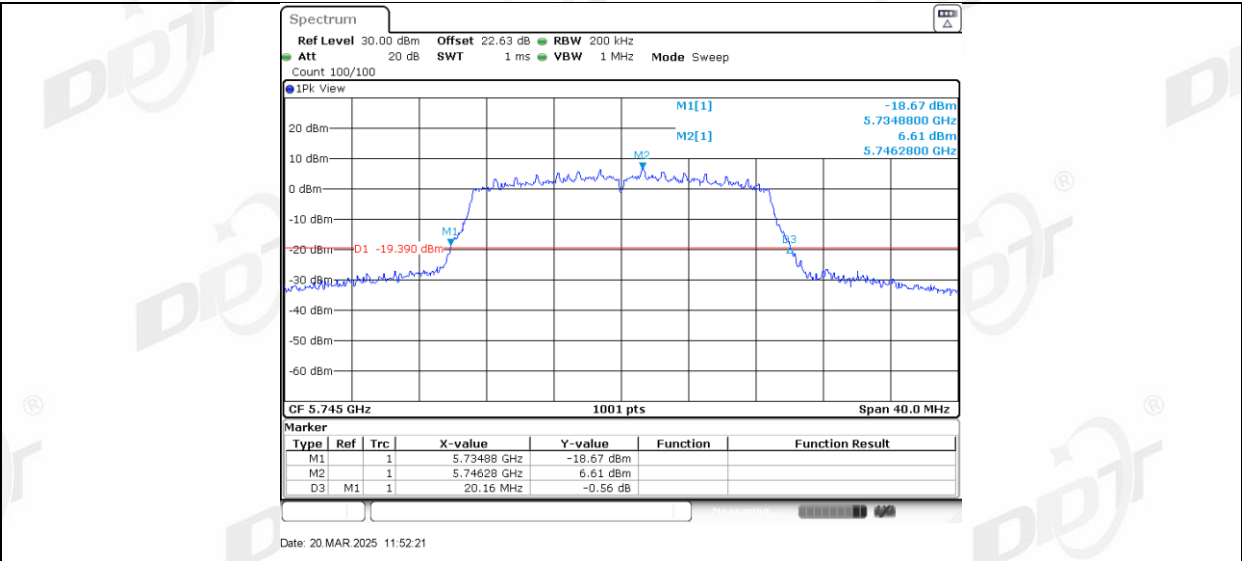
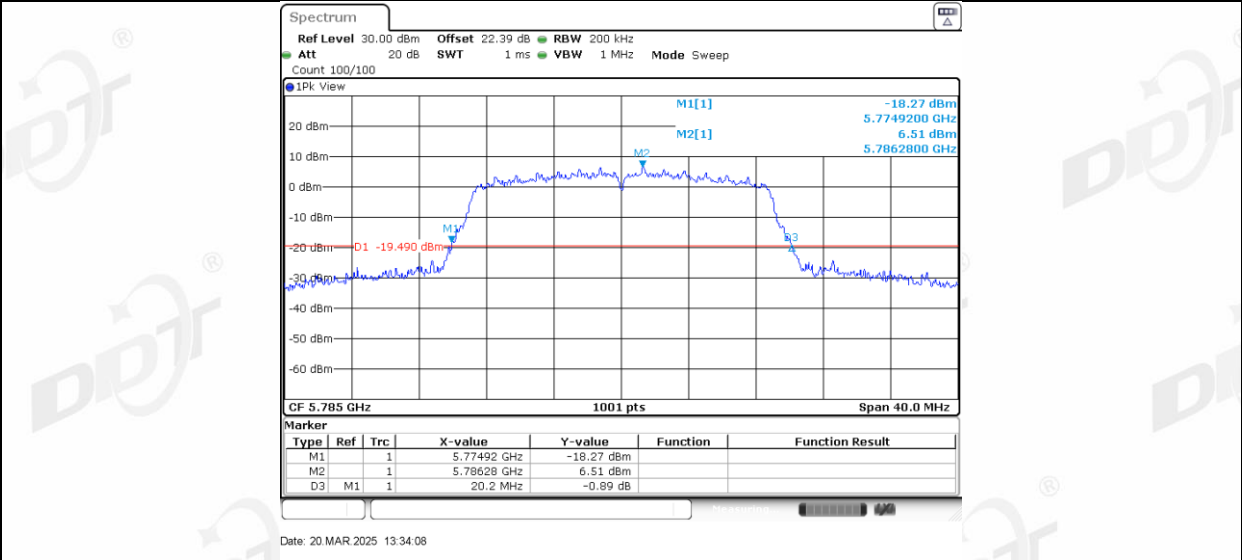
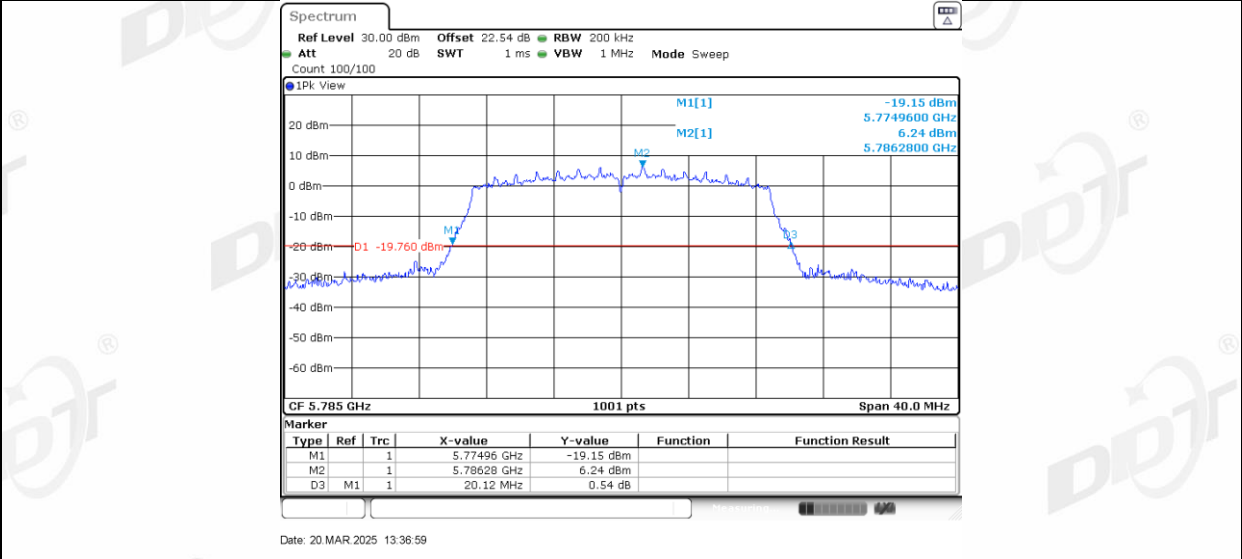




