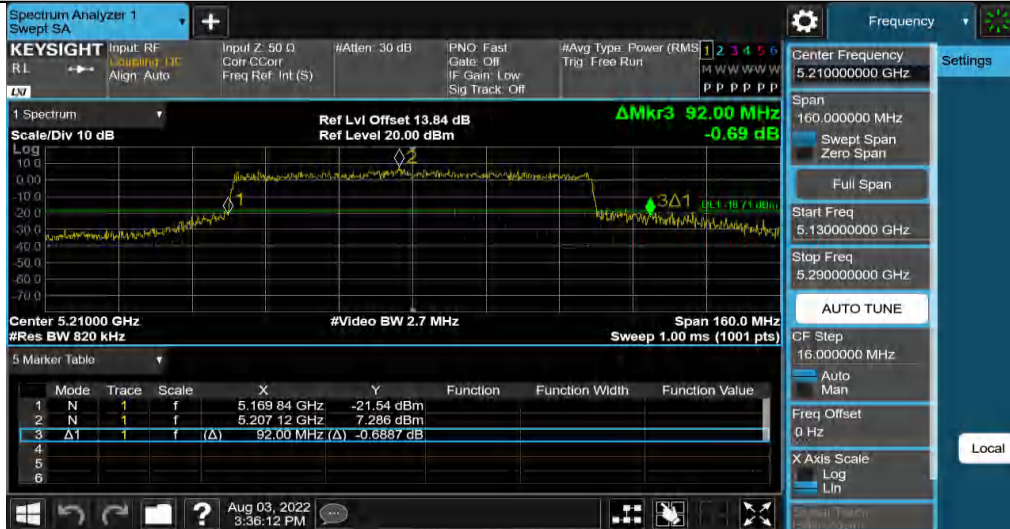




11AX80MIMO_Ant1_5210



11AX80MIMO_Ant1_5290



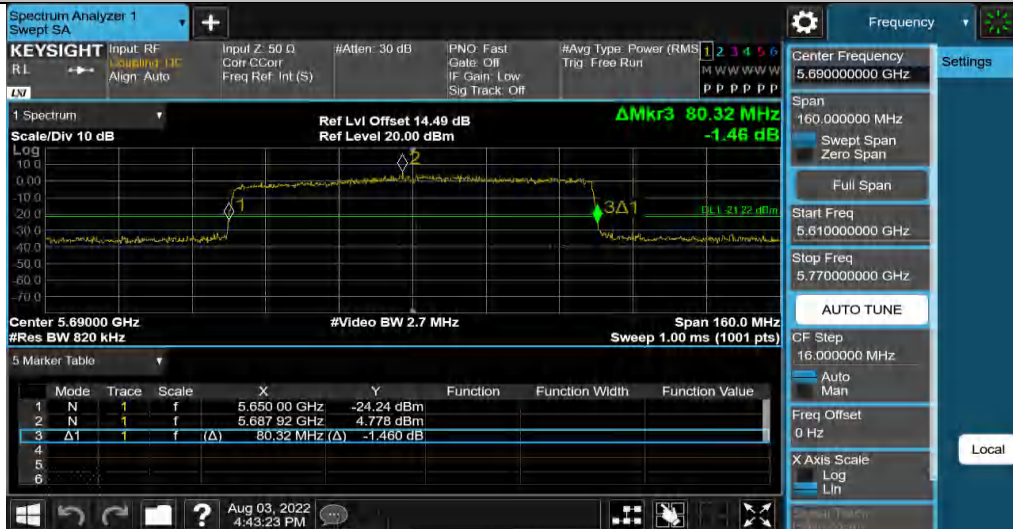
11AX80MIMO_Ant1_5530



11AX80MIMO_Ant1_5610



11AX80MIMO_Ant1_5690



11AX80MIMO_Ant1_5775



11AX160MIMO_Ant1_5250



11AX160MIMO_Ant1_5570



Appendix B.4: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	17.174	5171.538	5188.712	---	---
		5200	17.256	5191.339	5208.595	---	---
		5240	16.950	5231.578	5248.528	---	---
		5260	16.787	5251.670	5268.457	---	---
		5280	16.808	5271.625	5288.433	---	---
		5320	17.132	5311.474	5328.606	---	---
		5500	17.109	5491.452	5508.561	---	---
		5580	16.907	5571.553	5588.460	---	---
		5700	16.955	5691.500	5708.455	---	---
		5720	17.031	5711.4388	5728.4698	---	---
		5720_UNII-2C	13.561	5711.4388	5725	---	---
		5720_UNII-3	3.47	5725	5728.4698	---	---
		5745	16.996	5736.610	5753.606	---	---
		5785	16.766	5776.602	5793.368	---	---
11N20MIMO	Ant1	5180	18.145	5170.989	5189.134	---	---
		5200	18.201	5190.912	5209.113	---	---
		5240	39.134	5220.037	5259.171	---	---
		5260	17.894	5251.104	5268.998	---	---
		5280	17.880	5271.046	5288.926	---	---
		5320	18.028	5311.021	5329.049	---	---
		5500	18.085	5490.946	5509.031	---	---
		5580	17.940	5571.008	5588.948	---	---
		5700	19.091	5690.187	5709.278	---	---
		5720	17.912	5711.040	5728.952	---	---
		5720_UNII-2C	13.96	5711.040	5725	---	PASS
		5720_UNII-3	3.952	5725	5728.952	---	PASS
		5745	20.423	5735.852	5756.275	---	---
		5785	19.048	5775.420	5794.468	---	---
5825	20.569	5814.006	5834.575	---	---		
11N40MIMO	Ant1	5190	36.411	5171.829	5208.240	---	---
		5230	39.327	5210.030	5249.357	---	---
		5270	35.832	5252.153	5287.985	---	---
		5310	36.534	5291.819	5328.353	---	---
		5510	36.408	5491.819	5528.227	---	---
		5550	36.220	5531.942	5568.162	---	---
		5670	36.540	5651.766	5688.306	---	---
		5710	36.224	5691.928	5728.152	---	---
		5710_UNII-2C	33.072	5691.928	5725	---	PASS
		5710_UNII-3	3.152	5725	5728.152	---	PASS
11AC20MIMO	Ant1	5180	18.105	5170.997	5189.102	---	---
		5200	18.193	5190.882	5209.075	---	---
		5240	17.847	5231.087	5248.934	---	---
		5260	17.888	5251.089	5268.977	---	---
		5280	17.861	5271.096	5288.957	---	---
		5320	18.004	5311.001	5329.005	---	---
		5500	18.087	5490.953	5509.040	---	---
		5580	17.871	5571.049	5588.920	---	---
		5700	18.001	5690.951	5708.952	---	---
		5720	17.858	5711.087	5728.945	---	---
5720_UNII-2C	13.913	5711.087	5725	---	PASS		

		5720_UNII-3	3.945	5725	5728.945	---	PASS		
		5745	20.308	5735.840	5756.148	---	---		
		5785	18.741	5775.634	5794.375	---	---		
		5825	19.579	5814.892	5834.471	---	---		
11AC40MIMO	Ant1	5190	36.983	5171.609	5208.592	---	---		
		5230	40.813	5208.816	5249.629	---	---		
		5270	36.332	5251.854	5288.186	---	---		
		5310	36.508	5291.808	5328.316	---	---		
		5510	40.036	5490.398	5530.434	---	---		
		5550	36.170	5531.997	5568.167	---	---		
		5670	36.553	5651.809	5688.362	---	---		
		5710	36.330	5691.823	5728.153	---	---		
		5710_UNII-2C	33.177	5691.823	5725	---	PASS		
		5710_UNII-3	3.153	5725	5728.153	---	PASS		
		5755	41.131	5736.632	5777.763	---	---		
		5795	39.270	5774.970	5814.240	---	---		
		11AC80MIMO	Ant1	5210	77.009	5171.826	5248.835	---	---
				5290	75.644	5252.179	5327.823	---	---
5530	75.751			5492.185	5567.936	---	---		
5610	75.591			5572.198	5647.789	---	---		
5690	75.255			5652.335	5727.590	---	---		
5690_UNII-2C	72.665			5652.335	5725	---	PASS		
5690_UNII-3	2.59			5725	5727.590	---	PASS		
5775	75.237			5737.417	5812.654	---	---		
11AC160MIMO	Ant1	5250	154.81	5172.851	5327.661	---	---		
		5570	154.68	5492.278	5646.958	---	---		
		5180	19.189	5170.420	5189.609	---	---		
11AX20MIMO	Ant1	5200	19.172	5190.390	5209.562	---	---		
		5240	19.081	5230.482	5249.563	---	---		
		5260	19.088	5250.485	5269.573	---	---		
		5280	19.052	5270.489	5289.541	---	---		
		5320	19.130	5310.459	5329.589	---	---		
		5500	19.088	5490.460	5509.548	---	---		
		5580	19.098	5570.439	5589.537	---	---		
		5700	19.086	5690.447	5709.533	---	---		
		5720	19.094	5710.451	5729.545	---	---		
		5720_UNII-2C	14.549	5710.451	5725	---	PASS		
		5720_UNII-3	4.545	5725	5729.545	---	PASS		
		5745	19.181	5735.437	5754.618	---	---		
		5785	19.491	5775.222	5794.713	---	---		
		5825	19.938	5814.810	5834.748	---	---		
		11AX40MIMO	Ant1	5190	38.478	5170.886	5209.364	---	---
				5230	39.808	5209.914	5249.722	---	---
5270	37.528			5251.309	5288.837	---	---		
5310	37.856			5291.083	5328.939	---	---		
5510	37.891			5491.005	5528.896	---	---		
5550	37.638			5531.196	5568.834	---	---		
5670	37.866			5651.140	5689.006	---	---		
5710	37.569			5691.206	5728.775	---	---		
5710_UNII-2C	33.794			5691.206	5725	---	PASS		
5710_UNII-3	3.775			5725	5728.775	---	PASS		
5755	40.630			5736.035	5776.665	---	---		
5795	38.921			5775.444	5814.365	---	---		
11AX80MIMO	Ant1	5210	79.906	5170.945	5250.851	---	---		

