11.2. APPENDIX A2: OCCUPIED CHANNEL BANDWIDTH

11.2.1. Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	17.603	5171.3082	5188.9116	---	---
	Ant1	5180	17.704	5171.2482	5188.9525	---	---
	Ant0	5200	17.78	5191.1149	5208.8946	---	---
	Ant1	5200	17.727	5191.2042	5208.9308	---	---
	Ant0	5240	17.345	5231.3957	5248.7403	---	---
	Ant1	5240	17.415	5231.3705	5248.7855	---	---
	Ant0	5260	17.25	5251.4115	5268.6610	---	---
	Ant1	5260	17.272	5251.3972	5268.6691	---	---
	Ant0	5280	17.235	5271.3964	5288.6316	---	---
	Ant1	5280	17.313	5271.3886	5288.7013	---	---
	Ant0	5320	17.698	5311.0848	5328.7830	---	---
	Ant1	5320	17.695	5311.1107	5328.8055	---	---
	Ant0	5500	17.304	5491.4235	5508.7275	---	---
	Ant1	5500	17.257	5491.4116	5508.6686	---	---
	Ant0	5580	16.953	5571.5387	5588.4917	---	---
	Ant1	5580	16.932	5571.5559	5588.4879	---	---
	Ant0	5700	17.138	5691.4061	5708.5441	---	---
	Ant1	5700	17.136	5691.4065	5708.5425	---	---
	Ant0	5720	17.050	5711.4889	5728.5389	---	---
	Ant1	5720	16.988	5711.5324	5728.5204	---	---
	Ant0	5720_UNII-2C	13.511	5711.4889	5725	---	---
	Ant1	5720_UNII-2C	13.468	5711.5324	5725	---	---
	Ant0	5720_UNII-3	3.539	5725	5728.5389	---	---
	Ant1	5720_UNII-3	3.52	5725	5728.5204	---	---
	Ant0	5745	17.221	5736.4790	5753.7000	---	---
	Ant1	5745	17.141	5736.5372	5753.6782	---	---
	Ant0	5785	17.006	5776.5311	5793.5371	---	---
	Ant1	5785	17.067	5776.5117	5793.5787	---	---
	Ant0	5825	17.179	5816.3766	5833.5556	---	---
	Ant1	5825	17.094	5816.4579	5833.5519	---	---
11N20MIMO	Ant0	5180	18.274	5170.9213	5189.1953	---	---
	Ant1	5180	18.115	5170.9424	5189.0574	---	---
	Ant0	5200	18.302	5190.8679	5209.1699	---	---
	Ant1	5200	18.100	5190.9917	5209.0917	---	---
	Ant0	5240	18.005	5231.0311	5249.0361	---	---
	Ant1	5240	17.822	5231.1225	5248.9445	---	---
	Ant0	5260	18.073	5250.9955	5269.0685	---	---
	Ant1	5260	17.863	5251.1044	5268.9674	---	---
	Ant0	5280	18.075	5271.0217	5289.0967	---	---
	Ant1	5280	17.877	5271.1129	5288.9899	---	---
	Ant0	5320	18.328	5310.8222	5329.1502	---	---
	Ant1	5320	18.060	5310.9752	5329.0352	---	---
	Ant0	5500	18.276	5490.9070	5509.1830	---	---
	Ant1	5500	18.091	5490.9883	5509.0793	---	---
	Ant0	5580	18.084	5570.9777	5589.0617	---	---
	Ant1	5580	17.886	5571.0854	5588.9714	---	---
	Ant0	5700	18.203	5690.8753	5709.0783	---	---
	Ant1	5700	18.004	5690.9843	5708.9883	---	---
	Ant0	5720	18.048	5711.0280	5729.0760	---	---
	Ant1	5720	17.888	5711.0745	5728.9625	---	---
	Ant0	5720_UNII-2C	13.972	5711.0280	5725	---	---
	Ant1	5720_UNII-2C	13.926	5711.0745	5725	---	---
	Ant0	5720_UNII-3	4.076	5725	5729.0760	---	---
	Ant1	5720_UNII-3	3.962	5725	5728.9625	---	---
	Ant0	5745	18.247	5735.9402	5754.1872	---	---
	Ant1	5745	18.092	5736.0415	5754.1335	---	---
	Ant0	5785	18.036	5776.0387	5794.0747	---	---
	Ant1	5785	17.884	5776.0793	5793.9633	---	---
	Ant0	5825	18.213	5815.8692	5834.0822	---	---
	Ant1	5825	18.072	5815.9693	5834.0413	---	---
11N40MIMO	Ant0	5190	36.425	5171.8714	5208.2964	---	---
	Ant1	5190	36.498	5171.8339	5208.3319	---	---

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	Ant0	5230	36.325	5211.8669	5248.1919	---	---
	Ant1	5230	36.180	5211.9157	5248.0957	---	---
	Ant0	5270	36.219	5251.8975	5288.1165	---	---
	Ant1	5270	36.197	5251.9857	5288.1827	---	---
	Ant0	5310	36.617	5291.6123	5328.2293	---	---
	Ant1	5310	36.442	5291.8141	5328.2561	---	---
	Ant0	5510	36.512	5491.8487	5528.3607	---	---
	Ant1	5510	36.476	5491.9021	5528.3781	---	---
	Ant0	5550	36.308	5531.9314	5568.2394	---	---
	Ant1	5550	36.233	5531.9843	5568.2173	---	---
	Ant0	5670	36.791	5651.7289	5688.5199	---	---
	Ant1	5670	36.605	5651.7115	5688.3165	---	---
	Ant0	5710	36.310	5691.8545	5728.1645	---	---
	Ant1	5710	36.146	5691.9559	5728.1019	---	---
	Ant0	5710_UNII-2C	33.145	5691.8545	5725	---	---
	Ant1	5710_UNII-2C	33.044	5691.9559	5725	---	---
	Ant0	5710_UNII-3	3.164	5725	5728.1645	---	---
	Ant1	5710_UNII-3	3.102	5725	5728.1019	---	---
	Ant0	5755	36.550	5736.8695	5773.4195	---	---
	Ant1	5755	36.515	5736.8523	5773.3673	---	---
	Ant0	5795	36.199	5776.9307	5813.1297	---	---
	Ant1	5795	36.212	5776.9210	5813.1330	---	---
11AC80MIMO	Ant0	5210	75.792	5172.2653	5248.0573	---	---
	Ant1	5210	75.650	5172.4210	5248.0710	---	---
	Ant0	5290	75.787	5252.0558	5327.8428	---	---
	Ant1	5290	75.782	5252.0088	5327.7908	---	---
	Ant0	5530	76.065	5492.1495	5568.2145	---	---
	Ant1	5530	75.723	5492.2898	5568.0128	---	---
	Ant0	5610	75.397	5572.4548	5647.8518	---	---
	Ant1	5610	75.315	5572.3810	5647.6960	---	---
	Ant0	5690	75.477	5652.4300	5727.9070	---	---
	Ant1	5690	75.457	5652.3933	5727.8503	---	---
	Ant0	5690_UNII-2C	72.57	5652.4300	5725	---	---
	Ant1	5690_UNII-2C	72.607	5652.3933	5725	---	---
	Ant0	5690_UNII-3	2.907	5725	5727.9070	---	---
	Ant1	5690_UNII-3	2.85	5725	5727.8503	---	---
	Ant0	5775	75.339	5737.4849	5812.8239	---	---
	Ant1	5775	75.312	5737.4835	5812.7955	---	---
11AC160MIMO	Ant0	5250	155.299	5172.4063	5327.7052	---	---
	Ant1	5250	155.365	5172.3440	5327.7091	---	---
	Ant0	5250_UNII-1	77.594	5172.4063	5250	---	---
	Ant1	5250_UNII-1	77.656	5172.3440	5250	---	---
	Ant0	5250_UNII-2A	77.705	5250	5327.7052	---	---
	Ant1	5250_UNII-2A	77.709	5250	5327.7091	---	---
	Ant0	5570	155.363	5492.5423	5647.9052	---	---
	Ant1	5570	155.754	5492.0827	5647.8364	---	---
11AX20MIMO	Ant0	5180	19.152	5170.4692	5189.6212	---	---
	Ant1	5180	19.156	5170.4687	5189.6247	---	---
	Ant0	5200	19.175	5190.4608	5209.6358	---	---
	Ant1	5200	19.174	5190.4575	5209.6315	---	---
	Ant0	5240	18.941	5230.5741	5249.5151	---	---
	Ant1	5240	18.918	5230.5568	5249.4748	---	---
	Ant0	5260	19.041	5250.5207	5269.5617	---	---
	Ant1	5260	19.074	5250.4724	5269.5464	---	---
	Ant0	5280	19.088	5270.4653	5289.5533	---	---
	Ant1	5280	19.105	5270.4487	5289.5537	---	---
	Ant0	5320	19.176	5310.4367	5329.6127	---	---
	Ant1	5320	19.179	5310.4151	5329.5941	---	---
	Ant0	5500	19.139	5490.4434	5509.5824	---	---
	Ant1	5500	19.154	5490.4323	5509.5863	---	---
	Ant0	5580	19.029	5570.4955	5589.5245	---	---
	Ant1	5580	19.154	5570.4221	5589.5761	---	---
	Ant0	5700	19.207	5690.4245	5709.6315	---	---
	Ant1	5700	19.105	5690.4433	5709.5483	---	---
	Ant0	5720	19.047	5710.5283	5729.5753	---	---
	Ant1	5720	19.046	5710.4928	5729.5388	---	---
	Ant0	5720_UNII-2C	14.472	5710.5283	5725	---	---
	Ant1	5720_UNII-2C	14.507	5710.4928	5725	---	---
	Ant0	5720_UNII-3	4.575	5725	5729.5753	---	---
	Ant1	5720_UNII-3	4.539	5725	5729.5388	---	---

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	Ant0	5745	19.191	5735.4703	5754.6613	---	---
	Ant1	5745	19.110	5735.5081	5754.6181	---	---
	Ant0	5785	19.152	5775.4743	5794.6263	---	---
	Ant1	5785	19.045	5775.5192	5794.5642	---	---
	Ant0	5825	19.190	5815.4107	5834.6007	---	---
	Ant1	5825	19.177	5815.4226	5834.5996	---	---
11AX40MIMO	Ant0	5190	37.929	5171.0914	5209.0204	---	---
	Ant1	5190	37.850	5171.1270	5208.9770	---	---
	Ant0	5230	37.666	5211.1837	5248.8497	---	---
	Ant1	5230	37.589	5211.2787	5248.8677	---	---
	Ant0	5270	37.650	5251.2474	5288.8974	---	---
	Ant1	5270	37.622	5251.2251	5288.8471	---	---
	Ant0	5310	37.790	5291.1136	5328.9036	---	---
	Ant1	5310	37.759	5291.1424	5328.9014	---	---
	Ant0	5510	38.025	5491.0449	5529.0699	---	---
	Ant1	5510	37.827	5491.1640	5528.9910	---	---
	Ant0	5550	37.693	5531.2061	5568.8991	---	---
	Ant1	5550	37.713	5531.2117	5568.9247	---	---
	Ant0	5670	37.917	5651.1134	5689.0304	---	---
	Ant1	5670	37.931	5651.1032	5689.0342	---	---
	Ant0	5710	37.644	5691.1852	5728.8292	---	---
	Ant1	5710	37.657	5691.1823	5728.8393	---	---
	Ant0	5710_UNII-2C	33.815	5691.1852	5725	---	---
	Ant1	5710_UNII-2C	33.818	5691.1823	5725	---	---
	Ant0	5710_UNII-3	3.829	5725	5728.8292	---	---
	Ant1	5710_UNII-3	3.839	5725	5728.8393	---	---
	Ant0	5755	37.907	5736.1902	5774.0972	---	---
	Ant1	5755	37.948	5736.1106	5774.0586	---	---
	Ant0	5795	37.684	5776.1611	5813.8451	---	---
	Ant1	5795	37.543	5776.2759	5813.8189	---	---
11AX80MIMO	Ant0	5210	77.251	5171.4990	5248.7500	---	---
	Ant1	5210	77.475	5171.4512	5248.9262	---	---
	Ant0	5290	77.396	5251.1661	5328.5621	---	---
	Ant1	5290	77.315	5251.3587	5328.6737	---	---
	Ant0	5530	77.617	5491.3613	5568.9783	---	---
	Ant1	5530	77.456	5491.3874	5568.8434	---	---
	Ant0	5610	77.071	5571.6094	5648.6804	---	---
	Ant1	5610	77.141	5571.5027	5648.6437	---	---
	Ant0	5690	77.056	5651.5853	5728.6413	---	---
	Ant1	5690	76.899	5651.6363	5728.5353	---	---
	Ant0	5690_UNII-2C	73.415	5651.5853	5725	---	---
	Ant1	5690_UNII-2C	73.364	5651.6363	5725	---	---
	Ant0	5690_UNII-3	3.641	5725	5728.6413	---	---
	Ant1	5690_UNII-3	3.535	5725	5728.5353	---	---
	Ant0	5775	76.916	5736.6325	5813.5485	---	---
	Ant1	5775	77.250	5736.4332	5813.6832	---	---
11AX160MIMO	Ant0	5250	156.88	5171.5679	5328.4483	---	---
	Ant1	5250	156.954	5171.8207	5328.7748	---	---
	Ant0	5250_UNII-1	78.432	5171.5679	5250	---	---
	Ant1	5250_UNII-1	78.179	5171.8207	5250	---	---
	Ant0	5250_UNII-2A	78.448	5250	5328.4483	---	---
	Ant1	5250_UNII-2A	78.775	5250	5328.7748	---	---
	Ant0	5570	156.782	5491.7416	5648.5234	---	---
	Ant1	5570	157.611	5491.0091	5648.6199	---	---

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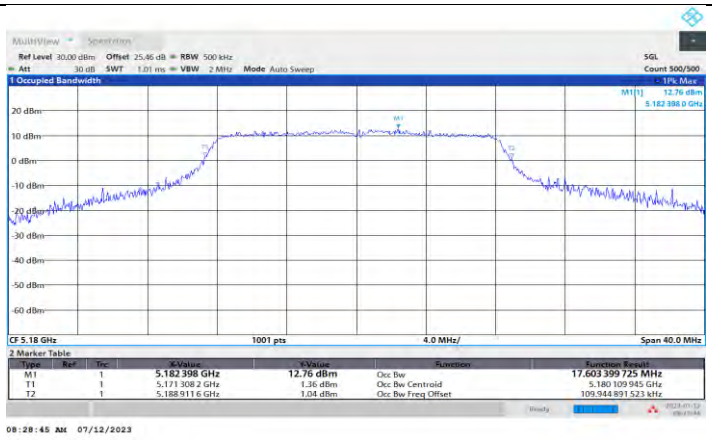
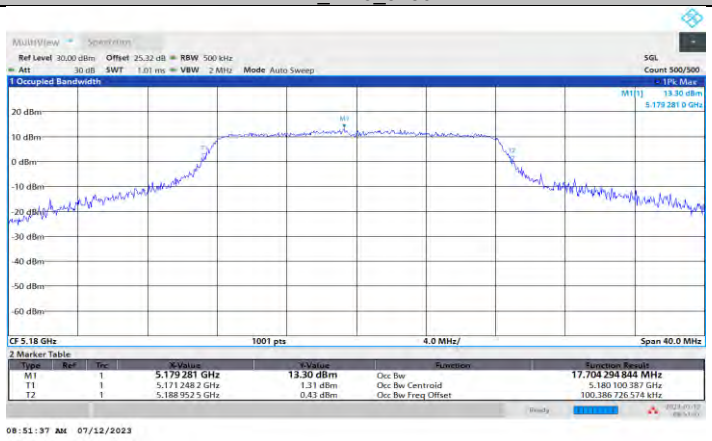
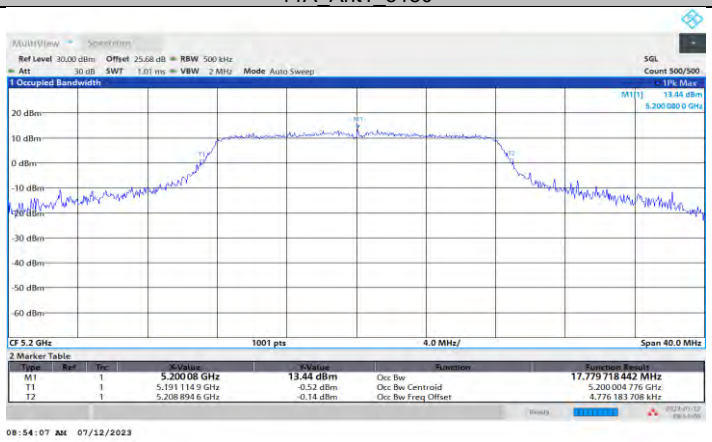
11.2.2. Test Graphs



11A_Ant0_5180



11A_Ant1_5180



11A_Ant0_5200

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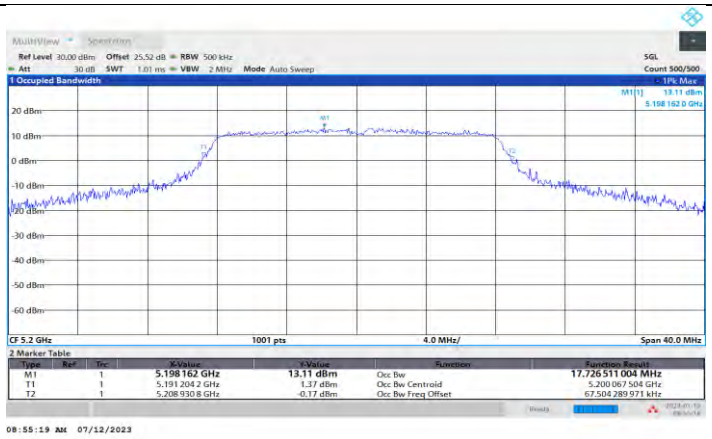
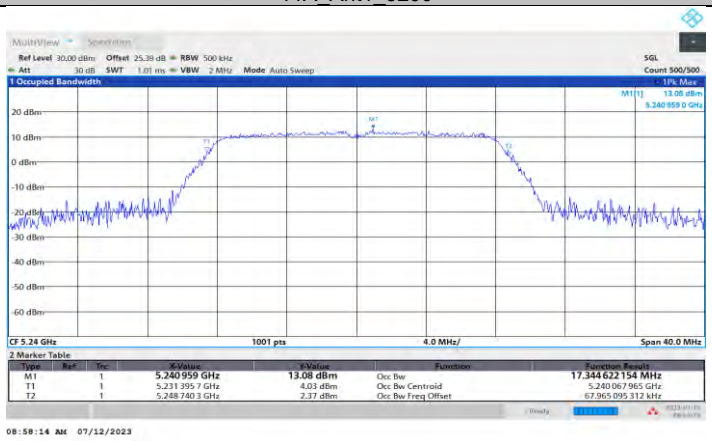
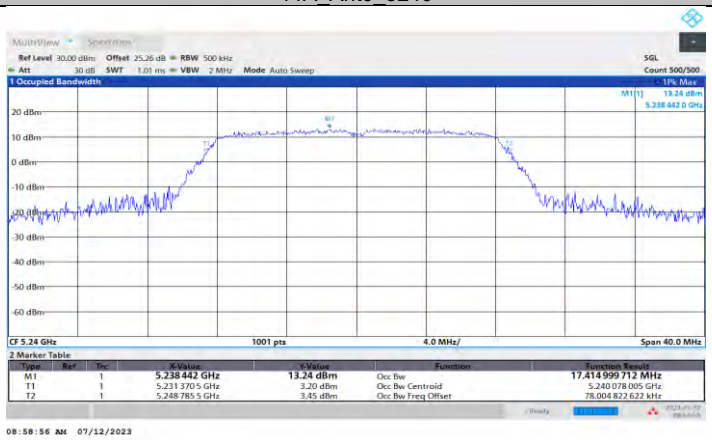


11A_Ant1_5200



11A_Ant0_5240



11A_Ant1_5240

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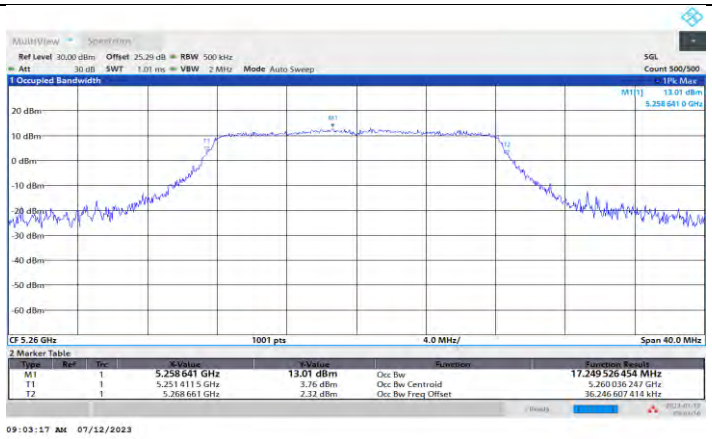
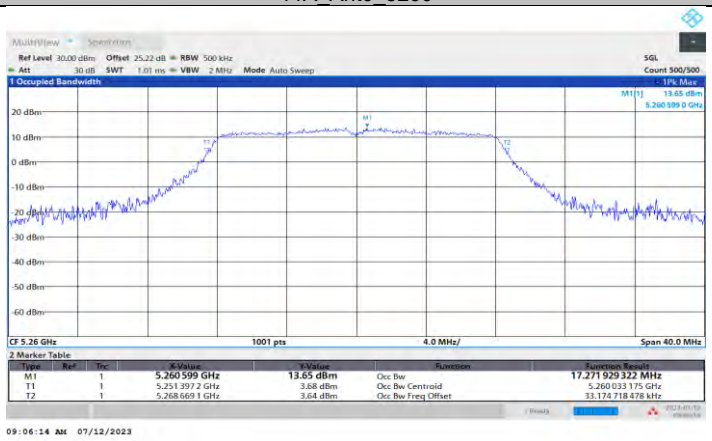
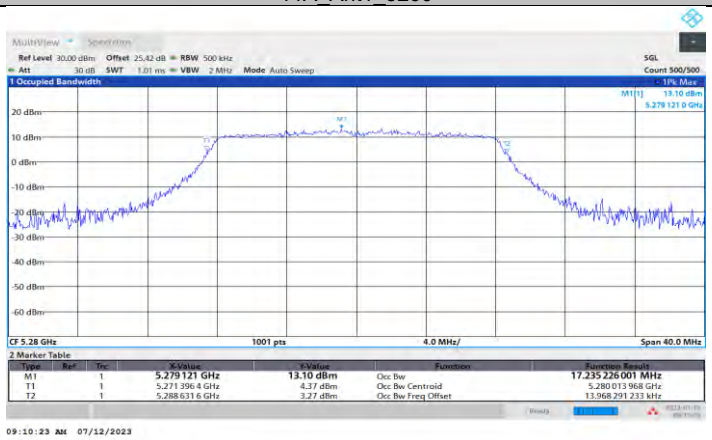


