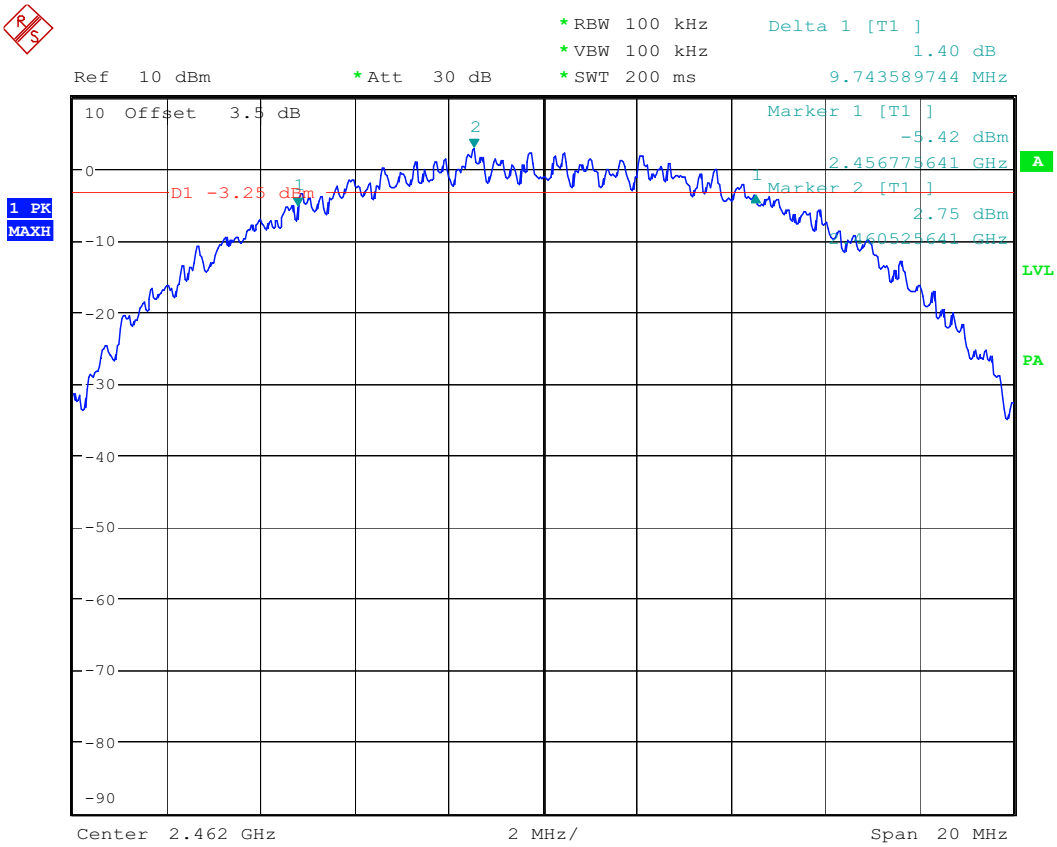
6dB BANDWIDTH 802.11b CH1

Date: 19.MAR.2007 17:04:52



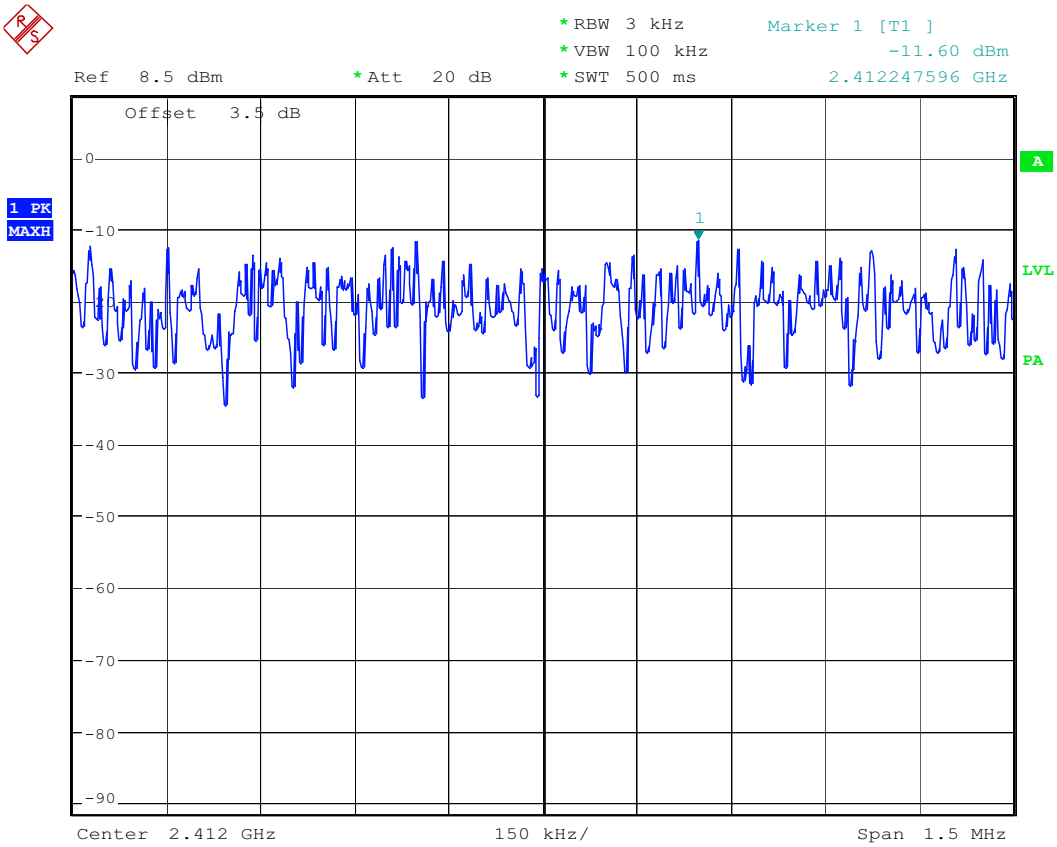
6dB BANDWIDTH 802.11b CH6

Date: 19.MAR.2007 17:01:41



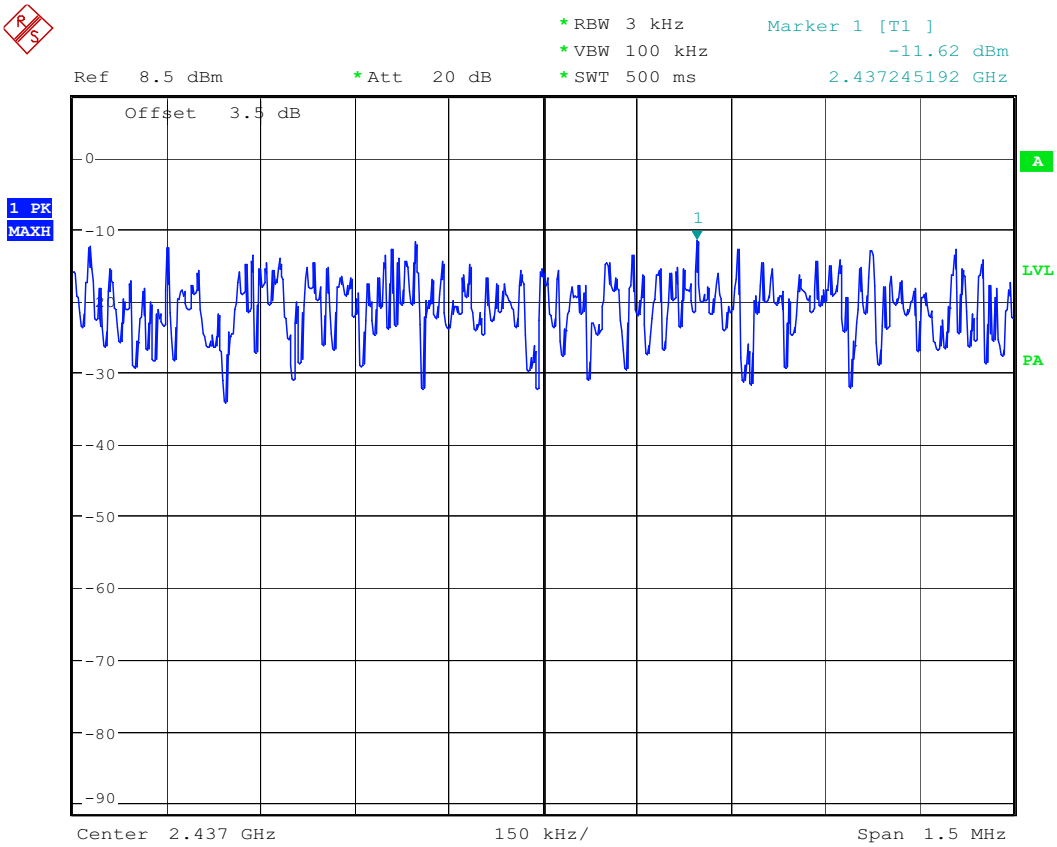
6dB BANDWIDTH 802.11b CH11

Date: 19.MAR.2007 17:00:39



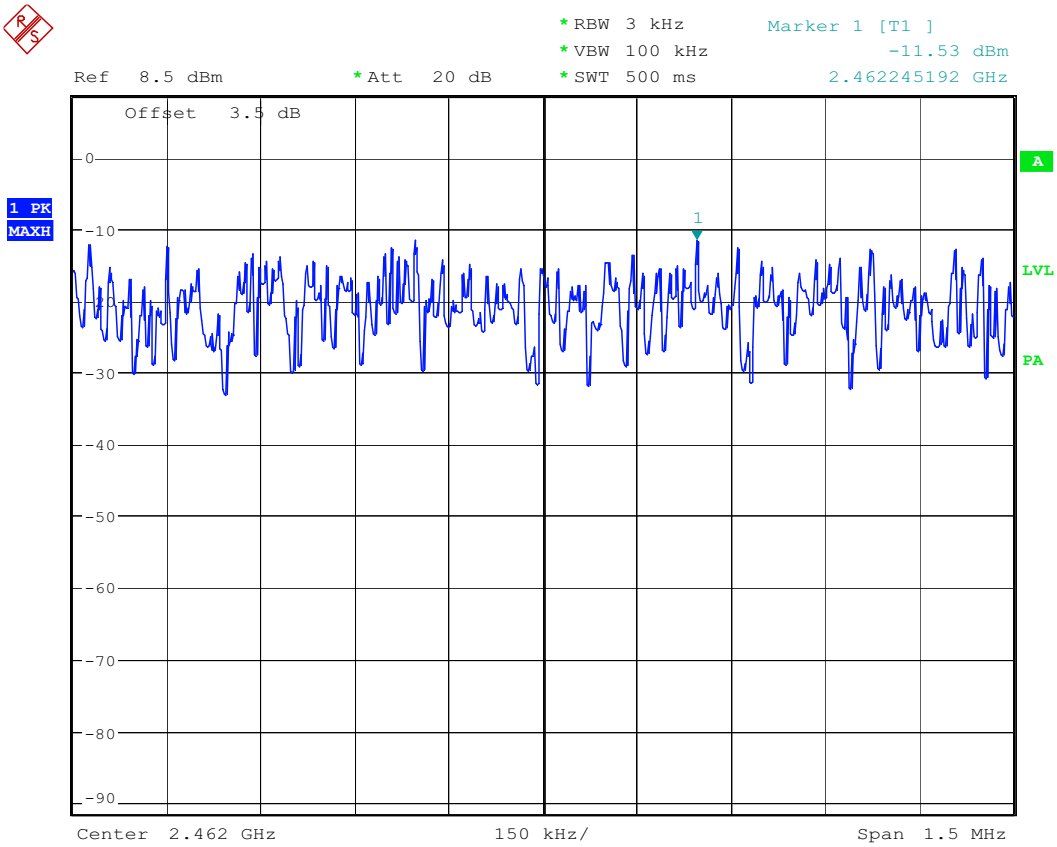
POWER DENSITY 802.11b CH1

Date: 19.MAR.2007 16:47:43



POWER DENSITY 802.11b CH6

Date: 19.MAR.2007 16:46:54



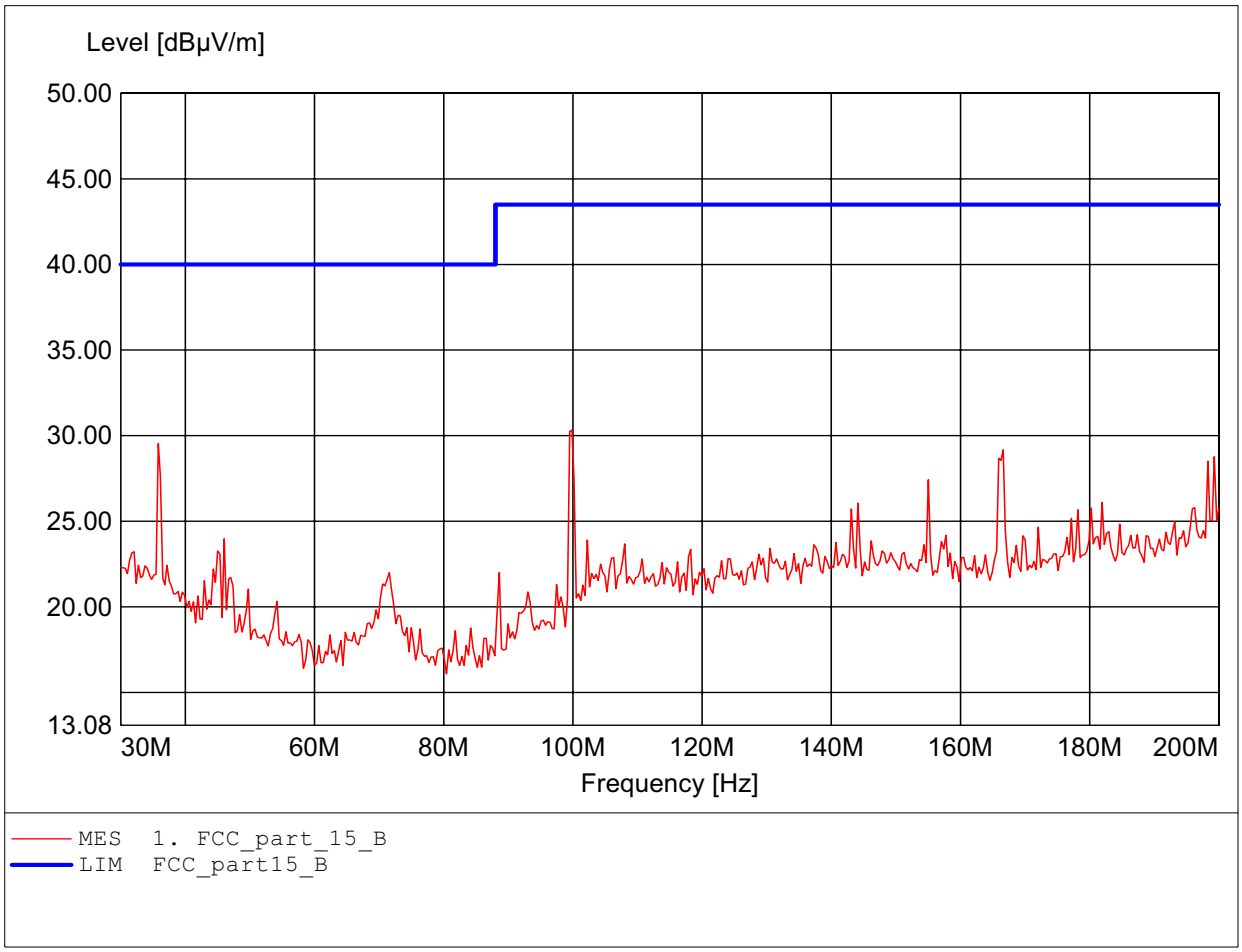
POWER DENSITY 802.11b CH11

Date: 19.MAR.2007 16:44:07

Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

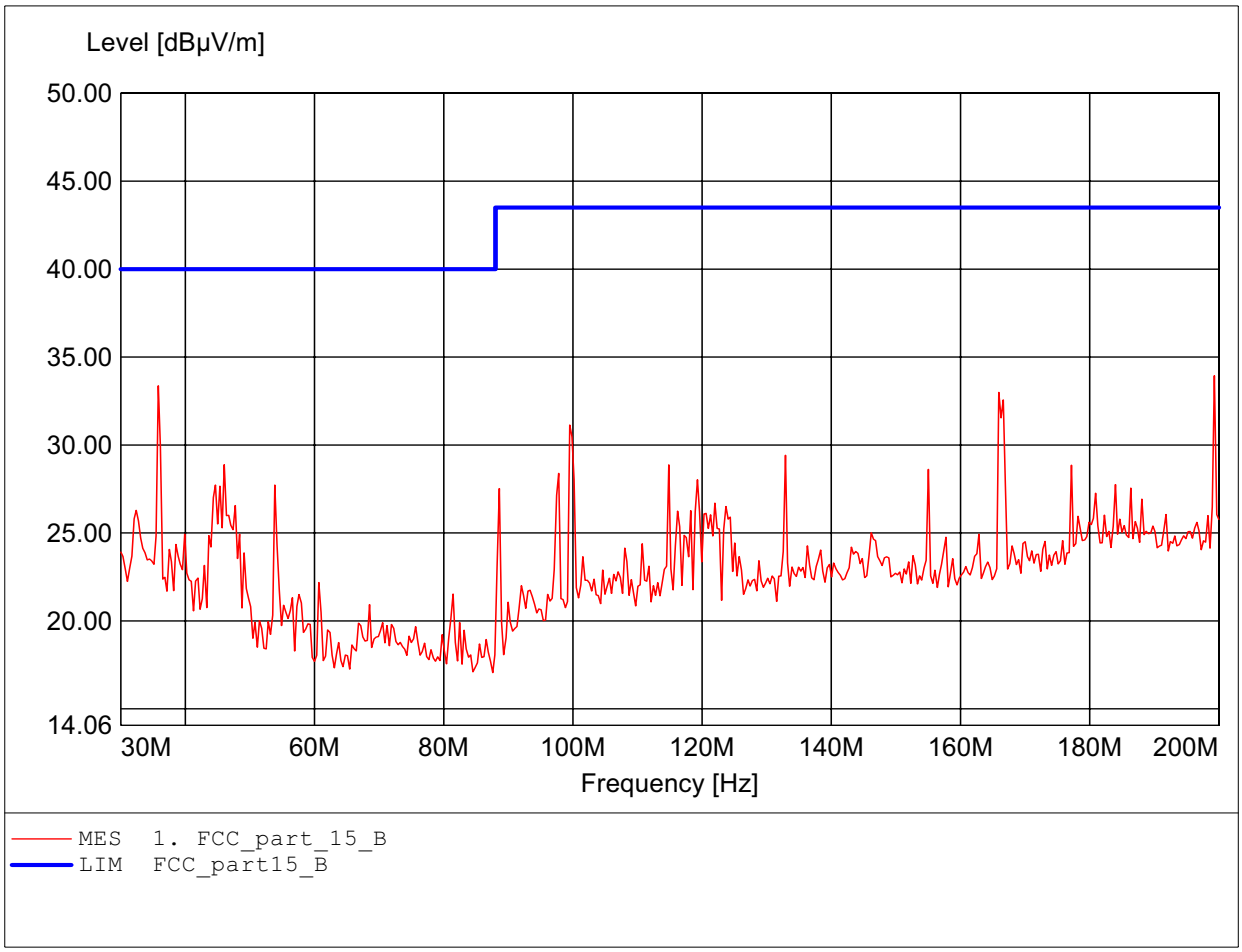
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HK 116
                       Freq:99.840MHz Emax:30.31dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

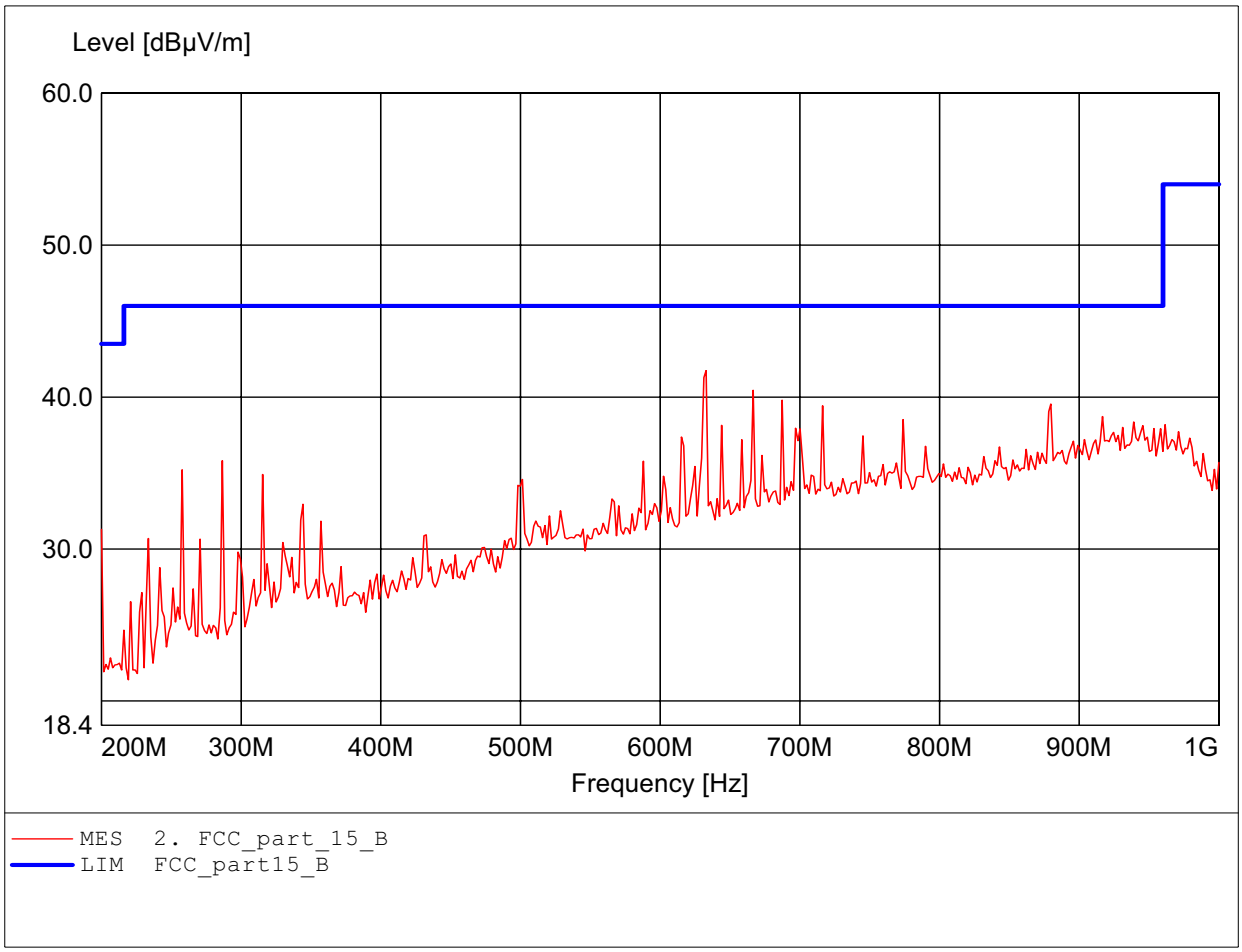
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HK 116
                       Freq:199.319MHz Emax:33.93dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

