

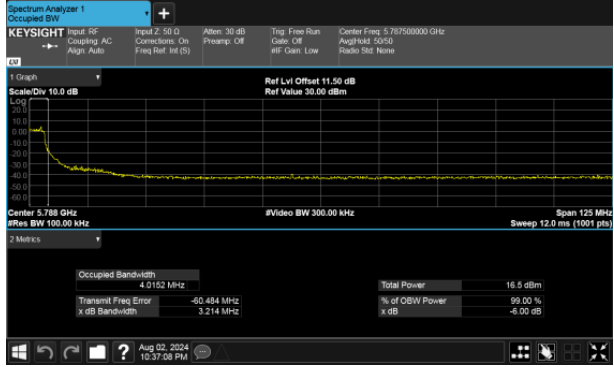


6dB Bandwidth  
SISO ANT B  
Modulation Type: 802.11a

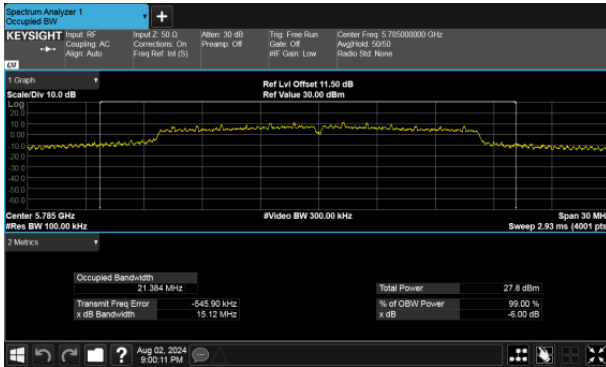
CH149



SISO ANT B  
Modulation Type: 802.11a  
Extends across 5725MHz band  
CH144



CH157



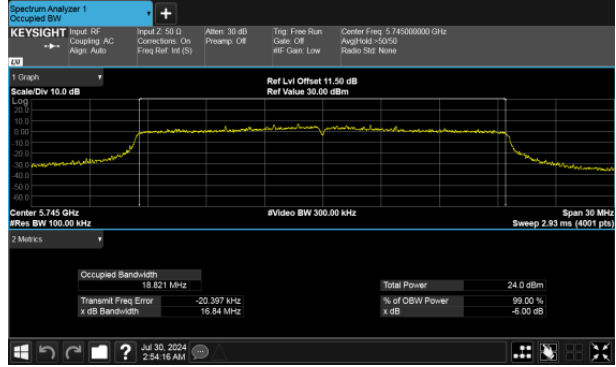
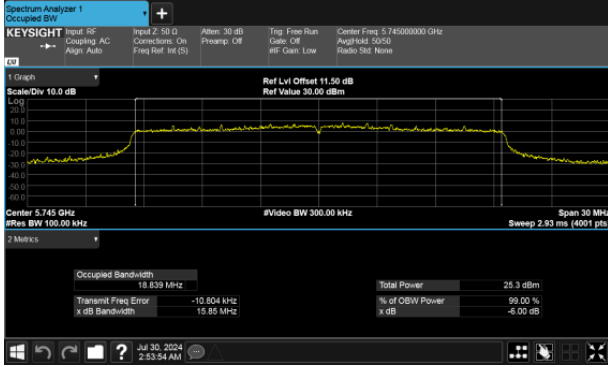
CH165



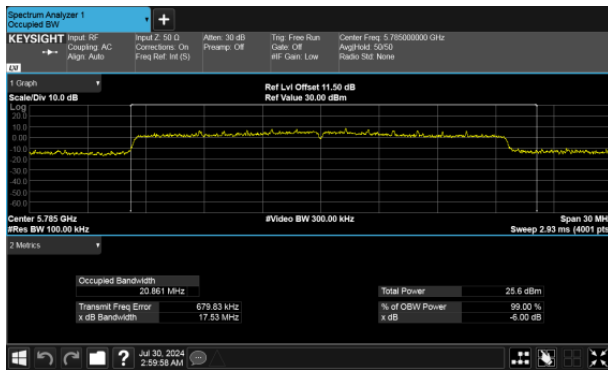


6dB Bandwidth  
MIMO  
ANT A  
Modulation Type: 802.11ax20  
CH149

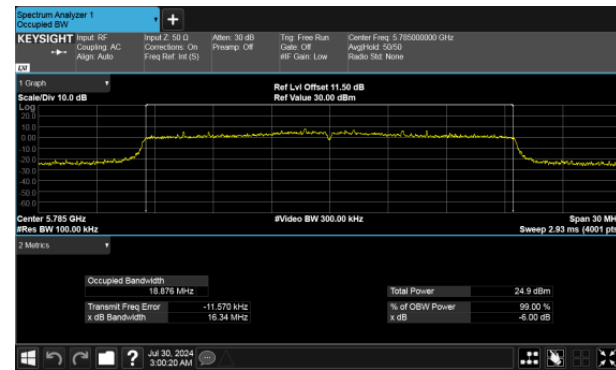
ANT B  
Modulation Type: 802.11ax20  
CH149



