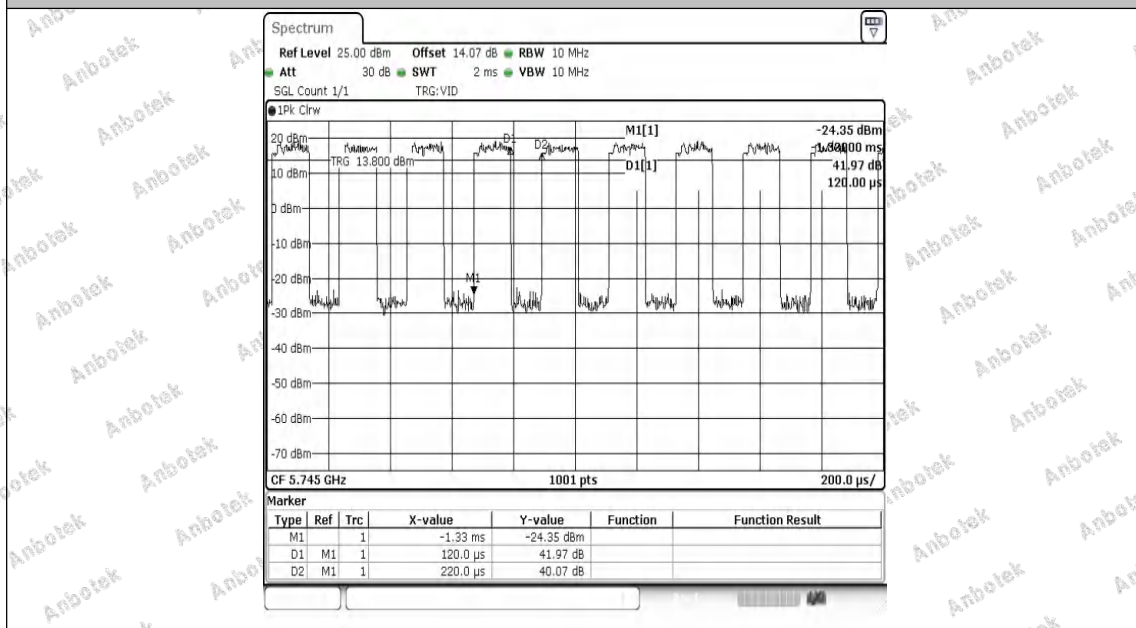
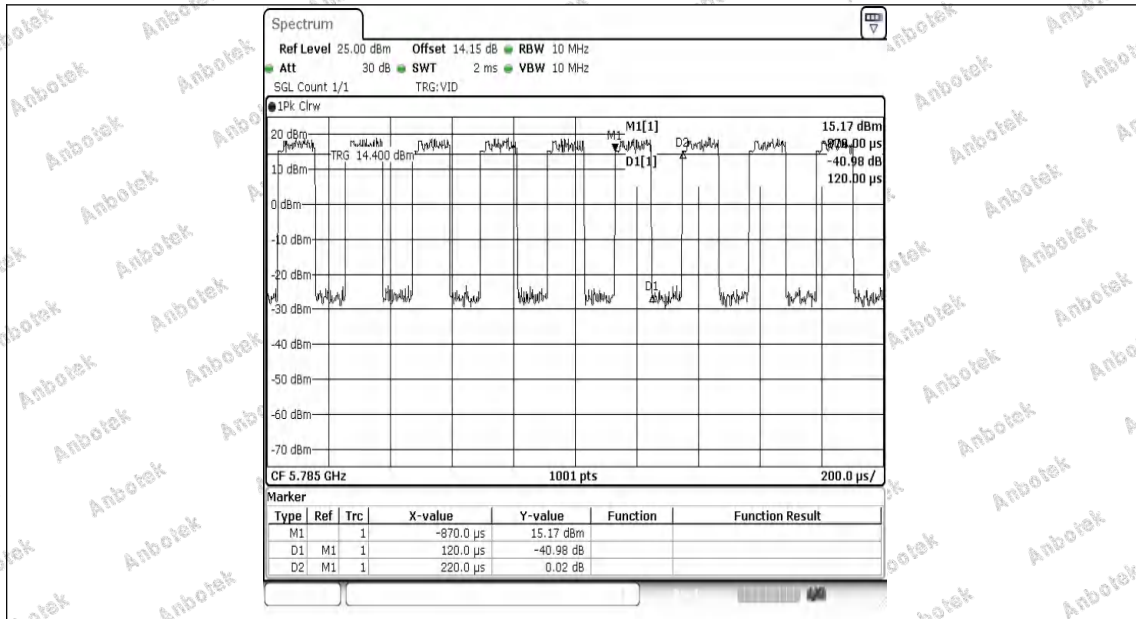


NTNV-11AX20MIMO-Ant1-5745

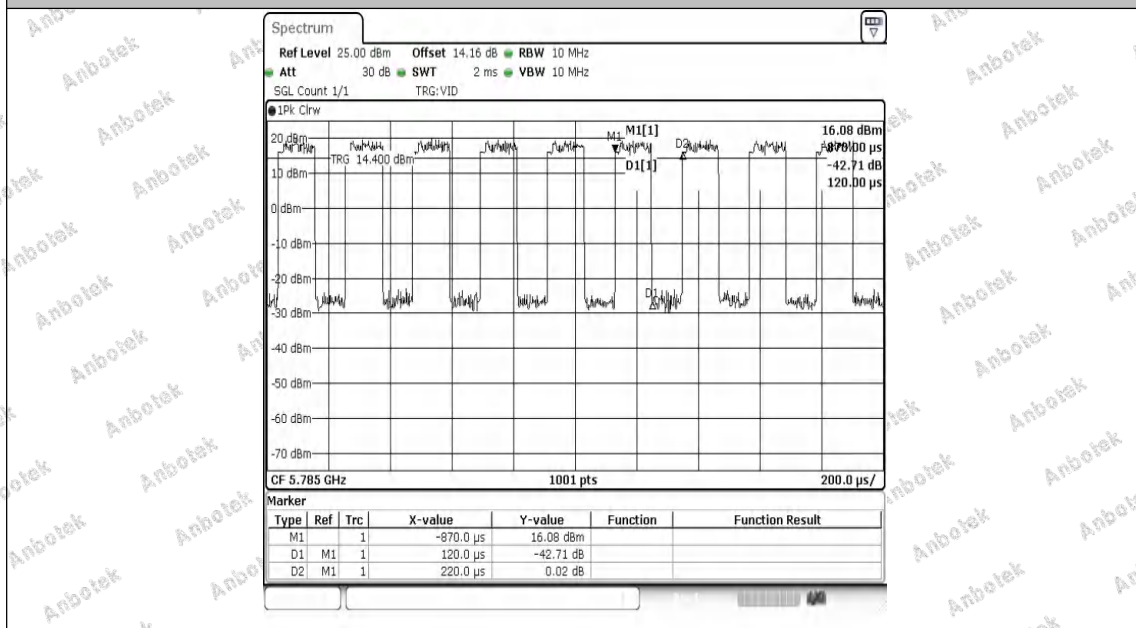


NTNV-11AX20MIMO-Ant2-5745



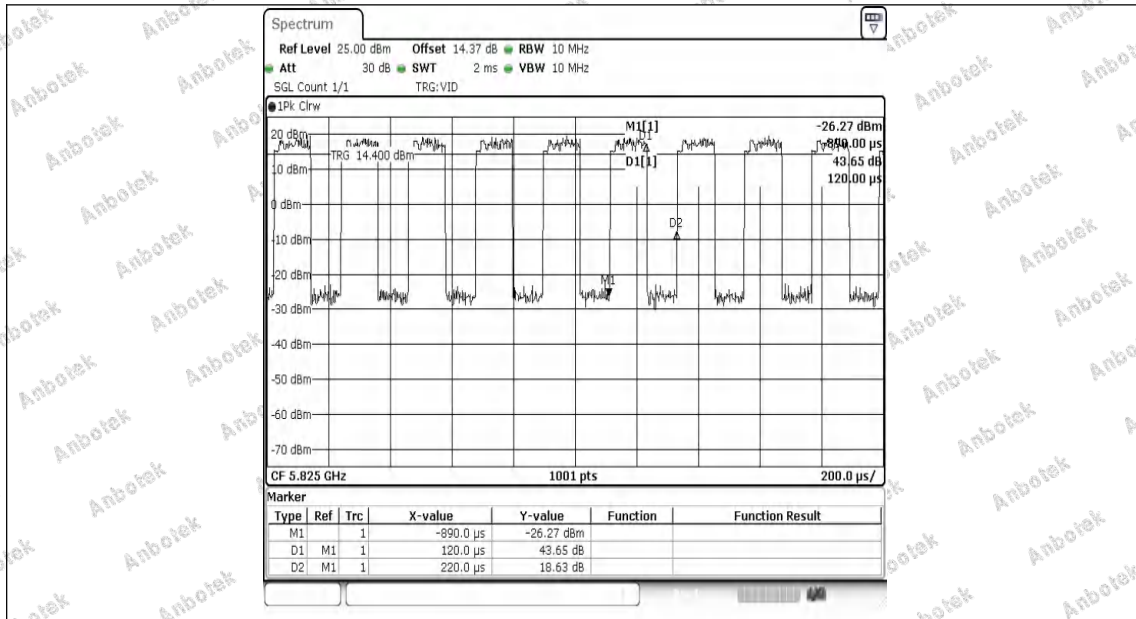


NTNV-11AX20MIMO-Ant1-5785

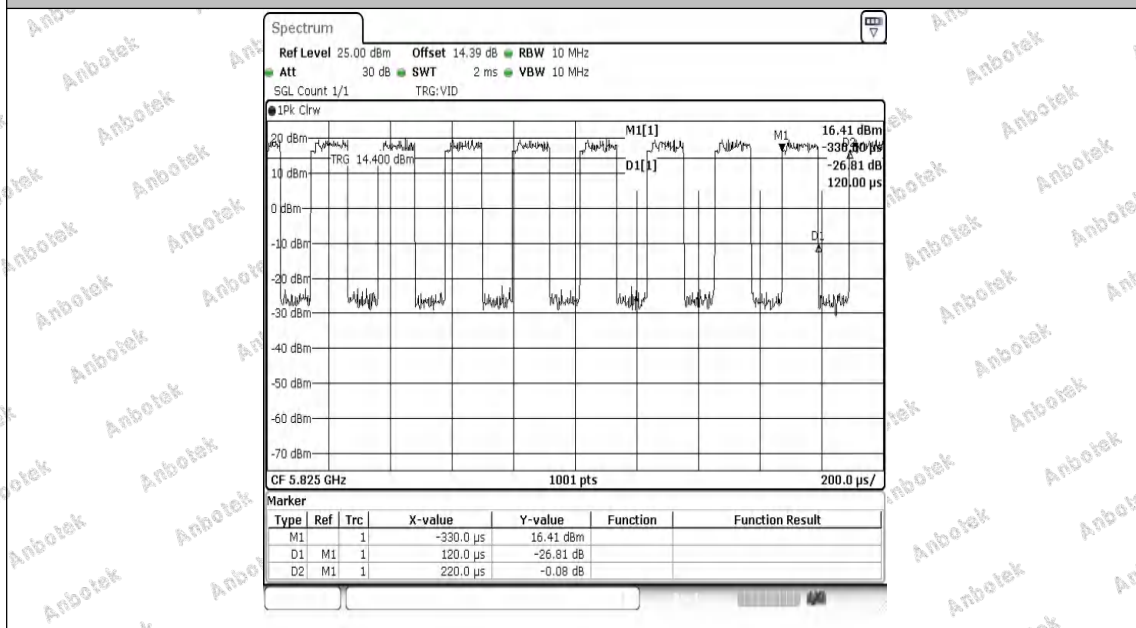


NTNV-11AX20MIMO-Ant2-5785





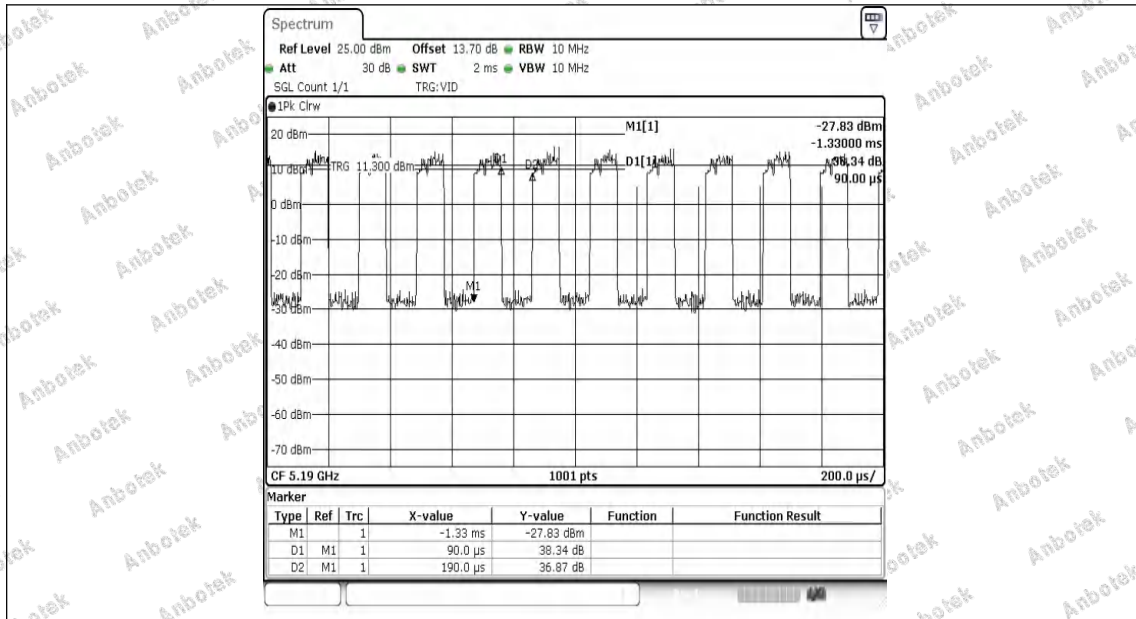
NTNV-11AX20MIMO-Ant1-5825



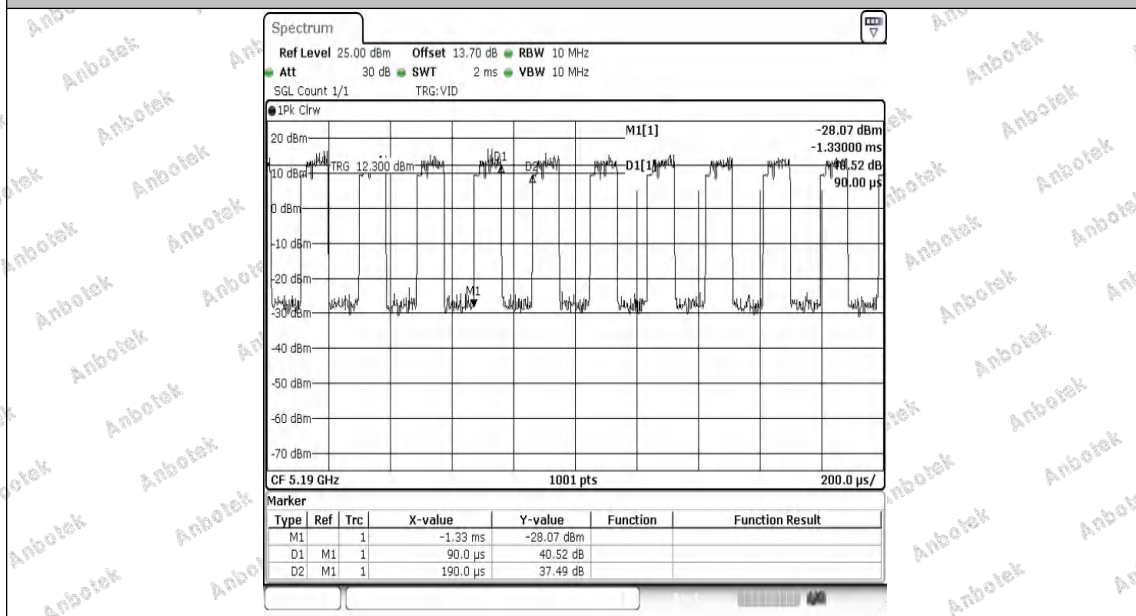
NTNV-11AX20MIMO-Ant2-5825





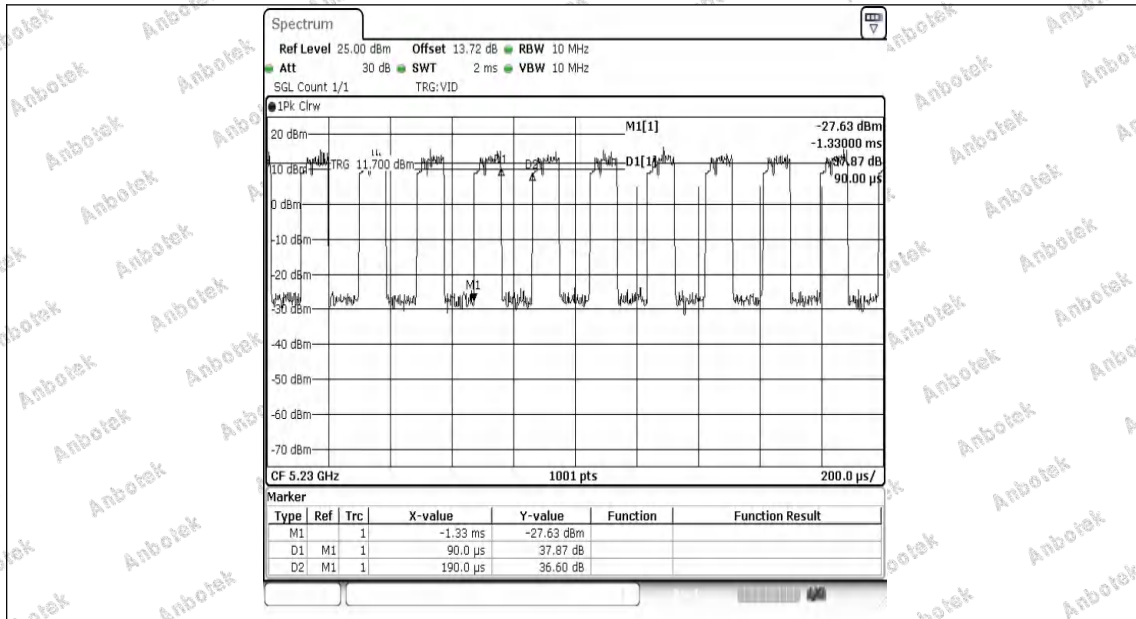


NTNV-11AX40MIMO-Ant1-5190

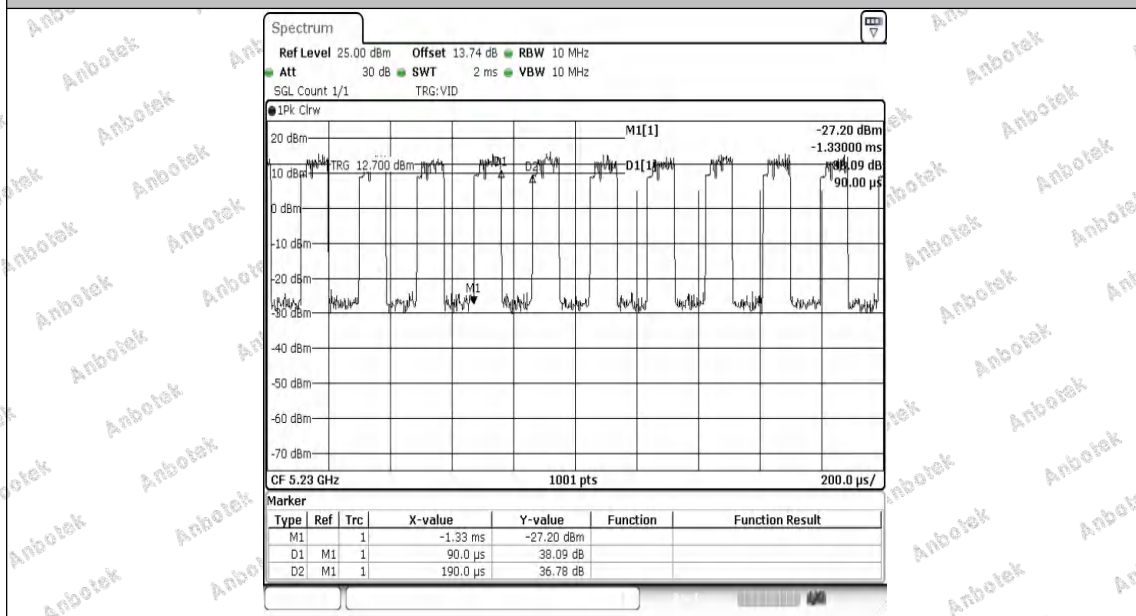


NTNV-11AX40MIMO-Ant2-5190



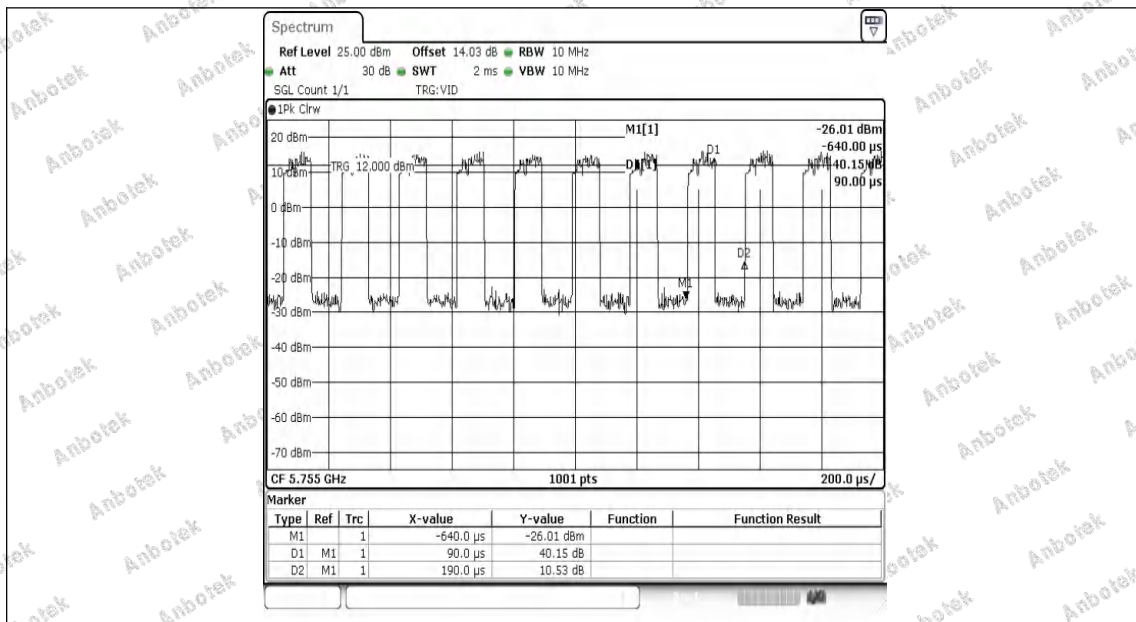


NTNV-11AX40MIMO-Ant1-5230

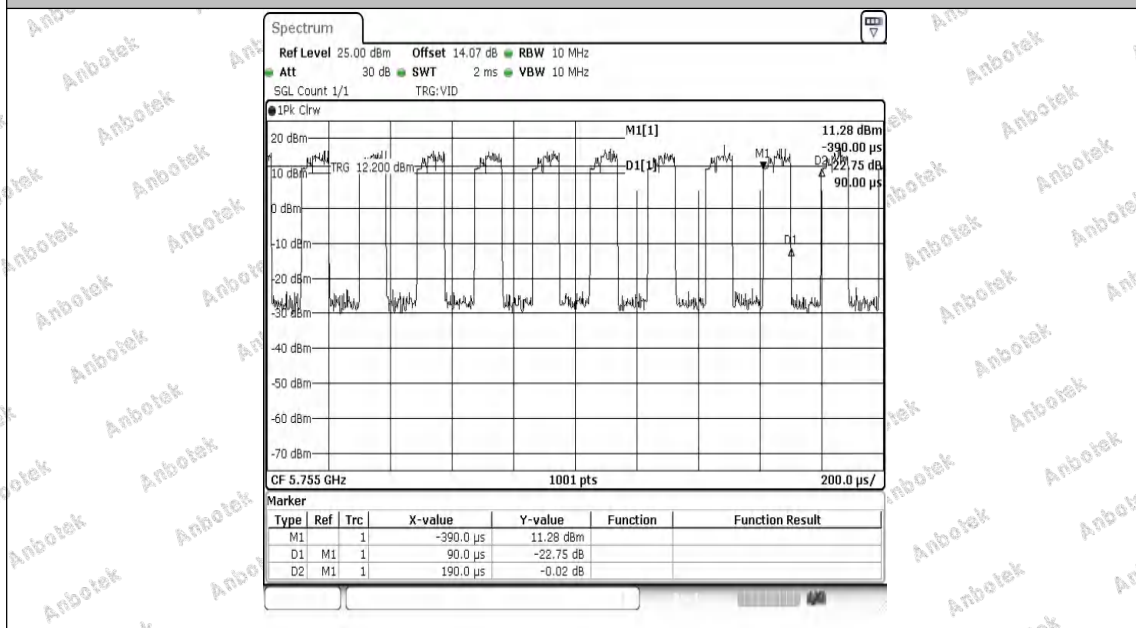


NTNV-11AX40MIMO-Ant2-5230





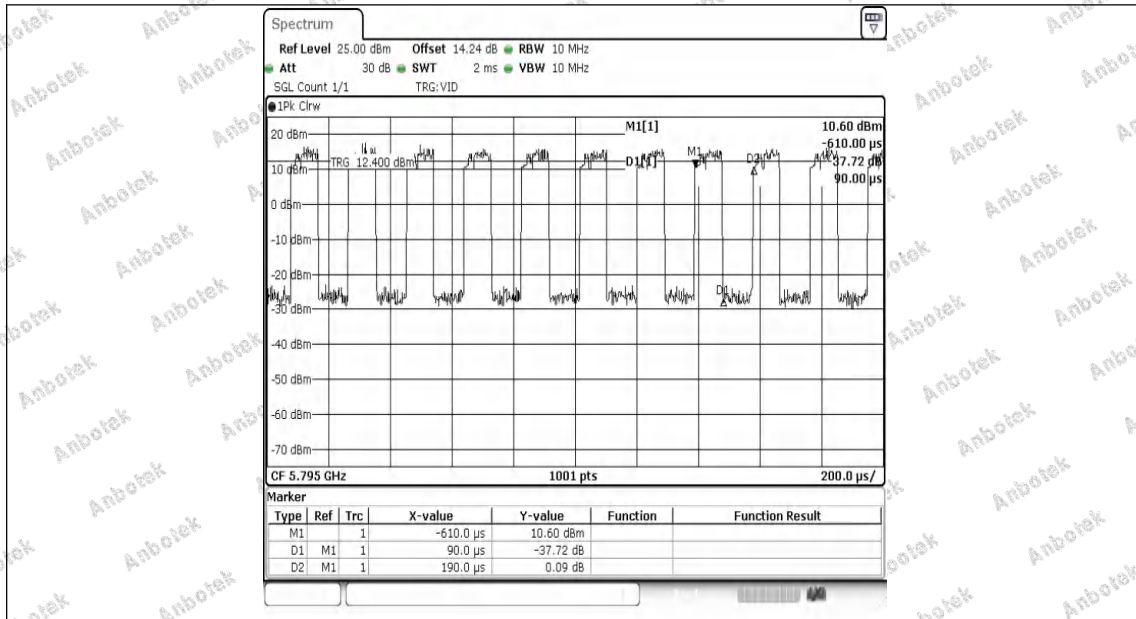
NTNV-11AX40MIMO-Ant1-5755



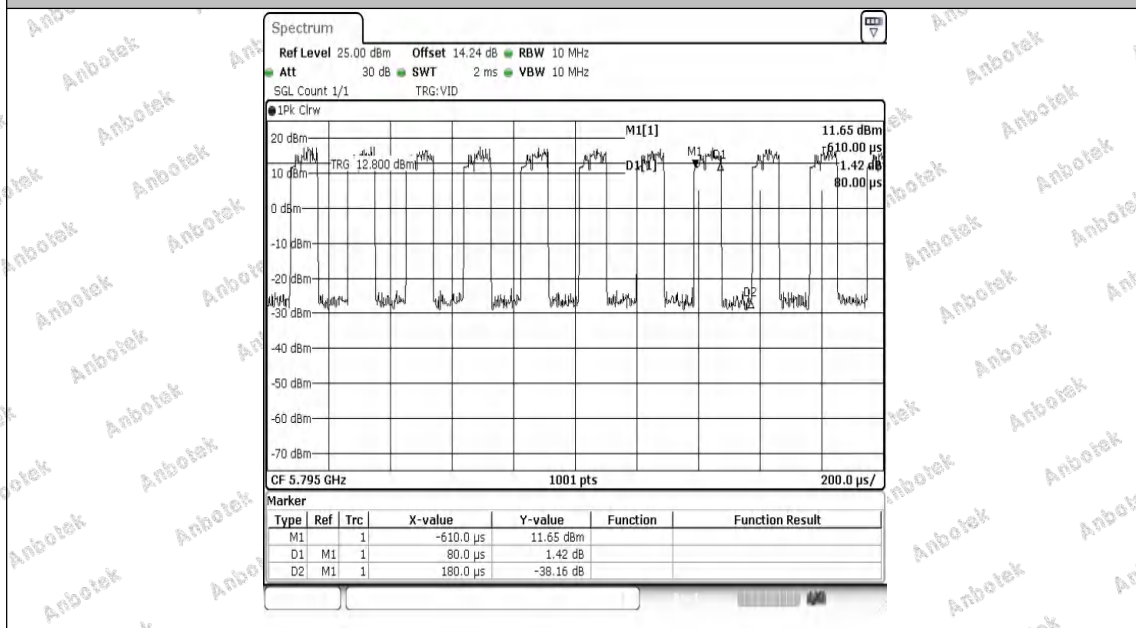
NTNV-11AX40MIMO-Ant2-5755





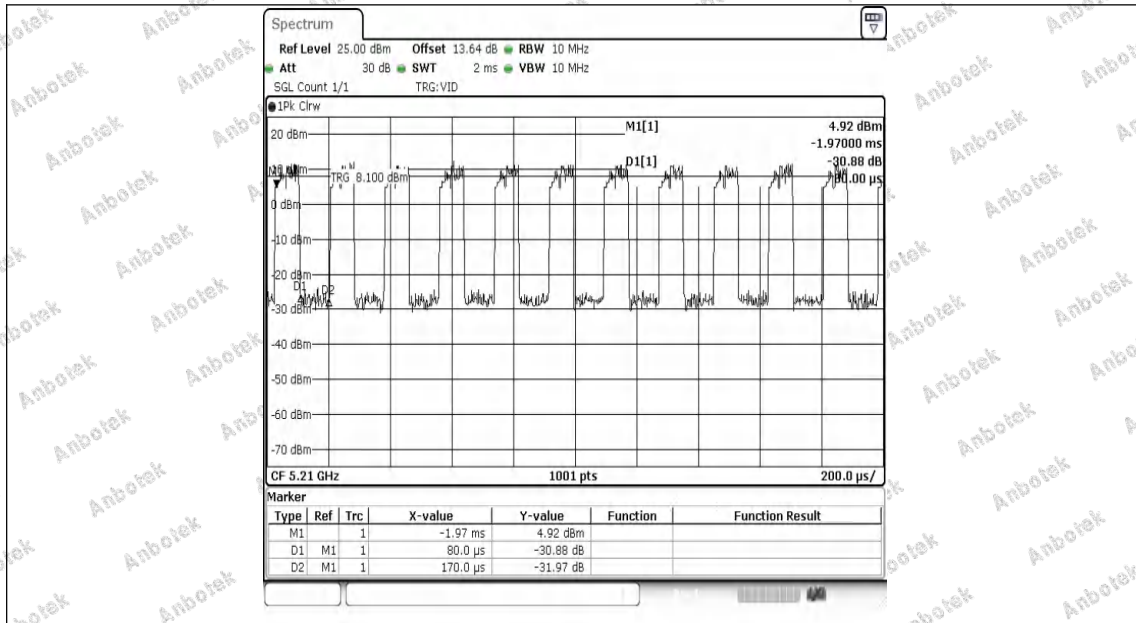


NTNV-11AX40MIMO-Ant1-5795

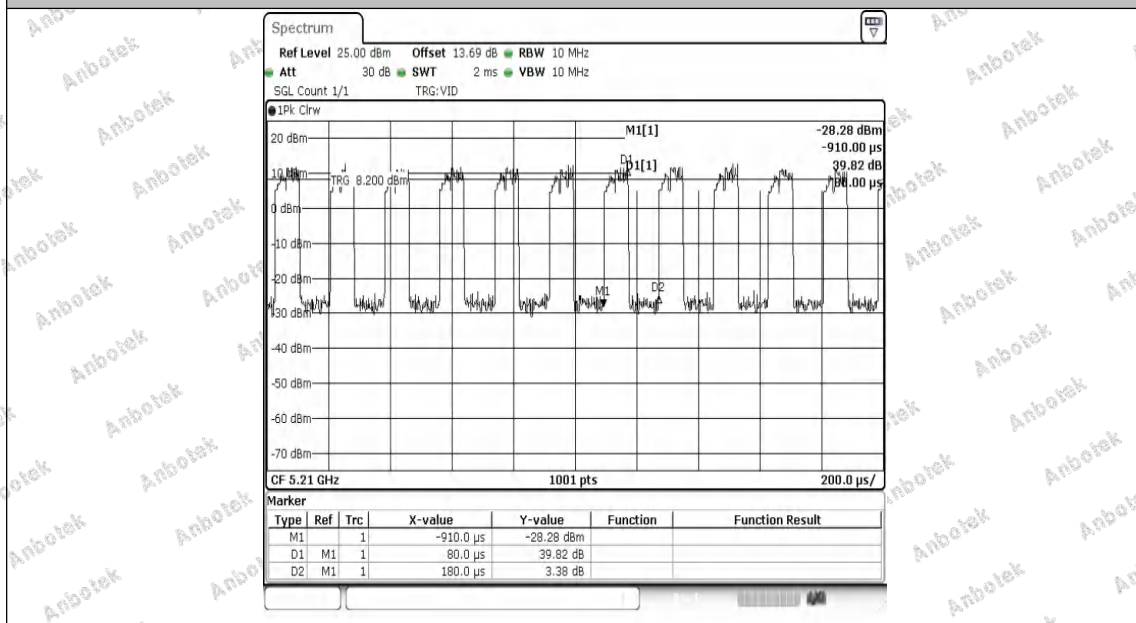


NTNV-11AX40MIMO-Ant2-5795





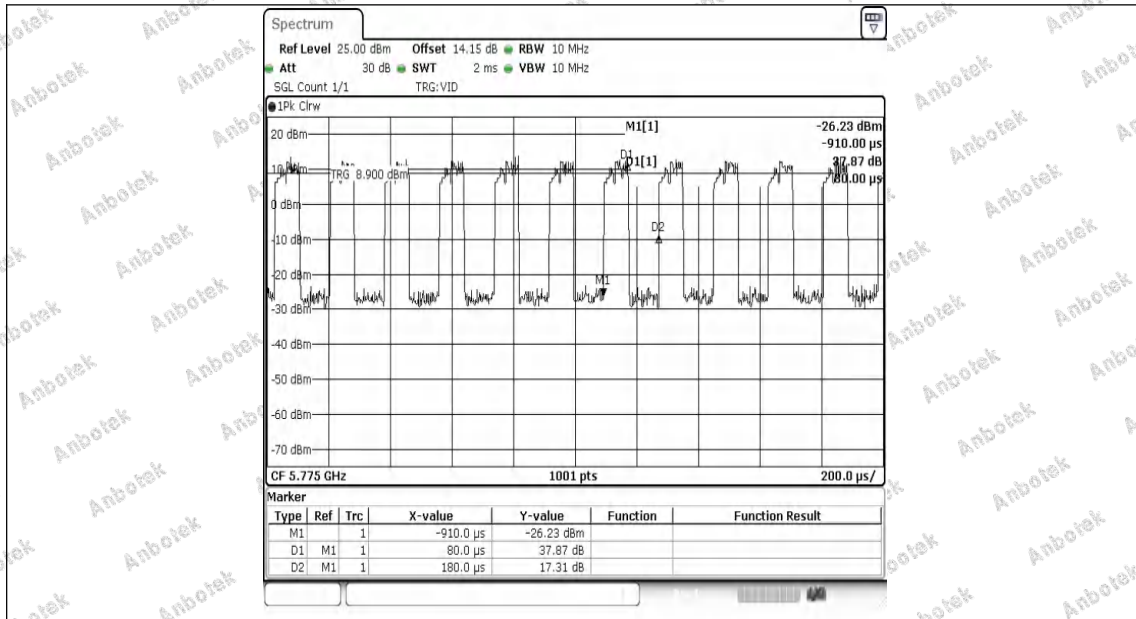
NTNV-11AX80MIMO-Ant1-5210



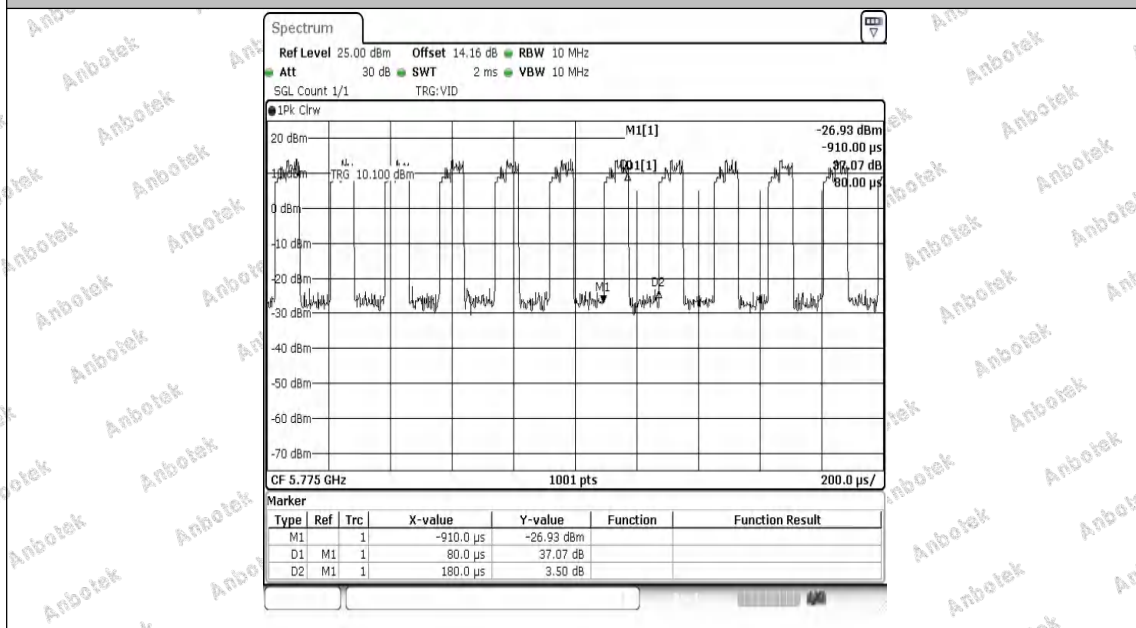
NTNV-11AX80MIMO-Ant2-5210







NTNV-11AX80MIMO-Ant1-5775



NTNV-11AX80MIMO-Ant2-5775



## Appendix C: Maximum conducted output power

### Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	12.01	62.96	2.01	14.02	≤23.98	PASS
11A	Ant2	5180	12.22	62.96	2.01	14.23	≤23.98	PASS
11A	Ant1	5200	12.28	64.29	1.92	14.20	≤23.98	PASS
11A	Ant2	5200	12.28	62.96	2.01	14.29	≤23.98	PASS
11A	Ant1	5240	11.89	62.96	2.01	13.90	≤23.98	PASS
11A	Ant2	5240	12.17	62.96	2.01	14.18	≤23.98	PASS
11A	Ant1	5745	13.05	64.29	1.92	14.97	≤30.00	PASS
11A	Ant2	5745	13.80	62.96	2.01	15.81	≤30.00	PASS
11A	Ant1	5785	13.76	64.29	1.92	15.68	≤30.00	PASS
11A	Ant2	5785	12.95	62.96	2.01	14.96	≤30.00	PASS
11A	Ant1	5825	13.89	64.29	1.92	15.81	≤30.00	PASS
11A	Ant2	5825	12.89	62.96	2.01	14.90	≤30.00	PASS
11N20MIMO	Ant1	5180	4.54	11.11	9.54	14.08	≤23.98	PASS
11N20MIMO	Ant2	5180	12.03	61.54	2.11	14.14	≤23.98	PASS
11N20MIMO	total	5180	---	---	---	17.04	≤23.98	PASS
11N20MIMO	Ant1	5200	4.71	11.11	9.54	14.25	≤23.98	PASS
11N20MIMO	Ant2	5200	12.39	61.54	2.11	14.50	≤23.98	PASS
11N20MIMO	total	5200	---	---	---	17.39	≤23.98	PASS
11N20MIMO	Ant1	5240	4.52	11.54	9.38	13.90	≤23.98	PASS
11N20MIMO	Ant2	5240	11.92	62.96	2.01	13.93	≤23.98	PASS
11N20MIMO	total	5240	---	---	---	16.93	≤23.98	PASS
11N20MIMO	Ant1	5745	5.60	11.54	9.38	14.98	≤30.00	PASS
11N20MIMO	Ant2	5745	13.80	61.54	2.11	15.91	≤30.00	PASS
11N20MIMO	total	5745	---	---	---	18.48	≤30.00	PASS
11N20MIMO	Ant1	5785	5.85	11.11	9.54	15.39	≤30.00	PASS
11N20MIMO	Ant2	5785	14.03	61.54	2.11	16.14	≤30.00	PASS
11N20MIMO	total	5785	---	---	---	18.79	≤30.00	PASS
11N20MIMO	Ant1	5825	6.28	11.54	9.38	15.66	≤30.00	PASS
11N20MIMO	Ant2	5825	14.15	61.54	2.11	16.26	≤30.00	PASS
11N20MIMO	total	5825	---	---	---	18.98	≤30.00	PASS
11N40MIMO	Ant1	5190	9.85	50.00	3.01	12.86	≤23.98	PASS
11N40MIMO	Ant2	5190	9.69	50.00	3.01	12.70	≤23.98	PASS
11N40MIMO	total	5190	---	---	---	15.79	≤23.98	PASS
11N40MIMO	Ant1	5230	4.07	50.00	3.01	7.08	≤23.98	PASS
11N40MIMO	Ant2	5230	9.74	50.00	3.01	12.75	≤23.98	PASS





