

### **9.3. 99% BANDWIDTH**

#### **LIMITS**

None; for reporting purposes only.

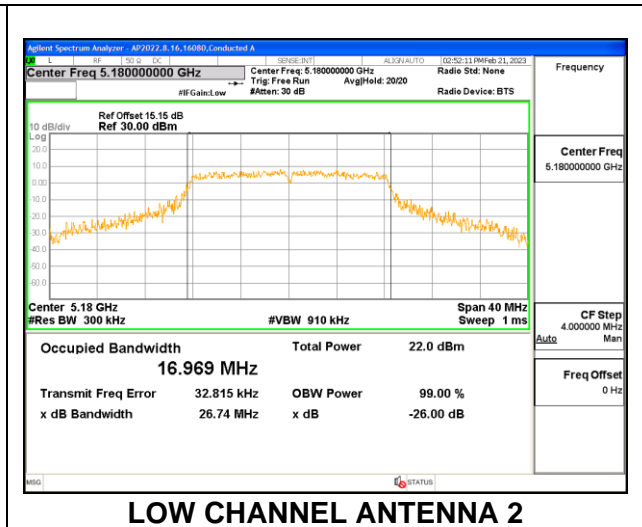
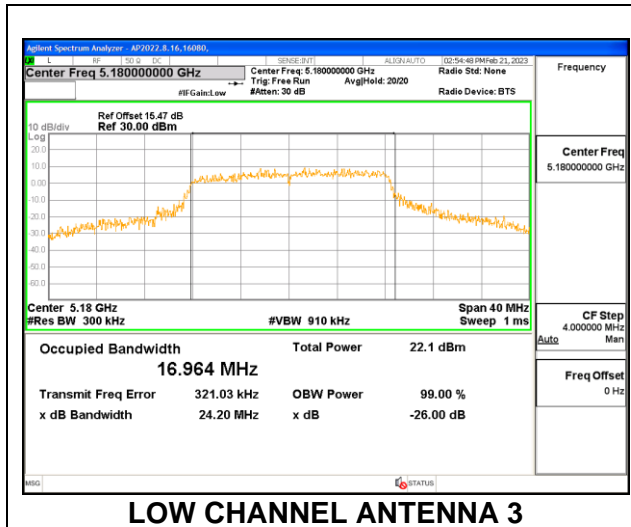
#### **RESULTS**

### 9.3.1. 802.11a MODE IN THE 5.2 GHz BAND

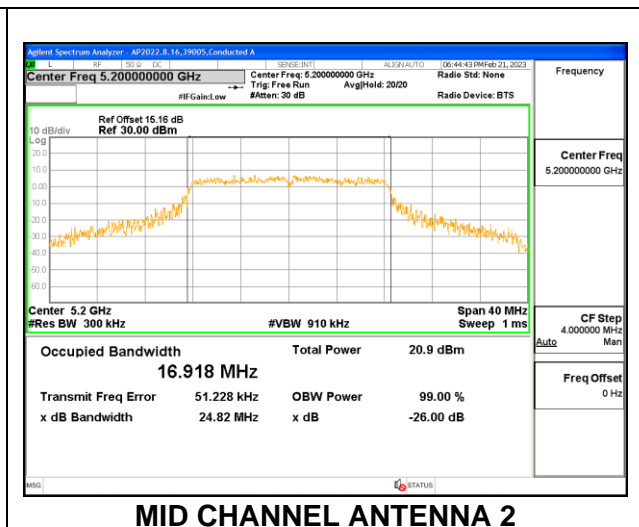
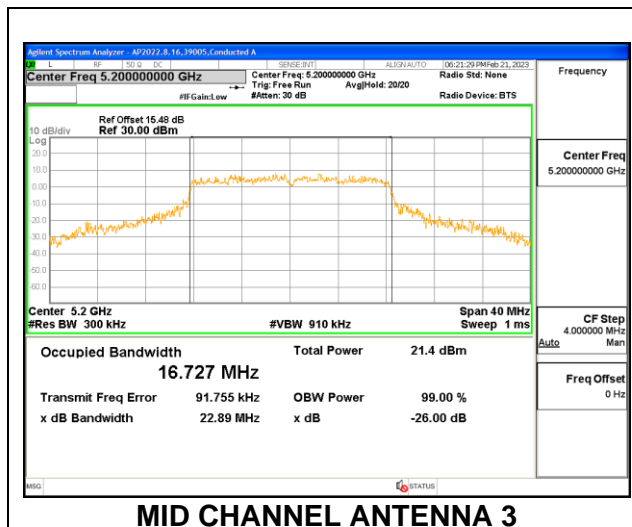
#### 2TX Antenna 3 + Antenna 2 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 2 (MHz)
Low	5180	16.964	16.969
Mid	5200	16.727	16.918
High	5240	16.725	16.897

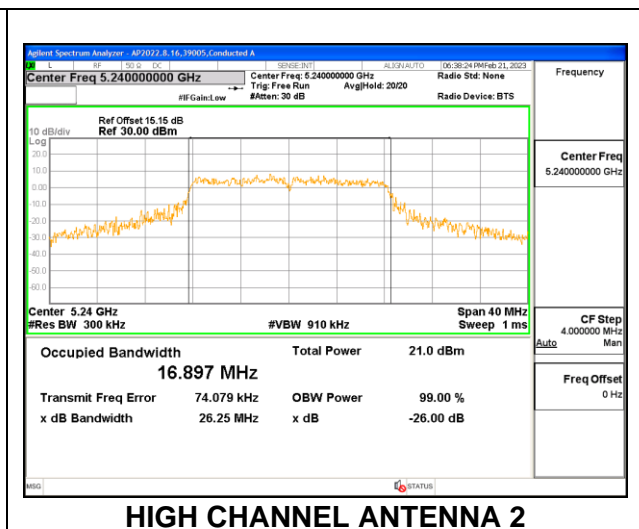
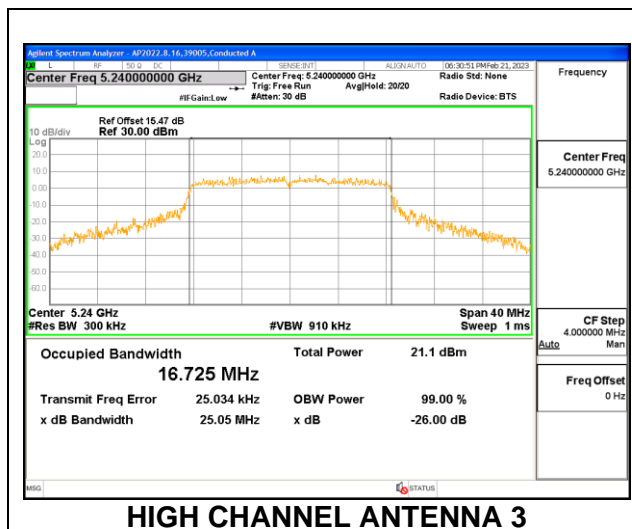
#### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL

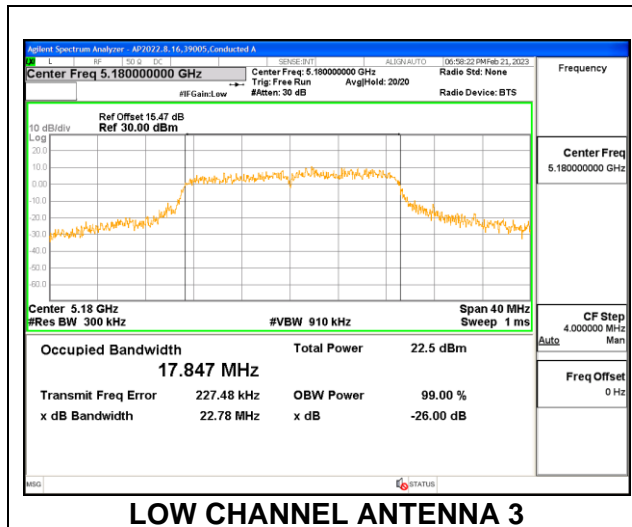


### 9.3.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

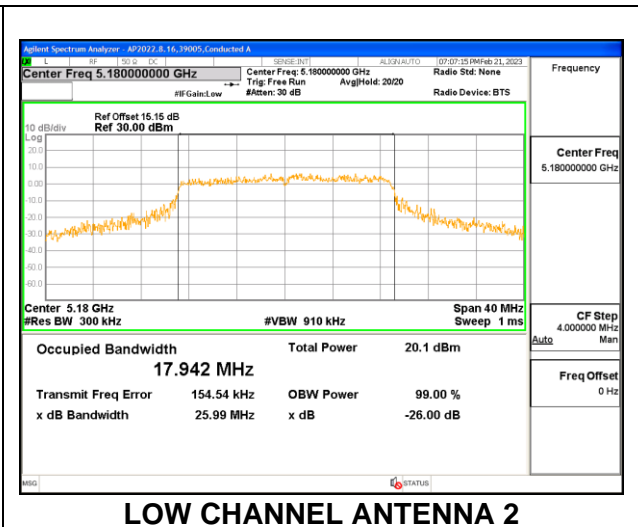
#### 2TX Antenna 3 + Antenna 2 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 2 (MHz)
Low	5180	17.847	17.942
Mid	5200	17.719	17.895
High	5240	17.834	17.960

#### LOW CHANNEL

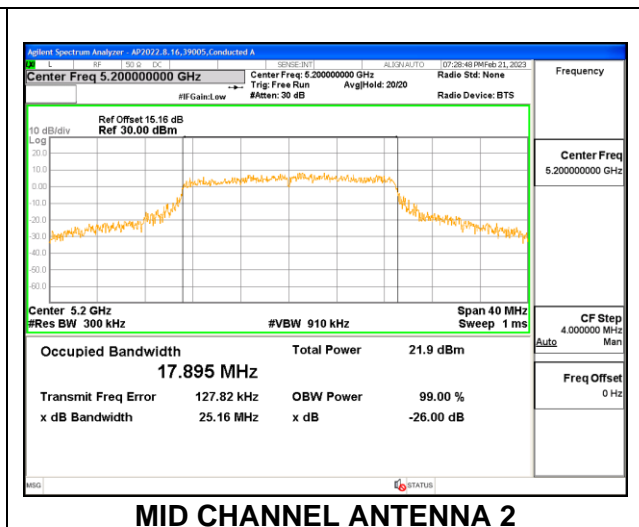
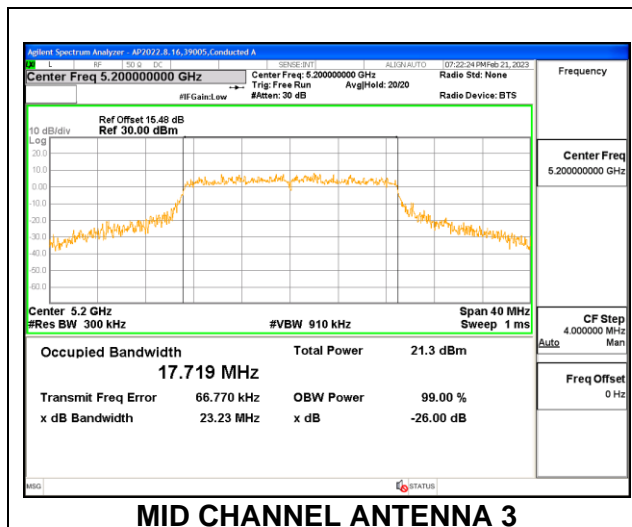