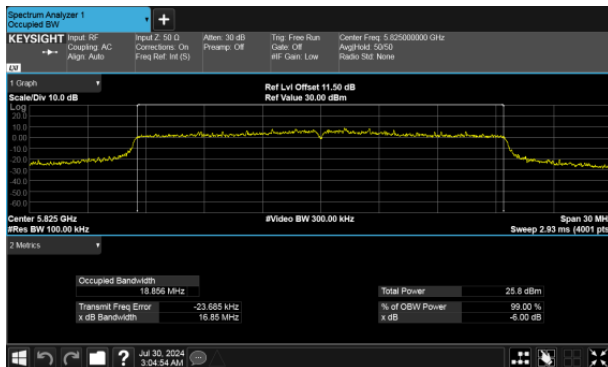
CH157



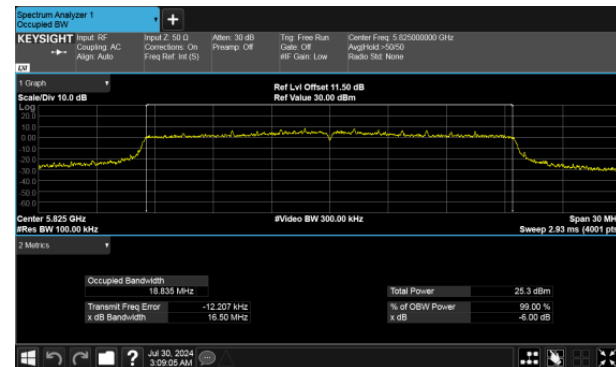
CH157



CH165



CH165



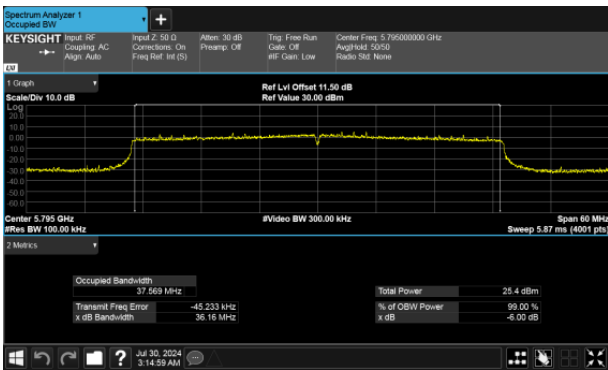


6dB Bandwidth  
MIMO  
ANT A  
Modulation Type: 802.11ax40  
CH151

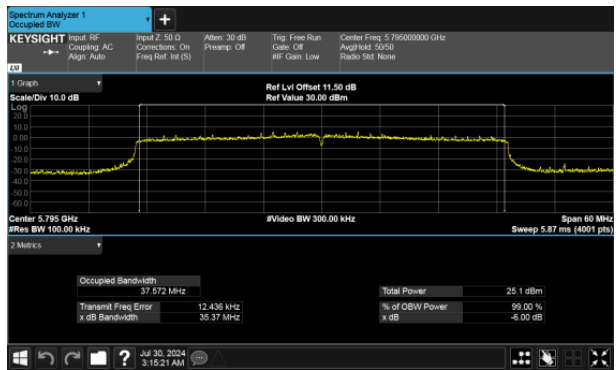
ANT B  
Modulation Type: 802.11ax40  
CH151



CH159



CH159





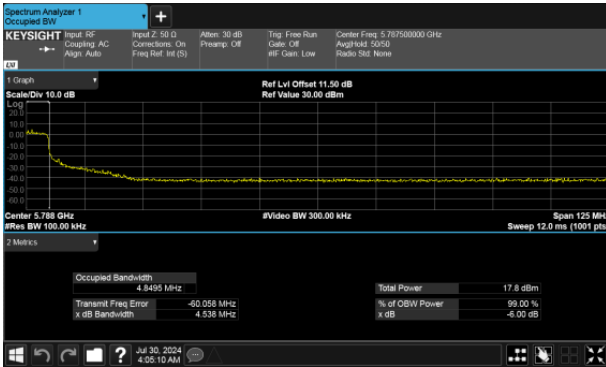
MIMO  
ANT A  
Modulation Type: 802.11ax80  
CH155

ANT B  
Modulation Type: 802.11ax80  
CH155

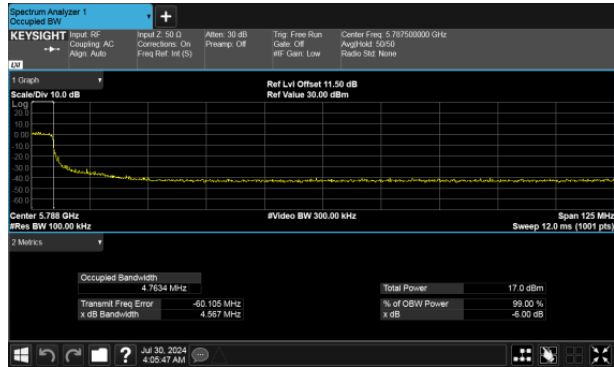




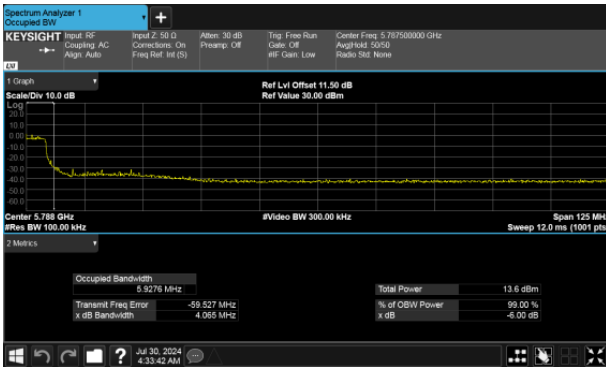
Extends across 5725MHz band  
Modulation Type:802.11ax20  
ANT A  
CH144



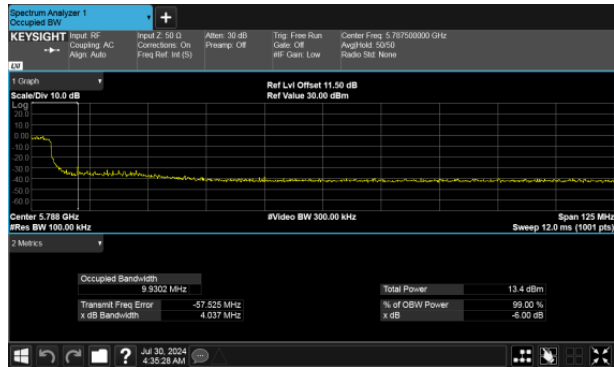
Modulation Type:802.11ax20  
ANT B  
CH144



