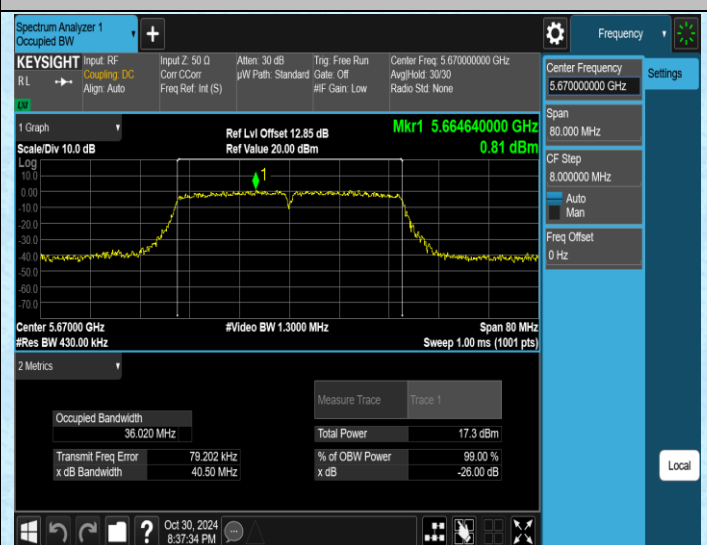
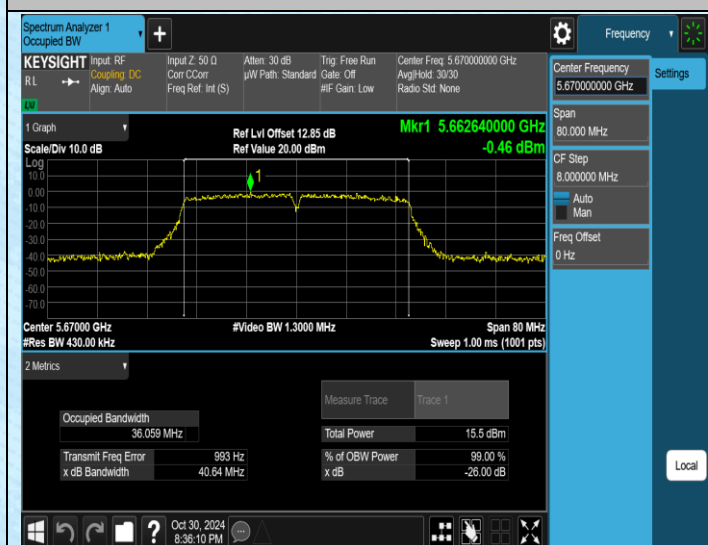
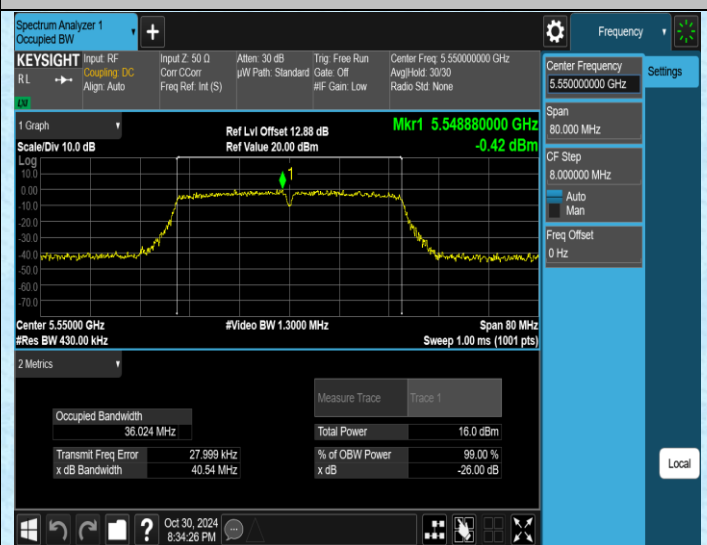
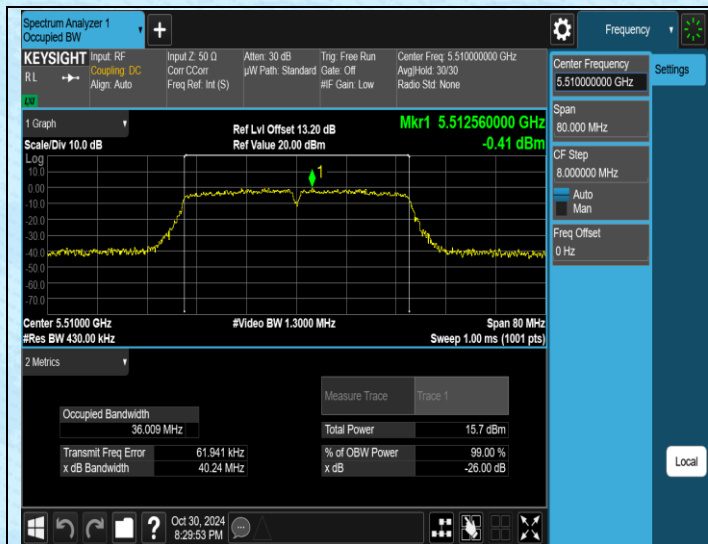
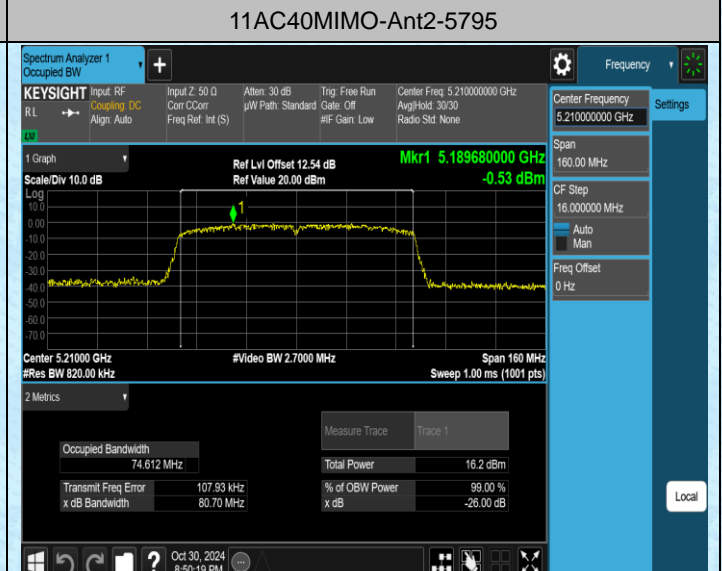
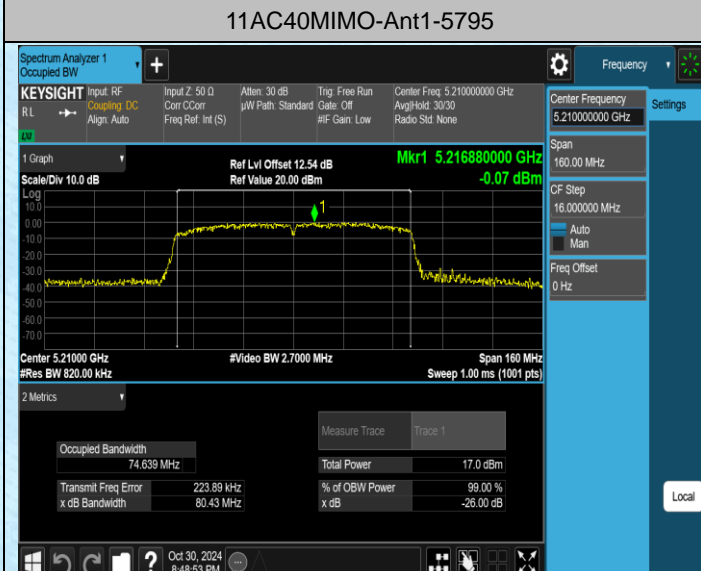
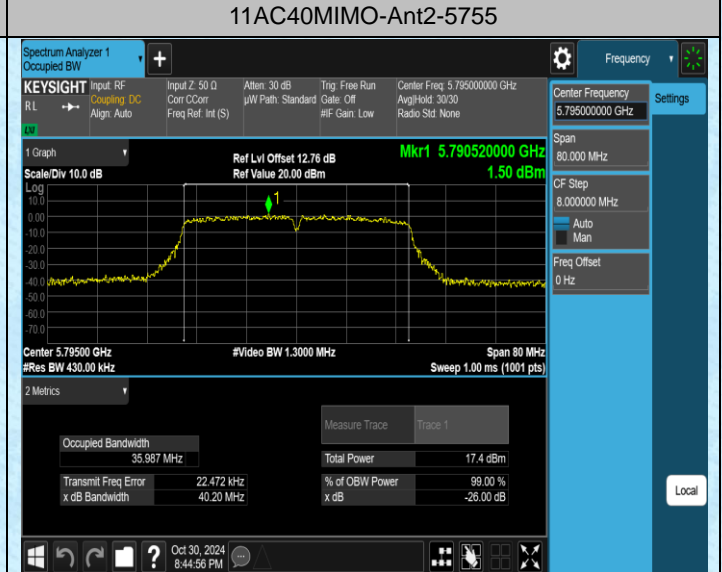
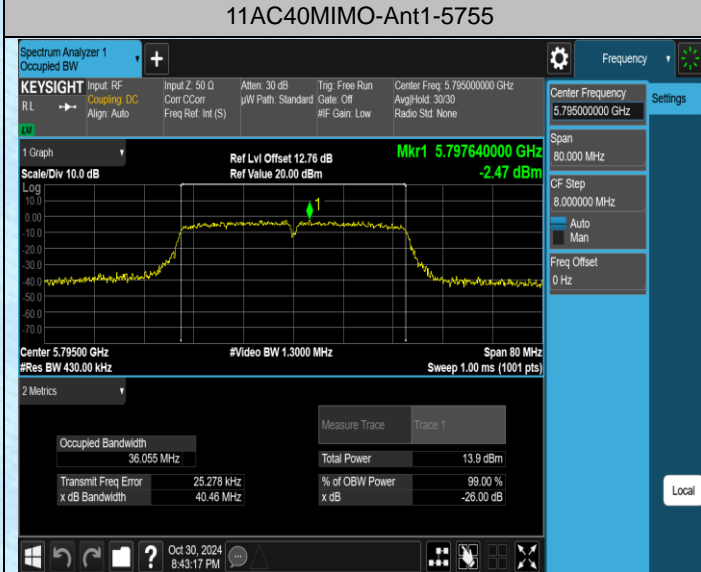
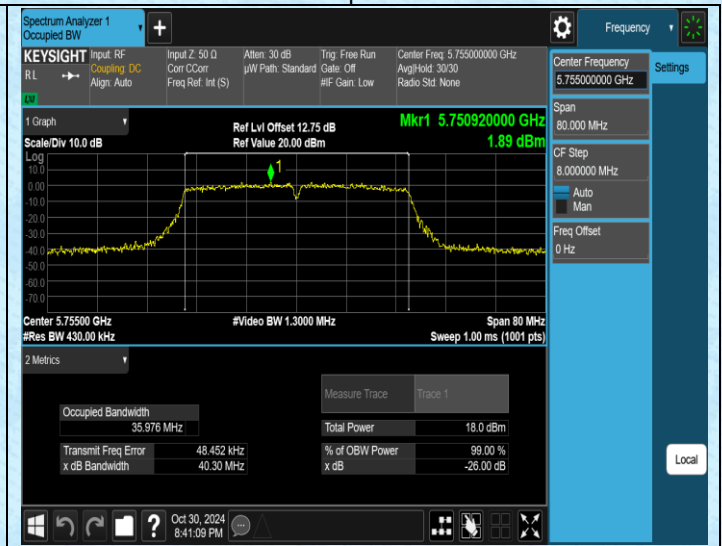
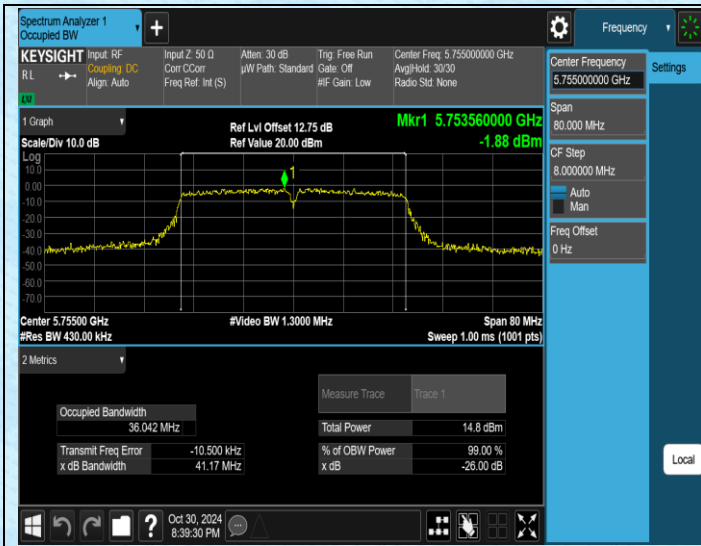


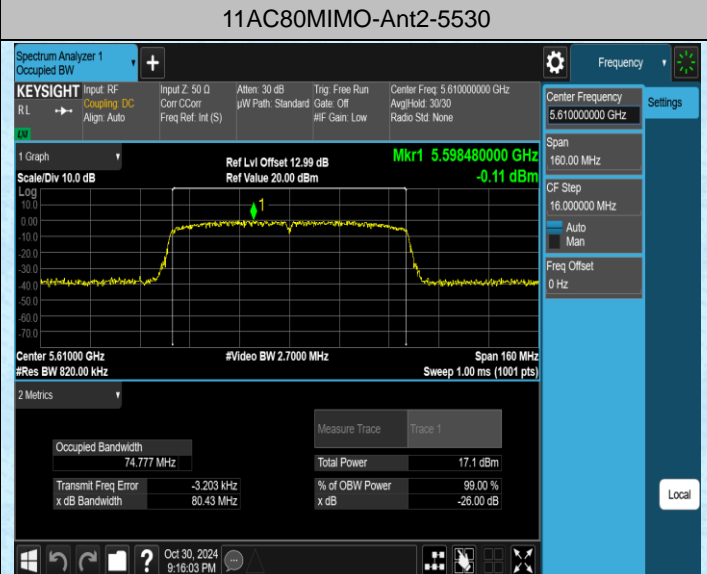
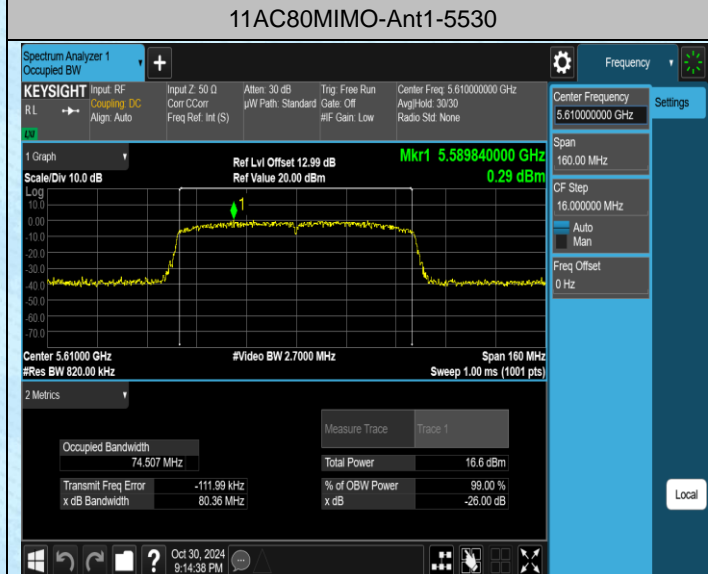
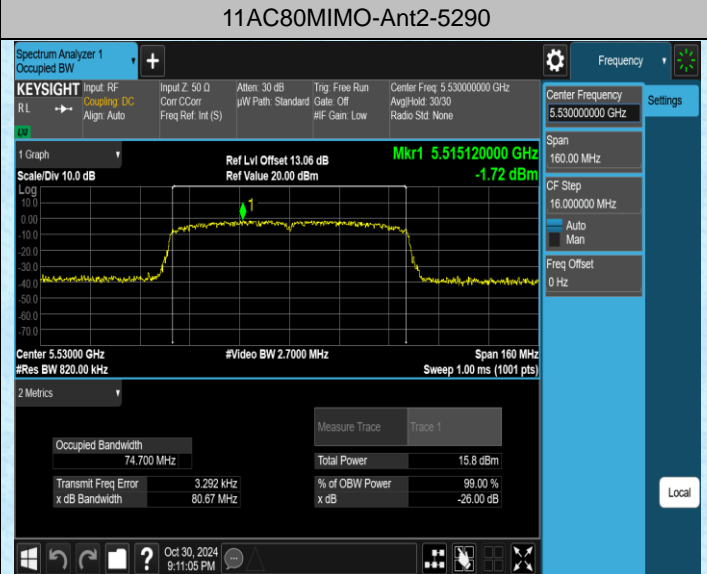
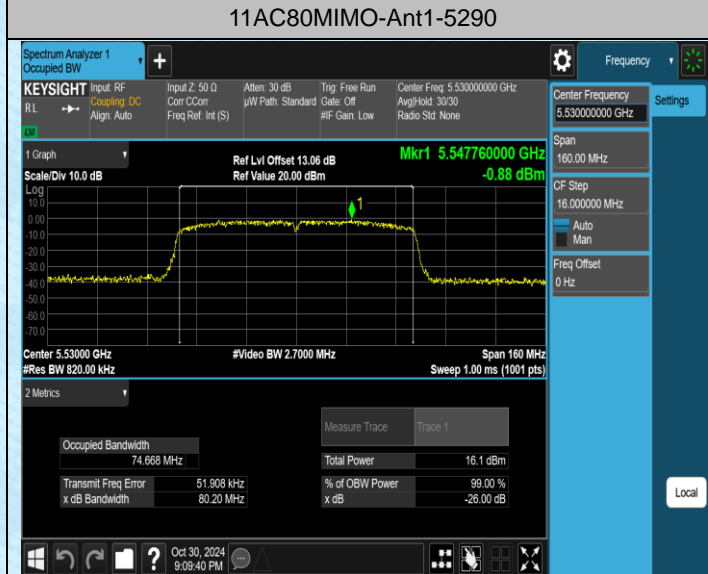
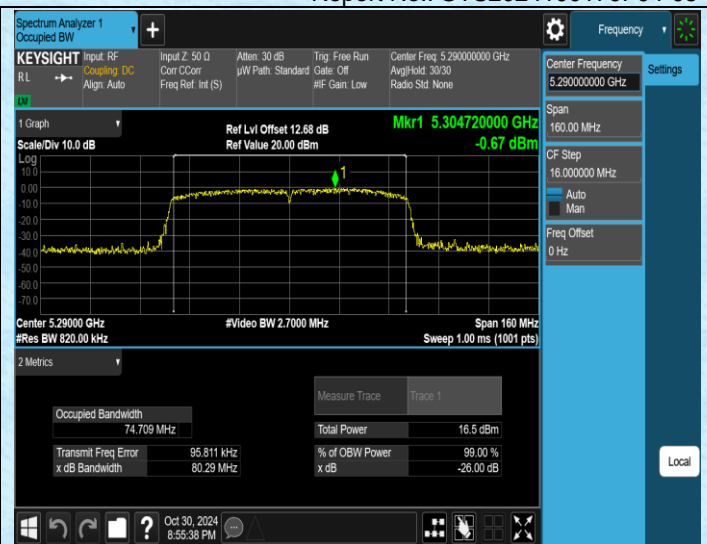
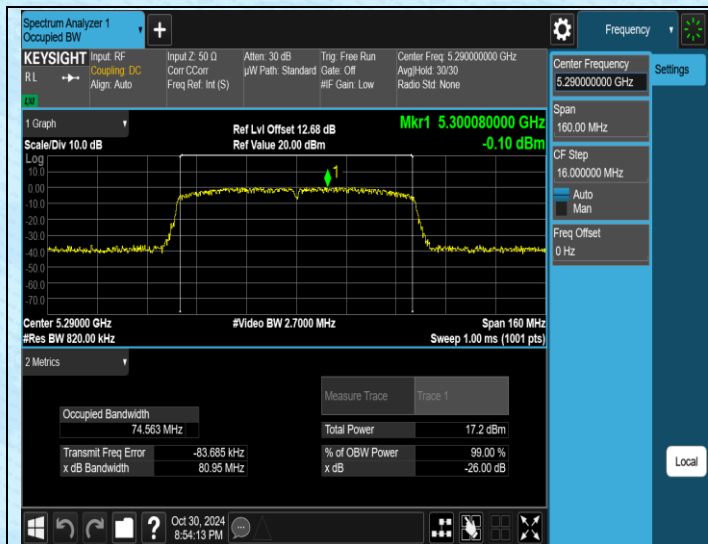
11AC40MIMO-Ant1-5310

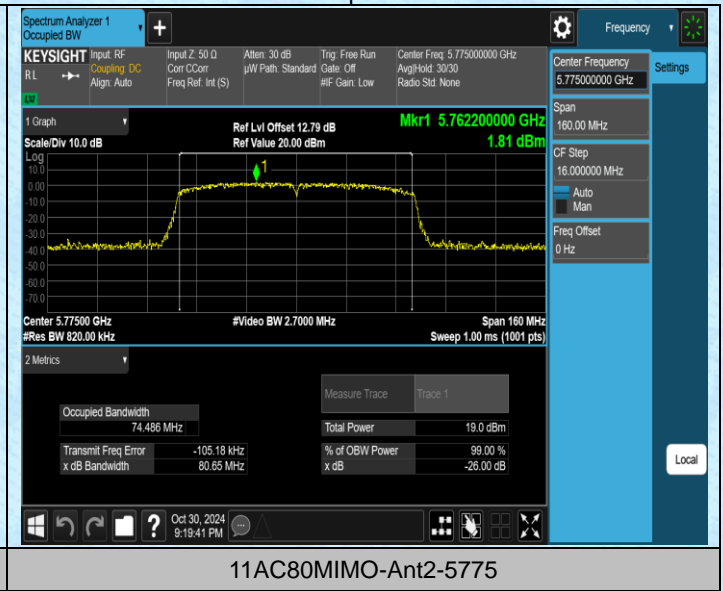
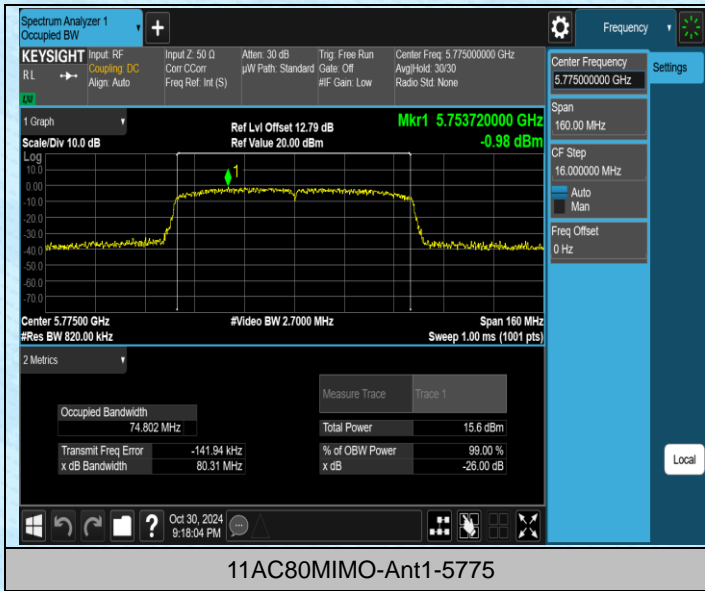
11AC40MIMO-Ant2-5310













## AppendixA2: Occupied channel bandwidth

## Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	6Mbps	16.656	5171.6693	5188.3253	---	---
11A	Ant2	5180	6Mbps	16.475	5171.7535	5188.2285	---	---
11A	Ant1	5200	6Mbps	16.665	5191.6823	5208.3473	---	---
11A	Ant2	5200	6Mbps	16.553	5191.6915	5208.2445	---	---
11A	Ant1	5240	6Mbps	16.591	5231.7159	5248.3069	---	---
11A	Ant2	5240	6Mbps	16.612	5231.6945	5248.3065	---	---
11A	Ant1	5260	6Mbps	16.574	5251.6718	5268.2458	---	---
11A	Ant2	5260	6Mbps	16.592	5251.6734	5268.2654	---	---
11A	Ant1	5280	6Mbps	16.475	5271.7498	5288.2248	---	---
11A	Ant2	5280	6Mbps	16.715	5271.6376	5288.3526	---	---
11A	Ant1	5320	6Mbps	16.506	5311.7218	5328.2278	---	---
11A	Ant2	5320	6Mbps	16.731	5311.6315	5328.3625	---	---
11A	Ant1	5500	6Mbps	16.476	5491.7385	5508.2145	---	---
11A	Ant2	5500	6Mbps	16.460	5491.7622	5508.2222	---	---
11A	Ant1	5580	6Mbps	16.481	5571.7063	5588.1873	---	---
