

Test Plots

IN24FO3U 001

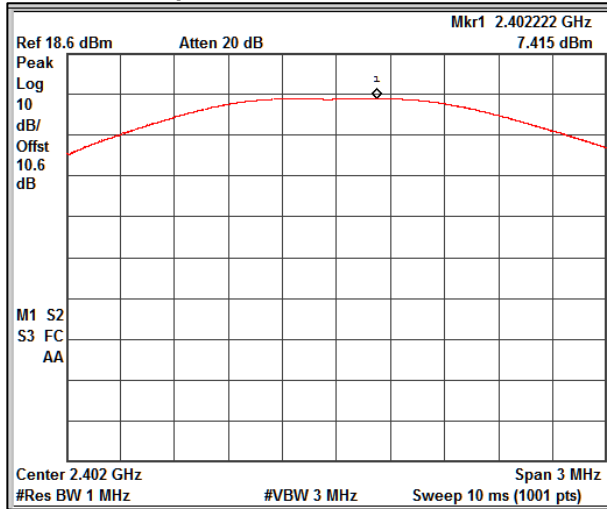
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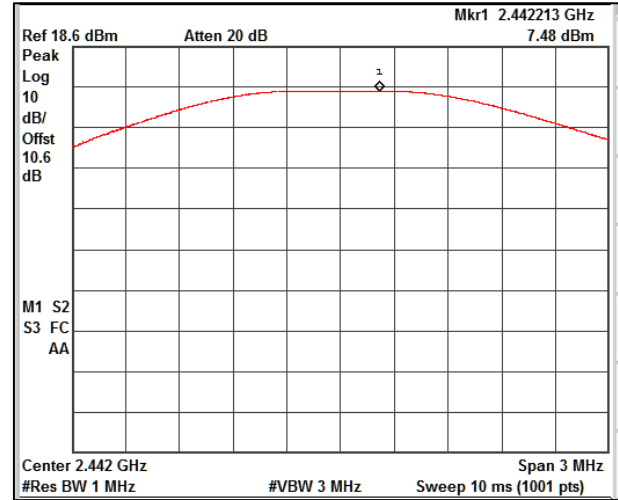
1. Test Plots BLE

1.1 Conducted Output Power

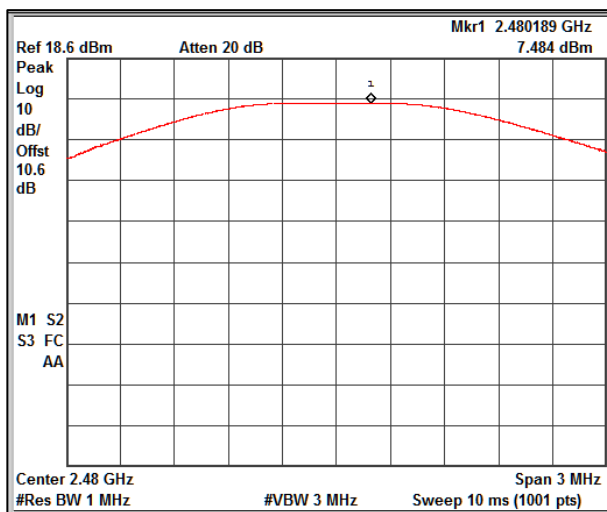
Data Rate: 1Mbps



Channel Frequency: 2402MHz

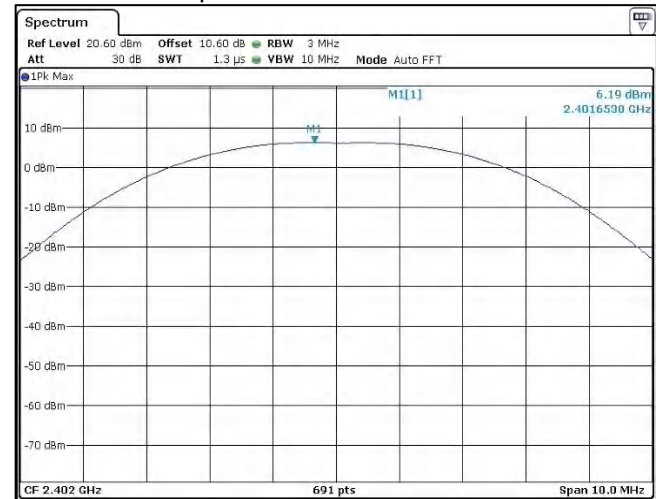


Channel Frequency: 2442MHz



Channel Frequency: 2480MHz

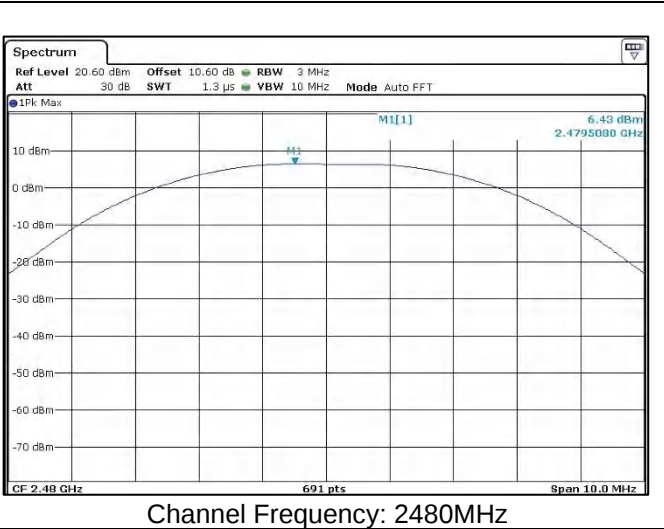
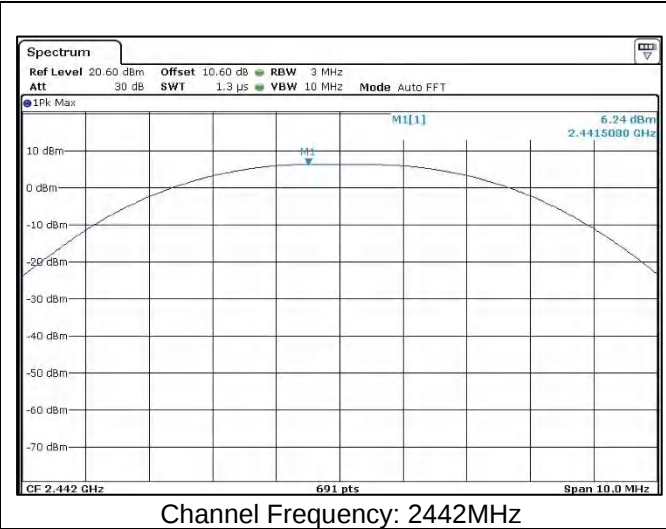
Data Rate: 2Mbps



Channel Frequency: 2402MHz

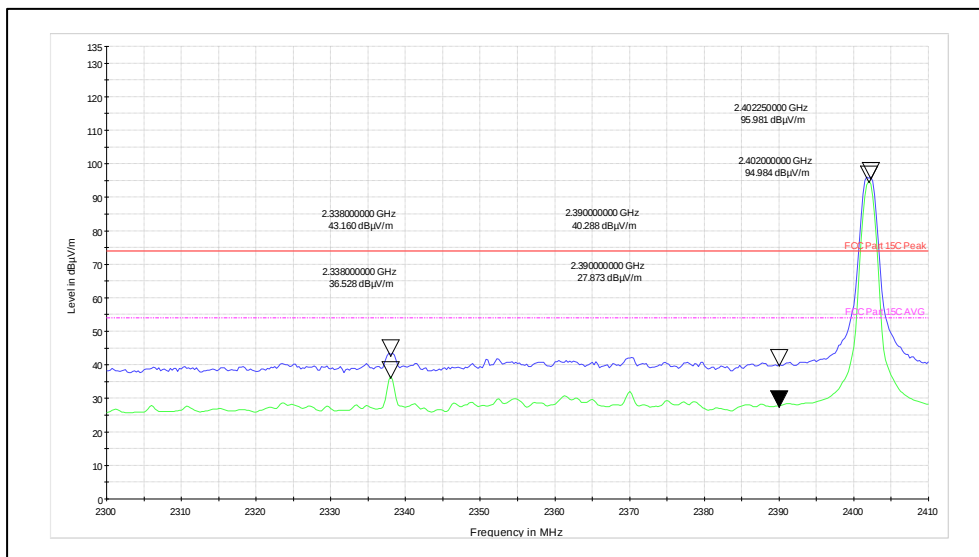
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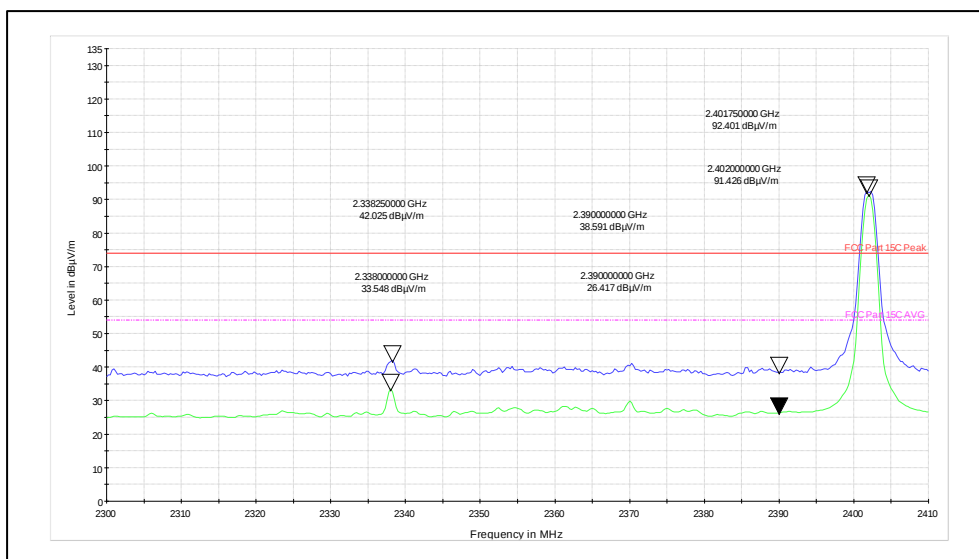


1.2 Restricted Bands of Operation

Channel Frequency: 2402MHz



Antenna Polarization: Vertical



Antenna Polarization: Horizontal

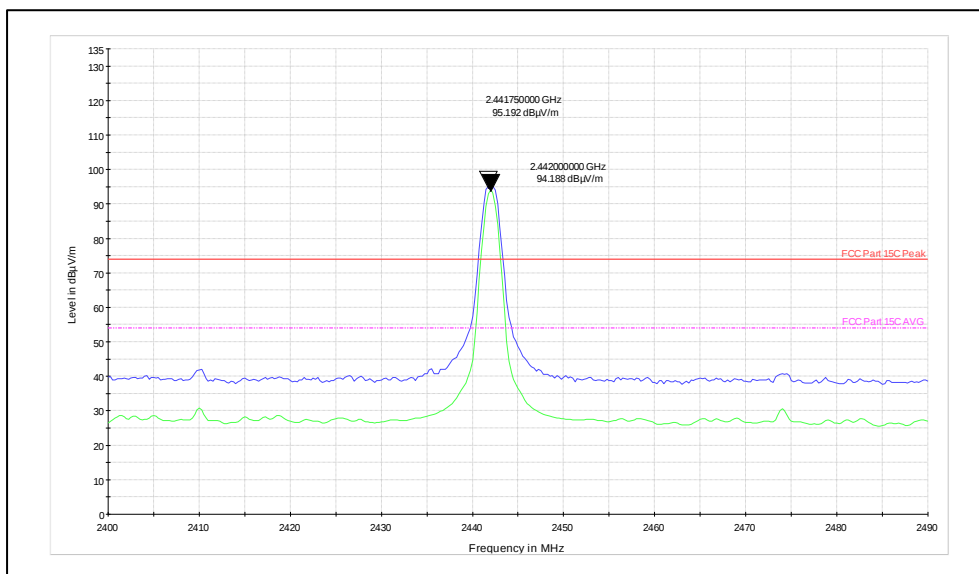
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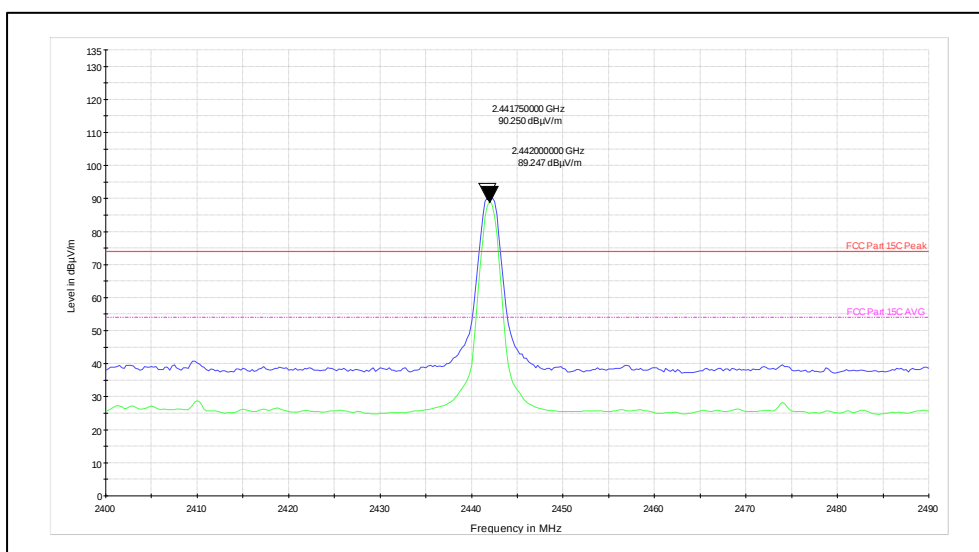
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Channel Frequency: 2442MHz



Antenna Polarization: Vertical



Antenna Polarization: Horizontal

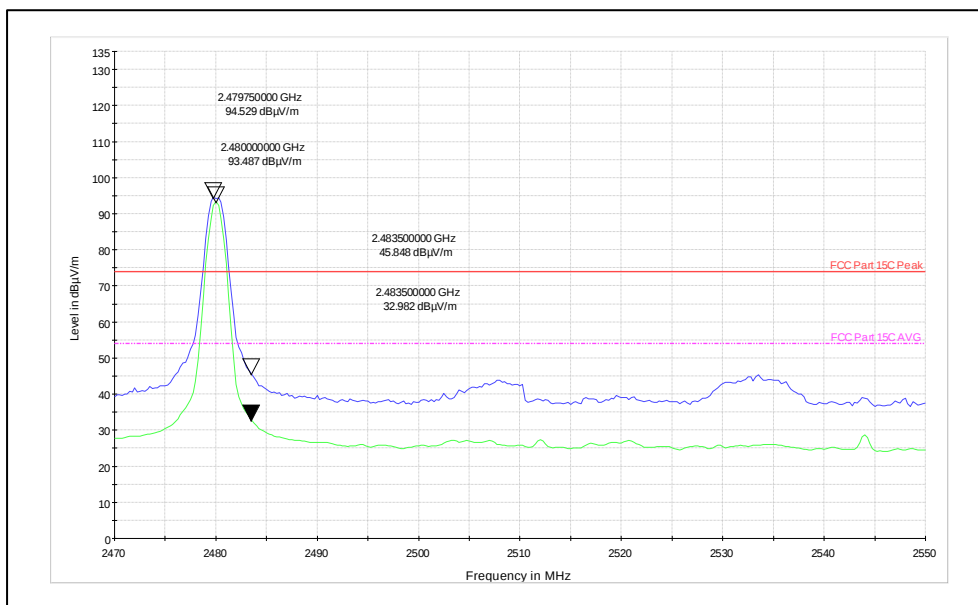
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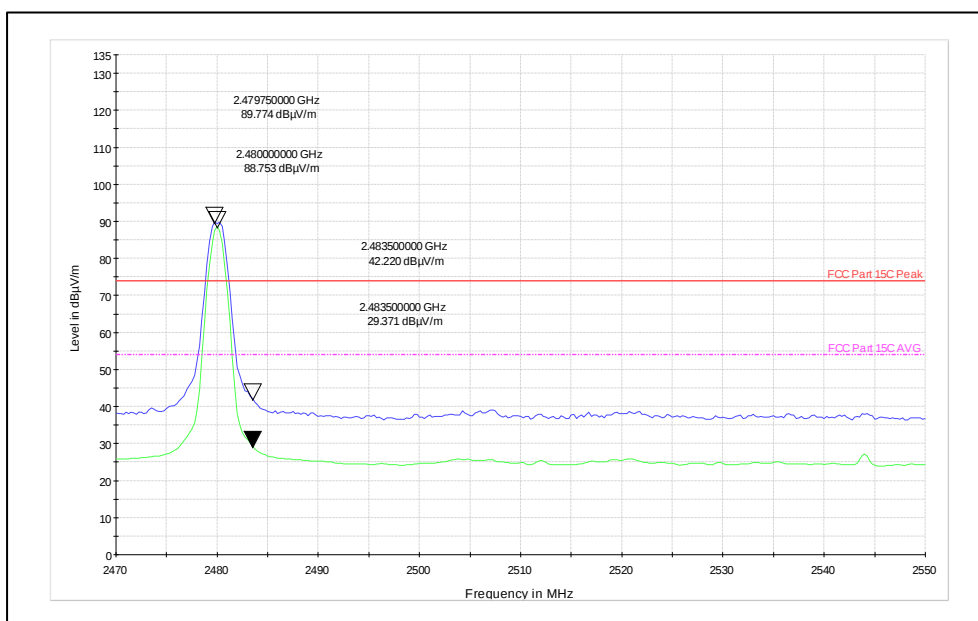
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Channel Frequency: 2480MHz



Antenna Polarization: Vertical



Antenna Polarization: Horizontal

Test Plots

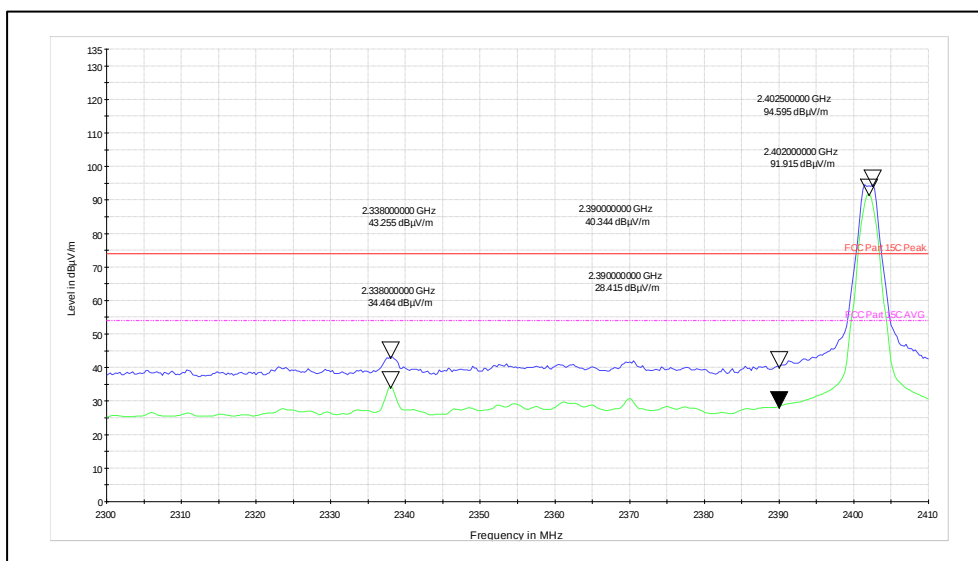
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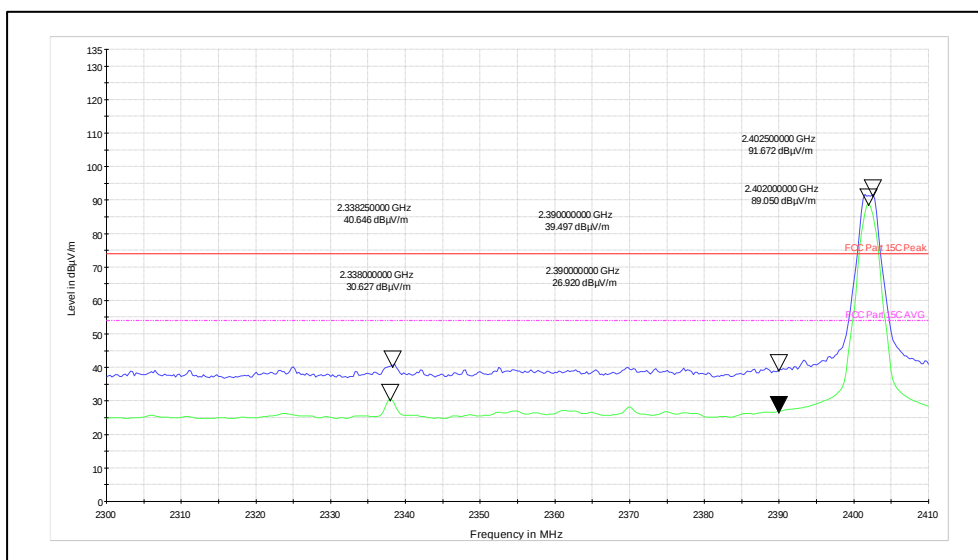
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Data Rate: 2Mbps

Channel Frequency: 2402MHz



Antenna Polarization: Vertical



Antenna Polarization: Horizontal

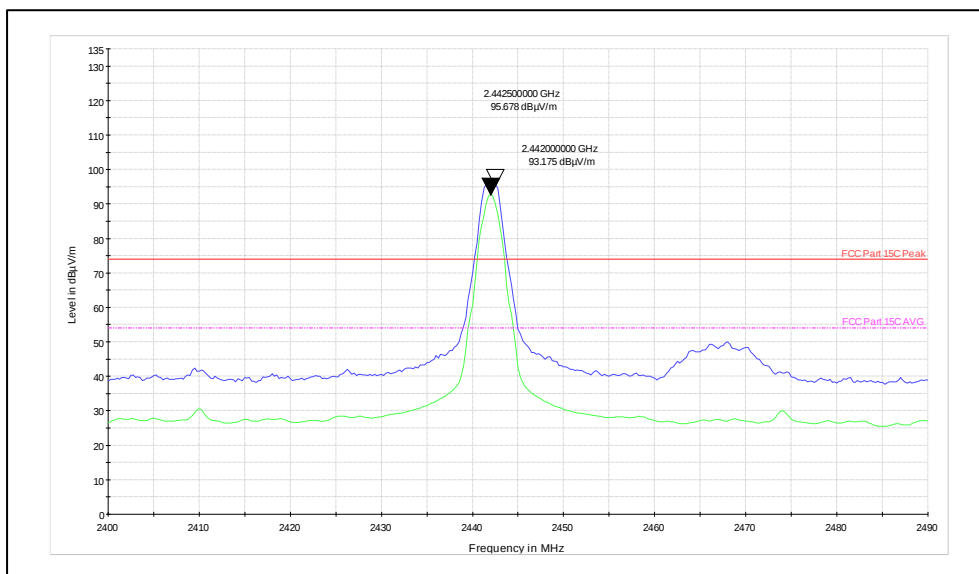
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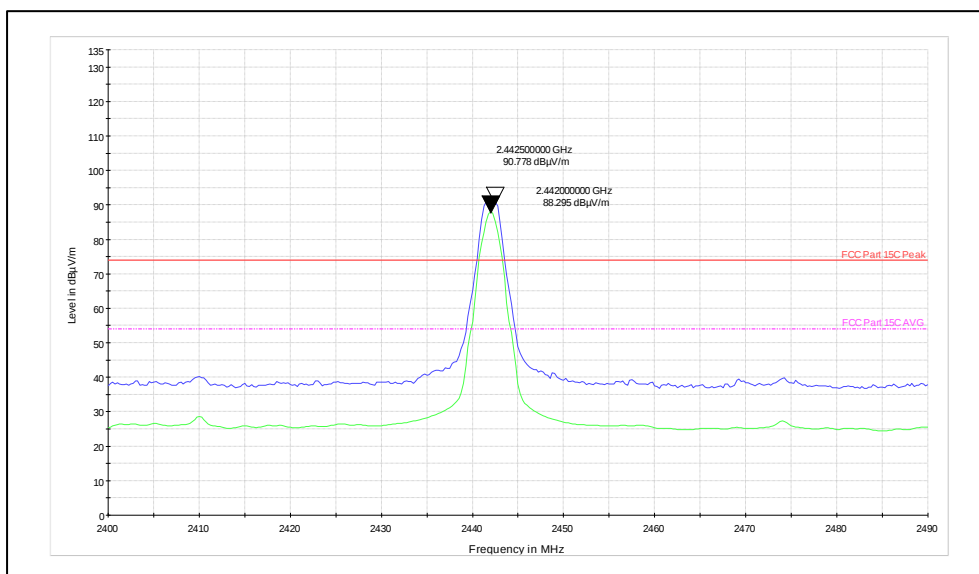
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Channel Frequency: 2442MHz



Antenna Polarization: Vertical



Antenna Polarization: Horizontal

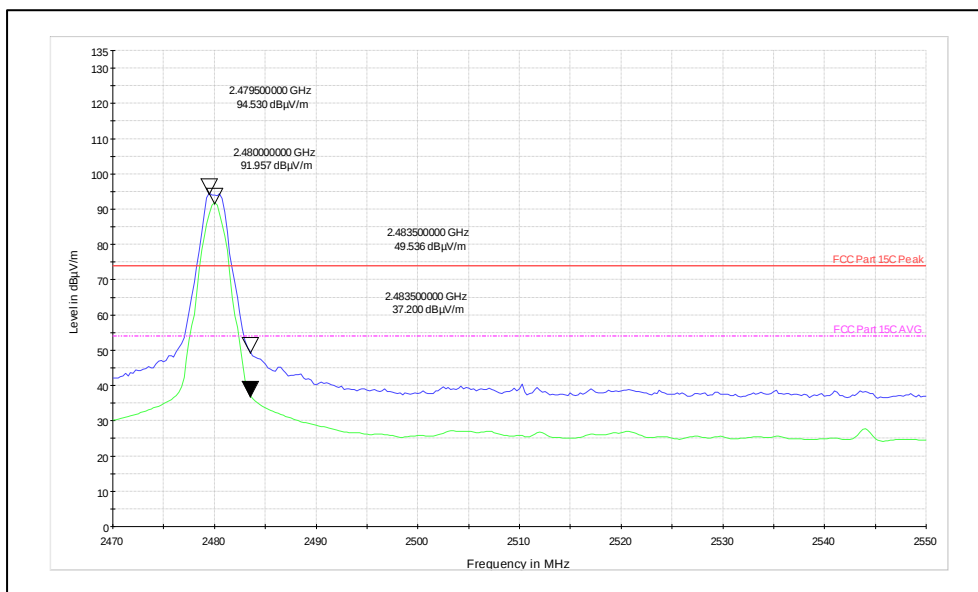
Test Plots

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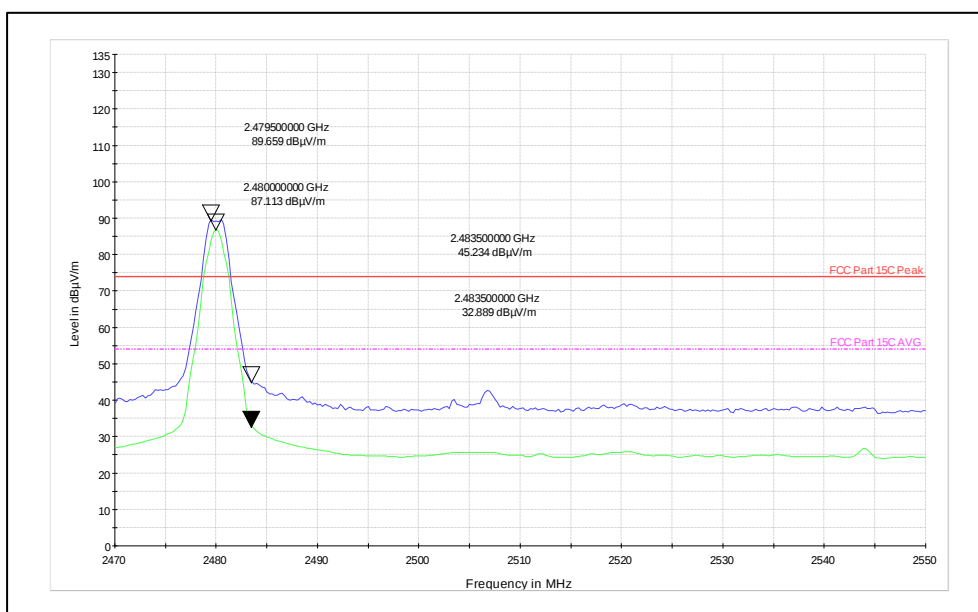
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Channel Frequency: 2480MHz



Antenna Polarization: Vertical



Antenna Polarization: Horizontal

Test Plots

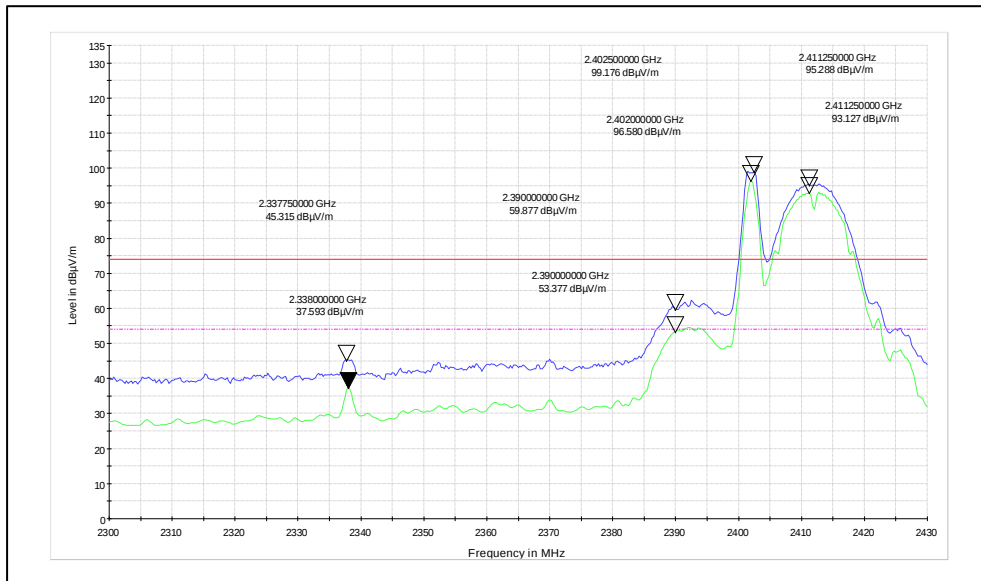
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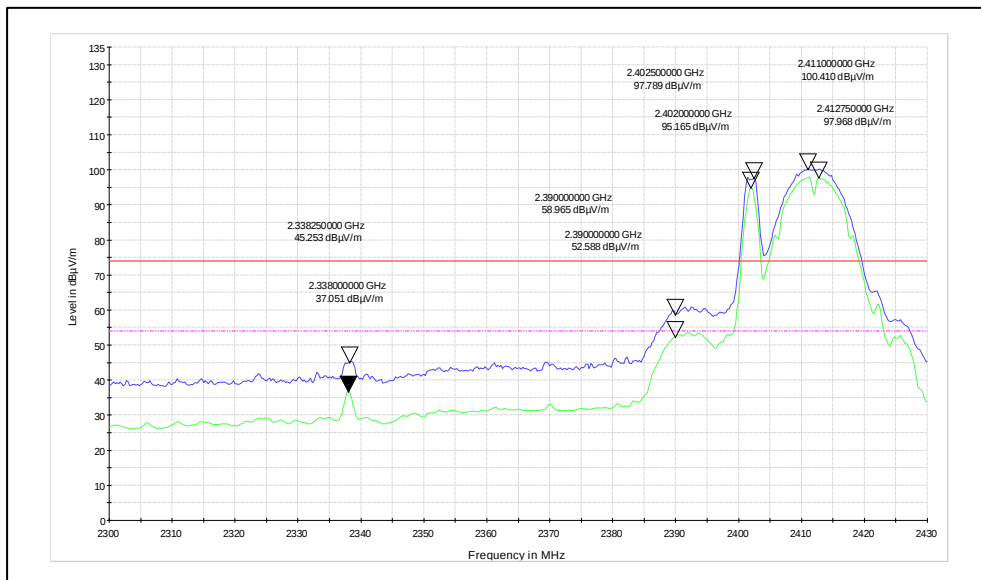
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Test Plots for simultaneous Operation:

Channel Frequency of BLE 2402MHz & Wi-Fi 2.4GHz of 2412MHz



Polarization: Vertical



Polarization: Horizontal

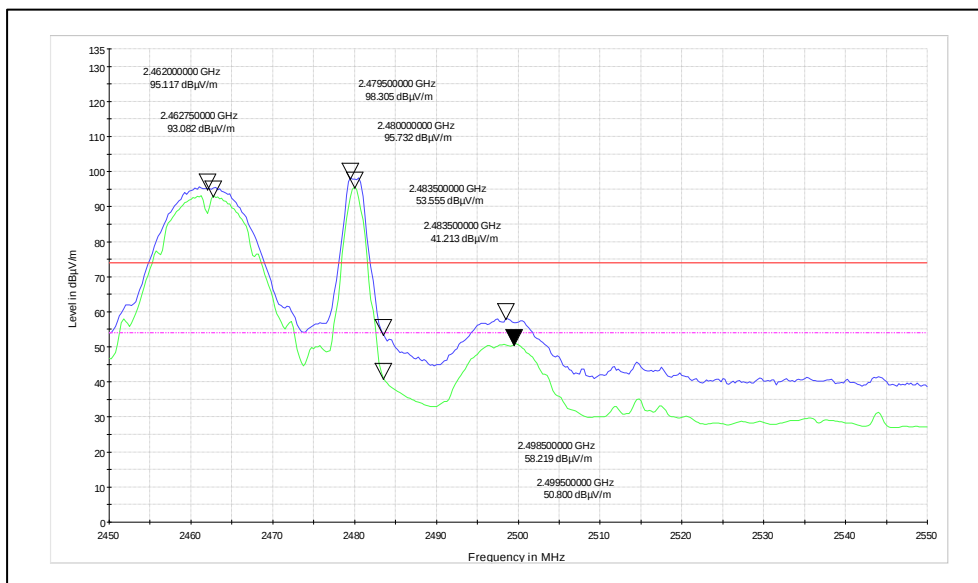
Test Plots

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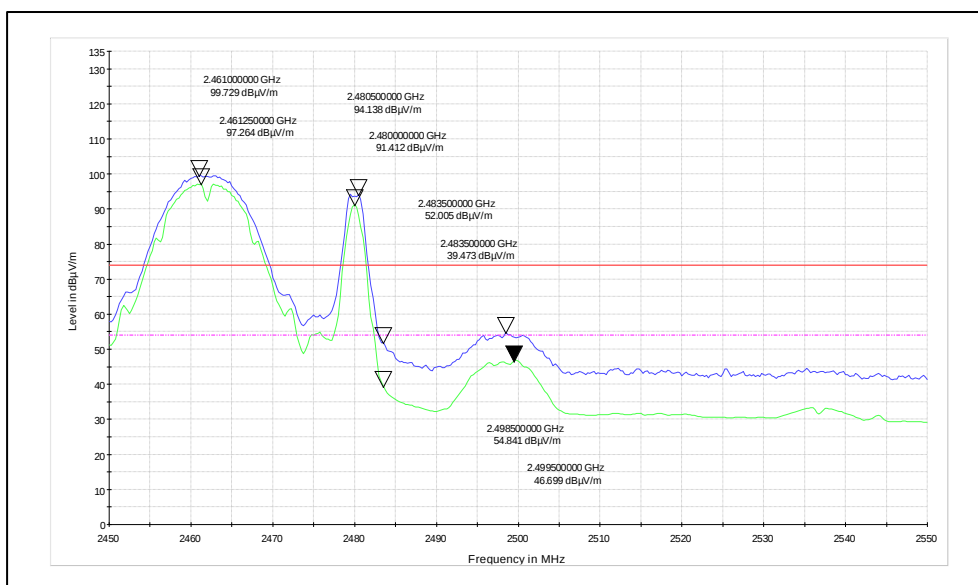
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Channel Frequency of BLE 2480MHz & Wi-Fi 2.4GHz of 2462MHz



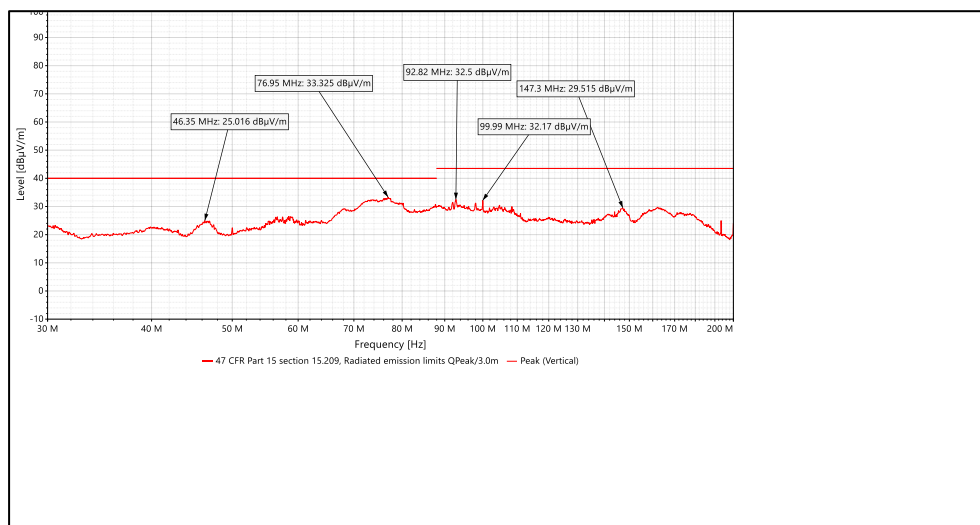
Polarization: Vertical



Polarization: Horizontal

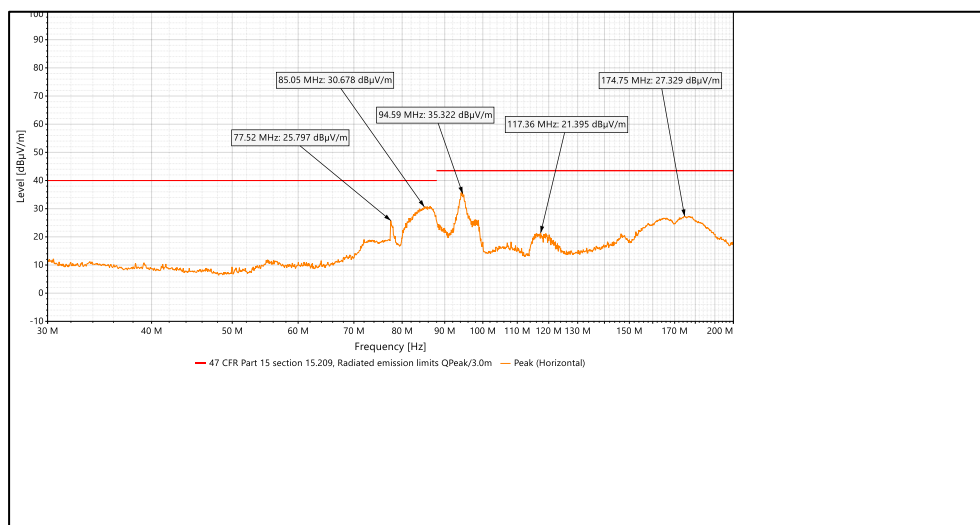
1.3 Spurious Radiated Emission

Test results for frequency range 30MHz – 200MHz



Frequency range: 30MHz to 200MHz

Polarization: Vertical



Frequency range: 30MHz to 200MHz

Polarization: Horizontal

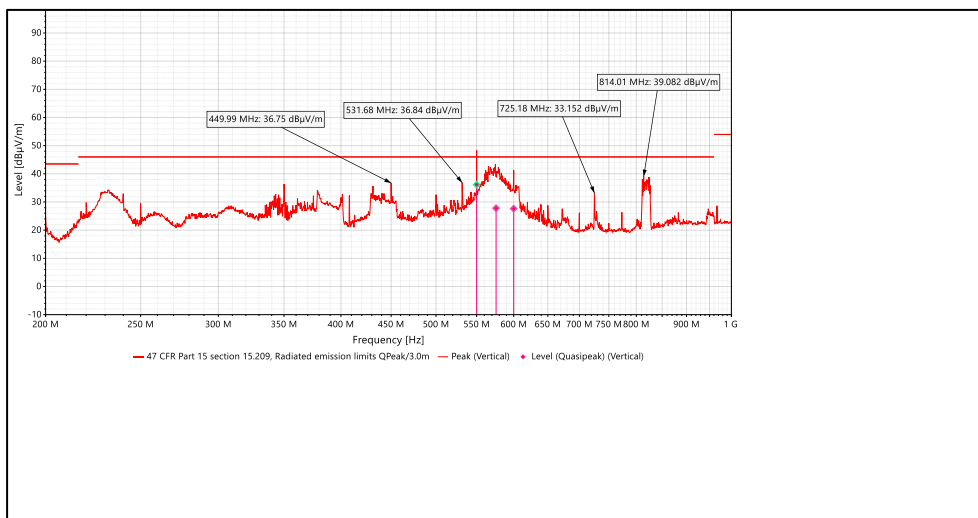
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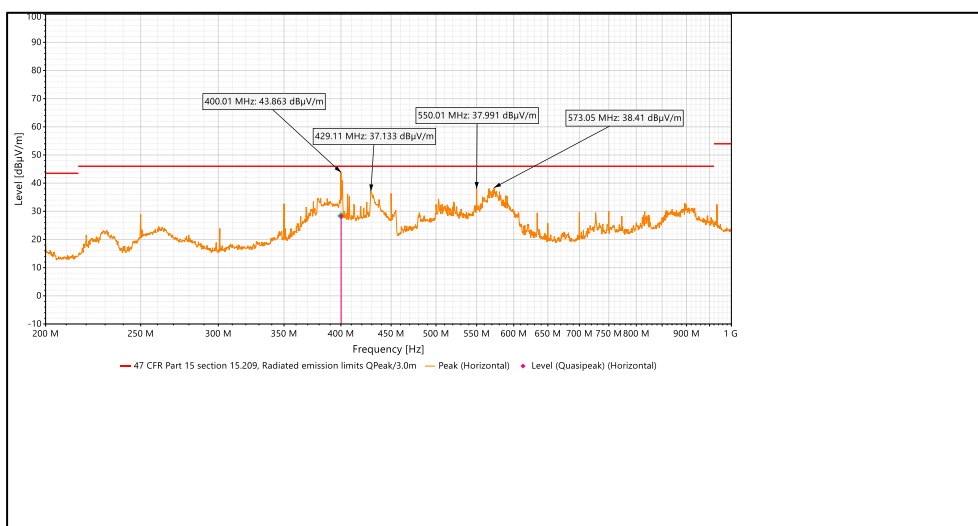
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Test results for frequency range 200MHz – 1GHz