LOW CHANNEL ANTENNA 3

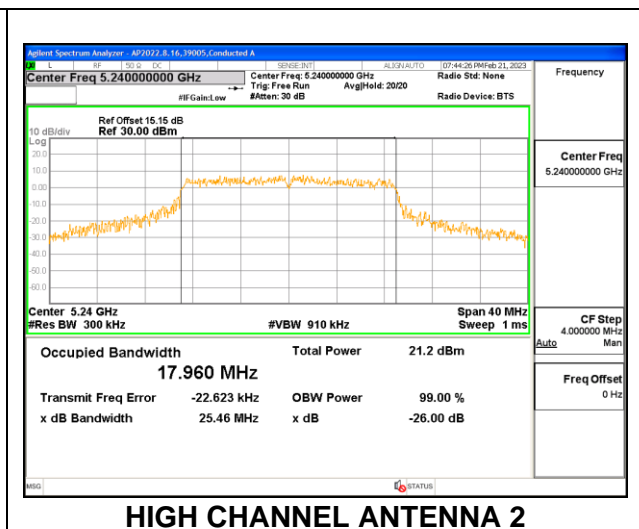
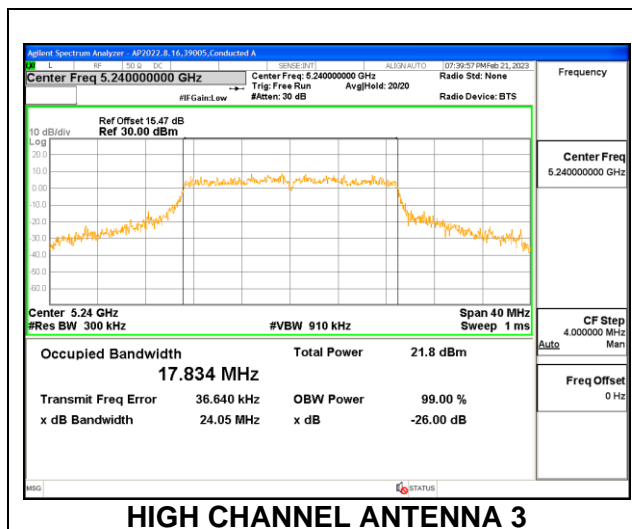


LOW CHANNEL ANTENNA 2

### MID CHANNEL



### HIGH CHANNEL

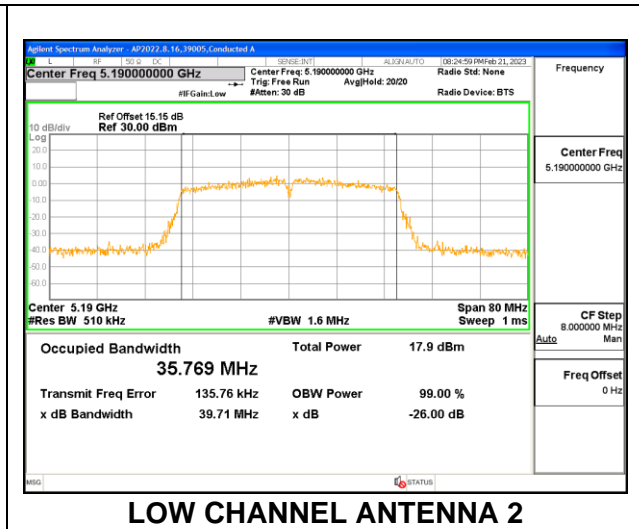
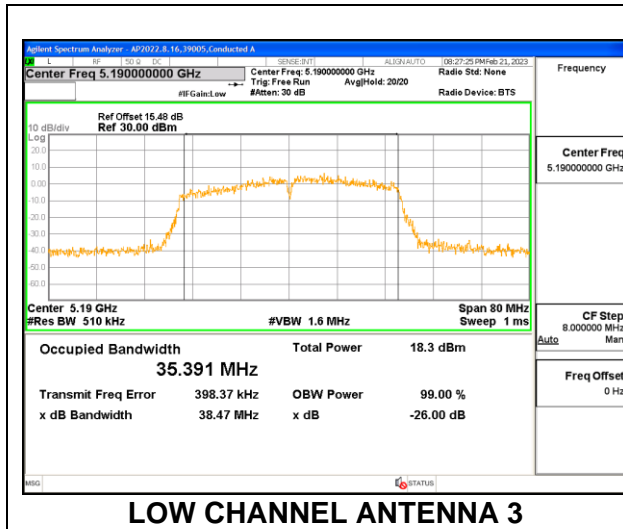


### 9.3.3. 802.11n HT40 MODE IN THE 5.2 GHz BAND

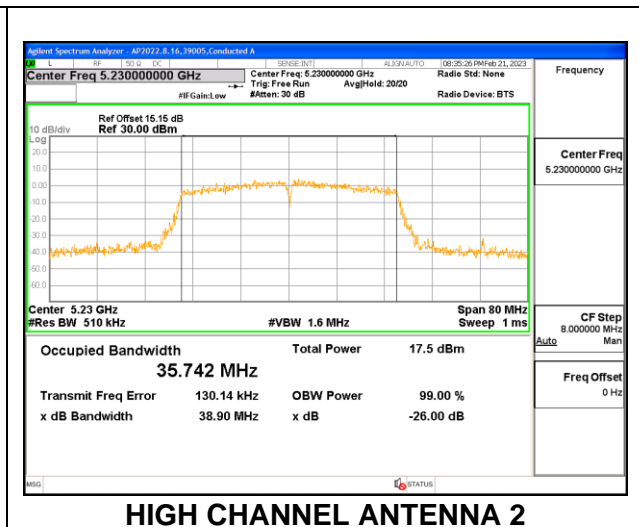
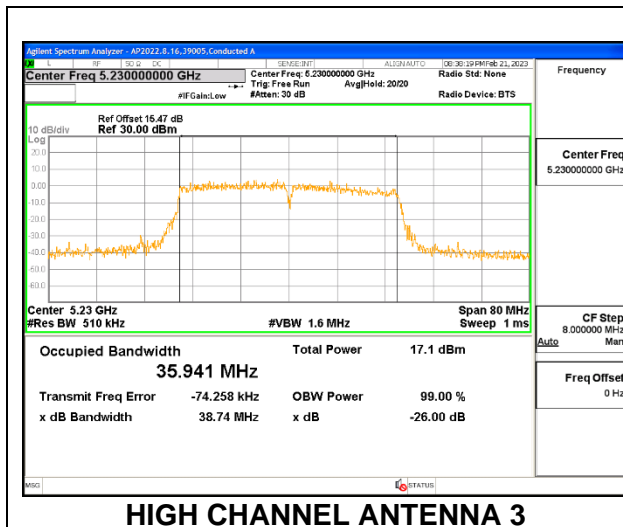
#### 2TX Antenna 3 + Antenna 2 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 2 (MHz)
Low	5190	35.391	35.769
High	5230	35.941	35.742

#### LOW CHANNEL



#### HIGH CHANNEL

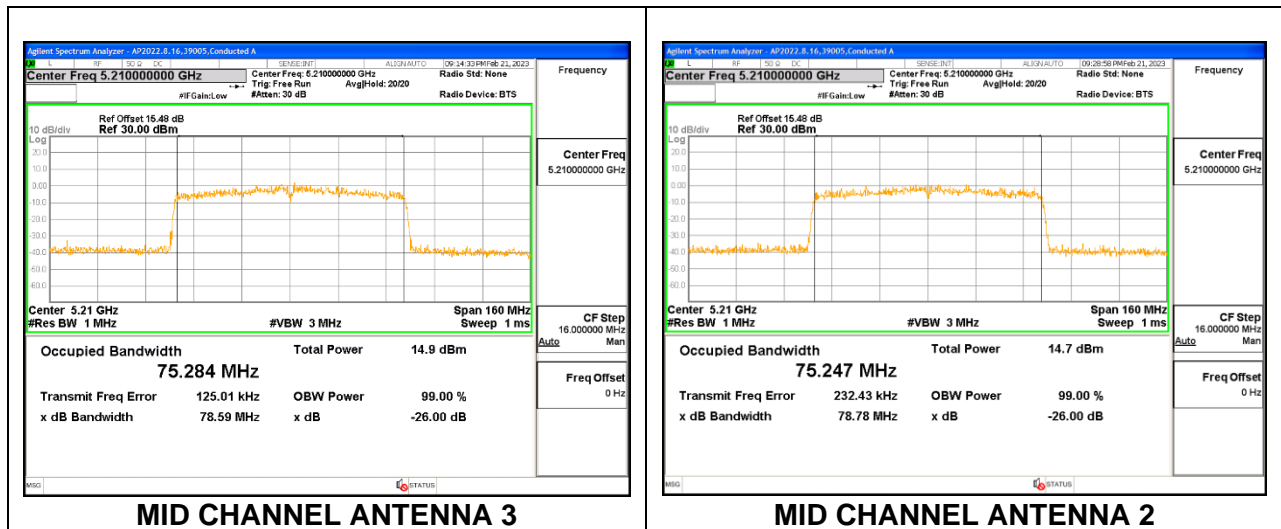


### 9.3.4. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

#### 2TX Antenna 3 + Antenna 2 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 2 (MHz)
Mid	5210	75.284	75.247

#### MID CHANNEL

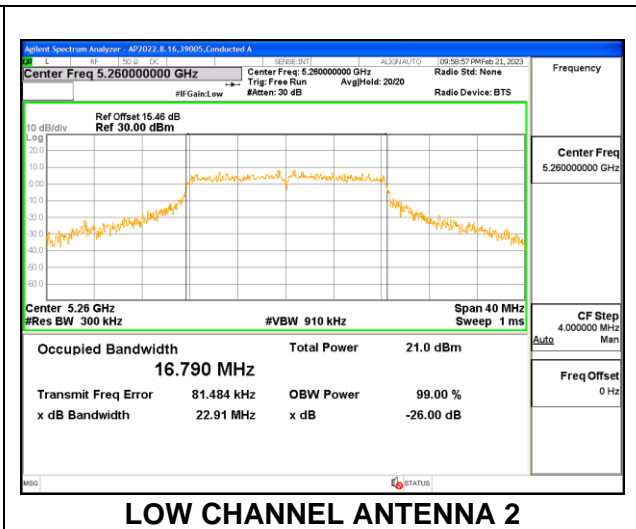
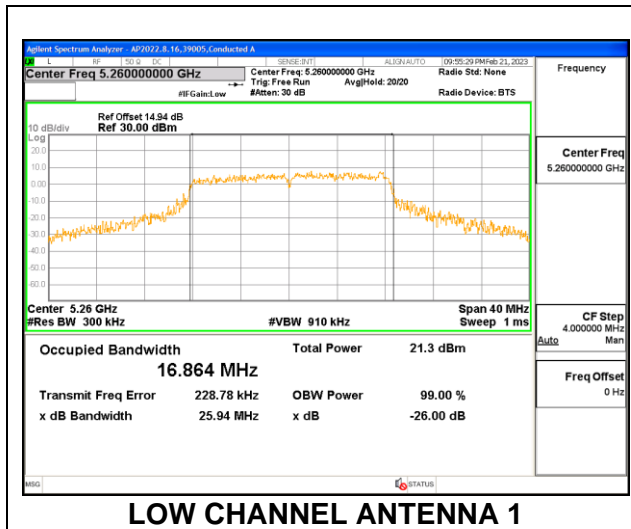


