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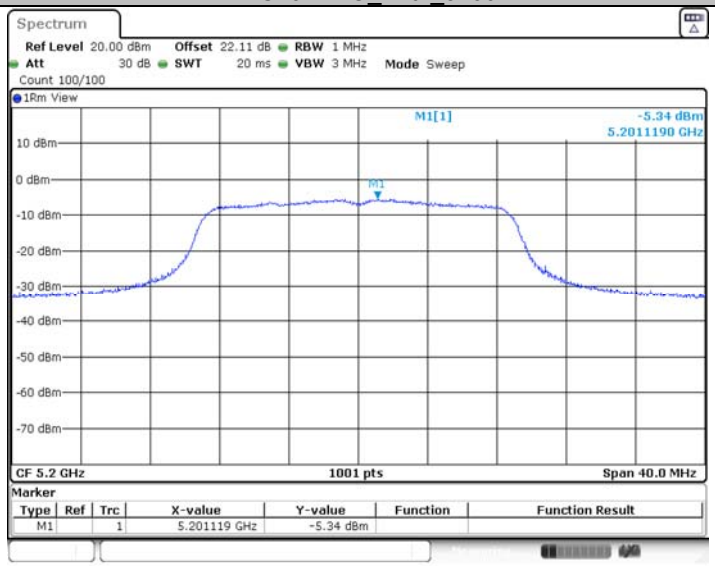

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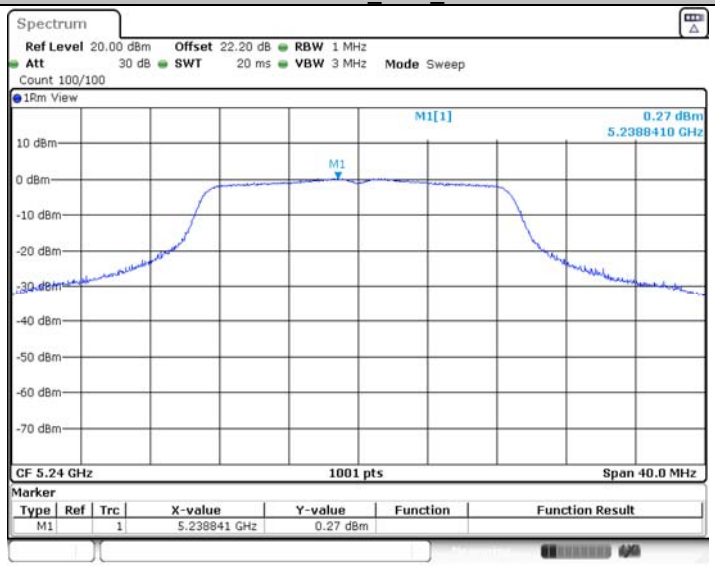

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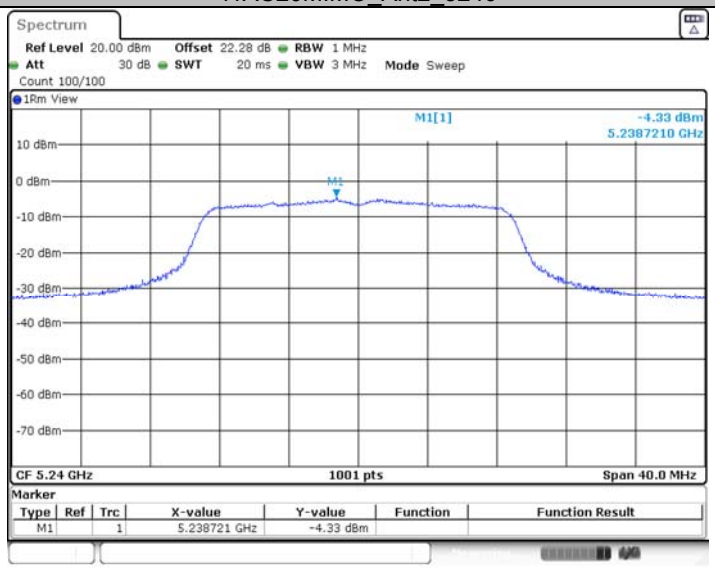

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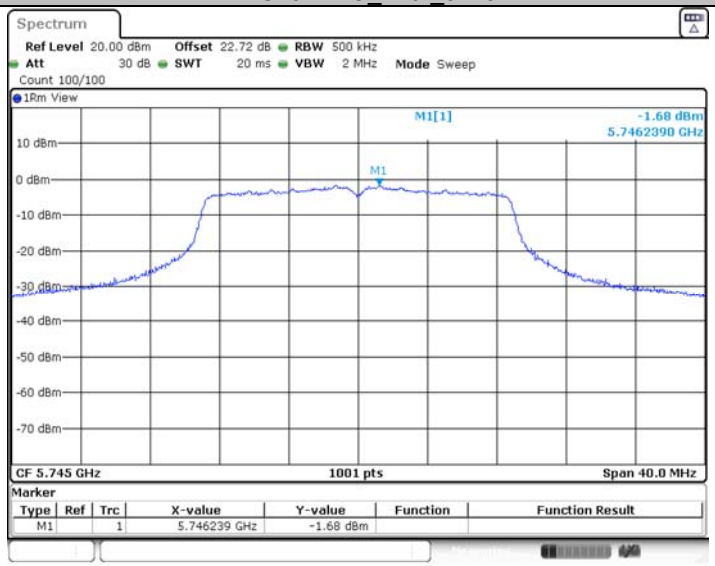

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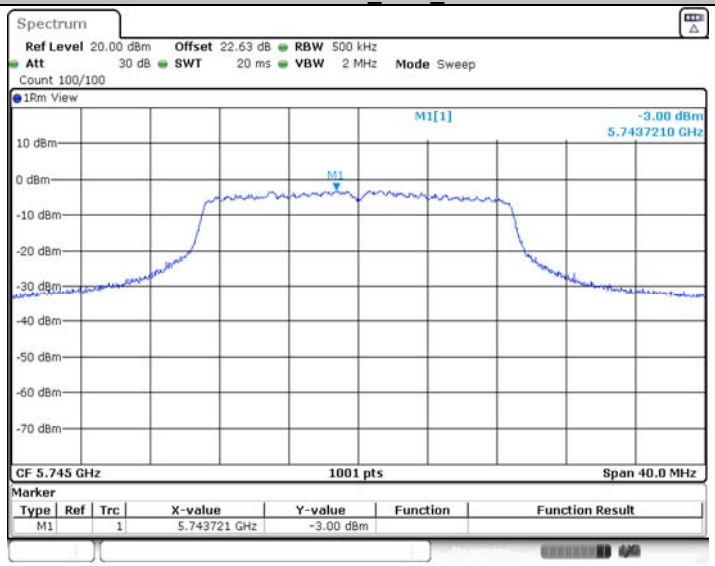

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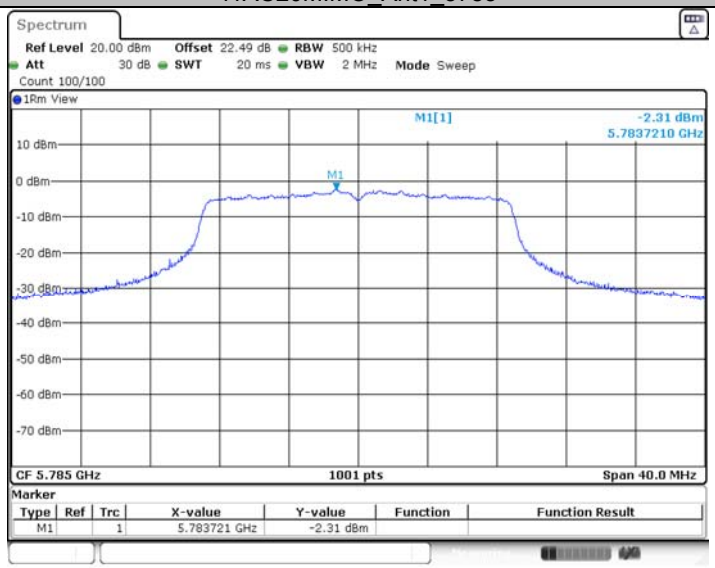

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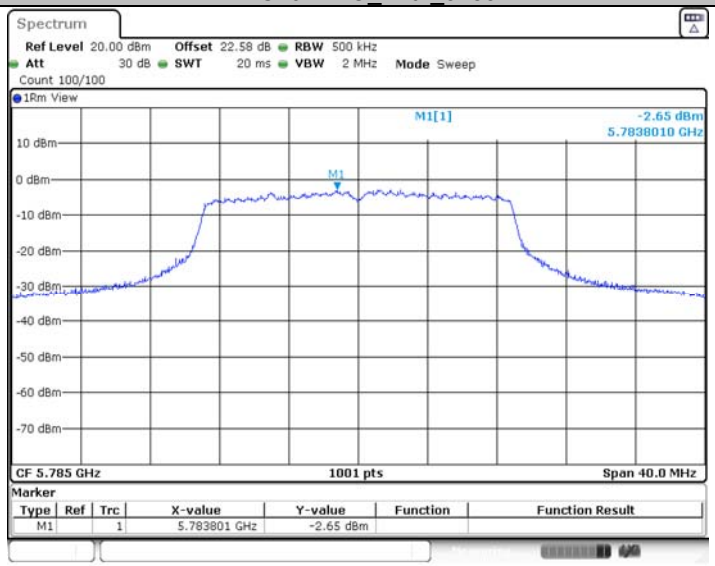

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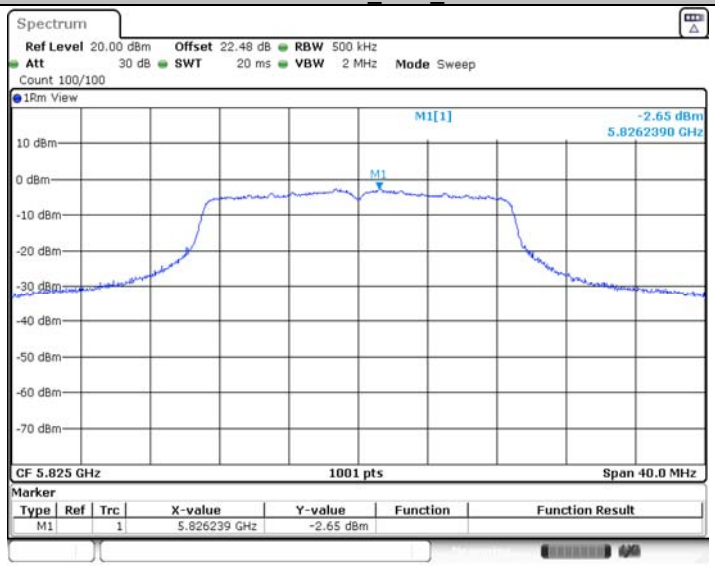

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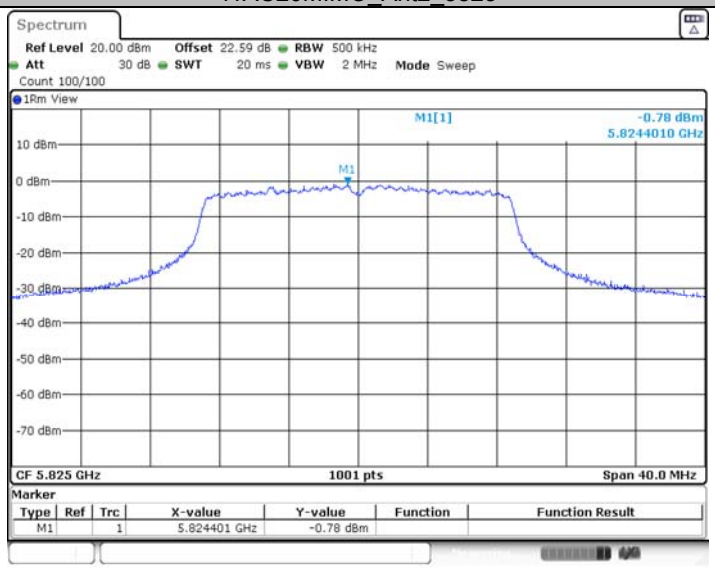

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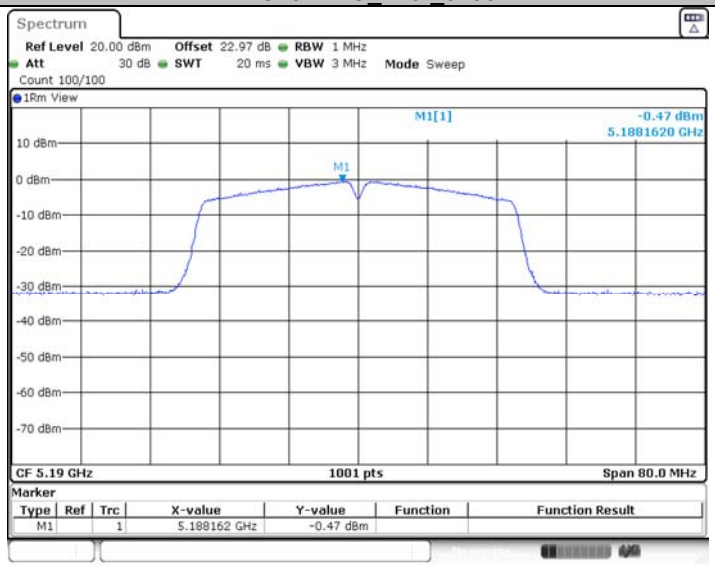

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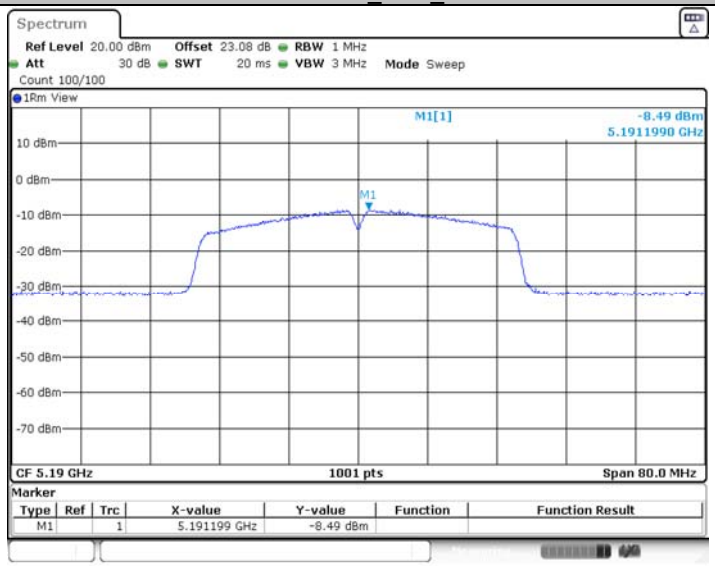

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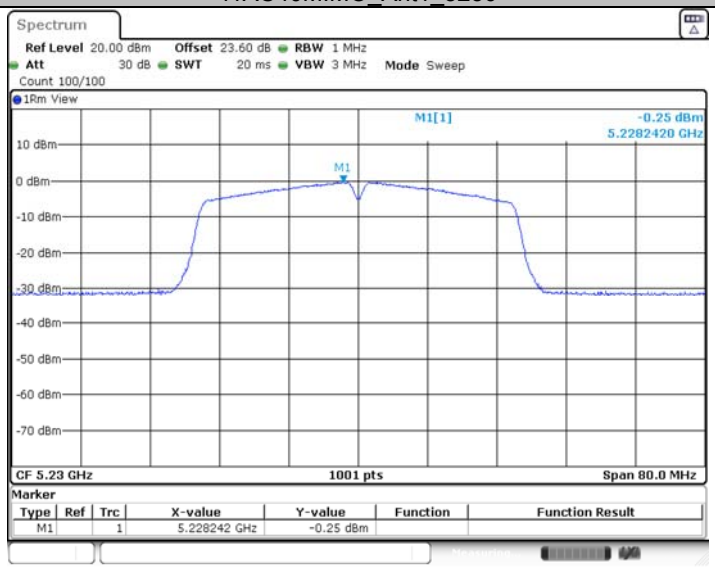

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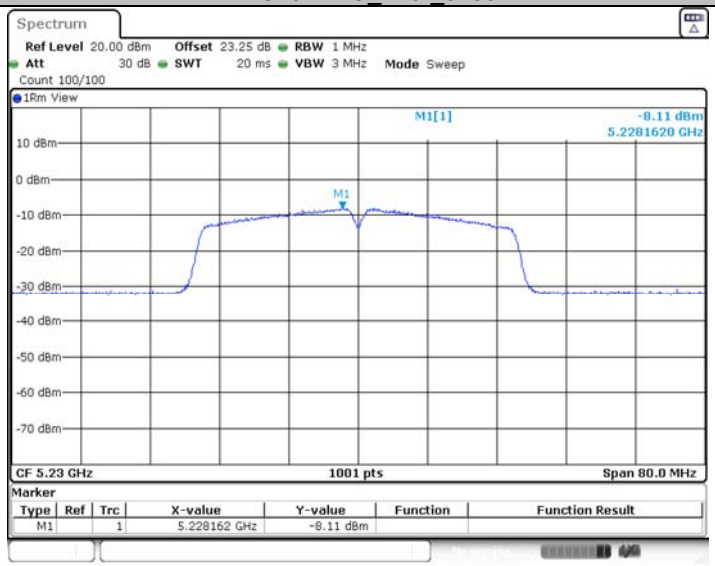

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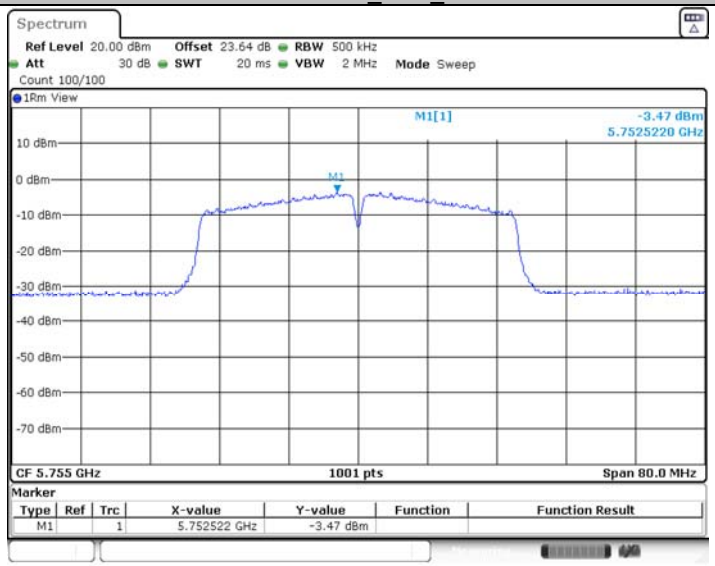

