

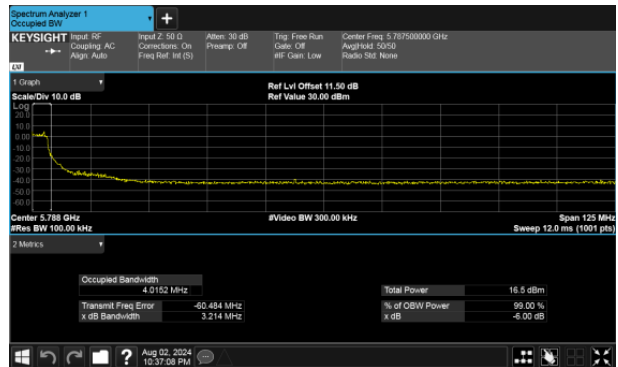


6dB Bandwidth
SISO ANT B
Modulation Type: 802.11a

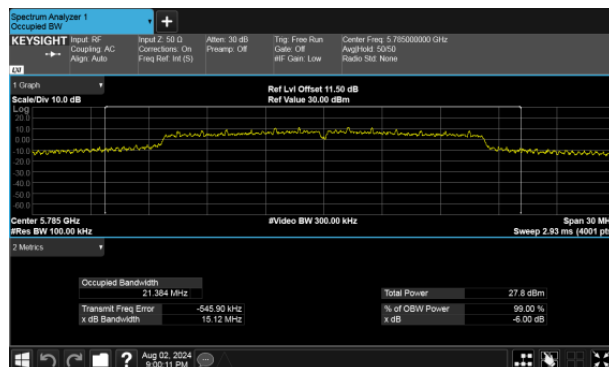
CH149



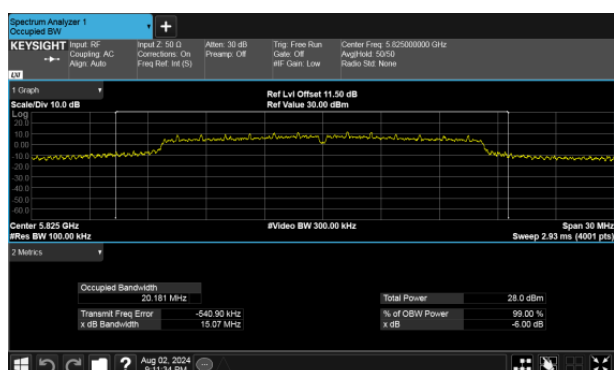
SISO ANT B
Modulation Type: 802.11a
Extends across 5725MHz band
CH144



CH157

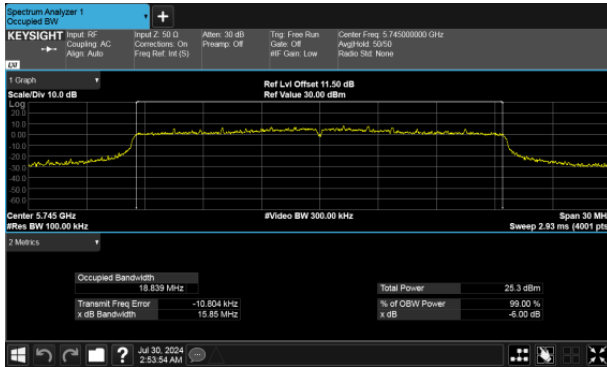


CH165

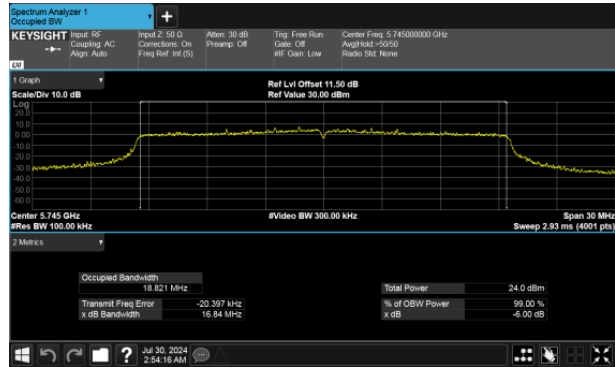




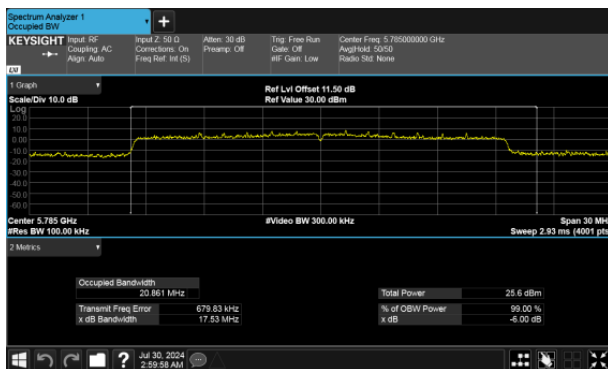
6dB Bandwidth
MIMO
ANT A
Modulation Type: 802.11ax20
CH149



