

**Appendix F. 26dB Bandwidth & 99% Occupied Bandwidth****1.1. Test Result and Data (26dB Bandwidth)**

For SISO-ANT A

U-NII-5

Modulation Type	Data Rate	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)
				ANT A	
11a	6 Mbps	1	5955	19.46	320.00
11a	6 Mbps	45	6175	19.54	320.00
11a	6 Mbps	93	6415	19.56	320.00

U-NII-6

Modulation Type	Data Rate	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)
				ANT A	
11a	6 Mbps	97	6435	19.53	320.00
11a	6 Mbps	105	6475	19.80	320.00
11a	6 Mbps	113	6515	19.54	320.00

U-NII-7

Modulation Type	Data Rate	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)
				ANT A	
11a	6 Mbps	117	6535	19.49	320.00
11a	6 Mbps	153	6715	19.37	320.00
11a	6 Mbps	181	6855	19.90	320.00

U-NII-8

Modulation Type	Data Rate	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)
				ANT A	
11a	6 Mbps	189	6895	19.62	320.00
11a	6 Mbps	213	7015	19.50	320.00
11a	6 Mbps	229	7095	19.80	320.00
11a	6 Mbps	233	7115	19.62	320.00



For SISO-ANT A

Maximum Conducted 26dB (Within 6525-6875MHz band)				
Modulation Type	Data Rate	Frequency (MHz)	Measured value of each antenna port (MHz)	Limit (MHz)
			ANT A	
11a	6 Mbps	6875	10.08	320.00

Maximum Conducted 26dB (Extends across 6875MHz band)				
Modulation Type	Data Rate	Frequency (MHz)	Measured value of each antenna port (MHz)	Limit (MHz)
			ANT A	
11a	6 Mbps	6875	9.84	320.00



For MIMO
U-NII-5

Modulation Type	Data Rate	Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Limit (MHz)
				ANT A	ANT B	
11ax HE20	NSS1-MCS0	1	5955	21.07	21.12	320.00
11ax HE20	NSS1-MCS0	45	6175	20.99	21.03	320.00
11ax HE20	NSS1-MCS0	93	6415	20.76	21.19	320.00
11ax HE40	NSS1-MCS0	3	5965	40.91	41.30	320.00
11ax HE40	NSS1-MCS0	43	6165	41.02	41.45	320.00
11ax HE40	NSS1-MCS0	91	6405	41.24	41.21	320.00
11ax HE80	NSS1-MCS0	7	5985	81.86	81.48	320.00
11ax HE80	NSS1-MCS0	39	6145	81.57	81.88	320.00
11ax HE80	NSS1-MCS0	87	6385	81.55	81.43	320.00
11ax HE160	NSS1-MCS0	15	6025	167.30	167.20	320.00
11ax HE160	NSS1-MCS0	47	6185	165.50	167.00	320.00
11ax HE160	NSS1-MCS0	79	6345	166.00	166.30	320.00

U-NII-6

Modulation Type	Data Rate	Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Limit (MHz)
				ANT A	ANT B	
11ax HE20	NSS1-MCS0	97	6435	21.03	20.92	320.00
11ax HE20	NSS1-MCS0	105	6475	20.99	20.78	320.00
11ax HE20	NSS1-MCS0	113	6515	20.78	21.14	320.00
11ax HE40	NSS1-MCS0	99	6445	41.19	41.61	320.00
11ax HE40	NSS1-MCS0	107	6485	41.11	41.48	320.00
11ax HE80	NSS1-MCS0	103	6465	82.33	82.47	320.00



U-NII-7

Modulation Type	Data Rate	Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Limit (MHz)
				ANT A	ANT B	
11ax HE20	NSS1-MCS0	117	6535	21.06	21.03	320.00
11ax HE20	NSS1-MCS0	153	6715	20.76	21.63	320.00
11ax HE20	NSS1-MCS0	181	6855	21.01	21.42	320.00
11ax HE40	NSS1-MCS0	123	6565	40.98	41.47	320.00
11ax HE40	NSS1-MCS0	155	6725	41.37	41.54	320.00
11ax HE40	NSS1-MCS0	179	6845	41.21	41.15	320.00
11ax HE80	NSS1-MCS0	135	6625	81.26	82.48	320.00
11ax HE80	NSS1-MCS0	151	6705	82.28	81.42	320.00
11ax HE80	NSS1-MCS0	167	6785	81.60	82.10	320.00
11ax HE160	NSS1-MCS0	143	6665	164.80	163.20	320.00

U-NII-8

Modulation Type	Data Rate	Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Limit (MHz)
				ANT A	ANT B	
11ax HE20	NSS1-MCS0	189	6895	21.04	20.88	320.00
11ax HE20	NSS1-MCS0	213	7015	21.02	20.87	320.00
11ax HE20	NSS1-MCS0	229	7095	21.60	21.37	320.00
11ax HE20	NSS1-MCS0	233	7115	21.06	21.09	320.00
11ax HE40	NSS1-MCS0	195	6925	41.44	41.50	320.00
11ax HE40	NSS1-MCS0	211	7005	41.46	41.43	320.00
11ax HE40	NSS1-MCS0	227	7085	41.37	41.71	320.00
11ax HE80	NSS1-MCS0	199	6945	81.42	81.58	320.00
11ax HE80	NSS1-MCS0	215	7025	81.30	82.30	320.00
11ax HE160	NSS1-MCS0	207	6985	165.10	164.50	320.00



For MIMO

Maximum Conducted 26dB (Within 6425-6525MHz band)					
Modulation Type	Data Rate	Frequency (MHz)	Measured value of each antenna port (MHz)		Limit (MHz)
			ANT A	ANT B	
11ax HE40	NSS1-MCS0	6525	20.70	20.53	320.00
11ax HE80	NSS1-MCS0	6545	21.75	22.10	320.00
11ax HE160	NSS1-MCS0	6505	102.40	102.50	320.00

Maximum Conducted 26dB (Extends across 6525MHz band)					
Modulation Type	Data Rate	Frequency (MHz)	Measured value of each antenna port (MHz)		Limit (MHz)
			ANT A	ANT B	
11ax HE40	NSS1-MCS0	6525	20.63	20.70	320.00
11ax HE80	NSS1-MCS0	6545	61.12	60.99	320.00
11ax HE160	NSS1-MCS0	6505	62.65	62.25	320.00

Maximum Conducted 26dB (Within 6525-6875MHz band)					
Modulation Type	Data Rate	Frequency (MHz)	Measured value of each antenna port (MHz)		Limit (MHz)
			ANT A	ANT B	
11ax HE20	NSS1-MCS0	6875	10.76	10.48	320.00
11ax HE40	NSS1-MCS0	6885	10.98	10.94	320.00
11ax HE80	NSS1-MCS0	6865	50.90	50.86	320.00
11ax HE160	NSS1-MCS0	6825	132.80	132.30	320.00

Maximum Conducted 26dB (Extends across 6875MHz band)					
Modulation Type	Data Rate	Frequency (MHz)	Measured value of each antenna port (MHz)		Limit (MHz)
			ANT A	ANT B	
11ax HE20	NSS1-MCS0	6875	10.52	10.50	320.00
11ax HE40	NSS1-MCS0	6885	30.77	30.68	320.00
11ax HE80	NSS1-MCS0	6865	31.04	31.30	320.00
11ax HE160	NSS1-MCS0	6825	34.60	34.55	320.00

**Appendix E .Test Result and Data (99% Occupied Bandwidth)**

For SISO-ANT A

U-NII-5

Modulation Type	Data Rate	Channel	Frequency (MHz)	99% Bandwidth (MHz)	Limit (MHz)
				ANT A	
11a	6 Mbps	1	5955	16.34	320.00
11a	6 Mbps	45	6175	16.34	320.00
11a	6 Mbps	93	6415	16.34	320.00

U-NII-6

Modulation Type	Data Rate	Channel	Frequency (MHz)	99% Bandwidth (MHz)	Limit (MHz)
				ANT A	
11a	6 Mbps	97	6435	16.35	320.00
11a	6 Mbps	105	6475	16.34	320.00
11a	6 Mbps	113	6515	16.35	320.00

