

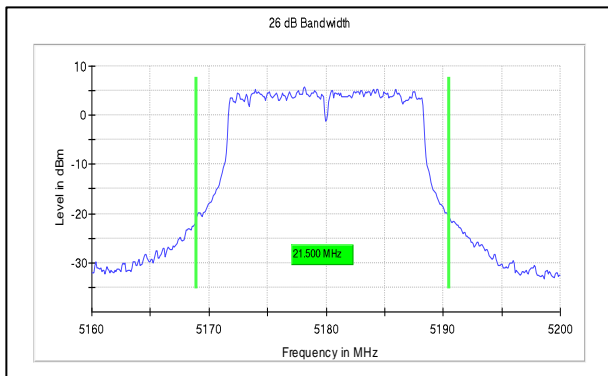
# 1. Test Plots Wi-Fi 5GHz

## 1.1 Emission Bandwidth

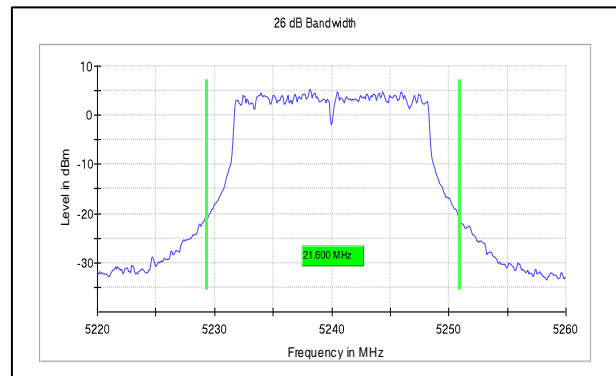
Modulation: 802.111a

Data Rate: 54Mbps

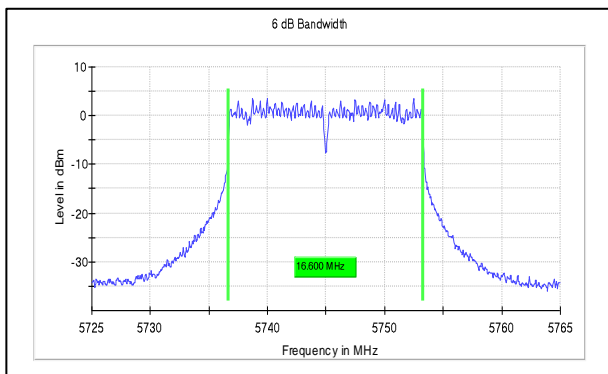
Channel Frequency:5180MHz



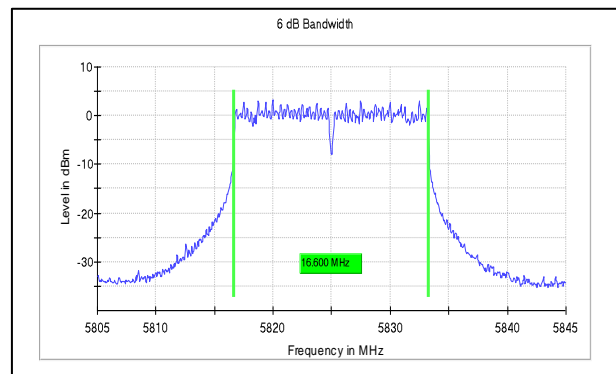
Channel Frequency:5240MHz



Channel Frequency:5745MHz



Channel Frequency:5825MHz



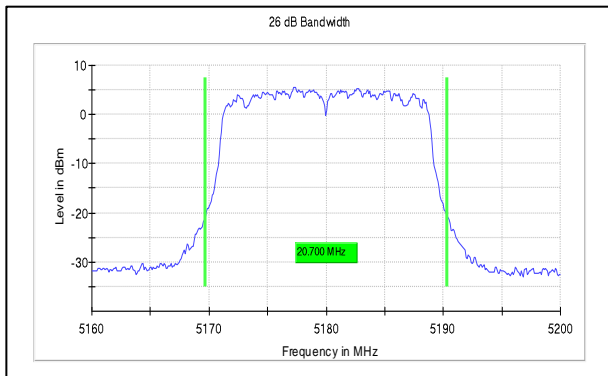
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

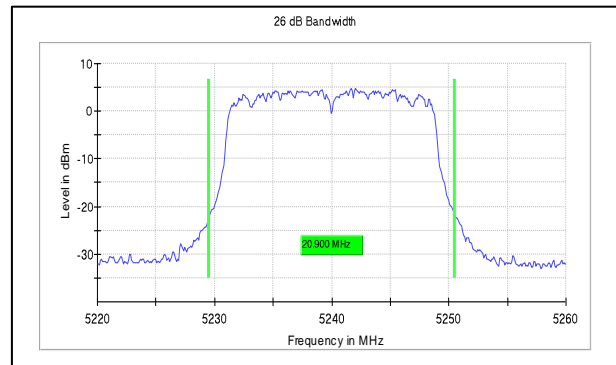
Modulation: 802.11n-20MHz

Data Rate: MCS7

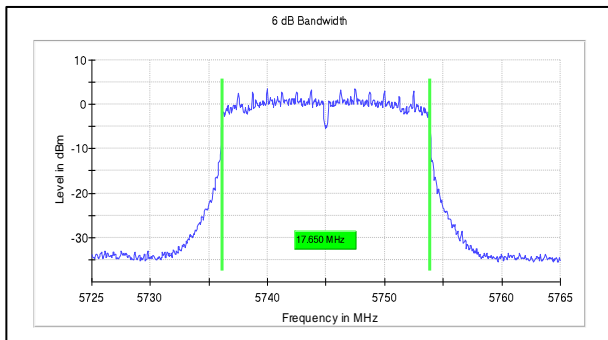
**Channel Frequency:5180MHz**



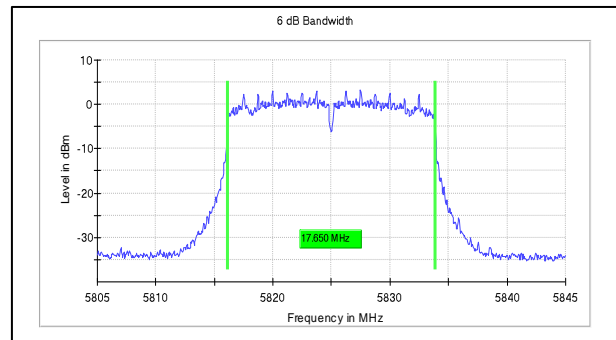
**Channel Frequency:5240MHz**



**Channel Frequency:5745MHz**



**Channel Frequency:5825MHz**



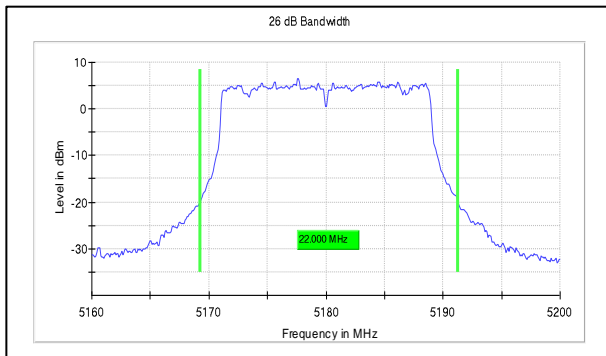
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

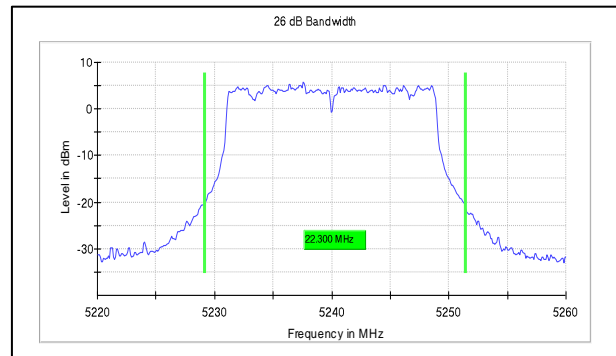
Modulation: 802.11ac-20MHz

Data Rate: MCS8

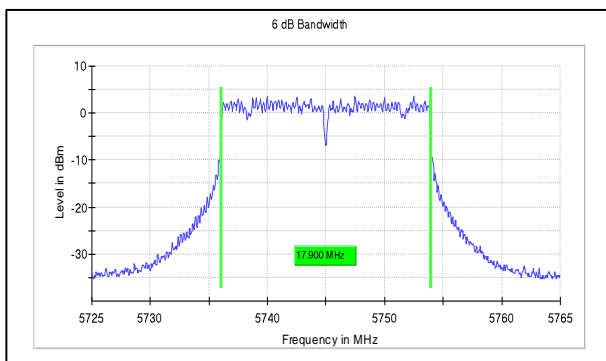
**Channel Frequency:5180MHz**



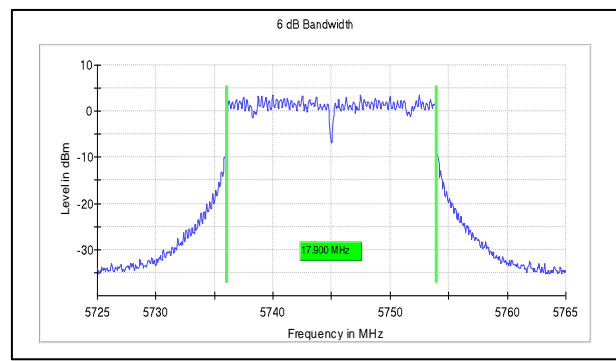
**Channel Frequency:5240MHz**



**Channel Frequency:5745MHz**



**Channel Frequency:5825MHz**



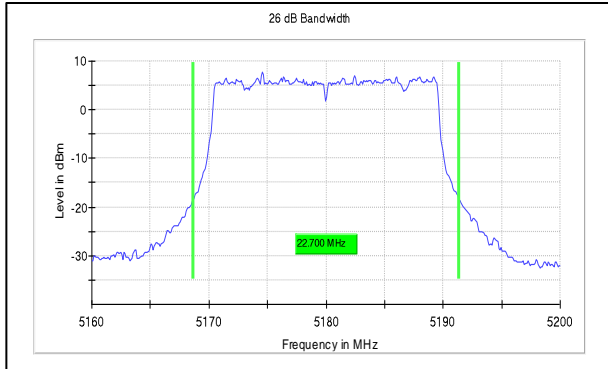
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

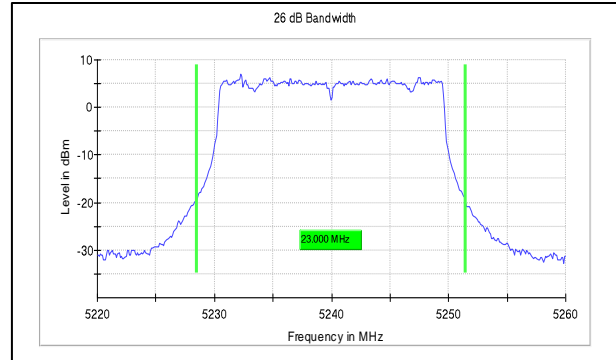
Modulation: 802.11ax-20MHz

Data Rate: MCS11

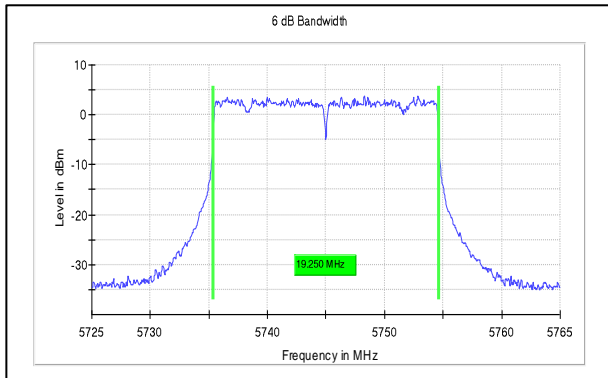
**Channel Frequency:5180MHz**



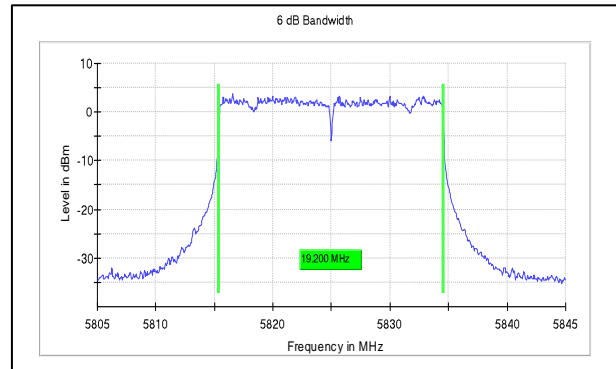
**Channel Frequency:5240MHz**



**Channel Frequency:5745MHz**



**Channel Frequency:5825MHz**



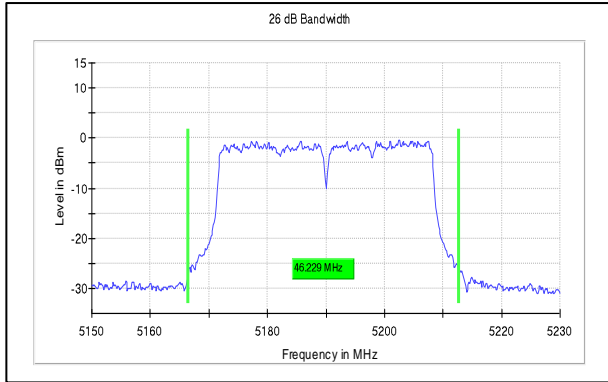
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

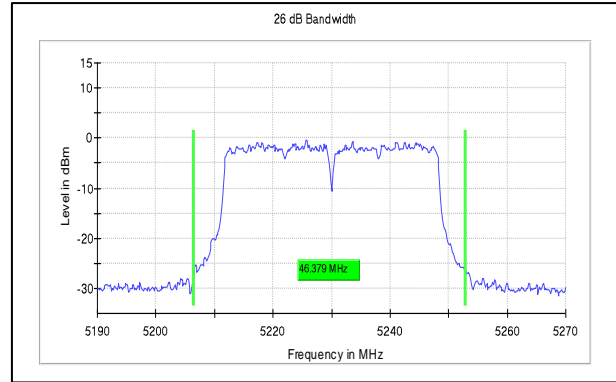
**Modulation:** 802.11n-40MHz

**Data Rate:** MCS7

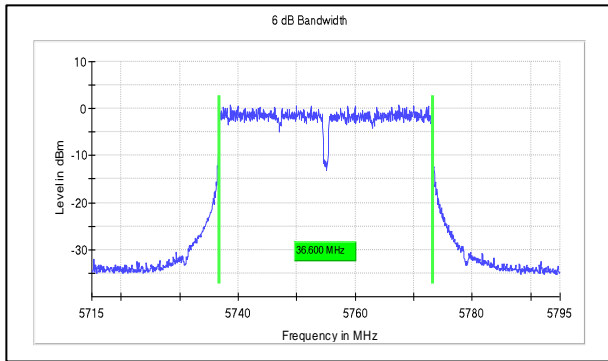
**Channel Frequency:5190MHz**



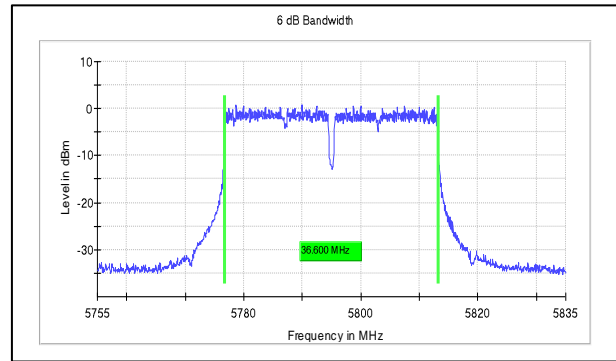
**Channel Frequency:5230MHz**



**Channel Frequency:5755MHz**



**Channel Frequency:5795MHz**



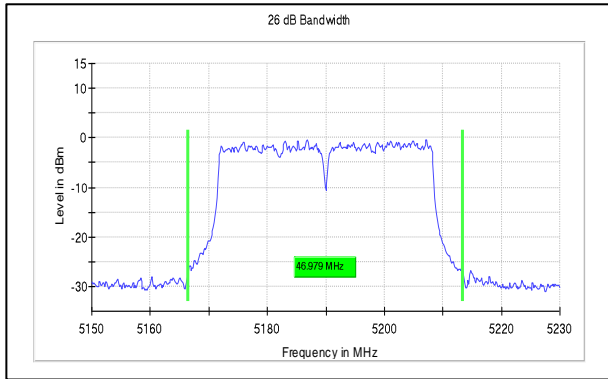
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

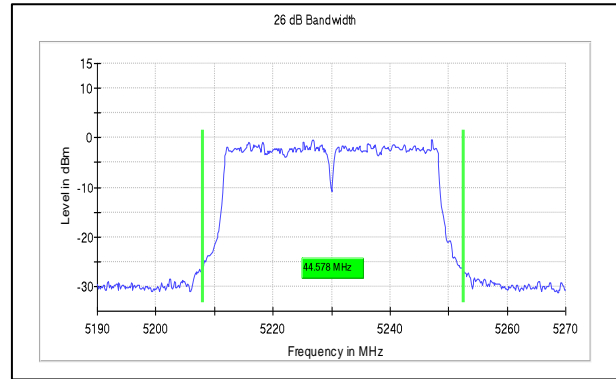
Modulation: 802.11ac-40MHz

Data Rate: MCS9

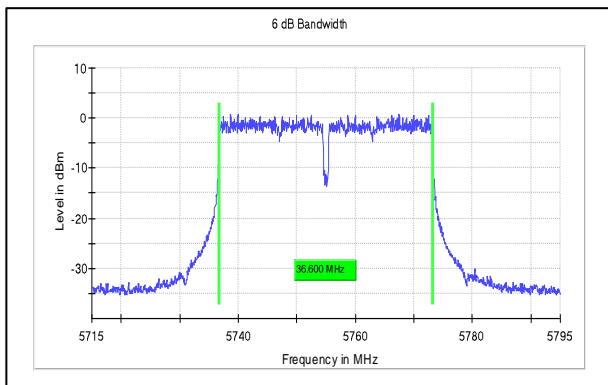
**Channel Frequency:5190MHz**



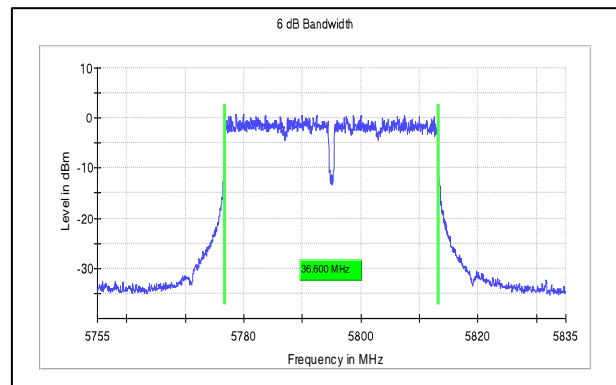
**Channel Frequency:5230MHz**



**Channel Frequency:5755MHz**



**Channel Frequency:5795MHz**



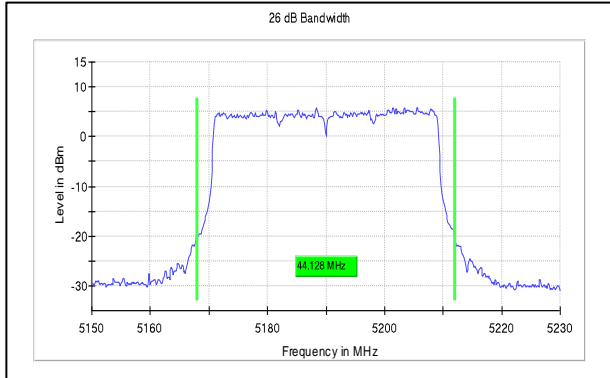
Test Plots

IN23HNHD 001 & IN23HH4B 001

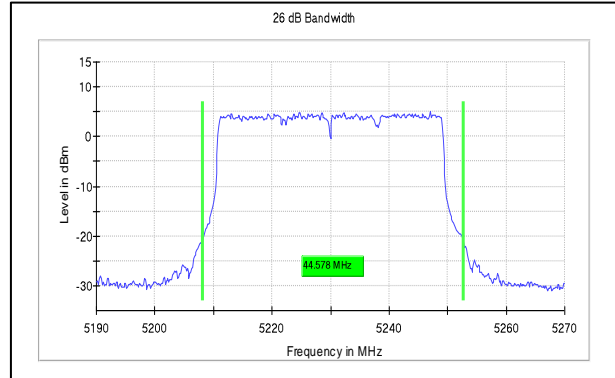
Modulation: 802.11ax-40MHz

Data Rate: MCS11

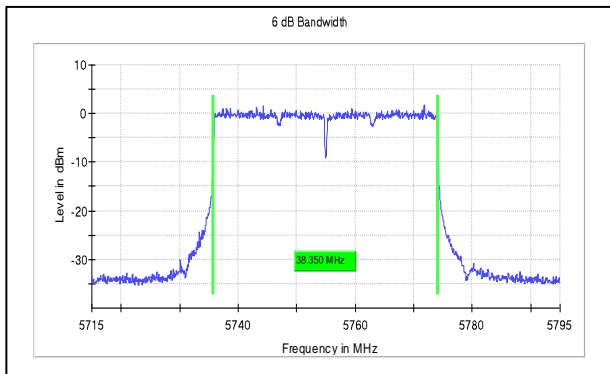
Channel Frequency:5190MHz



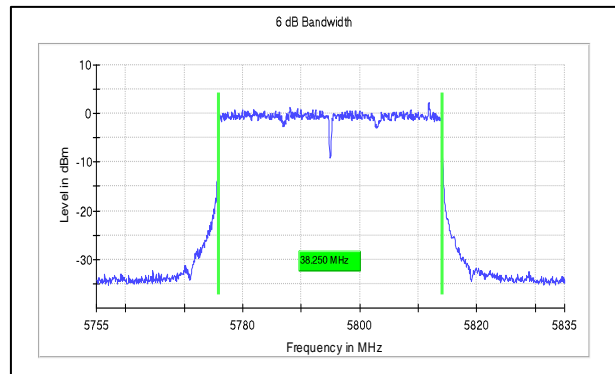
Channel Frequency:5230MHz



Channel Frequency:5755MHz



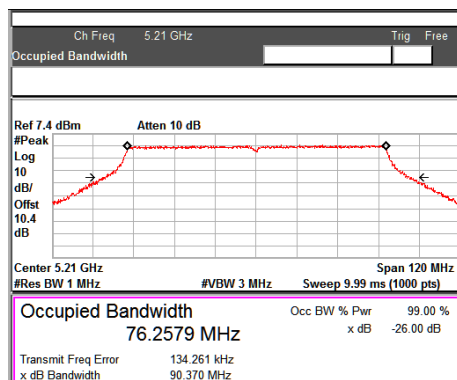
Channel Frequency:5795MHz



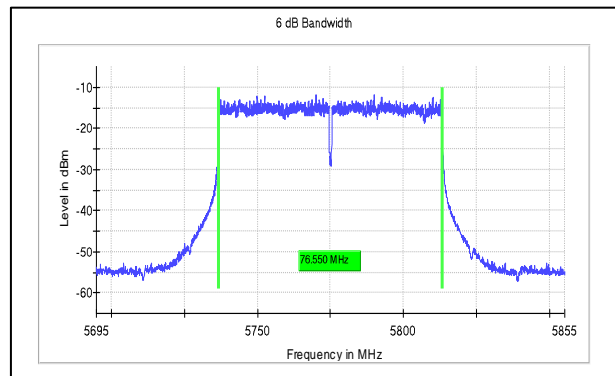
Modulation: 802.11ac-80MHz

Data Rate: MCS9

Channel Frequency:5210MHz



Channel Frequency:5775MHz



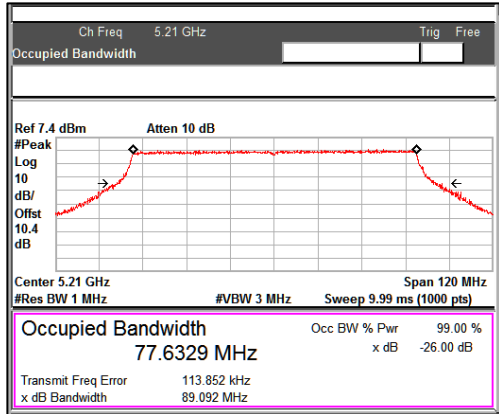
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

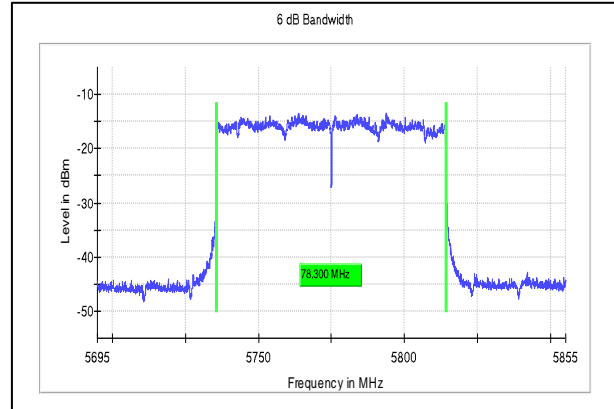
Modulation: 802.11ax-80MHz

Data Rate: MCS11

**Channel Frequency: 5210MHz**



**Channel Frequency: 5775MHz**



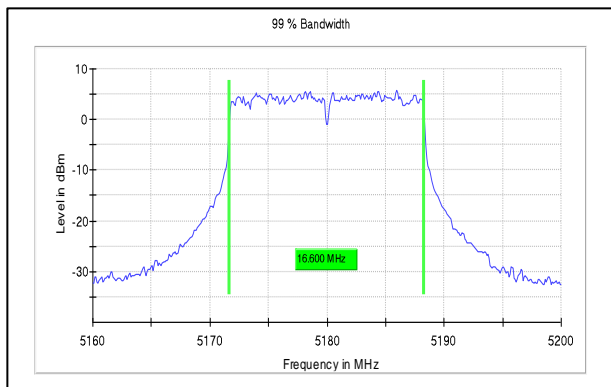


## 1.2 Occupied Channel Bandwidth

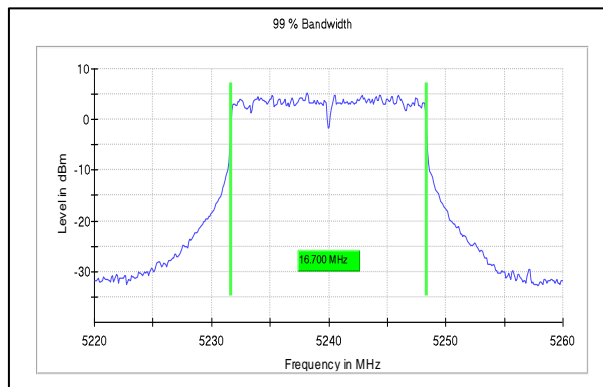
Modulation: 802.111a

Data Rate: 54Mbps

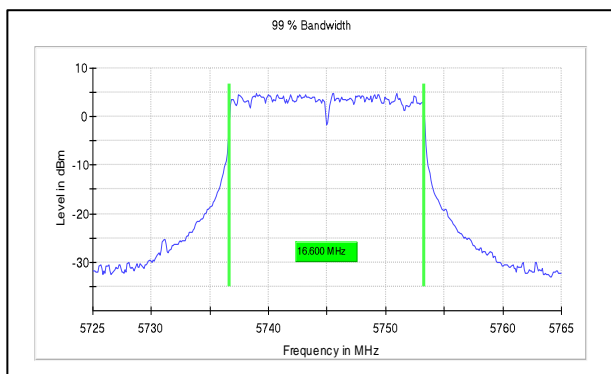
Channel Frequency:5180MHz



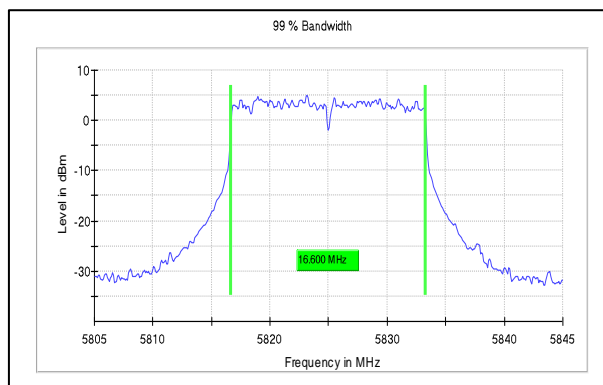
Channel Frequency:5240MHz



Channel Frequency:5745MHz



Channel Frequency:5825MHz



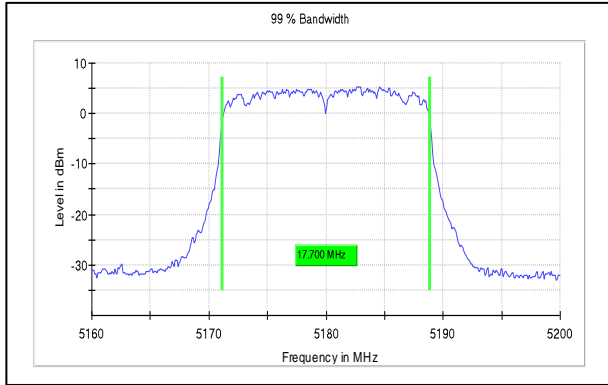
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

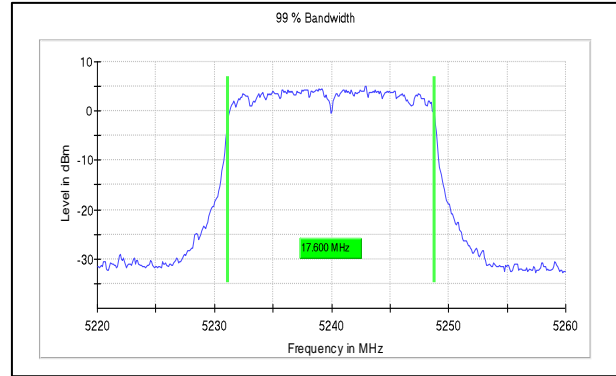
**Modulation:** 802.11n-20MHz

**Data Rate:** MCS7

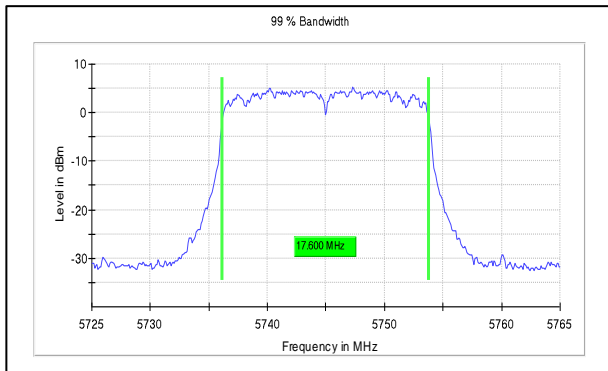
**Channel Frequency:5180MHz**



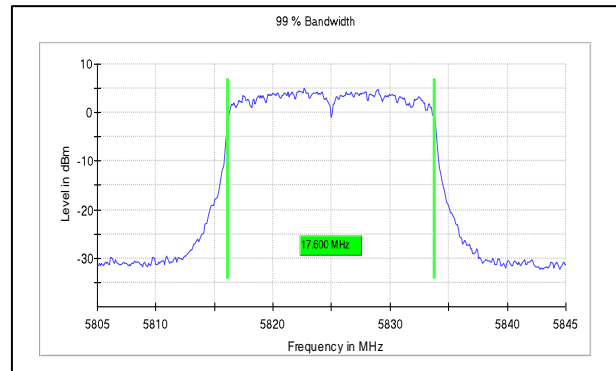
**Channel Frequency:5240MHz**



**Channel Frequency:5745MHz**



**Channel Frequency:5825MHz**



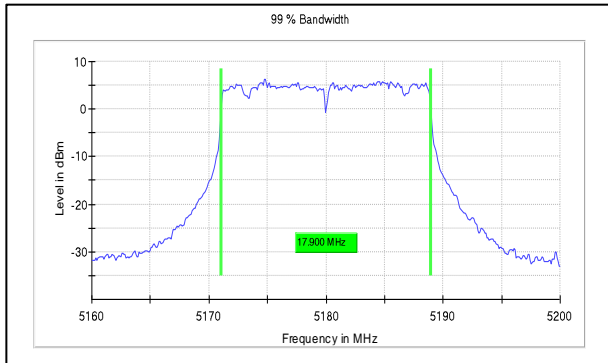
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

