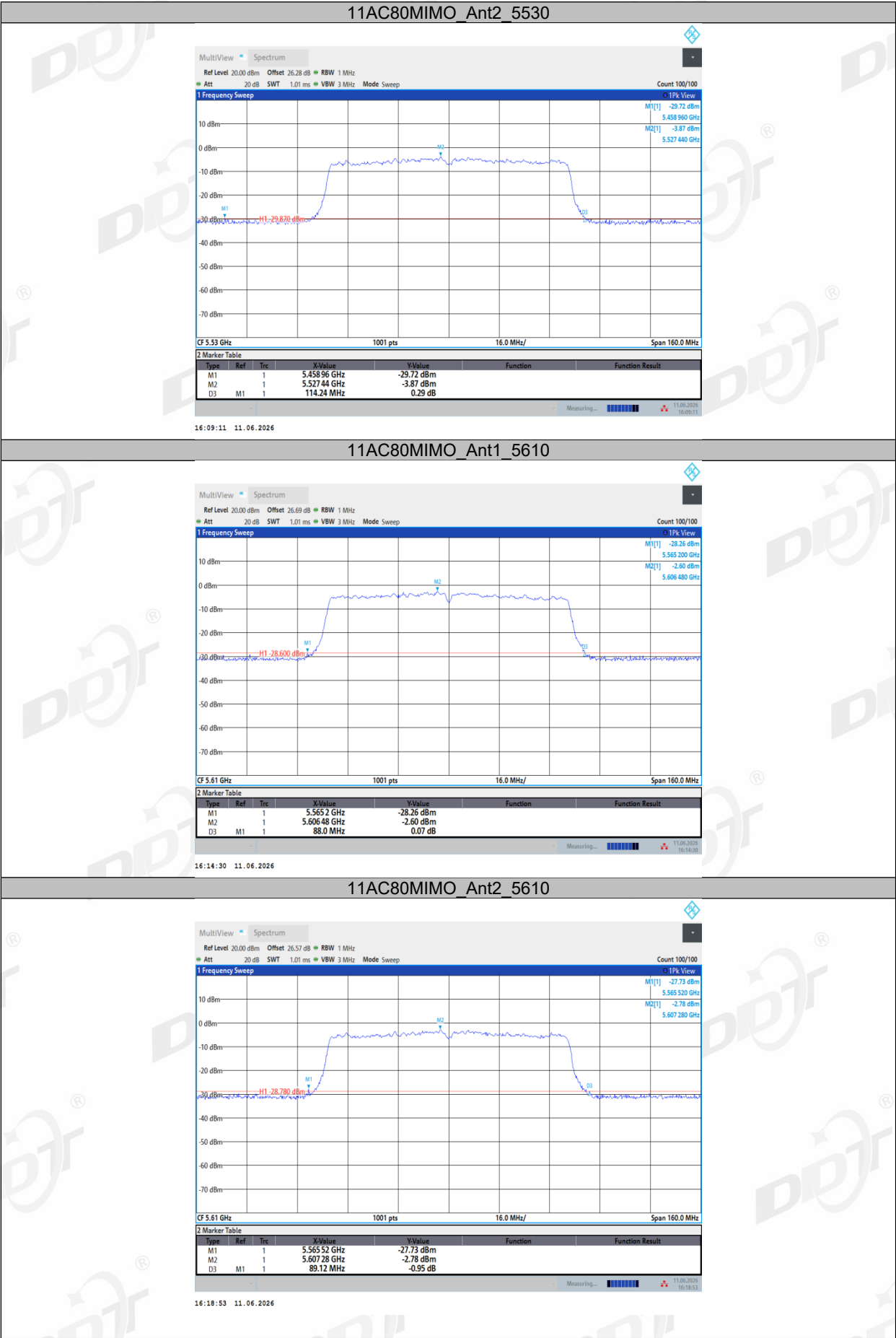
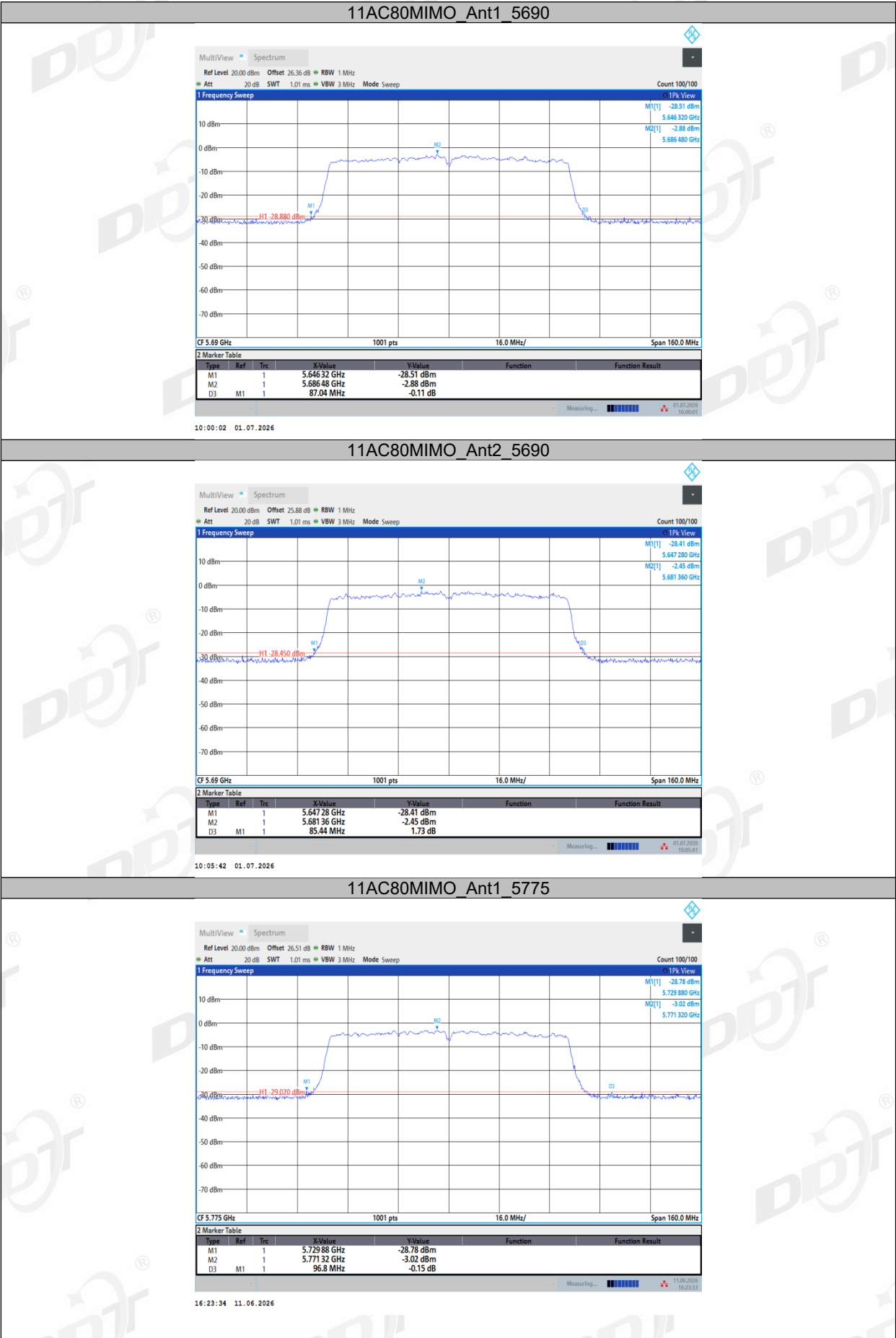
