


Applicant:	CUSTOM S.p.A Via Berettine 2/B – 43010 Fontevivo – Parma - Italy Phone: 0521 680111		
Trademark:			
Test item:	Printer MP RANGER USB TH FI BLACK IT		
Identification / Type No.:	MP350		
FCC ID:	OAH-5040120		
Order content:	Full tests according to the following standard:		
Test specification:	FCC Part 15, Subpart C (15.247)		
Date of receipt:	22/02/2022		
Internal storage No.:	A003216149-003		
Testing period:	From 04/04/2022 to 20/04/2022		
Place of testing:	TÜV Rheinland Italia S.r.l. Via E. Mattei, 3 20005 Pogliano Milanese – Milano – Italy		
Testing laboratory:	TÜV Rheinland Italia S.r.l. Via E. Mattei, 3 20005 Pogliano Milanese – Milano – Italy		
Test result:	PASS		
Tested by:	Francesco Lombardi	Authorized by:	Giovanni Molteni
Date:	16/09/2022	Date:	16/09/2022
Position	Sachverständige(r)/Expert	Position	Sachverständige(r)/Expert
Condition of the test item at delivery:	Test item complete and undamaged		
<p>The test results reported in this test report shall refer only to the samples tested. This report may not be partially reproduced, except with the prior written permission of the issuing Laboratory. TRI refuses any responsibility about information supplied by the customer contained in this test report. TRI is not responsible for the sampling phase.</p>			



The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.

As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.


Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.

Unless otherwise agreed with the customer, a conformity assessment is always carried out based on the applied standards. At the customer's request, the statement on the conformity of the product tested in this test report is carried out according to the criteria/requirements of the applied standards. Evaluation conditions deviating from these are documented separately in the respective chapters.

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1. General description of test item(s)

Description	Printer MP RANGER USB TH FI BLACK IT
Model	MP350
Serial number	ESB1026121280071
Part number	911MM010100P33
Manufacturer	CUSTOM S.p.A
Country of manufacturer	Italy
Trademark	
Power supply	DC Power
Supply voltage	Internal Battery (Technology: Lithium-ion)
Battery model name	INR18650-2S1P
Battery voltage-capacity	7.2V 2.6Ah 18.72Wh
Battery cycle	750
Battery life (print)	720 minutes x 300 tickets
Manufacturer (Battery)	Shenzhen Hypercell Co.,LTD
Equipment type	Intentional radiator
Hardware version	St145-c

Software version	1.22
Dimensions	149(L) x 53(H) x 122(P) mm
Weight	475gr (with battery included)
Printing width	76.2 mm and 80 mm
Operating temperature	From -10°C to +50°C
Operating humidity (RH)	Form 10% to 95%
EUT standing	Portable
Test sample obtaining:	<input checked="" type="checkbox"/> Sampling by customer <input type="checkbox"/> Sampling by TÜV Rheinland Group <input type="checkbox"/> others:

2. Equipment using during test

Equipment under test

No.	Product type	Manufacturer	Model	Comments
1	Printer MP RANGER USB TH FI BLACK IT	CUSTOM S.p.A.	MP350	---

Auxiliary Equipment / Peripherals

Nr.	Product type	Manufacturer	Model	Comments
1	Laboratory PC	DELL	---	- used to enable wireless communication (Bluetooth Low Energy, Bluetooth Enhanced Data Rate & Wi-Fi) on EUT, via software PrinterSet.
				- used ESP_RF_test_tool_v1.1.0, for setting the radio module in the following radio communications: BLE, BT EDR & Wi-Fi
2	Cradle 1 slot P-Ranger	CUSTOM S.p.A	---	- used to charge battery
3	Switching power adapter	CUSTOM S.p.A	POWER SUPPLY FOR CRADLE 4 SLOTS P-RANGER	- use to power supply cradle


Input/Output ports

No.	Name	Type	Cable length	Cable shielded	Comments
1	Enclosure port	Plastic	---	---	closed by snaps
2	AC power port	---	---	---	port not present
3	DC power port	Internal battery	---	---	Battery model: INR18650-2S1P
4	Signal control port	---	---	---	port not present
5	Wired network port	---	---	---	port not present

EUT modification

None


3. Radio module identification


Wi-Fi module & Antenna technical data	
Module manufacturer	 ESPRESSIF
Radio type	Transceiver
Chip radio	ESP32-PICO-D4
Type of equipment	<input type="checkbox"/> stand-alone equipment <input checked="" type="checkbox"/> combined equipment <input type="checkbox"/> multi-radio equipment
Protocols	802.11 b/g/n (802.11n up to 150 Mbps)
Frequency range	2400 – 2500GHz
Channel bandwidth	22MHz
Channel separation	5MHz
Number of channel	11 channels in b / g / HT20 modes (channel 1 to 11) 9 channels in HT40 mode (channel 3 to 9)
Modulation type	<input type="checkbox"/> Frequency hopping (FHSS) equipment <input checked="" type="checkbox"/> Wideband data transmission (non-FHSS equipment) (DSS, CCK, OFDM, HT20, HT40, MCS32)
Sensitivity	DSSS, 1 Mbps -98dBm CCK, 11 Mbps -91dBm OFDM, 6 Mbps -93dBm OFDM, 54 Mbps -75dBm HT20, MCS0 -93dBm HT20, MCS7 -73dBm HT40, MCS0 -90dBm HT40, MCS7 -70dBm MCS32 -89dBm
Transmit operating mode	<input checked="" type="checkbox"/> single antenna <input type="checkbox"/> multiple antennas, no beamforming <input type="checkbox"/> multiple antennas, with beamforming



With regard adaptivity, the type of equipment	<input type="checkbox"/> non-adaptive equipment <input type="checkbox"/> adaptive equipment <input checked="" type="checkbox"/> Equipment that can operate in both an adaptive and non-adaptive mode;
Spectrum access mechanism	<input type="checkbox"/> LBT (Listen Before Talk) Technique <input type="checkbox"/> DAA (Detect And Avoid) Technique <input checked="" type="checkbox"/> Duty cycle
Environmental equipment	<input checked="" type="checkbox"/> Test only in normal conditions <input type="checkbox"/> Test in normal conditions and extreme conditions
Equipment that support a geo-location capability	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



Antenna	Description:	AMCA31-2R450G-S1F-T3
	Peak Gain:	0.5 dBi
	Type:	<input type="checkbox"/> External antenna <input checked="" type="checkbox"/> Dedicated antenna <input type="checkbox"/> Integral antenna
	Frequency	2450 MHz
	Impedance	50 Ω
	Manufacturer	

Antenna	Description:	Chip-Antenna WE-MCA
	Peak Gain:	0.5 dBi
	Type:	<input type="checkbox"/> External antenna <input checked="" type="checkbox"/> Dedicated antenna <input type="checkbox"/> Integral antenna
	Frequency	2400 - 2500 MHz
	Impedance	50 Ω
	Manufacturer	

Note: The test has been performed with Antenna AMCA31-2R450G-S1F-T3, manufacturer Abracon.



4. Channel list Wi-Fi

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2412	6	2437	11	2462
2	2417	7	2442		
3	2422	8	2447		
4	2427	9	2452		
5	2432	10	2457		

5. Applied reference standards

47 CFR Part 15	Radio Frequency Device - General
Title 47 Part 15 Subpart C	Radio Frequency Device – Intentional Radiators
Title 47 Part 15 Subpart C § 15.203	Radio frequency devices – Intentional Radiators Antenna requirement
Title 47 Part 15 Subpart C § 15.205	Radio frequency devices – Intentional Radiators Restricted bands of operation
Title 47 Part 15 Subpart C § 15.209	Radio frequency devices – Intentional Radiators Radiated Emissions Limits
Title 47 Part 15 Subpart C § 15.247	Radio Frequency Devices – Intentional Radiators Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz
558074 D01 DTS Meas Guidance v05r02 - April 02,2019	Guidance for performing compliance measurements on digital transmission systems (DTS) operating under §15.247
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	2020 American National Standard for Testing Unlicensed Wireless Devices

6. Operating modes

No.	Description
1	Continuous Wi-Fi Modulation RF Transmission at maximum power, at low channel. Radio module (model ESP32-PICO-D4), set via ESP_RF_test_tool_v1.1.0, with the following parameters: ChipType: ESP32 BaudRate: 115200 Load bin: ESP32_RF_TEST_BIN_V1.4.6_20181019.bin Test Mode: Wi-Fi (TX continue) Wi-Fi Rate: 11b 1M, 11b 2M, 11b 5.5M, 11b 11M 11g 6M, 11g 9M, 11g 12M, 11g 18M, 11g 24M, 11g 36M, 11g 48M, 11g 54M 11n MCS0, 11n MCS1, 11n MCS2, 11n MCS3, 11n MCS4, 11n MCS5, 11n MCS6, 11n MCS7 BandWidth: 20M Channel: 1/2412MHz Attenuation: 0 dB
2	Continuous Wi-Fi Modulation RF Transmission at maximum power, at low channel. Radio module (model ESP32-PICO-D4), set via ESP_RF_test_tool_v1.1.0, with the following parameters: ChipType: ESP32 BaudRate: 115200 Load bin: ESP32_RF_TEST_BIN_V1.4.6_20181019.bin Test Mode: Wi-Fi (TX continue) Wi-Fi Rate: 11n MCS0, 11n MCS1, 11n MCS2, 11n MCS3, 11n MCS4, 11n MCS5, 11n MCS6, 11n MCS7 BandWidth: 40M Channel: 3/2422MHz Attenuation: 0 dB



No.	Description
3	<p>Continuous Wi-Fi Modulation RF Transmission at maximum power, at middle channel. Radio module (model ESP32-PICO-D4), set via ESP_RF_test_tool_v1.1.0, with the following parameters: ChipType: ESP32 BaudRate: 115200 Load bin: ESP32_RF_TEST_BIN_V1.4.6_20181019.bin Test Mode: Wi-Fi (TX continue) Wi-Fi Rate: 11b 1M, 11b 2M, 11b 5.5M, 11b 11M 11g 6M, 11g 9M, 11g 12M, 11g 18M, 11g 24M, 11g 36M, 11g 48M, 11g 54M 11n MCS0, 11n MCS1, 11n MCS2, 11n MCS3, 11n MCS4, 11n MCS5, 11n MCS6, 11n MCS7 BandWidth: 20M / 40M Channel: 6/2437MHz Attenuation: 0 dB</p>
4	<p>Continuous Wi-Fi Modulation RF Transmission (duty cycle >98%) at maximum power, at high channel. Radio module (model ESP32-PICO-D4), set via ESP_RF_test_tool_v1.1.0, with the following parameters: ChipType: ESP32 BaudRate: 115200 Load bin: ESP32_RF_TEST_BIN_V1.4.6_20181019.bin Test Mode: Wi-Fi (TX continue) Wi-Fi Rate: 11b 1M, 11b 2M, 11b 5.5M, 11b 11M 11g 6M, 11g 9M, 11g 12M, 11g 18M, 11g 24M, 11g 36M, 11g 48M, 11g 54M 11n MCS0, 11n MCS1, 11n MCS2, 11n MCS3, 11n MCS4, 11n MCS5, 11n MCS6, 11n MCS7 BandWidth: 20M Channel: 11/2462MHz Attenuation: 0 dB</p>
5	<p>Continuous Wi-Fi Modulation RF Transmission (duty cycle >98%) at maximum power, at high channel. Radio module (model ESP32-PICO-D4), set via ESP_RF_test_tool_v1.1.0, with the following parameters: ChipType: ESP32 BaudRate: 115200 Load bin: ESP32_RF_TEST_BIN_V1.4.6_20181019.bin Test Mode: Wi-Fi (TX continue) Wi-Fi Rate: 11n MCS0, 11n MCS1, 11n MCS2, 11n MCS3, 11n MCS4, 11n MCS5, 11n MCS6, 11n MCS7 BandWidth: 40M Channel: 9/2452MHz Attenuation: 0 dB</p>

7. EUT configuration

The test setup was made in accordance with mentioned FF standards.

Measurements and tests were executed under "worst case" conditions. Typical EUT arrangements or operating modes were chosen or assumed which let suspect maximum emission or susceptibility (a so called "unfavourable configuration").

Details of test setup or adjustments are (particularly) shown inside the photo documentation.
As far as not mentioned otherwise these statements are valid for all following tests.

8. Climatic conditions

Ambient Temperature	10 – 40 °C
Relative Humidity	10 – 90 %
Air pressure	Not specified

Note: According to ANSI C63.4

9. Statement of the measurement uncertainty

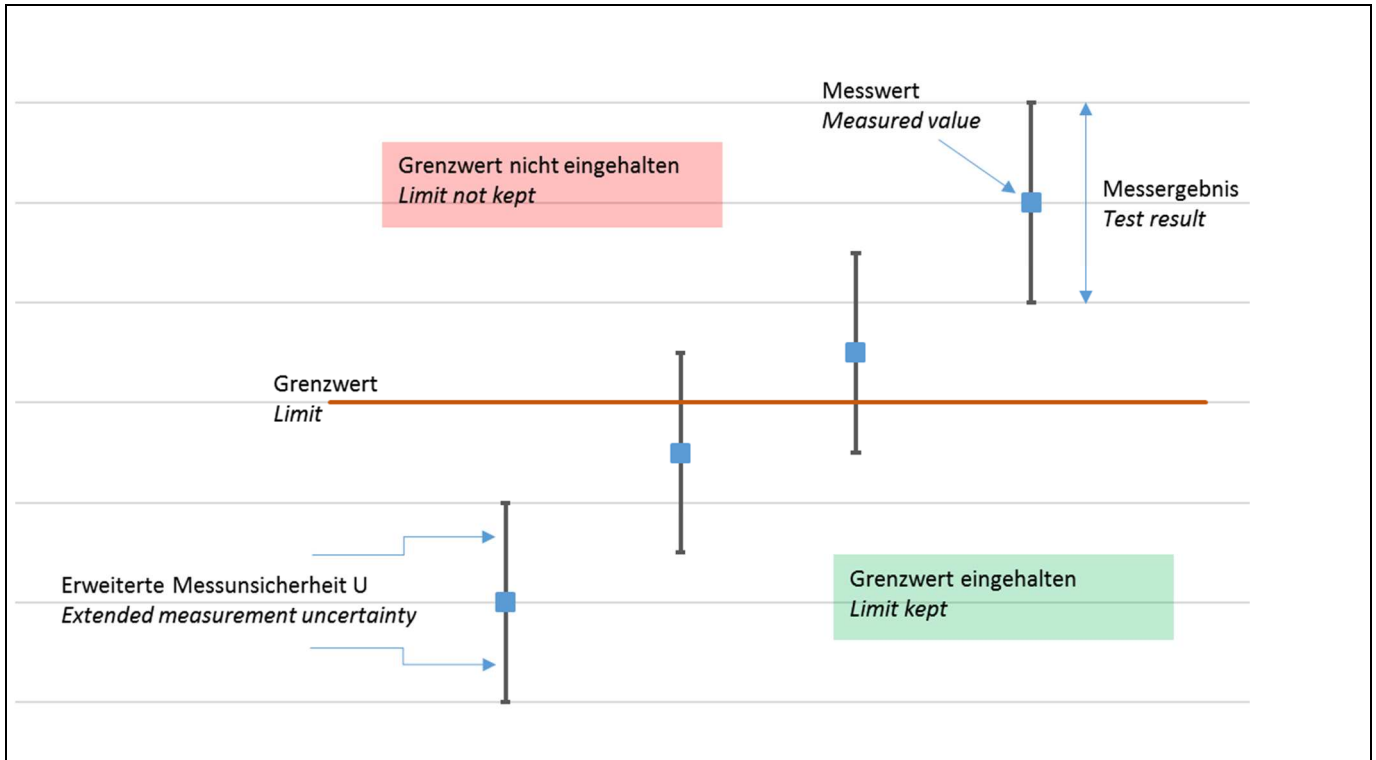
The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16-4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the quality system acc. to ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation.

The manufacturer has the sole responsibility of continued compliance of the device

10. Measurement uncertainty

Test Method	Uncertainty (95%)	Coverage factor k
RF Radiated emissions – range (30 – 1000) MHz	4,9 dB	2,0
RF Radiated emissions – range (1 – 8) GHz	5,1 dB	2,0
RF Radiated emissions – range (8 – 40) GHz	5,4 dB	2,0
TX Carrier Power – Conducted (1GHz – 8GHz)	1,5 dB	2,0
Occupied Bandwidth (OBW)	514.4 x 1.00E-9	2,0
Power Spectral Density (0 – 3.6) GHz	3,7 mW	2,0
TX Conducted Spurious Emissions (9KHz – 1GHz)	0.92 dB	2,0
TX Conducted Spurious Emissions (1 – 8)	1,5 dB	2,0
TX Conducted Spurious Emissions (8 – 40) GHz	2,4 dB	2,0
Measurement of Normalised Site Attenuation and VSWR	6,0 dB	2,0

11. Example for interpretation of measuring results



Example for interpretation of measuring results

<i>Measured value</i>	<i>Limit</i>	<i>Extended measurement uncertainty (k=2)</i>	<i>Test result</i>
48.9 dB μ V @ 16.5 MHz	50 dB μ V	2.2 dB	46.7 dB μ V – 51.1 dB μ V

Decision rule :

Statements of conformity (PASS or FAIL) to specifications are made in this report without taking measurement uncertainty into account.

Where statements of conformity are made in this report, the following decision rules are applied:

PASS – Results within limits/specifications

FAIL – Results exceed limits/specifications

12. Result summary section

Requirement – Test case	Operating modes	Result
Radiated emissions (9KHz – 26GHz) ¹	1, 2, 3, 4, 5	PASS
Restricted bands of operation	1, 2, 3, 4, 5	PASS
Antenna requirements	---	PASS
Maximum Conducted Peak Output Power	1, 2, 3, 4, 5	PASS
6db Bandwidth	1, 2, 3, 4, 5	PASS
Out-of-band emissions ¹	1, 2, 3, 4, 5	PASS
Band Edge ¹	1, 2, 4, 5	PASS
Power spectral density	1, 2, 3, 4, 5	PASS
Additional provisions to the general radiated emission limitations	---	PASS

¹ Test has been performed only worst case data rate condition.

Worst case data rate condition has been established after maximum conducted peak output power test.

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 (dBμV)

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 (dBuV/m)

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

13. Change history

Test report number	List of revisions	Date
IT220WRF 001	First edition	16/09/2022

14. Emission Test

Radiated emission test (9KHz – 26GHz)	
Test date	From 05/04/2022 to 06/04/2022
Applied Standard	Title 47 Part 15 Subpart C §15.205; §15.209; §15.247
Test method	Par. 8.6 of KDB 558074 D01 15.247 Meas Guidance v05r02 (and par. 11.12.1 Radiated emission measurements of ANSI C63.10)
Temperature	23,1°
Humidity	54%
Tested by	Francesco Lombardi
Model	MP350
Internal Storage No.	1 (Storage no. A003216149-003)
Operating mode	1, 2, 3, 4, 5
Tested terminals	Enclosure
Result	PASS

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 Db below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 Db instead of 20 Db. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

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.

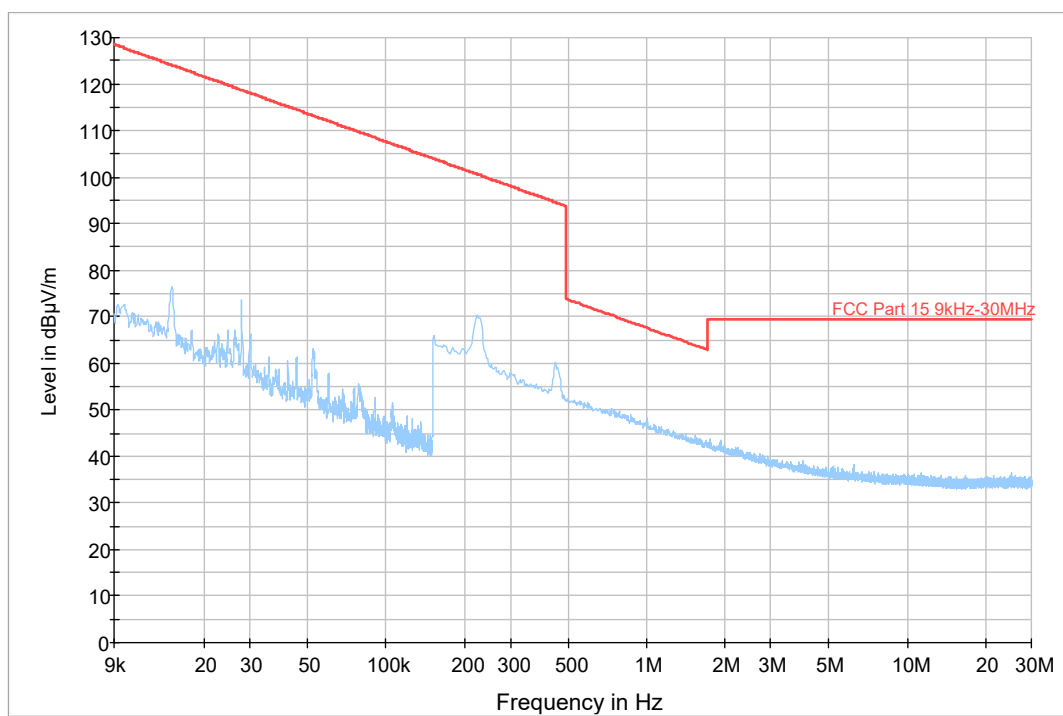
Remark: In accordance with part 15.31 (f) (2), where the measurement distance was specified to be 30 or 300 meters, a correction factor was applied in order to permit measurement to be performed at a separation distance. The applied formula for limits at 3 meter is:

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

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

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 9KHz – 30MHz
Data rate: 11b, 2M (worst case)
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

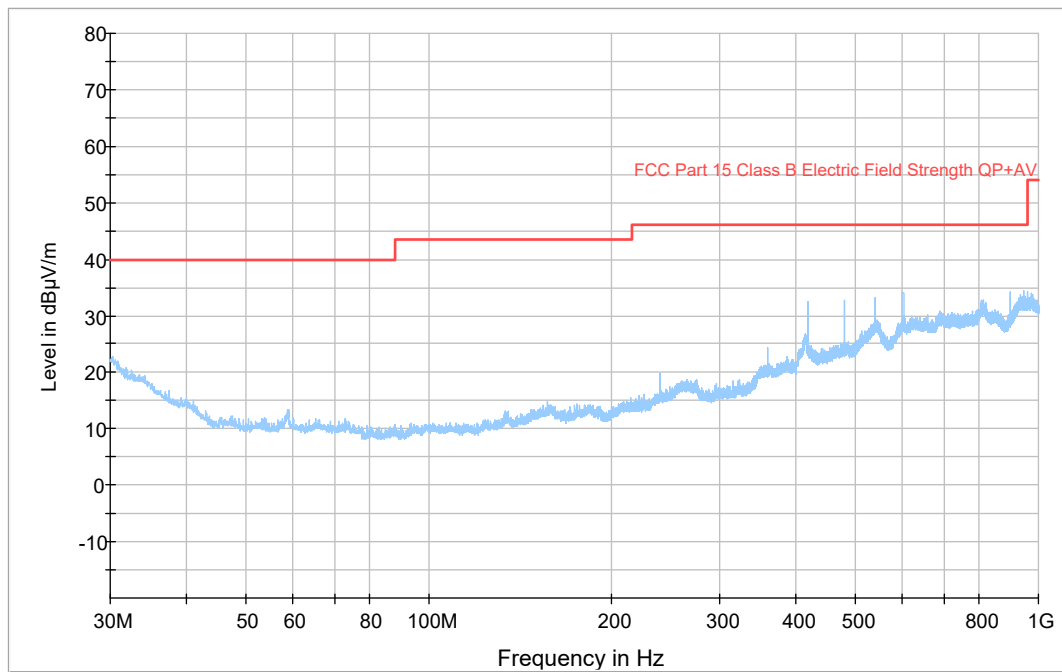
Full Spectrum



— Preview Result 1-PK+
 — FCC Part 15 9kHz-30MHz
 ◆ Final_Result QPK
 ◆ Final_Result A

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: 11b, 2M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

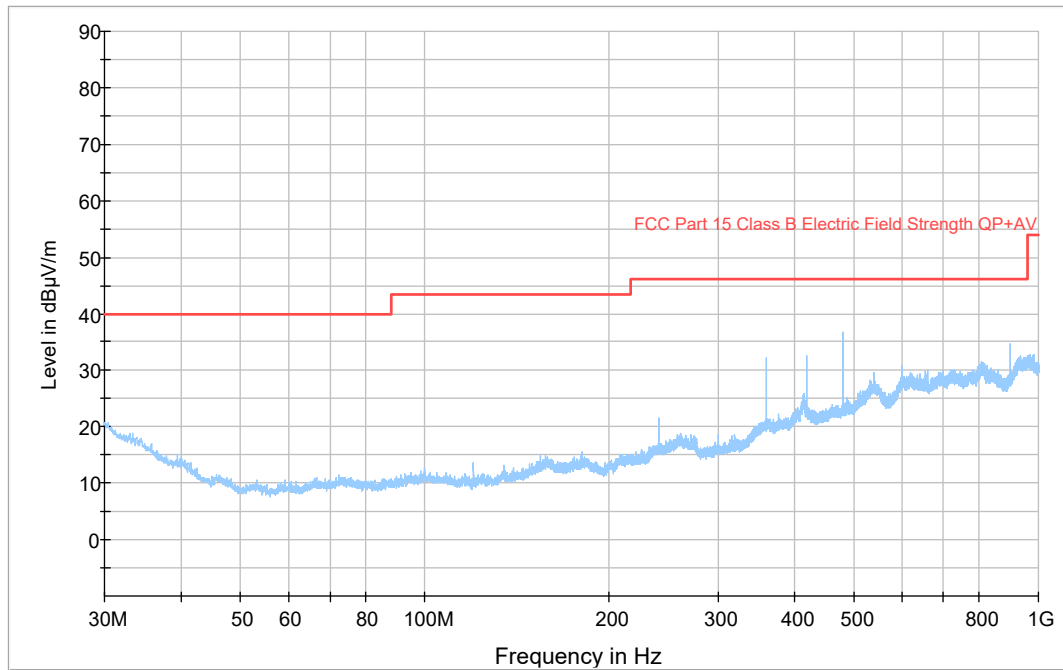
Full Spectrum









- | | |
|------------------------|--|
| — Preview Result 1-PK+ | * Critical_Freqs AVG |
| * Critical_Freqs PK+ | — FCC Part 15 Class B Electric Field Strength QP |
| ◆ Final_Result QPK | ◆ Final_Result AVG |

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: 11b, 2M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

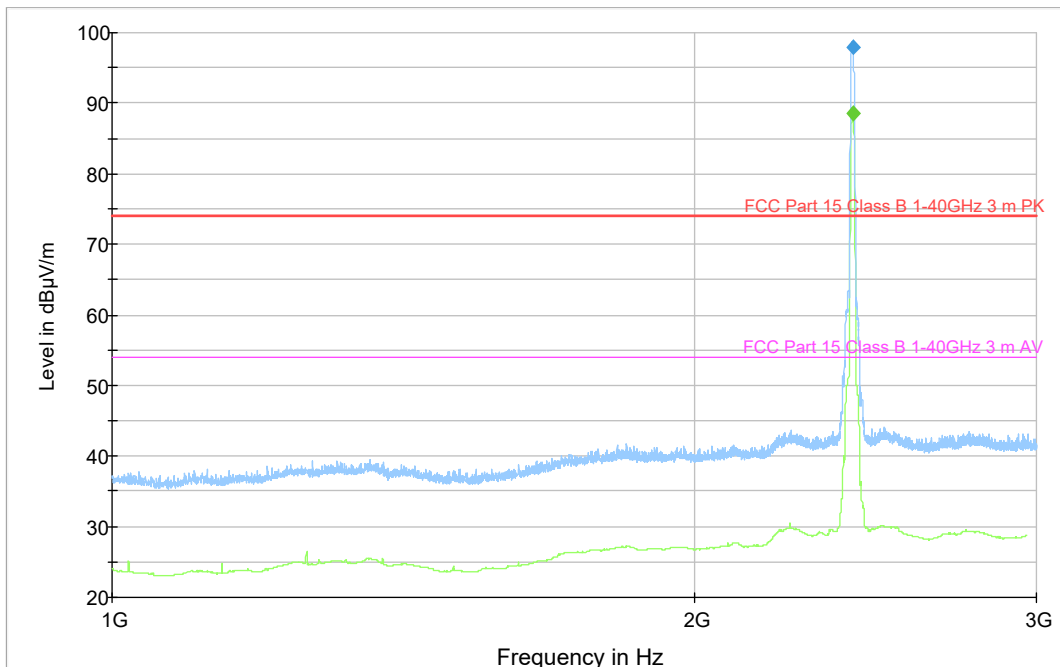
Full Spectrum



- | | |
|--|--|
|  Preview Result 1-PK+ |  Critical_Freqs AVG |
|  Critical_Freqs PK+ |  FCC Part 15 Class B Electric Field Strength QP |
|  Final_Result QPK |  Final_Result AVG |

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: 11b, 2M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

Final Result

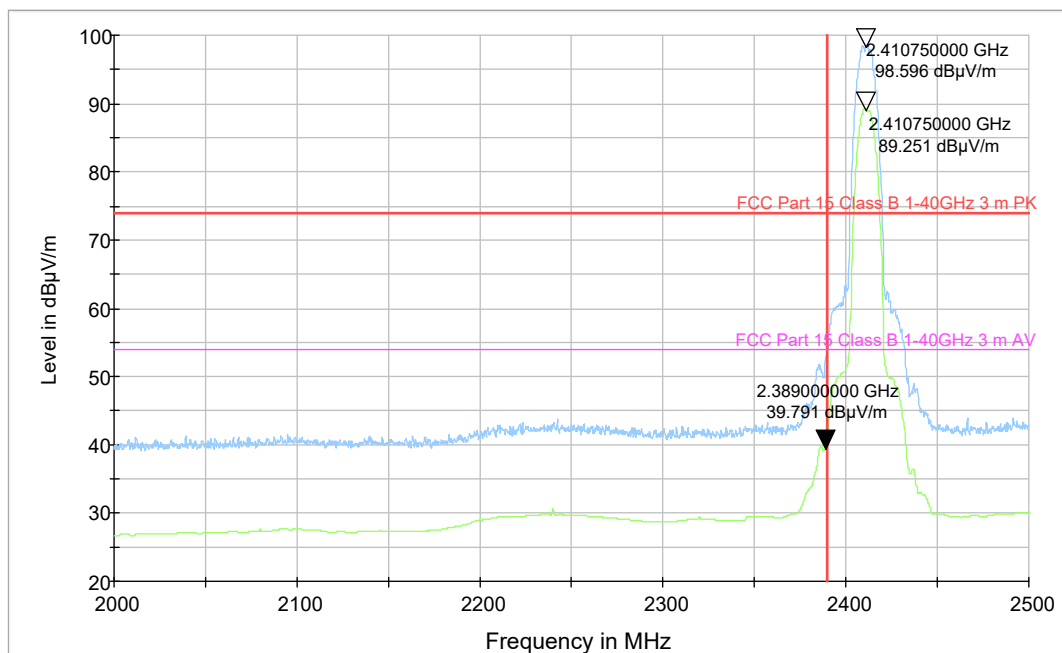
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2412.000000	---	88.64	---	---	1000.0	1000.000	180.0	V	270.0
2412.000000	97.97	---	---	---	1000.0	1000.000	180.0	V	270.0

Peaks out of limits are due to Wi-Fi carrier (exclusion band).

Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: 11b, 2M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2390MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

Fundamental Level

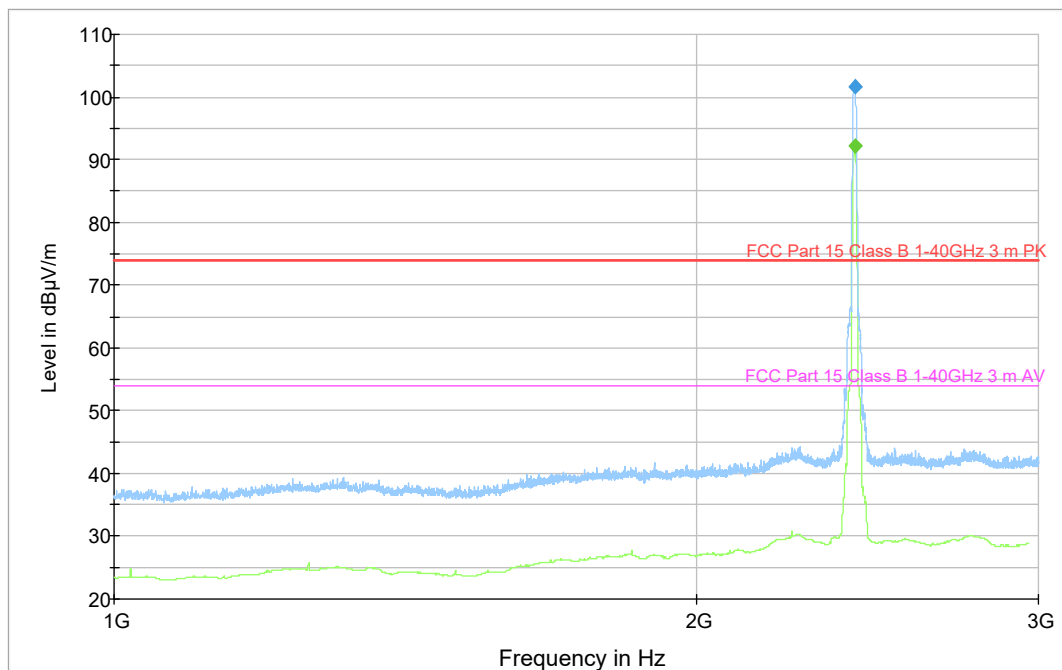
Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2410.750000	109.31	---	-14.28	3.57	98.60
2410.750000	---	99.96	-14.28	3.57	89.25

Peaks out of limits are due to Wi-Fi carrier (exclusion band).

Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: 11b, 2M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

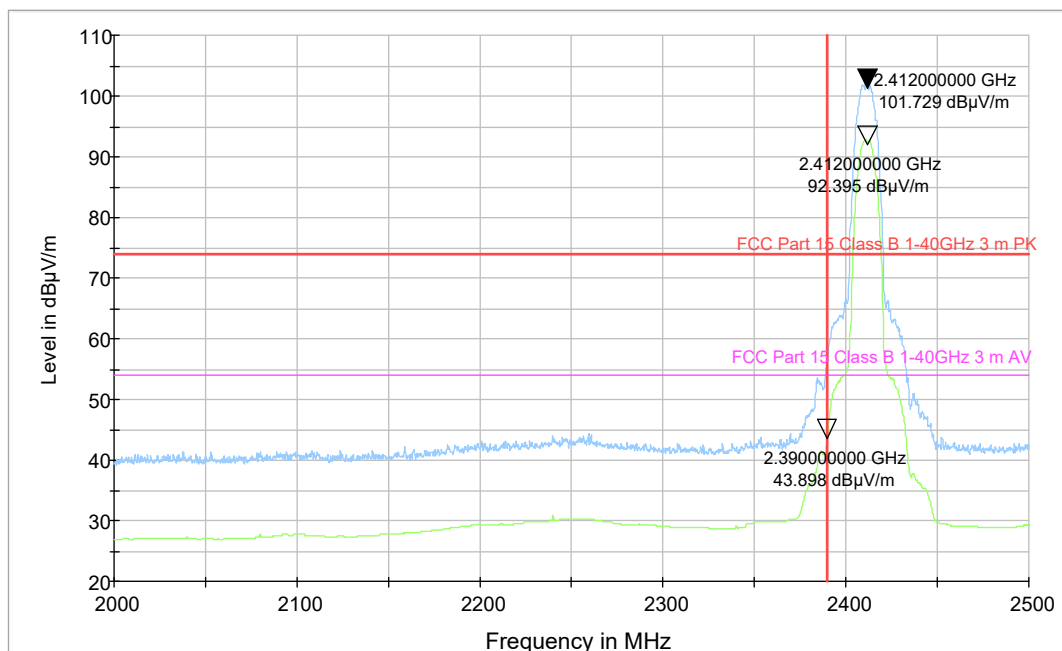
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2412.000000	---	92.20	---	---	1000.0	1000.000	180.0	H	0.0
2412.000000	101.56	---	---	---	1000.0	1000.000	180.0	H	0.0

Peaks out of limits are due to Wi-Fi carrier (exclusion band).
 Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: 11b, 2M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m

Full Spectrum



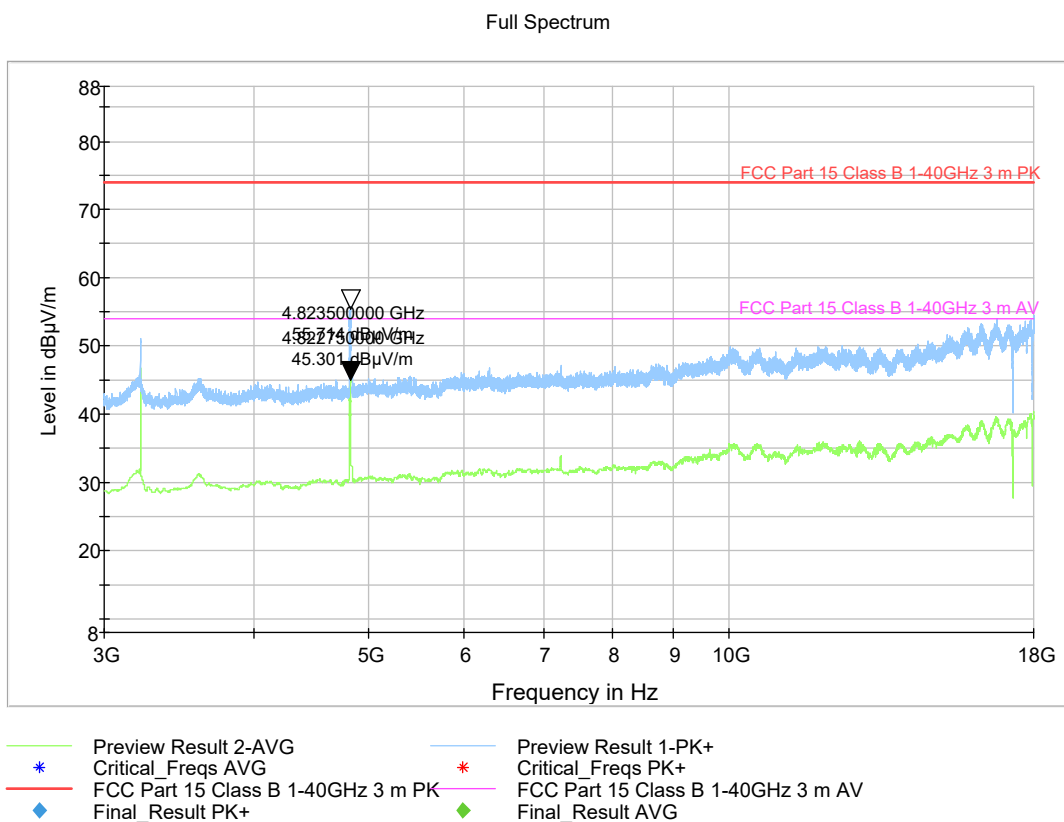
- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2390MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2412.000000	112.44	---	-14.28	3.57	101.73
2412.000000	---	103.11	-14.28	3.57	92.40

. Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

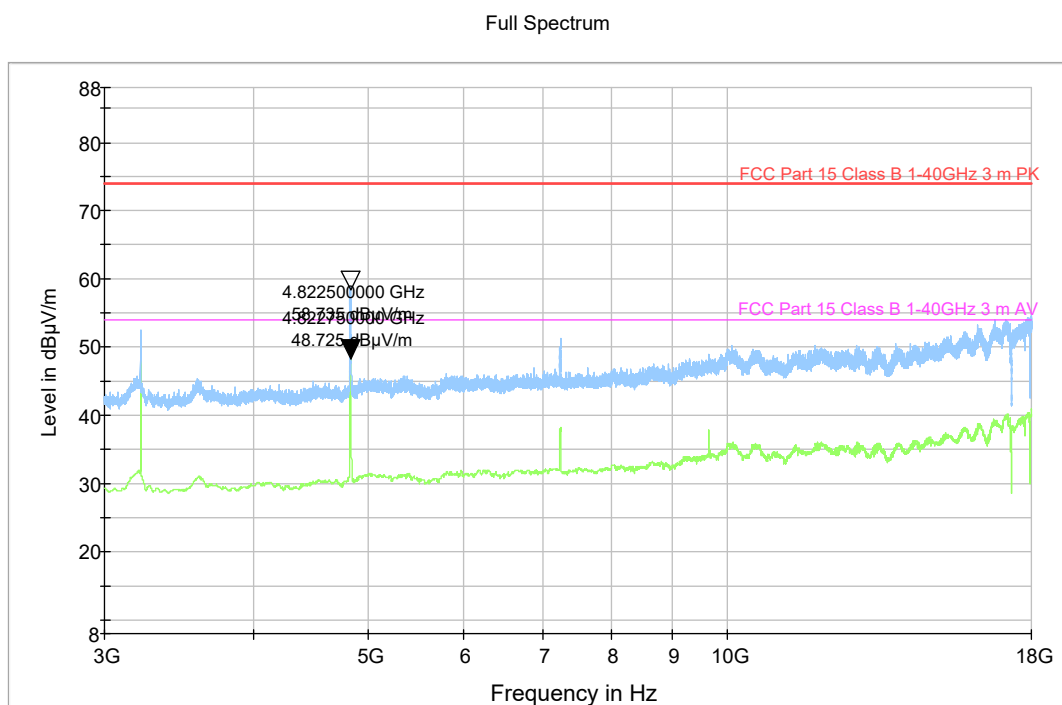
Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 3GHz -18GHz
Data rate: 11b, 2M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4823.500000	55.71	---	74.00	18.29	1000.0	1000.000	200.0	V	90.0
4822.750000	---	45.30	54.00	8.70	1000.0	1000.000	200.0	V	90.0

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 3GHz -18GHz
Data rate: 11b, 2M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

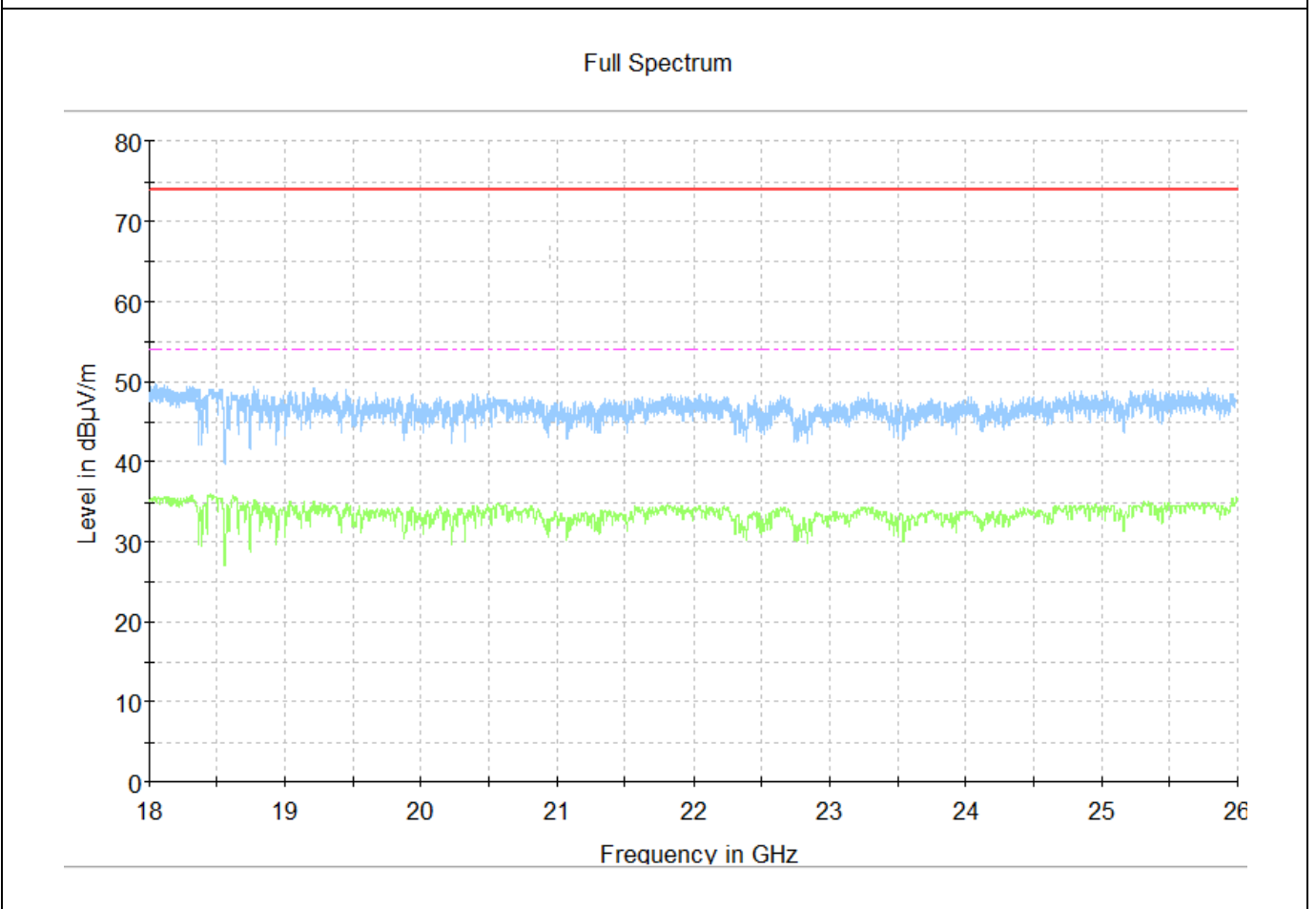


- Preview Result 2-AVG
- Preview Result 1-PK+
- * Critical_Freqs AVG
- * Critical_Freqs PK+
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4822.500000	58.73	---	74.00	15.27	1000.0	1000.000	210.0	H	90.0
4822.750000	---	48.72	54.00	5.28	1000.0	1000.000	210.0	H	90.0

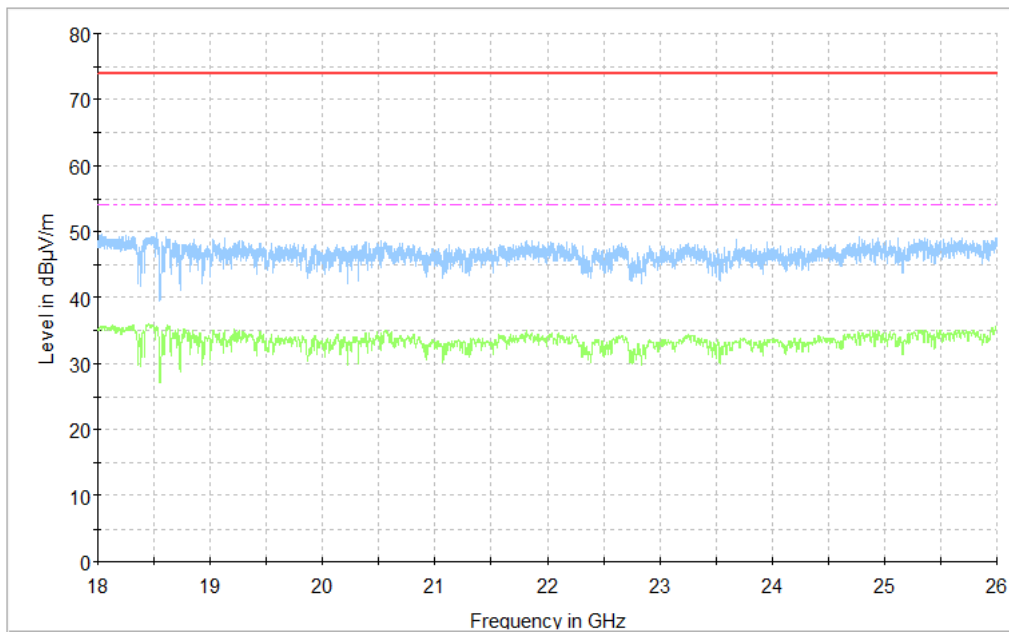
Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: 11b, 2M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m





Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: 11b, 2M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

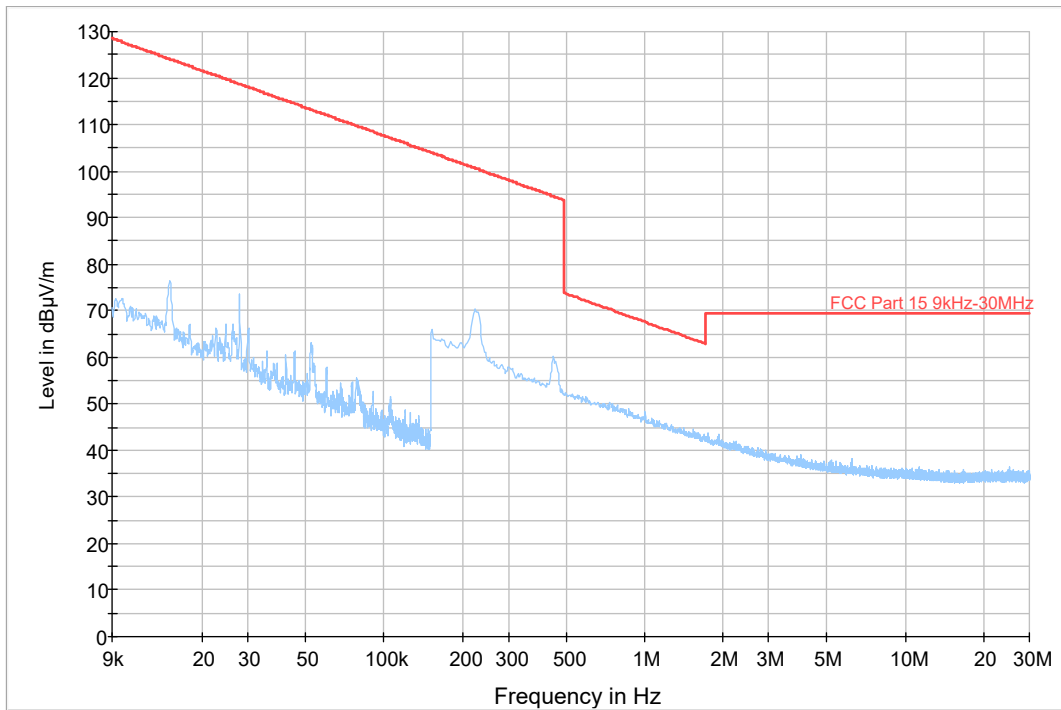
Full Spectrum





Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 9KHz – 30MHz
Data rate: 11g, 18M (worst case)
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

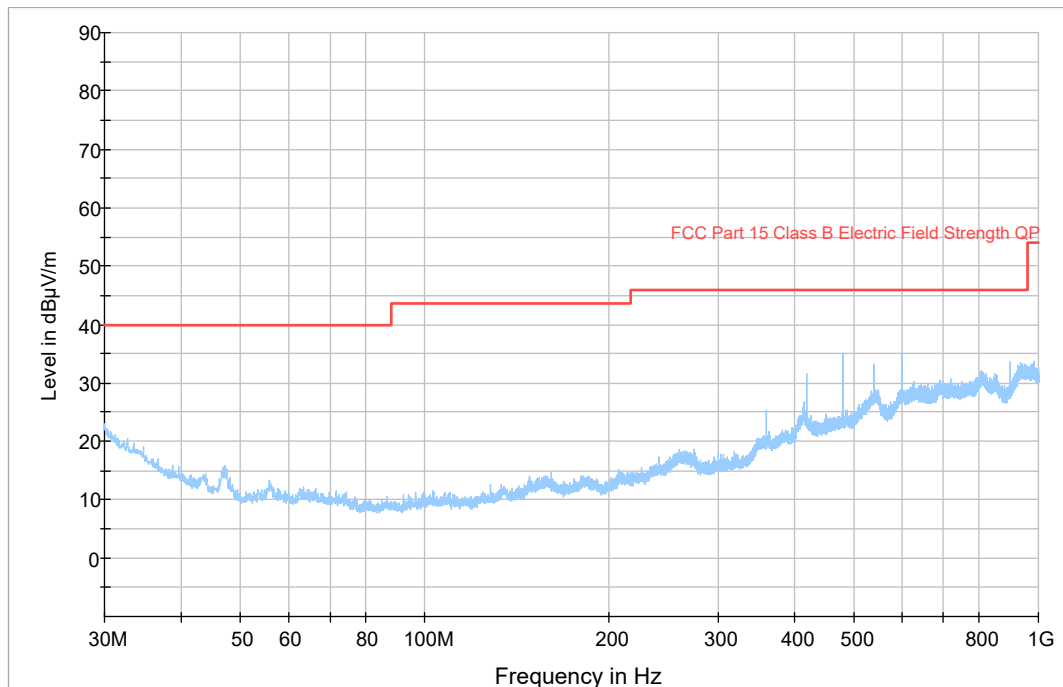
Full Spectrum



— Preview Result 1-PK+ — FCC Part 15 9kHz-30MHz ◆ Final_Result QPK ◆ Final_Result A

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: 11g, 18M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum

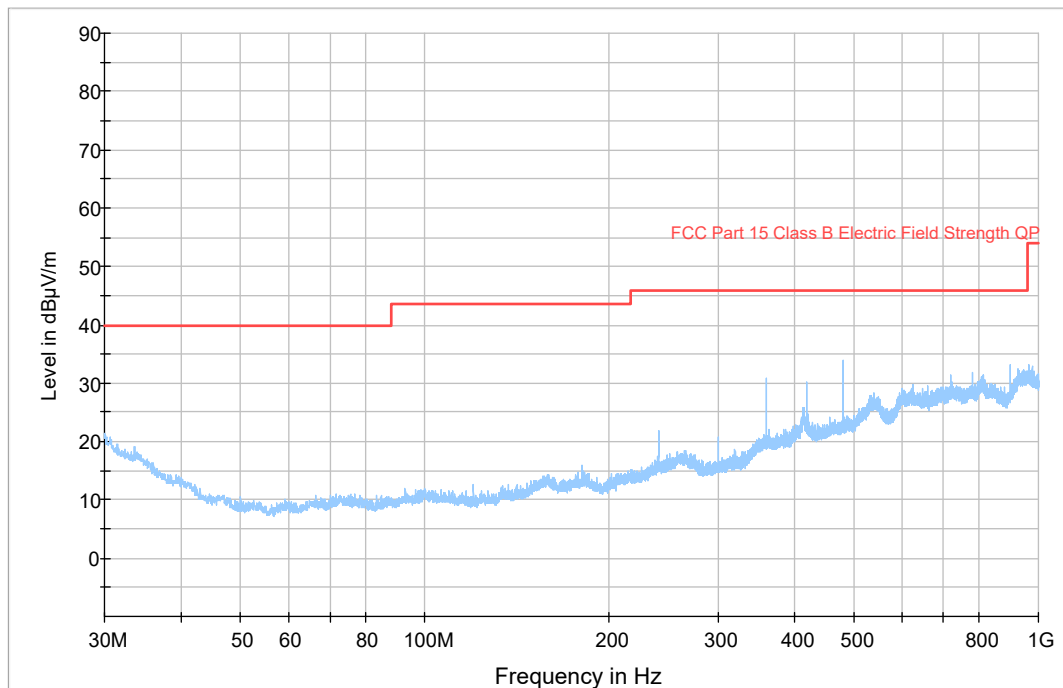


◆ Preview Result 1-PK+
Final_Result QPK

◆ FCC Part 15 Class B Electric Field Strength QP
Final_Result AVG

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: 11g, 18M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum

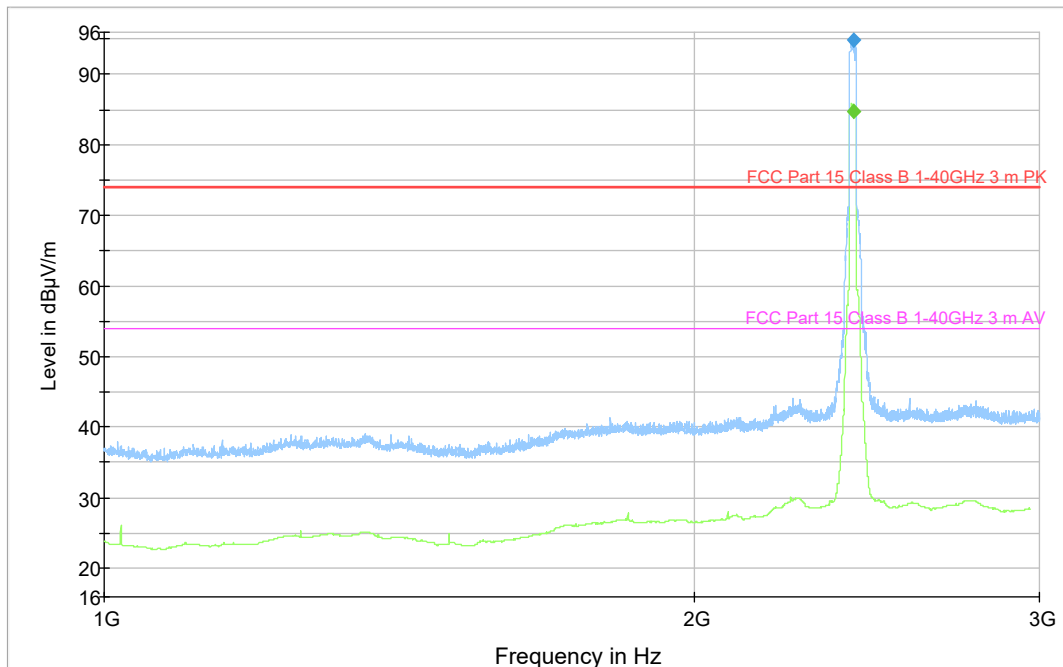


Preview Result 1-PK+
Final_Result QPK

FCC Part 15 Class B Electric Field Strength QP
Final_Result AVG

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: 11g, 18M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



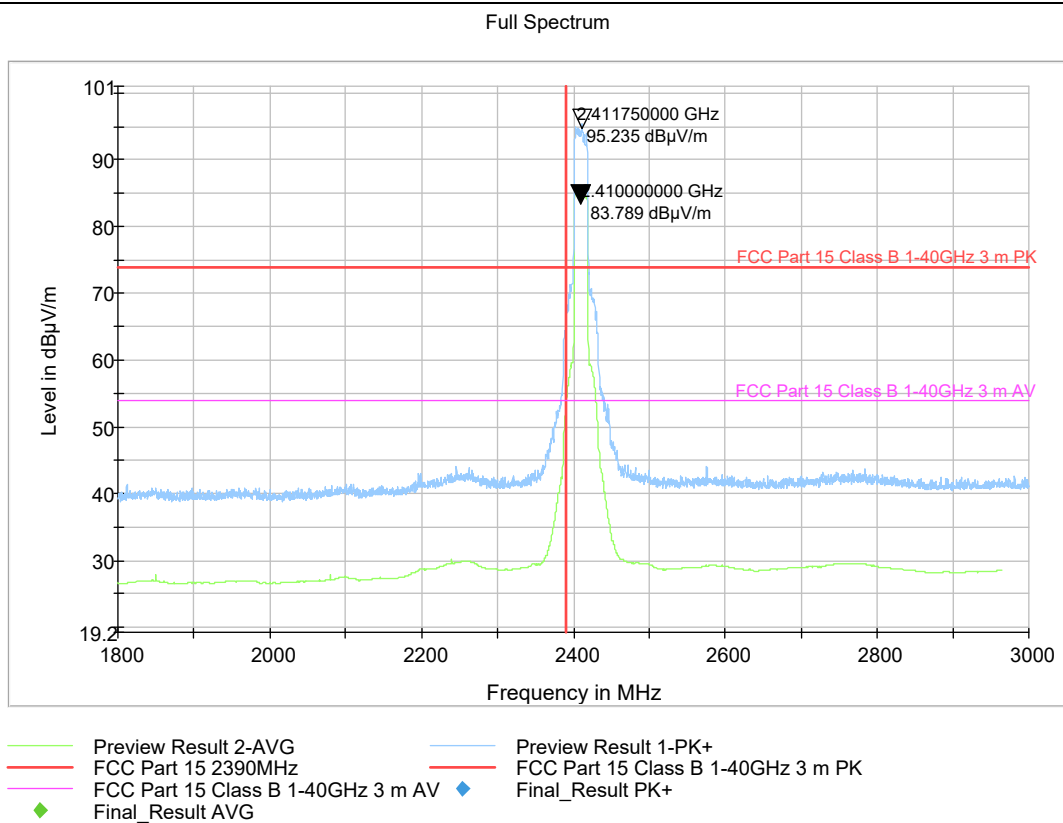
— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2412.000000	---	84.68	---	---	1000.0	1000.000	150.0	V	0.0
2412.000000	94.83	---	---	----	1000.0	1000.000	150.0	V	0.0

Peaks out of limits are due to Wi-Fi carrier (exclusion band).
 Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: 11g, 18M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m



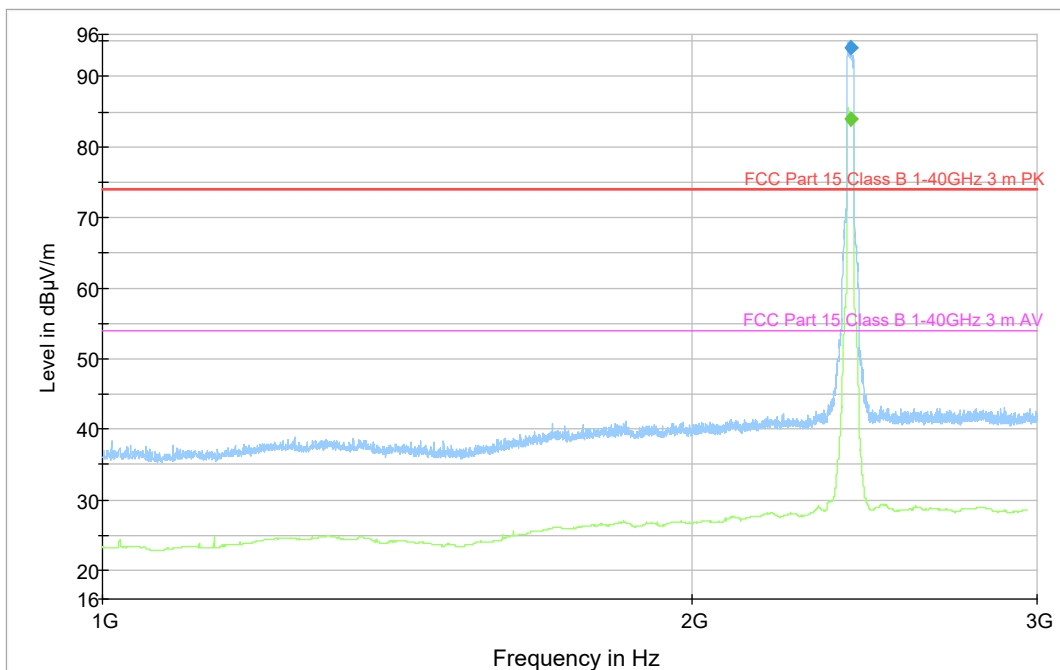
Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2411.750000	105.94	---	-14.28	3.57	95.23
2410.000000	---	94,51	-14.28	3.57	83.80

. Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: 11g, 18M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

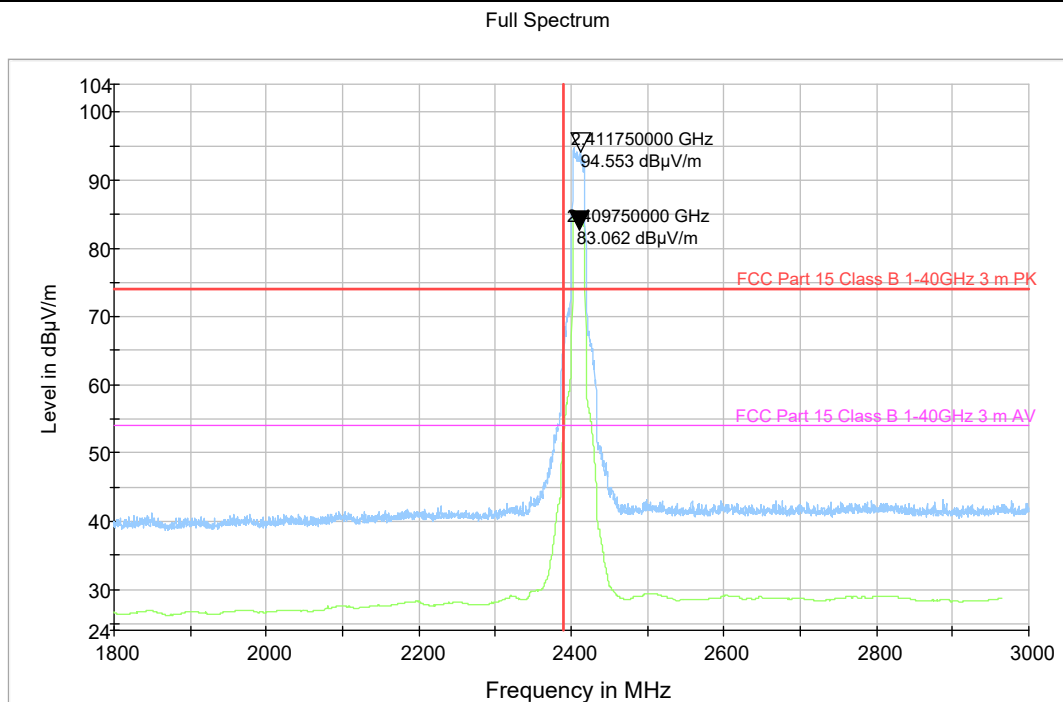
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2412.000000	94.07	---	74.00	---	1000.0	1000.000	140.0	H	0.0
2412.000000	---	83.98	54.00	---	1000.0	1000.000	140.0	H	0.0

Peaks out of limits are due to Wi-Fi carrier (exclusion band).
 Fundamental frequency not related to limit.



Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: 11g, 18M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m



- Preview Result 2-AVG
- FCC Part 15 2390MHz
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result AVG
- Preview Result 1-PK+
- FCC Part 15 Class B 1-40GHz 3 m PK
- Final_Result PK+

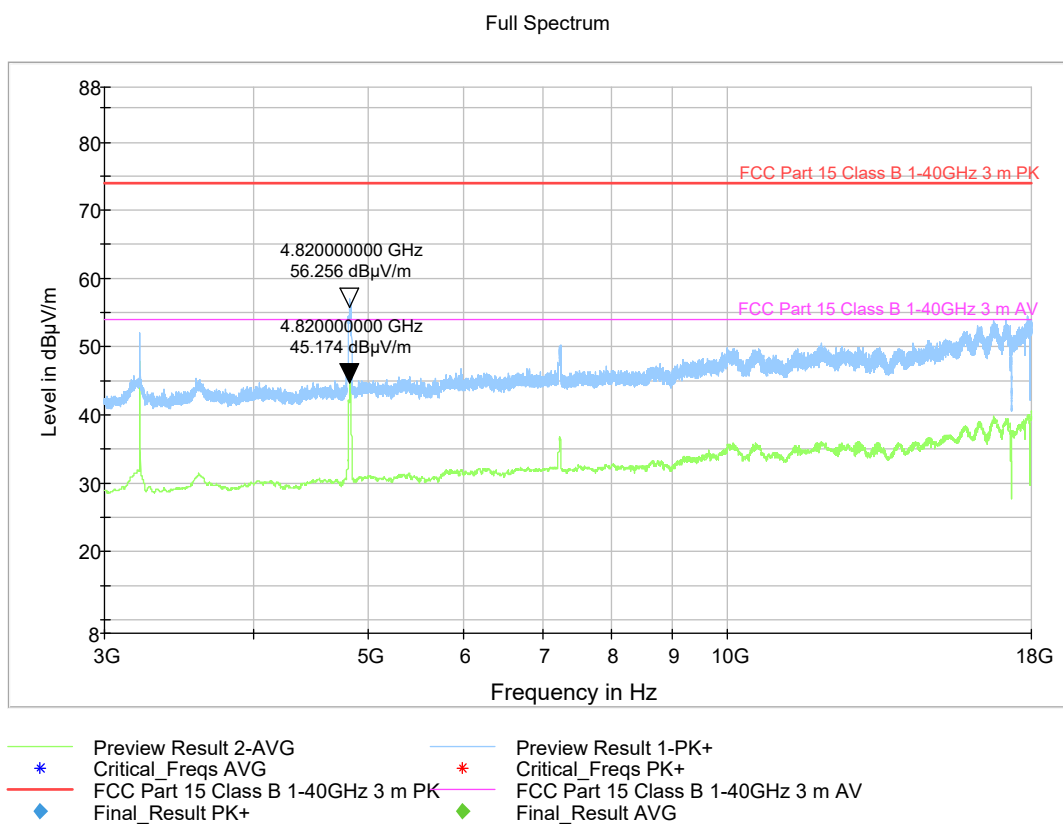
Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2411.750000	105.26	---	-14.28	3.57	94.55
2409.750000	---	93.77	-14.28	3.57	83.06

Peaks out of limits are due to Wi-Fi carrier (exclusion band).

Fundamental frequency not related to limit.