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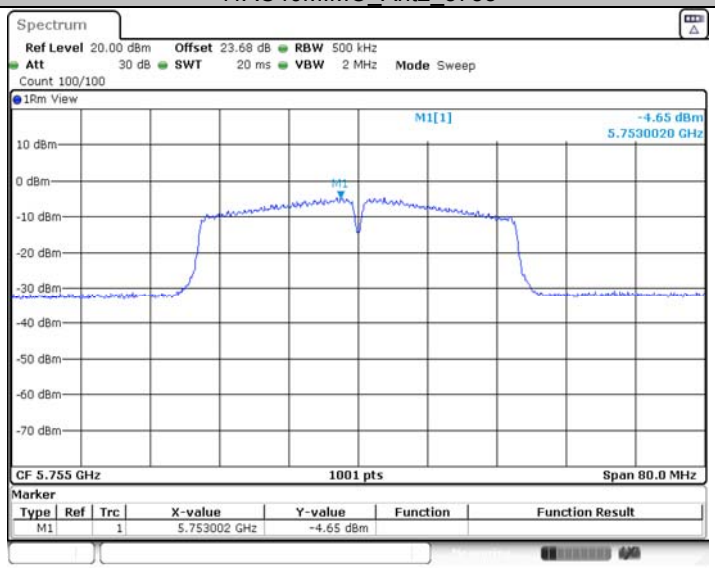
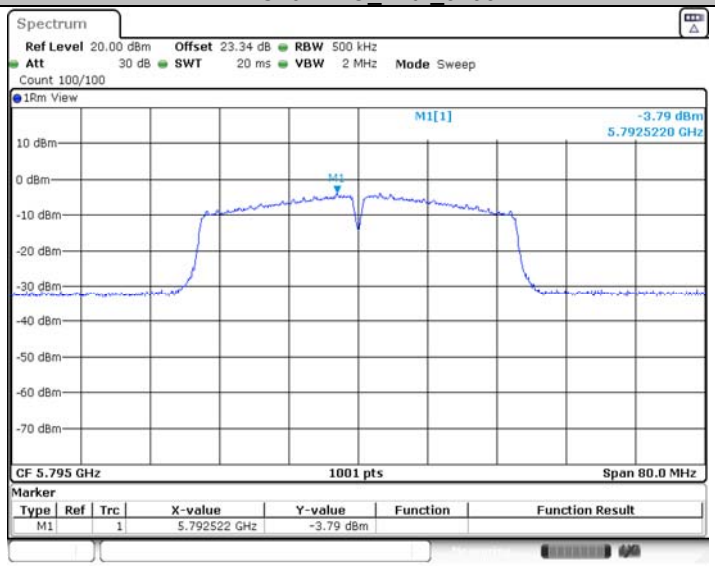


11AC40MIMO_Ant1_5795



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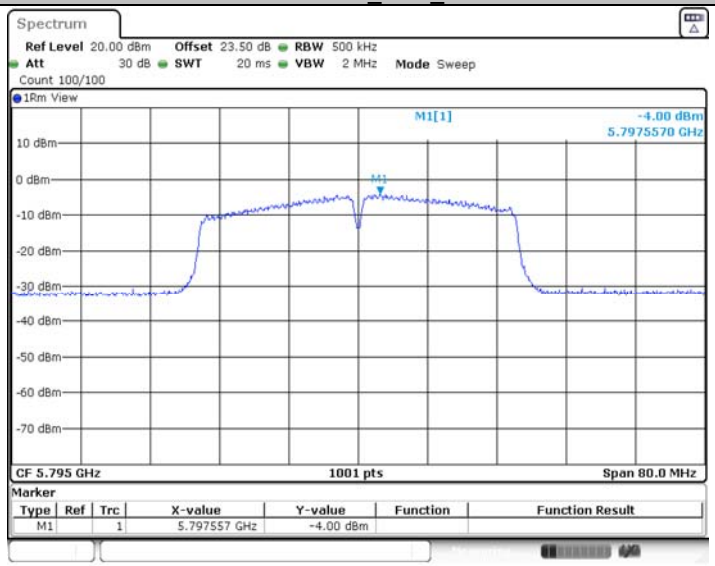
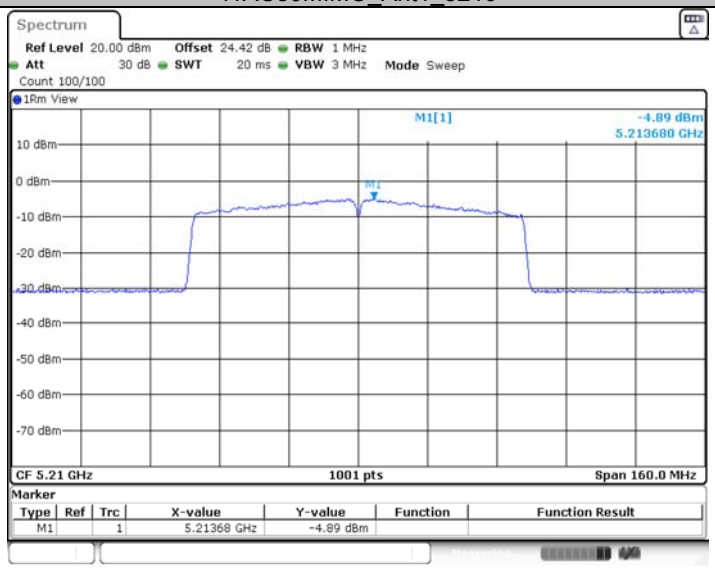


11AC80MIMO_Ant1_5210



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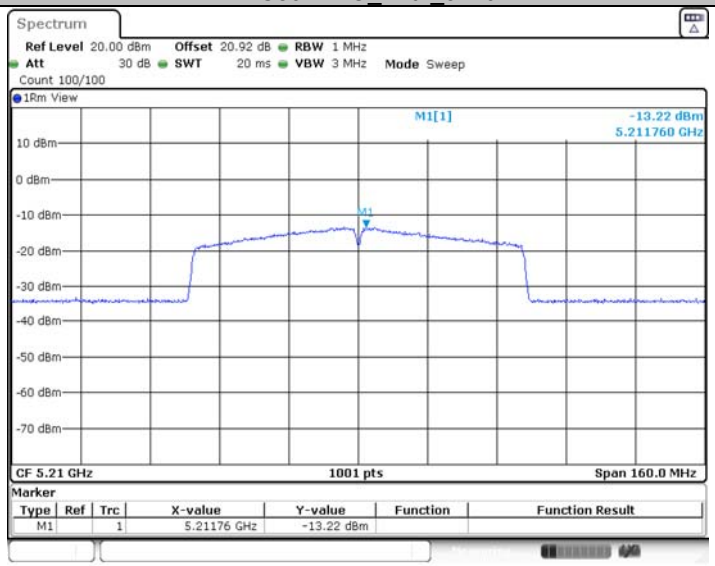

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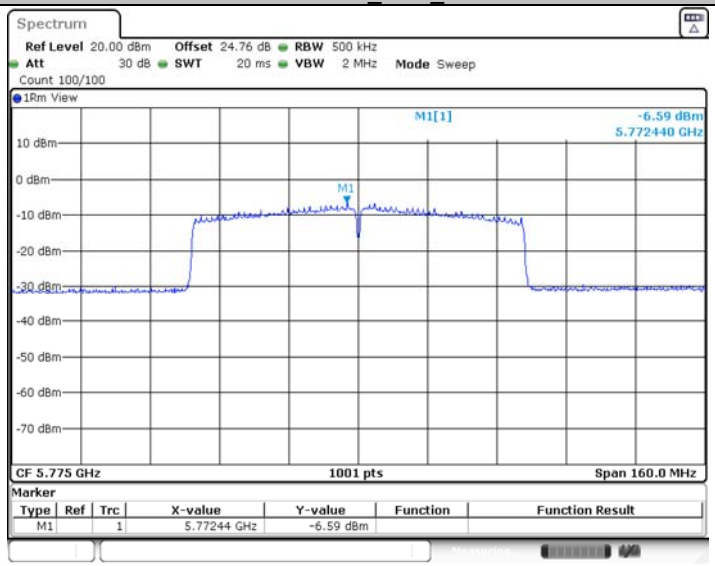

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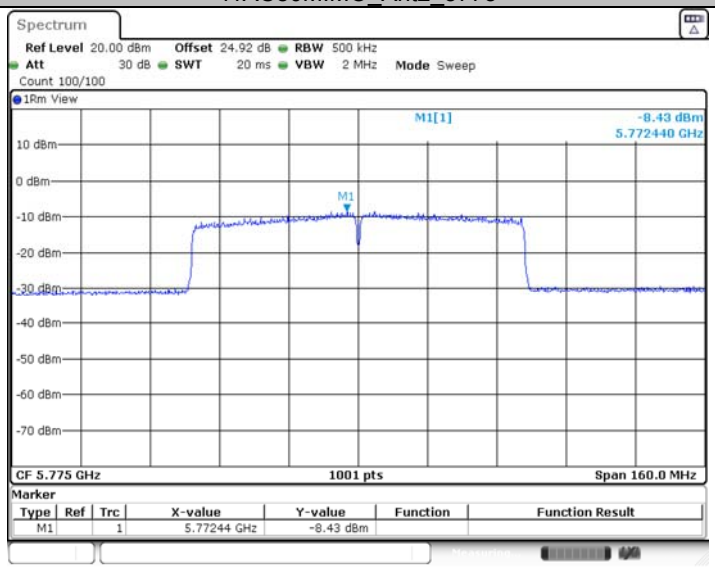

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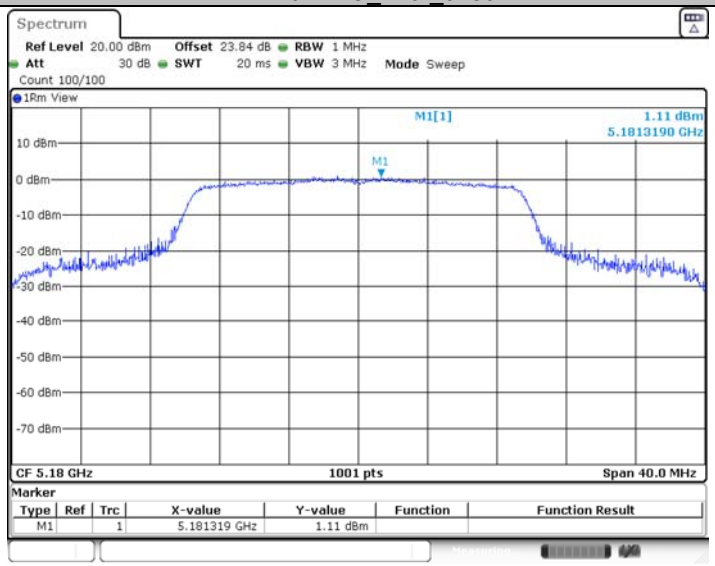

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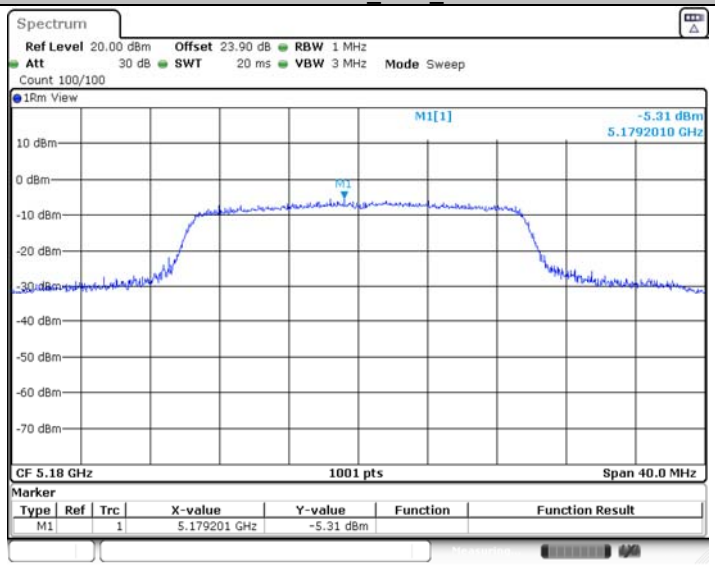

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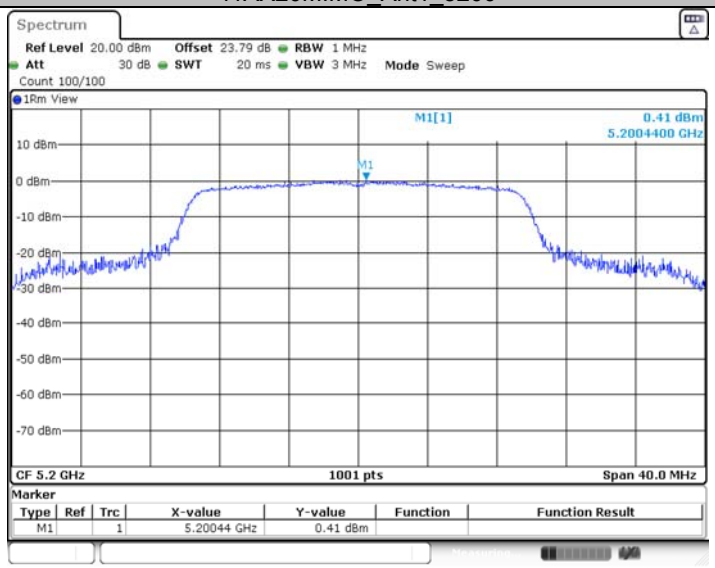

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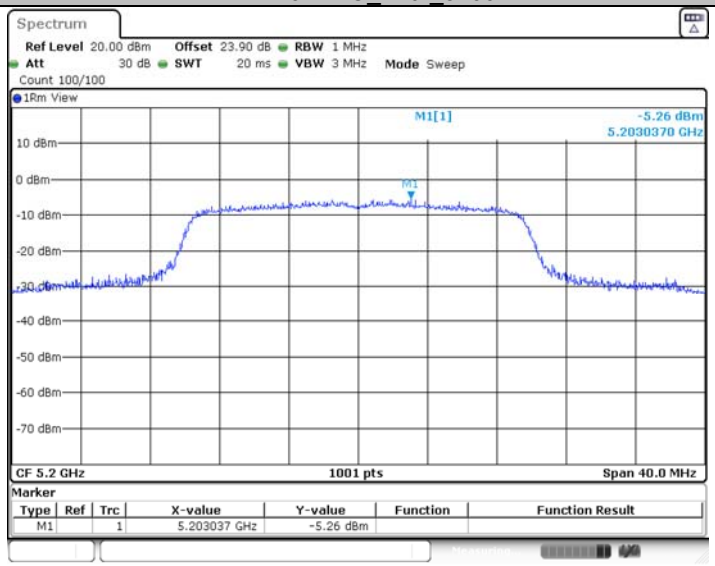

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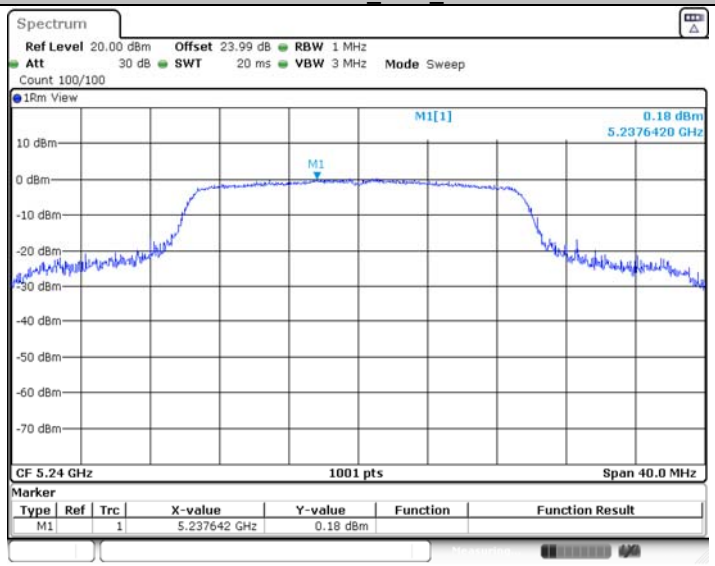

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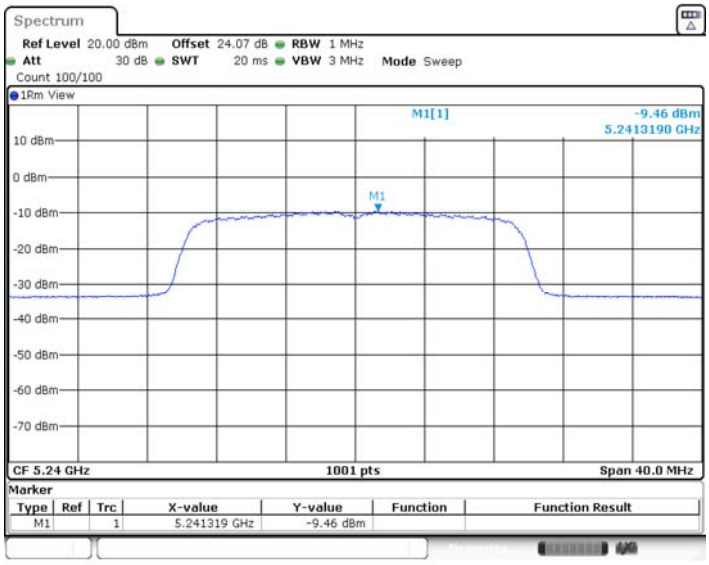

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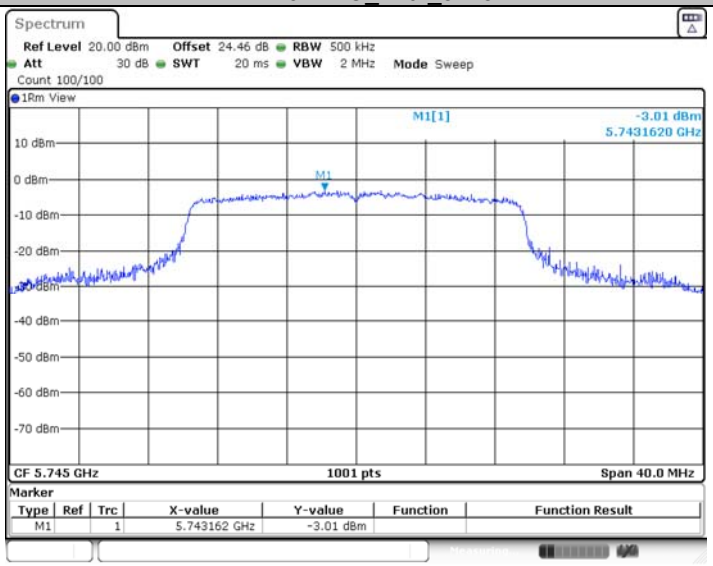

