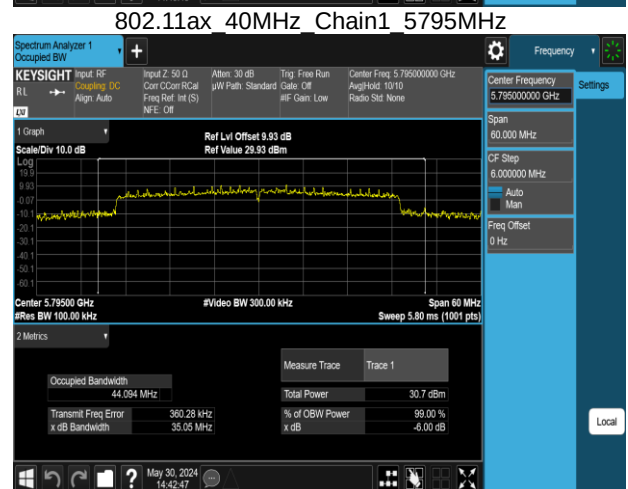
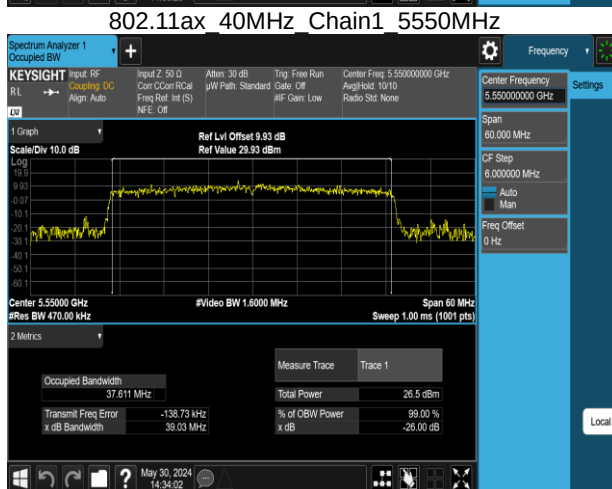
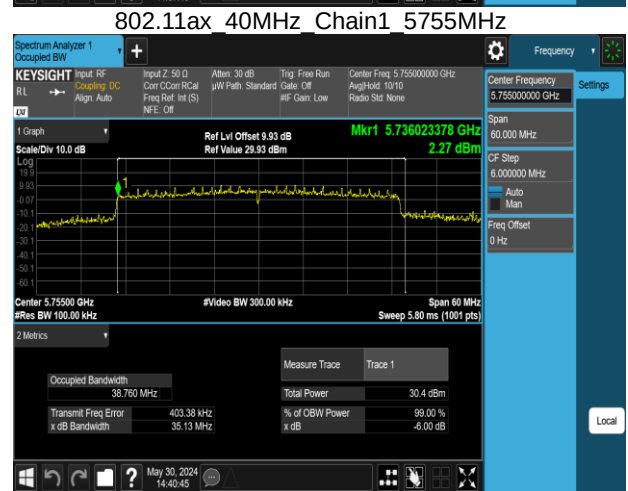
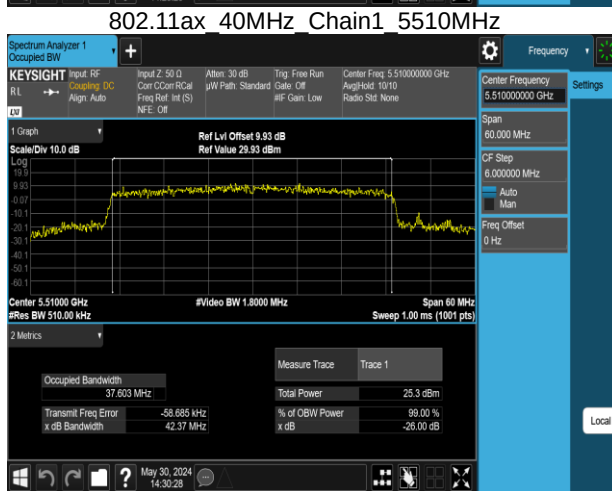
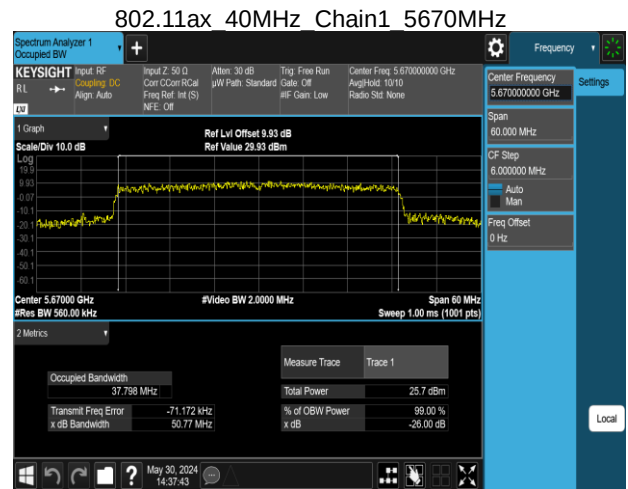
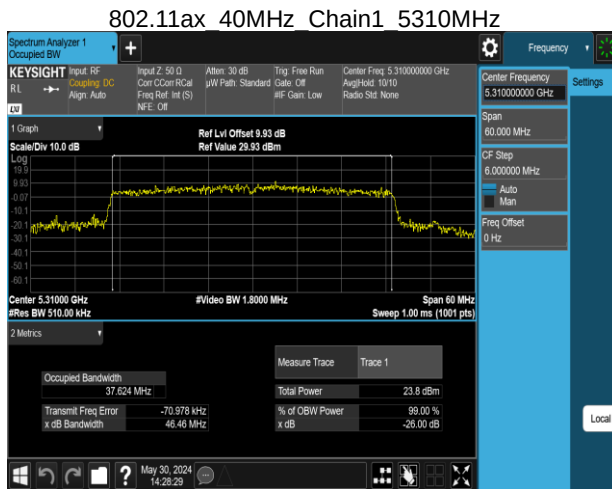




