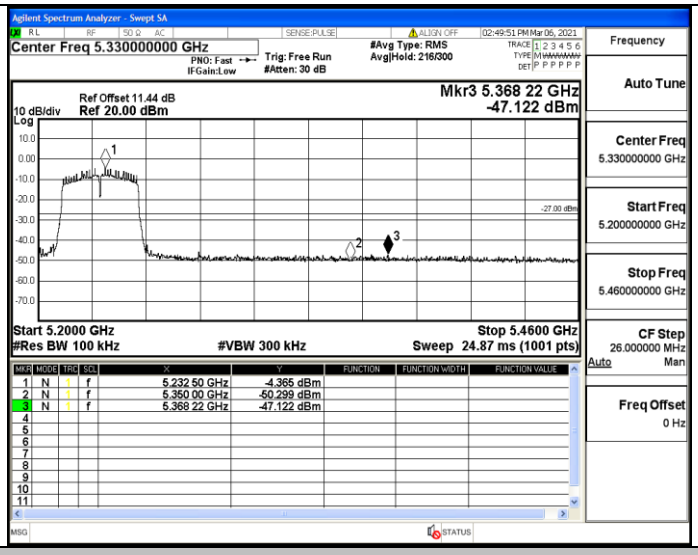
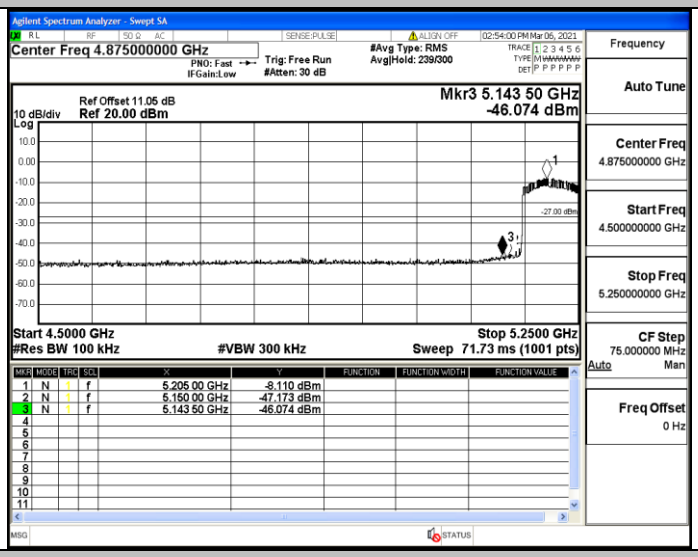
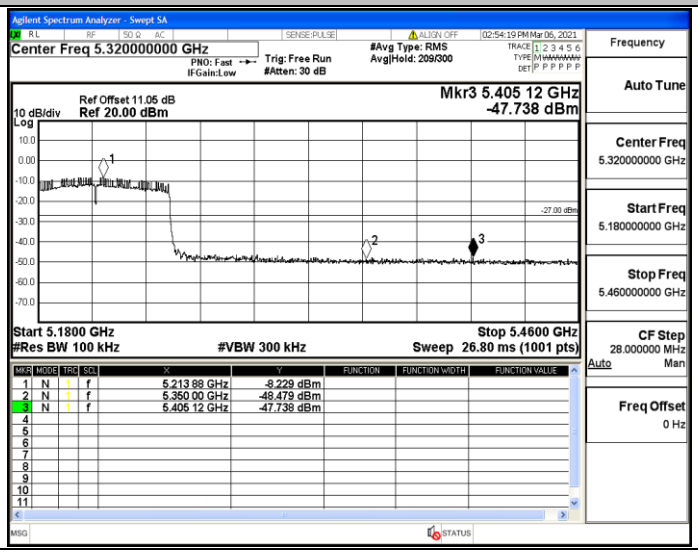


11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix G: Frequency Stability

Test Result

Ant 1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5180	20	132	5180.069870	5150 – 5250	PASS
5180	20	108	5180.075996	5150 – 5250	PASS
5180	50	120	5179.968164	5150 – 5250	PASS
5180	40	120	5179.955136	5150 – 5250	PASS
5180	30	120	5179.983240	5150 – 5250	PASS
5180	20	120	5180.068173	5150 – 5250	PASS
5180	10	120	5180.078290	5150 – 5250	PASS
5180	0	120	5179.920332	5150 – 5250	PASS
5180	-10	120	5179.908278	5150 – 5250	PASS
5180	-20	120	5180.000046	5150 – 5250	PASS
5180	-30	120	5180.098510	5150 – 5250	PASS

Ant 1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5200.066035	5150 – 5250	PASS
5200	20	108	5200.049230	5150 – 5250	PASS
5200	50	120	5199.985780	5150 – 5250	PASS
5200	40	120	5200.060559	5150 – 5250	PASS
5200	30	120	5200.095093	5150 – 5250	PASS
5200	20	120	5200.027991	5150 – 5250	PASS
5200	10	120	5200.003132	5150 – 5250	PASS
5200	0	120	5200.070785	5150 – 5250	PASS
5200	-10	120	5200.084352	5150 – 5250	PASS
5200	-20	120	5200.087516	5150 – 5250	PASS
5200	-30	120	5200.032735	5150 – 5250	PASS

Ant 1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5240.073621	5150 – 5250	PASS
5240	20	108	5240.078389	5150 – 5250	PASS
5240	50	120	5240.057282	5150 – 5250	PASS
5240	40	120	5240.097355	5150 – 5250	PASS
5240	30	120	5240.083772	5150 – 5250	PASS
5240	20	120	5240.037439	5150 – 5250	PASS
5240	10	120	5239.921911	5150 – 5250	PASS
5240	0	120	5240.019000	5150 – 5250	PASS
5240	-10	120	5240.062041	5150 – 5250	PASS
5240	-20	120	5239.952156	5150 – 5250	PASS
5240	-30	120	5240.041300	5150 – 5250	PASS

