

10.2 Appendix A2: Occupied channel bandwidth

10.2.1 Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.187	5171.3944	5188.5814	---	---
		5220	17.561	5211.2951	5228.8561	---	---
		5240	17.343	5231.3669	5248.7099	---	---
		5260	17.199	5251.3991	5268.5981	---	---
		5300	17.201	5291.3860	5308.5870	---	---
		5320	17.140	5311.4234	5328.5634	---	---
		5500	17.250	5491.4311	5508.6811	---	---
		5580	17.474	5571.2740	5588.7480	---	---
		5700	17.126	5691.4275	5708.5535	---	---
		5745	16.527	5736.7421	5753.2691	---	---
		5785	17.211	5776.4026	5793.6136	---	---
11N20SISO	Ant1	5180	18.166	5170.9208	5189.0868	---	---
	Ant2	5180	18.228	5170.8797	5189.1077	---	---
	Ant1	5220	18.550	5210.8266	5229.3766	---	---
	Ant2	5220	18.687	5210.8116	5229.4986	---	---
	Ant1	5240	18.353	5230.8279	5249.1809	---	---
	Ant2	5240	18.638	5230.7327	5249.3707	---	---
	Ant1	5260	18.151	5250.9323	5269.0833	---	---
	Ant2	5260	18.236	5250.9228	5269.1588	---	---
	Ant1	5300	18.311	5290.8368	5309.1478	---	---
	Ant2	5300	18.161	5290.9254	5309.0864	---	---
	Ant1	5320	18.189	5310.9200	5329.1090	---	---
	Ant2	5320	18.190	5310.8859	5329.0759	---	---
	Ant1	5500	18.295	5490.9115	5509.2065	---	---
	Ant2	5500	18.268	5490.9533	5509.2213	---	---
	Ant1	5580	18.463	5570.7580	5589.2210	---	---
	Ant2	5580	18.439	5570.7999	5589.2389	---	---
	Ant1	5700	18.148	5690.9132	5709.0612	---	---
	Ant2	5700	18.228	5690.8879	5709.1159	---	---
	Ant1	5745	17.625	5736.1947	5753.8197	---	---
	Ant2	5745	17.621	5736.2102	5753.8312	---	---
	Ant1	5785	18.217	5775.8759	5794.0929	---	---
Ant2	5785	18.264	5775.9062	5794.1702	---	---	
Ant1	5825	18.266	5815.9549	5834.2209	---	---	
Ant2	5825	18.145	5815.9882	5834.1332	---	---	
11N40SISO	Ant1	5190	36.447	5171.7597	5208.2067	---	---
	Ant2	5190	36.263	5171.8688	5208.1318	---	---
	Ant1	5230	36.380	5211.9233	5248.3033	---	---
	Ant2	5230	36.429	5211.9441	5248.3731	---	---
	Ant1	5270	36.325	5251.8579	5288.1829	---	---
	Ant2	5270	36.482	5251.8867	5288.3687	---	---
	Ant1	5310	36.347	5291.8469	5328.1939	---	---
	Ant2	5310	36.392	5291.7973	5328.1893	---	---



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Ant1	5510	36.323	5491.9813	5528.3043	---	---
Ant2	5510	36.313	5491.8832	5528.1962	---	---
Ant1	5550	36.554	5531.7823	5568.3363	---	---
Ant2	5550	36.503	5531.6732	5568.1762	---	---
Ant1	5670	36.427	5651.8181	5688.2451	---	---
Ant2	5670	36.361	5651.7807	5688.1417	---	---
Ant1	5755	35.940	5736.9957	5772.9357	---	---
Ant2	5755	36.082	5736.9813	5773.0633	---	---
Ant1	5795	36.592	5776.7521	5813.3441	---	---
Ant2	5795	36.501	5776.8606	5813.3616	---	---

10.2.2 Test Graphs

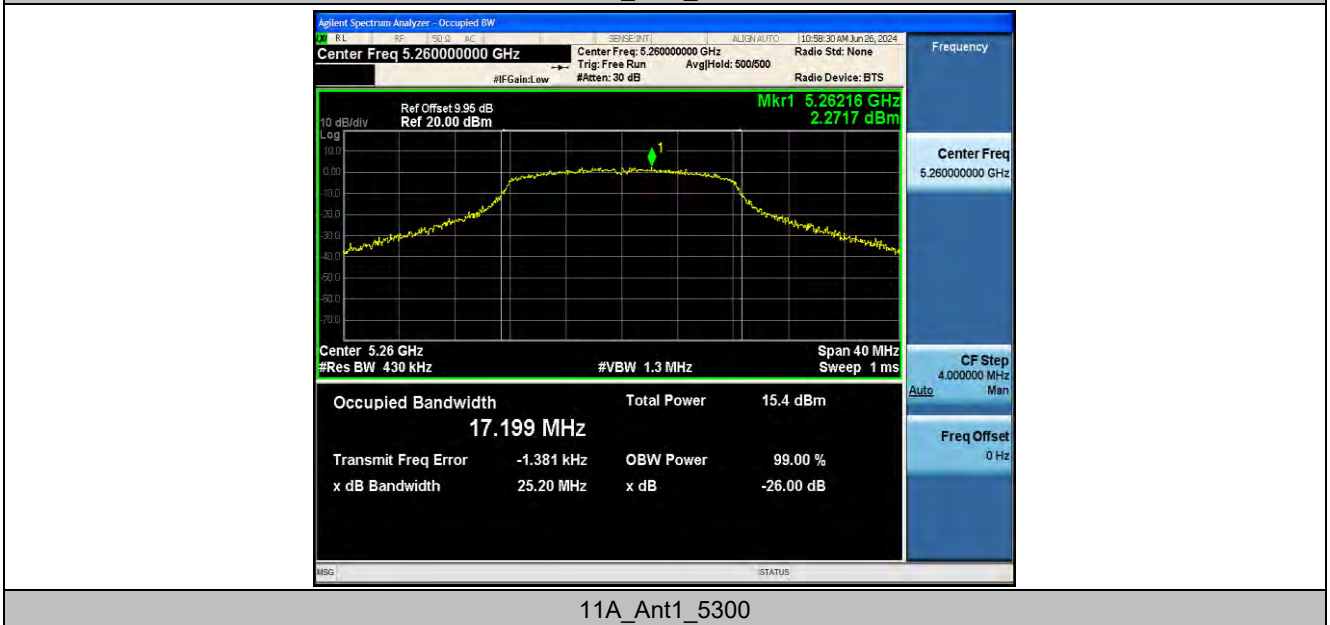


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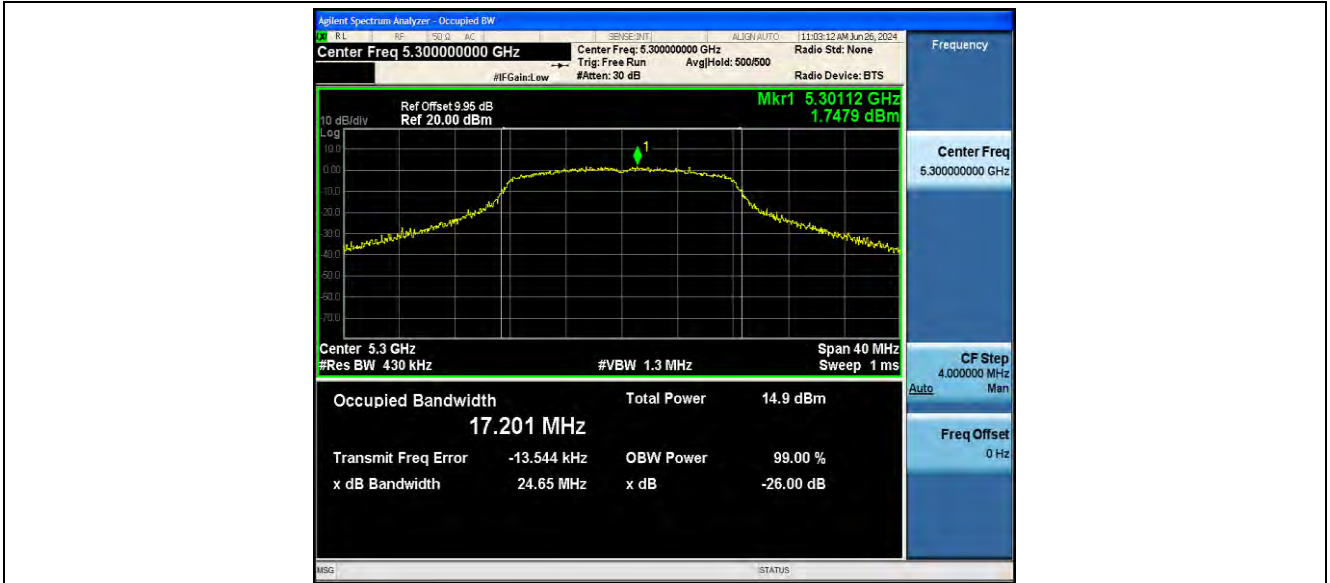


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11A_Ant1_5320



11A_Ant1_5500

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11A_Ant1_5580



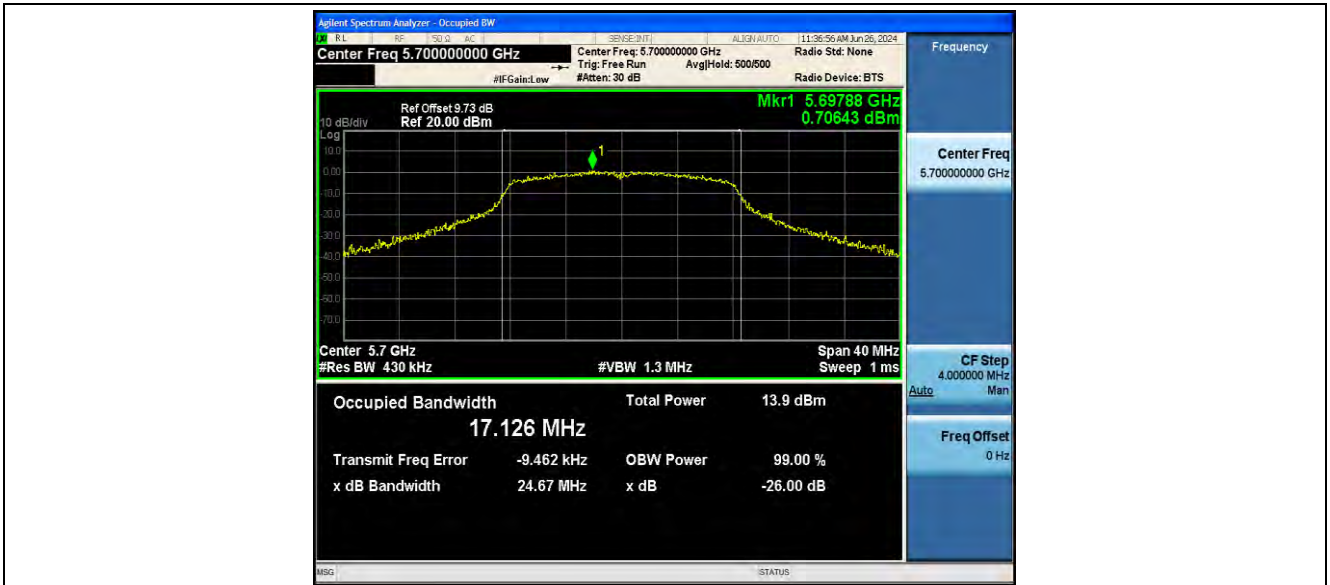
11A_Ant1_5700

Compliance Certification Services (Kunshan) Inc.

