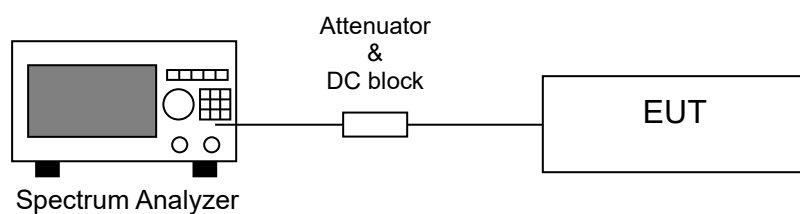


4.3 Test procedure

1. The transmitter output was connected to the spectrum analyzer.
2. Test was performed in accordance with section C&D of KDB 789033 D02 v02r01
3. For the 5.725-5.85 GHz, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

4.4 Test diagram



TEST REPORT

4.5 Test results

Temperature (°C) :	26
Relative Humidity (%) :	70
Test date :	2025/05/26 ~ 2025/07/18

SISO

Mode	Channel	Frequency (MHz)	99% Bandwidth (MHz)	Upper Frequency (MHz)	Upper Limit (MHz)	Lower Frequency (MHz)	Lower Limit (MHz)
802.11a	36	5180	16.56				
	44	5220	16.46				
	48	5240	16.52	5248.40	5250		
	52	5260	16.47				
	60	5300	16.46				
	64	5320	16.48				
	100	5500	16.51				
	116	5580	16.52				
	140	5700	16.53				
	149	5745	16.51			5736.8	5725
	157	5785	16.47				
	165	5825	16.44				
802.11ac (VHT20)	36	5180	17.67				
	44	5220	17.66				
	48	5240	17.60	5248.96	5250		
	52	5260	17.65				
	60	5300	17.68				
	64	5320	17.67				
	100	5500	17.63				
	116	5580	17.67				
	140	5700	17.71				
	149	5745	17.69			5736.16	5725
	157	5785	17.64				
	165	5825	17.67				

TEST REPORT

Mode	Channel	Frequency (MHz)	99% Bandwidth (MHz)	Upper Frequency (MHz)	Upper Limit (MHz)	Lower Frequency (MHz)	Lower Limit (MHz)
802.11ac (VHT40)	38	5190	36.20				
	46	5230	36.18	5248.24	5250		
	54	5270	36.22				
	62	5310	36.14				
	102	5510	36.18				
	110	5550	36.17				
	134	5670	36.31				
	151	5755	36.21			5736.92	5725
	159	5795	36.25				
802.11ac (VHT80)	42	5210	75.91	5248.24	5250		
	58	5290	75.80				
	106	5530	75.82				
	155	5775	76.15			5736.52	5725
802.11ax (HE20)	36	5180	18.92				
	44	5220	18.96				
	48	5240	18.95	5249.64	5250		
	52	5260	18.95				
	60	5300	18.92				
	64	5320	18.92				
	100	5500	18.95				
	116	5580	18.96				
	140	5700	18.95				
	149	5745	18.89			5735.52	5725
	157	5785	18.91				
	165	5825	18.88				
802.11ax (HE40)	38	5190	37.87				
	46	5230	37.84	5249.12	5250		
	54	5270	37.88				
	62	5310	37.85				
	102	5510	37.77				
	110	5550	37.91				
	134	5670	37.87				
	151	5755	37.83			5735.88	5725
	159	5795	37.83				

Mode	Channel	Frequency (MHz)	99% Bandwidth (MHz)	Upper Frequency (MHz)	Upper Limit (MHz)	Lower Frequency (MHz)	Lower Limit (MHz)
802.11ax (HE80)	42	5210	77.05	5248.88	5250		
	58	5290	77.01				
	106	5530	76.91				
	155	5775	77.38			5735.72	5725

SISO

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
802.11a	36	5180	18.32
	44	5220	18.48
	48	5240	18.64
	52	5260	18.20
	60	5300	18.36
	64	5320	18.44
	100	5500	18.52
	116	5580	18.76
	140	5700	18.44
	149	5745	18.44
	157	5785	18.28
	165	5825	18.20
802.11ac (VHT20)	36	5180	19.32
	44	5220	19.28
	48	5240	19.32
	52	5260	19.32
	60	5300	19.48
	64	5320	19.32
	100	5500	19.36
	116	5580	19.32
	140	5700	19.28
	149	5745	19.52
	157	5785	19.28
	165	5825	19.52
802.11ac (VHT40)	38	5190	38.64
	46	5230	38.80
	54	5270	39.12
	62	5310	38.56
	102	5510	38.64
	110	5550	38.72
	134	5670	38.88
	151	5755	38.56
	159	5795	38.96

