OCCUPIED CHANNEL BANDWIDTH

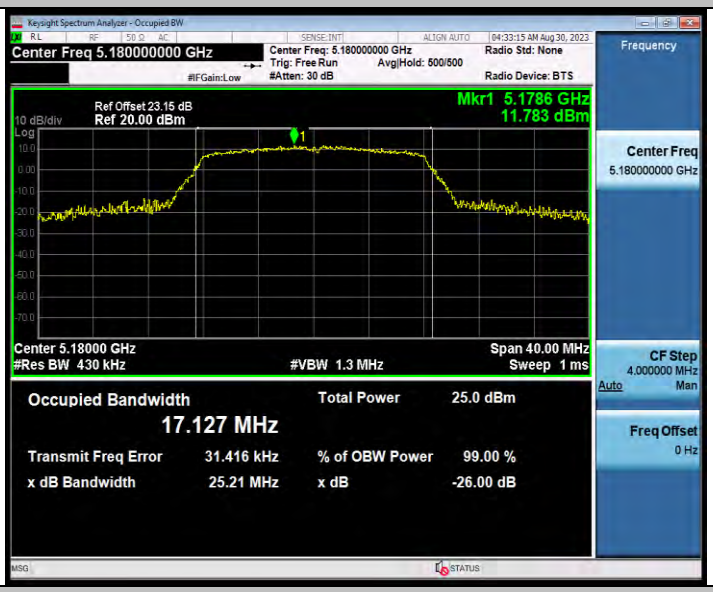
TEST RESULT

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.127	5171.4679	5188.5949	---	---
		5200	17.061	5191.4848	5208.5458	---	---
		5240	17.058	5231.5073	5248.5653	---	---
		5260	17.093	5251.4841	5268.5771	---	---
		5300	17.045	5291.5191	5308.5641	---	---
		5320	16.977	5311.5000	5328.4770	---	---
		5500	16.969	5491.5283	5508.4973	---	---
		5580	17.062	5571.4620	5588.5240	---	---
		5700	17.002	5691.5445	5708.5465	---	---
		5745	16.889	5736.5613	5753.4503	---	---
		5785	16.934	5776.5251	5793.4591	---	---
		5825	16.978	5816.5098	5833.4878	---	---
11N20SISO	Ant1	5180	18.010	5171.0035	5189.0135	---	---
		5200	17.994	5191.0262	5209.0202	---	---
		5240	18.049	5230.9841	5249.0331	---	---
		5260	18.025	5250.9704	5268.9954	---	---
		5300	18.007	5290.9777	5308.9847	---	---
		5320	17.970	5311.0417	5329.0117	---	---
		5500	18.005	5490.9990	5509.0040	---	---
		5580	18.003	5571.0321	5589.0351	---	---
		5700	18.012	5690.9932	5709.0052	---	---
		5745	17.894	5736.0604	5753.9544	---	---
		5785	17.948	5776.0022	5793.9502	---	---
		5825	17.895	5816.0628	5833.9578	---	---
11N40SISO	Ant1	5190	36.562	5171.7818	5208.3438	---	---
		5230	36.440	5211.8727	5248.3127	---	---
		5270	36.460	5251.8241	5288.2841	---	---
		5310	36.404	5291.8329	5328.2369	---	---
		5510	36.578	5491.7701	5528.3481	---	---
		5550	36.397	5531.8281	5568.2251	---	---
		5670	36.382	5651.8187	5688.2007	---	---

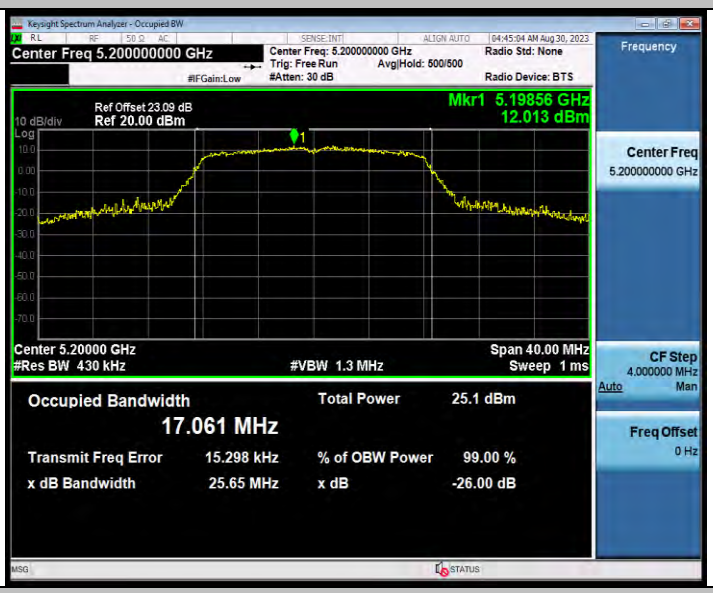
		5755	36.348	5736.8699	5773.2179	---	---
		5795	36.391	5776.8169	5813.2079	---	---
11AC20SISO	Ant1	5180	17.926	5171.0672	5188.9932	---	---
		5200	17.873	5191.1037	5208.9767	---	---
		5240	17.934	5231.0607	5248.9947	---	---
		5260	17.928	5251.0282	5268.9562	---	---
		5300	17.879	5291.0773	5308.9563	---	---
		5320	17.915	5311.0487	5328.9637	---	---
		5500	17.938	5491.0372	5508.9752	---	---
		5580	17.946	5571.0355	5588.9815	---	---
		5700	17.946	5691.0783	5709.0243	---	---
		5745	17.913	5736.0685	5753.9815	---	---
		5785	17.854	5776.0796	5793.9336	---	---
		5825	17.826	5816.0993	5833.9253	---	---
11AC40SISO	Ant1	5190	36.342	5171.9060	5208.2480	---	---
		5230	36.374	5211.8726	5248.2466	---	---
		5270	36.202	5251.9328	5288.1348	---	---
		5310	36.268	5291.8750	5328.1430	---	---
		5510	36.374	5491.8716	5528.2456	---	---
		5550	36.346	5531.8670	5568.2130	---	---
		5670	36.278	5651.8964	5688.1744	---	---
		5755	36.356	5736.8222	5773.1782	---	---
		5795	36.326	5776.8389	5813.1649	---	---
11AC80SISO	Ant1	5210	75.367	5172.4723	5247.8393	---	---
		5290	75.296	5252.3886	5327.6846	---	---
		5530	75.388	5492.3387	5567.7267	---	---
		5610	75.424	5572.3047	5647.7287	---	---
		5775	75.447	5737.2783	5812.7253	---	---

