

## Test Report

### 47 CFR FCC Part 15 subpart C Intentional Radiators

**Report reference no.** : 28112302 009

**FCC Designation Number** : IT0008

**FCC Test Firm Registration #** : 804595

**Tested by (name + signature)** :

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**Approved by (name + signature)** :

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**Applicant's name** : Flextronics International Sweden AB

**Address** : Datalinjen 3A – SE538 30 Linköping – Sweden

**Test item description** : IoT rapid prototyping platform for development within Low Power Wide Area Network Technologies.

**Trade Mark** : FLEX

**Manufacturer** : Flextronics

**Model/Type reference** : iENBL111B

**FCC ID** : 2AF5R-iENBL111B

**Ratings** : Internal rechargeable battery 3,7V dc

**Sample** :

**Samples received on** : 06/11/2018

**TUV reference samples** : 180737 (sampled by the customer)

**Samples tested n.** : 1 with integral antenna and 1 with RF connector

**Testing** :

**Start Date** : 15/01/2019

**End Date** : 24/01/2019

*The results in this Test Report are exclusively referred to the tested samples. Without the written authorization of TÜV Rheinland Italia S.r.l., this document can be reproduced only integrally*

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**RELEASE CONTROL RECORD**

Test report Number	Reason of change	Date of Issue
28112302 003	Original release	2019-02-04
28112302 009	Remove RF exposure test; modified KDB version; modified limit in test "100 kHz Bandwidth of Frequency Band Edges"	2019-10-07

**1. Reference Standards**

Standard	Description
FCC Part 15 (Subpart C)	§15.247 Operation within the bands 902-928 MHz, 2400-2483,5 MHz, and 5725-5850 MHz.
FCC Part 15 (Subpart C)	§15.207 Conducted Limits
FCC Part 15 (Subpart C)	§15.209 Radiated emission limits; general requirements
FCC Part 15 (Subpart C)	§15.203 Antenna Requirement
ANSI C63.4:2014	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
ANSI C63.10:2013	American National Standard for Testing Unlicensed Wireless Devices
558074 D01 DTS Meas Guidance v05r02 - April 2,2019	Guidance for performing compliance measurements on digital transmission systems (DTS) operating under §15.247

## 2. Summary of testing

§ 15.203	Antenna Requirements	PASS
§ 15.247 (b)(4)(i)		
§ 15.207 (a)	Power Line Conducted Emission	N.A. <sup>1</sup>
§ 15.209 (a) (f)	Radiated Emission	PASS
§ 15.215 (a) (b) (c)	Additional provisions to the general radiated emission limitations	PASS
§ 15.247 (a)	Frequency Hopping Spread Spectrum Specifications:	
§ 15.247 (a) (1)	20 dB Bandwidth	N.A. <sup>2</sup>
§ 15.247 (a) (1) (i)	Number of Hopping Channels Used, Carrier frequency Separation and Time occupancy in band 902÷908MHz	N.A. <sup>2</sup>
§ 15.247 (a) (1) (ii)	Number of Hopping Channels Used, Carrier frequency Separation and Time occupancy in band 5725÷ 5850 MHz	N.A. <sup>2</sup>
§ 15.247 (a) (1) (iii)	Number of Hopping Channels Used, Carrier frequency Separation and Time occupancy in band 2400÷2483,5 MHz	N.A. <sup>2</sup>
§ 15.247 (a) (2)	6dB Minimum Bandwidth for systems using digitally modulation	PASS
§ 15.247 (b)	Maximum Peak Output Power:	
§ 15.247 (b) (1)	Peak Output Power (conducted) in band 2400÷2483,5 MHz and 5725÷ 5850 MHz (Hopping systems)	N.A. <sup>2</sup>
§ 15.247 (b) (2)	Peak Output Power (conducted) in band 902÷908MHz (Hopping systems)	N.A. <sup>2</sup>
§ 15.247 (b) (3)	RF power output (conducted) for systems using digitally modulation	PASS
§ 15.247 (b) (4)	Antenna gain	<6dBi
§ 15.247 (c)	Operation with directional antenna gains greater than 6 dBi	N.A. <sup>3</sup>
§ 15.247 (d)	Out-of-band emissions	PASS
§ 15.247 (d)	100 kHz Bandwidth of Frequency Band Edges	PASS
§ 15.247 (e)	Power Spectral Density	PASS
§ 15.247 (f)	Hybrid systems	N.A. <sup>4</sup>
§ 15.247 (g)	FHSS Transmission characteristics	N.A. <sup>2</sup>
§ 15.247 (h)	Recognition of occupied channel and multiple transmission system	N.A. <sup>2</sup>

<b>Note 1</b>	Equipment supplied with internal battery; no connection to AC Main Power.
<b>Note 2</b>	Not applicable for DTS equipment
<b>Note 3</b>	Antenna Gain <6dBi
<b>Note 4</b>	No hybrid system



**Test Report nr.**

**28112302 009**



**LAB N° 1356**

Report No. 28112302 009

**Possible test case verdicts:**

- test case does not apply to the test object....: N/A
- test object does meet the requirement.....: PASS
- test object does not meet the requirement ...: FAIL

**General remarks:**

**The test results presented in this report relate only to the object tested.**

**The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.**

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"(see Enclosure #)" refers to additional information appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

### 3. General product information

IoT rapid prototyping platform for development within Low Power Wide Area Network Technologies.

### 4. General Chipset information

**Chipset type:** Espressif ESP8285

### 5. General Antennas information

Planar inverted F-antenna (PCB trace); Gain: +2.44 dBi

## 6. Equipment Used During Test

Use*	Product Type	Manufacturer	Model	Comments
EUT	IoT rapid prototyping platform for development within Low Power Wide Area Network Technologies.	FLEX	iENBL111B	---
AE	PC	DELL	---	Used to set Wi-Fi Module

Note:

\* Use :

EUT - Equipment Under Test,  
AE - Auxiliary/Associated Equipment, or  
SIM - Simulator (Not Subjected to Test)

No other Auxiliary/Associated Equipment was connected/installed on the EUT

## 7. Input/Output Ports

### CONNECTIONS

Port		Description	Connection	Cable lenght
1	Enclosure	Non conductive surface	Closed by 4 metallic screws	---
2	AC Power Port	Port not present		
3	DC Power Port	DC	Internal rechargeable battery 3,7V	---
*Note: AC = AC Power Port DC = DC Power Port N/E = Non-Electrical I/O = Signal Input or Output Port (Not Involved in Process Control) WN = Wired Network				

## 8. Power Interface

Mode #	Voltage (V)	Current (A)	Power (W)	Frequency (DC/AC-Hz)	Phases (#)	Comments
Rated	3,7 dc	---	---	DC	---	---

## 9. EUT Operation Modes

Operation mode	Description
#1	<p>Continuous WI-FI Modulation RF Transmission (DTS)</p> <p>RF setting during tests: Frequency: 2412MHz (low channel); 2437MHz (mid channel); 2462MHz (high channel); Modulation: 802.11b (data rate 1Mbit/s, 2Mbit/s, 5,5Mbit/s and 11Mbit/s) Power setting: channel 1 and 11 <math>\Rightarrow</math> 12 (-3db to maximum level) others channels <math>\Rightarrow</math> 0 (maximum level) Duty cycle: 89%</p>
#2	<p>Continuous WI-FI Modulation RF Transmission (DTS)</p> <p>RF setting during tests: Frequency: 2412MHz (low channel); 2437MHz (mid channel); 2462MHz (high channel); Modulation: 802.11g (data rate 6Mbit/s, 9Mbit/s, 12Mbit/s, 18Mbit/s, 24Mbit/s, 36Mbit/s, 48Mbit/s, 54Mbit/s) Power setting: channel 1 and 11 <math>\Rightarrow</math> 12 (-3db to maximum level) others channels <math>\Rightarrow</math> 0 (maximum level) Duty cycle: 87%</p>
#3	<p>Continuous WI-FI Modulation RF Transmission (DTS)</p> <p>RF setting during tests: Frequency: 2412MHz (low channel); 2437MHz (mid channel); 2462MHz (high channel); Modulation: 802.11n 20MHz bandwidth (data rate MCS0, MCS1, MCS2, MCS3, MCS4, MCS5, MCS6, MCS7) Power setting: channel 1 and 11 <math>\Rightarrow</math> 12 (-3db to maximum level) others channels <math>\Rightarrow</math> 0 (maximum level) Duty cycle: 86%</p>



**Wi-Fi frequency (Transmission) DTS – Declared by applicant**

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	<b>2412 MHz</b>	2	2417 MHz	3	2422 MHz	4	2427 MHz
5	2432 MHz	6	<b>2437 MHz</b>	7	2442 MHz	8	2447 MHz
9	2452 MHz	10	2457 MHz	11	<b>2462 MHz</b>		

## 10. EUT Configuration Modes

### Description

iENBL111B supplied with internal battery (fully charged)

Par.	test	EUT Operation Modes
§ 15.203	Antenna Requirements	#1 #2 #3
§ 15.247 (b) (4) (i)		
§ 15.209 (a) (f)	Radiated Emission 9kHz-30MHz	#1 #2 #3
§ 15.209 (a) (f)	Radiated Emission 30MHz-1GHz	#1 #2 #3
§ 15.209 (a) (f)	Radiated Emission 1GHz-2,31GHz	#1 #2 #3
§ 15.209 (a) (f)	Radiated Emission 2,31GHz-2,5GHz	#1 #2 #3*
§ 15.209 (a) (f)	Radiated Emission 2,5GHz-26,5GHz	#1 #2 #3
§ 15.215 (a) (b) (c)	Additional provisions to the general radiated emission limitations	#1 #2 #3
§ 15.247 (a) (2)	6 dB minimum Bandwidth	#1 #2 #3
§ 15.247 (b) (3)	RF power output (conducted) for systems using digitally modulation	#1 #2 #3**
§ 15.247 (d)	Out-of-band emissions	#1 #2 #3
§ 15.247 (d)	100 kHz Bandwidth of Frequency Band Edges	#1 #2 #3
§ 15.247 (e)	Power Spectral Density	#1 #2 #3

<b>Note *</b>	This test has been executed with all data rates; condition with maximum level of fundamental measured, has been used in the fully range 9kHz – 26,5GHz (radiated emission and radiated band edge)
<b>Note **</b>	This test has been executed with all data rates; condition with maximum level of fundamental measured, has been used in the test § 15.247 (d) and § 15.247 (e) (conducted emission)

The field strength is calculated by subtracting the Amplifier Gain and adding the Cable Loss and Antenna Correction Factor to the measured reading. The basic equation is as follows:

$$\text{Field Strength (dB}\mu\text{V/m)} = \text{RAW} - \text{AMP} + \text{CBL} + \text{ACF}$$

Where: RAW = Measured level before correction (dB $\mu$ V)

AMP = Amplifier Gain (dB)

CBL = Cable Loss (dB)

ACF = Antenna Correction Factor (dB/m)

$$\mu\text{V/m} = 10^{\frac{\text{dB}\mu\text{V/m}}{20}}$$

Sample radiated emissions calculation @ 30 MHz

Measurement +Antenna Factor–Amplifier Gain+Cable loss=Radiated Emissions (dB $\mu$ V/m)

$$25 \text{ dB}\mu\text{V/m} + 17.5 \text{ dB} - 20 \text{ dB} + 1.0 \text{ dB} = 23.5 \text{ dB}\mu\text{V/m}$$

## 11. Test Conditions and Results

11.1 TEST: Antenna requirements		PASS
Parameters required prior to the test	Laboratory Ambient Temperature (°C)	15 to 35 °C
	Relative Humidity (%)	30 to 60 %
Parameters recorded during the test	Laboratory Ambient Temperature (°C)	21°C
	Relative Humidity (%)	56%
	Air pressure (hPa)	1020
—	Power Supply / Frequency	Application Point
Fully configured sample tested at the power line frequency	+3,7V dc	Enclosure
Equipment mode:	Operation mode	#1 #2 #3
FCC Standard	§15.203 § 15.247 (B) (4) (I)	
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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.		
Antenna specifications		
N° of authorized antenna types	1	
Antenna type	Planar inverted F-antenna (PCB trace)	
Maximum total gain	+2.44 dBi	
External power amplifiers	Not present	

## 11.2 TEST: Radiated Emission

**PASS**

Parameters required prior to the test	Laboratory Ambient Temperature (°C)	15 to 35 °C
	Relative Humidity (%)	30 to 60 %
Parameters recorded during the test	Laboratory Ambient Temperature (°C)	22°C
	Relative Humidity (%)	54%
	Air pressure (hPa)	1020
—	Power Supply / Frequency	Application Point
Fully configured sample tested at the power line frequency	+3,7V dc	Enclosure
Equipment mode:	Operation mode	#1 #2 #3
FCC Standard	§15.205; §15.209; §15.247	

Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table :

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

\*\*Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§15.231 and 15.241.

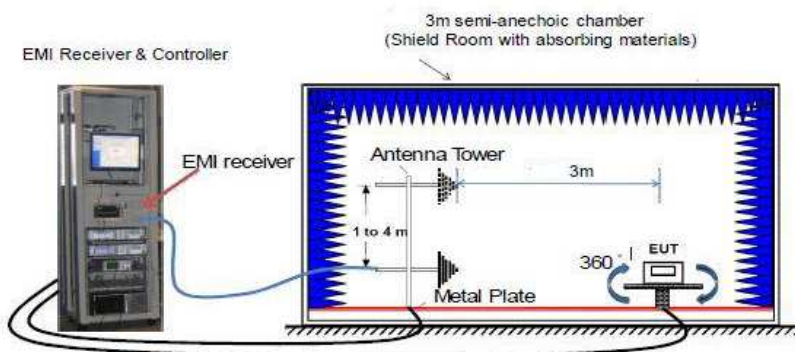
Remark: In accordance with part 15.31 (f) (2), where the measurement distance was specified to be 30 or 300 meters, a correction factor was applied in order to permit measurement to be performed at a separation distance. The applied formula for limits at 3 meter is:

Limit 3m(dBµV/m)=Limit 300m(dBµV/m)+40Log(300m/3m) (Below 30MHz)

Limit 3m(dBµV/m)=Limit 30m(dBµV/m)+40Log(30m/3m) (Below 30MHz)

Further information to test setup.

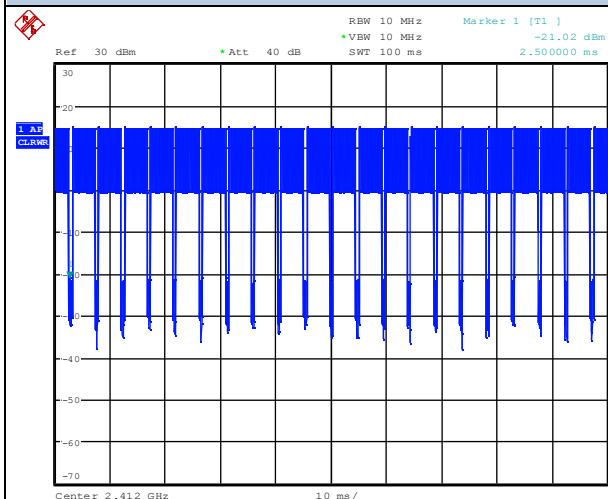
For frequencies above 1GHz, the anechoic material is also placed on the metallic floor between EUT and Antenna



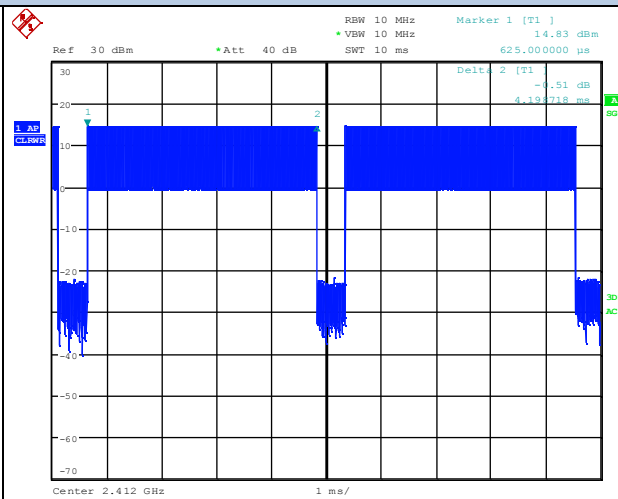
Test Equipment Used					
Description	Manufacturer	Model	Identifier	Calibration date	Calibration due
CSSA	ETS Lindgren	FACT3	2926063	05/2017	05/2019
EMI Test Receiver	R&S	ESU 40	2782345	05/2018	05/2019
Loop Antenna	EMCO	6512	2782356	02/2017	02/2020
Antenna BiConiLog	ETS Lindgren	3124E-PA	2782348	04/2017	04/2020
Antenna Horn with Preamplifier	ETS Lindgren	3117-PA	2782349	04/2017	04/2020
Antenna Horn	ETS Lindgren	114514	2782350	05/2017	05/2020
Highpass Filter	Wainwright Instr.	WHKX10-2520-2800	2782704	05/2018	05/2019

Test Method Used
<b>According to Par. 8.6 of KDB 558074 D01 15.247 Meas Guidance v05r02 (and par. 11.12.1 Radiated emission measurements of ANSI C63.10)</b>

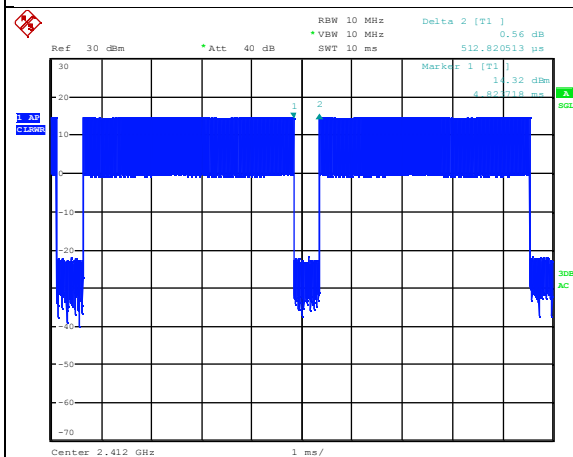
### DUTY CYCLE (802.11B)



Date: 21.JAN.2019 14:52:49



Date: 21.JAN.2019 14:53:33

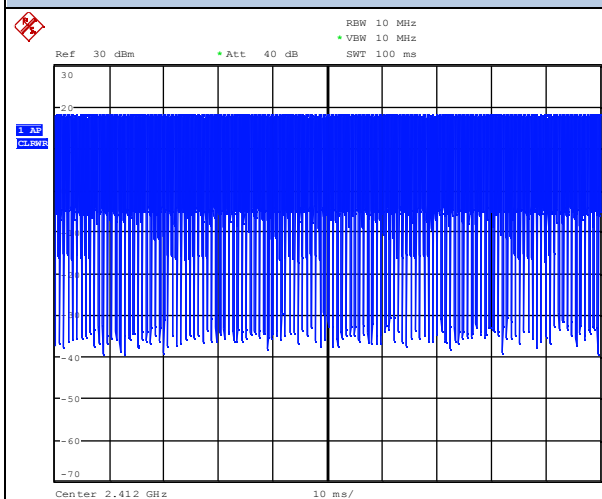


Date: 21.JAN.2019 14:53:54

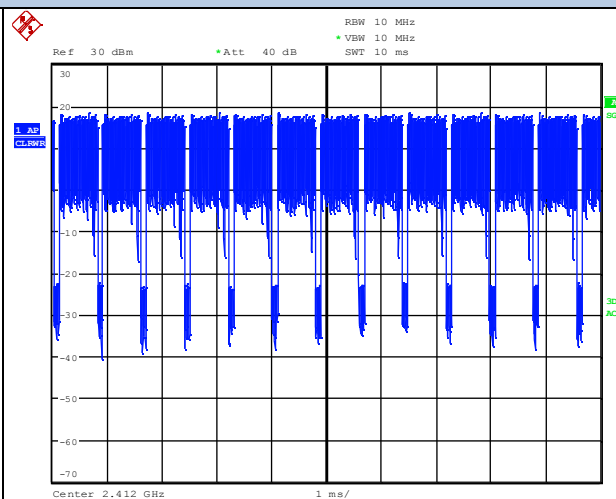
Duty cycle calculation: Ton / Ton+Toff

$$4,198\text{ms} / 4,198\text{ms}+0,512\text{ms} = 0,89\%$$

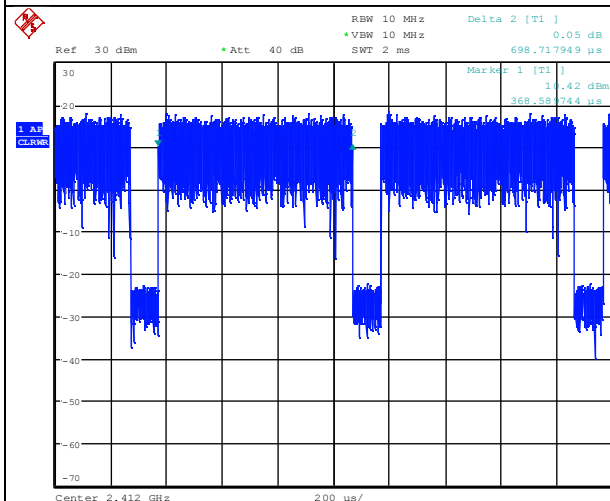
DUTY CYCLE (802.11G)



Date: 21.JAN.2019 16:28:30



Date: 21.JAN.2019 16:28:56



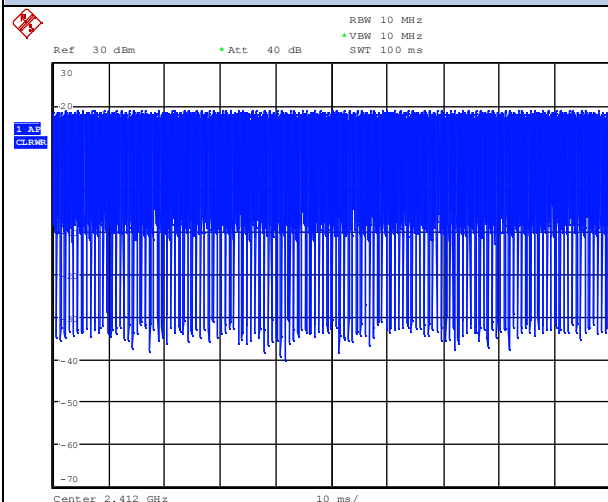
Date: 21.JAN.2019 16:29:19

Duty cycle calculation:  $T_{on} / T_{on} + T_{off}$

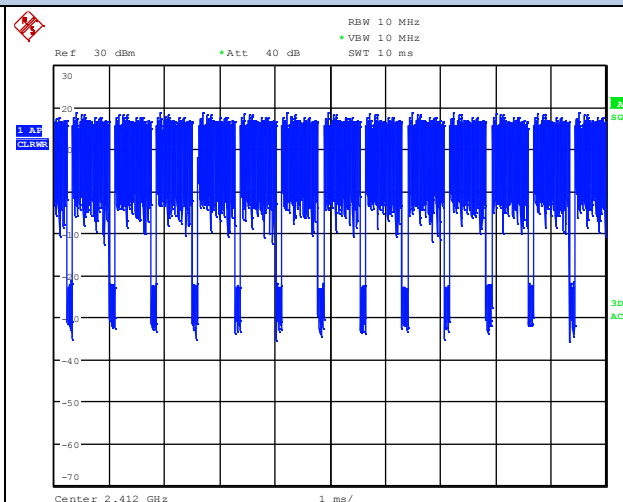
$0,698\text{ms} / 0,698\text{ms} + 0,103\text{ms} = 0,87\%$



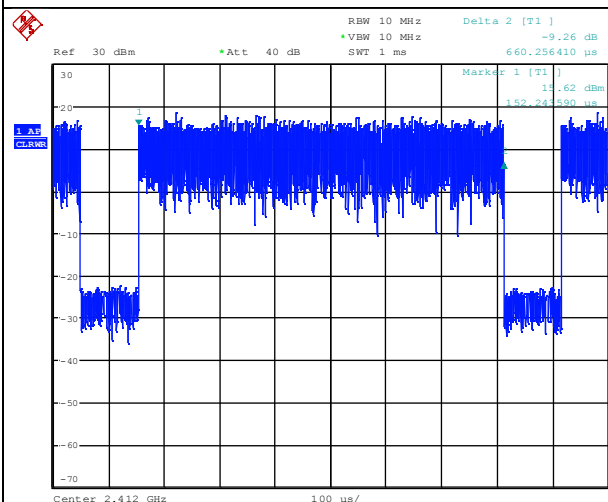
DUTY CYCLE (802.11N)



Date: 21.JAN.2019 16:35:08



Date: 21.JAN.2019 16:35:22



Date: 21.JAN.2019 16:35:47

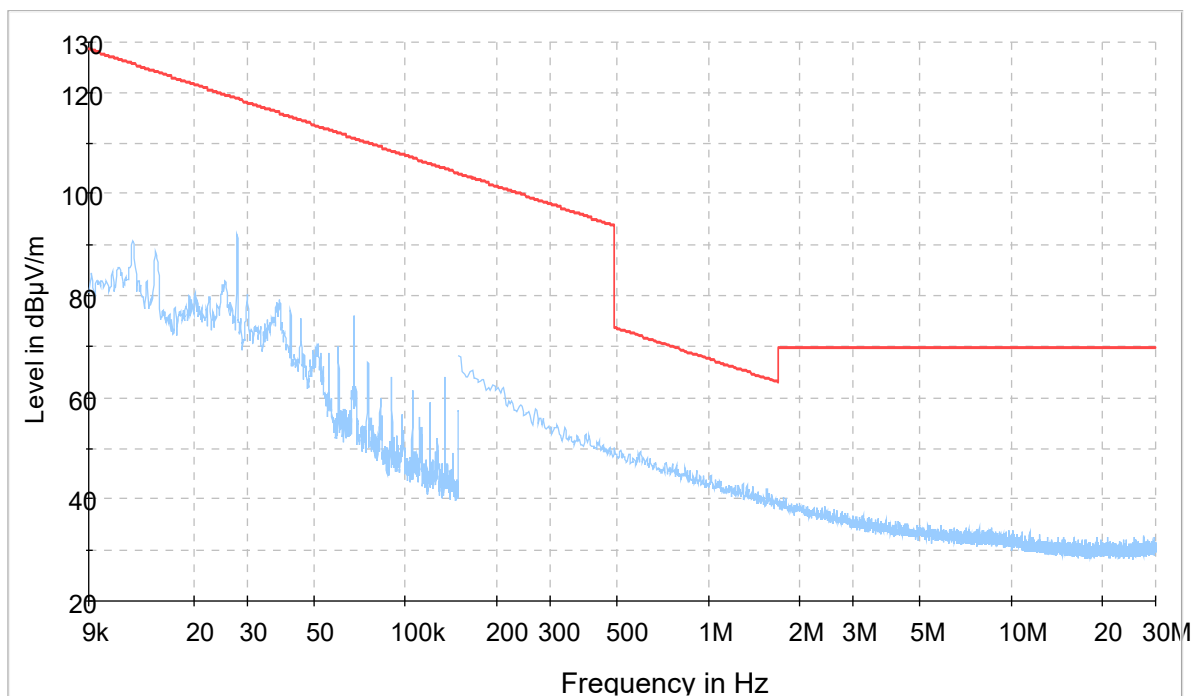
Duty cycle calculation: Ton / Ton+Toff

$$0,660\text{ms} / 0,660\text{ms} + 0,102\text{ms} = 0,86\%$$

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Low Channel (2412 MHz) – 11Mbit/s (worst case)

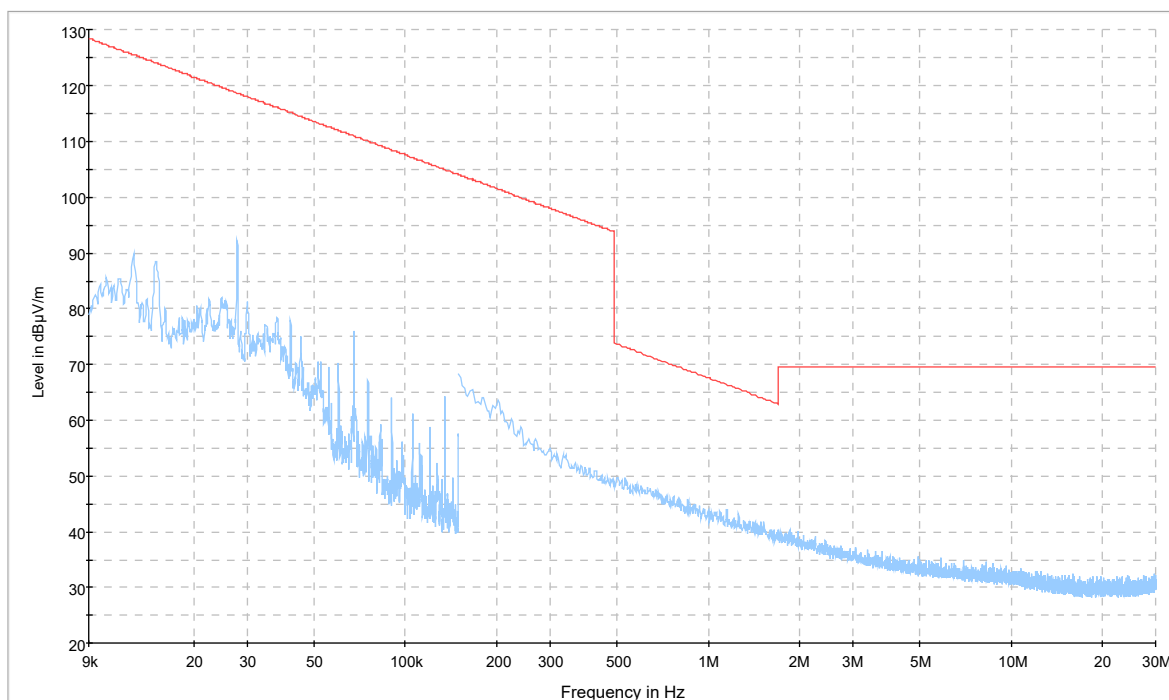
Frequency: 9kHz – 30MHz



Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Low Channel (2412 MHz) – 6Mbit/s (worst case)

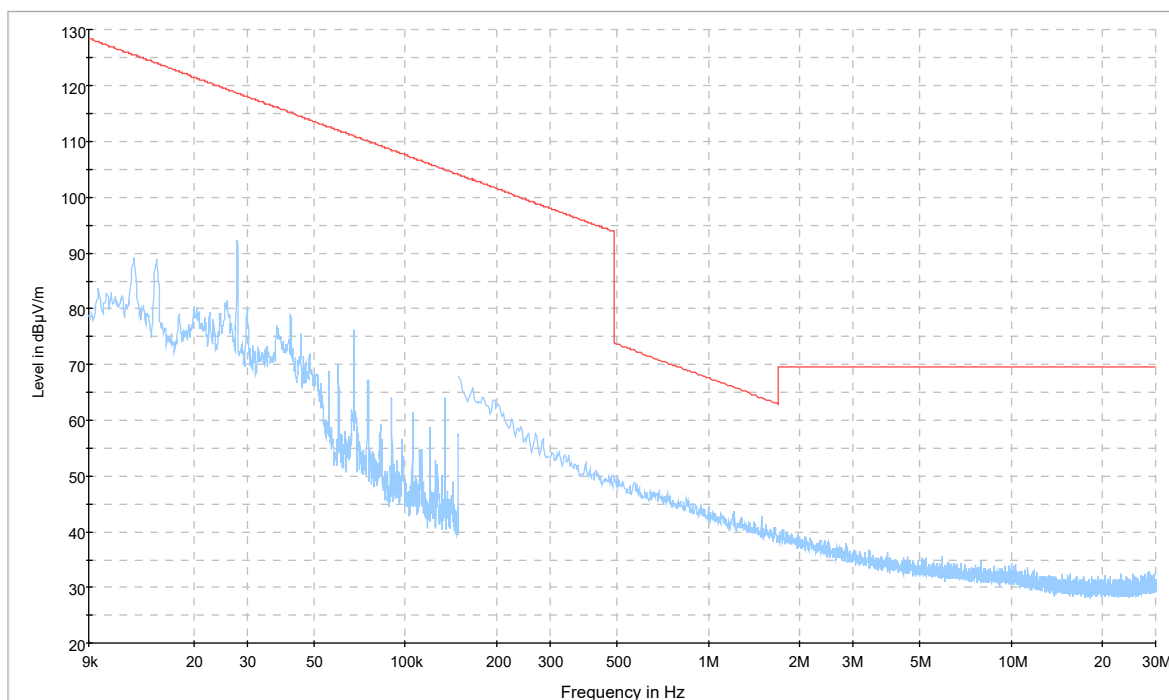
Frequency: 9kHz – 30MHz



**Graphical representation of Radiated Emission Measurement**

**Operation Mode: #3 – Low Channel (2412 MHz) – MCS0 (worst case)**

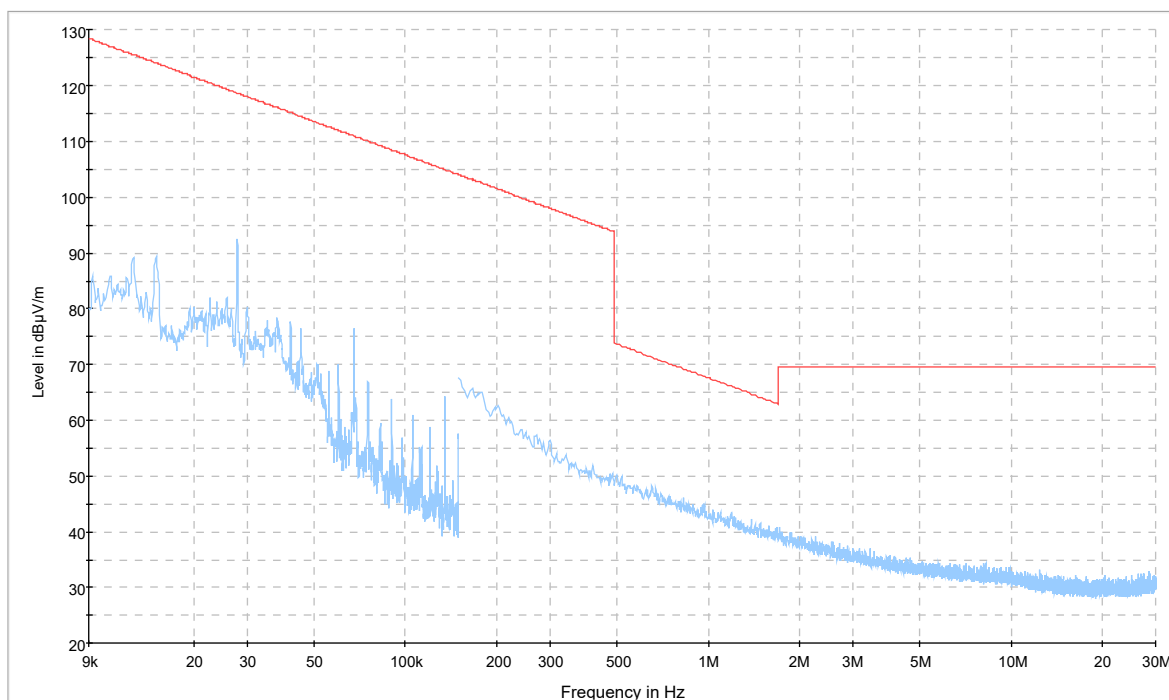
**Frequency: 9kHz – 30MHz**



Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Middle Channel (2437 MHz) – 11Mbit/s (worst case)

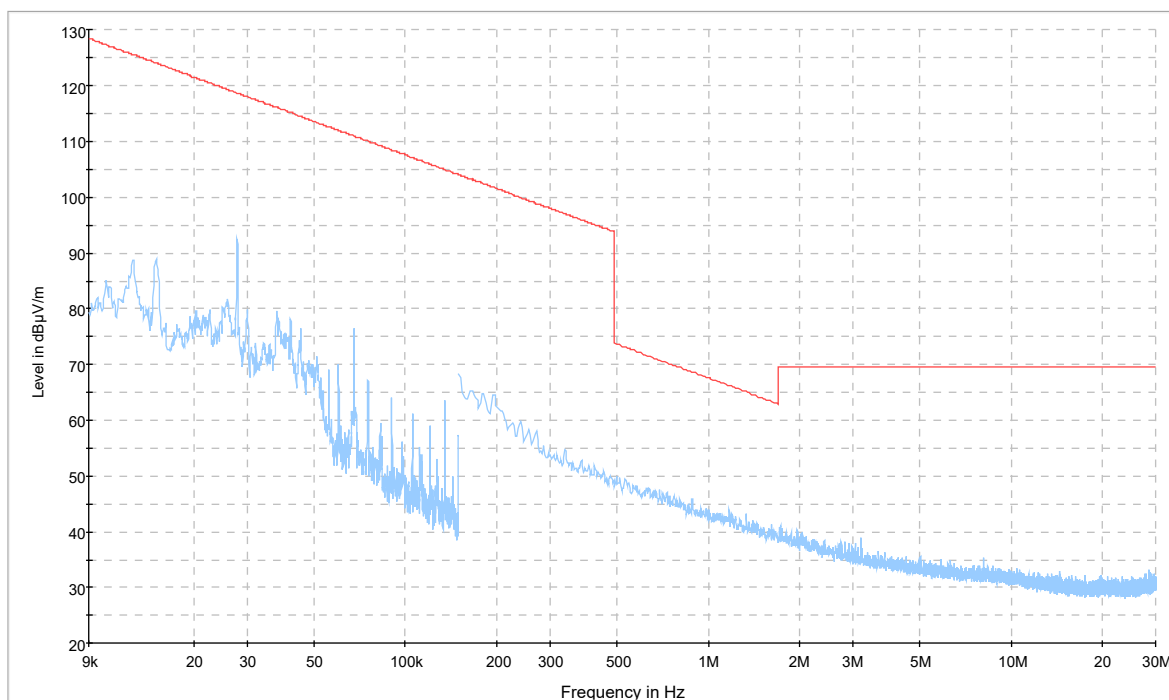
Frequency: 9kHz – 30MHz



Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Middle Channel (2437 MHz) – 6Mbit/s (worst case)

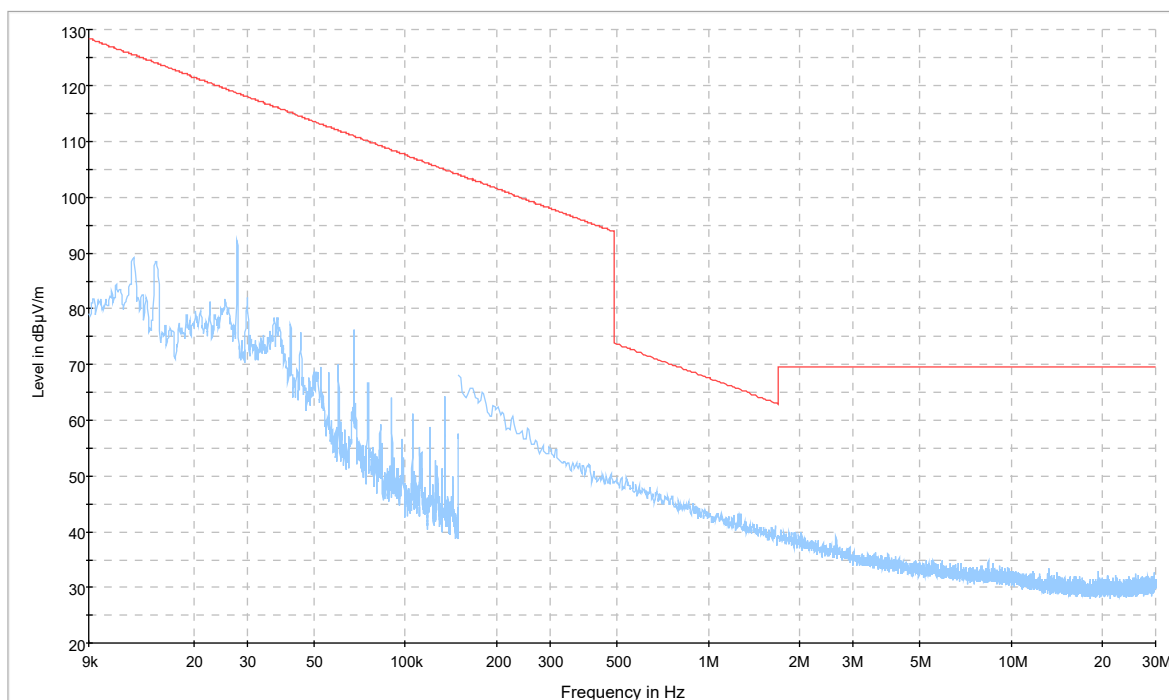
Frequency: 9kHz – 30MHz



Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS0 (worst case)

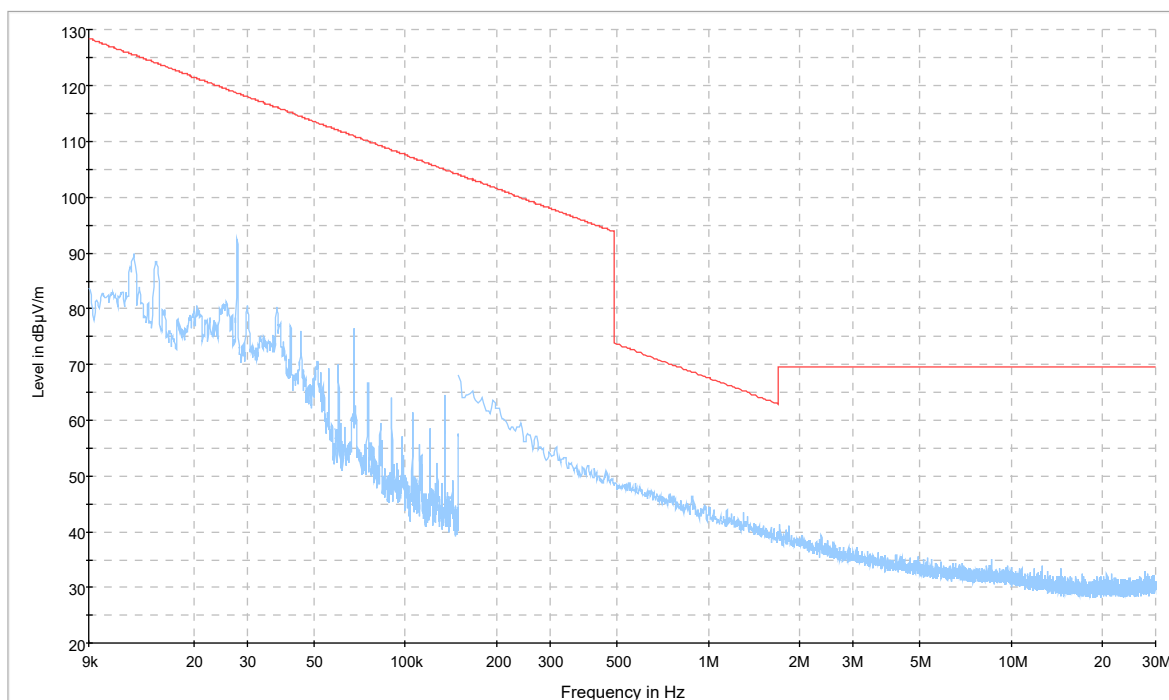
Frequency: 9kHz – 30MHz



Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – High Channel (2462 MHz) – 11Mbit/s (worst case)