Modulation Type:802.11ax40  
ANT A  
CH142



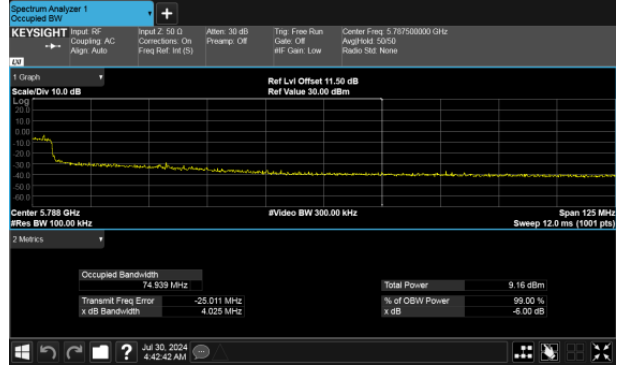
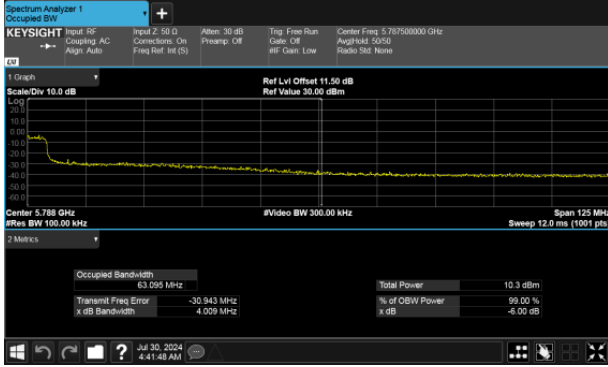
Modulation Type:802.11ax40  
ANT B  
CH142





Extends across 5725MHz band  
MIMO  
ANT A  
Modulation Type: 802.11ax80  
CH138

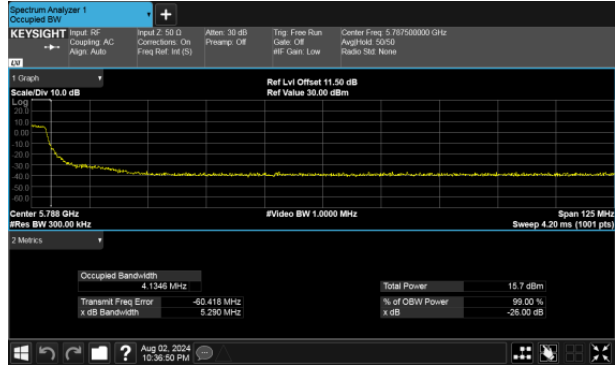
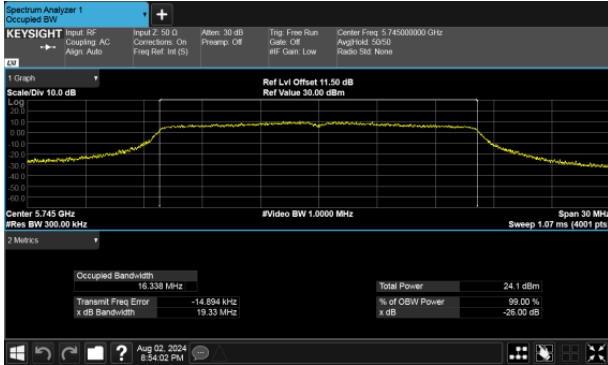
ANT B  
Modulation Type: 802.11ax80  
CH138



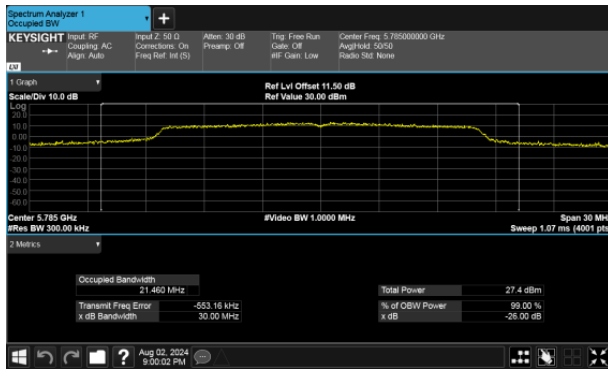


99% Occupied Bandwidth  
SISO ANT B  
Modulation Type: 802.11a  
CH149

Extends across 5725MHz band  
Modulation Type: 802.11a  
CH144



CH157



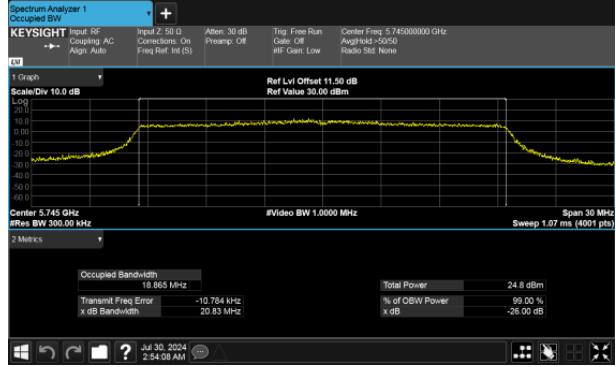
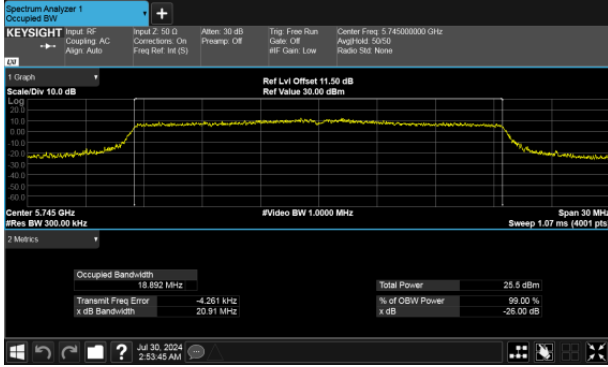
CH165