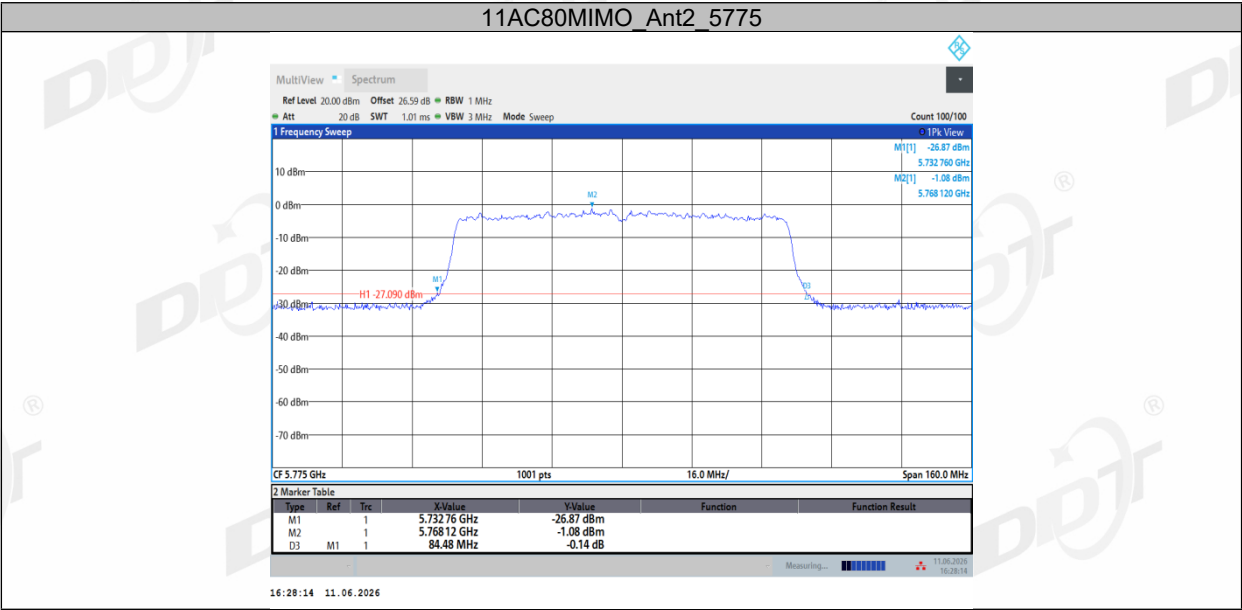