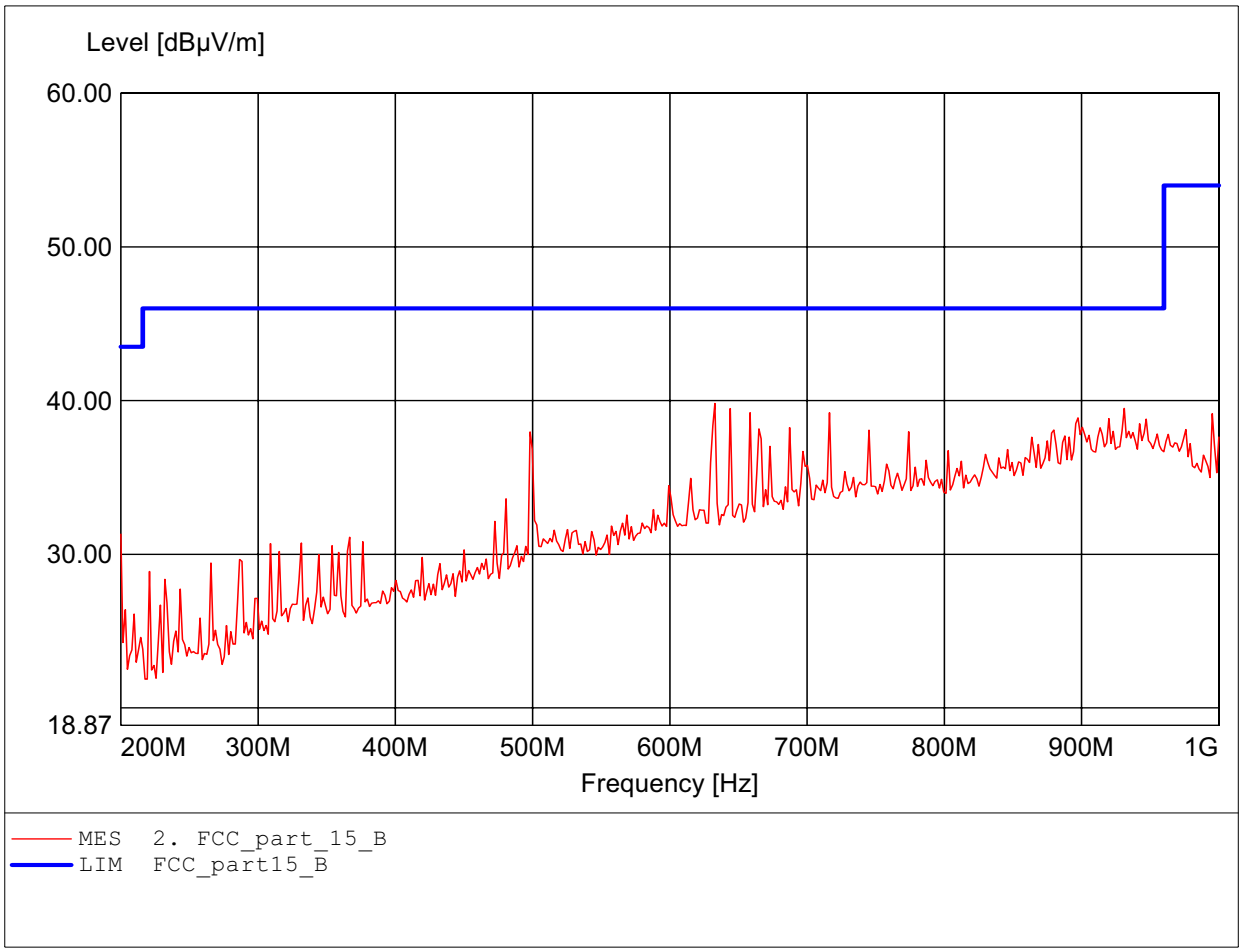
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL 223, ampl.
                       Freq:632.866MHz Emax:41.75dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

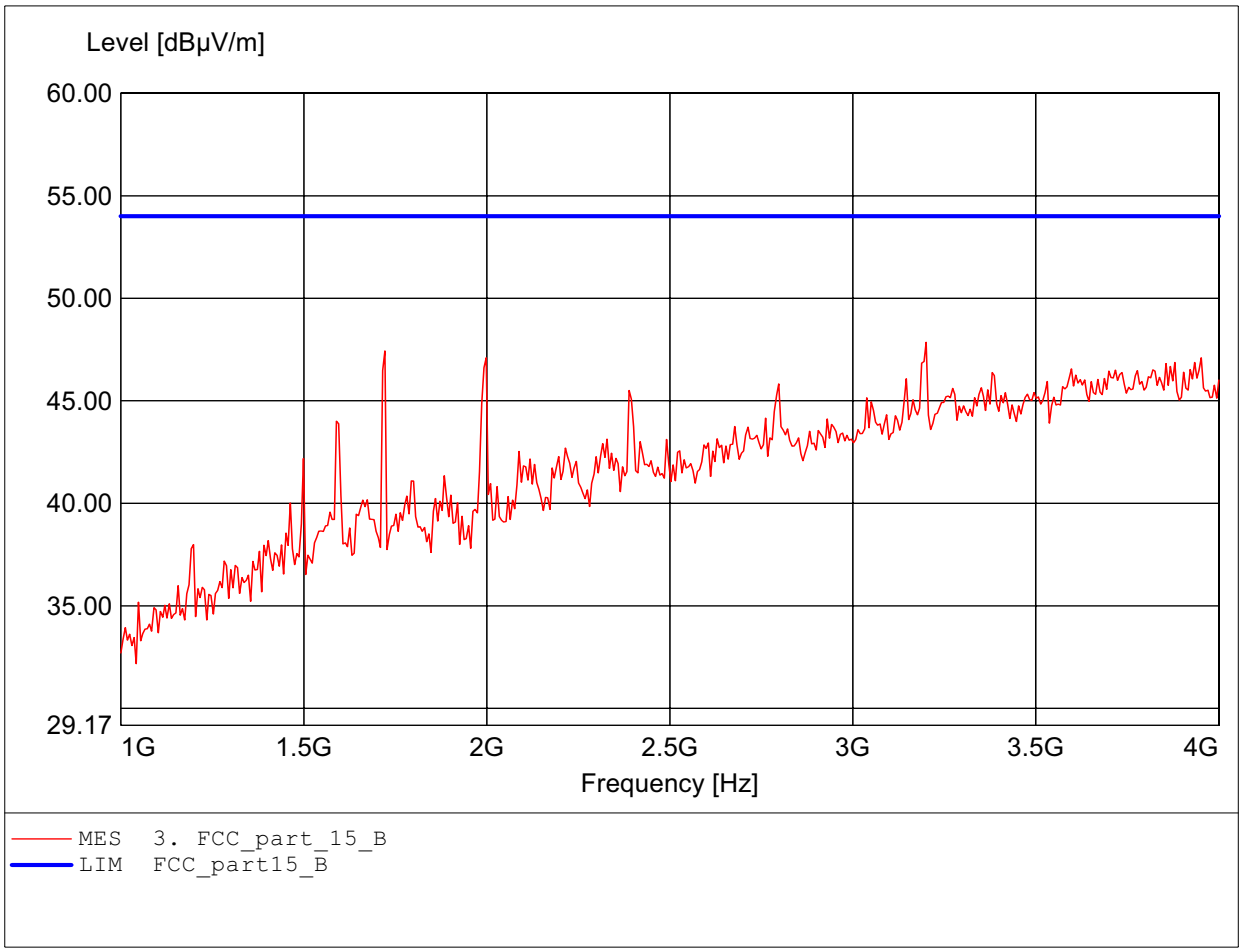
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL 223, ampl.
                       Freq:632.866MHz Emax:39.81dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

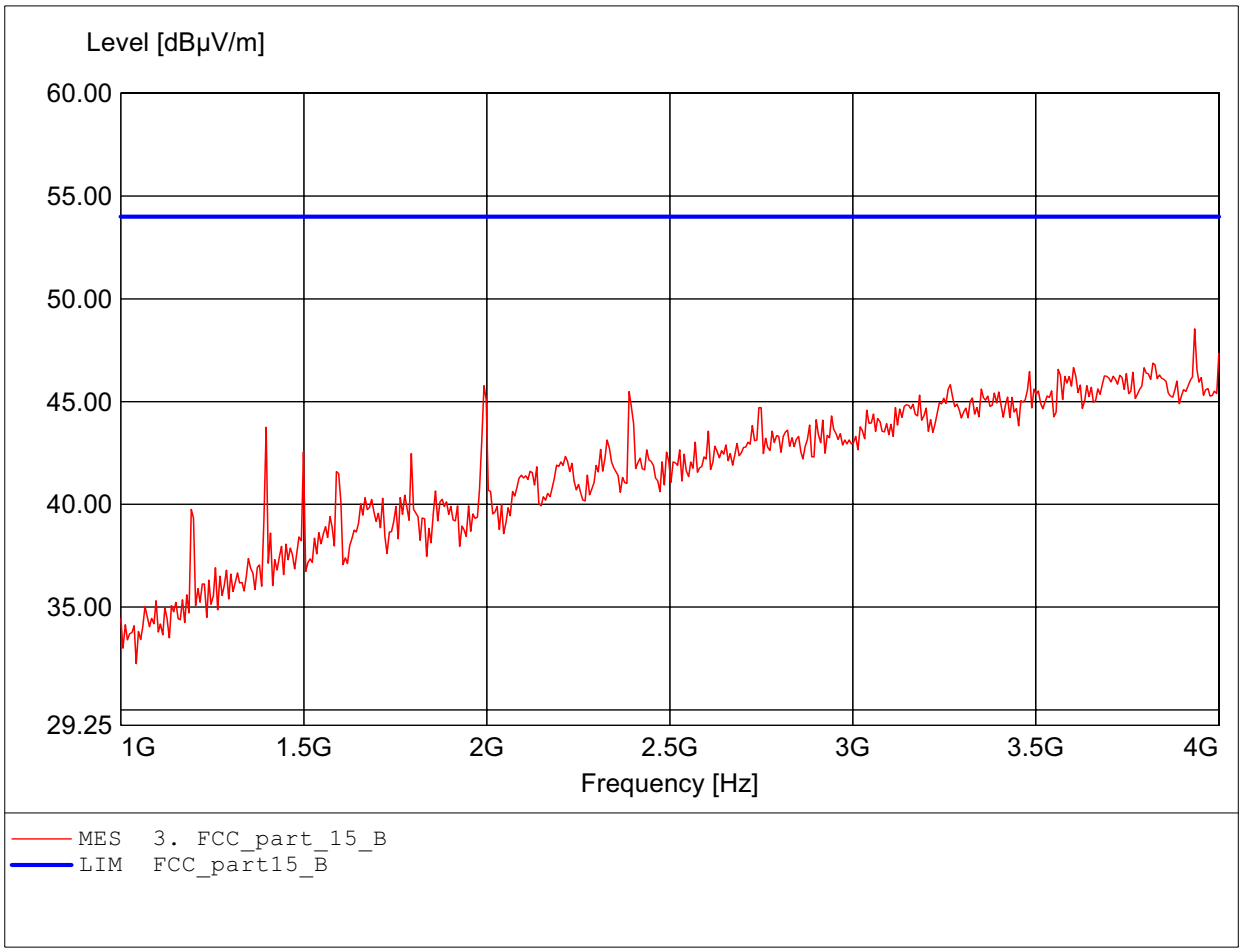
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:3.200GHz Emax:47.85dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

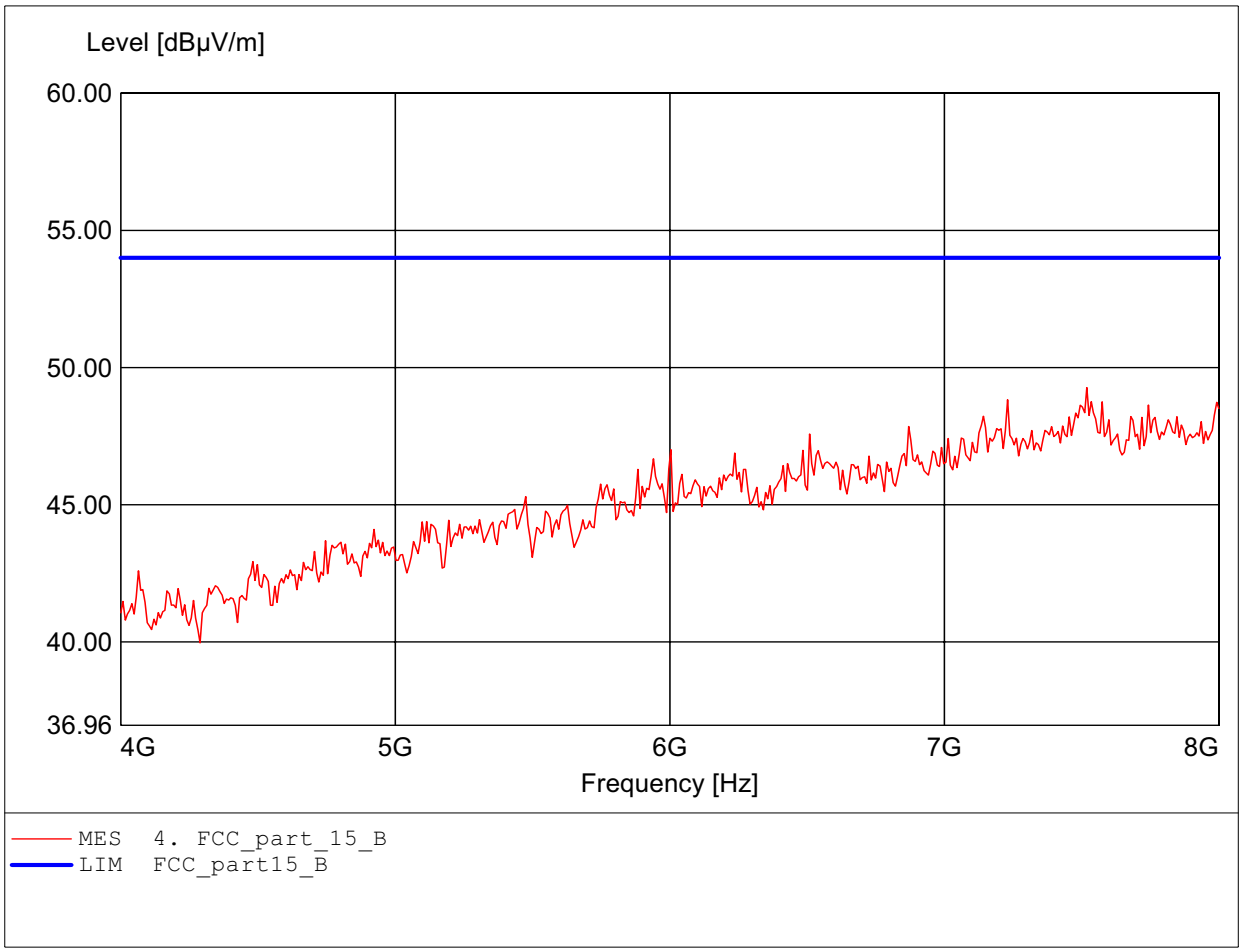
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:3.934GHz Emax:48.54dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

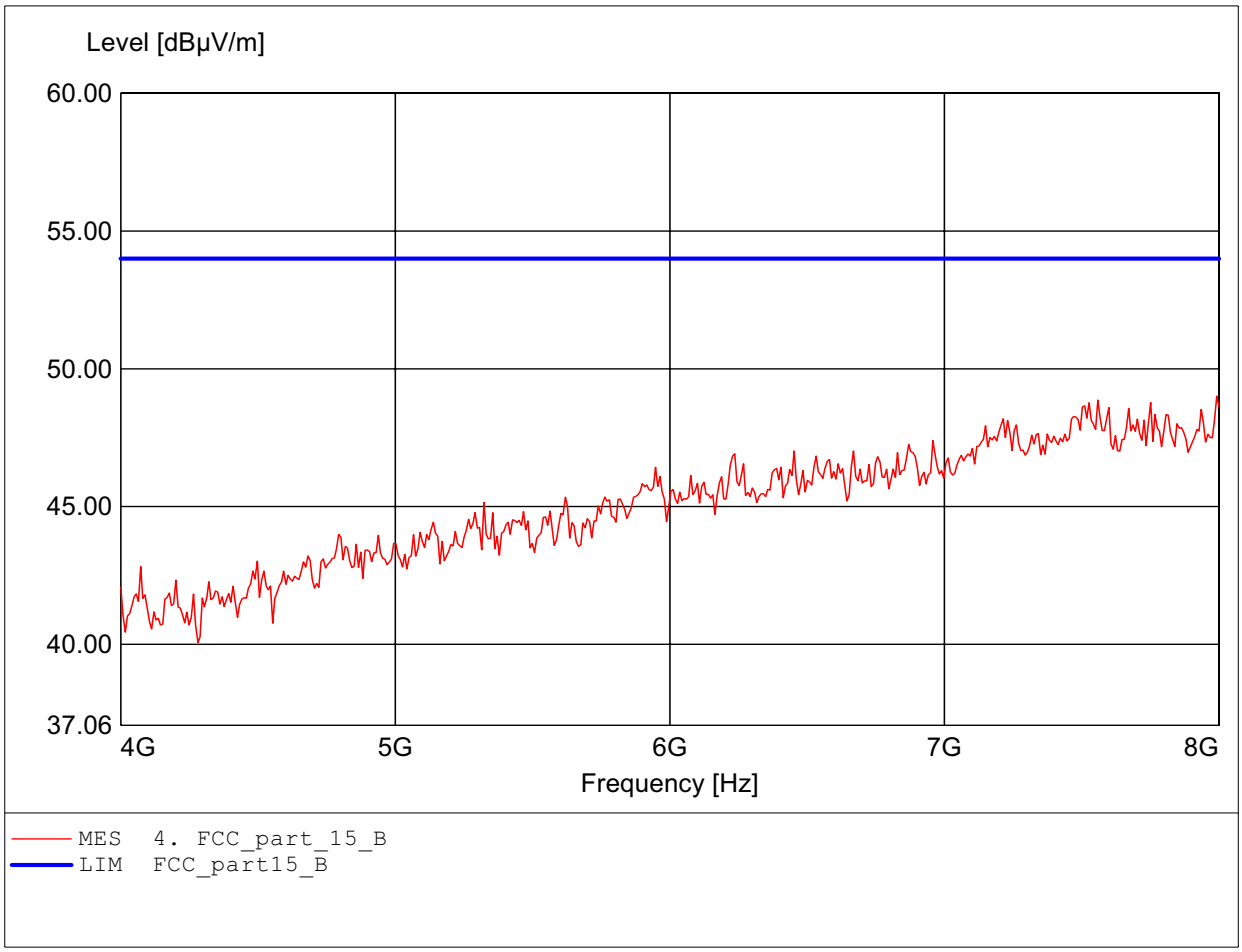
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:7.519GHz Emax:49.27dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

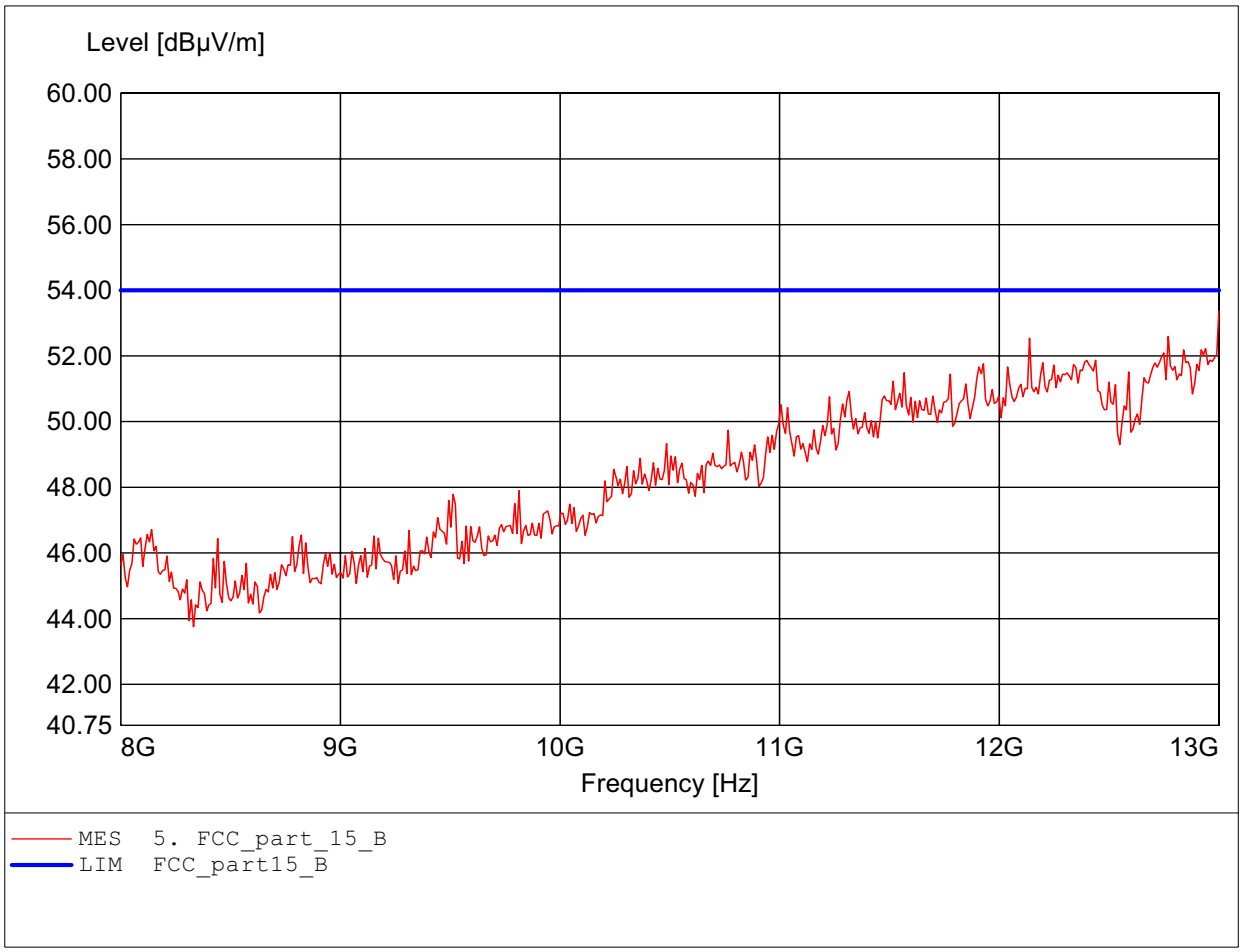
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:7.992GHz Emax:49.01dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

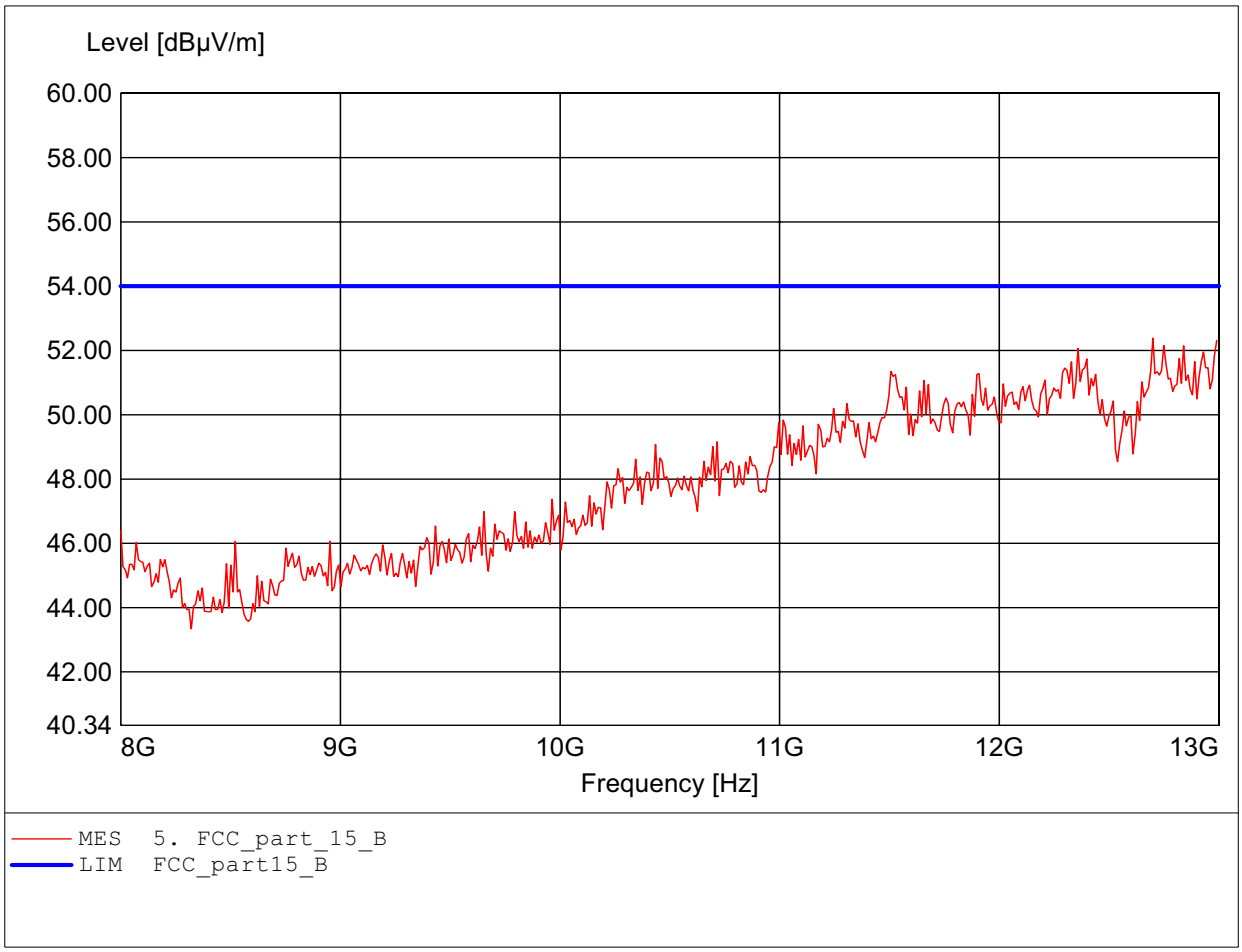
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:13.000GHz Emax:53.36dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