11N40MIMO	total	5230	---	---	---	13.79	≤23.98	PASS
11N40MIMO	Ant1	5755	10.54	50.00	3.01	13.55	≤30.00	PASS
11N40MIMO	Ant2	5755	11.47	50.00	3.01	14.48	≤30.00	PASS
11N40MIMO	total	5755	---	---	---	17.05	≤30.00	PASS
11N40MIMO	Ant1	5795	11.28	50.00	3.01	14.29	≤30.00	PASS
11N40MIMO	Ant2	5795	11.71	50.00	3.01	14.72	≤30.00	PASS
11N40MIMO	total	5795	---	---	---	17.52	≤30.00	PASS
11AC20MIMO	Ant1	5180	5.03	12.00	9.21	14.24	≤23.98	PASS
11AC20MIMO	Ant2	5180	13.26	60.00	2.22	15.48	≤23.98	PASS
11AC20MIMO	total	5180	---	---	---	17.91	≤23.98	PASS
11AC20MIMO	Ant1	5200	3.13	12.00	9.21	12.34	≤23.98	PASS
11AC20MIMO	Ant2	5200	11.86	60.00	2.22	14.08	≤23.98	PASS
11AC20MIMO	total	5200	---	---	---	16.31	≤23.98	PASS
11AC20MIMO	Ant1	5240	3.46	12.00	9.21	12.67	≤23.98	PASS
11AC20MIMO	Ant2	5240	11.63	60.00	2.22	13.85	≤23.98	PASS
11AC20MIMO	total	5240	---	---	---	16.31	≤23.98	PASS
11AC20MIMO	Ant1	5745	5.29	12.00	9.21	14.50	≤30.00	PASS
11AC20MIMO	Ant2	5745	13.68	60.00	2.22	15.90	≤30.00	PASS
11AC20MIMO	total	5745	---	---	---	18.27	≤30.00	PASS
11AC20MIMO	Ant1	5785	6.17	12.00	9.21	15.38	≤30.00	PASS
11AC20MIMO	Ant2	5785	14.07	60.00	2.22	16.29	≤30.00	PASS
11AC20MIMO	total	5785	---	---	---	18.87	≤30.00	PASS
11AC20MIMO	Ant1	5825	6.29	12.00	9.21	15.50	≤30.00	PASS
11AC20MIMO	Ant2	5825	14.00	60.00	2.22	16.22	≤30.00	PASS
11AC20MIMO	total	5825	---	---	---	18.89	≤30.00	PASS
11AC40MIMO	Ant1	5190	9.34	44.44	3.52	12.86	≤23.98	PASS
11AC40MIMO	Ant2	5190	9.46	44.44	3.52	12.98	≤23.98	PASS
11AC40MIMO	total	5190	---	---	---	15.93	≤23.98	PASS
11AC40MIMO	Ant1	5230	9.27	47.37	3.24	12.51	≤23.98	PASS
11AC40MIMO	Ant2	5230	9.30	44.44	3.52	12.82	≤23.98	PASS
11AC40MIMO	total	5230	---	---	---	15.68	≤23.98	PASS
11AC40MIMO	Ant1	5755	10.39	50.00	3.01	13.40	≤30.00	PASS
11AC40MIMO	Ant2	5755	11.21	47.37	3.24	14.45	≤30.00	PASS
11AC40MIMO	total	5755	---	---	---	16.97	≤30.00	PASS
11AC40MIMO	Ant1	5795	11.22	44.44	3.52	14.74	≤30.00	PASS
11AC40MIMO	Ant2	5795	11.70	47.37	3.24	14.94	≤30.00	PASS
11AC40MIMO	total	5795	---	---	---	17.85	≤30.00	PASS
11AC80MIMO	Ant1	5210	8.26	37.50	4.26	12.52	≤23.98	PASS
11AC80MIMO	Ant2	5210	8.72	37.50	4.26	12.98	≤23.98	PASS
11AC80MIMO	total	5210	---	---	---	15.77	≤23.98	PASS
11AC80MIMO	Ant1	5775	9.97	41.18	3.85	13.82	≤30.00	PASS
11AC80MIMO	Ant2	5775	10.72	41.18	3.85	14.57	≤30.00	PASS

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400-003-0500

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11AC80MIMO	total	5775	---	---	---	17.22	≤30.00	PASS
11AX20MIMO	Ant1	5180	10.83	54.55	2.63	13.46	≤23.98	PASS
11AX20MIMO	Ant2	5180	10.76	54.55	2.63	13.39	≤23.98	PASS
11AX20MIMO	total	5180	---	---	---	16.44	≤23.98	PASS
11AX20MIMO	Ant1	5200	10.54	54.55	2.63	13.17	≤23.98	PASS
11AX20MIMO	Ant2	5200	10.36	54.55	2.63	12.99	≤23.98	PASS
11AX20MIMO	total	5200	---	---	---	16.09	≤23.98	PASS
11AX20MIMO	Ant1	5240	10.64	54.55	2.63	13.27	≤23.98	PASS
11AX20MIMO	Ant2	5240	10.55	54.55	2.63	13.18	≤23.98	PASS
11AX20MIMO	total	5240	---	---	---	16.24	≤23.98	PASS
11AX20MIMO	Ant1	5745	11.24	54.55	2.63	13.87	≤30.00	PASS
11AX20MIMO	Ant2	5745	12.29	54.55	2.63	14.92	≤30.00	PASS
11AX20MIMO	total	5745	---	---	---	17.44	≤30.00	PASS
11AX20MIMO	Ant1	5785	11.80	54.55	2.63	14.43	≤30.00	PASS
11AX20MIMO	Ant2	5785	12.60	54.55	2.63	15.23	≤30.00	PASS
11AX20MIMO	total	5785	---	---	---	17.86	≤30.00	PASS
11AX20MIMO	Ant1	5825	11.91	54.55	2.63	14.54	≤30.00	PASS
11AX20MIMO	Ant2	5825	12.76	54.55	2.63	15.39	≤30.00	PASS
11AX20MIMO	total	5825	---	---	---	18.00	≤30.00	PASS
11AX40MIMO	Ant1	5190	9.32	47.37	3.24	12.56	≤23.98	PASS
11AX40MIMO	Ant2	5190	9.43	47.37	3.24	12.67	≤23.98	PASS
11AX40MIMO	total	5190	---	---	---	15.63	≤23.98	PASS
11AX40MIMO	Ant1	5230	9.26	47.37	3.24	12.50	≤23.98	PASS
11AX40MIMO	Ant2	5230	9.38	47.37	3.24	12.62	≤23.98	PASS
11AX40MIMO	total	5230	---	---	---	15.57	≤23.98	PASS
11AX40MIMO	Ant1	5755	10.32	47.37	3.24	13.56	≤30.00	PASS
11AX40MIMO	Ant2	5755	11.33	47.37	3.24	14.57	≤30.00	PASS
11AX40MIMO	total	5755	---	---	---	17.10	≤30.00	PASS
11AX40MIMO	Ant1	5795	10.87	47.37	3.24	14.11	≤30.00	PASS
11AX40MIMO	Ant2	5795	11.51	44.44	3.52	15.03	≤30.00	PASS
11AX40MIMO	total	5795	---	---	---	17.60	≤30.00	PASS
11AX80MIMO	Ant1	5210	8.85	47.06	3.27	12.12	≤23.98	PASS
11AX80MIMO	Ant2	5210	9.04	44.44	3.52	12.56	≤23.98	PASS
11AX80MIMO	total	5210	---	---	---	15.36	≤23.98	PASS
11AX80MIMO	Ant1	5775	10.07	44.44	3.52	13.59	≤30.00	PASS
11AX80MIMO	Ant2	5775	11.19	44.44	3.52	14.71	≤30.00	PASS
11AX80MIMO	total	5775	---	---	---	17.20	≤30.00	PASS

Note: 1. The cable loss is compensated in the graph.

2. For B1:

As Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20}) 2 / N_{ANT}]$  dBi = 5.19 < 6dBi, so limit=23.98dBm.

As Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20}) 2 / N_{ANT}]$  dBi = 5.53 < 6dBi, so limit=30dBm.

3. NOTE: MIMO =  $10 * \text{LOG}((10^{ANT1/10}) + 10^{(ANT2/10)})$

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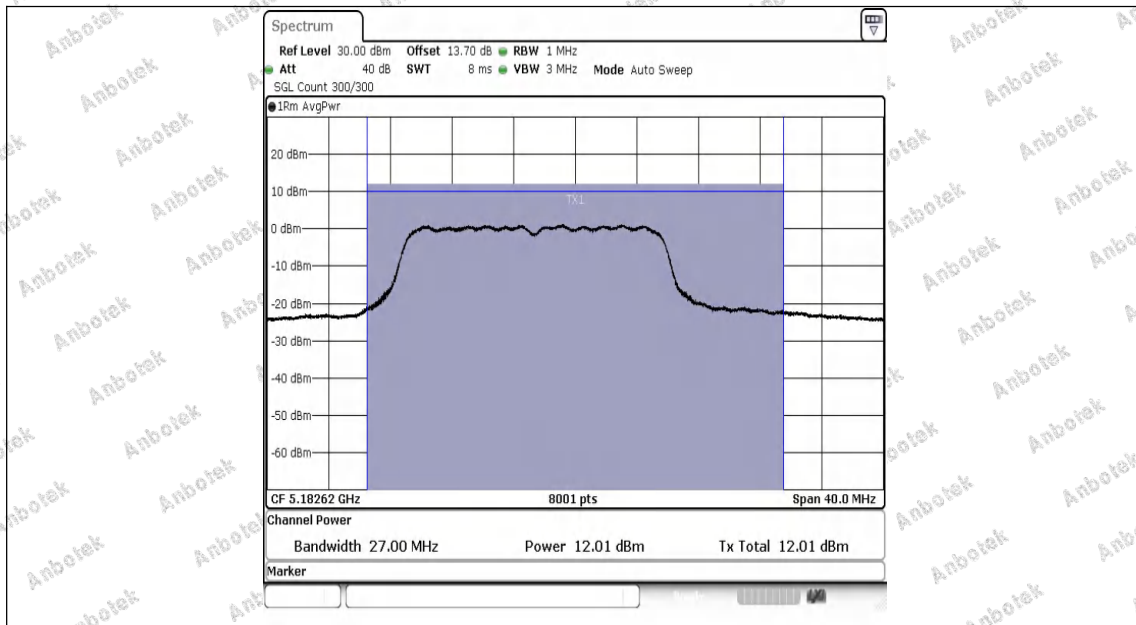
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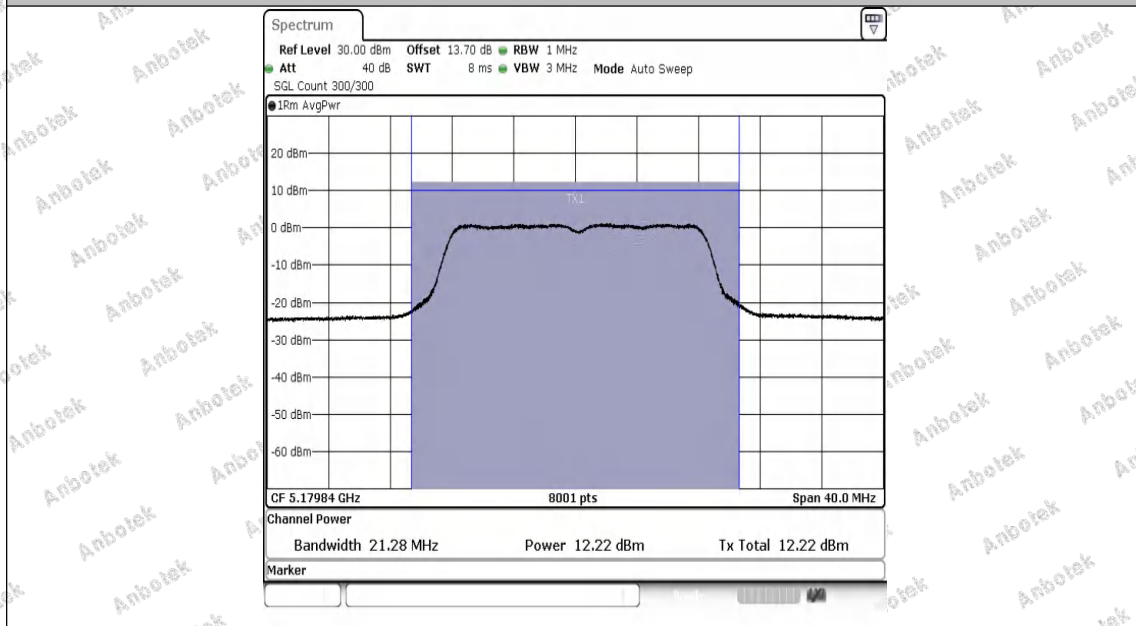
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## Test Graphs Channel Power

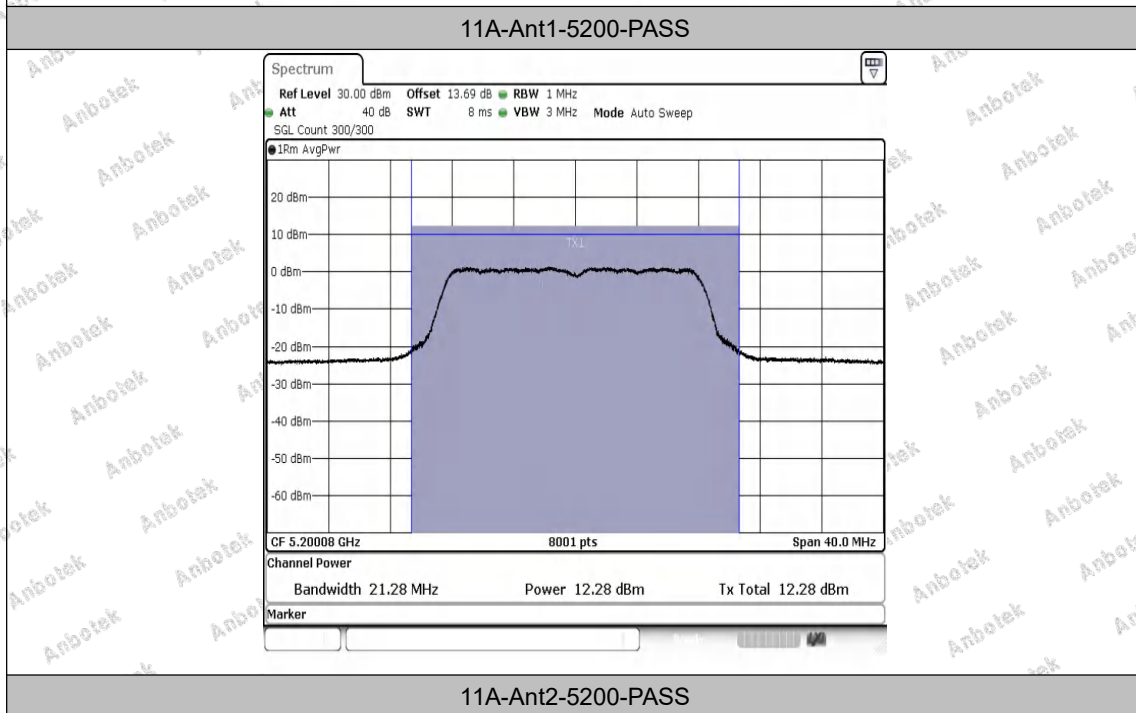
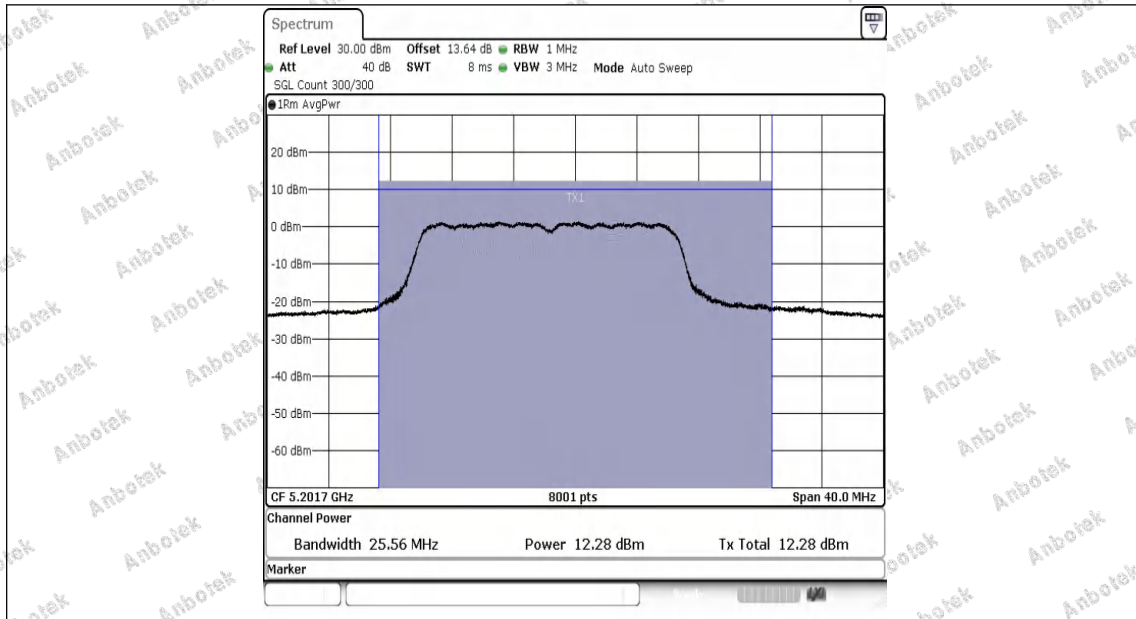