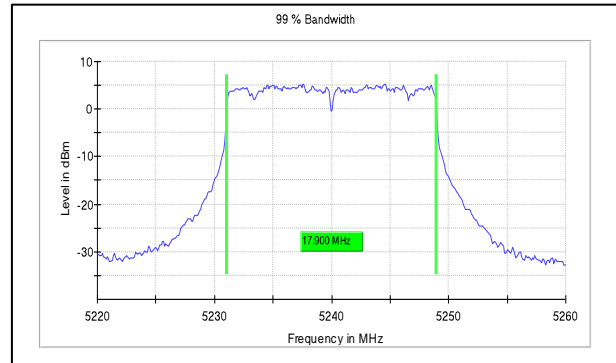
**Modulation:** 802.11ac-20MHz

**Data Rate:** MCS8

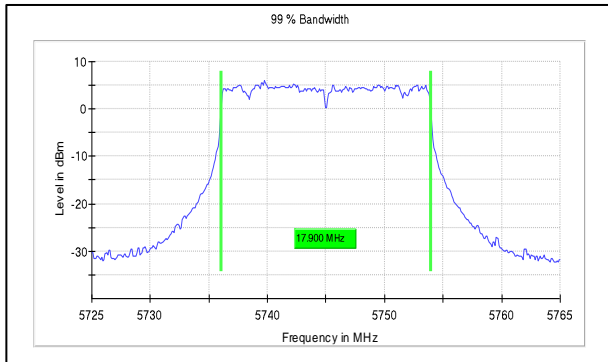
**Channel Frequency:5180MHz**



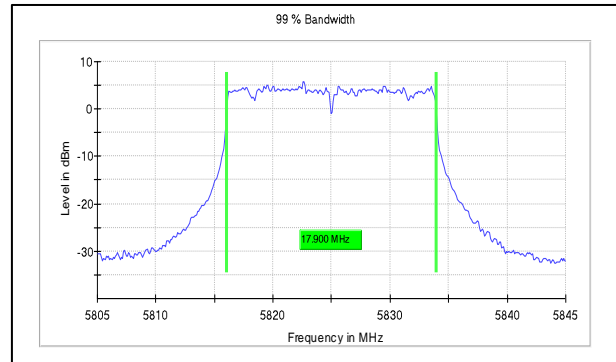
**Channel Frequency:5240MHz**



**Channel Frequency:5745MHz**



**Channel Frequency:5825MHz**



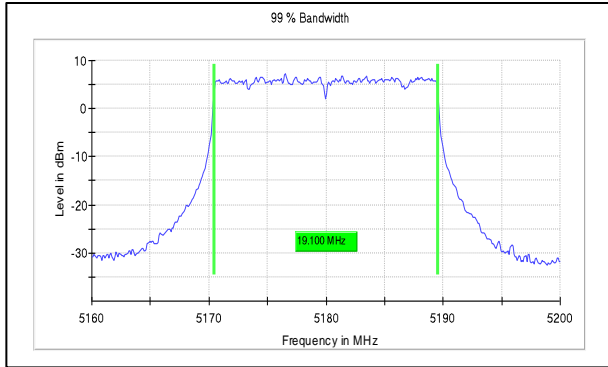
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

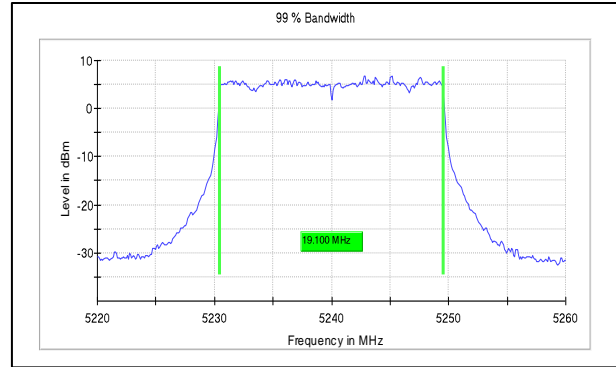
Modulation: 802.11ax-20MHz

Data Rate: MCS11

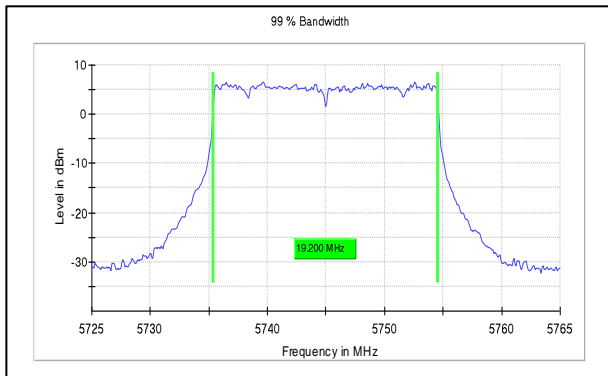
**Channel Frequency:5180MHz**



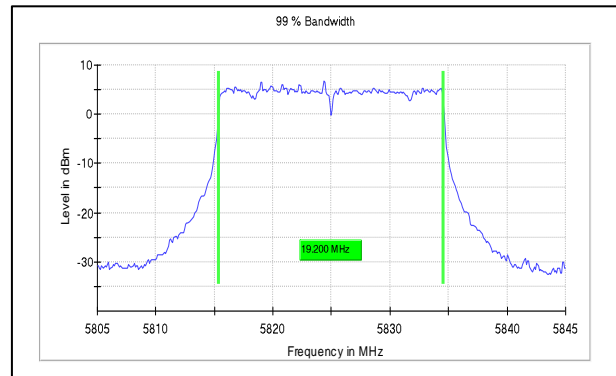
**Channel Frequency:5240MHz**



**Channel Frequency:5745MHz**



**Channel Frequency:5825MHz**



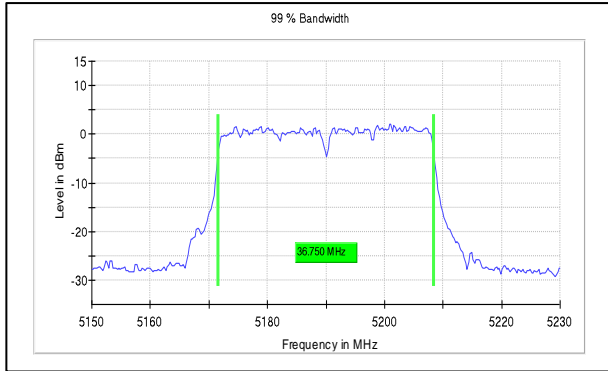
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

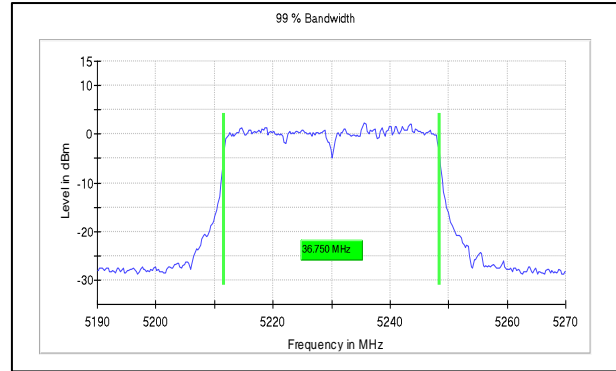
**Modulation:** 802.11n-40MHz

**Data Rate:** MCS7

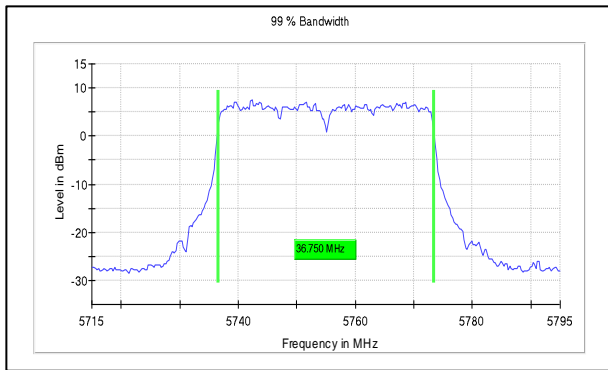
**Channel Frequency:5190MHz**



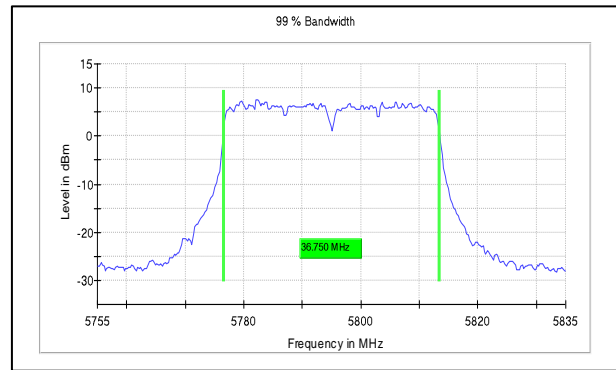
**Channel Frequency:5230MHz**



**Channel Frequency:5755MHz**



**Channel Frequency:5795MHz**



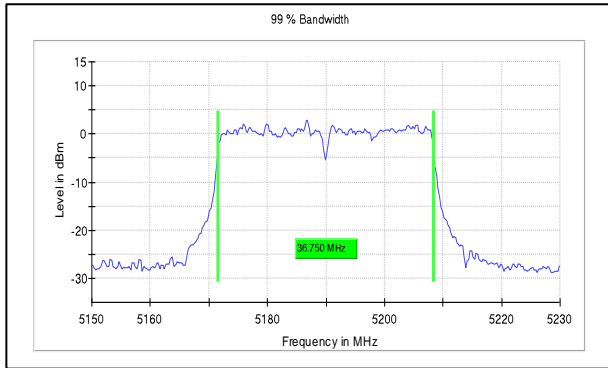
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

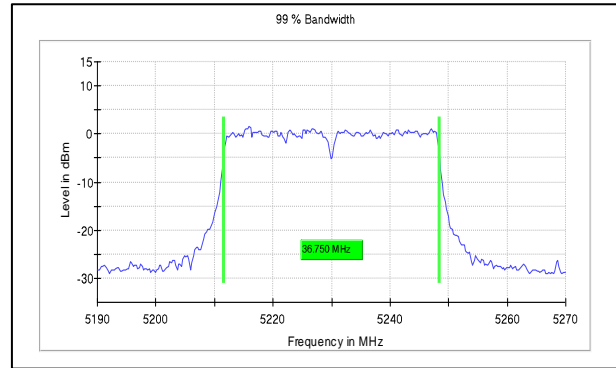
Modulation: 802.11ac-40MHz

Data Rate: MCS9

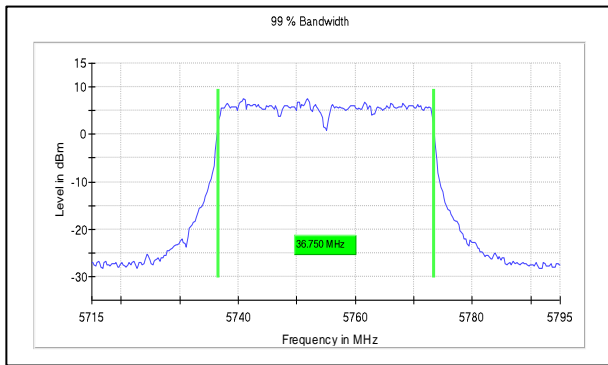
**Channel Frequency:5190MHz**



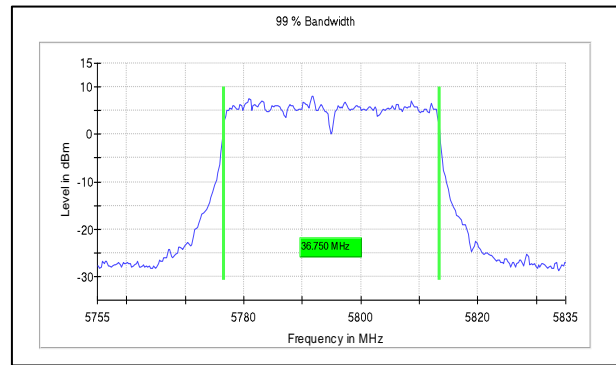
**Channel Frequency:5230MHz**



**Channel Frequency:5755MHz**



**Channel Frequency:5795MHz**



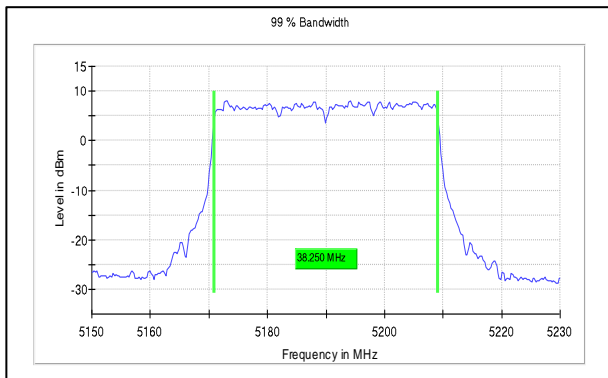
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

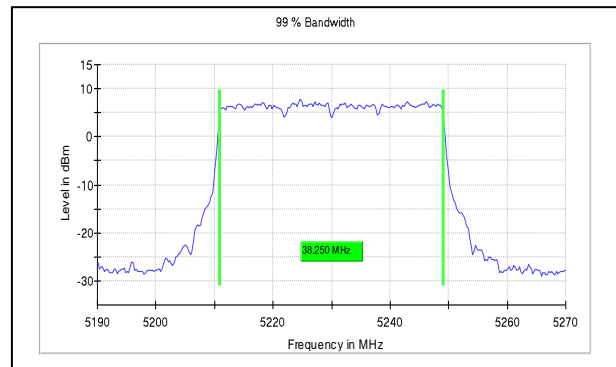
**Modulation:** 802.11ax-40MHz

**Data Rate:** MCS11

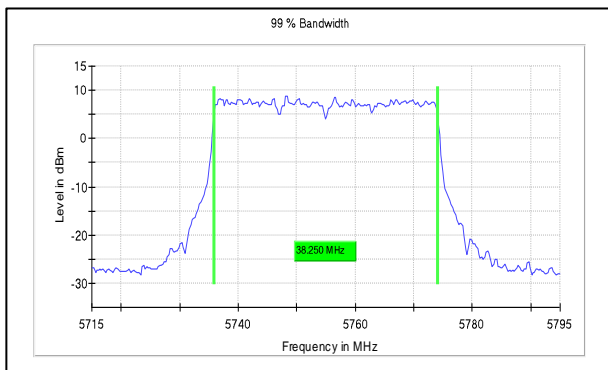
**Channel Frequency:**5190MHz



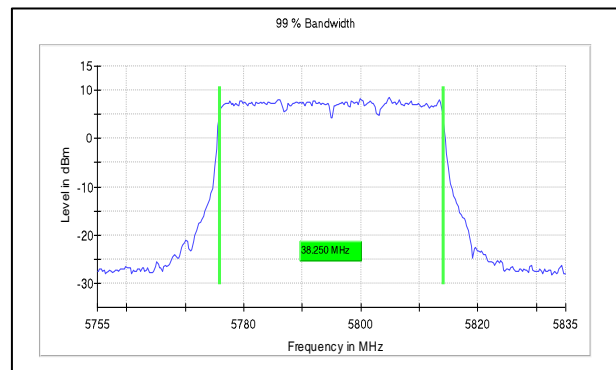
**Channel Frequency:**5230MHz



**Channel Frequency:**5755MHz



**Channel Frequency:**5795MHz



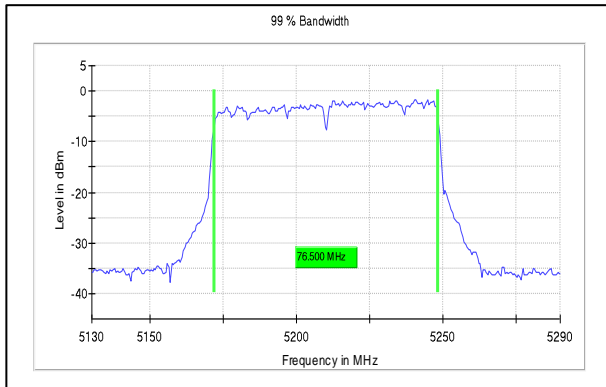
**Test Plots**

**IN23HNHD 001 & IN23HH4B 001**

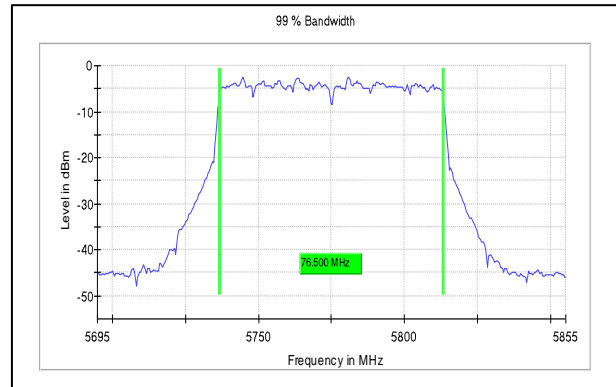
**Modulation:** 802.11ac-80MHz

**Data Rate:** MCS9

**Channel Frequency:**5210MHz



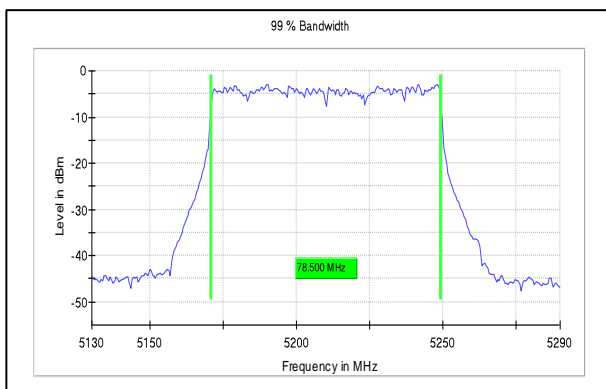
**Channel Frequency:**5775MHz



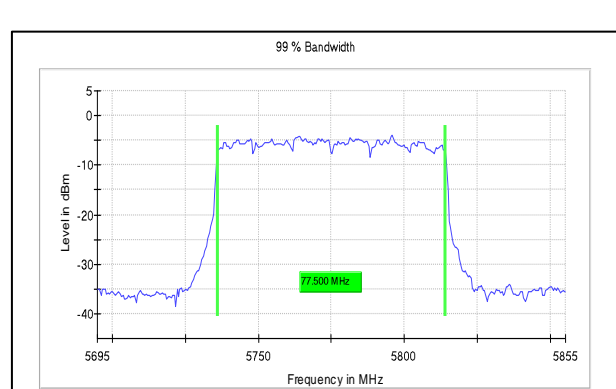
**Modulation:** 802.11ax-80MHz

**Data Rate:** MCS11

**Channel Frequency:**5210MHz



**Channel Frequency:**5775MHz



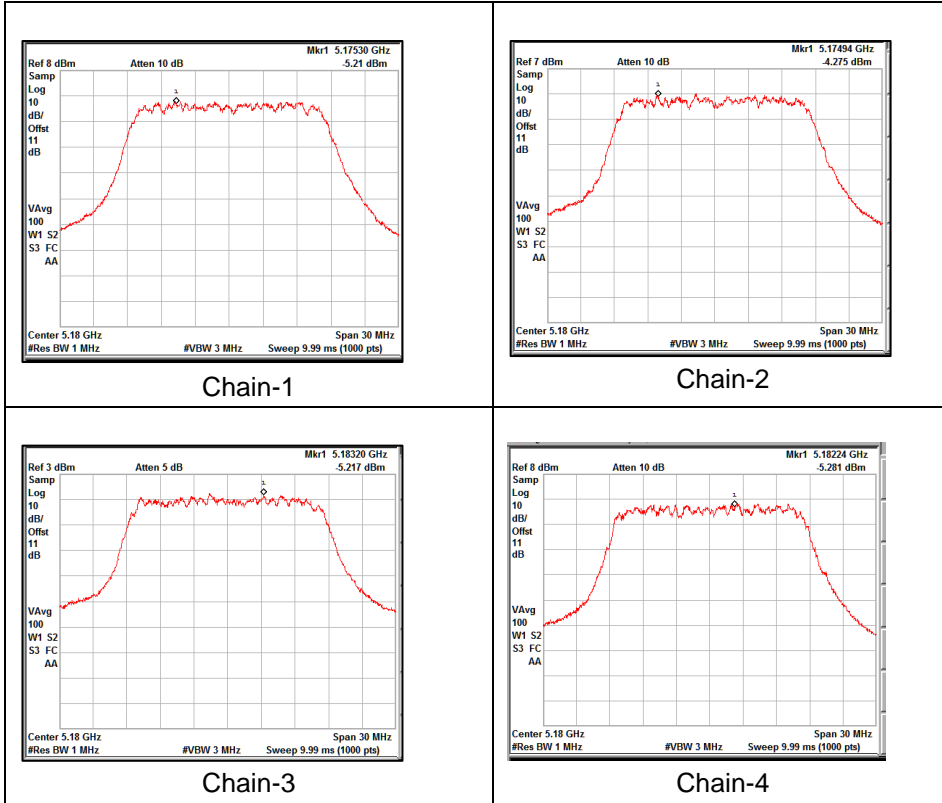


### 1.3 Power Spectral Density

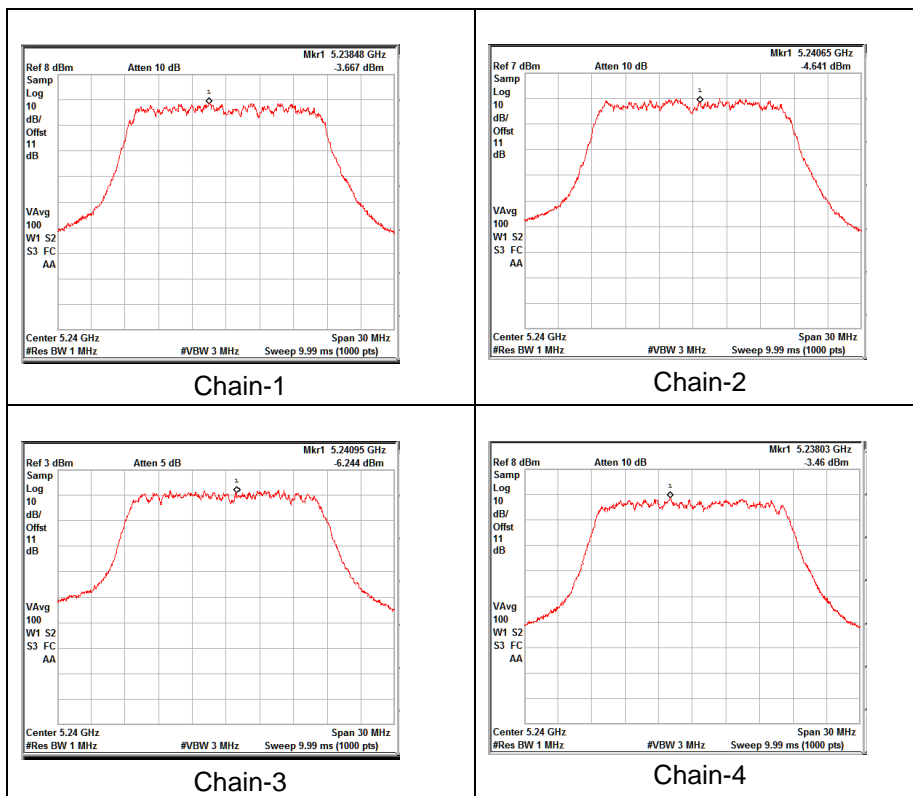
Antenna Type & Antenna Gain: Omni Antenna & 12dBi