		5290	77.390	5251.432	5328.822	---	---
		5530	77.291	5491.367	5568.658	---	---
		5610	77.200	5571.430	5648.630	---	---
		5690	76.716	5651.668	5728.384	---	---
		5690_UNII-2C	73.332	5651.668	5725	---	PASS
		5690_UNII-3	3.384	5725	5728.384	---	PASS
		5775	78.530	5735.782	5814.312	---	---
11AX160MIMO	Ant1	5250	155.91	5172.299	5328.209	---	---
		5570	156.08	5486.825	5642.905	---	---

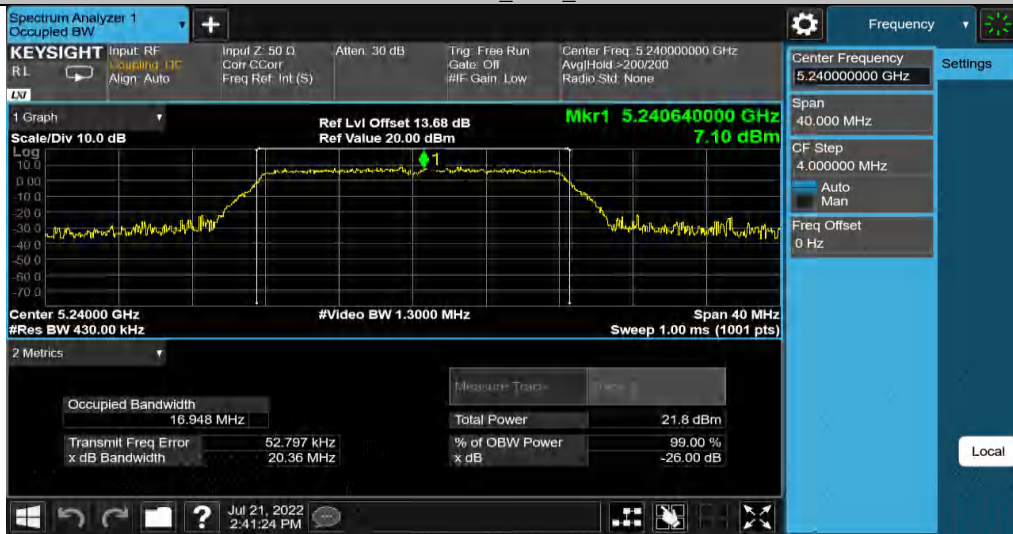
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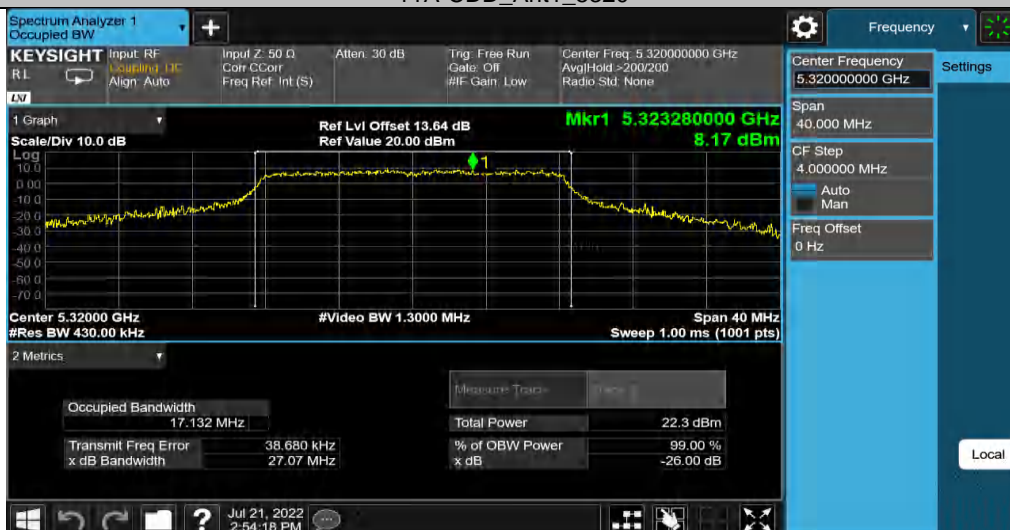
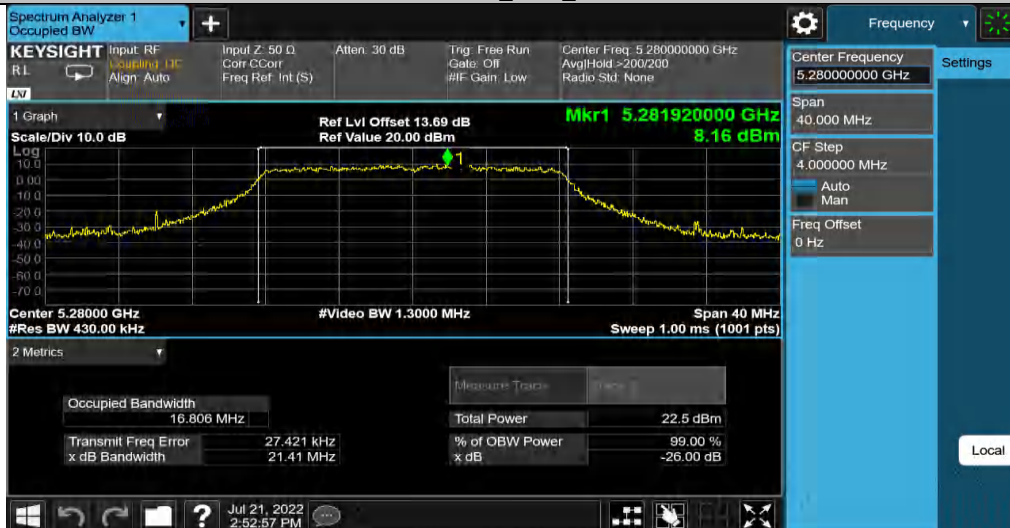
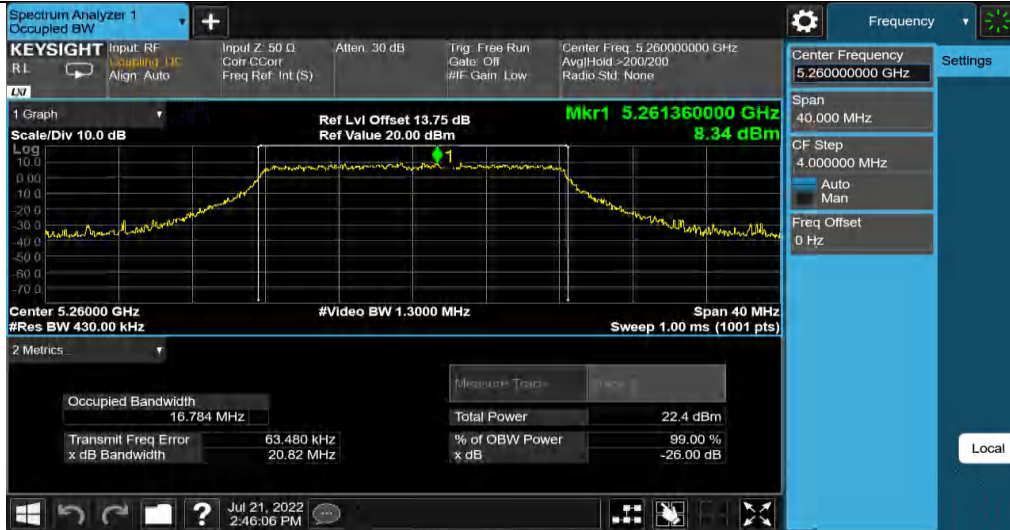
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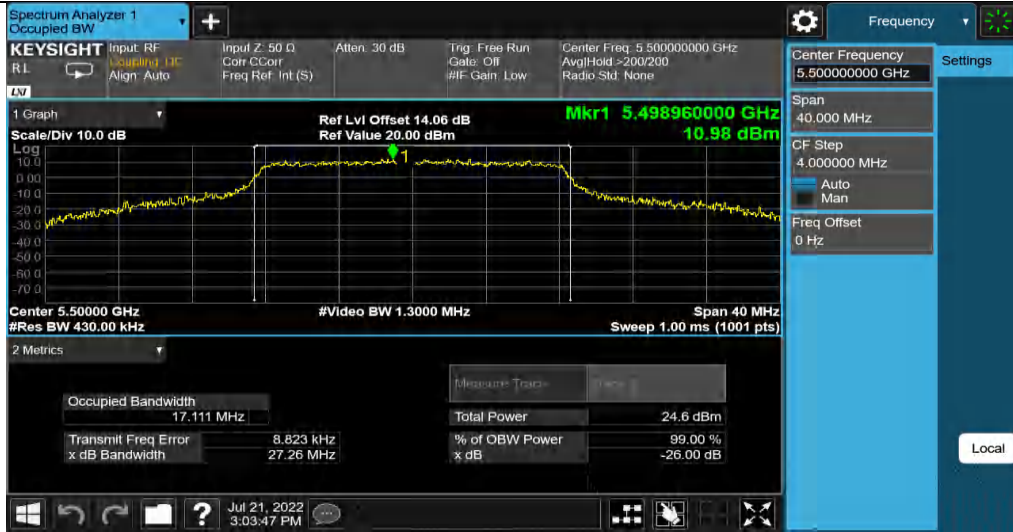