11A	Ant2	5580	6Mbps	16.490	5571.7171	5588.2071	---	---
11A	Ant1	5700	6Mbps	16.475	5691.7149	5708.1899	---	---
11A	Ant2	5700	6Mbps	16.480	5691.7333	5708.2133	---	---
11A	Ant1	5745	6Mbps	16.458	5736.7317	5753.1897	---	---
11A	Ant2	5745	6Mbps	16.542	5736.7136	5753.2556	---	---
11A	Ant1	5785	6Mbps	16.491	5776.7311	5793.2221	---	---
11A	Ant2	5785	6Mbps	16.490	5776.7243	5793.2143	---	---
11A	Ant1	5825	6Mbps	16.489	5816.7361	5833.2251	---	---
11A	Ant2	5825	6Mbps	16.461	5816.7444	5833.2054	---	---
11N20SISO	Ant1	5180	MCS0	17.774	5171.1338	5188.9078	---	---
11N20SISO	Ant2	5180	MCS0	17.680	5171.1561	5188.8361	---	---
11N20SISO	Ant1	5200	MCS0	17.730	5191.1432	5208.8732	---	---
11N20SISO	Ant2	5200	MCS0	17.691	5191.1563	5208.8473	---	---
11N20SISO	Ant1	5240	MCS0	17.721	5231.1295	5248.8505	---	---
11N20SISO	Ant2	5240	MCS0	17.690	5231.1652	5248.8552	---	---
11N20SISO	Ant1	5260	MCS0	17.666	5251.1519	5268.8179	---	---
11N20SISO	Ant2	5260	MCS0	17.669	5251.1361	5268.8051	---	---
11N20SISO	Ant1	5280	MCS0	17.648	5271.1667	5288.8147	---	---
11N20SISO	Ant2	5280	MCS0	17.751	5271.1299	5288.8809	---	---
11N20SISO	Ant1	5320	MCS0	17.633	5311.1624	5328.7954	---	---
11N20SISO	Ant2	5320	MCS0	17.854	5311.0759	5328.9299	---	---
11N20SISO	Ant1	5500	MCS0	17.614	5491.1860	5508.8000	---	---
11N20SISO	Ant2	5500	MCS0	17.655	5491.1372	5508.7922	---	---
11N20SISO	Ant1	5580	MCS0	17.634	5571.1621	5588.7961	---	---



11N20SISO	Ant2	5580	MCS0	17.647	5571.1580	5588.8050	---	---
11N20SISO	Ant1	5700	MCS0	17.633	5691.1401	5708.7731	---	---
11N20SISO	Ant2	5700	MCS0	17.650	5691.1555	5708.8055	---	---
11N20SISO	Ant1	5745	MCS0	17.632	5736.1625	5753.7945	---	---
11N20SISO	Ant2	5745	MCS0	17.622	5736.1809	5753.8029	---	---