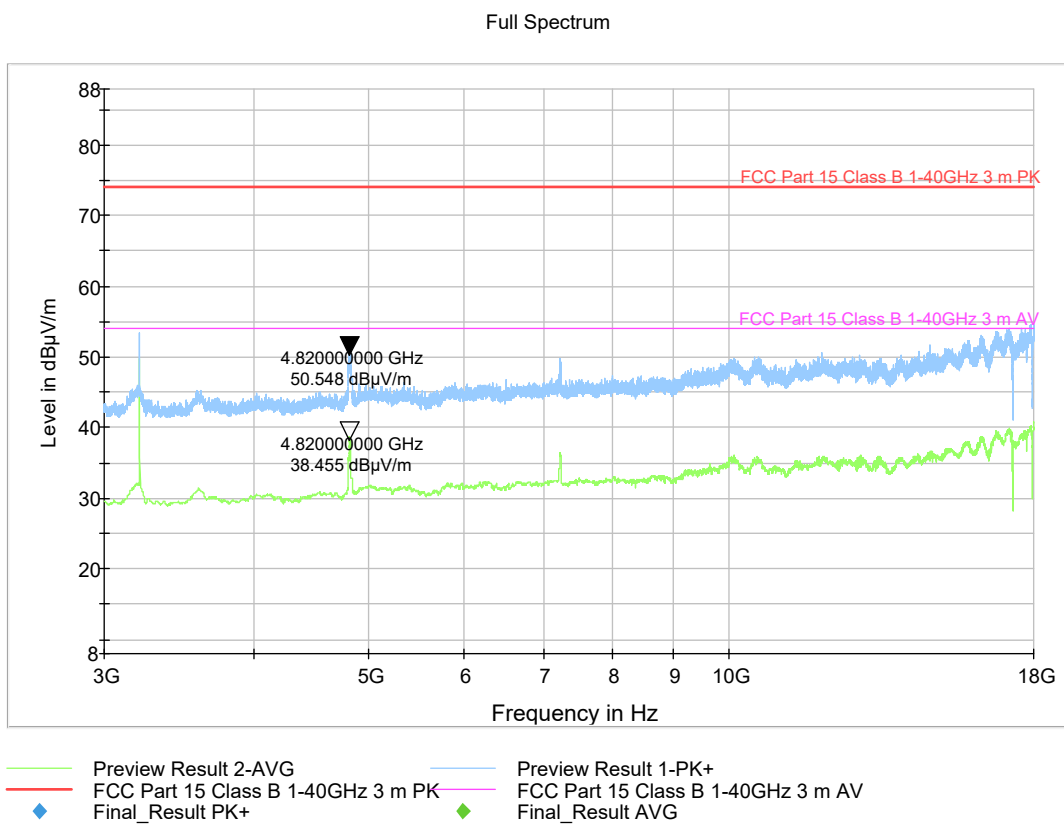
Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 3GHz -18GHz
Data rate: 11g, 18M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4820.000000	56.25	---	74.00	17.75	1000.0	1000.000	140.0	V	90.0
4822.750000	---	45.17	54.00	8.83	1000.0	1000.000	140.0	V	90.0

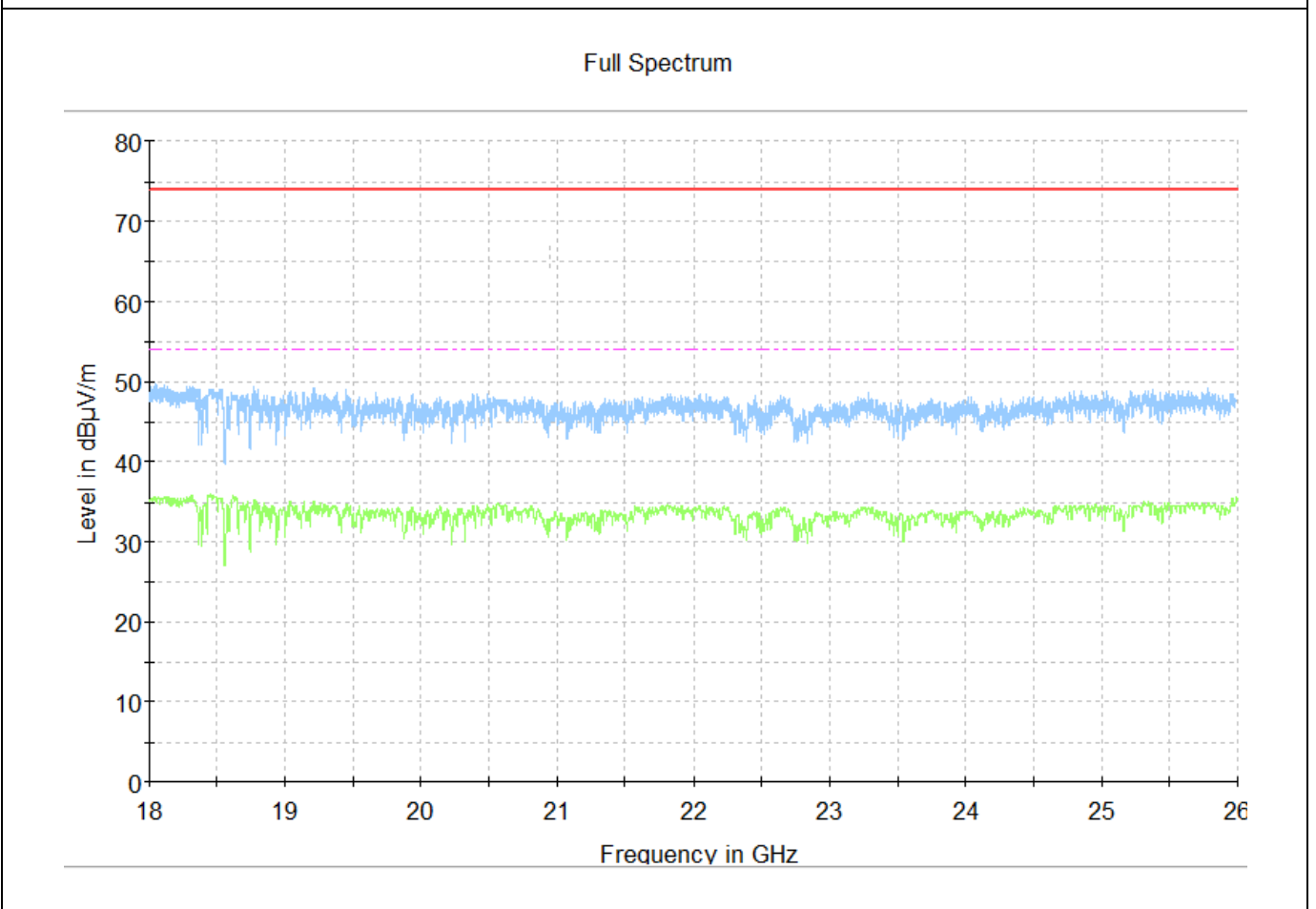
Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 3GHz -18GHz
Data rate: 11g, 18M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4820.000000	50.55	---	74.00	23.45	1000.0	1000.000	170.0	V	90.0
4820.000000	---	38.45	54.00	15.55	1000.0	1000.000	170.0	V	90.0

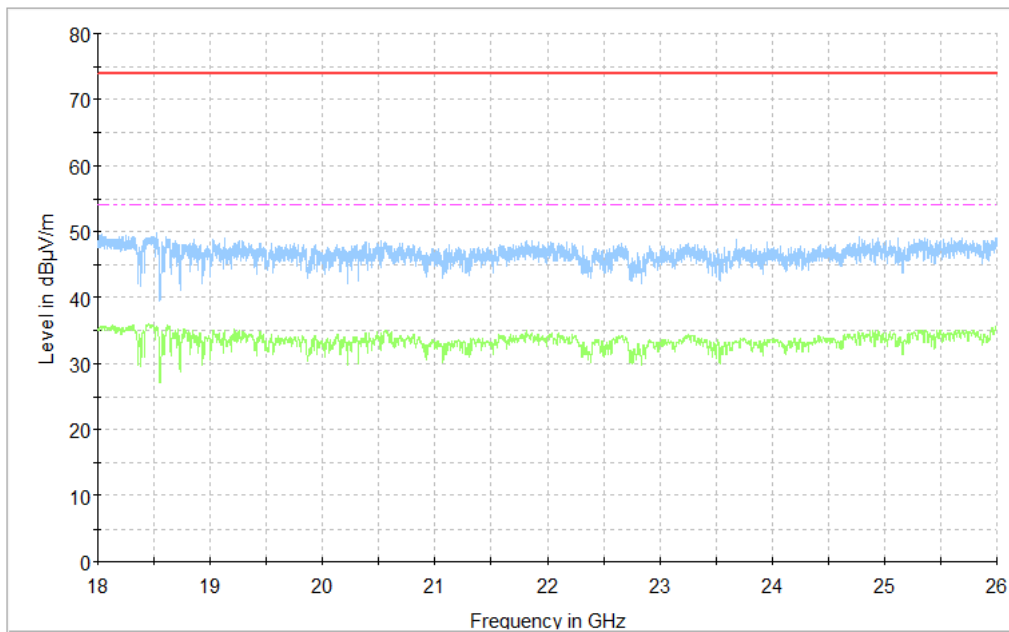
Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: 11g, 18M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m





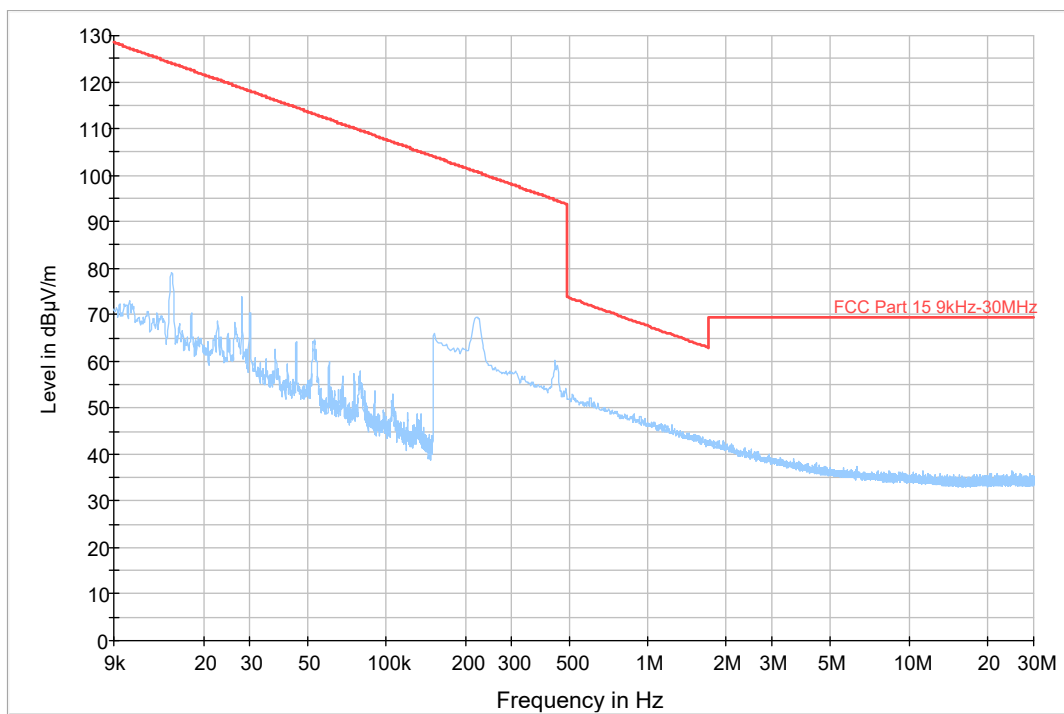
Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: 11g, 18M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 9KHz – 30MHz
Data rate: HT20, MCS1 (worst case)
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

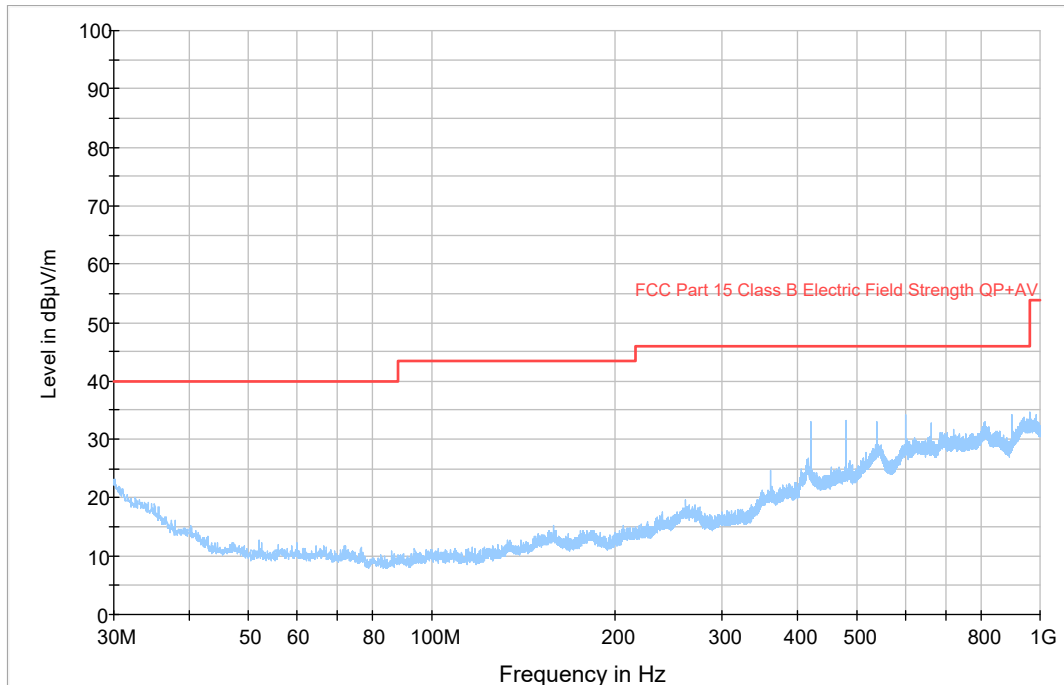
Full Spectrum





Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum

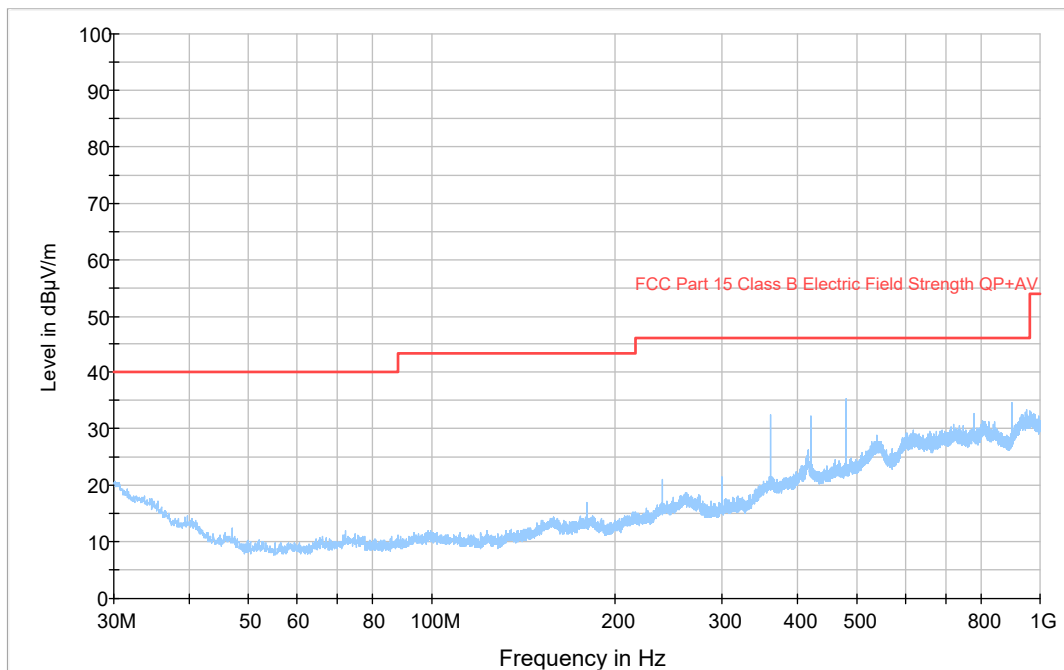


Preview Result 1-PK+
Final_Result QPK

FCC Part 15 Class B Electric Field Strength QP
Final_Result AVG

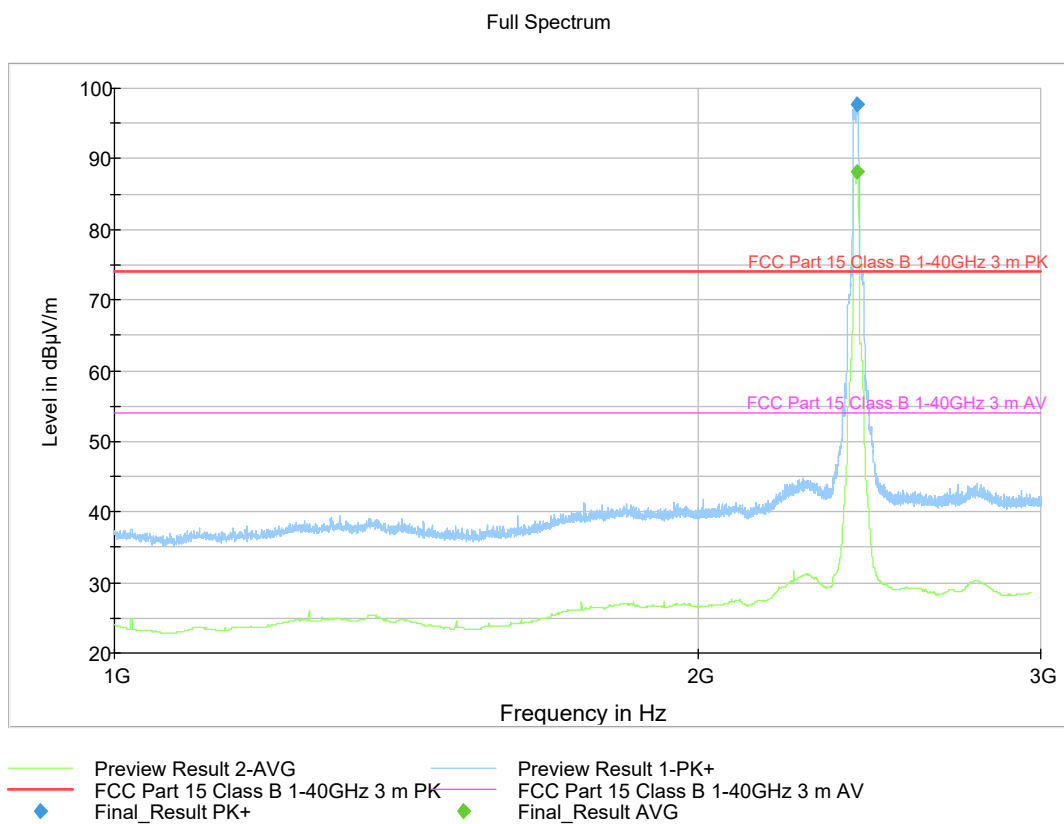
Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



- | | |
|--|--|
|  Preview Result 1-PK+ |  Critical_Freqs AVG |
|  Critical_Freqs PK+ |  FCC Part 15 Class B Electric Field Strength QP |
|  Final_Result QPK |  Final_Result AVG |

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



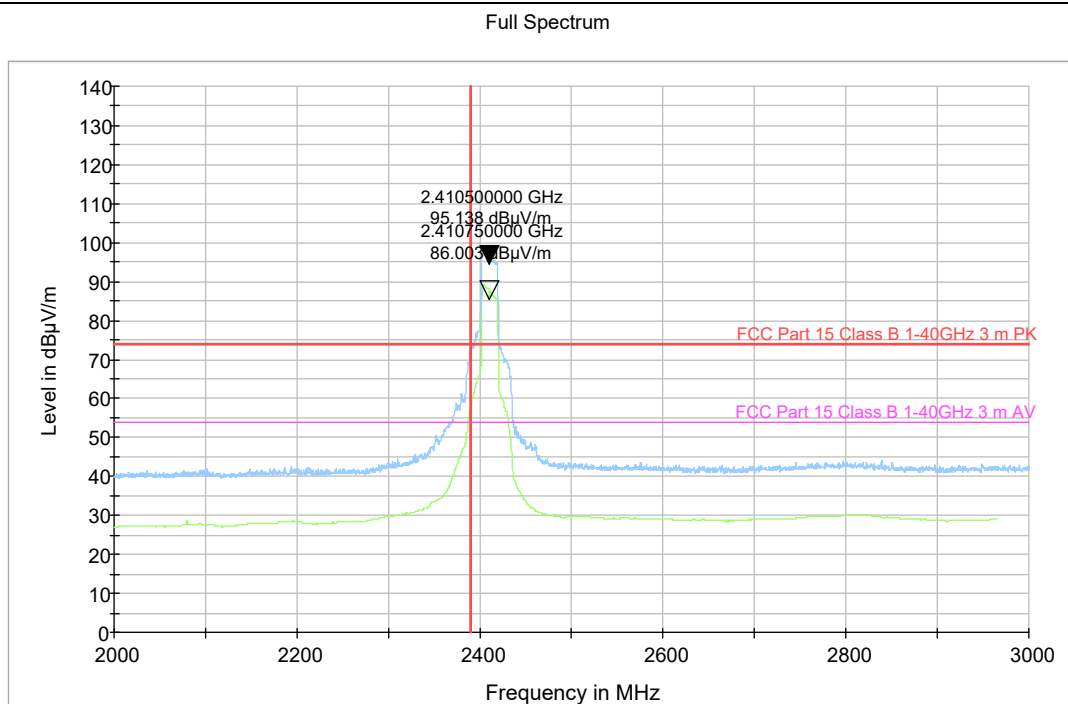
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2415.250000	---	88.23	---	---	1000.0	1000.000	230.0	V	0.0
2415.250000	97.62	---	---	---	1000.0	1000.000	230.0	V	0.0

*Peaks out of limits are due to Wi-Fi carrier (exclusion band).
 Fundamental frequency not related to limit.*



Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m



- Preview Result 2-AVG
- FCC Part 15 2390MHz
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result AVG
- Preview Result 1-PK+
- FCC Part 15 Class B 1-40GHz 3 m PK
- Final_Result PK+

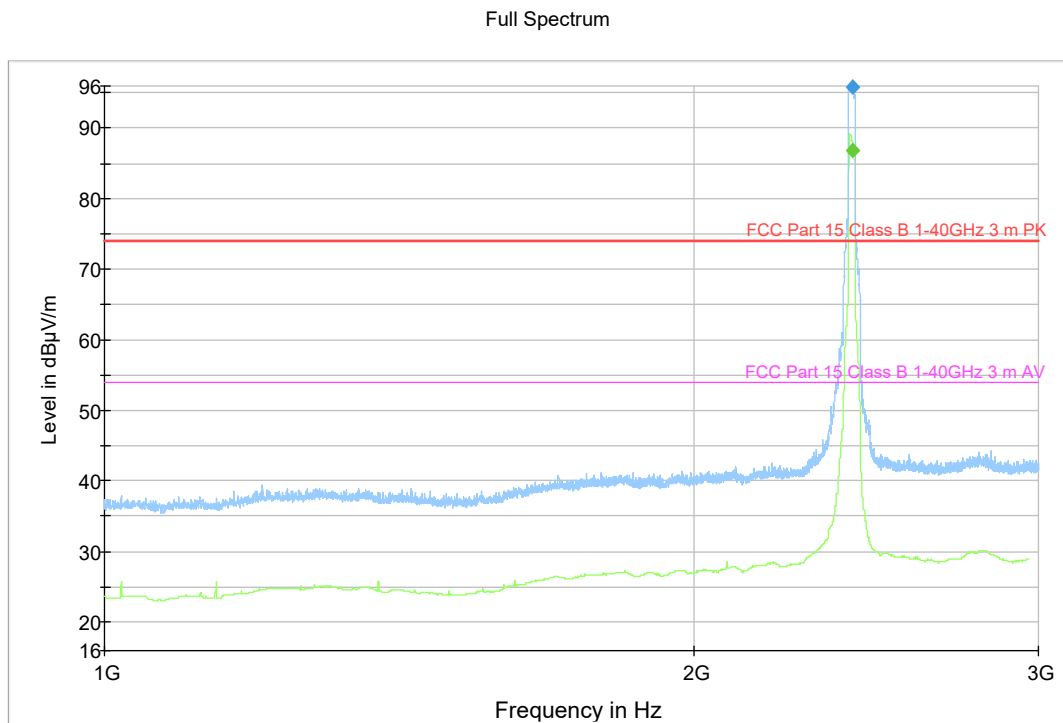
Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2410.50000	105.85	---	-14.28	3.57	95.14
2410.75000	---	93.77	-14.28	3.57	83.06

Peaks out of limits are due to Wi-Fi carrier (exclusion band).

Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

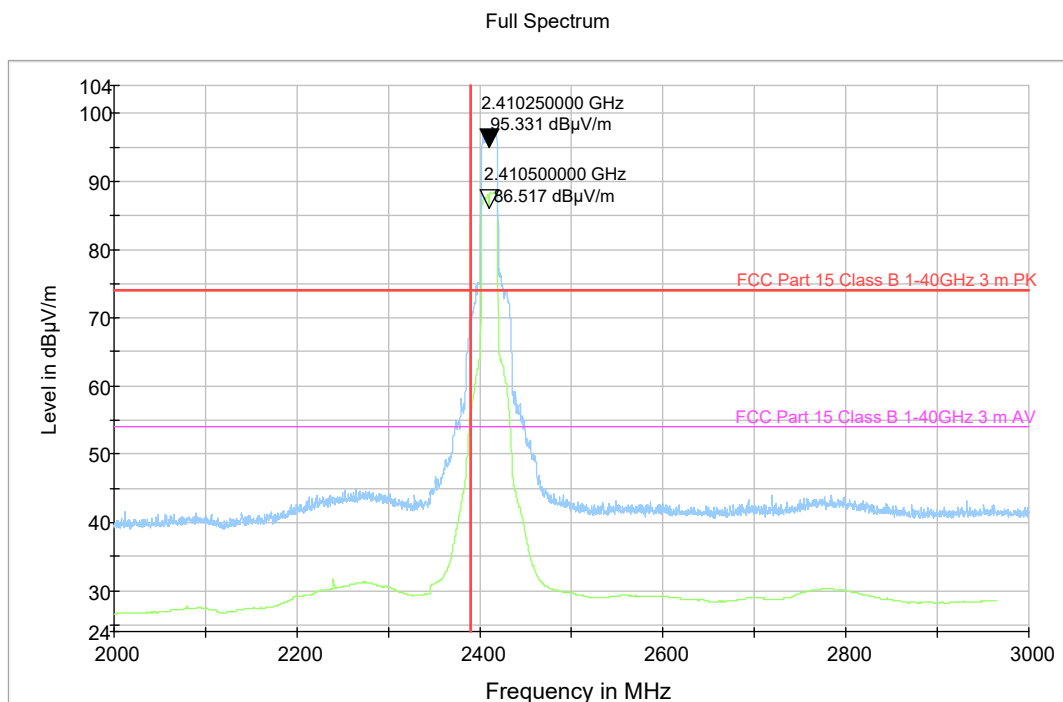
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2412.000000	---	86.76	---	---	1000.0	1000.000	230.0	H	0.0
2412.000000	95.73	---	---	---	1000.0	1000.000	230.0	H	0.0

*Peaks out of limits are due to Wi-Fi carrier (exclusion band).
 Fundamental frequency not related to limit.*



Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2390MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

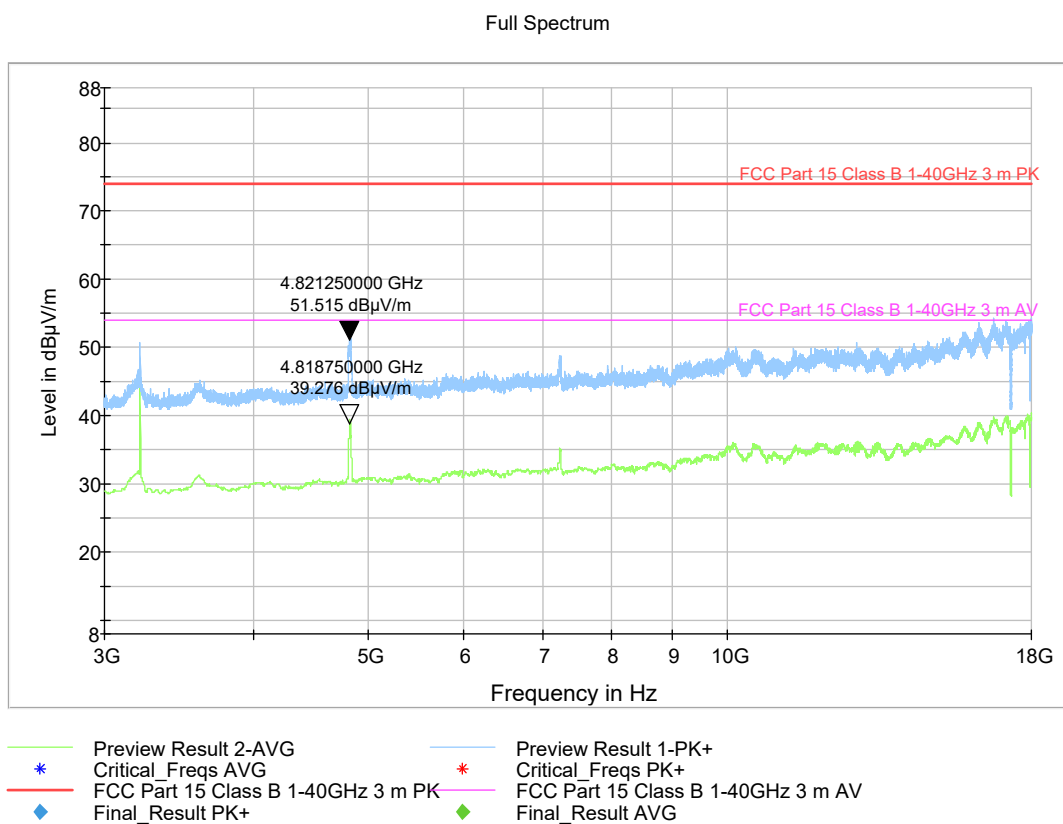
Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2410.250000	106.04	---	-14.28	3.57	95.33
2410.500000	---	97.23	-14.28	3.57	86.52

Peaks out of limits are due to Wi-Fi carrier (exclusion band).

Fundamental frequency not related to limit.

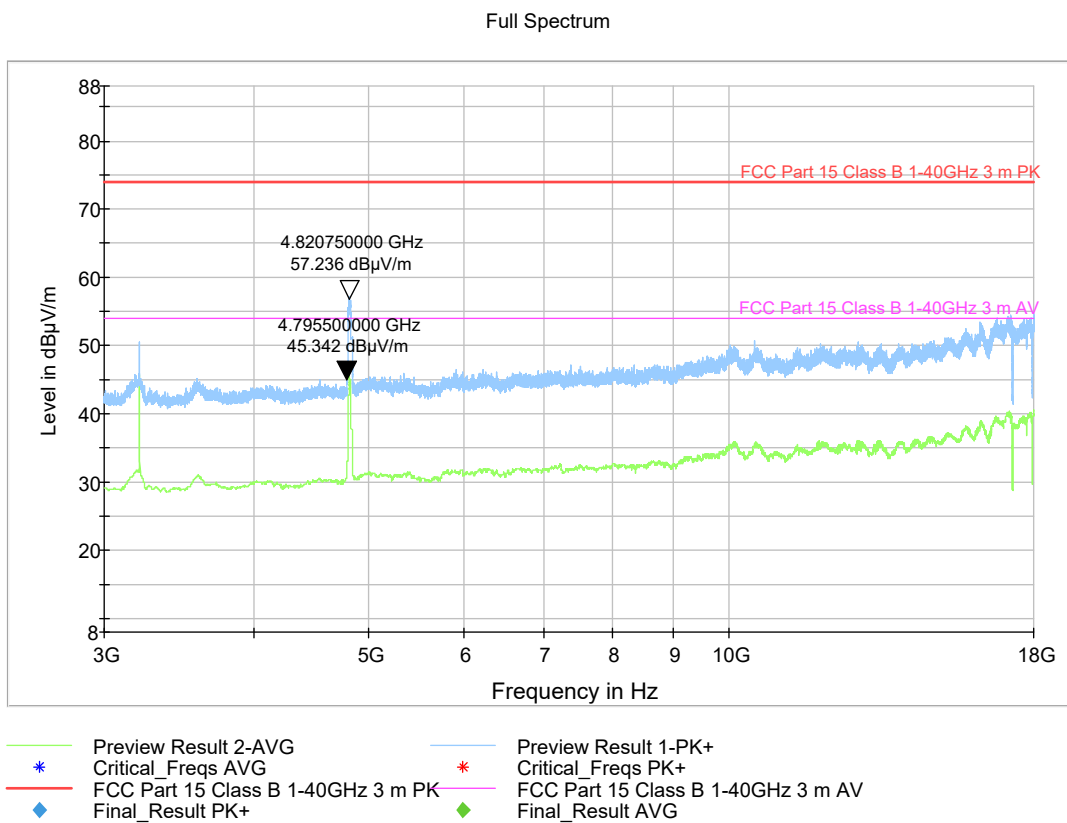
Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 3GHz -18GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4821.250000	51.51	---	74.00	22.49	1000.0	1000.000	100.0	V	90.0
4818.750000	---	39.27	54.00	14.73	1000.0	1000.000	100.0	V	90.0

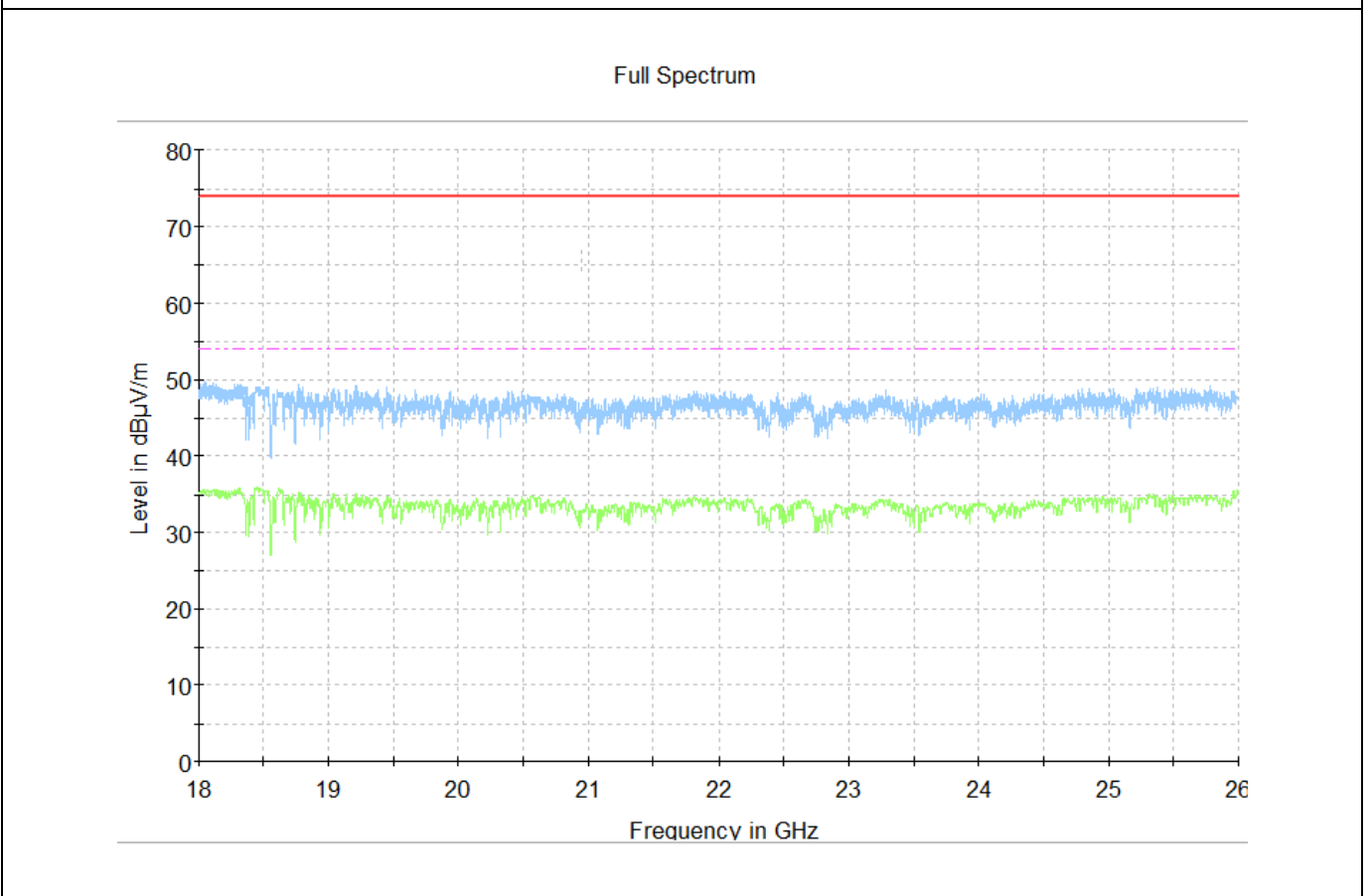
Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 3GHz -18GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



Final Result

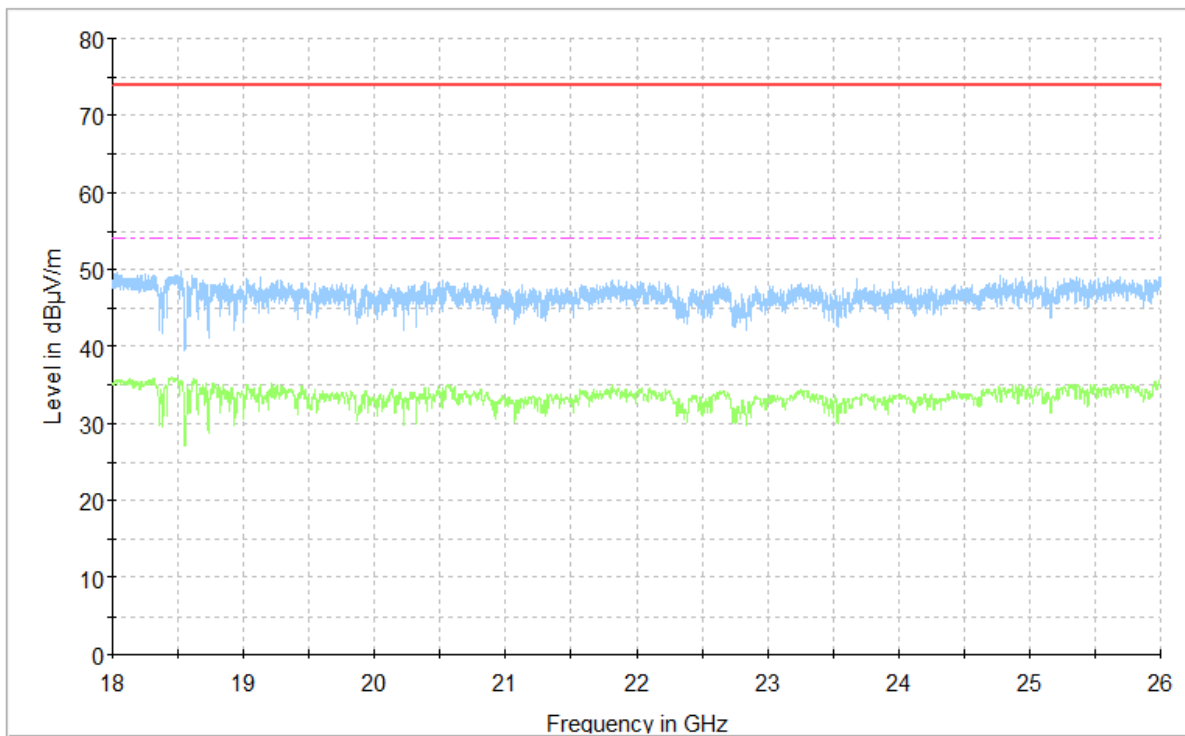
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4820.750000	57.23	---	74.00	16.77	1000.0	1000.000	100.0	H	90.0
4795.500000	---	45.34	54.00	8.66	1000.0	1000.000	100.0	H	90.0

Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



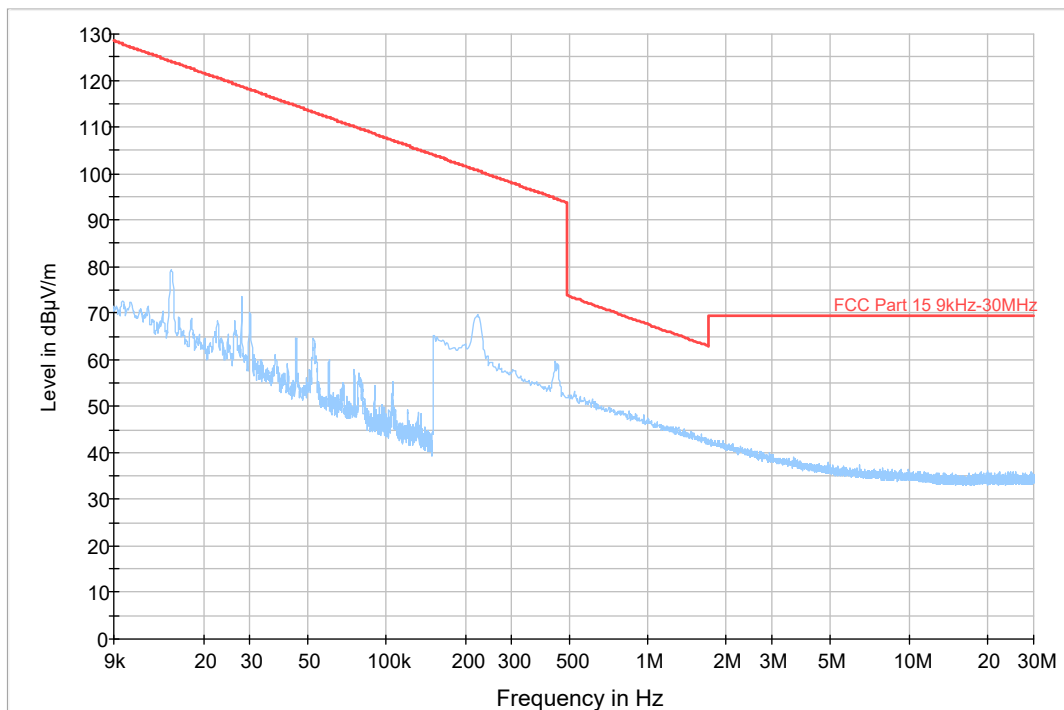
Graphical presentation of radiated emission
Operating mode: 1 (Channel 1 – Frequency 2412 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