TEST GRAPHS

11A_Ant1_5180

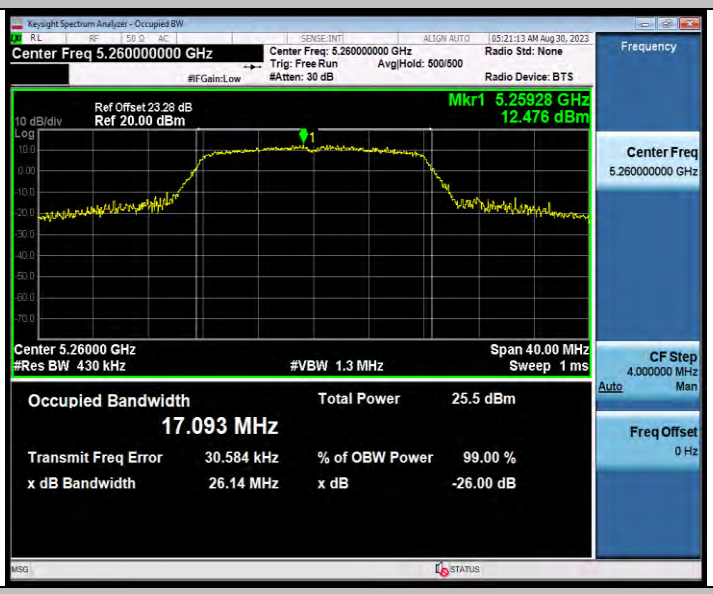


11A_Ant1_5200



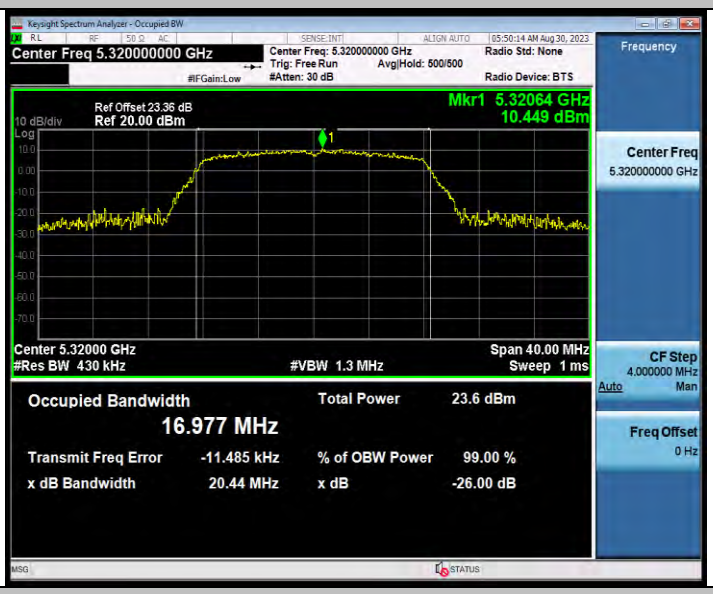
11A_Ant1_5240

11A_Ant1_5260



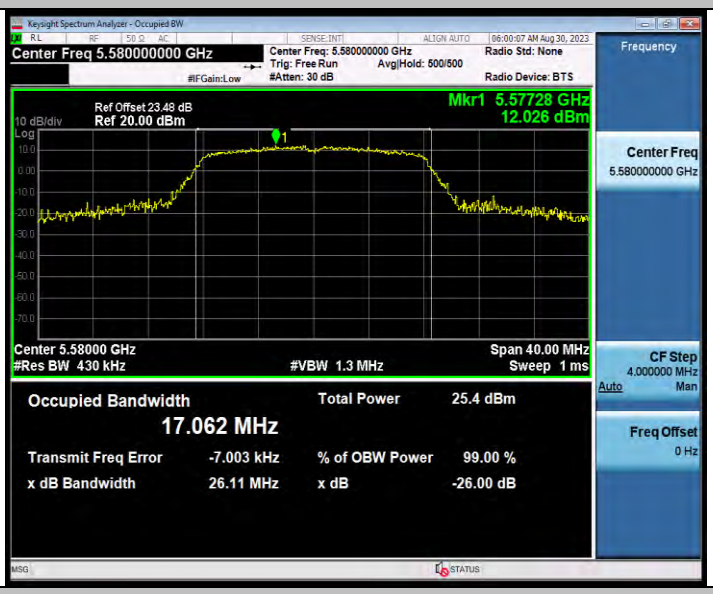
11A_Ant1_5300

11A_Ant1_5320



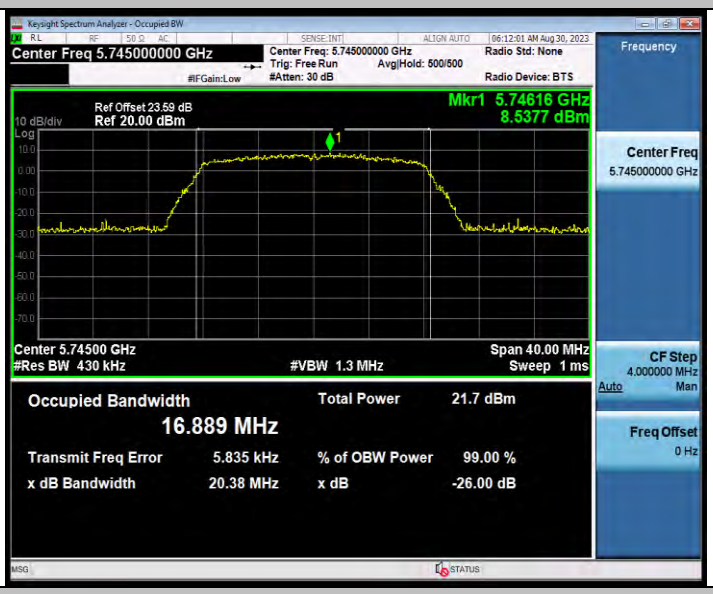
11A_Ant1_5500

11A_Ant1_5580



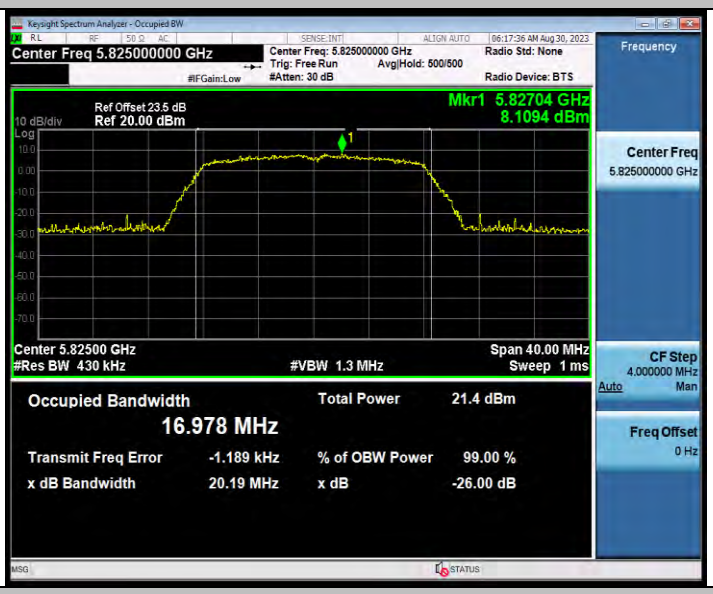
11A_Ant1_5700

11A_Ant1_5745



11A_Ant1_5785

11A_Ant1_5825



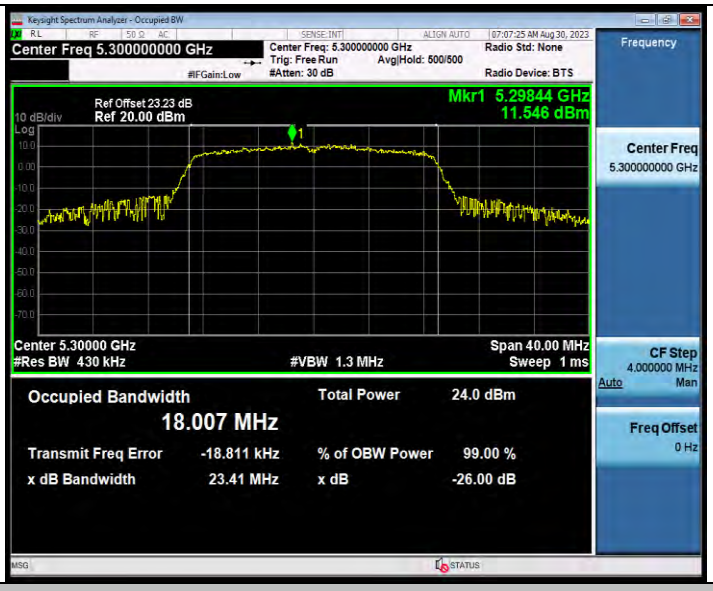
11N20SISO_Ant1_5180

11N20SISO_Ant1_5200

11N20SISO_Ant1_5240

11N20SISO_Ant1_5260

11N20SISO_Ant1_5300



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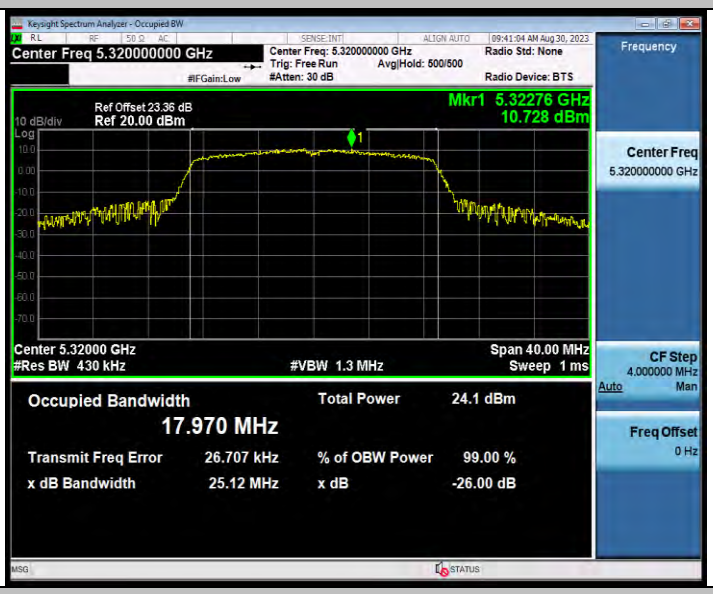

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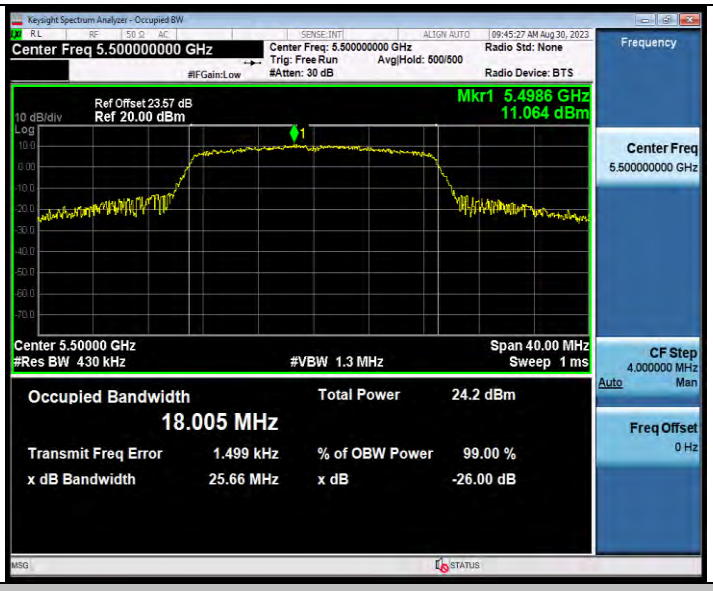
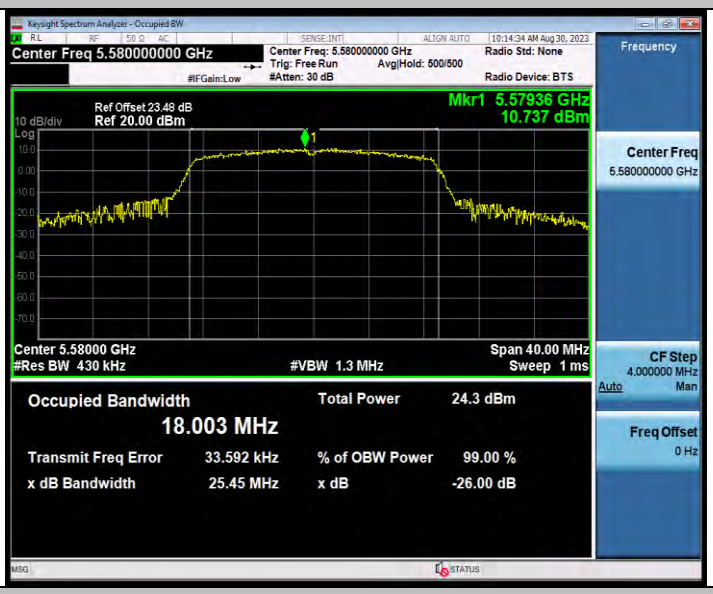
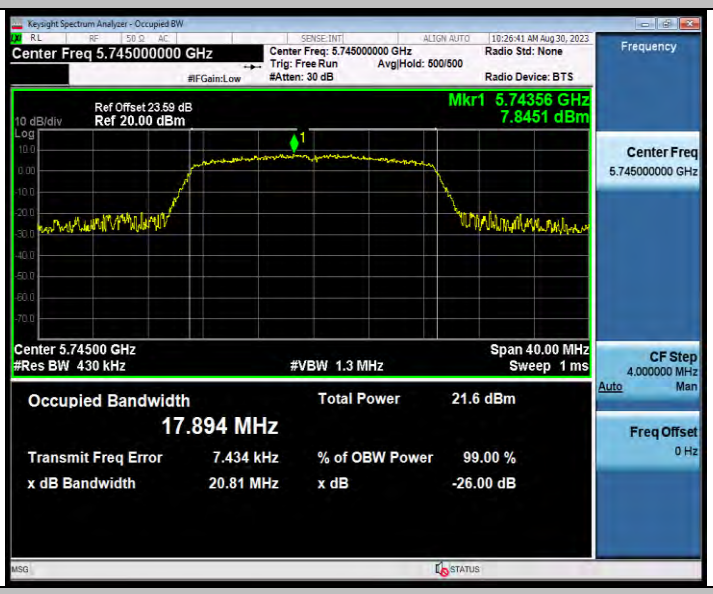


11N20SISO_Ant1_5580



11N20SISO_Ant1_5700

11N20SISO_Ant1_5745



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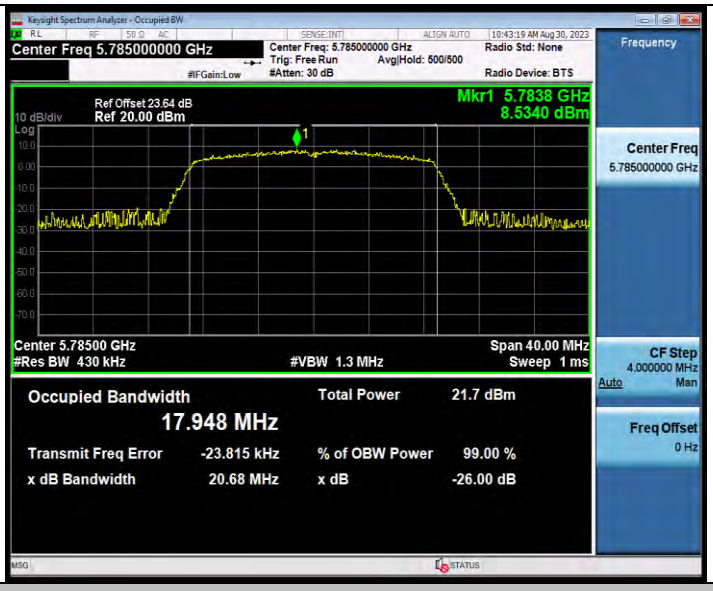

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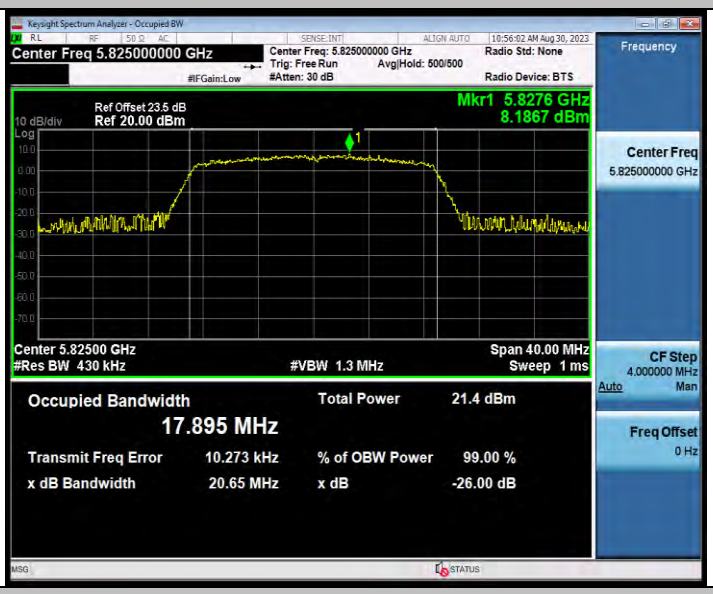

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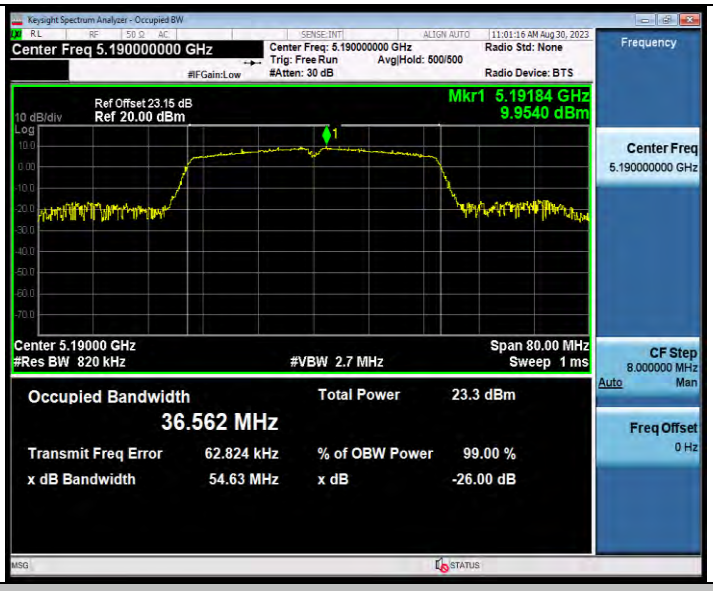
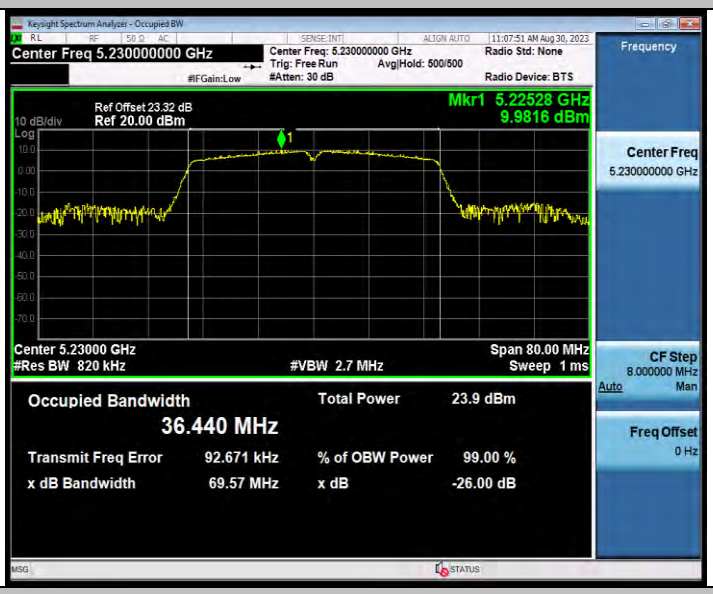