11N20SISO	Ant1	5785	MCS0	17.610	5776.1794	5793.7894	---	---
11N20SISO	Ant2	5785	MCS0	17.662	5776.1477	5793.8097	---	---
11N20SISO	Ant1	5825	MCS0	17.639	5816.1799	5833.8189	---	---
11N20SISO	Ant2	5825	MCS0	17.625	5816.1603	5833.7853	---	---
11N40SISO	Ant1	5190	MCS0	36.267	5171.9735	5208.2405	---	---
11N40SISO	Ant2	5190	MCS0	36.146	5171.9320	5208.0780	---	---
11N40SISO	Ant1	5230	MCS0	36.314	5211.9227	5248.2367	---	---
11N40SISO	Ant2	5230	MCS0	36.278	5211.8768	5248.1548	---	---
11N40SISO	Ant1	5270	MCS0	36.250	5251.8775	5288.1275	---	---
11N40SISO	Ant2	5270	MCS0	36.285	5251.8688	5288.1538	---	---
11N40SISO	Ant1	5310	MCS0	36.071	5291.9878	5328.0588	---	---
11N40SISO	Ant2	5310	MCS0	36.357	5291.8840	5328.2410	---	---
11N40SISO	Ant1	5510	MCS0	36.118	5491.9423	5528.0603	---	---
11N40SISO	Ant2	5510	MCS0	36.089	5491.9425	5528.0315	---	---
11N40SISO	Ant1	5550	MCS0	36.140	5531.9232	5568.0632	---	---
11N40SISO	Ant2	5550	MCS0	36.199	5531.9407	5568.1397	---	---
11N40SISO	Ant1	5670	MCS0	36.188	5651.8522	5688.0402	---	---
11N40SISO	Ant2	5670	MCS0	36.198	5651.9212	5688.1192	---	---
11N40SISO	Ant1	5755	MCS0	36.240	5736.8450	5773.0850	---	---
11N40SISO	Ant2	5755	MCS0	36.118	5736.9050	5773.0230	---	---
11N40SISO	Ant1	5795	MCS0	36.228	5776.8987	5813.1267	---	---
11N40SISO	Ant2	5795	MCS0	36.104	5776.8635	5812.9675	---	---
11AC20SISO	Ant1	5180	MCS0	17.728	5171.1521	5188.8801	---	---
11AC20SISO	Ant2	5180	MCS0	17.628	5171.1630	5188.7910	---	---
11AC20SISO	Ant1	5200	MCS0	17.746	5191.1449	5208.8909	---	---
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11AC20SISO	Ant1	5260	MCS0	17.673	5251.1595	5268.8325	---	---
11AC20SISO	Ant2	5260	MCS0	17.664	5251.1504	5268.8144	---	---