Frequency range: 200MHz to 1GHz

Polarization: Vertical



Frequency range: 200MHz to 1GHz

Polarization: Horizontal

Test Plots

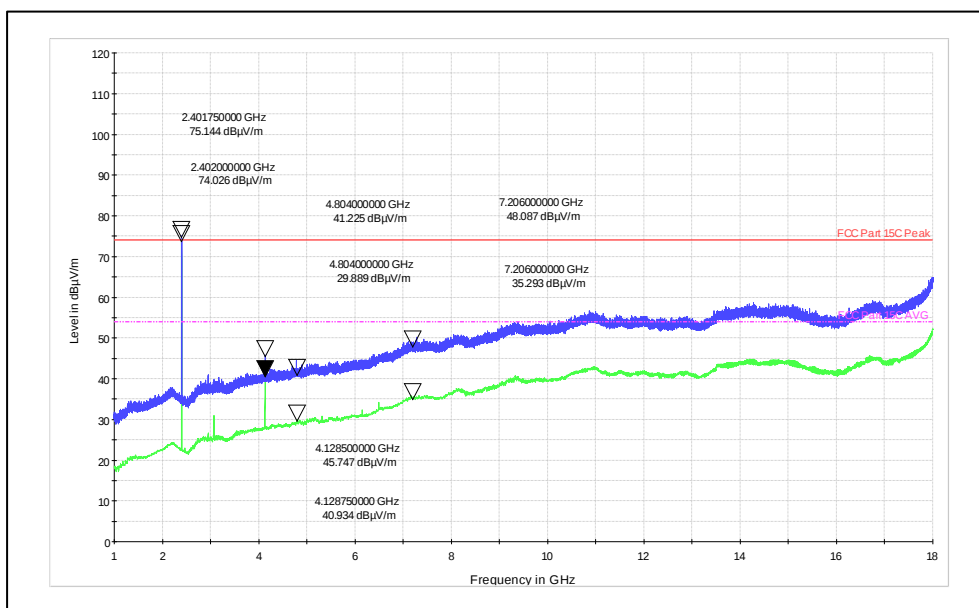
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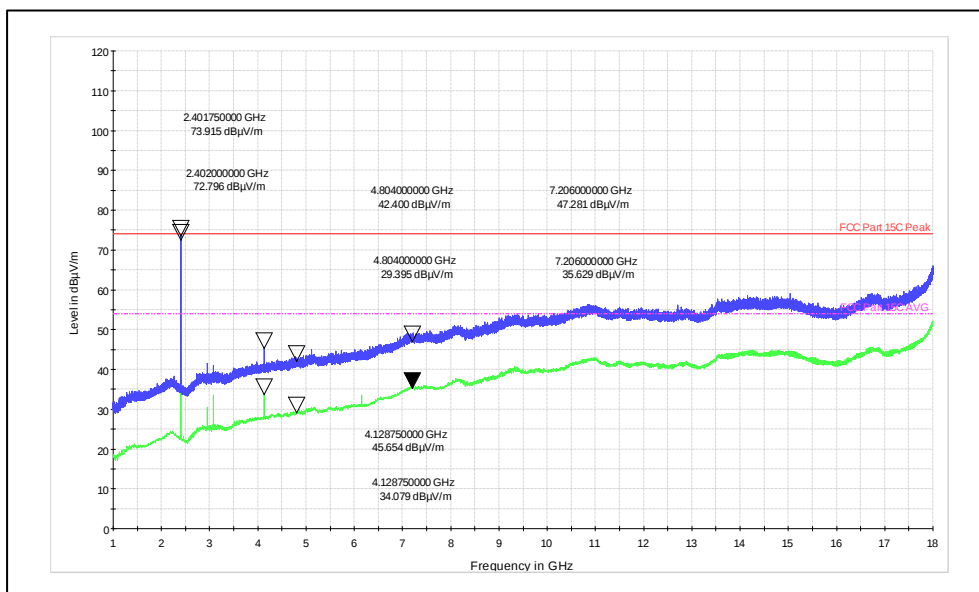
Data Rate: 1Mbps

Channel Frequency: 2402MHz



Frequency Range: 1GHz to 18GHz

Polarization: Vertical



Frequency Range: 1GHz to 18GHz

Polarization: Horizontal

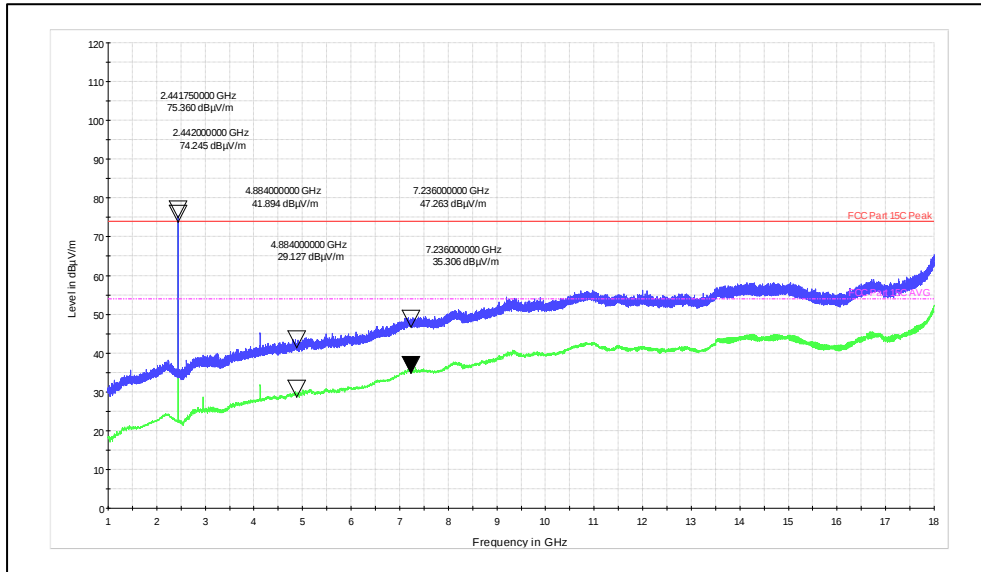
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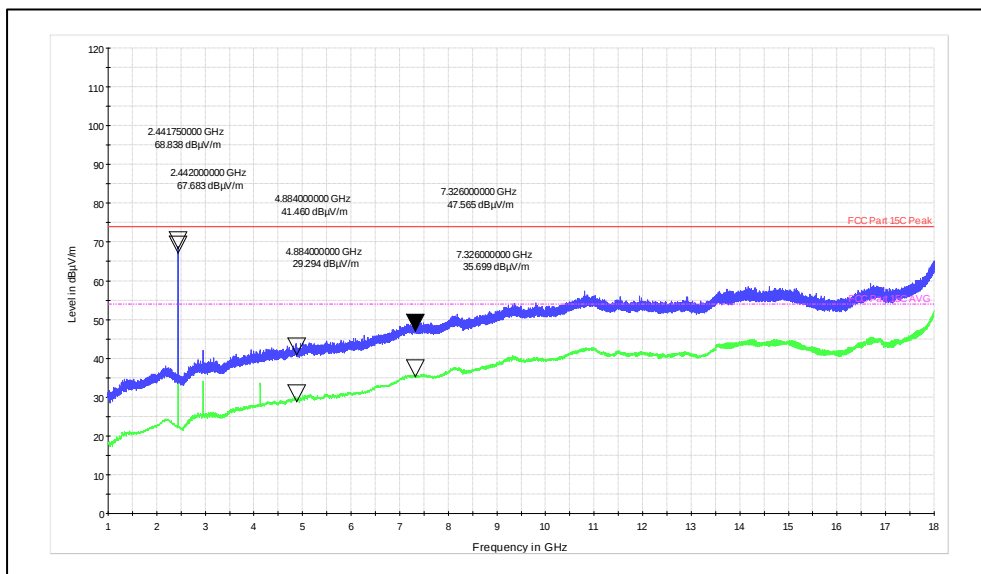
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Channel Frequency: 2442MHz



Frequency Range: 1GHz to 18GHz

Polarization: Vertical



Frequency Range: 1GHz to 18GHz

Polarization: Horizontal

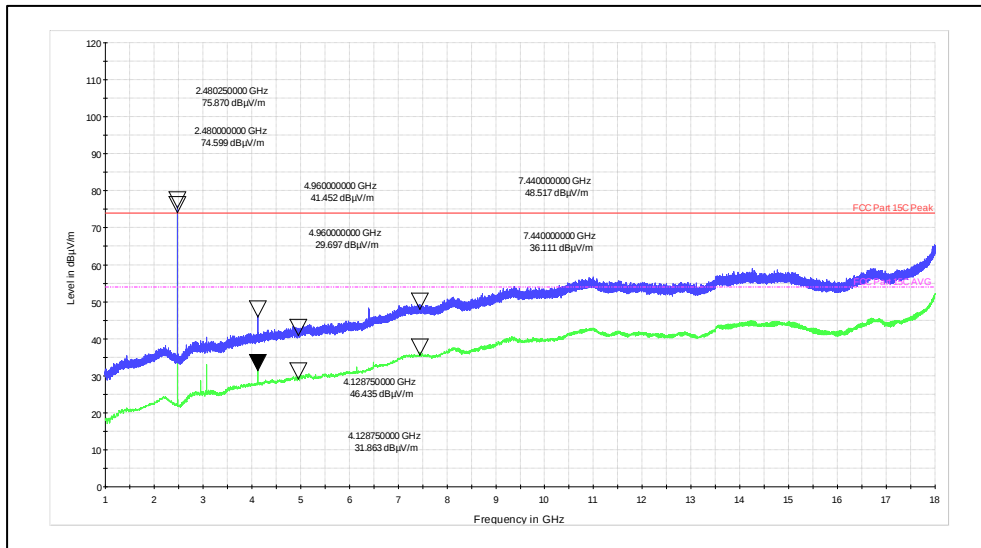
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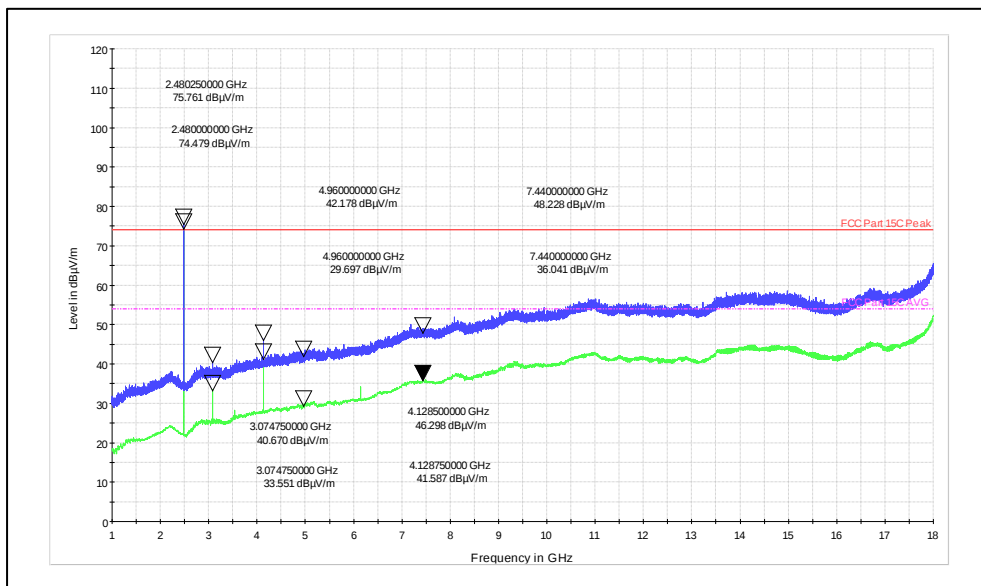
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Channel Frequency: 2480MHz



Frequency Range: 1GHz to 18GHz

Polarization: Vertical



Frequency Range: 1GHz to 18GHz

Polarization: Horizontal

Test Plots

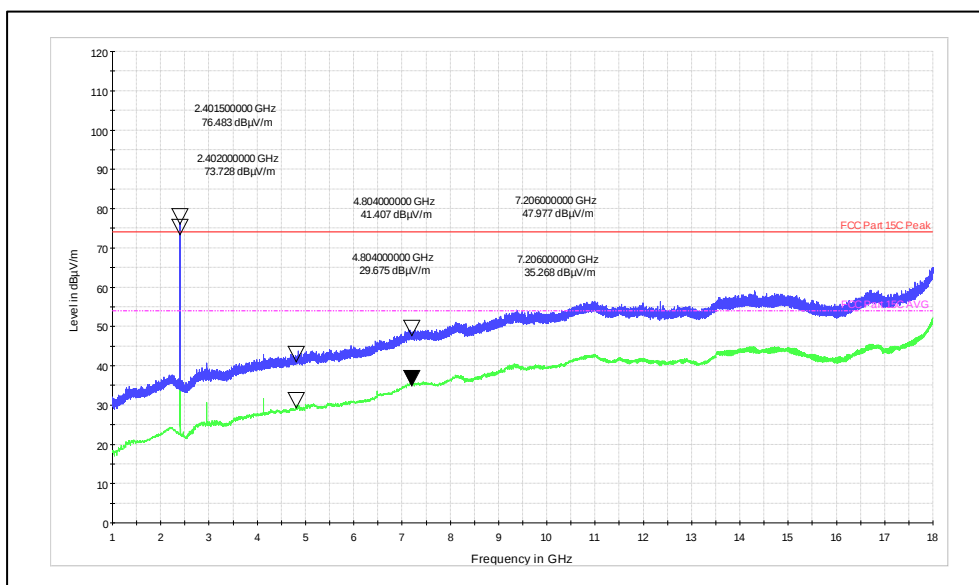
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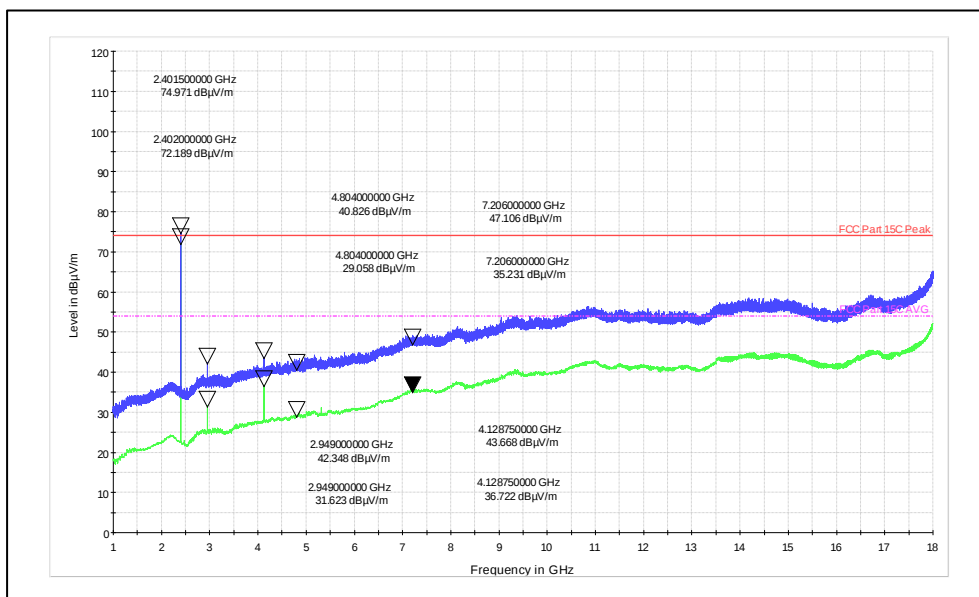
Data Rate: 2Mbps

Channel Frequency: 2402MHz



Frequency Range: 1GHz to 18GHz

Polarization: Vertical



Frequency Range: 1GHz to 18GHz

Polarization: Horizontal

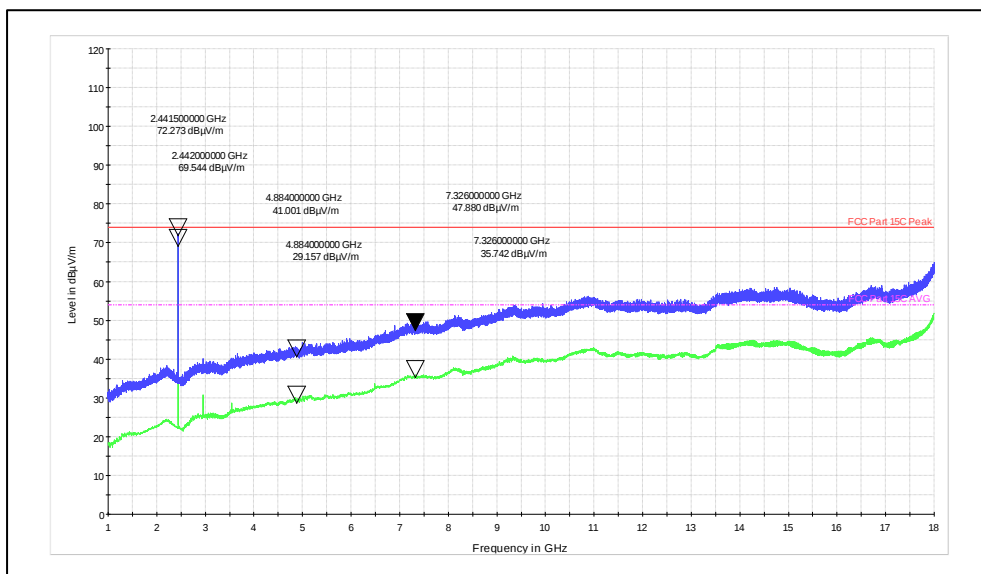
Test Plots

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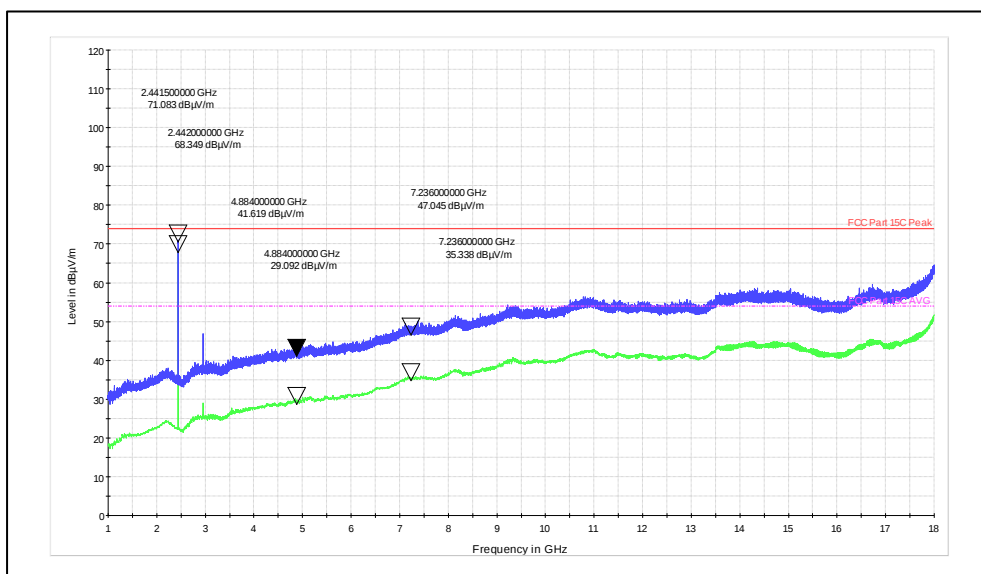
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Channel frequency: 2442MHz



Frequency Range: 1GHz to 18GHz

Polarization: Vertical



Frequency Range: 1GHz to 18GHz

Polarization: Horizontal

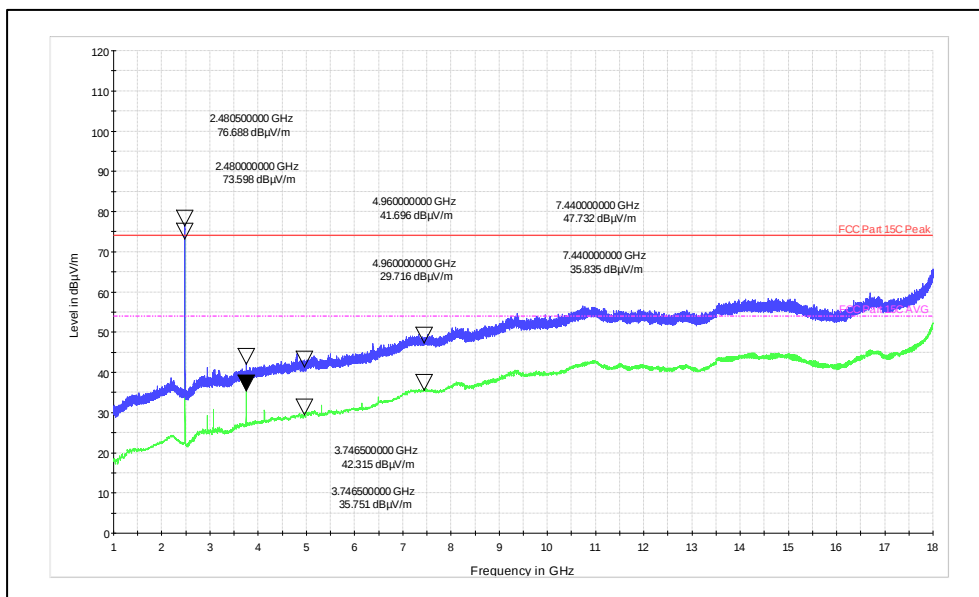
Test Plots

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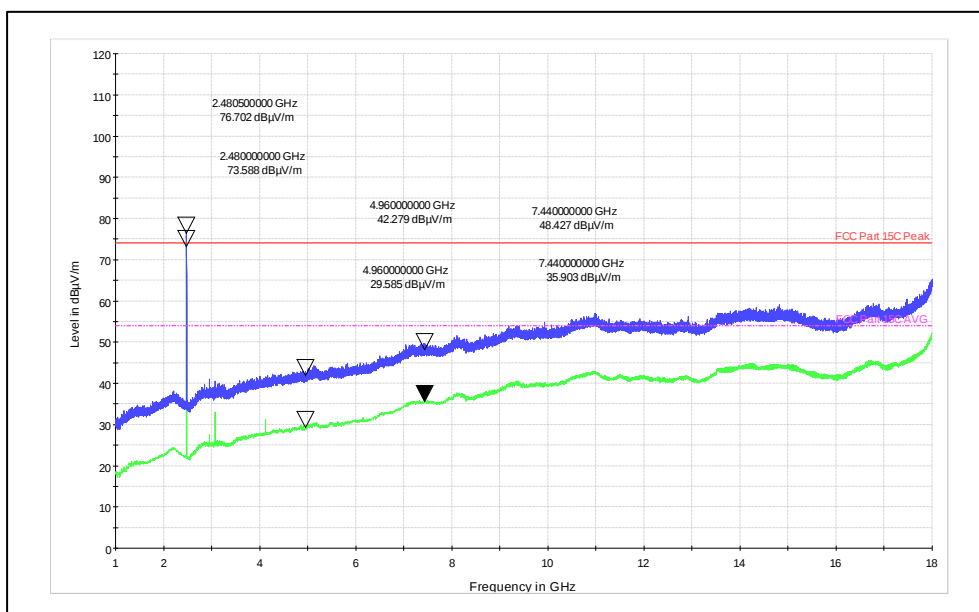
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Channel Frequency: 2480MHz



Frequency Range: 1GHz to 18GHz

Polarization: Vertical



Frequency Range: 1GHz to 18GHz

Polarization: Horizontal

Test Plots

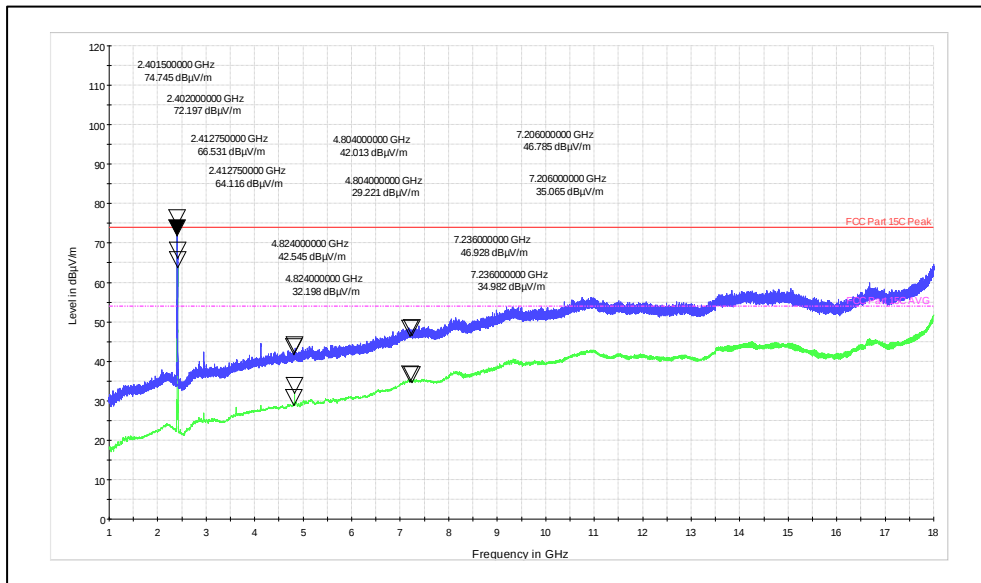
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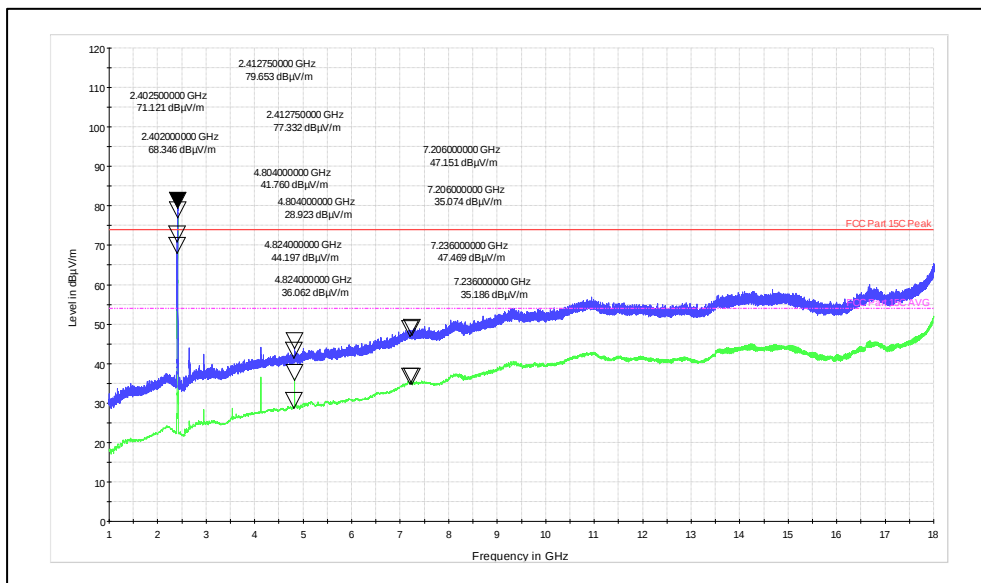
Test Plots for Simultaneous Operation:

Channel Frequency of BLE 2402MHz & Wi-Fi 2.4 GHz of 2412MHz



Frequency range: 1GHz to 18GHz

Polarization: Vertical



Frequency range: 1GHz to 18GHz

Polarization: Horizontal

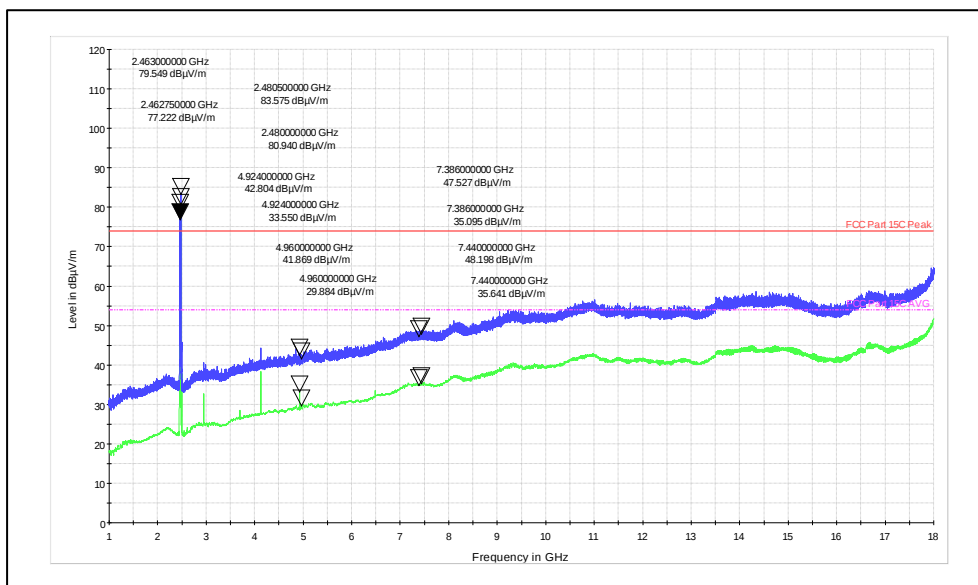
Test Plots

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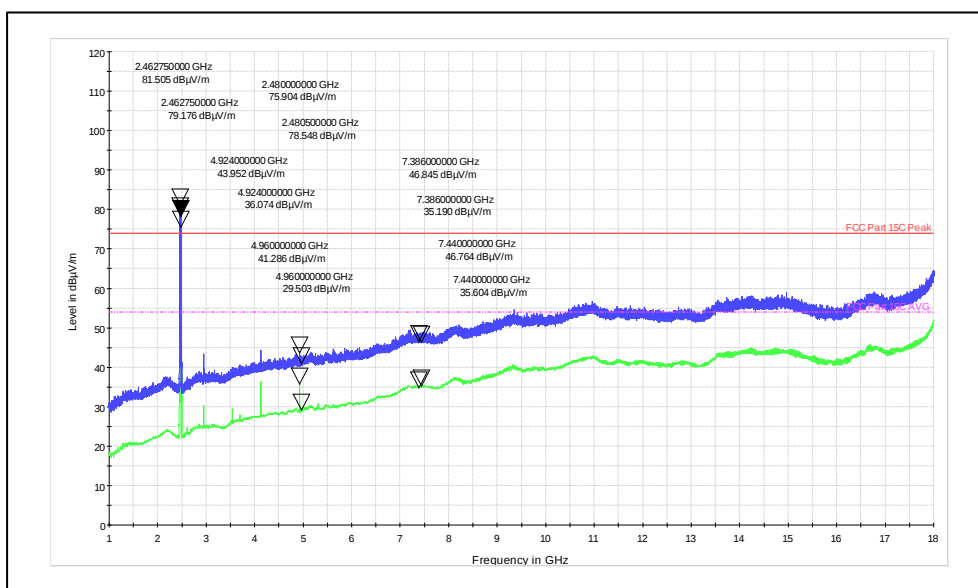
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Channel Frequency of BLE 2480MHz & Wi-Fi 2.4 GHz of 2462MHz



Frequency range: 1GHz to 18GHz

Polarization: Vertical



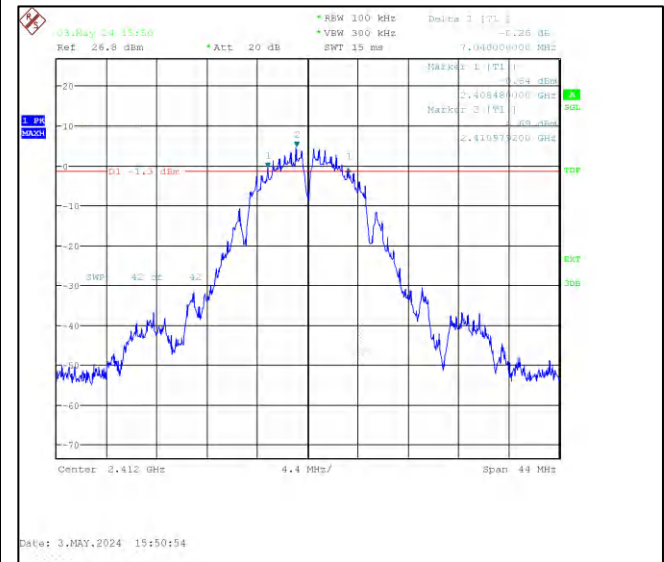
Frequency range: 1GHz to 18GHz

Polarization: Horizontal

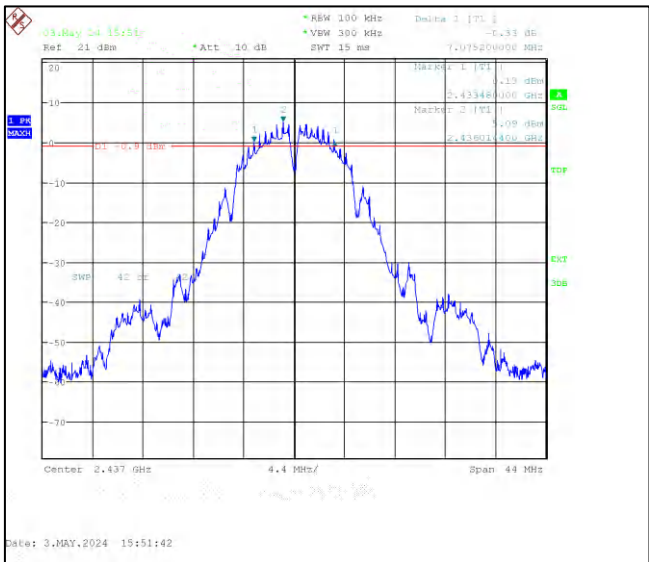
2. Test Plots Wi-Fi 2.4GHz

2.1 DTS Bandwidth

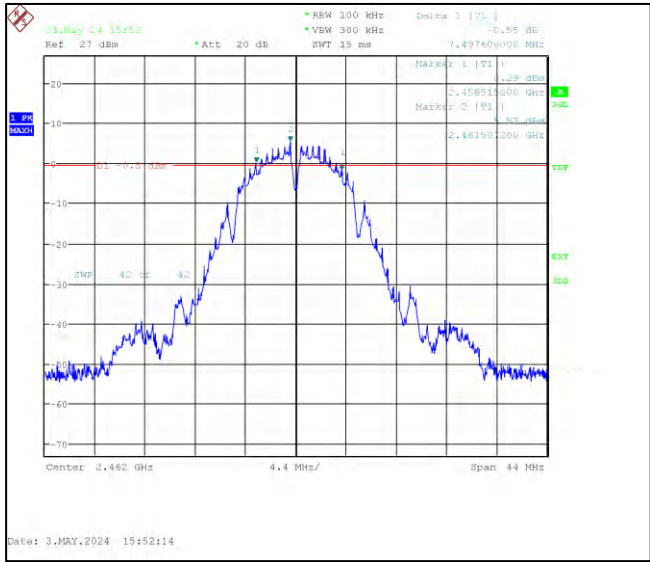
Modulation: 802.11b
Data Rate: 1Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