11N40SISO_Ant1_5230



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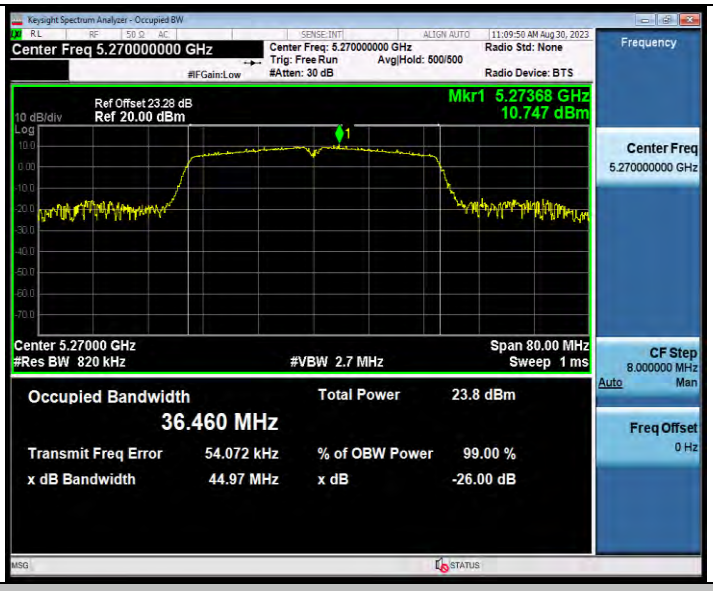
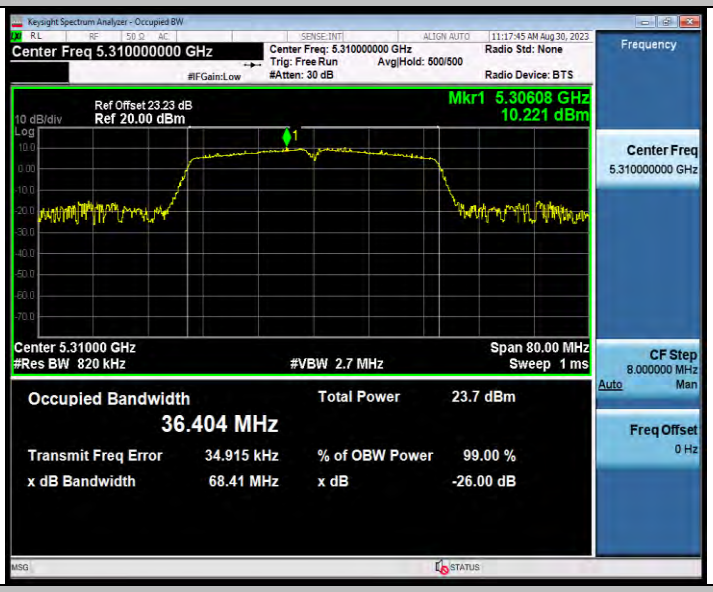
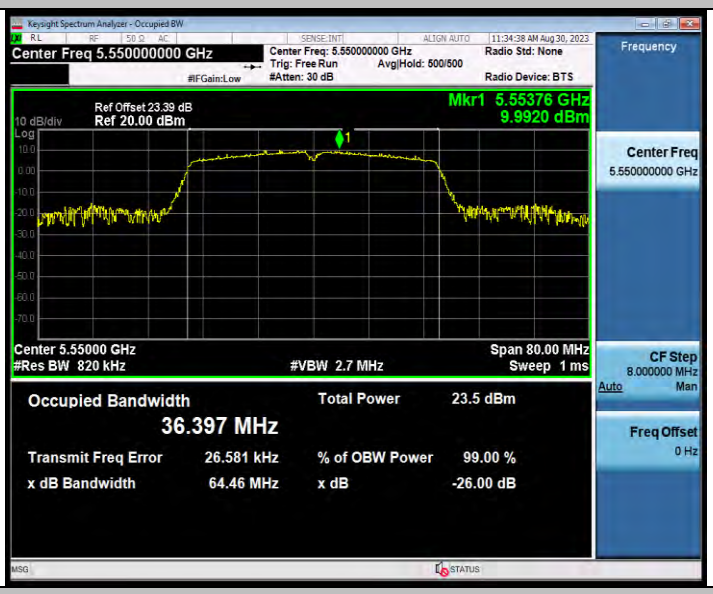


11N40SISO_Ant1_5310



11N40SISO_Ant1_5510

11N40SISO_Ant1_5550



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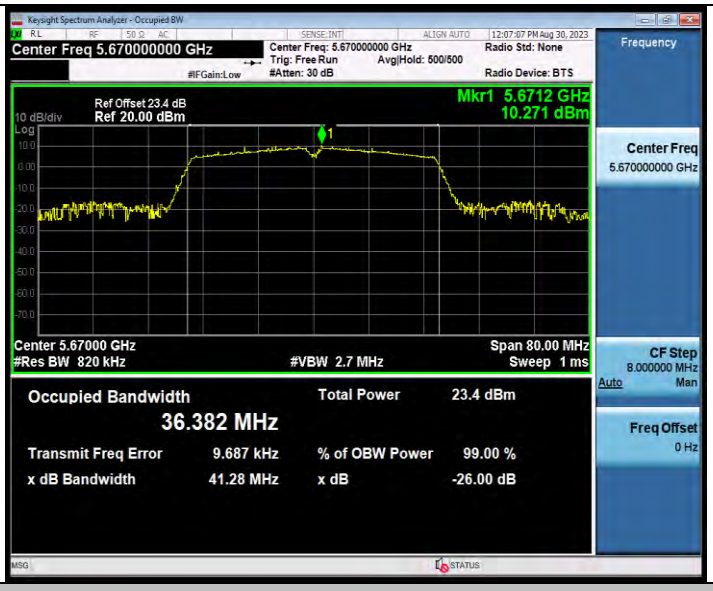
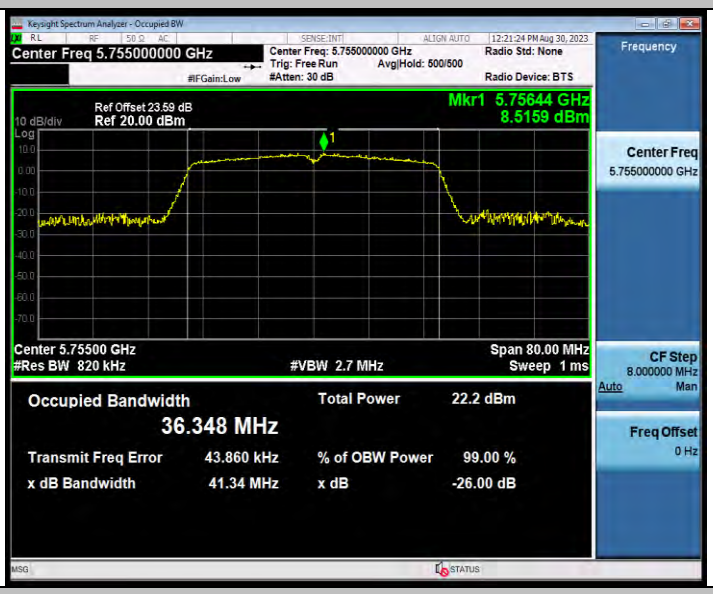
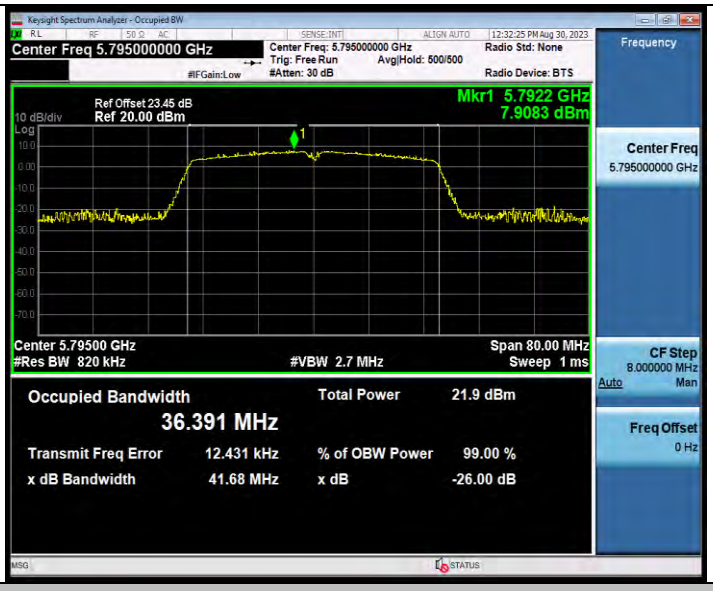


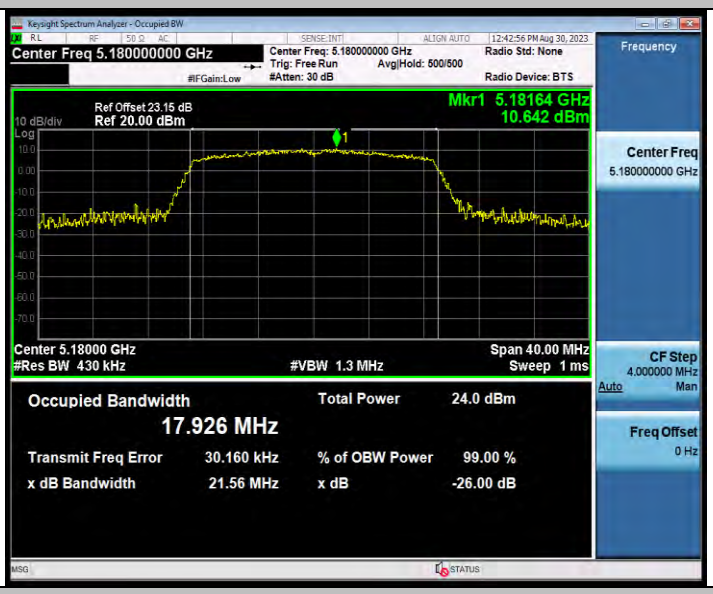
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

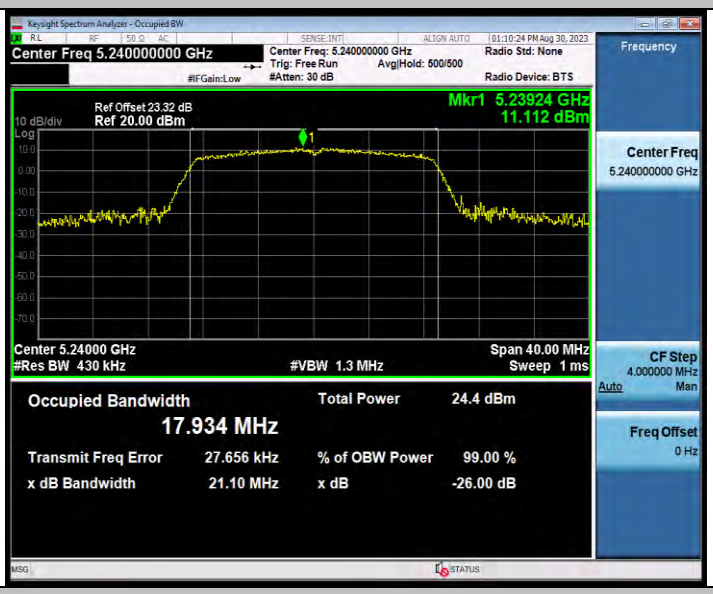


11AC20SISO_Ant1_5180

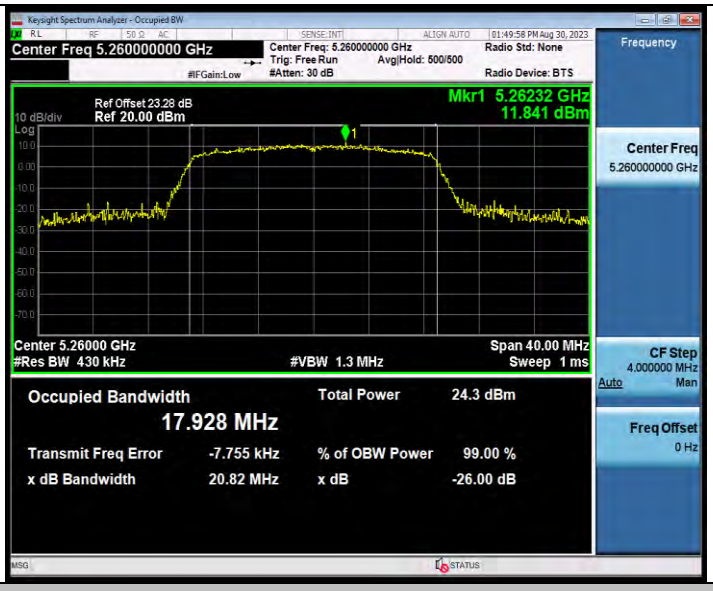


11AC20SISO_Ant1_5200

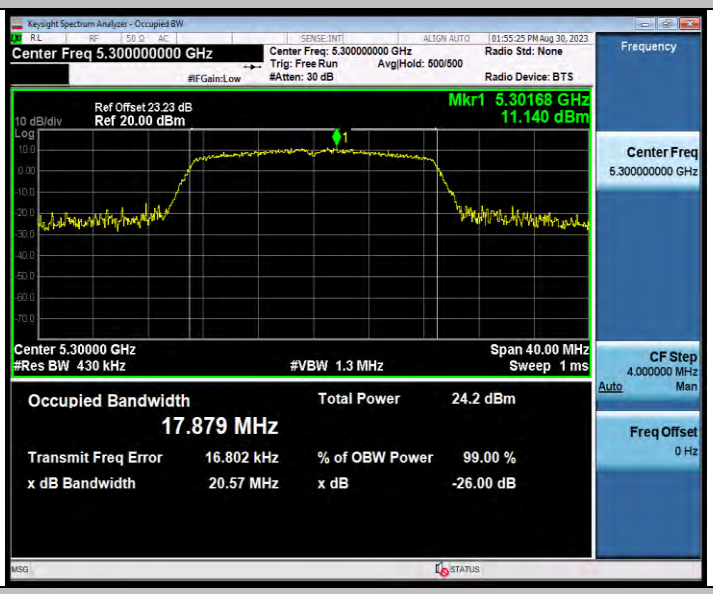
11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5260

