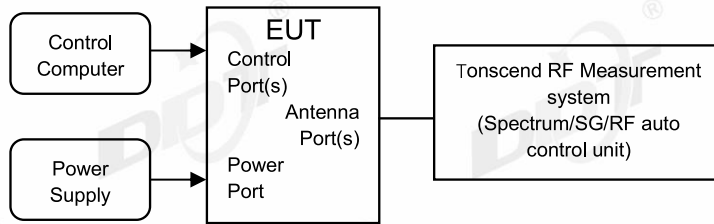


5. 6dB Bandwidth

5.1. Block diagram of test setup



5.2. Limits

FCC Part15, Subpart E		
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

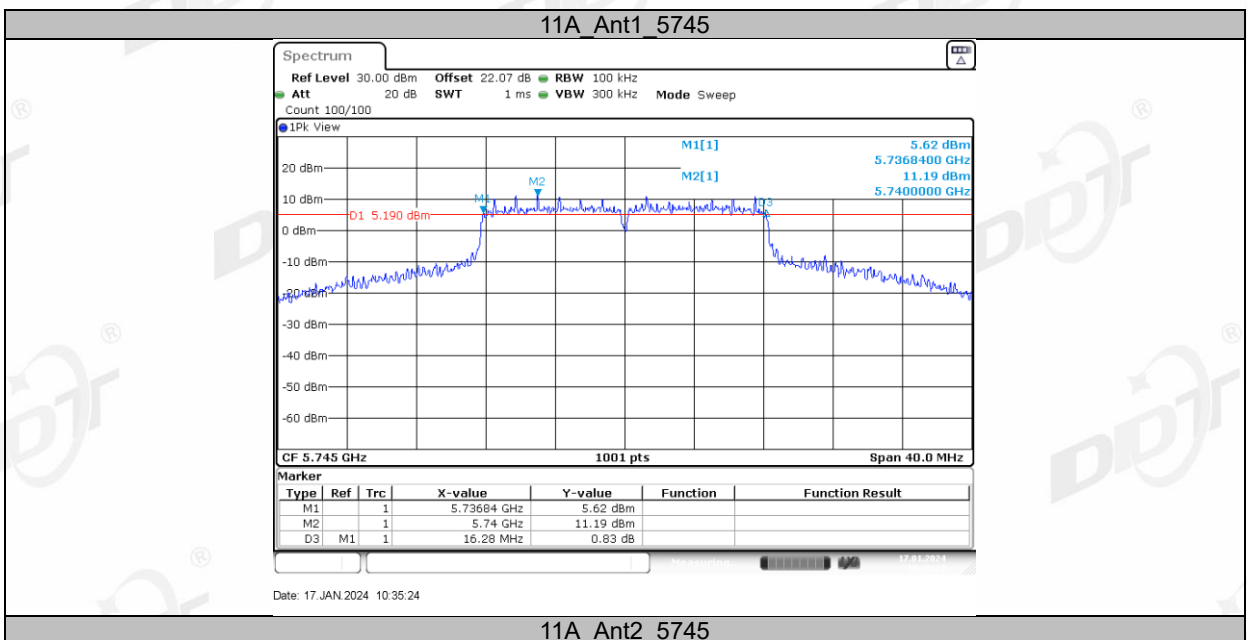
Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

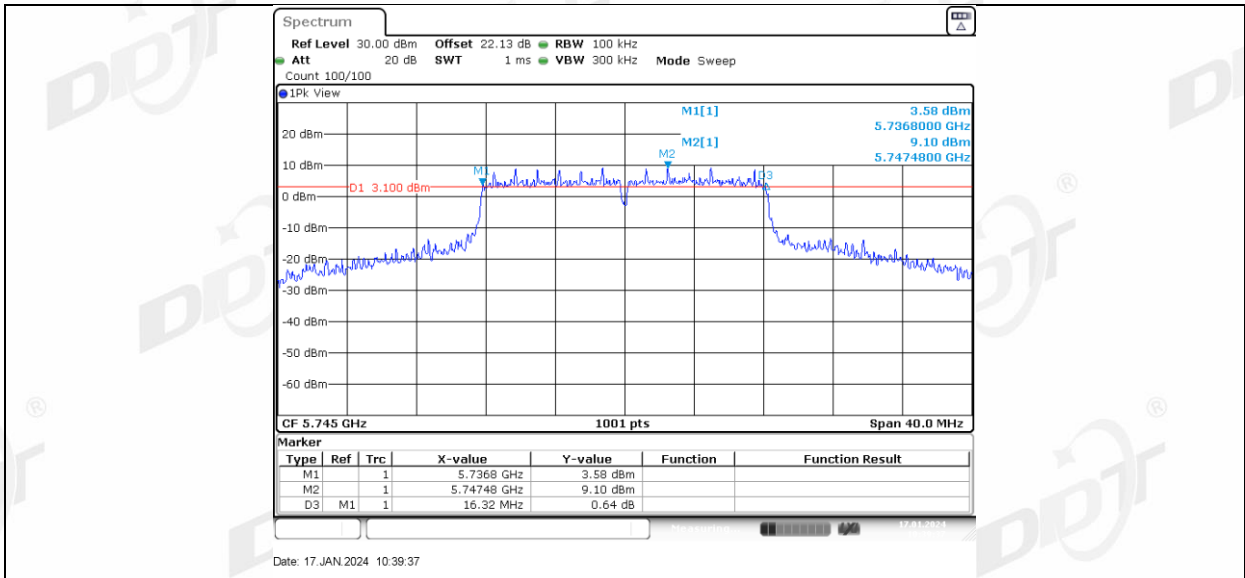
5.4. Test result B4

Test Engineer:	Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	23.3~25.4℃,50.0~56.2%RH	Test Date:	2024.01.16-2024.01.17
Test Power Supply:	DC 5V	EUT:	Dynalink 4K Streaming Box
Sample Number:	S23041927-02	Model No.:	DL-GT36

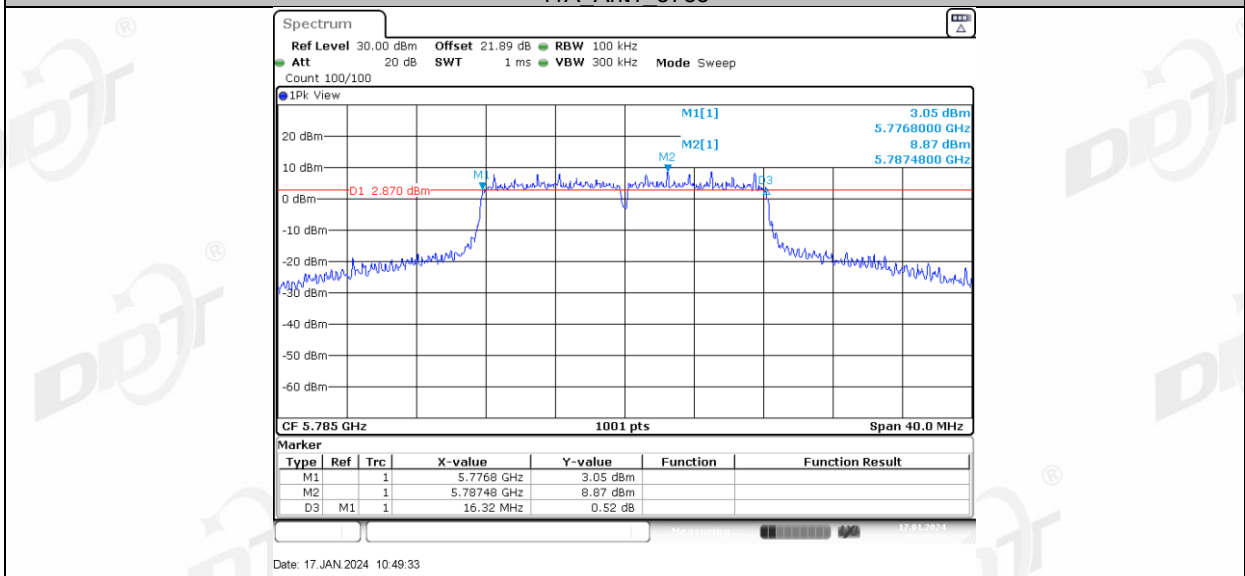
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.28	5736.84	5753.12	0.5	PASS
	Ant2	5745	16.32	5736.80	5753.12	0.5	PASS
	Ant1	5785	16.32	5776.80	5793.12	0.5	PASS
	Ant2	5785	16.32	5776.80	5793.12	0.5	PASS
	Ant1	5825	16.32	5816.80	5833.12	0.5	PASS
	Ant2	5825	16.32	5816.80	5833.12	0.5	PASS
11N20MIMO	Ant1	5745	17.56	5736.20	5753.76	0.5	PASS
	Ant2	5745	17.52	5736.24	5753.76	0.5	PASS
	Ant1	5785	17.52	5776.24	5793.76	0.5	PASS
	Ant2	5785	17.52	5776.24	5793.76	0.5	PASS
	Ant1	5825	17.52	5816.24	5833.76	0.5	PASS
	Ant2	5825	17.52	5816.24	5833.76	0.5	PASS
11N40MIMO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
	Ant2	5755	35.12	5737.40	5772.52	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	17.56	5736.20	5753.76	0.5	PASS
	Ant2	5745	17.52	5736.24	5753.76	0.5	PASS
	Ant1	5785	17.56	5776.20	5793.76	0.5	PASS
	Ant2	5785	17.52	5776.24	5793.76	0.5	PASS
	Ant1	5825	17.56	5816.20	5833.76	0.5	PASS
	Ant2	5825	17.52	5816.24	5833.76	0.5	PASS
11AC40MIMO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
	Ant2	5755	35.12	5737.40	5772.52	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
11AC80MIMO	Ant1	5775	73.92	5738.68	5812.60	0.5	PASS
	Ant2	5775	75.20	5737.40	5812.60	0.5	PASS

5.5. Test graphs B4

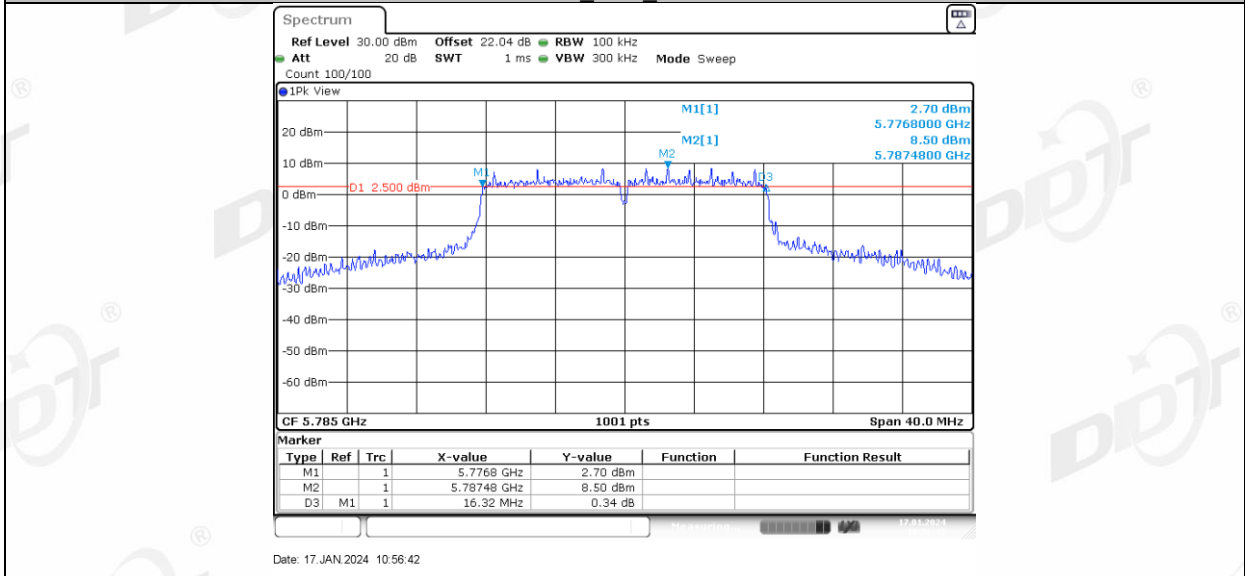




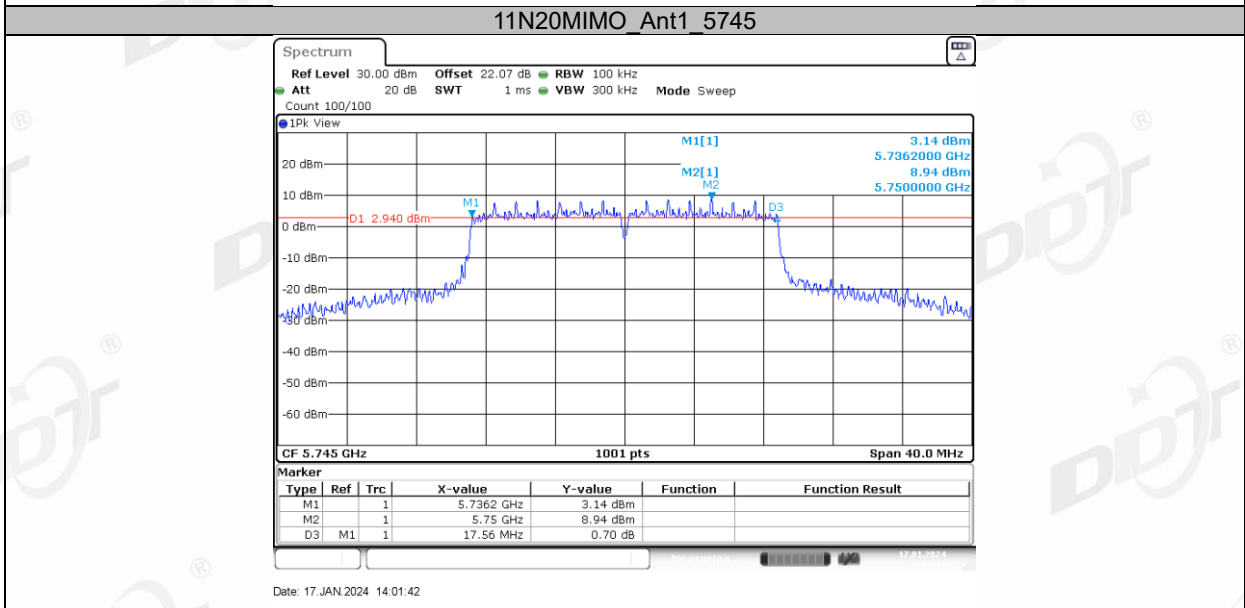
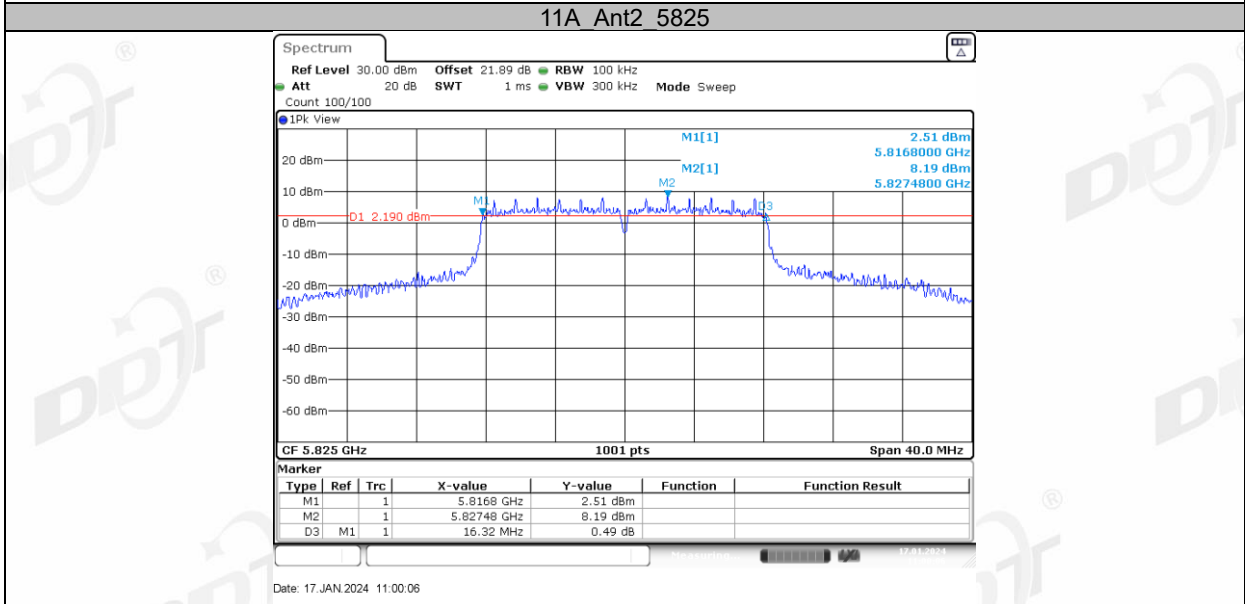
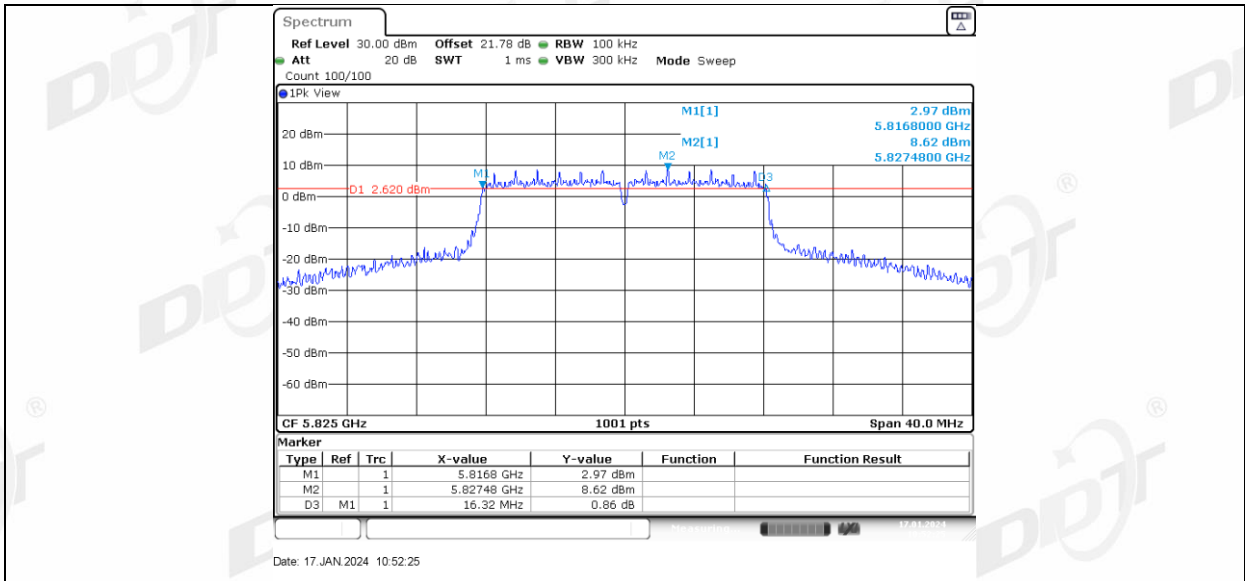
11A Ant1 5785