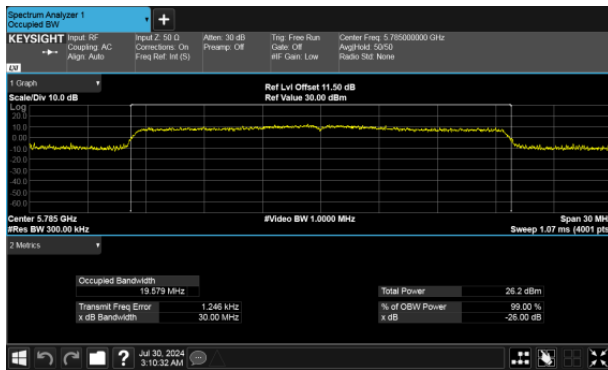


99% Occupied Bandwidth  
MIMO  
ANT A  
Modulation Type: 802.11ax20  
CH149

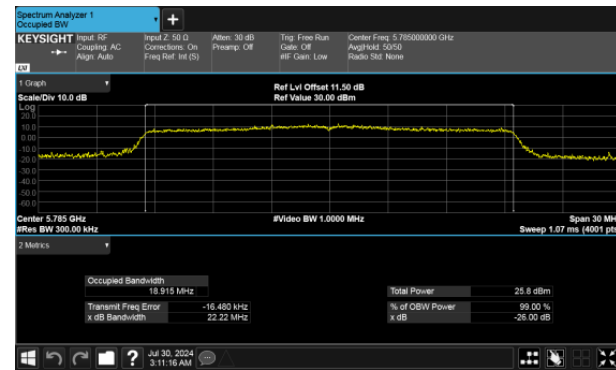
ANT B  
Modulation Type: 802.11ax20  
CH149



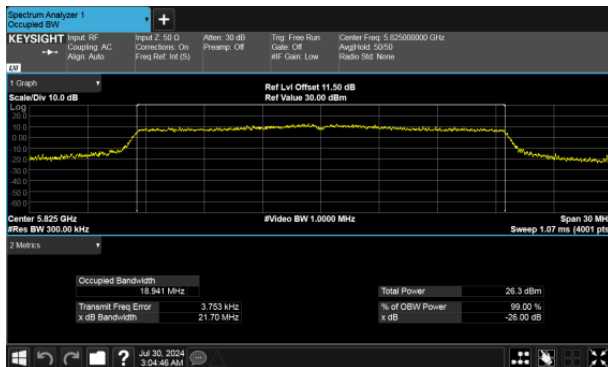
CH157



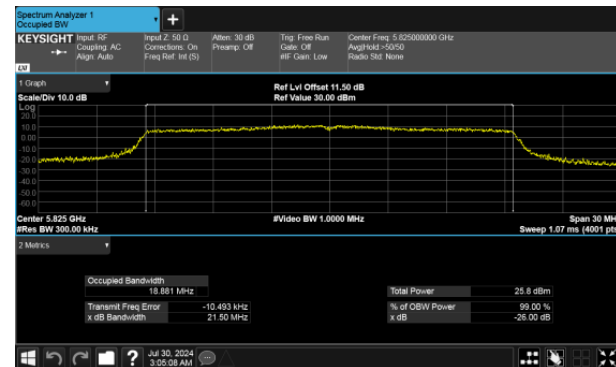
CH157



CH165



CH165

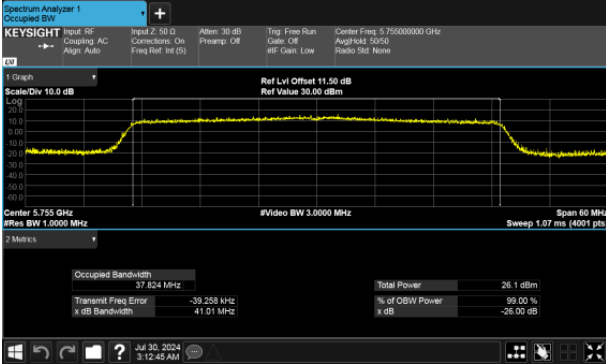




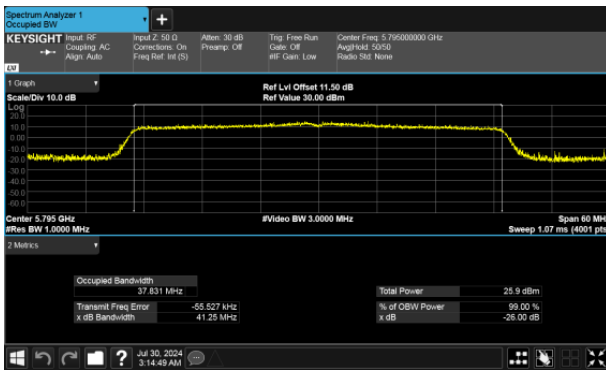


MIMO  
ANT A  
Modulation Type: 802.11ax40  
CH151

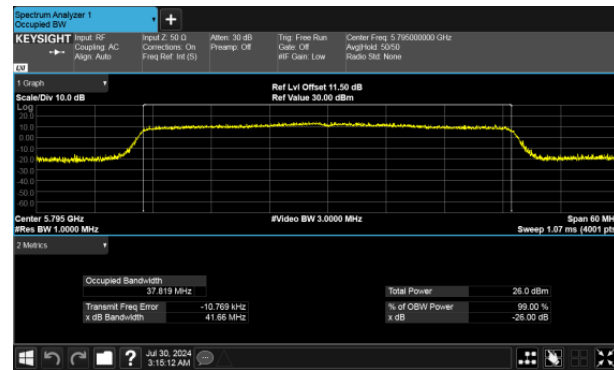
ANT B  
Modulation Type: 802.11ax40  
CH151