U-NII-7

Modulation Type	Data Rate	Channel	Frequency (MHz)	99% Bandwidth (MHz)	Limit (MHz)
				ANT A	
11a	6 Mbps	117	6535	16.35	320.00
11a	6 Mbps	153	6715	16.35	320.00
11a	6 Mbps	181	6855	16.37	320.00

U-NII-8

Modulation Type	Data Rate	Channel	Frequency (MHz)	99% Bandwidth (MHz)	Limit (MHz)
				ANT A	
11a	6 Mbps	189	6895	16.37	320.00
11a	6 Mbps	213	7015	16.36	320.00
11a	6 Mbps	229	7095	16.36	320.00
11a	6 Mbps	233	7115	16.35	320.00



For SISO-ANT A

Maximum Conducted 99 %(Within 6525-6875MHz band)			
Modulation Type	Data Rate	Frequency (MHz)	Measured value of each antenna port (MHz)
			ANT A
11a	6 Mbps	6875	8.43

Maximum Conducted 99 % (Extends across 6875MHz band)			
Modulation Type	Data Rate	Frequency (MHz)	Measured value of each antenna port (MHz)
			ANT A
11a	6 Mbps	6875	8.35



For-MIMO

U-NII-5

Modulation Type	Data Rate	Channel	Frequency (MHz)	99% Bandwidth (MHz)		Limit (MHz)
				ANT A	ANT B	
11ax HE20	NSS1-MCS0	1	5955	18.89	18.88	320.00
11ax HE20	NSS1-MCS0	45	6175	18.94	18.95	320.00
11ax HE20	NSS1-MCS0	93	6415	18.86	18.89	320.00
11ax HE40	NSS1-MCS0	3	5965	37.79	37.81	320.00
11ax HE40	NSS1-MCS0	43	6165	37.88	37.89	320.00
11ax HE40	NSS1-MCS0	91	6405	37.73	37.82	320.00
11ax HE80	NSS1-MCS0	7	5985	77.13	76.91	320.00
11ax HE80	NSS1-MCS0	39	6145	76.93	77.29	320.00
11ax HE80	NSS1-MCS0	87	6385	76.83	77.02	320.00
11ax HE160	NSS1-MCS0	15	6025	155.48	155.43	320.00
11ax HE160	NSS1-MCS0	47	6185	155.66	156.15	320.00
11ax HE160	NSS1-MCS0	79	6345	155.82	156.21	320.00

U-NII-6

Modulation Type	Data Rate	Channel	Frequency (MHz)	99% Bandwidth (MHz)		Limit (MHz)
				ANT A	ANT B	
11ax HE20	NSS1-MCS0	97	6435	18.86	18.89	320.00
11ax HE20	NSS1-MCS0	105	6475	18.88	18.90	320.00
11ax HE20	NSS1-MCS0	113	6515	18.84	18.89	320.00
11ax HE40	NSS1-MCS0	99	6445	37.73	37.88	320.00
11ax HE40	NSS1-MCS0	107	6485	37.76	37.84	320.00
11ax HE80	NSS1-MCS0	103	6465	76.79	77.10	320.00



U-NII-7

Modulation Type	Data Rate	Channel	Frequency (MHz)	99% Bandwidth (MHz)		Limit (MHz)
				ANT A	ANT B	
11ax HE20	NSS1-MCS0	117	6535	18.86	18.90	320.00
11ax HE20	NSS1-MCS0	153	6715	18.90	18.94	320.00
11ax HE20	NSS1-MCS0	181	6855	18.93	18.94	320.00
11ax HE40	NSS1-MCS0	123	6565	37.76	37.81	320.00
11ax HE40	NSS1-MCS0	155	6725	37.80	37.85	320.00
11ax HE40	NSS1-MCS0	179	6845	37.82	37.89	320.00
11ax HE80	NSS1-MCS0	135	6625	76.78	76.95	320.00
11ax HE80	NSS1-MCS0	151	6705	76.85	76.91	320.00
11ax HE80	NSS1-MCS0	167	6785	76.89	77.05	320.00
11ax HE160	NSS1-MCS0	143	6665	154.88	155.00	320.00

U-NII-8

Modulation Type	Data Rate	Channel	Frequency (MHz)	99% Bandwidth (MHz)		Limit (MHz)
				ANT A	ANT B	
11ax HE20	NSS1-MCS0	189	6895	18.91	18.94	320.00
11ax HE20	NSS1-MCS0	213	7015	18.87	18.94	320.00
11ax HE20	NSS1-MCS0	229	7095	18.87	18.91	320.00
11ax HE20	NSS1-MCS0	233	7115	18.85	18.93	320.00
11ax HE40	NSS1-MCS0	195	6925	37.79	37.92	320.00
11ax HE40	NSS1-MCS0	211	7005	37.78	37.92	320.00
11ax HE40	NSS1-MCS0	227	7085	37.73	37.90	320.00
11ax HE80	NSS1-MCS0	199	6945	76.62	76.96	320.00
11ax HE80	NSS1-MCS0	215	7025	76.87	77.19	320.00
11ax HE160	NSS1-MCS0	207	6985	155.86	155.94	320.00



For-MIMO

Maximum Conducted 99 % (Within 6425-6525MHz band)					
Modulation Type	Data Rate	Frequency (MHz)	Measured value of each antenna port (MHz)		Limit (MHz)
			ANT A	ANT B	
11ax HE40	NSS1-MCS0	6525	19.06	19.01	320.00
11ax HE80	NSS1-MCS0	6545	19.18	19.19	320.00
11ax HE160	NSS1-MCS0	6505	97.85	97.61	320.00

Maximum Conducted 99 % (Extends across 6525MHz band)					
Modulation Type	Data Rate	Frequency (MHz)	Measured value of each antenna port (MHz)		Limit (MHz)
			ANT A	ANT B	
11ax HE40	NSS1-MCS0	6525	19.14	19.22	320.00
11ax HE80	NSS1-MCS0	6545	57.97	58.19	320.00
11ax HE160	NSS1-MCS0	6505	58.77	58.84	320.00

Maximum Conducted 99 % (Within 6525-6875MHz band)					
Modulation Type	Data Rate	Frequency (MHz)	Measured value of each antenna port (MHz)		Limit (MHz)
			ANT A	ANT B	
11ax HE20	NSS1-MCS0	6875	9.53	9.50	320.00
11ax HE40	NSS1-MCS0	6885	9.57	9.45	320.00
11ax HE80	NSS1-MCS0	6865	48.60	48.50	320.00
11ax HE160	NSS1-MCS0	6825	127.07	127.01	320.00

Maximum Conducted 99 % (Extends across 6875MHz band)					
Modulation Type	Data Rate	Frequency (MHz)	Measured value of each antenna port (MHz)		Limit (MHz)
			ANT A	ANT B	
11ax HE20	NSS1-MCS0	6875	9.56	9.53	320.00
11ax HE40	NSS1-MCS0	6885	28.73	28.85	320.00
11ax HE80	NSS1-MCS0	6865	29.02	29.07	320.00
11ax HE160	NSS1-MCS0	6825	29.76	31.56	320.00



26dB Bandwidth U-NII-5

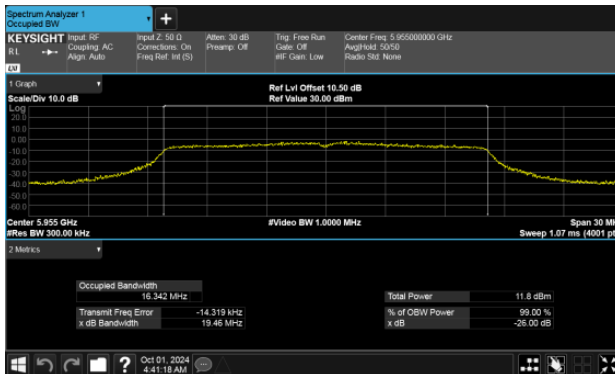
U-NII-5

SISO

ANT A

Modulation Type: 802.11a (6Mbps)