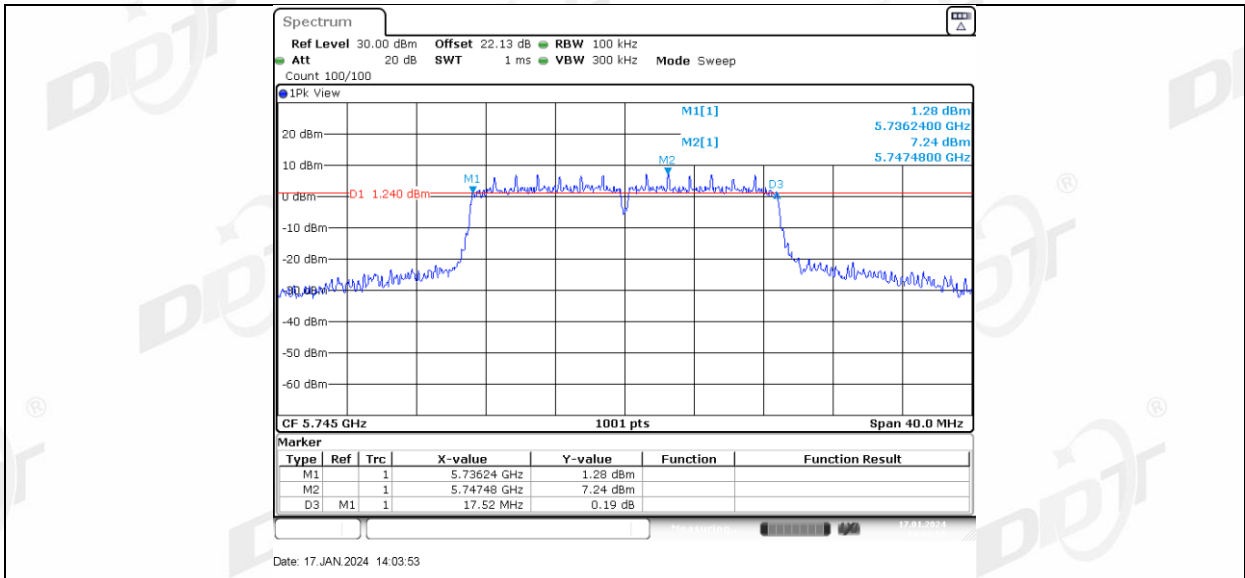


11A Ant2 5785

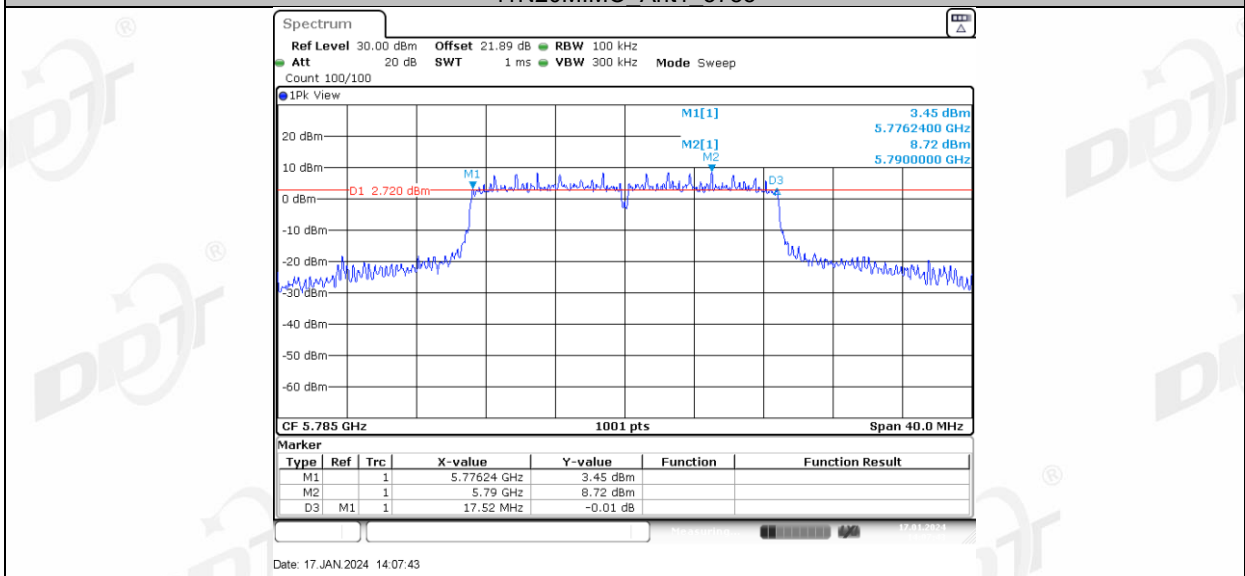


11A Ant1 5825

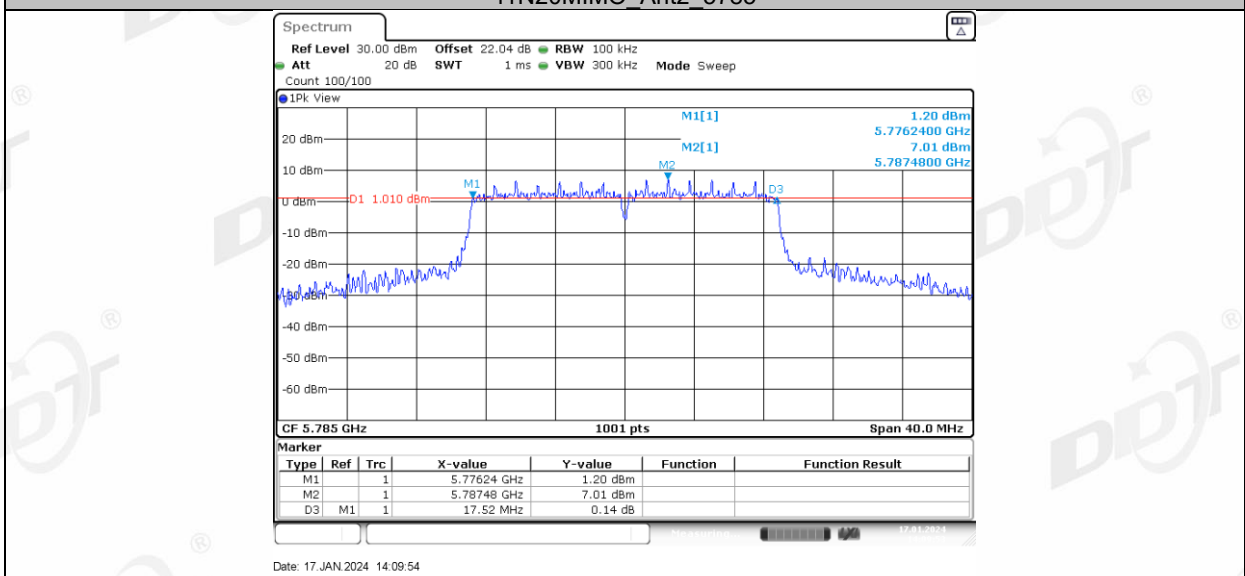




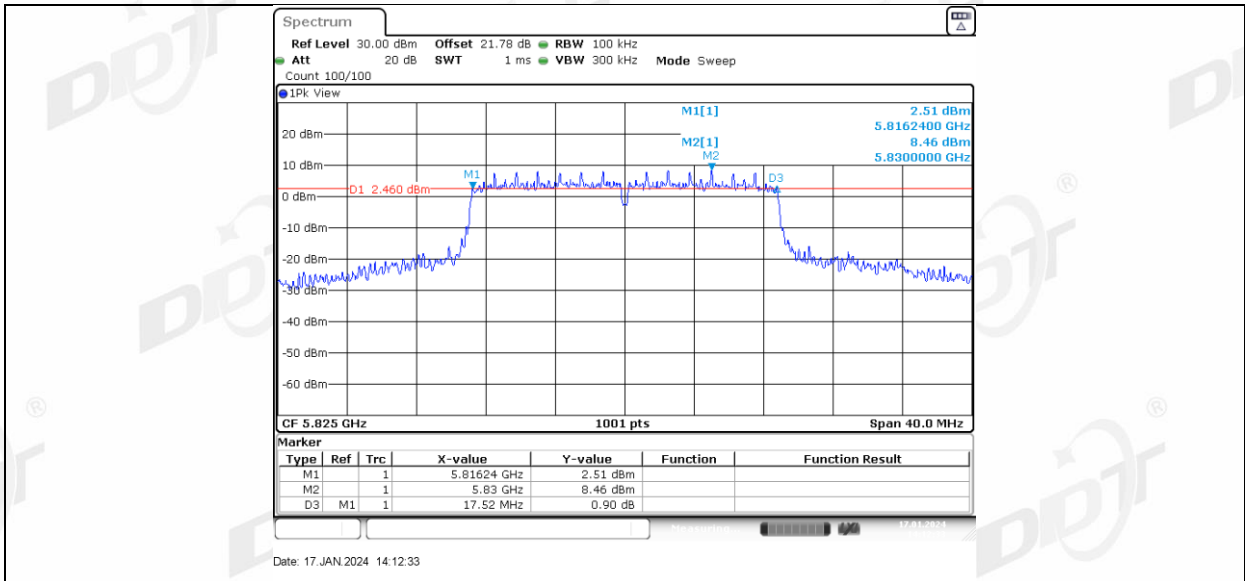
11N20MIMO Ant1_5785



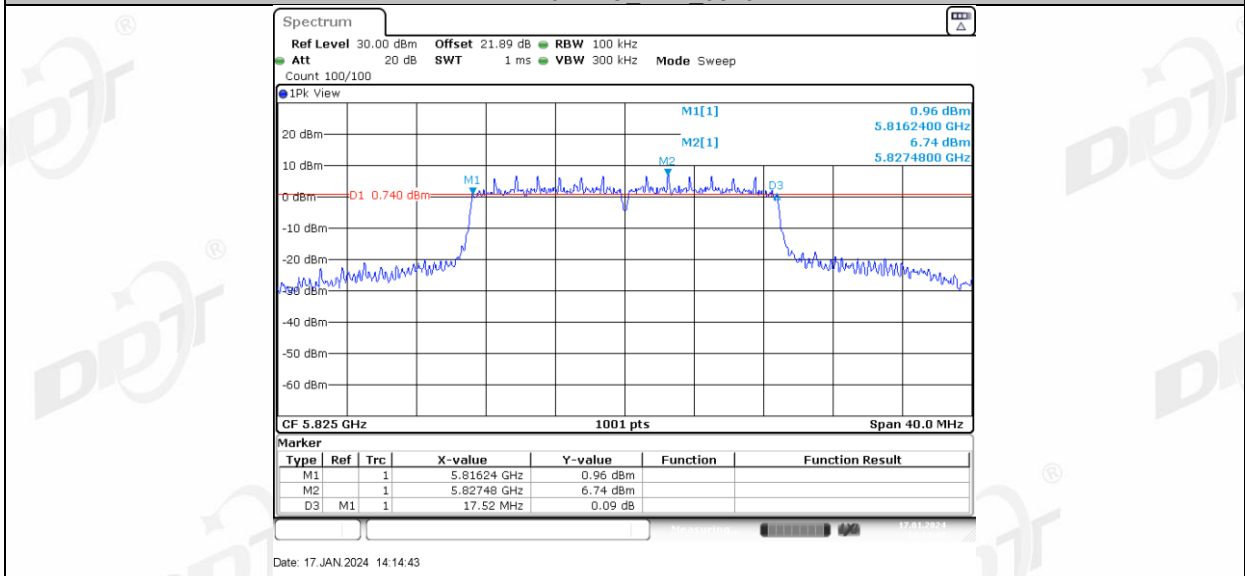
11N20MIMO Ant2_5785



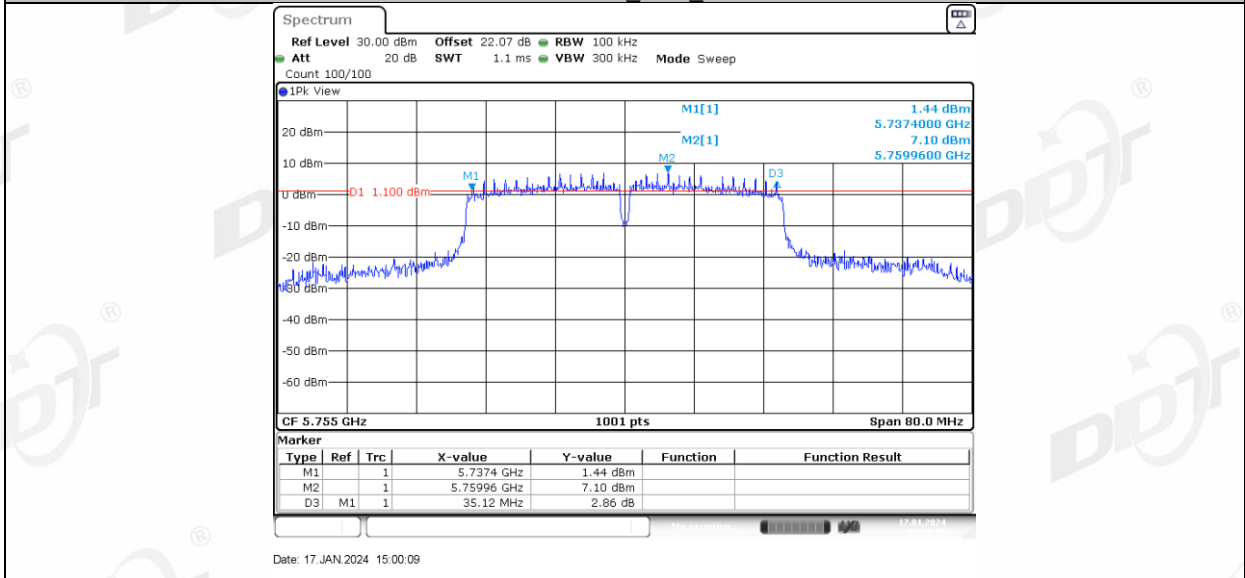
11N20MIMO Ant1_5825



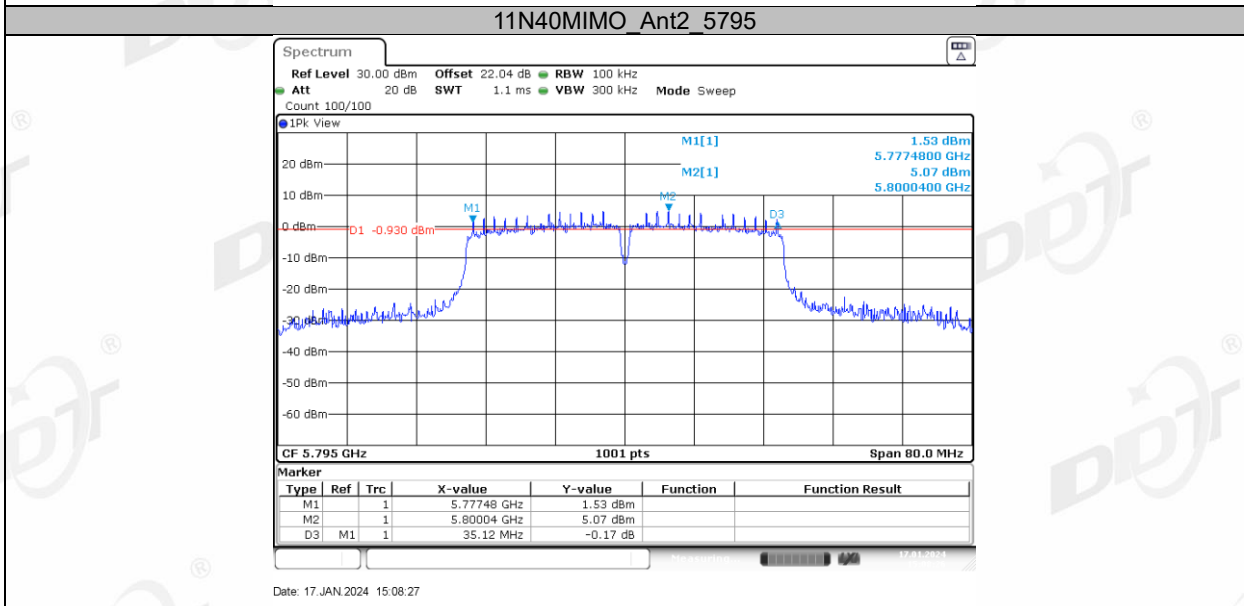
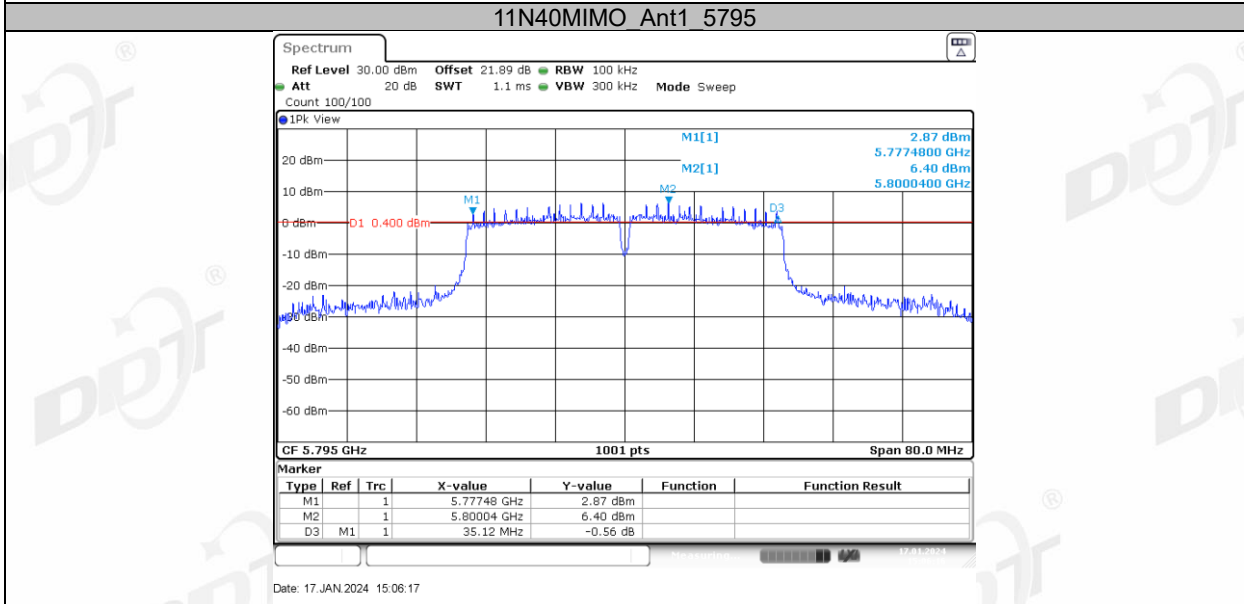
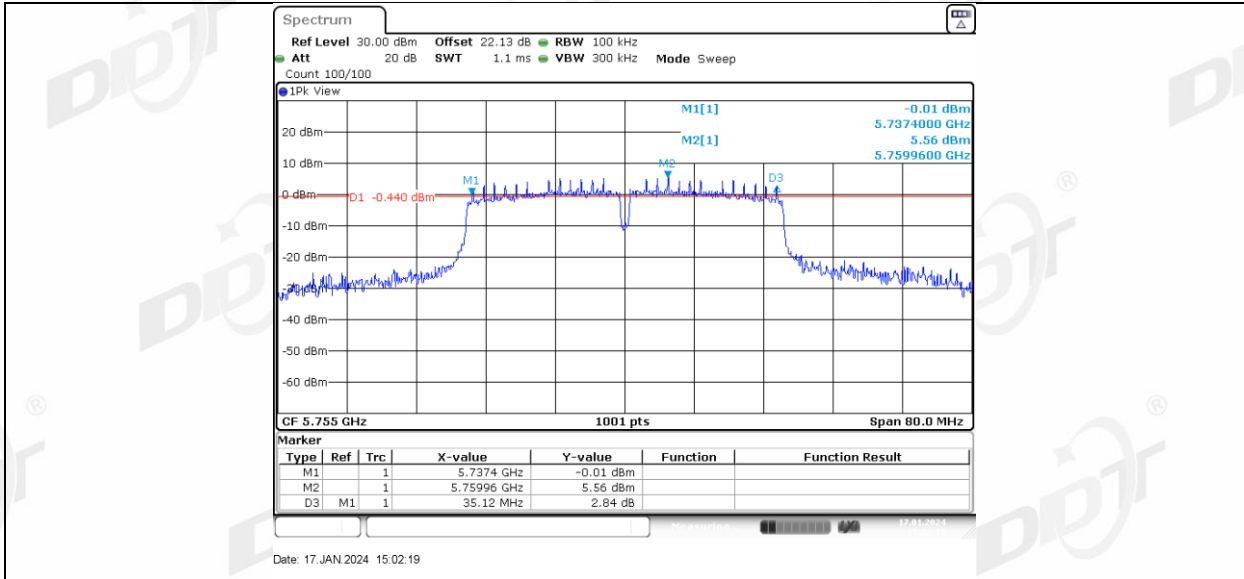
11N20MIMO Ant2 5825