CH159



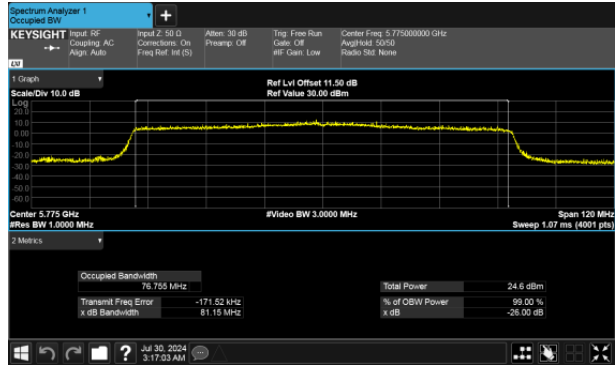
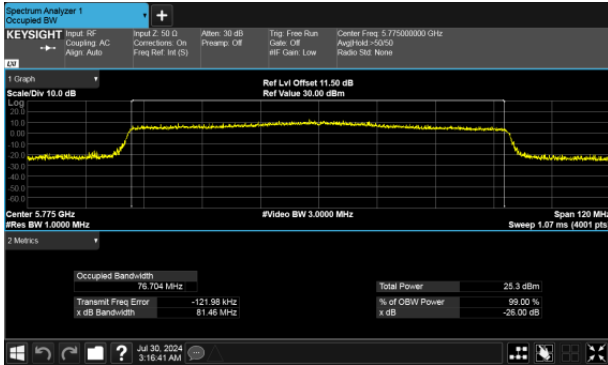
CH159





MIMO  
ANT A  
Modulation Type: 802.11ax80  
CH155

ANT B  
Modulation Type: 802.11ax80  
CH155



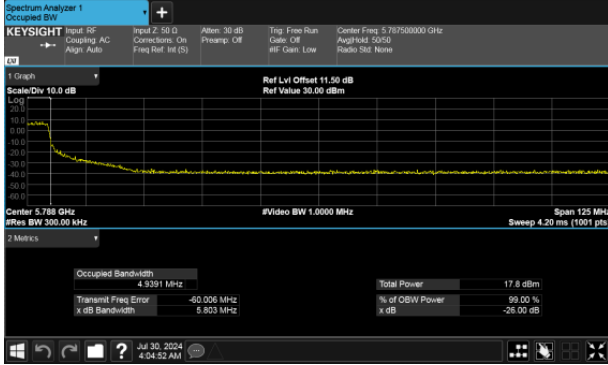


99% Bandwidth

Extends across 5725MHz Band, Straddle Channel

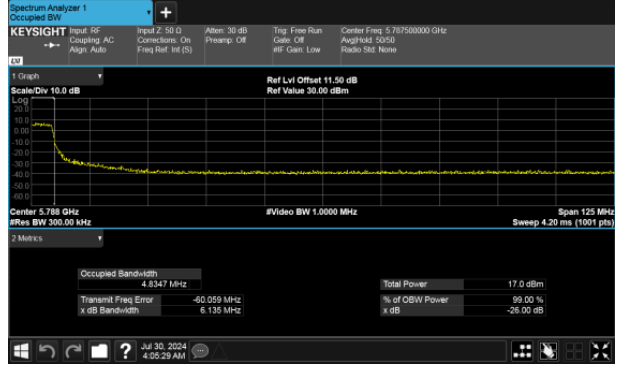
Modulation Type: 802. 11ax20

ANT A  
CH144



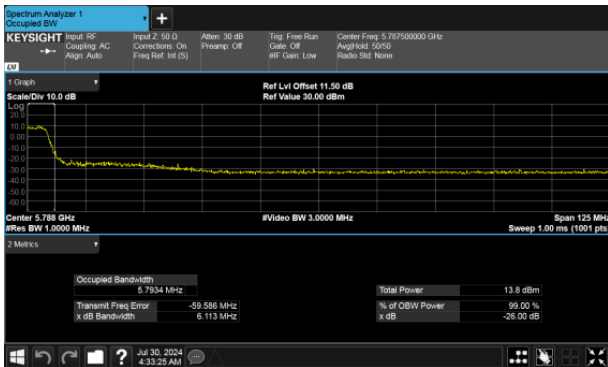
Modulation Type: 802. 11ax20

ANT B  
CH144



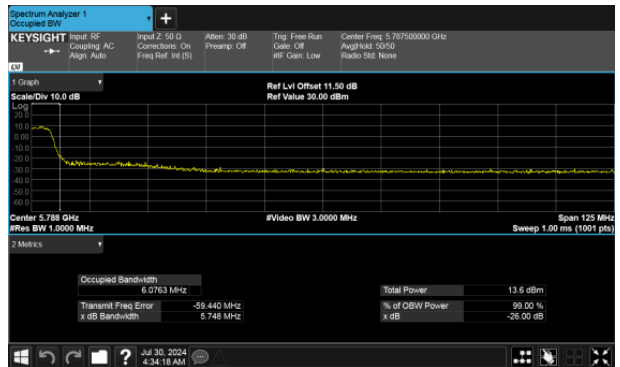
Modulation Type: 802.11ax40

ANT A  
CH142



Modulation Type: 802.11ax40

ANT B  
CH142





99% Bandwidth

Extends across 5725MHz Band, Straddle Channel

Modulation Type: 802.11ax80

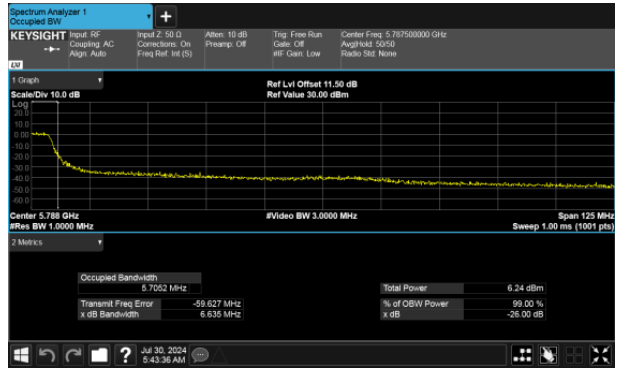
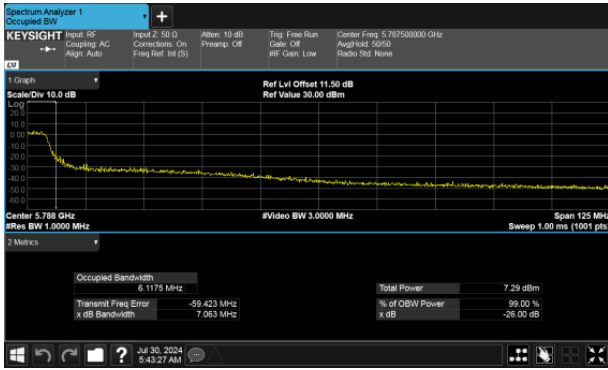
ANT A

CH138

Modulation Type: 802.11ax80

ANT B

CH138





## 9. 26dB Bandwidth & 99% Occupied Bandwidth

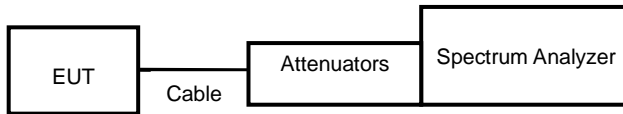
### 9.1. Test Limit

None; for reporting purposes only.