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
802.11ac (VHT80)	42	5210	79.36
	58	5290	79.52
	106	5530	79.04
	155	5775	79.84
802.11ax (HE20)	36	5180	20.12
	44	5220	20.12
	48	5240	20.20
	52	5260	20.16
	60	5300	20.20
	64	5320	20.36
	100	5500	20.00
	116	5580	20.04
	140	5700	20.04
	149	5745	20.20
	157	5785	20.08
	165	5825	20.08
802.11ax (HE40)	38	5190	39.68
	46	5230	39.60
	54	5270	39.60
	62	5310	39.60
	102	5510	39.76
	110	5550	39.36
	134	5670	39.60
	151	5755	39.76
	159	5795	39.60
802.11ax (HE80)	42	5210	80.32
	58	5290	80.48
	106	5530	80.32
	155	5775	80.48

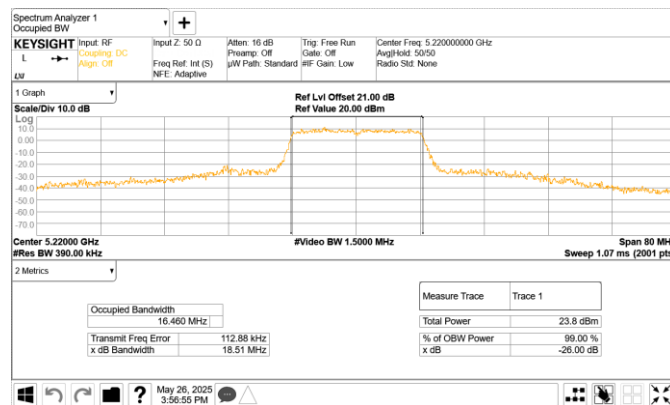
SISO

Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	149	5745	16.30	>0.5	Pass
	157	5785	16.28		Pass
	165	5825	16.30		Pass
802.11ac(VHT20)	149	5745	16.66	>0.5	Pass
	157	5785	16.70		Pass
	165	5825	16.68		Pass
802.11ac(VHT40)	151	5755	35.20	>0.5	Pass
	159	5795	35.08		Pass
802.11ac(VHT80)	155	5775	75.57	>0.5	Pass
802.11ax(HE20)	149	5745	16.37	>0.5	Pass
	157	5785	18.02		Pass
	165	5825	15.78		Pass
802.11ax(HE40)	151	5755	37.61	>0.5	Pass
	159	5795	37.59		Pass
802.11ax(HE80)	155	5775	75.97	>0.5	Pass