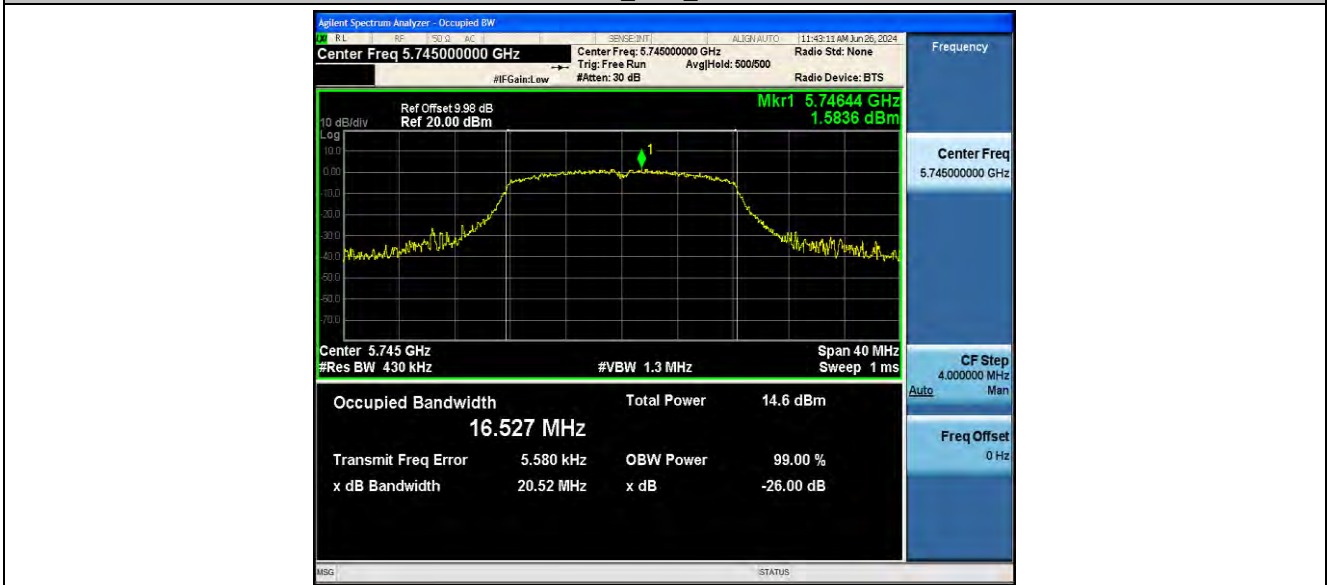
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11A_Ant1_5745



11A_Ant1_5785

Compliance Certification Services (Kunshan) Inc.

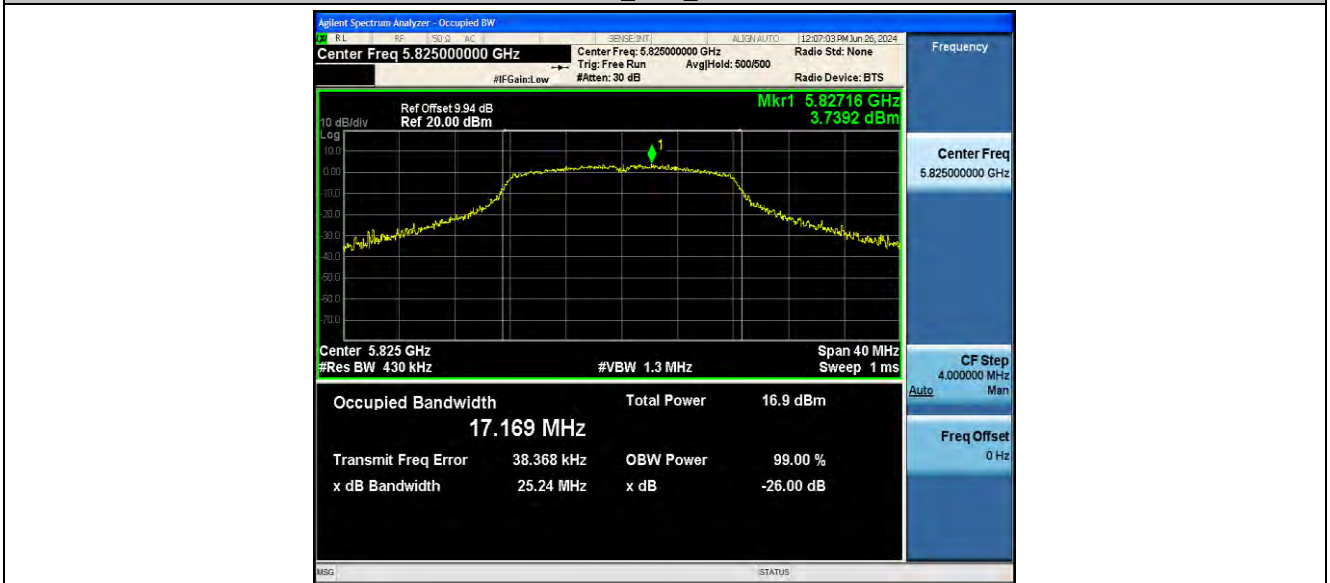
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11A_Ant1_5825



11N20SISO_Ant1_5180

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11N20SISO_Ant2_5180



11N20SISO_Ant1_5220

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11N20SISO_Ant2_5220



11N20SISO_Ant1_5240

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11N20SISO_Ant2_5240



11N20SISO_Ant1_5260

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11N20SISO_Ant2_5260



11N20SISO_Ant1_5300

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11N20SISO_Ant2_5300



11N20SISO_Ant1_5320

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11N20SISO_Ant2_5320



11N20SISO_Ant1_5500

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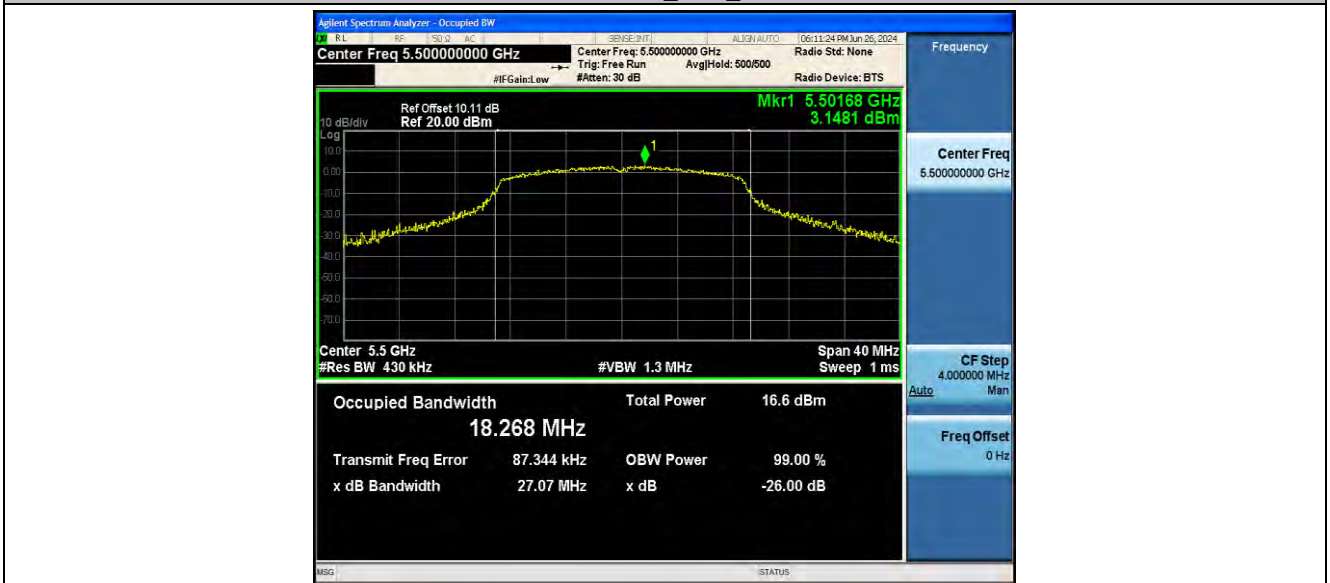
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11N20SISO_Ant2_5500



11N20SISO_Ant1_5580

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11N20SISO_Ant2_5580



11N20SISO_Ant1_5700

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11N20SISO_Ant2_5700



11N20SISO_Ant1_5745

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11N20SISO_Ant2_5745



11N20SISO_Ant1_5785

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11N20SISO_Ant2_5785



11N20SISO_Ant1_5825

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11N20SISO_Ant2_5825



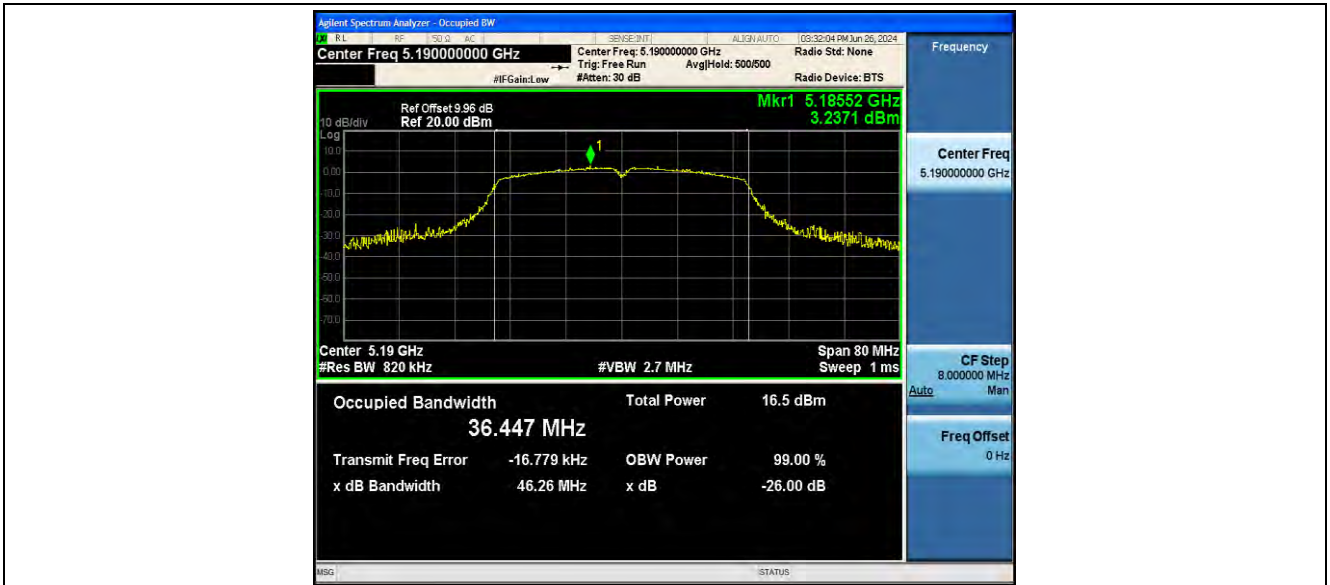
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Compliance Certification Services (Kunshan) Inc.

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11N40SISO_Ant2_5190



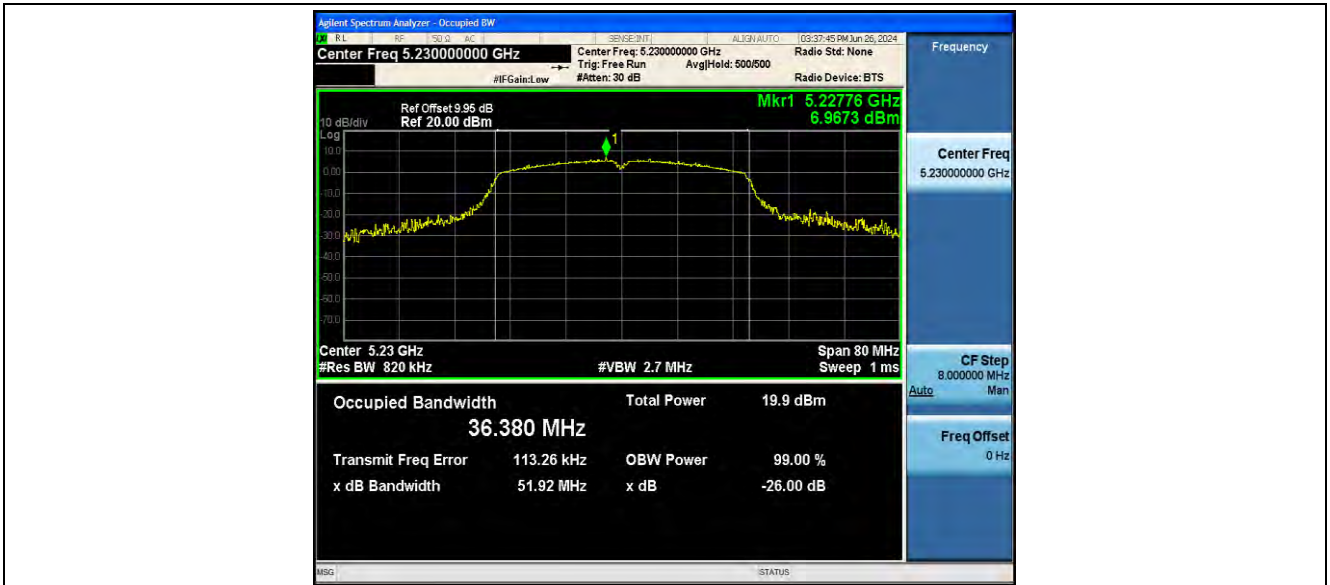
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Compliance Certification Services (Kunshan) Inc.