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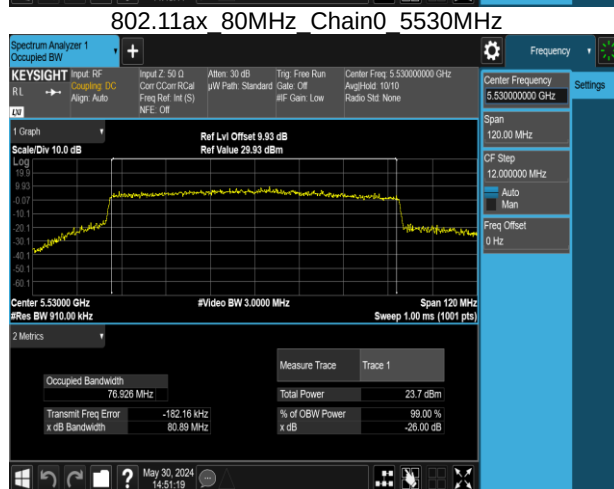
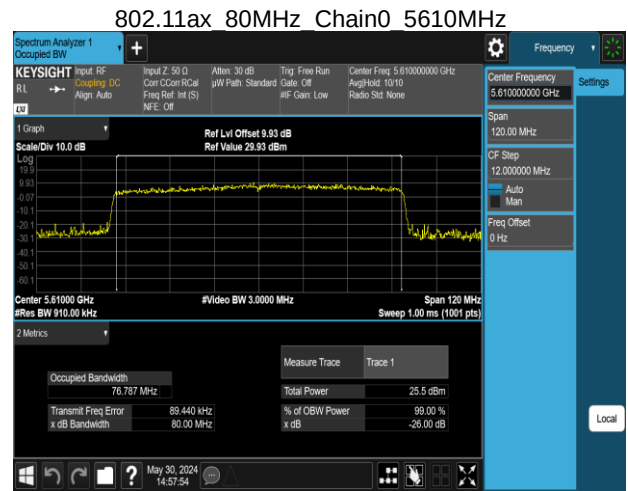
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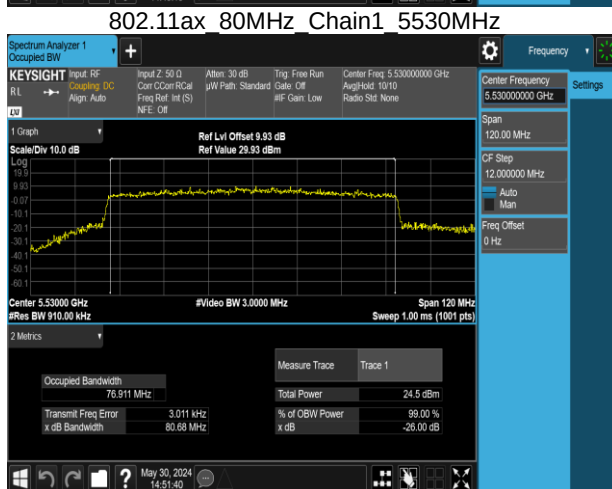
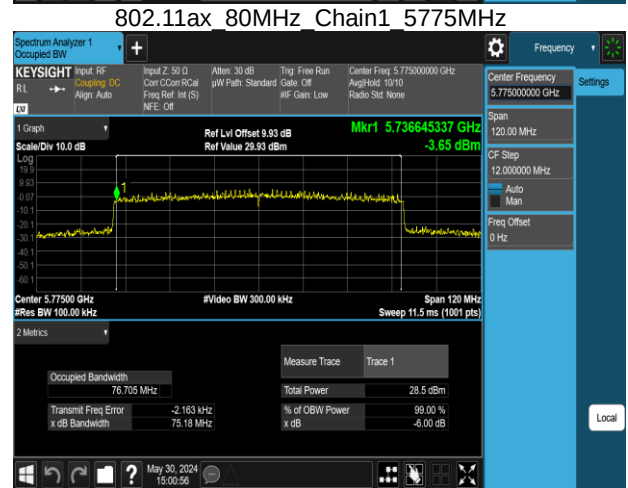
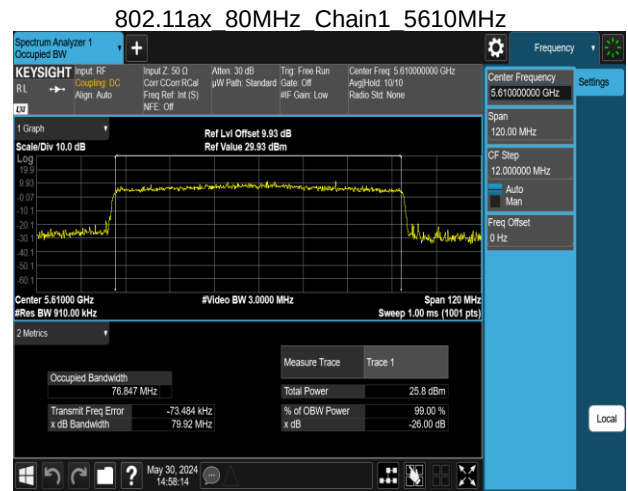
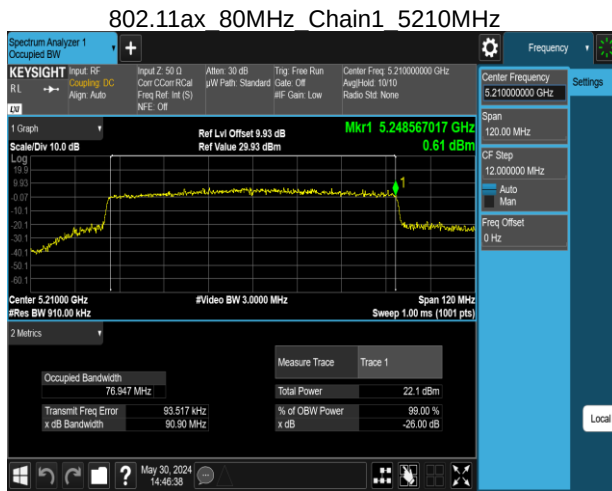
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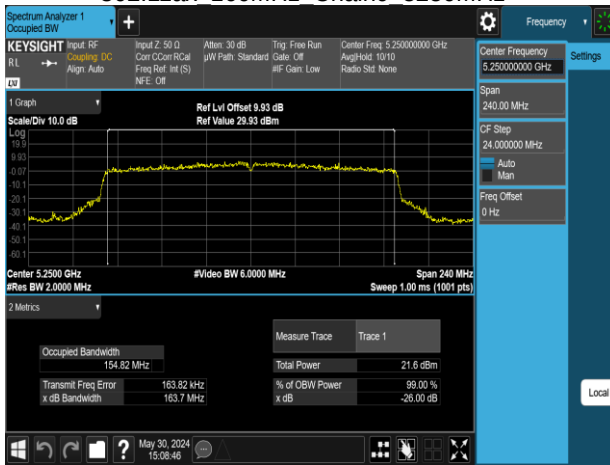




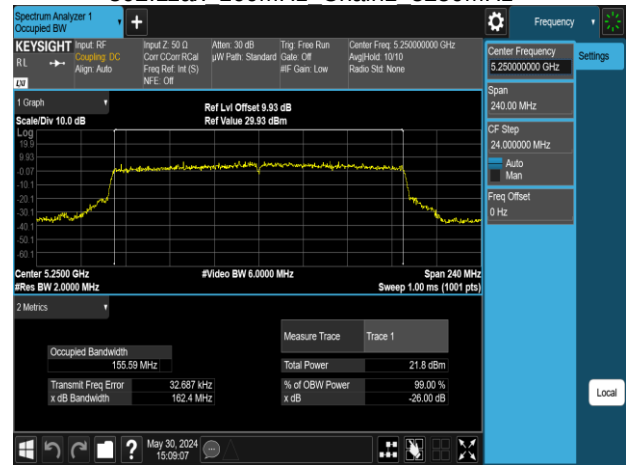
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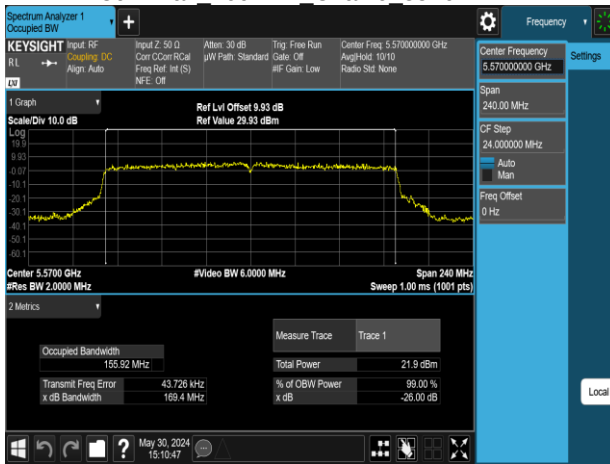
802.11ax 160MHz Chain0 5250MHz



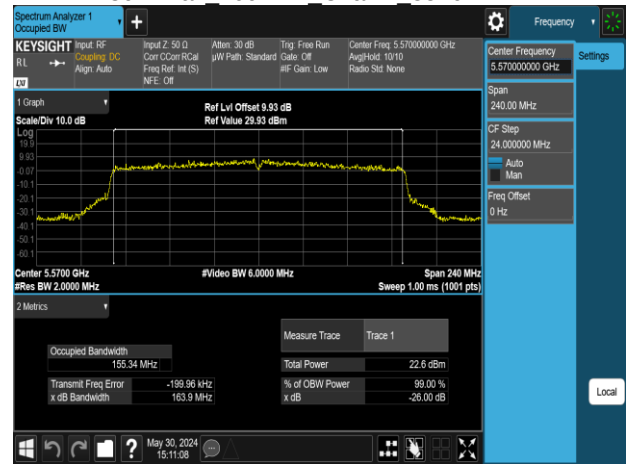
802.11ax 160MHz Chain1 5250MHz



802.11ax 160MHz Chain0 5570MHz



802.11ax 160MHz Chain1 5570MHz





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Beamformig

Temperature:	20.3 ~ 25.3℃	Test date:	May 21 ~ July 10, 2024
Humidity:	53 ~ 64% RH	Tested by:	Marco Chan

Occupied Bandwidth(99%)

802.11n_HT20_Ch0

Frequency (MHz)	99% BW (MHz)	10 Log (B) (dB)
5180	17.813	12.510
5220	17.816	12.510
5240	17.765	12.500
5260	17.704	12.480
5300	17.787	12.500
5320	17.725	12.490
5500	17.743	12.490
5580	17.693	12.480
5700	17.645	12.470

802.11n_HT20_Ch0

Frequency (MHz)	99% BW (MHz)	6dB BW (MHz)
5745	18.663	17.76
5785	18.462	17.54
5825	18.021	17.43



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802.11n_HT20_Ch1

Frequency (MHz)	99% BW (MHz)	10 Log (B) (dB)
5180	17.681	12.480
5220	17.796	12.500
5240	17.756	12.490
5260	17.721	12.480
5300	17.672	12.470
5320	17.641	12.470
5500	17.566	12.450
5580	17.664	12.470
5700	17.637	12.460

802.11n_HT20_Ch1

Frequency (MHz)	99% BW (MHz)	6dB BW (MHz)
5745	18.107	16.98
5785	18.257	17.61
5825	18.508	17.69

802.11n_HT40_Ch0

Frequency (MHz)	99% BW (MHz)	10 Log (B) (dB)
5190	36.153	15.580
5230	36.321	15.600
5270	35.496	15.500
5310	36.238	15.590
5510	36.178	15.580
5550	36.147	15.580
5670	36.168	15.580

802.11n_HT40_Ch0

Frequency (MHz)	99% BW (MHz)	6dB BW (MHz)
5755	36.316	36.25
5795	36.348	36.10

802.11n_HT40_Ch1

Frequency (MHz)	99% BW (MHz)	10 Log (B) (dB)
5190	36.157	15.580
5230	36.404	15.610
5270	36.287	15.600
5310	36.048	15.570
5510	36.189	15.590
5550	36.242	15.590
5670	36.146	15.580