Frequency: 9kHz – 30MHz

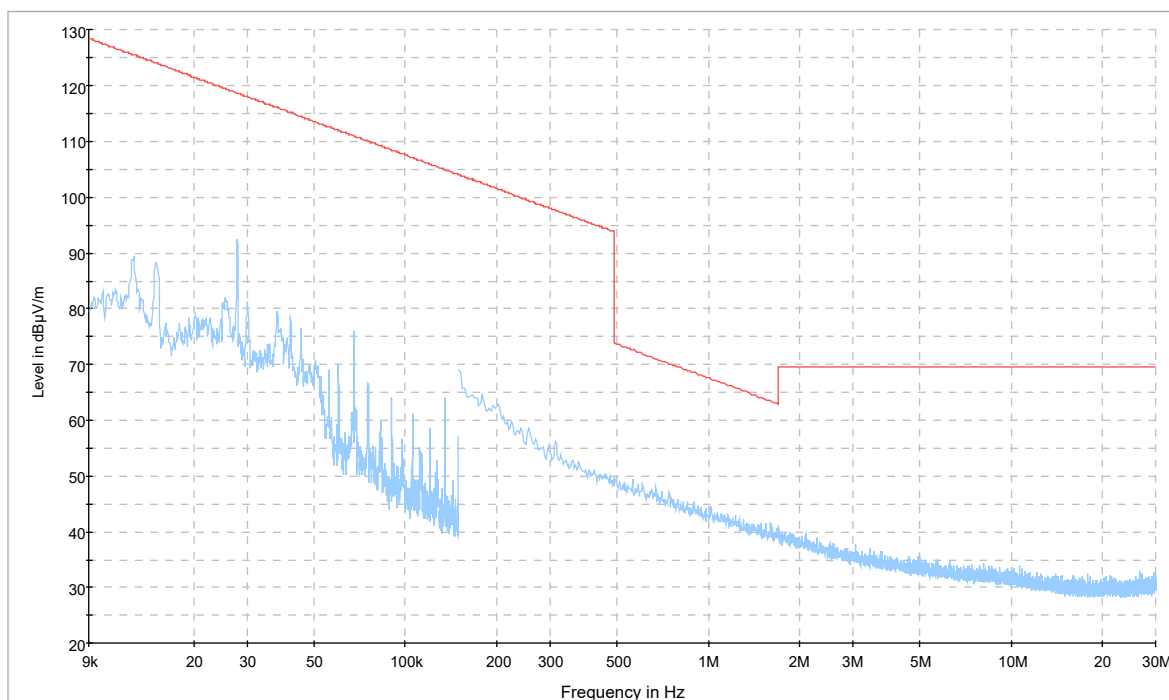




**Graphical representation of Radiated Emission Measurement**

**Operation Mode: #2 – High Channel (2462 MHz) – 6Mbit/s (worst case)**

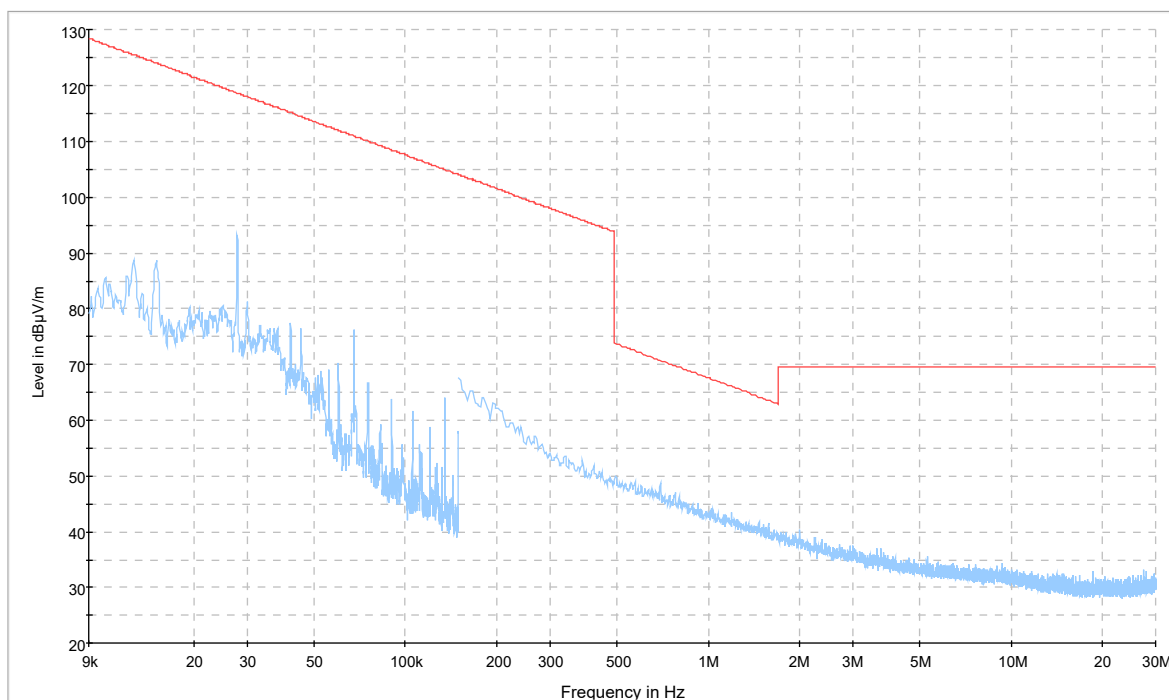
**Frequency: 9kHz – 30MHz**



Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – High Channel (2462 MHz) – MCS0 (worst case)

Frequency: 9kHz – 30MHz

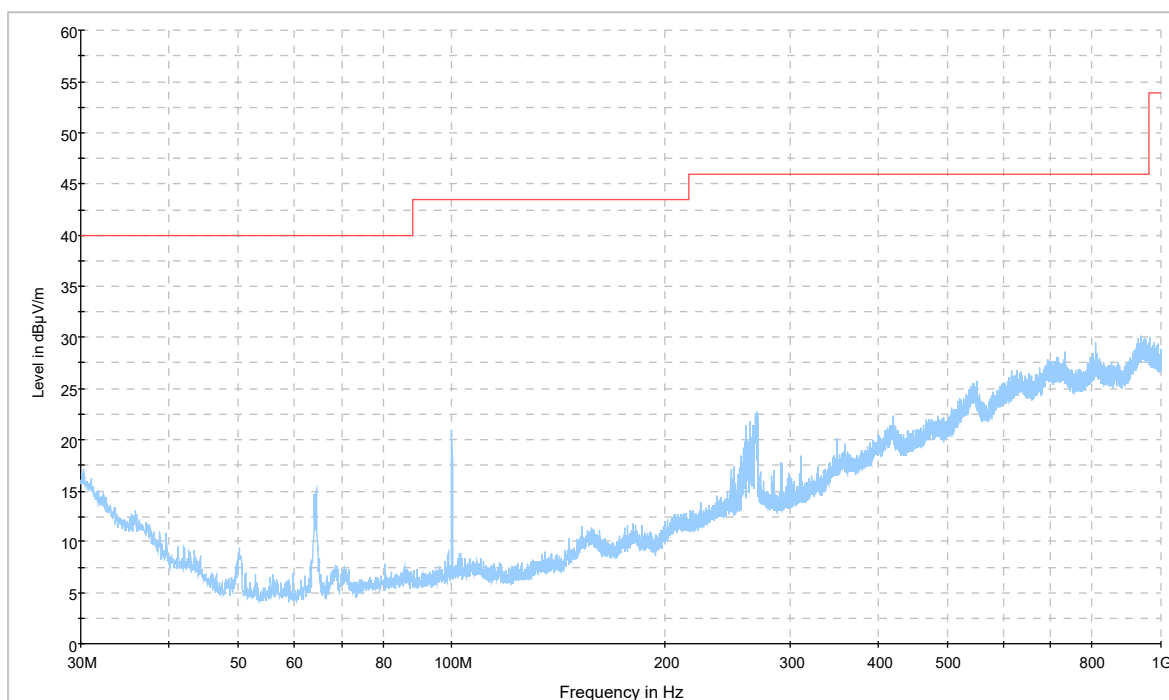


**Graphical representation of Radiated Emission Measurement**

**Operation Mode: #1 – Low Channel (2412 MHz) – 11Mbit/s (worst case)**

**Frequency: 30MHz – 1GHz**

**Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)**

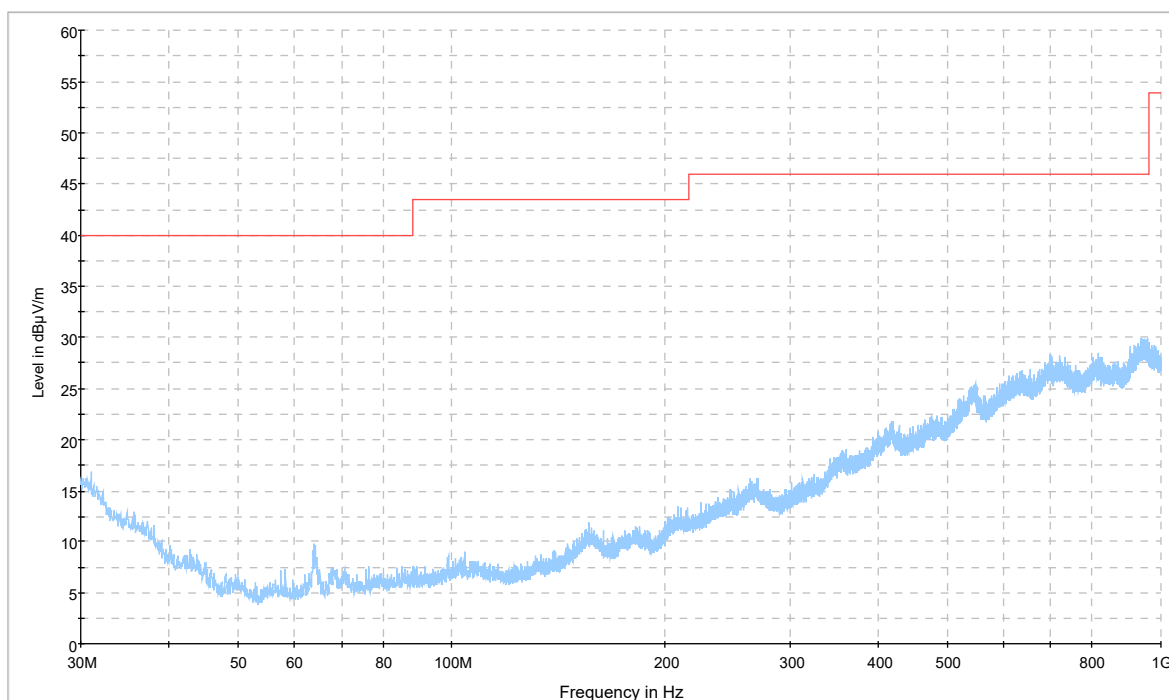


**Graphical representation of Radiated Emission Measurement**

**Operation Mode: #2 – Low Channel (2412 MHz) – 6Mbit/s (worst case)**

**Frequency: 30MHz – 1GHz**

**Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)**

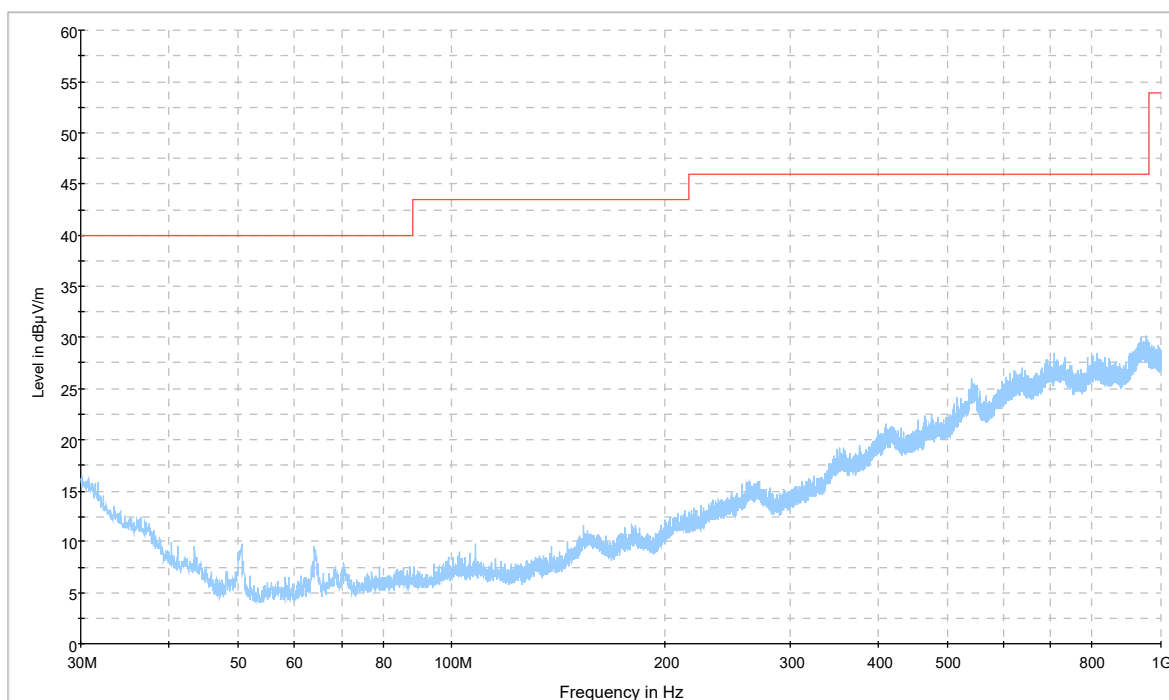


**Graphical representation of Radiated Emission Measurement**

**Operation Mode: #3 – Low Channel (2412 MHz) – MCS0 (worst case)**

**Frequency: 30MHz – 1GHz**

**Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)**

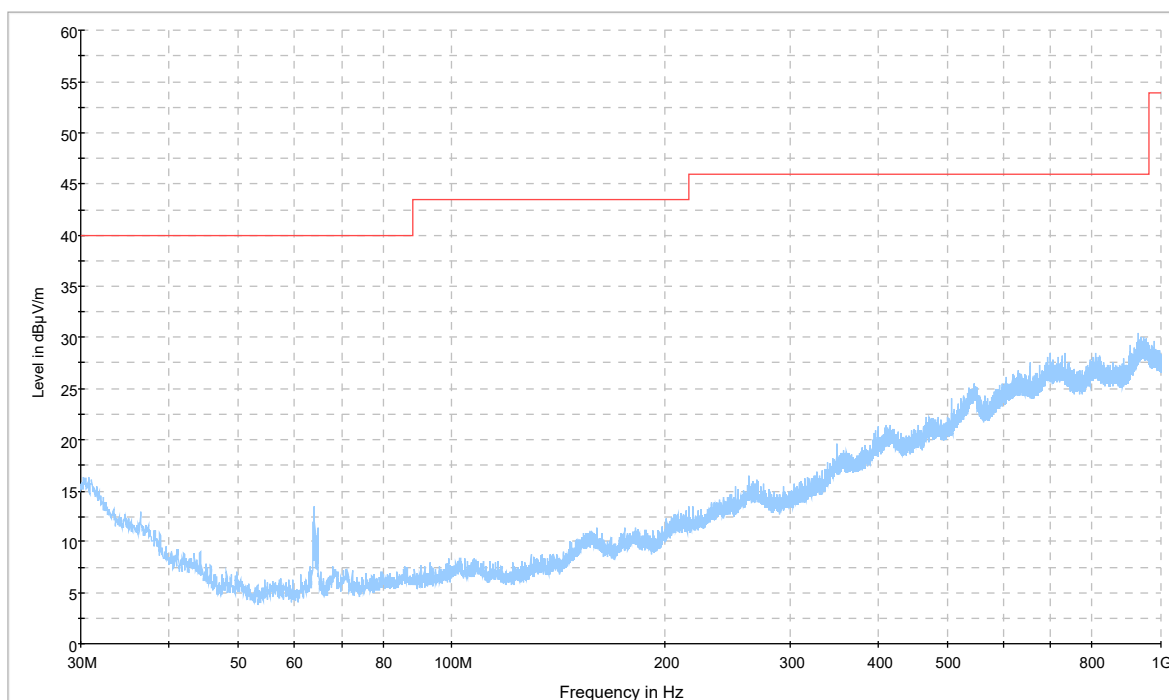


Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Middle Channel (2437 MHz) – 11Mbit/s (worst case)

Frequency: 30MHz – 1GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

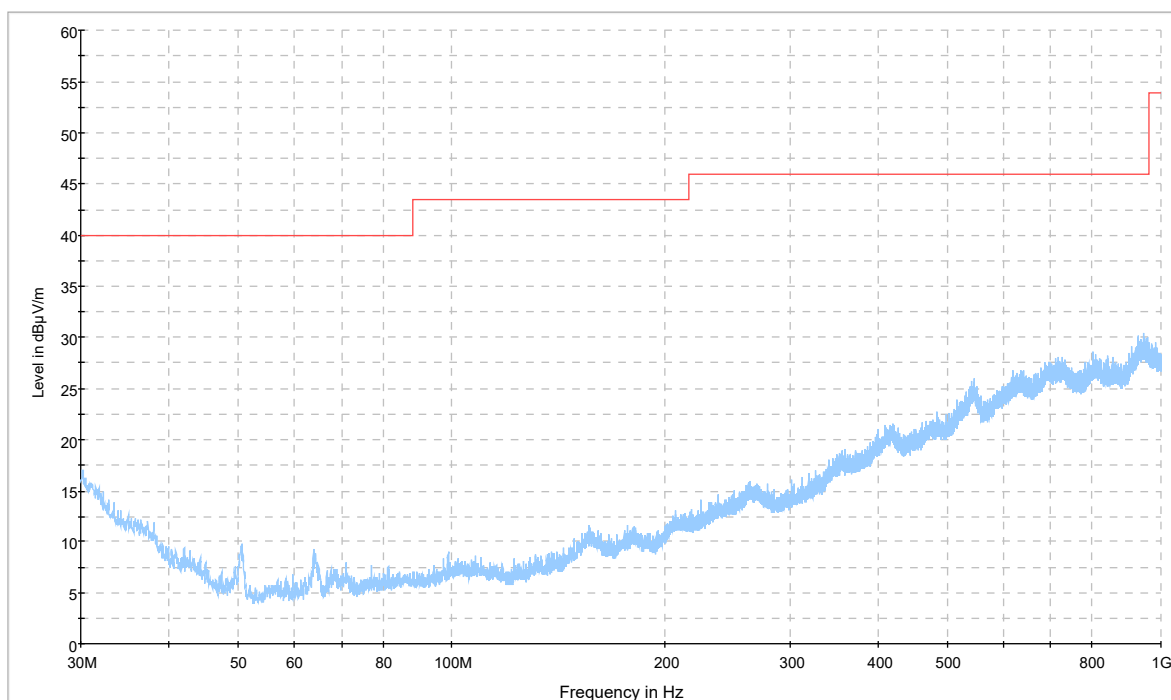


**Graphical representation of Radiated Emission Measurement**

**Operation Mode: #2 – Middle Channel (2437 MHz) – 6Mbit/s (worst case)**

**Frequency: 30MHz – 1GHz**

**Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)**

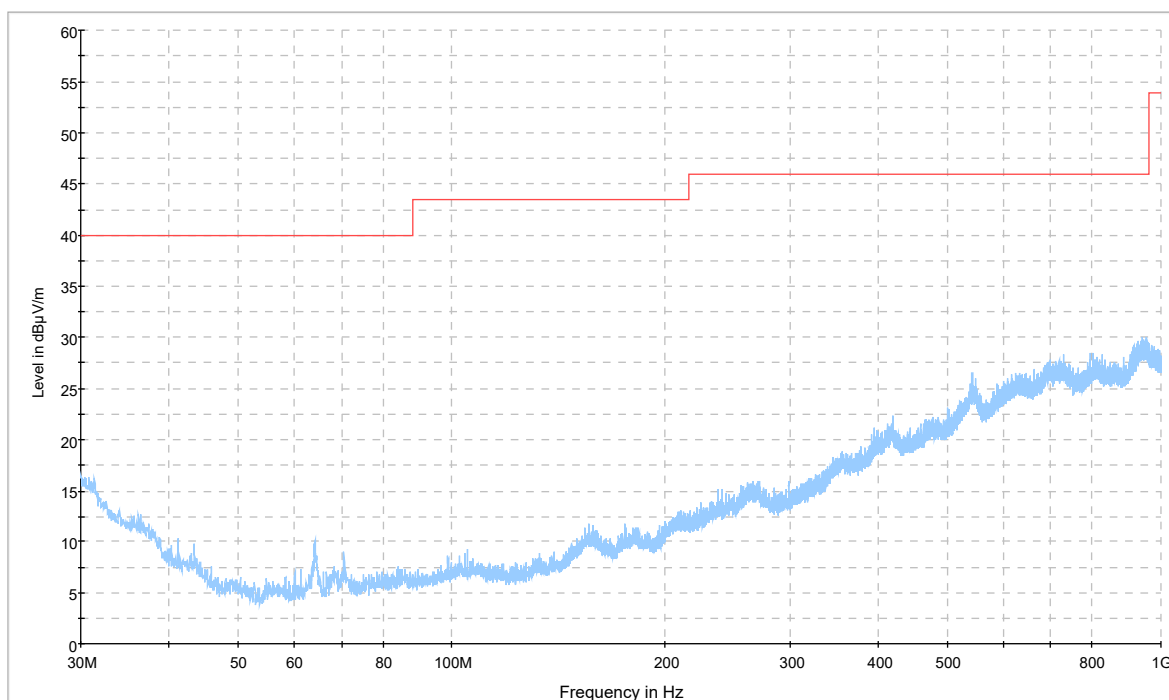


**Graphical representation of Radiated Emission Measurement**

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS0 (worst case)

Frequency: 30MHz – 1GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



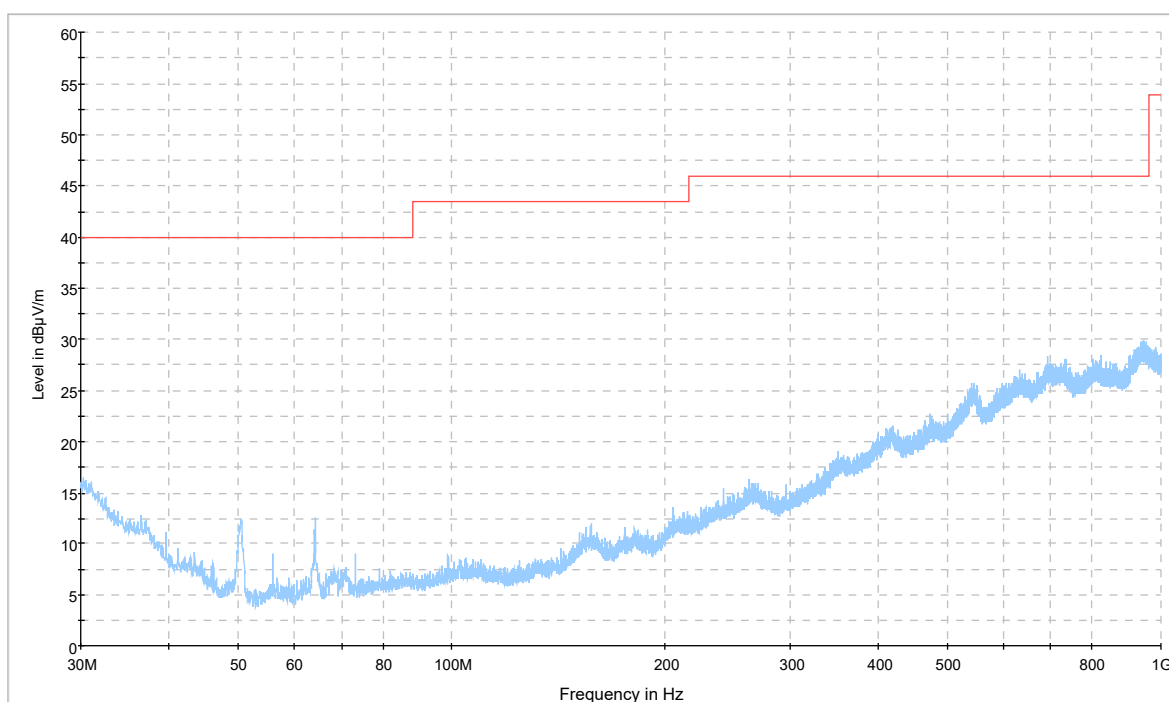


**Graphical representation of Radiated Emission Measurement**

Operation Mode: #1 – High Channel (2462 MHz) – 11Mbit/s (worst case)

Frequency: 30MHz – 1GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

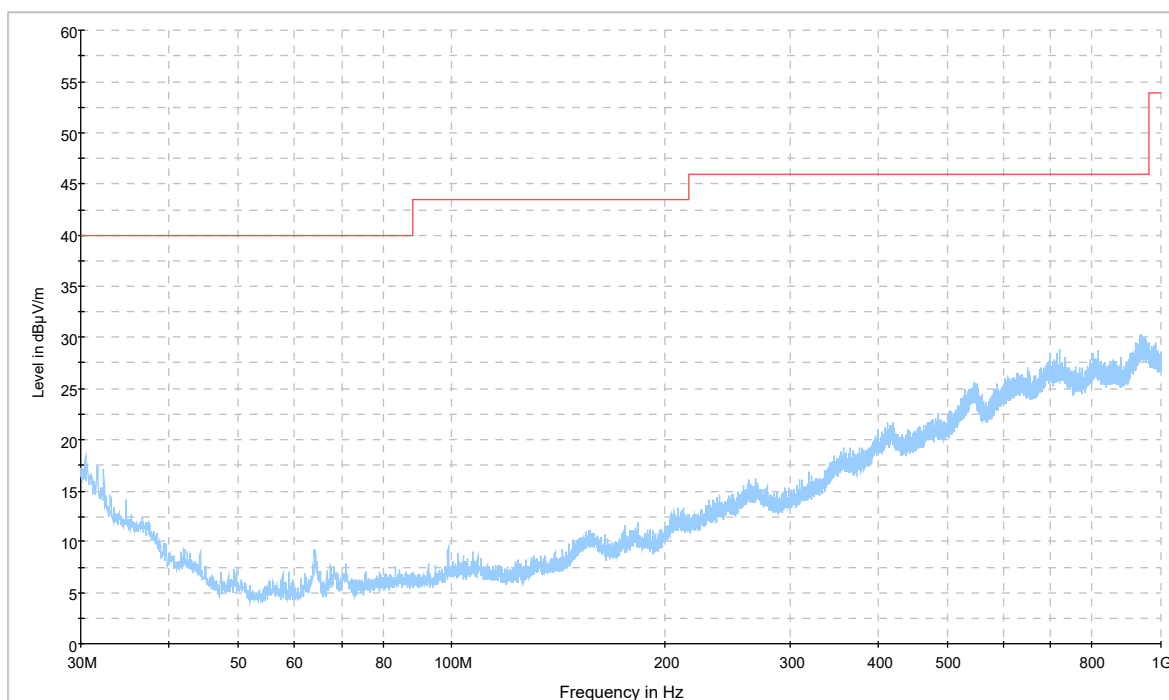


Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – High Channel (2462 MHz) – 6Mbit/s (worst case)

Frequency: 30MHz – 1GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

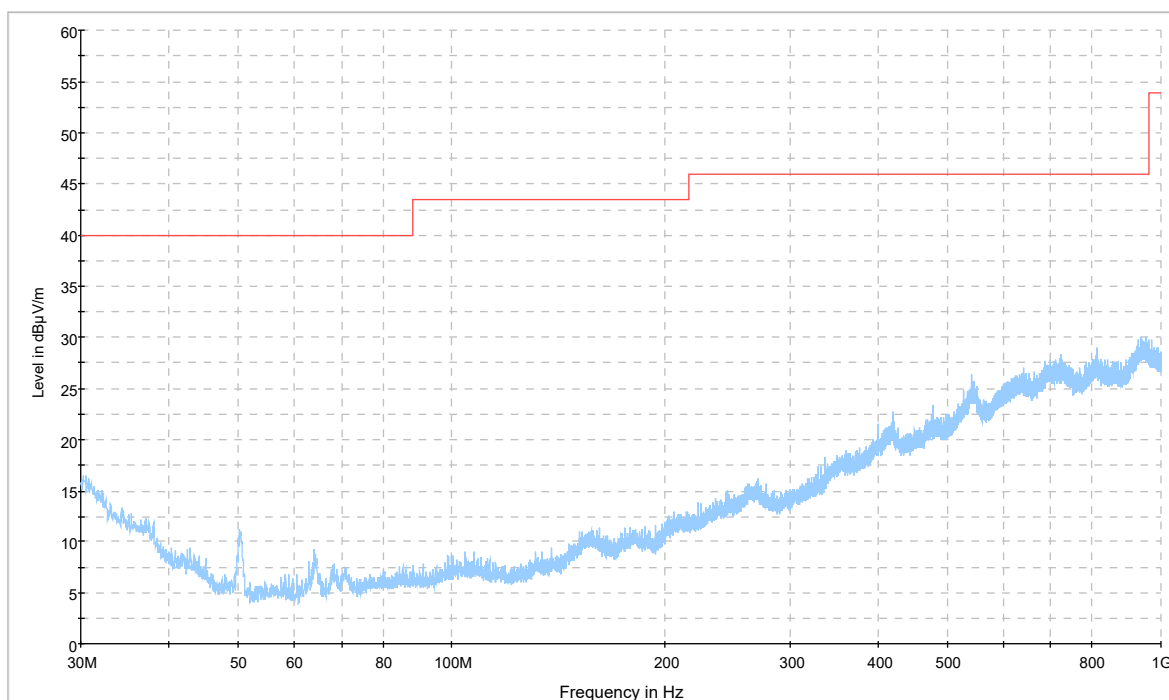


**Graphical representation of Radiated Emission Measurement**

**Operation Mode: #3 – High Channel (2462 MHz) – MCS0 (worst case)**

**Frequency: 30MHz – 1GHz**

**Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)**

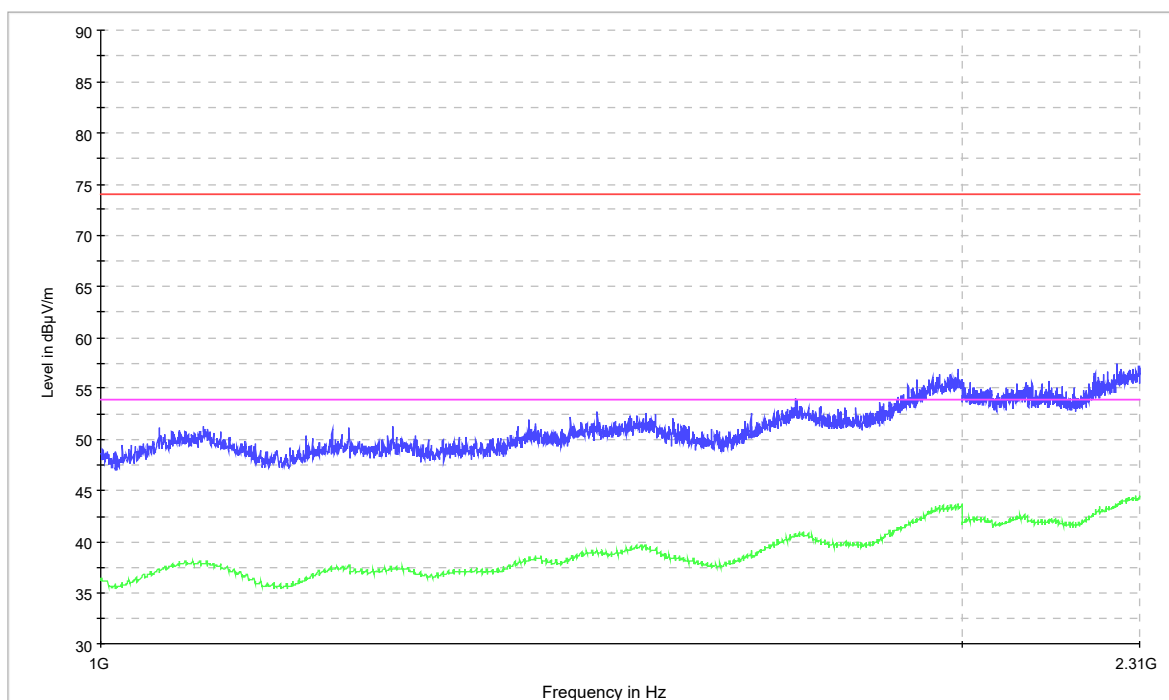


Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Low Channel (2412 MHz) – 11Mbit/s (worst case)

Frequency: 1GHz – 2,31GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

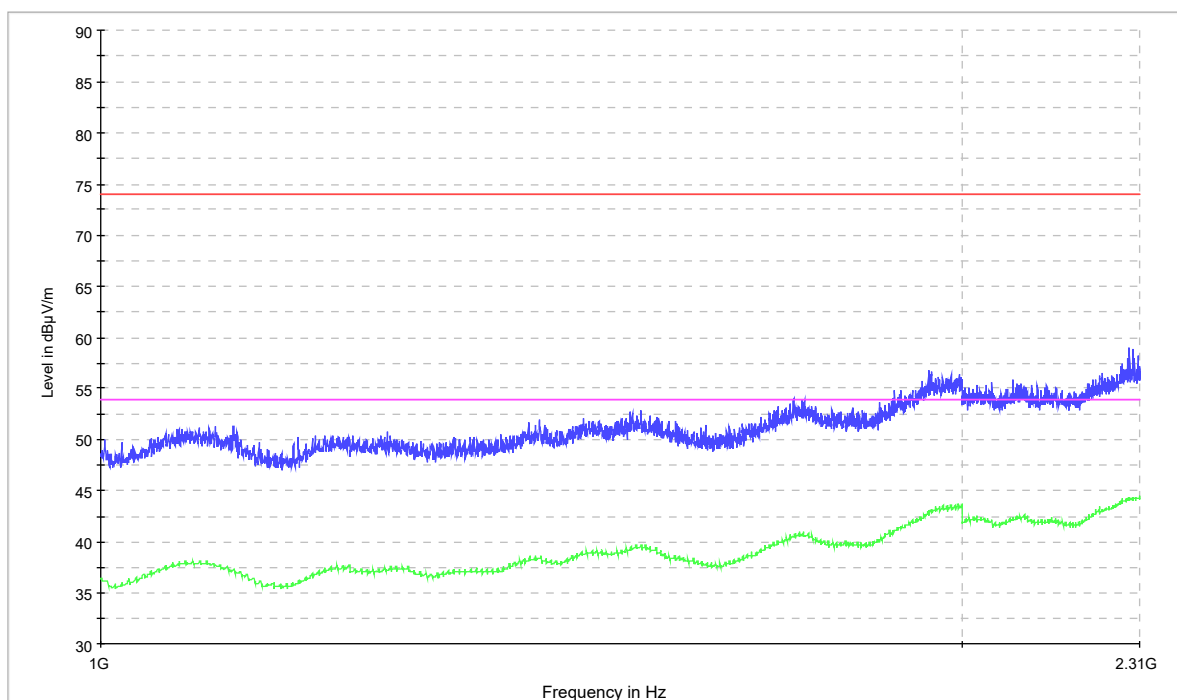


Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Low Channel (2412 MHz) – 6Mbit/s (worst case)

Frequency: 1GHz – 2,31GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

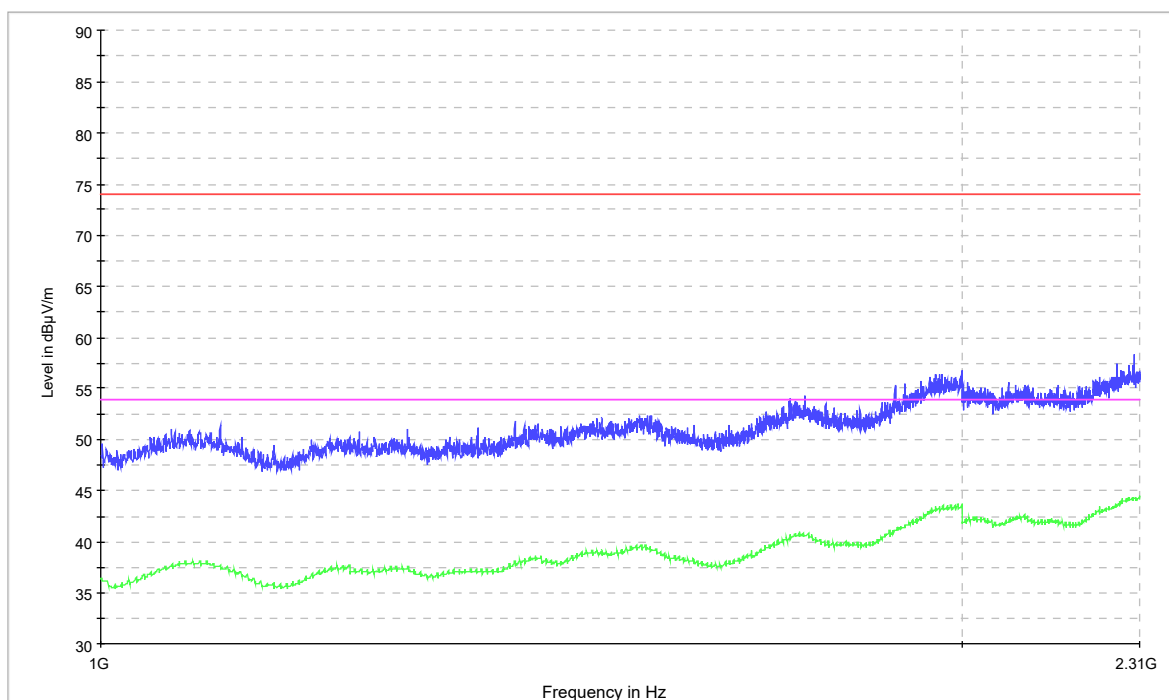


Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Low Channel (2412 MHz) – MCS0 (worst case)

Frequency: 1GHz – 2,31GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

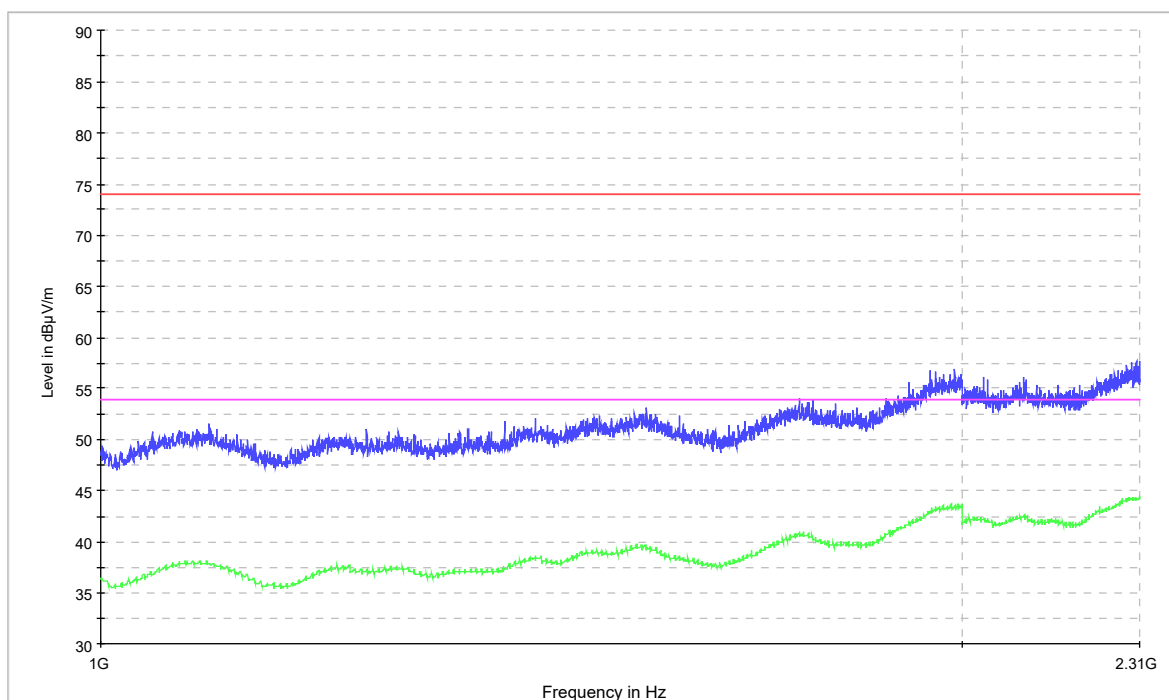


Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Middle Channel (2437 MHz) – 11Mbit/s (worst case)