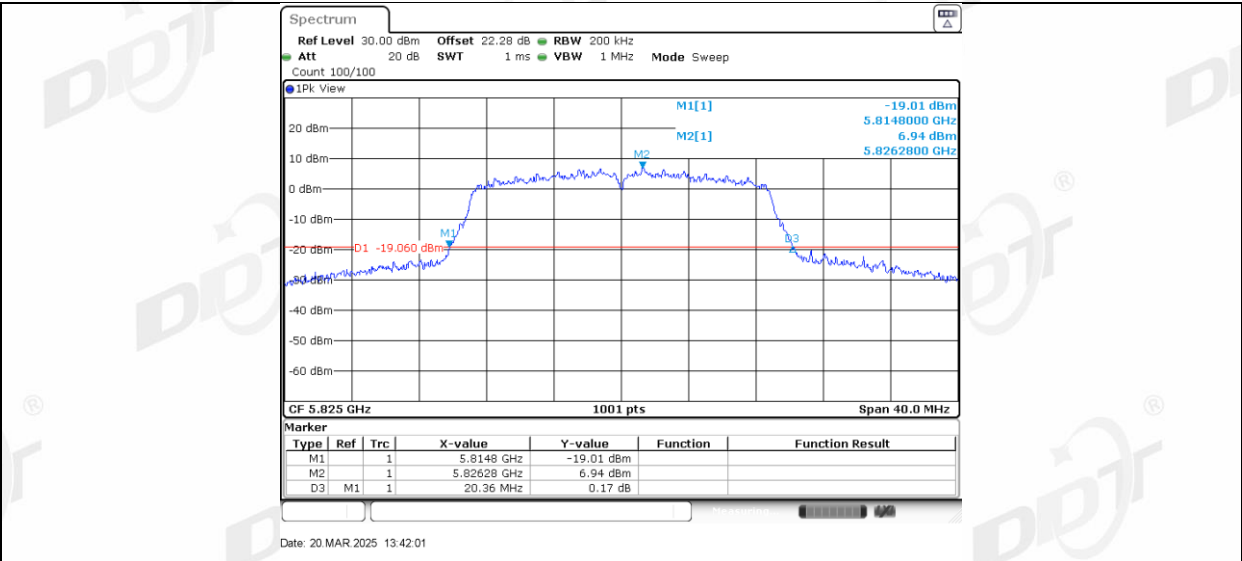
11AC20MIMO_Ant1_5785



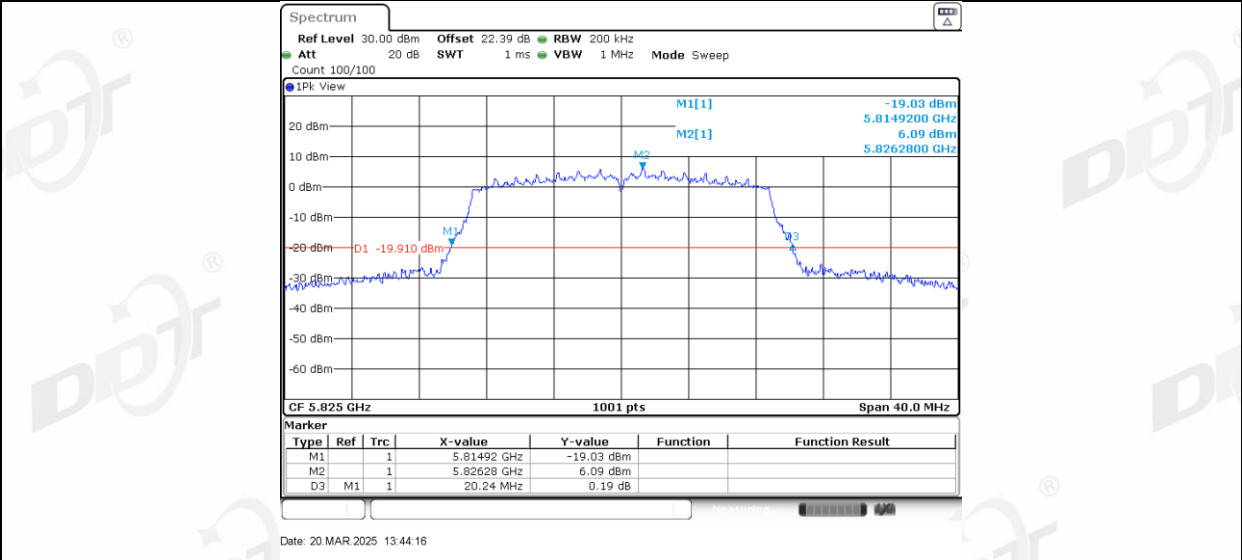
11AC20MIMO_Ant2_5785



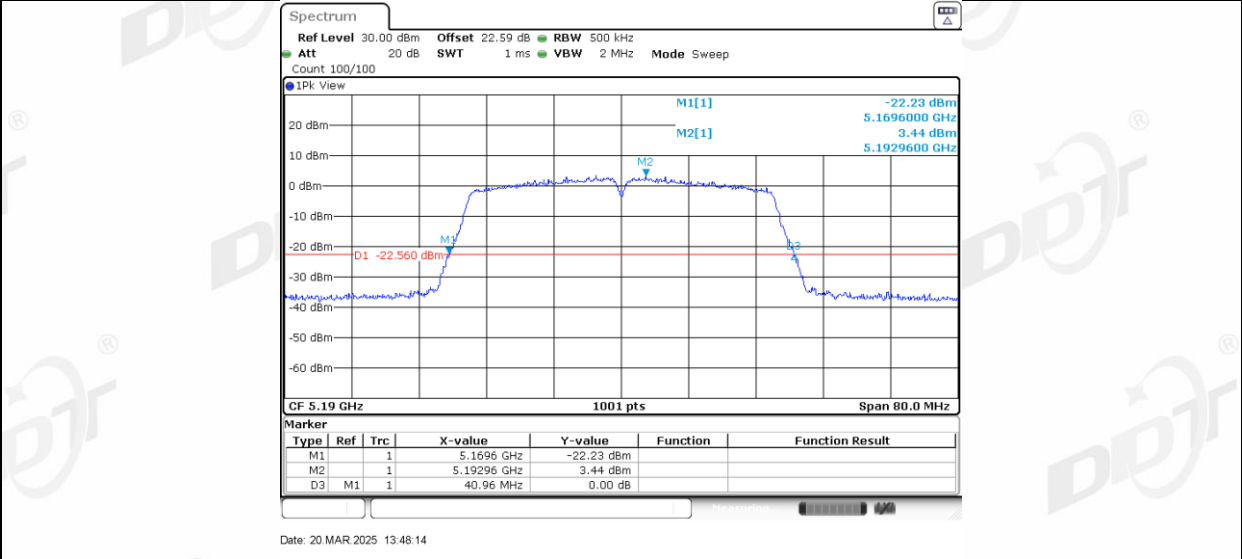
11AC20MIMO_Ant1_5825



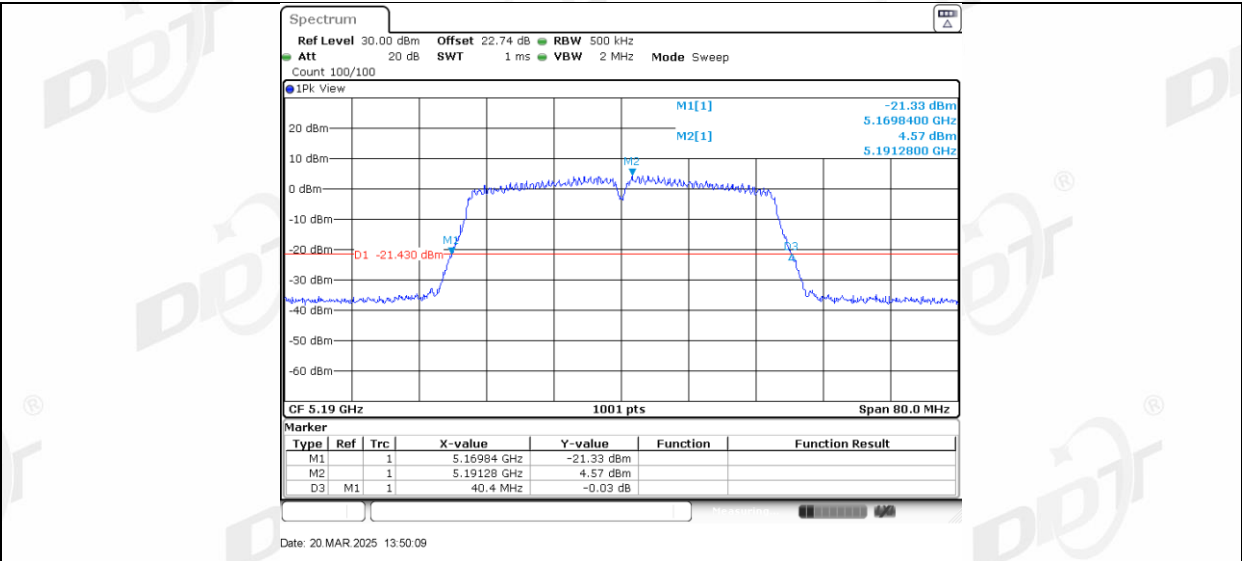
11AC20MIMO_Ant2_5825



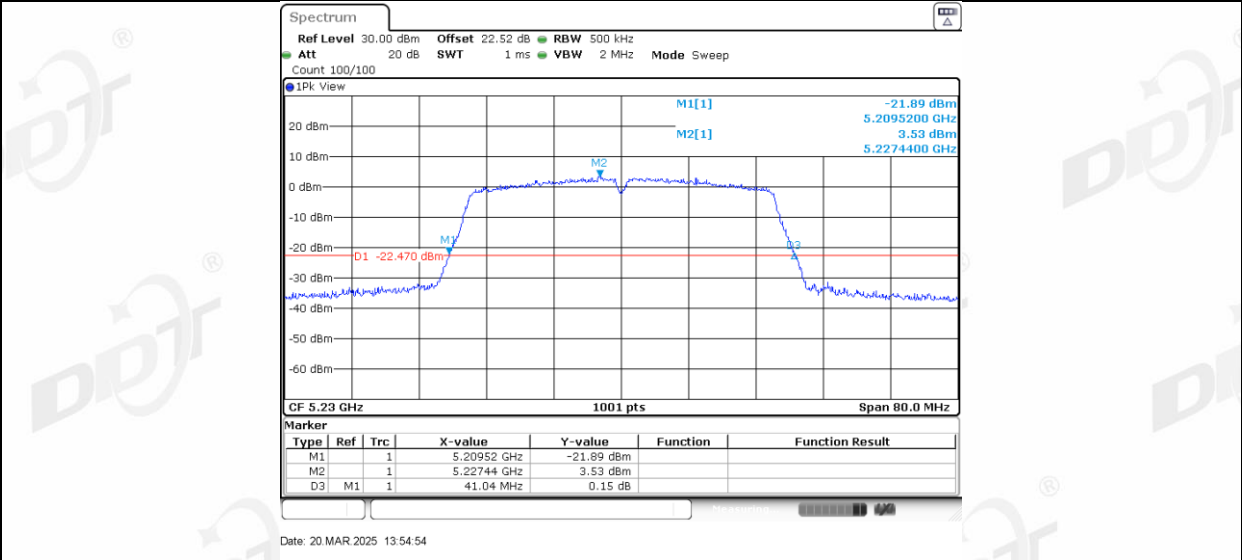
11AC40MIMO_Ant1_5190



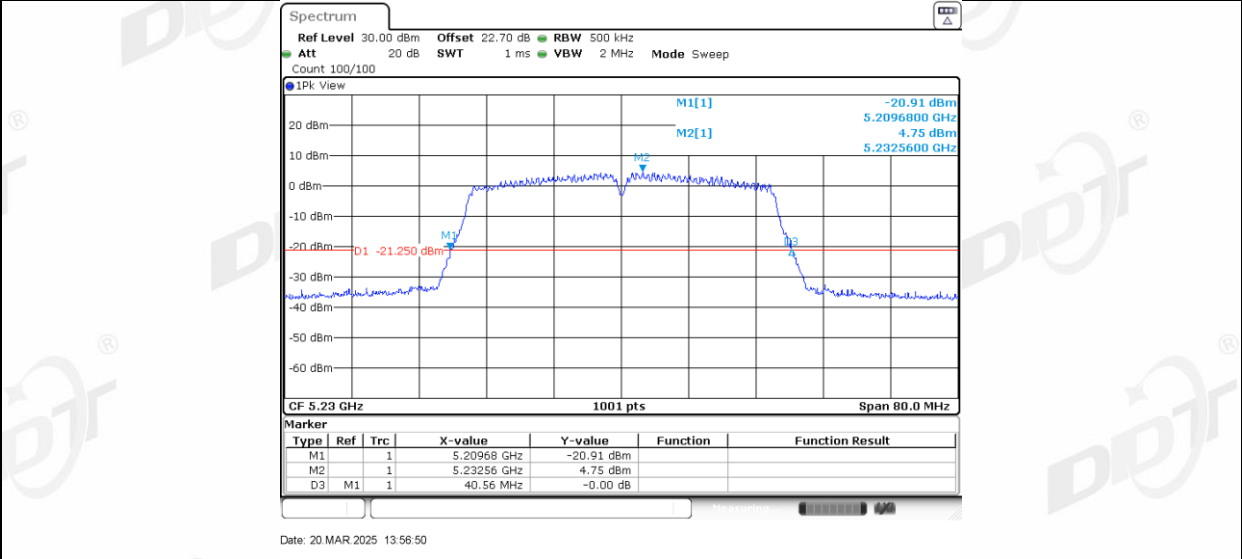
11AC40MIMO_Ant2_5190



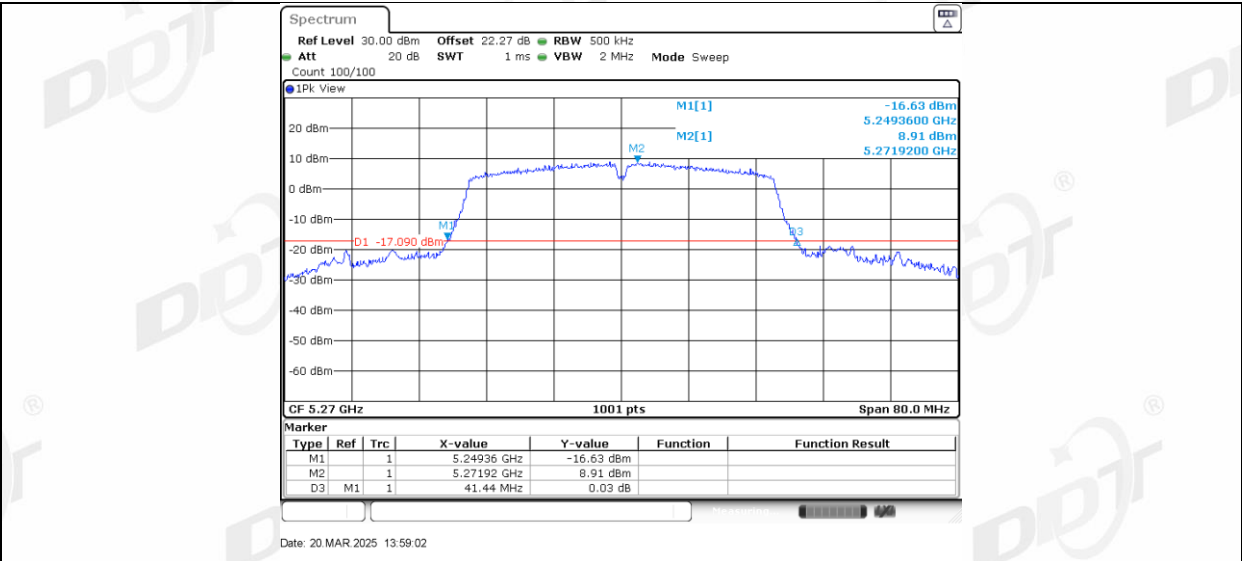
11AC40MIMO_Ant1_5230



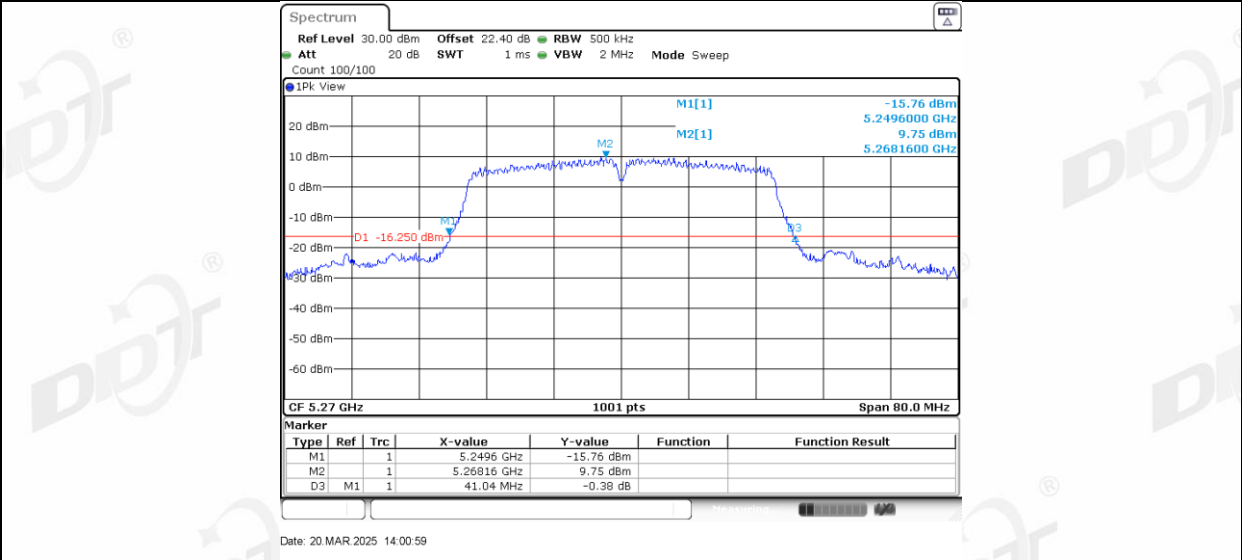
11AC40MIMO_Ant2_5230



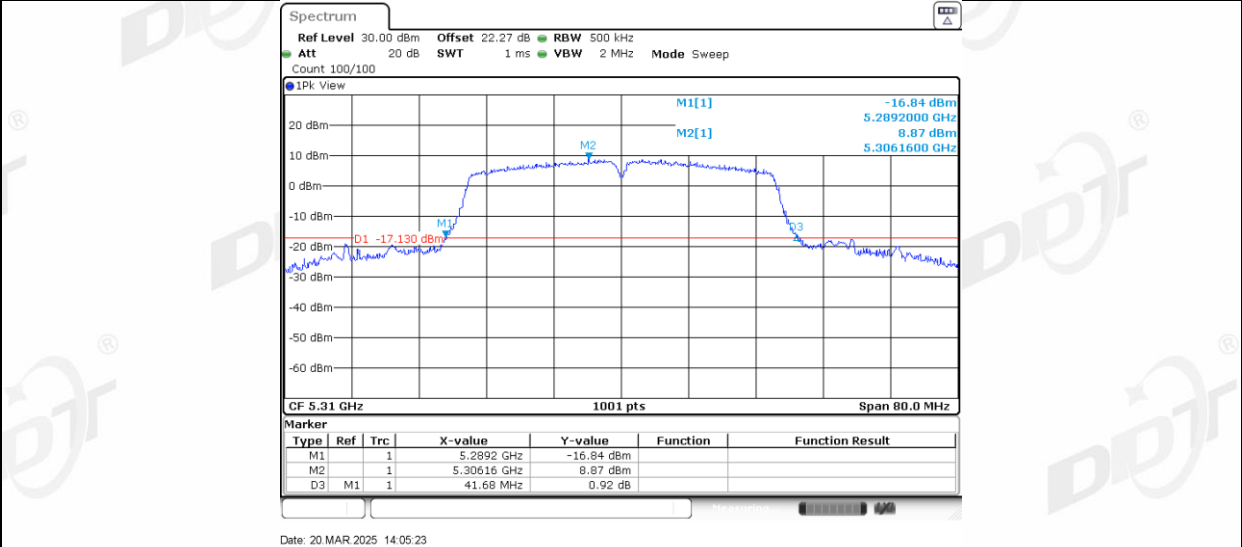
11AC40MIMO_Ant1_5270



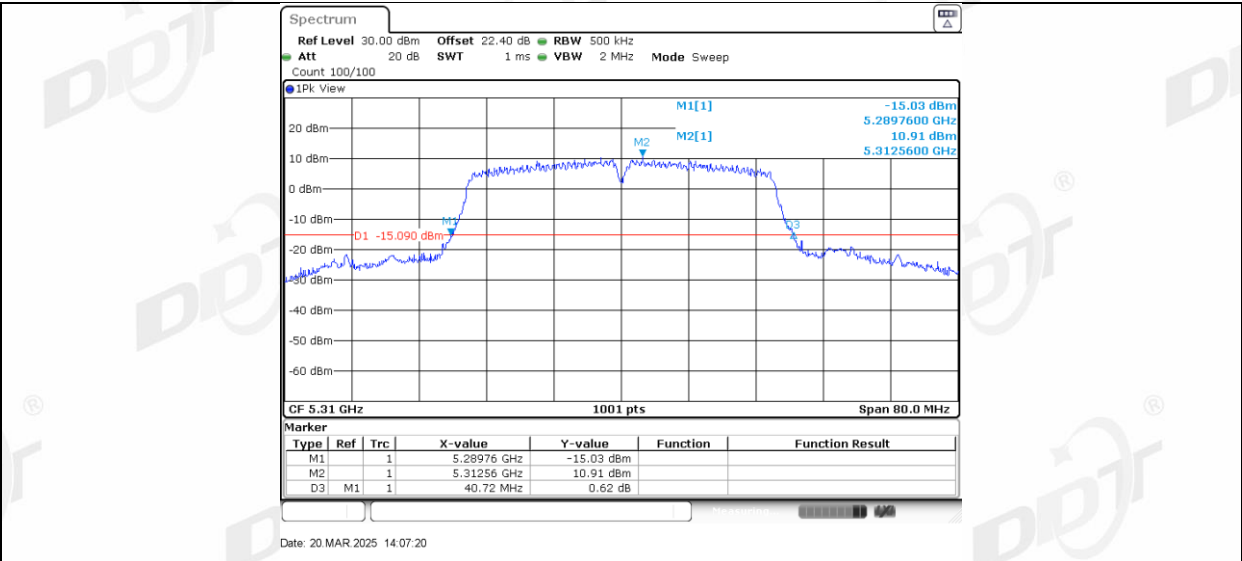
11AC40MIMO_Ant2_5270



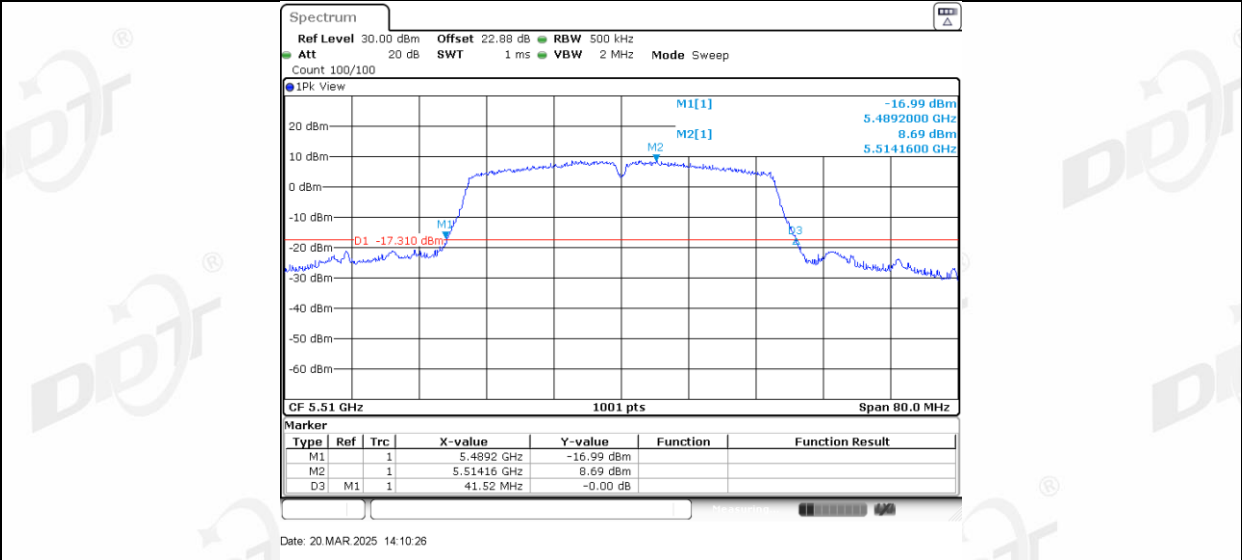
11AC40MIMO_Ant1_5310



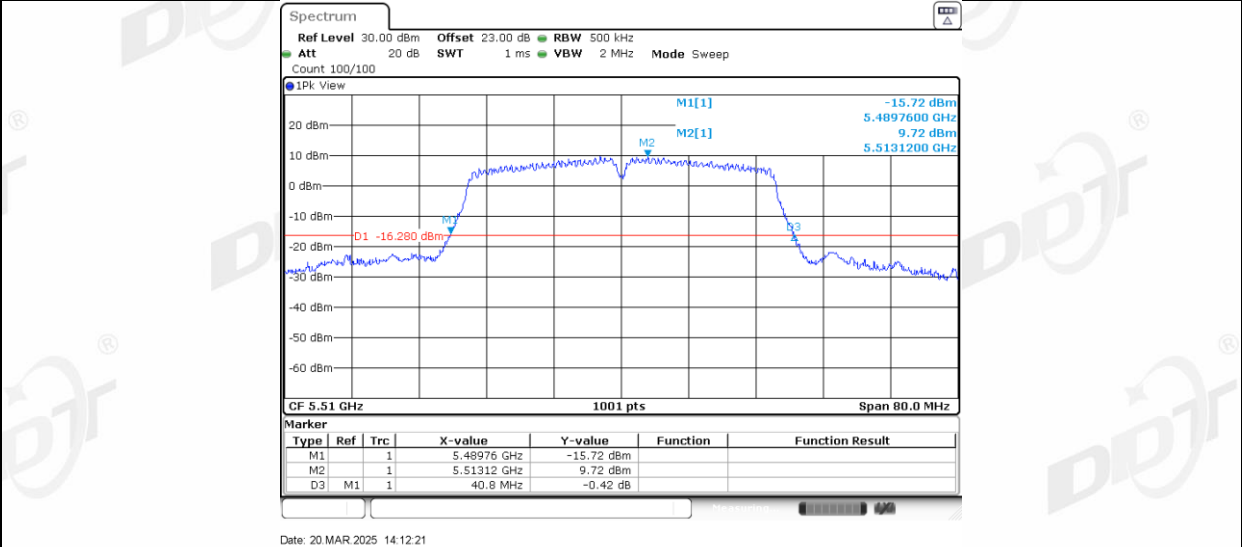
11AC40MIMO_Ant2_5310



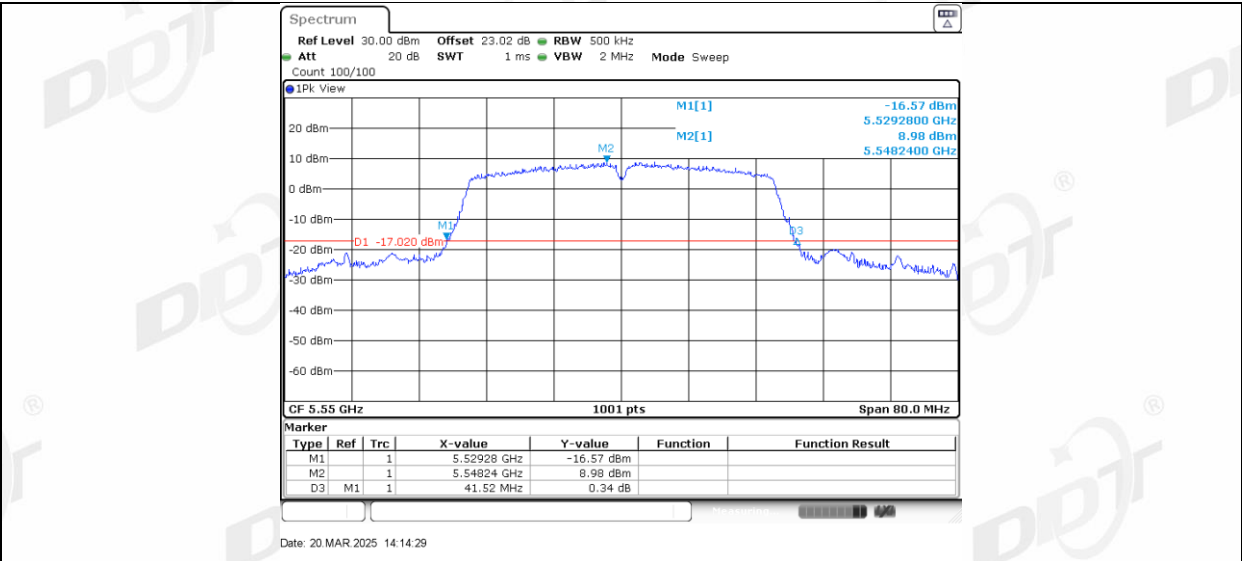
11AC40MIMO_Ant1_5510



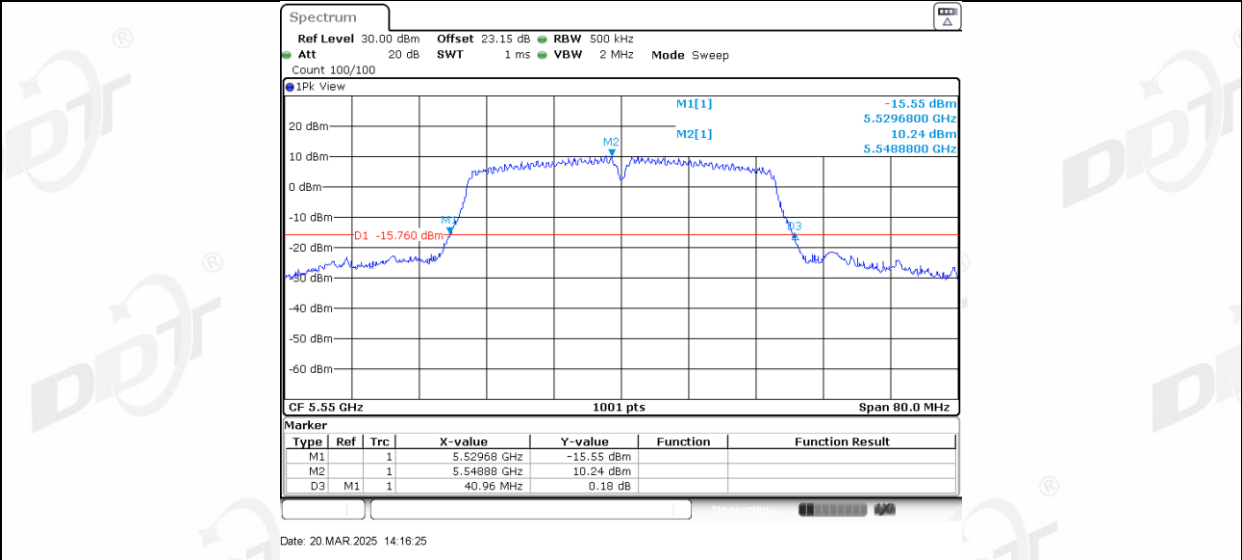
11AC40MIMO_Ant2_5510



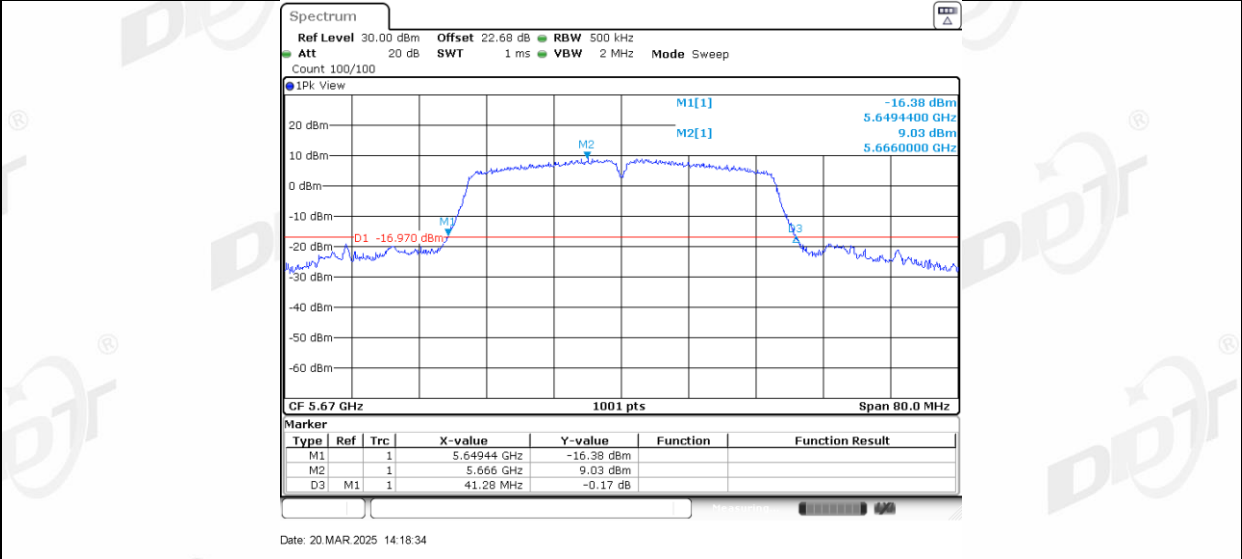
11AC40MIMO_Ant1_5550



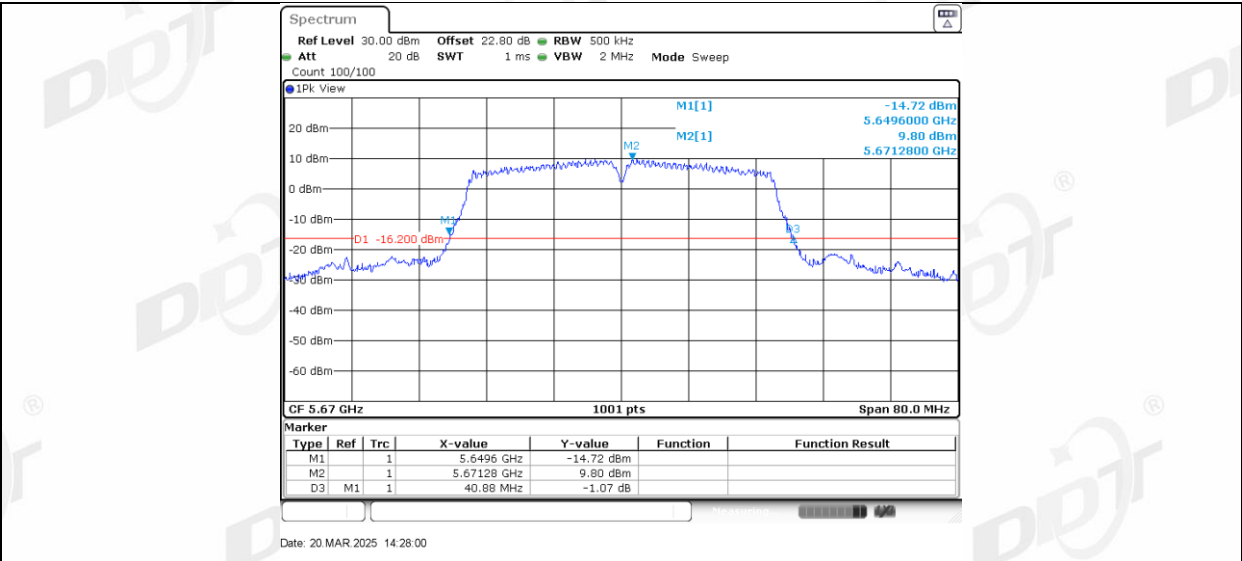
11AC40MIMO_Ant2_5550



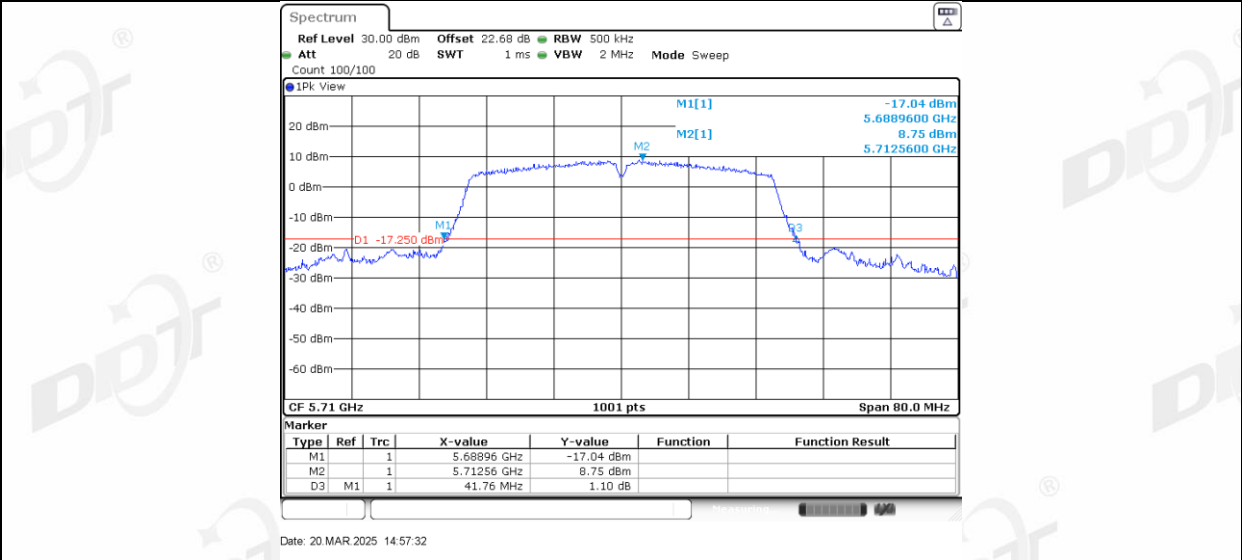
11AC40MIMO_Ant1_5670



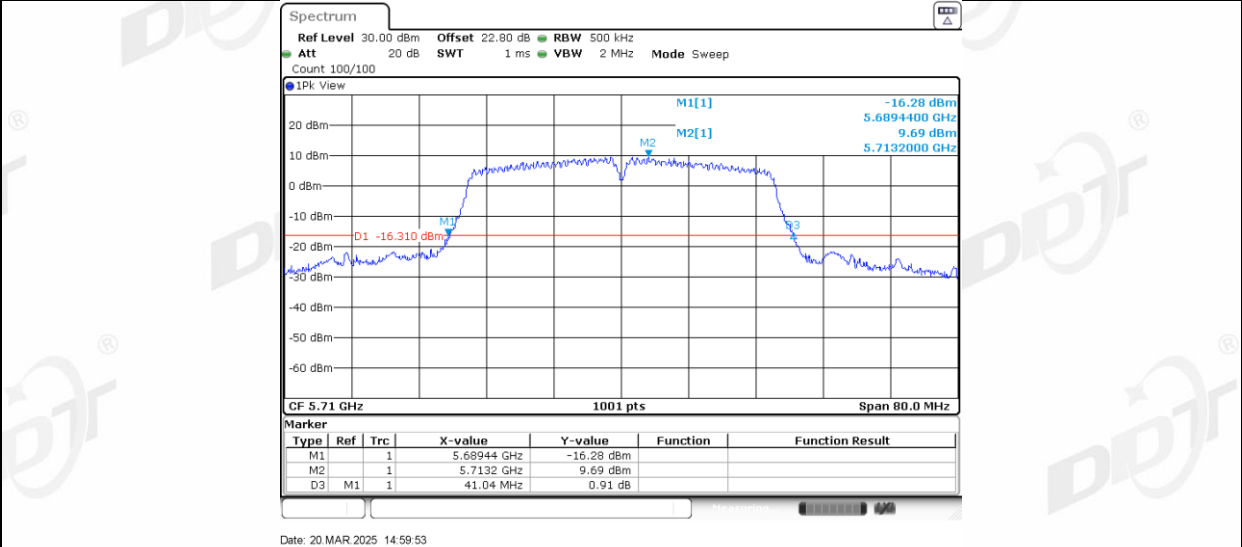
11AC40MIMO_Ant2_5670



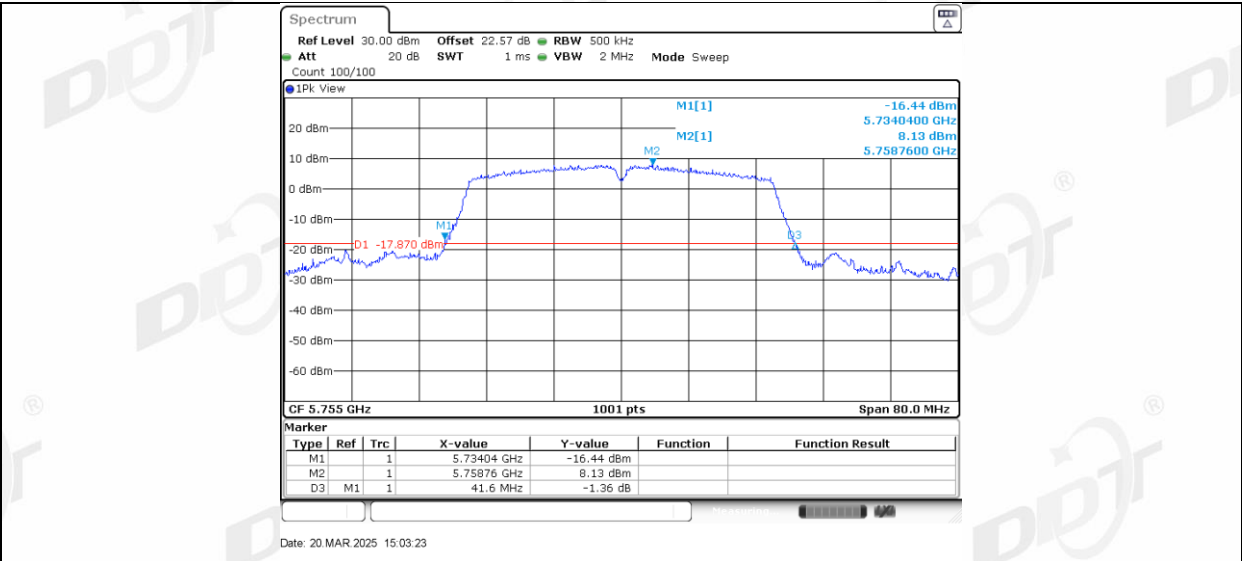
11AC40MIMO_Ant1_5710