### 9.3.5. 802.11a MODE IN THE 5.3 GHz BAND

#### 2TX Antenna 1 + Antenna 2 CDD MODE

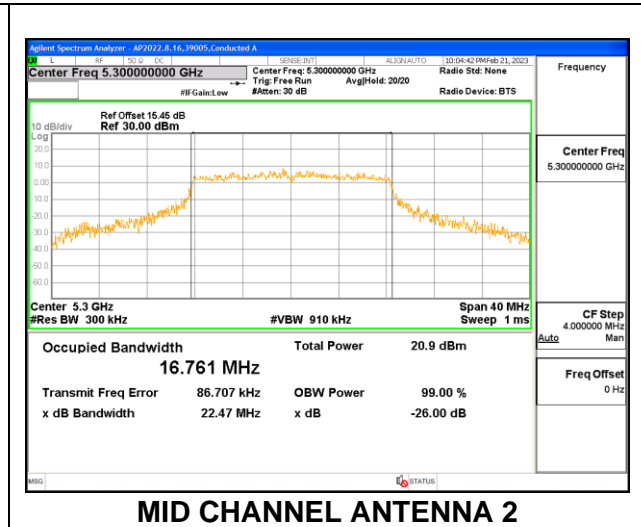
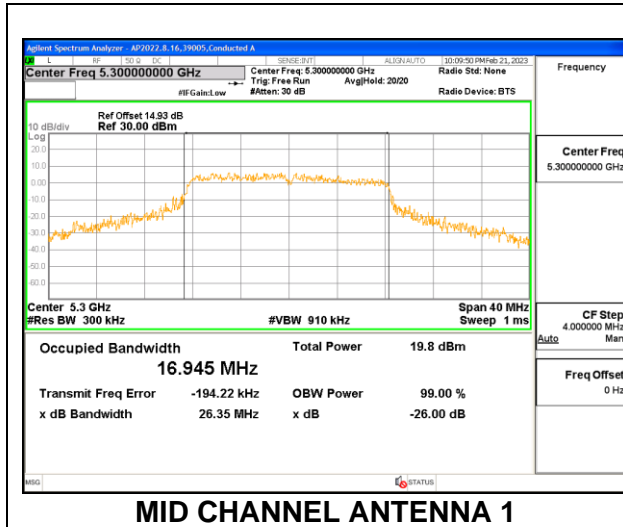
Channel	Frequency (MHz)	99% Bandwidth Antenna 1 (MHz)	99% Bandwidth Antenna 2 (MHz)
Low	5260	16.864	16.790
Mid	5300	16.945	16.761
High	5320	16.930	16.709

#### LOW CHANNEL

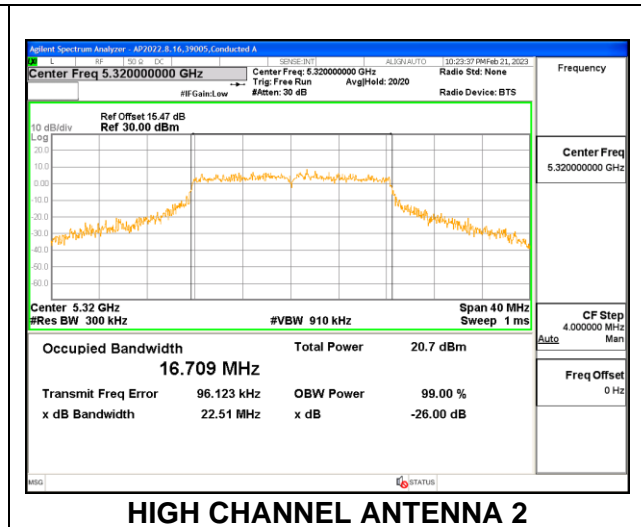
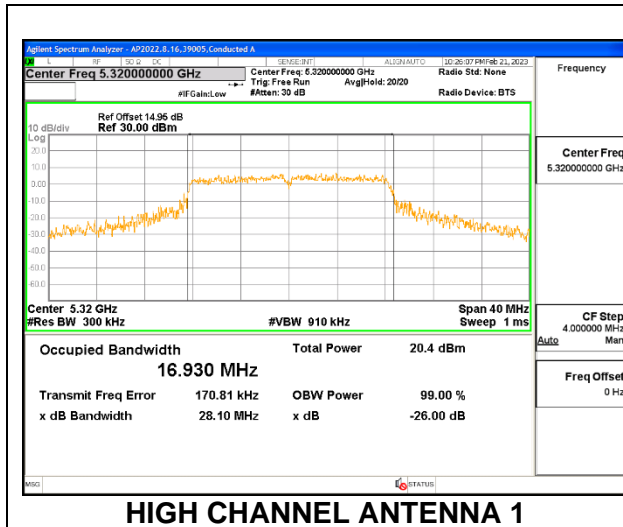




### MID CHANNEL



### HIGH CHANNEL

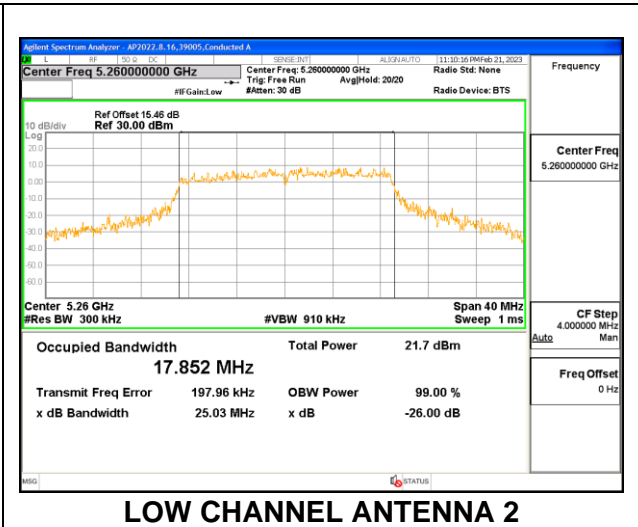
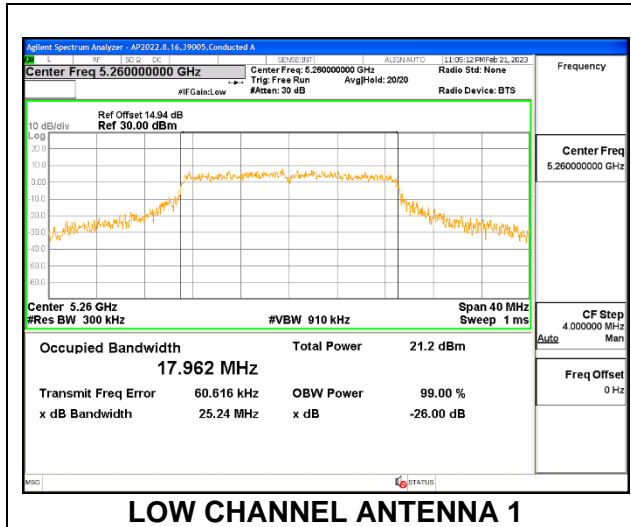


### 9.3.6. 802.11n HT20 MODE IN THE 5.3 GHz BAND

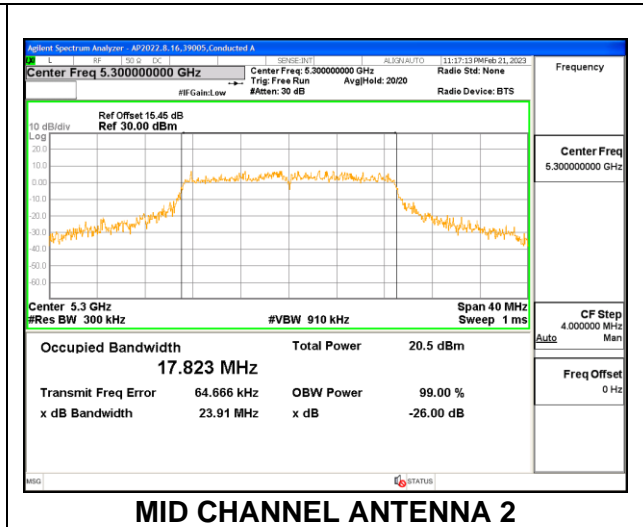
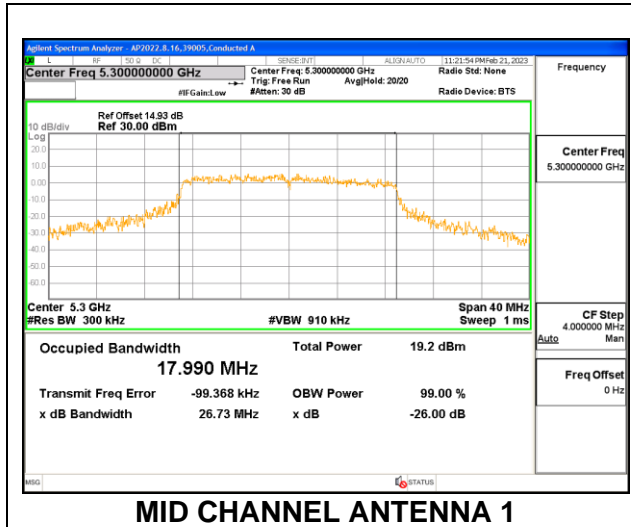
#### 2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 1 (MHz)	99% Bandwidth Antenna 2 (MHz)
Low	5260	17.962	17.852
Mid	5300	17.990	17.823
High	5320	17.896	17.857