11A_Ant0_5260



11A_Ant1_5260



11A_Ant0_5280

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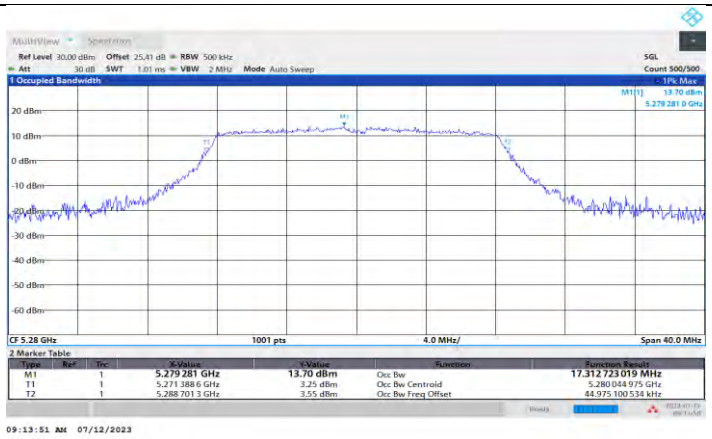
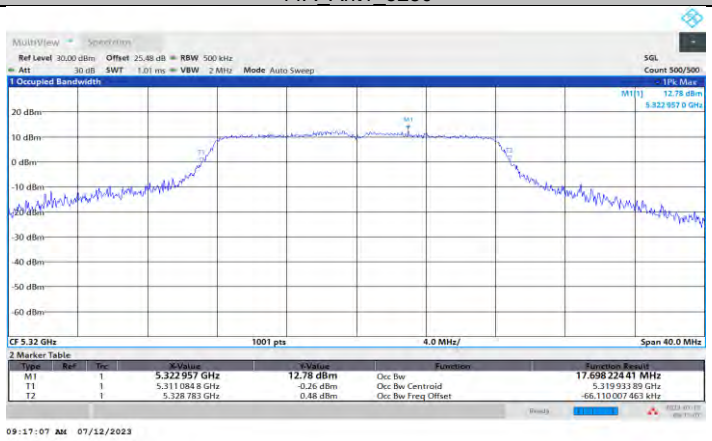
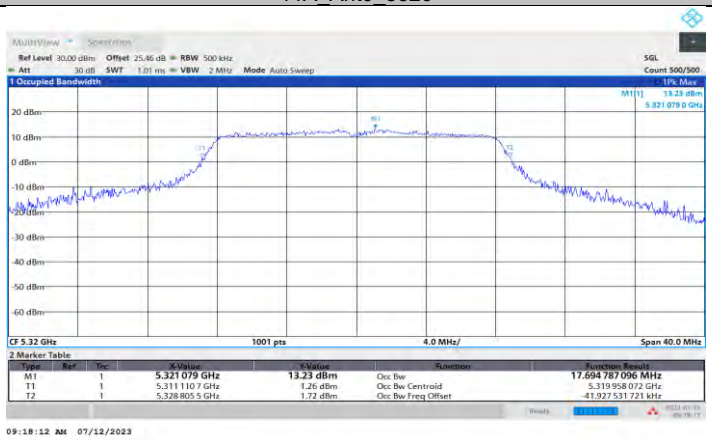


11A_Ant1_5280



11A_Ant0_5320



11A_Ant1_5320

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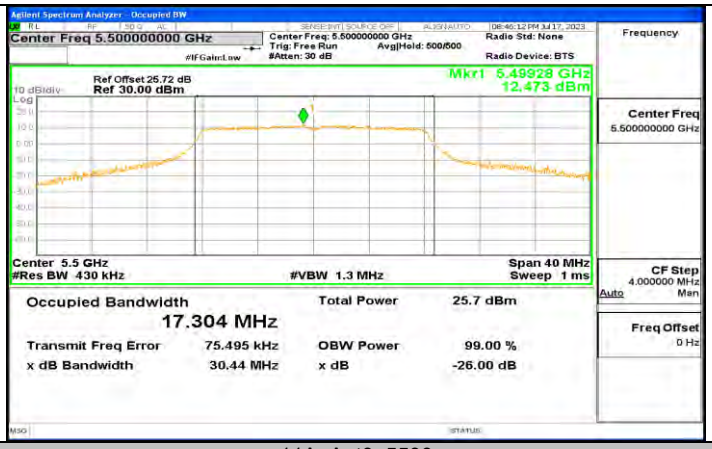
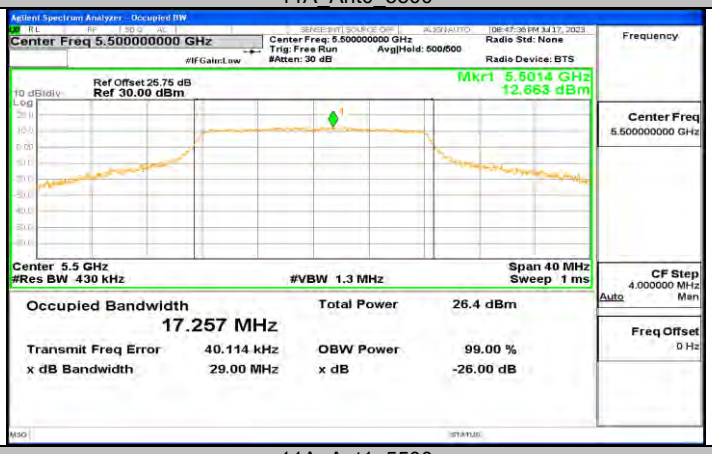
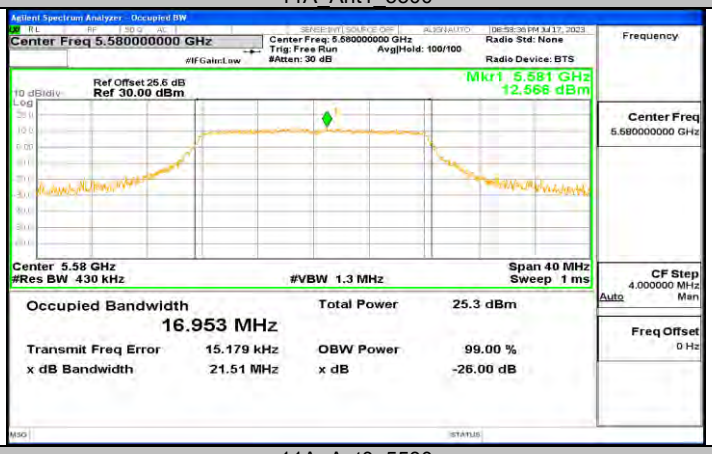


11A_Ant0_5500



11A_Ant1_5500



11A_Ant0_5580

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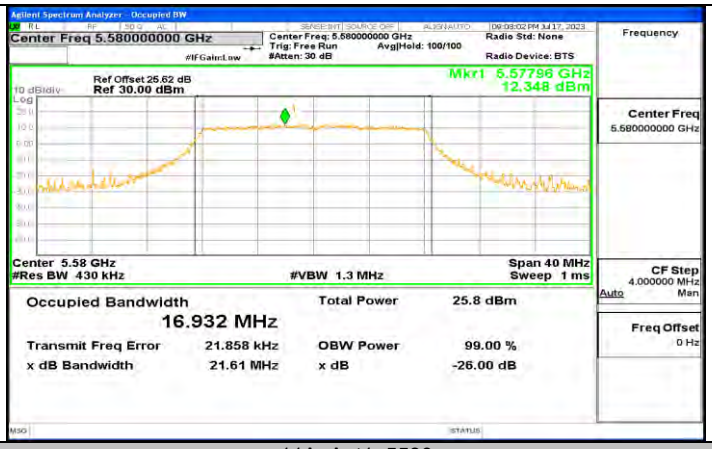
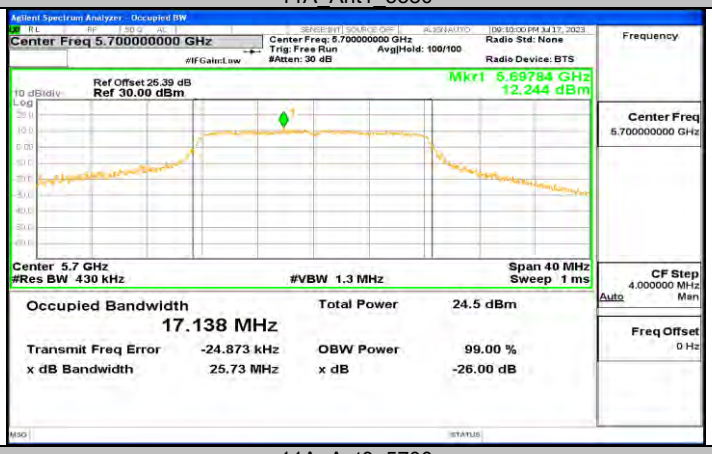


11A_Ant1_5580



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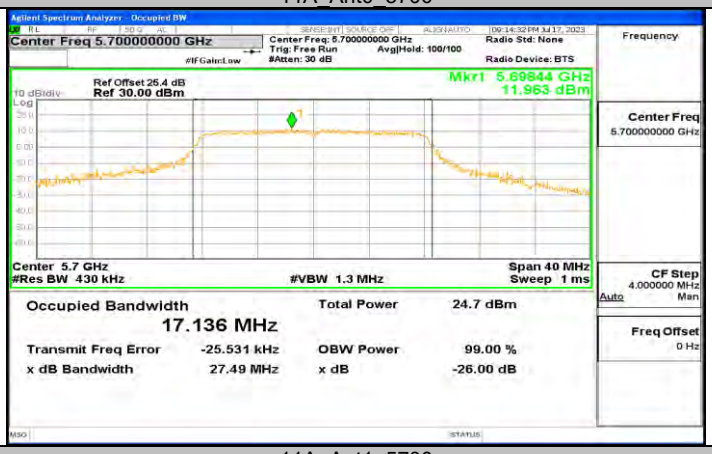

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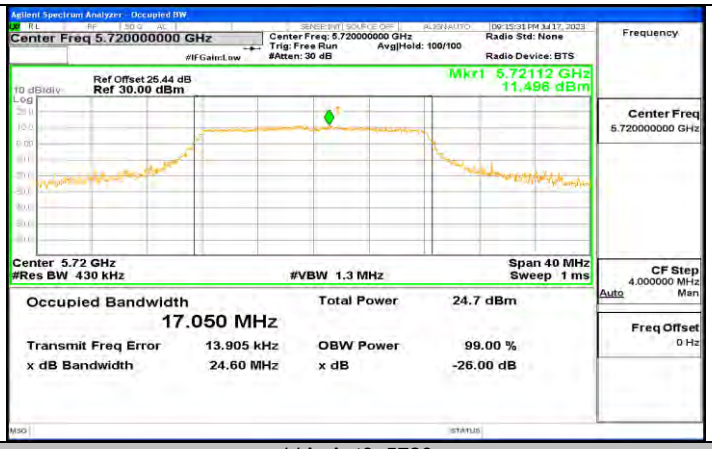

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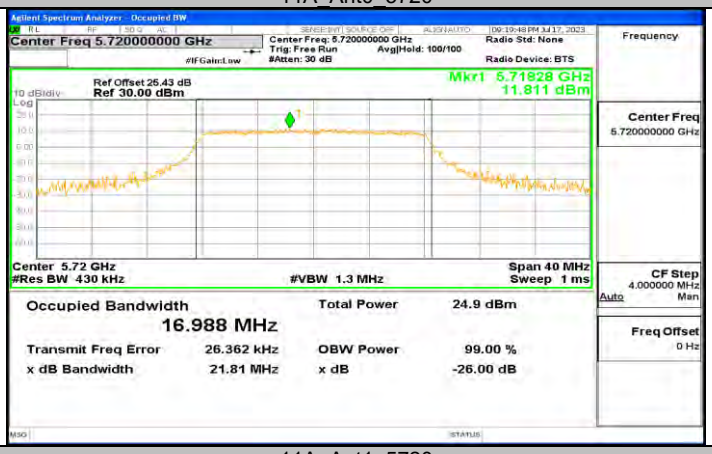

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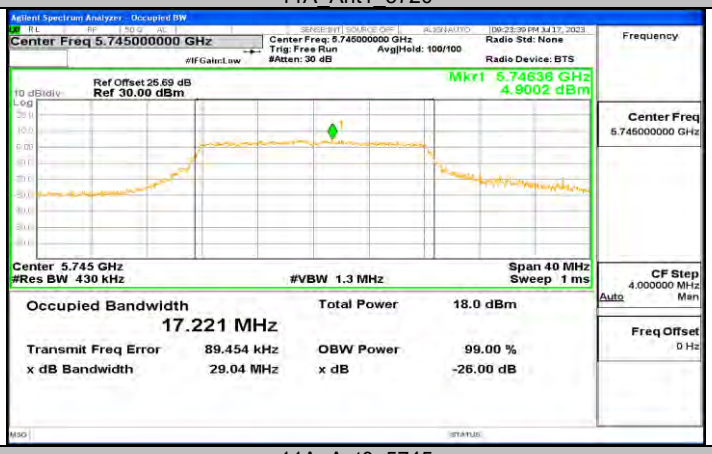

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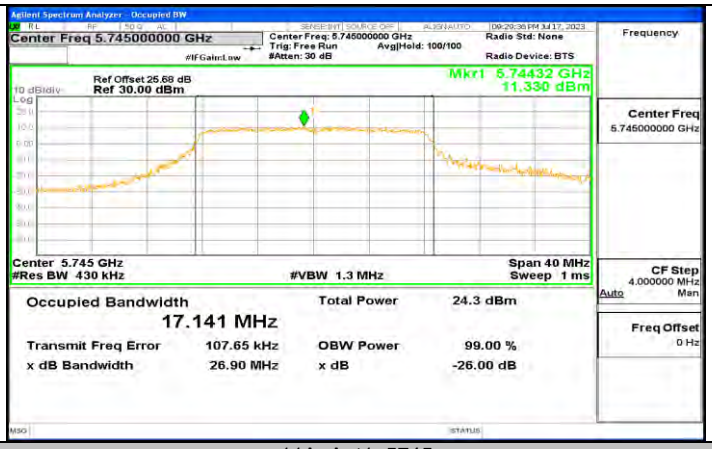

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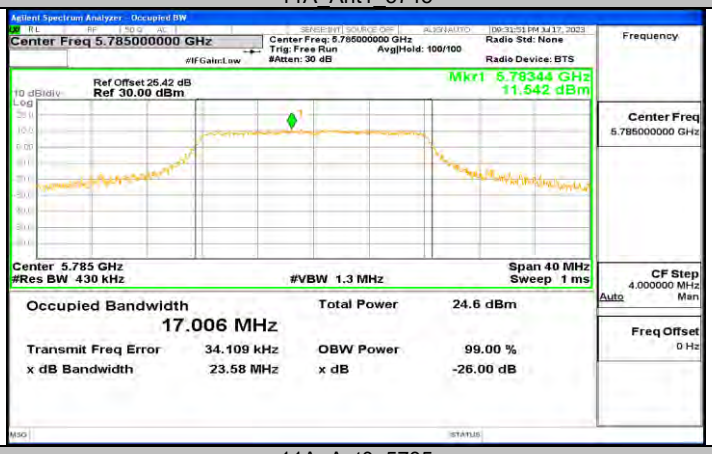

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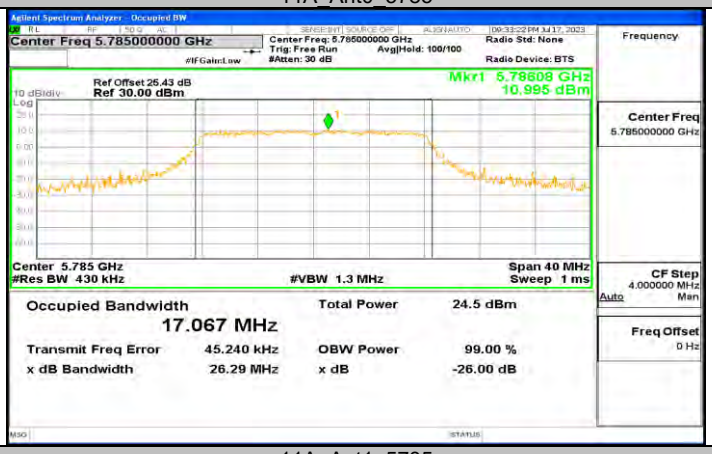

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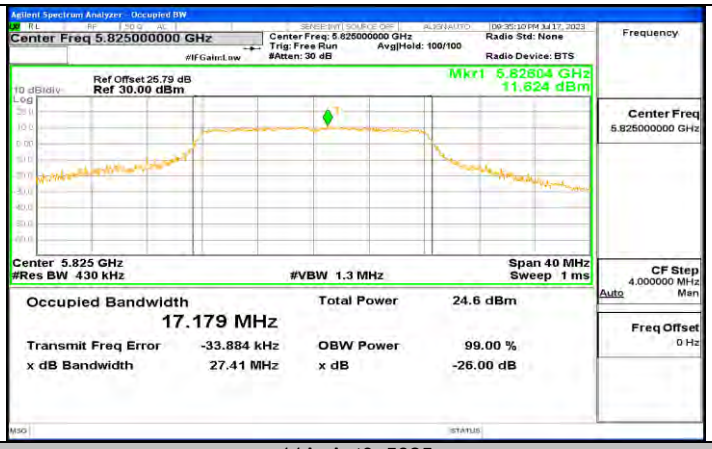

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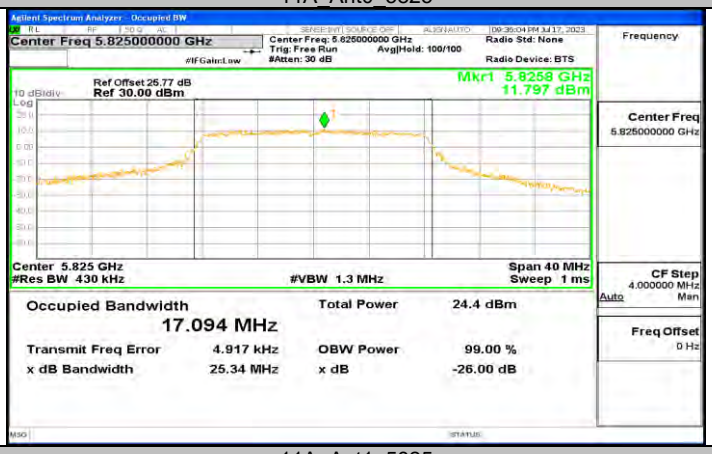

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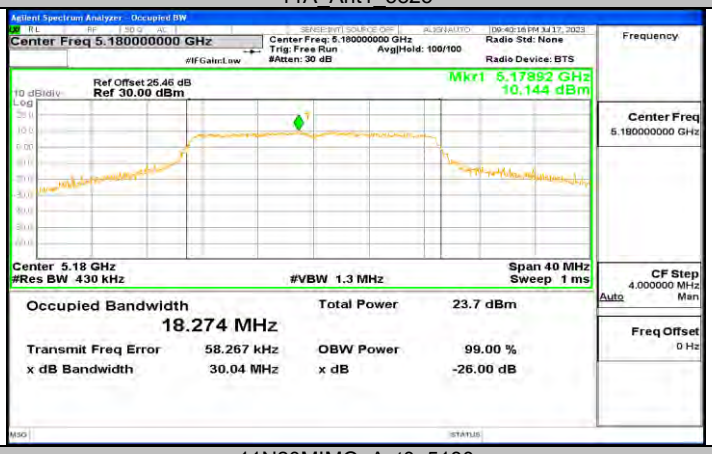

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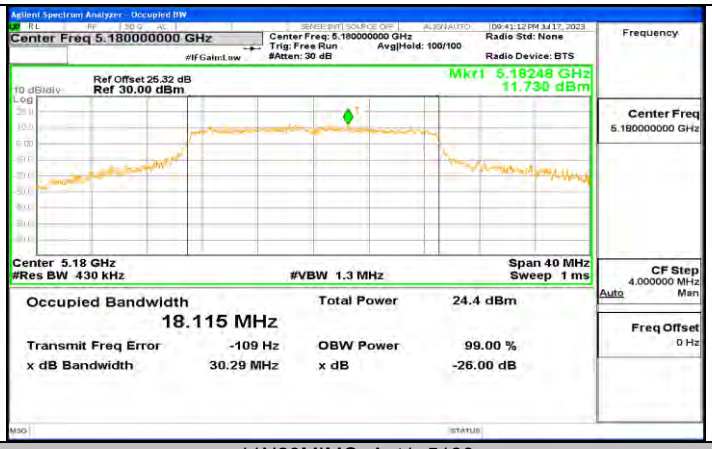

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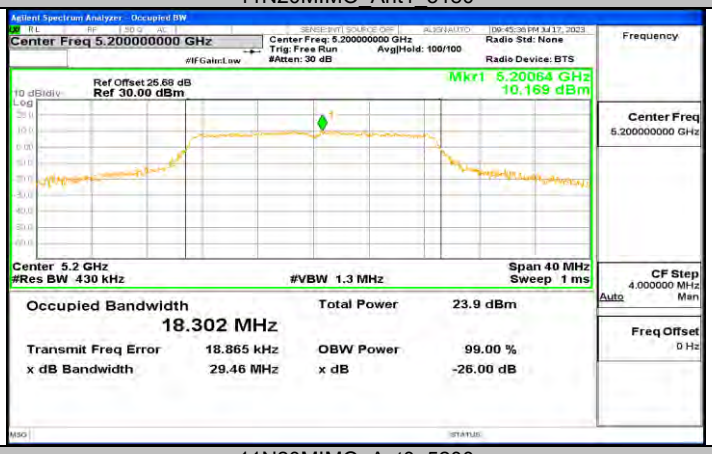

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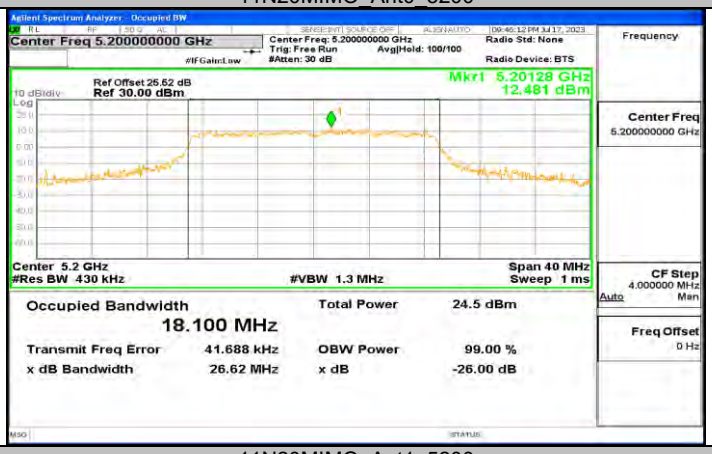

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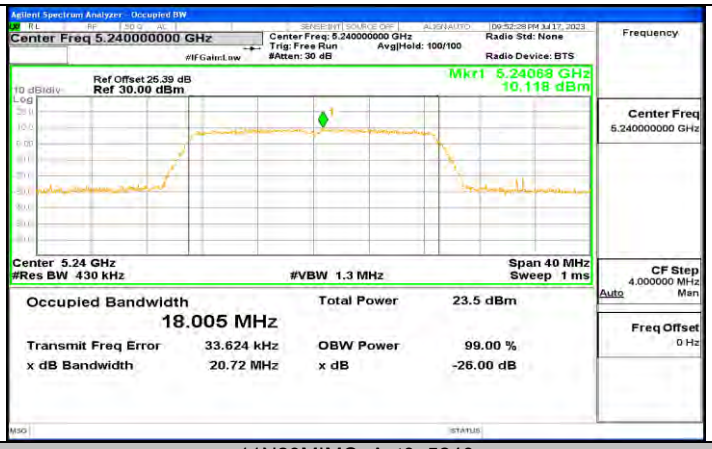

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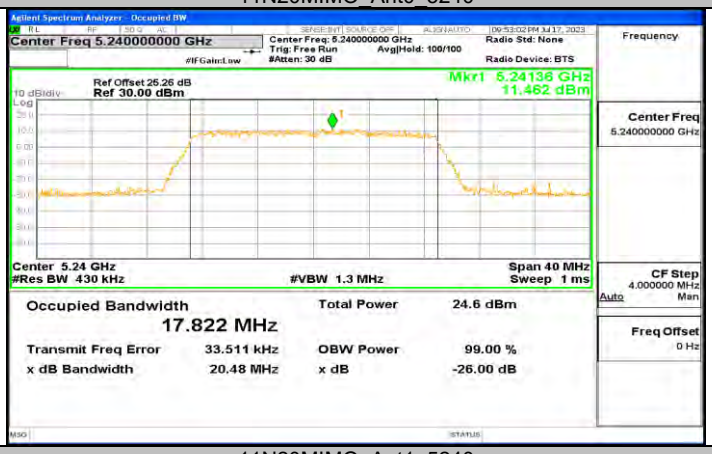