### 9.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW = approximately 1% of the emission bandwidth, the VBW  $\geq 3 \times$  RBW, peak detector and max hold.

### 9.3. Test Setup Layout





### 9.4. Test Result and Data

#### SISO ANT B

In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT B
11a	36	5180	19.32
11a	40	5200	26.28
11a	48	5240	26.23

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT B
11a	36	5180	16.35
11a	40	5200	16.59
11a	48	5240	16.60

In the 5.3G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT B
11a	52	5260	29.44
11a	60	5300	21.54
11a	64	5320	19.64

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT B
11a	52	5260	16.61
11a	60	5300	16.41
11a	64	5320	16.34



In the 5.5G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
			ANT B
11a	100	5500	19.34
11a	120	5600	19.67
11a	140	5700	19.33

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth (MHz)
			ANT B
11a	100	5500	16.35
11a	120	5600	16.31
11a	140	5700	16.32

UNII Emission Bandwidth Result (Within 5470-5725MHz band)				
Modulation Type	Data Rate / MCS	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
			ANT B	ANT B
11a	6 Mbps	5720	14.98	13.18



MIMO

In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)	
			ANT A	ANT B
11ax HE20	36	5180	21.01	20.65
11ax HE20	40	5200	22.43	21.12
11ax HE20	48	5240	21.27	21.21
11ax HE40	38	5190	40.99	41.62
11ax HE40	46	5230	41.52	41.16
11ax HE80	42	5210	81.43	81.4

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
11ax HE20	36	5180	18.89	18.90
11ax HE20	40	5200	18.90	18.87
11ax HE20	48	5240	18.88	18.88
11ax HE40	38	5190	37.75	37.77
11ax HE40	46	5230	37.74	37.76
11ax HE80	42	5210	76.75	76.70

In the 5.3G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)	
			ANT A	ANT B
11ax HE20	52	5260	20.93	21.11
11ax HE20	60	5300	21.2	20.71
11ax HE20	64	5320	21.12	20.92
11ax HE40	54	5270	41.45	41.13
11ax HE40	62	5310	41.5	41.08
11ax HE80	58	5290	81.59	81.77

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
11ax HE20	52	5260	18.90	18.86
11ax HE20	60	5300	18.92	18.87
11ax HE20	64	5320	18.88	18.88
11ax HE40	54	5270	37.78	37.77
11ax HE40	62	5310	37.78	37.76
11ax HE80	58	5290	76.88	76.78





In the 5.5G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)	
			ANT A	ANT B
11ax HE20	100	5500	21.36	21.05
11ax HE20	120	5600	21.42	20.87
11ax HE20	140	5700	20.87	20.96
11ax HE40	102	5510	41.27	41.14
11ax HE40	118	5590	59.16	56.04
11ax HE40	134	5670	41.33	41.28
11ax HE80	106	5530	81.96	81.75
11ax HE80	122	5610	81.68	81.8
11ax HE160	114	5570	165.60	164.10

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth (MHz)	
			ANT A	ANT B
11ax HE20	100	5500	18.90	18.85
11ax HE20	120	5600	18.89	18.87
11ax HE20	140	5700	18.89	18.85
11ax HE40	102	5510	37.78	37.73
11ax HE40	118	5590	38.33	38.12
11ax HE40	134	5670	37.78	37.80
11ax HE80	106	5530	76.87	76.72
11ax HE80	122	5610	76.75	76.70
11ax HE160	114	5570	155.2	155.24



UNII Emission Bandwidth Result (Within 5470-5725MHz band)						
Modulation Type	Data Rate / MCS	Frequency (MHz)	26dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			ANT A	ANT B	ANT A	ANT B
11ax HE20	NSS1-MCS0	5720	15.70	15.64	14.42	14.50
11ax HE40	NSS1-MCS0	5710	35.64	35.79	33.79	33.69
11ax HE80	NSS1-MCS0	5690	76.29	75.91	72.92	73.06

UNII Emission Bandwidth Result (Within 5150-5250MHz band)						
Modulation Type	Data Rate / MCS	Frequency (MHz)	26dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			ANT A	ANT B	ANT A	ANT B
11ax HE160	NSS1-MCS0	5250	82.82	82.68	78.06	78.10

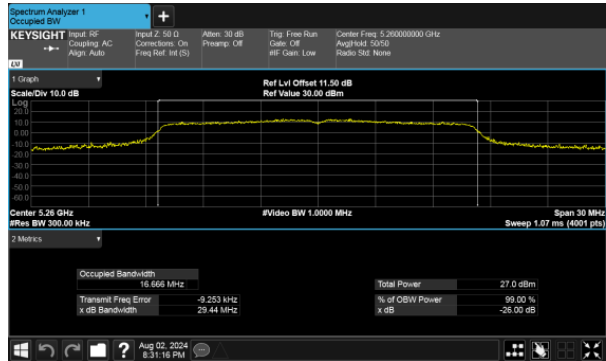
UNII Emission Bandwidth Result (Extends across 5250MHz band)						
Modulation Type	Data Rate / MCS	Frequency (MHz)	26dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			ANT A	ANT B	ANT A	ANT B
11ax HE160	NSS1-MCS0	5250	83.25	83.91	78.26	78.24