11A-CDD_Ant1_5240

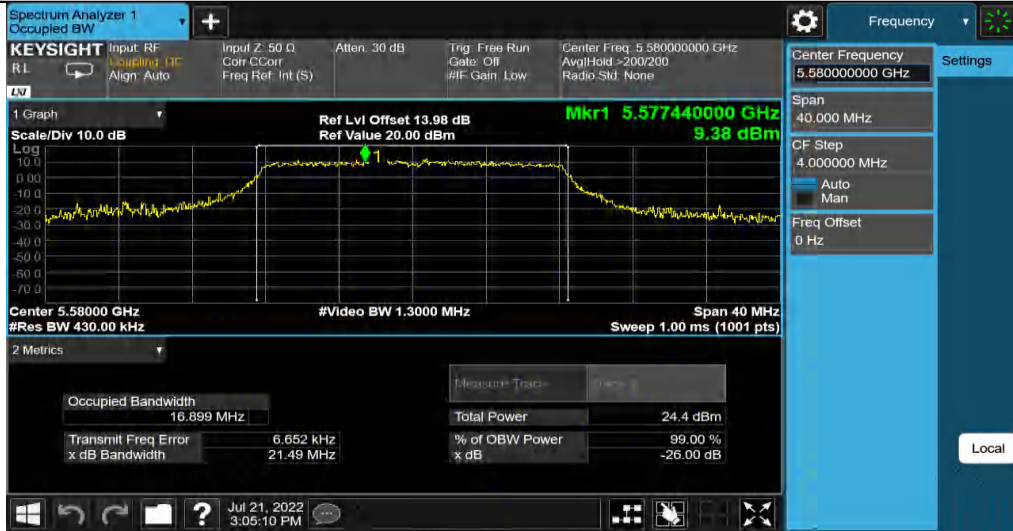


11A-CDD_Ant1_5260





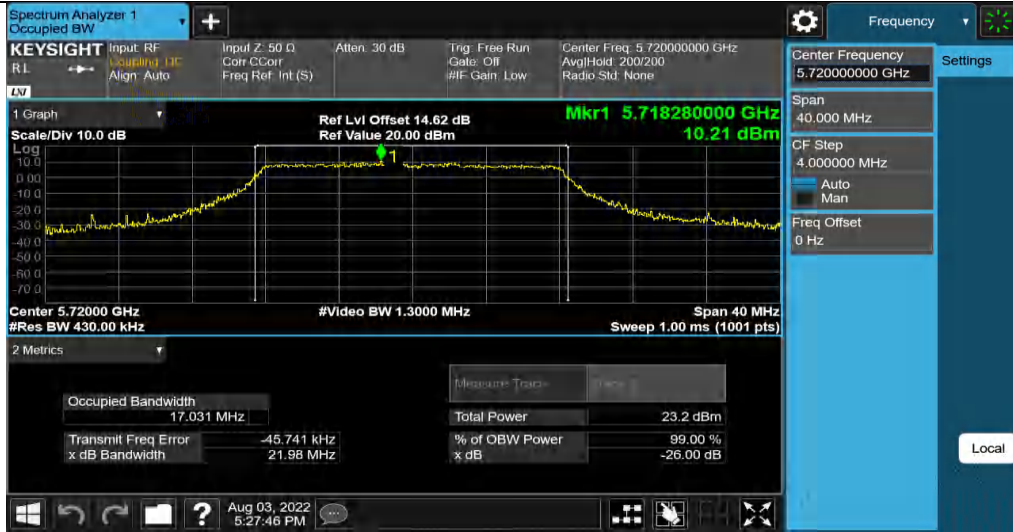
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11A-CDD_Ant1_5700