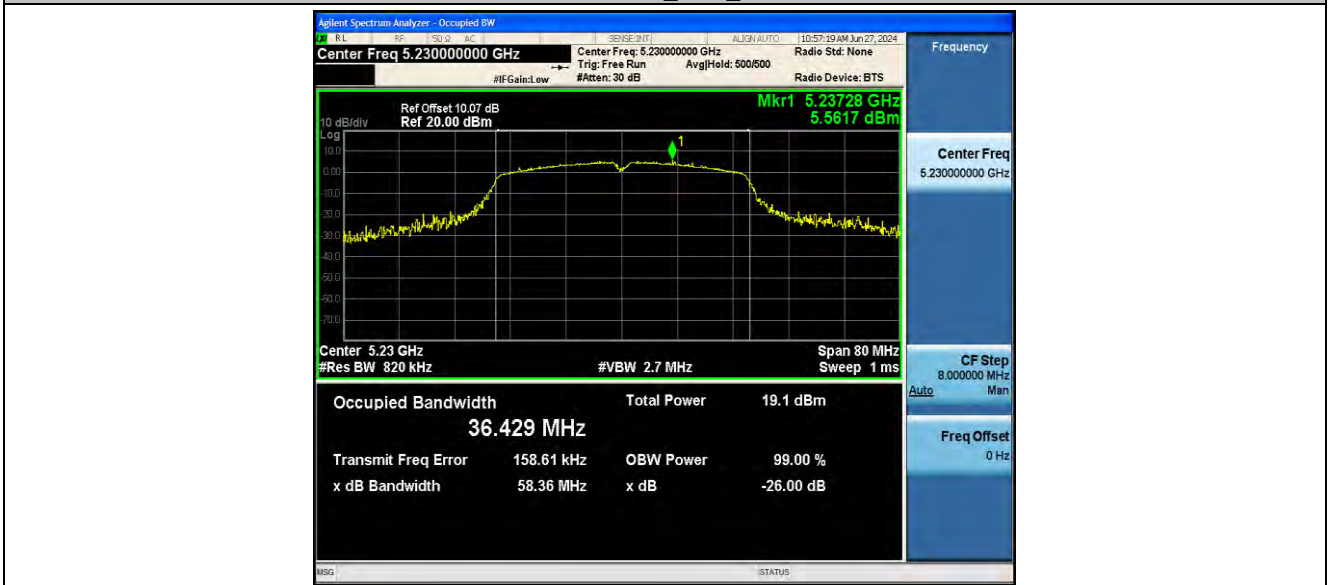
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11N40SISO_Ant2_5230



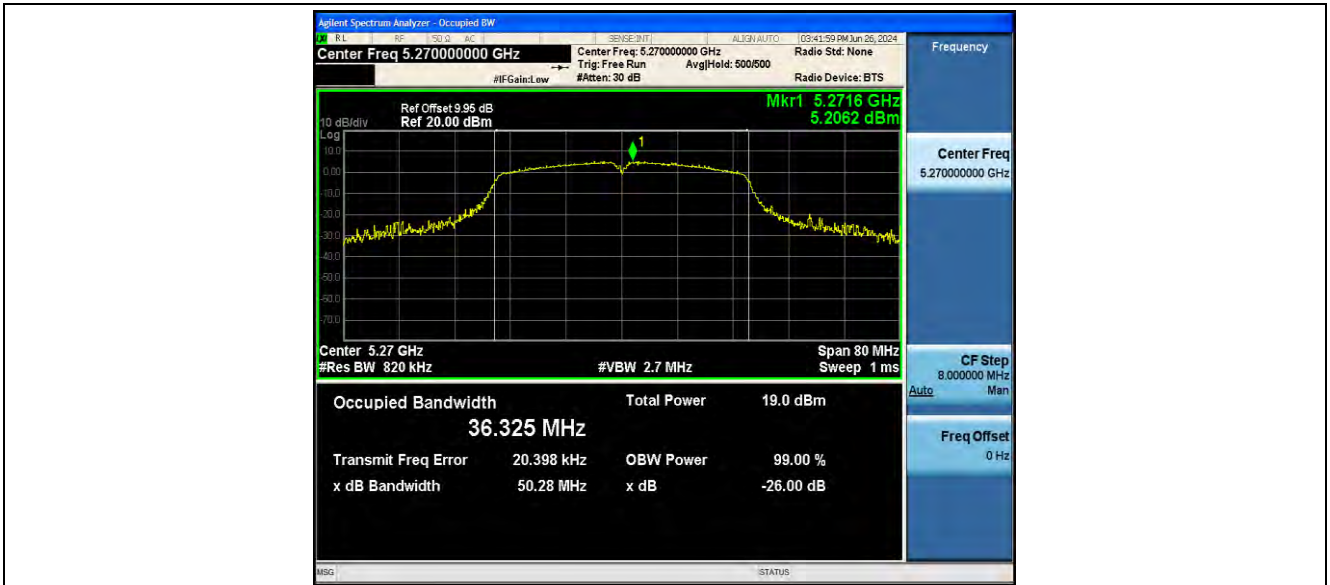
11N40SISO_Ant1_5270

Compliance Certification Services (Kunshan) Inc.

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11N40SISO_Ant2_5270



11N40SISO_Ant1_5310

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11N40SISO_Ant2_5510



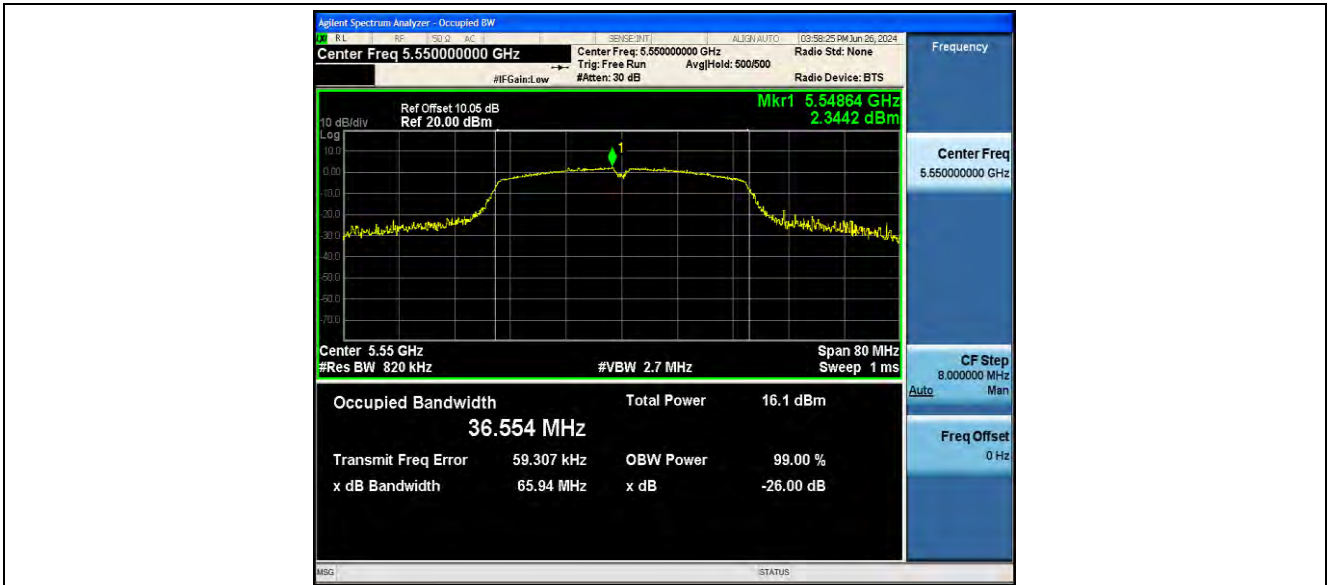
11N40SISO_Ant1_5550

Compliance Certification Services (Kunshan) Inc.

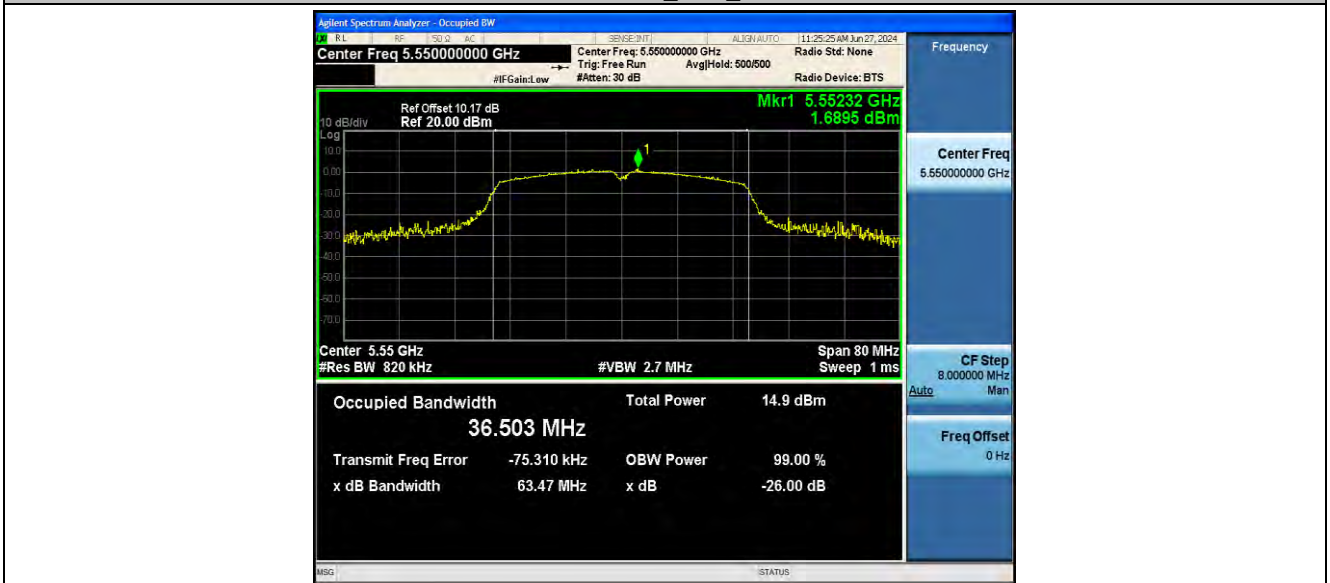
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11N40SISO_Ant2_5550



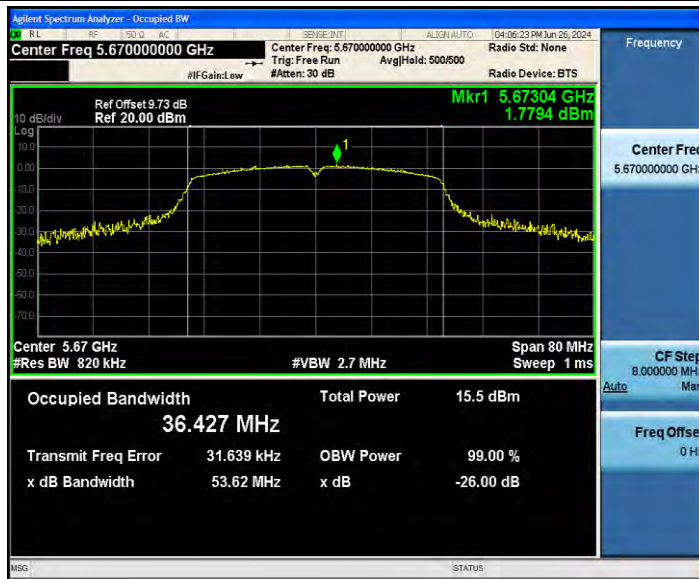
11N40SISO_Ant1_5670

Compliance Certification Services (Kunshan) Inc.