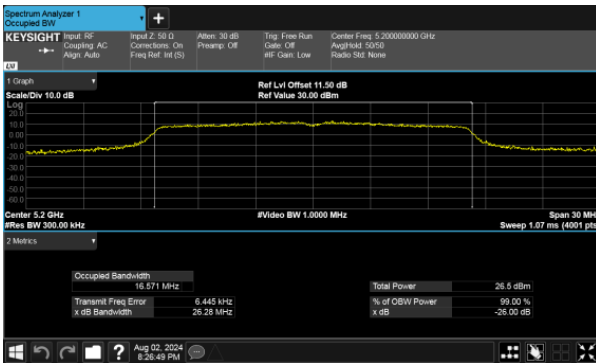
26dB Bandwidth Band 1  
SISO ANT B  
Modulation Type: 802.11a  
CH36



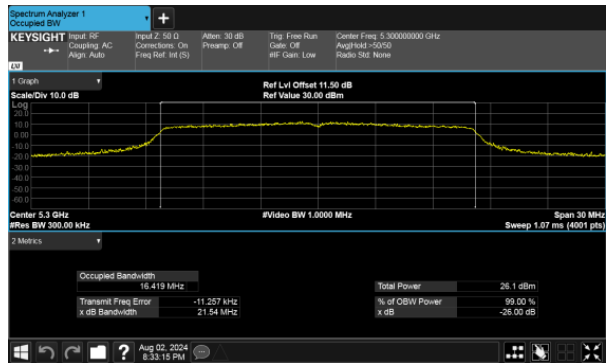
CH52



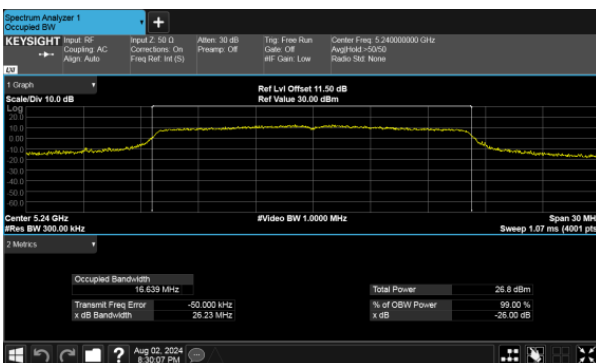
CH40



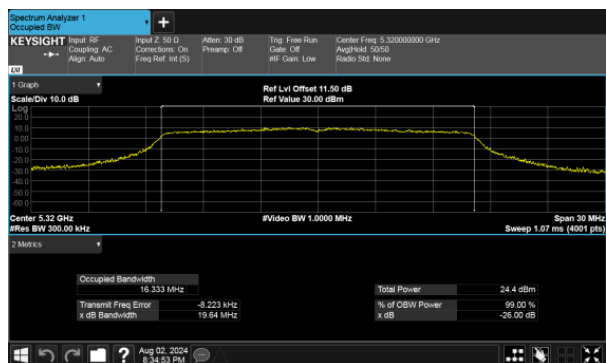
CH60



CH48

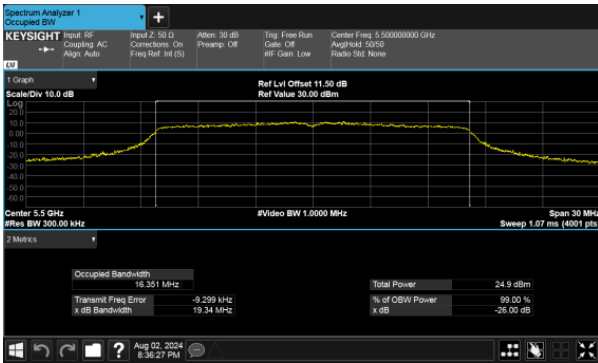


CH64

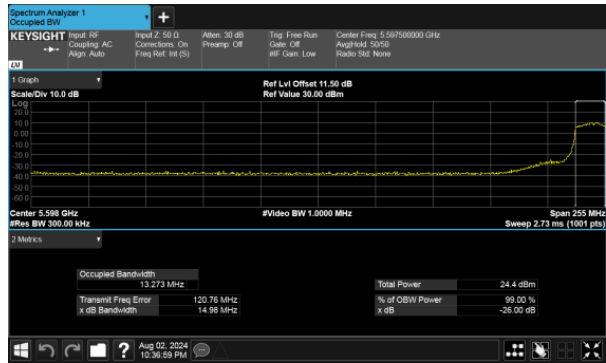




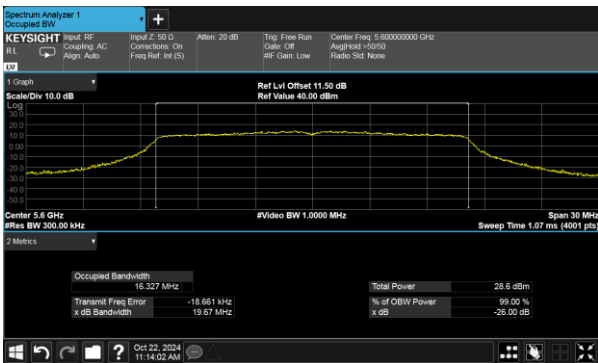
SISO ANT B  
Modulation Type: 802.11a  
CH100



Within 5470-5725MHz band  
Modulation Type: 802.11a  
CH144



CH120



CH140





26dB Bandwidth Band 1

MIMO

ANT A

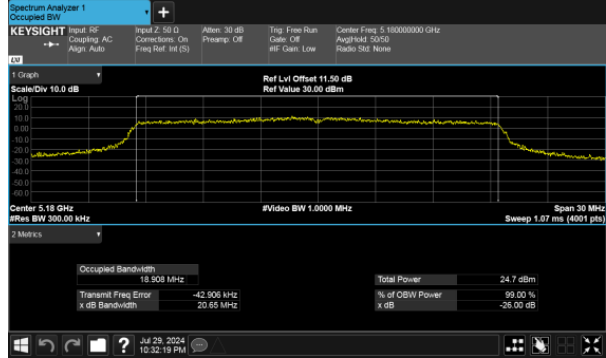
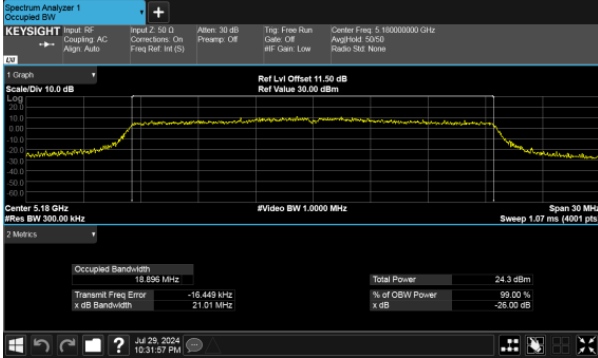
Modulation Type: 802.11ax20

