Appendix C): Maximum Conduct Output Power

Result Table

Test Mode	Antenna	Channel	Meas.Level [dBm]	Av.Power [dBm]	Verdict
11A	Ant1	5180	7.18	9.24	PASS
11A	Ant1	5200	7.97	10.03	PASS
11A	Ant1	5240	8.63	10.69	PASS
11A	Ant1	5260	9.38	11.44	PASS
11A	Ant1	5280	9.97	12.03	PASS
11A	Ant1	5320	9.92	11.98	PASS
11A	Ant1	5500	8.3	10.36	PASS
11A	Ant1	5580	8.31	10.37	PASS
11A	Ant1	5700	8.97	11.03	PASS
11A	Ant1	5745	8.17	10.23	PASS
11A	Ant1	5785	7.03	9.09	PASS
11A	Ant1	5825	6.73	8.79	PASS
11N20SISO	Ant1	5180	8.94	9.27	PASS
11N20SISO	Ant1	5200	9.47	9.81	PASS
11N20SISO	Ant1	5240	10.14	10.47	PASS
11N20SISO	Ant1	5260	10.97	11.31	PASS
11N20SISO	Ant1	5280	11.32	11.65	PASS
11N20SISO	Ant1	5320	11.43	11.76	PASS
11N20SISO	Ant1	5500	9.85	10.18	PASS
11N20SISO	Ant1	5580	10.05	10.38	PASS
11N20SISO	Ant1	5700	10.34	10.67	PASS
11N20SISO	Ant1	5745	9.66	10	PASS
11N20SISO	Ant1	5785	8.93	9.26	PASS
11N20SISO	Ant1	5825	8.69	9.02	PASS
11N40SISO	Ant1	5190	8.54	9.19	PASS
11N40SISO	Ant1	5230	9.37	10.02	PASS
11N40SISO	Ant1	5270	10.82	11.47	PASS
11N40SISO	Ant1	5310	10.98	11.63	PASS
11N40SISO	Ant1	5510	9.66	10.31	PASS
11N40SISO	Ant1	5550	9.32	9.97	PASS
11N40SISO	Ant1	5670	9.95	10.6	PASS
11N40SISO	Ant1	5755	9.08	9.73	PASS
11N40SISO	Ant1	5795	8.22	8.87	PASS
11AC20SISO	Ant1	5180	8.92	9.25	PASS
11AC20SISO	Ant1	5200	9.28	9.61	PASS
11AC20SISO	Ant1	5240	10.16	10.49	PASS
11AC20SISO	Ant1	5260	10.97	11.3	PASS
11AC20SISO	Ant1	5280	11.53	11.86	PASS
11AC20SISO	Ant1	5320	11.5	11.83	PASS
11AC20SISO	Ant1	5500	10.03	10.36	PASS
11AC20SISO	Ant1	5580	10.02	10.35	PASS
11AC20SISO	Ant1	5700	10.64	10.97	PASS

11AC20SISO	Ant1	5745	9.94	10.27	PASS
11AC20SISO	Ant1	5785	8.81	9.14	PASS
11AC20SISO	Ant1	5825	8.62	8.95	PASS
11AC40SISO	Ant1	5190	8.52	9.17	PASS
11AC40SISO	Ant1	5230	9.13	9.78	PASS
11AC40SISO	Ant1	5270	10.74	11.39	PASS
11AC40SISO	Ant1	5310	11.07	11.72	PASS
11AC40SISO	Ant1	5510	9.46	10.11	PASS
11AC40SISO	Ant1	5550	9.4	10.05	PASS
11AC40SISO	Ant1	5670	10.37	11.02	PASS
11AC40SISO	Ant1	5755	9.46	10.11	PASS
11AC40SISO	Ant1	5795	8.35	9	PASS
11AC80SISO	Ant1	5210	9.05	10.27	PASS
11AC80SISO	Ant1	5290	11.09	12.31	PASS
11AC80SISO	Ant1	5530	9.75	10.97	PASS
11AC80SISO	Ant1	5775	8.85	10.07	PASS

Remark: According KDB789033 D02, If continuous transmission cannot be achieved the 10 log (1/duty cycle) should be add.

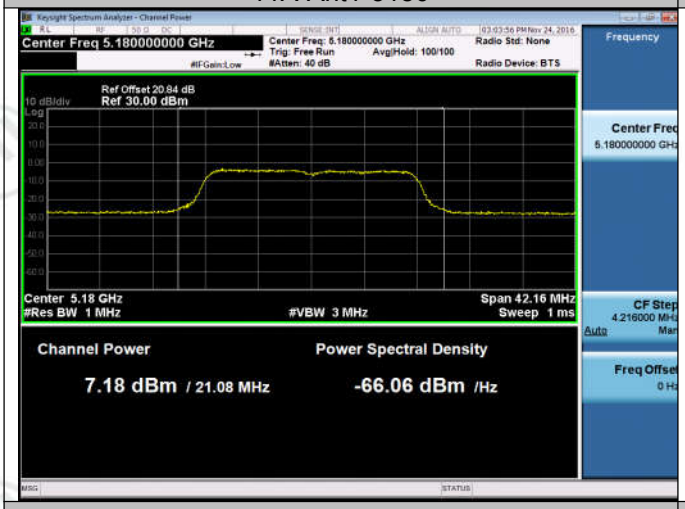
Av.Power=Meas.Level+10 log (1/duty cycle)

Duty Cycle value in report Appendix A, Meas.Level value in report Appendix C,

For band 1, MCS0 mode, 802.11a channel 36:5180MHz, Duty Cycle value is 62.16x0.01=0.6216, Meas.Level value is 7.18dBm, Av.Power=7.18+10 log (1/0.6216) =9.24dBm

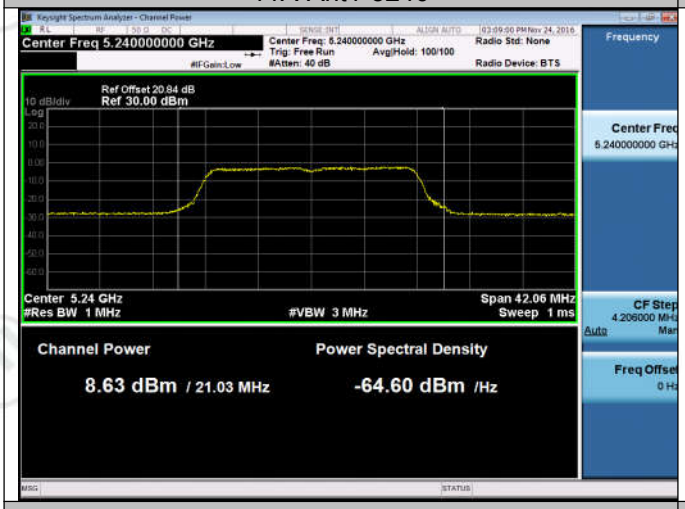
Test Graph

11A-Ant1-5180



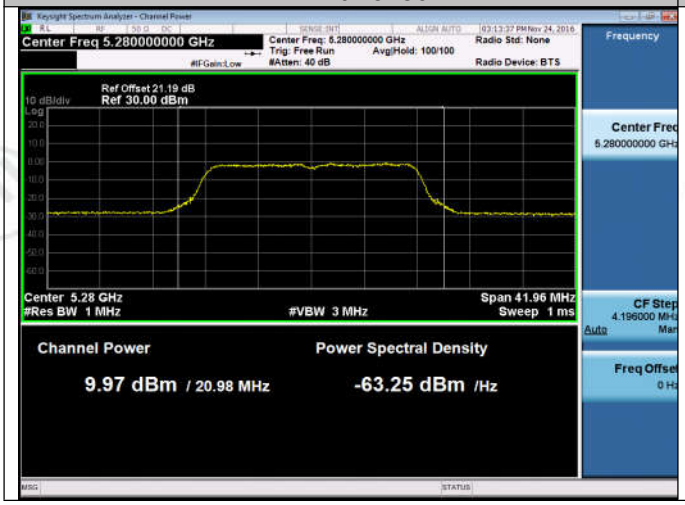
11A-Ant1-5200

11A-Ant1-5240



11A-Ant1-5260

11A-Ant1-5280



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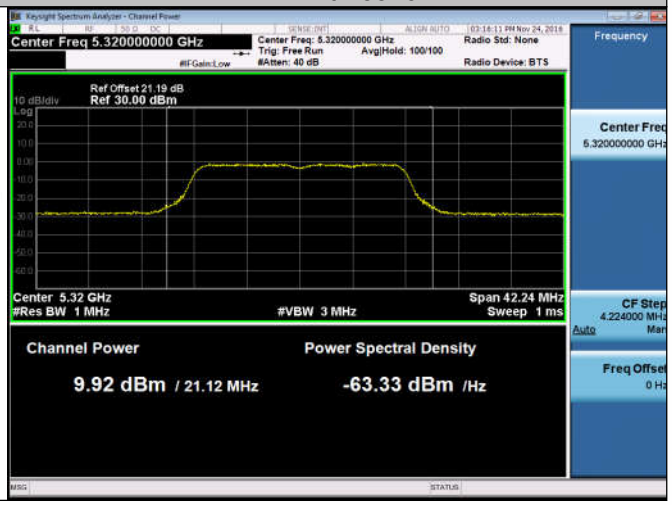

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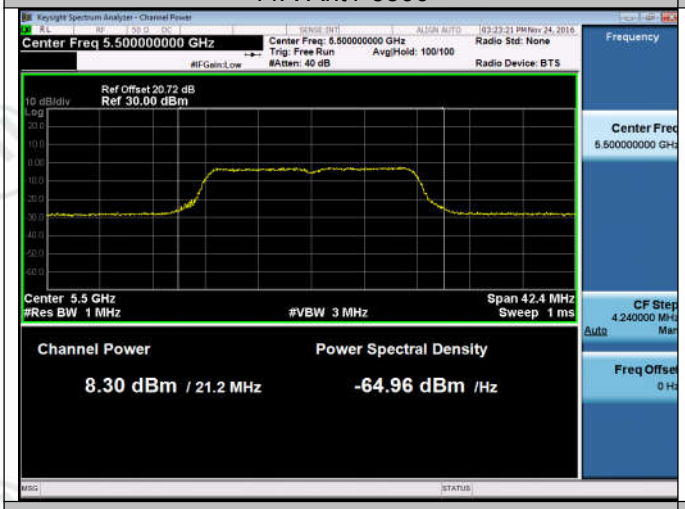
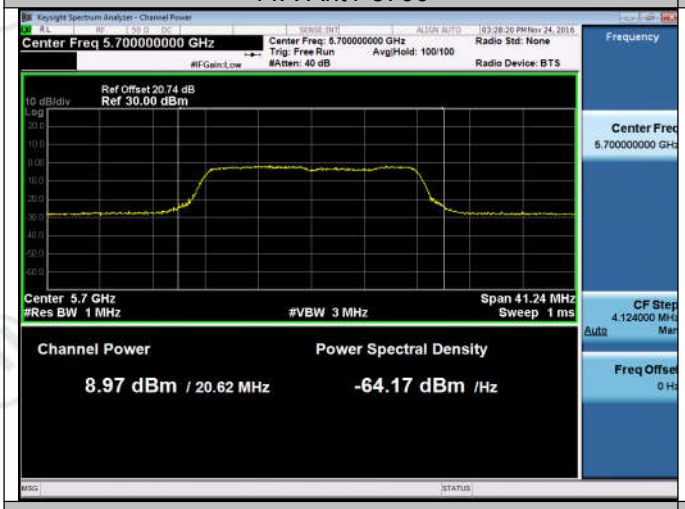


11A-Ant1-5580

11A-Ant1-5700



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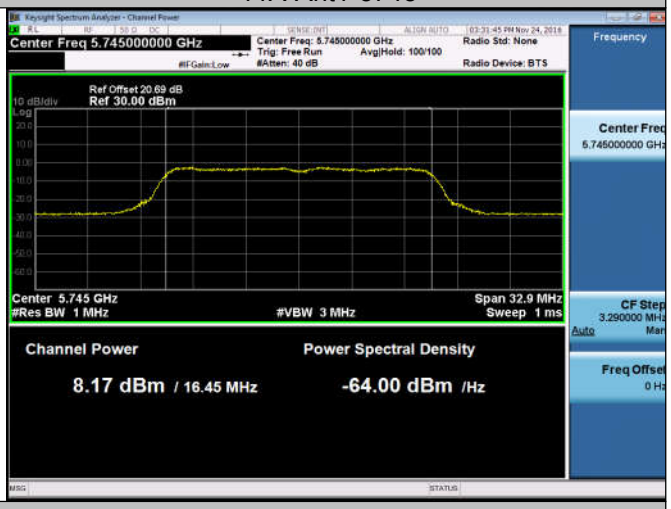
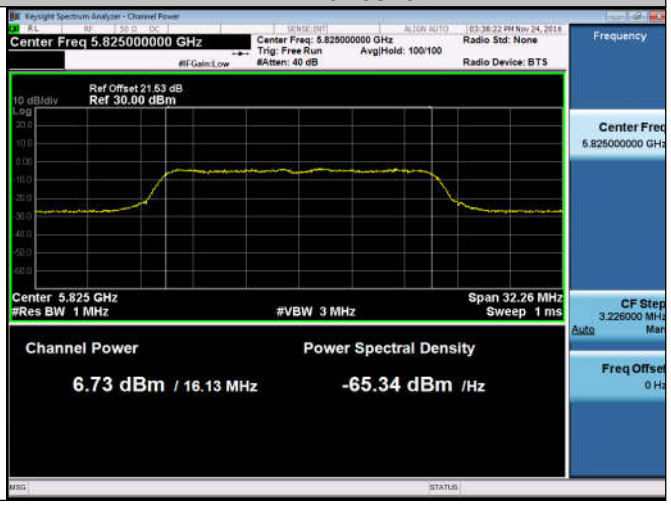
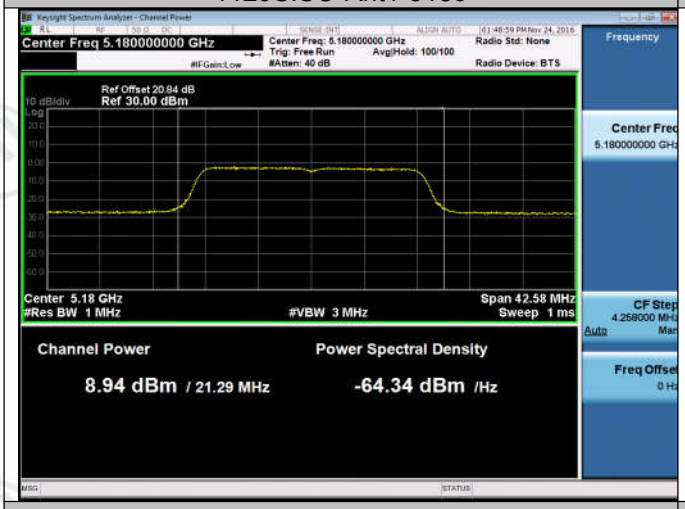


11A-Ant1-5785

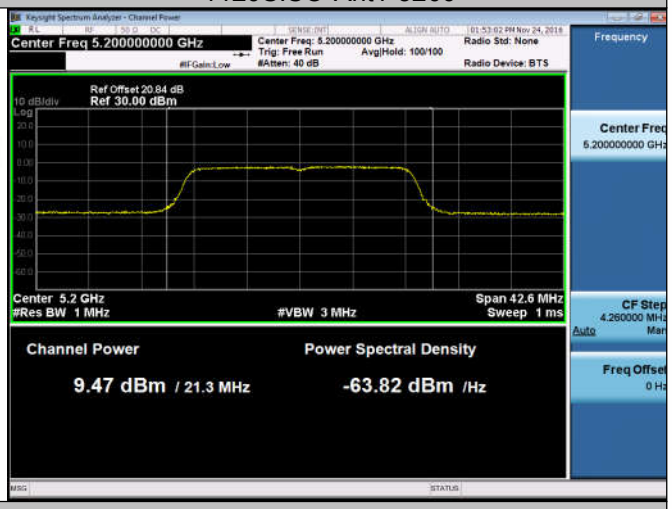
11A-Ant1-5825



1120SISO-Ant1-5180



1120SISO-Ant1-5200



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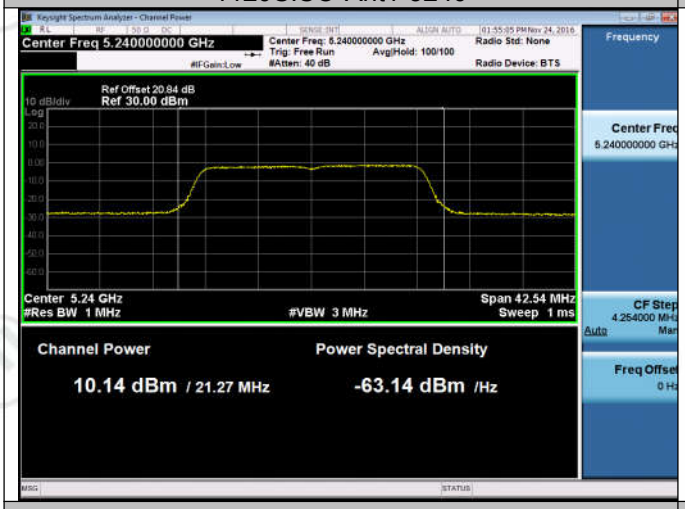
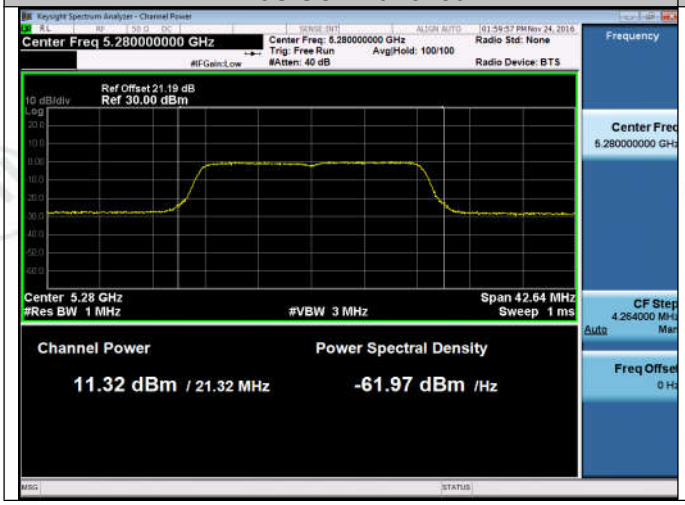


1120SISO-Ant1-5260

1120SISO-Ant1-5280



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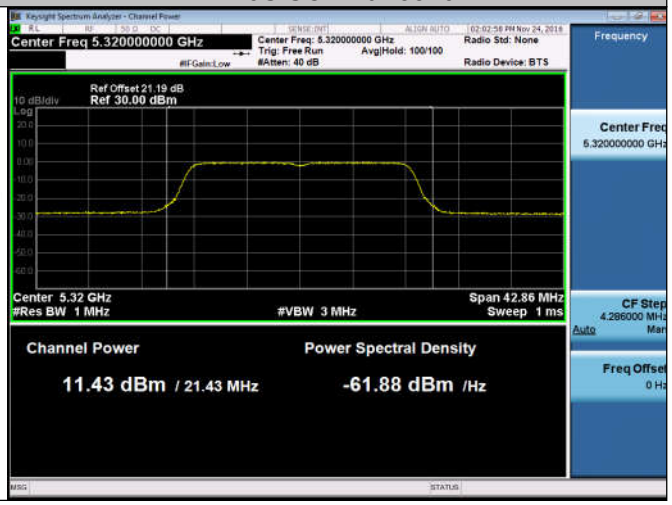