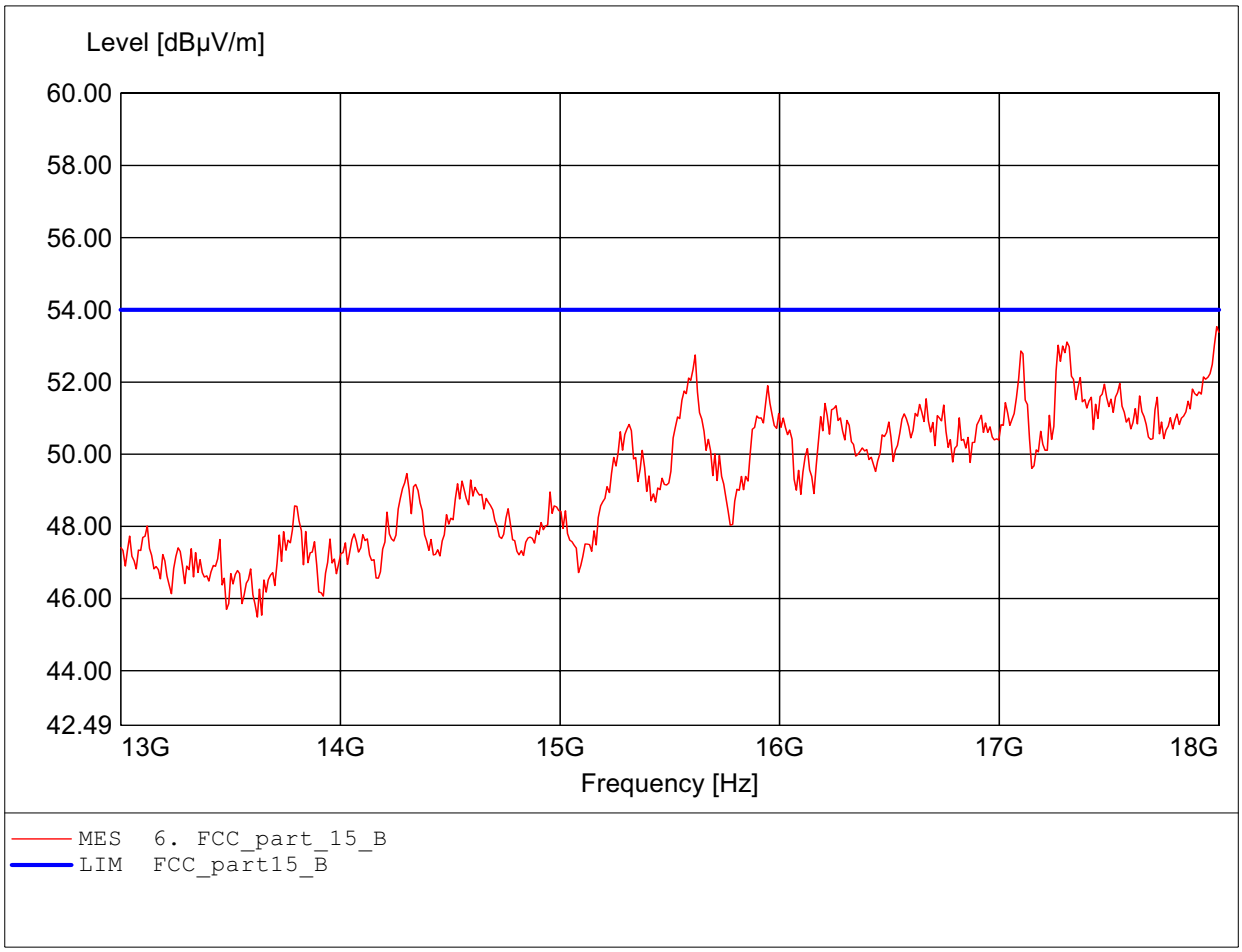
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:12.699GHz Emax:52.38dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

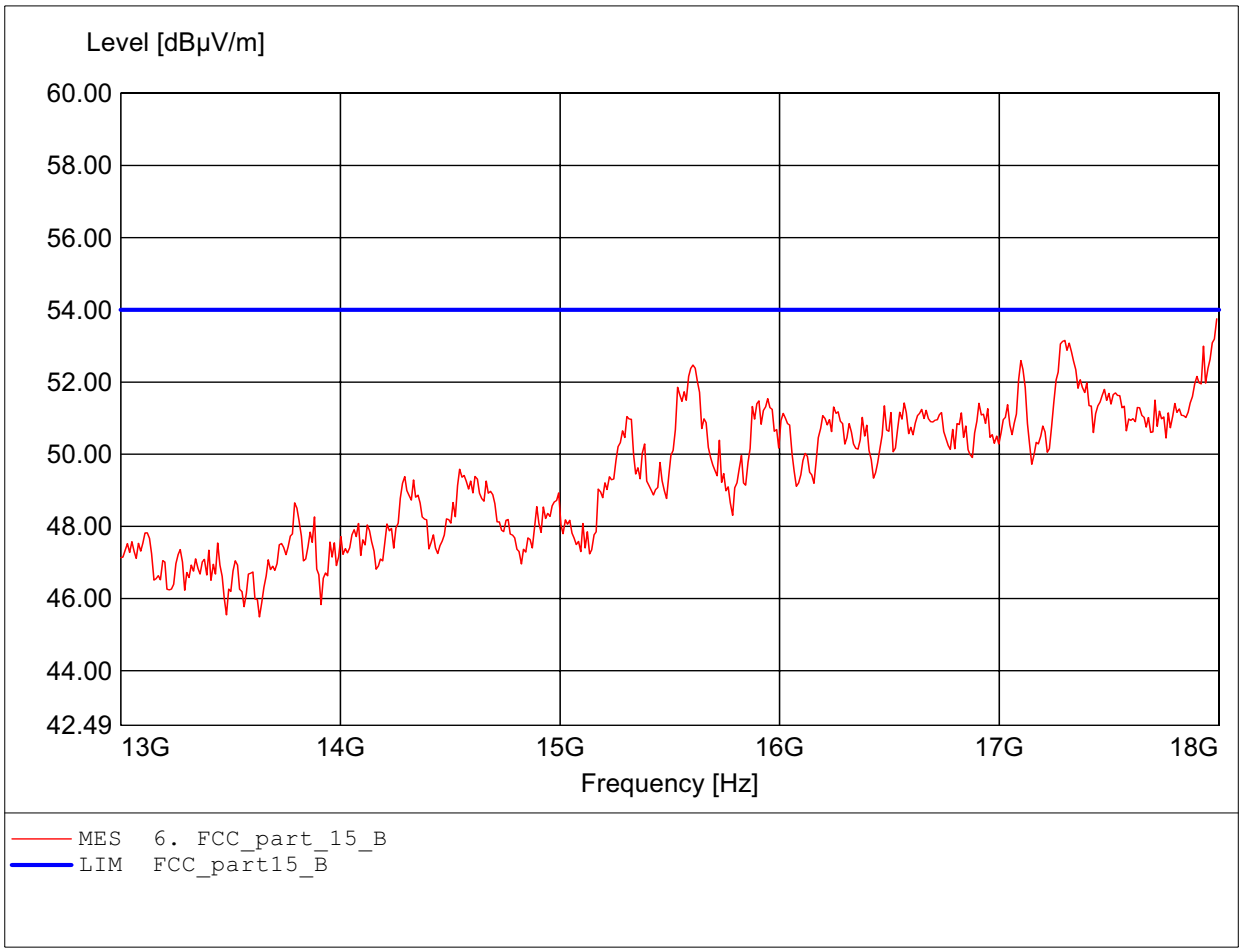
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:17.990GHz Emax:53.53dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

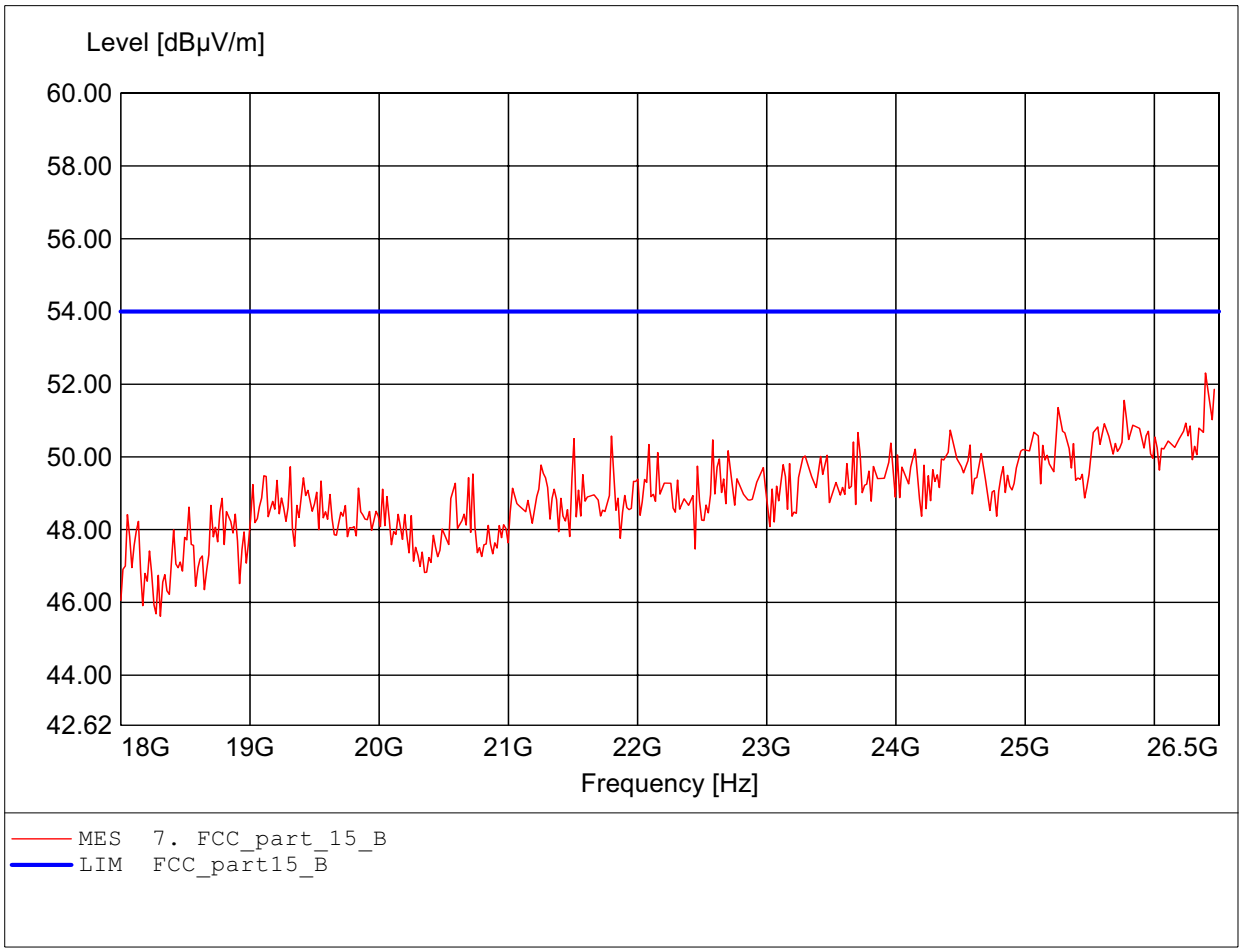
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:17.990GHz Emax:53.75dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

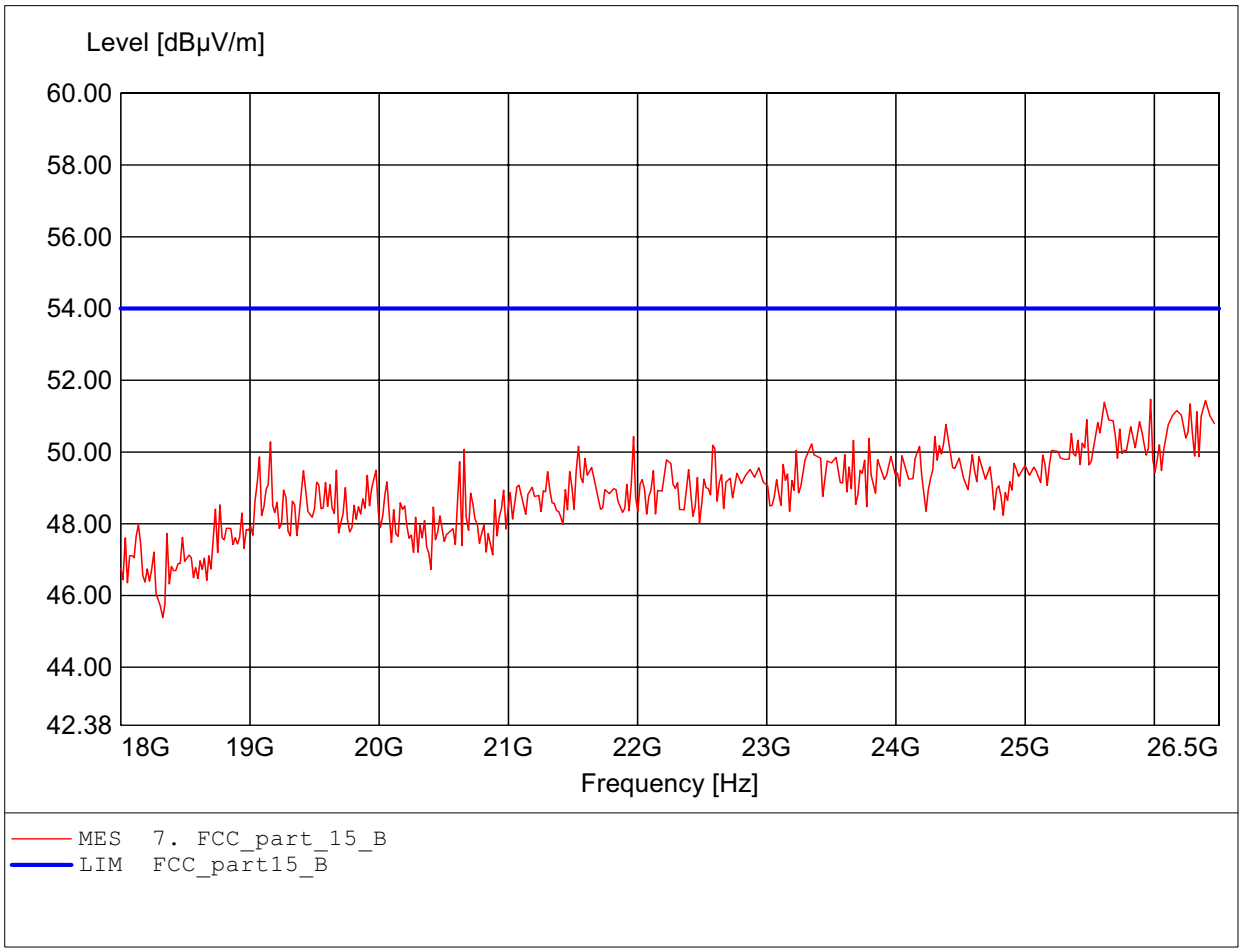
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B / LP 0002
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.
                       Freq:26.398GHz Emax:52.31dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

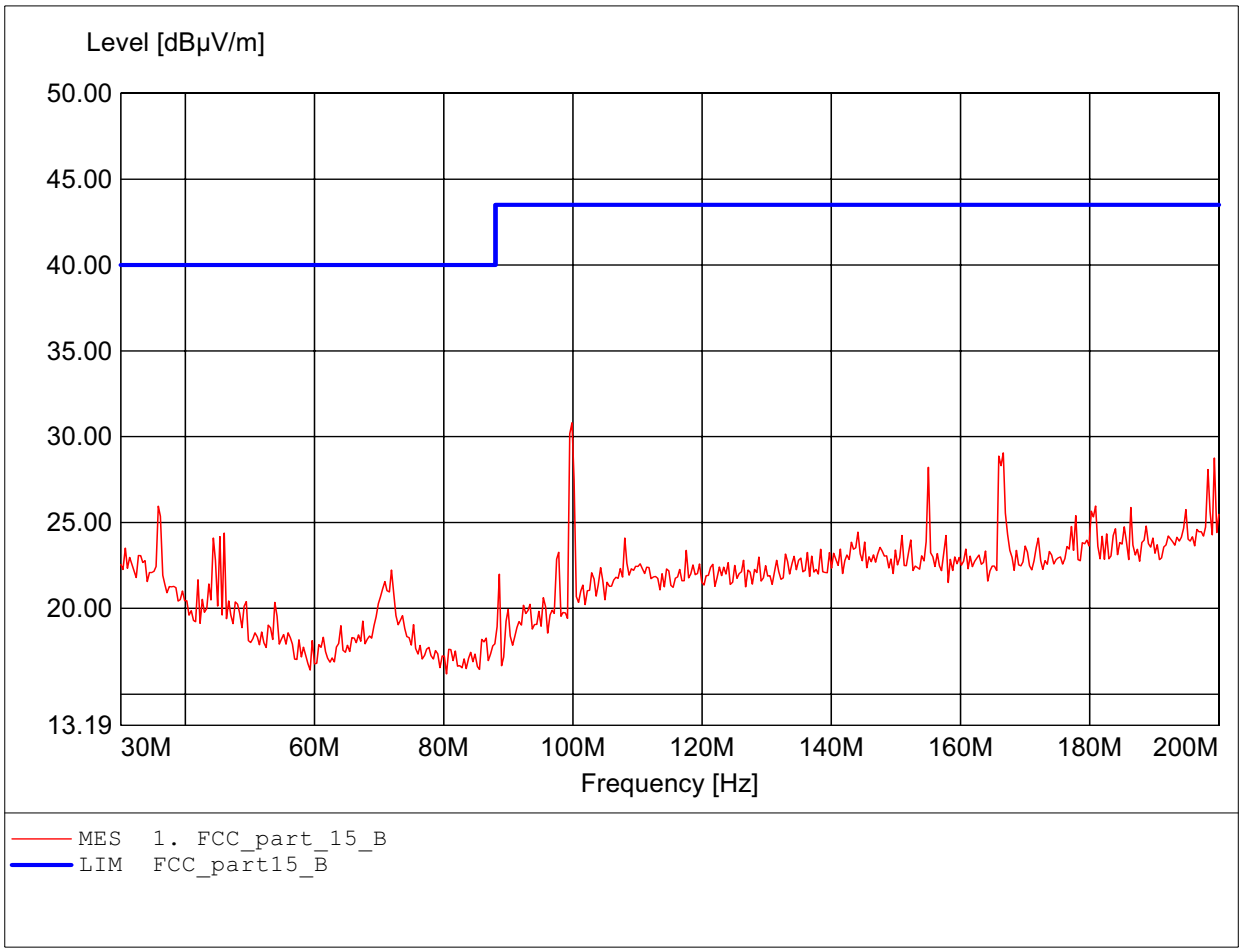
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B / LP 0002
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.
                       Freq:25.972GHz Emax:51.47dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

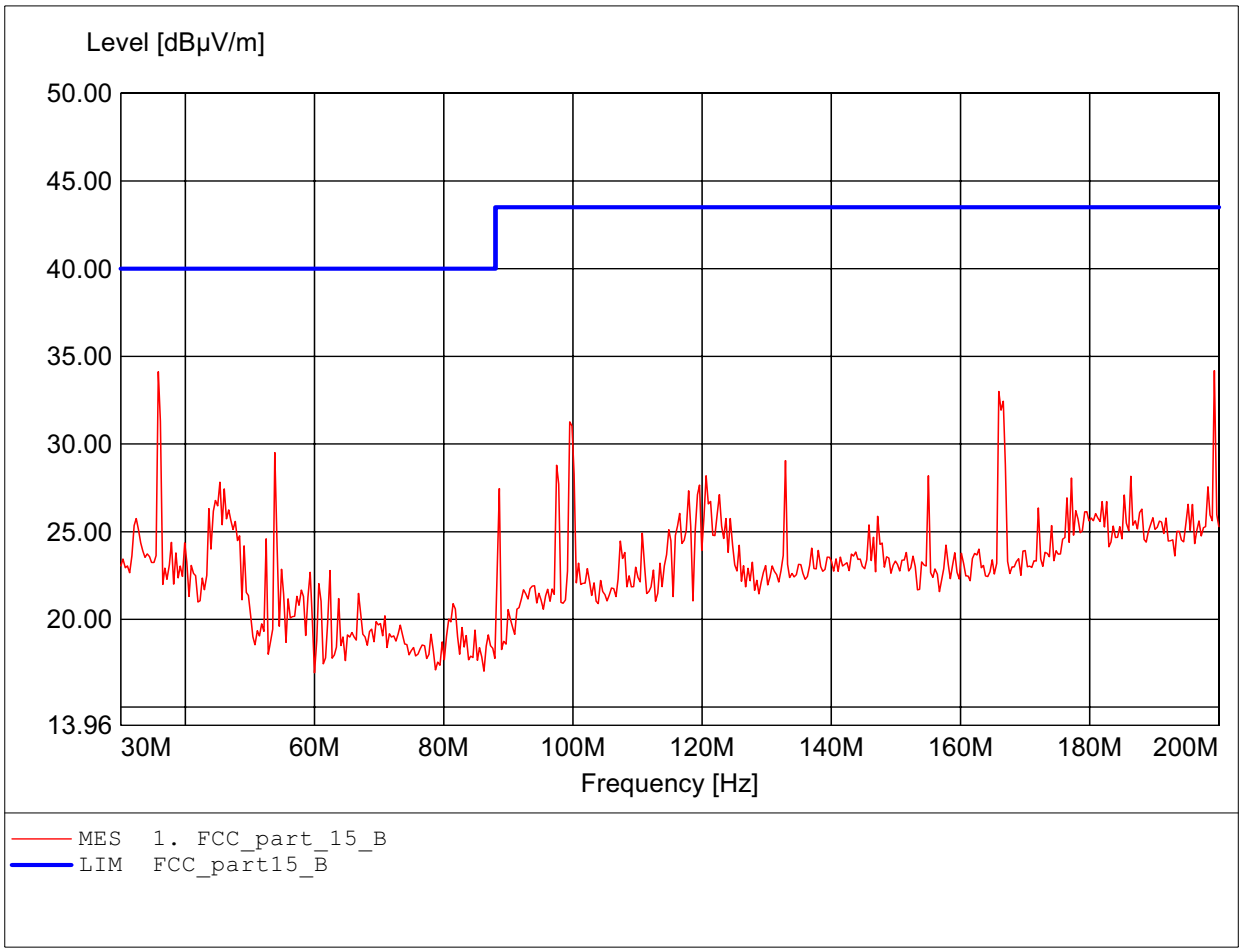
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HK 116
                       Freq:99.840MHz Emax:30.81dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