11AC20SISO	Ant1	5280	MCS0	17.650	5271.1485	5288.7985	---	---
11AC20SISO	Ant2	5280	MCS0	17.762	5271.1281	5288.8901	---	---
11AC20SISO	Ant1	5320	MCS0	17.630	5311.1565	5328.7865	---	---
11AC20SISO	Ant2	5320	MCS0	17.724	5311.1507	5328.8747	---	---
11AC20SISO	Ant1	5500	MCS0	17.622	5491.1748	5508.7968	---	---
11AC20SISO	Ant2	5500	MCS0	17.650	5491.1558	5508.8058	---	---
11AC20SISO	Ant1	5580	MCS0	17.647	5571.1574	5588.8044	---	---
11AC20SISO	Ant2	5580	MCS0	17.648	5571.1368	5588.7848	---	---
11AC20SISO	Ant1	5700	MCS0	17.604	5691.1521	5708.7561	---	---

11AC20SISO	Ant2	5700	MCS0	17.627	5691.1611	5708.7881	---	---
11AC20SISO	Ant1	5745	MCS0	17.647	5736.1526	5753.7996	---	---
11AC20SISO	Ant2	5745	MCS0	17.651	5736.1356	5753.7866	---	---
11AC20SISO	Ant1	5785	MCS0	17.642	5776.1671	5793.8091	---	---
11AC20SISO	Ant2	5785	MCS0	17.597	5776.1719	5793.7689	---	---
11AC20SISO	Ant1	5825	MCS0	17.666	5816.1527	5833.8187	---	---
11AC20SISO	Ant2	5825	MCS0	17.583	5816.1737	5833.7567	---	---
11AC40SISO	Ant1	5190	MCS0	36.219	5171.9789	5208.1979	---	---
11AC40SISO	Ant2	5190	MCS0	36.201	5171.9049	5208.1059	---	---
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11AC40SISO	Ant2	5270	MCS0	36.274	5251.8856	5288.1596	---	---
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11AC40SISO	Ant2	5755	MCS0	36.171	5736.8687	5773.0397	---	---
11AC40SISO	Ant1	5795	MCS0	36.170	5776.8671	5813.0371	---	---
11AC40SISO	Ant2	5795	MCS0	36.098	5776.8470	5812.9450	---	---
11AC80SISO	Ant1	5210	MCS0	74.681	5172.9605	5247.6415	---	---
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11AC80SISO	Ant1	5290	MCS0	74.764	5252.4578	5327.2218	---	---
11AC80SISO	Ant2	5290	MCS0	74.899	5252.8380	5327.7370	---	---