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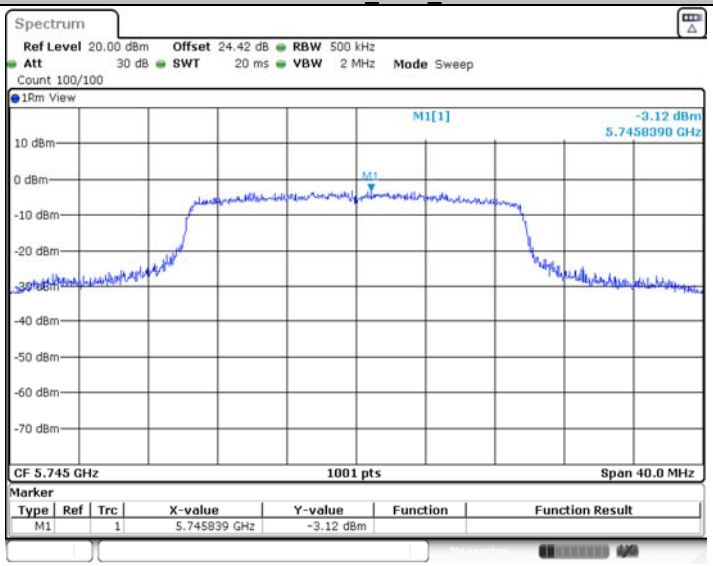

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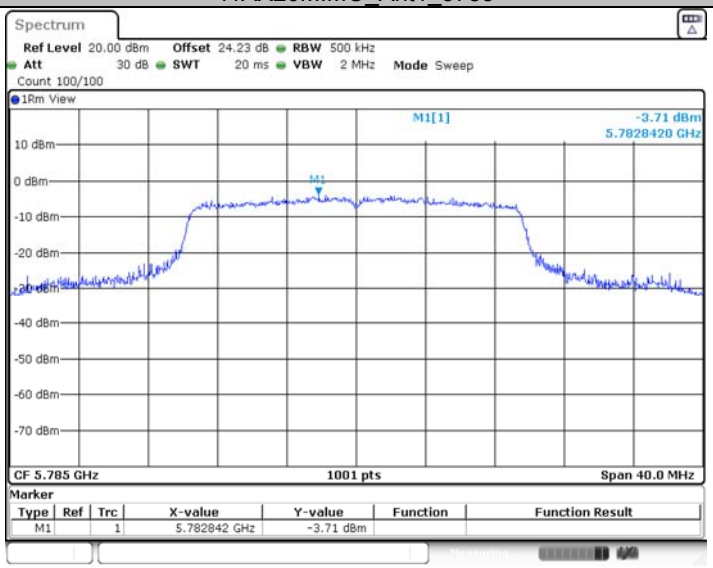

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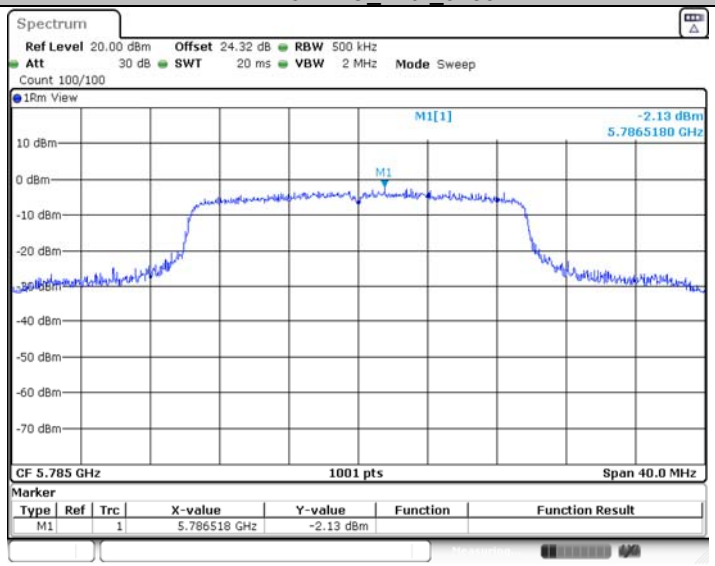

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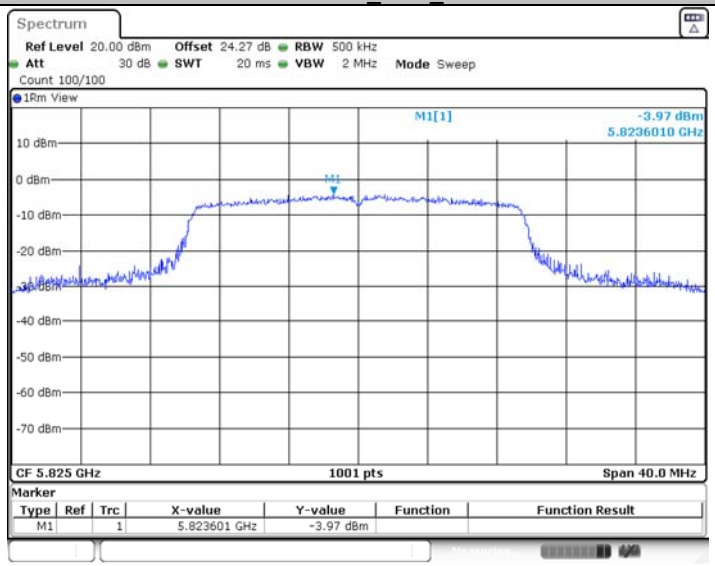

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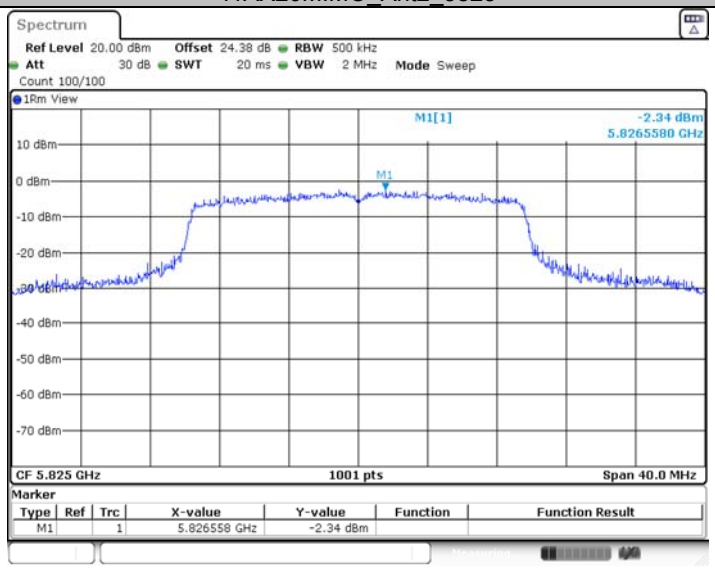

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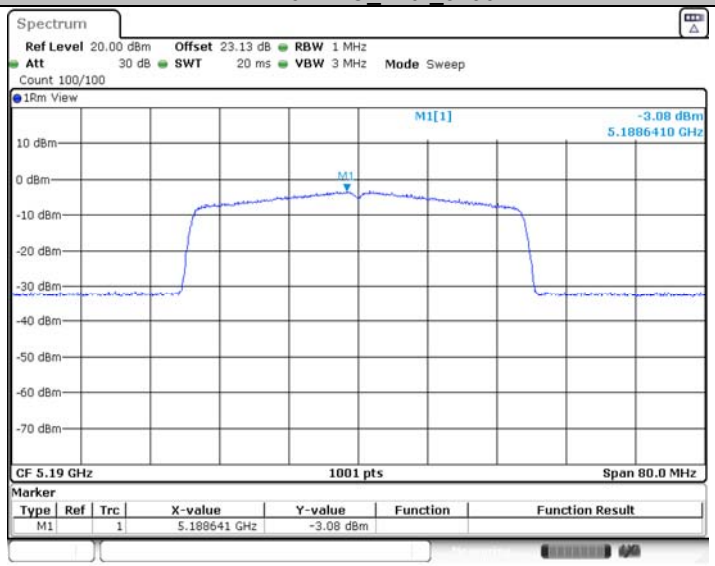

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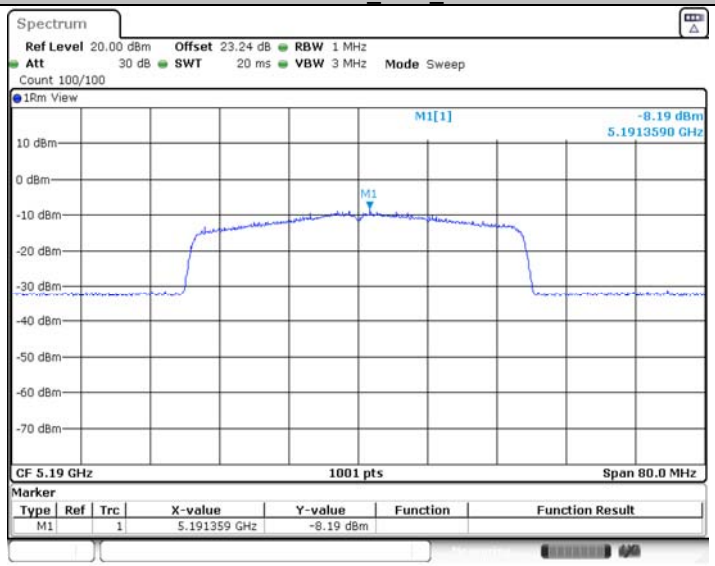

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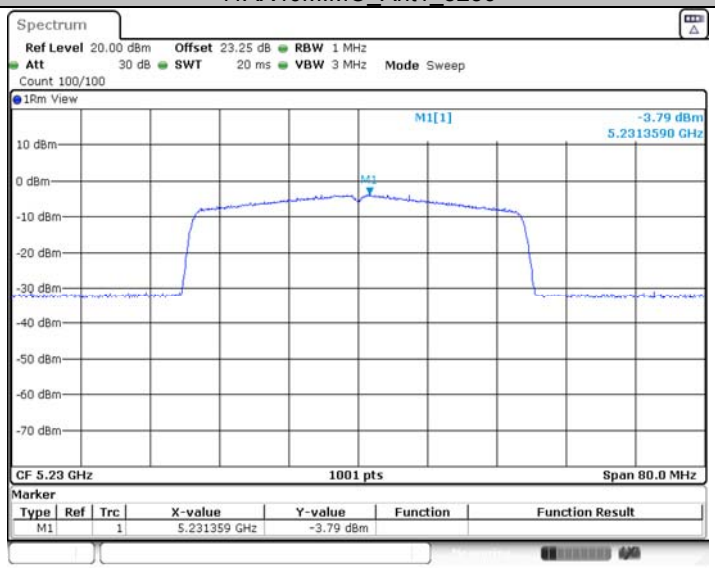

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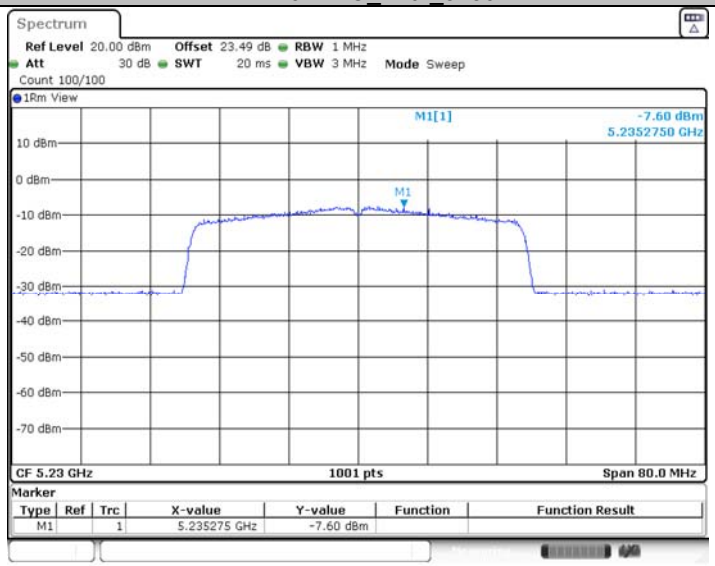

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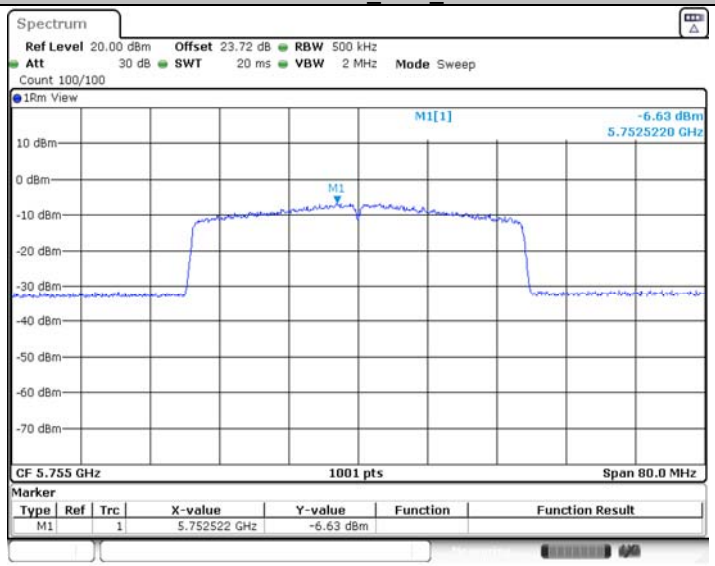

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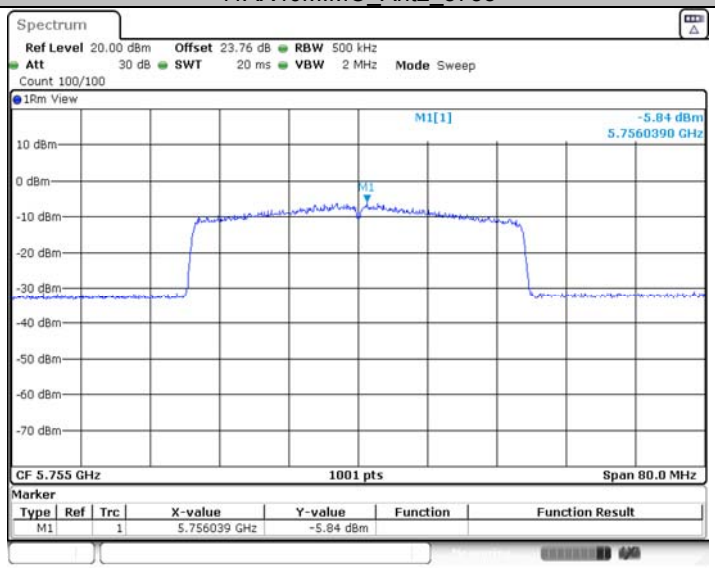

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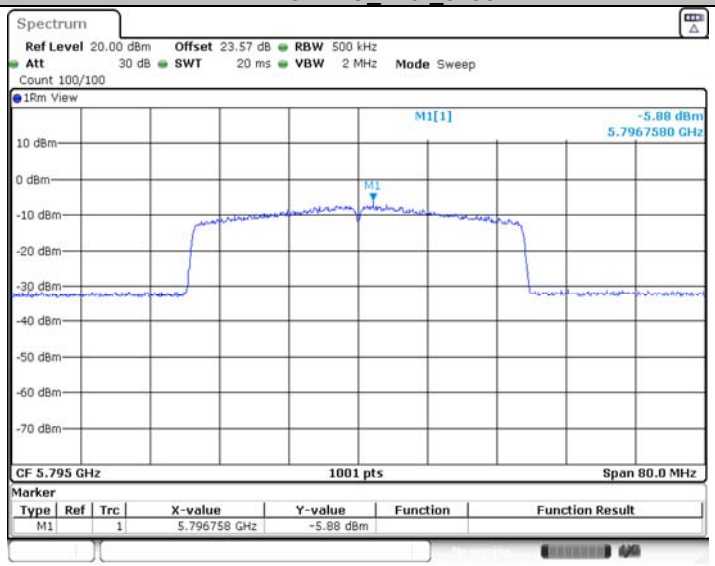

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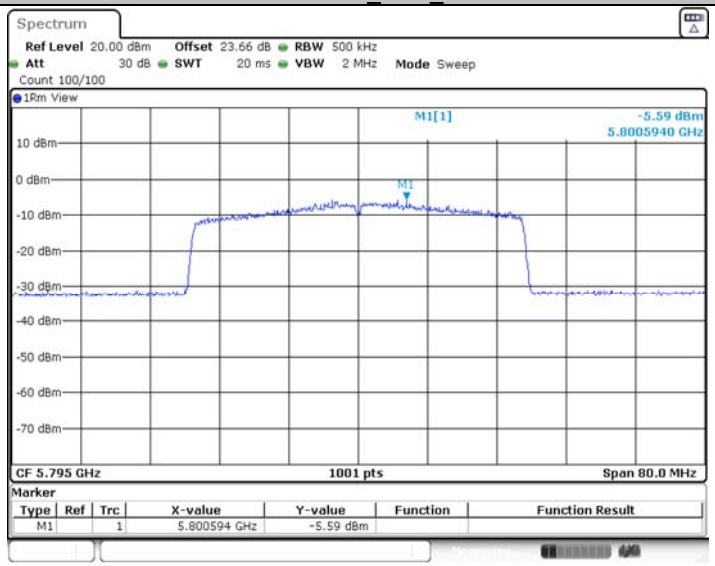

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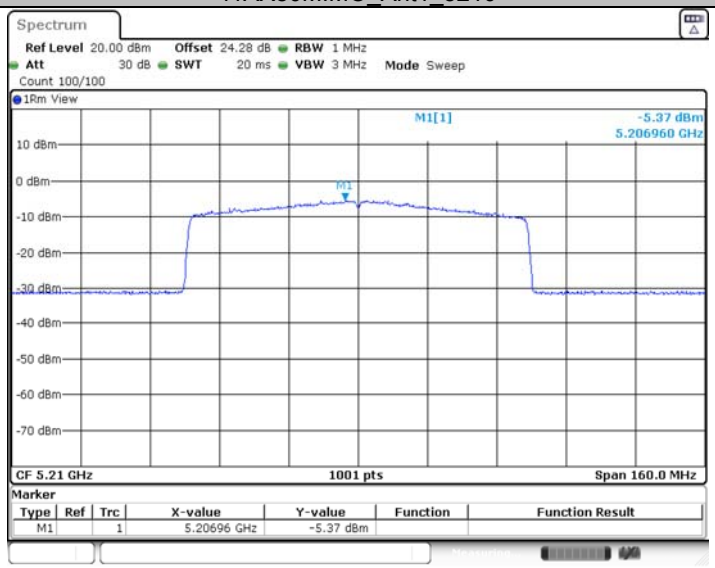