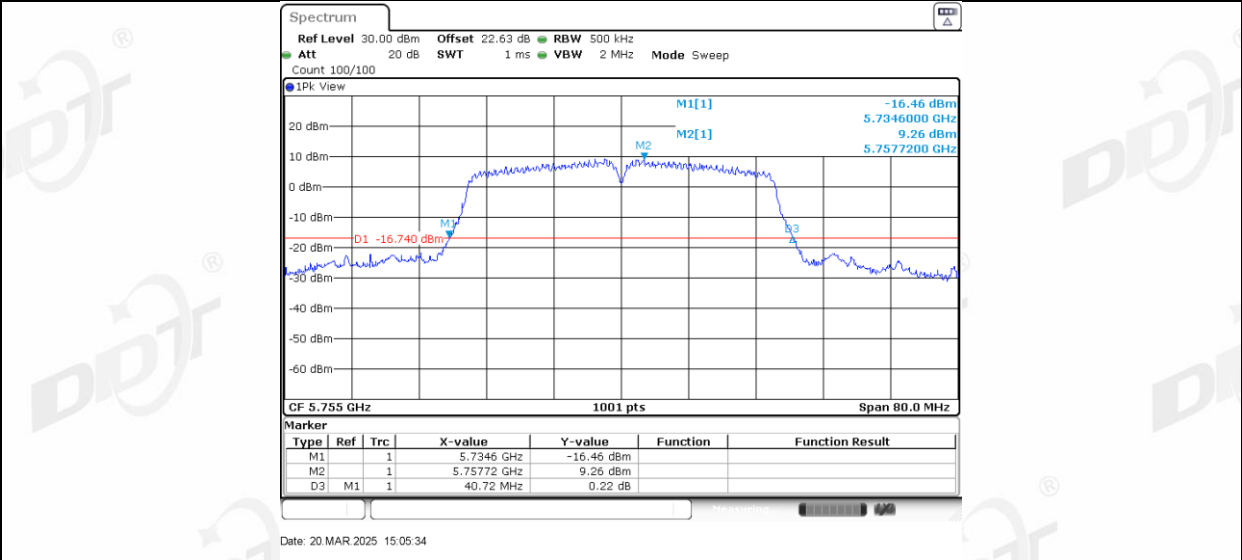
11AC40MIMO_Ant2_5710



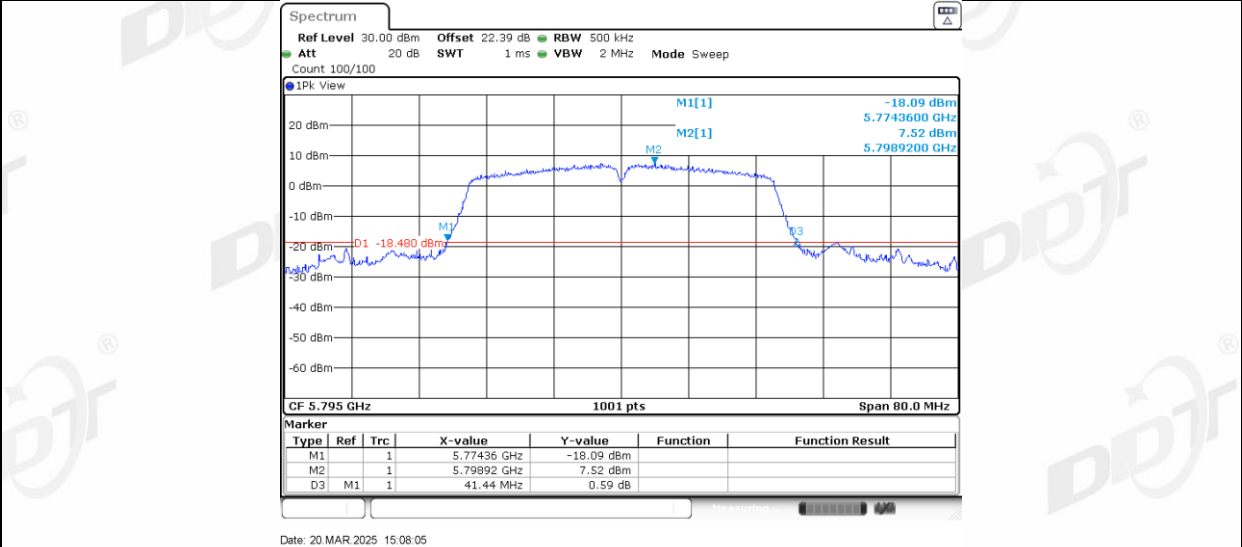
11AC40MIMO_Ant1_5755



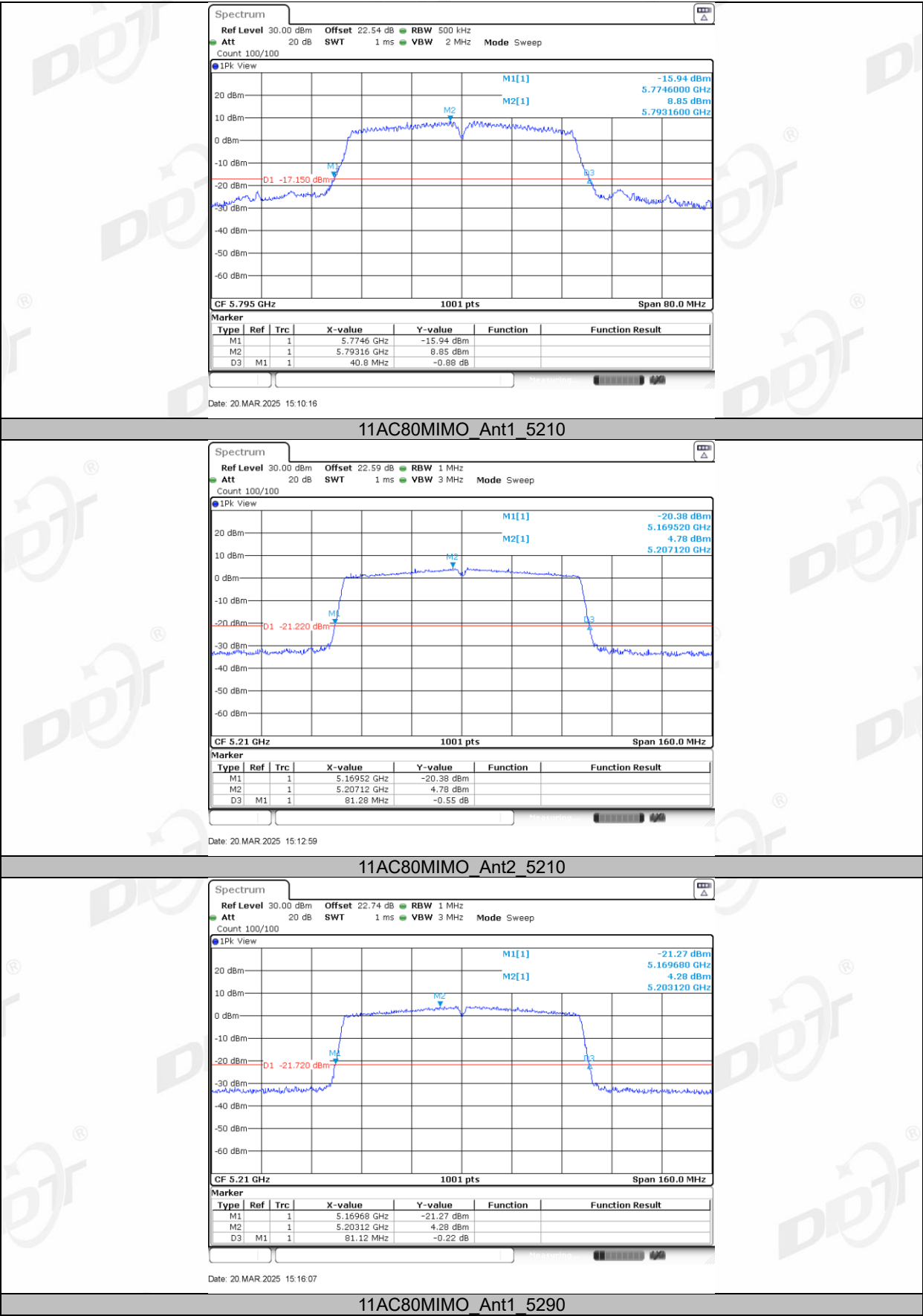
11AC40MIMO_Ant2_5755

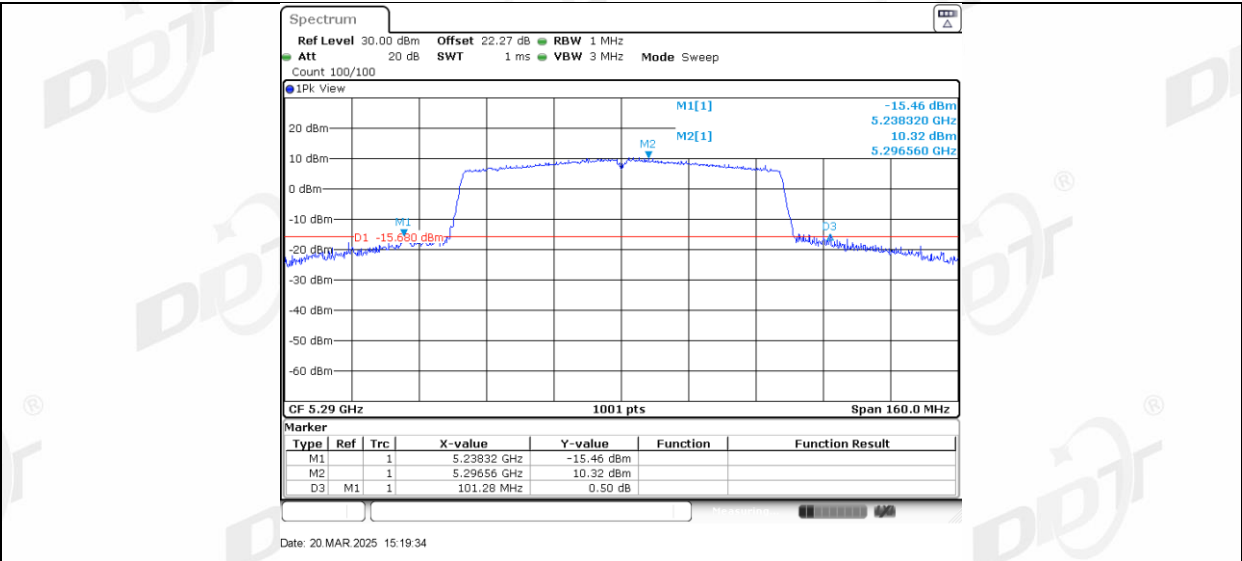


11AC40MIMO_Ant1_5795

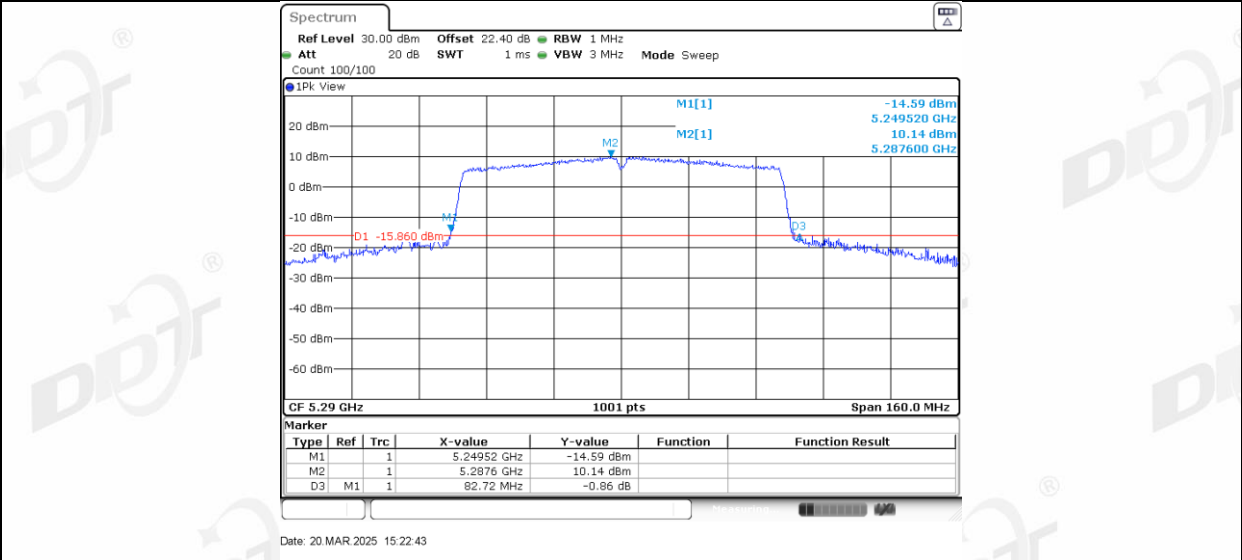


11AC40MIMO_Ant2_5795

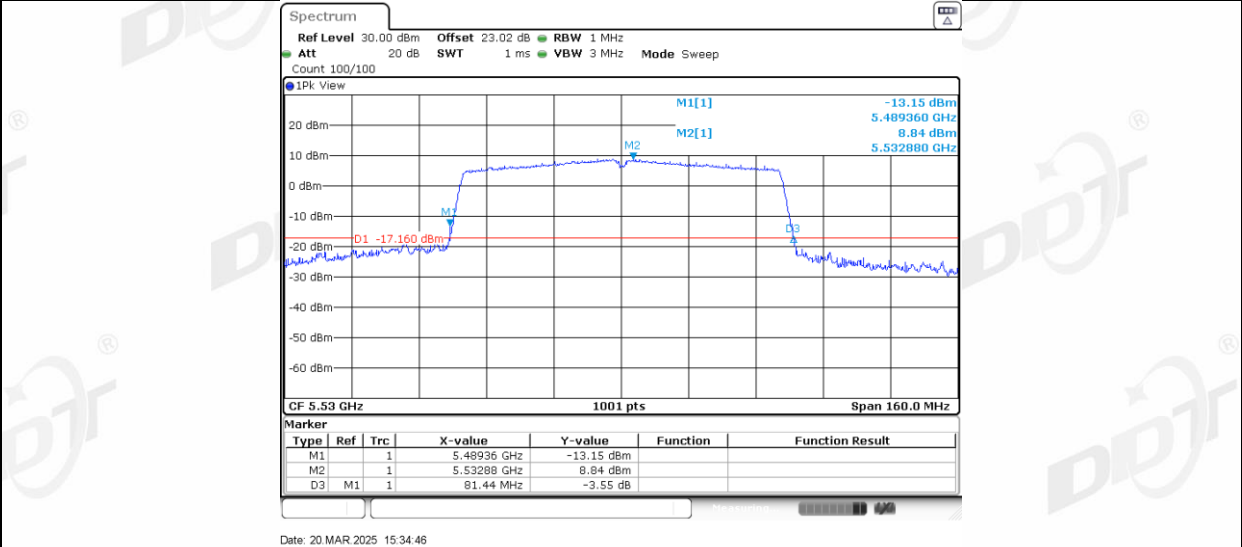




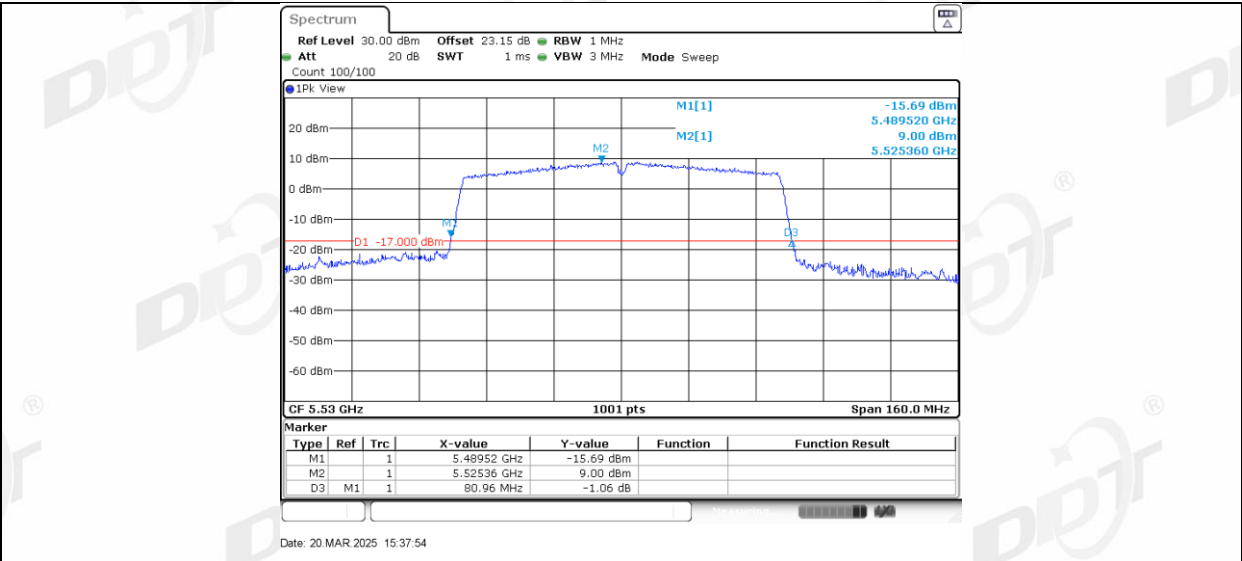
11AC80MIMO_Ant2_5290



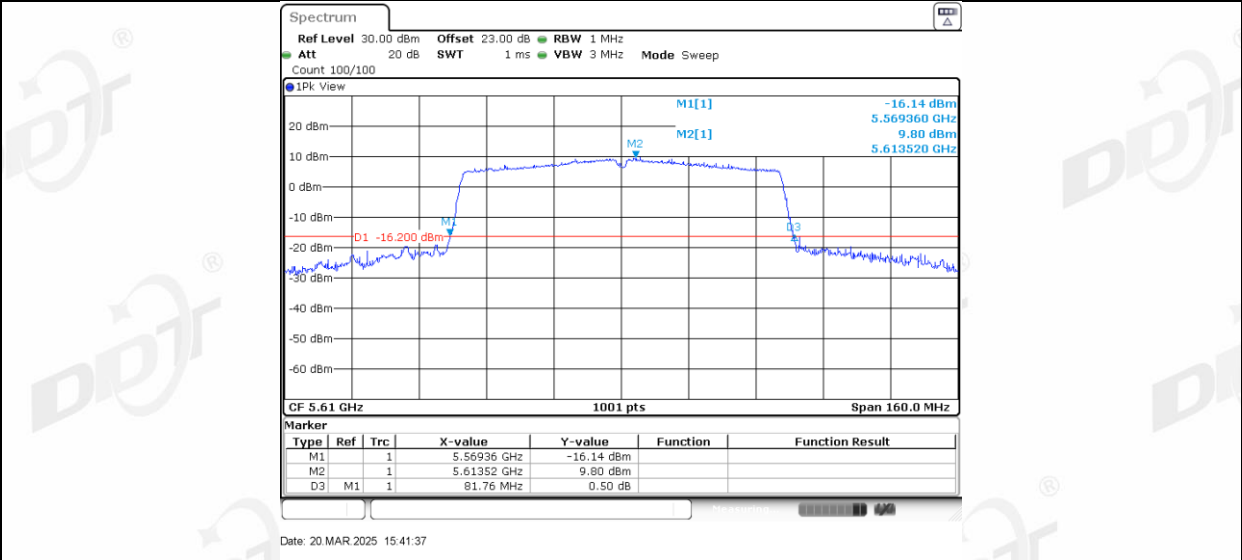
11AC80MIMO_Ant1_5530



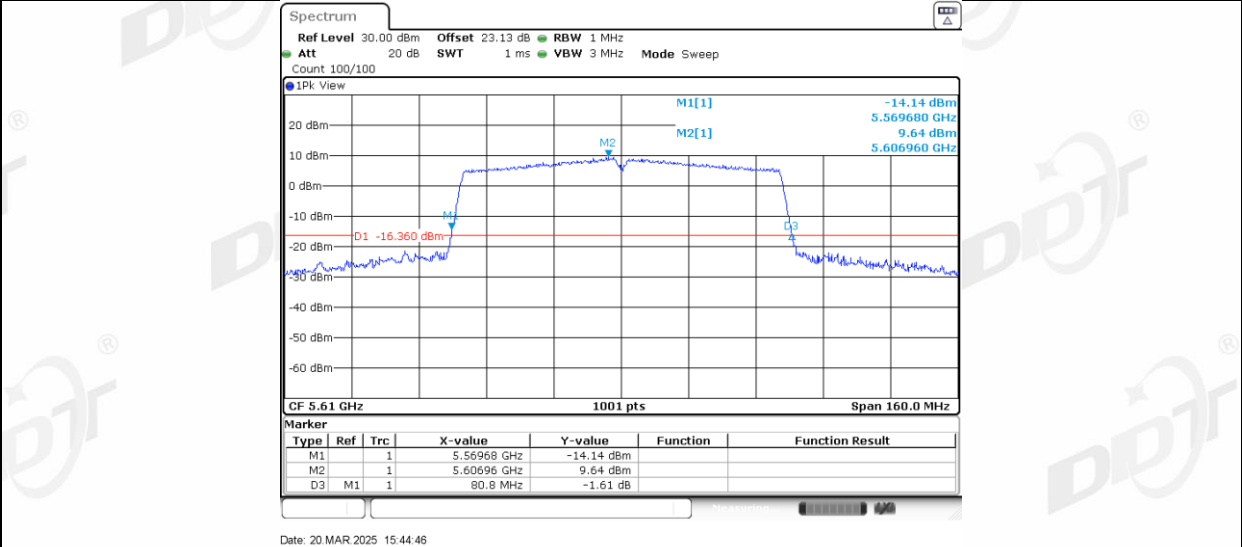
11AC80MIMO_Ant2_5530



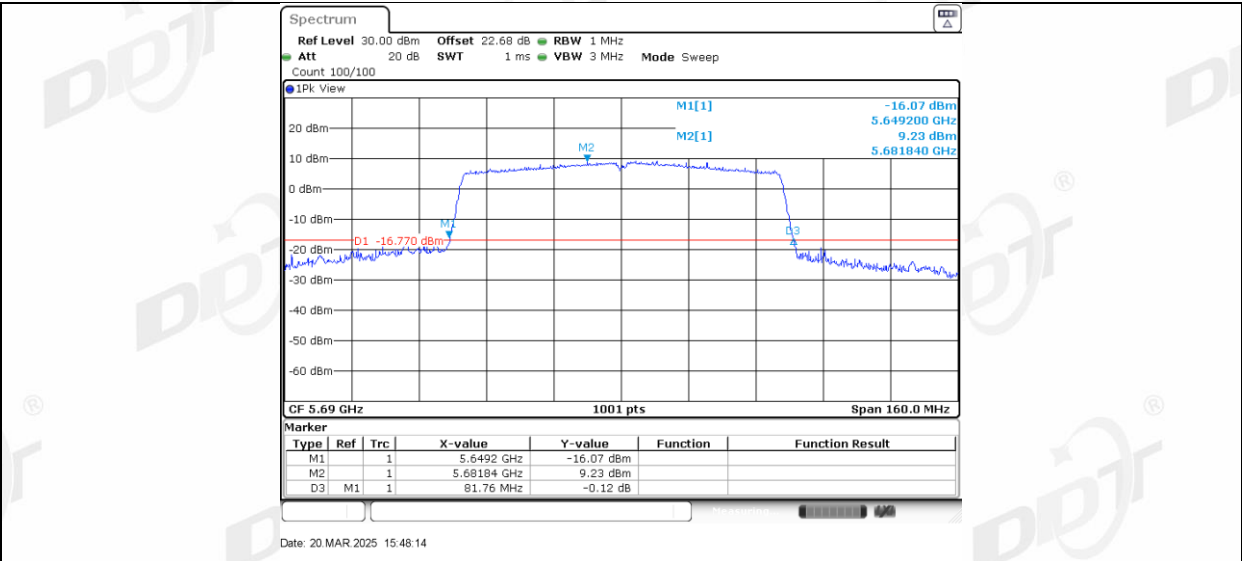
11AC80MIMO_Ant1_5610



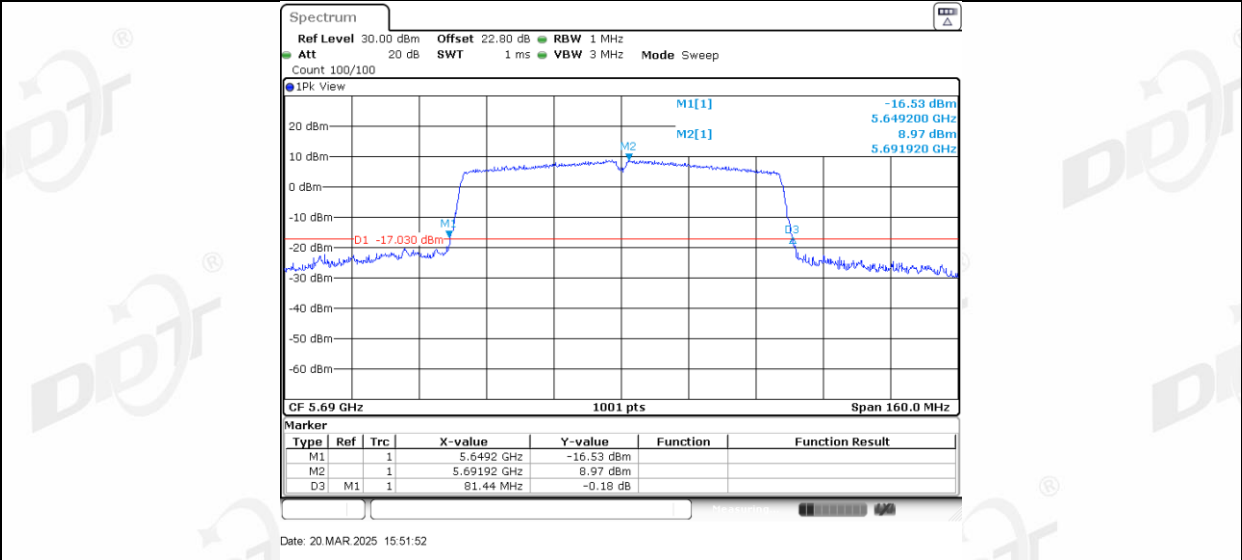
11AC80MIMO_Ant2_5610



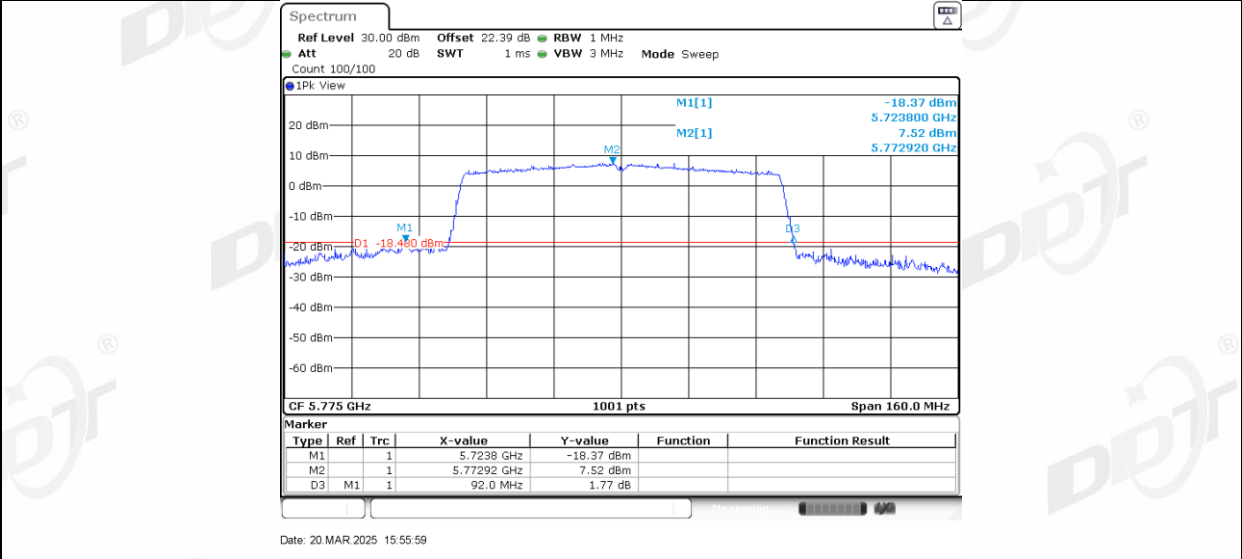
11AC80MIMO_Ant1_5690



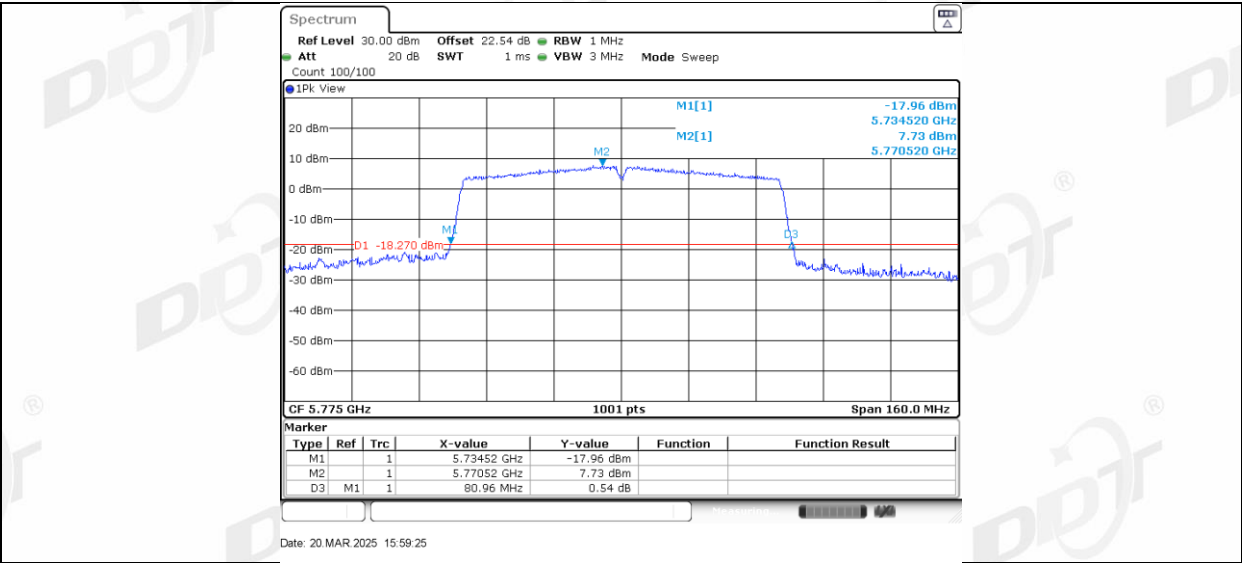
11AC80MIMO_Ant2_5690



11AC80MIMO_Ant1_5775

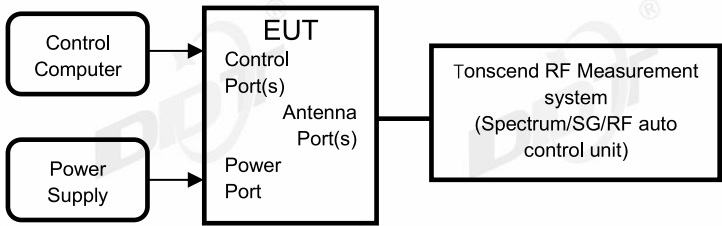


11AC80MIMO_Ant2_5775



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

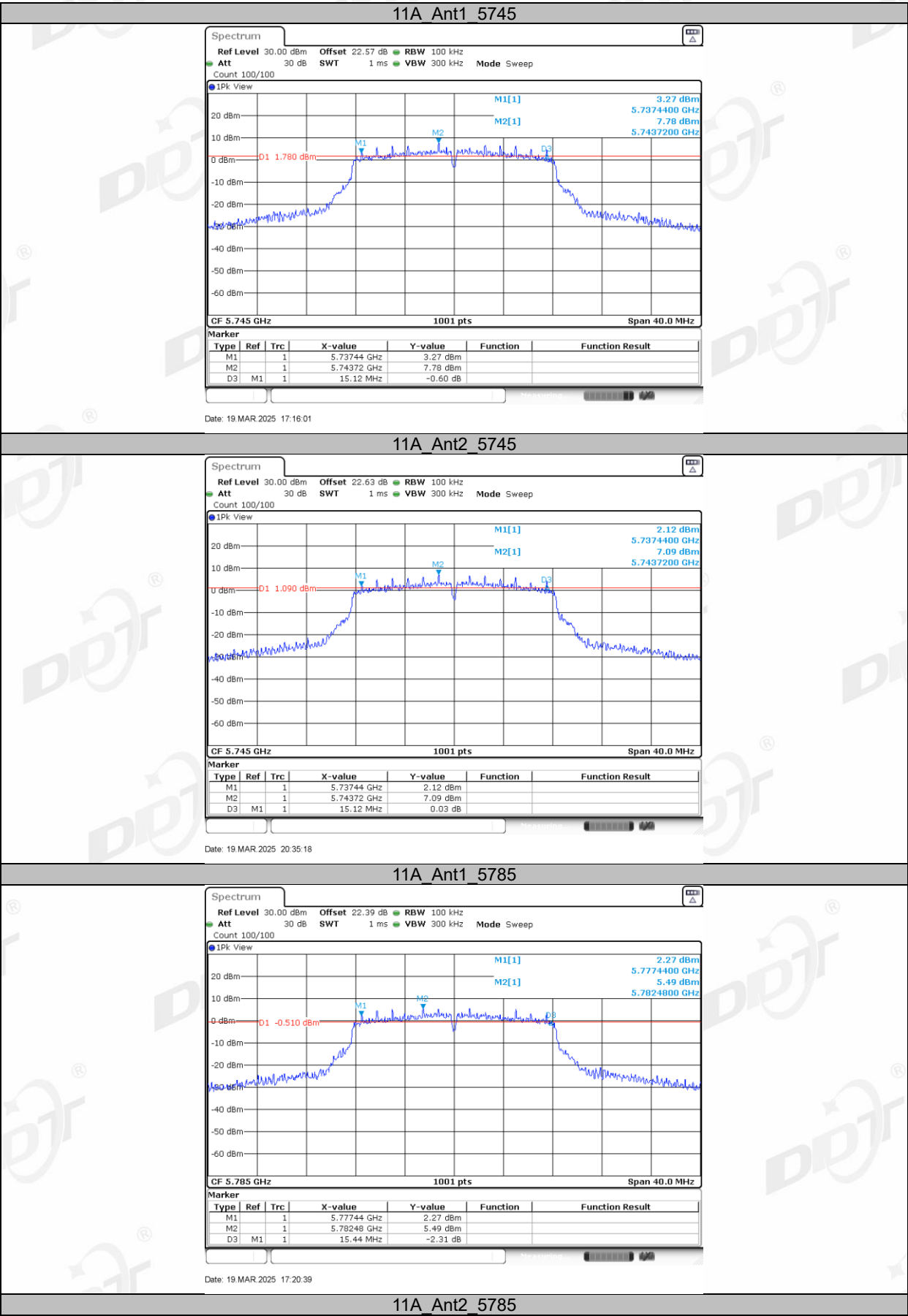
Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

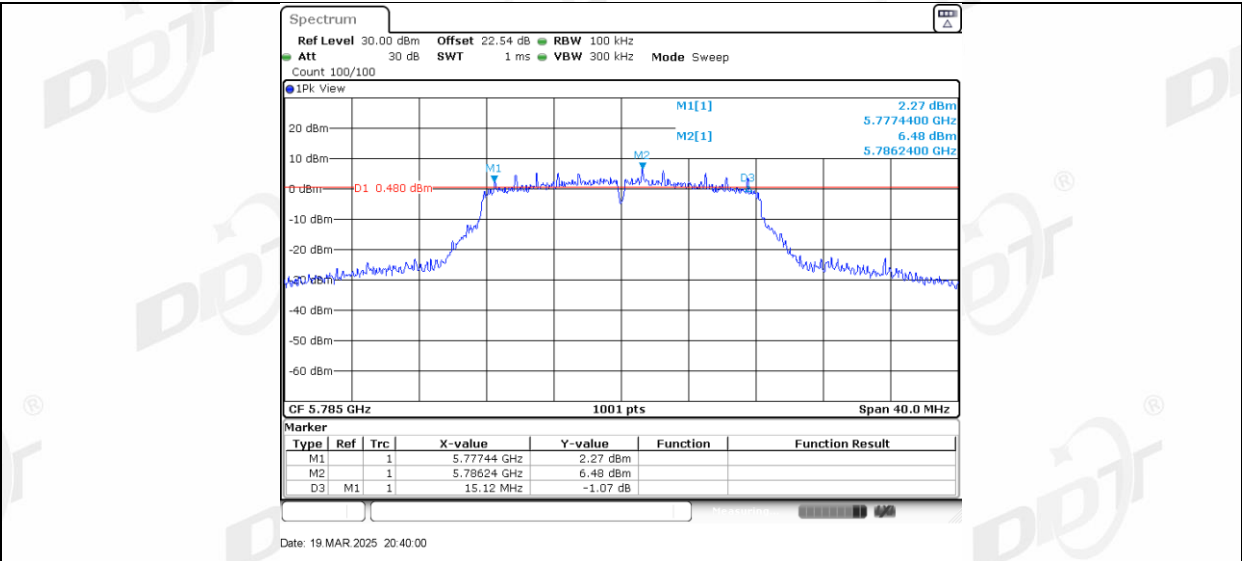
5.4. Test result B4

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	23.2-50.4℃,29.6-35.1%RH	Test Date:	2025.03.19-2025.03.29