11AC80SISO	Ant1	5530	MCS0	74.410	5492.7379	5567.1479	---	---
11AC80SISO	Ant2	5530	MCS0	74.900	5492.6194	5567.5194	---	---
11AC80SISO	Ant1	5610	MCS0	74.402	5572.6953	5647.0973	---	---
11AC80SISO	Ant2	5610	MCS0	74.877	5572.4997	5647.3767	---	---
11AC80SISO	Ant1	5775	MCS0	74.337	5737.6184	5811.9554	---	---
11AC80SISO	Ant2	5775	MCS0	74.376	5737.5551	5811.9311	---	---
11N20MIMO	Ant1	5180	MCS0	17.655	5171.1612	5188.8162	---	---
11N20MIMO	Ant2	5180	MCS0	17.620	5171.1967	5188.8167	---	---
11N20MIMO	Ant1	5200	MCS0	17.608	5191.2140	5208.8220	---	---
11N20MIMO	Ant2	5200	MCS0	17.634	5191.2209	5208.8549	---	---
11N20MIMO	Ant1	5240	MCS0	17.627	5231.2053	5248.8323	---	---
11N20MIMO	Ant2	5240	MCS0	17.604	5231.2449	5248.8489	---	---
11N20MIMO	Ant1	5260	MCS0	17.645	5251.2049	5268.8499	---	---
11N20MIMO	Ant2	5260	MCS0	17.609	5251.2141	5268.8231	---	---
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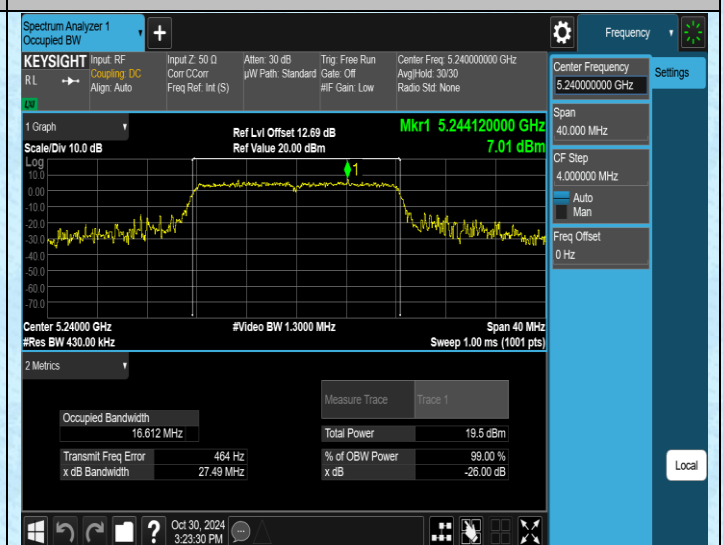
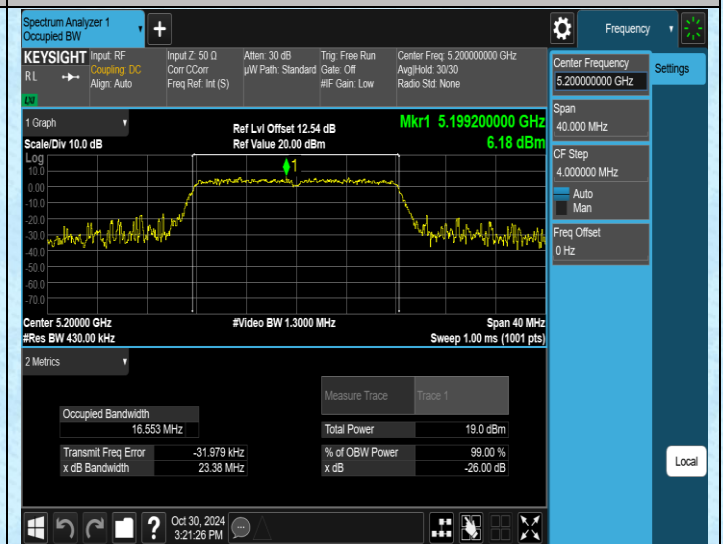
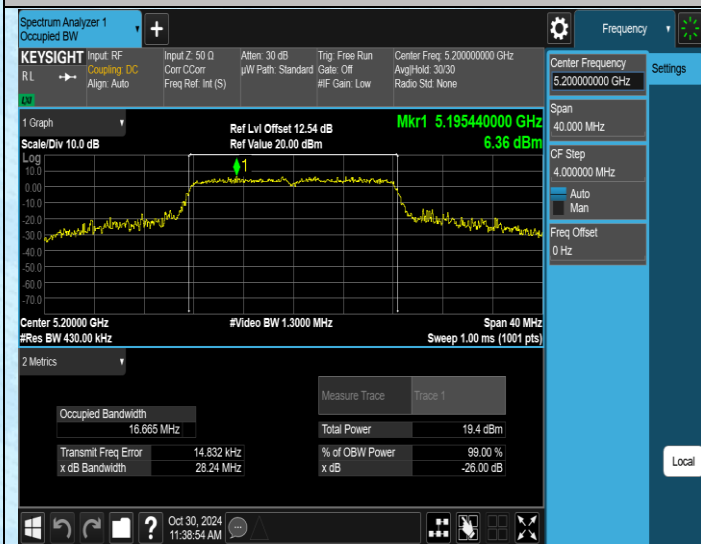
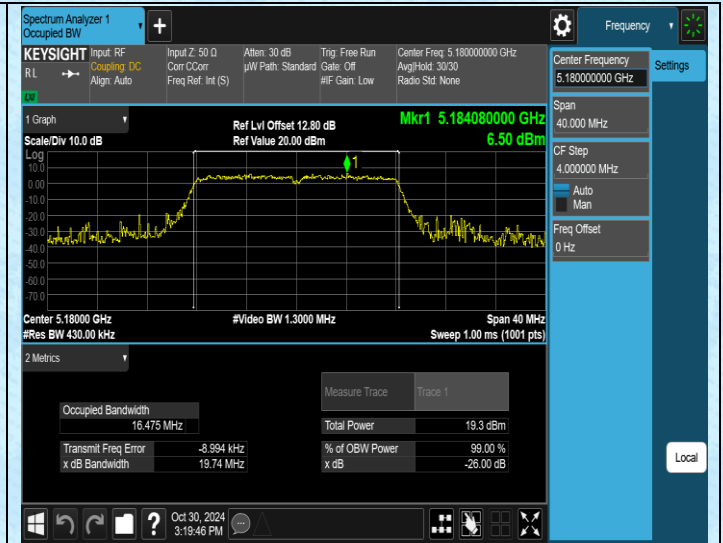
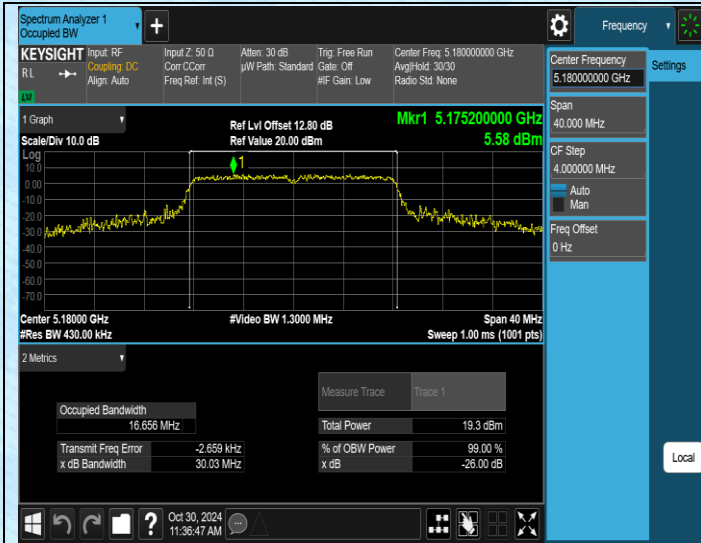


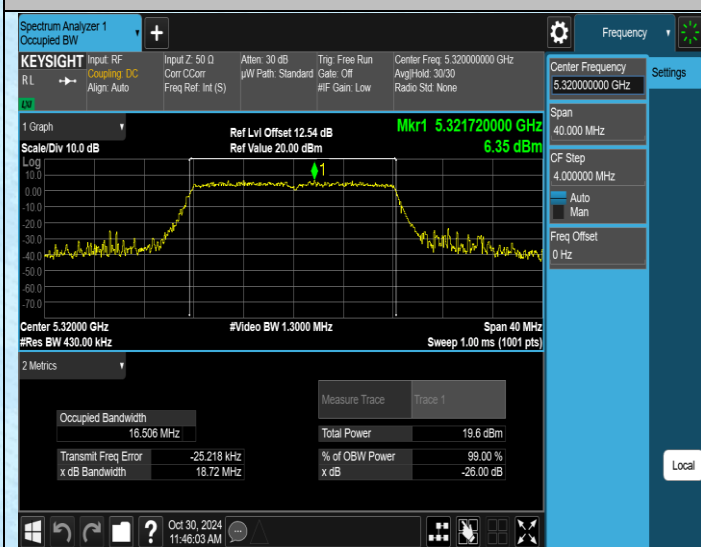
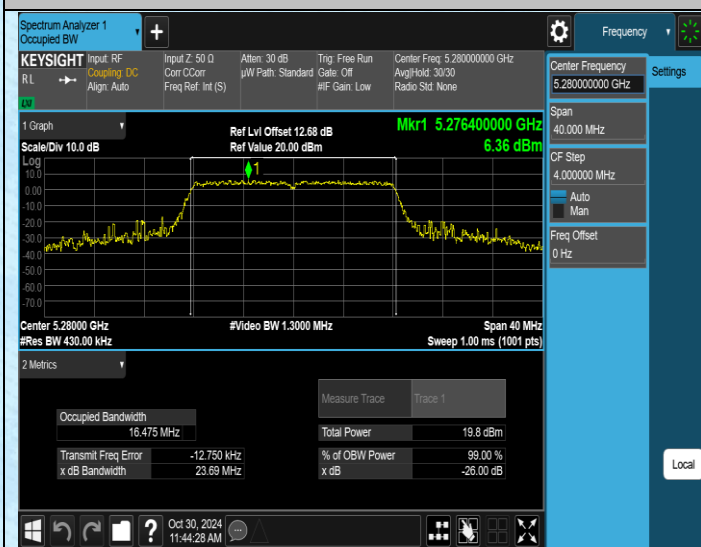
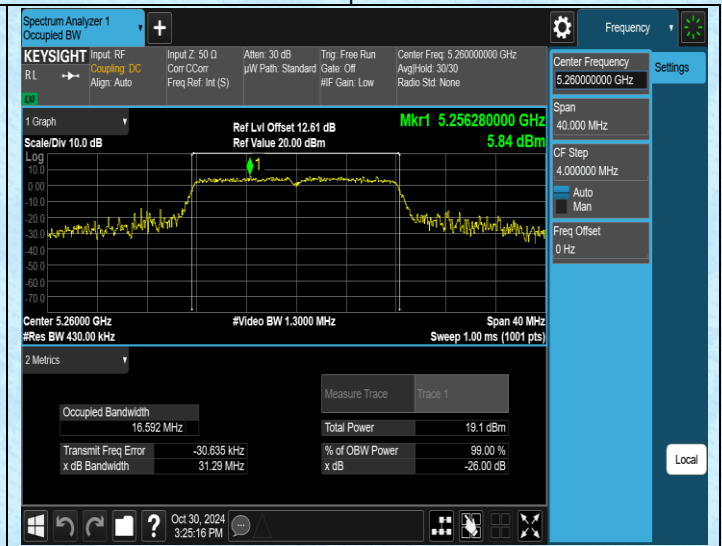
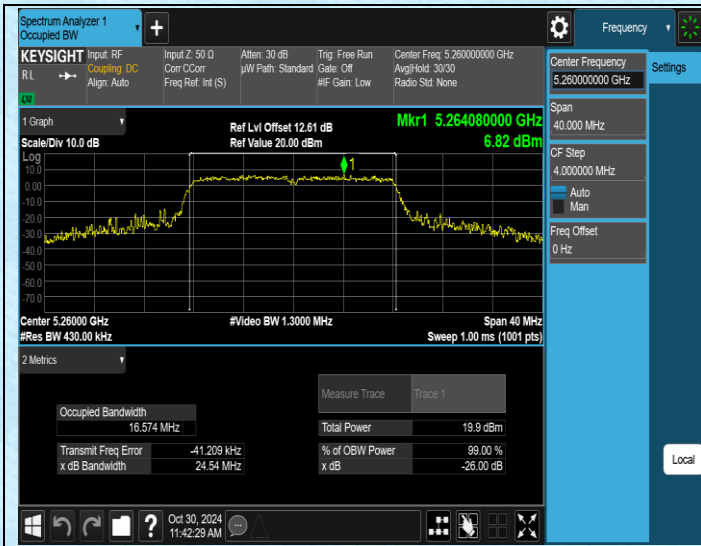
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11N20MIMO	Ant1	5320	MCS0	17.586	5311.2111	5328.7971	---	---
11N20MIMO	Ant2	5320	MCS0	17.655	5311.2115	5328.8665	---	---
11N20MIMO	Ant1	5500	MCS0	17.642	5491.2065	5508.8485	---	---
11N20MIMO	Ant2	5500	MCS0	17.630	5491.2168	5508.8468	---	---
11N20MIMO	Ant1	5580	MCS0	17.651	5571.1989	5588.8499	---	---
11N20MIMO	Ant2	5580	MCS0	17.627	5571.2116	5588.8386	---	---