Data Rate: 6Mbps

Channel Frequency: 5180MHz



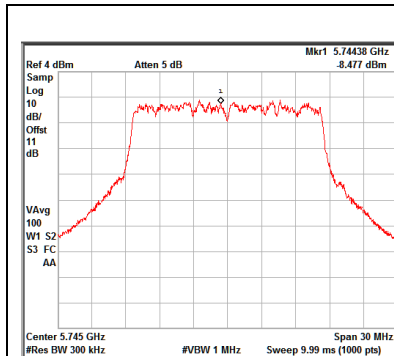
Channel frequency: 5240MHz



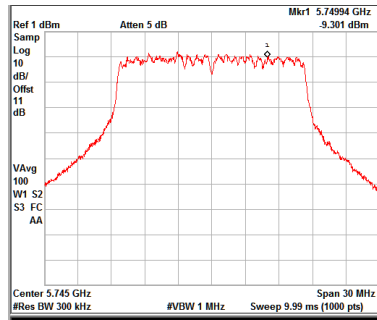
Test Plots

IN23HNHD 001 & IN23HH4B 001

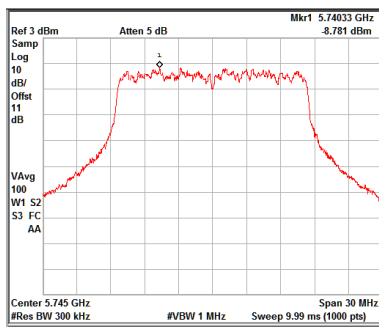
Channel frequency: 5745MHz



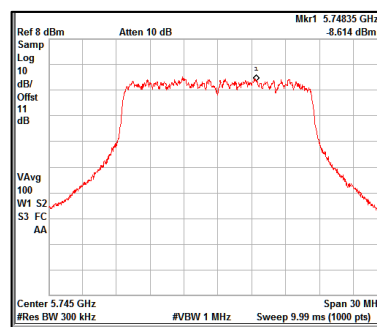
Chain-1



Chain-2

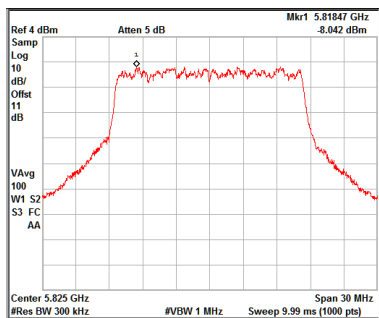


Chain-3

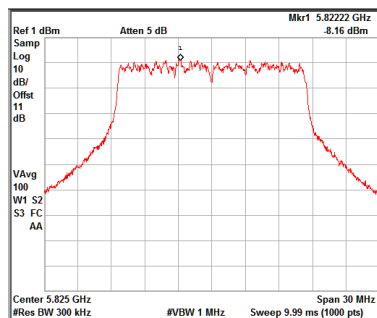


Chain-4

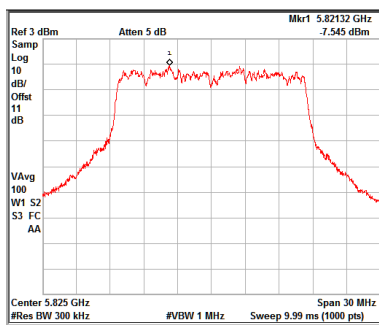
Channel frequency: 5825MHz



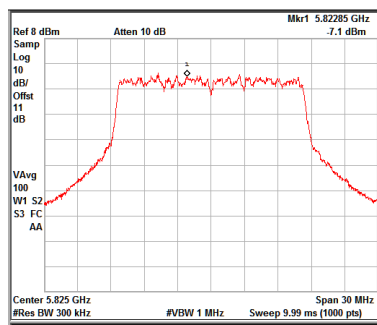
Chain-1



Chain-2



Chain-3



Chain-4

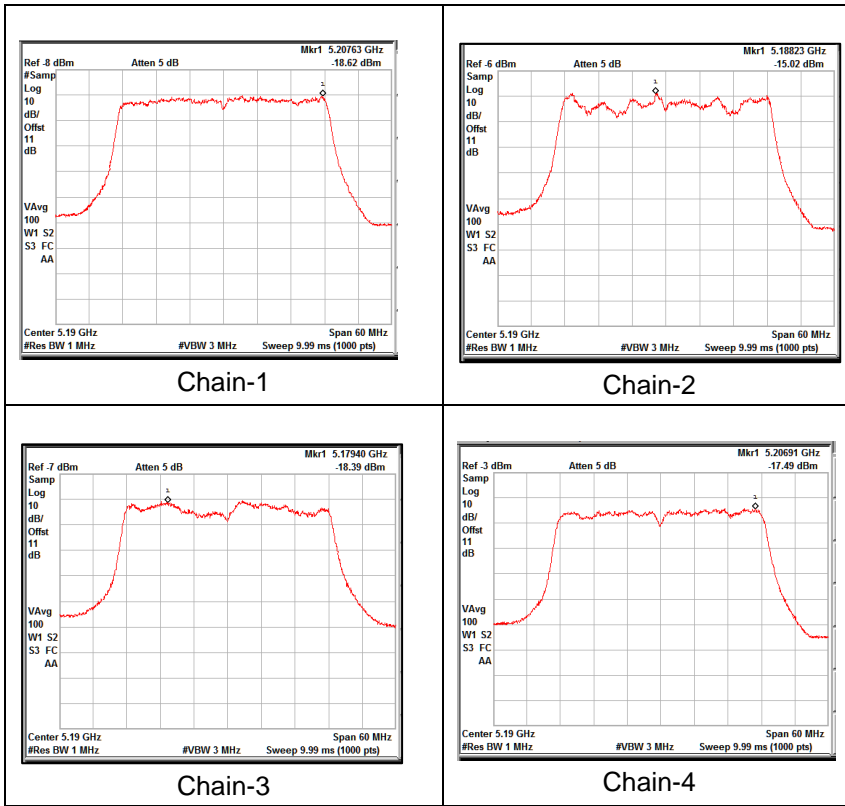
Test Plots

IN23HNHD 001 & IN23HH4B 001

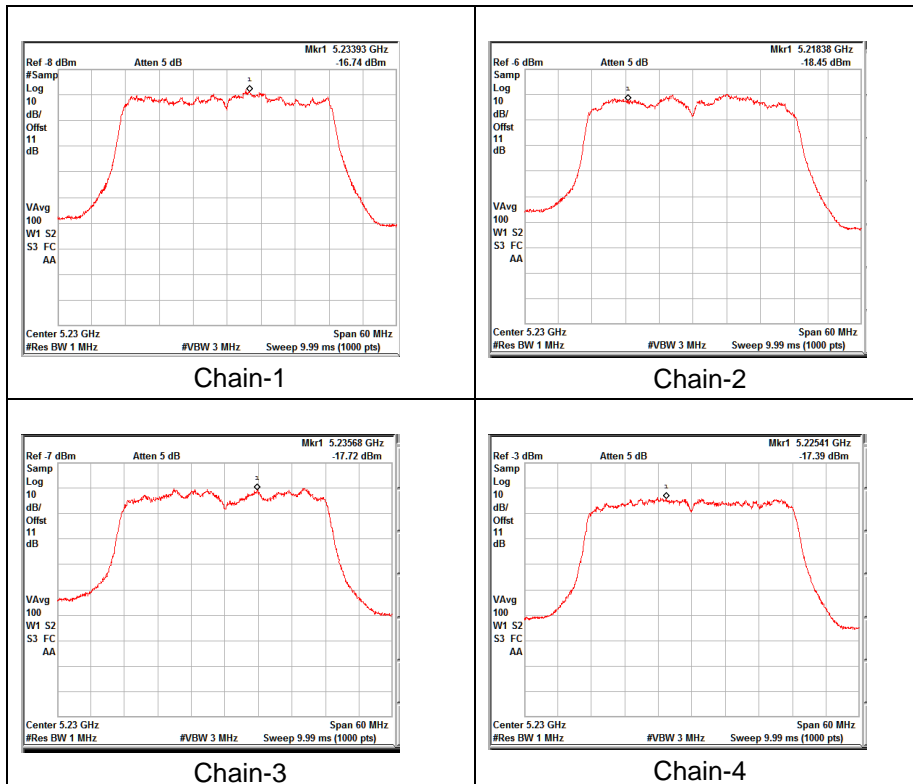
Modulation: 802.11n-40MHz

Data Rate: MCS0

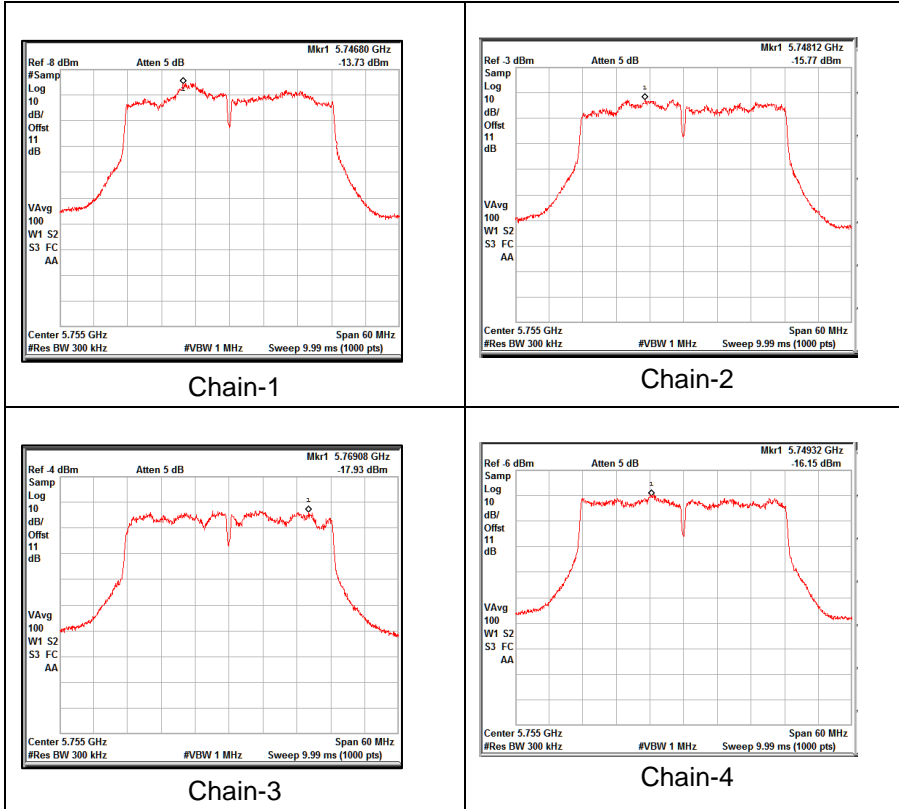
Channel Frequency: 5190MHz



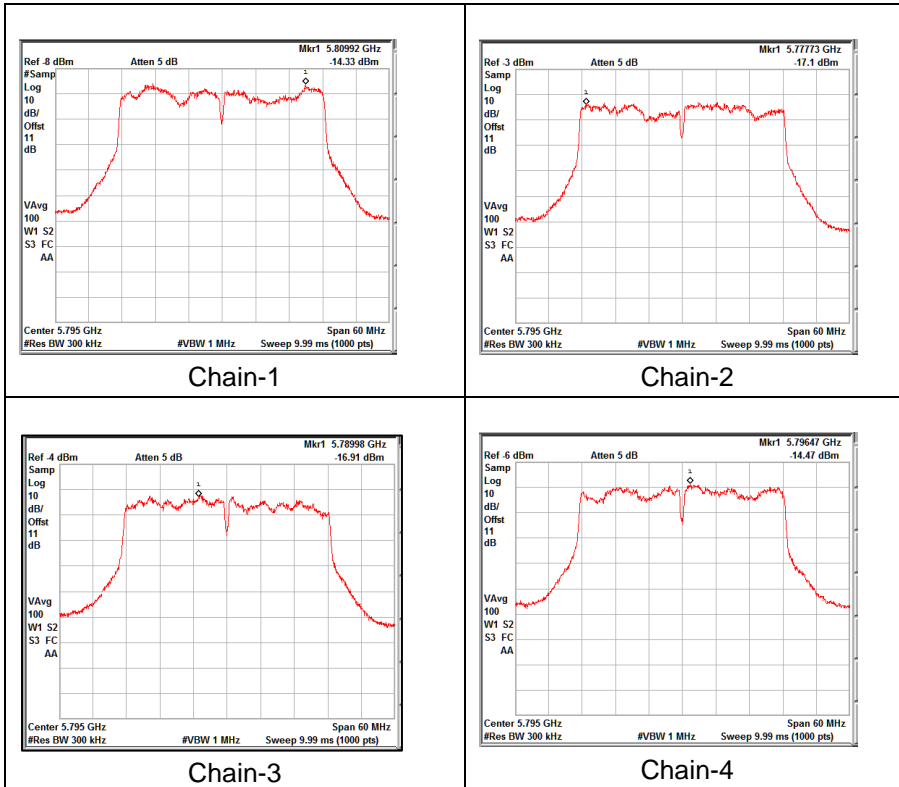
Channel frequency: 5230MHz



Channel frequency: 5755MHz



Channel frequency: 5795MHz



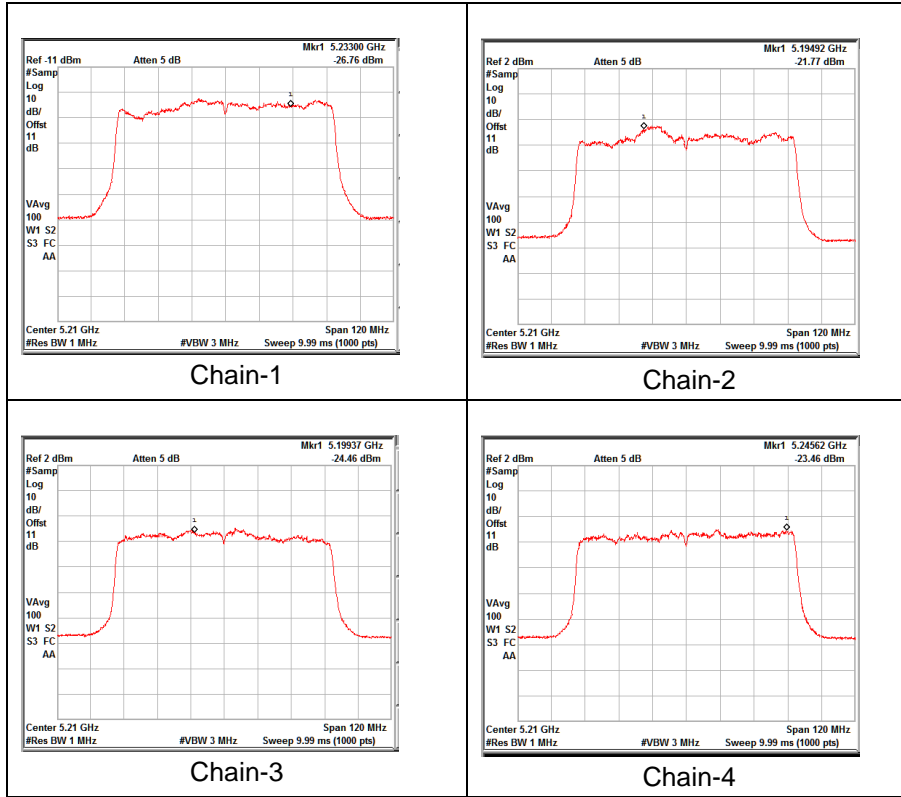
Test Plots

IN23HNHD 001 & IN23HH4B 001

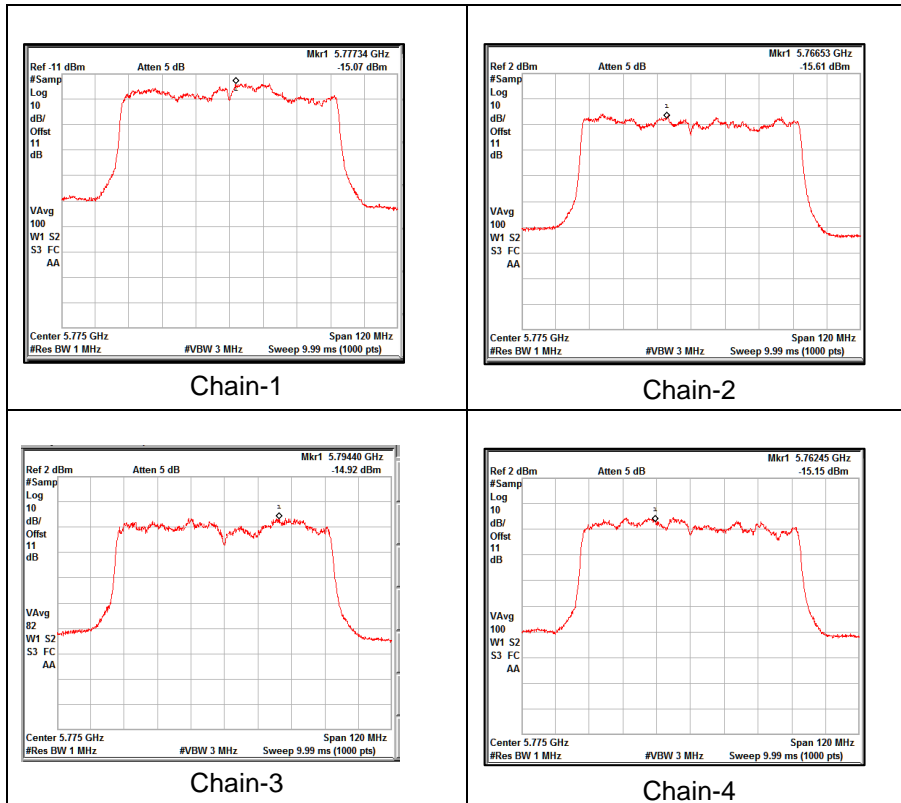
Modulation: 802.11ac-80MHz

Data Rate: MCS0

Channel Frequency: 5210MHz

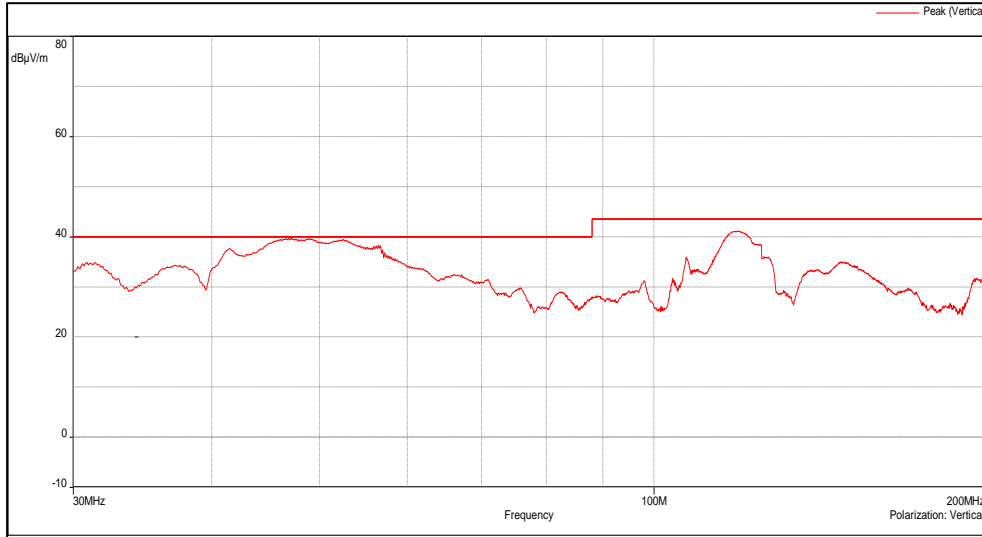


Channel Frequency: 5775MHz



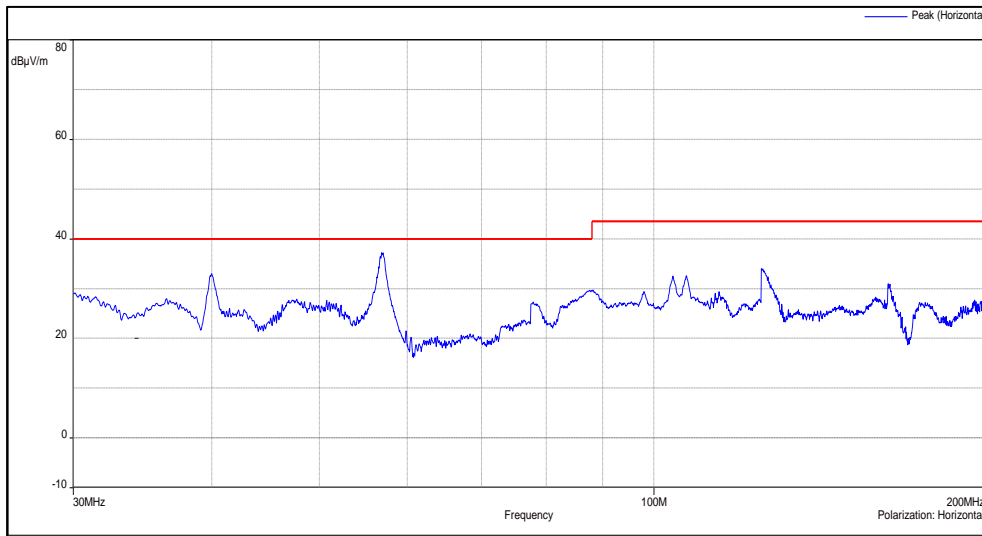
## 1.4 Spurious Radiated Emissions & Restricted Bands of Operation

Frequency range of 30MHz to 200MHz:



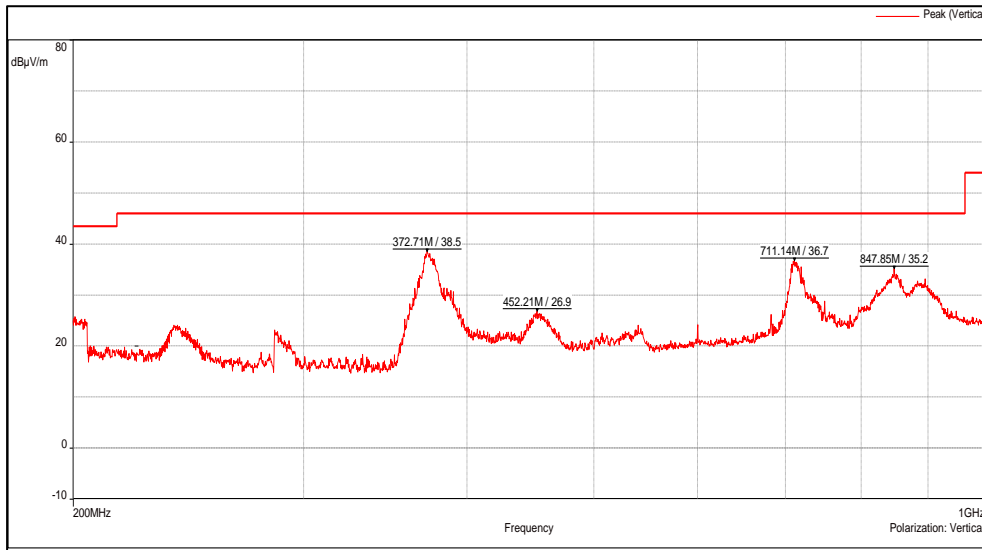
Channel Frequency 30MHz – 200MHz

Polarization Vertical



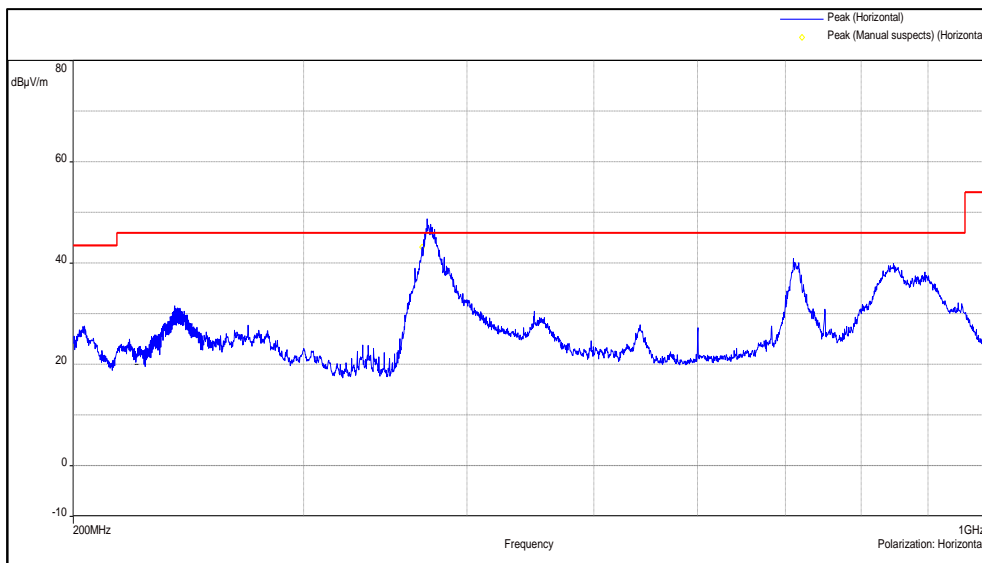
Channel Frequency 30MHz – 200MHz

Polarization Horizontal



Channel Frequency 200MHz – 1GHz

Polarization Vertical



Channel Frequency 200MHz – 1GHz

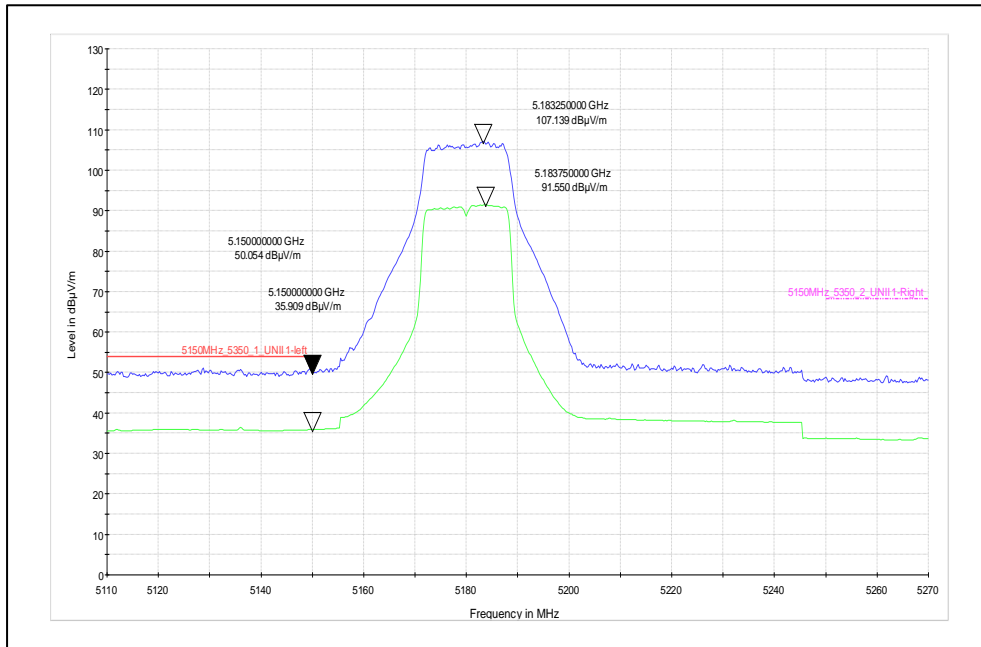
Polarization Horizontal

Frequency range of 1GHz to 26GHz:

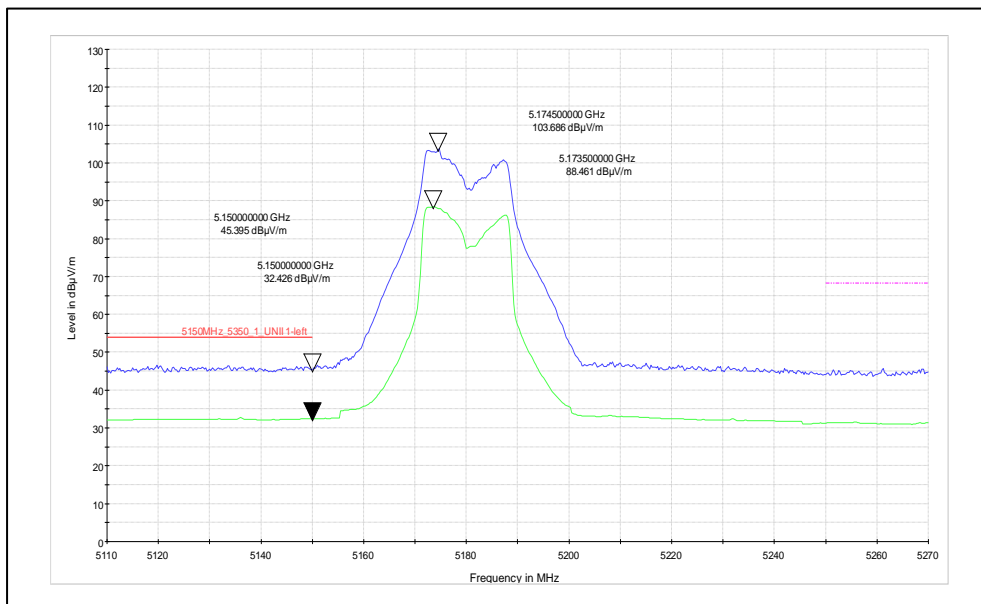
Modulation: 802.11a

Data Rate: 54Mbps

Channel Frequency: 5180MHz



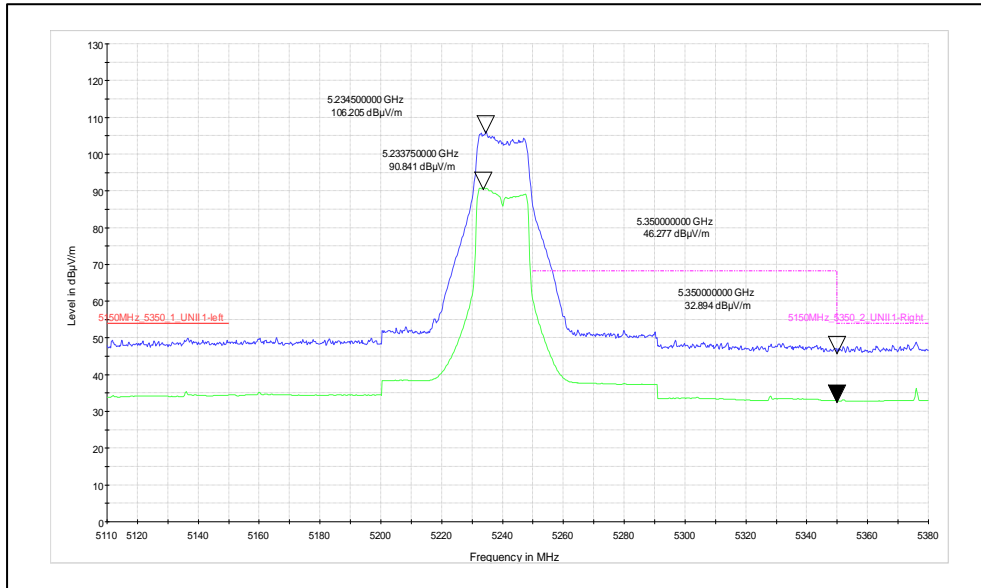
Polarization: Vertical



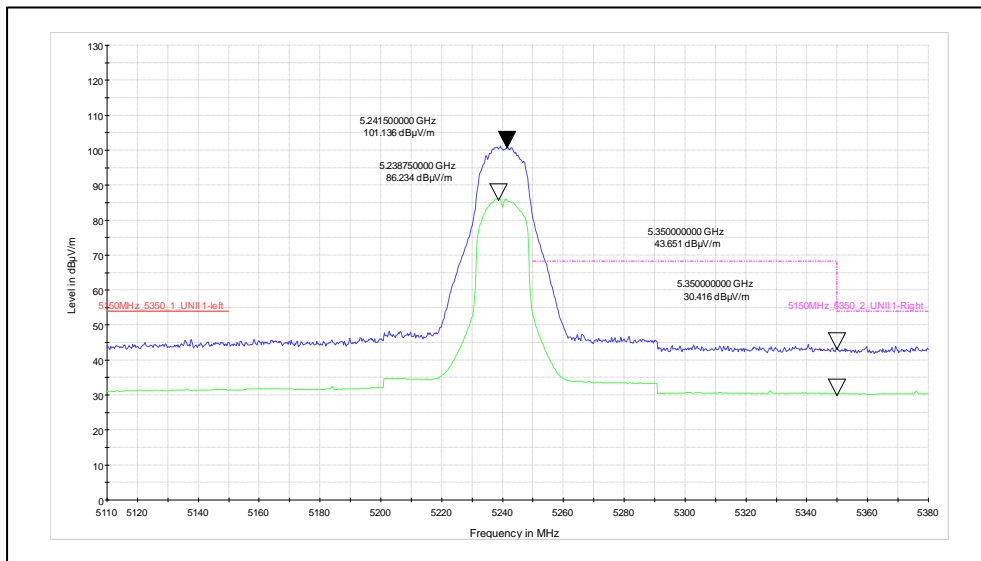
Polarization: Horizontal



Channel Frequency: 5240MHz

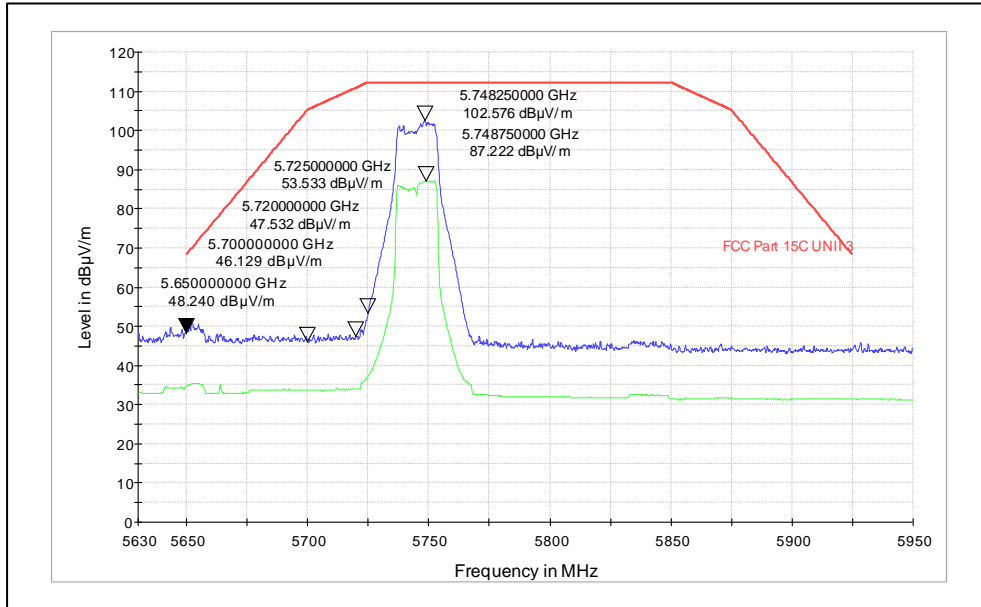


Polarization: Vertical

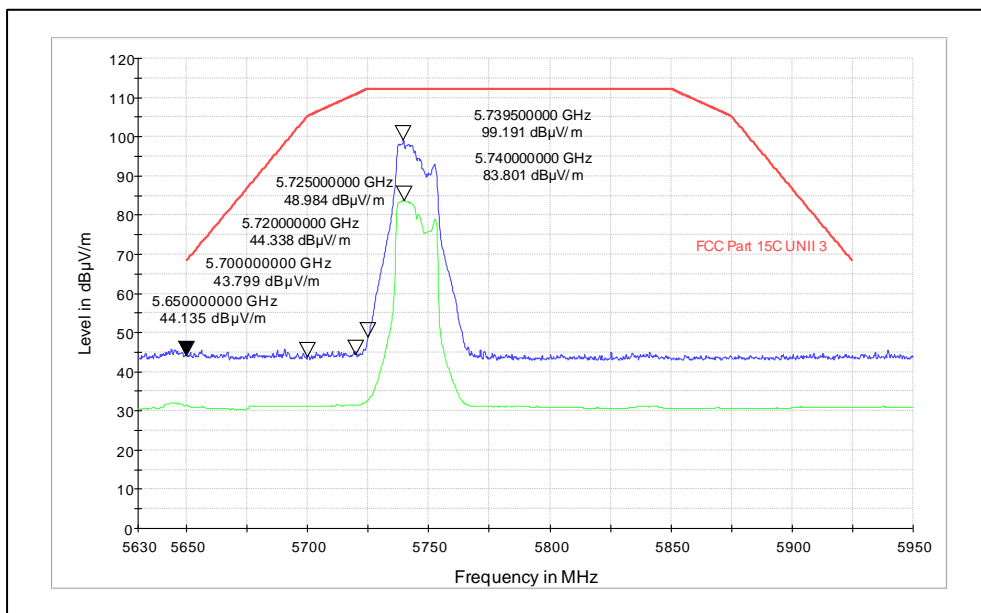


Polarization: Horizontal

Channel Frequency: 5745MHz

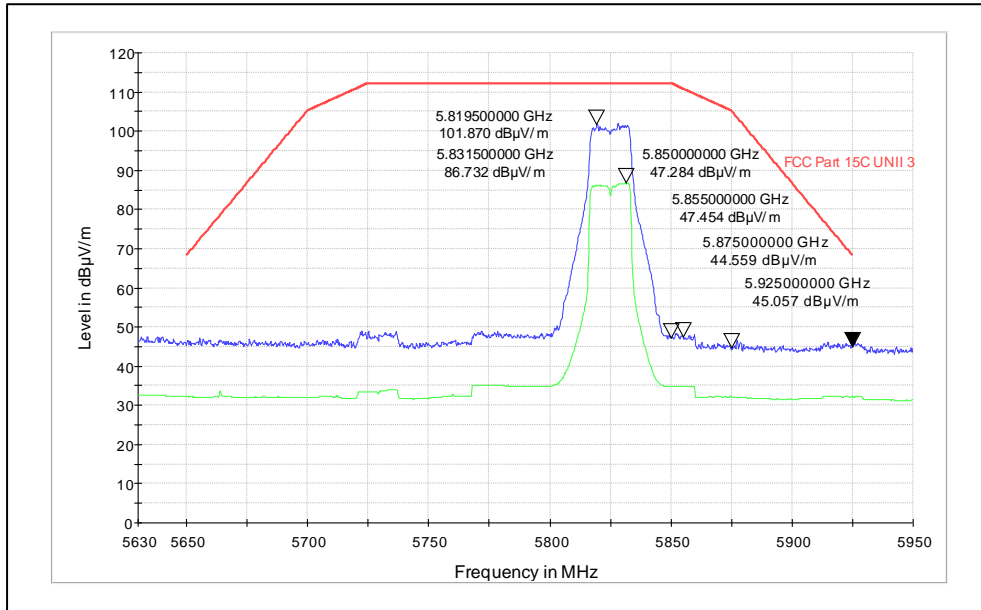


Polarization: Vertical

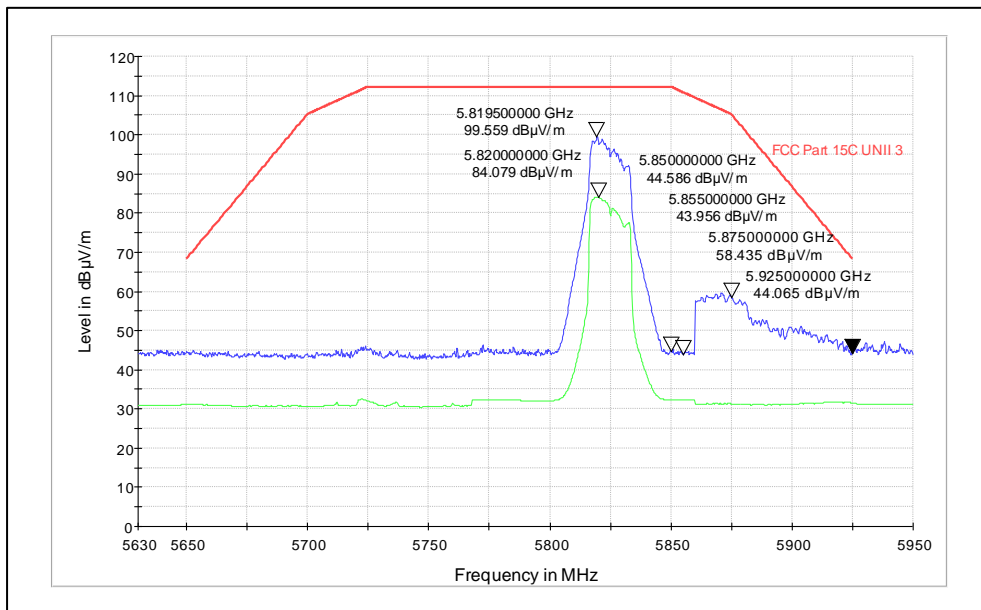


Polarization: Horizontal

Channel Frequency: 5825MHz



Polarization: Vertical



Polarization: Horizontal

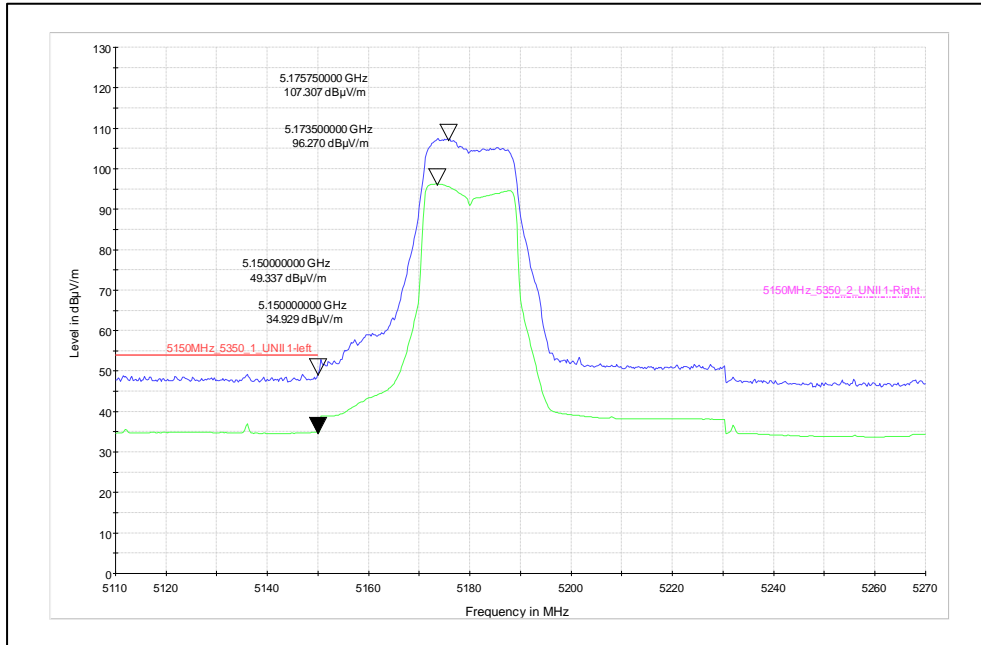
Test Plots

IN23HNHD 001 & IN23HH4B 001

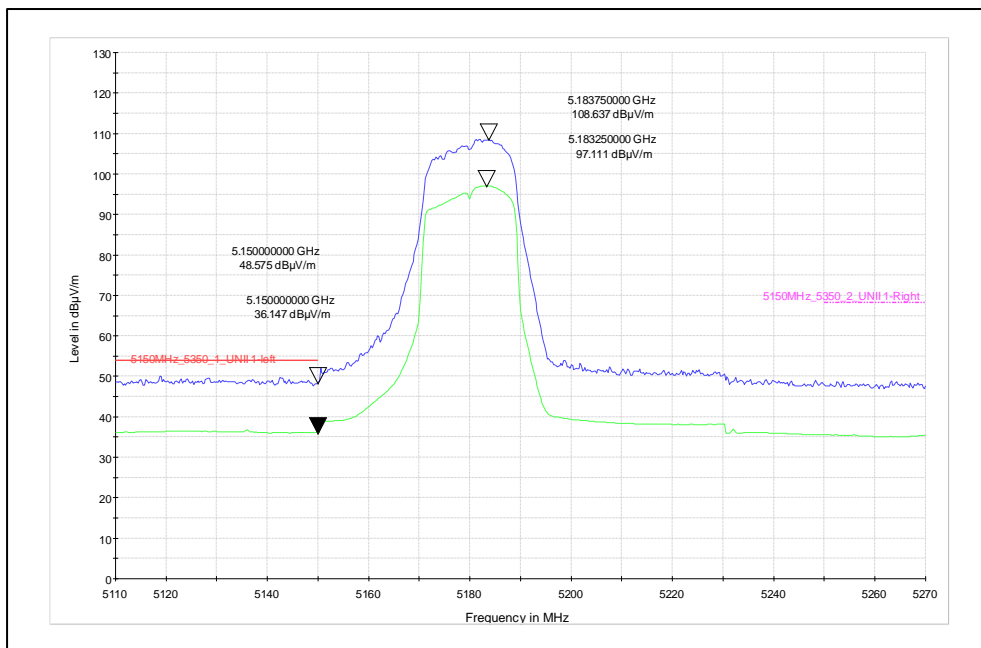
Modulation: 802.11n

Data Rate: MCS7

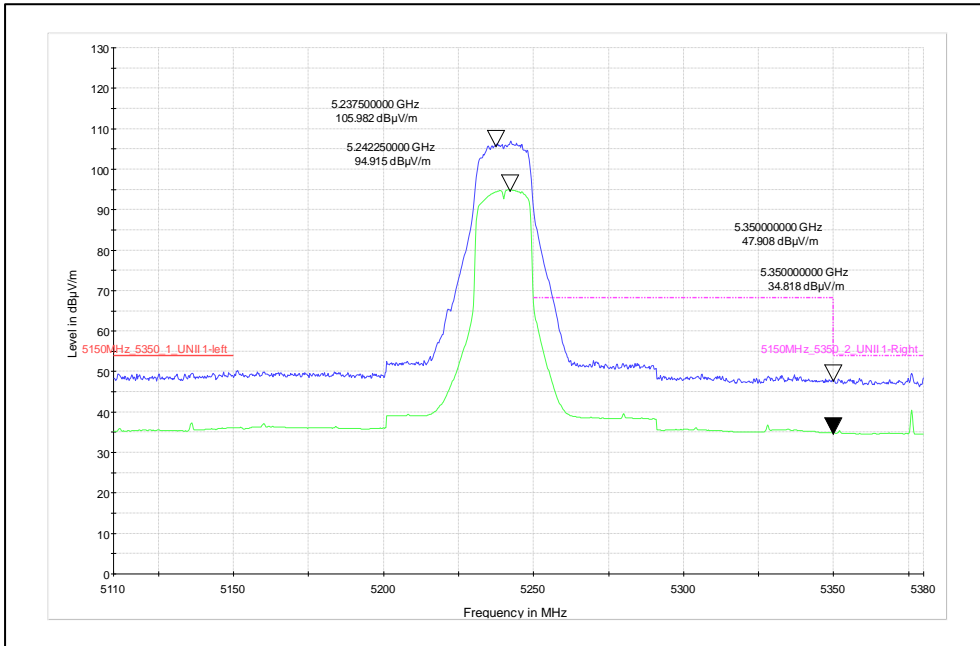
Channel Frequency: 5180MHz



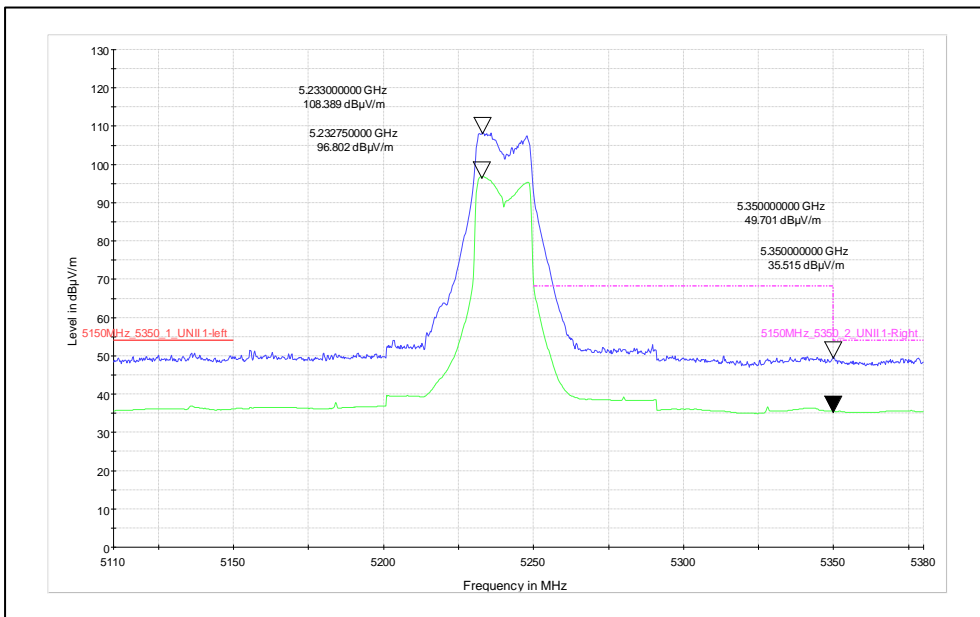
Polarization: Vertical



Channel frequency: 5240MHz

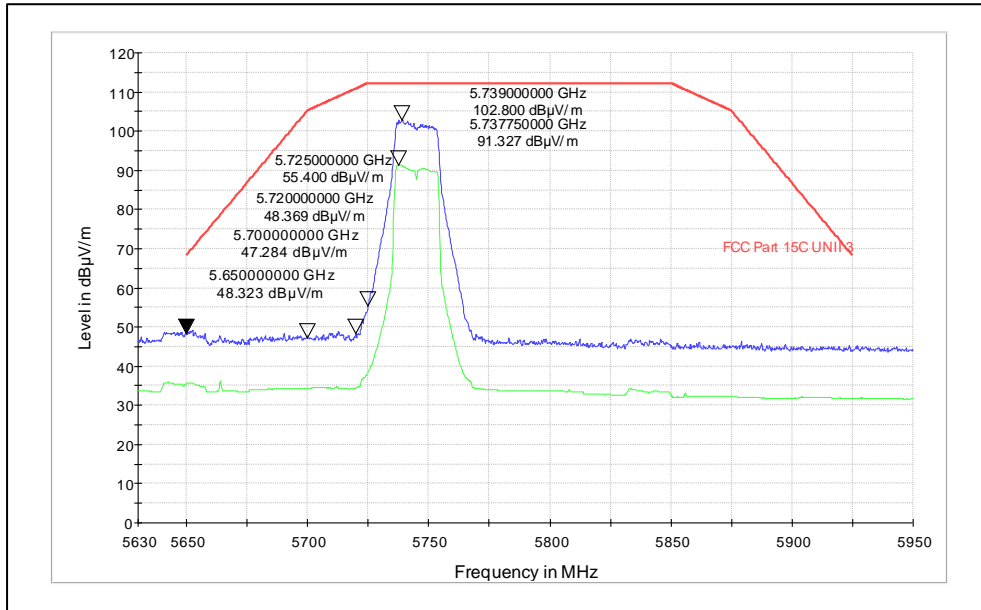


Polarization: Vertical

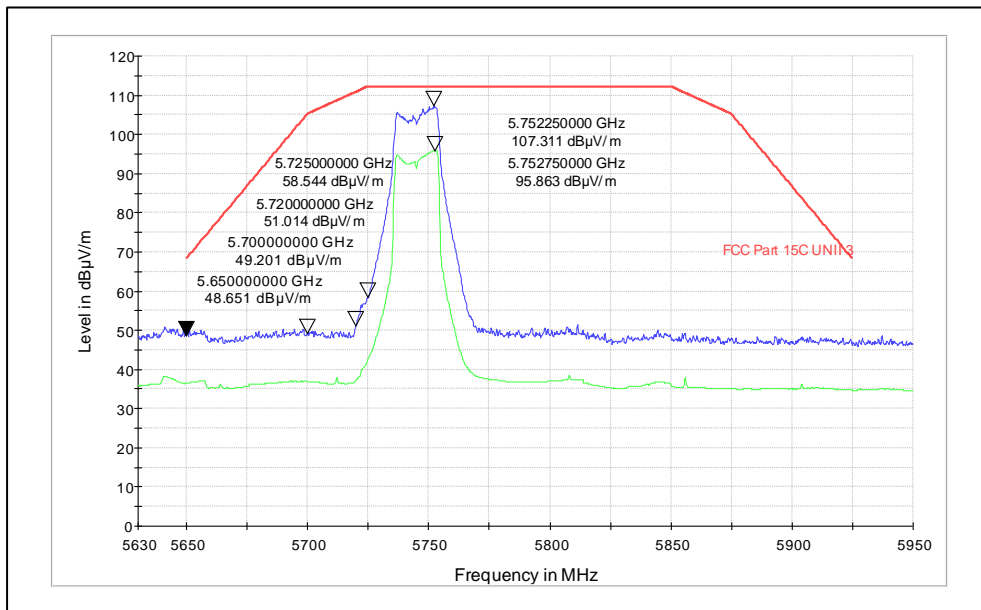


Polarization: Horizontal

Channel frequency: 5745MHz

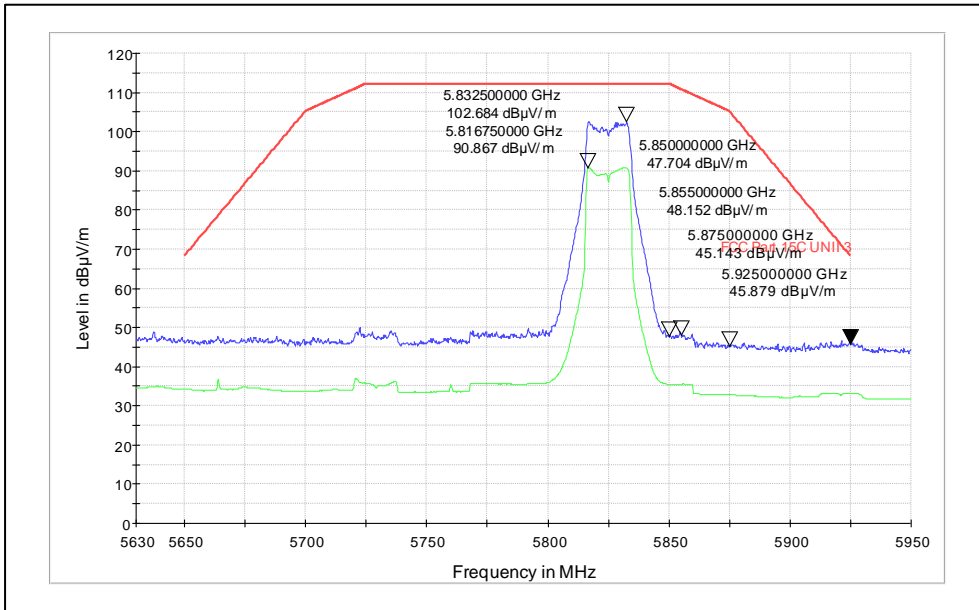


Polarization: Vertical

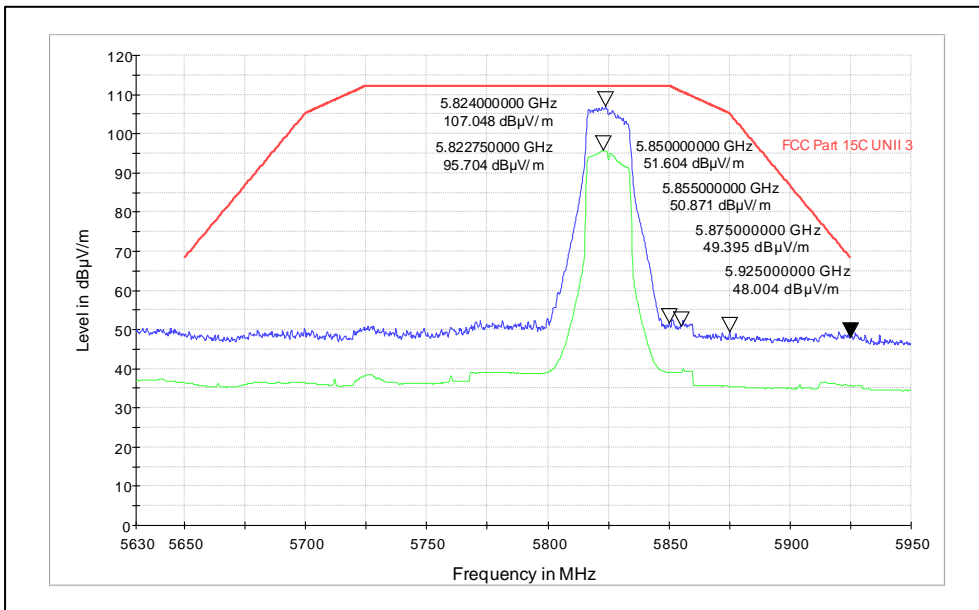


Polarization: Horizontal

Channel frequency: 5825MHz



Polarization: Vertical

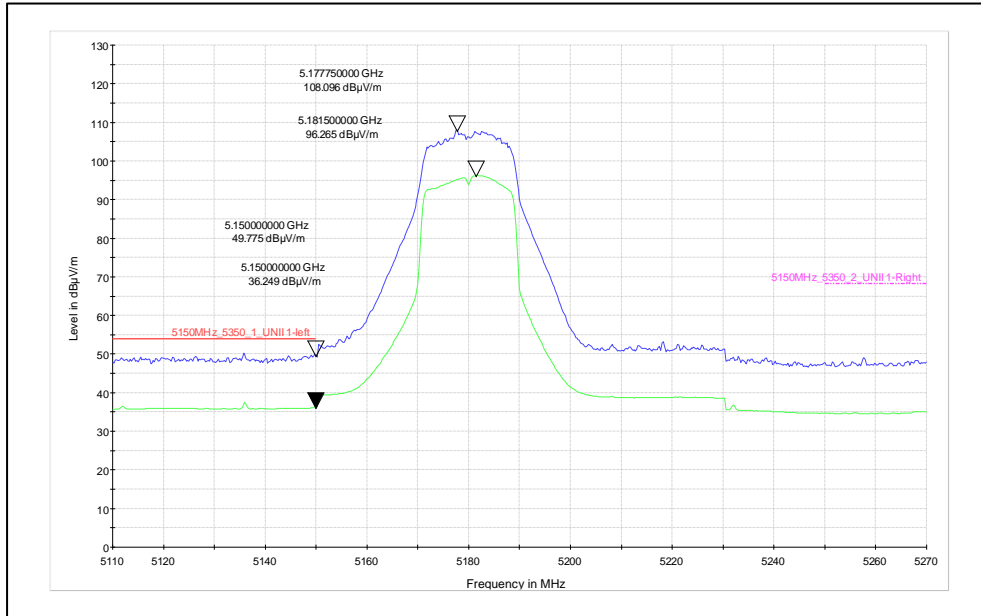


Polarization: Horizontal

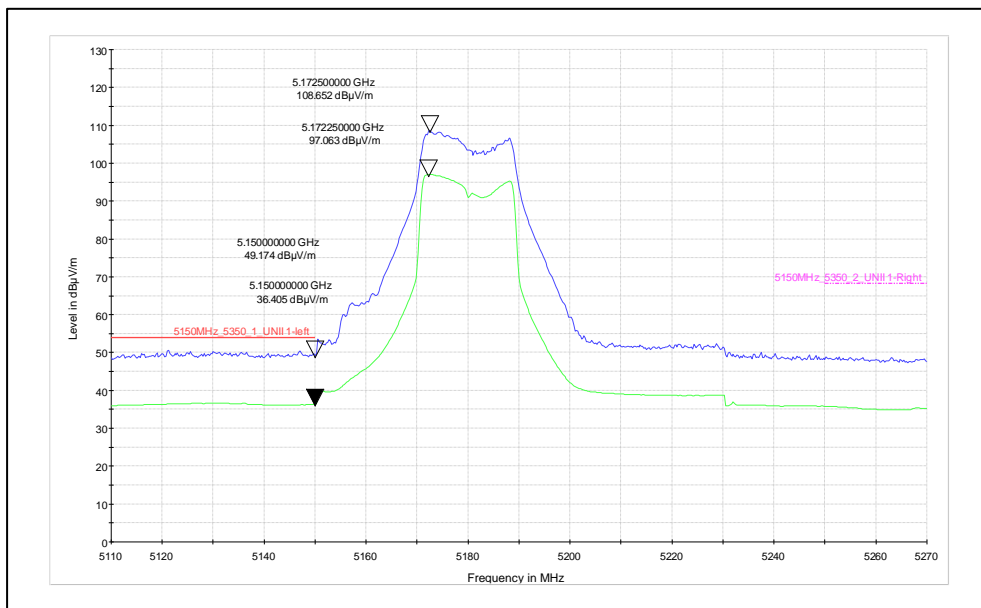
Modulation: 802.11ac

Data Rate: MCS8

Channel frequency: 5180MHz



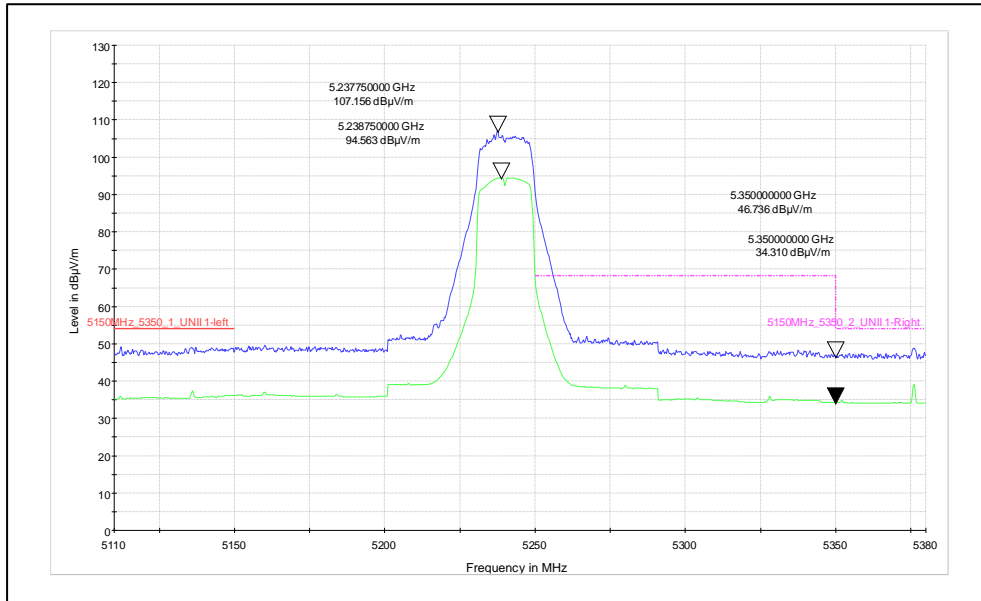
Polarization: Vertical



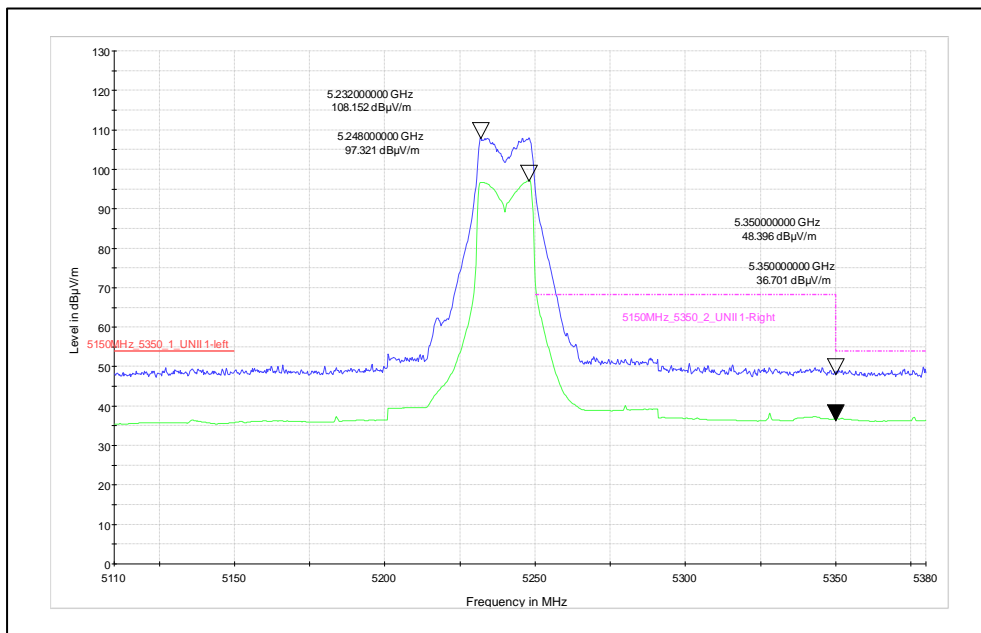