11A-CDD_Ant1_5720



11A-CDD_Ant1_5745

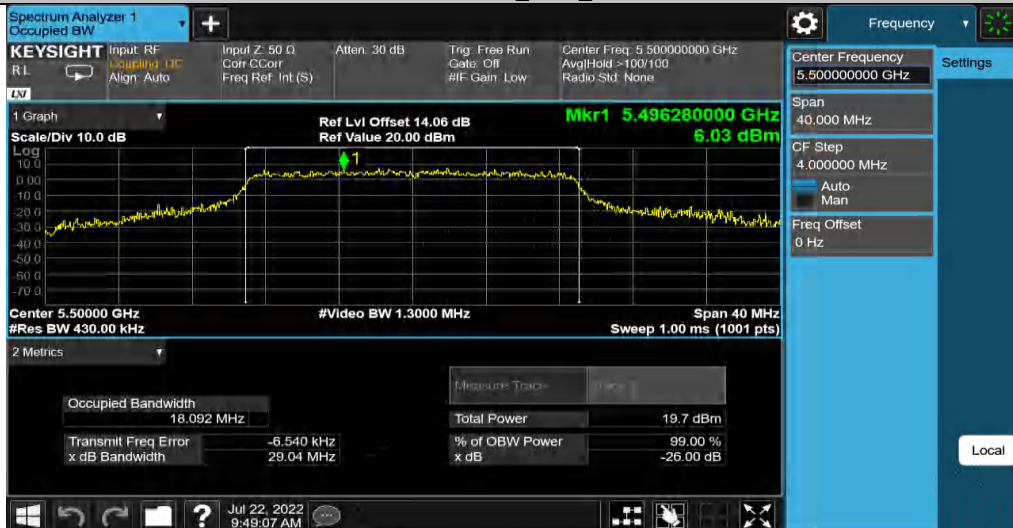


11A-CDD_Ant1_5785



11A-CDD_Ant1_5825



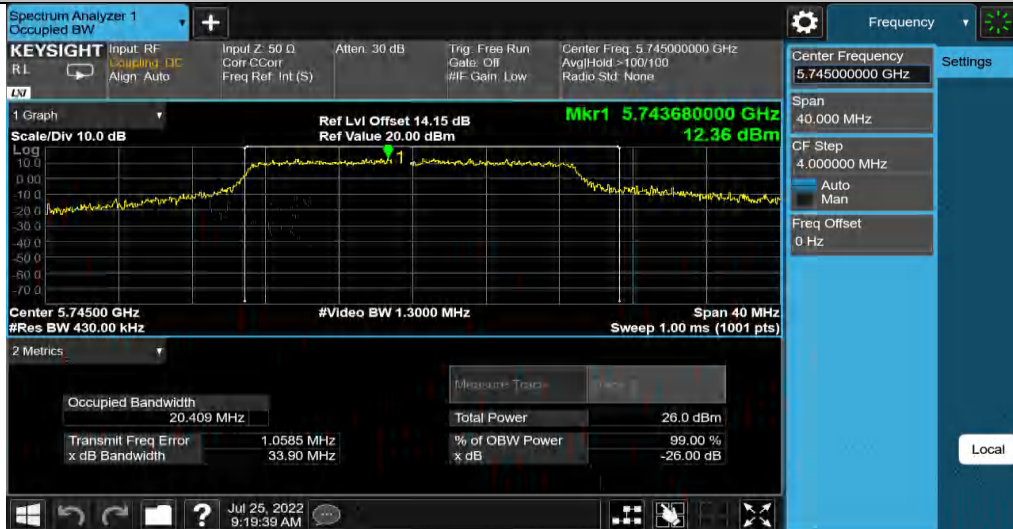




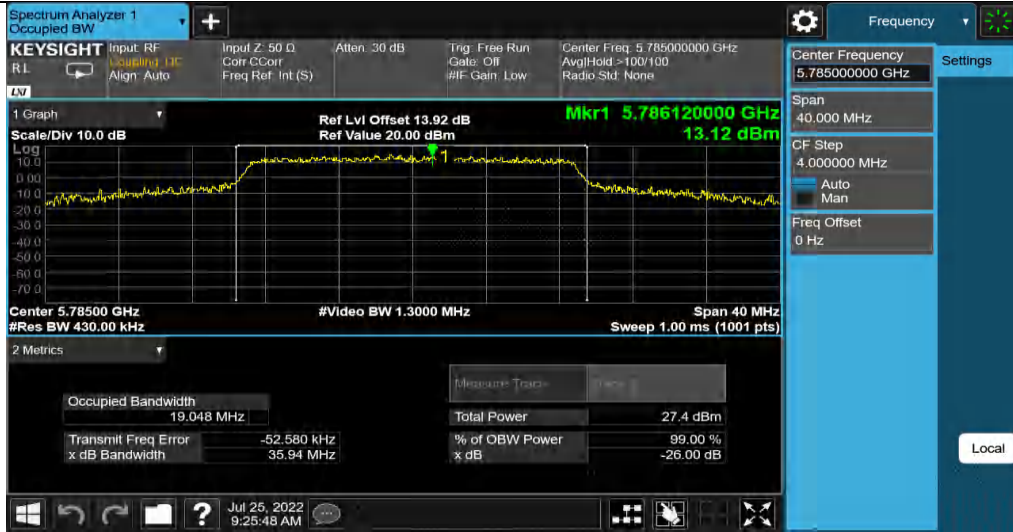
11N20MIMO_Ant1_5720



11N20MIMO_Ant1_5745



11N20MIMO_Ant1_5785



11N20MIMO_Ant1_5825



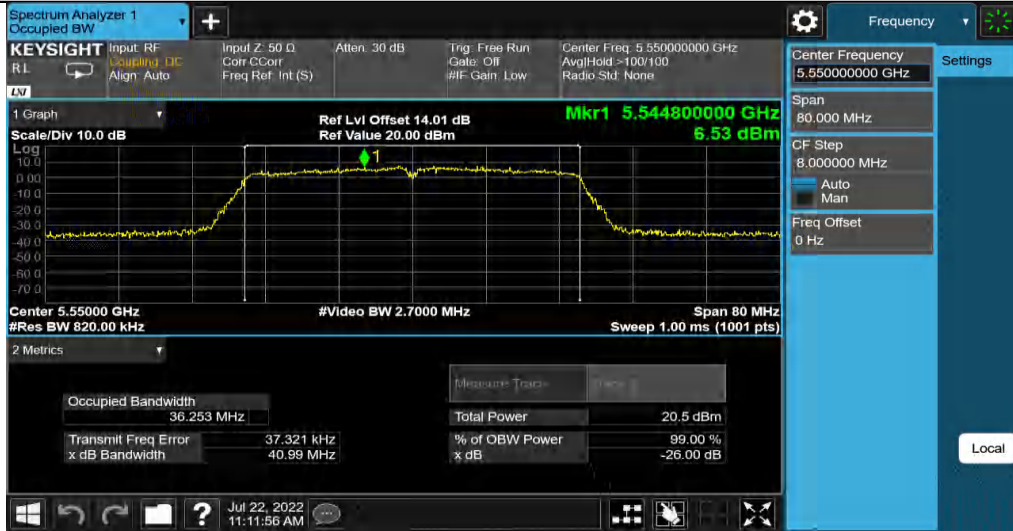
11N40MIMO_Ant1_5190



11N40MIMO_Ant1_5230



11N40MIMO_Ant1_5550



11N40MIMO_Ant1_5670



11N40MIMO_Ant1_5710



11N40MIMO_Ant1_5755

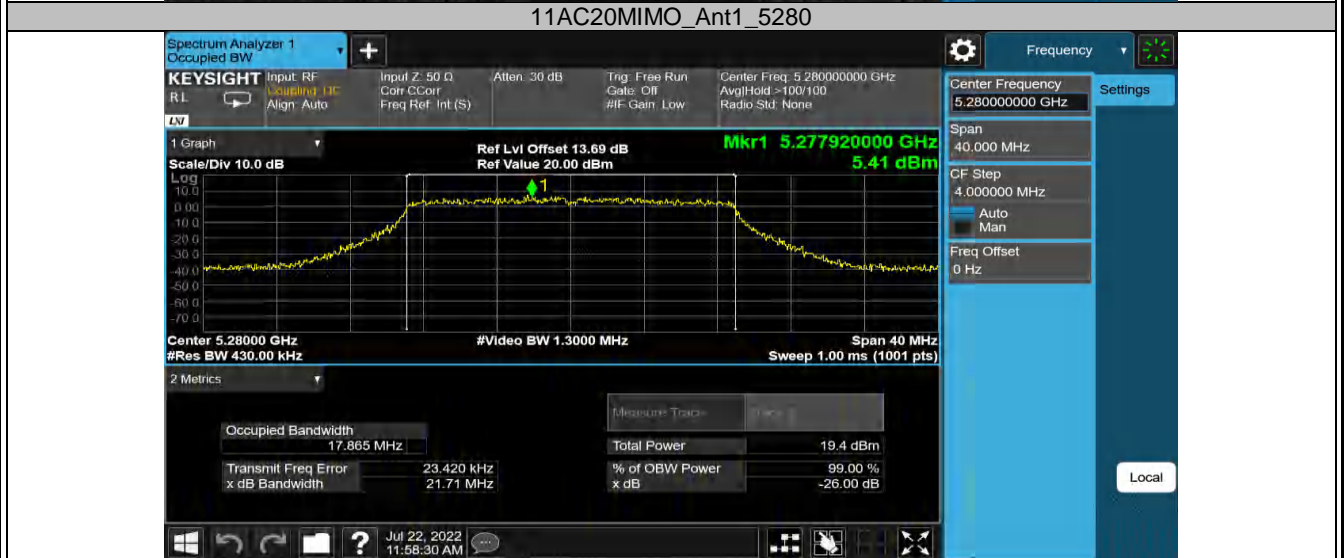
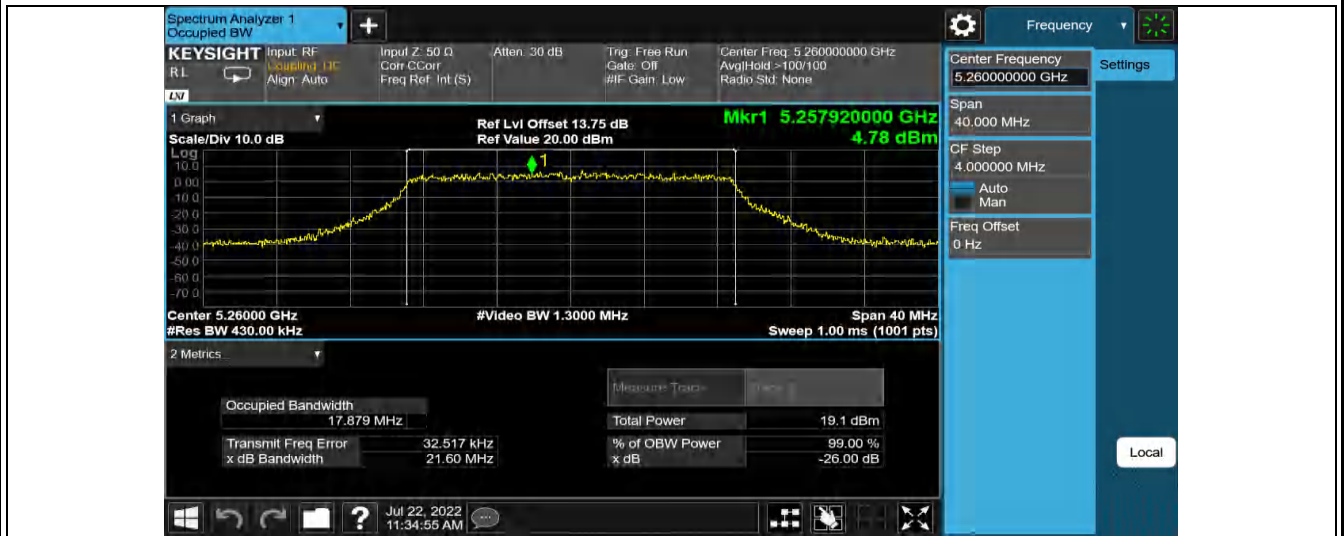