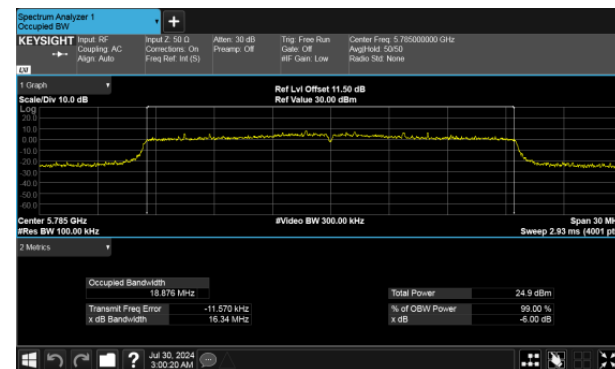
ANT B
Modulation Type: 802.11ax20
CH149



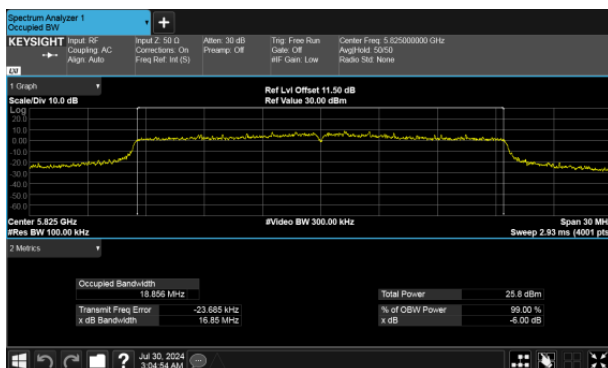
CH157



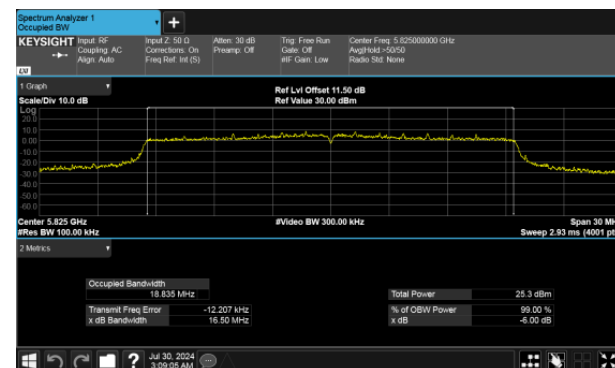
CH157



CH165

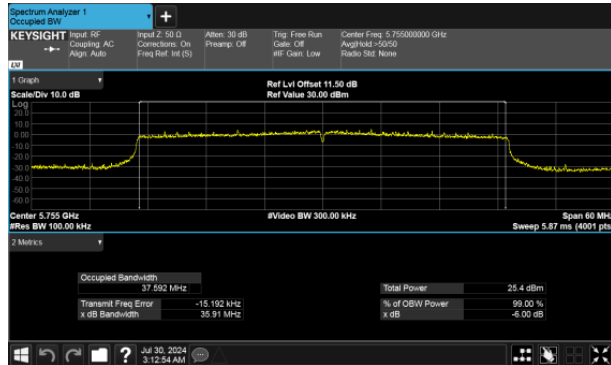


CH165

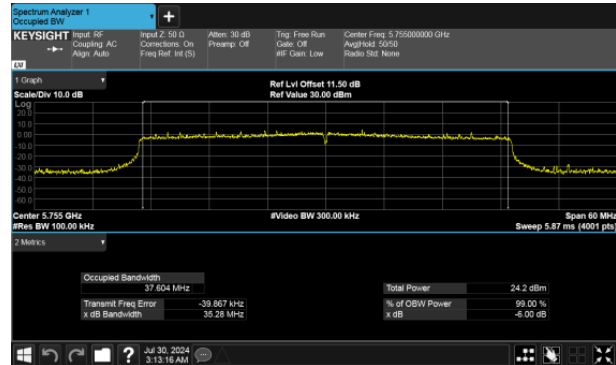




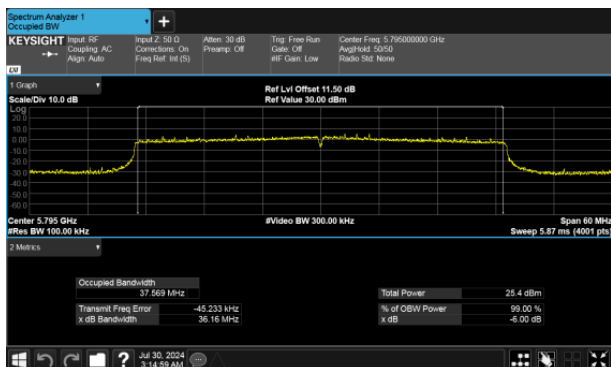
6dB Bandwidth
MIMO
ANT A
Modulation Type: 802.11ax40
CH151