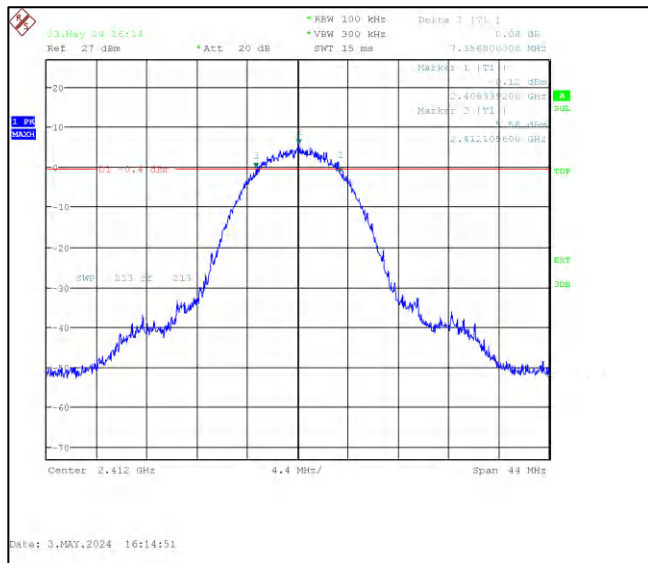
Test Plots

IN24FO3U 001

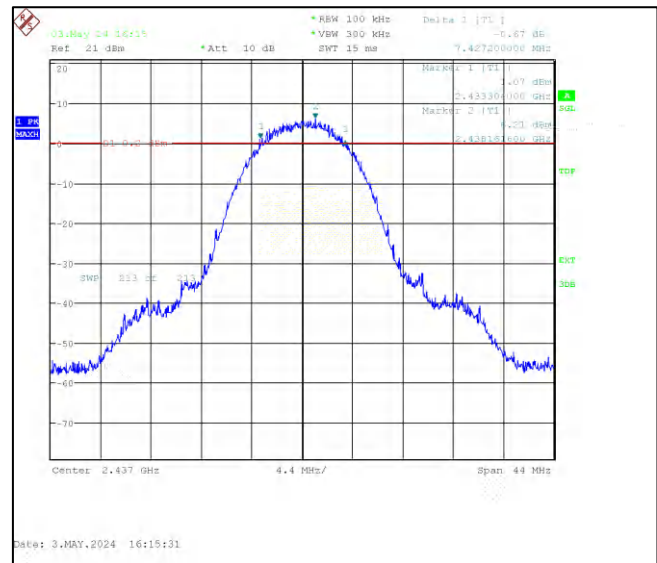
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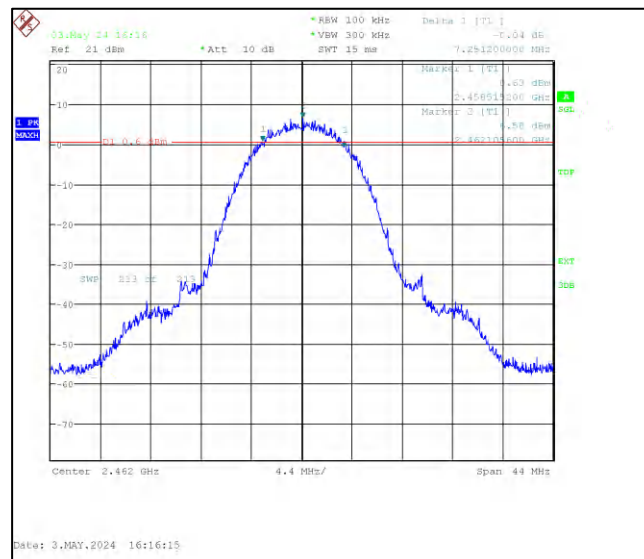
Data Rate: 11Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz

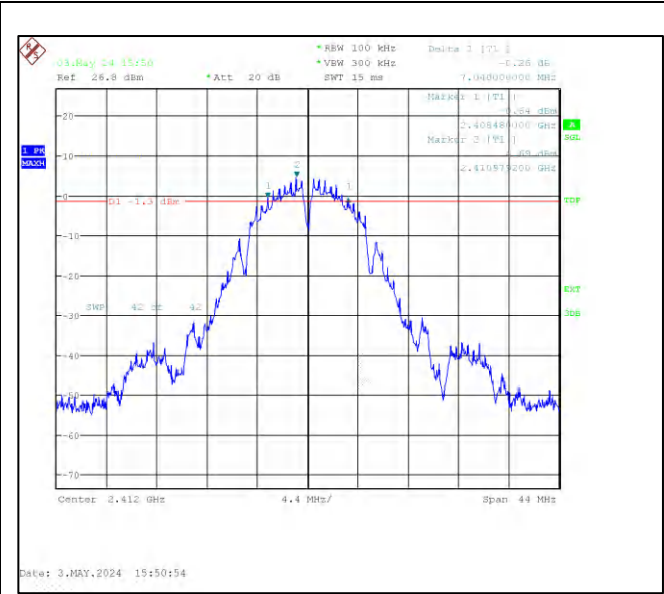


Channel Frequency: 2462MHz

Test Plots

IN24FO3U 001

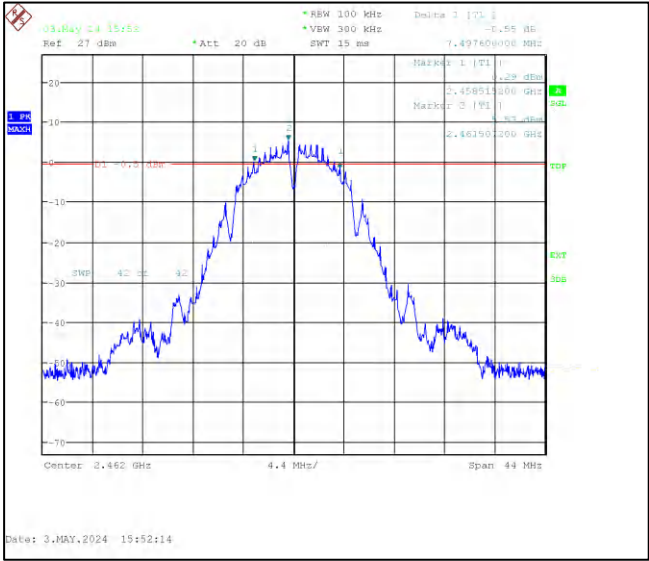
Data Rate: 11Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

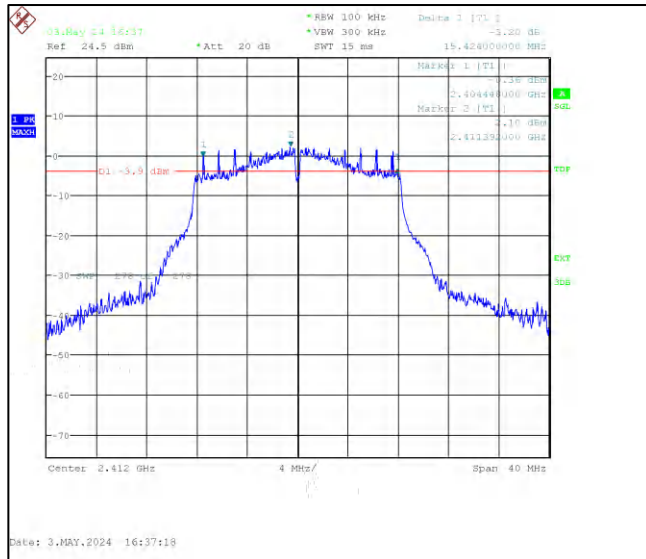
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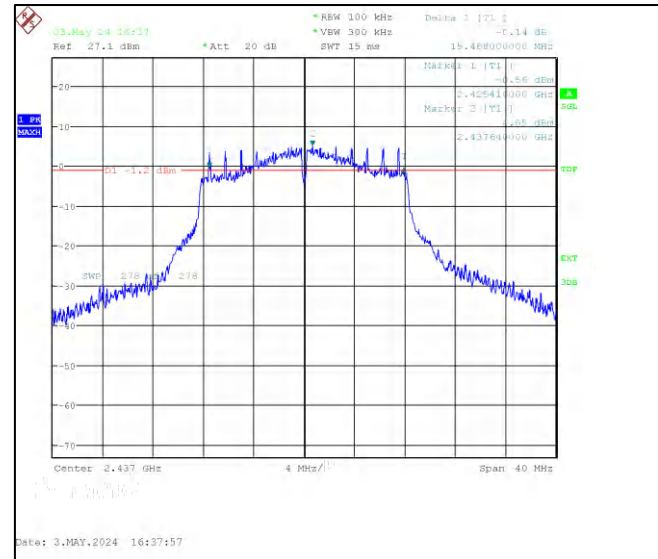
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Modulation: 802.11g

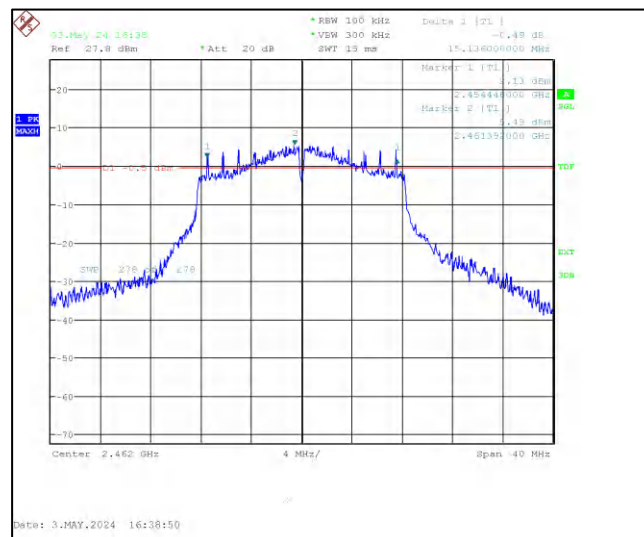
Data Rate: 6Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz

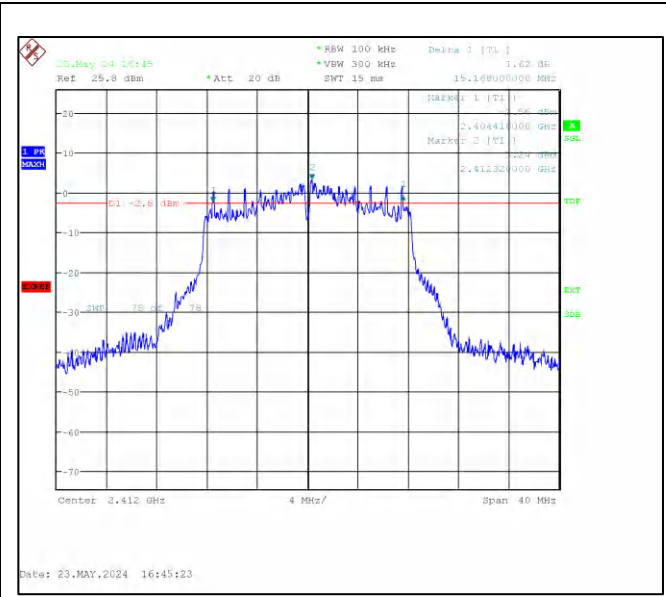


Channel Frequency: 2462MHz

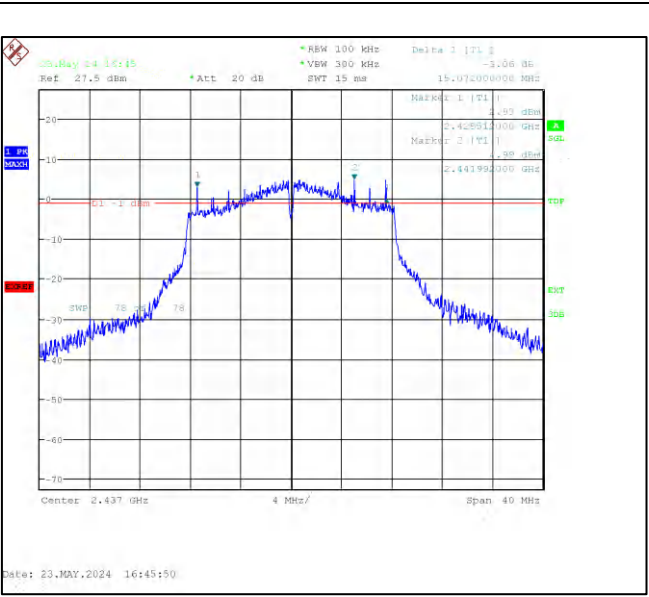
Test Plots

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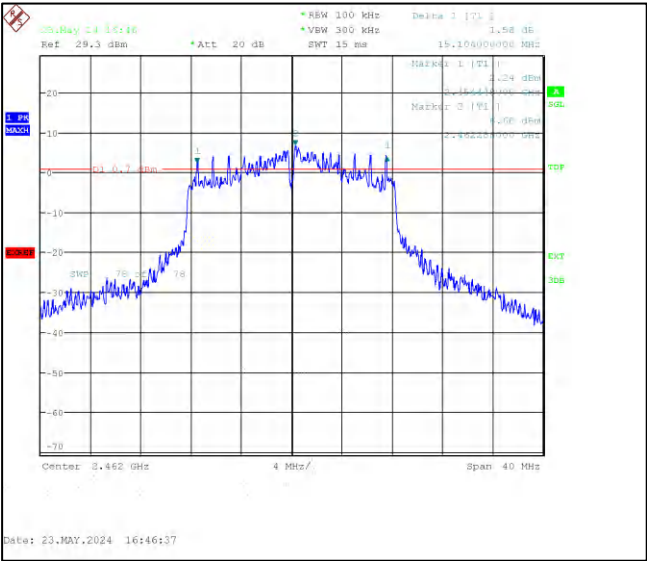
Data Rate: 54Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

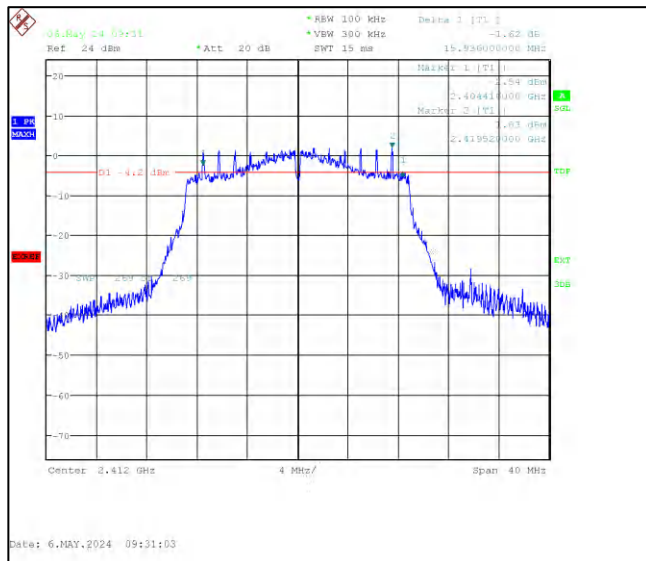
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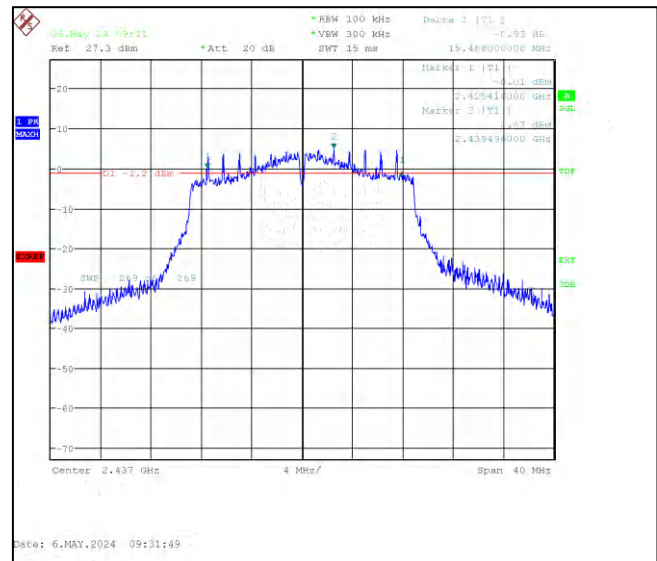
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Modulation: 802.11n HT20

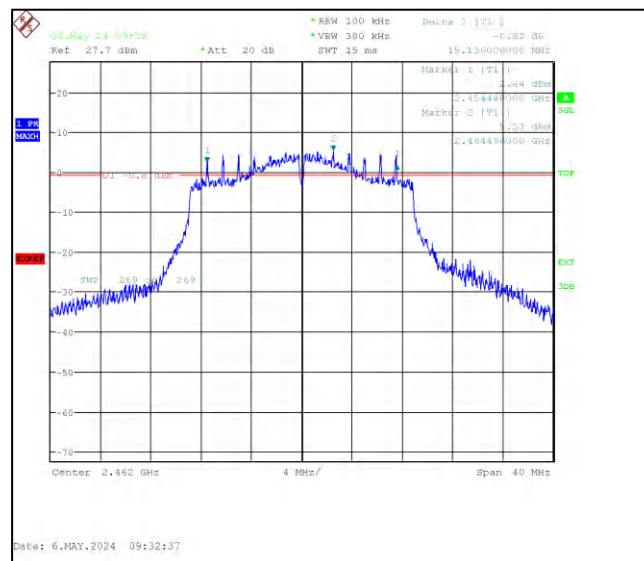
Data Rate: MCS0



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



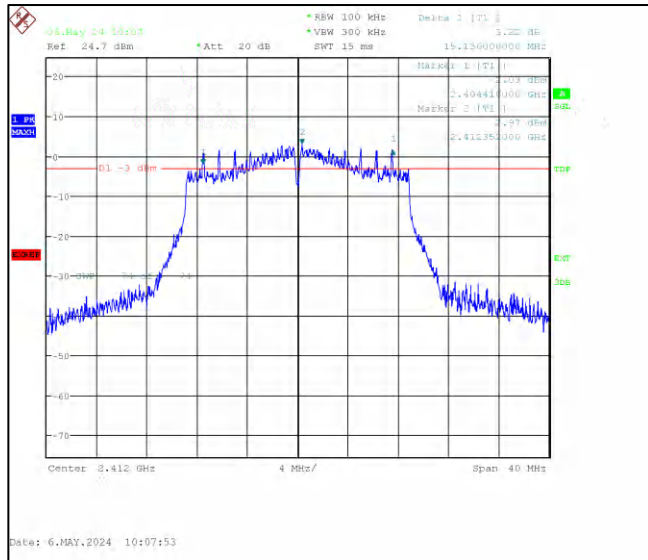
Channel Frequency: 2462MHz

Test Plots

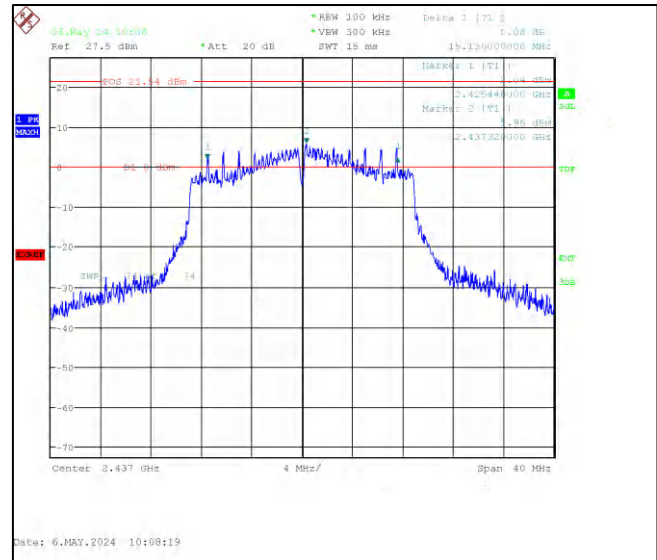
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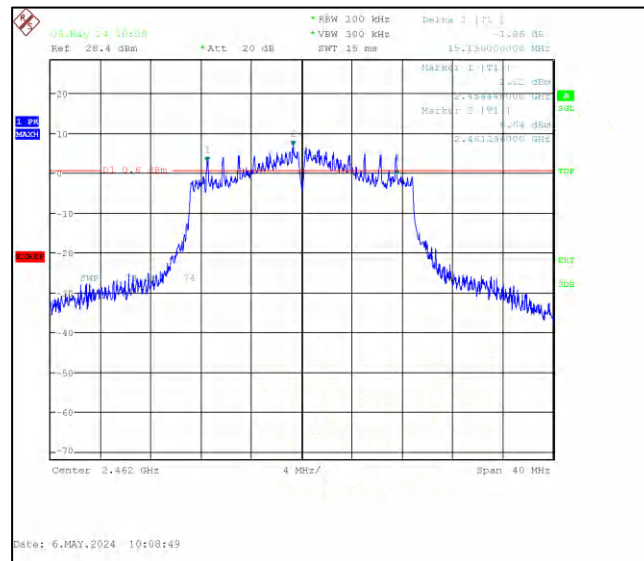
Data Rate: MCS7



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

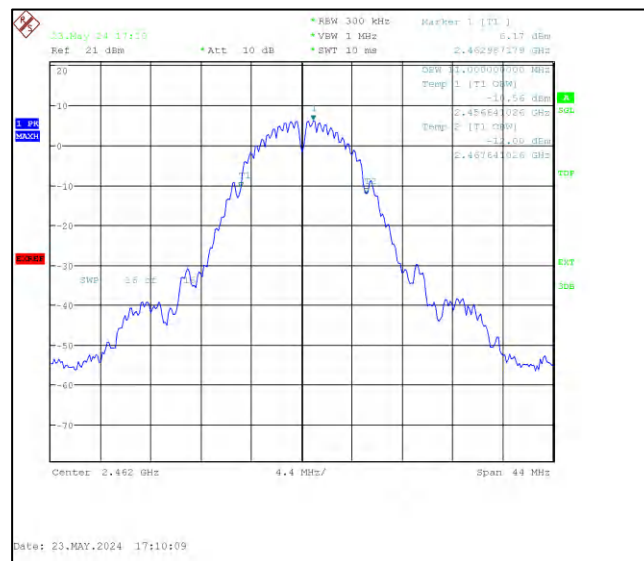
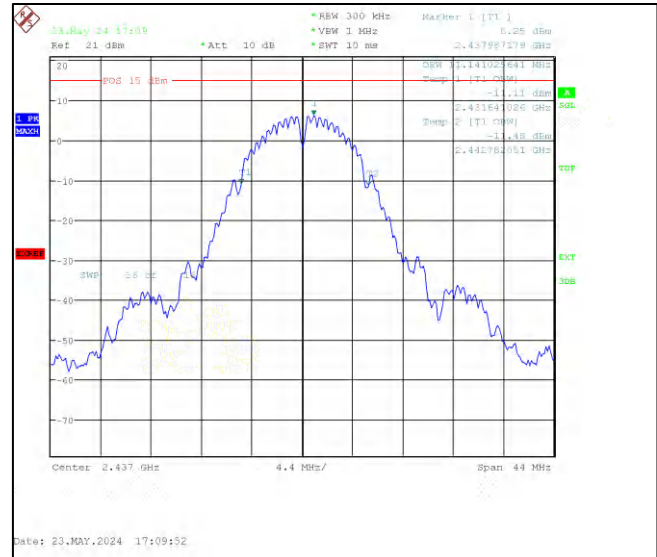
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2.2 Occupied Channel Bandwidth (99%)

Modulation: 802.11b

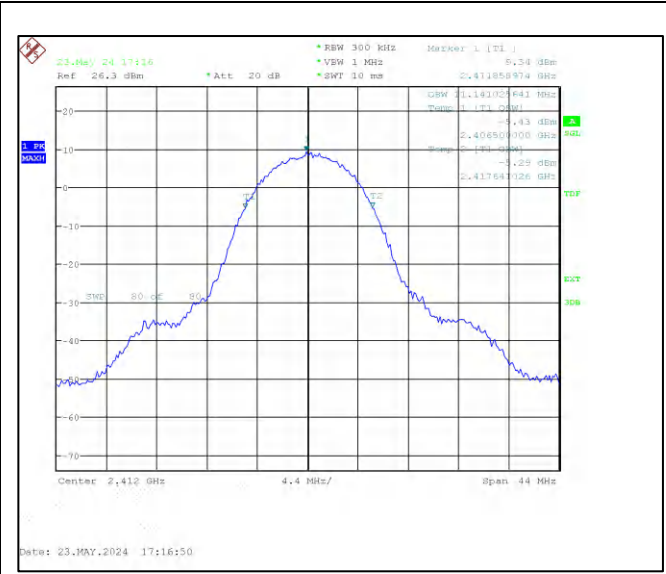
Data Rate: 1Mbps



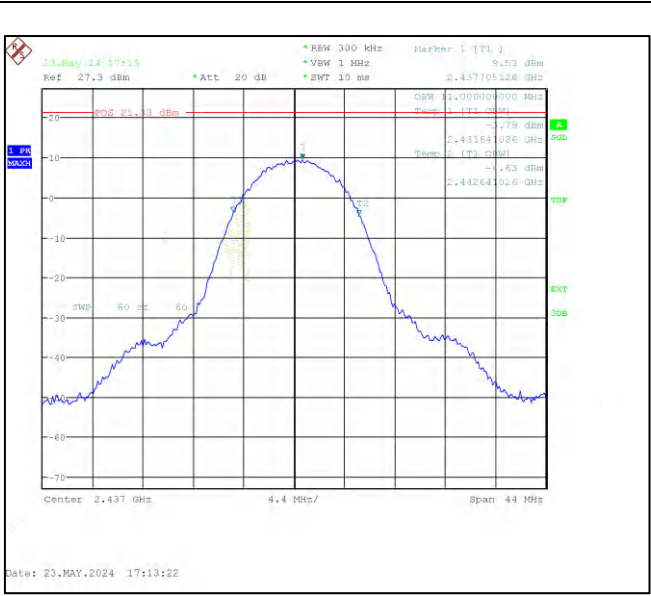
Test Plots

IN24FO3U 001

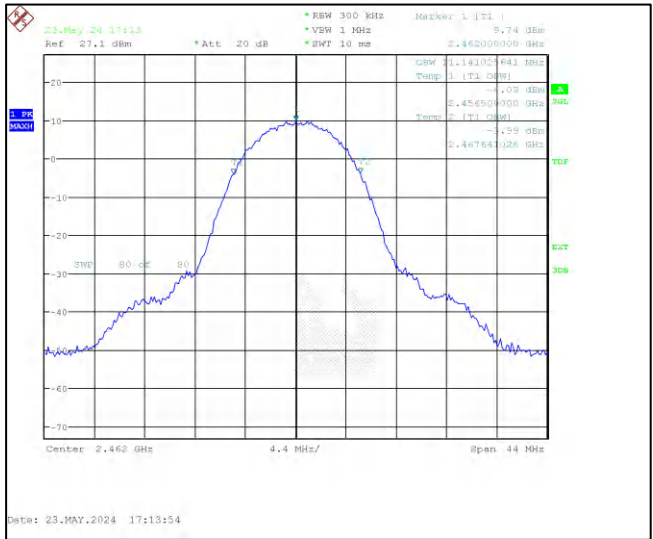
Data Rate: 11Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

IN24FO3U 001

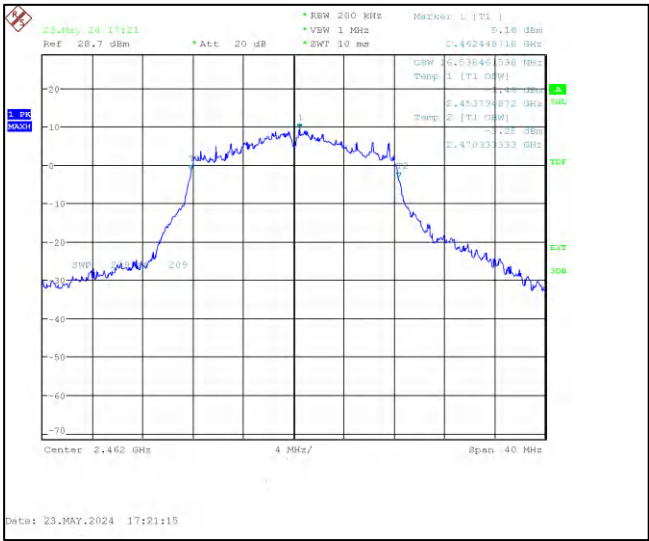
Modulation: 802.11g
Data Rate: 6Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

IN24FO3U 001

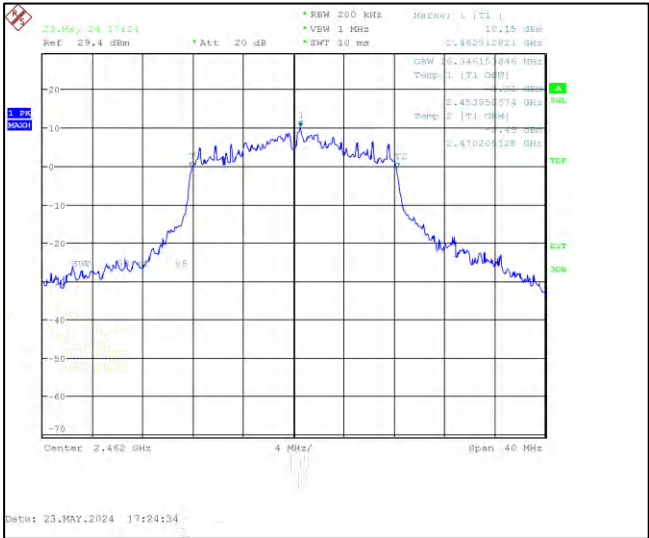
Data Rate: 54Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



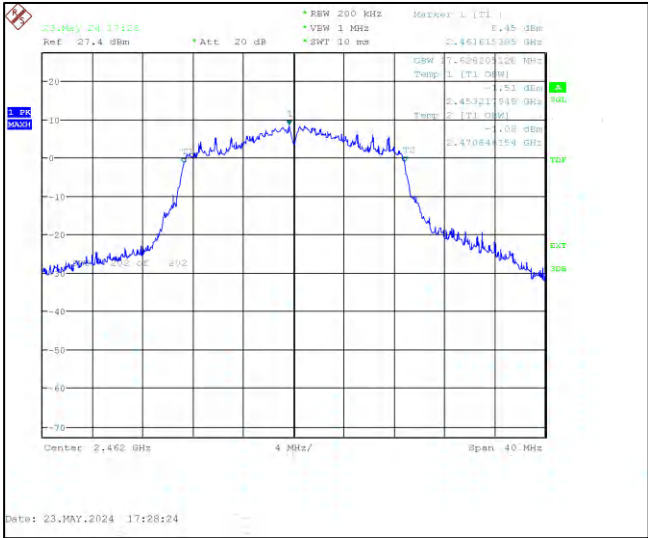
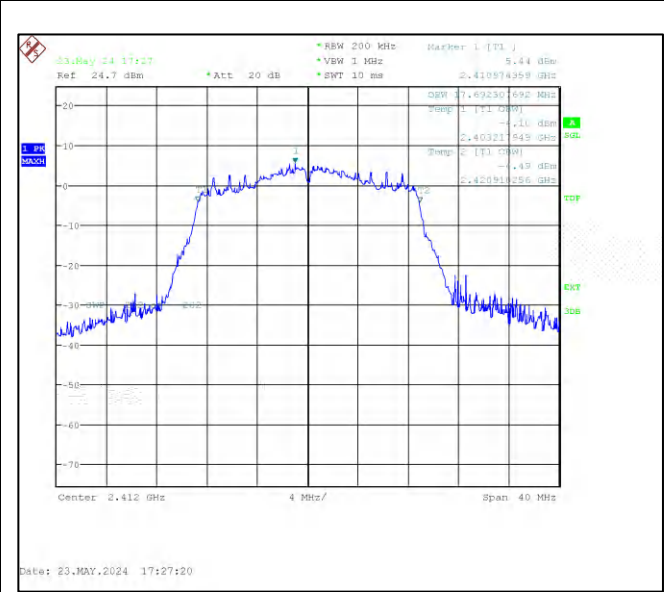
Channel Frequency: 2462MHz

Test Plots

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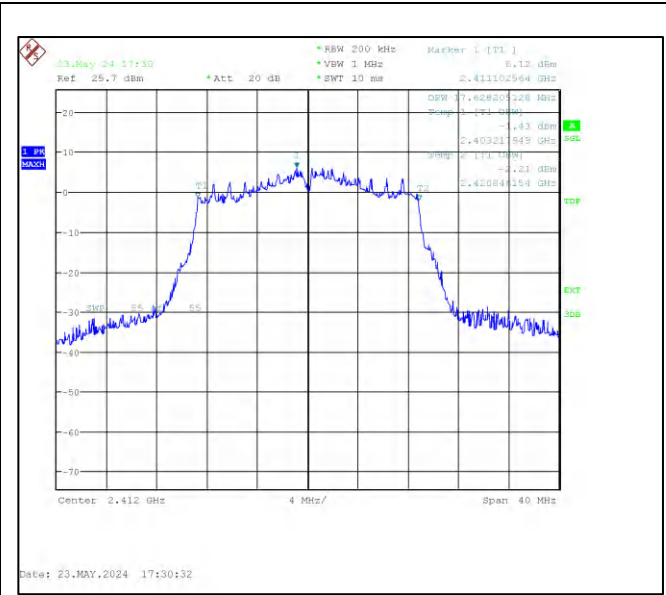
Modulation: 802.11n HT20
Data Rate: MCS0



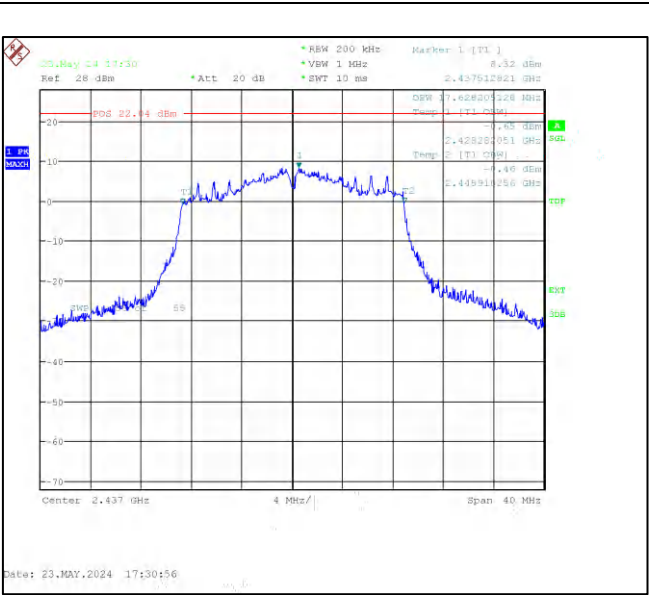
Test Plots

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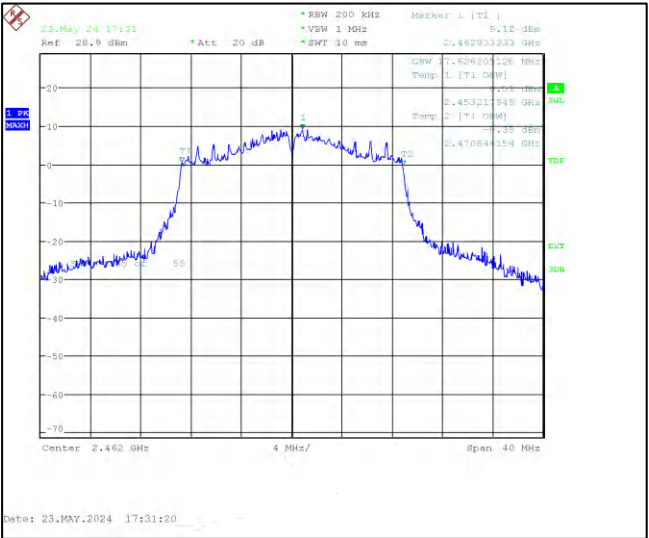
Data Rate: MCS7



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

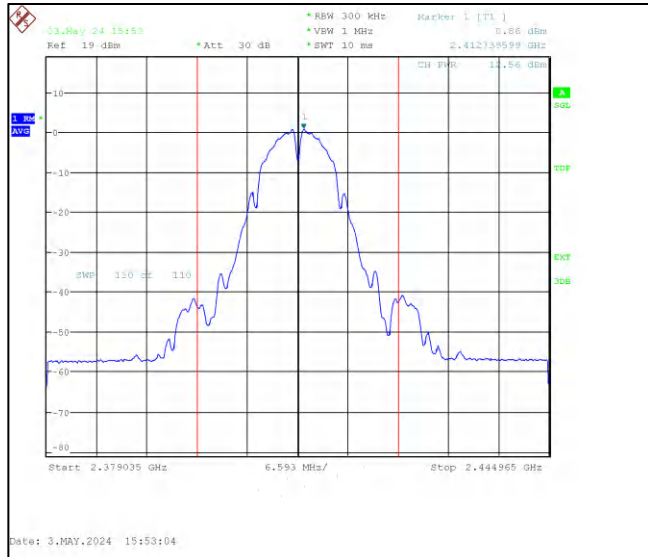
IN24FO3U 001

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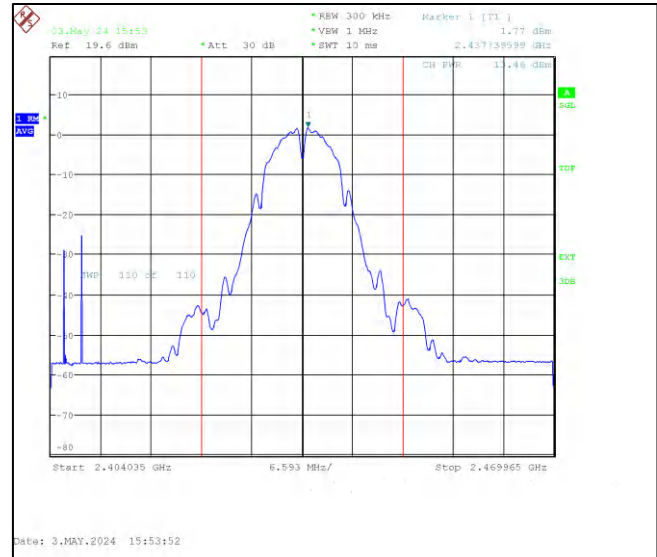
2.3 Conducted Output Power

Modulation: 802.11b

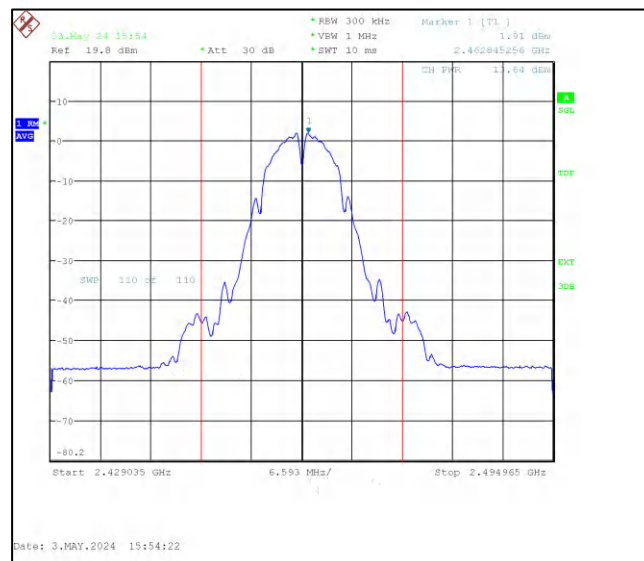
Data Rate: 1Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz

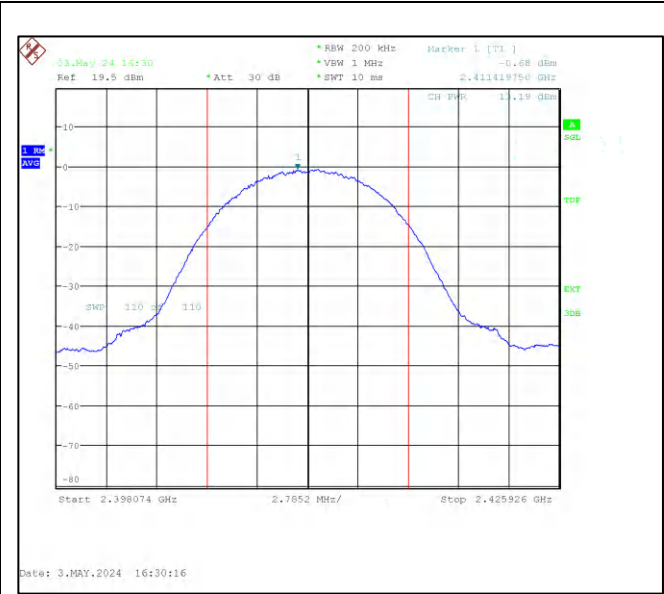


Channel Frequency: 2462MHz

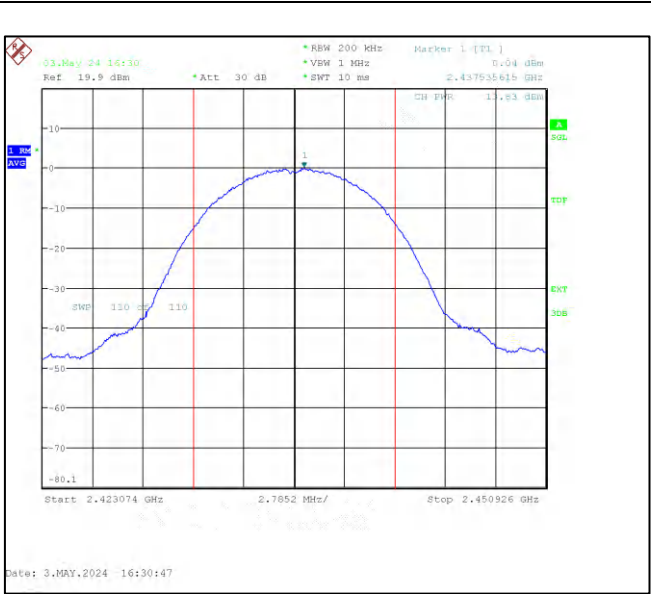
Test Plots

IN24FO3U 001

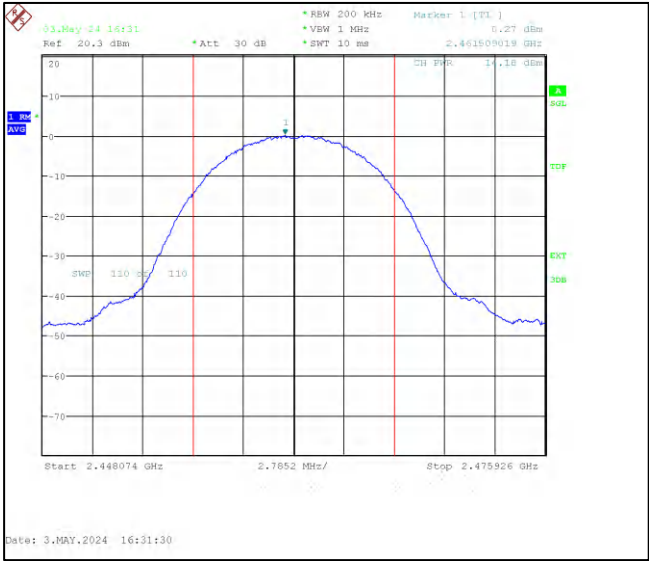
Data Rate: 11Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

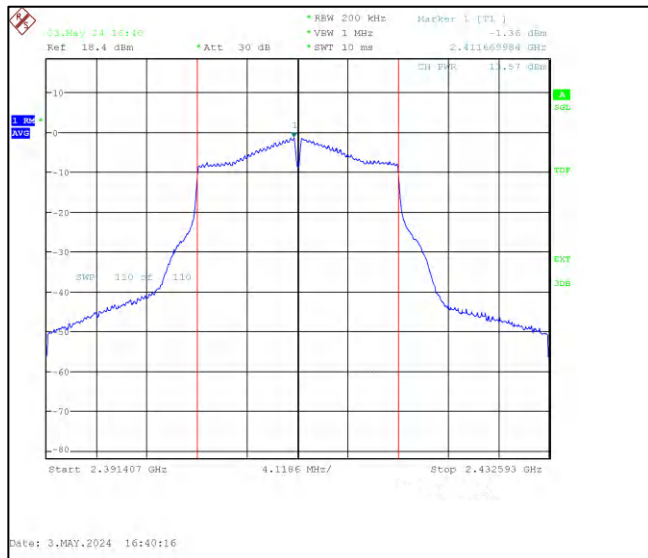
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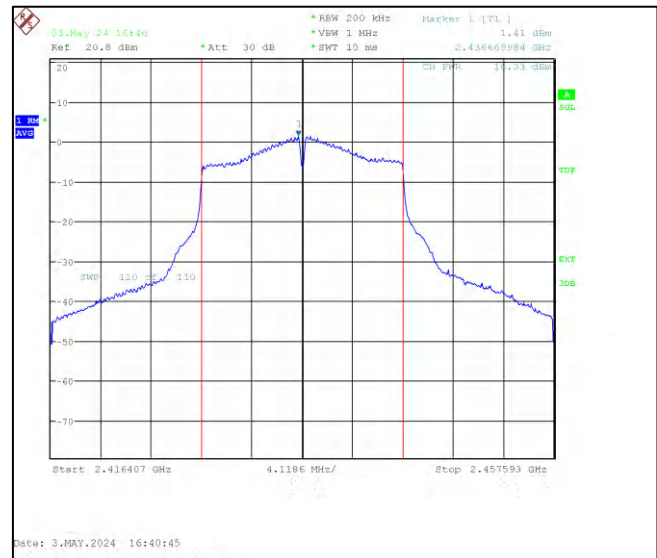
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Modulation: 802.11g

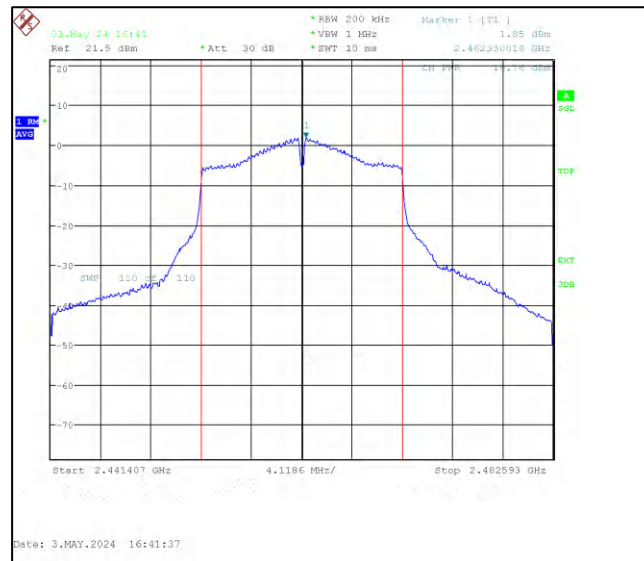
Data Rate: 6Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz

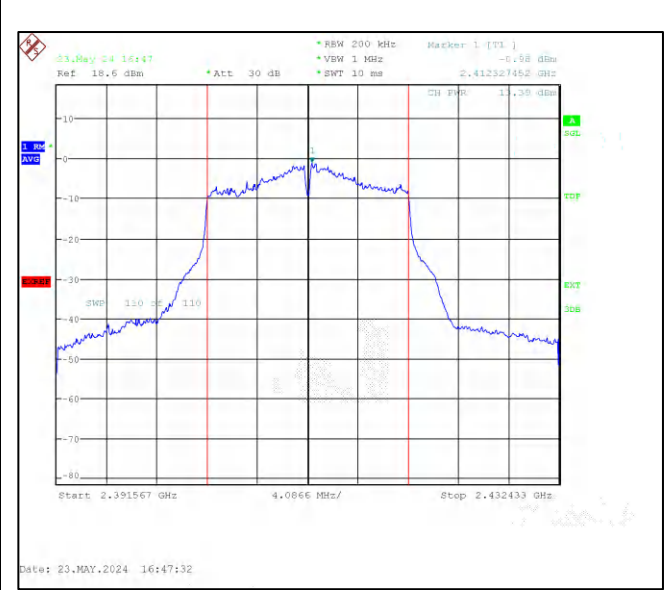


Channel Frequency: 2462MHz

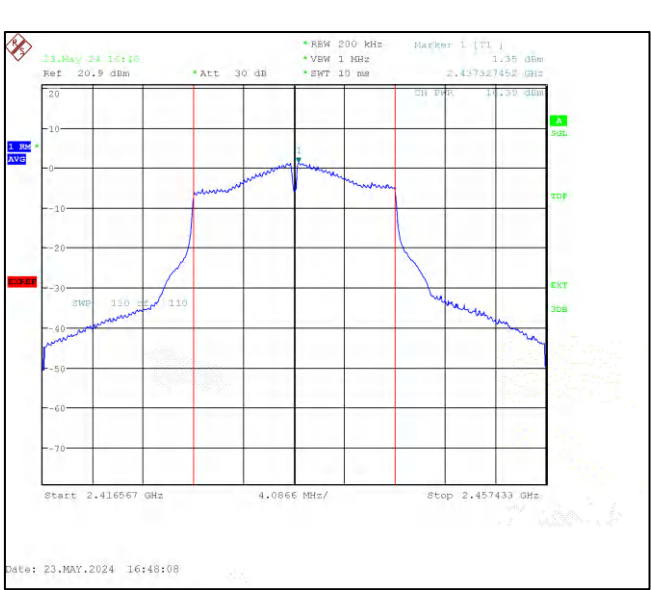
Test Plots

IN24FO3U 001

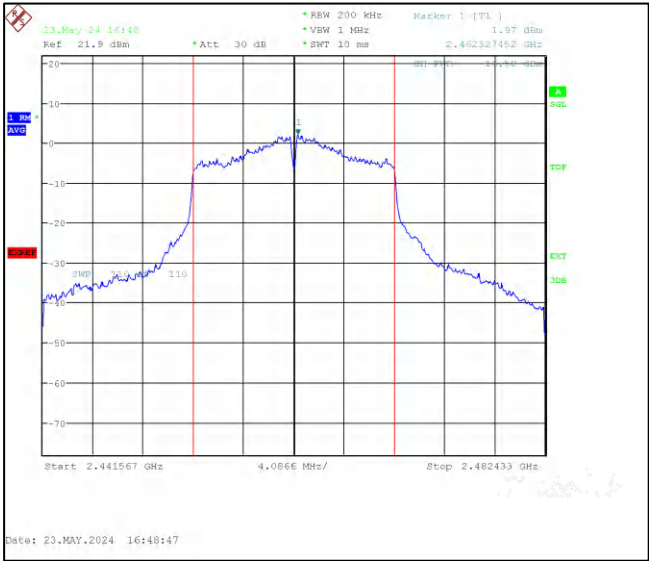
Data Rate: 54Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

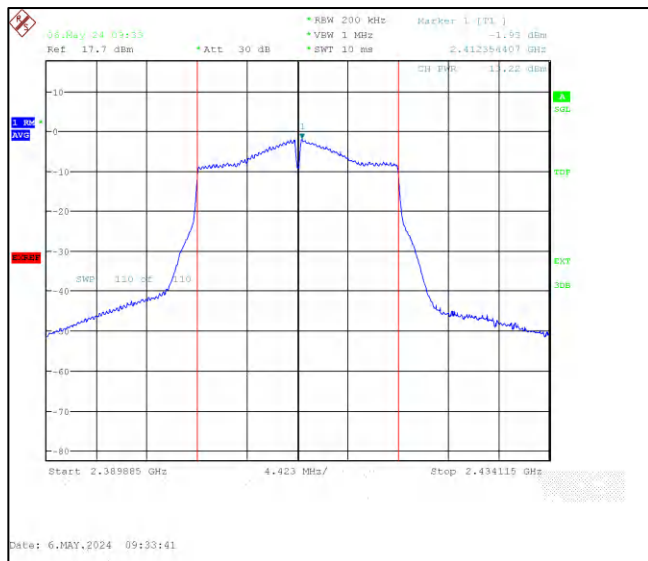
IN24FO3U 001

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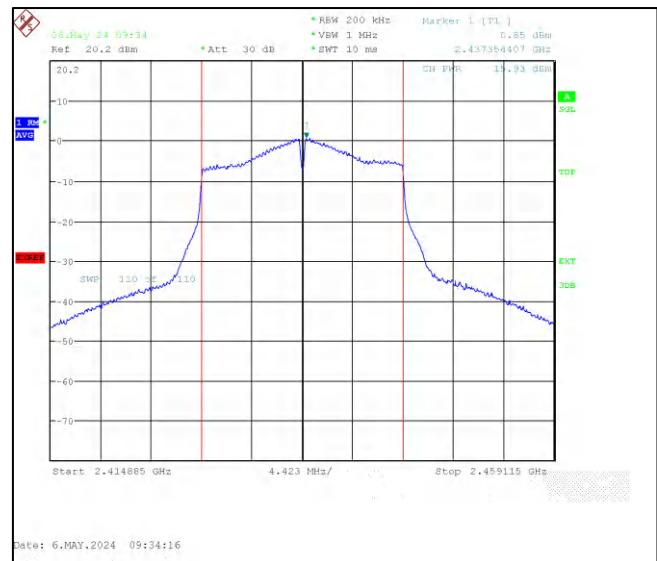
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Modulation: 802.11n HT20

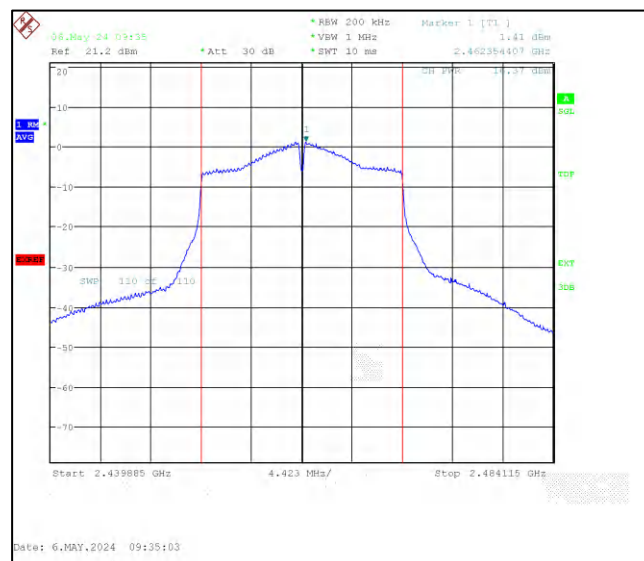
Data Rate: MCS0



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

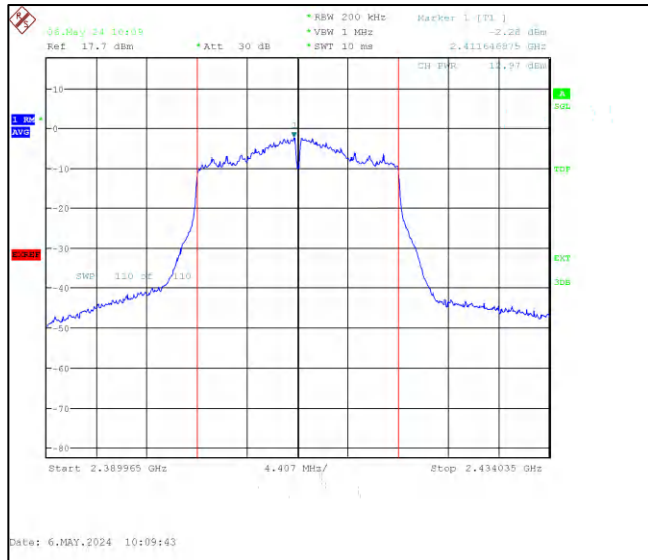
Test Plots

IN24FO3U 001

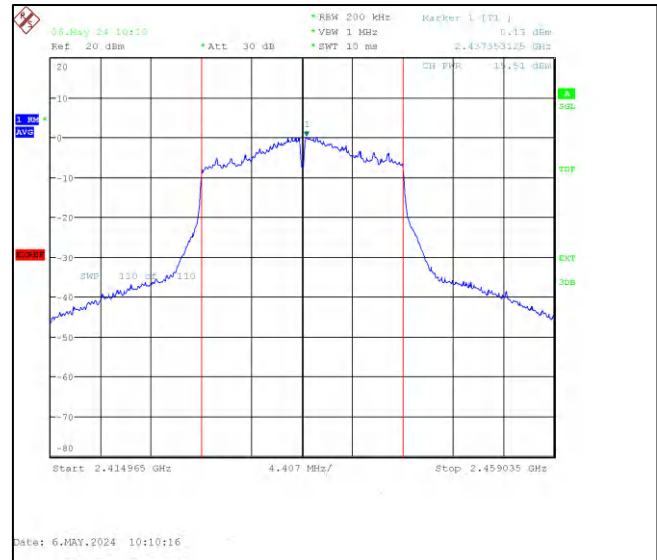
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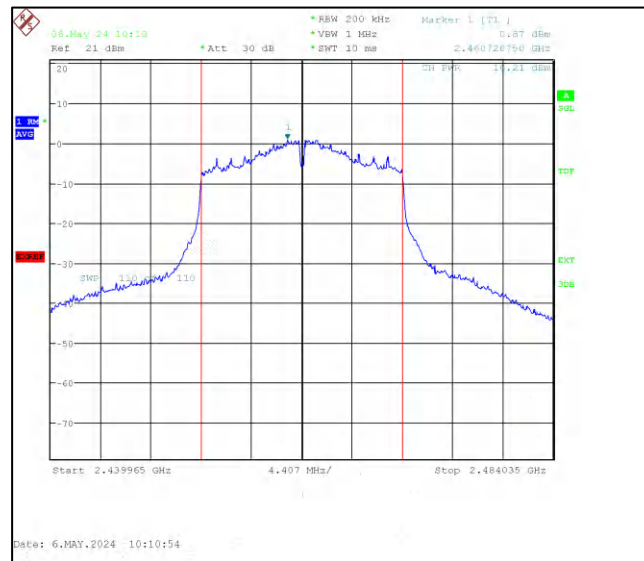
Data Rate: MCS7



Channel Frequency: 2412MHz



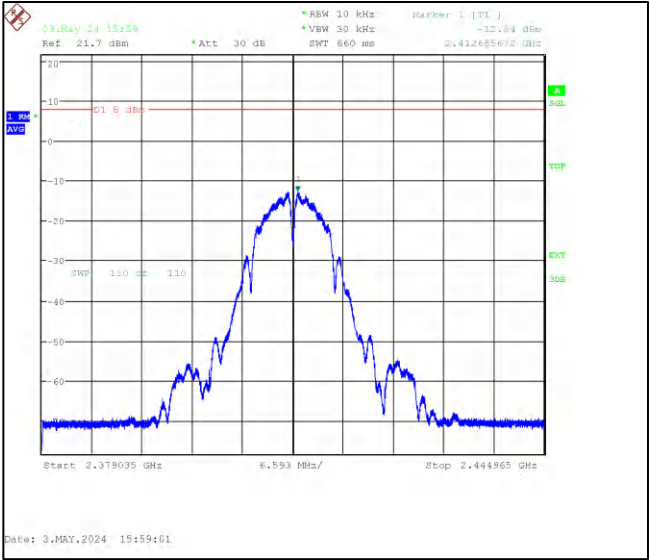
Channel Frequency: 2437MHz



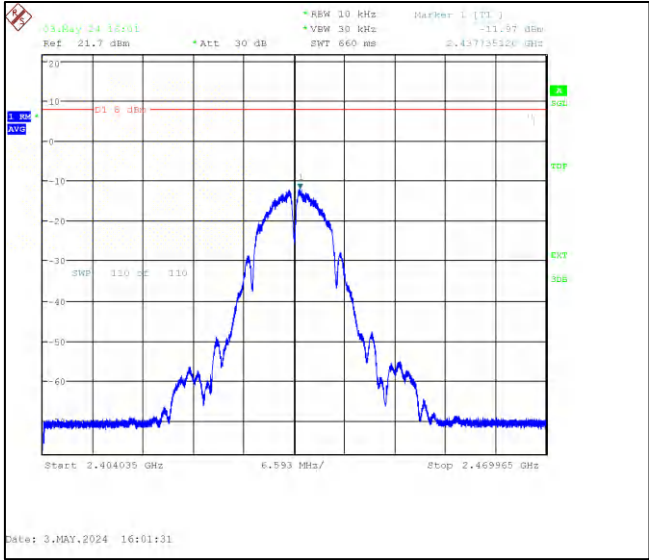
Channel Frequency: 2462MHz

2.4 Power Spectral Density

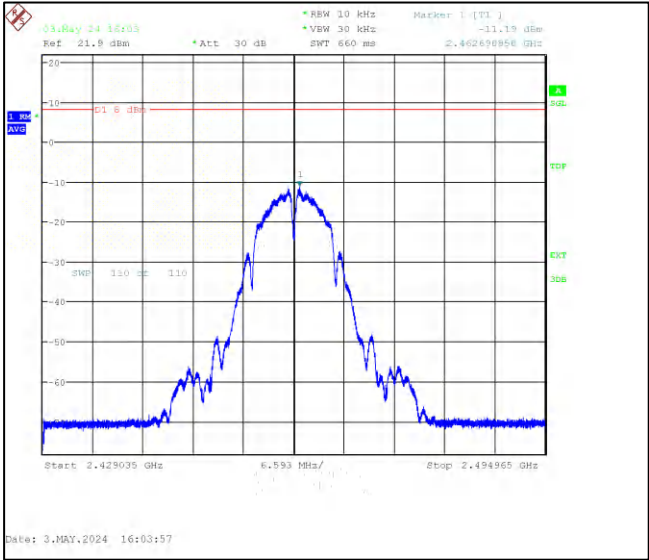
Modulation: 802.11b
Data Rate: 1Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

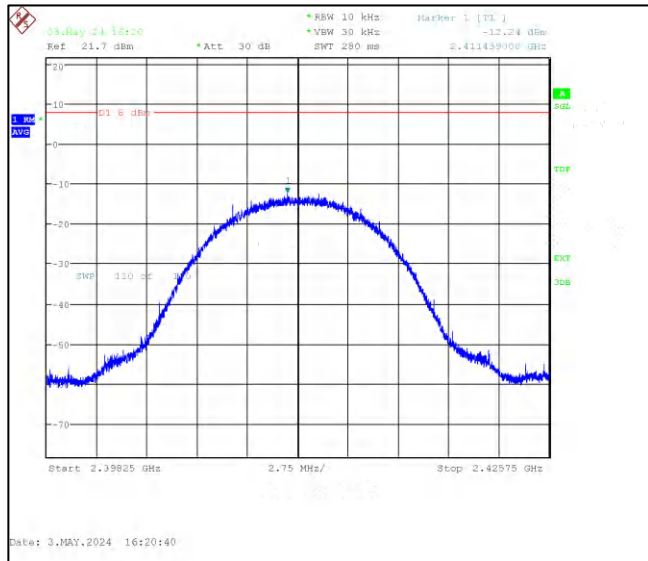
Test Plots

IN24FO3U 001

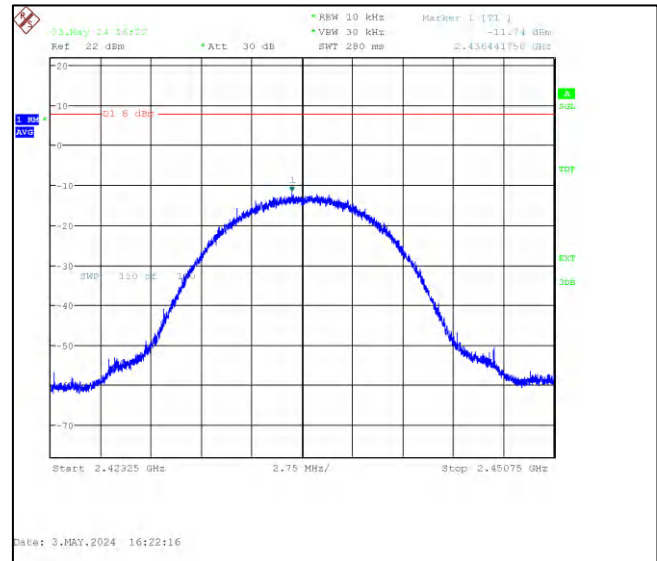
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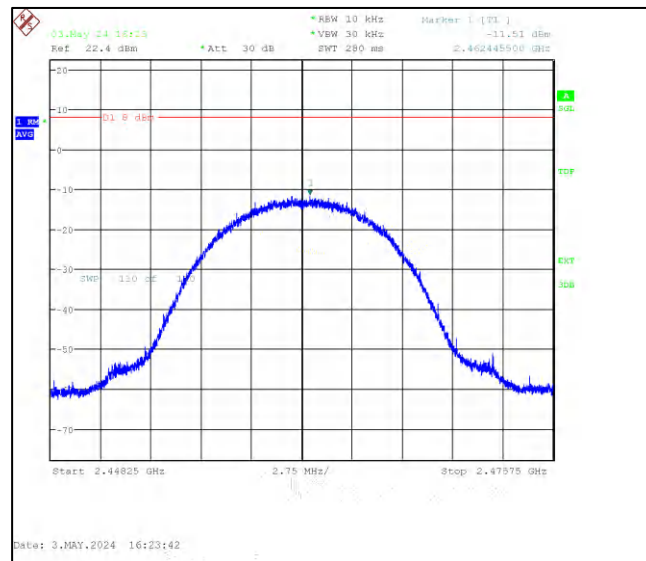
Data Rate: 11Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

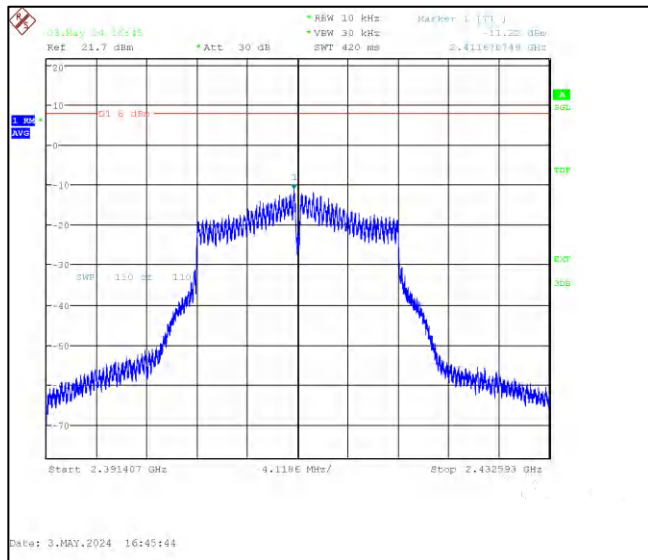
IN24FO3U 001

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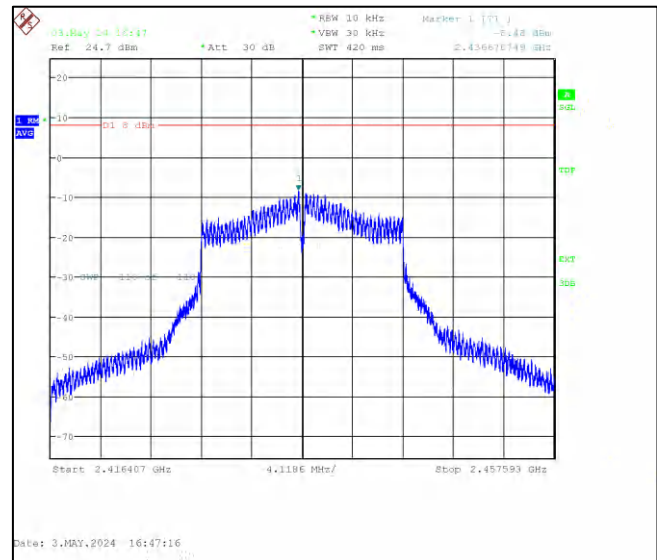
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Modulation: 802.11g

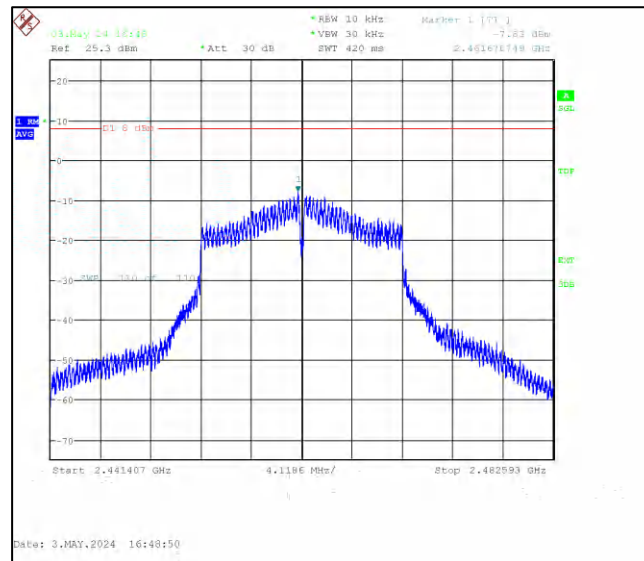
Data Rate: 6Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

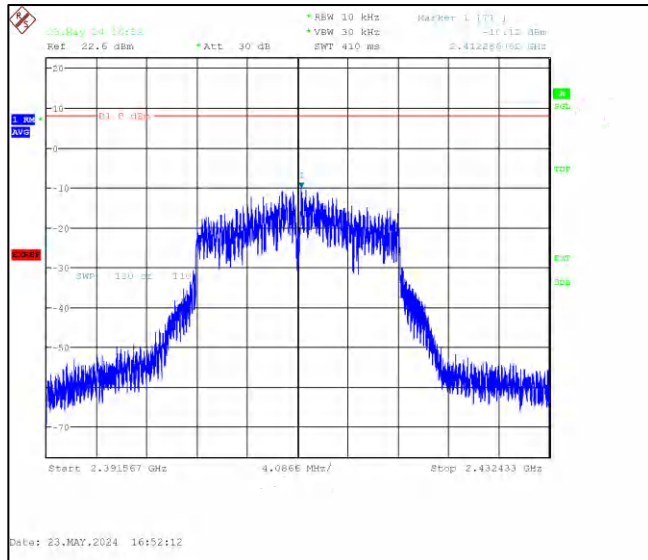
Test Plots

IN24FO3U 001

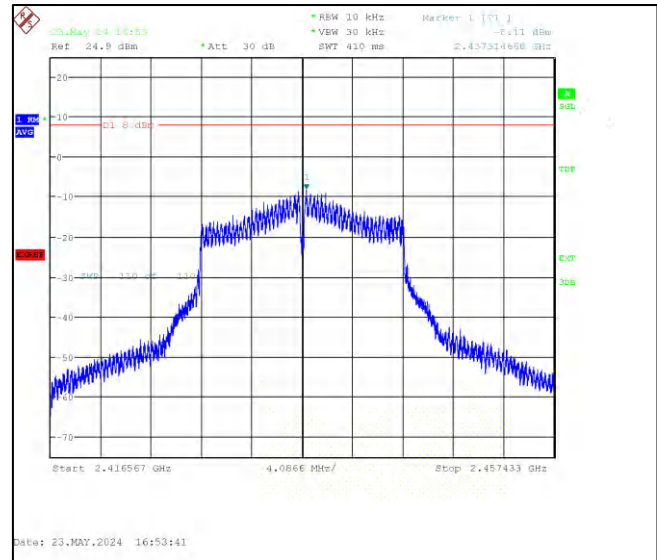
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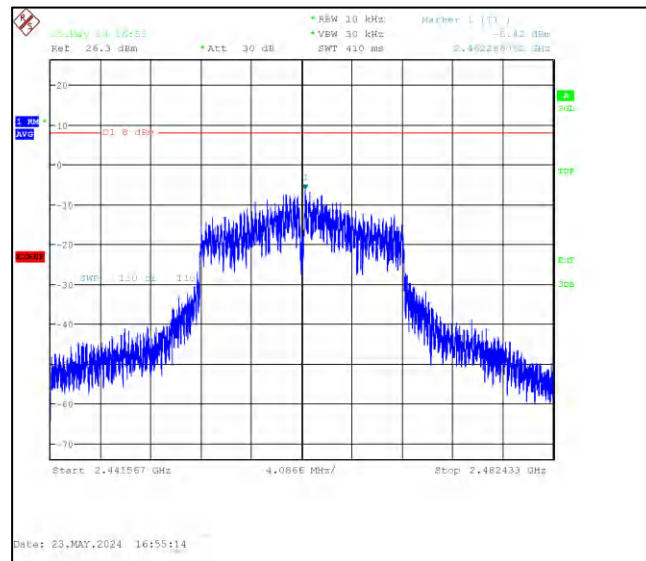
Data Rate: 54Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

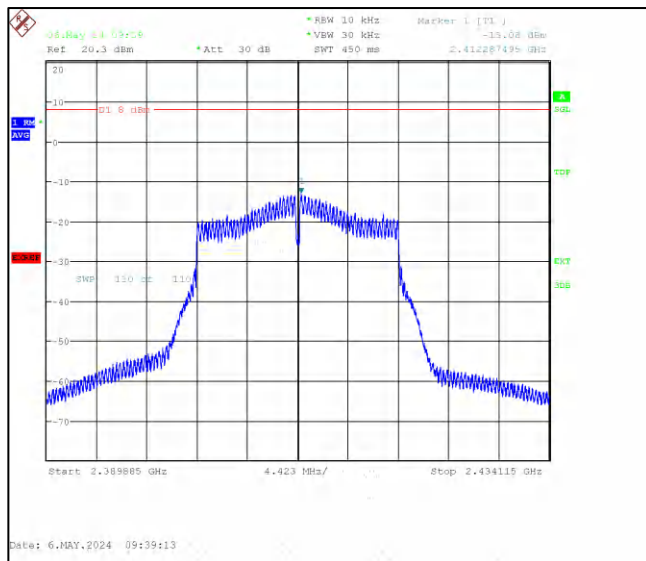
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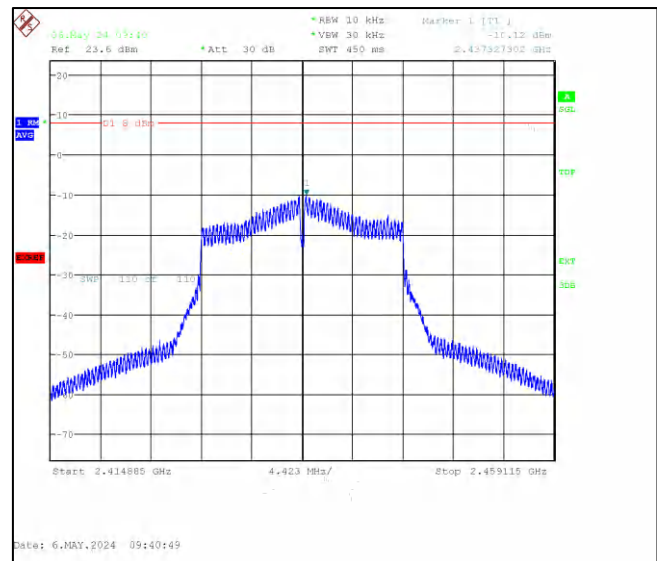
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Modulation: 802.11n HT20

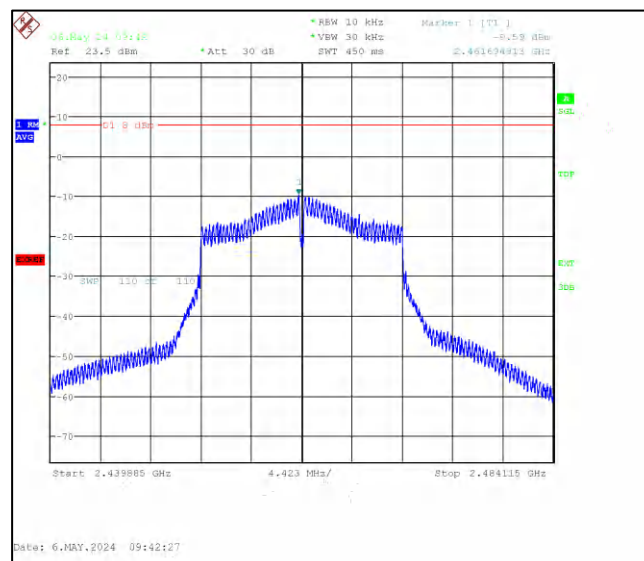
Data Rate: MCS0



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

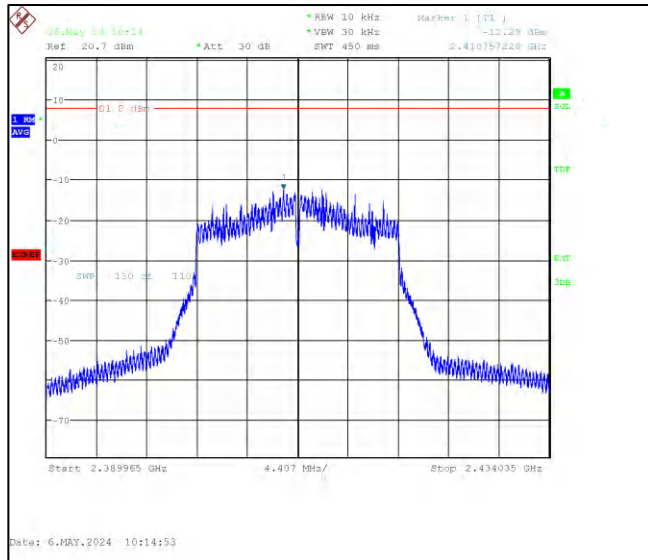
Test Plots

IN24FO3U 001

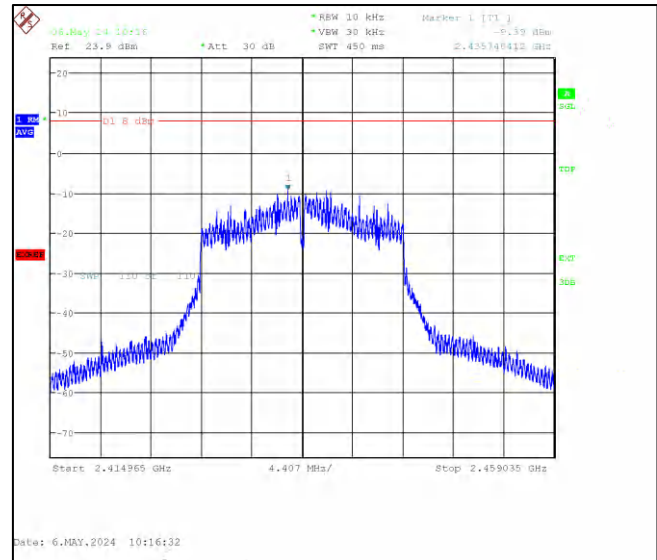
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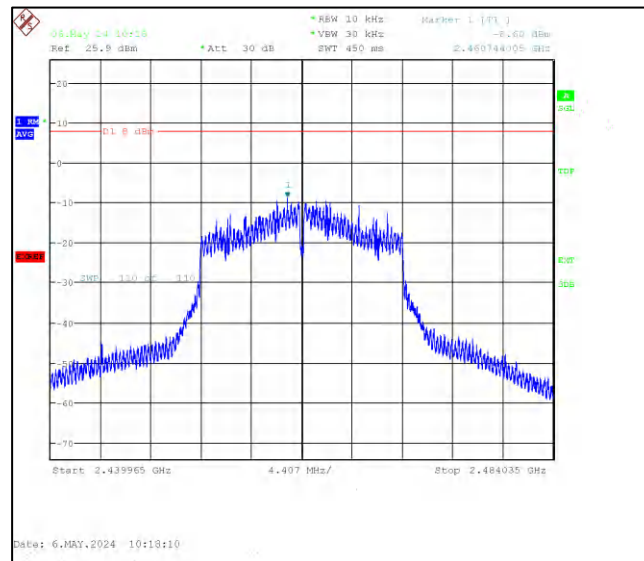
Data Rate: MCS7