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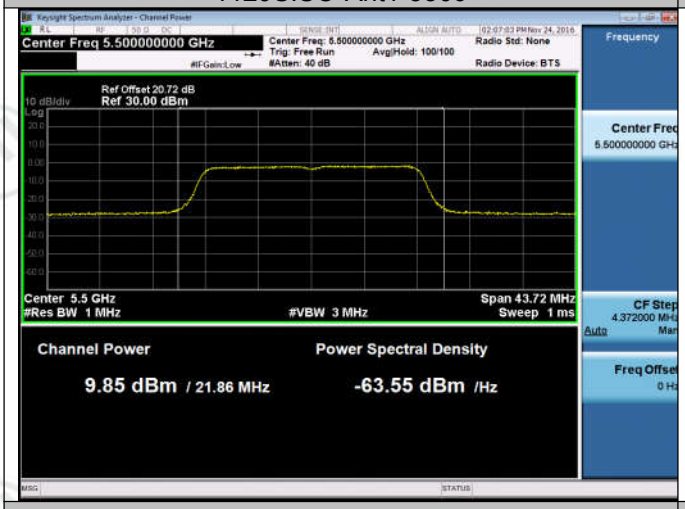
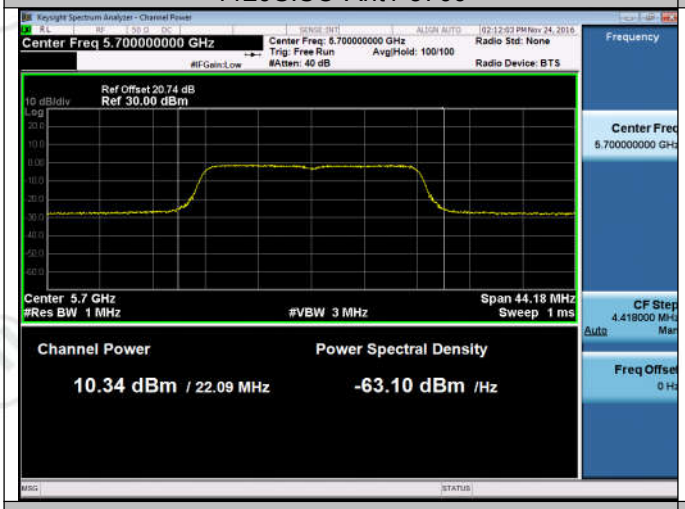


1120SISO-Ant1-5580

1120SISO-Ant1-5700



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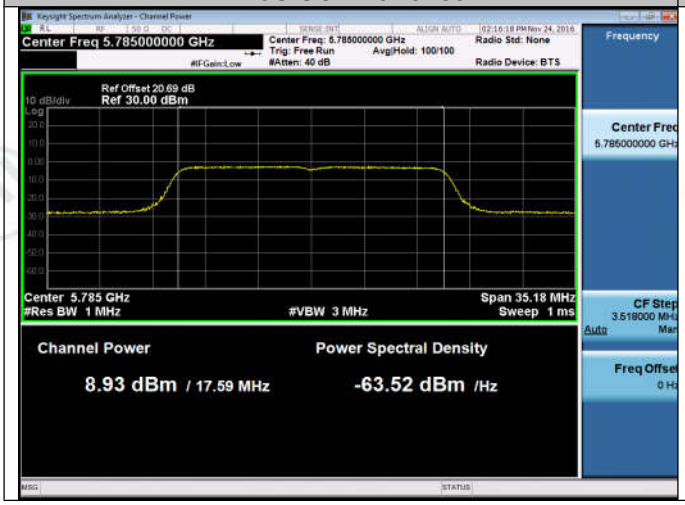
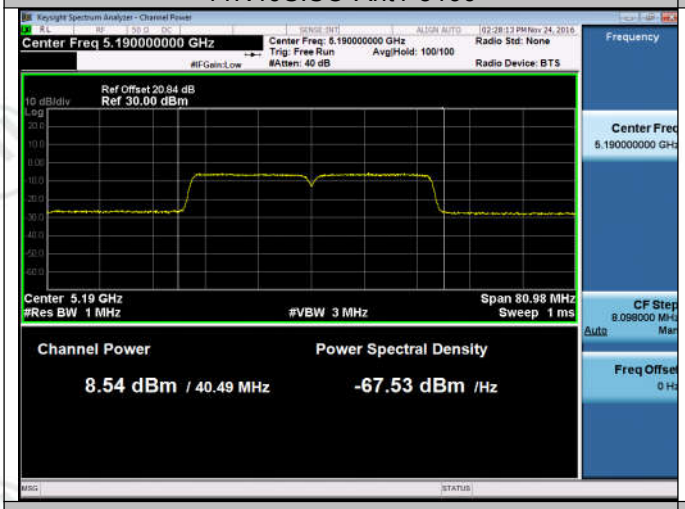
1120SISO-Ant1-5785



1120SISO-Ant1-5825

11N40SISO-Ant1-5190



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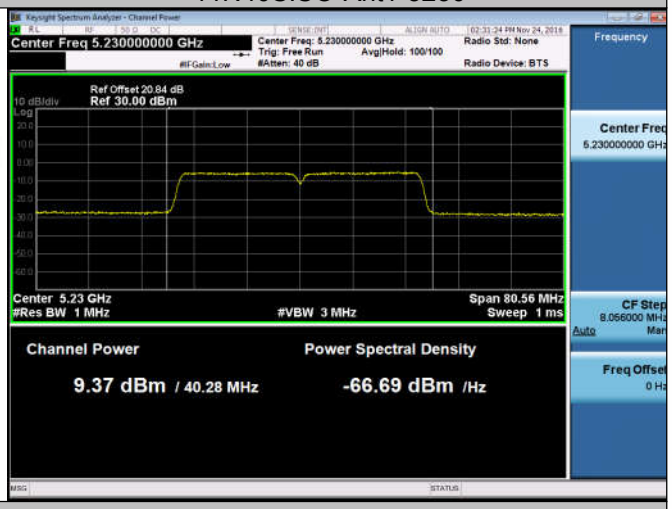

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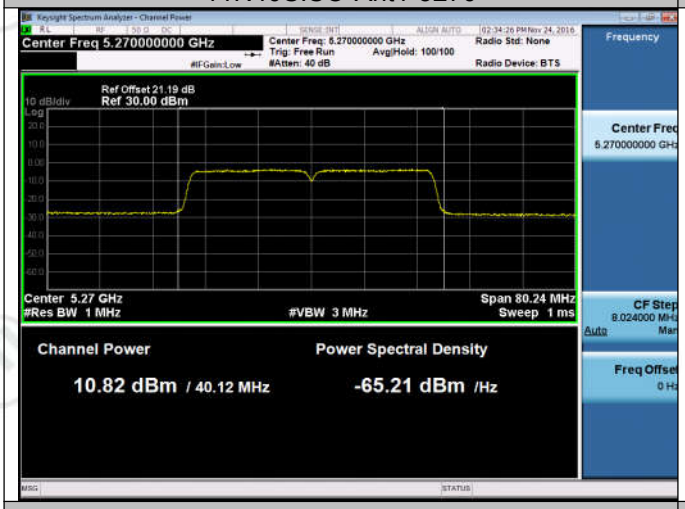

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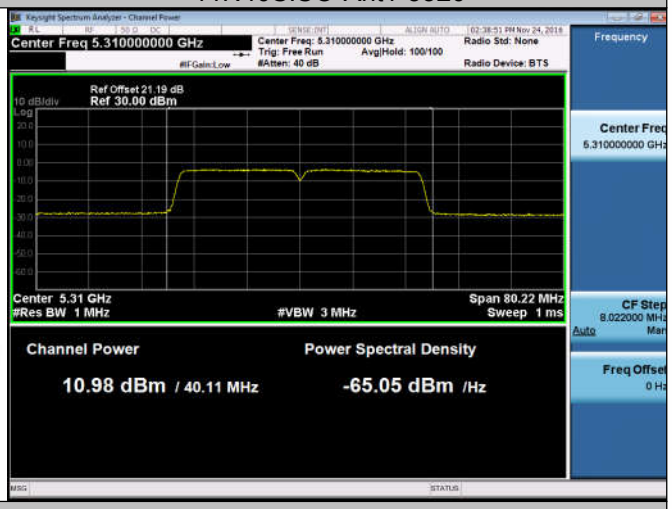
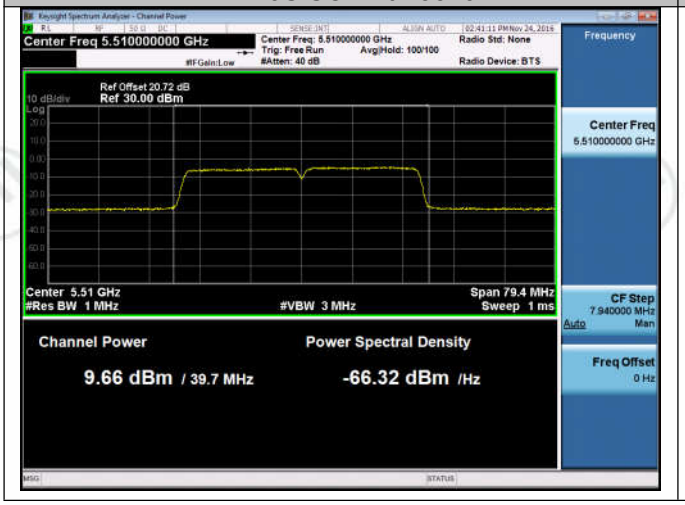
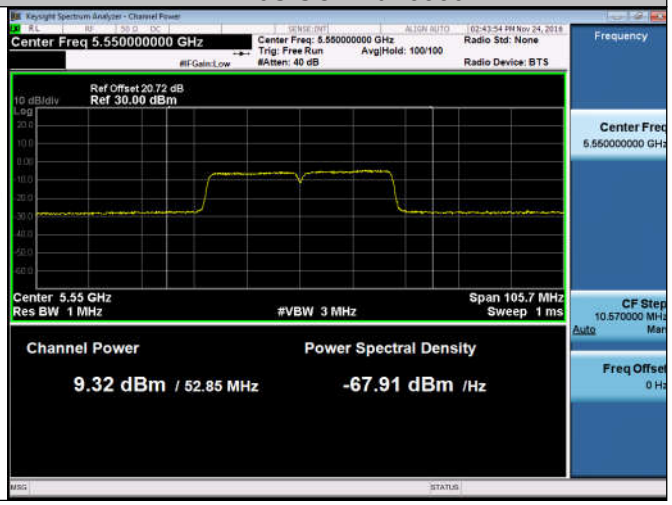


11N40SISO-Ant1-5510



11N40SISO-Ant1-5550



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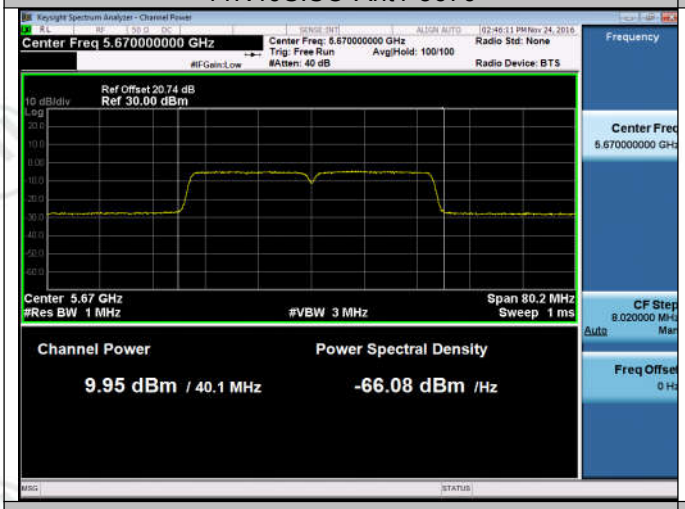

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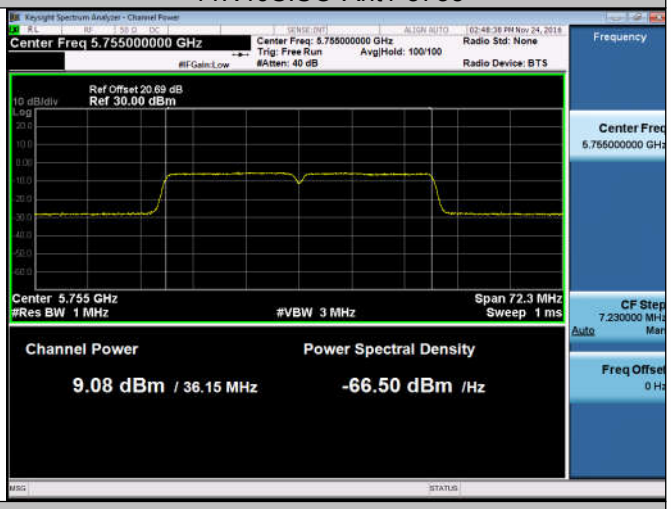

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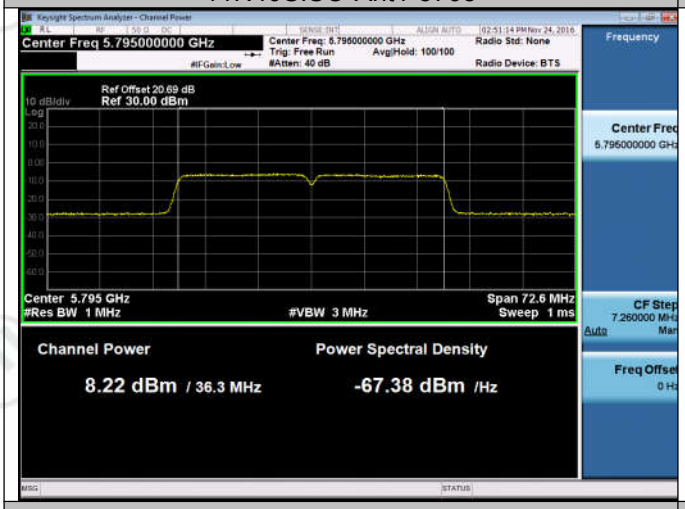

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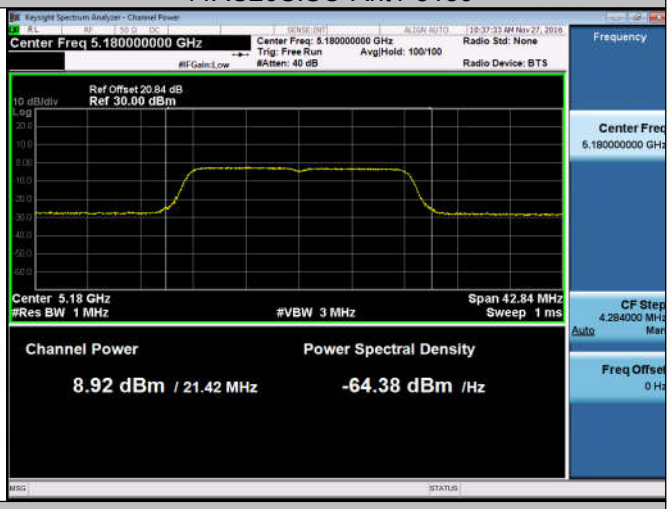

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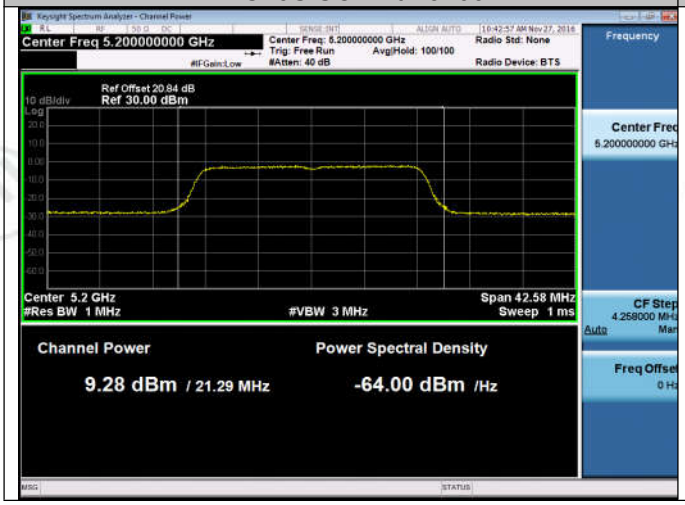

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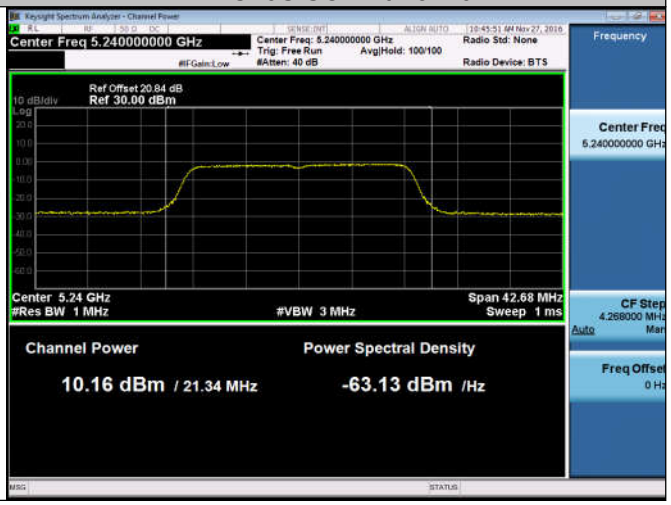

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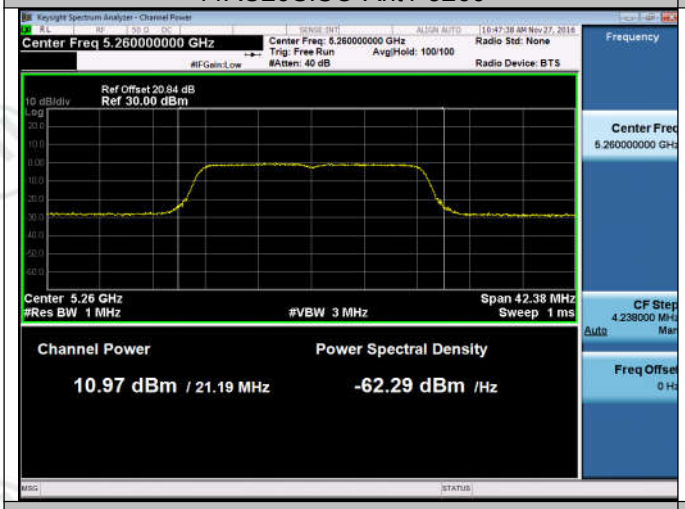

