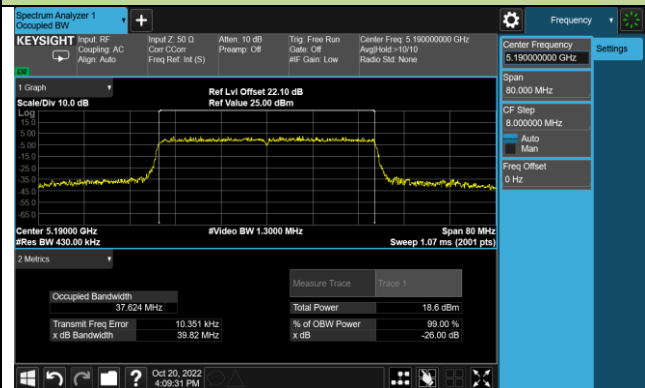
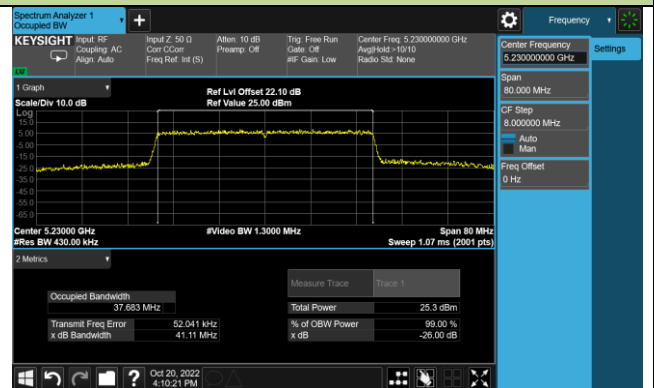


802.11ax-HE40 26dB & 99% Bandwidth – Ant 1

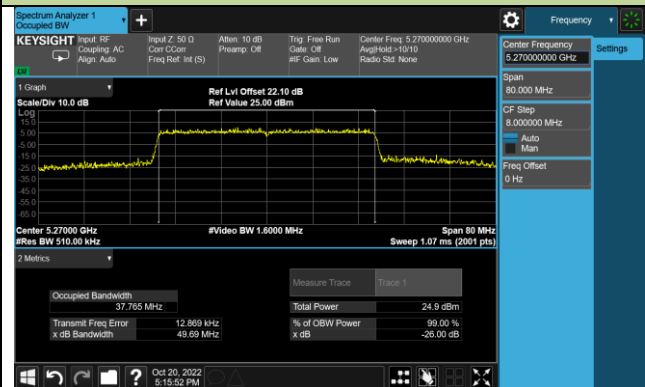
Channel 38 (5190MHz)



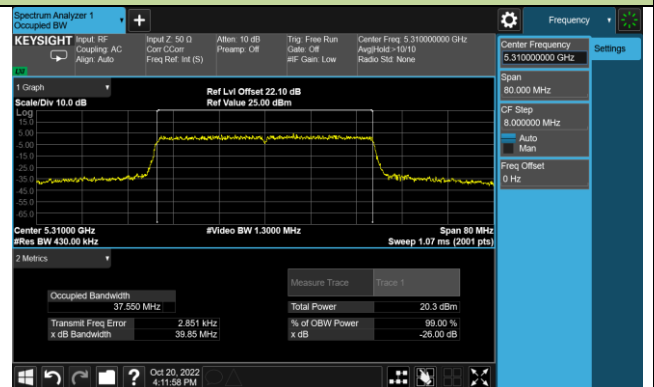
Channel 46 (5230MHz)



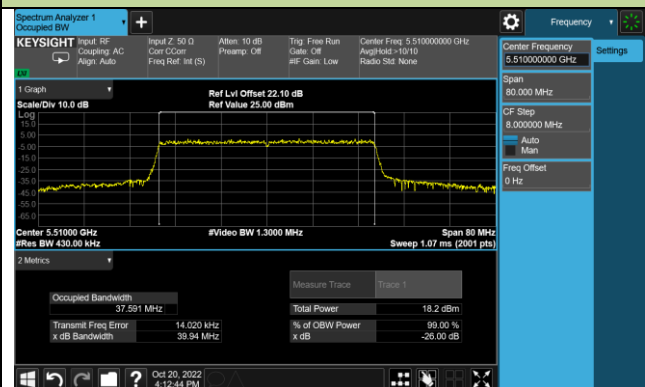
Channel 54 (5270MHz)



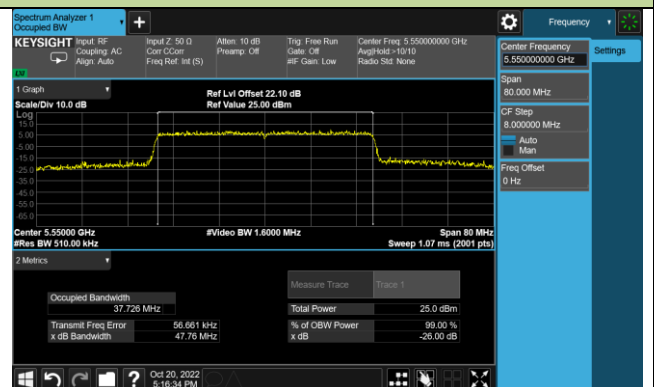
Channel 62 (5310MHz)



Channel 102 (5510MHz)

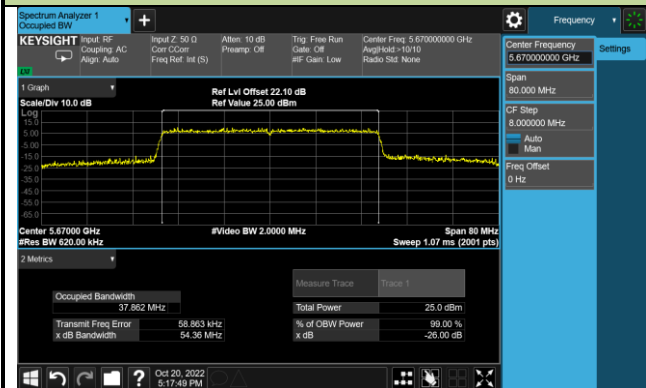


Channel 110 (5550MHz)

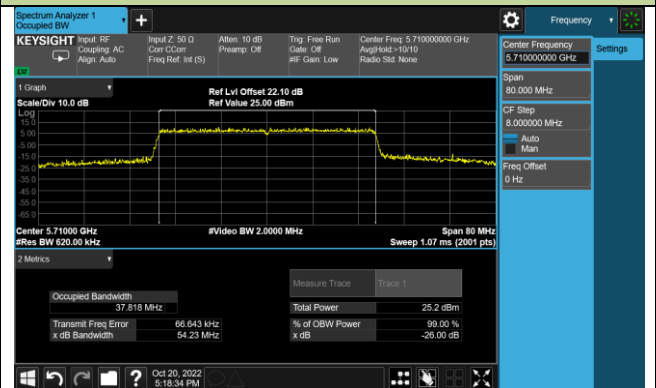


802.11ax-HE40 26dB & 99% Bandwidth – Ant 1

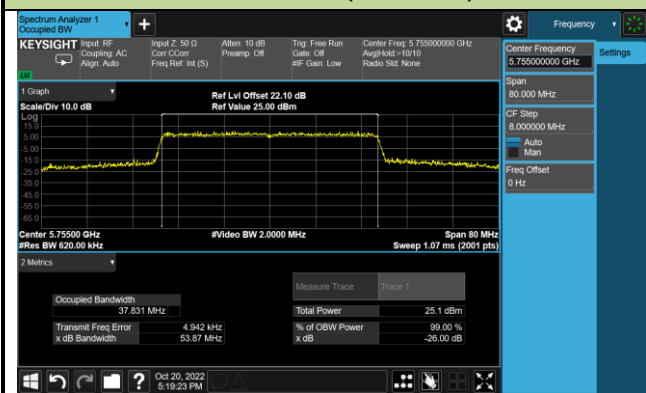
Channel 134 (5670MHz)



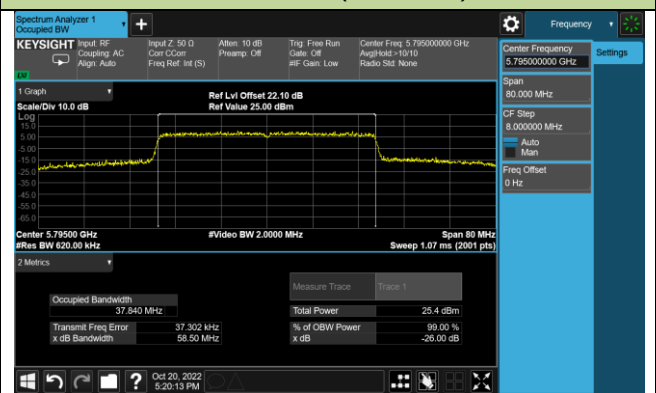
Channel 142(5710MHz)