Frequency: 1GHz – 2,31GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

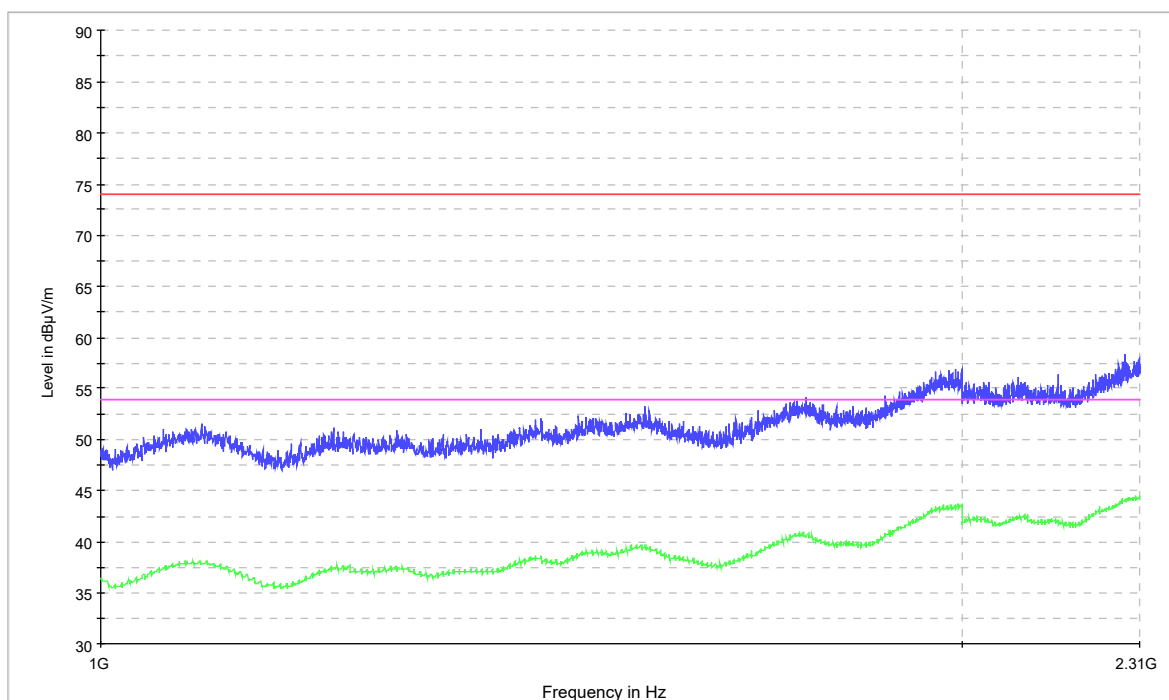


**Graphical representation of Radiated Emission Measurement**

**Operation Mode: #2 – Middle Channel (2437 MHz) – 6Mbit/s (worst case)**

**Frequency: 1GHz – 2,31GHz**

**Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)**



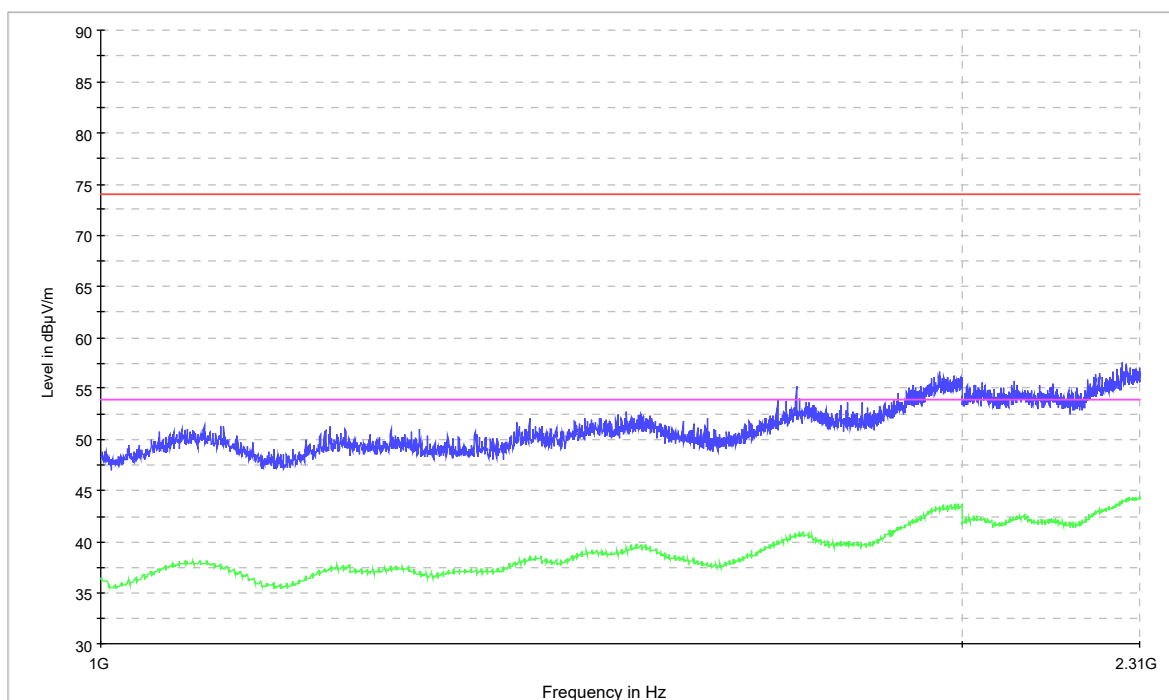


Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS0 (worst case)

Frequency: 1GHz – 2,31GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

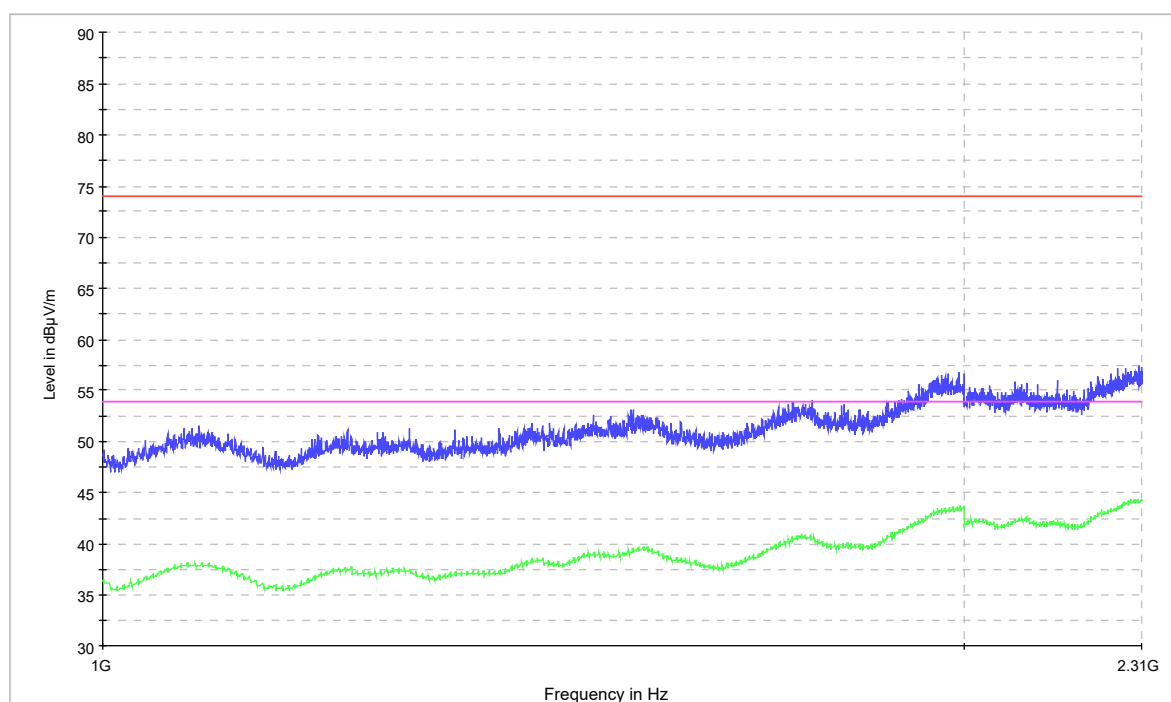


Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – High Channel (2462 MHz) – 11Mbit/s (worst case)

Frequency: 1GHz – 2,31GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

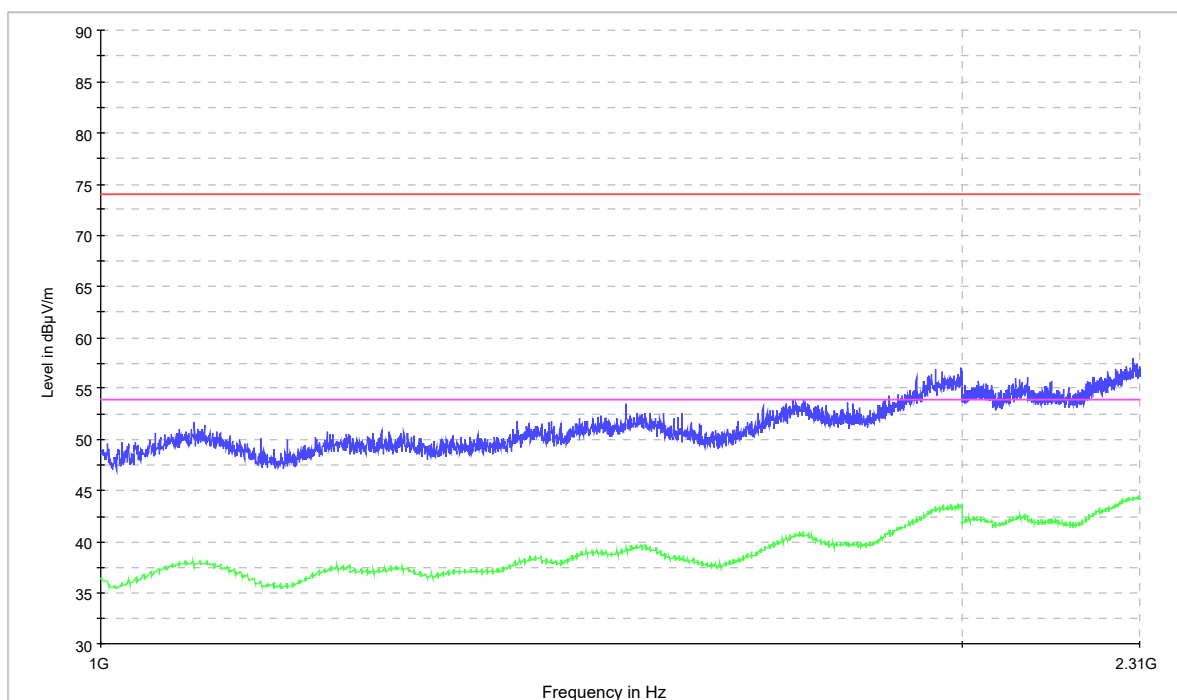


Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – High Channel (2462 MHz) – 6Mbit/s (worst case)

Frequency: 1GHz – 2,31GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

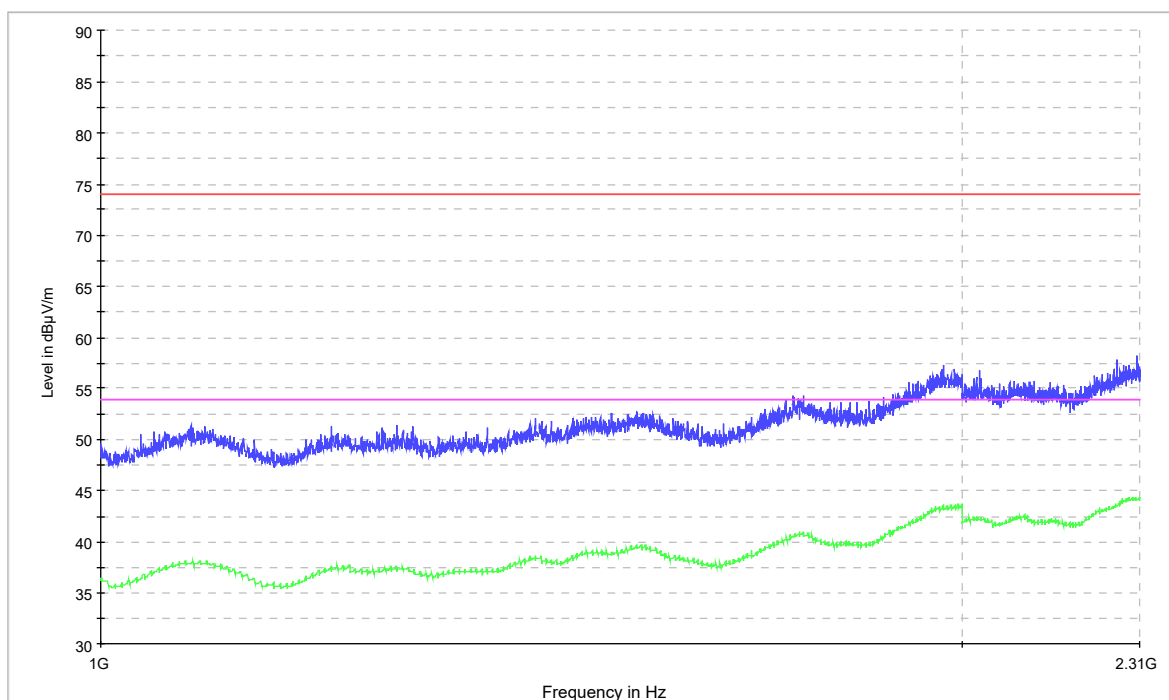


Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – High Channel (2462 MHz) – MCS0 (worst case)

Frequency: 1GHz – 2,31GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

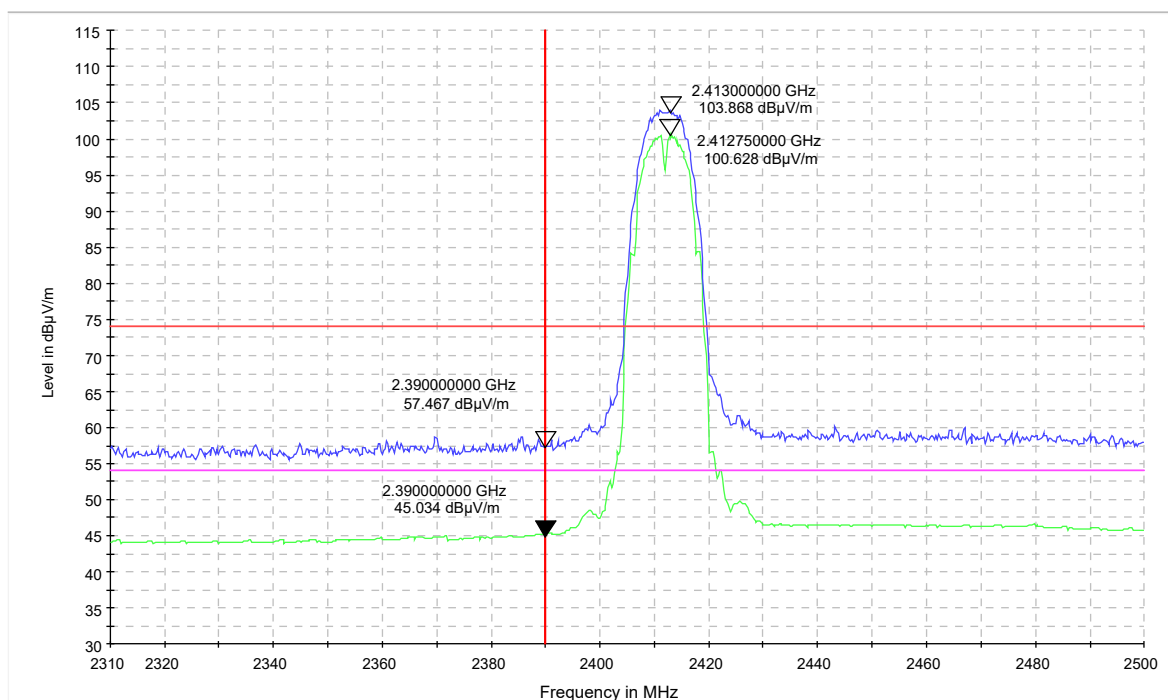


Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Low Channel (2412 MHz) – 1Mbit/s

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	70,58	29,71	3,57	<b>103,86</b>	---	---	---
2390	24,28	29,63	3,55	<b>57,46</b>	yes	74,00	16,54

AVERAGE RESULT (RBW=1MHz)

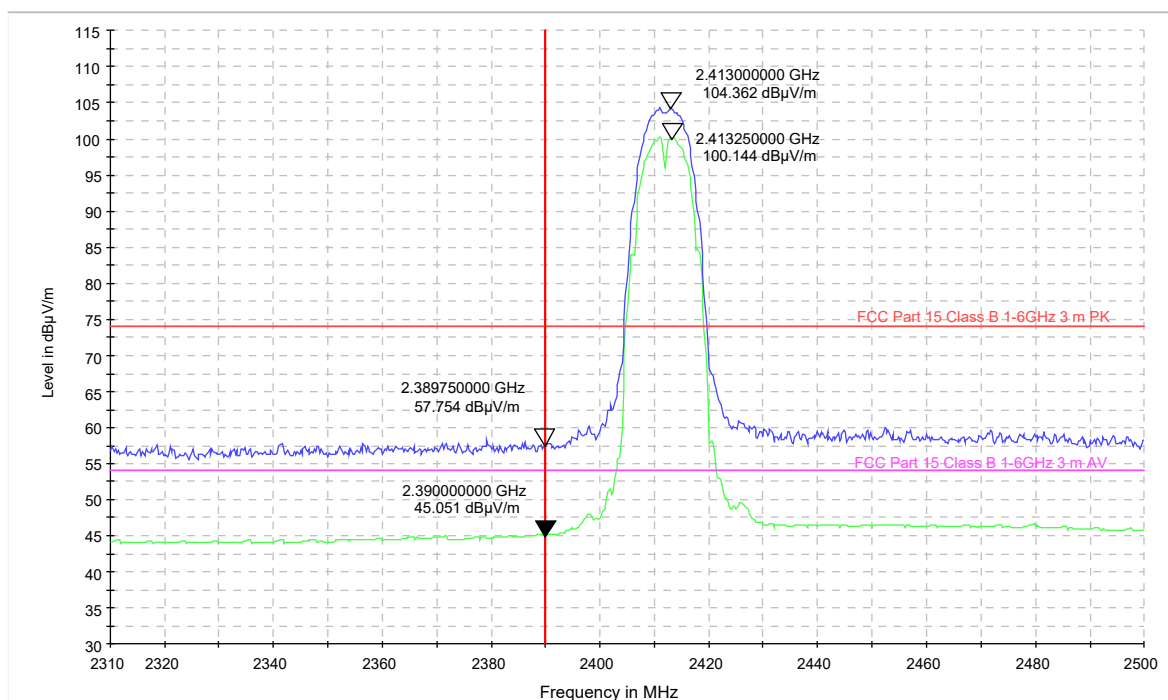
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	67,34	29,71	3,57	<b>100,62</b>	---	---	---
2390	11,85	29,63	3,55	<b>45,03</b>	yes	54,00	8,97

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Low Channel (2412 MHz) – 2Mbit/s

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	71,08	29,71	3,57	<b>104,36</b>	---	---	---
2390	24,57	29,63	3,55	<b>57,75</b>	yes	74,00	16,25

AVERAGE RESULT (RBW=1MHz)

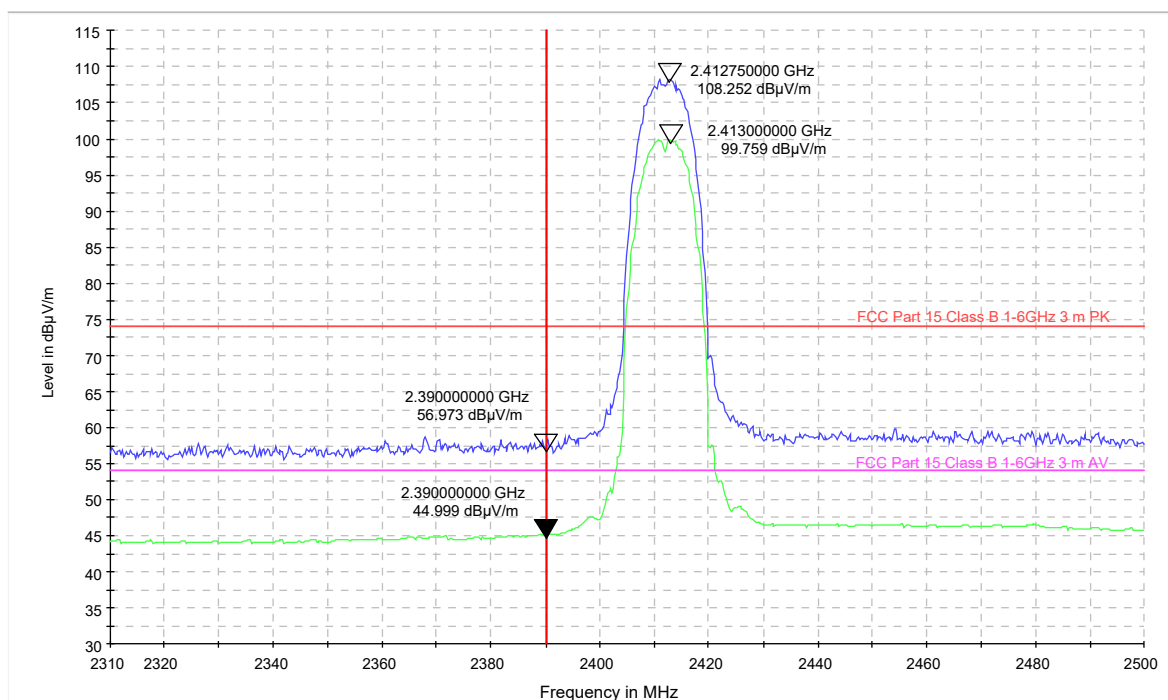
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	66,86	29,71	3,57	<b>100,14</b>	---	---	---
2390	11,87	29,63	3,55	<b>45,05</b>	yes	54,00	8,95

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Low Channel (2412 MHz) – 5,5Mbit/s

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	74,97	29,71	3,57	<b>108,25</b>	---	---	---
2390	23,79	29,63	3,55	<b>56,97</b>	yes	74,00	17,03

AVERAGE RESULT (RBW=1MHz)

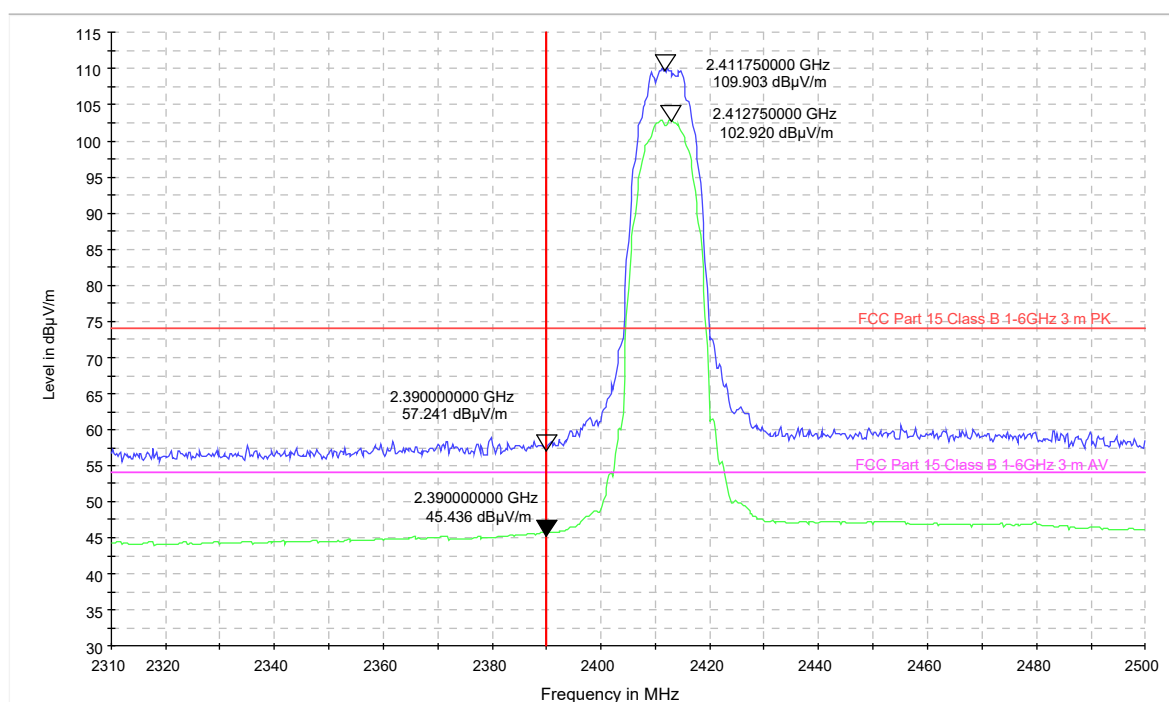
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	66,48	29,71	3,57	<b>99,76</b>	---	---	---
2390	11,82	29,63	3,55	<b>45,00</b>	yes	54,00	9,00

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Low Channel (2412 MHz) – 11Mbit/s

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	76,62	29,71	3,57	<b>109,90</b>	---	---	---
2390	24,06	29,63	3,55	<b>57,24</b>	yes	74,00	16,76

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	69,64	29,71	3,57	<b>102,92</b>	---	---	---
2390	12,25	29,63	3,55	<b>45,43</b>	yes	54,00	8,57

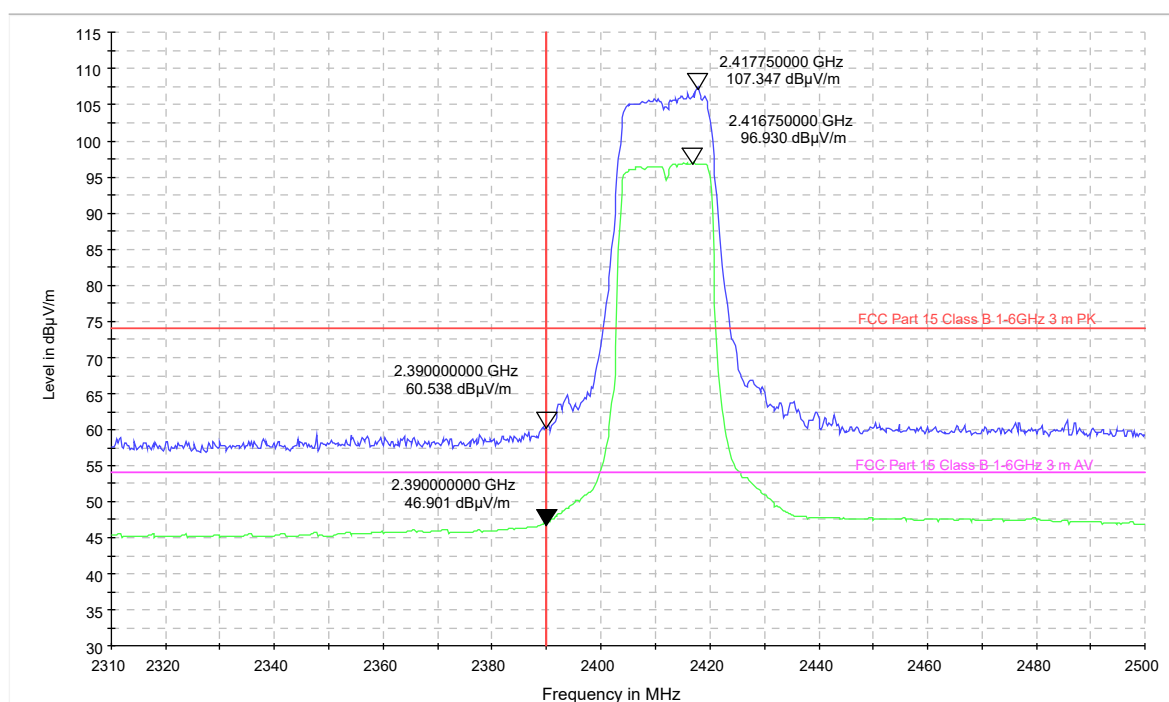


Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Low Channel (2412 MHz) – 6Mbit/s

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	74,06	29,71	3,57	<b>107,34</b>	---	---	---
2390	27,35	29,63	3,55	<b>60,53</b>	yes	74,00	13,47

AVERAGE RESULT (RBW=1MHz)

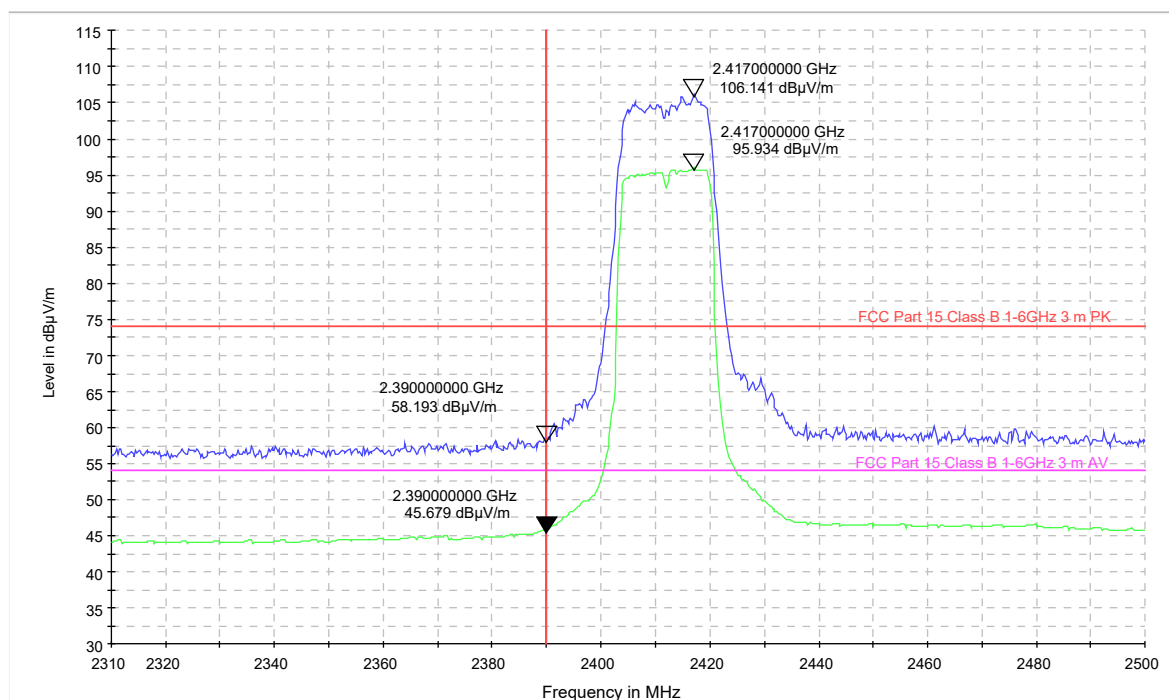
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	63,65	29,71	3,57	<b>96,93</b>	---	---	---
2390	13,72	29,63	3,55	<b>46,90</b>	yes	54,00	7,10

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Low Channel (2412 MHz) – 9Mbit/s

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2412	72,86	29,71	3,57	<b>106,14</b>	---	---	---
2390	25,01	29,63	3,55	<b>58,19</b>	yes	74,00	15,81

AVERAGE RESULT (RBW=1MHz)

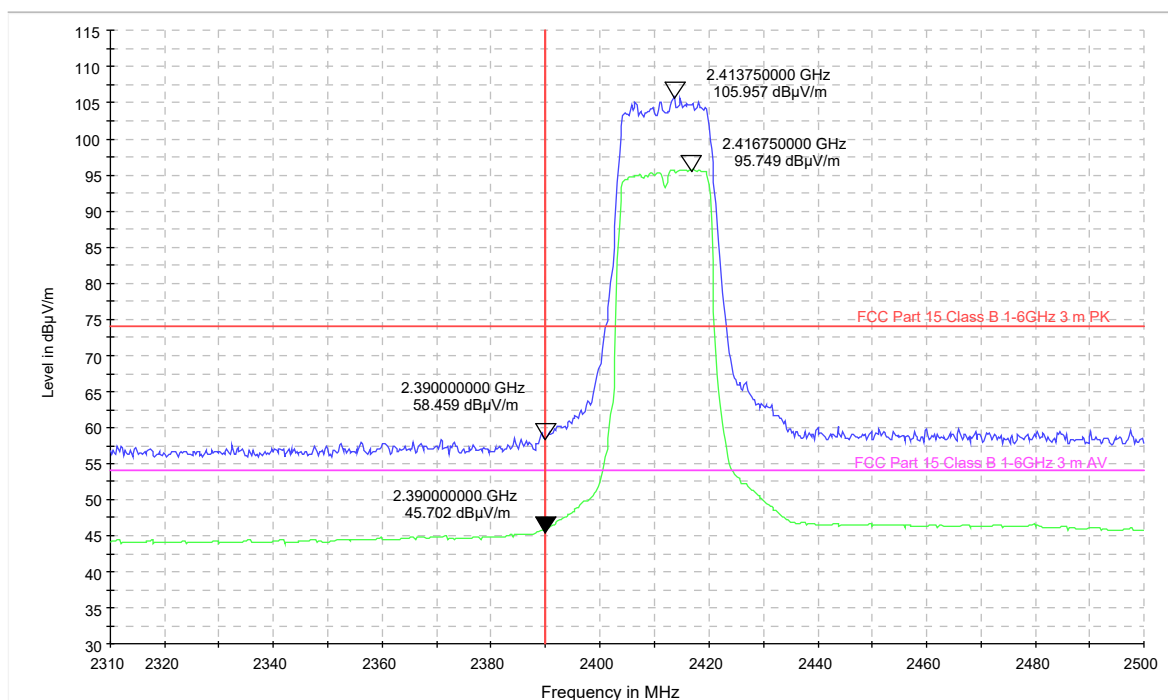
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2412	62,65	29,71	3,57	<b>95,93</b>	---	---	---
2390	12,50	29,63	3,55	<b>45,68</b>	yes	54,00	8,32

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Low Channel (2412 MHz) – 12Mbit/s

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	72,67	29,71	3,57	<b>105,95</b>	---	---	---
2390	25,28	29,63	3,55	<b>58,46</b>	yes	74,00	15,54

AVERAGE RESULT (RBW=1MHz)

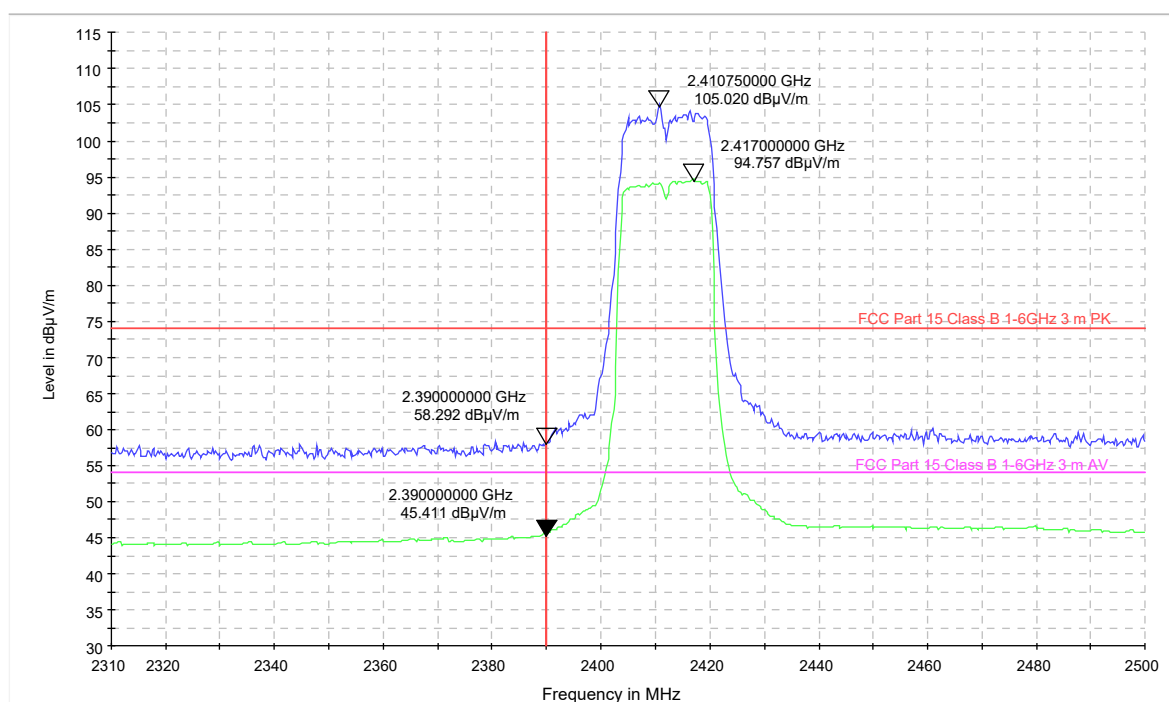
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	62,47	29,71	3,57	<b>95,75</b>	---	---	---
2390	12,52	29,63	3,55	<b>45,70</b>	yes	54,00	8,30

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Low Channel (2412 MHz) – 18Mbit/s

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	71,74	29,71	3,57	105,02	---	---	---
2390	25,11	29,63	3,55	58,29	yes	74,00	15,71

AVERAGE RESULT (RBW=1MHz)

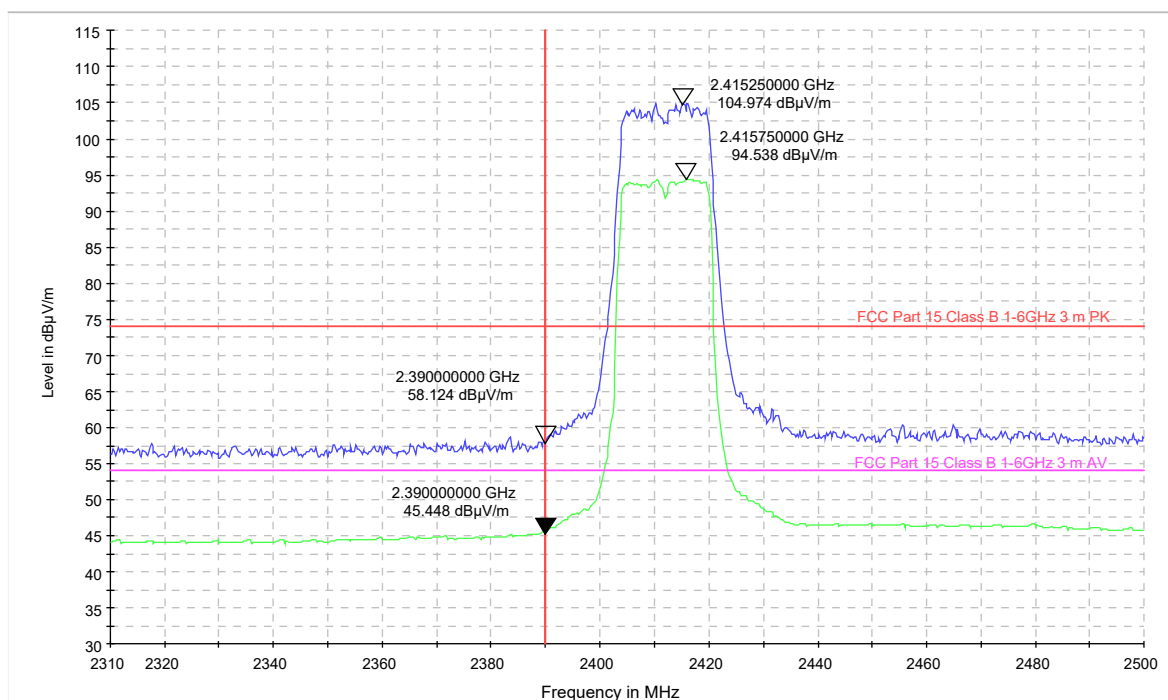
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	61,47	29,71	3,57	94,75	---	---	---
2390	12,23	29,63	3,55	45,41	yes	54,00	8,59

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Low Channel (2412 MHz) – 24Mbit/s

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	71,69	29,71	3,57	<b>104,97</b>	---	---	---
2390	24,94	29,63	3,55	<b>58,12</b>	yes	74,00	15,88

AVERAGE RESULT (RBW=1MHz)

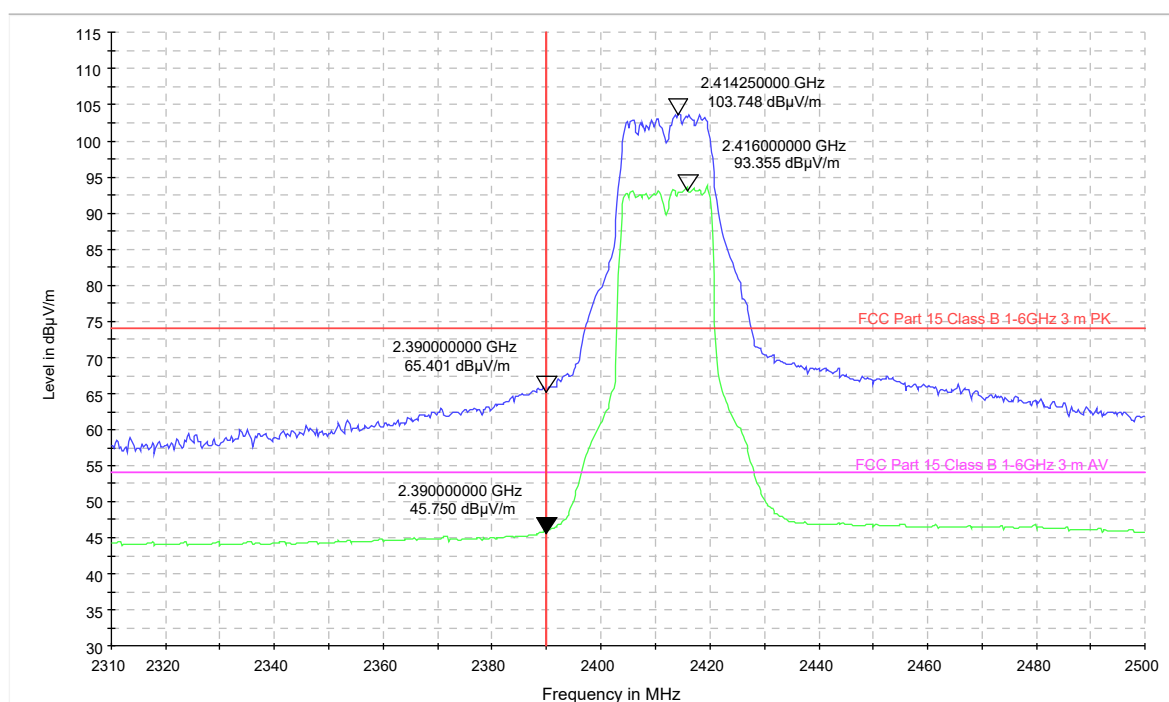
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	61,25	29,71	3,57	<b>94,53</b>	---	---	---
2390	12,26	29,63	3,55	<b>45,44</b>	yes	54,00	8,56