Test Power Supply:	AC 120V	Sample Number:	S25011610-003

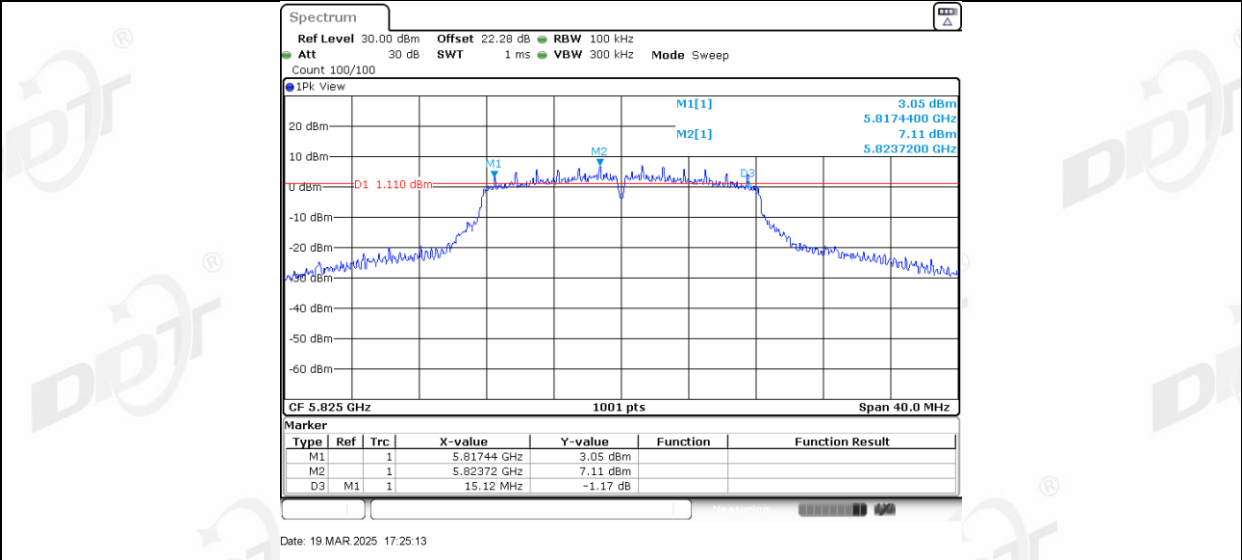
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.12	5737.44	5752.56	0.5	PASS
	Ant2	5745	15.12	5737.44	5752.56	0.5	PASS
	Ant1	5785	15.44	5777.44	5792.88	0.5	PASS
	Ant2	5785	15.12	5777.44	5792.56	0.5	PASS
	Ant1	5825	15.12	5817.44	5832.56	0.5	PASS
	Ant2	5825	15.12	5817.44	5832.56	0.5	PASS
11N20MIMO	Ant1	5745	15.16	5737.40	5752.56	0.5	PASS
	Ant2	5745	15.72	5737.40	5753.12	0.5	PASS
	Ant1	5785	15.08	5777.44	5792.52	0.5	PASS
	Ant2	5785	15.68	5777.44	5793.12	0.5	PASS
	Ant1	5825	15.12	5817.44	5832.56	0.5	PASS
	Ant2	5825	16.28	5816.84	5833.12	0.5	PASS
11N40MIMO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
	Ant2	5755	35.04	5737.48	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	15.16	5737.40	5752.56	0.5	PASS
	Ant2	5745	15.72	5737.40	5753.12	0.5	PASS
	Ant1	5785	15.12	5777.44	5792.56	0.5	PASS
	Ant2	5785	16.28	5776.84	5793.12	0.5	PASS
	Ant1	5825	15.12	5817.44	5832.56	0.5	PASS
	Ant2	5825	15.68	5817.44	5833.12	0.5	PASS
11AC40MIMO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
	Ant2	5755	35.04	5737.48	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	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	75.20	5737.40	5812.60	0.5	PASS