Channel 151 (5755MHz)



Channel 159(5795MHz)



802.11ax-HE80 26dB & 99% Bandwidth – Ant 1

Channel 42 (5210MHz)



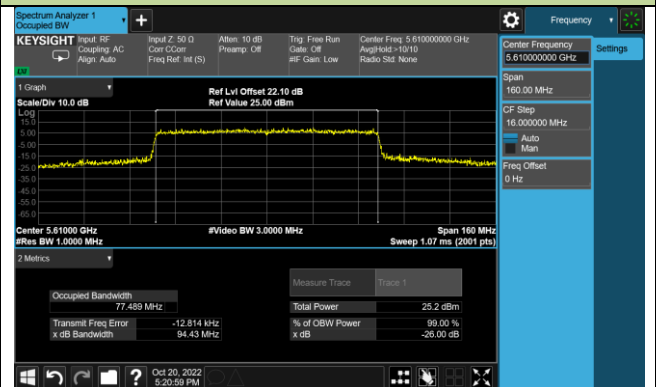
Channel 58 (5290MHz)



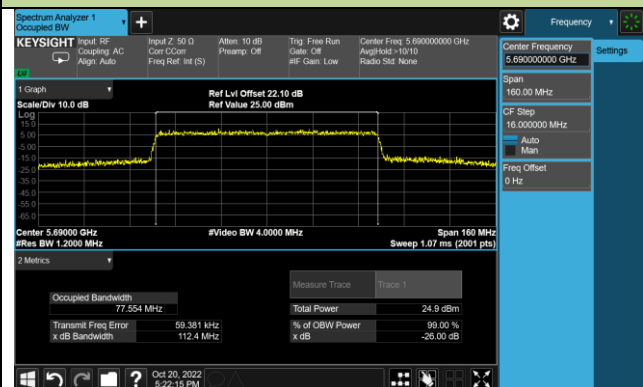
Channel 106 (5530MHz)



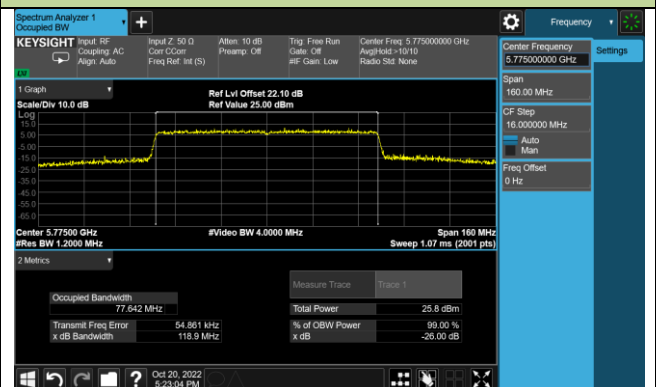
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)



Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2022-10-26		
Test Mode	802.11ax-HE, Partial RU		

Test Mode	Tone	RU	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax-HE20	26 Tone	RU 0	36	5180	20.28	18.557
			44	5220	19.95	18.388
			48	5240	19.90	18.382
			52	5260	20.23	18.480
			60	5300	19.96	18.435
			64	5320	19.97	18.442
			100	5500	20.05	18.345
			116	5580	20.08	18.276
			140	5700	19.82	18.423
			144	5720	19.95	18.326
			149	5745	20.08	18.661
			157	5785	20.21	18.530
			165	5825	19.92	18.503
		RU 4	36	5180	19.34	17.448
			44	5220	19.61	17.445
			48	5240	19.36	17.527
			52	5260	19.20	17.150
			60	5300	19.45	17.535
			64	5320	19.48	17.448
			100	5500	19.68	17.459
			116	5580	19.27	17.465
			140	5700	19.45	17.304
			144	5720	19.17	17.463
			149	5745	19.08	17.503
			157	5785	19.43	17.288
			165	5825	19.55	17.426

Test Mode	Tone	RU	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax-HE20	26 Tone	RU 8	36	5180	20.83	18.620
			44	5220	20.31	18.560
			48	5240	20.53	18.680
			52	5260	20.56	18.753
			60	5300	20.41	18.758
			64	5320	20.51	18.512
			100	5500	20.50	18.565
			116	5580	20.86	18.636
			140	5700	20.66	18.533
			144	5720	20.25	18.536
			149	5745	20.87	18.672
			157	5785	20.44	18.439
			165	5825	20.93	18.516
	262 Tone	RU 61	36	5180	21.76	19.097
			44	5220	27.62	19.252
			48	5240	26.69	19.219
			52	5260	27.22	19.235
			60	5300	29.49	19.148
			64	5320	25.73	19.099
			100	5500	30.27	19.193
			116	5580	28.25	19.294
			140	5700	21.50	19.047
			144	5720	29.41	19.293
			149	5745	34.34	19.512
			157	5785	34.91	19.432
			165	5825	31.47	19.445

Test Mode	Tone	RU	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax-HE40	26 Tone	RU 0	38	5190	20.03	18.524
			46	5230	20.18	18.641
			54	5270	20.27	18.456
			62	5310	20.29	18.660
			102	5510	20.39	18.636
			110	5550	20.59	18.547
			134	5670	20.39	18.426
			142	5710	19.47	18.325
			151	5755	20.07	18.707
			159	5795	20.88	18.175
		RU 8	38	5190	22.50	20.137
			46	5230	22.54	20.604
			54	5270	23.20	20.182
			62	5310	23.56	19.712
			102	5510	21.70	20.103
			110	5550	22.58	20.508
			134	5670	24.67	19.622
			142	5710	22.71	20.328
			151	5755	23.61	19.898
			159	5795	22.31	20.429

Test Mode	Tone	RU	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax-HE40	26 Tone	RU 17	38	5190	20.07	18.490
			46	5230	20.62	18.291
			54	5270	20.12	18.706
			62	5310	20.62	18.931
			102	5510	20.31	18.418
			110	5550	20.00	18.273
			134	5670	20.79	18.662
			142	5710	20.97	18.736
			151	5755	20.71	19.432
			159	5795	20.61	18.778
	484 Tone	RU 65	38	5190	40.15	37.649
			46	5230	39.56	37.649
			54	5270	56.15	37.635
			62	5310	39.75	37.619
			102	5510	39.59	37.557
			110	5550	74.45	37.938
			134	5670	49.30	37.717
			142	5710	76.02	37.993
			151	5755	67.09	37.997
			159	5795	75.21	38.029

Test Mode	Tone	RU	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax-HE80	26 Tone	RU 0	42	5210	21.22	19.290
			58	5290	20.83	18.515
			106	5530	20.37	18.516
			122	5610	20.46	18.845
			138	5690	20.68	18.819
			155	5775	20.82	18.821
		RU 18	42	5210	40.77	38.321
			58	5290	41.72	38.828
			106	5530	41.86	38.503
			122	5610	39.77	37.915
			138	5690	41.43	37.657
			155	5775	42.04	38.794
		RU 36	42	5210	23.18	21.720
			58	5290	23.31	19.789
			106	5530	21.46	19.879
			122	5610	22.20	21.405
			138	5690	23.38	20.387
			155	5775	22.83	21.906
	996 Tone	RU 67	42	5210	81.25	77.094
			58	5290	81.16	77.069
			106	5530	81.18	77.044
			122	5610	126.4	77.725
			138	5690	127.3	77.961
			155	5775	132.0	77.991

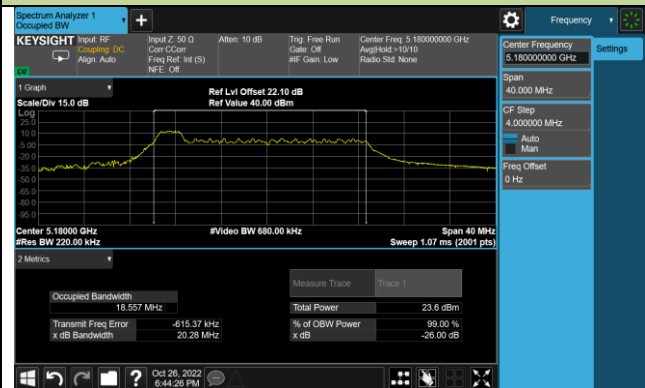
Test Mode	Tone	RU	Channel No.	Frequency (MHz)	F _H (MHz)	Limit (MHz)
802.11ax-HE20	26 Tone	RU 0	48	5240	5249.19	< 5250
		RU 4			5248.76	
		RU 8			5249.34	
	242 Tone	RU 61			5249.61	
802.11ax-HE40	26 Tone	RU 0	46	5230	5239.32	< 5250
		RU 8			5240.30	
		RU 17			5239.15	
	484 Tone	RU 65			5248.82	
802.11ax-HE80	26 Tone	RU 0	42	5210	5219.65	< 5250
		RU 18			5229.16	
		RU 36			5220.86	
	996 Tone	RU 67			5248.55	