Channel Frequency: 2412MHz



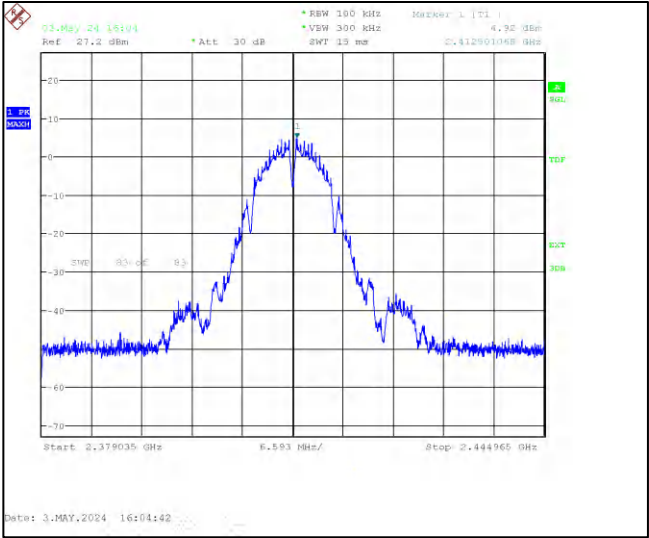
Channel Frequency: 2437MHz



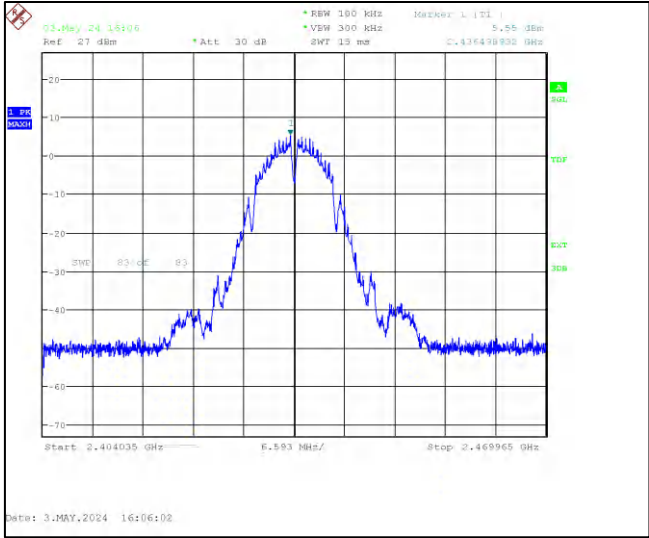
Channel Frequency: 2462MHz

2.5 Reference Plots

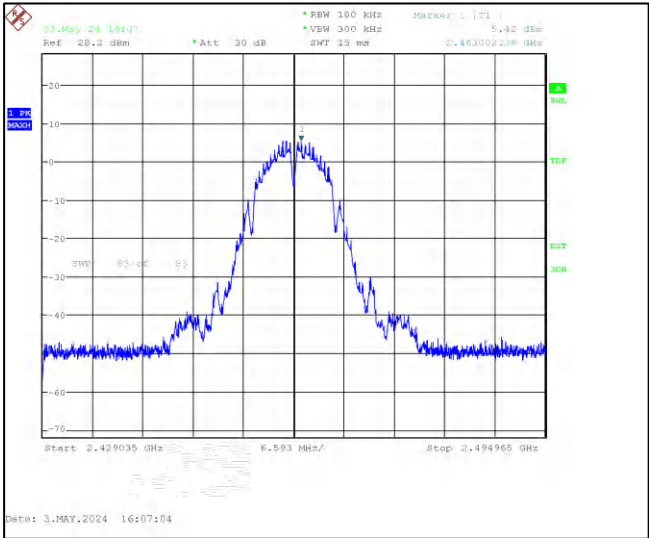
Modulation: 802.11b
Data Rate: 1Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz

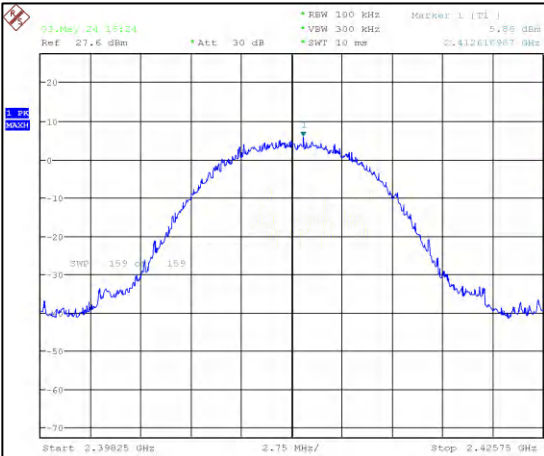


Channel Frequency: 2462MHz

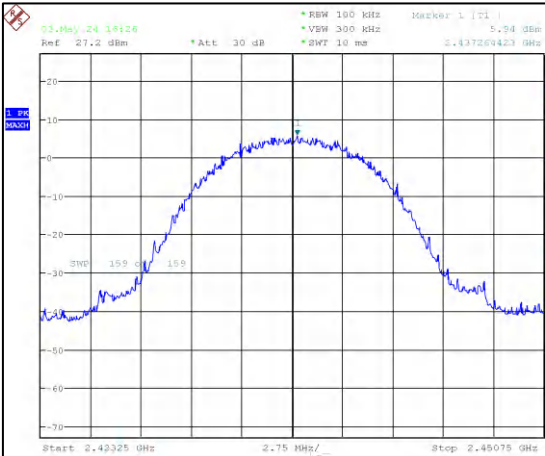
Test Plots

IN24FO3U 001

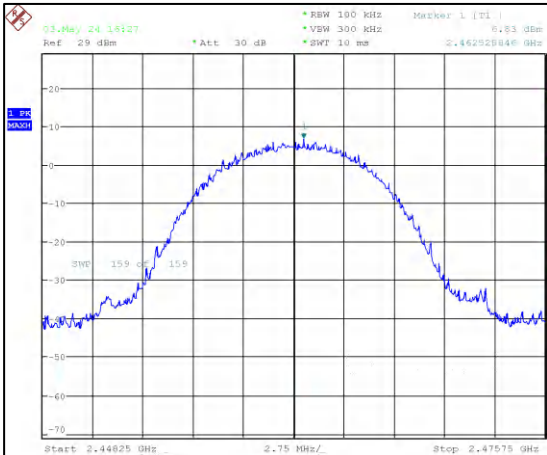
Data Rate: 11Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

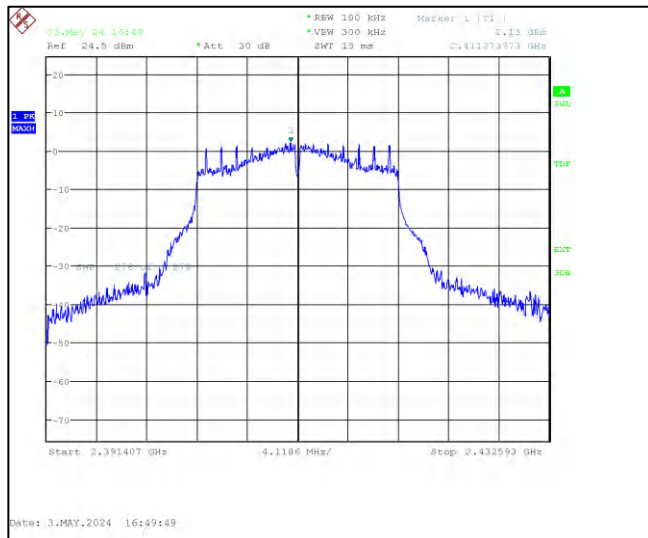
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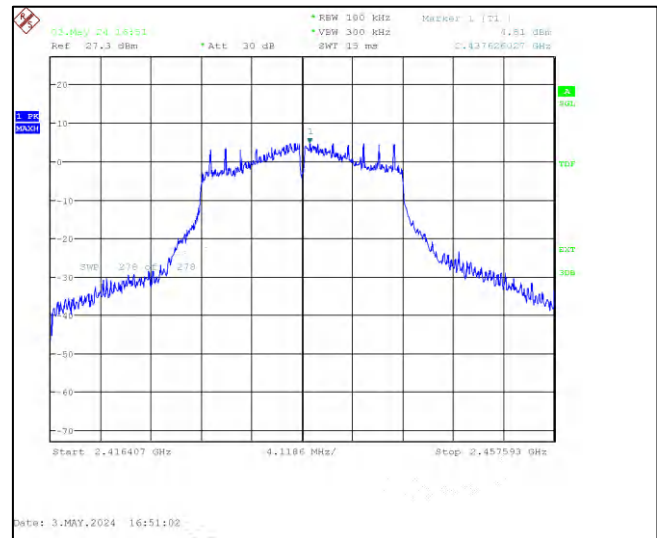
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Modulation: 802.11g

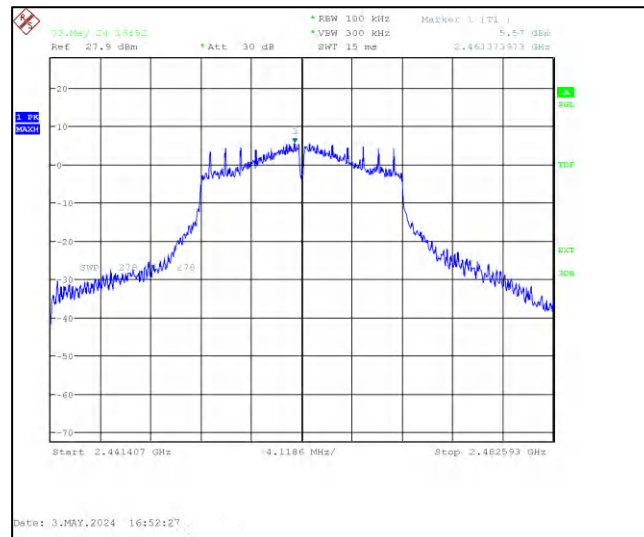
Data Rate: 6Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

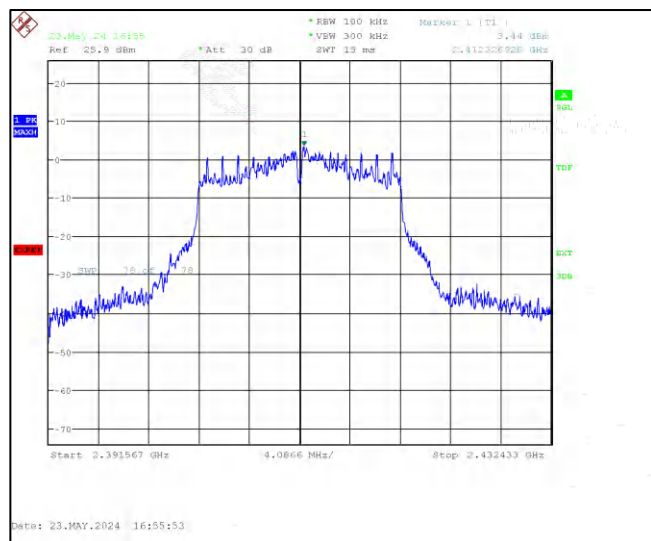
Test Plots

IN24FO3U 001

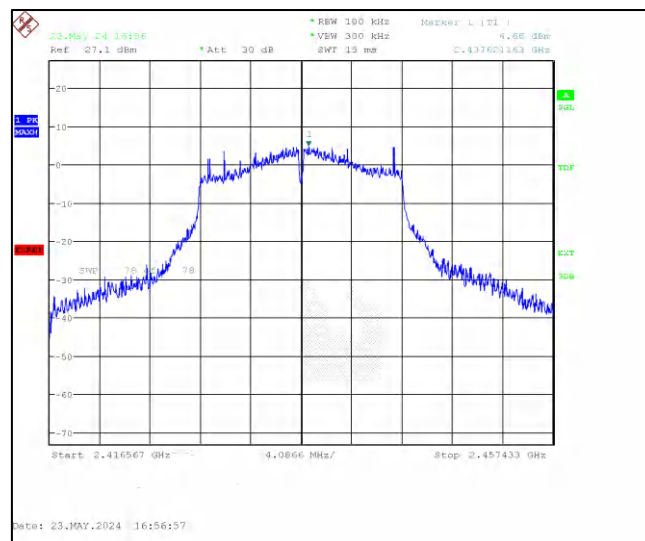
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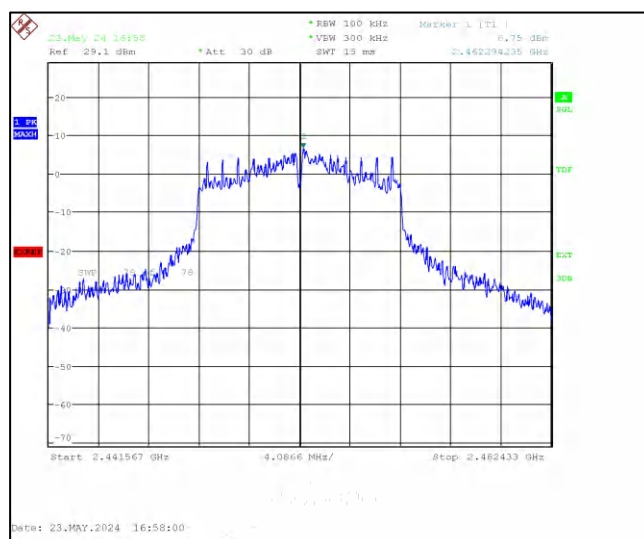
Data Rate: 54Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz

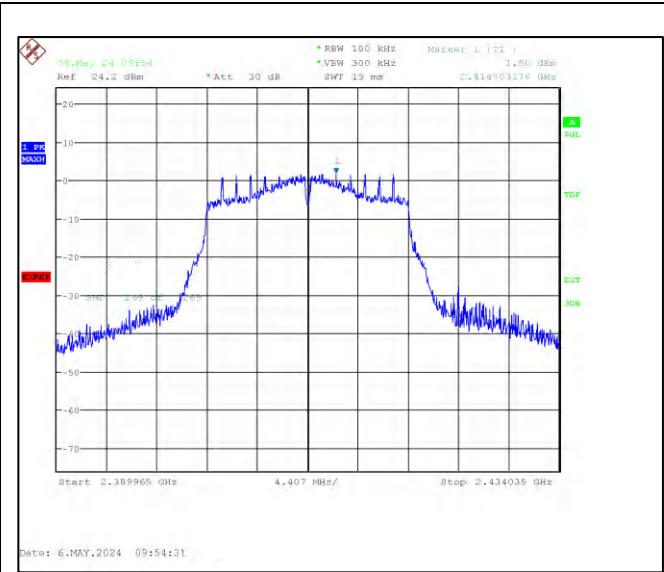


Channel Frequency: 2462MHz

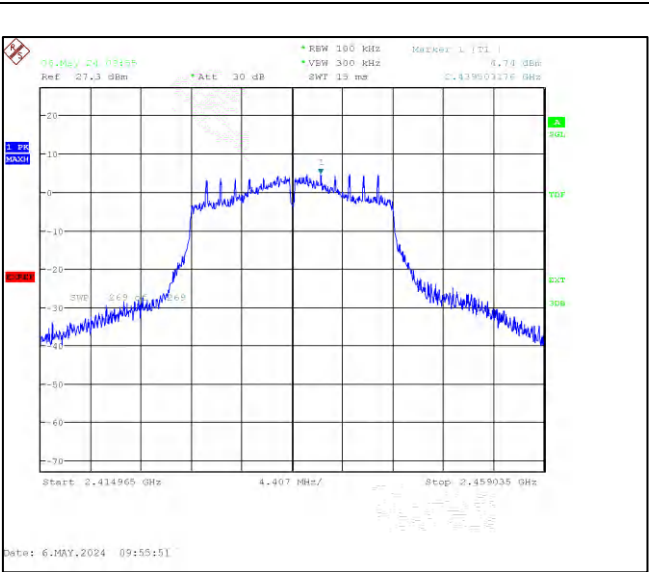
Test Plots

IN24FO3U 001

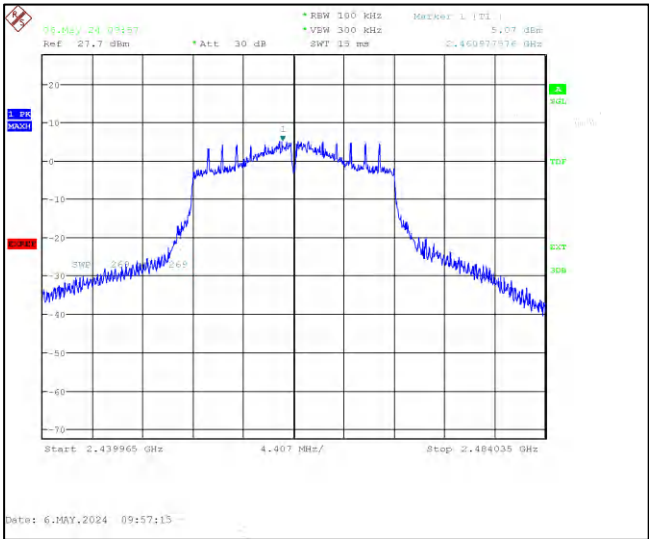
Modulation: 802.11n HT20
Data Rate: MCS0



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz

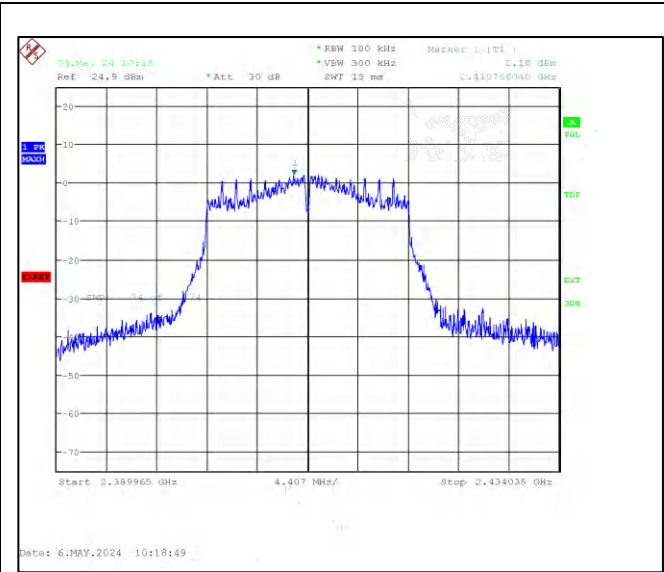


Channel Frequency: 2462MHz

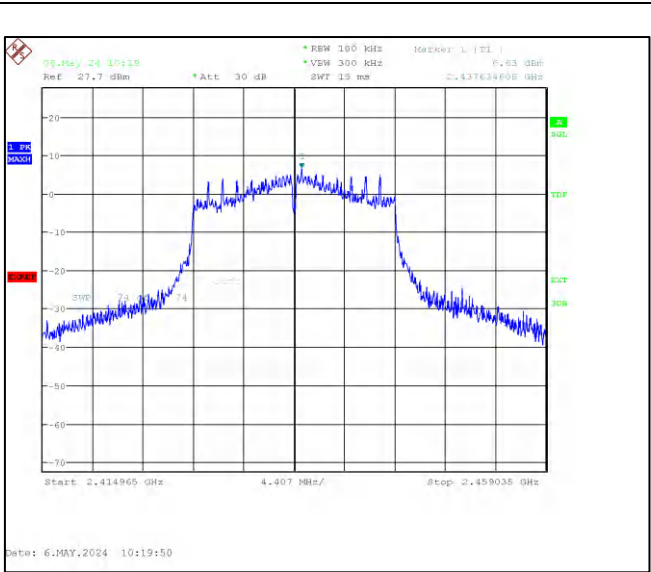
Test Plots

IN24FO3U 001

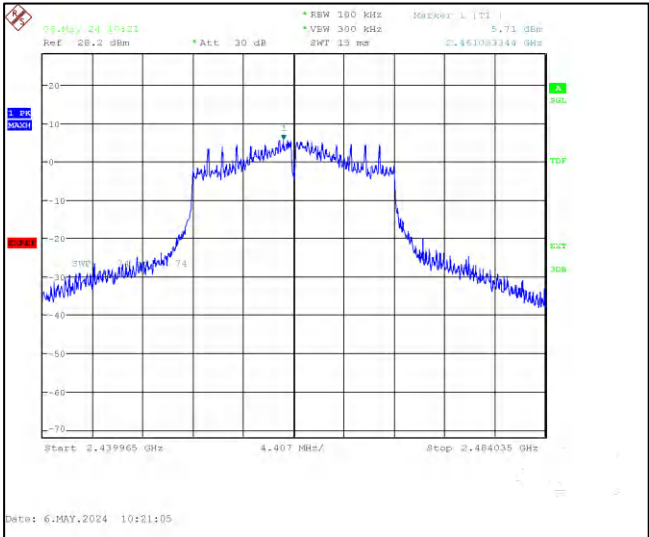
Data Rate: MCS7



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

IN24FO3U 001

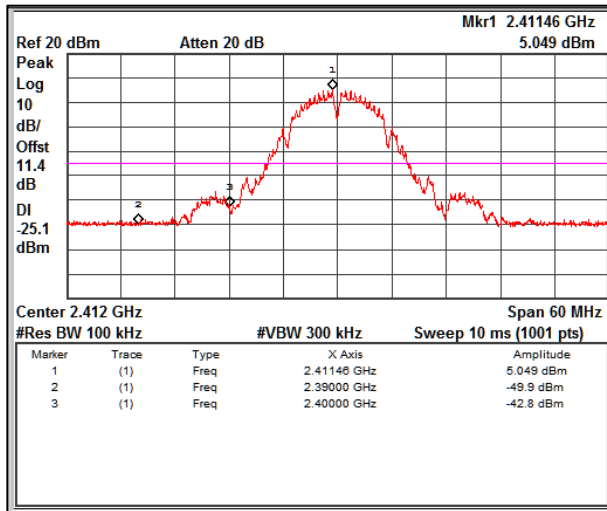
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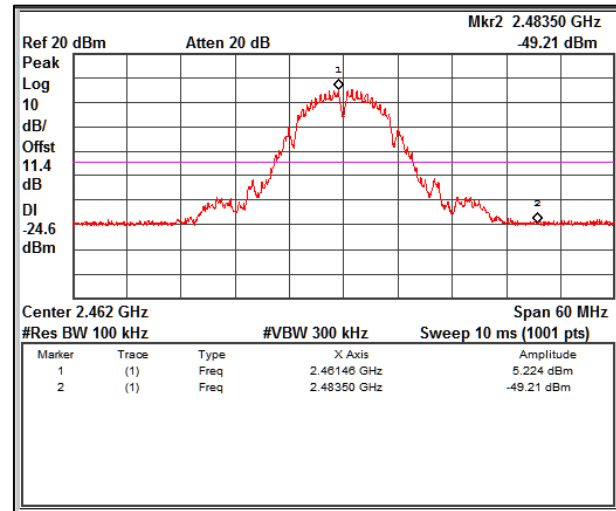
2.6 Band Edge

Modulation: 802.11b

Data Rate: 1Mbps

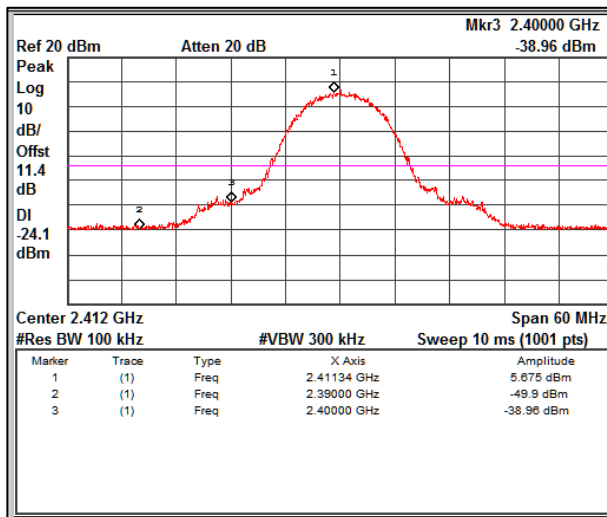


Channel Frequency: 2412MHz

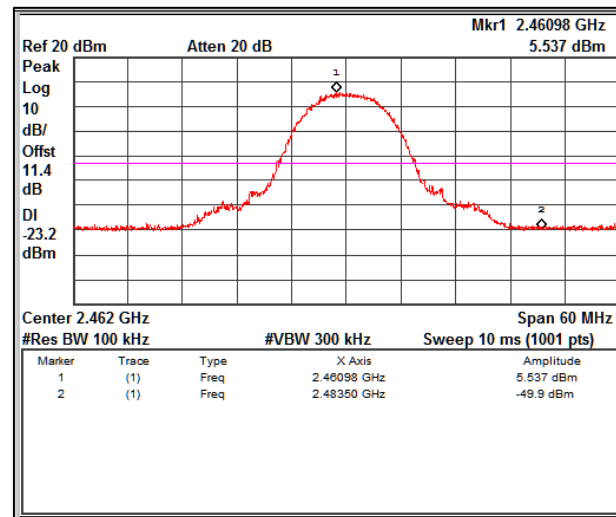


Channel Frequency: 2462MHz

Data Rate: 11Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2462MHz

Test Plots

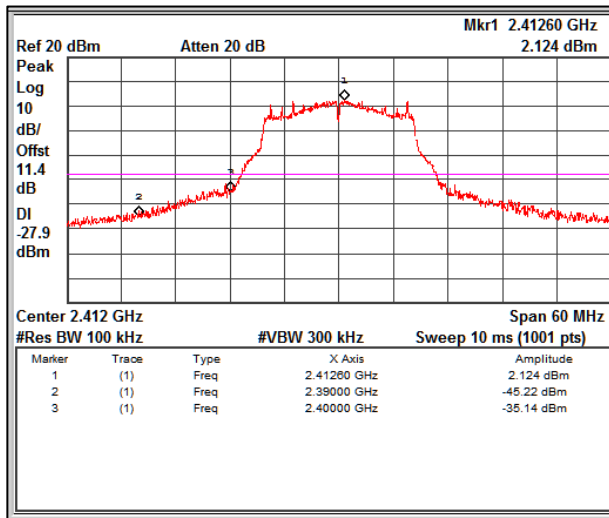
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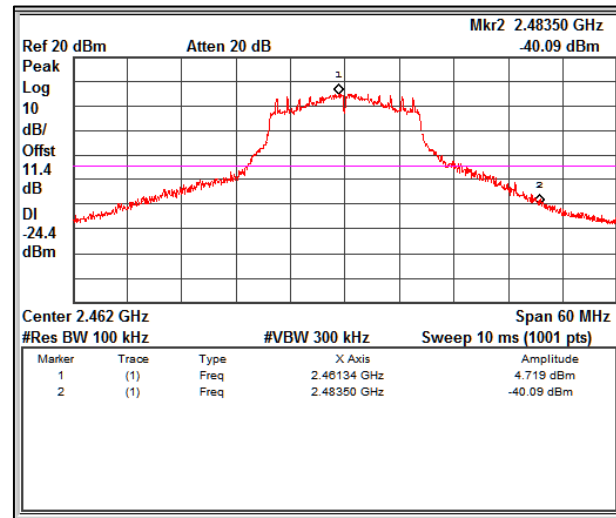
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Modulation: 802.11g

Data Rate: 6Mbps

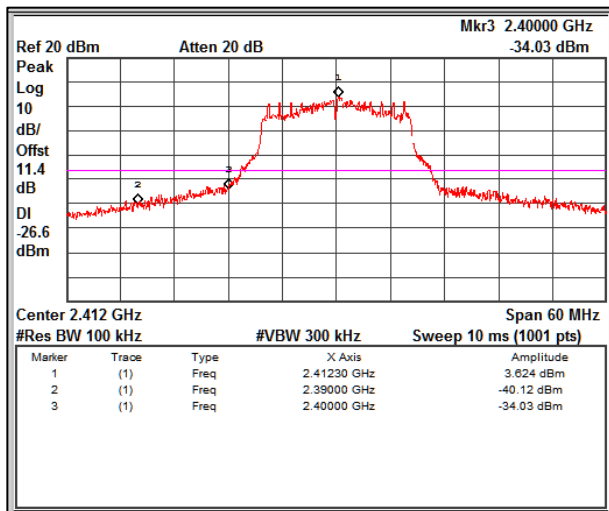


Channel Frequency: 2412MHz

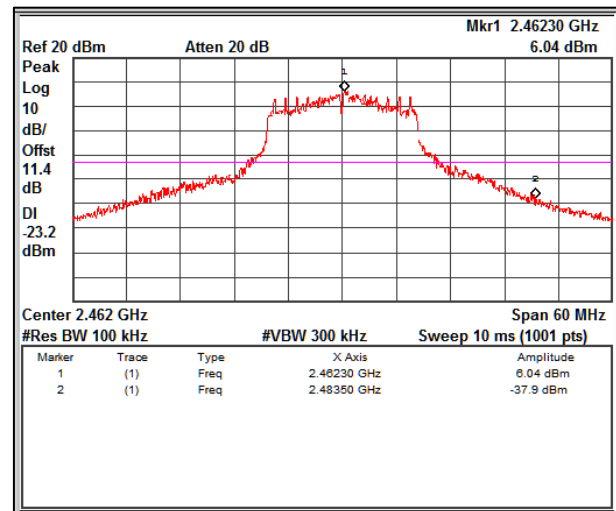


Channel Frequency: 2462MHz

Data Rate: 54Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2462MHz

Test Plots

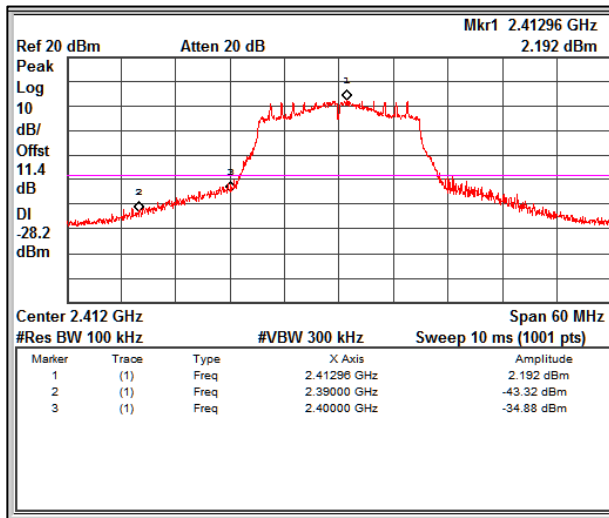
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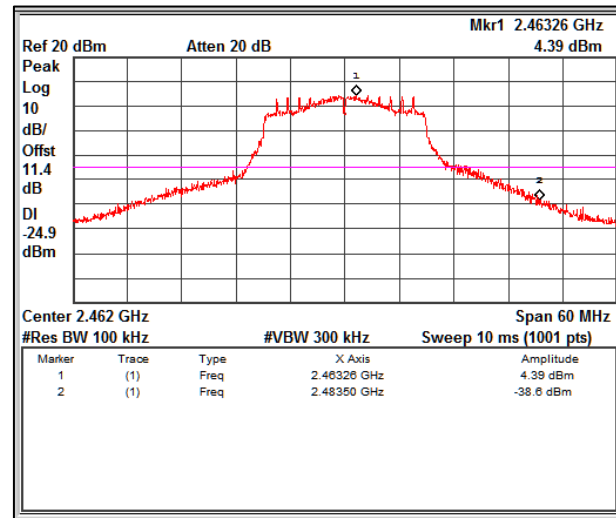
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Modulation: 802.11n HT20

Data Rate: MCS0

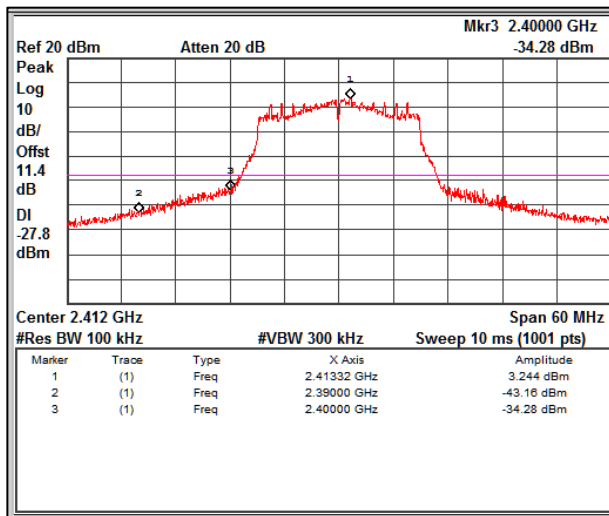


Channel Frequency: 2412MHz

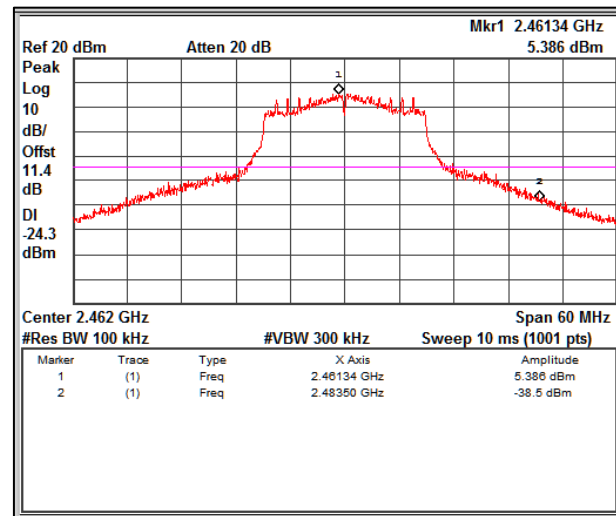


Channel Frequency: 2462MHz

Data Rate: MCS7



Channel Frequency: 2412MHz



Channel Frequency: 2462MHz

Test Plots

IN24FO3U 001

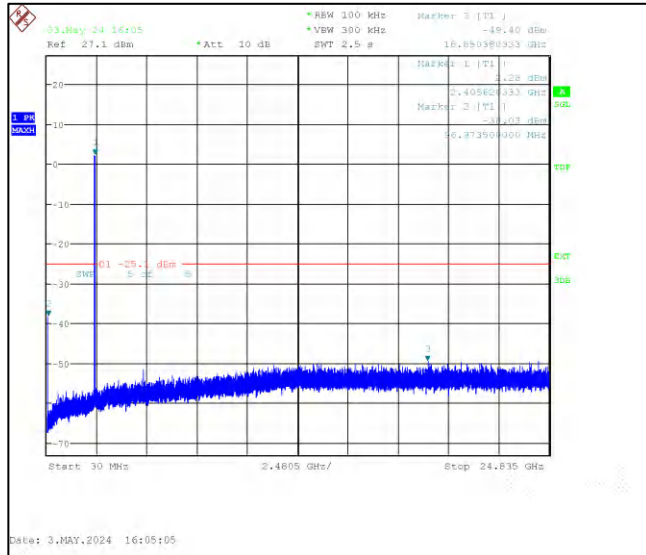
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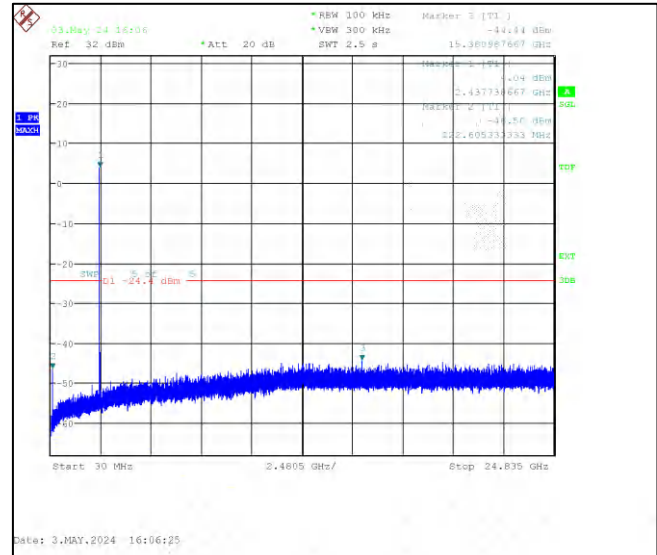
2.7 Conducted Spurious Emission

Modulation: 802.11b

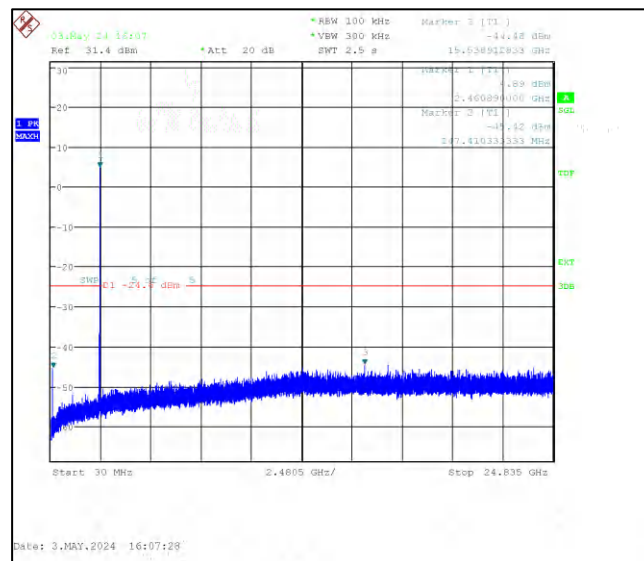
Data Rate: 1Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

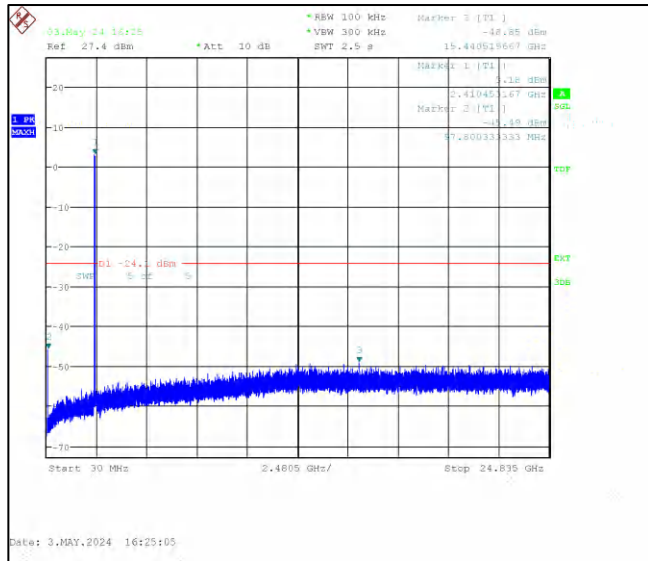
Test Plots

IN24FO3U 001

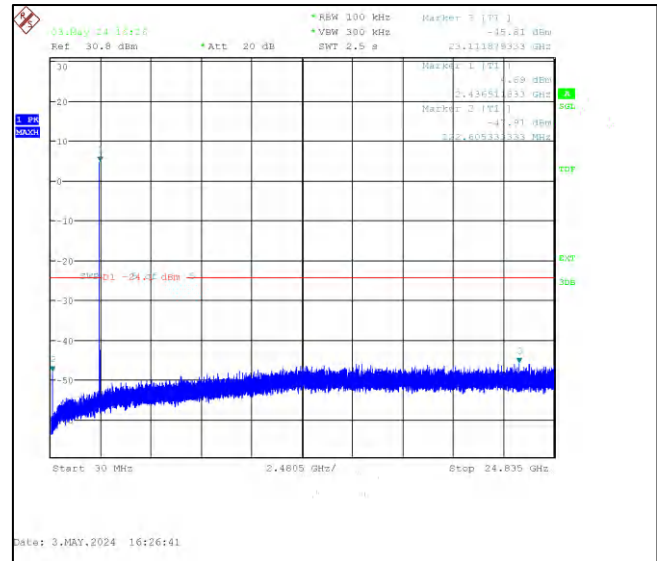
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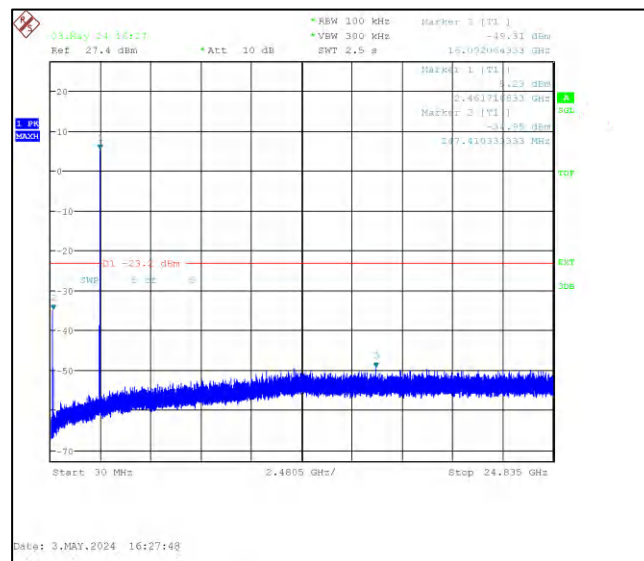
Data Rate: 11Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