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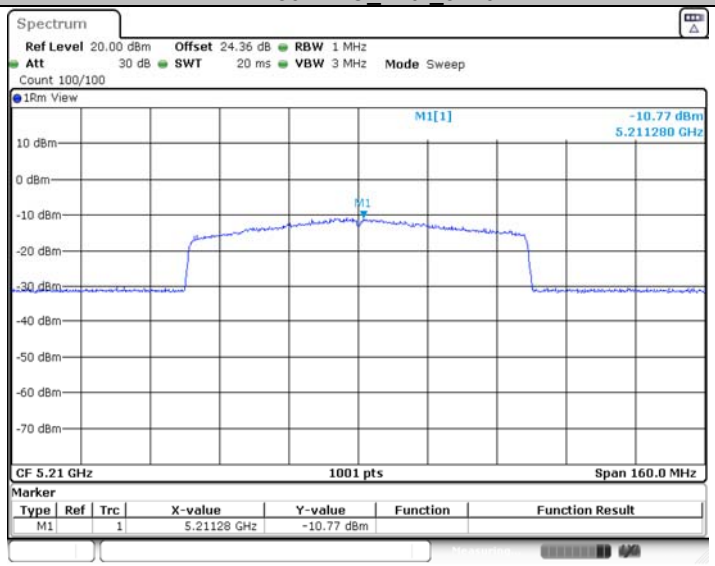

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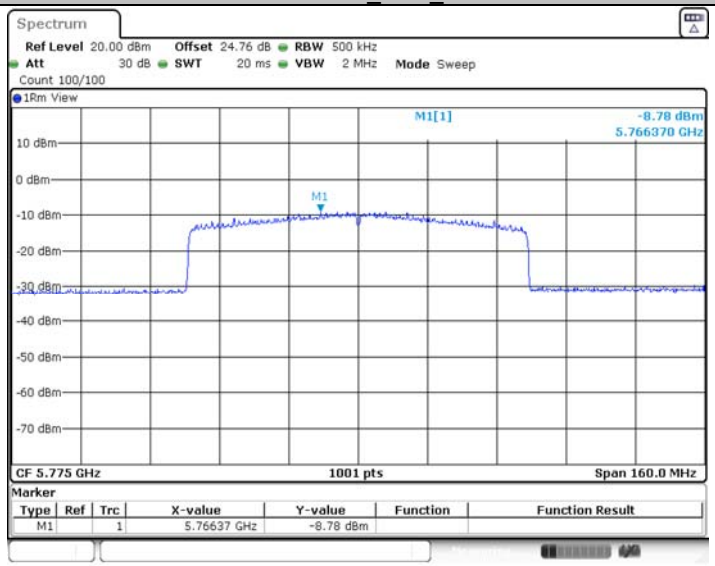

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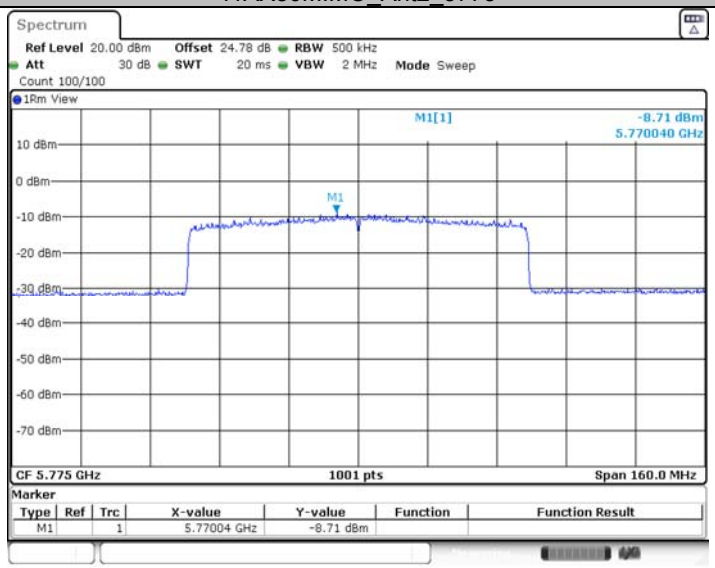


Appendix F: Band edge measurements

Test Result

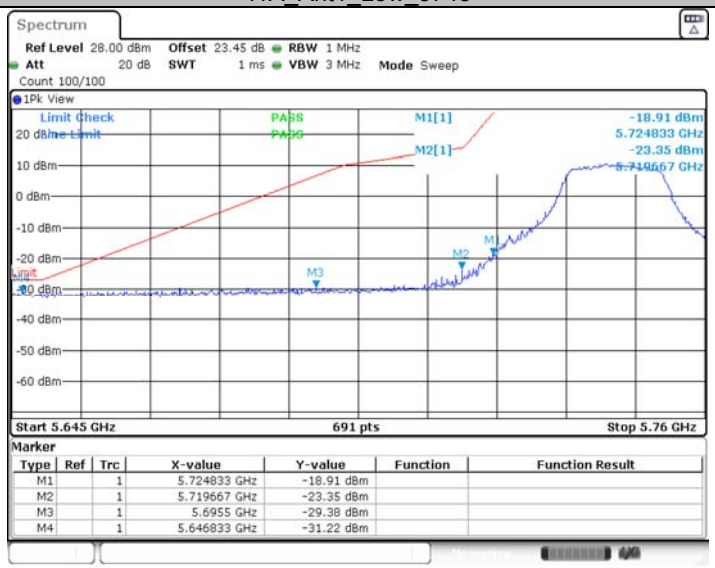
Test Mode	Antenna	Ch Name	Freq(MHz)	Freq Range [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-29.38	≤6.67	PASS
				5700~5720	-23.35	≤15.51	PASS
				5720~5725	-18.91	≤26.62	PASS
				5760~5650	-31.22	≤-27	PASS
	Ant2	Low	5745	5650~5700	-30.51	≤-10.10	PASS
				5700~5720	-26.67	≤15.09	PASS
				5720~5725	-19.02	≤26.24	PASS
				5760~5650	-30.92	≤-27	PASS
	Ant1	High	5825	5850~5855	-27.48	≤22.93	PASS
				5855~5875	-29.31	≤10.71	PASS
				5875~5925	-28.58	≤-15.75	PASS
				5925~5935	-30.23	≤-27	PASS
	Ant2	High	5825	5850~5855	-26.19	≤15.80	PASS
				5855~5875	-27.04	≤10.16	PASS
				5875~5925	-28.77	≤-20.82	PASS
				5925~5935	-29.27	≤-27	PASS
11N20MIMO	Ant1	Low	5745	5650~5700	-29.36	≤7.78	PASS
				5700~5720	-24.83	≤15.60	PASS
				5720~5725	-19.45	≤25.10	PASS
				5760~5650	-31.4	≤-27	PASS
	Ant2	Low	5745	5650~5700	-30.07	≤6.42	PASS
				5700~5720	-28.12	≤15.60	PASS
				5720~5725	-20.57	≤26.62	PASS
				5760~5650	-30.87	≤-27	PASS
	Ant1	High	5825	5850~5855	-28.76	≤23.38	PASS
				5855~5875	-29.46	≤10.49	PASS
				5875~5925	-30.12	≤-9.67	PASS
				5925~5935	-30.66	≤-27	PASS
	Ant2	High	5825	5850~5855	-29.57	≤25.61	PASS
				5855~5875	-29.07	≤11.25	PASS
				5875~5925	-29.75	≤7.99	PASS
				5925~5935	-30.11	≤-27	PASS
11N40MIMO	Ant1	Low	5755	5650~5700	-29.99	≤-5.51	PASS
				5700~5720	-21.65	≤15.47	PASS
				5720~5725	-20.32	≤21.25	PASS
				5780~5650	-30.95	≤-27	PASS
	Ant2	Low	5755	5650~5700	-40.81	≤8.97	PASS
				5700~5720	-38.76	≤15.09	PASS
				5720~5725	-39.05	≤19.47	PASS
				5780~5650	-42.13	≤-27	PASS
	Ant1	High	5795	5850~5855	-30.45	≤22.93	PASS
				5855~5875	-29.64	≤11.84	PASS
				5875~5925	-30.4	≤-10.91	PASS
				5925~5935	-29.86	≤-27	PASS
	Ant2	High	5795	5850~5855	-29.99	≤25.66	PASS
				5855~5875	-30.49	≤12.51	PASS
				5875~5925	-29.91	≤-22.59	PASS
				5925~5935	-29.71	≤-27	PASS
11AC20MIMO	Ant1	Low	5745	5650~5700	-30.15	≤-7.51	PASS
				5700~5720	-27.55	≤15.60	PASS
				5720~5725	-22.16	≤26.62	PASS
				5760~5650	-31.04	≤-27	PASS
	Ant2	Low	5745	5650~5700	-30.93	≤1.74	PASS
				5700~5720	-30.63	≤12.52	PASS

				5720~5725	-31.35	≤20.54	PASS
				5760~5650	-31.8	≤-27	PASS
	Ant1	High	5825	5850~5855	-29.52	≤15.80	PASS
				5855~5875	-30.03	≤13.55	PASS
				5875~5925	-30.28	≤2.92	PASS
				5925~5935	-30.58	≤-27	PASS
	Ant2	High	5825	5850~5855	-29.76	≤17.58	PASS
				5855~5875	-29.95	≤13.12	PASS
				5875~5925	-30.05	≤-4.90	PASS
				5925~5935	-30.3	≤-27	PASS
11AC40MIMO	Ant1	Low	5755	5650~5700	-30.85	≤-6.67	PASS
				5700~5720	-28.37	≤15.25	PASS
				5720~5725	-26.01	≤25.71	PASS
				5780~5650	-31.67	≤-27	PASS
	Ant2	Low	5755	5650~5700	-31.11	≤6.65	PASS
				5700~5720	-30.41	≤13.28	PASS
				5720~5725	-30.11	≤26.16	PASS
				5780~5650	-32.17	≤-27	PASS
	Ant1	High	5795	5850~5855	-31.1	≤25.12	PASS
				5855~5875	-30.59	≤11.04	PASS
				5875~5925	-30.3	≤-1.18	PASS
				5925~5935	-30.88	≤-27	PASS
	Ant2	High	5795	5850~5855	-29.7	≤22.93	PASS
				5855~5875	-30.38	≤12.92	PASS
				5875~5925	-30.79	≤-2.06	PASS
				5925~5935	-30.73	≤-27	PASS
11AC80MIMO	Ant1	Low	5775	5650~5700	-31.17	≤-3.27	PASS
				5700~5720	-30.81	≤12.78	PASS
				5720~5725	-31.32	≤24.88	PASS
				5800~5650	-31.82	≤-27	PASS
		High	5775	5850~5855	-31.12	≤21.73	PASS
				5855~5875	-30.84	≤10.93	PASS
				5875~5925	-30.48	≤9.46	PASS
				5925~5935	-31.57	≤-27	PASS
	Ant2	Low	5775	5650~5700	-31.33	≤9.03	PASS
				5700~5720	-30.4	≤15.04	PASS
				5720~5725	-31.21	≤21.81	PASS
				5800~5650	-31.87	≤-27	PASS
		High	5775	5850~5855	-30.46	≤23.56	PASS
				5855~5875	-29.99	≤10.03	PASS
				5875~5925	-30.29	≤-15.34	PASS
				5925~5935	-30.85	≤-27	PASS
11AX20MIMO	Ant1	Low	5745	5650~5700	-31.03	≤-1.22	PASS
				5700~5720	-31.18	≤12.57	PASS
				5720~5725	-22.1	≤27.00	PASS
				5760~5650	-31.79	≤-27	PASS
	Ant2	Low	5745	5650~5700	-31.54	≤-5.66	PASS
				5700~5720	-30.98	≤14.90	PASS
				5720~5725	-24.79	≤27.00	PASS
				5760~5650	-32.68	≤-27	PASS
	Ant1	High	5825	5850~5855	-30.85	≤26.95	PASS
				5855~5875	-30.44	≤10.05	PASS
				5875~5925	-30.06	≤-14.60	PASS
				5925~5935	-30.26	≤-27	PASS
	Ant2	High	5825	5850~5855	-31.08	≤19.81	PASS
				5855~5875	-30.05	≤12.24	PASS
				5875~5925	-30.15	≤-22.85	PASS
				5925~5935	-31.06	≤-27	PASS
11AX40MIM	Ant1	Low	5755	5650~5700	-30.79	≤-18.39	PASS

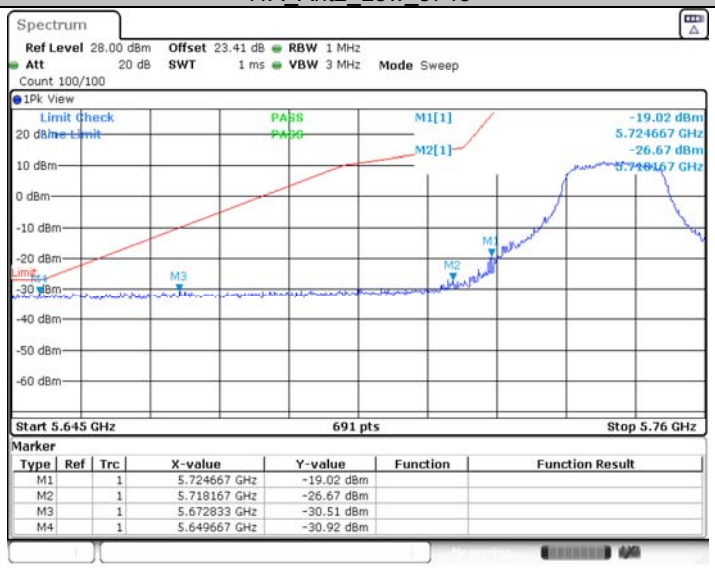
O				5700~5720	-30.77	≤11.14	PASS
				5720~5725	-31.26	≤23.93	PASS
				5780~5650	-32.67	≤-27	PASS
	Ant2	Low	5755	5650~5700	-31.46	≤6.22	PASS
				5700~5720	-31.09	≤11.36	PASS
				5720~5725	-30.77	≤22.14	PASS
				5780~5650	-32.1	≤-27	PASS
	Ant1	High	5795	5850~5855	-31.43	≤25.66	PASS
				5855~5875	-30.56	≤11.64	PASS
				5875~5925	-30.69	≤6.61	PASS
				5925~5935	-31.41	≤-27	PASS
	Ant2	High	5795	5850~5855	-31.28	≤22.93	PASS
				5855~5875	-29.23	≤13.52	PASS
				5875~5925	-30.66	≤5.72	PASS
				5925~5935	-31.2	≤-27	PASS
11AX80MIMO	Ant1	Low	5775	5650~5700	-31.45	≤8.70	PASS
				5700~5720	-31.12	≤13.53	PASS
				5720~5725	-31.53	≤23.35	PASS
				5800~5650	-32.55	≤-27	PASS
		High	5775	5850~5855	-30.65	≤15.62	PASS
				5855~5875	-31.16	≤13.93	PASS
				5875~5925	-30.52	≤-6.21	PASS
				5925~5935	-31.03	≤-27	PASS
	Ant2	Low	5775	5650~5700	-31.64	≤9.69	PASS
				5700~5720	-31.01	≤12.53	PASS
				5720~5725	-30.68	≤23.86	PASS
				5800~5650	-32.16	≤-27	PASS
		High	5775	5850~5855	-30.92	≤16.23	PASS
				5855~5875	-30.5	≤11.91	PASS
				5875~5925	-30.72	≤6.49	PASS
				5925~5935	-31.36	≤-27	PASS