Note: $F_H = \text{Centre frequency} + 99\% \text{ OBW} / 2$

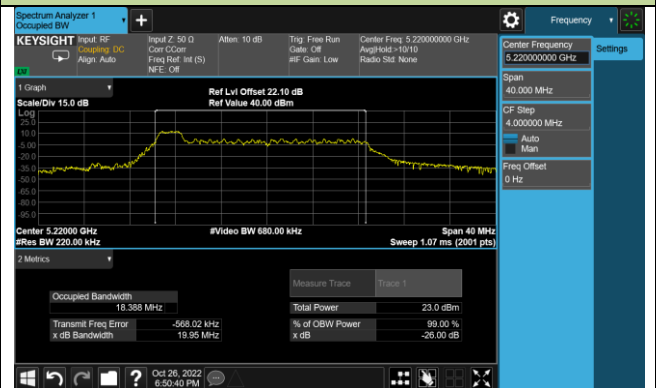
For example, 802.11ax-HE20 26 Tone RU 0 5240MHz, $F_H = 5240 \text{ MHz} + 18.382 \text{ MHz} / 2 = 5249.19\text{MHz}$.

802.11ax-HE20 26dB Bandwidth – Ant 1 – 26 Tone RU 0

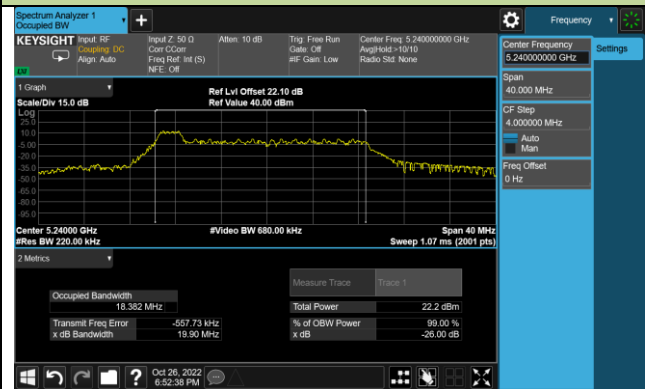
Channel 36 (5180MHz)



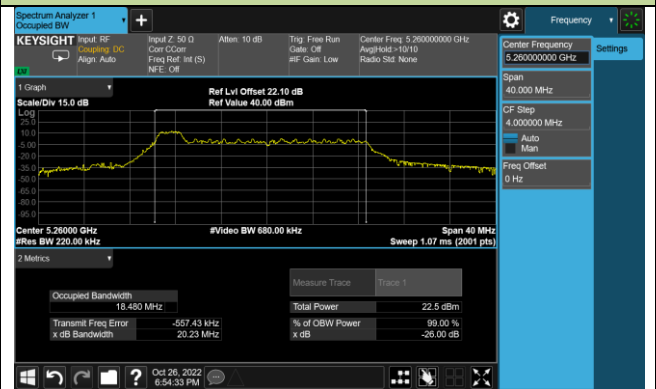
Channel 44 (5220MHz)



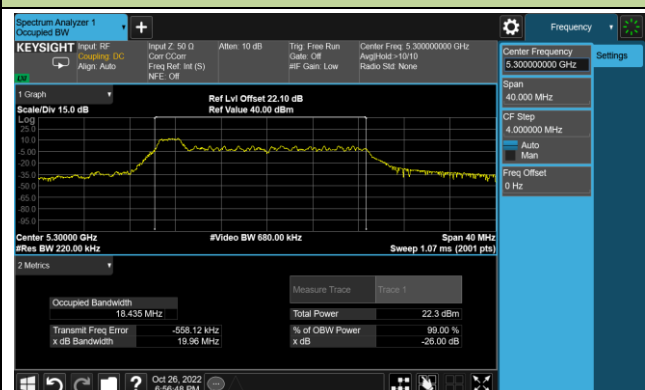
Channel 48 (5240MHz)



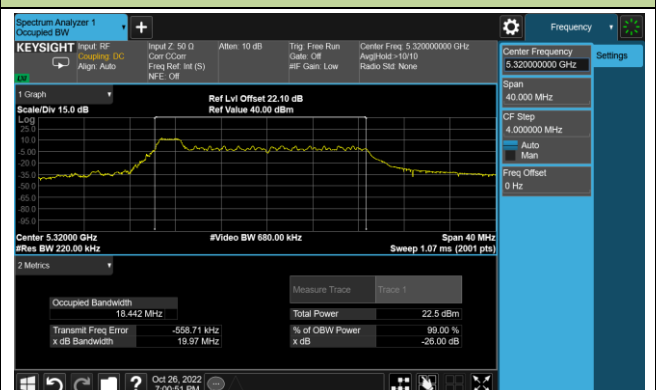
Channel 52 (5260MHz)



Channel 60 (5300MHz)

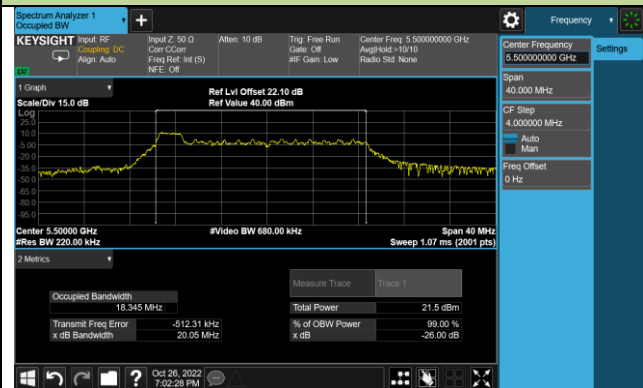


Channel 64 (5320MHz)

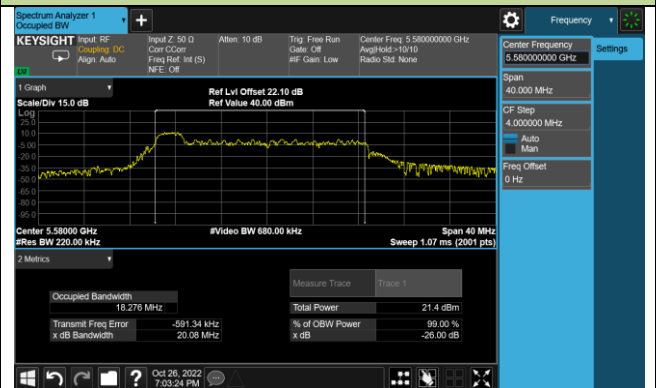


802.11ax-HE20 26dB Bandwidth – Ant 1 – 26 Tone RU 0

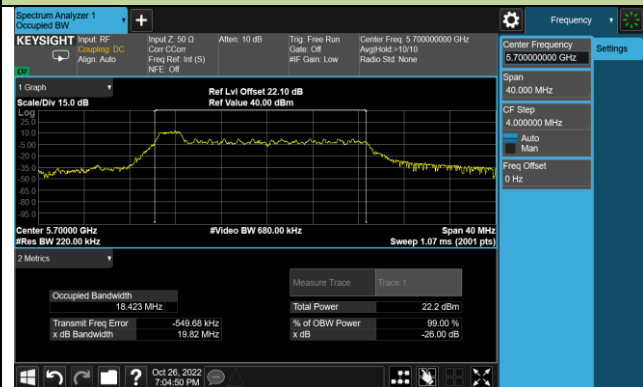
Channel 100 (5500MHz)



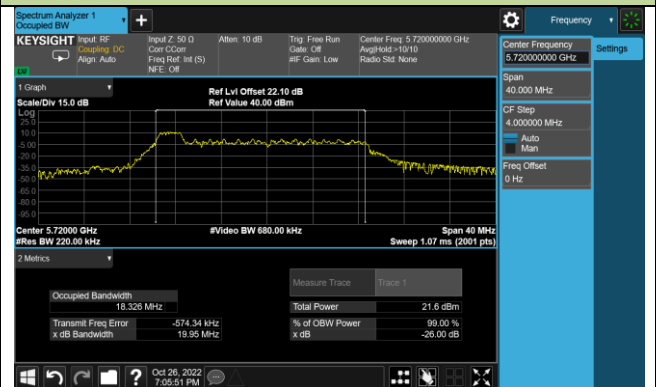
Channel 116 (5580MHz)