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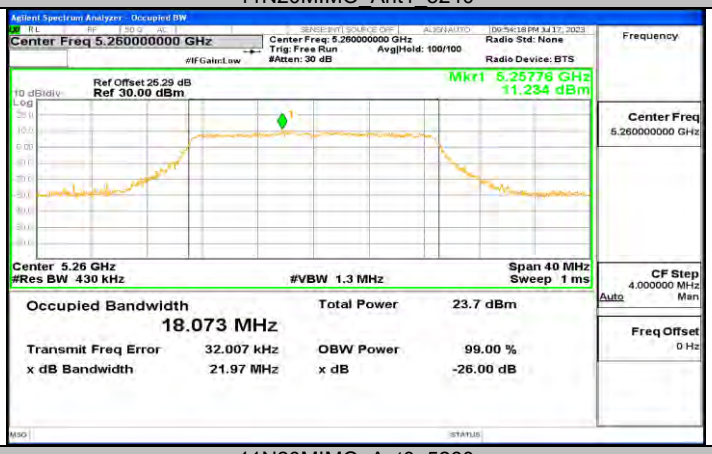

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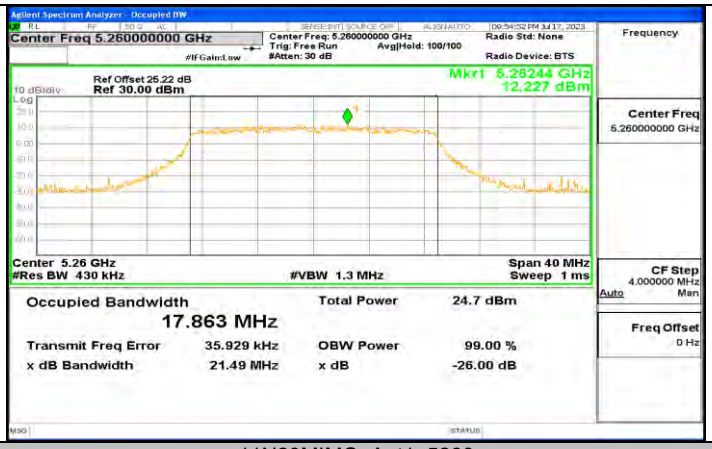

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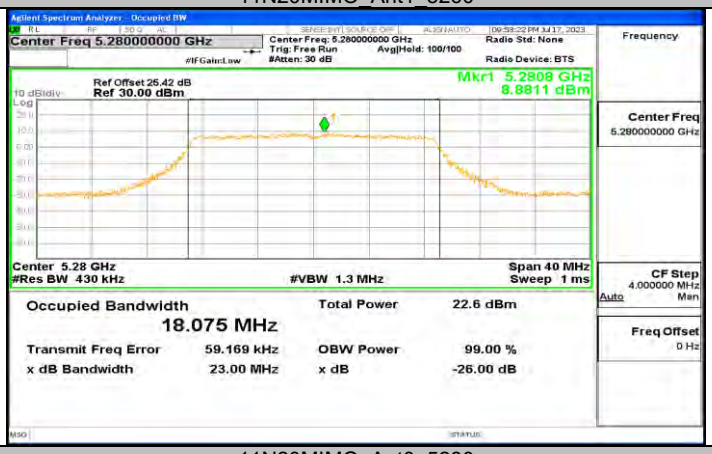

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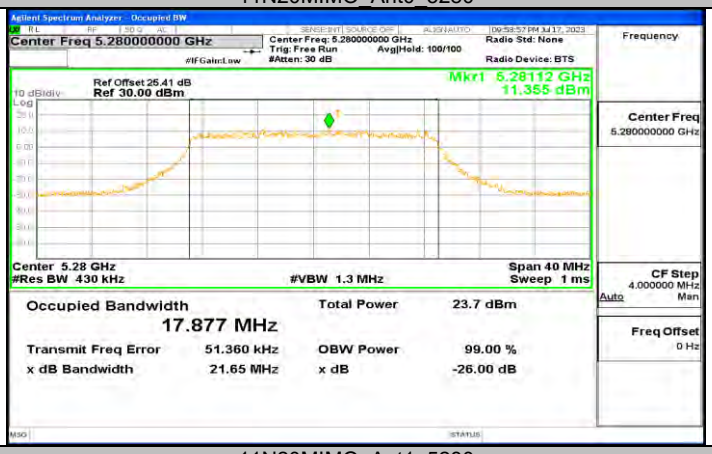

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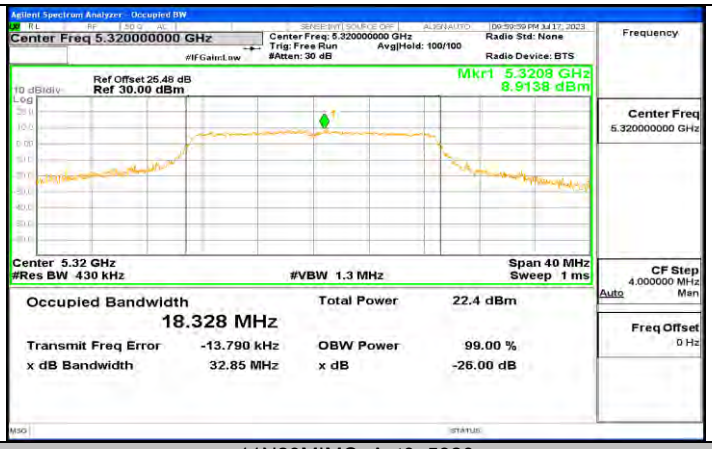

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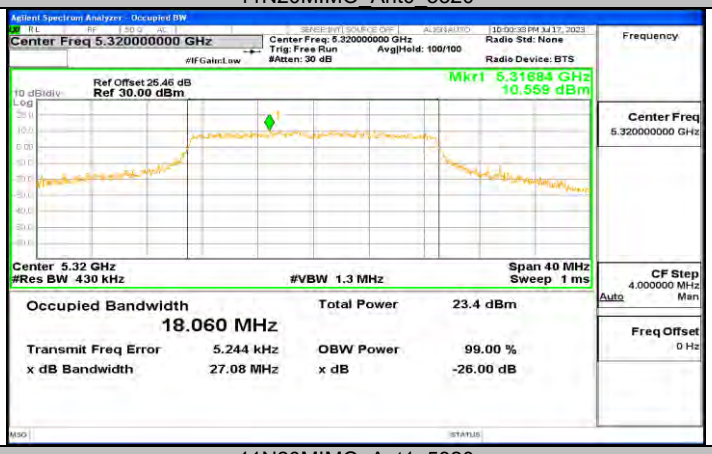

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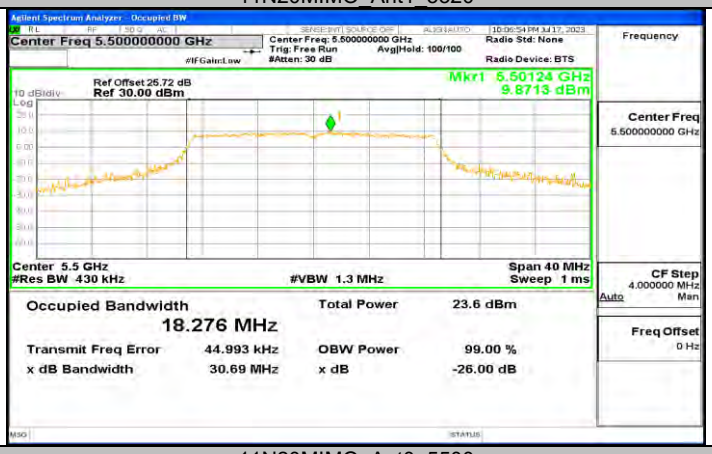

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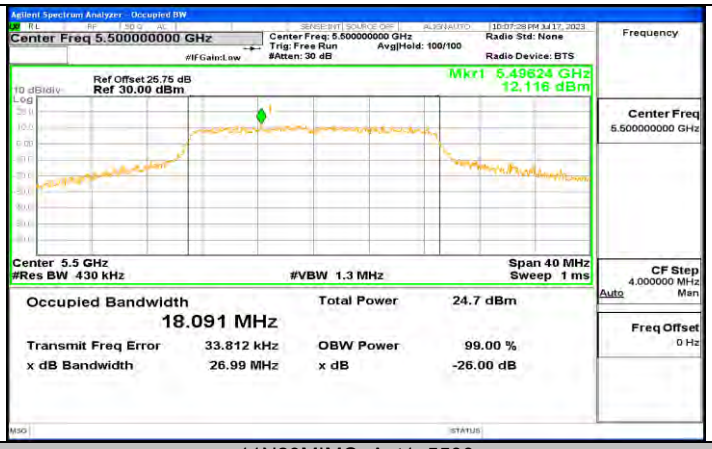

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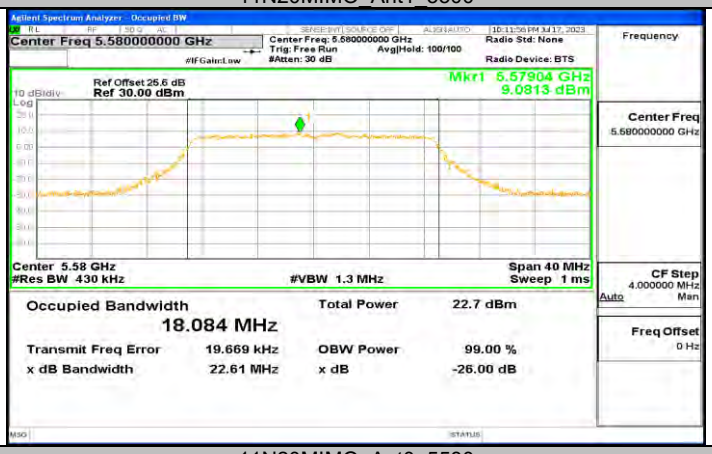

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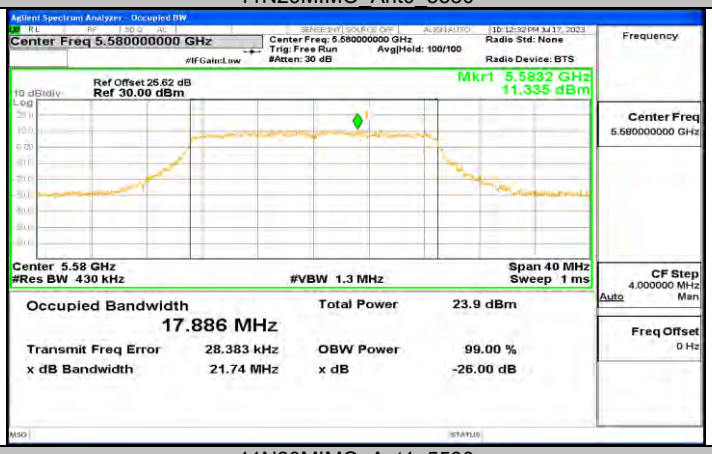

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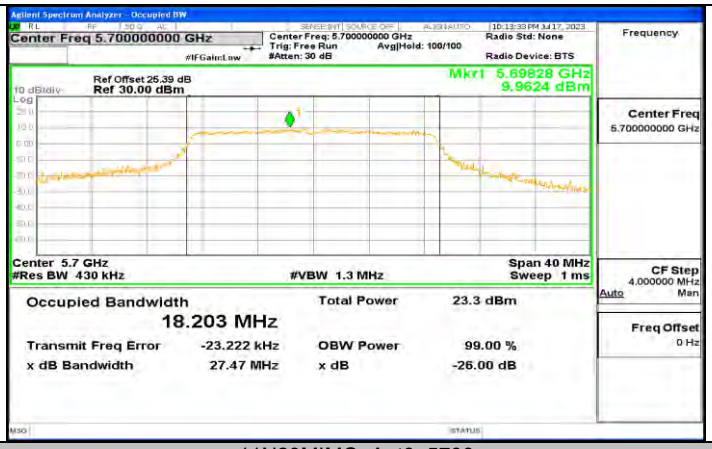

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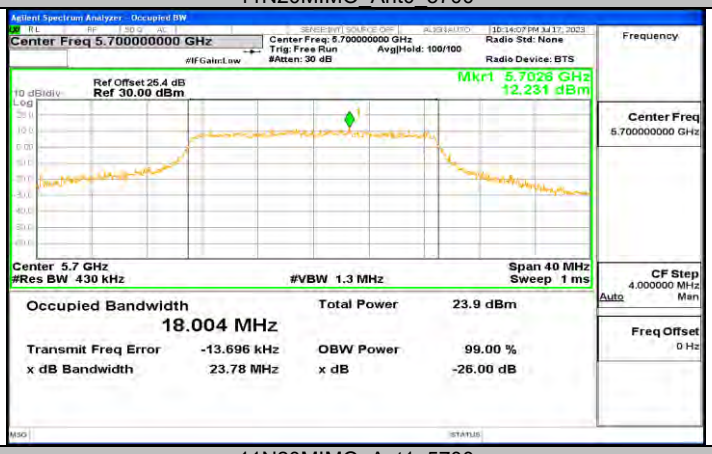

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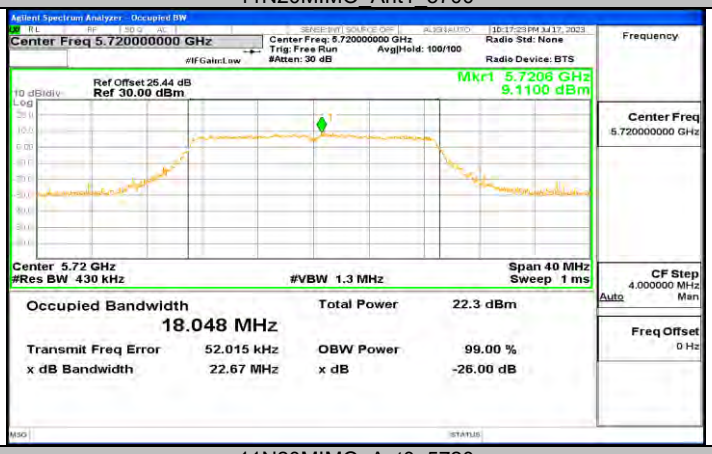

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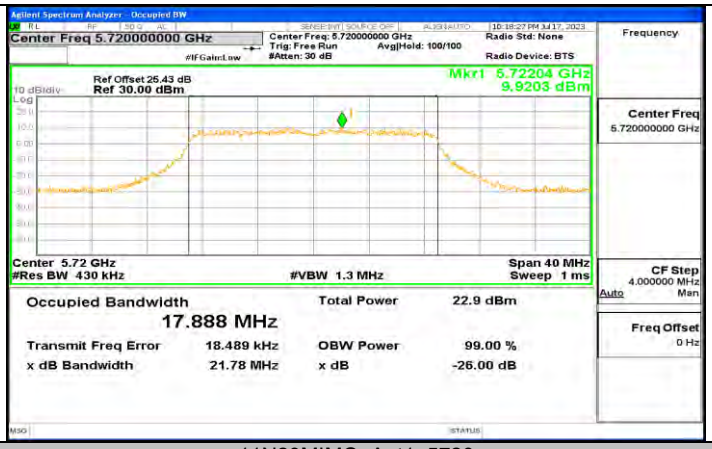

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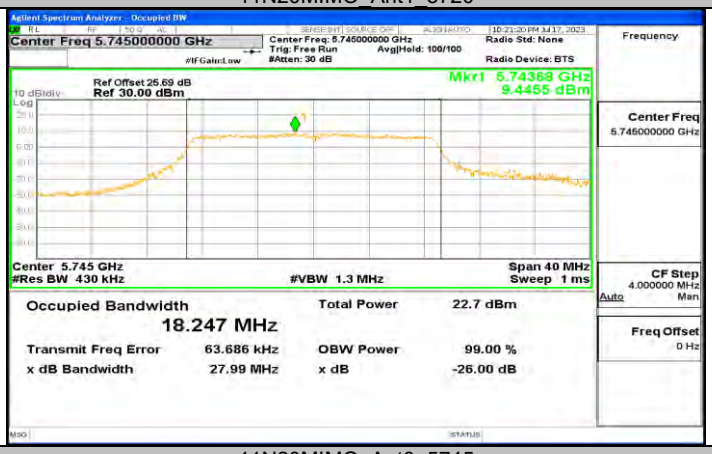

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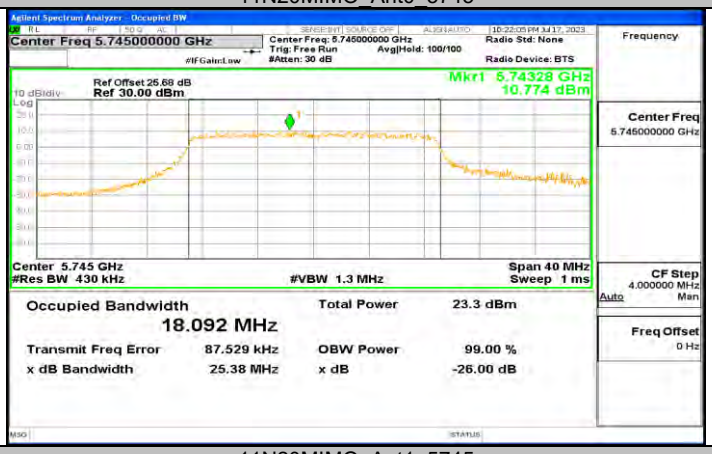

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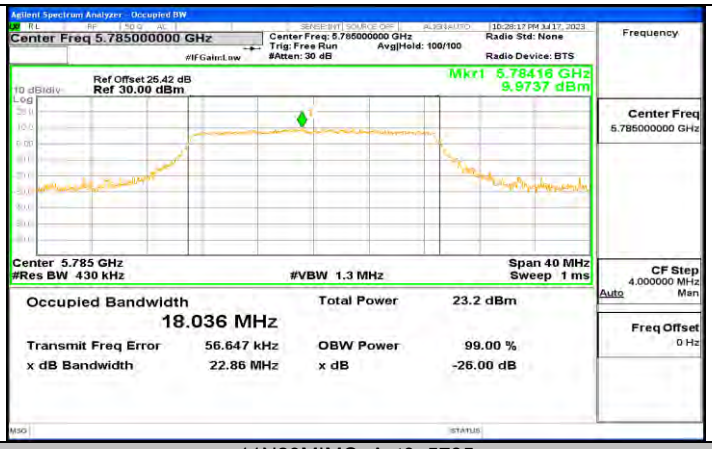

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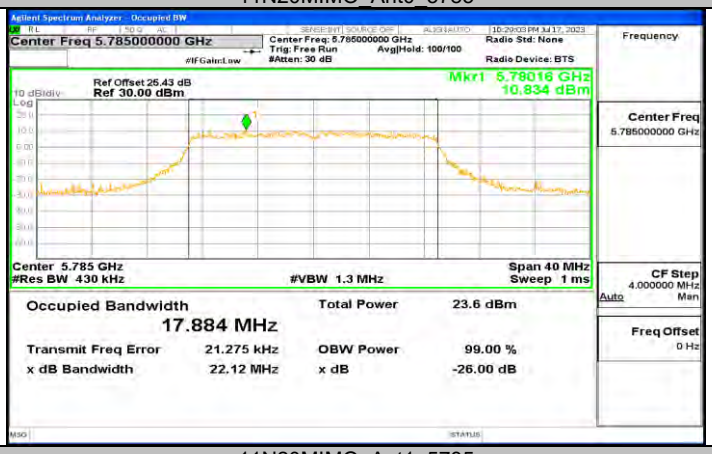

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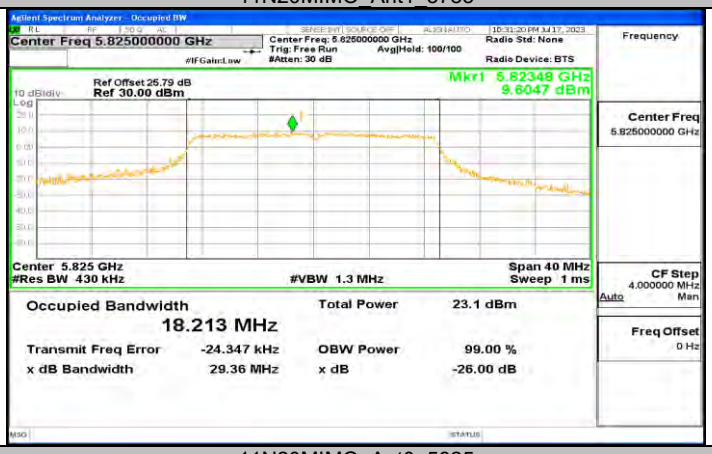

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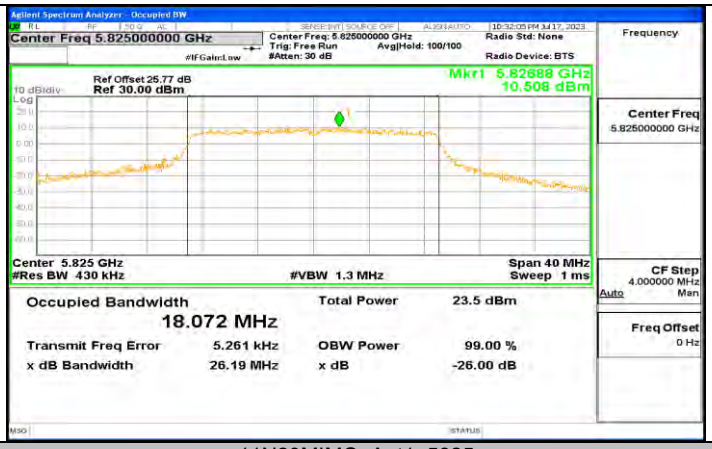

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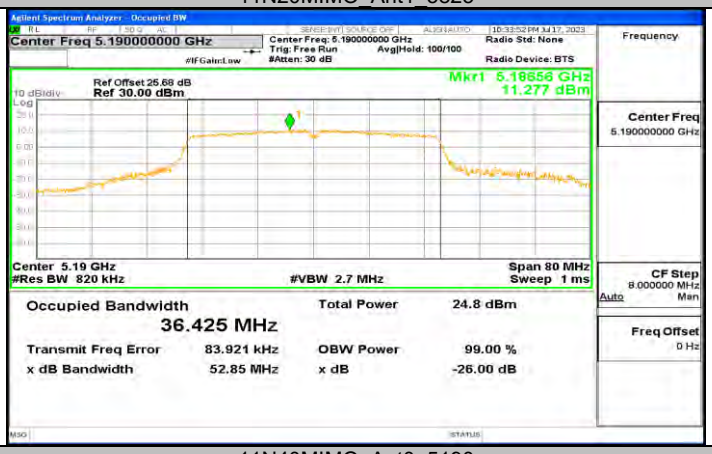

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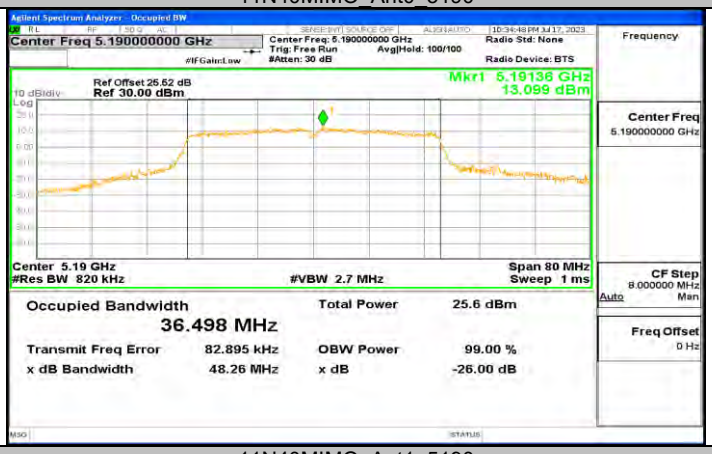