5.5. Test graphs B4

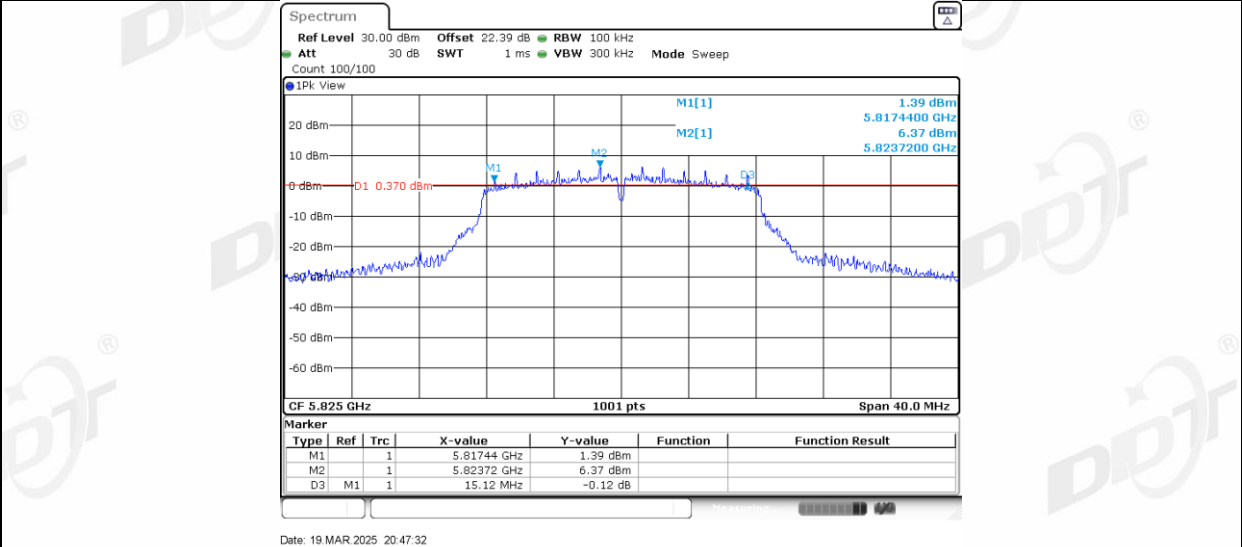




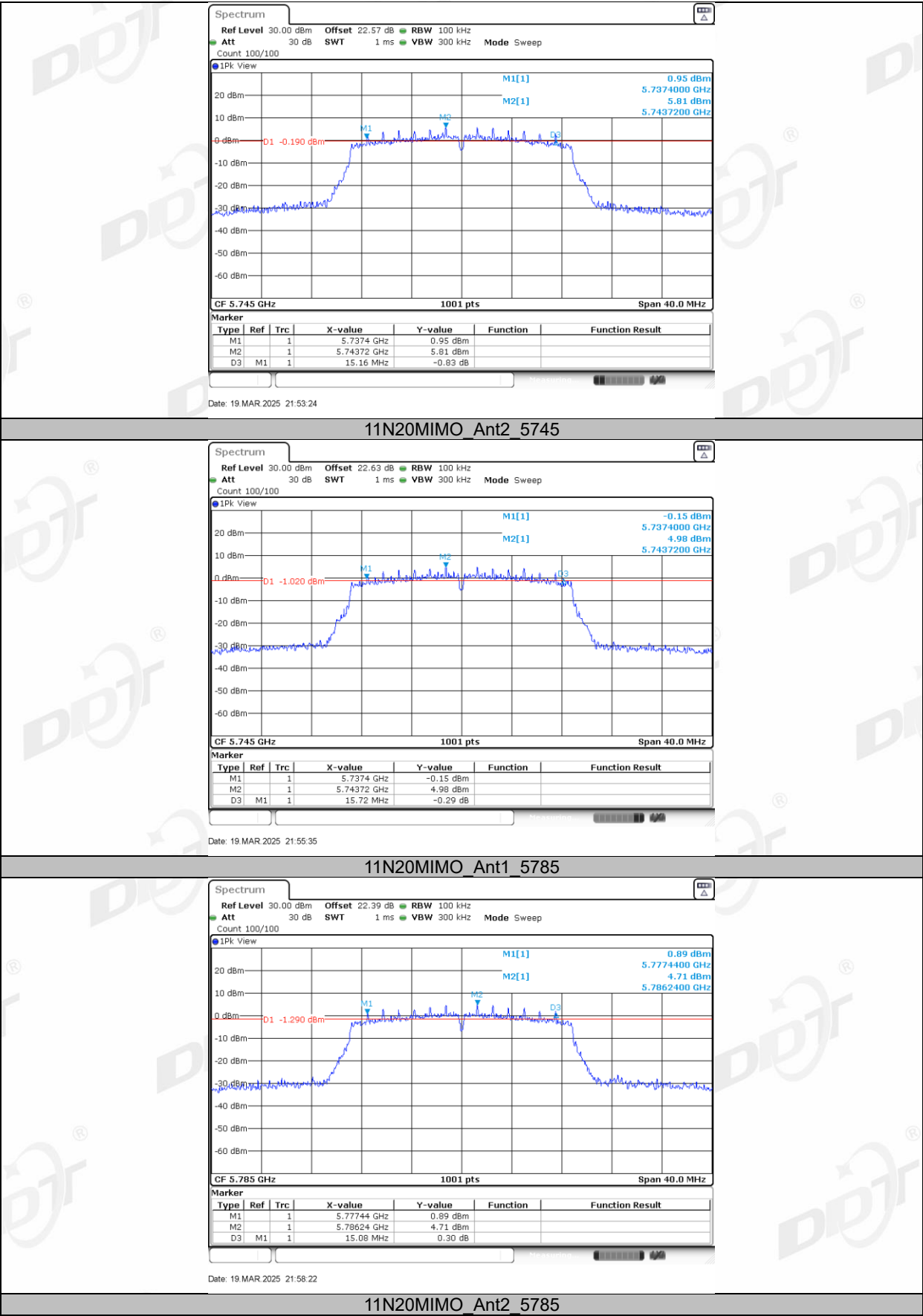
11A_Ant1_5825

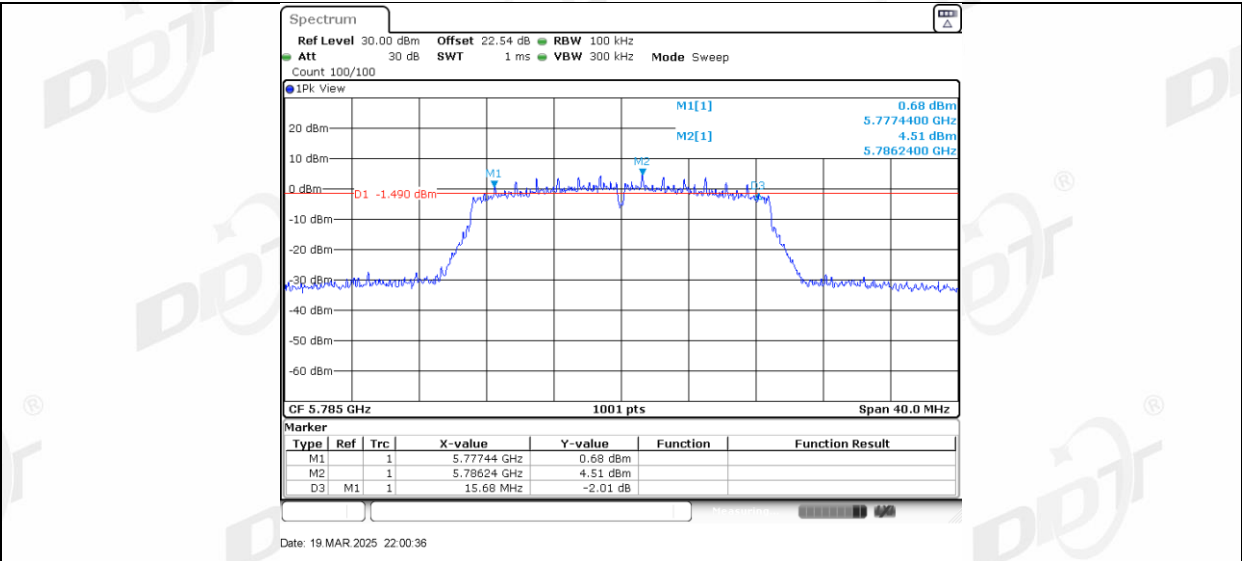


11A_Ant2_5825

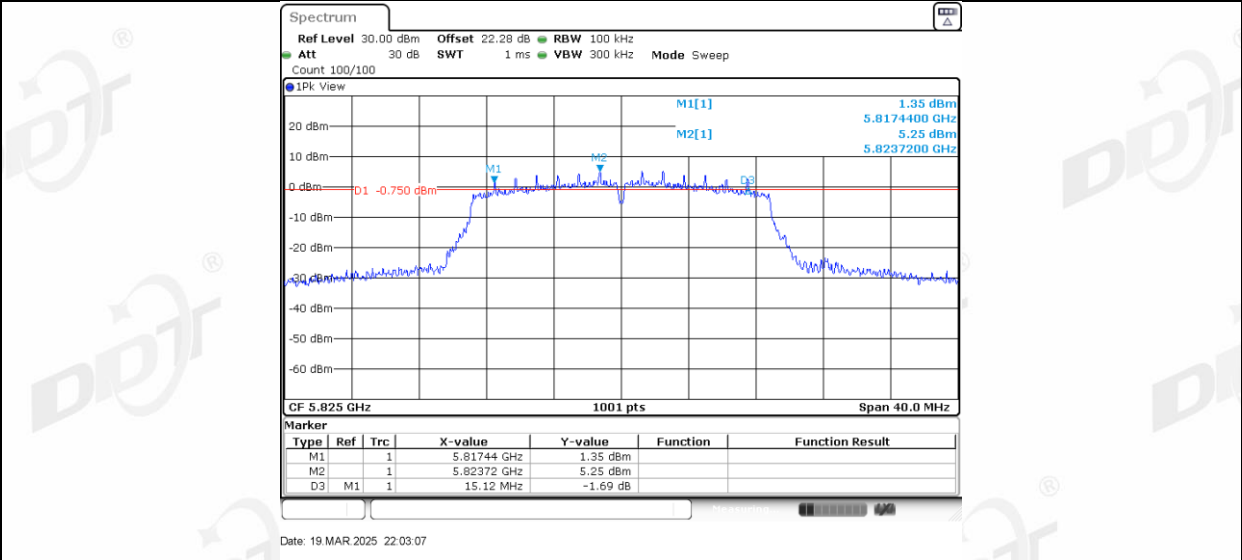


11N20MIMO_Ant1_5745

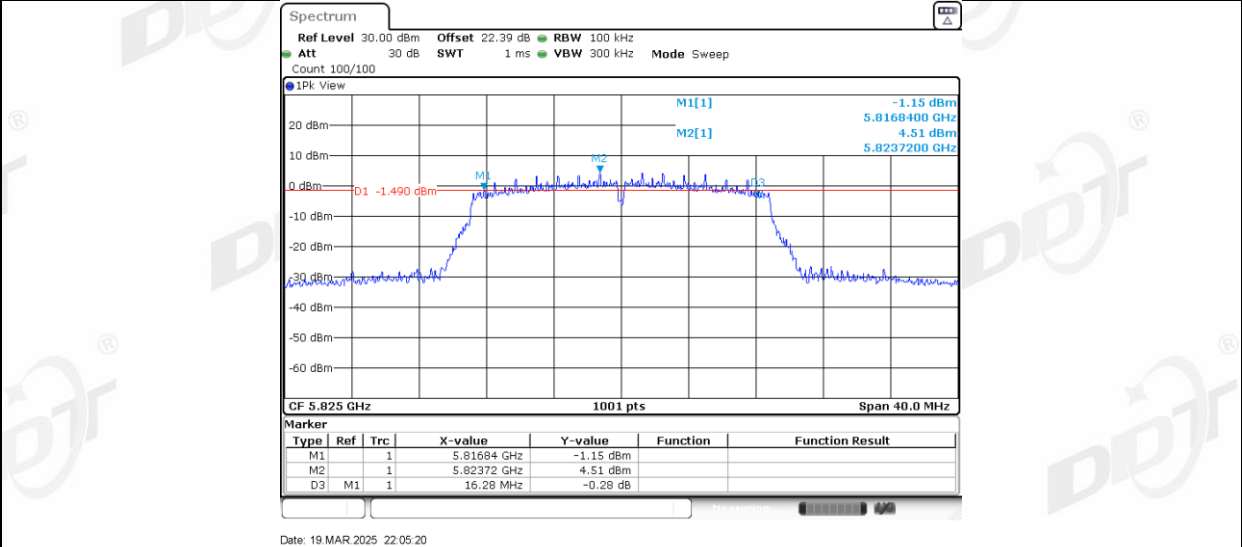




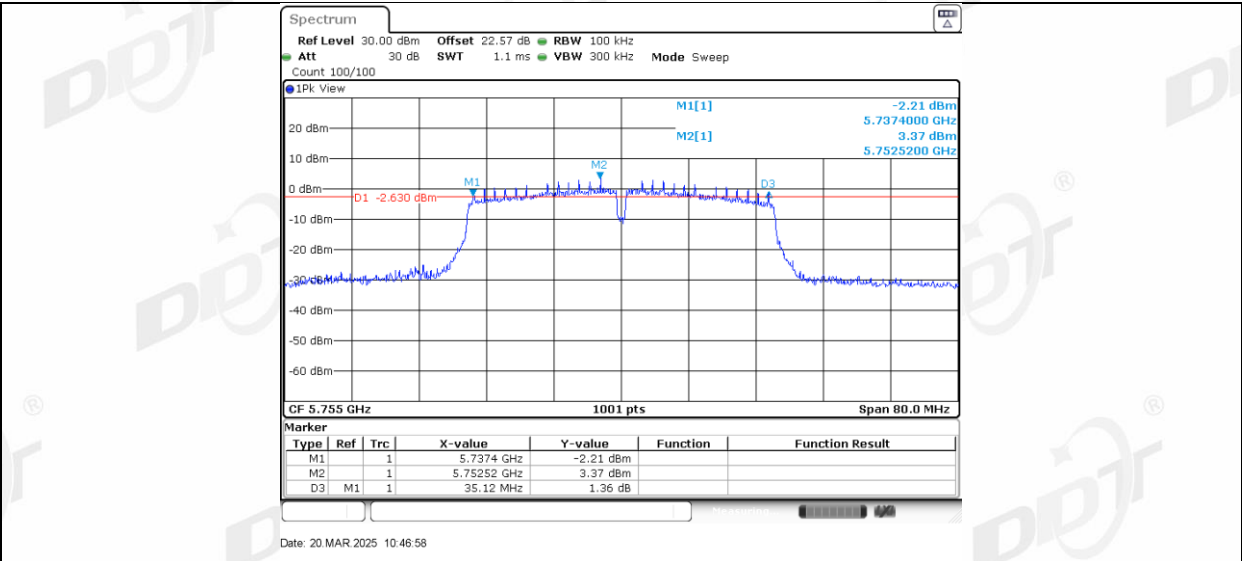
11N20MIMO_Ant1_5825



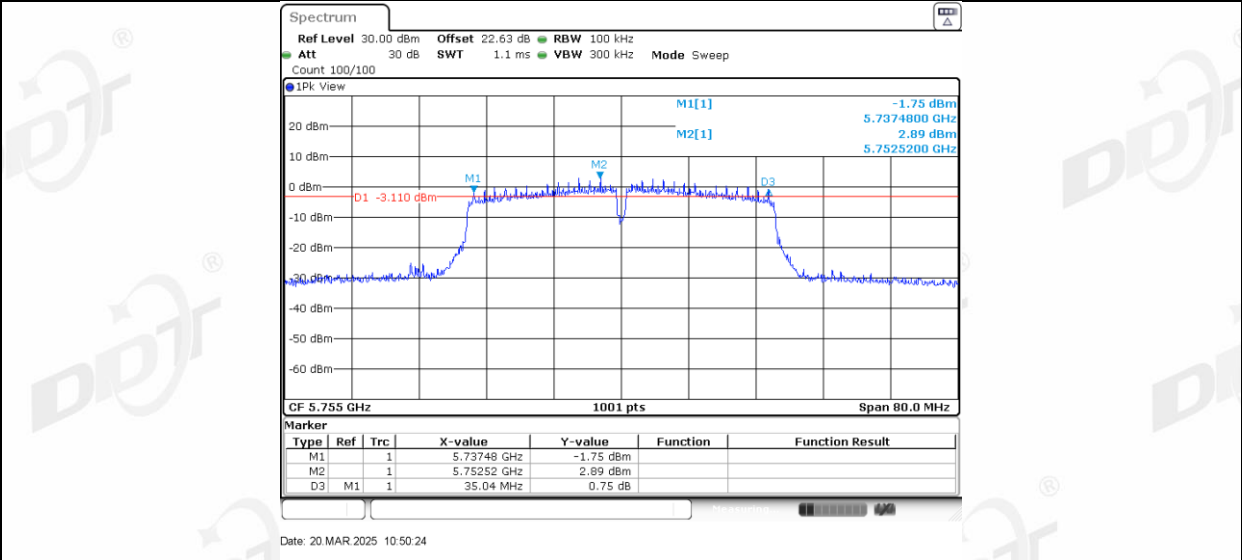
11N20MIMO_Ant2_5825



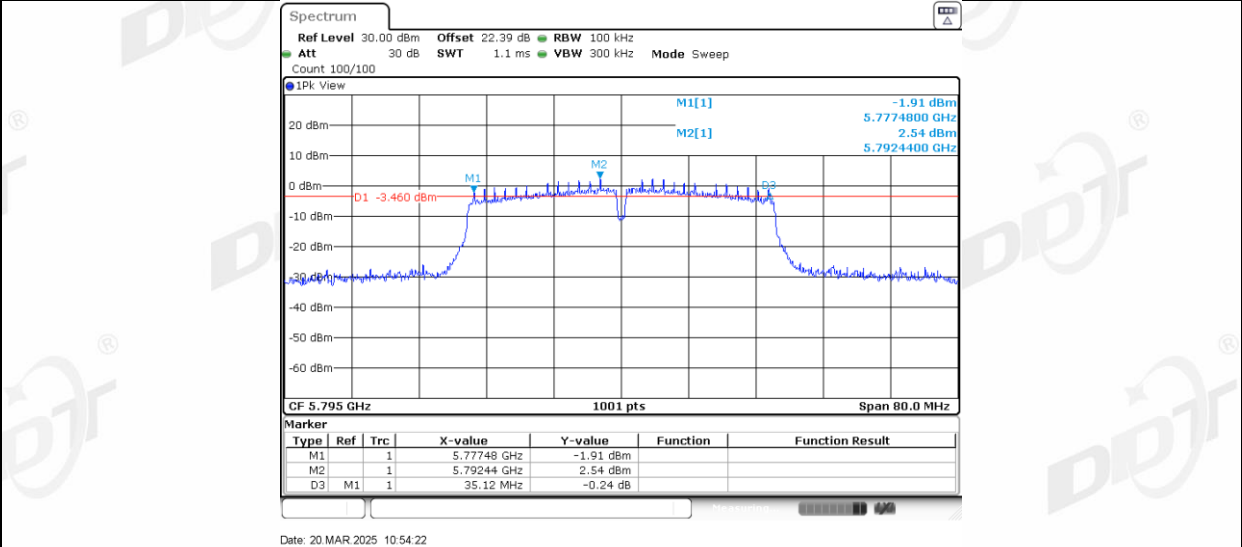
11N40MIMO_Ant1_5755



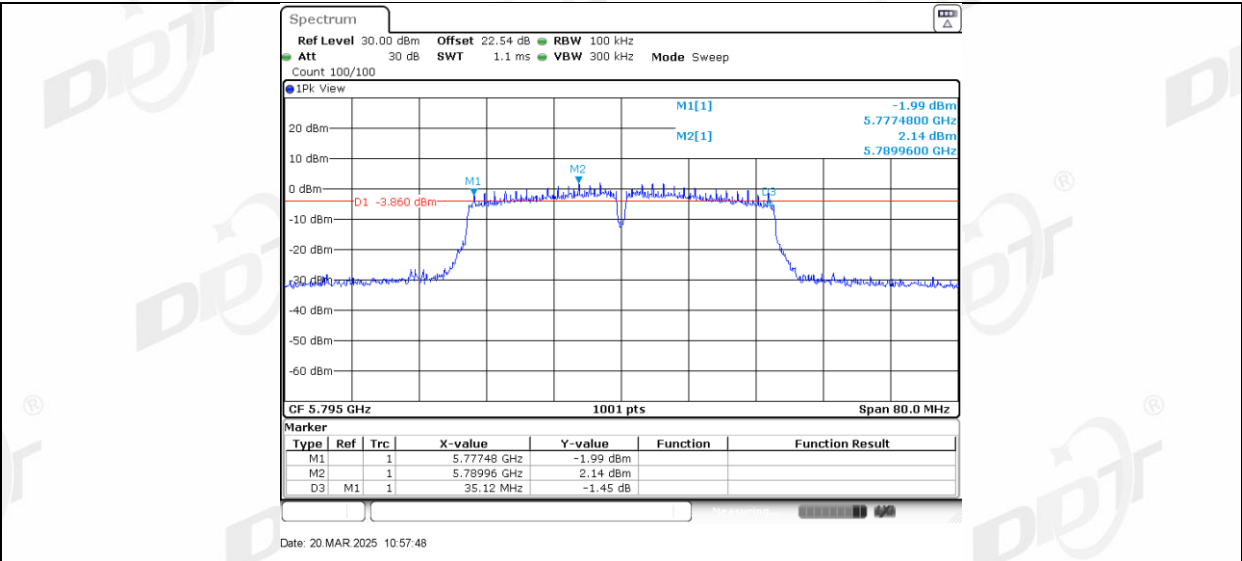
11N40MIMO_Ant2_5755



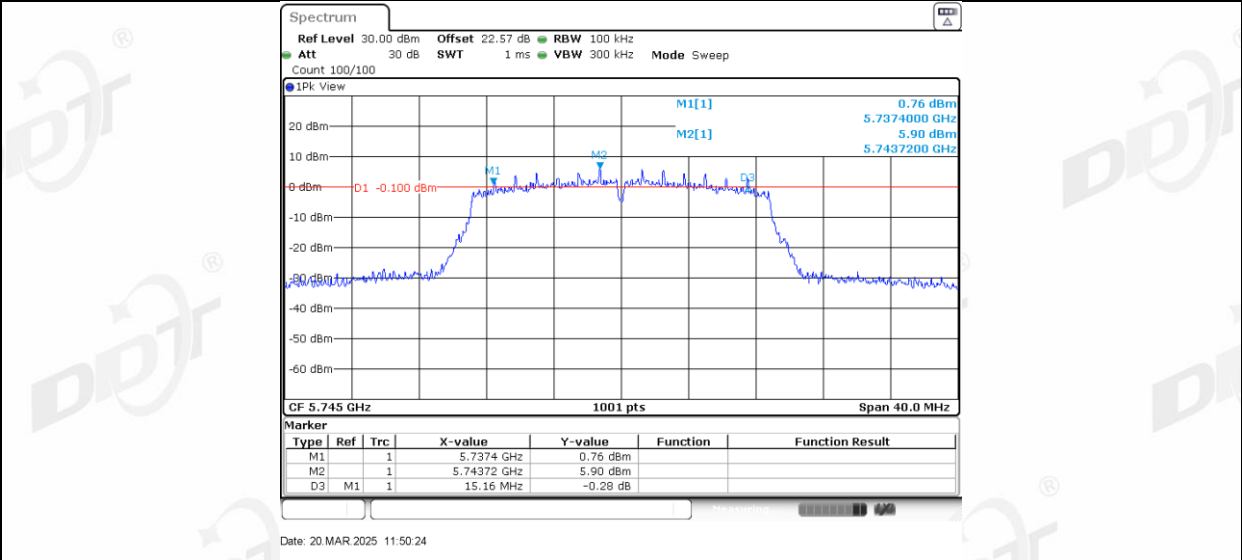
11N40MIMO_Ant1_5795



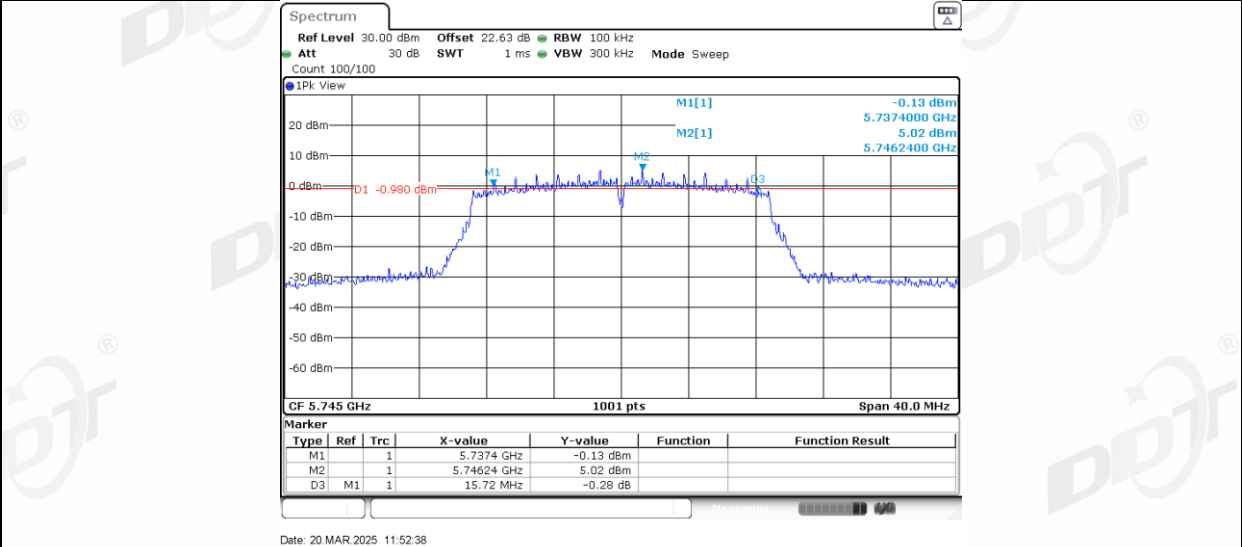
11N40MIMO_Ant2_5795



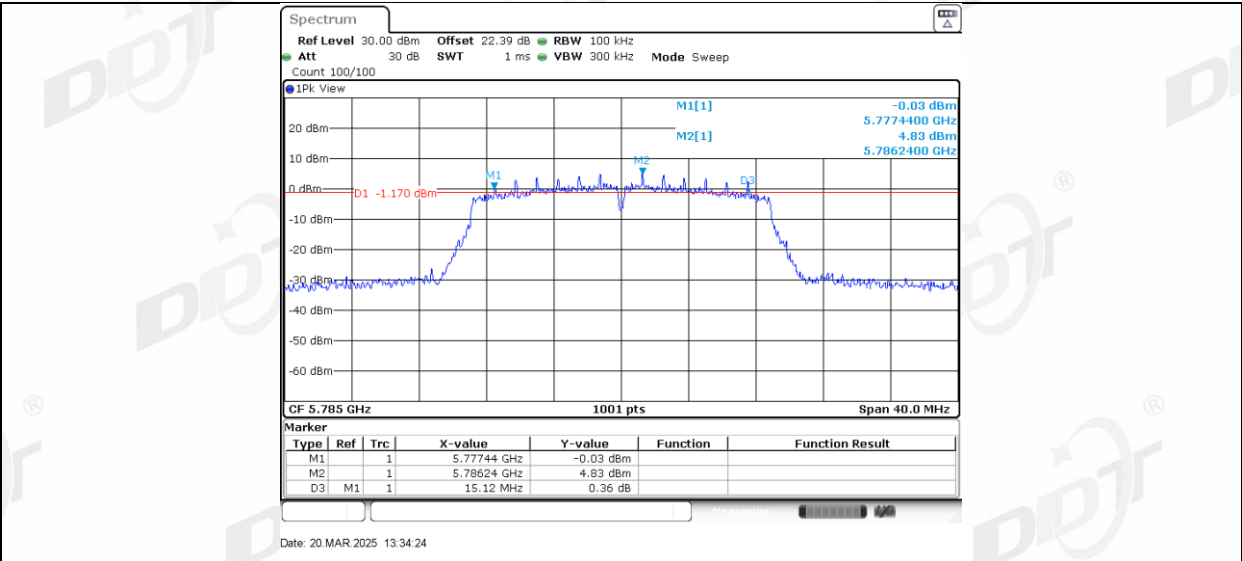
11AC20MIMO_Ant1_5745



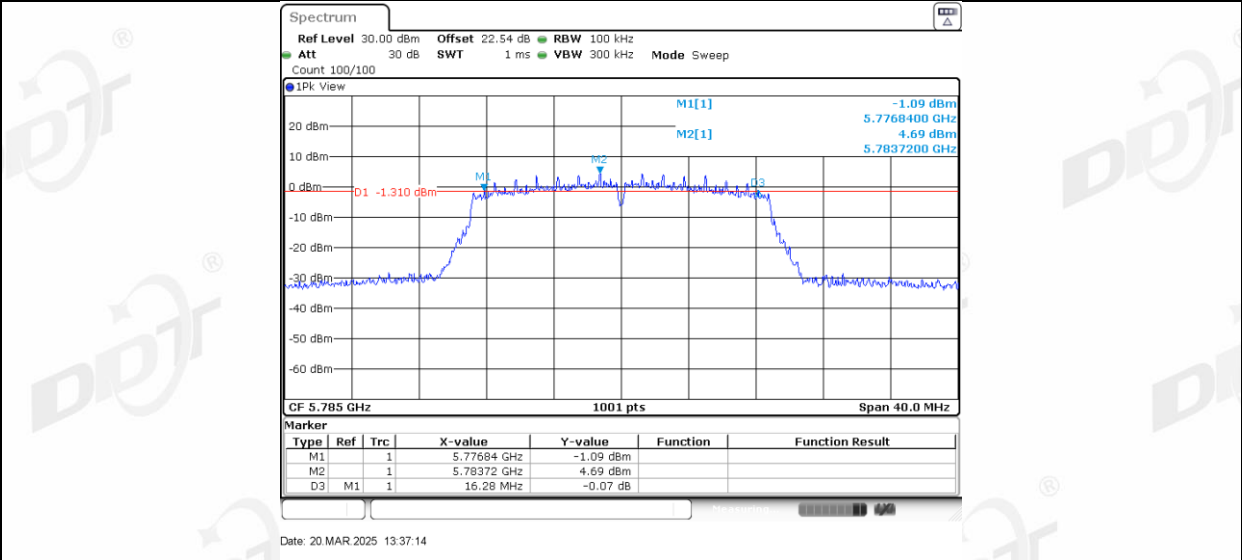
11AC20MIMO_Ant2_5745



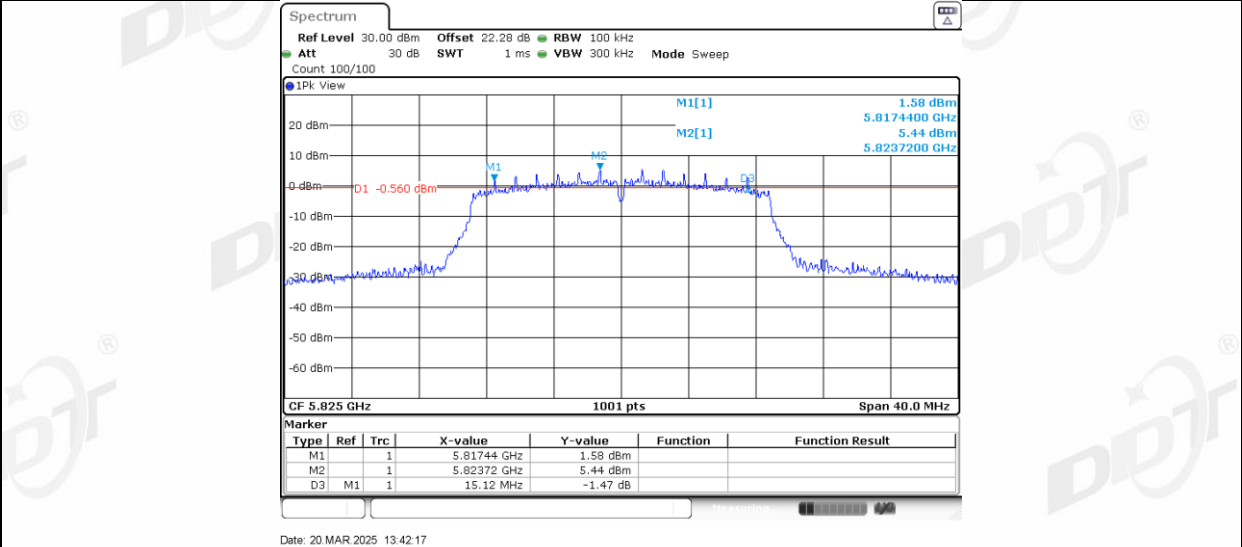
11AC20MIMO_Ant1_5785



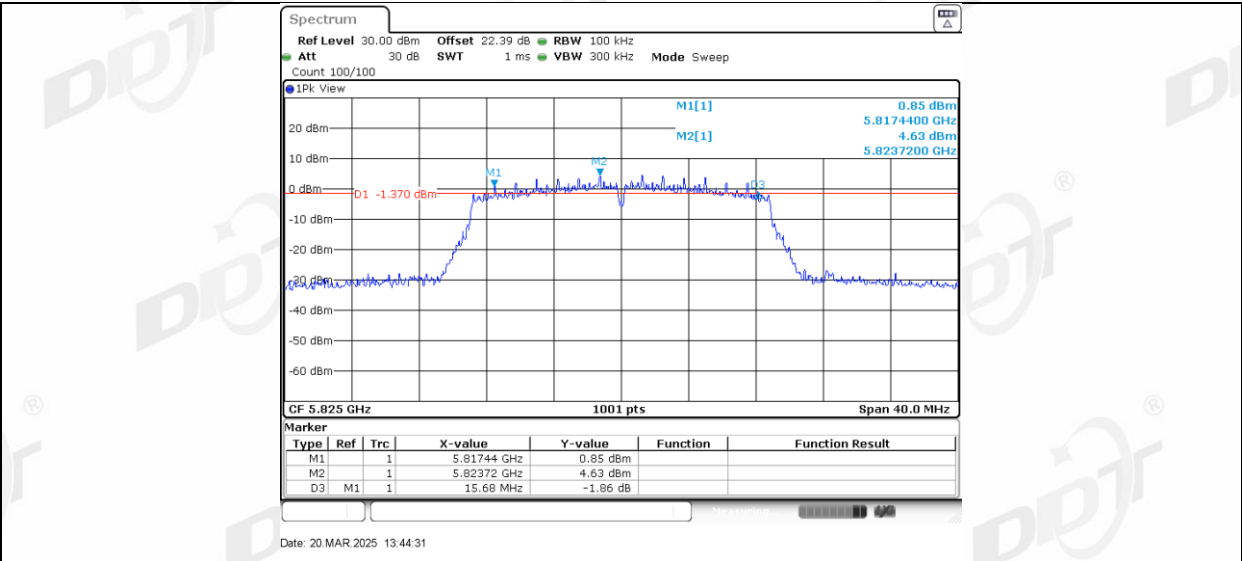
11AC20MIMO_Ant2_5785



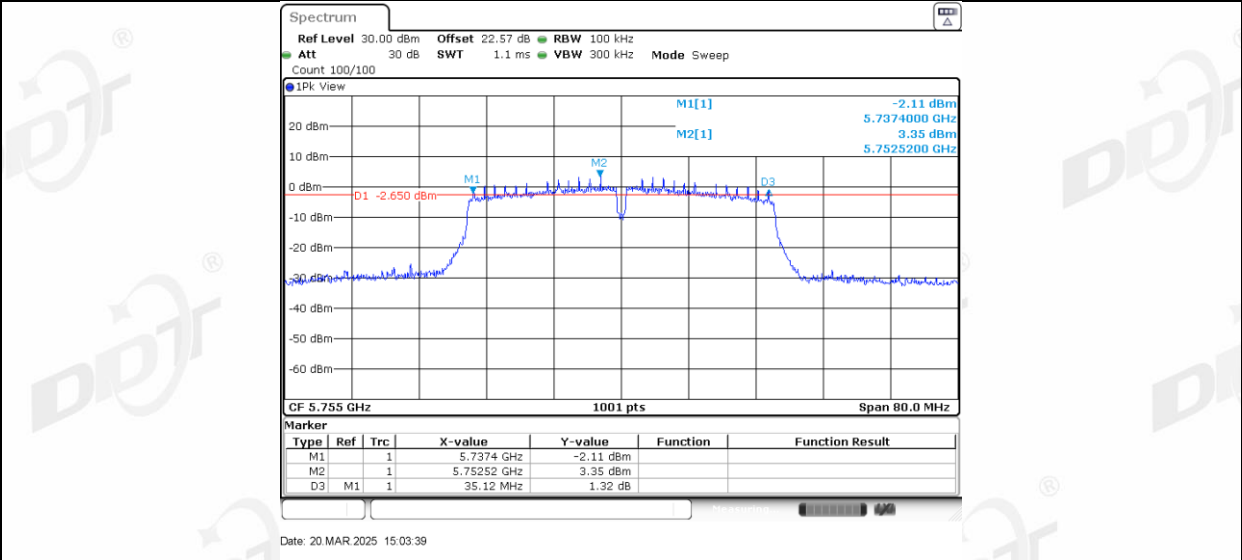
11AC20MIMO_Ant1_5825



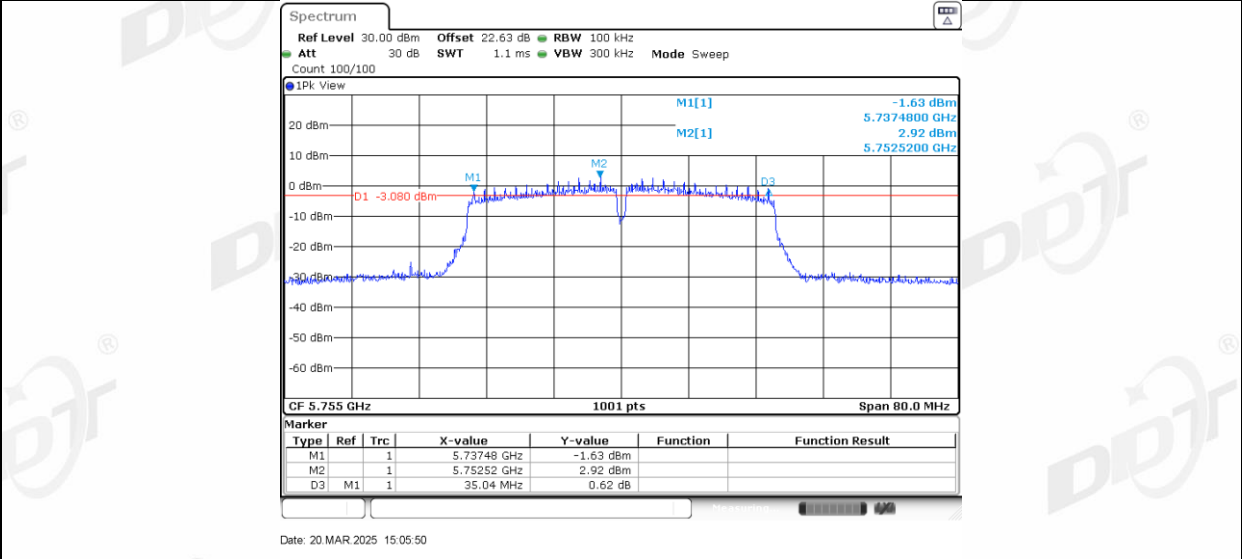
11AC20MIMO_Ant2_5825



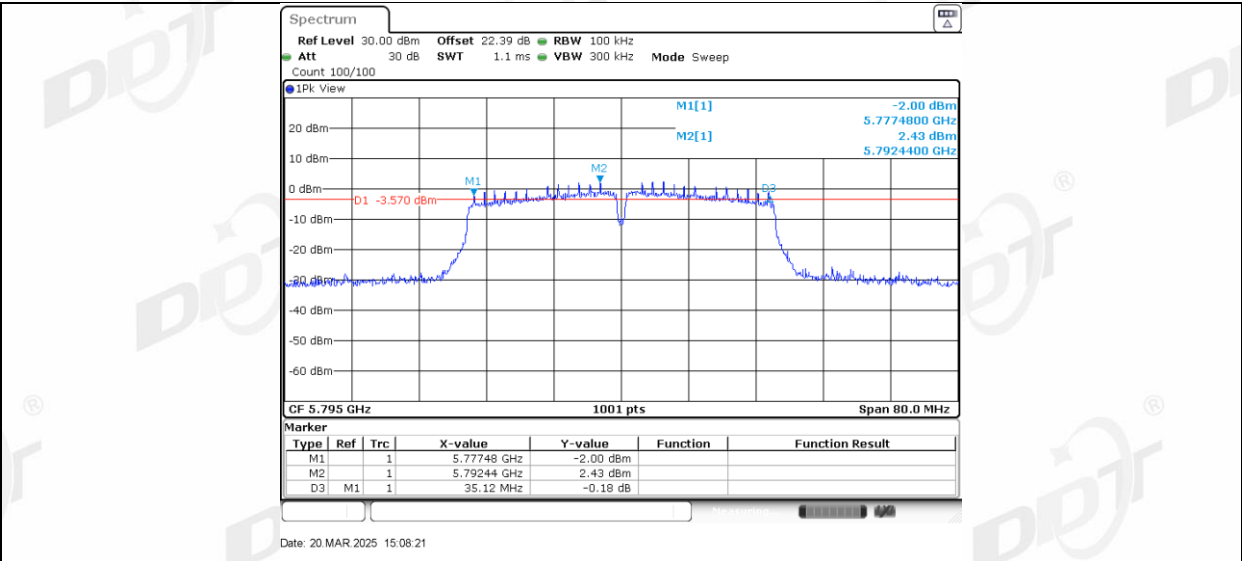
11AC40MIMO_Ant1_5755



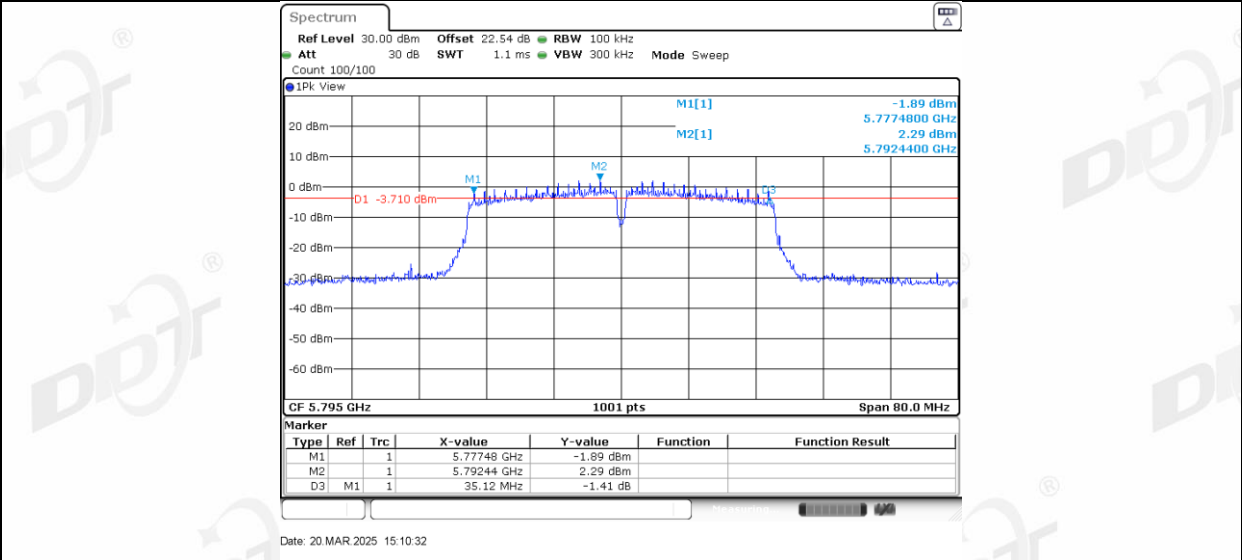
11AC40MIMO_Ant2_5755



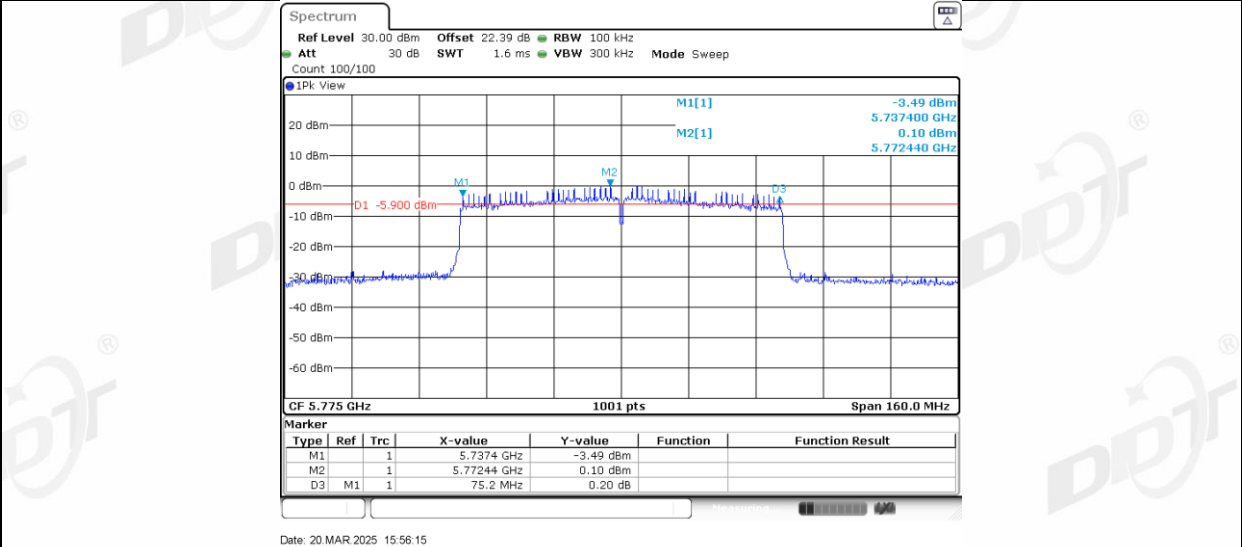
11AC40MIMO_Ant1_5795



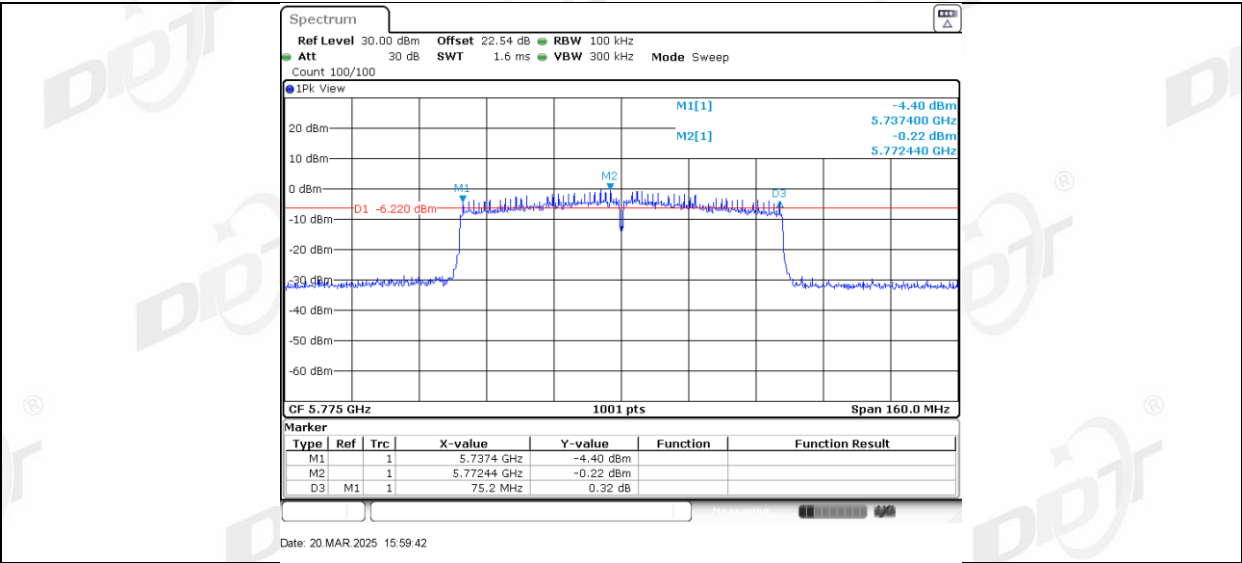
11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775

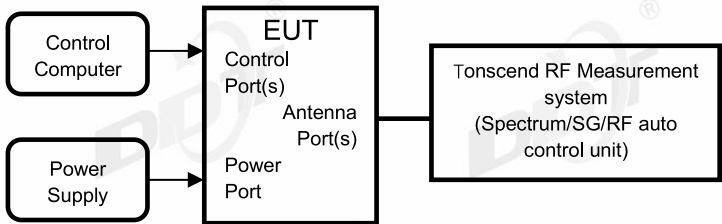


11AC80MIMO_Ant2_5775



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

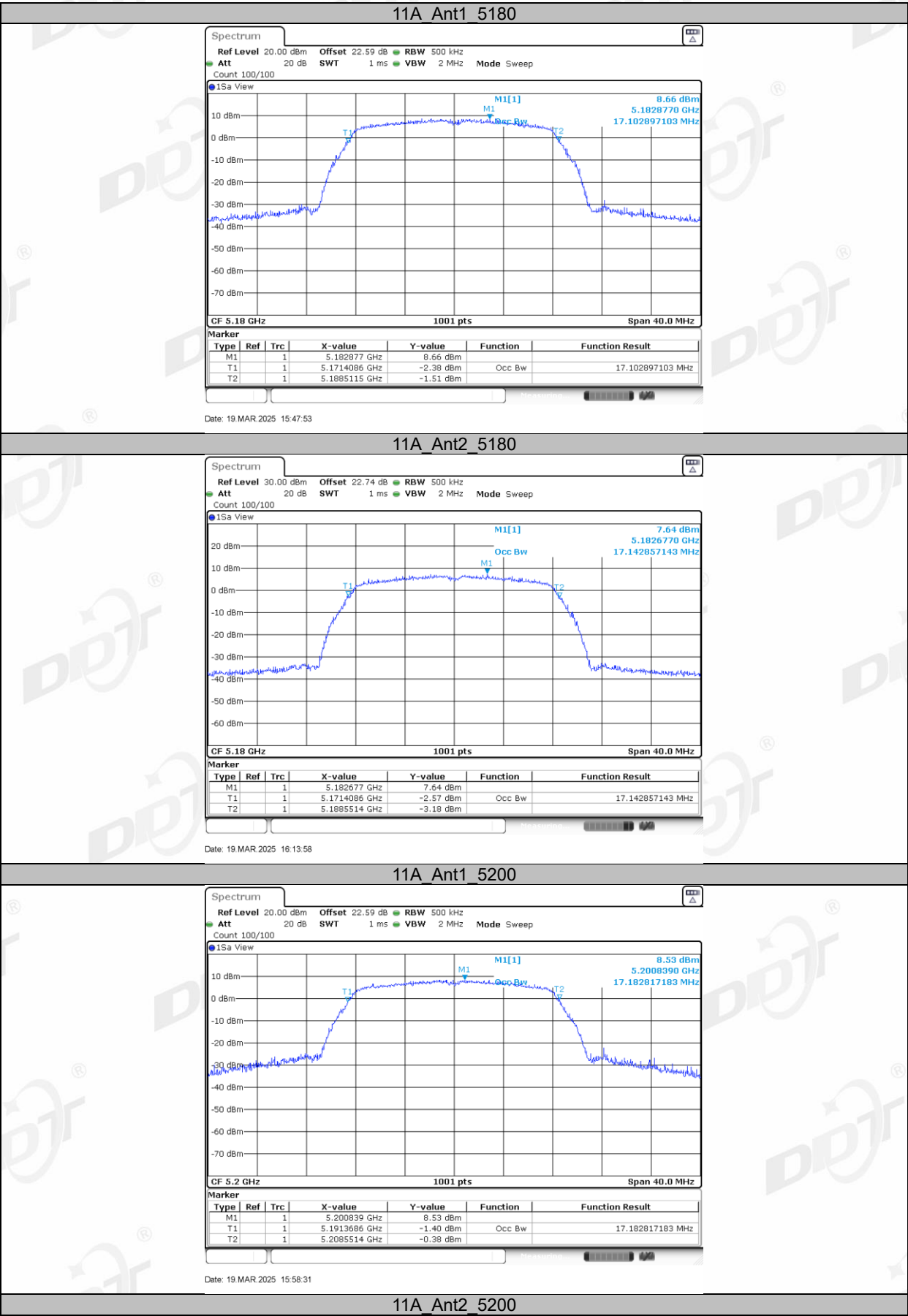
Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	23.2-50.4℃,29.6-35.1%RH	Test Date:	2025.03.19-2025.03.29
Test Power Supply:	AC 120V	Sample Number:	S25011610-003

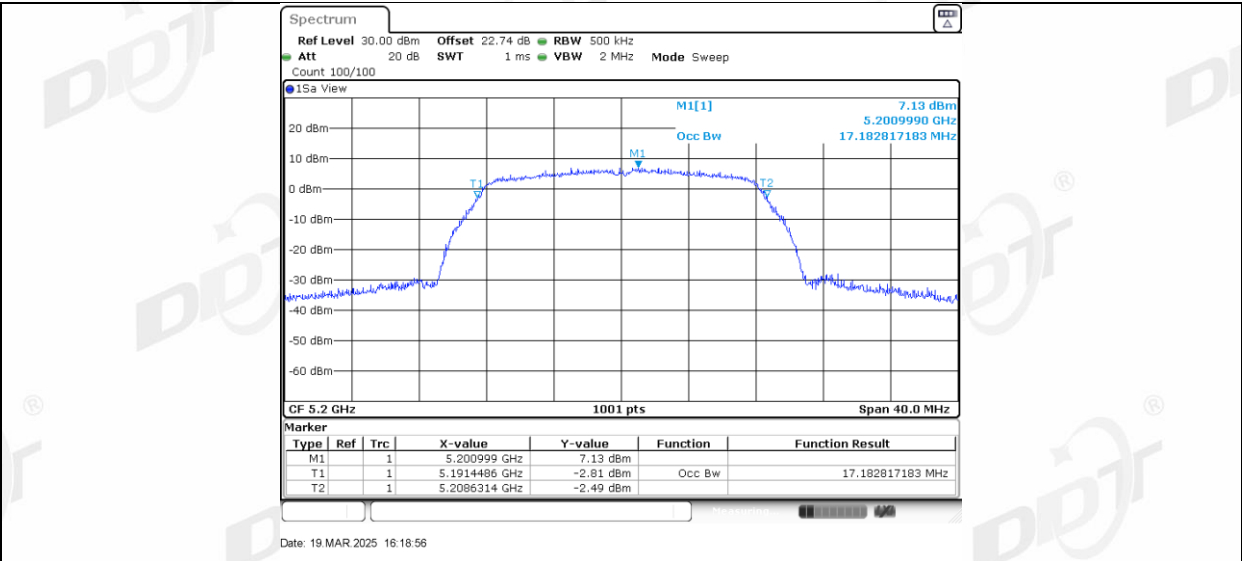
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.103	5171.4086	5188.5115	---	---
	Ant2	5180	17.143	5171.4086	5188.5514	---	---
	Ant1	5200	17.183	5191.3686	5208.5514	---	---
	Ant2	5200	17.183	5191.4486	5208.6314	---	---
	Ant1	5240	17.143	5231.4086	5248.5514	---	---
	Ant2	5240	17.223	5231.3686	5248.5914	---	---
	Ant1	5260	18.142	5250.9690	5269.1109	---	---
	Ant2	5260	17.423	5251.2887	5268.7113	---	---
	Ant1	5280	17.502	5271.2488	5288.7512	---	---
	Ant2	5280	17.423	5271.2887	5288.7113	---	---
	Ant1	5320	17.742	5311.1289	5328.8711	---	---
	Ant2	5320	17.463	5311.2887	5328.7512	---	---
	Ant1	5500	17.343	5491.3287	5508.6713	---	---
	Ant2	5500	17.423	5491.2887	5508.7113	---	---
	Ant1	5580	17.423	5571.2887	5588.7113	---	---
	Ant2	5580	17.383	5571.3287	5588.7113	---	---
	Ant1	5700	17.463	5691.2488	5708.7113	---	---
	Ant2	5700	17.423	5691.2488	5708.6713	---	---
	Ant1	5720	17.423	5711.2488	5728.6713	---	---
	Ant2	5720	17.423	5711.2488	5728.6713	---	---
	Ant1	5720 UNII-2C	13.751	5711.2488	5725	---	---
	Ant2	5720 UNII-2C	13.751	5711.2488	5725	---	---
	Ant1	5720 UNII-3	3.671	5725	5728.6713	---	---
	Ant2	5720 UNII-3	3.671	5725	5728.6713	---	---
	Ant1	5745	17.423	5736.2088	5753.6314	---	---
	Ant2	5745	17.423	5736.2887	5753.7113	---	---
	Ant1	5785	17.502	5776.2488	5793.7512	---	---
	Ant2	5785	17.423	5776.2887	5793.7113	---	---
	Ant1	5825	17.702	5816.2088	5833.9111	---	---
	Ant2	5825	17.463	5816.2887	5833.7512	---	---
11N20MIMO	Ant1	5180	17.982	5171.0090	5188.9910	---	---
	Ant2	5180	17.782	5171.0889	5188.8711	---	---
	Ant1	5200	18.022	5190.9690	5208.9910	---	---
	Ant2	5200	17.782	5191.0889	5208.8711	---	---
	Ant1	5240	17.982	5231.0090	5248.9910	---	---
	Ant2	5240	17.782	5231.0889	5248.8711	---	---
	Ant1	5260	18.142	5250.9291	5269.0709	---	---
	Ant2	5260	17.862	5251.0490	5268.9111	---	---
	Ant1	5280	18.142	5270.9291	5289.0709	---	---
	Ant2	5280	17.782	5271.0889	5288.8711	---	---
	Ant1	5320	18.182	5310.8891	5329.0709	---	---