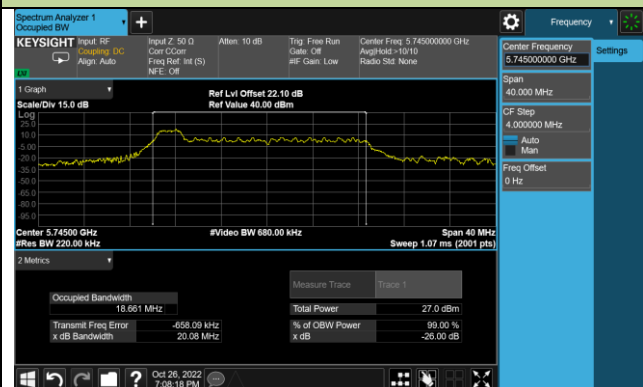
Channel 140 (5700MHz)



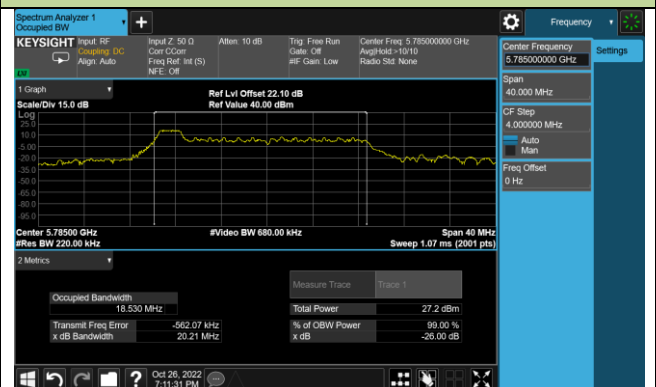
Channel 144(5720MHz)



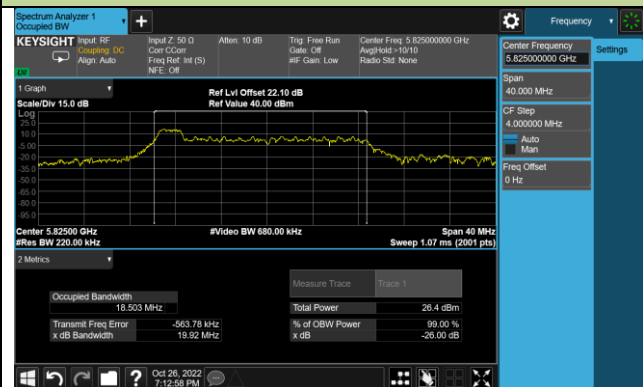
Channel 149 (5745MHz)



Channel 157(5785MHz)

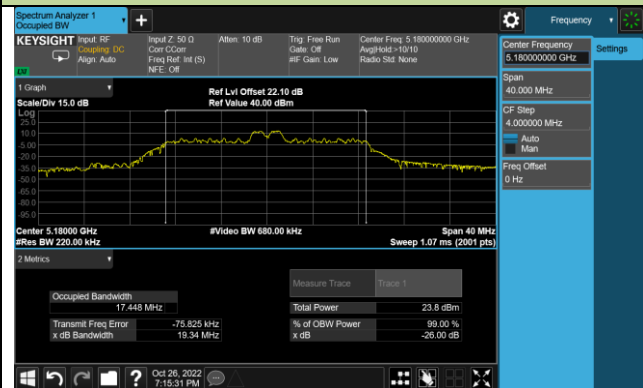


Channel 165 (5825MHz)

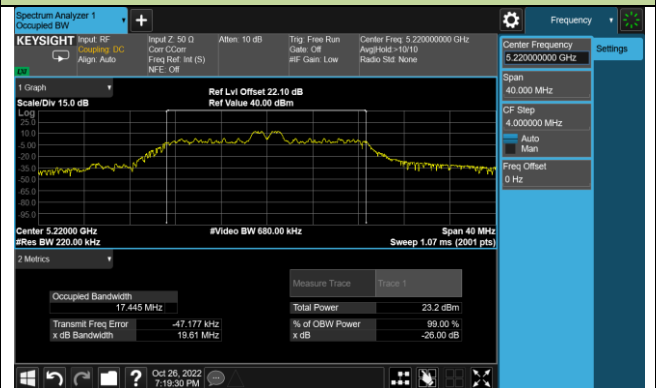


802.11ax-HE20 26dB Bandwidth – Ant 1 – 26 Tone RU 4

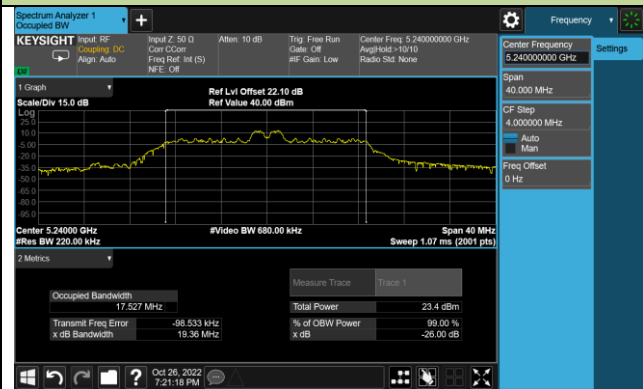
Channel 36 (5180MHz)



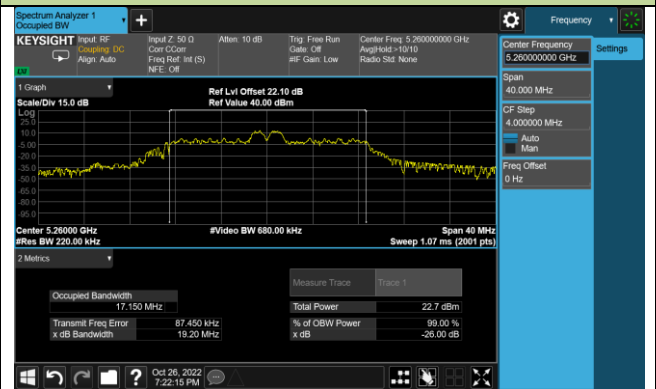
Channel 44 (5220MHz)



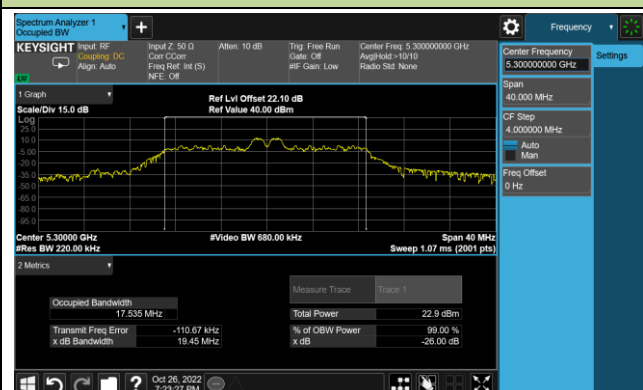
Channel 48 (5240MHz)



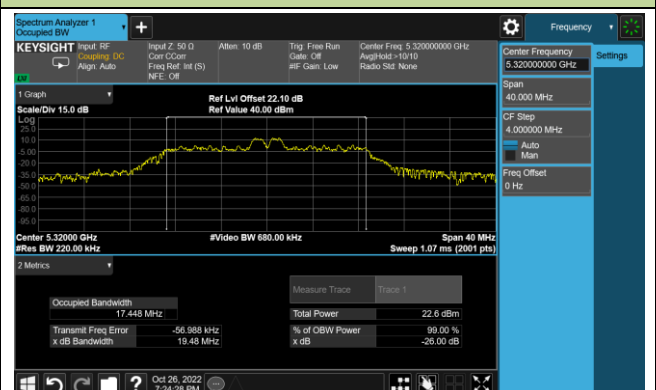
Channel 52 (5260MHz)



Channel 60 (5300MHz)

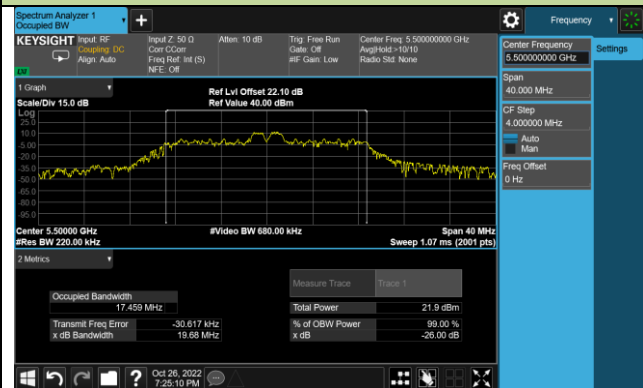


Channel 64 (5320MHz)