Graphical presentation of radiated emission
Operating mode: 2 (Channel 3 – Frequency 2422 MHz)
Frequency scan: 9KHz – 30MHz
Data rate: HT40, MCS1 (worst case)
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

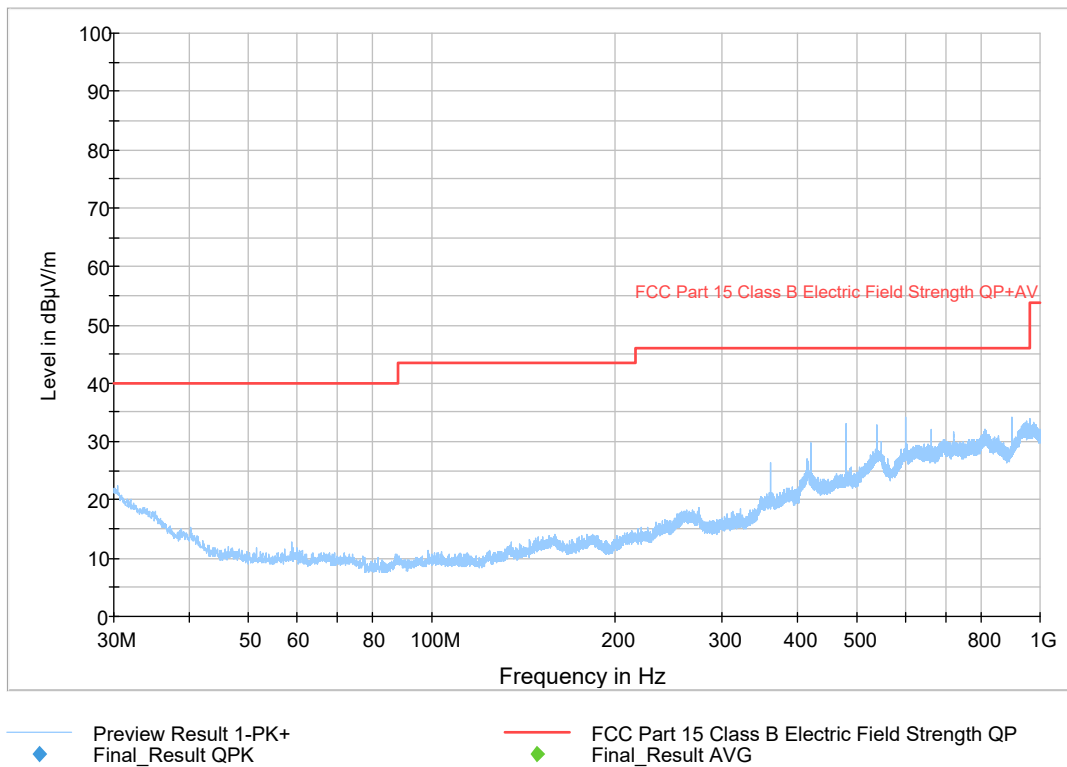
Full Spectrum



— Preview Result 1-PK+
 — FCC Part 15 9kHz-30MHz
 ◆ Final_Result QPK
 ◆ Final_Result A

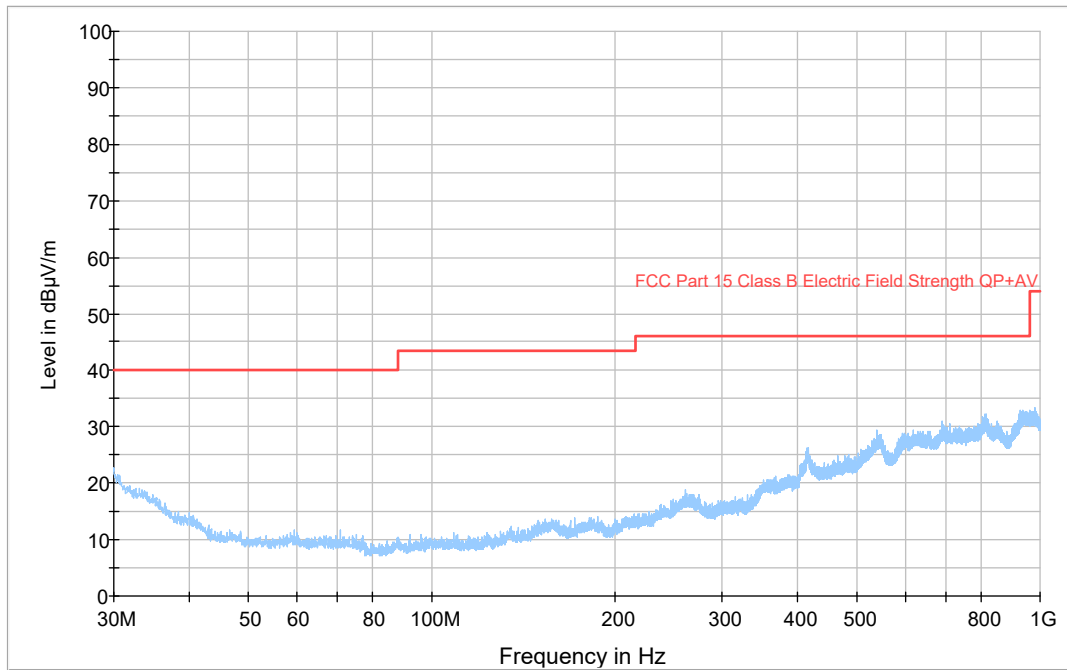
Graphical presentation of radiated emission
Operating mode: 2 (Channel 3 – Frequency 2422 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m



Full Spectrum



Graphical presentation of radiated emission
Operating mode: 2 (Channel 3 – Frequency 2422 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

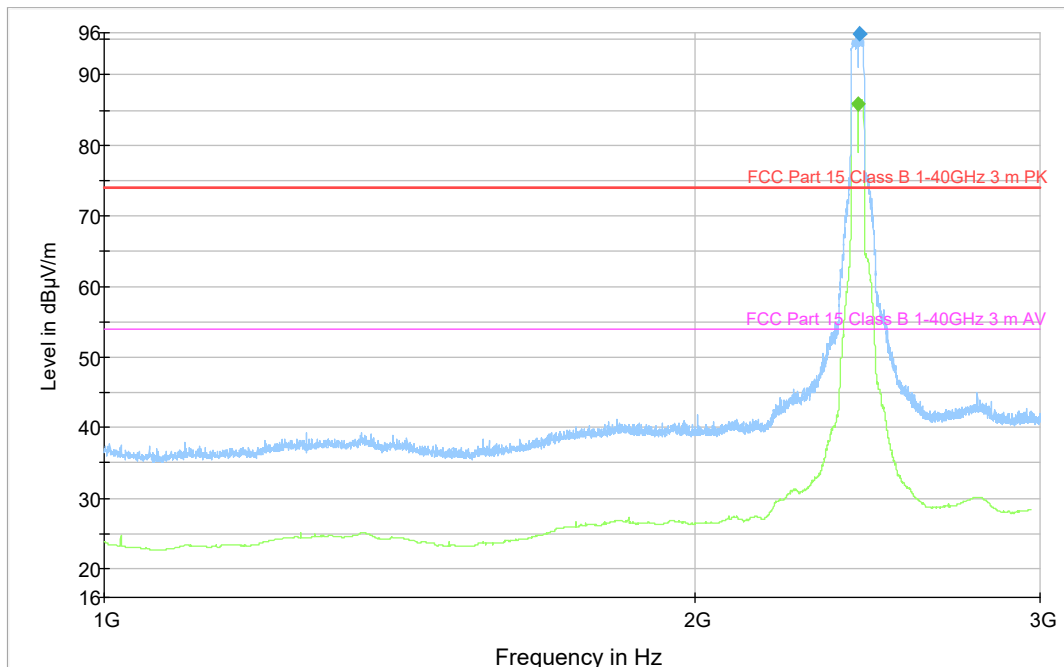
Full Spectrum



- | | |
|--|--|
|  Preview Result 1-PK+ |  Critical_Freqs AVG |
|  Critical_Freqs PK+ |  FCC Part 15 Class B Electric Field Strength QP |
|  Final_Result QPK |  Final_Result AVG |

Graphical presentation of radiated emission
Operating mode: 2 (Channel 3 – Frequency 2422 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

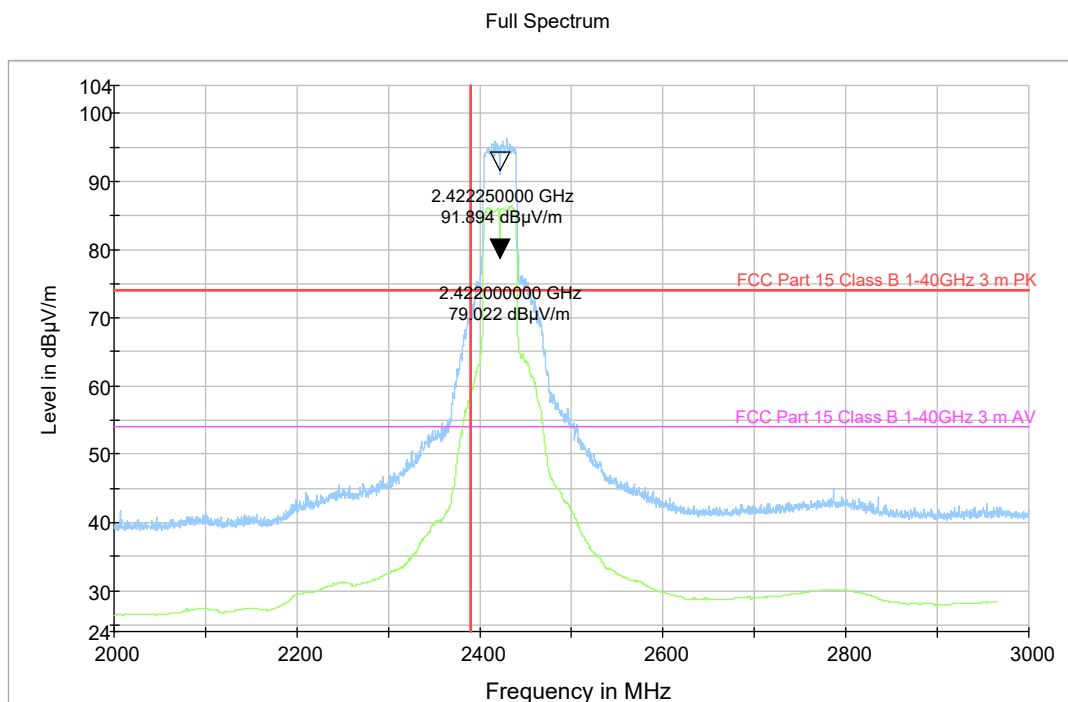
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2423.500000	---	85.96	---	---	1000.0	1000.000	110.0	V	0.0
2425.000000	95.77	---	---	---	1000.0	1000.000	110.0	V	0.0

Peaks out of limits are due to Wi-Fi carrier (exclusion band).
 Fundamental frequency not related to limit.



Graphical presentation of radiated emission
Operating mode: 2 (Channel 3 – Frequency 2422 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2390MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result PK+
- ◆ Final_Result AVG

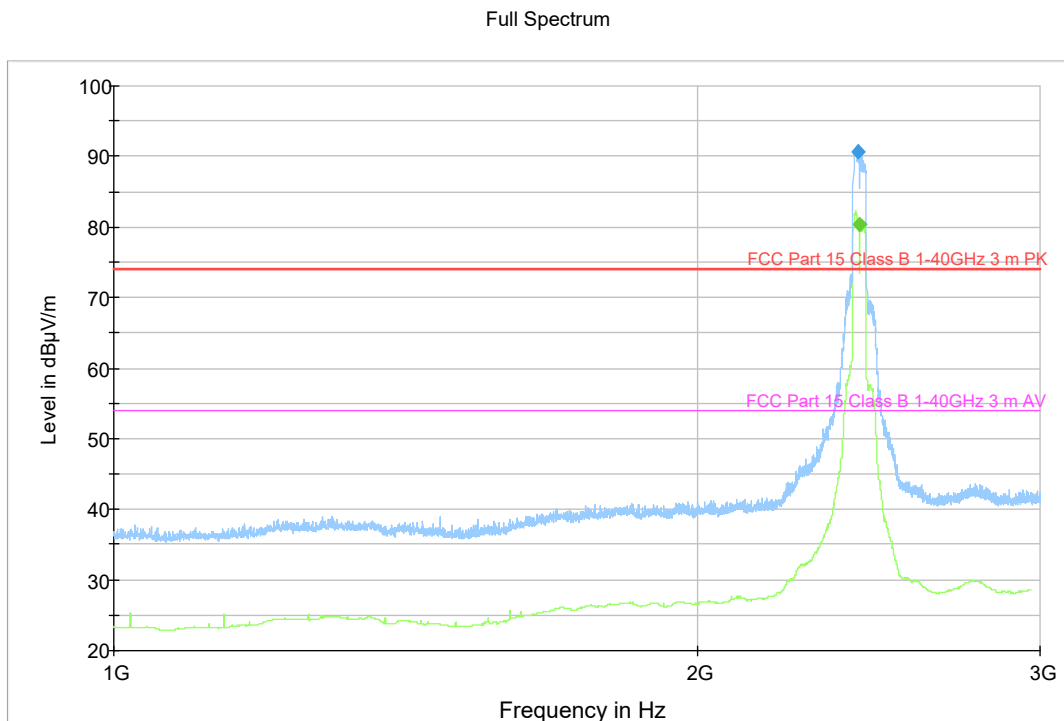
Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2422.250000	101.66	---	-13.37	3.61	91.90
2422.000000	---	88.78	-13.37	3.61	79.02

*Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.*



Graphical presentation of radiated emission
Operating mode: 2 (Channel 3 – Frequency 2422 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result PK+
- Final_Result AVG

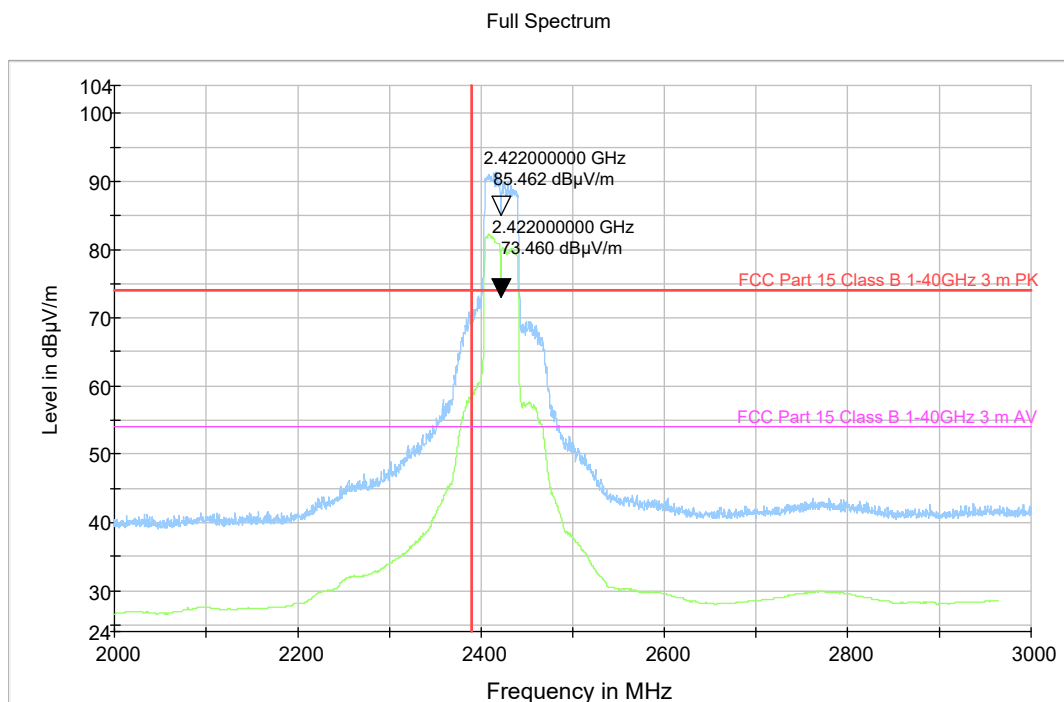
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2418.250000	90.63	---	74.00	---	1000.0	1000.000	110.0	H	180.0
2423.250000	---	80.31	54.00	---	1000.0	1000.000	110.0	H	180.0

*Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.*



Graphical presentation of radiated emission
Operating mode: 2 (Channel 3 – Frequency 2422 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2390MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

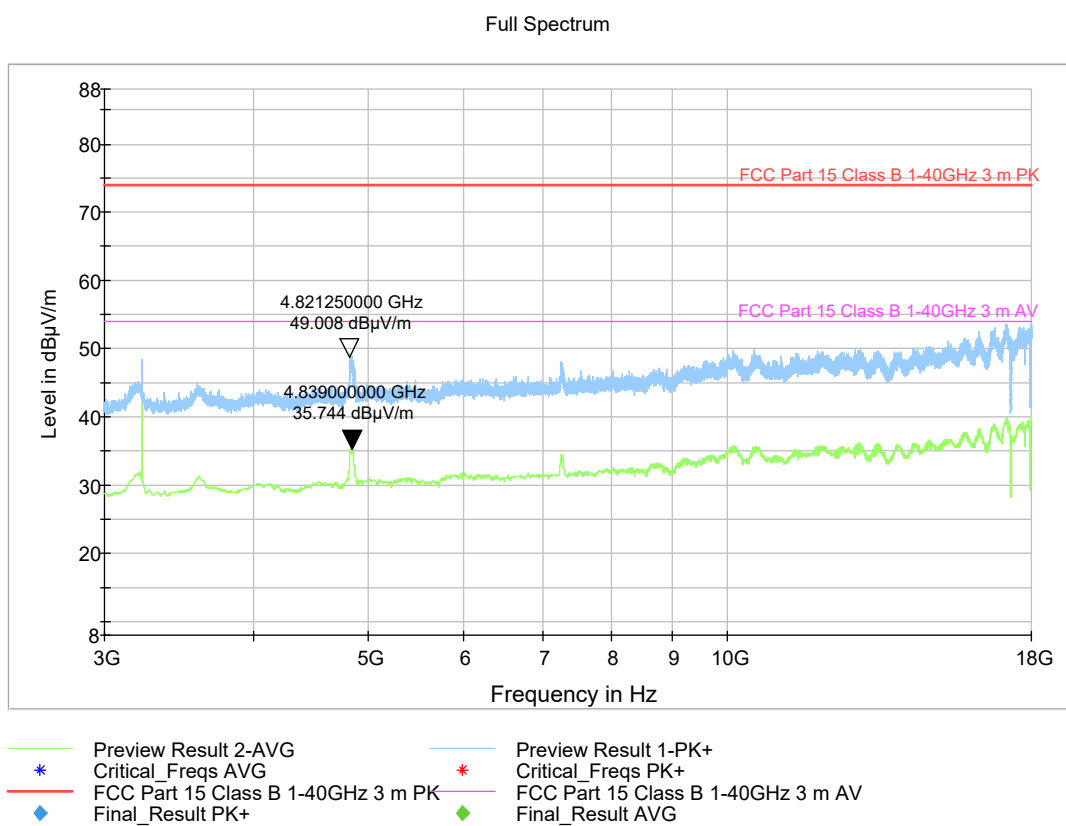
Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2422.000000	95.22	---	-13.37	3.61	85.46
2422.000000	---	83.22	-13.37	3.61	73.46

Peaks out of limits are due to Wi-Fi carrier (exclusion band).

Fundamental frequency not related to limit.

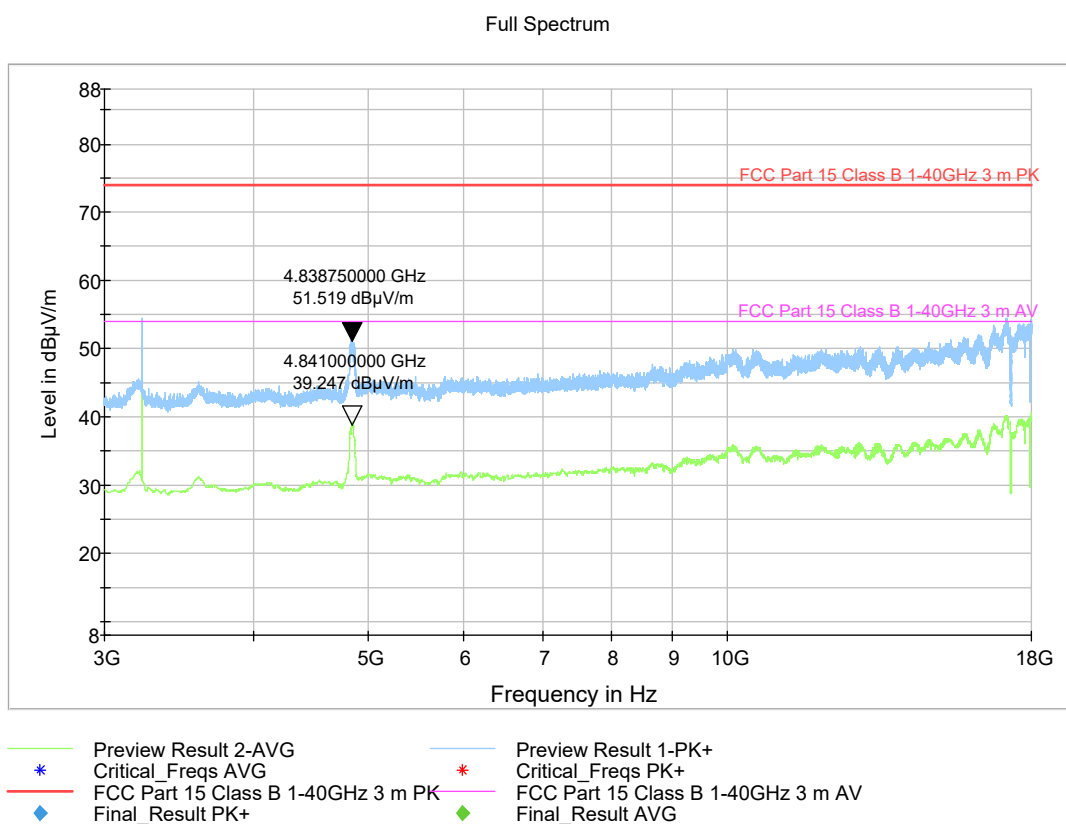
Graphical presentation of radiated emission
Operating mode: 2 (Channel 3 – Frequency 2422 MHz)
Frequency scan: 3GHz -18GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4821.250000	49.00	---	74.00	25.00	1000.0	1000.000	160.0	V	90.0
4839.000000	---	35.74	54.00	18.26	1000.0	1000.000	160.0	V	90.0

Graphical presentation of radiated emission
Operating mode: 2 (Channel 3 – Frequency 2422 MHz)
Frequency scan: 3GHz -18GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

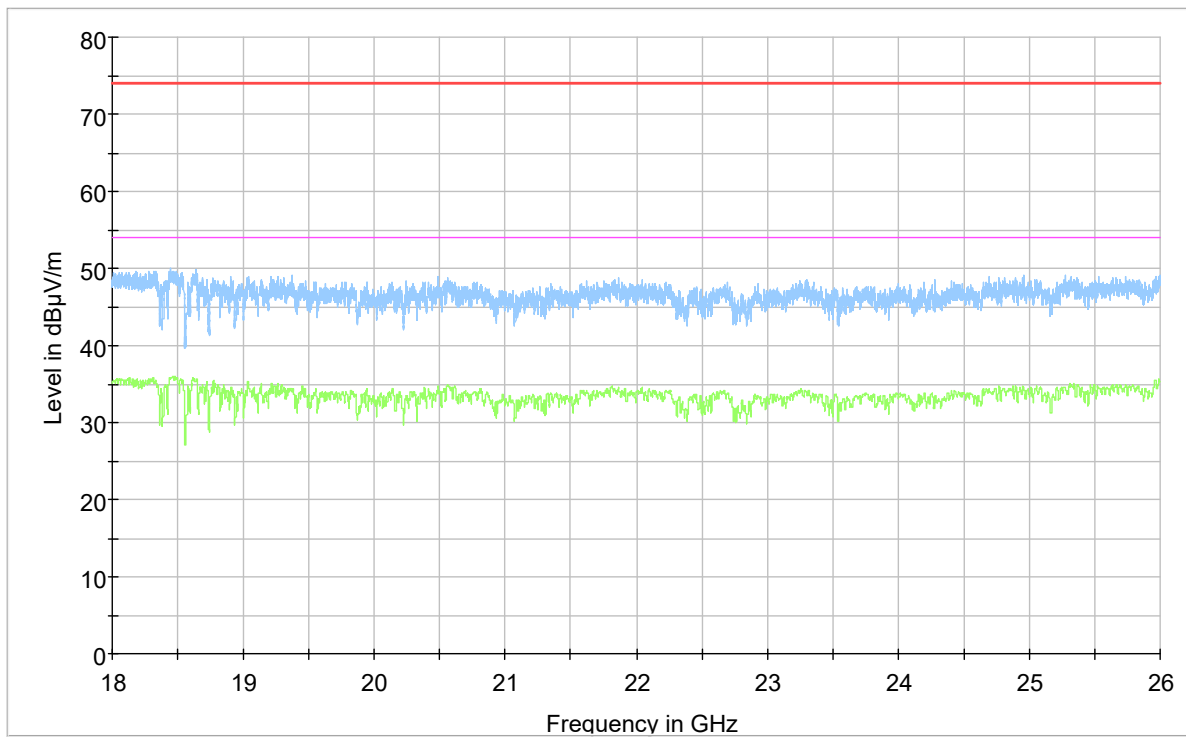


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4838.750000	51.52	---	74.00	22.48	1000.0	1000.000	160.0	V	180.0
4841.000000	---	39.25	54.00	14.75	1000.0	1000.000	160.0	V	180.0

Graphical presentation of radiated emission
Operating mode: 2 (Channel 3 – Frequency 2422 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum





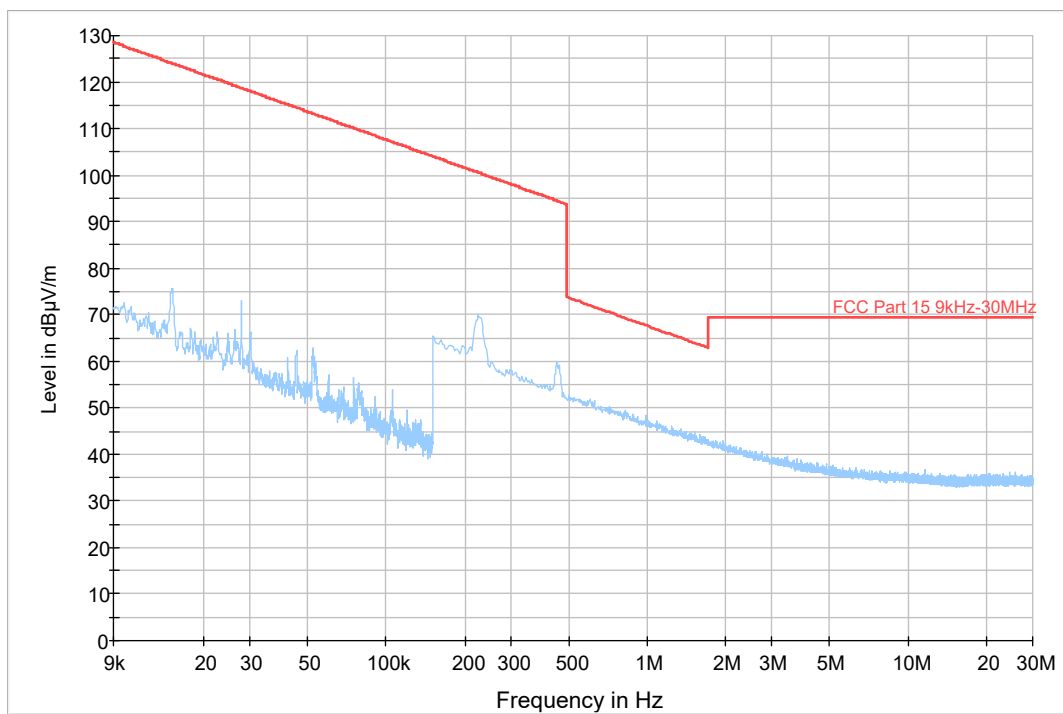
Graphical presentation of radiated emission
Operating mode: 2 (Channel 3 – Frequency 2422 MHz)
Frequency scan: 18GHz – 26GHz
Antenna polarization: Horizontal
Data rate: HT40, MCS1 (worst case)
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 9KHz – 30MHz
Data rate: 11b 1M (worst case)
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

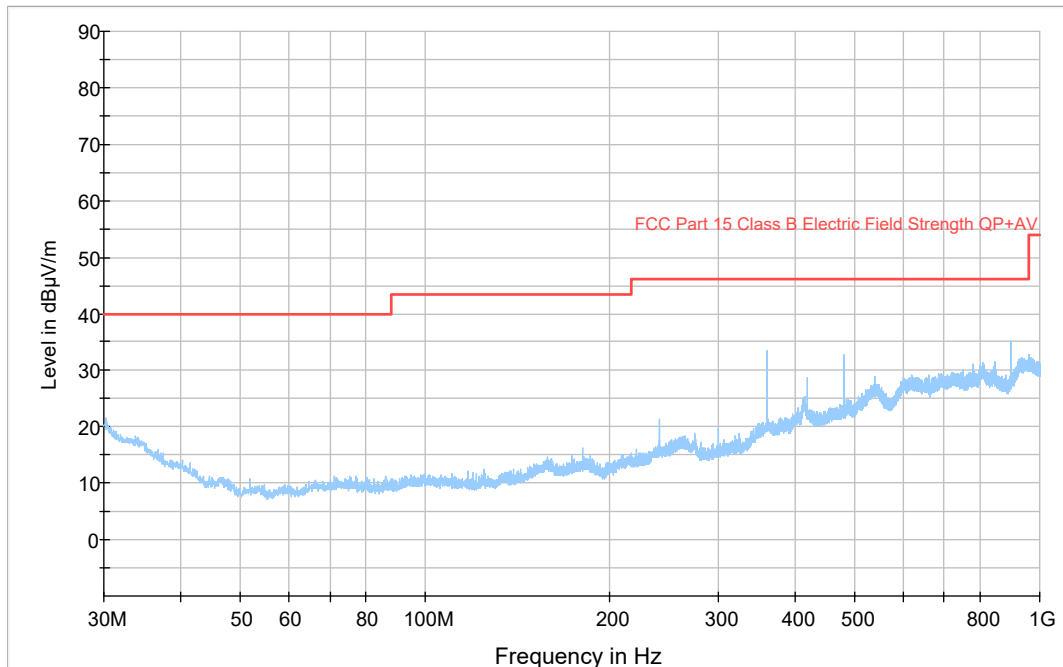
Full Spectrum



— Preview Result 1-PK+
 — FCC Part 15 9kHz-30MHz
 ◆ Final_Result QPK
 ◆ Final_Result A

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

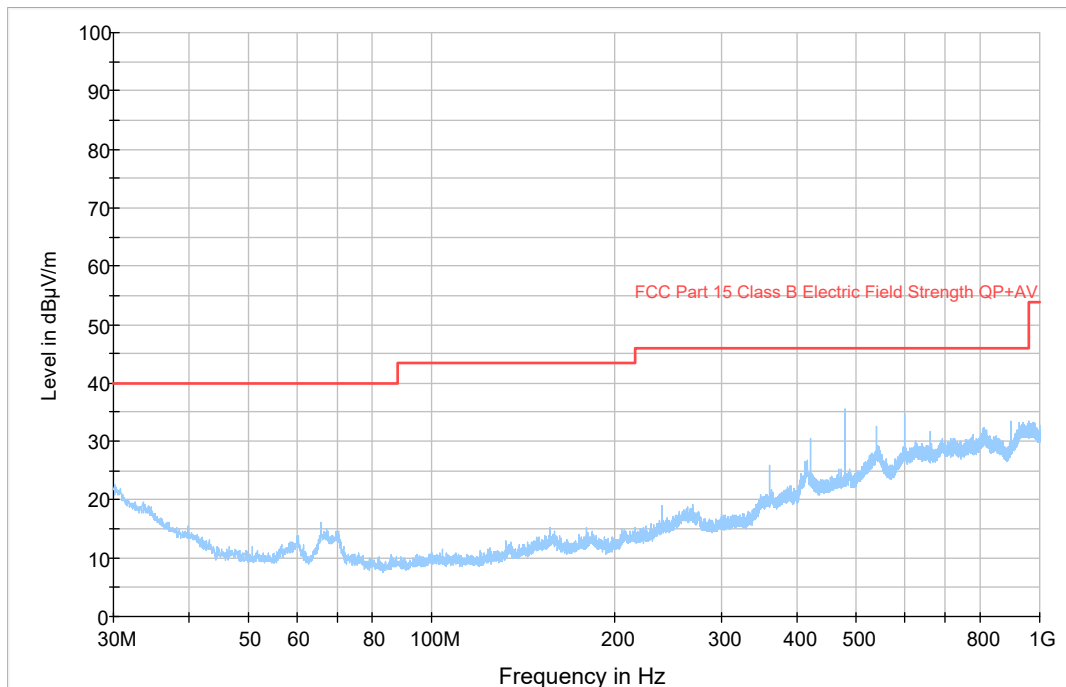
Full Spectrum



- | | |
|--|--|
|  Preview Result 1-PK+ |  Critical_Freqs AVG |
|  Critical_Freqs PK+ |  FCC Part 15 Class B Electric Field Strength QP |
|  Final_Result QPK |  Final_Result AVG |

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



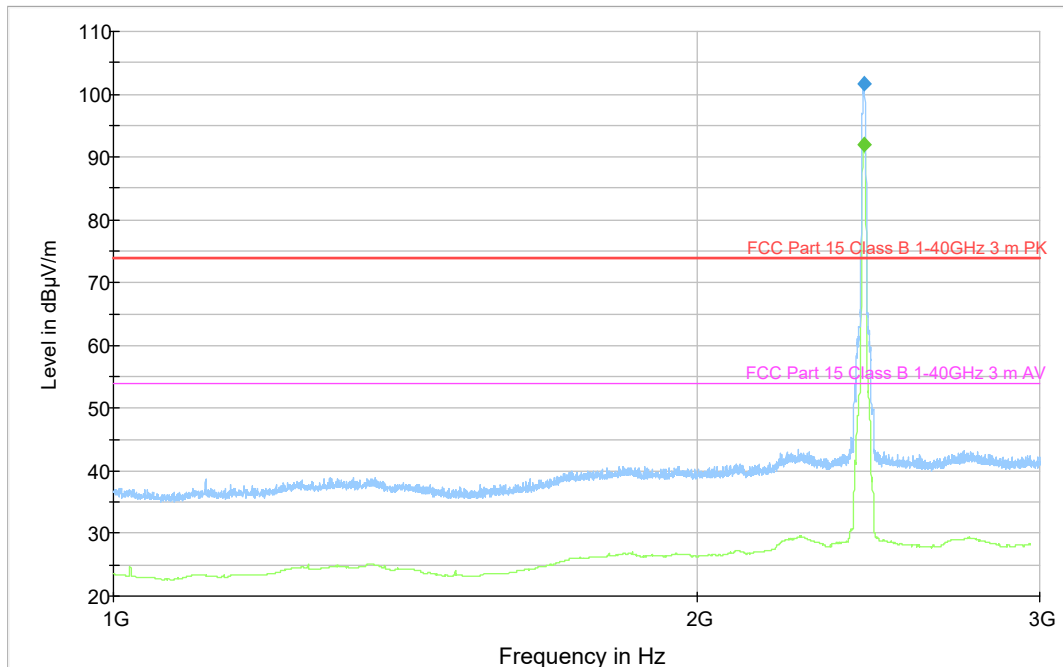
◆ Preview Result 1-PK+
Final_Result QPK

◆ FCC Part 15 Class B Electric Field Strength QP
Final_Result AVG



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



- Preview Result 2-AVG
- FCC Part 15 Class B 1-40GHz 3 m PK
- Preview Result 1-PK+
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2435.000000	---	92.01	---	---	1000.000	170.0	V	0.0
2436.250000	101.52	---	---	---	1000.000	170.0	V	0.0

*Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.*



Graphical presentation of radiated emission

Operating mode: 3 (Channel 6 – Frequency 2437 MHz)

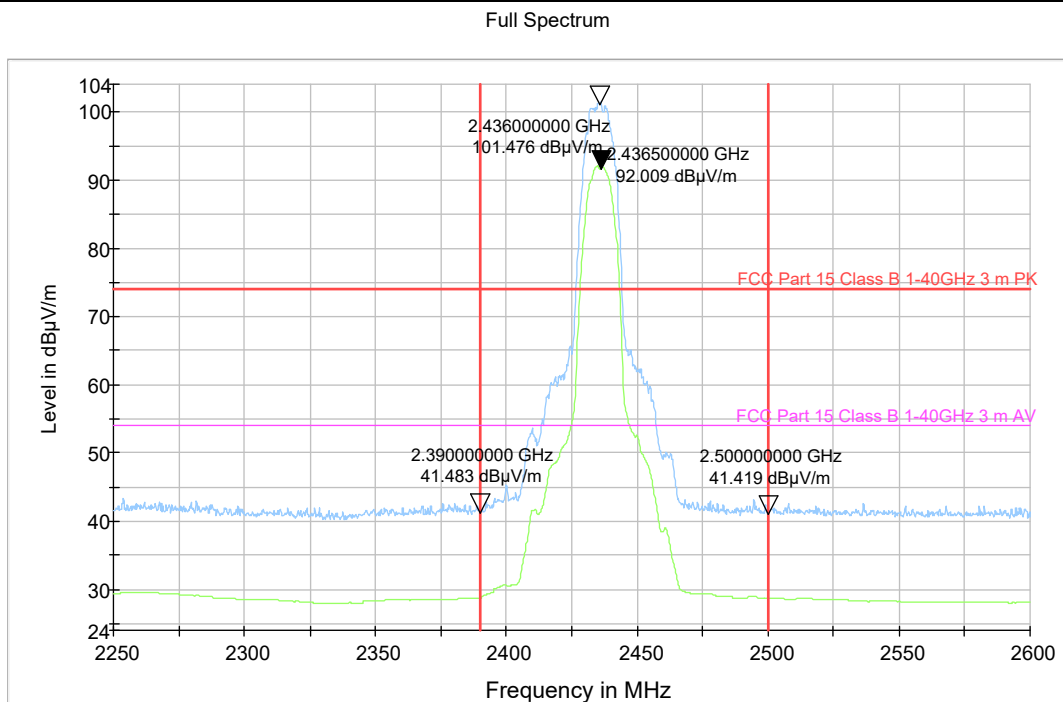
Frequency: Restricted band of operations near fundamental

Data rate: 11b 1M (worst case)

Antenna polarization: Vertical

Trace: Peak (blue trace); Average (green trace)

Measurement distance: 3m



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2390MHz
- FCC Part 18 2500MHz ISM Band
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result PK+
- Final_Result AVG

Fundamental Level

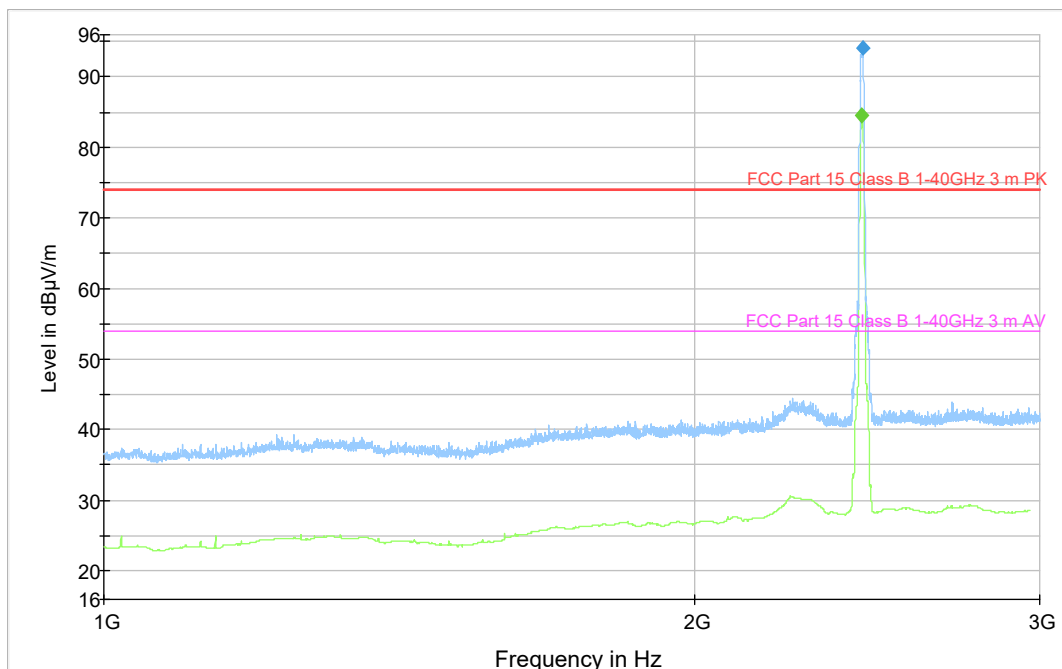
Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2436.000000	111.33	---	-13.24	3.38	101.47
2436.500000	---	101.86	-13.24	3.38	92.00

Peaks out of limits are due to Wi-Fi carrier (exclusion band).

Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

Final Result

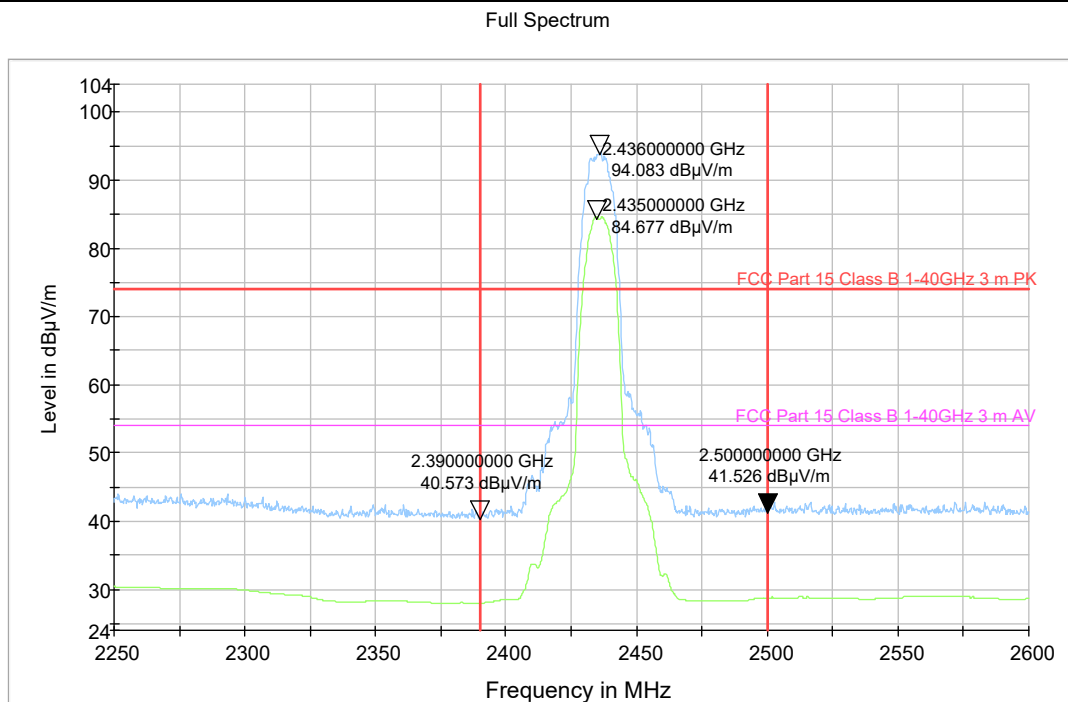
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	PoI	Azimuth (deg)
2435.000000	---	84.58	---	---	1000.0	1000.000	170.0	H	0.0
2436.250000	94.05	---	---	---	1000.0	1000.000	170.0	H	0.0

Peaks out of limits are due to Wi-Fi carrier (exclusion band).

Fundamental frequency not related to limit.



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: 11b 1M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2390MHz
- FCC Part 18 2500MHz ISM Band
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

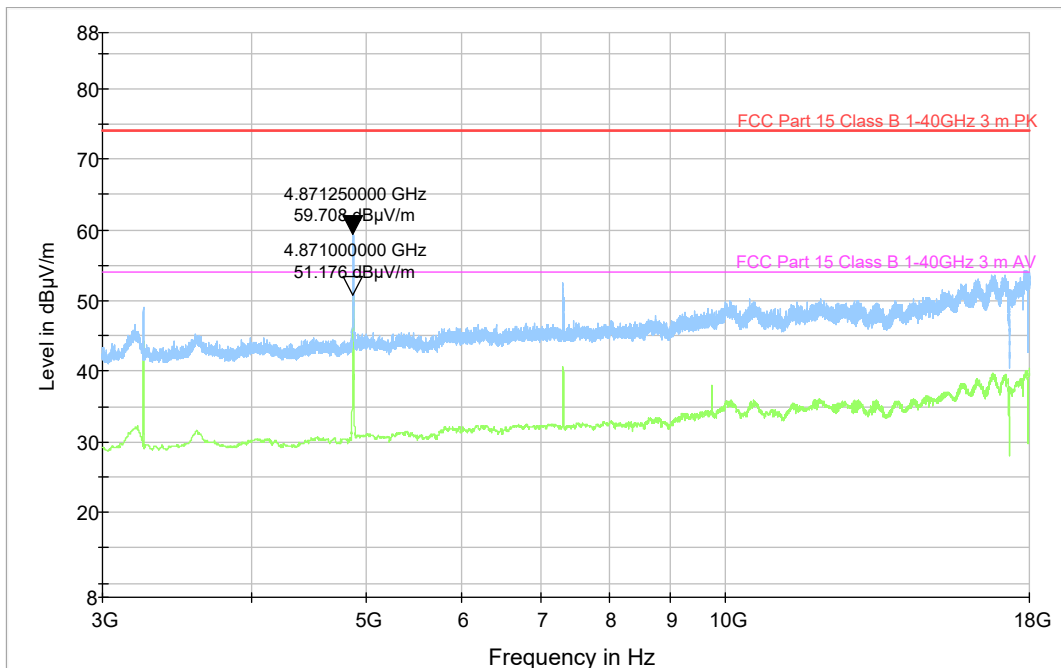
Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2436.000000	104.04	---	-13.24	3.38	94.08
2435.000000	---	94.53	-13.24	3.38	84.67

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 3GHz -18GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



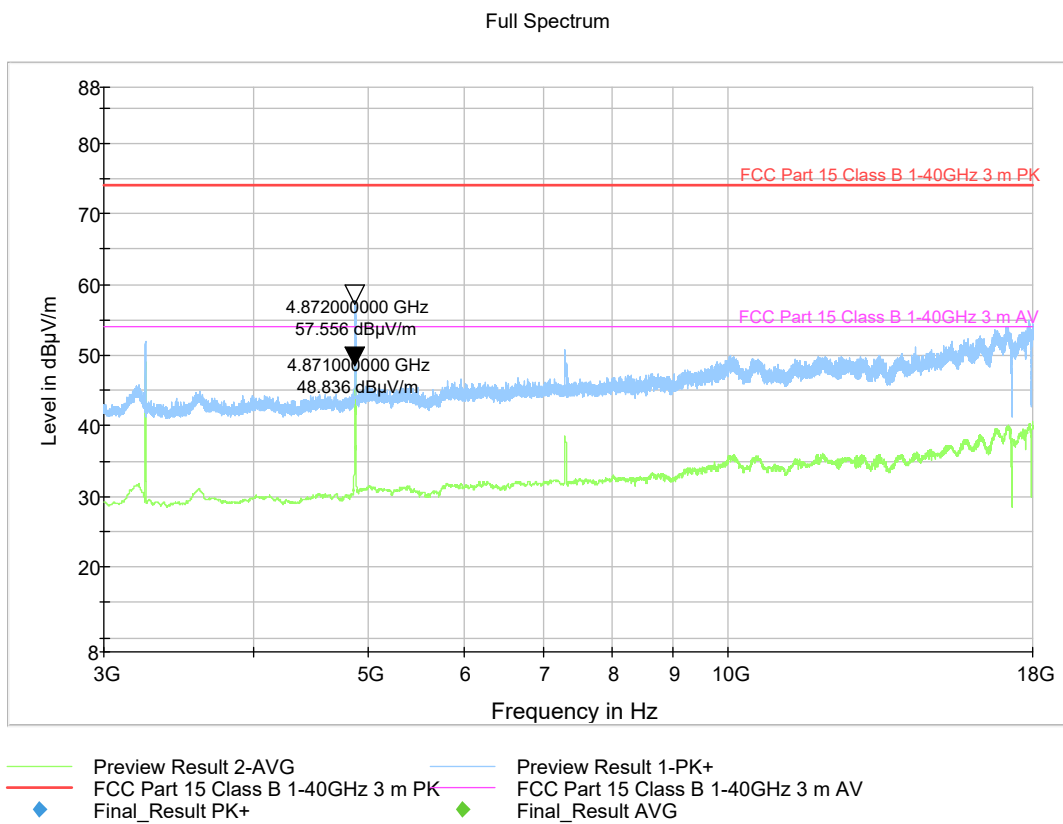
— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4871.250000	59.70	---	74.00	14.30	1000.0	1000.000	180.0	V	180.0
4871.000000	---	51.17	54.00	2.83	1000.0	1000.000	180.0	V	180.0



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 3GHz -18GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4872.000000	57.55	---	74.00	16.45	1000.0	1000.000	165.0	V	180.0
4871.000000	---	48.83	54.00	5.17	1000.0	1000.000	165.0	V	180.0

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

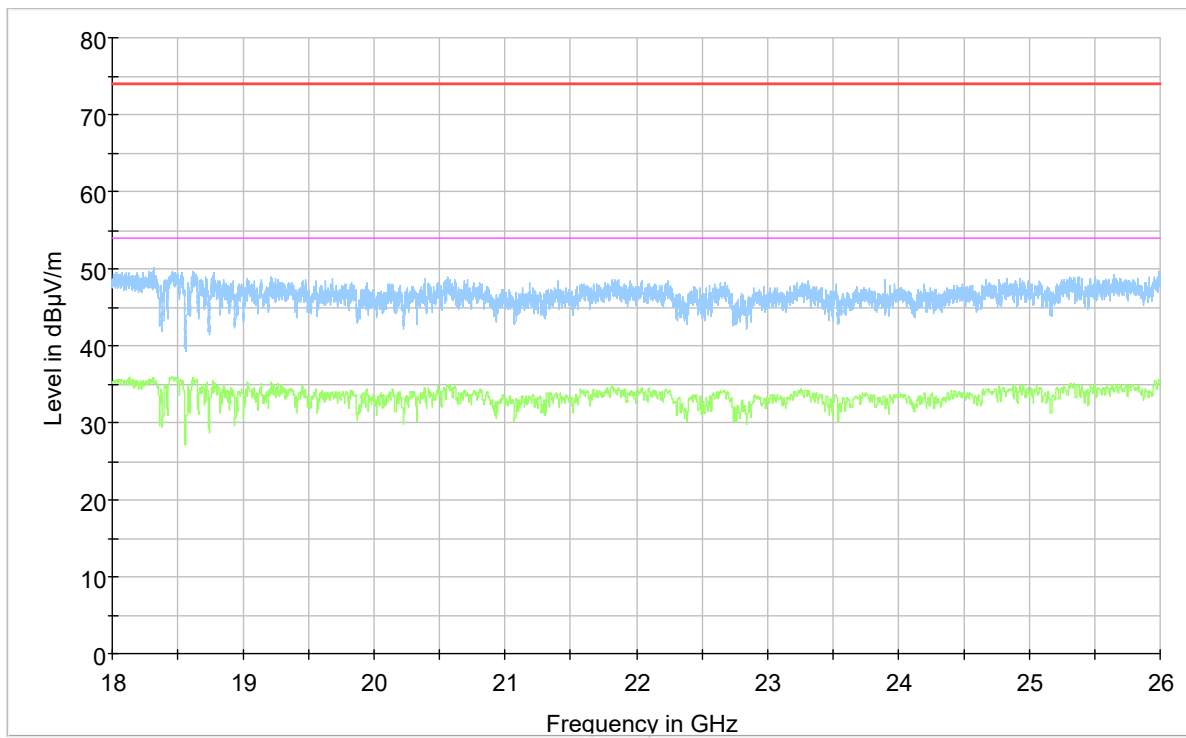
Full Spectrum



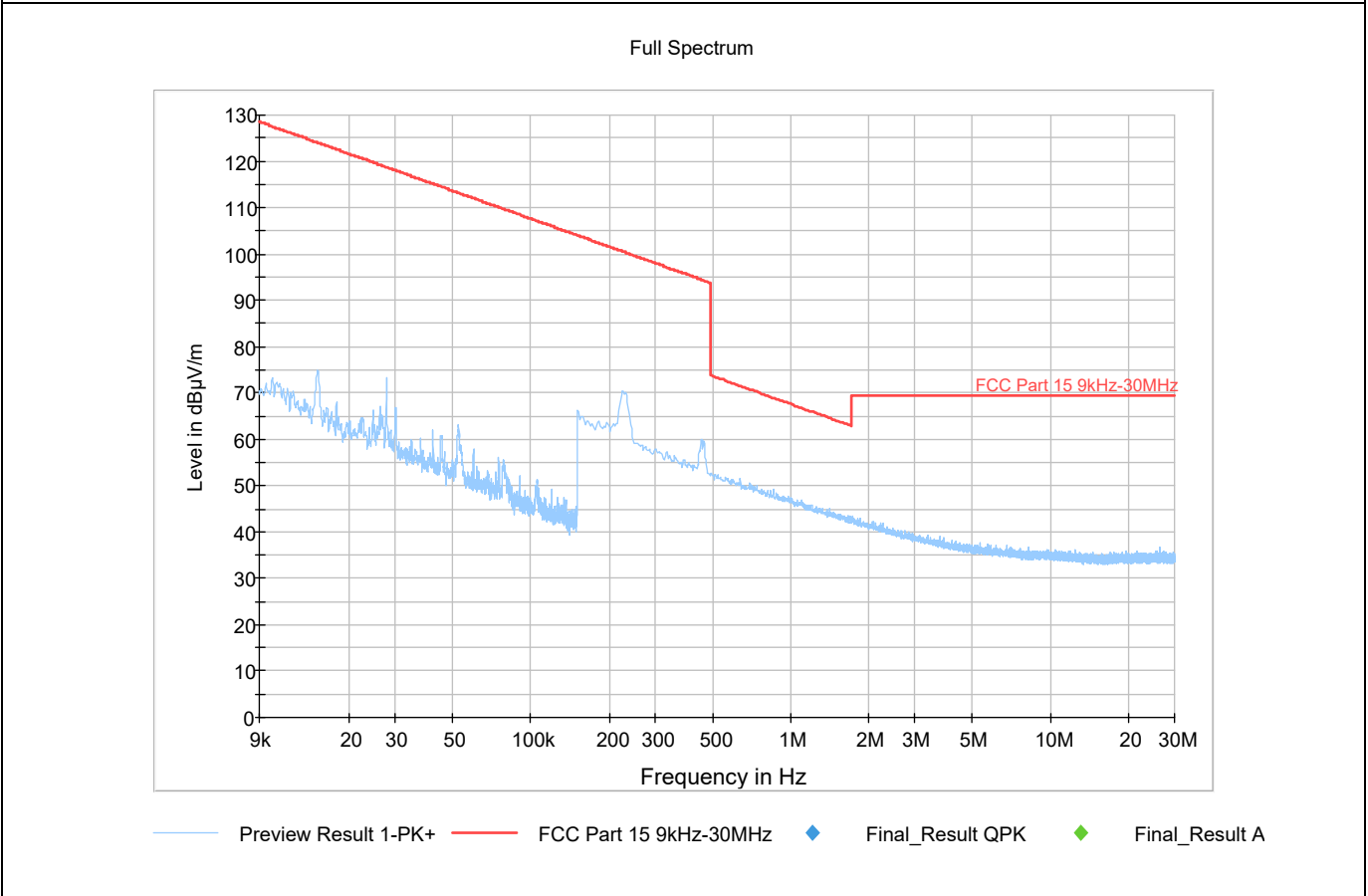


Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum

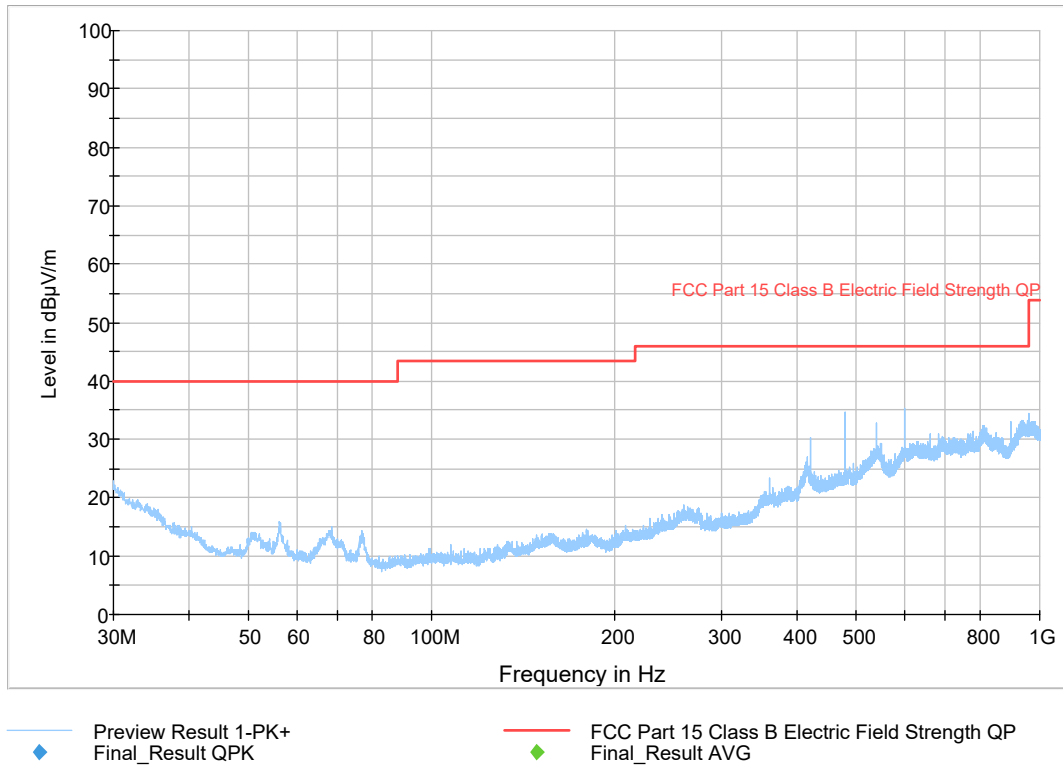


Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 9KHz – 30MHz
Data rate: 11g 12M (worst case)
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m



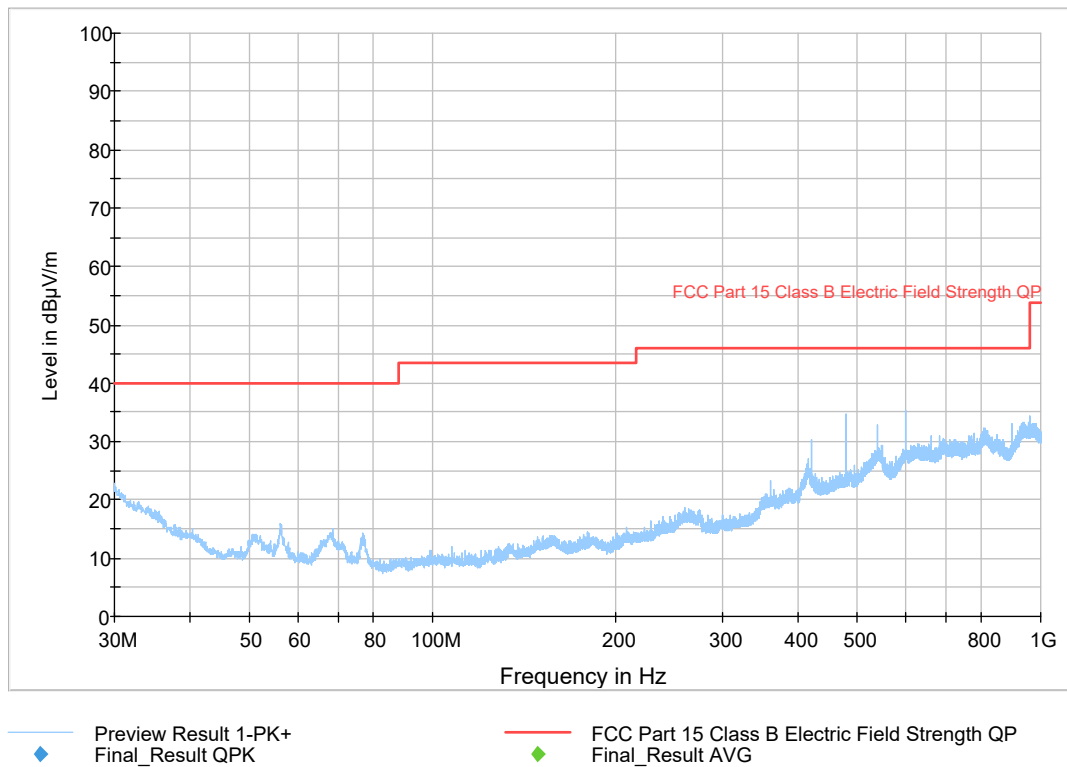
Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: 11g 12M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum

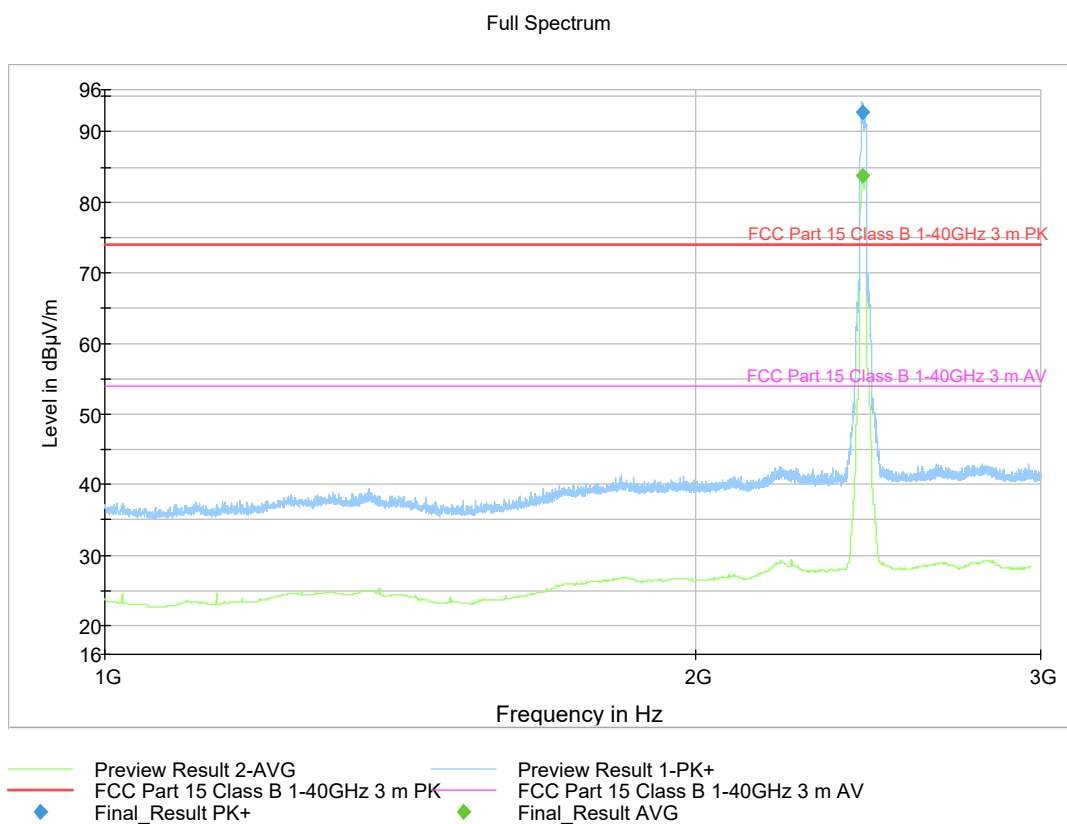


Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: 11g 12M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: 11g 12M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2436.000000	---	83.78	54.00	---	1000.0	1000.000	185.0	V	0.0
2436.000000	92.78	---	74.00	---	1000.0	1000.000	185.0	V	0.0

*Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.*

Graphical presentation of radiated emission

Operating mode: 3 (Channel 6 – Frequency 2437 MHz)

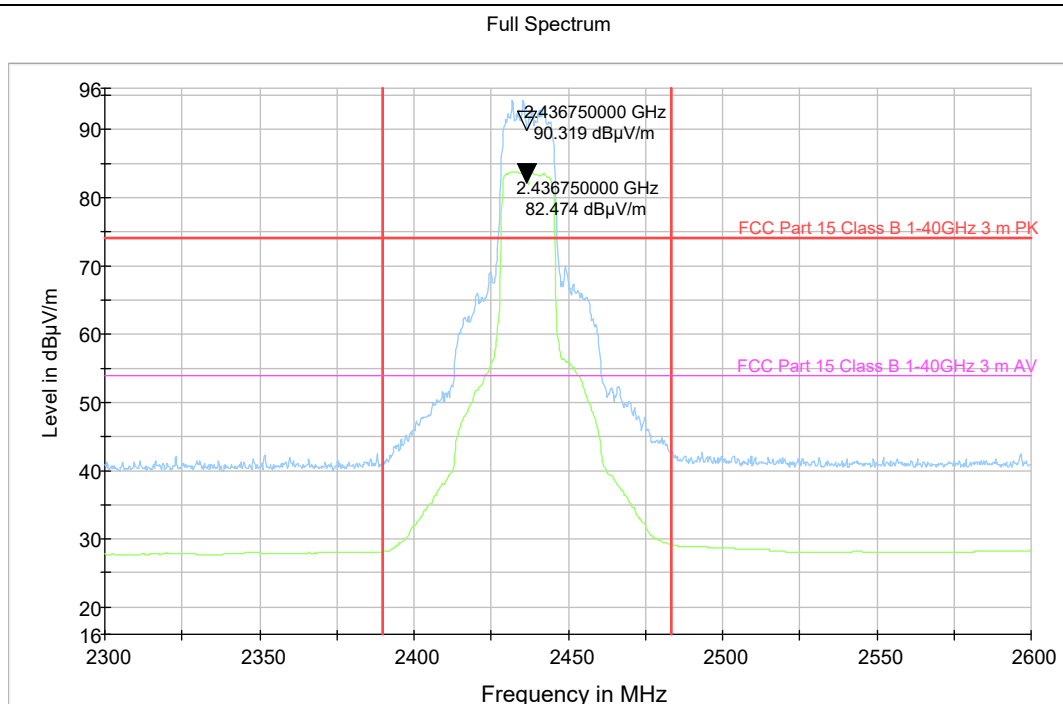
Frequency: Restricted band of operations near fundamental

Data rate: 11g 12M (worst case)

Antenna polarization: Vertical

Trace: Peak (blue trace); Average (green trace)

Measurement distance: 3m



- | | |
|---|--|
| — Preview Result 2-AVG | — Preview Result 1-PK+ |
| — FCC Part 15 2390MHz | — FCC Part 15 2483.5MHz |
| — FCC Part 15 Class B 1-40GHz 3 m PK | — FCC Part 15 Class B 1-40GHz 3 m AV |
| ◆ Final_Result PK+ | ◆ Final_Result AVG |

Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2436.75000	100.18	---	-13.24	3.38	90.32
2436.75000	---	92.33	-13.24	3.38	82.47

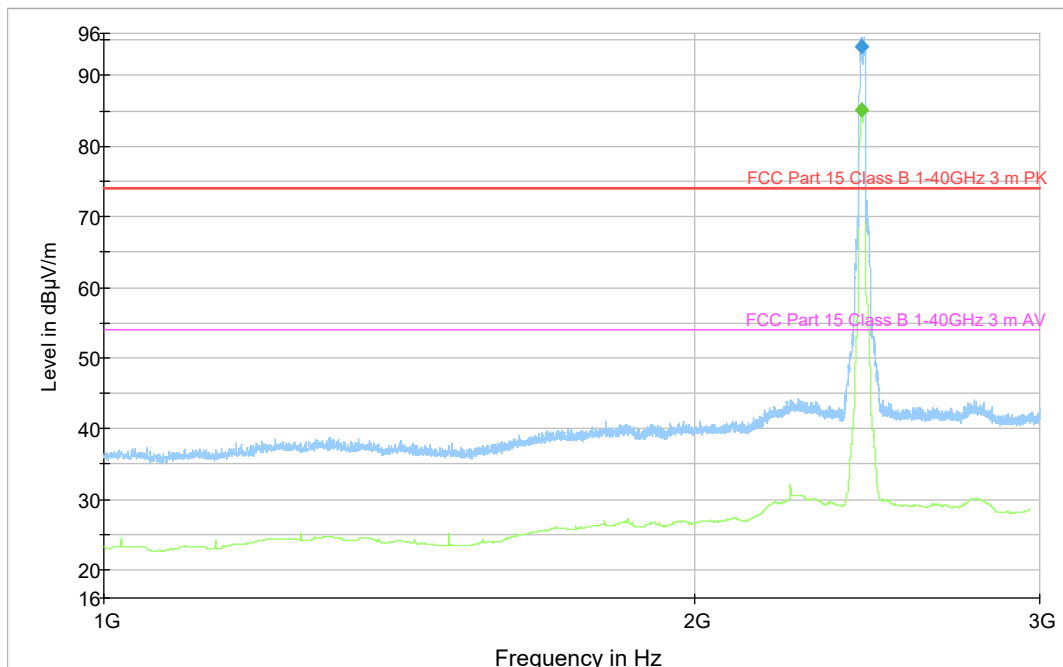
Peaks out of limits are due to Wi-Fi carrier (exclusion band).

Fundamental frequency not related to limit.



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: 11g 12M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result PK+
- Final_Result AVG

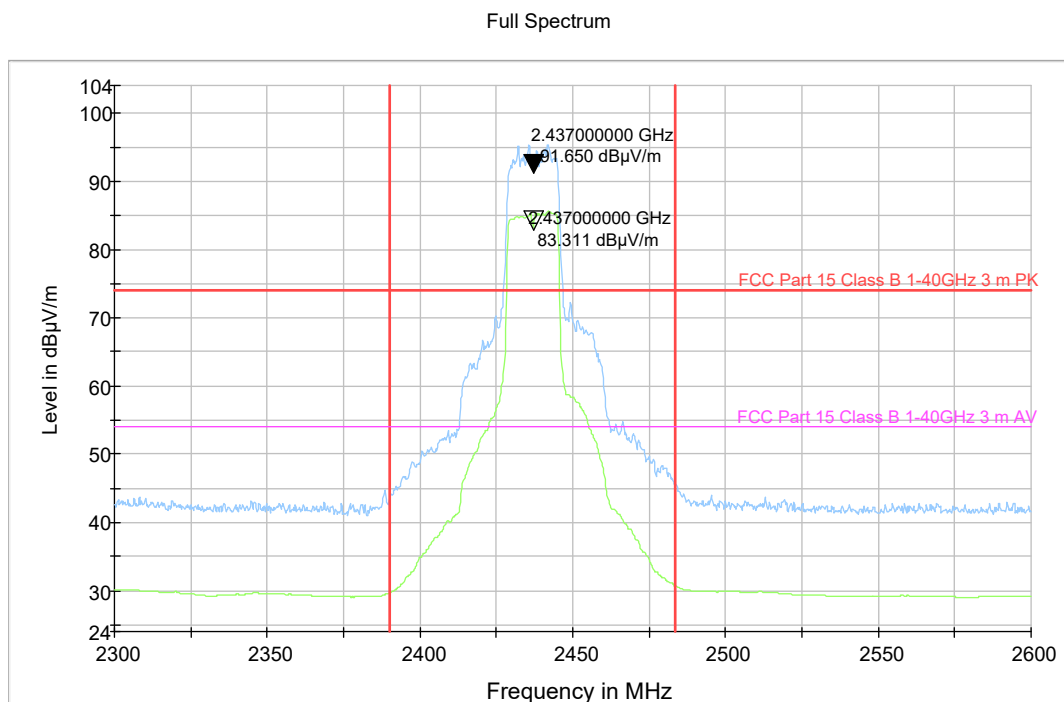
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2436.000000	---	85.14	54.00	---	1000.0	1000.000	190.0	H	0.0
2436.000000	94.12	---	74.00	---	1000.0	1000.000	190.0	H	0.0

Peaks out of limits are due to Wi-Fi carrier (exclusion band).
 Fundamental frequency not related to limit.