11A-Ant1-5180-PASS

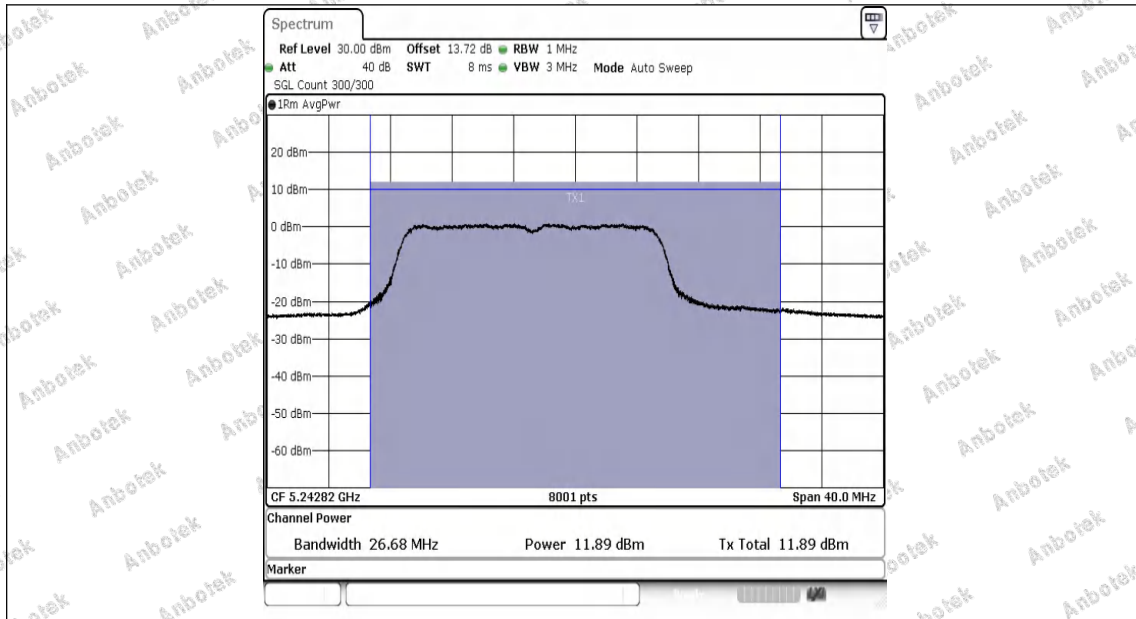


11A-Ant2-5180-PASS

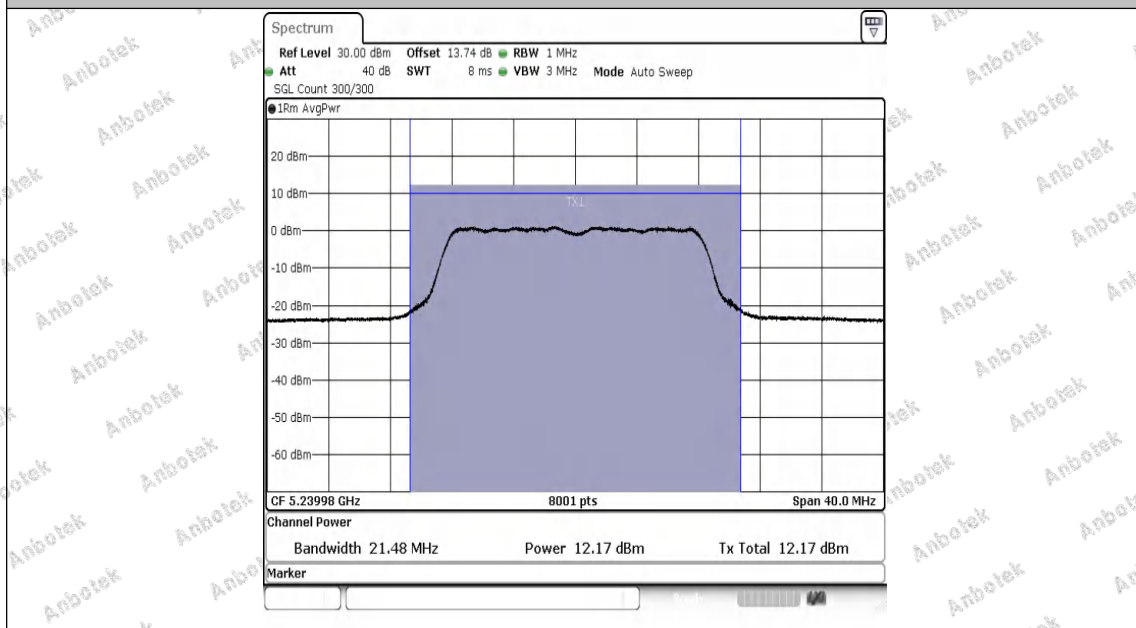






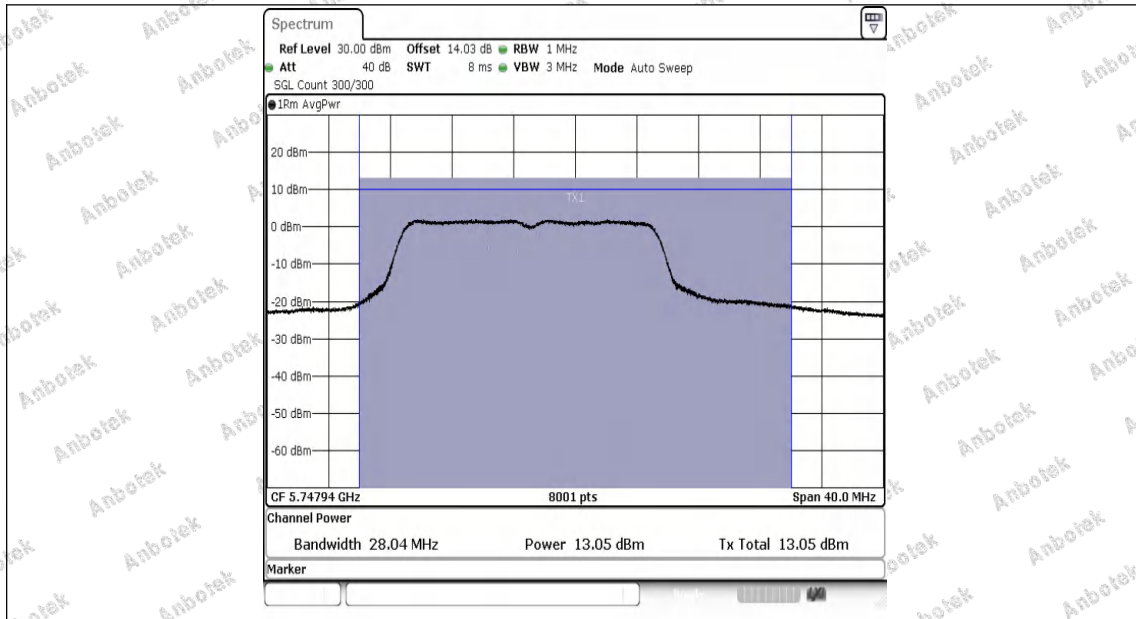


11A-Ant1-5240-PASS

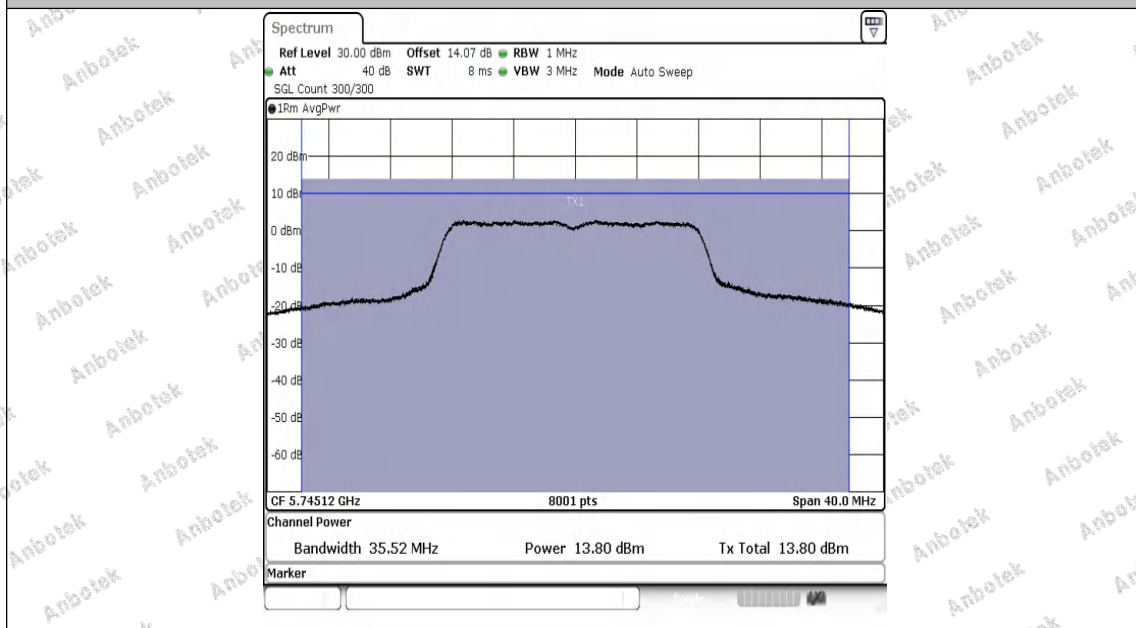


11A-Ant2-5240-PASS



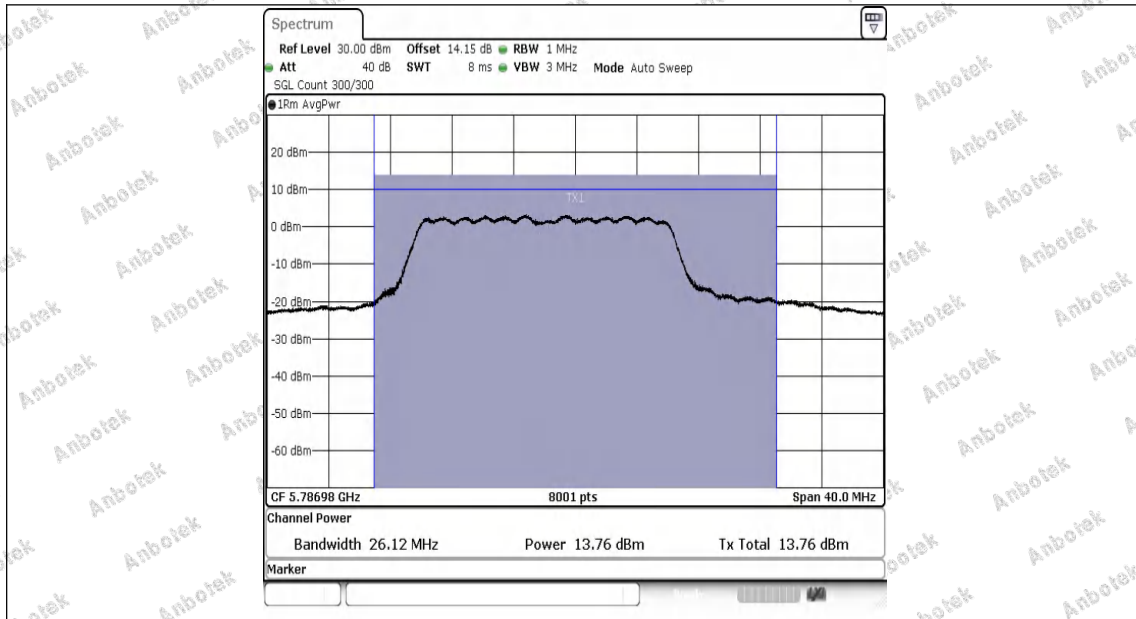


11A-Ant1-5745-PASS

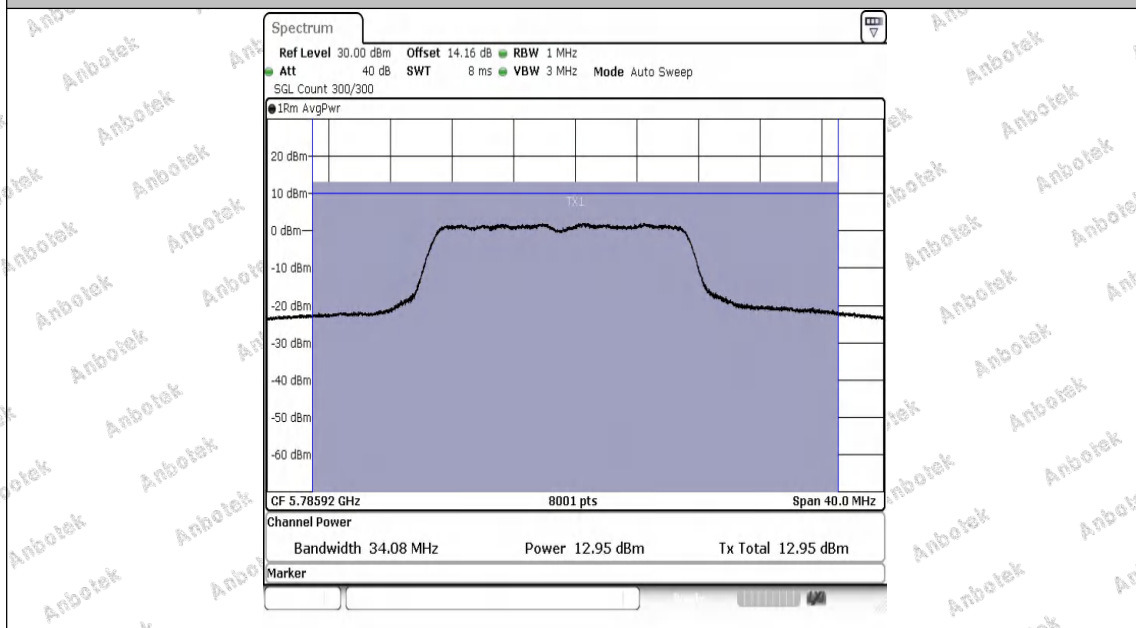


11A-Ant2-5745-PASS





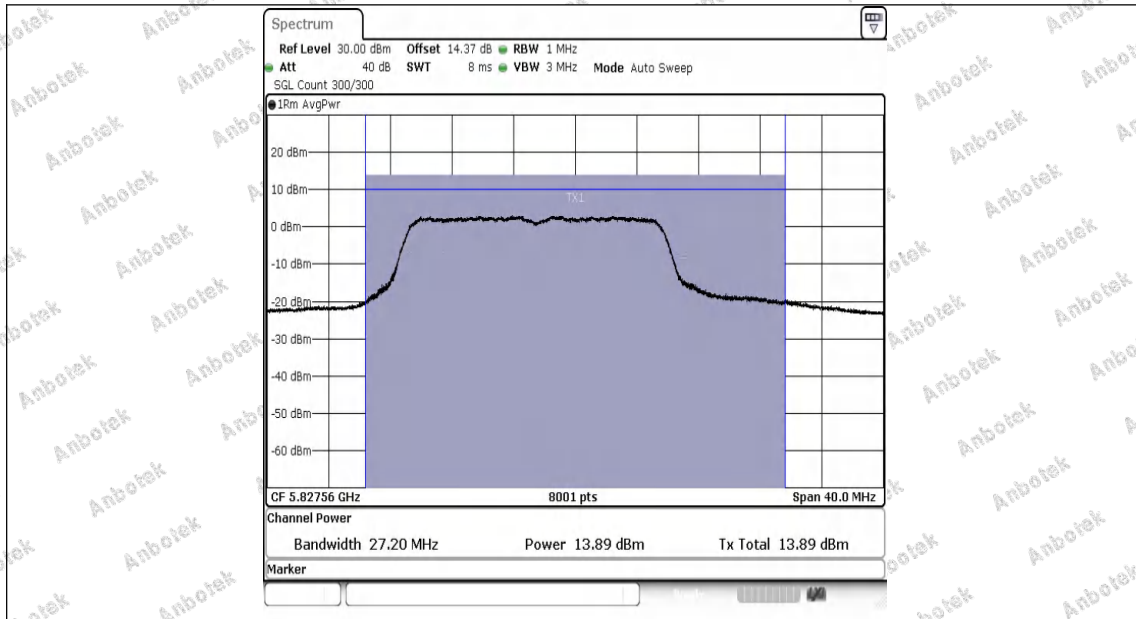
11A-Ant1-5785-PASS



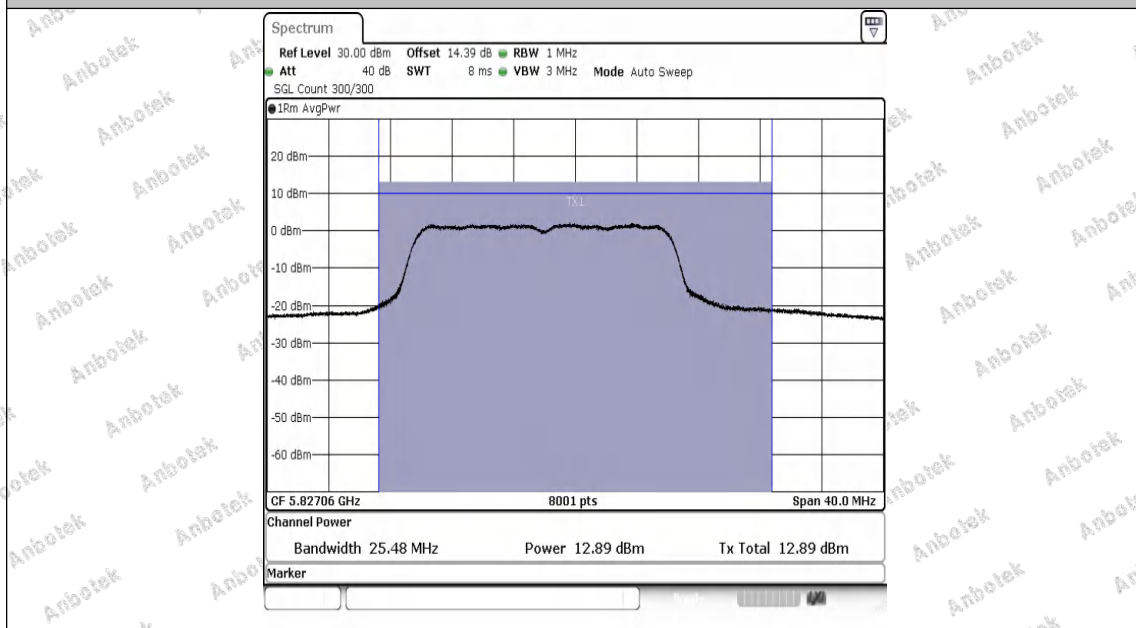
11A-Ant2-5785-PASS





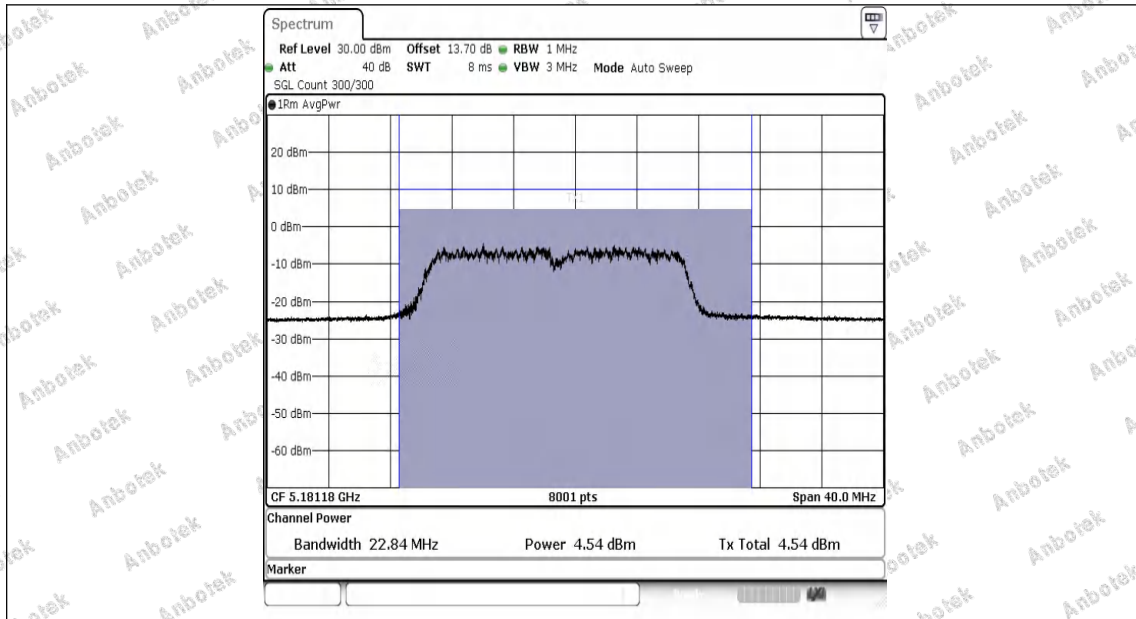


11A-Ant1-5825-PASS

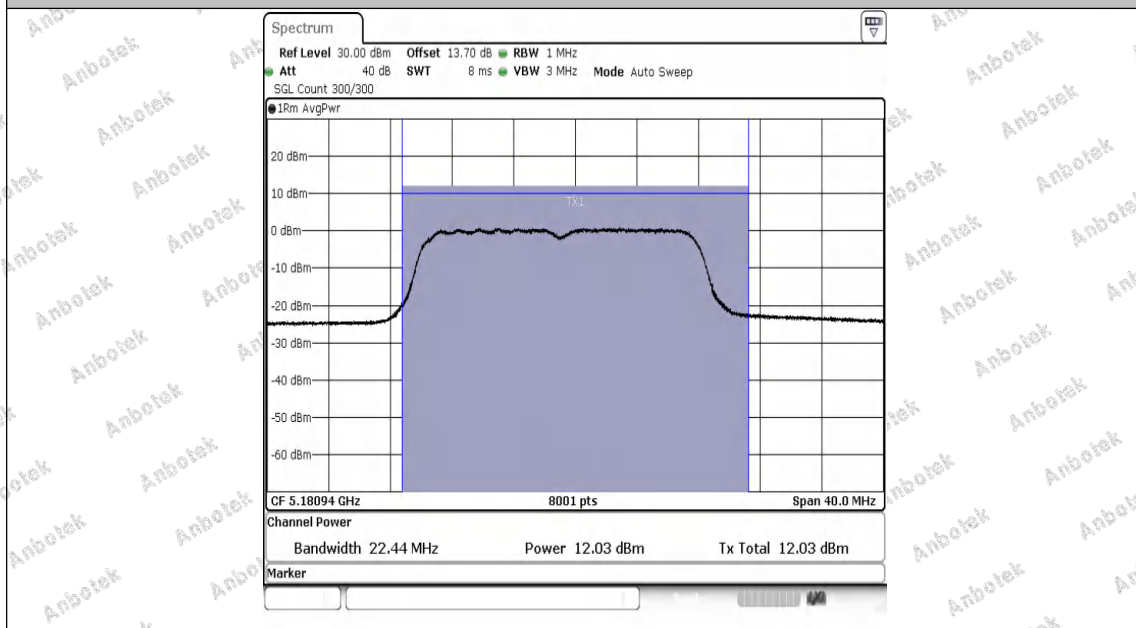


11A-Ant2-5825-PASS



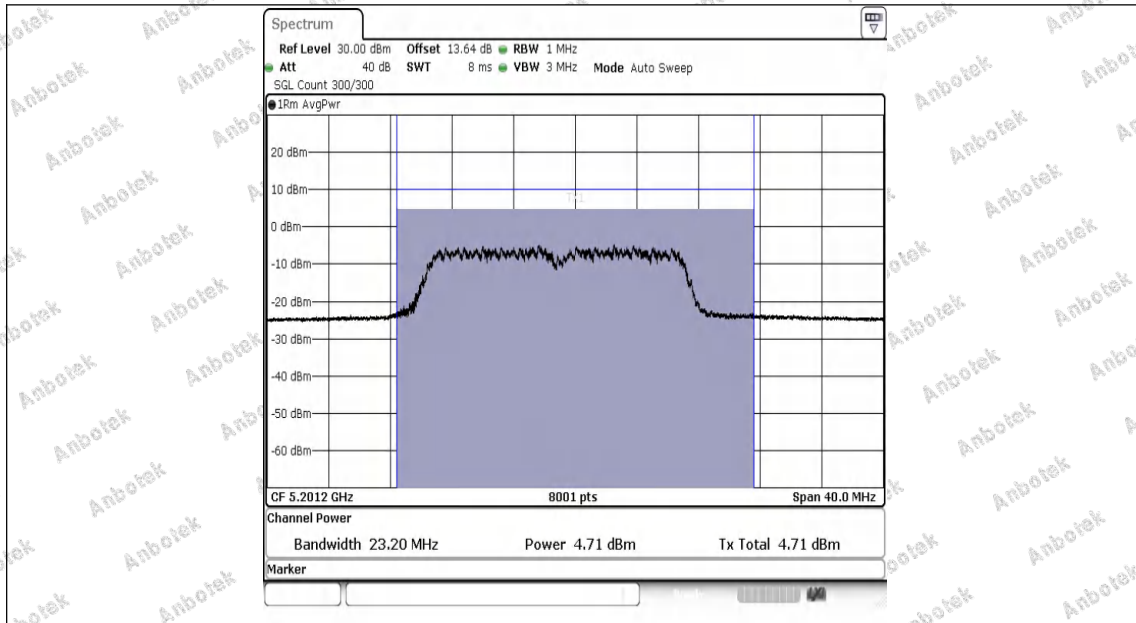


### 11N20MIMO-Ant1-5180-PASS

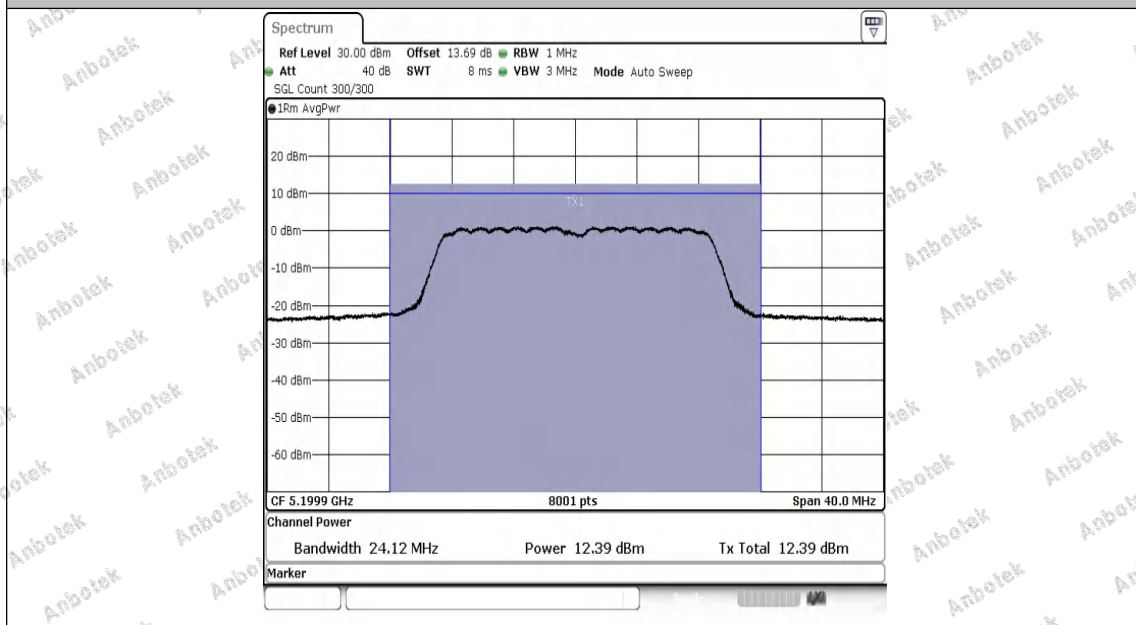


### 11N20MIMO-Ant2-5180-PASS





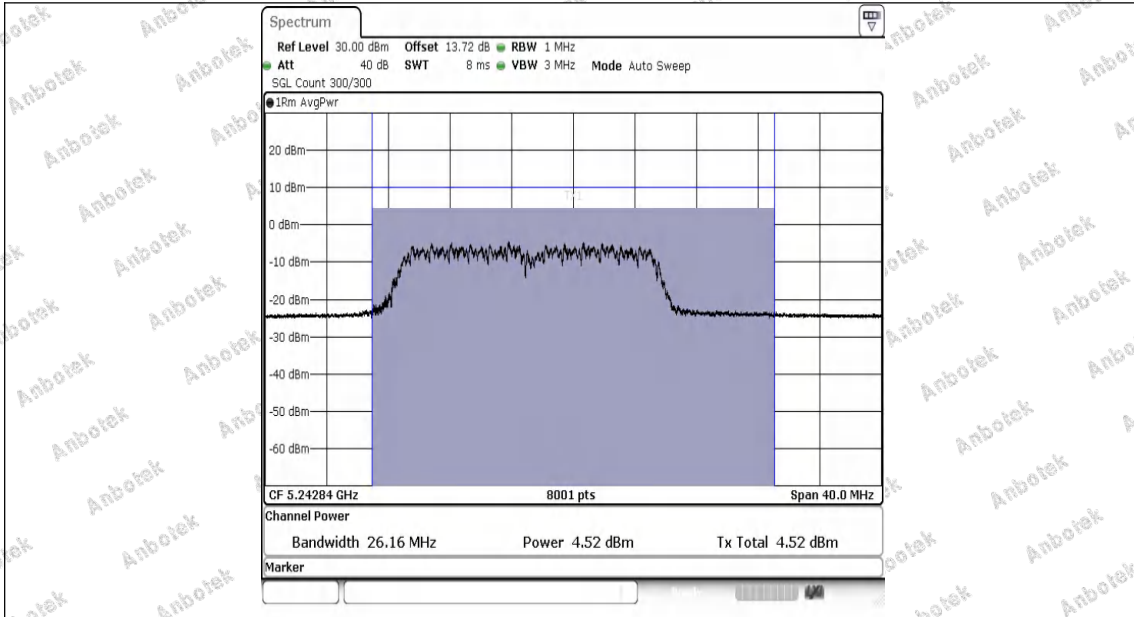
11N20MIMO-Ant1-5200-PASS



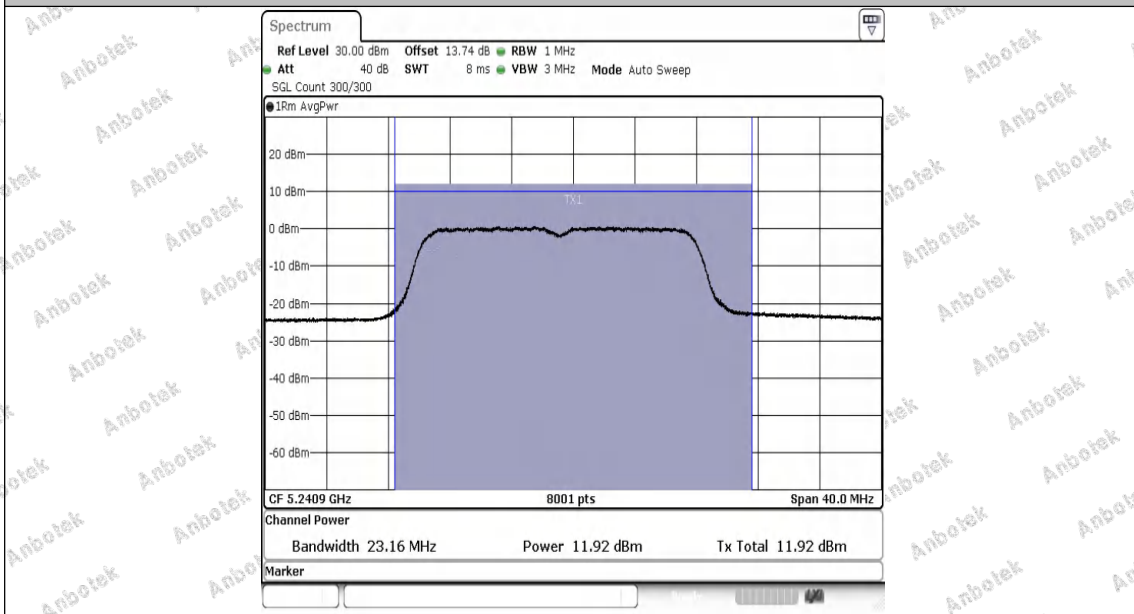
11N20MIMO-Ant2-5200-PASS





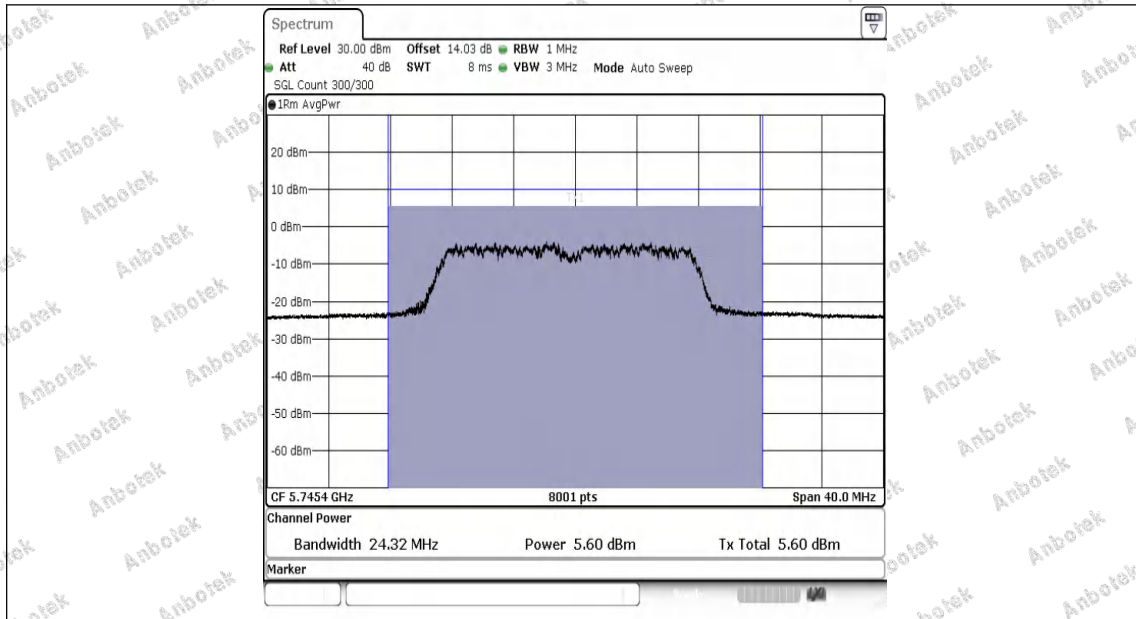


11N20MIMO-Ant1-5240-PASS

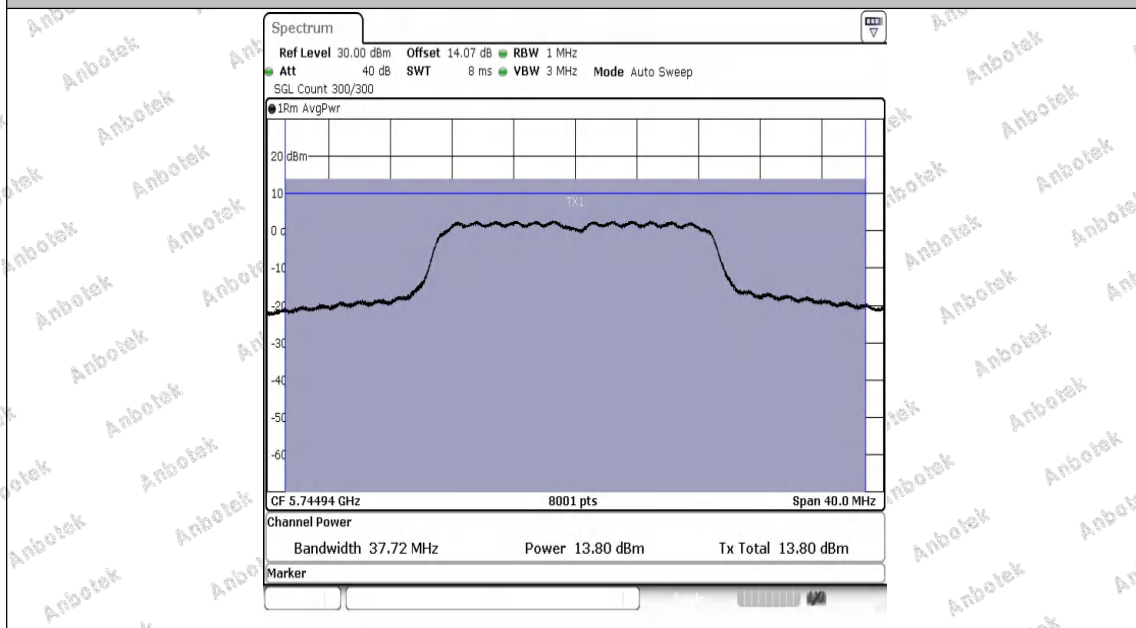


11N20MIMO-Ant2-5240-PASS



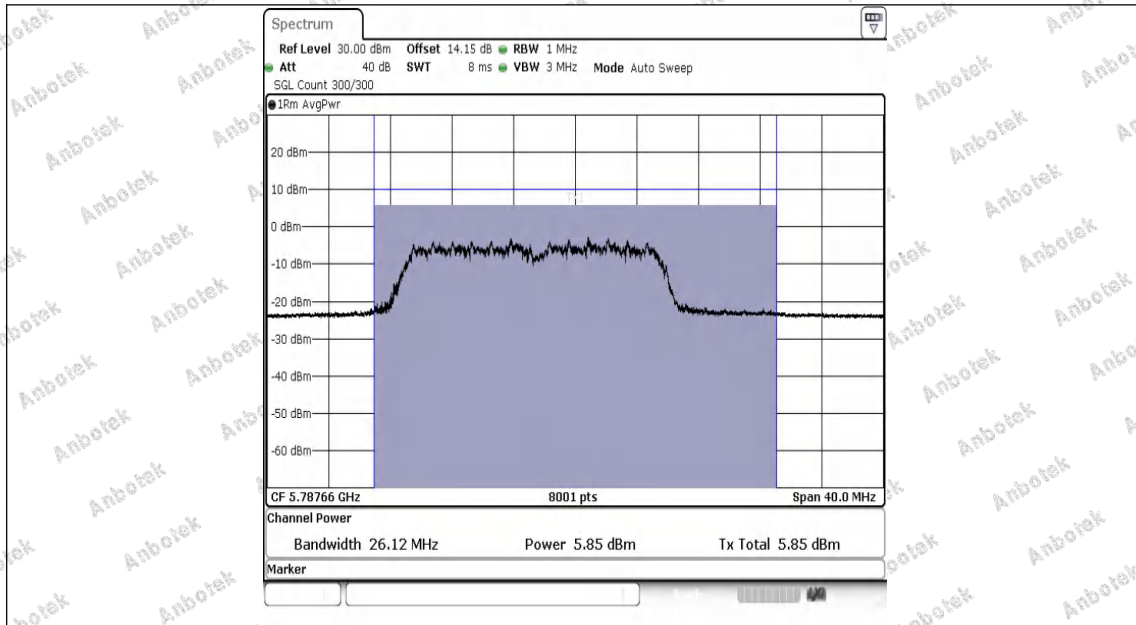


11N20MIMO-Ant1-5745-PASS

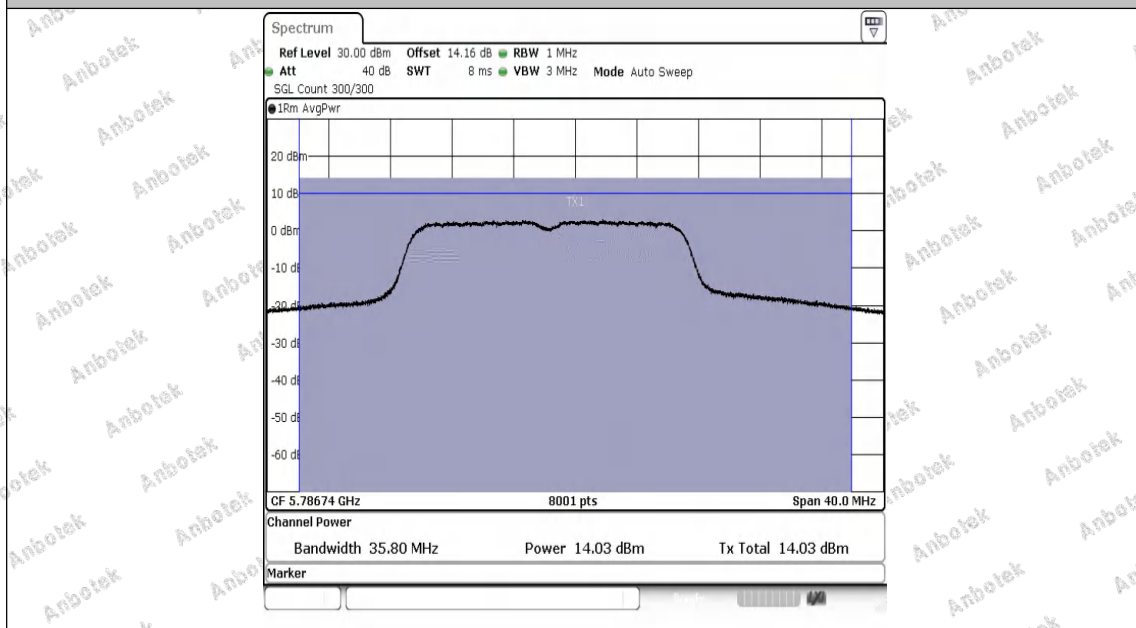


11N20MIMO-Ant2-5745-PASS





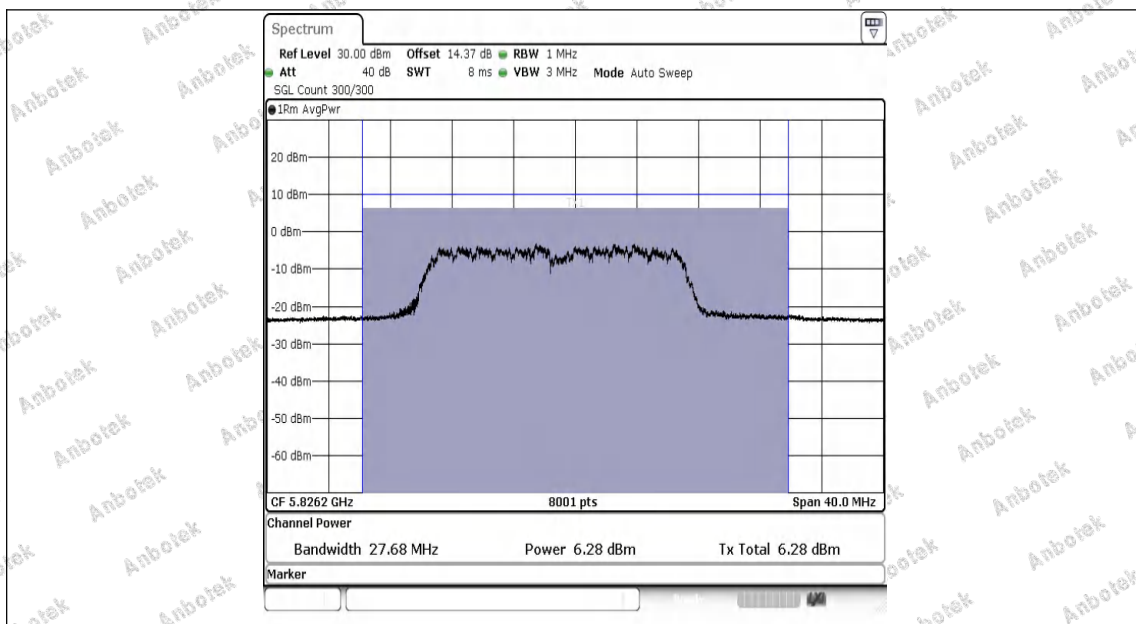
11N20MIMO-Ant1-5785-PASS



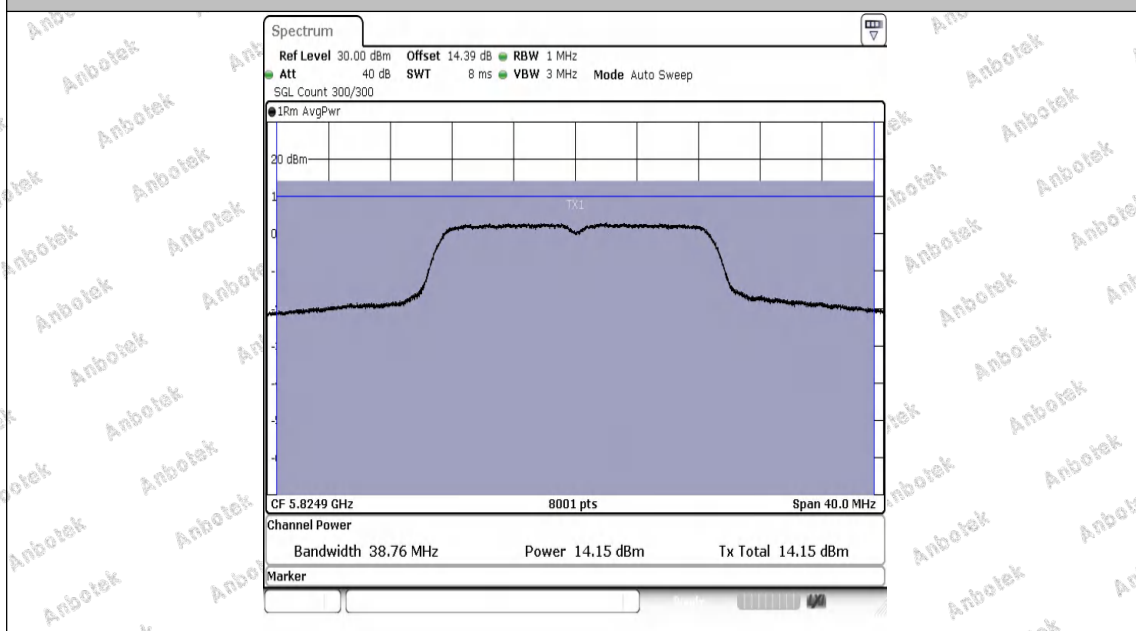
11N20MIMO-Ant2-5785-PASS





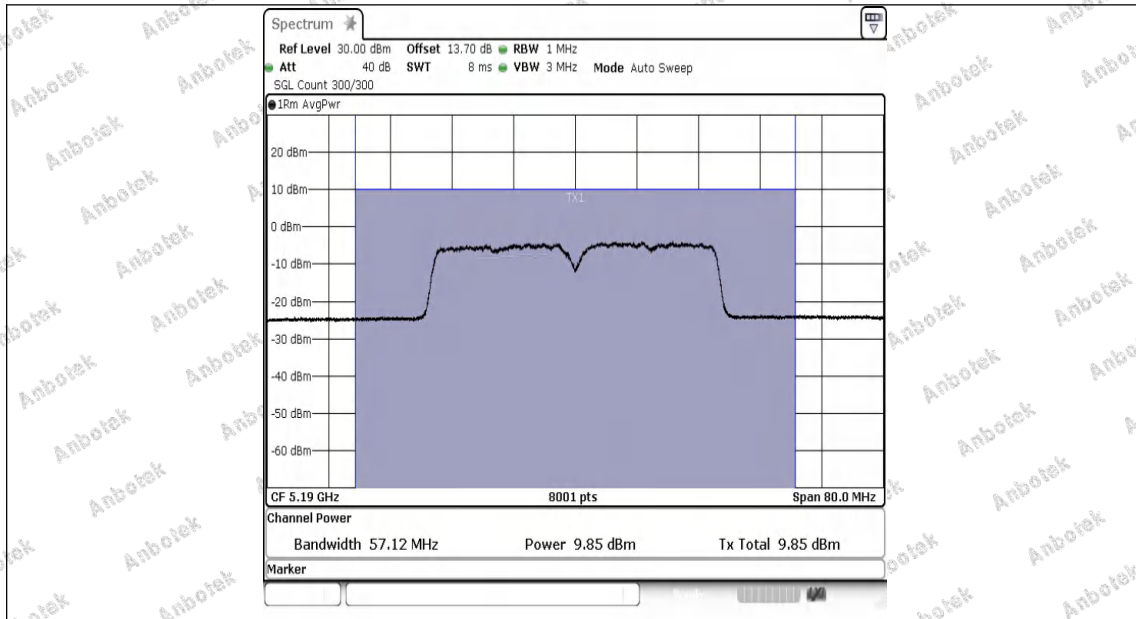


11N20MIMO-Ant1-5825-PASS

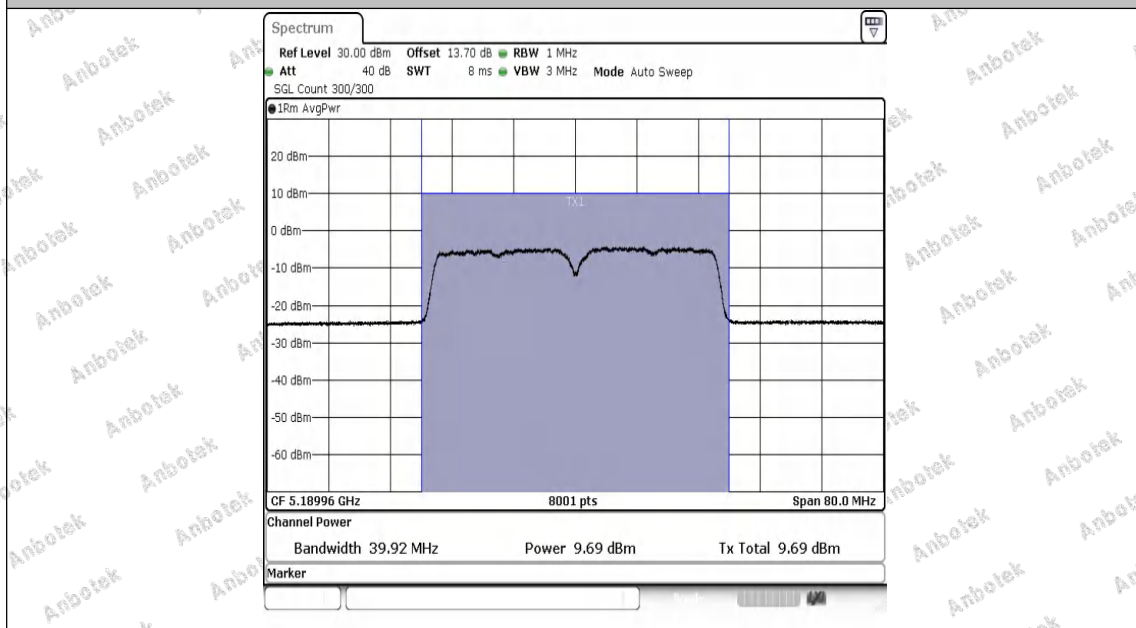


11N20MIMO-Ant2-5825-PASS



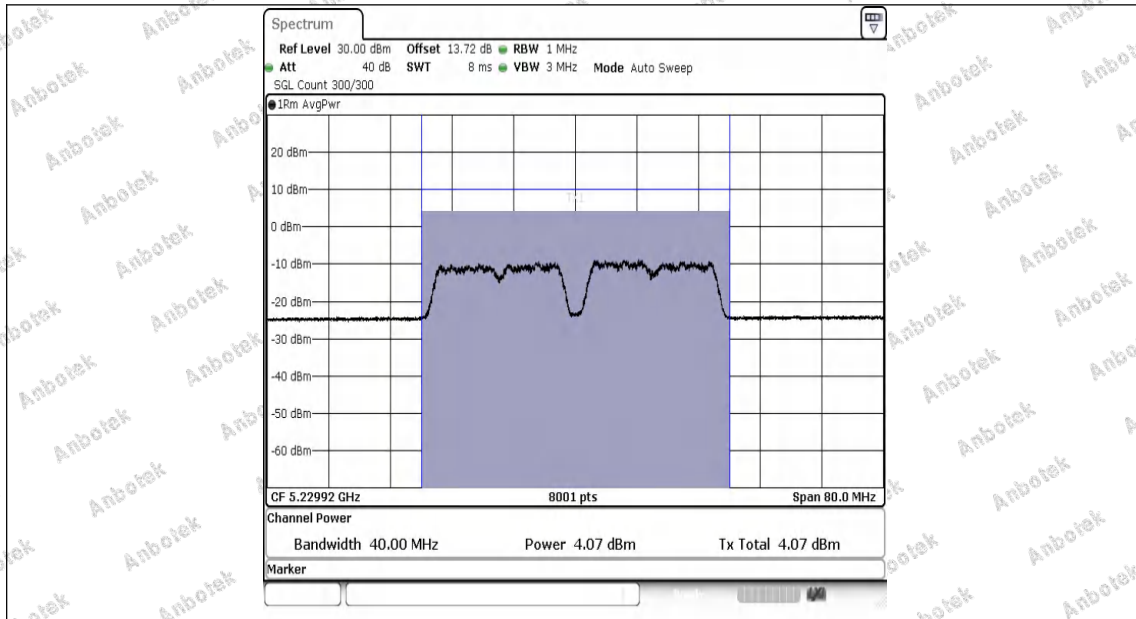


11N40MIMO-Ant1-5190-PASS

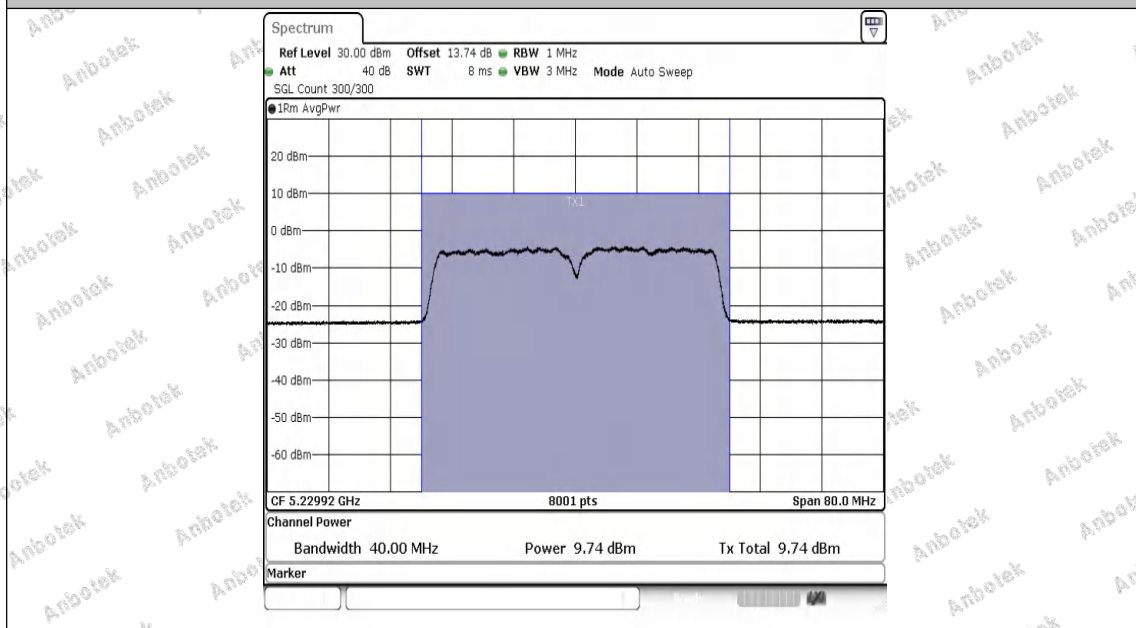


11N40MIMO-Ant2-5190-PASS





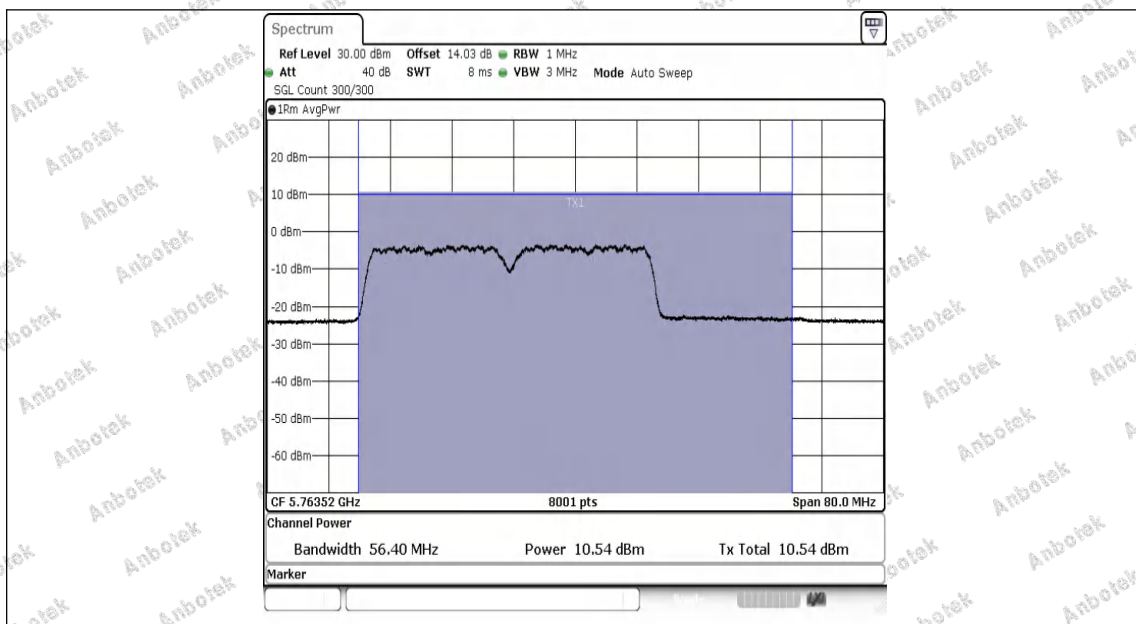
11N40MIMO-Ant1-5230-PASS



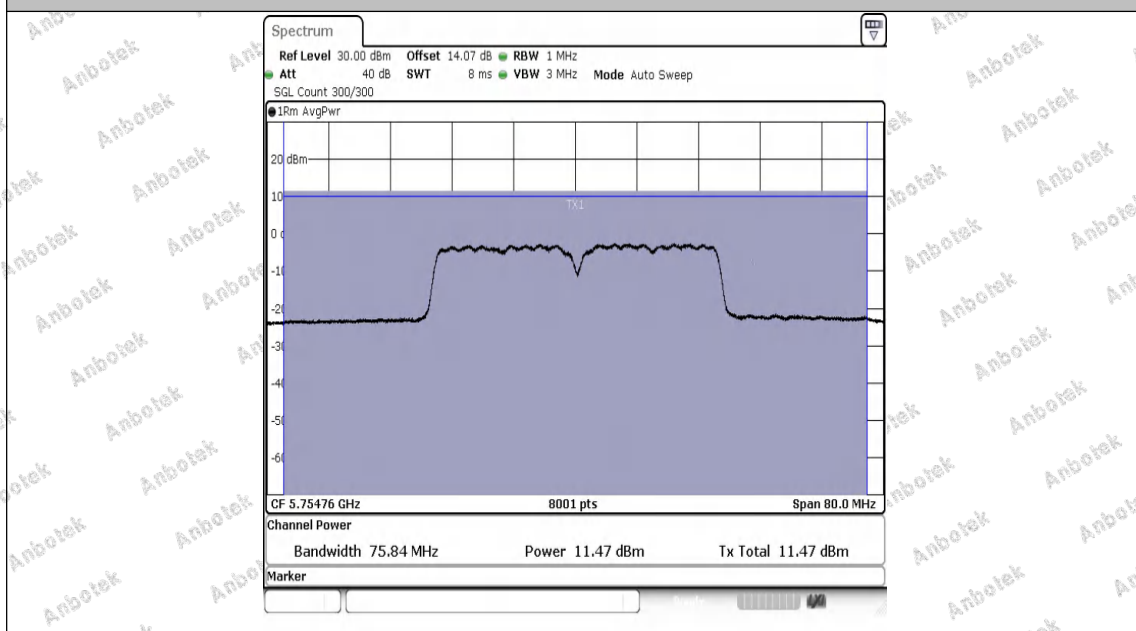
11N40MIMO-Ant2-5230-PASS





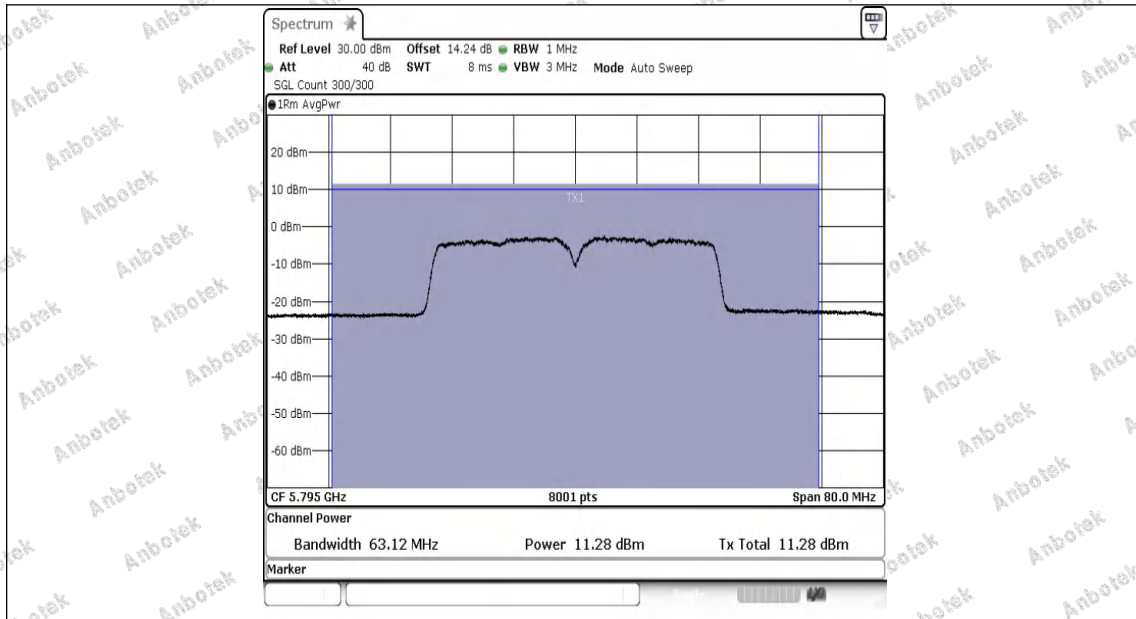


11N40MIMO-Ant1-5755-PASS

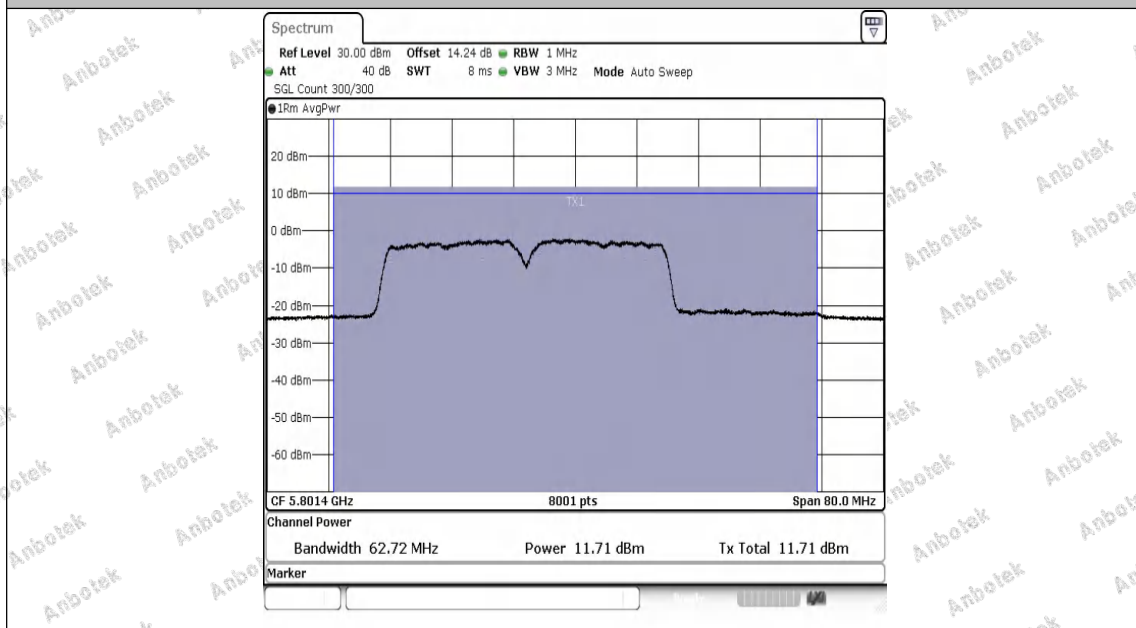


11N40MIMO-Ant2-5755-PASS



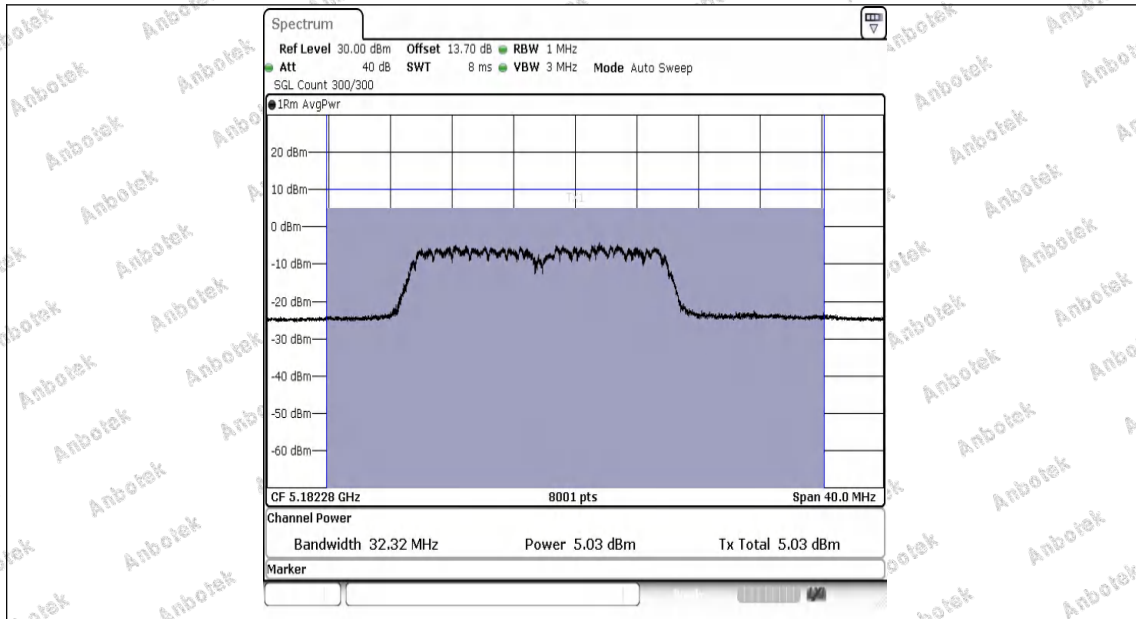


11N40MIMO-Ant1-5795-PASS

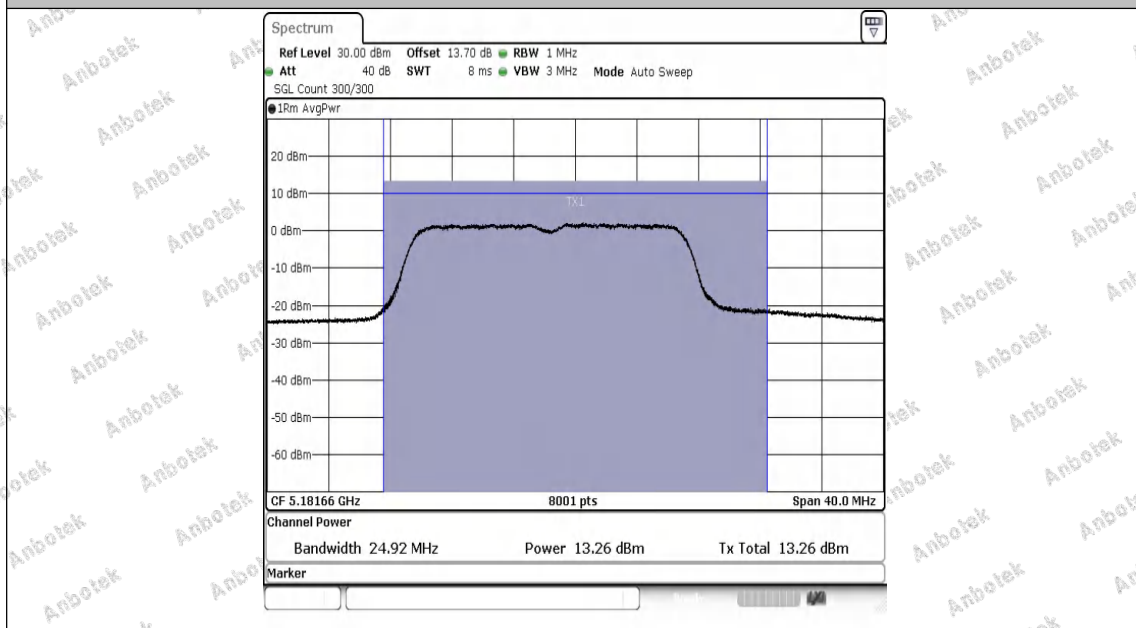


11N40MIMO-Ant2-5795-PASS





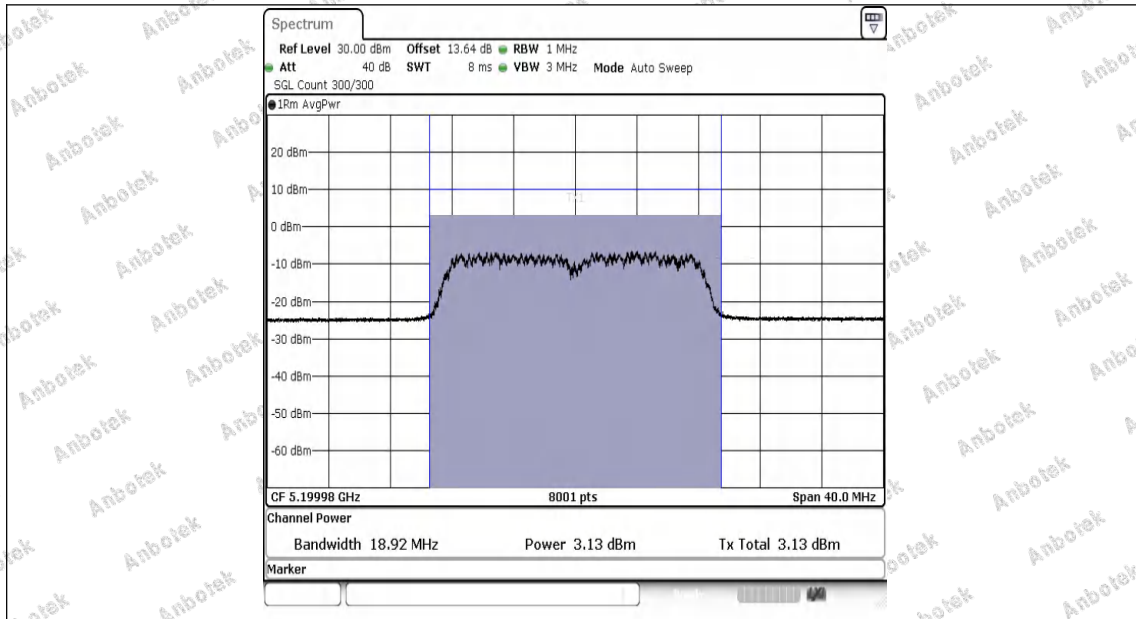