Ant 1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5189.934234	5150 – 5250	PASS
5190	20	108	5189.979665	5150 – 5250	PASS
5190	50	120	5190.085131	5150 – 5250	PASS
5190	40	120	5190.076168	5150 – 5250	PASS
5190	30	120	5190.021623	5150 – 5250	PASS
5190	20	120	5189.921775	5150 – 5250	PASS
5190	10	120	5189.935398	5150 – 5250	PASS
5190	0	120	5190.085862	5150 – 5250	PASS
5190	-10	120	5190.060068	5150 – 5250	PASS
5190	-20	120	5189.978893	5150 – 5250	PASS
5190	-30	120	5190.068796	5150 – 5250	PASS

Ant 1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5230.096936	5150 – 5250	PASS
5230	20	108	5229.943675	5150 – 5250	PASS
5230	50	120	5230.021250	5150 – 5250	PASS
5230	40	120	5229.944371	5150 – 5250	PASS
5230	30	120	5229.974696	5150 – 5250	PASS
5230	20	120	5229.940494	5150 – 5250	PASS
5230	10	120	5229.944598	5150 – 5250	PASS
5230	0	120	5230.068278	5150 – 5250	PASS
5230	-10	120	5230.061675	5150 – 5250	PASS
5230	-20	120	5230.037250	5150 – 5250	PASS
5230	-30	120	5230.033544	5150 – 5250	PASS

Ant 1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5209.975607	5150 – 5250	PASS
5210	20	108	5209.952957	5150 – 5250	PASS
5210	50	120	5210.013806	5150 – 5250	PASS
5210	40	120	5209.971055	5150 – 5250	PASS
5210	30	120	5210.010642	5150 – 5250	PASS
5210	20	120	5209.996500	5150 – 5250	PASS
5210	10	120	5210.021758	5150 – 5250	PASS
5210	0	120	5209.993769	5150 – 5250	PASS
5210	-10	120	5209.989278	5150 – 5250	PASS
5210	-20	120	5209.932106	5150 – 5250	PASS
5210	-30	120	5209.983665	5150 – 5250	PASS

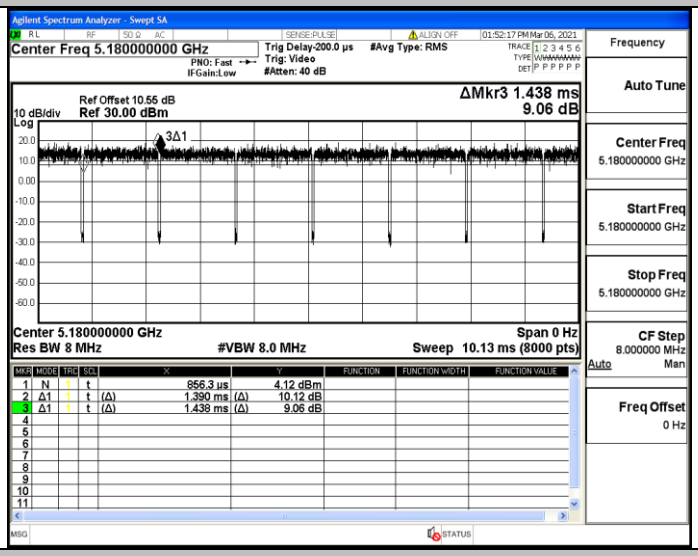
Appendix F: Duty Cycle

Test Result

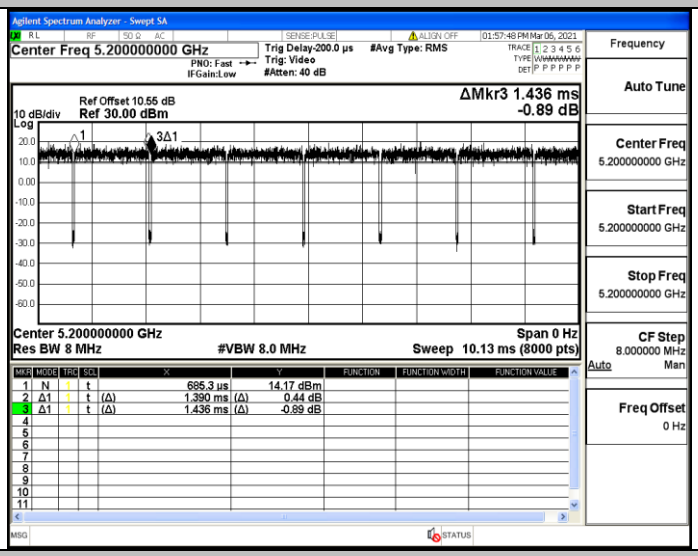
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.39	1.44	96.53
		5200	1.39	1.44	96.53
		5240	1.39	1.44	96.53
11N20SISO	Ant1	5180	1.30	1.35	96.30
		5200	1.30	1.35	96.30
		5240	1.30	1.35	96.30
11N40SISO	Ant1	5190	0.65	0.69	94.20
		5230	0.64	0.69	92.75
11AC20SISO	Ant1	5180	1.31	1.36	96.32
		5200	1.31	1.36	96.32
		5240	1.31	1.36	96.32
11AC40SISO	Ant1	5190	0.65	0.70	92.86
		5230	0.65	0.70	92.86
11AC80SISO	Ant1	5210	0.32	0.37	86.49