CH01



U-NII-6

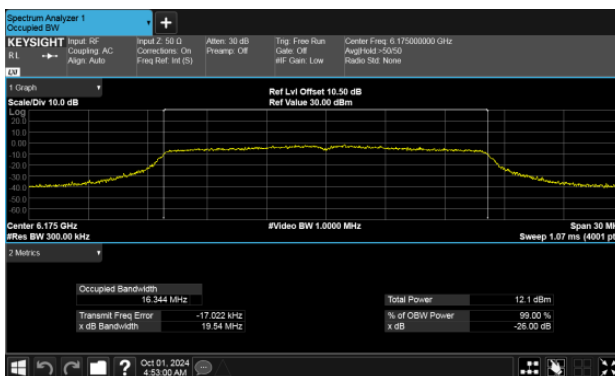
ANT A

Modulation Type: 802.11a (6Mbps)

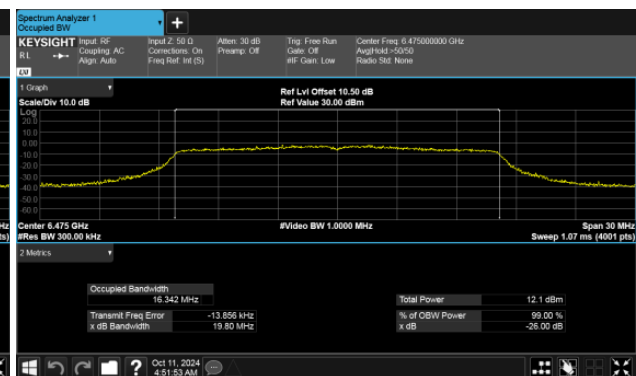
CH97



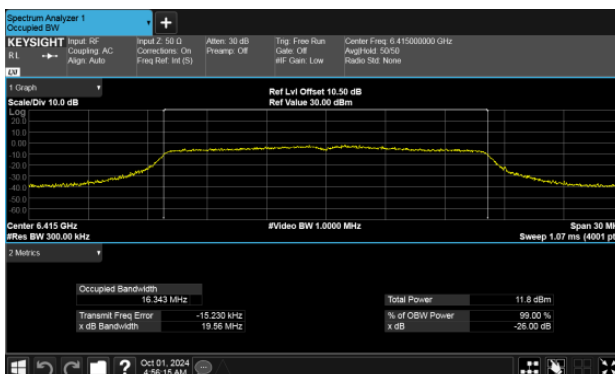
CH45



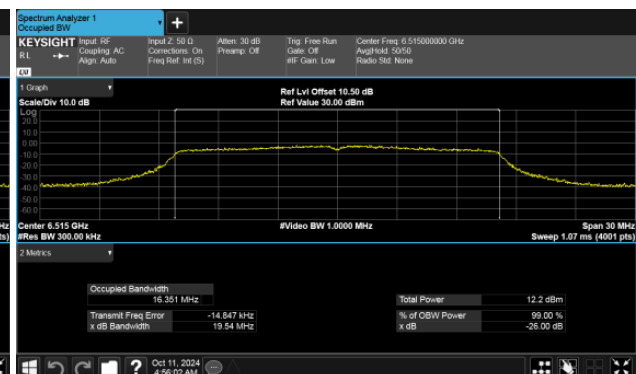
CH105



CH93



CH113





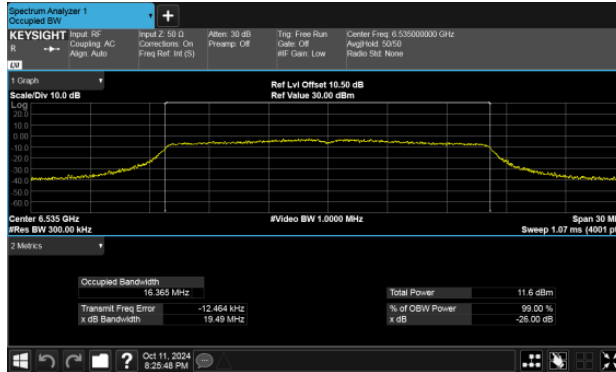
U-NII-7

SISO

ANT A

Modulation Type: 802.11a (6Mbps)

CH117

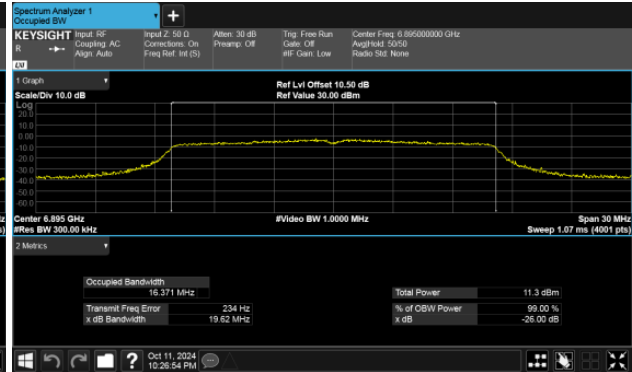


U-NII-8

ANT A

Modulation Type: 802.11a (6Mbps)

CH189



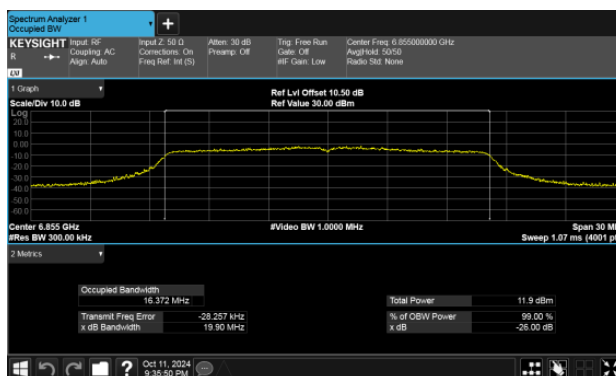
CH153



CH213



CH181



CH229





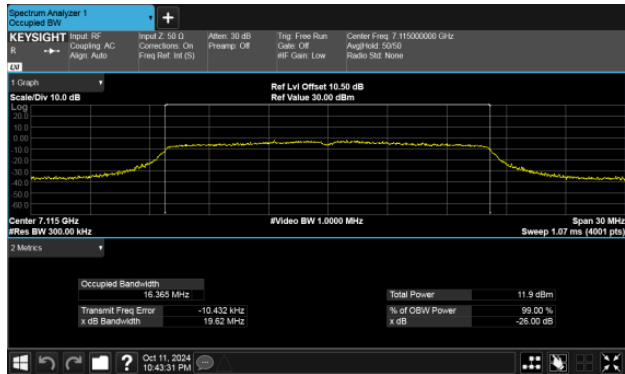
U-NII-8

SISO

ANT A

Modulation Type: 802.11a (6Mbps)

CH233





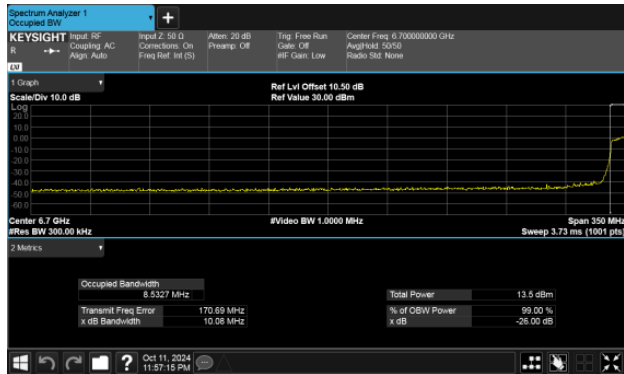
Straddle Channel

Within 6525-6875MHz band

ANT A

Modulation Type: 802.11a (6Mbps)

CH185



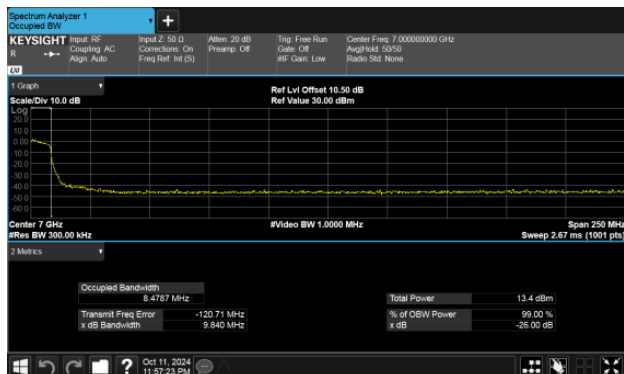
Straddle Channel

Extends across 6875MHz band

ANT A

Modulation Type: 802.11a (6Mbps)

