

11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



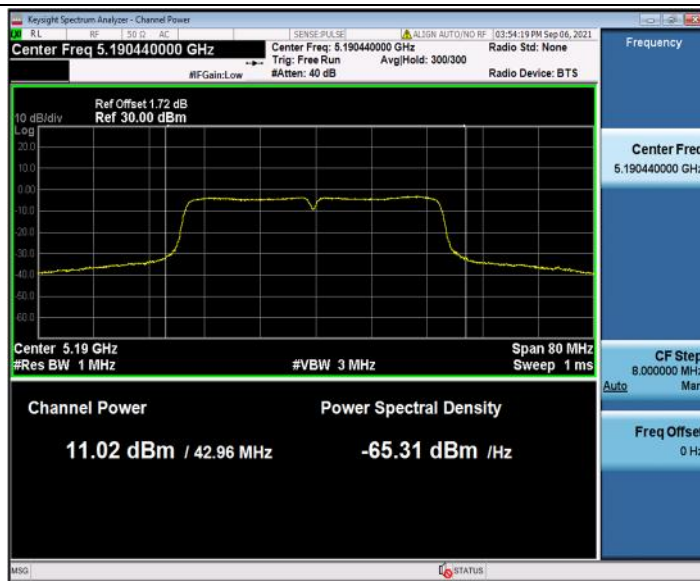
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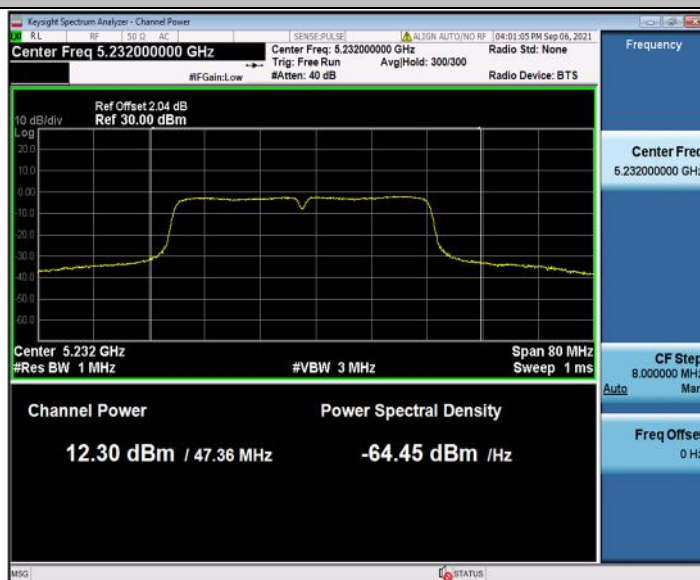
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11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



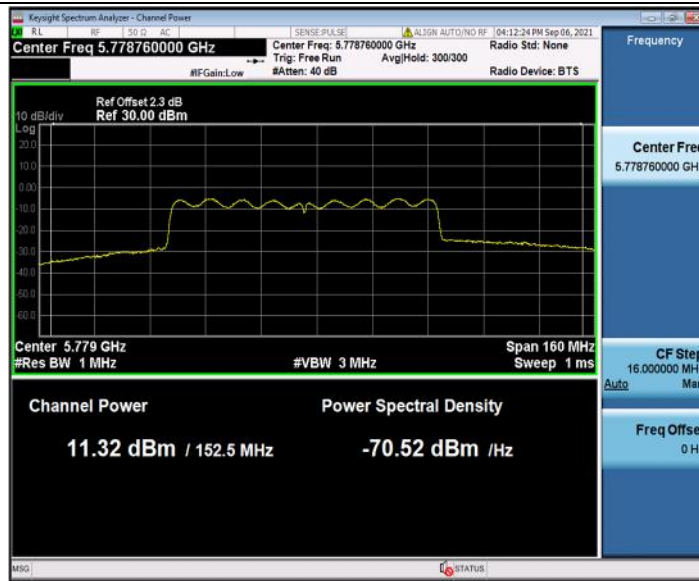
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

Appendix C: Maximum power spectral density

Test Result

For FCC reviewer:

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.27	≤11	PASS
		5200	1.53	≤11	PASS
		5240	0.82	≤11	PASS
		5745	-3.39	≤30	PASS
		5785	-3.23	≤30	PASS
		5825	-1.96	≤30	PASS
11N20SISO	Ant1	5180	-0.31	≤11	PASS
		5200	0.85	≤11	PASS
		5240	1.67	≤11	PASS
		5745	-3.12	≤30	PASS
		5785	-3.18	≤30	PASS
		5825	-2.2	≤30	PASS
11N40SISO	Ant1	5190	-1.07	≤11	PASS
		5230	-1.91	≤11	PASS
		5755	-6.14	≤30	PASS
		5795	-5.67	≤30	PASS
11AC20SISO	Ant1	5180	-0.2	≤11	PASS
		5200	0.13	≤11	PASS
		5240	0.64	≤11	PASS
		5745	-3.25	≤30	PASS
		5785	-2.93	≤30	PASS
		5825	-2.82	≤30	PASS
11AC40SISO	Ant1	5190	-2.9	≤11	PASS
		5230	-1.71	≤11	PASS
		5755	-6.57	≤30	PASS
		5795	-6.08	≤30	PASS
11AC80SISO	Ant1	5210	-2.44	≤11	PASS
		5775	-8.00	≤30	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725- 5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

For IC reviewer:

TestMode	Antenna	Channel	Result [dBm/MHz]	Antenna Gain[dBi]	E.I.R.P [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	0.27	3.91	4.18	<=10	PASS
		5200	1.53	3.91	5.44	<=10	PASS
		5240	0.82	3.91	4.73	<=10	PASS
		5745	-3.39	4.05	0.66	<=30	PASS
		5785	-3.23	4.05	0.82	<=30	PASS
		5825	-1.96	4.05	2.09	<=30	PASS
11N20SISO	Ant1	5180	-0.31	3.91	3.60	<=10	PASS
		5200	0.85	3.91	4.76	<=10	PASS
		5240	1.67	3.91	5.58	<=10	PASS
		5745	-3.12	4.05	0.93	<=30	PASS
		5785	-3.18	4.05	0.87	<=30	PASS
		5825	-2.20	4.05	1.85	<=30	PASS
11N40SISO	Ant1	5190	-1.07	3.91	2.84	<=10	PASS
		5230	-1.91	3.91	2.00	<=10	PASS
		5755	-6.14	4.05	-2.09	<=30	PASS
		5795	-5.67	4.05	-1.62	<=30	PASS
11AC20SISO	Ant1	5180	-0.20	3.91	3.71	<=10	PASS
		5200	0.13	3.91	4.04	<=10	PASS
		5240	0.64	3.91	4.55	<=10	PASS
		5745	-3.25	4.05	0.80	<=30	PASS
		5785	-2.93	4.05	1.12	<=30	PASS
		5825	-2.82	4.05	1.23	<=30	PASS
11AC40SISO	Ant1	5190	-2.9	3.91	1.01	<=10	PASS
		5230	-1.71	3.91	2.20	<=10	PASS
		5755	-6.57	4.05	-2.52	<=30	PASS
		5795	-6.08	4.05	-2.03	<=30	PASS
11AC80SISO	Ant1	5210	-2.44	3.91	1.47	<=10	PASS
		5775	-8.00	4.05	-3.95	<=30	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725- 5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs



11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5755



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

Appendix D: Band edge measurements

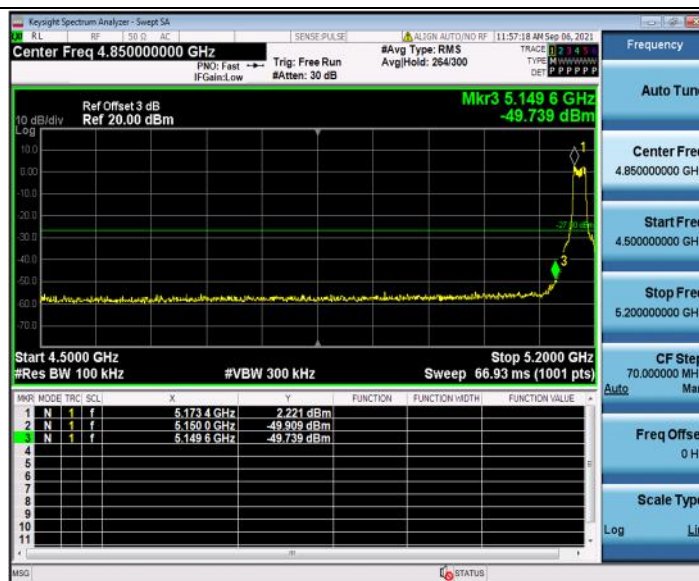
Test Result

TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-49.74	≤-27	PASS
		High	5240	-55.26	≤-27	PASS
11N20SISO	Ant1	Low	5180	-48.91	≤-27	PASS
		High	5240	-54.75	≤-27	PASS
11N40SISO	Ant1	Low	5190	-37.15	≤-27	PASS
		High	5230	-55.24	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-49.78	≤-27	PASS
		High	5240	-56.85	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-37.68	≤-27	PASS
		High	5230	-55.42	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-33.4	≤-27	PASS
		High	5210	-53.58	≤-27	PASS

TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-50.64	≤7.08	PASS
				5700~5720	-39.97	≤15.18	PASS
				5720~5725	-30.61	≤25.52	PASS
				5760~5650	-56.55	≤-27	PASS
		High	5825	5850~5855	-32.43	≤21.95	PASS
				5855~5875	-37.96	≤10.02	PASS
				5875~5925	-50.48	≤-25.86	PASS
				5925~5935	-55.2	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-49.95	≤9.98	PASS
				5700~5720	-38.85	≤15.59	PASS
				5720~5725	-27.35	≤25.52	PASS
				5760~5650	-56.52	≤-27	PASS
		High	5825	5850~5855	-32.03	≤15.79	PASS
				5855~5875	-35.44	≤10.02	PASS
				5875~5925	-49.61	≤-26.06	PASS
				5925~5935	-55.91	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-38.99	≤9.06	PASS
				5700~5720	-27.82	≤14.97	PASS
				5720~5725	-26.12	≤24.97	PASS
				5780~5650	-53.25	≤-27	PASS
		High	5795	5850~5855	-34.47	≤19.04	PASS
				5855~5875	-35.33	≤11.06	PASS

				5875~5925	-44.4	≤ -24.24	PASS
				5925~5935	-54.31	≤ -27	PASS
11AC20SIS O	Ant1	Low	5745	5650~5700	-49.83	≤ 9.98	PASS
				5700~5720	-39.21	≤ 15.18	PASS
				5720~5725	-28.46	≤ 25.52	PASS
				5760~5650	-56.67	≤ -27	PASS
		High	5825	5850~5855	-31.79	≤ 17.64	PASS
				5855~5875	-35.14	≤ 10.25	PASS
				5875~5925	-50.39	≤ -26.06	PASS
				5925~5935	-55.09	≤ -27	PASS
11AC40SIS O	Ant1	Low	5755	5650~5700	-39.62	≤ 9.06	PASS
				5700~5720	-26.34	≤ 15.24	PASS
				5720~5725	-25.17	≤ 21.28	PASS
				5780~5650	-54.09	≤ -27	PASS
		High	5795	5850~5855	-32.91	≤ 17.16	PASS
				5855~5875	-34.88	≤ 11.06	PASS
				5875~5925	-44.28	≤ -24.24	PASS
				5925~5935	-54.51	≤ -27	PASS
11AC80SIS O	Ant1	Low	5775	5650~5700	-30.44	≤ 8.41	PASS
				5700~5720	-27.99	≤ 15.35	PASS
				5720~5725	-26.96	≤ 22.01	PASS
				5800~5650	-47.19	≤ -27	PASS
		High	5775	5850~5855	-23.47	≤ 21.28	PASS
				5855~5875	-21.81	≤ 12.09	PASS
				5875~5925	-32.06	≤ -25.72	PASS
				5925~5935	-40.04	≤ -27	PASS