Test Graphs

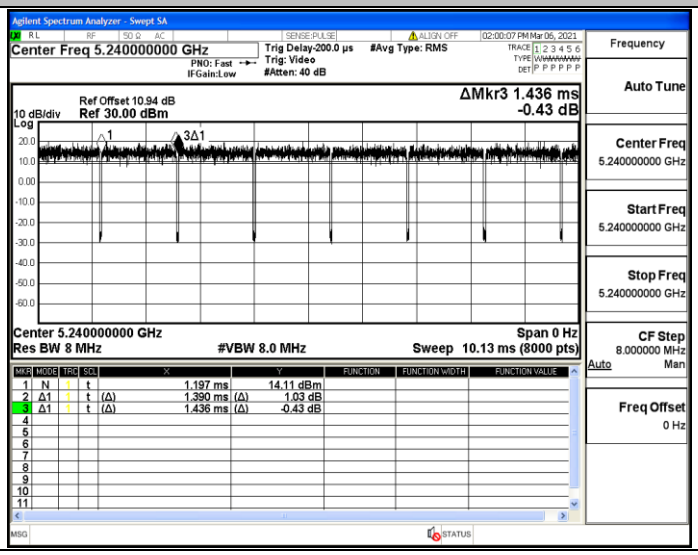
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



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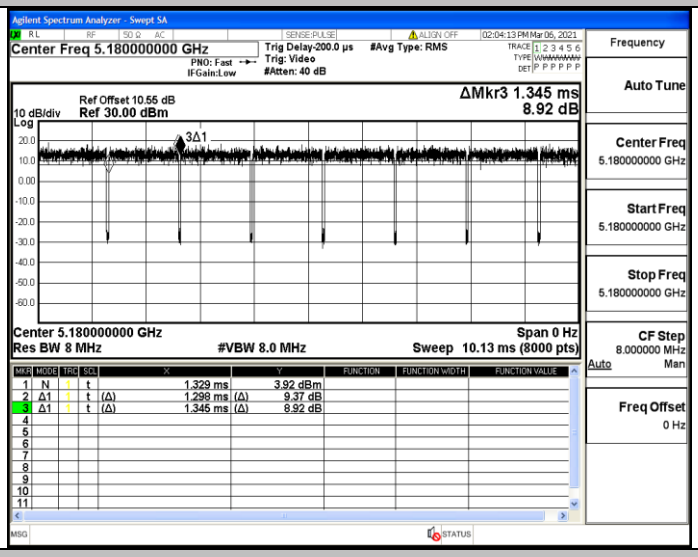
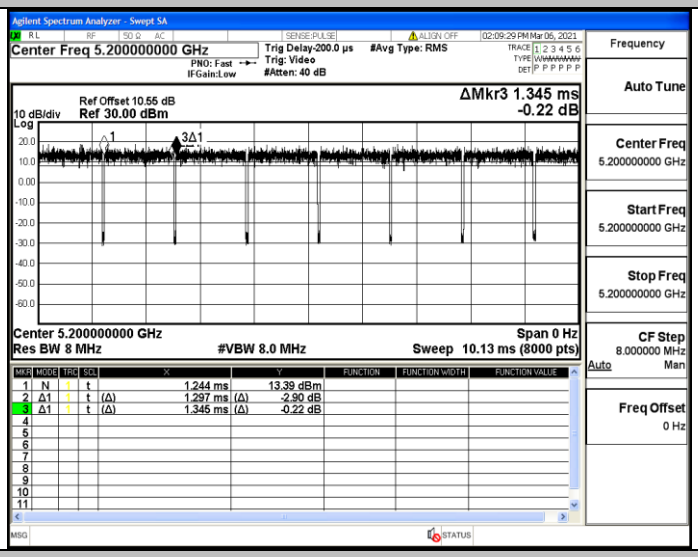


11N20SISO_Ant1_5200



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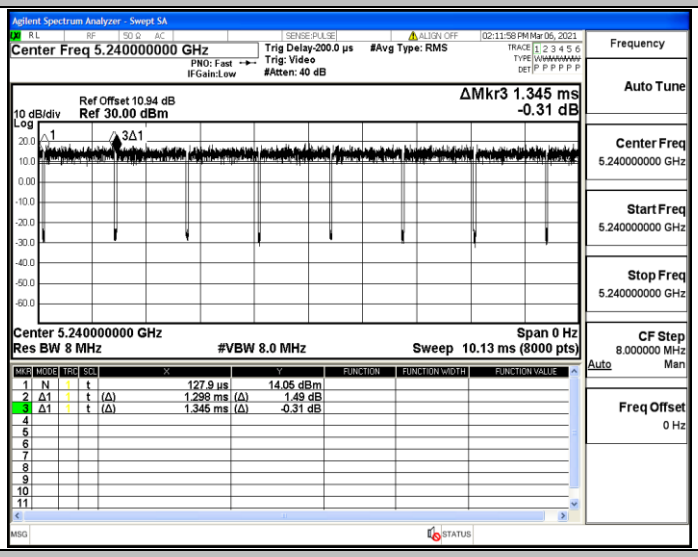