CH185





26dB Bandwidth U-NII-5

MIMO

ANT A

Modulation Type: 802.11ax HE20 (7.3Mbps)

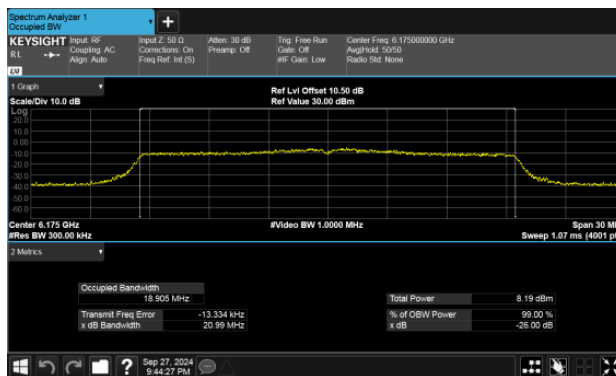
CH01

Modulation Type: 802.11ax HE40 (14.6Mbps)

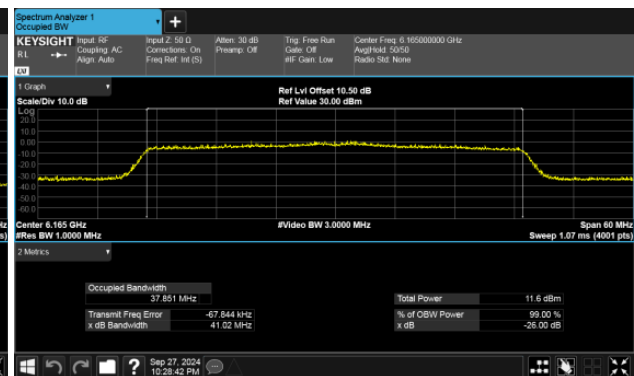
CH03



CH45



CH43



CH93



CH91

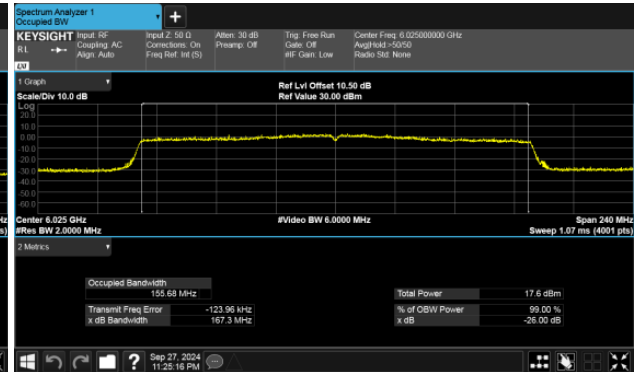




26dB Bandwidth U-NII-5

MIMO

ANT A

Modulation Type: 802.11ax HE80 (30.6Mbps)
CH07Modulation Type: 802.11ax HE160 (61.3Mbps)
CH15

CH39



CH47



CH87



CH79





26dB Bandwidth U-NII-5

MIMO

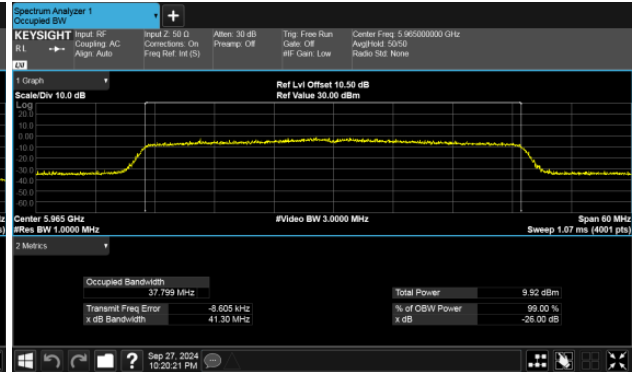
ANT B

Modulation Type: 802.11ax HE20 (7.3Mbps)

CH01

Modulation Type: 802.11ax HE40 (14.6Mbps)

CH03



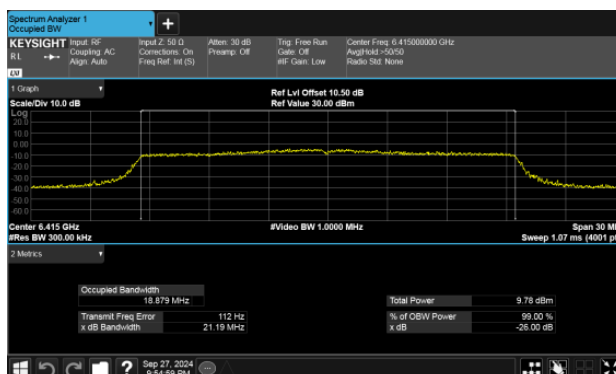
CH45



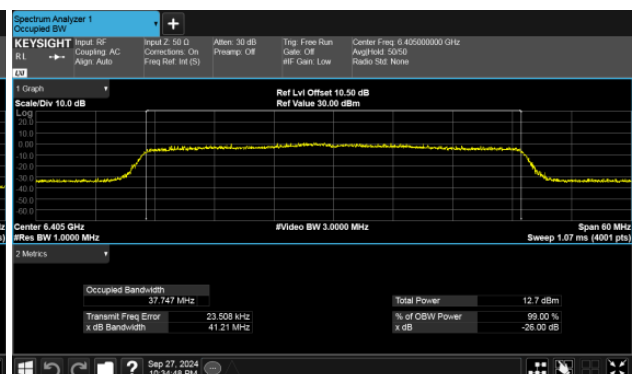
CH43



CH93



CH91

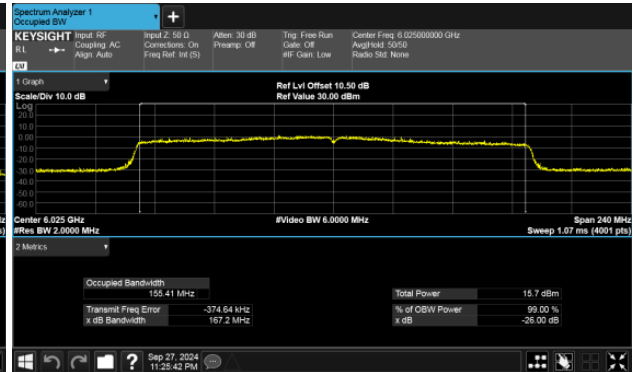




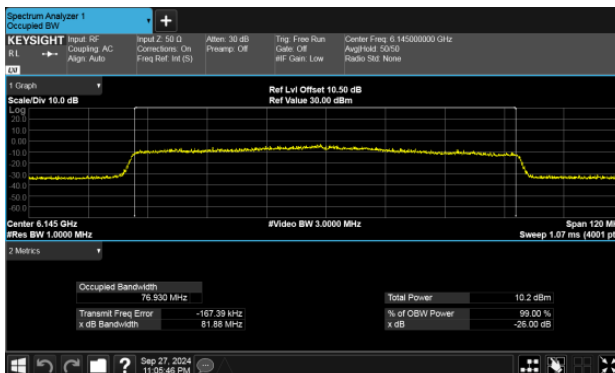
26dB Bandwidth U-NII-5

MIMO

ANT B

Modulation Type: 802.11ax HE80 (30.6Mbps)
CH07Modulation Type: 802.11ax HE160 (61.3Mbps)
CH15