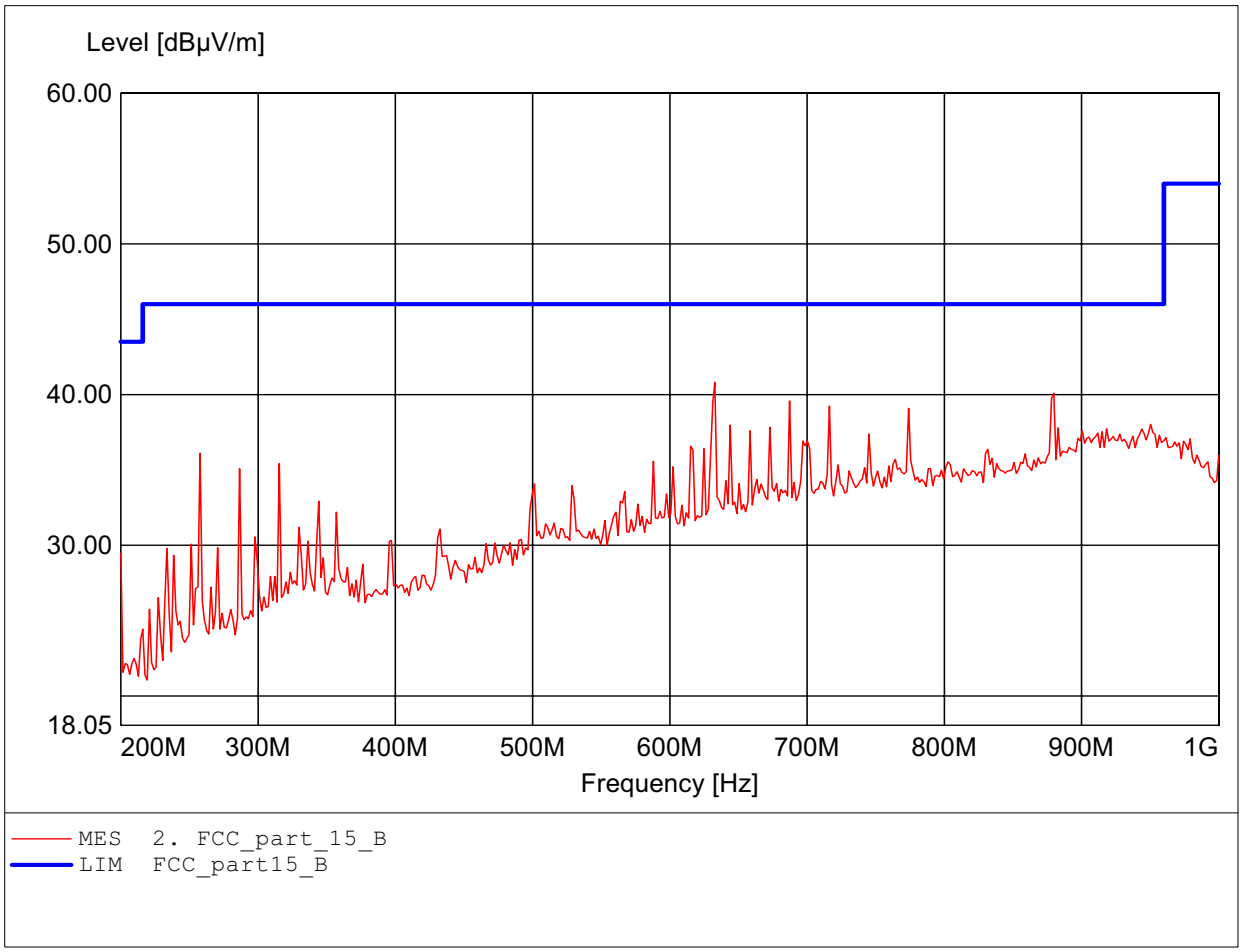
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HK 116
                       Freq:199.319MHz Emax:34.19dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

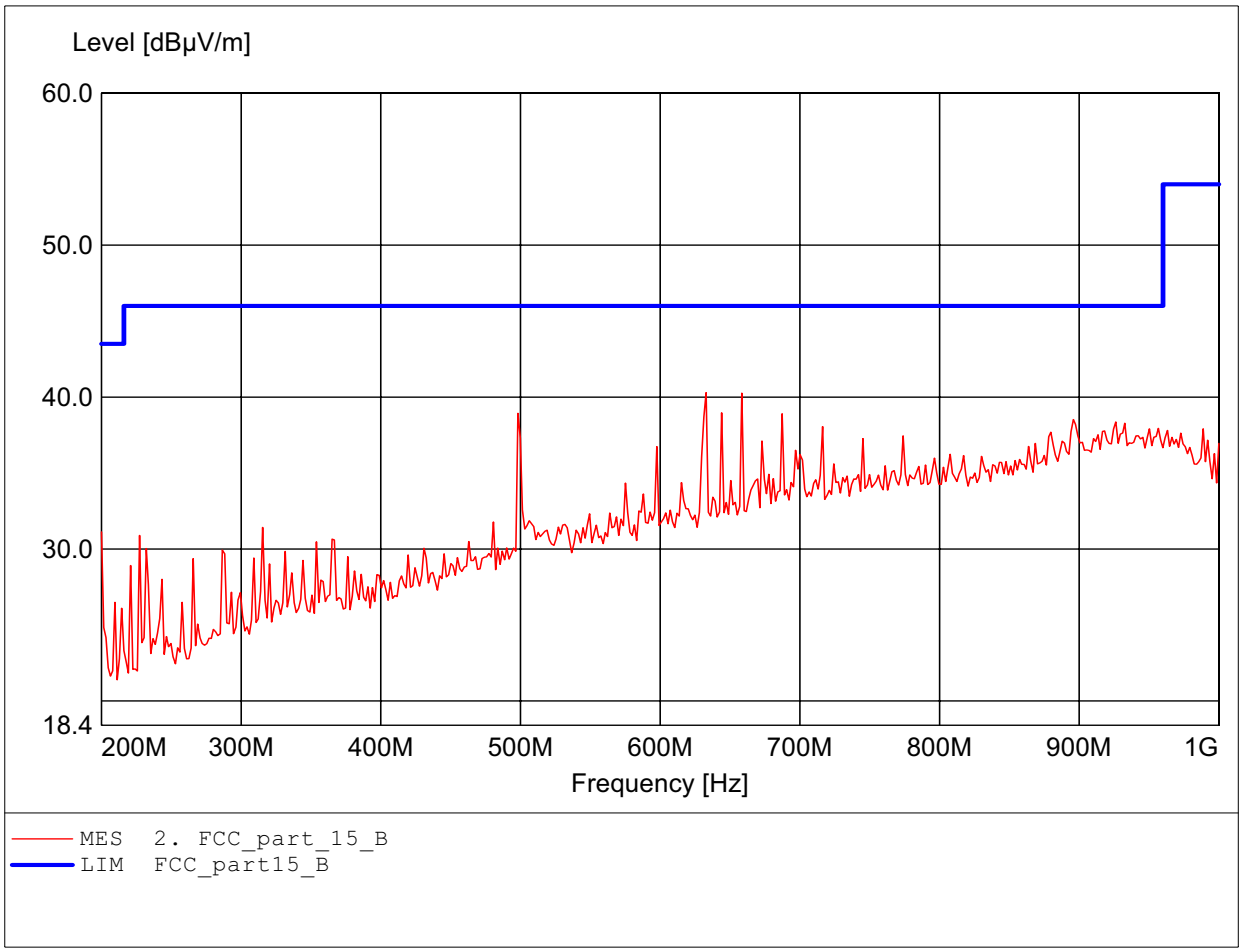
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL 223, ampl.
                       Freq:632.866MHz Emax:40.80dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

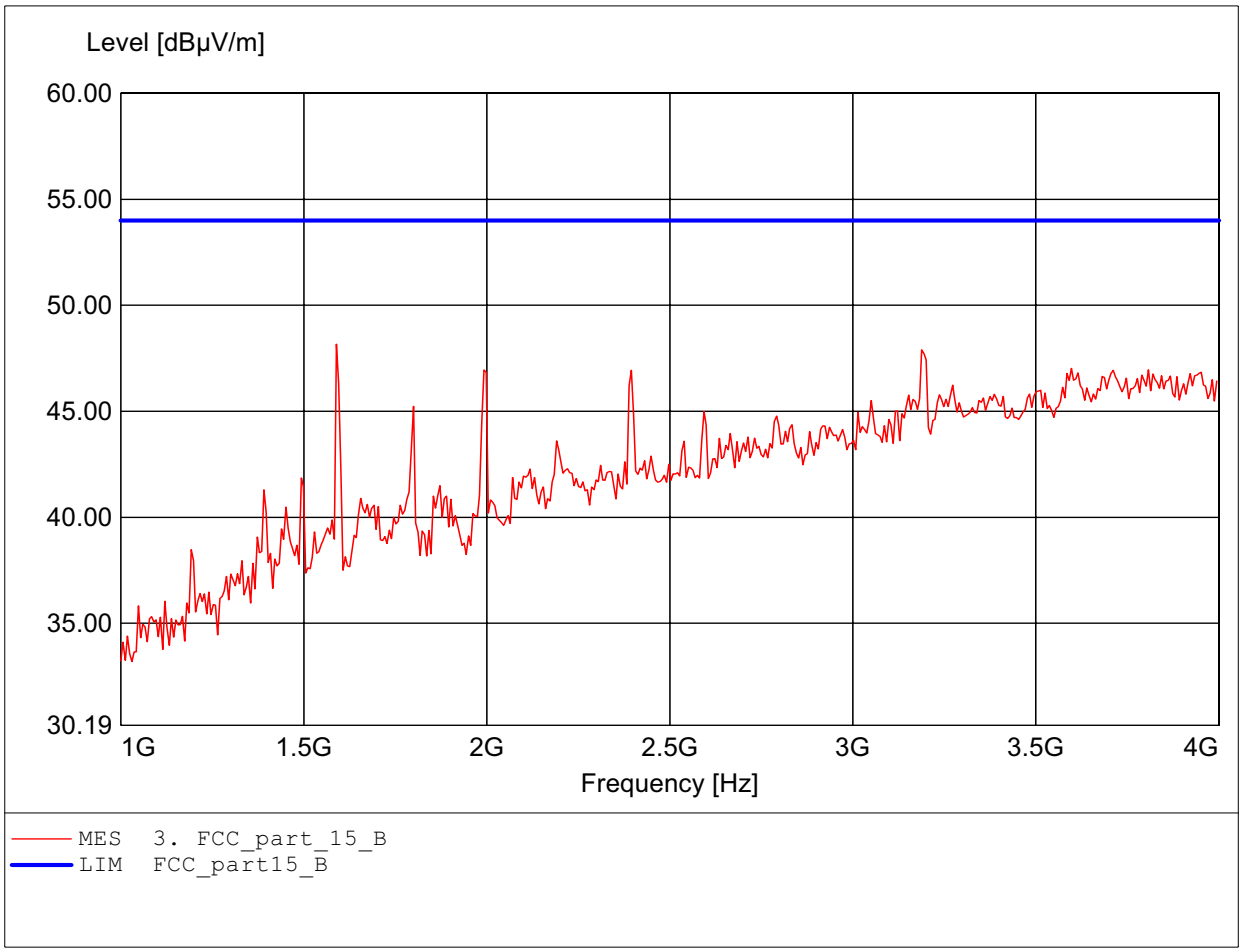
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL 223, ampl.
                       Freq:632.866MHz Emax:40.29dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

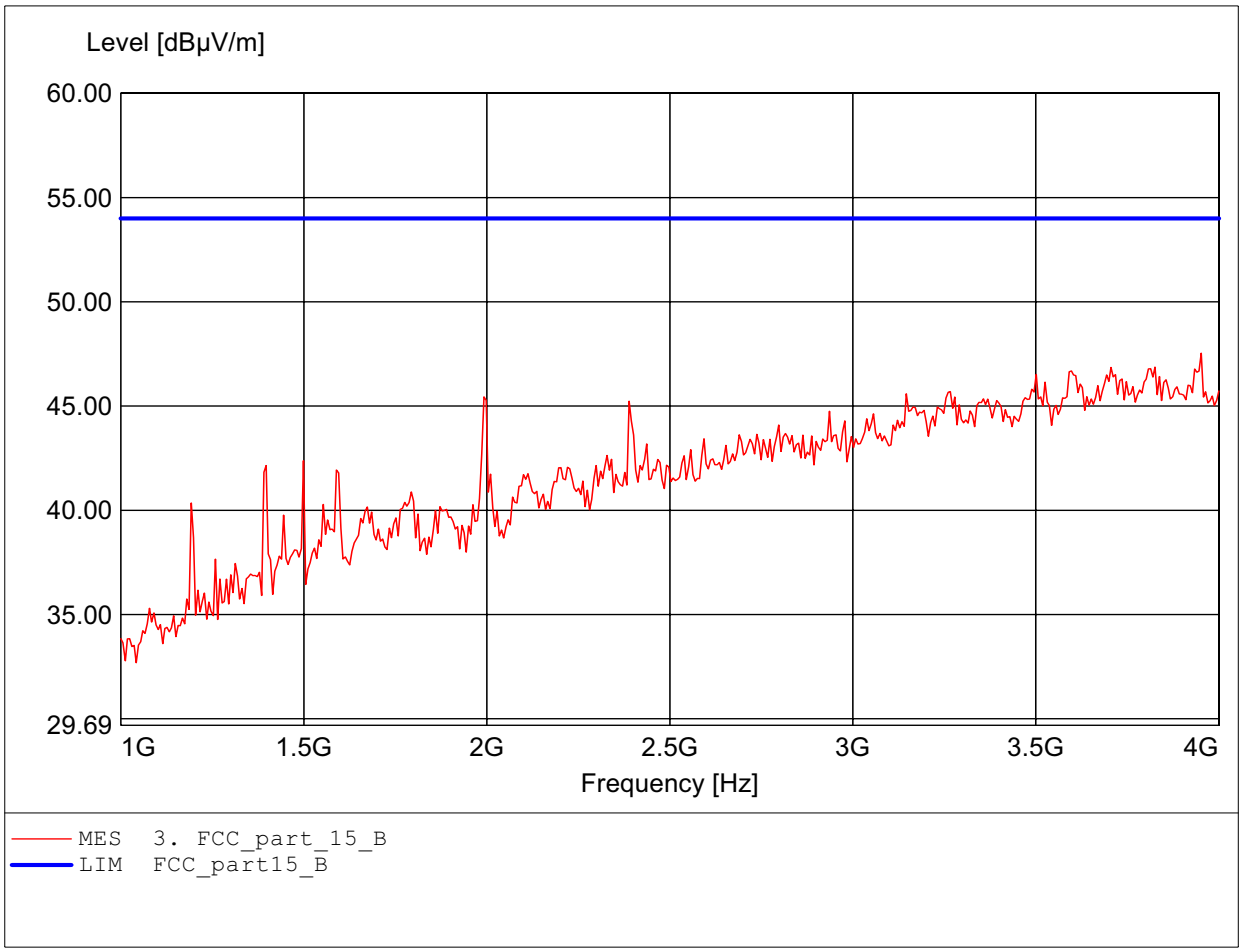
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:1.589GHz Emax:48.16dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

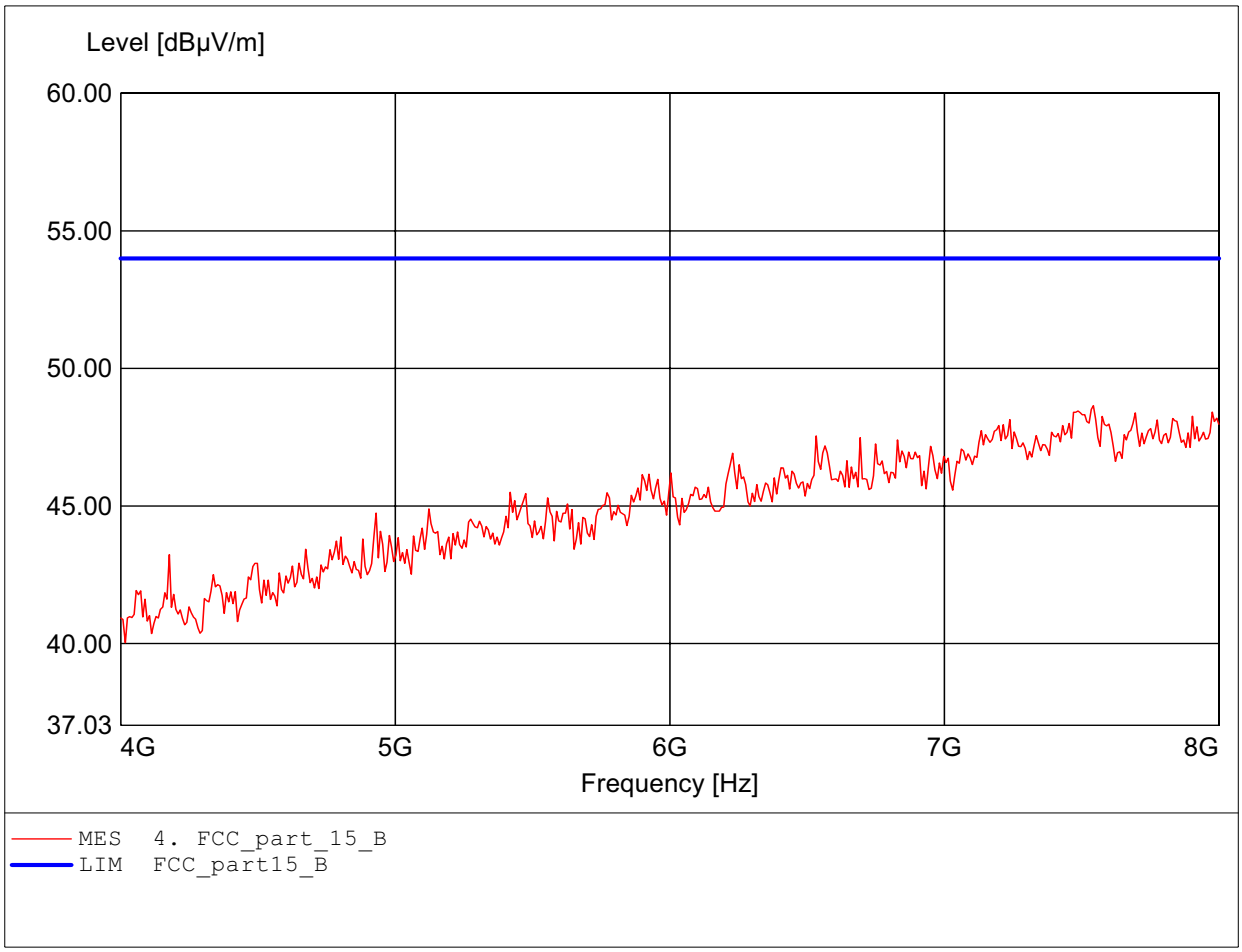
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:3.952GHz Emax:47.53dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

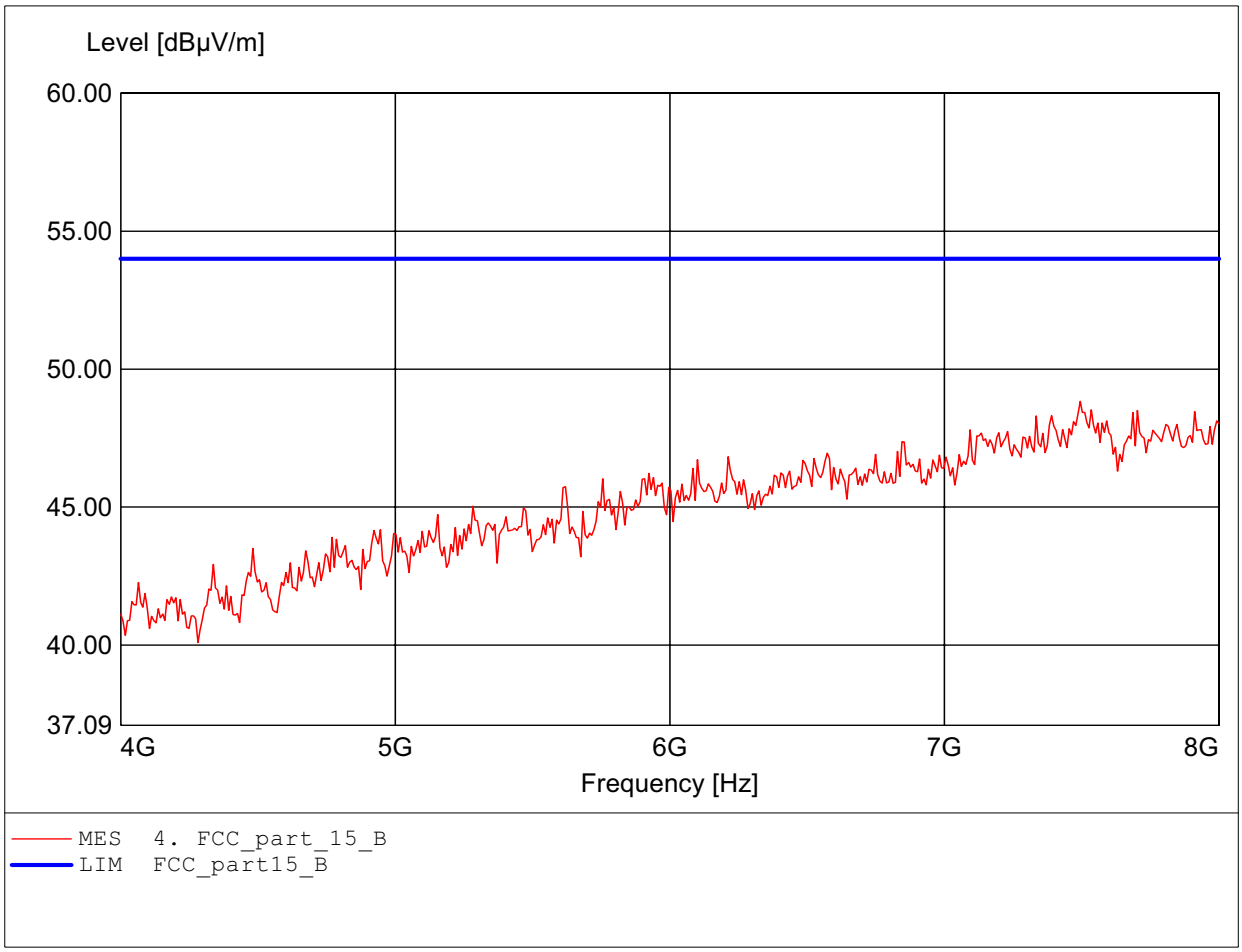
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:7.543GHz Emax:48.65dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