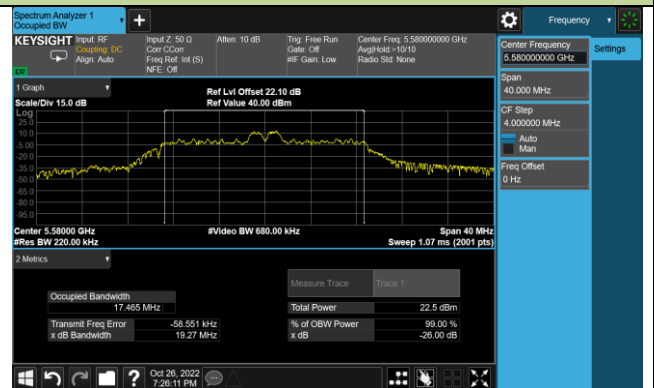


802.11ax-HE20 26dB Bandwidth – Ant 1 – 26 Tone RU 4

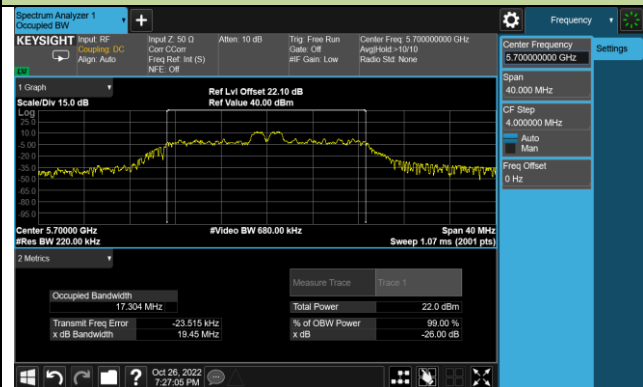
Channel 100 (5500MHz)



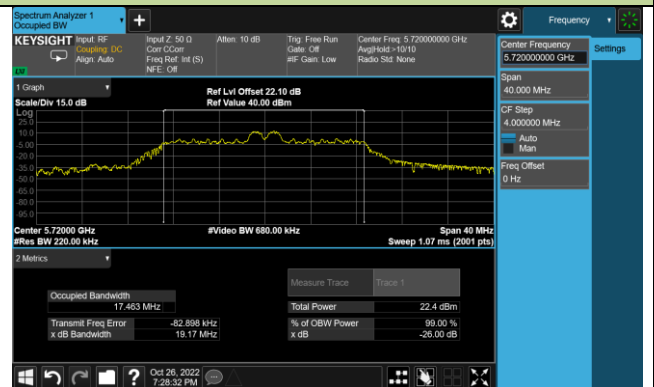
Channel 116 (5580MHz)



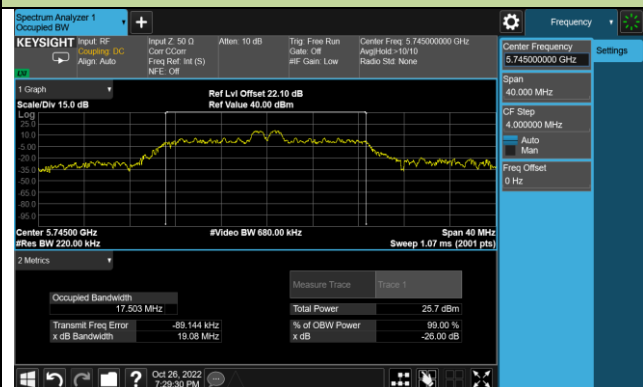
Channel 140 (5700MHz)



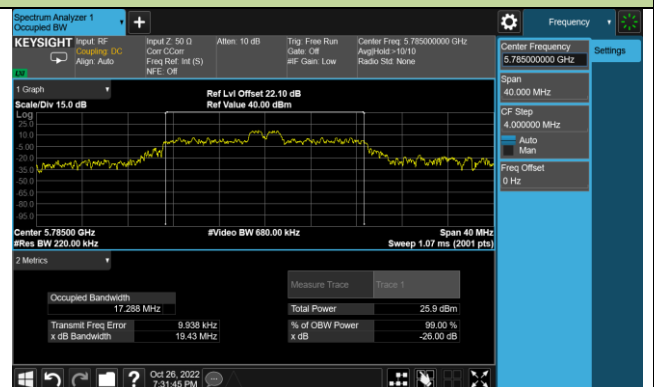
Channel 144(5720MHz)



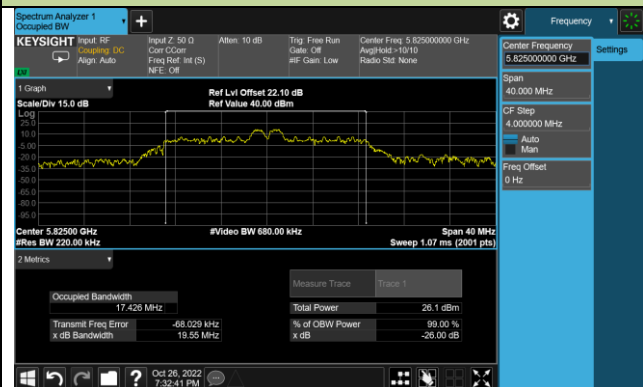
Channel 149 (5745MHz)



Channel 157(5785MHz)

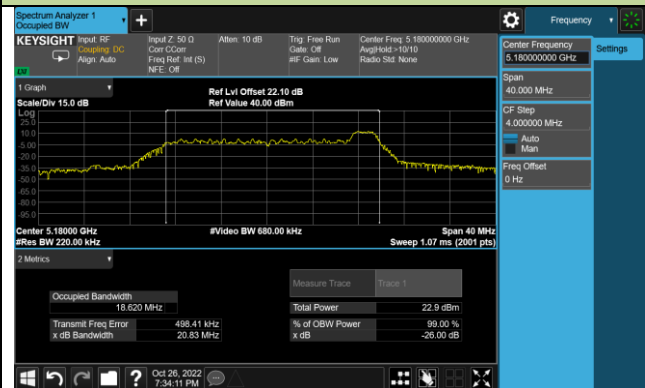


Channel 165 (5825MHz)

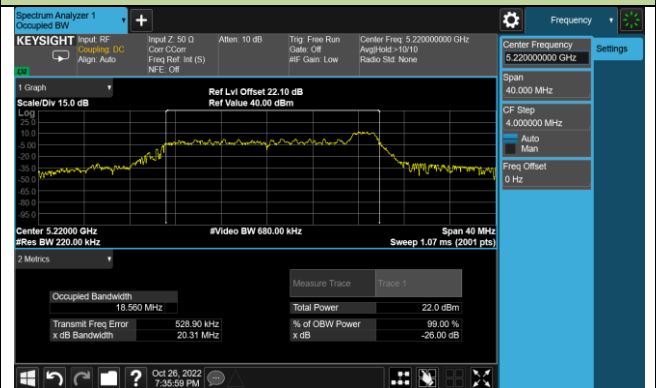


802.11ax-HE20 26dB Bandwidth – Ant 1 – 26 Tone RU 8

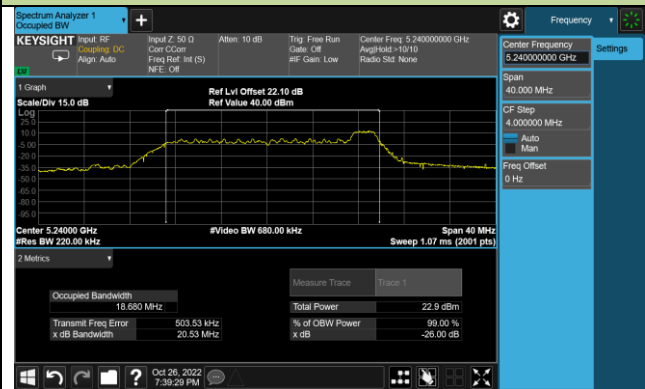
Channel 36 (5180MHz)



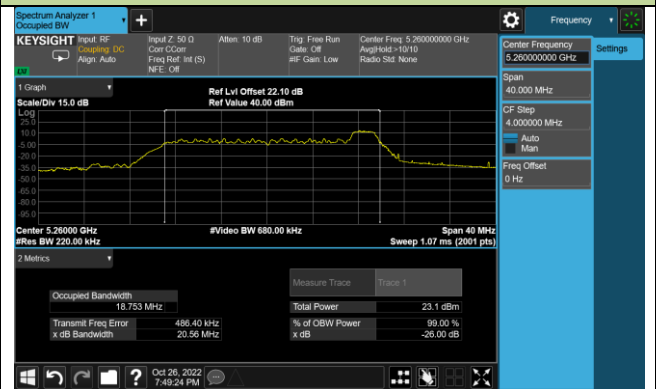
Channel 44 (5220MHz)