CH39



CH47



CH87



CH79





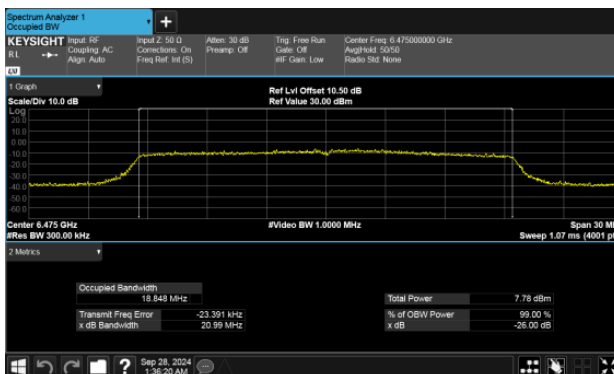
26dB Bandwidth U-NII-6

MIMO

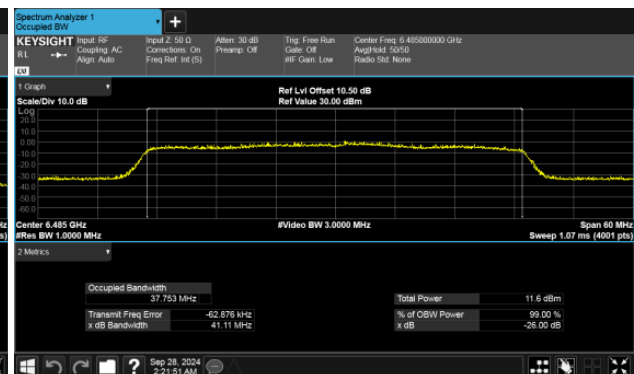
ANT A

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH97Modulation Type: 802.11ax HE40 (14.6Mbps)
CH99

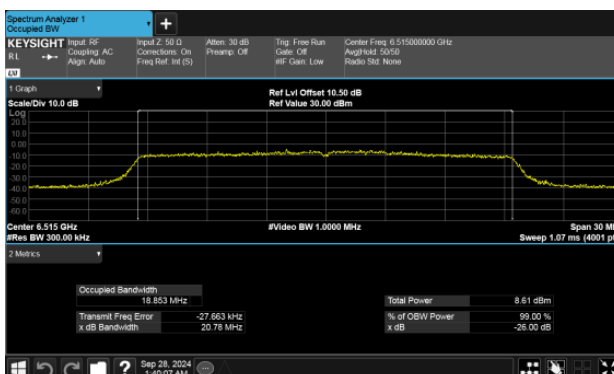
CH105



CH107



CH113





26dB Bandwidth U-NII-6

MIMO

ANT A

Modulation Type: 802.11ax HE80 (30.6Mbps)

CH103





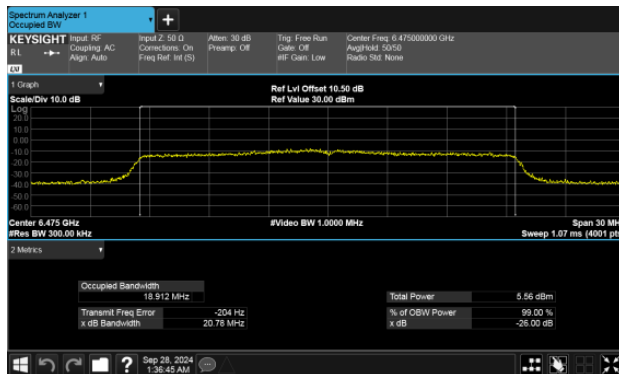
26dB Bandwidth U-NII-6

MIMO

ANT B

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH97Modulation Type: 802.11ax HE40 (14.6Mbps)
CH99

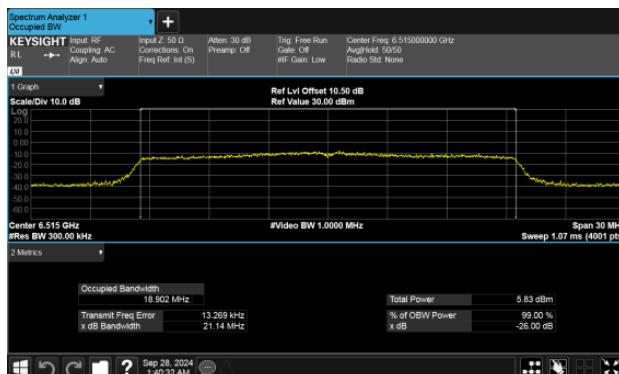
CH105



CH107



CH113





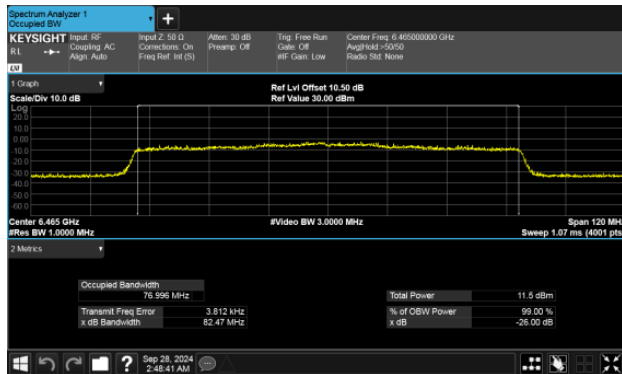
26dB Bandwidth U-NII-6

MIMO

ANT B

Modulation Type: 802.11ax HE80 (30.6Mbps)

CH103

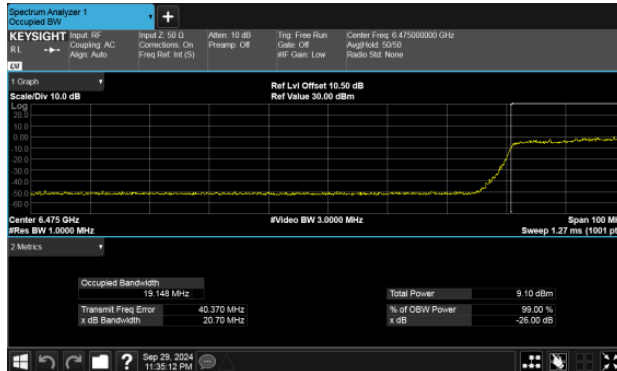




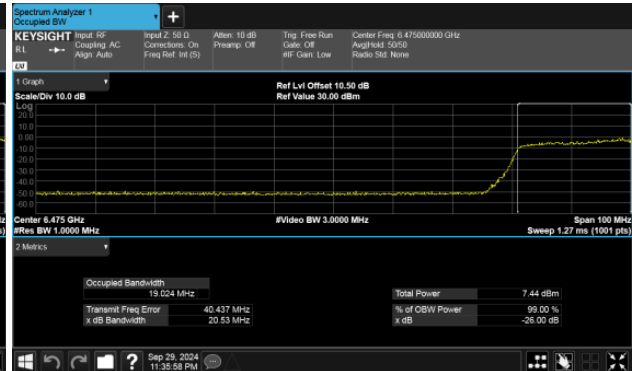
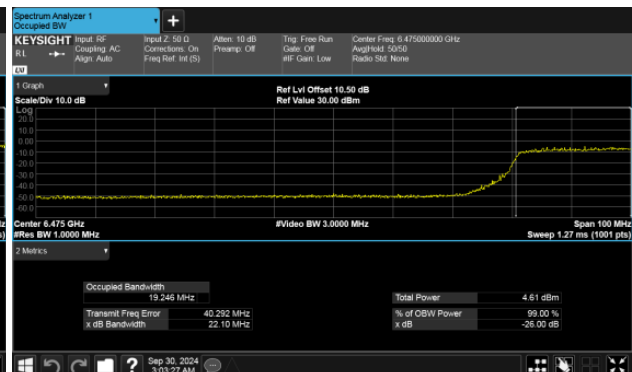
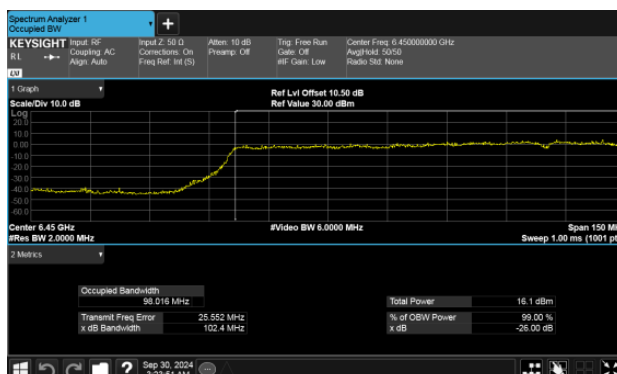
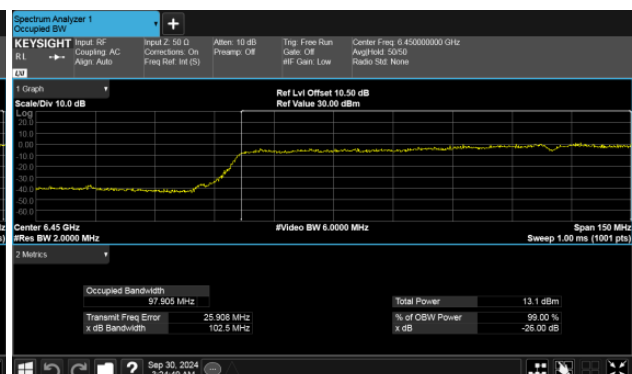
26dB Bandwidth Within 6425-6525MHz band