Polarization: Horizontal



Channel frequency: 5240MHz

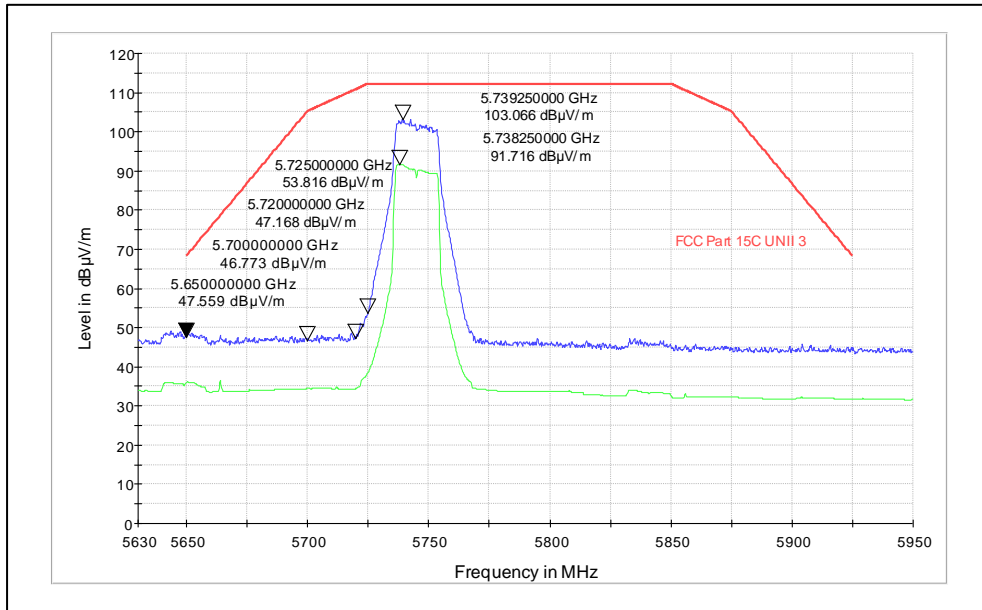


Polarization: Vertical

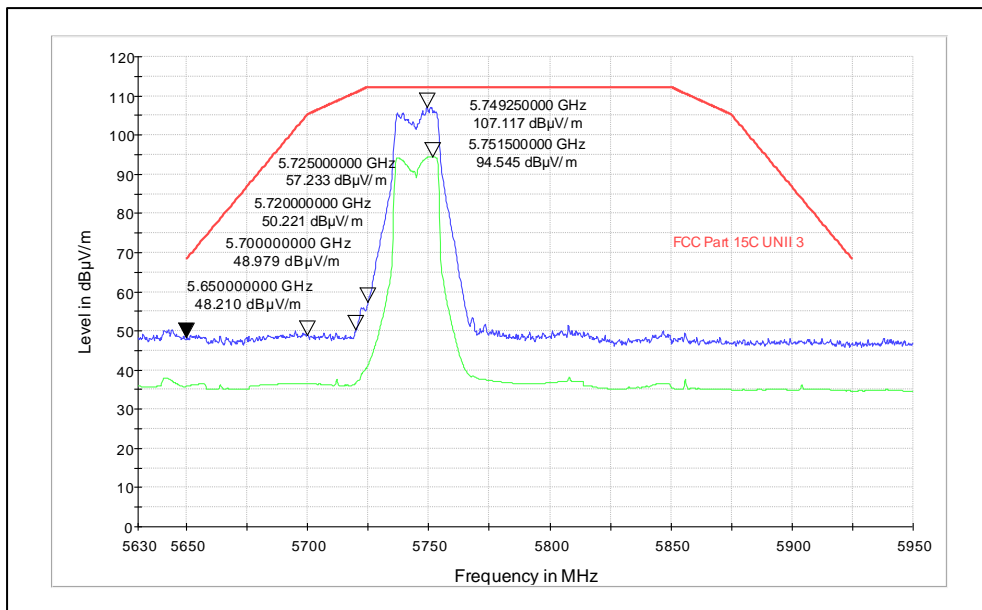


Polarization: Horizontal

Channel frequency: 5745MHz

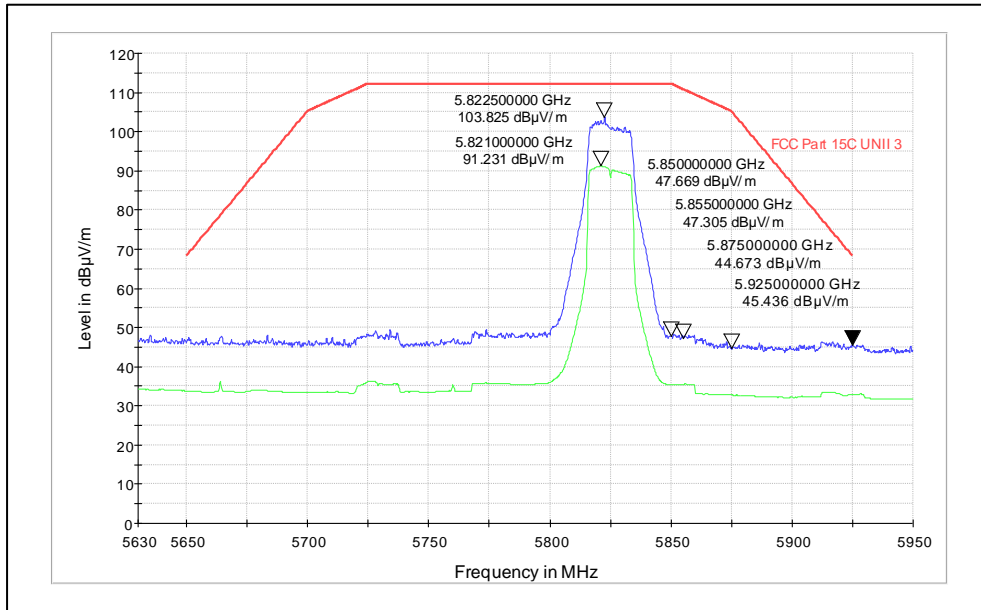


Polarization: Vertical

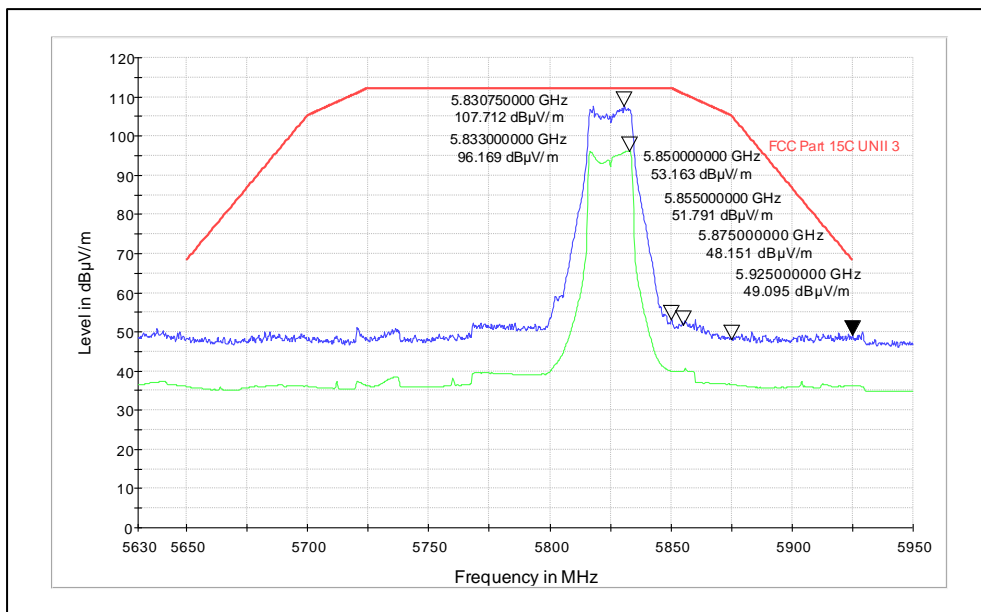


Polarization: Horizontal

Channel frequency: 5825MHz



Polarization: Vertical



Polarization: Horizontal

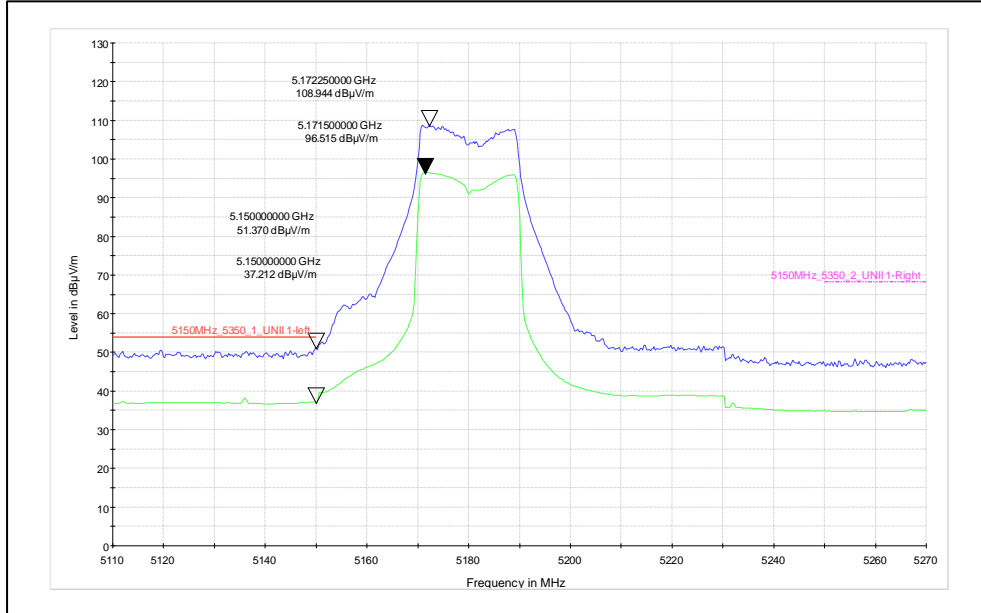
Test Plots

IN23HNHD 001 & IN23HH4B 001

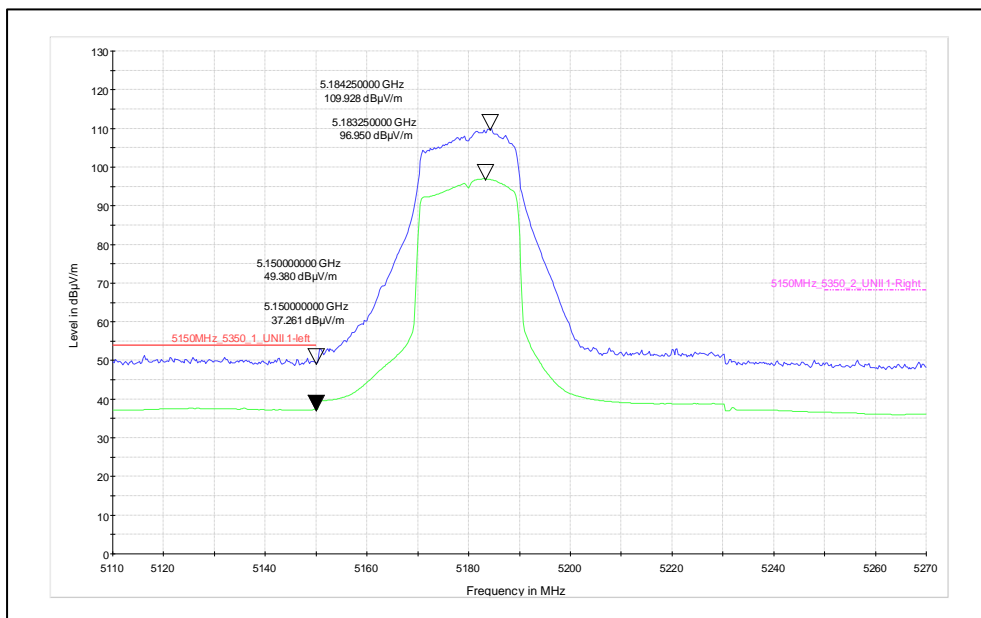
Modulation: 802.11ax

Data Rate: MCS11

Channel frequency: 5180MHz

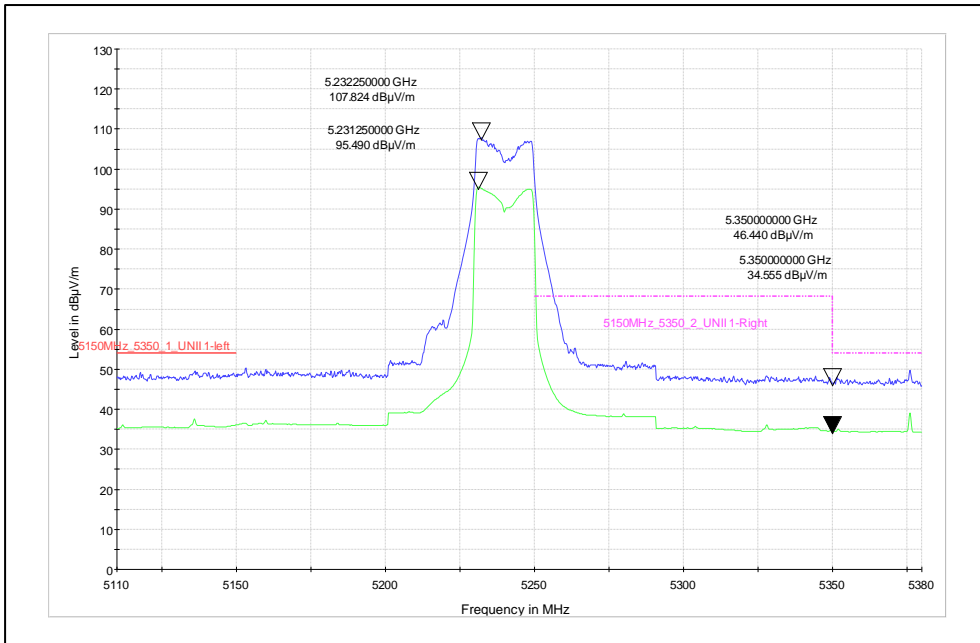


Polarization: Vertical

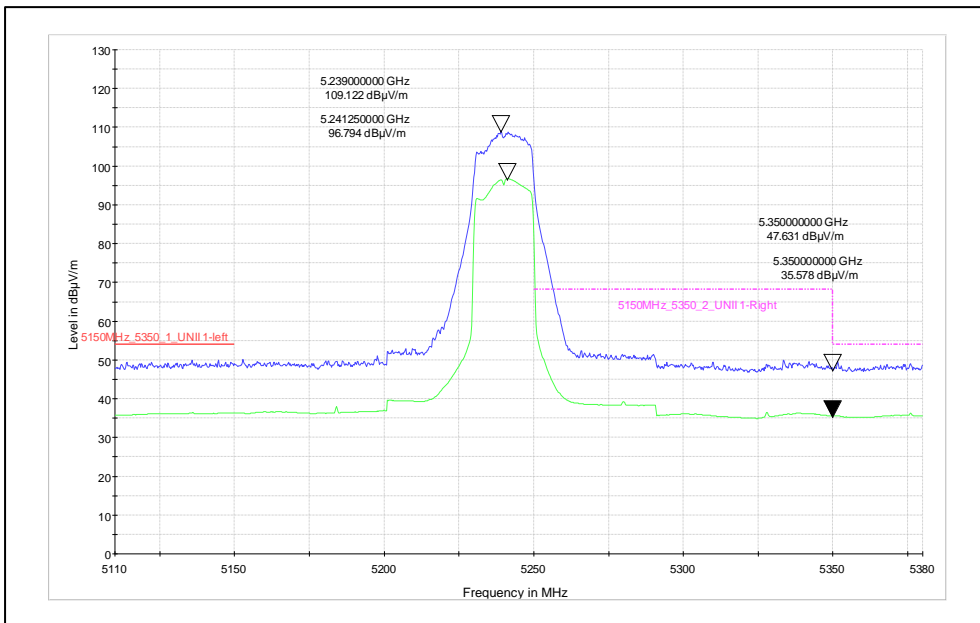


Polarization: Horizontal

Channel frequency: 5240MHz

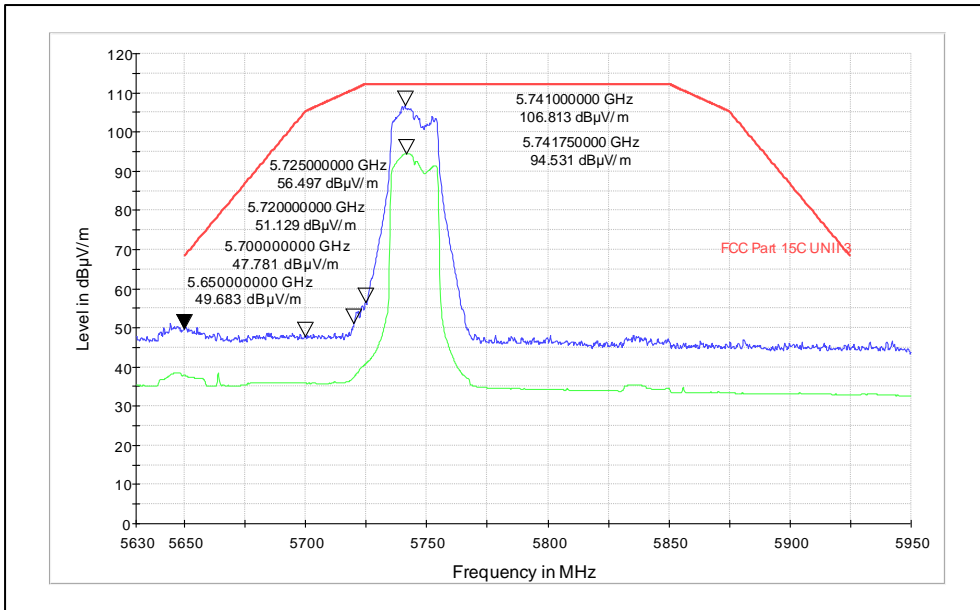


Polarization: Vertical

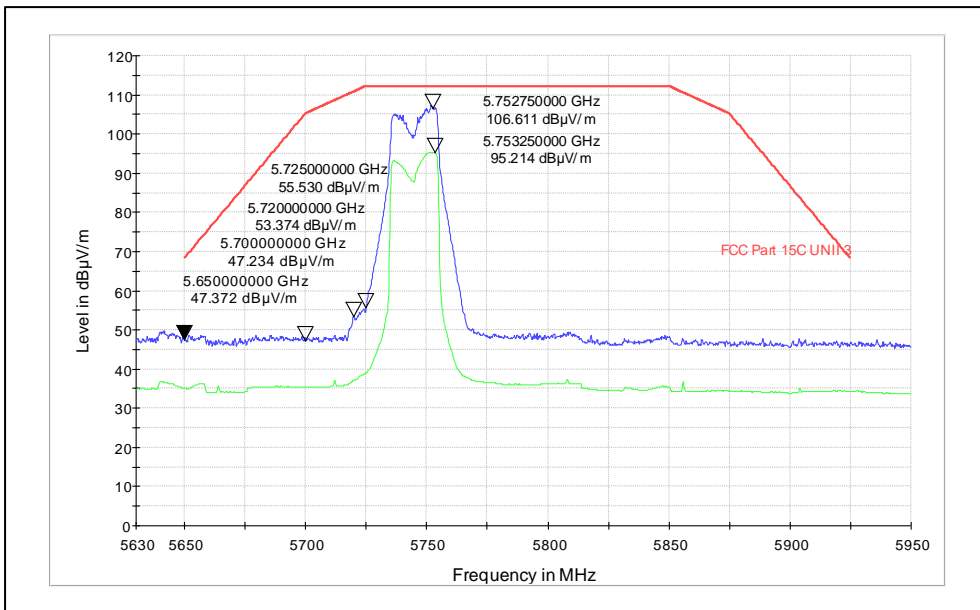


Polarization: Horizontal

Channel frequency: 5745MHz

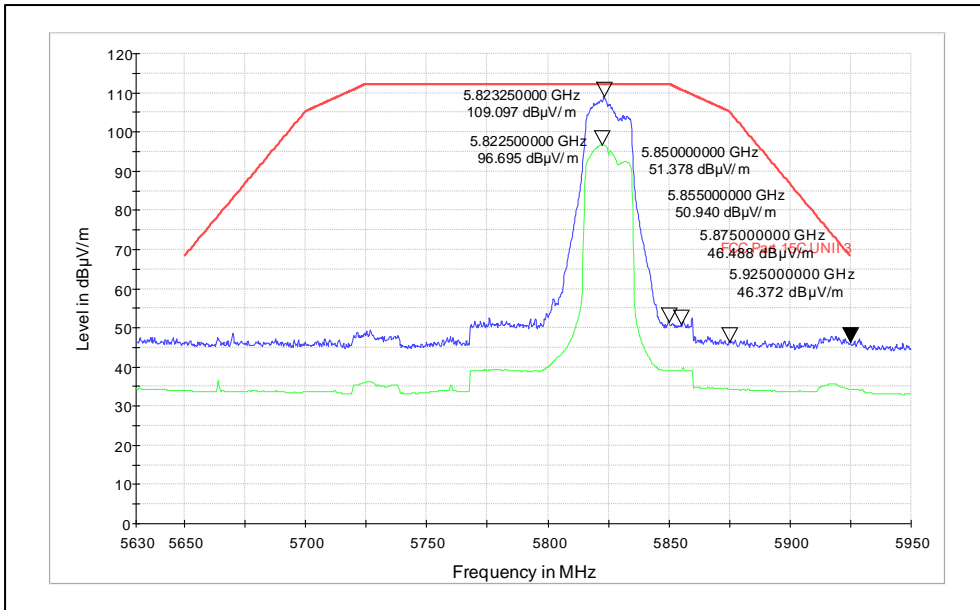


Polarization: Vertical

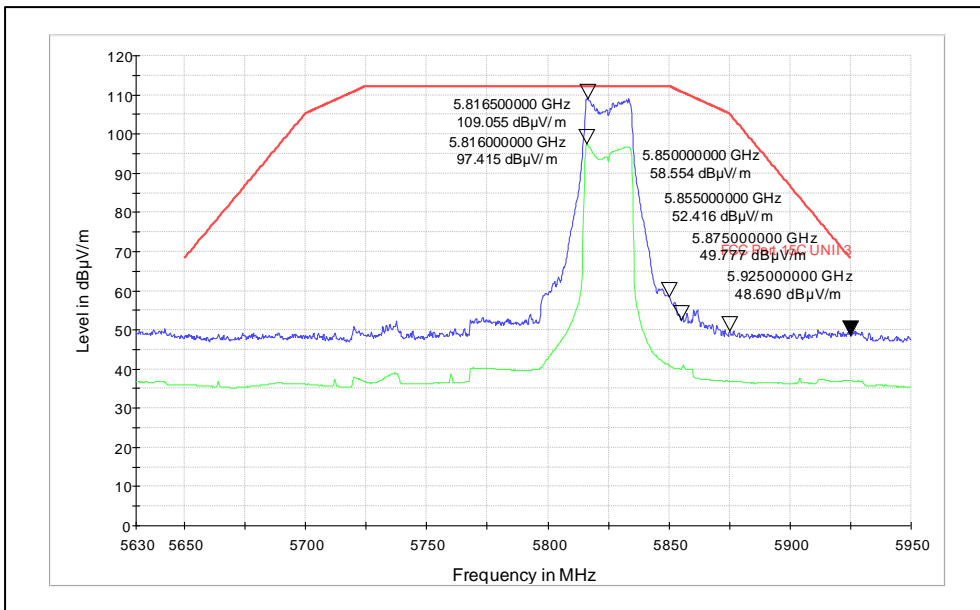


Polarization: Horizontal

Channel frequency: 5825MHz



Polarization: Vertical



Polarization: Horizontal

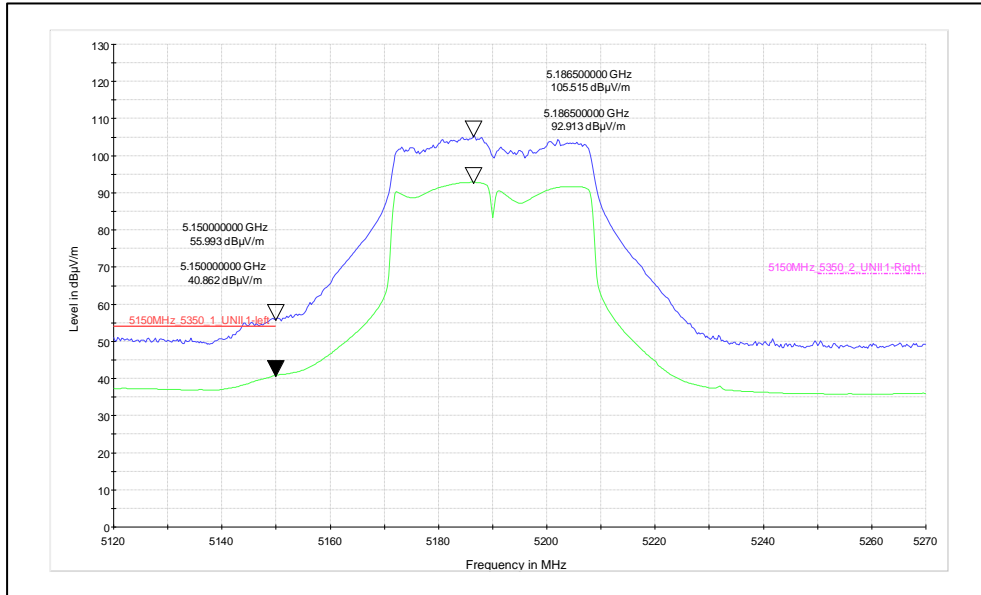
Test Plots

IN23HNHD 001 & IN23HH4B 001

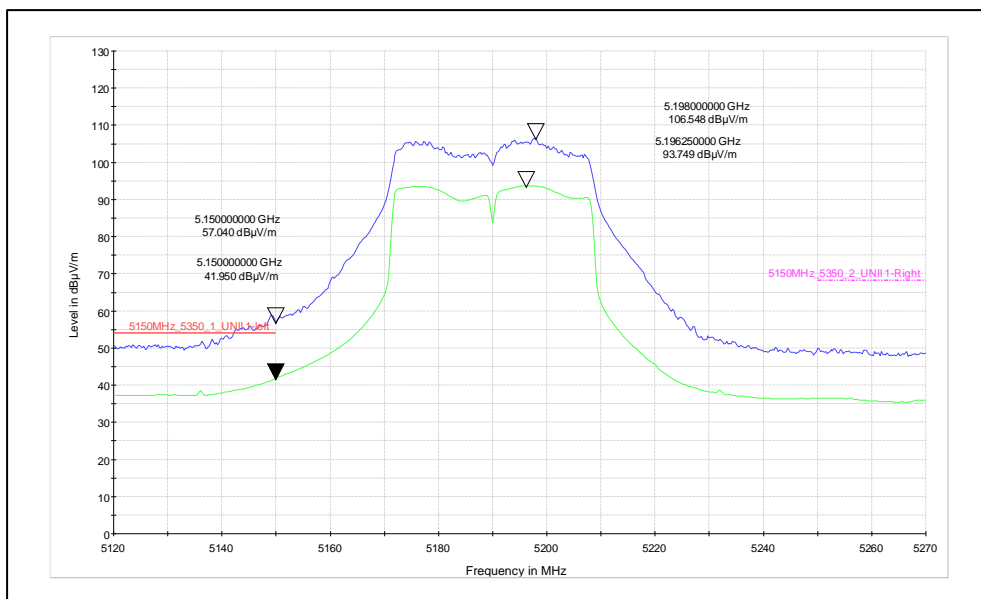
Modulation: 802.11n-40MHz

Data Rate: MCS7

Channel frequency: 5190MHz



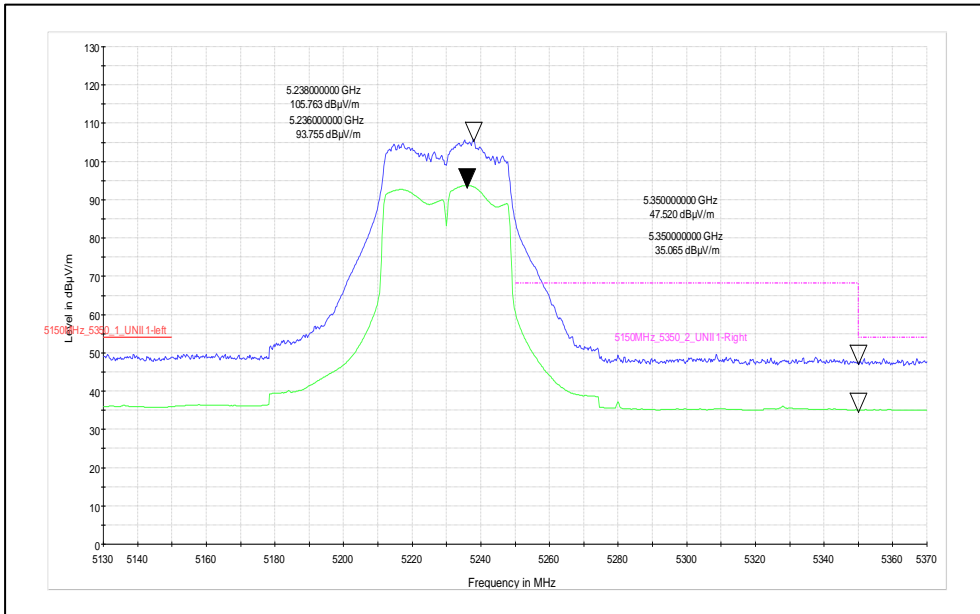
Polarization: Vertical



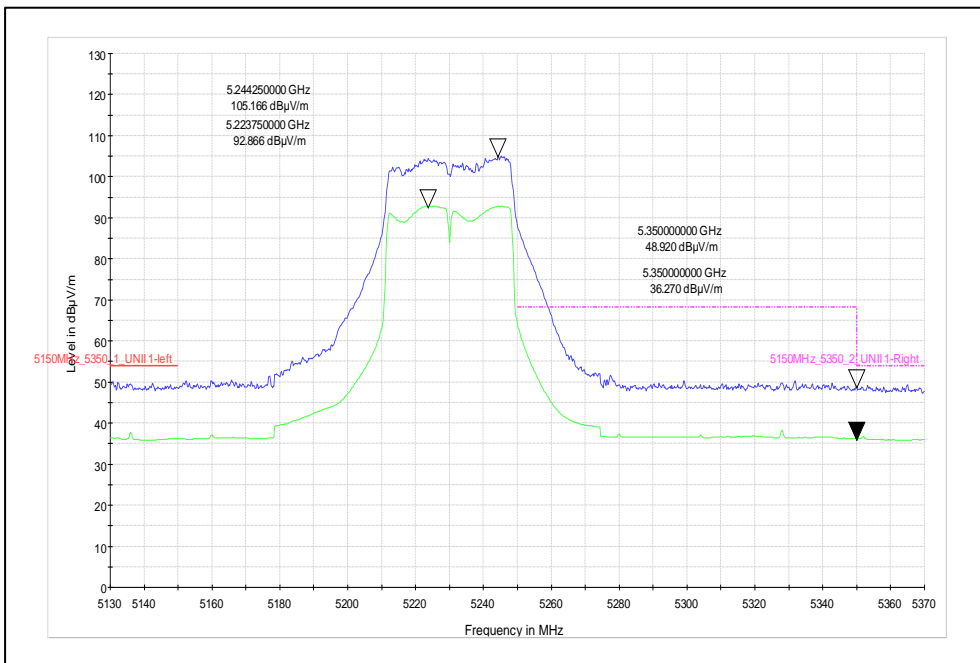
Polarization: Horizontal



Channel frequency: 5230MHz

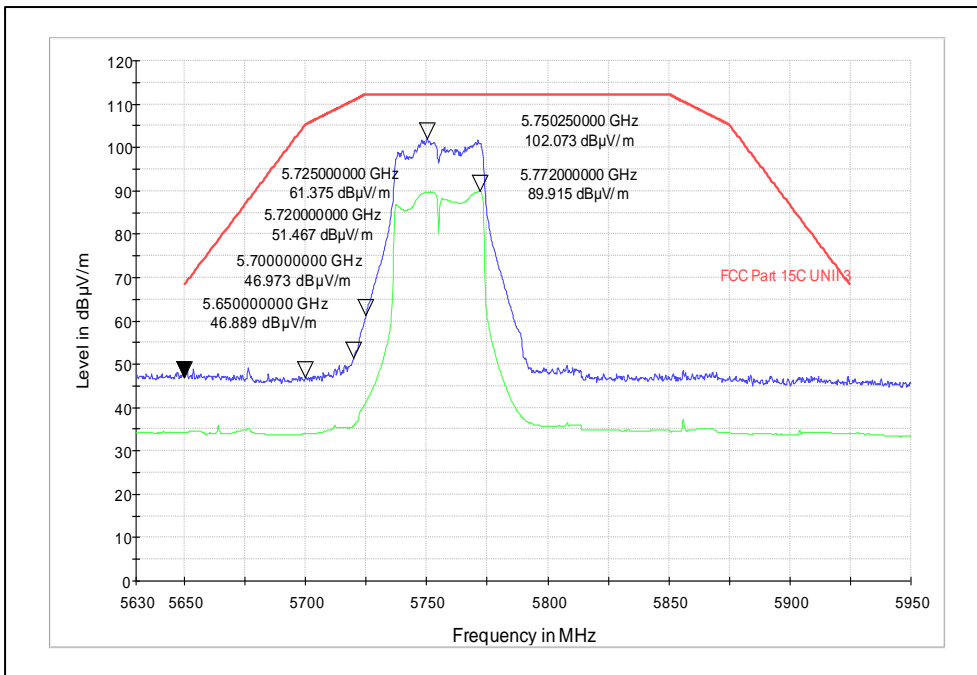