Test Graphs

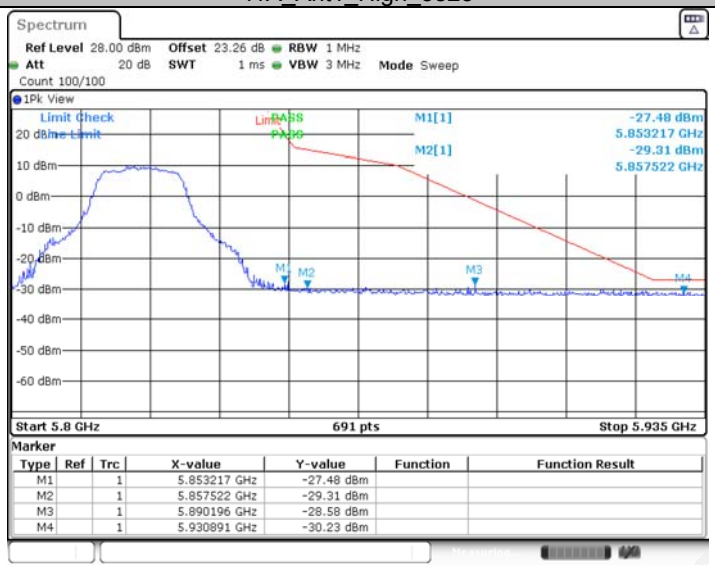
11A_Ant1_Low_5745



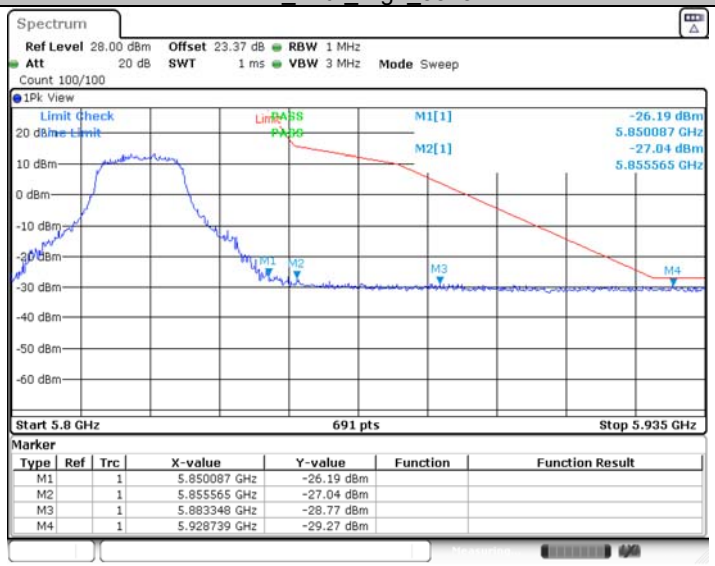
11A_Ant2_Low_5745



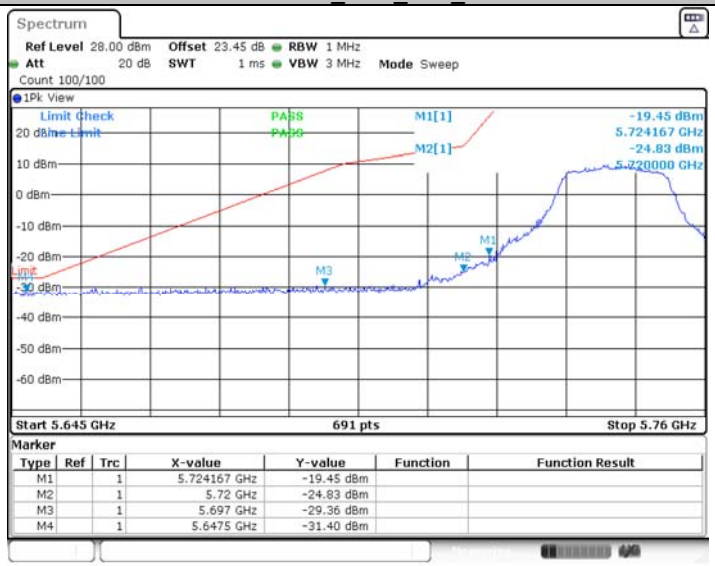
11A_Ant1_High_5825



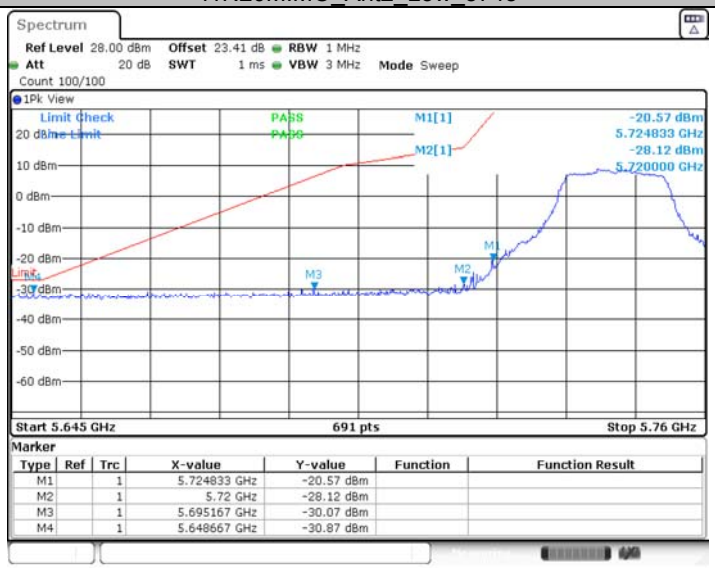
11A_Ant2_High_5825



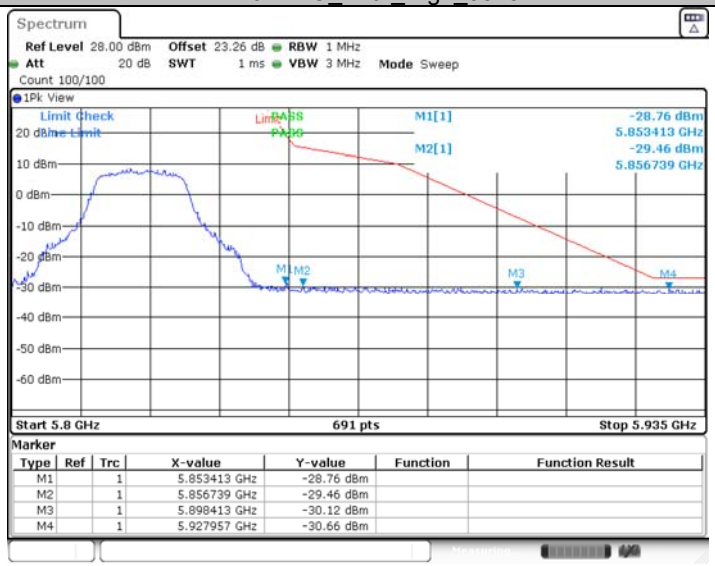
11N20MIMO_Ant1_Low_5745



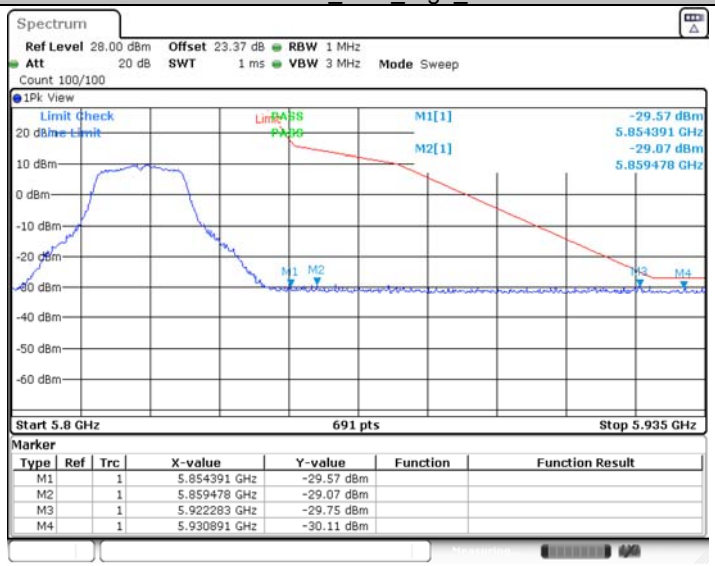
11N20MIMO_Ant2_Low_5745



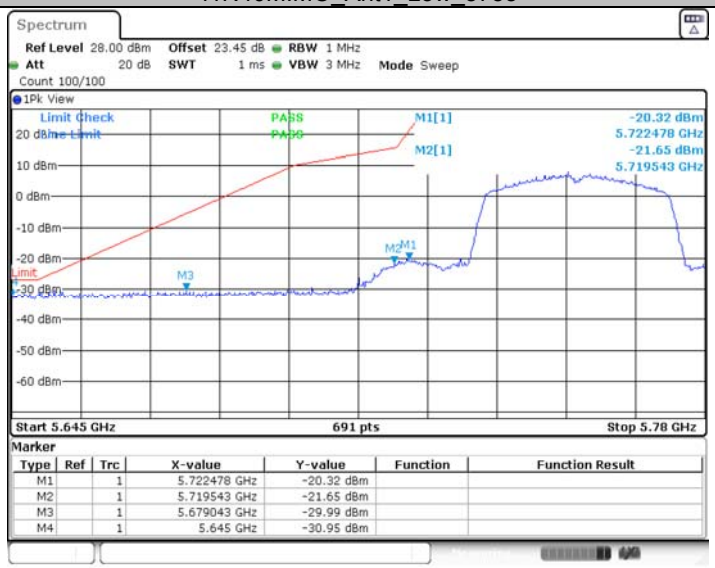
11N20MIMO_Ant1_High_5825



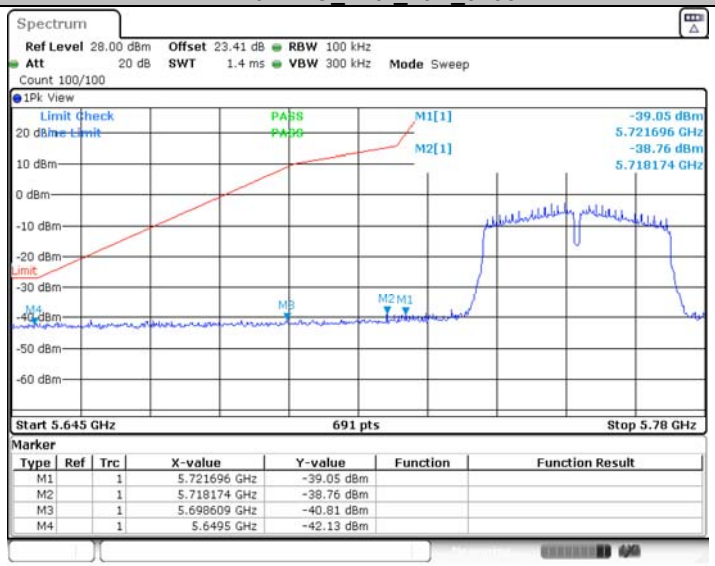
11N20MIMO_Ant2_High_5825



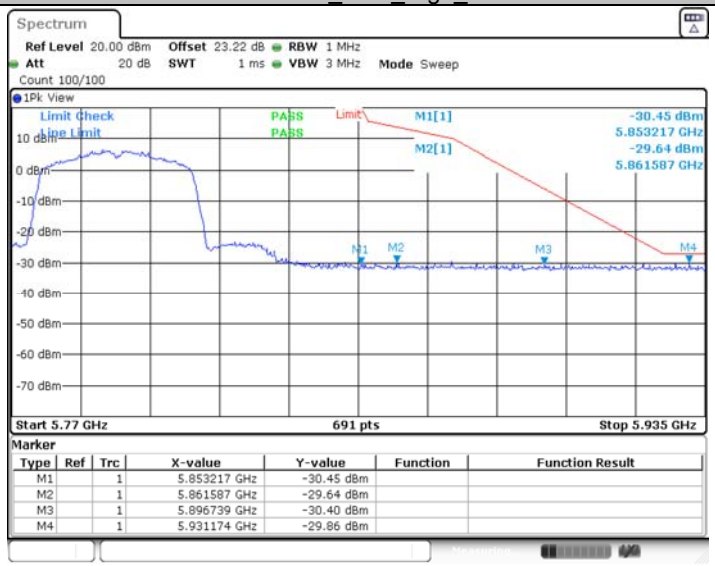
11N40MIMO_Ant1_Low_5755



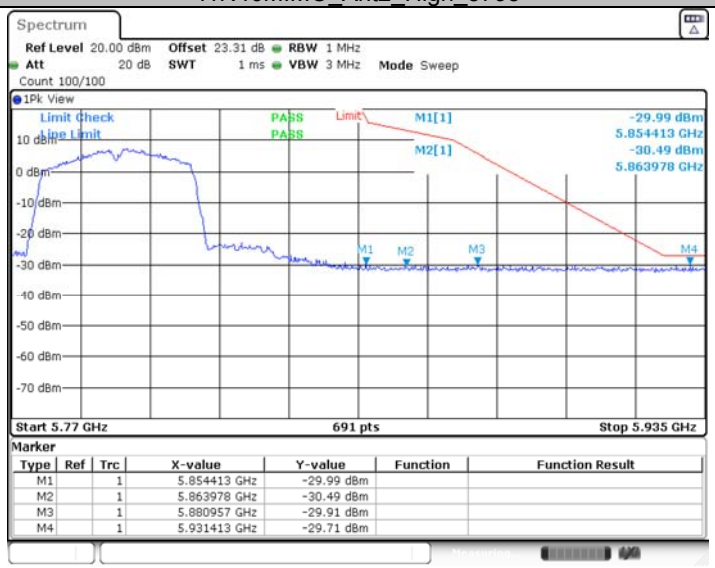
11N40MIMO_Ant2_Low_5755



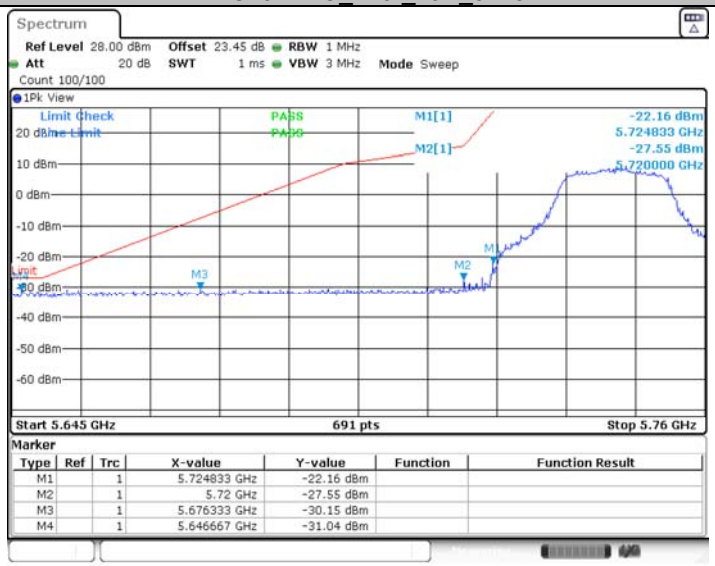
11N40MIMO_Ant1_High_5795



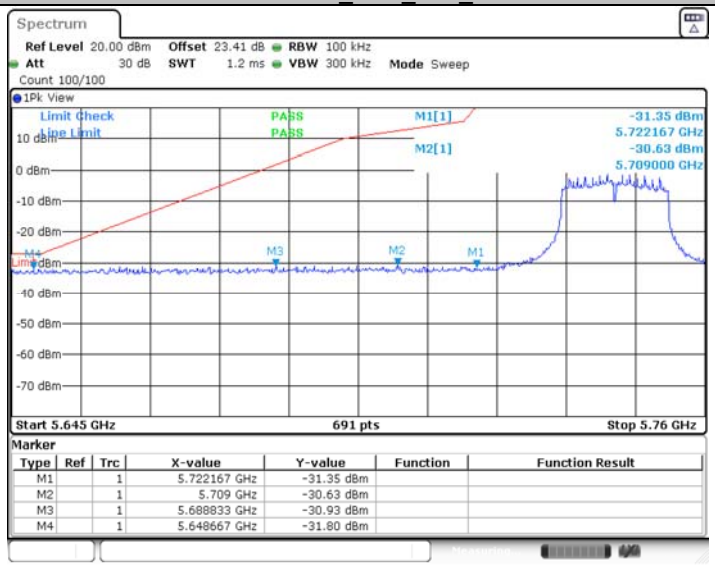
11N40MIMO_Ant2_High_5795



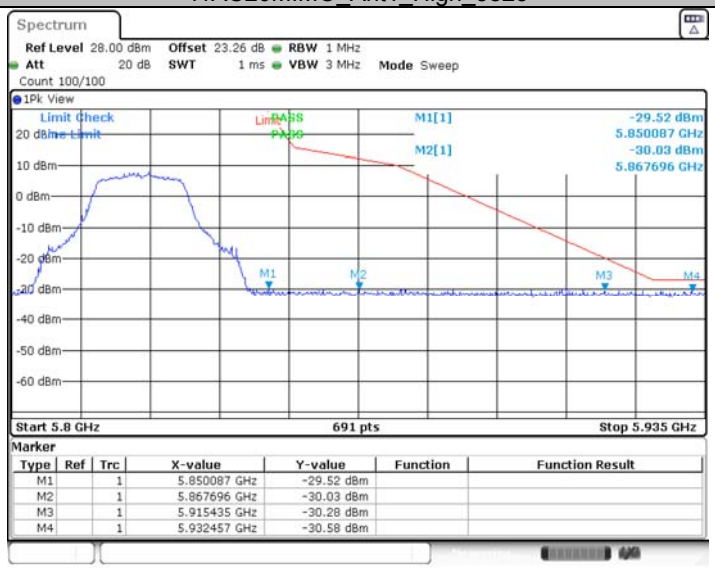
11AC20MIMO_Ant1_Low_5745



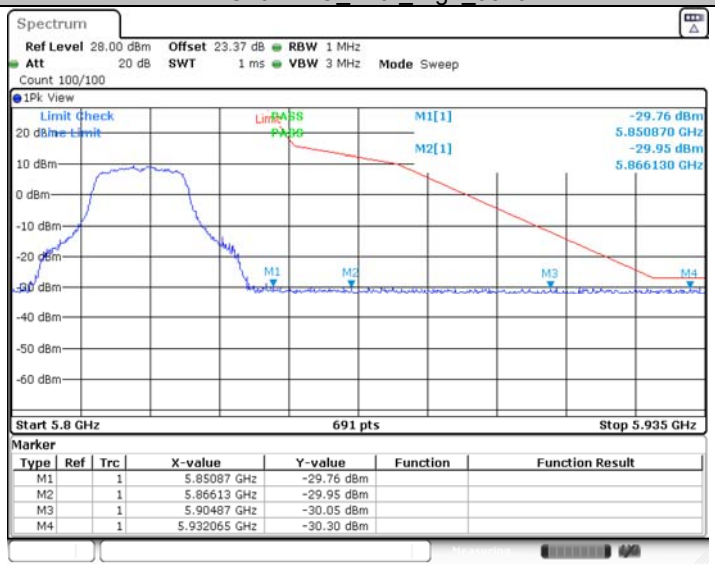
11AC20MIMO_Ant2_Low_5745



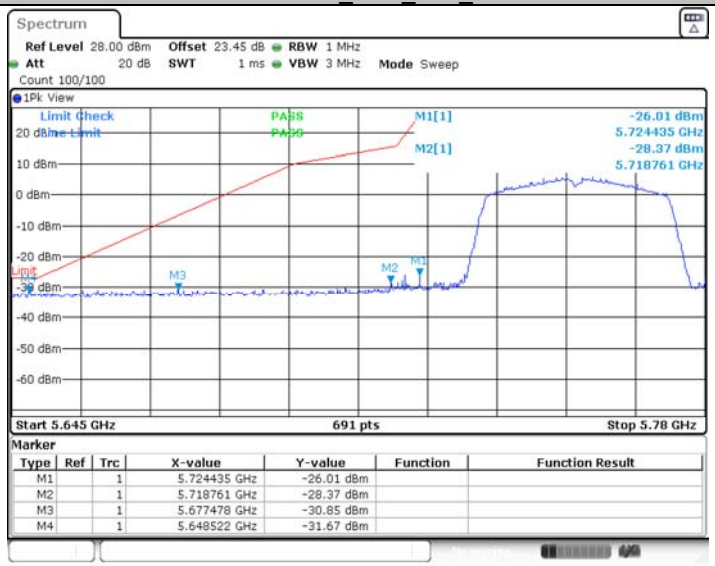
11AC20MIMO_Ant1_High_5825



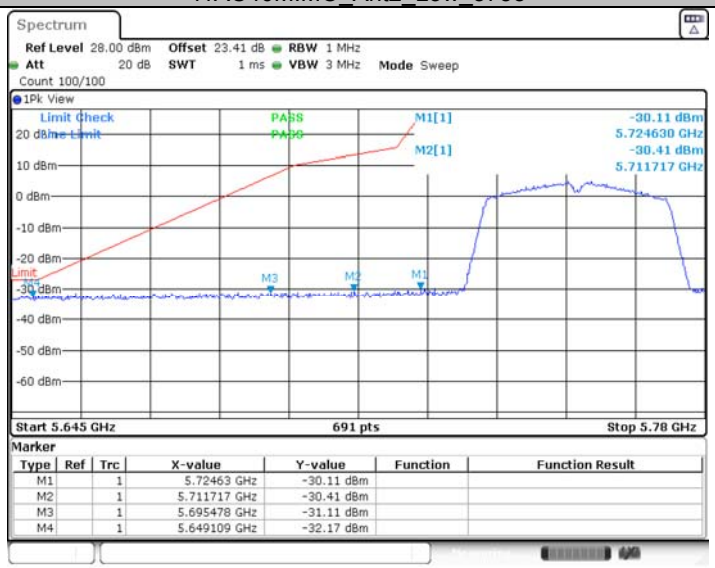