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Low Channel (2412 MHz) – 36Mbit/s

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	70,46	29,71	3,57	<b>103,74</b>	---	---	---
2390	32,22	29,63	3,55	<b>65,40</b>	yes	74,00	8,60

AVERAGE RESULT (RBW=1MHz)

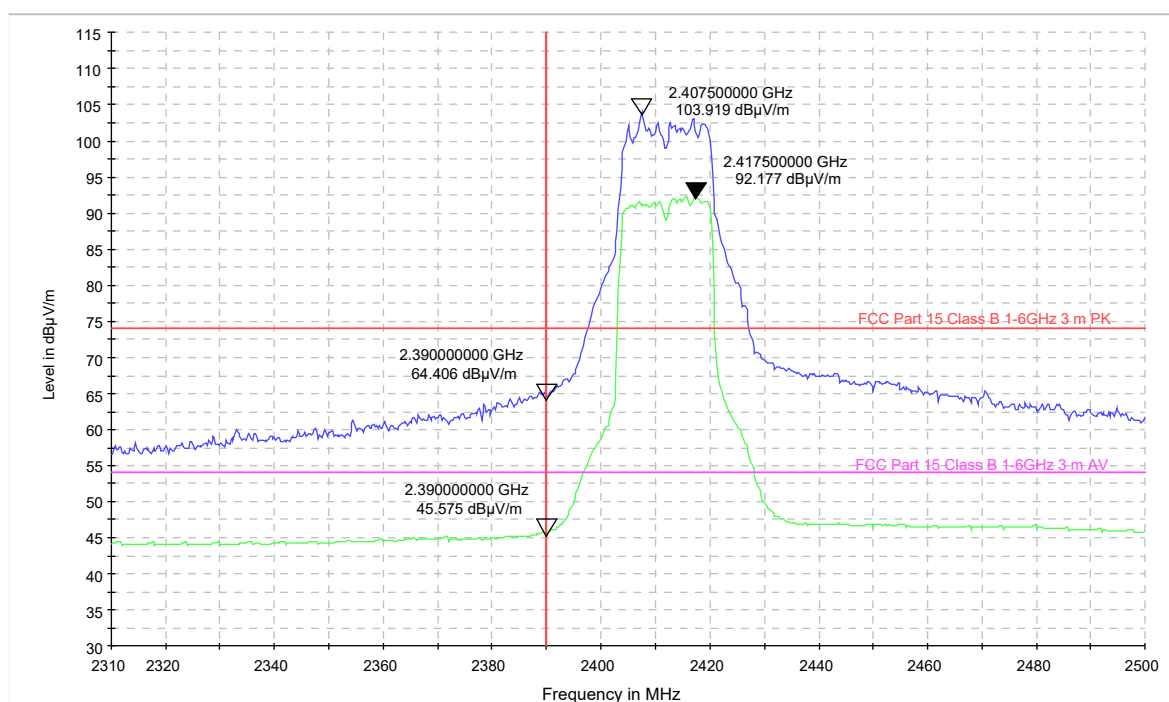
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	60,07	29,71	3,57	<b>93,35</b>	---	---	---
2390	12,57	29,63	3,55	<b>45,75</b>	yes	54,00	8,25

**Graphical representation of Radiated Emission Measurement**

Operation Mode: #2 – Low Channel (2412 MHz) – 48Mbit/s

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



**PEAK RESULT (RBW=1MHz)**

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	70,64	29,71	3,57	<b>103,92</b>	---	---	---
2390	31,22	29,63	3,55	<b>64,40</b>	yes	74,00	9,60

**AVERAGE RESULT (RBW=1MHz)**

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	58,89	29,71	3,57	<b>92,17</b>	---	---	---
2390	12,39	29,63	3,55	<b>45,57</b>	yes	54,00	8,43

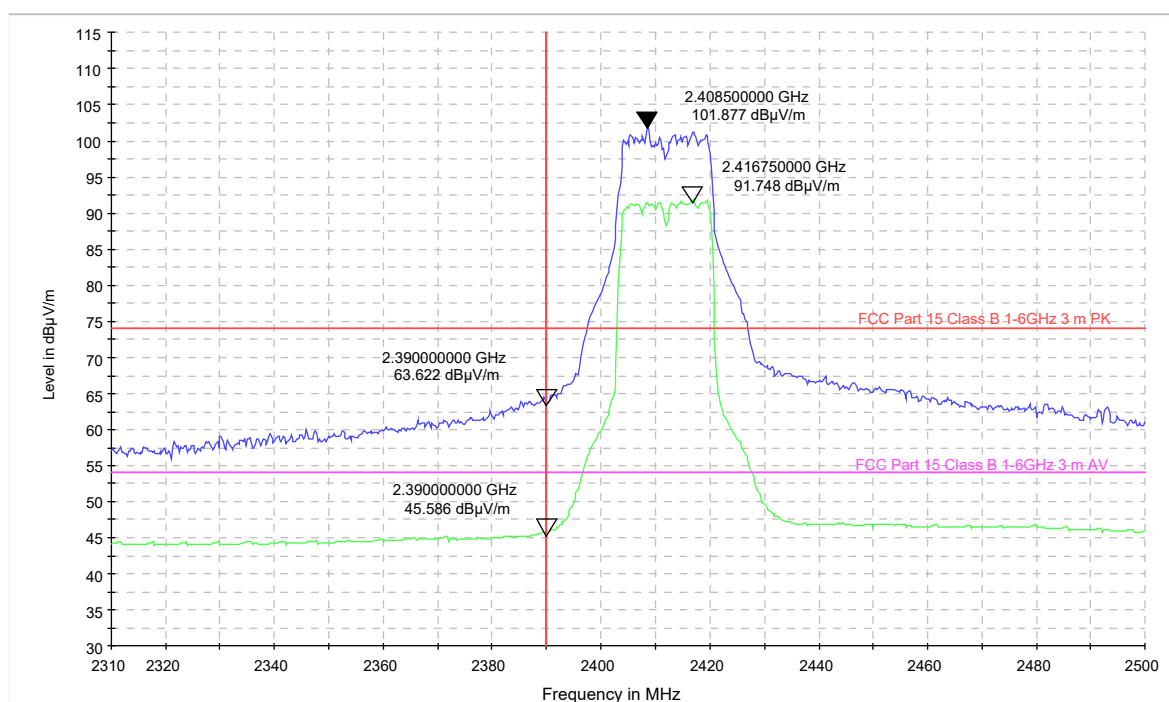


Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Low Channel (2412 MHz) – 54Mbit/s

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	68,59	29,71	3,57	<b>101,87</b>	---	---	---
2390	30,44	29,63	3,55	<b>63,62</b>	yes	74,00	10,38

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	58,46	29,71	3,57	<b>91,74</b>	---	---	---
2390	12,40	29,63	3,55	<b>45,58</b>	yes	54,00	8,42

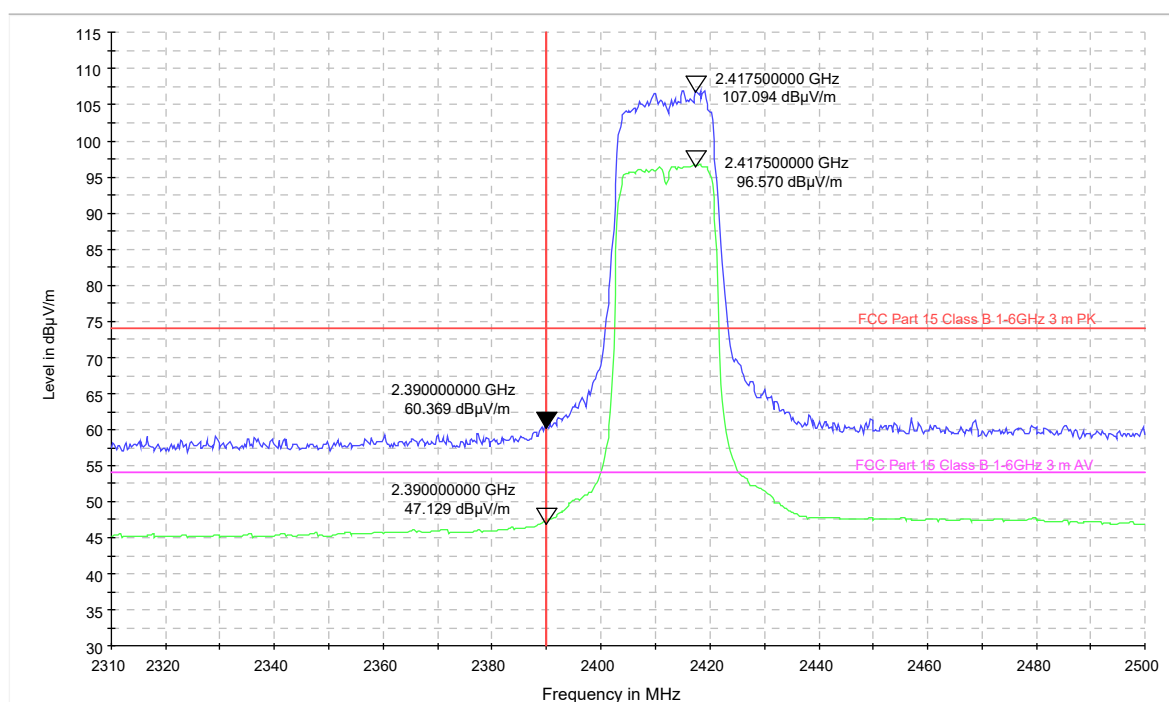


Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Low Channel (2412 MHz) – MCS0

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	73,81	29,71	3,57	<b>107,09</b>	---	---	---
2390	27,19	29,63	3,55	<b>60,37</b>	yes	74,00	13,63

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	63,29	29,71	3,57	<b>96,57</b>	---	---	---
2390	13,95	29,63	3,55	<b>47,13</b>	yes	54,00	6,87

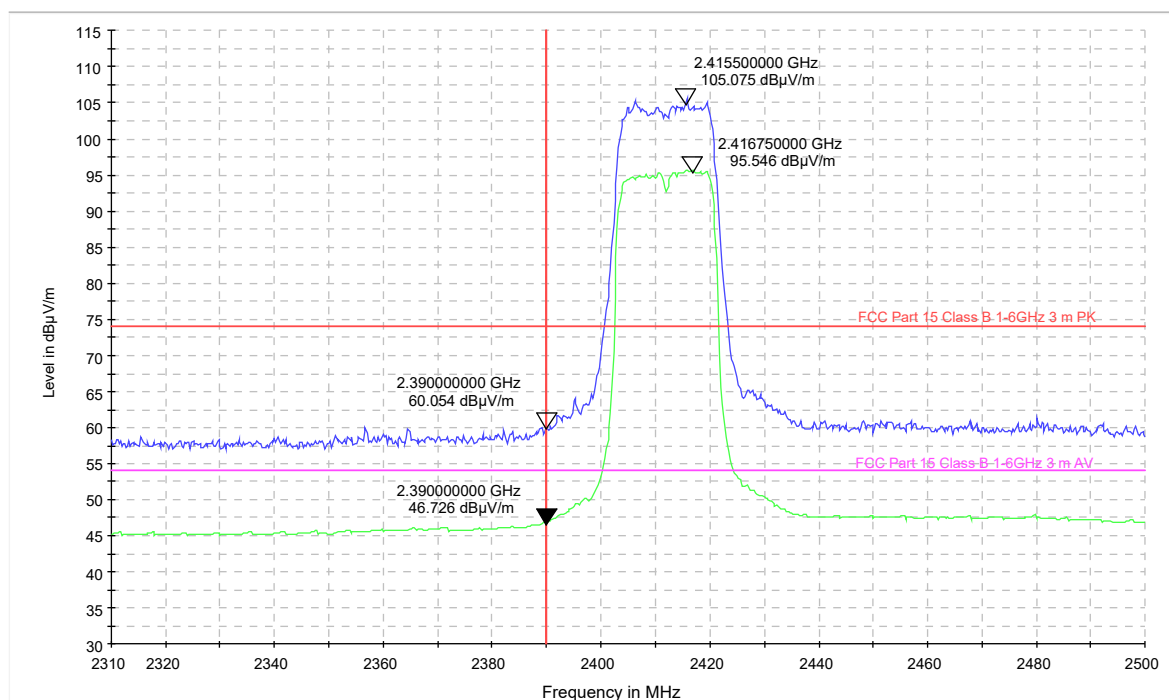


Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Low Channel (2412 MHz) – MCS2

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	71,79	29,71	3,57	<b>105,07</b>	---	---	---
2390	26,87	29,63	3,55	<b>60,05</b>	yes	74,00	13,95

AVERAGE RESULT (RBW=1MHz)

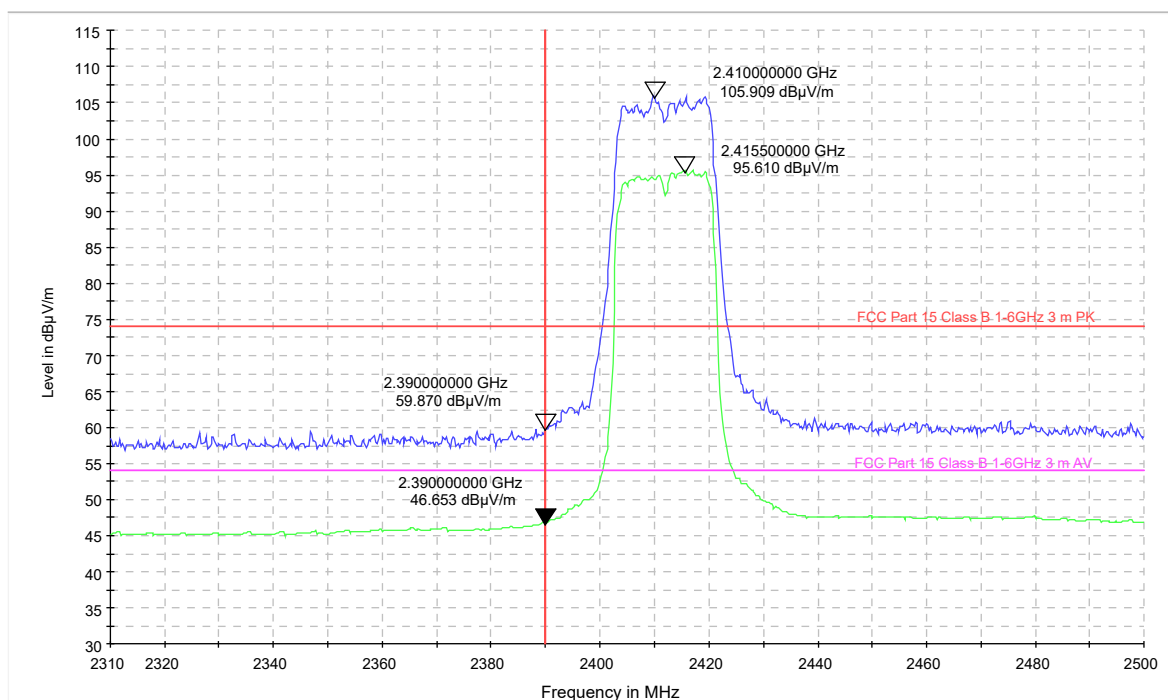
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	62,26	29,71	3,57	<b>95,54</b>	---	---	---
2390	13,54	29,63	3,55	<b>46,72</b>	yes	54,00	7,28

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Low Channel (2412 MHz) – MCS3

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	72,63	29,71	3,57	<b>105,91</b>	---	---	---
2390	26,63	29,63	3,55	<b>59,81</b>	yes	74,00	14,19

AVERAGE RESULT (RBW=1MHz)

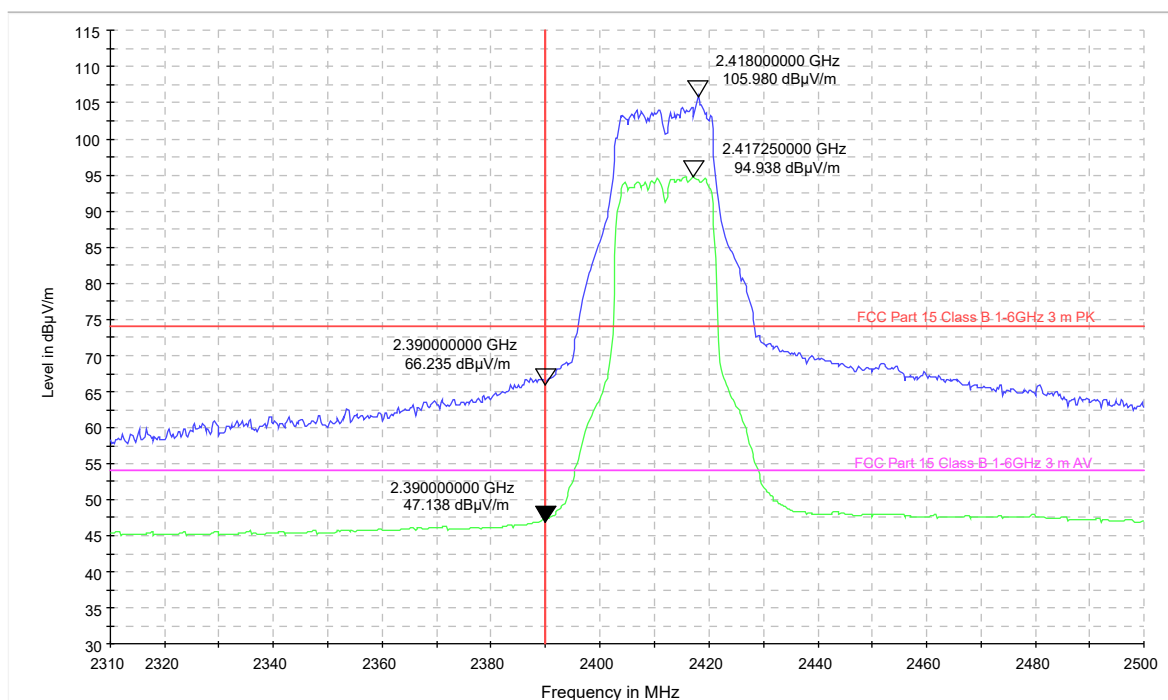
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	62,33	29,71	3,57	<b>95,61</b>	---	---	---
2390	13,47	29,63	3,55	<b>46,65</b>	yes	54,00	7,35

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Low Channel (2412 MHz) – MCS4

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	72,70	29,71	3,57	<b>105,98</b>	---	---	---
2390	33,05	29,63	3,55	<b>66,23</b>	yes	74,00	7,77

AVERAGE RESULT (RBW=1MHz)

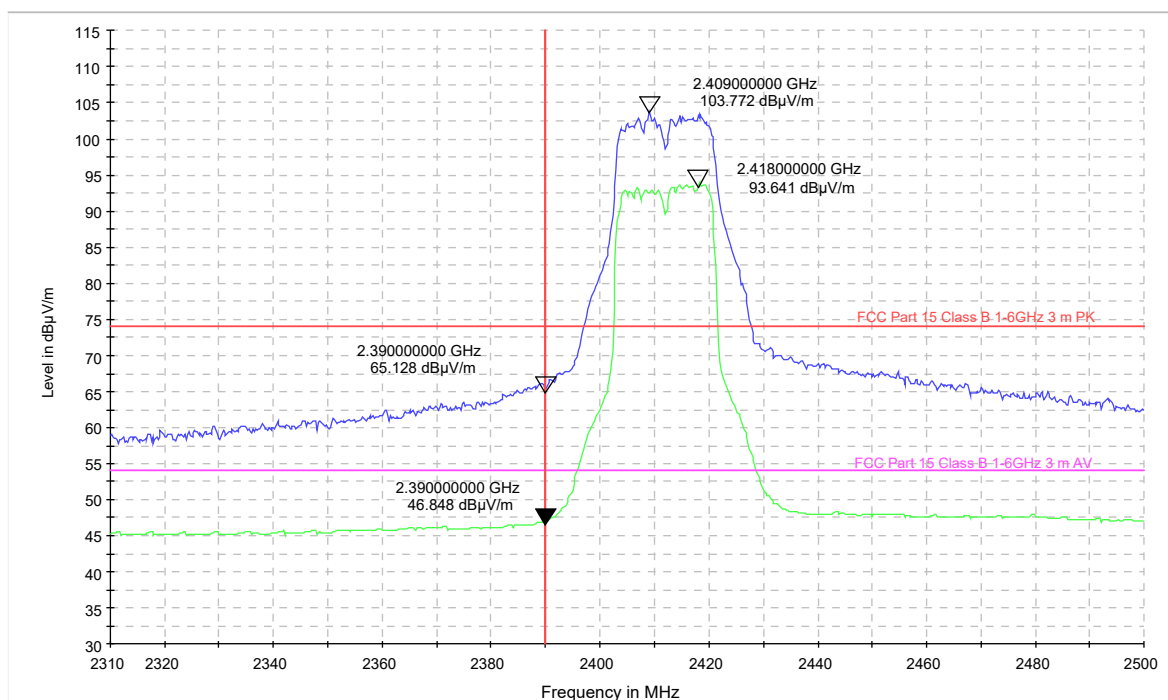
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	61,65	29,71	3,57	<b>94,93</b>	---	---	---
2390	13,95	29,63	3,55	<b>47,13</b>	yes	54,00	6,87

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Low Channel (2412 MHz) – MCS5

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	70,49	29,71	3,57	<b>103,77</b>	---	---	---
2390	31,94	29,63	3,55	<b>65,12</b>	yes	74,00	8,88

AVERAGE RESULT (RBW=1MHz)

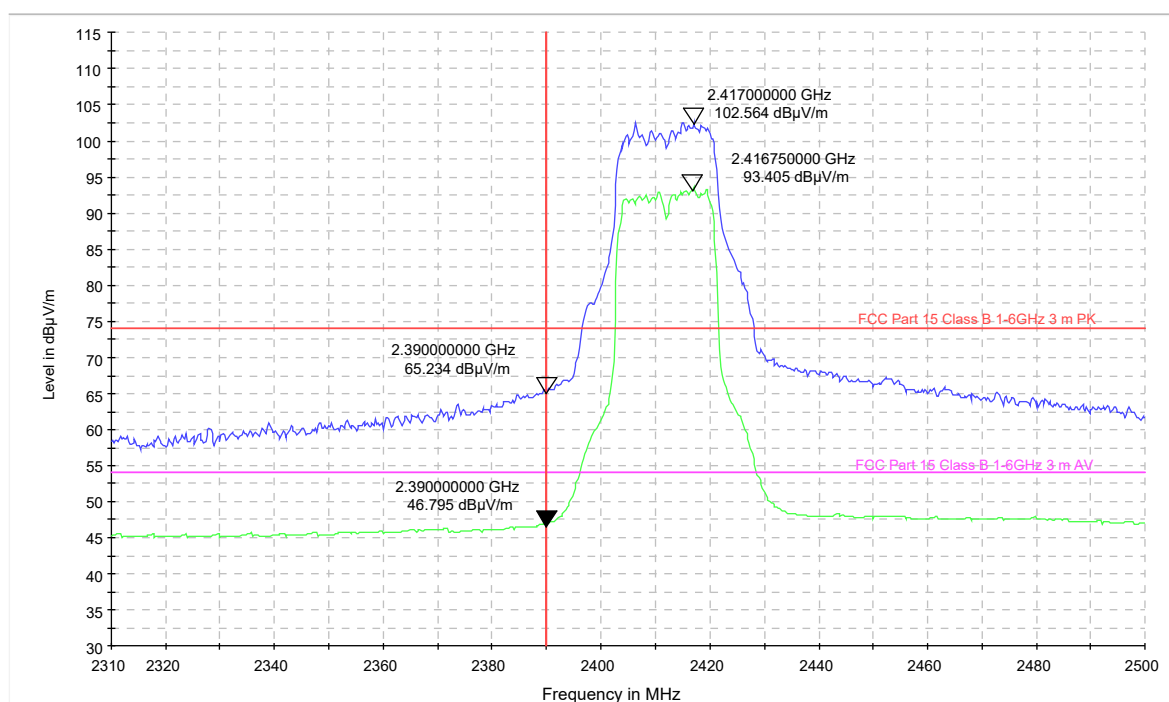
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	60,36	29,71	3,57	<b>93,64</b>	---	---	---
2390	13,66	29,63	3,55	<b>46,84</b>	yes	54,00	7,16

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Low Channel (2412 MHz) – MCS6

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	69,28	29,71	3,57	<b>102,56</b>	---	---	---
2390	32,05	29,63	3,55	<b>65,23</b>	yes	74,00	8,77

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	60,12	29,71	3,57	<b>93,40</b>	---	---	---
2390	13,61	29,63	3,55	<b>46,79</b>	yes	54,00	7,21

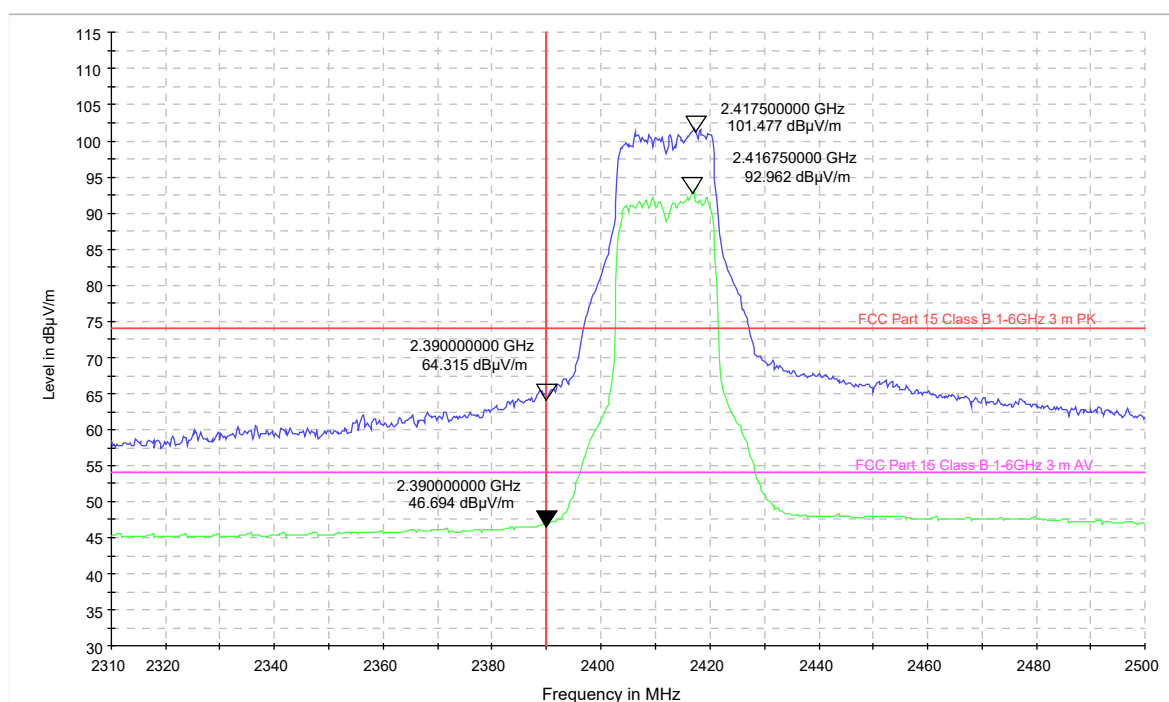


Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Low Channel (2412 MHz) – MCS7

Frequency: 2,31GHz – 2,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	68,19	29,71	3,57	<b>101,47</b>	---	---	---
2390	31,13	29,63	3,55	<b>64,31</b>	yes	74,00	9,69

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2412	59,68	29,71	3,57	<b>92,96</b>	---	---	---
2390	13,51	29,63	3,55	<b>46,69</b>	yes	54,00	7,31

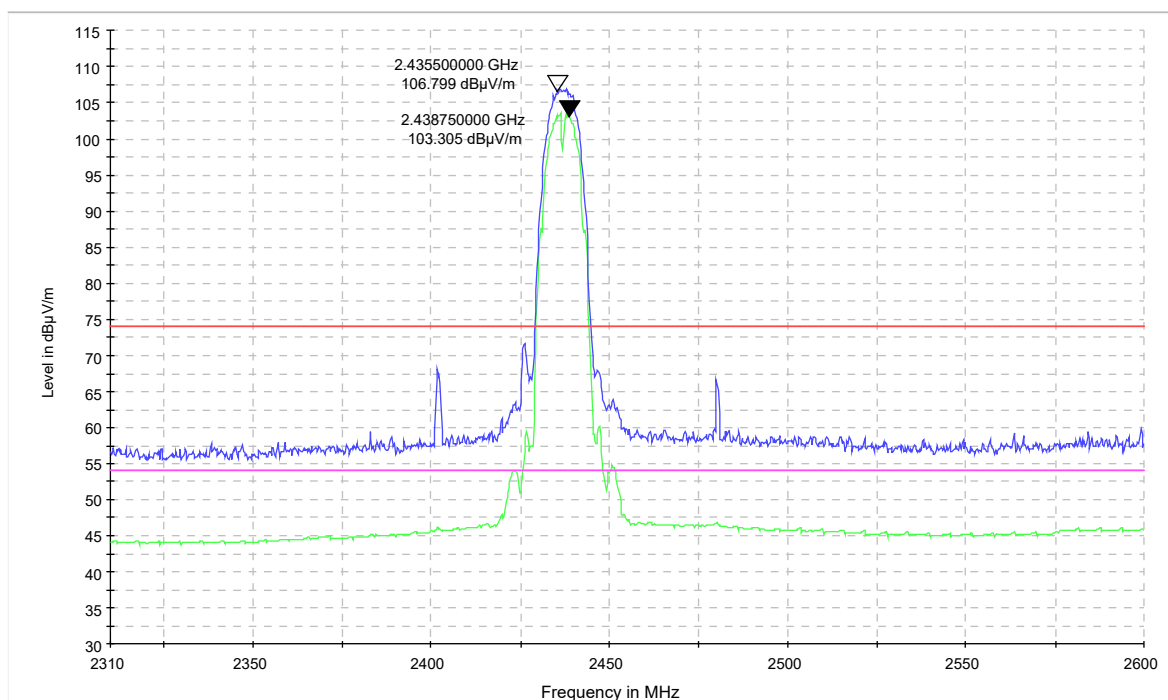


Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Middle Channel (2437 MHz) – 1Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	73,52	29,76	3,59	<b>106,80</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

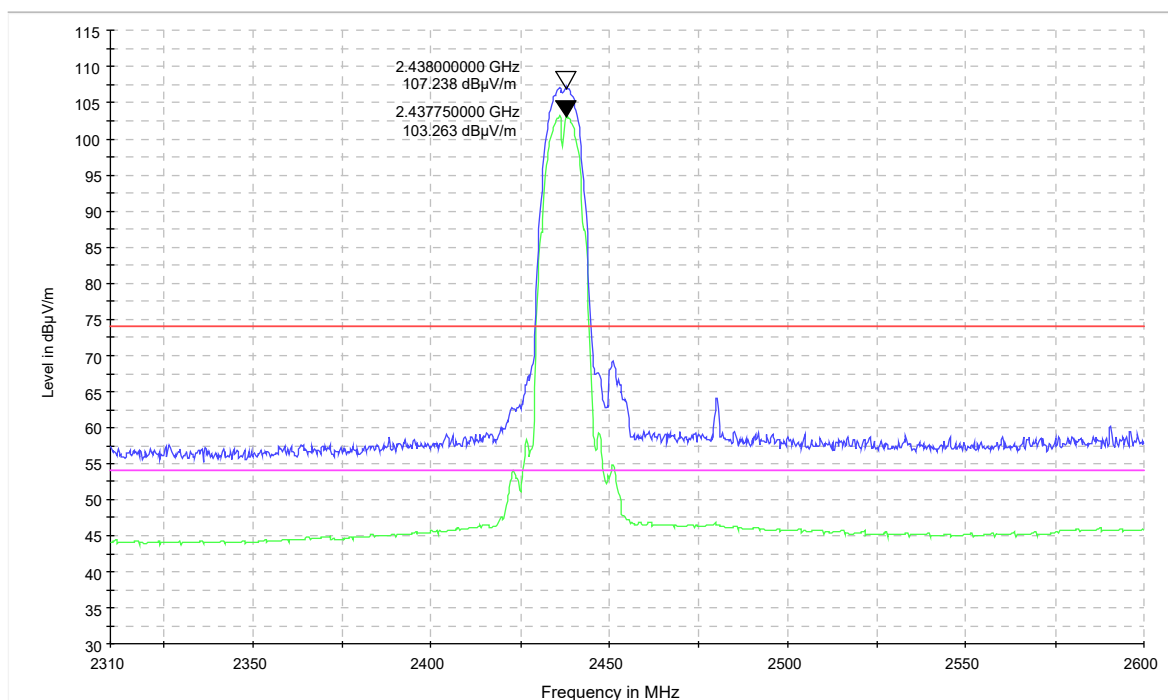
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	70,02	29,76	3,59	<b>103,30</b>	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Middle Channel (2437 MHz) – 2Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	73,95	29,76	3,59	<b>107,23</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

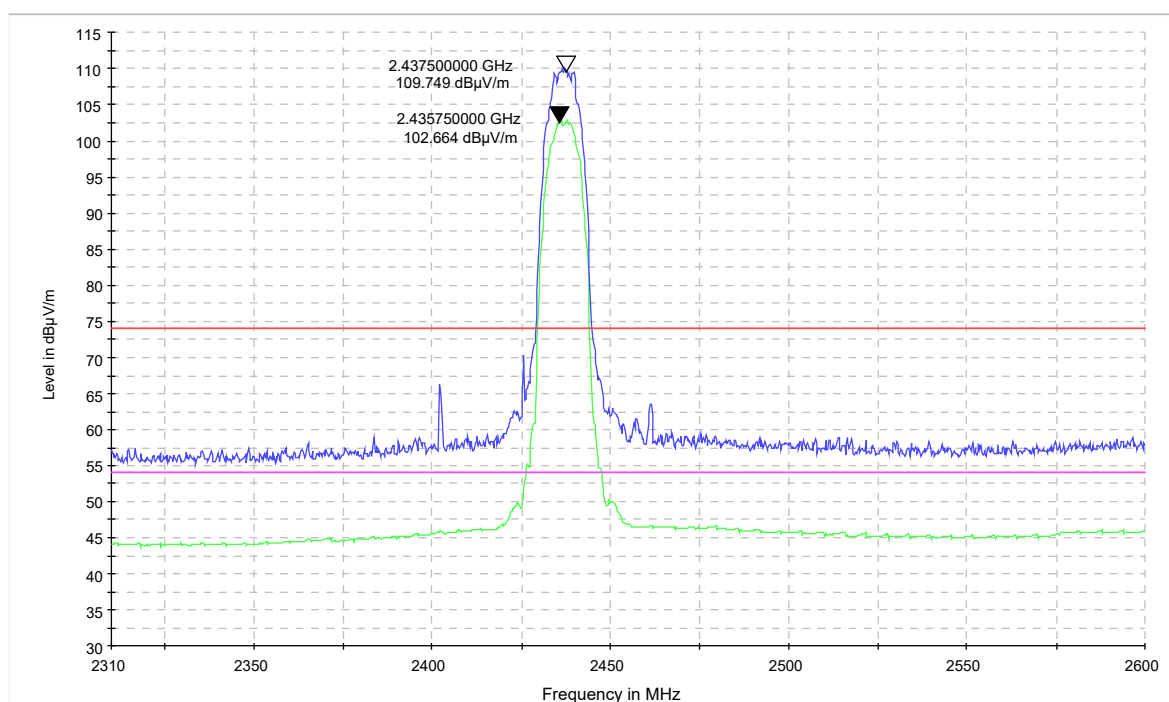
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	69,98	29,76	3,59	<b>103,26</b>	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Middle Channel (2437 MHz) – 5,5Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	76,47	29,76	3,59	<b>109,75</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

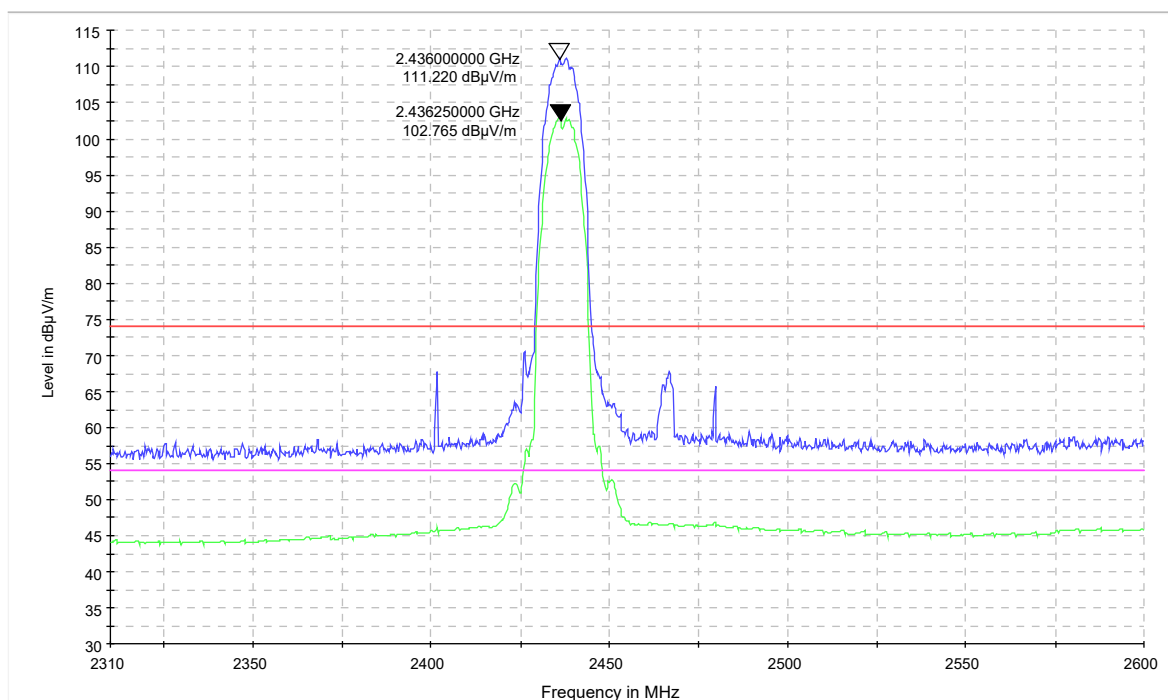
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	69,38	29,76	3,59	<b>102,66</b>	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Middle Channel (2437 MHz) – 11Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	77,94	29,76	3,59	111,22	---	---	---

AVERAGE RESULT (RBW=1MHz)

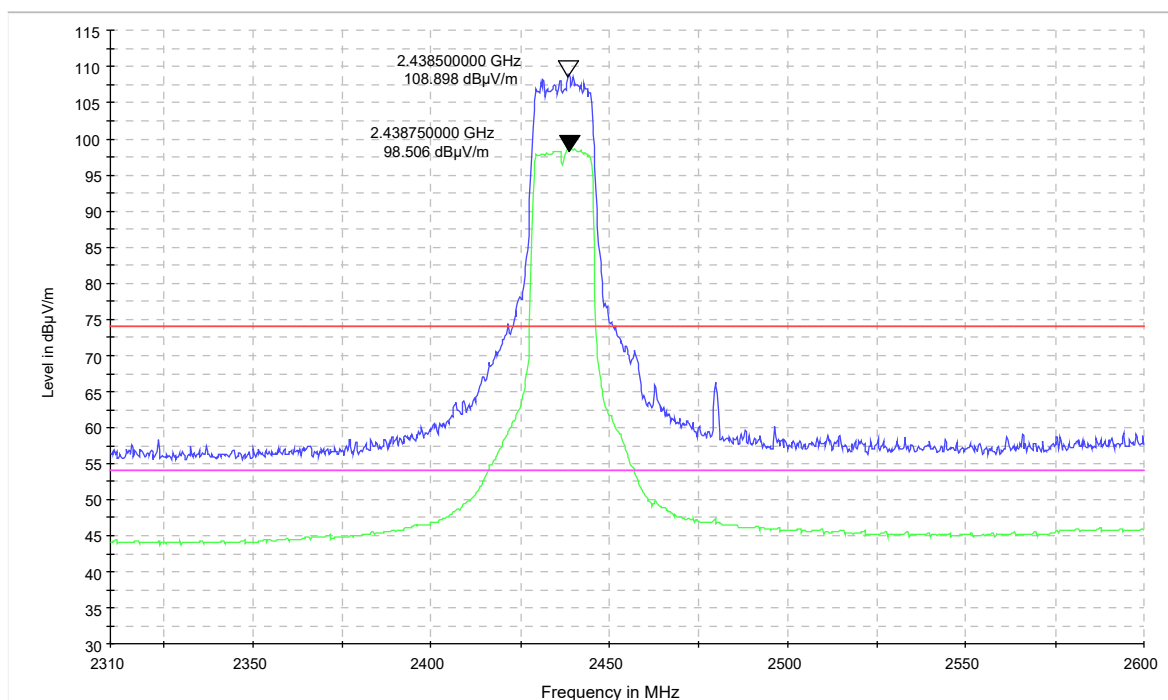
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	69,48	29,76	3,59	102,76	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Middle Channel (2437 MHz) – 6Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	75,61	29,76	3,59	108,89	---	---	---

AVERAGE RESULT (RBW=1MHz)