11AC20MIMO-Ant1-5180-PASS



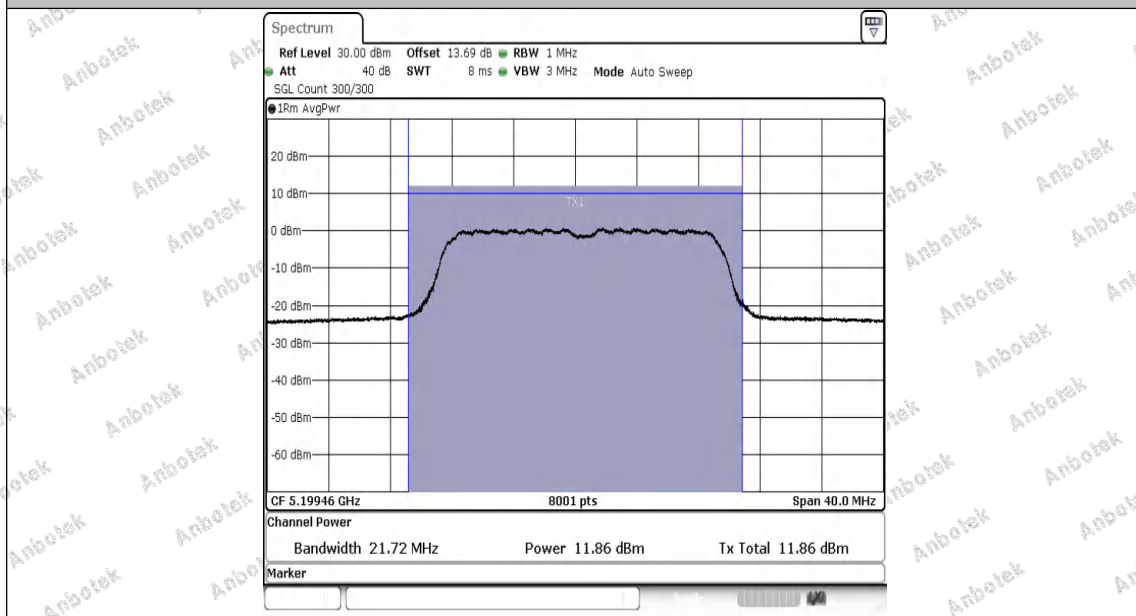
11AC20MIMO-Ant2-5180-PASS





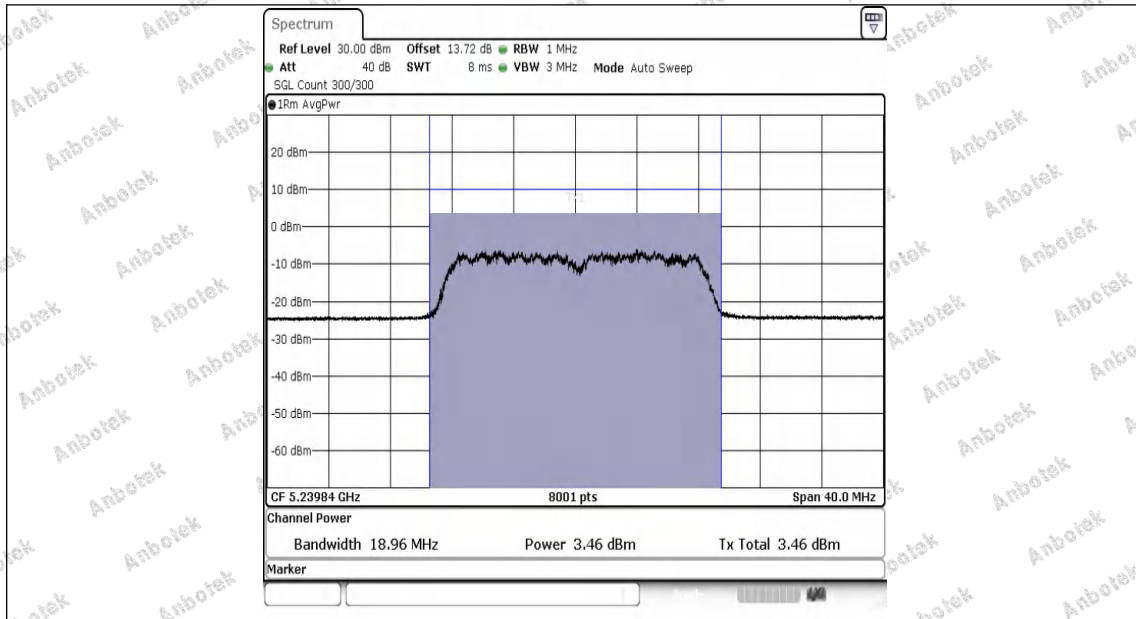


11AC20MIMO-Ant1-5200-PASS

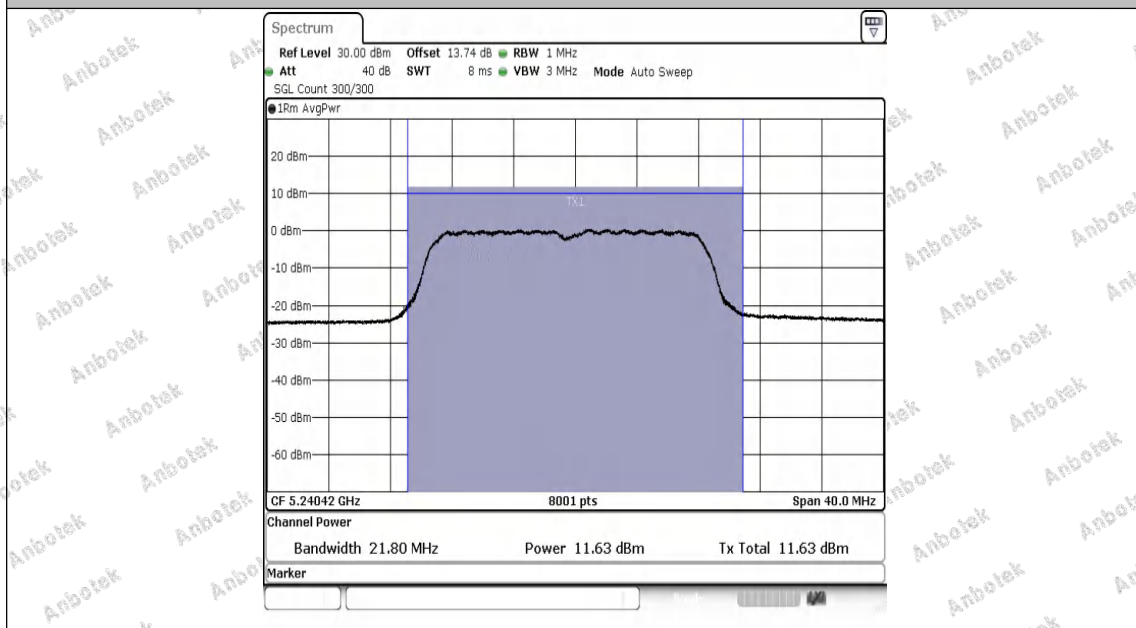


11AC20MIMO-Ant2-5200-PASS



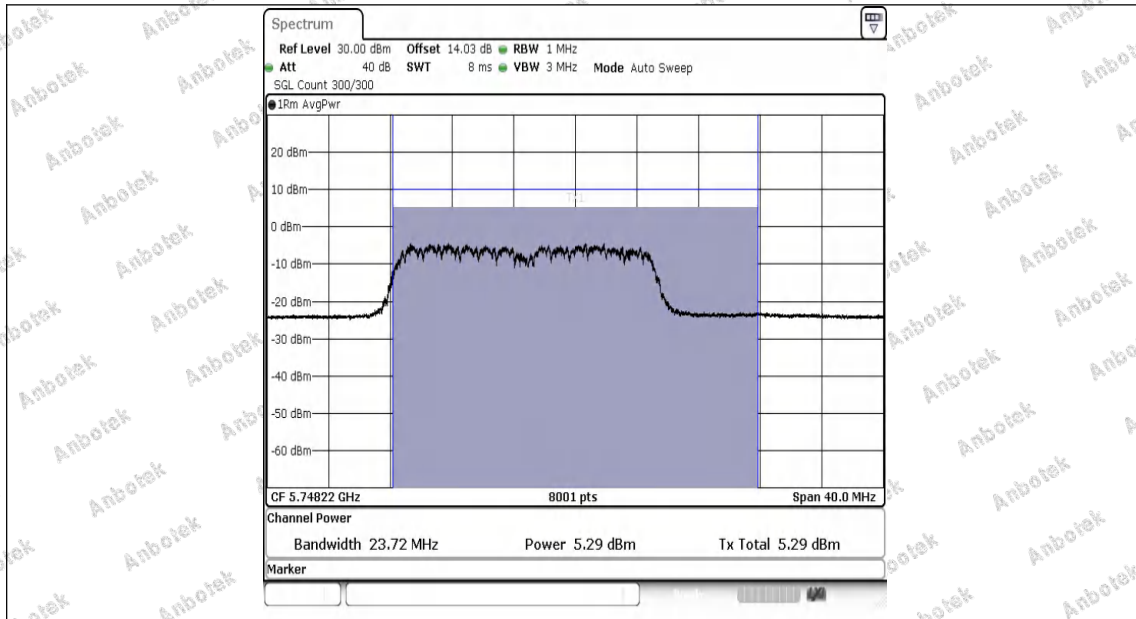


11AC20MIMO-Ant1-5240-PASS

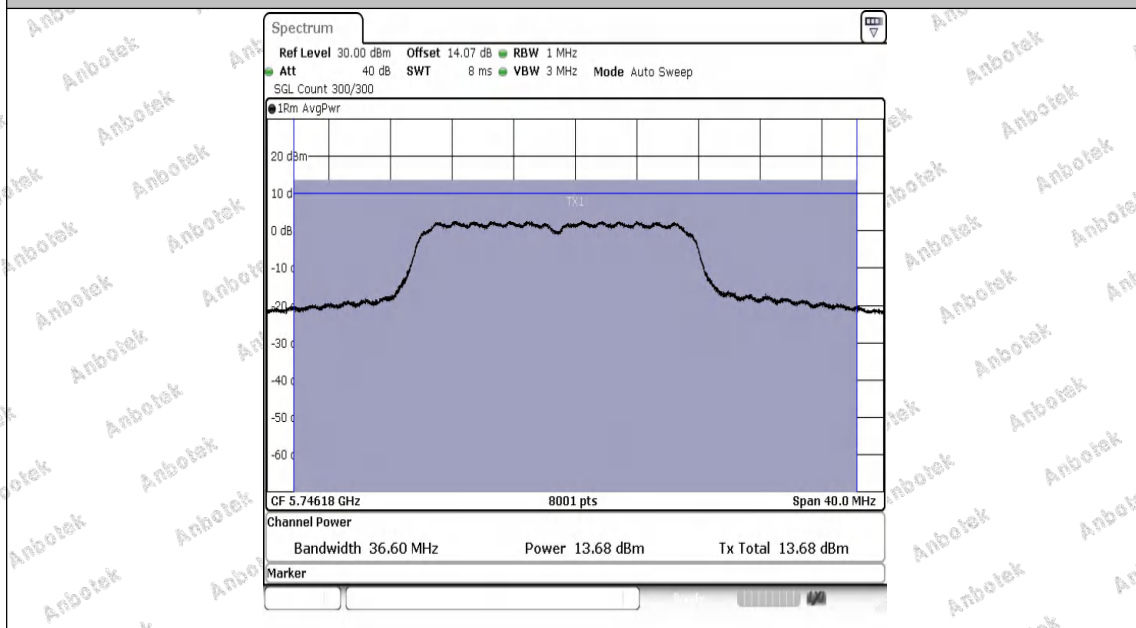


11AC20MIMO-Ant2-5240-PASS





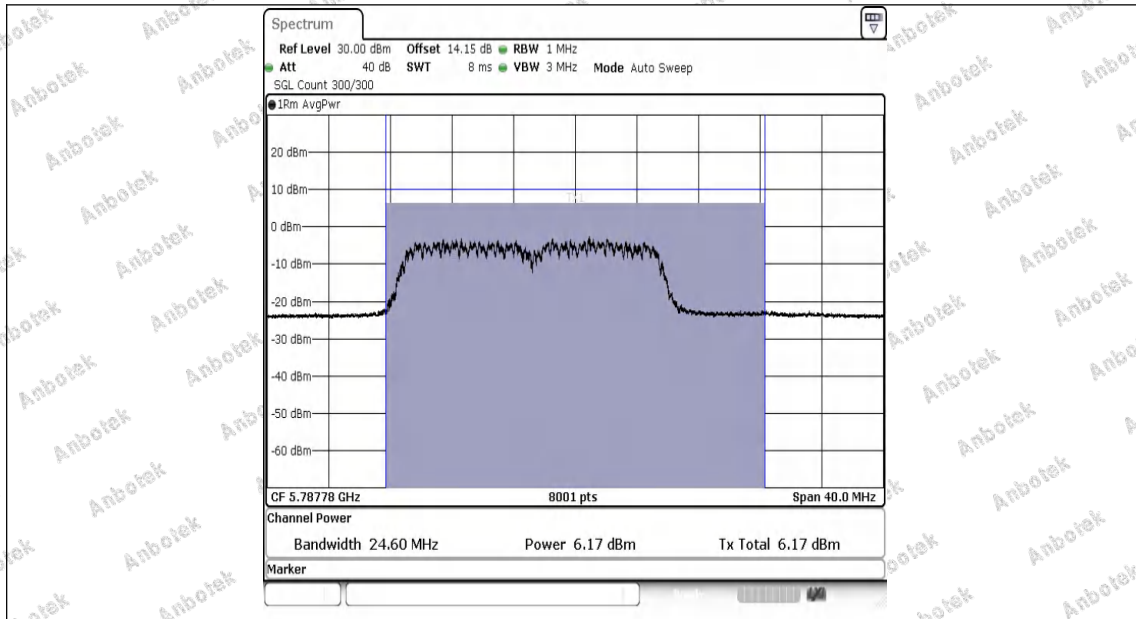
11AC20MIMO-Ant1-5745-PASS



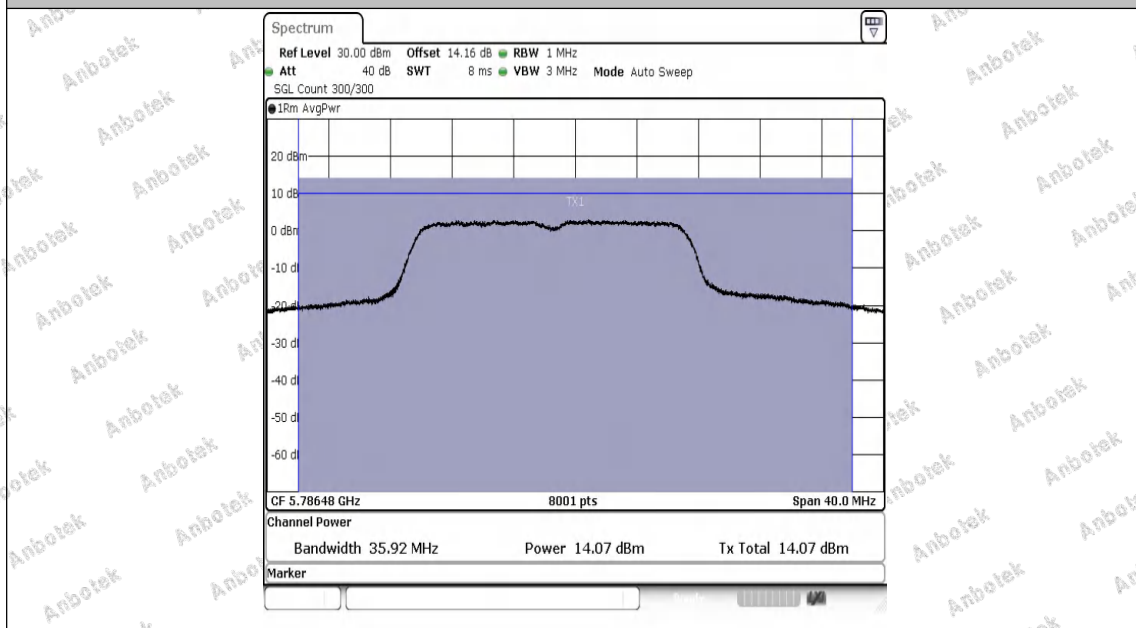
11AC20MIMO-Ant2-5745-PASS





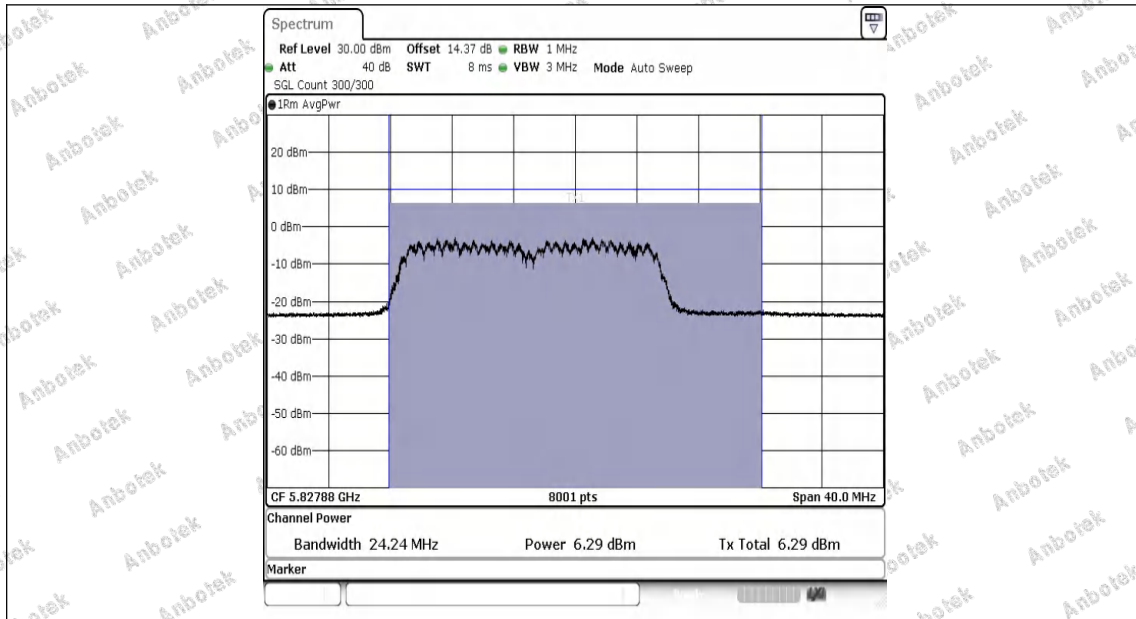


11AC20MIMO-Ant1-5785-PASS

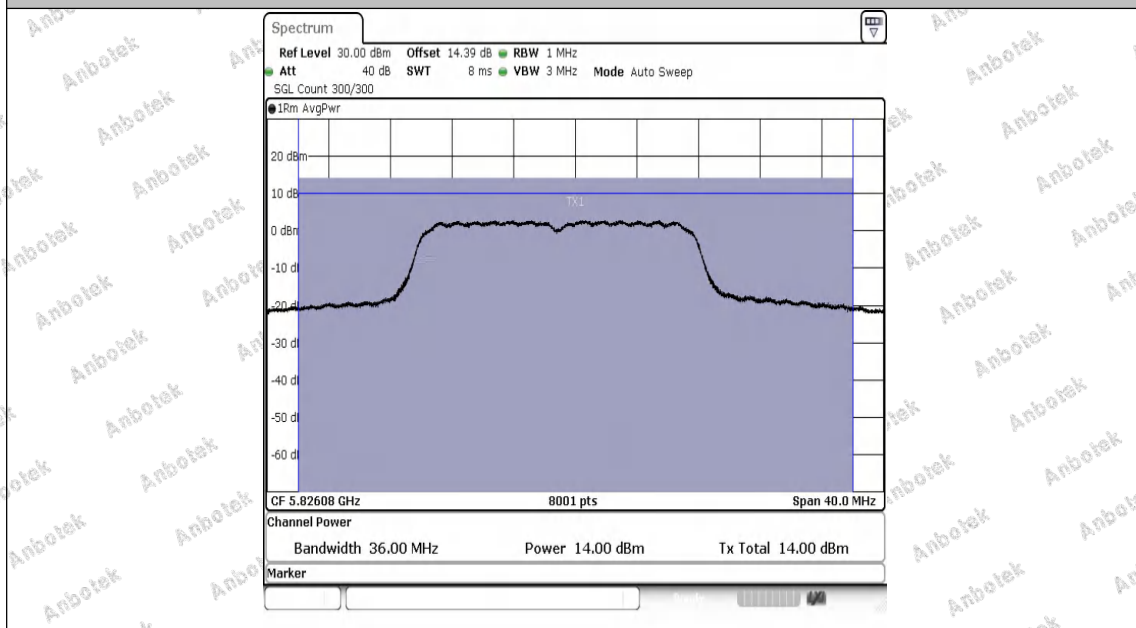


11AC20MIMO-Ant2-5785-PASS



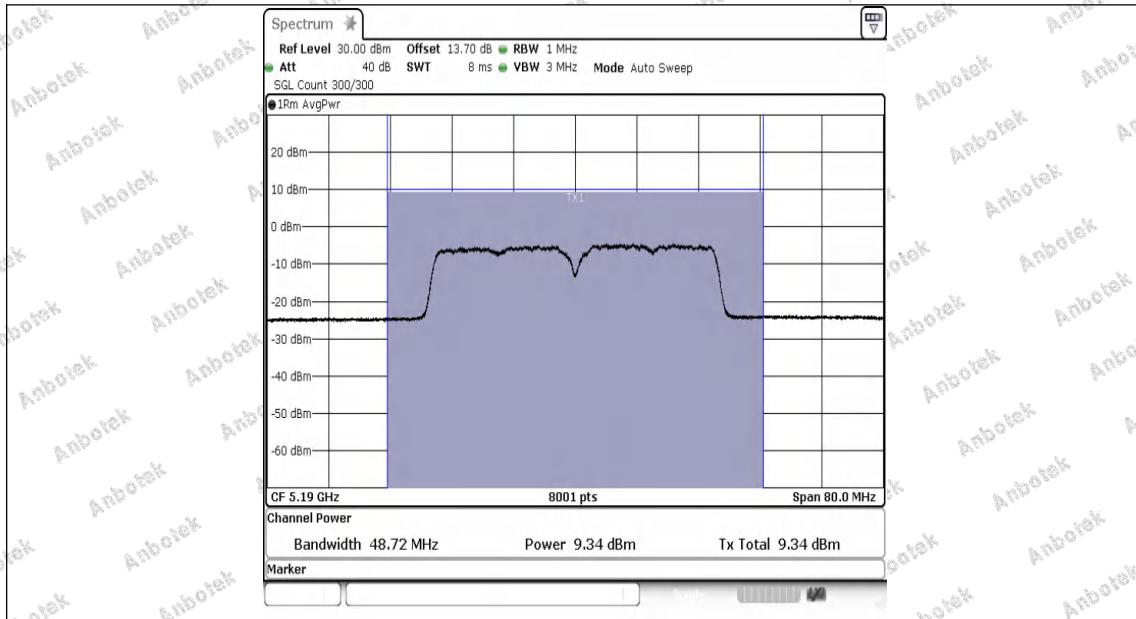


11AC20MIMO-Ant1-5825-PASS

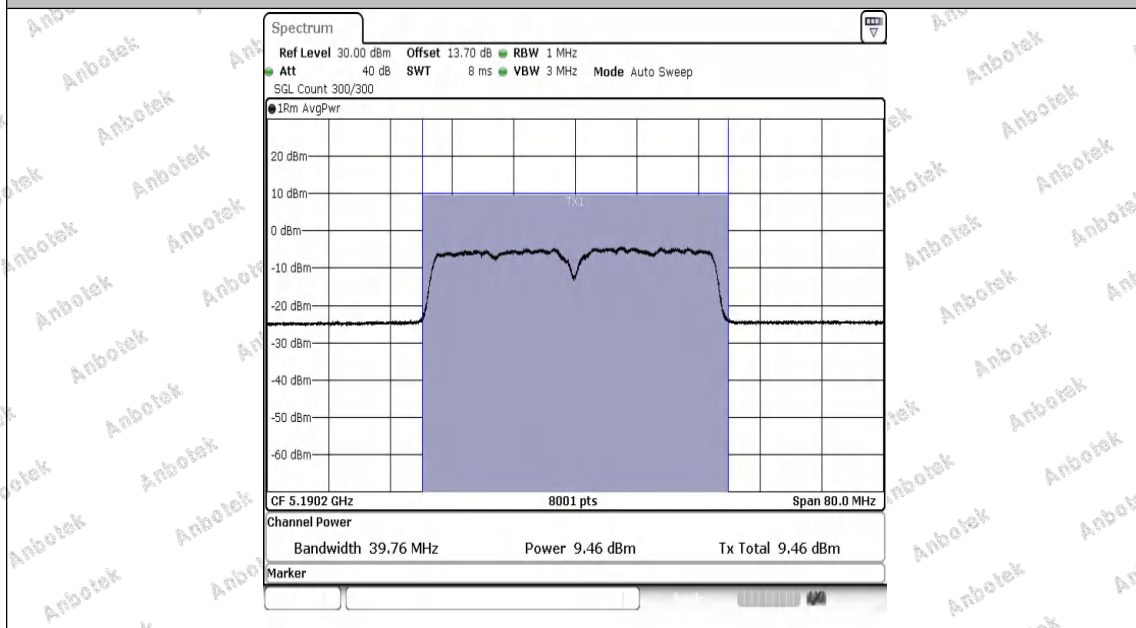


11AC20MIMO-Ant2-5825-PASS





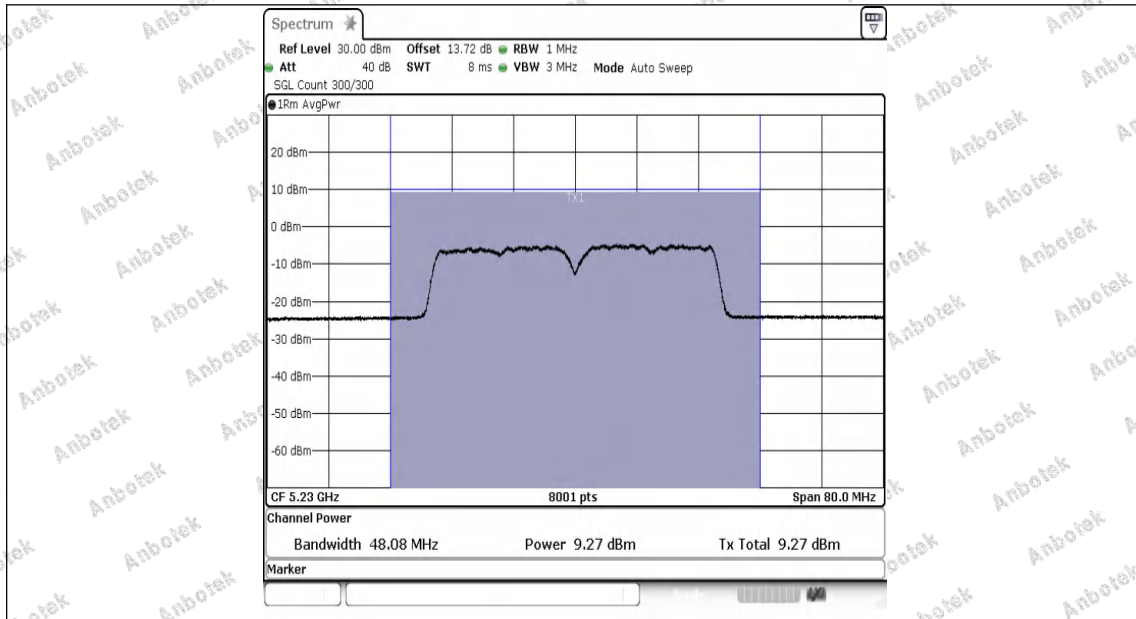
11AC40MIMO-Ant1-5190-PASS



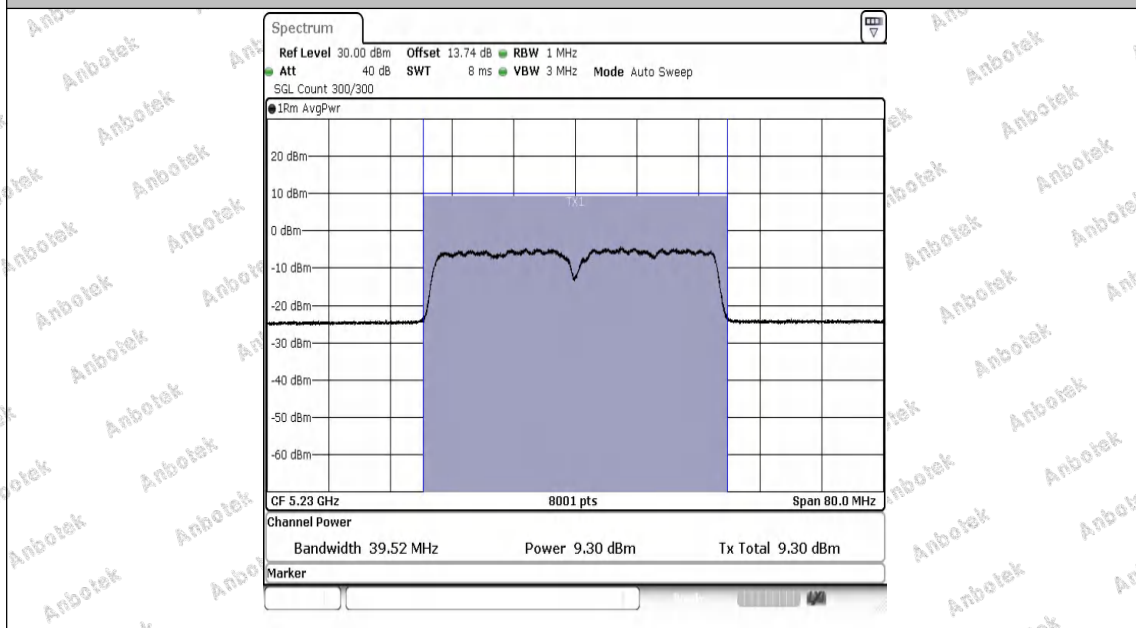
11AC40MIMO-Ant2-5190-PASS





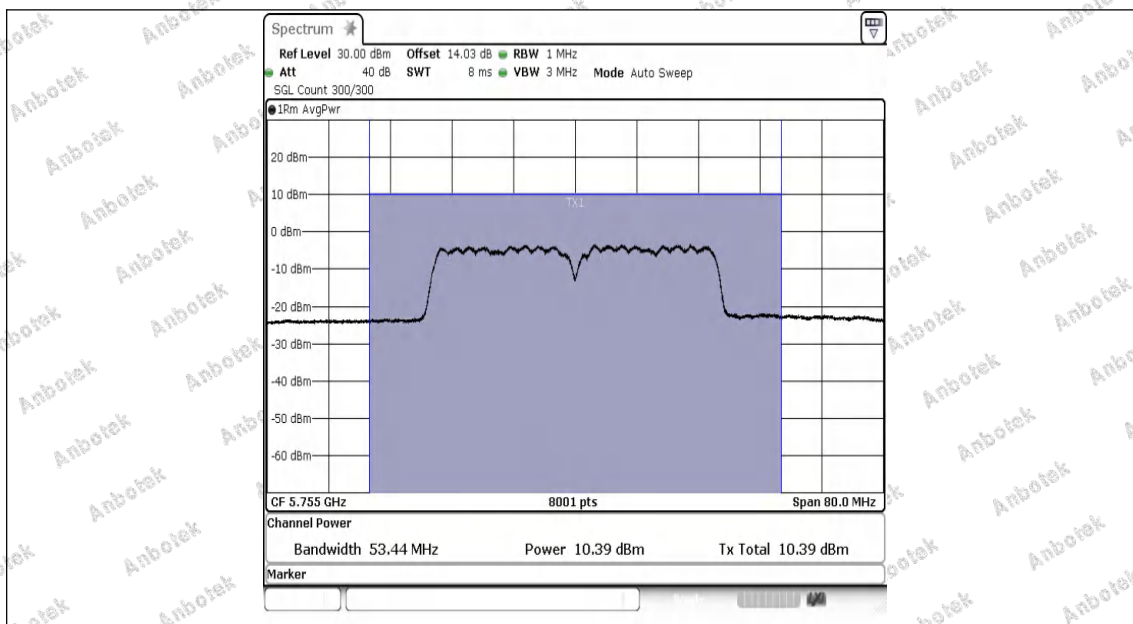


11AC40MIMO-Ant1-5230-PASS

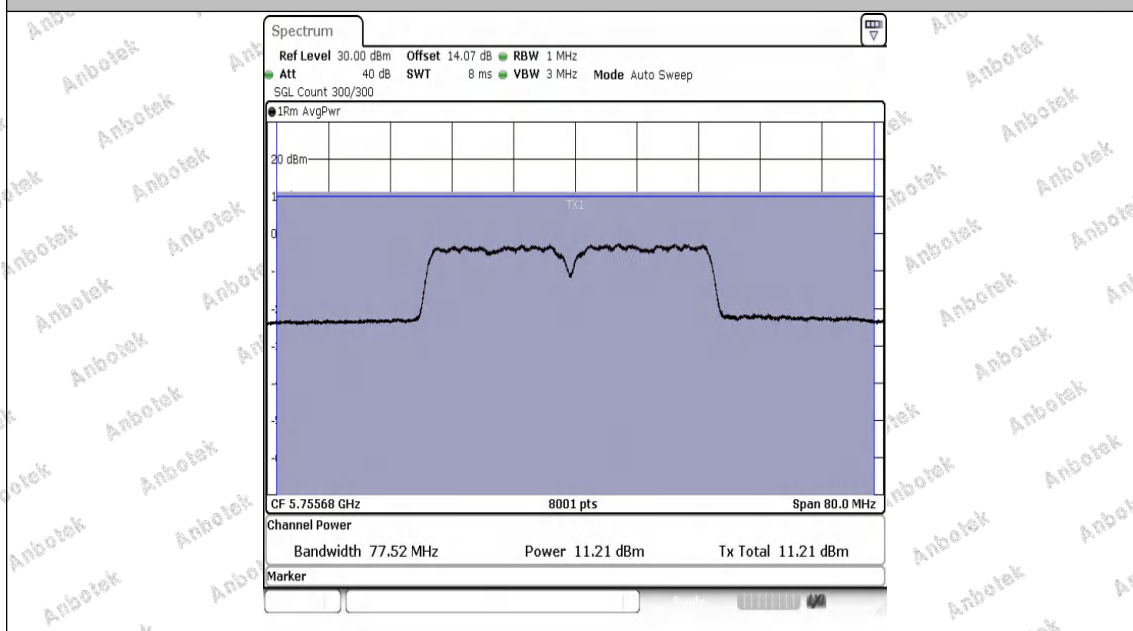


11AC40MIMO-Ant2-5230-PASS



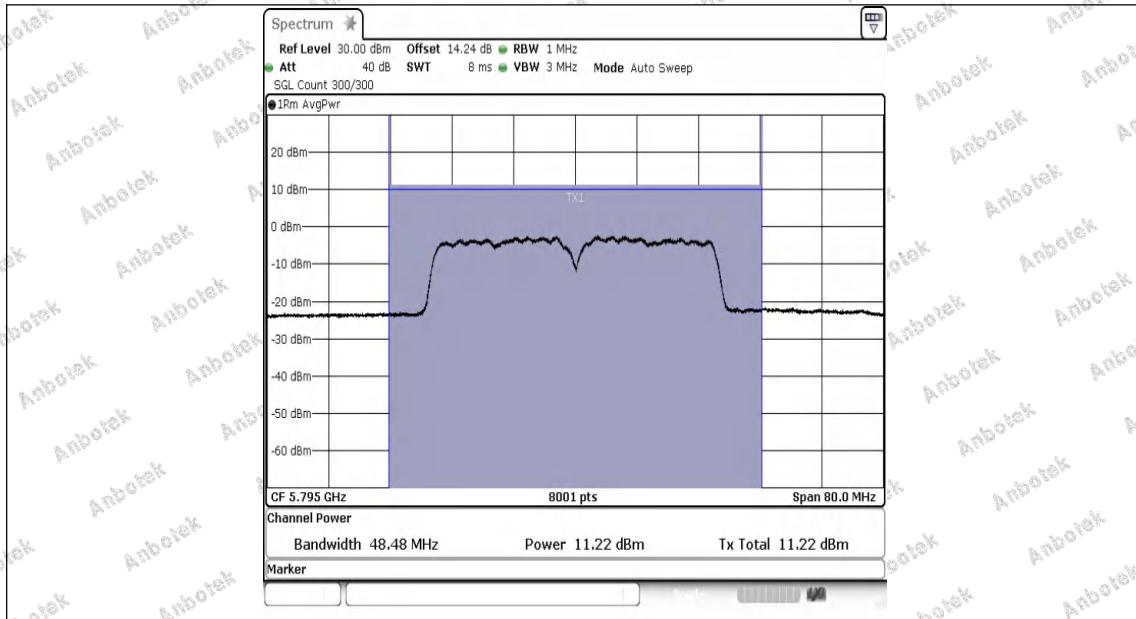


11AC40MIMO-Ant1-5755-PASS

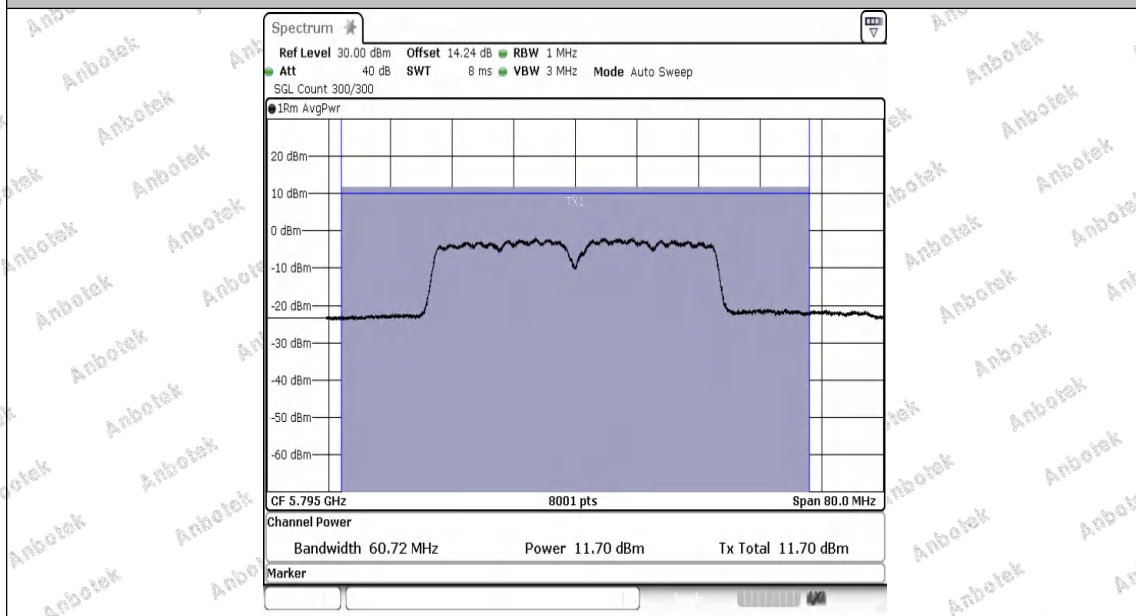


11AC40MIMO-Ant2-5755-PASS





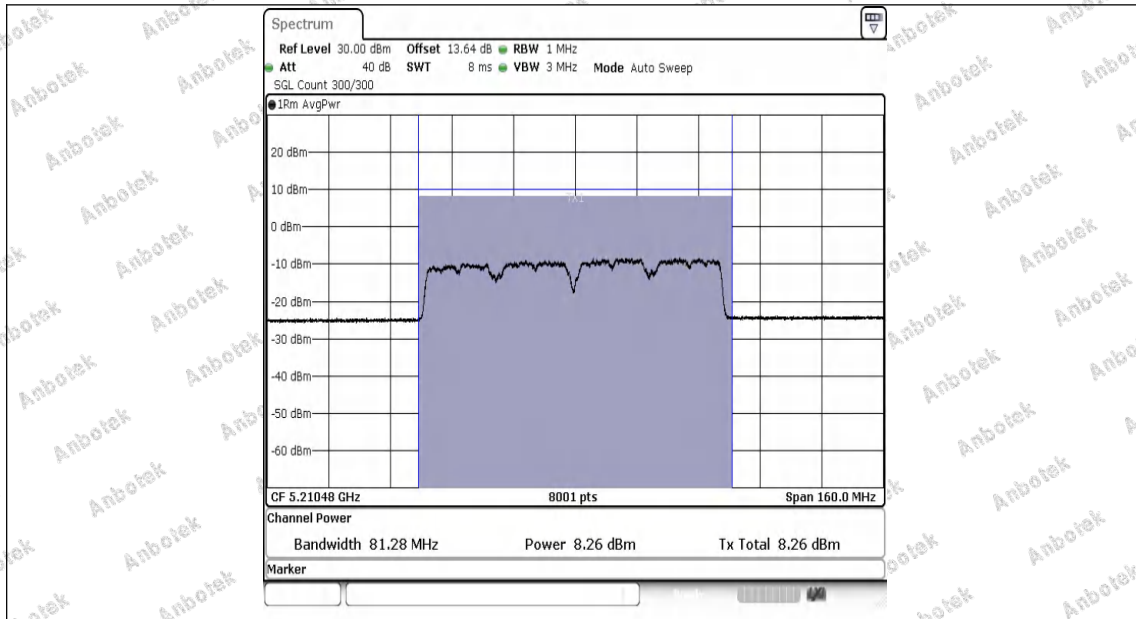
11AC40MIMO-Ant1-5795-PASS



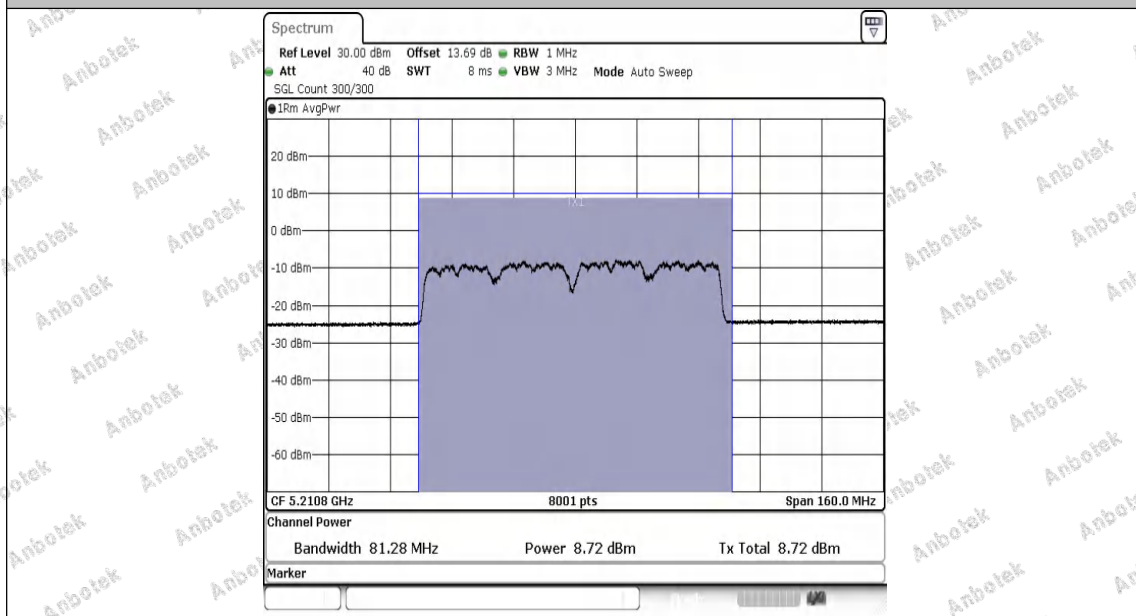
11AC40MIMO-Ant2-5795-PASS





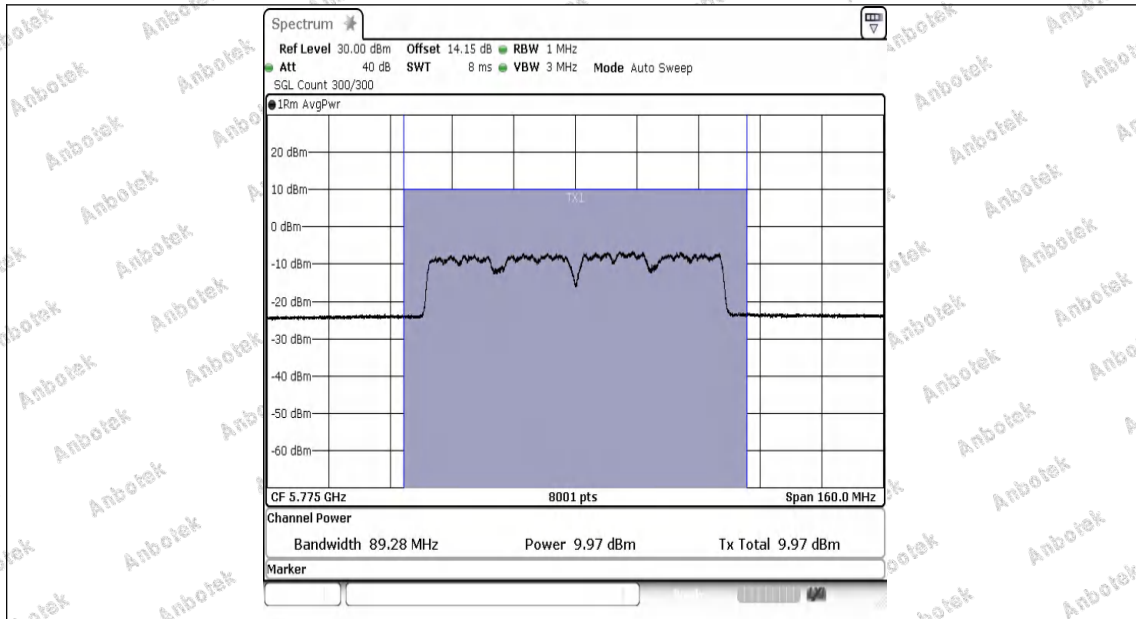


11AC80MIMO-Ant1-5210-PASS

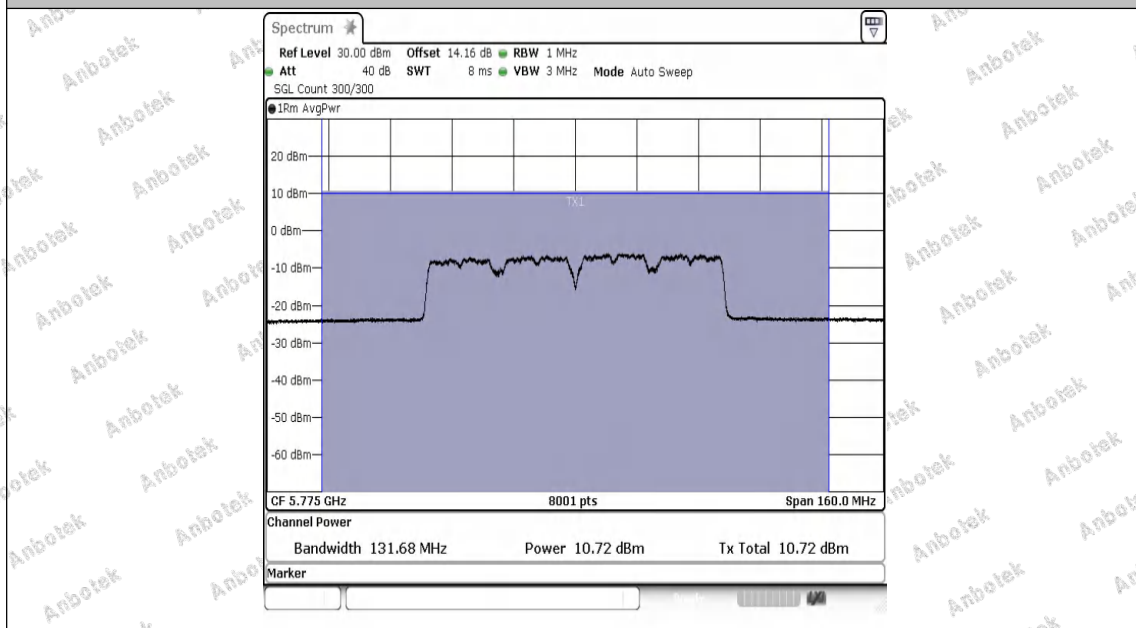


11AC80MIMO-Ant2-5210-PASS



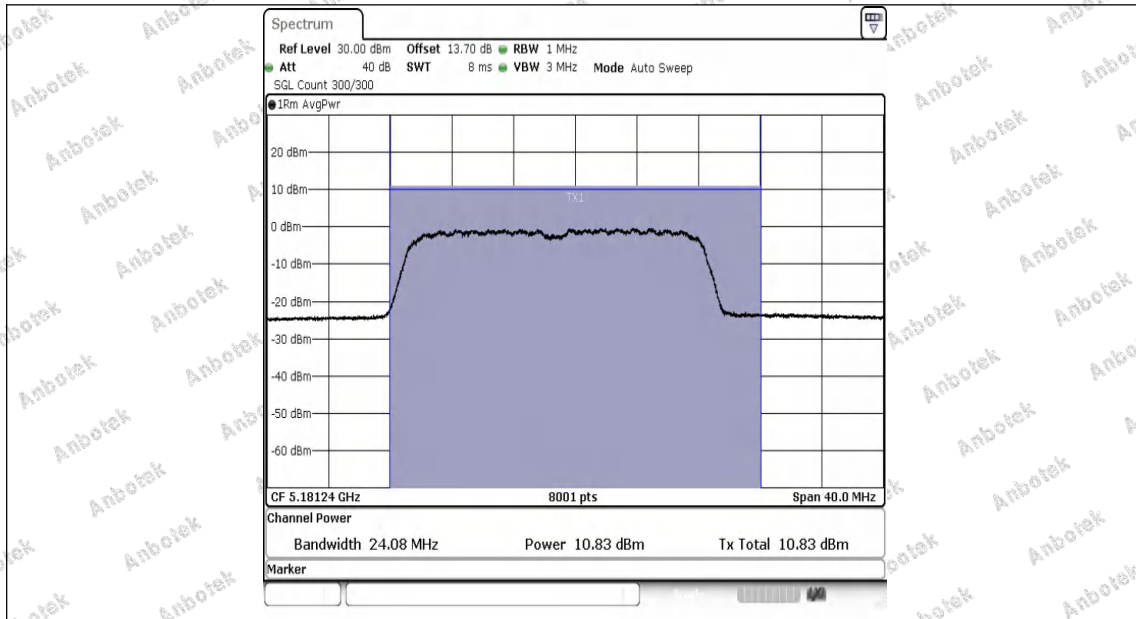


11AC80MIMO-Ant1-5775-PASS

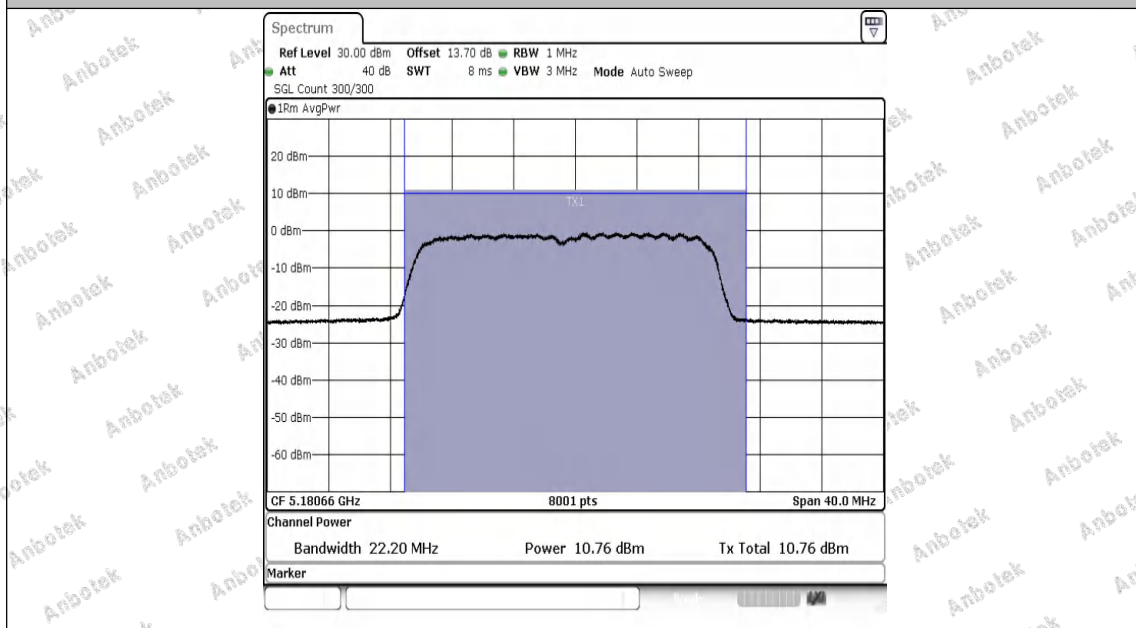


11AC80MIMO-Ant2-5775-PASS





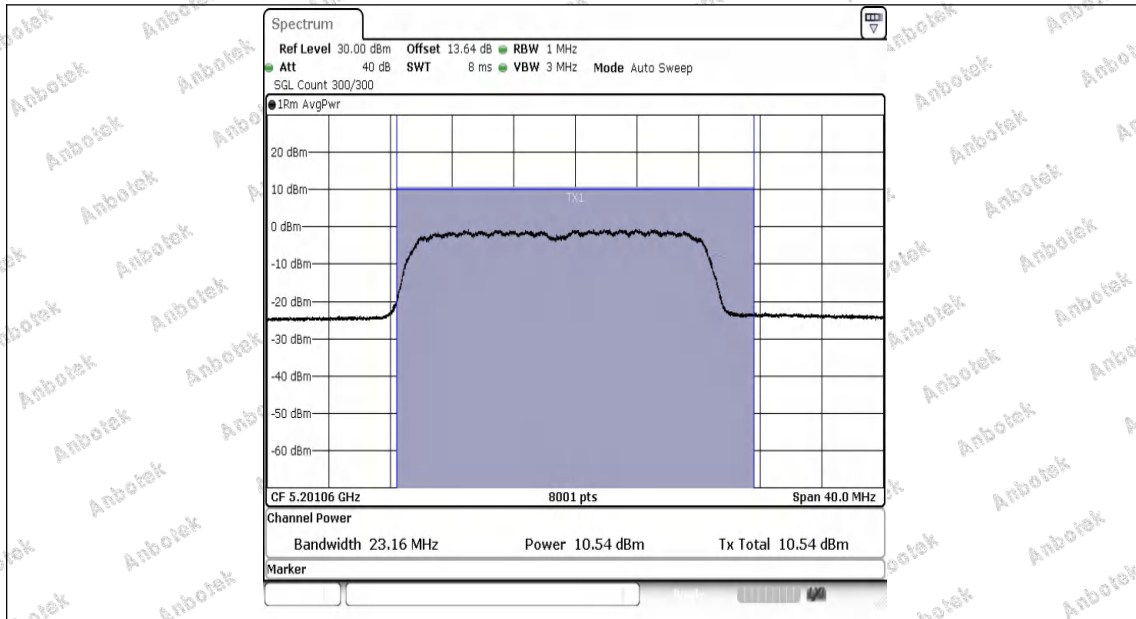
11AX20MIMO-Ant1-5180-PASS



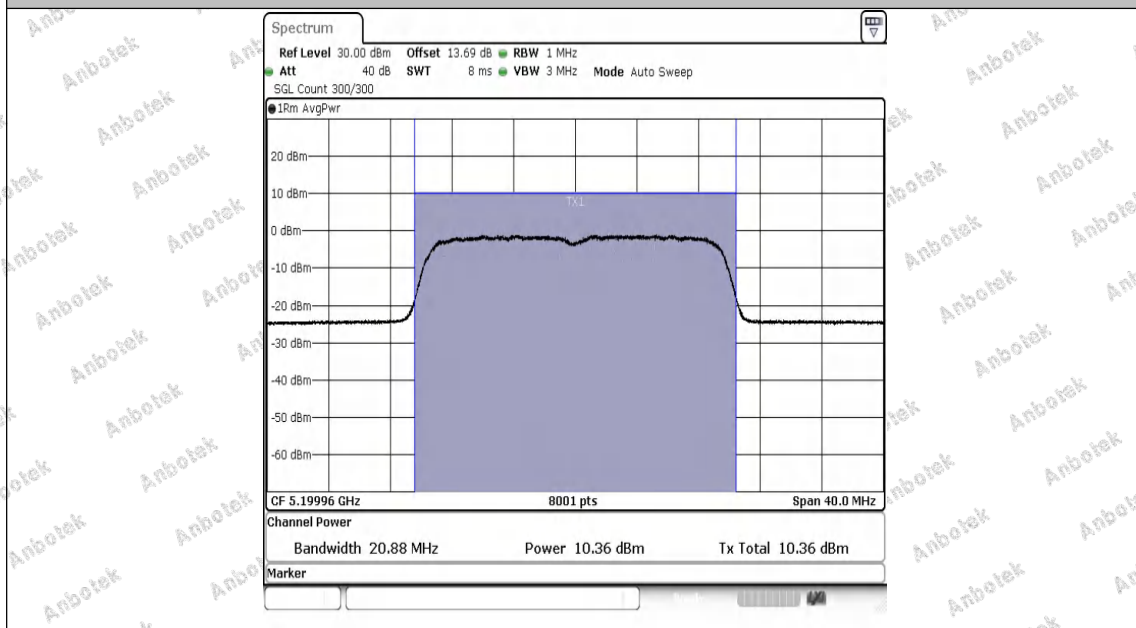
11AX20MIMO-Ant2-5180-PASS





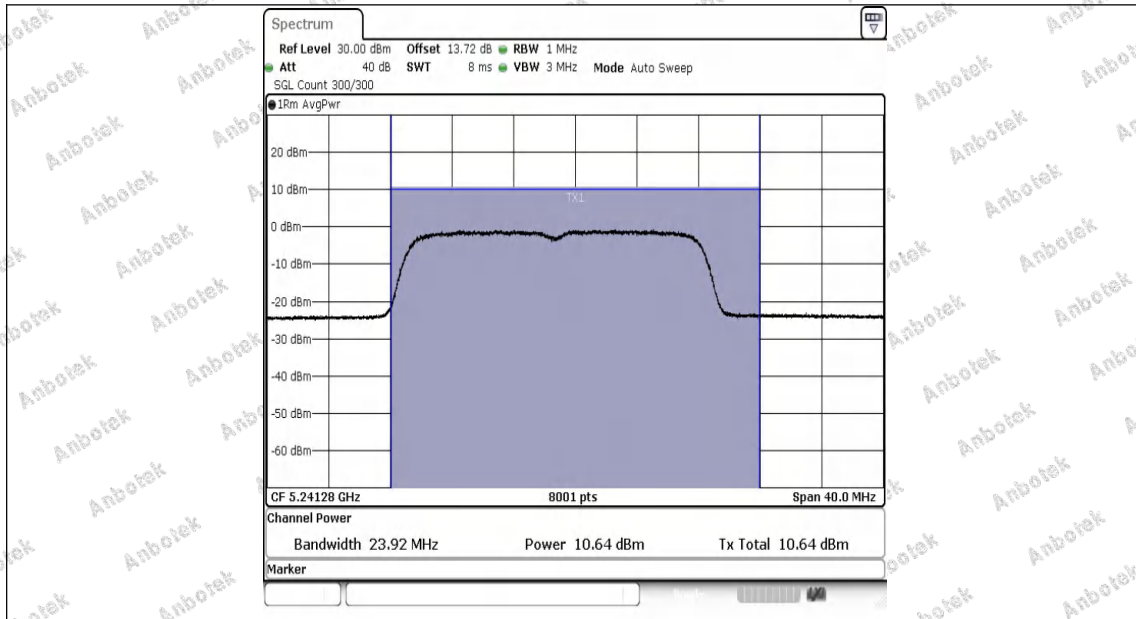


11AX20MIMO-Ant1-5200-PASS

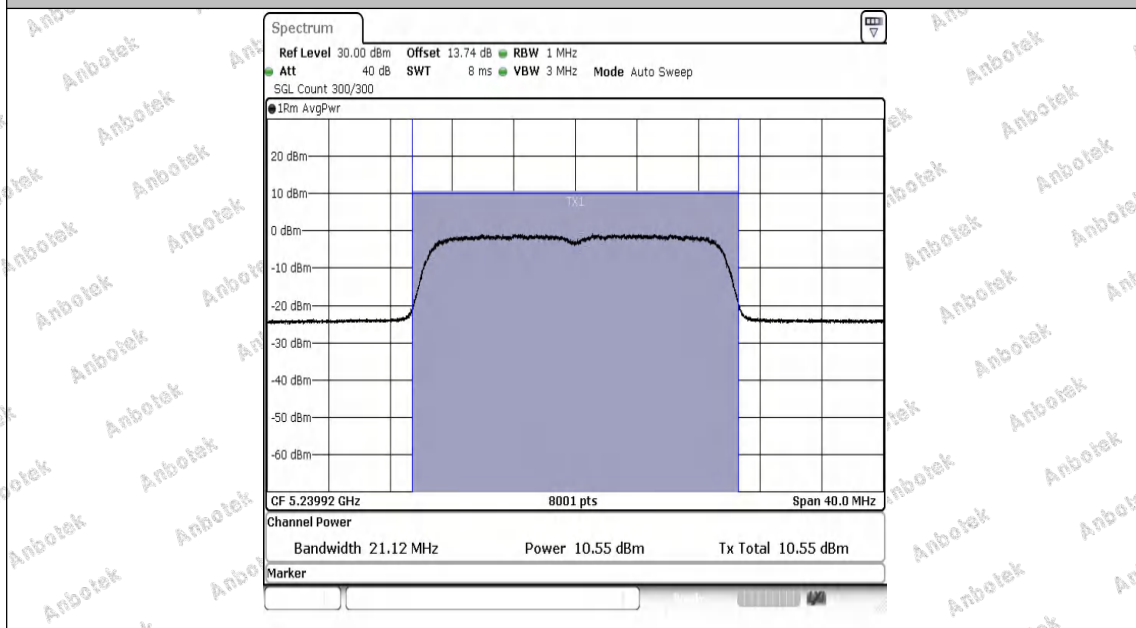


11AX20MIMO-Ant2-5200-PASS



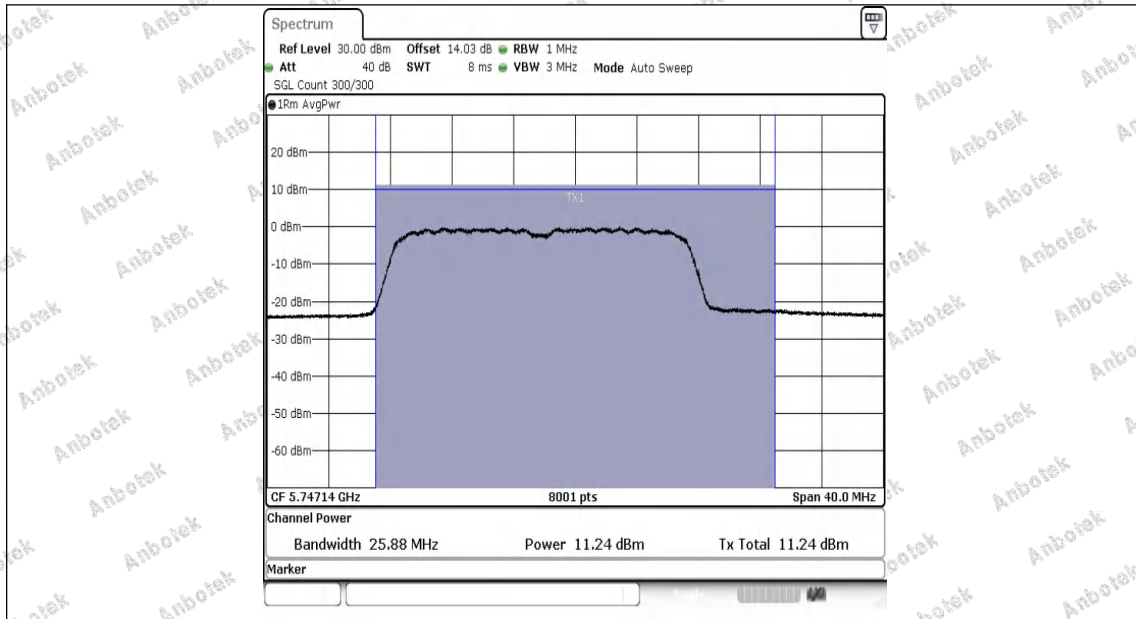


11AX20MIMO-Ant1-5240-PASS

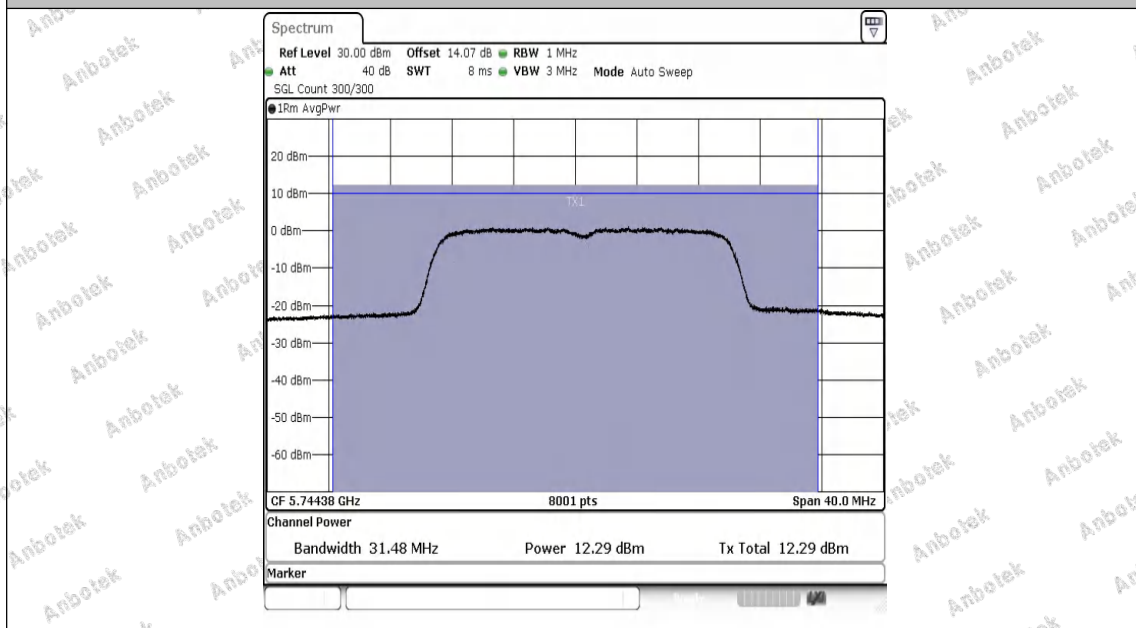


11AX20MIMO-Ant2-5240-PASS