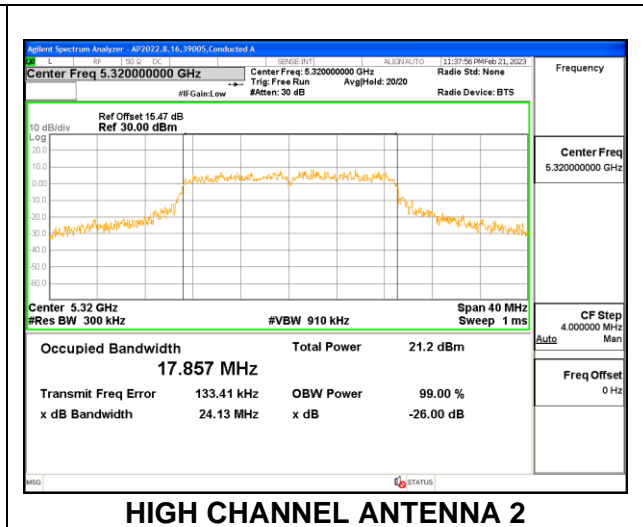
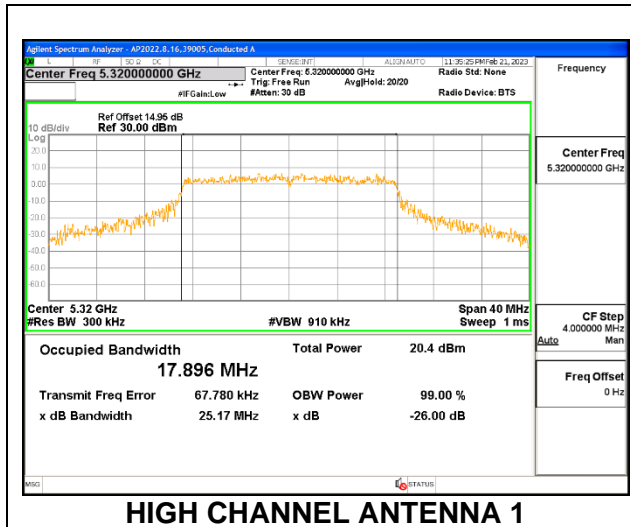
#### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL

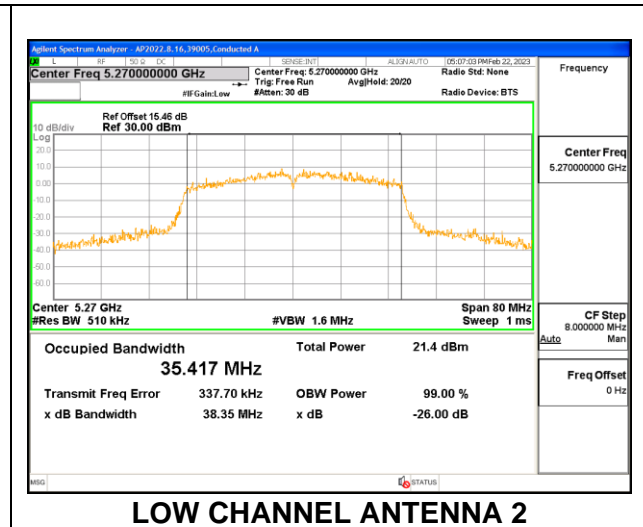
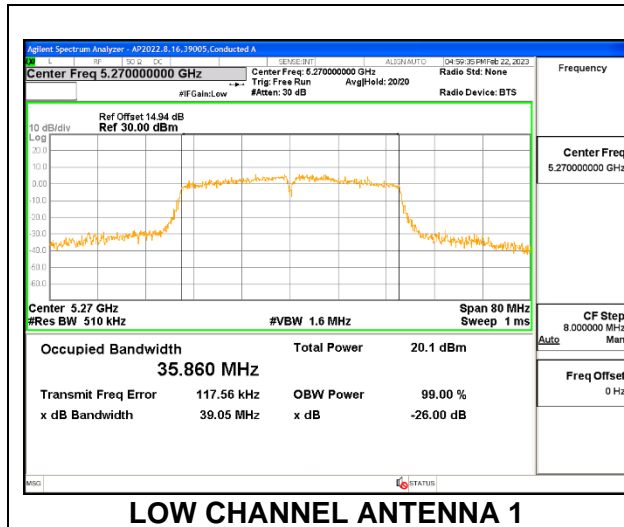


### 9.3.7. 802.11n HT40 MODE IN THE 5.3 GHz BAND

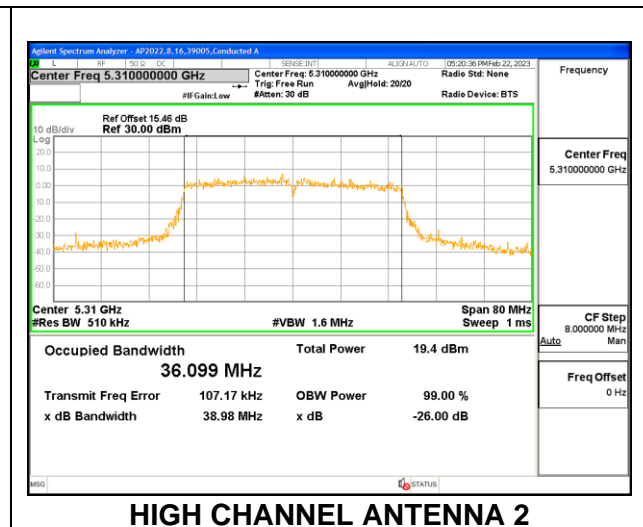
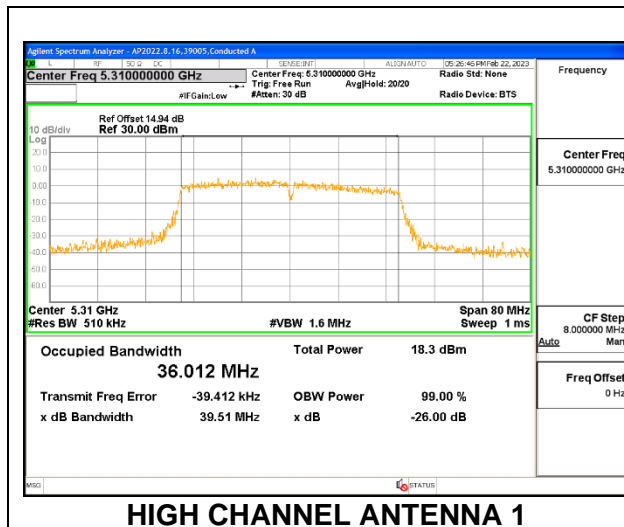
#### 2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 1 (MHz)	99% Bandwidth Antenna 2 (MHz)
Low	5270	35.860	35.417
High	5310	36.012	36.099