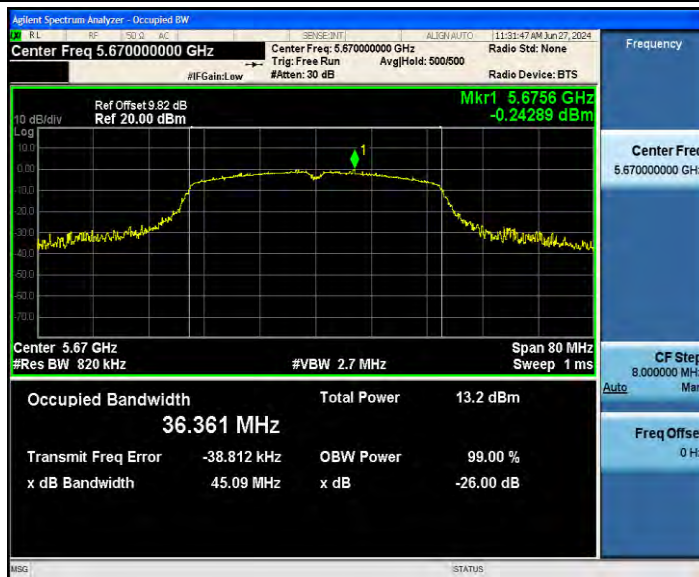
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11N40SISO_Ant2_5670



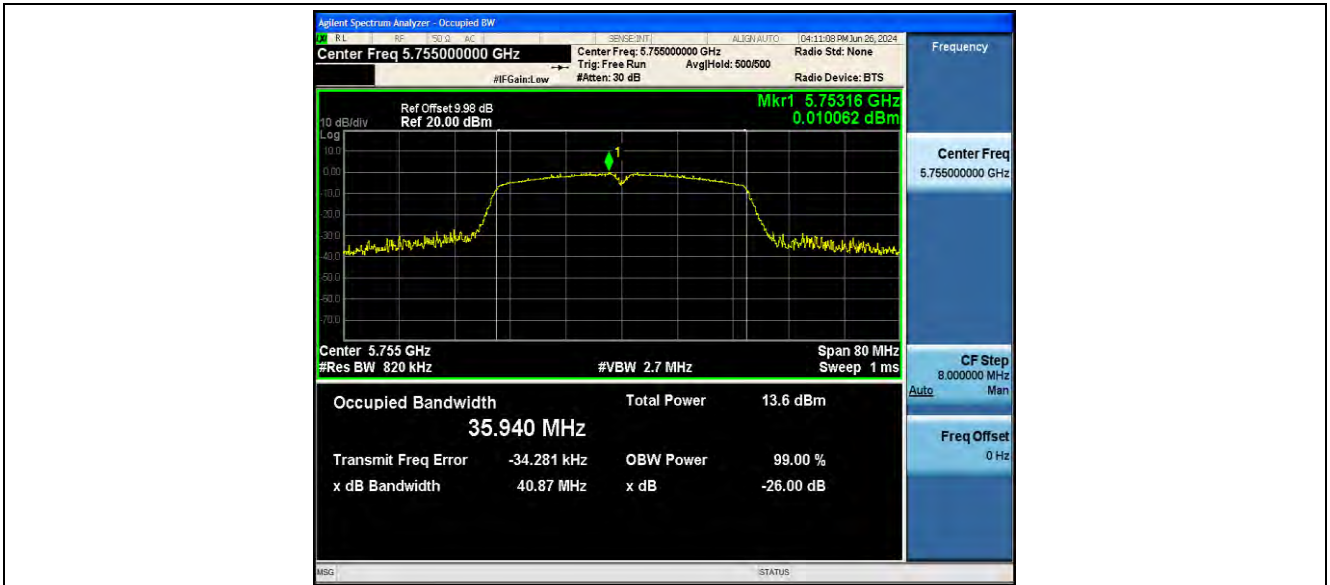
11N40SISO_Ant1_5755

Compliance Certification Services (Kunshan) Inc.

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11N40SISO_Ant2_5755



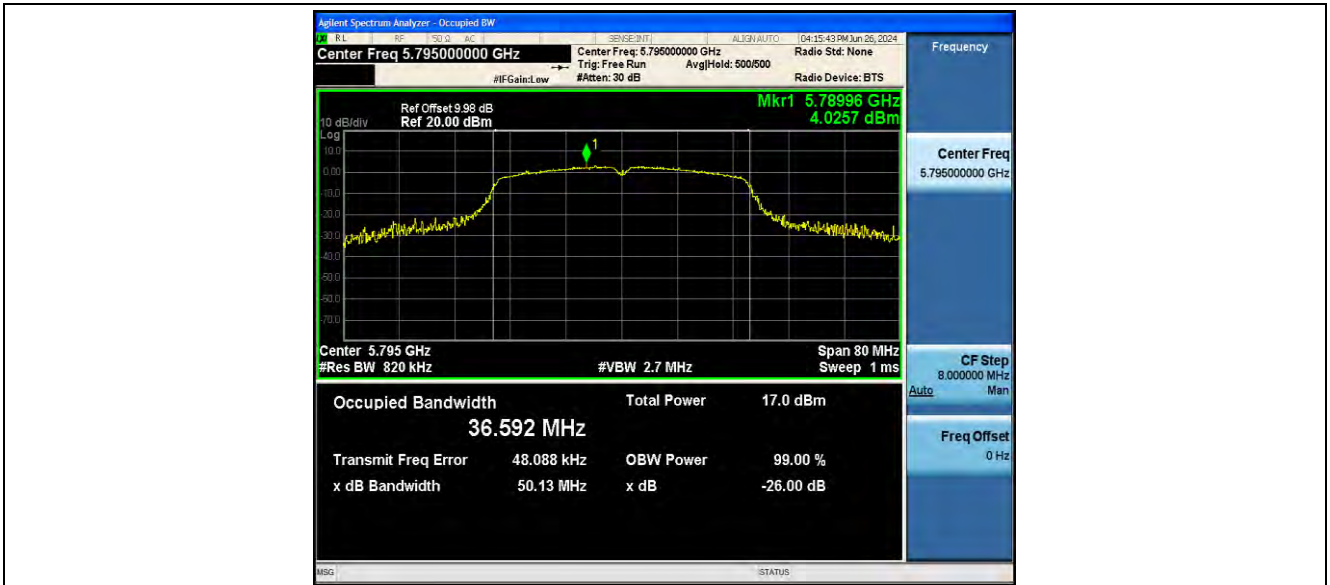
11N40SISO_Ant1_5795

Compliance Certification Services (Kunshan) Inc.

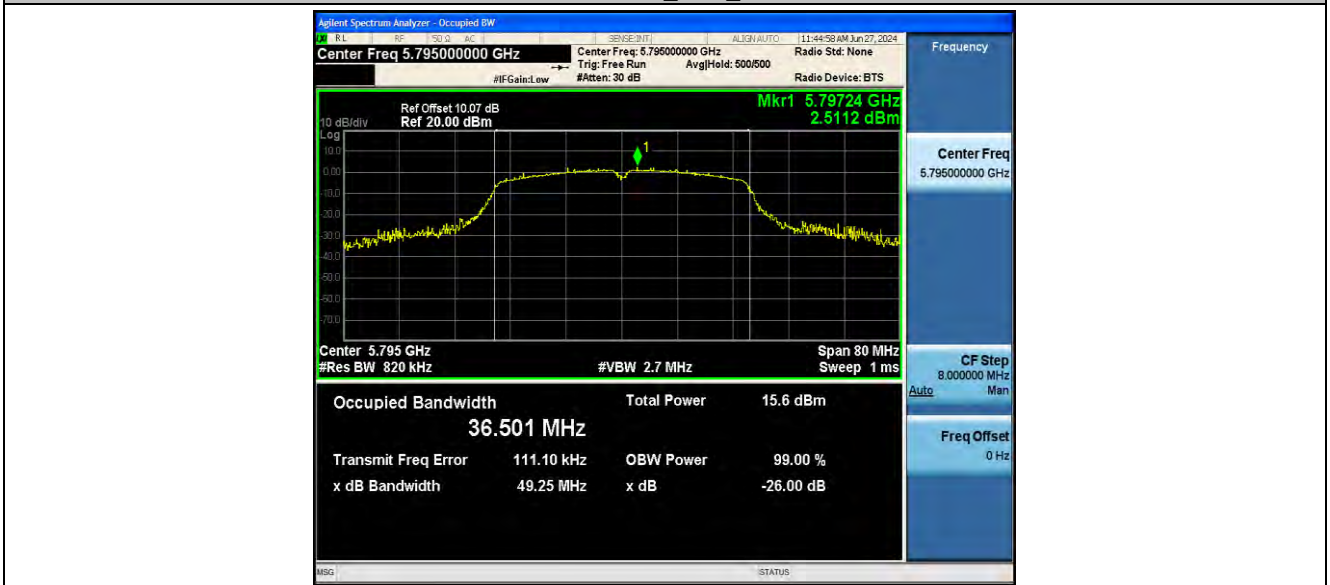
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11N40SISO_Ant2_5795



10.3 Appendix A3: Min emission bandwidth

10.3.1 Test Result

Test Mode	Antenna	Channel	6dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.040	5737.480	5752.520	0.5	PASS
		5785	14.120	5777.440	5791.560	0.5	PASS
		5825	14.040	5817.480	5831.520	0.5	PASS
11N20SISO	Ant1	5745	15.040	5737.480	5752.520	0.5	PASS
	Ant2	5745	13.760	5737.480	5751.240	0.5	PASS
	Ant1	5785	15.000	5777.520	5792.520	0.5	PASS
	Ant2	5785	12.560	5778.680	5791.240	0.5	PASS
	Ant1	5825	14.760	5817.760	5832.520	0.5	PASS
	Ant2	5825	14.960	5817.520	5832.480	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
	Ant2	5755	35.040	5737.480	5772.520	0.5	PASS
	Ant1	5795	35.040	5777.480	5812.520	0.5	PASS
	Ant2	5795	33.840	5777.480	5811.320	0.5	PASS

10.3.2 Test Graphs


11A_Ant1_5785
11A_Ant1_5825

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11N20SISO_Ant1_5745



11N20SISO_Ant2_5745



11N20SISO_Ant1_5785



11N20SISO_Ant2_5785

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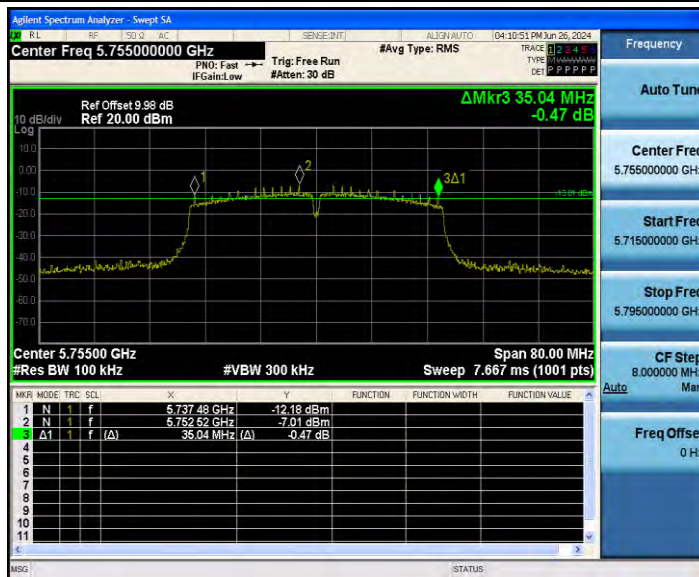
11N20SISO_Ant1_5825