802.11n_HT40_Ch1

Frequency (MHz)	99% BW (MHz)	6dB BW (MHz)
5755	36.320	36.36
5795	36.274	36.30

802.11ac_VHT80_Ch0

Frequency (MHz)	99% BW (MHz)	10 Log (B) (dB)
5210	75.573	18.780
5290	75.592	18.780
5530	75.495	18.780
5610	75.715	18.790

802.11ac_VHT80_Ch0

Frequency (MHz)	99% BW (MHz)	6dB BW (MHz)
5775	75.781	76.32

802.11ac_VHT80_Ch1

Frequency (MHz)	99% BW (MHz)	10 Log (B) (dB)
5210	75.649	18.790
5290	75.502	18.780
5530	75.517	18.780
5610	75.652	18.790

802.11ac_VHT80_Ch1

Frequency (MHz)	99% BW (MHz)	6dB BW (MHz)
5775	75.790	76.35



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802.11ac_VHT160_Ch0

Frequency (MHz)	99% BW (MHz)	10 Log (B) (dB)
5250	153.61	21.860
5570	154.32	21.880

802.11ac_VHT160_Ch1

Frequency (MHz)	99% BW (MHz)	10 Log (B) (dB)
5250	153.39	21.860
5570	153.73	21.870



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802.11ax_HE20_Ch0

Frequency (MHz)	RU config	99% BW (MHz)	10 Log (B) (dB)
5180	full	18.938	12.770
5220	full	19.082	12.810
5240	full	18.958	12.780
5260	full	18.980	12.780
5300	full	18.942	12.770
5320	full	18.920	12.770
5500	full	18.934	12.770
5580	full	18.918	12.770
5700	full	19.005	12.790

802.11ax_HE20_Ch0

Frequency (MHz)	RU config	99% BW (MHz)	6dB BW (MHz)
5745	full	19.335	18.98
5785	full	19.425	18.88
5825	full	19.242	18.95

802.11ax_HE20_Ch1

Frequency (MHz)	RU config	99% BW (MHz)	10 Log (B) (dB)
5180	full	18.950	12.780
5220	full	19.055	12.800
5240	full	18.947	12.780
5260	full	18.953	12.780
5300	full	18.917	12.770
5320	full	18.930	12.770
5500	full	18.942	12.770
5580	full	18.959	12.780
5700	full	18.963	12.780

802.11ax_HE20_Ch1

Frequency (MHz)	RU config	99% BW (MHz)	6dB BW (MHz)
5745	full	19.268	18.97
5785	full	19.306	18.98
5825	full	19.491	19.04

802.11ax_HE40_Ch0

Frequency (MHz)	RU config	99% BW (MHz)	10 Log (B) (dB)
5190	full	37.730	15.770
5230	full	38.050	15.800
5270	full	37.867	15.780
5310	full	37.681	15.760
5510	full	37.756	15.770
5550	full	37.721	15.770
5670	full	37.760	15.770

802.11ax_HE40_Ch0

Frequency (MHz)	RU config	99% BW (MHz)	6dB BW (MHz)
5755	full	38.059	38.01
5795	full	38.444	38.09

802.11ax_HE40_Ch1

Frequency (MHz)	RU config	99% BW (MHz)	10 Log (B) (dB)
5190	full	37.685	15.760
5230	full	37.997	15.800
5270	full	37.766	15.770
5310	full	37.755	15.770
5510	full	37.679	15.760
5550	full	37.777	15.770
5670	full	37.682	15.760

802.11ax_HE40_Ch1

Frequency (MHz)	RU config	99% BW (MHz)	6dB BW (MHz)
5755	full	38.044	37.72
5795	full	38.297	37.64

802.11ax_HE80_Ch0

Frequency (MHz)	RU config	99% BW (MHz)	10 Log (B) (dB)
5210	full	77.353	18.880
5290	full	76.804	18.850
5530	full	77.047	18.870
5610	full	77.365	18.890

802.11ax_HE80_Ch0

Frequency (MHz)	RU config	99% BW (MHz)	6dB BW (MHz)
5775	full	76.982	75.22

802.11ax_HE80_Ch1

Frequency (MHz)	RU config	99% BW (MHz)	10 Log (B) (dB)
5210	full	77.343	18.880
5290	full	77.273	18.880
5530	full	77.249	18.880
5610	full	77.236	18.880

802.11ax_HE80_Ch1

Frequency (MHz)	RU config	99% BW (MHz)	6dB BW (MHz)
5775	full	77.376	77.39



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802.11ax_HE160_Ch0

Frequency (MHz)	RU config	99% BW (MHz)	10 Log (B) (dB)
5250	full	155.36	21.910
5570	full	154.61	21.890

802.11ax_HE160_Ch1

Frequency (MHz)	RU config	99% BW (MHz)	10 Log (B) (dB)
5250	full	155.13	21.910
5570	full	155.87	21.930

6 dB Bandwidth & 26 dB Bandwidth

802.11n_HT20_Ch0

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5180	21.95	13.410
5220	22.01	13.430
5240	24.42	13.880
5260	21.34	13.290
5300	21.19	13.260
5320	20.79	13.180
5500	20.51	13.120
5580	21.17	13.260
5700	20.85	13.190

802.11n_HT20_Ch1

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5180	21.18	13.260
5220	26.96	14.310
5240	19.87	12.980
5260	20.88	13.200
5300	21.01	13.220
5320	20.73	13.170
5500	20.61	13.140
5580	20.87	13.200
5700	19.93	13.000

802.11n_HT20_Ch0

Freq. (MHz)	6dB BW (MHz)	10 Log (B) (dB)
5745	17.73	12.490
5785	17.58	12.450
5825	15.75	11.970

802.11n_HT20_Ch1

Freq. (MHz)	6dB BW (MHz)	10 Log (B) (dB)
5745	13.72	11.370
5785	16.04	12.050
5825	17.61	12.460

802.11n_HT20_Ch0

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5240	5248.883704	< 5250
5745	5735.809684	> 5725

802.11n_HT20_Ch1

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5240	5248.820013	< 5250
5745	5735.910789	> 5725

Note: The measurement results of all 6dBc test channels are greater than 500kHz.



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802.11n_HT40_Ch0

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5190	40.45	16.070
5230	48.28	16.840
5270	40.11	16.030
5310	40.93	16.120
5510	40.54	16.080
5550	40.85	16.110
5670	40.73	16.100

802.11n_HT40_Ch0

Freq. (MHz)	6dB BW (MHz)	10 Log (B) (dB)
5755	35.75	15.530
5795	35.30	15.480

802.11n_HT40_Ch0

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5230	5247.780935	< 5250
5755	5736.874433	> 5725

802.11n_HT40_Ch1

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5190	40.21	16.040
5230	52.03	17.160
5270	42.59	16.290
5310	40.30	16.050
5510	40.37	16.060
5550	41.10	16.140
5670	40.60	16.090

802.11n_HT40_Ch1

Freq. (MHz)	6dB BW (MHz)	10 Log (B) (dB)
5755	36.09	15.570
5795	36.40	15.610

802.11n_HT40_Ch1

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5230	5248.120427	< 5250
5755	5736.848235	> 5725

Note: The measurement results of all 6dBc test channels are greater than 500kHz.

802.11ac_VHT80_Ch0

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5210	80.20	19.040
5290	79.80	19.020
5530	79.63	19.010
5610	87.59	19.420

802.11ac_VHT80_Ch0

Freq. (MHz)	6dB BW (MHz)	10 Log (B) (dB)
5775	75.23	18.760

802.11ac_VHT80_Ch0

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5210	5247.820067	< 5250
5775	5737.164438	> 5725

802.11ac_VHT80_Ch1

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5210	79.90	19.030
5290	79.82	19.020
5530	80.01	19.030
5610	83.21	19.200

802.11ac_VHT80_Ch1

Freq. (MHz)	6dB BW (MHz)	10 Log (B) (dB)
5775	76.40	18.830

802.11ac_VHT80_Ch1

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5210	5247.770620	< 5250
5775	5737.243423	> 5725

Note: The measurement results of all 6dBc test channels are greater than 500kHz.

802.11ac_VHT160_Ch0

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5250	160.7	22.060
5570	161.3	22.080

802.11ac_VHT160_Ch1

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5250	160.1	22.040
5570	160.9	22.070

Note: The measurement results of all 6dBc test channels are greater than 500kHz.

802.11ax_HE20_Ch0

Freq. (MHz)	RU config	26dB BW (MHz)	10 Log (B) (dB)
5180	full	21.32	13.290
5220	full	28.25	14.510
5240	full	28.90	14.610
5260	full	21.19	13.260
5300	full	21.28	13.280
5320	full	21.14	13.250
5500	full	21.80	13.380
5580	full	22.24	13.470
5700	full	21.84	13.390

802.11ax_HE20_Ch0

Freq. (MHz)	RU config	6dB BW (MHz)	10 Log (B) (dB)
5745	full	18.98	12.780
5785	full	18.96	12.780
5825	full	18.75	12.730

802.11ax_HE20_Ch0

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5240	5249.507950	< 5250
5745	5735.366104	> 5725

802.11ax_HE20_Ch1

Freq. (MHz)	RU config	26dB BW (MHz)	10 Log (B) (dB)
5180	full	20.90	13.200
5220	full	27.31	14.360
5240	full	28.82	14.600
5260	full	21.85	13.390
5300	full	21.60	13.340
5320	full	21.45	13.310
5500	full	21.91	13.410
5580	full	20.99	13.220
5700	full	22.04	13.430

802.11ax_HE20_Ch1

Freq. (MHz)	RU config	6dB BW (MHz)	10 Log (B) (dB)
5745	full	18.62	12.700
5785	full	18.12	12.580
5825	full	18.34	12.630

802.11ax_HE20_Ch1

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5240	5249.457779	< 5250
5745	5735.308046	> 5725

Note: The measurement results of all 6dBc test channels are greater than 500kHz.