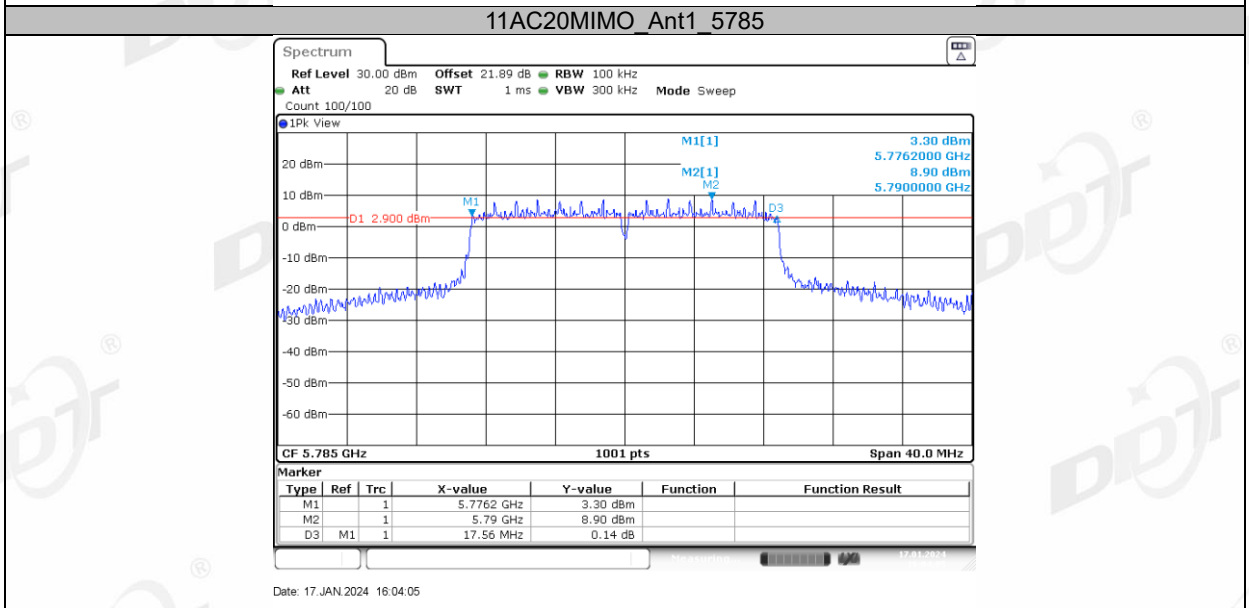
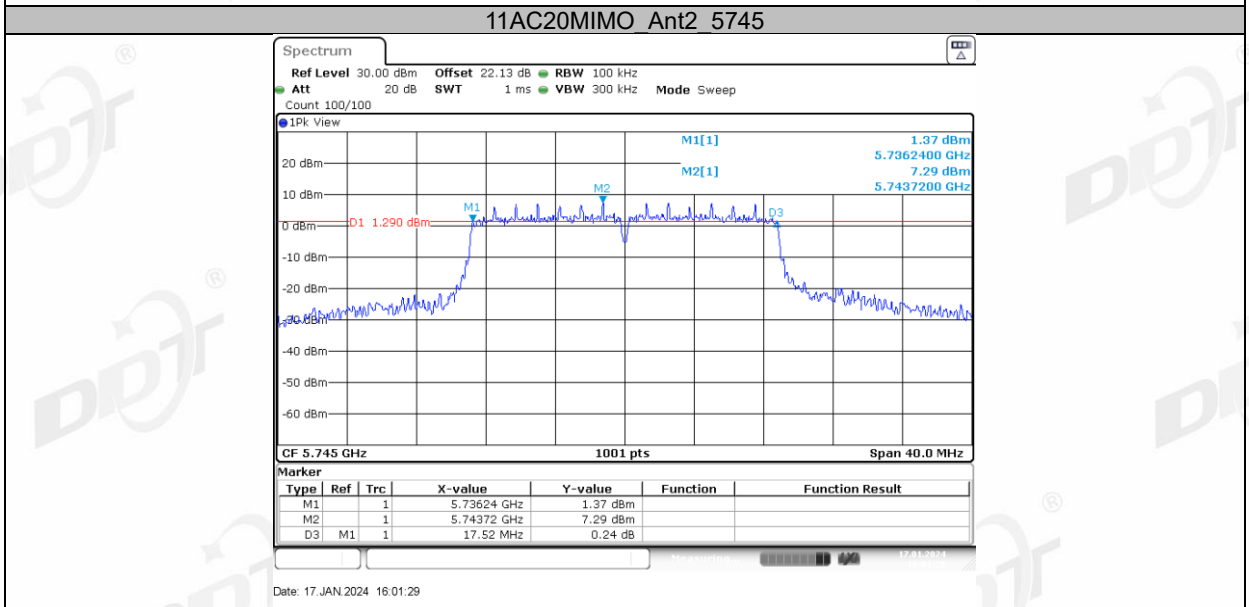
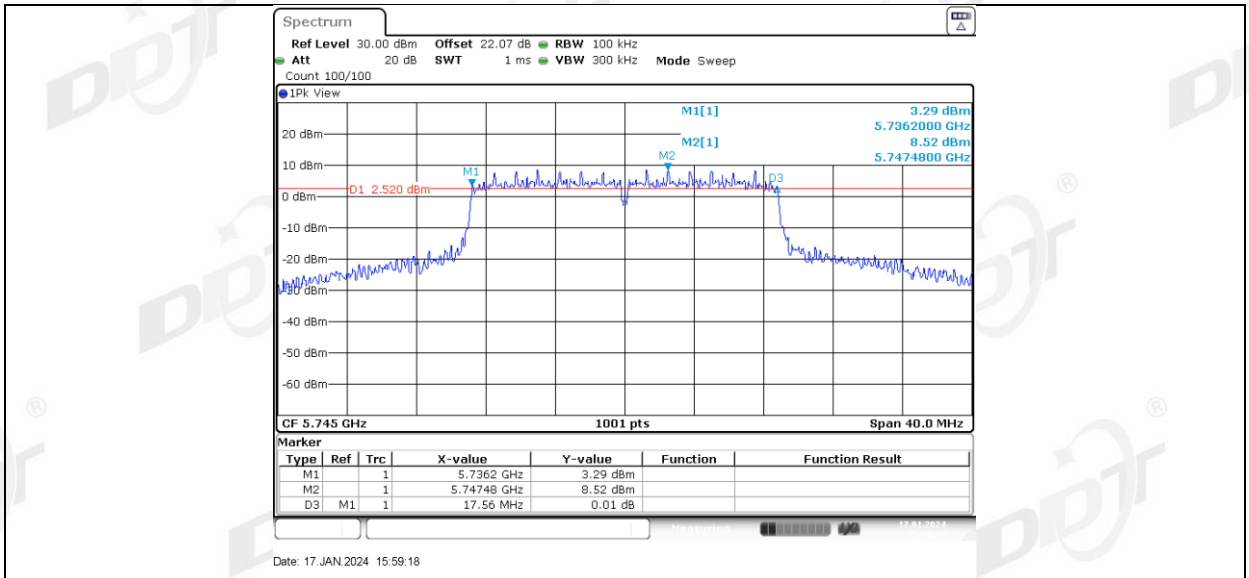