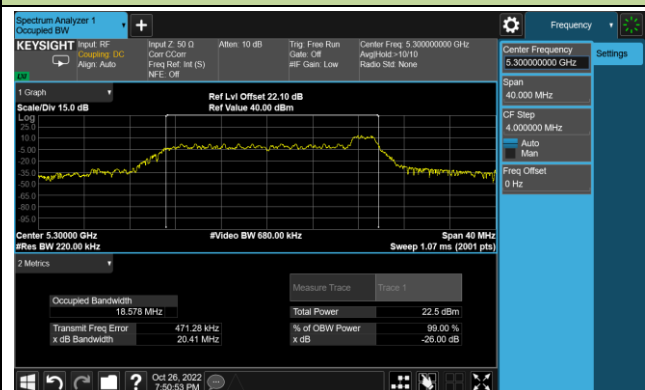
Channel 48 (5240MHz)



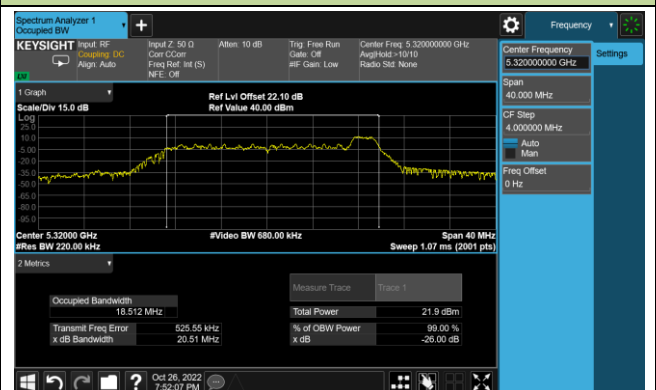
Channel 52 (5260MHz)



Channel 60 (5300MHz)

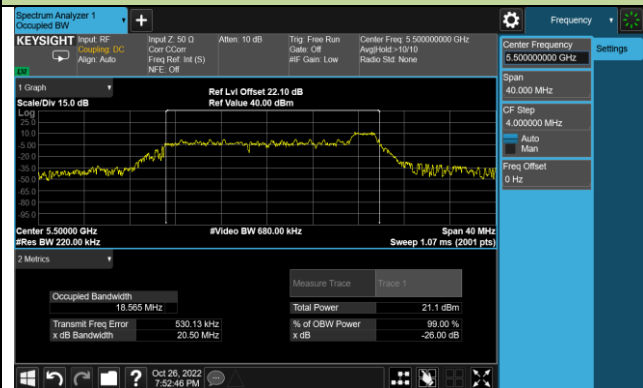


Channel 64 (5320MHz)

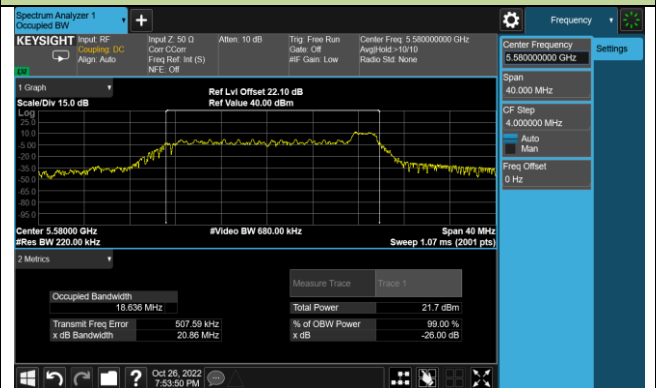


802.11ax-HE20 26dB Bandwidth – Ant 1 – 26 Tone RU 8

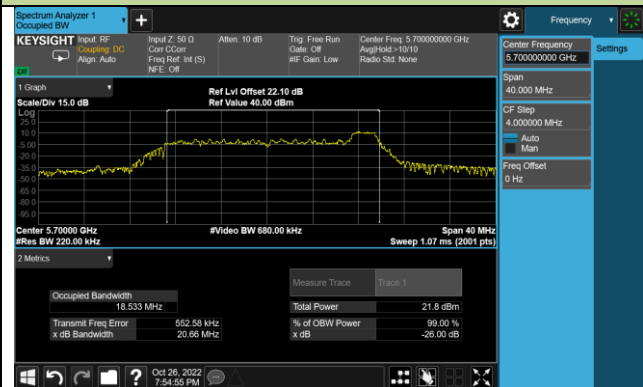
Channel 100 (5500MHz)



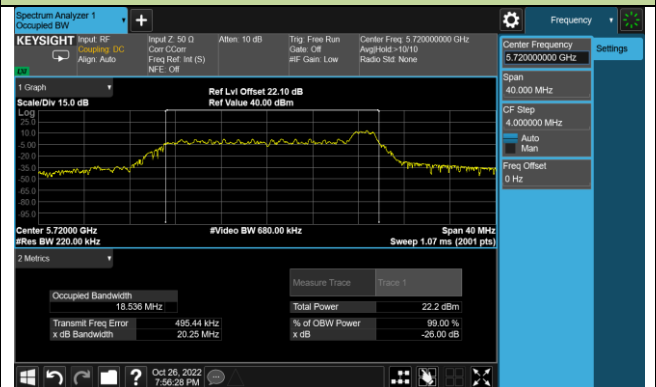
Channel 116 (5580MHz)



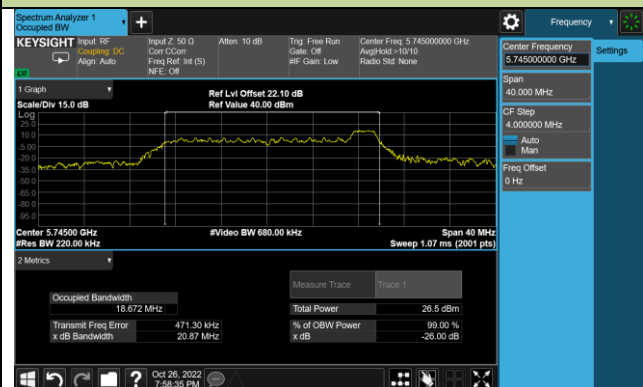
Channel 140 (5700MHz)



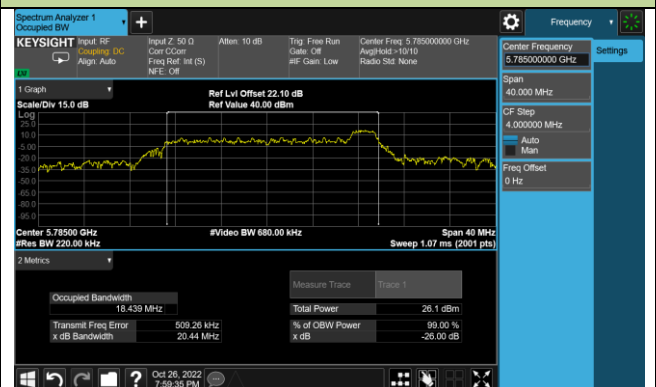
Channel 144(5720MHz)



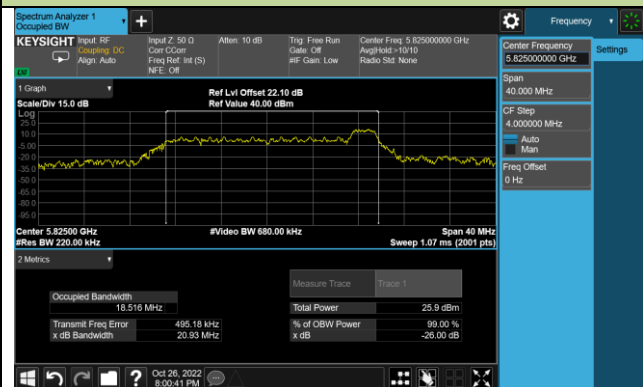
Channel 149 (5745MHz)



Channel 157(5785MHz)