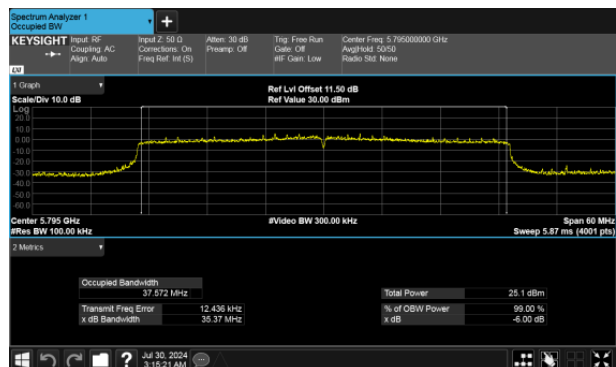
ANT B
Modulation Type: 802.11ax40
CH151



CH159



CH159





MIMO

ANT A

Modulation Type: 802.11ax80

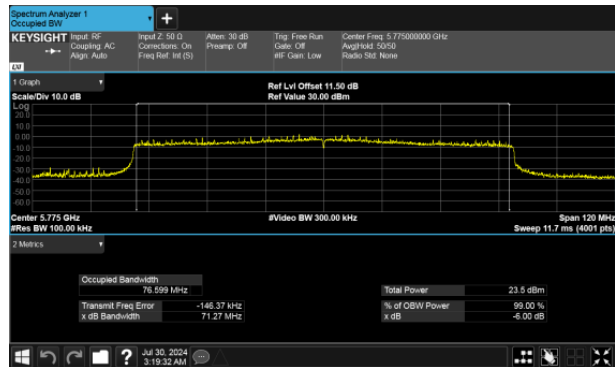
CH155



ANT B

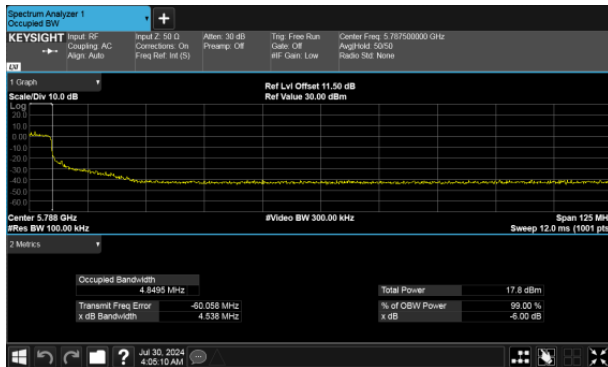
Modulation Type: 802.11ax80

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





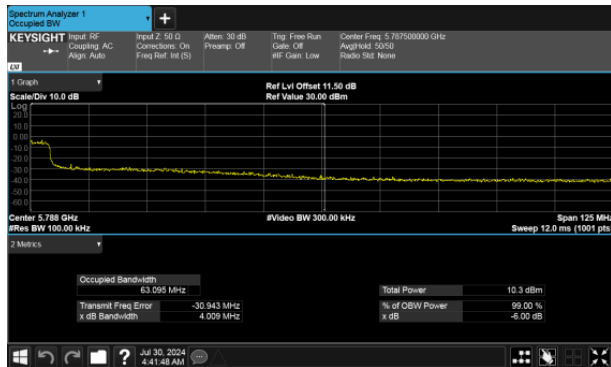
Extends across 5725MHz band

MIMO

ANT A

Modulation Type: 802.11ax80

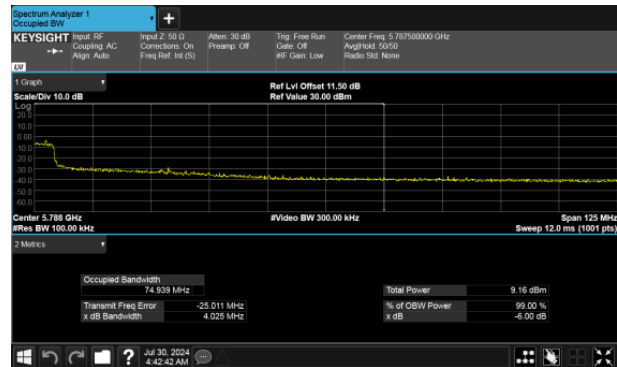
CH138



ANT B

Modulation Type: 802.11ax80

CH138

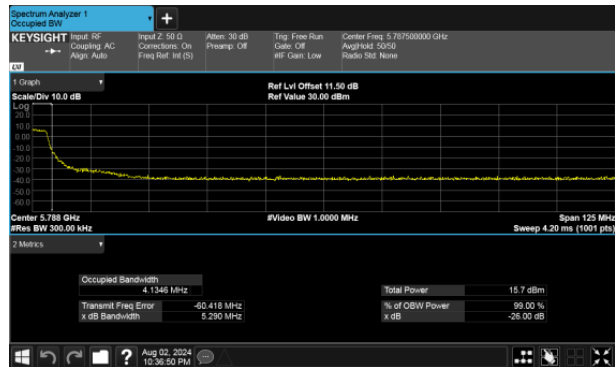




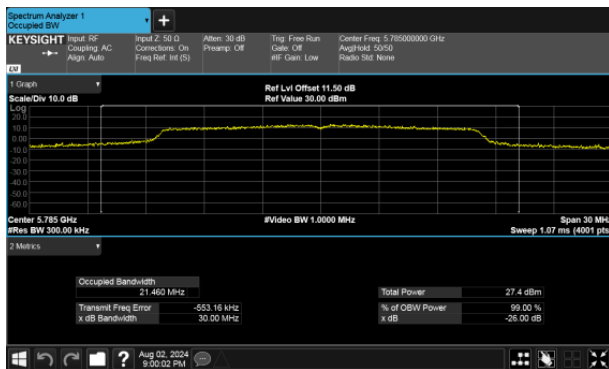
99% Occupied Bandwidth
SISO ANT B
Modulation Type: 802.11a
CH149