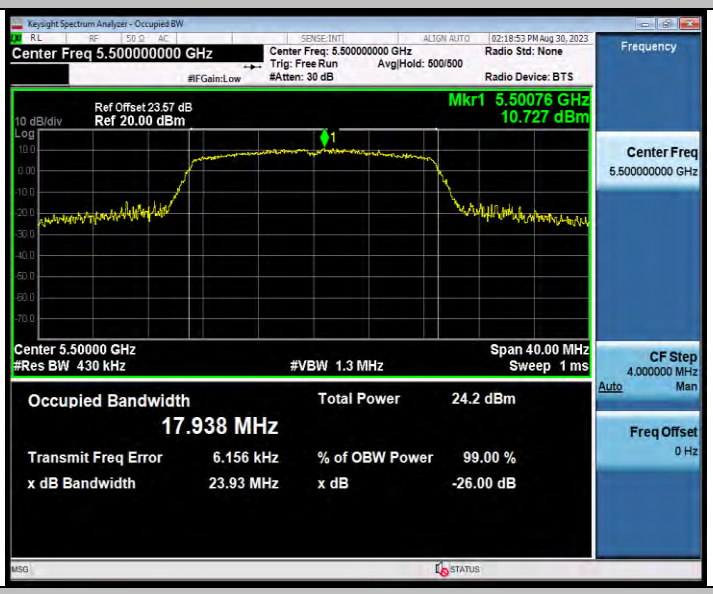


11AC20SISO_Ant1_5300



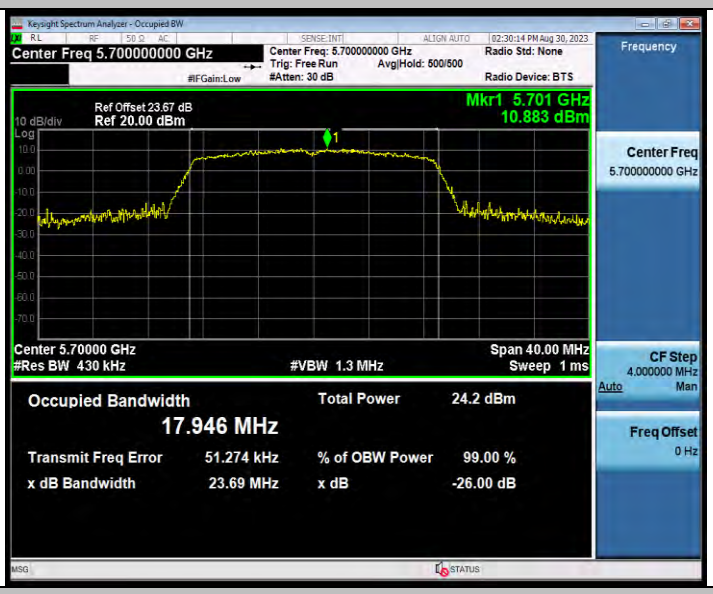
11AC20SISO_Ant1_5320

11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580

11AC20SISO_Ant1_5700



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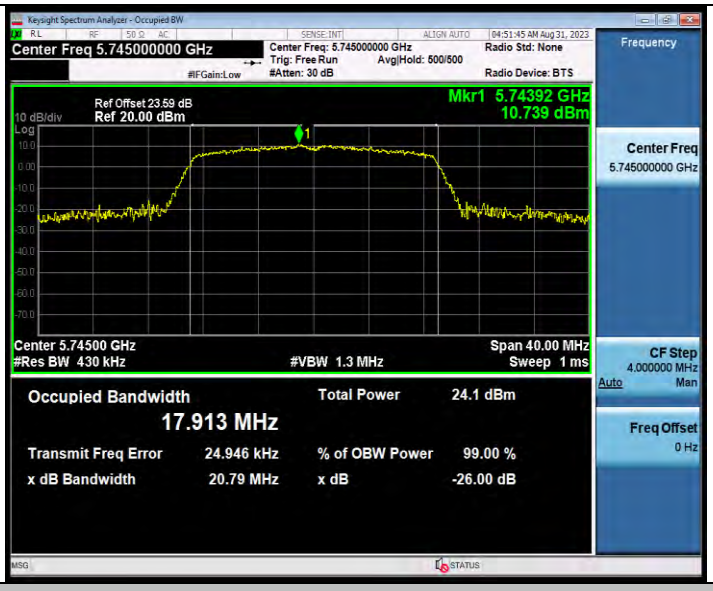

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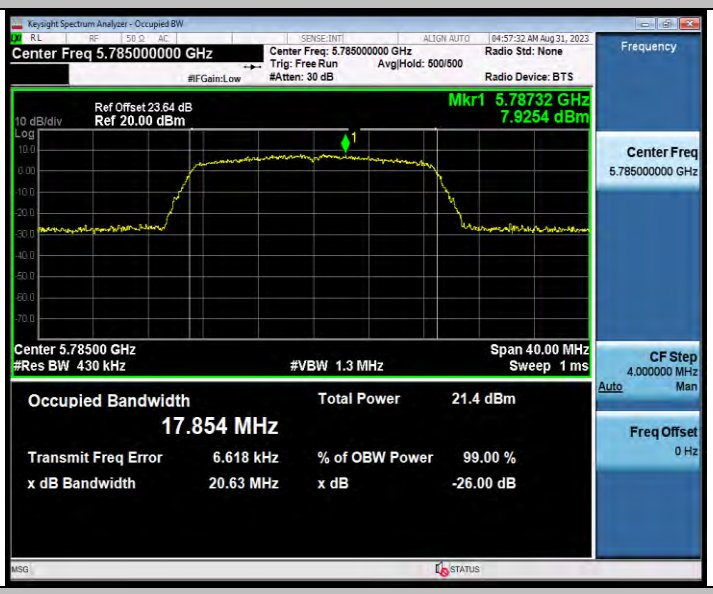
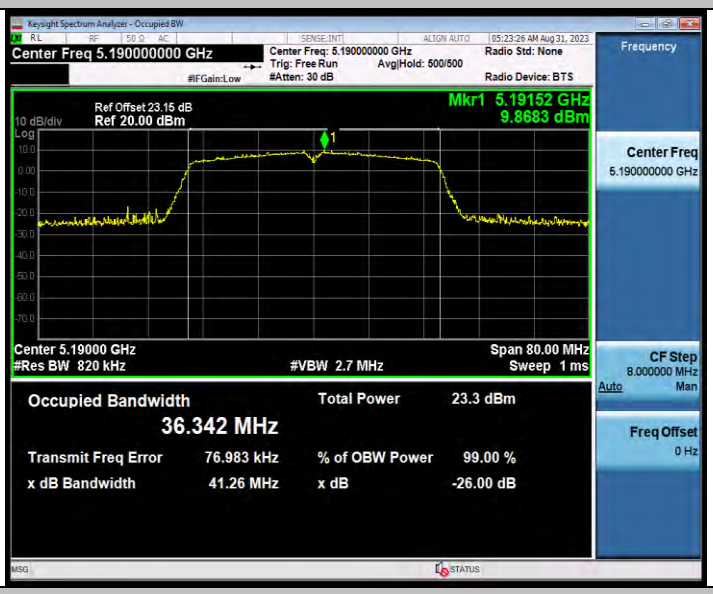


11AC20SISO_Ant1_5825

11AC40SISO_Ant1_5190



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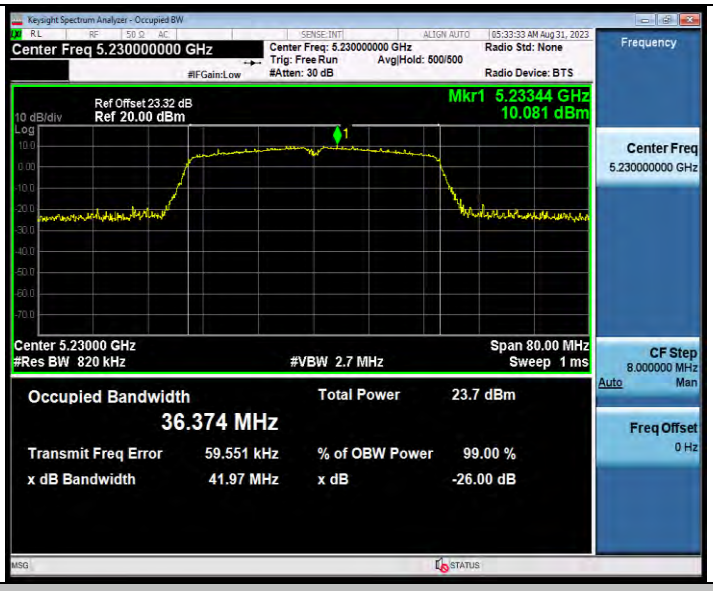

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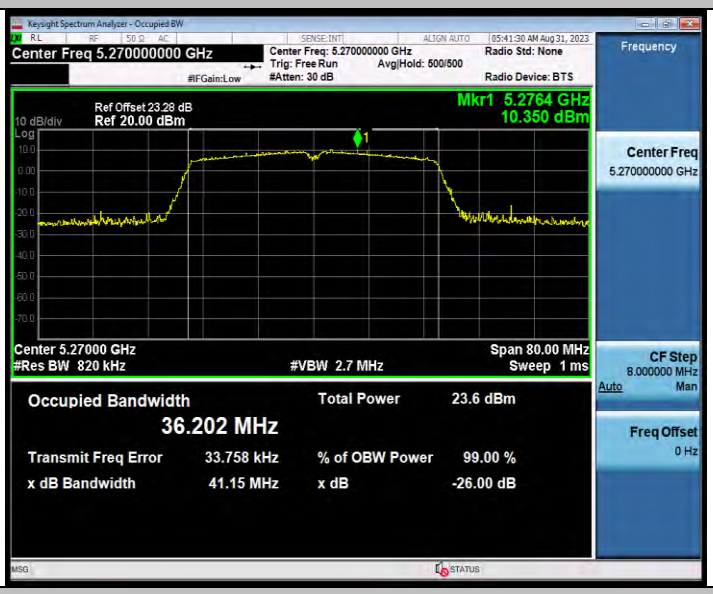
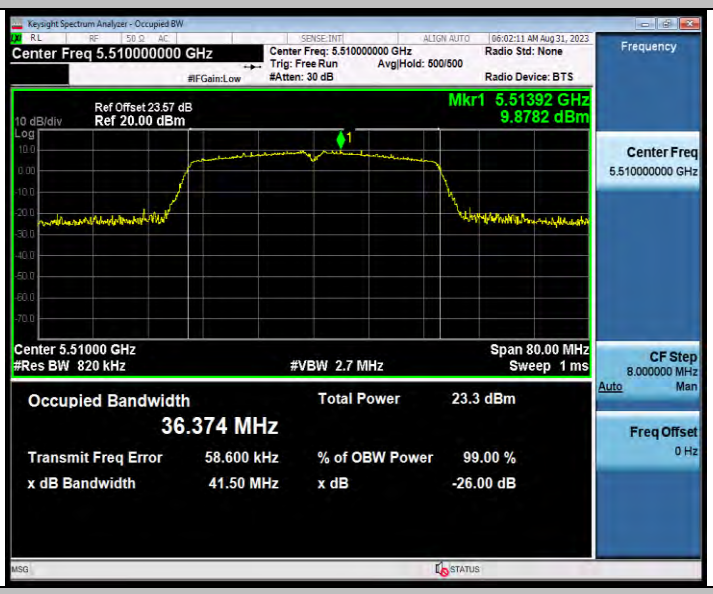


11AC40SISO_Ant1_5310

11AC40SISO_Ant1_5510



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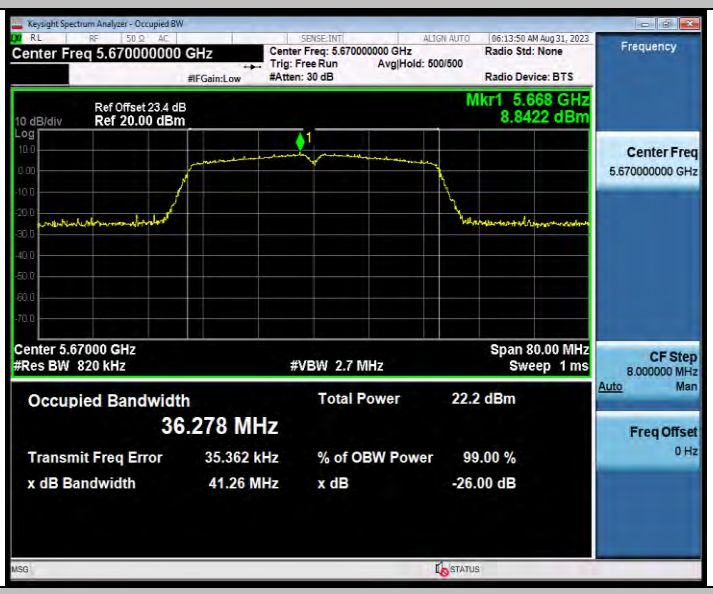
11AC40SISO_Ant1_5670