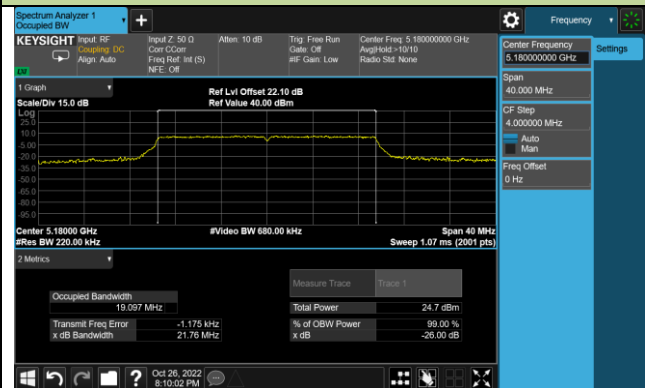


Channel 165 (5825MHz)

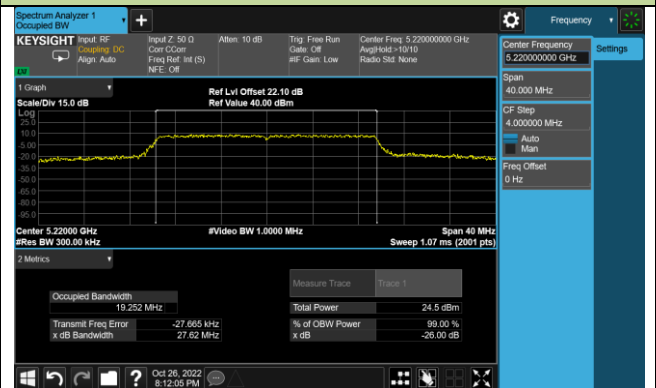


802.11ax-HE20 26dB Bandwidth – Ant 1 – 242 Tone RU 61

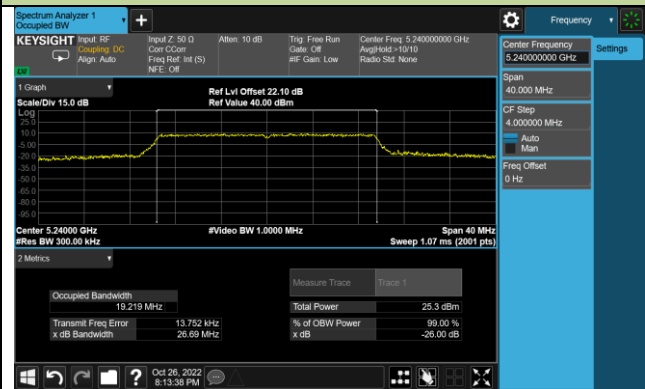
Channel 36 (5180MHz)



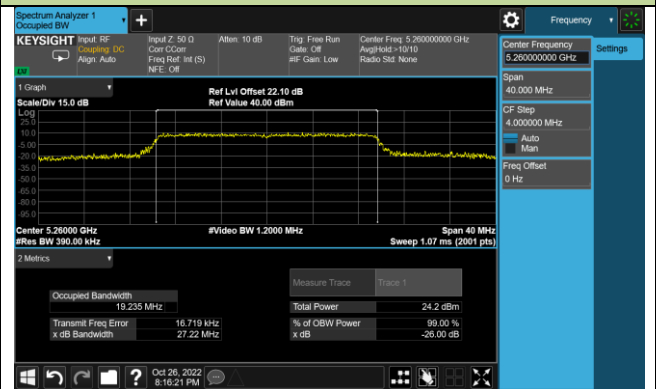
Channel 44 (5220MHz)



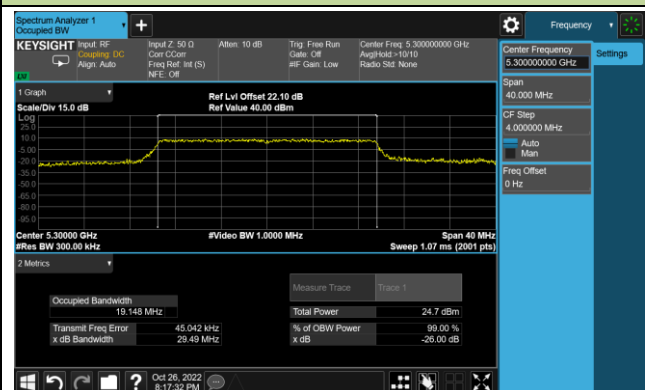
Channel 48 (5240MHz)



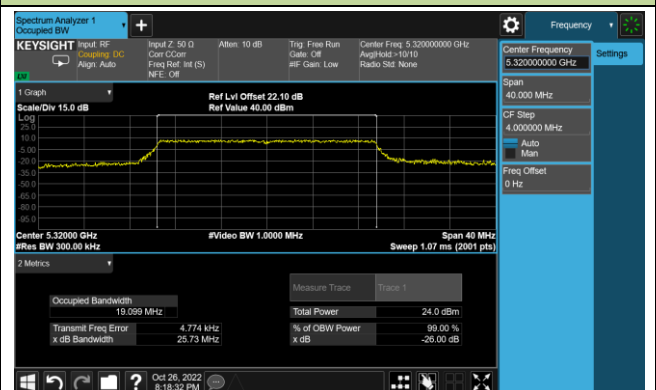
Channel 52 (5260MHz)



Channel 60 (5300MHz)

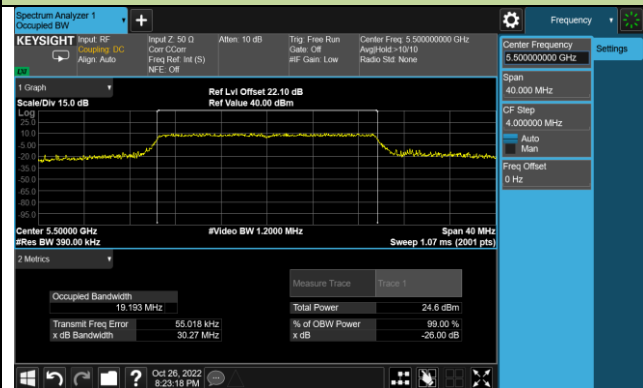


Channel 64 (5320MHz)

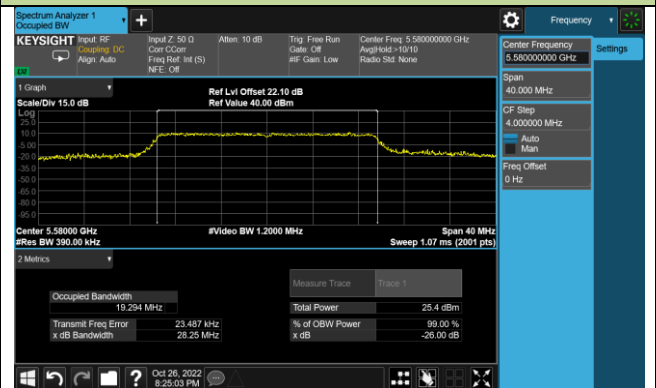


802.11ax-HE20 26dB Bandwidth – Ant 1 – 242 Tone RU 61

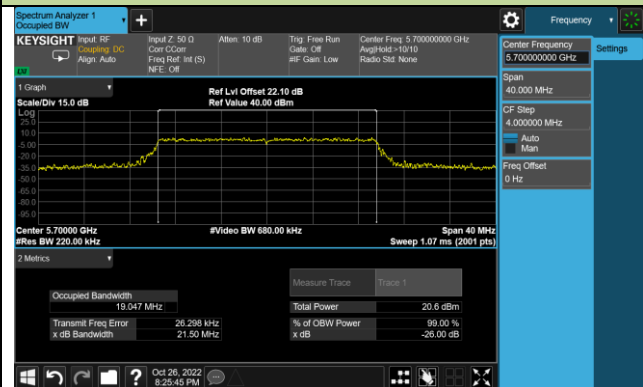
Channel 100 (5500MHz)



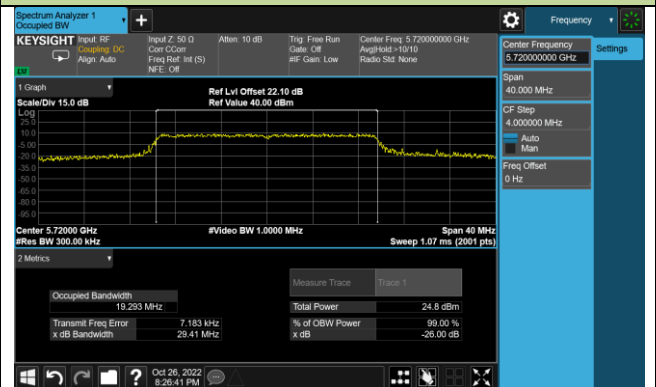
Channel 116 (5580MHz)