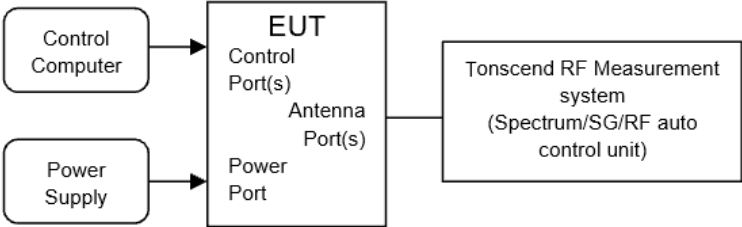






5. 6dB Bandwidth

5.1. Block diagram of test setup



5.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
6 dB Bandwidth	Minimum 500 kHz	5725 - 5850

5.3. Test procedure

Connect EUT’s antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 6 dB Bandwidth: RBW=100 kHz For 26 dB Bandwidth: approximately 1% of the emission bandwidth.
VBW	For 6 dB Bandwidth: VBW=300 kHz For 26 dB Bandwidth: >3 RBW
Trace	Max hold
Sweep	Auto couple

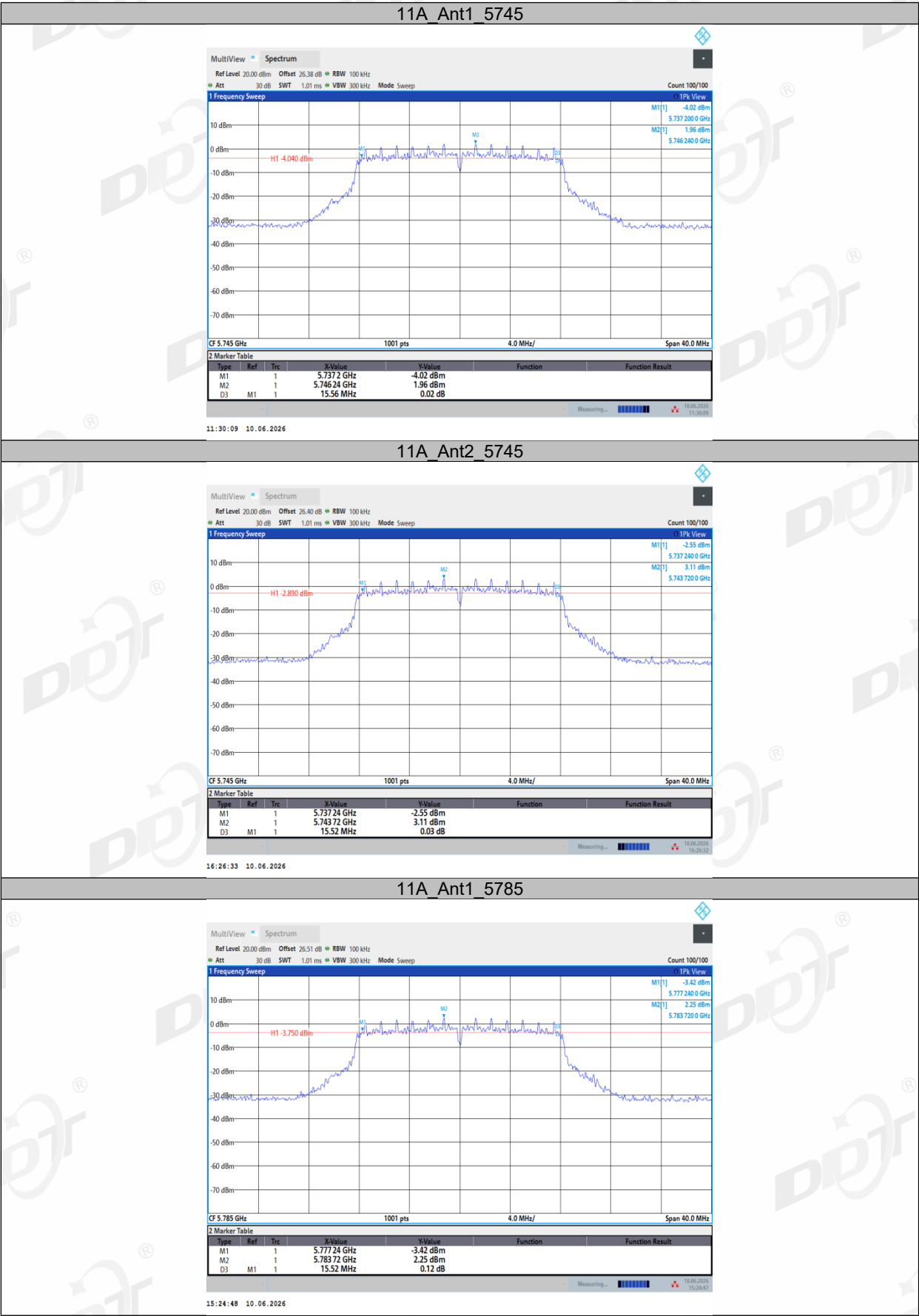
Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