	Ant2	5320	17.822	5311.0889	5328.9111	---	---
	Ant1	5500	18.142	5490.8891	5509.0310	---	---
	Ant2	5500	17.822	5491.0889	5508.9111	---	---
	Ant1	5580	18.102	5570.9291	5589.0310	---	---
	Ant2	5580	17.822	5571.0490	5588.8711	---	---
	Ant1	5700	18.102	5690.9291	5709.0310	---	---
	Ant2	5700	17.822	5691.0490	5708.8711	---	---
	Ant1	5720	18.062	5710.9291	5728.9910	---	---
	Ant2	5720	17.822	5711.0490	5728.8711	---	---
	Ant1	5720 UNII-2C	14.071	5710.9291	5725	---	---
	Ant2	5720 UNII-2C	13.951	5711.0490	5725	---	---
	Ant1	5720 UNII-3	3.991	5725	5728.9910	---	---
	Ant2	5720 UNII-3	3.871	5725	5728.8711	---	---
	Ant1	5745	18.102	5735.8891	5753.9910	---	---
	Ant2	5745	17.862	5736.0490	5753.9111	---	---

	Ant1	5785	18.142	5775.8891	5794.0310	---	---
	Ant2	5785	17.822	5776.0490	5793.8711	---	---
	Ant1	5825	18.142	5815.9291	5834.0709	---	---
	Ant2	5825	17.862	5816.0490	5833.9111	---	---
11N40MIMO	Ant1	5190	36.284	5171.7782	5208.0619	---	---
	Ant2	5190	36.204	5171.9381	5208.1419	---	---
	Ant1	5230	36.284	5211.8581	5248.1419	---	---
	Ant2	5230	36.284	5211.8581	5248.1419	---	---
	Ant1	5270	36.444	5251.7782	5288.2218	---	---
	Ant2	5270	36.364	5251.8581	5288.2218	---	---
	Ant1	5310	36.523	5291.7782	5328.3017	---	---
	Ant2	5310	36.364	5291.8581	5328.2218	---	---
	Ant1	5510	36.523	5491.6983	5528.2218	---	---
	Ant2	5510	36.444	5491.8581	5528.3017	---	---
	Ant1	5550	36.523	5531.7782	5568.3017	---	---
	Ant2	5550	36.444	5531.7782	5568.2218	---	---
	Ant1	5670	36.523	5651.6983	5688.2218	---	---
	Ant2	5670	36.444	5651.7782	5688.2218	---	---
	Ant1	5710	36.444	5691.7782	5728.2218	---	---
	Ant2	5710	36.364	5691.7782	5728.1419	---	---
	Ant1	5710 UNII-2C	33.222	5691.7782	5725	---	---
	Ant2	5710 UNII-2C	33.222	5691.7782	5725	---	---
	Ant1	5710 UNII-3	3.222	5725	5728.2218	---	---
	Ant2	5710 UNII-3	3.142	5725	5728.1419	---	---
	Ant1	5755	36.523	5736.6184	5773.1419	---	---
	Ant2	5755	36.364	5736.7782	5773.1419	---	---
	Ant1	5795	36.683	5776.6983	5813.3816	---	---
	Ant2	5795	36.444	5776.7782	5813.2218	---	---
11AC20MIMO	Ant1	5180	18.022	5170.9690	5188.9910	---	---
	Ant2	5180	17.782	5171.0889	5188.8711	---	---
	Ant1	5200	18.062	5190.9291	5208.9910	---	---
	Ant2	5200	17.782	5191.0889	5208.8711	---	---
	Ant1	5240	18.022	5230.9690	5248.9910	---	---
	Ant2	5240	17.782	5231.0889	5248.8711	---	---
	Ant1	5260	18.102	5250.9291	5269.0310	---	---
	Ant2	5260	17.862	5251.0490	5268.9111	---	---
	Ant1	5280	18.182	5270.8891	5289.0709	---	---
	Ant2	5280	17.822	5271.0889	5288.9111	---	---
	Ant1	5320	18.182	5310.8891	5329.0709	---	---
	Ant2	5320	17.862	5311.0490	5328.9111	---	---
	Ant1	5500	18.102	5490.9291	5509.0310	---	---
	Ant2	5500	17.822	5491.0889	5508.9111	---	---
	Ant1	5580	18.142	5570.8891	5589.0310	---	---
	Ant2	5580	17.822	5571.0490	5588.8711	---	---
	Ant1	5700	18.102	5690.9291	5709.0310	---	---
	Ant2	5700	17.822	5691.0490	5708.8711	---	---
	Ant1	5720	18.062	5710.9291	5728.9910	---	---
	Ant2	5720	17.822	5711.0490	5728.8711	---	---
	Ant1	5720 UNII-2C	14.071	5710.9291	5725	---	---
	Ant2	5720 UNII-2C	13.951	5711.0490	5725	---	---
	Ant1	5720 UNII-3	3.991	5725	5728.9910	---	---
	Ant2	5720 UNII-3	3.871	5725	5728.8711	---	---
	Ant1	5745	18.102	5735.8891	5753.9910	---	---
	Ant2	5745	17.862	5736.0490	5753.9111	---	---
	Ant1	5785	18.142	5775.9291	5794.0709	---	---
	Ant2	5785	17.822	5776.0490	5793.8711	---	---
	Ant1	5825	18.142	5815.9291	5834.0709	---	---
	Ant2	5825	17.862	5816.0490	5833.9111	---	---
11AC40MIMO	Ant1	5190	36.364	5171.7782	5208.1419	---	---
	Ant2	5190	36.204	5171.8581	5208.0619	---	---
	Ant1	5230	36.284	5211.8581	5248.1419	---	---
	Ant2	5230	36.284	5211.8581	5248.1419	---	---
	Ant1	5270	36.444	5251.7782	5288.2218	---	---
	Ant2	5270	36.364	5251.7782	5288.1419	---	---