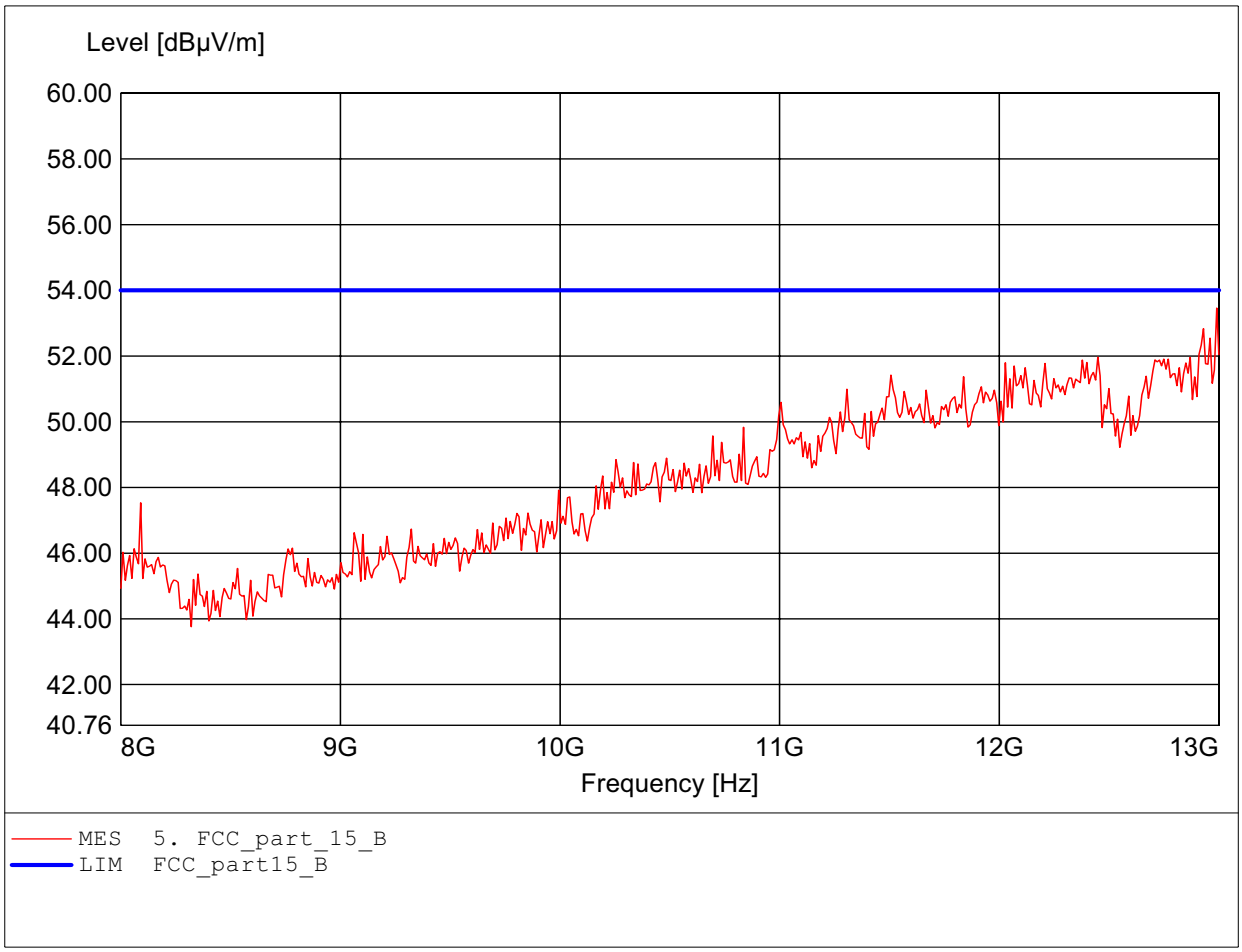
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:7.495GHz Emax:48.83dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

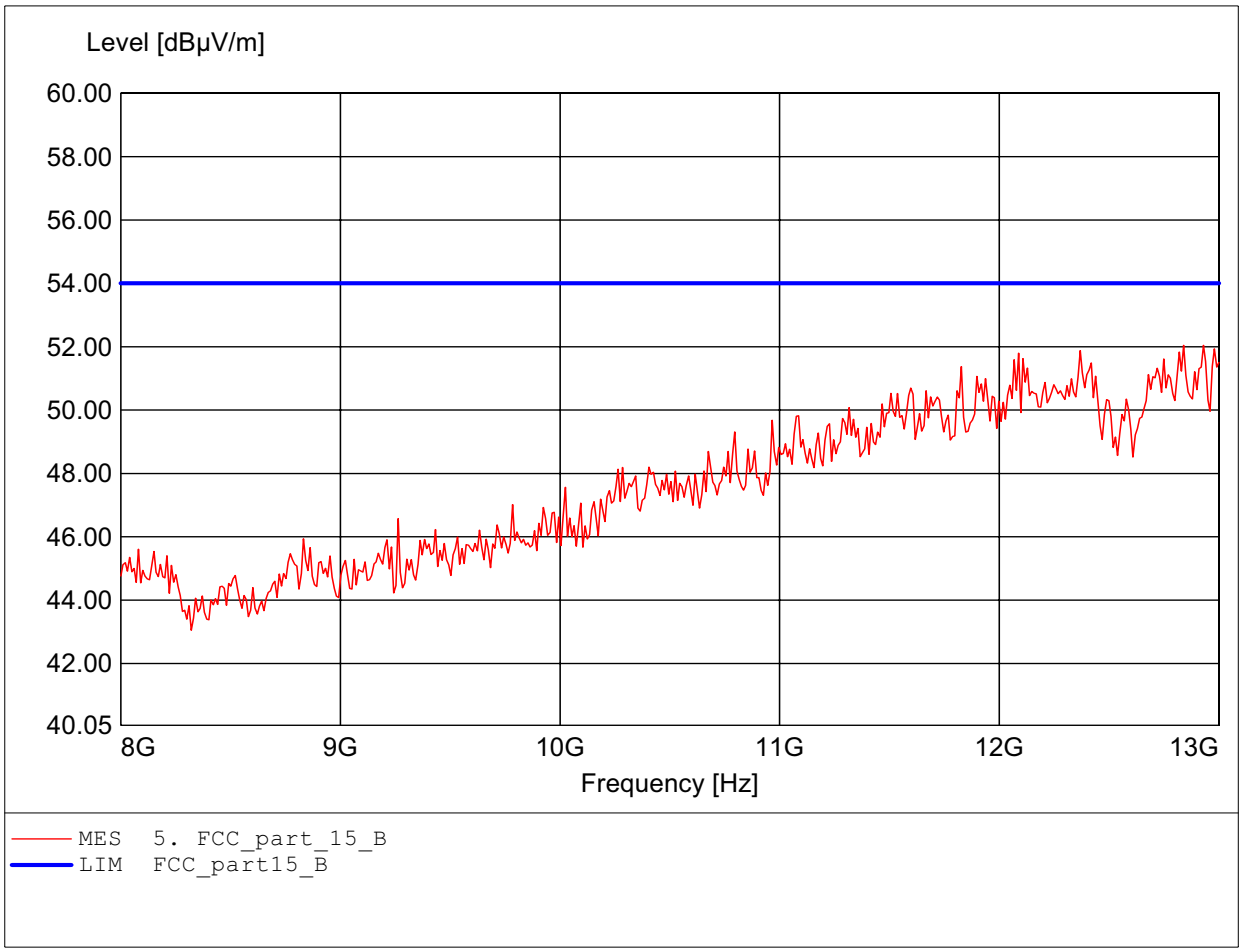
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:12.990GHz Emax:53.46dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

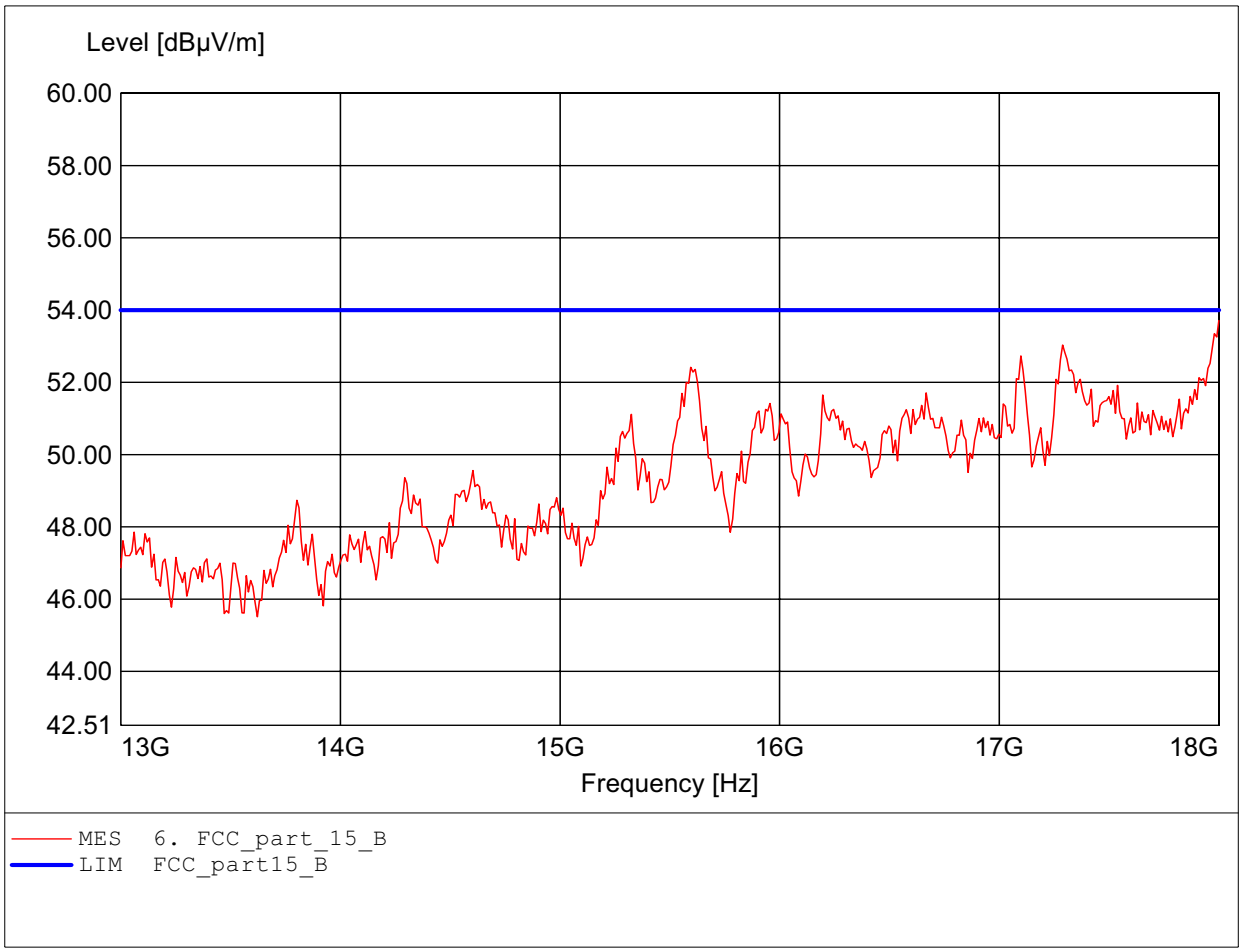
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:12.840GHz Emax:52.04dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

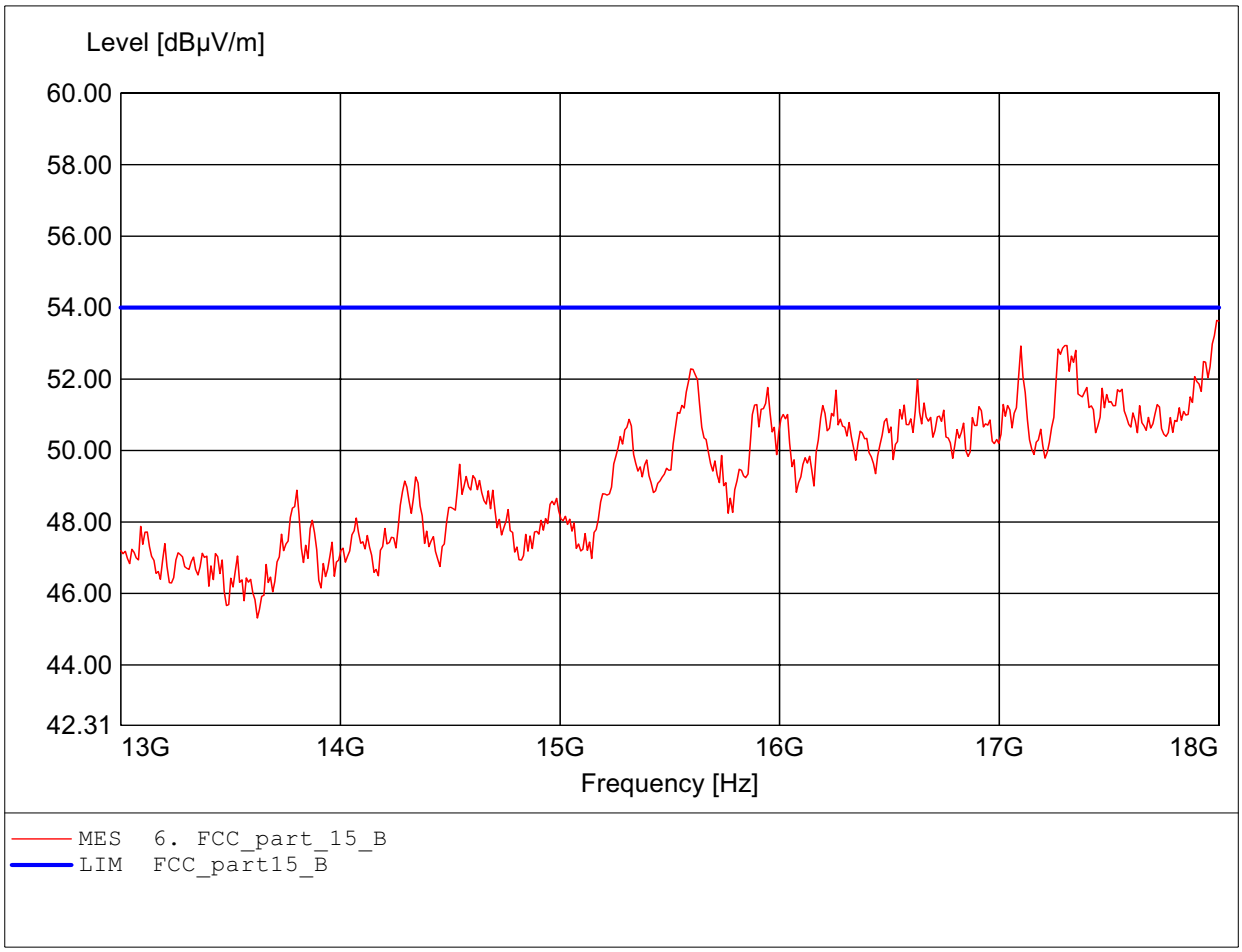
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:18.000GHz Emax:53.71dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

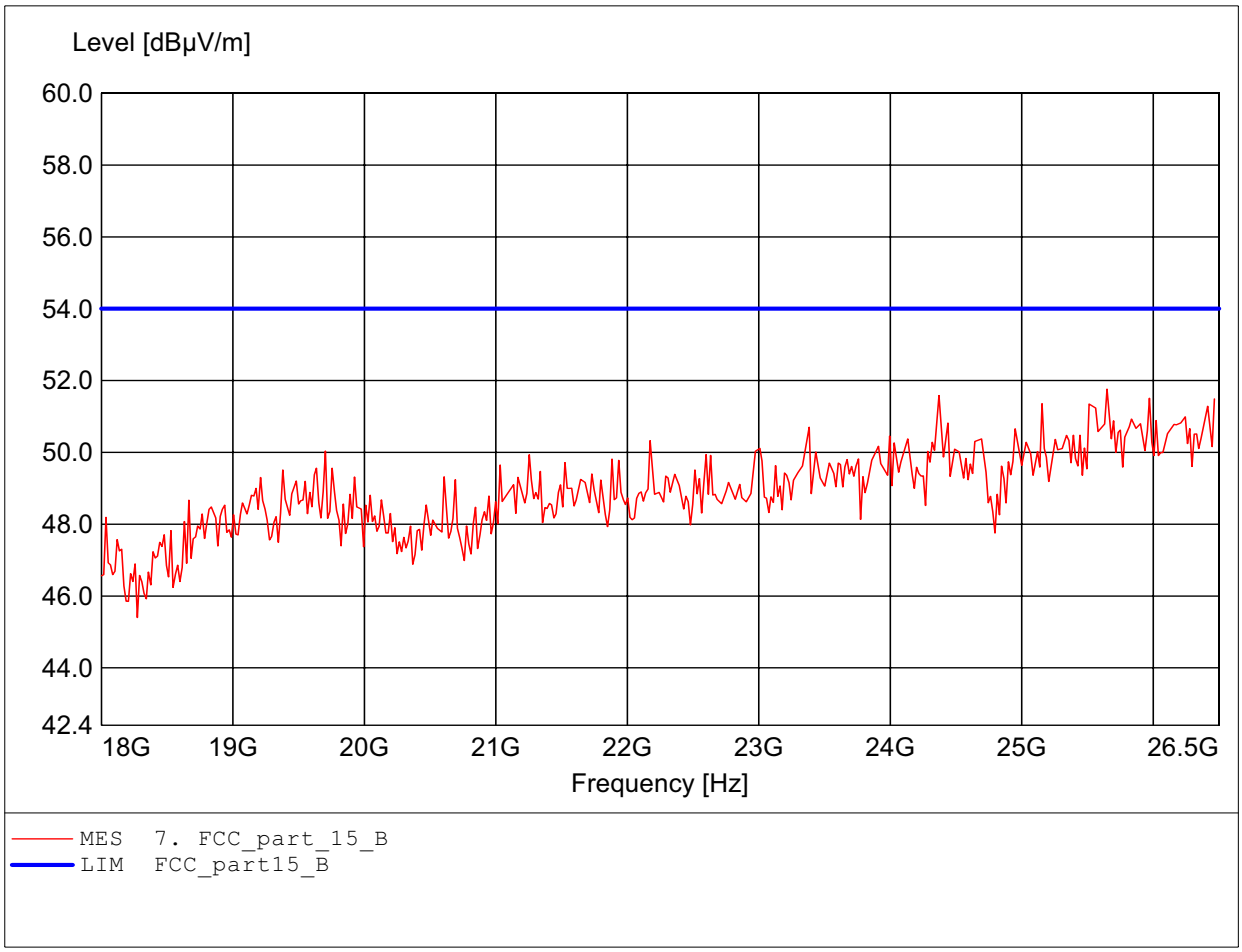
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:17.990GHz Emax:53.64dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

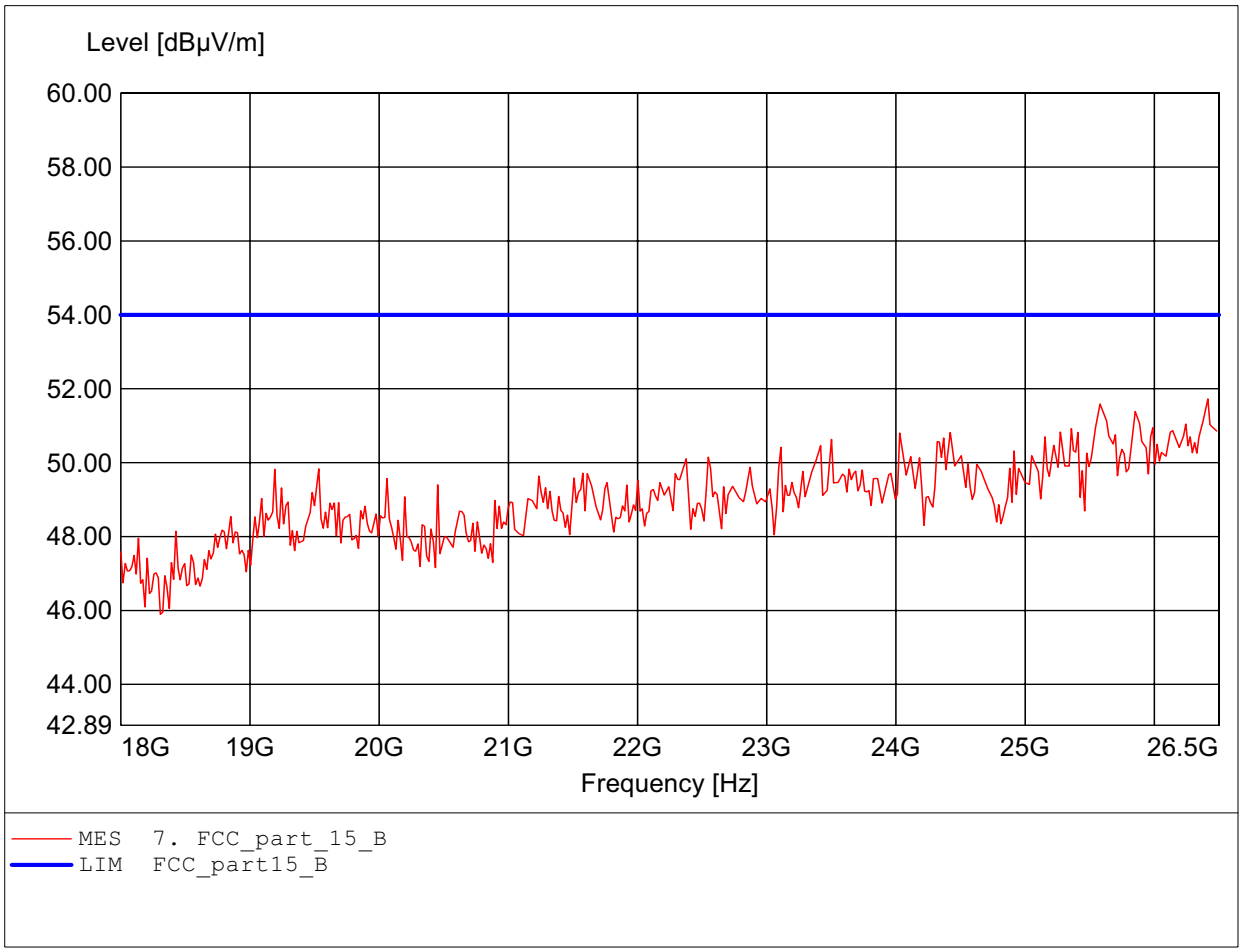
Order Number:	W6M20703-7881 802.11b CH 6
Test Site / Operator:	ETS / Derek
Temperature:	Temp.: 23.9°C
Test Specification:	according to subpart B / LP 0002
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.
	Freq:25.648GHz Emax:51.76dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