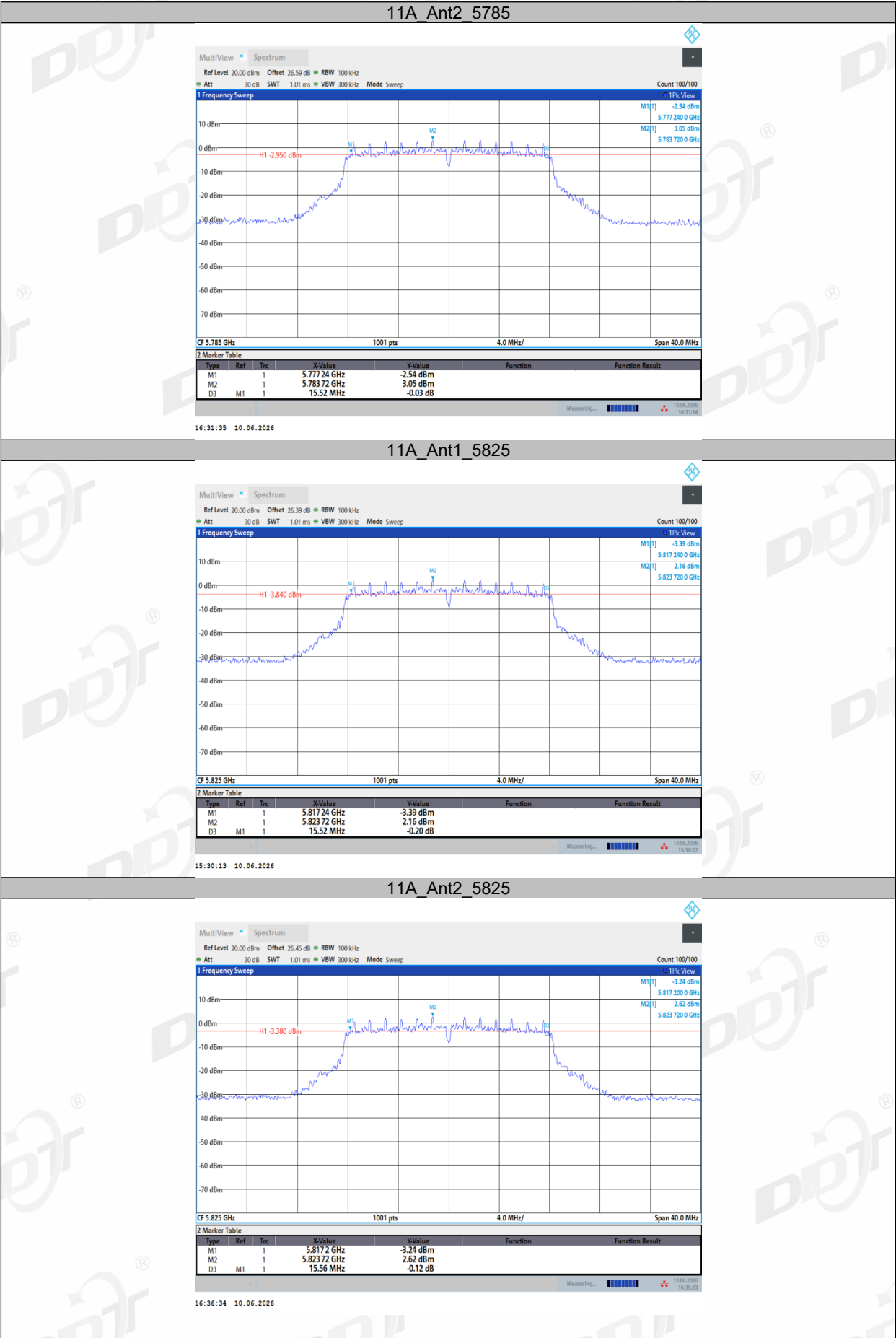
5.4. Test result

Test Engineer:	Huang Yanwen	Test Site:	RF Measurement system 4#
Ambient Condition:	24.8-27.5℃,36.5-48.3%RH	Test Date:	2026.05.20-2026.07.01
Test Power Supply:	DC 12V	Sample Number:	S26042731-006

Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	15.56	5737.20	5752.76	0.5	PASS
	Ant2	5745	15.52	5737.24	5752.76	0.5	PASS
	Ant1	5785	15.52	5777.24	5792.76	0.5	PASS
	Ant2	5785	15.52	5777.24	5792.76	0.5	PASS
	Ant1	5825	15.52	5817.24	5832.76	0.5	PASS
	Ant2	5825	15.56	5817.20	5832.76	0.5	PASS
11N20MIMO	Ant1	5745	15.44	5737.12	5752.56	0.5	PASS
	Ant2	5745	16.16	5736.60	5752.76	0.5	PASS
	Ant1	5785	16.52	5776.60	5793.12	0.5	PASS
	Ant2	5785	16.52	5776.60	5793.12	0.5	PASS
	Ant1	5825	15.96	5816.60	5832.56	0.5	PASS
	Ant2	5825	16.92	5816.60	5833.52	0.5	PASS
11N40MIMO	Ant1	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant2	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant1	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant2	5795	35.12	5777.48	5812.60	0.5	PASS
11AC20MIMO	Ant1	5745	15.72	5737.20	5752.92	0.5	PASS
	Ant2	5745	16.32	5736.84	5753.16	0.5	PASS
	Ant1	5785	15.92	5777.20	5793.12	0.5	PASS
	Ant2	5785	16.56	5776.84	5793.40	0.5	PASS
	Ant1	5825	15.72	5817.20	5832.92	0.5	PASS
	Ant2	5825	16.80	5816.60	5833.40	0.5	PASS
11AC40MIMO	Ant1	5755	35.36	5737.24	5772.60	0.5	PASS
	Ant2	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant1	5795	35.44	5777.24	5812.68	0.5	PASS
	Ant2	5795	35.12	5777.48	5812.60	0.5	PASS
11AC80MIMO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	75.20	5737.40	5812.60	0.5	PASS