11AC20MIMO_Ant2_High_5825



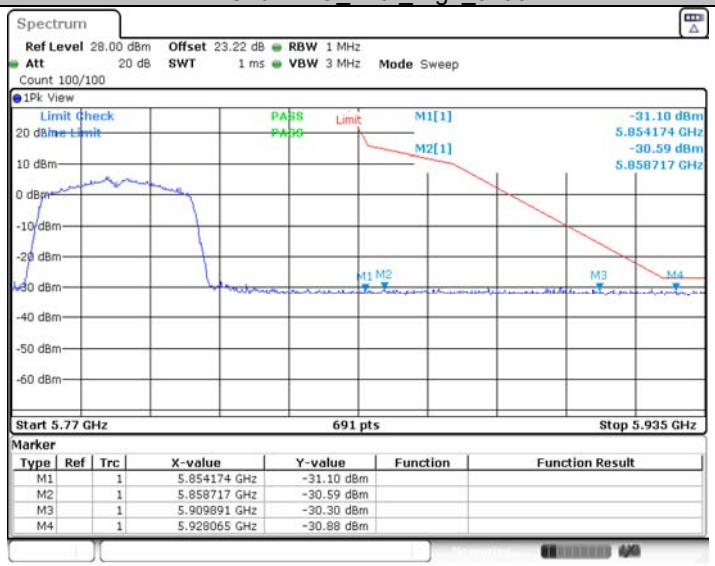
11AC40MIMO_Ant1_Low_5755



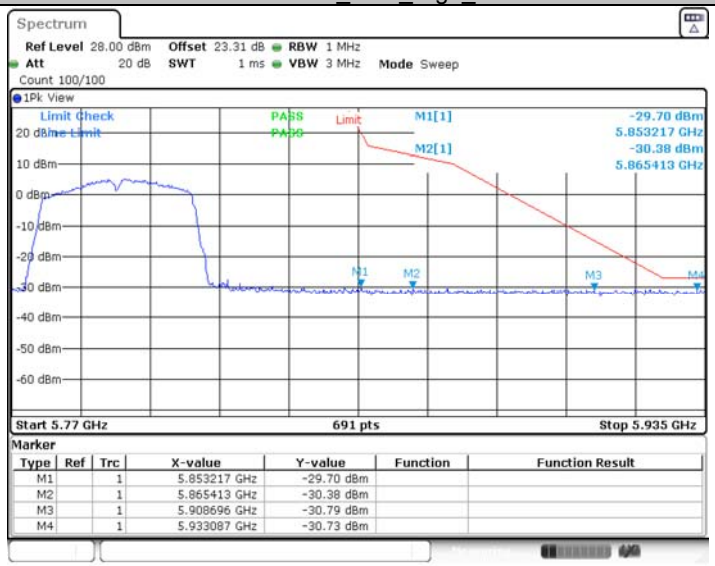
11AC40MIMO_Ant2_Low_5755



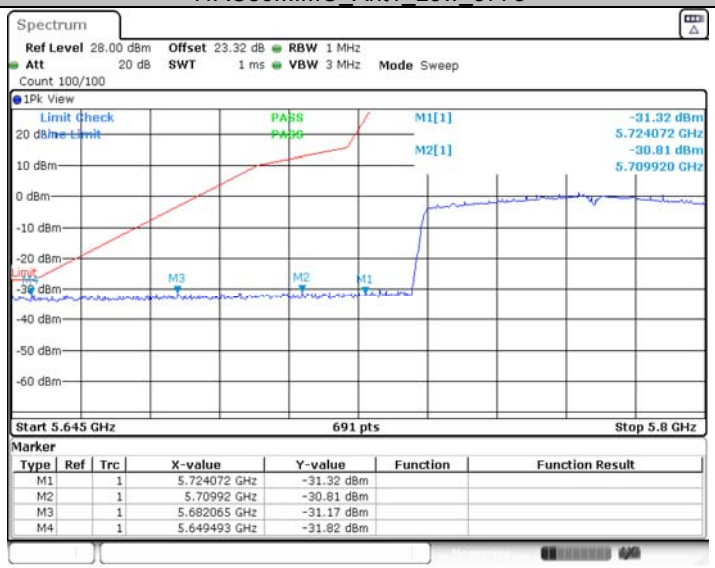
11AC40MIMO_Ant1_High_5795



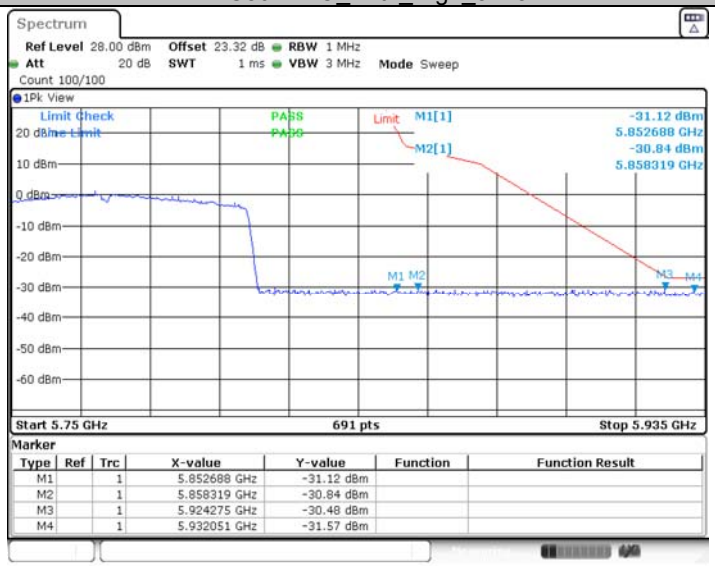
11AC40MIMO_Ant2_High_5795



11AC80MIMO_Ant1_Low_5775



11AC80MIMO_Ant1_High_5775



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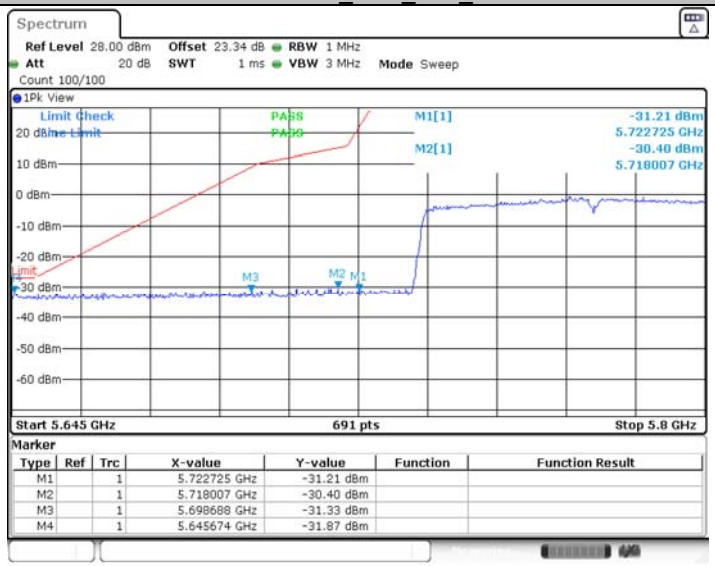
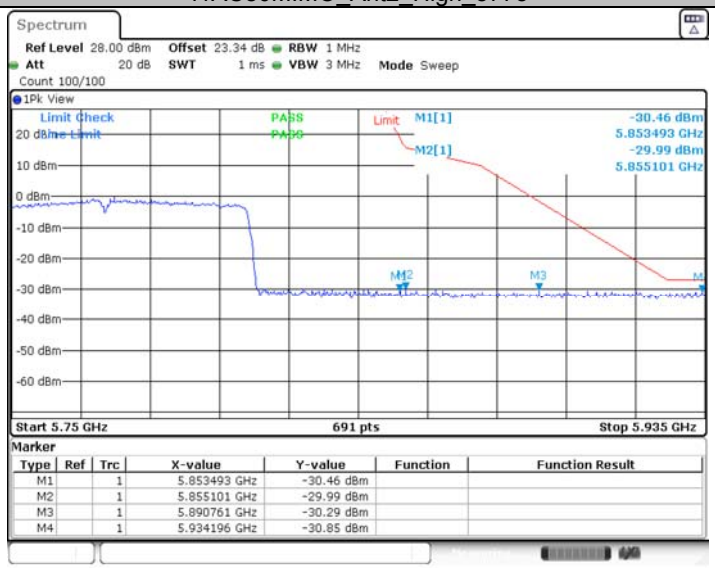
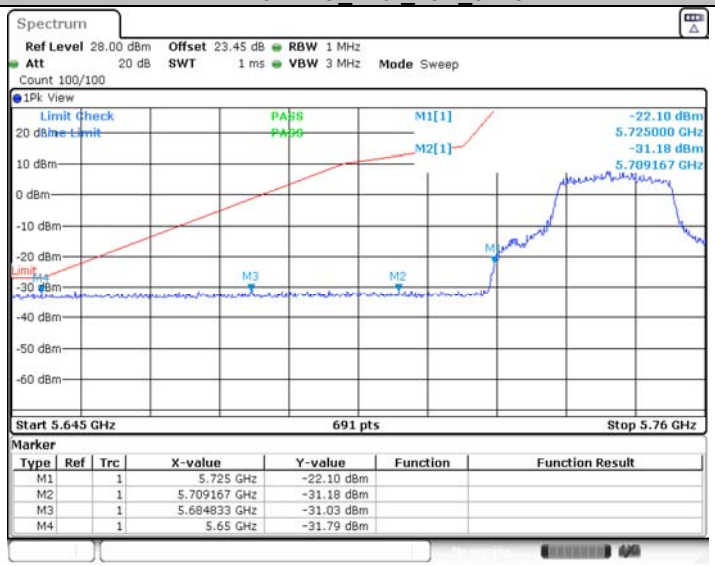


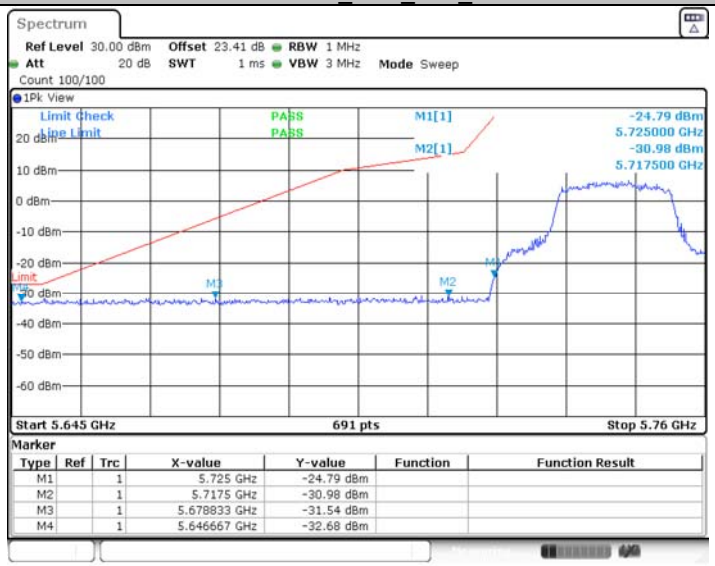
11AC80MIMO_Ant2_High_5775



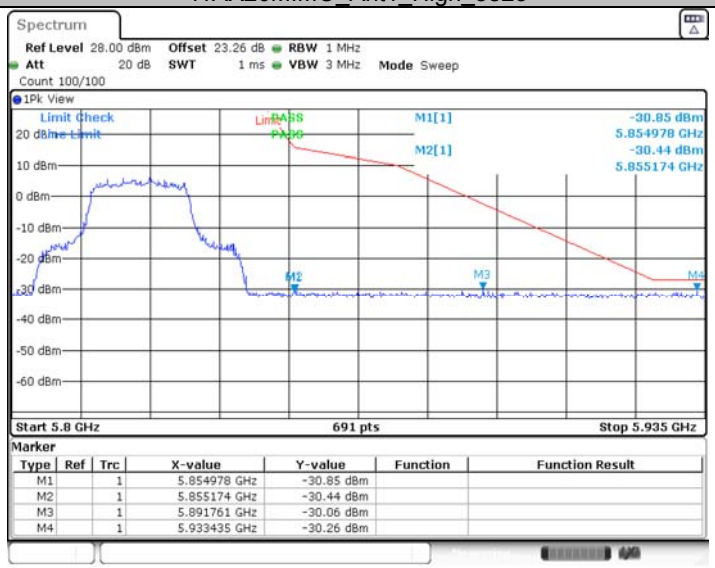
11AX20MIMO_Ant1_Low_5745



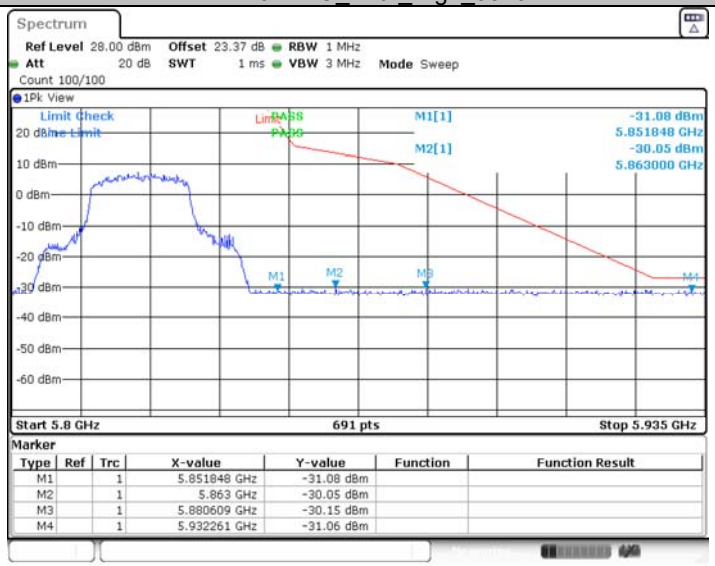
11AX20MIMO_Ant2_Low_5745



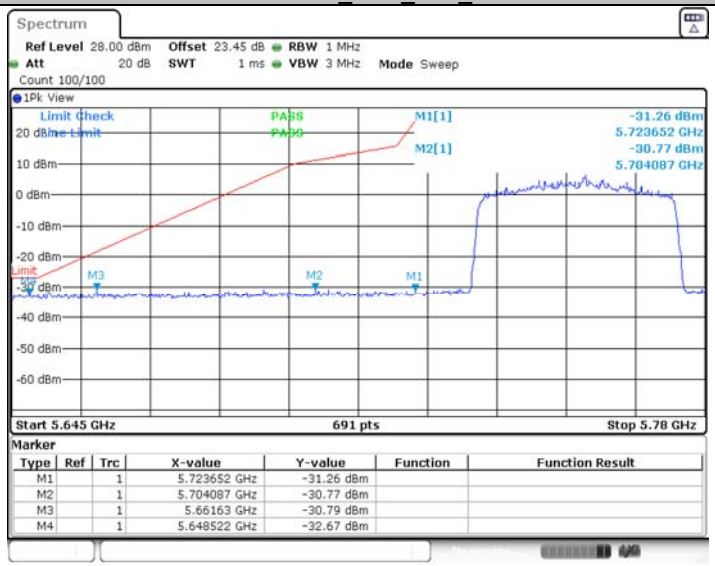
11AX20MIMO_Ant1_High_5825



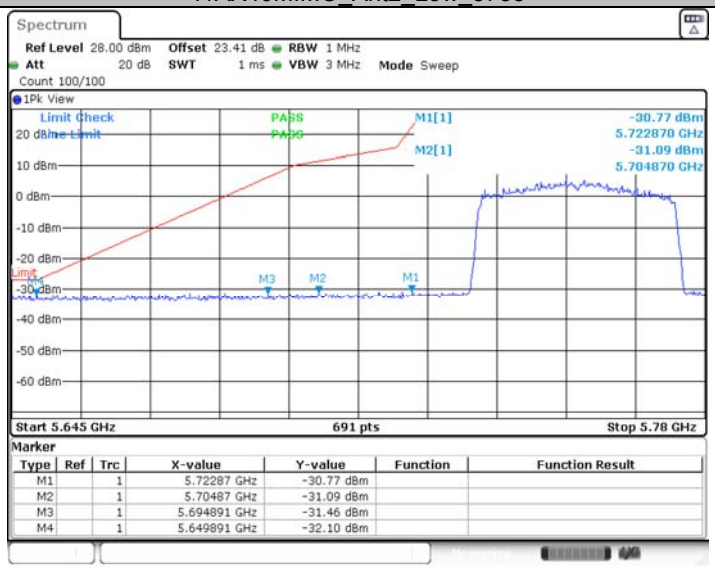
11AX20MIMO_Ant2_High_5825



11AX40MIMO_Ant1_Low_5755



11AX40MIMO_Ant2_Low_5755



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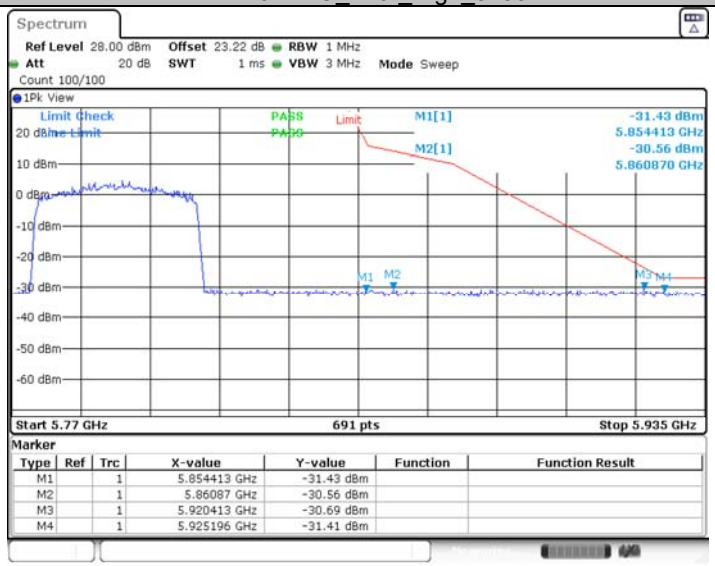