Extends across 5725MHz band
Modulation Type: 802.11a
CH144



CH157

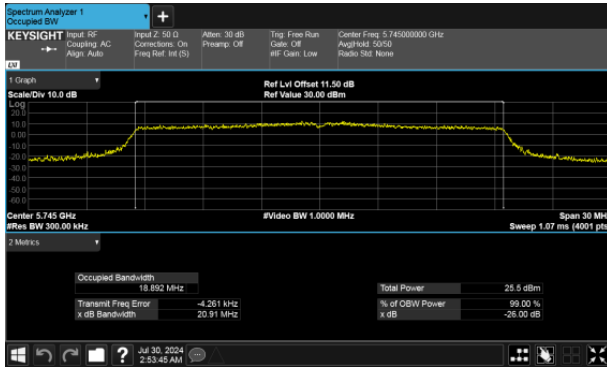


CH165

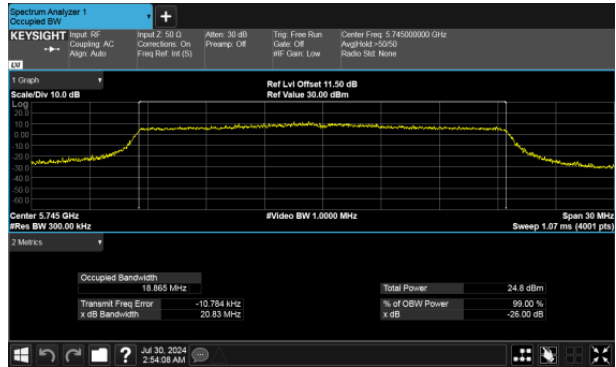




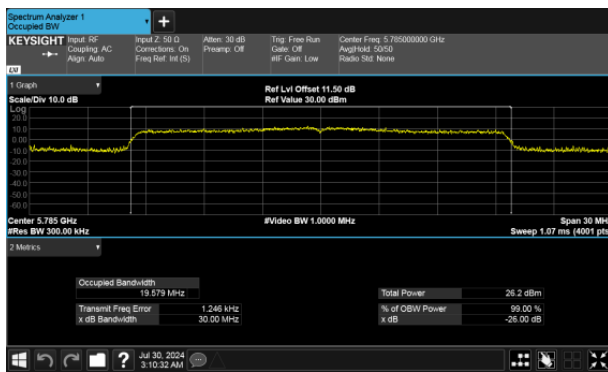
99% Occupied Bandwidth
MIMO
ANT A
Modulation Type: 802.11ax20
CH149