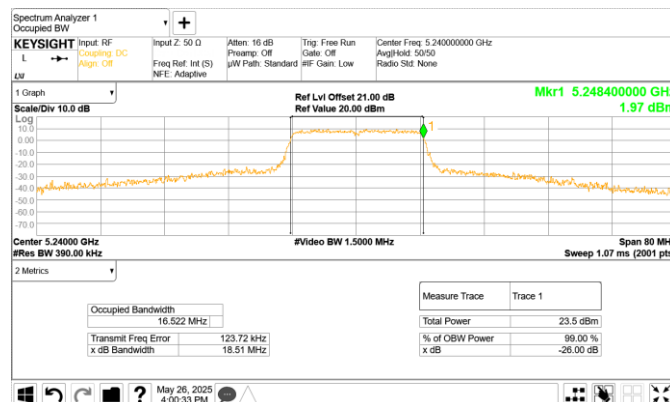
Chain0 : 99% OBW @ 802.11a Mode Ch36



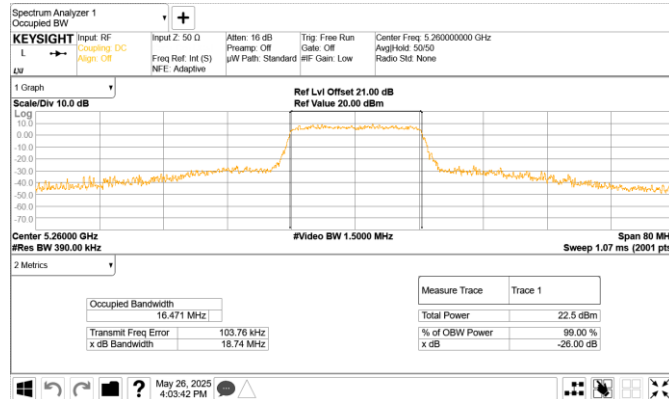
Chain0 : 99% OBW @ 802.11a Mode Ch44



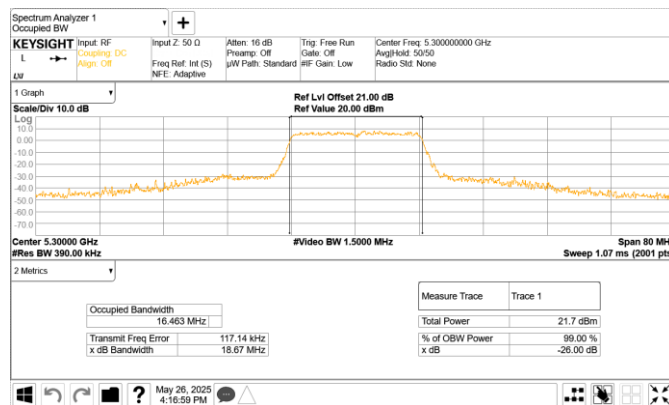
Chain0 : 99% OBW @ 802.11a Mode Ch48



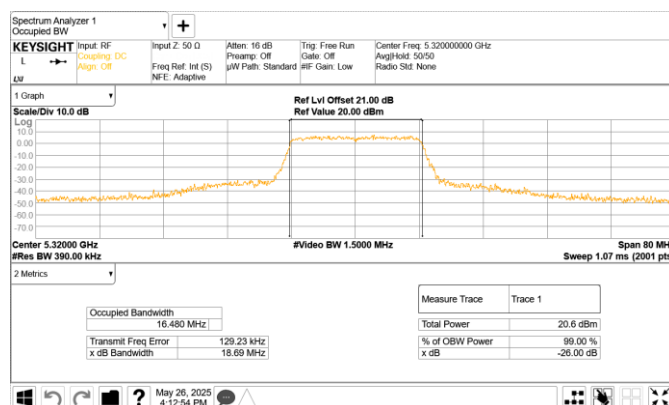
Chain0 : 99% OBW @ 802.11a Mode Ch52



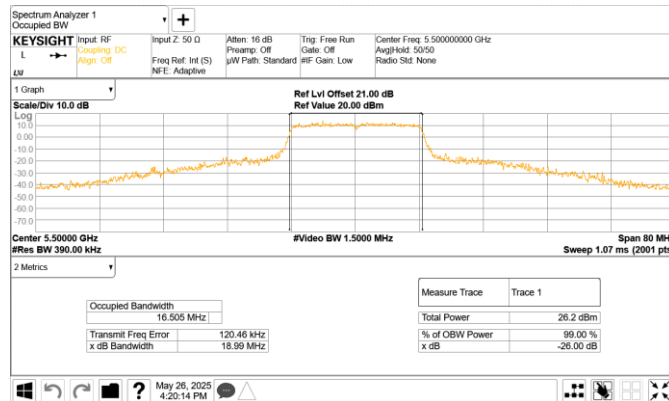
Chain0 : 99% OBW @ 802.11a Mode Ch60



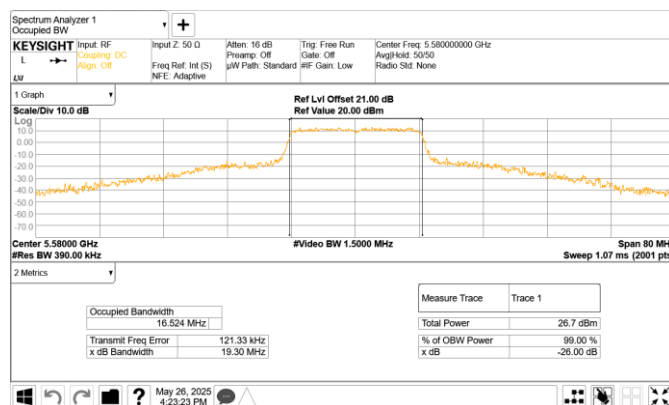