11N40MIMO_Ant1_5795



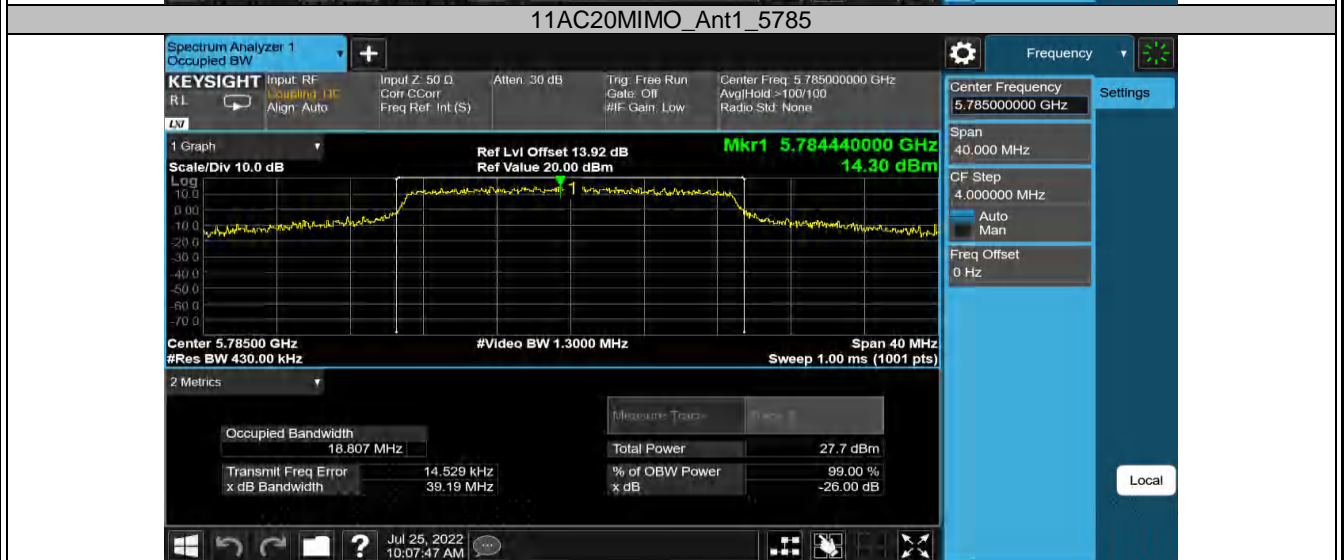
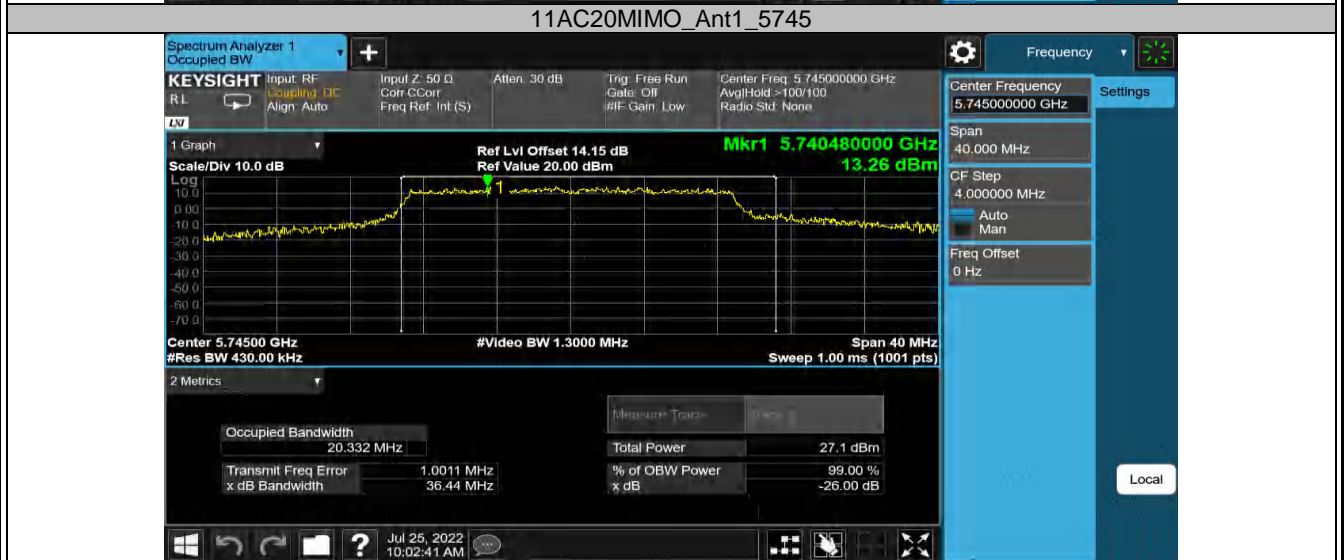
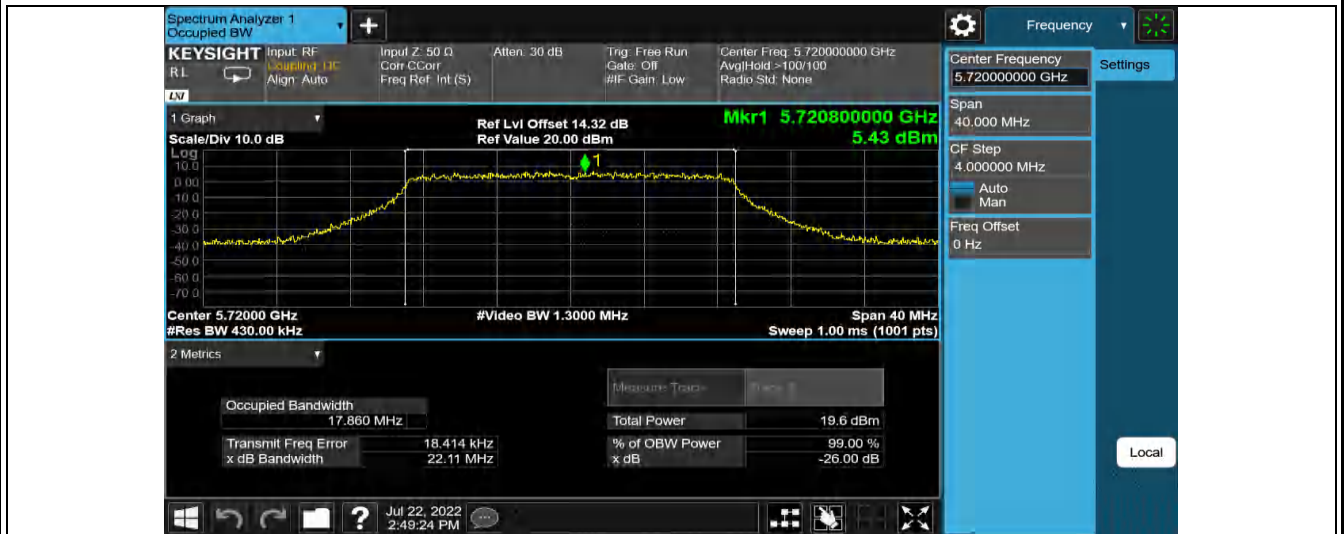
11AC20MIMO_Ant1_5180

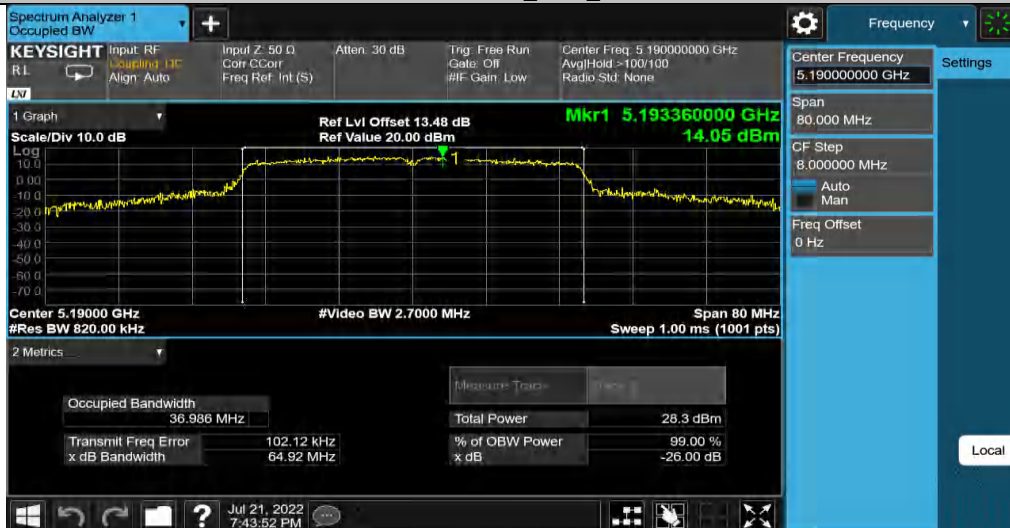
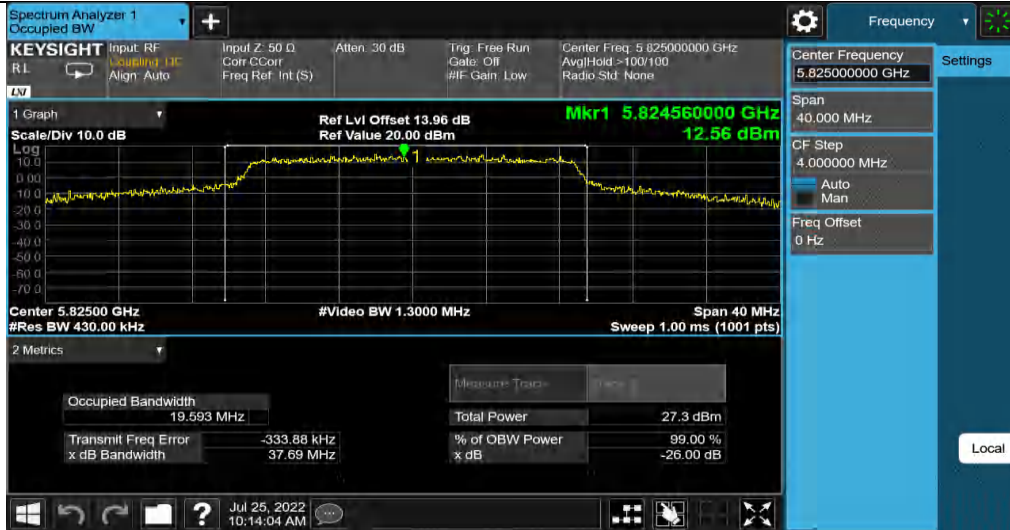