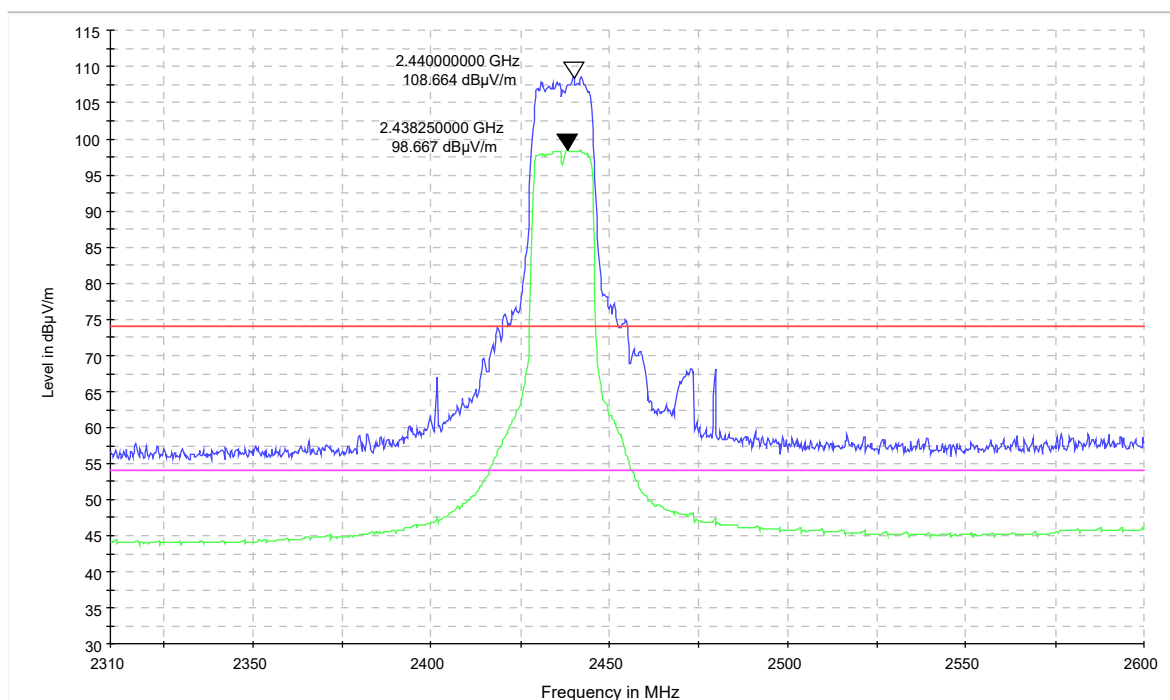
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	65,22	29,76	3,59	98,50	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Middle Channel (2437 MHz) – 9Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	75,38	29,76	3,59	<b>108,66</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

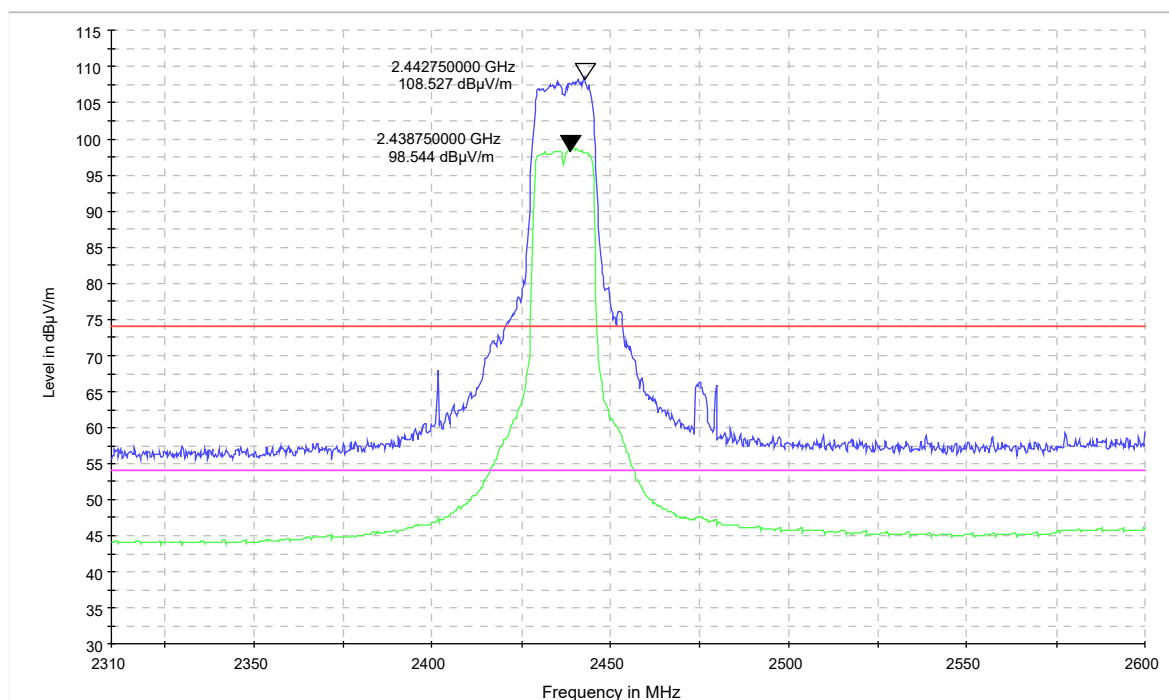
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	65,38	29,76	3,59	<b>98,66</b>	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Middle Channel (2437 MHz) – 12Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	75,24	29,76	3,59	108,52	---	---	---

AVERAGE RESULT (RBW=1MHz)

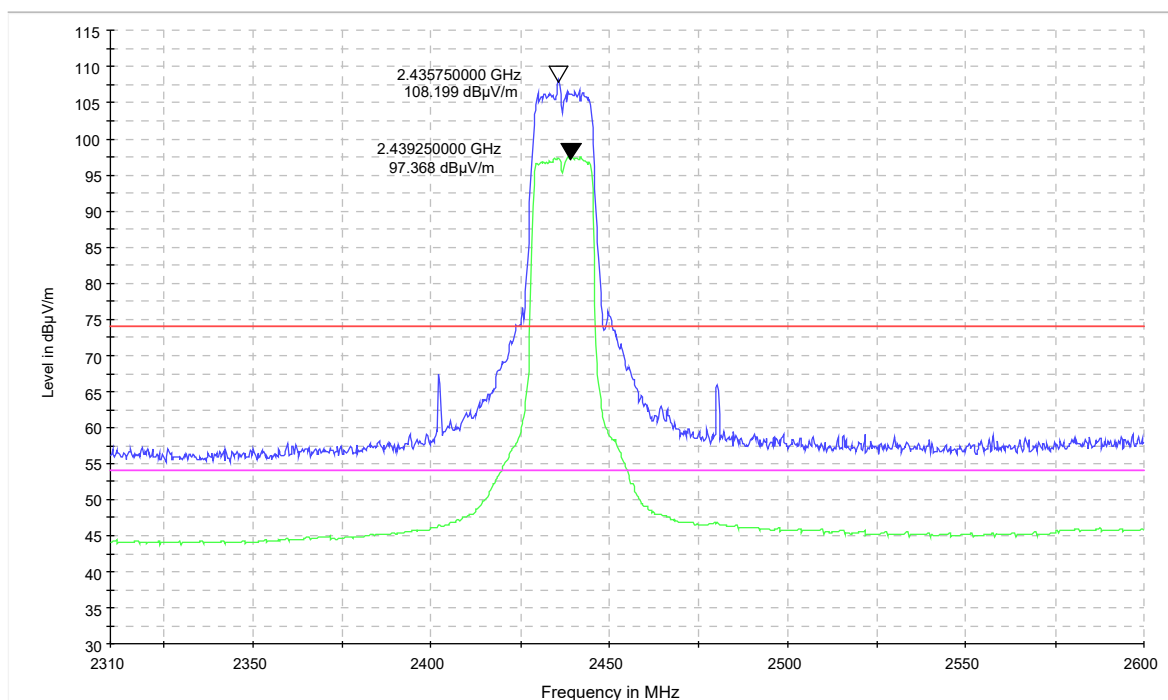
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	65,26	29,76	3,59	98,54	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Middle Channel (2437 MHz) – 18Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	74,92	29,76	3,59	<b>108,20</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	64,08	29,76	3,59	<b>97,36</b>	---	---	---

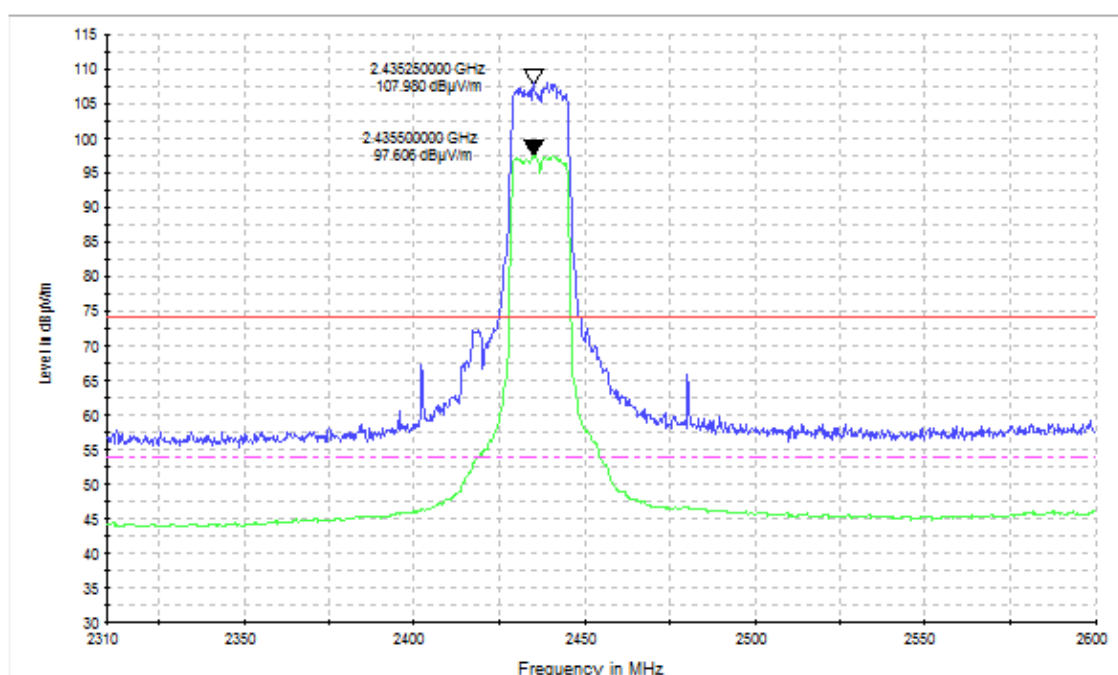


Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Middle Channel (2437 MHz) – 24Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	74,70	29,76	3,59	107,98	---	---	---

AVERAGE RESULT (RBW=1MHz)

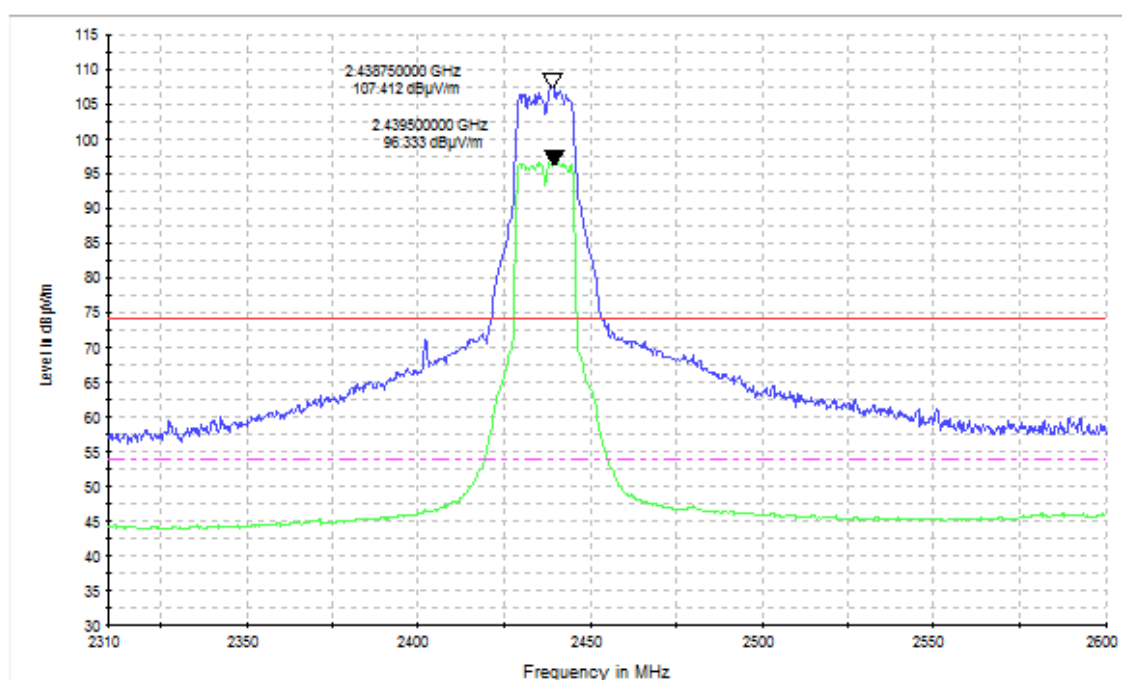
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	64,32	29,76	3,59	97,60	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Middle Channel (2437 MHz) – 36Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



**PEAK RESULT (RBW=1MHz)**

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	74,13	29,76	3,59	<b>107,41</b>	---	---	---

**AVERAGE RESULT (RBW=1MHz)**

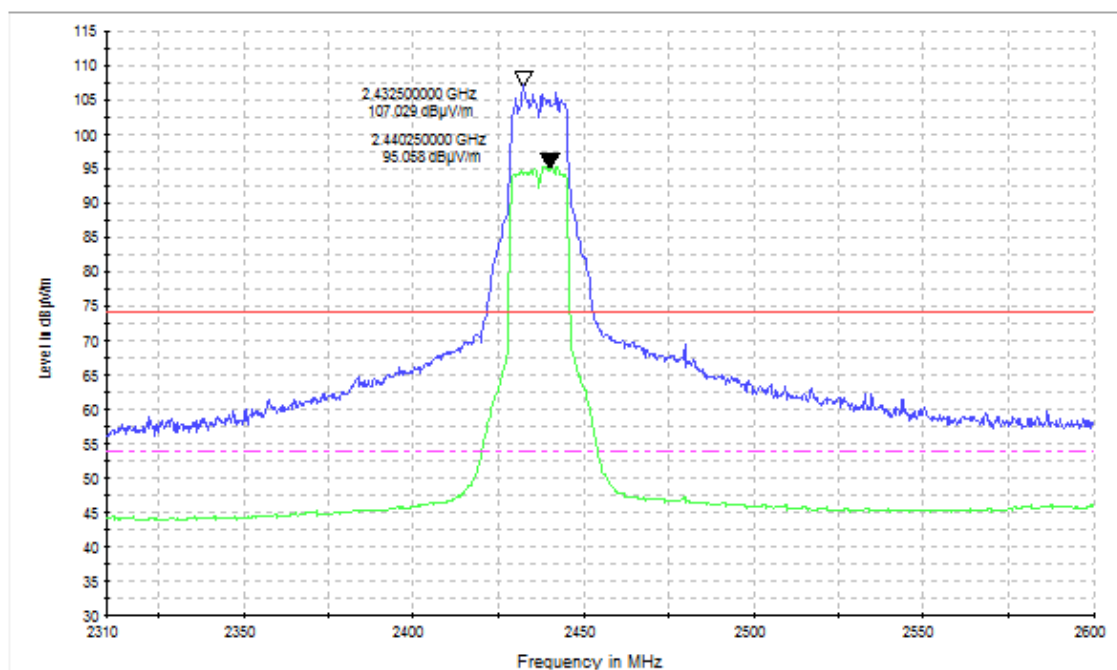
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	63,05	29,76	3,59	<b>96,33</b>	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Middle Channel (2437 MHz) – 48Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	73,75	29,76	3,59	107,03	---	---	---

AVERAGE RESULT (RBW=1MHz)

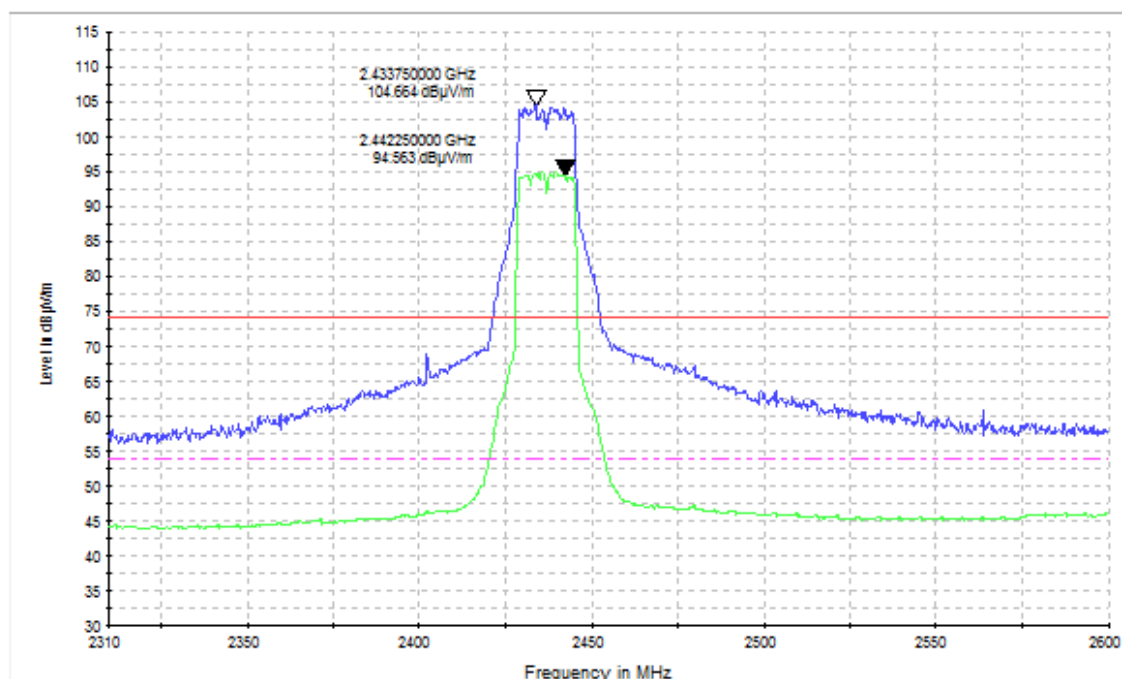
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	61,77	29,76	3,59	95,05	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Middle Channel (2437 MHz) – 54Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	71,38	29,76	3,59	104,66	---	---	---

AVERAGE RESULT (RBW=1MHz)

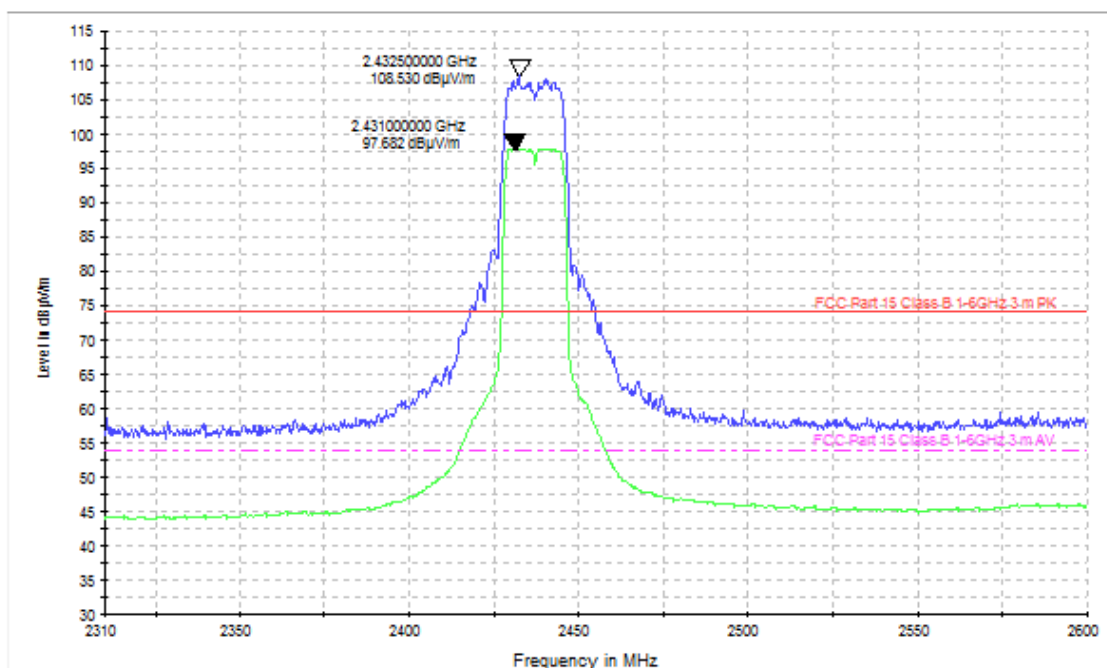
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	61,28	29,76	3,59	94,56	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS0

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	75,25	29,76	3,59	<b>108,53</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

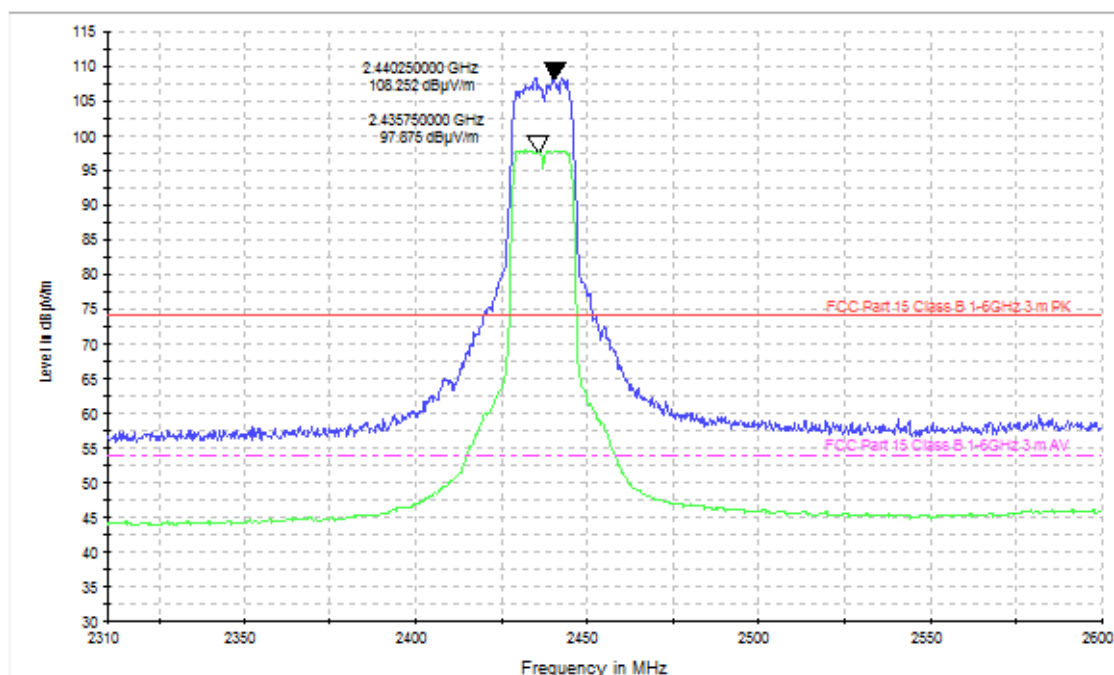
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	64,40	29,76	3,59	<b>97,68</b>	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS1

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	74,97	29,76	3,59	<b>108,25</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

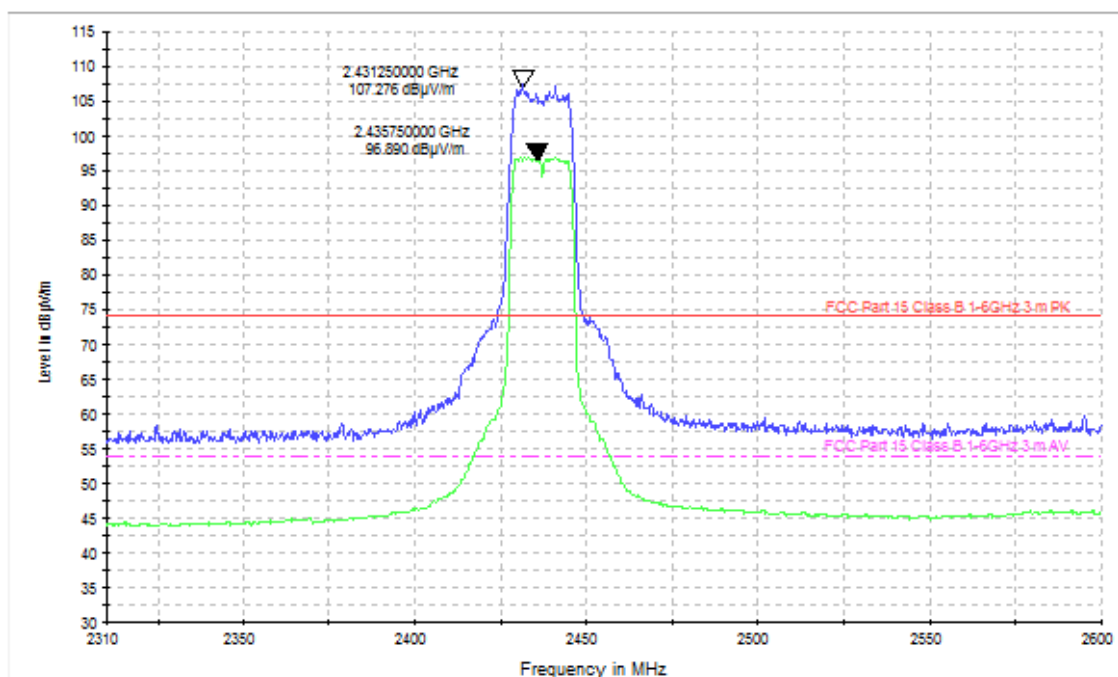
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	64,59	29,76	3,59	<b>97,87</b>	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS2

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	73,99	29,76	3,59	<b>107,27</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	63,61	29,76	3,59	<b>96,89</b>	---	---	---

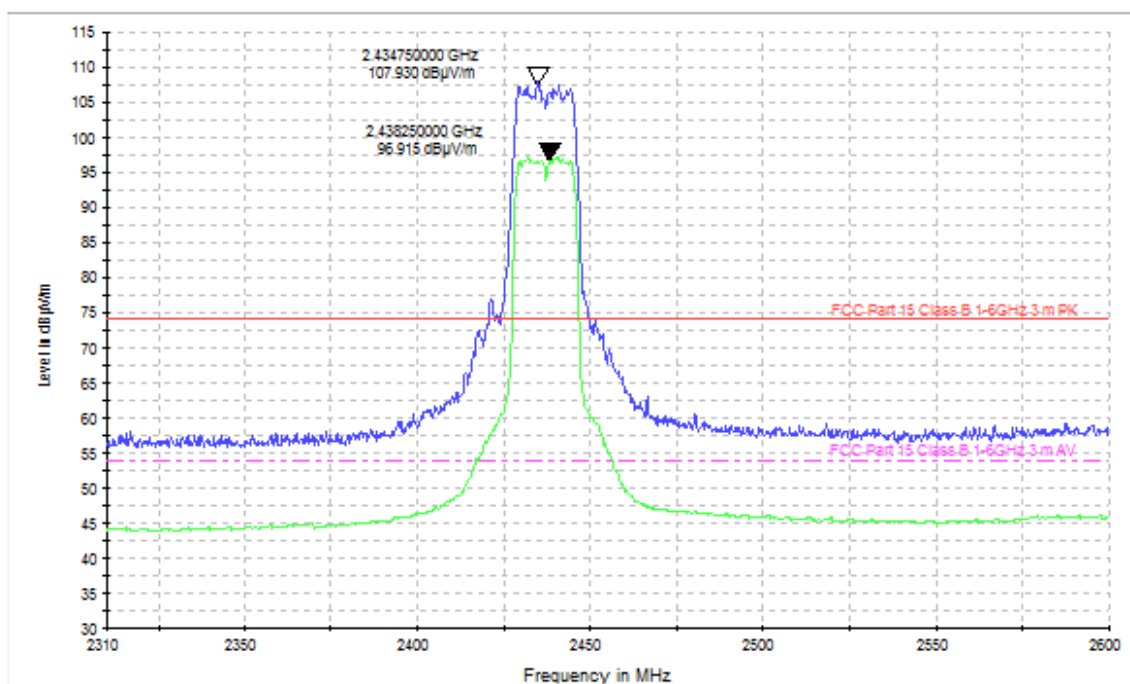


Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS3

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	74,65	29,76	3,59	<b>107,93</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	63,63	29,76	3,59	<b>96,91</b>	---	---	---

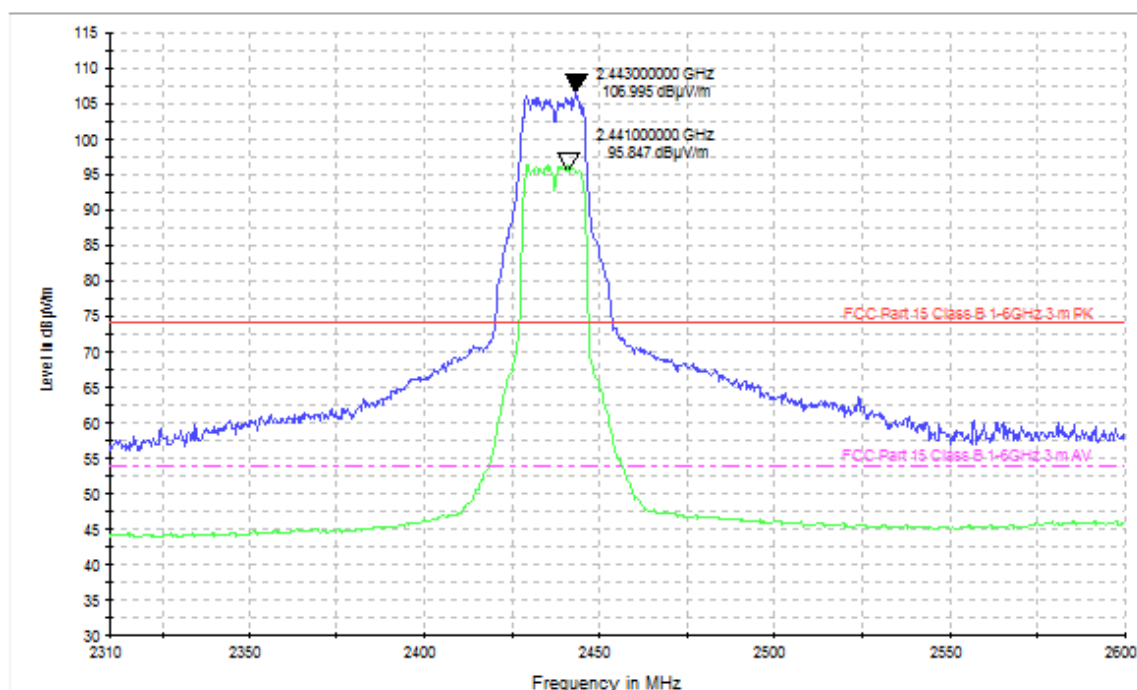


Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS4

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	73,71	29,76	3,59	<b>106,99</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

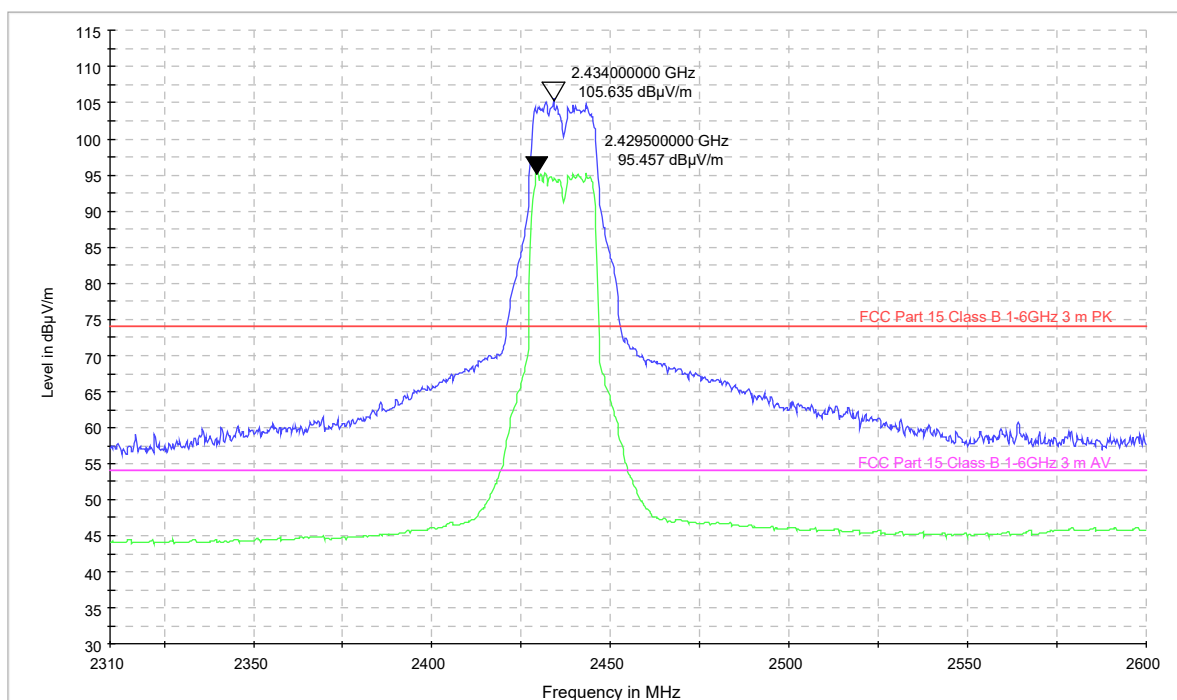
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
2437	62,56	29,76	3,59	<b>95,84</b>	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS5

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	72,35	29,76	3,59	<b>105,63</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

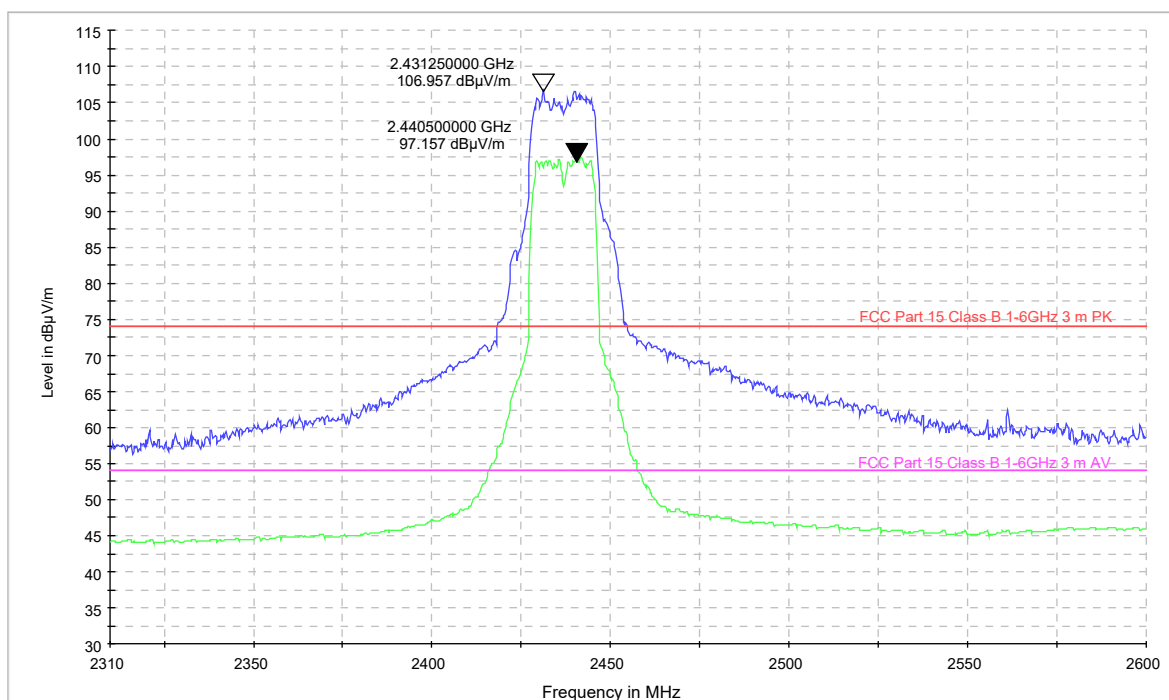
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	62,19	29,76	3,59	<b>95,47</b>	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS6

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	73,67	29,76	3,59	<b>106,95</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

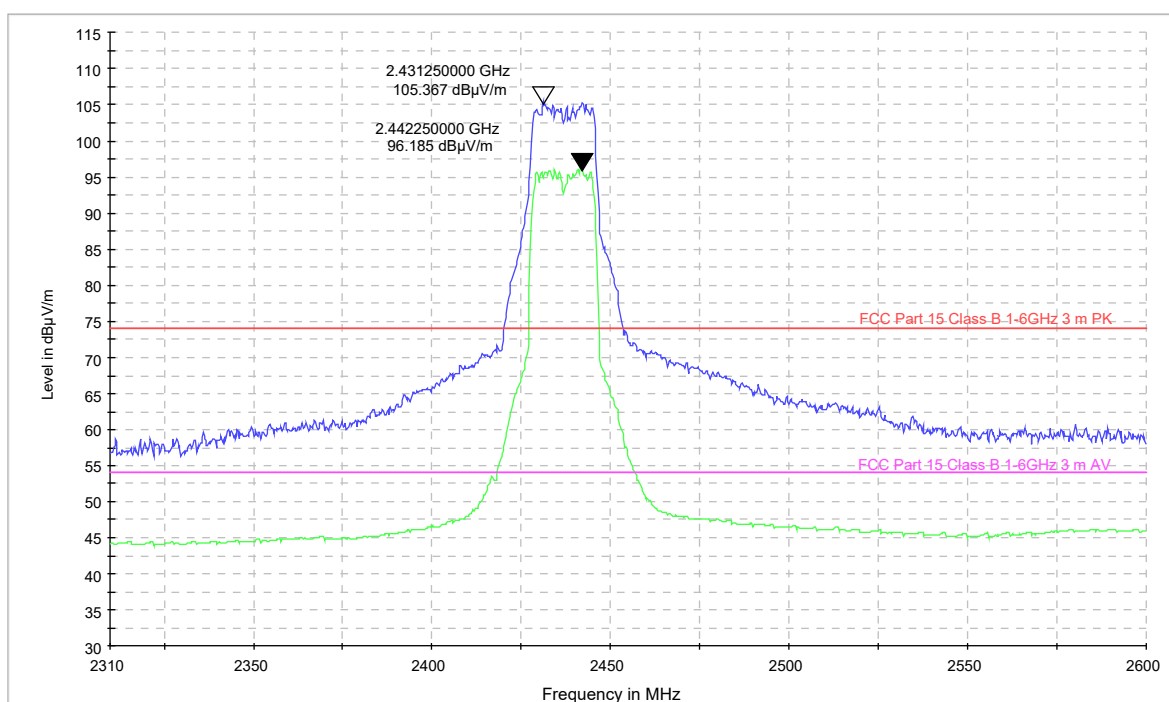
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	63,87	29,76	3,59	<b>97,15</b>	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS7

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	72,08	29,76	3,59	<b>105,36</b>	---	---	---

AVERAGE RESULT (RBW=1MHz)

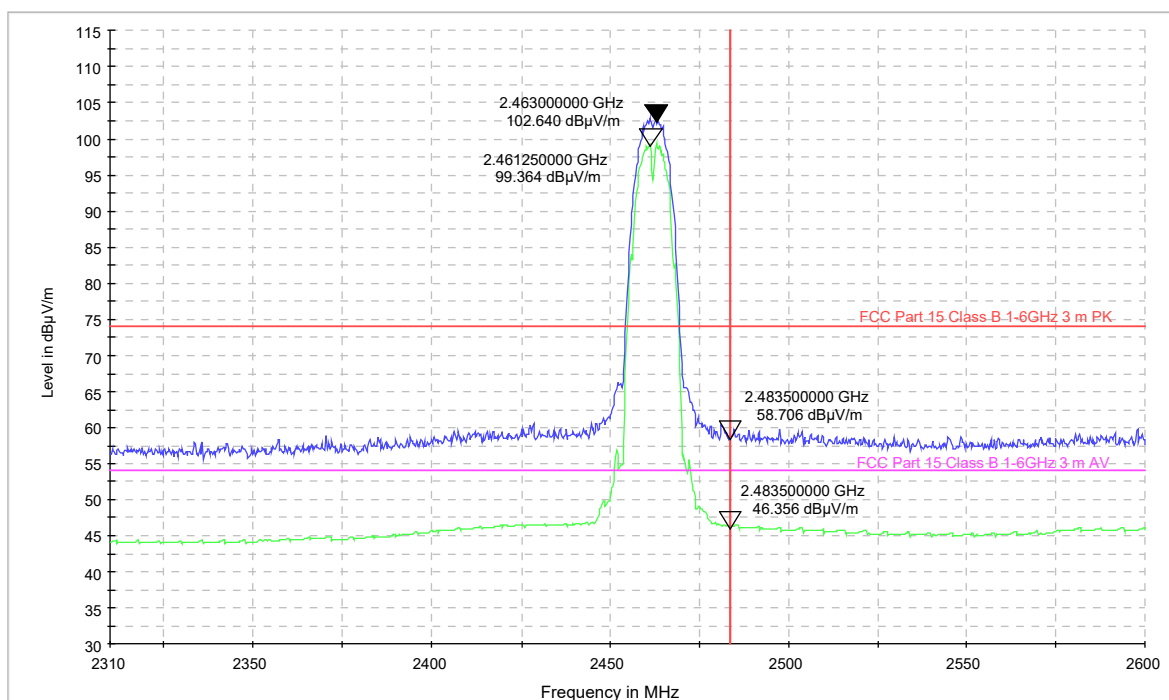
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2437	62,90	29,76	3,59	<b>96,18</b>	---	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – High Channel (2462 MHz) – 1Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	69,34	29,68	3,62	<b>102,64</b>	---	---	---
2483,5	25,26	29,80	3,64	<b>58,70</b>	yes	74,00	15,30

AVERAGE RESULT (RBW=1MHz)