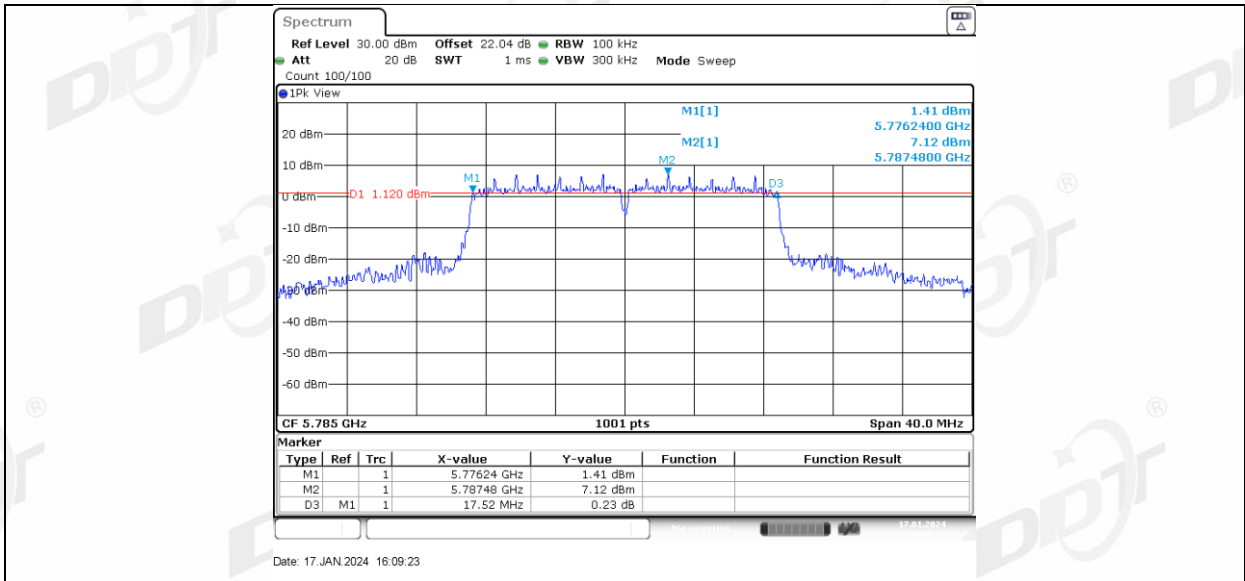
11N40MIMO Ant1 5755



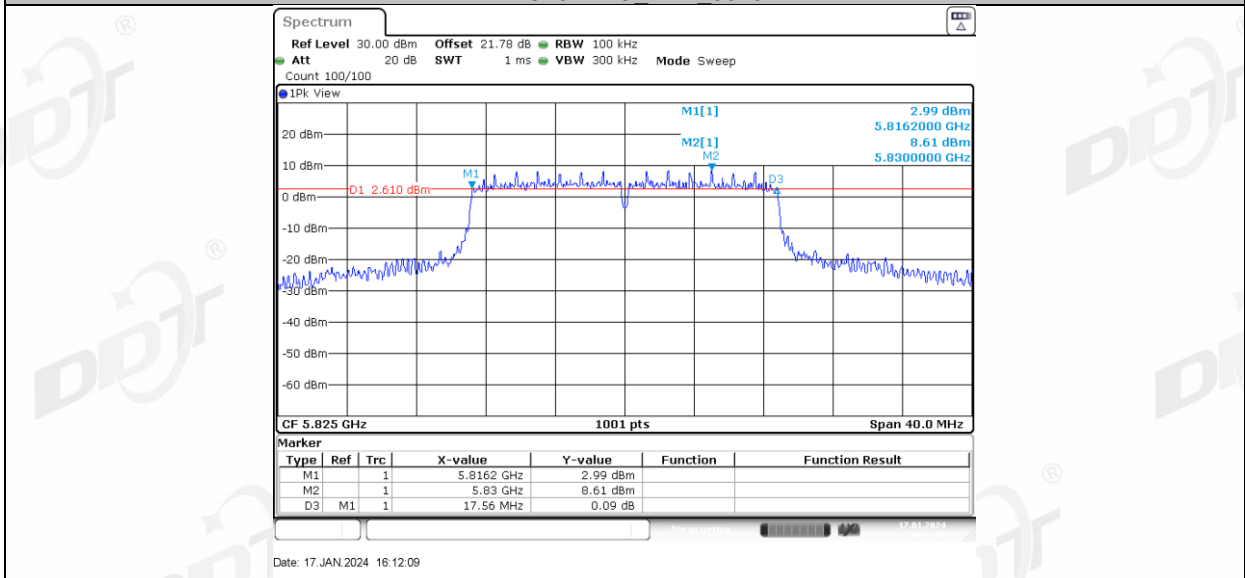
11N40MIMO Ant2 5755



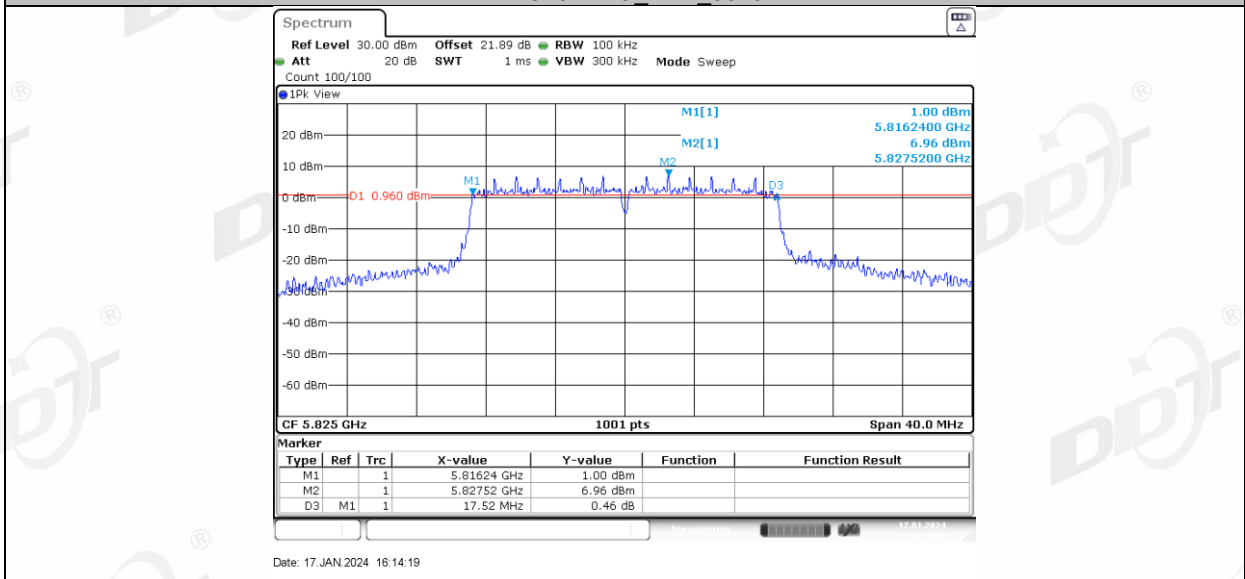




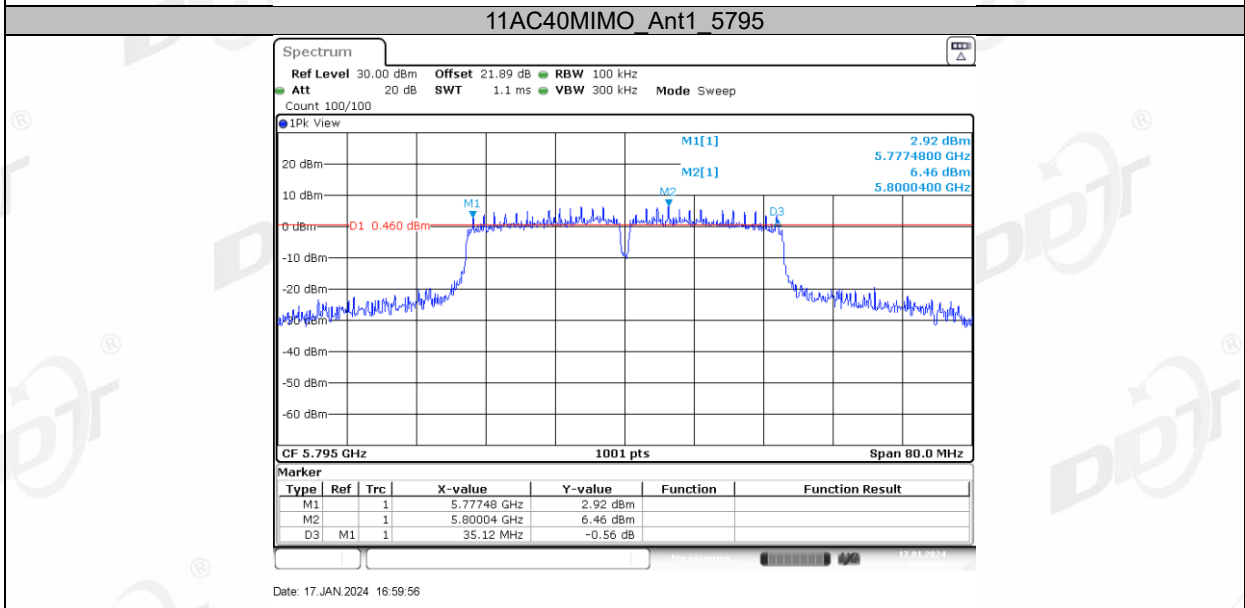
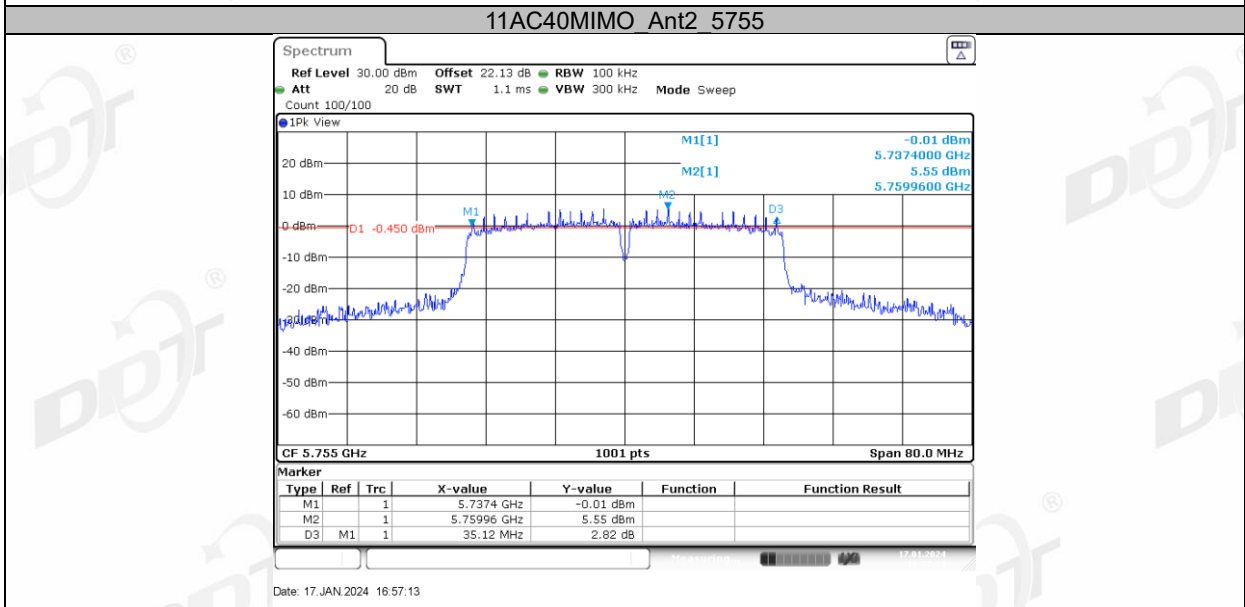
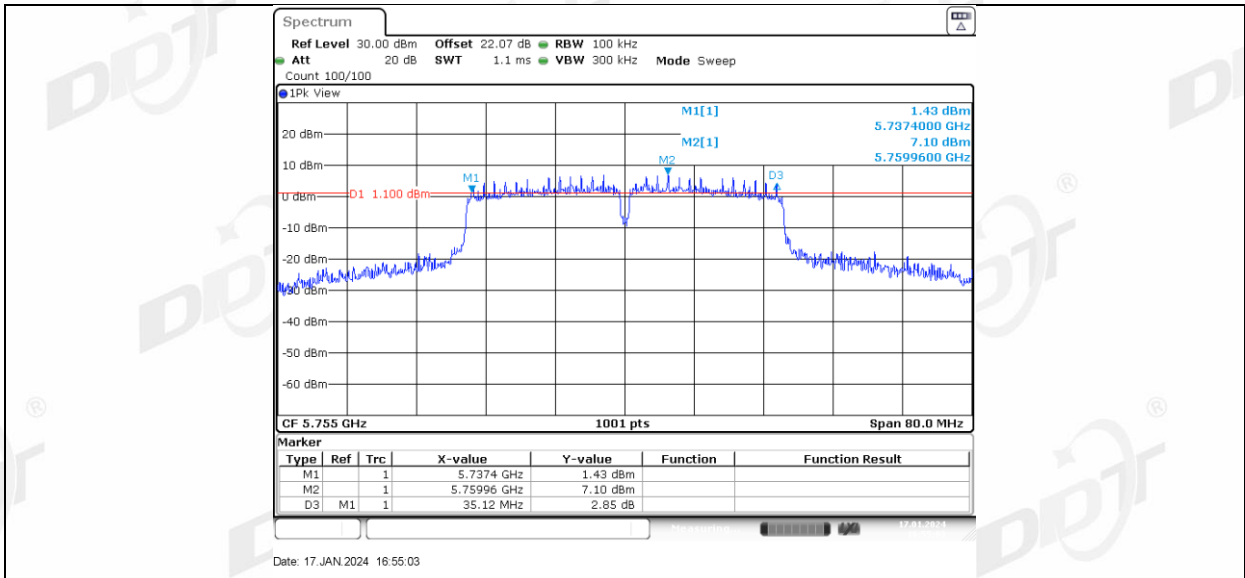
11AC20MIMO Ant1 5825

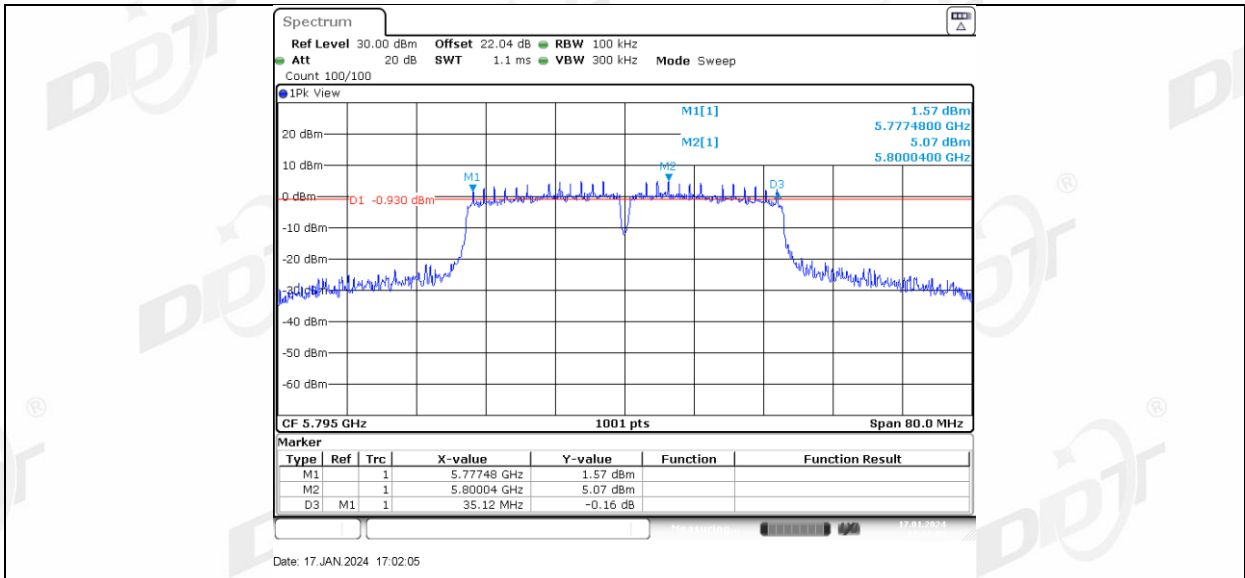


11AC20MIMO Ant2 5825

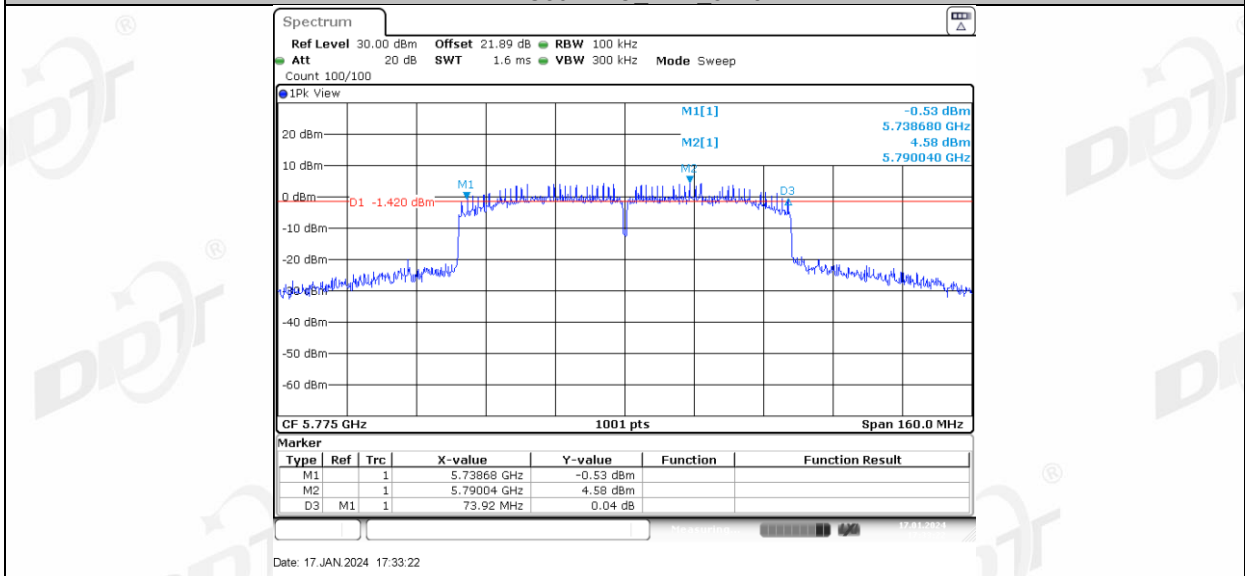


11AC40MIMO Ant1 5755

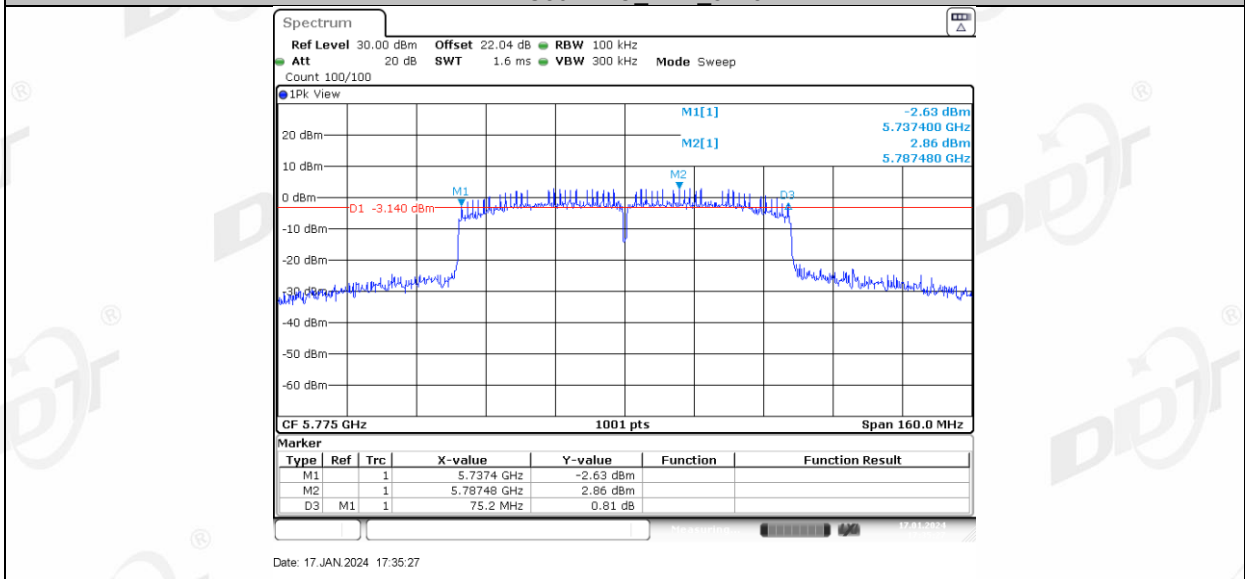




11AC80MIMO Ant1 5775

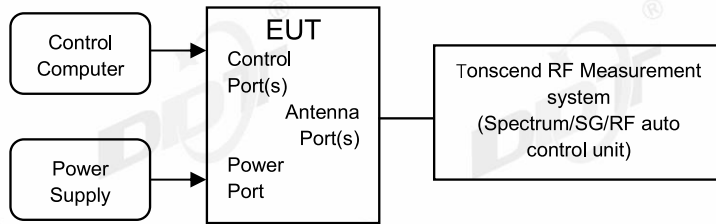


11AC80MIMO Ant2 5775



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
VBW	approximately three times the RBW
Trace	Max hold

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

6.4. Test result

Test Engineer:	Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	23.3~25.4℃,50.0~56.2%RH	Test Date:	2024.01.16-2024.01.17
Test Power Supply:	DC 5V	EUT:	Dynalink 4K Streaming Box
Sample Number:	S23041927-02	Model No.:	DL-GT36

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.623	5171.6883	5188.3117	---	---
	Ant2	5180	16.623	5171.6883	5188.3117	---	---
	Ant1	5200	16.623	5191.6484	5208.2717	---	---
	Ant2	5200	16.623	5191.6484	5208.2717	---	---
	Ant1	5240	16.583	5231.6883	5248.2717	---	---
	Ant2	5240	16.583	5231.6883	5248.2717	---	---
	Ant1	5260	16.583	5251.6484	5268.2318	---	---
	Ant2	5260	16.583	5251.6883	5268.2717	---	---
	Ant1	5280	16.623	5271.6883	5288.3117	---	---
	Ant2	5280	16.623	5271.6883	5288.3117	---	---
	Ant1	5320	16.663	5311.6484	5328.3117	---	---
	Ant2	5320	16.583	5311.6883	5328.2717	---	---
	Ant1	5500	17.103	5491.5285	5508.6314	---	---
	Ant2	5500	17.343	5491.4885	5508.8312	---	---
	Ant1	5580	17.502	5571.3287	5588.8312	---	---
	Ant2	5580	19.141	5570.7692	5589.9101	---	---