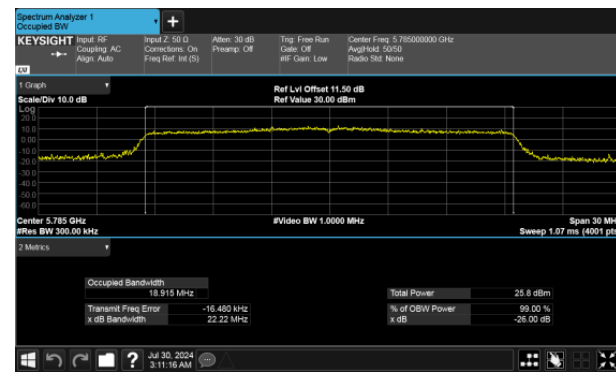
ANT B
Modulation Type: 802.11ax20
CH149



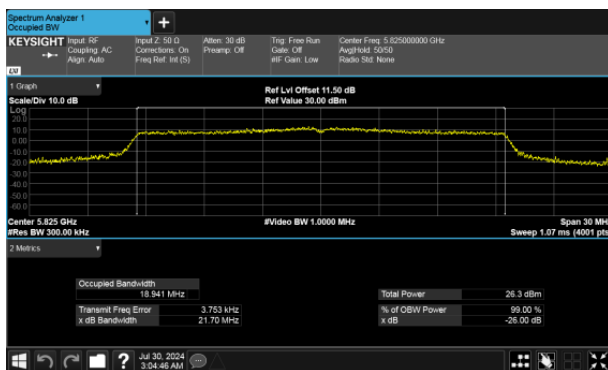
CH157



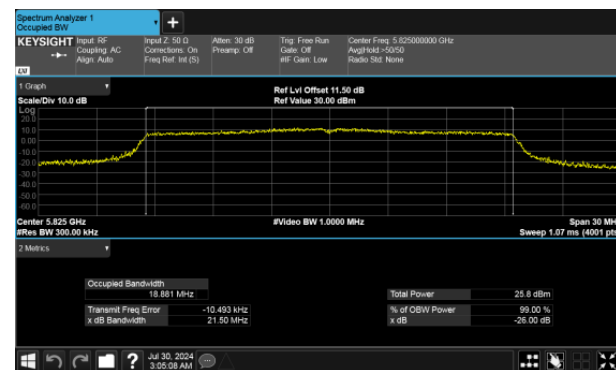
CH157



CH165

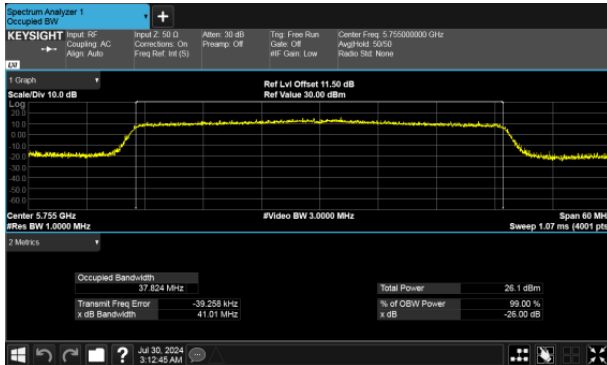


CH165

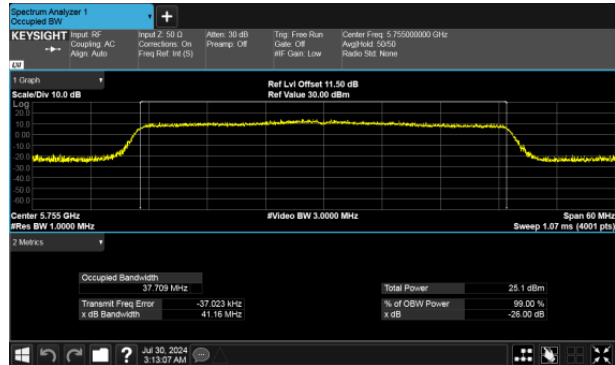




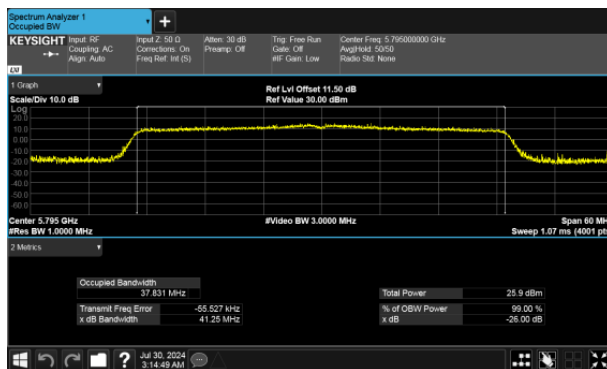
MIMO
ANT A
Modulation Type: 802.11ax40
CH151