802.11ax_HE40_Ch1

Freq. (MHz)	RU config	26dB BW (MHz)	10 Log (B) (dB)
5190	full	39.44	15.960
5230	full	59.87	17.770
5270	full	39.55	15.970
5310	full	39.33	15.950
5510	full	39.34	15.950
5550	full	39.43	15.960
5670	full	39.57	15.970

802.11ax_HE40_Ch0

Freq. (MHz)	RU config	26dB BW (MHz)	10 Log (B) (dB)
5190	full	39.54	15.970
5230	full	59.78	17.770
5270	full	39.39	15.950
5310	full	39.29	15.940
5510	full	39.44	15.960
5550	full	39.50	15.970
5670	full	39.43	15.960

802.11ax_HE40_Ch1

Freq. (MHz)	RU config	6dB BW (MHz)	10 Log (B) (dB)
5755	full	37.66	15.760
5795	full	37.67	15.760

802.11ax_HE40_Ch0

Freq. (MHz)	RU config	6dB BW (MHz)	10 Log (B) (dB)
5755	full	37.74	15.770
5795	full	37.72	15.770

802.11ax_HE40_Ch1

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5230	5249.010792	< 5250
5755	5735.922547	> 5725

802.11ax_HE40_Ch0

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5230	5248.984811	< 5250
5755	5735.933409	> 5725

Note: The measurement results of all 6dBc test channels are greater than 500kHz.

802.11ax_HE80_Ch1

Freq. (MHz)	RU config	26dB BW (MHz)	10 Log (B) (dB)
5210	full	80.13	19.040
5290	full	79.97	19.030
5530	full	80.40	19.050
5610	full	80.13	19.040

802.11ax_HE80_Ch0

Freq. (MHz)	RU config	26dB BW (MHz)	10 Log (B) (dB)
5210	full	80.10	19.040
5290	full	80.34	19.050
5530	full	80.01	19.030
5610	full	80.13	19.040

802.11ax_HE80_Ch1

Freq. (MHz)	RU config	6dB BW (MHz)	10 Log (B) (dB)
5775	full	77.69	18.900

802.11ax_HE80_Ch0

Freq. (MHz)	RU config	6dB BW (MHz)	10 Log (B) (dB)
5775	full	77.32	18.880

802.11ax_HE80_Ch1

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5210	5248.622827	< 5250
5775	5736.305585	> 5725

802.11ax_HE80_Ch0

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5210	5248.660423	< 5250
5775	5736.618346	> 5725

802.11ax_HE160_Ch0

Freq. (MHz)	RU config	26dB BW (MHz)	10 Log (B) (dB)
5250	full	161.4	22.080
5570	full	162.0	22.100

802.11ax_HE160_Ch1

Freq. (MHz)	RU config	26dB BW (MHz)	10 Log (B) (dB)
5250	full	161.8	22.090
5570	full	161.9	22.090

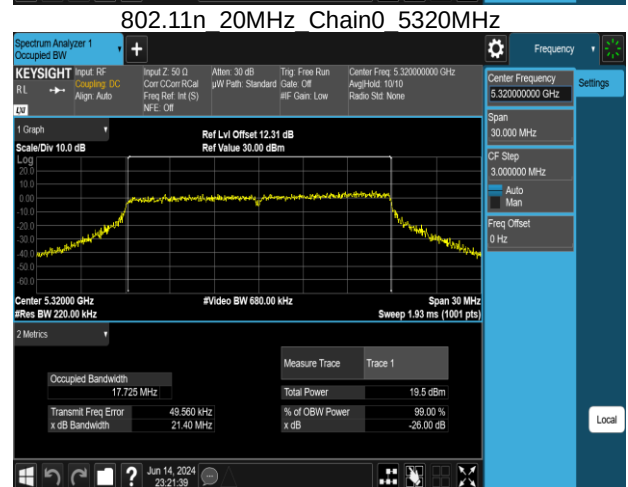
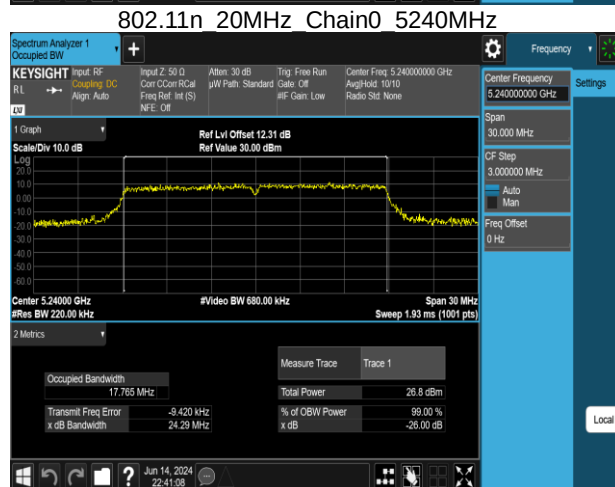
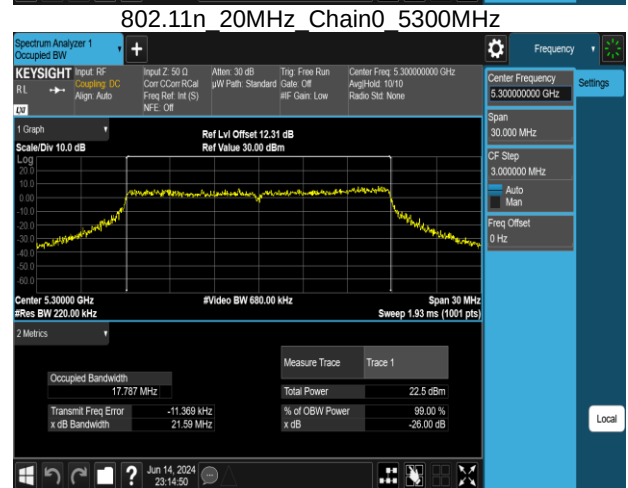
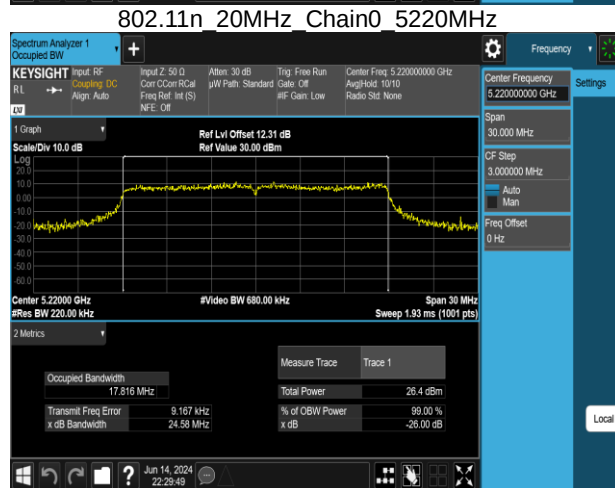
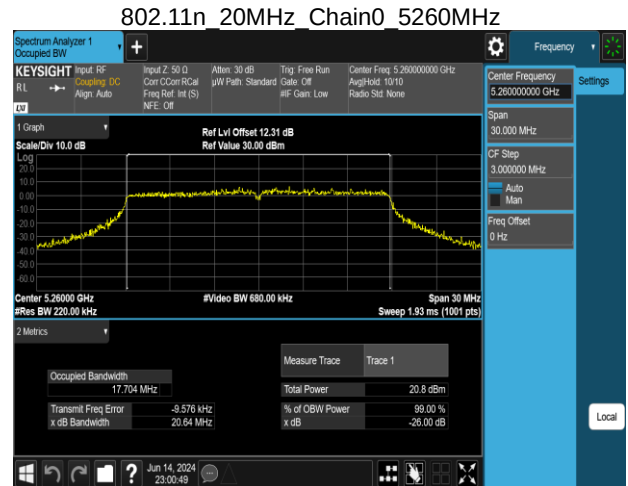
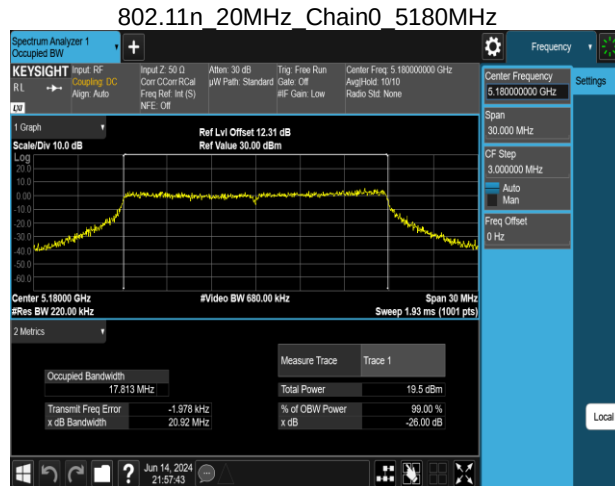
Note: The measurement results of all 6dBc test channels are greater than 500kHz.