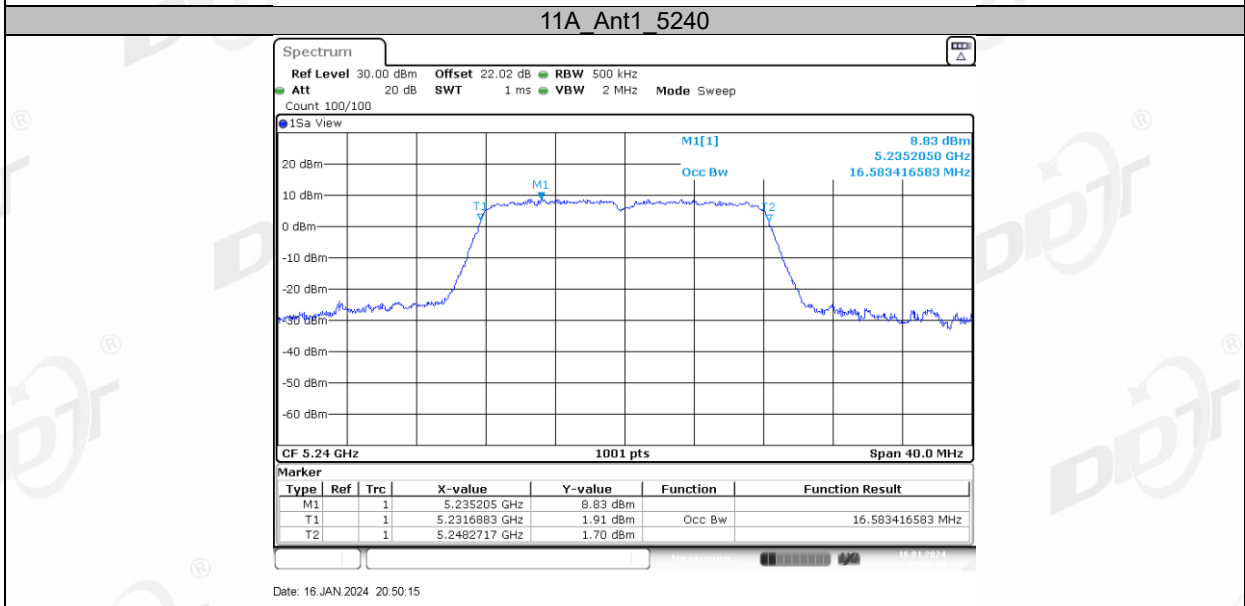
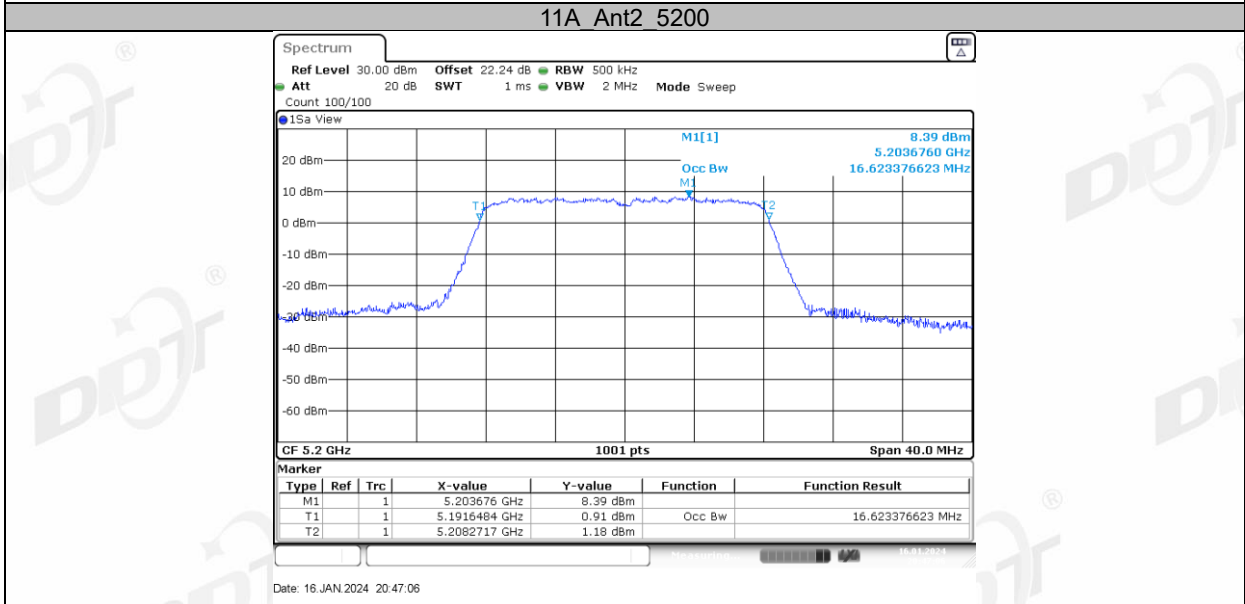
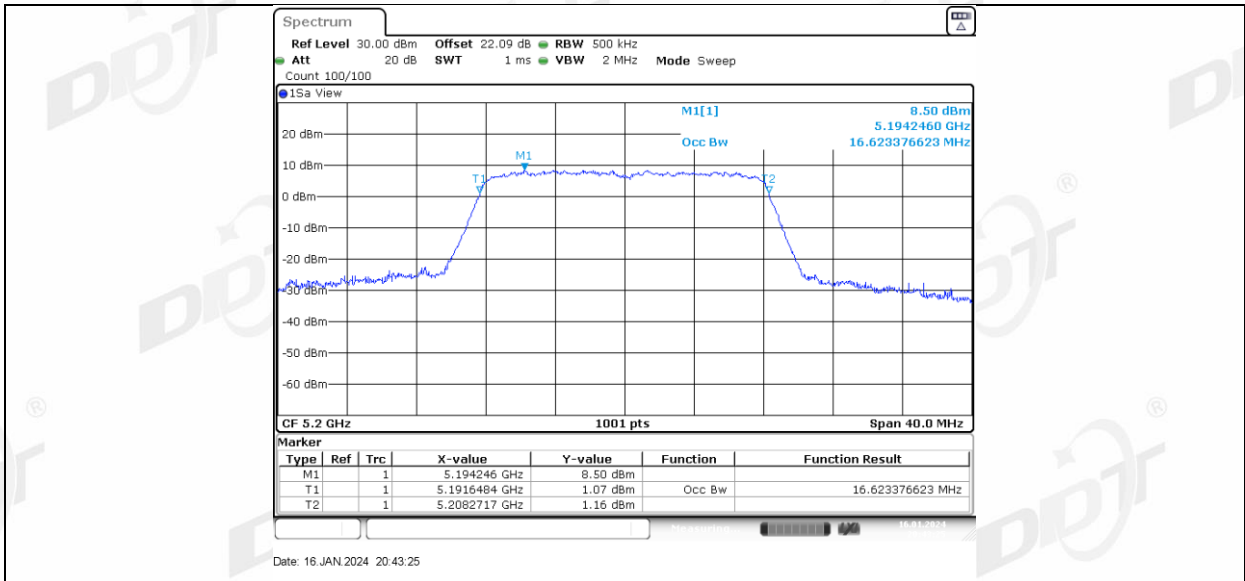
	Ant1	5700	16.903	5691.5285	5708.4316	---	---	
	Ant2	5700	17.023	5691.5285	5708.5514	---	---	
	Ant1	5720	16.783	5711.5684	5728.3516	---	---	
	Ant2	5720	16.943	5711.5285	5728.4715	---	---	
	Ant1	5720 UNII-2C	13.432	5711.5684	5725	---	---	
	Ant2	5720 UNII-2C	13.471	5711.5285	5725	---	---	
	Ant1	5720 UNII-3	3.352	5725	5728.3516	---	---	
	Ant2	5720 UNII-3	3.471	5725	5728.4715	---	---	
	Ant1	5745	21.738	5734.8501	5756.5884	---	---	
	Ant2	5745	17.742	5736.2887	5754.0310	---	---	
	Ant1	5785	17.343	5776.3287	5793.6713	---	---	
	Ant2	5785	19.221	5776.2088	5795.4296	---	---	
	Ant1	5825	17.183	5816.3686	5833.5514	---	---	
	Ant2	5825	19.341	5815.8092	5835.1499	---	---	
	11N20MIMO	Ant1	5180	17.662	5171.1688	5188.8312	---	---
		Ant2	5180	17.702	5171.1289	5188.8312	---	---
Ant1		5200	17.622	5191.1688	5208.7912	---	---	
Ant2		5200	17.702	5191.1289	5208.8312	---	---	
Ant1		5240	17.622	5231.1688	5248.7912	---	---	
Ant2		5240	17.742	5231.1289	5248.8711	---	---	
Ant1		5260	17.662	5251.1688	5268.8312	---	---	
Ant2		5260	17.742	5251.1289	5268.8711	---	---	
Ant1		5280	17.622	5271.1688	5288.7912	---	---	
Ant2		5280	17.662	5271.1688	5288.8312	---	---	
Ant1		5320	17.622	5311.1688	5328.7912	---	---	
Ant2		5320	17.702	5311.1289	5328.8312	---	---	
Ant1		5500	17.742	5491.1289	5508.8711	---	---	
Ant2		5500	17.782	5491.1289	5508.9111	---	---	
Ant1		5580	18.062	5571.0090	5589.0709	---	---	
Ant2		5580	18.182	5571.0090	5589.1908	---	---	
Ant1		5700	17.862	5691.0490	5708.9111	---	---	
Ant2		5700	18.062	5690.9291	5708.9910	---	---	
Ant1		5720	17.622	5711.1688	5728.7912	---	---	
Ant2		5720	17.662	5711.1289	5728.7912	---	---	
Ant1		5720 UNII-2C	13.831	5711.1688	5725	---	---	
Ant2		5720 UNII-2C	13.871	5711.1289	5725	---	---	
Ant1		5720 UNII-3	3.791	5725	5728.7912	---	---	
Ant2		5720 UNII-3	3.791	5725	5728.7912	---	---	
Ant1		5745	17.902	5736.0490	5753.9510	---	---	
Ant2		5745	17.902	5736.0889	5753.9910	---	---	
Ant1		5785	17.902	5776.0490	5793.9510	---	---	
Ant2		5785	18.022	5776.0090	5794.0310	---	---	
Ant1		5825	17.862	5816.0889	5833.9510	---	---	
Ant2		5825	18.342	5815.9690	5834.3107	---	---	
11N40MIMO		Ant1	5190	36.204	5171.8581	5208.0619	---	---
		Ant2	5190	36.364	5171.9381	5208.3017	---	---
	Ant1	5230	36.204	5211.8581	5248.0619	---	---	
	Ant2	5230	36.364	5211.8581	5248.2218	---	---	
	Ant1	5270	36.284	5251.8581	5288.1419	---	---	
	Ant2	5270	36.364	5251.9381	5288.3017	---	---	
	Ant1	5310	36.204	5291.8581	5328.0619	---	---	
	Ant2	5310	36.284	5291.8581	5328.1419	---	---	
	Ant1	5510	36.204	5491.9381	5528.1419	---	---	
	Ant2	5510	36.364	5491.9381	5528.3017	---	---	
	Ant1	5550	36.444	5531.8581	5568.3017	---	---	
	Ant2	5550	36.364	5531.8581	5568.2218	---	---	
	Ant1	5670	36.204	5651.8581	5688.0619	---	---	
	Ant2	5670	36.284	5651.8581	5688.1419	---	---	
	Ant1	5710	36.204	5691.8581	5728.0619	---	---	
	Ant2	5710	36.364	5691.7782	5728.1419	---	---	
	Ant1	5710 UNII-2C	33.142	5691.8581	5725	---	---	
	Ant2	5710 UNII-2C	33.222	5691.7782	5725	---	---	
	Ant1	5710 UNII-3	3.062	5725	5728.0619	---	---	
	Ant2	5710 UNII-3	3.142	5725	5728.1419	---	---	

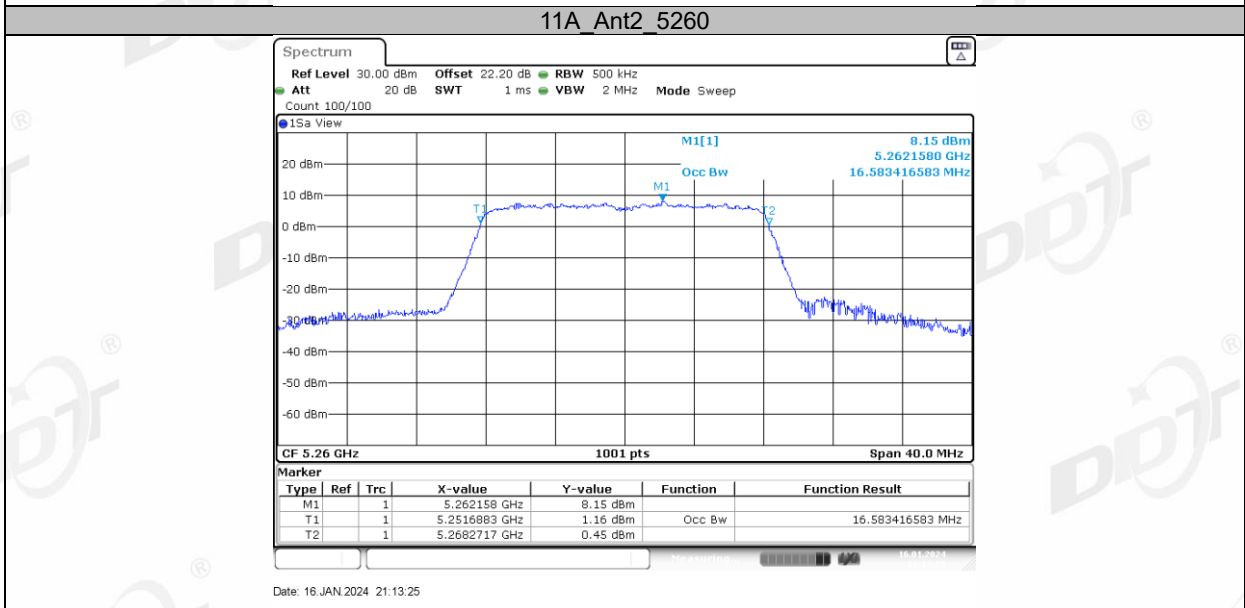
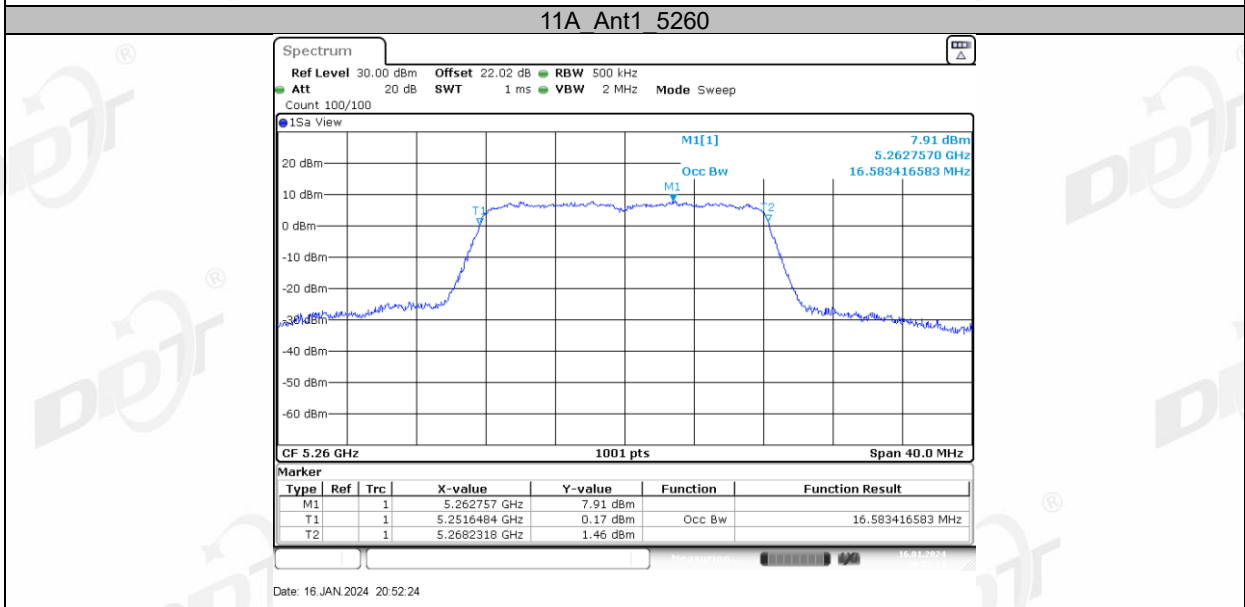
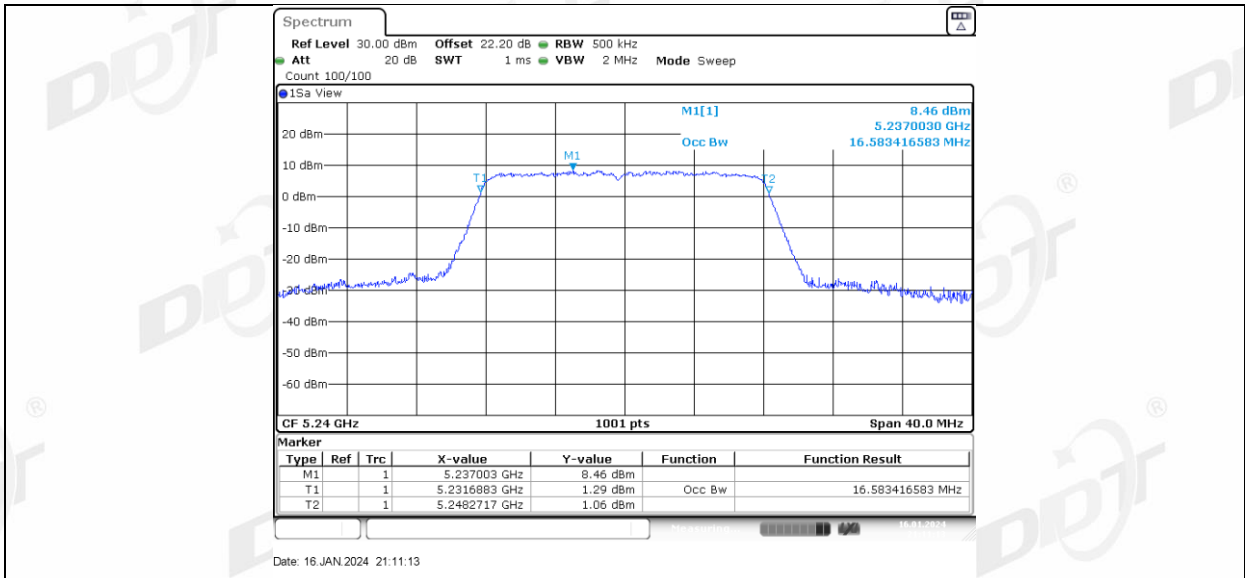
	Ant1	5755	36.763	5736.6983	5773.4615	---	---	
	Ant2	5755	36.763	5736.6184	5773.3816	---	---	
	Ant1	5795	36.683	5776.6184	5813.3017	---	---	
	Ant2	5795	36.683	5776.6983	5813.3816	---	---	
11AC20MIMO	Ant1	5180	17.662	5171.1688	5188.8312	---	---	
	Ant2	5180	17.702	5171.1289	5188.8312	---	---	
	Ant1	5200	17.622	5191.1688	5208.7912	---	---	
	Ant2	5200	17.742	5191.0889	5208.8312	---	---	
	Ant1	5240	17.622	5231.1688	5248.7912	---	---	
	Ant2	5240	17.702	5231.1289	5248.8312	---	---	
	Ant1	5260	17.622	5251.1688	5268.7912	---	---	
	Ant2	5260	17.742	5251.1289	5268.8711	---	---	
	Ant1	5280	17.662	5271.1688	5288.8312	---	---	
	Ant2	5280	17.702	5271.1289	5288.8312	---	---	
	Ant1	5320	17.662	5311.1688	5328.8312	---	---	
	Ant2	5320	17.702	5311.1289	5328.8312	---	---	
	Ant1	5500	17.702	5491.1688	5508.8711	---	---	
	Ant2	5500	17.782	5491.1289	5508.9111	---	---	
	Ant1	5580	17.702	5571.1289	5588.8312	---	---	
	Ant2	5580	18.222	5570.9690	5589.1908	---	---	
	Ant1	5700	17.662	5691.1688	5708.8312	---	---	
	Ant2	5700	17.822	5691.0889	5708.9111	---	---	
	Ant1	5720	17.702	5711.1289	5728.8312	---	---	
	Ant2	5720	17.782	5711.0889	5728.8711	---	---	
	Ant1	5720 UNII-2C	13.871	5711.1289	5725	---	---	
	Ant2	5720 UNII-2C	13.911	5711.0889	5725	---	---	
	Ant1	5720 UNII-3	3.831	5725	5728.8312	---	---	
	Ant2	5720 UNII-3	3.871	5725	5728.8711	---	---	
	Ant1	5745	17.822	5736.0889	5753.9111	---	---	
	Ant2	5745	18.062	5736.0490	5754.1109	---	---	
	Ant1	5785	17.862	5776.0889	5793.9510	---	---	
	Ant2	5785	18.182	5775.9291	5794.1109	---	---	
	Ant1	5825	17.862	5816.0490	5833.9111	---	---	
	Ant2	5825	18.102	5816.0490	5834.1508	---	---	
	11AC40MIMO	Ant1	5190	35.964	5172.0180	5207.9820	---	---
		Ant2	5190	36.364	5171.8581	5208.2218	---	---
Ant1		5230	36.284	5211.7782	5248.0619	---	---	
Ant2		5230	36.444	5211.8581	5248.3017	---	---	
Ant1		5270	36.444	5251.7782	5288.2218	---	---	
Ant2		5270	36.364	5251.8581	5288.2218	---	---	
Ant1		5310	36.124	5291.9381	5328.0619	---	---	
Ant2		5310	36.603	5291.6983	5328.3017	---	---	
Ant1		5510	36.364	5491.9381	5528.3017	---	---	
Ant2		5510	36.763	5491.7782	5528.5415	---	---	
Ant1		5550	36.444	5531.8581	5568.3017	---	---	
Ant2		5550	36.603	5531.6983	5568.3017	---	---	
Ant1		5670	36.364	5651.8581	5688.2218	---	---	
Ant2		5670	36.763	5651.7782	5688.5415	---	---	
Ant1		5710	36.204	5691.8581	5728.0619	---	---	
Ant2		5710	36.364	5691.7782	5728.1419	---	---	
Ant1		5710 UNII-2C	33.142	5691.8581	5725	---	---	
Ant2		5710 UNII-2C	33.222	5691.7782	5725	---	---	
Ant1		5710 UNII-3	3.062	5725	5728.0619	---	---	
Ant2		5710 UNII-3	3.142	5725	5728.1419	---	---	
Ant1		5755	36.843	5736.6983	5773.5415	---	---	
Ant2		5755	36.763	5736.6983	5773.4615	---	---	
Ant1		5795	36.683	5776.6983	5813.3816	---	---	
Ant2		5795	36.923	5776.6184	5813.5415	---	---	
11AC80MIMO		Ant1	5210	75.125	5172.4376	5247.5624	---	---
		Ant2	5210	75.125	5172.4376	5247.5624	---	---
		Ant1	5290	75.125	5252.4376	5327.5624	---	---
		Ant2	5290	74.965	5252.5974	5327.5624	---	---
	Ant1	5530	75.285	5492.4376	5567.7223	---	---	
	Ant2	5530	75.285	5492.5974	5567.8821	---	---	