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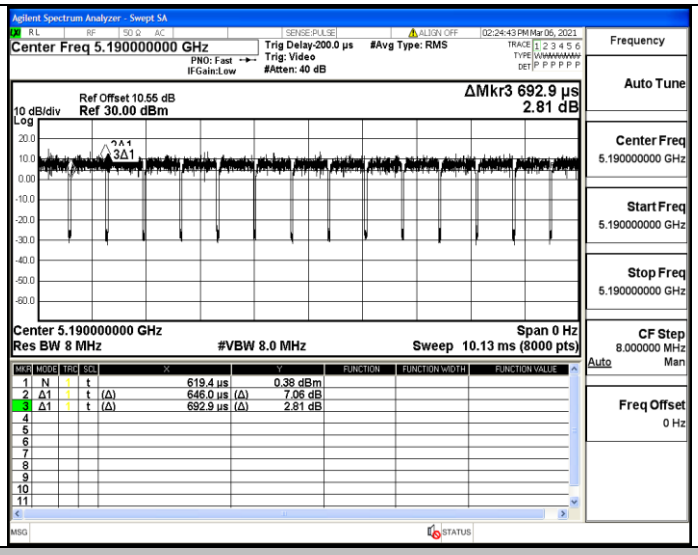

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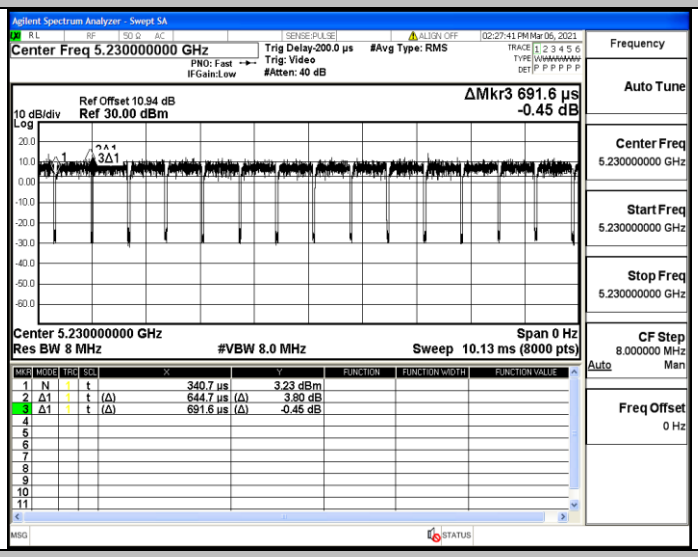

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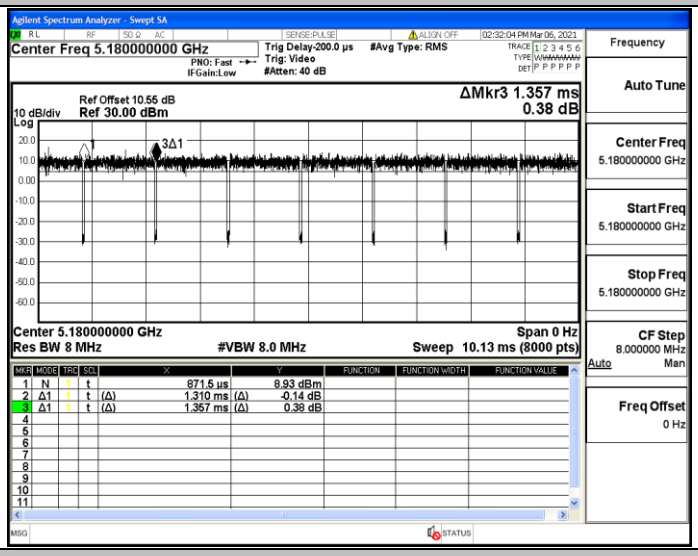

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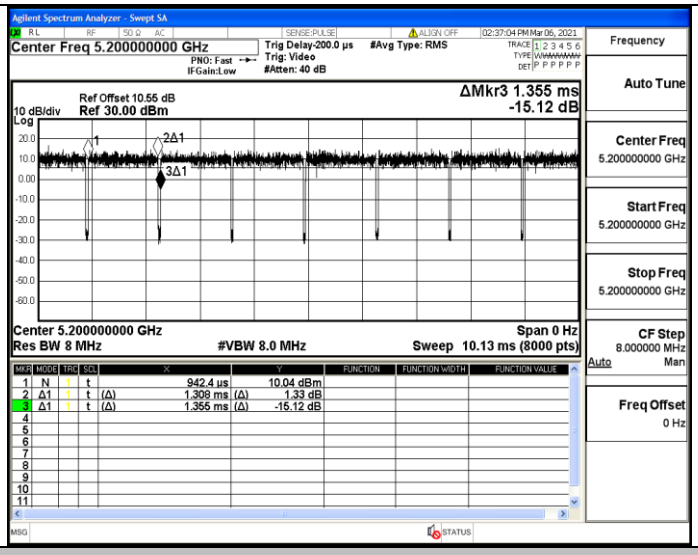

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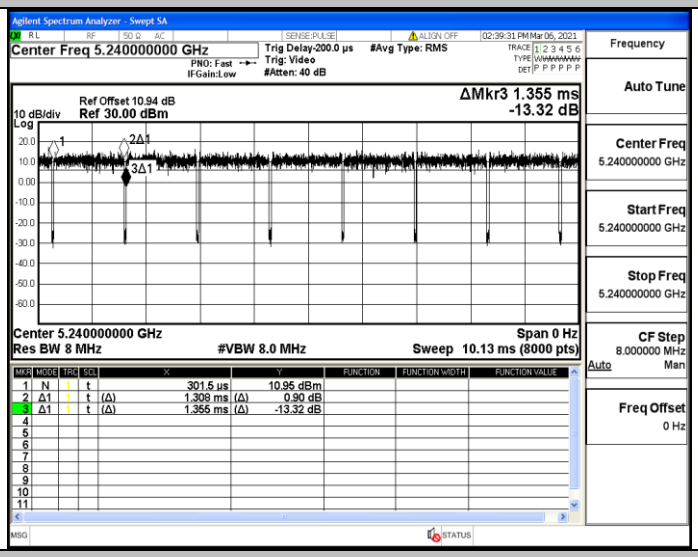