11N20MIMO	Ant1	5700	MCS0	17.617	5691.1957	5708.8127	---	---
11N20MIMO	Ant2	5700	MCS0	17.616	5691.2343	5708.8503	---	---
11N20MIMO	Ant1	5745	MCS0	17.624	5736.1979	5753.8219	---	---
11N20MIMO	Ant2	5745	MCS0	17.621	5736.2153	5753.8363	---	---
11N20MIMO	Ant1	5785	MCS0	17.621	5776.2105	5793.8315	---	---
11N20MIMO	Ant2	5785	MCS0	17.648	5776.2136	5793.8616	---	---
11N20MIMO	Ant1	5825	MCS0	17.625	5816.1924	5833.8174	---	---
11N20MIMO	Ant2	5825	MCS0	17.613	5816.2320	5833.8450	---	---
11N40MIMO	Ant1	5190	MCS0	36.118	5172.0141	5208.1321	---	---
11N40MIMO	Ant2	5190	MCS0	36.167	5171.9794	5208.1464	---	---
11N40MIMO	Ant1	5230	MCS0	36.141	5212.0032	5248.1442	---	---
11N40MIMO	Ant2	5230	MCS0	36.159	5212.0205	5248.1795	---	---
11N40MIMO	Ant1	5270	MCS0	36.132	5251.9339	5288.0659	---	---
11N40MIMO	Ant2	5270	MCS0	36.128	5251.9762	5288.1042	---	---
11N40MIMO	Ant1	5310	MCS0	36.100	5291.9491	5328.0491	---	---
11N40MIMO	Ant2	5310	MCS0	36.111	5292.0260	5328.1370	---	---
11N40MIMO	Ant1	5510	MCS0	36.118	5491.9602	5528.0782	---	---
11N40MIMO	Ant2	5510	MCS0	36.121	5491.9954	5528.1164	---	---
11N40MIMO	Ant1	5550	MCS0	36.199	5531.9116	5568.1106	---	---
11N40MIMO	Ant2	5550	MCS0	36.153	5531.9313	5568.0843	---	---
11N40MIMO	Ant1	5670	MCS0	36.097	5651.9107	5688.0077	---	---
11N40MIMO	Ant2	5670	MCS0	36.170	5651.9691	5688.1391	---	---
11N40MIMO	Ant1	5755	MCS0	36.136	5736.9108	5773.0468	---	---
11N40MIMO	Ant2	5755	MCS0	36.125	5736.9647	5773.0897	---	---
11N40MIMO	Ant1	5795	MCS0	36.146	5776.9296	5813.0756	---	---
11N40MIMO	Ant2	5795	MCS0	36.153	5776.9591	5813.1121	---	---
11AC20MIMO	Ant1	5180	MCS0	17.648	5171.2138	5188.8618	---	---
11AC20MIMO	Ant2	5180	MCS0	17.642	5171.2224	5188.8644	---	---