11N20SISO_Ant2_5825



11N40SISO_Ant1_5755



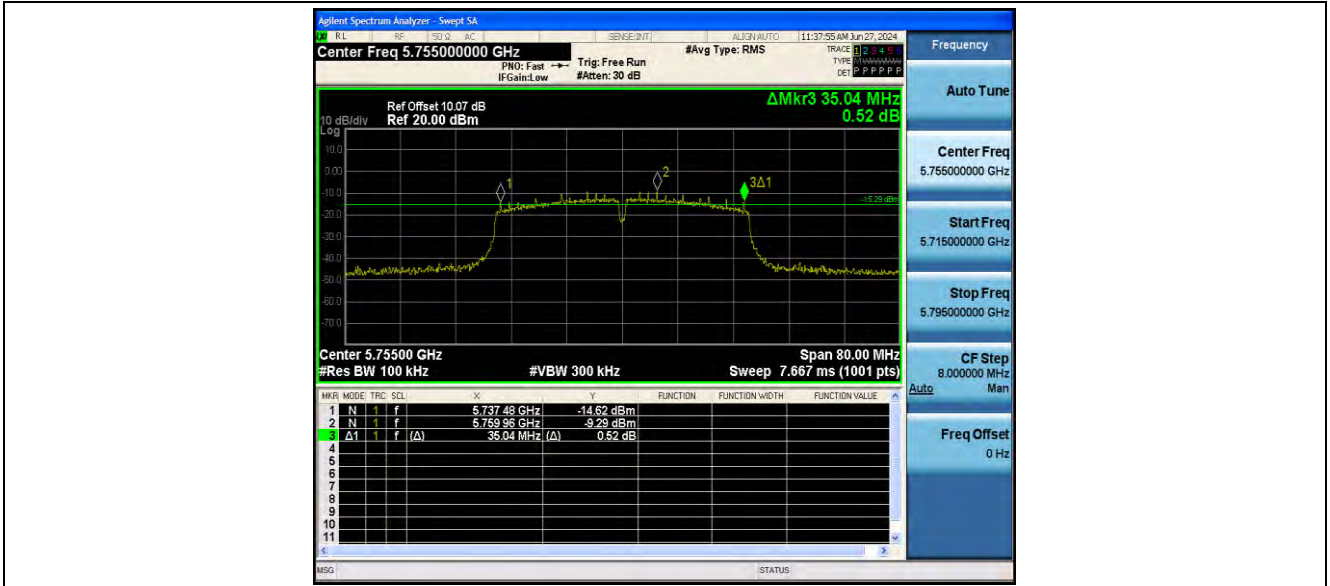
11N40SISO_Ant2_5755

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11N40SISO_Ant1_5795



11N40SISO_Ant2_5795

10.4 Appendix B: Maximum conducted output power

10.4.1 Test Result for FCC

Test Mode	Antenna	Channel	Level [dBm]	10Log(1/X) Factor [dB]	Power [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	12.31	0.17	12.48	≤23.98	PASS
		5220	11.40	0.18	11.58	≤23.98	PASS
		5240	11.42	0.17	11.59	≤23.98	PASS
		5260	8.30	0.18	8.48	≤23.98	PASS
		5300	7.76	0.18	7.94	≤23.98	PASS
		5320	8.17	0.17	8.34	≤23.98	PASS
		5500	6.85	0.16	7.01	≤23.98	PASS
		5580	8.35	0.18	8.53	≤23.98	PASS
		5700	6.86	0.17	7.03	≤23.98	PASS
		5745	7.47	0.18	7.65	≤30.00	PASS
		5785	9.59	0.18	9.77	≤30.00	PASS
		5825	9.74	0.17	9.91	≤30.00	PASS
11N20SISO	Ant1	5180	12.68	0.18	12.86	≤23.98	PASS
	Ant2	5180	13.11	0.19	13.30	≤23.98	PASS
	Ant1	5220	11.90	0.18	12.08	≤23.98	PASS
	Ant2	5220	12.60	0.19	12.79	≤23.98	PASS
	Ant1	5240	11.70	0.19	11.89	≤23.98	PASS
	Ant2	5240	12.91	0.19	13.10	≤23.98	PASS
	Ant1	5260	9.55	0.18	9.73	≤23.98	PASS
	Ant2	5260	10.01	0.18	10.19	≤23.98	PASS
	Ant1	5300	8.58	0.19	8.77	≤23.98	PASS
	Ant2	5300	10.76	0.19	10.95	≤23.98	PASS
	Ant1	5320	8.94	0.18	9.12	≤23.98	PASS
	Ant2	5320	11.02	0.19	11.21	≤23.98	PASS
	Ant1	5500	8.21	0.18	8.39	≤23.98	PASS
	Ant2	5500	9.51	0.18	9.69	≤23.98	PASS
	Ant1	5580	9.32	0.18	9.50	≤23.98	PASS
	Ant2	5580	6.60	0.18	6.78	≤23.98	PASS
	Ant1	5700	7.25	0.18	7.43	≤23.98	PASS
	Ant2	5700	4.09	0.18	4.27	≤23.98	PASS
	Ant1	5745	7.70	0.18	7.88	≤30.00	PASS
	Ant2	5745	5.88	0.18	6.06	≤30.00	PASS
	Ant1	5785	9.52	0.19	9.71	≤30.00	PASS
	Ant2	5785	8.27	0.19	8.46	≤30.00	PASS
Ant1	5825	9.67	0.18	9.85	≤30.00	PASS	
Ant2	5825	8.69	0.18	8.87	≤30.00	PASS	
11N40SISO	Ant1	5190	8.75	0.35	9.10	≤23.98	PASS
	Ant2	5190	8.00	0.39	8.39	≤23.98	PASS
	Ant1	5230	12.12	0.39	12.51	≤23.98	PASS
	Ant2	5230	11.27	0.37	11.64	≤23.98	PASS
	Ant1	5270	11.26	0.39	11.65	≤23.98	PASS
	Ant2	5270	10.91	0.39	11.30	≤23.98	PASS
	Ant1	5310	7.40	0.37	7.77	≤23.98	PASS

	Ant2	5310	8.40	0.37	8.77	≤23.98	PASS
	Ant1	5510	6.43	0.39	6.82	≤23.98	PASS
	Ant2	5510	6.45	0.39	6.84	≤23.98	PASS
	Ant1	5550	8.31	0.39	8.70	≤23.98	PASS
	Ant2	5550	7.12	0.37	7.49	≤23.98	PASS
	Ant1	5670	7.73	0.37	8.10	≤23.98	PASS
	Ant2	5670	5.44	0.39	5.83	≤23.98	PASS
	Ant1	5755	5.82	0.37	6.19	≤30.00	PASS
	Ant2	5755	3.78	0.37	4.15	≤30.00	PASS
	Ant1	5795	9.21	0.39	9.60	≤30.00	PASS
	Ant2	5795	7.81	0.35	8.16	≤30.00	PASS

10.4.2 Test Result For IC

Test Mode	Antenna	Channel	Level [dBm]	10Log(1/X) Factor [dB]	Power [dBm]	Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	12.31	0.17	12.48	---	18.19	≤22.35	PASS
		5220	11.40	0.18	11.58	---	17.29	≤22.45	PASS
		5240	11.42	0.17	11.59	---	17.3	≤22.39	PASS
		5260	8.30	0.18	8.48	≤23.36	14.19	≤29.36	PASS
		5300	7.76	0.18	7.94	≤23.36	13.65	≤29.36	PASS
		5320	8.17	0.17	8.34	≤23.34	14.05	≤29.34	PASS
		5500	6.85	0.16	7.01	≤23.37	12.72	≤29.37	PASS
		5580	8.35	0.18	8.53	≤23.42	14.24	≤29.42	PASS
		5700	6.86	0.17	7.03	≤23.34	12.74	≤29.34	PASS
		5745	7.47	0.18	7.65	≤30.00	13.36	---	PASS
		5785	9.59	0.18	9.77	≤30.00	15.48	---	PASS
		5825	9.74	0.17	9.91	≤30.00	15.62	---	PASS
11N20SISO	Ant1	5180	12.68	0.18	12.86	---	18.57	≤22.59	PASS
	Ant2	5180	13.11	0.19	13.30	---	16.27	≤22.61	PASS
	Ant1	5220	11.90	0.18	12.08	---	17.79	≤22.68	PASS
	Ant2	5220	12.60	0.19	12.79	---	15.76	≤22.72	PASS
	Ant1	5240	11.70	0.19	11.89	---	17.6	≤22.64	PASS
	Ant2	5240	12.91	0.19	13.10	---	16.07	≤22.70	PASS
	Ant1	5260	9.55	0.18	9.73	≤23.59	15.44	≤29.59	PASS
	Ant2	5260	10.01	0.18	10.19	≤23.61	13.16	≤29.61	PASS
	Ant1	5300	8.58	0.19	8.77	≤23.63	14.48	≤29.63	PASS
	Ant2	5300	10.76	0.19	10.95	≤23.59	13.92	≤29.59	PASS
	Ant1	5320	8.94	0.18	9.12	≤23.60	14.83	≤29.60	PASS
	Ant2	5320	11.02	0.19	11.21	≤23.60	14.18	≤29.60	PASS
	Ant1	5500	8.21	0.18	8.39	≤23.62	14.1	≤29.62	PASS
	Ant2	5500	9.51	0.18	9.69	≤23.62	12.66	≤29.62	PASS
	Ant1	5580	9.32	0.18	9.50	≤23.66	15.21	≤29.66	PASS
	Ant2	5580	6.60	0.18	6.78	≤23.66	9.75	≤29.66	PASS
	Ant1	5700	7.25	0.18	7.43	≤23.59	13.14	≤29.59	PASS
	Ant2	5700	4.09	0.18	4.27	≤23.61	7.24	≤29.61	PASS
	Ant1	5745	7.70	0.18	7.88	≤30.00	13.59	---	PASS
	Ant2	5745	5.88	0.18	6.06	≤30.00	9.03	---	PASS
	Ant1	5785	9.52	0.19	9.71	≤30.00	15.42	---	PASS
	Ant2	5785	8.27	0.19	8.46	≤30.00	11.43	---	PASS
	Ant1	5825	9.67	0.18	9.85	≤30.00	15.56	---	PASS
	Ant2	5825	8.69	0.18	8.87	≤30.00	11.84	---	PASS



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11N40SISO	Ant1	5190	8.75	0.35	9.10	---	14.81	≤23.01	PASS
	Ant2	5190	8.00	0.39	8.39	---	11.36	≤23.01	PASS
	Ant1	5230	12.12	0.39	12.51	---	18.22	≤23.01	PASS
	Ant2	5230	11.27	0.37	11.64	---	14.61	≤23.01	PASS
	Ant1	5270	11.26	0.39	11.65	≤23.98	17.36	≤30.00	PASS
	Ant2	5270	10.91	0.39	11.30	≤23.98	14.27	≤30.00	PASS
	Ant1	5310	7.40	0.37	7.77	≤23.98	13.48	≤30.00	PASS
	Ant2	5310	8.40	0.37	8.77	≤23.98	11.74	≤30.00	PASS
	Ant1	5510	6.43	0.39	6.82	≤23.98	12.53	≤30.00	PASS
	Ant2	5510	6.45	0.39	6.84	≤23.98	9.81	≤30.00	PASS
	Ant1	5550	8.31	0.39	8.70	≤23.98	14.41	≤30.00	PASS
	Ant2	5550	7.12	0.37	7.49	≤23.98	10.46	≤30.00	PASS
	Ant1	5670	7.73	0.37	8.10	≤23.98	13.81	≤30.00	PASS
	Ant2	5670	5.44	0.39	5.83	≤23.98	8.8	≤30.00	PASS
	Ant1	5755	5.82	0.37	6.19	≤30.00	11.9	---	PASS
	Ant2	5755	3.78	0.37	4.15	≤30.00	7.12	---	PASS
	Ant1	5795	9.21	0.39	9.60	≤30.00	15.31	---	PASS
	Ant2	5795	7.81	0.35	8.16	≤30.00	11.13	---	PASS