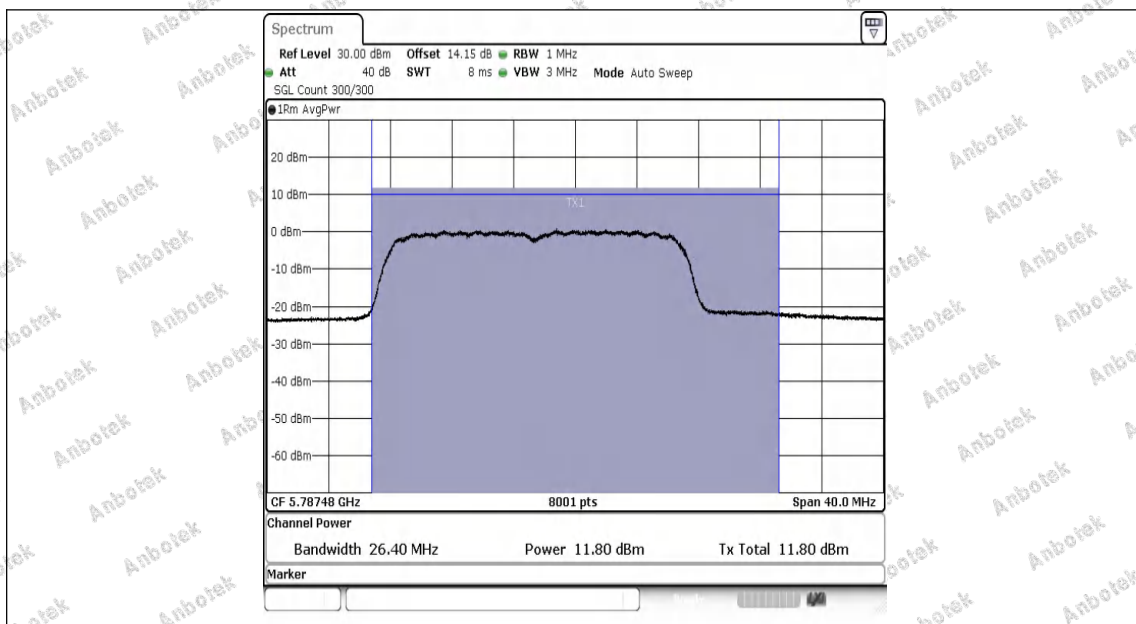
11AX20MIMO-Ant1-5745-PASS



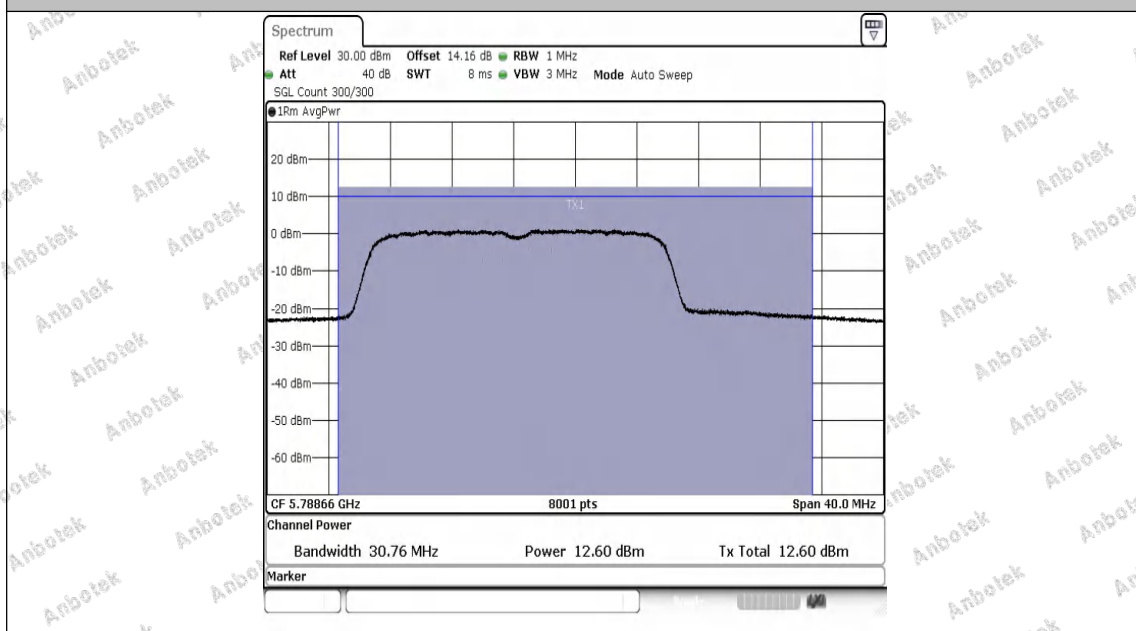
11AX20MIMO-Ant2-5745-PASS





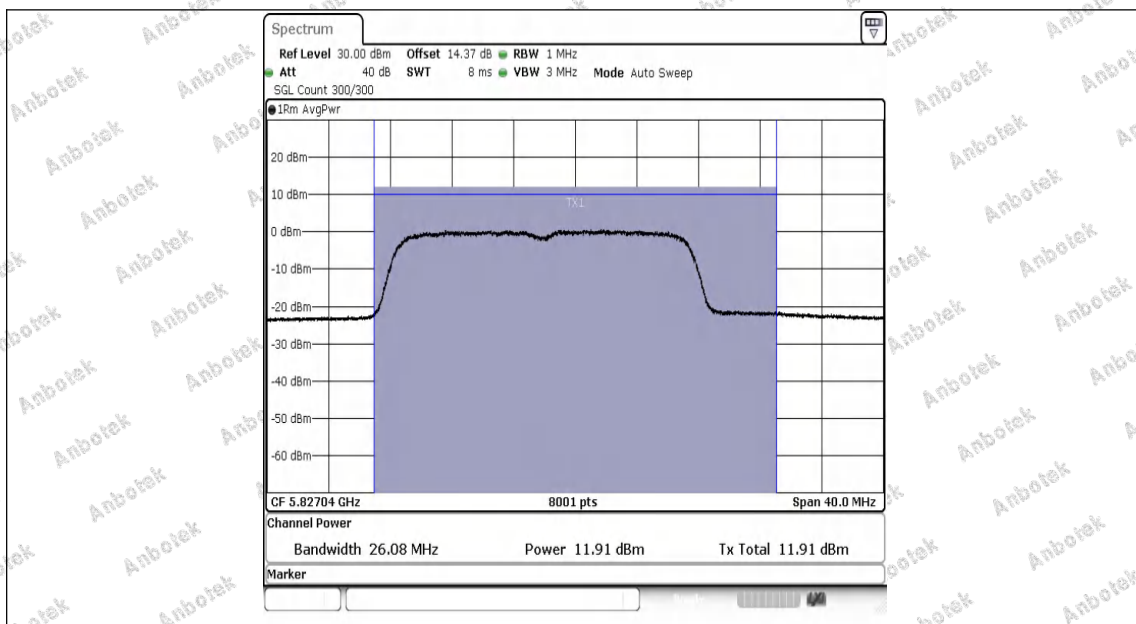


11AX20MIMO-Ant1-5785-PASS

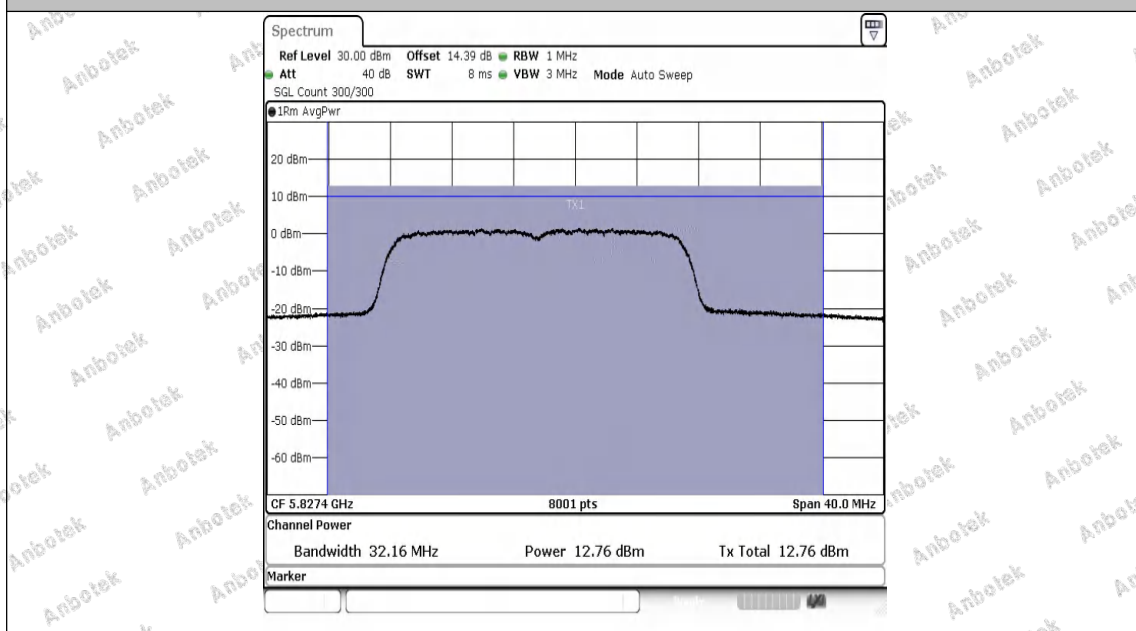


11AX20MIMO-Ant2-5785-PASS



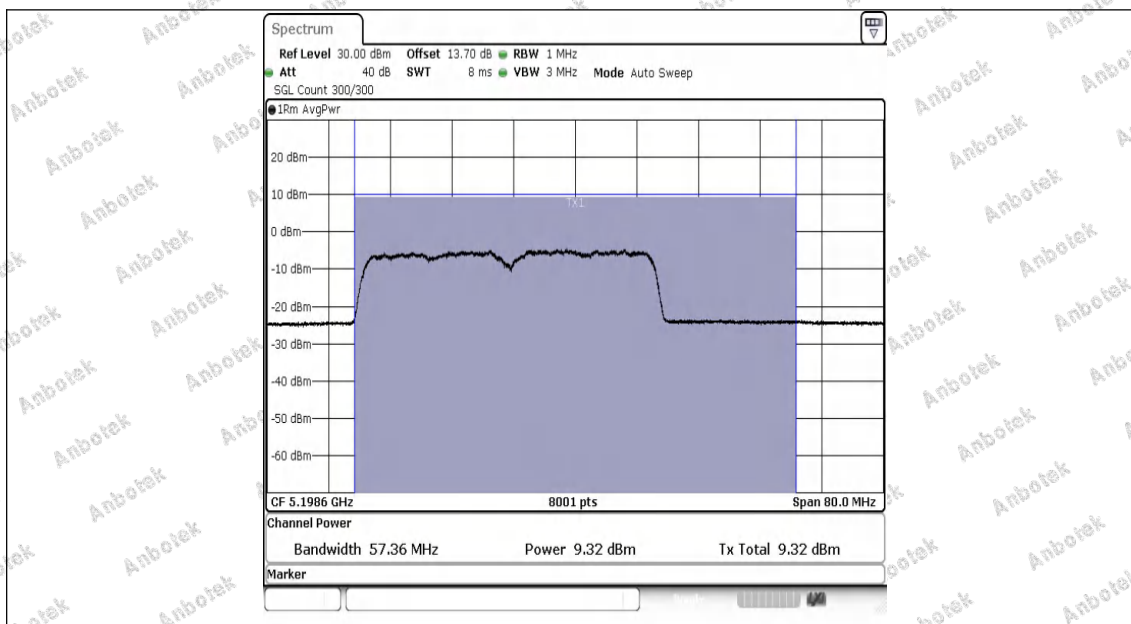


11AX20MIMO-Ant1-5825-PASS

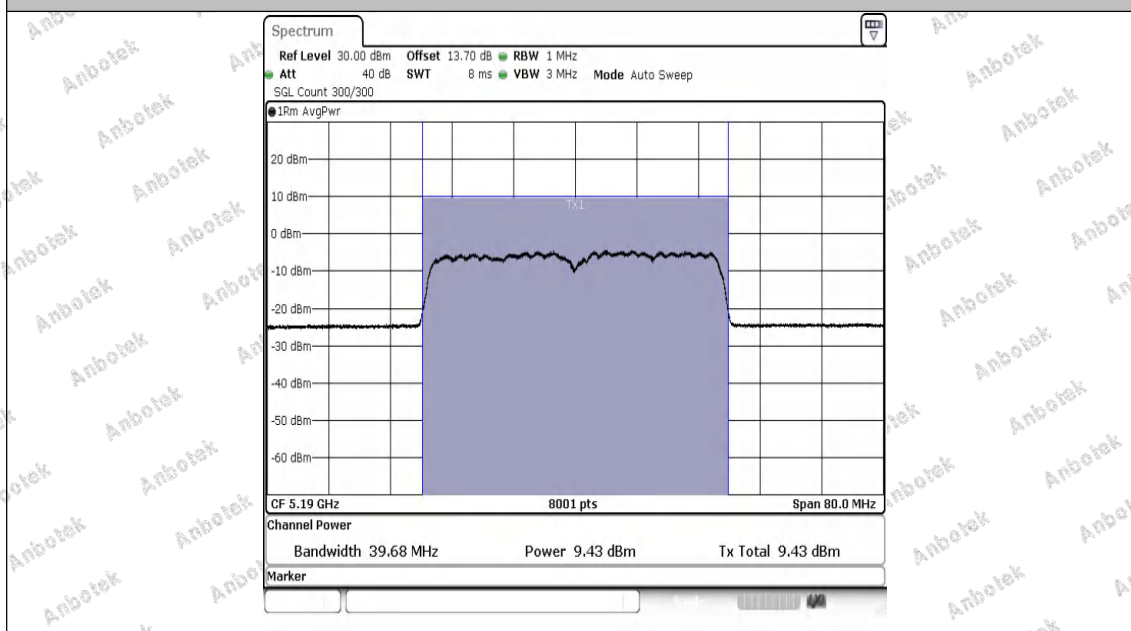


11AX20MIMO-Ant2-5825-PASS





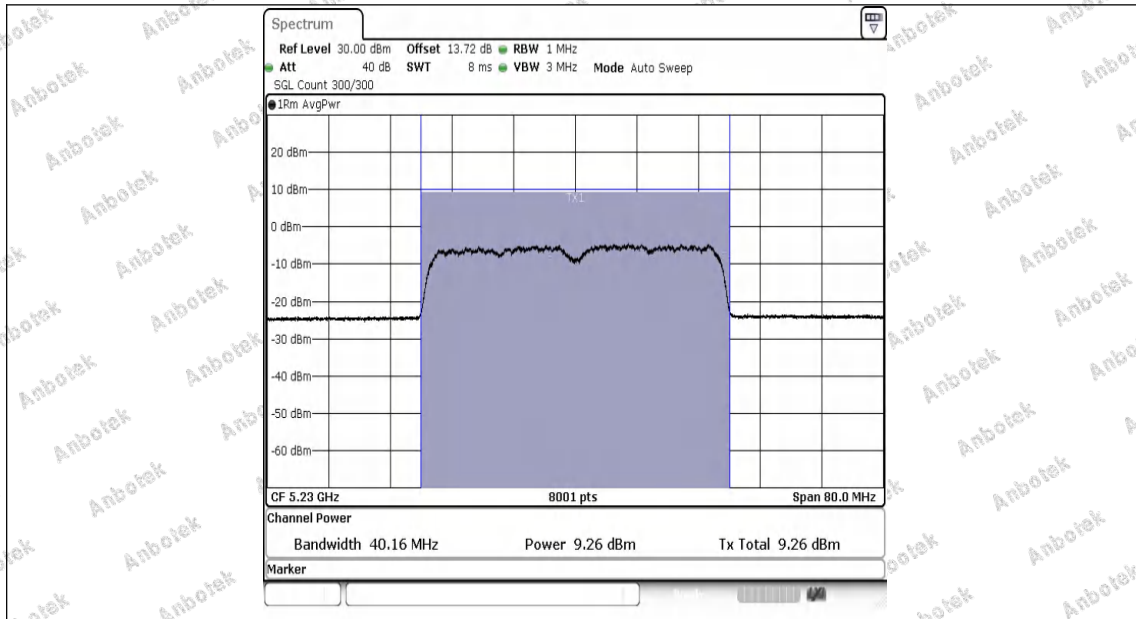
11AX40MIMO-Ant1-5190-PASS



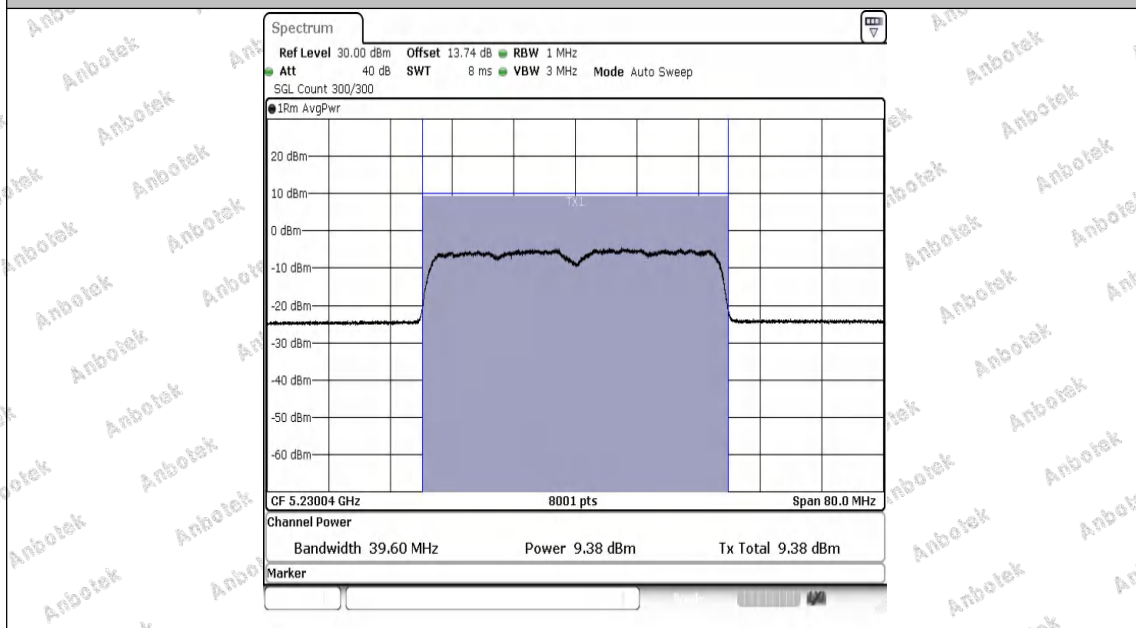
11AX40MIMO-Ant2-5190-PASS





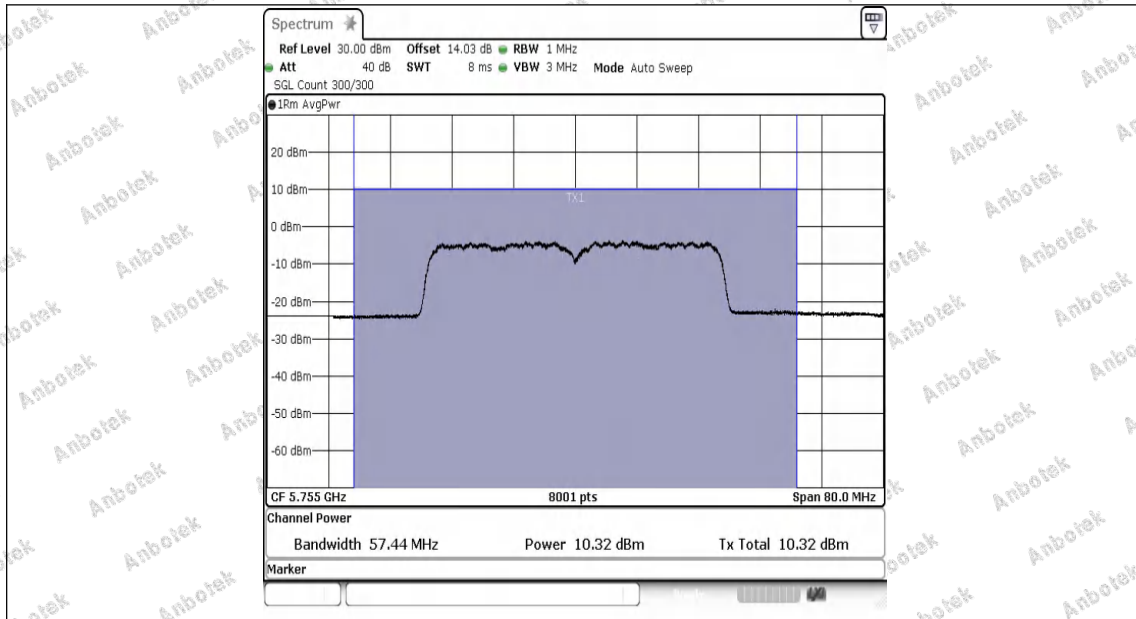


11AX40MIMO-Ant1-5230-PASS

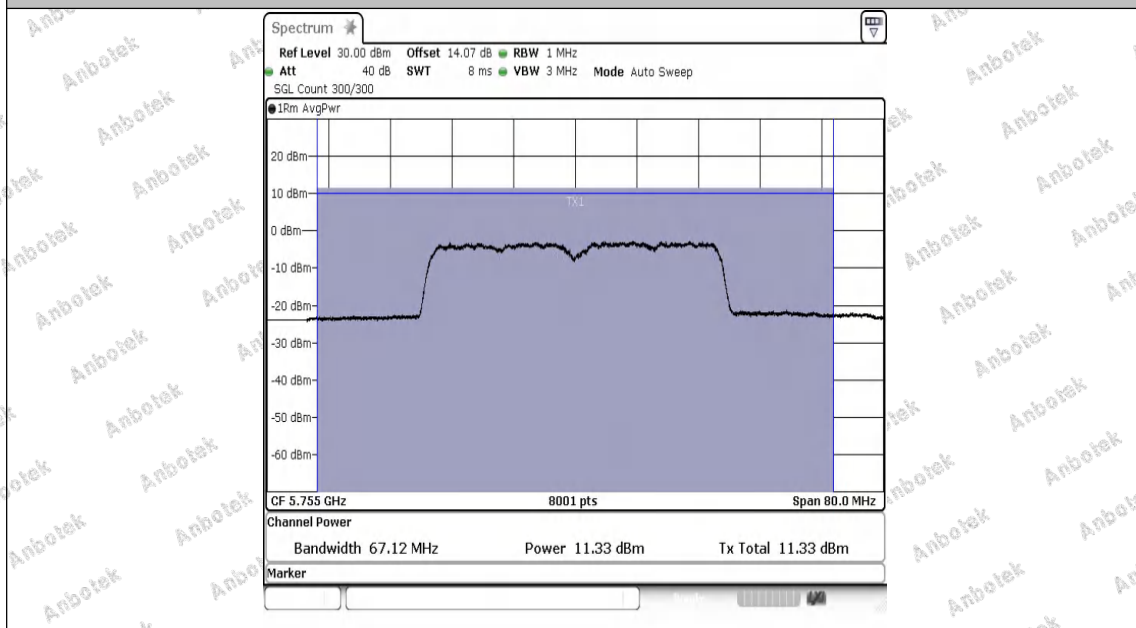


11AX40MIMO-Ant2-5230-PASS



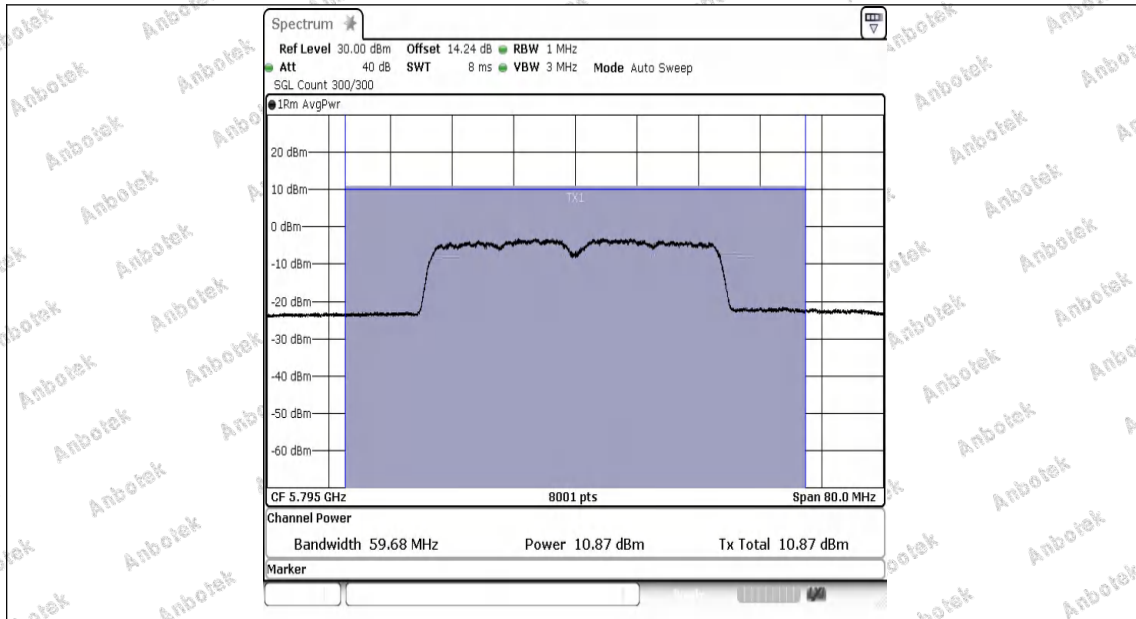


11AX40MIMO-Ant1-5755-PASS

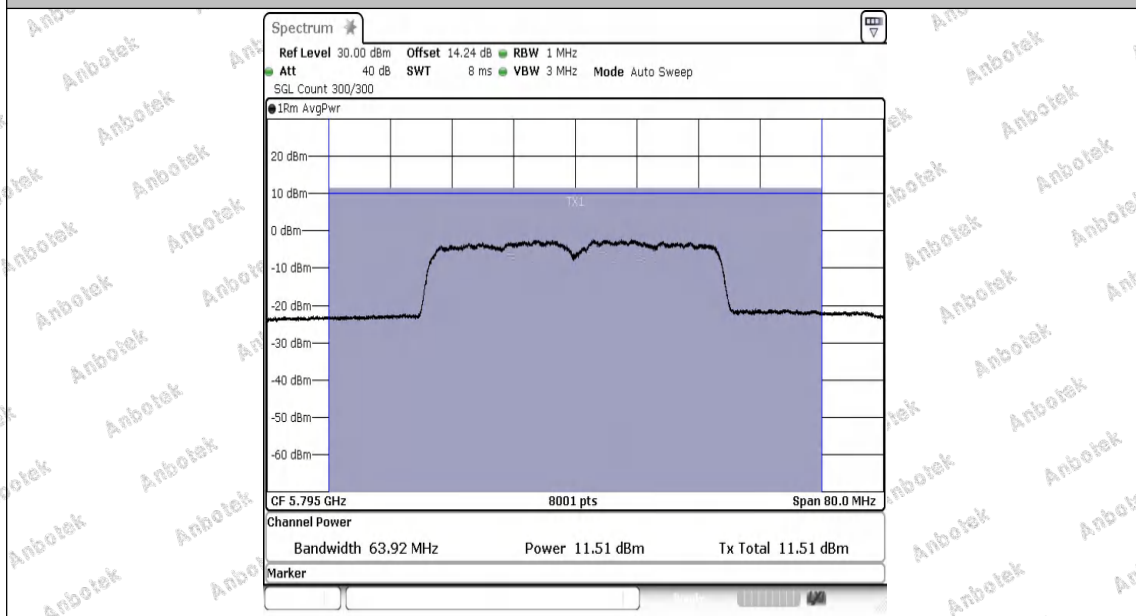


11AX40MIMO-Ant2-5755-PASS





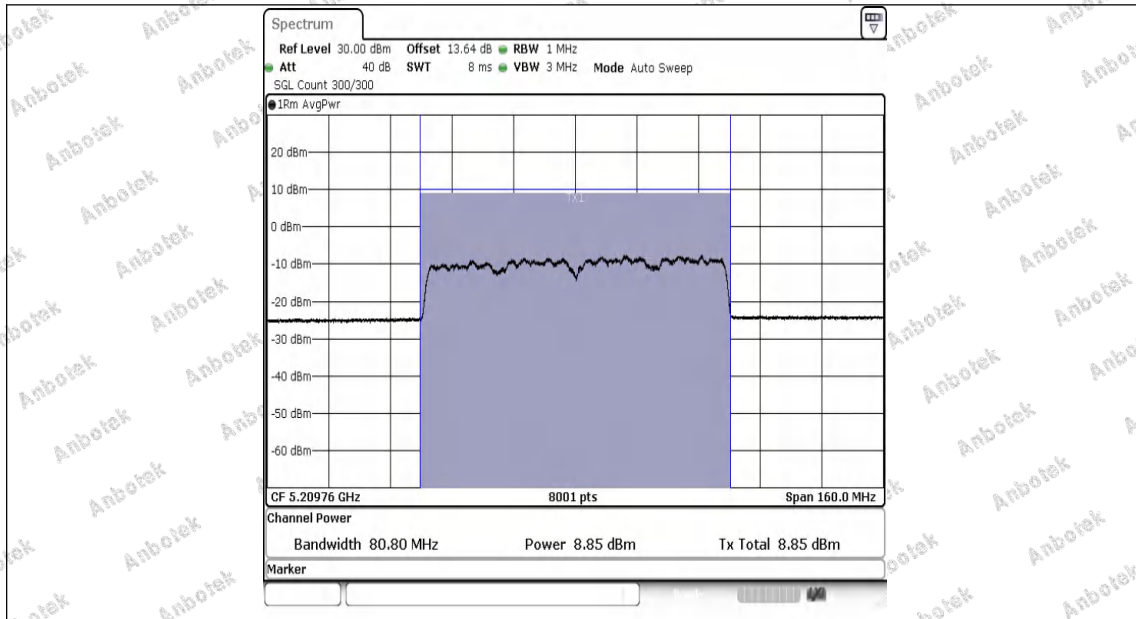
11AX40MIMO-Ant1-5795-PASS



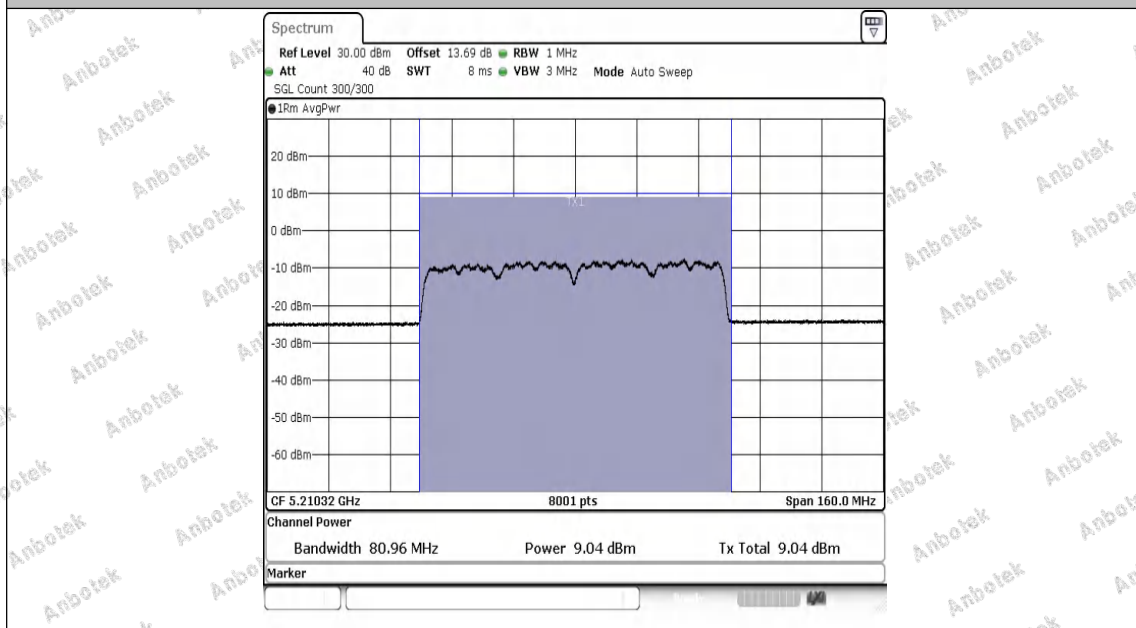
11AX40MIMO-Ant2-5795-PASS





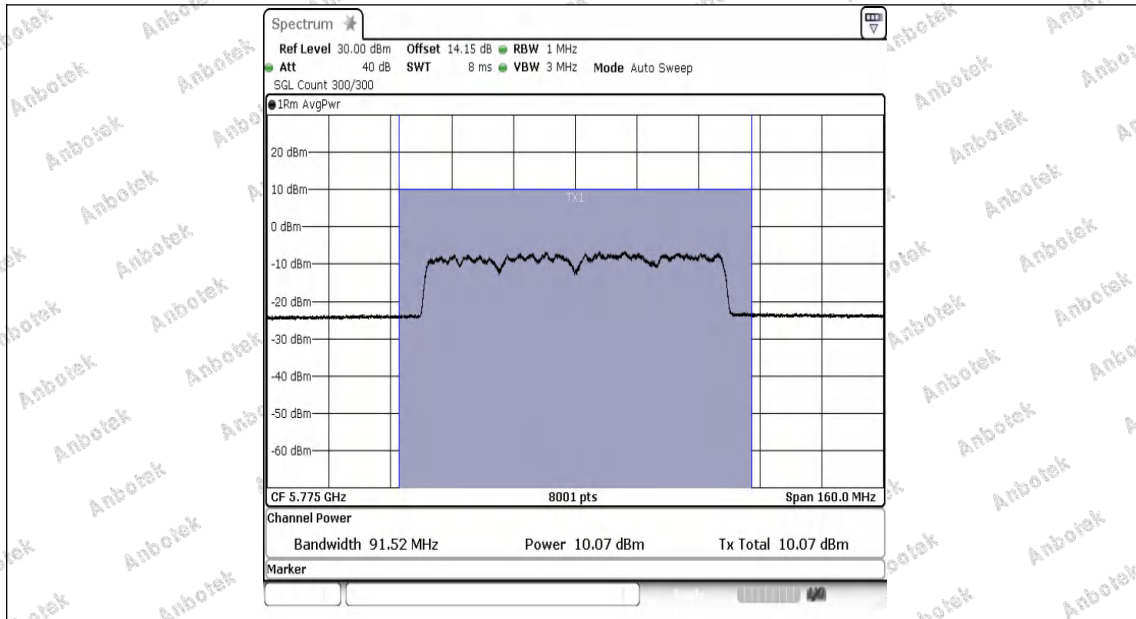


11AX80MIMO-Ant1-5210-PASS

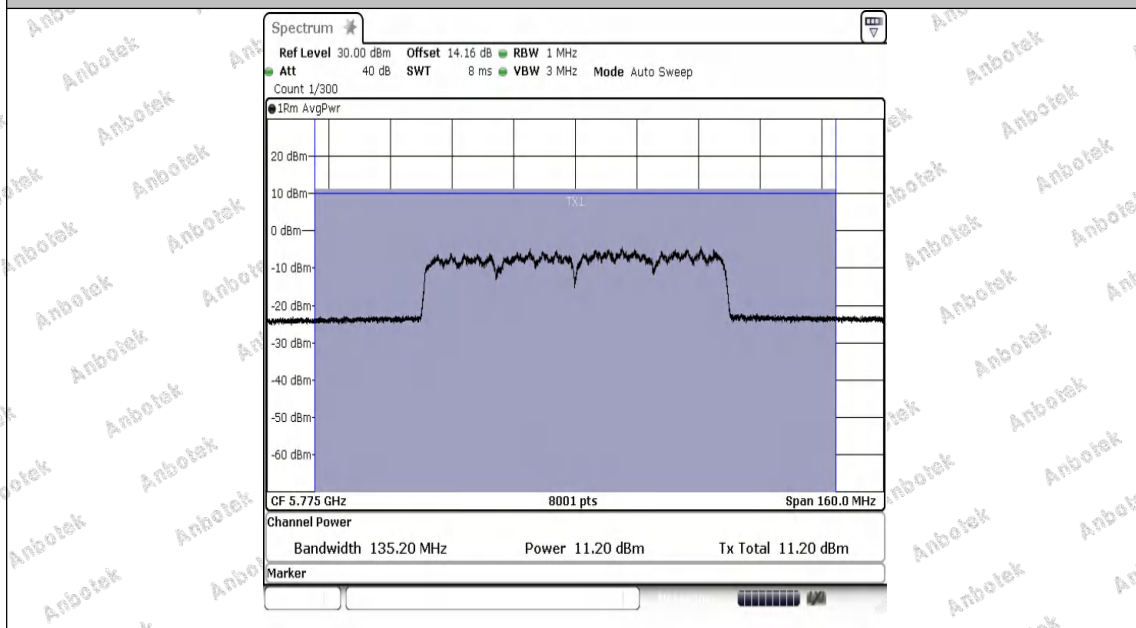


11AX80MIMO-Ant2-5210-PASS





11AX80MIMO-Ant1-5775-PASS



11AX80MIMO-Ant2-5775-PASS



## Appendix D: Maximum power spectral density

### Test Result-B1

TestMode	Antenna	Frequency[MHz]	Reading Result [dBm/MHz]	DC Factor [dB]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.36	2.01	3.37	≤11.00	PASS
11A	Ant2	5180	0.79	2.01	2.80	≤11.00	PASS
11A	Ant1	5200	1.48	1.92	3.40	≤11.00	PASS
11A	Ant2	5200	1.69	2.01	3.70	≤11.00	PASS
11A	Ant1	5240	0.88	2.01	2.89	≤11.00	PASS
11A	Ant2	5240	0.80	2.01	2.81	≤11.00	PASS
11N20MIMO	Ant1	5180	-6.33	9.54	3.21	≤11.00	PASS
11N20MIMO	Ant2	5180	1.00	2.11	3.11	≤11.00	PASS
11N20MIMO	total	5180	---	---	6.17	≤11.00	PASS
11N20MIMO	Ant1	5200	-4.89	9.54	4.65	≤11.00	PASS
11N20MIMO	Ant2	5200	1.05	2.11	3.16	≤11.00	PASS
11N20MIMO	total	5200	---	---	6.98	≤11.00	PASS
11N20MIMO	Ant1	5240	-4.95	9.38	4.43	≤11.00	PASS
11N20MIMO	Ant2	5240	1.23	2.01	3.24	≤11.00	PASS
11N20MIMO	total	5240	---	---	6.89	≤11.00	PASS
11N40MIMO	Ant1	5190	-3.99	3.01	-0.98	≤11.00	PASS