Chain0 : 99% OBW @ 802.11a Mode Ch64



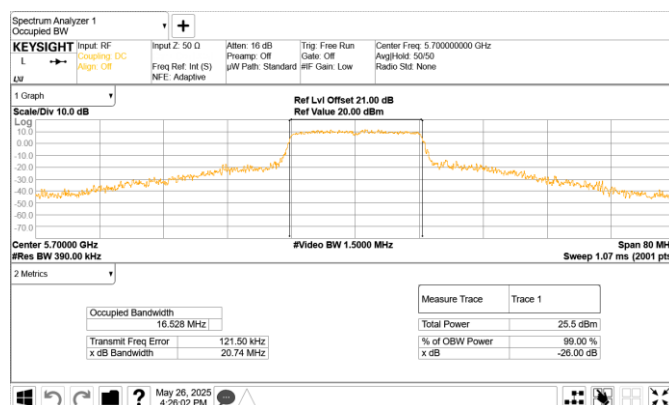
Chain0 : 99% OBW @ 802.11a Mode Ch100



Chain0 : 99% OBW @ 802.11a Mode Ch116



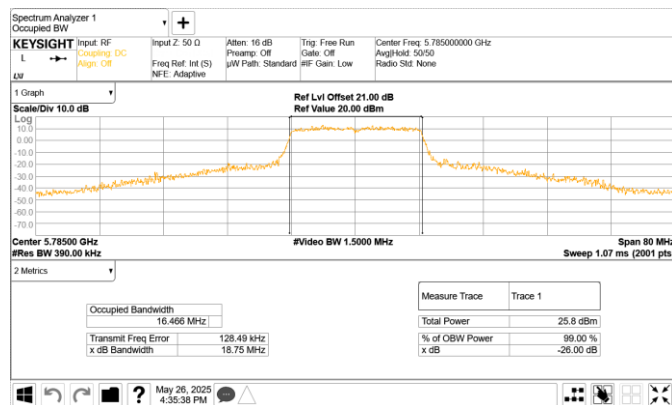
Chain0 : 99% OBW @ 802.11a Mode Ch140



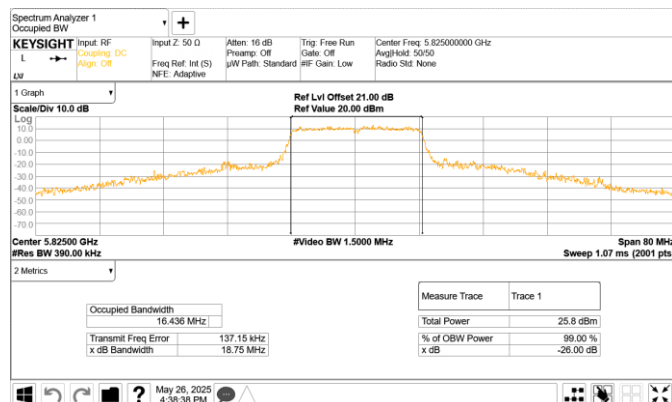
Chain0 : 99% OBW @ 802.11a Mode Ch149



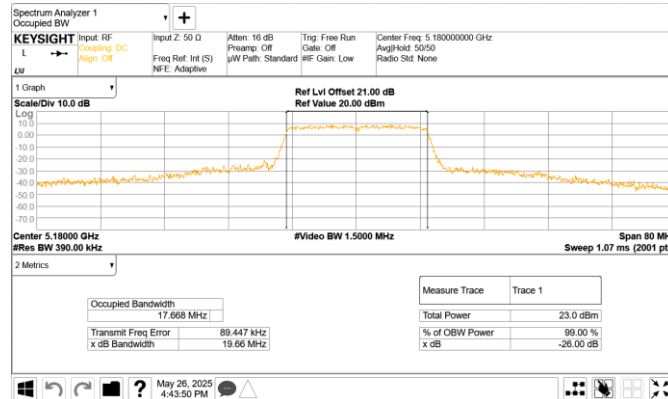
Chain0 : 99% OBW @ 802.11a Mode Ch157



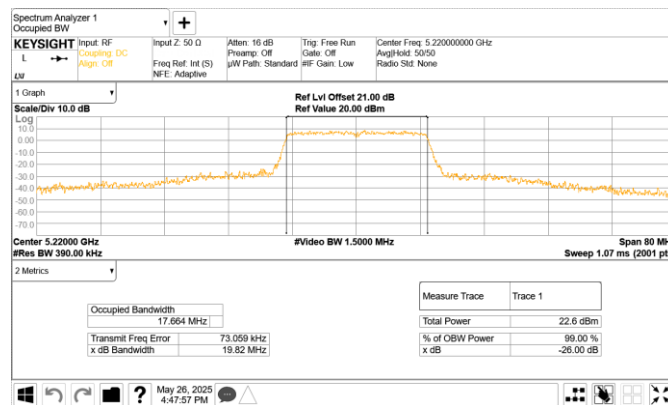