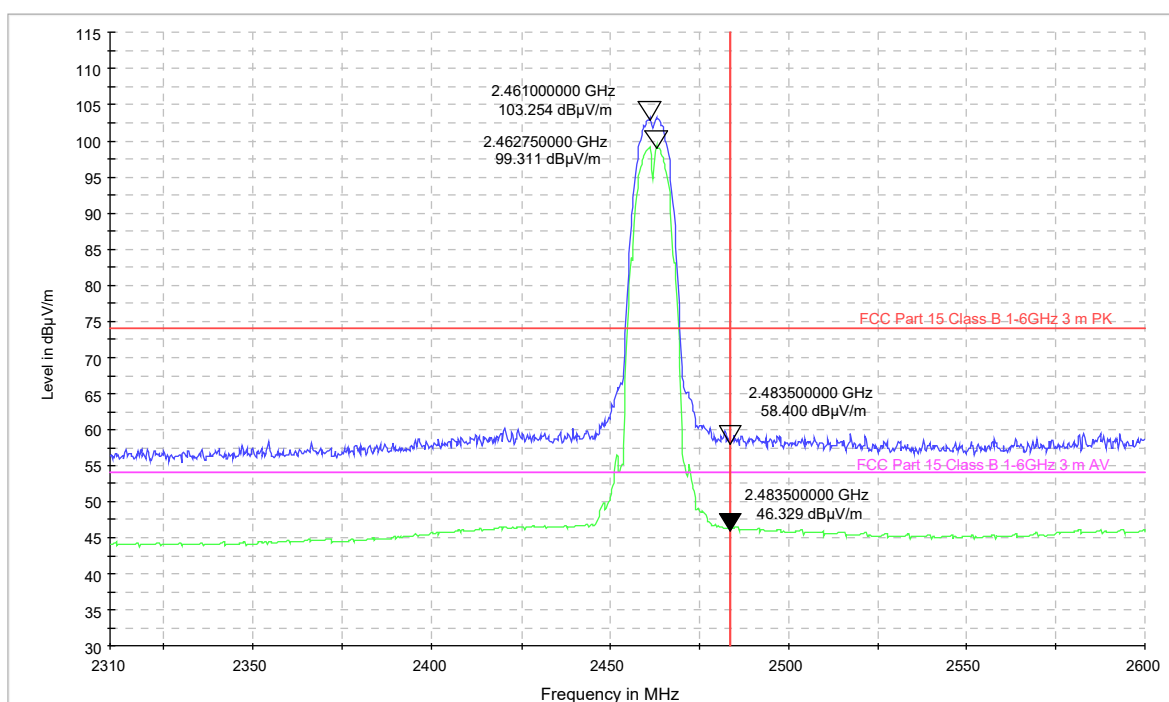
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	66,06	29,68	3,62	<b>99,36</b>	---	---	---
2483,5	12,91	29,80	3,64	<b>46,35</b>	yes	54,00	7,65

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – High Channel (2462 MHz) – 2Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	69,95	29,68	3,62	<b>103,25</b>	---	---	---
2483,5	24,96	29,80	3,64	<b>58,40</b>	yes	74,00	15,60

AVERAGE RESULT (RBW=1MHz)

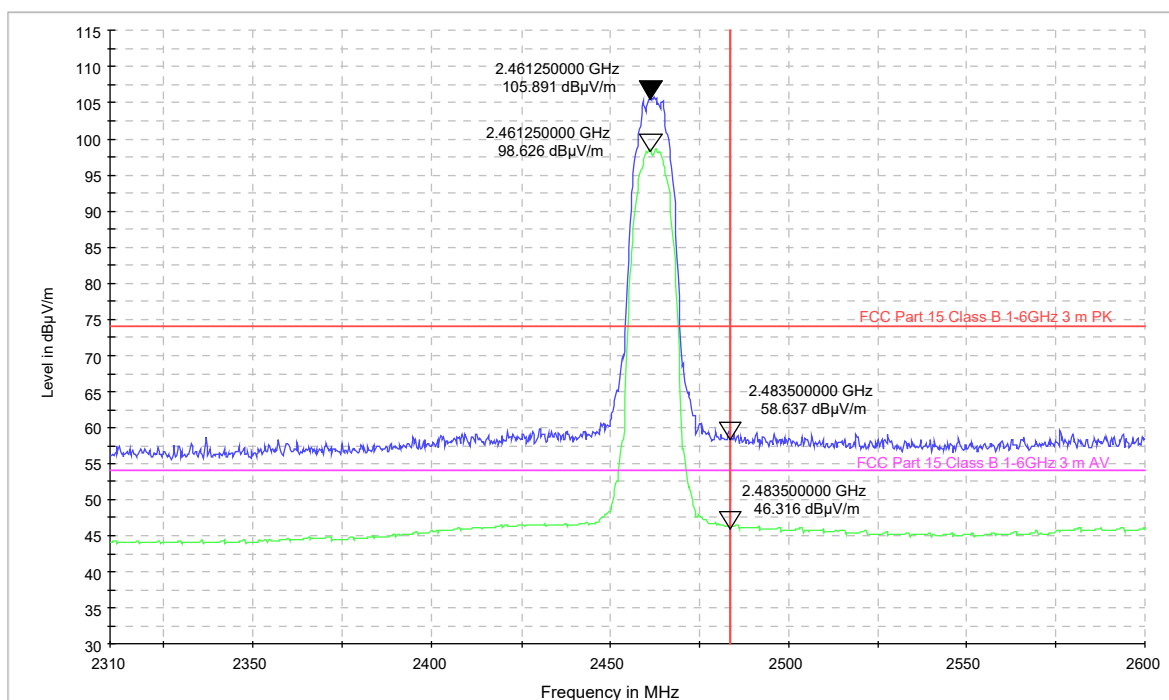
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	66,01	29,68	3,62	<b>99,31</b>	---	---	---
2483,5	12,89	29,80	3,64	<b>46,33</b>	yes	54,00	7,67

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – High Channel (2462 MHz) – 5,5Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	72,59	29,68	3,62	<b>105,89</b>	---	---	---
2483,5	25,19	29,80	3,64	<b>58,63</b>	yes	74,00	15,37

AVERAGE RESULT (RBW=1MHz)

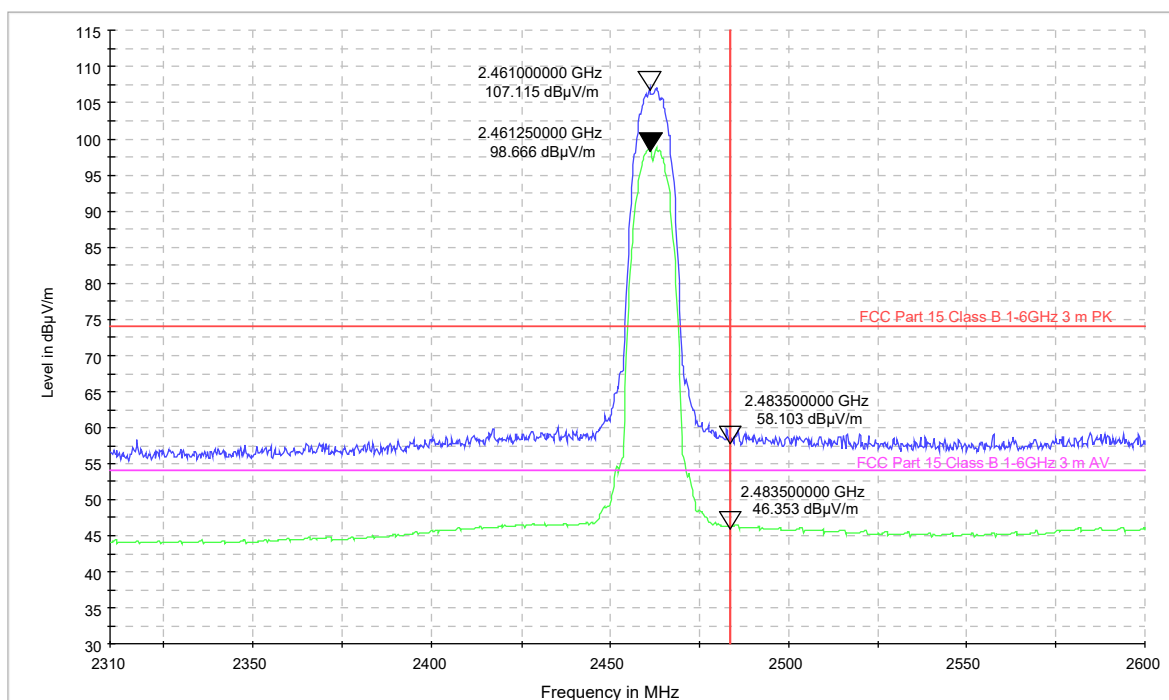
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	65,32	29,68	3,62	<b>98,62</b>	---	---	---
2483,5	12,87	29,80	3,64	<b>46,31</b>	yes	54,00	7,69

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – High Channel (2462 MHz) – 11Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	73,81	29,68	3,62	<b>107,11</b>	---	---	---
2483,5	24,66	29,80	3,64	<b>58,10</b>	yes	74,00	15,90

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	65,36	29,68	3,62	<b>98,66</b>	---	---	---
2483,5	12,91	29,80	3,64	<b>46,35</b>	yes	54,00	7,65

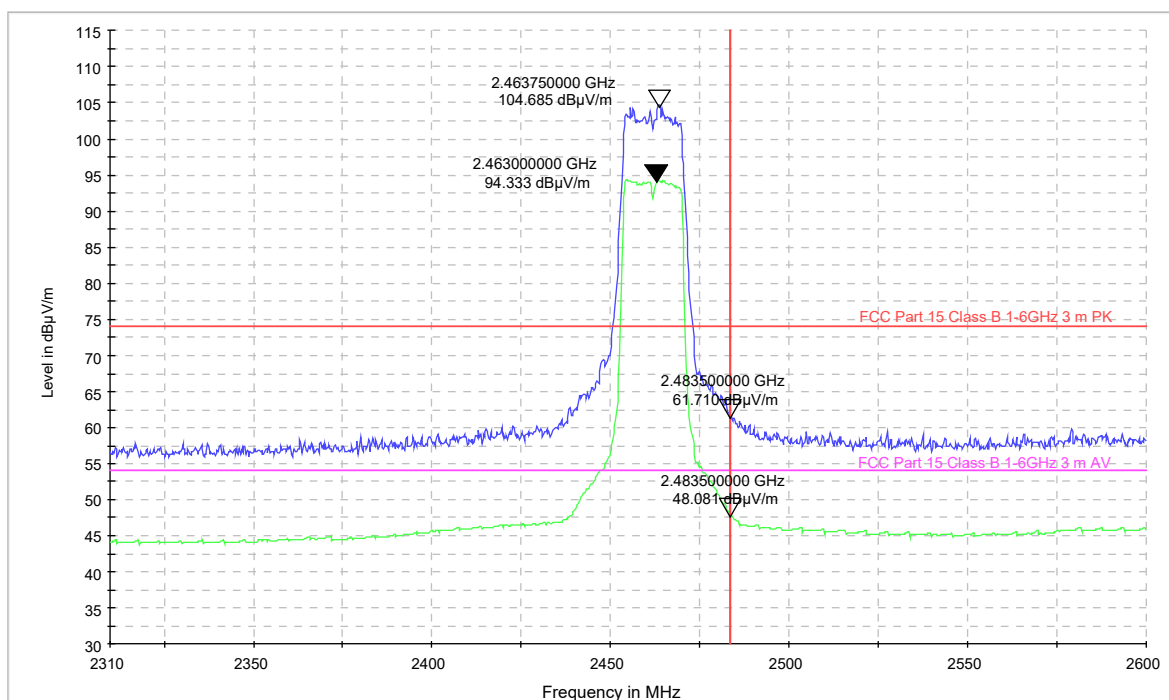


Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – High Channel (2462 MHz) – 6Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	71,38	29,68	3,62	<b>104,68</b>	---	---	---
2483,5	28,27	29,80	3,64	<b>61,71</b>	yes	74,00	12,29

AVERAGE RESULT (RBW=1MHz)

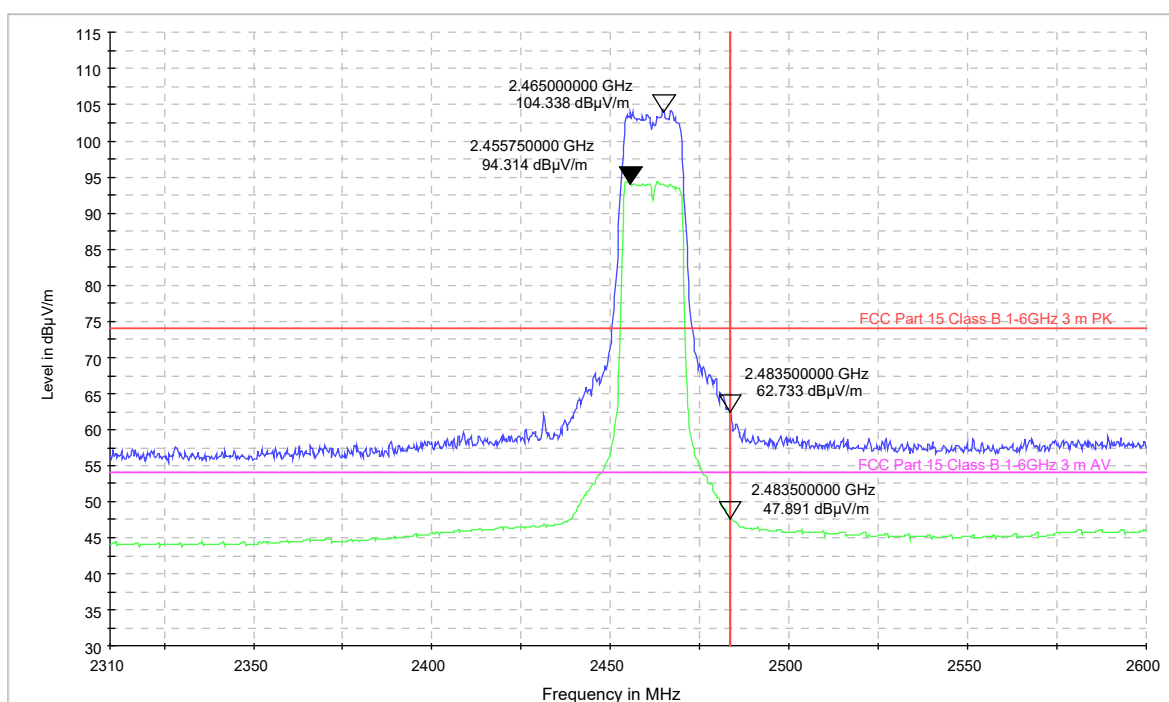
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	61,03	29,68	3,62	<b>94,33</b>	---	---	---
2483,5	14,64	29,80	3,64	<b>48,08</b>	yes	54,00	5,92

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – High Channel (2462 MHz) – 9Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	71,03	29,68	3,62	<b>104,33</b>	---	---	---
2483,5	29,29	29,80	3,64	<b>62,73</b>	yes	74,00	11,27

AVERAGE RESULT (RBW=1MHz)

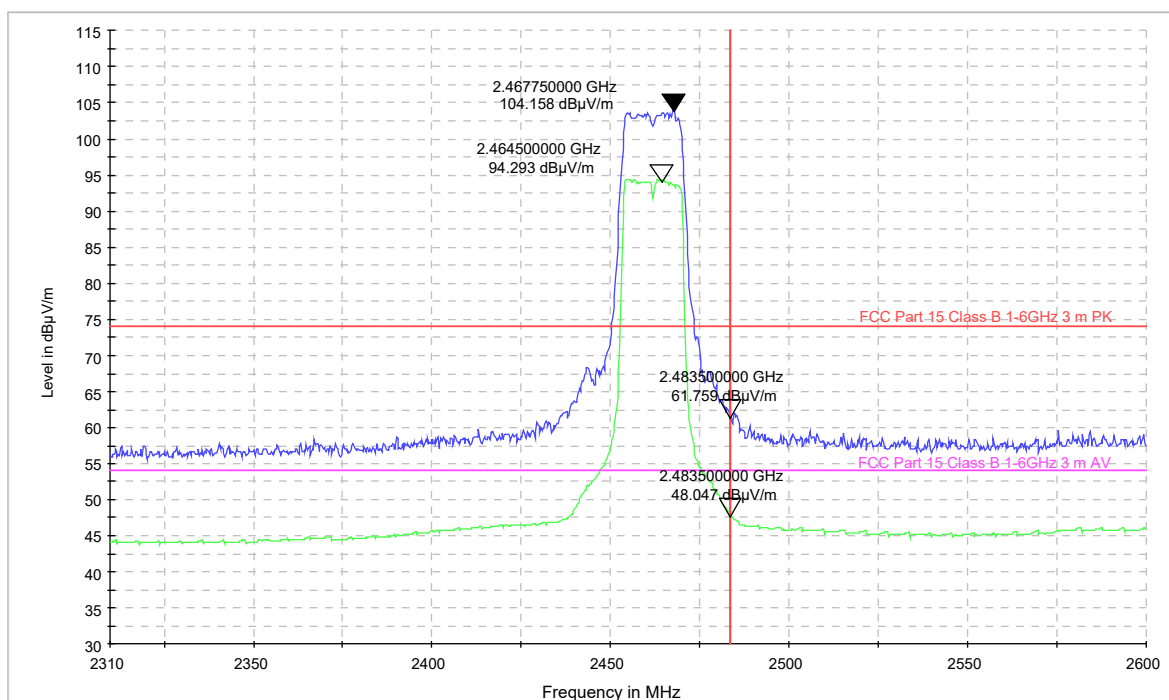
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	61,01	29,68	3,62	<b>94,31</b>	---	---	---
2483,5	14,45	29,80	3,64	<b>47,89</b>	yes	54,00	6,11

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – High Channel (2462 MHz) – 12Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	70,85	29,68	3,62	<b>104,15</b>	---	---	---
2483,5	28,32	29,80	3,64	<b>61,76</b>	yes	74,00	12,24

AVERAGE RESULT (RBW=1MHz)

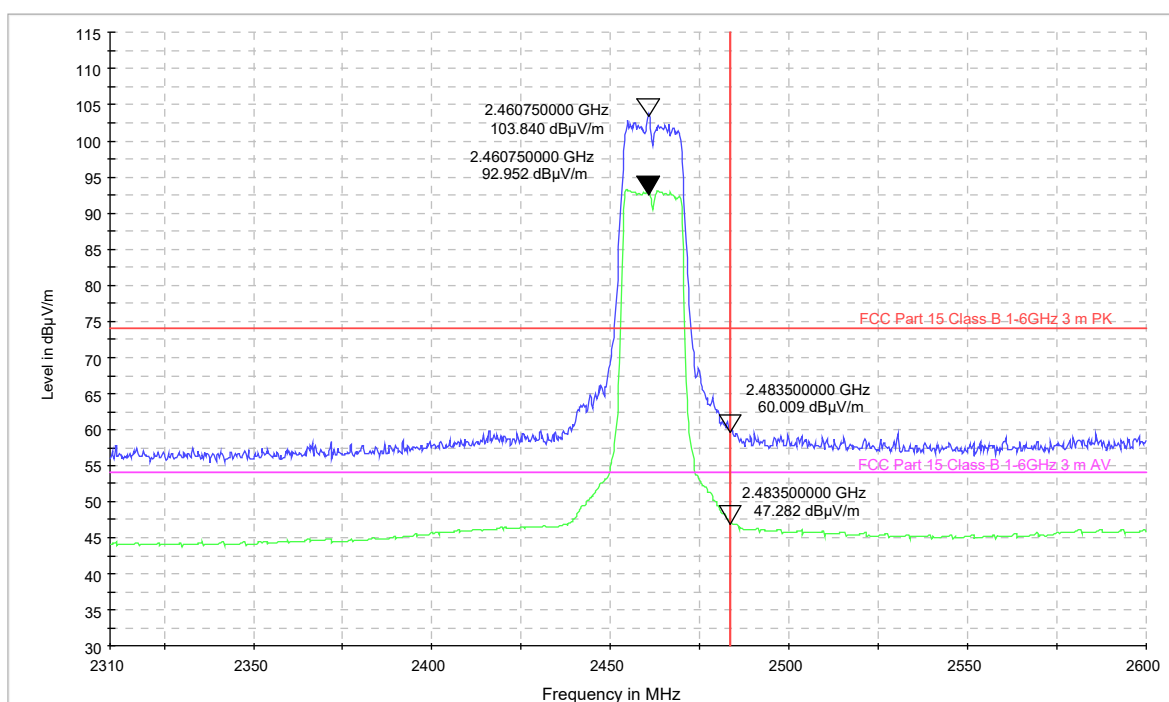
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	60,99	29,68	3,62	<b>94,29</b>	---	---	---
2483,5	14,60	29,80	3,64	<b>48,04</b>	yes	54,00	5,96

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – High Channel (2462 MHz) – 18Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	70,54	29,68	3,62	<b>103,84</b>	---	---	---
2483,5	26,57	29,80	3,64	<b>60,01</b>	yes	74,00	13,99

AVERAGE RESULT (RBW=1MHz)

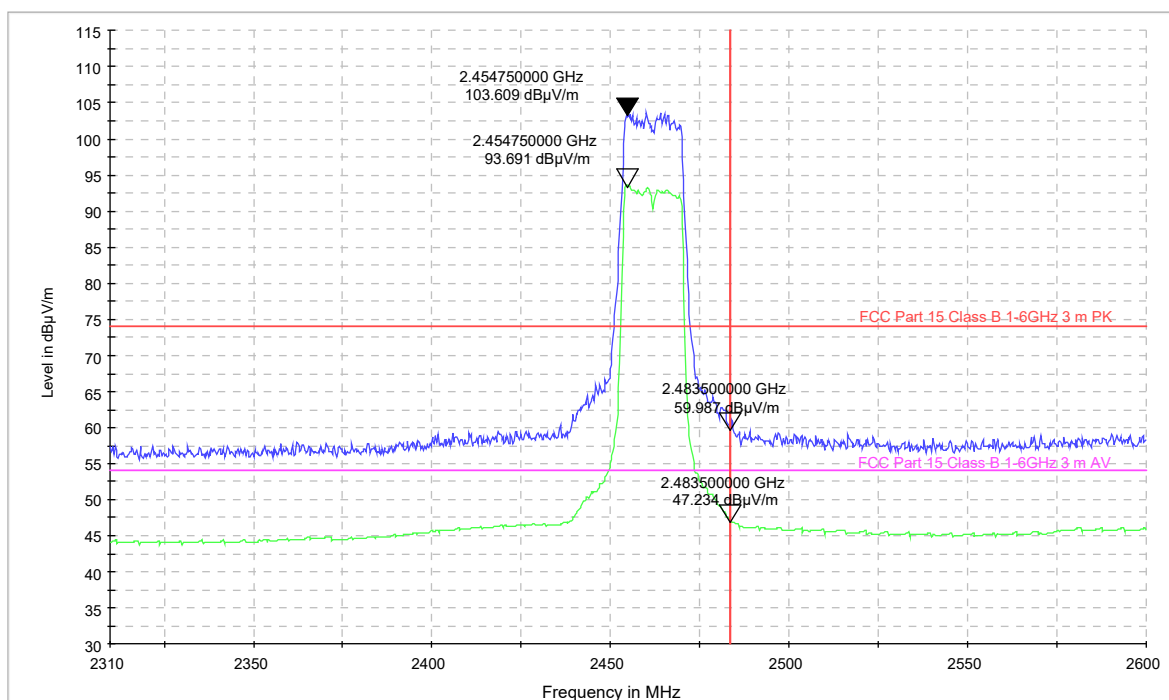
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	59,65	29,68	3,62	<b>92,95</b>	---	---	---
2483,5	13,84	29,80	3,64	<b>47,28</b>	yes	54,00	6,72

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – High Channel (2462 MHz) – 24Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	70,31	29,68	3,62	<b>103,61</b>	---	---	---
2483,5	26,54	29,80	3,64	<b>59,98</b>	yes	74,00	14,02

AVERAGE RESULT (RBW=1MHz)

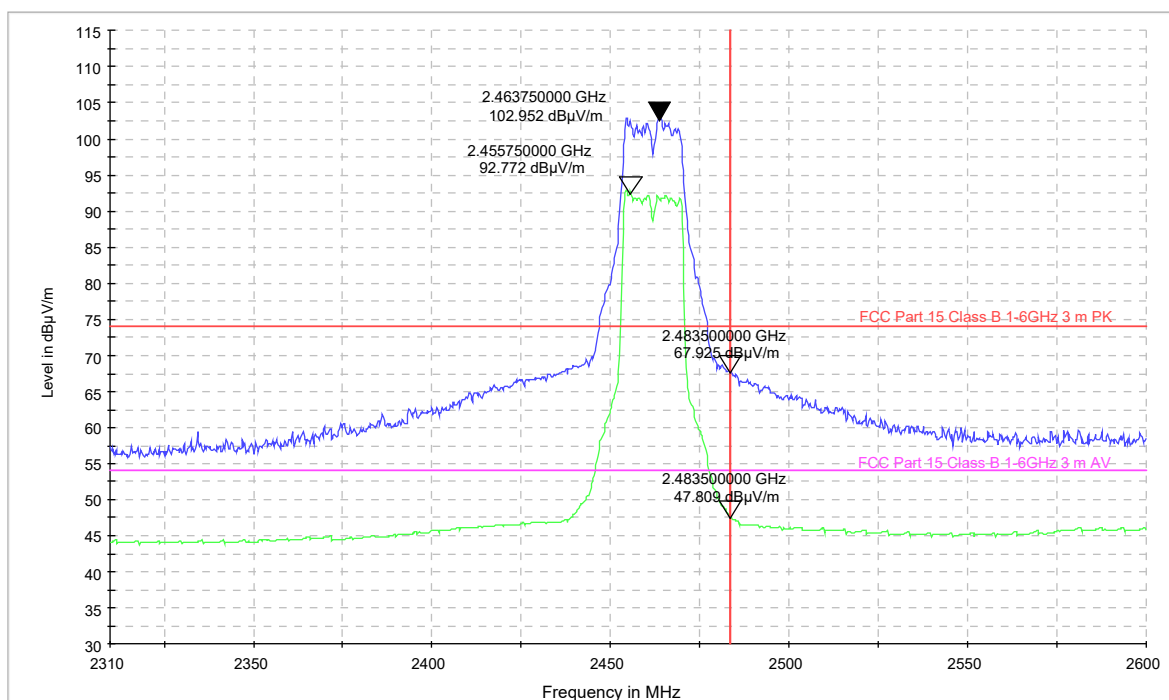
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	60,39	29,68	3,62	<b>93,69</b>	---	---	---
2483,5	13,79	29,80	3,64	<b>47,23</b>	yes	54,00	6,77

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – High Channel (2462 MHz) – 36Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	69,65	29,68	3,62	<b>102,95</b>	---	---	---
2483,5	34,48	29,80	3,64	<b>67,92</b>	yes	74,00	6,08

AVERAGE RESULT (RBW=1MHz)

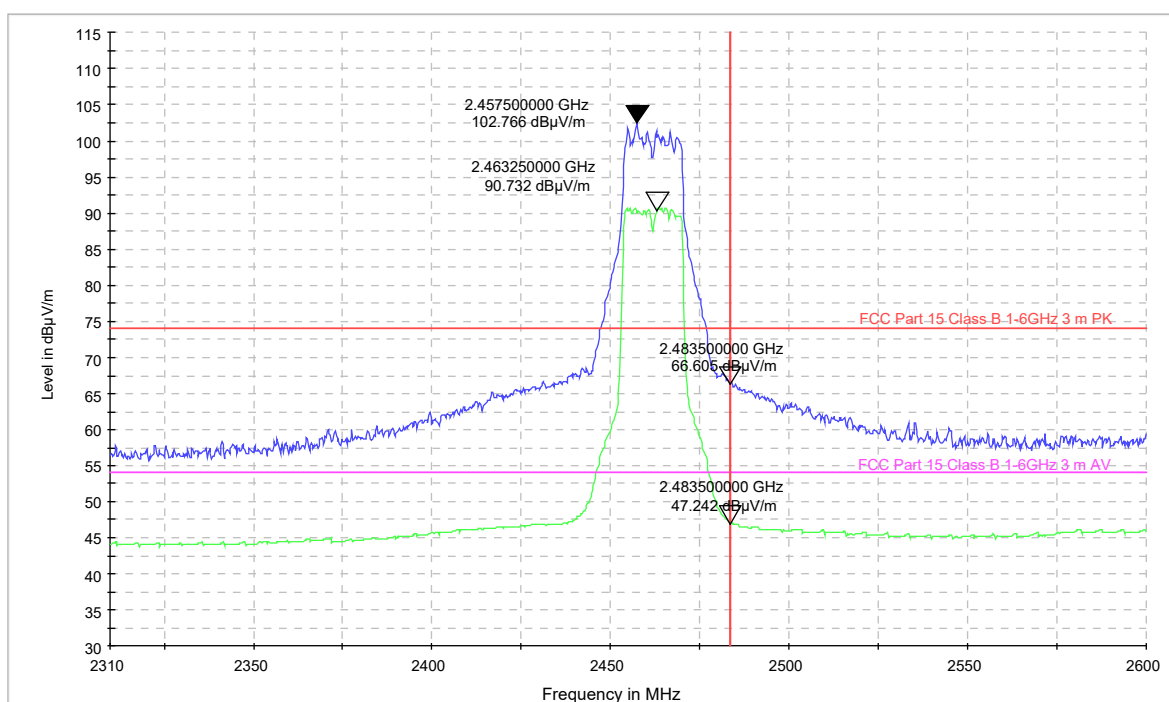
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	59,47	29,68	3,62	<b>92,77</b>	---	---	---
2483,5	14,37	29,80	3,64	<b>47,81</b>	yes	54,00	6,19

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – High Channel (2462 MHz) – 48Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	69,46	29,68	3,62	<b>102,76</b>	---	---	---
2483,5	33,16	29,80	3,64	<b>66,60</b>	yes	74,00	7,40

AVERAGE RESULT (RBW=1MHz)

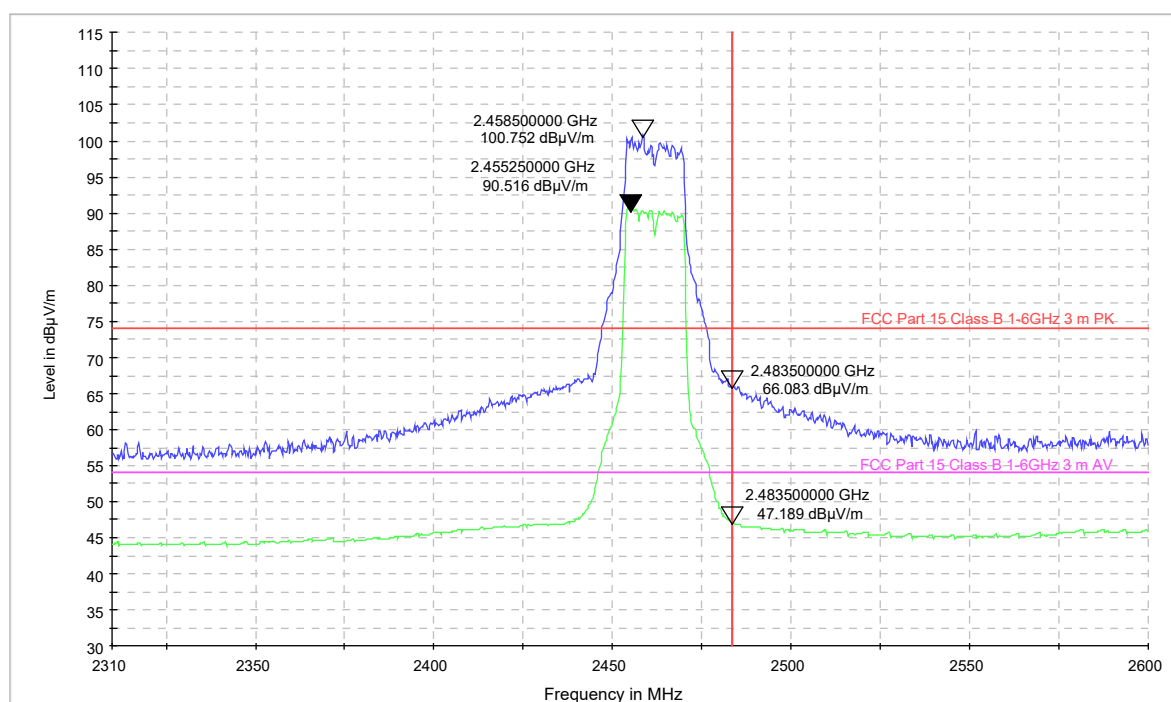
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	57,43	29,68	3,62	<b>90,73</b>	---	---	---
2483,5	13,80	29,80	3,64	<b>47,24</b>	yes	54,00	6,76

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – High Channel (2462 MHz) – 54Mbit/s

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	67,45	29,68	3,62	<b>100,75</b>	---	---	---
2483,5	32,64	29,80	3,64	<b>66,08</b>	yes	74,00	7,92

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	57,21	29,68	3,62	<b>90,51</b>	---	---	---
2483,5	13,75	29,80	3,64	<b>47,19</b>	yes	54,00	6,81

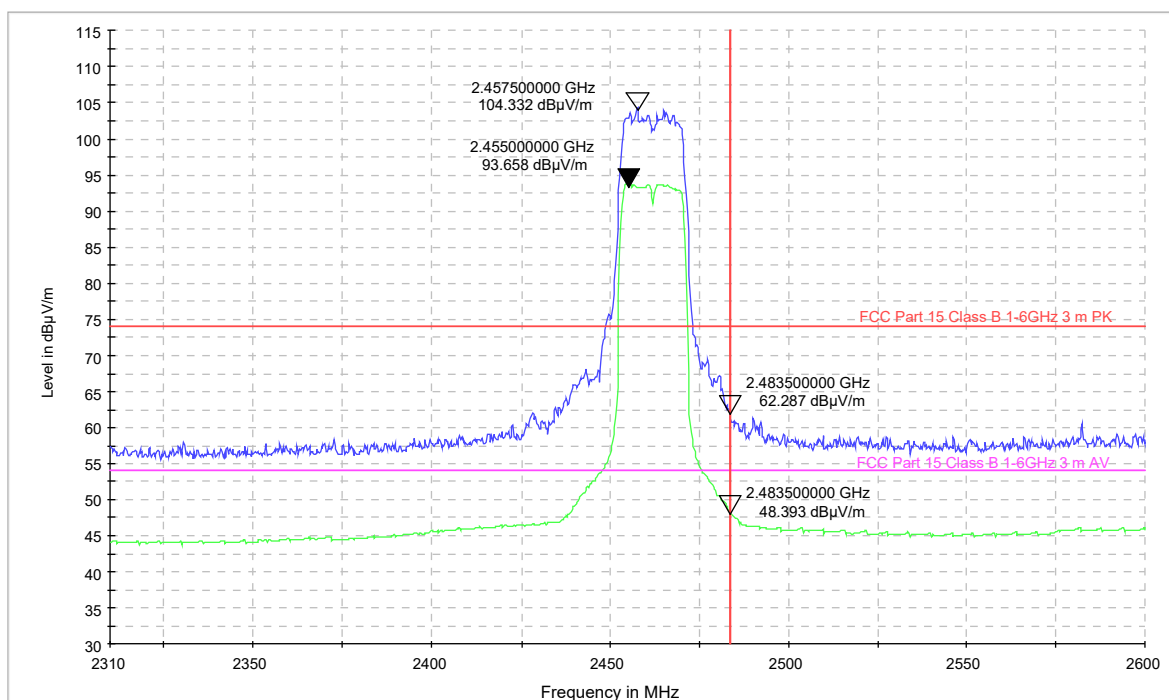


Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – High Channel (2462 MHz) – MCS0

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	71,03	29,68	3,62	<b>104,33</b>	---	---	---
2483,5	28,84	29,80	3,64	<b>62,28</b>	yes	74,00	11,72

AVERAGE RESULT (RBW=1MHz)

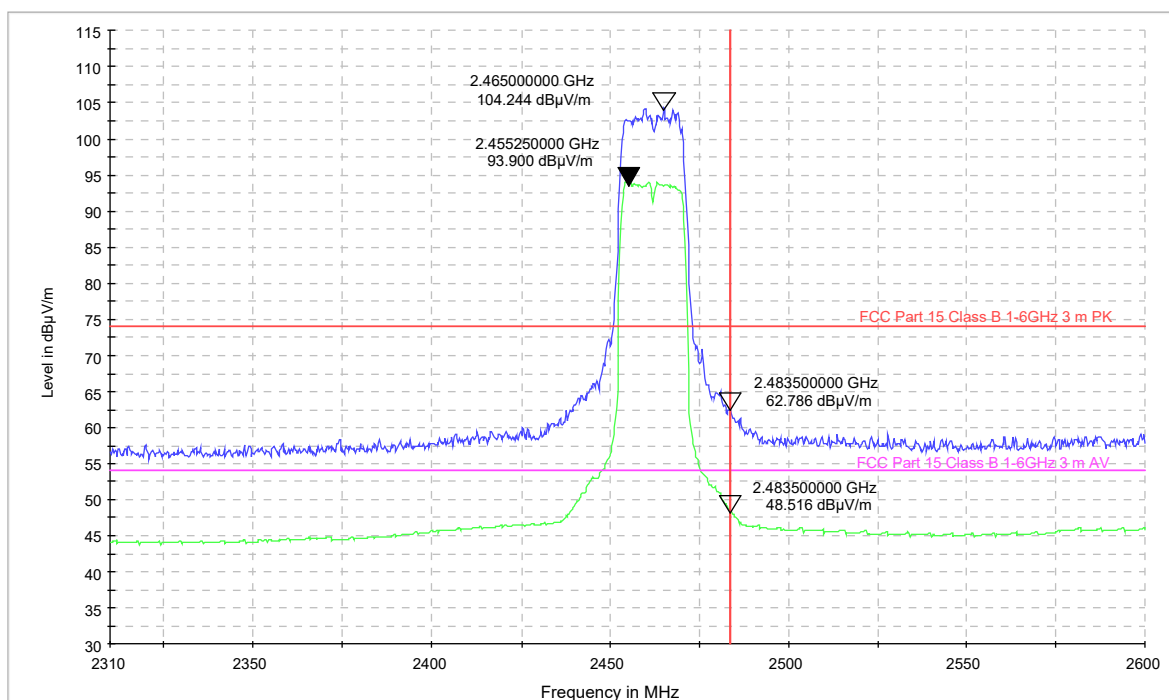
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	60,35	29,68	3,62	<b>93,65</b>	---	---	---
2483,5	14,95	29,80	3,64	<b>48,39</b>	yes	54,00	5,61

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – High Channel (2462 MHz) – MCS1

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	70,94	29,68	3,62	<b>104,24</b>	---	---	---
2483,5	29,34	29,80	3,64	<b>62,78</b>	yes	74,00	11,22

AVERAGE RESULT (RBW=1MHz)

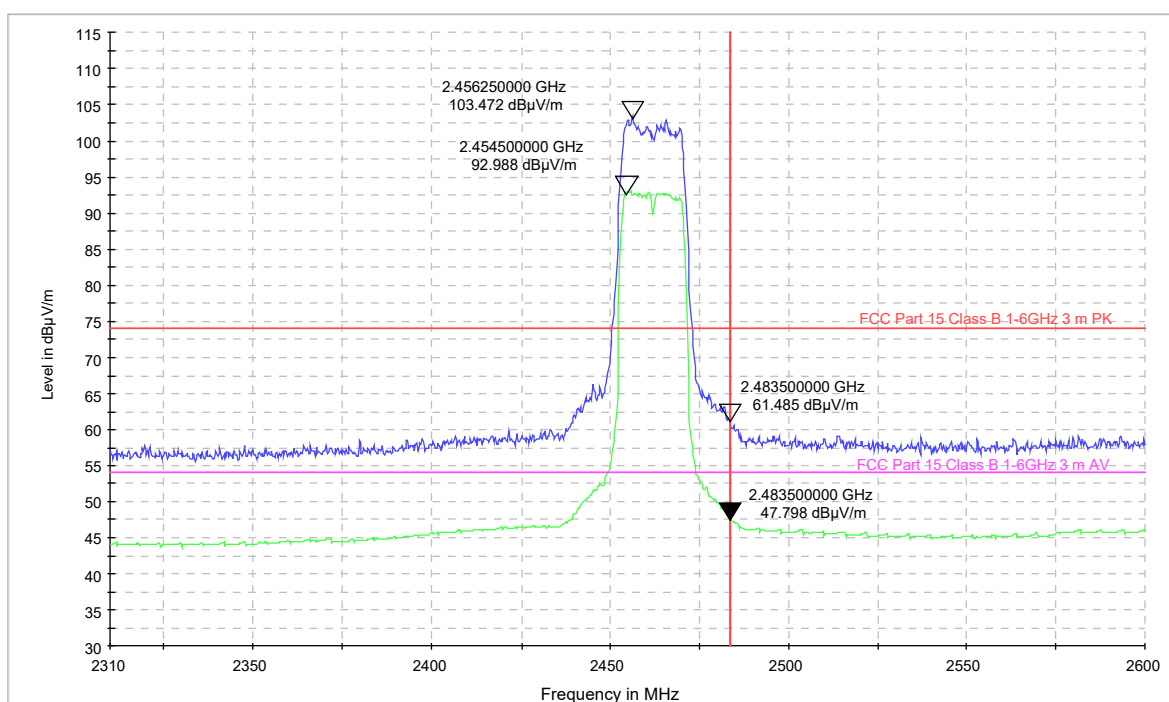
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	60,60	29,68	3,62	<b>93,90</b>	---	---	---
2483,5	15,07	29,80	3,64	<b>48,51</b>	yes	54,00	5,49

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – High Channel (2462 MHz) – MCS2

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	70,17	29,68	3,62	<b>103,47</b>	---	---	---
2483,5	28,04	29,80	3,64	<b>61,48</b>	yes	74,00	12,52

AVERAGE RESULT (RBW=1MHz)