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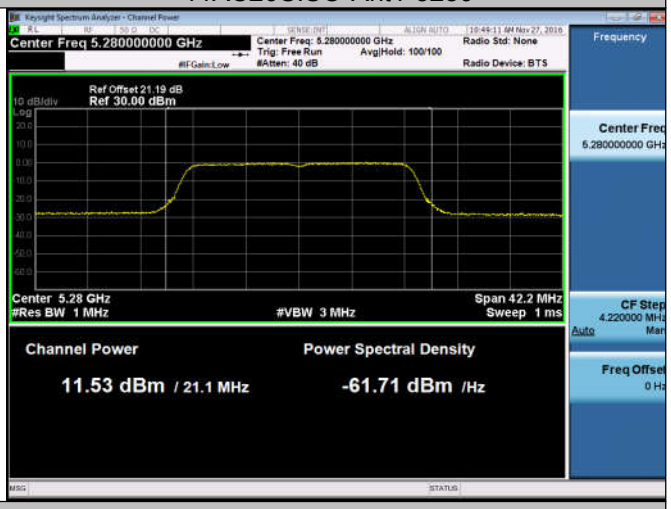

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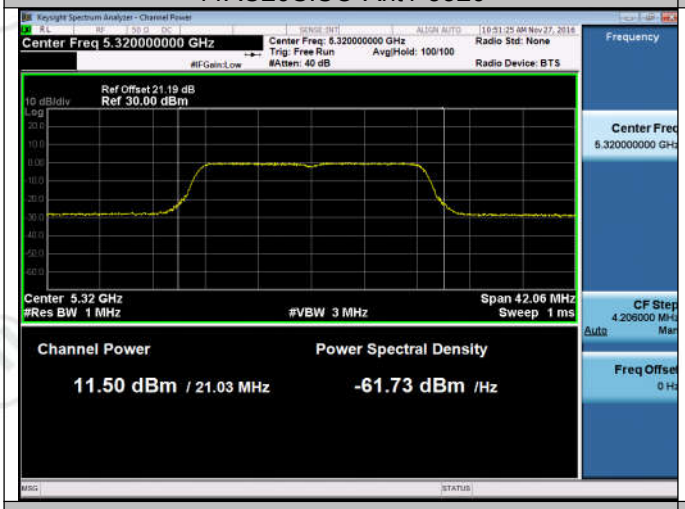

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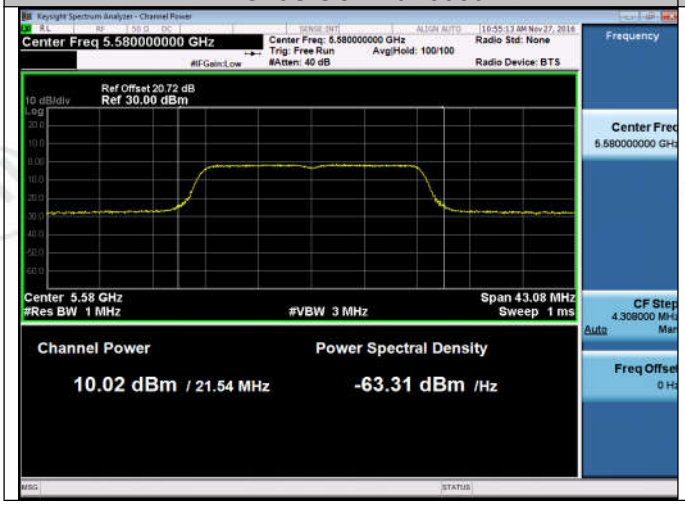

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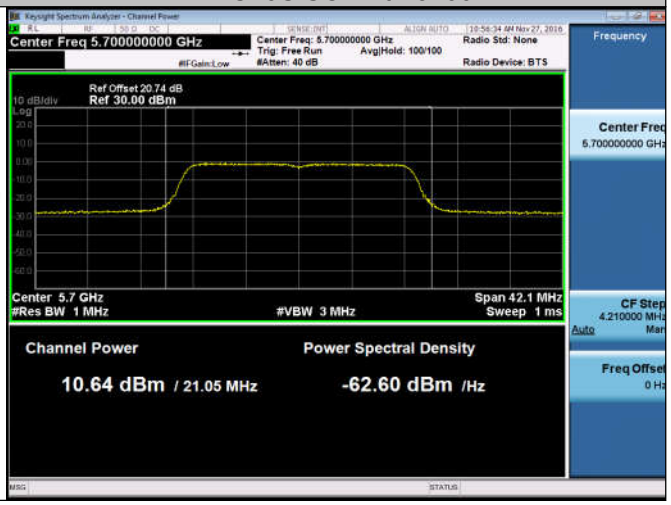

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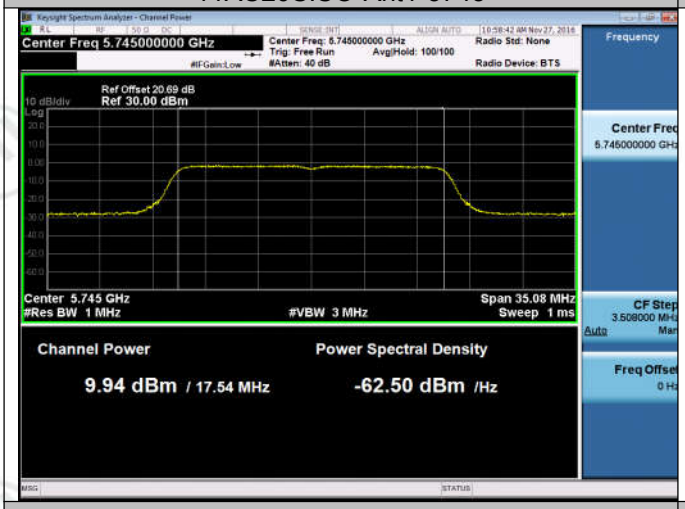

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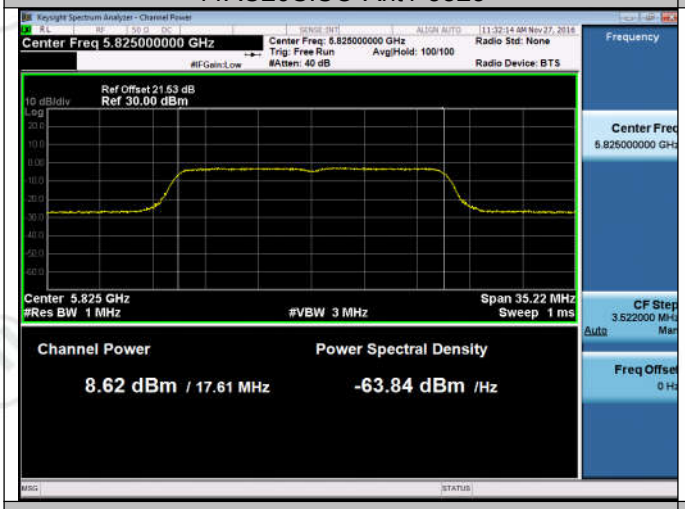

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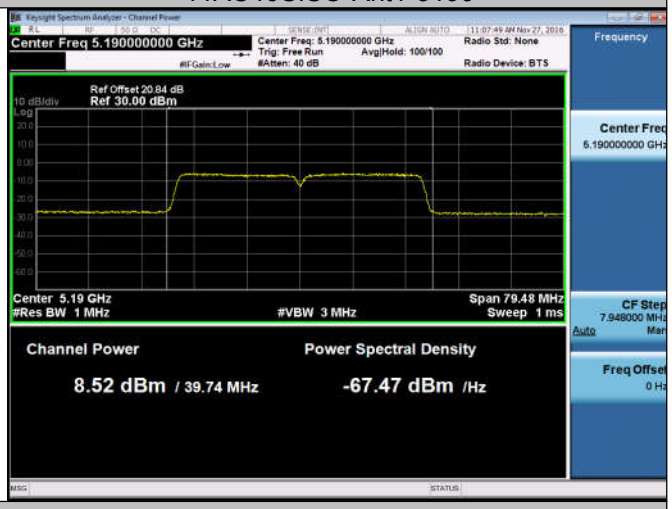

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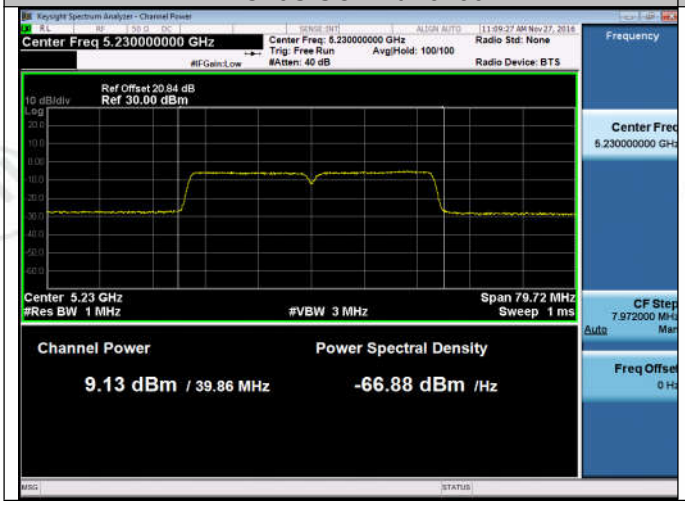

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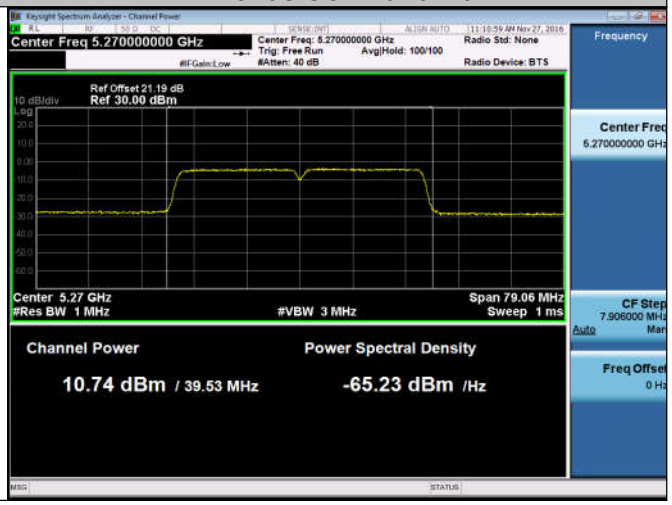

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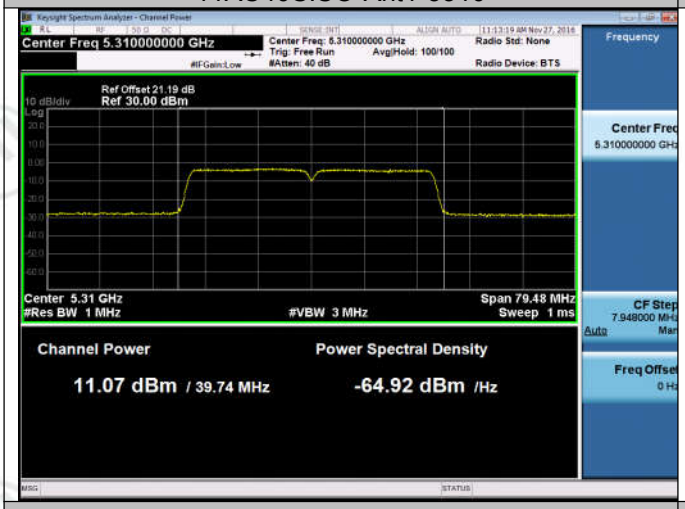

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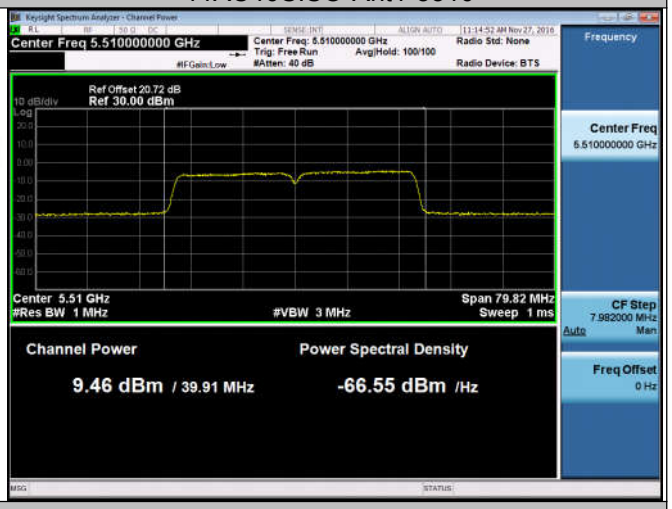

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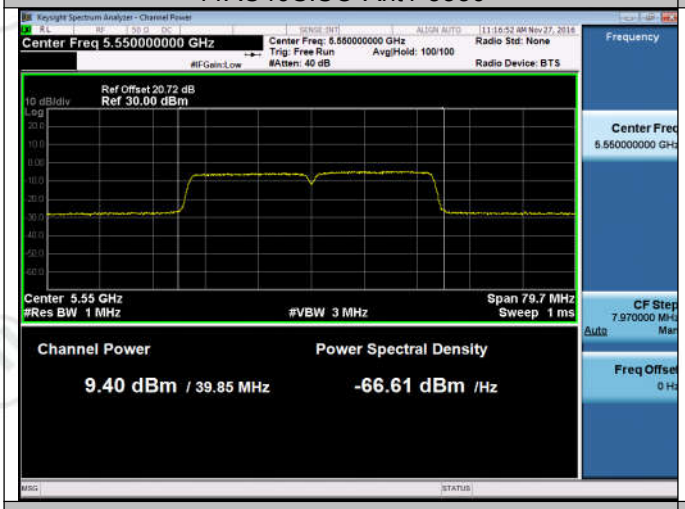

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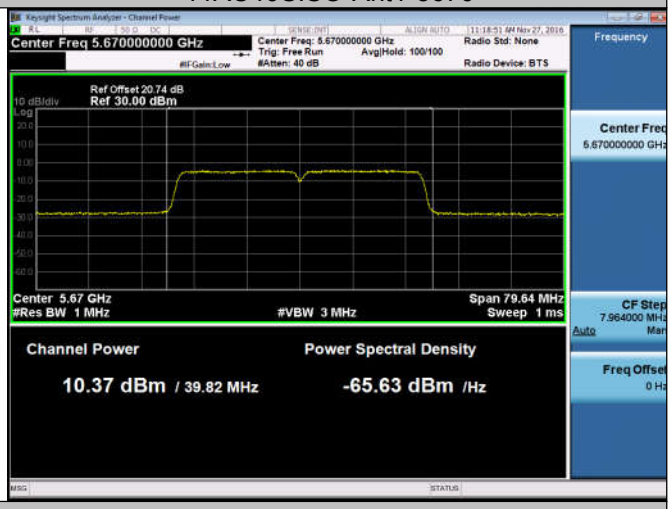
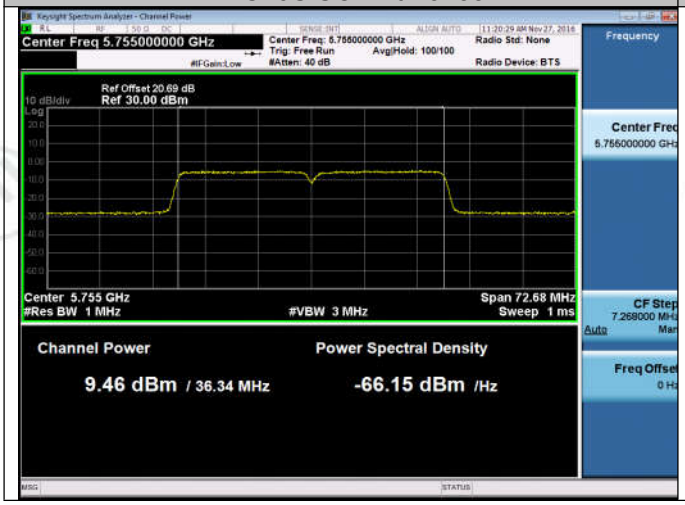
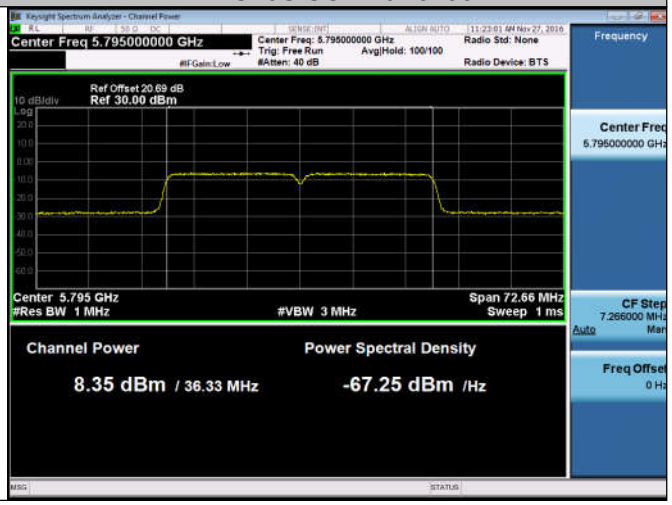