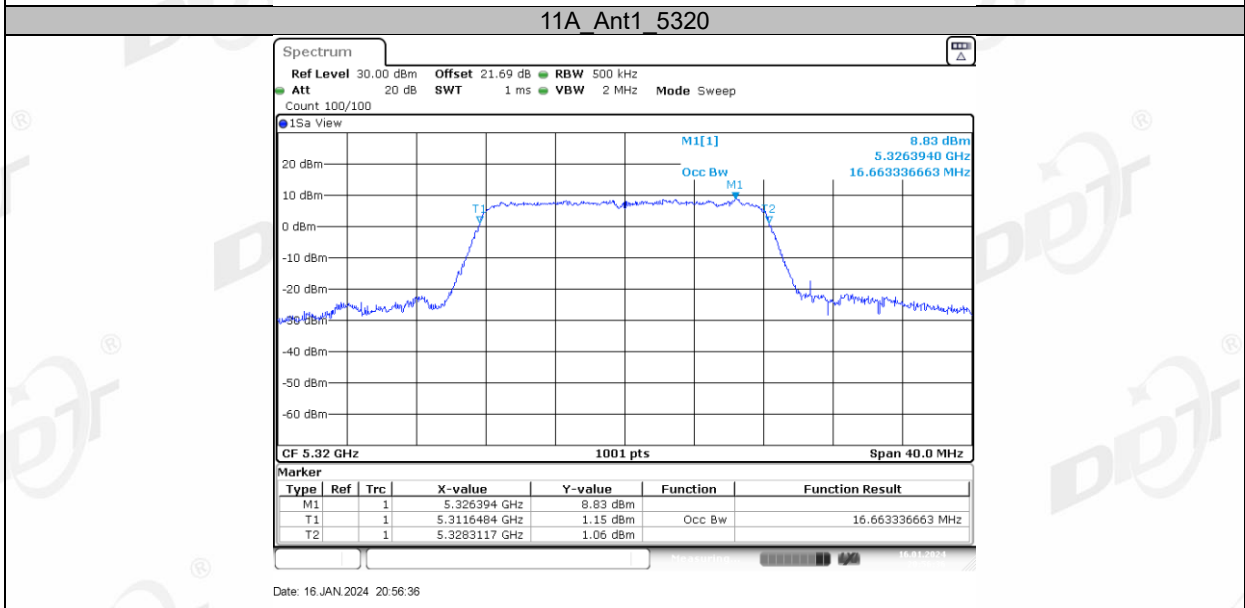
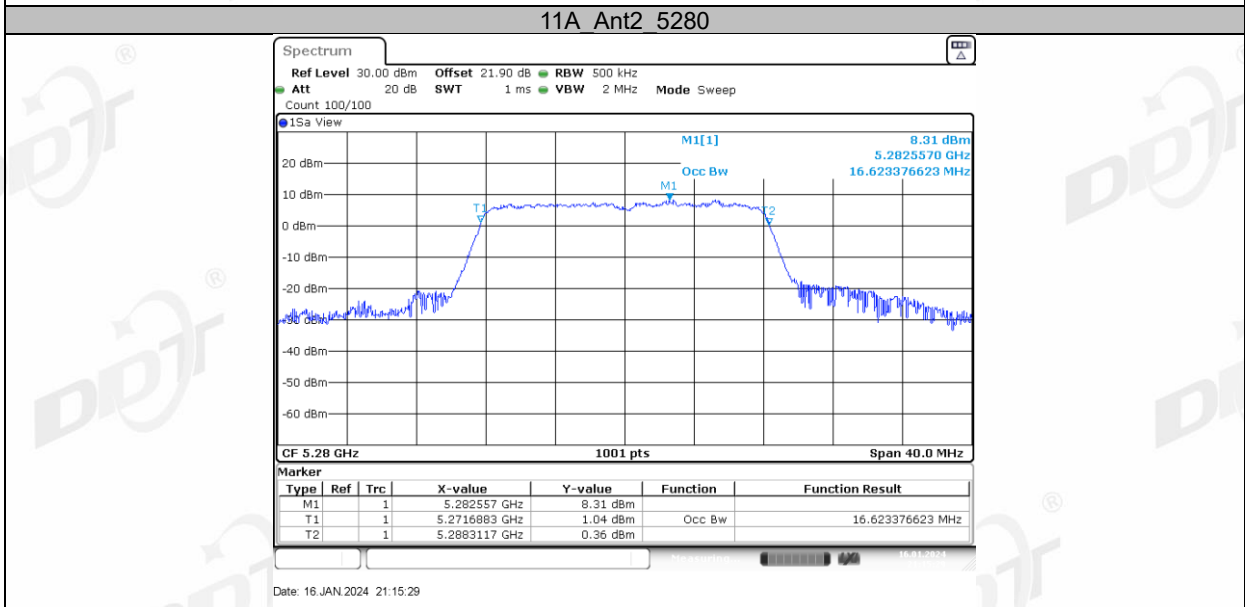
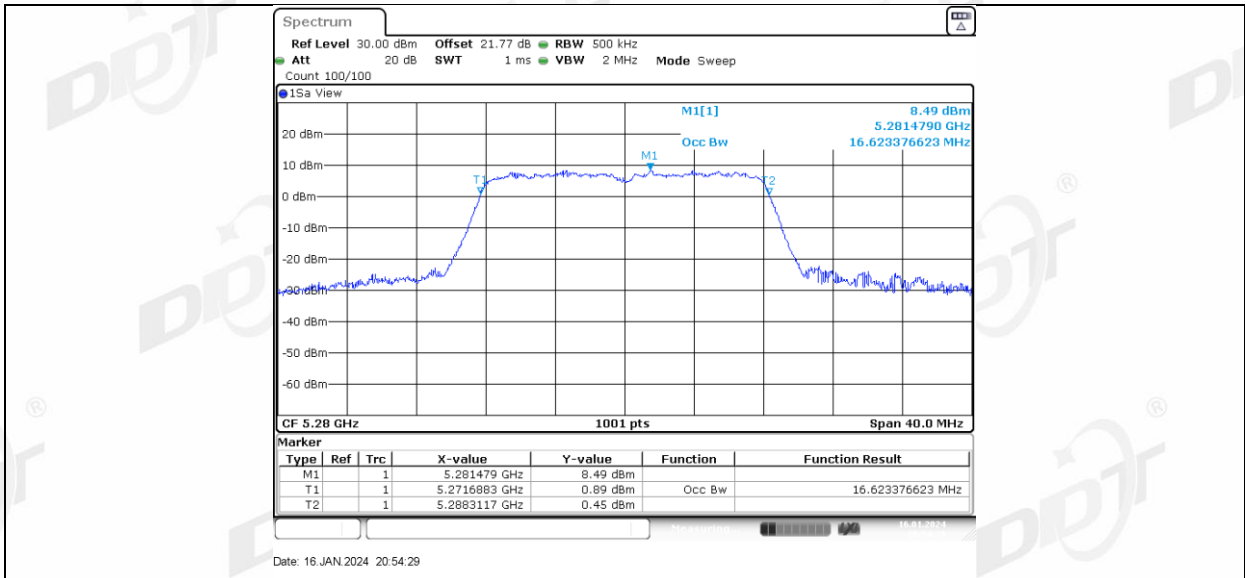
	Ant1	5610	75.285	5572.2777	5647.5624	---	---
	Ant2	5610	75.125	5572.4376	5647.5624	---	---
	Ant1	5690	74.805	5652.2777	5727.0829	---	---
	Ant2	5690	74.965	5652.2777	5727.2428	---	---
	Ant1	5690 UNII-2C	72.722	5652.2777	5725	---	---
	Ant2	5690 UNII-2C	72.722	5652.2777	5725	---	---
	Ant1	5690 UNII-3	2.083	5725	5727.0829	---	---
	Ant2	5690 UNII-3	2.243	5725	5727.2428	---	---
	Ant1	5775	75.764	5737.1179	5812.8821	---	---
	Ant2	5775	76.084	5736.9580	5813.0420	---	---

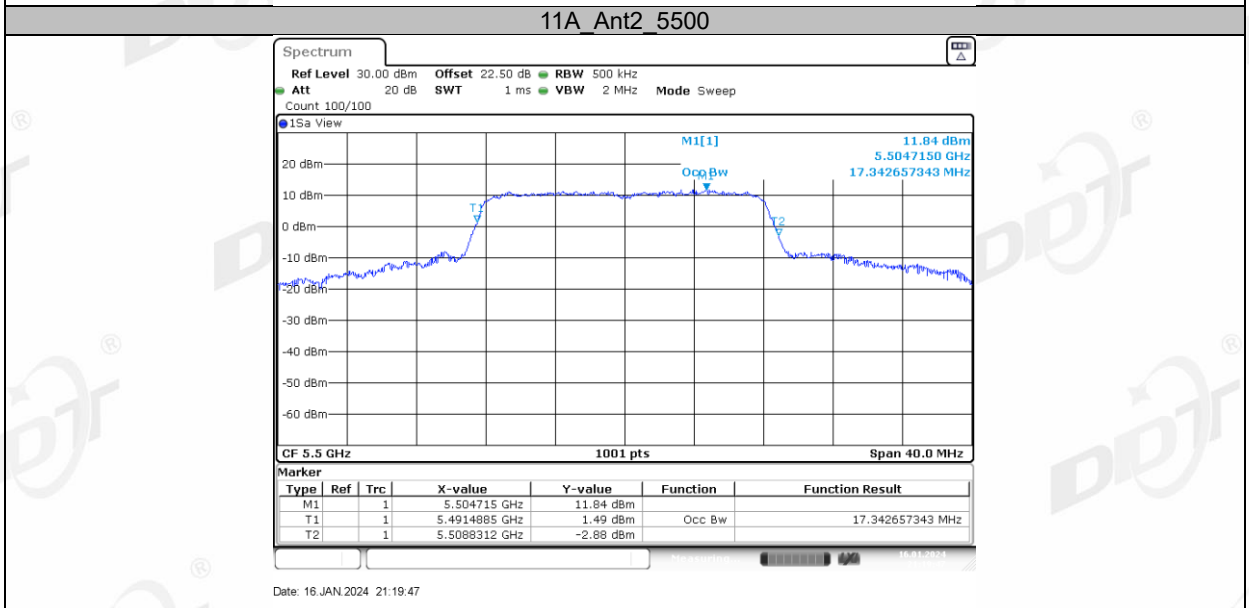
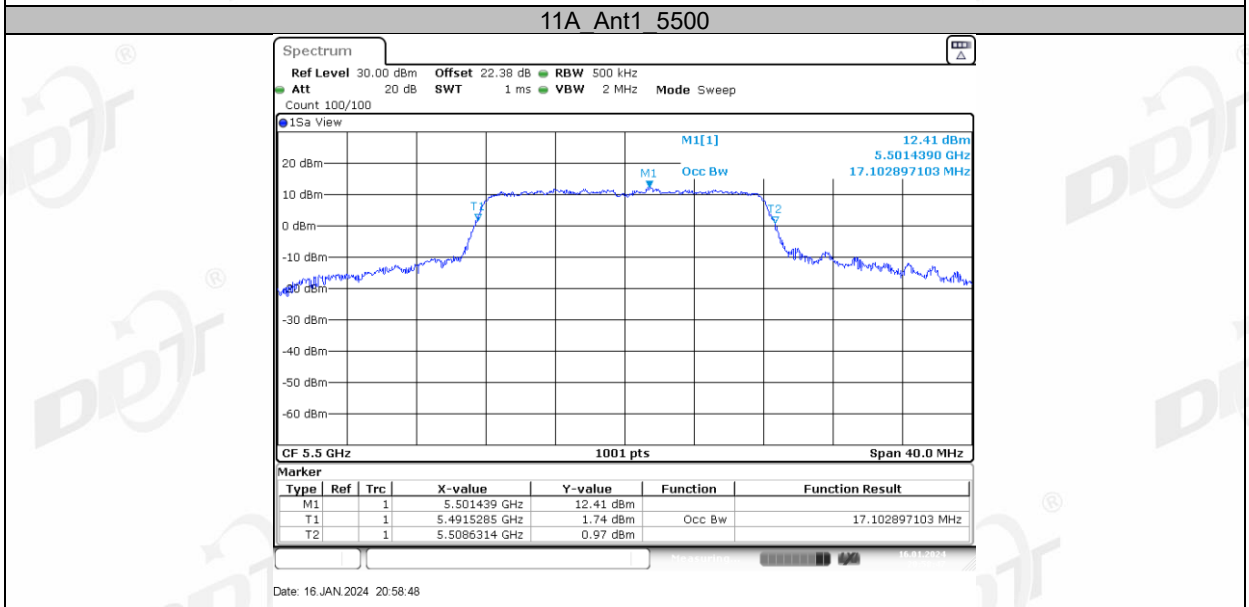
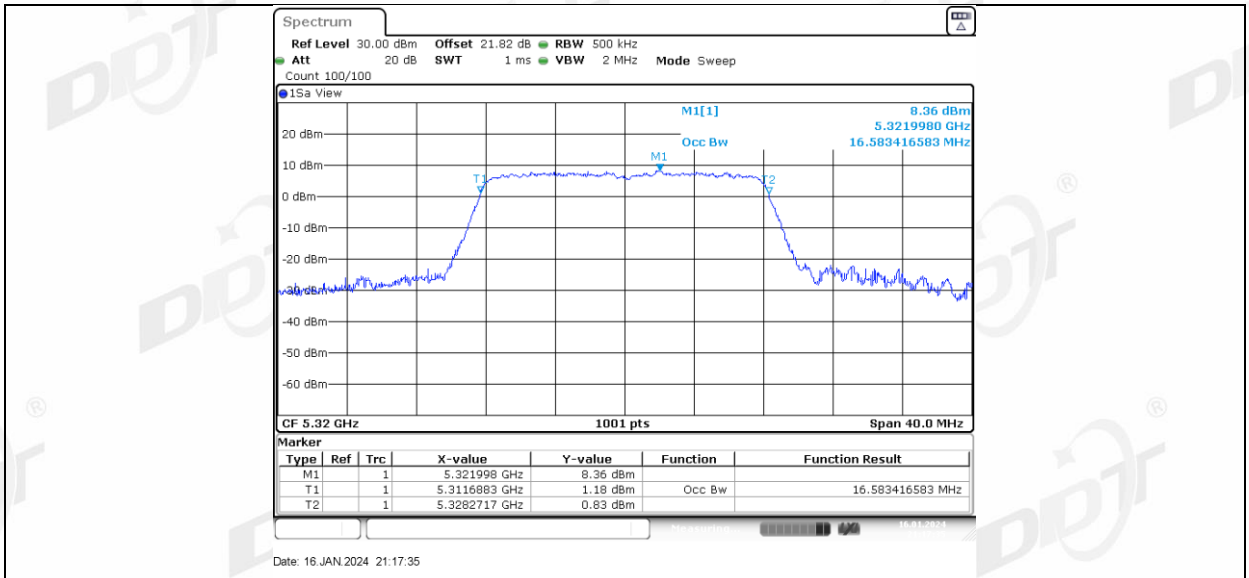
6.5. Test graphs

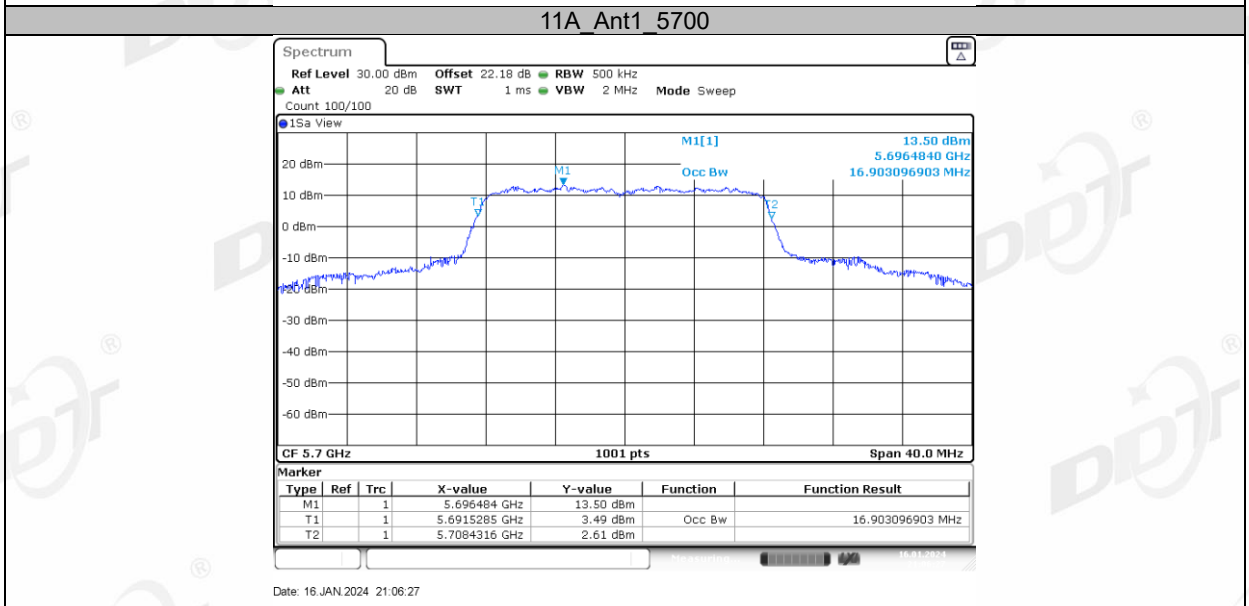
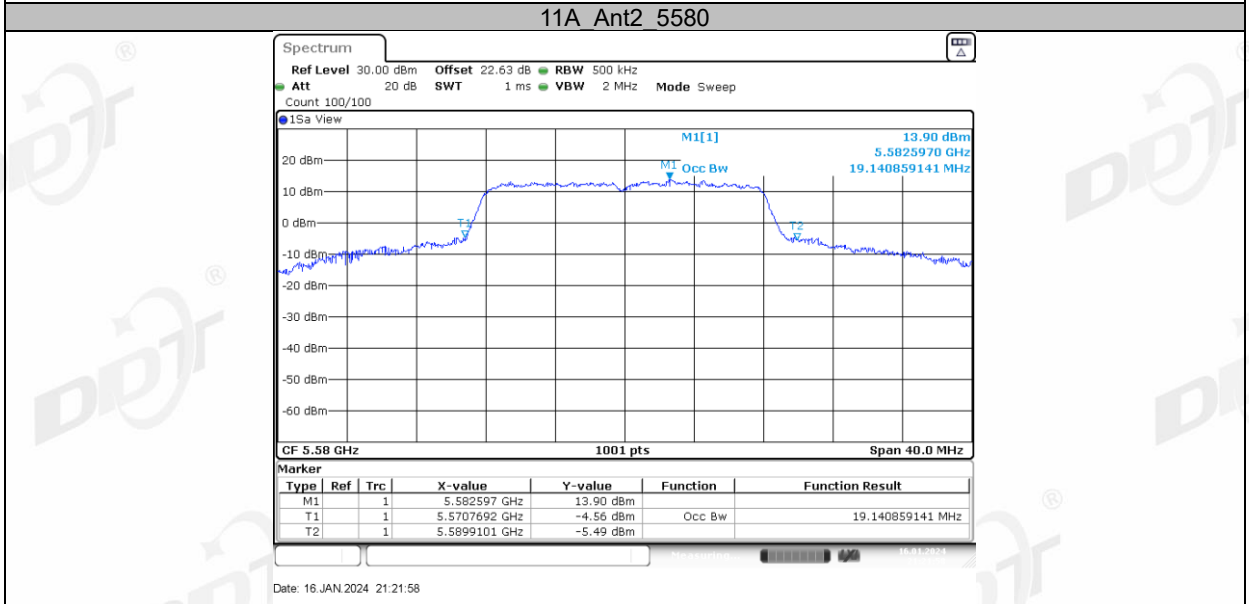
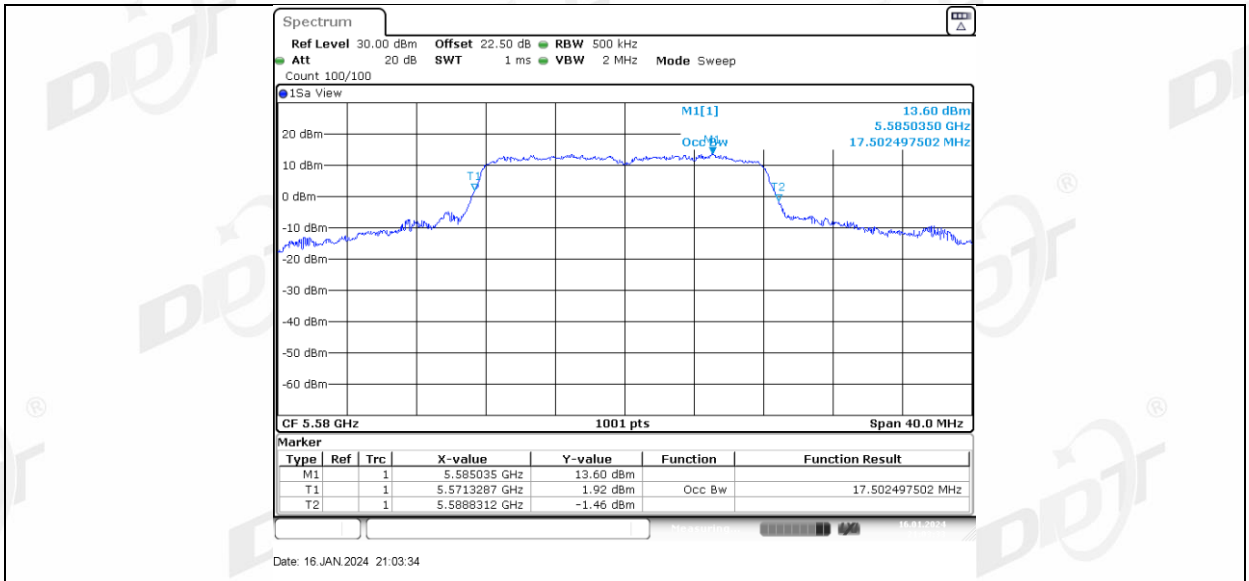