Chain0 : 99% OBW @ 802.11a Mode Ch165



Chain0 : 99% OBW @ 802.11ac(VHT20) Mode Ch36



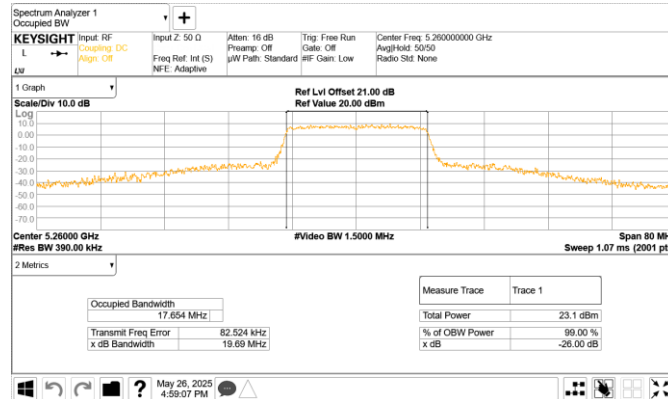
Chain0 : 99% OBW @ 802.11ac(VHT20) Mode Ch44



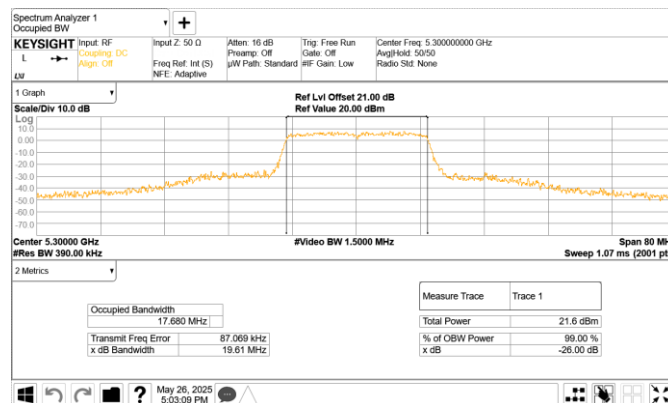
Chain0 : 99% OBW @ 802.11ac(VHT20) Mode Ch48



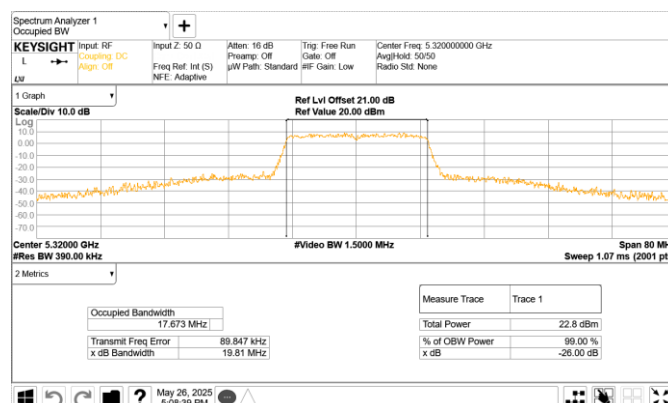
Chain0 : 99% OBW @ 802.11ac(VHT20) Mode Ch52



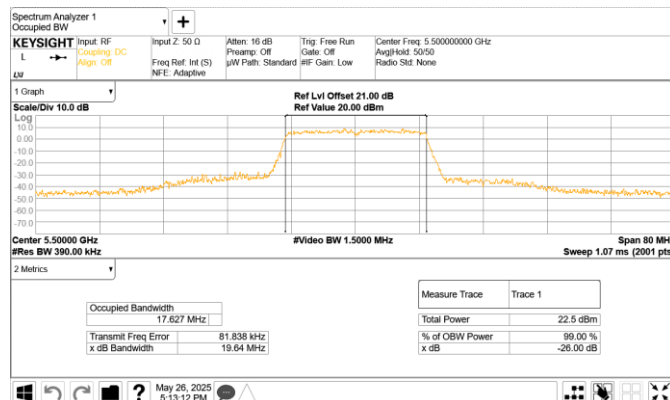
Chain0 : 99% OBW @ 802.11ac(VHT20) Mode Ch60