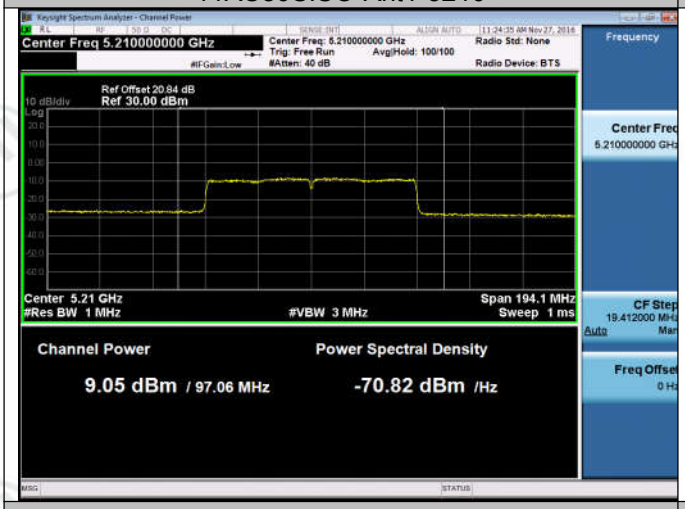
11AC40SISO-Ant1-5755



11AC40SISO-Ant1-5795

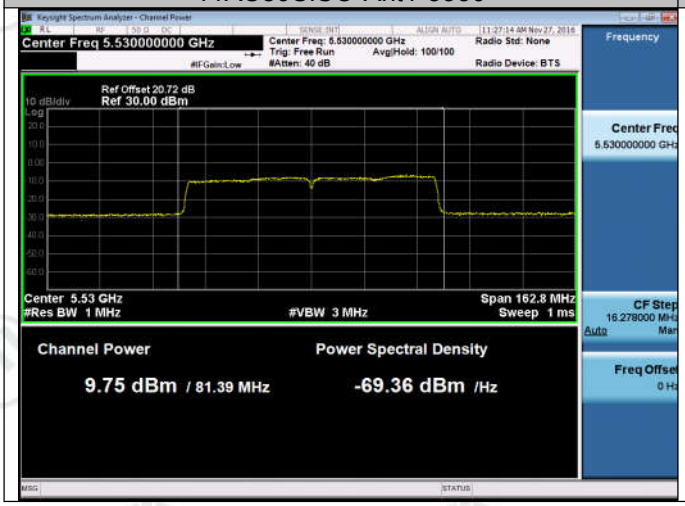


11AC80SISO-Ant1-5210

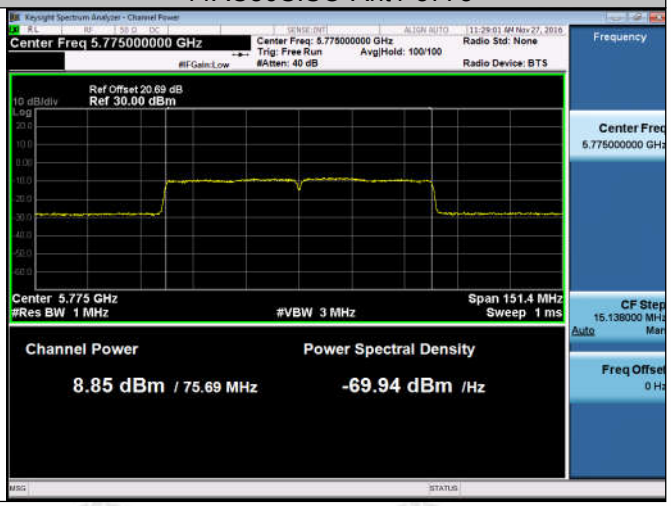


11AC80SISO-Ant1-5290

11AC80SISO-Ant1-5530



11AC80SISO-Ant1-5775



Appendix D): Power Spectral Density

Result Table

Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/MHz]	Verdict
11A	Ant1	5180	4.29	6.35	PASS
11A	Ant1	5200	3.48	5.54	PASS
11A	Ant1	5240	3.12	5.18	PASS
11A	Ant1	5260	8.38	10.45	PASS
11A	Ant1	5280	8.88	10.95	PASS
11A	Ant1	5320	8.37	10.43	PASS
11A	Ant1	5500	7.71	9.78	PASS
11A	Ant1	5580	7.45	9.52	PASS
11A	Ant1	5700	7.99	10.06	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/500kHz]**	**Verdict**
11A	Ant1	5745	3.64	5.71	PASS
11A	Ant1	5785	2.14	4.20	PASS
11A	Ant1	5825	2.25	4.32	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/MHz]**	**Verdict**
11N20SISO	Ant1	5180	3.40	3.73	PASS
11N20SISO	Ant1	5200	2.67	3.01	PASS
11N20SISO	Ant1	5240	2.69	3.02	PASS
11N20SISO	Ant1	5260	7.69	8.03	PASS
11N20SISO	Ant1	5280	8.49	8.82	PASS
11N20SISO	Ant1	5320	7.77	8.11	PASS
11N20SISO	Ant1	5500	7.10	7.44	PASS
11N20SISO	Ant1	5580	6.56	6.90	PASS
11N20SISO	Ant1	5700	6.98	7.32	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/500kHz]**	**Verdict**
11N20SISO	Ant1	5745	2.27	2.61	PASS
11N20SISO	Ant1	5785	2.84	3.18	PASS
11N20SISO	Ant1	5825	2.44	2.77	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/MHz]**	**Verdict**
11N40SISO	Ant1	5190	0.28	0.93	PASS
11N40SISO	Ant1	5230	-0.51	0.14	PASS
11N40SISO	Ant1	5270	4.77	5.42	PASS
11N40SISO	Ant1	5310	4.69	5.34	PASS
11N40SISO	Ant1	5510	4.03	4.68	PASS
11N40SISO	Ant1	5550	3.56	4.21	PASS
11N40SISO	Ant1	5670	4.13	4.78	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/500kHz]**	**Verdict**
11N40SISO	Ant1	5755	0.13	0.78	PASS
11N40SISO	Ant1	5795	-1.34	-0.69	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/MHz]**	**Verdict**
11AC20SISO	Ant1	5180	3.37	3.70	PASS
11AC20SISO	Ant1	5200	2.63	2.96	PASS
11AC20SISO	Ant1	5240	2.44	2.77	PASS

11AC20SISO	Ant1	5260	7.35	7.68	PASS
11AC20SISO	Ant1	5280	8.94	9.27	PASS
11AC20SISO	Ant1	5320	8.09	8.42	PASS
11AC20SISO	Ant1	5500	7.07	7.41	PASS
11AC20SISO	Ant1	5580	6.69	7.02	PASS
11AC20SISO	Ant1	5700	7.75	8.08	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/500kHz]**	**Verdict**
11AC20SISO	Ant1	5745	3.51	3.84	PASS
11AC20SISO	Ant1	5785	2.65	2.98	PASS
11AC20SISO	Ant1	5825	1.45	1.78	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/MHz]**	**Verdict**
11AC40SISO	Ant1	5190	0.38	1.03	PASS
11AC40SISO	Ant1	5230	-0.31	0.34	PASS
11AC40SISO	Ant1	5270	5.83	6.47	PASS
11AC40SISO	Ant1	5310	5.39	6.04	PASS
11AC40SISO	Ant1	5510	4.16	4.80	PASS
11AC40SISO	Ant1	5550	3.58	4.23	PASS
11AC40SISO	Ant1	5670	4.07	4.72	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/500kHz]**	**Verdict**
11AC40SISO	Ant1	5755	0.51	1.16	PASS
11AC40SISO	Ant1	5795	-1.13	-0.48	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/MHz]**	**Verdict**
11AC80SISO	Ant1	5210	-3.41	-2.19	PASS
11AC80SISO	Ant1	5290	2.87	4.09	PASS
11AC80SISO	Ant1	5530	1.03	2.25	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/500kHz]**	**Verdict**
11AC80SISO	Ant1	5775	-2.97	-1.75	PASS

Remark: According KDB789033 D02, If continuous transmission cannot be achieved the 10 log (1/duty cycle) should be add.

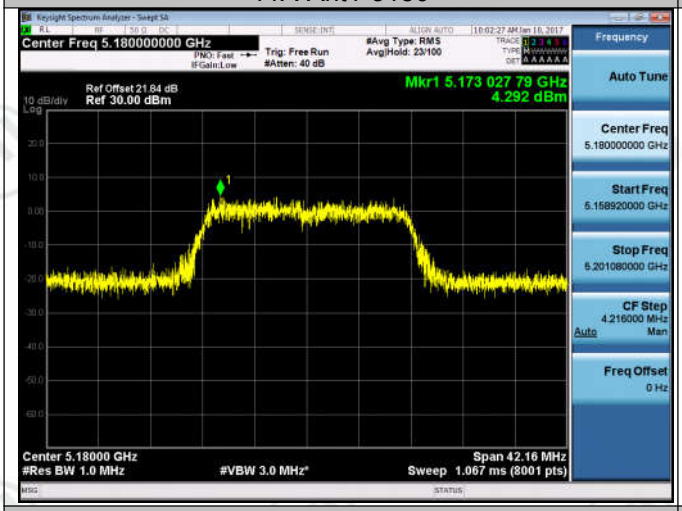
PSD=Meas.Level+10 log (1/duty cycle)

Duty Cycle value in report Appendix A, Meas.Level value in report Appendix D,

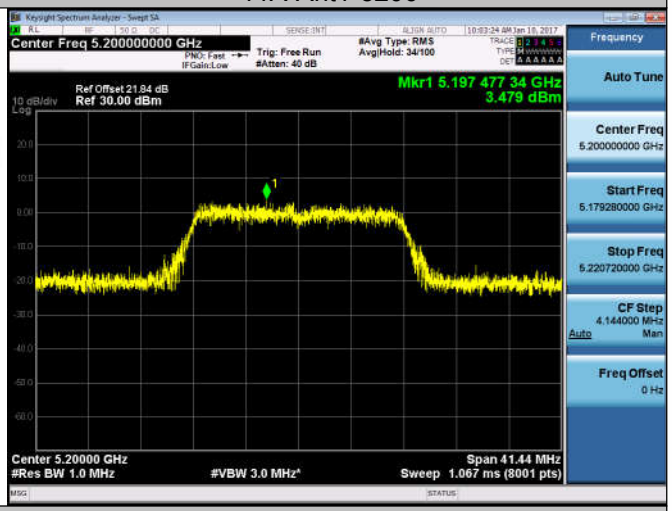
For band 1, MCS0 mode, 802.11a channel 36:5180MHz, Duty Cycle value is 62.16x0.01=0.6216, Meas.Level value is 4.29 in report Appendix D, Av.Power=4.29+10 log (1/0.6216) =6.35.

Test Graph

11A-Ant1-5180



11A-Ant1-5200



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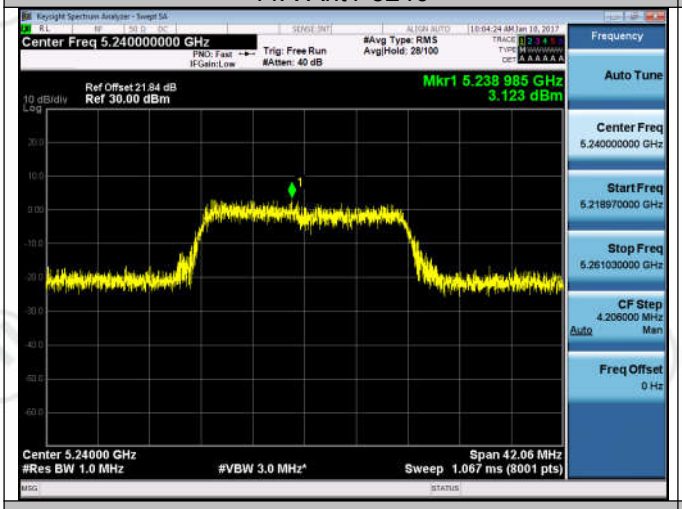

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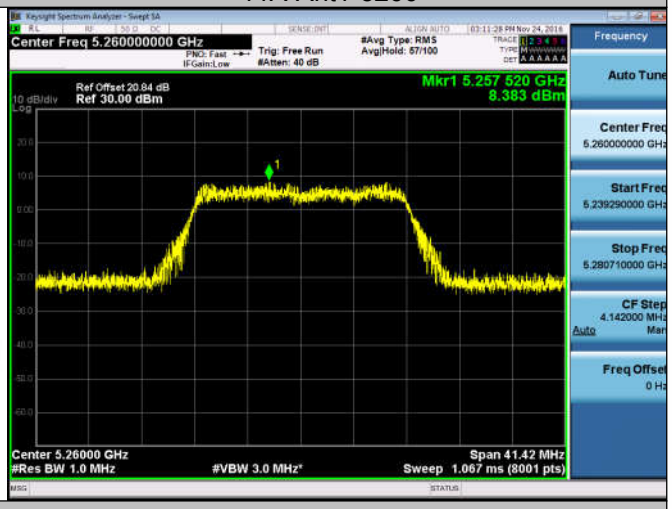

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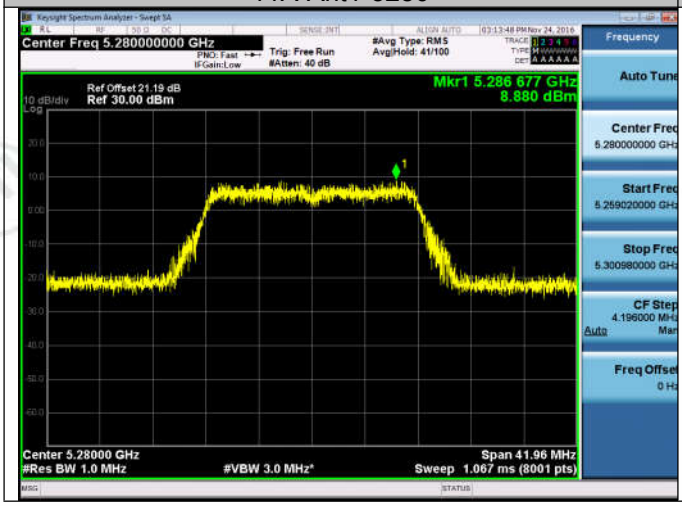
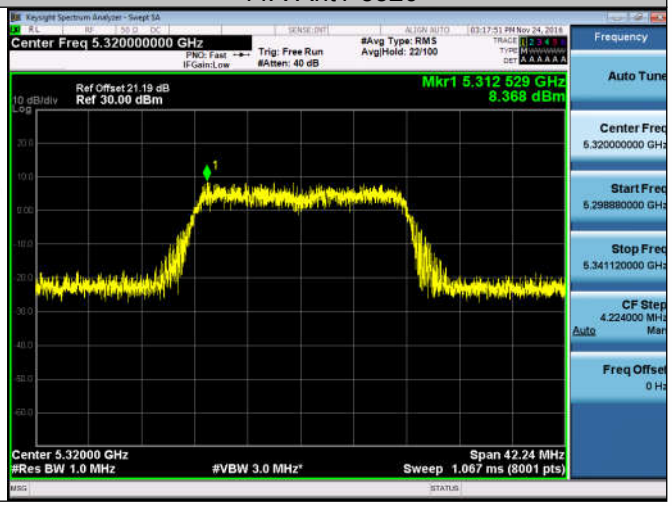
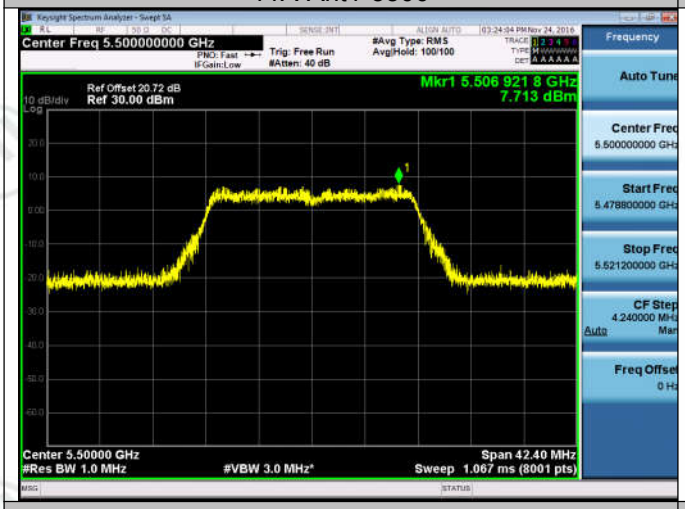


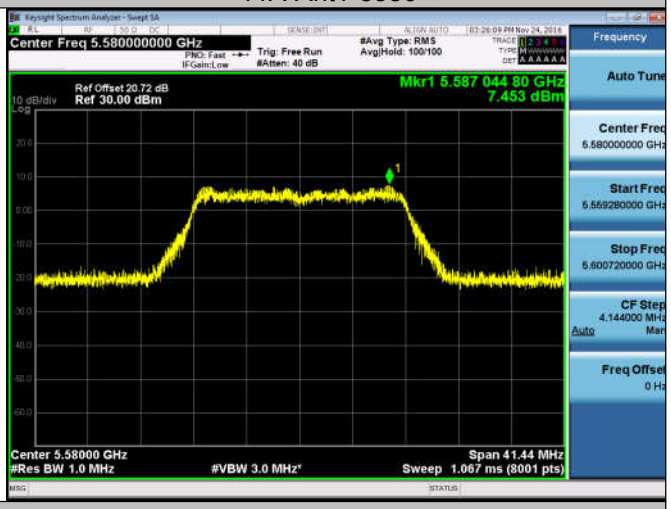
11A-Ant1-5320



11A-Ant1-5500



11A-Ant1-5580



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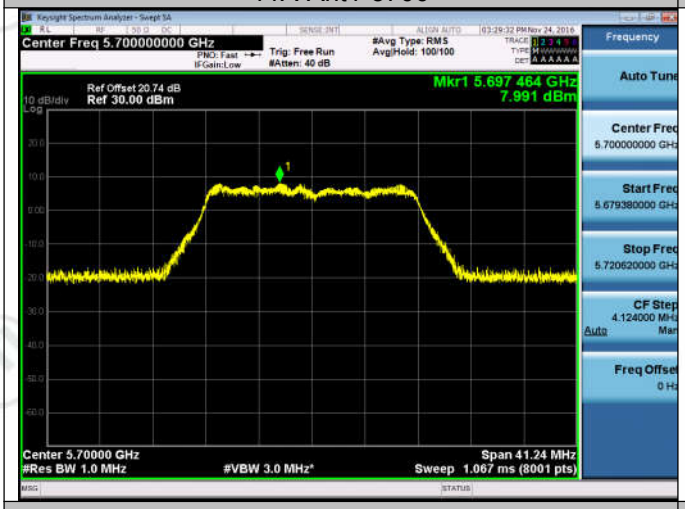
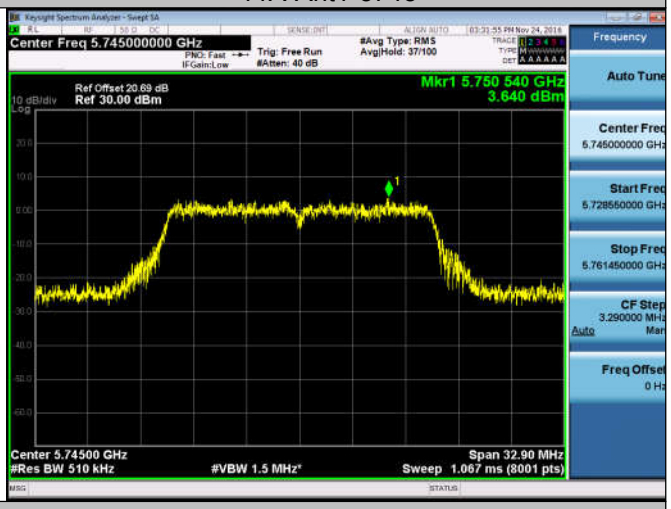


11A-Ant1-5745



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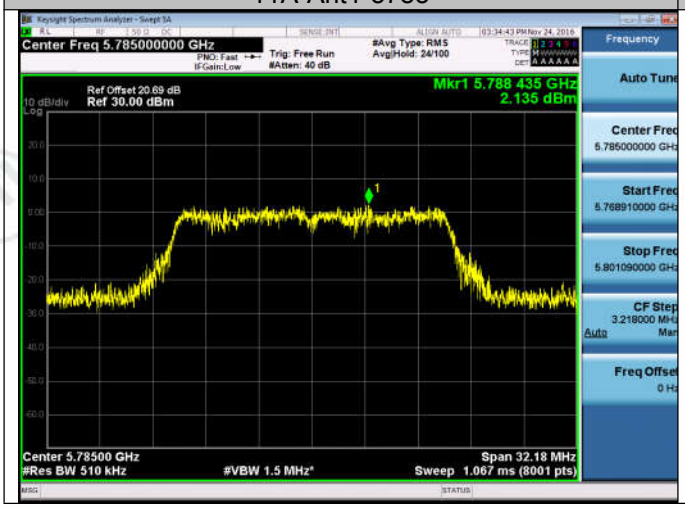

