FCC CERTIFICATION
On Behalf of
TECH ART ENTERPRISE LIMITED

Xbox 2.4GHz Wireless Controller
Model No.: Xbox-002

FCC ID: TPMXB862

Prepared for	:	TECH ART ENTERPRISE LIMITED
Address	:	Unit D, 5F, 8 Building, Xinghua Industrial Park, 6Rd. of Shekou Industry, Nanshan District, Shenzhen, Guangdong, P.R.China
Prepared by	:	ACCURATE TECHNOLOGY CO. LTD
Address	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China Tel: (0755) 26503290 Fax: (0755) 26503396

Report Number	:	ATE20051812
Date of Test	:	October 26, 2005
Date of Report	:	November 9, 2005

TABLE OF CONTENTS

Description Page

Test Report Certification

Applicant	:	TECH ART ENTERPRISE LIMITED
Manufacturer	:	TECH ART ENTERPRISE LIMITED
EUT Description	:	Xbox 2.4GHz Wireless Controller
		(A) MODEL NO.: Xbox-002
		(B) SERIAL NO.: N/A
		(C) POWER SUPPLY: 4.5Vd.c. By Battery

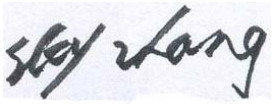
Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.249 :2004 & ANSI C63.4: 2003

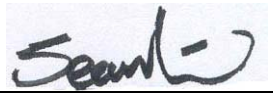
The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section15.249 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

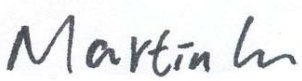
Date of Test : October 26, 2005

Prepared by : 

(Engineer)

Reviewer : 

(Quality Manager)

Approved & Authorized Signer : 

(Manager)

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT	:	Xbox 2.4GHz Wireless Controller
Model Number	:	Xbox-002
Power Supply	:	4.5Vd.c. By Battery
Frequency Range	:	2402MHz-2481MHz
Applicant	:	TECH ART ENTERPRISE LIMITED
Address	:	Unit D, 5F, 8 Building, Xinghua Industrial Park, 6Rd. of Shekou Industry, Nanshan District, Shenzhen, Guangdong, P.R.China
Manufacturer	:	TECH ART ENTERPRISE LIMITED
Address	:	Unit D, 5F, 8 Building, Xinghua Industrial Park, 6Rd. of Shekou Industry, Nanshan District, Shenzhen, Guangdong, P.R.China
Date of sample received	:	October 25, 2005
Date of Test	:	October 26, 2005

1.2.Description of Test Facility

EMC Lab	:	Accredited by TUV Rheinland Shenzhen, May 10, 2004 Accredited by FCC, May 10, 2004 The Certificate Registration Number is 253065 Accredited by Industry Canada, May 18, 2004 The Certificate Registration Number is IC 5077
Name of Firm	:	ACCURATE TECHNOLOGY CO. LTD
Site Location	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China

1.3.Measurement Uncertainty

Conducted Emission Uncertainty = ±2.66dB

Radiated Emission Uncertainty = ±4.26dB

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESI26	838786/013	01.02.2006
Bilog Antenna	Schwarzbeck	VULB9163	9163-194	01.02.2006
Bilog Antenna	Chase	CBL6112B	2591	01.02.2006
Horn Antenna	Rohde&Schwarz	HF906	100013	01.02.2006
Spectrum Analyzer	Anritsu	MS2651B	6200238856	01.02.2006
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	01.02.2006
L.I.S.N.	Rohde&Schwarz	ESH3-Z5	100305	01.02.2006
L.I.S.N.	Rohde&Schwarz	ESH3-Z5	100310	01.02.2006
Signal Generator	GW	GAG-810	0913317	01.02.2006

3. FUNDAMENTAL AND HARMONICS RADIATED EMISSION MEASURMENT

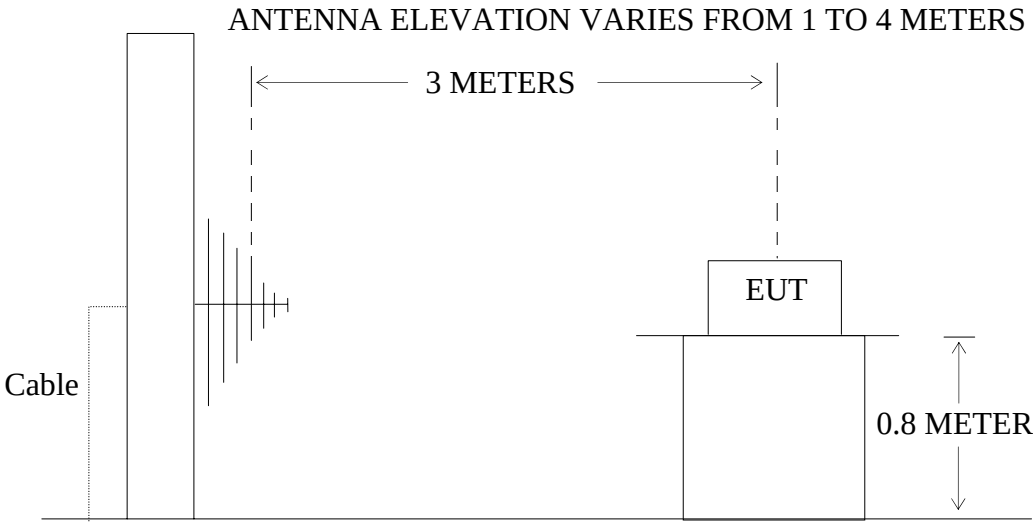
3.1.Block Diagram of Test Setup

3.1.1.Block diagram of connection between the EUT and simulators

EUT

(EUT: Xbox 2.4GHz Wireless Controller)

3.1.2.Anechoic Chamber Test Setup Diagram



(EUT: Xbox 2.4GHz Wireless Controller)

3.2.The Emission Limit

3.2.1 For intentional radiators, According to section 15.249(a), Operation within the frequency band of 2.4 to 2.4835GHz, The fundamental field strength shall not exceed 94 dBμV/m and the harmonics shall not exceed 54 dBμV/m.

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)
902-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

3.2.2 According to section 15.249(e), as shown in section 15.35(b), The peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

3.3.Configuration of EUT on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

3.3.1. Xbox 2.4GHz Wireless Controller (EUT)

Model Number	:	Xbox-002
Serial Number	:	N/A
Manufacturer	:	TECH ART ENTERPRISE LIMITED

3.4.Operating Condition of EUT

3.4.1.Setup the EUT and simulator as shown as Section 3.1.

3.4.2.Turn on the power of all equipment.

3.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402MHz -2481MHz.We are select 2402MHz, 2441MHz, 2481MHz TX frequency to transmitted.

3.5.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement.
The bandwidth of test receiver (R&S ESI26) is set at 1MHz.

3.6.The Field Strength of Radiation Emission Measurement Results

PASS.

Date of Test:	October 26, 2005	Temperature:	22°C
EUT:	Xbox 2.4GHz Wireless Controller	Humidity:	50%
Model No.:	Xbox-002	Power Supply:	4.5Vd.c. By Battery
Test Mode:	TX 2402MHz	Test Engineer:	Andy

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2402.038	88.8	103.7	-3.6	85.2	100.1	94	114	8.8	13.9	Vertical
2402.038	88.7	103.6	-3.6	85.1	100.0	94	114	8.9	14.0	Horizontal

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note:

1. Remark "- " means that the emission level is too low to be measured.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

Date of Test:	October 26, 2005	Temperature:	22°C
EUT:	Xbox 2.4GHz Wireless Controller	Humidity:	50%
Model No.:	Xbox-002	Power Supply:	4.5Vd.c. By Battery
Test Mode:	TX 2441MHz	Test Engineer:	Andy

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2441.063	88.6	103.5	-3.5	85.1	100.0	94	114	8.9	14.0	Vertical
2441.063	88.6	103.4	-3.5	85.1	99.9	94	114	8.9	14.1	Horizontal

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note:

3. Remark "- " means that the emission level is too low to be measured.
4. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

Date of Test:	October 26, 2005	Temperature:	22°C
EUT:	Xbox 2.4GHz Wireless Controller	Humidity:	50%
Model No.:	Xbox-002	Power Supply:	4.5Vd.c. By Battery
Test Mode:	TX 2481MHz	Test Engineer:	Andy

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2481.050	88.7	103.7	-3.4	85.3	100.3	94	114	8.7	13.7	Vertical
2481.050	88.5	103.4	-3.4	85.1	100.0	94	114	8.9	14.0	Horizontal

Harmonics Radiated Emissions

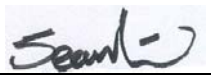
Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note:

5. Remark "- " means that the emission level is too low to be measured.
6. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

Reviewer **:** 

4. RADIATED EMISSION FOR FCC PART 15 SECTION 15.249(D)

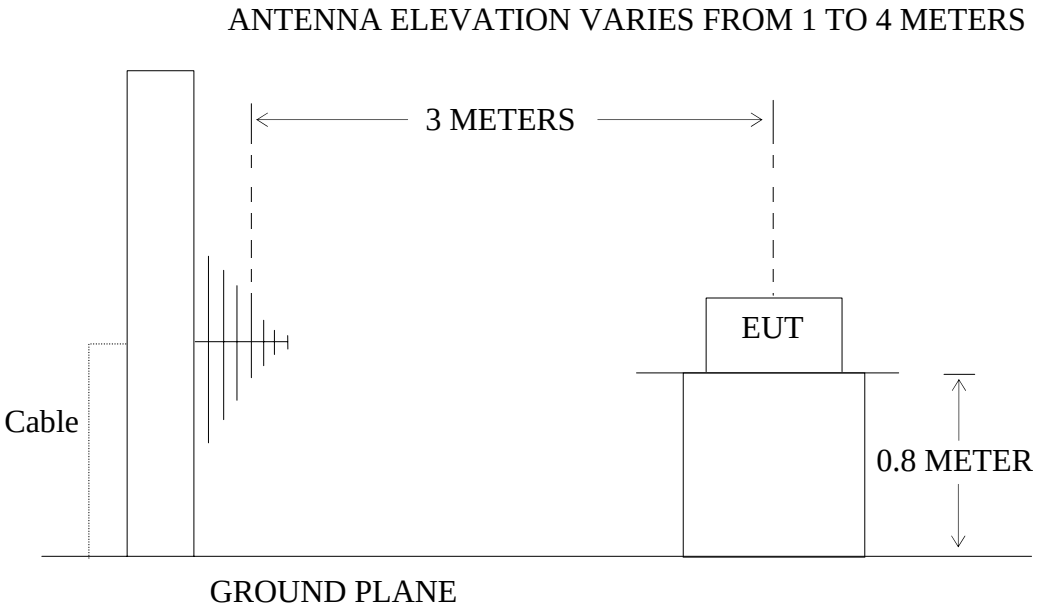
4.1.Block Diagram of Test Setup

4.1.1.Block diagram of connection between the EUT and simulators

EUT

(EUT: Xbox 2.4GHz Wireless Controller)

4.1.2.Anechoic Chamber Test Setup Diagram



(EUT: Xbox 2.4GHz Wireless Controller)

4.2.The Emission Limit For Section 15.249(d)

4.2.1 Emission radiated outside of the specified frequency bands, except for harmonics, shall be comply with the general radiated emission limits in Section 15.209.
Radiation Emission Measurement Limits According to Section 15.209

Frequency (MHz)	Limit,		
	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dBμV/m)	The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector.
30 - 88	100	40	

88 - 216	150	43.5	Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.
216 - 960	200	46	
Above 960	500	54	

4.3.EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.3.1. Xbox 2.4GHz Wireless Controller (EUT)

Model Number	:	Xbox-002
Serial Number	:	N/A
Manufacturer	:	TECH ART ENTERPRISE LIMITED

4.4.Operating Condition of EUT

4.4.1.Setup the EUT and simulator as shown as Section 4.1.

4.4.2.Turn on the power of all equipment.

4.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402MHz -2481MHz.We are select 2402MHz, 2441MHz, 2481MHz TX frequency to transmitted.

4.5.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement.

The bandwidth of test receiver (R&S ESI26) is set at 120KHz in 30-1000MHz. and set at 1MHz in above 1000MHz.

The frequency range from 30MHz to 1000MHz is checked.

The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

4.6.The Emission Measurement Result

PASS.

Date of Test:	October 26, 2005	Temperature:	22°C
EUT:	Xbox 2.4GHz Wireless Controller	Humidity:	50%
Model No.:	Xbox-002	Power Supply:	4.5Vd.c. By Battery
Test Mode:	TX 2402MHz	Test Engineer:	Andy

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	QP		AV	QP	AV	QP	AV	QP	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note:

1. Remark "- " means that the emission level is too low to be measured.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

   Result = Reading + Corrected Factor

   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain
3. All the scanning waveforms are attached in Appendix I.