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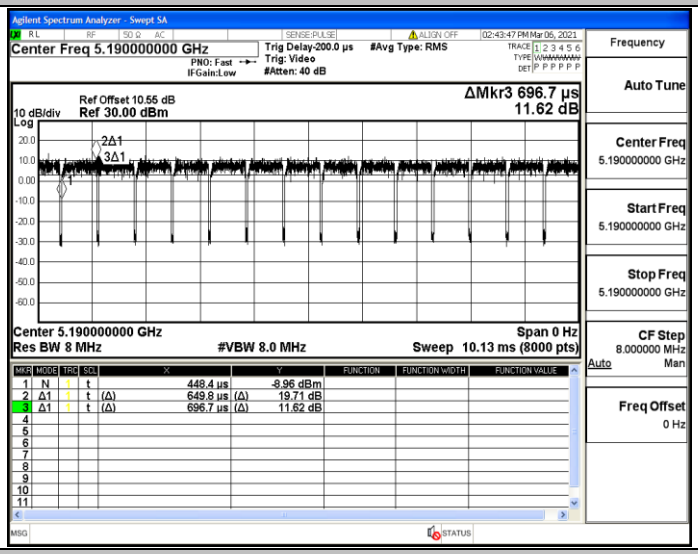

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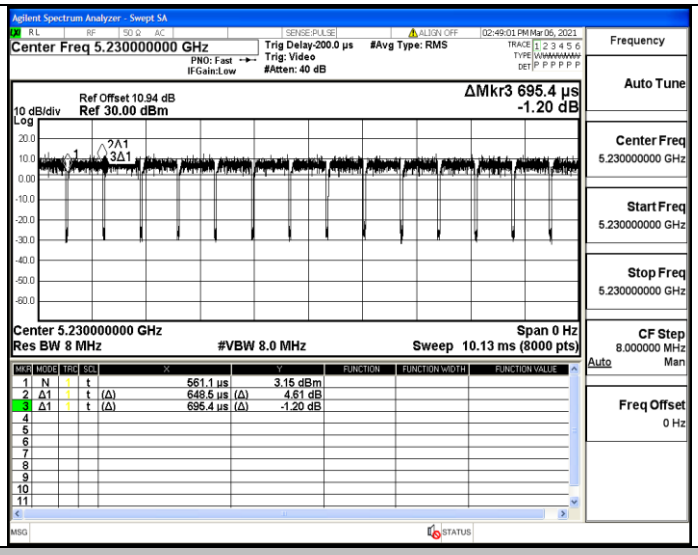
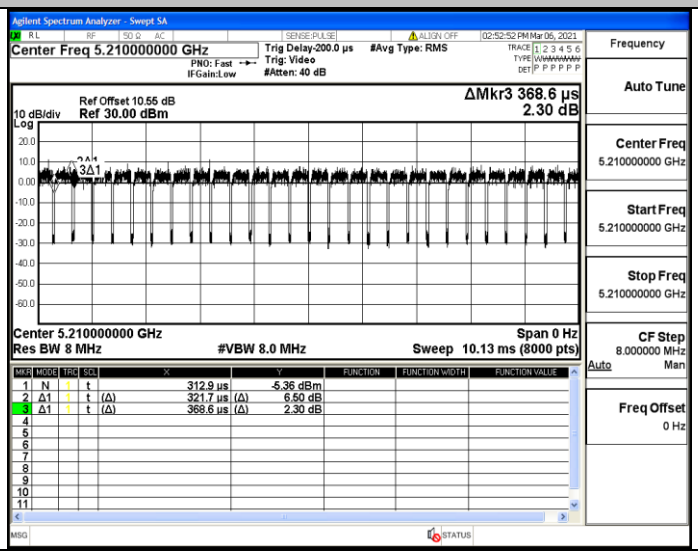