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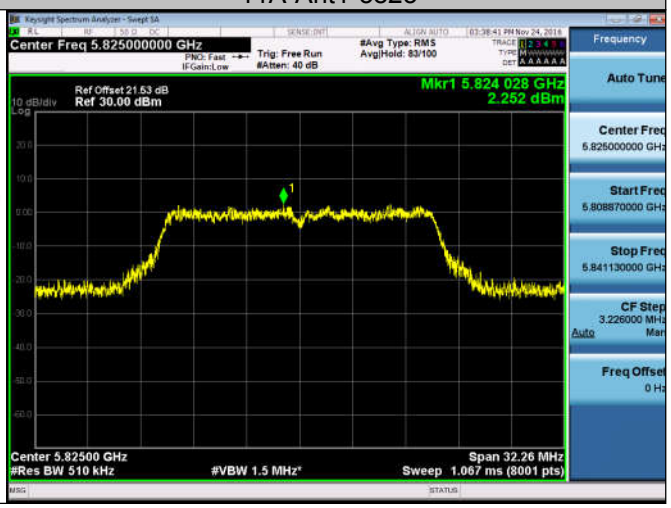

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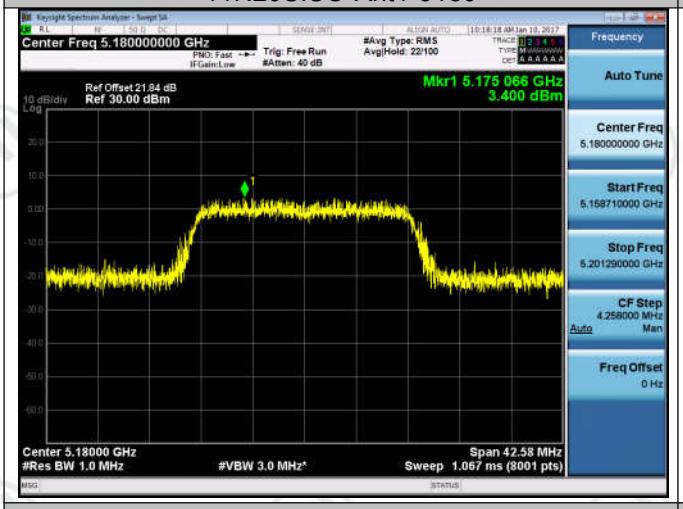

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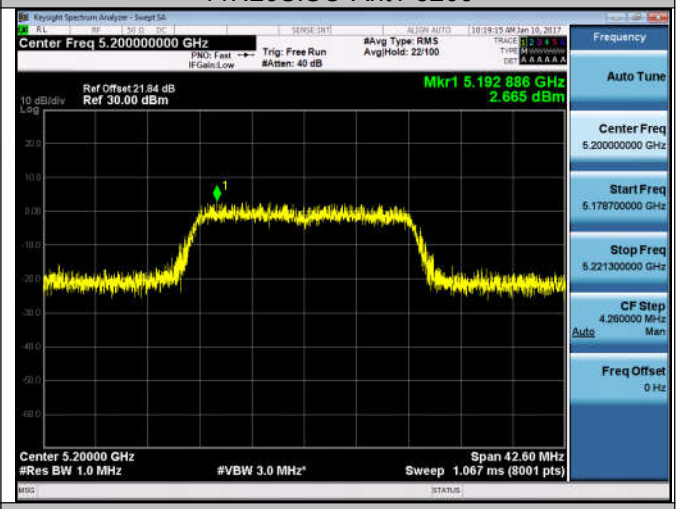

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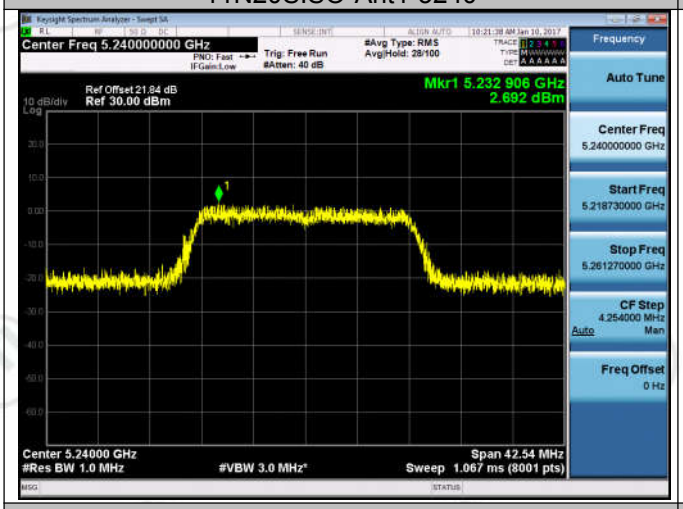

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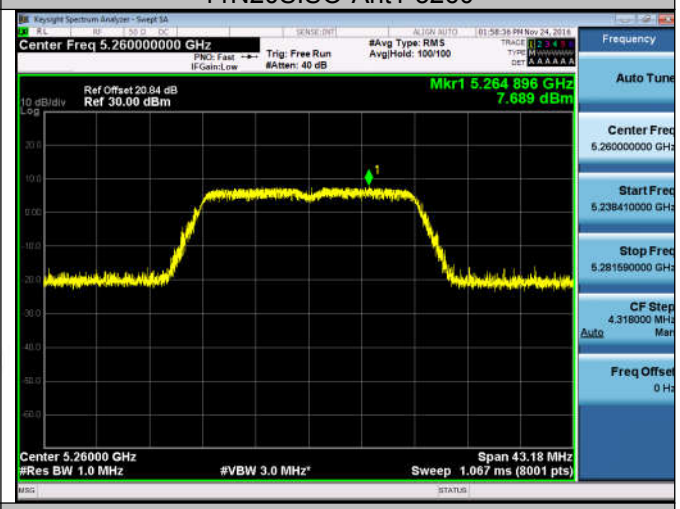

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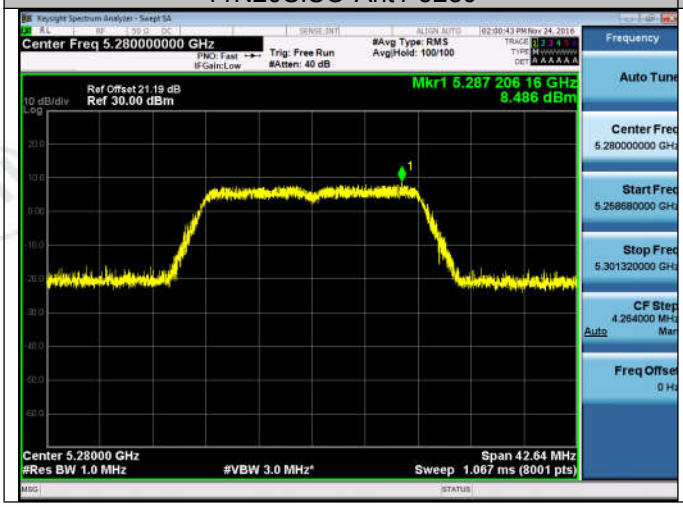

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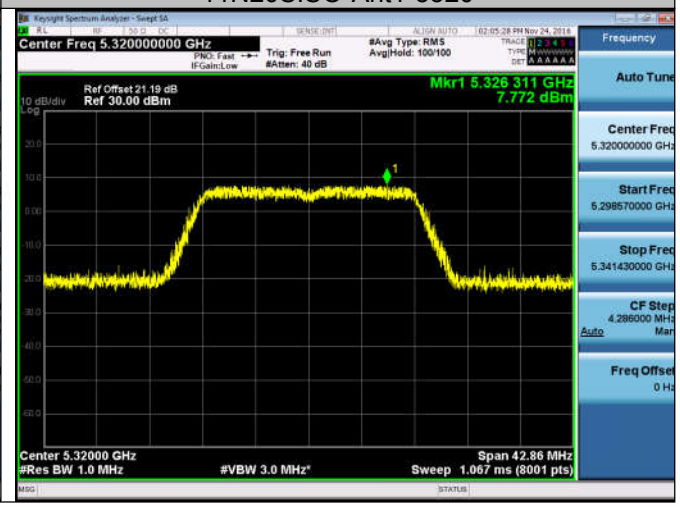

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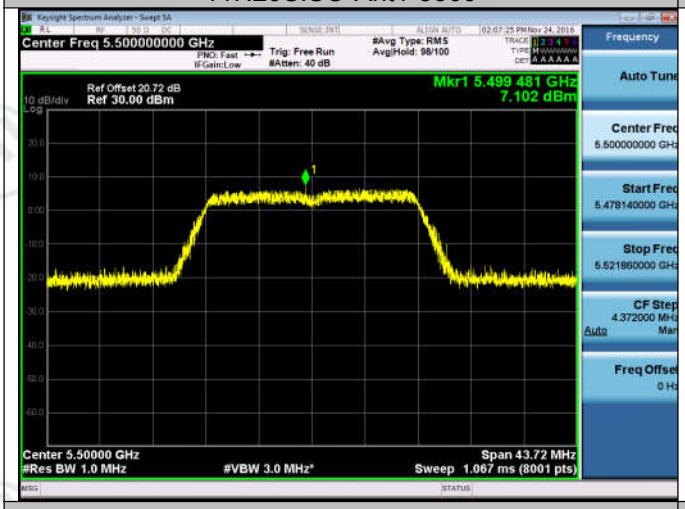

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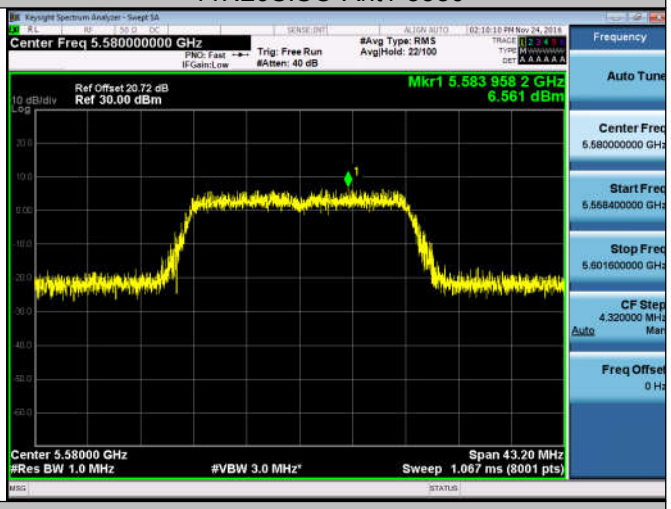

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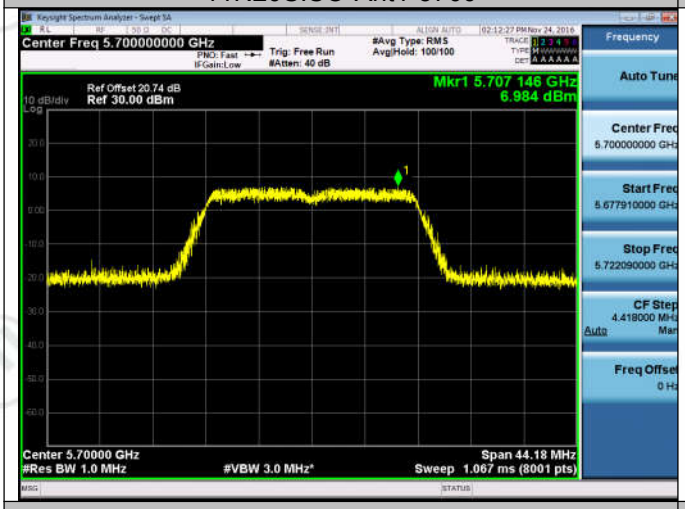

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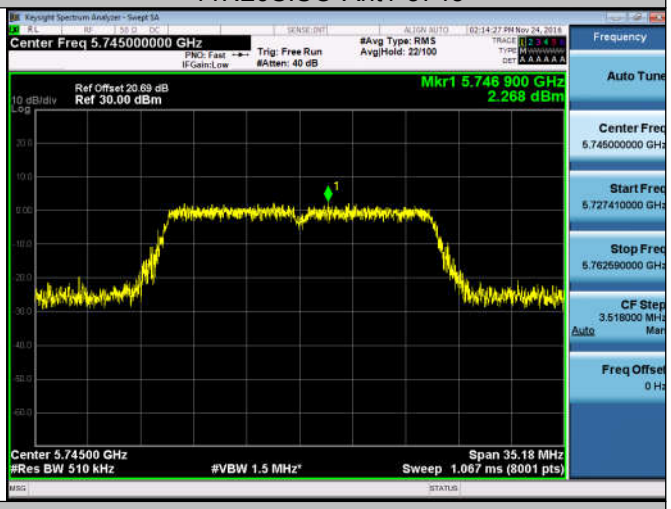

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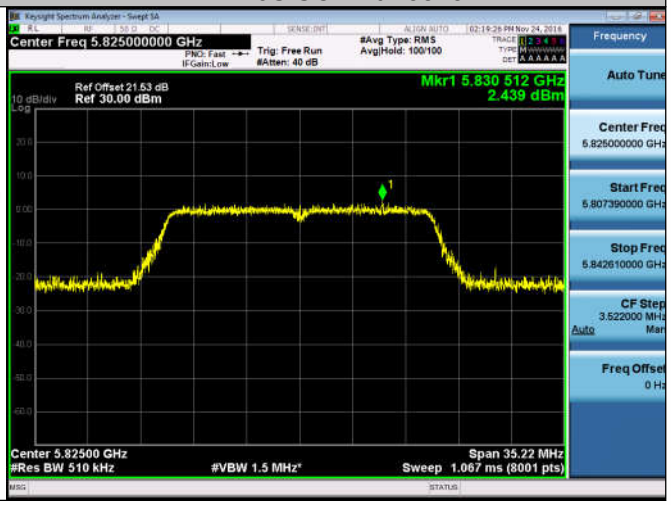
11N20SISO-Ant1-5825



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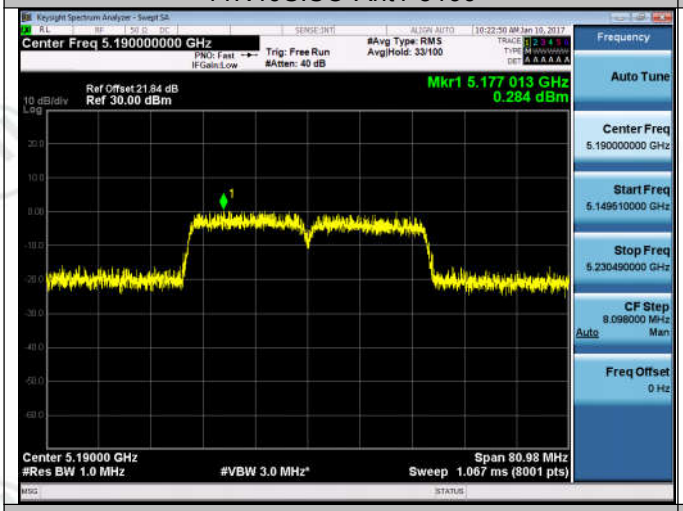

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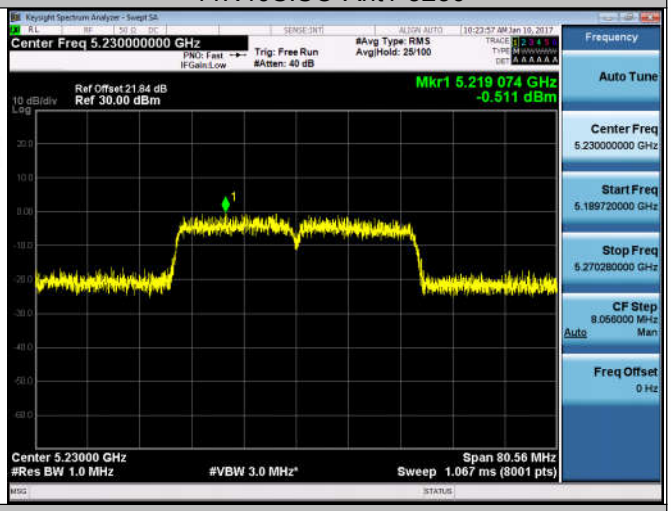

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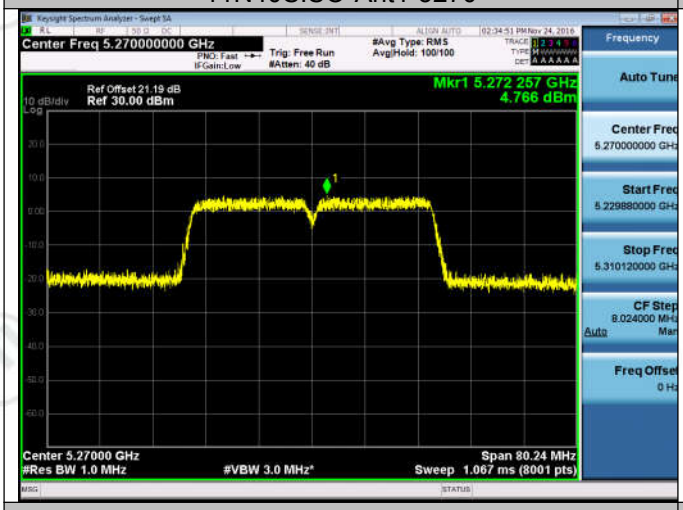

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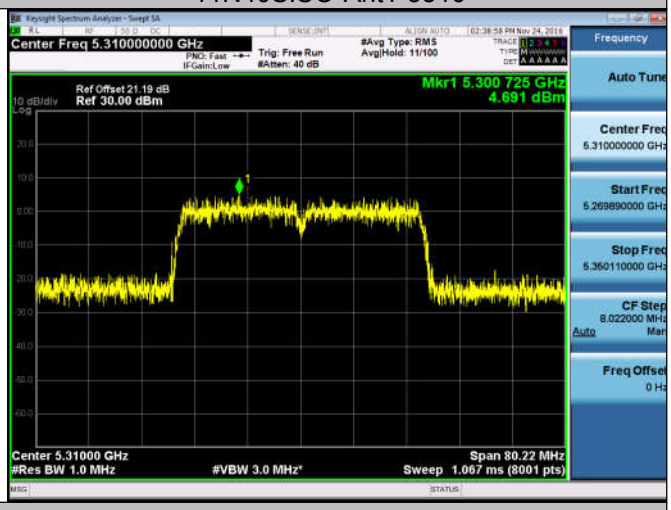

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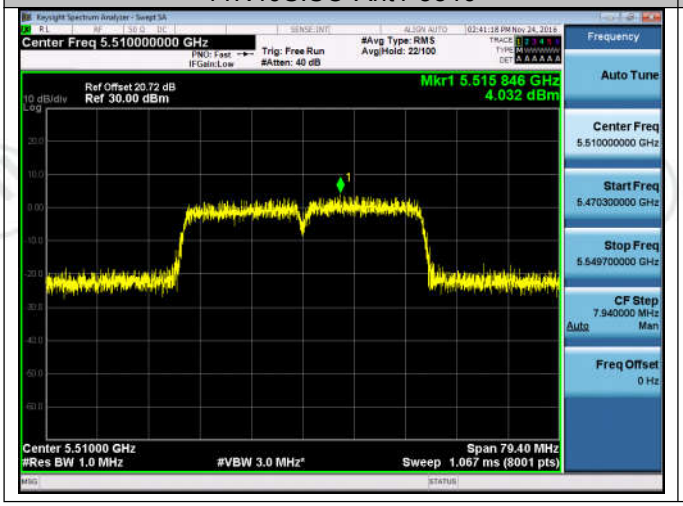