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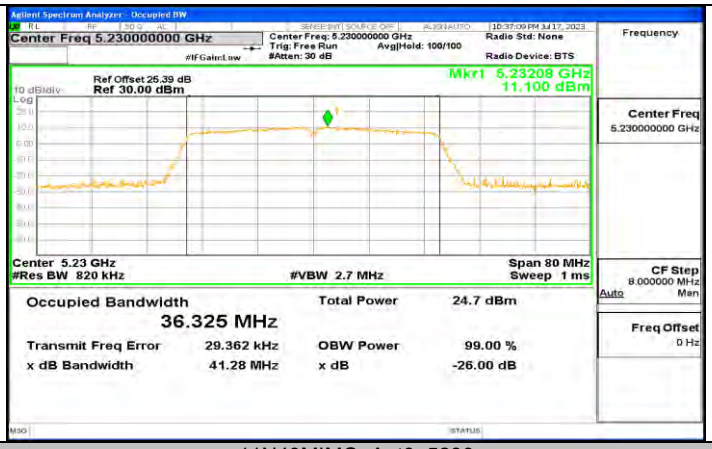

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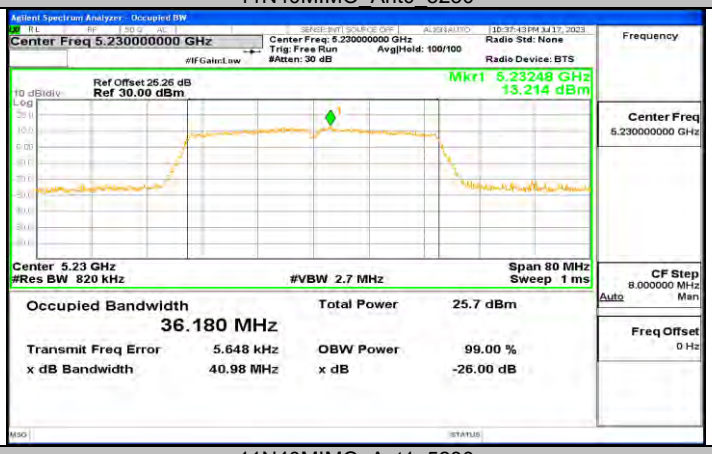

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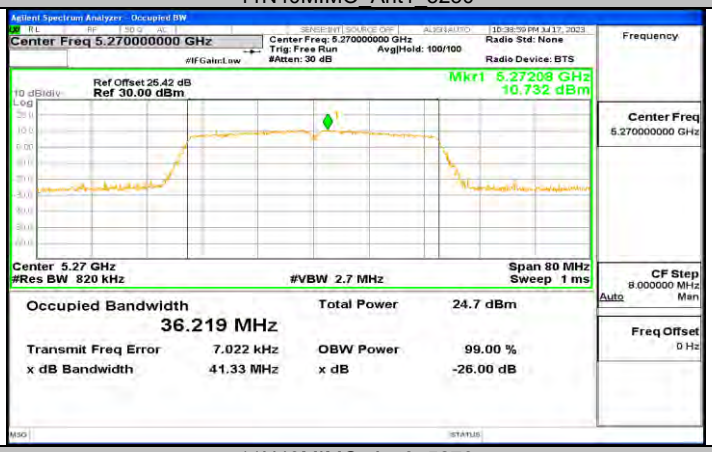

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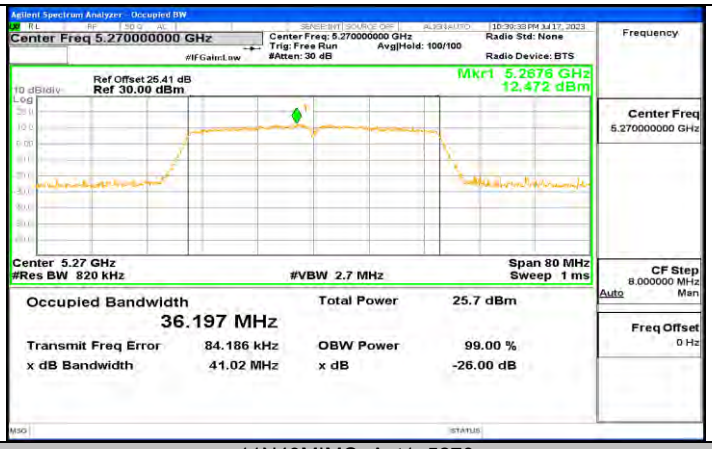

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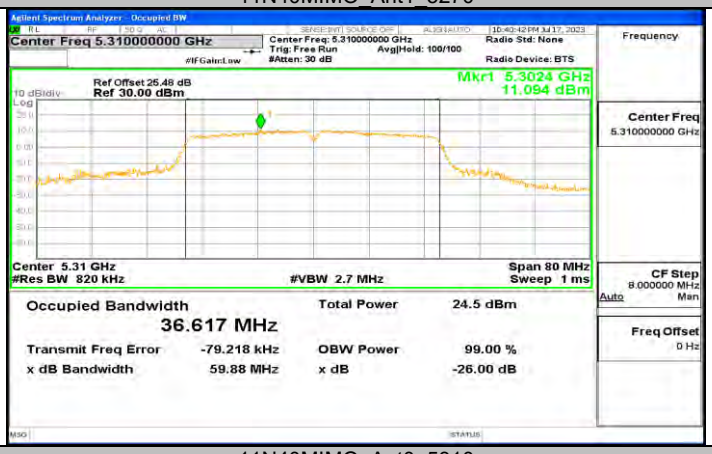

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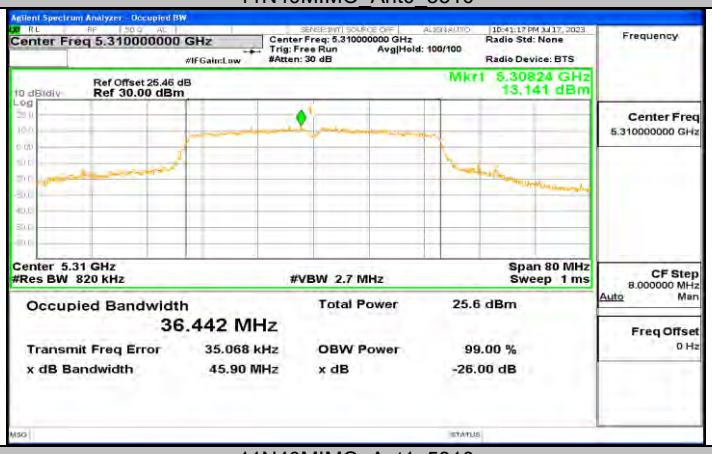

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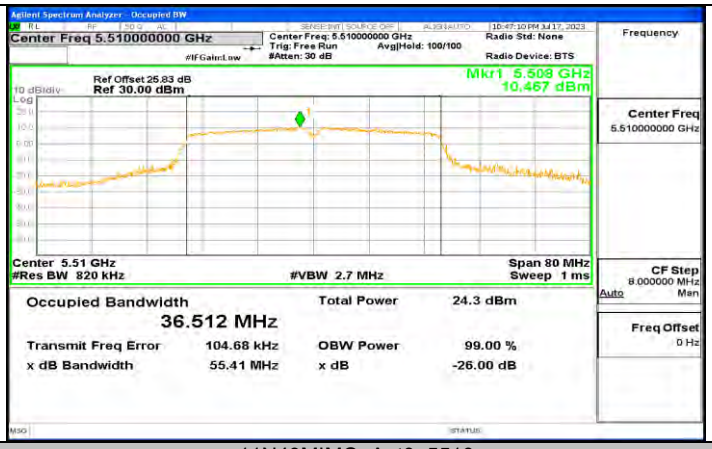

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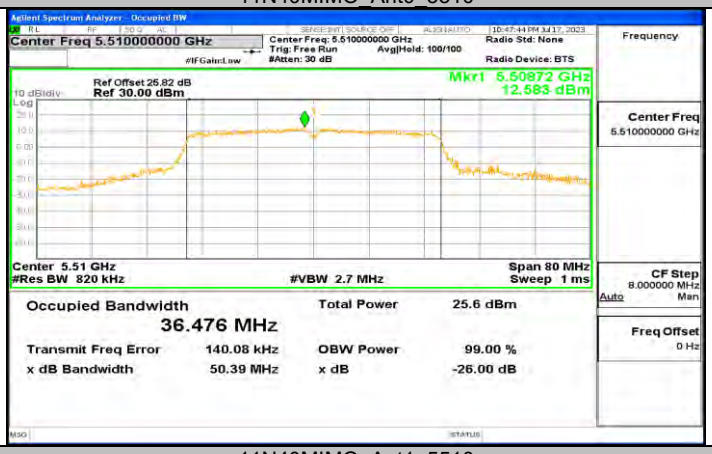

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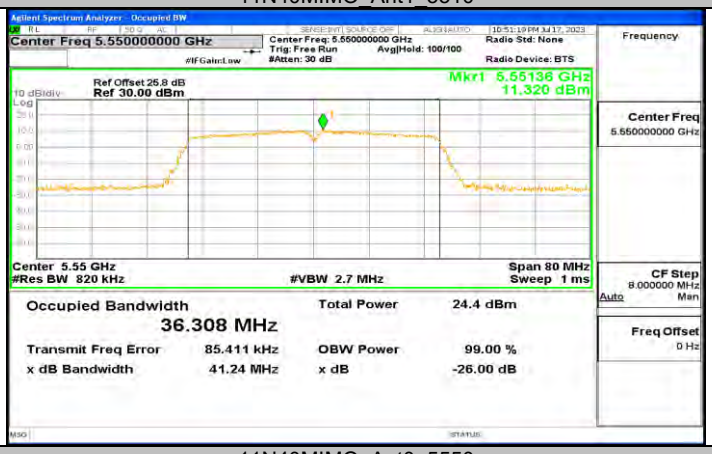

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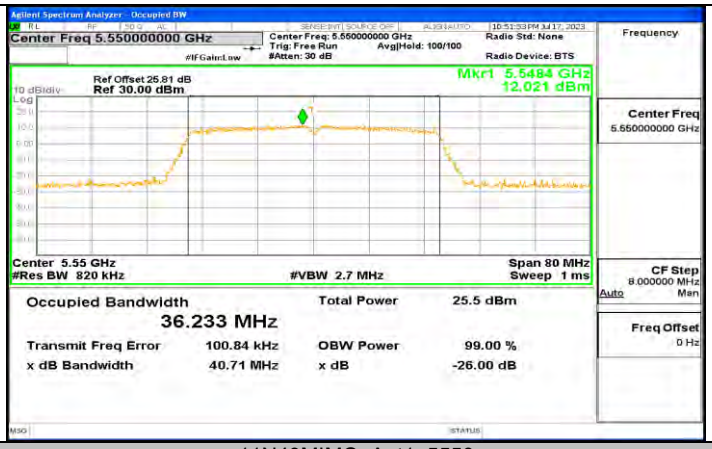

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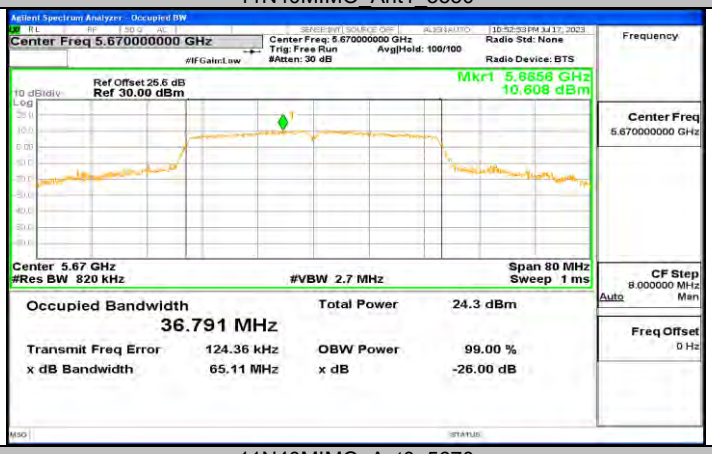

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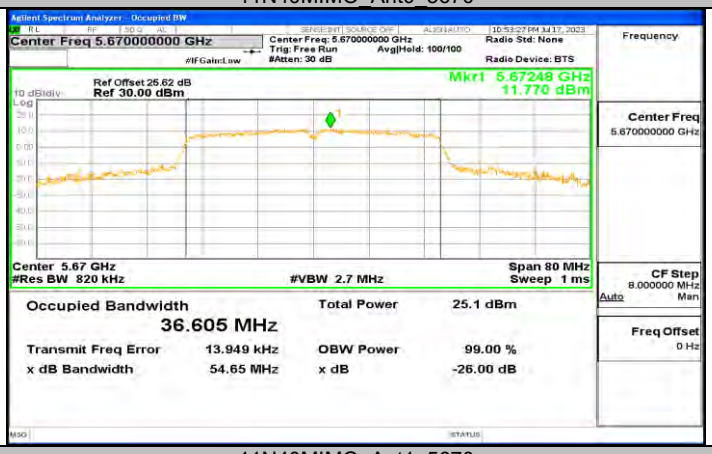

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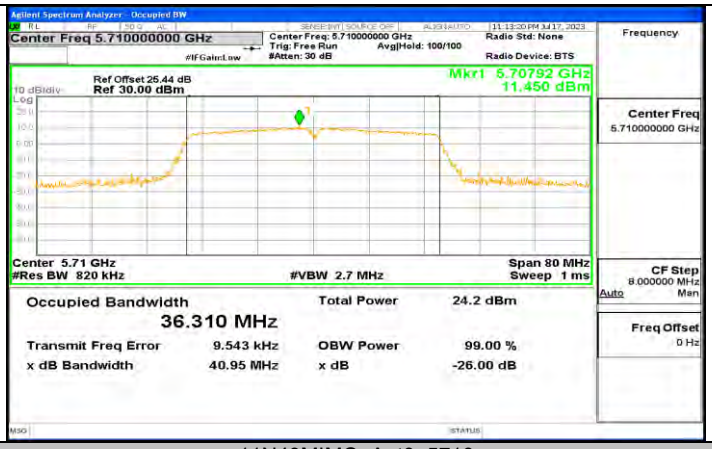

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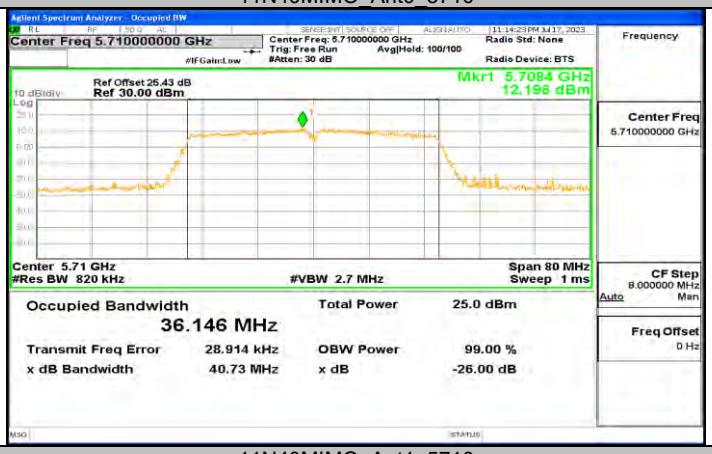

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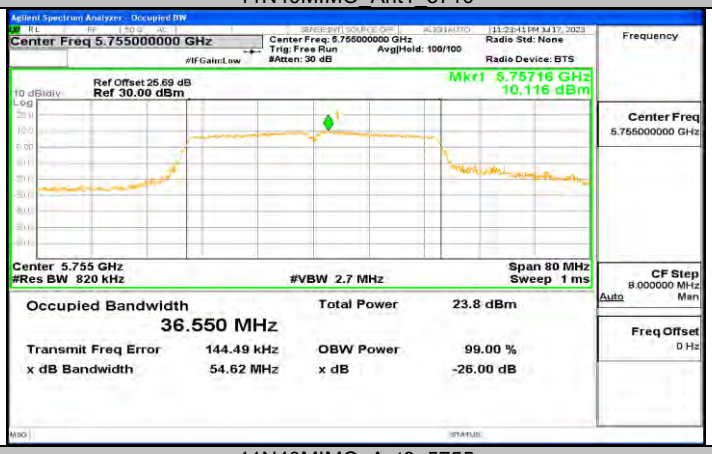

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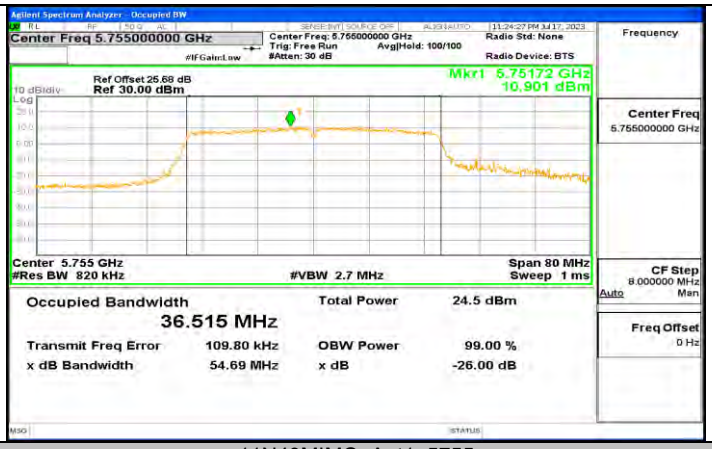

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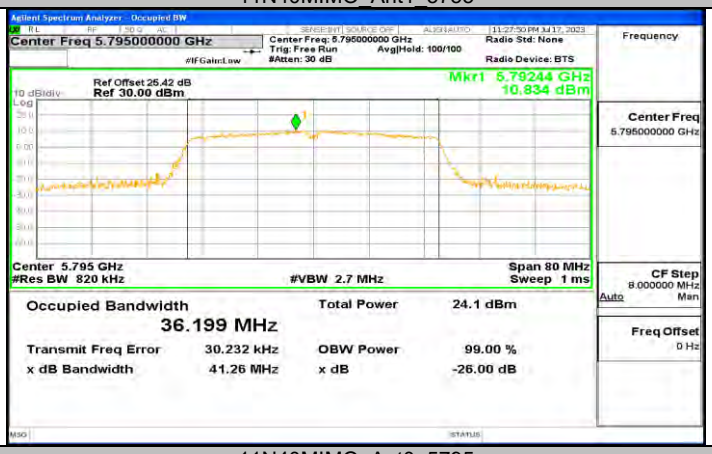

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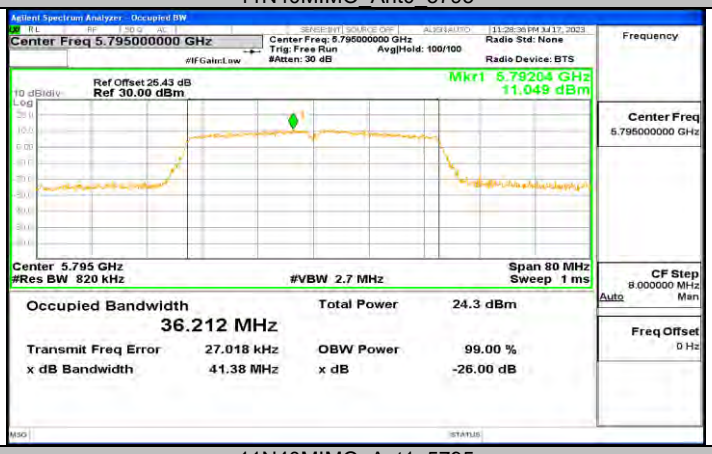

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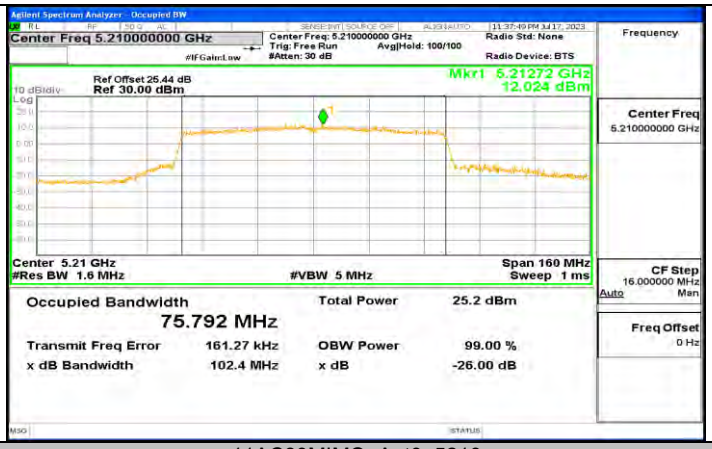

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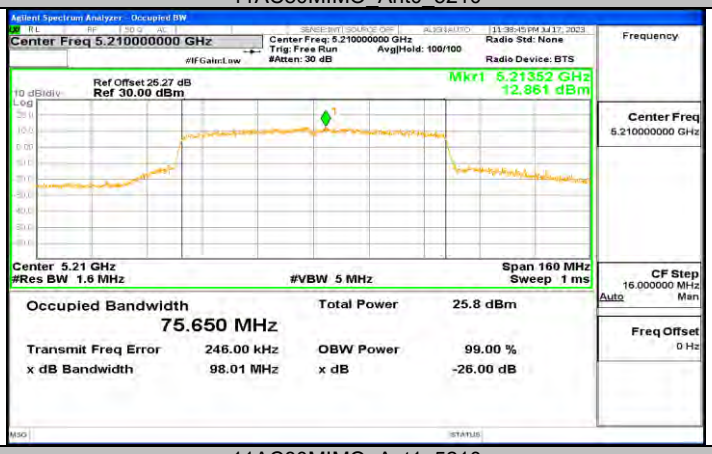

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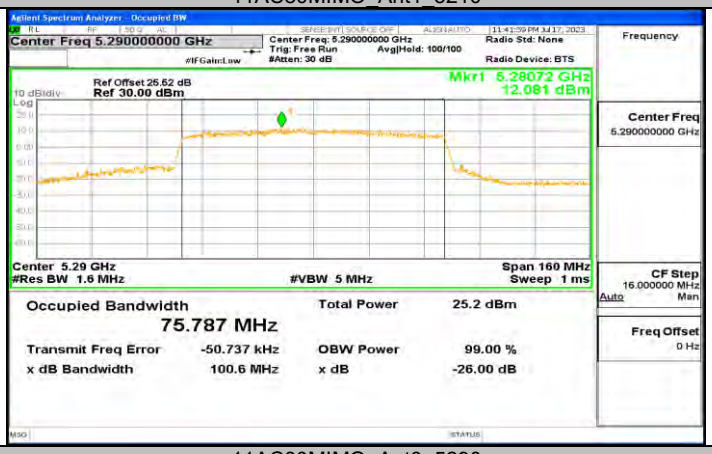

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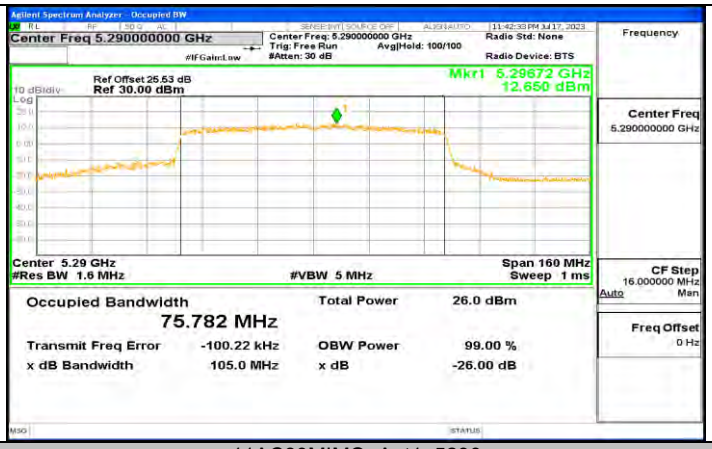

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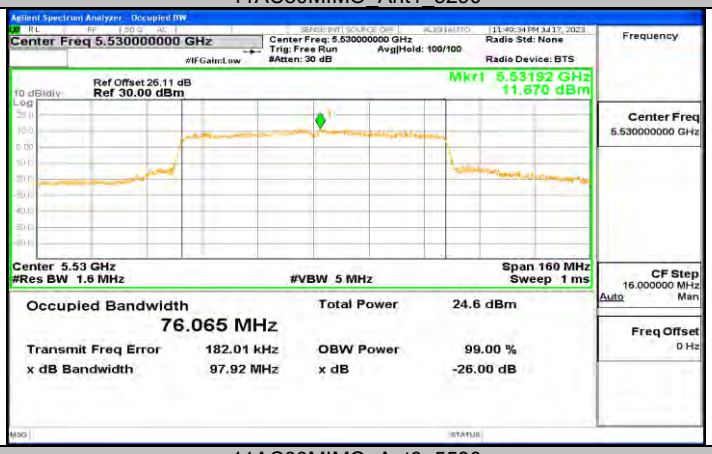