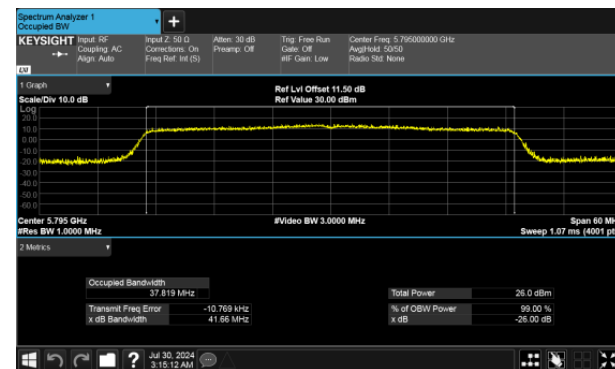
ANT B
Modulation Type: 802.11ax40
CH151



CH159

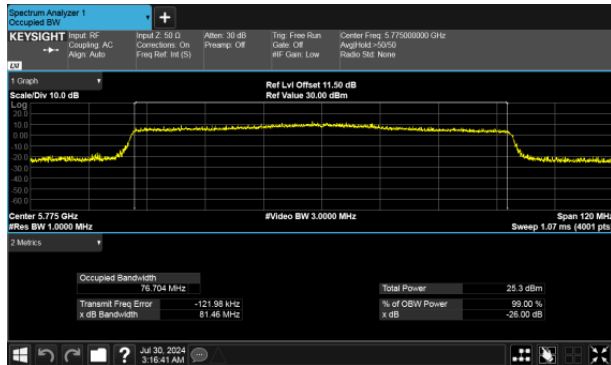


CH159

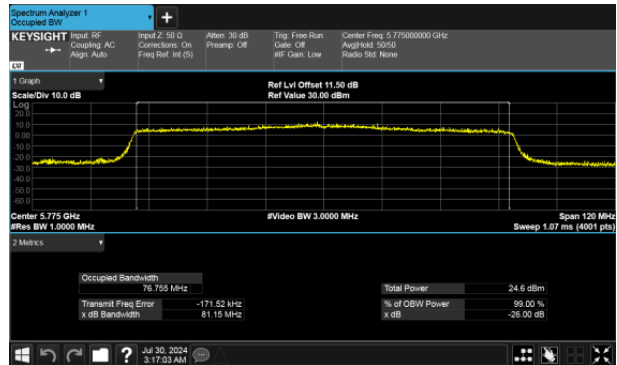




MIMO
ANT A
Modulation Type: 802.11ax80
CH155



ANT B
Modulation Type: 802.11ax80
CH155





99% Bandwidth

Extends across 5725MHz Band, Straddle Channel

Modulation Type: 802.11ax20

ANT A

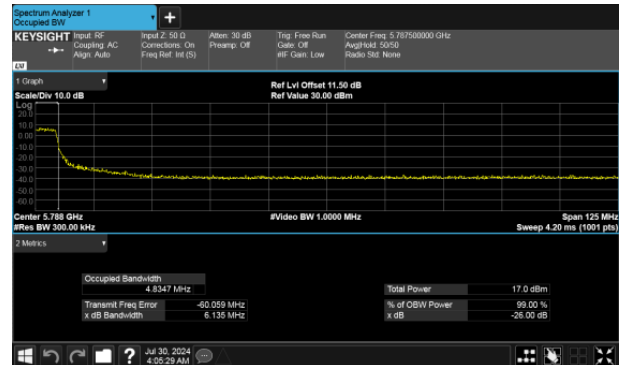
CH144



Modulation Type: 802.11ax20

ANT B

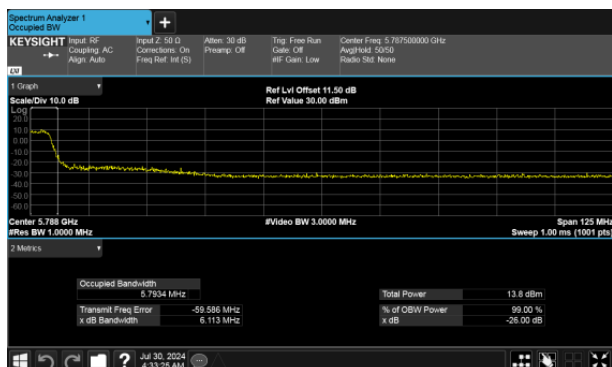
CH144



Modulation Type: 802.11ax40

ANT A

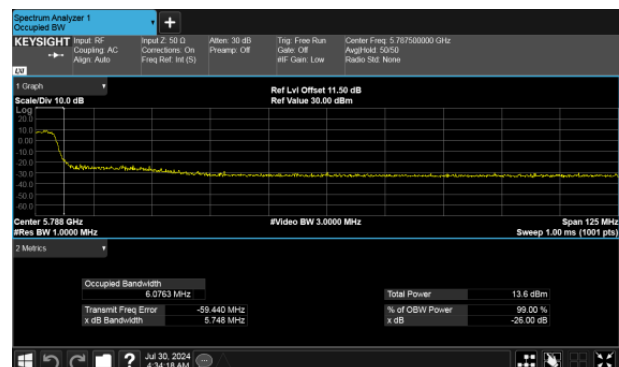
CH142



Modulation Type: 802.11ax40

ANT B

CH142





99% Bandwidth

Extends across 5725MHz Band, Straddle Channel

Modulation Type: 802.11ax80

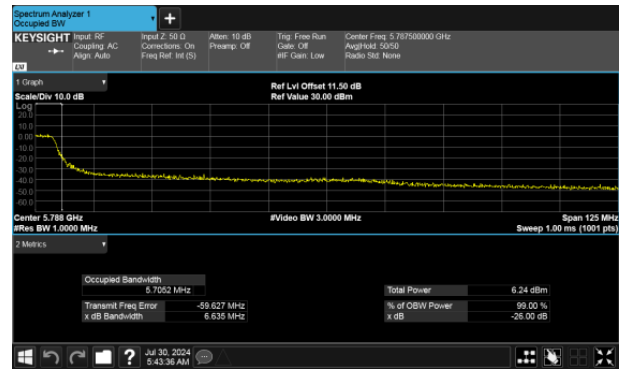
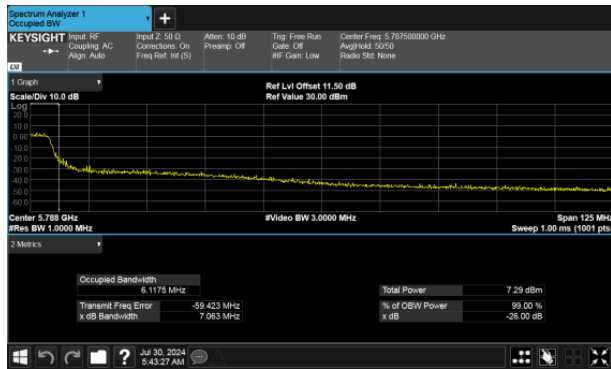
ANT A

CH138

Modulation Type: 802.11ax80

ANT B

CH138





9. 26dB Bandwidth & 99% Occupied Bandwidth

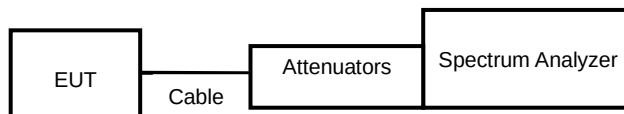
9.1. Test Limit

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



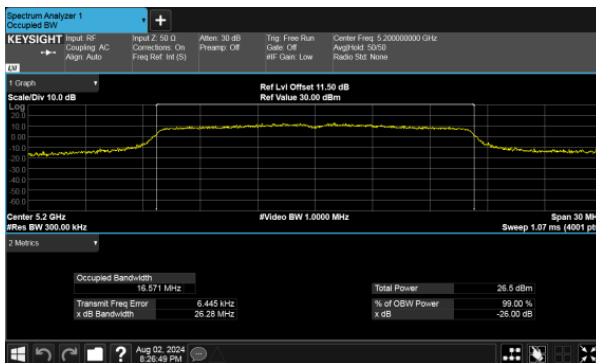
26dB Bandwidth Band 1
SISO ANT B
Modulation Type: 802.11a
CH36