Note: EIRP=Power[dBm] + Antenna Gain

10.4.3 Test Graphs

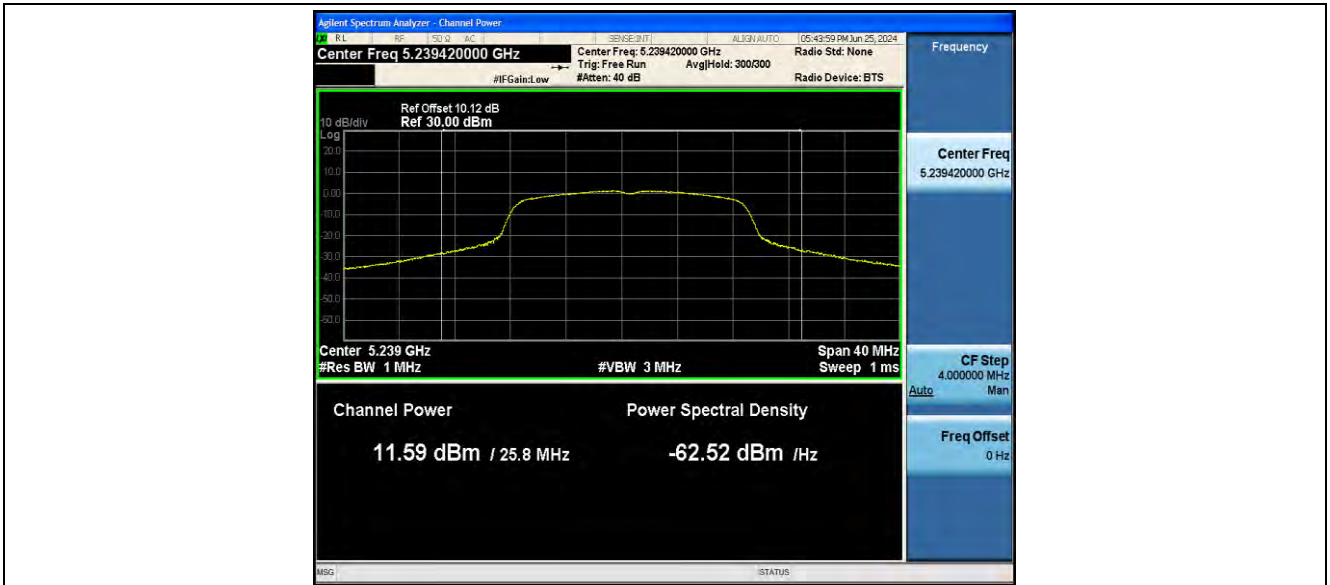


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11A_Ant1_5260



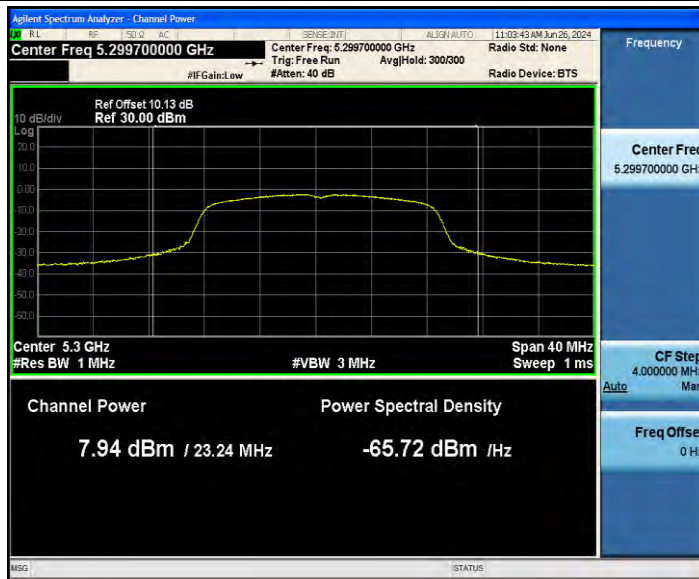
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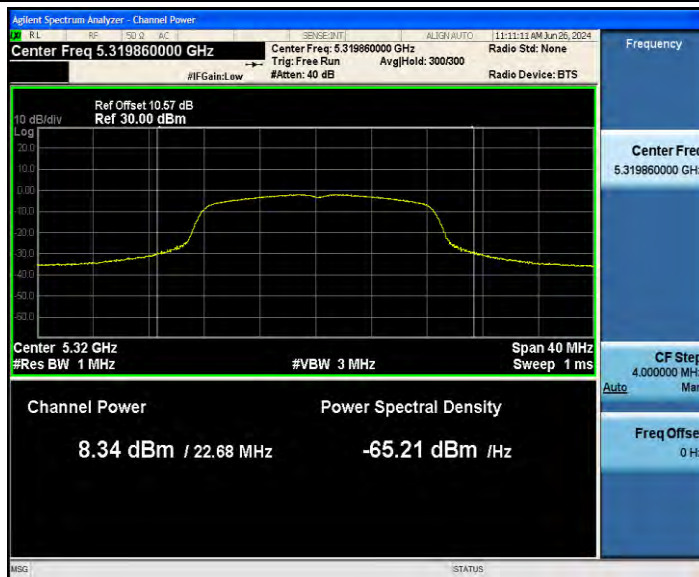
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11A_Ant1_5320



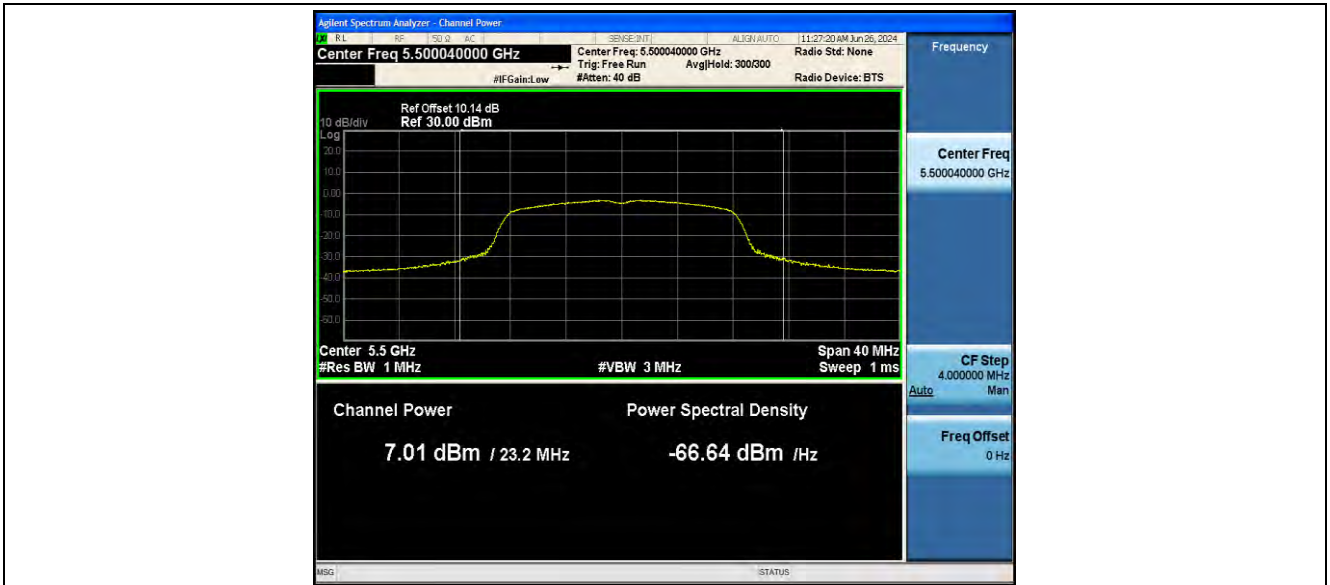
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11A_Ant1_5580



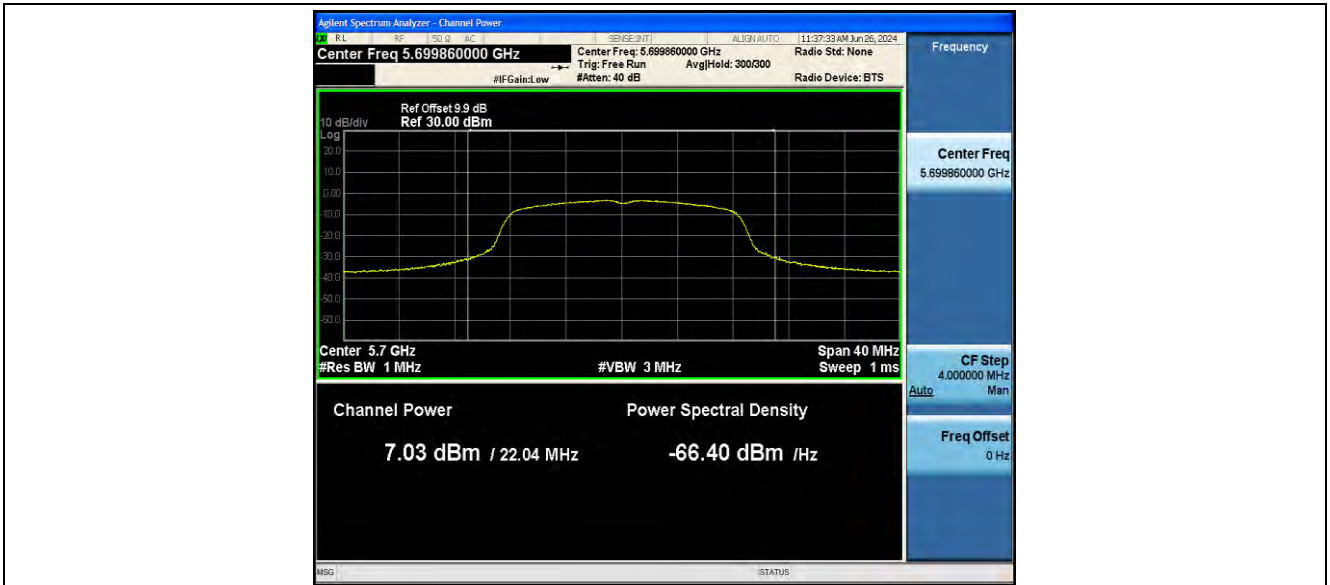
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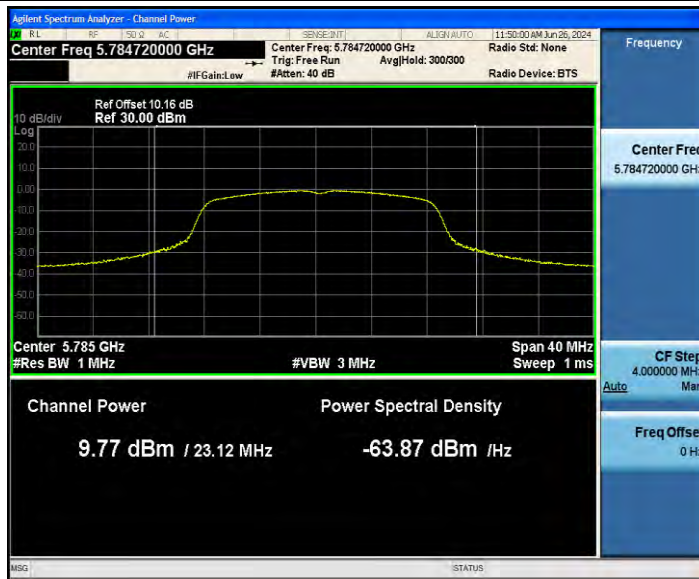
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11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



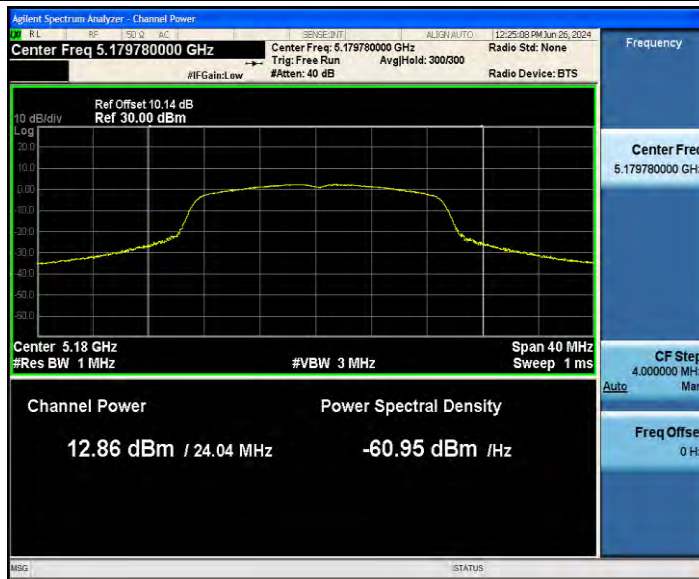
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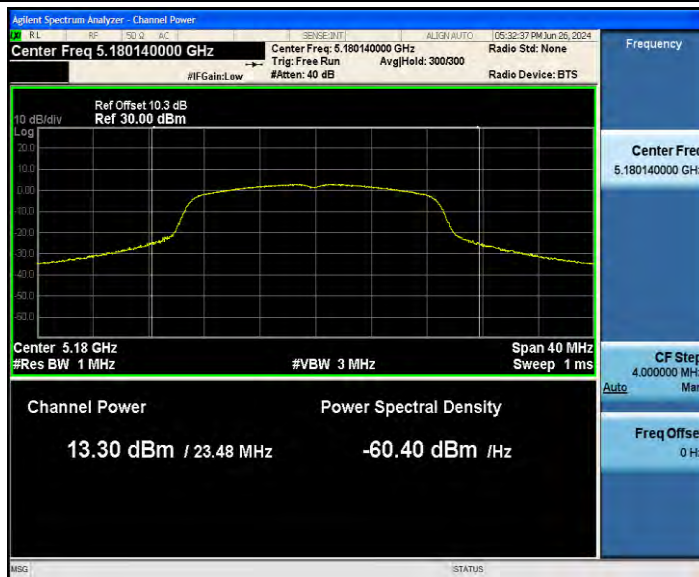
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11N20SISO_Ant2_5180