Date of Test:	October 26, 2005	Temperature:	22°C
EUT:	Xbox 2.4GHz Wireless Controller	Humidity:	50%
Model No.:	Xbox-002	Power Supply:	4.5Vd.c. By Battery
Test Mode:	TX 2441MHz	Test Engineer:	Andy

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	QP		AV	QP	AV	QP	AV	QP	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note:

1. Remark "- " means that the emission level is too low to be measured.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

   Result = Reading + Corrected Factor

   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain
3. All the scanning waveforms are attached in Appendix I.

Date of Test:	October 26, 2005	Temperature:	22°C
EUT:	Xbox 2.4GHz Wireless Controller	Humidity:	50%
Model No.:	Xbox-002	Power Supply:	4.5Vd.c. By Battery
Test Mode:	TX 2481MHz	Test Engineer:	Andy

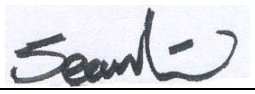
Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	QP		AV	QP	AV	QP	AV	QP	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note:

1. Remark "- " means that the emission level is too low to be measured.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

   Result = Reading + Corrected Factor

   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain
3. All the scanning waveforms are attached in Appendix I.

Reviewer **:** 

5. BAND EDGES FOR FCC PART 15 SECTION 15.249(D)

5.1.The Requirement For Section 15.249(d)

5.1.1. According to Section 15.249(d), out band emission except for harmonics shall be at least attenuated by 50 dB below the level of the fundamental.

5.2.EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.2.1. Xbox 2.4GHz Wireless Controller (EUT)

Model Number	:	Xbox-002
Serial Number	:	N/A
Manufacturer	:	TECH ART ENTERPRISE LIMITED

5.3.Operating Condition of EUT

5.3.1.Setup the EUT and simulator as shown as Section 4.1.

5.3.2.Turn on the power of all equipment.

5.3.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402MHz -2481MHz.We are select 2402MHz, 2441MHz, 2481MHz TX frequency to transmitted.

5.4.Test Procedure

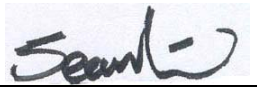
5.4.1. Measure the fundamental amplitude appearing on spectral display and set it as a reference level. measure the lower band edge amplitude. Get the delta amplitude and edge frequency.
5.4.2. Repeat above procedures , Measure the fundamental amplitude appearing on spectral display and set it as a reference level. measure the upper band edge amplitude. Get the delta amplitude and edge frequency.

5.5.The Measurement Result

Pass

5.5.1 Lower band edge: Emission radiated outside of the lower band edge are 55.34 dB below the level of 2402MHz fundamental.
5.5.2 Upper band edge: Emission radiated outside of the upper band edge are 53.63 dB below the level of 2402MHz fundamental.
5.5.3 Lower band edge: Emission radiated outside of the lower band edge are 51.26 dB below the level of 2441MHz fundamental.
5.5.4 Upper band edge: Emission radiated outside of the upper band edge are 50.63 dB below the level of 2441MHz fundamental.
5.5.5 Lower band edge: Emission radiated outside of the lower band edge are 50.94 dB below the level of 2481MHz fundamental.
5.5.6 Upper band edge: Emission radiated outside of the upper band edge are 52.08 dB below the level of 2481MHz fundamental.

5.5.7 All the spectral waveforms are attached in Appendix Ⅱ.

Reviewer **:** 

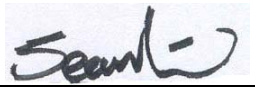
6. ANTENNA REQUIREMENT

6.1.The Requirement

7.1.1. According to Section 15.203, An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

6.2.Antenna Construction

The antenna is layout on PCB , no consideration of replacement.

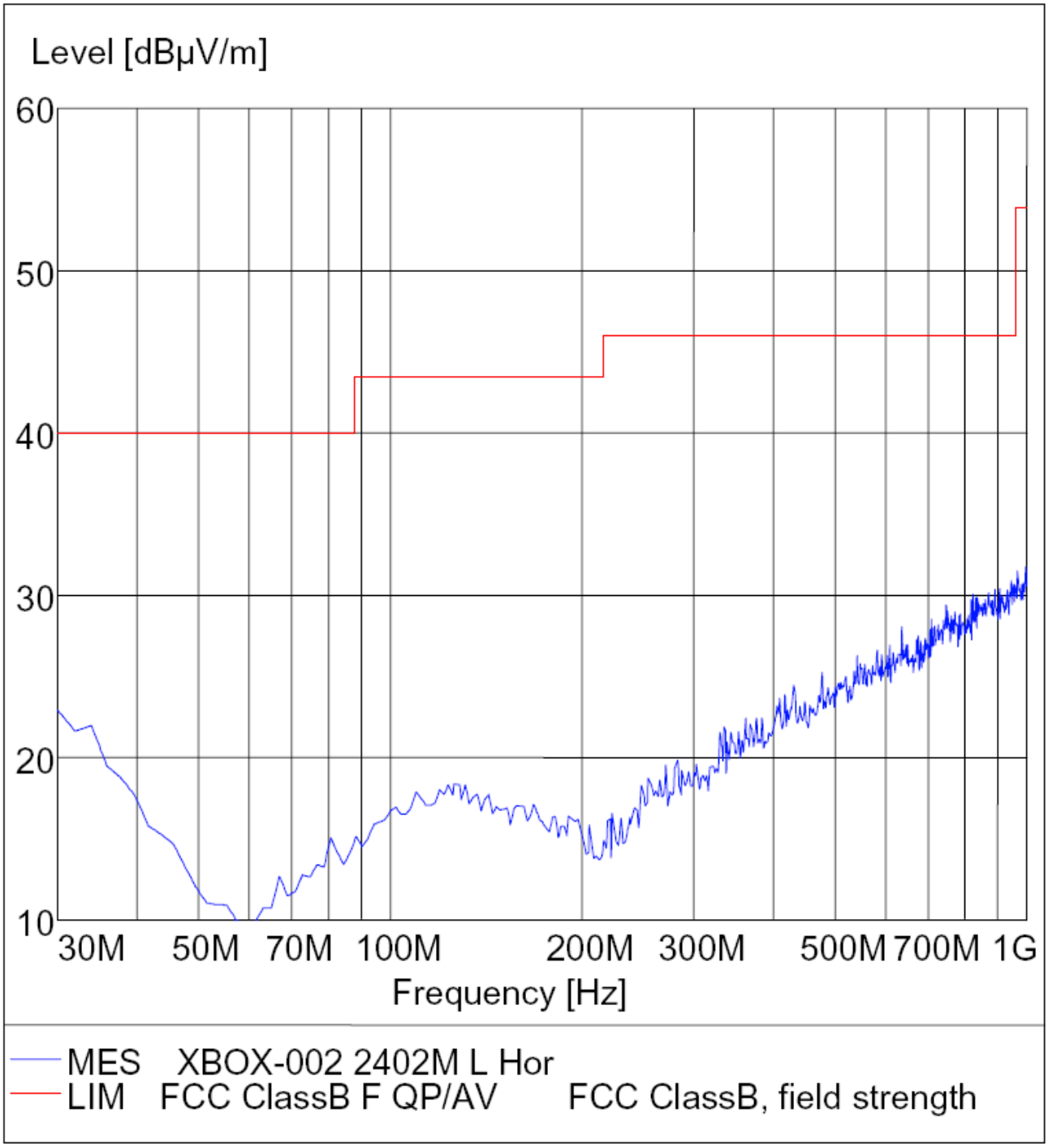
Reviewer **:** 

APPENDIX I
(Test Curves)

Radiated Disturbance

FCC Part15

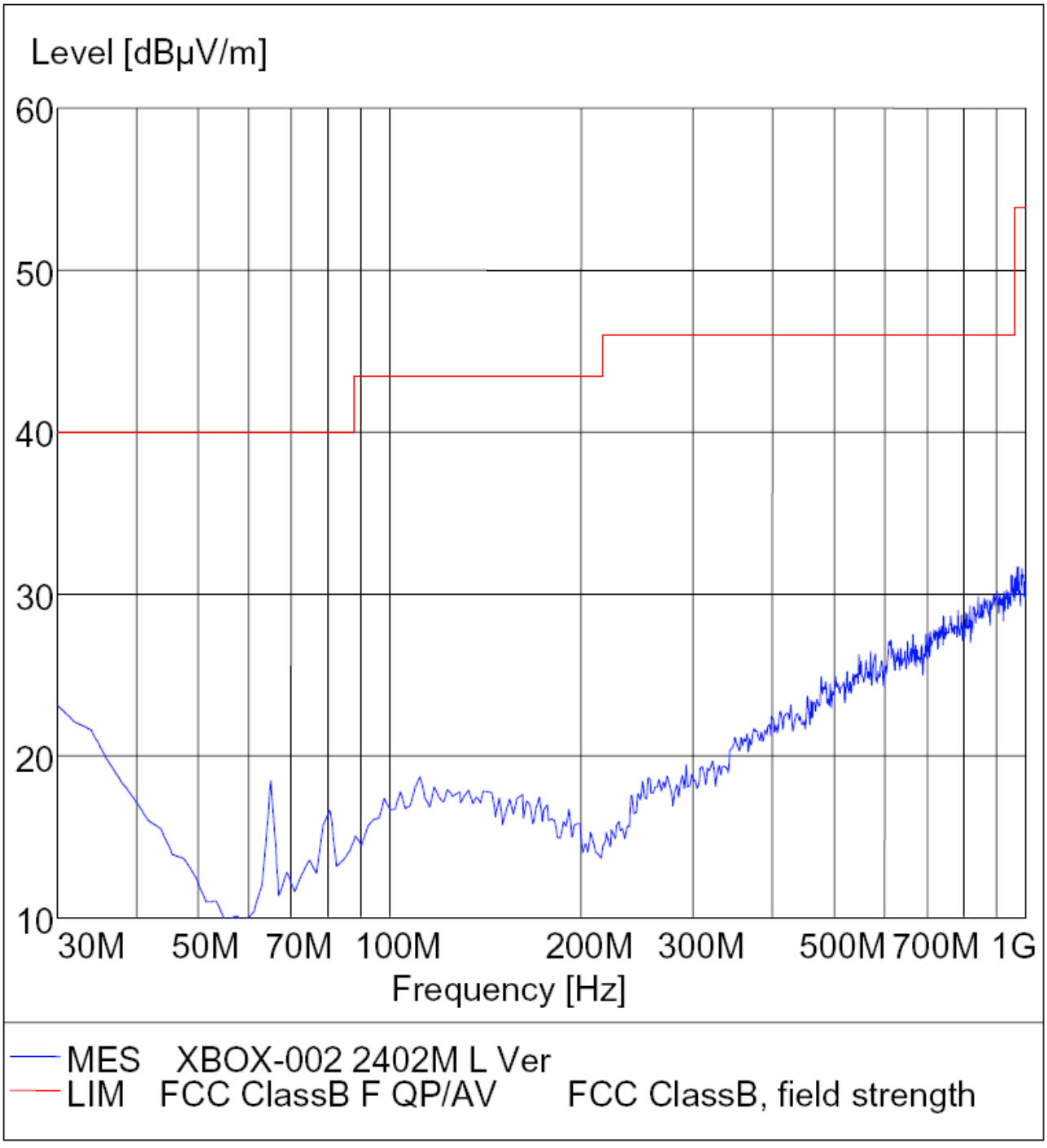
EUT: XBOX 2.4GHz Wireless Controller M/N:XBOX-002
Manufacturer: TECH ART ENTERPRISE LIMITED
Operating Condition: TX(2402MHz)
Test Site: ATC EMC Lab.SAC
Operator: Andy
Test Specification: Horizontal
Comment: DC 4.5V
:



Radiated Disturbance

FCC Part15

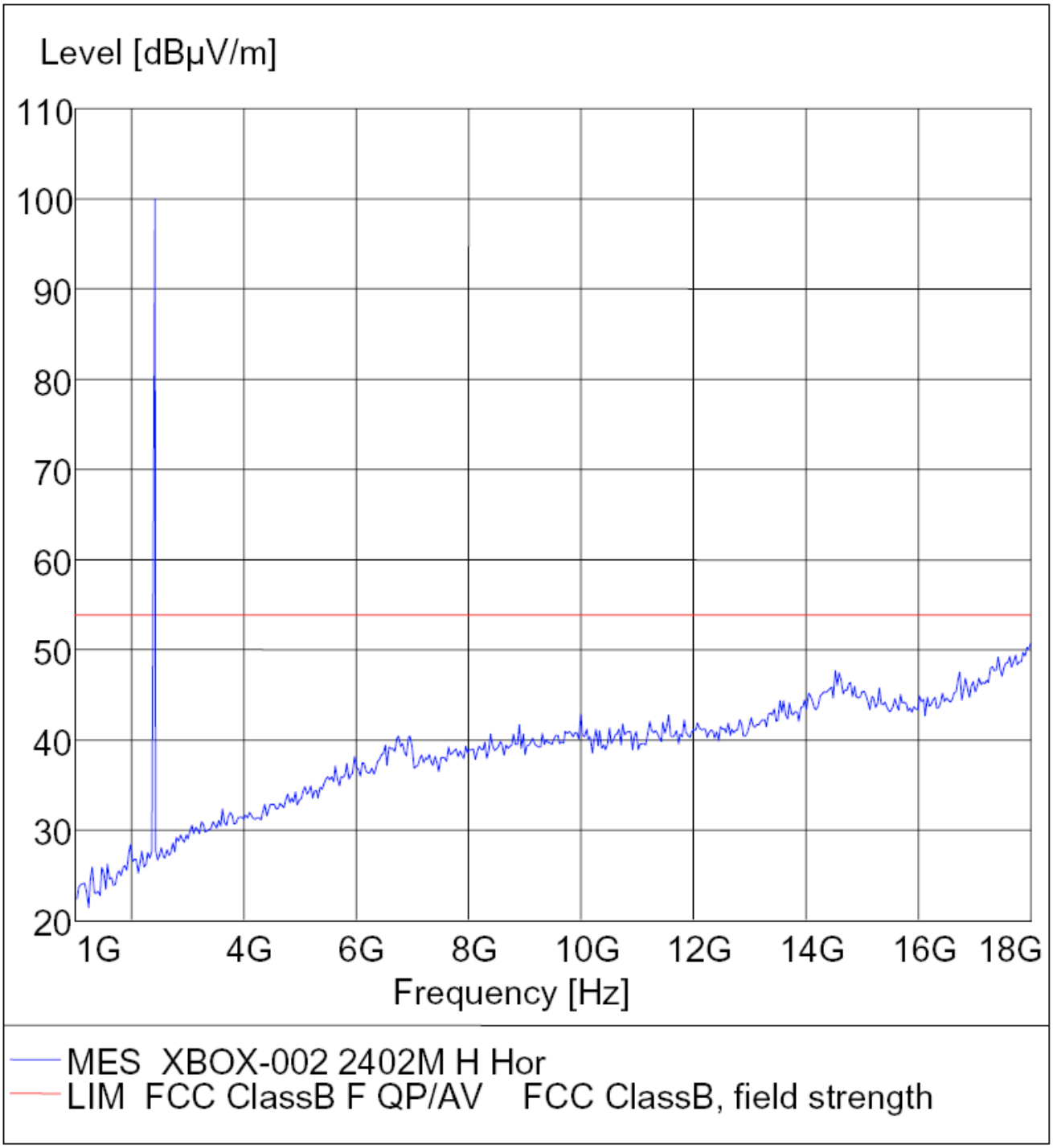
```
EUT: XBOX 2.4GHz Wireless Controller              M/N:XBOX-002
Manufacturer:       TECH ART ENTERPRISE LIMITED
Operating Condition: TX(2402MHz)
Test Site:          ATC EMC Lab.SAC
Operator:           Andy
Test Specification:  Vertical
Comment:            DC 4.5V
 :
```



Radiated Disturbance

Fcc Part15

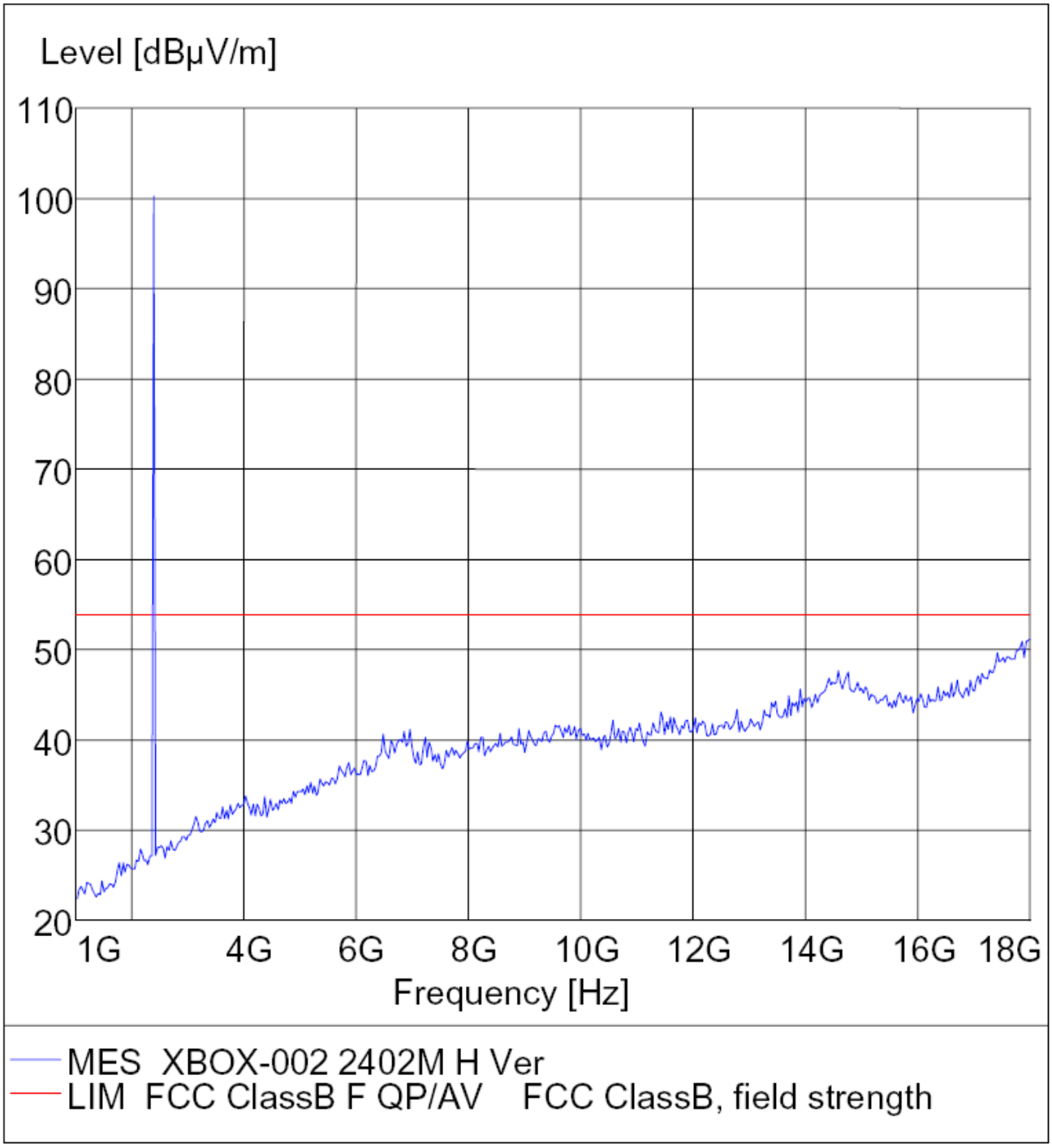
EUT: XBOX 2.4GHz Wireless Controller M/N:XBOX-002
Manufacturer: TECH ART ENTERPRISE LIMITED
Operating Condition: TX(2402MHz)
Test Site: ATC EMC Lab.SAC
Operator: Andy
Test Specification: Horizontal
Commend: DC 4.5V



Radiated Disturbance

Fcc Part15

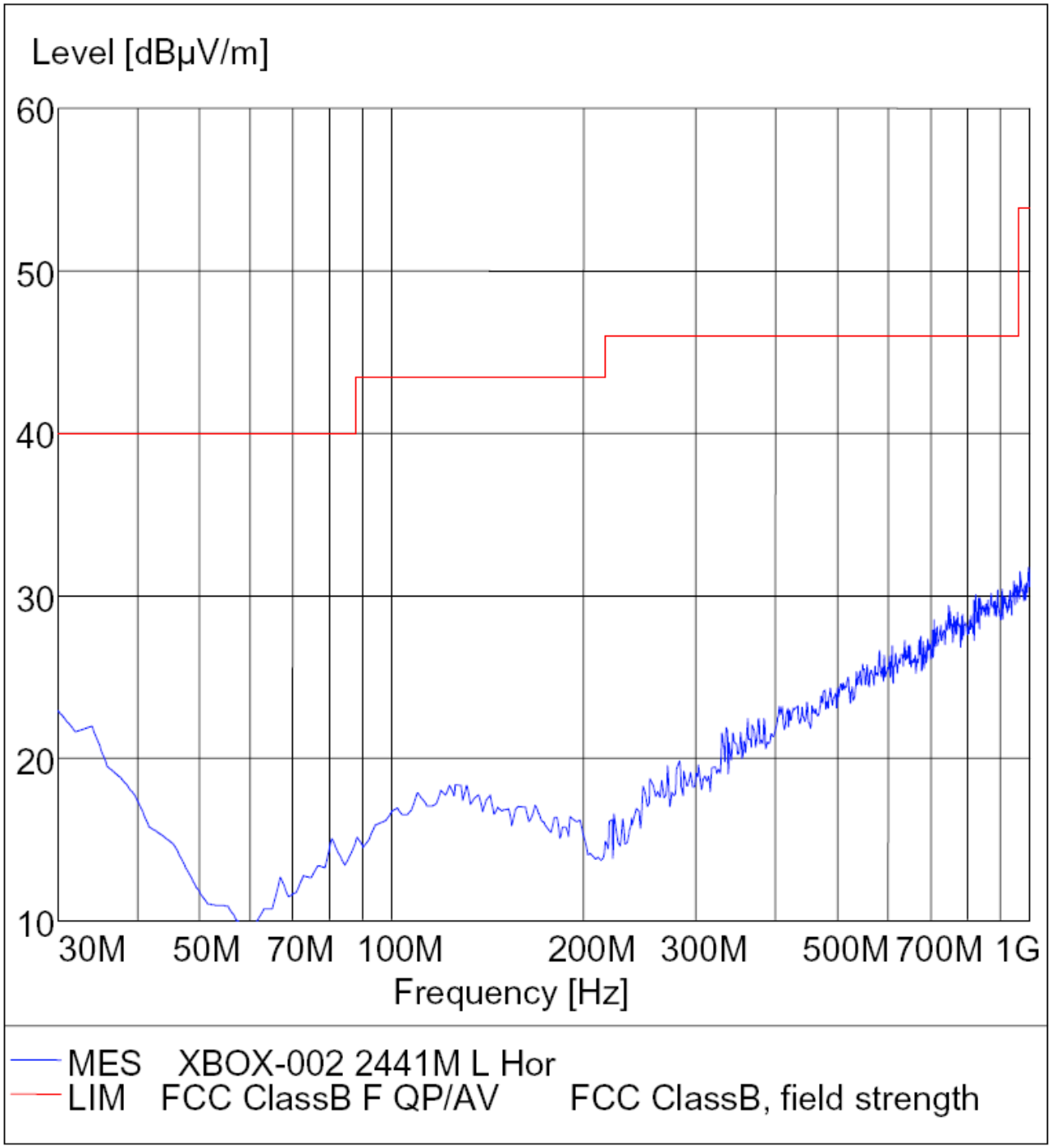
EUT: XBOX 2.4GHz Wireless Controller M/N:XBOX-002
Manufacturer: TECH ART ENTERPRISE LIMITED
Operating Condition: TX(2402MHz)
Test Site: ATC EMC Lab.SAC
Operator: Andy
Test Specification: Vertical
Commend: DC 4.5V



Radiated Disturbance

FCC Part15

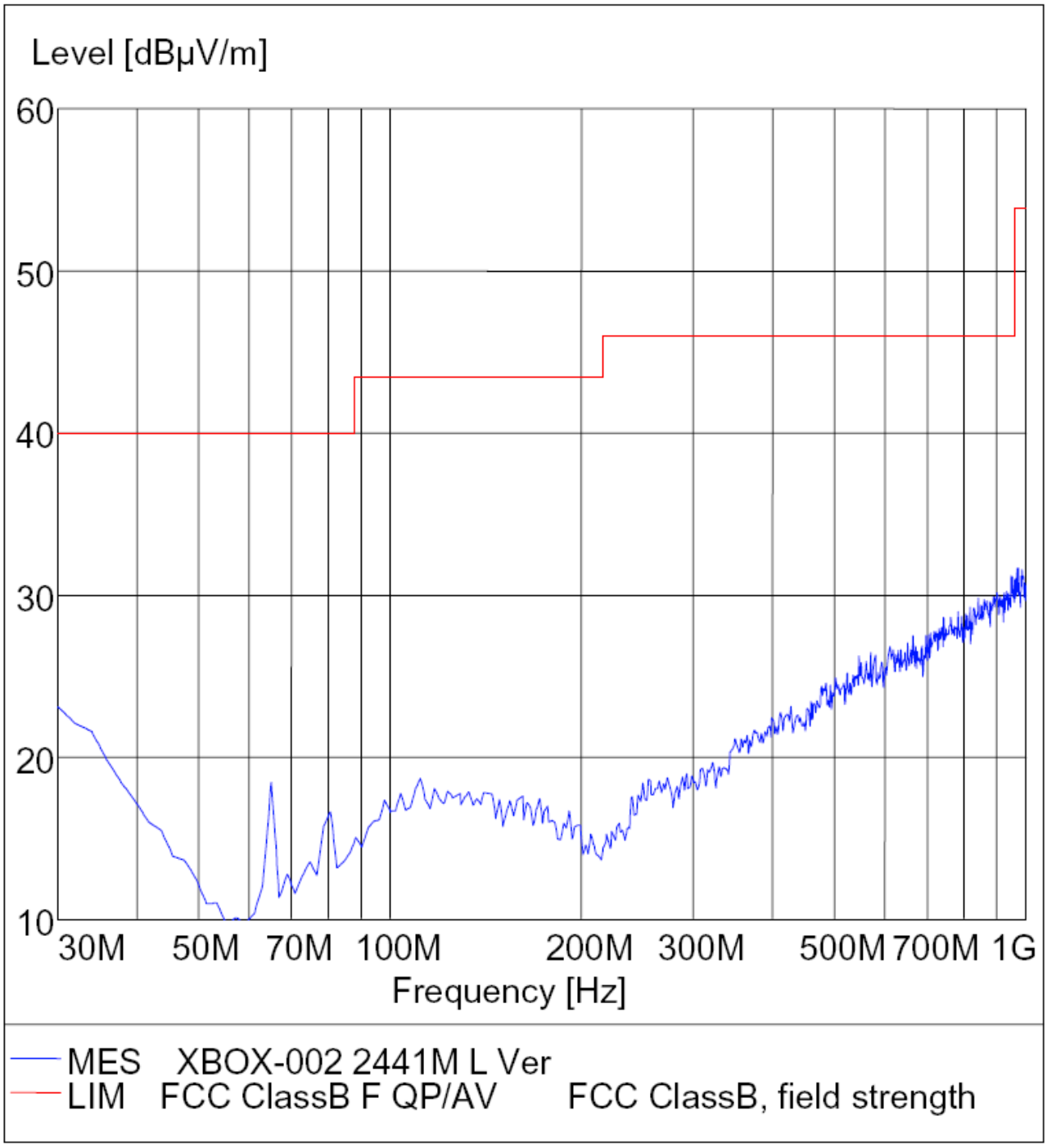
EUT: XBOX 2.4GHz Wireless Controller M/N:XBOX-002
Manufacturer: TECH ART ENTERPRISE LIMITED
Operating Condition: TX(2441MHz)
Test Site: ATC EMC Lab.SAC
Operator: Andy
Test Specification: Horizontal
Comment: DC 4.5V
:



Radiated Disturbance

FCC Part15

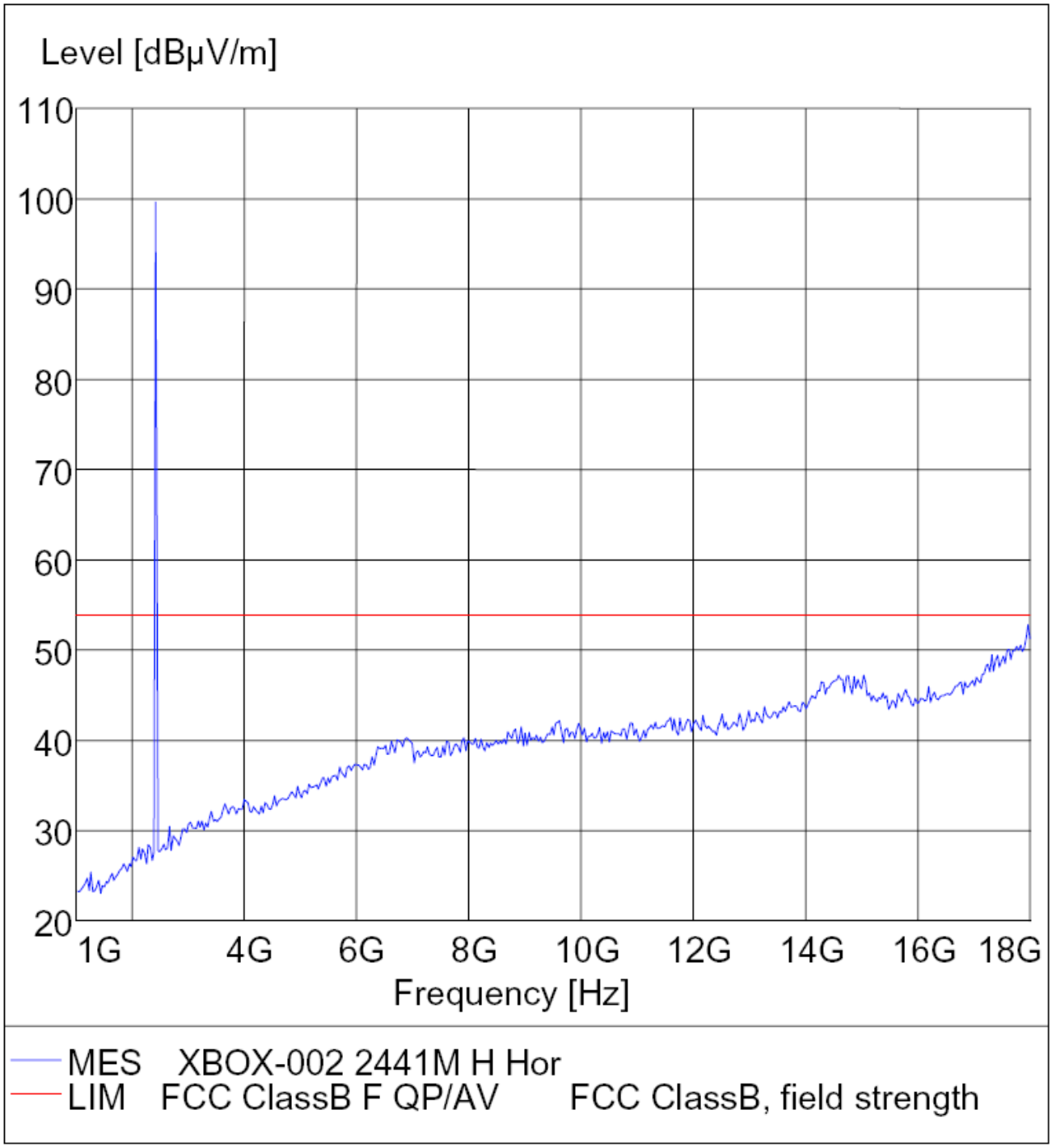
EUT: XBOX 2.4GHz Wireless Controller M/N:XBOX-002
Manufacturer: TECH ART ENTERPRISE LIMITED
Operating Condition: TX(2441MHz)
Test Site: ATC EMC Lab.SAC
Operator: Andy
Test Specification: Vertical
Comment: DC 4.5V
:



Radiated Disturbance

FCC Part15

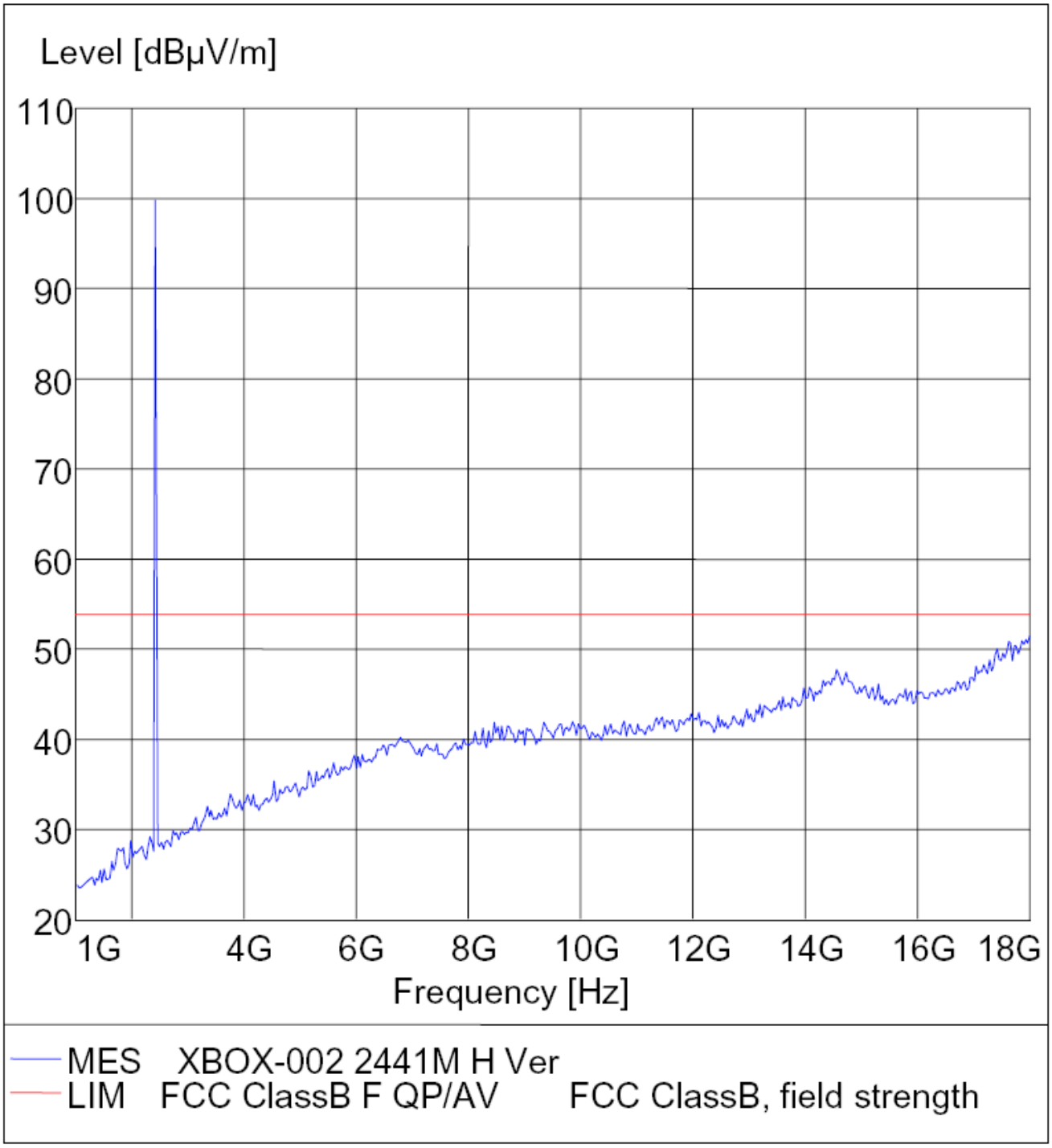
EUT: XBOX 2.4GHz Wireless Controller M/N:XBOX-002
Manufacturer: TECH ART ENTERPRISE LIMITED
Operating Condition: TX(2441MHz)
Test Site: ATC EMC Lab.SAC
Operator: Andy
Test Specification: Horizontal
Comment: DC 4.5V



Radiated Disturbance

FCC Part15

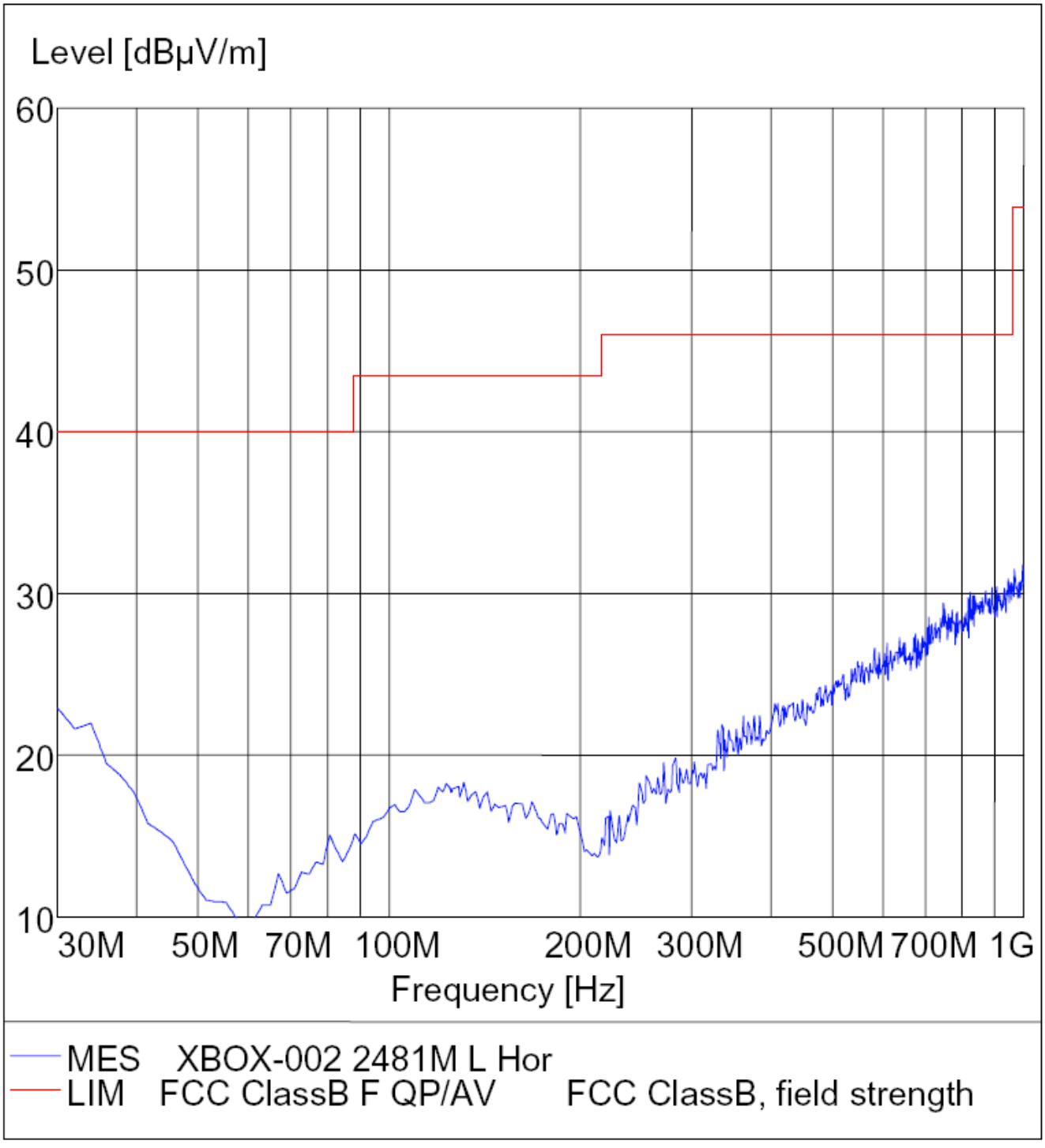
```
EUT: XBOX 2.4GHz Wireless Controller              M/N:XBOX-002
Manufacturer:       TECH ART ENTERPRISE LIMITED
Operating Condition: TX(2441MHz)
Test Site:          ATC EMC Lab.SAC
Operator:           Andy
Test Specification:  Vertical
Comment:            DC 4.5V
```