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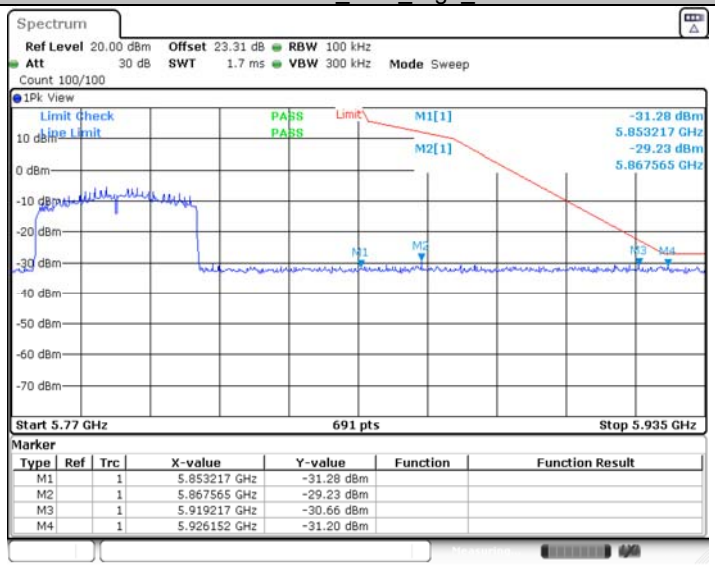
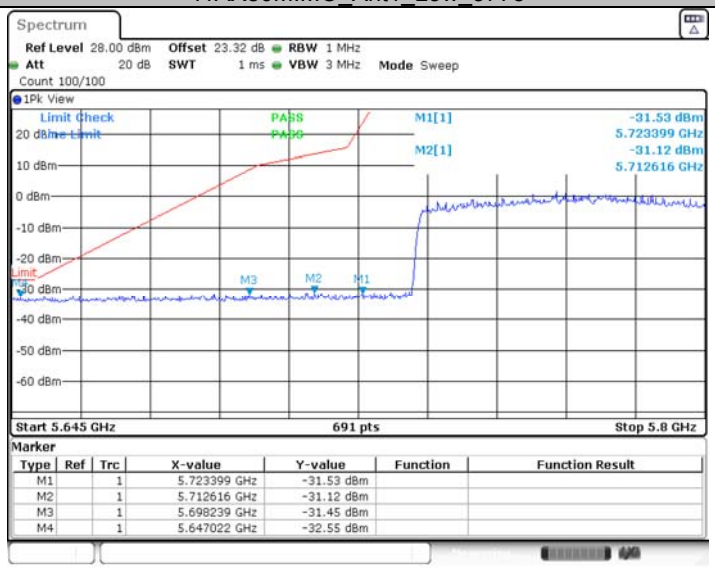
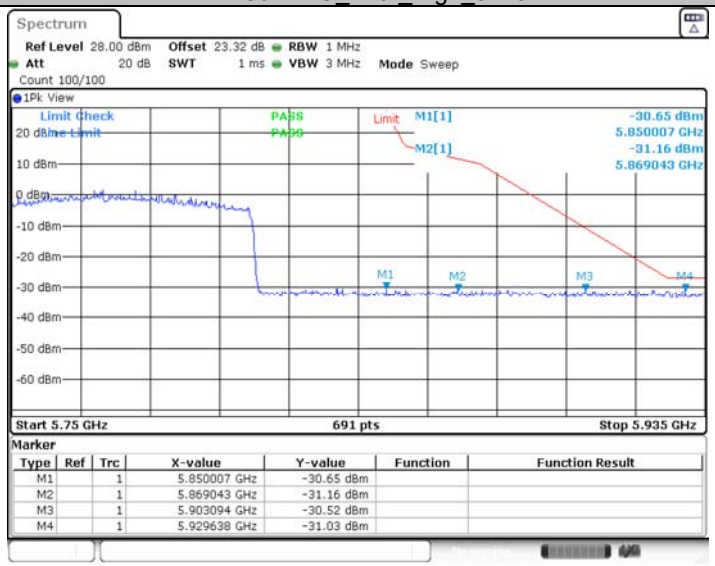


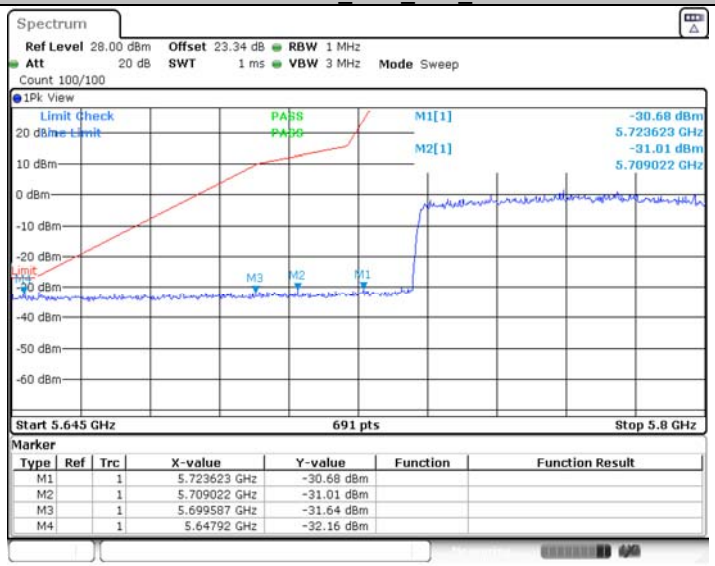
11AX80MIMO_Ant1_Low_5775



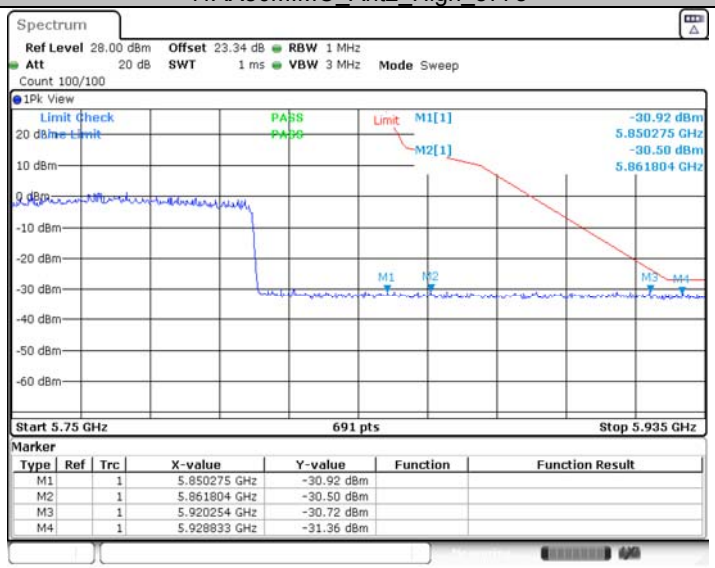
11AX80MIMO_Ant1_High_5775



11AX80MIMO_Ant2_Low_5775



11AX80MIMO_Ant2_High_5775



Appendix G: Frequency Stability

Test Result

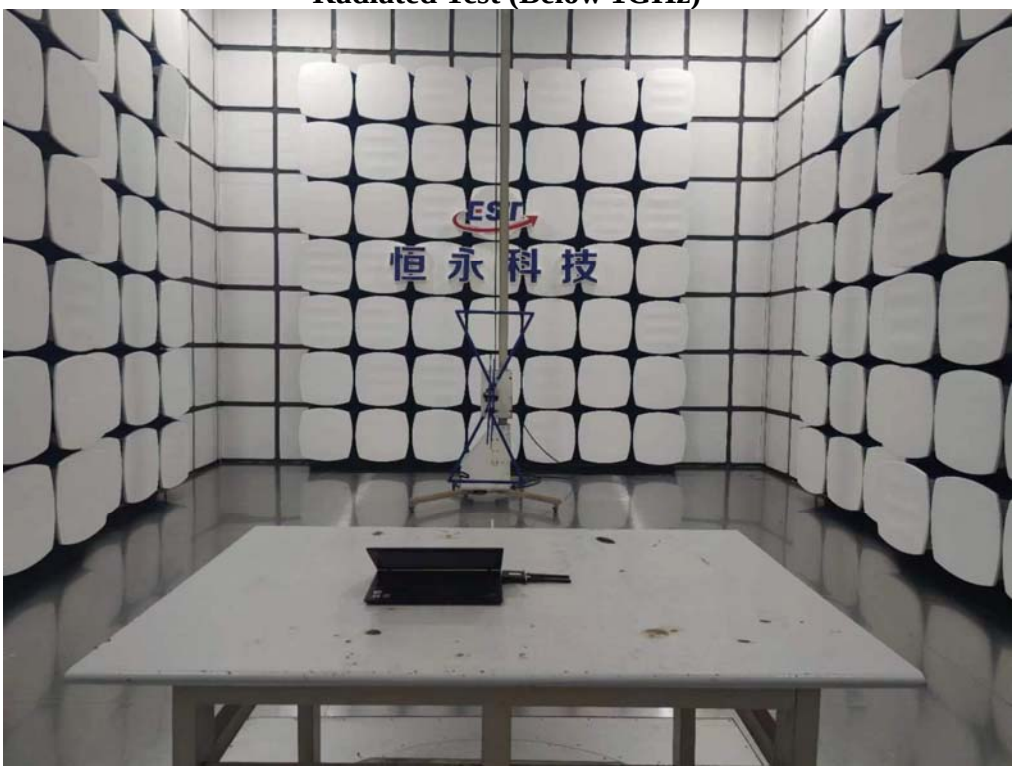
Voltage								
Test Mode	Antenna	Freq (MHz)	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS
			LV	NT	-40000.00	-7.722008	20	PASS
			HV	NT	-40000.00	-7.722008	20	PASS
		5745	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	-20000.00	-3.481288	20	PASS
			HV	NT	-20000.00	-3.481288	20	PASS

Temperature								
Tes tMode	Antenna	Freq (MHz)	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-40000.00	-7.722008	20	PASS
			NV	-20	-60000.00	-11.583012	20	PASS
			NV	-10	-40000.00	-7.722008	20	PASS
			NV	0	-20000.00	-3.861004	20	PASS
			NV	10	-40000.00	-7.722008	20	PASS
			NV	20	-60000.00	-11.583012	20	PASS
			NV	30	-40000.00	-7.722008	20	PASS
			NV	40	-40000.00	-7.722008	20	PASS
			NV	50	-40000.00	-7.722008	20	PASS
		5745	NV	-30	-20000.00	-3.481288	20	PASS
			NV	-20	-40000.00	-6.962576	20	PASS
			NV	-10	-20000.00	-3.481288	20	PASS
			NV	0	-40000.00	-6.962576	20	PASS
			NV	10	-40000.00	-6.962576	20	PASS
			NV	20	-20000.00	-3.481288	20	PASS
			NV	30	-40000.00	-6.962576	20	PASS
			NV	40	-40000.00	-6.962576	20	PASS
			NV	50	-20000.00	-3.481288	20	PASS

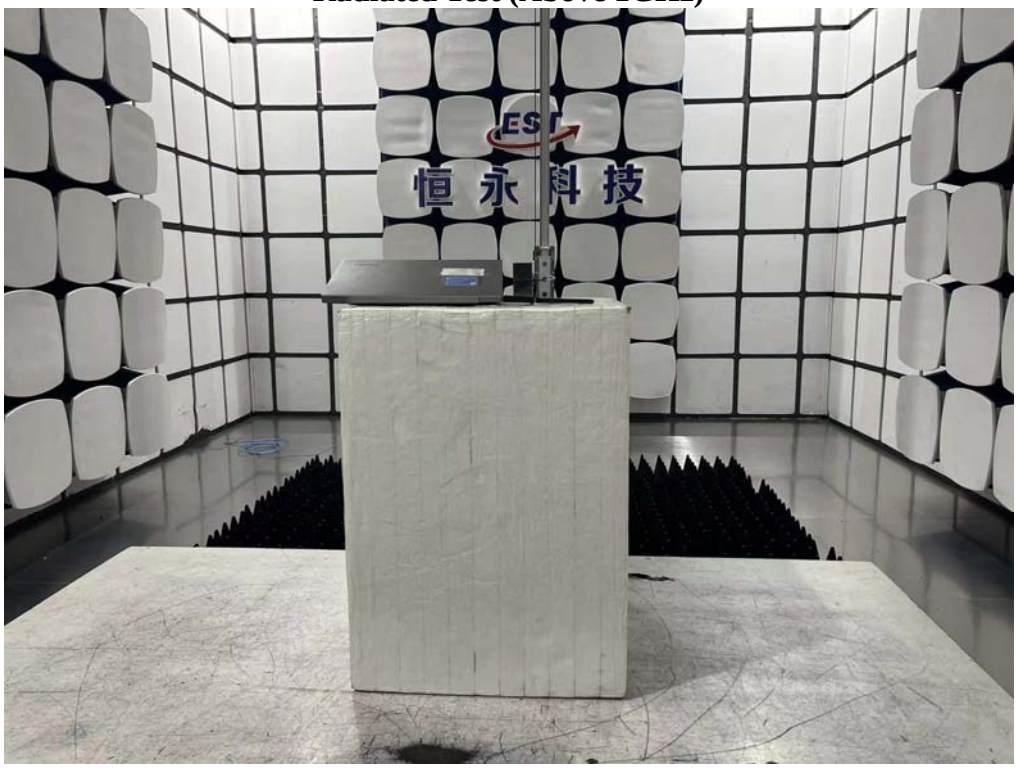
11. TEST SETUP PHOTO

Conducted Test

Radiated Test (Below 1GHz)



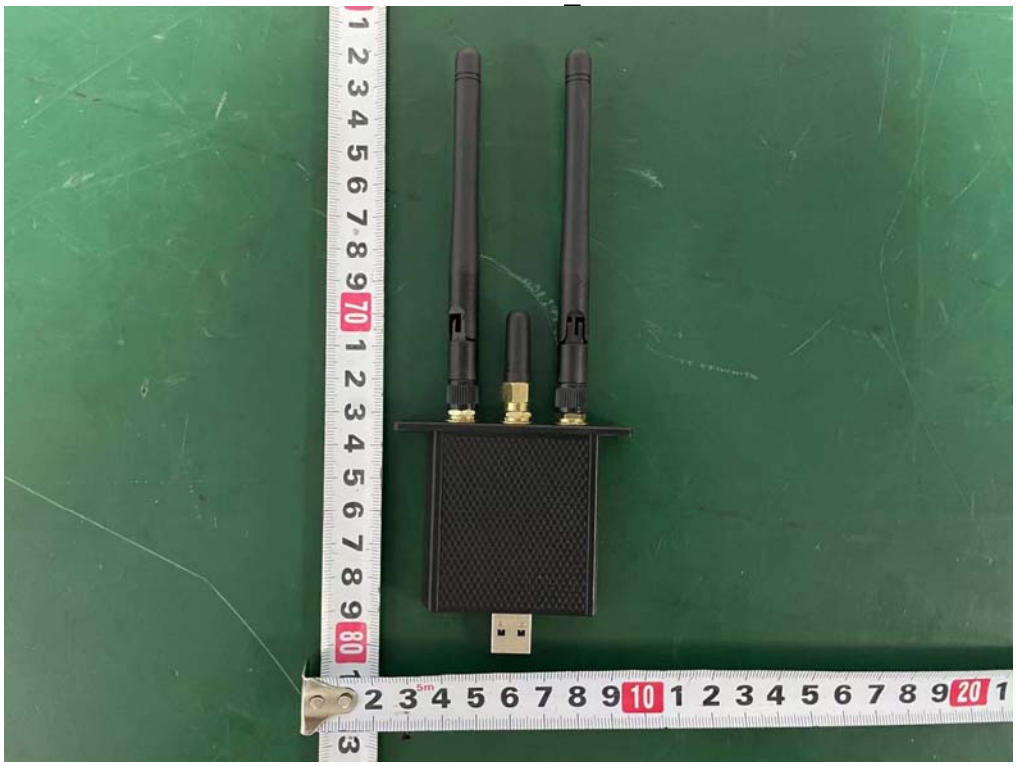
Radiated Test (Above 1GHz)