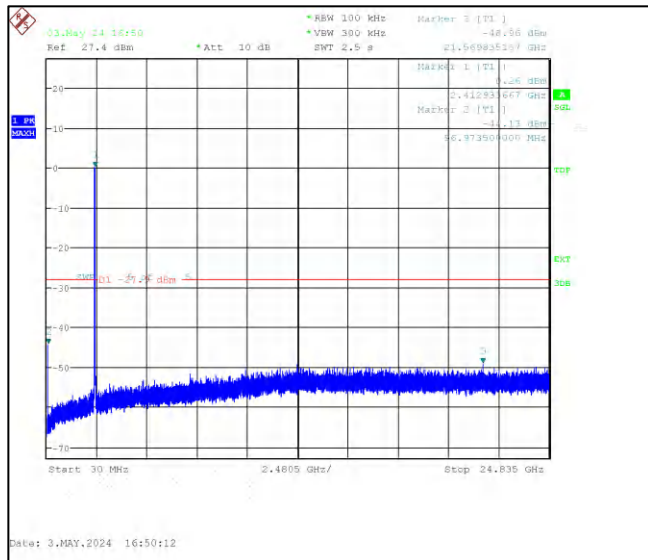
Channel Frequency: 2462MHz

Test Plots

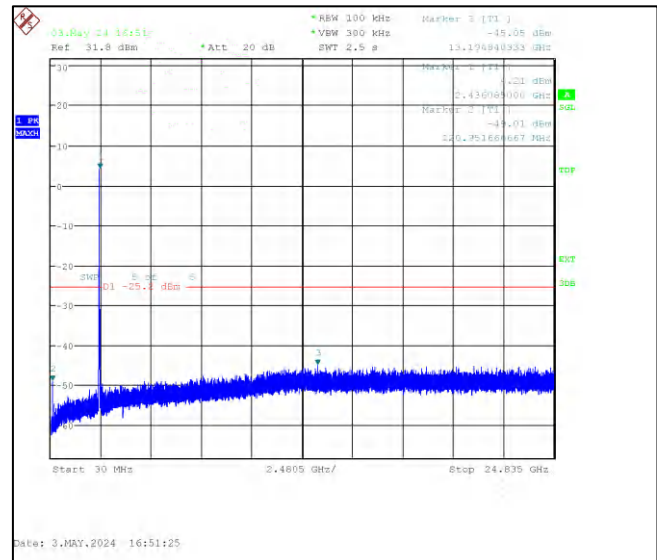
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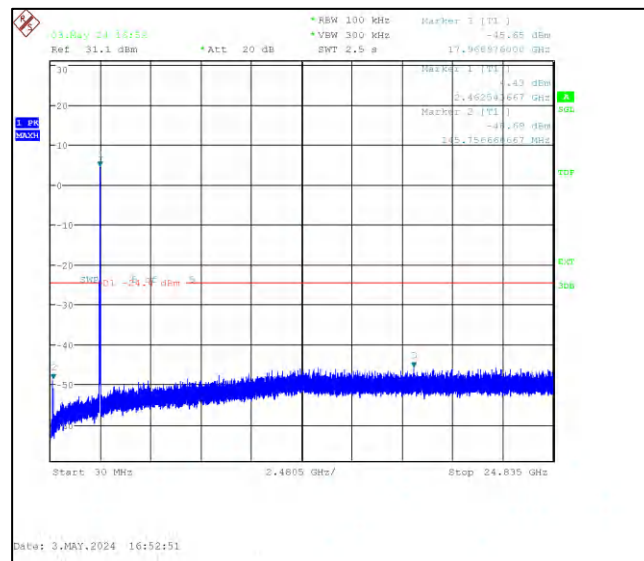
Modulation: 802.11g
Data Rate: 6Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

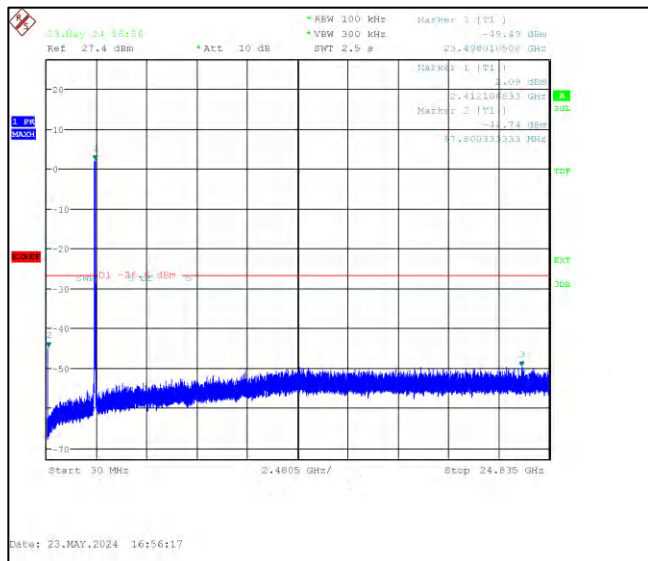
Test Plots

IN24FO3U 001

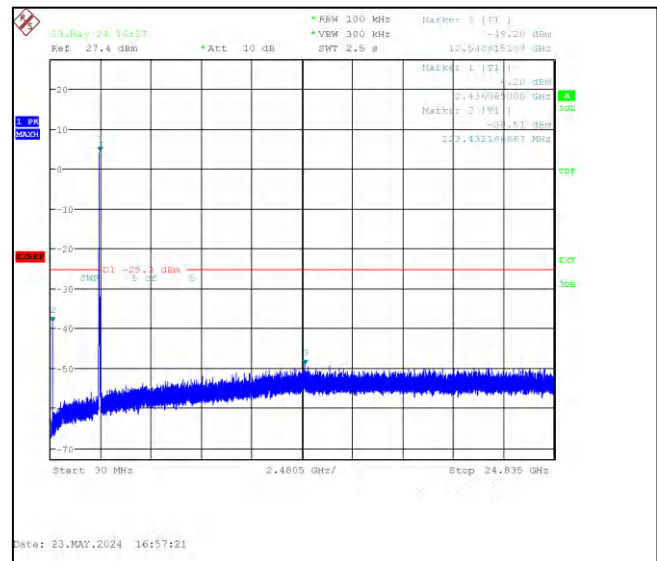
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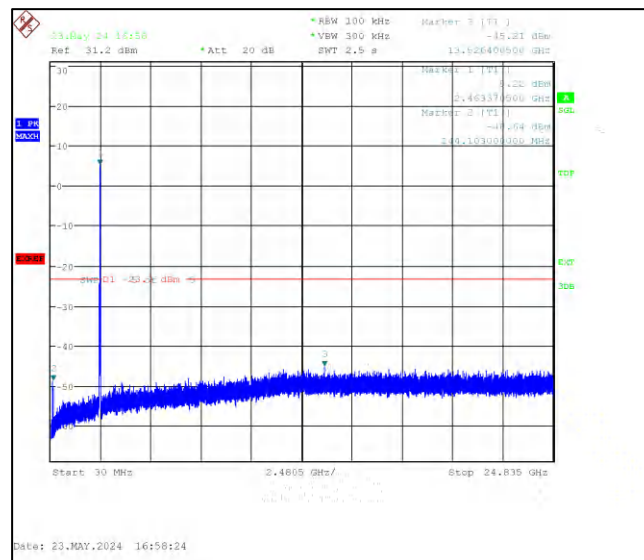
Data Rate: 54Mbps



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz



Channel Frequency: 2462MHz

Test Plots

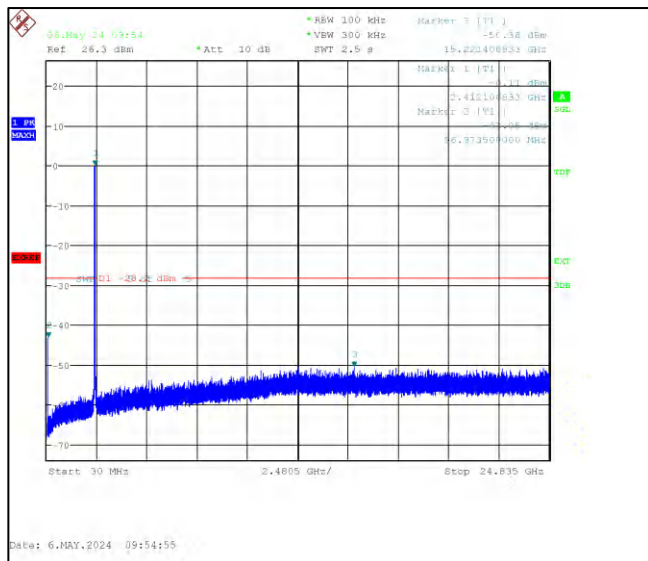
IN24FO3U 001

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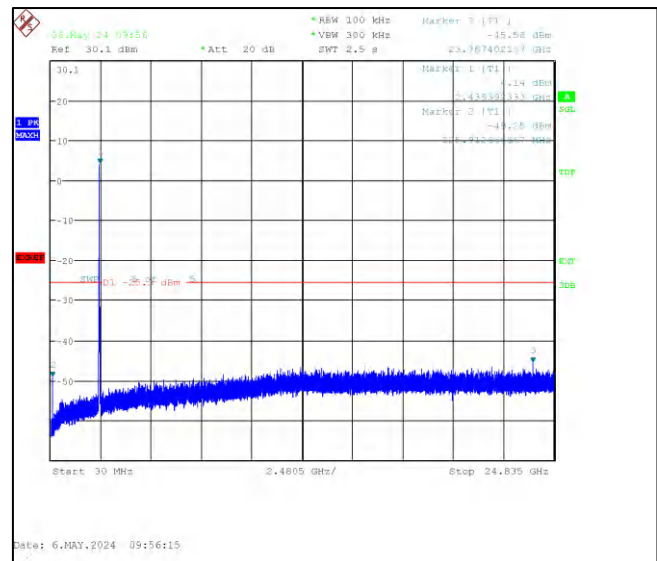
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Modulation: 802.11n HT20

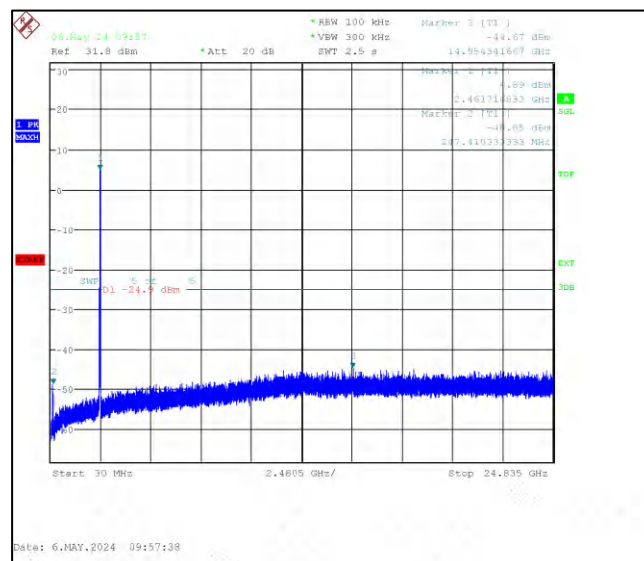
Data Rate: MCS0



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz

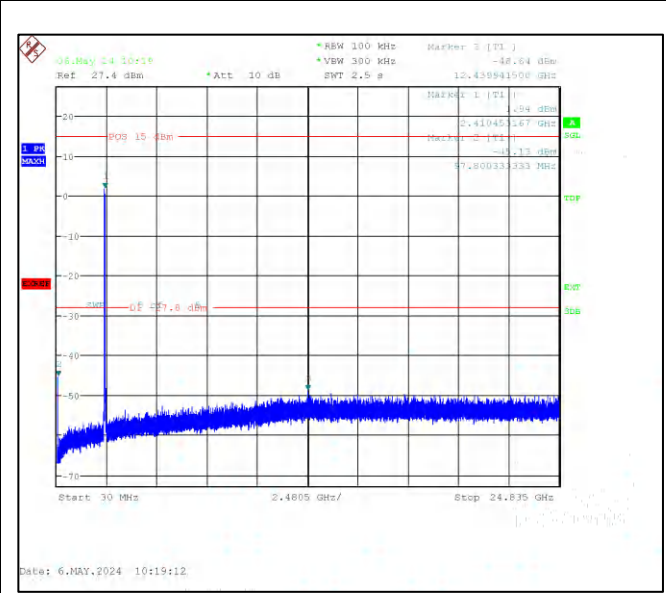


Channel Frequency: 2462MHz

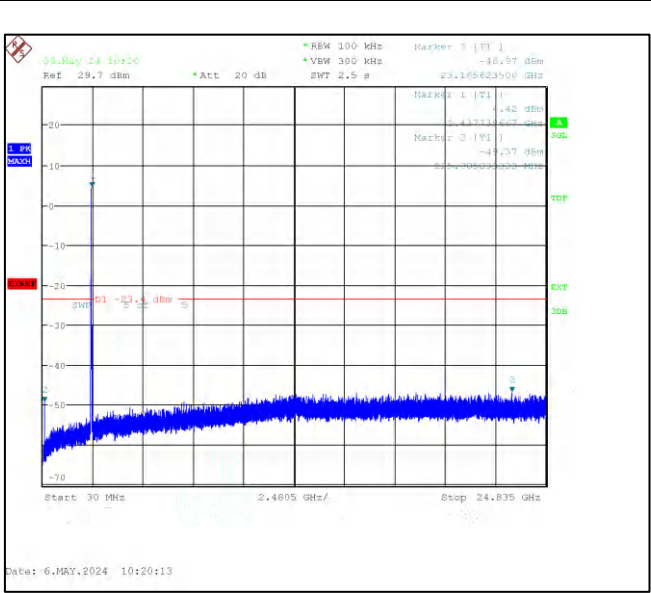
Test Plots

IN24FO3U 001

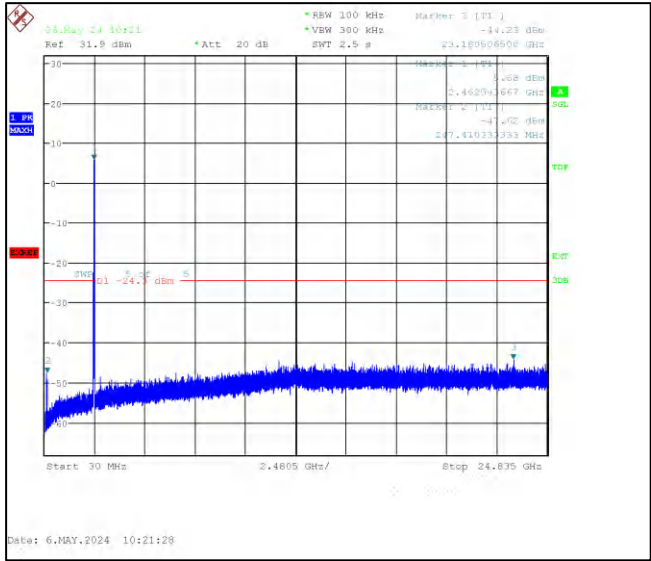
Data Rate: MCS7



Channel Frequency: 2412MHz



Channel Frequency: 2437MHz

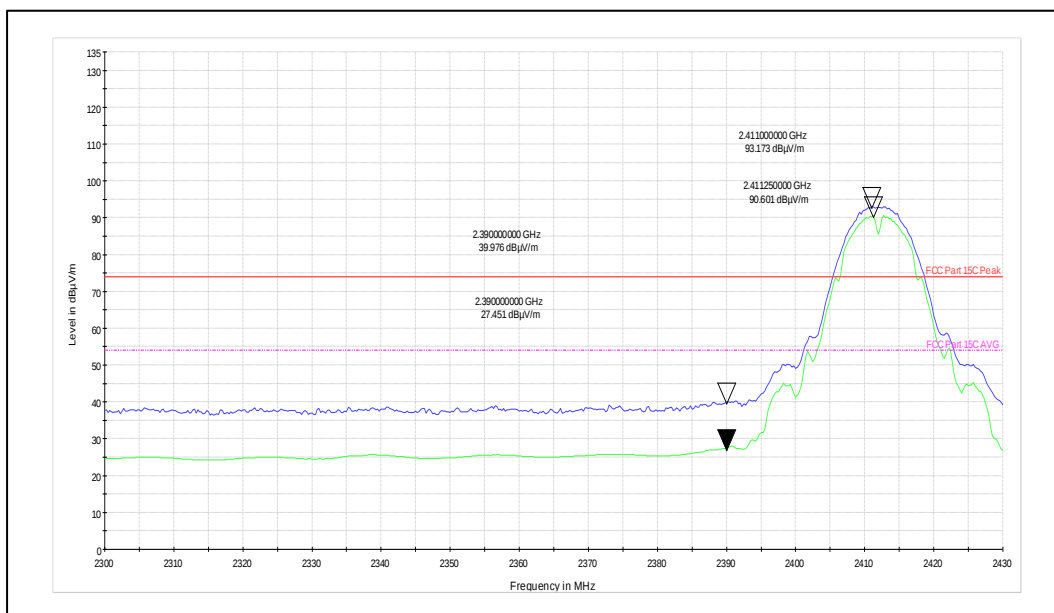


Channel Frequency: 2462MHz

2.8 Restricted Bands of Operation

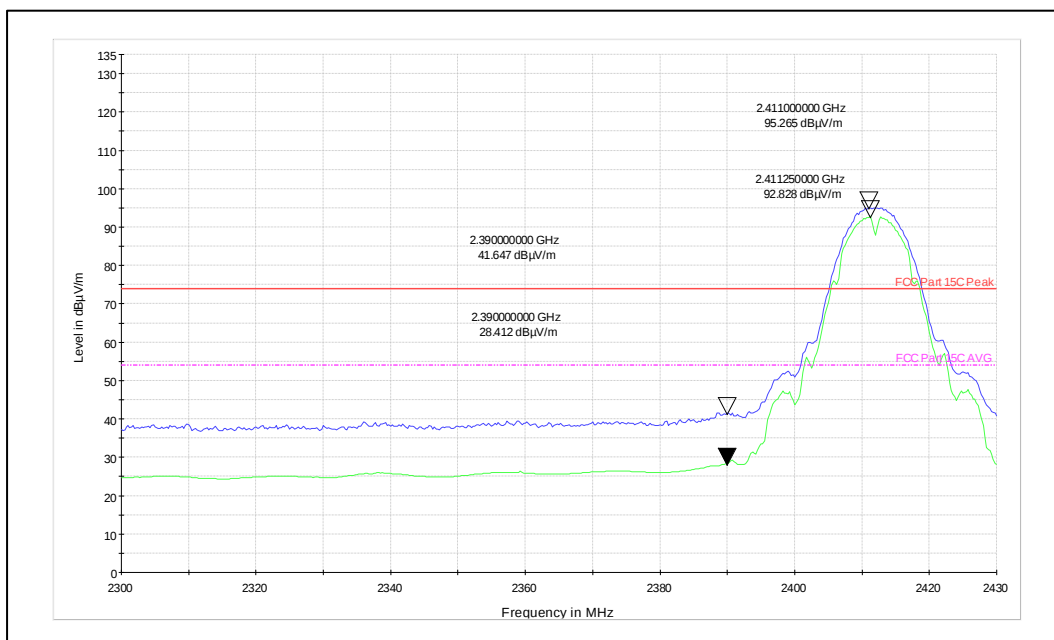
Modulation 802.11b

Data rate: 1Mbps



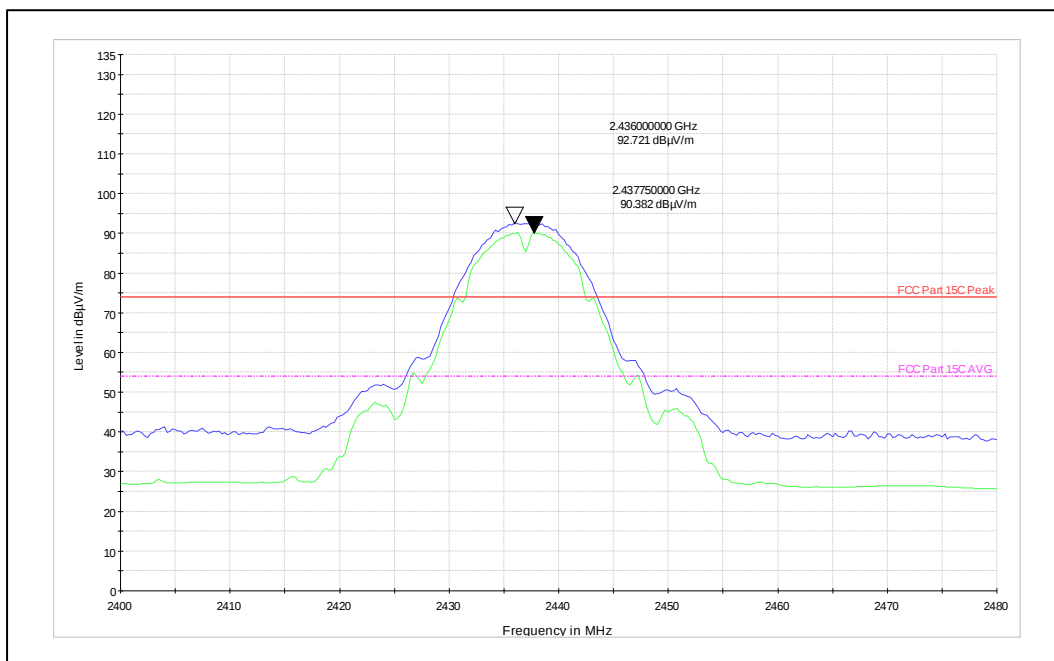
Channel Frequency: 2412MHz

Antenna Polarization: Vertical



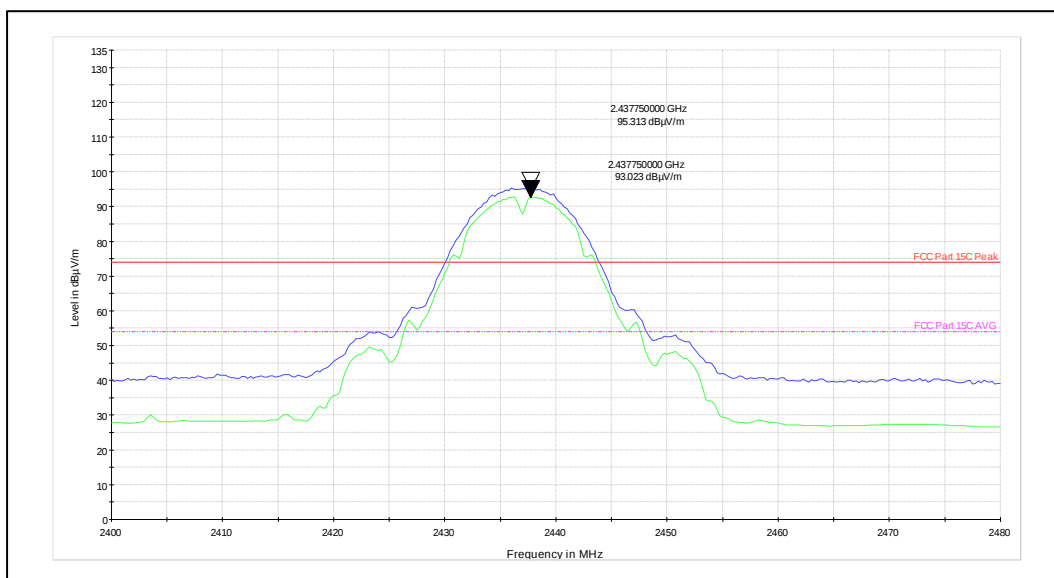
Channel Frequency: 2412MHz

Antenna Polarization: Horizontal



Channel Frequency: 2437MHz

Antenna Polarization: Vertical



Channel Frequency: 2437MHz

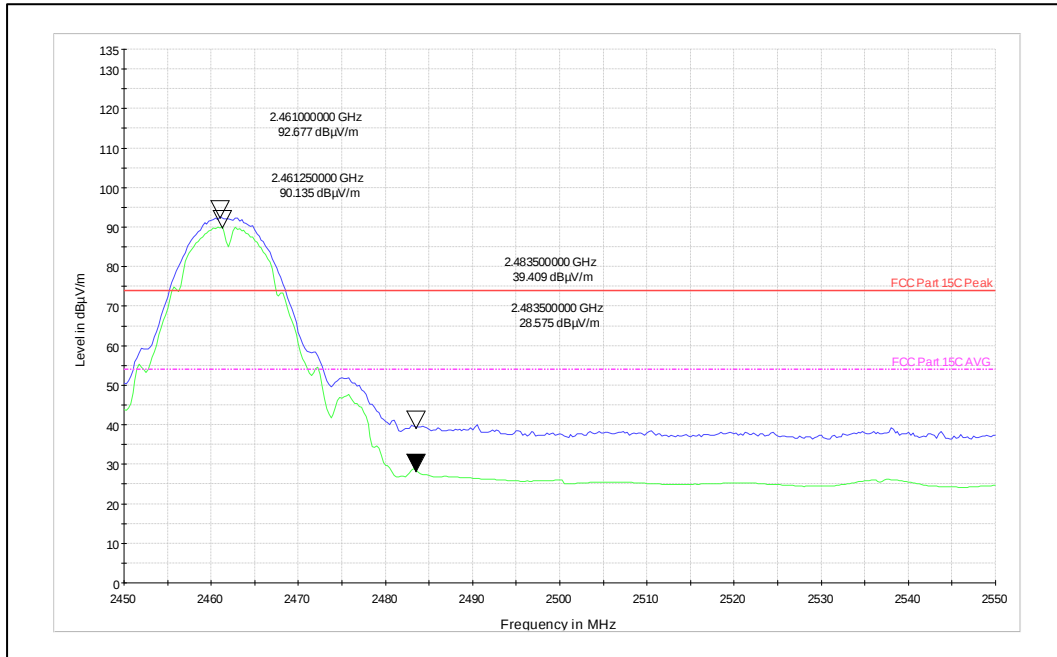
Antenna Polarization: Horizontal

Test Plots

IN24FO3U 001

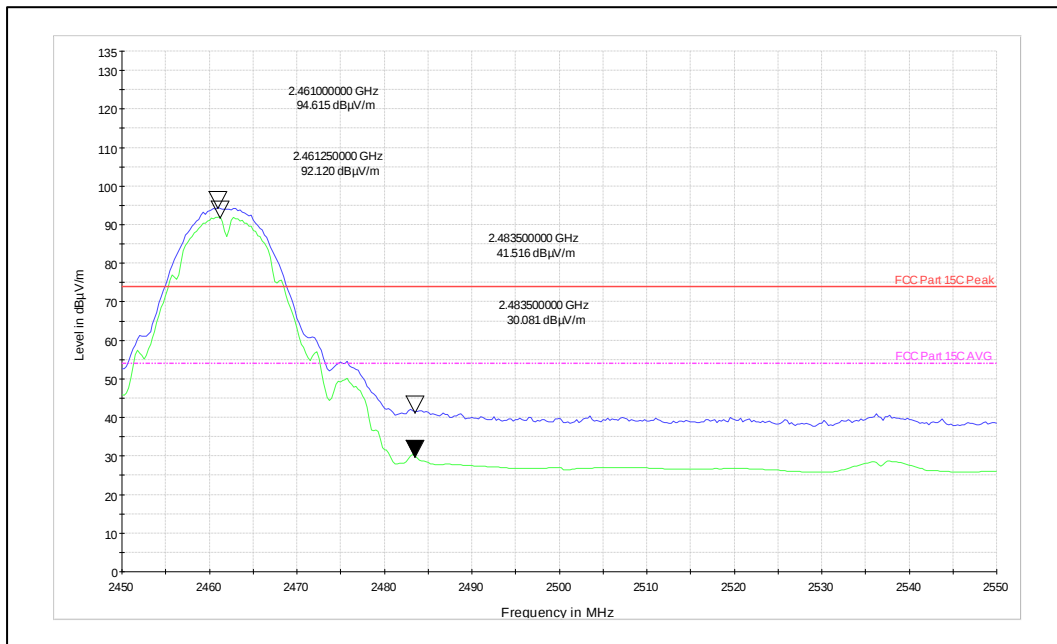
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Channel Frequency: 2462MHz

Antenna Polarization: Vertical



Channel Frequency: 2462MHz

Antenna Polarization: Horizontal

Test Plots

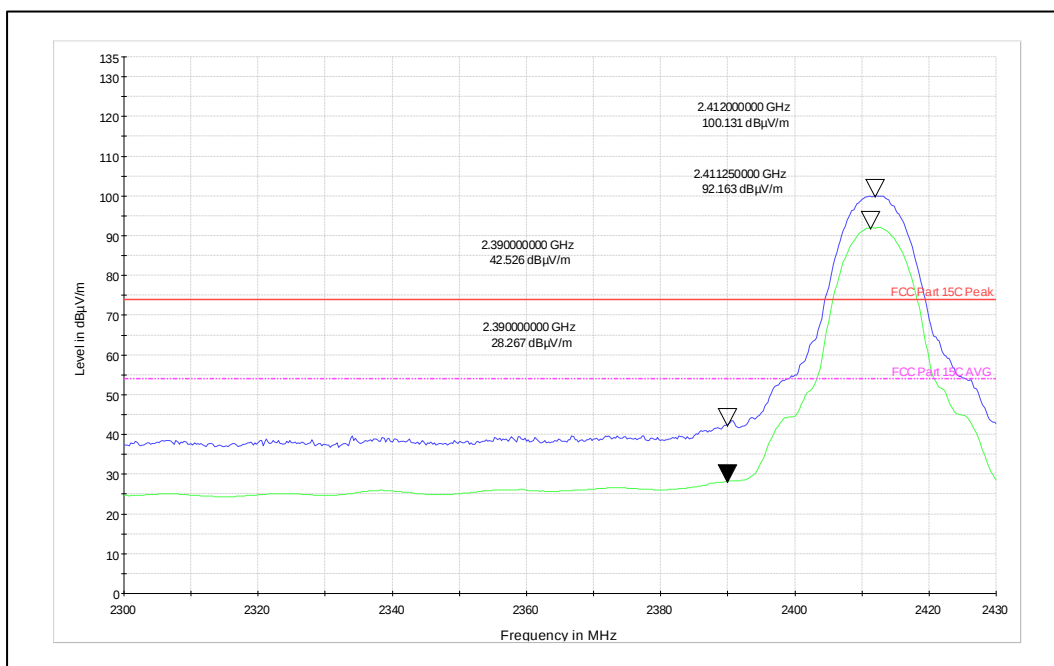
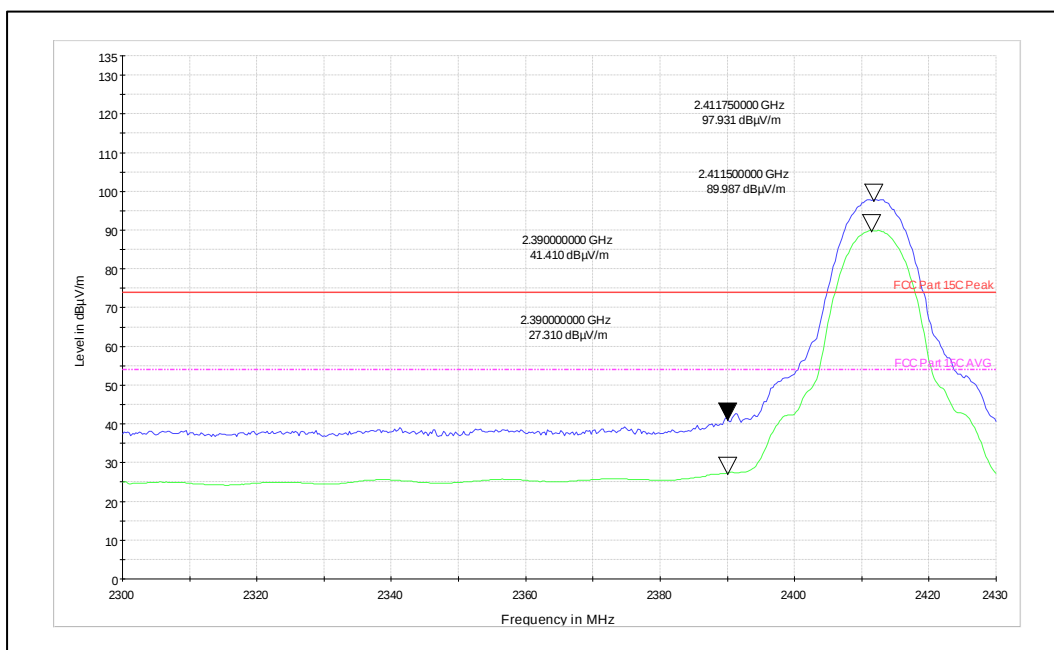
IN24FO3U 001

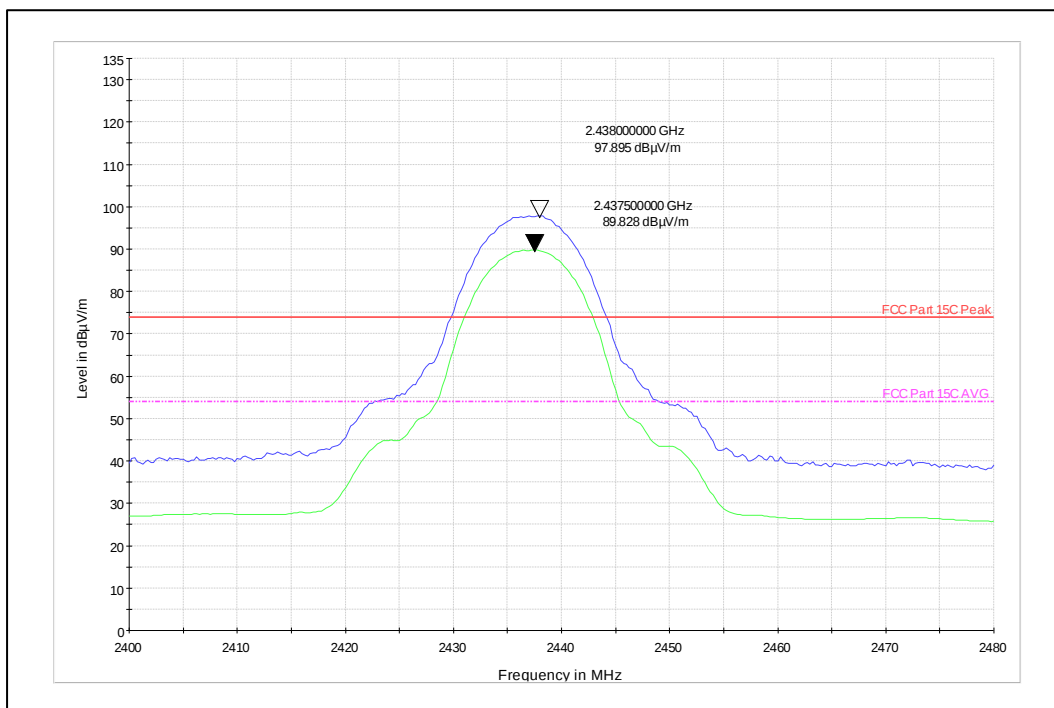
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Modulation 802.11b

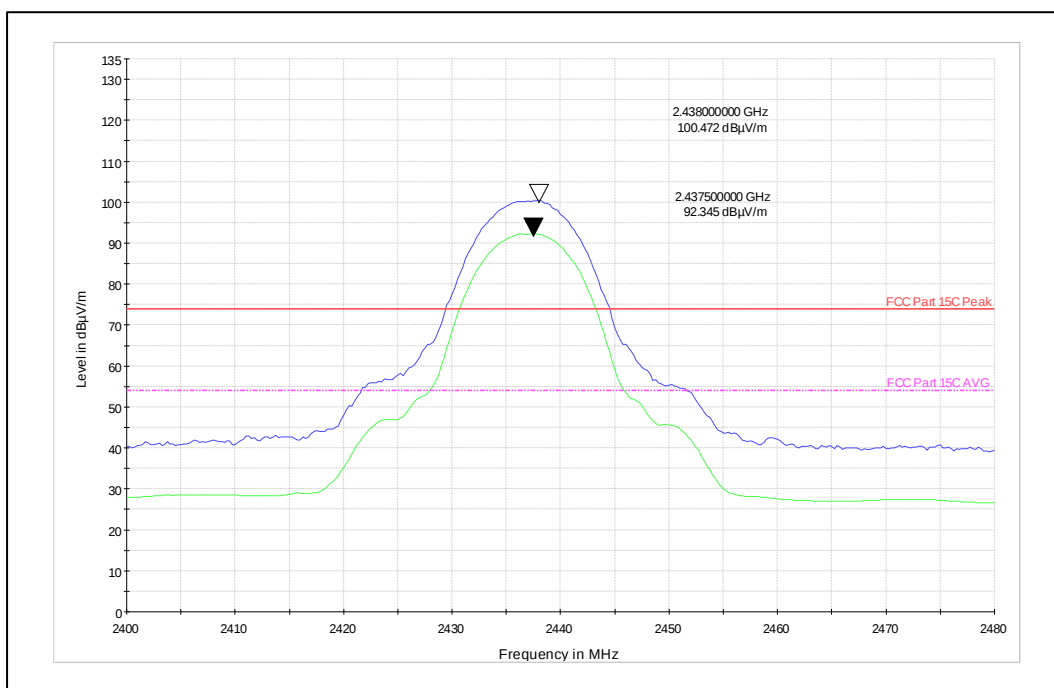
Data rate: 11Mbps





Channel Frequency: 2437MHz

Antenna Polarization: Vertical



Channel Frequency: 2437MHz

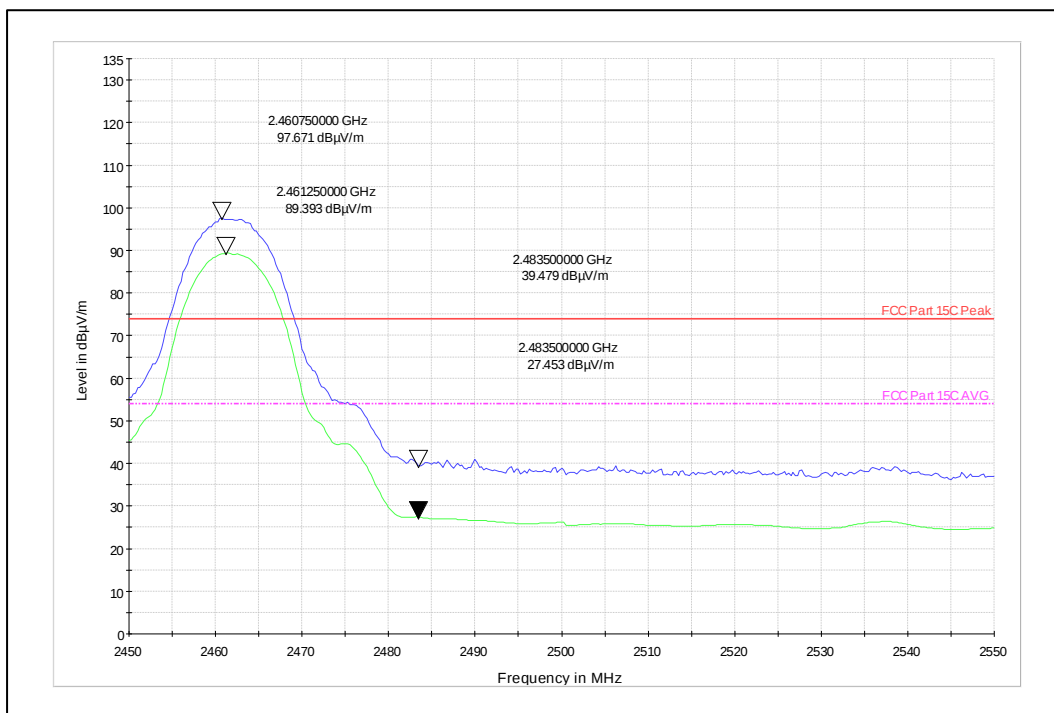
Antenna Polarization: Horizontal

Test Plots

IN24FO3U 001

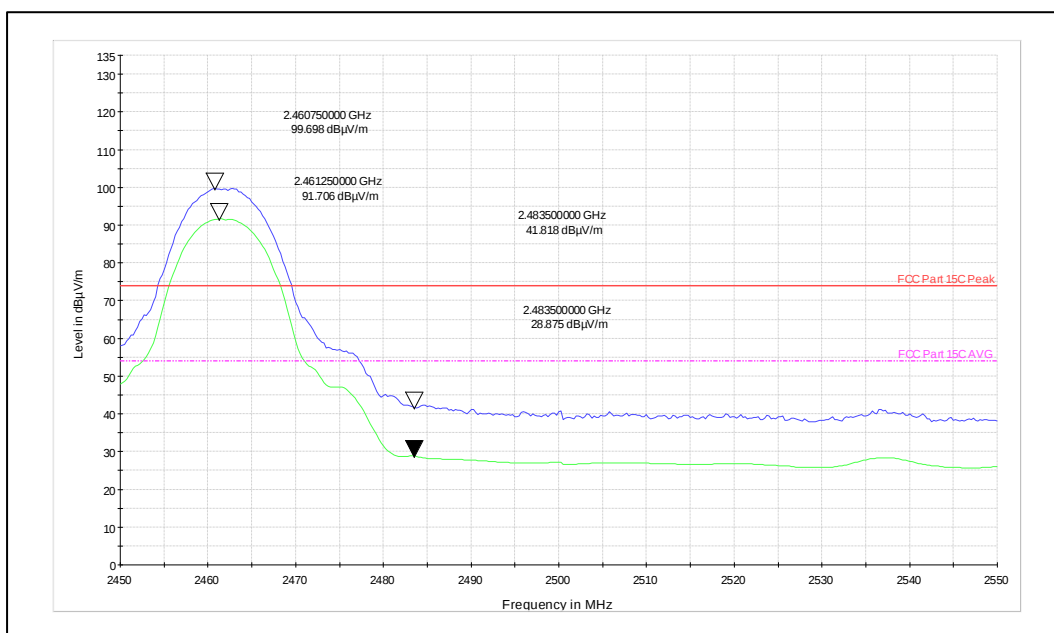
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Channel Frequency: 2462MHz