Radiated Disturbance

FCC Part15

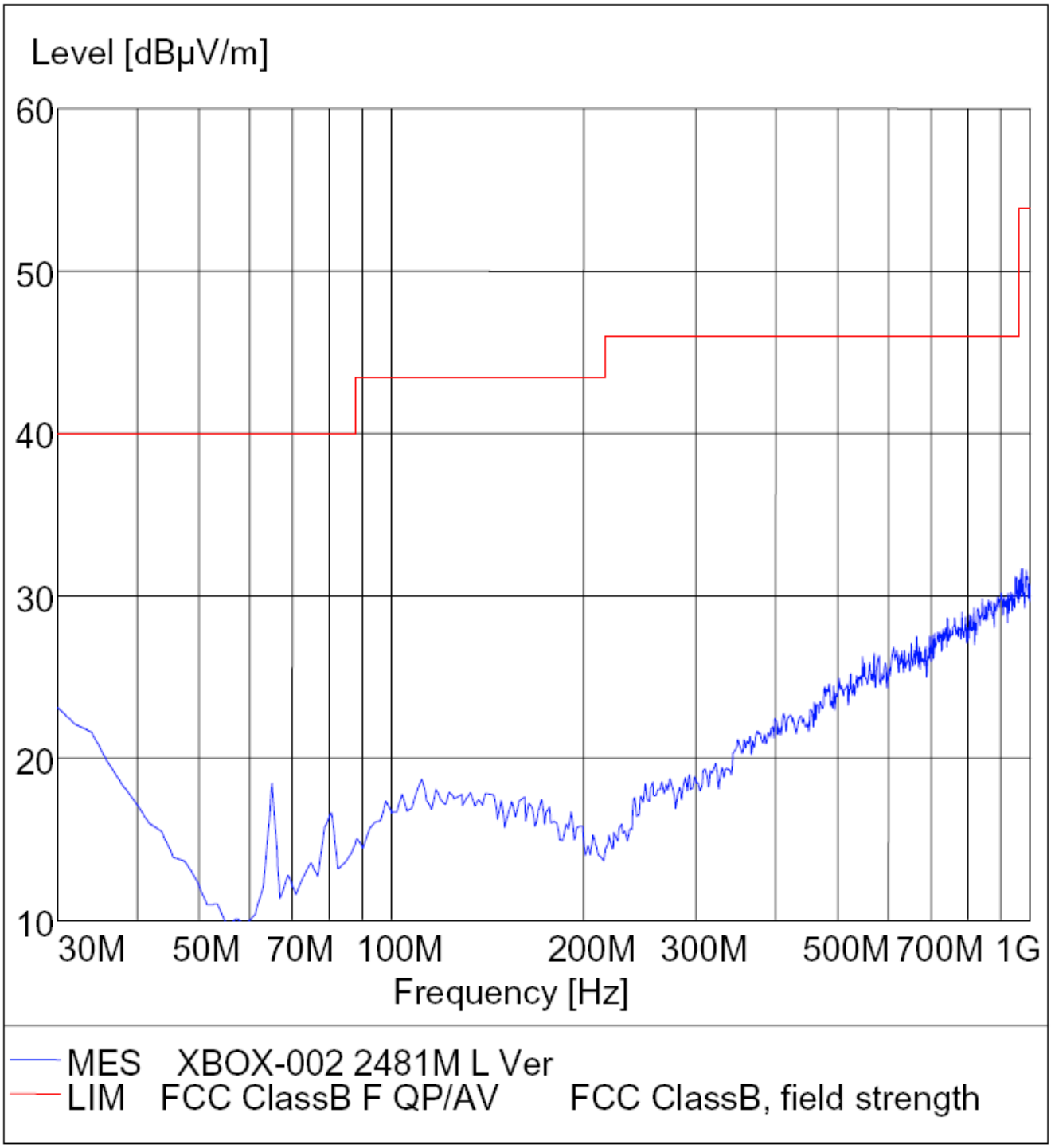
EUT: XBOX 2.4GHz Wireless Controller M/N:XBOX-002
Manufacturer: TECH ART ENTERPRISE LIMITED
Operating Condition: TX(2481MHz)
Test Site: ATC EMC Lab.SAC
Operator: Andy
Test Specification: Horizontal
Comment: DC 4.5V
:



Radiated Disturbance

FCC Part15

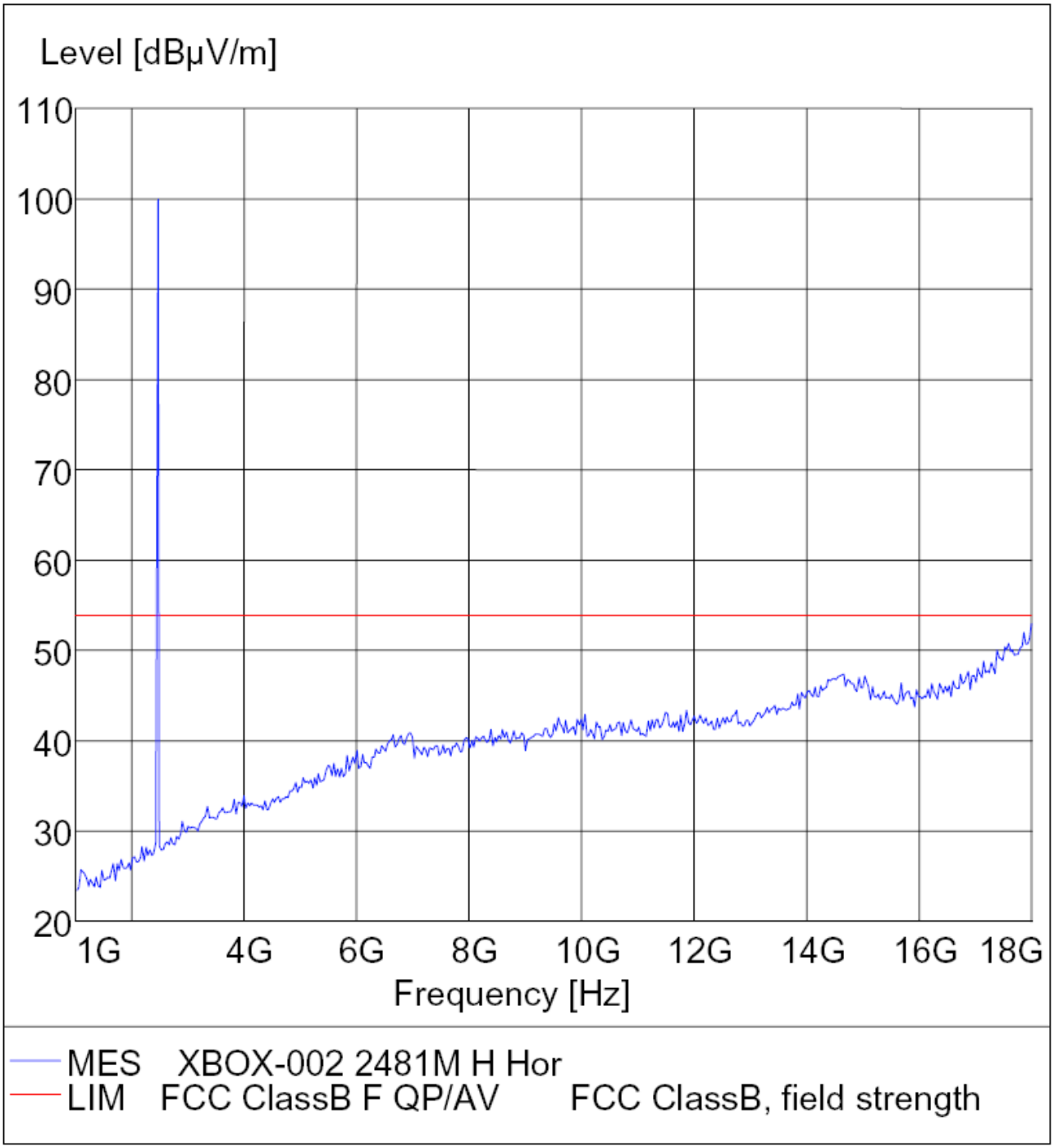
EUT: XBOX 2.4GHz Wireless Controller M/N:XBOX-002
Manufacturer: TECH ART ENTERPRISE LIMITED
Operating Condition: TX(2481MHz)
Test Site: ATC EMC Lab.SAC
Operator: Andy
Test Specification: Vertical
Comment: DC 4.5V
:



Radiated Disturbance

Fcc Part15

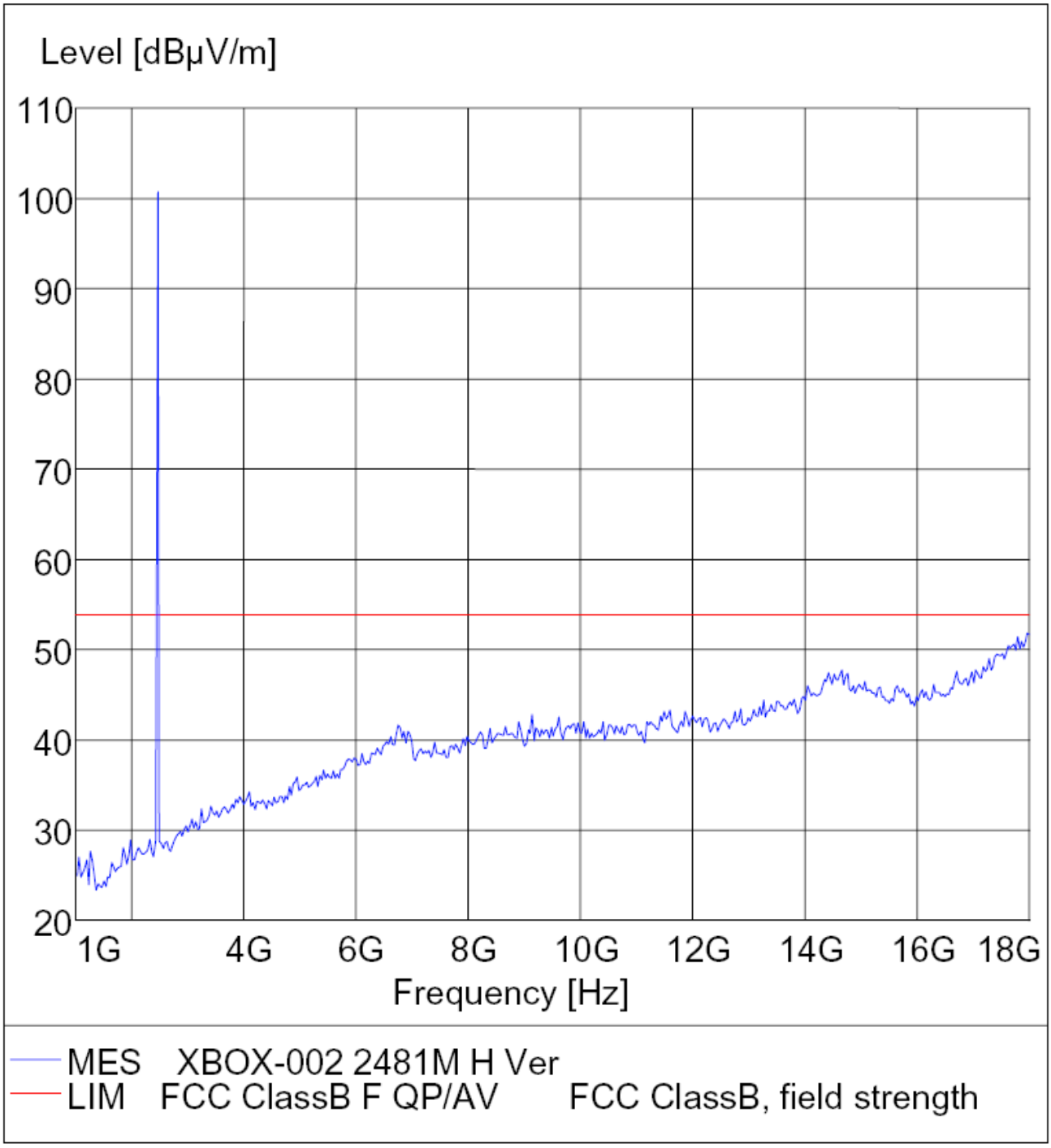
EUT:XBOX 2.4GHz Wireless CONTROLLER M/N:XBOX-002
Manufacturer: TECH ART ENTERPRISE LIMITED
Operating Condition: TX(2481MHz)
Test Site: ATC EMC Lab.SAC
Operator: Andy
Test Specification: Horizontal
Commend: DC 4.5V