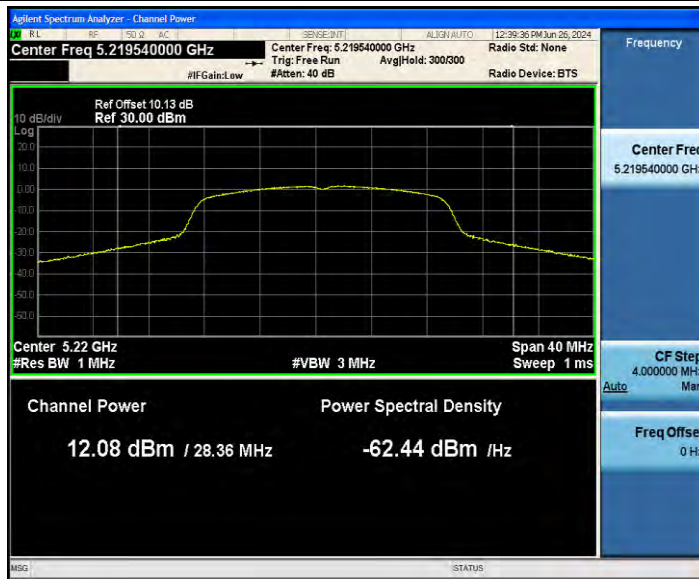
11N20SISO_Ant1_5220

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11N20SISO_Ant2_5220



11N20SISO_Ant1_5240

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11N20SISO_Ant2_5240



11N20SISO_Ant1_5260

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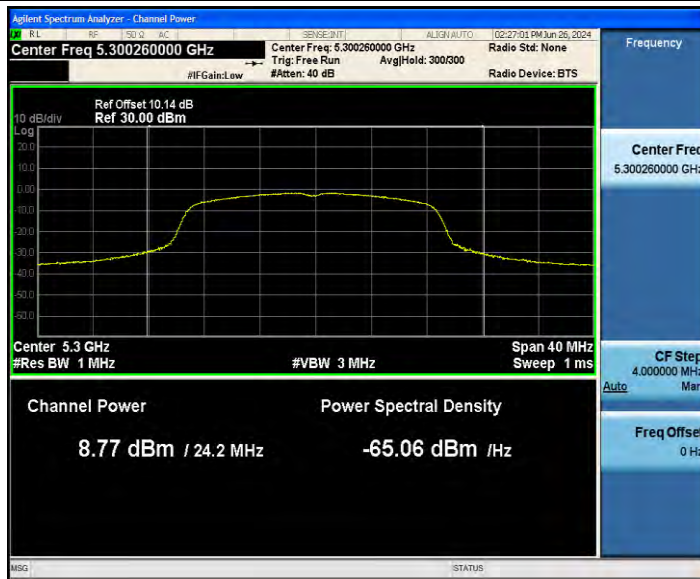
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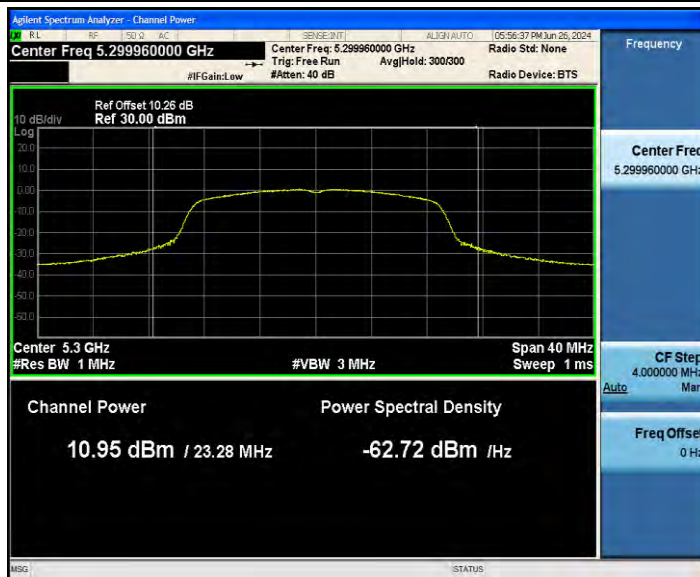
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11N20SISO_Ant1_5300



11N20SISO_Ant2_5300



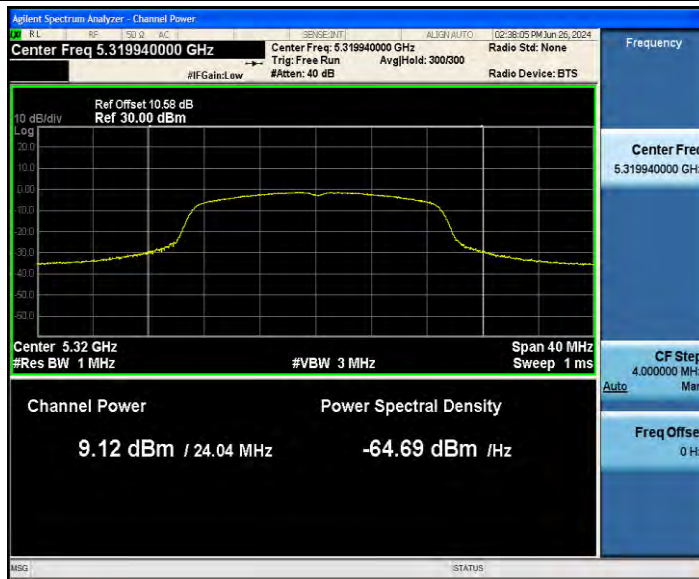
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Compliance Certification Services (Kunshan) Inc.

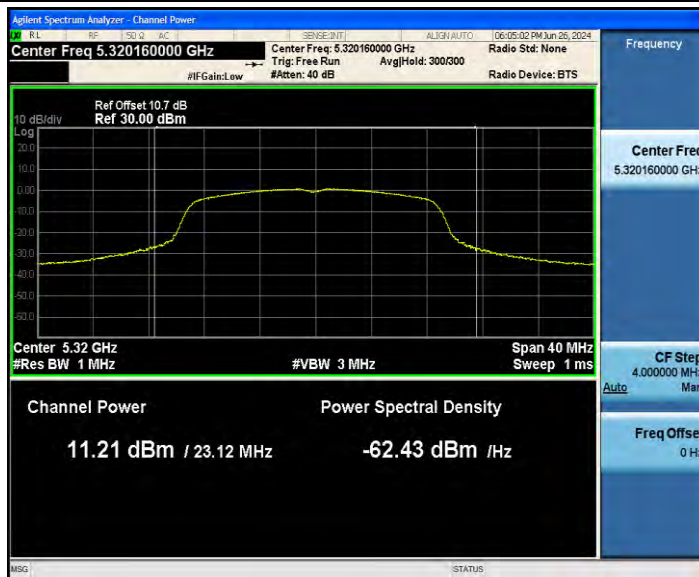
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11N20SISO_Ant2_5320



11N20SISO_Ant1_5500

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11N20SISO_Ant2_5500



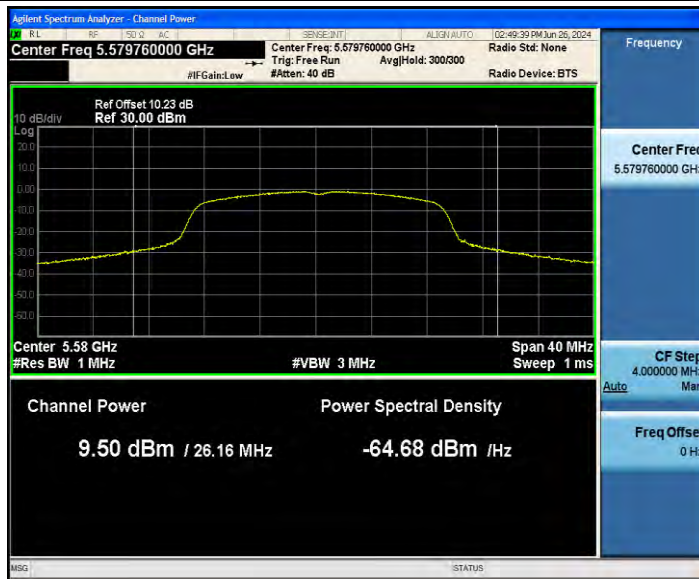
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11N20SISO_Ant2_5580



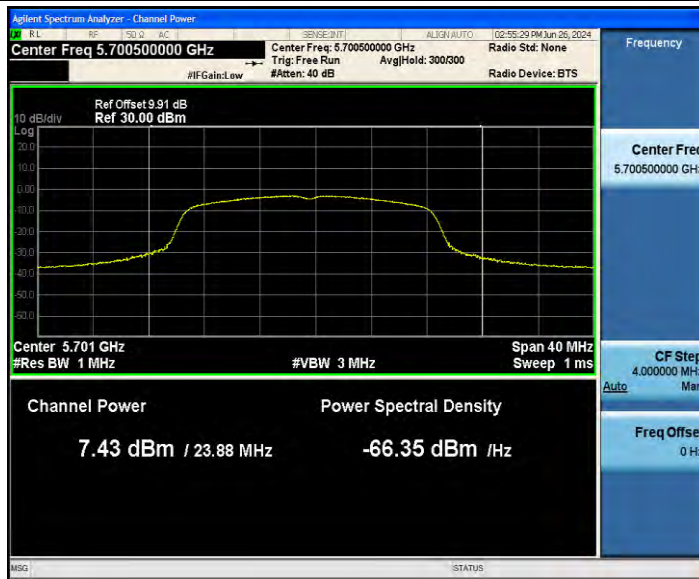
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11N20SISO_Ant2_5700



11N20SISO_Ant1_5745

Compliance Certification Services (Kunshan) Inc.

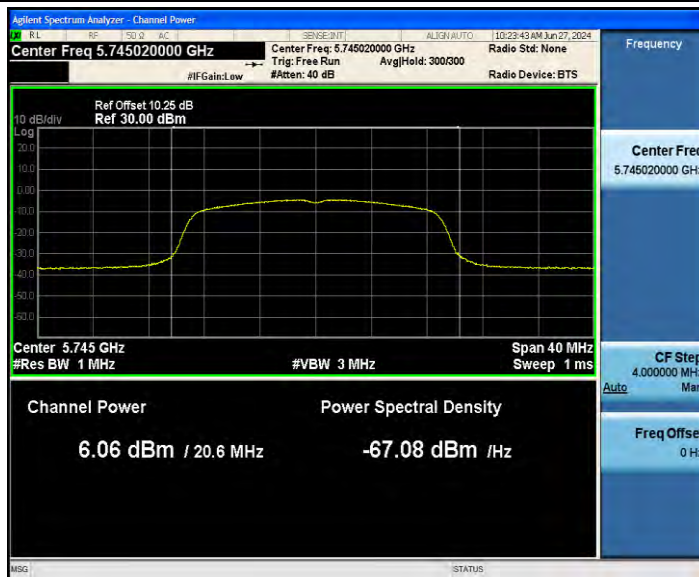
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11N20SISO_Ant2_5745



11N20SISO_Ant1_5785

Compliance Certification Services (Kunshan) Inc.

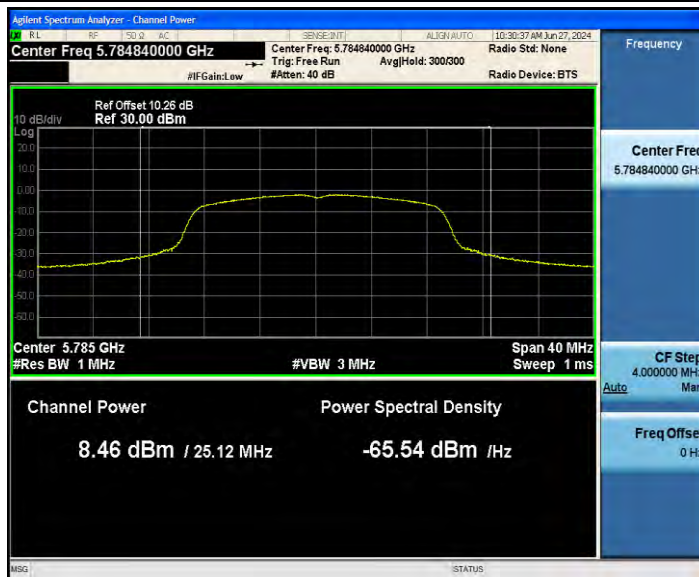
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11N20SISO_Ant2_5785



11N20SISO_Ant1_5825

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11N20SISO_Ant2_5825



11N40SISO_Ant1_5190

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11N40SISO_Ant2_5190



11N40SISO_Ant1_5230

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11N40SISO_Ant2_5230



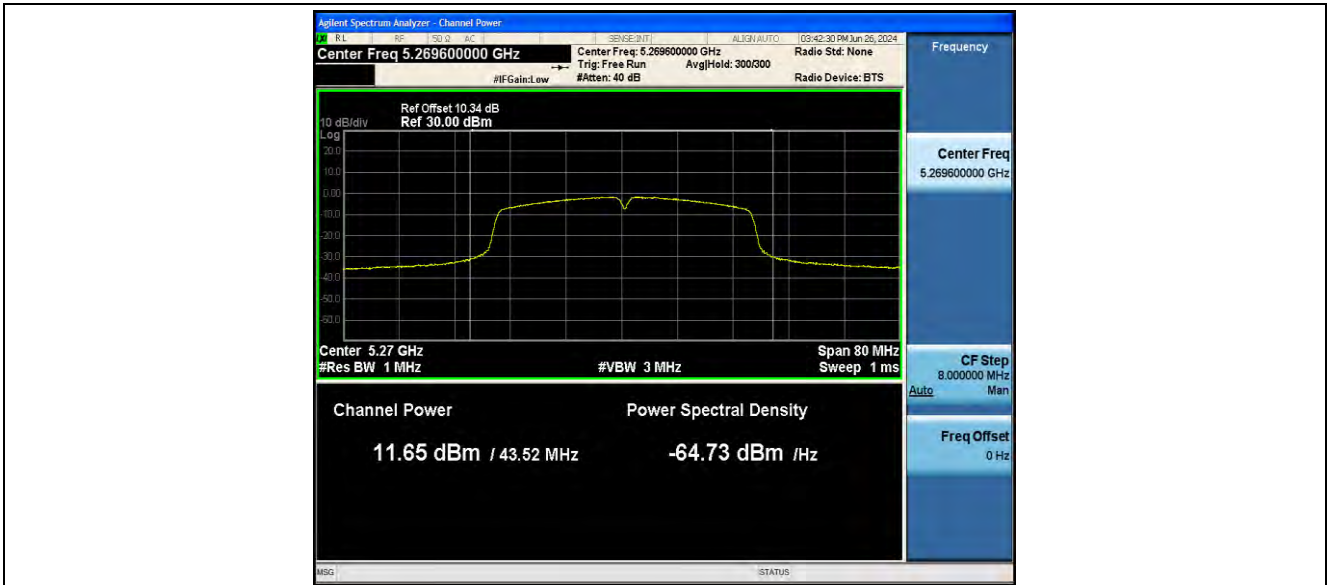
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Compliance Certification Services (Kunshan) Inc.