Antenna Polarization: Vertical



Channel Frequency: 2462MHz

Antenna Polarization: Horizontal

Test Plots

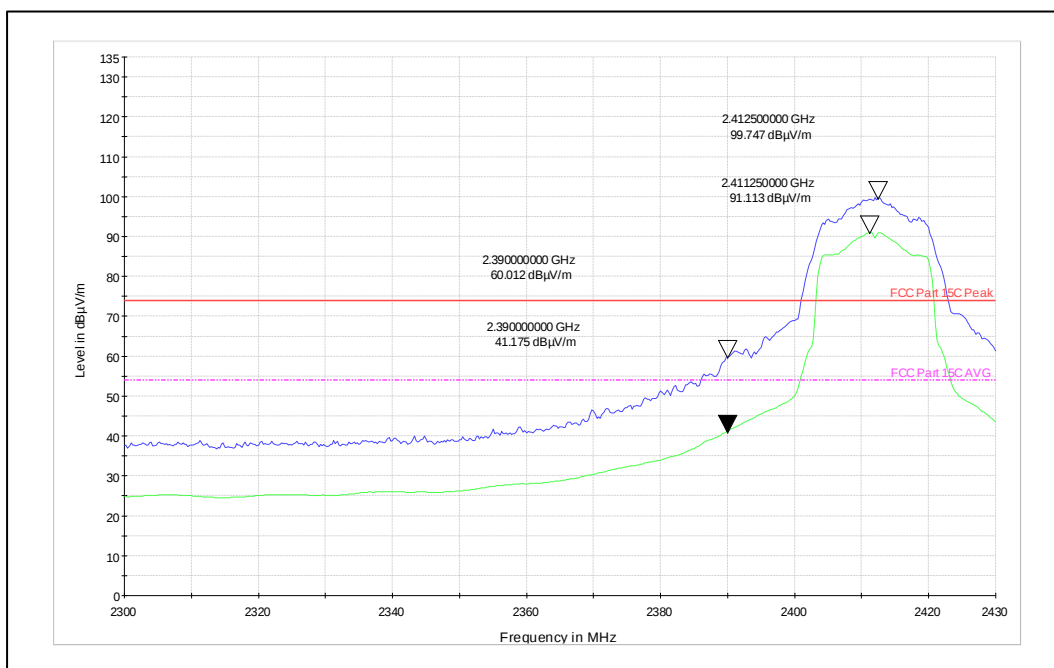
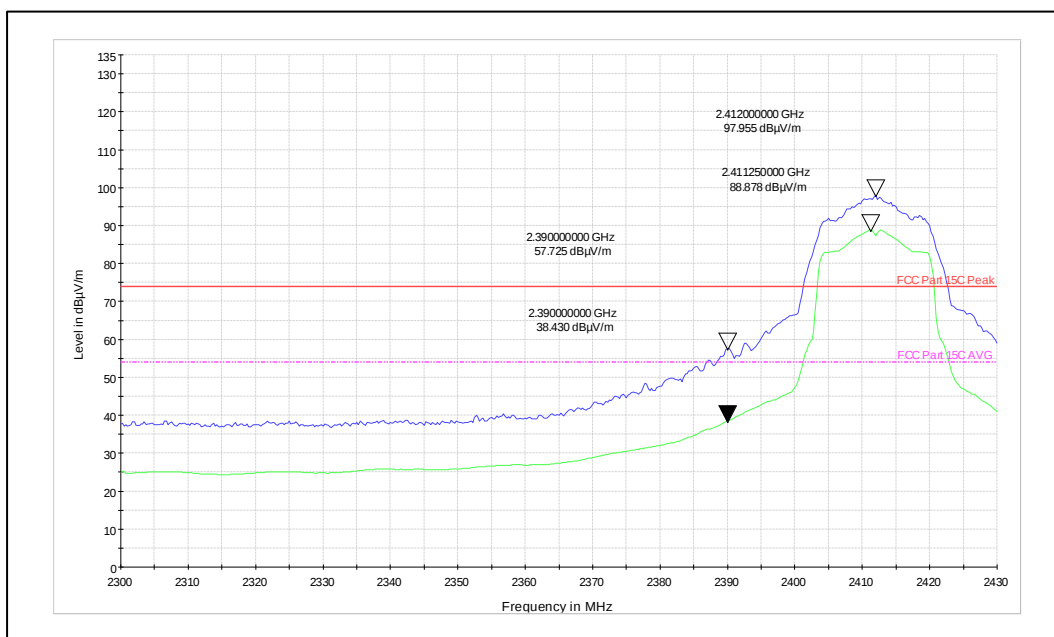
IN24FO3U 001

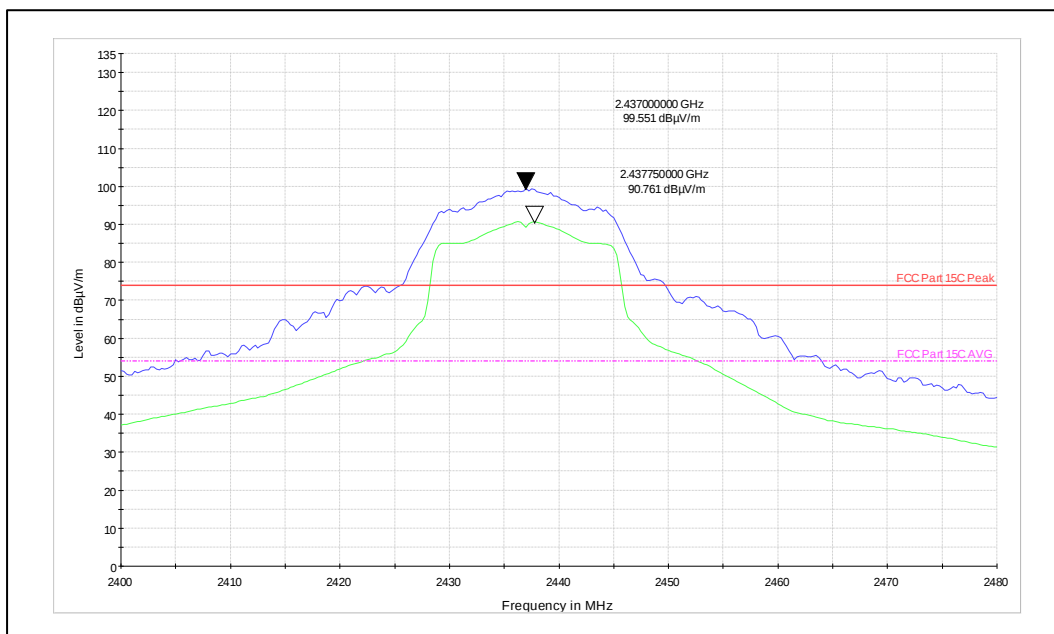
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Modulation 802.11g

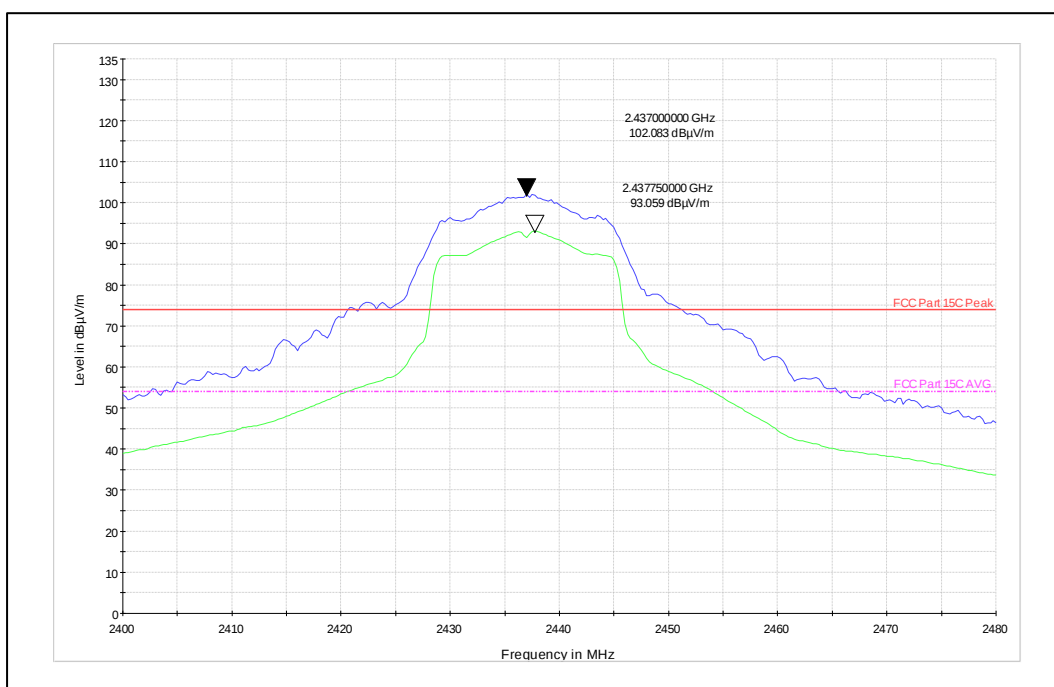
Data rate: 6Mbps





Channel Frequency: 2437MHz

Antenna Polarization: Vertical



Channel Frequency: 2437MHz

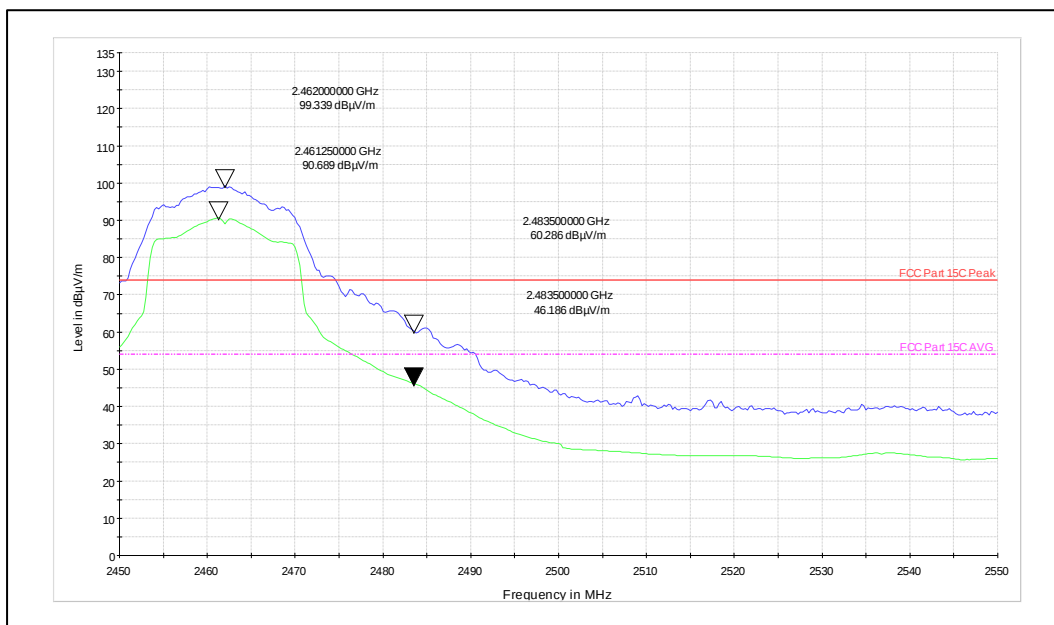
Antenna Polarization: Horizontal

Test Plots

IN24FO3U 001

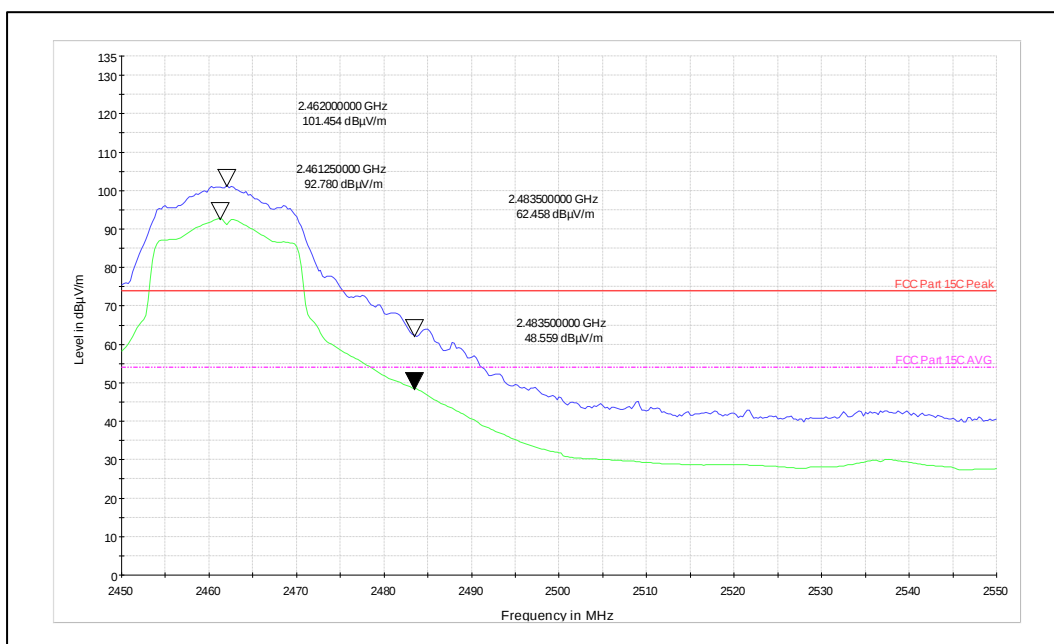
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Channel Frequency: 2462MHz

Antenna Polarization: Vertical



Channel Frequency: 2462MHz

Antenna Polarization: Horizontal

Test Plots

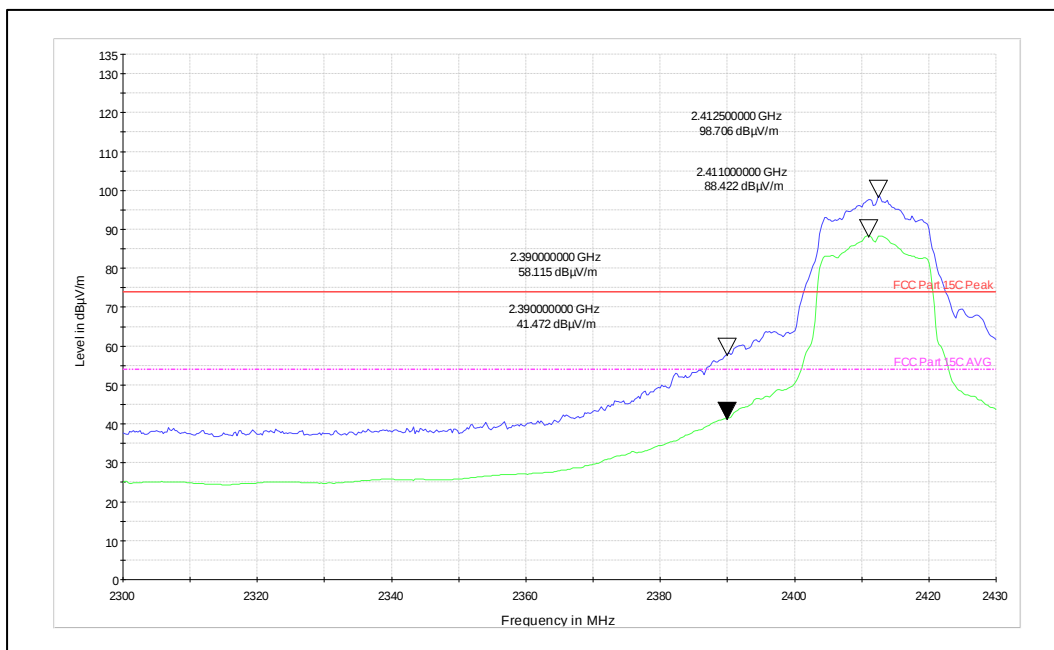
IN24FO3U 001

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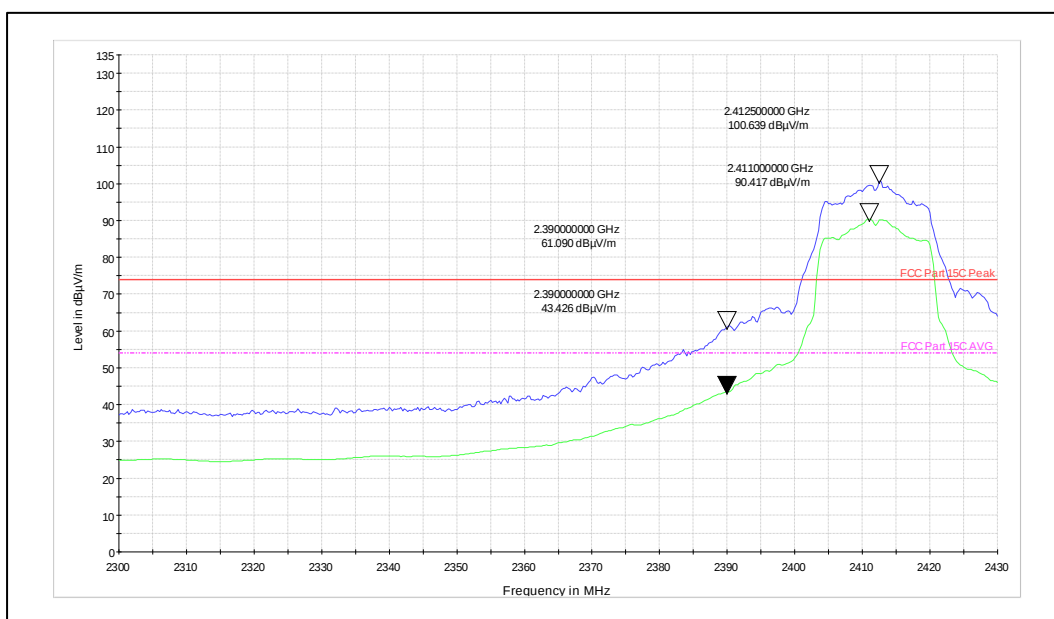
Modulation 802.11g

Data rate: 54Mbps



Channel Frequency: 2412MHz

Antenna Polarization: Vertical



Channel Frequency: 2412MHz

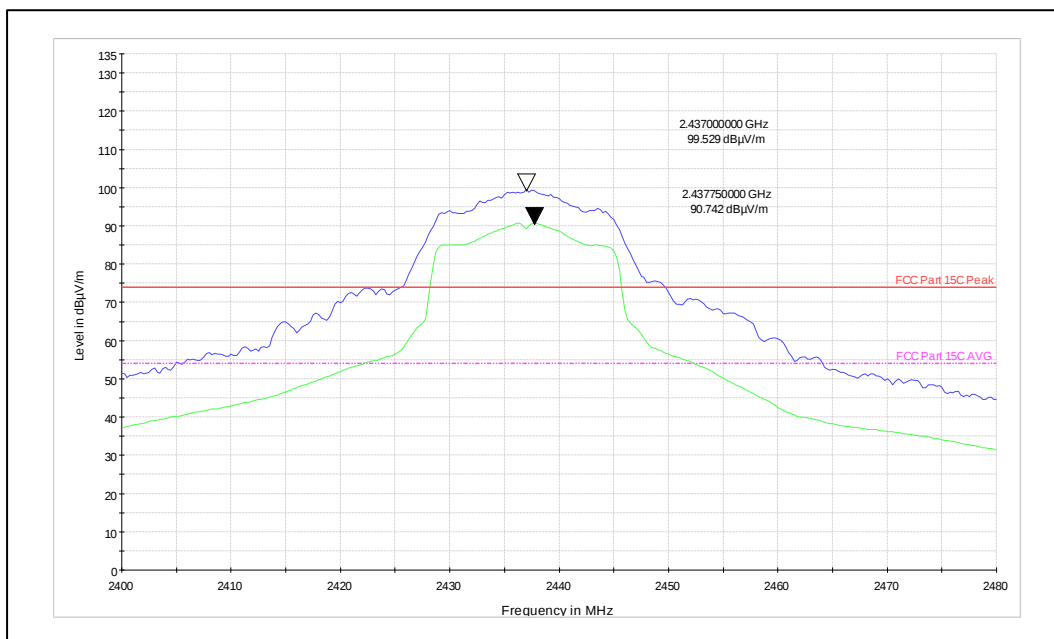
Antenna Polarization: Horizontal

Test Plots

IN24FO3U 001

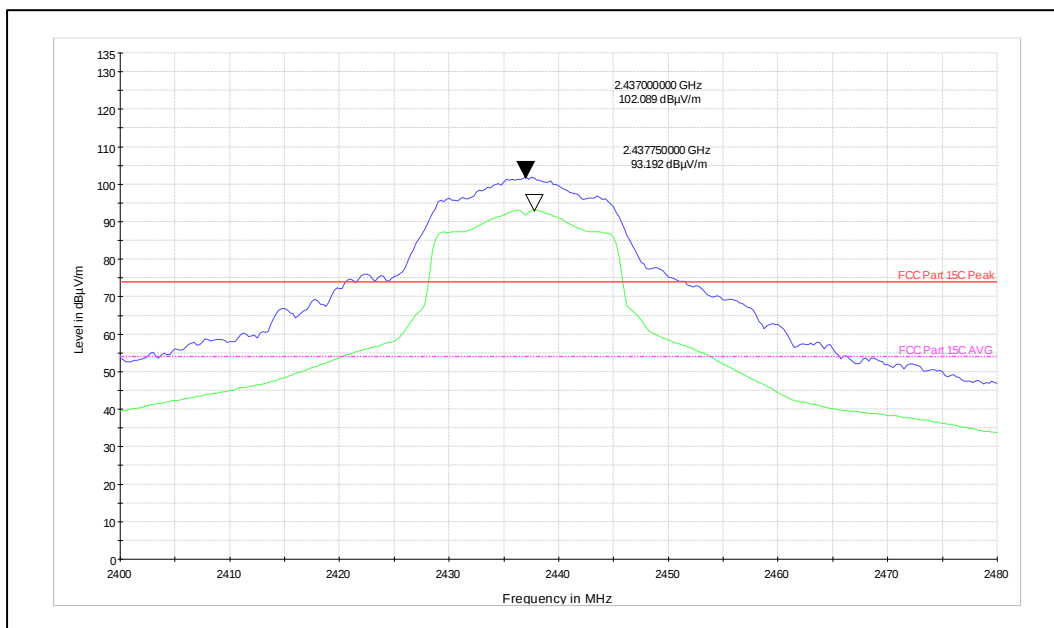
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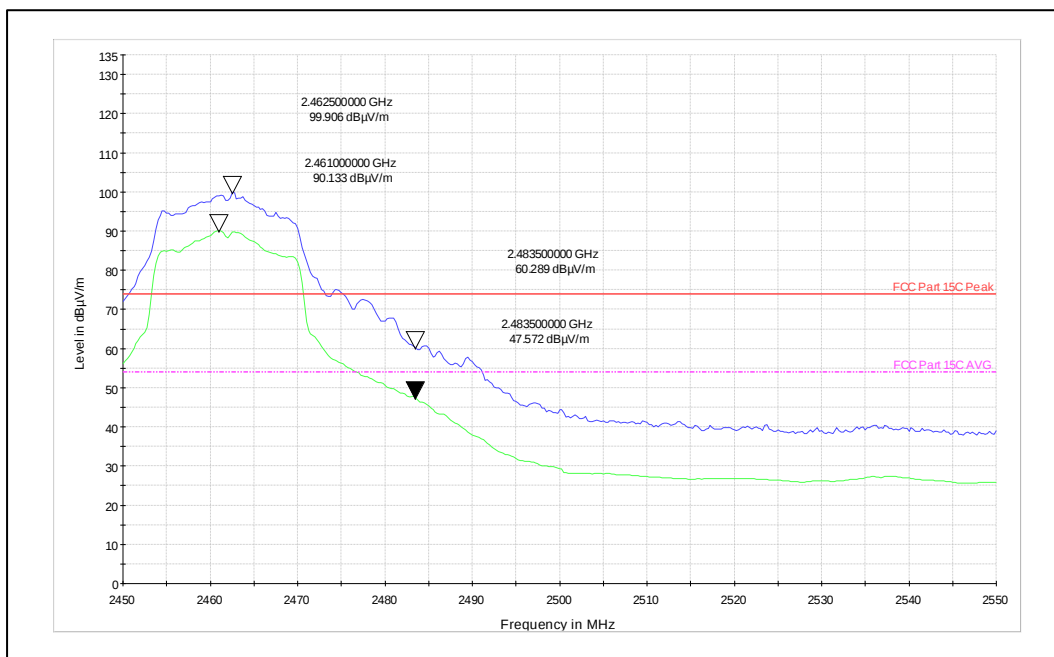
Channel Frequency: 2437MHz

Antenna Polarization: Vertical



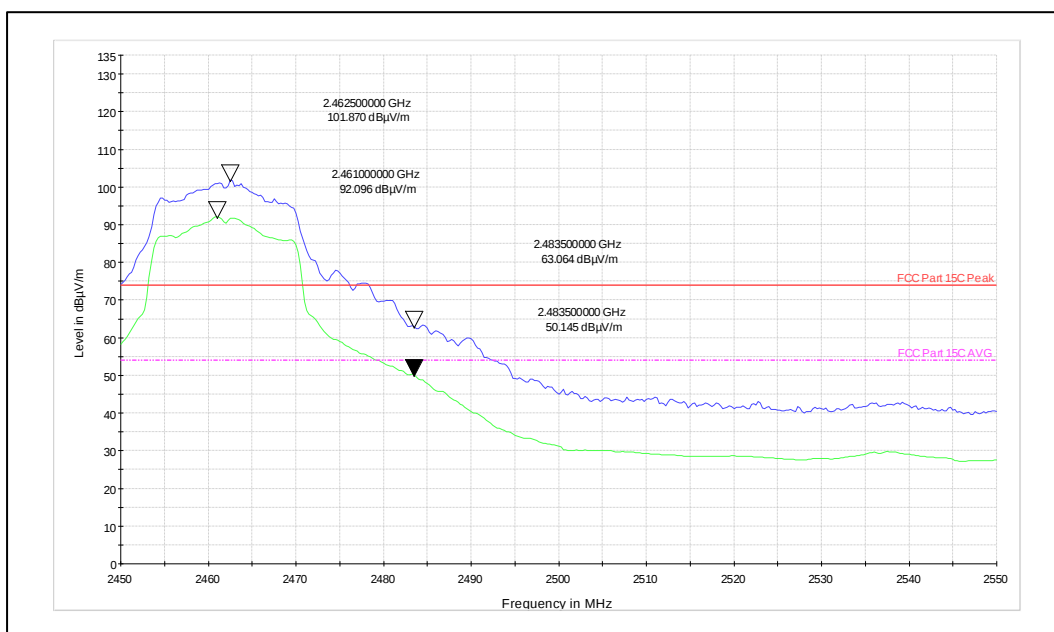
Channel Frequency: 2437MHz

Antenna Polarization: Horizontal



Channel Frequency: 2462MHz

Antenna Polarization: Vertical



Channel Frequency: 2462MHz

Antenna Polarization: Horizontal

Test Plots

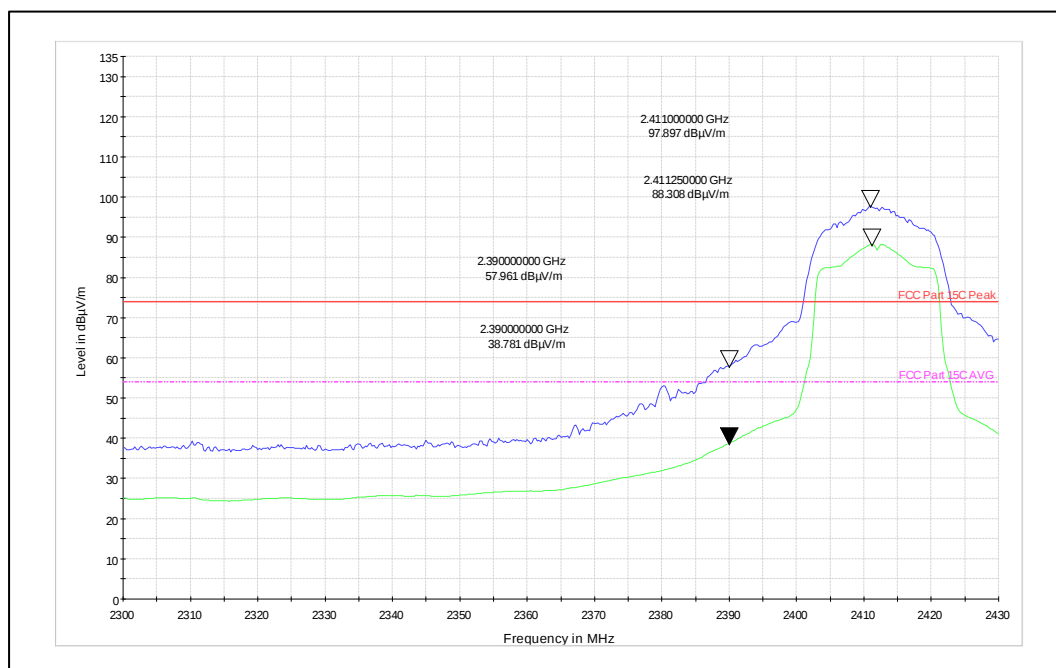
IN24FO3U 001

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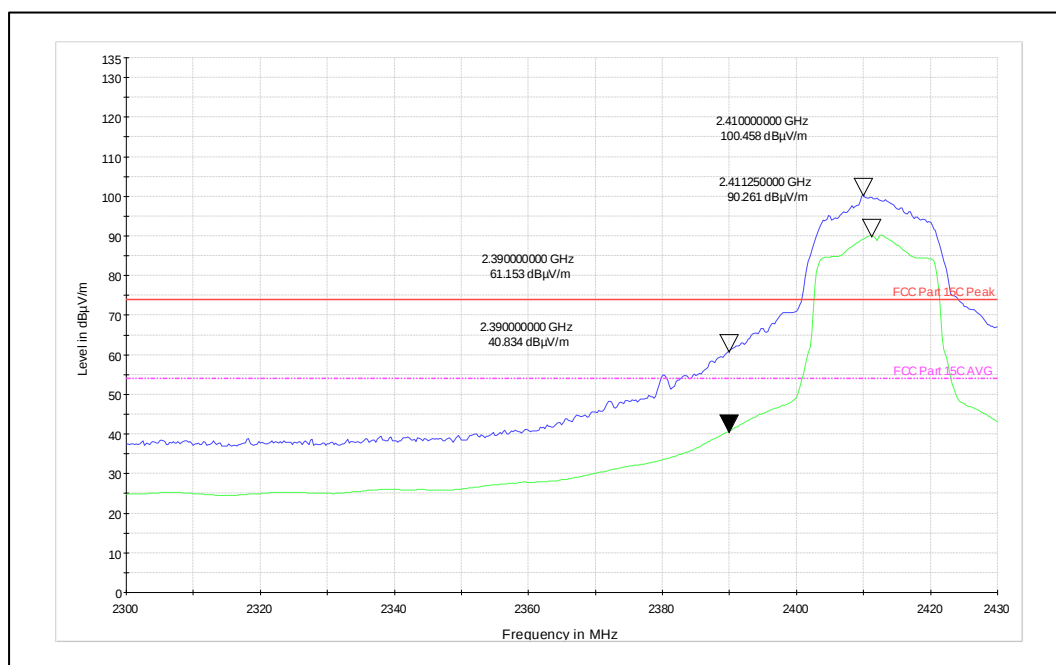
Modulation 802.11n HT20

Data rate: MCS0



Channel Frequency: 2412MHz

Antenna Polarization: Vertical



Channel Frequency: 2412MHz

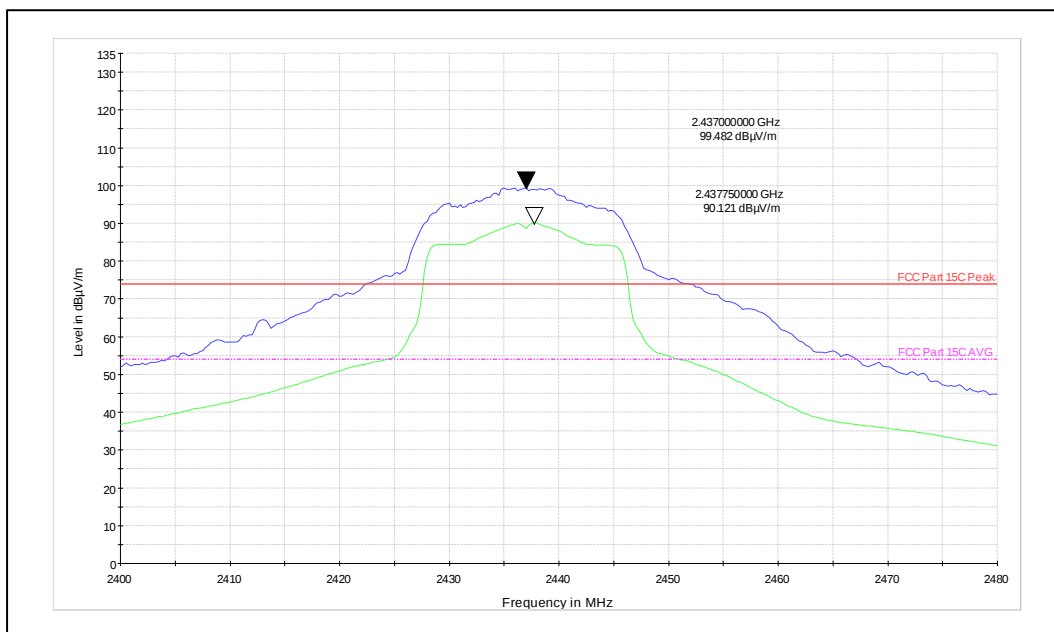
Antenna Polarization: Horizontal

Test Plots

IN24FO3U 001

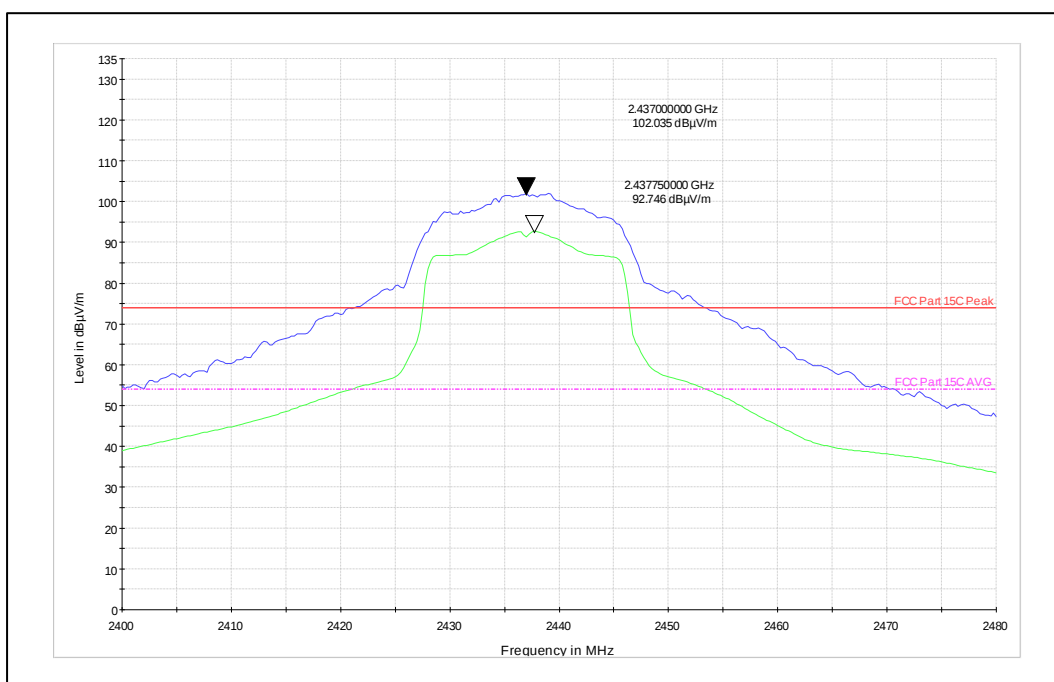
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Channel Frequency: 2437MHz