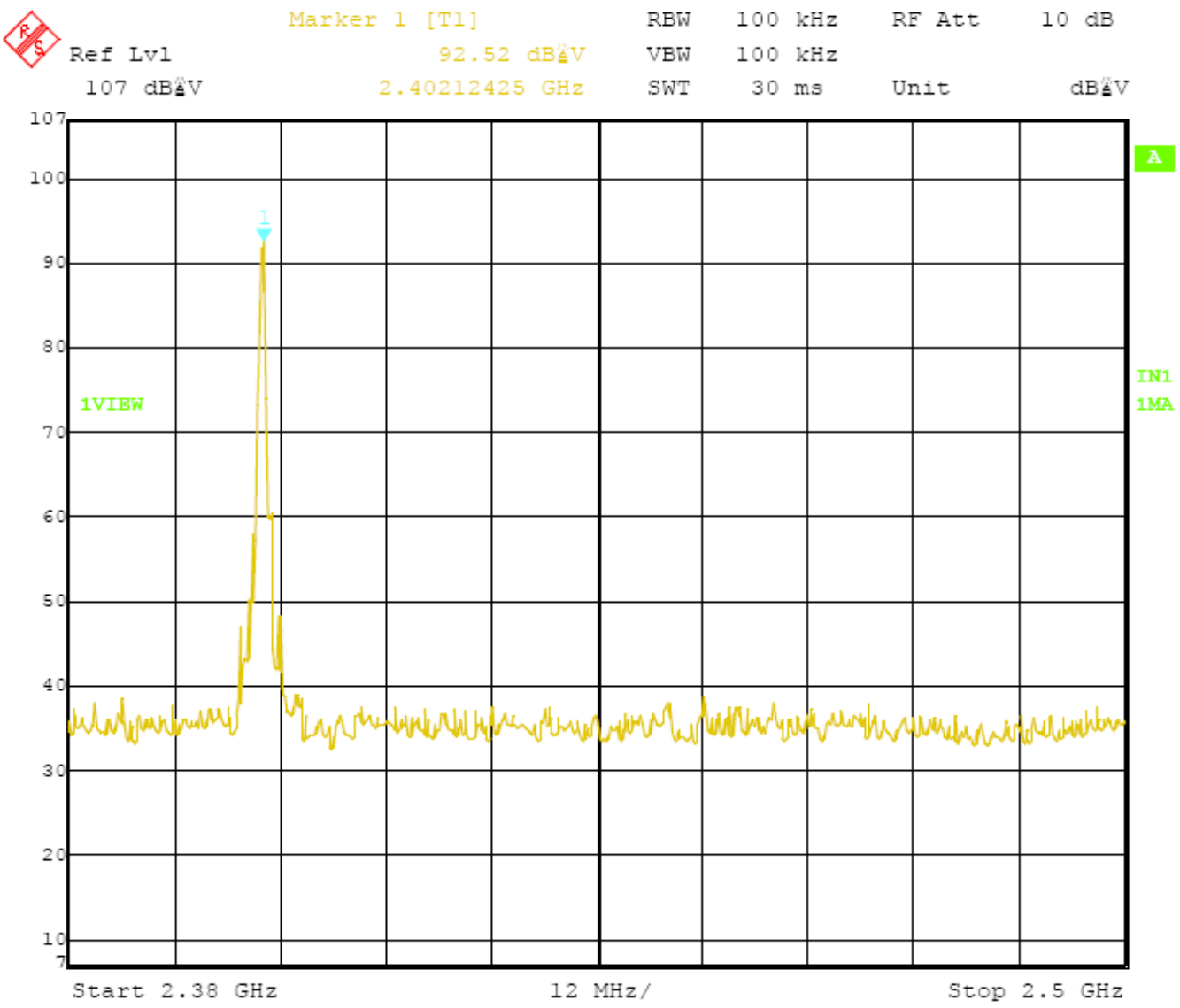
Radiated Disturbance

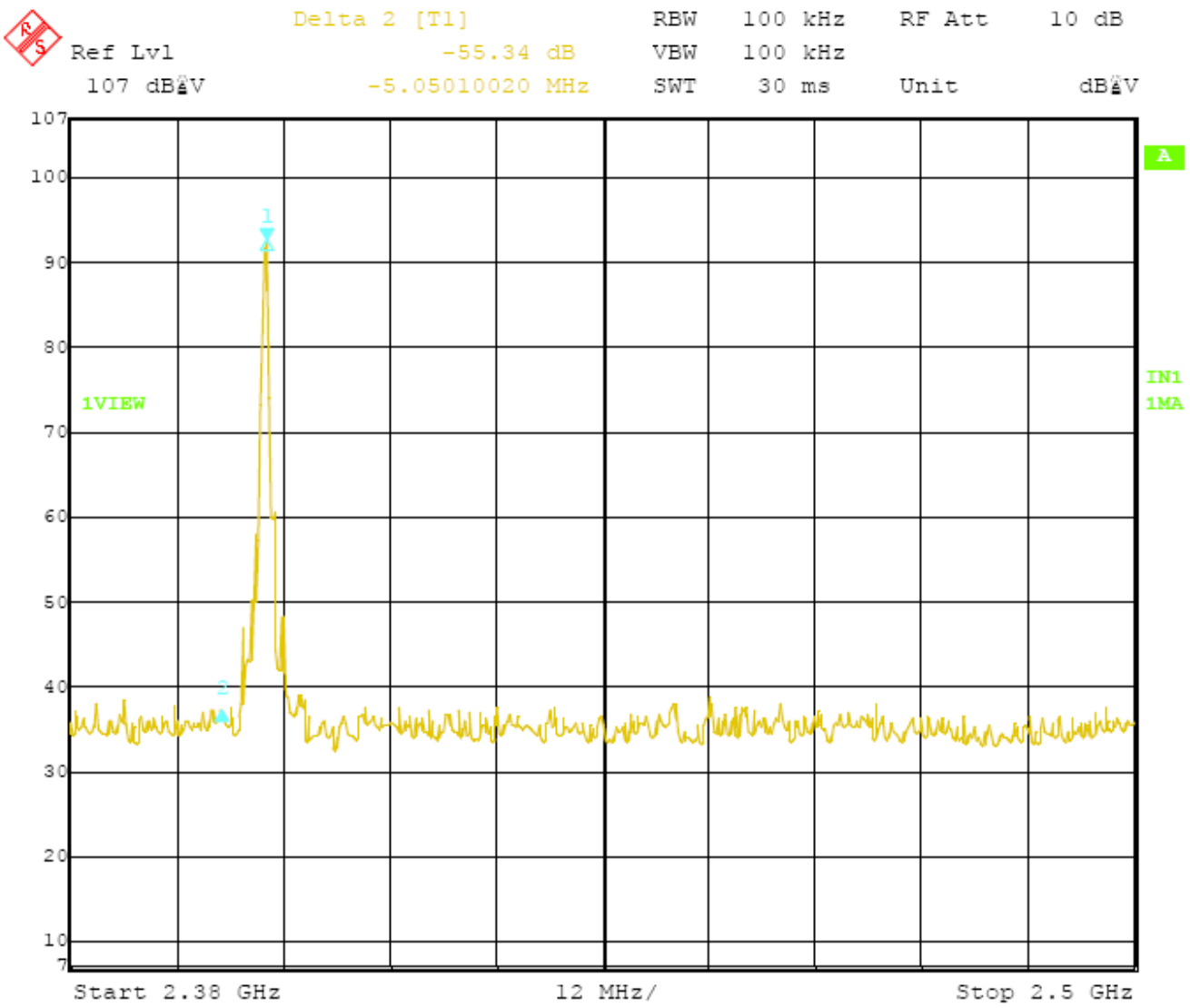
Fcc Part15

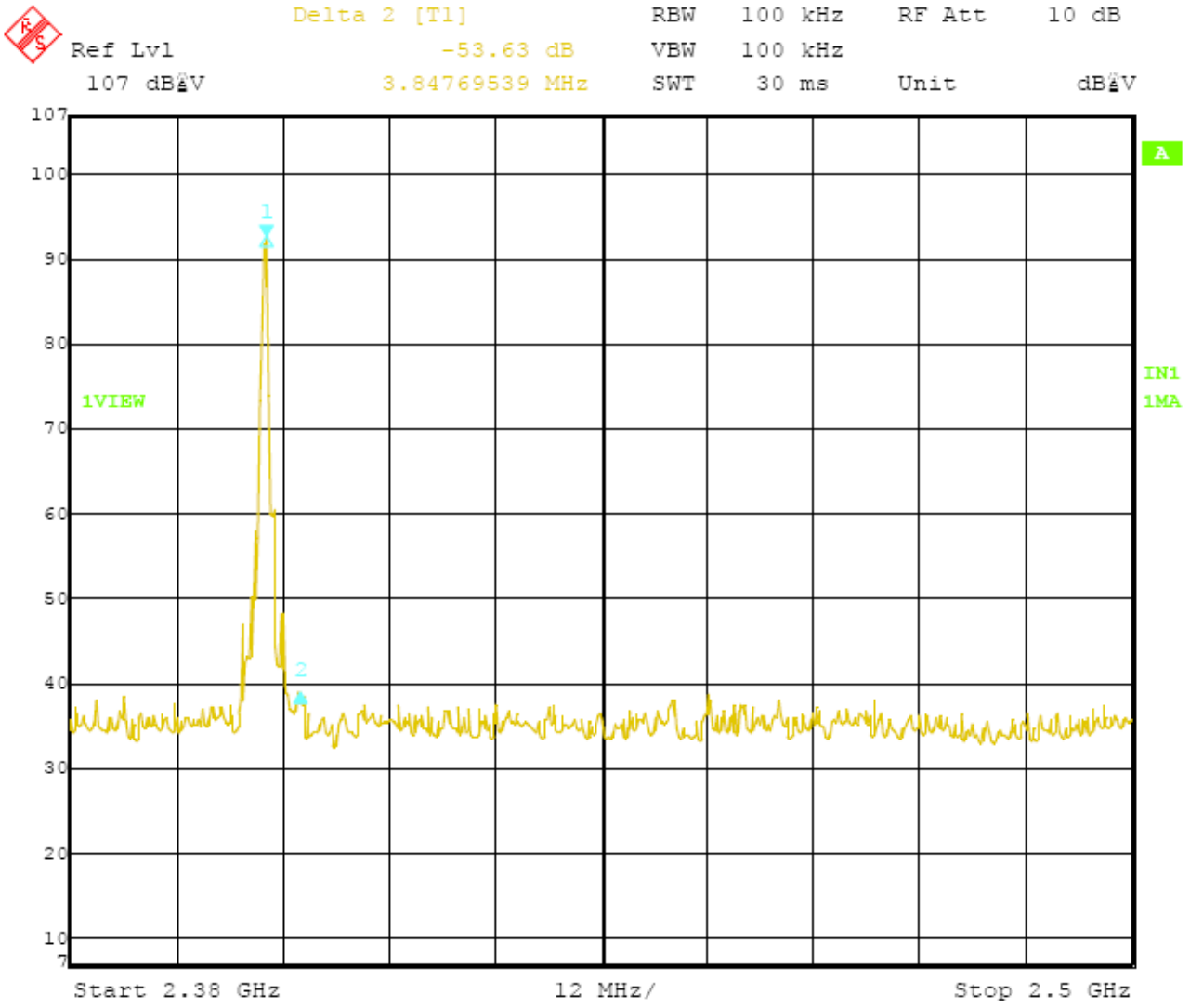
EUT:XBOX 2.4GHz Wireless Controller M/N: XBOX-002
Manufacturer: TECH ART ENTERPRISE LIMITED
Operating Condition: TX(2481MHz)
Test Site: ATC EMC Lab.SAC
Operator: Andy
Test Specification: Vertical
Commend: DC 4.5V