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: 11g 12M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m



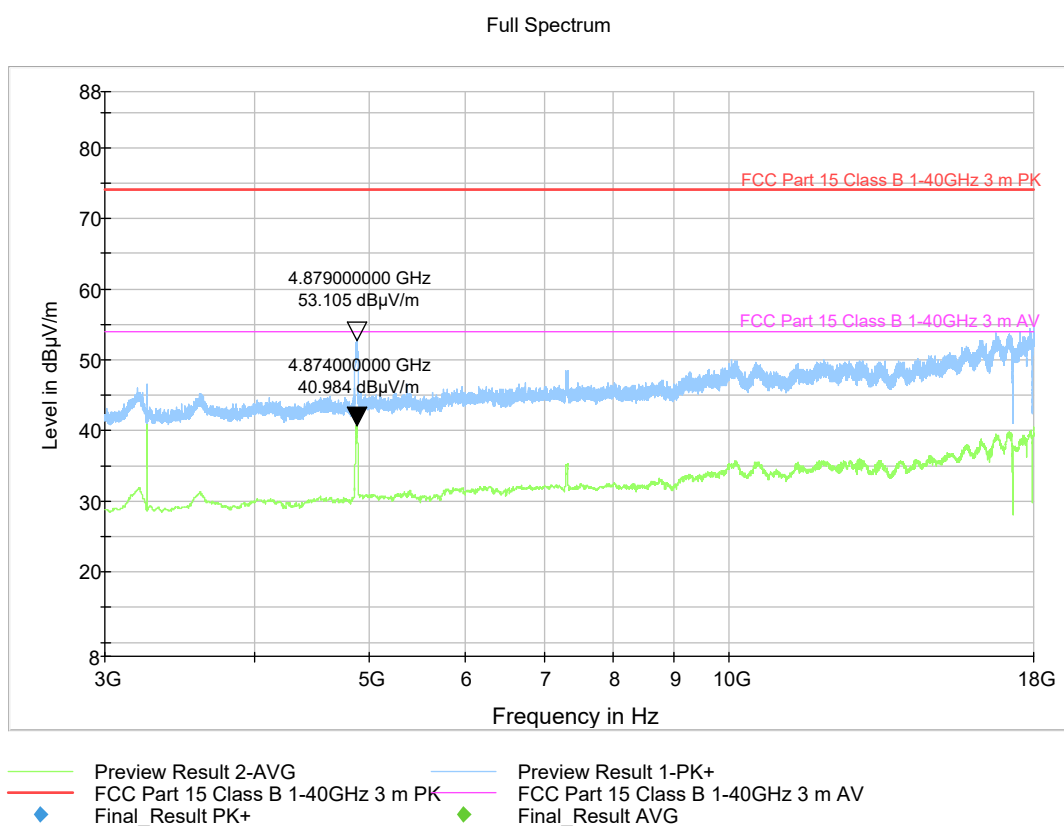
- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2390MHz
- FCC Part 15 2483.5MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result PK+
- Final_Result AVG

Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2437.000000	101.51	---	-13.24	3.38	91.65
2437.000000	---	93.17	-13.24	3.38	83.31

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 3GHz -18GHz
Data rate: 11g 12M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

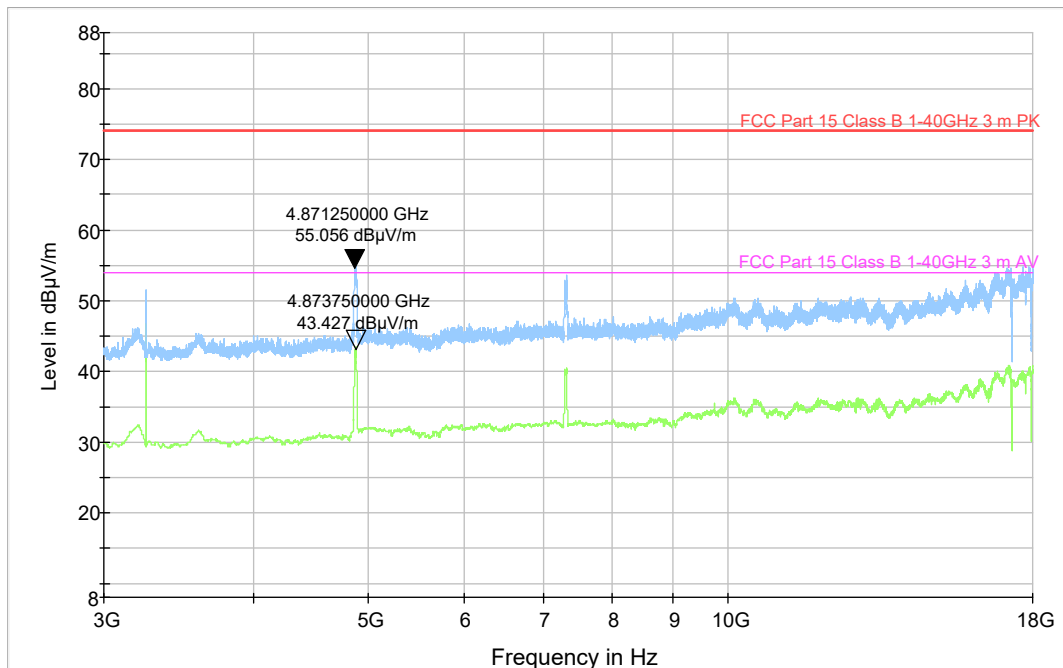


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4879.000000	53.10	---	74.00	20.90	1000.0	1000.000	155.0	V	0.0
4874.000000	---	40.99	54.00	13.01	1000.0	1000.000	155.0	V	0.0

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 3GHz -18GHz
Data rate: 11g 12M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4871.250000	55.05	---	74.00	18.95	1000.0	1000.000	115.0	V	0.0
4873.750000	---	43.43	54.00	10.57	1000.0	1000.000	115.0	V	0.0



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: 11g 12M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum





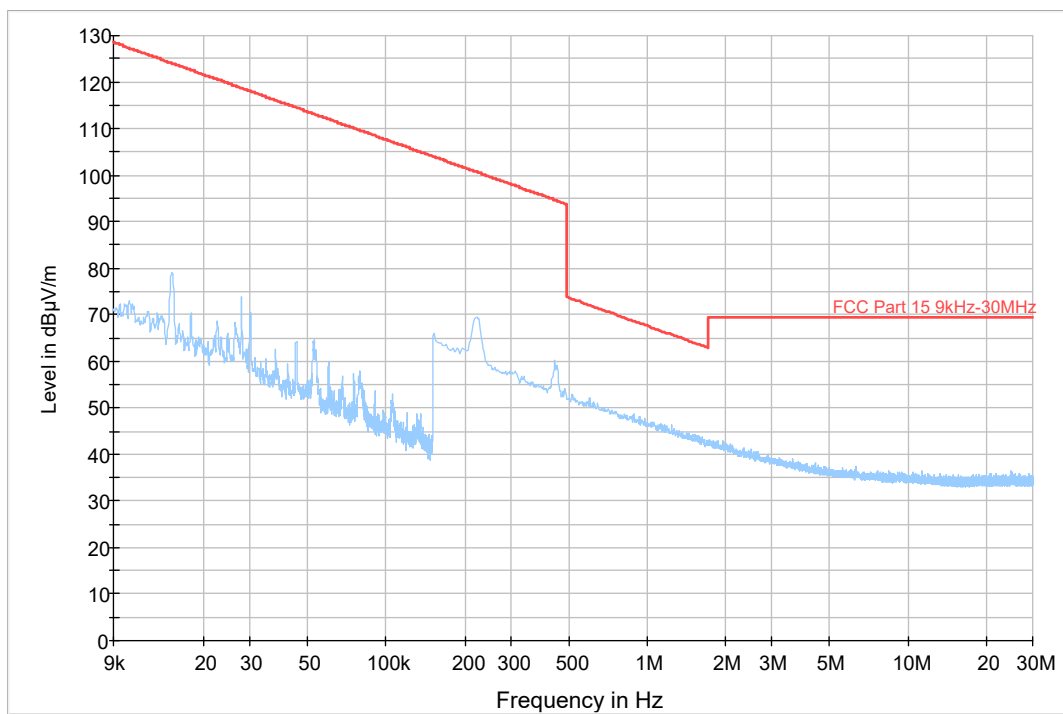
Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: 11g 12M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 9KHz – 30MHz
Data rate: HT20, MCS1 (worst case)
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

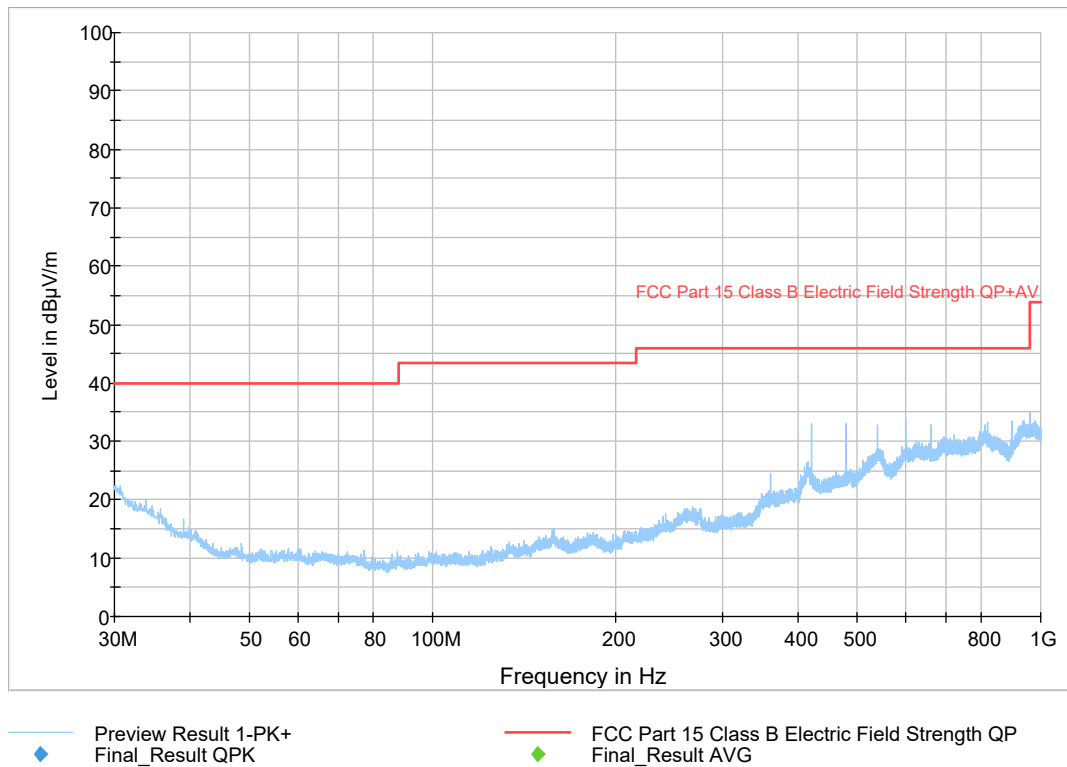
Full Spectrum



— Preview Result 1-PK+
 — FCC Part 15 9kHz-30MHz
 ◆ Final_Result QPK
 ◆ Final_Result A

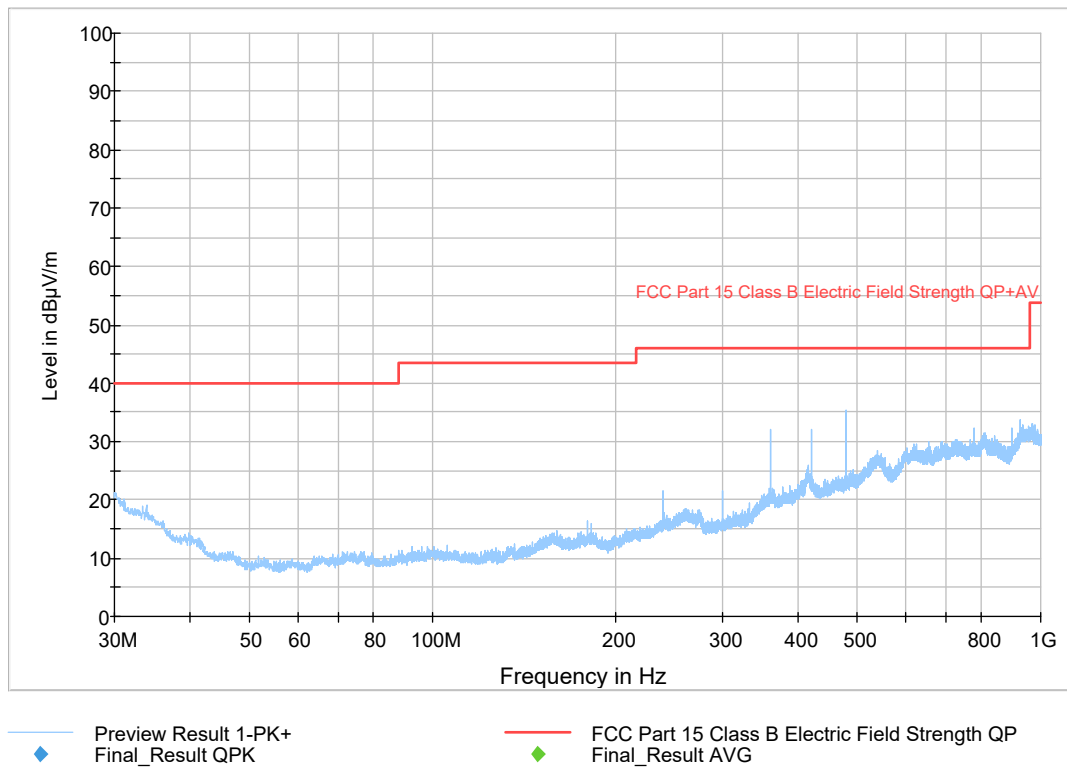
Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

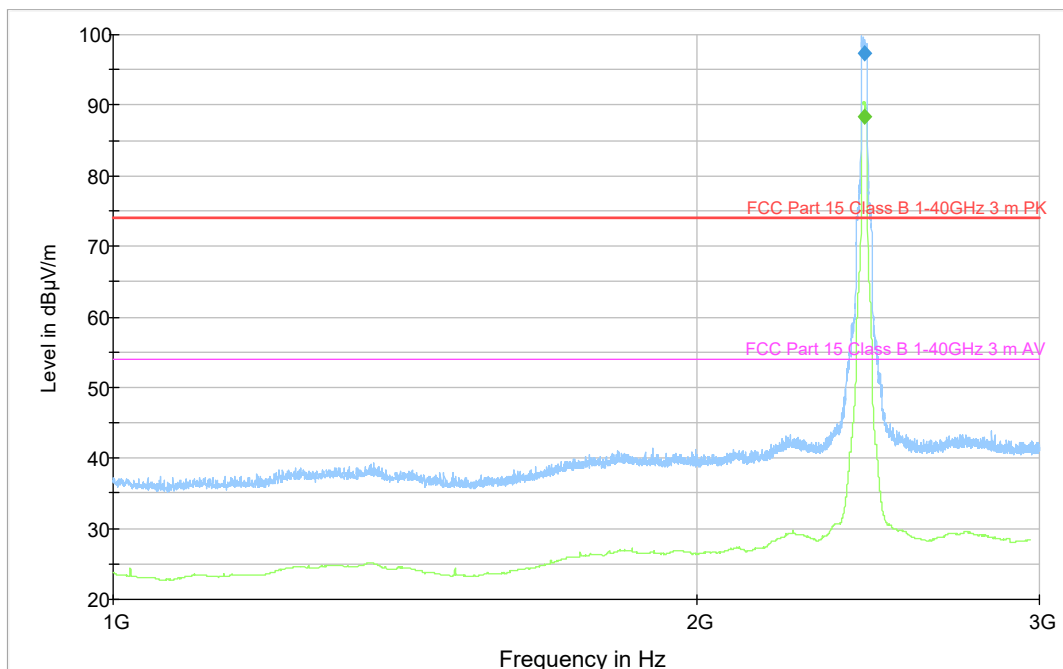
Full Spectrum





Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

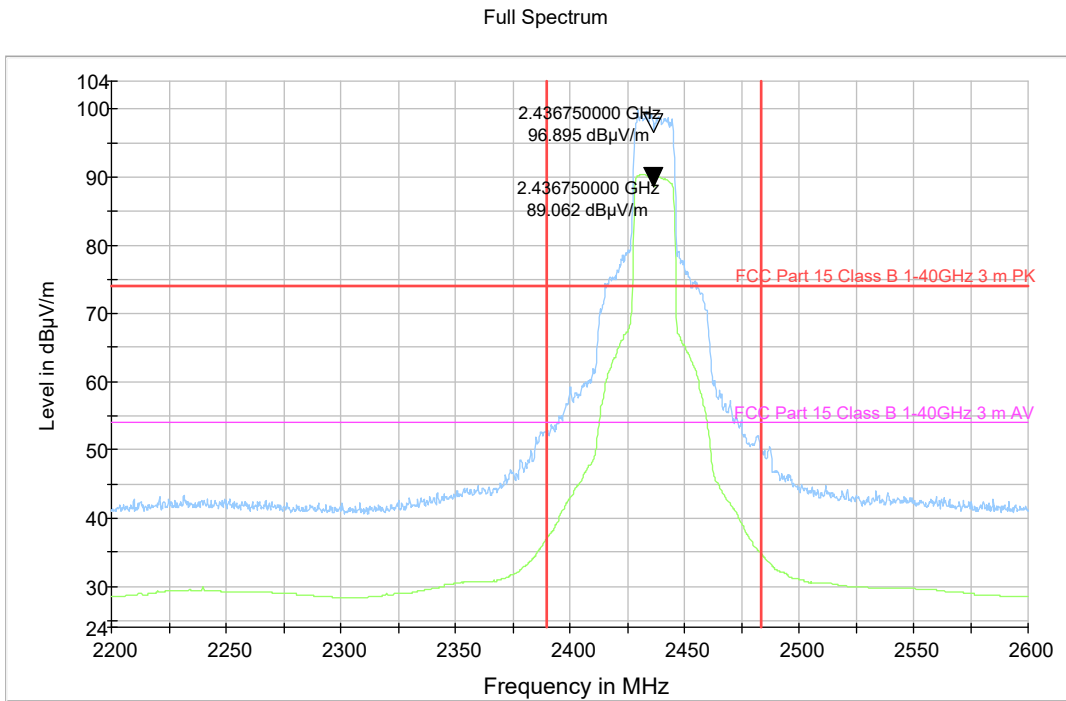
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2437.000000	---	88.34	54.00	---	1000.0	1000.000	170.0	V	0.0
2437.000000	97.39	---	74.00	---	1000.0	1000.000	170.0	V	0.0

*Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.*



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m



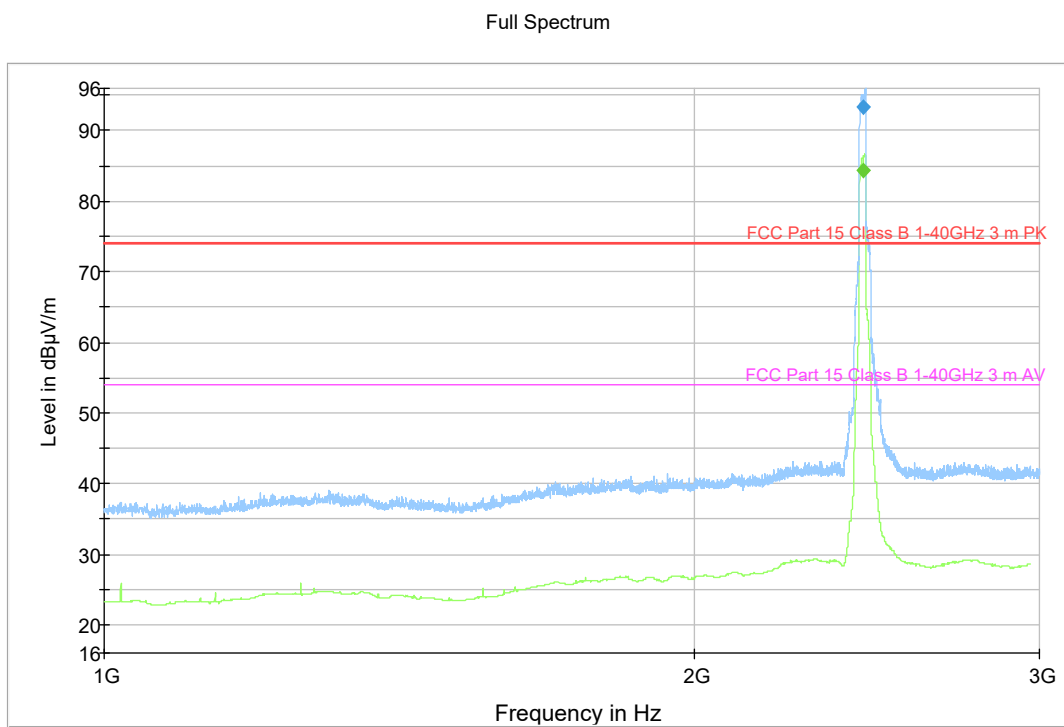
- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2390MHz
- FCC Part 15 2483.5MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result PK+
- Final_Result AVG

Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2436.750000	106.75	---	-13.24	3.38	96.89
2436.750000	---	98.92	-13.24	3.38	89.06

Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



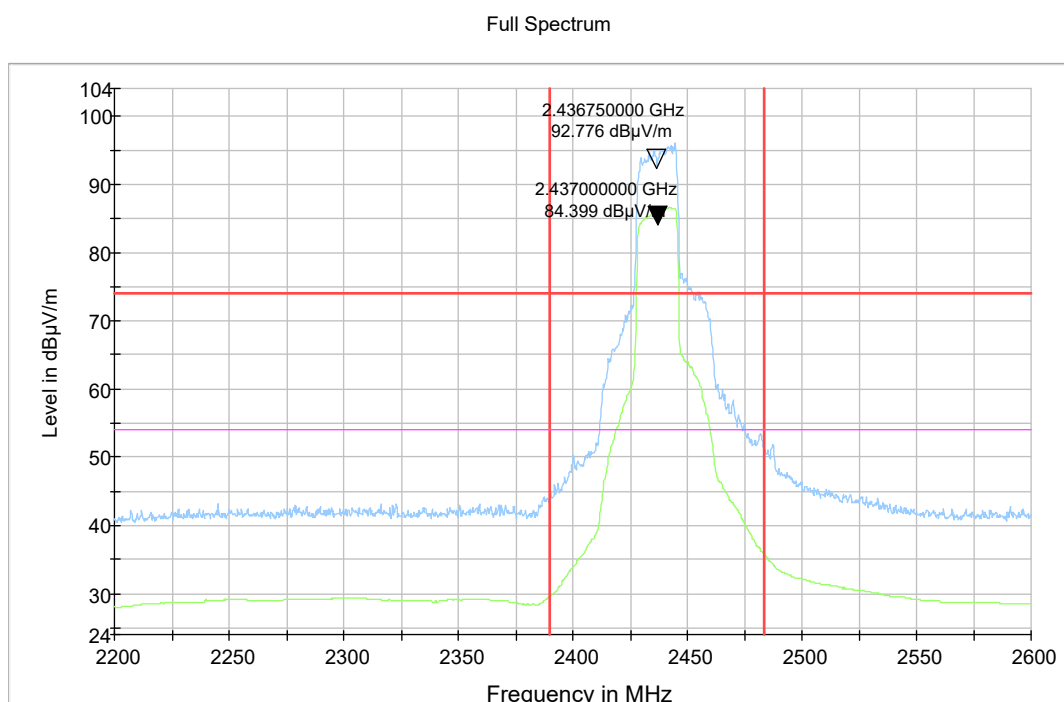
— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2437.000000	---	84.33	54.00	---	1000.0	1000.000	170.0	H	0.0
2437.000000	93.36	---	74.00	---	1000.0	1000.000	170.0	H	0.0

*Peaks out of limits are due to Wi-Fi carrier (exclusion band).
 Fundamental frequency not related to limit.*

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m



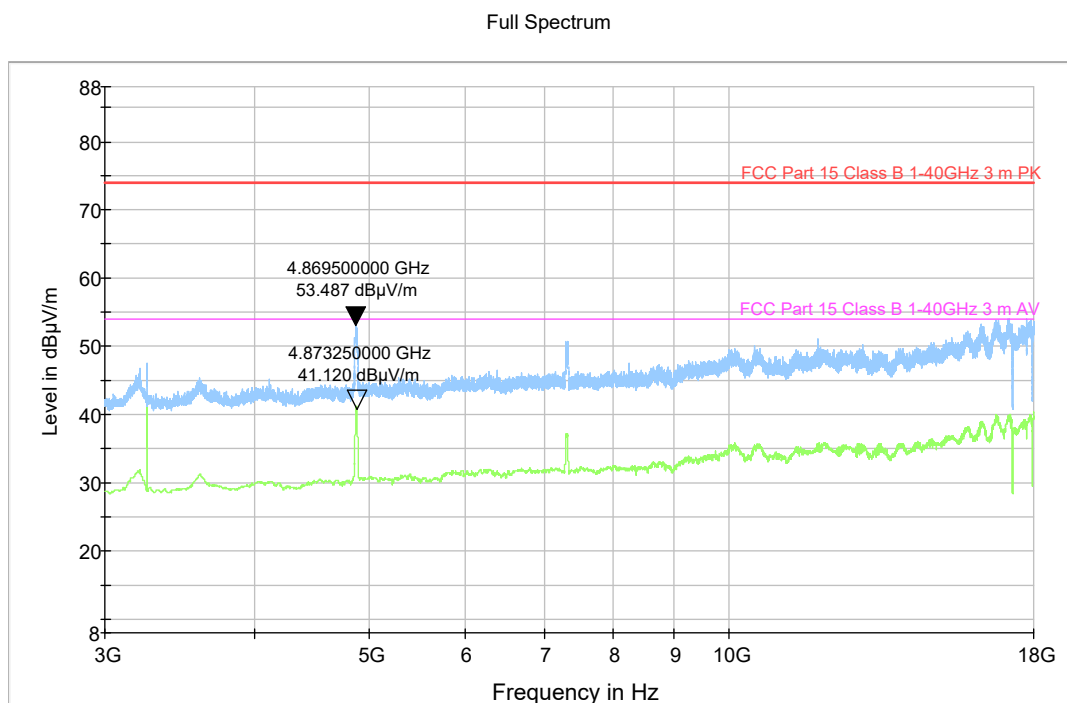
- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2390MHz
- FCC Part 15 2483.5MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2436.750000	102.63	---	-13.24	3.38	92.77
2436.750000	---	94.26	-13.24	3.38	84.40

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 3GHz -18GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



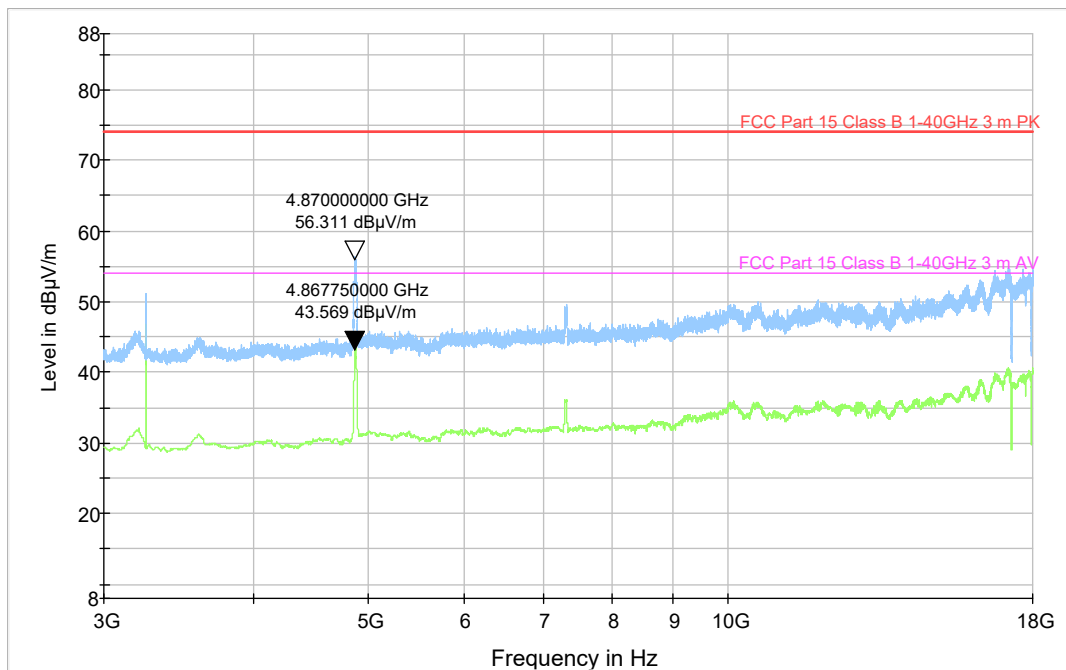
- Preview Result 2-AVG
- Preview Result 1-PK+
- * Critical_Freqs AVG
- * Critical_Freqs PK+
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4869.500000	53.49	---	74.00	20.51	1000.0	1000.000	115.0	V	90.0
4873.250000	---	41.12	54.00	12.88	1000.0	1000.000	115.0	V	90.0

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 3GHz -18GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



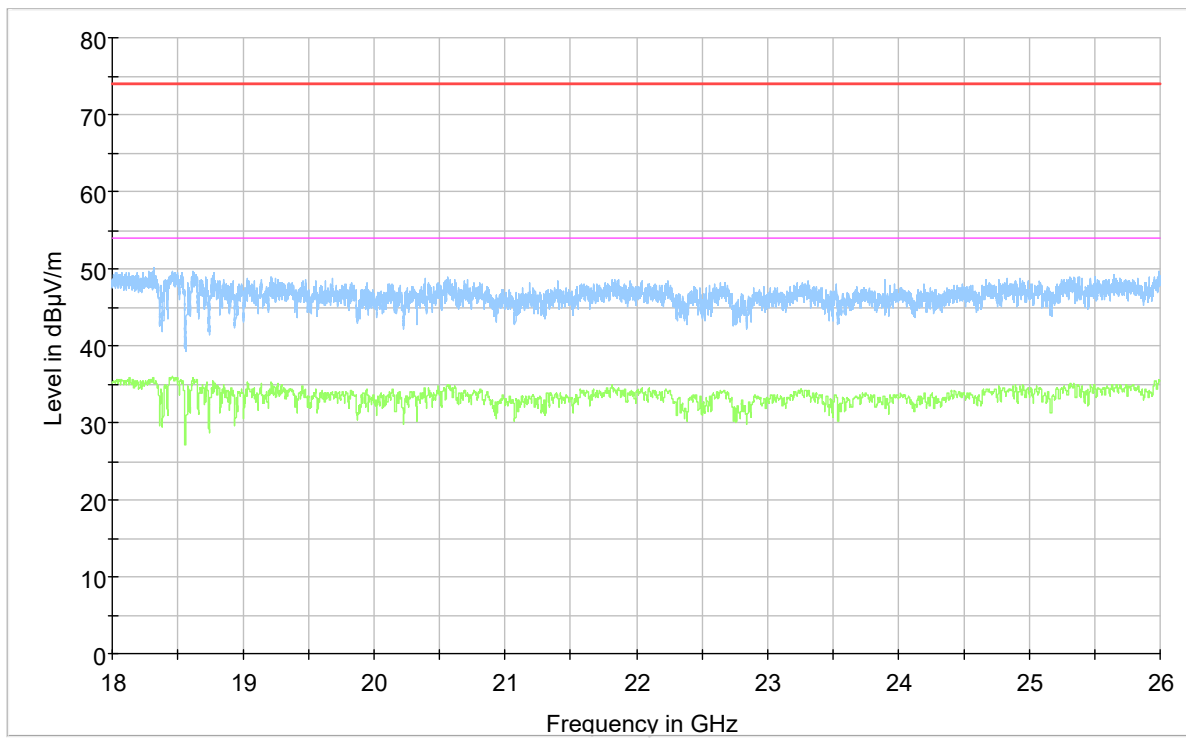
— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4870.000000	56.31	---	74.00	17.69	1000.0	1000.000	100.0	V	90.0
4867.750000	---	43.57	54.00	10.43	1000.0	1000.000	100.0	V	90.0

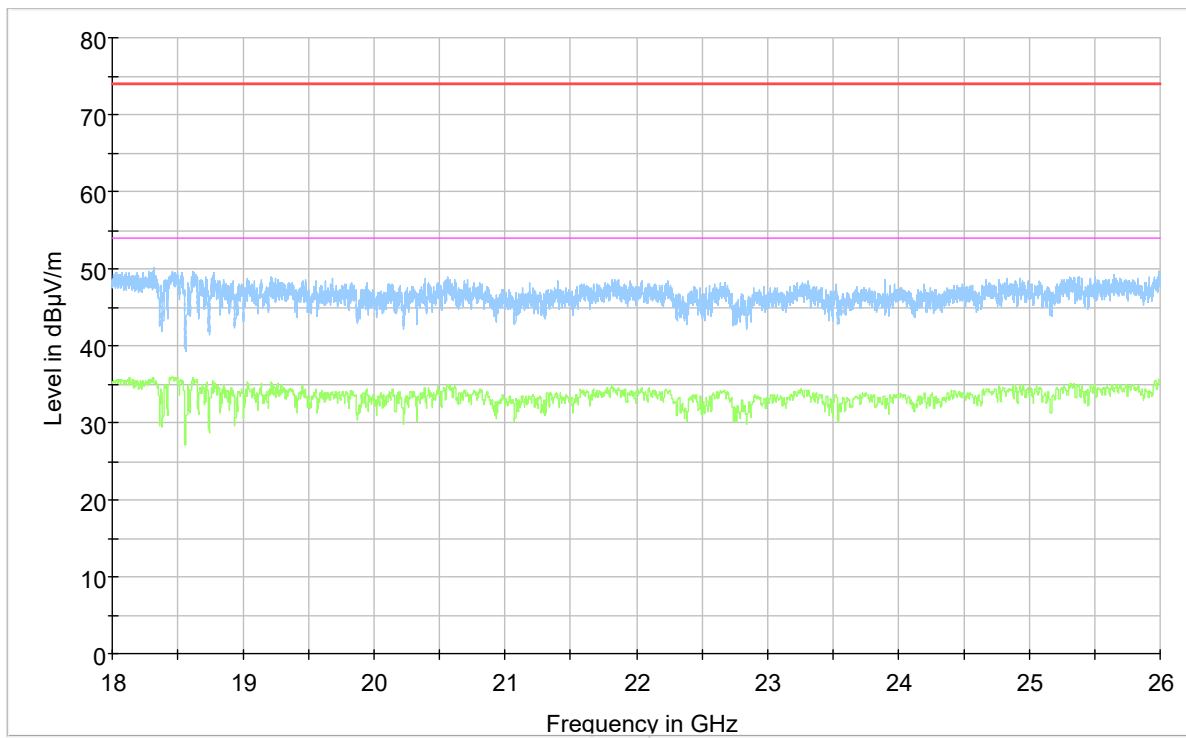
Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



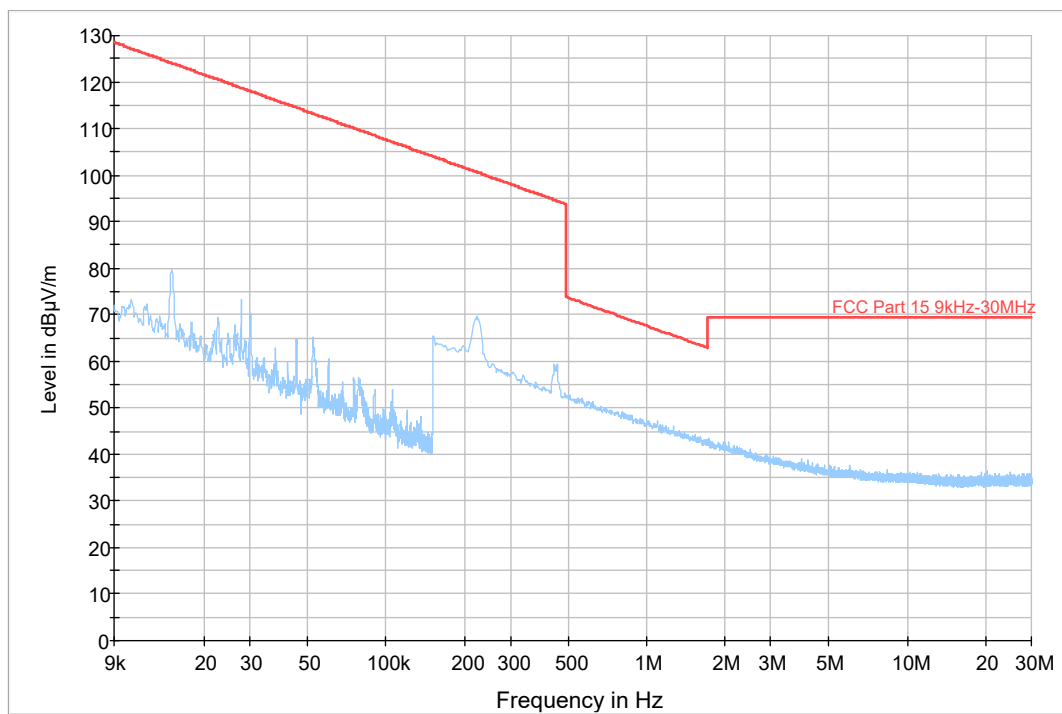
Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 9KHz – 30MHz
Data rate: HT40, MCS1 (worst case)
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