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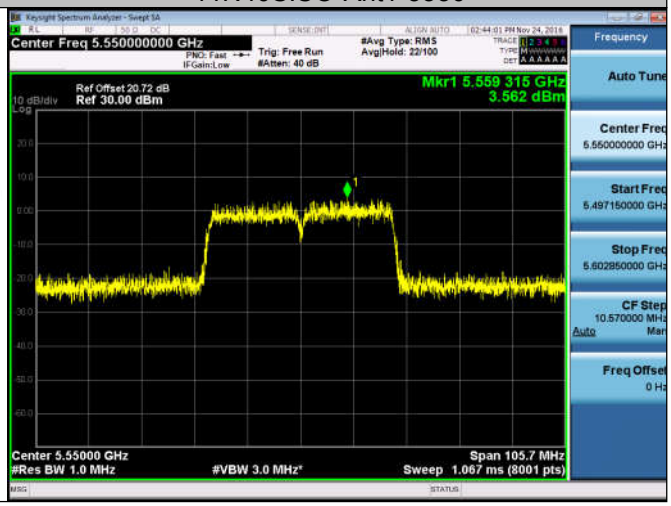

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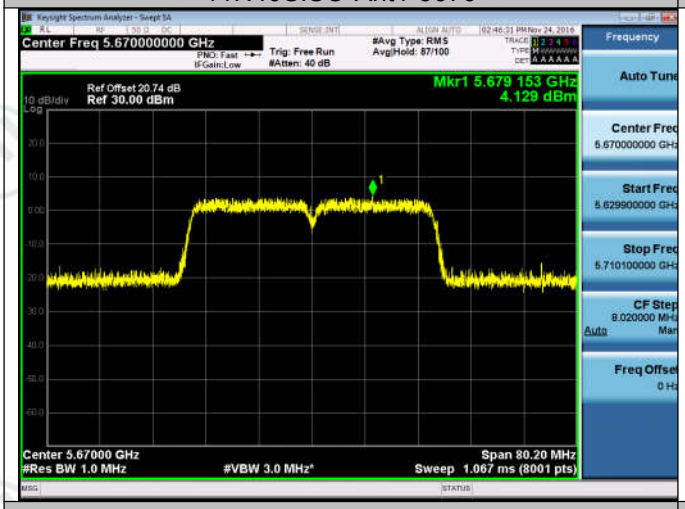

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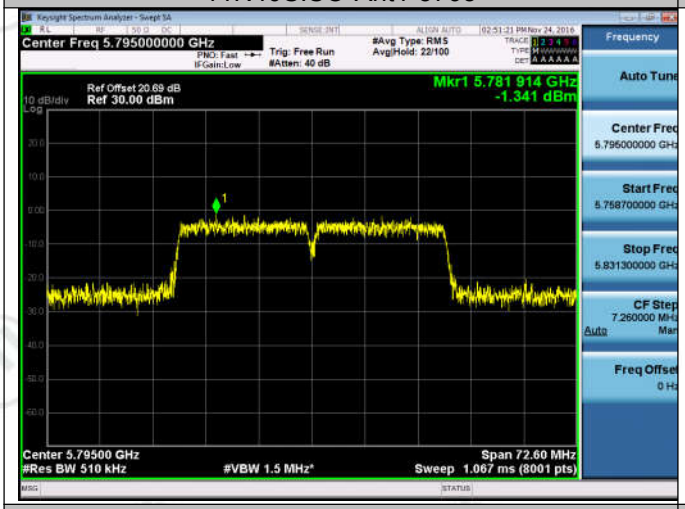
11N40SISO-Ant1-5795



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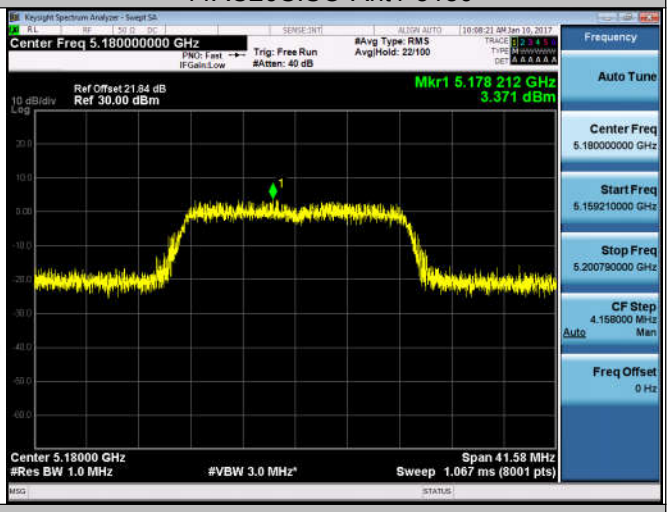

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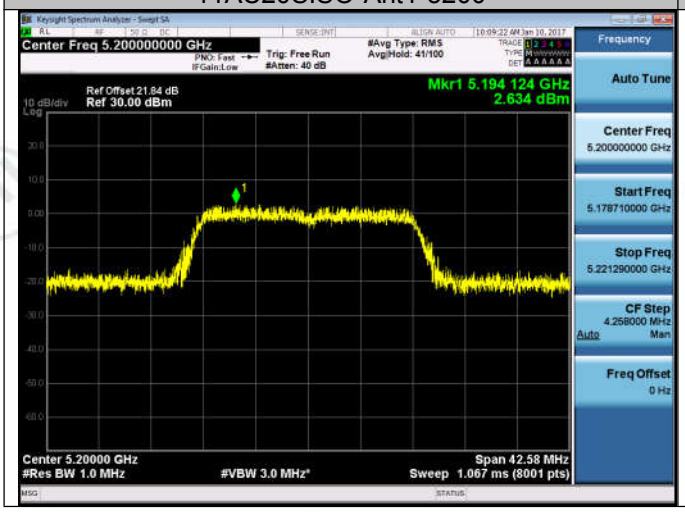

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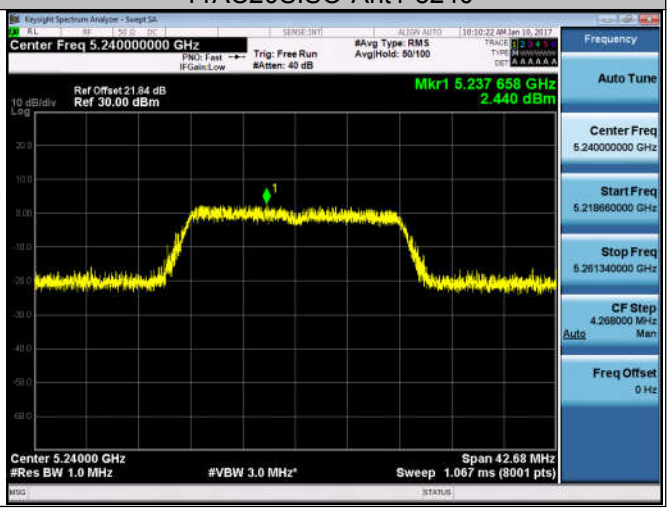

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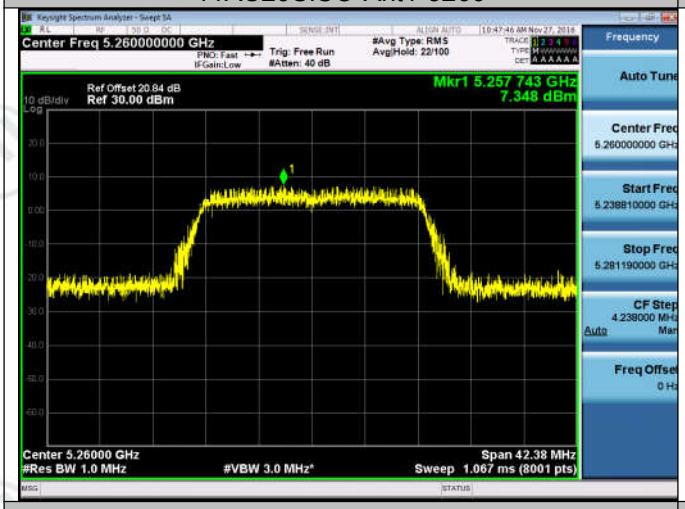

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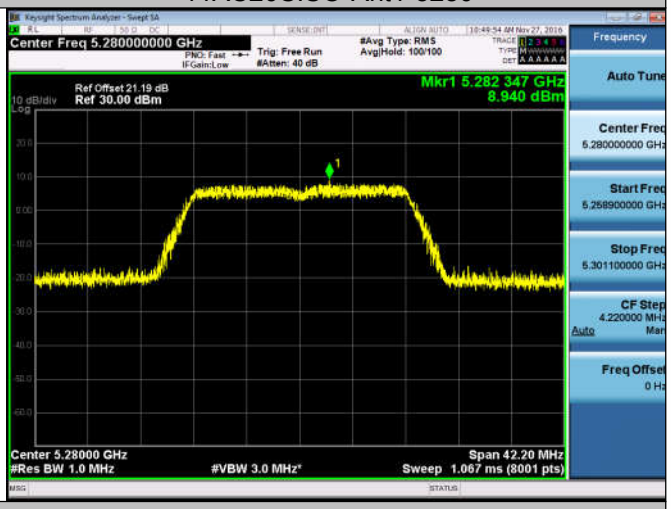

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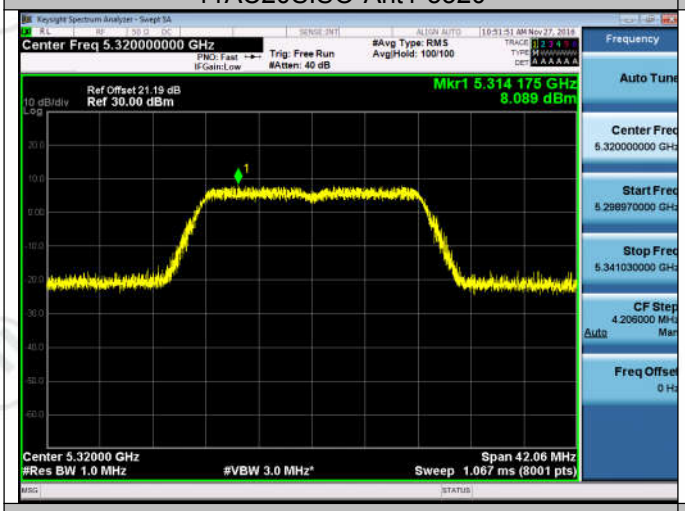

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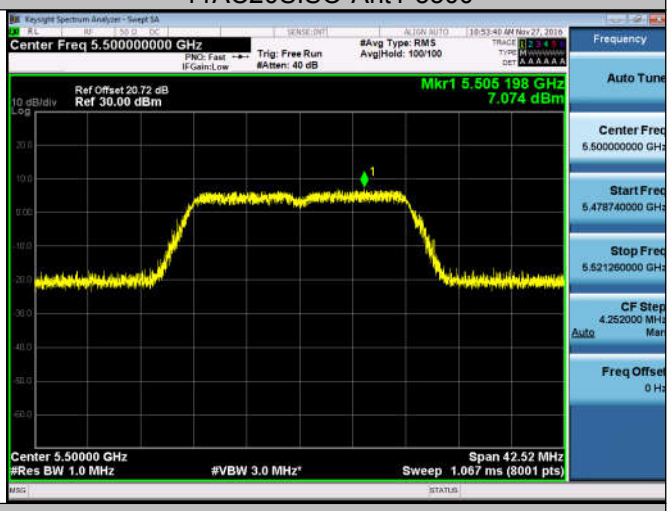

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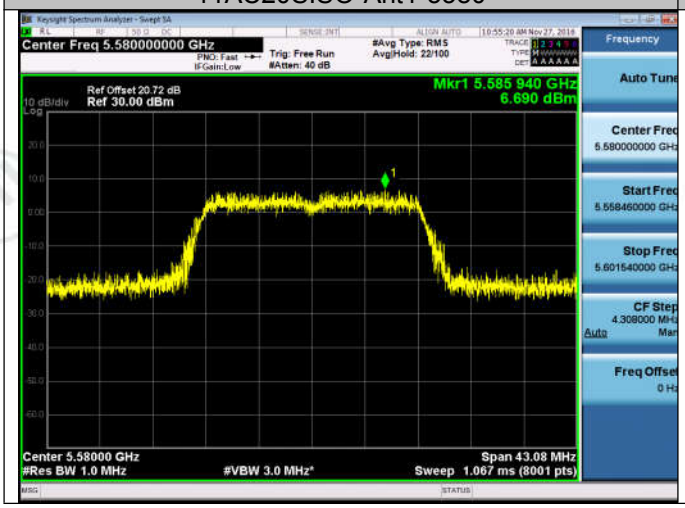

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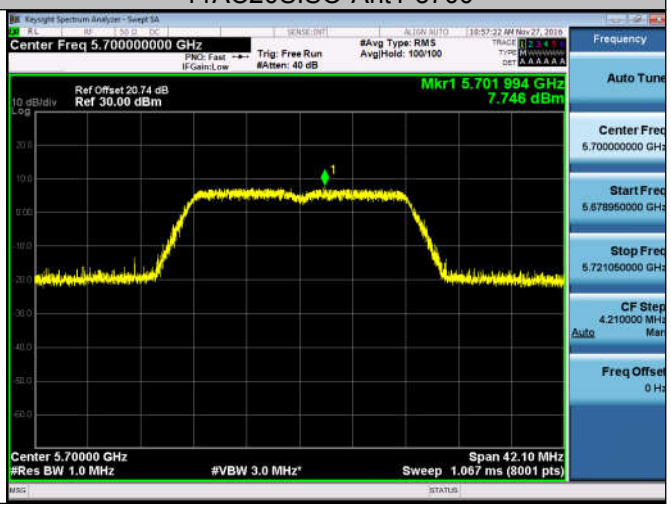

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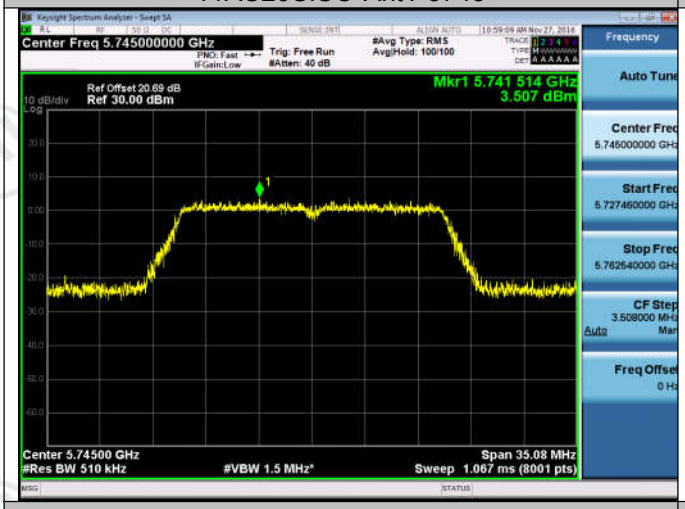

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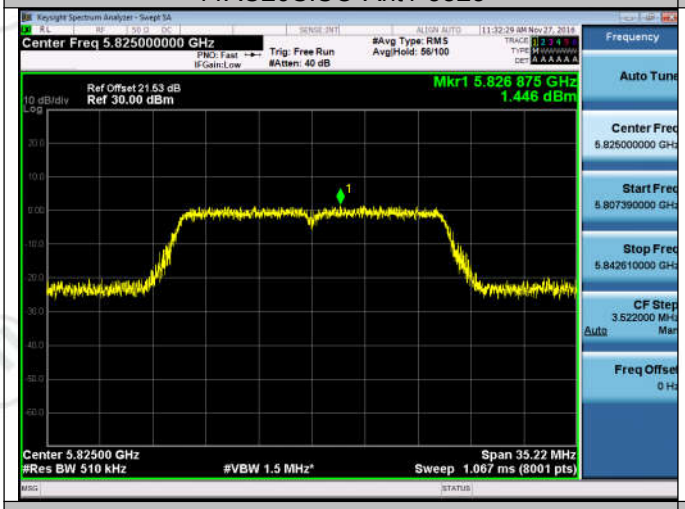

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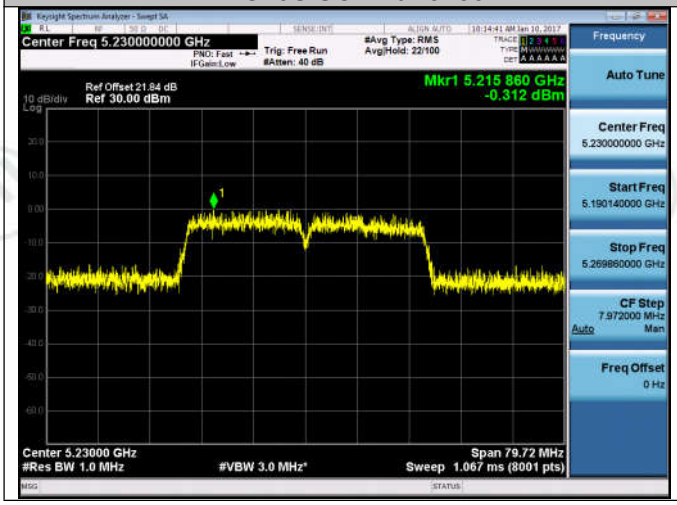

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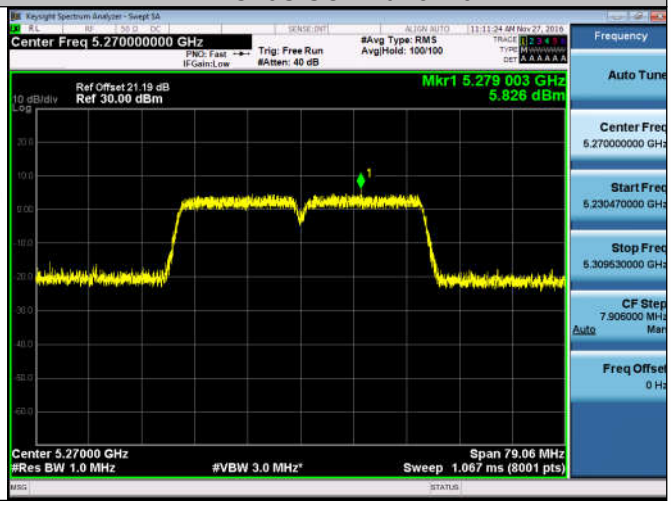

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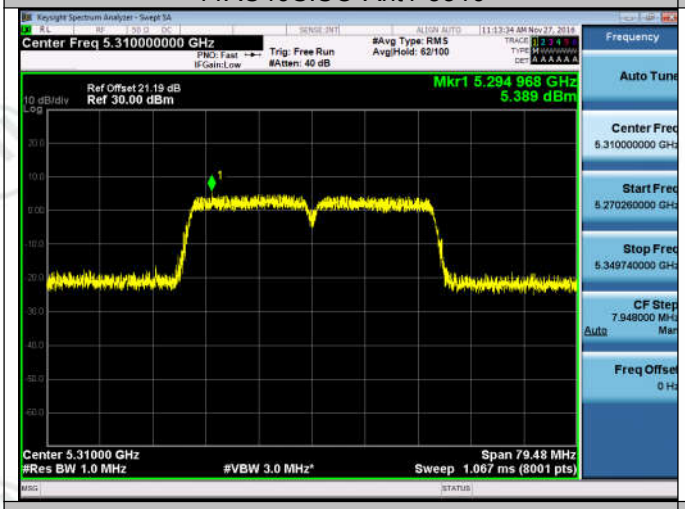