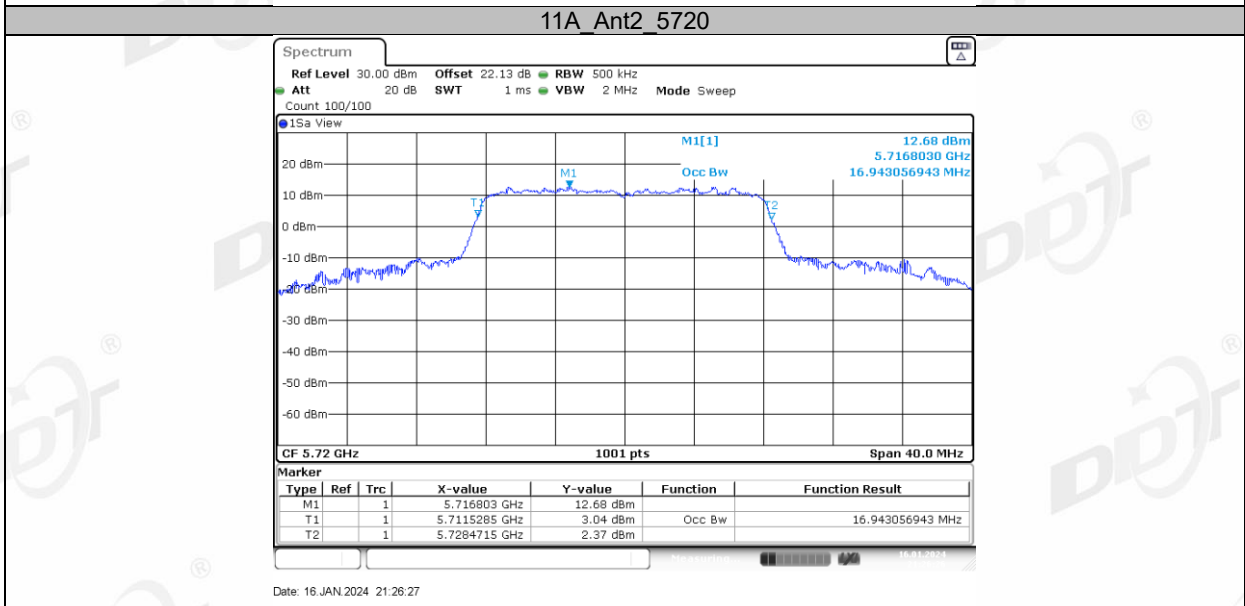
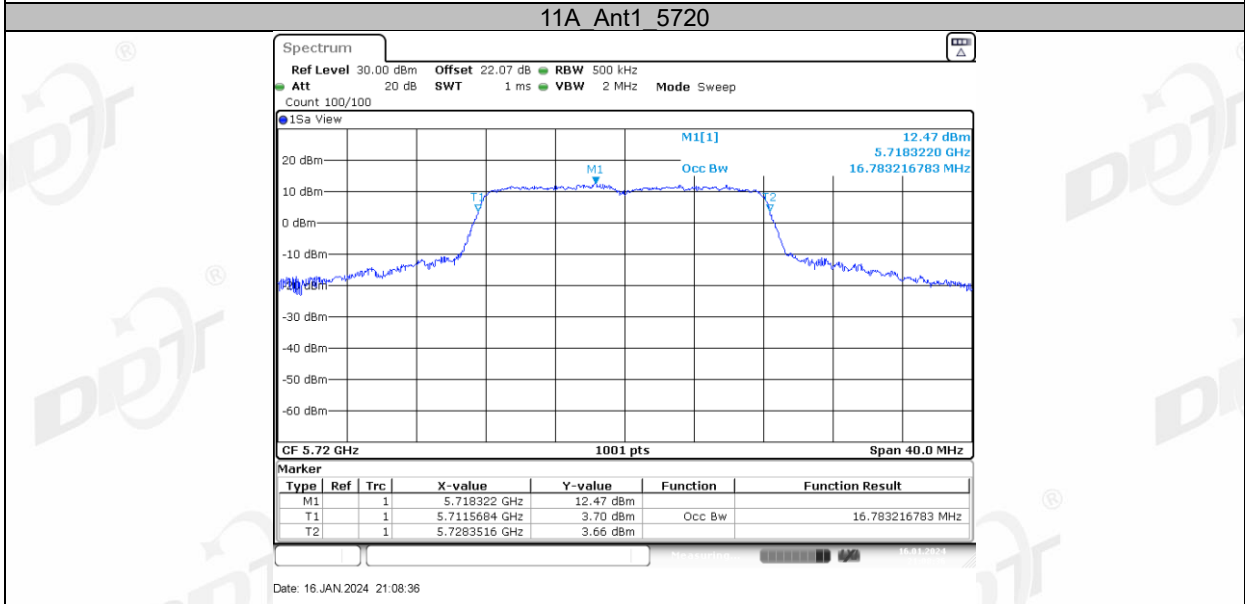
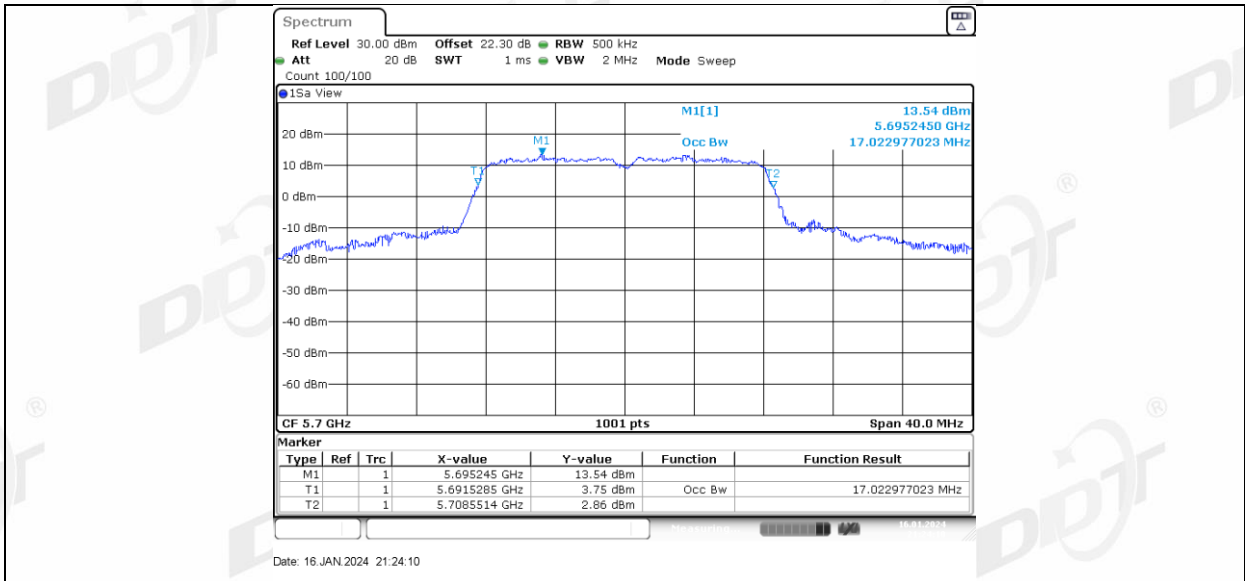


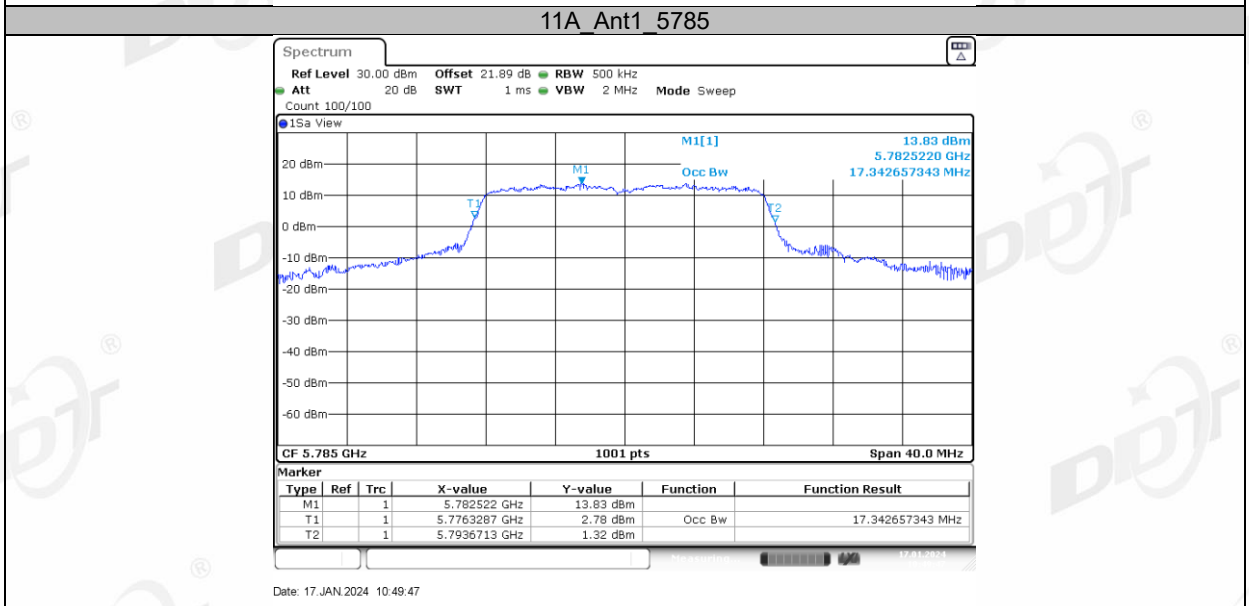
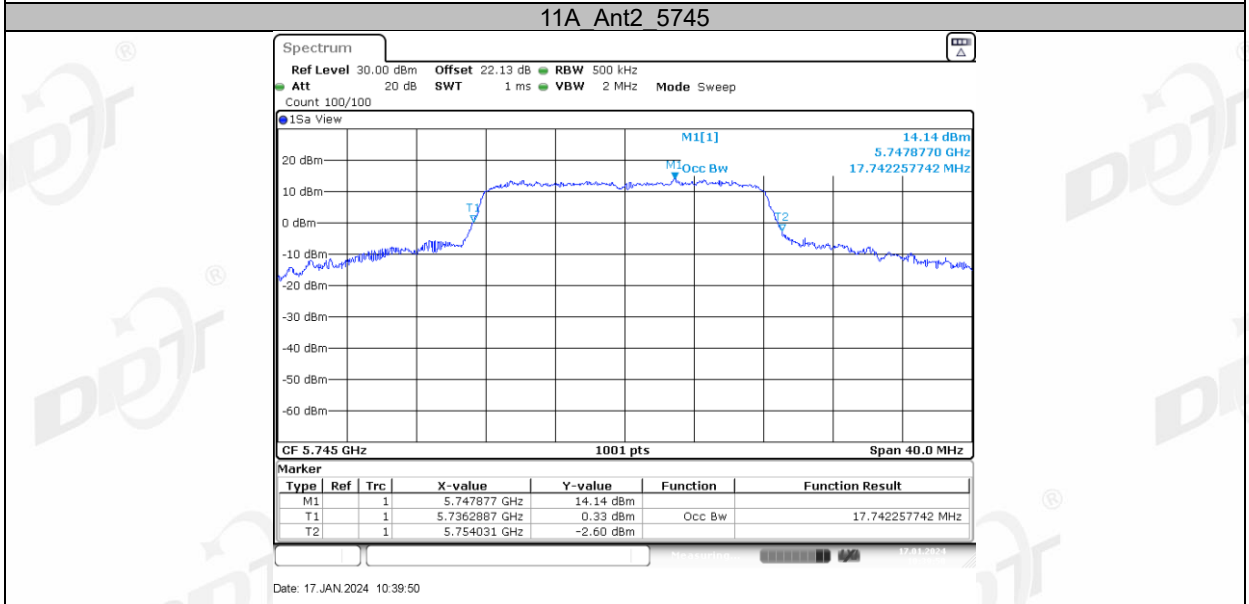
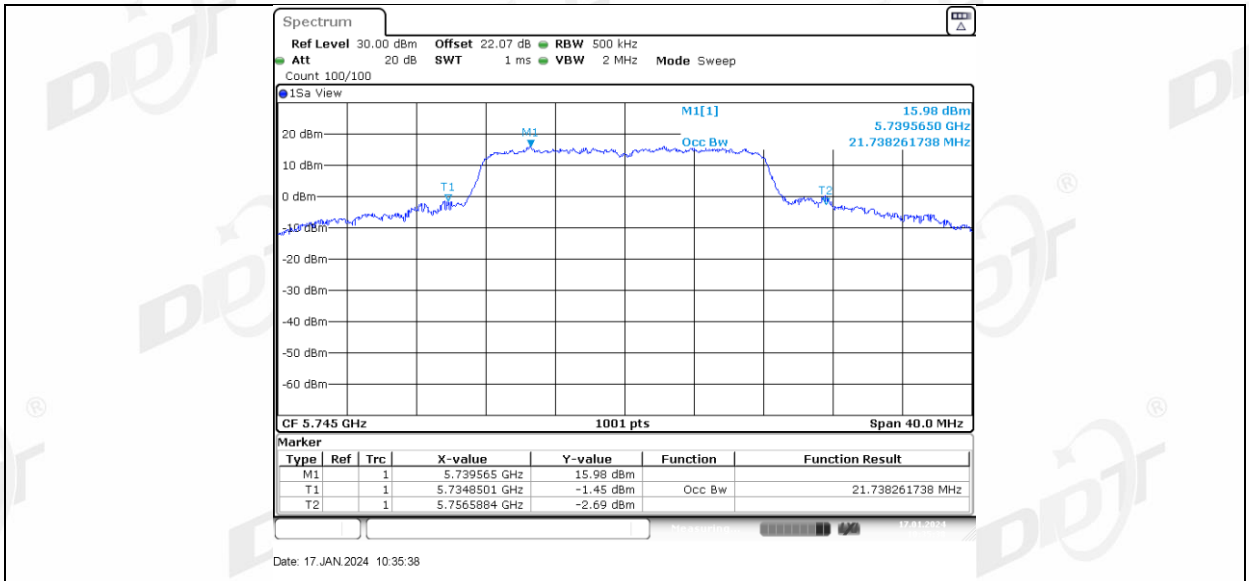