Polarization: Vertical

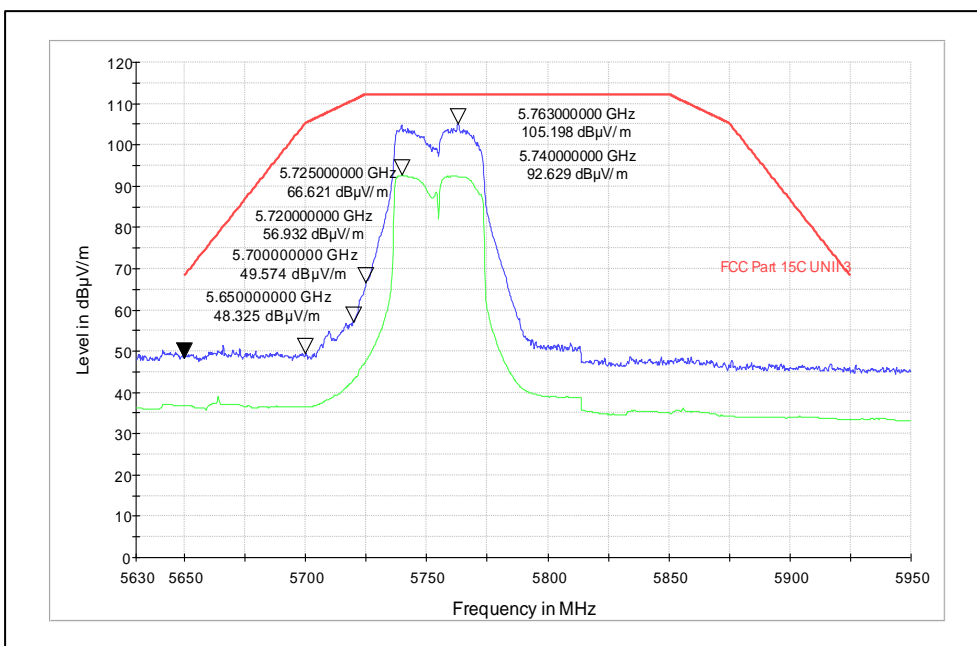


Polarization: Horizontal

Channel frequency: 5755MHz

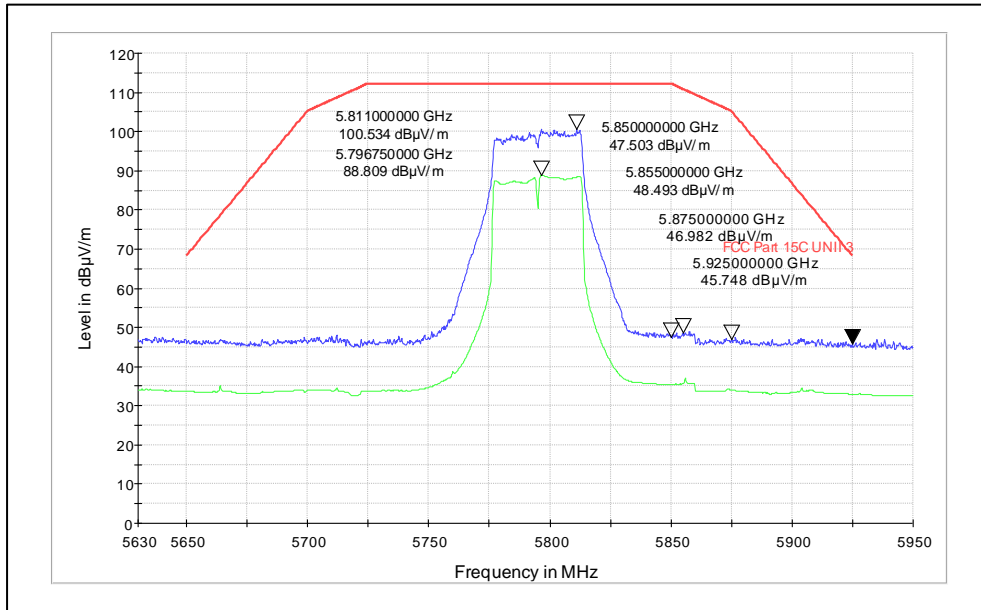


Polarization: Vertical

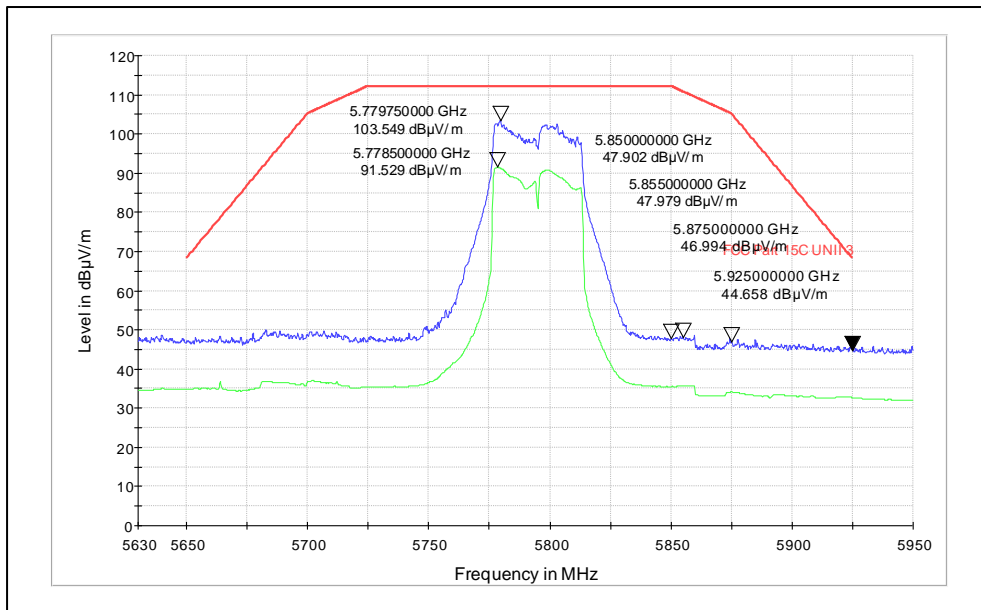


Polarization: Horizontal

Channel frequency: 5795MHz



Polarization: Vertical

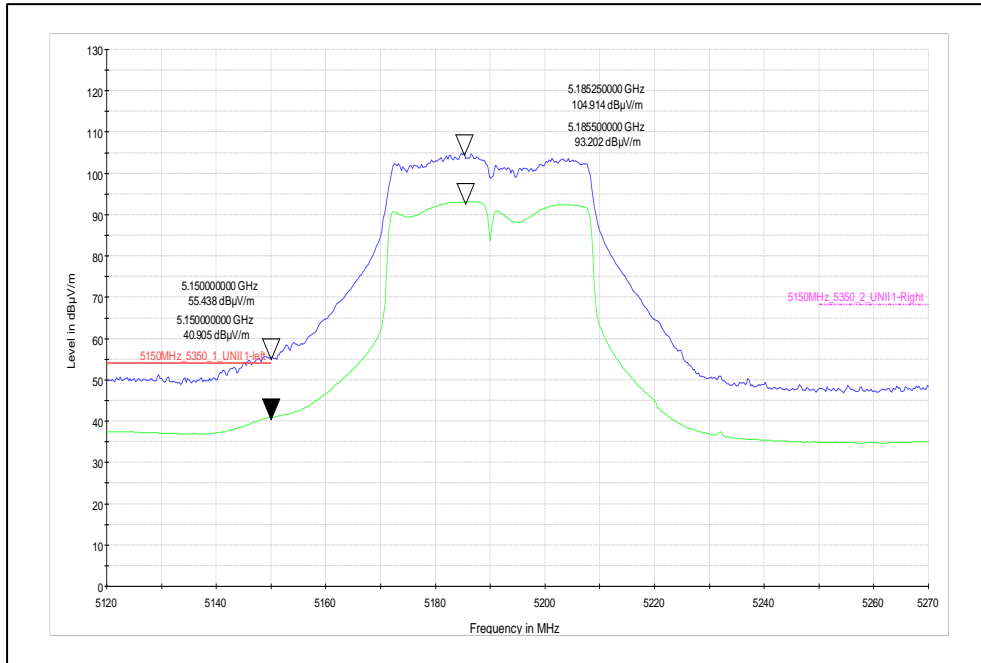


Polarization: Horizontal

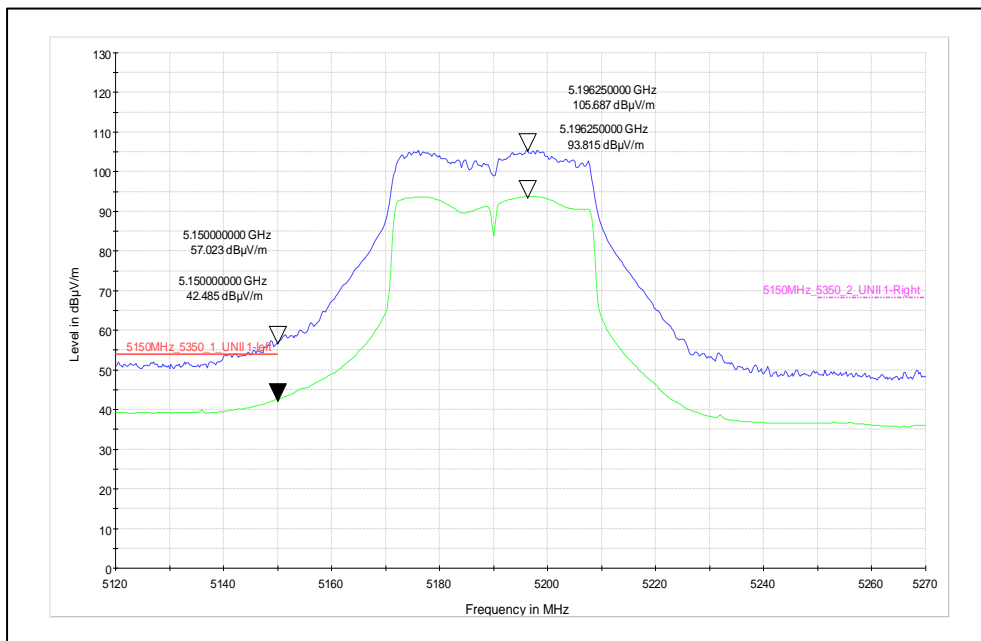
Modulation: 802.11 ac\_ 40 MHz

Data Rate: MCS9

Channel frequency: 5190MHz

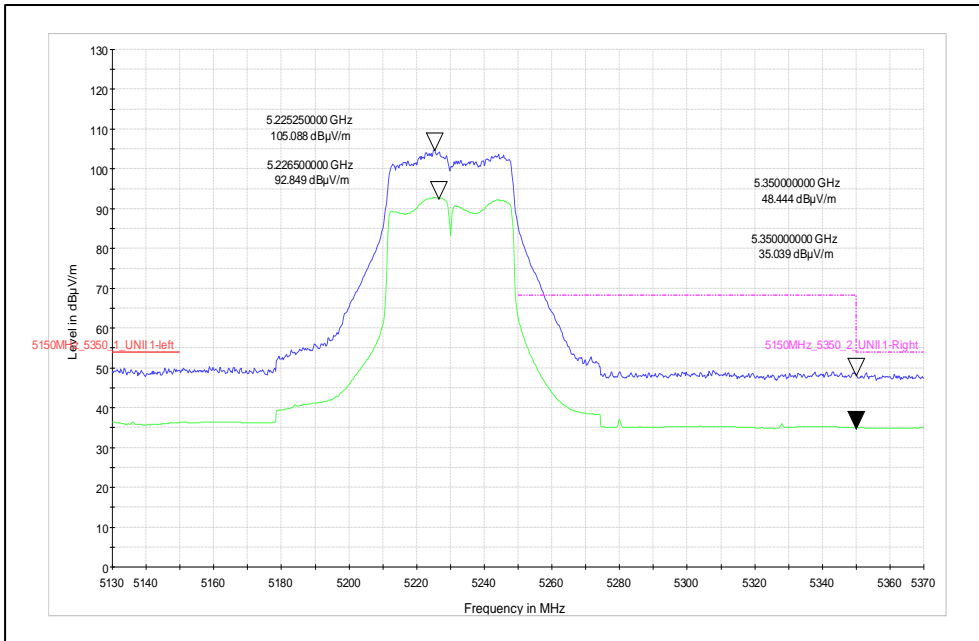


Polarization: Vertical

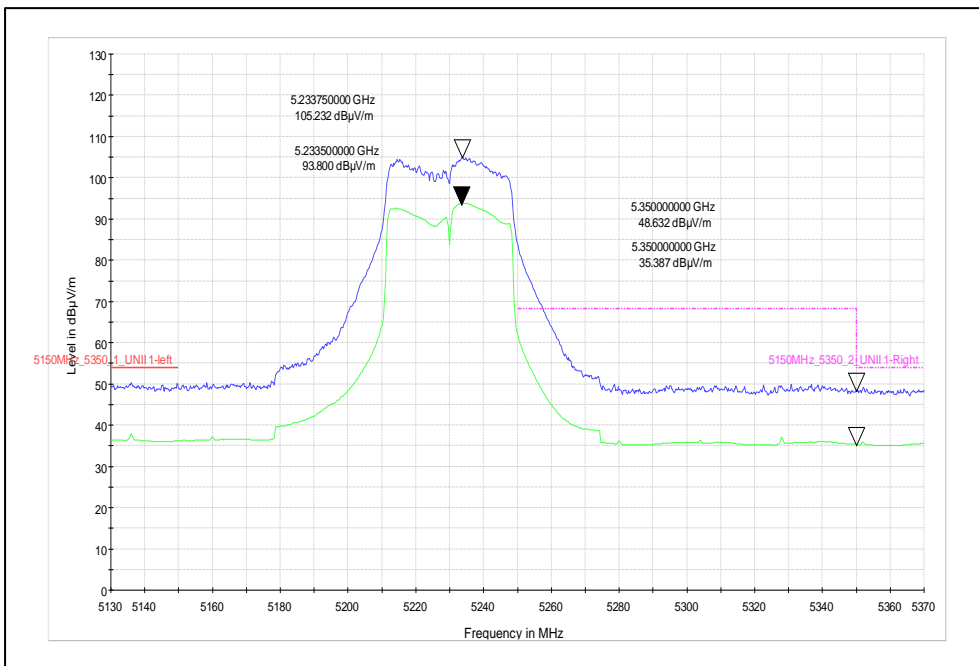


Polarization: Horizontal

Channel frequency: 5230MHz



Polarization: Vertical

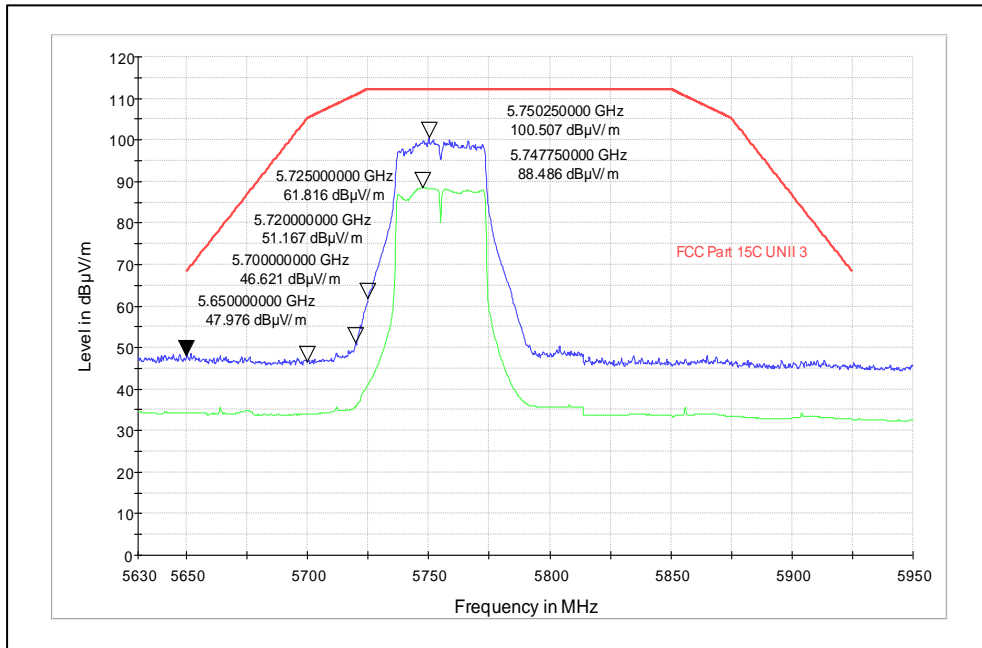


Polarization: Horizontal

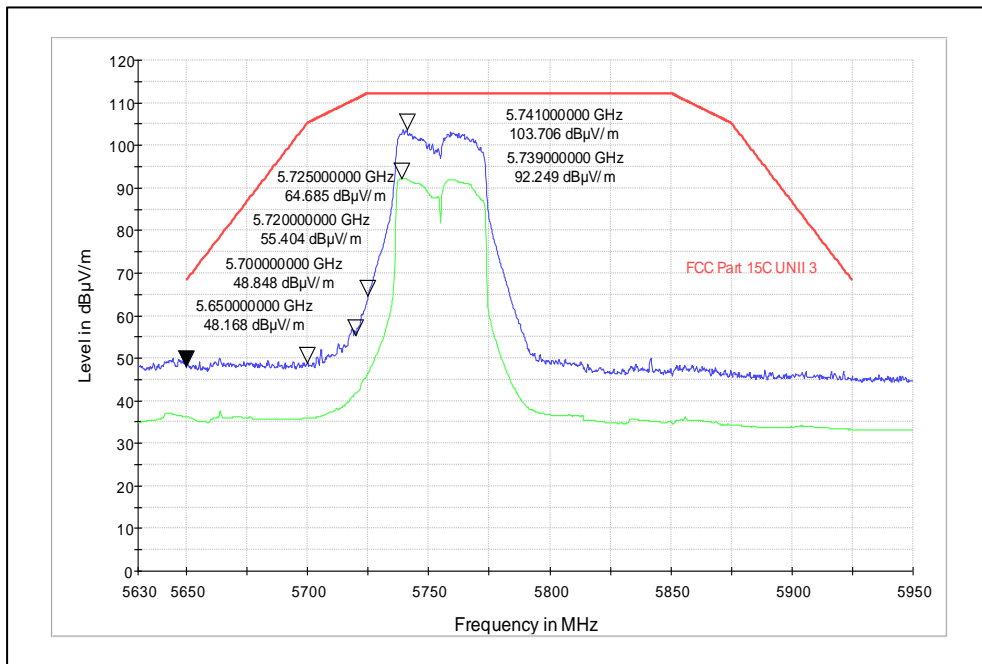
Test Plots

IN23HNHD 001 & IN23HH4B 001

Channel frequency: 5755MHz

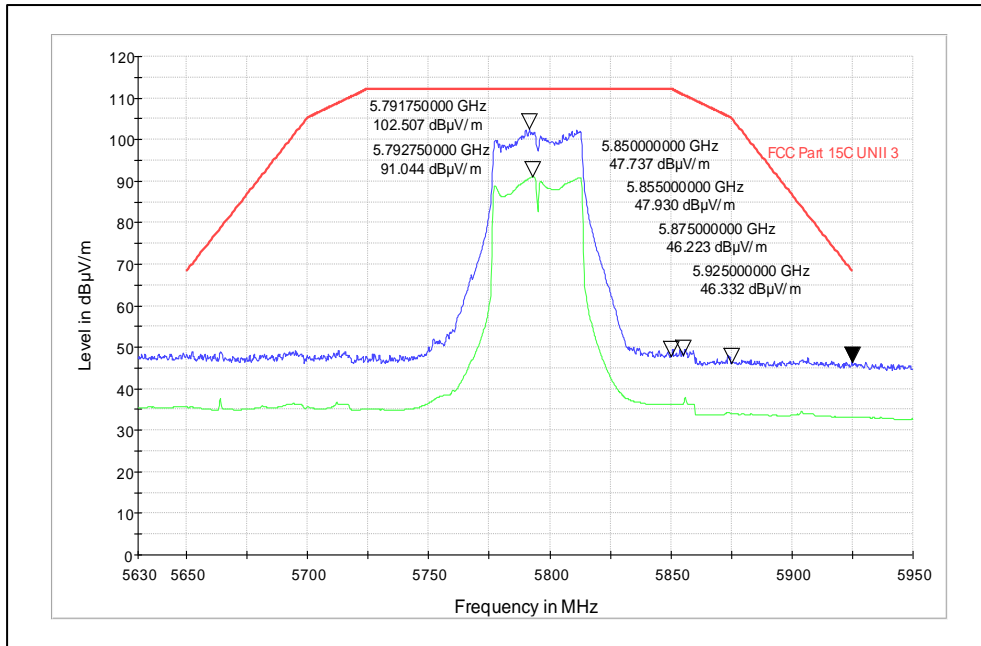


Polarization: Vertical

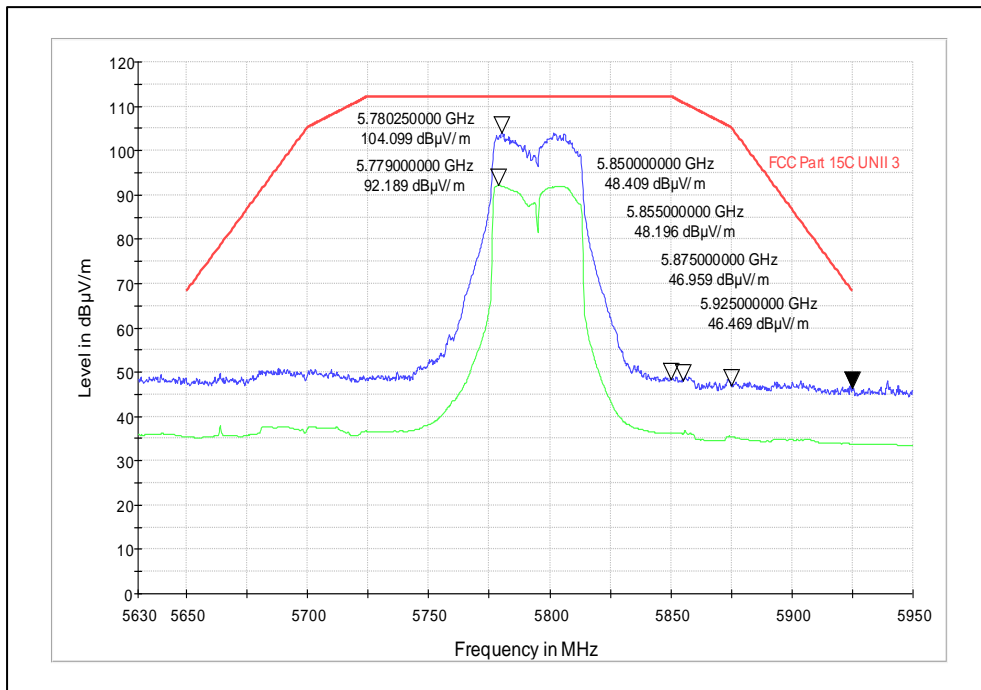


Polarization: Horizontal

Channel frequency: 5795MHz



Polarization: Vertical



Polarization: Horizontal

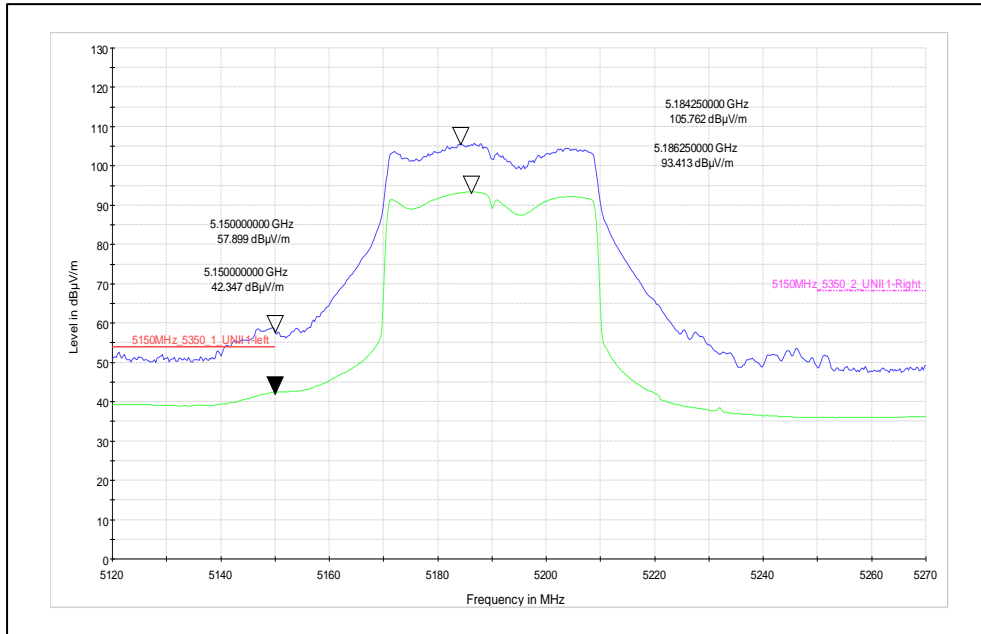
Test Plots

IN23HNHD 001 & IN23HH4B 001

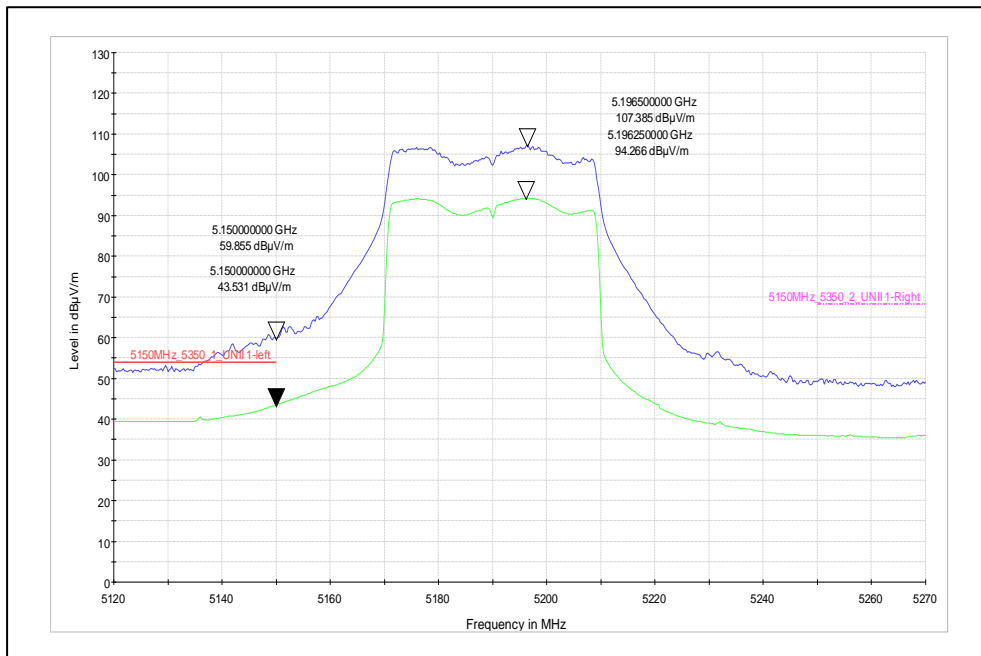
Modulation: 802.11 ax\_ 40 MHz

Data Rate: MCS11

Channel frequency: 5190MHz



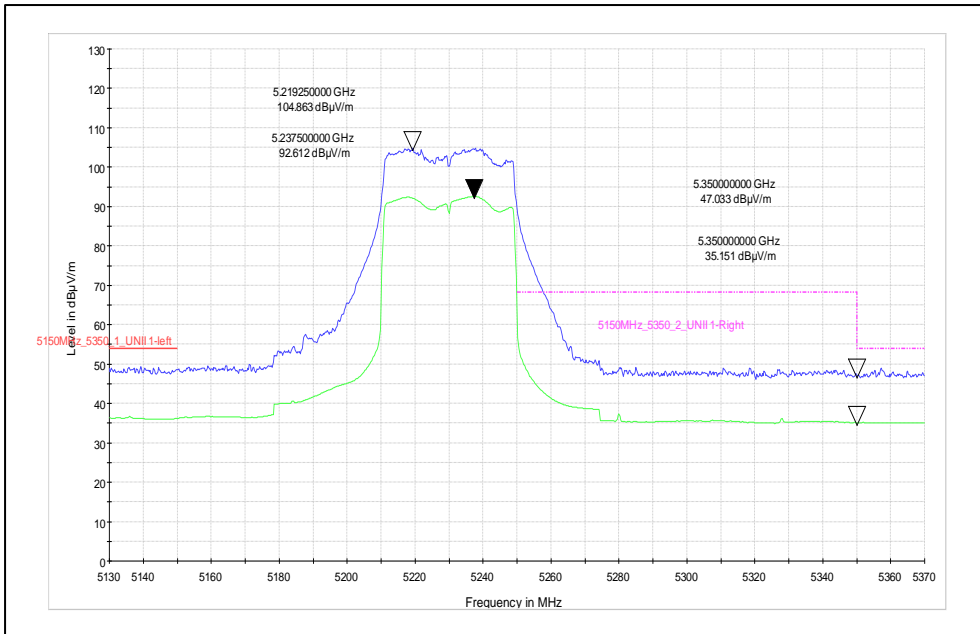
Polarization: Vertical



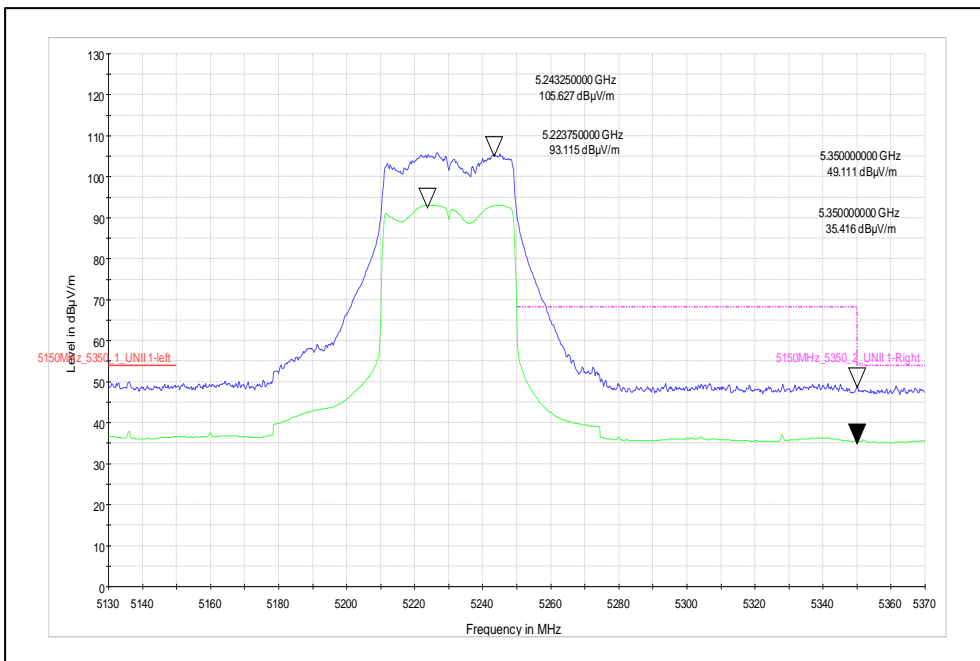
Polarization: Horizontal



Channel frequency: 5230MHz

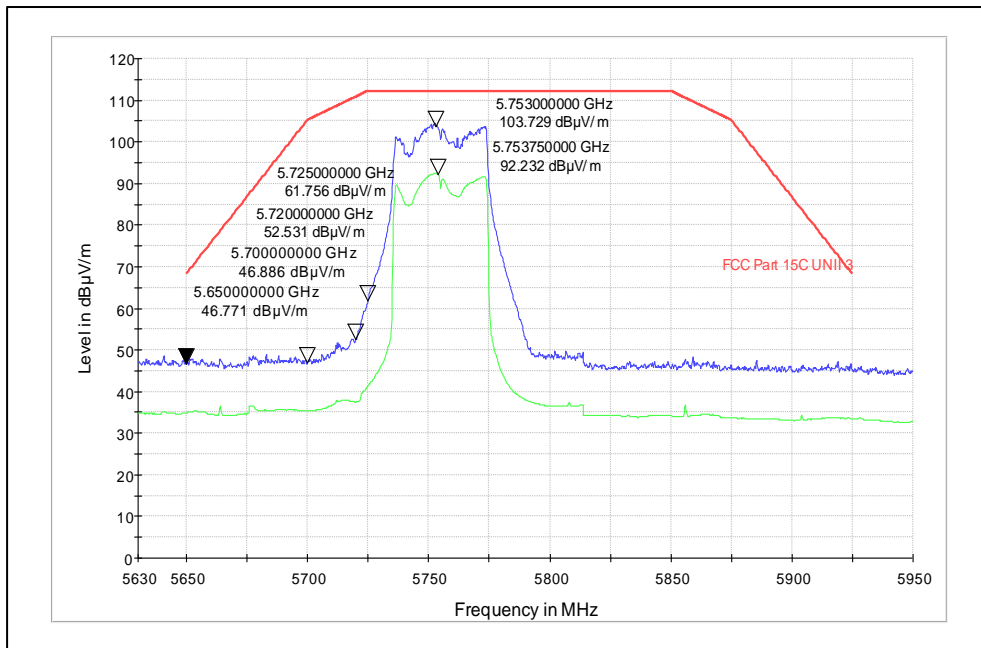


Polarization: Vertical

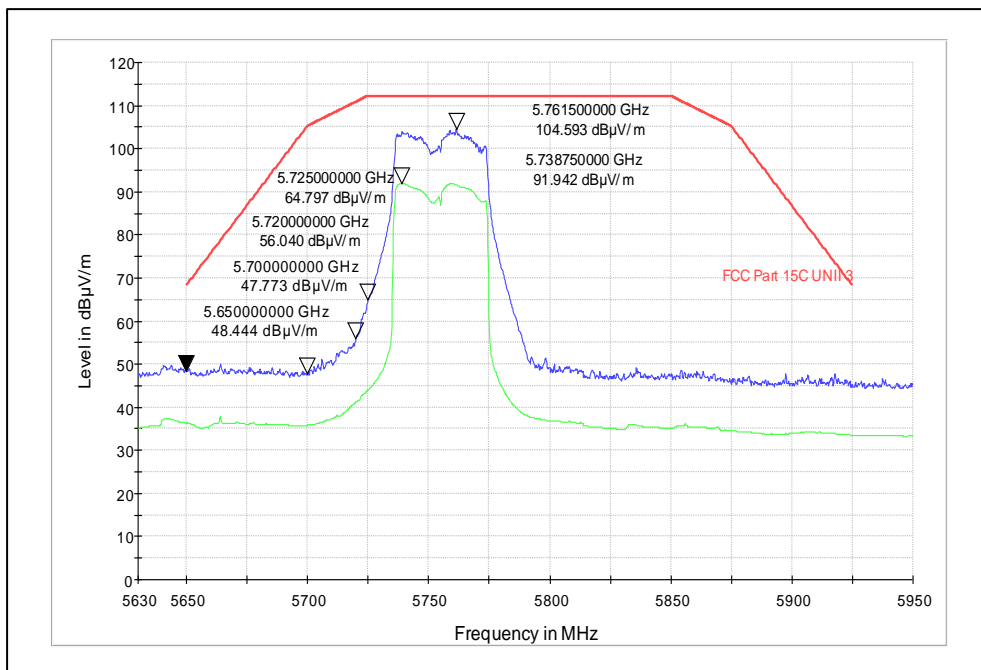


Polarization: Horizontal

Channel frequency: 5755MHz