Report No.: TMWK2309003309KR

Test Data

Occupied Bandwidth(99%)

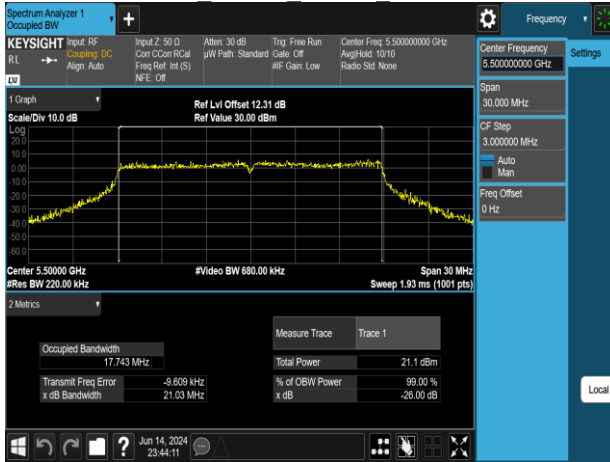




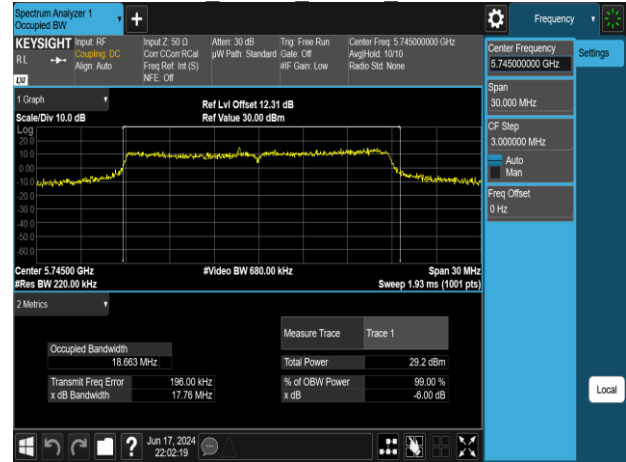
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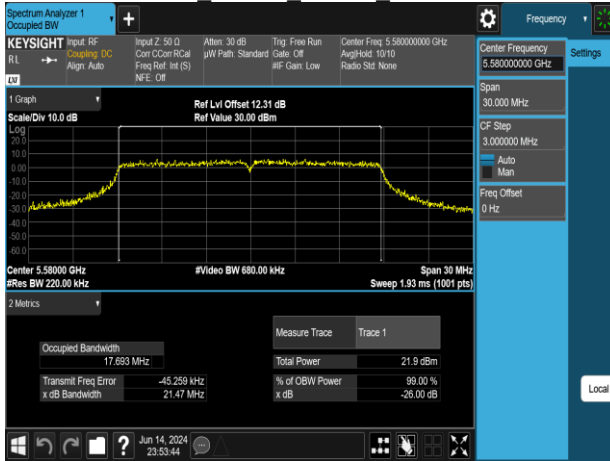
802.11n 20MHz Chain0 5500MHz



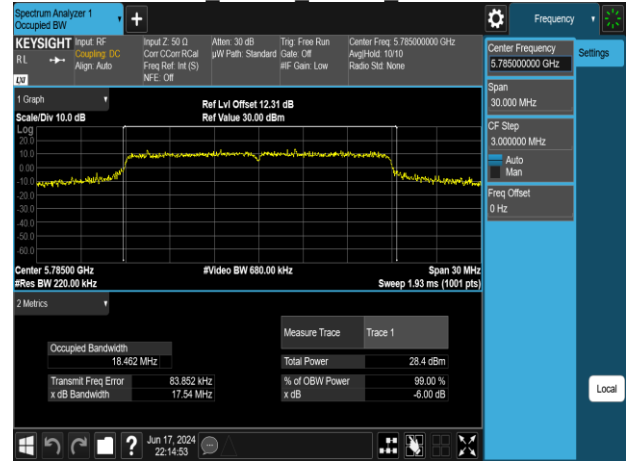
802.11n 20MHz Chain0 5745MHz



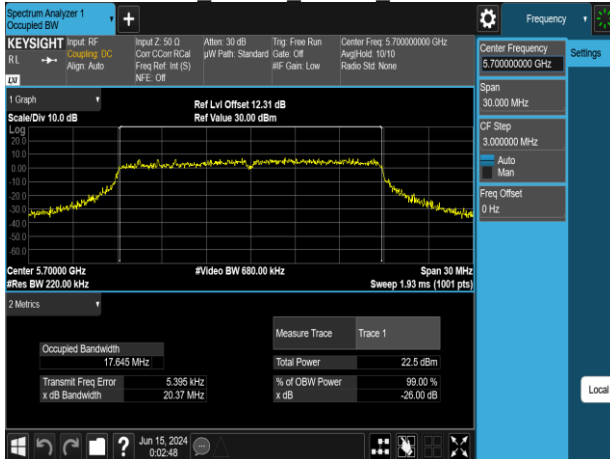
802.11n 20MHz Chain0 5580MHz



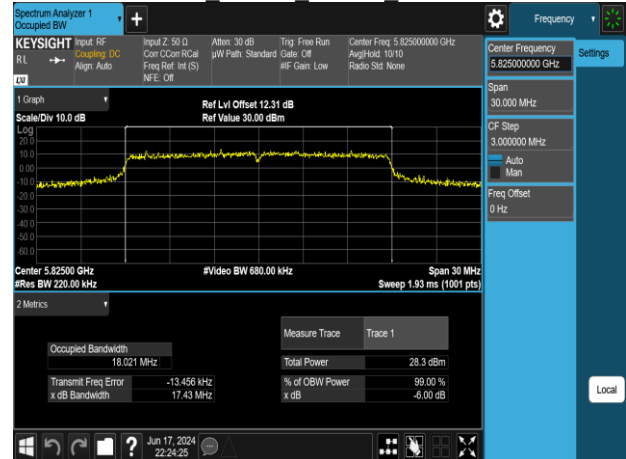
802.11n 20MHz Chain0 5785MHz



802.11n 20MHz Chain0 5700MHz



802.11n 20MHz Chain0 5825MHz

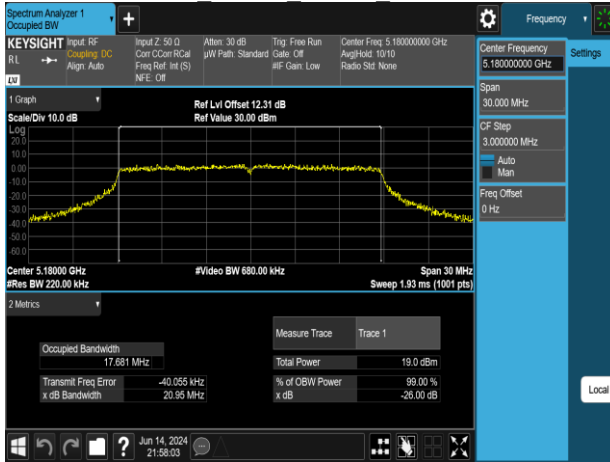




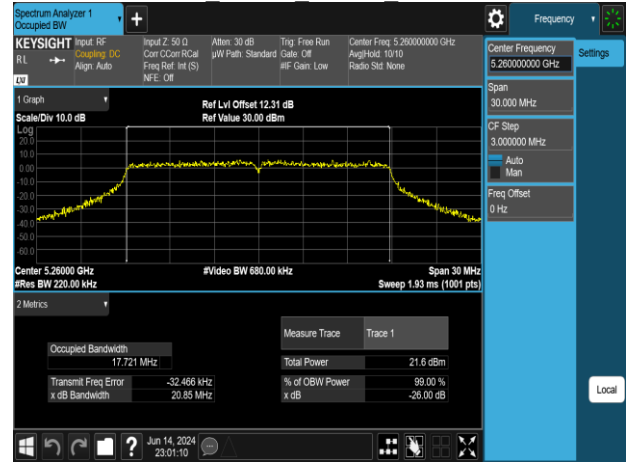
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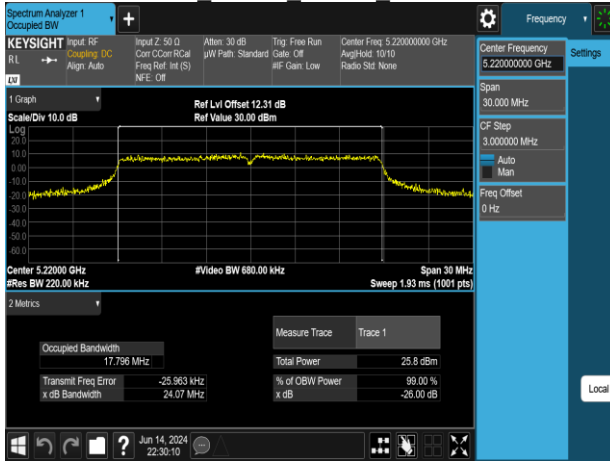
802.11n 20MHz Chain1 5180MHz