11AC20MIMO	Ant1	5200	MCS0	17.629	5191.2390	5208.8680	---	---
11AC20MIMO	Ant2	5200	MCS0	17.653	5191.2211	5208.8741	---	---
11AC20MIMO	Ant1	5240	MCS0	17.641	5231.2096	5248.8506	---	---
11AC20MIMO	Ant2	5240	MCS0	17.638	5231.2203	5248.8583	---	---
11AC20MIMO	Ant1	5260	MCS0	17.610	5251.2198	5268.8298	---	---
11AC20MIMO	Ant2	5260	MCS0	17.628	5251.2077	5268.8357	---	---
11AC20MIMO	Ant1	5280	MCS0	17.598	5271.2251	5288.8231	---	---
11AC20MIMO	Ant2	5280	MCS0	17.652	5271.2192	5288.8712	---	---
11AC20MIMO	Ant1	5320	MCS0	17.651	5311.2050	5328.8560	---	---



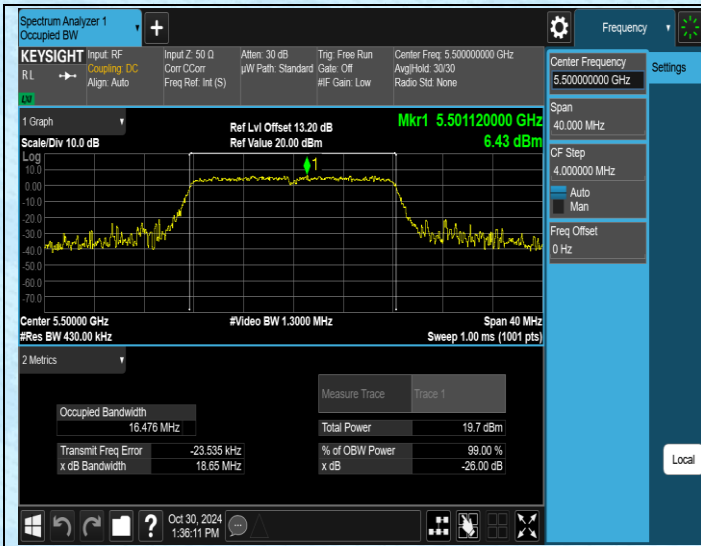
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11AC20MIMO	Ant1	5580	MCS0	17.615	5571.2213	5588.8363	---	---
11AC20MIMO	Ant2	5580	MCS0	17.647	5571.1952	5588.8422	---	---
11AC20MIMO	Ant1	5700	MCS0	17.602	5691.2074	5708.8094	---	---
11AC20MIMO	Ant2	5700	MCS0	17.610	5691.2369	5708.8469	---	---
11AC20MIMO	Ant1	5745	MCS0	17.631	5736.1945	5753.8255	---	---
11AC20MIMO	Ant2	5745	MCS0	17.643	5736.2224	5753.8654	---	---
11AC20MIMO	Ant1	5785	MCS0	17.677	5776.1915	5793.8685	---	---
11AC20MIMO	Ant2	5785	MCS0	17.635	5776.2150	5793.8500	---	---
11AC20MIMO	Ant1	5825	MCS0	17.649	5816.2002	5833.8492	---	---
11AC20MIMO	Ant2	5825	MCS0	17.662	5816.1910	5833.8530	---	---
11AC40MIMO	Ant1	5190	MCS0	36.141	5171.9798	5208.1208	---	---
11AC40MIMO	Ant2	5190	MCS0	36.099	5171.9701	5208.0691	---	---
11AC40MIMO	Ant1	5230	MCS0	36.180	5211.9893	5248.1693	---	---
11AC40MIMO	Ant2	5230	MCS0	36.183	5211.9900	5248.1730	---	---
11AC40MIMO	Ant1	5270	MCS0	36.139	5251.9396	5288.0786	---	---
11AC40MIMO	Ant2	5270	MCS0	36.152	5251.9886	5288.1406	---	---
11AC40MIMO	Ant1	5310	MCS0	36.132	5291.9618	5328.0938	---	---