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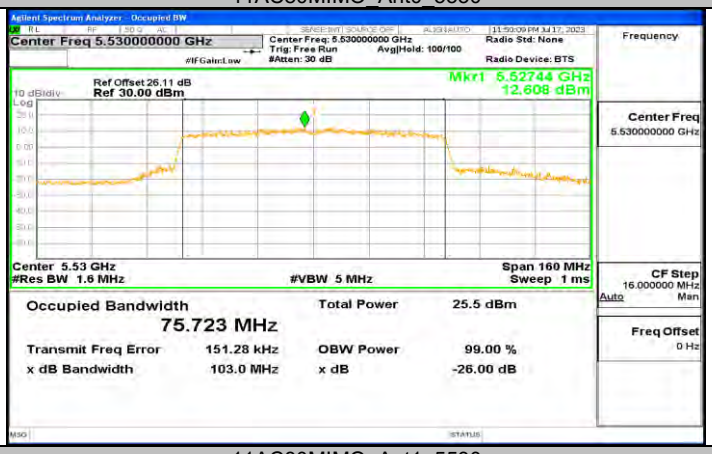

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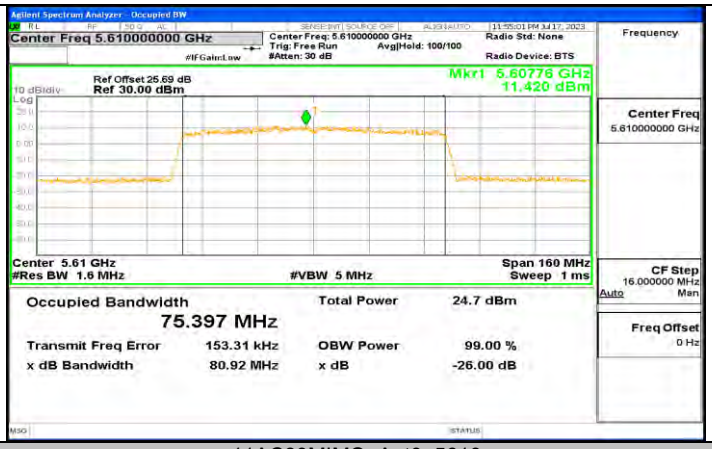

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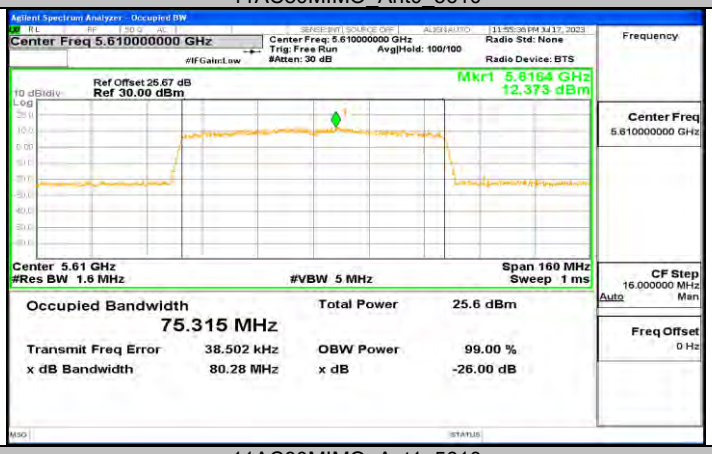

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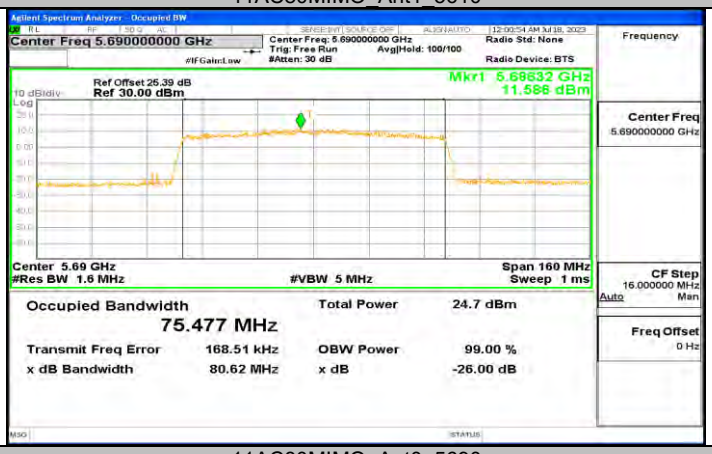

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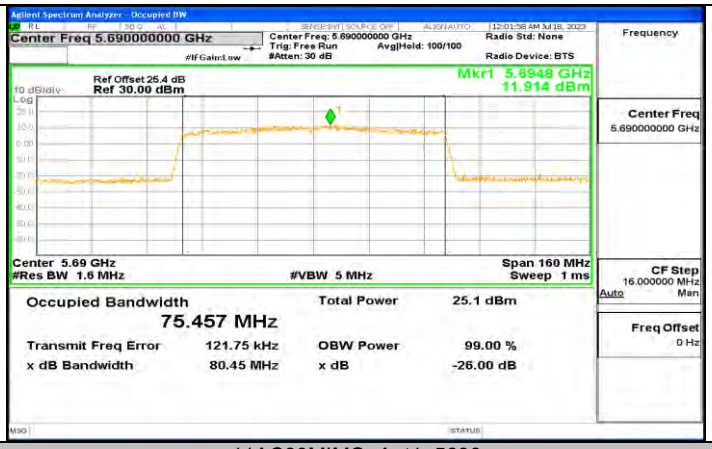

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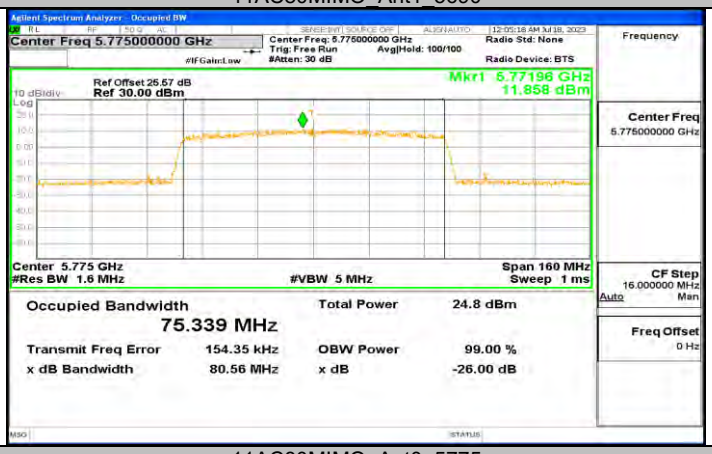

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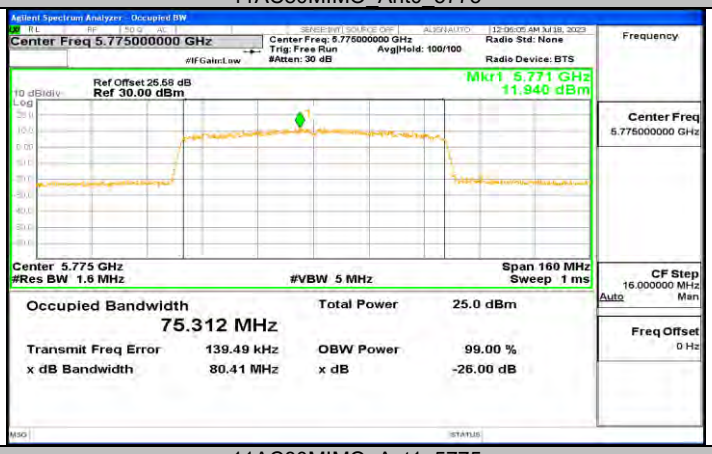

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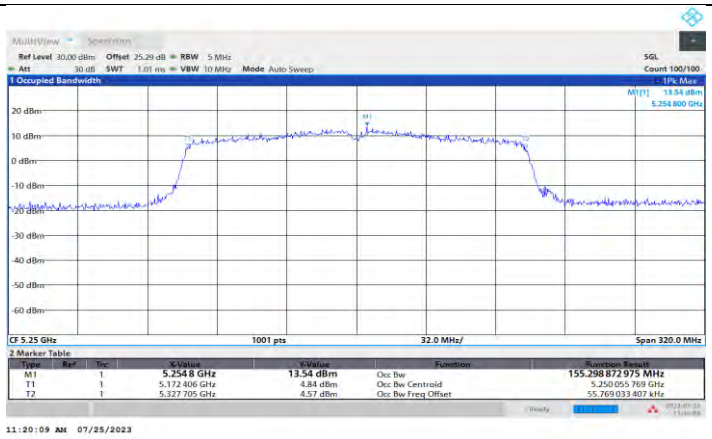

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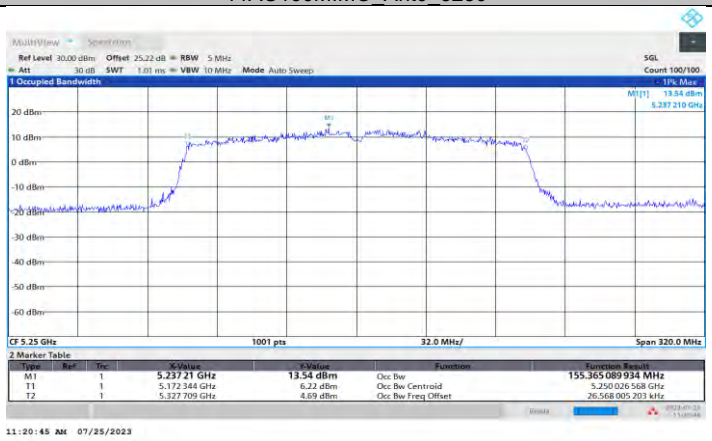

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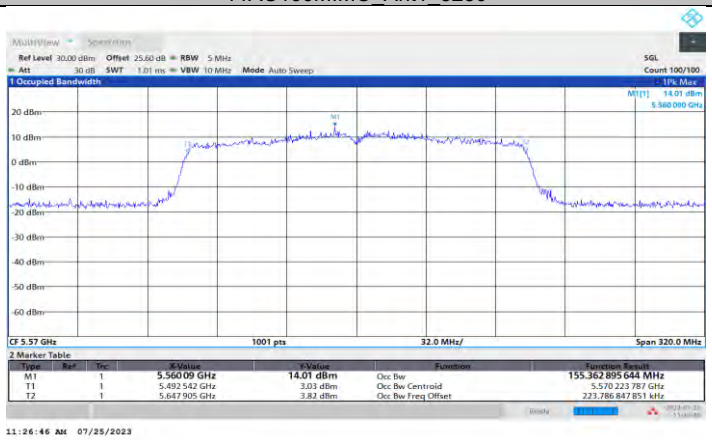

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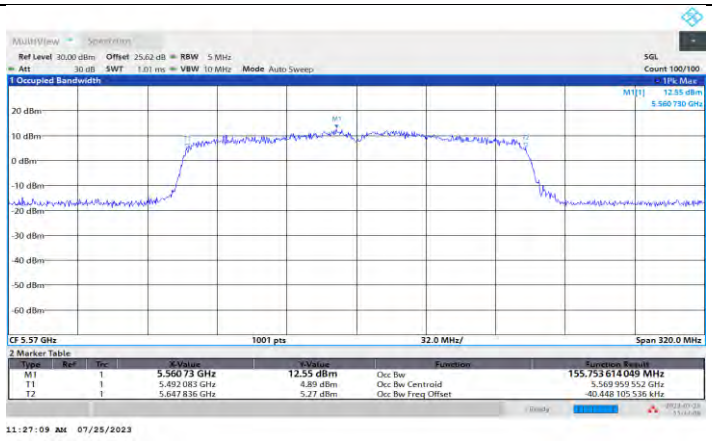

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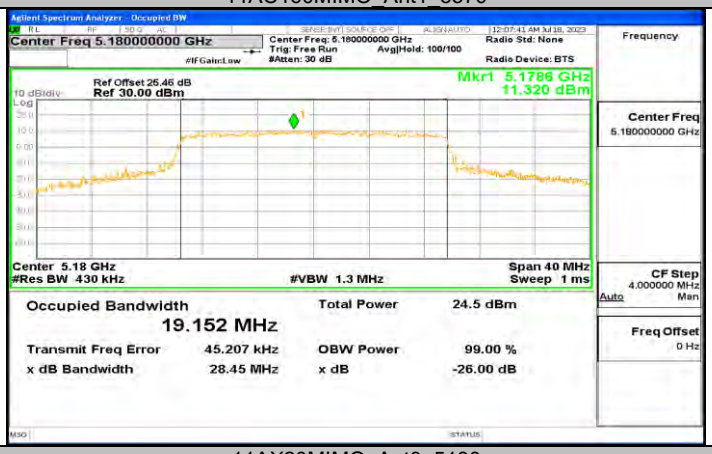

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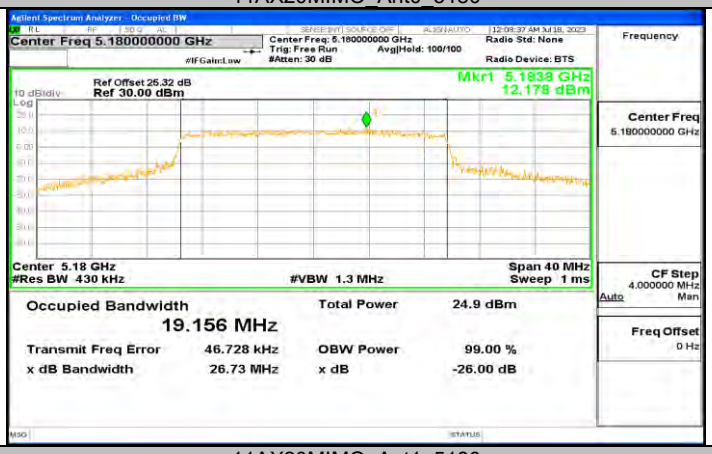

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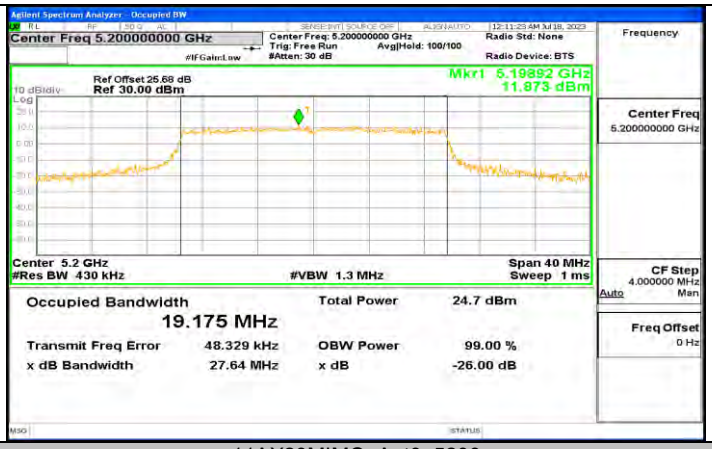

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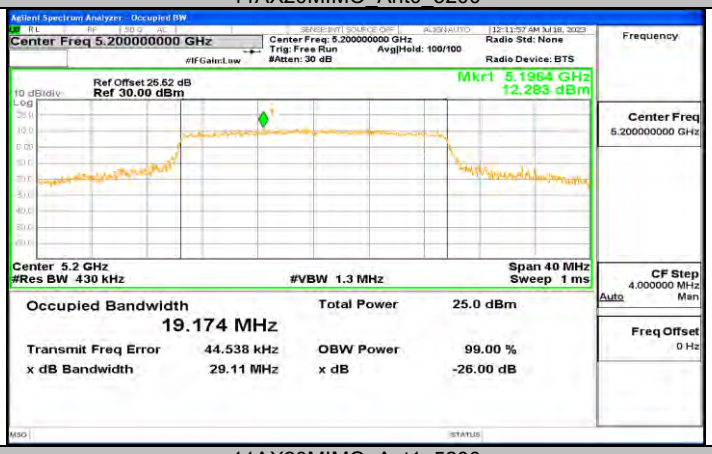

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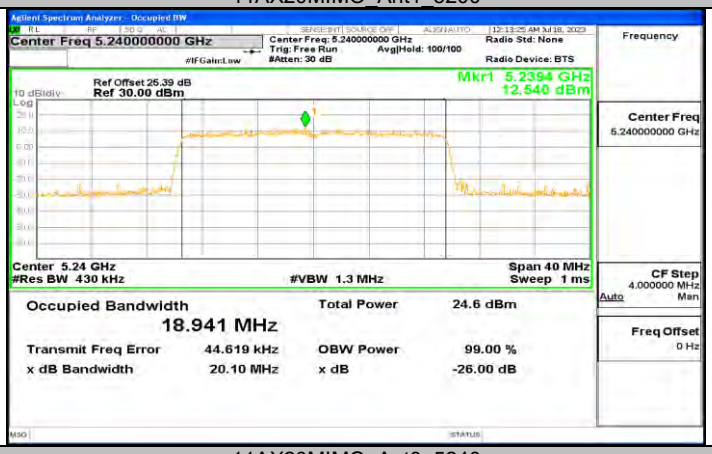

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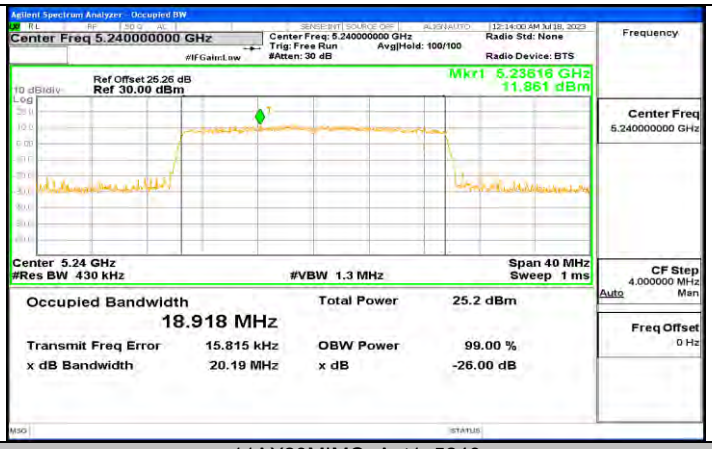

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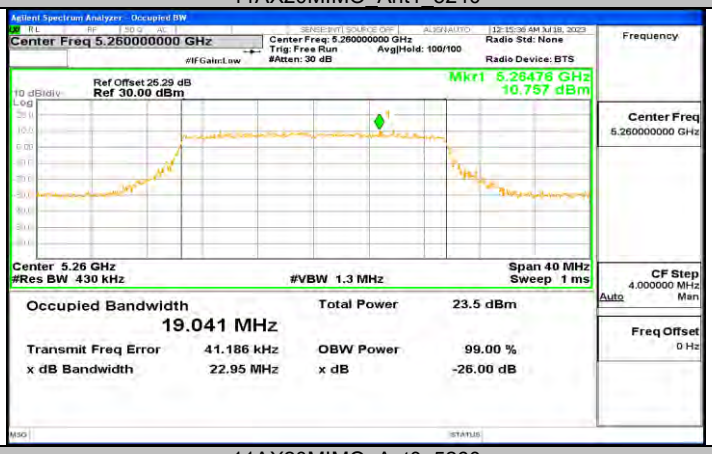

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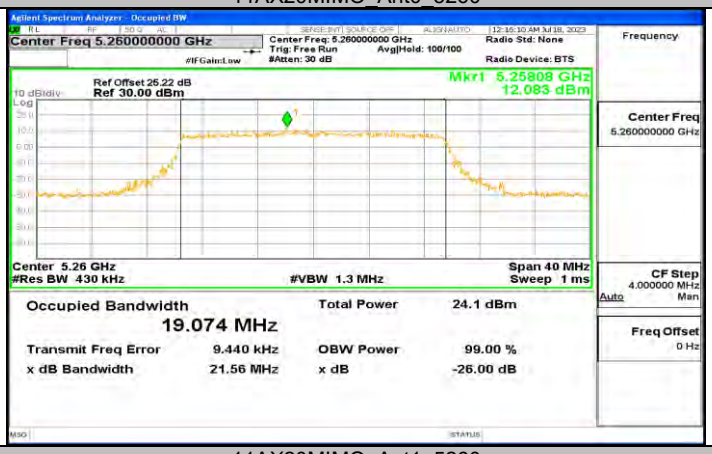

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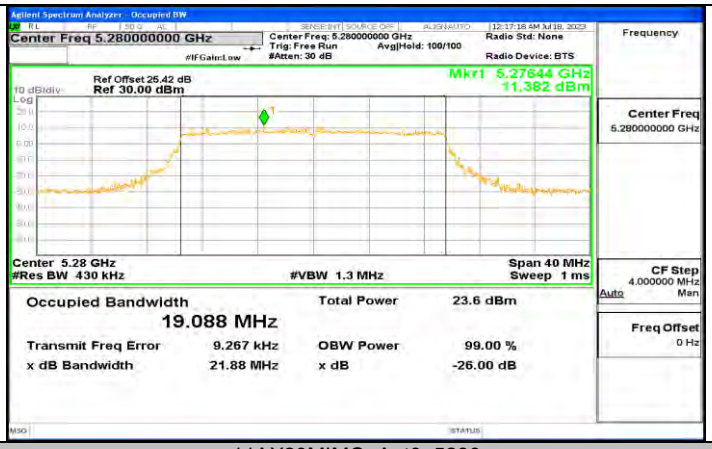

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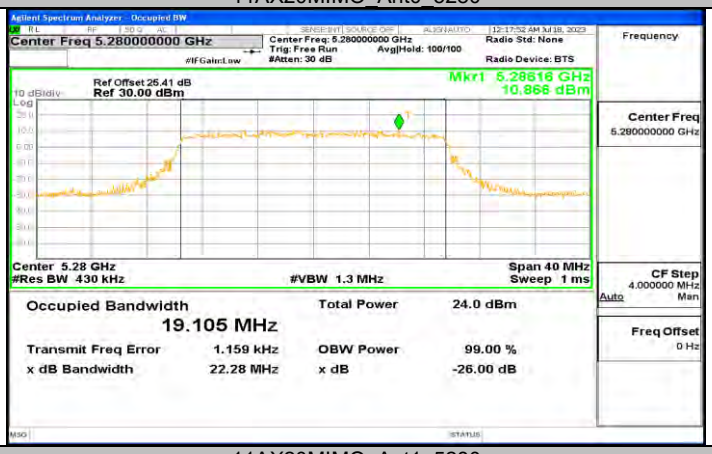

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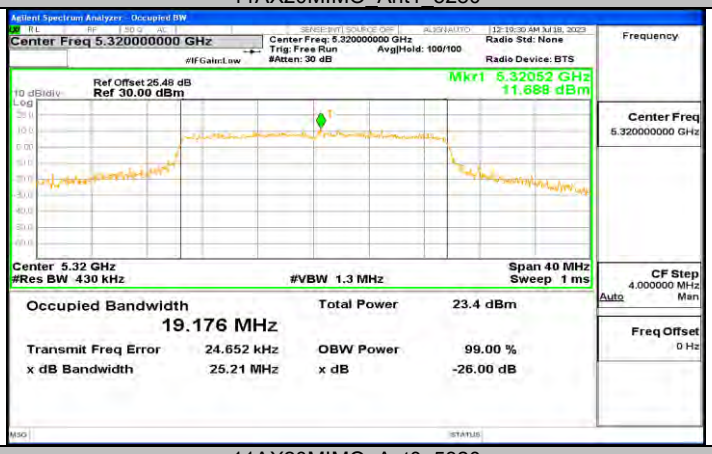