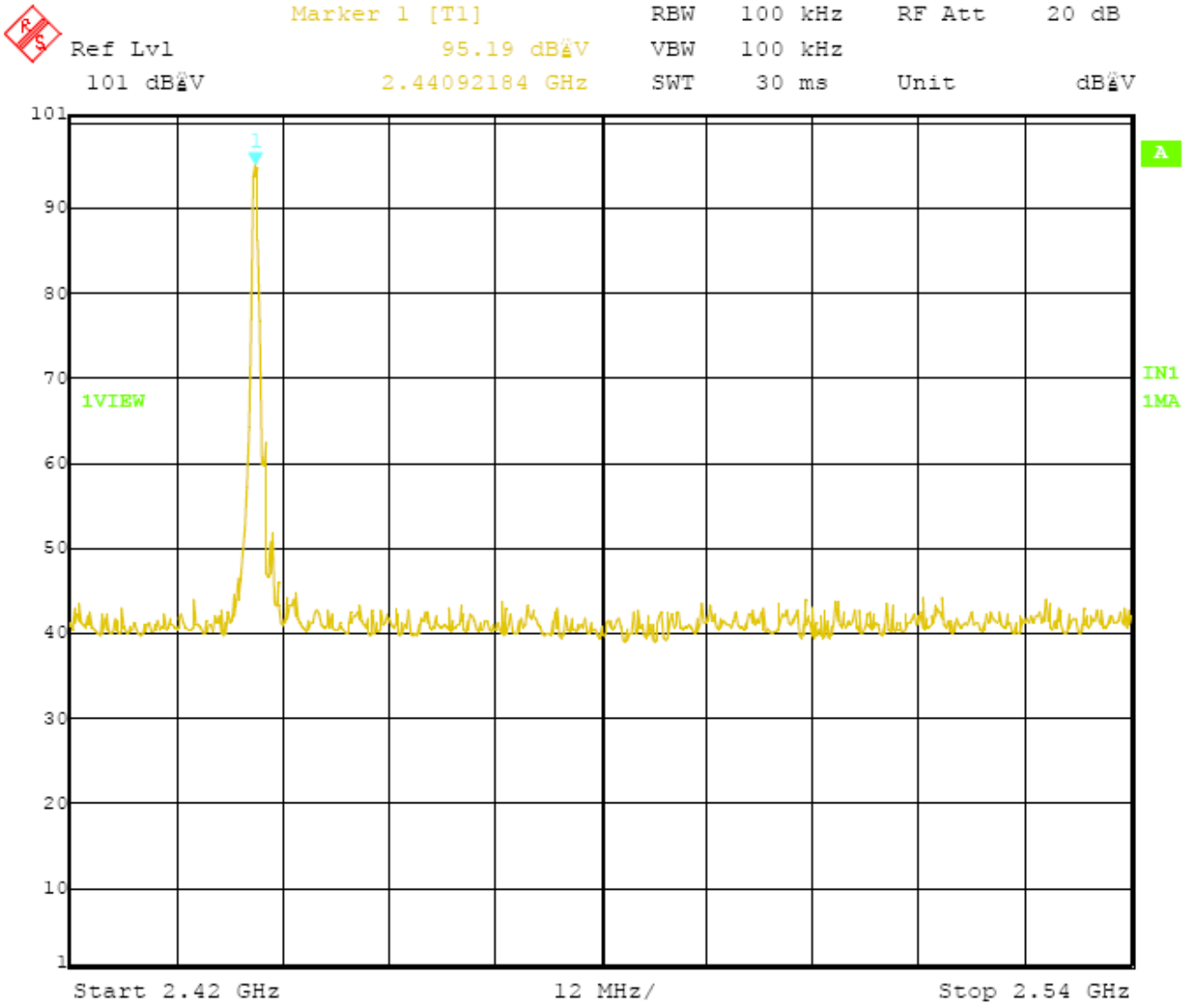


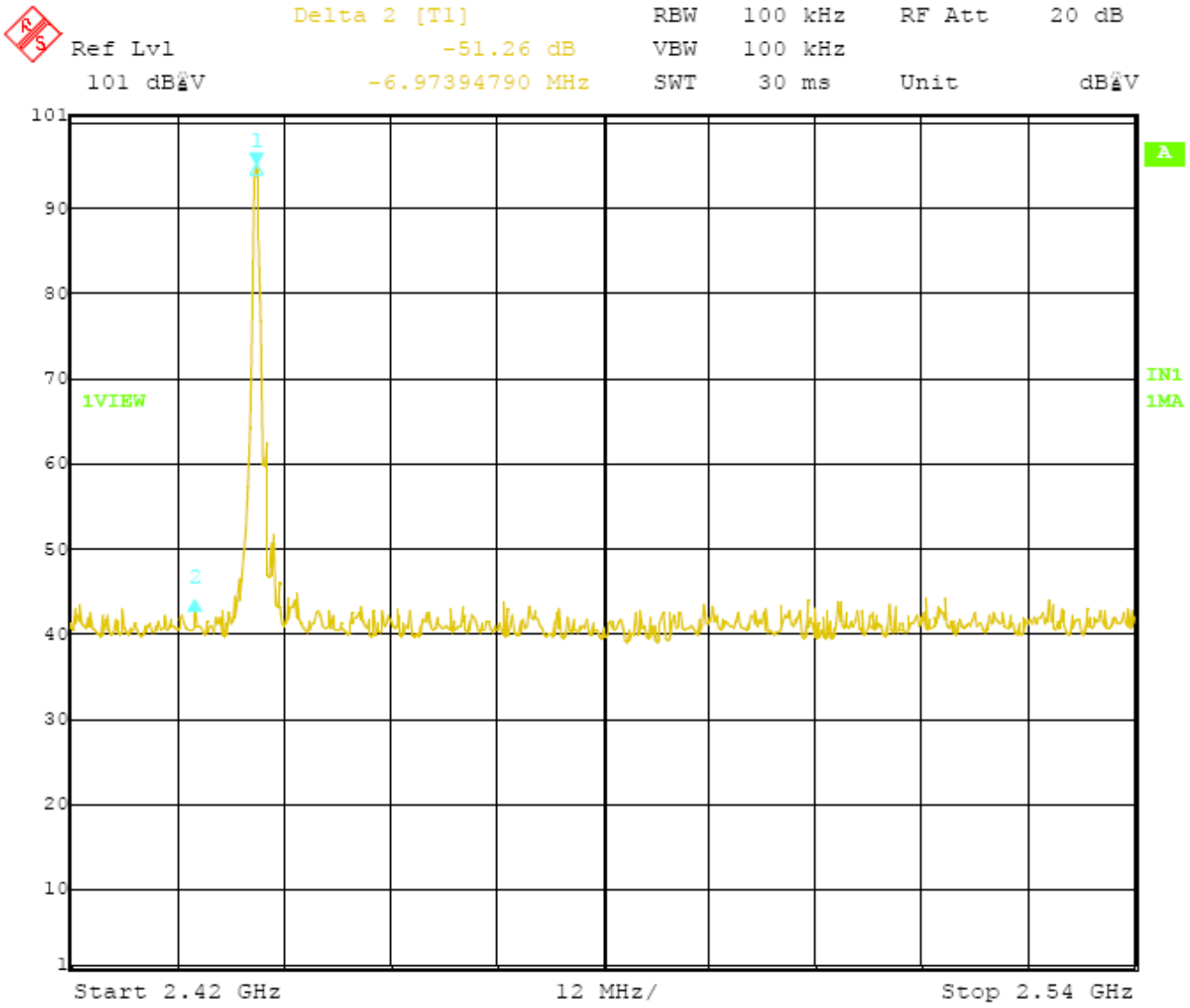
APPENDIX Ⅱ
(BAND EDGES)

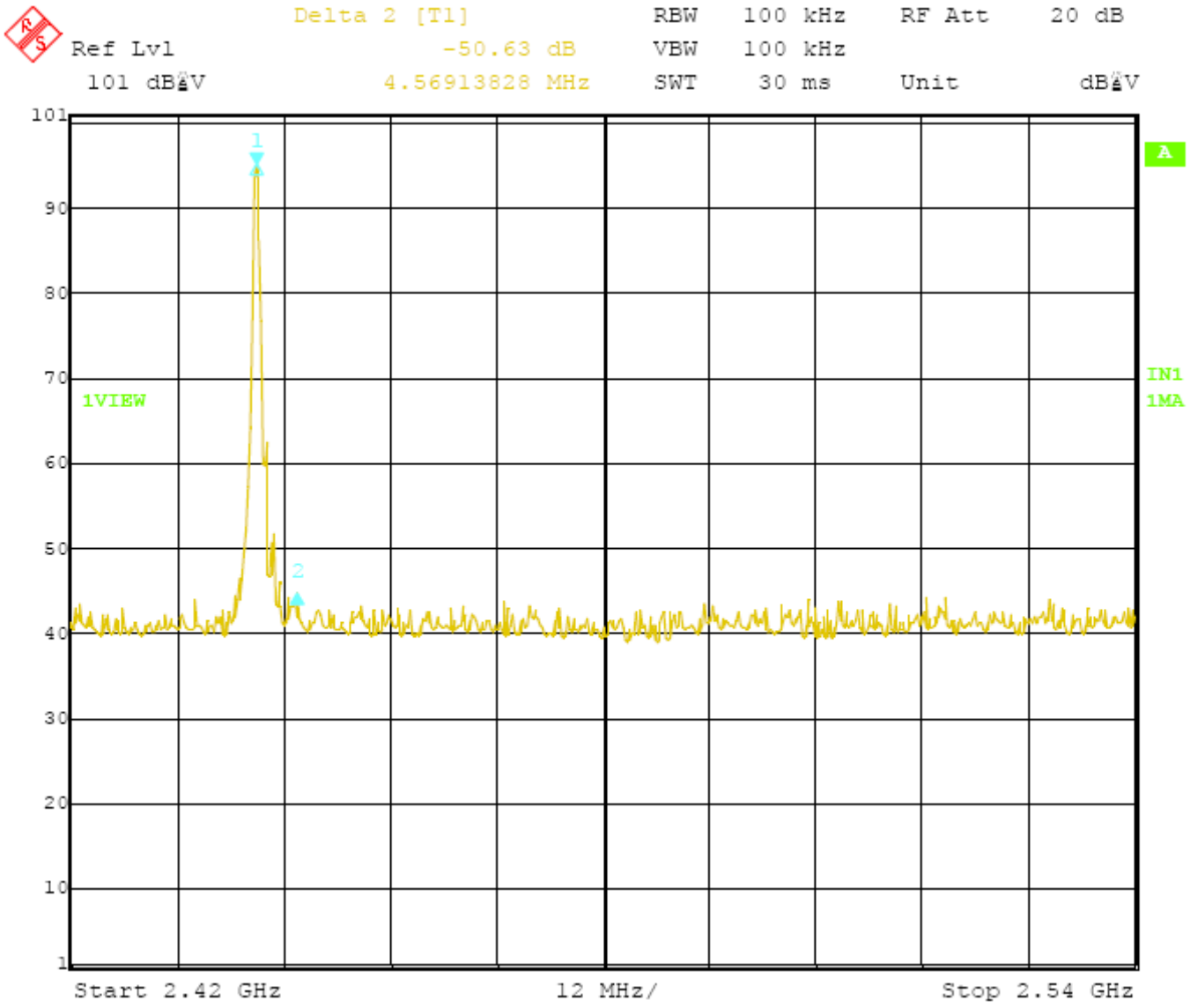

Marker 1 [T1]
RBW 100 kHz
RF Att 10 dB
Ref Lvl
92.52 dBµV
VBW 100 kHz
107 dBµV
2.40212425 GHz
SWT 30 ms
Unit dBµV
107
100
90
80
70
60
50
40
30
20
10
7
1VIEW
A
IN1
1MA
Start 2.38 GHz
12 MHz/
Stop 2.5 GHz