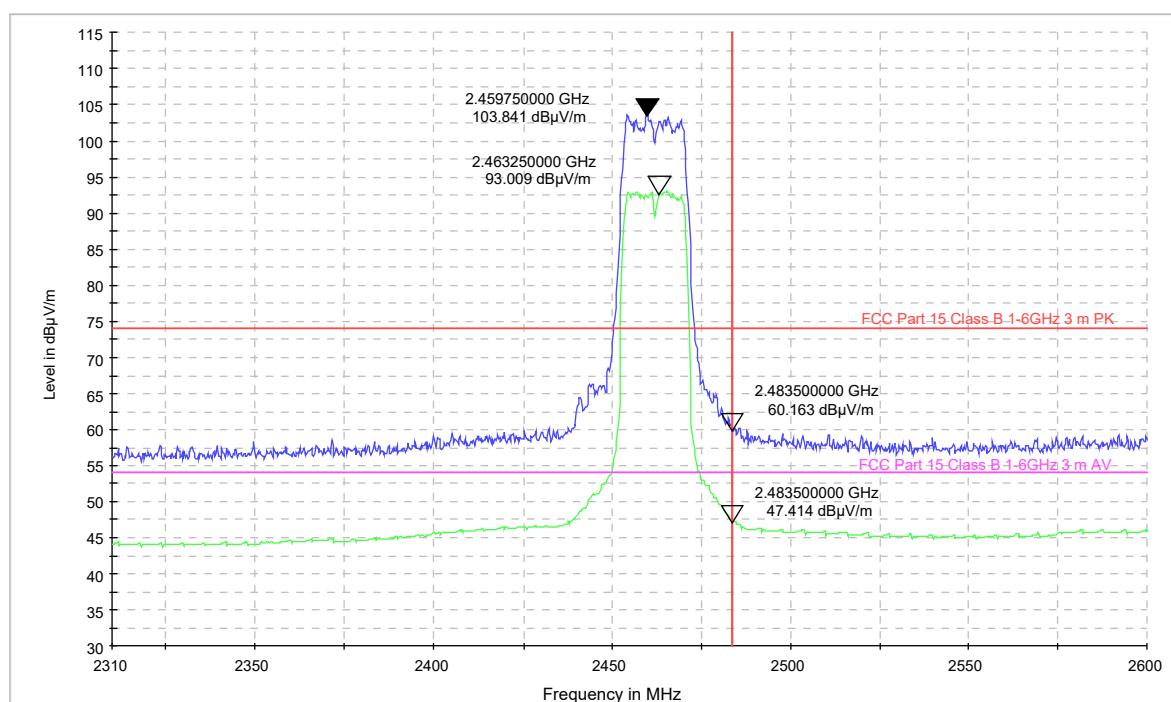
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	59,68	29,68	3,62	<b>92,98</b>	---	---	---
2483,5	14,35	29,80	3,64	<b>47,79</b>	yes	54,00	6,21

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – High Channel (2462 MHz) – MCS3

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	70,54	29,68	3,62	<b>103,84</b>	---	---	---
2483,5	26,72	29,80	3,64	<b>60,16</b>	yes	74,00	13,84

AVERAGE RESULT (RBW=1MHz)

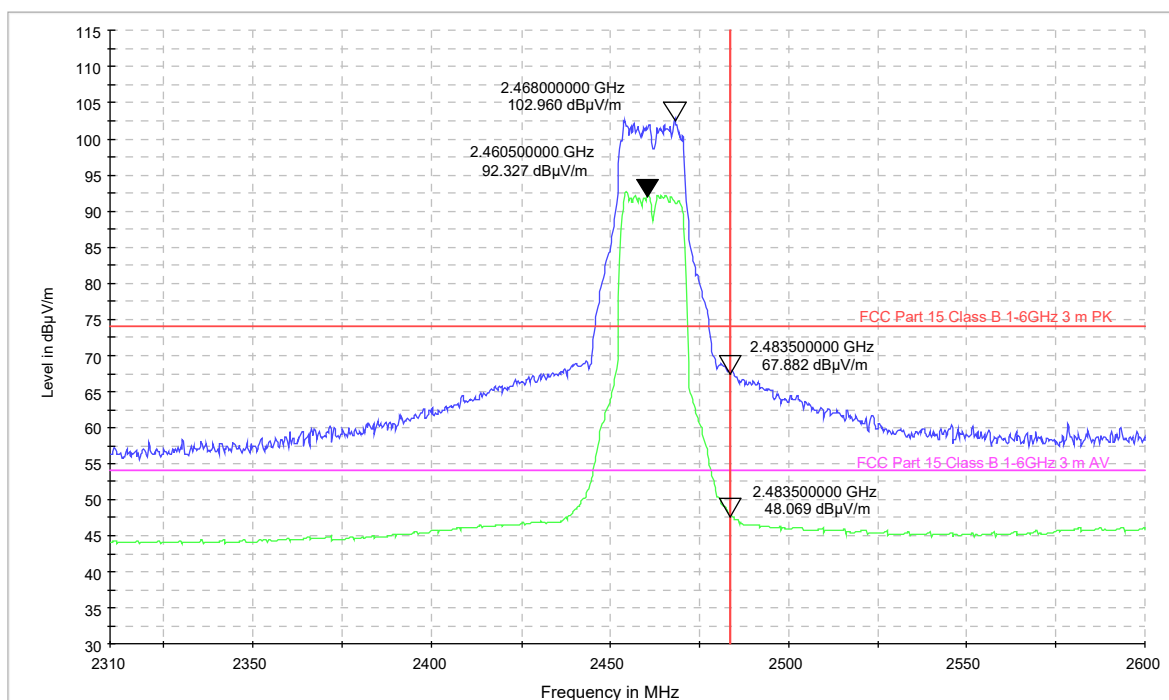
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	59,71	29,68	3,62	<b>93,01</b>	---	---	---
2483,5	13,97	29,80	3,64	<b>47,41</b>	yes	54,00	6,59

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – High Channel (2462 MHz) – MCS4

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	69,66	29,68	3,62	<b>102,96</b>	---	---	---
2483,5	34,44	29,80	3,64	<b>67,88</b>	yes	74,00	6,12

AVERAGE RESULT (RBW=1MHz)

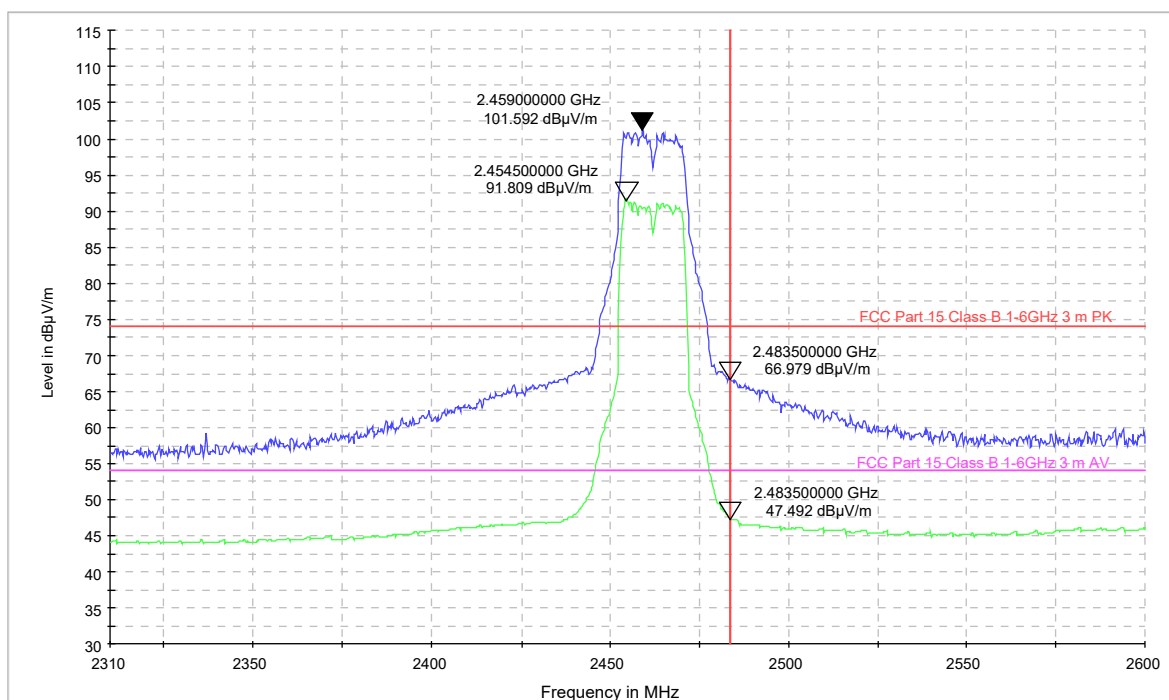
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	59,02	29,68	3,62	<b>92,32</b>	---	---	---
2483,5	14,63	29,80	3,64	<b>48,07</b>	yes	54,00	5,93

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – High Channel (2462 MHz) – MCS5

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	68,29	29,68	3,62	<b>101,59</b>	---	---	---
2483,5	33,54	29,80	3,64	<b>66,98</b>	yes	74,00	7,02

AVERAGE RESULT (RBW=1MHz)

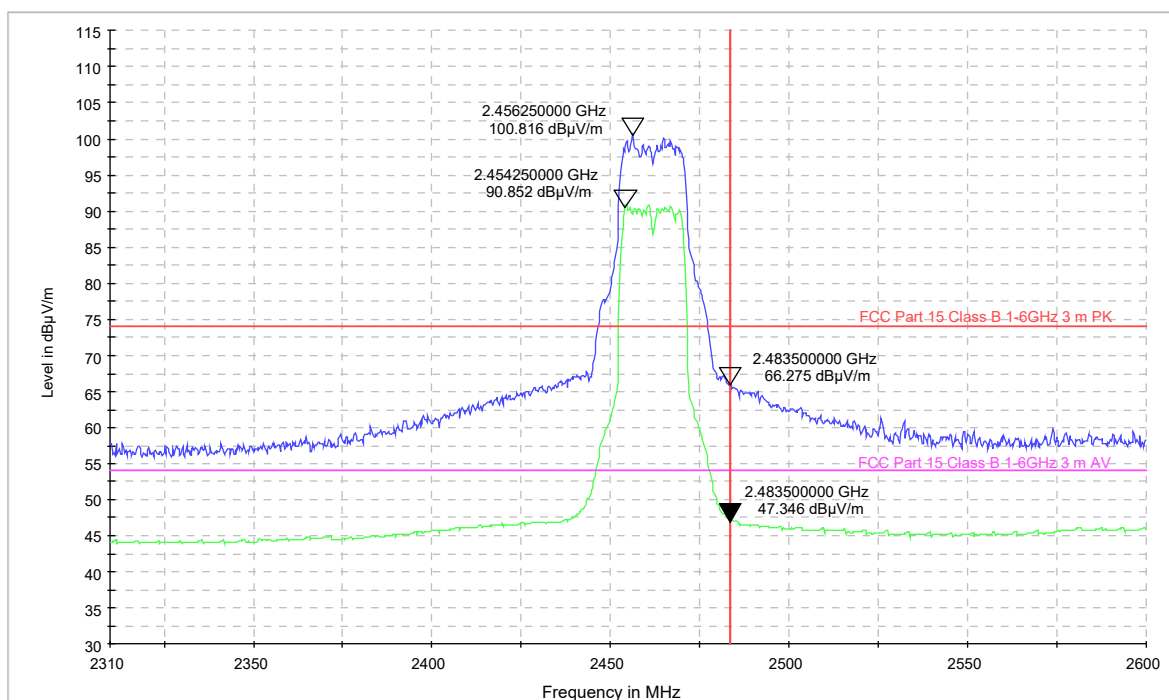
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	58,51	29,68	3,62	<b>91,81</b>	---	---	---
2483,5	14,05	29,80	3,64	<b>47,49</b>	yes	54,00	6,51

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – High Channel (2462 MHz) – MCS6

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	67,51	29,68	3,62	<b>100,81</b>	---	---	---
2483,5	32,83	29,80	3,64	<b>66,27</b>	yes	74,00	7,73

AVERAGE RESULT (RBW=1MHz)

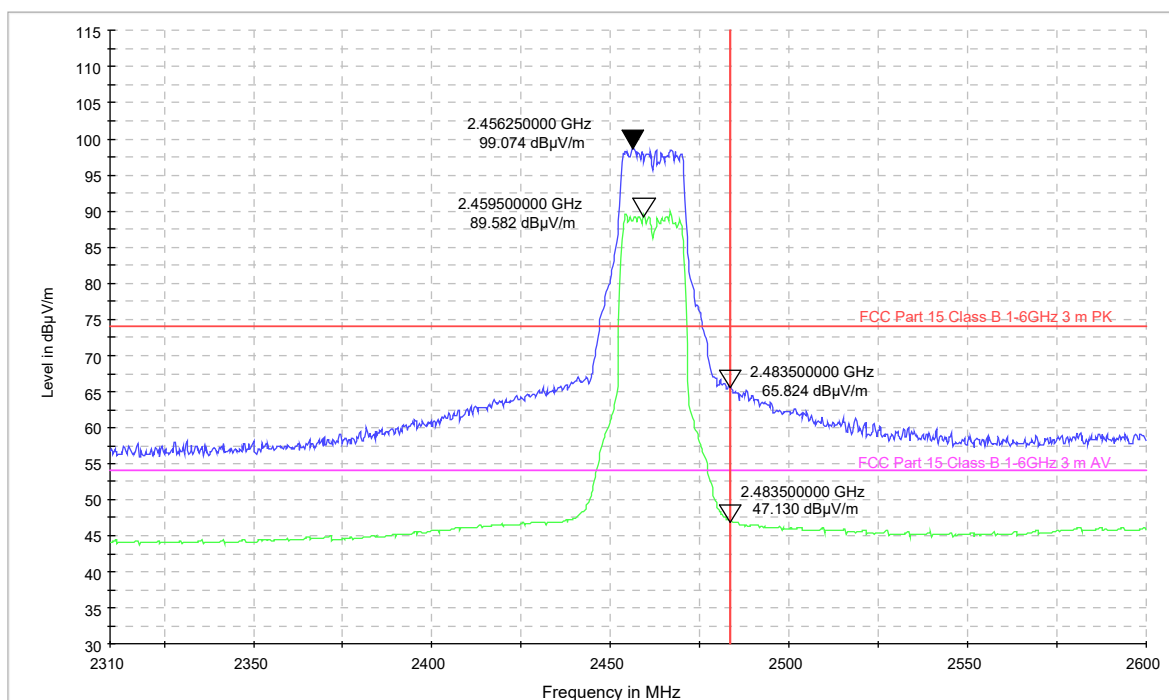
Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	57,55	29,68	3,62	<b>90,85</b>	---	---	---
2483,5	13,90	29,80	3,64	<b>47,34</b>	yes	54,00	6,66

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – High Channel (2462 MHz) – MCS7

Frequency: 2,31GHz – 2,6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	65,77	29,68	3,62	<b>99,07</b>	---	---	---
2483,5	32,38	29,80	3,64	<b>65,82</b>	yes	74,00	8,18

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor without Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
2462	56,28	29,68	3,62	<b>89,58</b>	---	---	---
2483,5	13,69	29,80	3,64	<b>47,13</b>	yes	54,00	6,87



FUNDAMENTAL VALUE MEASURED

Low Channel (2412MHz)

802.11b (#1)	PEAK	802.11g (#2)	PEAK	802.11n (#3)	PEAK
Data rate	Measured value	Data rate	Measured value	Data rate	Measured value
1Mbit/s	103,868	6Mbit/s	<b>107,347</b>	MCS0	<b>107,094</b>
2Mbit/s	104,362	9Mbit/s	106,141	MCS1	107,051
5.5Mbit/s	108,252	12Mbit/s	105,957	MCS2	105,075
11Mbit/s	<b>109,903</b>	18Mbit/s	105,020	MCS3	105,909
		24Mbit/s	104,974	MCS4	105,980
		36Mbit/s	103,748	MCS5	103,772
		48Mbit/s	103,919	MCS6	102,564
		54Mbit/s	101,877	MCS7	101,477

FUNDAMENTAL VALUE MEASURED

Middle Channel (2437MHz)

802.11b (#1)	PEAK	802.11g (#2)	PEAK	802.11n (#3)	PEAK
Data rate	Measured value	Data rate	Measured value	Data rate	Measured value
1Mbit/s	106,799	6Mbit/s	<b>108,898</b>	MCS0	<b>108,530</b>
2Mbit/s	107,238	9Mbit/s	108,664	MCS1	108,252
5.5Mbit/s	109,749	12Mbit/s	108,527	MCS2	107,276
11Mbit/s	<b>111,220</b>	18Mbit/s	108,199	MCS3	107,930
		24Mbit/s	107,980	MCS4	106,995
		36Mbit/s	107,412	MCS5	105,635
		48Mbit/s	107,029	MCS6	106,957
		54Mbit/s	104,664	MCS7	105,367

FUNDAMENTAL VALUE MEASURED

High Channel (2462MHz)

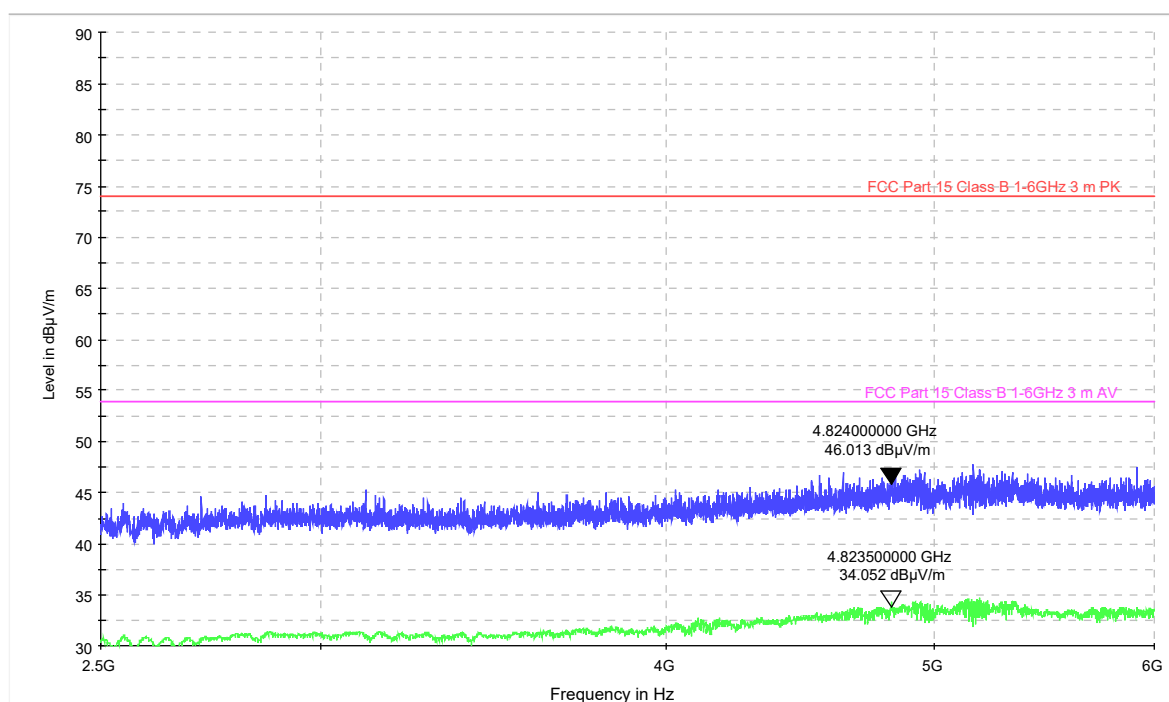
802.11b (#1)	PEAK	802.11g (#2)	PEAK	802.11n (#3)	PEAK
Data rate	Measured value	Data rate	Measured value	Data rate	Measured value
1Mbit/s	102,640	6Mbit/s	<b>104,685</b>	MCS0	<b>104,332</b>
2Mbit/s	103,254	9Mbit/s	104,338	MCS1	104,244
5.5Mbit/s	105,891	12Mbit/s	104,158	MCS2	103,472
11Mbit/s	<b>107,115</b>	18Mbit/s	103,840	MCS3	103,841
		24Mbit/s	103,609	MCS4	102,960
		36Mbit/s	102,952	MCS5	101,592
		48Mbit/s	102,766	MCS6	100,816
		54Mbit/s	100,752	MCS7	99,074

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Low Channel (2412 MHz) – 11Mbit/s (worst case)

Frequency: 2,5GHz – 6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4824	50,31	-9,53	5,23	<b>46,01</b>	yes	74,00	27,99

AVERAGE RESULT (RBW=1MHz)

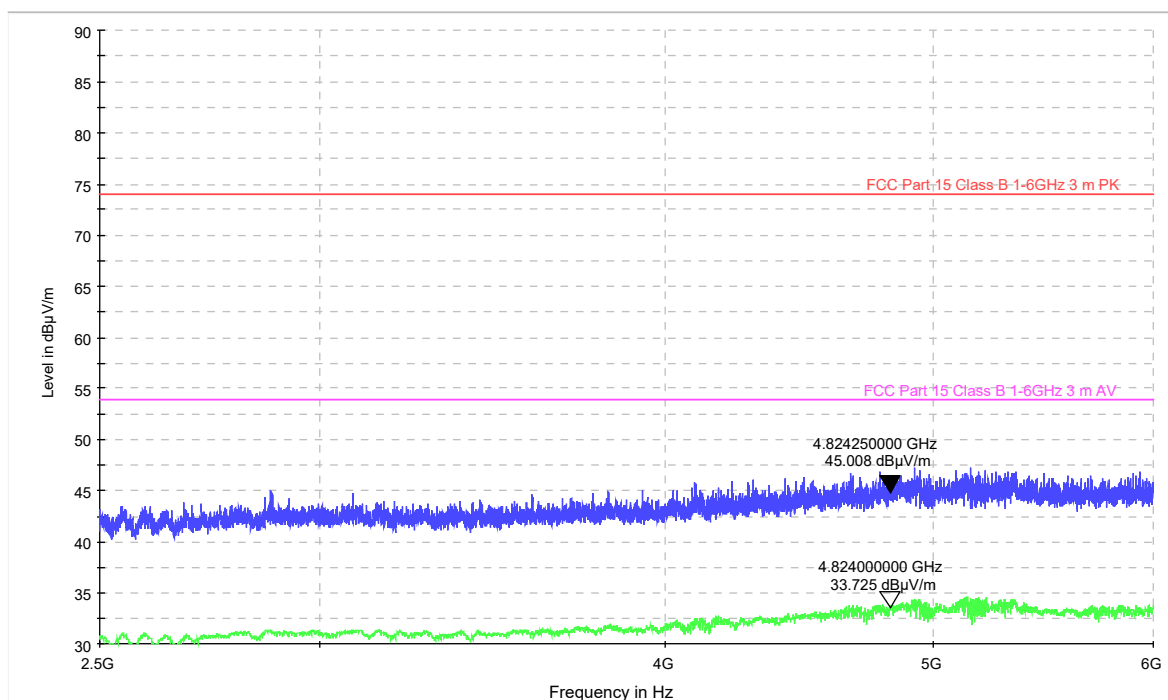
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4824	38,35	-9,53	5,23	<b>34,05</b>	yes	54,00	19,95

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Low Channel (2412 MHz) – 6Mbit/s (worst case)

Frequency: 2,5GHz – 6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4824	49,30	-9,53	5,23	<b>45,00</b>	yes	74,00	29,00

AVERAGE RESULT (RBW=1MHz)

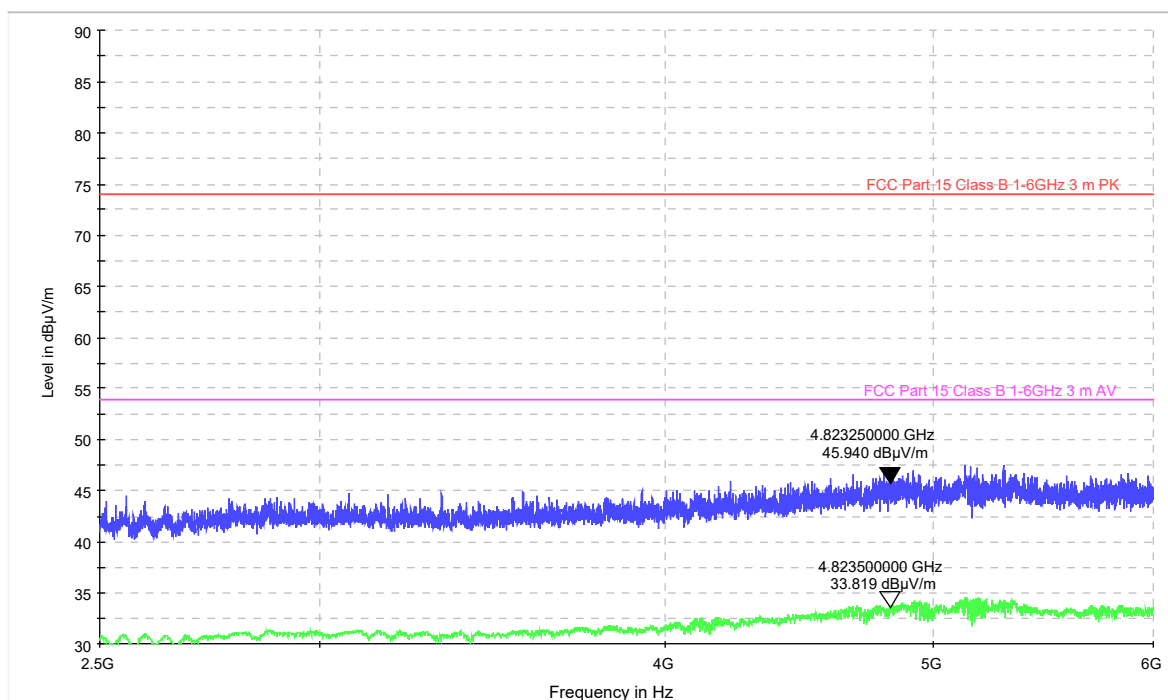
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4824	38,02	-9,53	5,23	<b>33,72</b>	yes	54,00	20,28

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Low Channel (2412 MHz) – MCS0 (worst case)

Frequency: 2,5GHz – 6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4824	50,24	-9,53	5,23	<b>45,94</b>	yes	74,00	28,06

AVERAGE RESULT (RBW=1MHz)

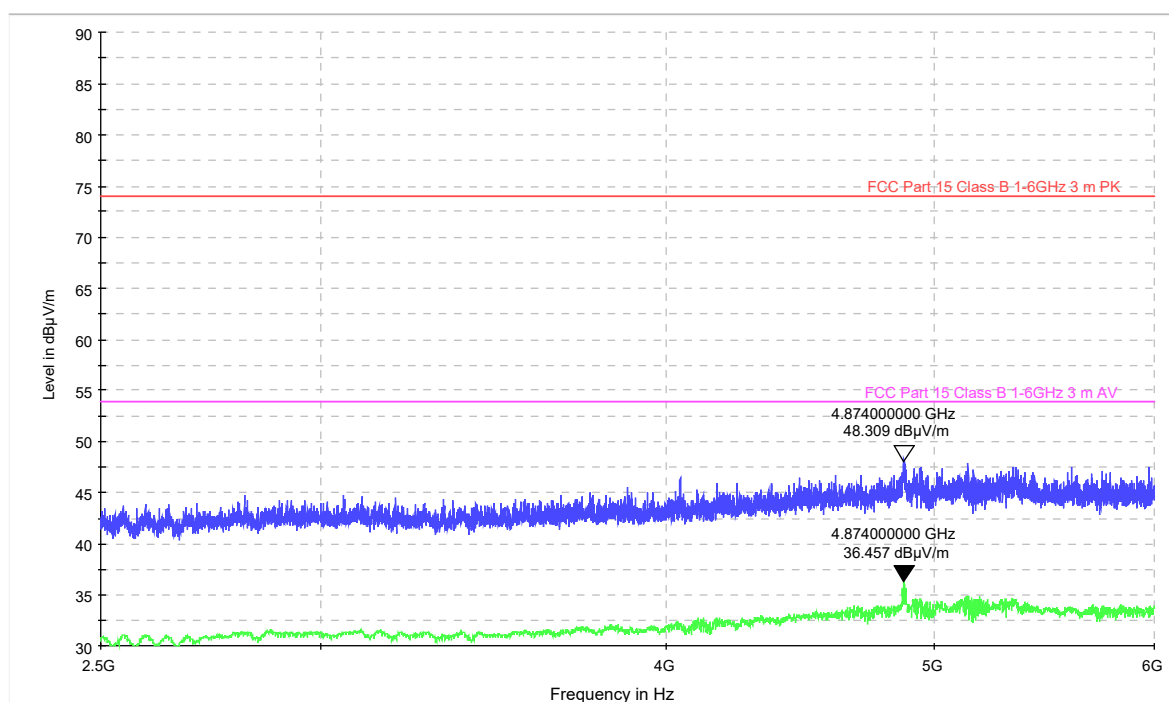
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4824	38,12	-9,53	5,23	<b>33,82</b>	yes	54,00	20,18

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Middle Channel (2437 MHz) – 11Mbit/s (worst case)

Frequency: 2,5GHz – 6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4874	52,56	-9,51	5,26	<b>48,31</b>	yes	74,00	25,69

AVERAGE RESULT (RBW=1MHz)

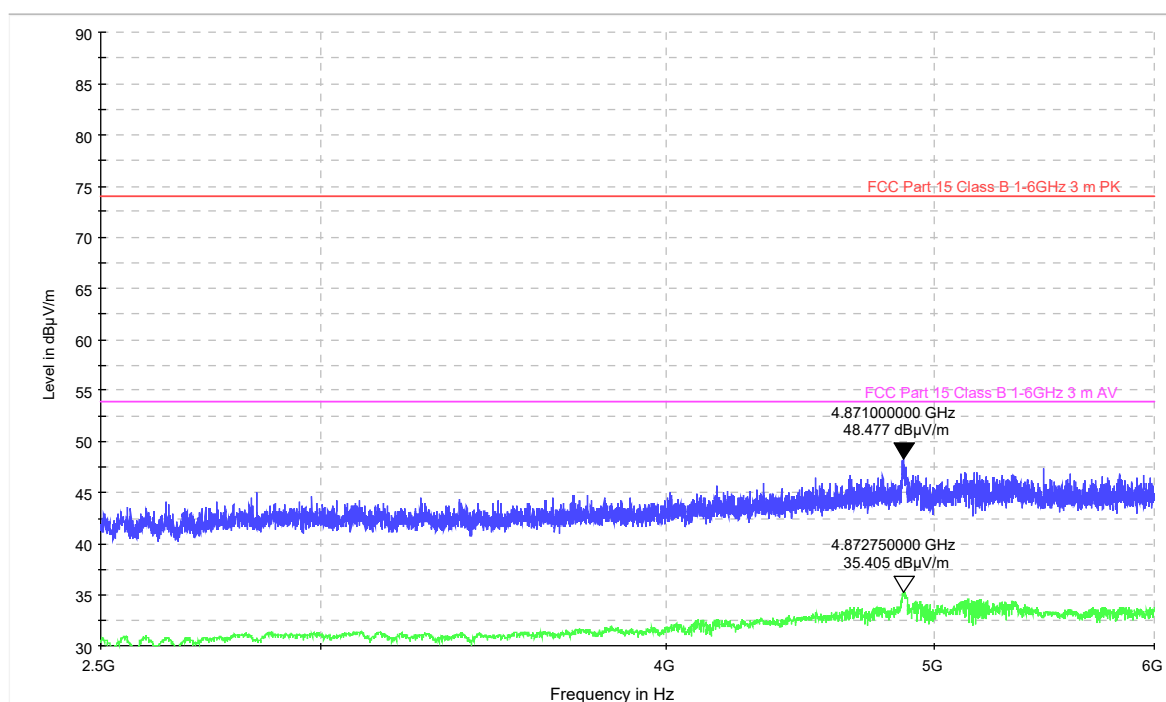
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4874	40,70	-9,51	5,26	<b>36,45</b>	yes	54,00	17,55

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Middle Channel (2437 MHz) – 6Mbit/s (worst case)

Frequency: 2,5GHz – 6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4874	52,72	-9,51	5,26	<b>48,47</b>	yes	74,00	25,53

AVERAGE RESULT (RBW=1MHz)

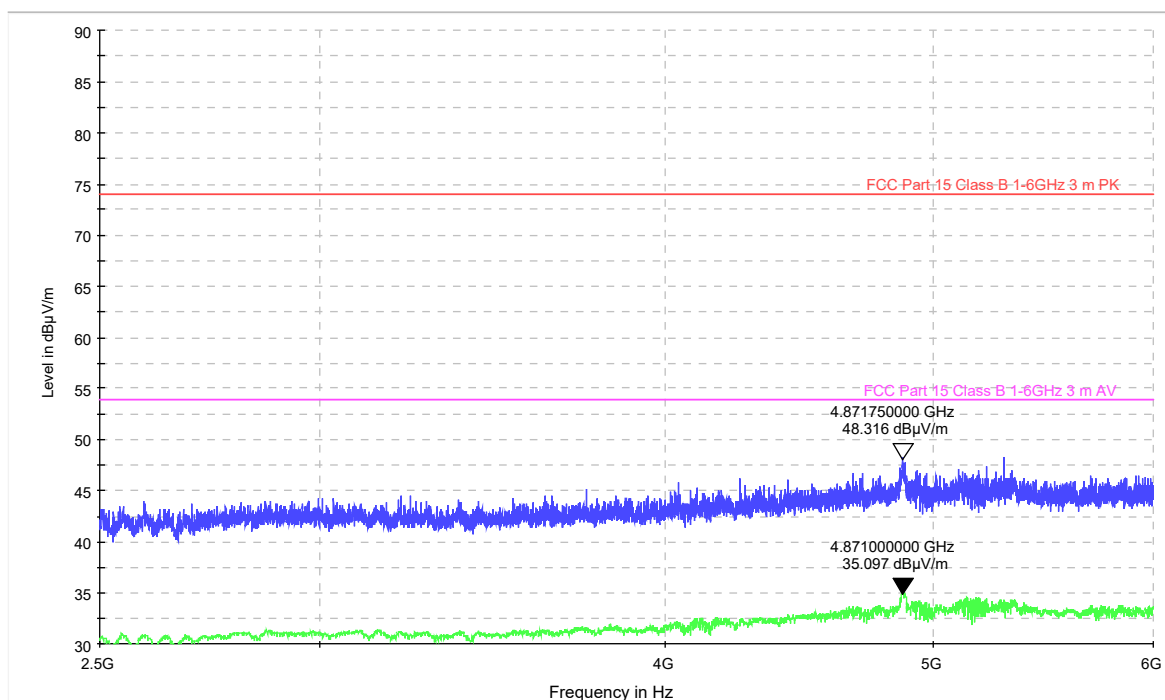
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4874	39,65	-9,51	5,26	<b>35,40</b>	yes	54,00	18,60

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS0 (worst case)

Frequency: 2,5GHz – 6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4874	52,56	-9,51	5,26	<b>48,31</b>	yes	74,00	25,69

AVERAGE RESULT (RBW=1MHz)

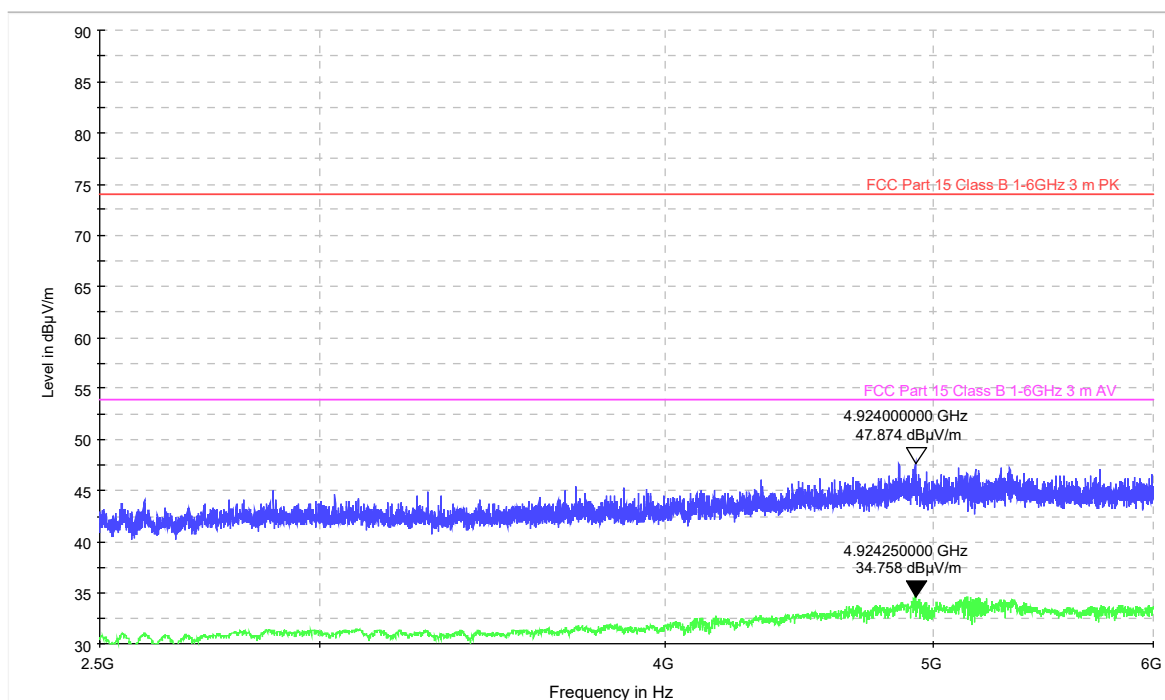
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4874	39,34	-9,51	5,26	<b>35,09</b>	yes	54,00	18,91

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – High Channel (2462 MHz) – 11Mbit/s (worst case)

Frequency: 2,5GHz – 6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4924	52,06	-9,48	5,29	<b>47,87</b>	yes	74,00	26,13

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4924	38,94	-9,48	5,29	<b>34,75</b>	yes	54,00	19,25

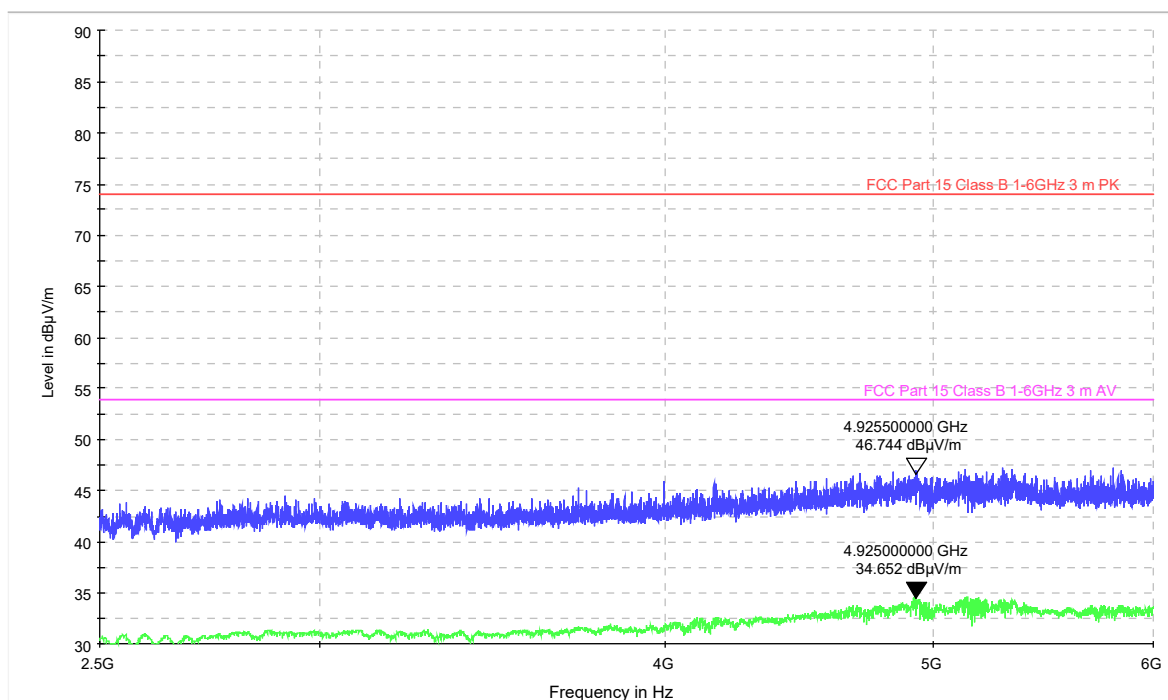


Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – High Channel (2462 MHz) – 6Mbit/s (worst case)

Frequency: 2,5GHz – 6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4924	50,93	-9,48	5,29	<b>46,74</b>	yes	74,00	27,26

AVERAGE RESULT (RBW=1MHz)

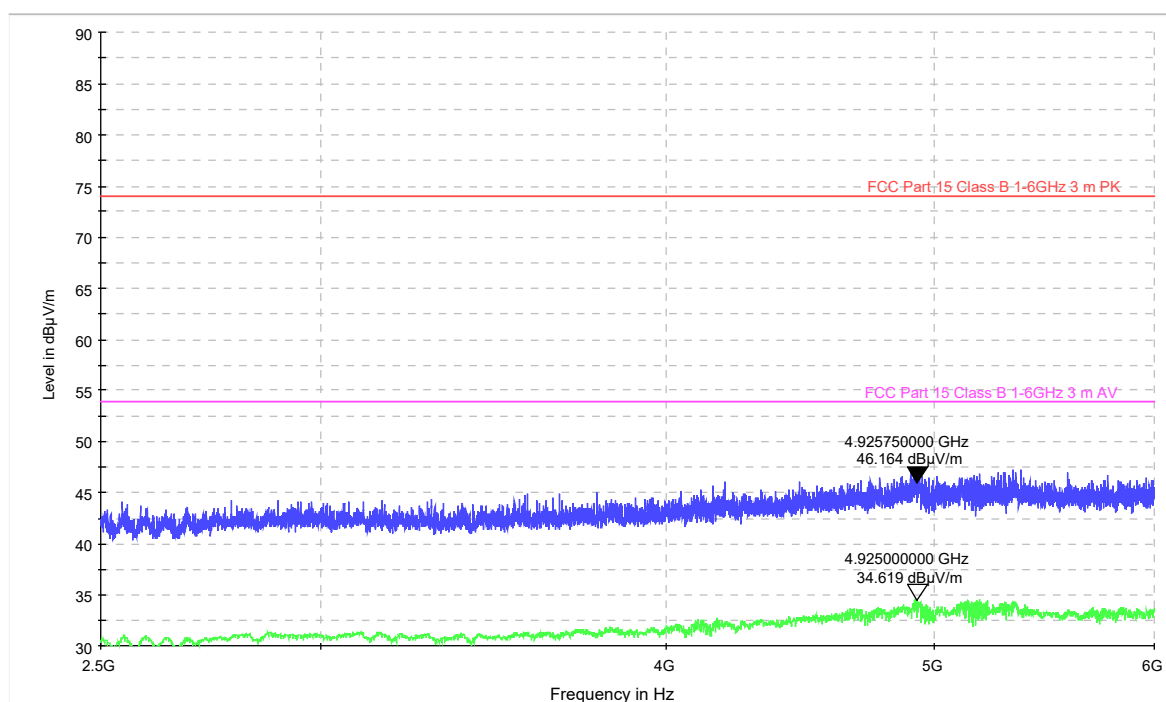
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4924	38,84	-9,48	5,29	<b>34,65</b>	yes	54,00	19,35