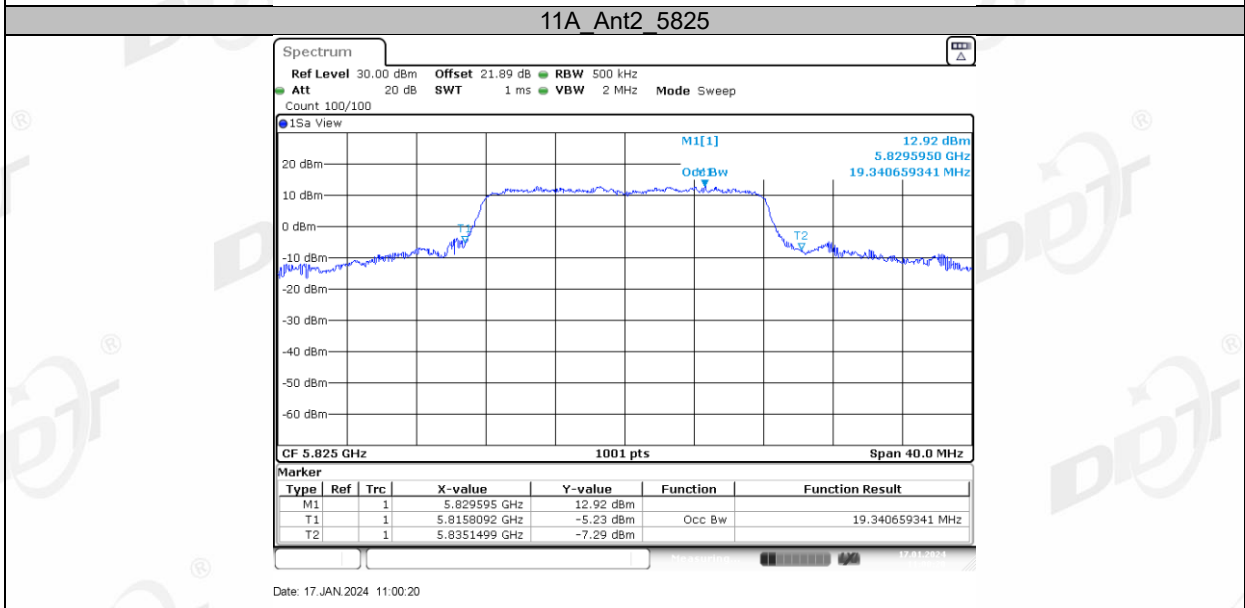
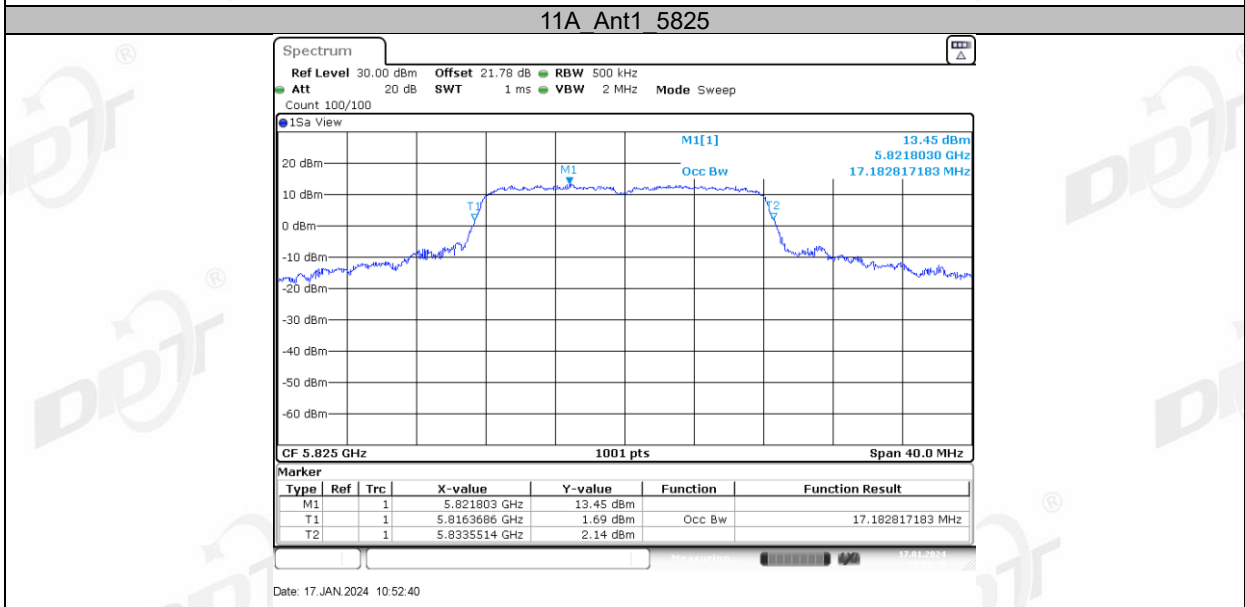
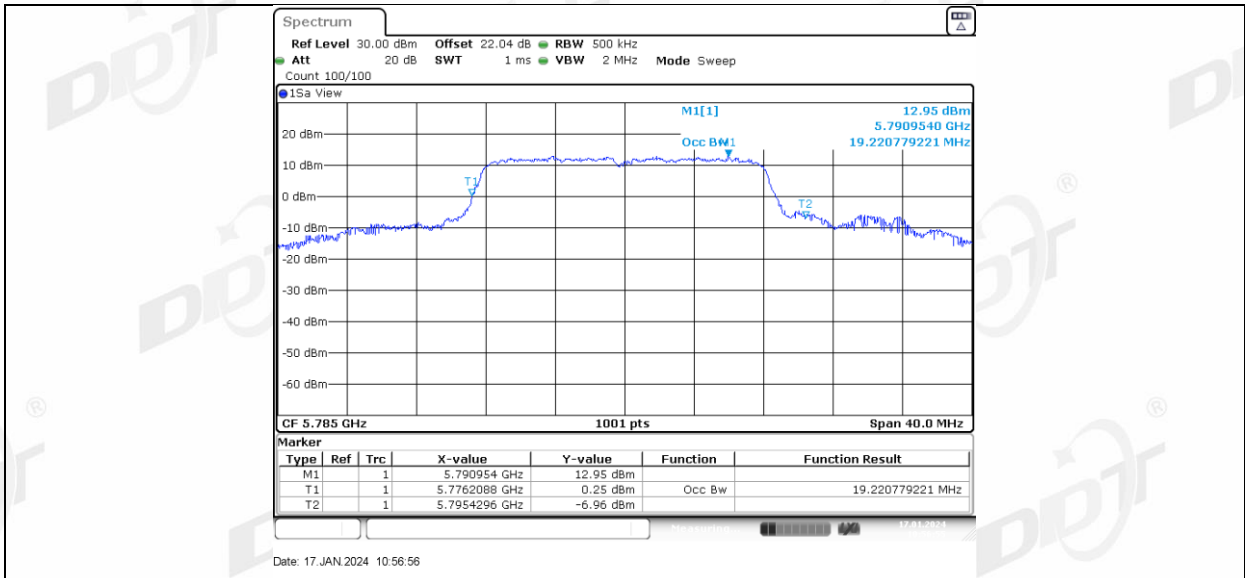


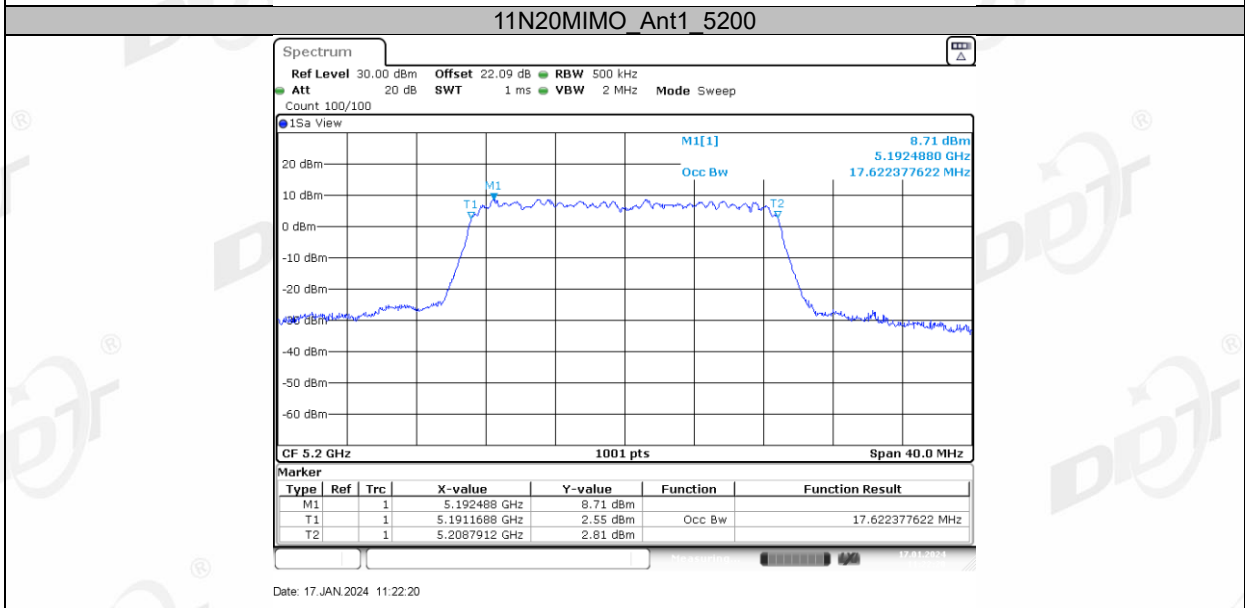
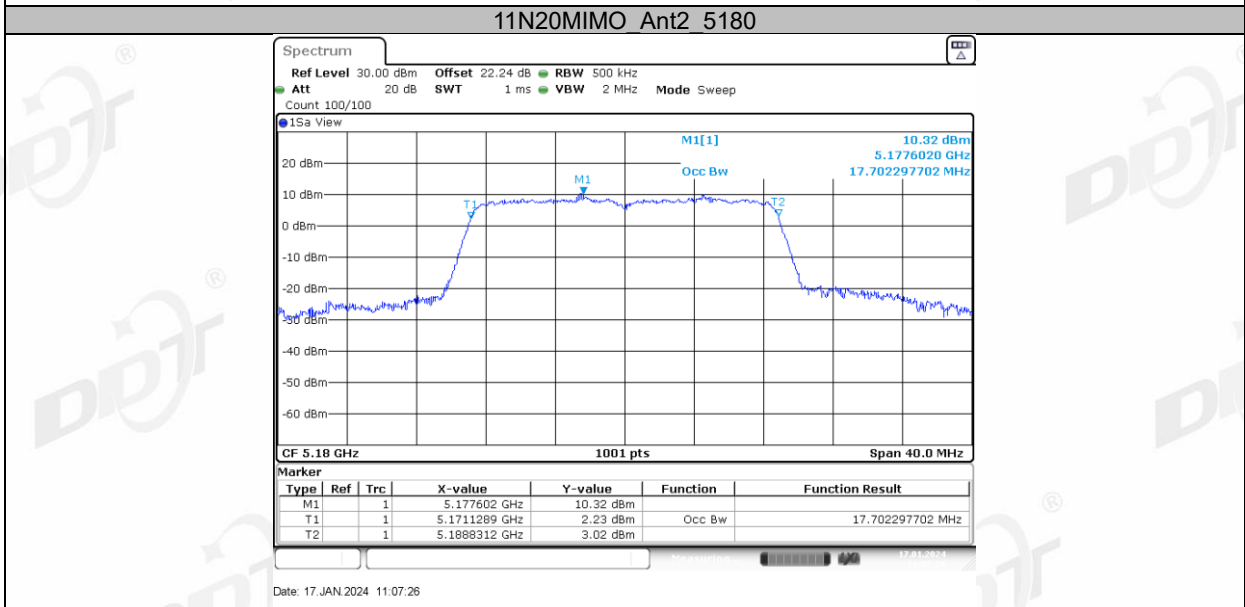
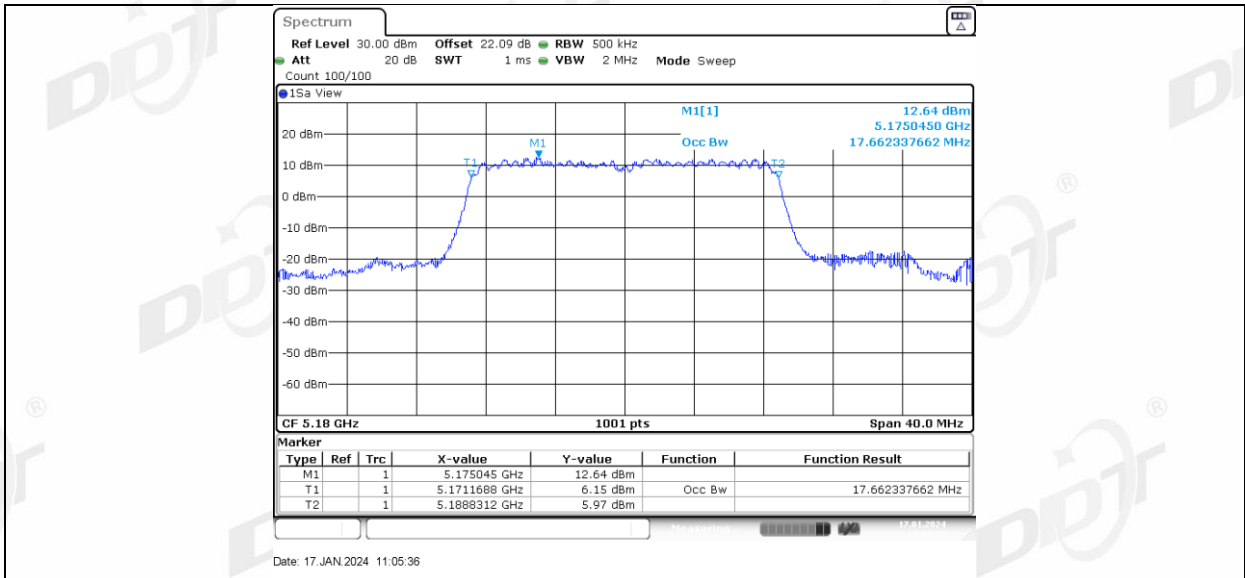


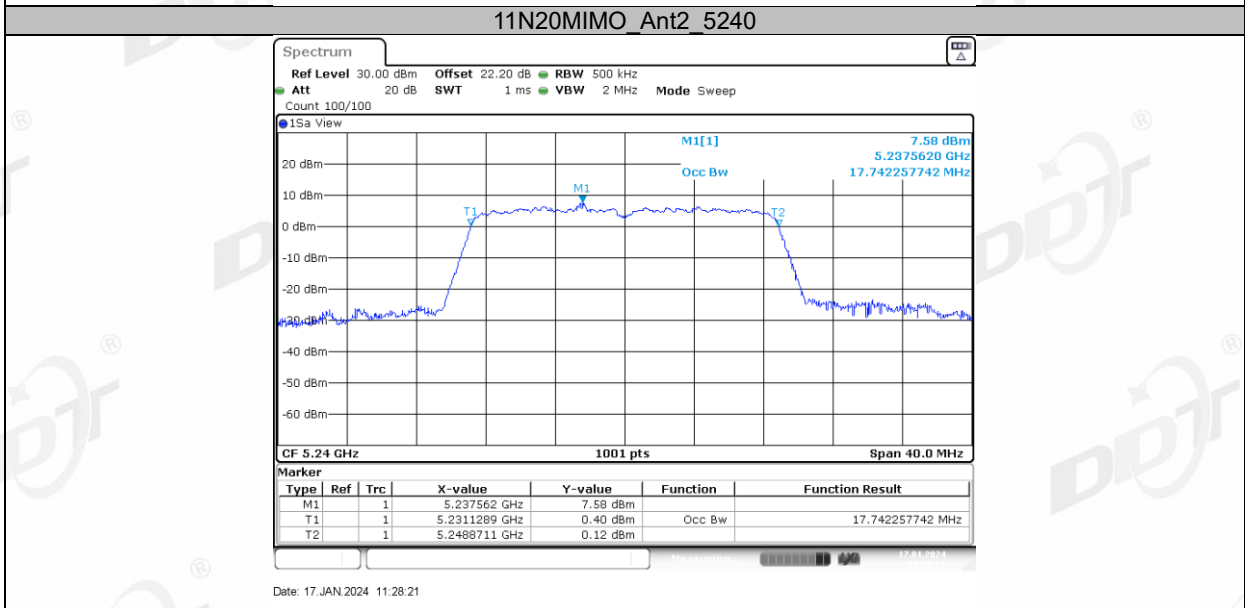
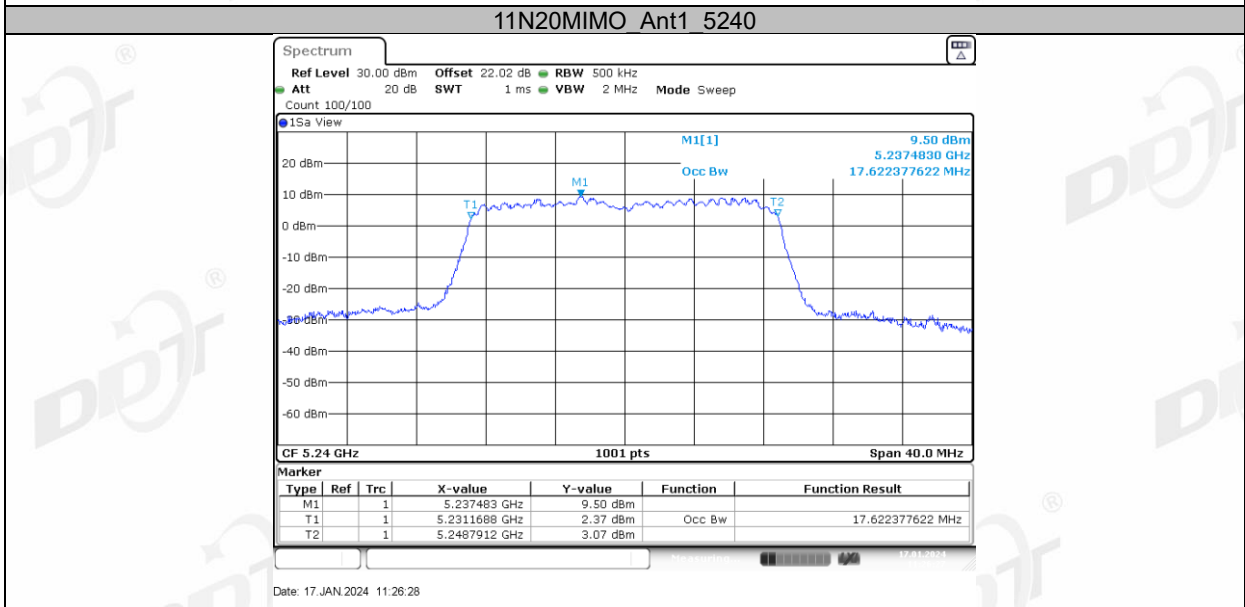
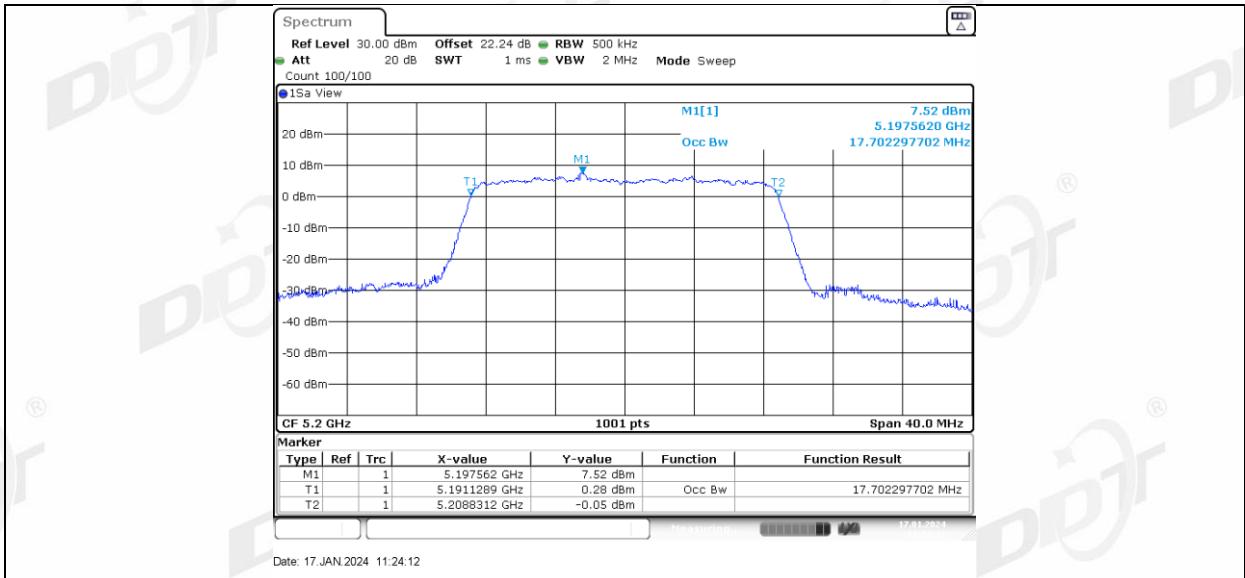












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