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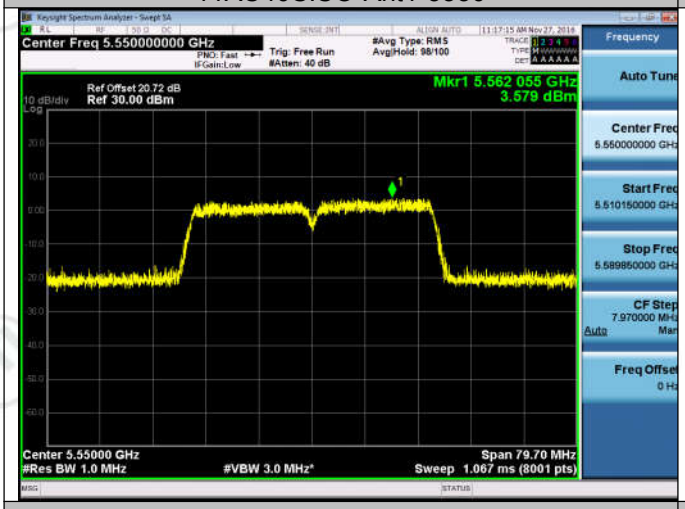

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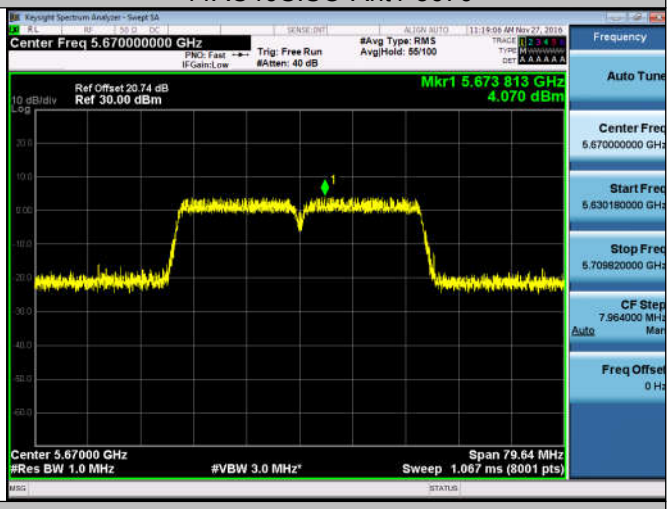

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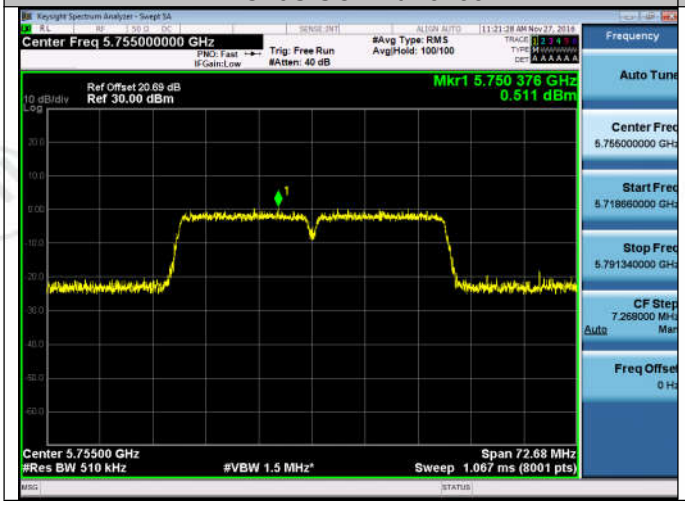

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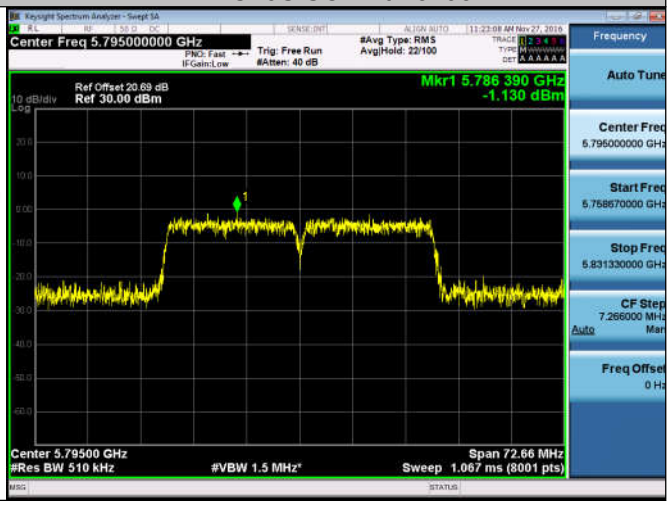

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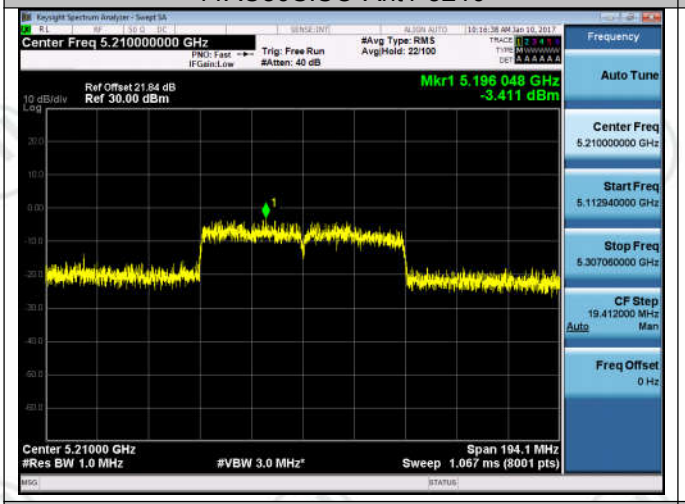

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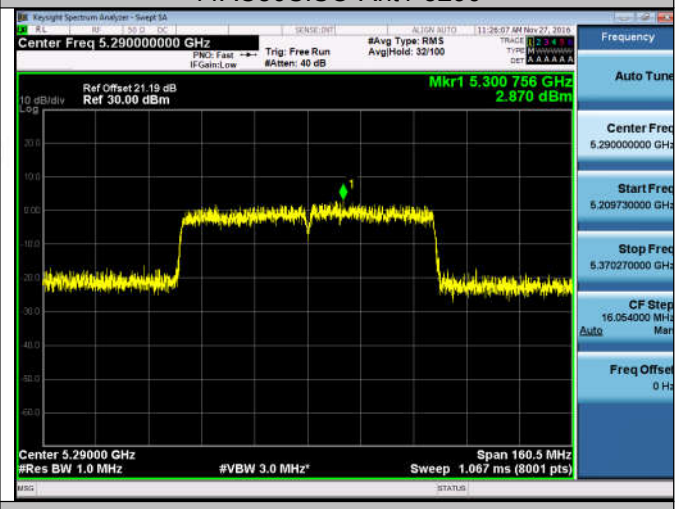

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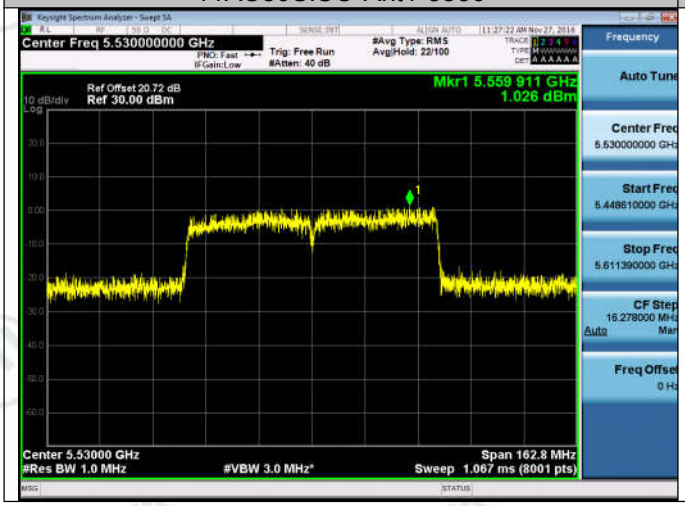

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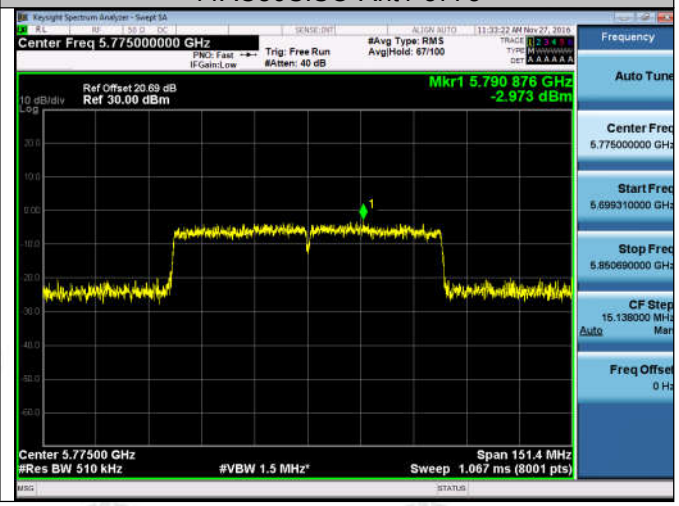


Appendix E): Band Edge Measurements

Result Table

Test Mode	Antenna	Channel	Max.Level [dBm]	Verdict
11A	Ant1	5180	-45.451	PASS
11A	Ant1	5240	-47.823	PASS
11A	Ant1	5260	-45.305	PASS
11A	Ant1	5320	-47.145	PASS
11A	Ant1	5500	-43.425	PASS
11A	Ant1	5700	-42.574	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11A	Ant1	5745	-46.513	-43.070	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11A	Ant1	5825	-43.891	-45.874	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]	Verdict
11N20SISO	Ant1	5180	-44.944	PASS
11N20SISO	Ant1	5240	-48.312	PASS
11N20SISO	Ant1	5260	-46.193	PASS
11N20SISO	Ant1	5320	-47.445	PASS
11N20SISO	Ant1	5500	-42.828	PASS
11N20SISO	Ant1	5700	-42.511	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11N20SISO	Ant1	5745	-44.201	-39.458	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11N20SISO	Ant1	5825	-43.421	-44.485	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]	Verdict
11N40SISO	Ant1	5190	-43.031	PASS
11N40SISO	Ant1	5230	-48.150	PASS
11N40SISO	Ant1	5270	-45.246	PASS
11N40SISO	Ant1	5310	-43.664	PASS
11N40SISO	Ant1	5510	-39.767	PASS
11N40SISO	Ant1	5670	-44.418	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11N40SISO	Ant1	5755	-42.821	-39.374	PASS

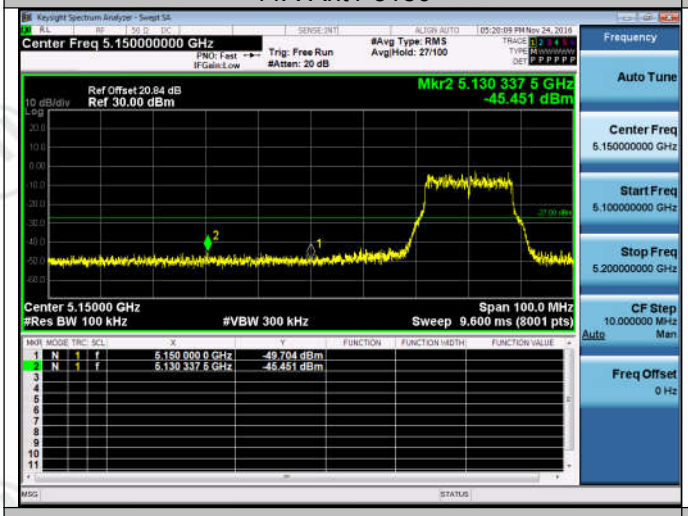
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11N40SISO	Ant1	5795	-45.856	-47.708	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11AC20SISO	Ant1	5180	-44.729		PASS
11AC20SISO	Ant1	5240	-47.332		PASS
11AC20SISO	Ant1	5260	-46.444		PASS
11AC20SISO	Ant1	5320	-46.641		PASS
11AC20SISO	Ant1	5500	-43.996		PASS
11AC20SISO	Ant1	5700	-40.664		PASS
Test Mode	**Antenna**	**Channel**	**Max.Level [dBm]**		**Verdict**
			Below 5715	**5715-5725**	
11AC20SISO	Ant1	5745	-45.397	-38.080	PASS
Test Mode	**Antenna**	**Channel**	**Max.Level [dBm]**		**Verdict**
			5850-5860	**Above 5860**	
11AC20SISO	Ant1	5825	-44.622	-46.292	PASS
Test Mode	**Antenna**	**Channel**	**Max.Level [dBm]**		**Verdict**
11AC40SISO	Ant1	5190	-45.969		PASS
11AC40SISO	Ant1	5230	-48.031		PASS
11AC40SISO	Ant1	5270	-45.695		PASS
11AC40SISO	Ant1	5310	-42.629		PASS
11AC40SISO	Ant1	5510	-40.572		PASS
11AC40SISO	Ant1	5670	-44.492		PASS
Test Mode	**Antenna**	**Channel**	**Max.Level [dBm]**		**Verdict**
			Below 5715	**5715-5725**	
11AC40SISO	Ant1	5755	-43.320	-38.328	PASS
Test Mode	**Antenna**	**Channel**	**Max.Level [dBm]**		**Verdict**
			5850-5860	**Above 5860**	
11AC40SISO	Ant1	5795	-46.680	-46.808	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11AC80SISO	Ant1	5210	-39.746		PASS
11AC80SISO	Ant1	5210	-47.144		PASS
11AC80SISO	Ant1	5290	-45.369		PASS
11AC80SISO	Ant1	5290	-43.745		PASS
11AC80SISO	Ant1	5530	-40.424		PASS
11AC80SISO	Ant1	5530	-47.271		PASS
Test Mode	**Antenna**	**Channel**	**Max.Level [dBm]**		**Verdict**
			Below 5715	**5715-5725**	
11AC80SISO	Ant1	5775	-41.843	-41.452	PASS
Test Mode	**Antenna**	**Channel**	**Max.Level [dBm]**		**Verdict**
			5850-5860	**Above 5860**	
11AC80SISO	Ant1	5775	-45.645	-45.856	PASS

Test Graph

11A-Ant1-5180



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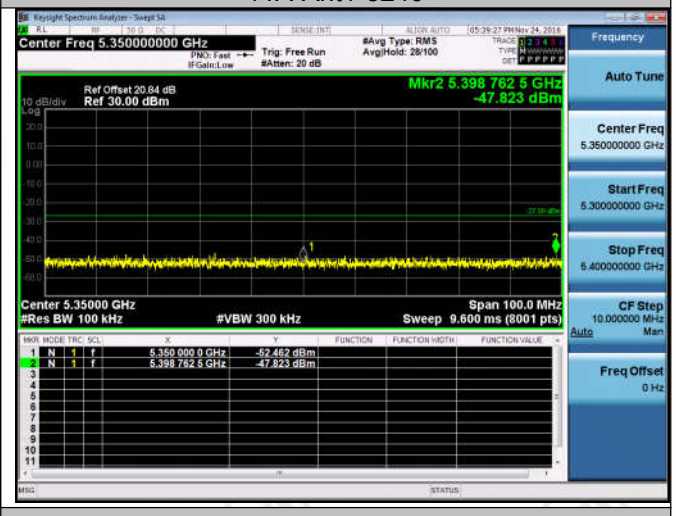

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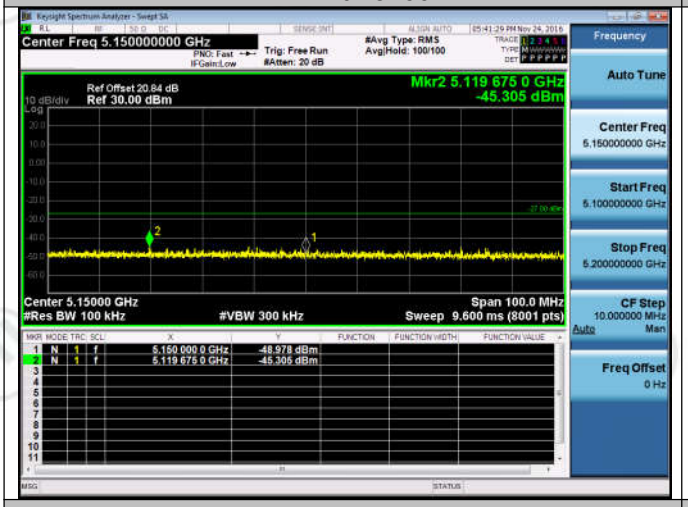

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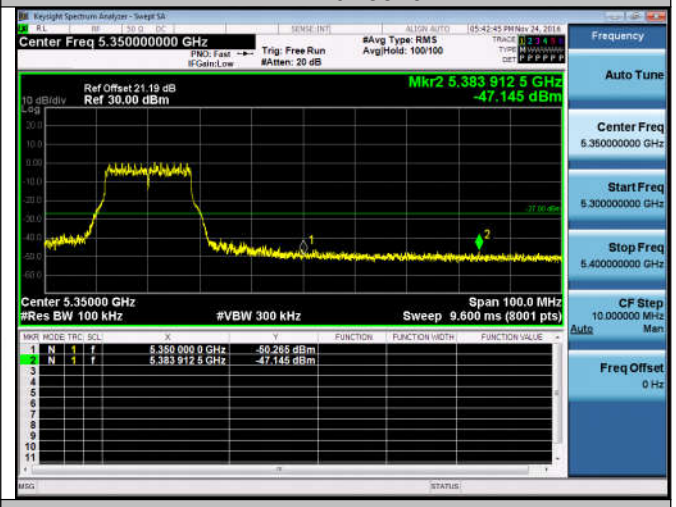
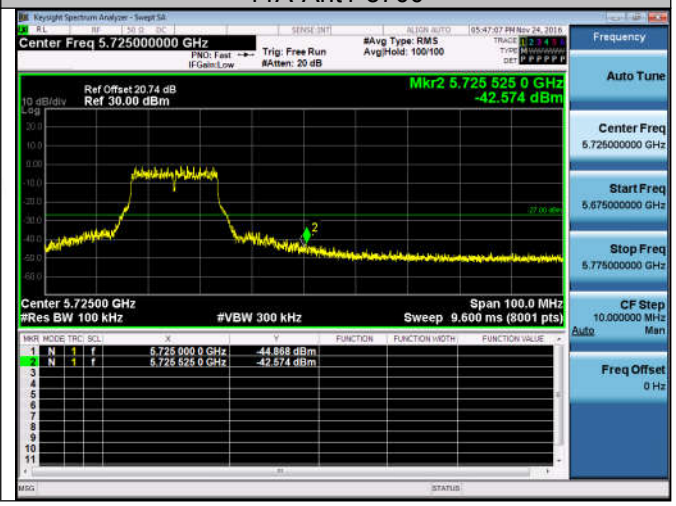