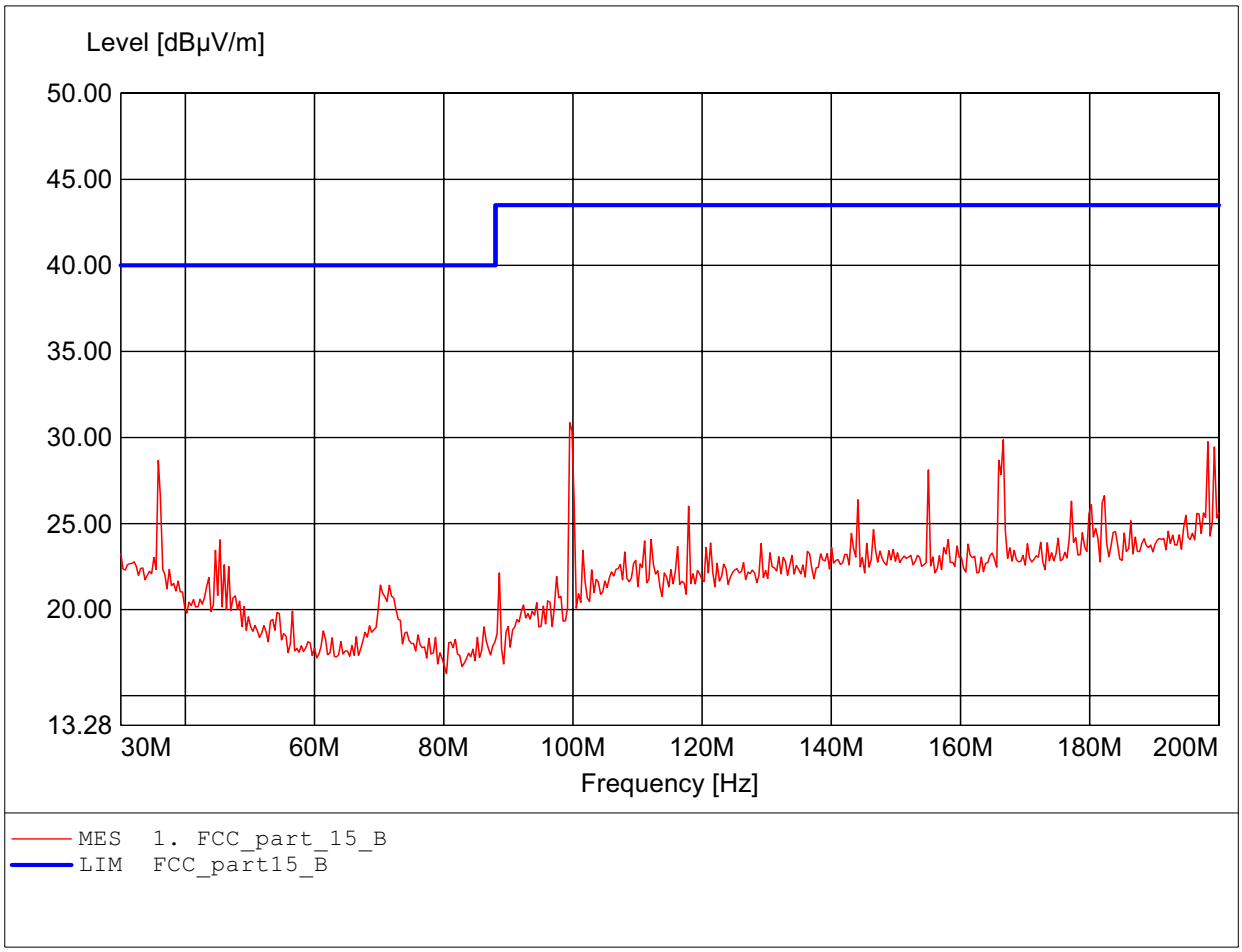
```
Order Number:          W6M20703-7881   802.11b   CH 6
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B / LP 0002
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.
                       Freq:26.415GHz Emax:51.72dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

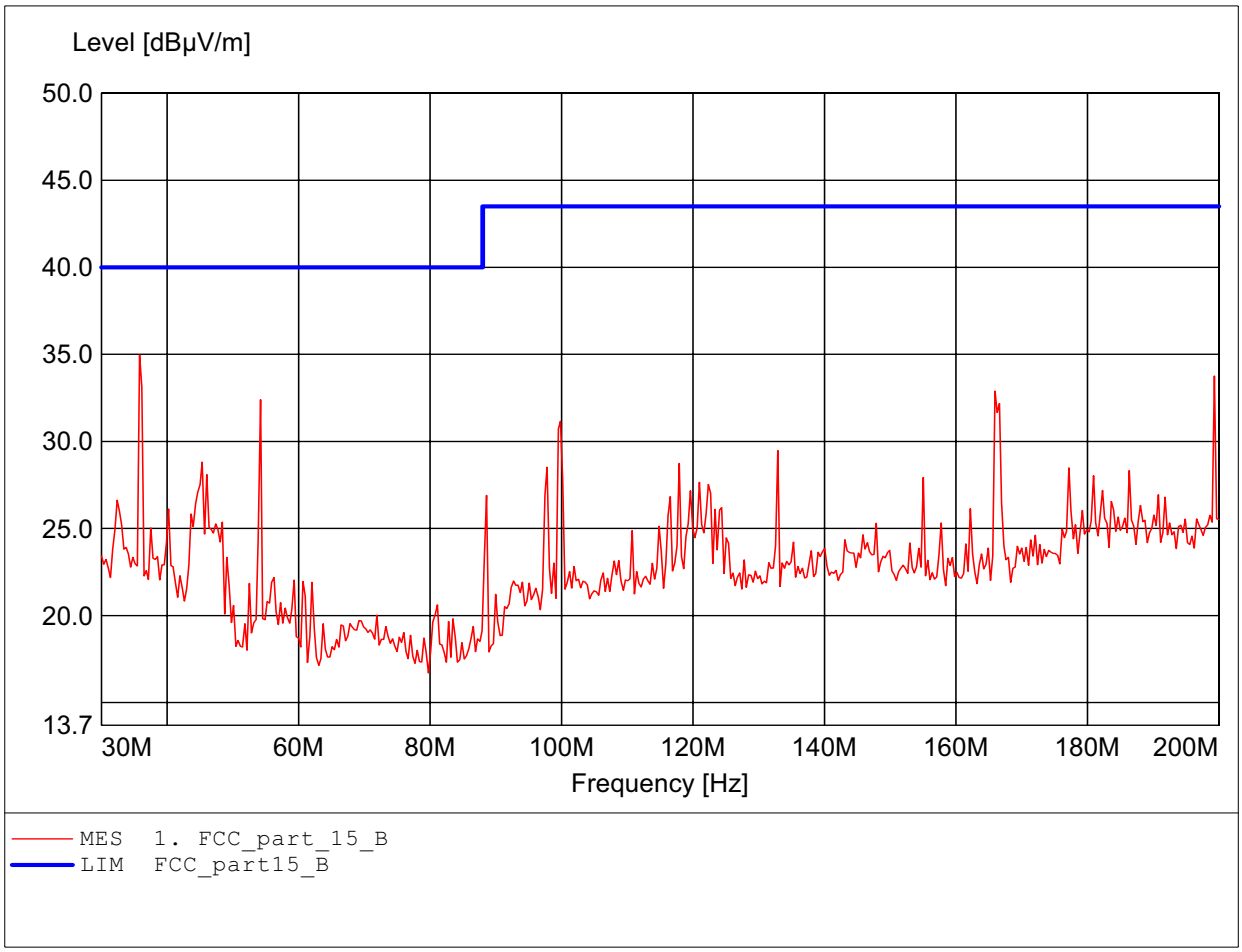
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HK 116
                       Freq:99.499MHz Emax:30.87dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

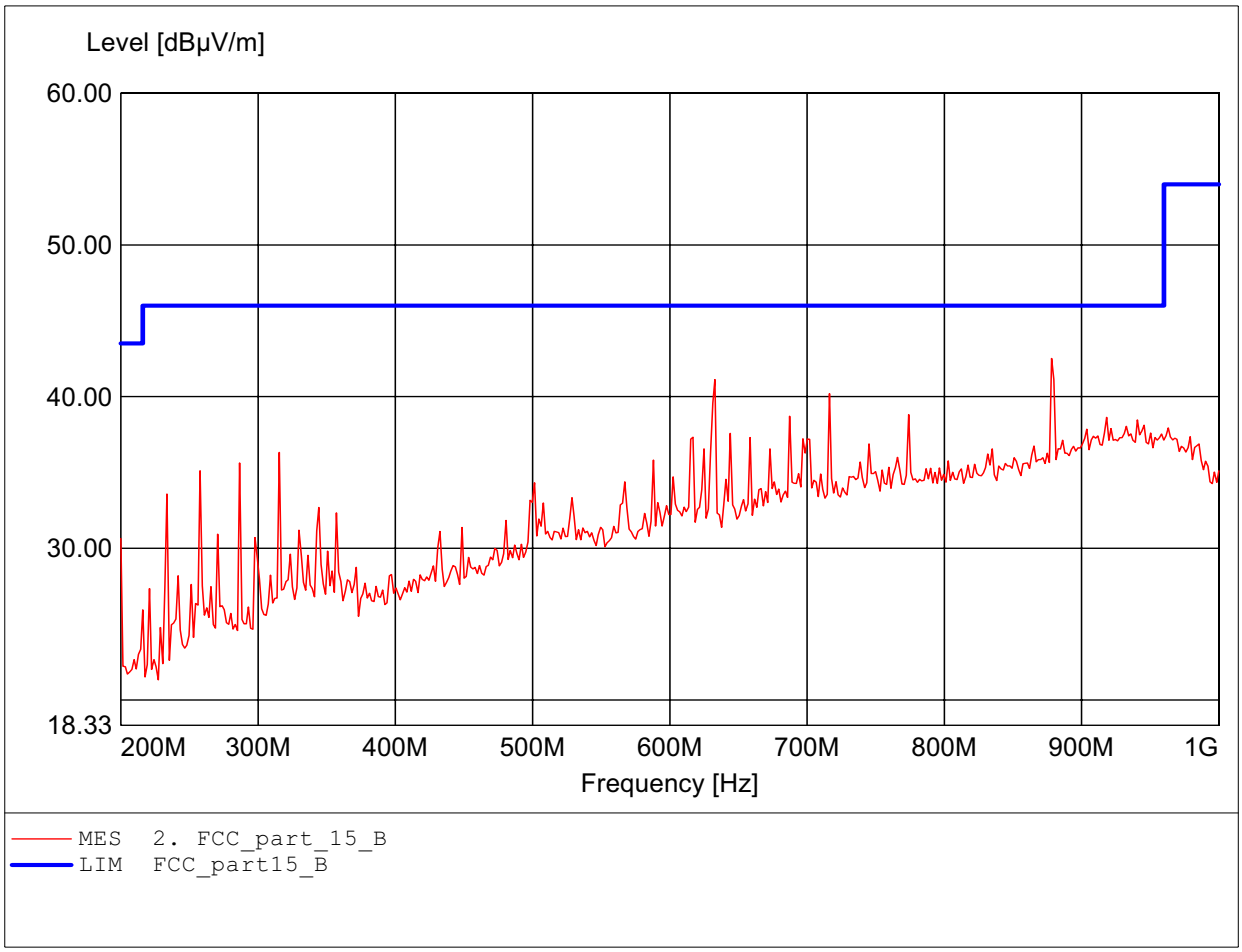
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HK 116
                       Freq:35.792MHz Emax:34.97dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

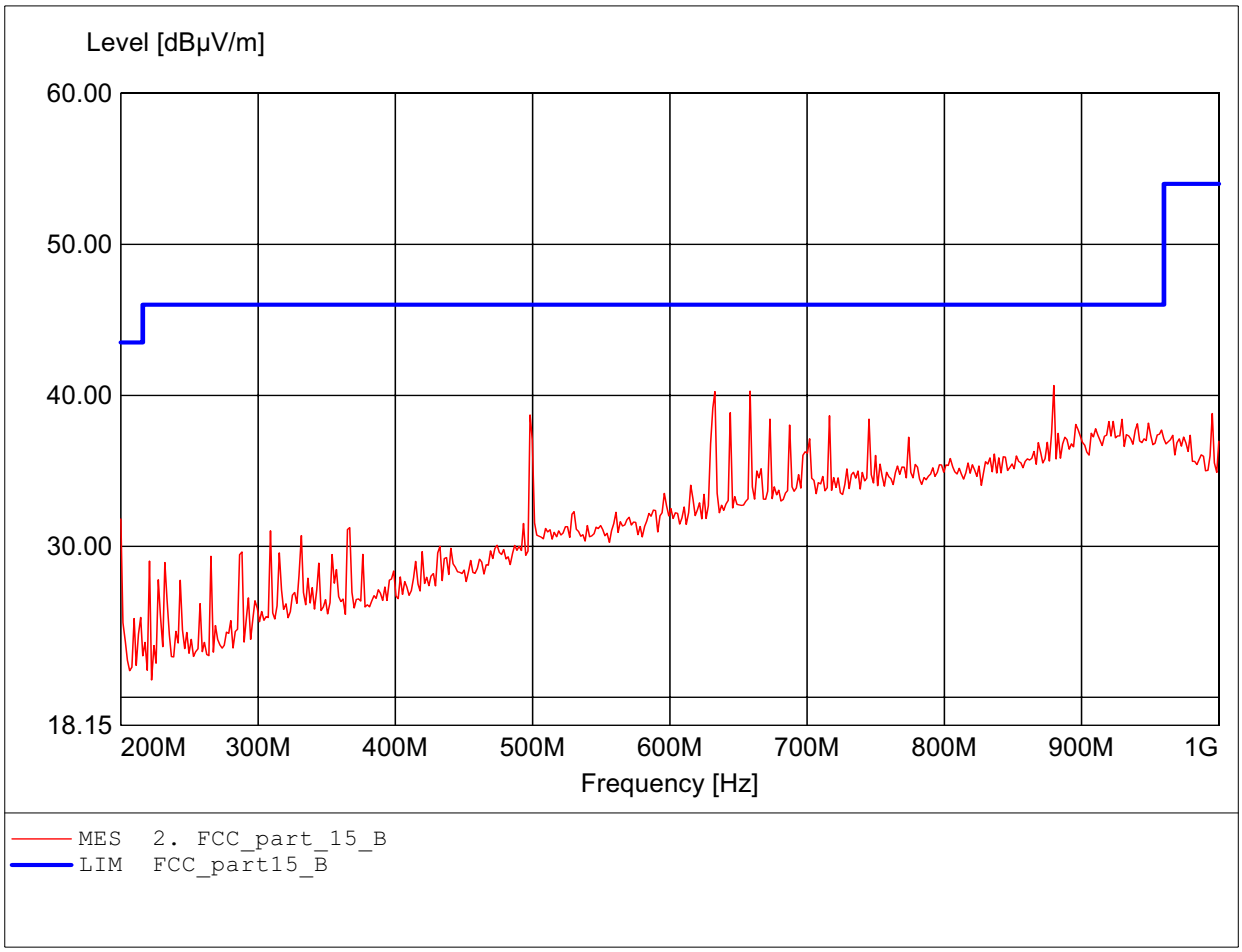
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL 223, ampl.
                       Freq:878.156MHz Emax:42.52dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

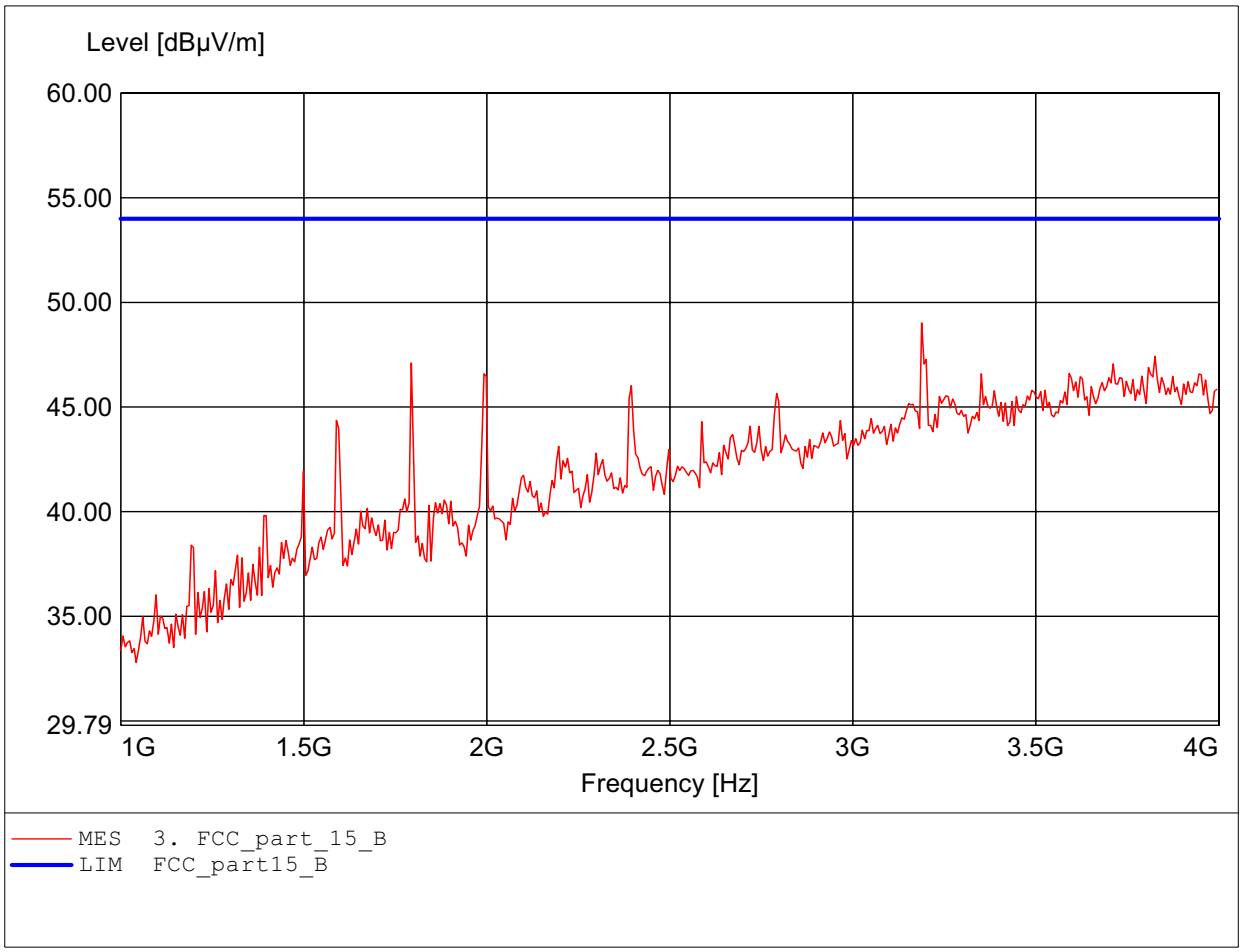
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL 223, ampl.
                       Freq:879.760MHz Emax:40.65dBµV/m RBW: 100 kHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

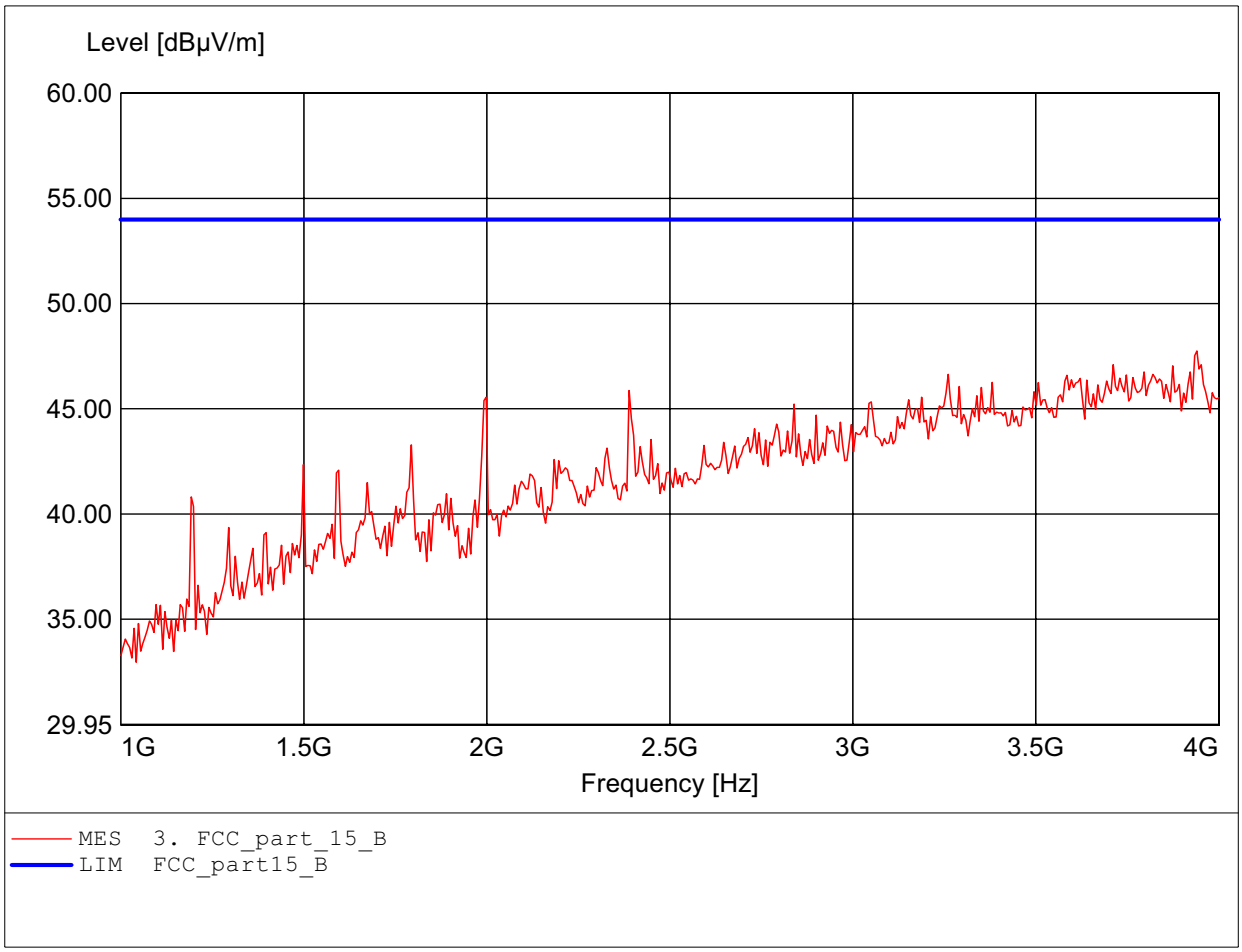
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:3.188GHz Emax:49.02dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

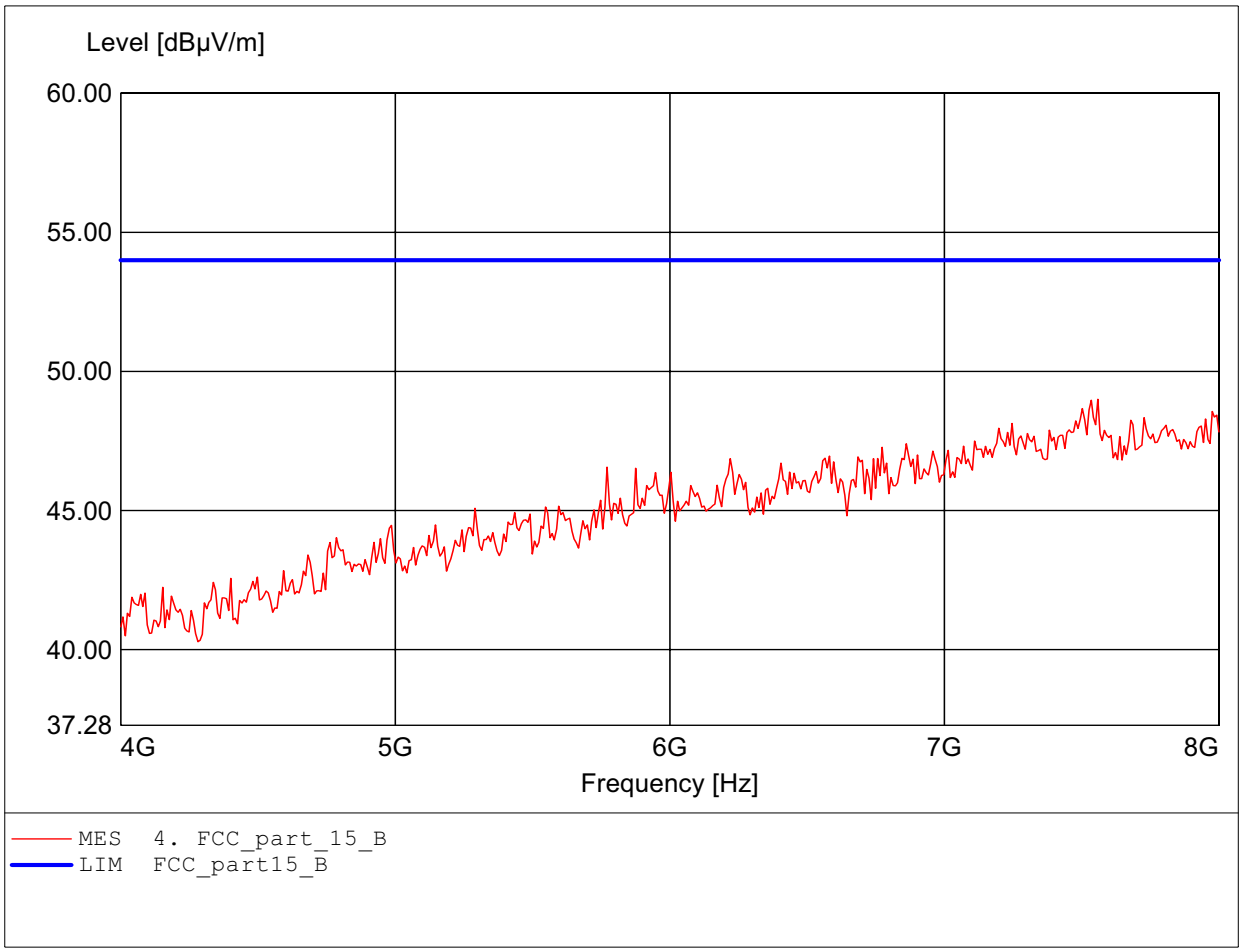
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:3.940GHz Emax:47.75dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

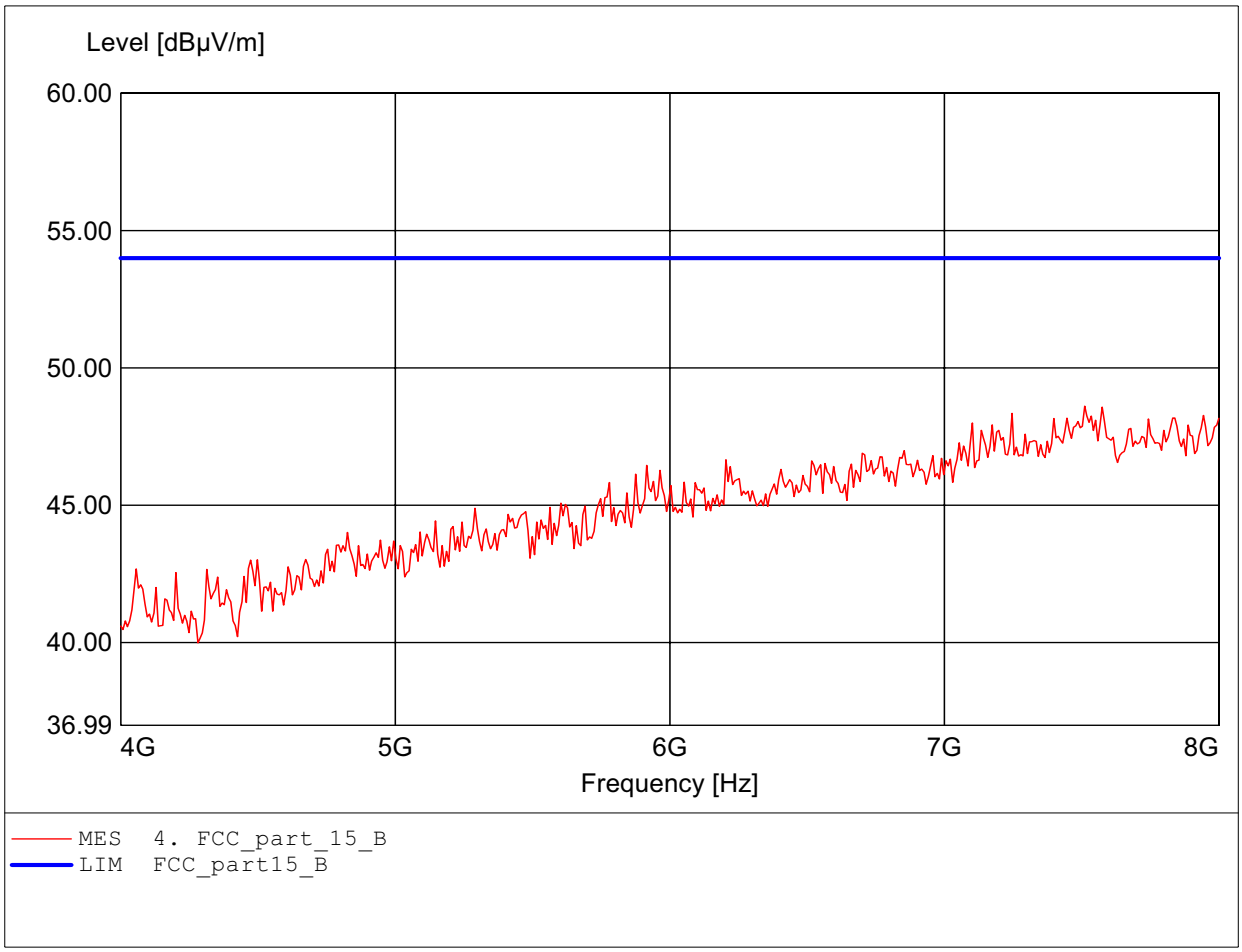
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:7.559GHz Emax:49.00dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

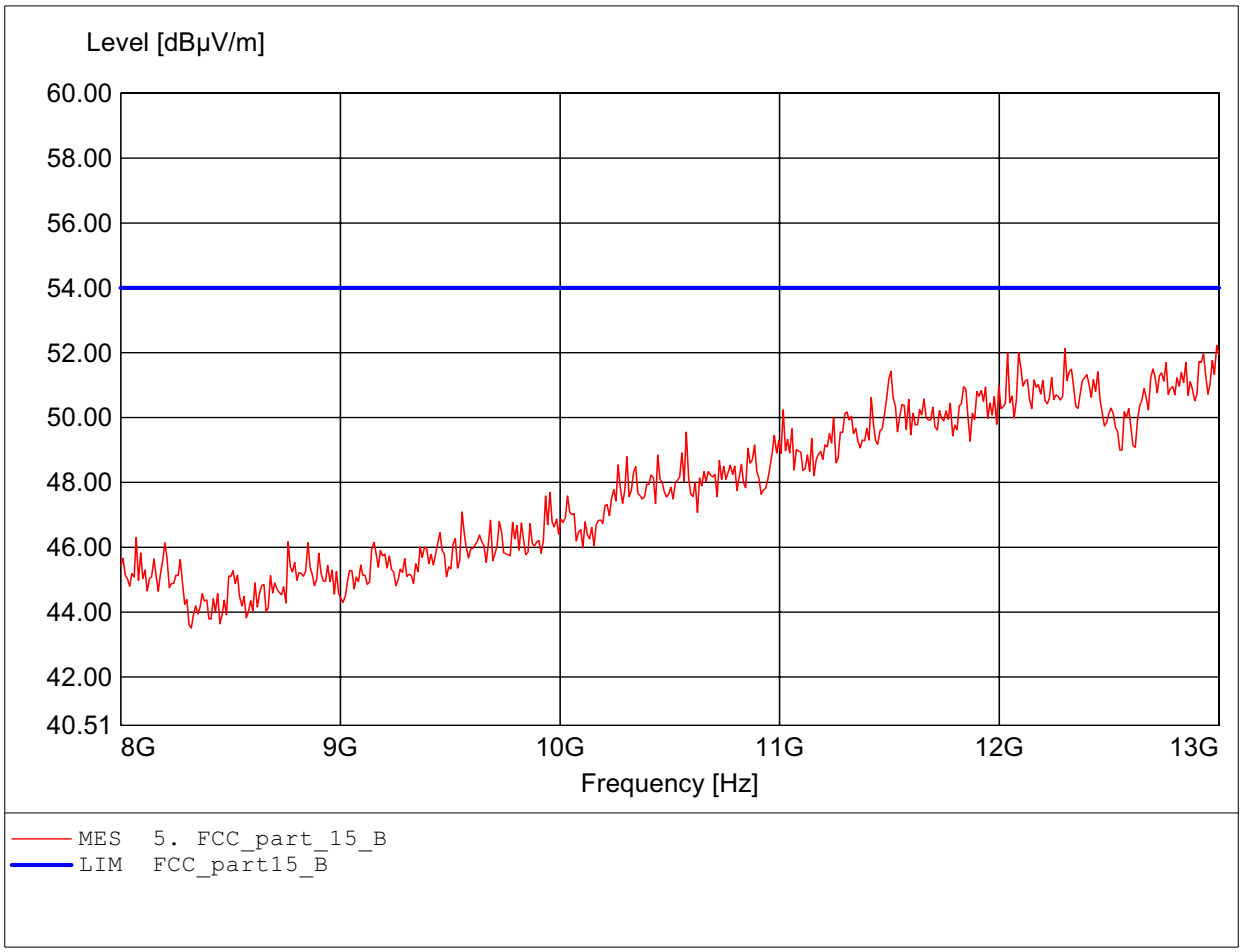
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:7.511GHz Emax:48.61dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