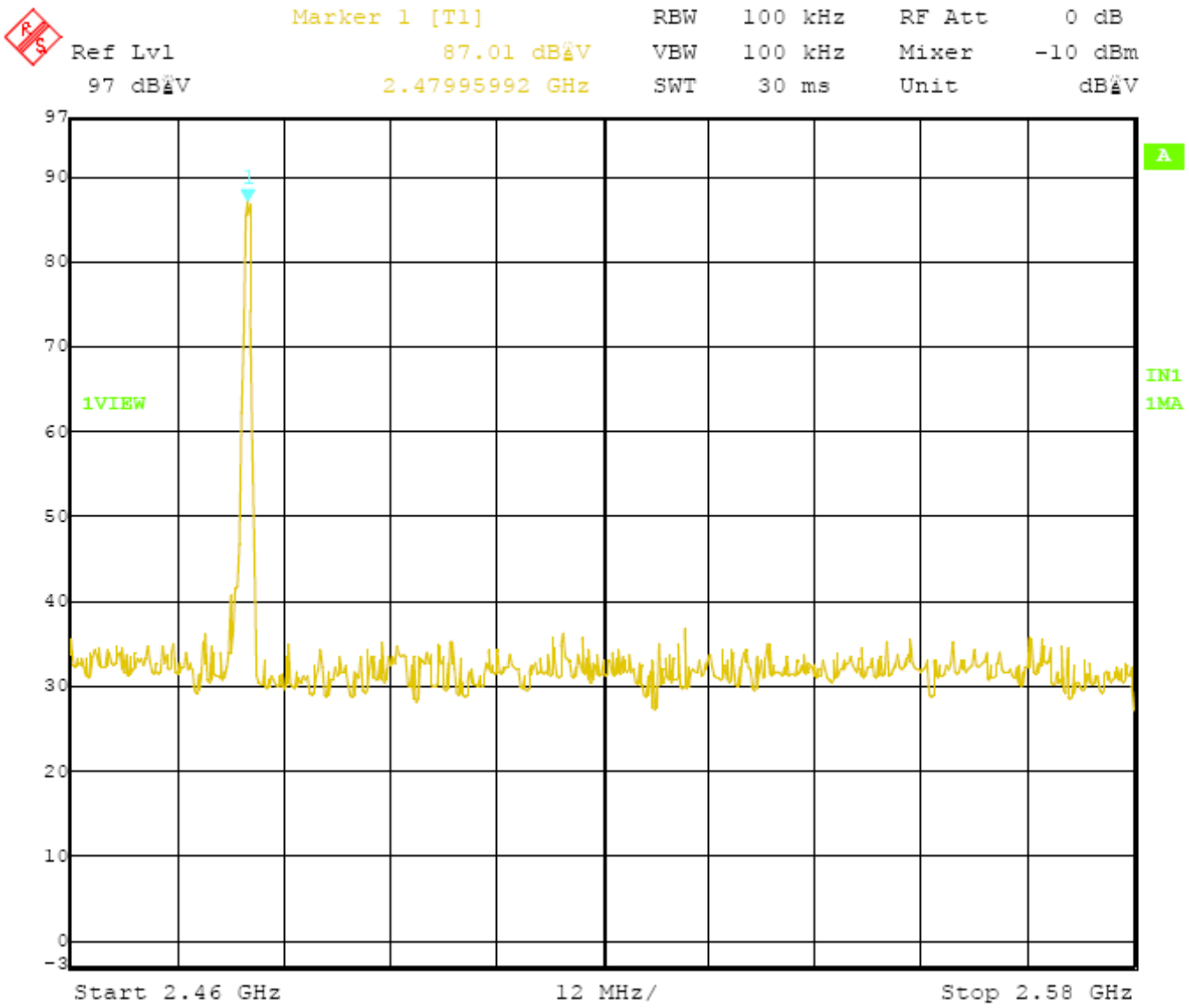

Delta 2 [T1]
RBW 100 kHz
RF Att 10 dB
Ref Lvl
-55.34 dB
VBW 100 kHz
107 dBµV
-5.05010020 MHz
SWT 30 ms
Unit dBµV
107
100
90
80
70
60
50
40
30
20
10
1VIEW
A
IN1
1MA
Start 2.38 GHz
12 MHz/
Stop 2.5 GHz

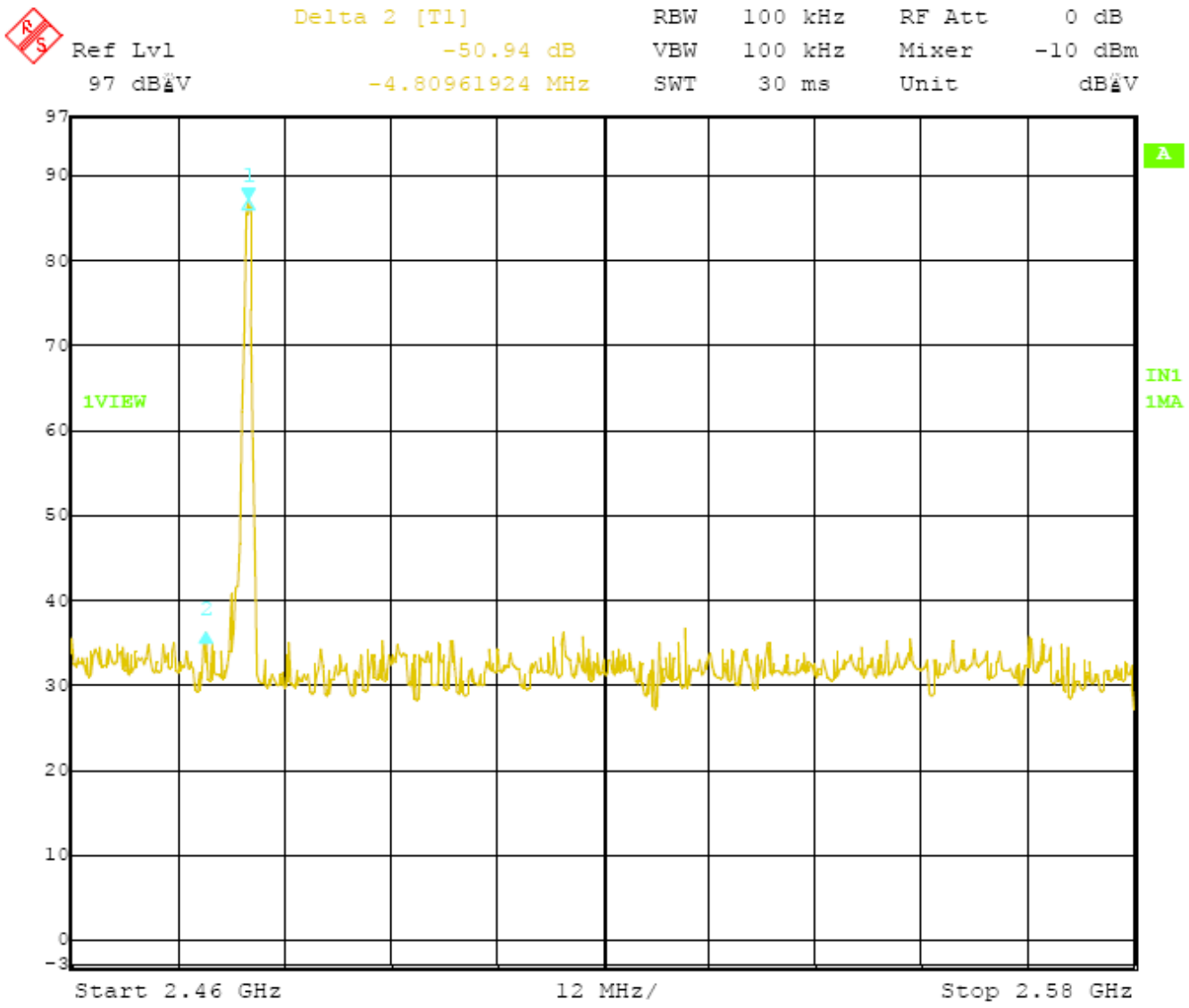

Delta 2 [T1]
RBW 100 kHz
RF Att 10 dB
Ref Lvl
-53.63 dB
VBW 100 kHz
107 dBµV
3.84769539 MHz
SWT 30 ms
Unit dBµV
107
100
90
80
70
60
50
40
30
20
10
7
1VIEW
A
IN1
1MA
Start 2.38 GHz
12 MHz/
Stop 2.5 GHz

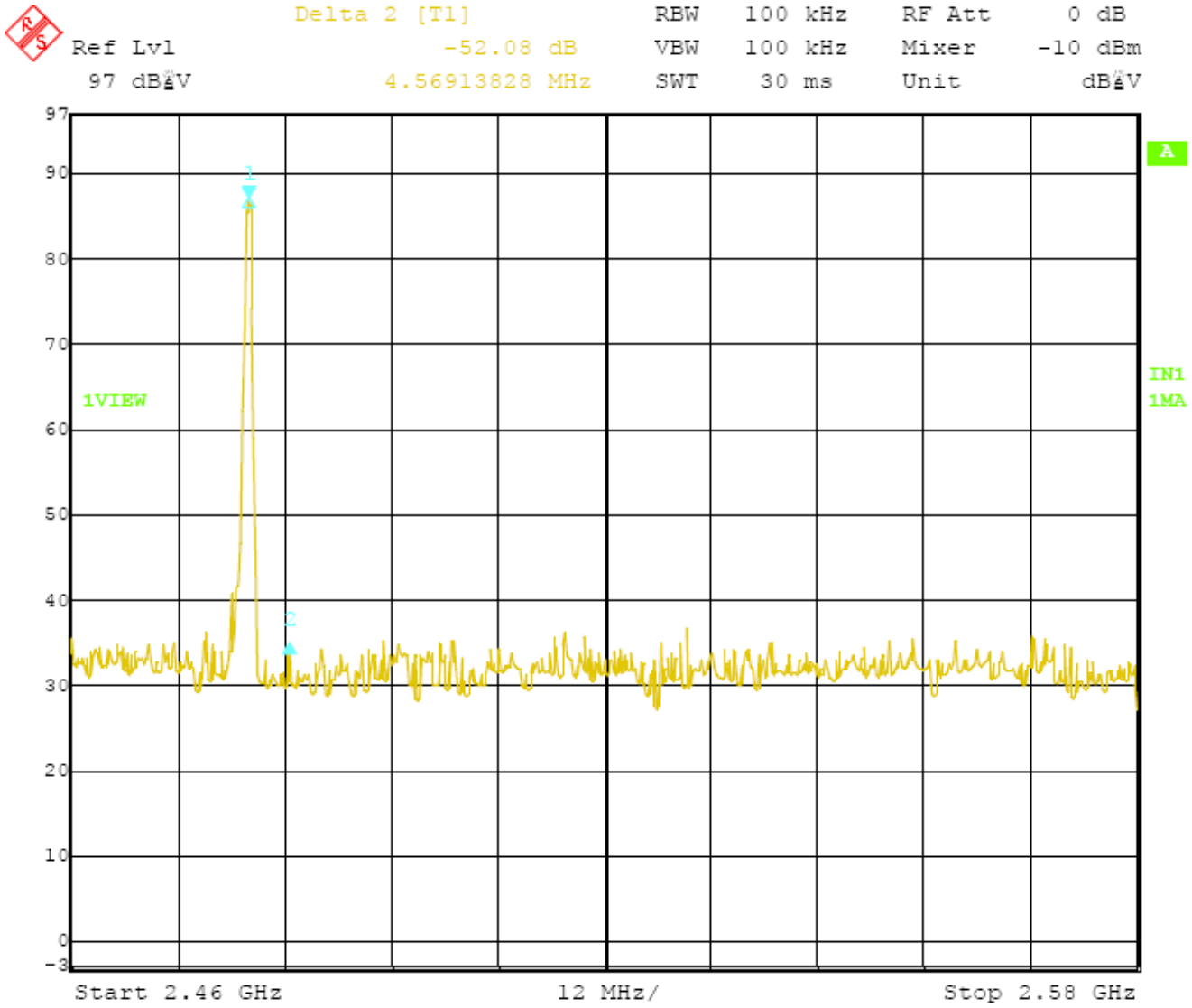

Marker 1 [T1]
RBW 100 kHz
RF Att 20 dB
Ref Lvl
95.19 dBµV
VBW 100 kHz
101 dBµV
2.44092184 GHz
SWT 30 ms
Unit dBµV
101
90
80
70
60
50
40
30
20
10
1
1VIEW
A
IN1
1MA
Start 2.42 GHz
12 MHz/
Stop 2.54 GHz


Delta 2 [T1]
RBW 100 kHz
RF Att 20 dB
Ref Lvl
-51.26 dB
VBW 100 kHz
101 dBµV
-6.97394790 MHz
SWT 30 ms
Unit dBµV
101
90
80
70
60
50
40
30
20
10
1
1VIEW
A
IN1
1MA
Start 2.42 GHz
12 MHz/
Stop 2.54 GHz


Delta 2 [T1]
-50.63 dB
4.56913828 MHz
RBW 100 kHz
VBW 100 kHz
SWT 30 ms
RF Att 20 dB
Unit dBµV
Ref Lvl
101 dBµV
101
90
80
70
60
50
40
30
20
10
1
1VIEW
1
2
A
IN1
1MA
Start 2.42 GHz
12 MHz/
Stop 2.54 GHz


Marker 1 [T1]
RBW 100 kHz
RF Att 0 dB
Ref Lvl
87.01 dBµV
VBW 100 kHz
Mixer -10 dBm
97 dBµV
2.47995992 GHz
SWT 30 ms
Unit dBµV
97
90
80
70
60
50
40
30
20
10
0
-3
1VIEW
A
IN1
1MA
Start 2.46 GHz
12 MHz/
Stop 2.58 GHz


Delta 2 [T1]
RBW 100 kHz
RF Att 0 dB
Ref Lvl
-50.94 dB
VBW 100 kHz
Mixer -10 dBm
97 dBµV
-4.80961924 MHz
SWT 30 ms
Unit dBµV
97
90
80
70
60
50
40
30
20
10
0
-3
1VIEW
A
IN1
1MA
Start 2.46 GHz
12 MHz/
Stop 2.58 GHz


Delta 2 [T1]
-52.08 dB
4.56913828 MHz
RBW 100 kHz
VBW 100 kHz
SWT 30 ms
RF Att 0 dB
Mixer -10 dBm
Unit dBµV
Ref Lvl
97 dBµV
97
90
80
70
60
50
40
30
20
10
0
-3
1VIEW
A
IN1
1MA
Start 2.46 GHz
12 MHz/
Stop 2.58 GHz