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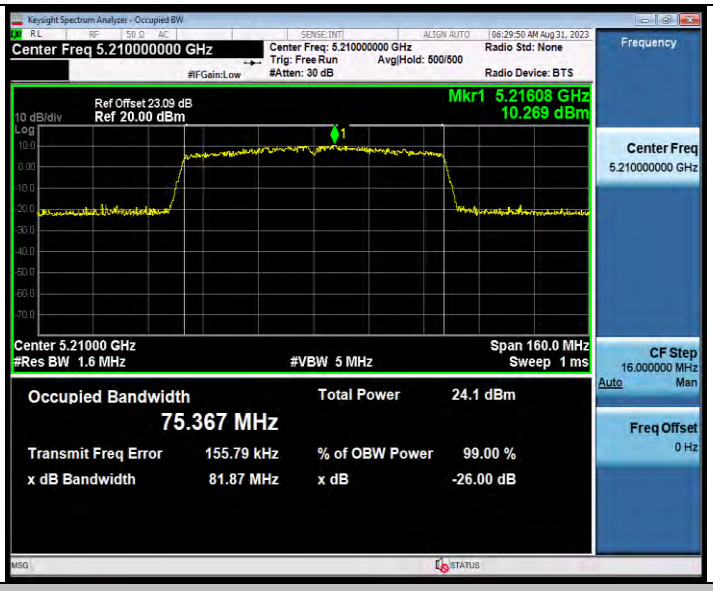
11AC40SISO_Ant1_5795

11AC80SISO_Ant1_5210



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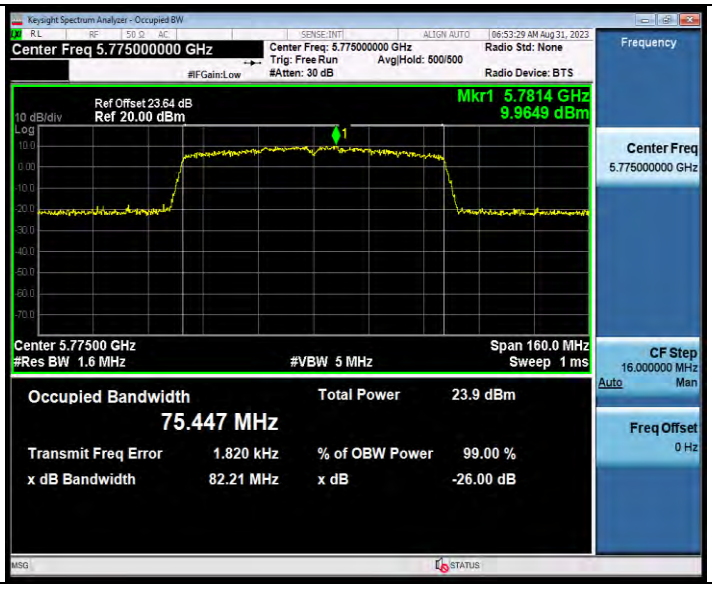
11AC80SISO_Ant1_5530

11AC80SISO_Ant1_5610

11AC80SISO_Ant1_5775


Keysight Spectrum Analyzer - Occupied BW
Center Freq 5.775000000 GHz
Center Freq: 5.775000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 500/500
Radio Std: None
Radio Device: BTS
06:53:29 AM Aug 31, 2023
Frequency
Ref Offset 23.64 dB
10 dB/div
Ref 20.00 dBm
Mkr1 5.7814 GHz
9.9649 dBm
Center 5.77500 GHz
#Res BW 1.6 MHz
#VBW 5 MHz
Span 160.0 MHz
Sweep 1 ms
Center Freq
5.775000000 GHz
CF Step
16.000000 MHz
Auto
Man
Freq Offset
0 Hz
Occupied Bandwidth
75.447 MHz
Total Power 23.9 dBm
Transmit Freq Error 1.820 kHz
% of OBW Power 99.00 %
x dB Bandwidth 82.21 MHz
x dB -26.00 dB
MSG
STATUS

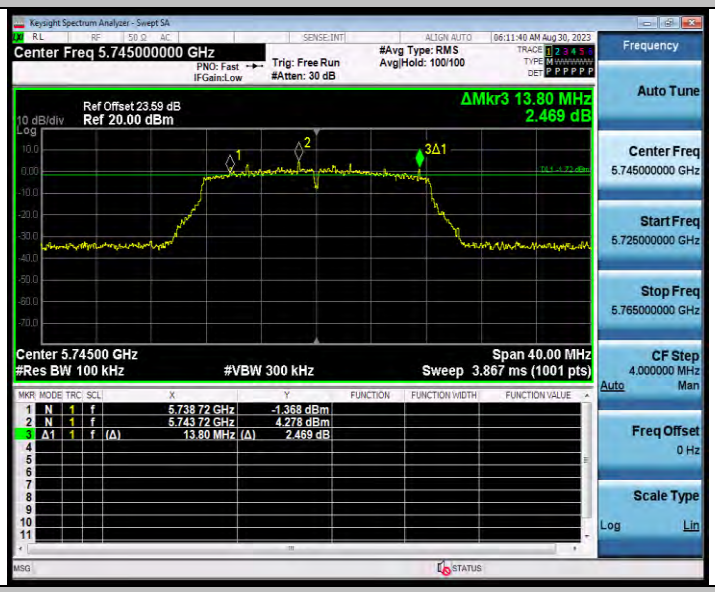
MIN EMISSION BANDWIDTH

TEST RESULT B4

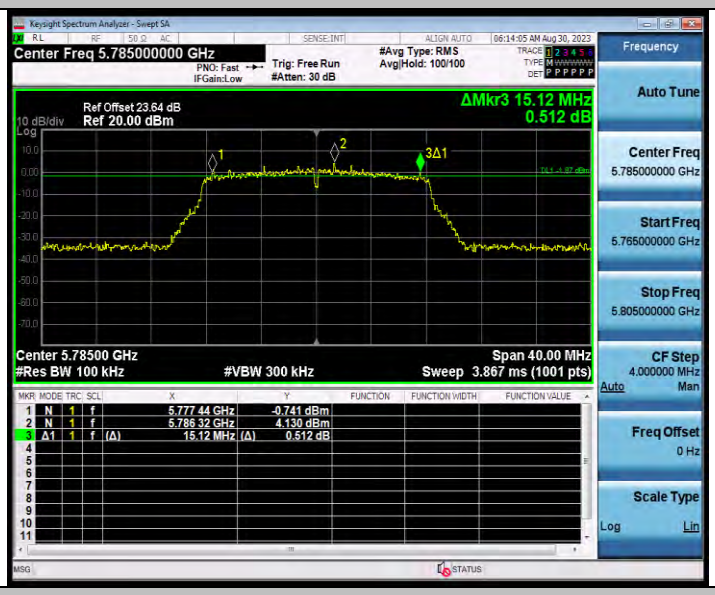
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	13.800	5738.720	5752.520	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.360	5817.440	5832.800	0.5	PASS
11N20SISO	Ant1	5745	15.000	5737.520	5752.520	0.5	PASS
		5785	14.040	5777.520	5791.560	0.5	PASS
		5825	16.080	5816.520	5832.600	0.5	PASS
11N40SISO	Ant1	5755	33.840	5737.480	5771.320	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.160	5737.440	5752.600	0.5	PASS
		5785	15.040	5777.480	5792.520	0.5	PASS
		5825	15.040	5817.520	5832.560	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

TEST GRAPHS B4

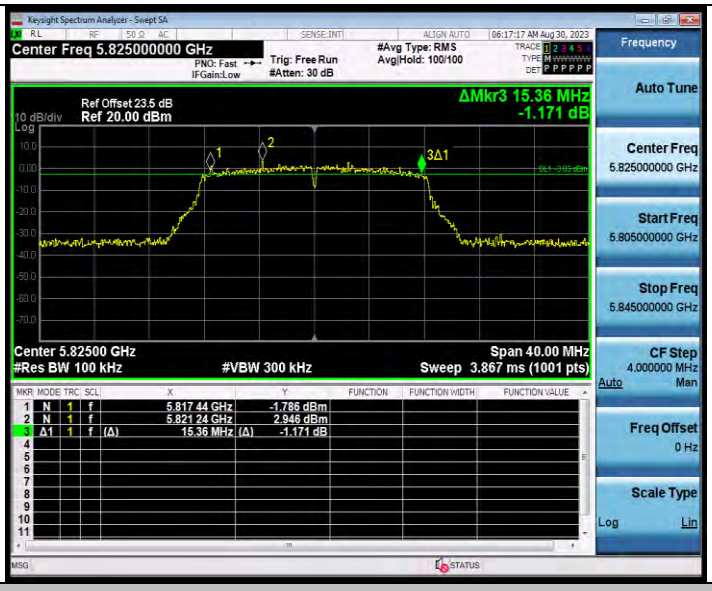
11A_Ant1_5745



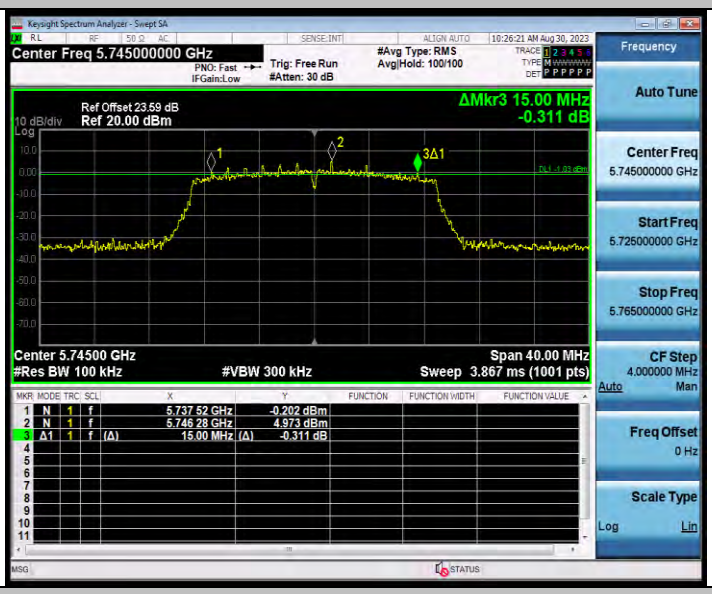
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



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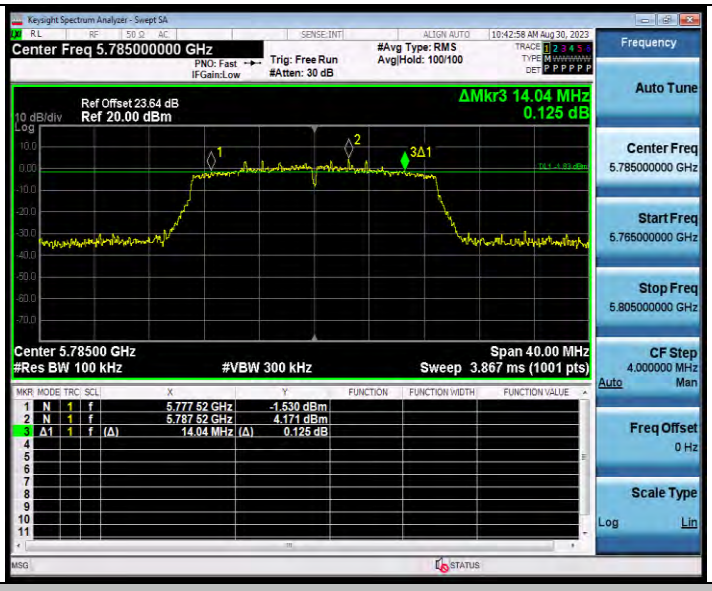
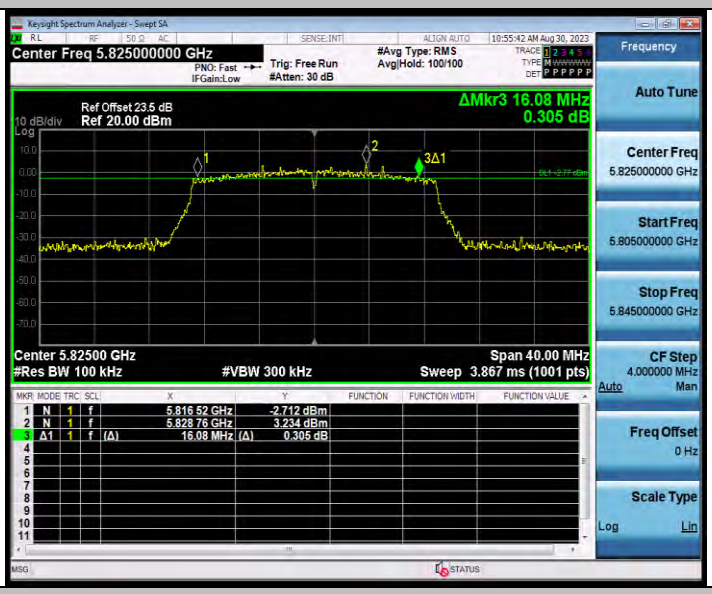
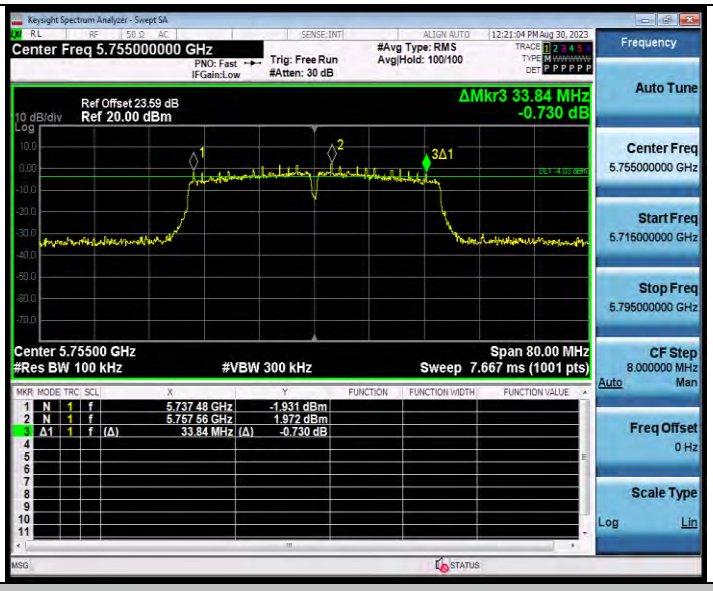