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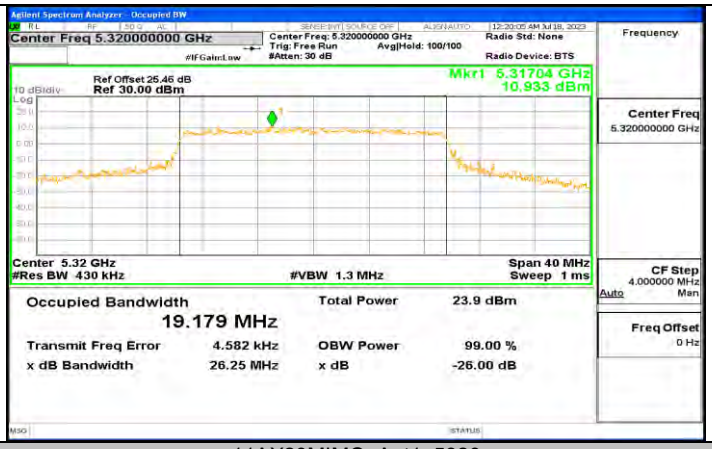

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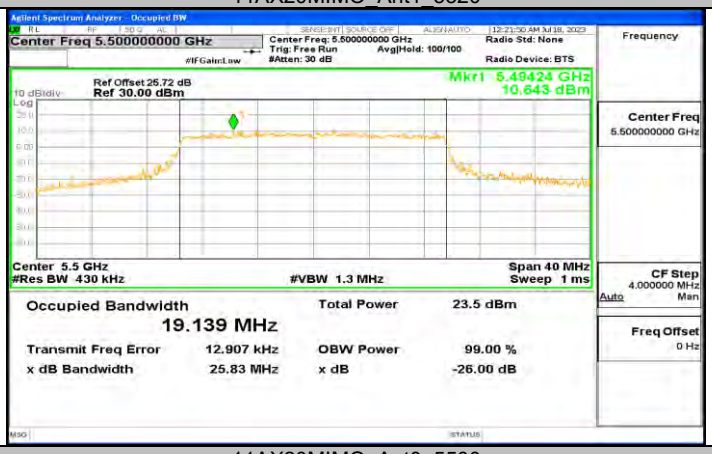

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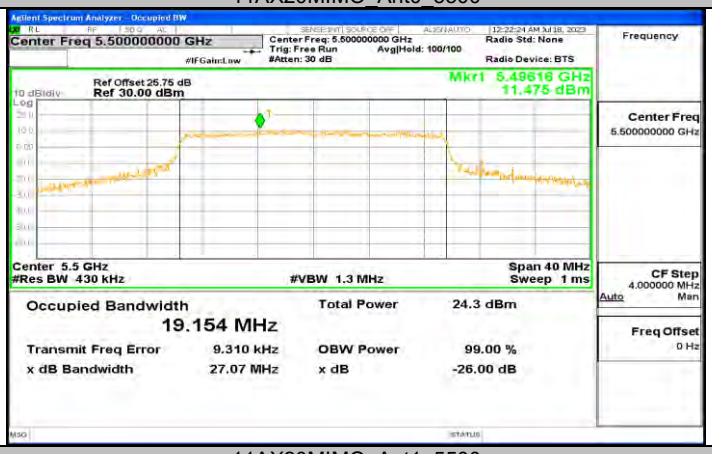

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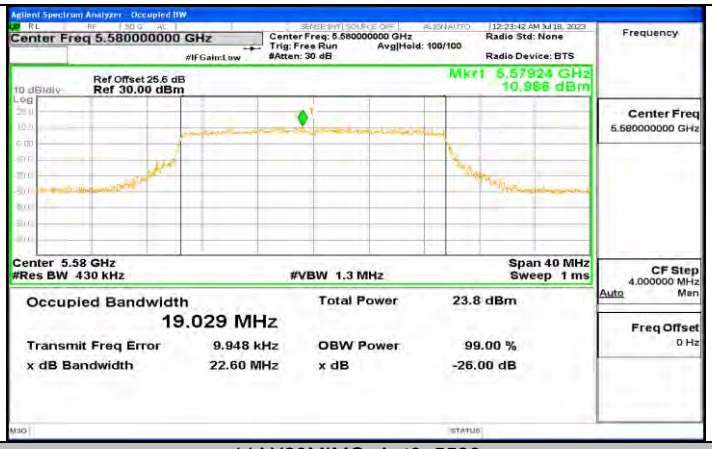

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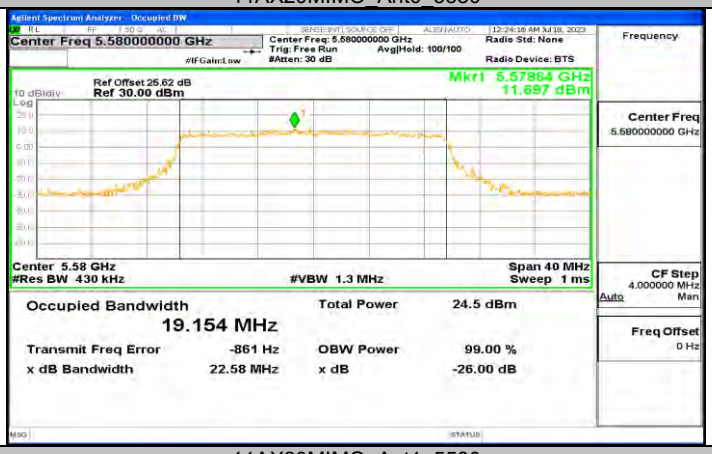

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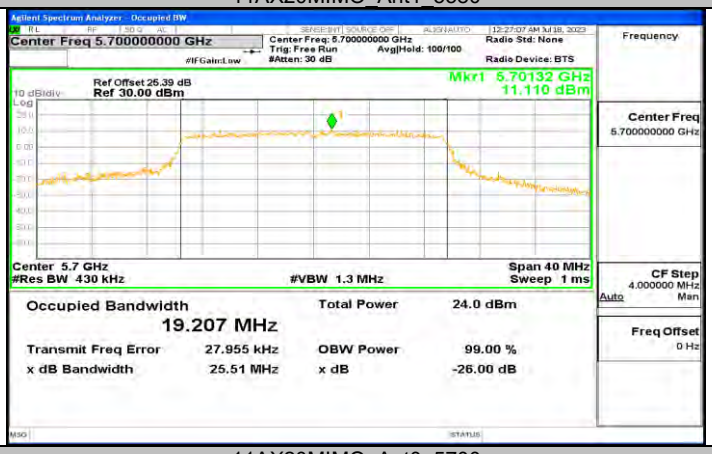

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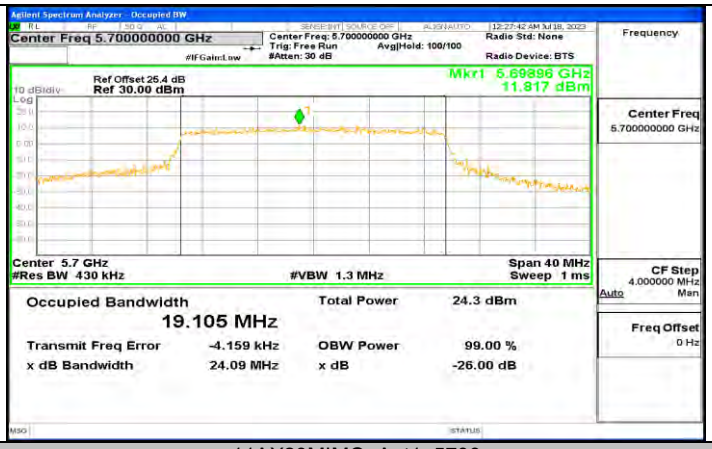

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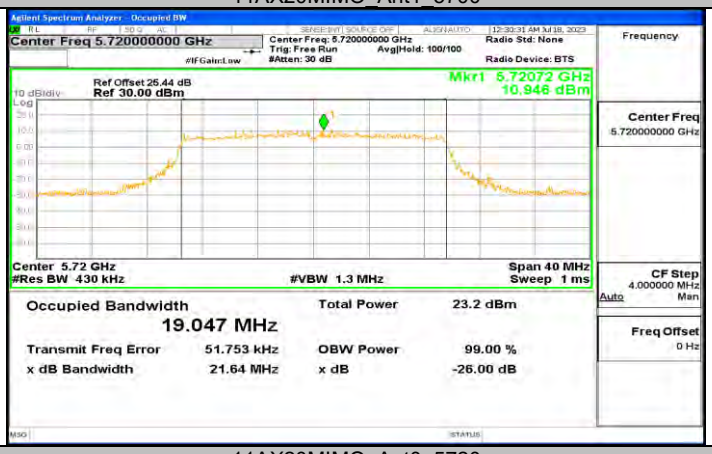

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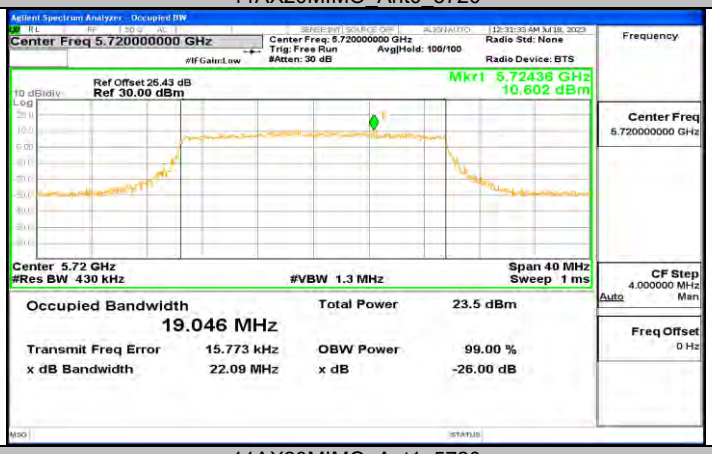

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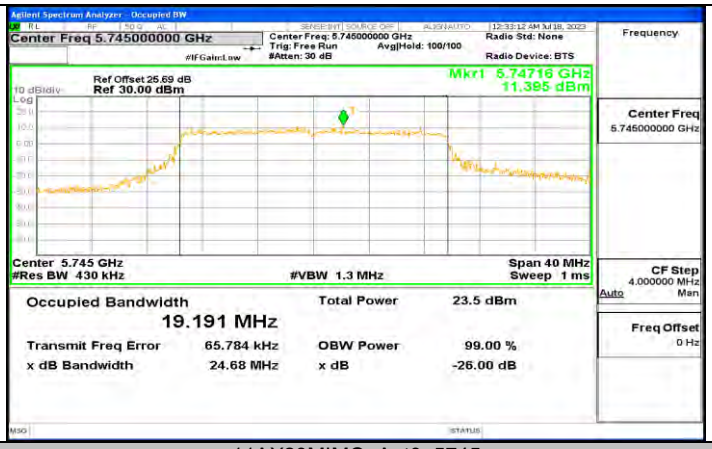

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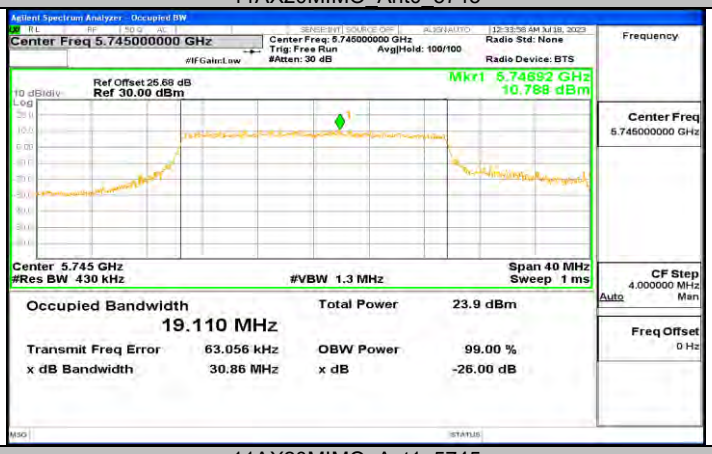

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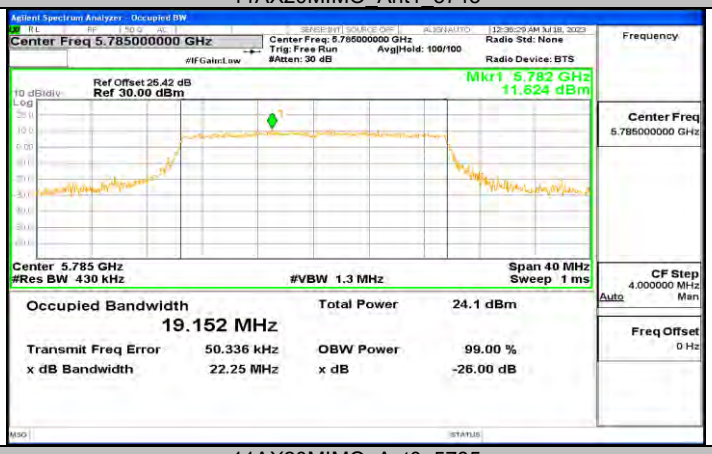

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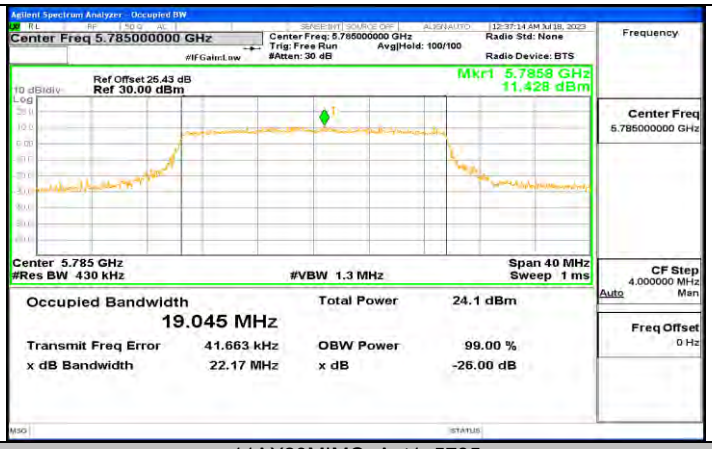

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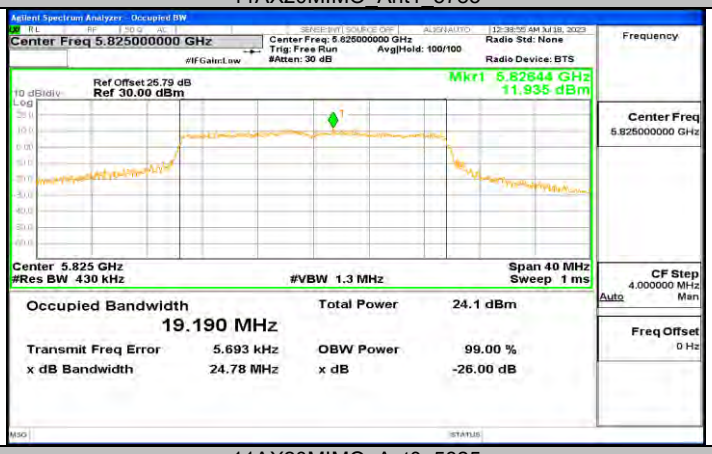

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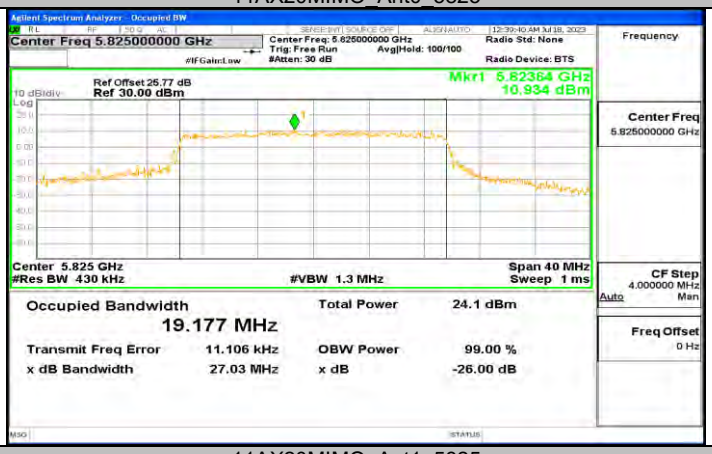

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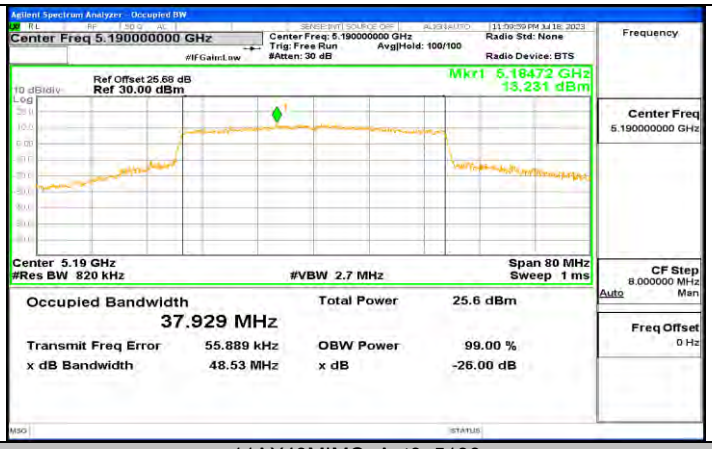

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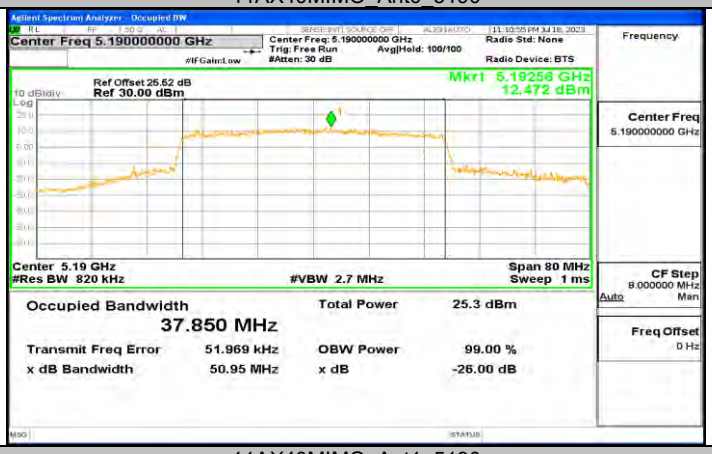

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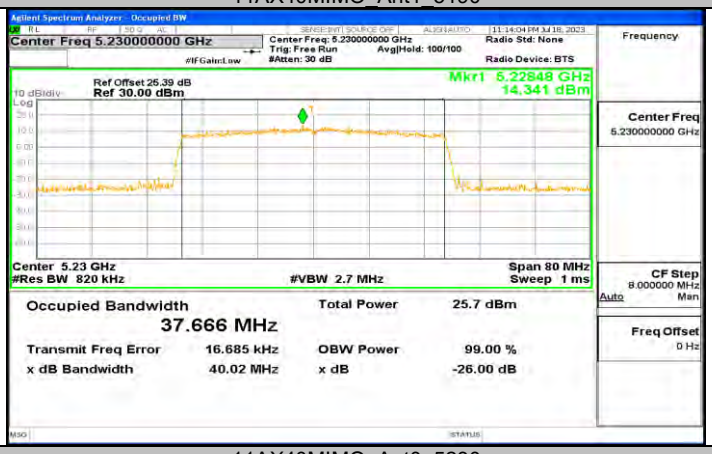

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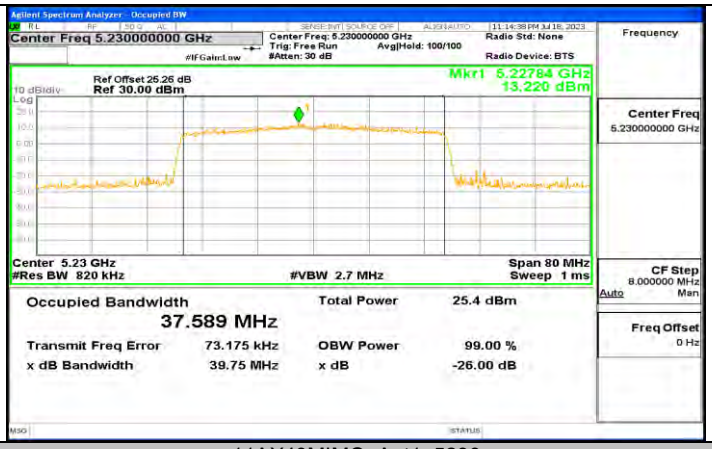

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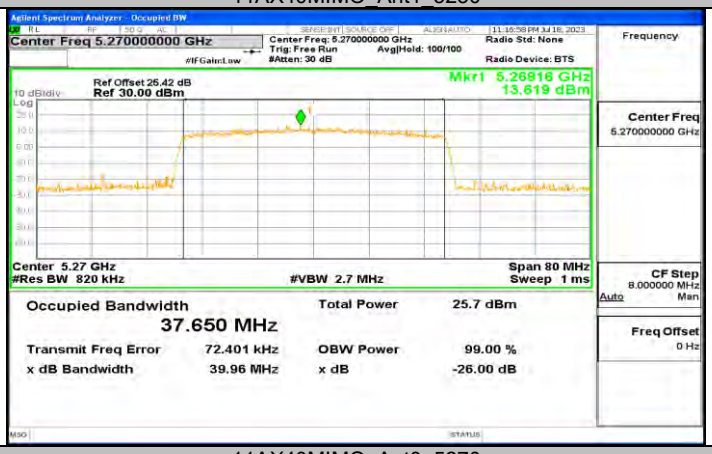

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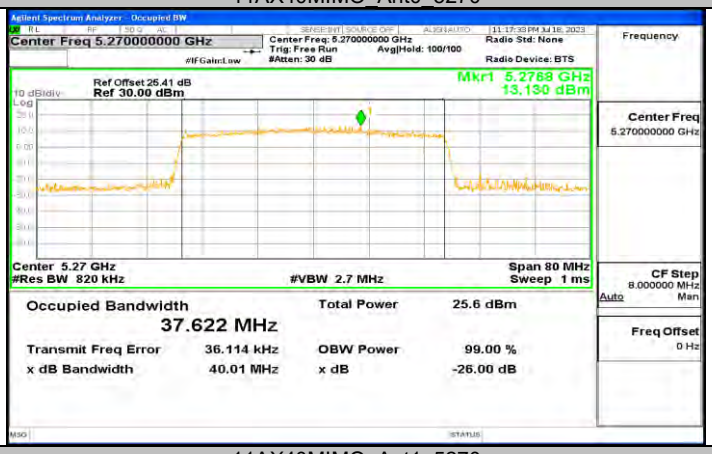

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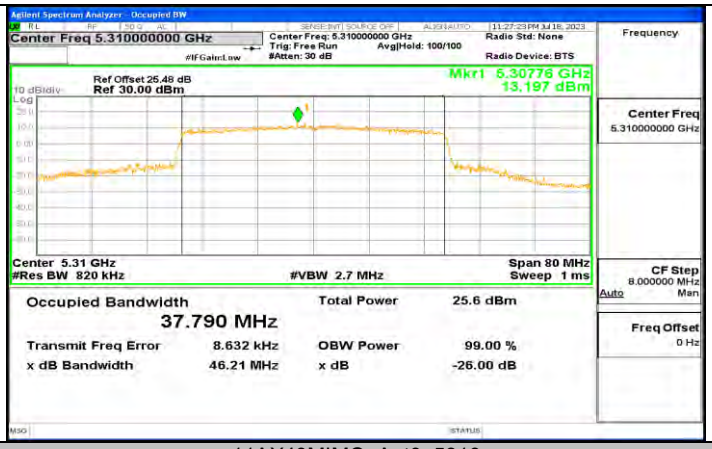