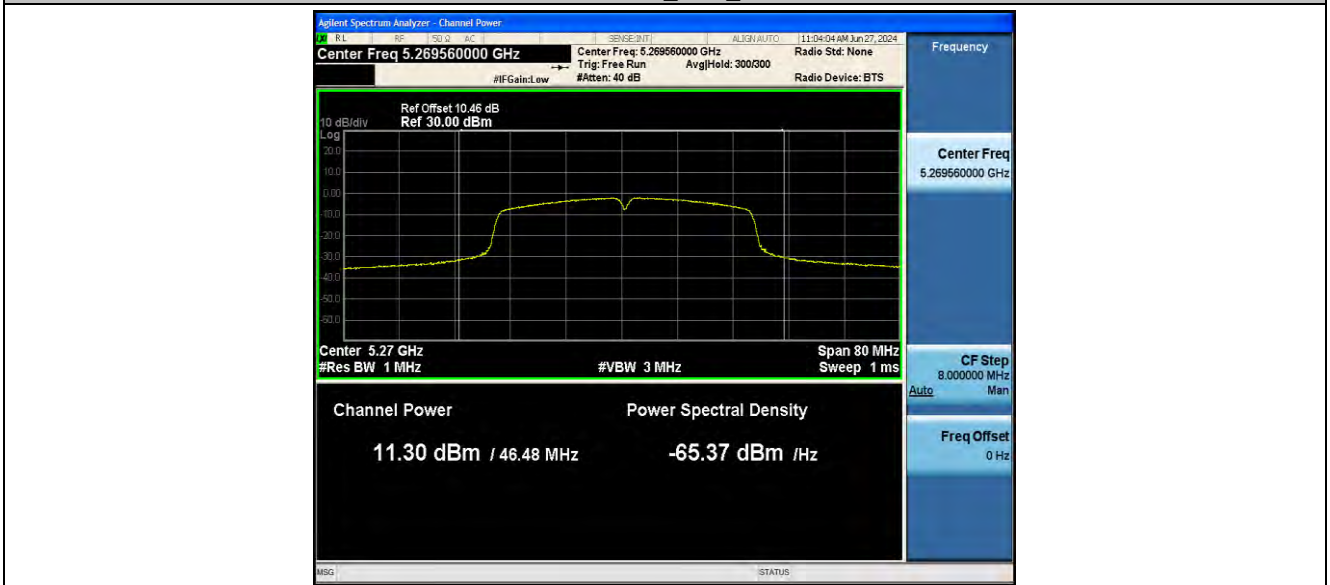
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11N40SISO_Ant2_5270



11N40SISO_Ant1_5310

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11N40SISO_Ant2_5310



11N40SISO_Ant1_5510

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11N40SISO_Ant1_5550

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11N40SISO_Ant1_5670

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11N40SISO_Ant2_5670



11N40SISO_Ant1_5755

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11N40SISO_Ant2_5755



11N40SISO_Ant1_5795

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11N40SISO_Ant2_5795



10.5 Appendix C: Maximum power spectral density

10.5.1 Test Result

Test Mode	Antenna	Channel	Level [dBm/MHz]	10Log(1/X) Factor [dB]	PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	2.20	0.17	2.37	≤11.00	PASS
		5220	1.52	0.18	1.70	≤11.00	PASS
		5240	1.41	0.17	1.58	≤11.00	PASS
		5260	-1.87	0.18	-1.69	≤11.00	PASS
		5300	-2.01	0.18	-1.83	≤11.00	PASS
		5320	-1.74	0.17	-1.57	≤11.00	PASS
		5500	-3.39	0.16	-3.23	≤11.00	PASS
		5580	-1.71	0.18	-1.53	≤11.00	PASS
		5700	-3.20	0.17	-3.03	≤11.00	PASS
		5745	-7.56	0.18	-5.16	≤30.00	PASS
		5785	-5.37	0.18	-2.97	≤30.00	PASS
		5825	-5.18	0.17	-2.79	≤30.00	PASS
11N20SISO	Ant1	5180	2.67	0.18	2.85	≤11.00	PASS
	Ant2	5180	3.12	0.19	3.31	≤11.00	PASS
	Ant1	5220	1.96	0.18	2.14	≤11.00	PASS
	Ant2	5220	2.34	0.19	2.53	≤11.00	PASS
	Ant1	5240	1.58	0.19	1.77	≤11.00	PASS
	Ant2	5240	2.57	0.19	2.76	≤11.00	PASS
	Ant1	5260	-0.61	0.18	-0.43	≤11.00	PASS
	Ant2	5260	-0.17	0.18	0.01	≤11.00	PASS
	Ant1	5300	-1.35	0.19	-1.16	≤11.00	PASS
	Ant2	5300	0.67	0.19	0.86	≤11.00	PASS
	Ant1	5320	-1.03	0.18	-0.85	≤11.00	PASS
	Ant2	5320	0.90	0.19	1.09	≤11.00	PASS
	Ant1	5500	-1.94	0.18	-1.76	≤11.00	PASS
	Ant2	5500	-0.54	0.18	-0.36	≤11.00	PASS
	Ant1	5580	-0.80	0.18	-0.62	≤11.00	PASS
	Ant2	5580	-3.72	0.18	-3.54	≤11.00	PASS
	Ant1	5700	-2.75	0.18	-2.57	≤11.00	PASS
	Ant2	5700	-6.30	0.18	-6.12	≤11.00	PASS
	Ant1	5745	-7.43	0.18	-5.03	≤30.00	PASS
	Ant2	5745	-9.38	0.18	-6.98	≤30.00	PASS
	Ant1	5785	-5.63	0.19	-3.22	≤30.00	PASS
	Ant2	5785	-7.04	0.19	-4.63	≤30.00	PASS
Ant1	5825	-5.52	0.18	-3.12	≤30.00	PASS	
Ant2	5825	-6.50	0.18	-4.10	≤30.00	PASS	
11N40SISO	Ant1	5190	-4.32	0.35	-3.97	≤11.00	PASS
	Ant2	5190	-5.35	0.39	-4.96	≤11.00	PASS
	Ant1	5230	-1.05	0.39	-0.66	≤11.00	PASS
	Ant2	5230	-1.80	0.37	-1.43	≤11.00	PASS
	Ant1	5270	-1.76	0.39	-1.37	≤11.00	PASS
	Ant2	5270	-2.34	0.39	-1.95	≤11.00	PASS
	Ant1	5310	-5.69	0.37	-5.32	≤11.00	PASS



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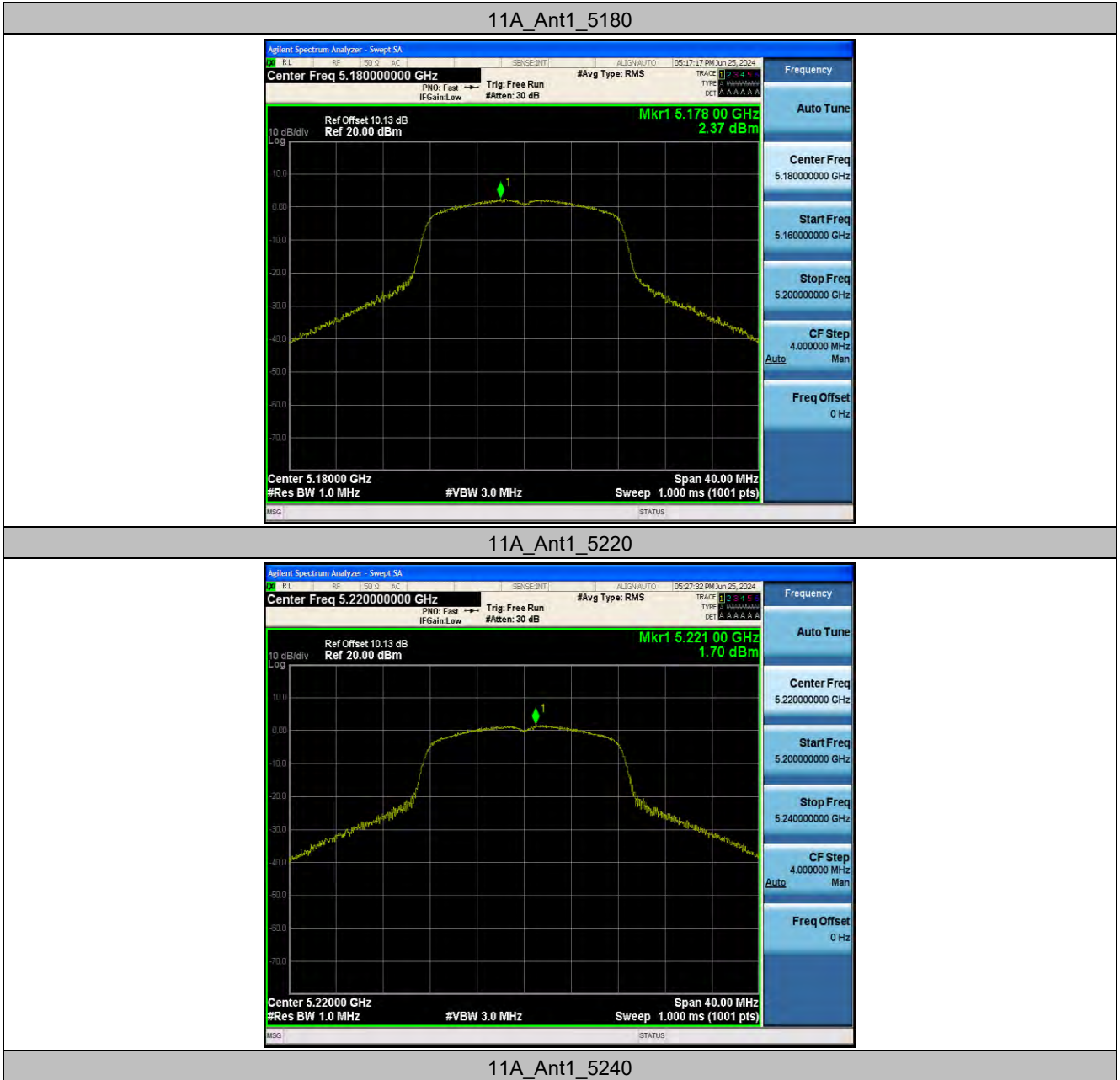
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Ant2	5310	-4.92	0.37	-4.55	≤11.00	PASS
Ant1	5510	-6.70	0.39	-6.31	≤11.00	PASS
Ant2	5510	-6.77	0.39	-6.38	≤11.00	PASS
Ant1	5550	-4.90	0.39	-4.51	≤11.00	PASS
Ant2	5550	-5.69	0.37	-5.32	≤11.00	PASS
Ant1	5670	-5.32	0.37	-4.95	≤11.00	PASS
Ant2	5670	-7.67	0.39	-7.28	≤11.00	PASS
Ant1	5755	-12.43	0.37	-9.84	≤30.00	PASS
Ant2	5755	-14.72	0.37	-12.13	≤30.00	PASS
Ant1	5795	-9.04	0.39	-6.43	≤30.00	PASS
Ant2	5795	-10.48	0.35	-7.91	≤30.00	PASS

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

2.The RBW Factor is compensated in the graph.

10.5.2 Test Graphs



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11A_Ant1_5300