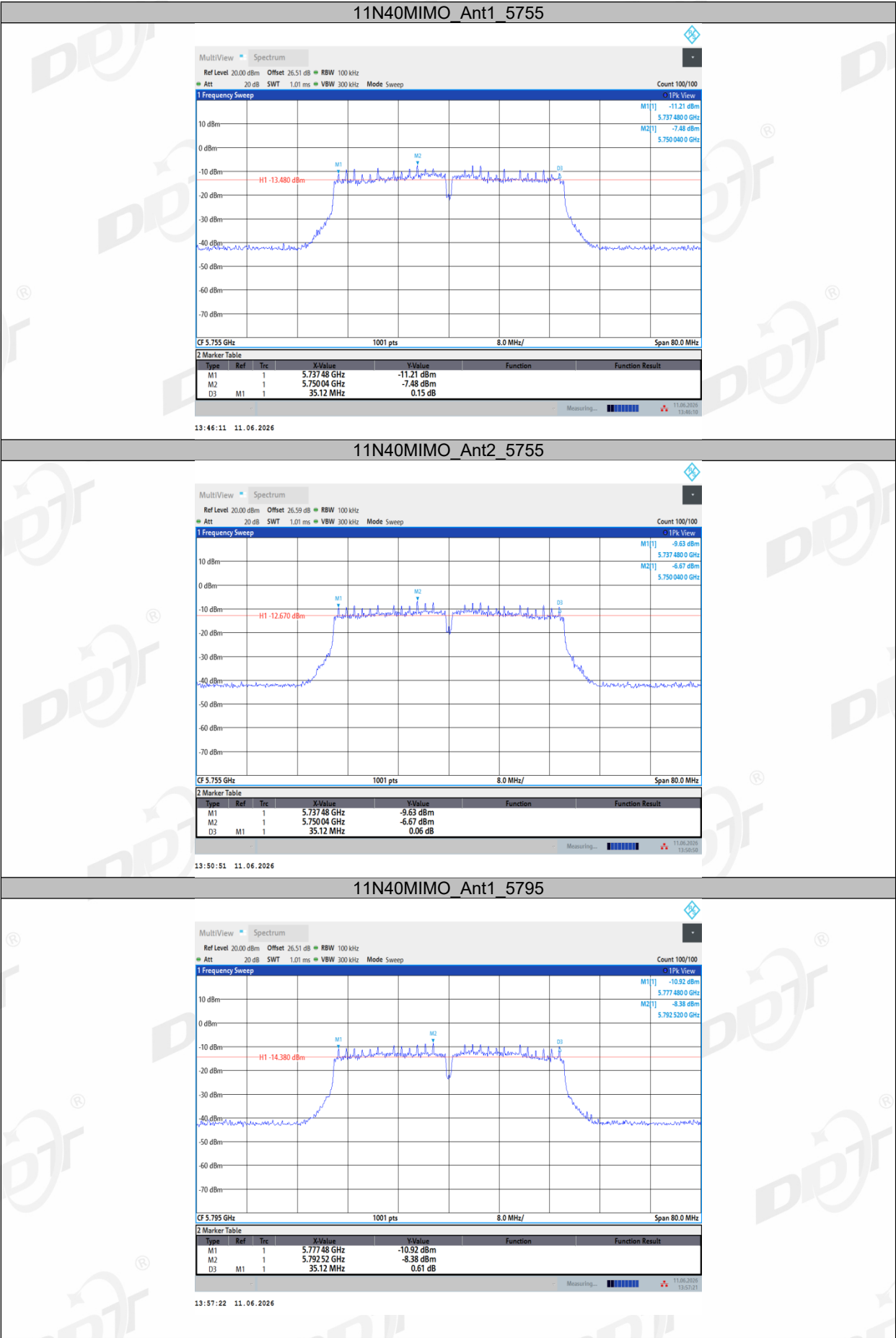
5.5. Test graphs







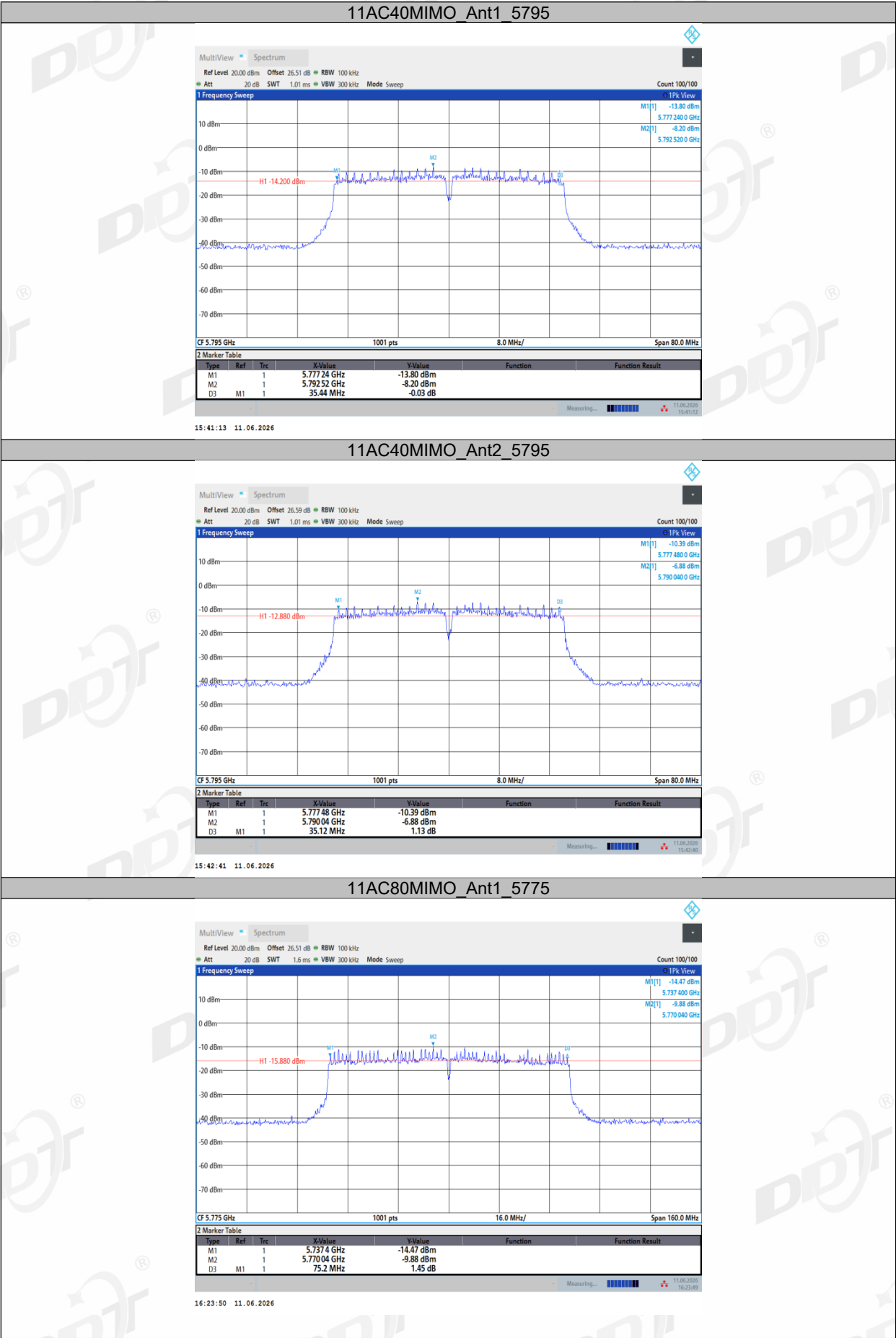


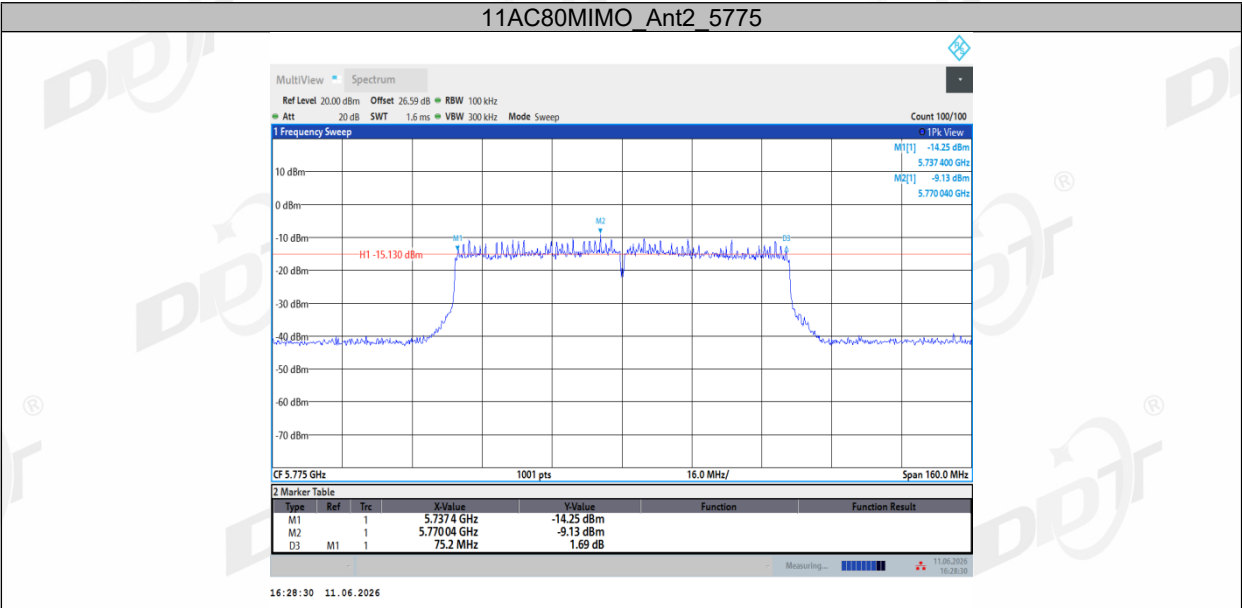






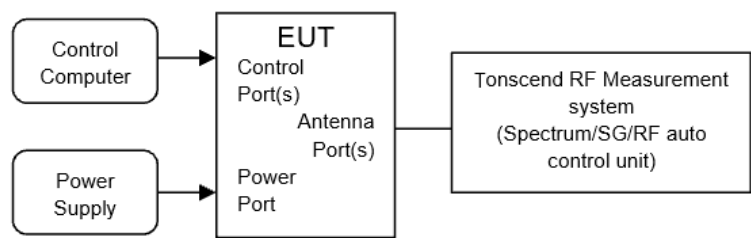






6. 99% Bandwidth

6.1. Block diagram of test setup



6.2. Limits

Just for Report.

6.3. Test procedure

(1) Connect EUT’s antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	1% to 5% of the OBW, but no less than 100KHz
VBW	approximately three times the RBW
Trace	Max hold

(2) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

6.4. Test result

Test Engineer:	Huang Yanwen	Test Site:	RF Measurement system 4#
Ambient Condition:	24.8-27.5℃,36.5-48.3%RH	Test Date:	2026.05.20-2026.07.01
Test Power Supply:	DC 12V	Sample Number:	S26042731-006