Chain0 : 99% OBW @ 802.11ac(VHT20) Mode Ch64



Chain0 : 99% OBW @ 802.11ac(VHT20) Mode Ch100



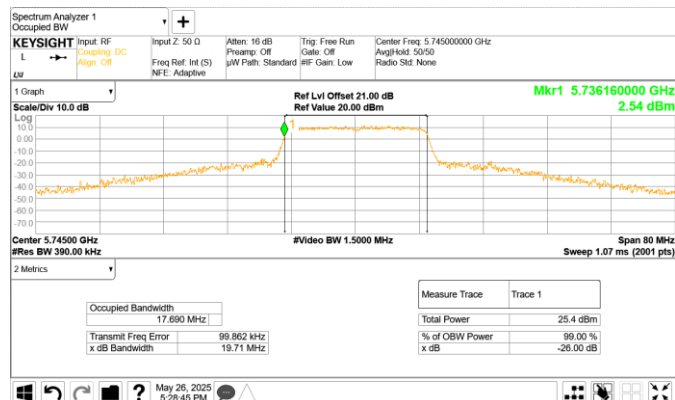
Chain0 : 99% OBW @ 802.11ac(VHT20) Mode Ch116



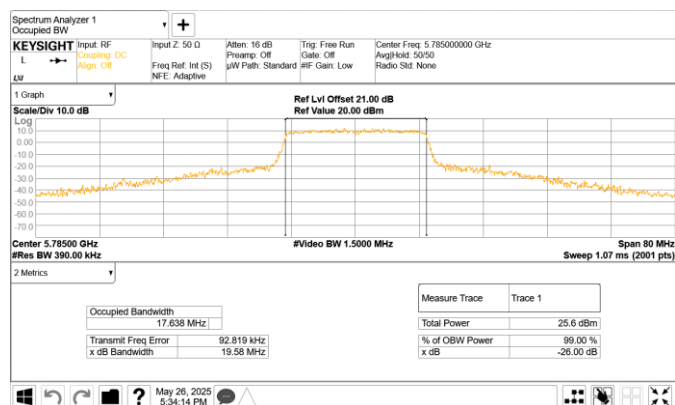
Chain0 : 99% OBW @ 802.11ac(VHT20) Mode Ch140



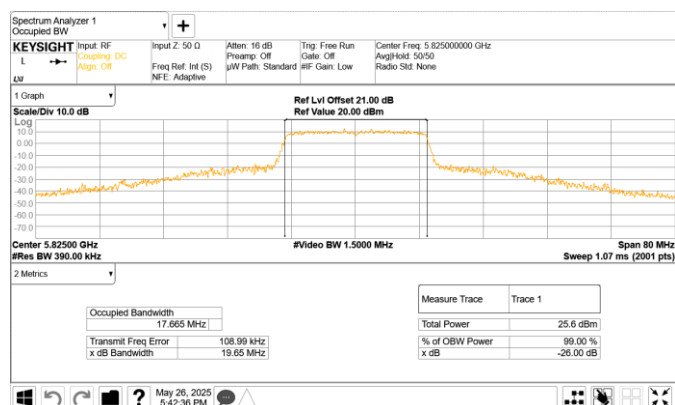
Chain0 : 99% OBW @ 802.11ac(VHT20) Mode Ch149



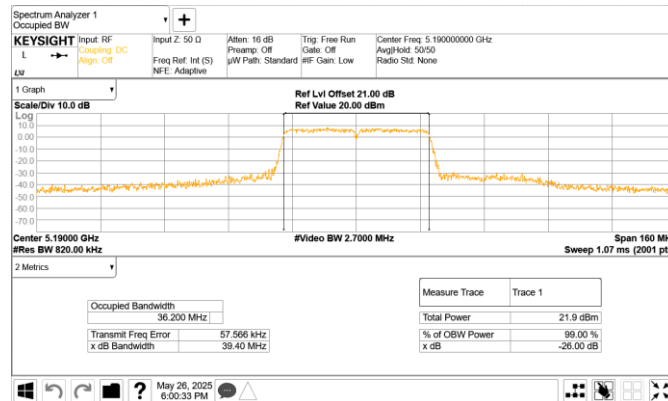
Chain0 : 99% OBW @ 802.11ac(VHT20) Mode Ch157



Chain0 : 99% OBW @ 802.11ac(VHT20) Mode Ch165



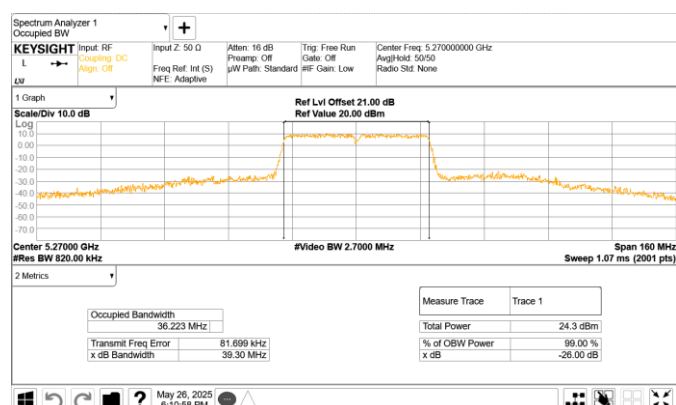
Chain0 : 99% OBW @ 802.11ac(VHT40) Mode Ch38