#### LOW CHANNEL



#### HIGH CHANNEL

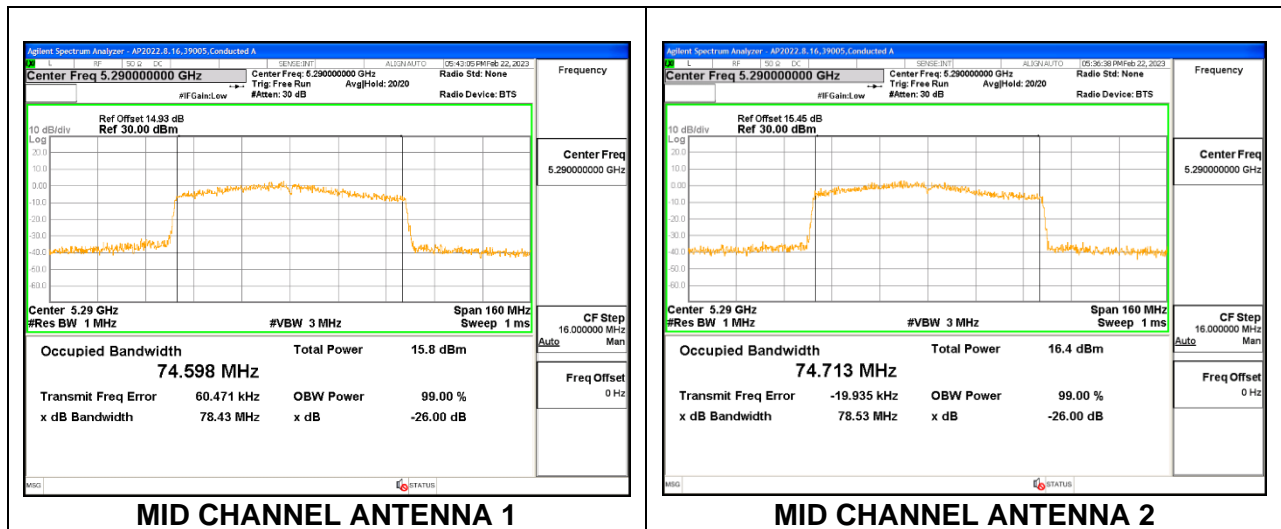


### 9.3.8. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

#### 2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 1 (MHz)	99% Bandwidth Antenna 2 (MHz)
Mid	5290	74.598	74.713

#### MID CHANNEL

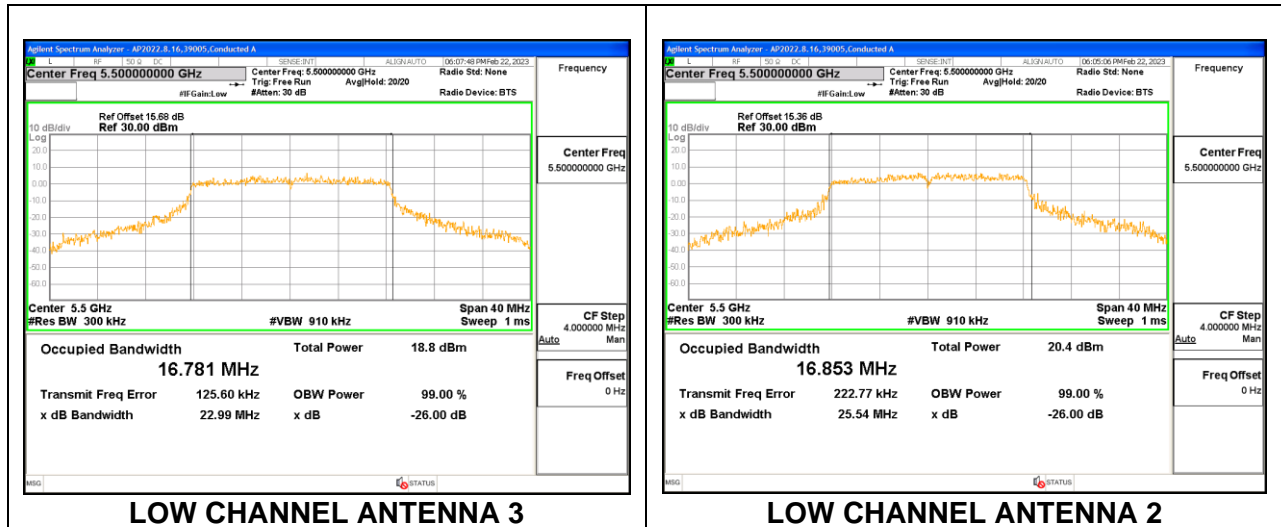


### 9.3.9. 802.11a MODE IN THE 5.6 GHz BAND

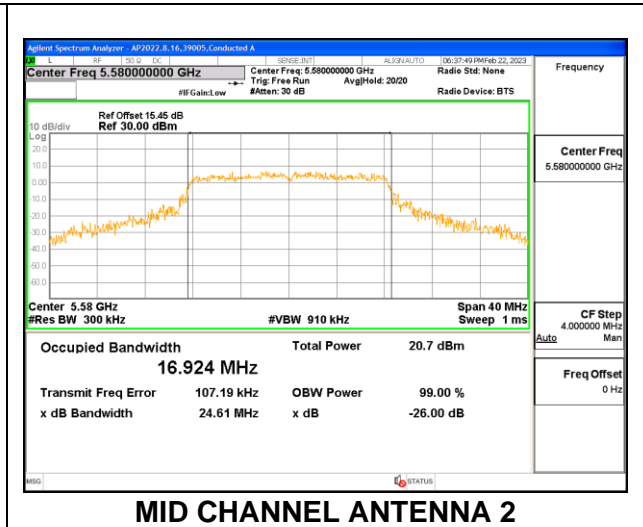
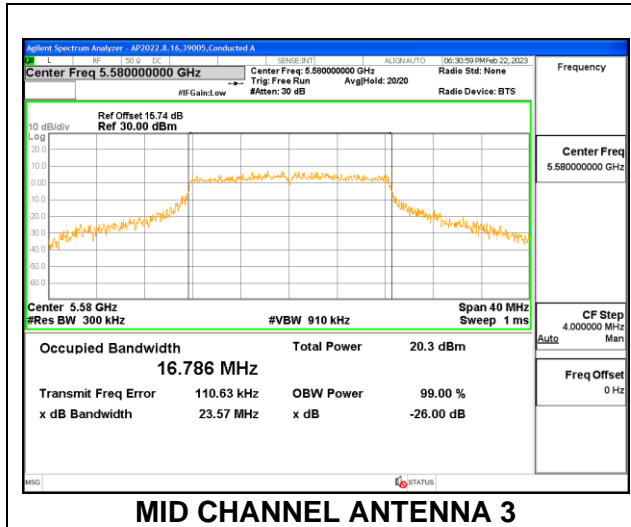
#### 2TX Antenna 3 + Antenna 2 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 2 (MHz)
Low	5500	16.781	16.853
Mid	5580	16.786	16.924
High	5700	16.978	16.893

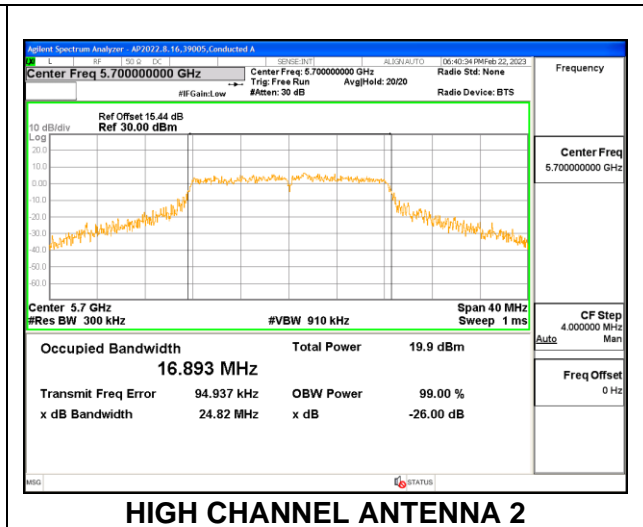
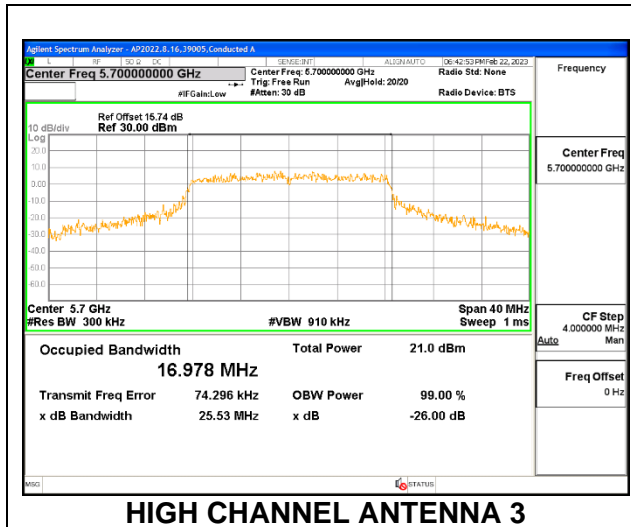
#### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL

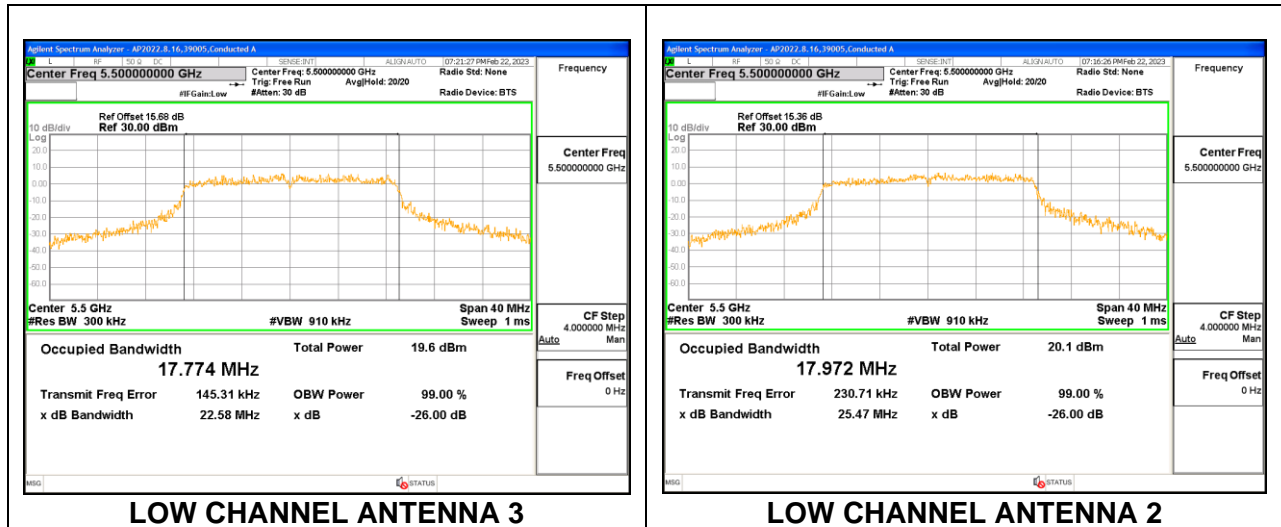


### 9.3.10. 802.11n HT20 MODE IN THE 5.6 GHz BAND

#### 2TX Antenna 3 + Antenna 2 CDD MODE

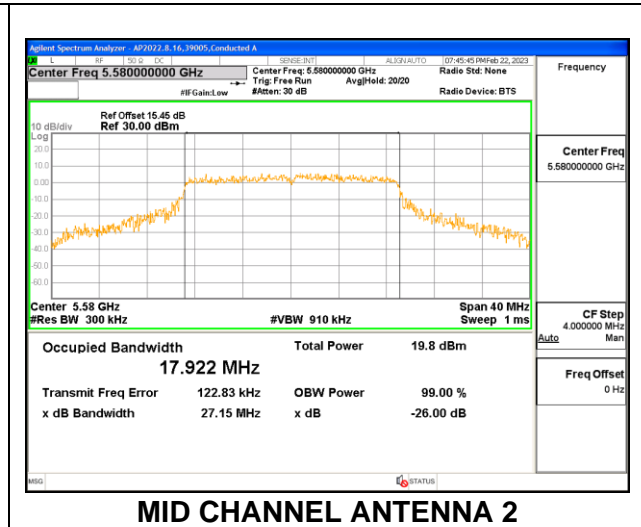
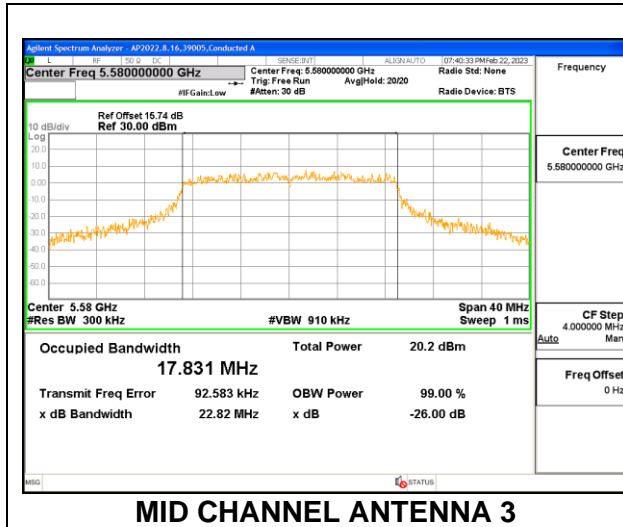
Channel	Frequency (MHz)	99% Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 2 (MHz)
Low	5500	17.774	17.972
Mid	5580	17.831	17.922
High	5700	17.892	17.898

#### LOW CHANNEL

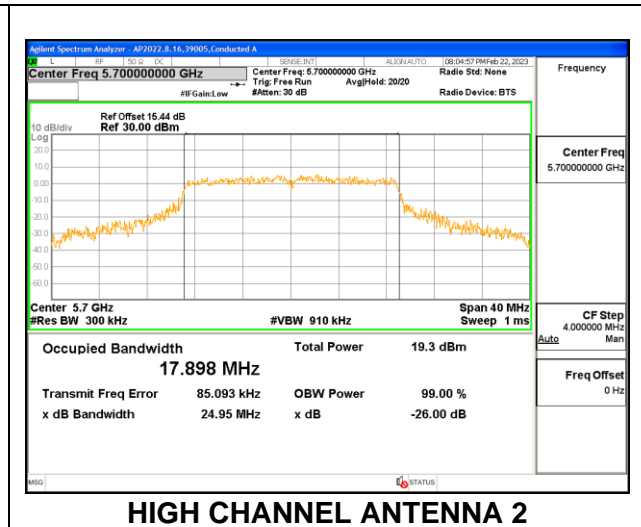
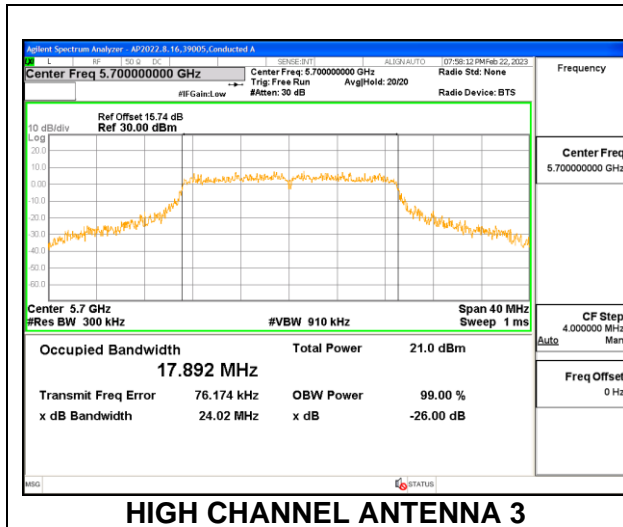