11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



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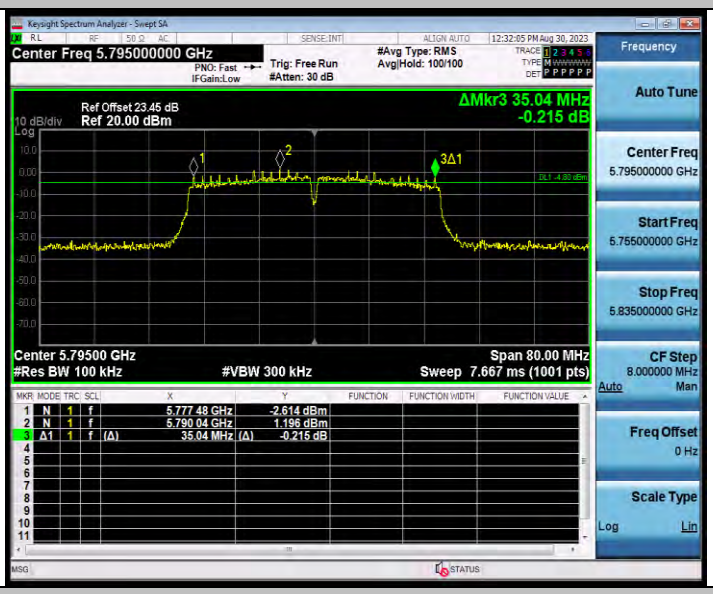

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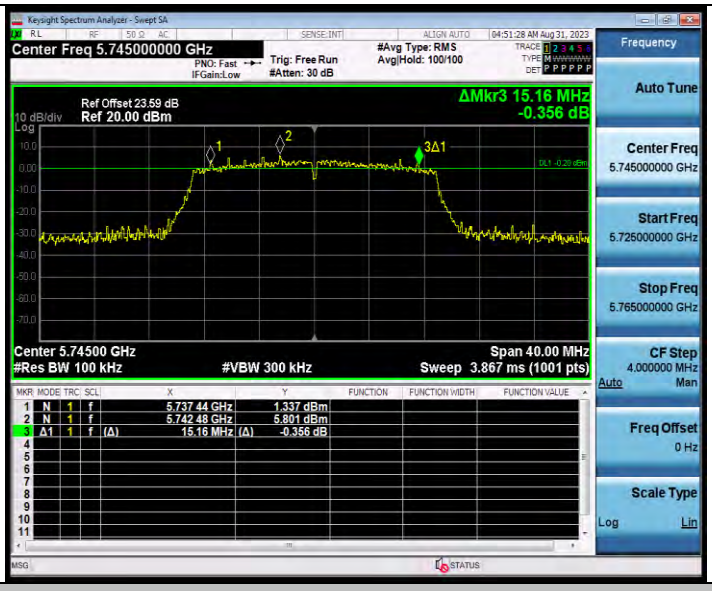

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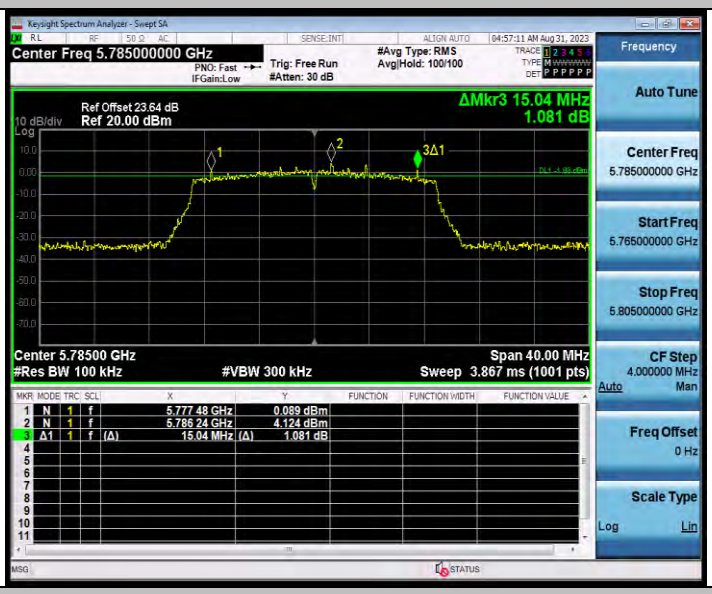

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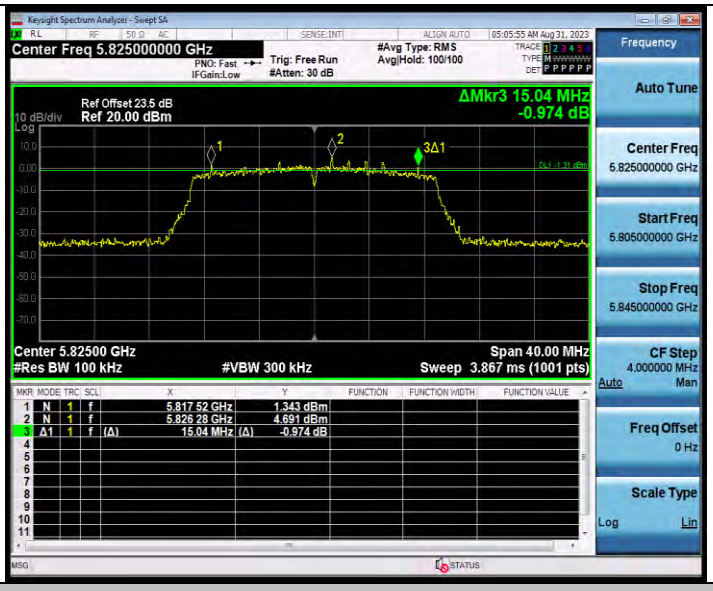
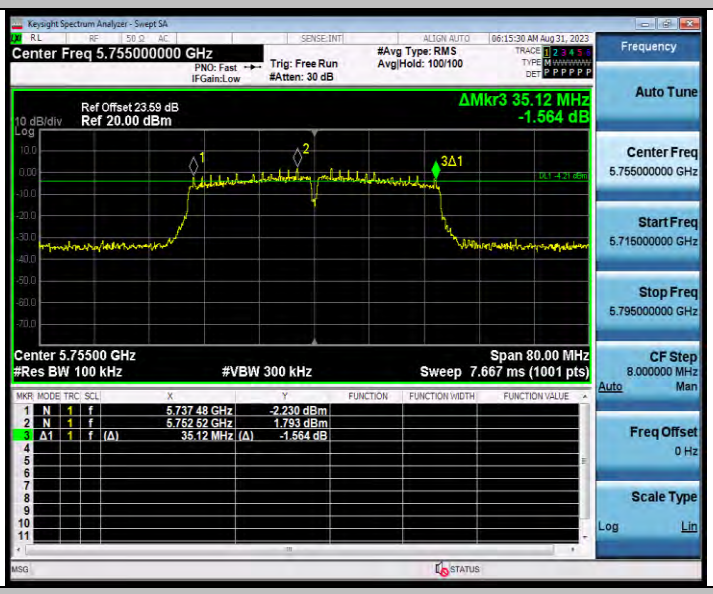
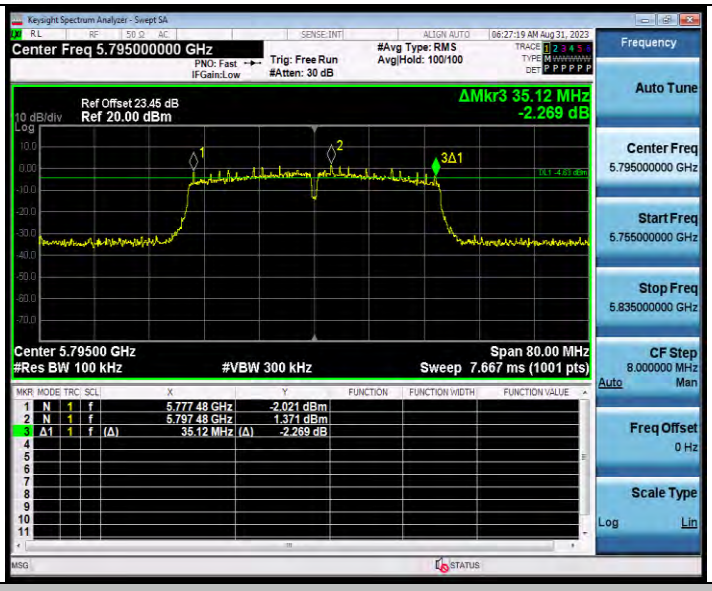


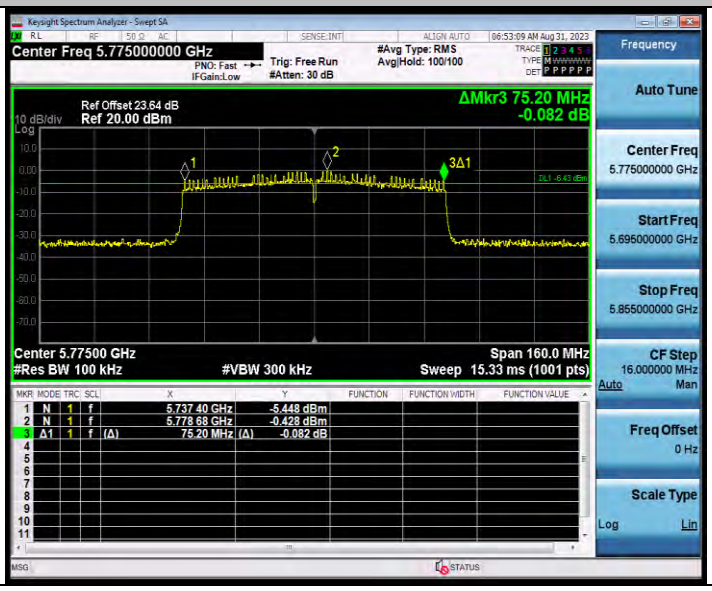
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



DUTY CYCLE

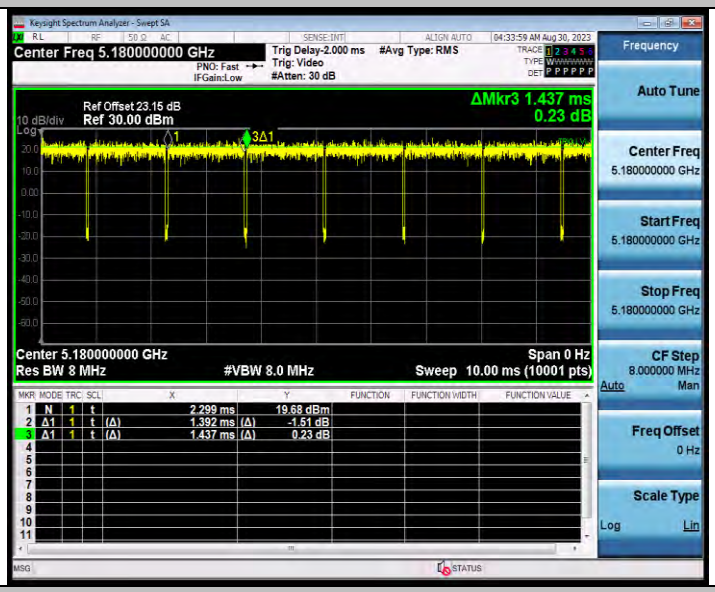
TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.40	1.44	97.22
		5200	1.39	1.43	97.20
		5240	1.39	1.43	97.20
		5260	1.39	1.44	96.53
		5300	1.39	1.44	96.53
		5320	1.39	1.43	97.20
		5500	1.40	1.44	97.22
		5580	1.39	1.44	96.53
		5700	1.39	1.43	97.20
		5745	1.39	1.43	97.20
		5785	1.39	1.43	97.20
		5825	1.39	1.43	97.20
11N20SISO	Ant1	5180	1.30	1.34	97.01
		5200	1.30	1.34	97.01
		5240	1.30	1.35	96.30
		5260	1.30	1.34	97.01
		5300	1.30	1.35	96.30
		5320	1.30	1.35	96.30
		5500	1.30	1.35	96.30
		5580	1.30	1.34	97.01
		5700	1.30	1.35	96.30
		5745	1.30	1.35	96.30
		5785	1.29	1.34	96.27
		5825	1.30	1.34	97.01
11N40SISO	Ant1	5190	0.65	0.69	94.20
		5230	0.65	0.70	92.86
		5270	0.65	0.70	92.86
		5310	0.64	0.69	92.75
		5510	0.64	0.69	92.75
		5550	0.65	0.69	94.20