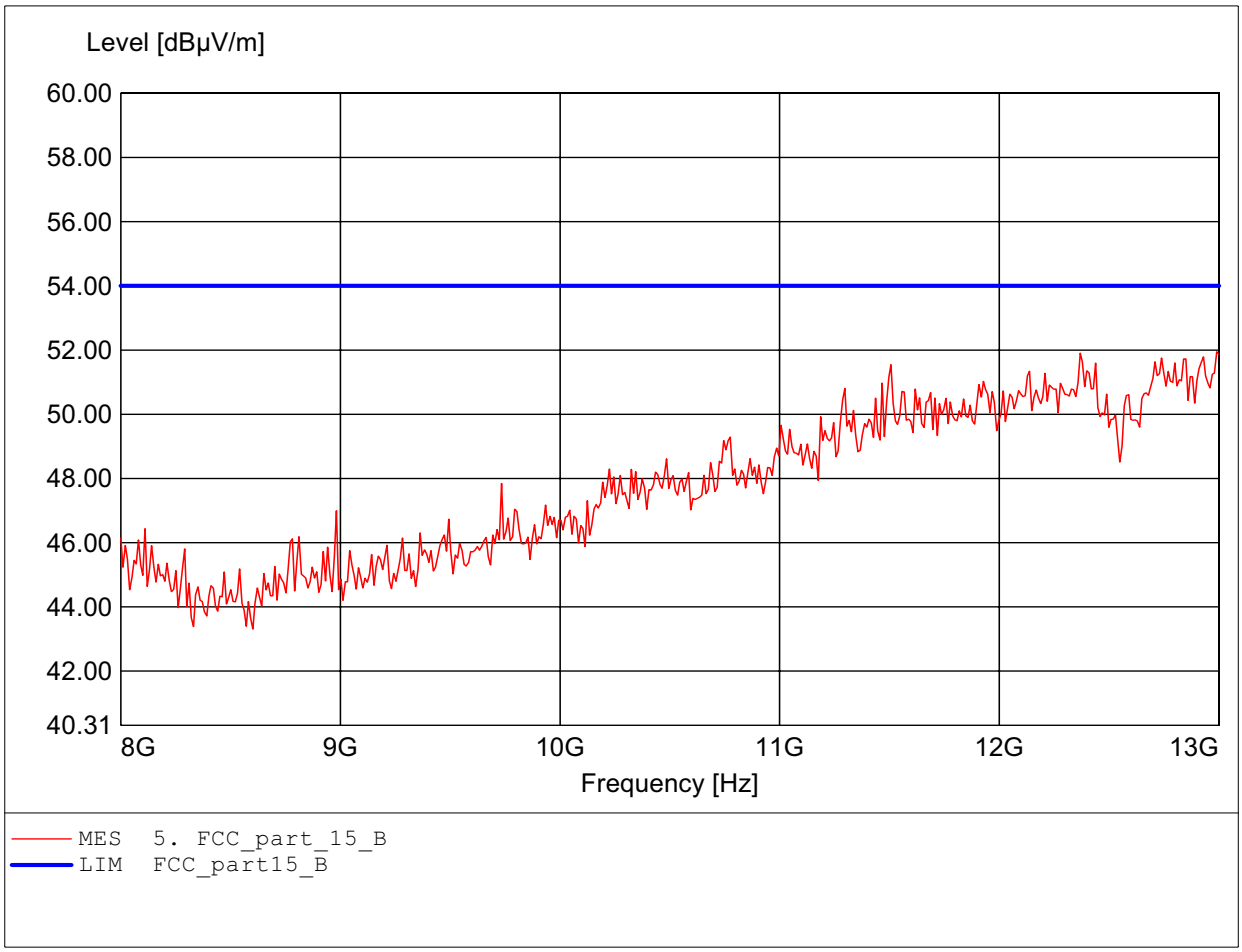
Order Number:	W6M20703-7881 802.11b CH 11
Test Site / Operator:	ETS / Derek
Temperature:	Temp.: 23.9°C
Test Specification:	according to subpart B
Comment 1:	Dist.: 3m, Ant.: HL25, ampl.
	Freq:12.990GHz Emax:52.23dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

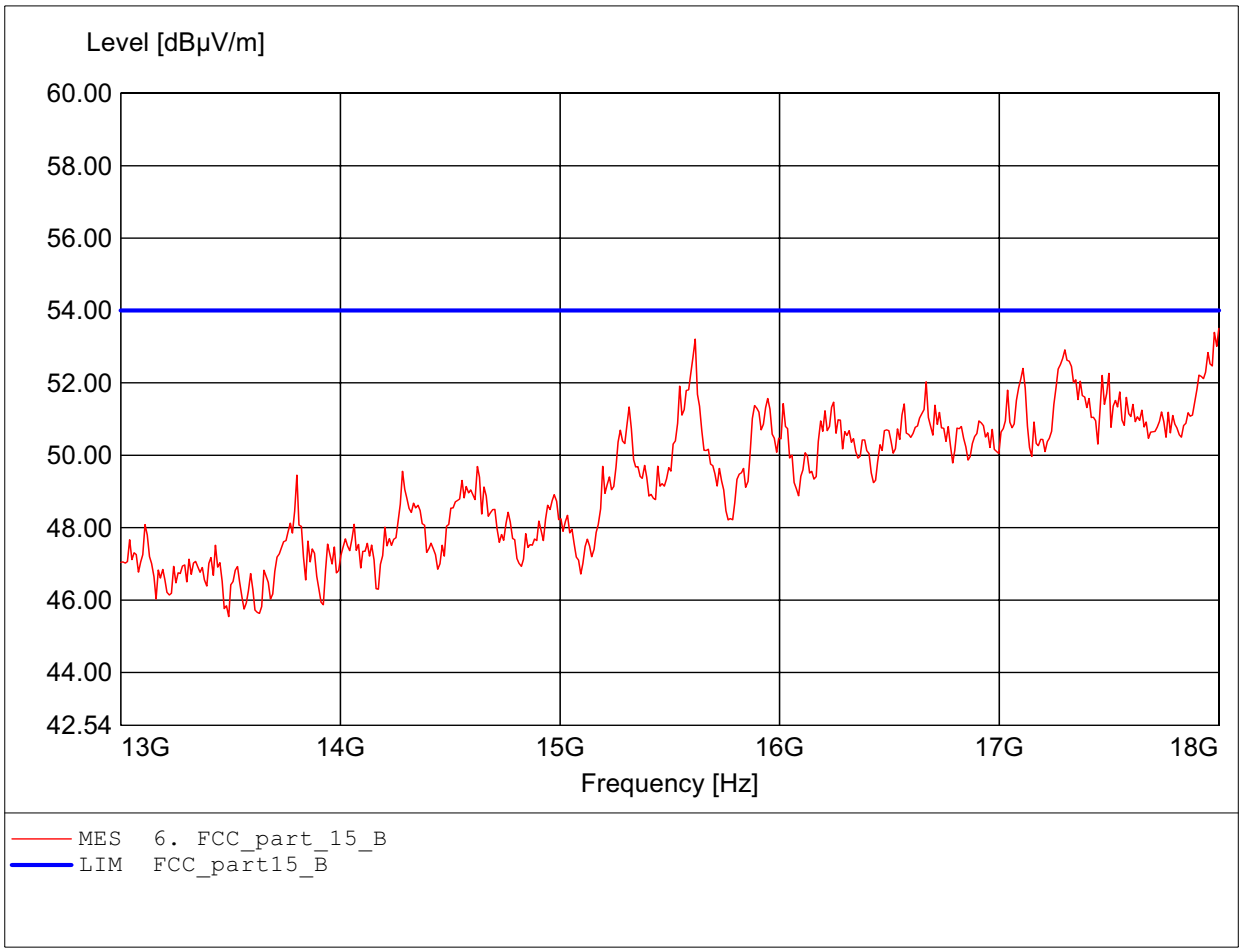
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:12.990GHz Emax:51.95dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

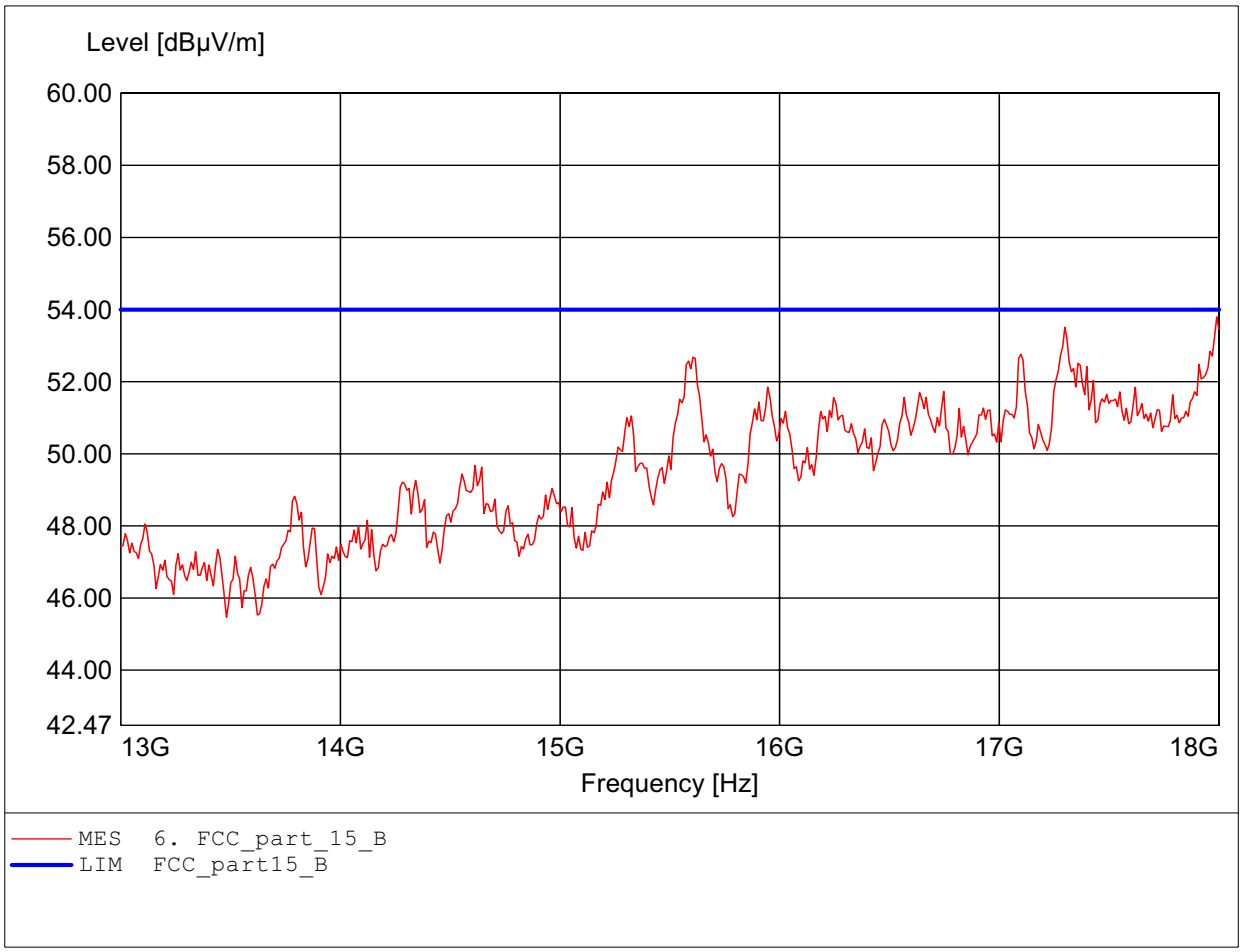
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:18.000GHz Emax:53.51dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

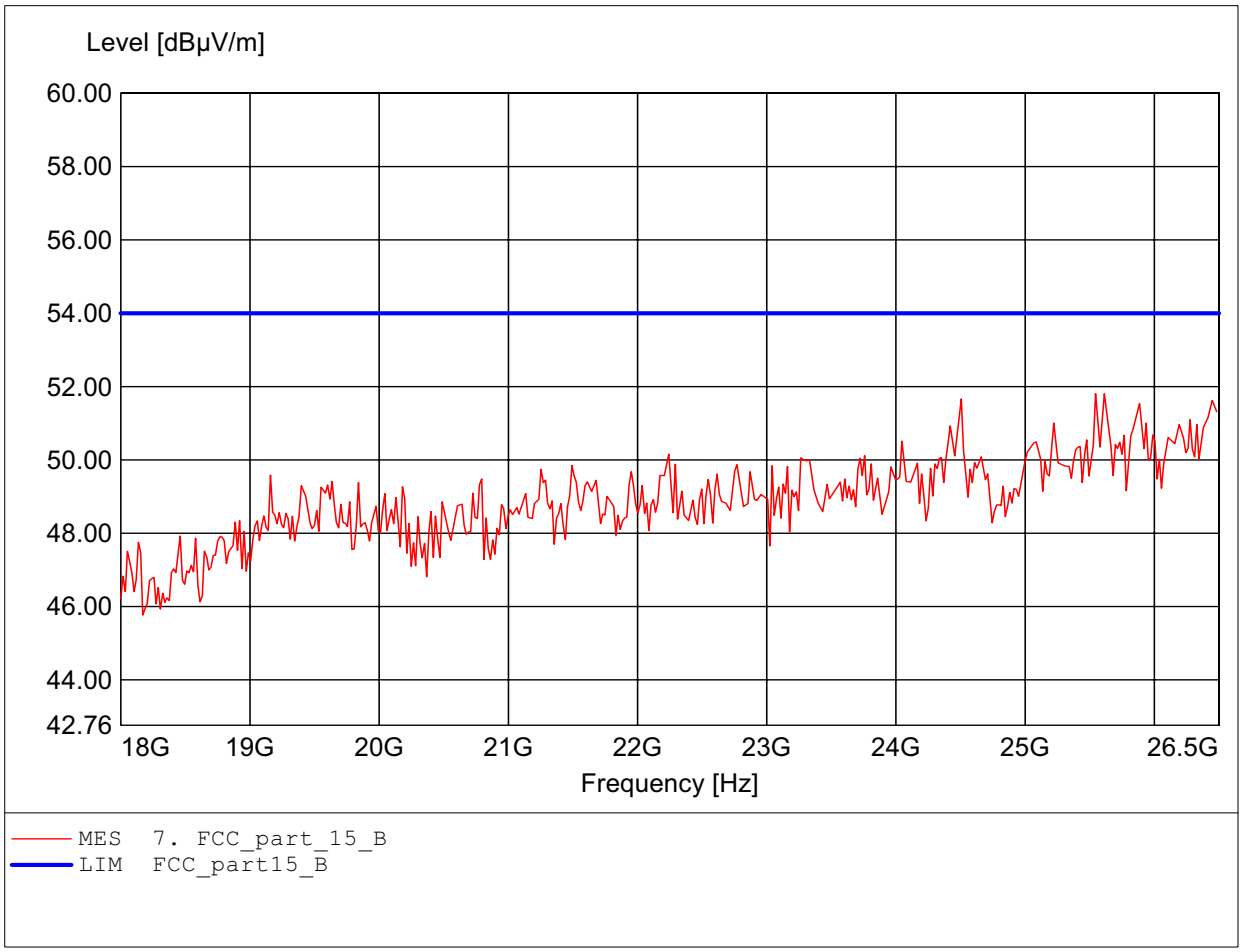
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B
Comment 1:             Dist.: 3m, Ant.: HL25, ampl.
                       Freq:17.990GHz Emax:53.80dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

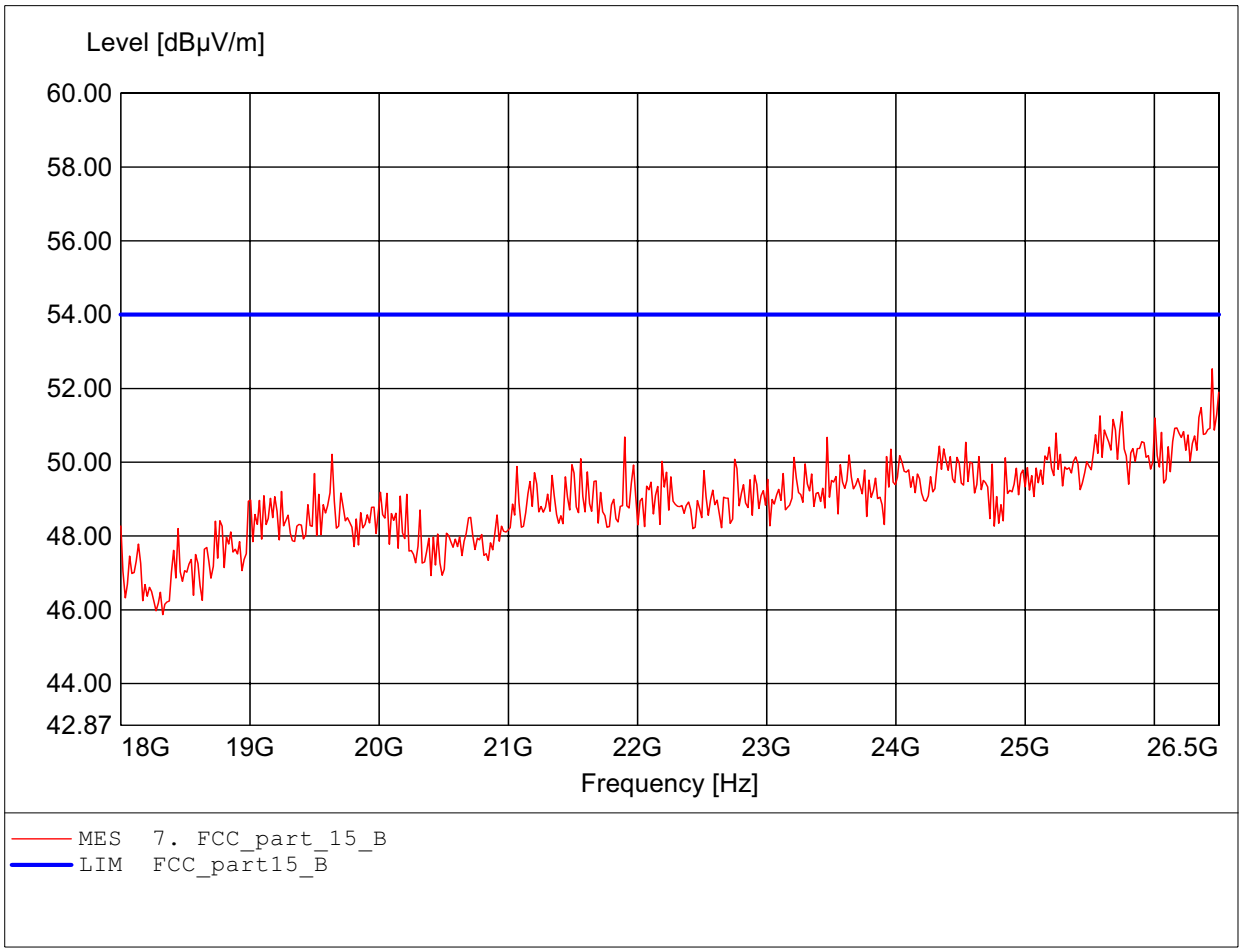
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B / LP 0002
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.
                       Freq:25.546GHz Emax:51.81dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

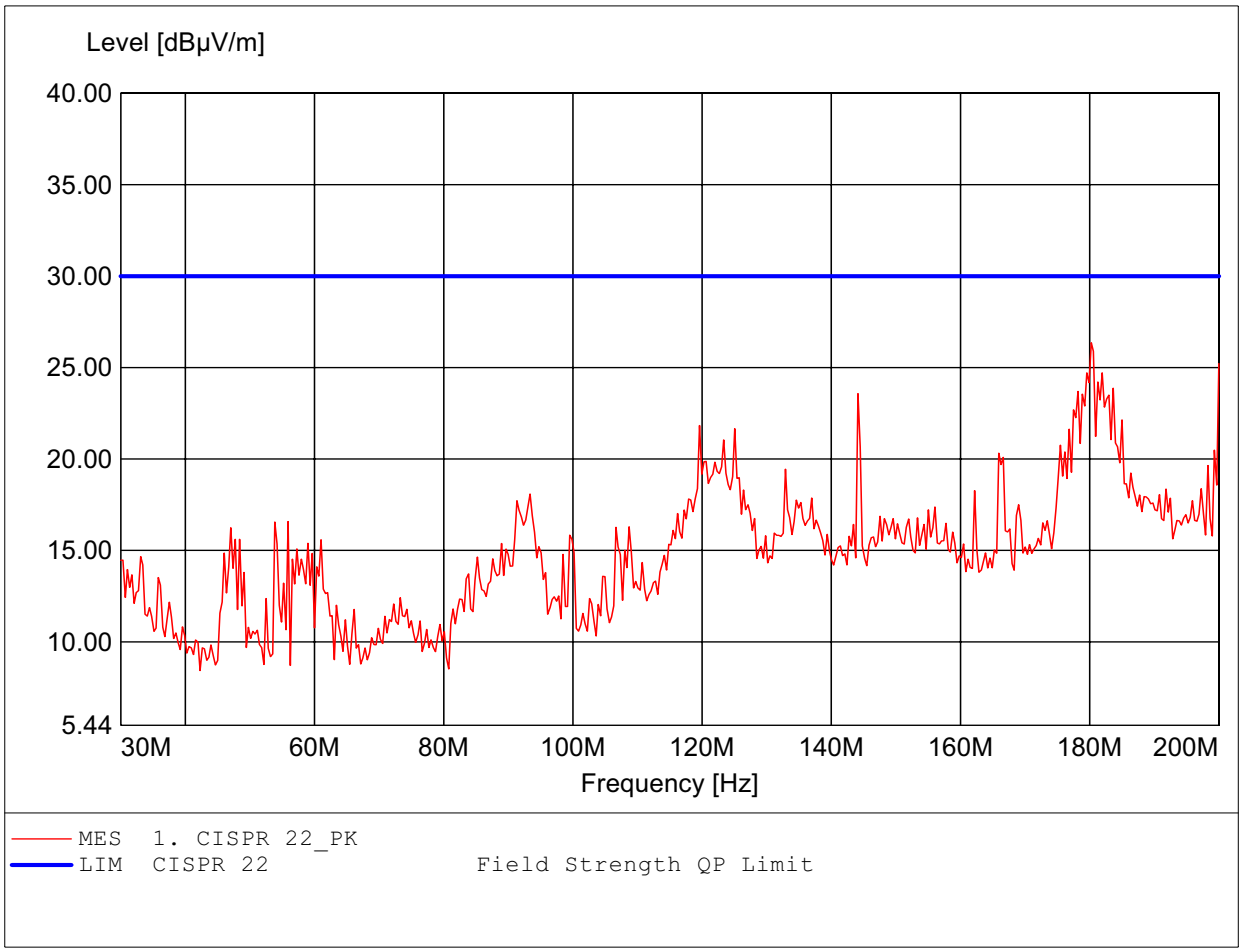
```
Order Number:          W6M20703-7881   802.11b   CH 11
Test Site / Operator:  ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    according to subpart B / LP 0002
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.
                       Freq:26.449GHz Emax:52.53dBµV/m RBW: 1 MHz
```



Spurious emissions under normal conditions

in accordance to the CISPR 22

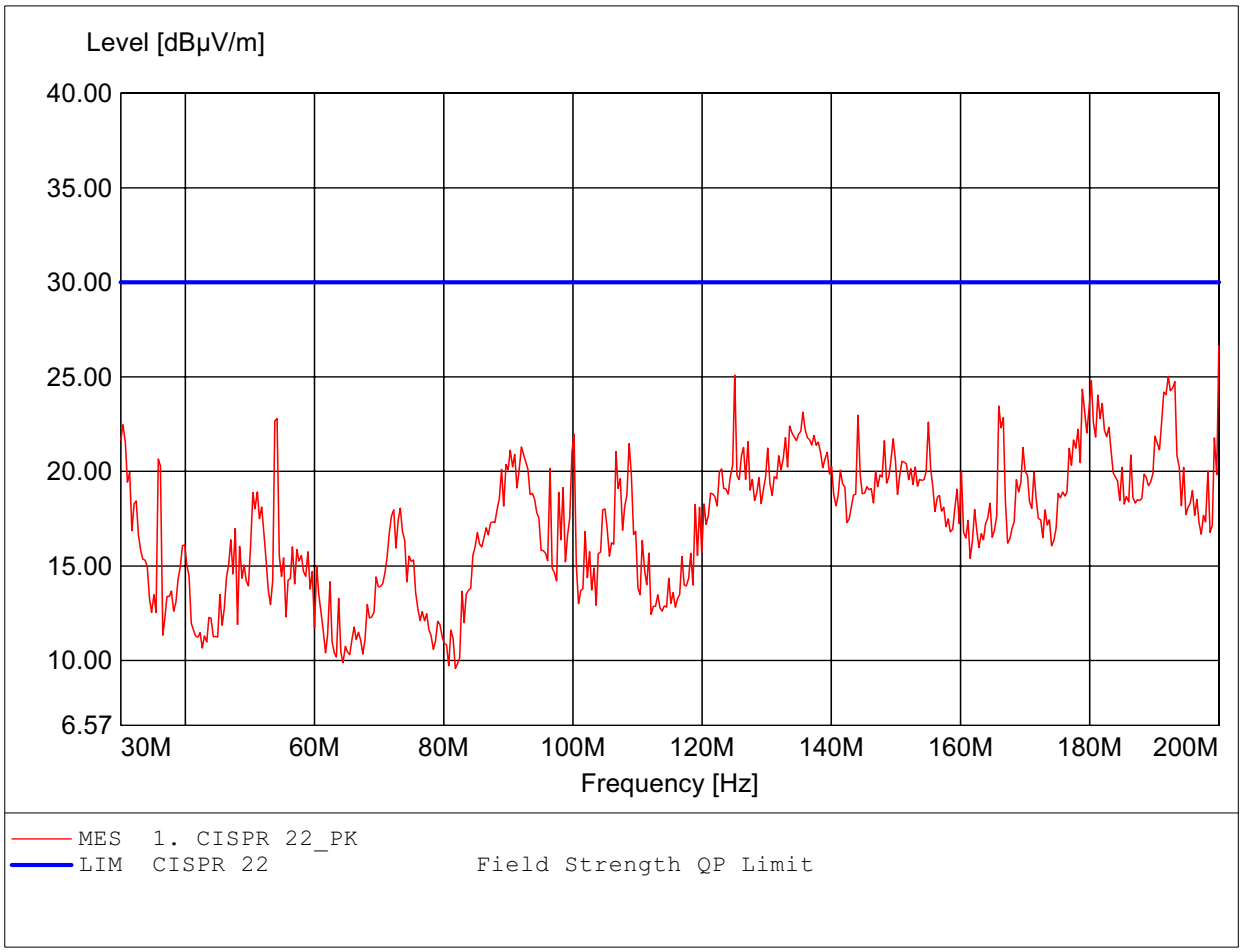
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    Fully Anechoic Chamber
Comment 1:             Dist.: 3m, Ant.: HK 116 , Peak detector
                       Freq:180.240MHz Emax:26.36dBµV/m RBW: 100 kHz
```