11AC20MIMO_Ant1_5500





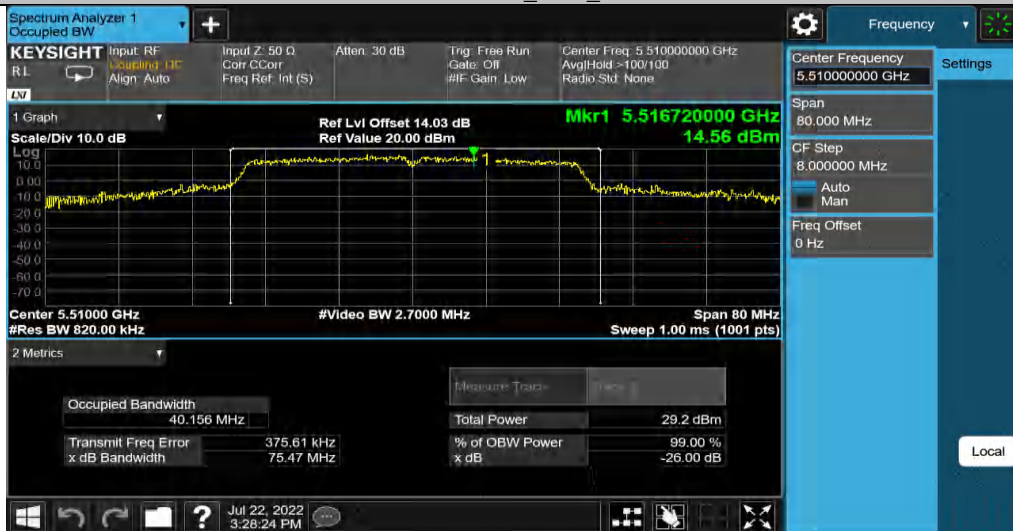




11AC40MIMO_Ant1_5310



11AC40MIMO_Ant1_5510



11AC40MIMO_Ant1_5550



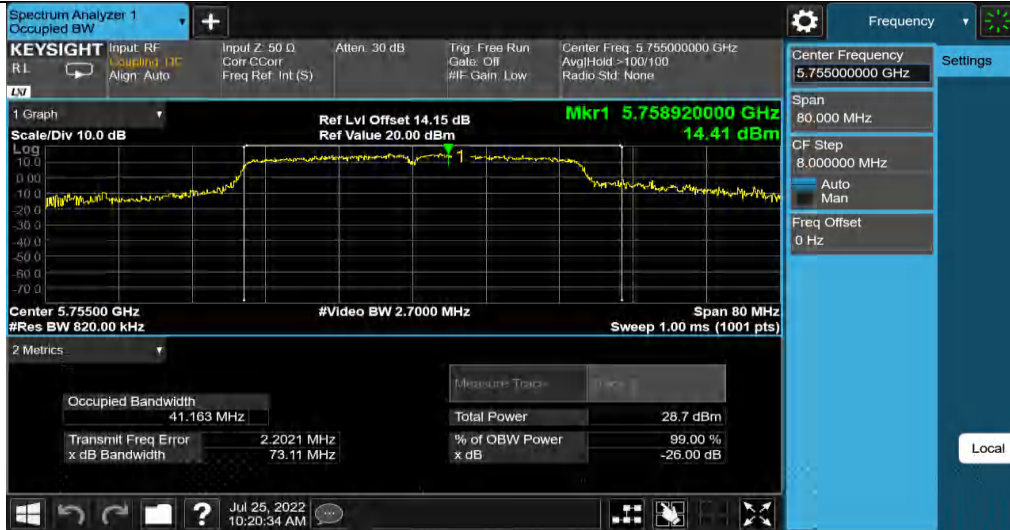
11AC40MIMO_Ant1_5670



11AC40MIMO_Ant1_5710



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant1_5795

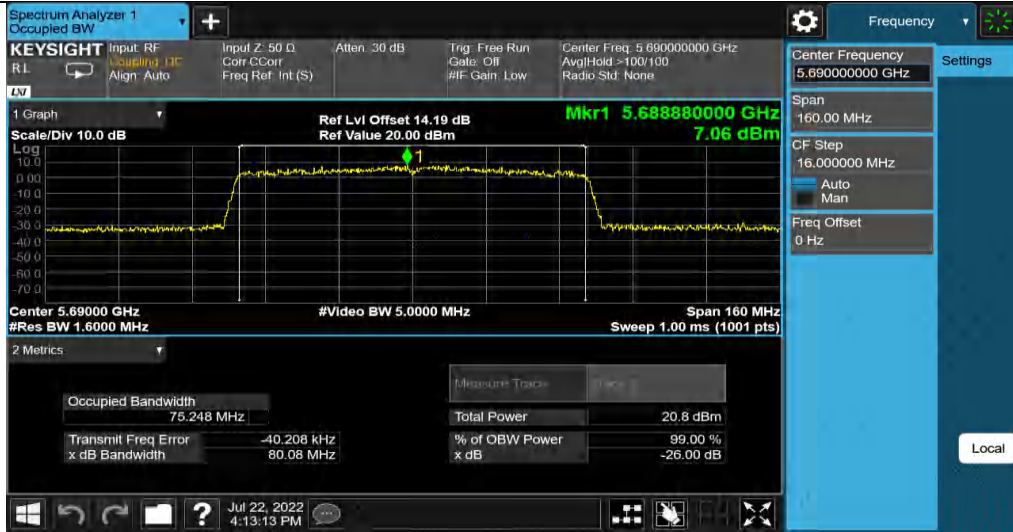


11AC80MIMO_Ant1_5210

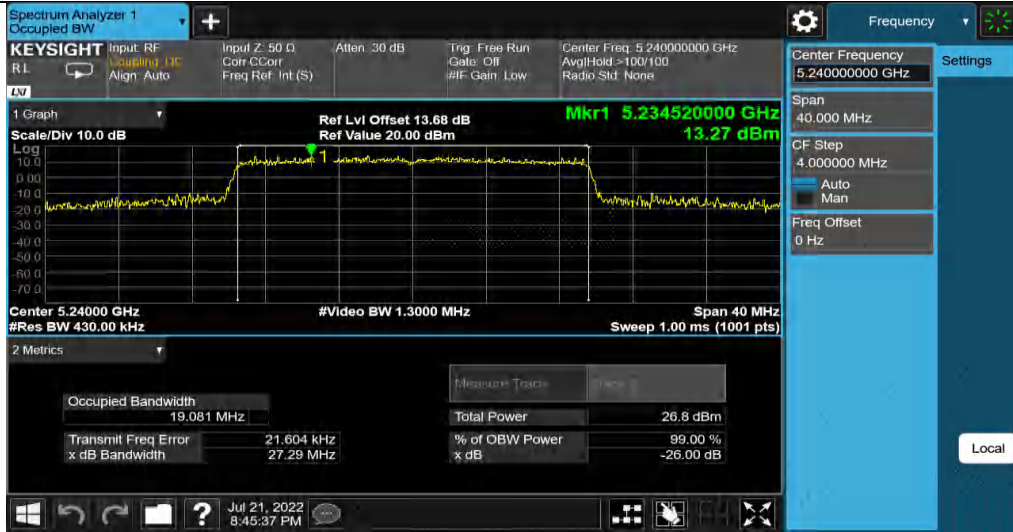


11AC80MIMO_Ant1_5290











11AX20MIMO_Ant1_5500



11AX20MIMO_Ant1_5580



11AX20MIMO_Ant1_5700





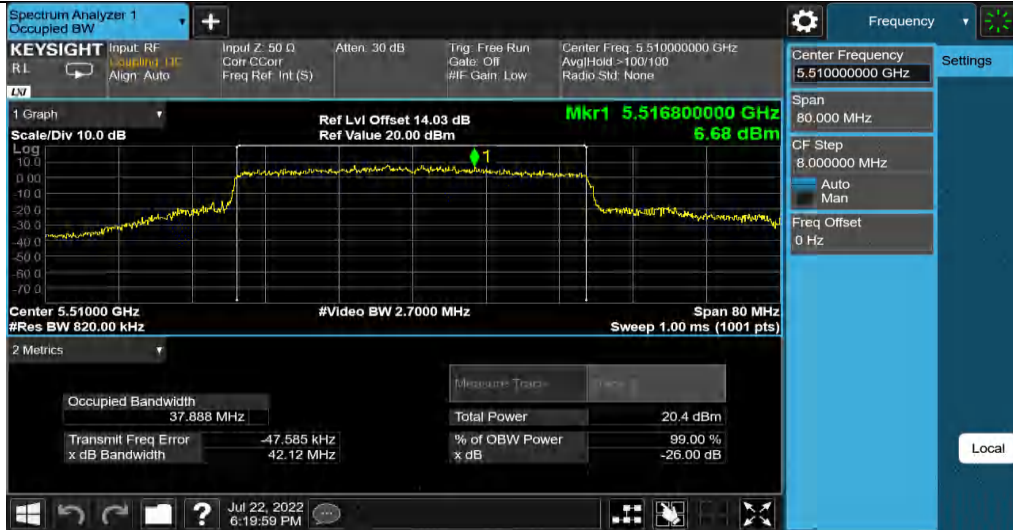
11AX40MIMO_Ant1_5270



11AX40MIMO_Ant1_5310



11AX40MIMO_Ant1_5510



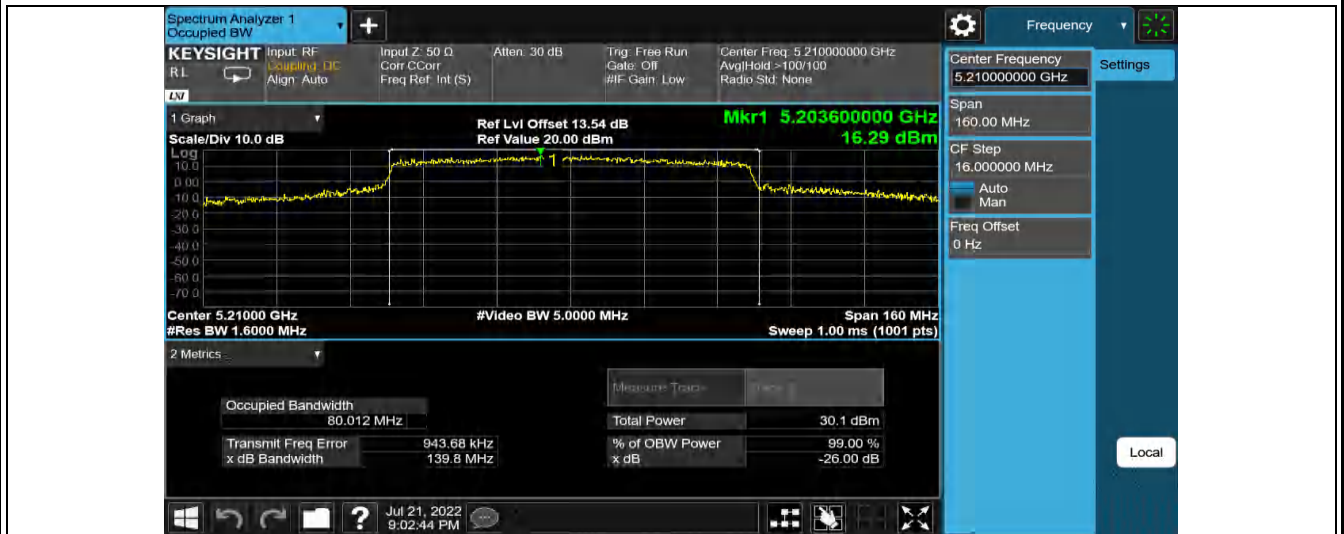
11AX40MIMO_Ant1_5550

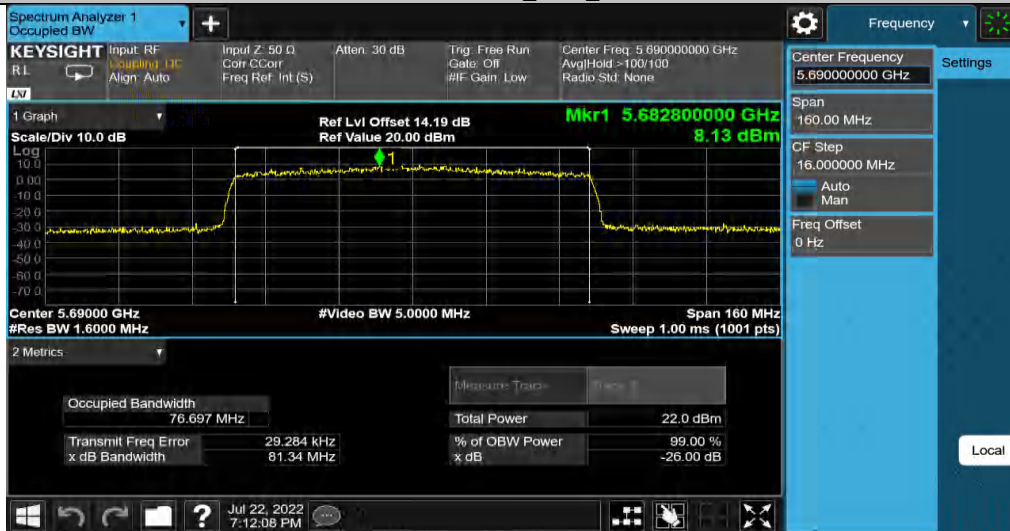


11AX40MIMO_Ant1_5670



11AX40MIMO_Ant1_5710





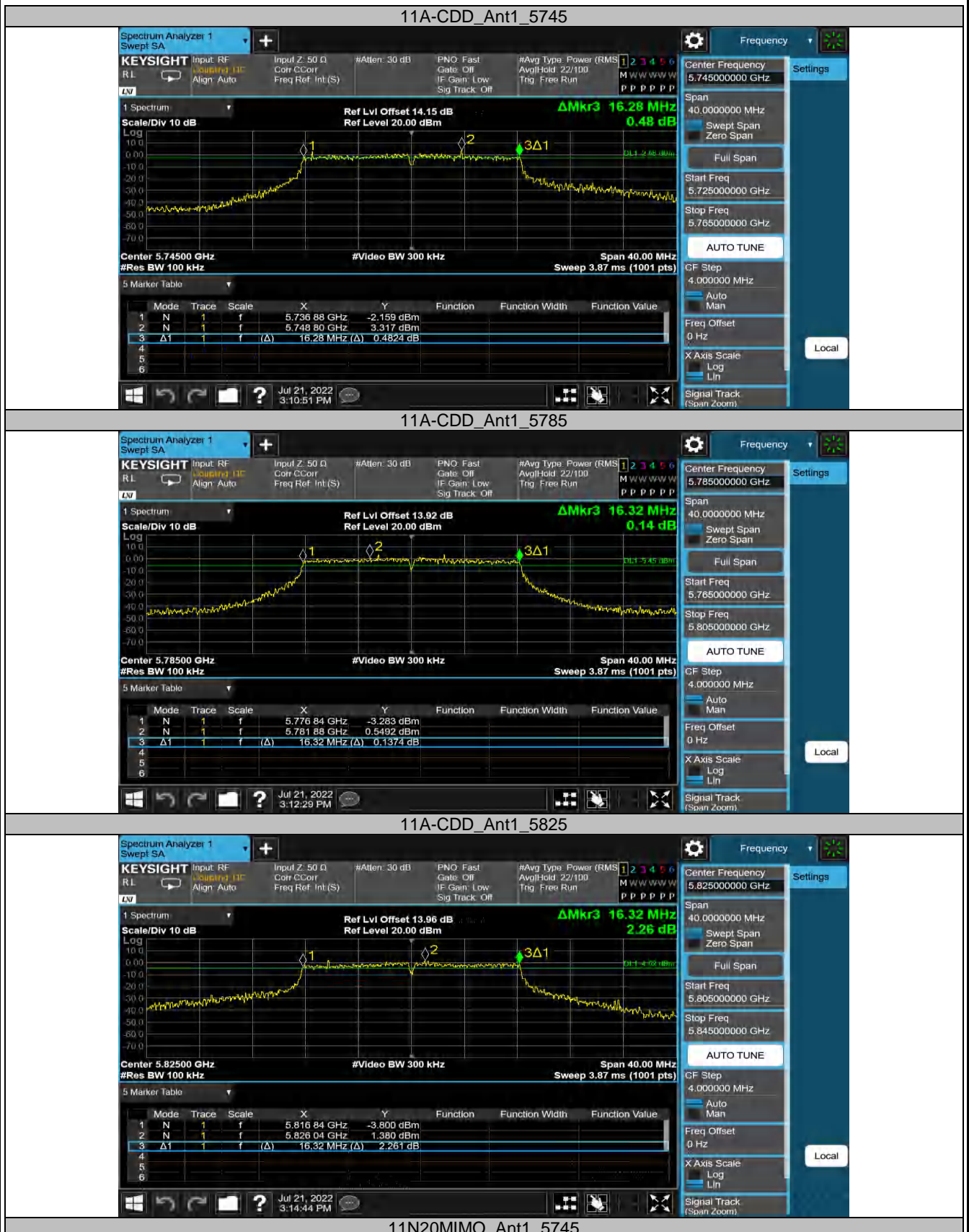


11AX160MIMO_Ant1_5570



Appendix B.5: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	16.280	5736.880	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20MIMO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.560	5776.240	5793.800	0.5	PASS
		5825	17.160	5816.600	5833.760	0.5	PASS
11N40MIMO	Ant1	5755	35.440	5737.480	5772.920	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20MIMO	Ant1	5745	17.040	5736.240	5753.280	0.5	PASS
		5785	17.600	5776.200	5793.800	0.5	PASS
		5825	16.960	5816.520	5833.480	0.5	PASS
11AC40MIMO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80MIMO	Ant1	5775	75.040	5737.560	5812.600	0.5	PASS
11AX20MIMO	Ant1	5745	17.280	5735.960	5753.240	0.5	PASS
		5785	18.920	5775.520	5794.440	0.5	PASS
		5825	18.640	5815.800	5834.440	0.5	PASS
11AX40MIMO	Ant1	5755	35.680	5736.920	5772.600	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AX80MIMO	Ant1	5775	73.760	5737.560	5811.320	0.5	PASS