CH36

ANT B

Modulation Type: 802.11ax20

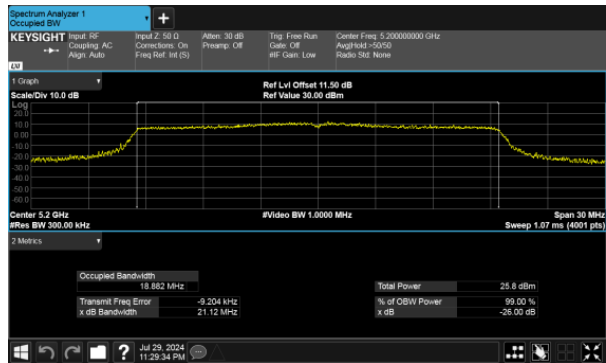
CH36



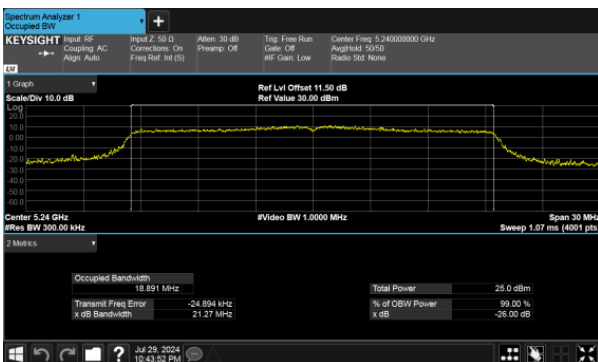
CH40



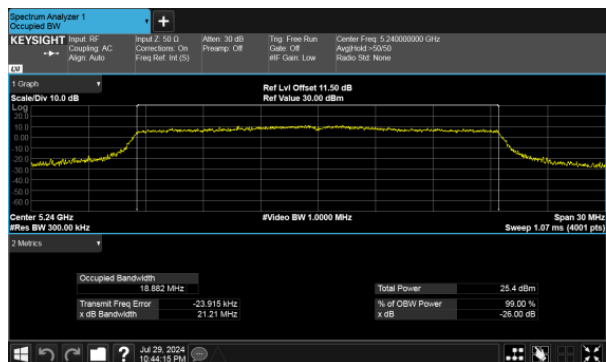
CH40



CH48

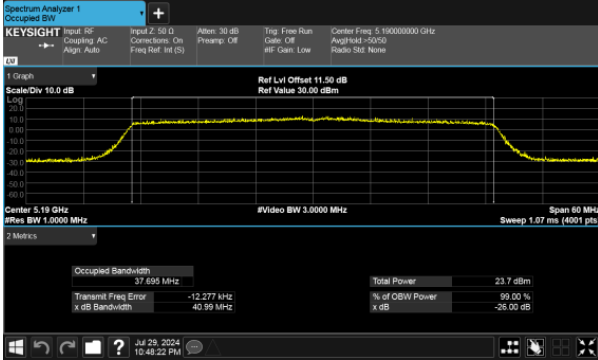


CH48

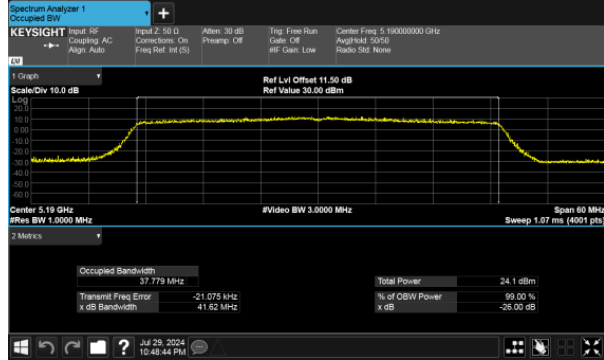




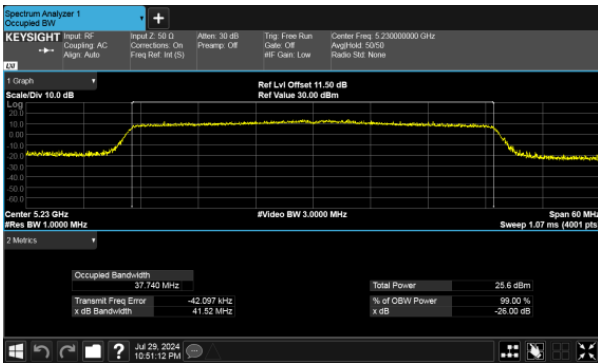
MIMO  
ANT A  
Modulation Type: 802.11ax40  
CH38



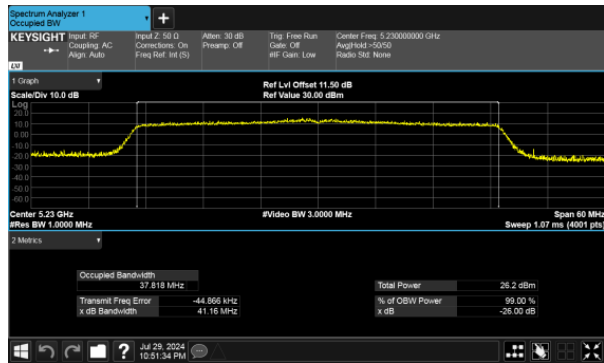
ANT B  
Modulation Type: 802.11ax40  
CH38



CH46



CH46





MIMO  
ANT A  
Modulation Type: 802.11ax80  
CH42

ANT B  
Modulation Type: 802.11ax80  
CH42