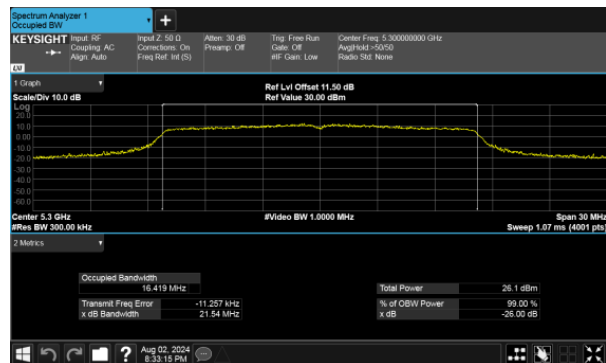
CH52



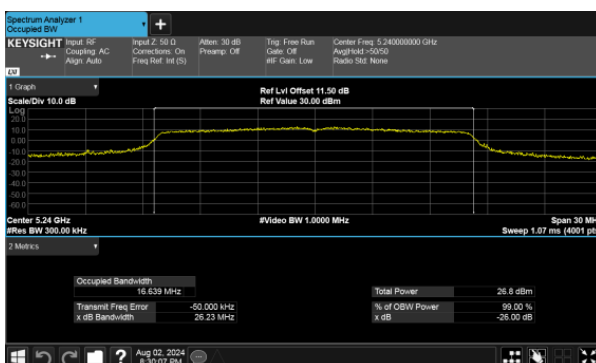
CH40



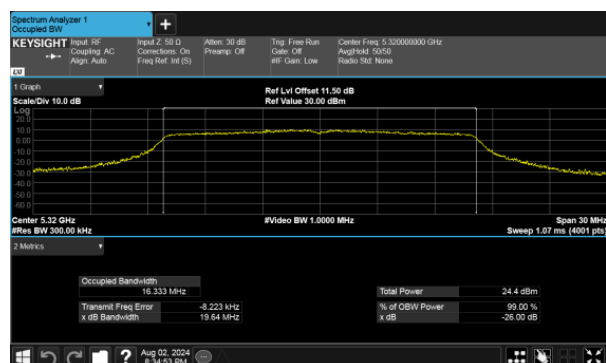
CH60



CH48



CH64

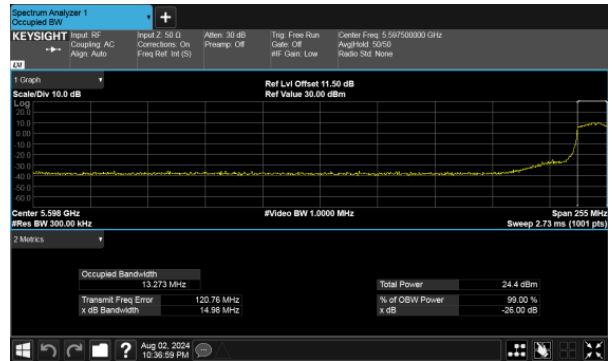




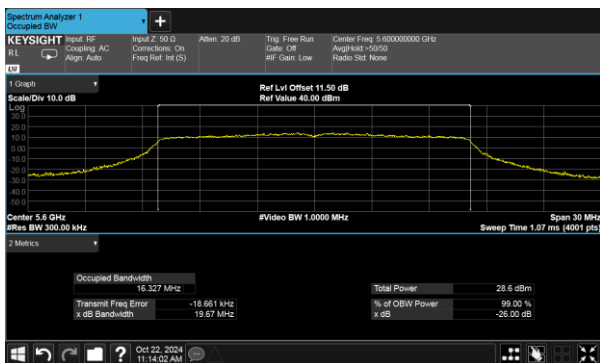
SISO ANT B
Modulation Type: 802.11a
CH100



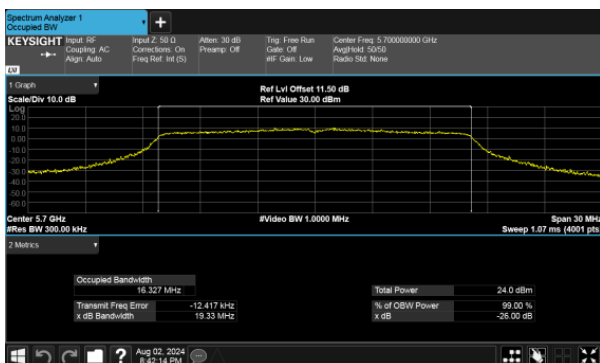
Within 5470-5725MHz band
Modulation Type: 802.11a
CH144