### MID CHANNEL



### HIGH CHANNEL

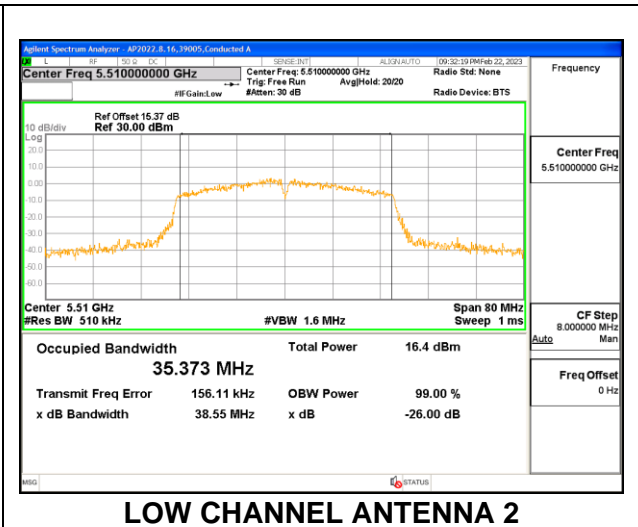
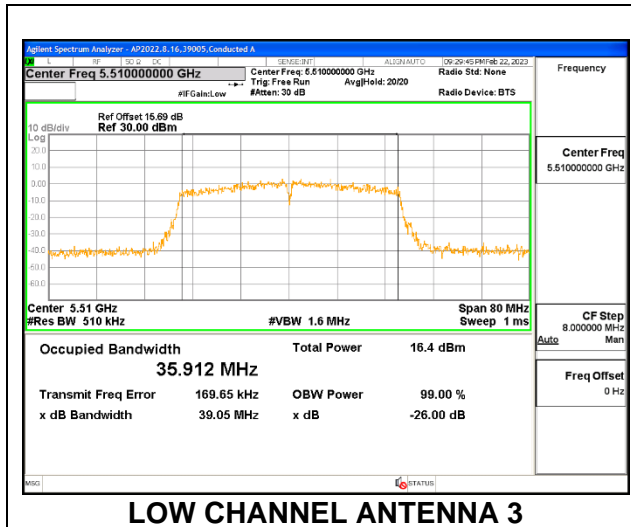


### 9.3.11. 802.11n HT40 MODE IN THE 5.6 GHz BAND

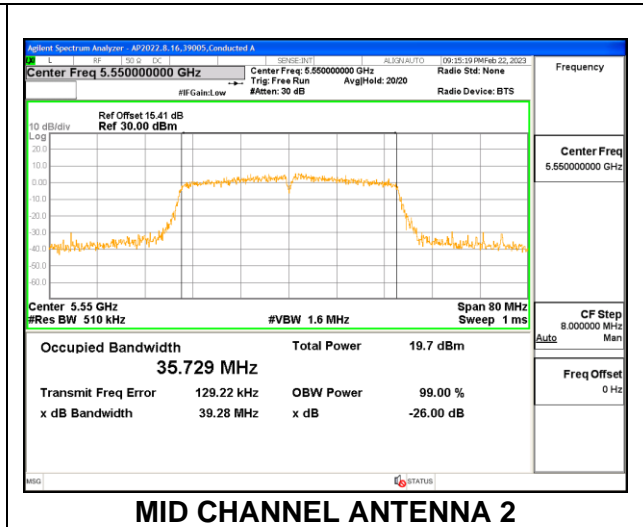
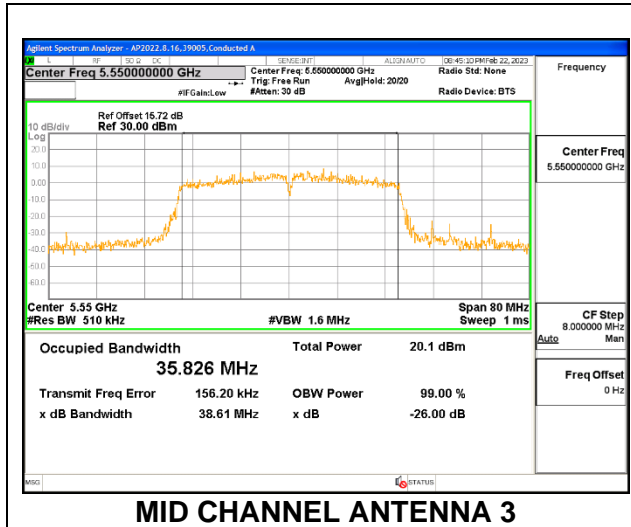
#### 2TX Antenna 3 + Antenna 2 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 2 (MHz)
Low	5510	35.912	35.373
Mid	5550	35.826	35.729
High	5670	35.853	35.664

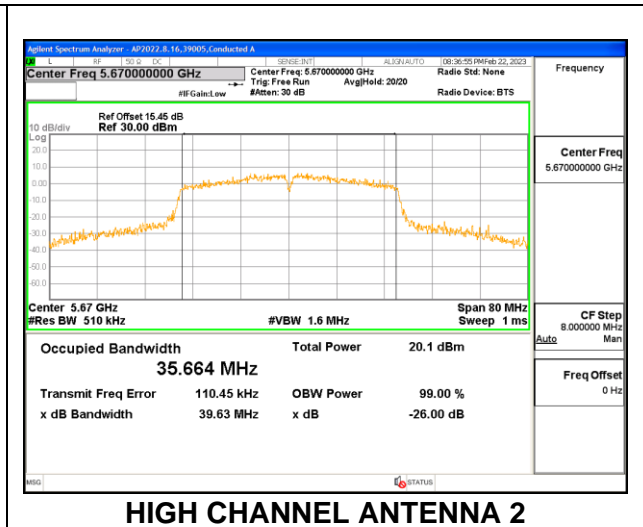
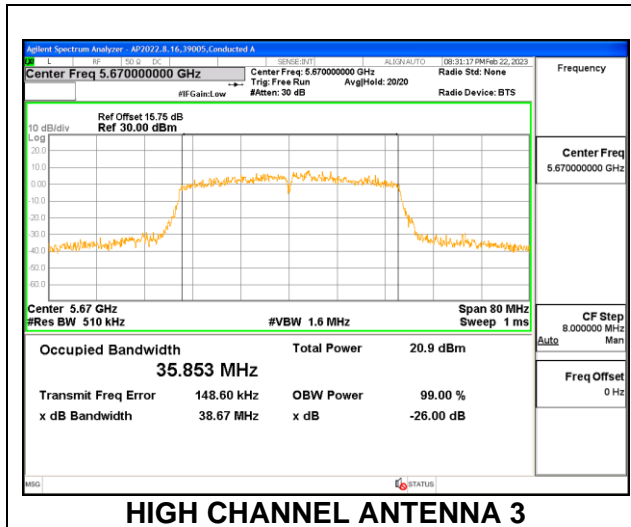
#### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL

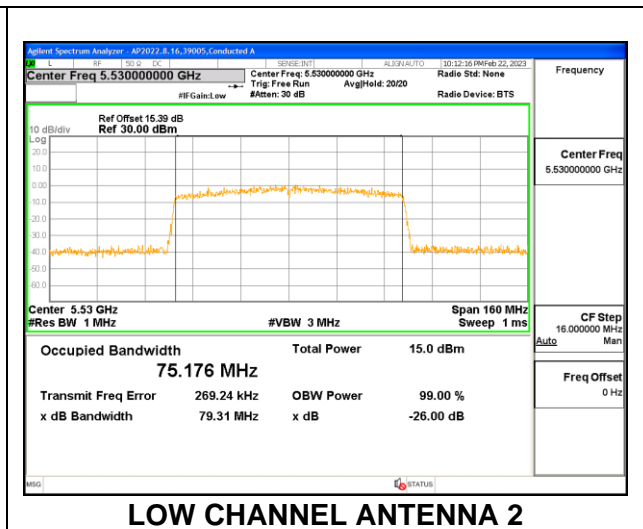
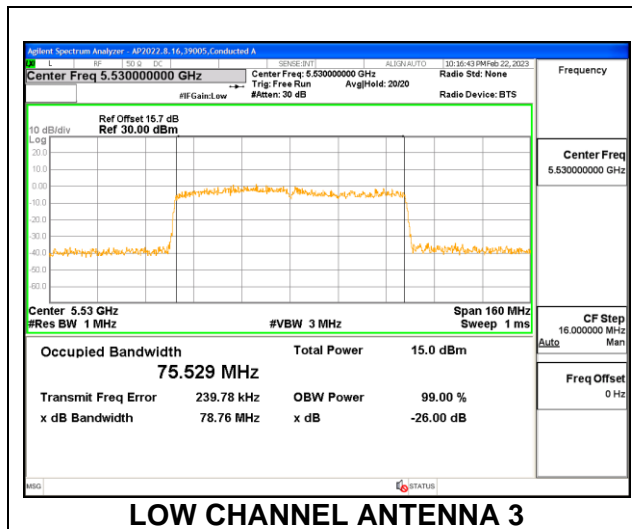


### 9.3.12. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

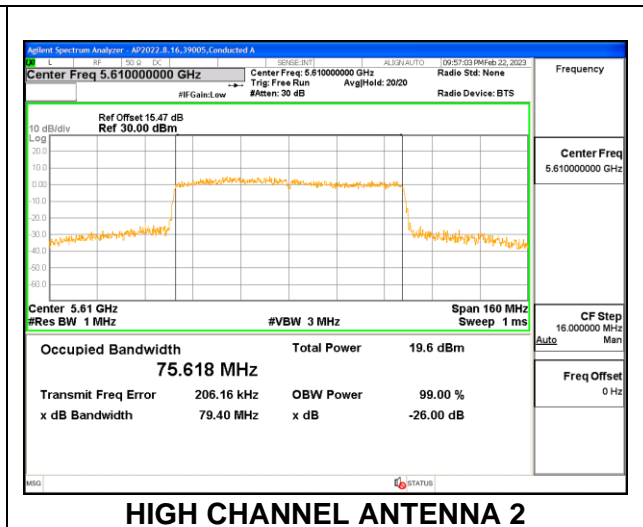
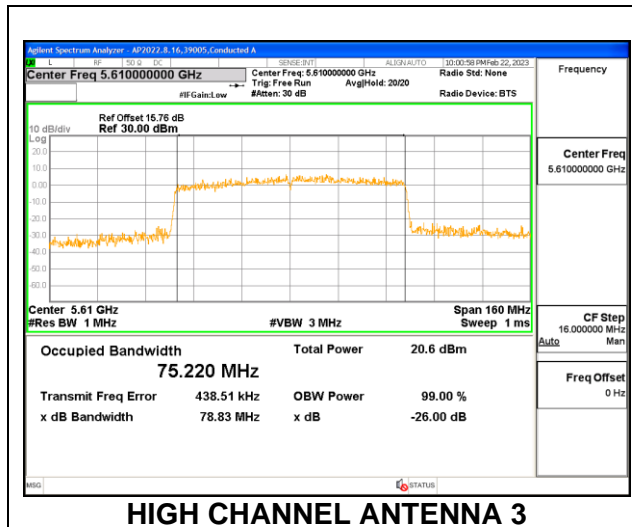
#### 2TX Antenna 3 + Antenna 2 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 2 (MHz)
Low	5530	75.529	75.176
High	5610	75.220	75.618