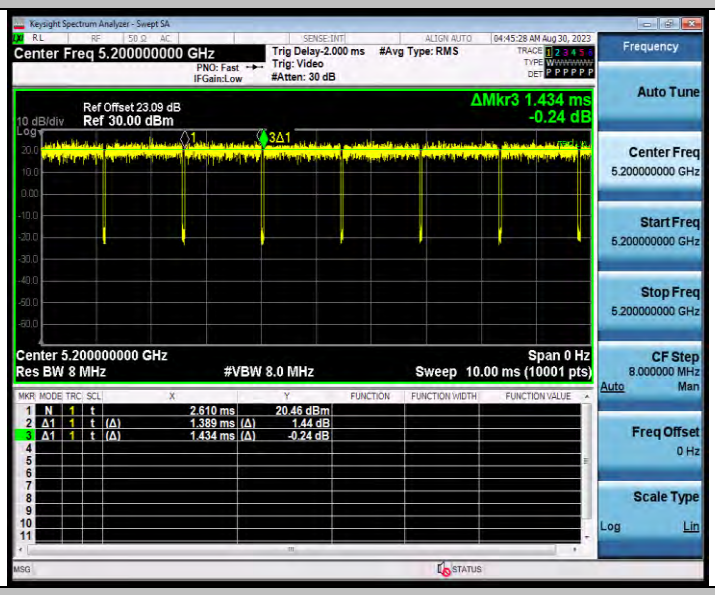
		5670	0.65	0.69	94.20
		5755	0.65	0.70	92.86
		5795	0.65	0.70	92.86
11AC20SISO	Ant1	5180	1.32	1.36	97.06
		5200	1.32	1.36	97.06
		5240	1.31	1.36	96.32
		5260	1.31	1.36	96.32
		5300	1.31	1.36	96.32
		5320	1.31	1.36	96.32
		5500	1.32	1.36	97.06
		5580	1.31	1.36	96.32
		5700	1.31	1.35	97.04
		5745	1.31	1.35	97.04
		5785	1.31	1.35	97.04
		5825	1.31	1.36	96.32
11AC40SISO	Ant1	5190	0.66	0.70	94.29
		5230	0.65	0.70	92.86
		5270	0.66	0.70	94.29
		5310	0.65	0.69	94.20
		5510	0.65	0.69	94.20
		5550	0.65	0.70	92.86
		5670	0.65	0.70	92.86
		5755	0.65	0.69	94.20
		5795	0.66	0.70	94.29
11AC80SISO	Ant1	5210	0.32	0.36	88.89
		5290	0.33	0.37	89.19
		5530	0.32	0.37	86.49
		5610	0.32	0.37	86.49
		5775	0.32	0.37	86.49

TEST GRAPHS

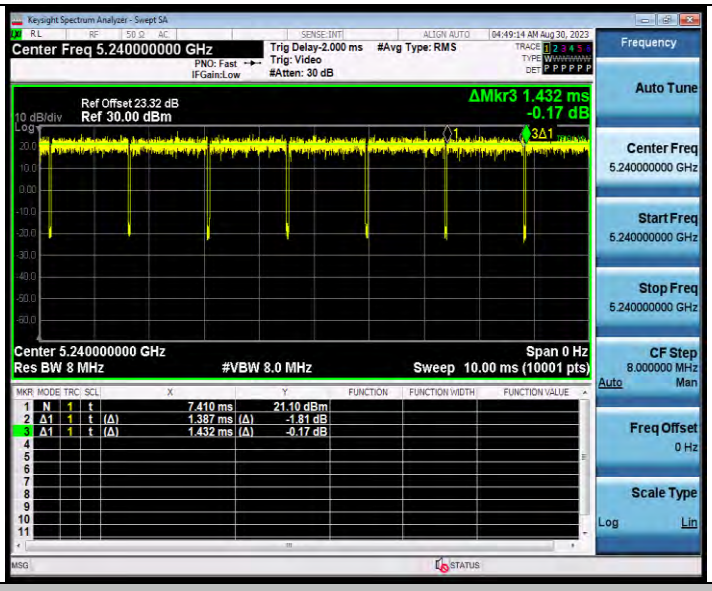
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



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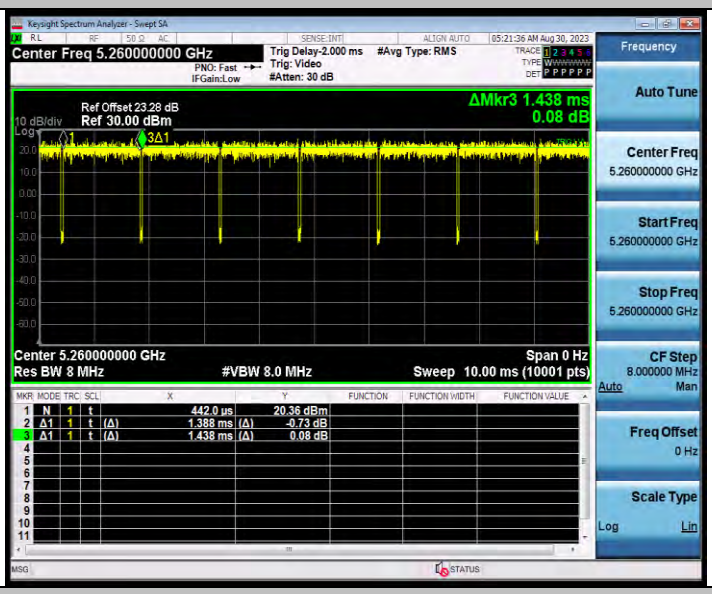
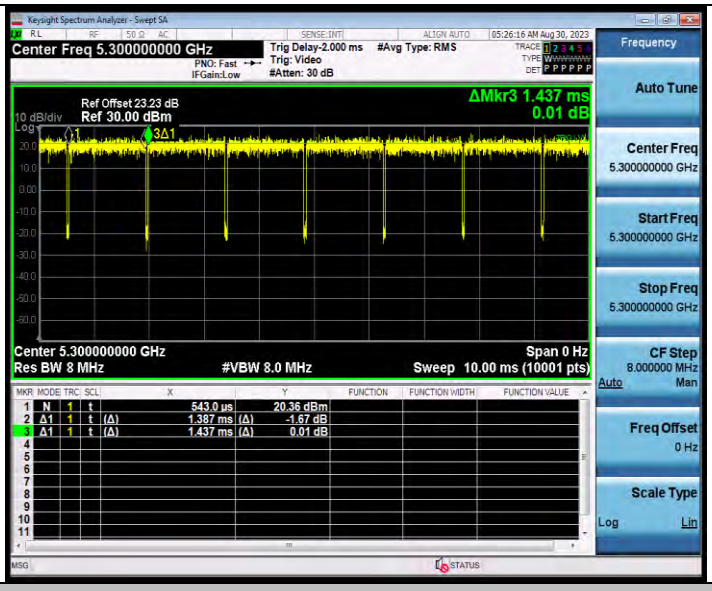
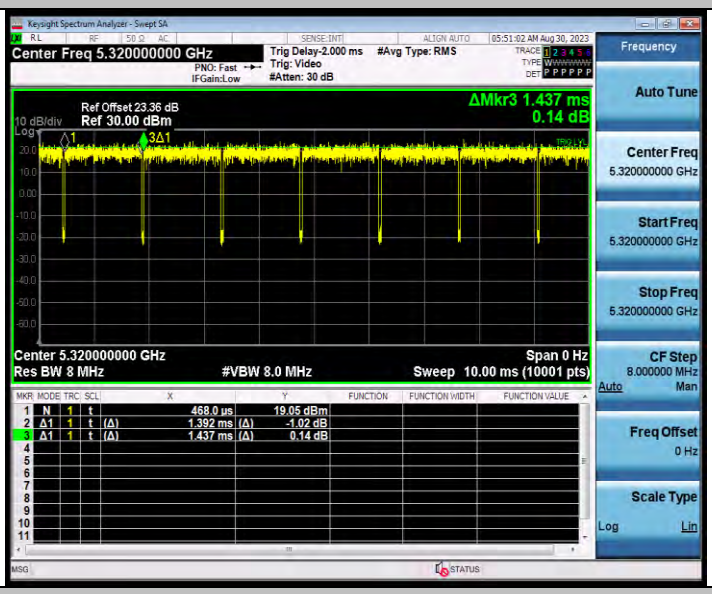


11A_Ant1_5300



11A_Ant1_5320



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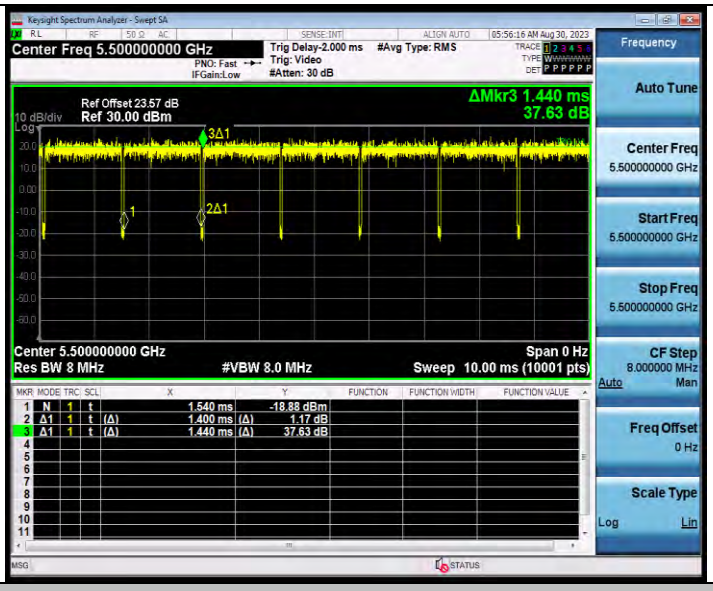
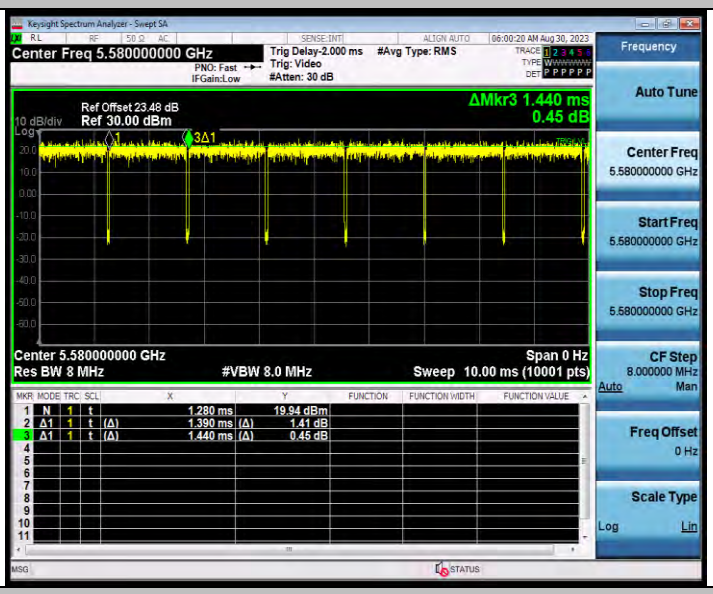
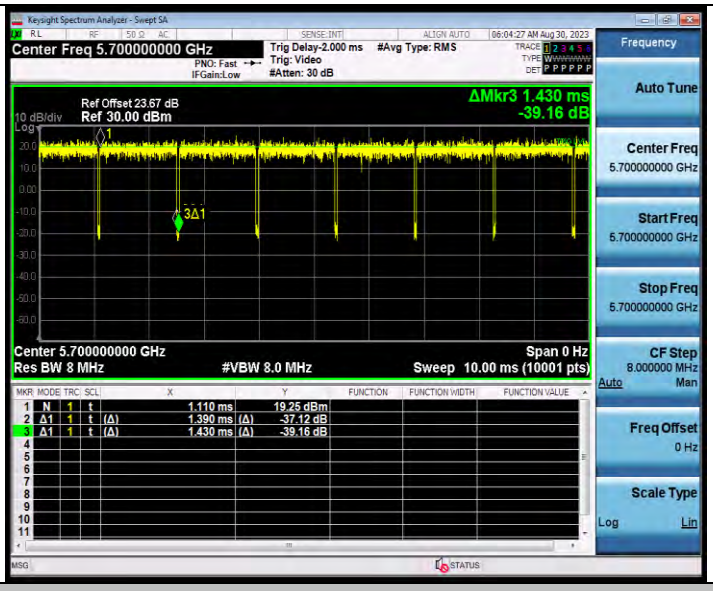