11N40MIMO	Ant2	5190	-3.89	3.01	-0.88	≤11.00	PASS
11N40MIMO	total	5190	---	---	2.08	≤11.00	PASS
11N40MIMO	Ant1	5230	-12.59	3.01	-9.58	≤11.00	PASS
11N40MIMO	Ant2	5230	-4.50	3.01	-1.49	≤11.00	PASS
11N40MIMO	total	5230	---	---	-0.86	≤11.00	PASS
11AC20MIMO	Ant1	5180	-3.27	9.21	5.94	≤11.00	PASS
11AC20MIMO	Ant2	5180	1.91	2.22	4.13	≤11.00	PASS
11AC20MIMO	total	5180	---	---	8.14	≤11.00	PASS
11AC20MIMO	Ant1	5200	-6.09	9.21	3.12	≤11.00	PASS
11AC20MIMO	Ant2	5200	1.11	2.22	3.33	≤11.00	PASS
11AC20MIMO	total	5200	---	---	6.24	≤11.00	PASS
11AC20MIMO	Ant1	5240	-5.72	9.21	3.49	≤11.00	PASS
11AC20MIMO	Ant2	5240	0.41	2.22	2.63	≤11.00	PASS
11AC20MIMO	total	5240	---	---	6.09	≤11.00	PASS
11AC40MIMO	Ant1	5190	-4.61	3.52	-1.09	≤11.00	PASS
11AC40MIMO	Ant2	5190	-4.94	3.52	-1.42	≤11.00	PASS
11AC40MIMO	total	5190	---	---	1.76	≤11.00	PASS
11AC40MIMO	Ant1	5230	-3.29	3.24	-0.05	≤11.00	PASS
11AC40MIMO	Ant2	5230	-5.26	3.52	-1.74	≤11.00	PASS

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11AC40MIMO	total	5230	---	---	2.20	≤11.00	PASS
11AC80MIMO	Ant1	5210	-7.88	4.26	-3.62	≤11.00	PASS
11AC80MIMO	Ant2	5210	-7.56	4.26	-3.30	≤11.00	PASS
11AC80MIMO	total	5210	---	---	-0.45	≤11.00	PASS
11AX20MIMO	Ant1	5180	-0.50	2.63	2.13	≤11.00	PASS
11AX20MIMO	Ant2	5180	0.19	2.63	2.82	≤11.00	PASS
11AX20MIMO	total	5180	---	---	5.50	≤11.00	PASS
11AX20MIMO	Ant1	5200	-1.24	2.63	1.39	≤11.00	PASS
11AX20MIMO	Ant2	5200	-1.38	2.63	1.25	≤11.00	PASS
11AX20MIMO	total	5200	---	---	4.33	≤11.00	PASS
11AX20MIMO	Ant1	5240	-0.38	2.63	2.25	≤11.00	PASS
11AX20MIMO	Ant2	5240	-0.49	2.63	2.14	≤11.00	PASS
11AX20MIMO	total	5240	---	---	5.21	≤11.00	PASS
11AX40MIMO	Ant1	5190	-4.61	3.24	-1.37	≤11.00	PASS
11AX40MIMO	Ant2	5190	-4.06	3.24	-0.82	≤11.00	PASS
11AX40MIMO	total	5190	---	---	1.92	≤11.00	PASS
11AX40MIMO	Ant1	5230	-5.60	3.24	-2.36	≤11.00	PASS
11AX40MIMO	Ant2	5230	-4.44	3.24	-1.20	≤11.00	PASS
11AX40MIMO	total	5230	---	---	1.27	≤11.00	PASS
11AX80MIMO	Ant1	5210	-7.80	3.27	-4.53	≤11.00	PASS
11AX80MIMO	Ant2	5210	-7.07	3.52	-3.55	≤11.00	PASS
11AX80MIMO	total	5210	---	---	-1.00	≤11.00	PASS

Note: 1. The The cable loss is compensated in the graph.

2. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20}) / 2 / N_{ANT}]$  dBi= 5.19 < 6dBi,  
so limit=11dBm/MHz.

3. NOTE: MIMO=  $10 * \log((10^{ANT1}/10) + 10^{(ANT2/10)})$

## Test Result-B4

TestMode	Antenna	Frequency[MHz]	Reading Result [dBm/MHz]	DC Factor [dB]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-0.29	1.92	1.63	≤30.00	PASS
11A	Ant2	5745	-0.28	2.01	1.73	≤30.00	PASS
11A	Ant1	5785	0.25	1.92	2.17	≤30.00	PASS
11A	Ant2	5785	-0.23	2.01	1.78	≤30.00	PASS
11A	Ant1	5825	0.49	1.92	2.41	≤30.00	PASS
11A	Ant2	5825	-0.26	2.01	1.75	≤30.00	PASS
11N20MIMO	Ant1	5745	-6.21	9.38	3.17	≤30.00	PASS
11N20MIMO	Ant2	5745	0.15	2.11	2.26	≤30.00	PASS
11N20MIMO	total	5745	---	---	5.75	≤30.00	PASS
11N20MIMO	Ant1	5785	-5.36	9.54	4.18	≤30.00	PASS



11N20MIMO	Ant2	5785	0.10	2.11	2.21	≤30.00	PASS
11N20MIMO	total	5785	---	---	6.32	≤30.00	PASS
11N20MIMO	Ant1	5825	-4.58	9.38	4.80	≤30.00	PASS
11N20MIMO	Ant2	5825	0.04	2.11	2.15	≤30.00	PASS
11N20MIMO	total	5825	---	---	6.68	≤30.00	PASS
11N40MIMO	Ant1	5755	-5.45	3.01	-2.44	≤30.00	PASS
11N40MIMO	Ant2	5755	-5.09	3.01	-2.08	≤30.00	PASS
11N40MIMO	total	5755	---	---	0.75	≤30.00	PASS
11N40MIMO	Ant1	5795	-5.25	3.01	-2.24	≤30.00	PASS
11N40MIMO	Ant2	5795	-5.34	3.01	-2.33	≤30.00	PASS
11N40MIMO	total	5795	---	---	0.73	≤30.00	PASS
11AC20MIMO	Ant1	5745	-4.90	9.21	4.31	≤30.00	PASS
11AC20MIMO	Ant2	5745	-0.35	2.22	1.87	≤30.00	PASS
11AC20MIMO	total	5745	---	---	6.27	≤30.00	PASS
11AC20MIMO	Ant1	5785	-4.05	9.21	5.16	≤30.00	PASS
11AC20MIMO	Ant2	5785	-0.11	2.22	2.11	≤30.00	PASS
11AC20MIMO	total	5785	---	---	6.91	≤30.00	PASS
11AC20MIMO	Ant1	5825	-6.66	9.21	2.55	≤30.00	PASS
11AC20MIMO	Ant2	5825	-0.11	2.22	2.11	≤30.00	PASS
11AC20MIMO	total	5825	---	---	5.35	≤30.00	PASS
11AC40MIMO	Ant1	5755	-5.62	3.01	-2.61	≤30.00	PASS
11AC40MIMO	Ant2	5755	-4.98	3.24	-1.74	≤30.00	PASS
11AC40MIMO	total	5755	---	---	0.86	≤30.00	PASS
11AC40MIMO	Ant1	5795	-5.93	3.52	-2.41	≤30.00	PASS
11AC40MIMO	Ant2	5795	-3.99	3.24	-0.75	≤30.00	PASS
11AC40MIMO	total	5795	---	---	1.51	≤30.00	PASS
11AC80MIMO	Ant1	5775	-8.75	3.85	-4.90	≤30.00	PASS
11AC80MIMO	Ant2	5775	-7.59	3.85	-3.74	≤30.00	PASS
11AC80MIMO	total	5775	---	---	-1.27	≤30.00	PASS
11AX20MIMO	Ant1	5745	-2.59	2.63	0.04	≤30.00	PASS
11AX20MIMO	Ant2	5745	-1.30	2.63	1.33	≤30.00	PASS
11AX20MIMO	total	5745	---	---	3.74	≤30.00	PASS
11AX20MIMO	Ant1	5785	-2.13	2.63	0.50	≤30.00	PASS
11AX20MIMO	Ant2	5785	-1.78	2.63	0.85	≤30.00	PASS
11AX20MIMO	total	5785	---	---	3.69	≤30.00	PASS
11AX20MIMO	Ant1	5825	-2.71	2.63	-0.08	≤30.00	PASS
11AX20MIMO	Ant2	5825	-0.88	2.63	1.75	≤30.00	PASS
11AX20MIMO	total	5825	---	---	3.94	≤30.00	PASS
11AX40MIMO	Ant1	5755	-6.43	3.24	-3.19	≤30.00	PASS
11AX40MIMO	Ant2	5755	-5.34	3.24	-2.10	≤30.00	PASS
11AX40MIMO	total	5755	---	---	0.40	≤30.00	PASS

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11AX40MIMO	Ant1	5795	-5.24	3.24	-2.00	≤30.00	PASS
11AX40MIMO	Ant2	5795	-4.12	3.52	-0.60	≤30.00	PASS
11AX40MIMO	total	5795	---	---	1.77	≤30.00	PASS
11AX80MIMO	Ant1	5775	-9.38	3.52	-5.86	≤30.00	PASS
11AX80MIMO	Ant2	5775	-7.28	3.52	-3.76	≤30.00	PASS
11AX80MIMO	total	5775	---	---	-1.67	≤30.00	PASS

Note: 1. The cable loss is compensated in the graph.

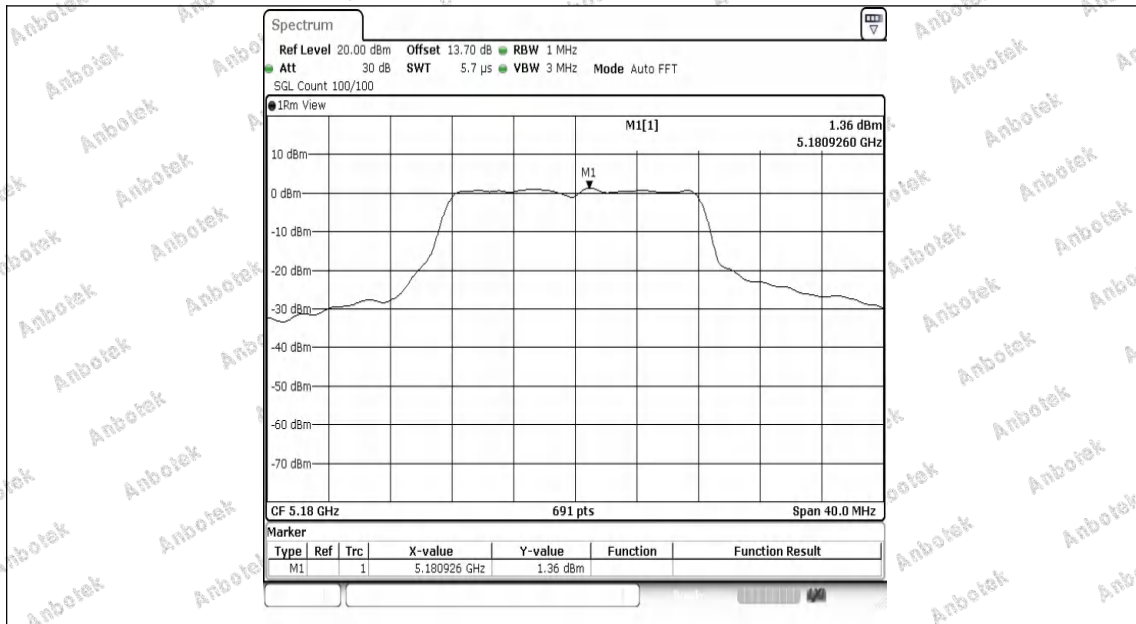
2. As Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$  dBi = 5.53 < 6dBi,  
so limit=30dBm/500kHz.