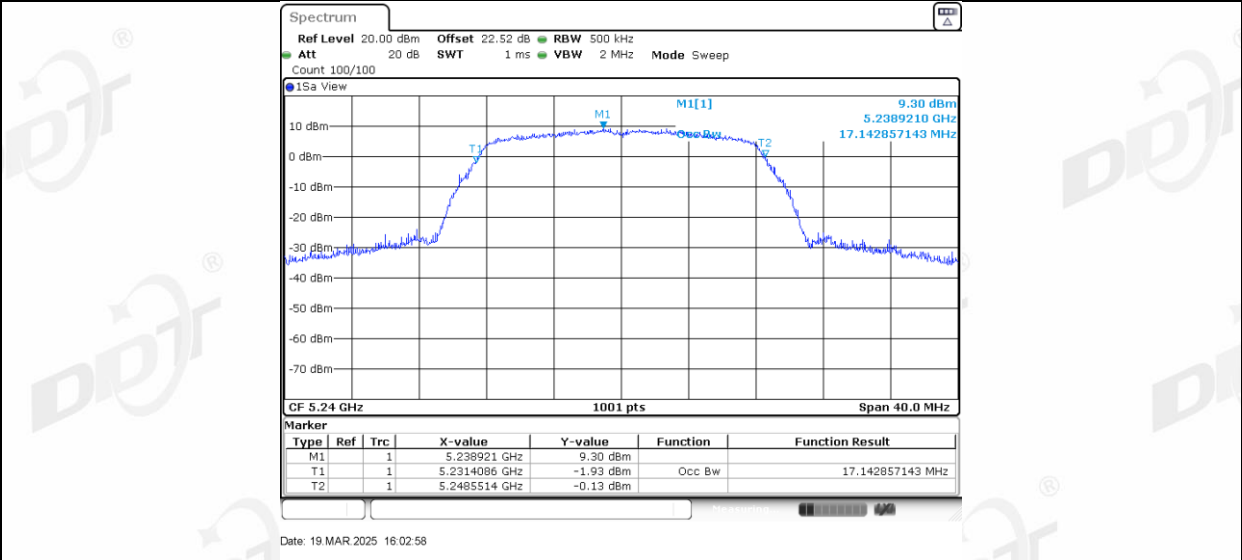
	Ant1	5310	36.523	5291.7782	5328.3017	---	---
	Ant2	5310	36.364	5291.8581	5328.2218	---	---
	Ant1	5510	36.444	5491.7782	5528.2218	---	---
	Ant2	5510	36.364	5491.8581	5528.2218	---	---
	Ant1	5550	36.603	5531.6983	5568.3017	---	---
	Ant2	5550	36.284	5531.8581	5568.1419	---	---
	Ant1	5670	36.603	5651.6983	5688.3017	---	---
	Ant2	5670	36.364	5651.7782	5688.1419	---	---
	Ant1	5710	36.523	5691.6983	5728.2218	---	---
	Ant2	5710	36.364	5691.7782	5728.1419	---	---
	Ant1	5710 UNII-2C	33.302	5691.6983	5725	---	---
	Ant2	5710 UNII-2C	33.222	5691.7782	5725	---	---
	Ant1	5710 UNII-3	3.222	5725	5728.2218	---	---
	Ant2	5710 UNII-3	3.142	5725	5728.1419	---	---
	Ant1	5755	36.523	5736.6184	5773.1419	---	---
	Ant2	5755	36.364	5736.7782	5773.1419	---	---
	Ant1	5795	36.683	5776.6983	5813.3816	---	---
	Ant2	5795	36.444	5776.6983	5813.1419	---	---
11AC80MIMO	Ant1	5210	75.604	5172.2777	5247.8821	---	---
	Ant2	5210	75.445	5172.2777	5247.7223	---	---
	Ant1	5290	75.764	5252.1179	5327.8821	---	---
	Ant2	5290	75.604	5252.2777	5327.8821	---	---
	Ant1	5530	75.764	5492.1179	5567.8821	---	---
	Ant2	5530	75.445	5492.2777	5567.7223	---	---
	Ant1	5610	75.764	5572.1179	5647.8821	---	---
	Ant2	5610	75.445	5572.2777	5647.7223	---	---
	Ant1	5690	75.604	5652.1179	5727.7223	---	---
	Ant2	5690	75.445	5652.1179	5727.5624	---	---
	Ant1	5690 UNII-2C	72.882	5652.1179	5725	---	---
	Ant2	5690 UNII-2C	72.882	5652.1179	5725	---	---
	Ant1	5690 UNII-3	2.722	5725	5727.7223	---	---
	Ant2	5690 UNII-3	2.562	5725	5727.5624	---	---
	Ant1	5775	75.924	5736.9580	5812.8821	---	---
	Ant2	5775	75.604	5737.1179	5812.7223	---	---