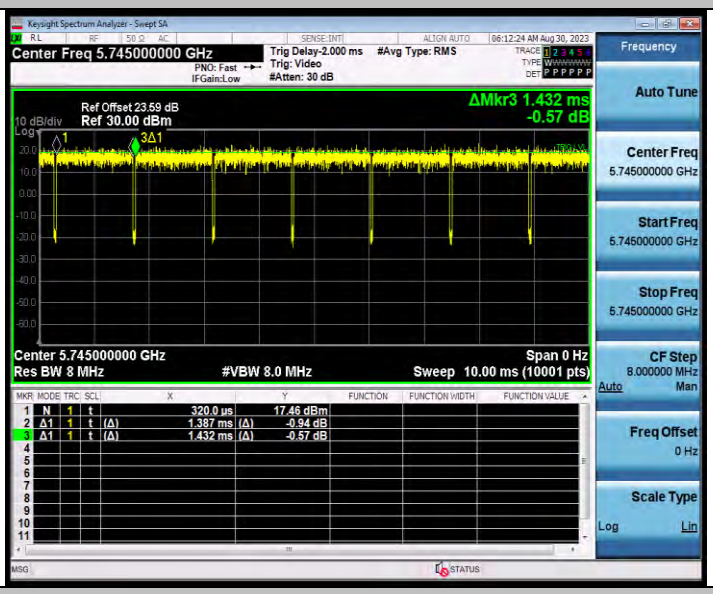
11A_Ant1_5580



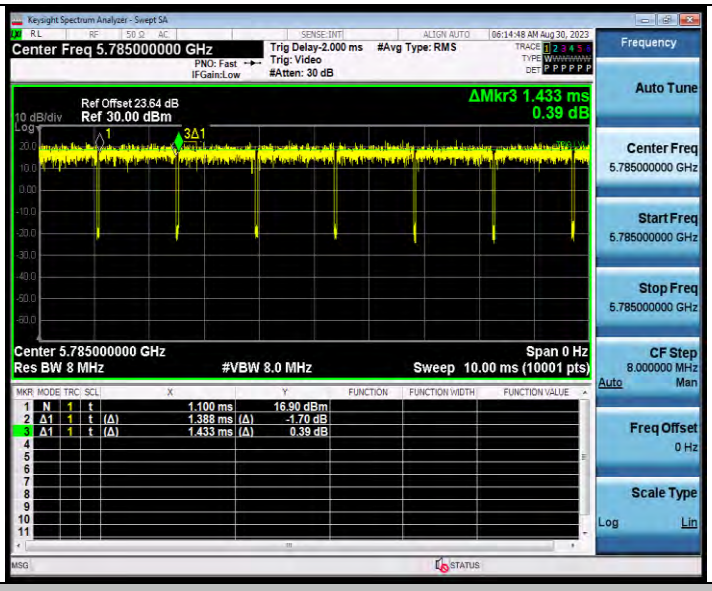
11A_Ant1_5700



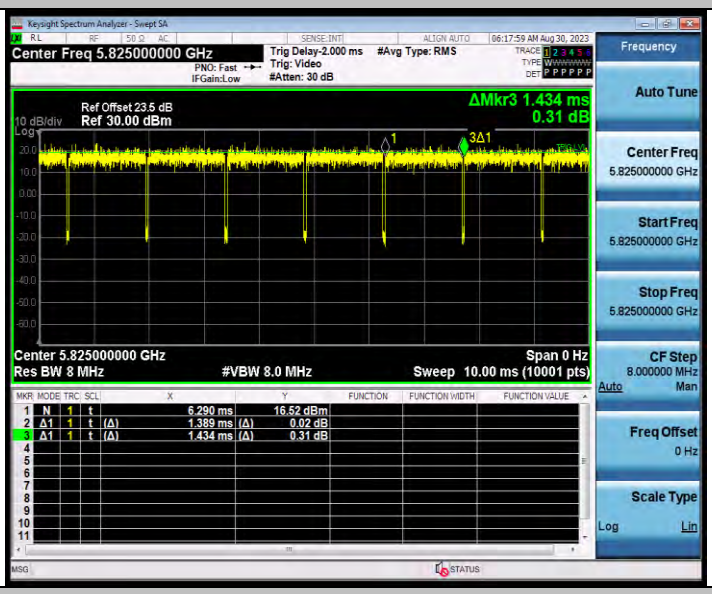
11A_Ant1_5745



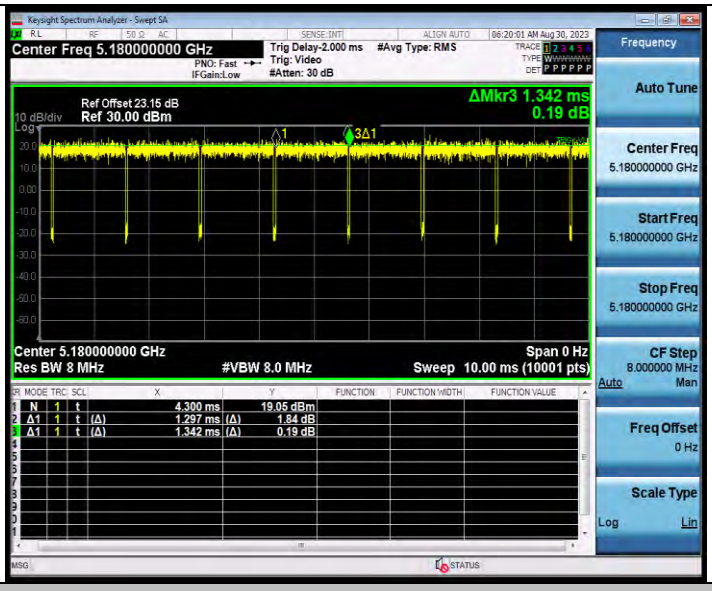
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



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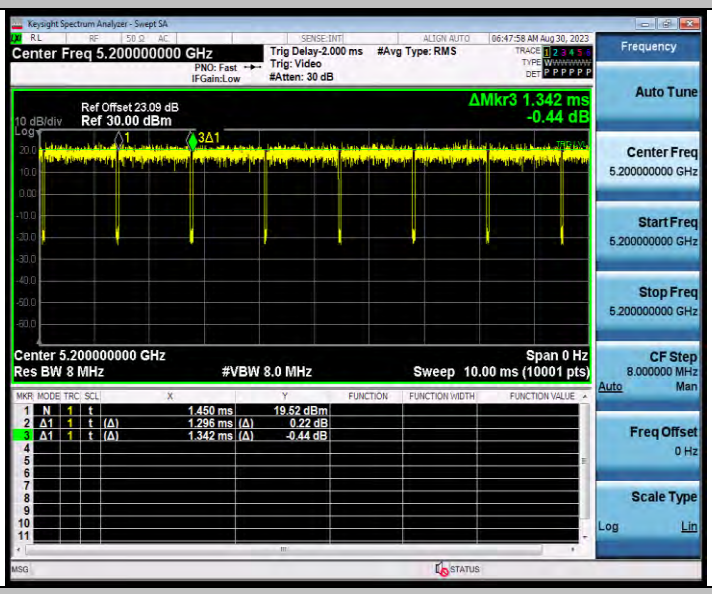

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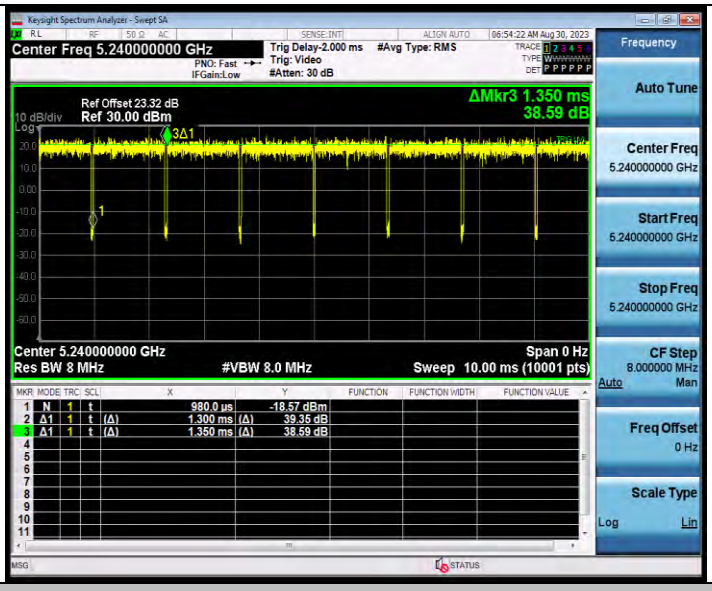

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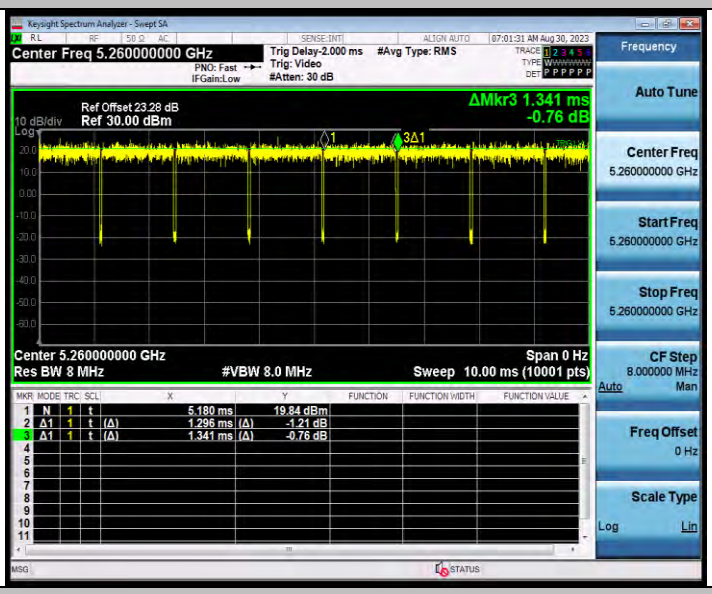
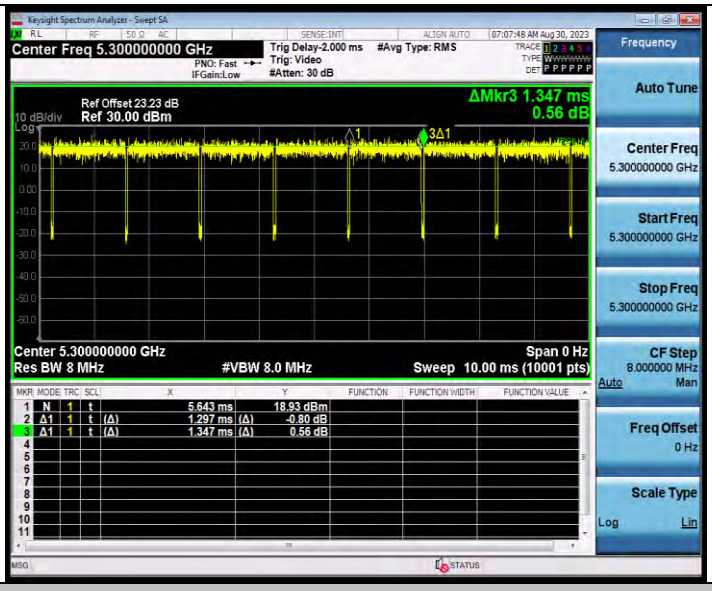


11N20SISO_Ant1_5300



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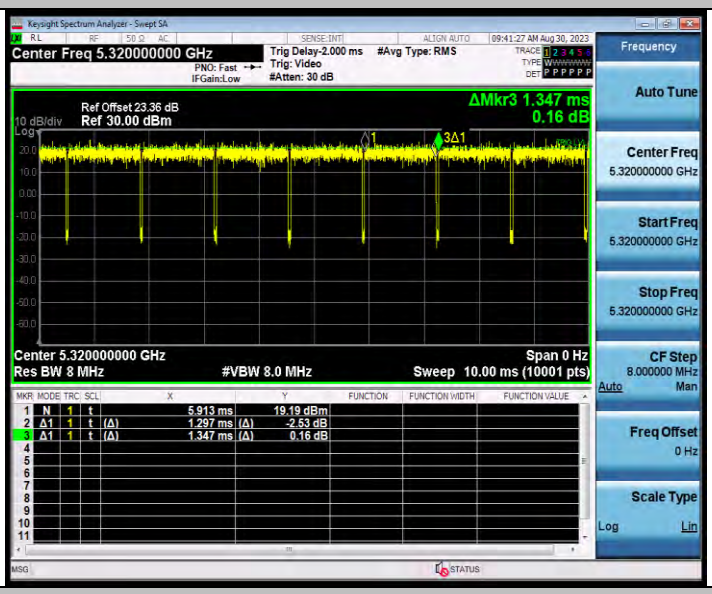

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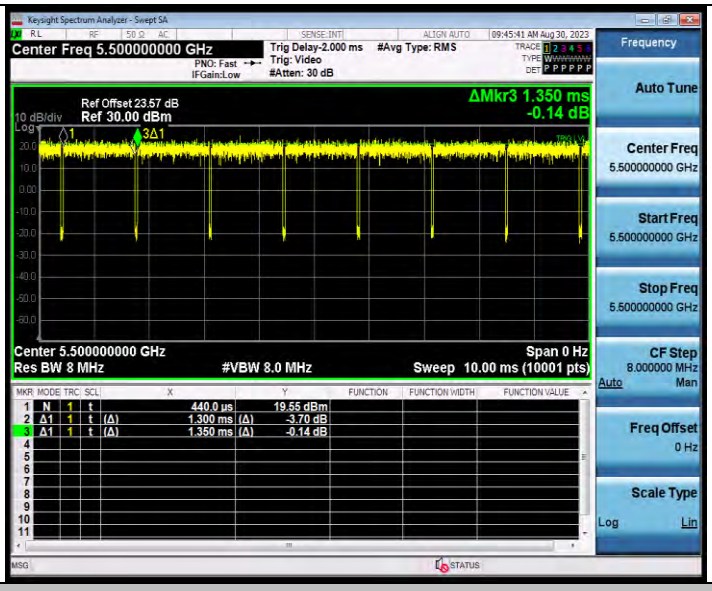

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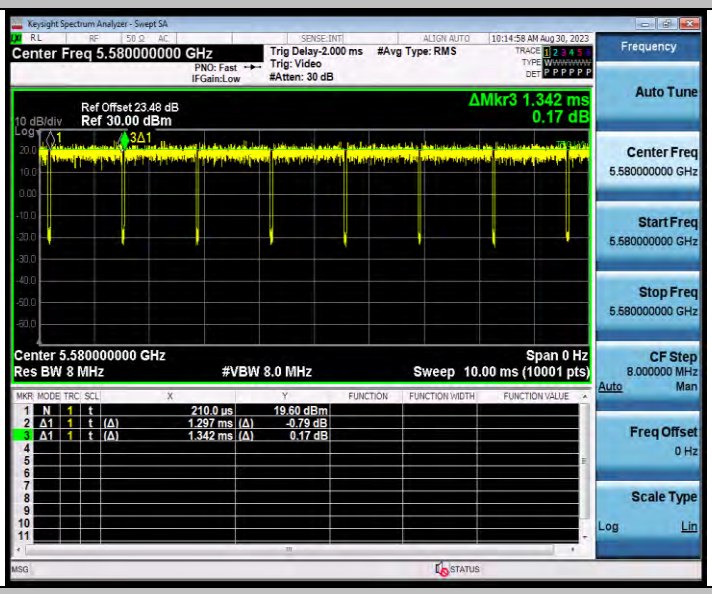

11N20SISO_Ant1_5700