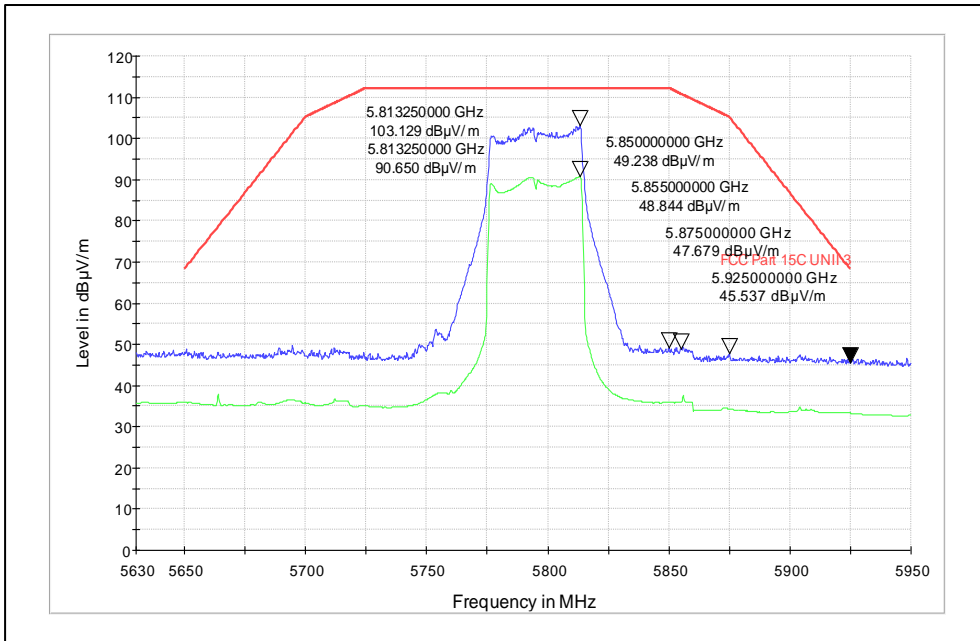


Polarization: Vertical

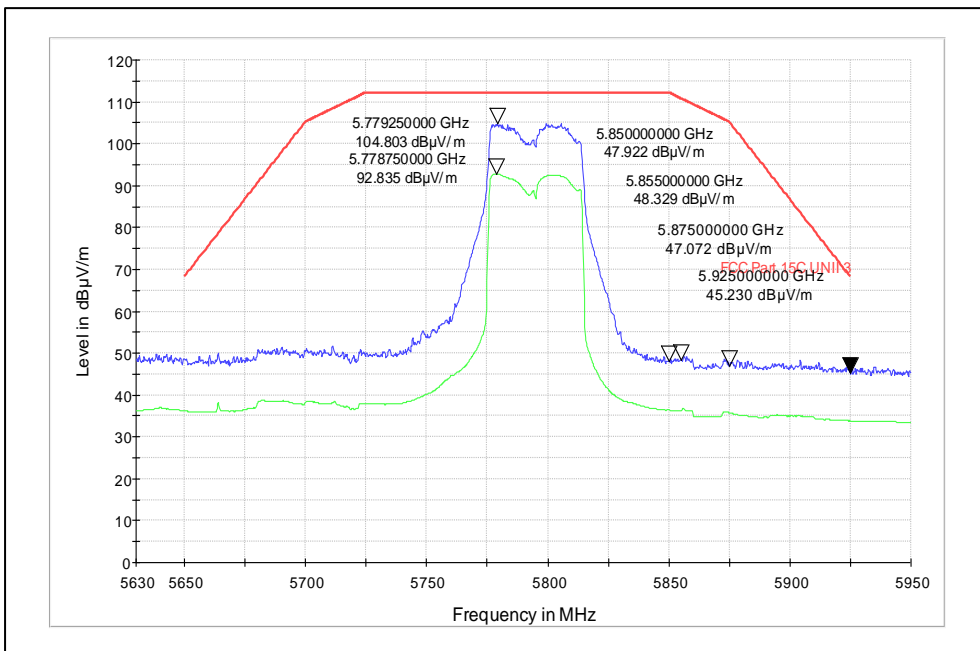


Polarization: Horizontal

Channel frequency: 5795MHz



Polarization: Vertical

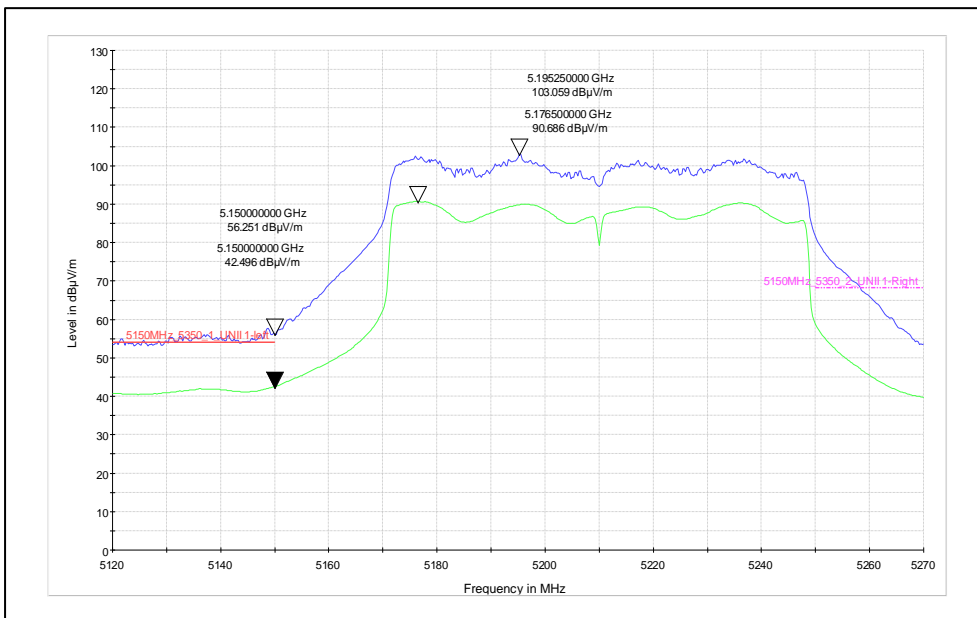


Polarization: Horizontal

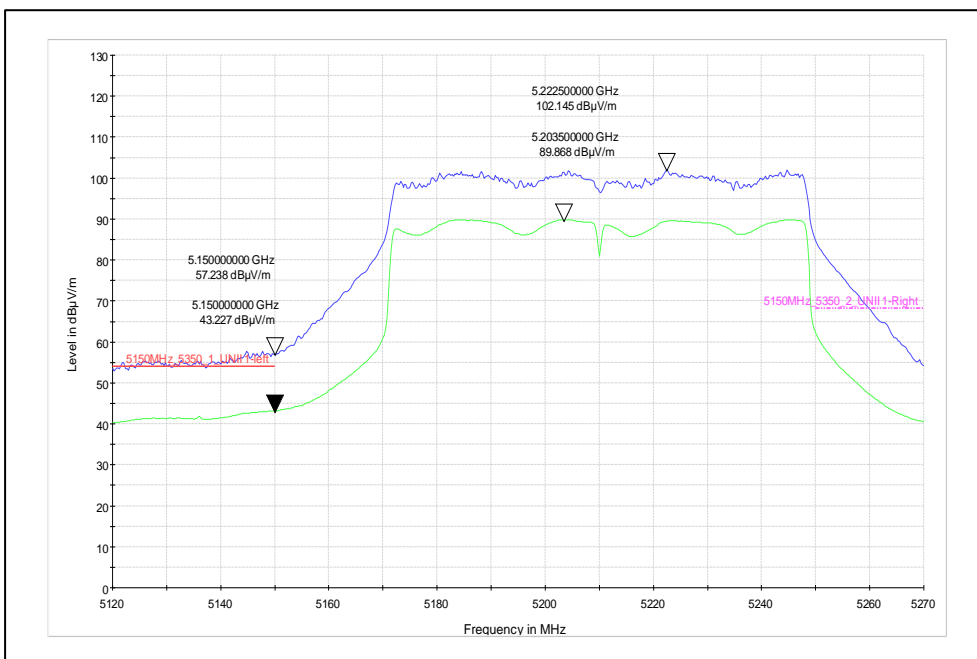
Modulation: 802.11 ac\_ 80 MHz

Data Rate: MCS9

Channel frequency: 5210MHz

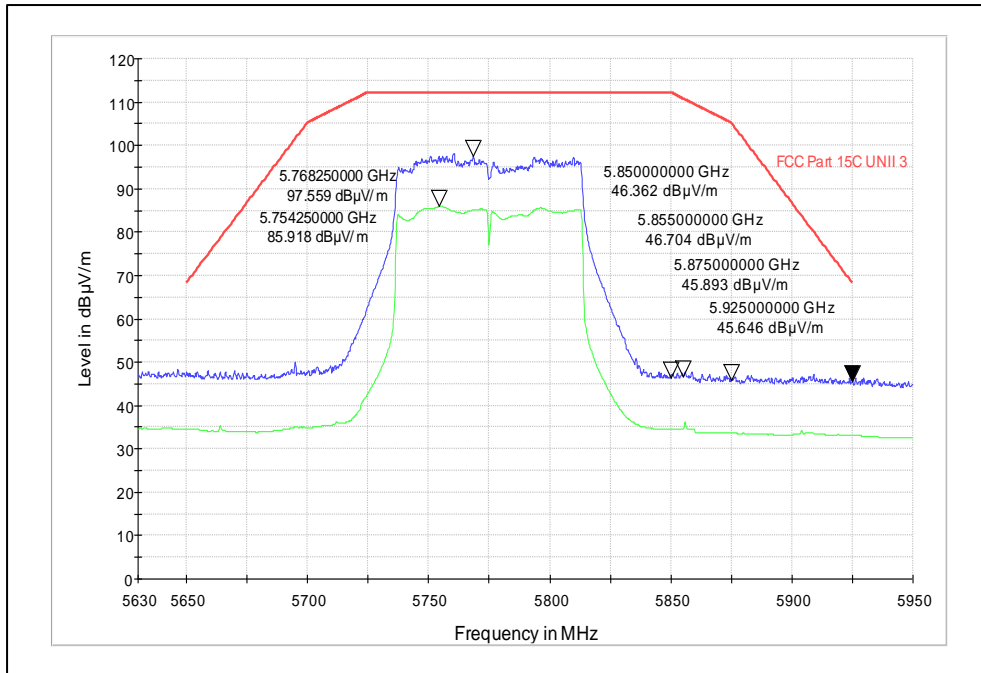


Polarization: Vertical

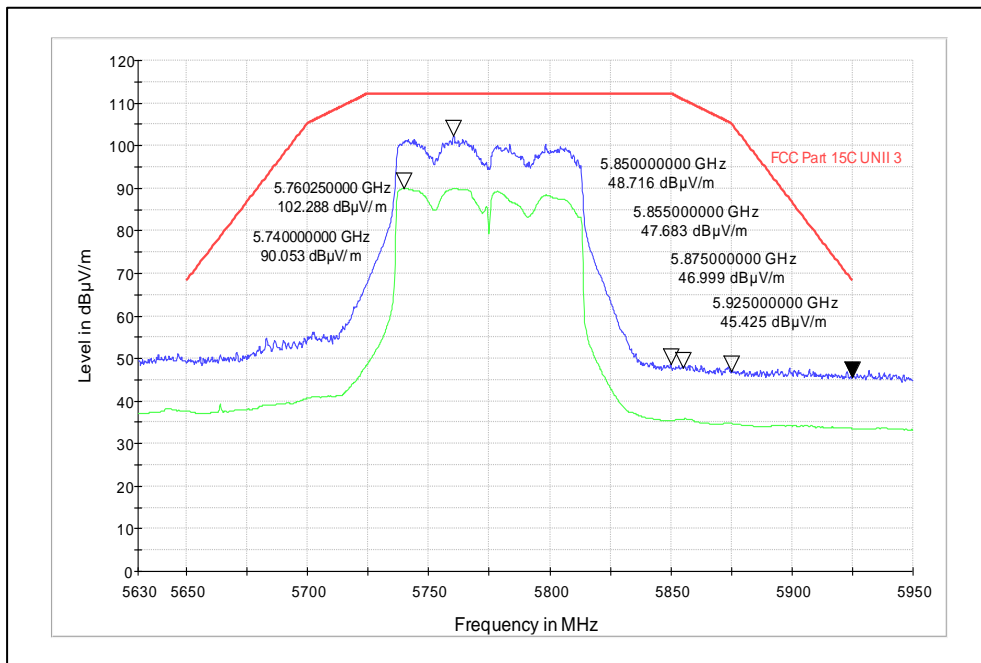


Polarization: Horizontal

Channel frequency: 5775MHz



Polarization: Vertical



Polarization: Horizontal

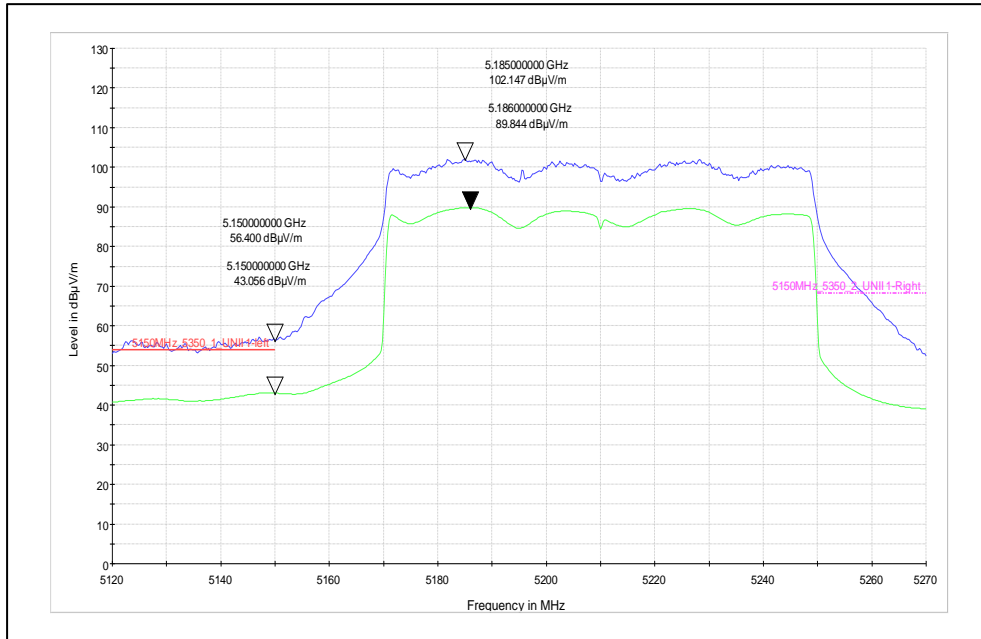
Test Plots

IN23HNHD 001 & IN23HH4B 001

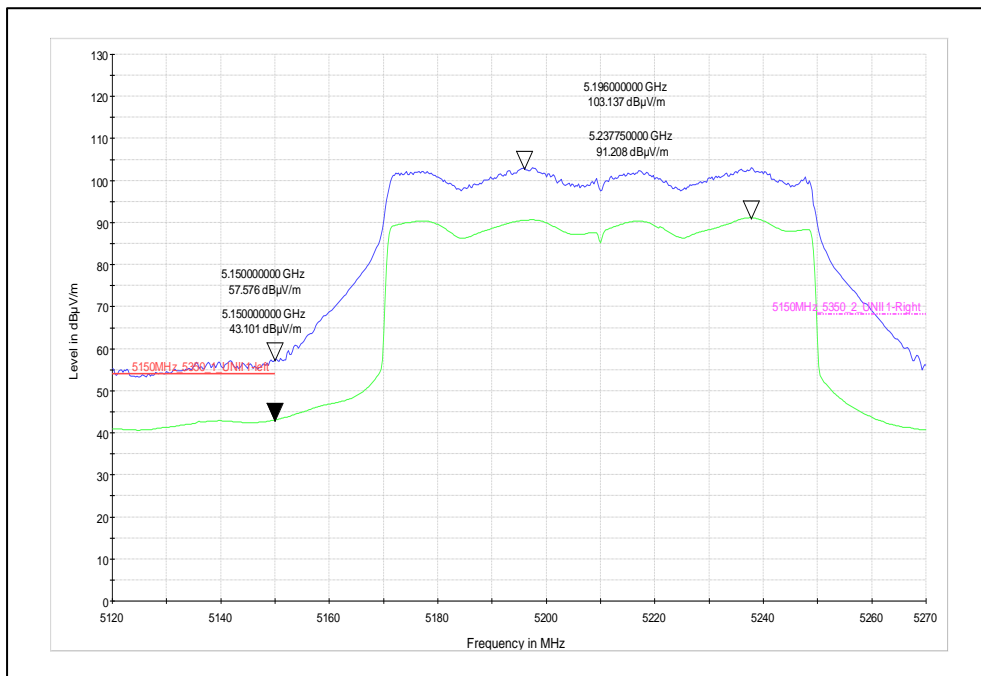
Modulation: 802.11 ax\_ 80 MHz

Data Rate: MCS11

Channel frequency: 5210MHz

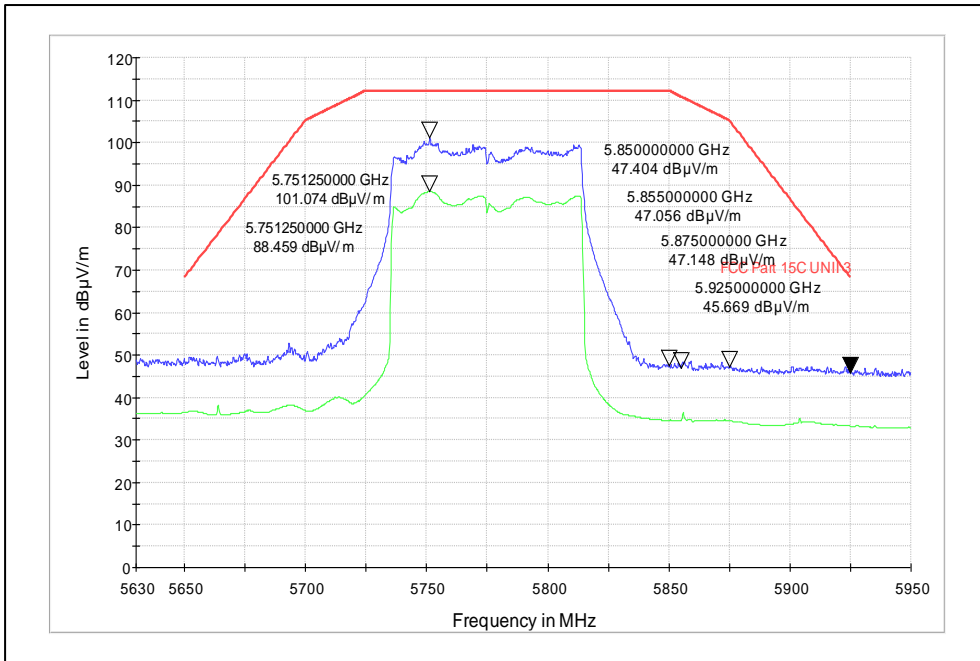


Polarization: Vertical

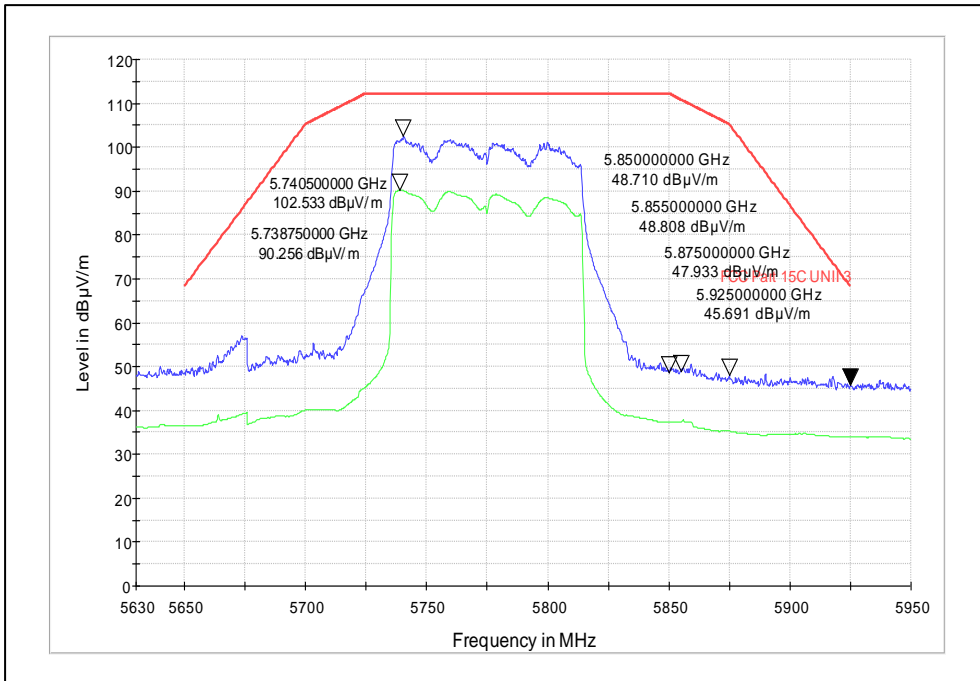


Polarization: Horizontal

Channel frequency: 5775MHz



Polarization: Vertical



Polarization: Horizontal

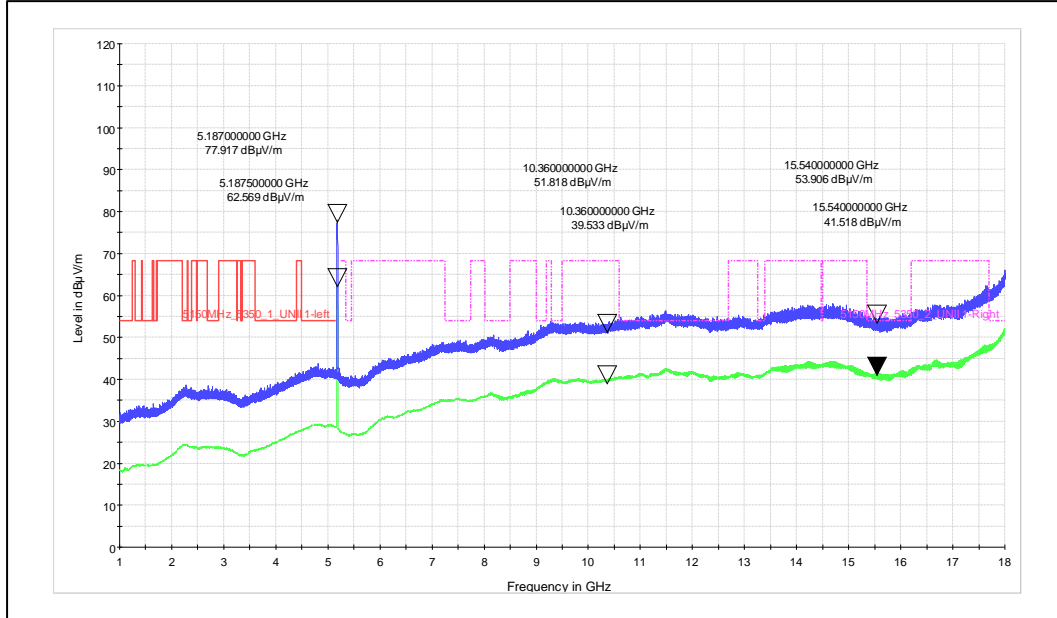
Test Plots

IN23HNHD 001 & IN23HH4B 001

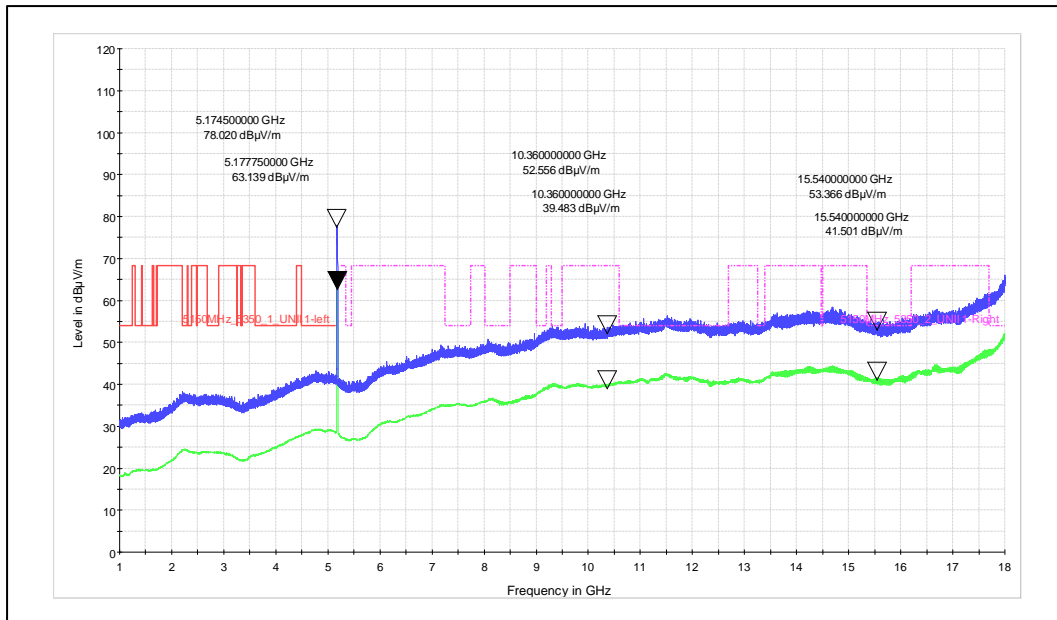
Modulation: 802.11 a\_ 20 MHz

Data Rate: 54 Mbps

Channel frequency: 5180MHz



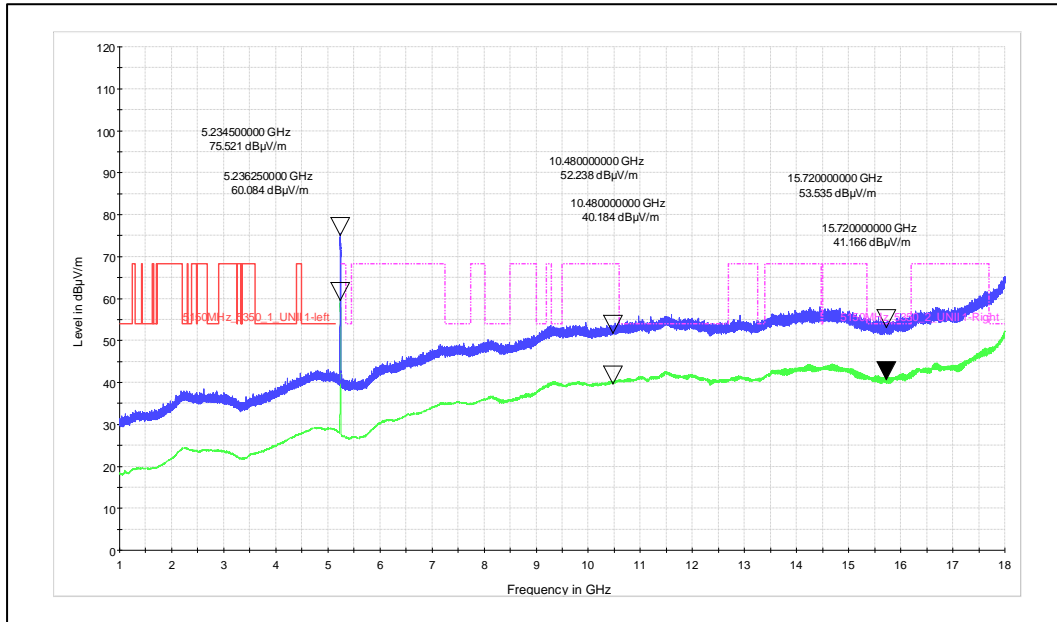
Polarization: Vertical



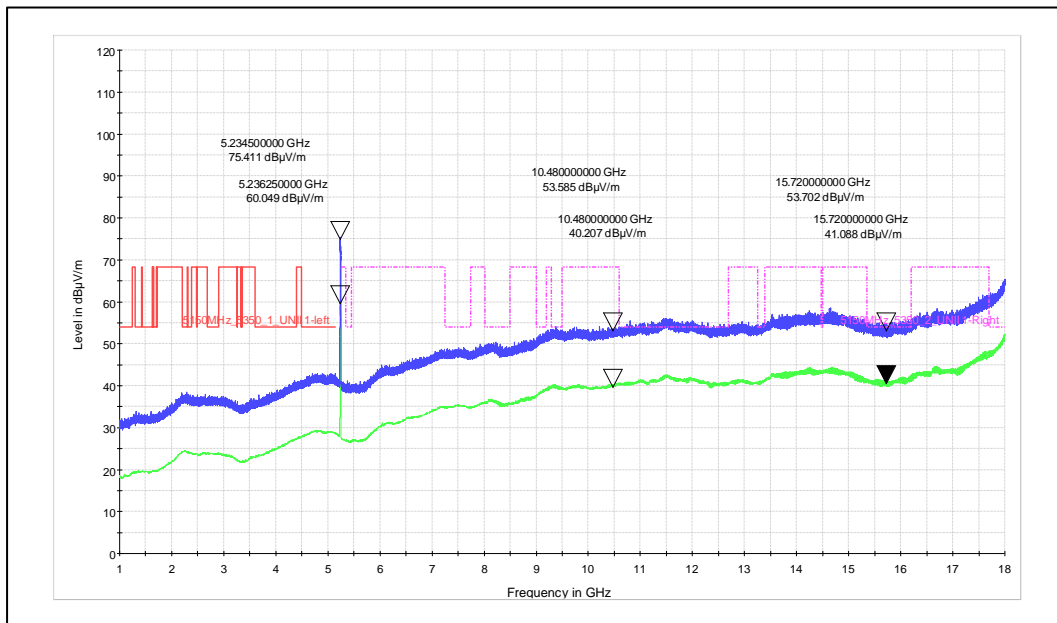
Polarization: Horizontal



Channel frequency: 5240MHz

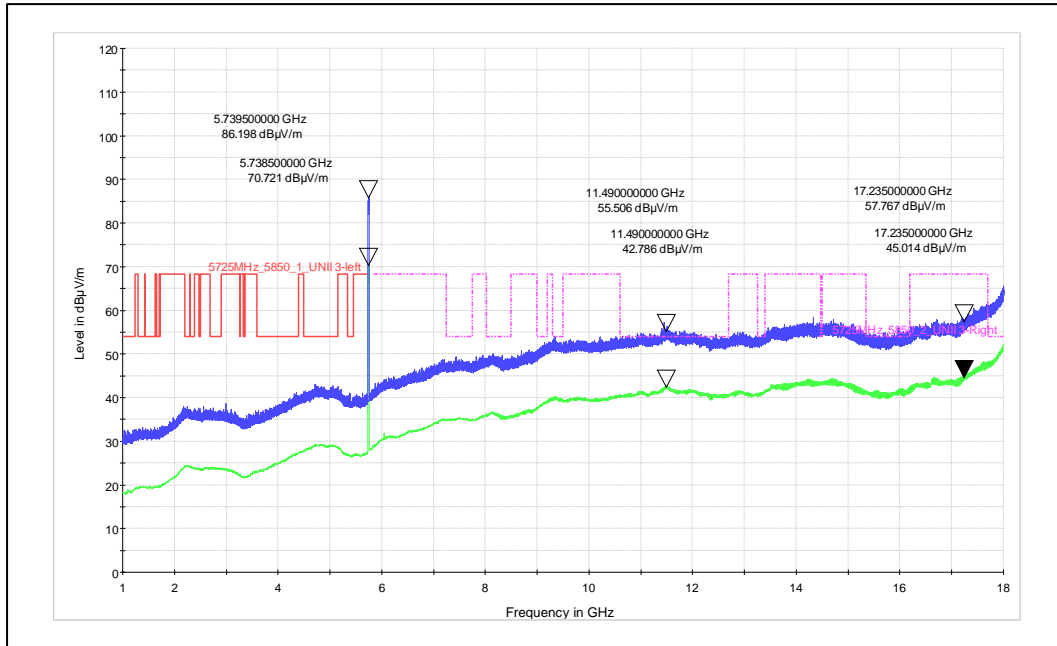


Polarization: Vertical

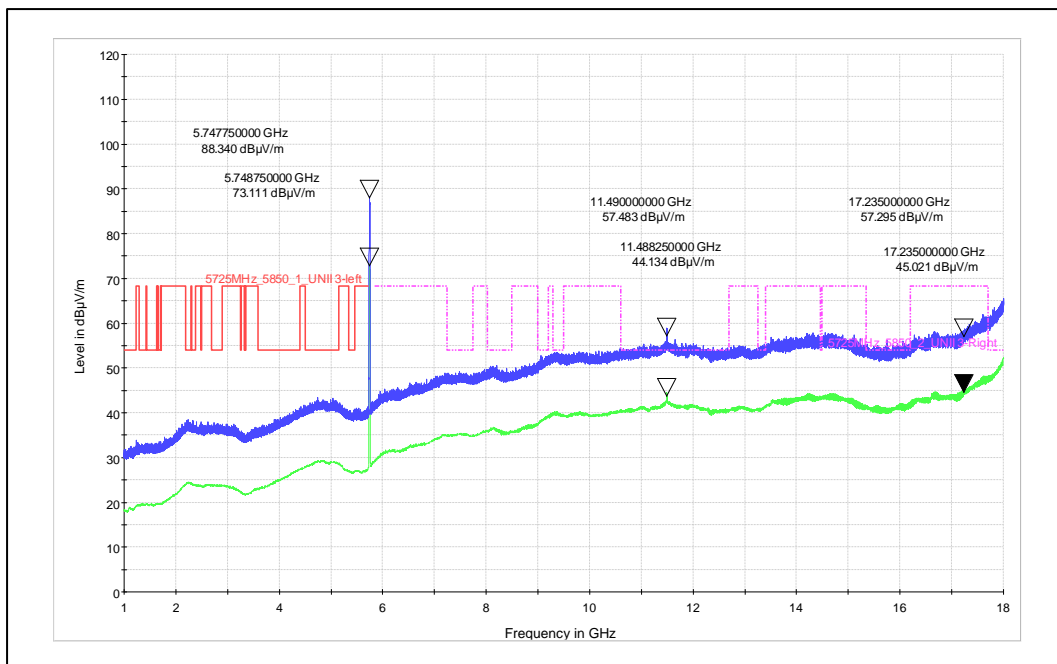


Polarization: Horizontal

Channel frequency: 5745MHz

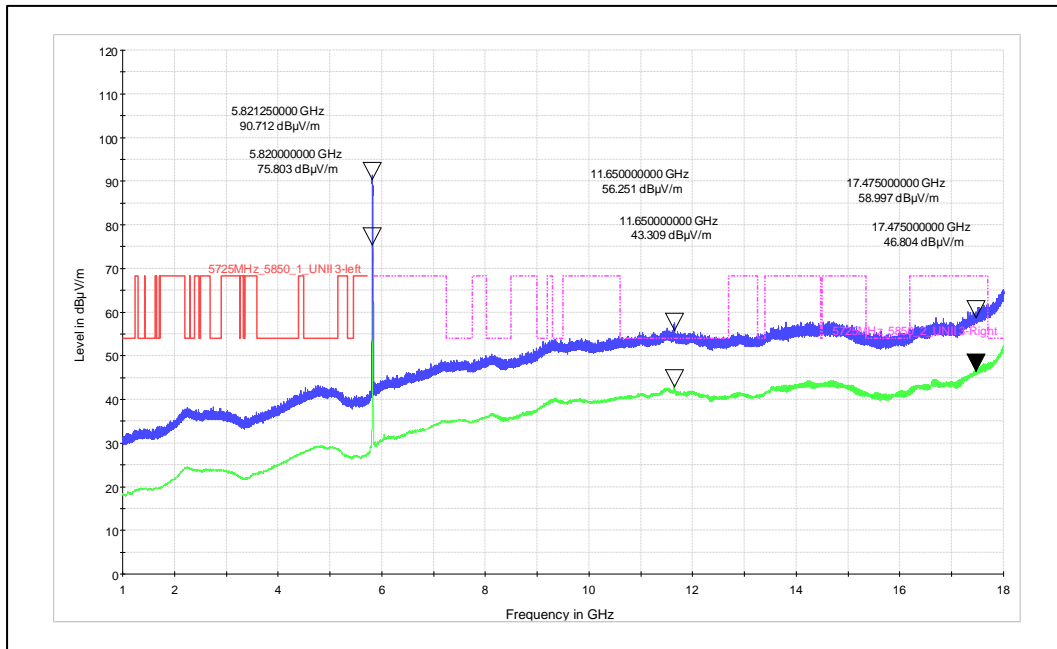


Polarization: Vertical