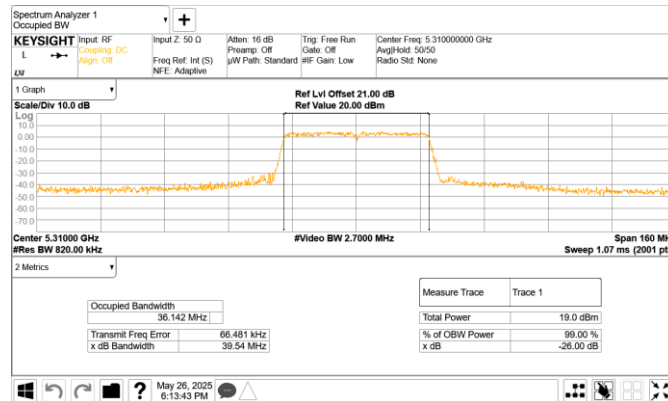
Chain0 : 99% OBW @ 802.11ac(VHT40) Mode Ch46



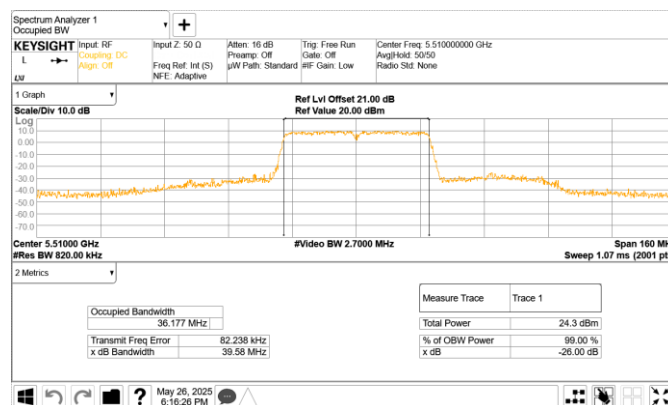
Chain0 : 99% OBW @ 802.11ac(VHT40) Mode Ch54



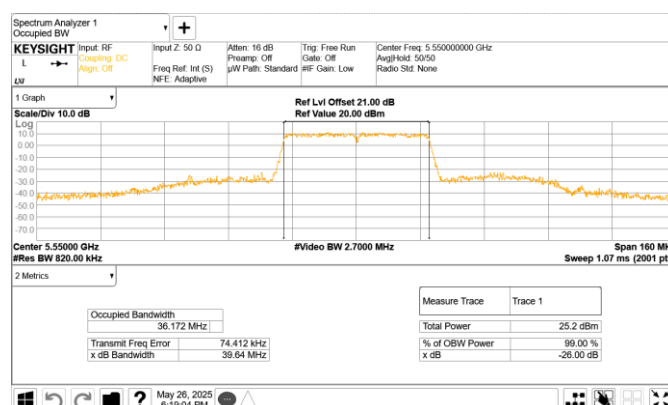
Chain0 : 99% OBW @ 802.11ac(VHT40) Mode Ch62



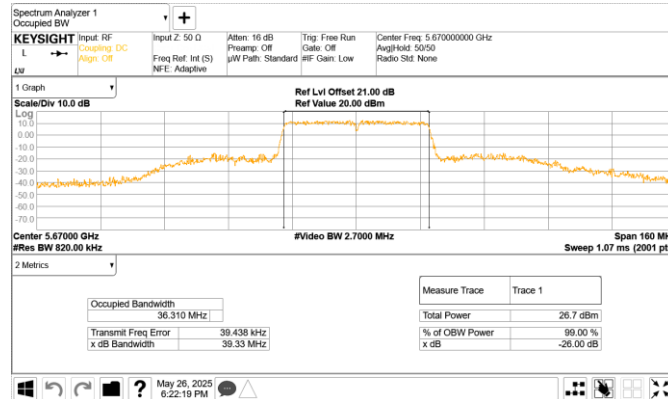
Chain0 : 99% OBW @ 802.11ac(VHT40) Mode Ch102