11AC80SISO_Ant1_5210



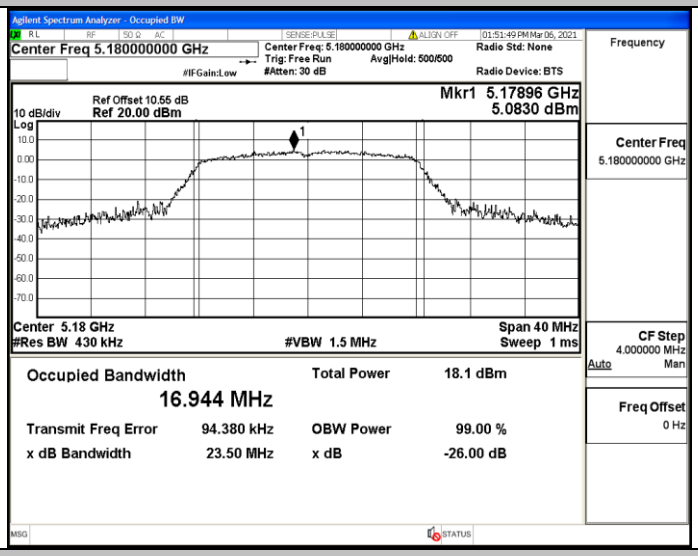
Appendix H: Occupied channel bandwidth

Test Result

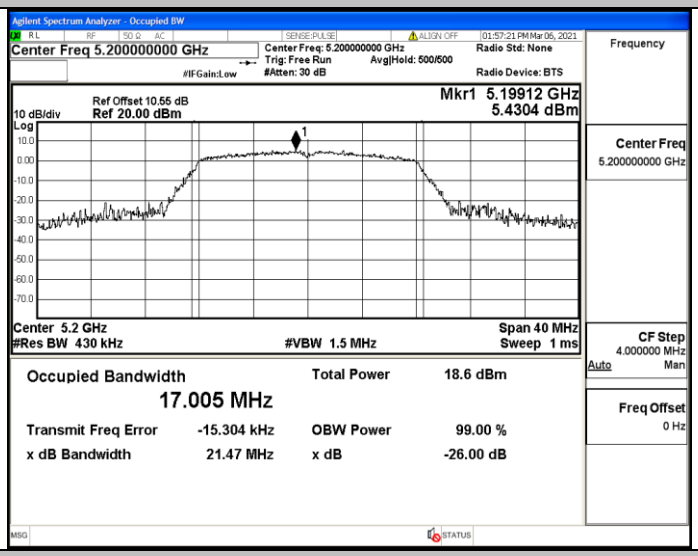
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.944	5171.622	5188.566	---	PASS
		5200	17.005	5191.482	5208.487	---	PASS
		5240	16.892	5231.589	5248.481	---	PASS
11N20SISO	Ant1	5180	18.045	5171.079	5189.124	---	PASS
		5200	17.974	5190.989	5208.963	---	PASS
		5240	17.885	5231.070	5248.955	---	PASS
11N40SISO	Ant1	5190	36.086	5172.046	5208.132	---	PASS
		5230	36.219	5211.973	5248.192	---	PASS
11AC20SISO	Ant1	5180	17.831	5171.171	5189.002	---	PASS
		5200	17.841	5191.057	5208.898	---	PASS
		5240	17.806	5231.145	5248.951	---	PASS
11AC40SISO	Ant1	5190	36.025	5172.104	5208.129	---	PASS
		5230	36.187	5212.021	5248.208	---	PASS
11AC80SISO	Ant1	5210	75.051	5172.759	5247.810	---	PASS

Test Graphs

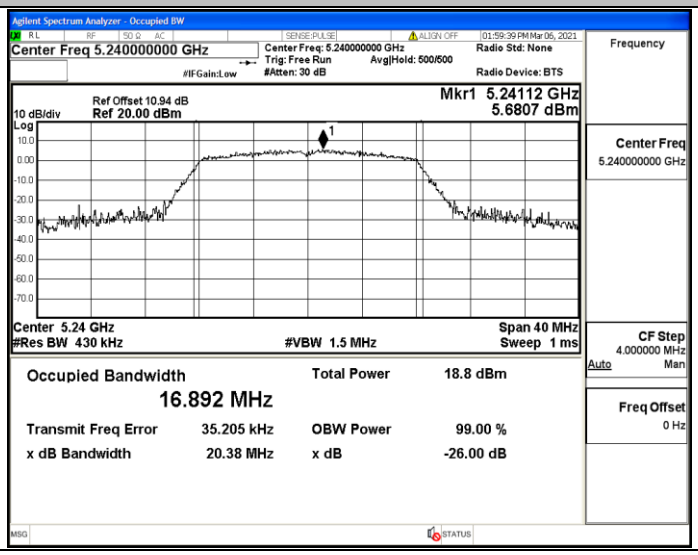
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



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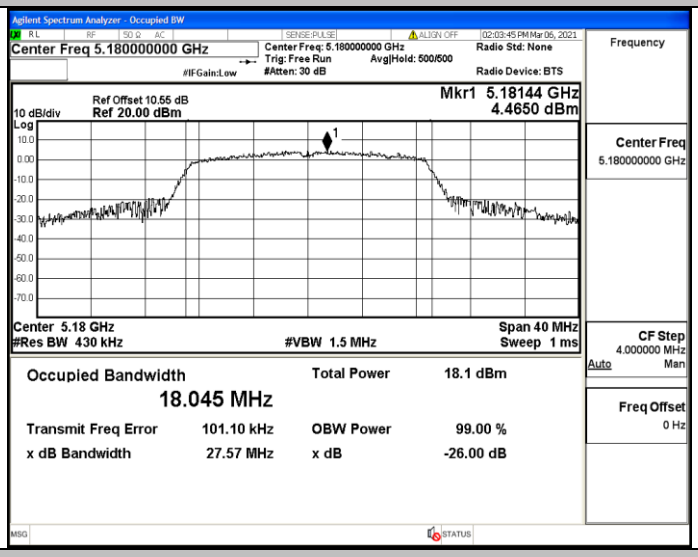

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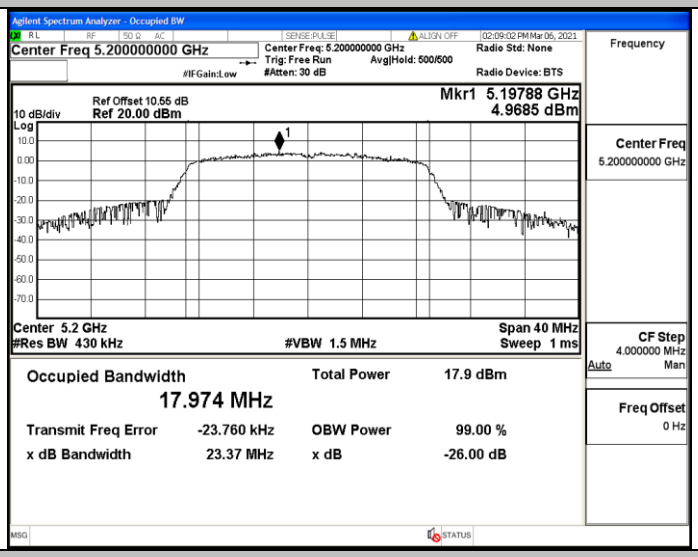