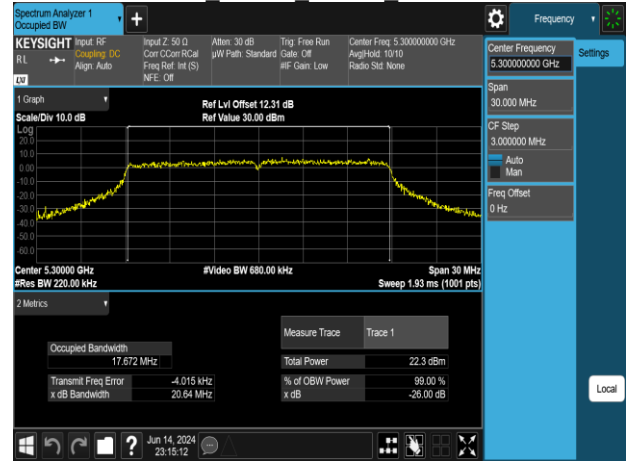
802.11n 20MHz Chain1 5260MHz



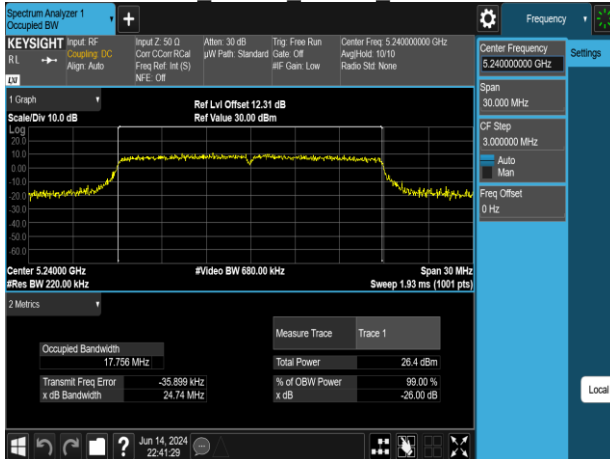
802.11n 20MHz Chain1 5220MHz



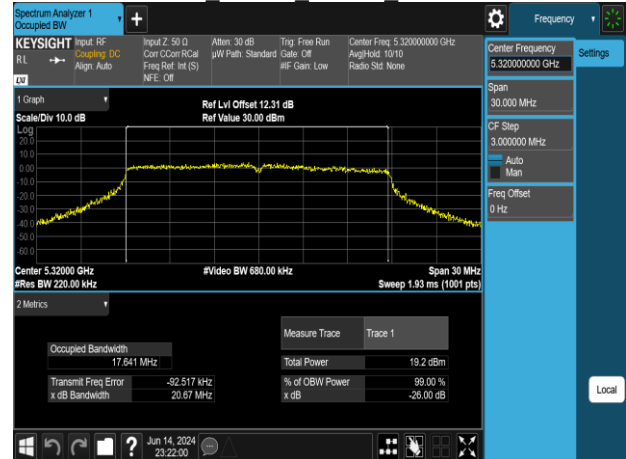
802.11n 20MHz Chain1 5300MHz



802.11n 20MHz Chain1 5240MHz



802.11n 20MHz Chain1 5320MHz

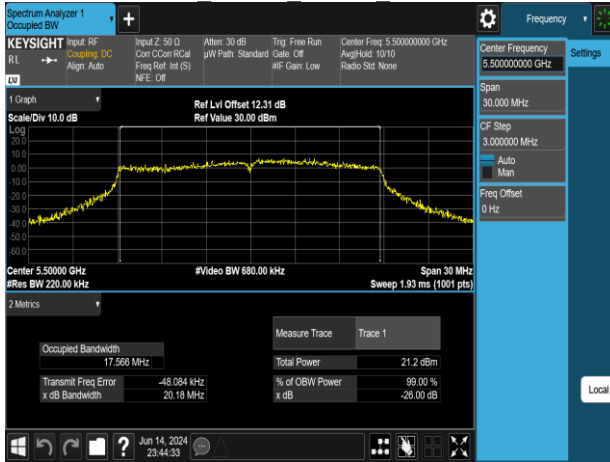




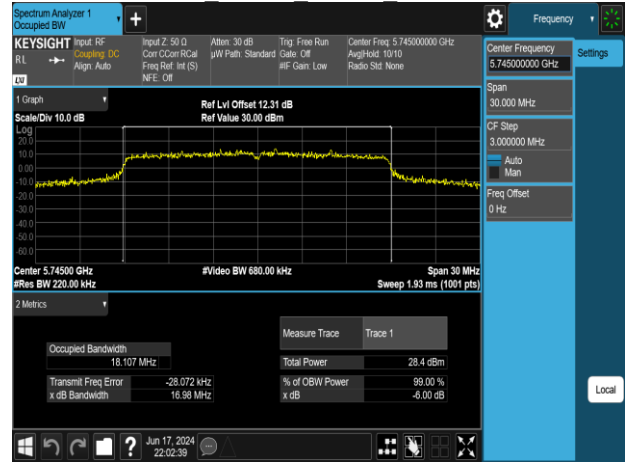
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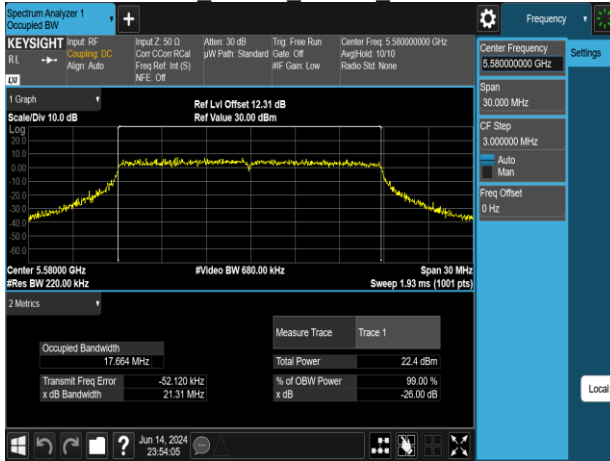
802.11n 20MHz Chain1 5500MHz