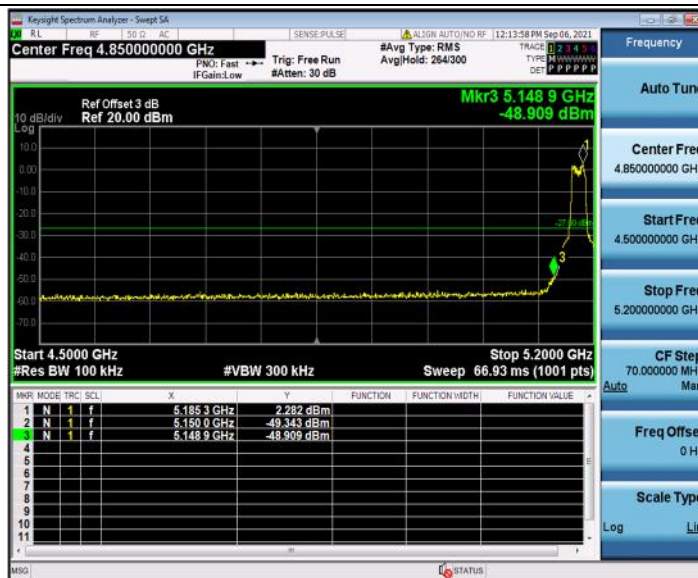
Test Graphs



11A_Ant1_Low_5180



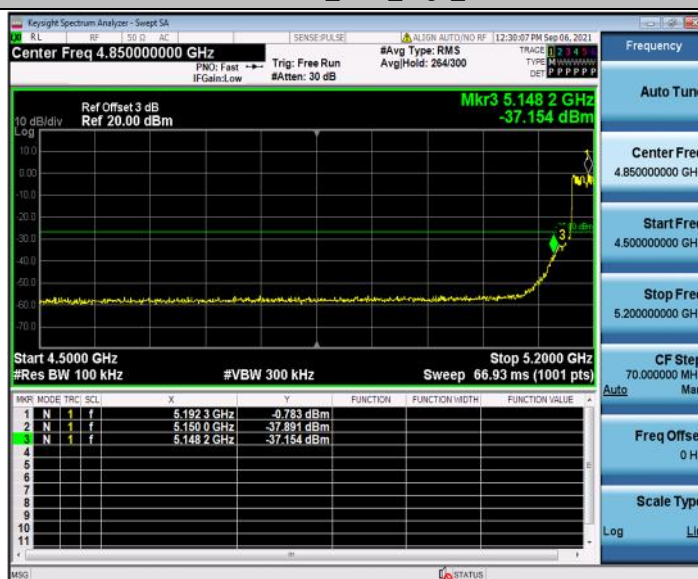
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11N20SISO_Ant1_Low_5180



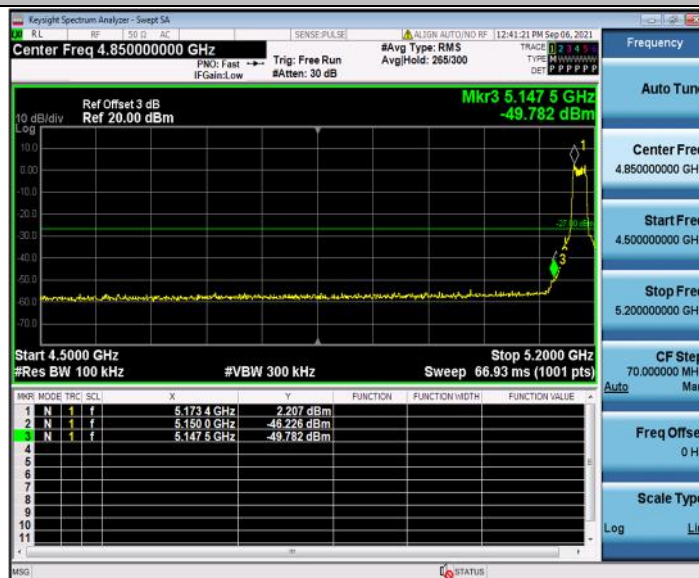
11N20SISO_Ant1_High_5240



11N40SISO_Ant1_Low_5190



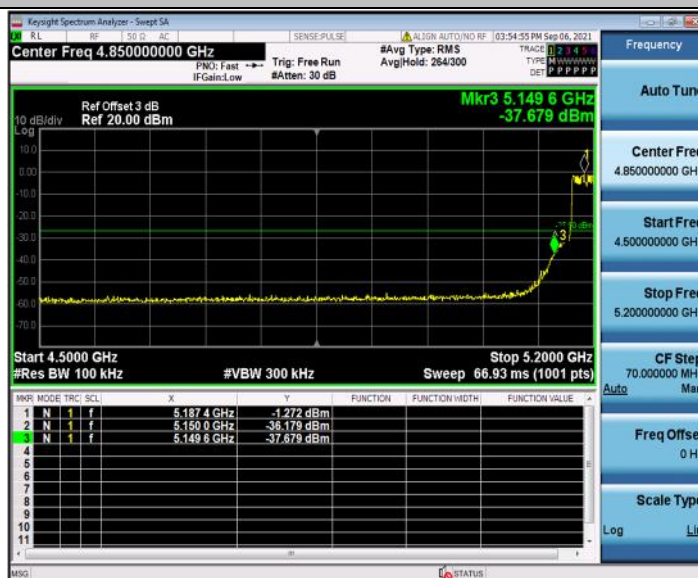
11N40SISO_Ant1_High_5230



11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775

Appendix E: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq [MHz]	EIRP [dBm]	Limit [dBm]	Verdict
11AC40SIS O	Ant1	High	5230	AV	5350.000	-55.94	≤-41.20	PASS
				AV	5372.380	-55.65	≤-41.20	PASS
				AV	5460.000	-56.32	≤-41.20	PASS
				Peak	5350.000	-49.01	≤-21.20	PASS
				Peak	5406.180	-46.47	≤-21.20	PASS
				Peak	5460.000	-49.76	≤-21.20	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs



11AC40SISO_Ant1_High_5230_AV



11AC40SISO_Ant1_High_5230_Peak