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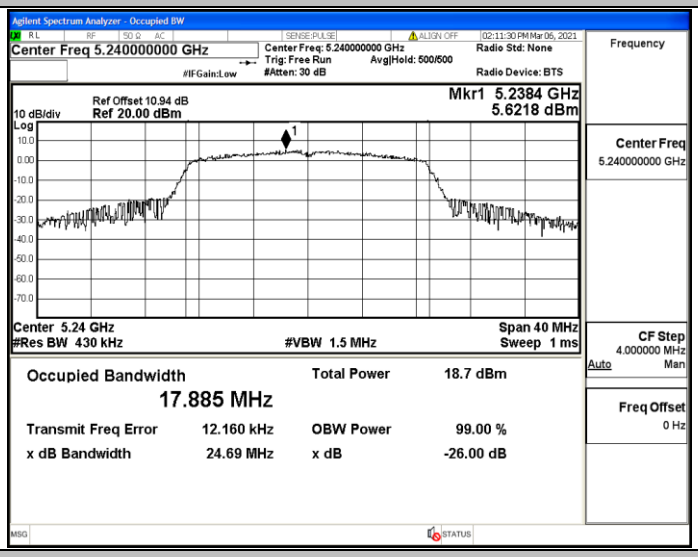
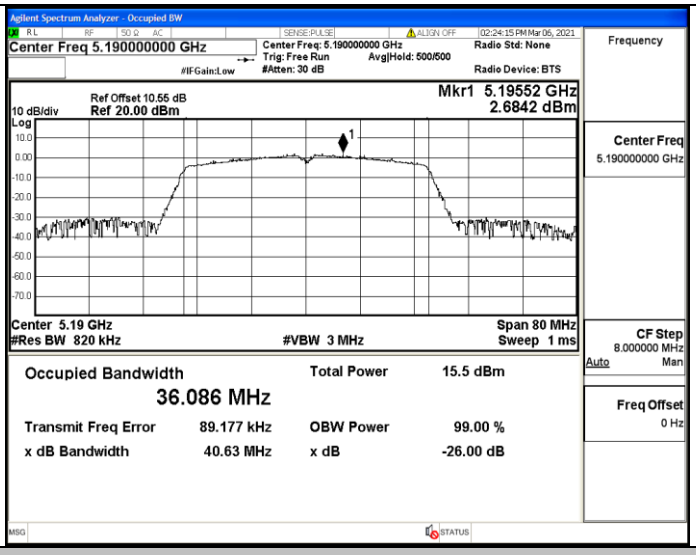


11N40SISO_Ant1_5190



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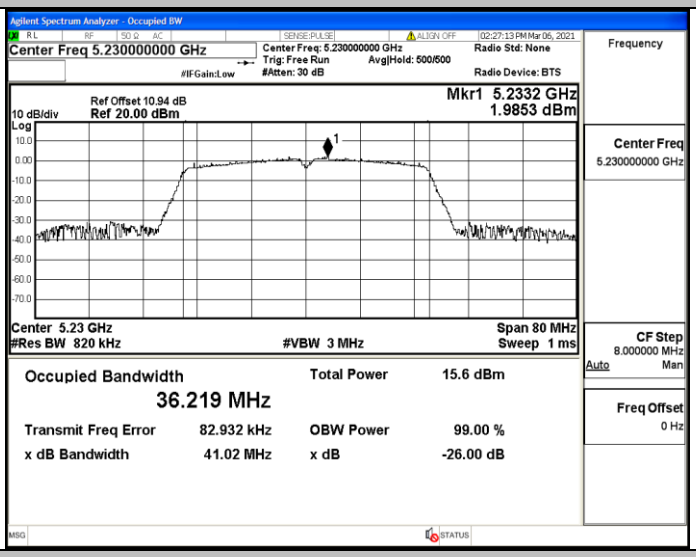

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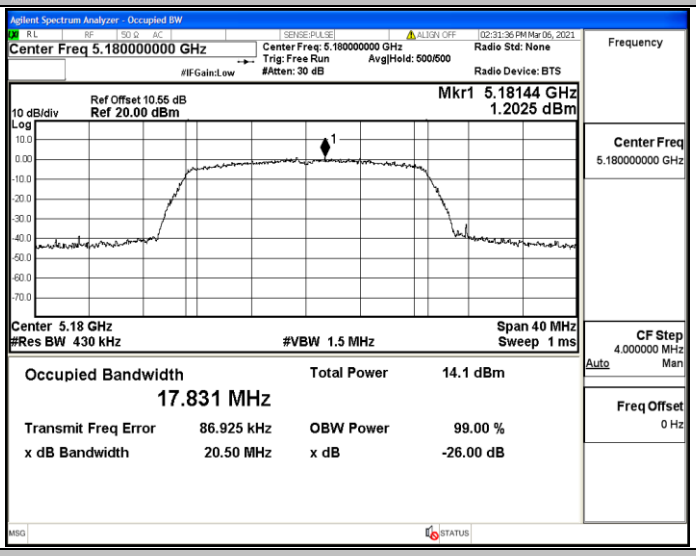
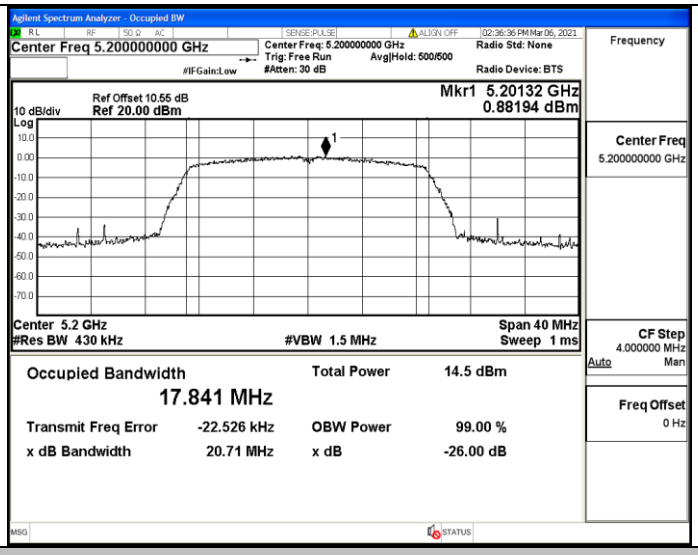