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	16.911	5171.5816	5188.4923	---	---
	Ant2	5180	16.940	5171.5539	5188.4937	---	---
	Ant1	5200	16.902	5191.5791	5208.4815	---	---
	Ant2	5200	17.004	5191.4815	5208.4857	---	---
	Ant1	5240	16.880	5231.5880	5248.4677	---	---
	Ant2	5240	16.920	5231.5420	5248.4623	---	---
	Ant1	5260	16.911	5251.5615	5268.4728	---	---
	Ant2	5260	16.930	5251.5456	5268.4752	---	---
	Ant1	5280	16.926	5271.5445	5288.4701	---	---
	Ant2	5280	16.893	5271.5648	5288.4579	---	---
	Ant1	5320	16.913	5311.5439	5328.4567	---	---
	Ant2	5320	16.858	5311.5883	5328.4463	---	---
	Ant1	5500	16.871	5491.5793	5508.4502	---	---
	Ant2	5500	16.855	5491.5970	5508.4524	---	---
	Ant1	5580	16.846	5571.5777	5588.4241	---	---
	Ant2	5580	16.840	5571.5758	5588.4157	---	---
	Ant1	5700	16.809	5691.6386	5708.4472	---	---
	Ant2	5700	16.841	5691.6020	5708.4430	---	---
	Ant1	5720	16.861	5711.5895	5728.4507	---	---
	Ant2	5720	16.864	5711.5820	5728.4457	---	---
	Ant1	5720_UNII-2C	13.411	5711.5895	5725	---	---
	Ant2	5720_UNII-2C	13.418	5711.5820	5725	---	---
	Ant1	5720_UNII-3	3.451	5725	5728.4507	---	---
	Ant2	5720_UNII-3	3.446	5725	5728.4457	---	---
	Ant1	5745	16.844	5736.6032	5753.4475	---	---
	Ant2	5745	16.814	5736.6178	5753.4319	---	---
	Ant1	5785	16.846	5776.6118	5793.4574	---	---

	Ant2	5785	16.735	5776.6677	5793.4026	---	---
	Ant1	5825	16.888	5816.5667	5833.4545	---	---
	Ant2	5825	16.831	5816.6017	5833.4330	---	---
11N20MIMO	Ant1	5180	17.919	5171.0787	5188.9972	---	---
	Ant2	5180	17.955	5171.0503	5189.0056	---	---
	Ant1	5200	18.015	5191.0068	5209.0222	---	---
	Ant2	5200	17.929	5191.0472	5208.9758	---	---
	Ant1	5240	17.940	5231.0550	5248.9951	---	---
	Ant2	5240	17.942	5231.0407	5248.9831	---	---
	Ant1	5260	17.957	5251.0604	5269.0172	---	---
	Ant2	5260	17.944	5251.0506	5268.9946	---	---
	Ant1	5280	17.942	5271.0530	5288.9950	---	---
	Ant2	5280	17.919	5271.0616	5288.9804	---	---
	Ant1	5320	17.979	5311.0125	5328.9917	---	---
	Ant2	5320	17.893	5311.0756	5328.9687	---	---
	Ant1	5500	17.909	5491.0580	5508.9674	---	---
	Ant2	5500	17.871	5491.0969	5508.9683	---	---
	Ant1	5580	17.868	5571.0419	5588.9099	---	---
	Ant2	5580	17.859	5571.0764	5588.9353	---	---
	Ant1	5700	17.993	5691.0526	5709.0455	---	---
	Ant2	5700	17.866	5691.1021	5708.9685	---	---
	Ant1	5720	17.827	5711.0789	5728.9062	---	---
	Ant2	5720	17.856	5711.0868	5728.9432	---	---
	Ant1	5720_UNII-2C	13.921	5711.0789	5725	---	---
	Ant2	5720_UNII-2C	13.913	5711.0868	5725	---	---
	Ant1	5720_UNII-3	3.906	5725	5728.9062	---	---
	Ant2	5720_UNII-3	3.943	5725	5728.9432	---	---
	Ant1	5745	17.820	5736.0915	5753.9111	---	---
	Ant2	5745	17.866	5736.0849	5753.9508	---	---
	Ant1	5785	18.025	5776.0274	5794.0526	---	---
	Ant2	5785	17.868	5776.0899	5793.9580	---	---
	Ant1	5825	17.824	5816.0741	5833.8978	---	---
	Ant2	5825	17.870	5816.0845	5833.9544	---	---
11N40MIMO	Ant1	5190	36.556	5171.7314	5208.2876	---	---

	Ant2	5190	36.549	5171.7202	5208.2696	---	---
	Ant1	5230	36.550	5211.7468	5248.2969	---	---
	Ant2	5230	36.506	5211.7546	5248.2611	---	---
	Ant1	5270	36.577	5251.7135	5288.2903	---	---
	Ant2	5270	36.491	5251.7596	5288.2505	---	---
	Ant1	5310	36.602	5291.6719	5328.2740	---	---
	Ant2	5310	36.557	5291.7179	5328.2752	---	---
	Ant1	5510	36.622	5491.7201	5528.3419	---	---
	Ant2	5510	36.572	5491.7614	5528.3329	---	---
	Ant1	5550	36.647	5531.6955	5568.3428	---	---
	Ant2	5550	36.564	5531.7631	5568.3271	---	---
	Ant1	5670	36.705	5651.7251	5688.4299	---	---
	Ant2	5670	36.560	5651.7723	5688.3328	---	---
	Ant1	5710	36.645	5691.7414	5728.3867	---	---
	Ant2	5710	36.466	5691.7988	5728.2644	---	---
	Ant1	5710_UNII-2C	33.259	5691.7414	5725	---	---
	Ant2	5710_UNII-2C	33.201	5691.7988	5725	---	---
	Ant1	5710_UNII-3	3.387	5725	5728.3867	---	---
	Ant2	5710_UNII-3	3.264	5725	5728.2644	---	---
	Ant1	5755	36.663	5736.6996	5773.3623	---	---
	Ant2	5755	36.454	5736.7589	5773.2130	---	---
	Ant1	5795	36.568	5776.7458	5813.3140	---	---
	Ant2	5795	36.417	5776.8162	5813.2336	---	---
11AC20MIMO	Ant1	5180	17.982	5171.0395	5189.0214	---	---
	Ant2	5180	17.894	5171.0602	5188.9546	---	---
	Ant1	5200	18.022	5190.9889	5209.0108	---	---
	Ant2	5200	17.897	5191.0375	5208.9344	---	---
	Ant1	5240	17.984	5231.0178	5249.0022	---	---
	Ant2	5240	17.871	5231.0578	5248.9284	---	---
	Ant1	5260	18.017	5251.0174	5269.0347	---	---
	Ant2	5260	17.889	5251.0504	5268.9396	---	---
	Ant1	5280	17.974	5271.0217	5288.9959	---	---
	Ant2	5280	17.853	5271.0640	5288.9165	---	---
	Ant1	5320	18.022	5311.0170	5329.0394	---	---