#### LOW CHANNEL



#### HIGH CHANNEL

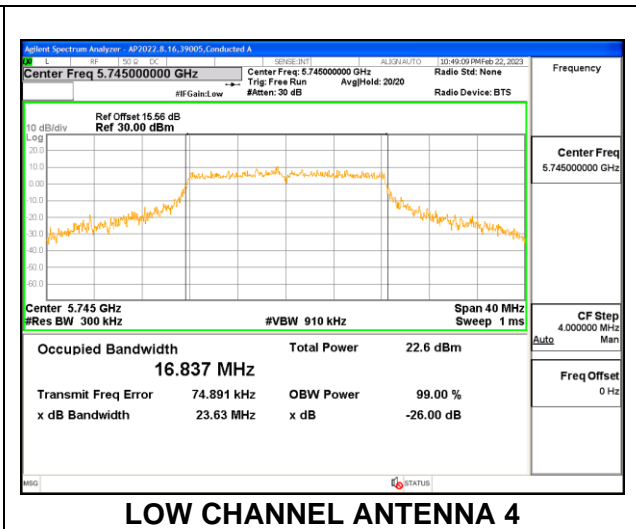
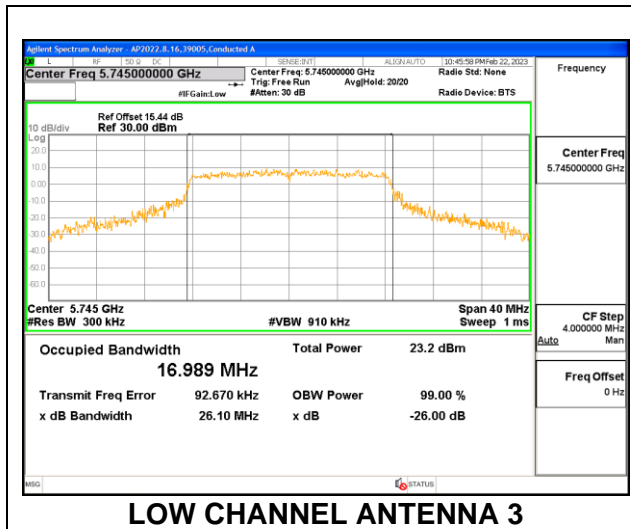


### 9.3.13. 802.11a MODE IN THE 5.8 GHZ BAND

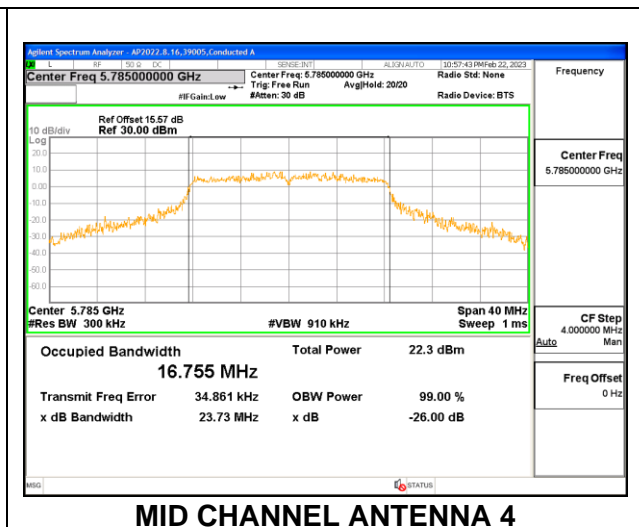
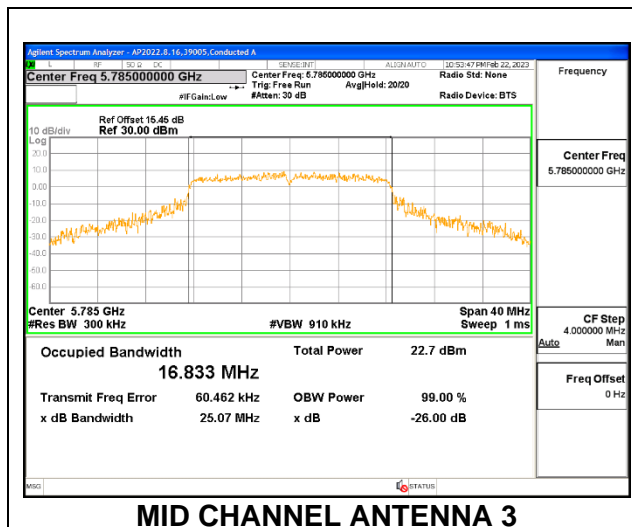
#### 2TX Antenna 3 + Antenna 4 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 4 (MHz)
Low	5745	16.989	16.837
Mid	5785	16.833	16.755
High	5825	16.964	16.853

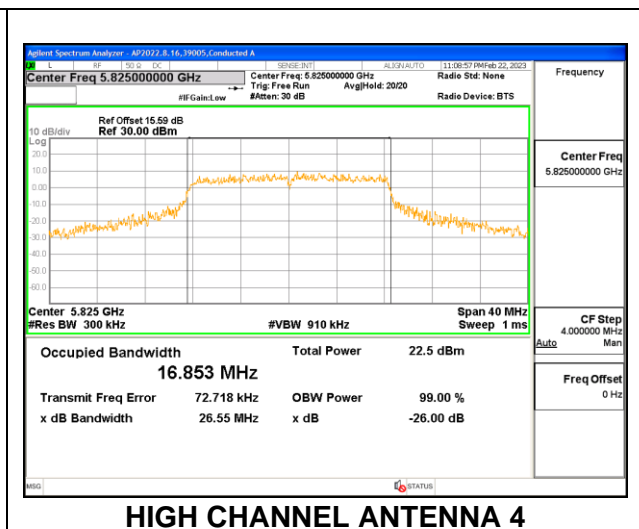
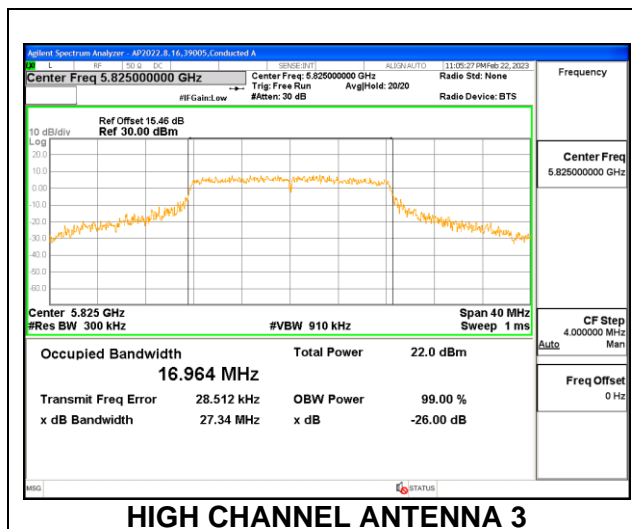
#### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL

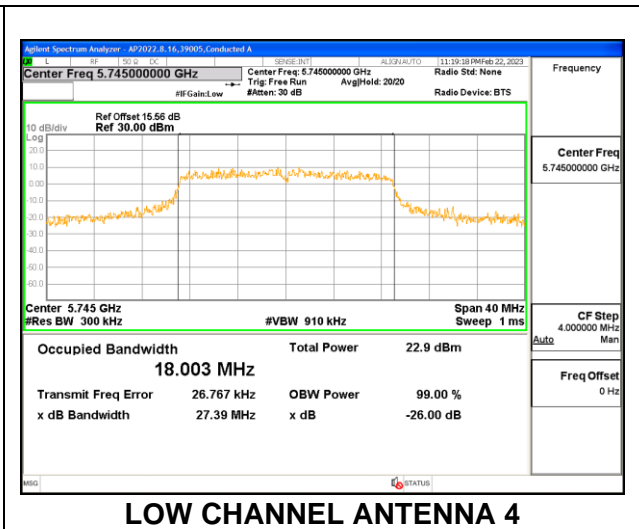
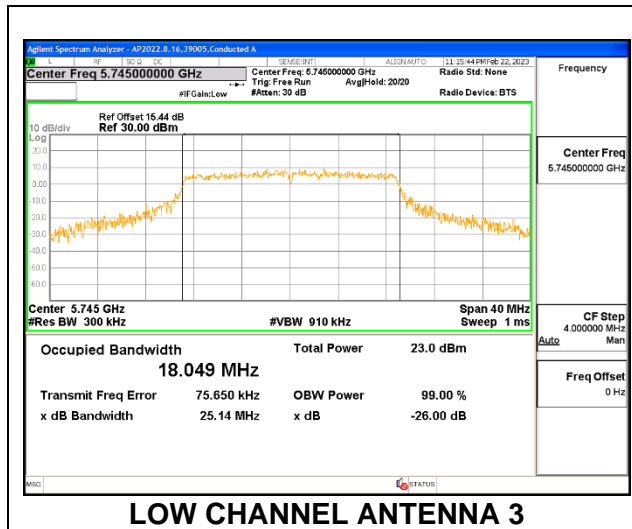


### 9.3.14. 802.11n HT20 MODE IN THE 5.8 GHz BAND

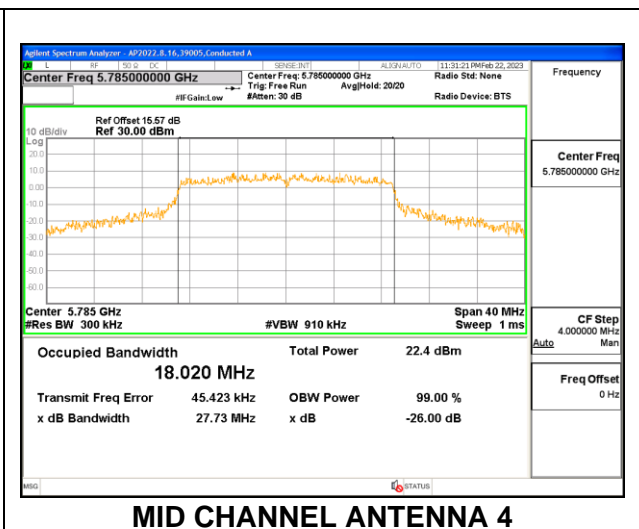
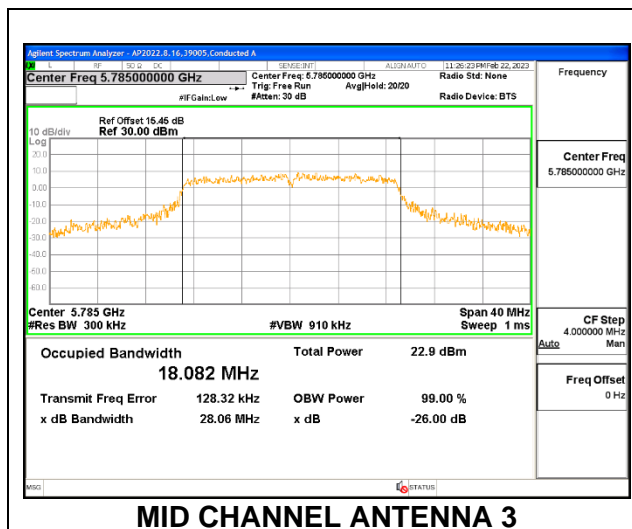
#### 2TX Antenna 3 + Antenna 4 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 4 (MHz)
Low	5745	18.049	18.003
Mid	5785	18.082	18.020
High	5825	18.047	17.895