11AC20SISO_Ant1_5200



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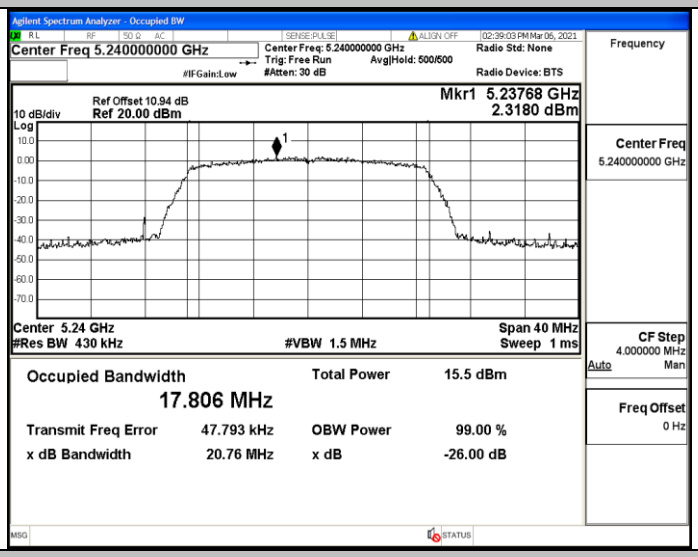

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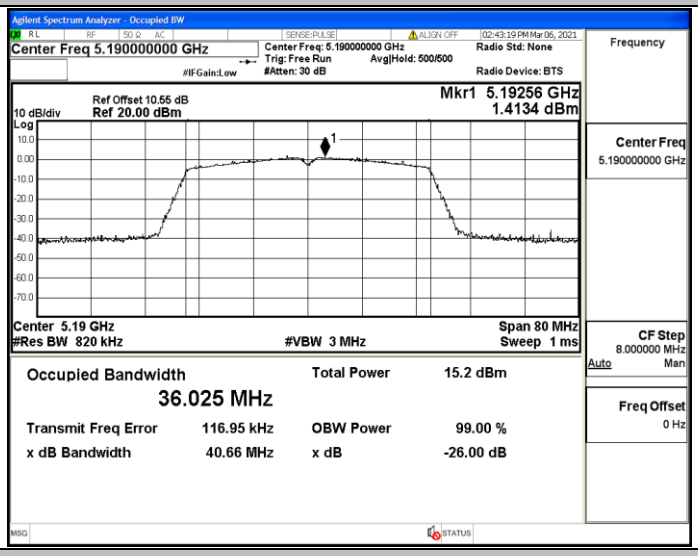

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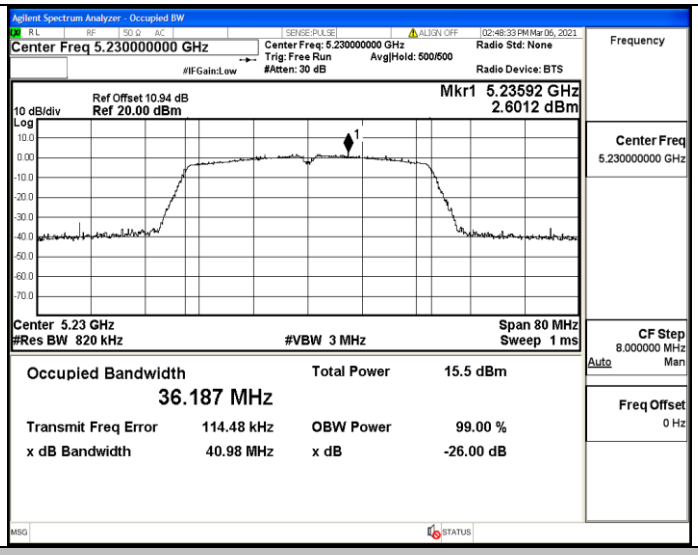
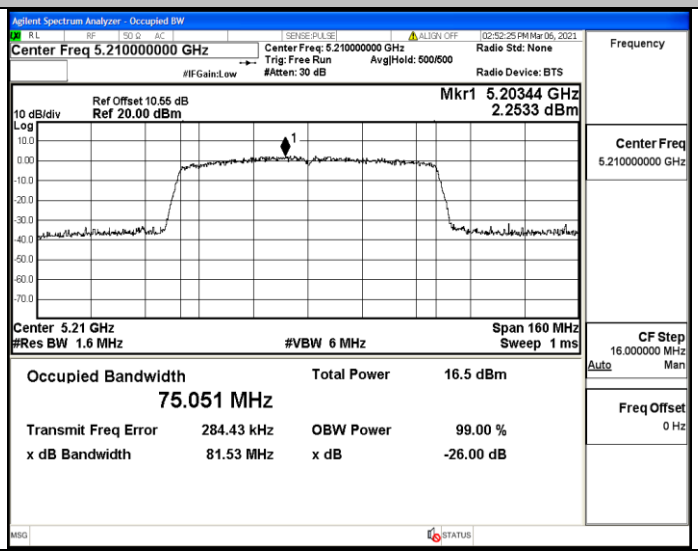
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