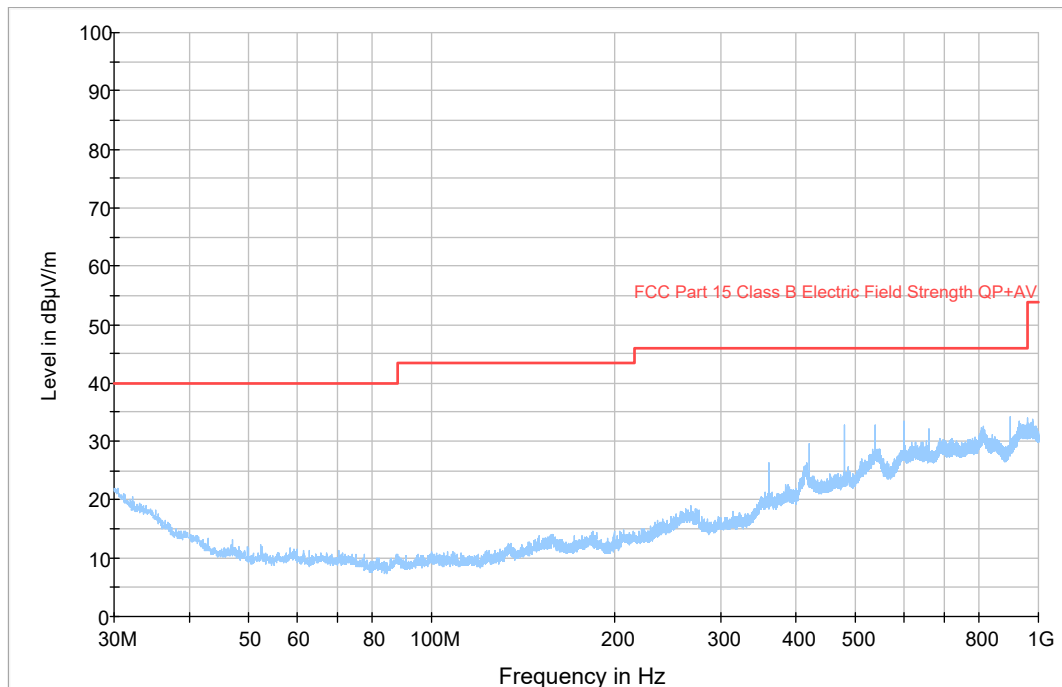
Full Spectrum



— Preview Result 1-PK+
 — FCC Part 15 9kHz-30MHz
 ◆ Final_Result QPK
 ◆ Final_Result A

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum

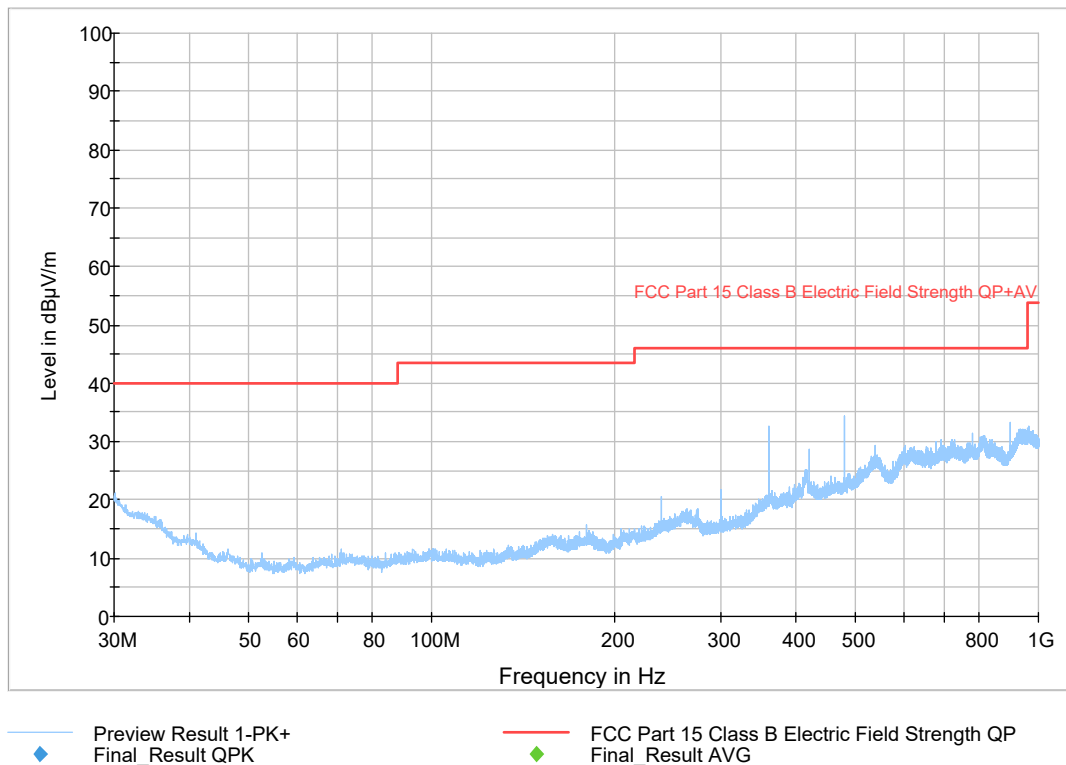


◆ Preview Result 1-PK+
 Final_Result QPK

◆ FCC Part 15 Class B Electric Field Strength QP
 Final_Result AVG

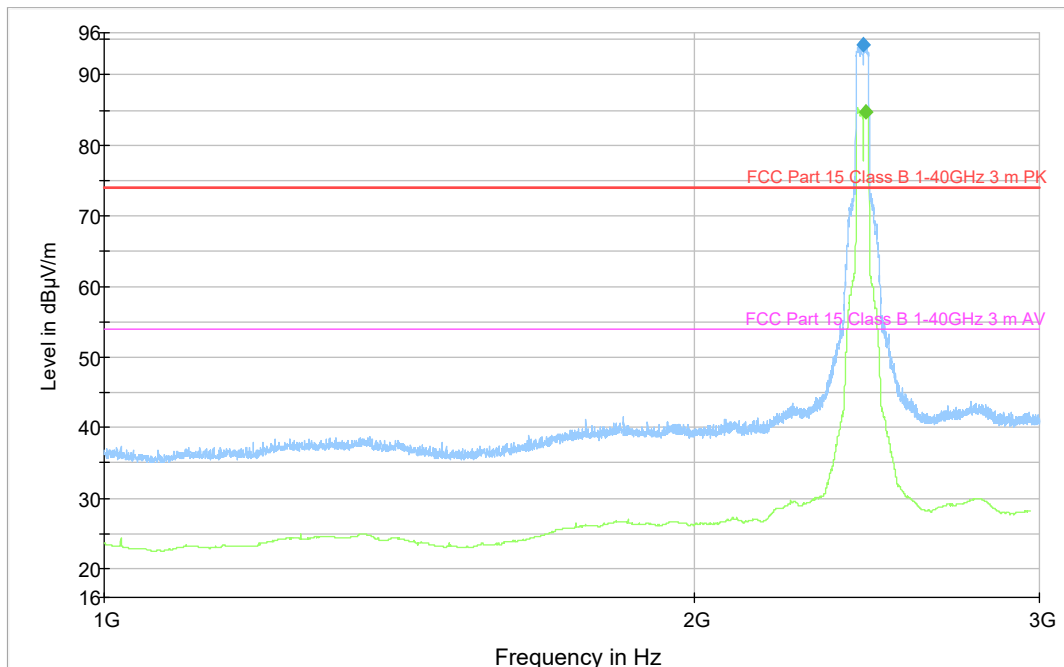
Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

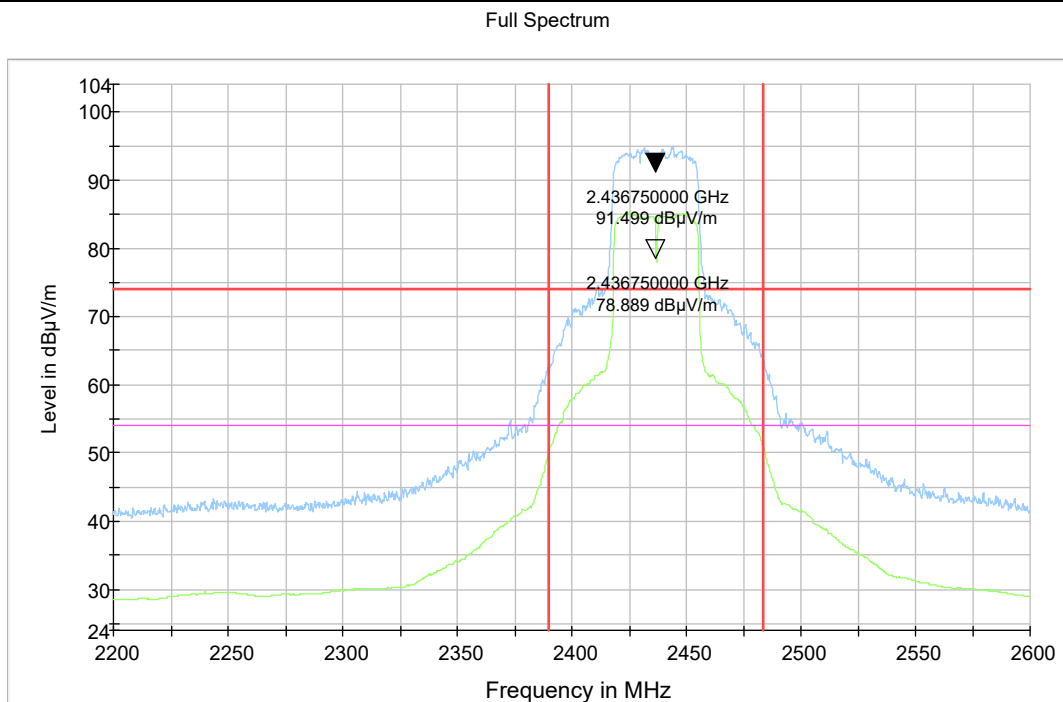
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2439.500000	94.19	---	74.00	---	1000.0	1000.000	150.0	V	0.0
2446.500000	---	84.73	54.00	---	1000.0	1000.000	150.0	V	0.0

*Peaks out of limits are due to Wi-Fi carrier (exclusion band).
 Fundamental frequency not related to limit.*



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m



- Preview Result 2-AVG
- FCC Part 15 2390MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- Final_Result PK+
- Preview Result 1-PK+
- FCC Part 15 2483.5MHz
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result AVG

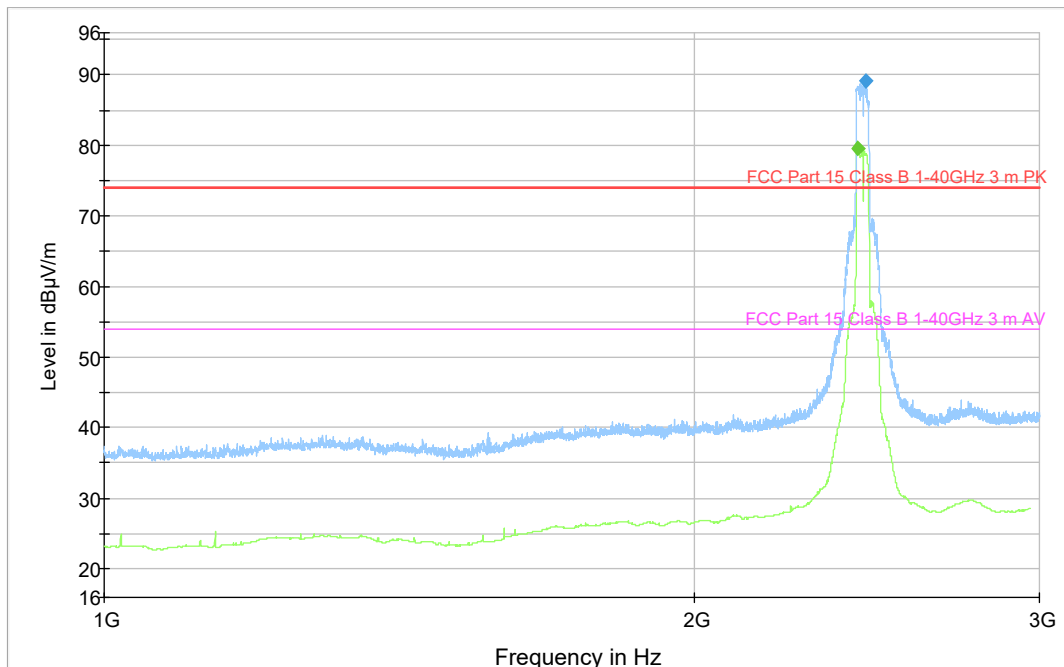
Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2436.750000	101.36	---	-13.24	3.38	91.50
2436.750000	---	88.75	-13.24	3.38	78.89

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

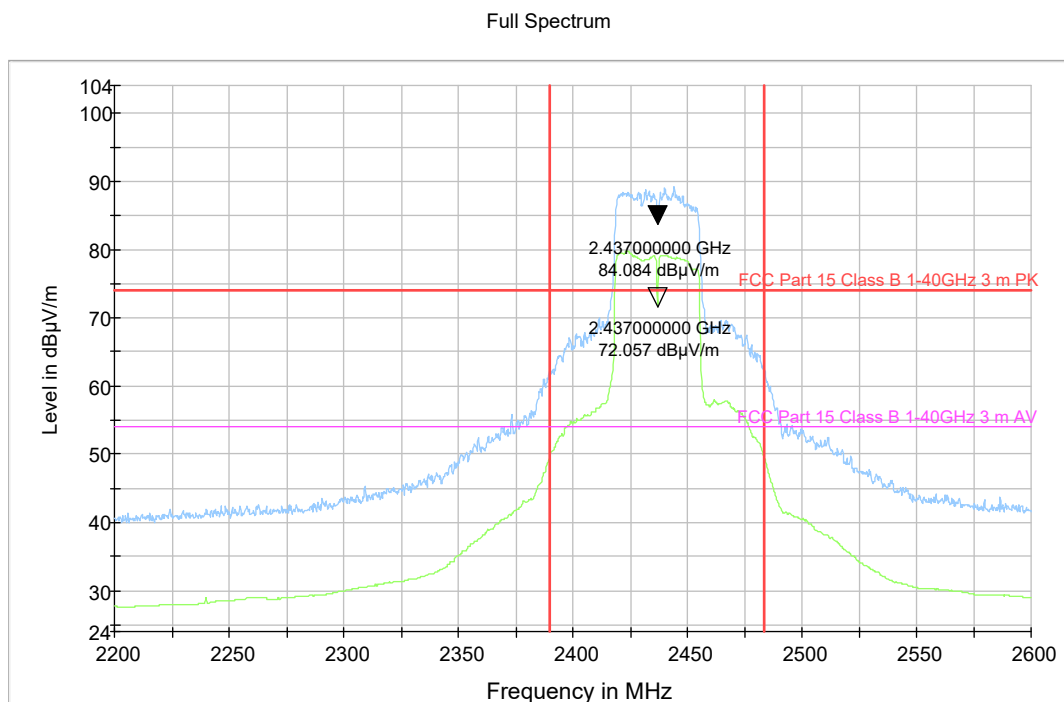
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2424.250000	---	79.61	54.00	---	1000.0	1000.000	150.0	H	180.0
2444.250000	89.11	---	74.00	---	1000.0	1000.000	150.0	H	180.0

*Peaks out of limits are due to Wi-Fi carrier (exclusion band).
 Fundamental frequency not related to limit.*



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m



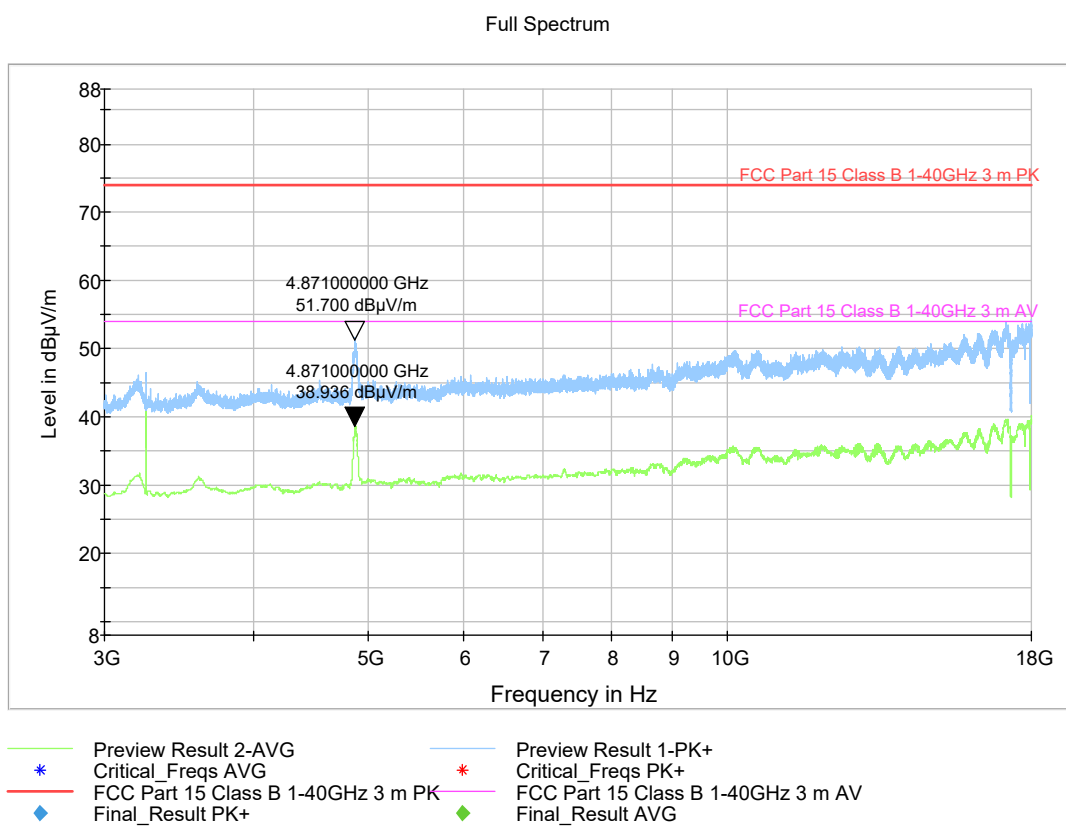
- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2390MHz
- FCC Part 15 2483.5MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2436.750000	93.90	---	-13.24	3.38	84.04
2436.750000	---	81.91	-13.24	3.38	72.05

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

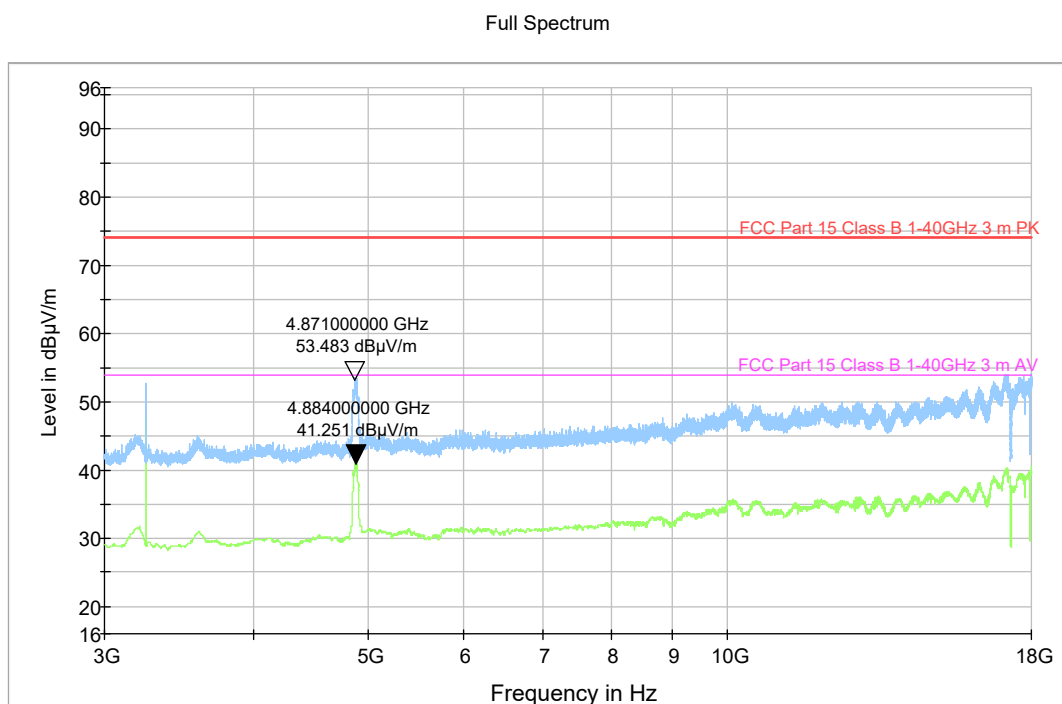
Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 3GHz -18GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4871.000000	51.70	---	74.00	22.30	1000.0	1000.000	110.0	V	90.0
4871.000000	---	38.94	54.00	15.06	1000.0	1000.000	110.0	V	90.0

Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 3GHz -18GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



- Preview Result 2-AVG
- Preview Result 1-PK+
- * Critical_Freqs AVG
- * Critical_Freqs PK+
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

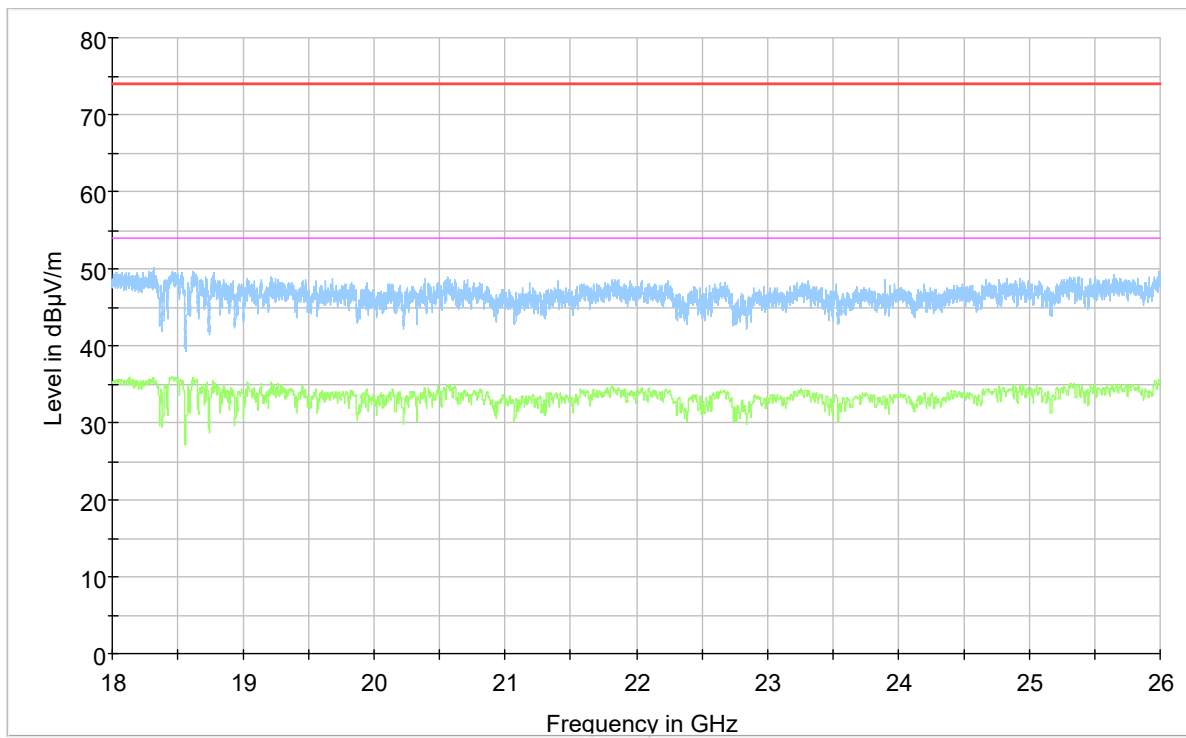
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4871.000000	53.48	---	74.00	20.52	1000.0	1000.000	110.0	V	0.0
4884.000000	---	41.25	54.00	12.75	1000.0	1000.000	110.0	V	0.0



Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum





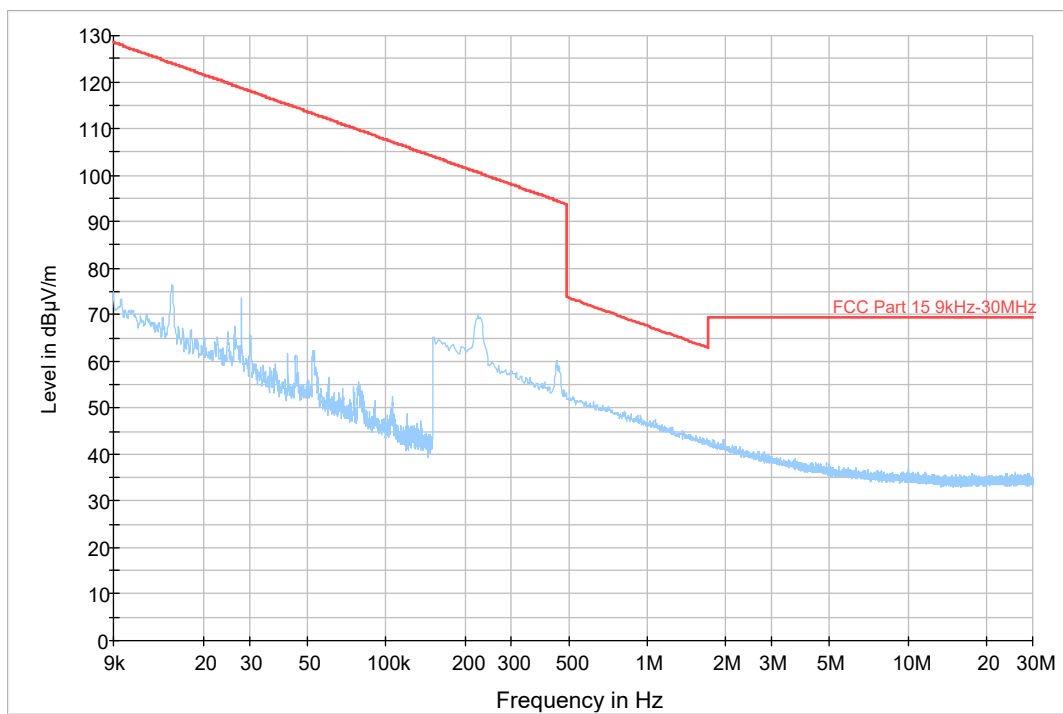
Graphical presentation of radiated emission
Operating mode: 3 (Channel 6 – Frequency 2437 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 9KHz – 30MHz
Data rate: 11b 1M (worst case)
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

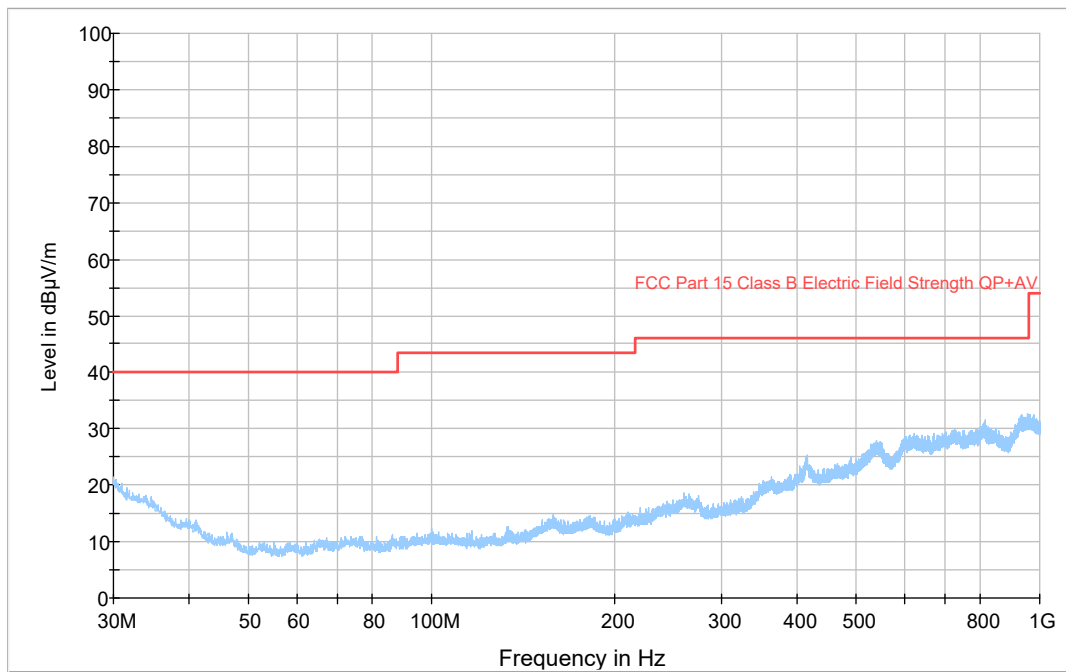
Full Spectrum



— Preview Result 1-PK+
 — FCC Part 15 9kHz-30MHz
 ◆ Final_Result QPK
 ◆ Final_Result A

Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

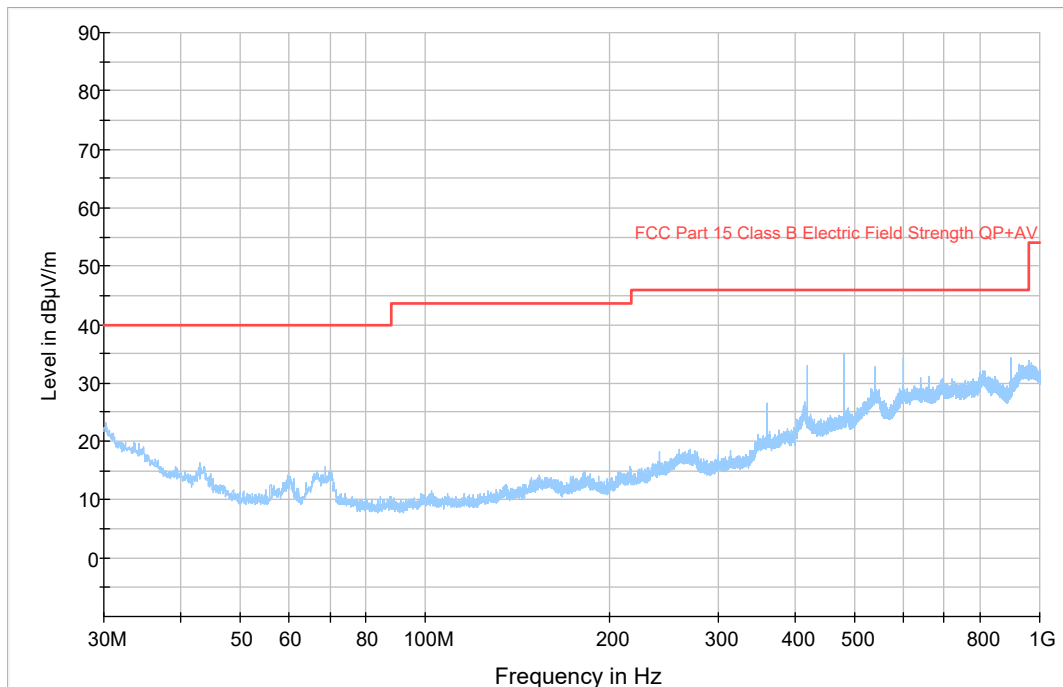
Full Spectrum



- | | |
|--|--|
|  Preview Result 1-PK+ |  Critical_Freqs AVG |
|  Critical_Freqs PK+ |  FCC Part 15 Class B Electric Field Strength QP |
|  Final_Result QPK |  Final_Result AVG |

Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



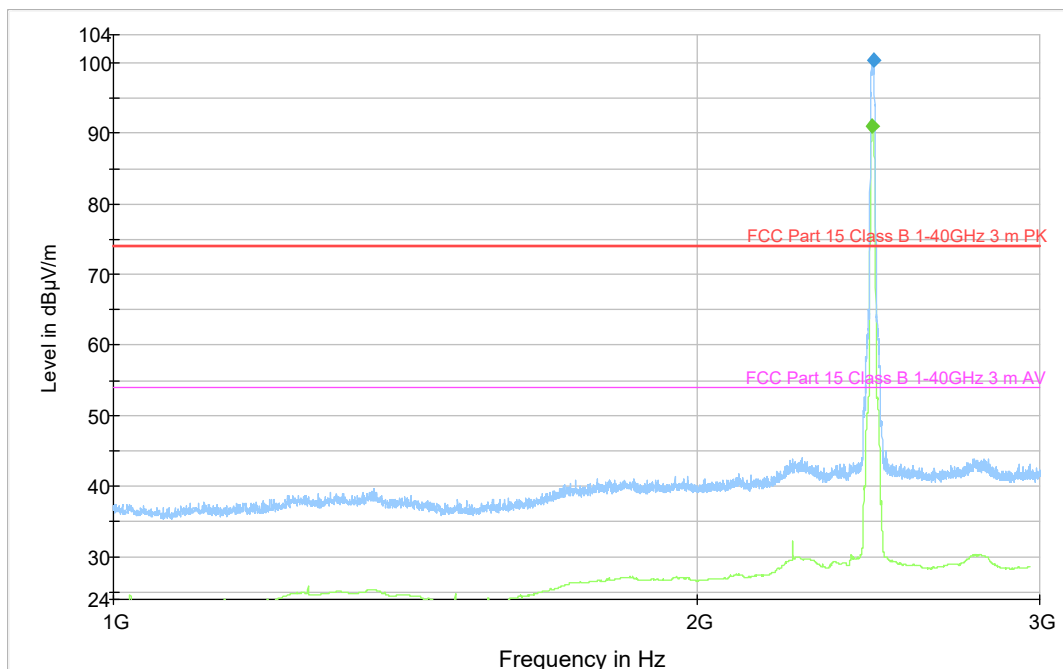
Preview Result 1-PK+
Final_Result QPK

FCC Part 15 Class B Electric Field Strength QP
Final_Result AVG



Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

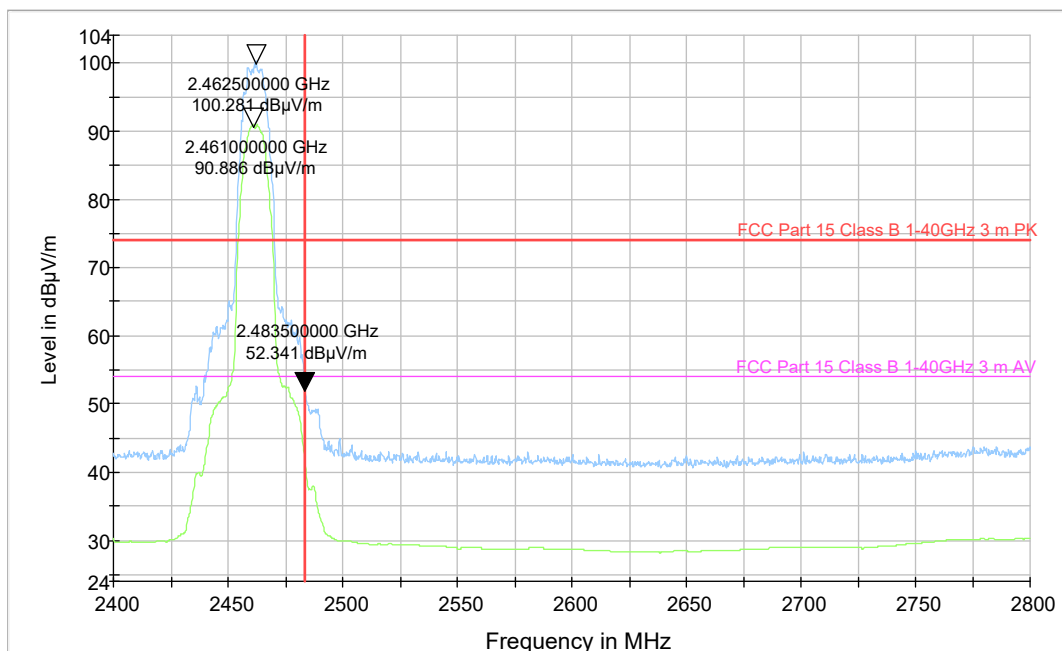
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2461.250000	---	90.95	54.00	---	1000.0	1000.000	115.0	V	0.0
2462.500000	100.39	---	74.00	---	1000.0	1000.000	115.0	V	0.0

*Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.*

Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: 11b 1M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2483.5MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

Fundamental Level

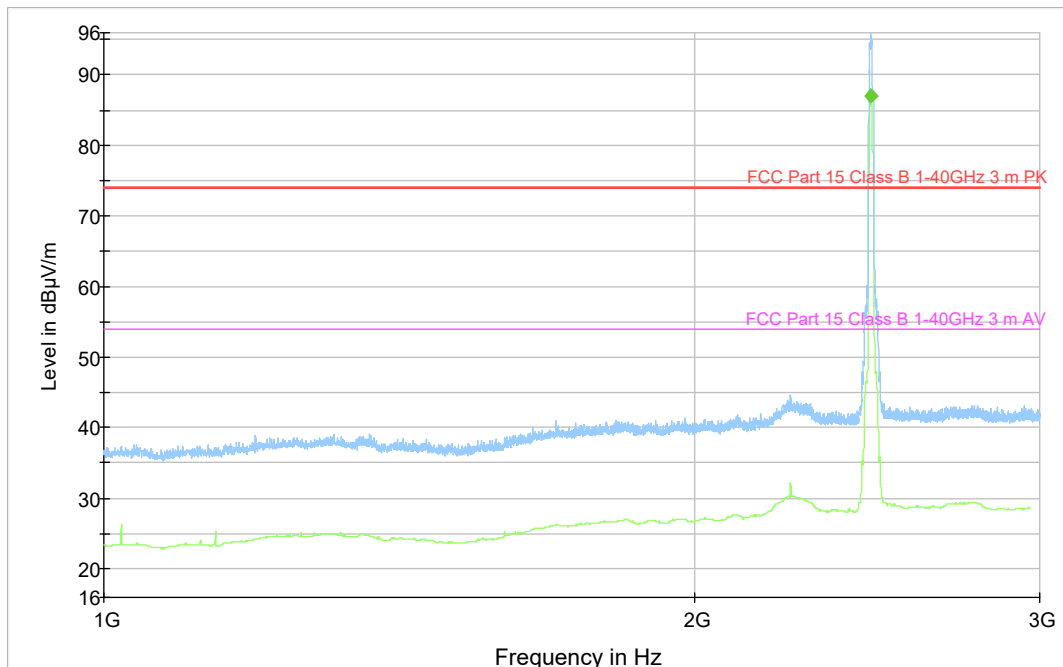
Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2462.500000	110.62	---	-13.51	3.17	100.28
2461.000000	---	101.22	-13.51	3.17	90.88

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.



Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result PK+
- Final_Result AVG

Final Result

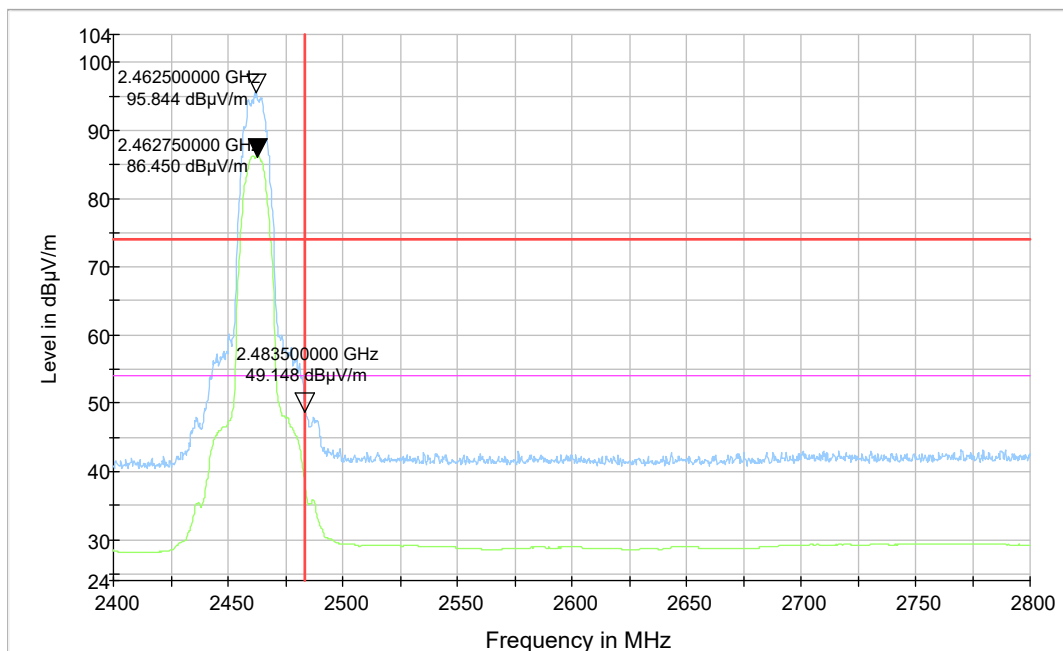
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2462.500000	96.46	---	74.00	---	1000.0	1000.000	115.0	H	0.0
2462.750000	---	87.06	54.00	---	1000.0	1000.000	115.0	H	0.0

Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.



Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: 11b 1M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2483.5MHz
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result AVG
- FCC Part 15 Class B 1-40GHz 3 m PK
- Final_Result PK+

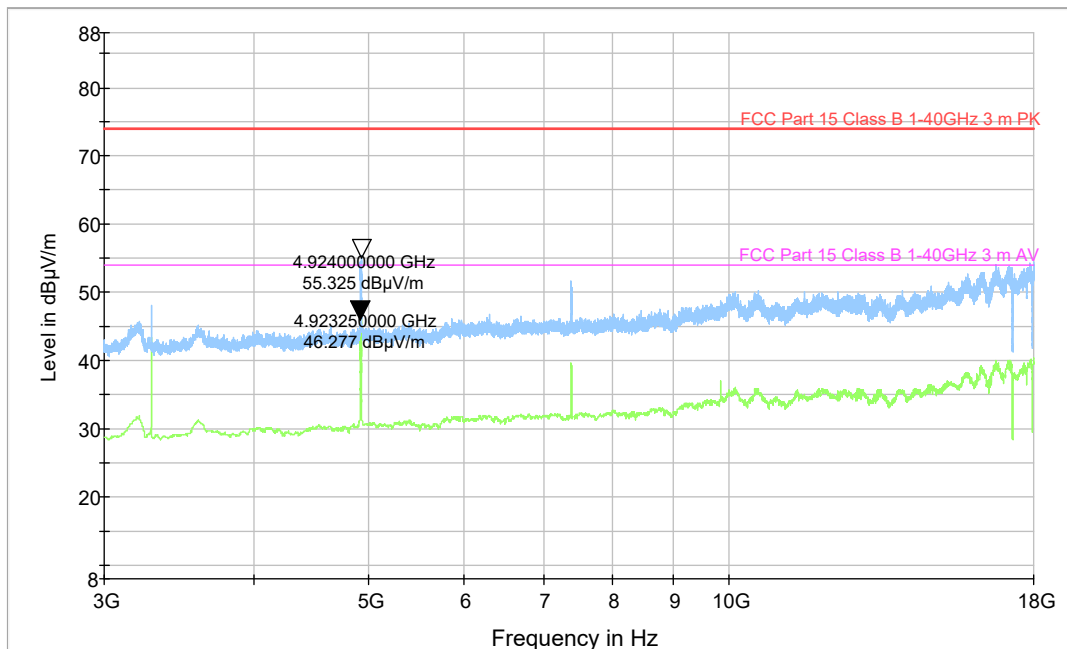
Fundamental Level









Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2462.50000	106.18	---	-13.51	3.17	95.84
2462.75000	---	96.79	-13.51	3.17	86.45

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 3GHz -18GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum

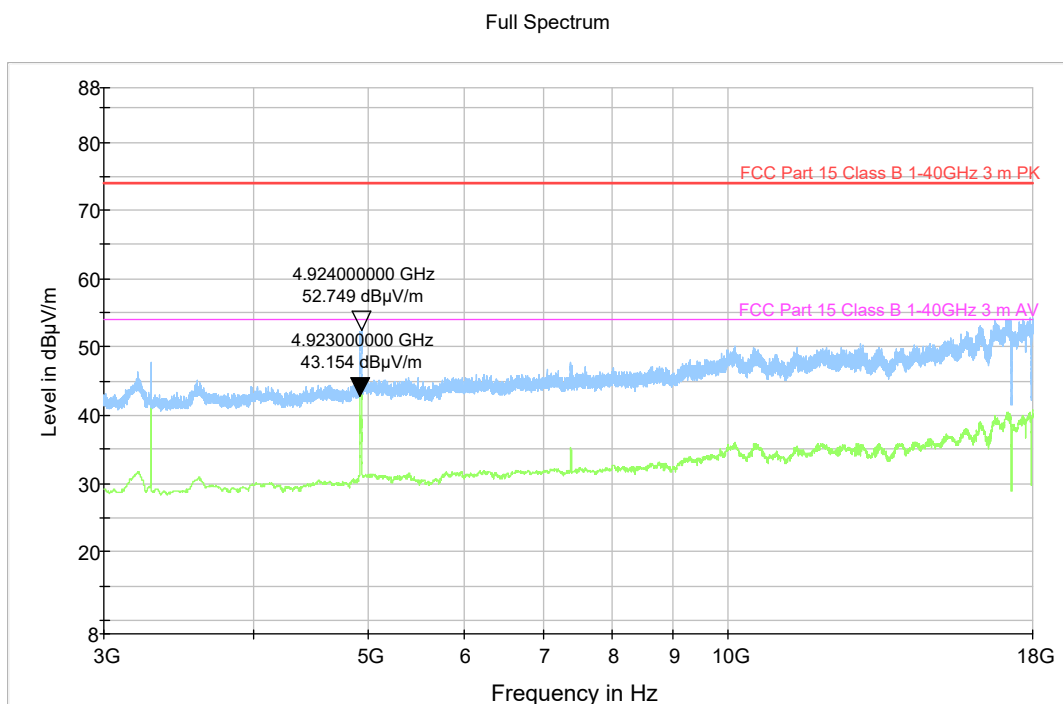


- | | |
|--|--|
|  Preview Result 2-AVG |  Preview Result 1-PK+ |
|  Critical_Freqs AVG |  Critical_Freqs PK+ |
|  FCC Part 15 Class B 1-40GHz 3 m PK |  FCC Part 15 Class B 1-40GHz 3 m AV |
|  Final_Result PK+ |  Final_Result AVG |

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4924.000000	55.32	---	74.00	18.68	1000.0	1000.000	105.0	V	0.0
4923.250000	---	46.27	54.00	7.73	1000.0	1000.000	105.0	V	0.0

Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 3GHz -18GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



- Preview Result 2-AVG
- * Critical_Freqs AVG
- FCC Part 15 Class B 1-40GHz 3 m PK
- ◆ Final_Result PK+
- Preview Result 1-PK+
- * Critical_Freqs PK+
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result AVG

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4924.000000	52.75	---	74.00	21.25	1000.0	1000.000	110.0	V	0.0
4923.000000	---	43.15	54.00	10.85	1000.0	1000.000	110.0	V	0.0

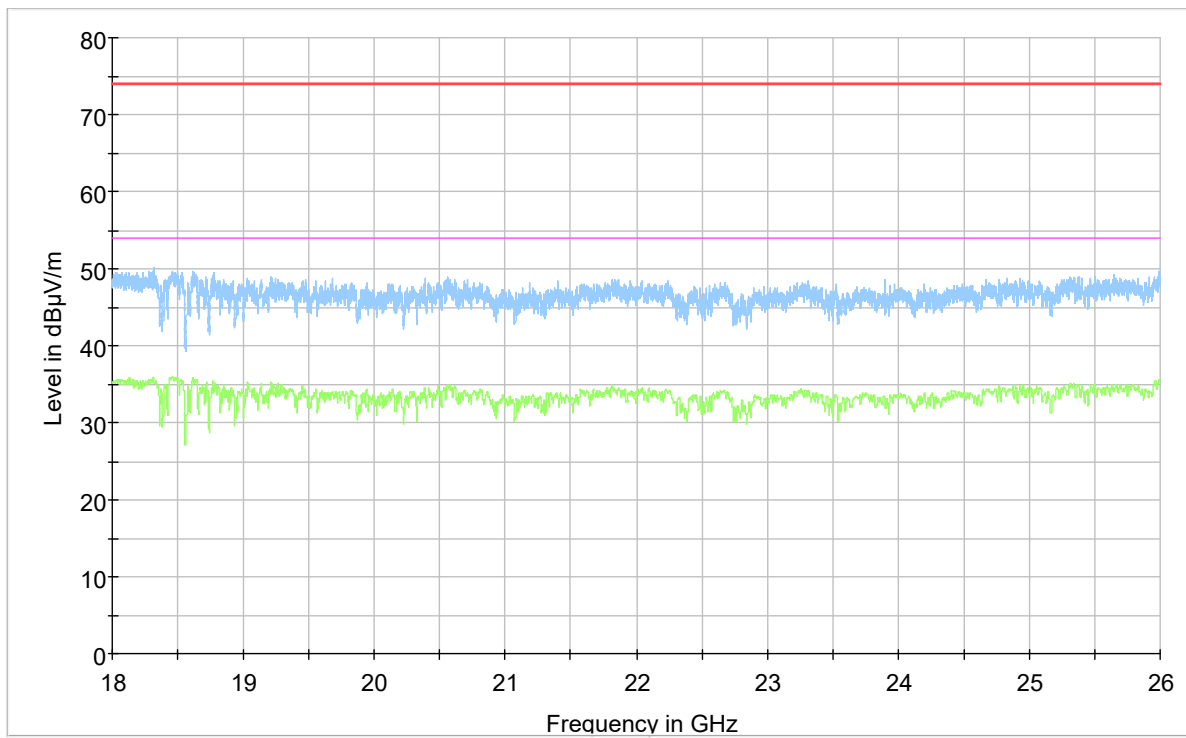
Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



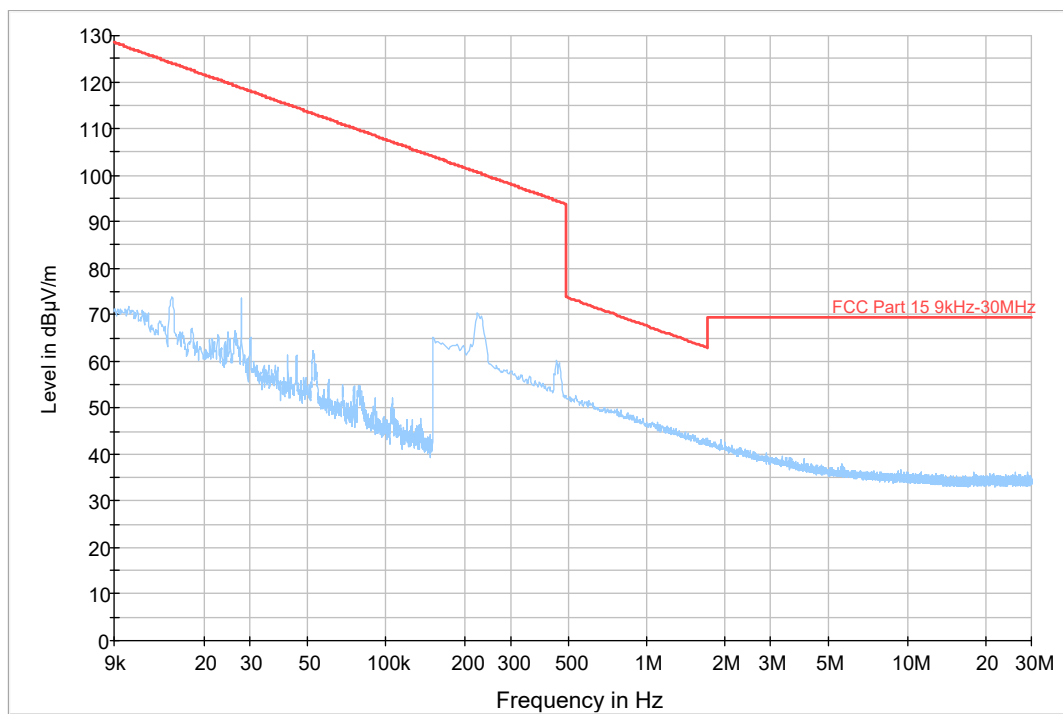
Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: 11b 1M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 9KHz – 30MHz
Data rate: 11g 18M (worst case)
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

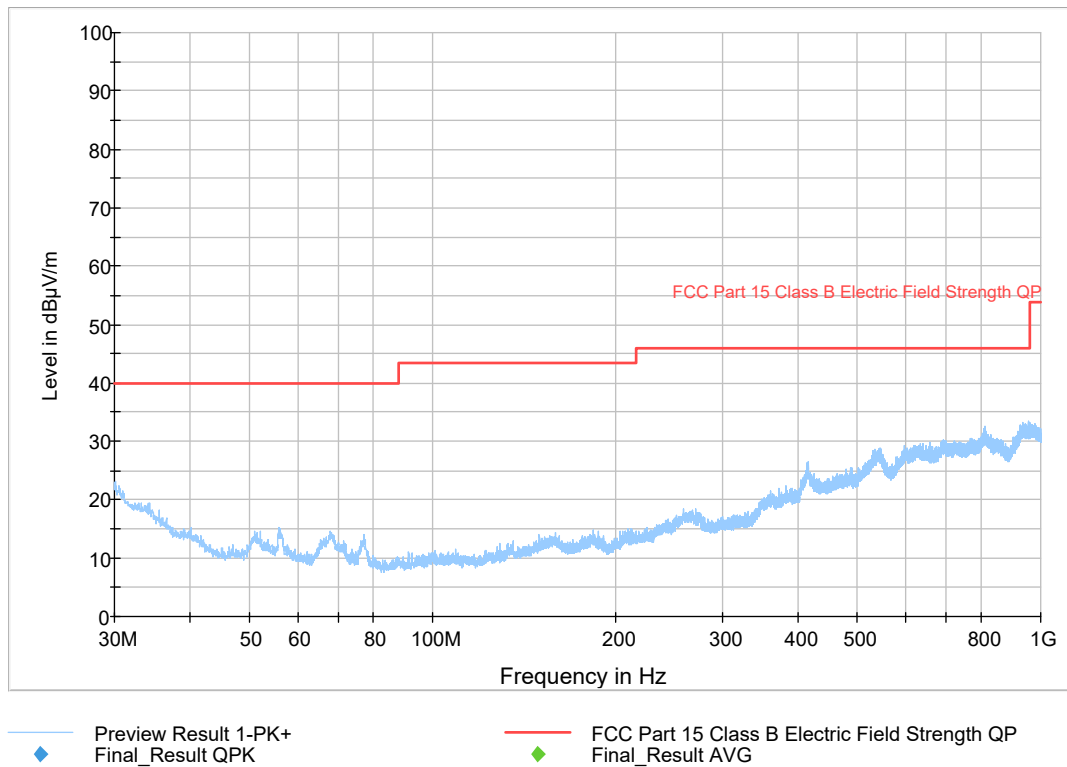
Full Spectrum



— Preview Result 1-PK+
 — FCC Part 15 9kHz-30MHz
 ◆ Final_Result QPK
 ◆ Final_Result A

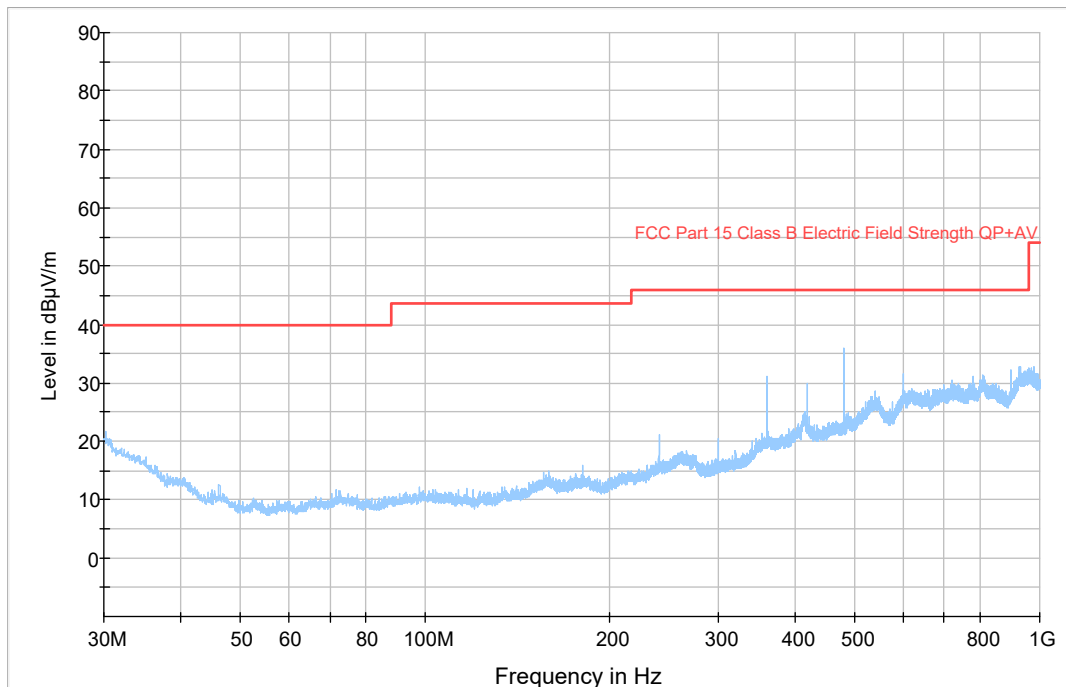
Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: 11g 18M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: 11g 18M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



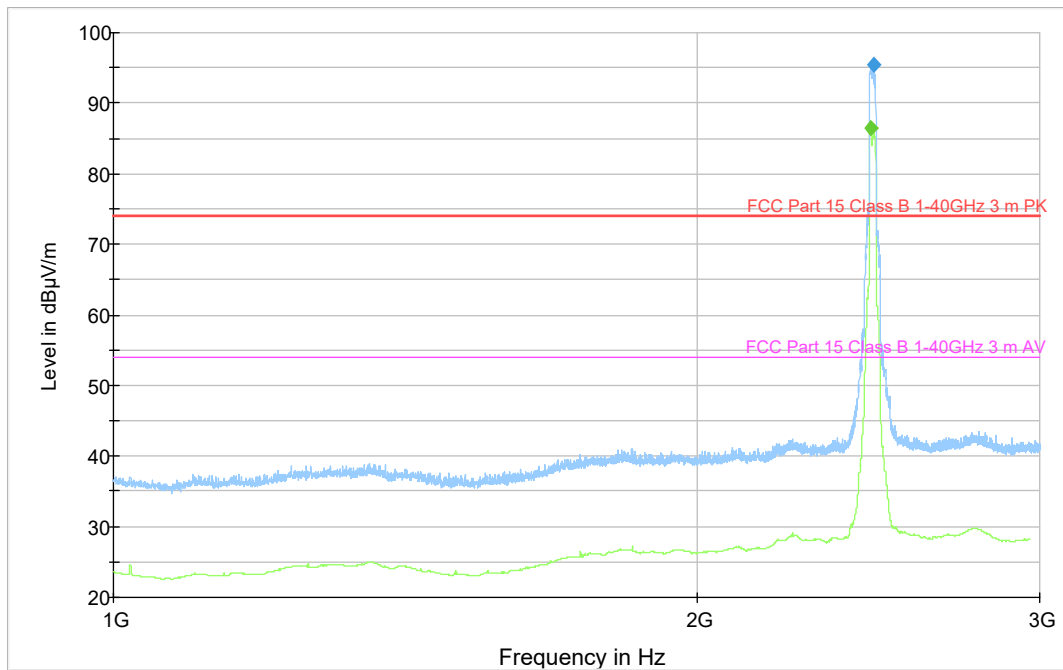
◆ Preview Result 1-PK+
Final_Result QPK

◆ FCC Part 15 Class B Electric Field Strength QP
Final_Result AVG



Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: 11g 18M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



— Preview Result 2-AVG — Preview Result 1-PK+
— FCC Part 15 Class B 1-40GHz 3 m PK — FCC Part 15 Class B 1-40GHz 3 m AV
◆ Final_Result PK+ ◆ Final_Result AVG

Final Result

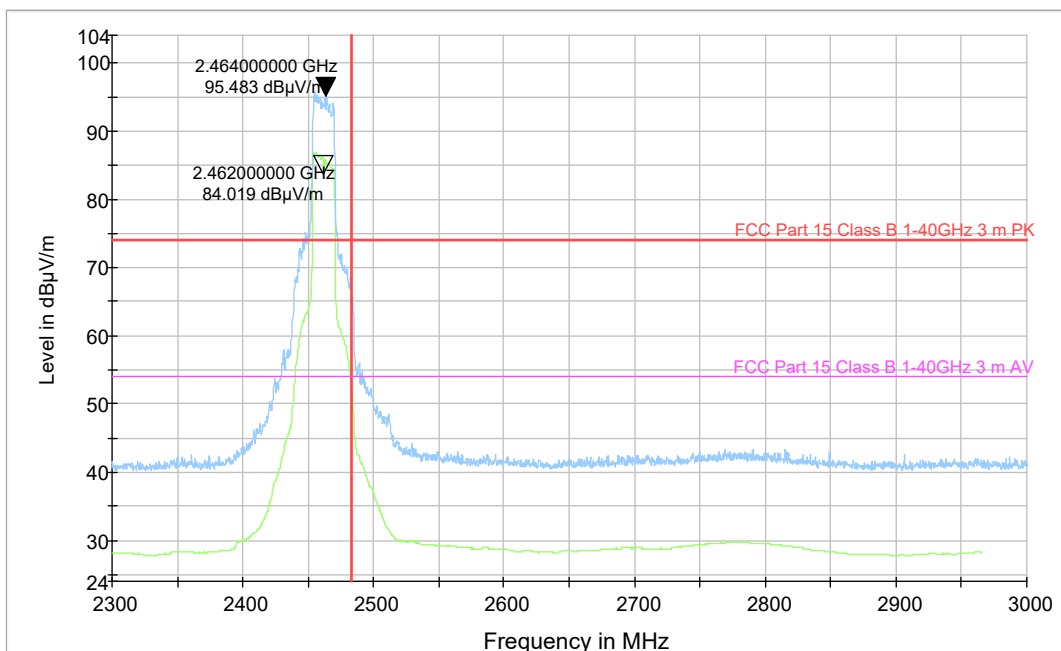
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2457.750000	---	86.37	54.00	---	300.0	1000.000	150.0	V	0.0
2464.000000	95.43	---	74.00	---	300.0	1000.000	150.0	V	0.0

*Peaks out of limits are due to Wi-Fi carrier (exclusion band).
 Fundamental frequency not related to limit.*



Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: 11g 18M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2483.5MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result PK+
- Final_Result AVG

Fundamental Level

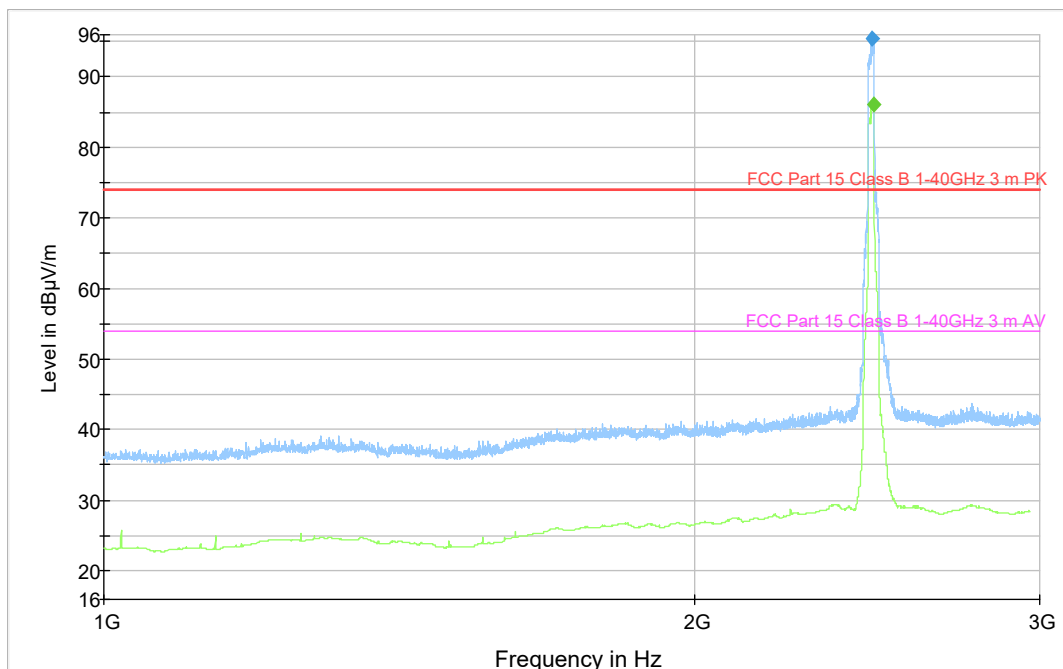
Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2464.000000	105.82	---	-13.51	3.17	95.48
2462.000000	---	94.36	-13.51	3.17	84.02

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.



Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: 11g 18M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- Final_Result PK+
- Final_Result AVG

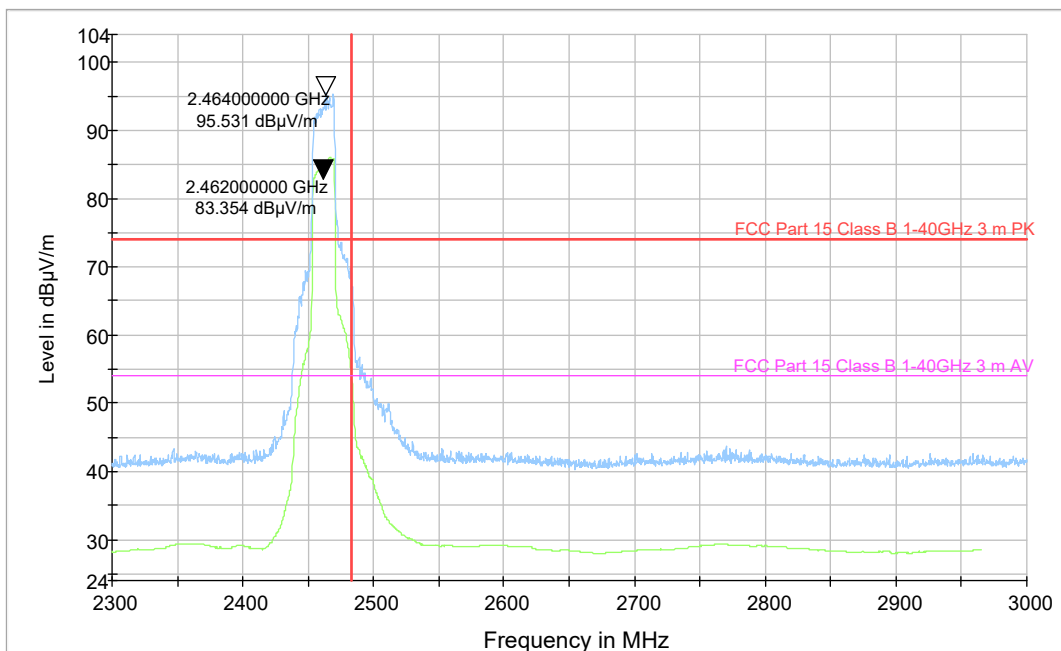
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2464.000000	95.50	---	74.00	---	1000.0	1000.000	165.0	H	90.0
2467.500000	---	86.09	54.00	---	1000.0	1000.000	165.0	H	90.0

Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: 11g 18M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- FCC Part 15 2483.5MHz
- FCC Part 15 Class B 1-40GHz 3 m PK
- FCC Part 15 Class B 1-40GHz 3 m AV
- ◆ Final_Result PK+
- ◆ Final_Result AVG

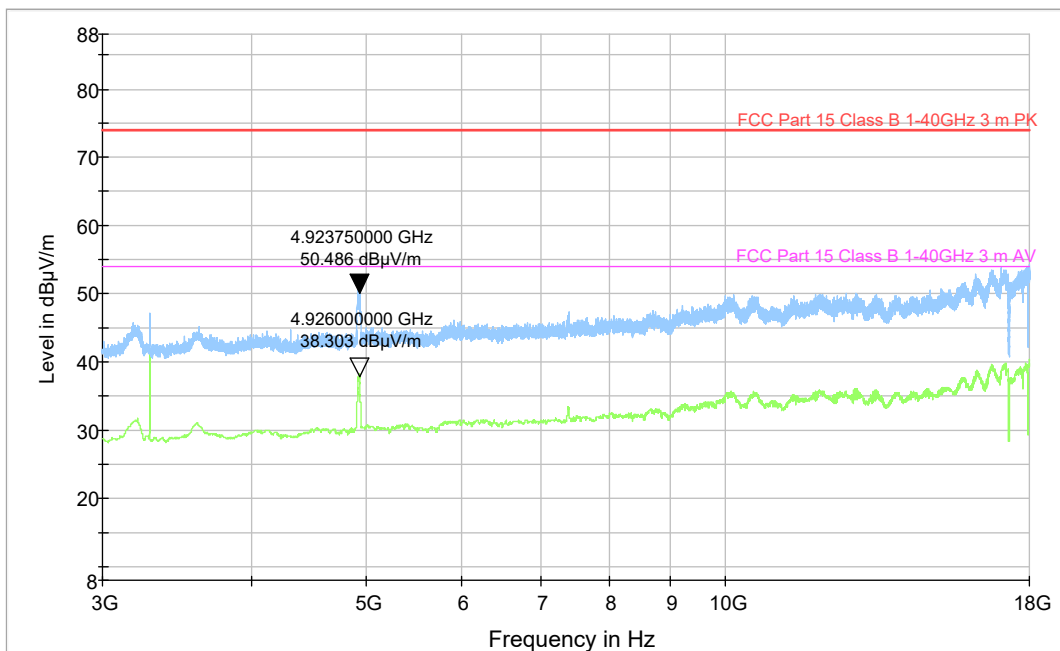
Fundamental Level









Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2464.000000	105.87	---	-13.51	3.17	95.53
2462.000000	---	93.69	-13.51	3.17	83.35

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 3GHz -18GHz
Data rate: 11g 18M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



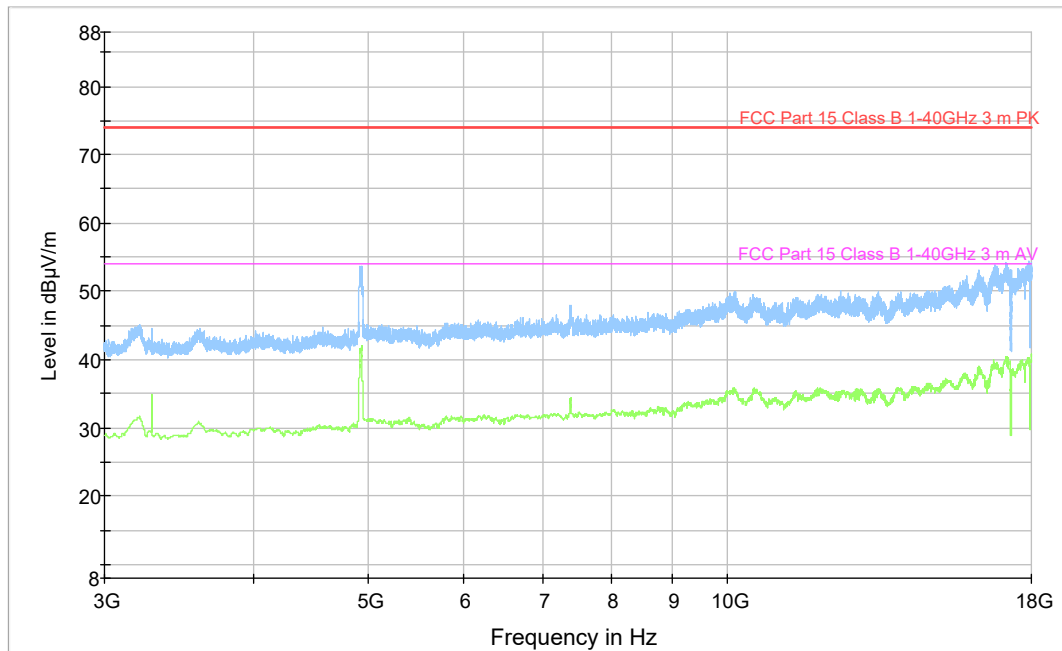
 Preview Result 2-AVG	 Preview Result 1-PK+
 Critical_Freqs AVG	 Critical_Freqs PK+
 FCC Part 15 Class B 1-40GHz 3 m PK	 FCC Part 15 Class B 1-40GHz 3 m AV
 Final_Result PK+	 Final_Result AVG









Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4923.750000	50.48	---	74.00	23.52	1000.0	1000.000	120.0	V	0.0
4926.000000	---	38.30	54.00	15.70	1000.0	1000.000	120.0	V	0.0

Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 3GHz -18GHz
Data rate: 11g 18M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

Full Spectrum



- | | |
|--|--|
|  Preview Result 2-AVG |  Preview Result 1-PK+ |
|  Critical_Freqs AVG |  Critical_Freqs PK+ |
|  FCC Part 15 Class B 1-40GHz 3 m PK |  FCC Part 15 Class B 1-40GHz 3 m AV |
|  Final_Result PK+ |  Final_Result AVG |