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – High Channel (2462 MHz) – MCS0 (worst case)

Frequency: 2,5GHz – 6GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4924	50,35	-9,48	5,29	<b>46,16</b>	yes	74,00	27,84

AVERAGE RESULT (RBW=1MHz)

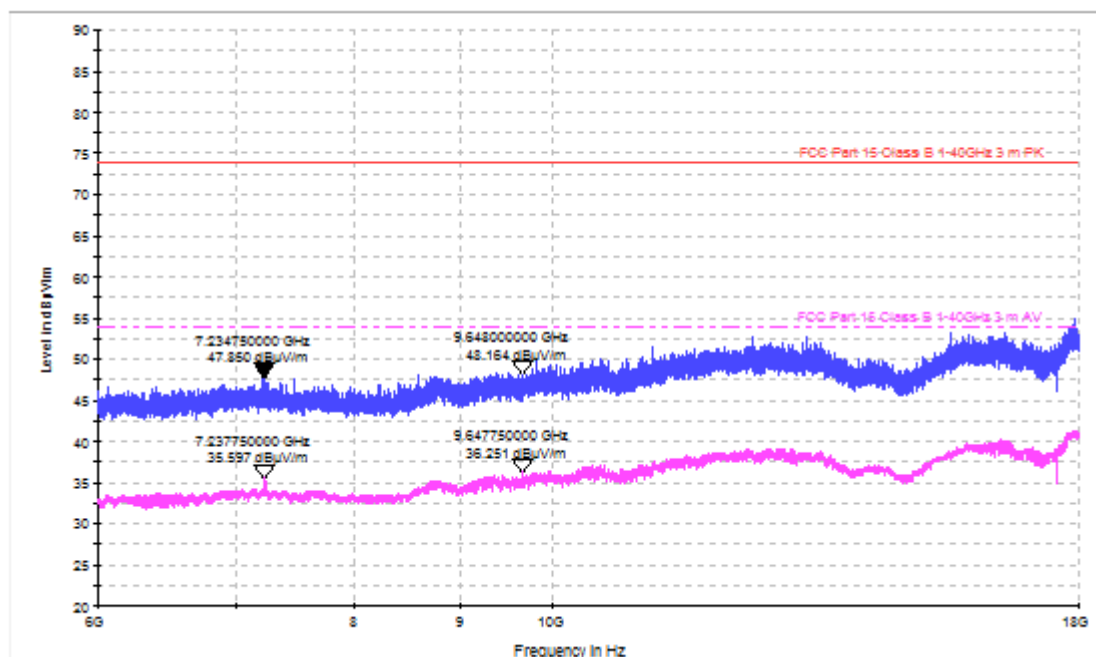
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBμV)	(dB3/m)	(dB)	(dBμV/m)	/	(dBμV/m)	(dB)
4924	38,81	-9,48	5,29	<b>34,62</b>	yes	54,00	19,38

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Low Channel (2412 MHz) – 11Mbit/s (worst case)

Frequency: 6GHz – 18GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7236	49,71	-8,36	6,50	<b>47,85</b>	no	----	----
9648	47,09	-6,36	7,43	<b>48,16</b>	no	----	----

AVERAGE RESULT (RBW=1MHz)

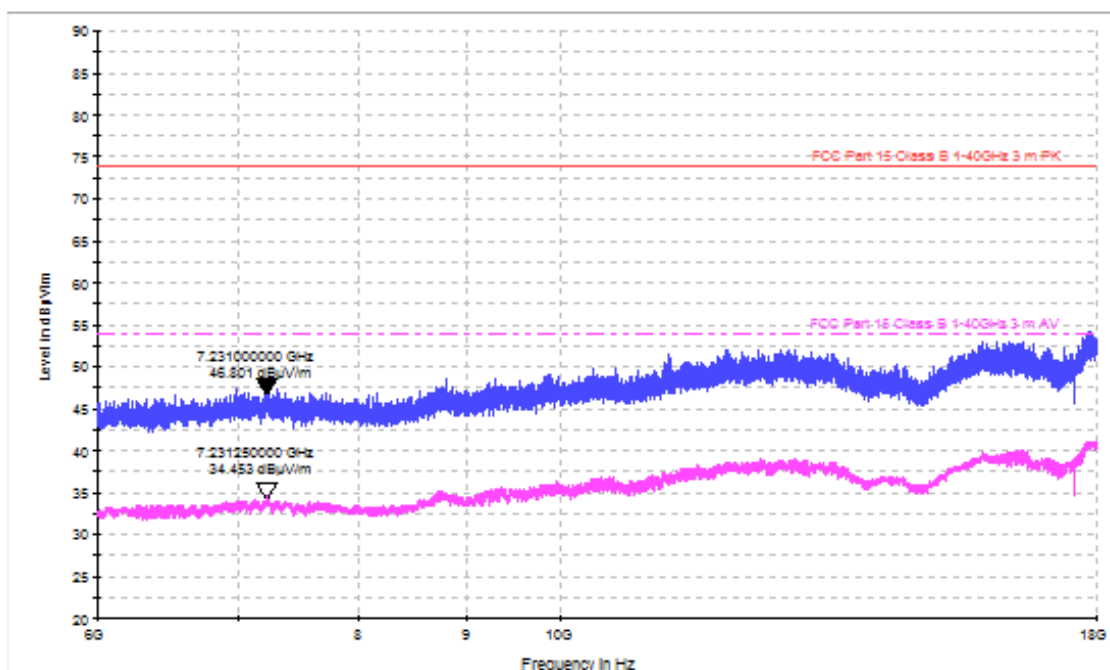
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7236	37,45	-8,36	6,50	<b>35,59</b>	no	----	----
9648	35,18	-6,36	7,43	<b>36,25</b>	no	----	----

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Low Channel (2412 MHz) – 6Mbit/s (worst case)

Frequency: 6GHz – 18GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7236	48,66	-8,36	6,50	<b>46,80</b>	no	----	----

AVERAGE RESULT (RBW=1MHz)

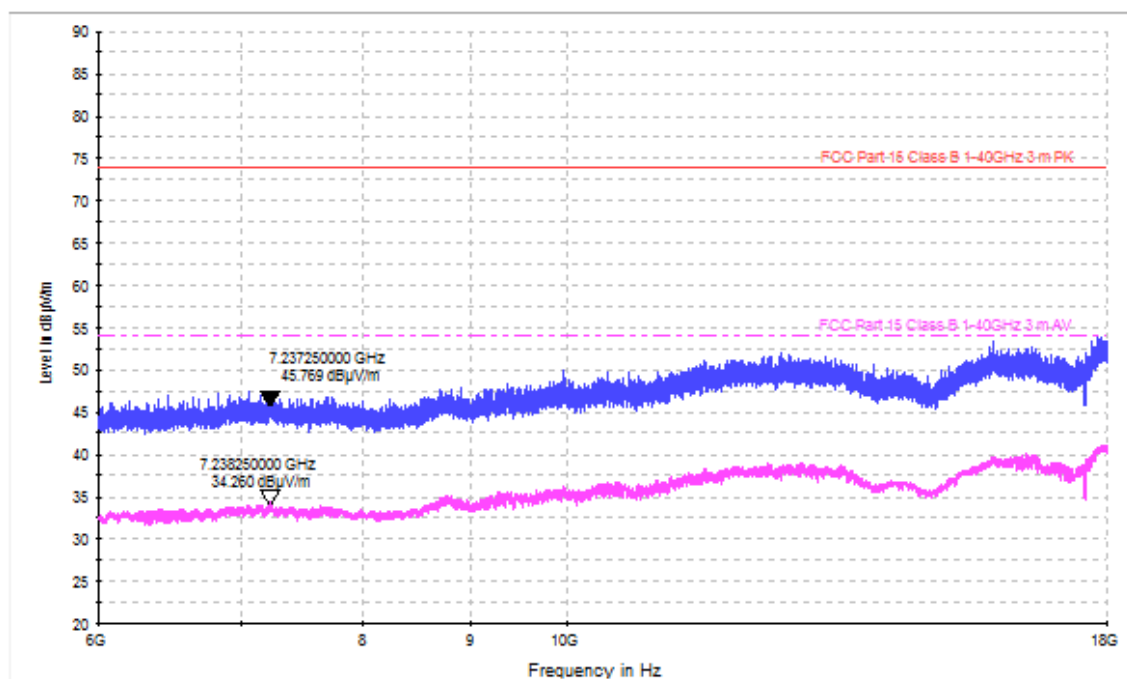
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7236	36,31	-8,36	6,50	<b>34,45</b>	no	----	----

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Low Channel (2412 MHz) – MCS0 (worst case)

Frequency: 6GHz – 18GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7236	47,63	-8,36	6,50	<b>45,77</b>	no	----	----

AVERAGE RESULT (RBW=1MHz)

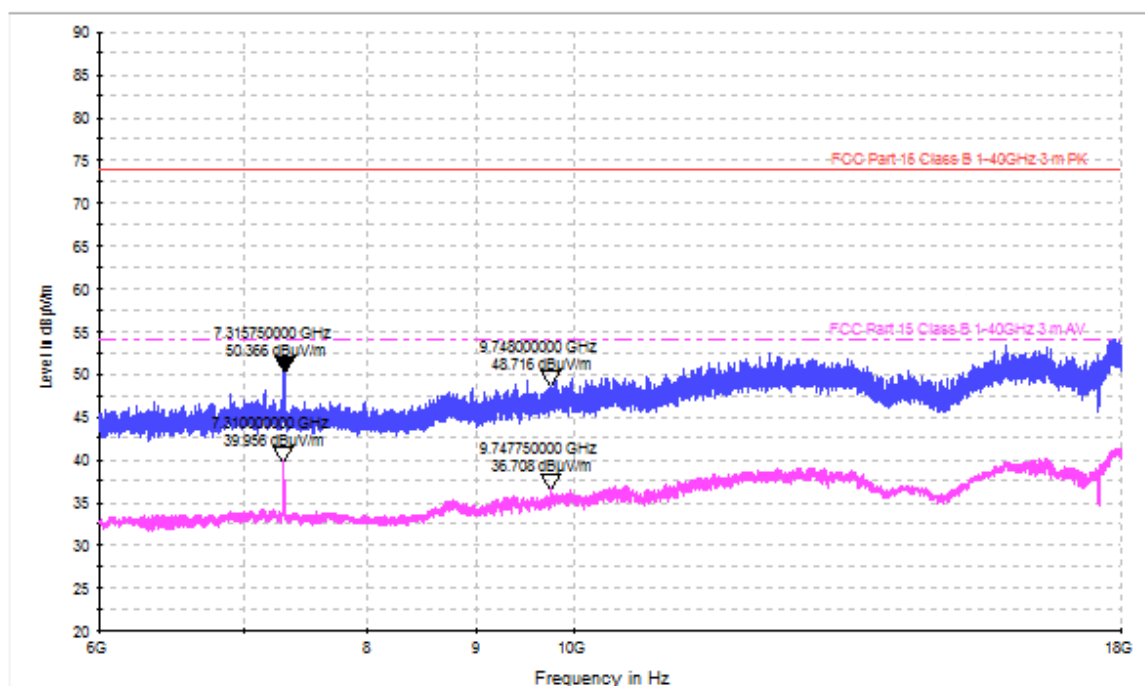
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7236	36,12	-8,36	6,50	<b>34,26</b>	no	----	----

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Middle Channel (2437 MHz) – 11Mbit/s (worst case)

Frequency: 6GHz – 18GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7311	52,25	-8,42	6,53	<b>50,36</b>	yes	74,00	23,64
9748	47,60	-6,34	7,45	<b>48,71</b>	no	----	----

AVERAGE RESULT (RBW=1MHz)

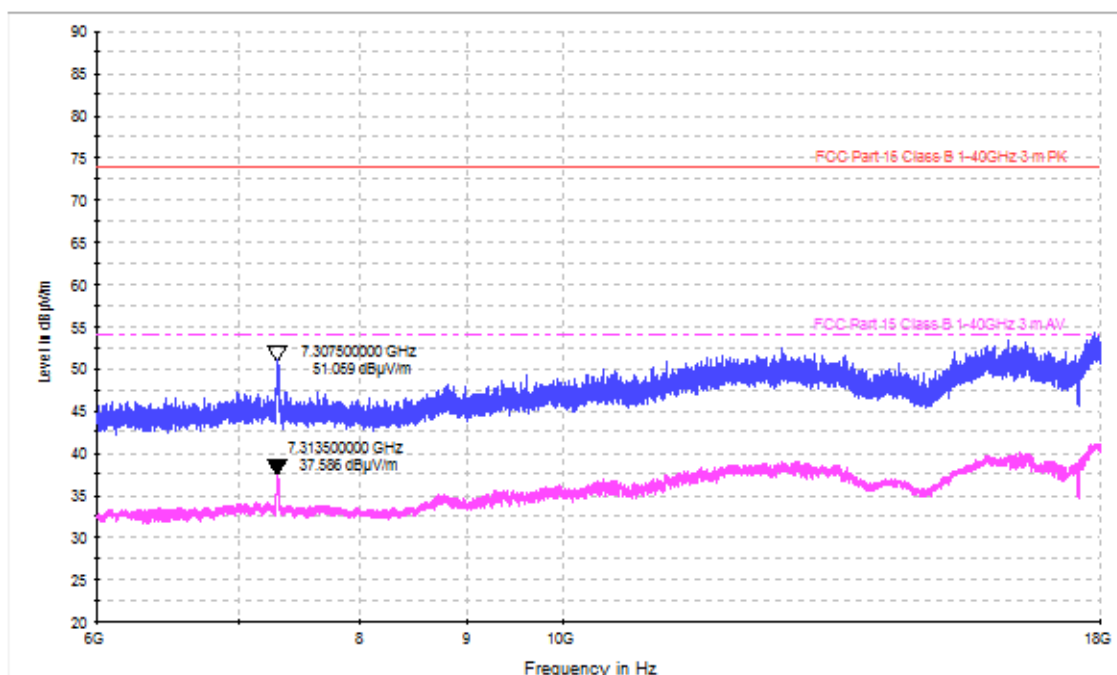
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7311	41,84	-8,42	6,53	<b>39,95</b>	yes	54,00	14,05
9748	35,59	-6,34	7,45	<b>36,70</b>	no	----	----

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Middle Channel (2437 MHz) – 6Mbit/s (worst case)

Frequency: 6GHz – 18GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7311	52,95	-8,42	6,53	<b>51,06</b>	yes	74,00	22,94

AVERAGE RESULT (RBW=1MHz)

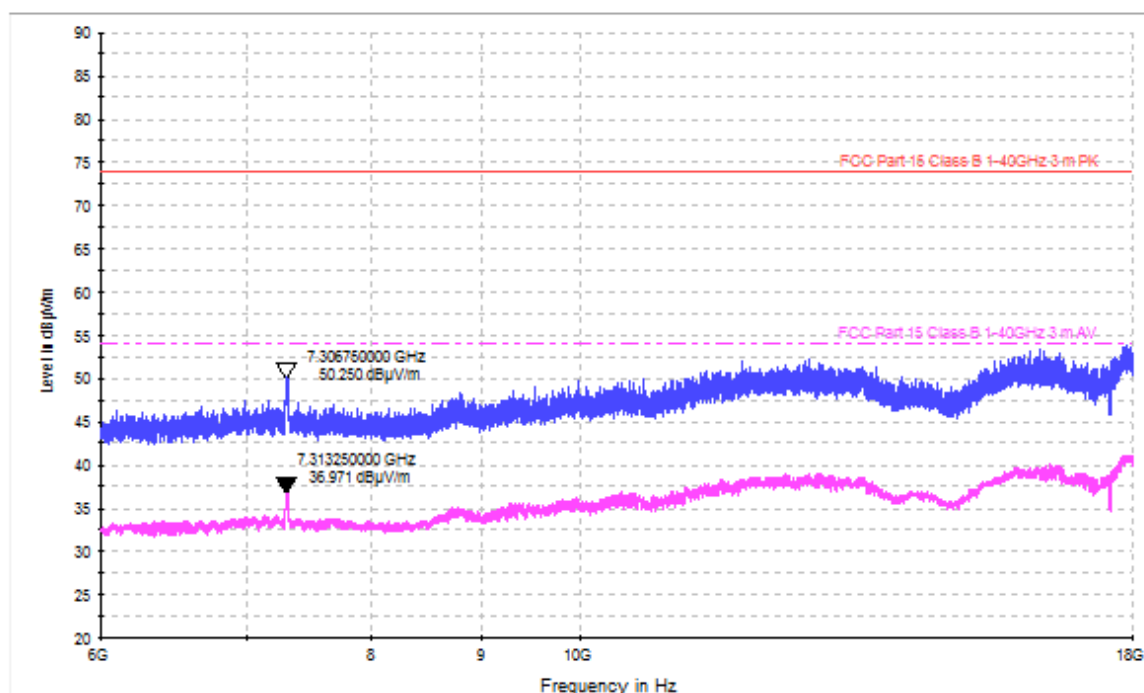
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7311	39,47	-8,42	6,53	<b>37,58</b>	yes	54,00	16,42

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS0 (worst case)

Frequency: 6GHz – 18GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7311	52,14	-8,42	6,53	<b>50,25</b>	yes	74,00	23,75

AVERAGE RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7311	38,86	-8,42	6,53	<b>36,97</b>	yes	54,00	17,03

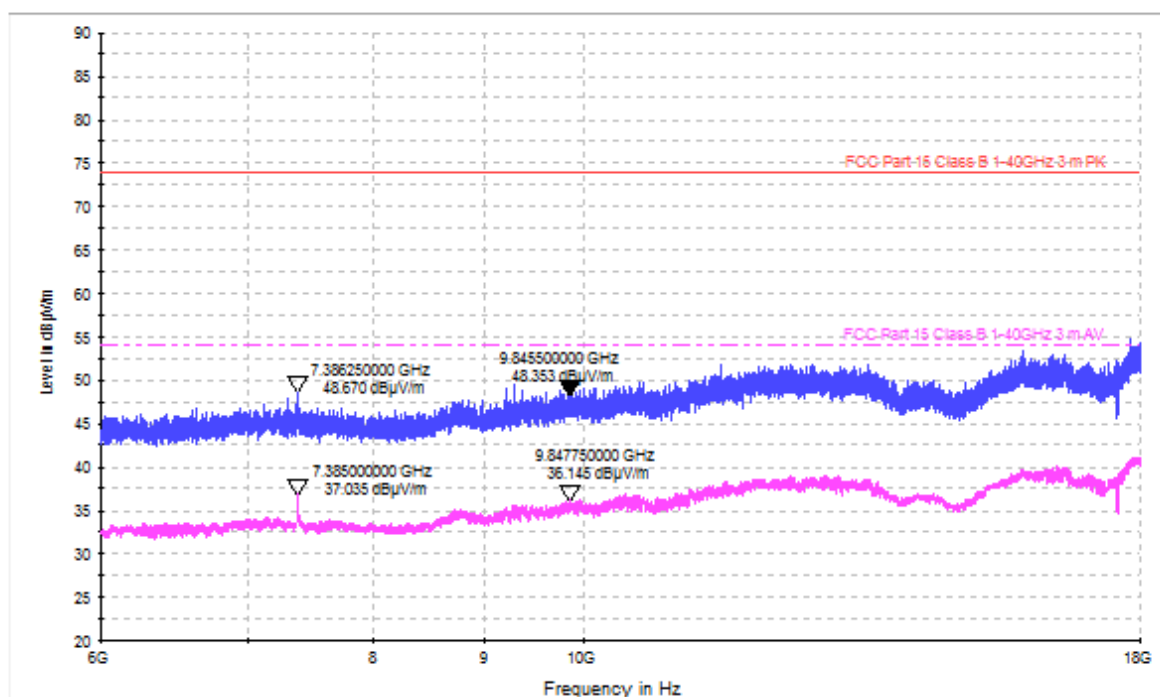


Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – High Channel (2462 MHz) – 11Mbit/s (worst case)

Frequency: 6GHz – 18GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7386	50,61	-8,49	6,55	<b>48,67</b>	yes	74,00	25,33
9848	46,83	-5,96	7,48	<b>48,35</b>	no	---	---

AVERAGE RESULT (RBW=1MHz)

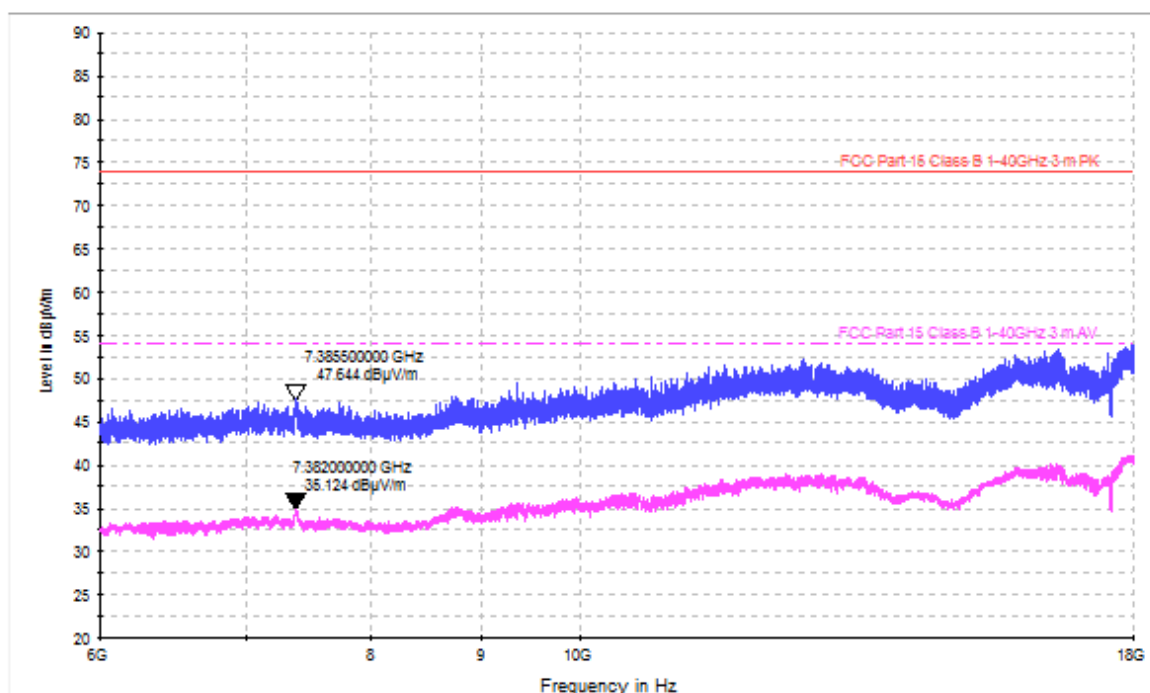
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7386	38,97	-8,49	6,55	<b>37,03</b>	yes	54,00	16,97
9848	34,62	-5,96	7,48	<b>36,14</b>	no	---	---

Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – High Channel (2462 MHz) – 6Mbit/s (worst case)

Frequency: 6GHz – 18GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7386	49,58	-8,49	6,55	<b>47,64</b>	yes	74,00	26,36

AVERAGE RESULT (RBW=1MHz)

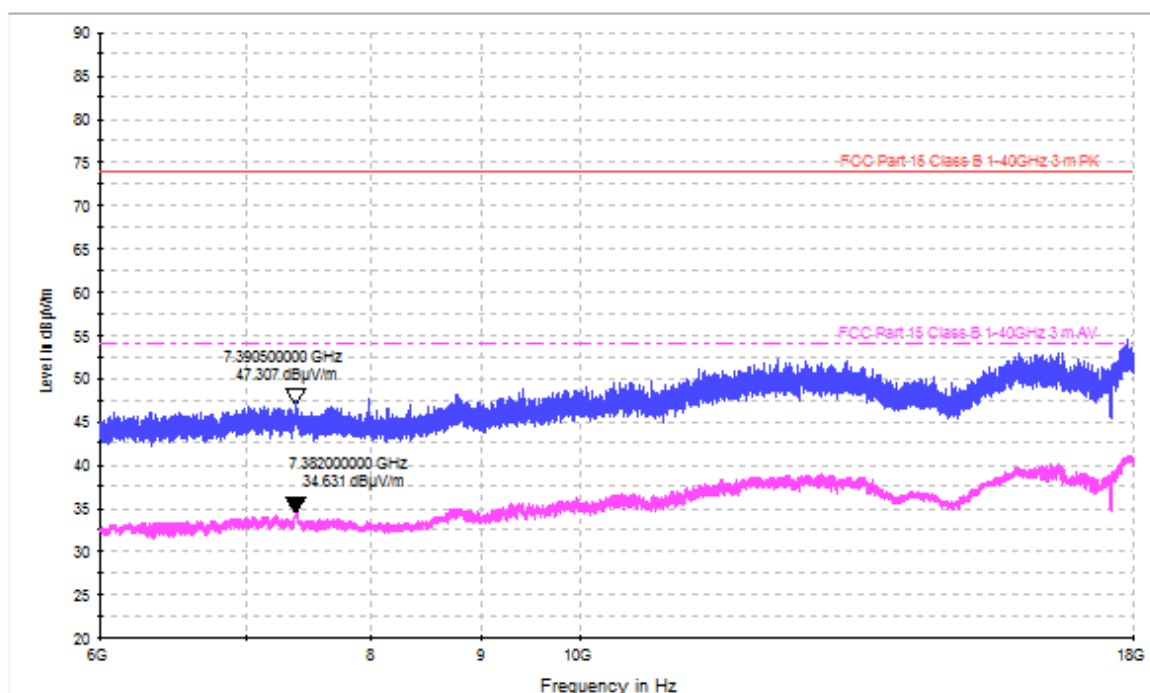
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7386	37,06	-8,49	6,55	<b>35,12</b>	yes	54,00	18,88

Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – High Channel (2462 MHz) – MCS0 (worst case)

Frequency: 6GHz – 18GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



PEAK RESULT (RBW=1MHz)

Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	PK Limit (AV Limit + 20dB)	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7386	49,24	-8,49	6,55	<b>47,30</b>	yes	74,00	26,70

AVERAGE RESULT (RBW=1MHz)

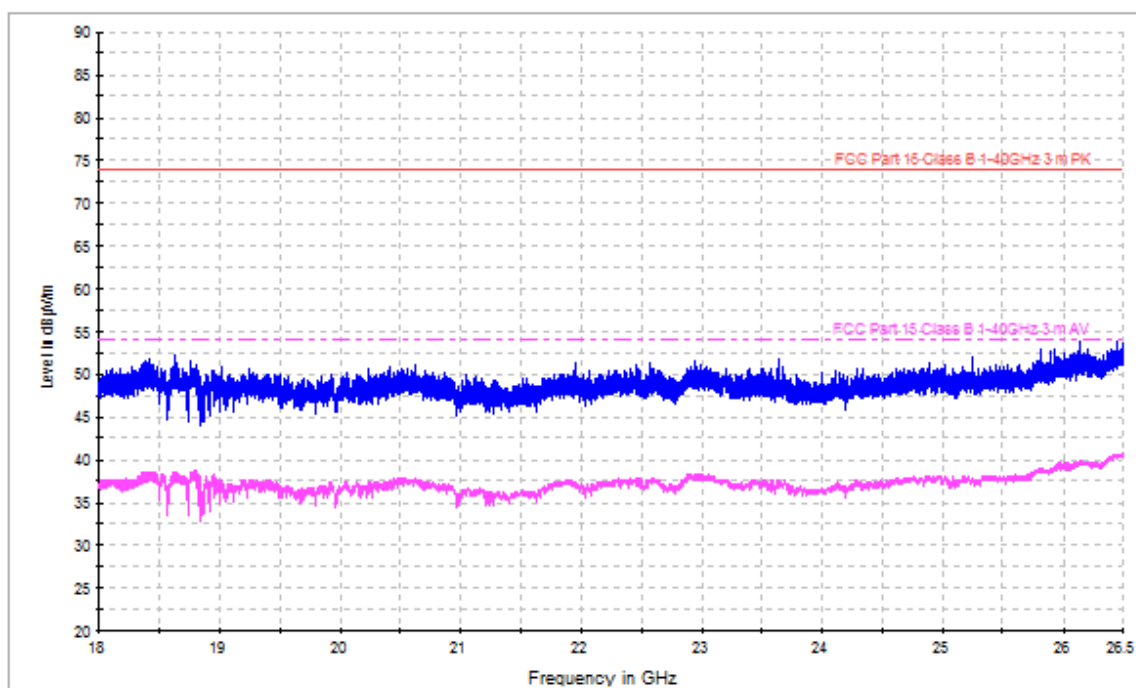
Frequency	Reading value	Antenna Factor with Pre-Amp.	Cable Loss	Correcting reading	Restricted band	AV Limit	Margin
(MHz)	(dBµV)	(dB3/m)	(dB)	(dBµV/m)	/	(dBµV/m)	(dB)
7386	36,57	-8,49	6,55	<b>34,63</b>	yes	54,00	19,37

Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Low Channel (2412 MHz) – 11Mbit/s (worst case)

Frequency: 18GHz – 26,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

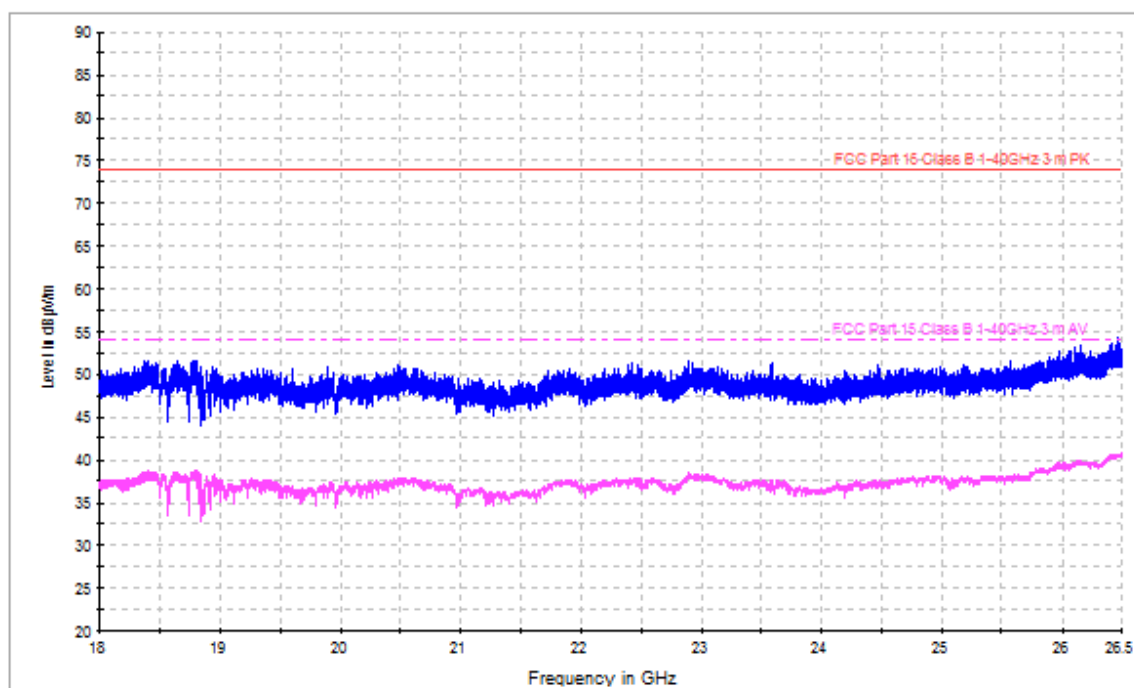


Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Low Channel (2412 MHz) – 6Mbit/s (worst case)

Frequency: 18GHz – 26,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

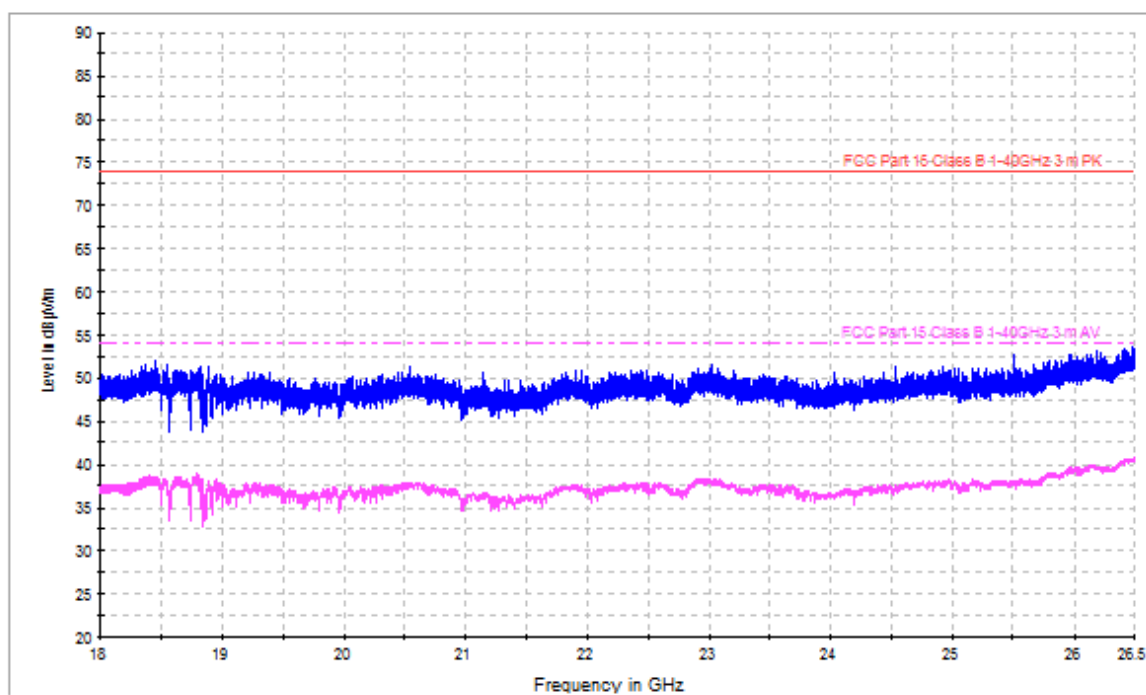


Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Low Channel (2412 MHz) – MCS0 (worst case)

Frequency: 18GHz – 26,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

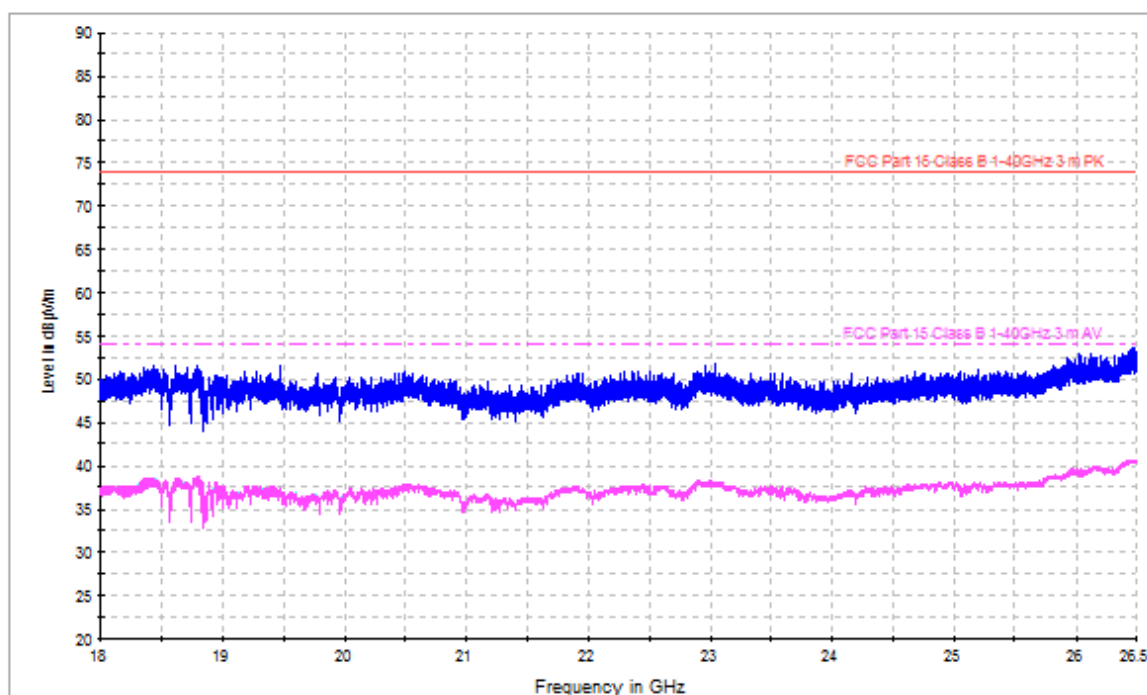


Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – Middle Channel (2437 MHz) – 11Mbit/s (worst case)

Frequency: 18GHz – 26,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

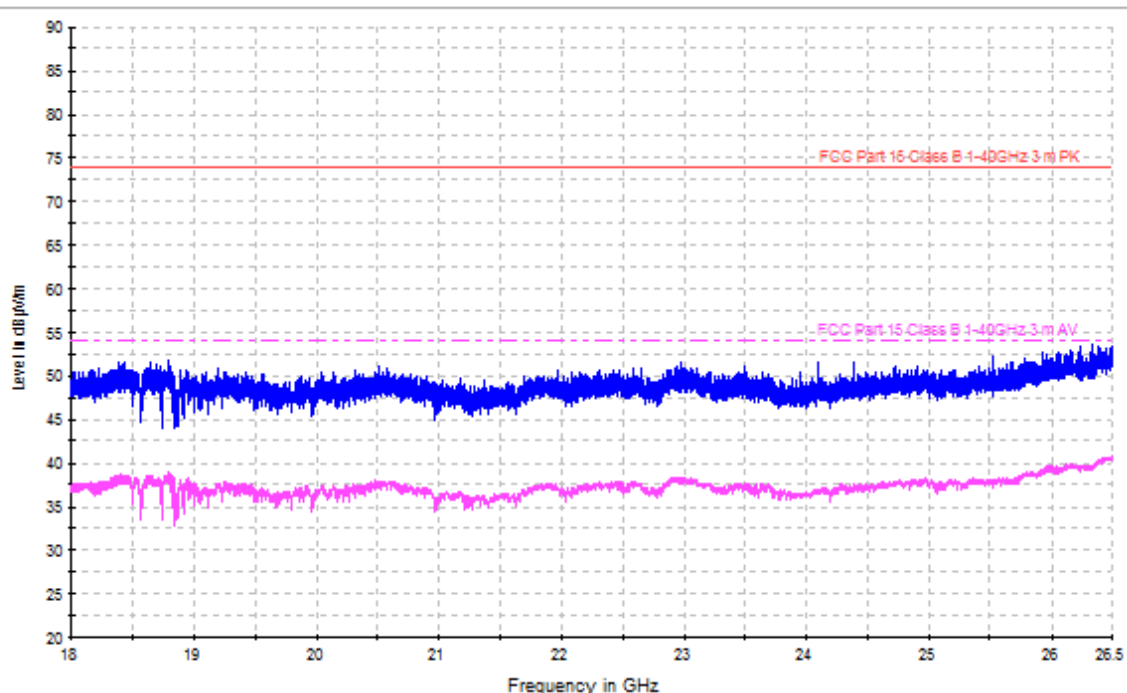


Graphical representation of Radiated Emission Measurement

Operation Mode: #2 – Middle Channel (2437 MHz) – 6Mbit/s (worst case)

Frequency: 18GHz – 26,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



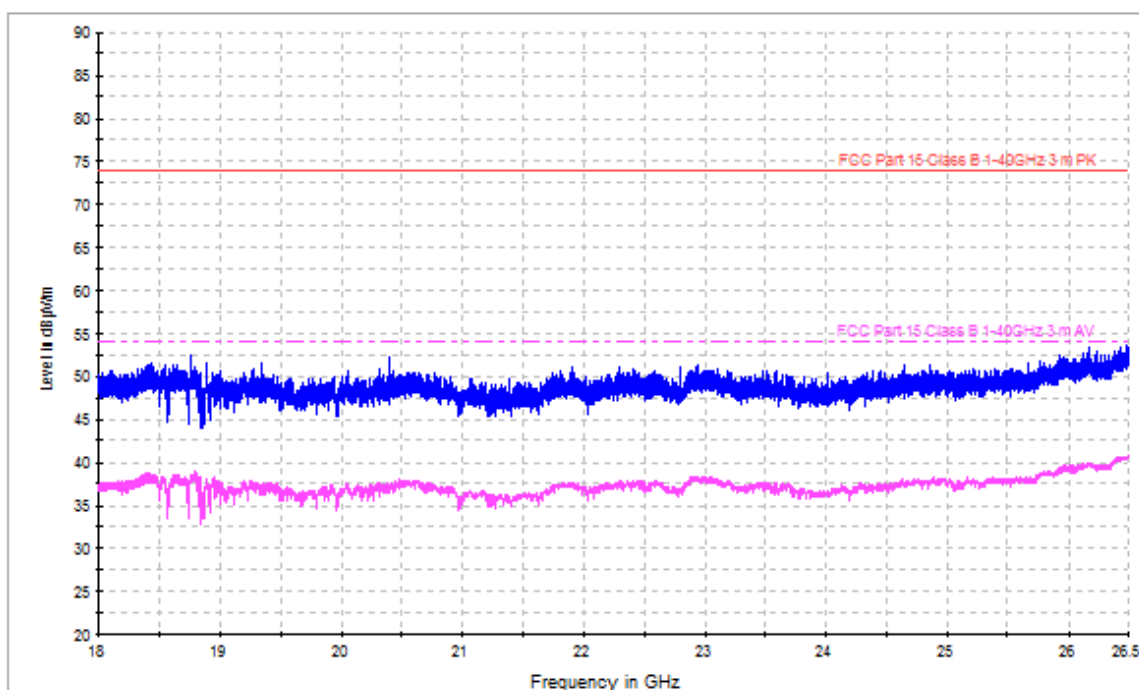


Graphical representation of Radiated Emission Measurement

Operation Mode: #3 – Middle Channel (2437 MHz) – MCS0 (worst case)

Frequency: 18GHz – 26,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)



Graphical representation of Radiated Emission Measurement

Operation Mode: #1 – High Channel (2462 MHz) – 11Mbit/s (worst case)

Frequency: 18GHz – 26,5GHz

Antenna Polarization: Horizontal (worst case with EUT on X,Y and Z axis)