3. NOTE: MIMO=  $10 * \log((10^{ANT1}/10) + 10^{(ANT2)/10})$

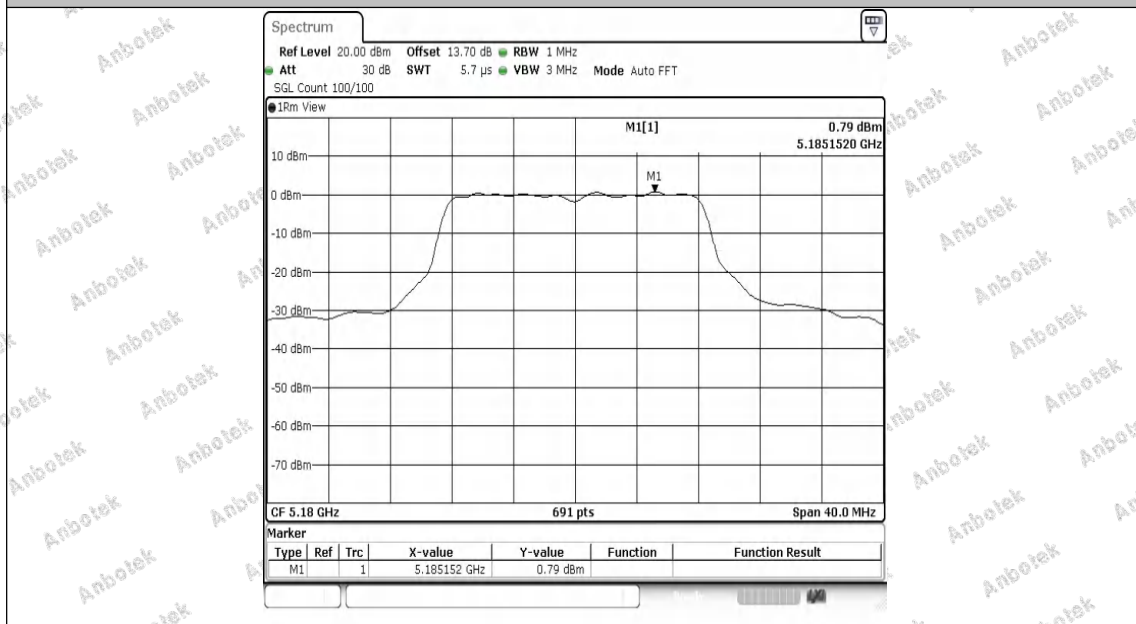




## Test Graphs

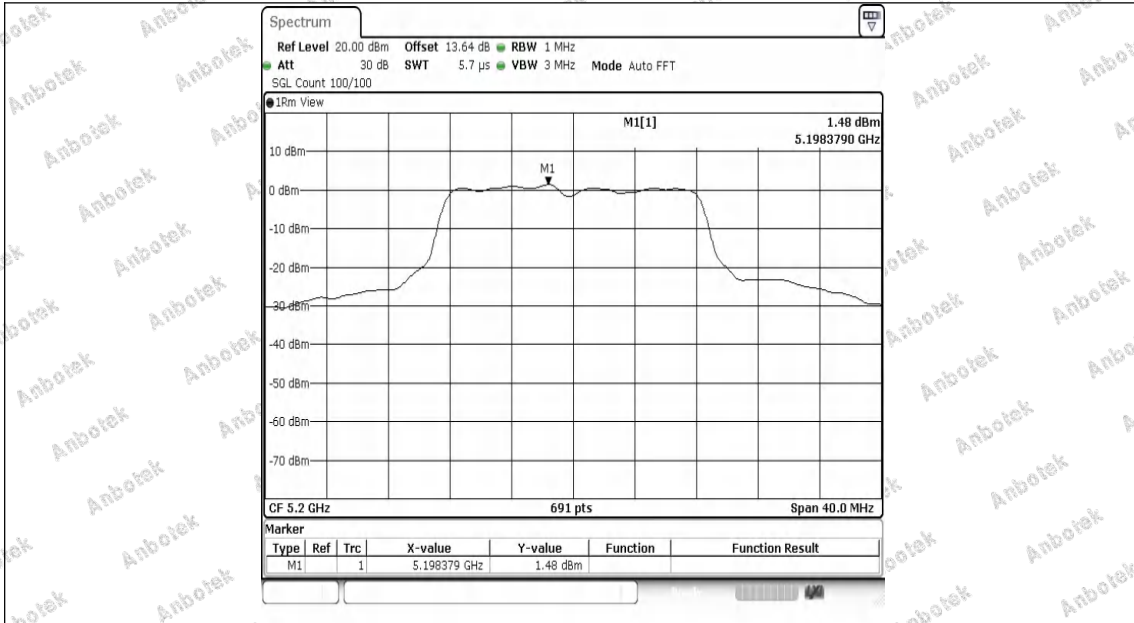


11A-Ant1-5180-PASS

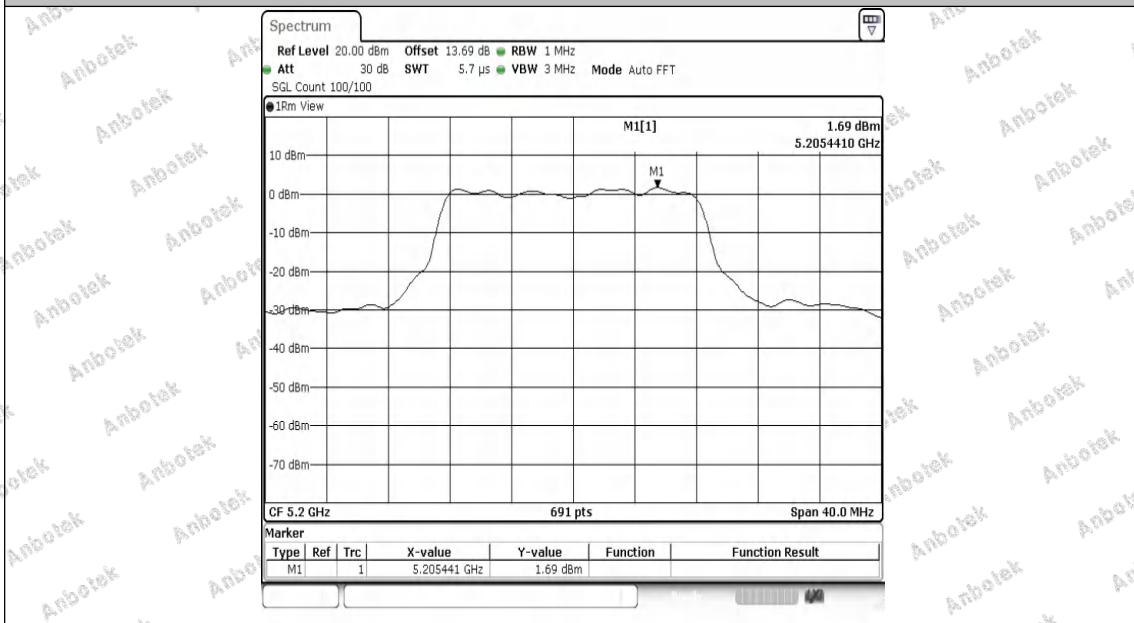


11A-Ant2-5180-PASS



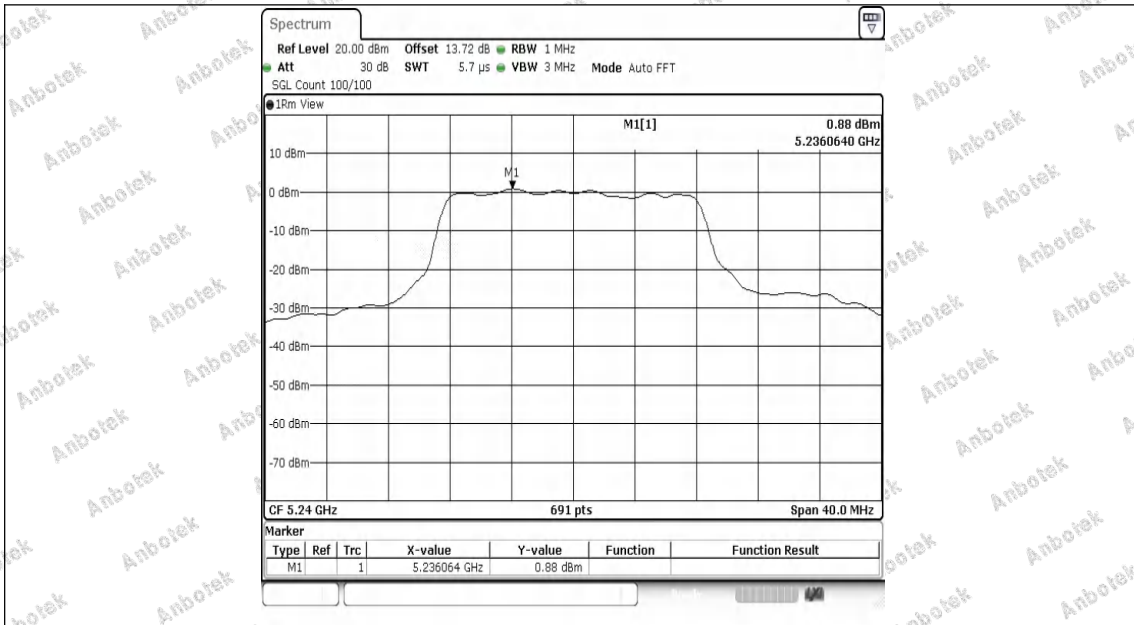


11A-Ant1-5200-PASS

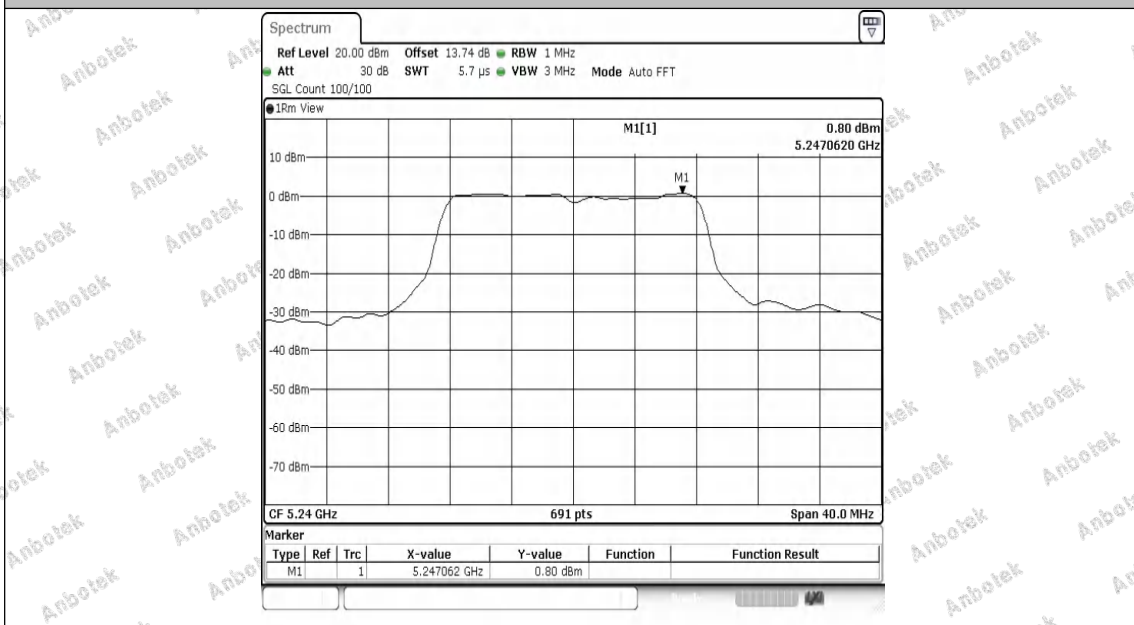


11A-Ant2-5200-PASS





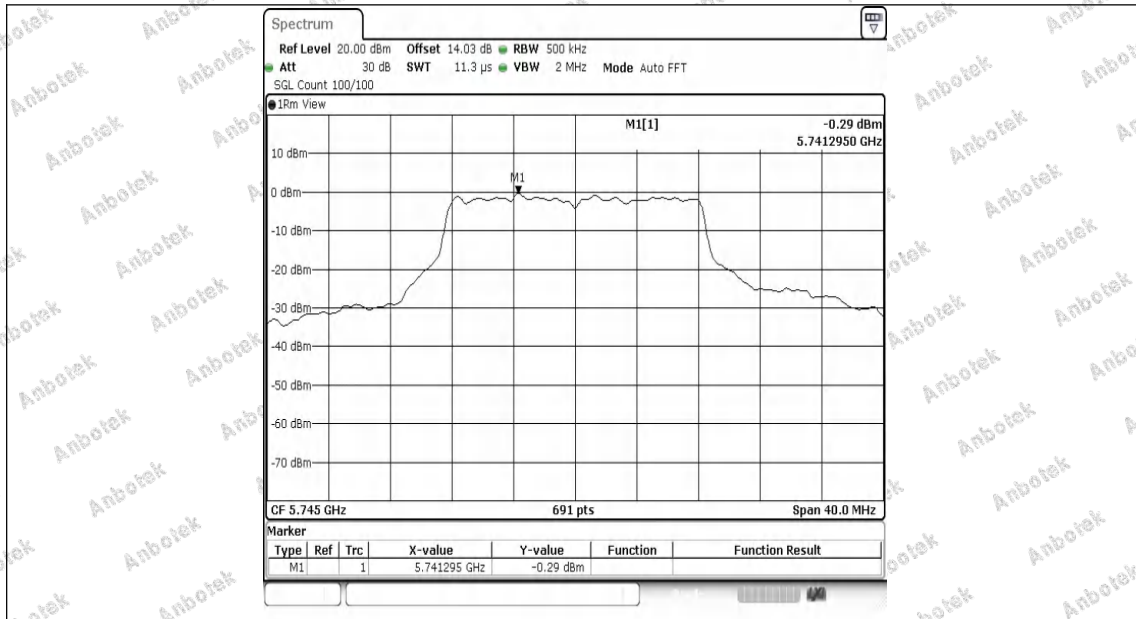
11A-Ant1-5240-PASS



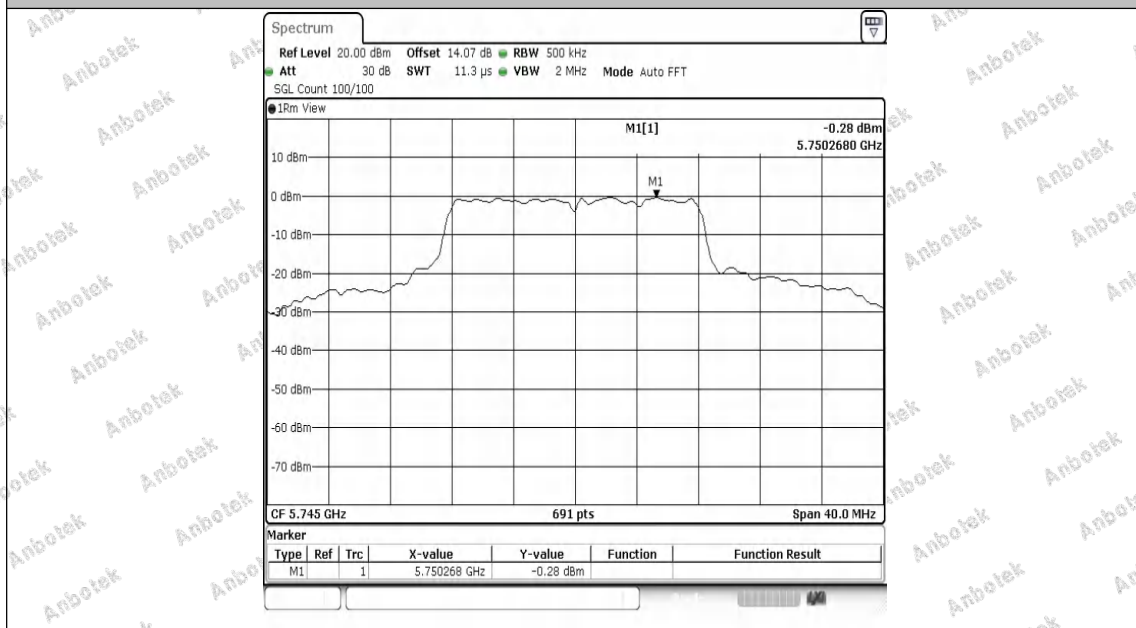
11A-Ant2-5240-PASS





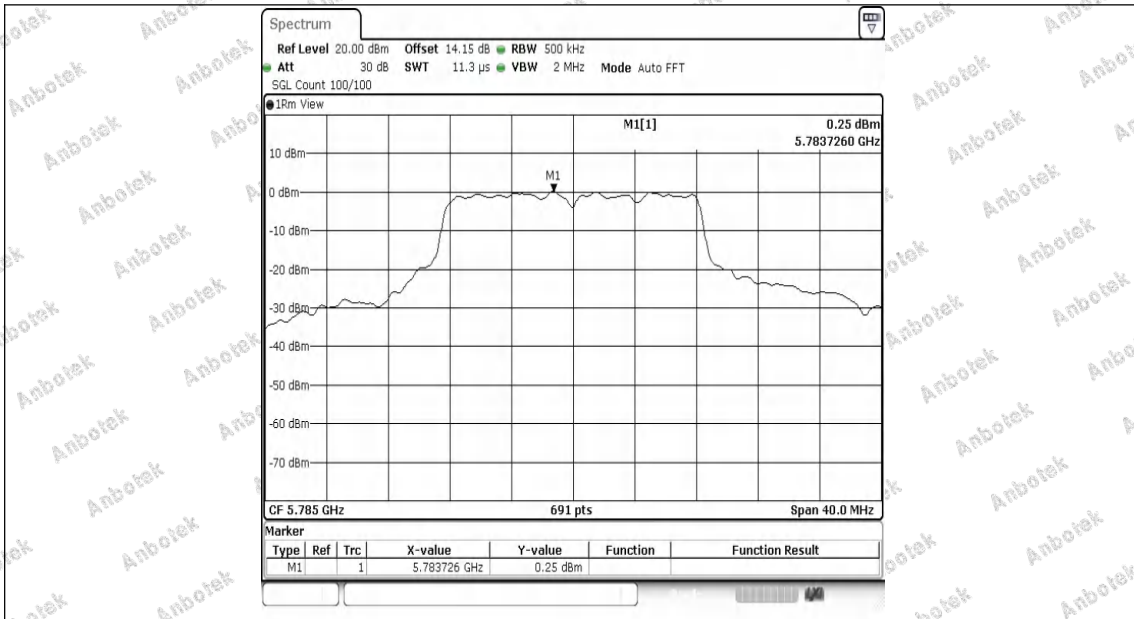


11A-Ant1-5745-PASS

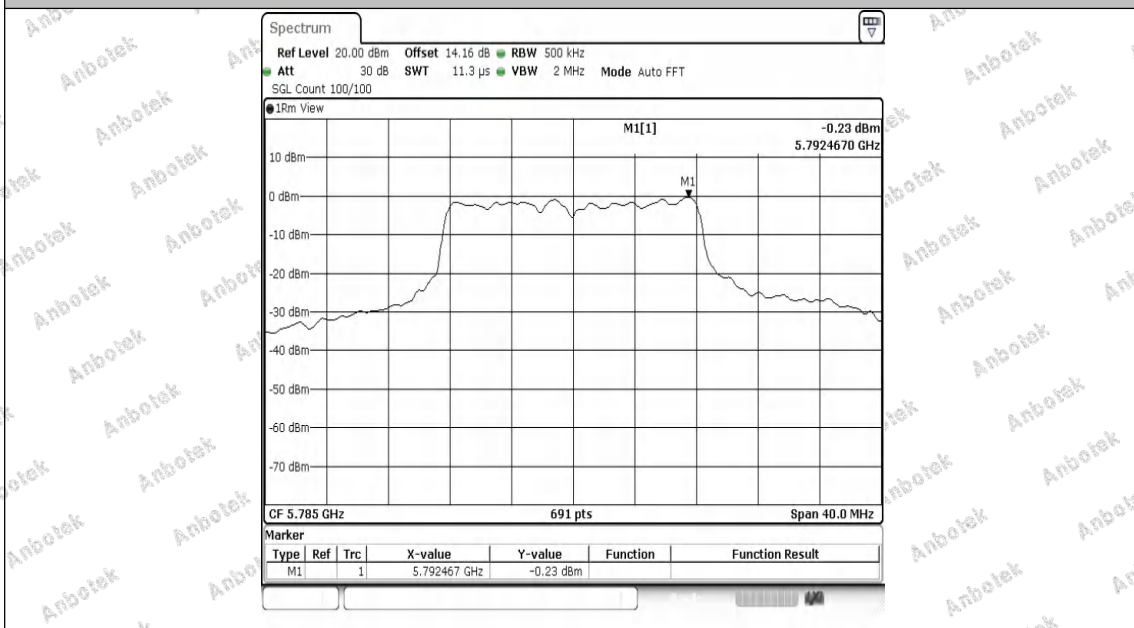


11A-Ant2-5745-PASS



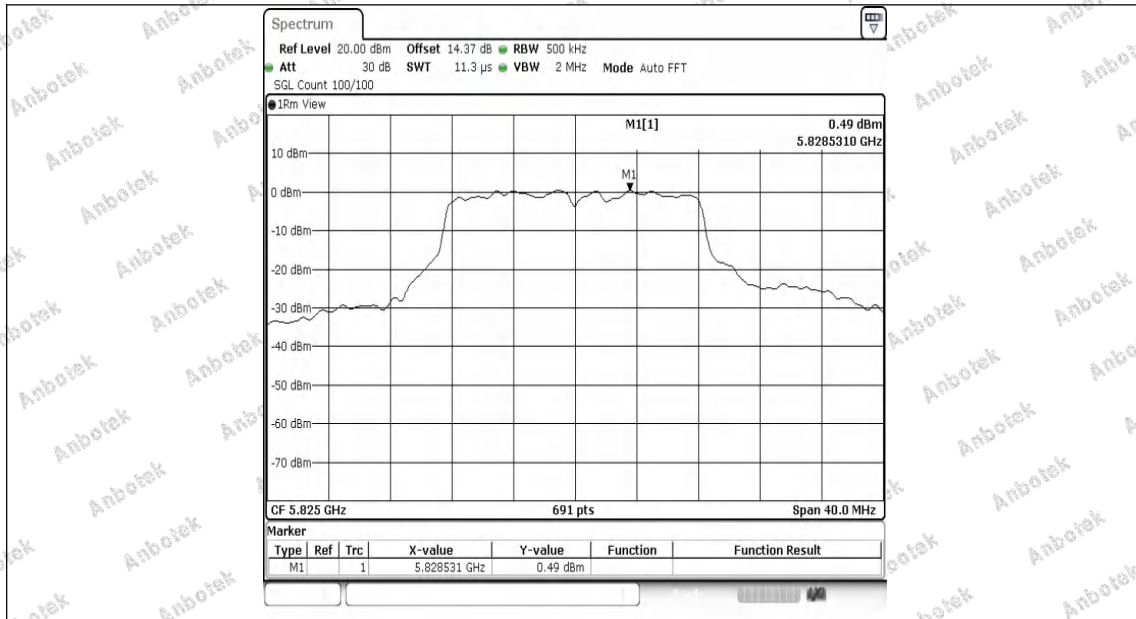


11A-Ant1-5785-PASS

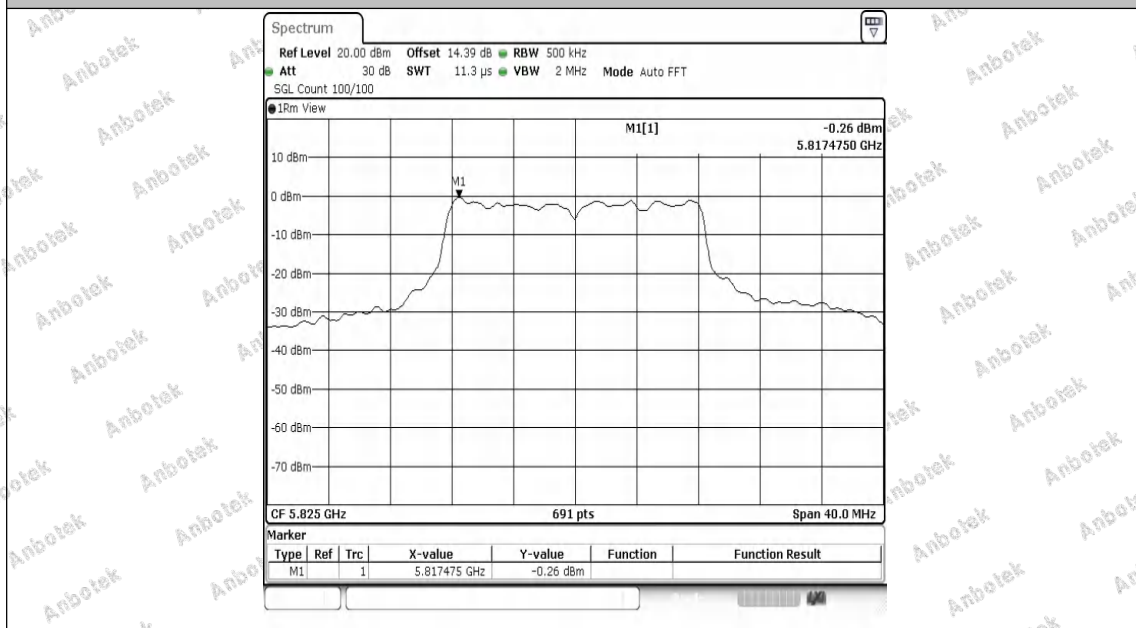


11A-Ant2-5785-PASS





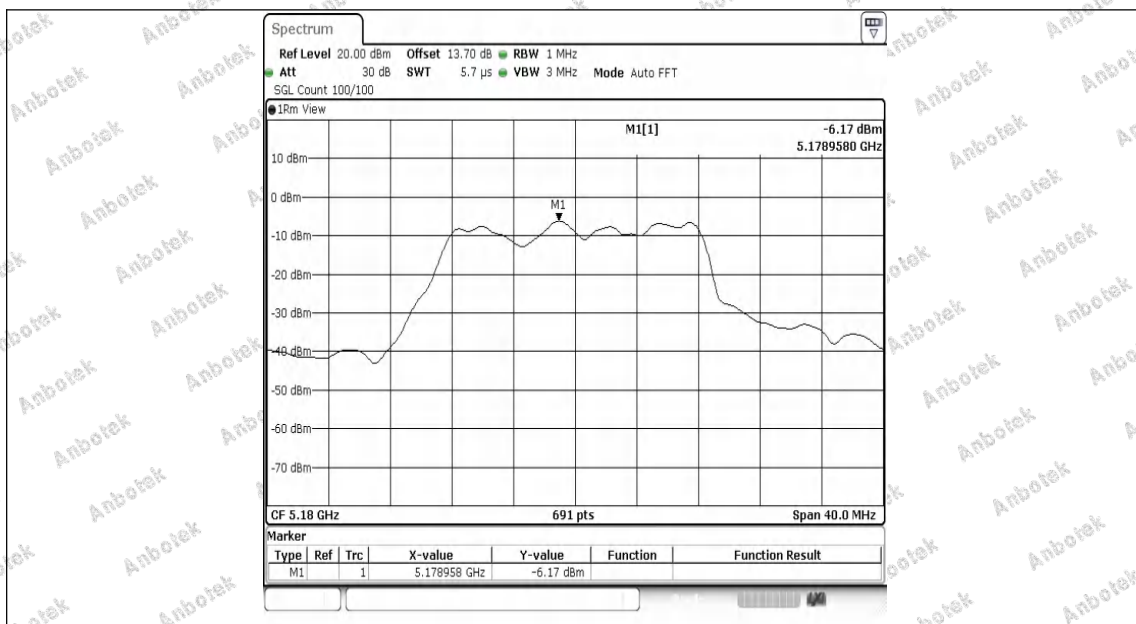
11A-Ant1-5825-PASS



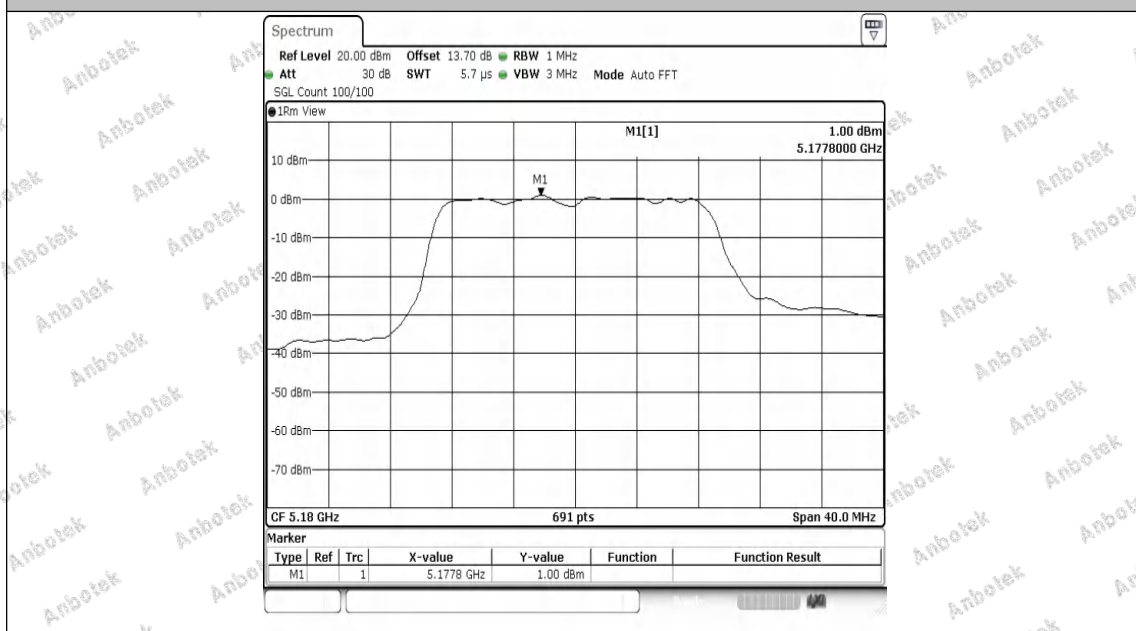
11A-Ant2-5825-PASS





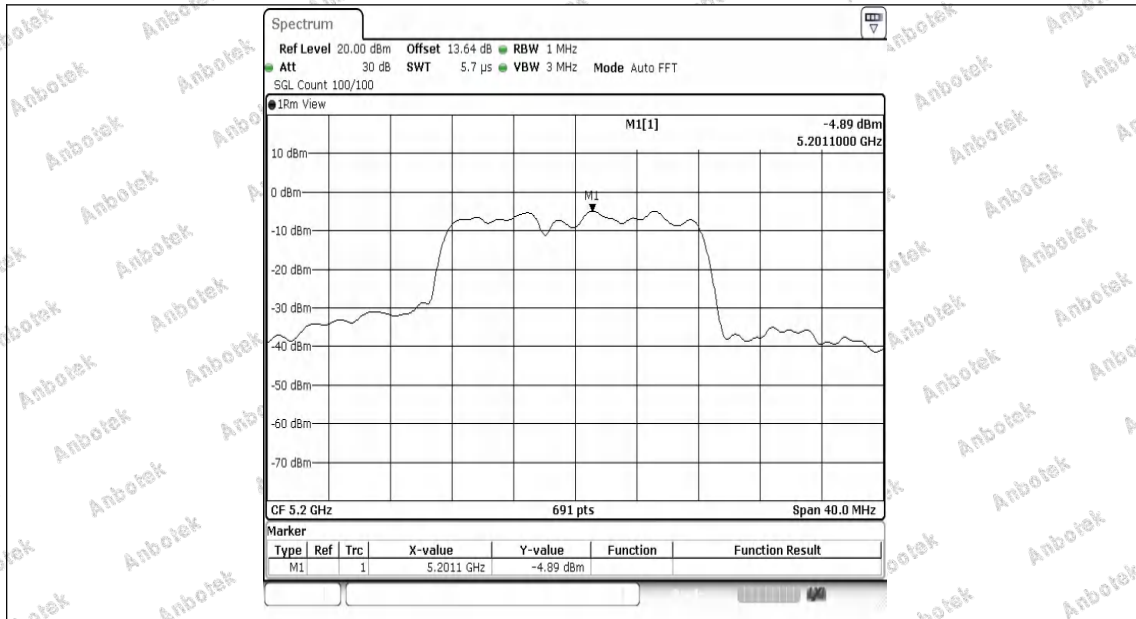


### 11N20MIMO-Ant1-5180-PASS

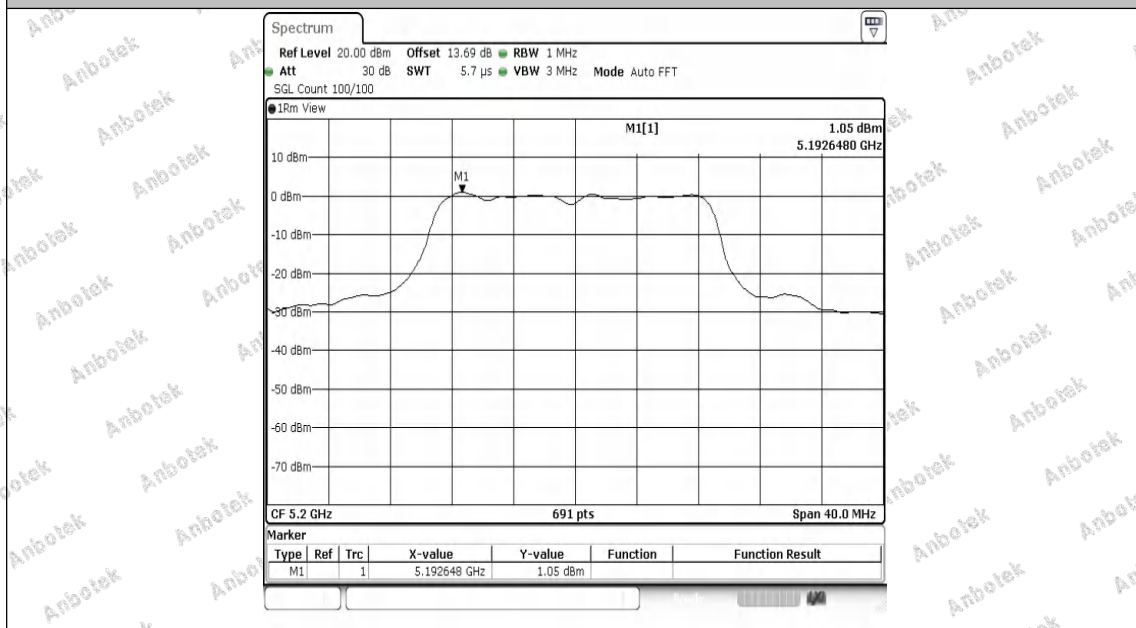


### 11N20MIMO-Ant2-5180-PASS



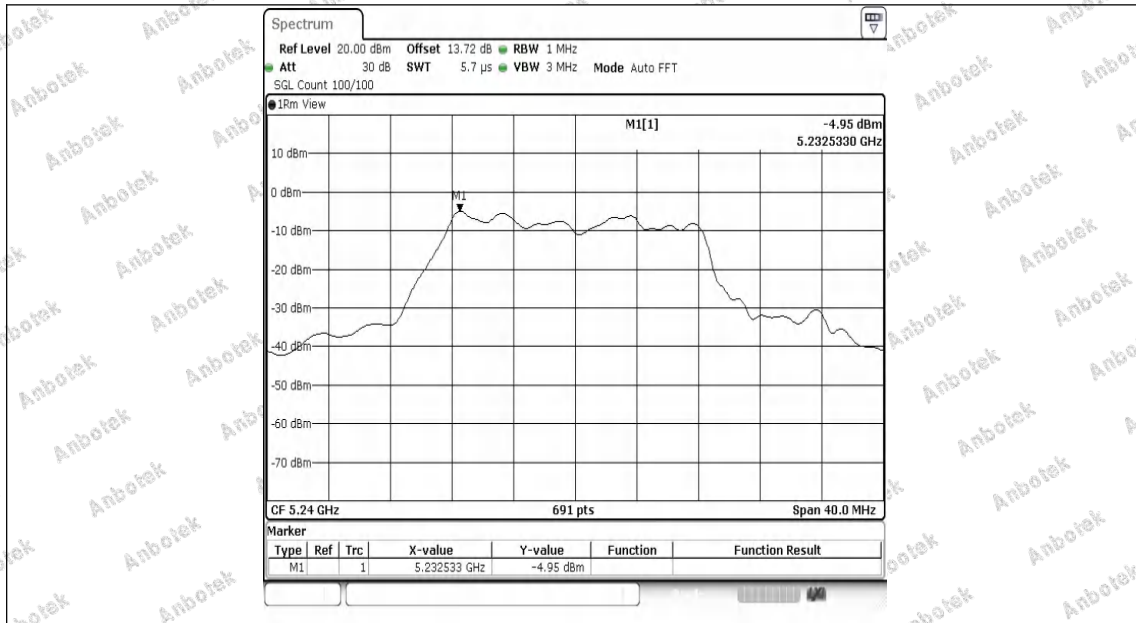


11N20MIMO-Ant1-5200-PASS

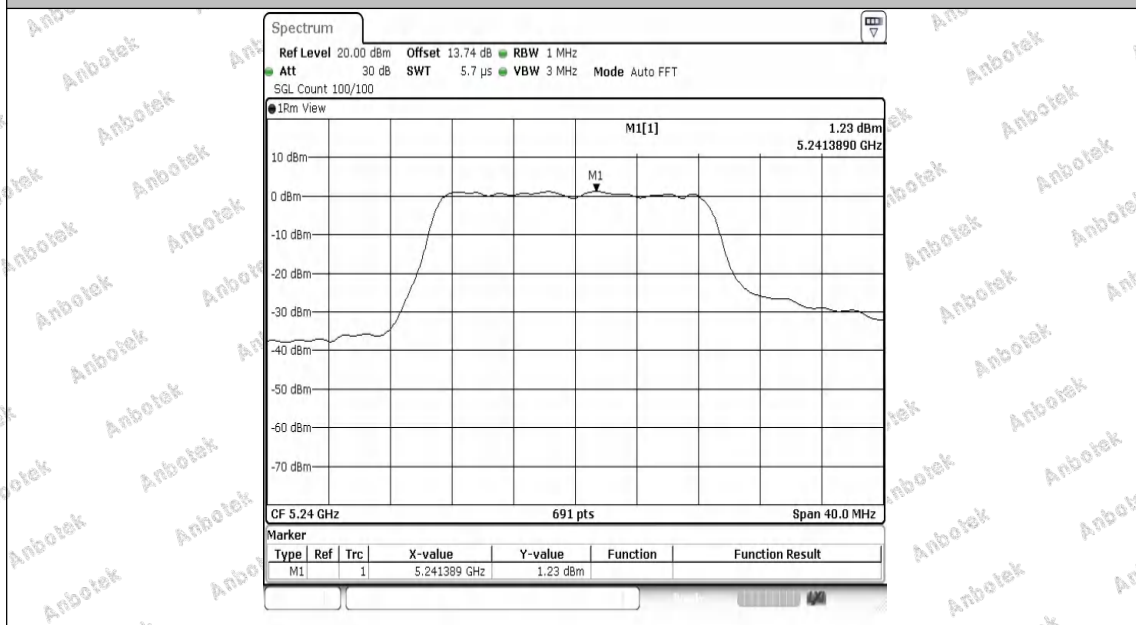


11N20MIMO-Ant2-5200-PASS





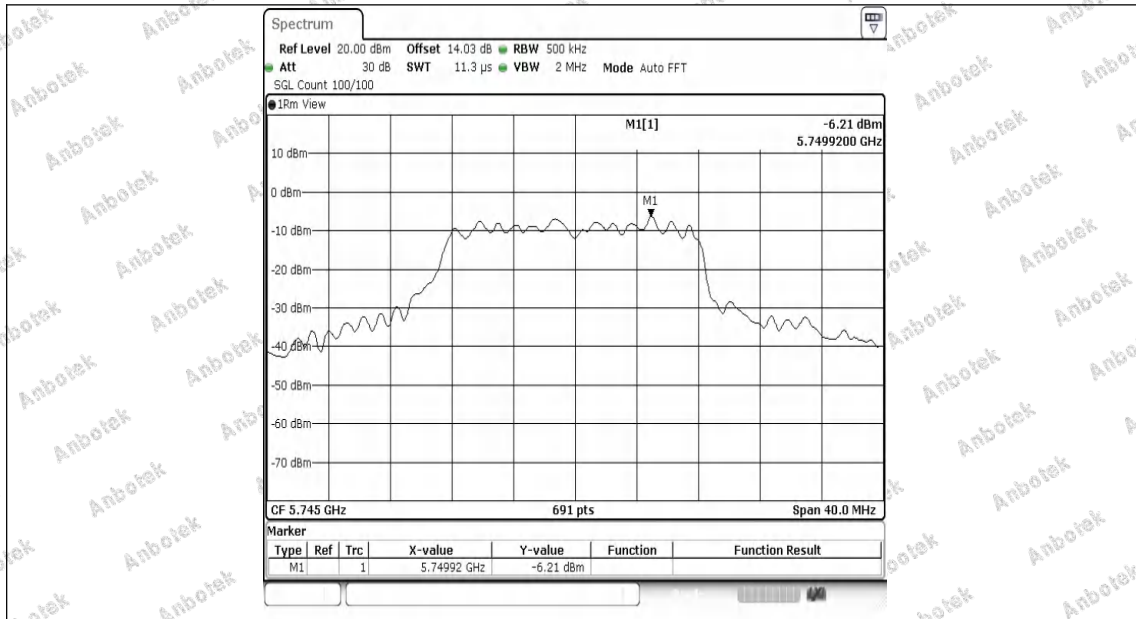
### 11N20MIMO-Ant1-5240-PASS



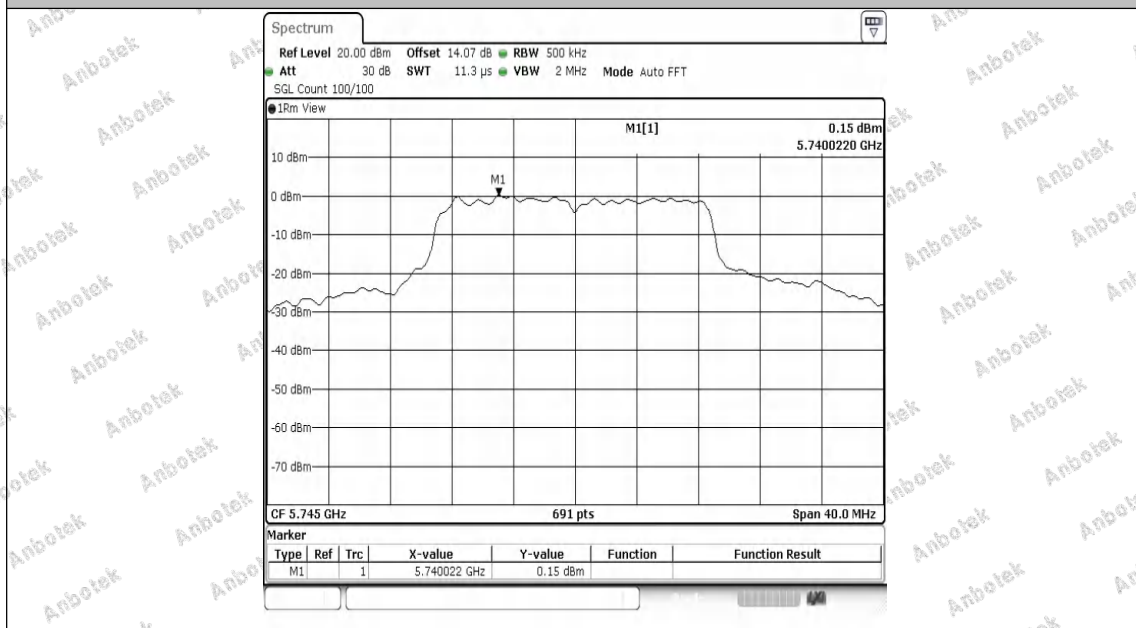
### 11N20MIMO-Ant2-5240-PASS





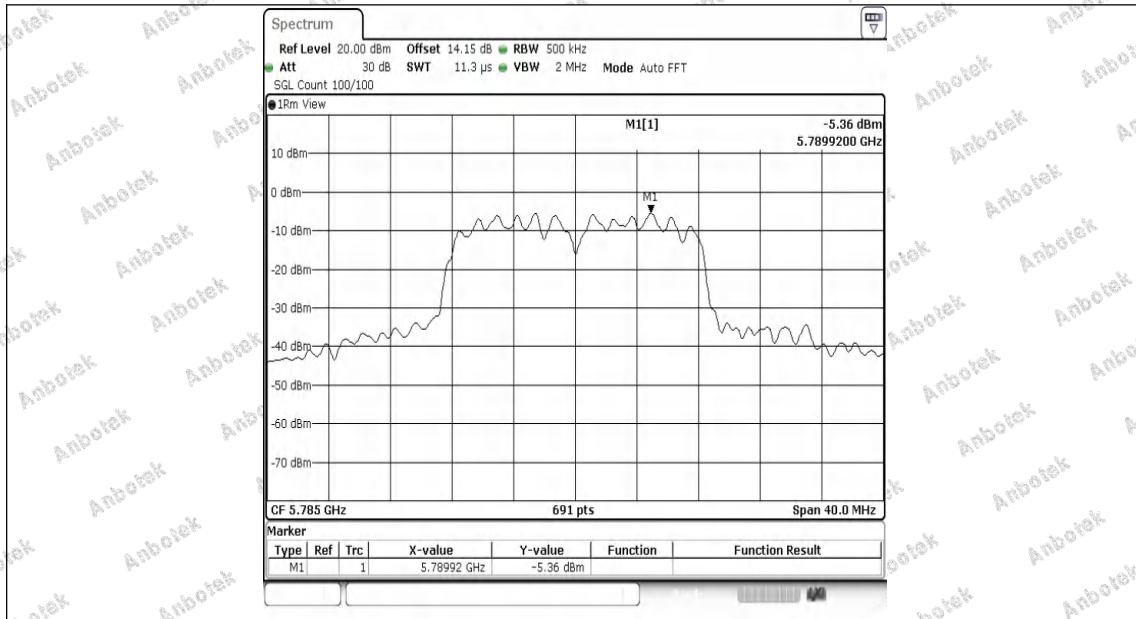


11N20MIMO-Ant1-5745-PASS

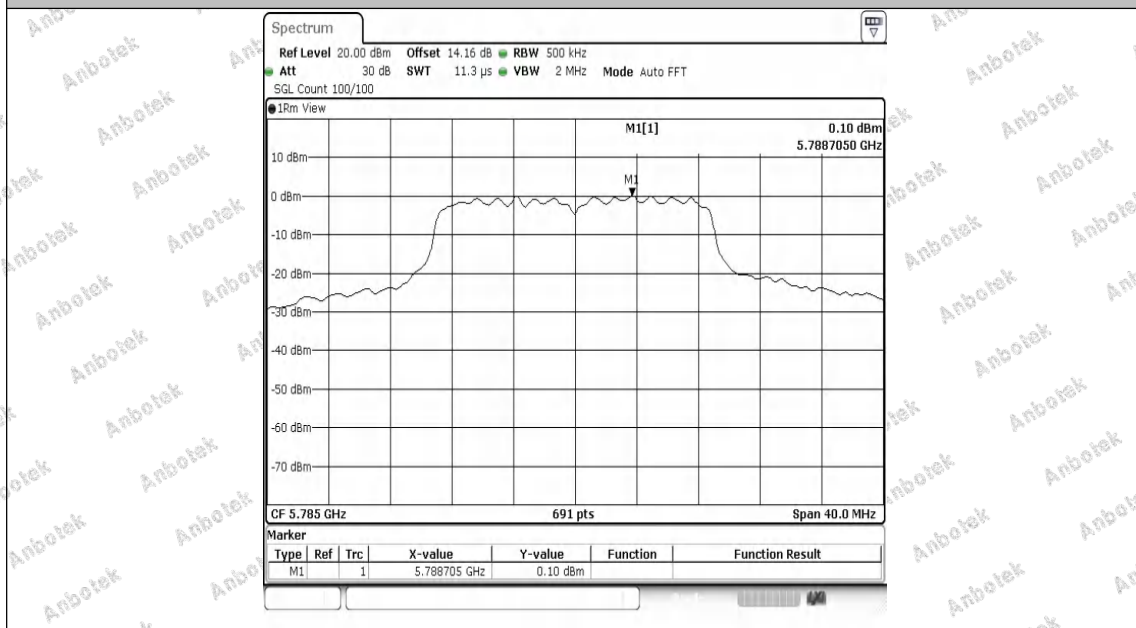


11N20MIMO-Ant2-5745-PASS



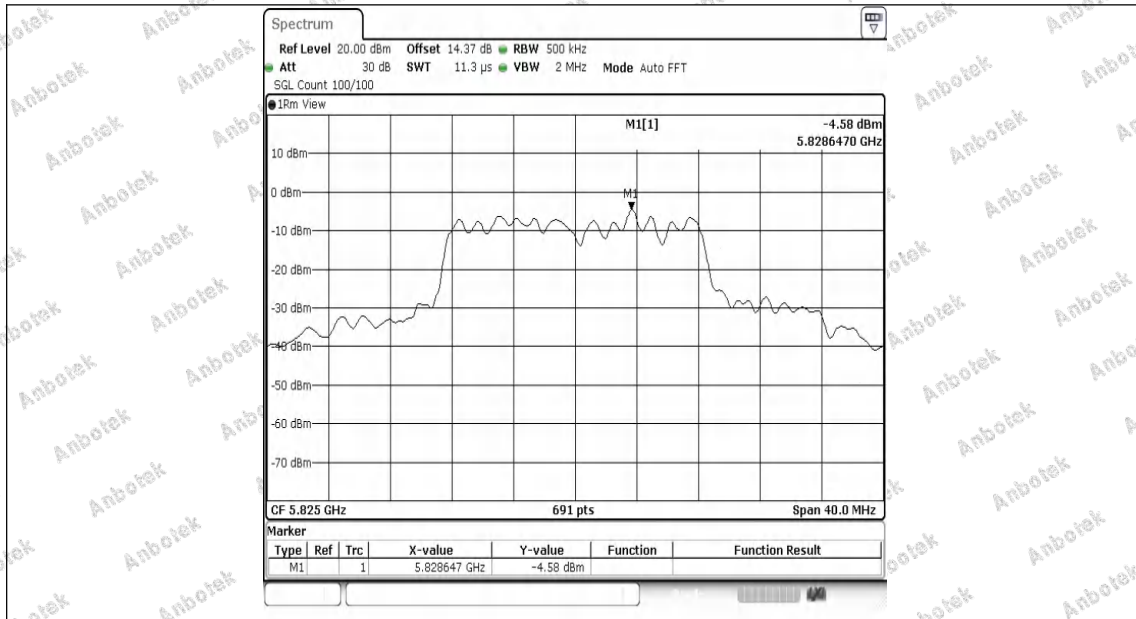


### 11N20MIMO-Ant1-5785-PASS

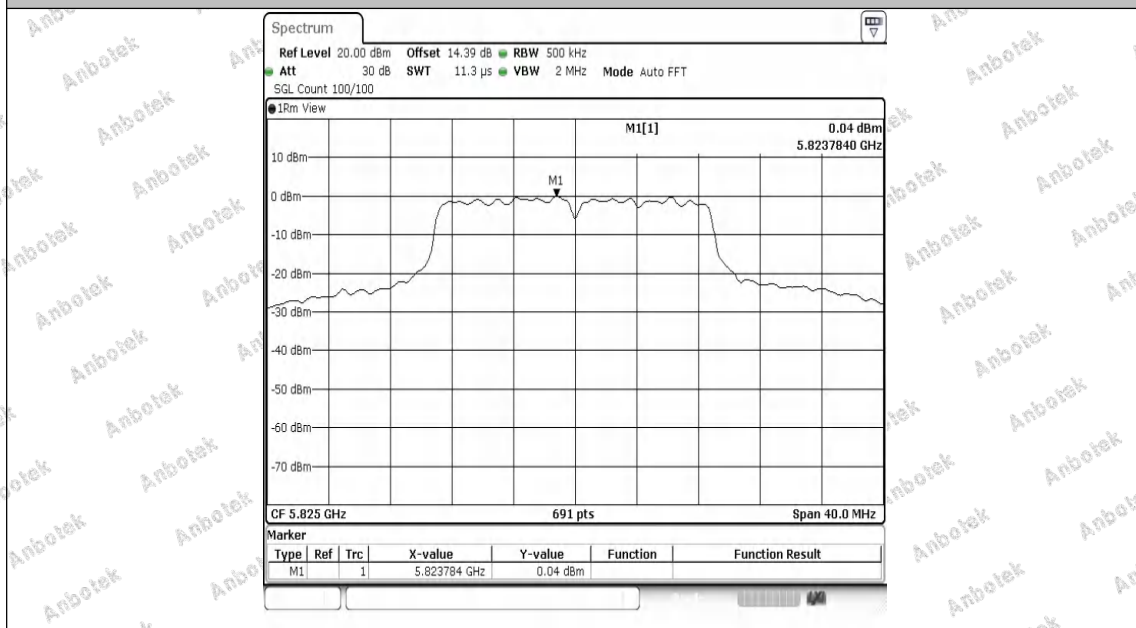


### 11N20MIMO-Ant2-5785-PASS





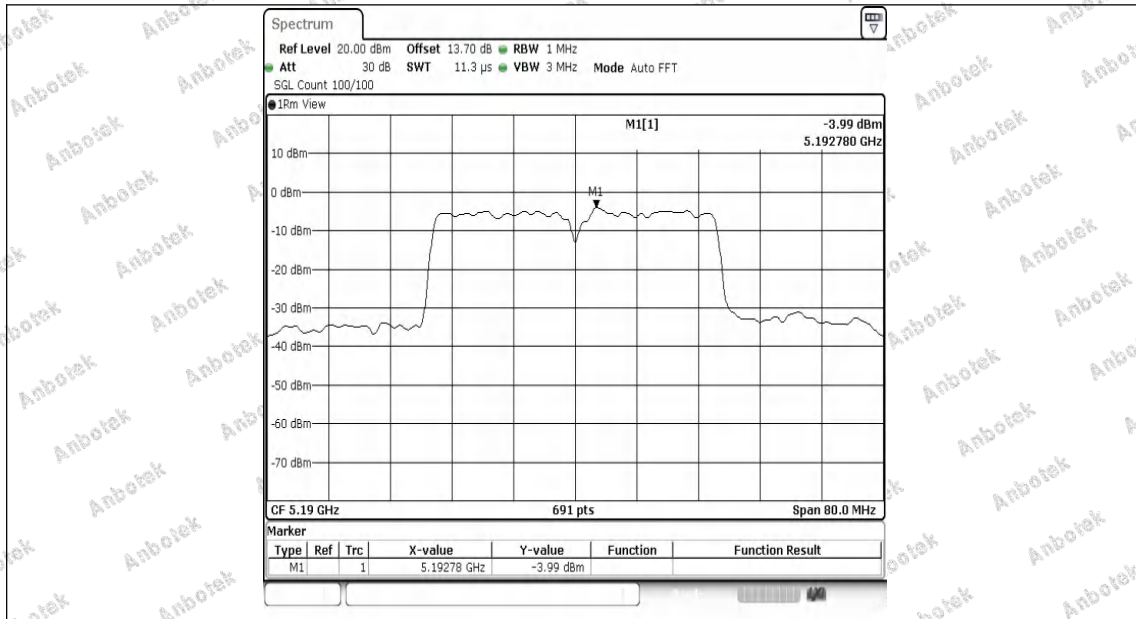
11N20MIMO-Ant1-5825-PASS



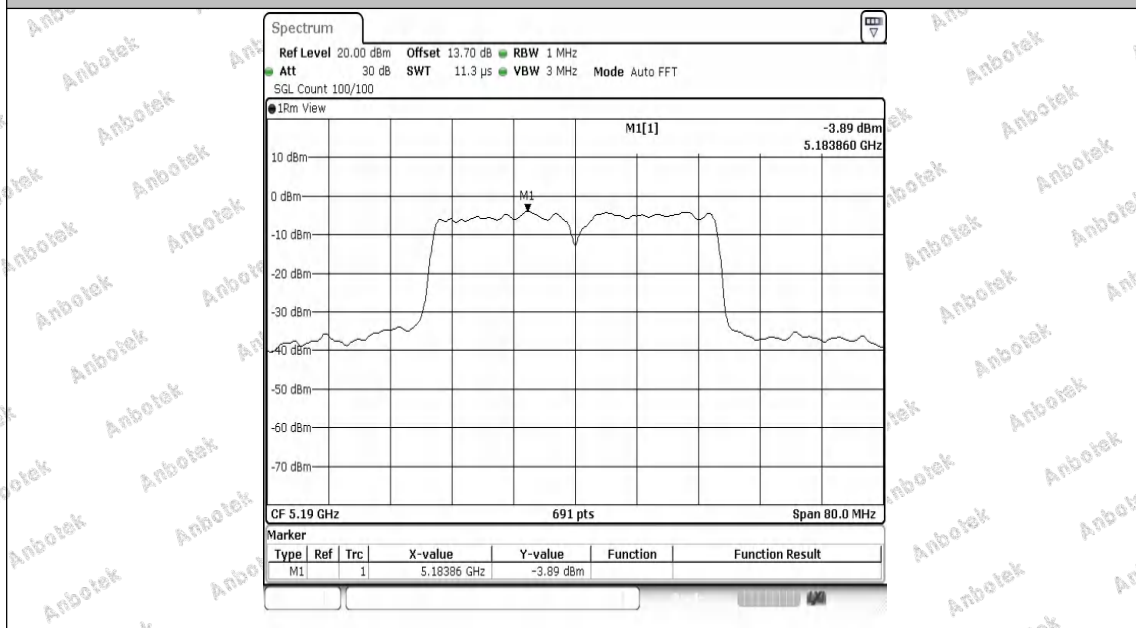
11N20MIMO-Ant2-5825-PASS





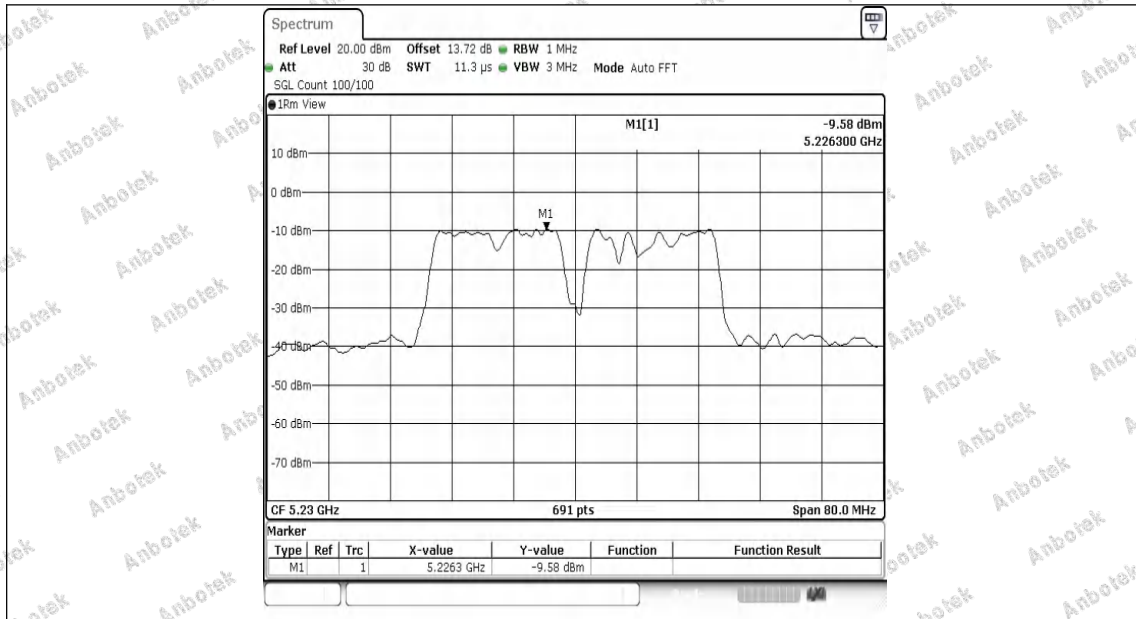


### 11N40MIMO-Ant1-5190-PASS

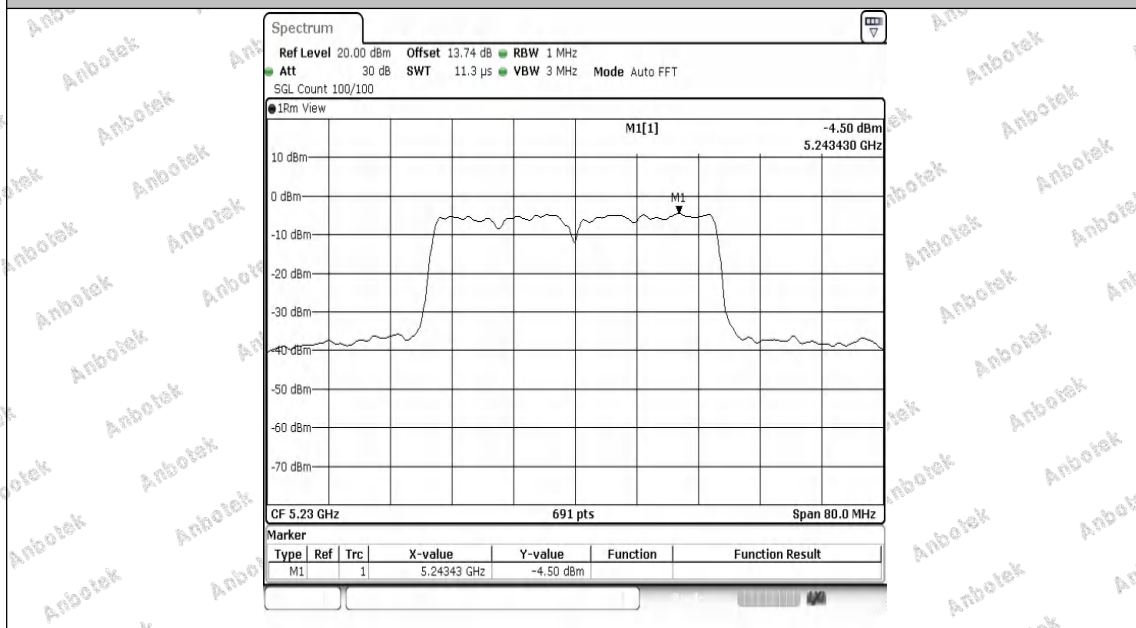


### 11N40MIMO-Ant2-5190-PASS



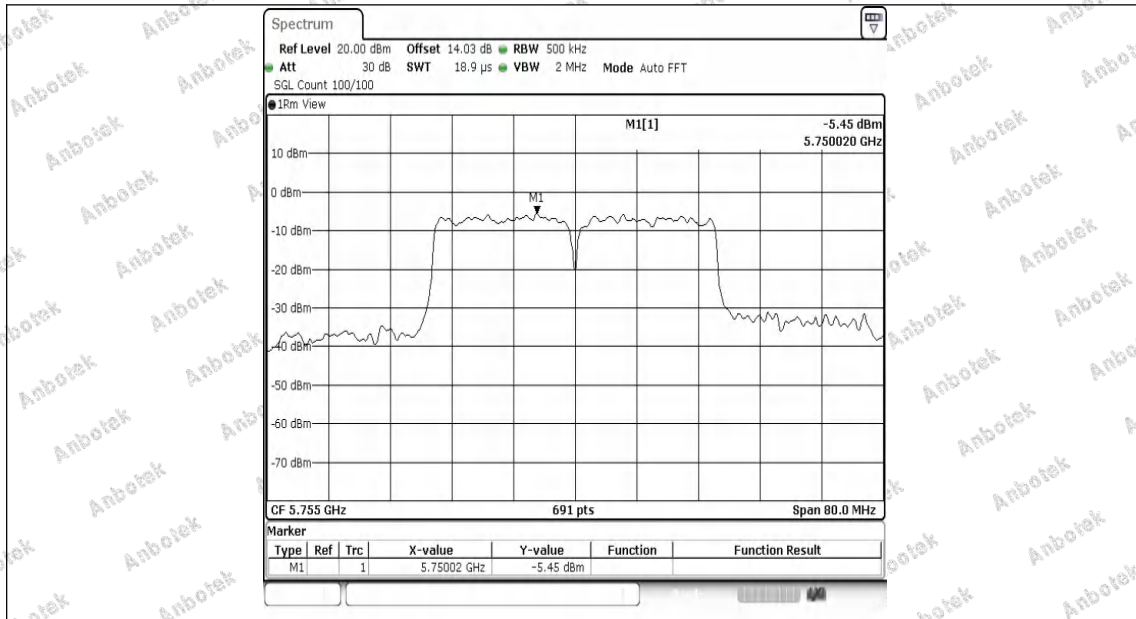


### 11N40MIMO-Ant1-5230-PASS

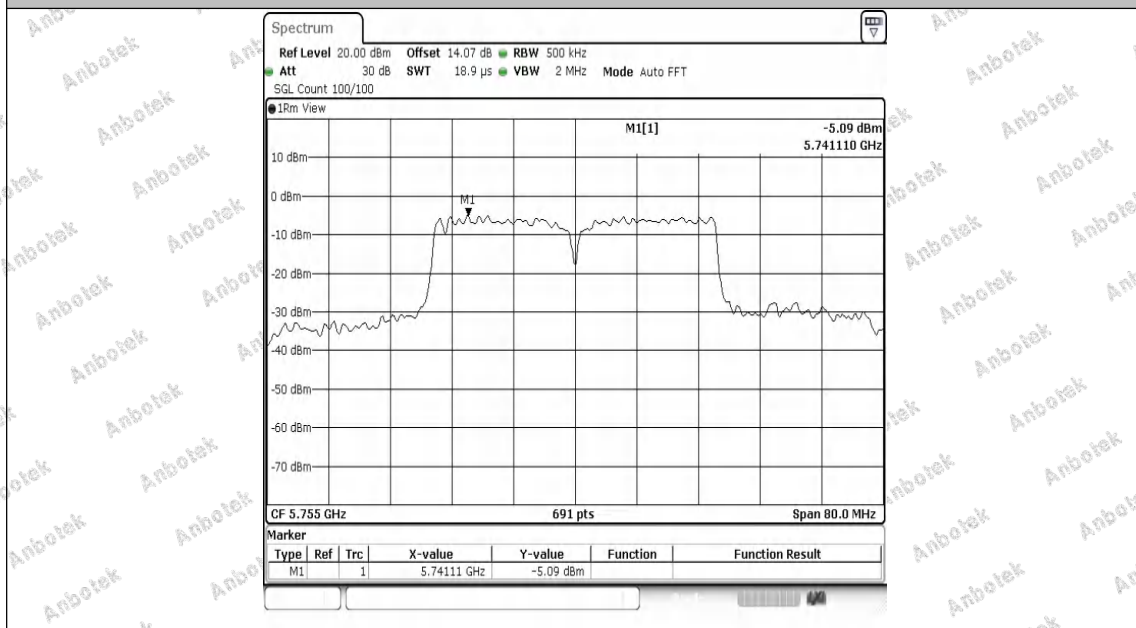


### 11N40MIMO-Ant2-5230-PASS





11N40MIMO-Ant1-5755-PASS



11N40MIMO-Ant2-5755-PASS