Antenna Polarization: Vertical



Channel Frequency: 2437MHz

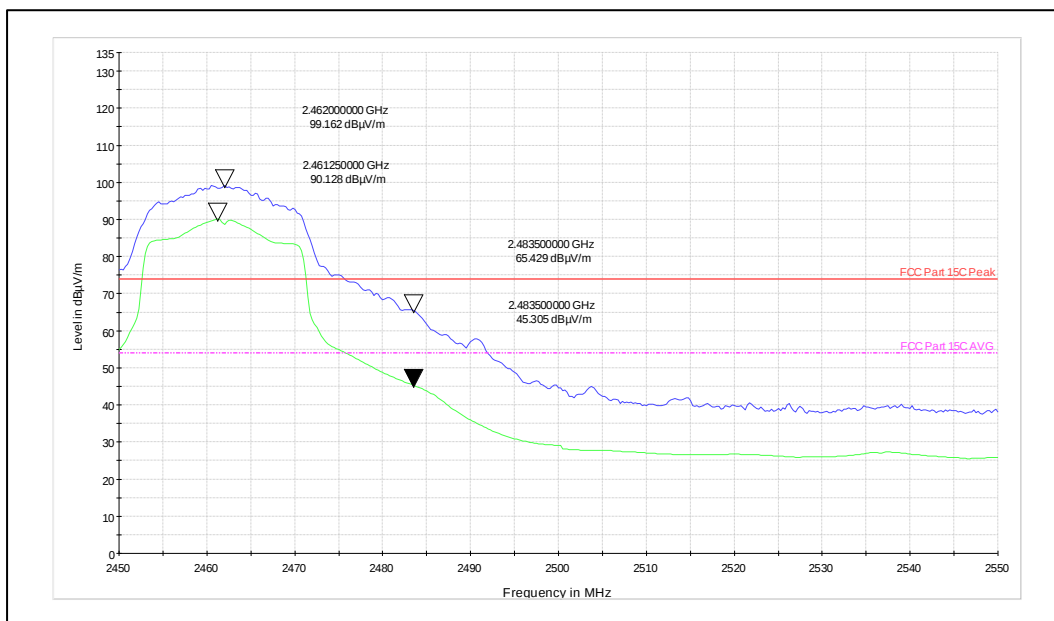
Antenna Polarization: Horizontal

Test Plots

IN24FO3U 001

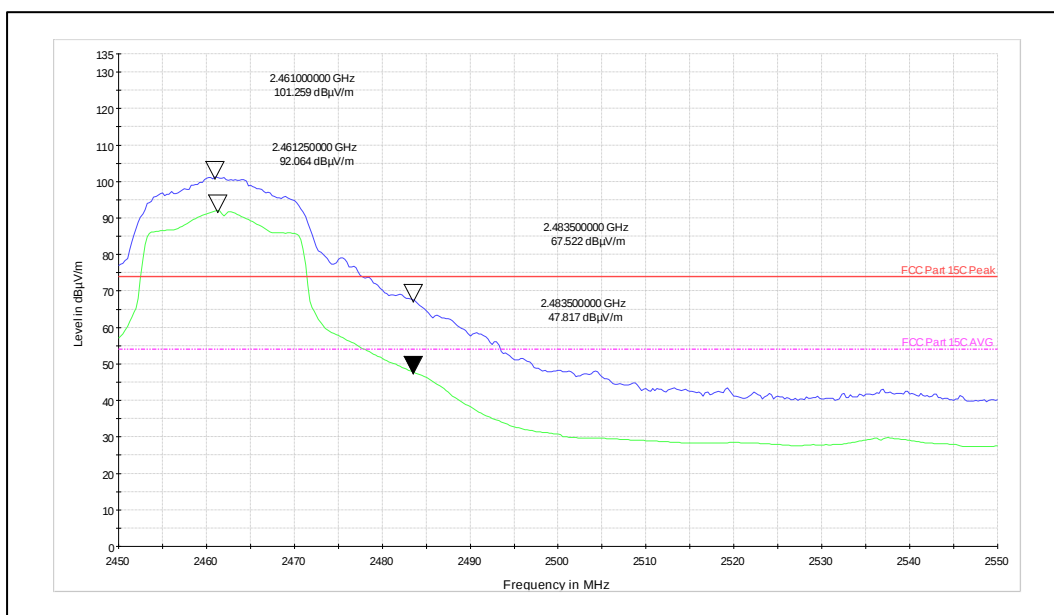
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Channel Frequency: 2462MHz

Antenna Polarization: Vertical



Channel Frequency: 2462MHz

Antenna Polarization: Horizontal

Test Plots

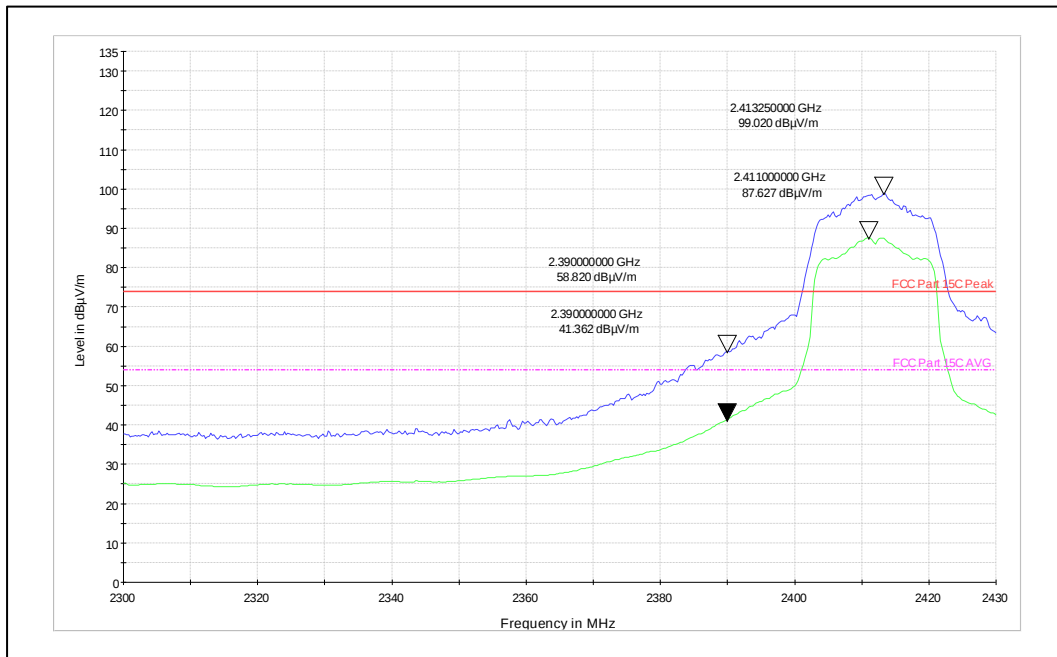
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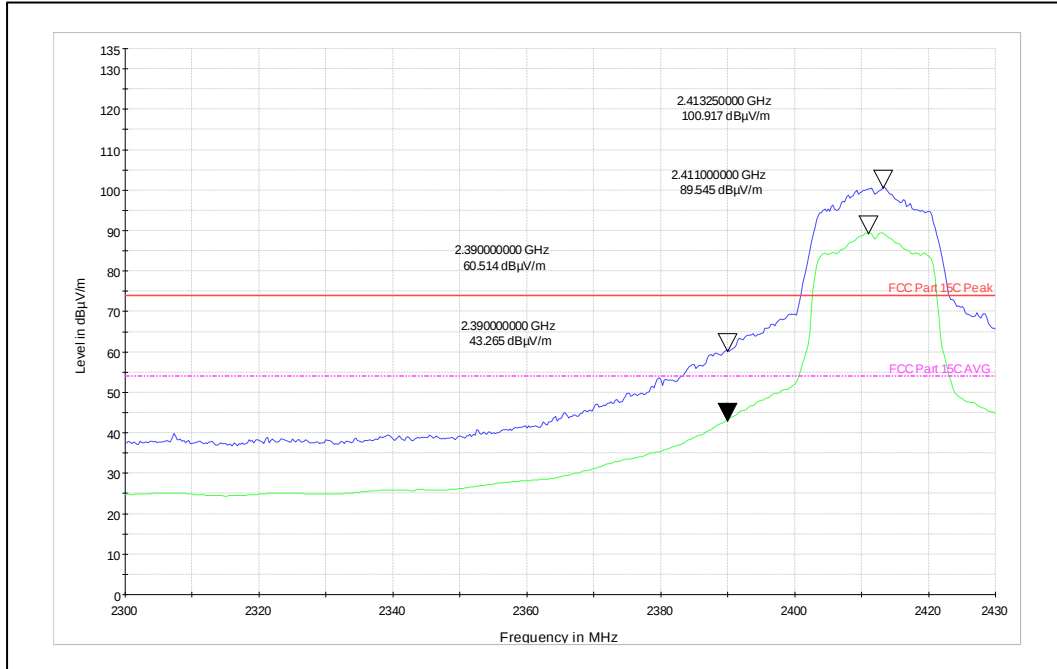
Modulation 802.11n HT20

Data rate: MCS7



Channel Frequency: 2412MHz

Antenna Polarization: Vertical



Channel Frequency: 2412MHz

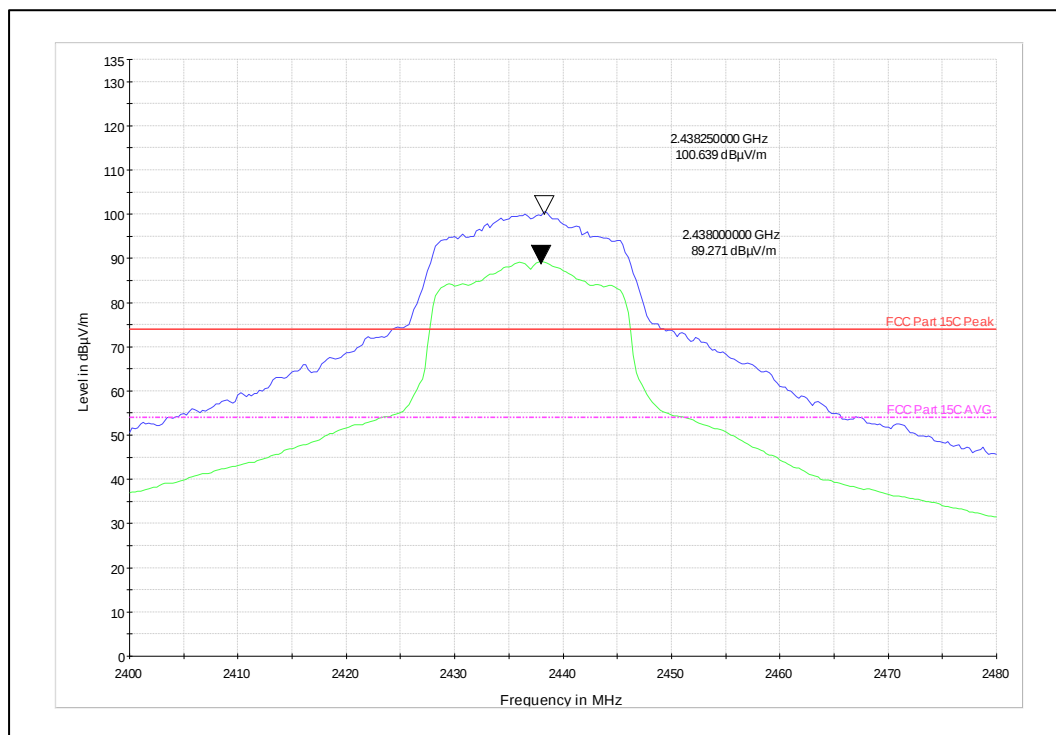
Antenna Polarization: Horizontal

Test Plots

IN24FO3U 001

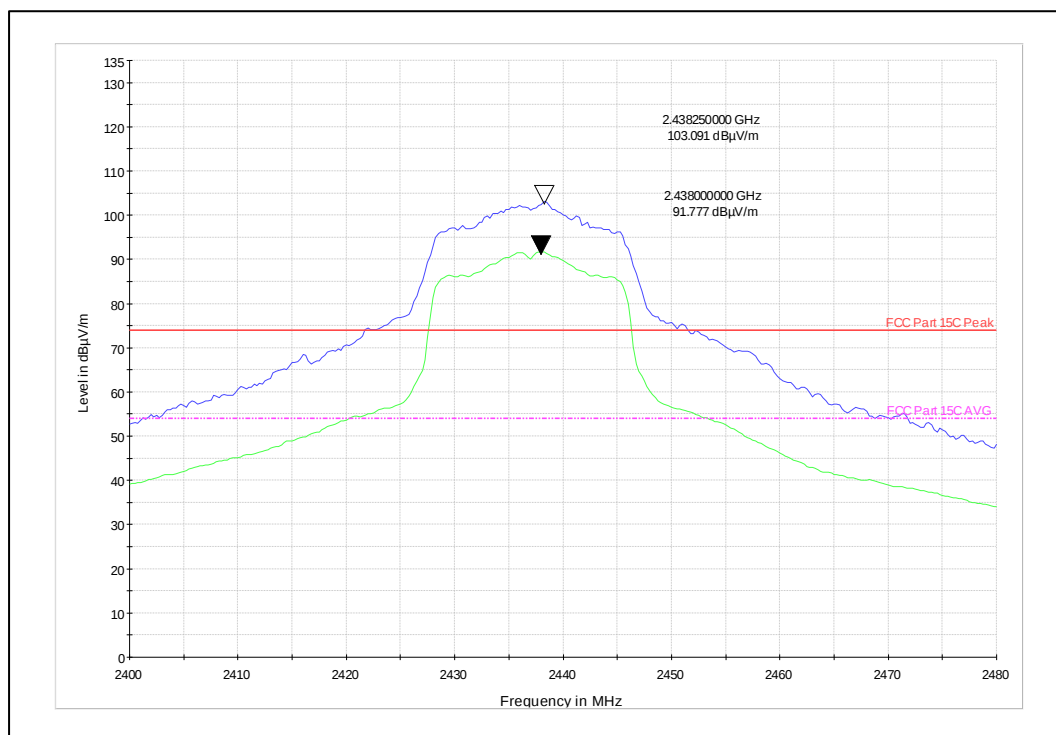
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Channel Frequency: 2437MHz

Antenna Polarization: Vertical



Channel Frequency: 2437MHz

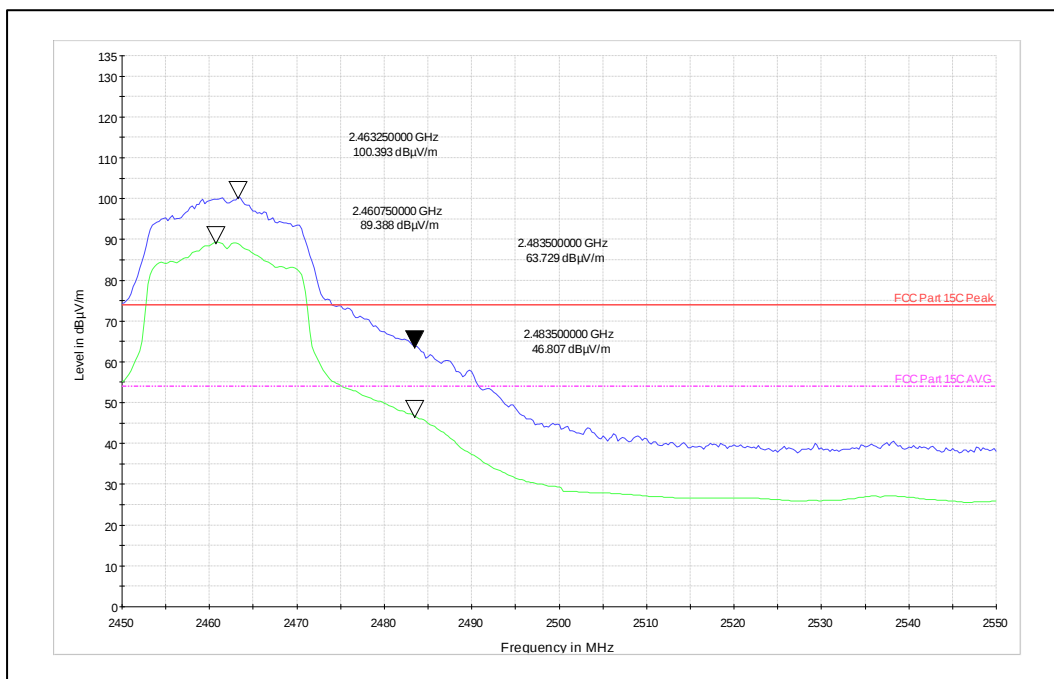
Antenna Polarization: Horizontal

Test Plots

IN24FO3U 001

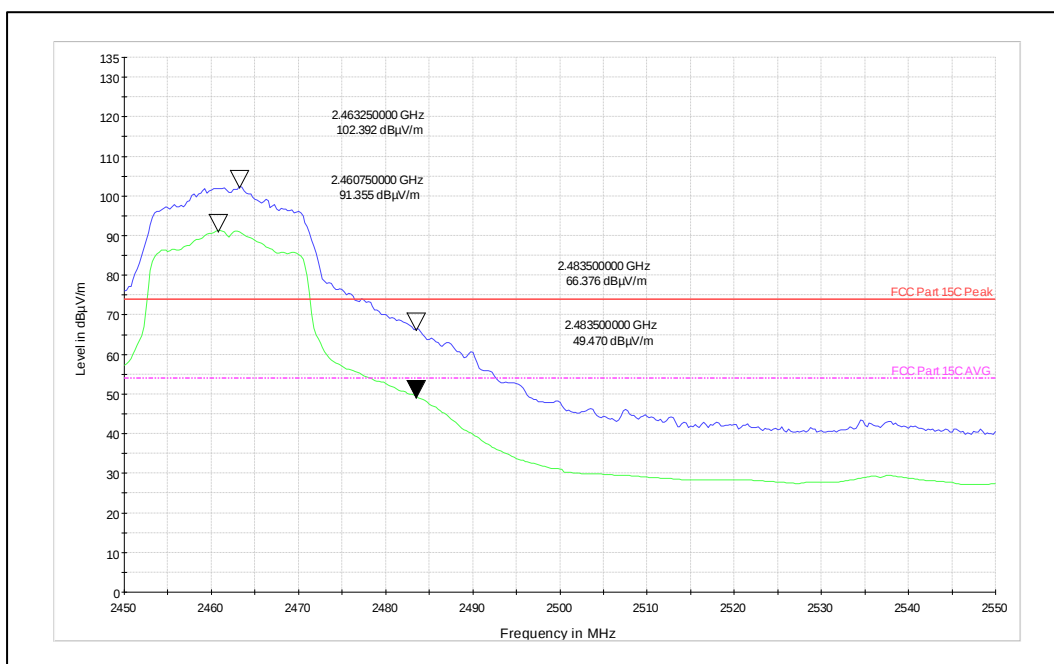
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Channel Frequency: 2462MHz

Antenna Polarization: Vertical



Channel Frequency: 2462MHz

Antenna Polarization: Horizontal

Test Plots

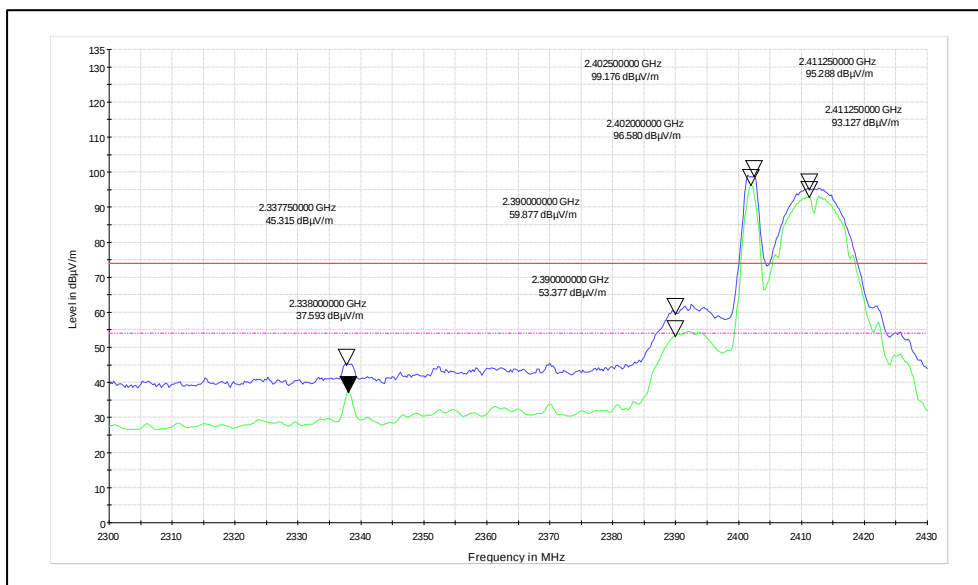
IN24FO3U 001

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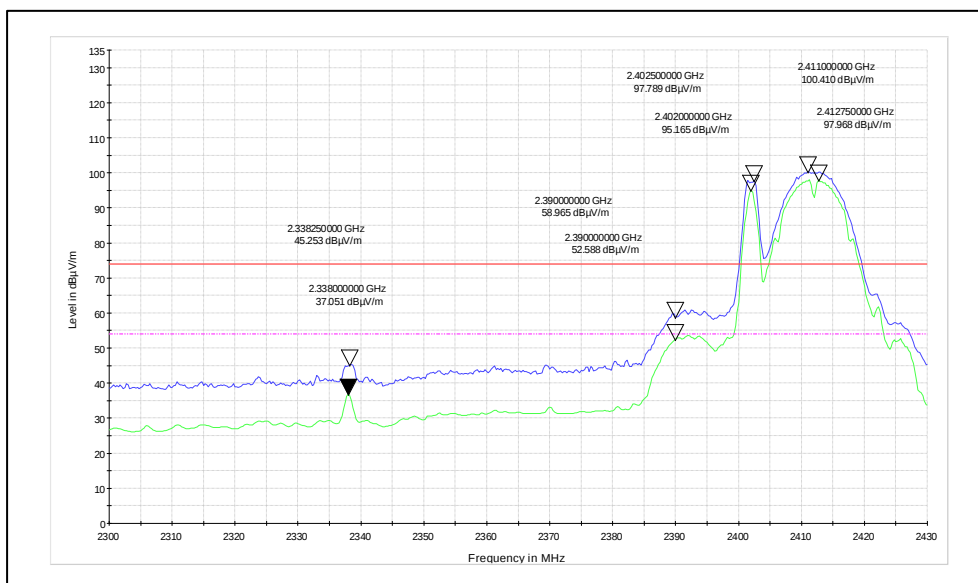
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Test Plots for Simultaneous Operation:

Channel Frequency of BLE 2402MHz & Wi-Fi 2.4GHz of 2412MHz



Polarization: Vertical



Polarization: Horizontal

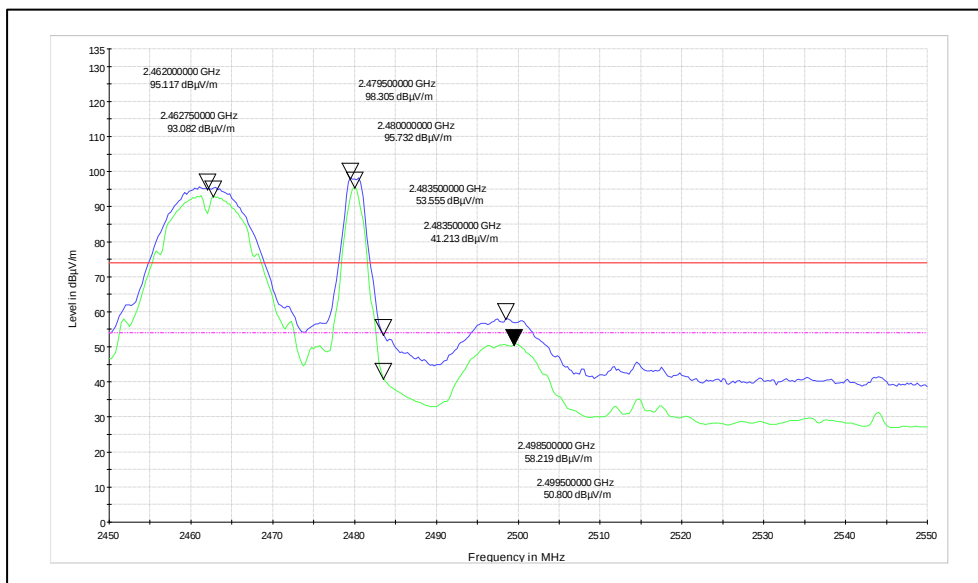
Test Plots

IN24FO3U 001

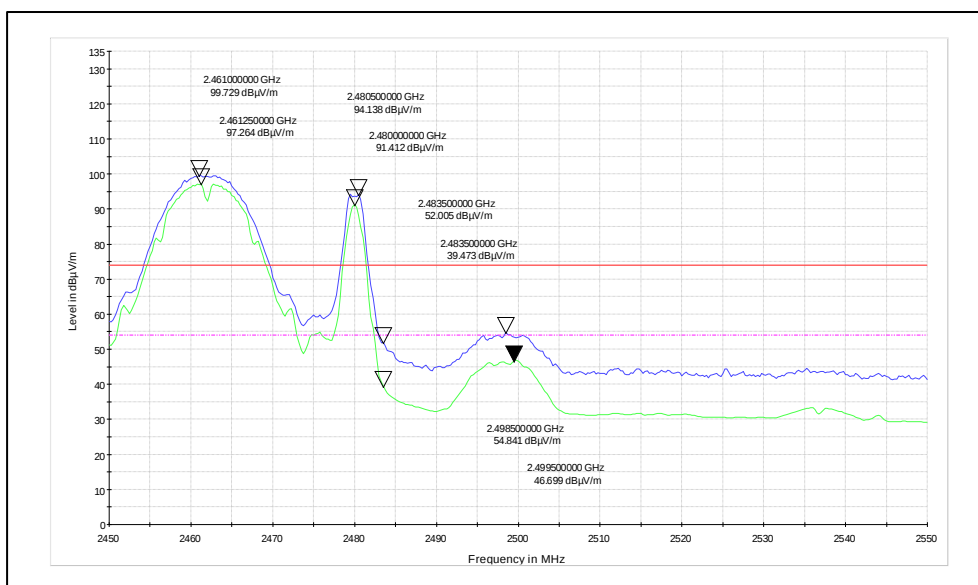
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Channel Frequency of BLE 2480MHz & Wi-Fi 2.4GHz of 2462MHz



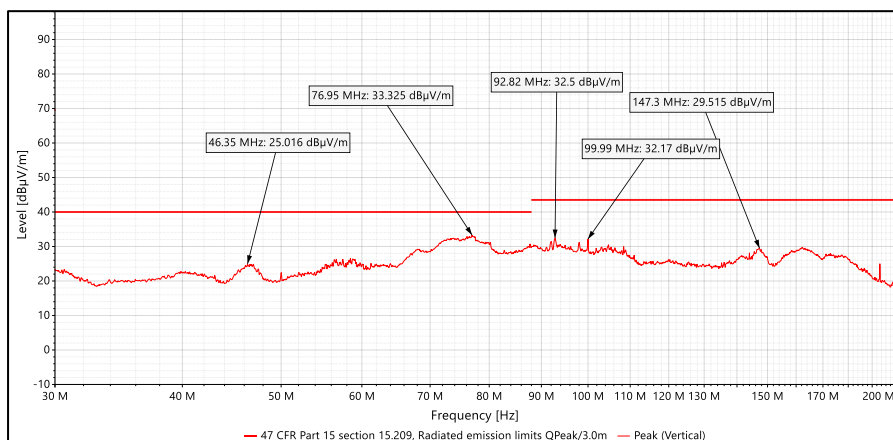
Polarization: Vertical



Polarization: Horizontal

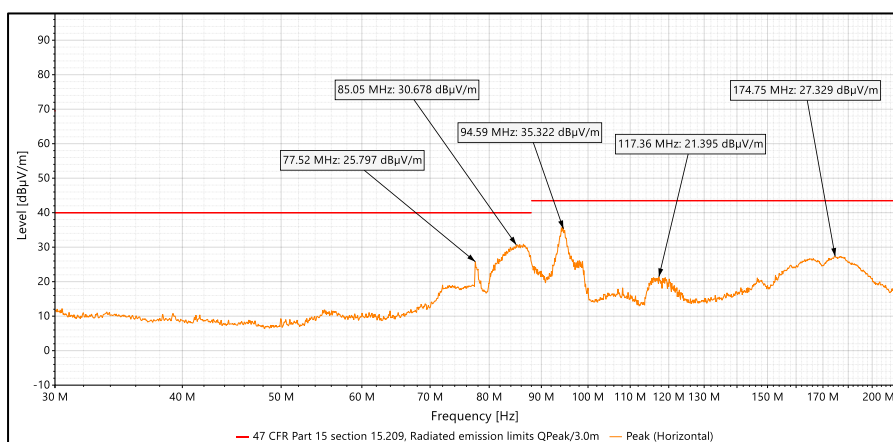
2.9 Spurious Radiated Emission

Test results for frequency range 30MHz – 200MHz



Frequency Range: 30MHz to 200MHz

Polarization: Vertical



Frequency Range: 30MHz to 200MHz

Polarization: Horizontal

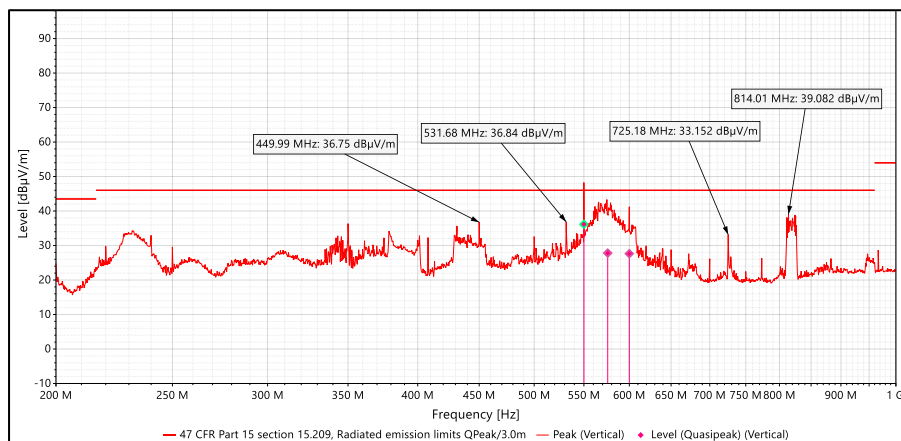
Test Plots

IN24FO3U 001

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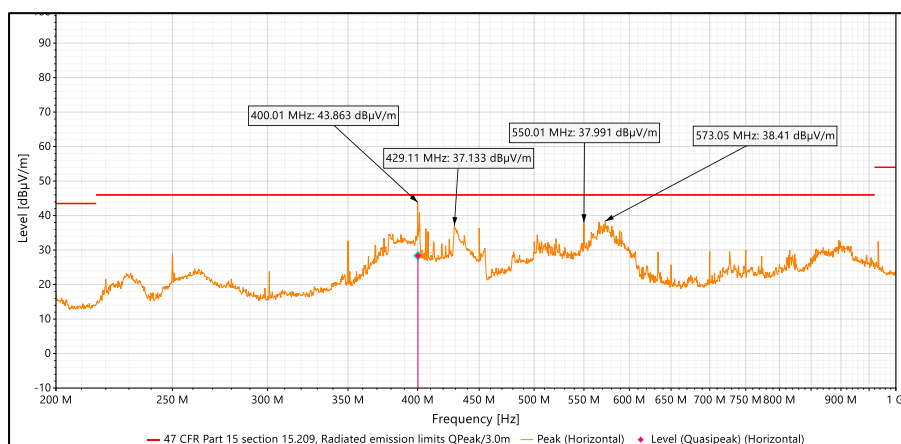
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Test results for frequency range 200MHz – 1GHz



Frequency Range: 200MHz to 1GHz

Polarization: Vertical



Frequency Range: 200MHz to 1GHz

Polarization: Horizontal

Test Plots

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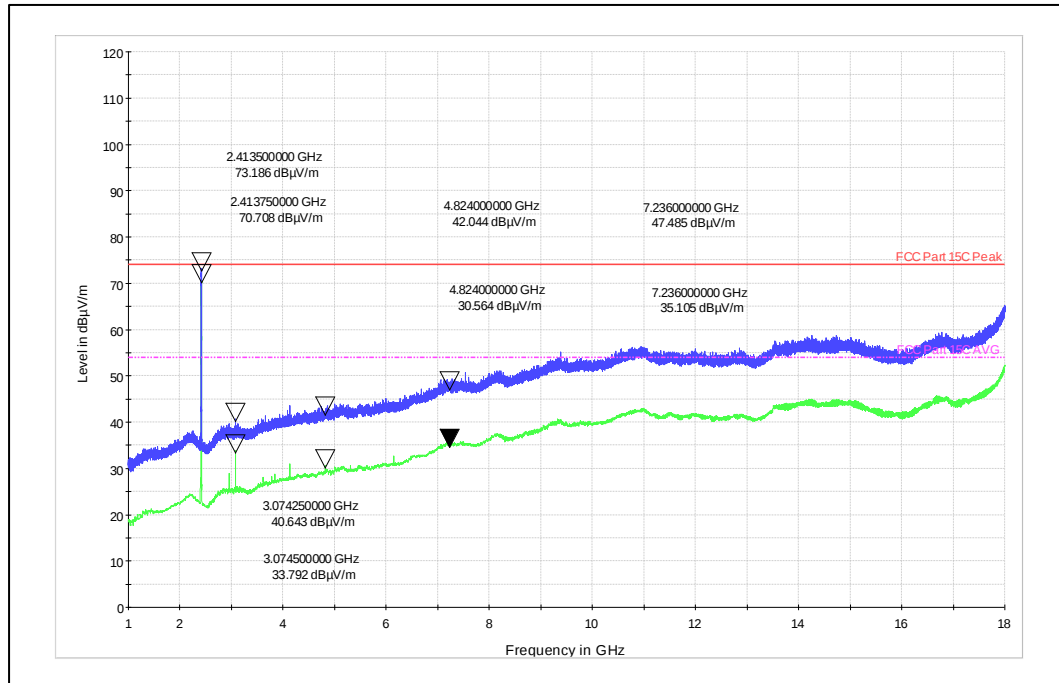
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Test results for frequency range 1GHz – 18GHz

Modulation 802.11b

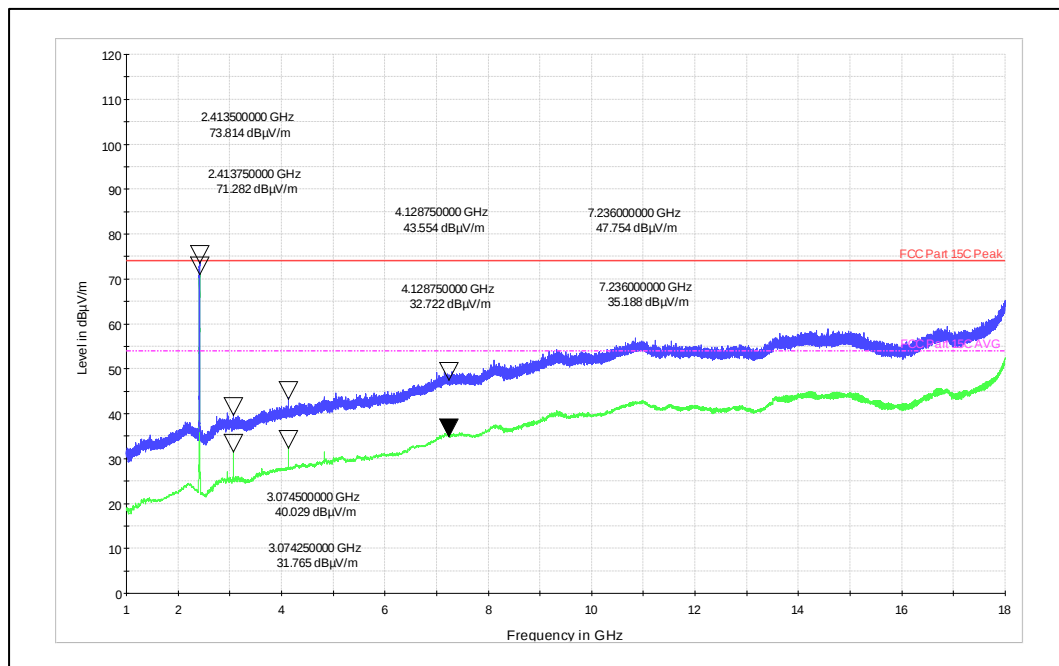
Data rate: 1Mbps

Channel Frequency: 2412MHz



Frequency Range: 1GHz – 18GHz

Antenna Polarization: Vertical



Frequency Range: 1GHz – 18GHz

Antenna Polarization: Horizontal

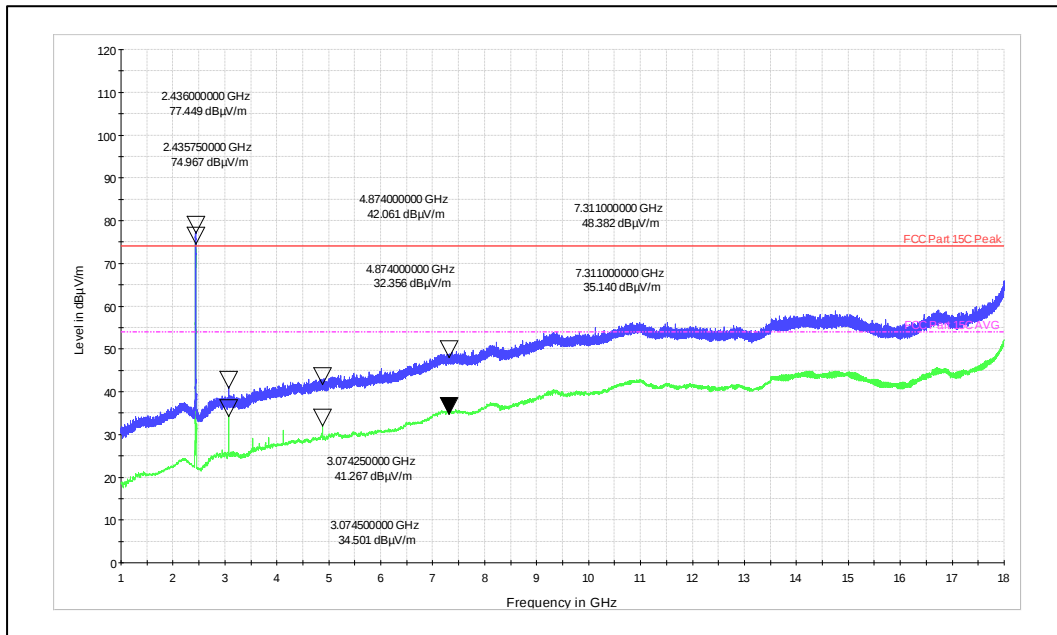
Test Plots

IN24FO3U 001

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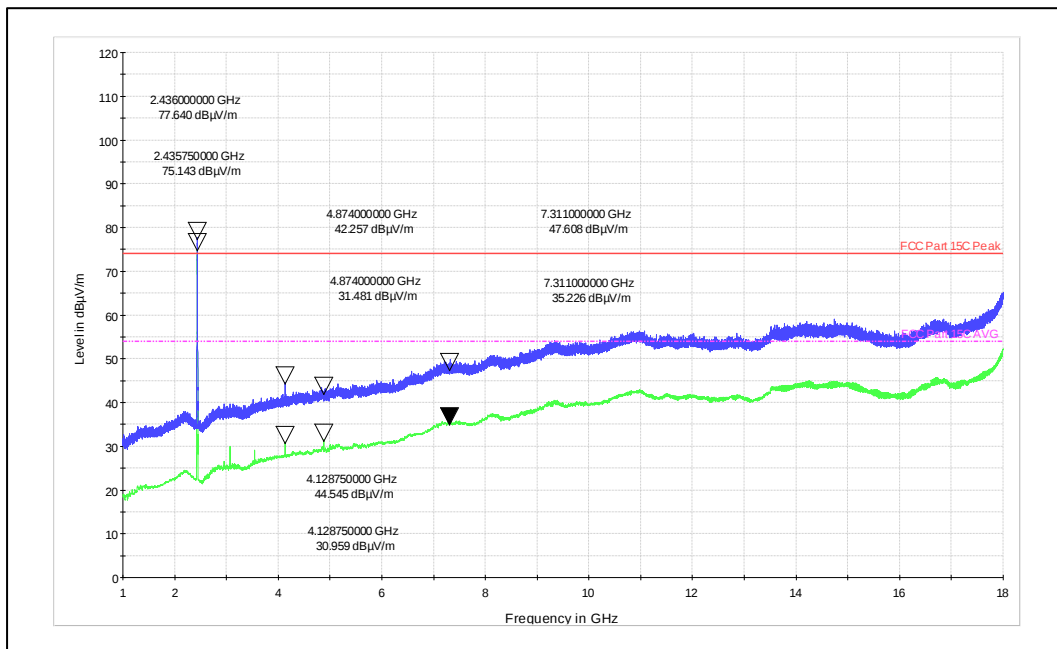
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Channel Frequency: 2437MHz



Frequency Range: 1GHz – 18GHz

Antenna Polarization: Vertical



Frequency Range: 1GHz – 18GHz

Antenna Polarization: Horizontal