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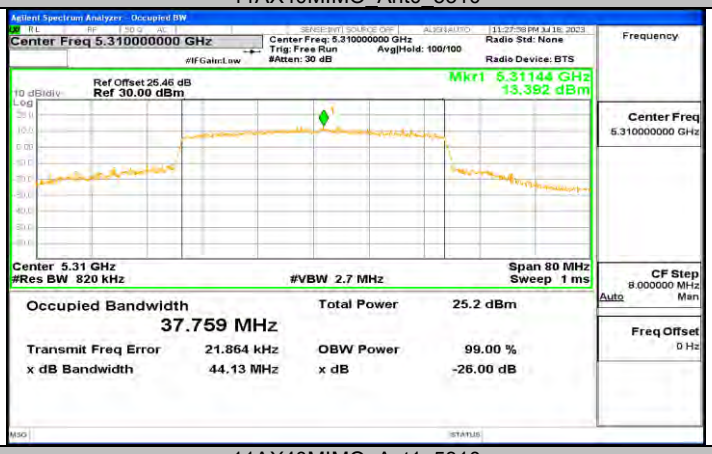

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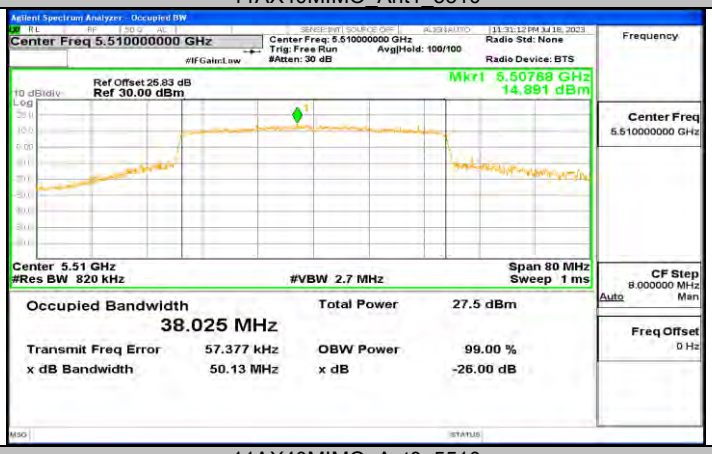

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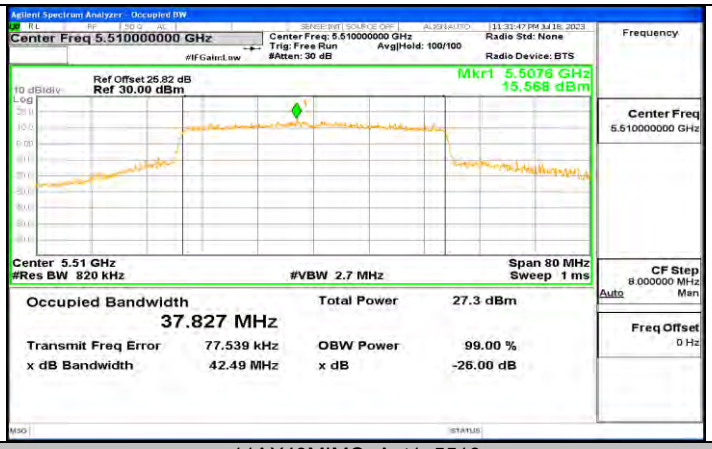

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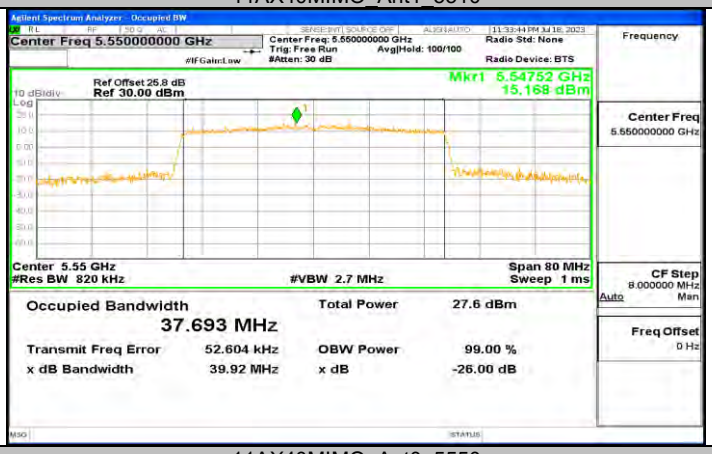

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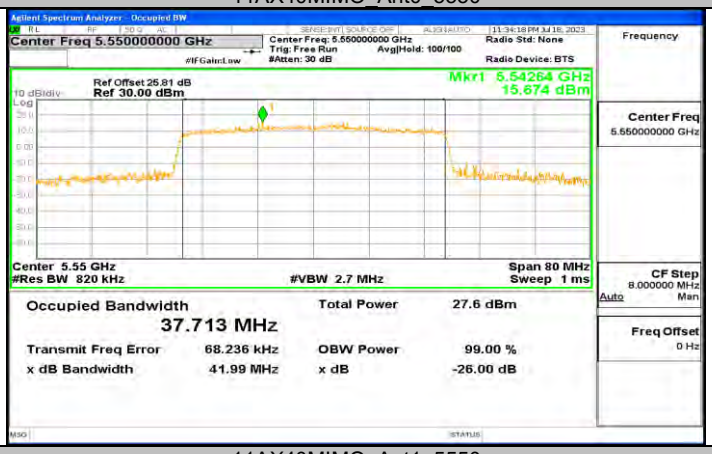

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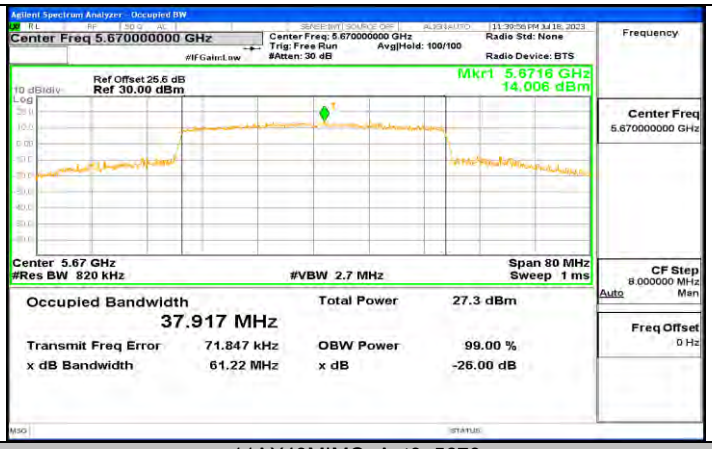

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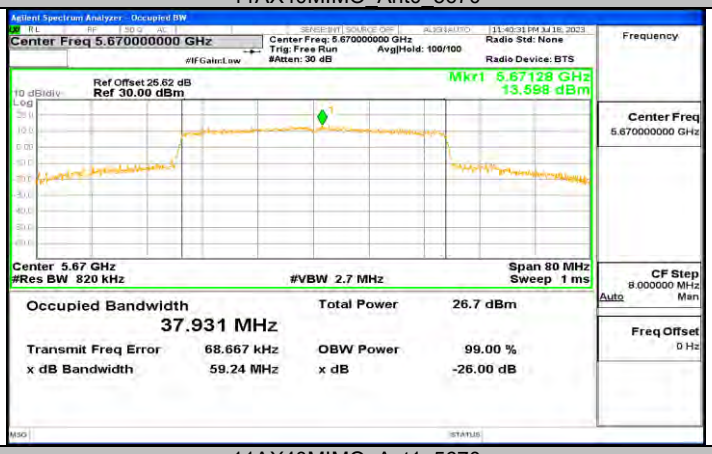

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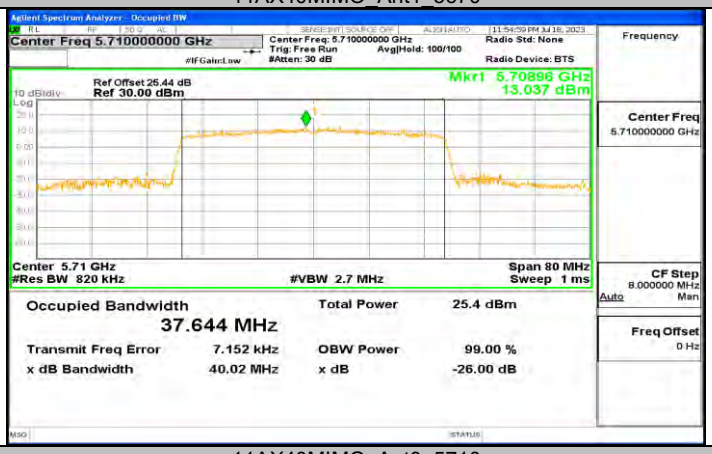

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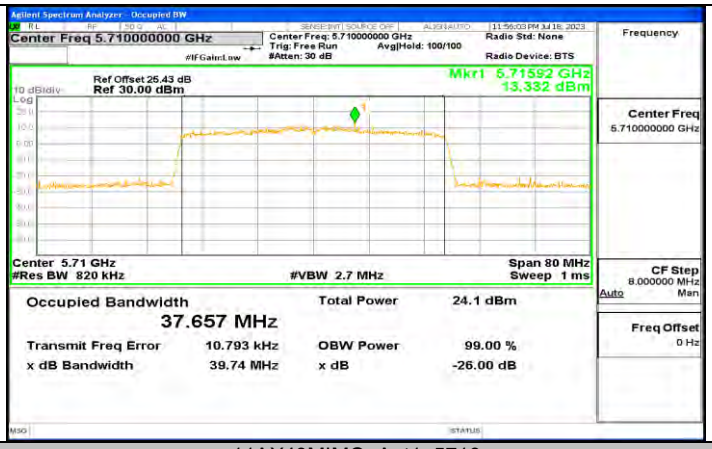

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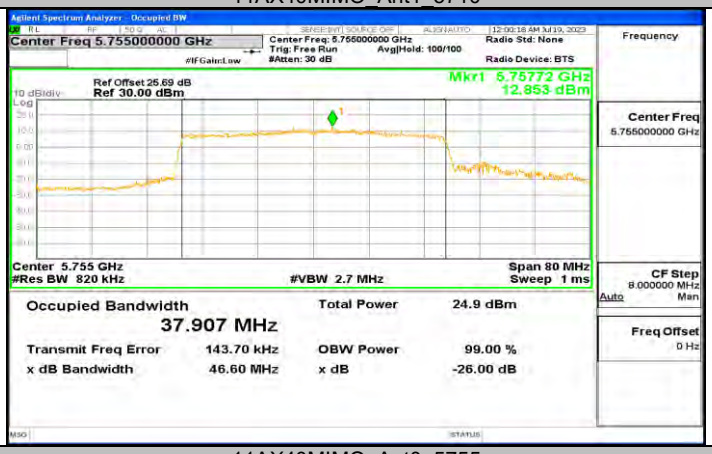

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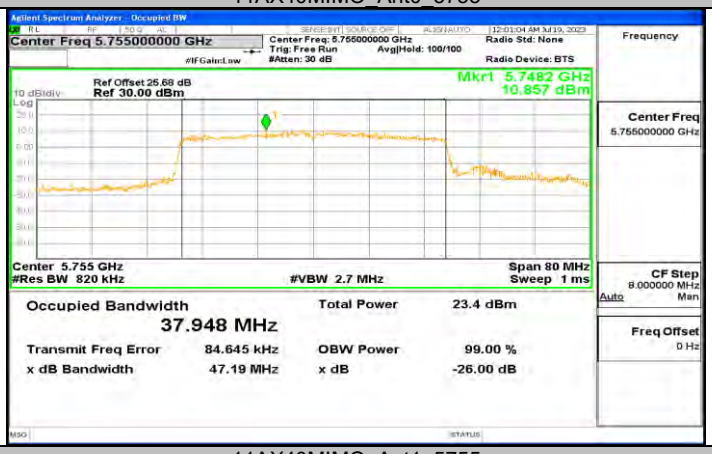

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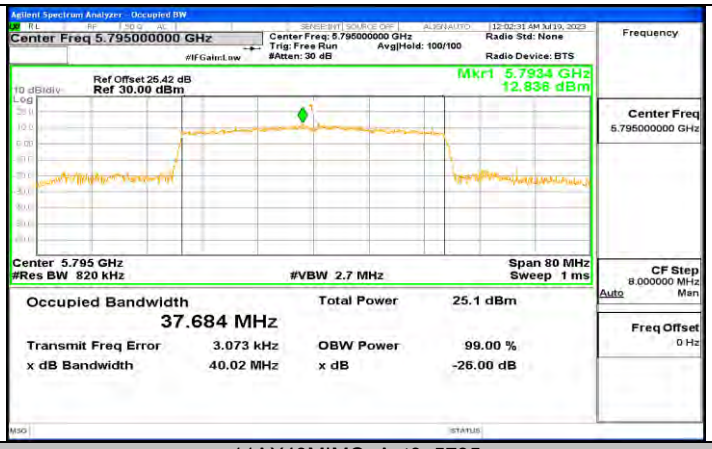

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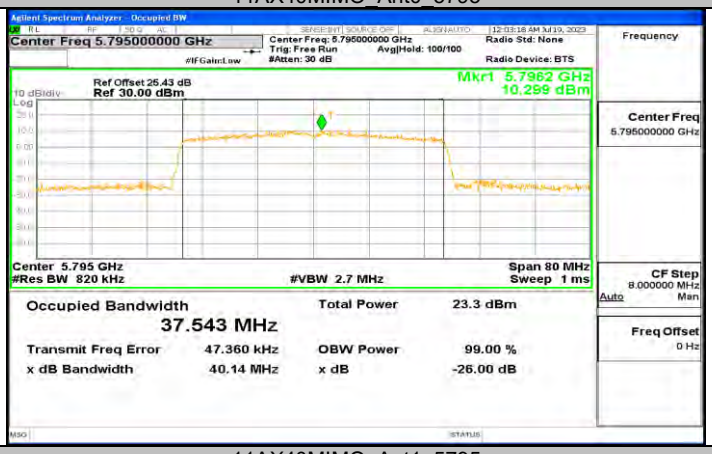

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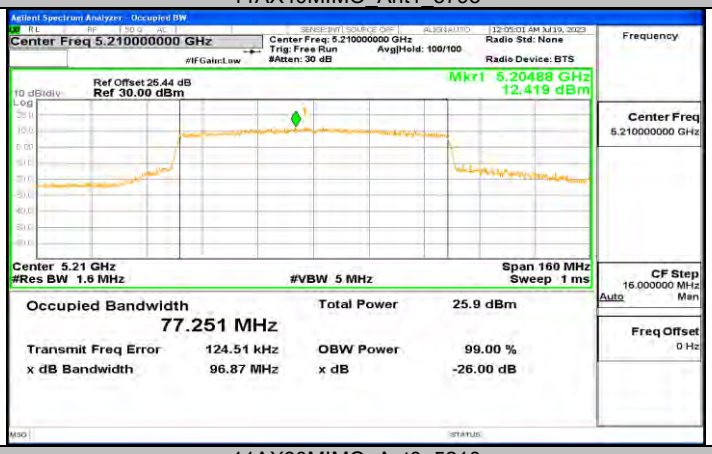

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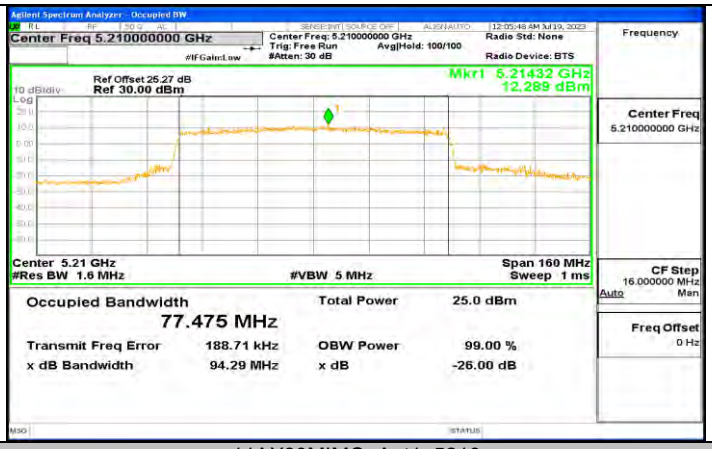

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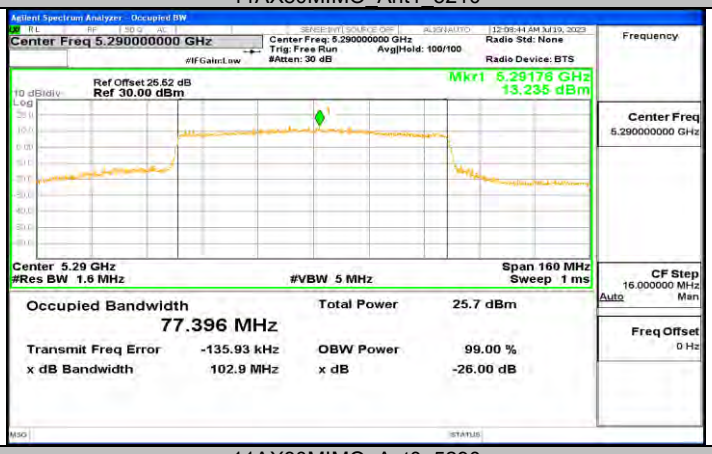

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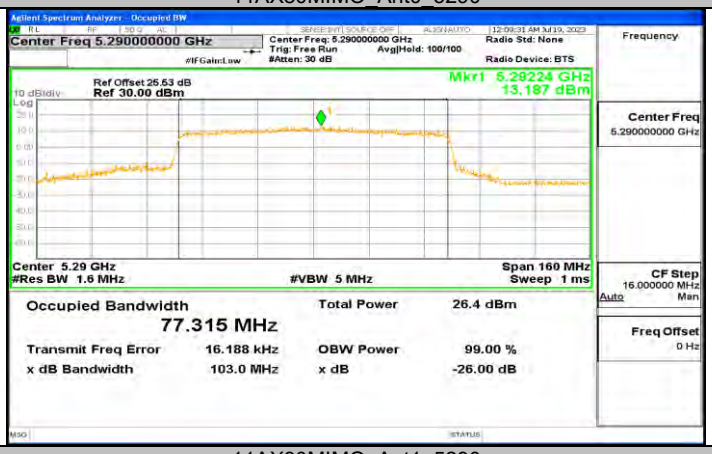

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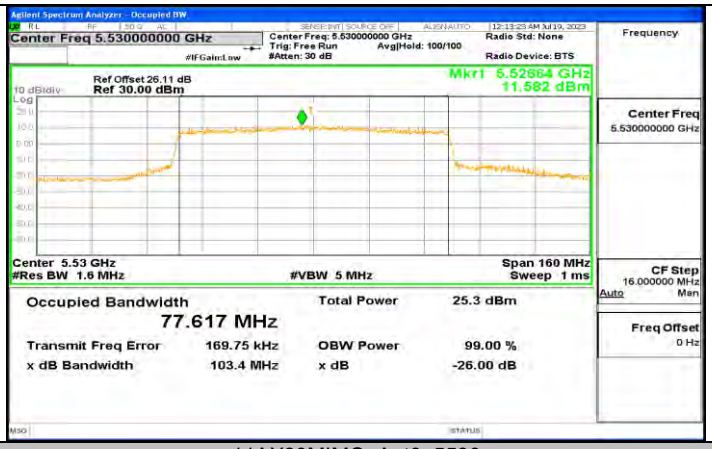

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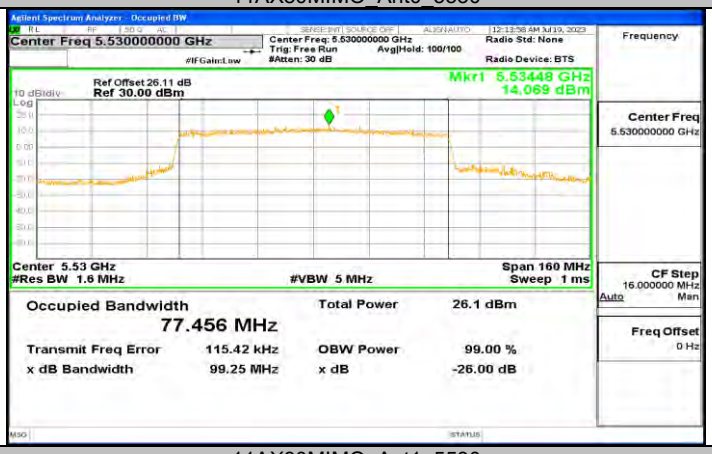

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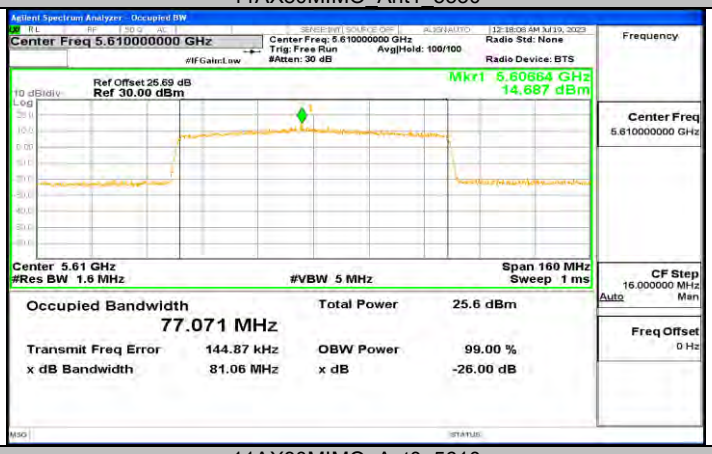

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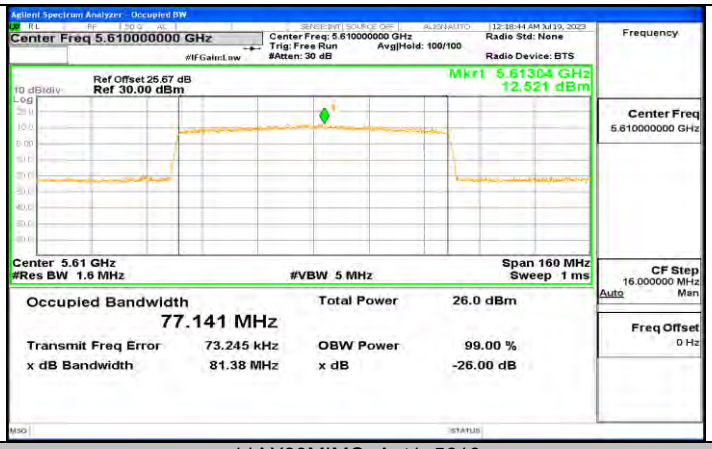

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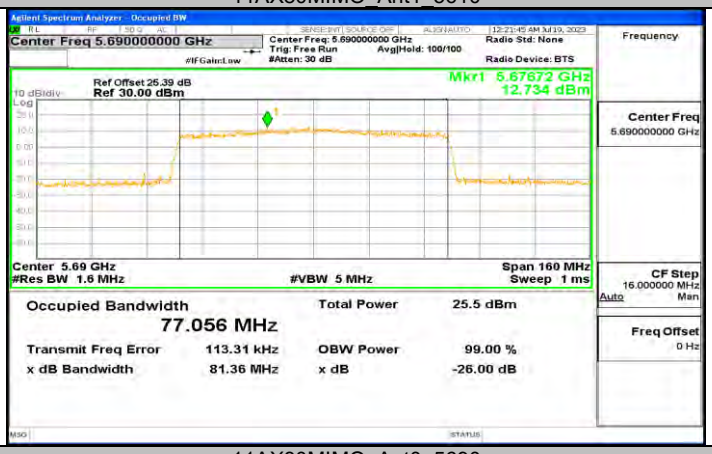