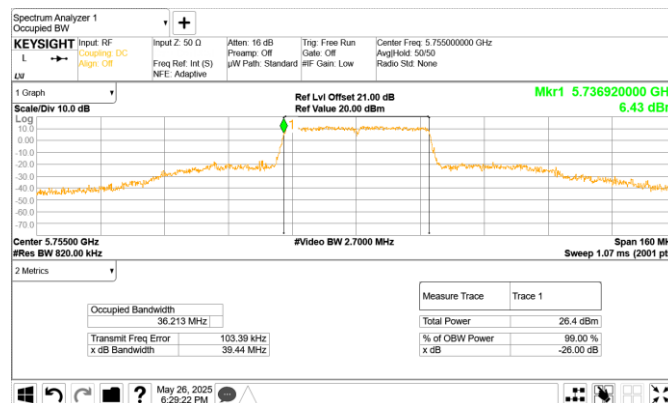
Chain0 : 99% OBW @ 802.11ac(VHT40) Mode Ch110



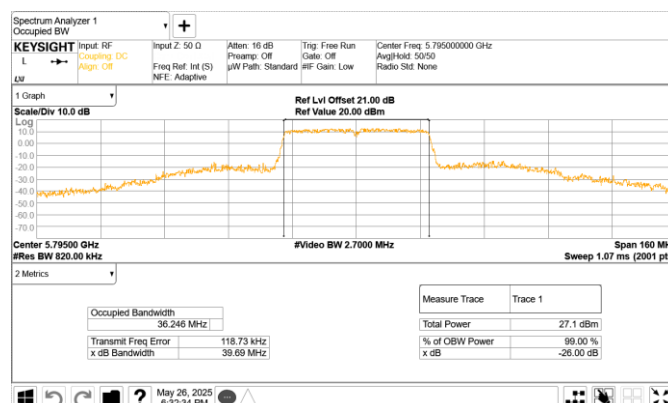
Chain0 : 99% OBW @ 802.11ac(VHT40) Mode Ch134



Chain0 : 99% OBW @ 802.11ac(VHT40) Mode Ch151



Chain0 : 99% OBW @ 802.11ac(VHT40) Mode Ch159



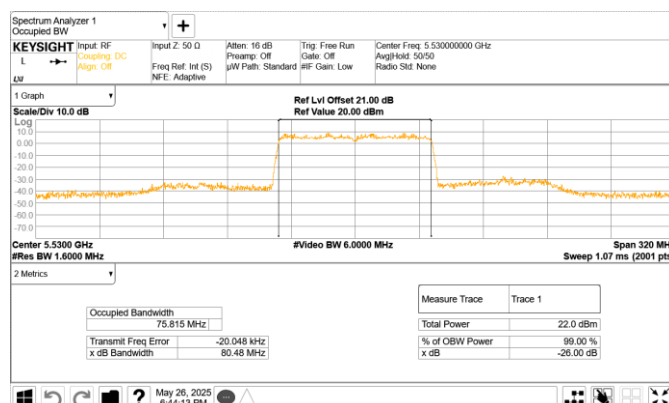
Chain0 : 99% OBW @ 802.11ac(VHT80) Mode Ch42



Chain0 : 99% OBW @ 802.11ac(VHT80) Mode Ch58



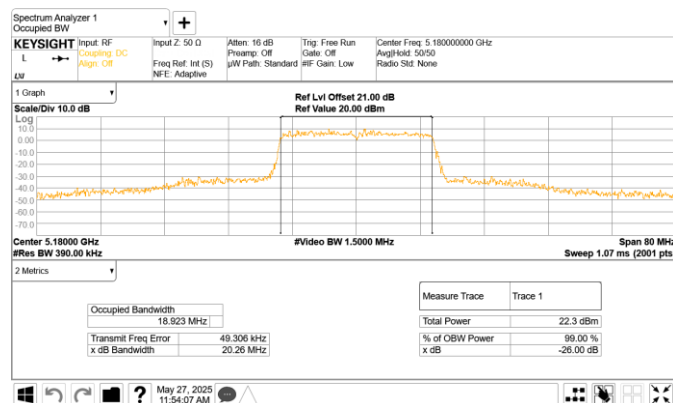
Chain0 : 99% OBW @ 802.11ac(VHT80) Mode Ch106



Chain0 : 99% OBW @ 802.11ac(VHT80) Mode Ch155



Chain0 : 99% OBW @ 802.11ax(HE20) Mode Ch36



Chain0 : 99% OBW @ 802.11ax(HE20) Mode Ch44