11A-Ant1-5500

11A-Ant1-5700



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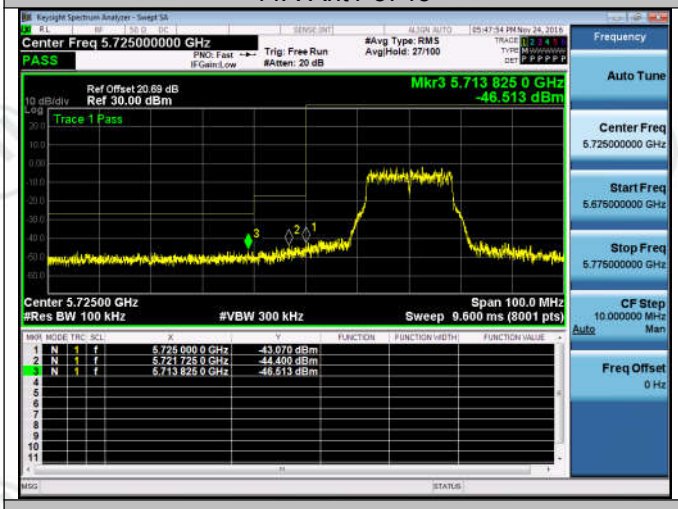

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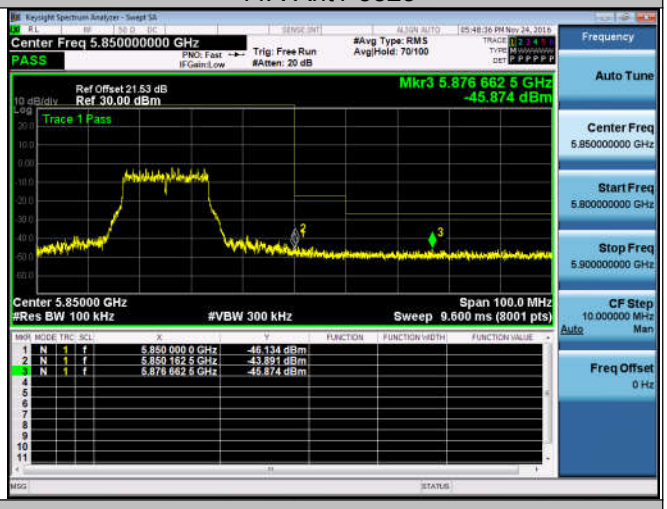

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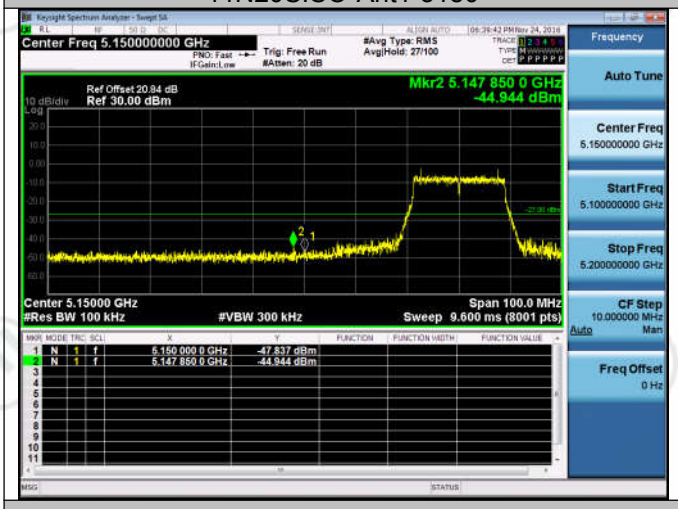

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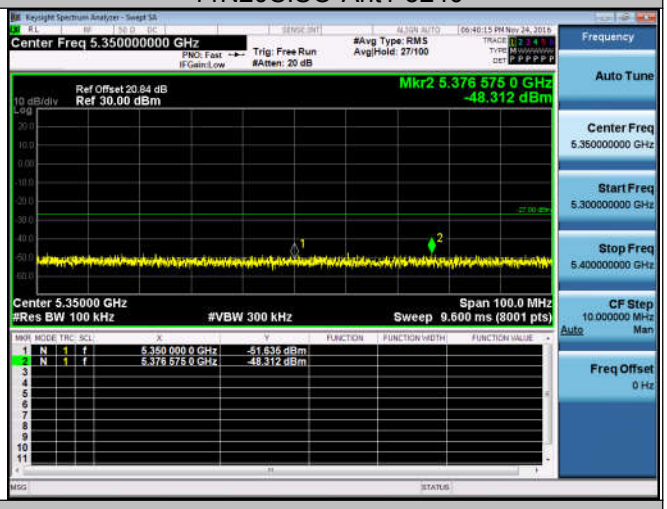

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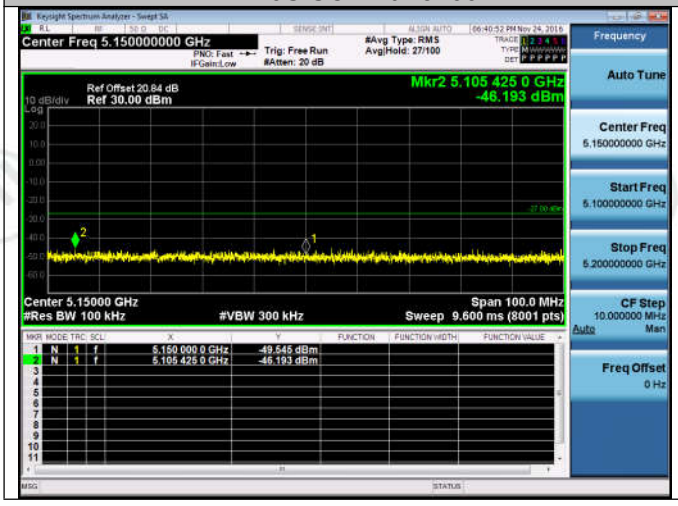

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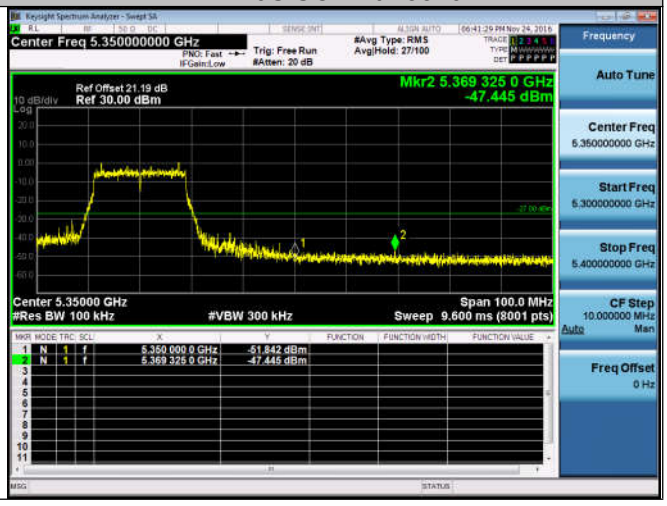

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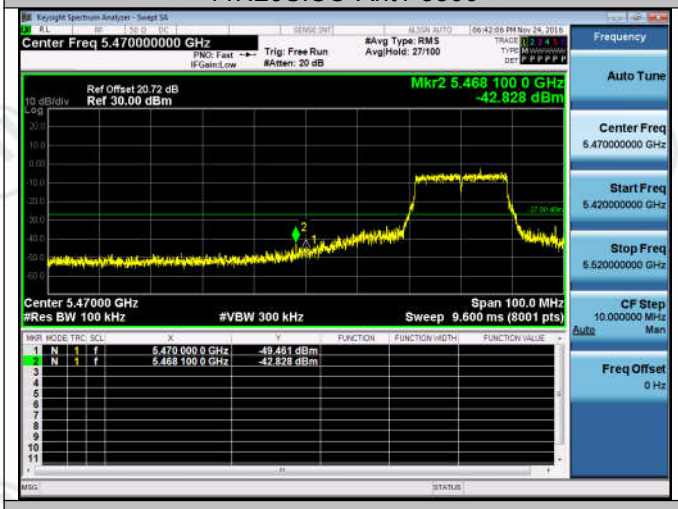

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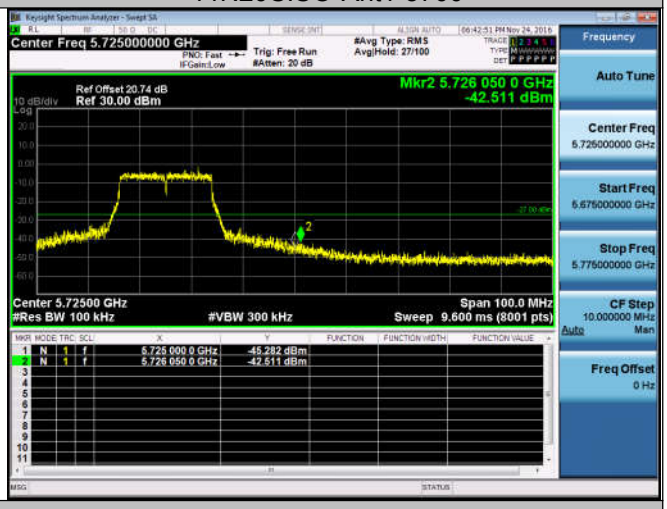

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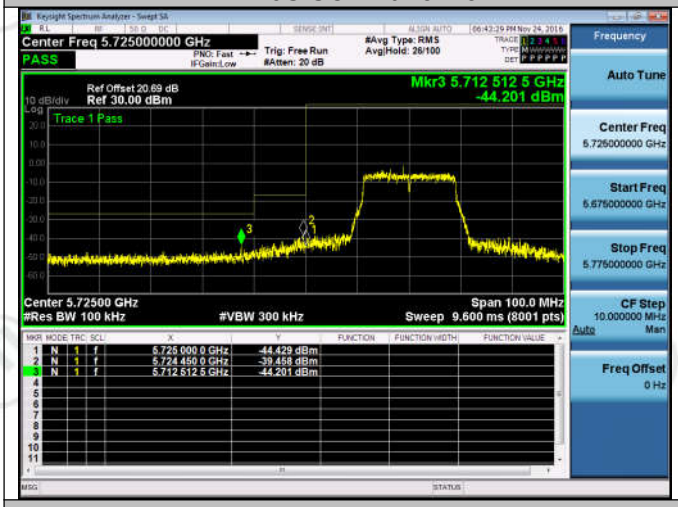

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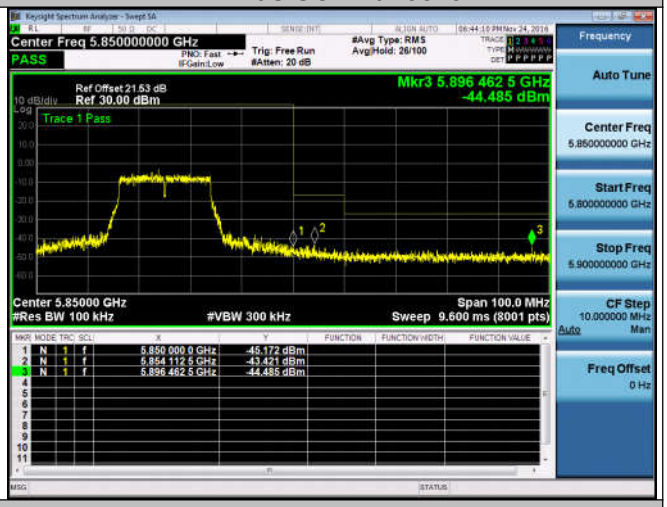

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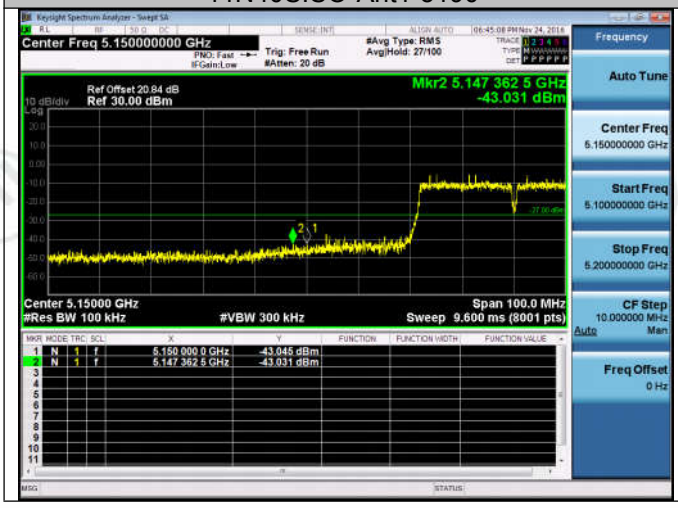

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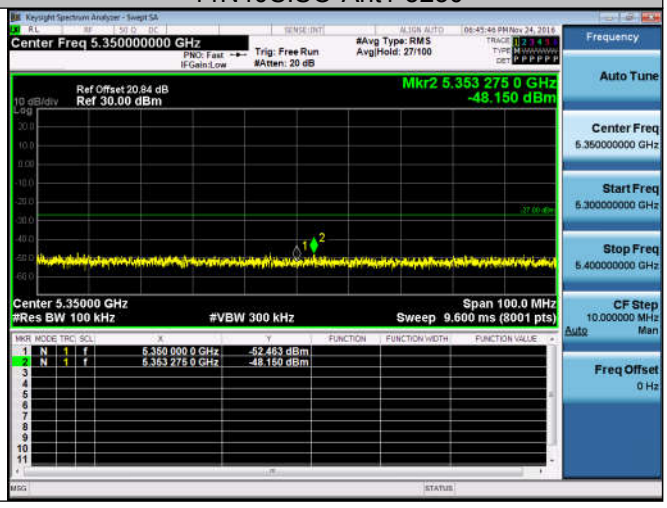

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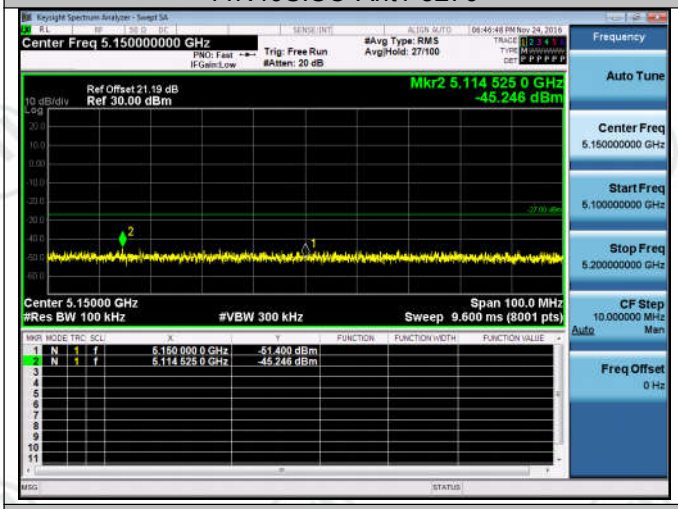

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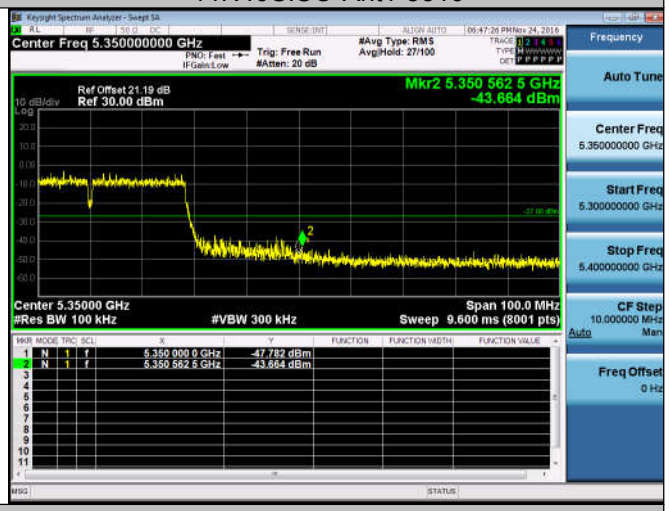

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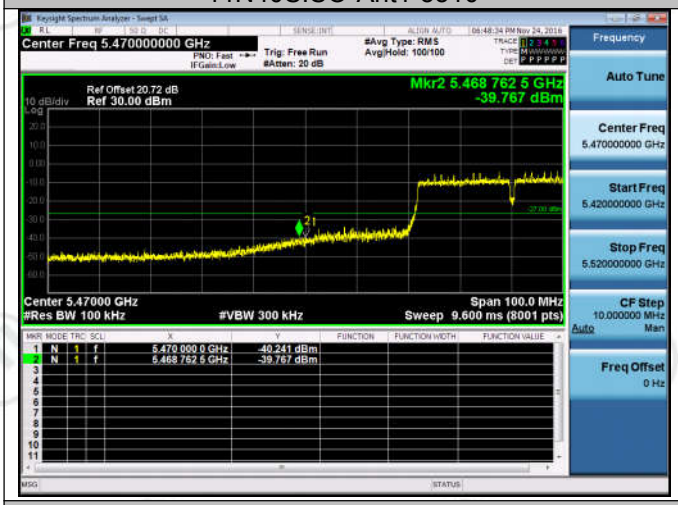

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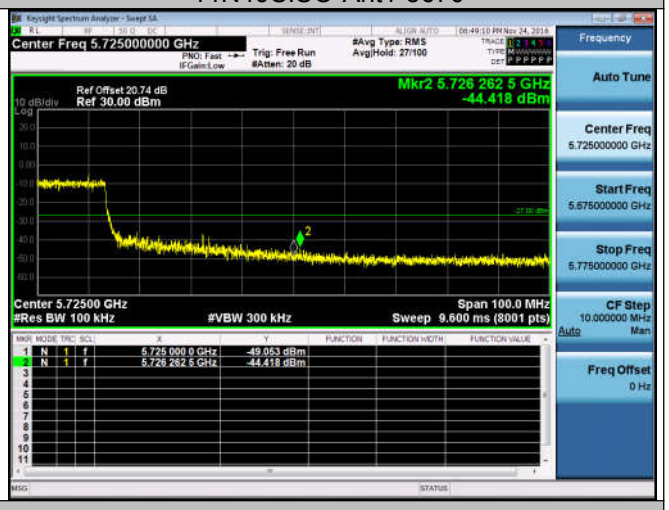

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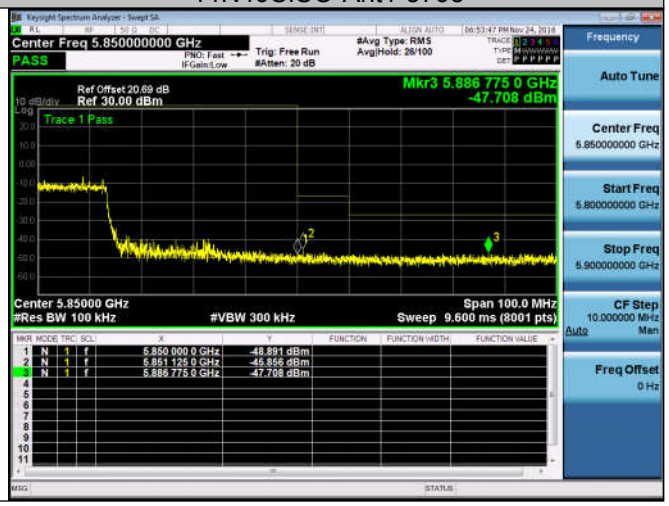
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