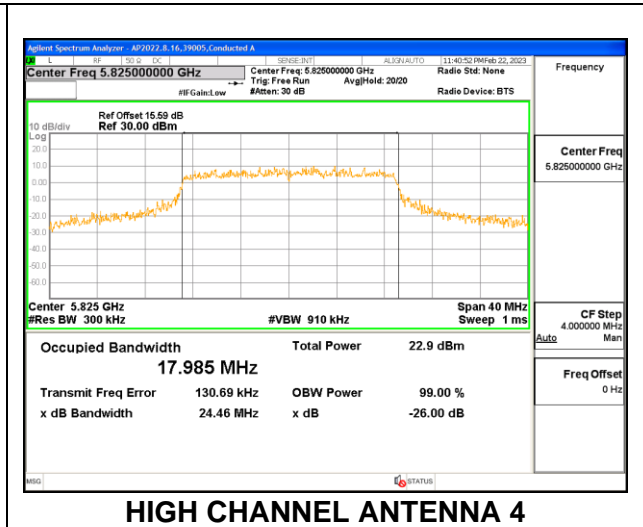
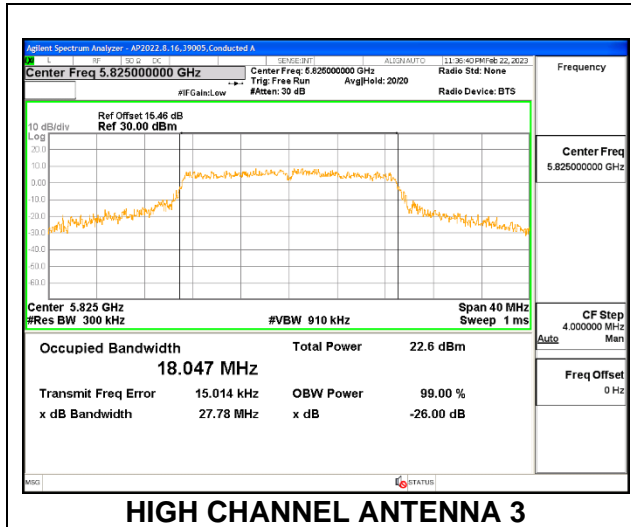
#### LOW CHANNEL



#### MID CHANNEL



### HIGH CHANNEL



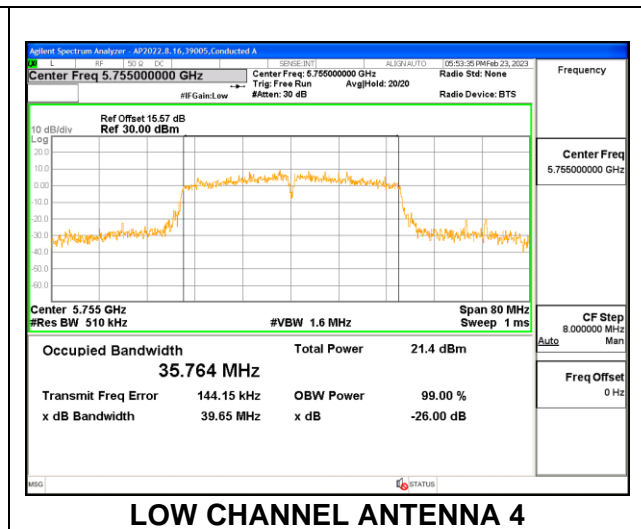
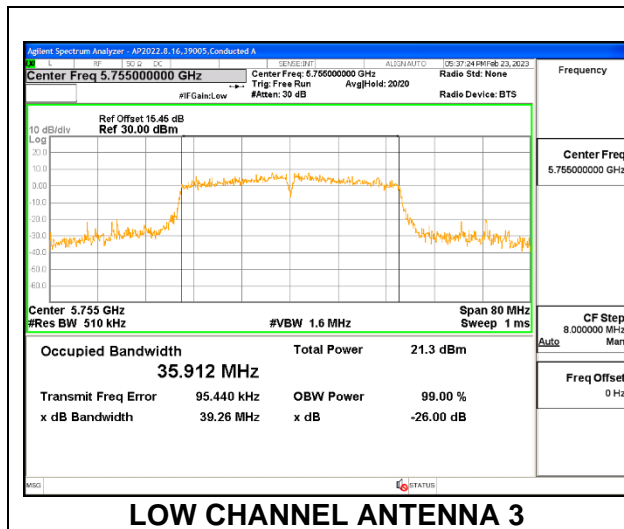


### 9.3.15. 802.11n HT40 MODE IN THE 5.8 GHz BAND

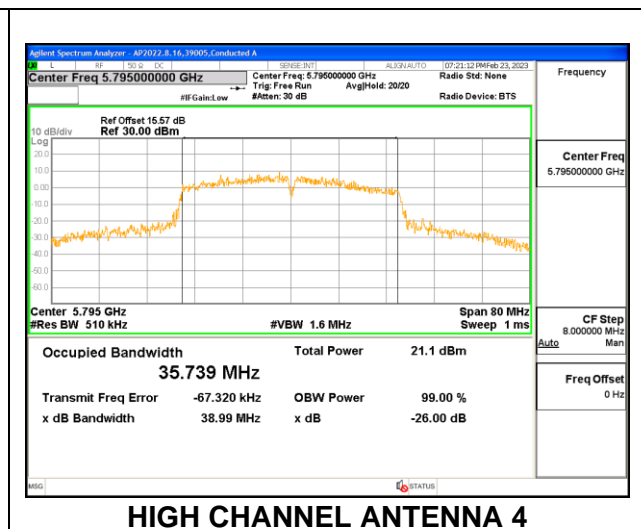
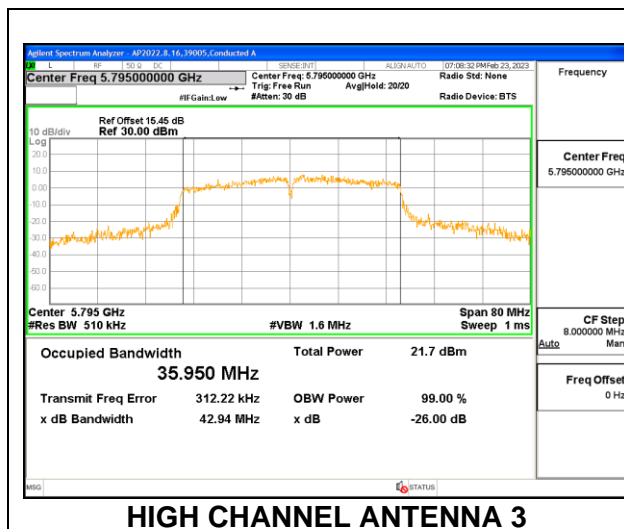
#### 2TX Antenna 3 + Antenna 4 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 4 (MHz)
Low	5755	35.912	35.764
High	5795	35.950	35.739

#### LOW CHANNEL



#### HIGH CHANNEL

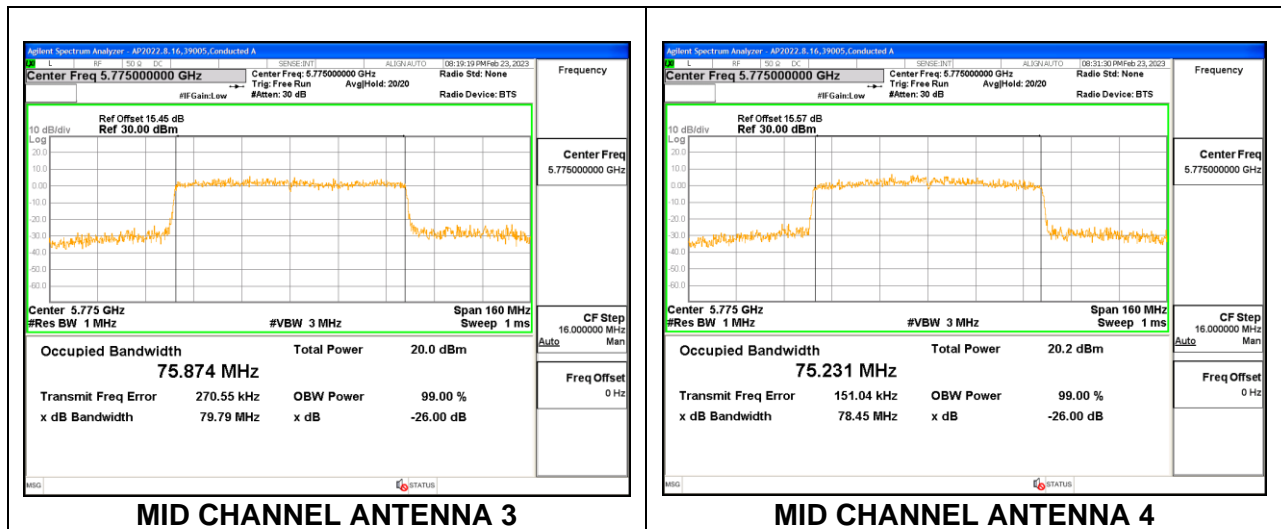


### 9.3.16. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

#### 2TX Antenna 3 + Antenna 4 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 4 (MHz)
Mid	5775	75.874	75.231

#### MID CHANNEL



## **9.4. 6 dB BANDWIDTH**

### **LIMITS**

FCC §15.407 (e)

RSS-247 6.2.4.1

The minimum 6 dB bandwidth shall be at least 500 kHz.

### **RESULTS**

### 9.4.1. 802.11a MODE IN THE 5.8 GHz BAND

#### 2TX Antenna 3 + Antenna 4 CDD MODE

Channel	Frequency (MHz)	6 dB BW Antenna 3 (MHz)	6 dB BW Antenna 4 (MHz)	Minimum Limit (MHz)
Low	5745	16.348	16.388	0.5
Mid	5785	16.368	16.436	0.5
High	5825	16.568	16.408	0.5

#### LOW CHANNEL