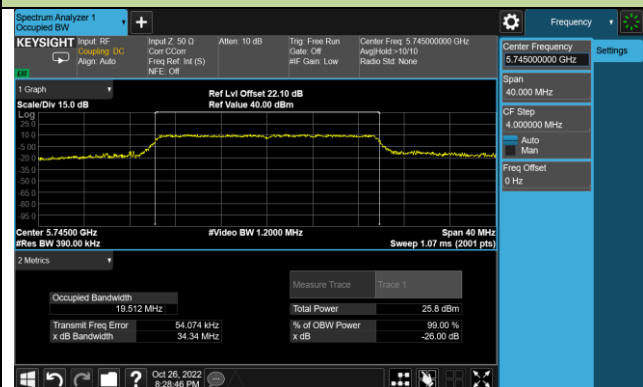
Channel 140 (5700MHz)



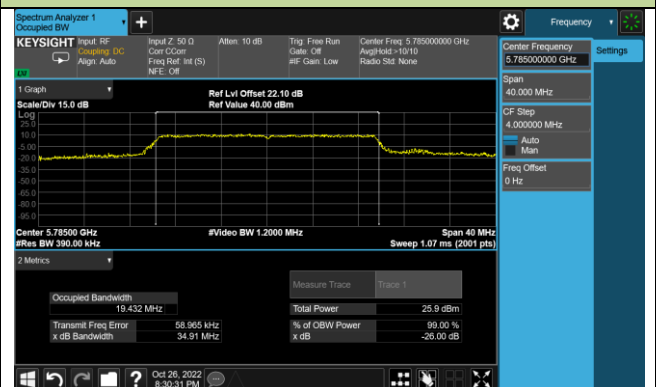
Channel 144(5720MHz)



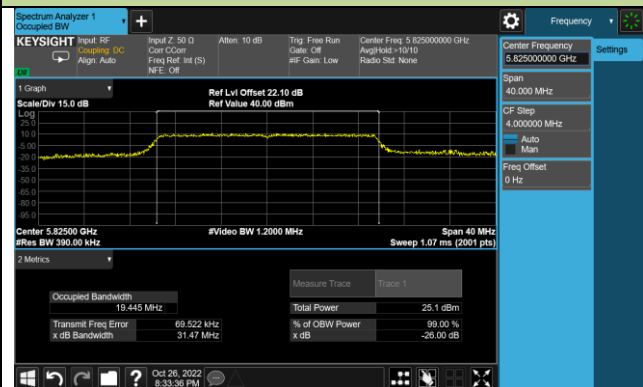
Channel 149 (5745MHz)



Channel 157(5785MHz)

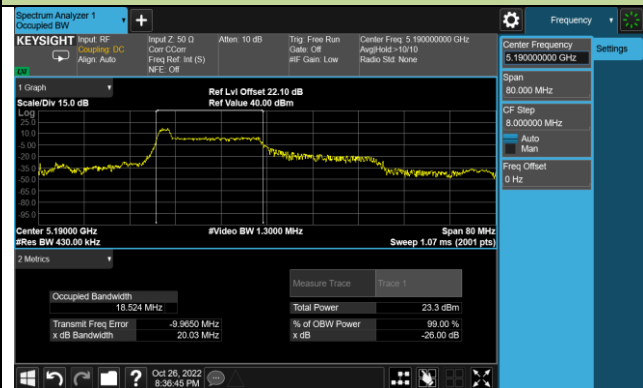


Channel 165 (5825MHz)



802.11ax-HE40 26dB Bandwidth – Ant 1 – 26 Tone RU 0

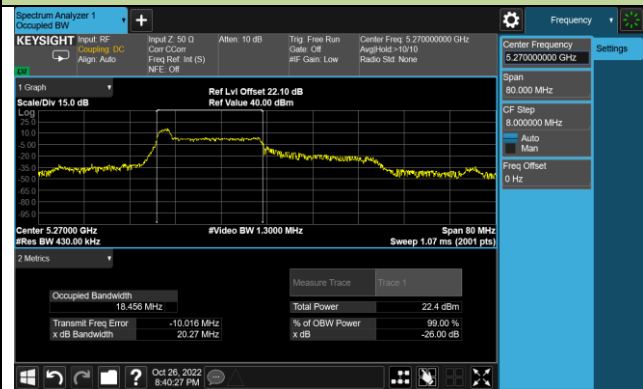
Channel 38 (5190MHz)



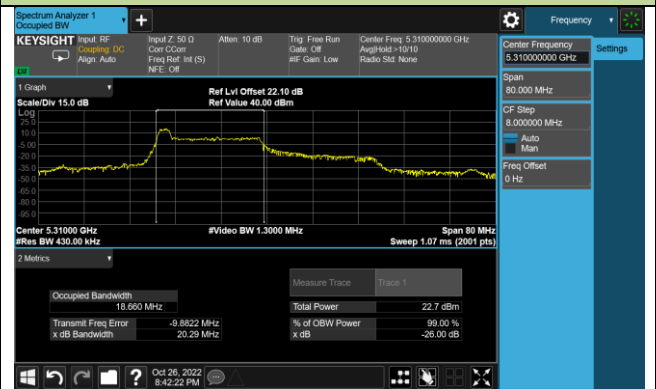
Channel 46 (5230MHz)



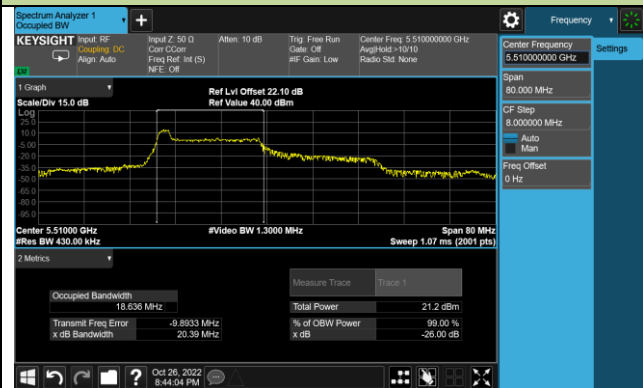
Channel 54 (5270MHz)



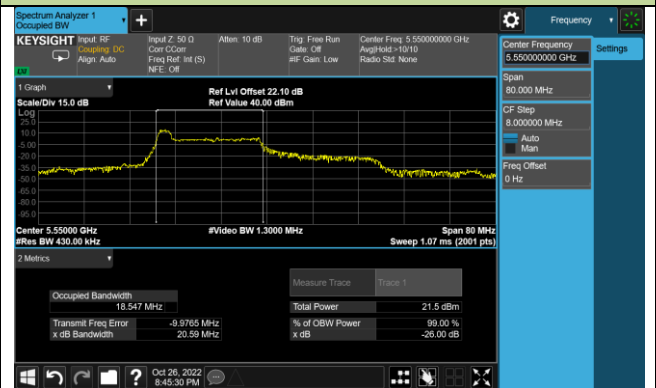
Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 110 (55590MHz)

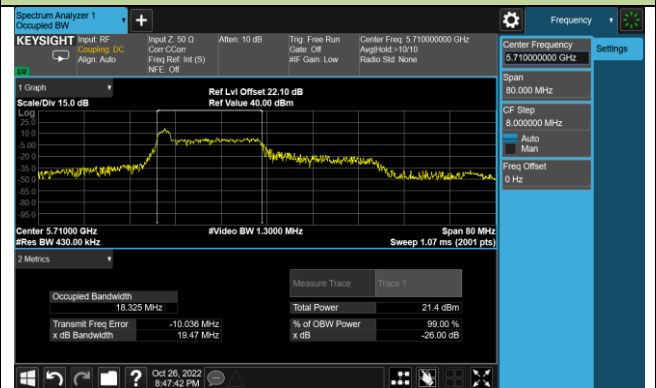


802.11ax-HE40 26dB Bandwidth – Ant 1 – 26 Tone RU 0

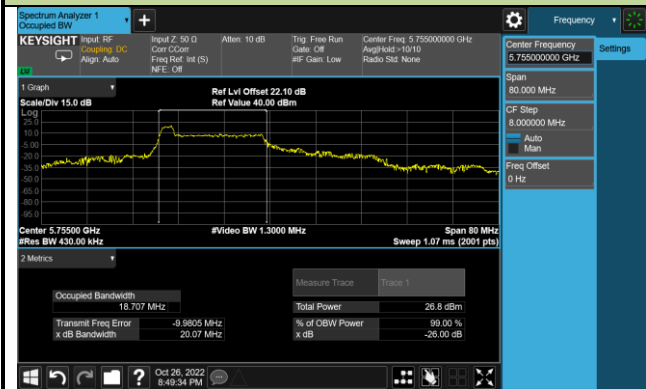
Channel 134 (5670MHz)



Channel 142(5710MHz)



Channel 151 (5755MHz)



Channel 159(5795MHz)