11N20MIMO_Ant1_5745



11N20MIMO_Ant1_5785



11N20MIMO_Ant1_5825



11N40MIMO_Ant1_5755



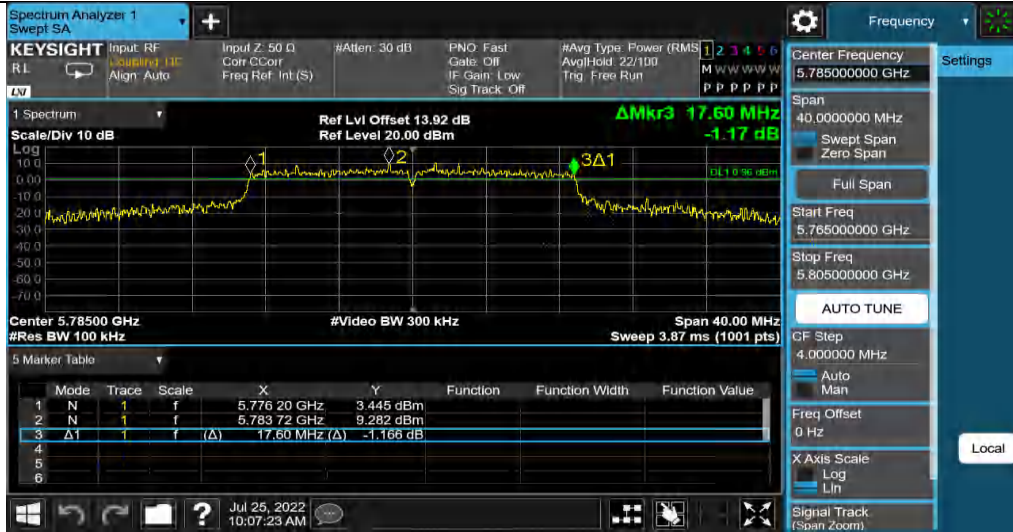
11N40MIMO_Ant1_5795



11AC20MIMO_Ant1_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant1_5825



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant1_5795





11AX20MIMO_Ant1_5825



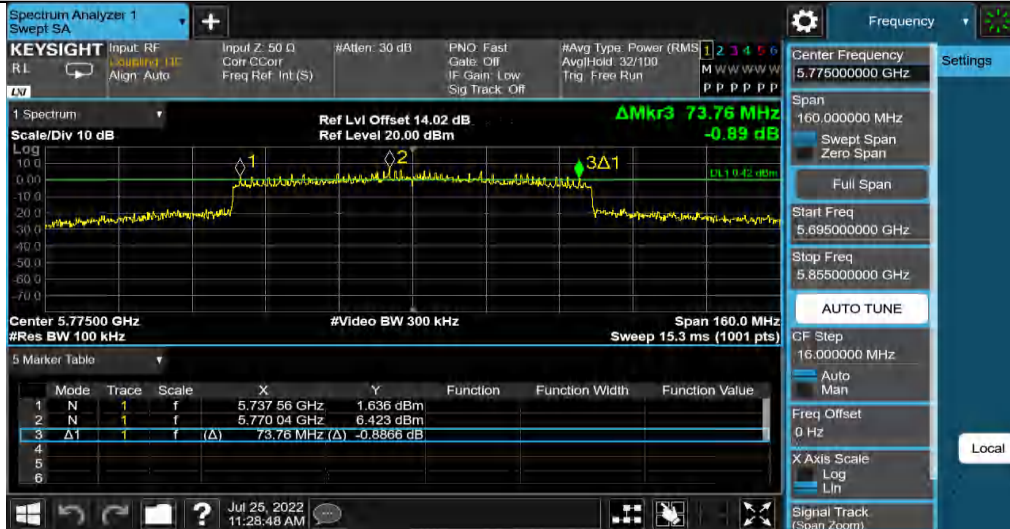
11AX40MIMO_Ant1_5755



11AX40MIMO_Ant1_5795



11AX80MIMO_Ant1_5775



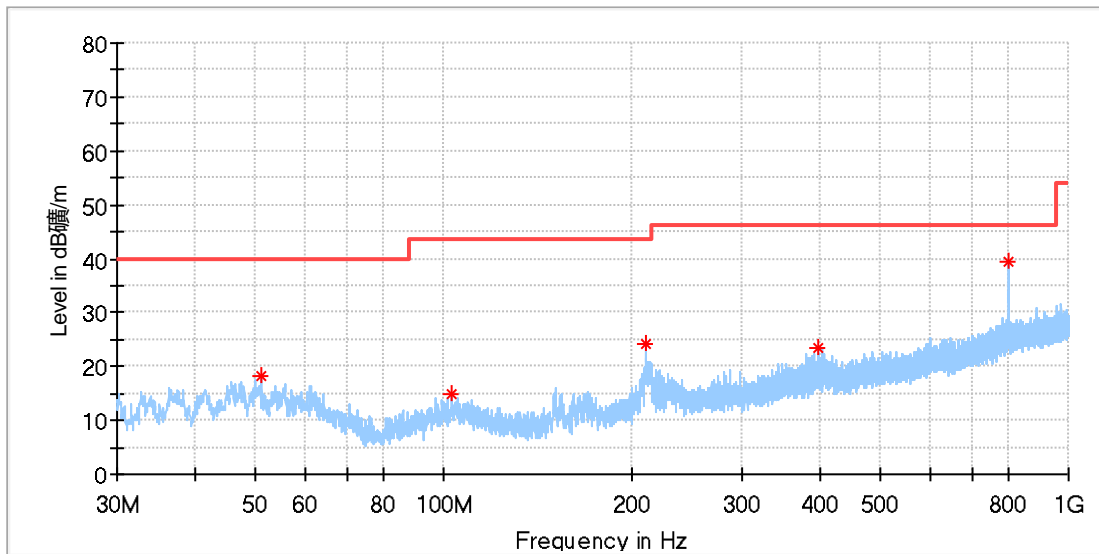
Appendix B.6: Test Results of Radiated Spurious Emissions

Note: 1. Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported. 2. This testing was carried out on different modulations, but only the worst case was presented in this report.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 5G_11a_Ch40
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

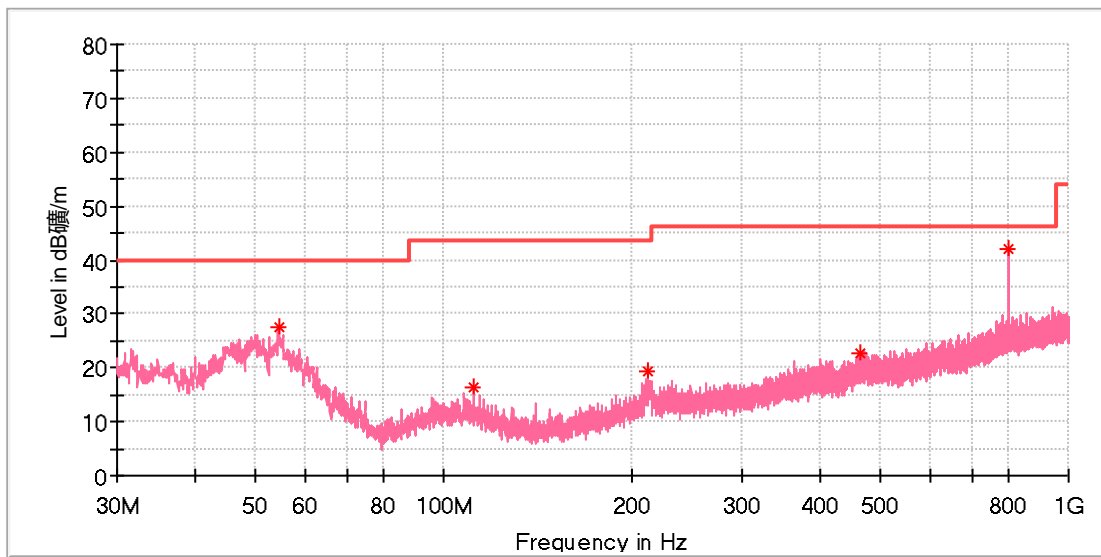
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.146000	18.32	40.00	21.68	100.0	H	75.0	-18.3
102.944000	14.83	43.50	28.67	100.0	H	119.0	-18.8
210.468500	24.10	43.50	19.40	100.0	H	273.0	-18.9
396.078000	23.53	46.00	22.47	100.0	H	119.0	-13.7
800.034500	39.30	46.00	6.70	100.0	H	113.0	-6.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Home Gateway
 Model: E1320
 Test Mode: WiFi 5G_11a_Ch40
 Order No/Sample No: 168381079/A003294694-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.395500	27.41	40.00	12.59	100.0	V	9.0	-18.4
111.868000	16.22	43.50	27.28	100.0	V	290.0	-19.3
212.796500	19.33	43.50	24.17	100.0	V	224.0	-18.8
464.705500	22.86	46.00	23.14	100.0	V	224.0	-12.6
800.034500	41.94	46.00	4.06	100.0	V	94.0	-6.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

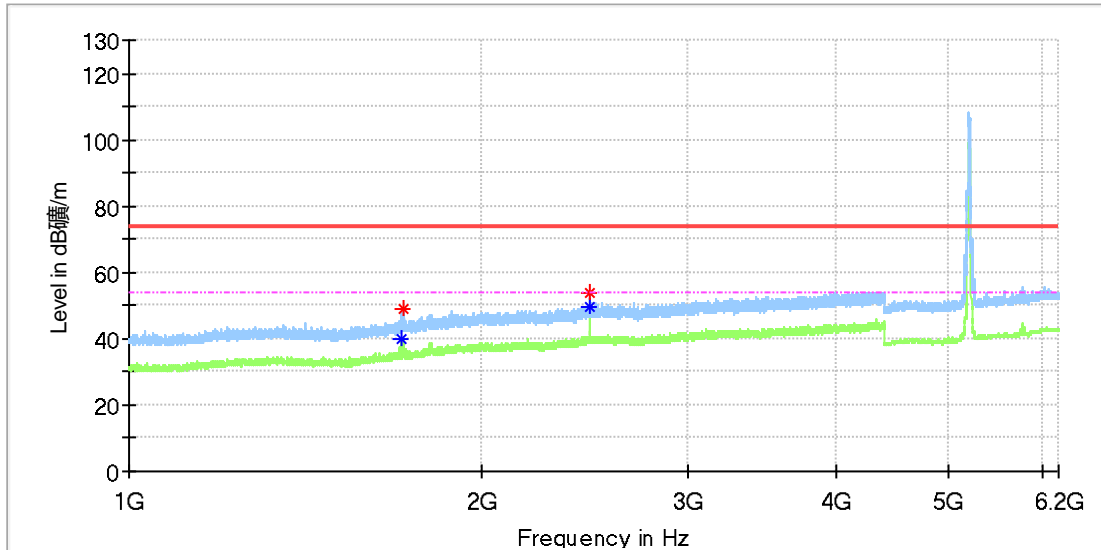
Above 1GHz

Note: The highest waveform in the figure is 5GHz Wi-Fi Fundamental.

U-NII-1 Band

EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 5G_11a_Ch40
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1708.560000	---	40.18	54.00	13.82	100.0	H	259.0	3.4
1710.770000	48.91	---	74.00	25.09	100.0	H	259.0	3.4
2469.650000	53.60	---	74.00	20.40	100.0	H	179.0	7.4
2469.650000	---	49.42	54.00	4.58	100.0	H	179.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Test Report

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