11AC40MIMO	Ant2	5310	MCS0	36.144	5291.9988	5328.1428	---	---
11AC40MIMO	Ant1	5510	MCS0	36.111	5491.9720	5528.0830	---	---
11AC40MIMO	Ant2	5510	MCS0	36.202	5491.9534	5528.1554	---	---
11AC40MIMO	Ant1	5550	MCS0	36.162	5531.9520	5568.1140	---	---
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11AC40MIMO	Ant1	5670	MCS0	36.191	5651.8965	5688.0875	---	---
11AC40MIMO	Ant2	5670	MCS0	36.153	5651.9828	5688.1358	---	---
11AC40MIMO	Ant1	5755	MCS0	36.148	5736.9248	5773.0728	---	---
11AC40MIMO	Ant2	5755	MCS0	36.130	5736.9688	5773.0988	---	---
11AC40MIMO	Ant1	5795	MCS0	36.182	5776.9477	5813.1297	---	---
11AC40MIMO	Ant2	5795	MCS0	36.109	5776.9845	5813.0935	---	---
11AC80MIMO	Ant1	5210	MCS0	74.564	5172.9843	5247.5483	---	---
11AC80MIMO	Ant2	5210	MCS0	74.650	5172.7969	5247.4469	---	---
11AC80MIMO	Ant1	5290	MCS0	74.494	5252.6742	5327.1682	---	---
11AC80MIMO	Ant2	5290	MCS0	74.563	5252.9872	5327.5502	---	---
11AC80MIMO	Ant1	5530	MCS0	74.554	5492.8503	5567.4043	---	---
11AC80MIMO	Ant2	5530	MCS0	74.516	5492.6806	5567.1966	---	---
11AC80MIMO	Ant1	5610	MCS0	74.418	5572.8463	5647.2643	---	---
11AC80MIMO	Ant2	5610	MCS0	74.598	5572.6935	5647.2915	---	---
11AC80MIMO	Ant1	5775	MCS0	74.622	5737.5962	5812.2182	---	---
11AC80MIMO	Ant2	5775	MCS0	74.469	5737.6089	5812.0779	---	---

## Test Graphs

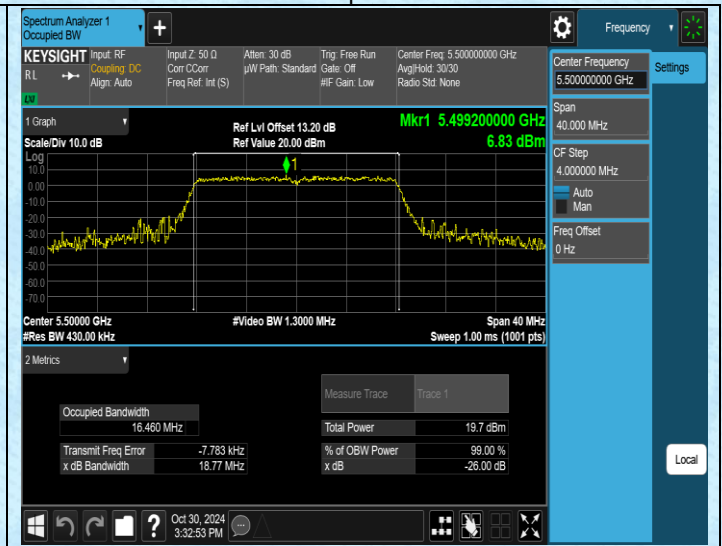




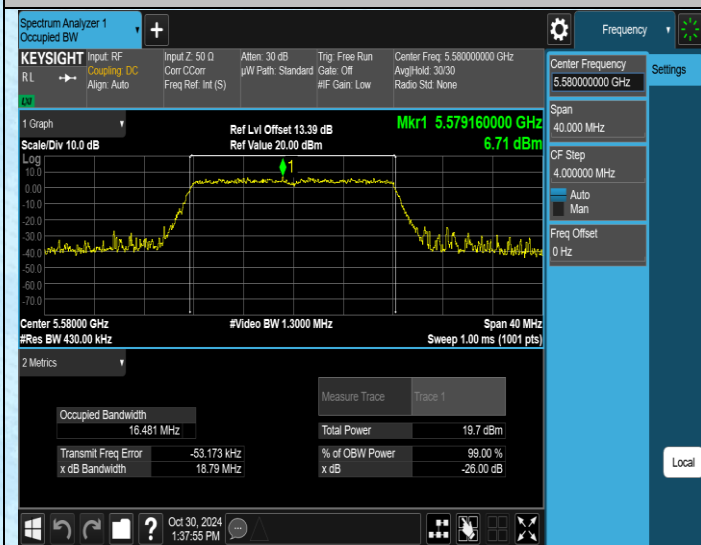




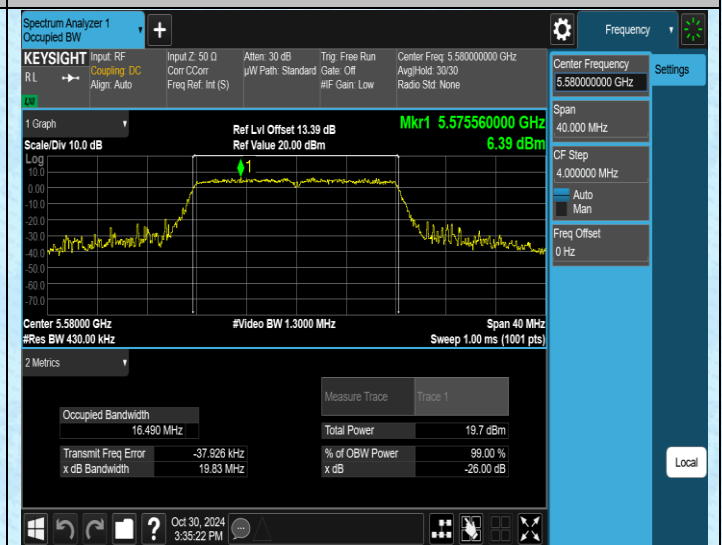
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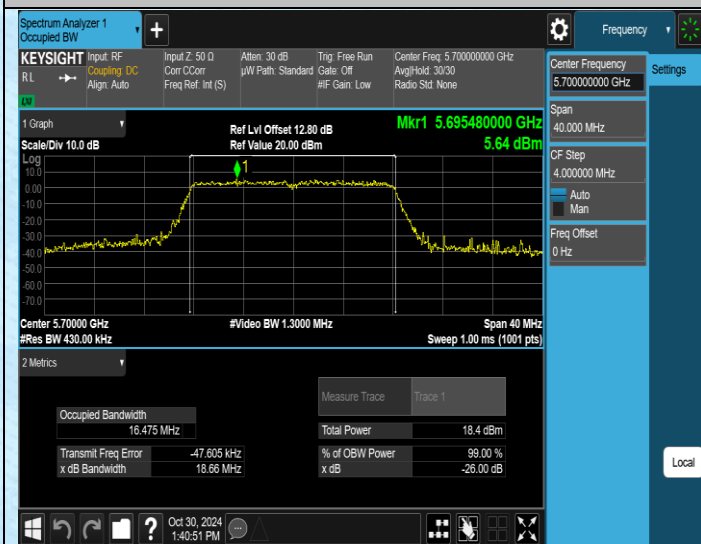
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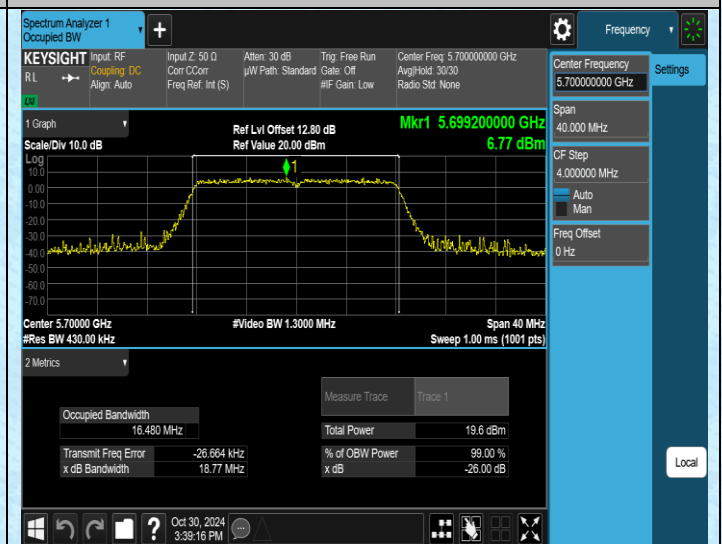
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11A-Ant2-5580



11A-Ant1-5700



11A-Ant2-5700