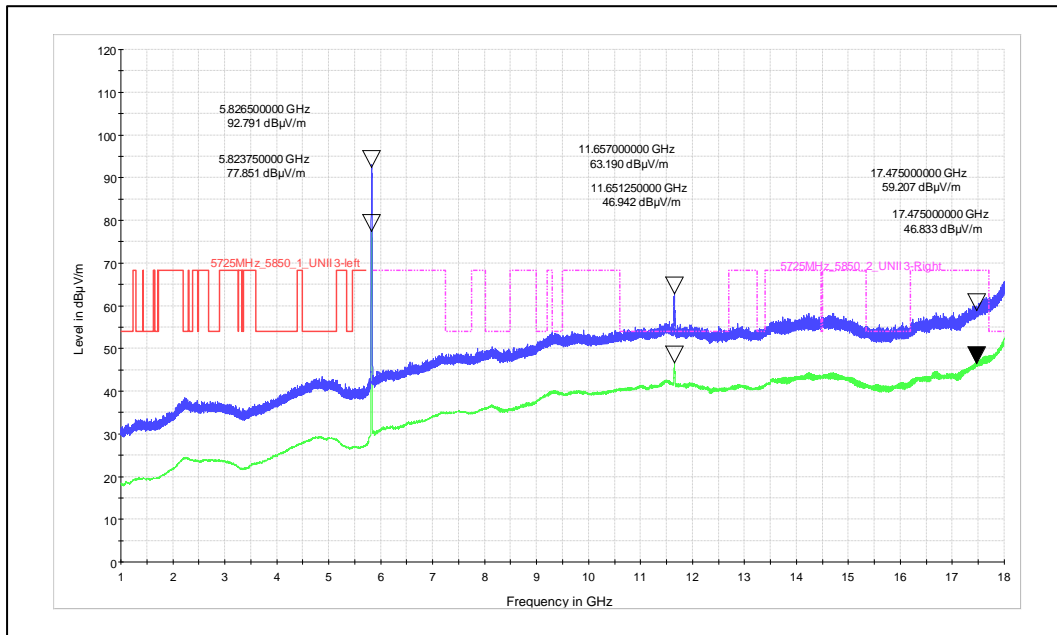


Polarization: Horizontal

Channel frequency: 5825MHz



Polarization: Vertical



Polarization: Horizontal

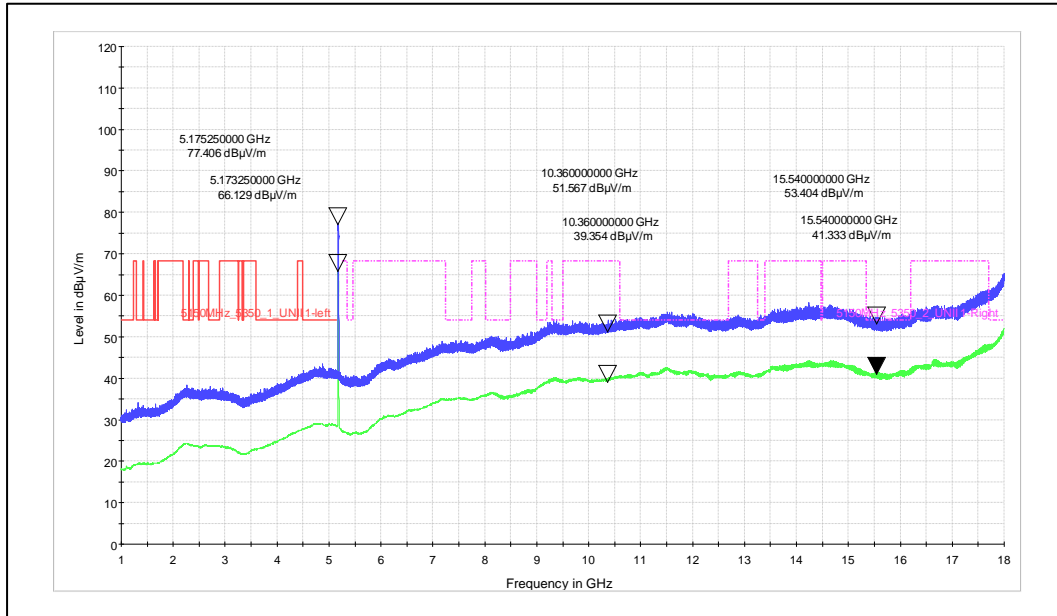
Test Plots

IN23HNHD 001 & IN23HH4B 001

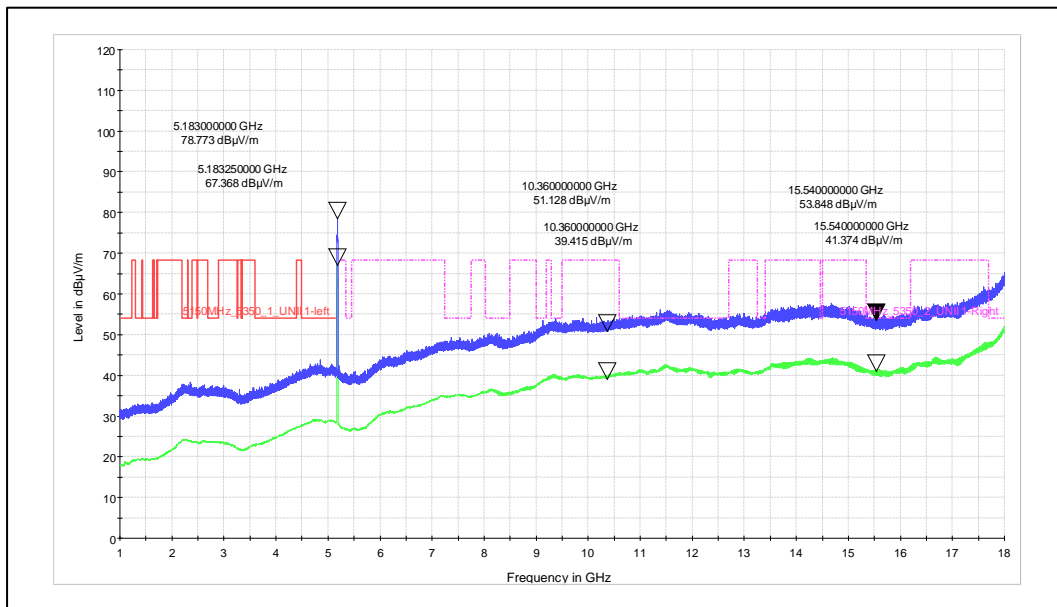
Modulation: 802.11 n\_ 20 MHz

Data Rate: MCS7

Channel frequency: 5180MHz

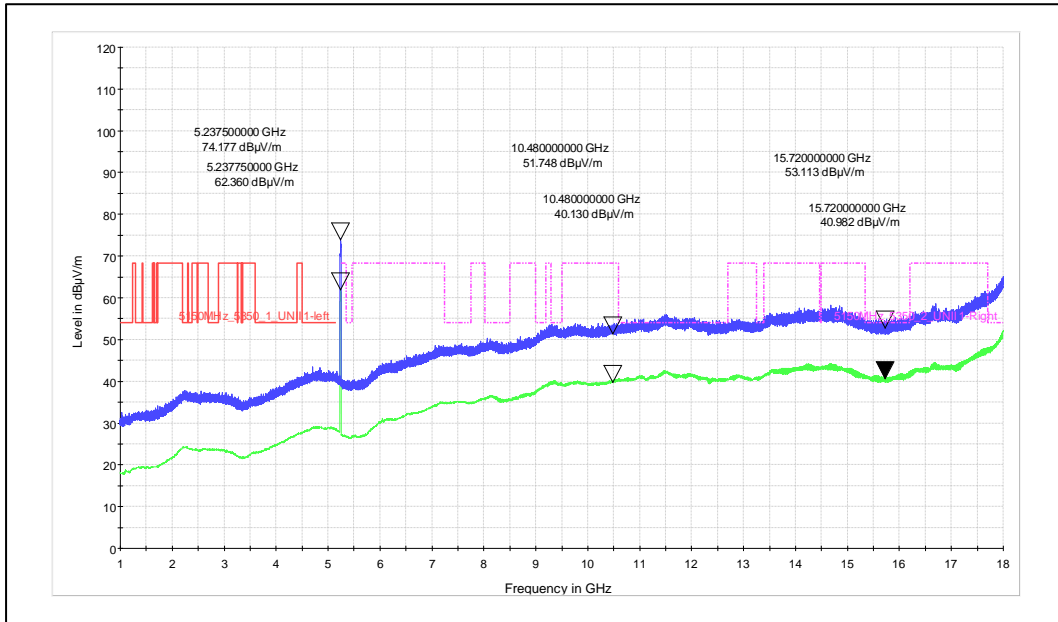


Polarization: Vertical

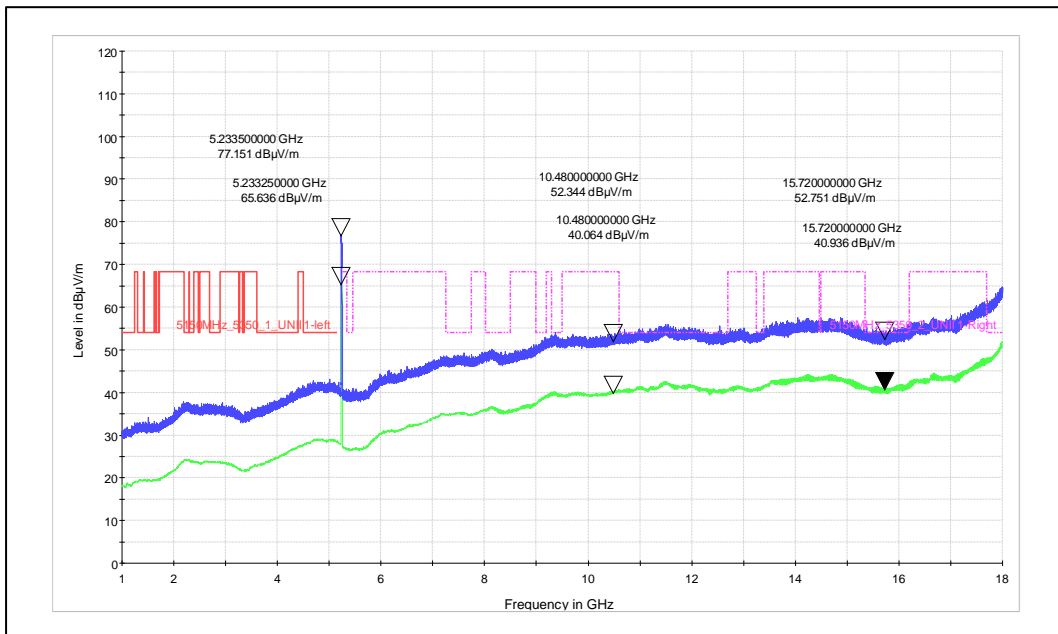


Polarization: Horizontal

Channel frequency: 5240MHz

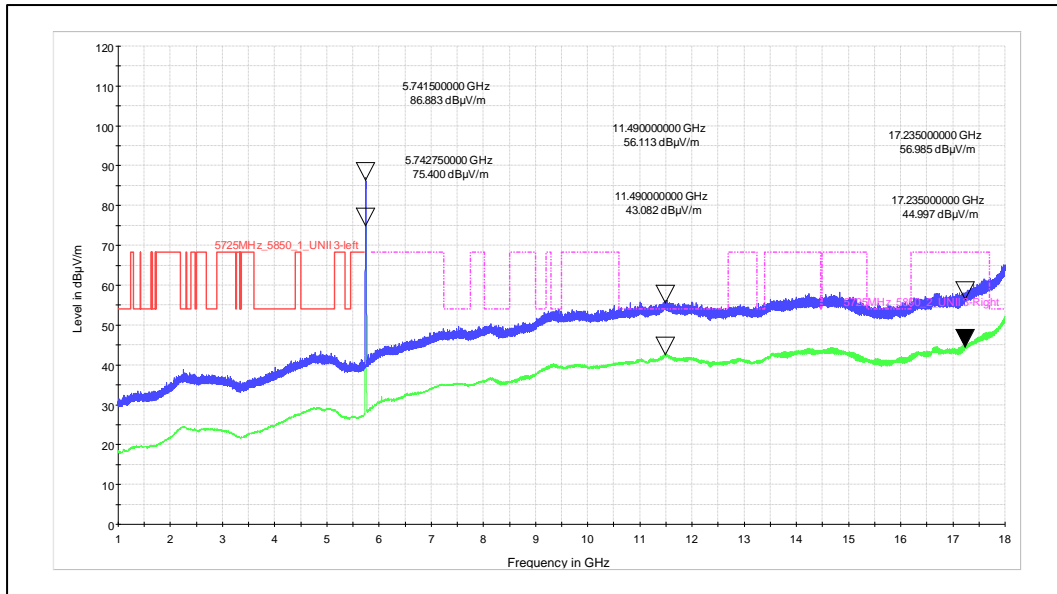


Polarization: Vertical

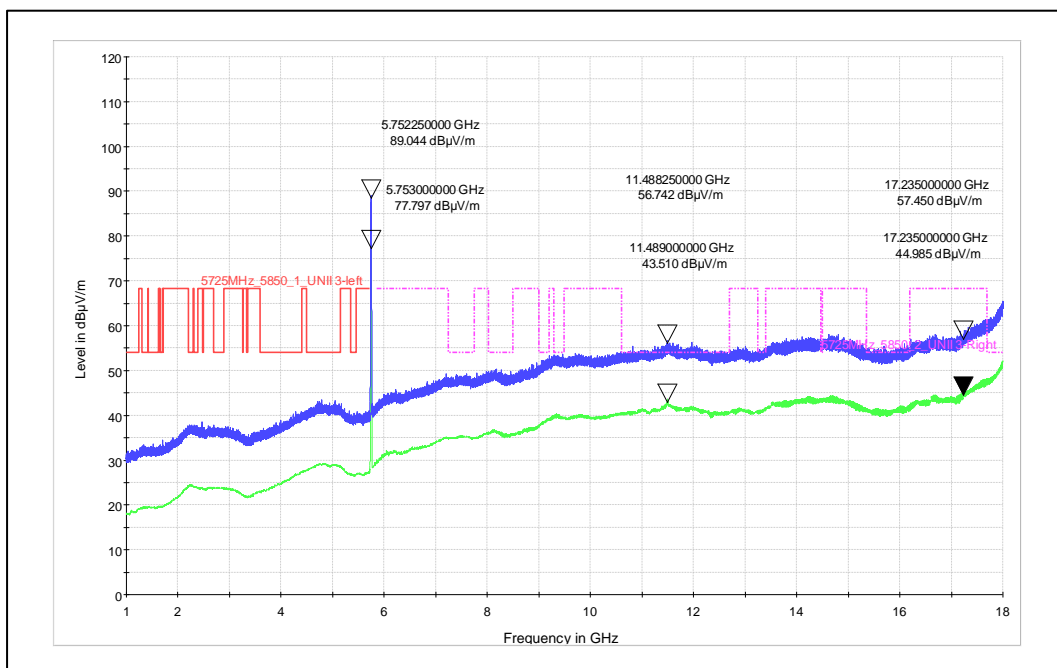


Polarization: Horizontal

Channel frequency: 5745MHz

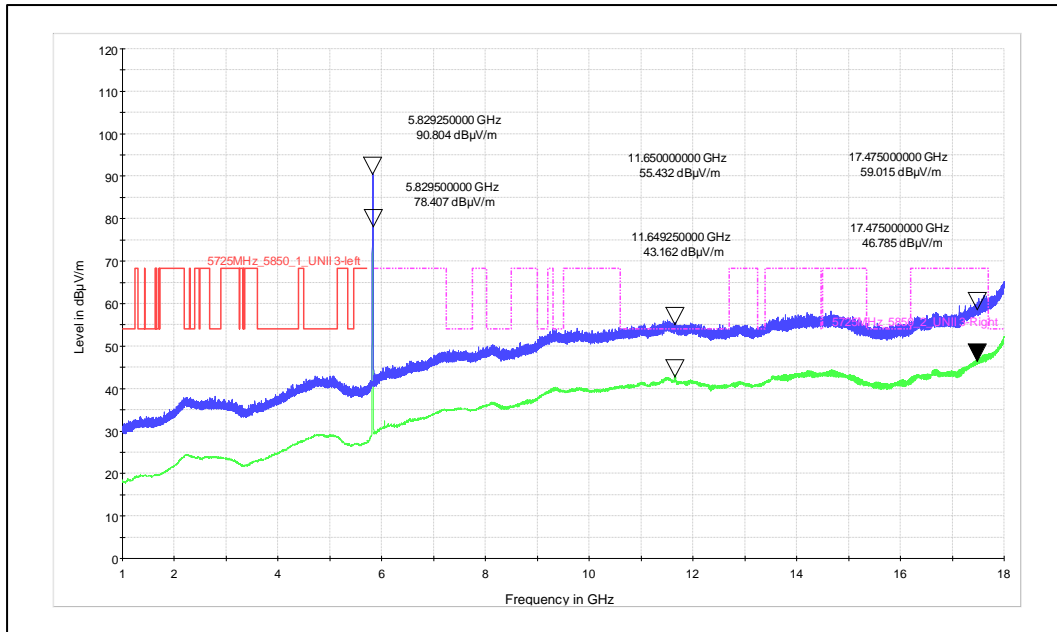


Polarization: Vertical

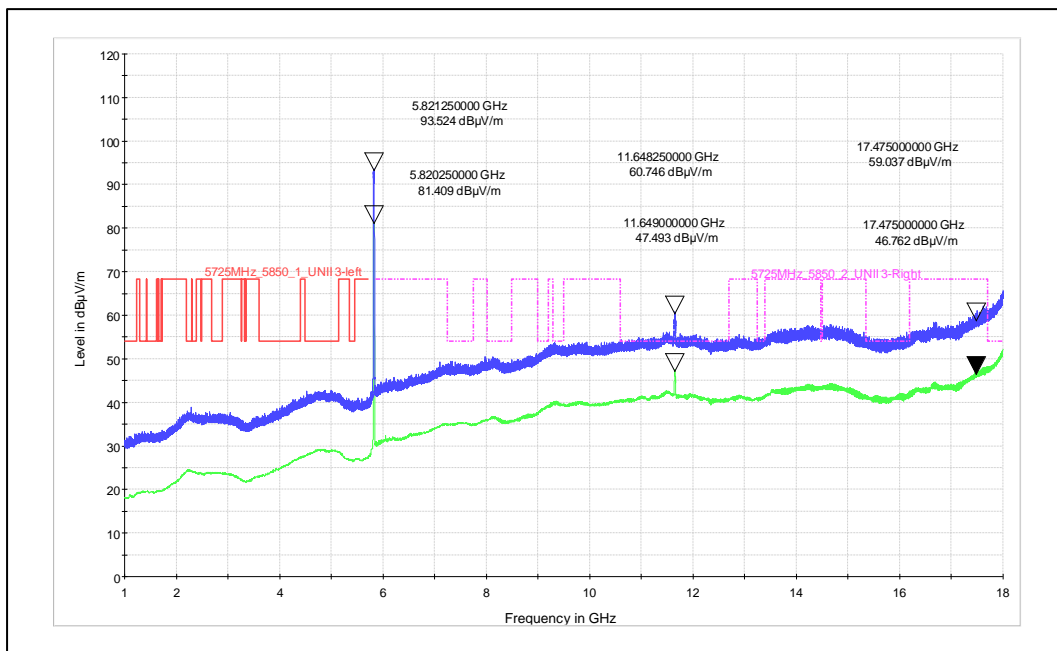


Polarization: Horizontal

Channel frequency: 5825MHz



Polarization: Vertical

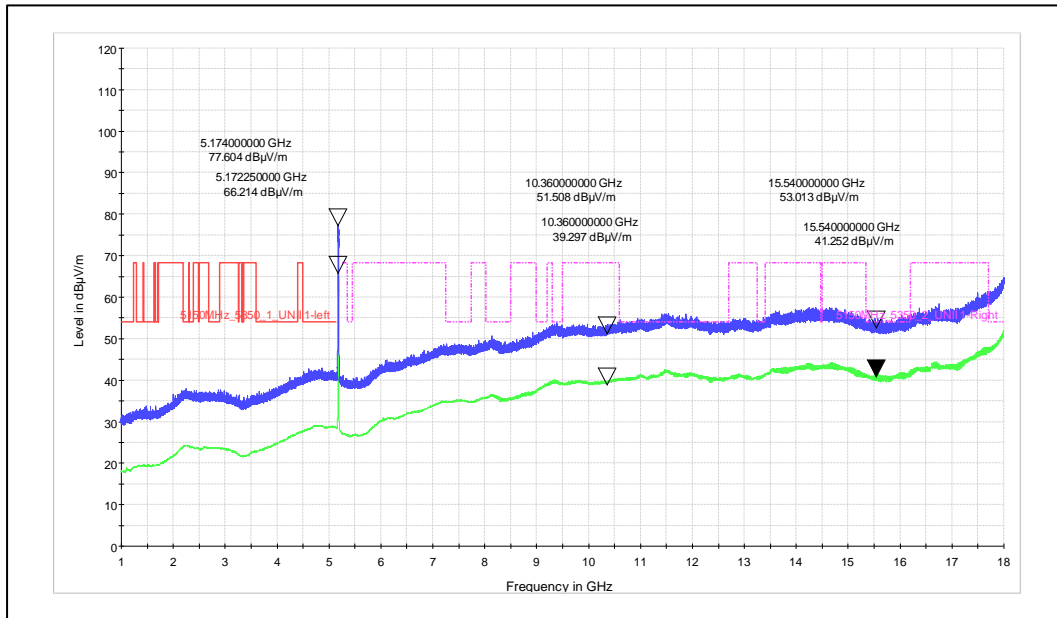


Polarization: Horizontal

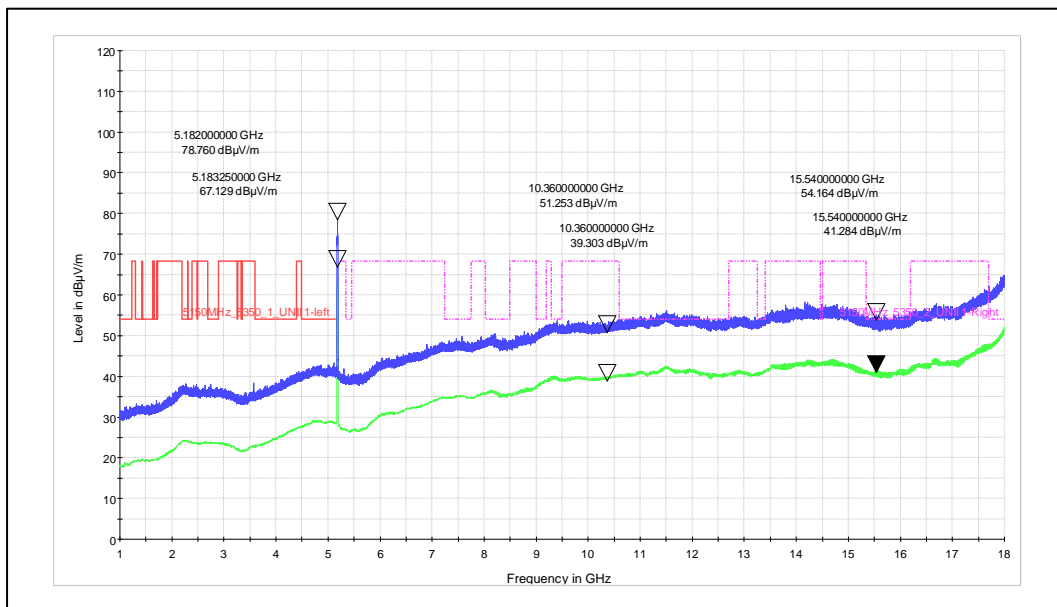
Modulation: 802.11 ac\_ 20 MHz

Data Rate: MCS8

Channel frequency: 5180MHz



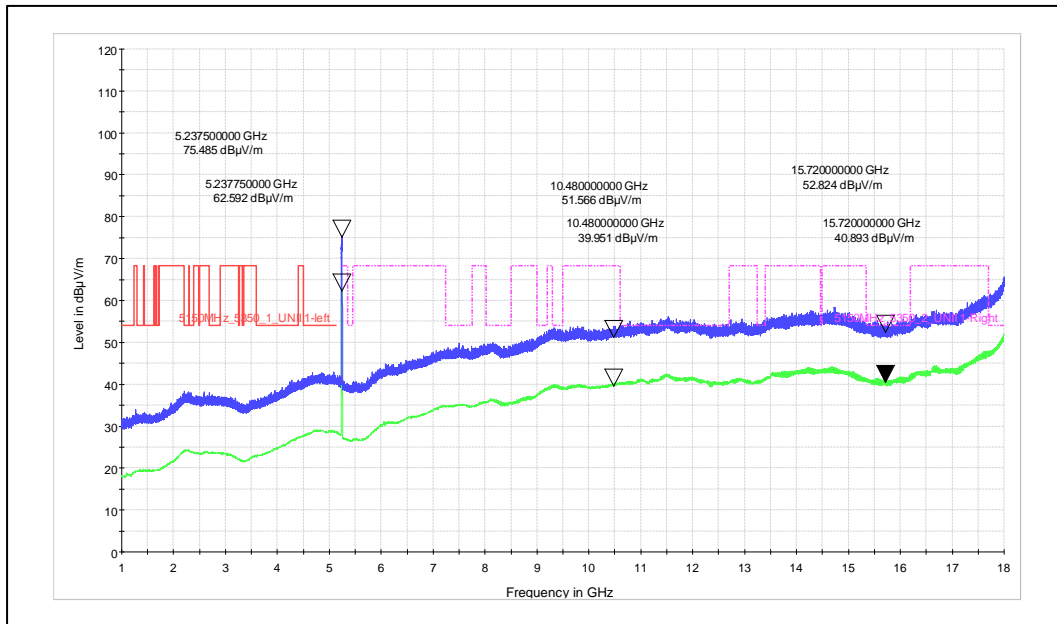
Polarization: Vertical



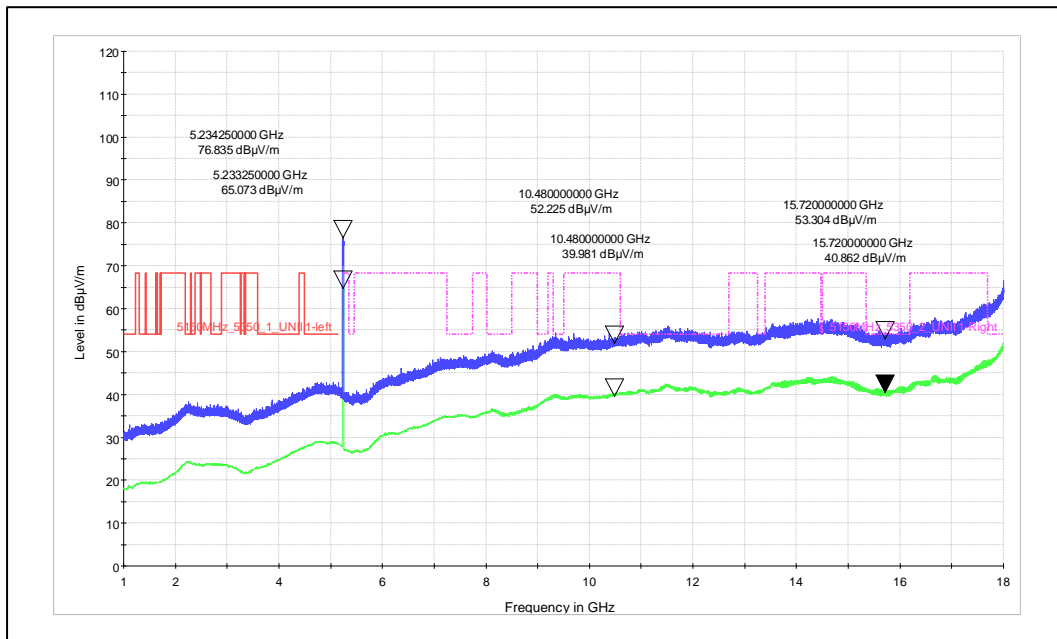
Polarization: Horizontal



Channel frequency: 5240MHz

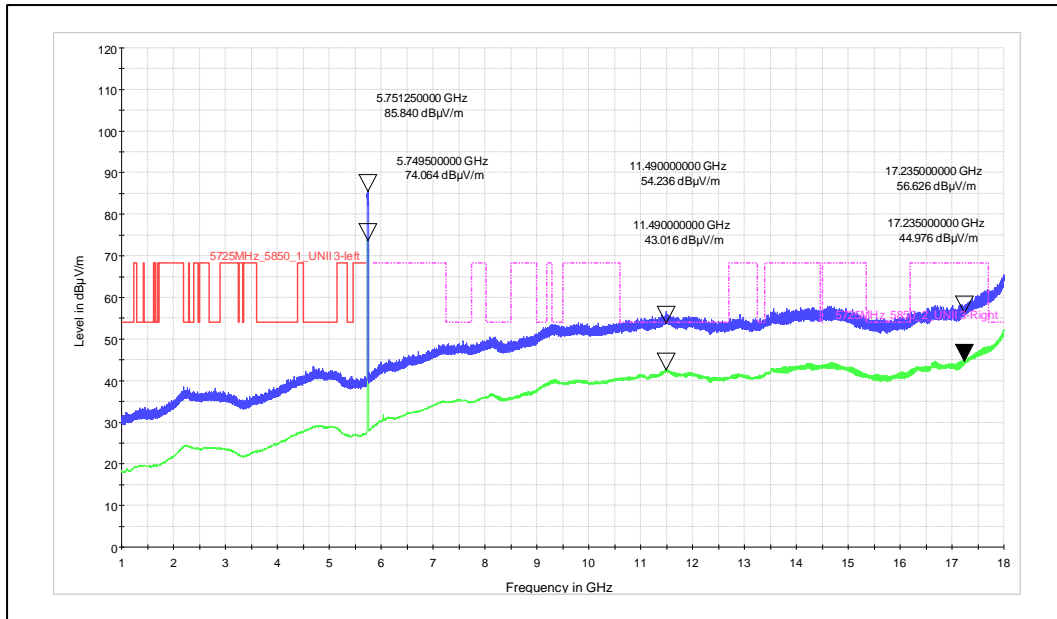


Polarization: Vertical

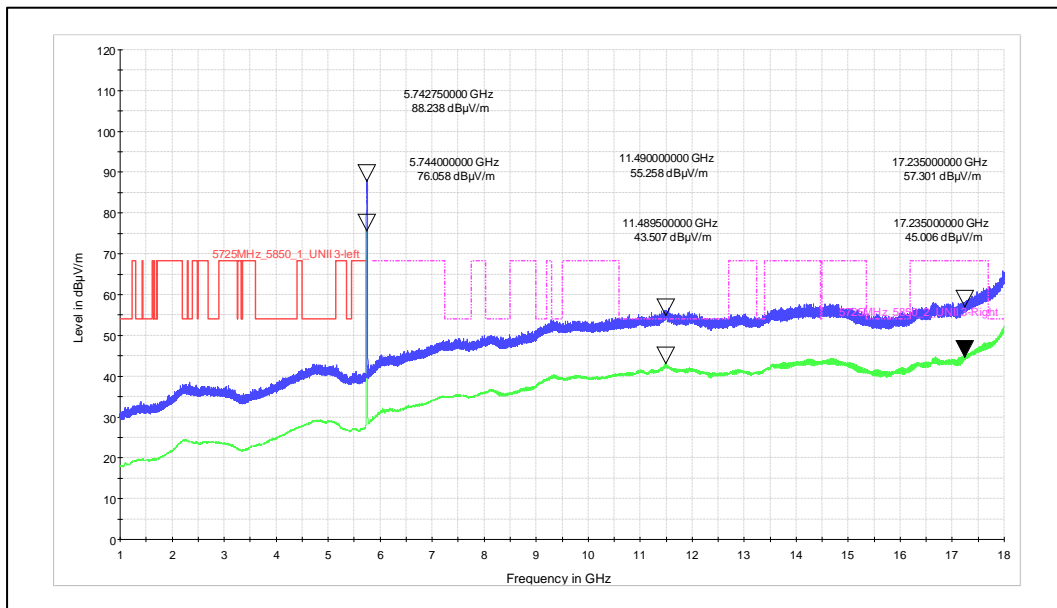


Polarization: Horizontal

Channel frequency: 5745MHz

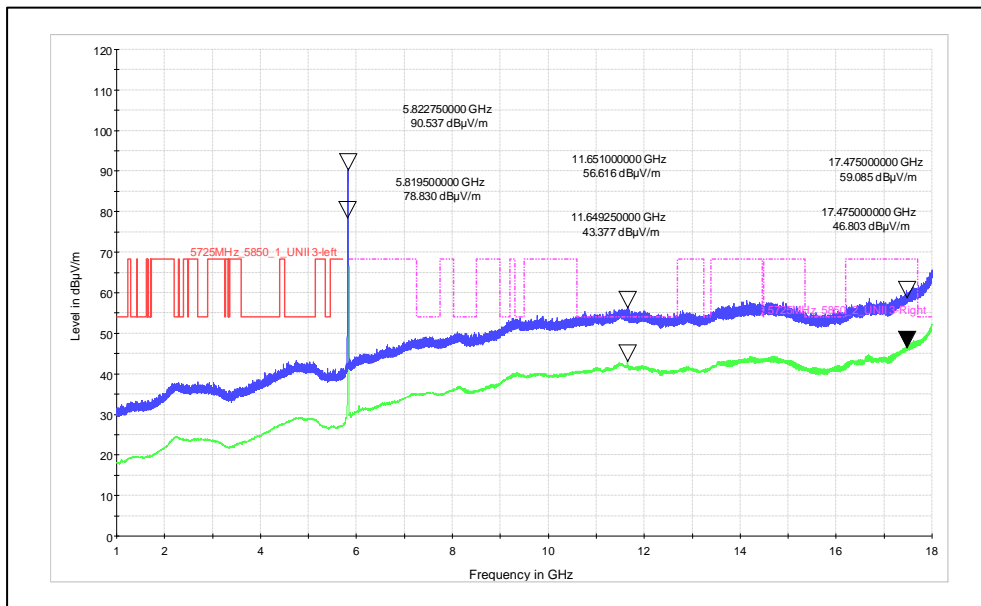


Polarization: Vertical

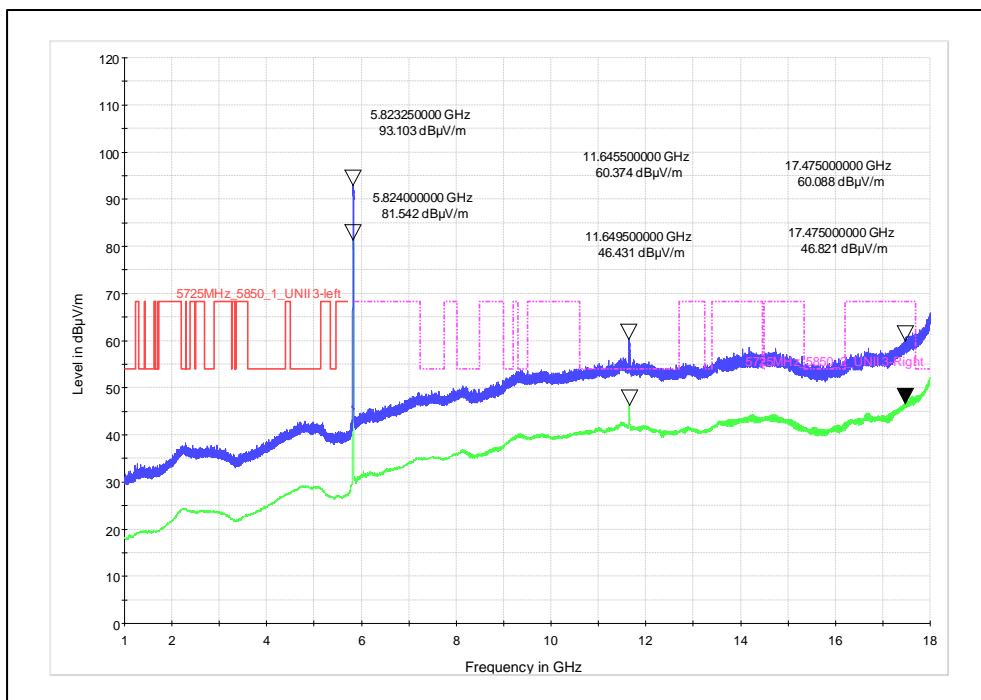


Polarization: Horizontal

Channel frequency: 5825MHz



Polarization: Vertical



Polarization: Horizontal