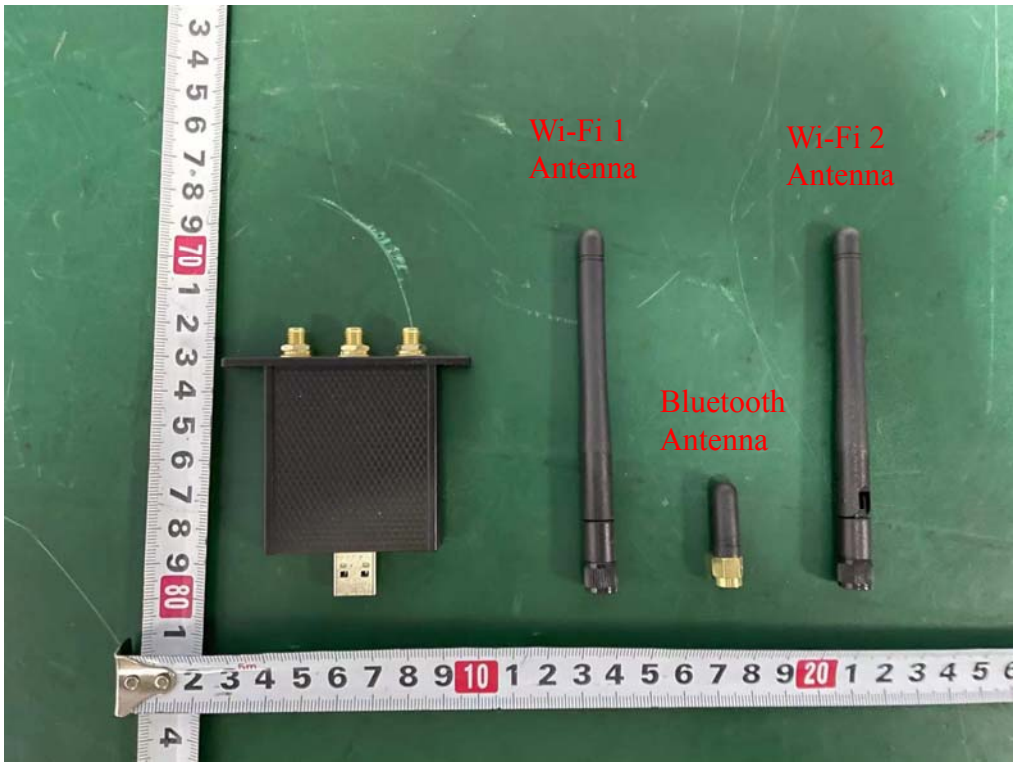


12.EUT PHOTO

External Photos

M/N: 43RG09_Wifi



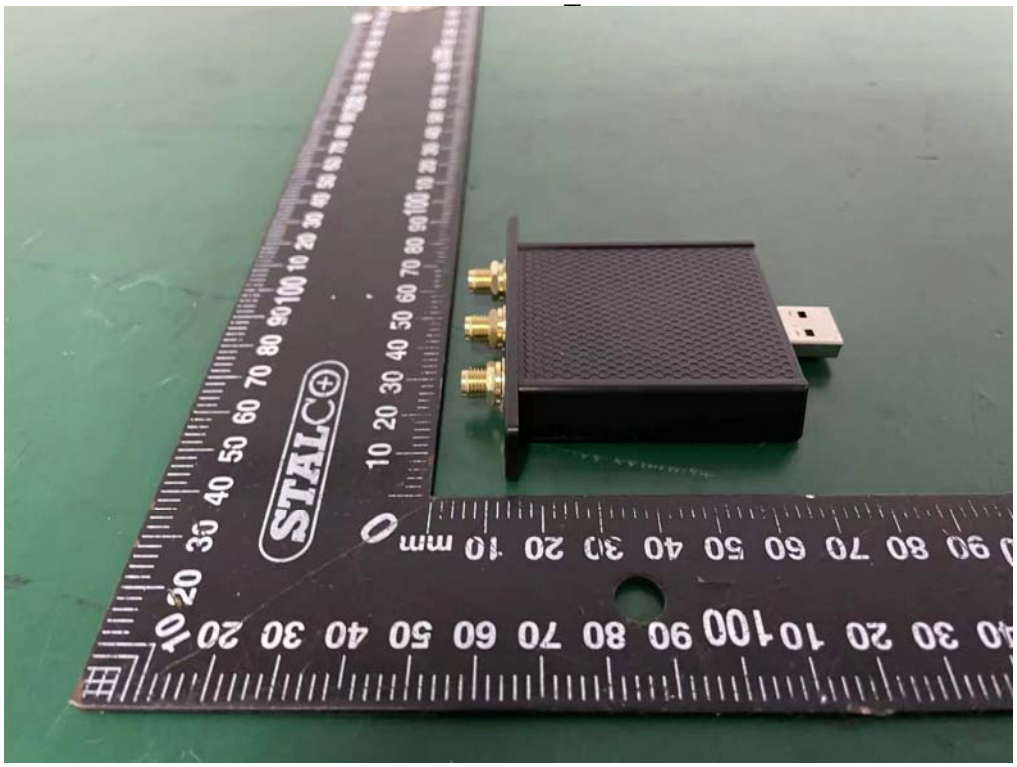


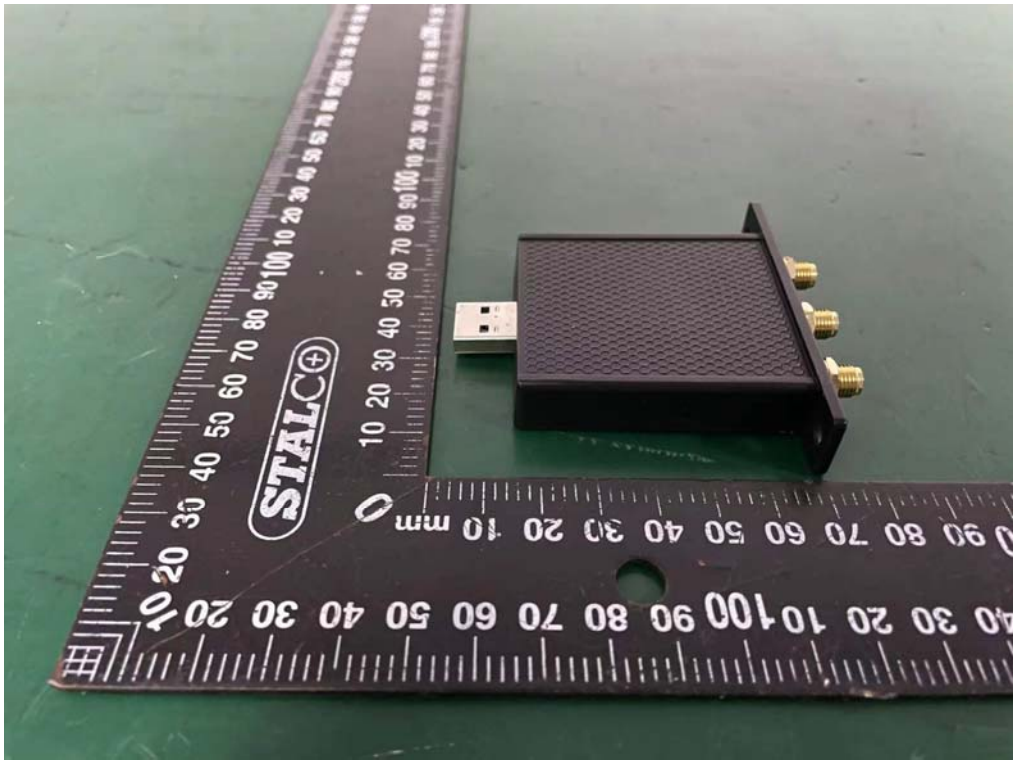
External Photos

M/N: 43RG09_Wifi

External Photos

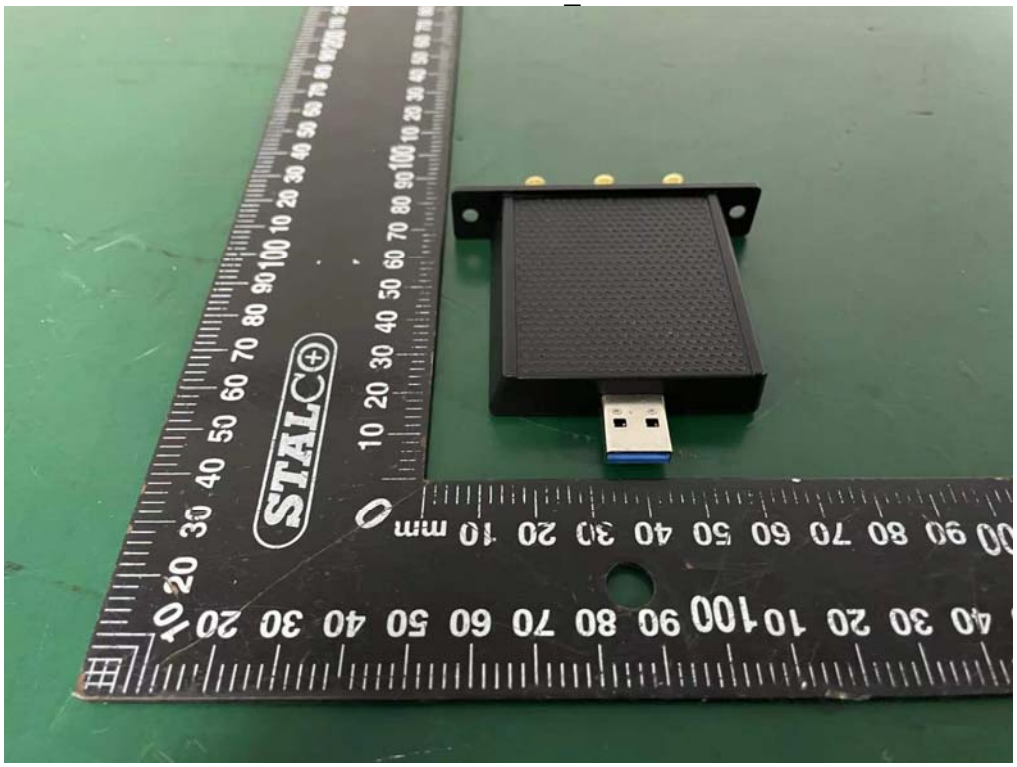
M/N: 43RG09_Wifi

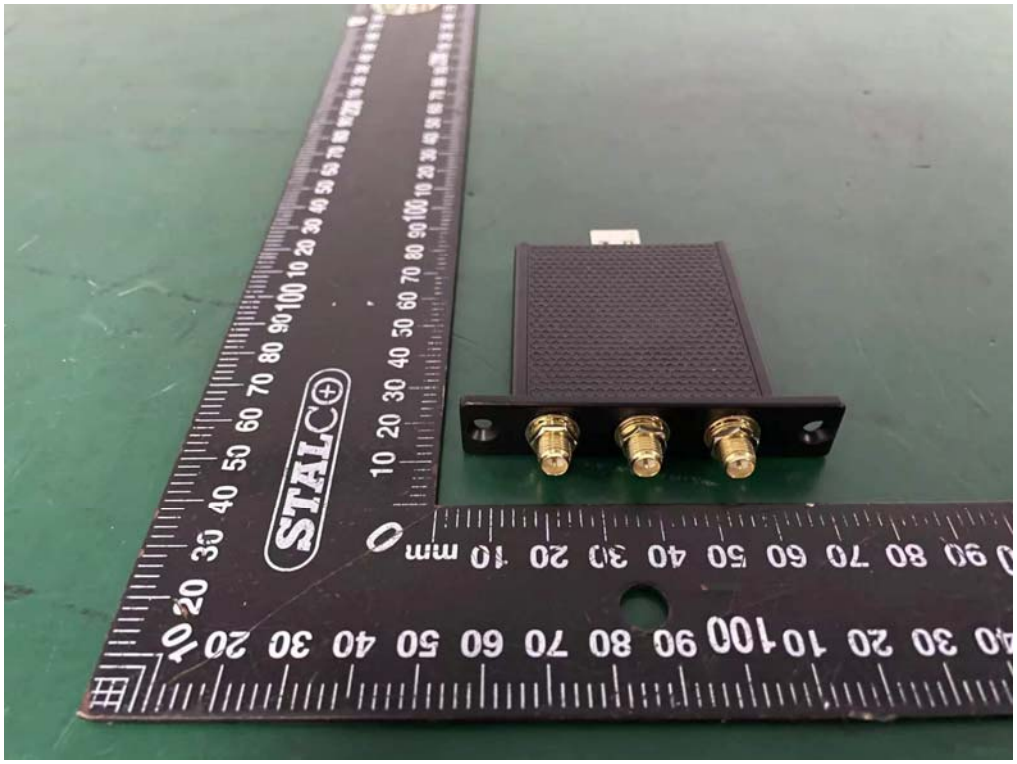




External Photos

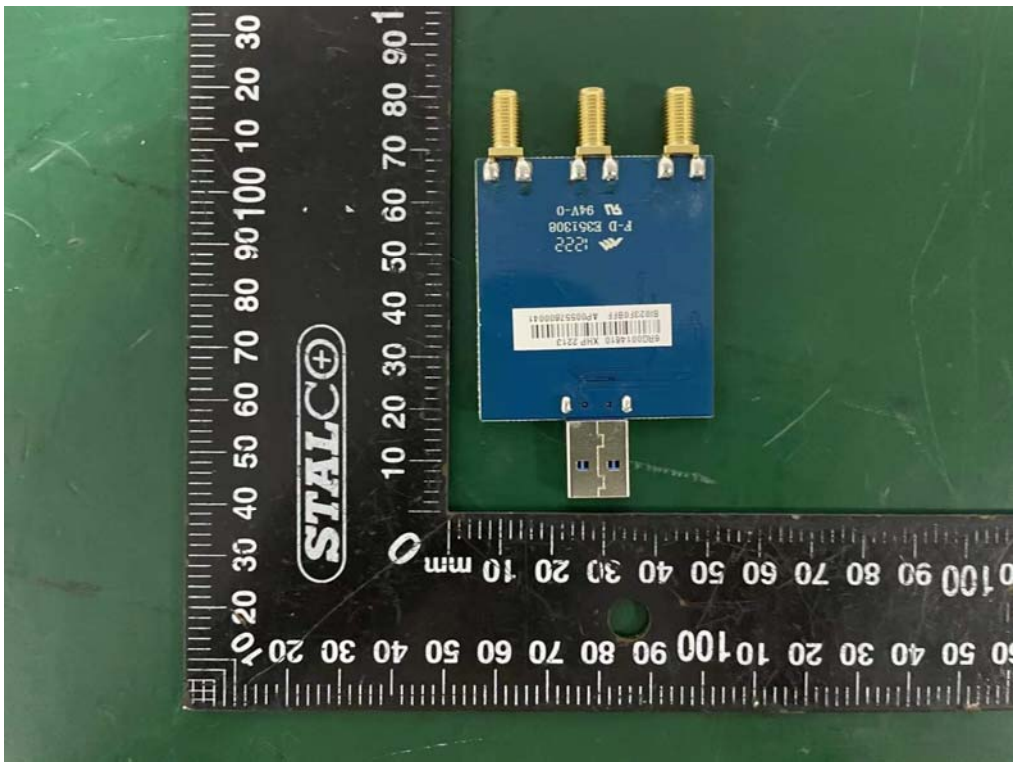
M/N: 43RG09_Wifi





Internal Photos

M/N: 43RG09_Wifi



Internal Photos

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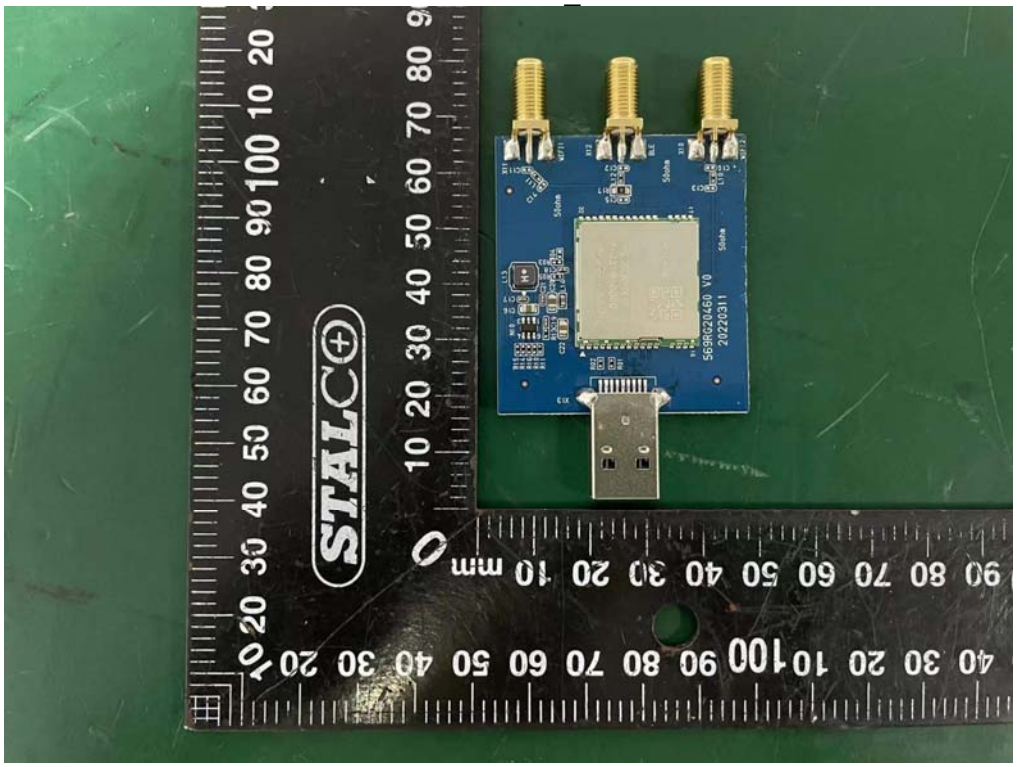

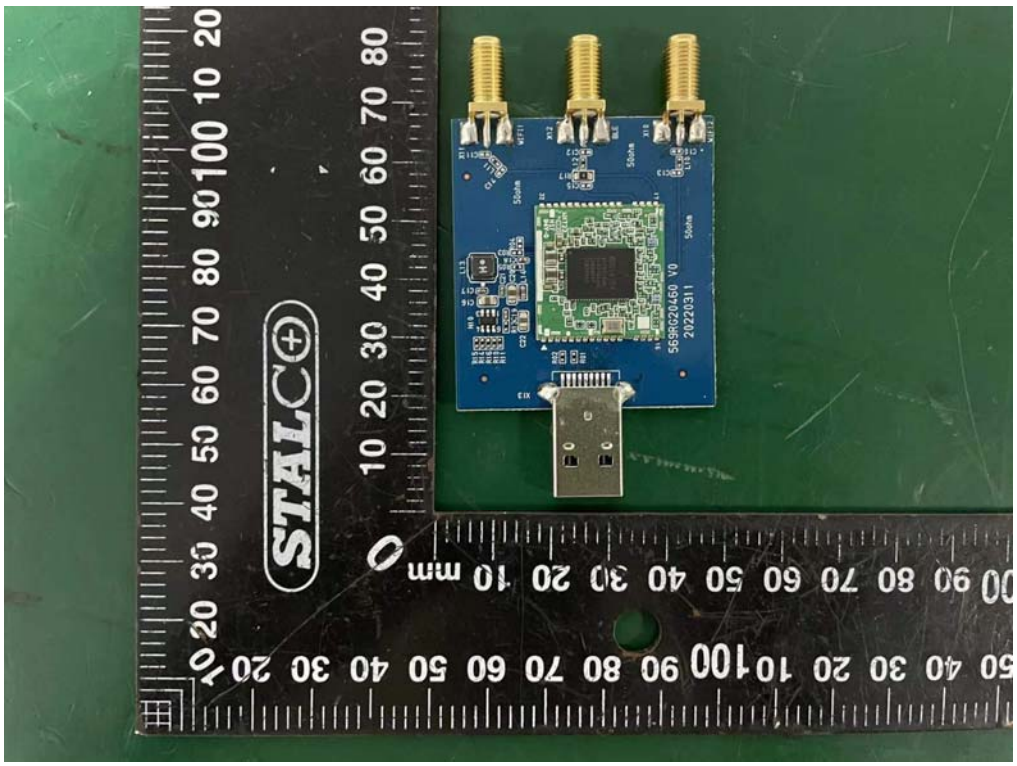

End of Test Report