MIMO

ANT A

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH115

ANT B

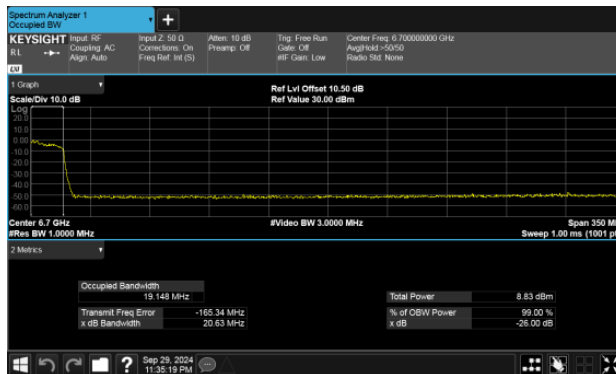
Modulation Type: 802.11ax HE40 (14.6Mbps)
CH115Modulation Type: 802.11ax HE80 (30.6Mbps)
CH119Modulation Type: 802.11ax HE80 (30.6Mbps)
CH119Modulation Type: 802.11ax HE160 (61.3Mbps)
CH111Modulation Type: 802.11ax HE160 (61.3Mbps)
CH111



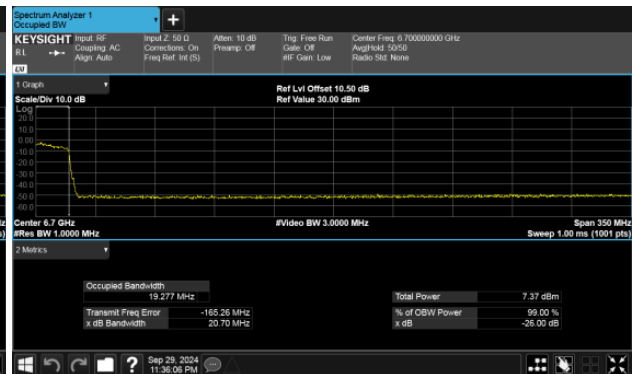
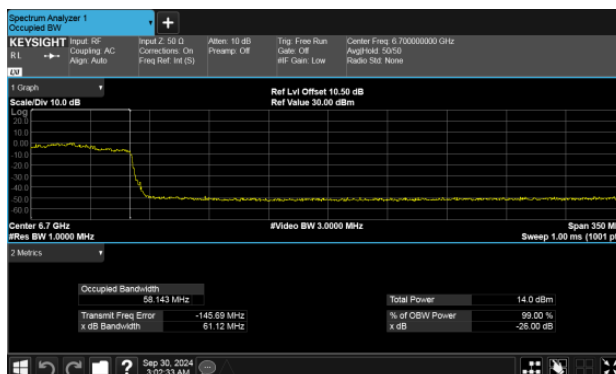
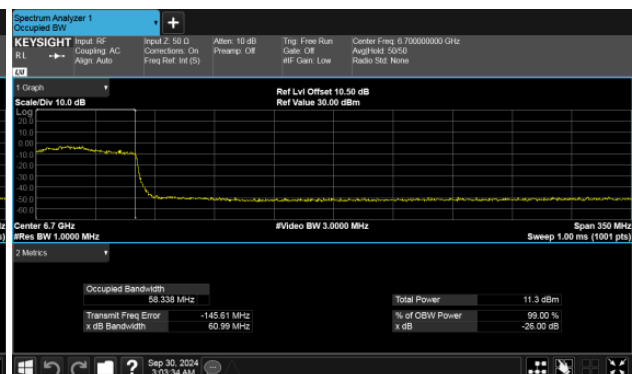
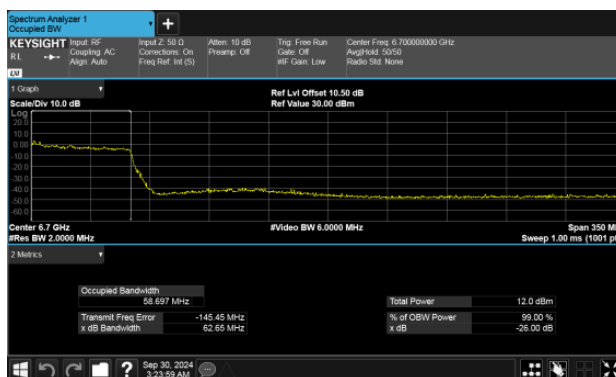
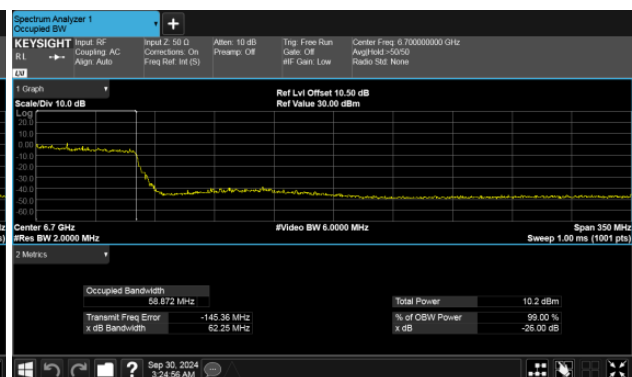
26dB Bandwidth Extends across 6525MHz band

MIMO

ANT A

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH115

ANT B

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH115Modulation Type: 802.11ax HE80 (30.6Mbps)
CH119Modulation Type: 802.11ax HE80 (30.6Mbps)
CH119Modulation Type: 802.11ax HE160 (61.3Mbps)
CH111Modulation Type: 802.11ax HE160 (61.3Mbps)
CH111



26dB Bandwidth U-NII-7

MIMO

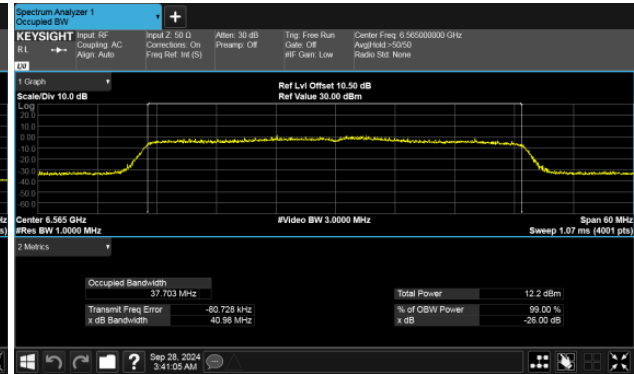
ANT A

Modulation Type: 802.11ax HE20 (7.3Mbps)

CH117

Modulation Type: 802.11ax HE40 (14.6Mbps)

CH123



CH153



CH155



CH181



CH179





26dB Bandwidth U-NII-7

MIMO

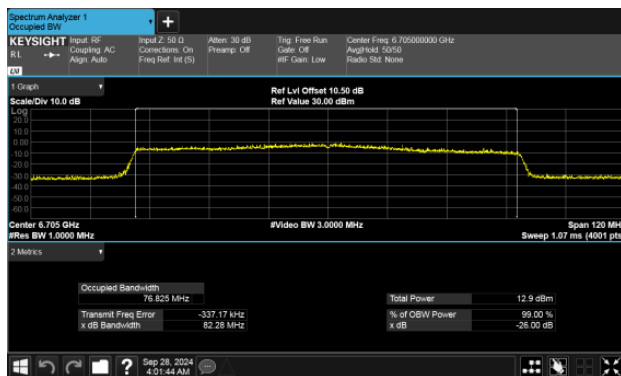
ANT A

Modulation Type: 802.11ax HE80 (30.6Mbps)