	Ant2	5320	17.855	5311.0690	5328.9242	---	---
	Ant1	5500	17.969	5491.0196	5508.9887	---	---
	Ant2	5500	17.839	5491.0875	5508.9262	---	---
	Ant1	5580	17.976	5570.9948	5588.9713	---	---
	Ant2	5580	17.834	5571.0651	5588.8988	---	---
	Ant1	5700	17.946	5691.0712	5709.0173	---	---
	Ant2	5700	17.840	5691.0828	5708.9232	---	---
	Ant1	5720	17.986	5710.9961	5728.9823	---	---
	Ant2	5720	17.829	5711.0768	5728.9060	---	---
	Ant1	5720_UNII-2C	14.004	5710.9961	5725	---	---
	Ant2	5720_UNII-2C	13.923	5711.0768	5725	---	---
	Ant1	5720_UNII-3	3.982	5725	5728.9823	---	---
	Ant2	5720_UNII-3	3.906	5725	5728.9060	---	---
	Ant1	5745	17.958	5736.0609	5754.0186	---	---
	Ant2	5745	17.818	5736.0951	5753.9133	---	---
	Ant1	5785	17.989	5776.0207	5794.0095	---	---
	Ant2	5785	17.837	5776.0918	5793.9290	---	---
	Ant1	5825	17.995	5816.0065	5834.0014	---	---
	Ant2	5825	17.852	5816.0756	5833.9275	---	---
11AC40MIMO	Ant1	5190	36.481	5171.7054	5208.1860	---	---
	Ant2	5190	36.483	5171.6894	5208.1722	---	---
	Ant1	5230	36.542	5211.6806	5248.2230	---	---
	Ant2	5230	36.551	5211.6727	5248.2240	---	---
	Ant1	5270	36.549	5251.6579	5288.2069	---	---
	Ant2	5270	36.530	5251.7056	5288.2357	---	---
	Ant1	5310	36.542	5291.6820	5328.2239	---	---
	Ant2	5310	36.514	5291.6812	5328.1950	---	---
	Ant1	5510	36.579	5491.6970	5528.2760	---	---
	Ant2	5510	36.516	5491.7274	5528.2438	---	---
	Ant1	5550	36.584	5531.6767	5568.2607	---	---
	Ant2	5550	36.518	5531.7116	5568.2298	---	---
	Ant1	5670	36.660	5651.6455	5688.3056	---	---
	Ant2	5670	36.474	5651.7422	5688.2158	---	---
	Ant1	5710	36.610	5691.6708	5728.2812	---	---

11AC80MIMO	Ant2	5710	36.462	5691.7180	5728.1804	---	---
	Ant1	5710_UNII-2C	33.329	5691.6708	5725	---	---
	Ant2	5710_UNII-2C	33.282	5691.7180	5725	---	---
	Ant1	5710_UNII-3	3.281	5725	5728.2812	---	---
	Ant2	5710_UNII-3	3.18	5725	5728.1804	---	---
	Ant1	5755	36.490	5736.6993	5773.1892	---	---
	Ant2	5755	36.365	5736.7560	5773.1207	---	---
	Ant1	5795	36.507	5776.7224	5813.2293	---	---
	Ant2	5795	36.361	5776.7871	5813.1480	---	---
	Ant1	5210	76.213	5171.7603	5247.9732	---	---
	Ant2	5210	76.382	5171.6696	5248.0513	---	---
	Ant1	5290	76.255	5251.7434	5327.9985	---	---
	Ant2	5290	76.464	5251.6292	5328.0929	---	---
	Ant1	5530	76.408	5491.7567	5568.1645	---	---
	Ant2	5530	76.550	5491.6970	5568.2474	---	---
	Ant1	5610	76.547	5571.6475	5648.1942	---	---
	Ant2	5610	76.468	5571.7334	5648.2013	---	---
	Ant1	5690	76.443	5651.7220	5728.1646	---	---
	Ant2	5690	76.319	5651.7868	5728.1059	---	---
	Ant1	5690_UNII-2C	73.278	5651.7220	5725	---	---
	Ant2	5690_UNII-2C	73.213	5651.7868	5725	---	---
	Ant1	5690_UNII-3	3.165	5725	5728.1646	---	---
	Ant2	5690_UNII-3	3.106	5725	5728.1059	---	---
	Ant1	5775	76.204	5736.8056	5813.0099	---	---
	Ant2	5775	76.349	5736.7307	5813.0799	---	---

6.5. Test graphs