Spurious emissions under normal conditions

in accordance to the CISPR 22

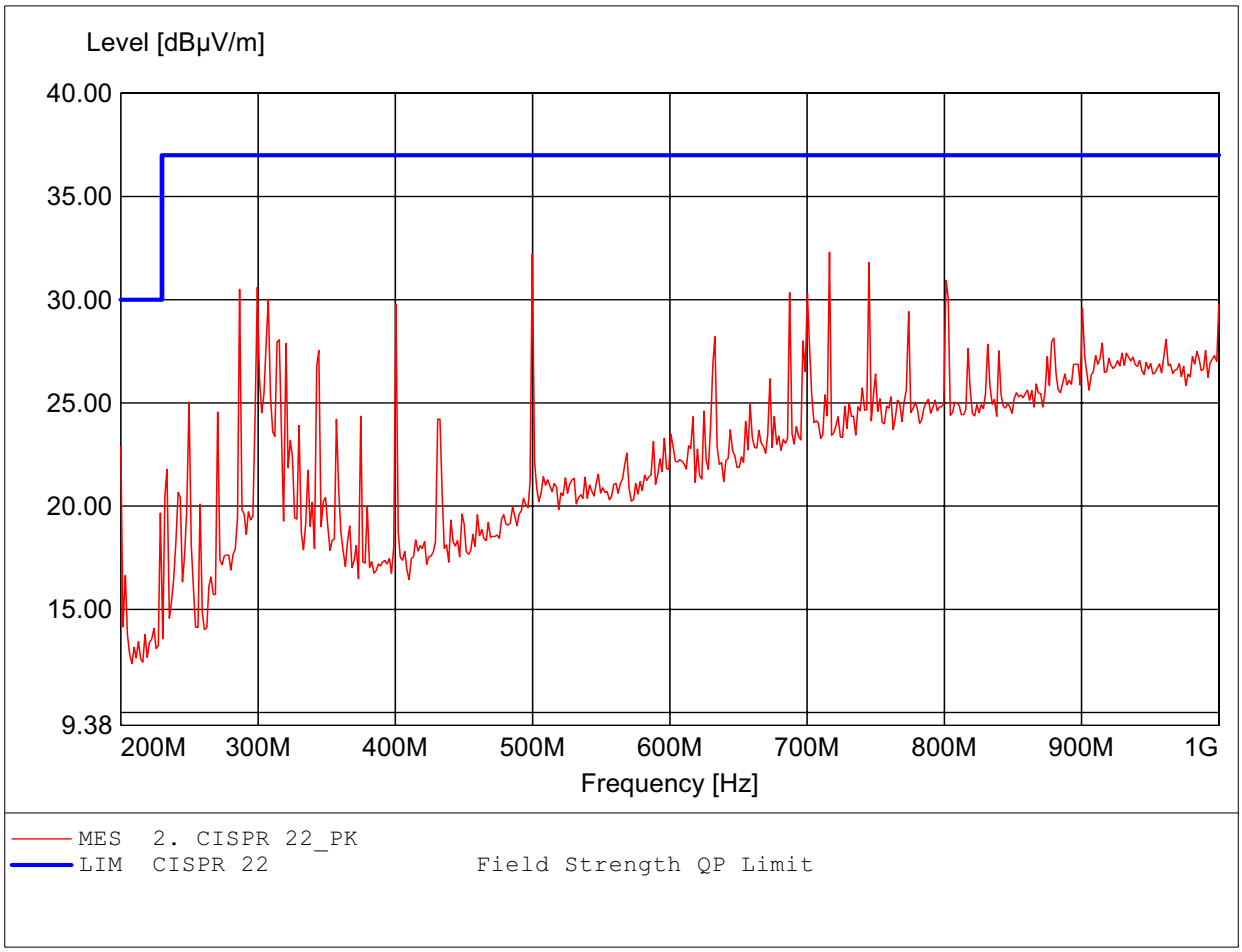
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    Fully Anechoic Chamber
Comment 1:             Dist.: 3m, Ant.: HK 116 , Peak detector
                       Freq:200.000MHz Emax:26.65dBµV/m RBW: 100 kHz
```



Spurious emissions under normal conditions

in accordance to the CISPR 22

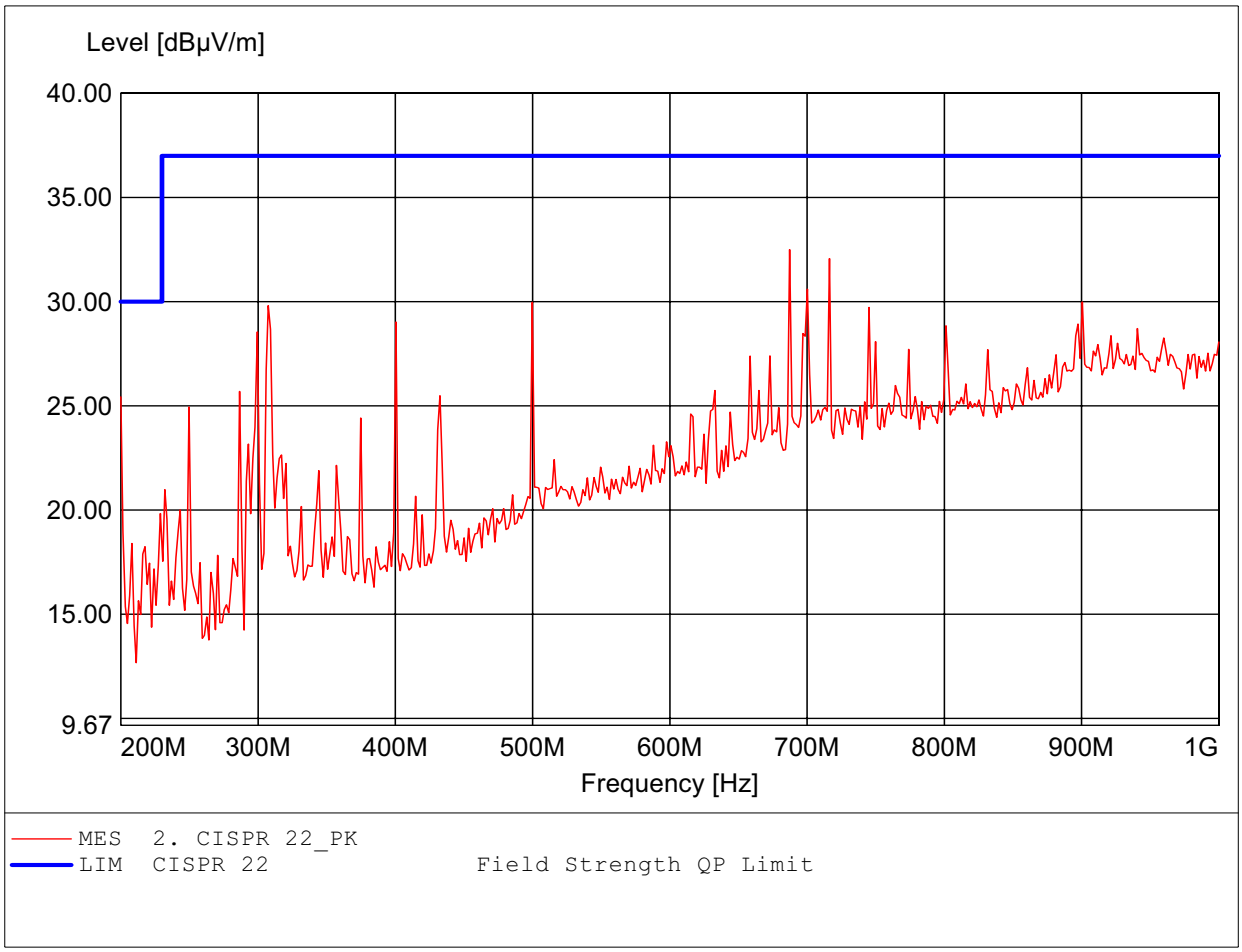
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    Fully Anechoic Chamber
Comment 1:             Dist.: 3m, Ant.: HL 223 , Peak detector
                       Freq:716.232MHz Emax:32.30dBµV/m RBW: 100 kHz
```



Spurious emissions under normal conditions

in accordance to the CISPR 22

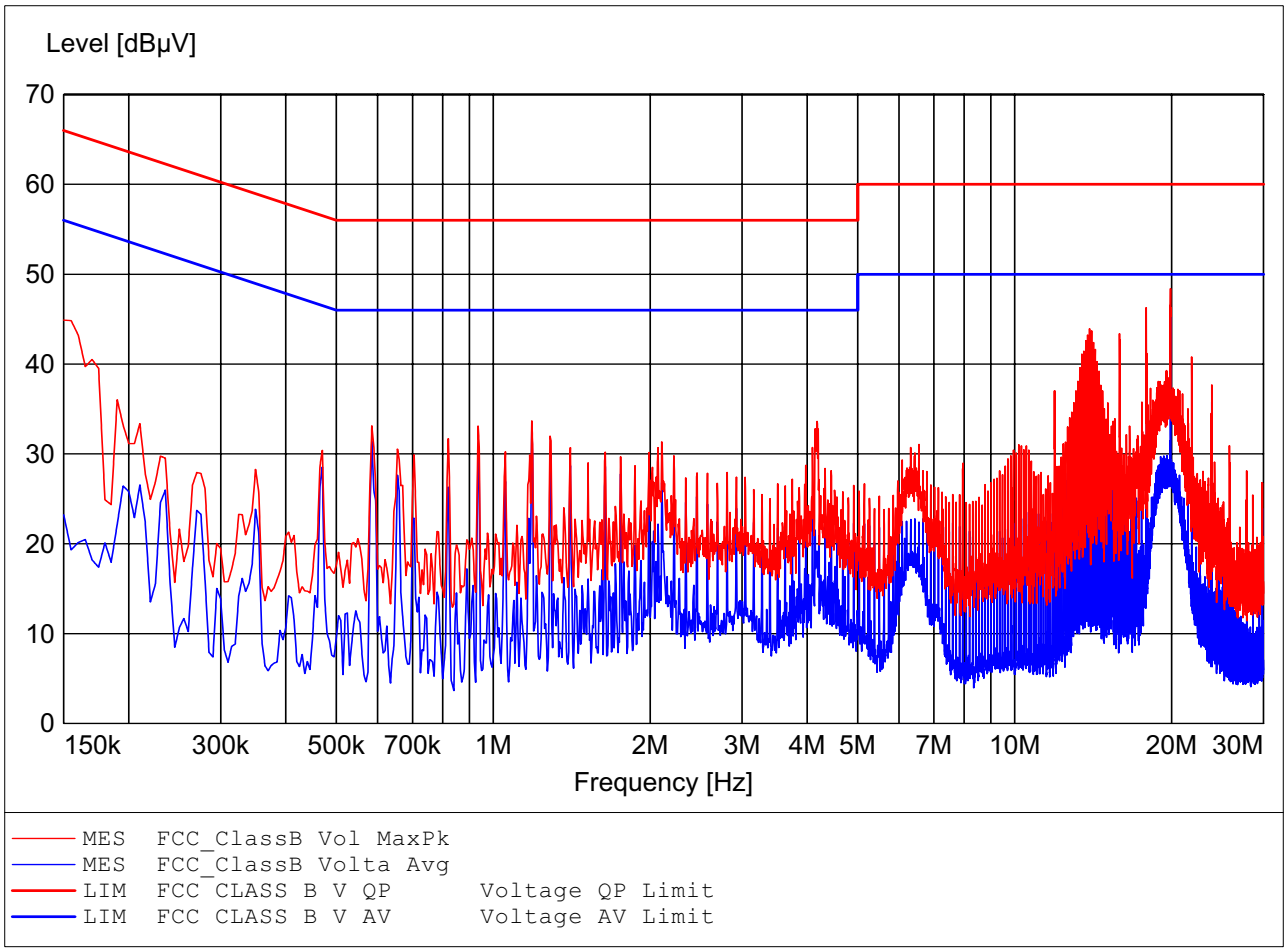
```
Order Number:          W6M20703-7881   802.11b   CH 1
Test Site / Operator: ETS / Derek
Temperature:           Temp.: 23.9°C
Test Specification:    Fully Anechoic Chamber
Comment 1:             Dist.: 3m, Ant.: HL 223 , Peak detector
                       Freq:687.375MHz Emax:32.49dBµV/m RBW: 100 kHz
```



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

CLASS B

Order Number: W6M20703-7881
Operating Condition: Tnom: 23.9°C
Test Site: ETS
Operator: Derek
Test Specification: V-network: ESH3-Z5 N



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

CLASS B

Order Number: W6M20703-7881
Operating Condition: Tnom: 23.9°C
Test Site: ETS
Operator: Derek
Test Specification: V-network: ESH3-Z5 L1