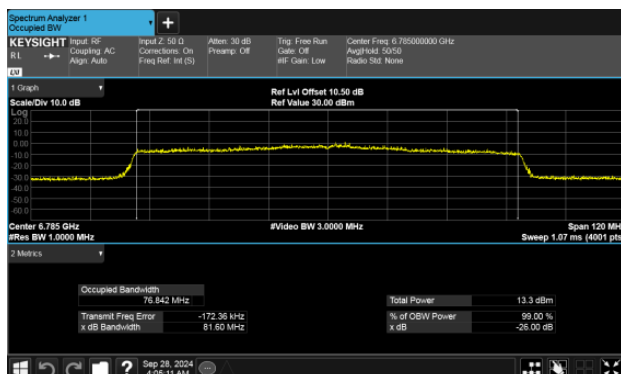
CH135

Modulation Type: 802.11ax HE160 (61.3Mbps)
CH143

CH151



CH167





26dB Bandwidth U-NII-7

MIMO

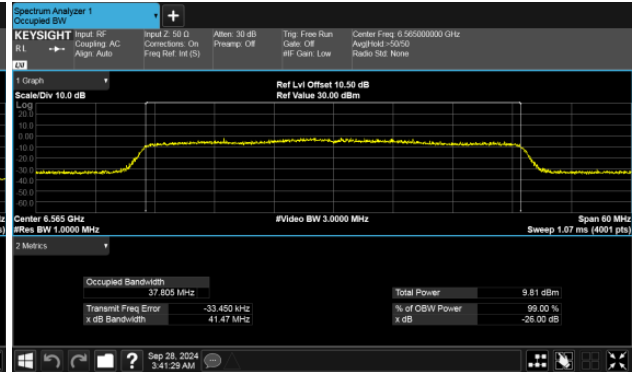
ANT B

Modulation Type: 802.11ax HE20 (7.3Mbps)

CH117

Modulation Type: 802.11ax HE40 (14.6Mbps)

CH123



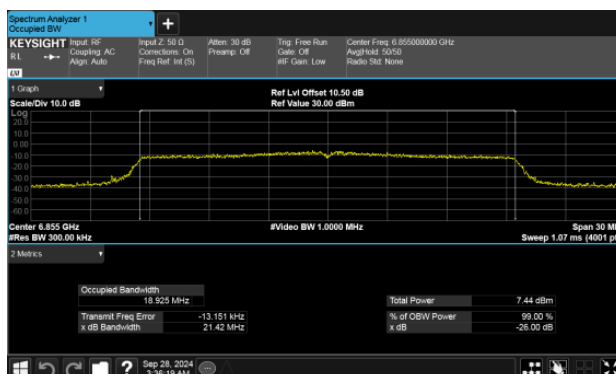
CH153



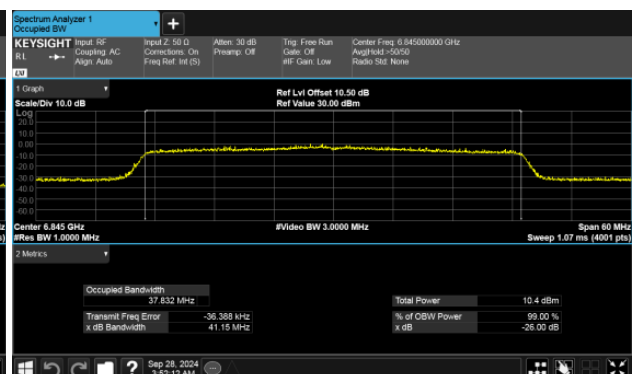
CH155



CH181



CH179





26dB Bandwidth U-NII-7

MIMO

ANT B

Modulation Type: 802.11ax HE80 (30.6Mbps)

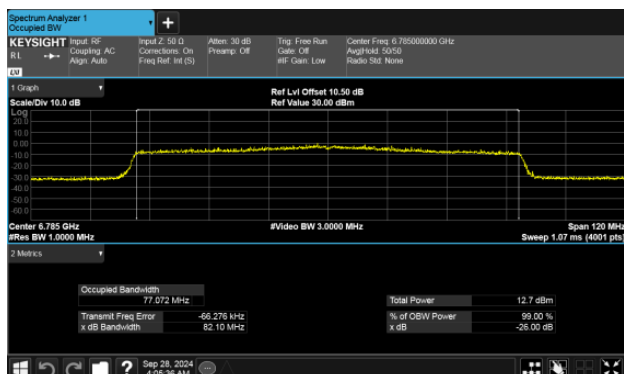
CH135

Modulation Type: 802.11ax HE160 (61.3Mbps)
CH143

CH151



CH167





26dB Bandwidth Within 6525-6875MHz band

MIMO

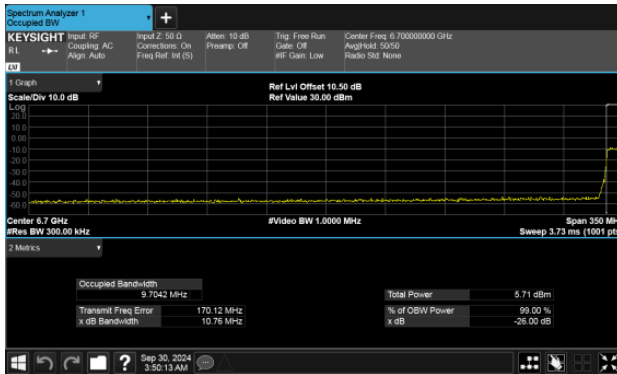
ANT A

Modulation Type: 802.11ax HE20 (7.3Mbps)

CH185

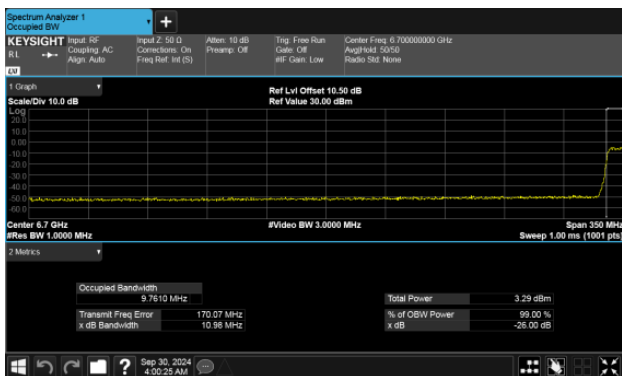
Modulation Type: 802.11ax HE160 (61.3Mbps)

CH175



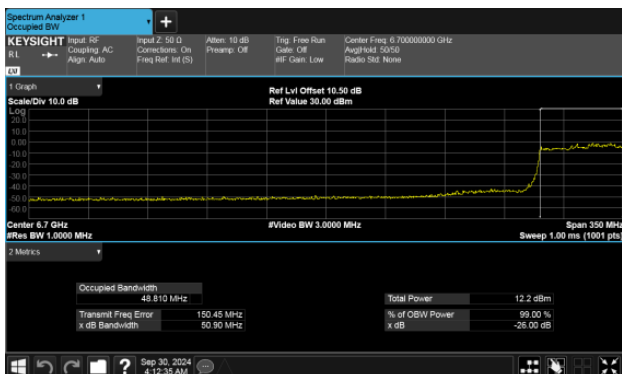
Modulation Type: 802.11ax HE40 (14.6Mbps)

CH187



Modulation Type: 802.11ax HE80 (30.6Mbps)

CH183





26dB Bandwidth Within 6525-6875MHz band

MIMO

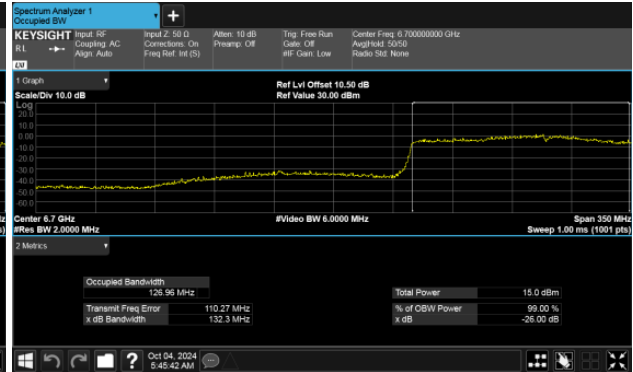
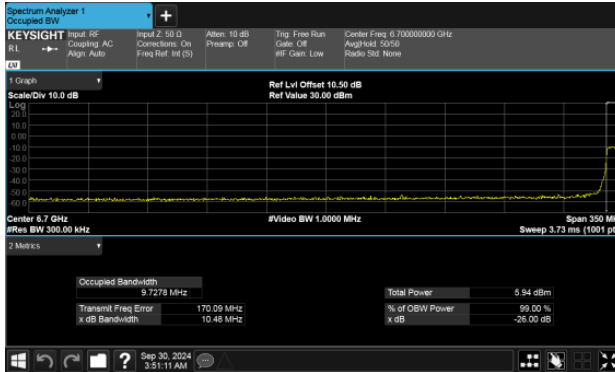
ANT B