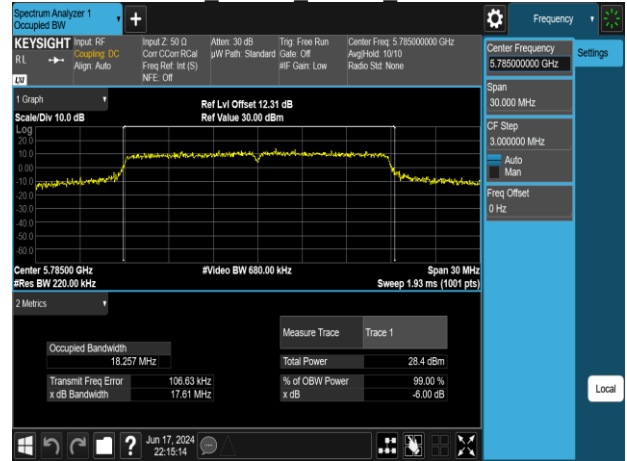
802.11n 20MHz Chain1 5745MHz



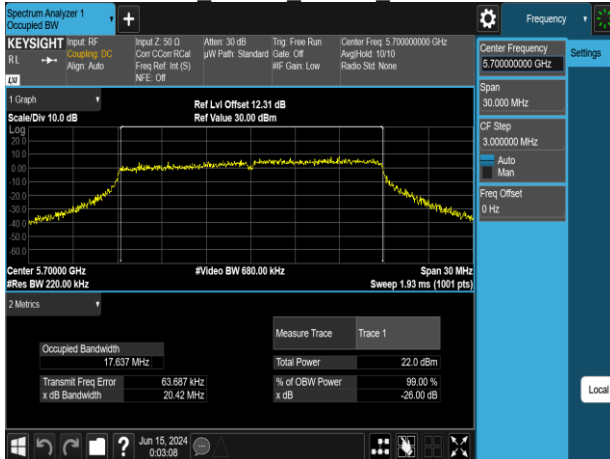
802.11n 20MHz Chain1 5580MHz



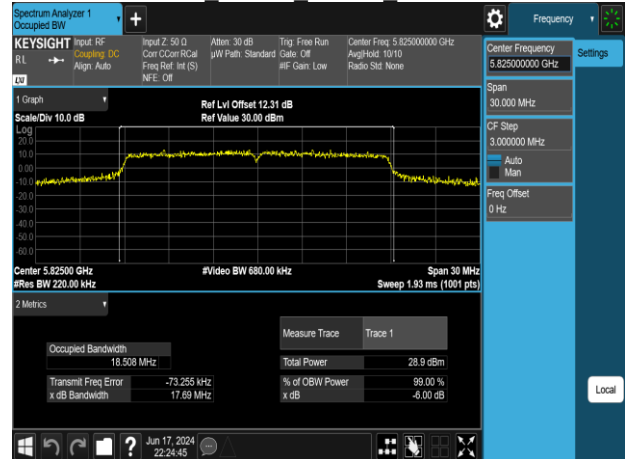
802.11n 20MHz Chain1 5785MHz



802.11n 20MHz Chain1 5700MHz



802.11n 20MHz Chain1 5825MHz

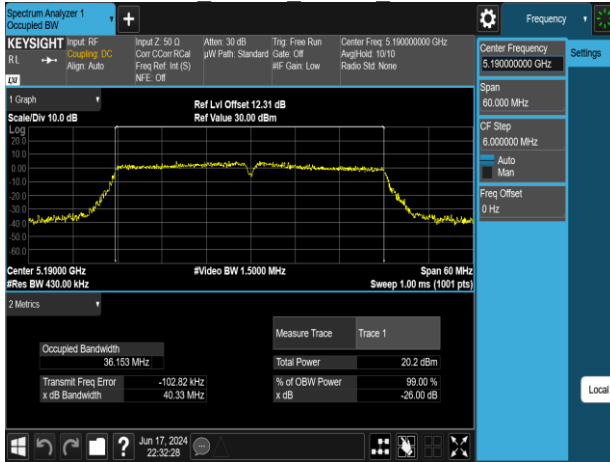




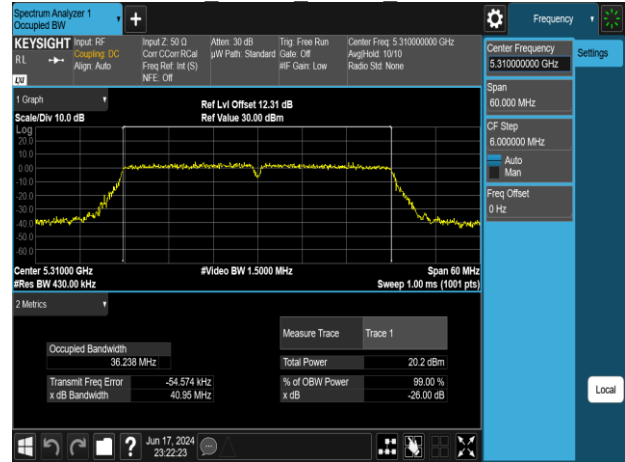
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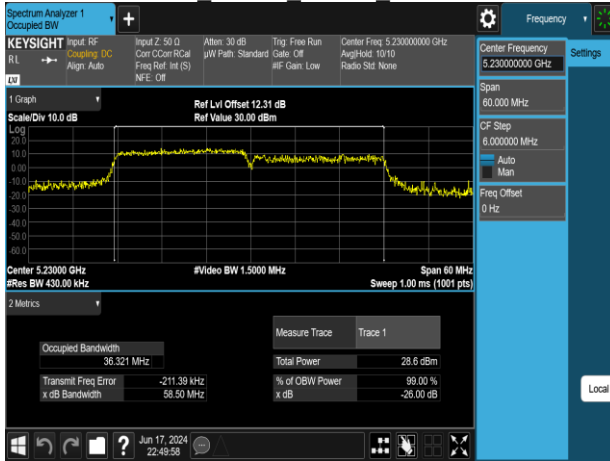
802.11n 40MHz Chain0 5190MHz



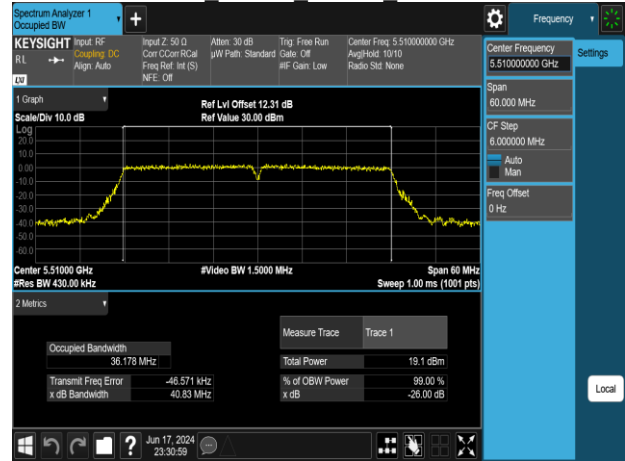
802.11n 40MHz Chain0 5310MHz



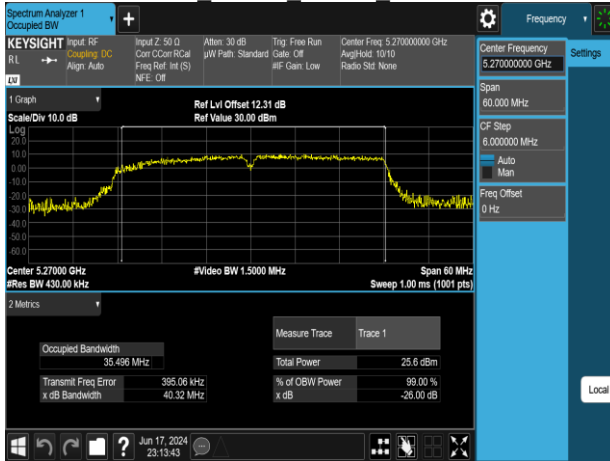
802.11n 40MHz Chain0 5230MHz



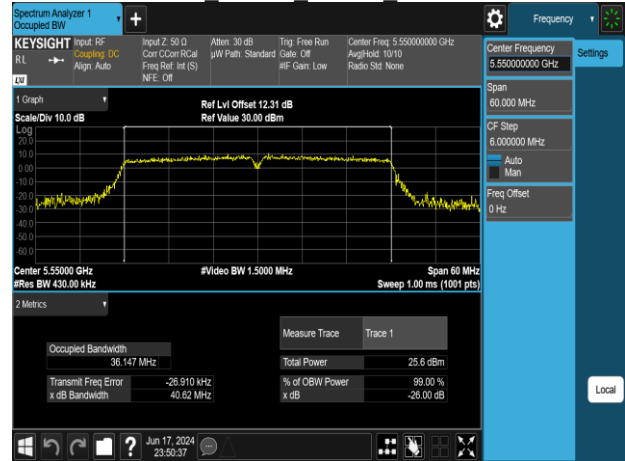
802.11n 40MHz Chain0 5510MHz



802.11n 40MHz Chain0 5270MHz



802.11n 40MHz Chain0 5550MHz

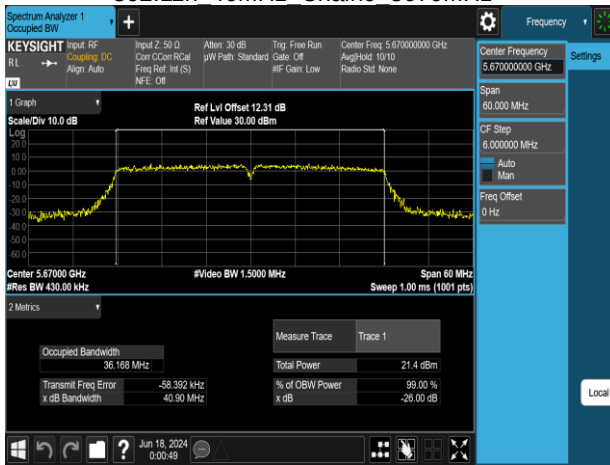




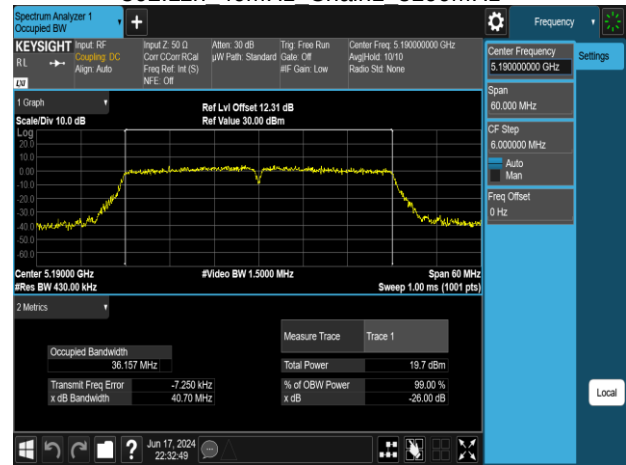
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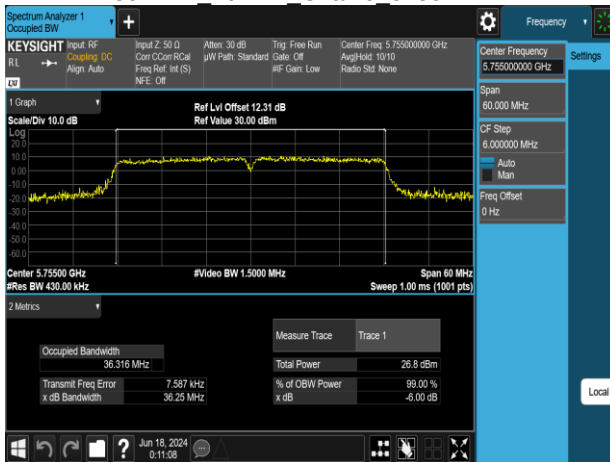
802.11n 40MHz Chain0 5670MHz