CH120



CH140





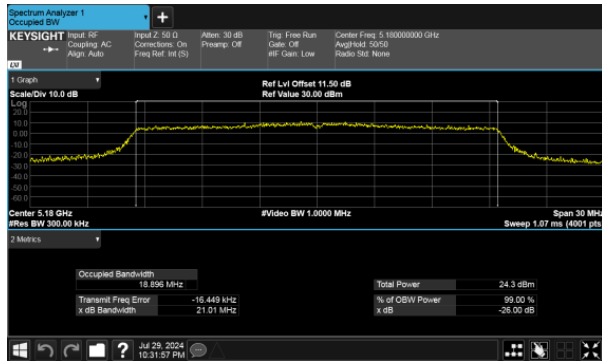
26dB Bandwidth Band 1

MIMO

ANT A

Modulation Type: 802.11ax20

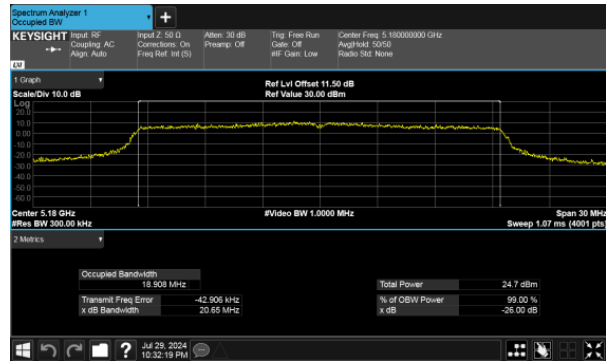
CH36



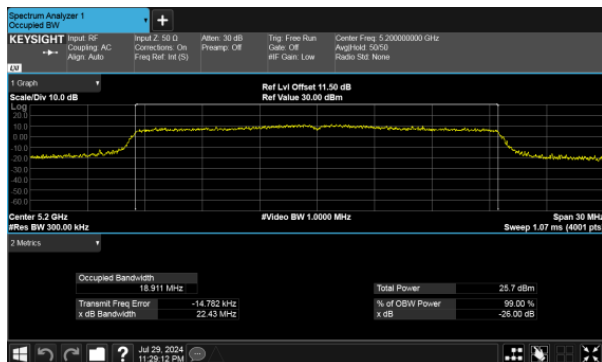
ANT B

Modulation Type: 802.11ax20

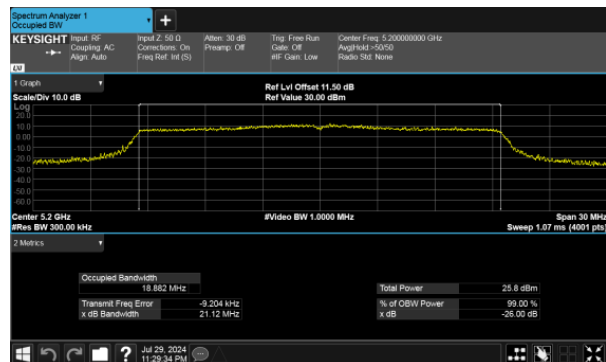
CH36



CH40



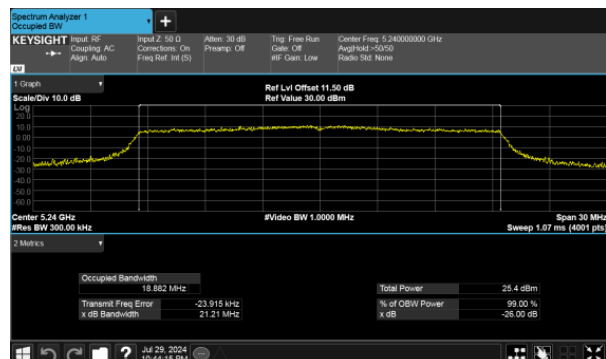
CH40



CH48

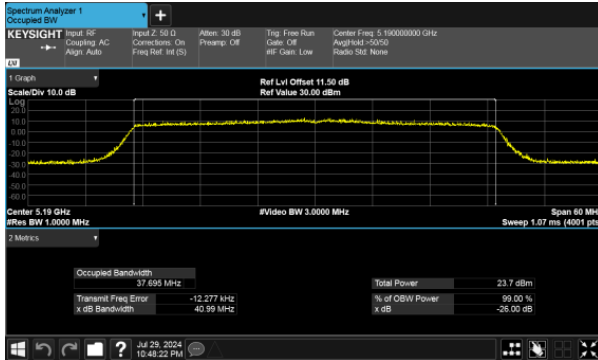


CH48

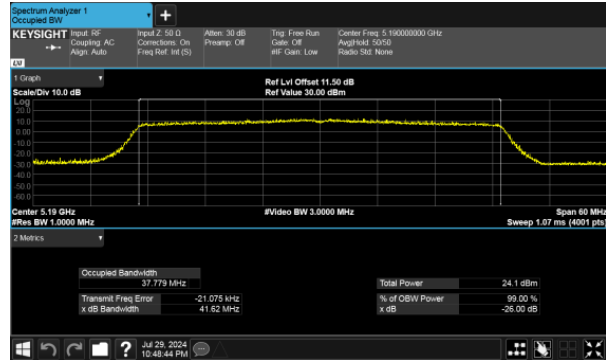




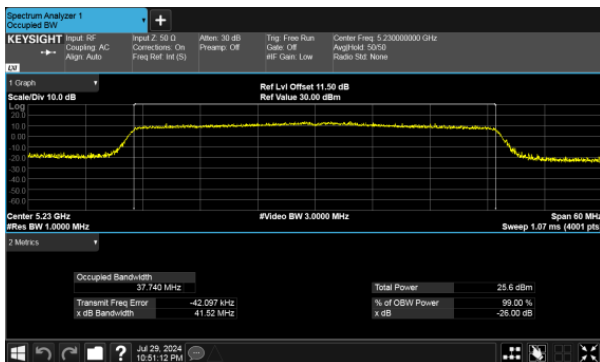
MIMO
ANT A
Modulation Type: 802.11ax40
CH38



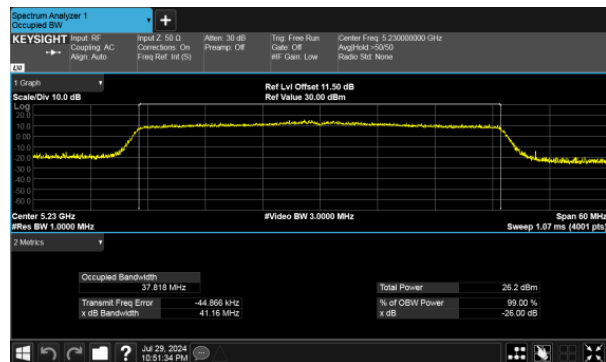
ANT B
Modulation Type: 802.11ax40
CH38



CH46



CH46





MIMO
ANT A
Modulation Type: 802.11ax80
CH42



ANT B
Modulation Type: 802.11ax80
CH42