Modulation Type: 802.11ax HE20 (7.3Mbps)

CH185

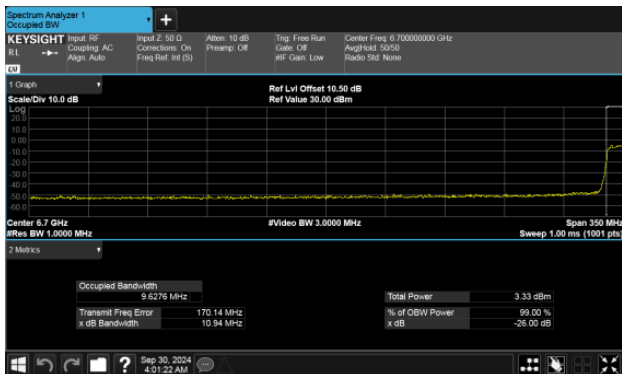
Modulation Type: 802.11ax HE160 (61.3Mbps)

CH175



Modulation Type: 802.11ax HE40 (14.6Mbps)

CH187



Modulation Type: 802.11ax HE80 (30.6Mbps)

CH183

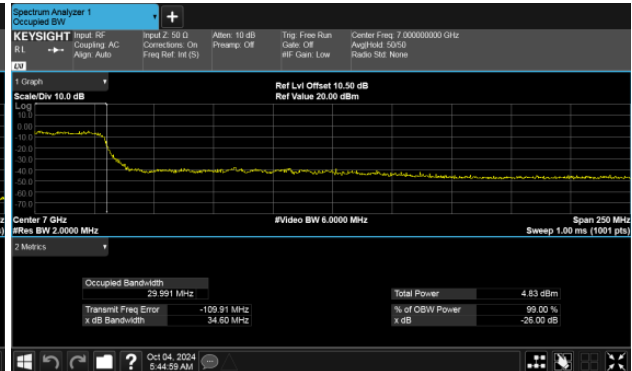
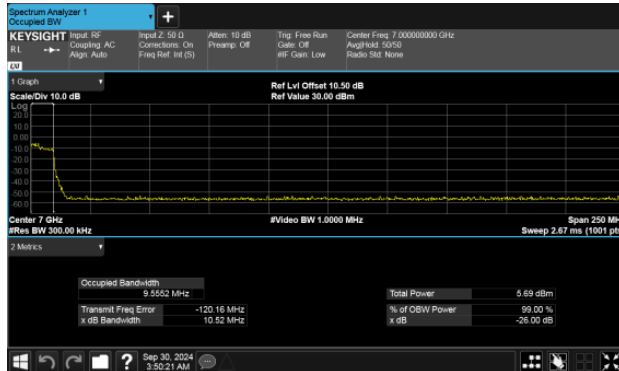
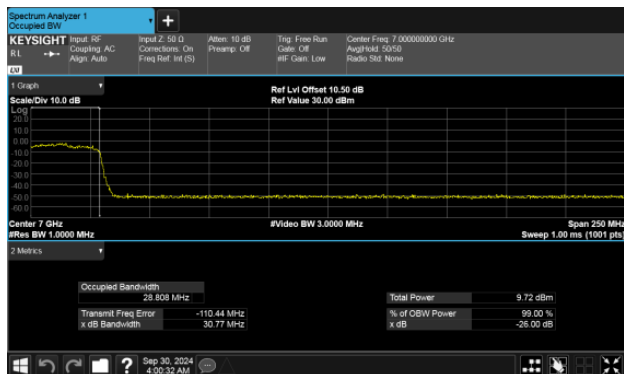




26dB Bandwidth Extends across 6875MHz band

MIMO

ANT A

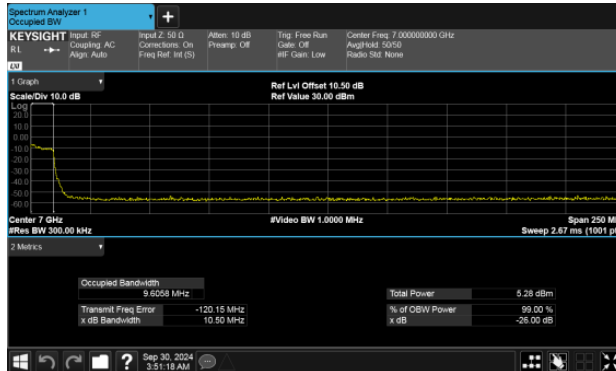
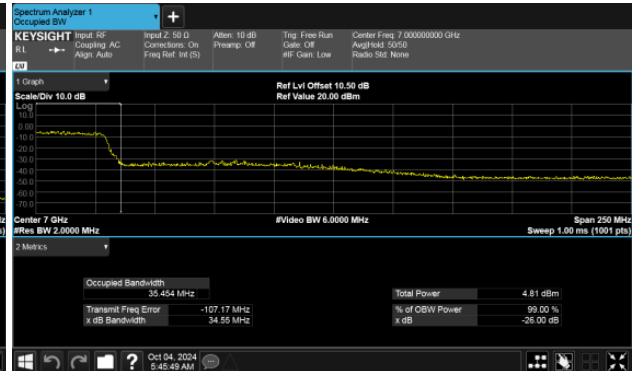
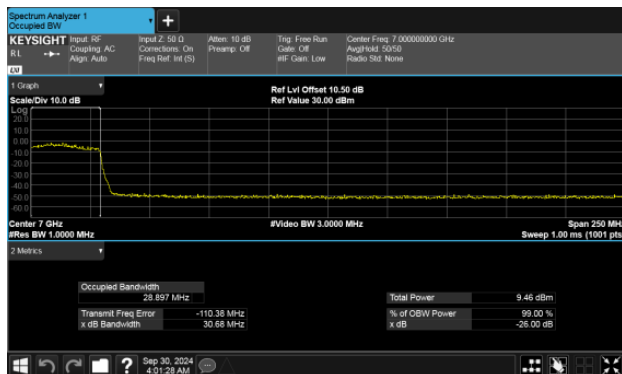
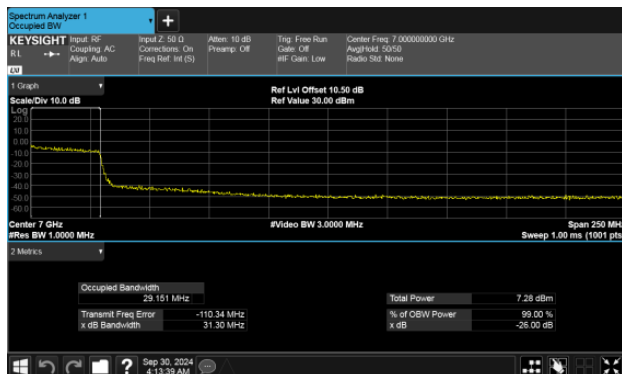
Modulation Type: 802.11ax HE20 (7.3Mbps)
CH185Modulation Type: 802.11ax HE160 (61.3Mbps)
CH175Modulation Type: 802.11ax HE40 (14.6Mbps)
CH187Modulation Type: 802.11ax HE80 (30.6Mbps)
CH183



26dB Bandwidth Extends across 6875MHz band

MIMO

ANT B

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH185Modulation Type: 802.11ax HE160 (61.3Mbps)
CH175Modulation Type: 802.11ax HE40 (14.6Mbps)
CH187Modulation Type: 802.11ax HE80 (30.6Mbps)
CH183



26dB Bandwidth U-NII-8

MIMO

ANT A

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH189Modulation Type: 802.11ax HE20 (7.3Mbps)
CH233

CH213



CH229