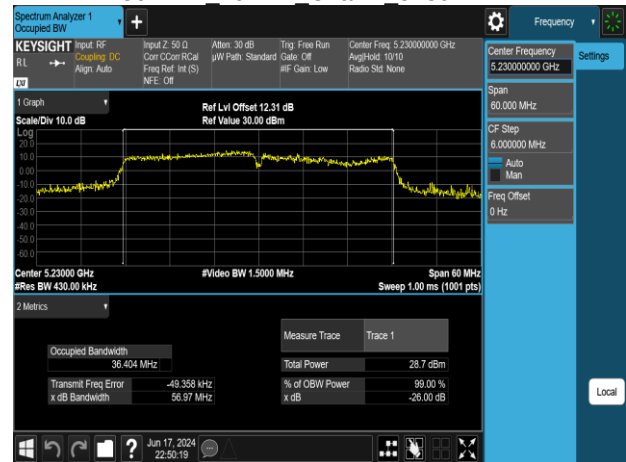
802.11n 40MHz Chain1 5190MHz



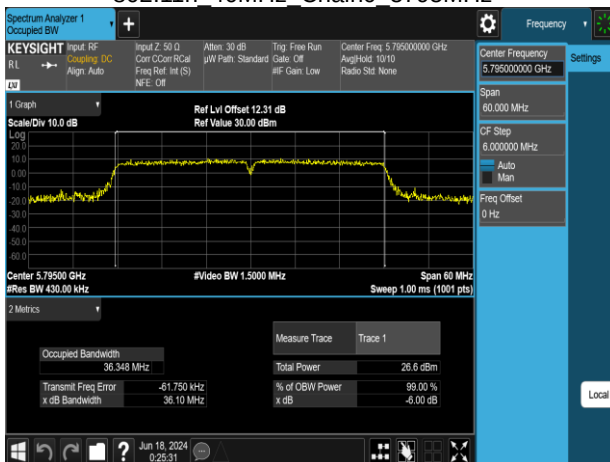
802.11n 40MHz Chain0 5755MHz



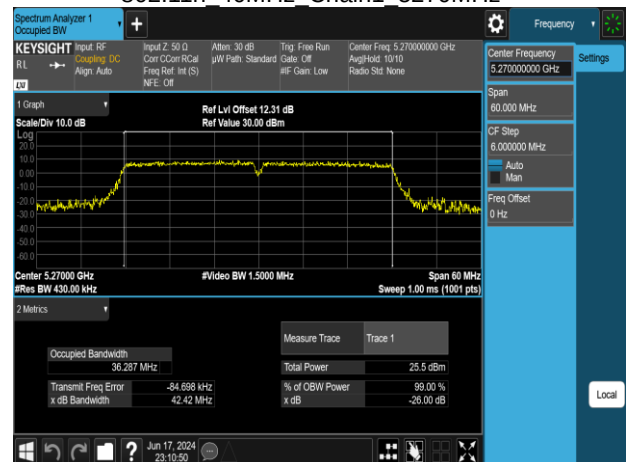
802.11n 40MHz Chain1 5230MHz



802.11n 40MHz Chain0 5795MHz



802.11n 40MHz Chain1 5270MHz

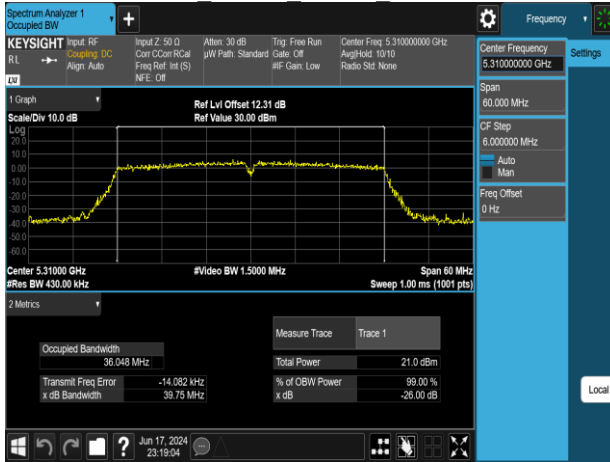




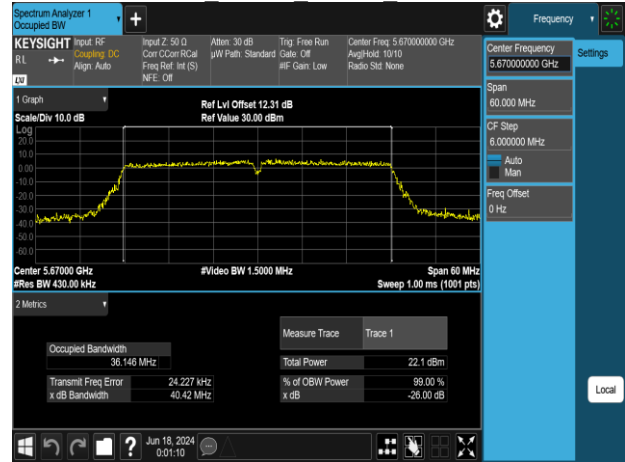
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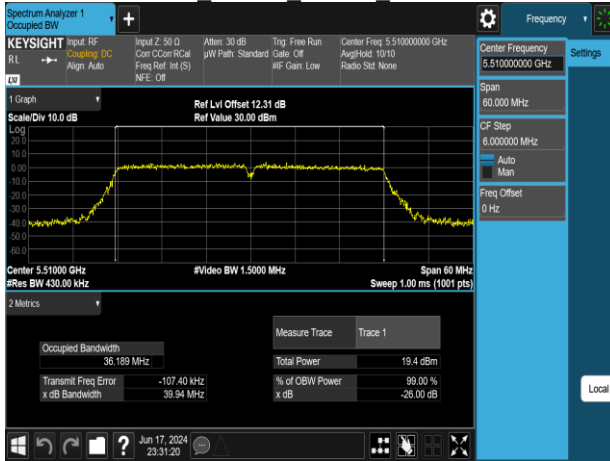
802.11n 40MHz Chain1 5310MHz



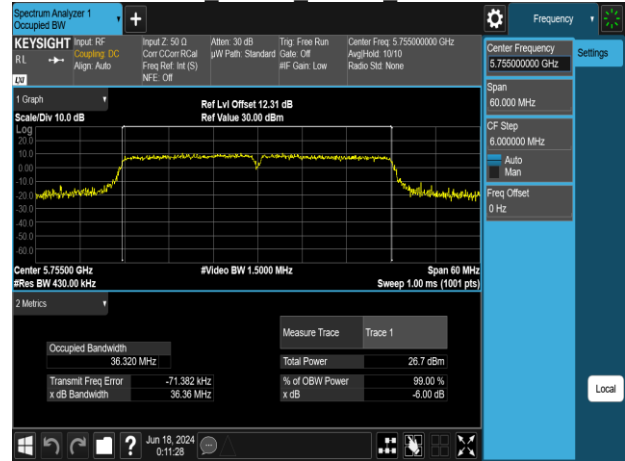
802.11n 40MHz Chain1 5670MHz



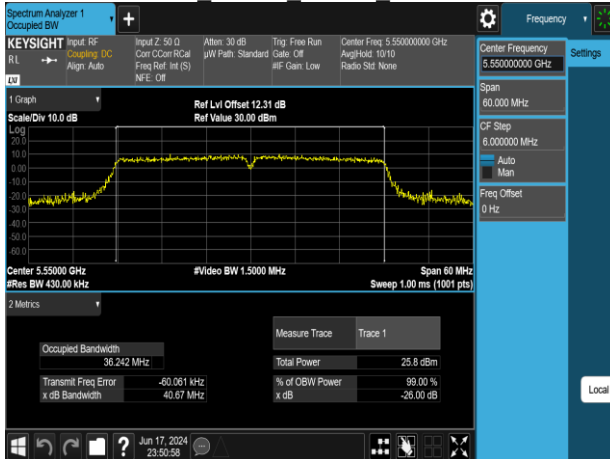
802.11n 40MHz Chain1 5510MHz



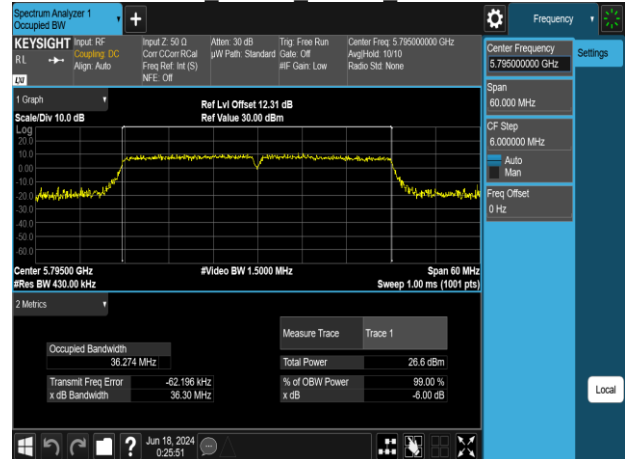
802.11n 40MHz Chain1 5755MHz



802.11n 40MHz Chain1 5550MHz



802.11n 40MHz Chain1 5795MHz





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