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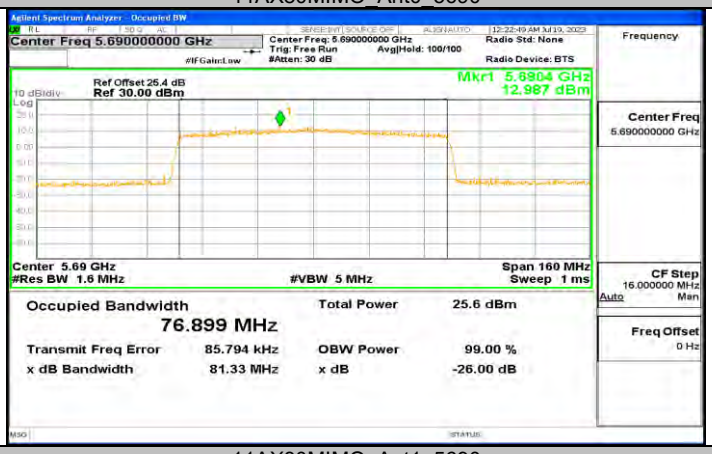

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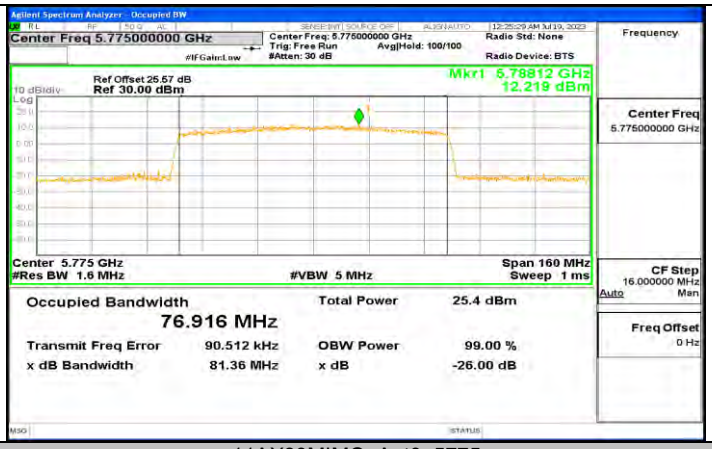

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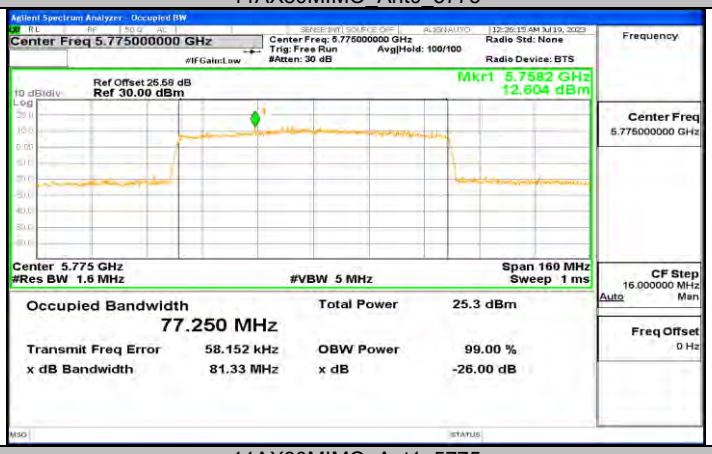

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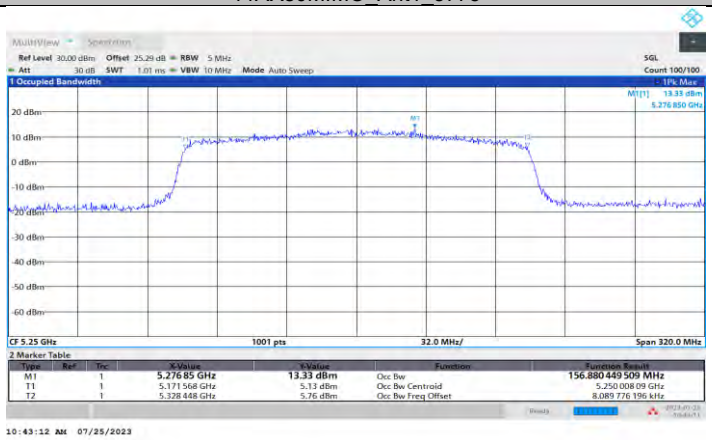

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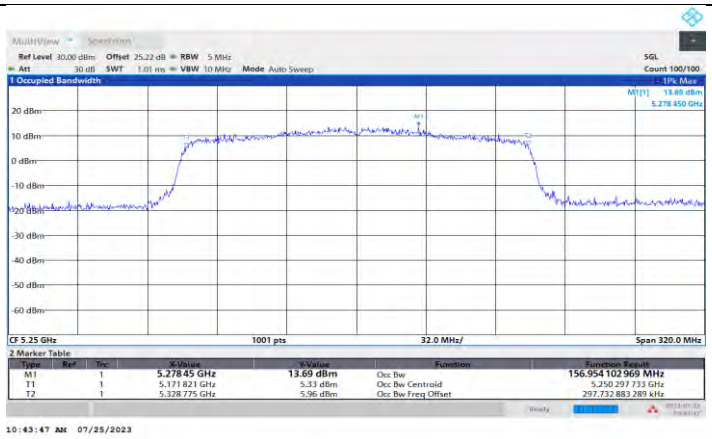

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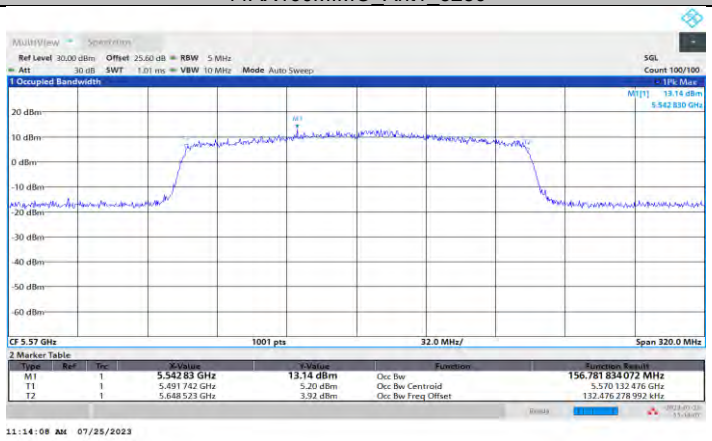

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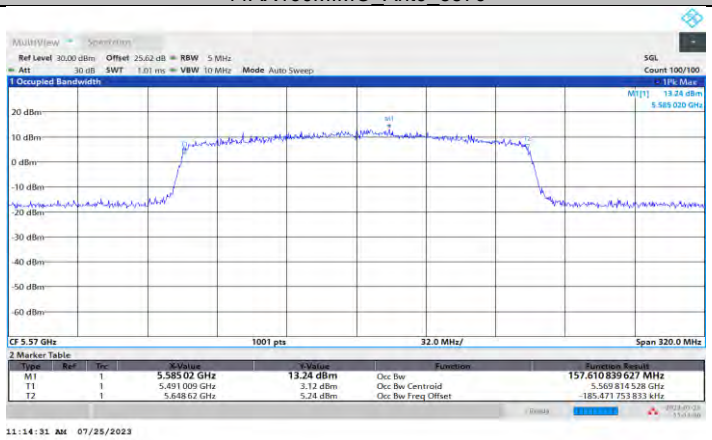

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11.3. APPENDIX A3: MIN EMISSION BANDWIDTH

11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5720	15.920	5711.880	5727.800	0.5	PASS
	Ant1	5720	16.280	5711.880	5728.160	0.5	PASS
	Ant0	5720_UNII-3	2.8	5725	5727.800	0.5	PASS
	Ant1	5720_UNII-3	3.16	5725	5728.160	0.5	PASS
	Ant0	5745	16.360	5736.840	5753.200	0.5	PASS
	Ant1	5745	16.320	5736.880	5753.200	0.5	PASS
	Ant0	5785	16.400	5776.840	5793.240	0.5	PASS
	Ant1	5785	16.320	5776.880	5793.200	0.5	PASS
	Ant0	5825	15.440	5817.160	5832.600	0.5	PASS
	Ant1	5825	16.320	5816.880	5833.200	0.5	PASS
11N20MIMO	Ant0	5720	16.480	5711.920	5728.400	0.5	PASS
	Ant1	5720	17.320	5711.480	5728.800	0.5	PASS
	Ant0	5720_UNII-3	3.4	5725	5728.400	0.5	PASS
	Ant1	5720_UNII-3	3.8	5725	5728.800	0.5	PASS
	Ant0	5745	17.280	5736.280	5753.560	0.5	PASS
	Ant1	5745	17.560	5736.240	5753.800	0.5	PASS
	Ant0	5785	17.560	5776.240	5793.800	0.5	PASS
	Ant1	5785	17.560	5776.240	5793.800	0.5	PASS
	Ant0	5825	16.560	5816.240	5832.800	0.5	PASS
	Ant1	5825	16.920	5816.880	5833.800	0.5	PASS
11N40MIMO	Ant0	5710	33.920	5693.680	5727.600	0.5	PASS
	Ant1	5710	35.120	5692.480	5727.600	0.5	PASS
	Ant0	5710_UNII-3	2.6	5725	5727.600	0.5	PASS
	Ant1	5710_UNII-3	2.6	5725	5727.600	0.5	PASS
	Ant0	5755	35.040	5737.480	5772.520	0.5	PASS
	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
	Ant0	5795	35.040	5777.480	5812.520	0.5	PASS
	Ant1	5795	35.040	5777.560	5812.600	0.5	PASS
11AC80MIMO	Ant0	5690	75.040	5652.560	5727.600	0.5	PASS
	Ant1	5690	75.040	5652.560	5727.600	0.5	PASS
	Ant0	5690_UNII-3	2.6	5725	5727.600	0.5	PASS
	Ant1	5690_UNII-3	2.6	5725	5727.600	0.5	PASS
	Ant0	5775	75.040	5737.560	5812.600	0.5	PASS
	Ant1	5775	75.040	5737.560	5812.600	0.5	PASS
11AX20MIMO	Ant0	5720	18.320	5711.000	5729.320	0.5	PASS
	Ant1	5720	18.160	5711.200	5729.360	0.5	PASS
	Ant0	5720_UNII-3	4.32	5725	5729.320	0.5	PASS
	Ant1	5720_UNII-3	4.36	5725	5729.360	0.5	PASS
	Ant0	5745	17.520	5736.280	5753.800	0.5	PASS
	Ant1	5745	18.320	5735.640	5753.960	0.5	PASS
	Ant0	5785	18.360	5776.000	5794.360	0.5	PASS
	Ant1	5785	18.560	5775.760	5794.320	0.5	PASS
	Ant0	5825	17.240	5816.240	5833.480	0.5	PASS
	Ant1	5825	17.320	5815.760	5833.080	0.5	PASS
11AX40MIMO	Ant0	5710	35.120	5692.480	5727.600	0.5	PASS
	Ant1	5710	35.120	5692.480	5727.600	0.5	PASS
	Ant0	5710_UNII-3	2.6	5725	5727.600	0.5	PASS
	Ant1	5710_UNII-3	2.6	5725	5727.600	0.5	PASS
	Ant0	5755	35.040	5737.480	5772.520	0.5	PASS
	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
	Ant0	5795	35.040	5777.480	5812.520	0.5	PASS
	Ant1	5795	35.120	5777.480	5812.600	0.5	PASS
11AX80MIMO	Ant0	5690	75.040	5652.560	5727.600	0.5	PASS
	Ant1	5690	75.200	5652.400	5727.600	0.5	PASS
	Ant0	5690_UNII-3	2.6	5725	5727.600	0.5	PASS
	Ant1	5690_UNII-3	2.6	5725	5727.600	0.5	PASS
	Ant0	5775	75.200	5737.400	5812.600	0.5	PASS
	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

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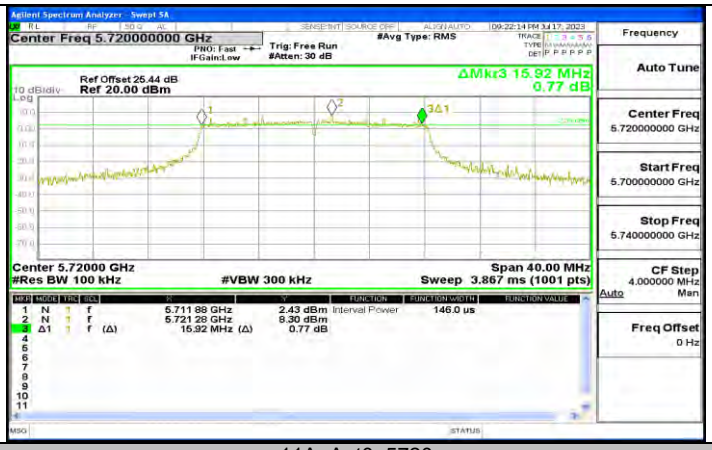
11.3.2. Test Graphs



11A_Ant0_5720

11A_Ant1_5720

11A_Ant0_5745

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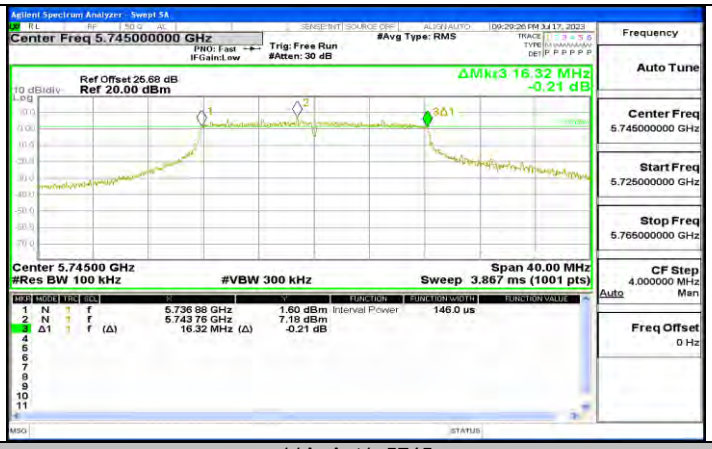

11A_Ant1_5745

11A_Ant0_5785

11A_Ant1_5785

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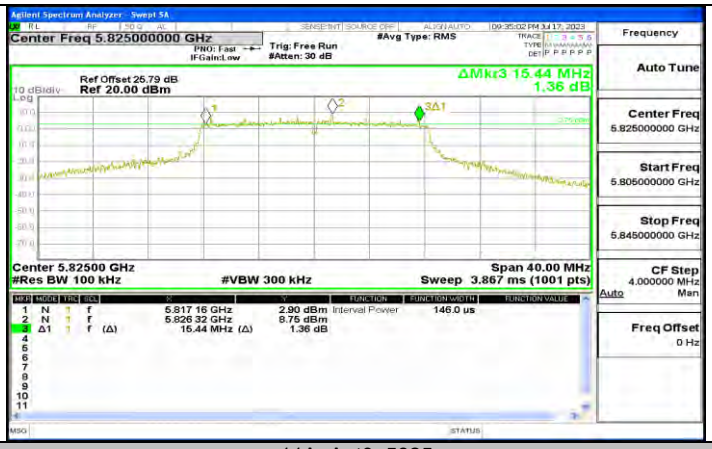

11A_Ant0_5825

11A_Ant1_5825

11N20MIMO_Ant0_5720

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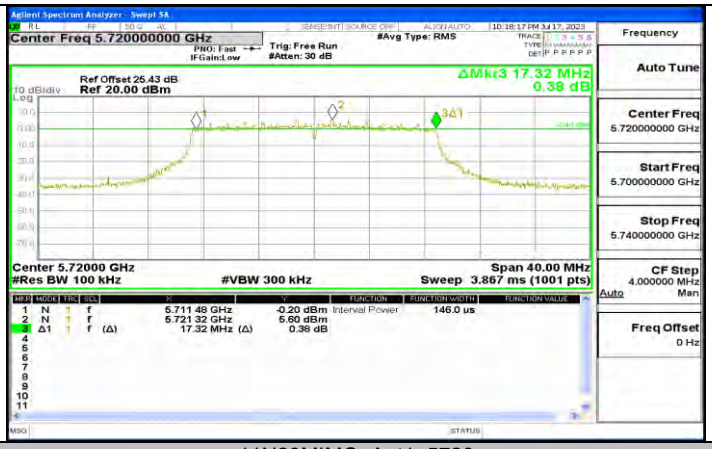

11N20MIMO_Ant1_5720

11N20MIMO_Ant0_5745

11N20MIMO_Ant1_5745

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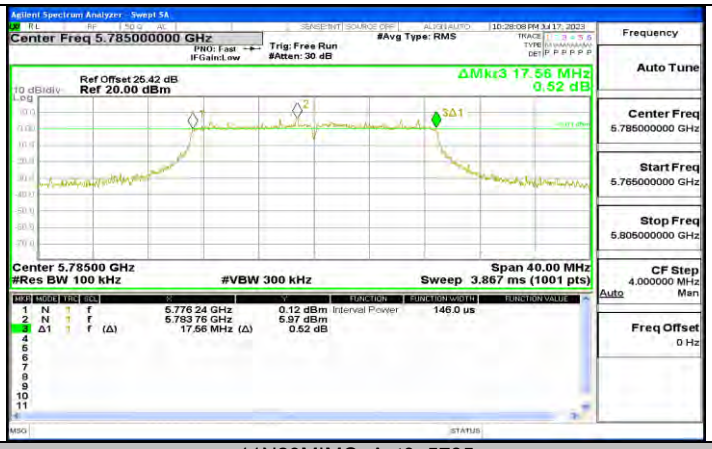
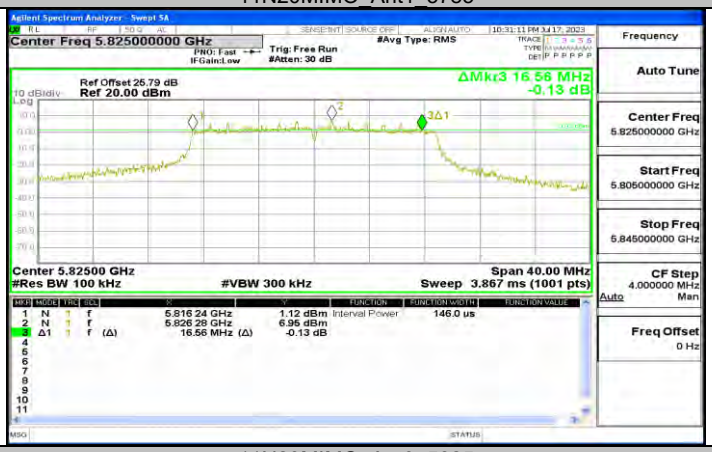


11N20MIMO_Ant0_5785

11N20MIMO_Ant1_5785



11N20MIMO_Ant0_5825

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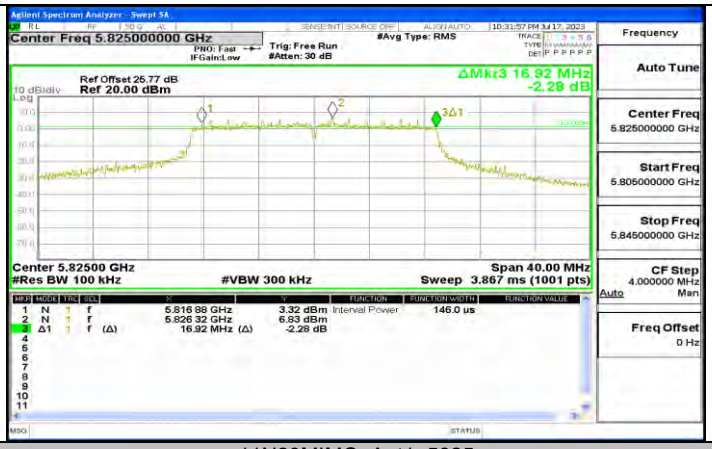

11N20MIMO_Ant1_5825

11N40MIMO_Ant0_5710

11N40MIMO_Ant1_5710

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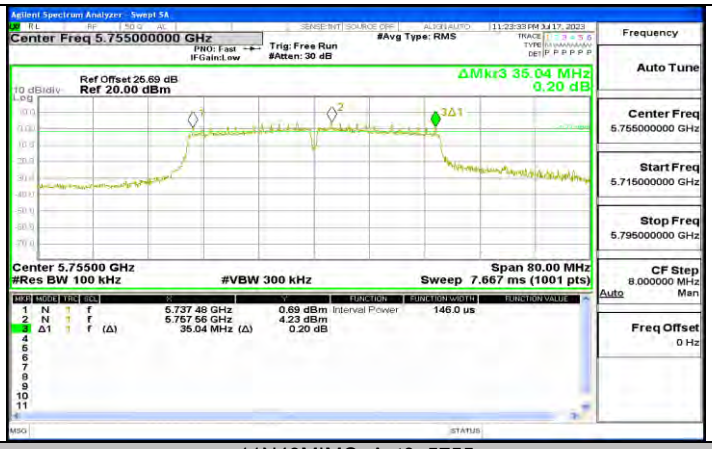
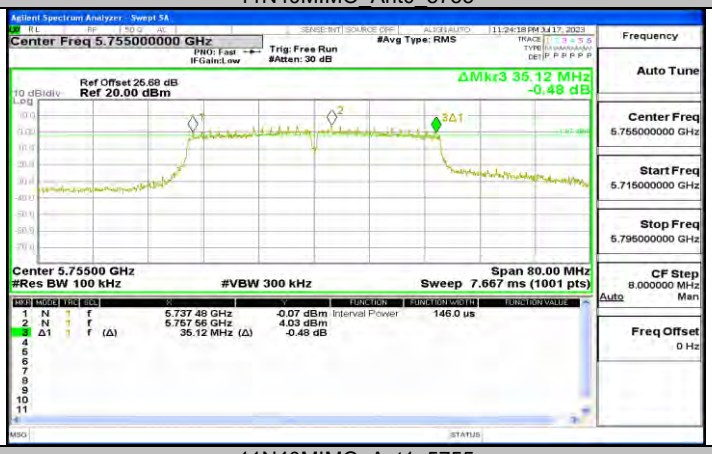
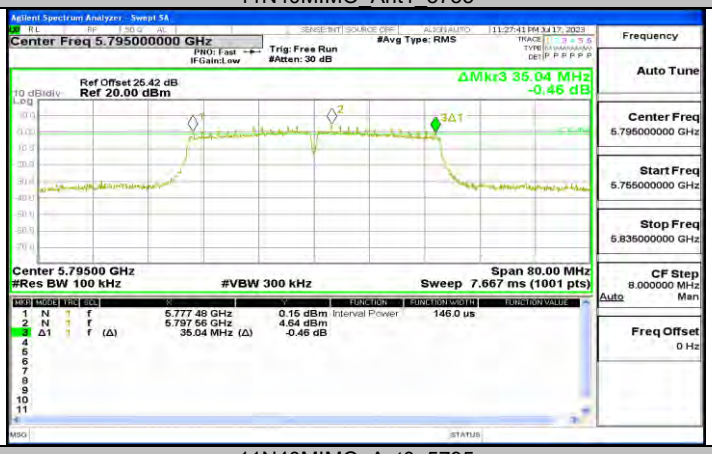


11N40MIMO_Ant0_5755



11N40MIMO_Ant1_5755



11N40MIMO_Ant0_5795

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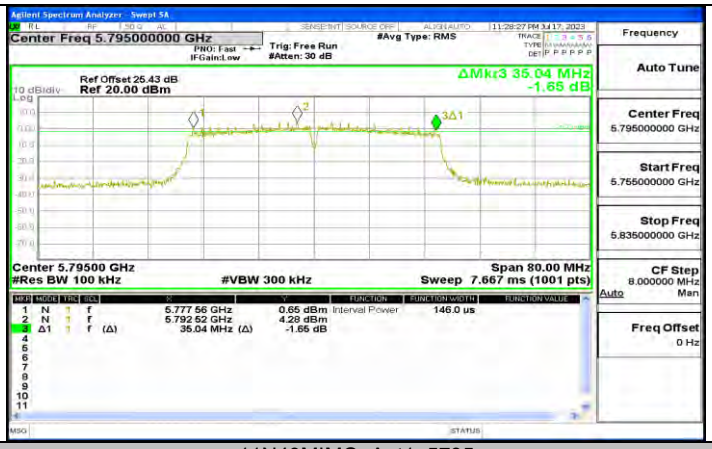

11N40MIMO_Ant1_5795

11AC80MIMO_Ant0_5690

11AC80MIMO_Ant1_5690

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