6.5. Test graphs

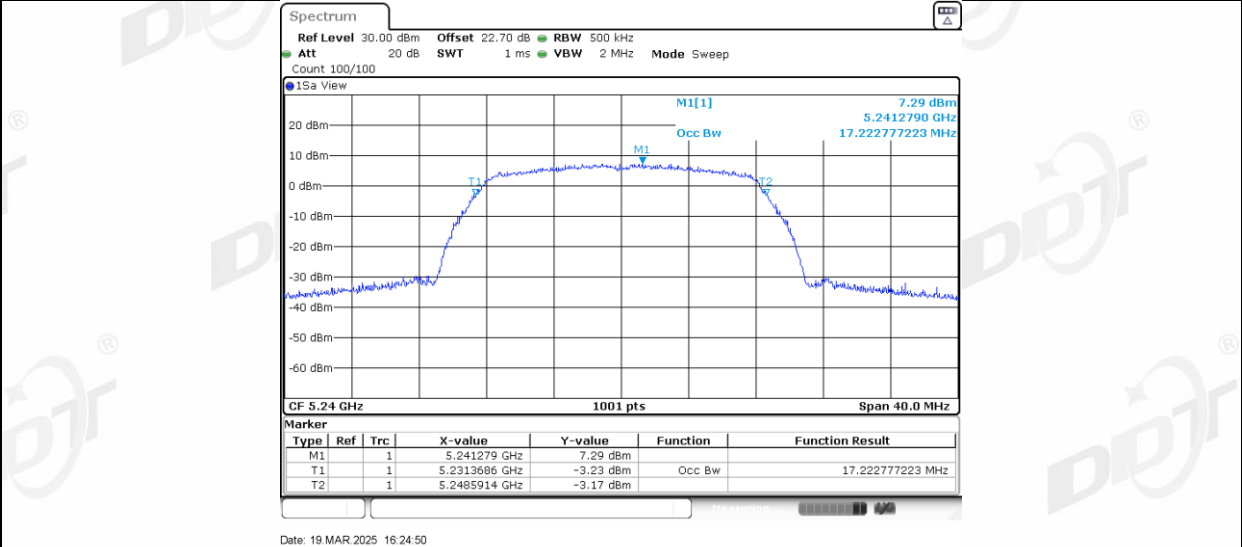




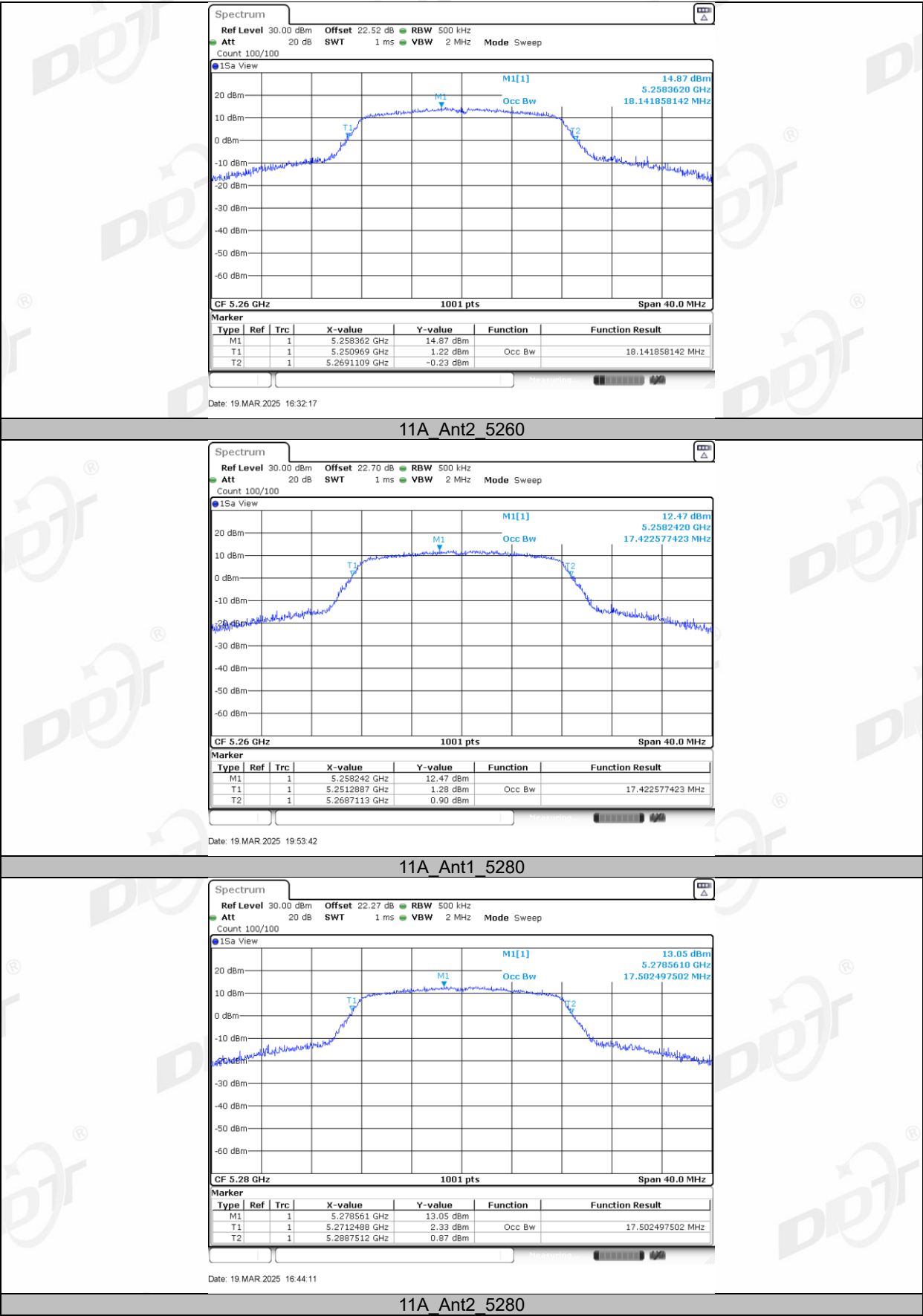
11A_Ant1_5240

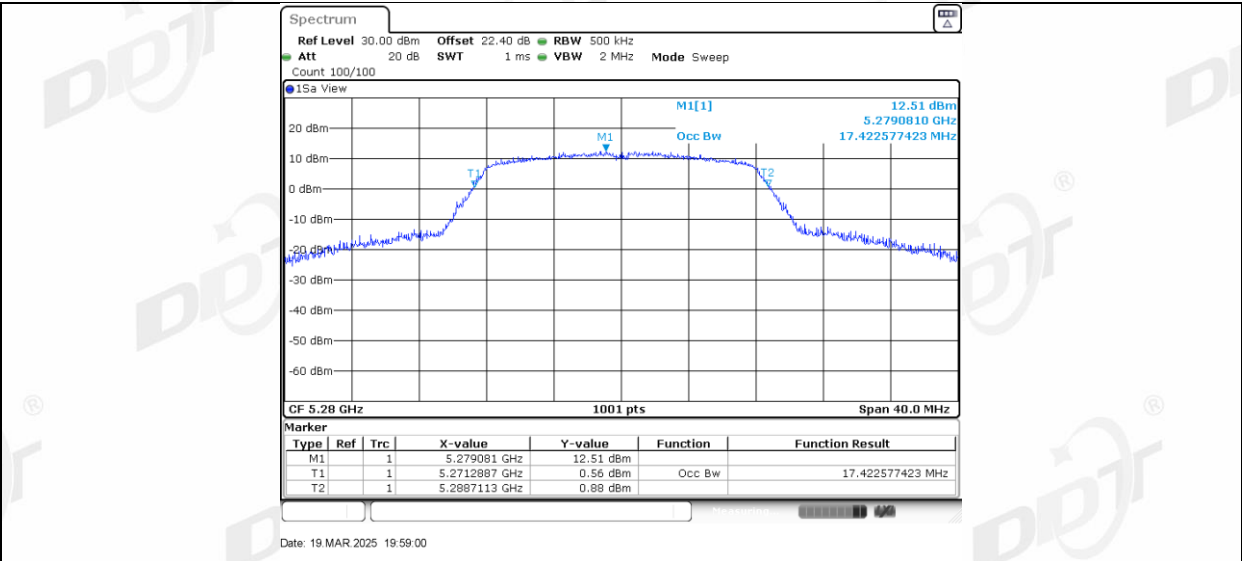


11A_Ant2_5240

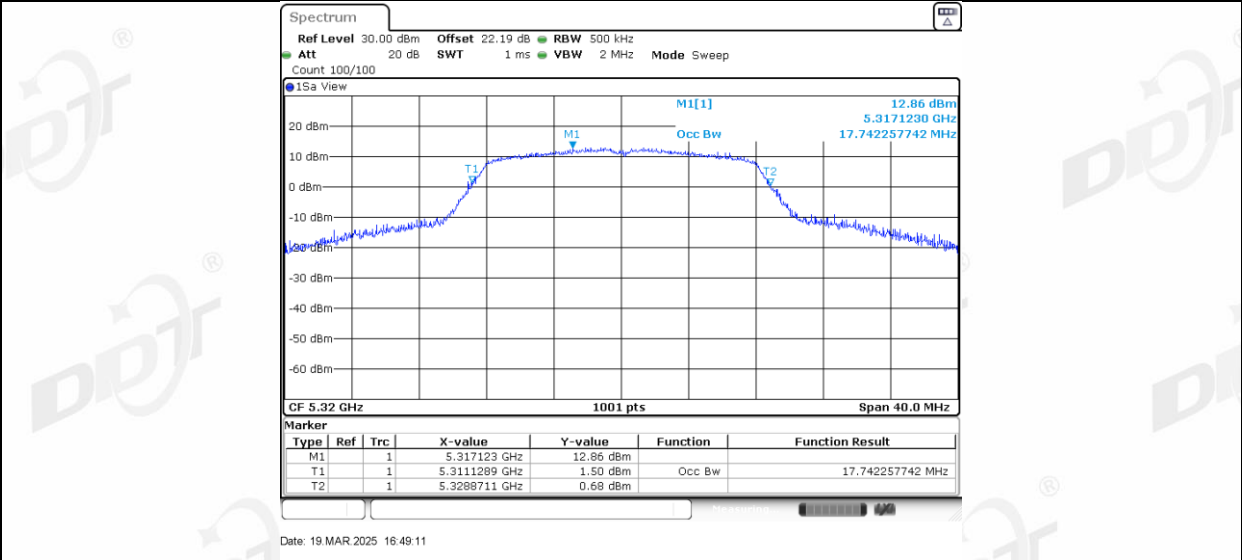


11A_Ant1_5260

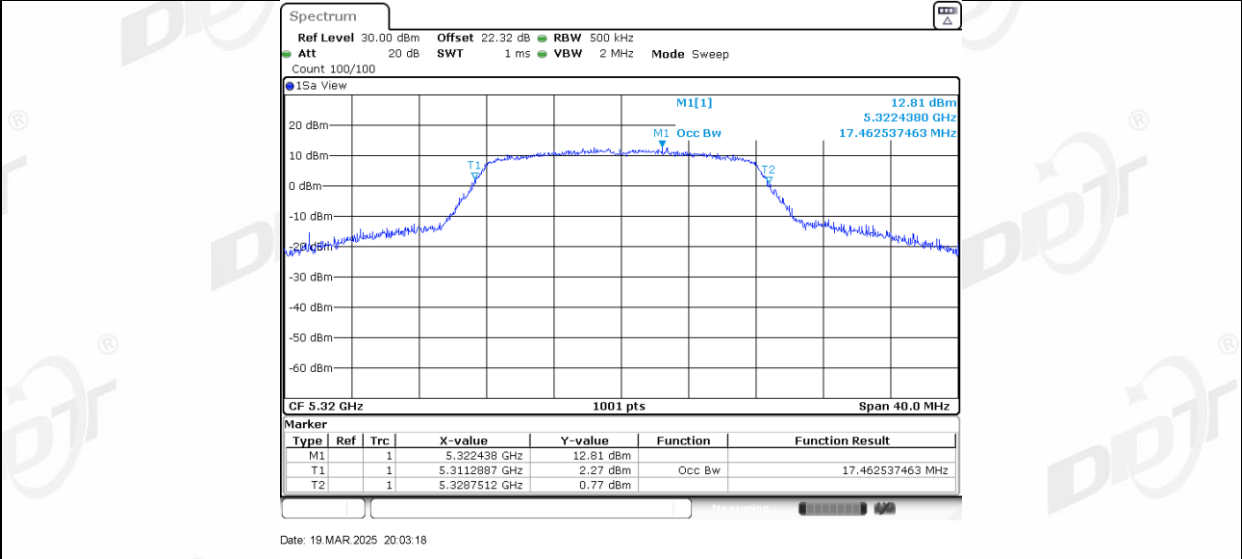




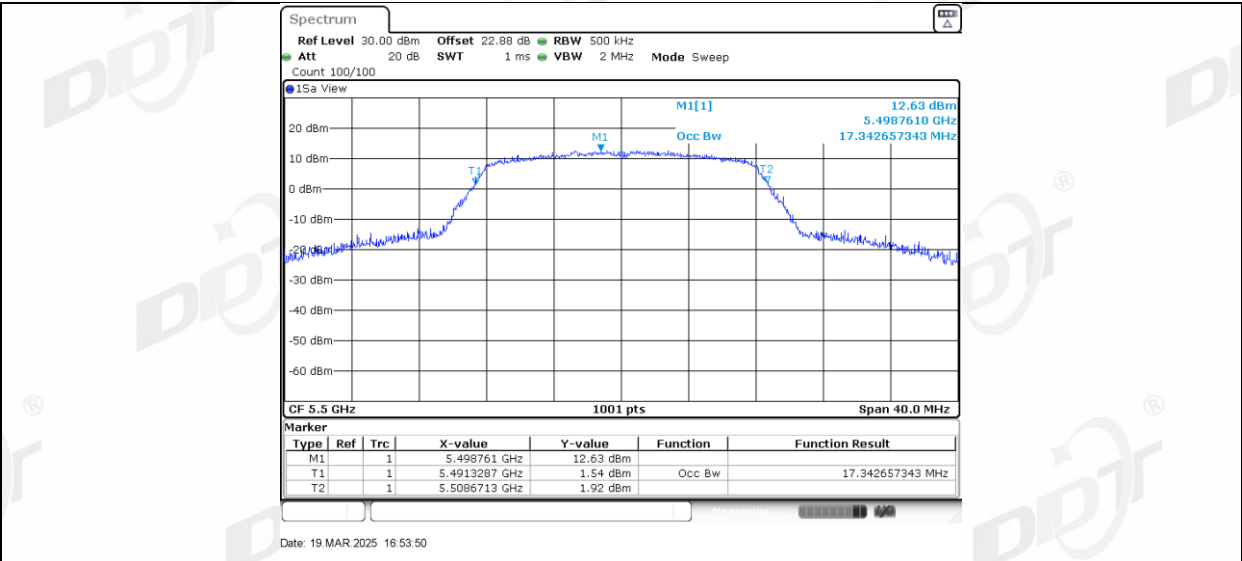
11A_Ant1_5320



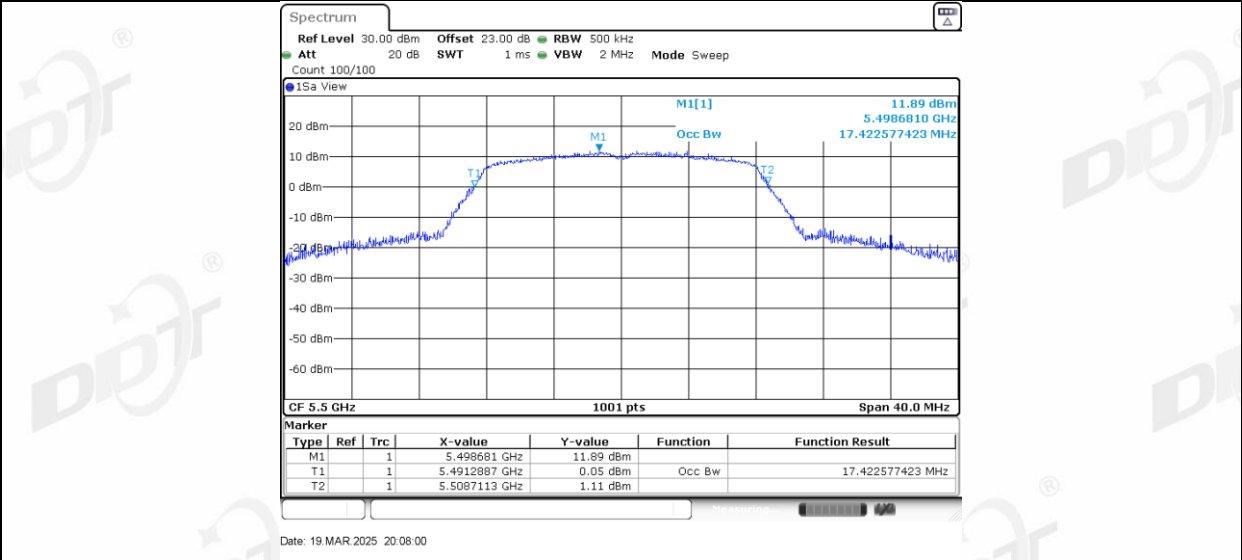
11A_Ant2_5320



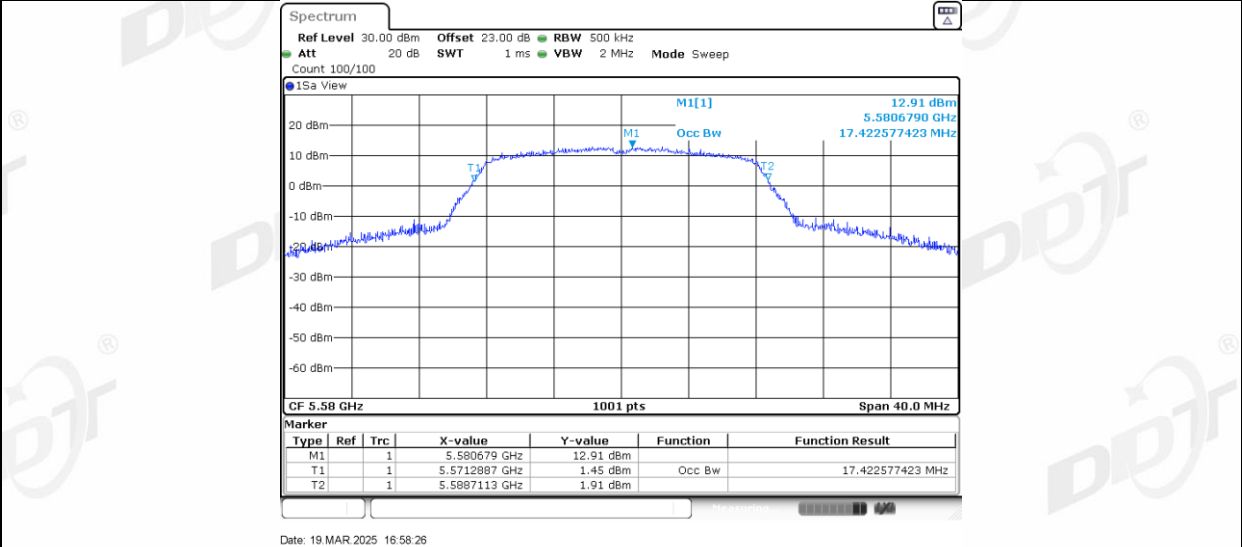
11A_Ant1_5500



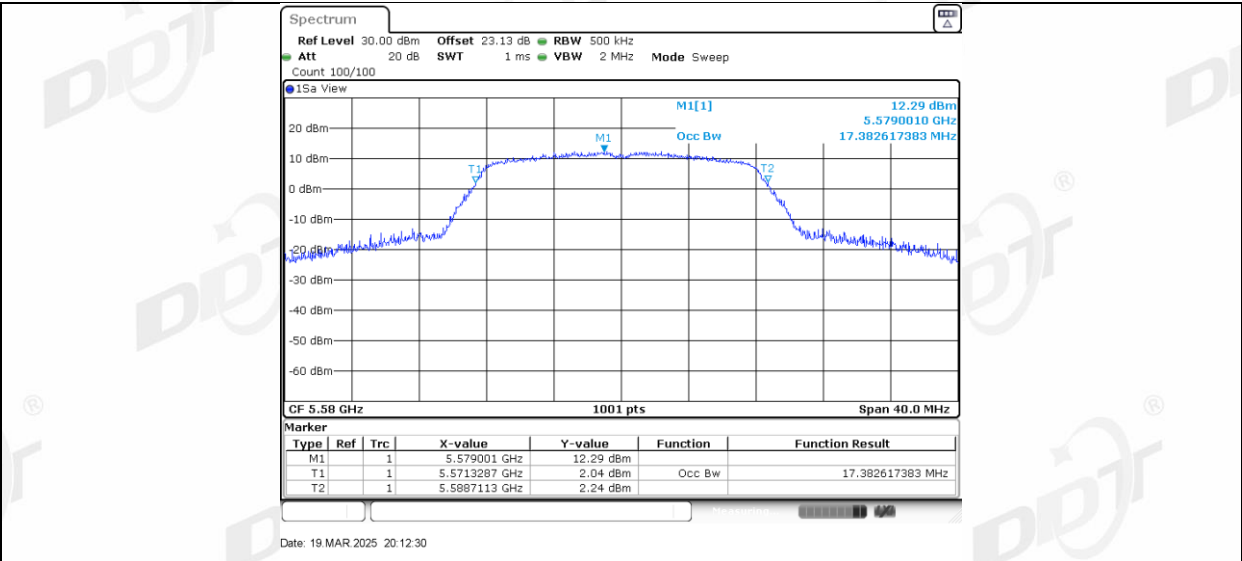
11A_Ant2_5500



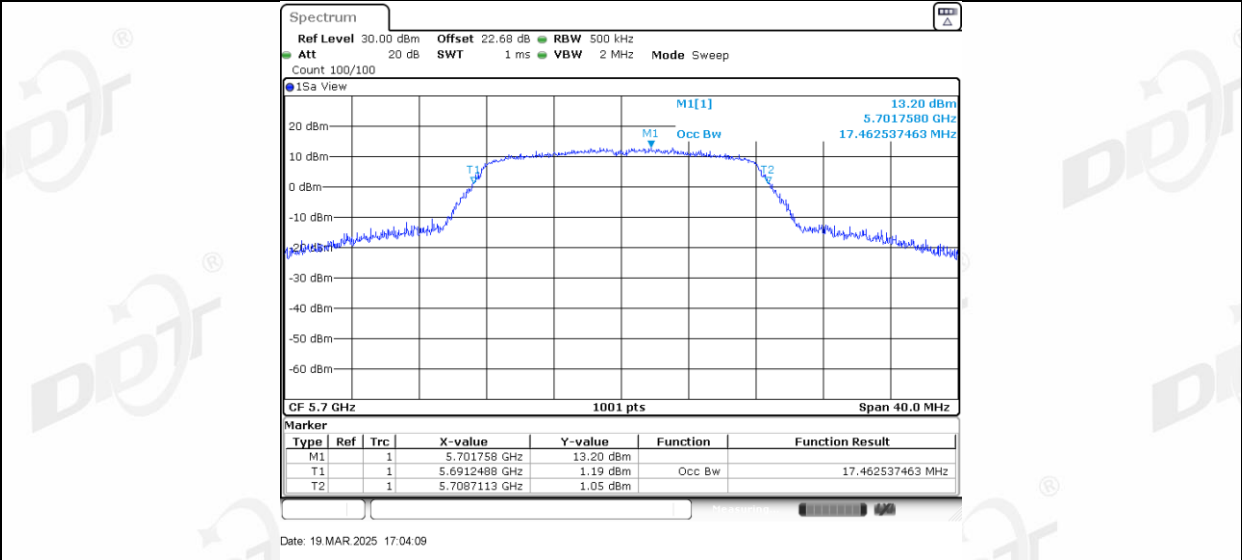
11A_Ant1_5580



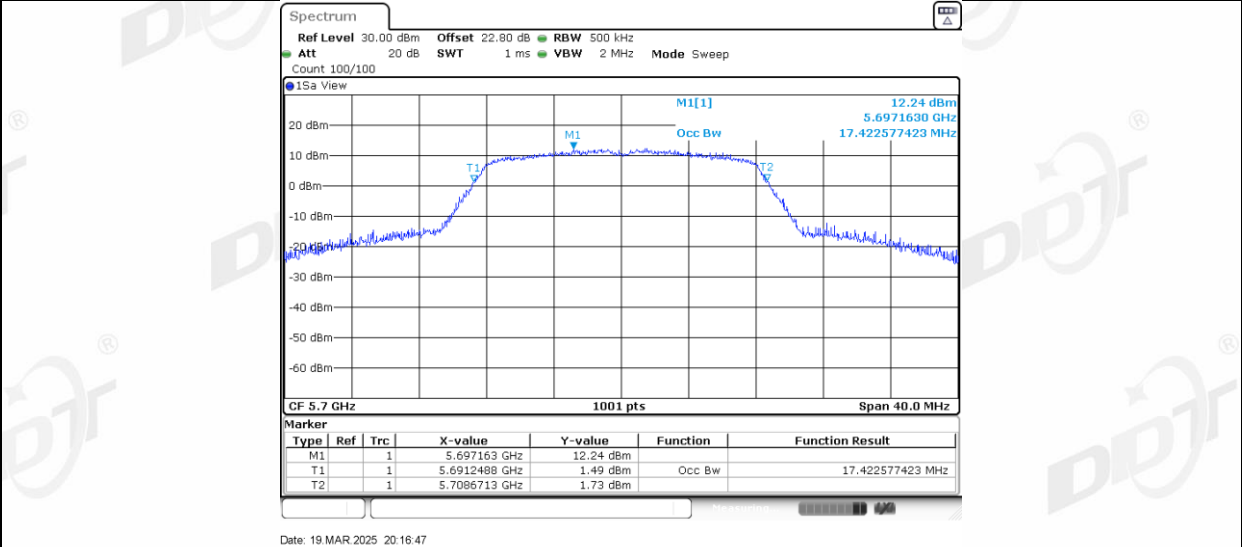
11A_Ant2_5580



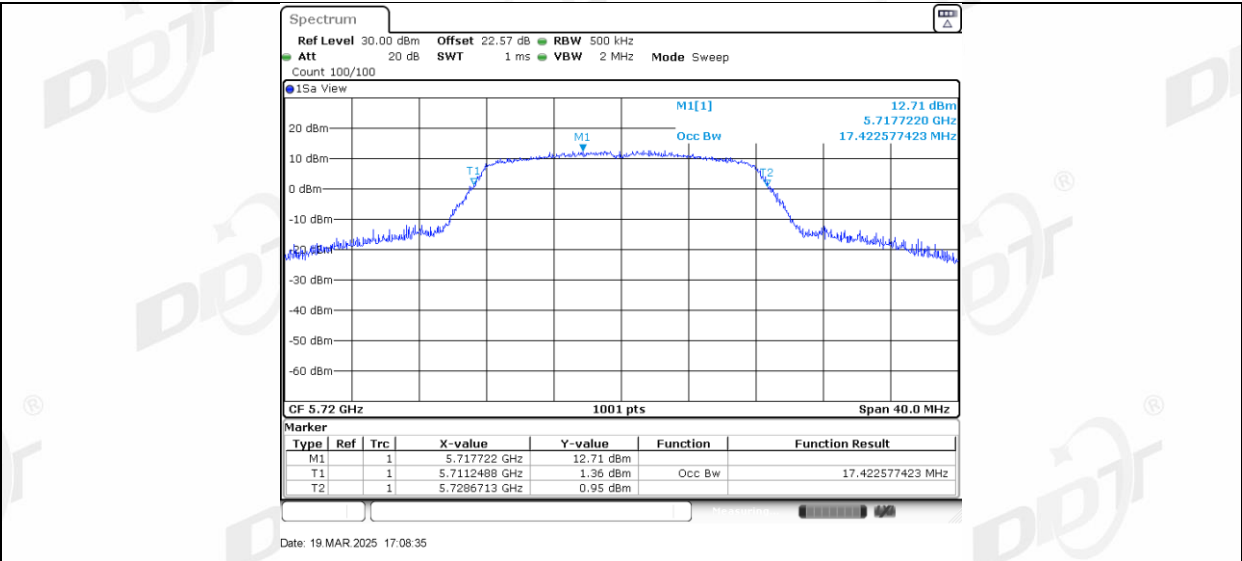
11A_Ant1_5700



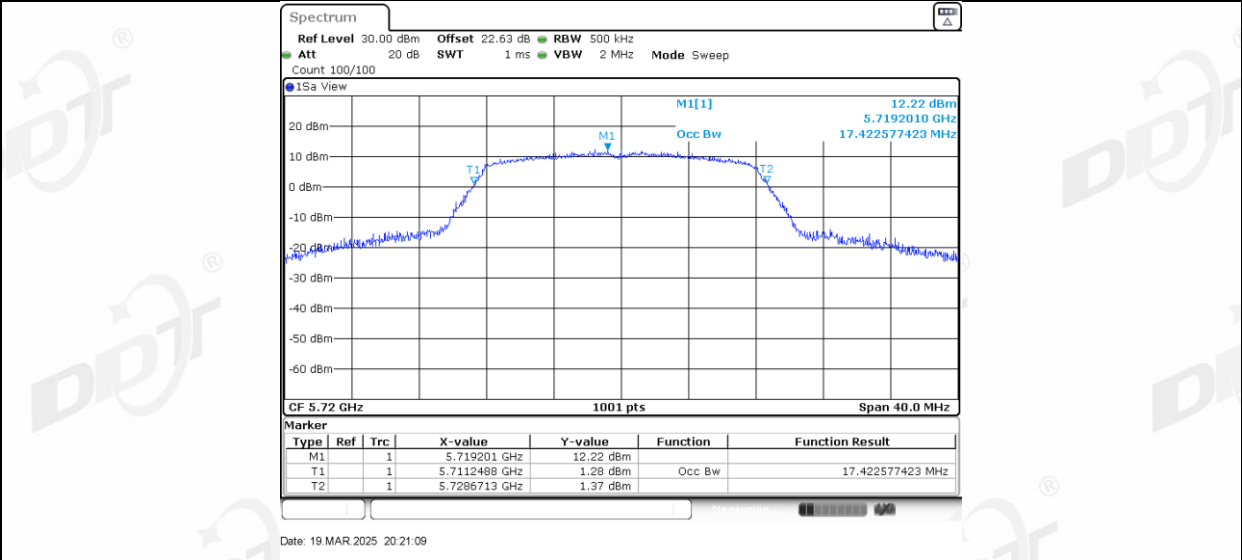
11A_Ant2_5700



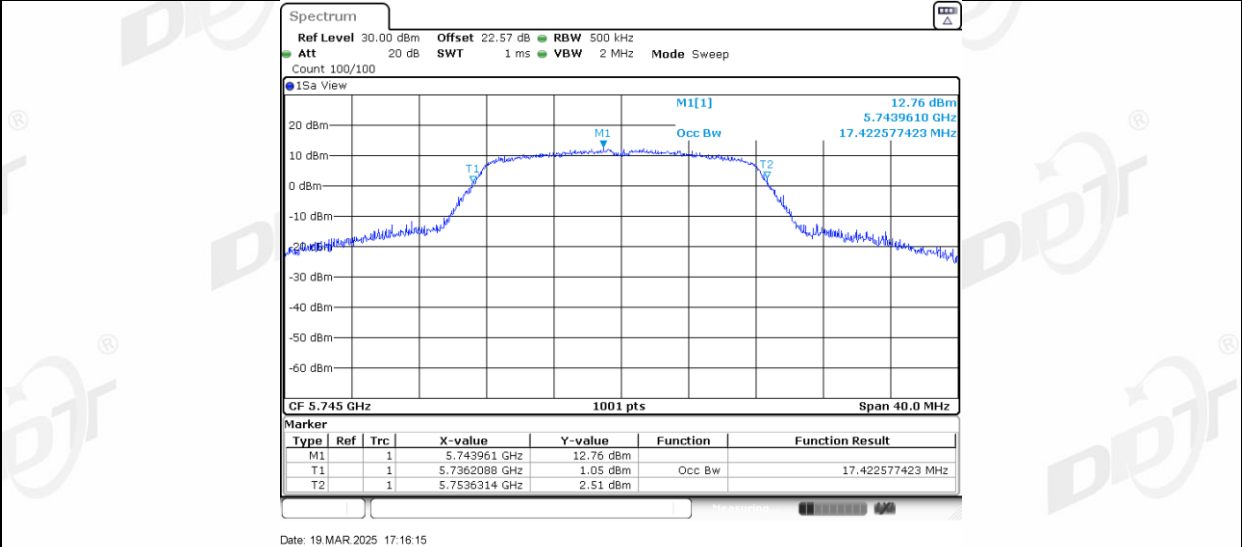
11A_Ant1_5720



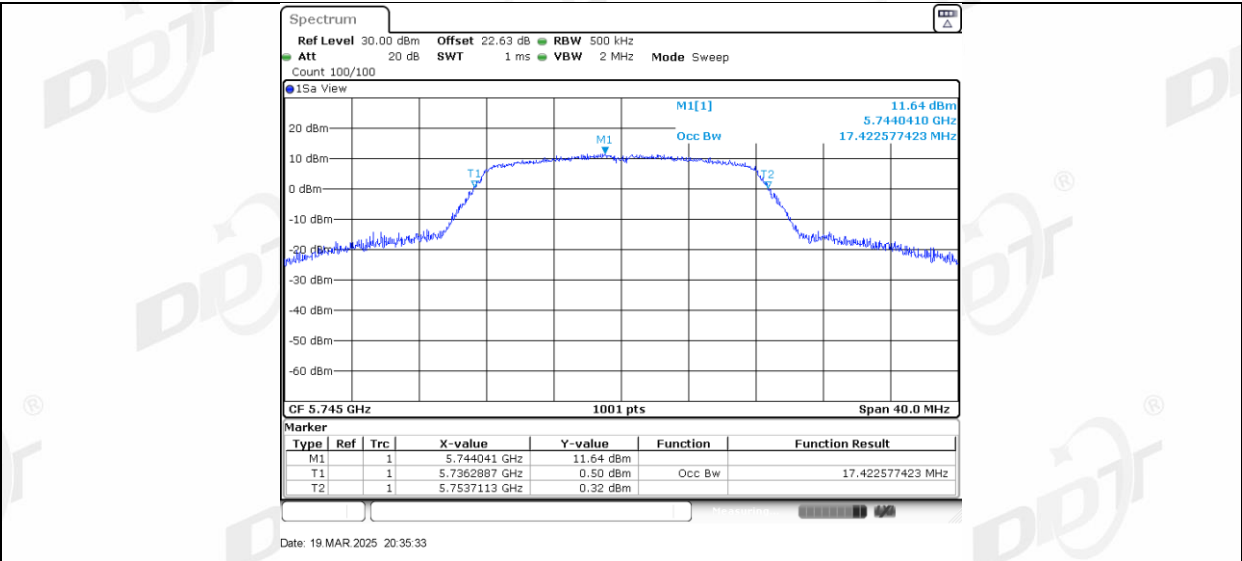
11A_Ant2_5720



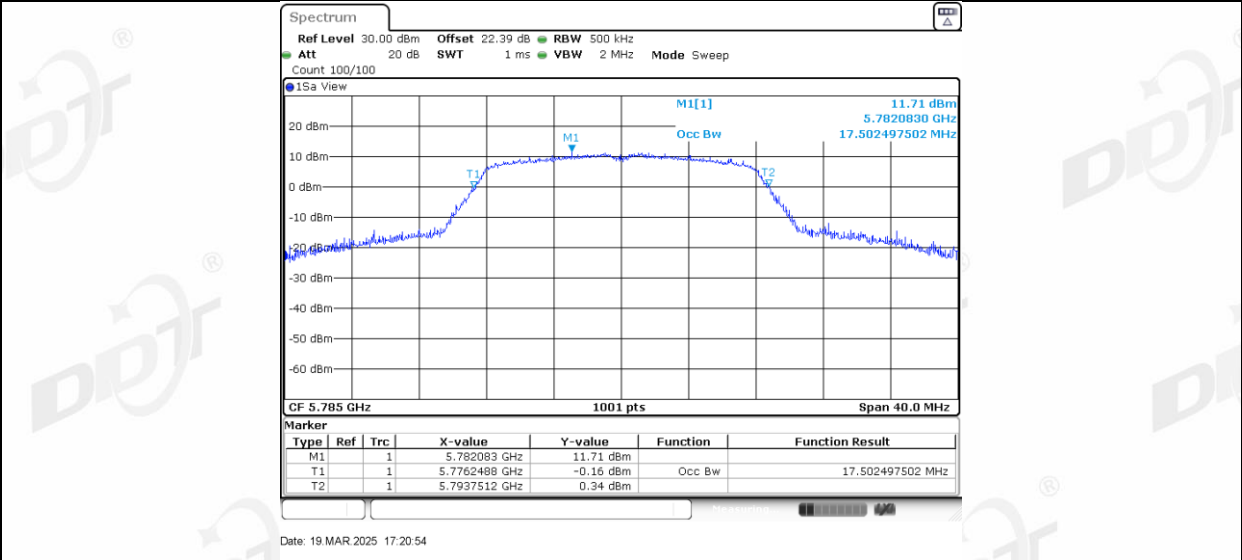
11A_Ant1_5745



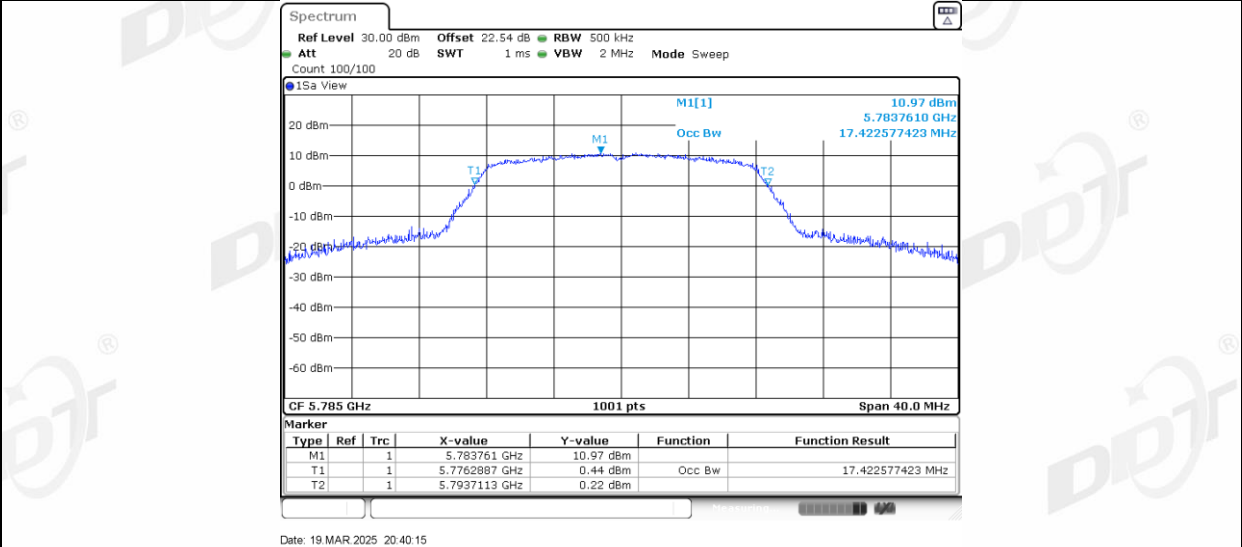
11A_Ant2_5745



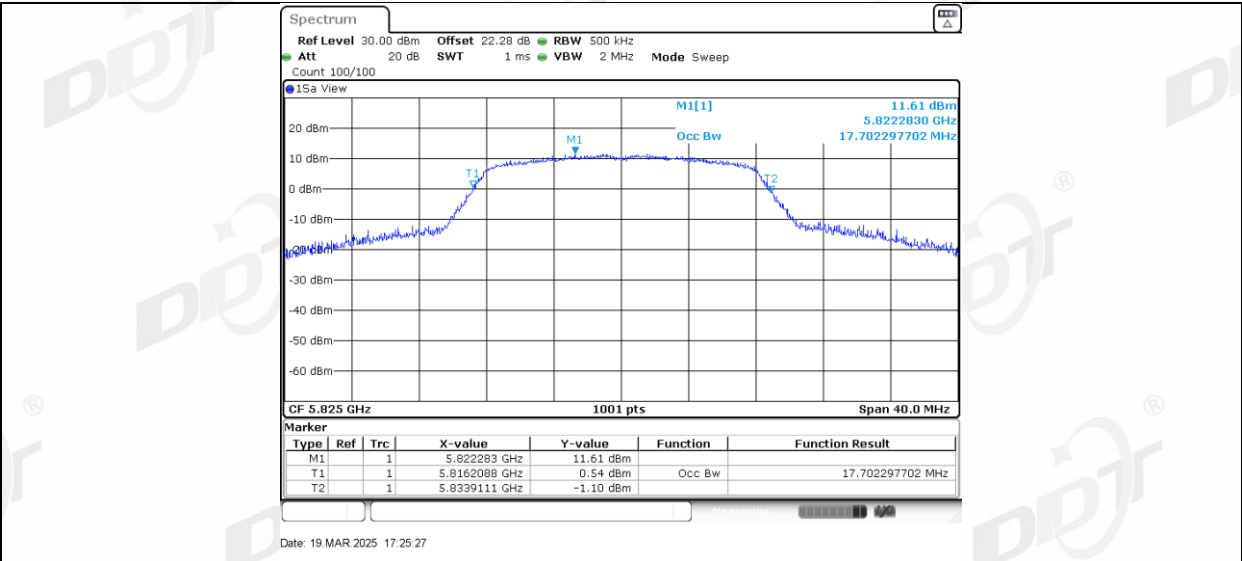
11A_Ant1_5785



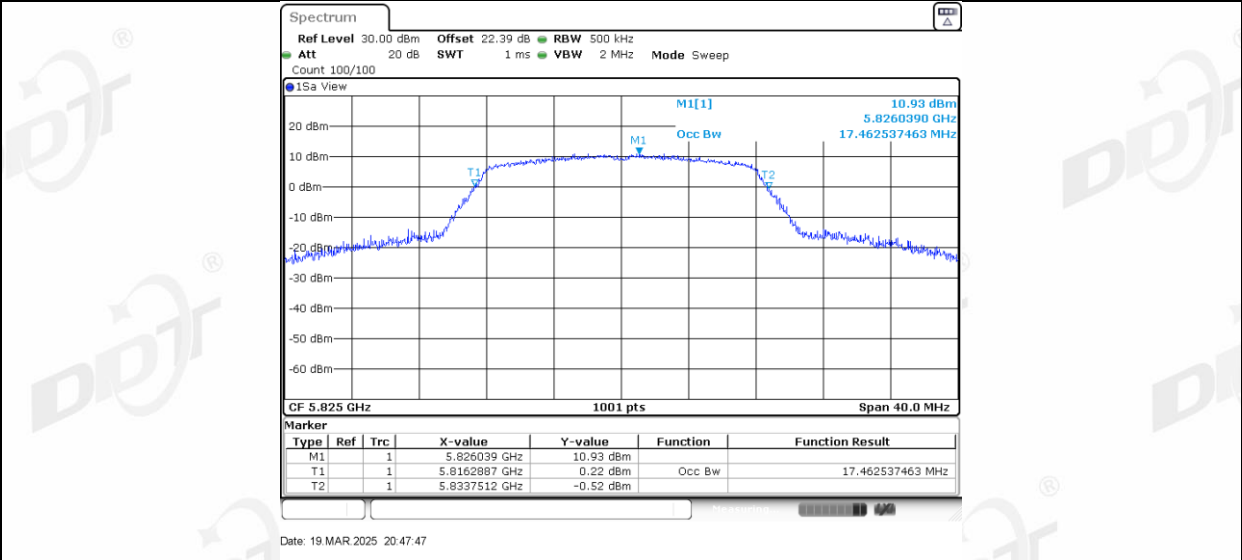
11A_Ant2_5785



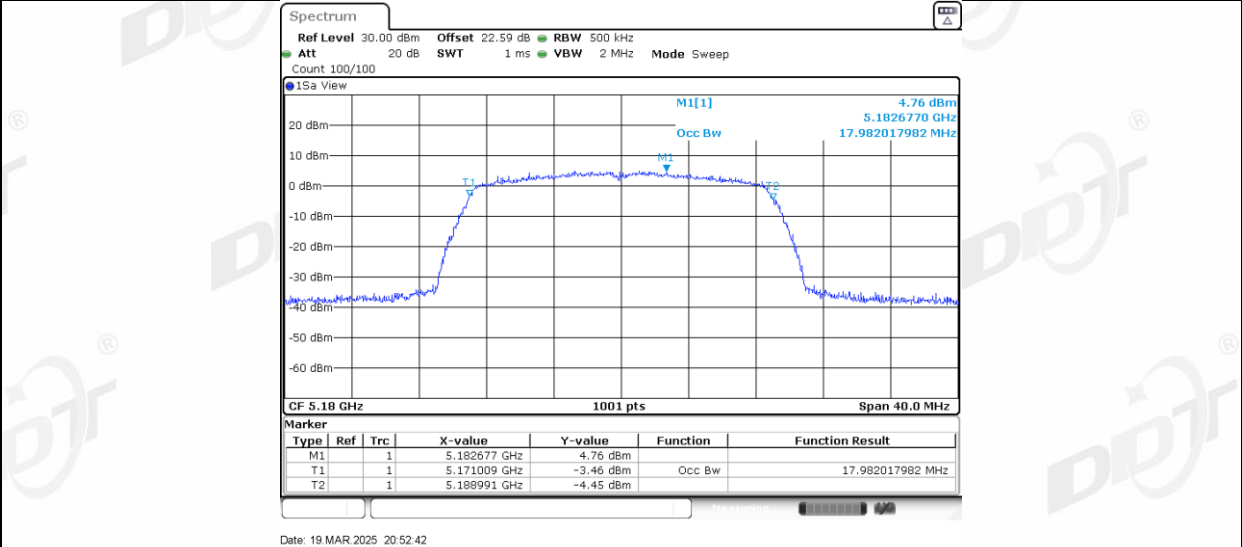
11A_Ant1_5825



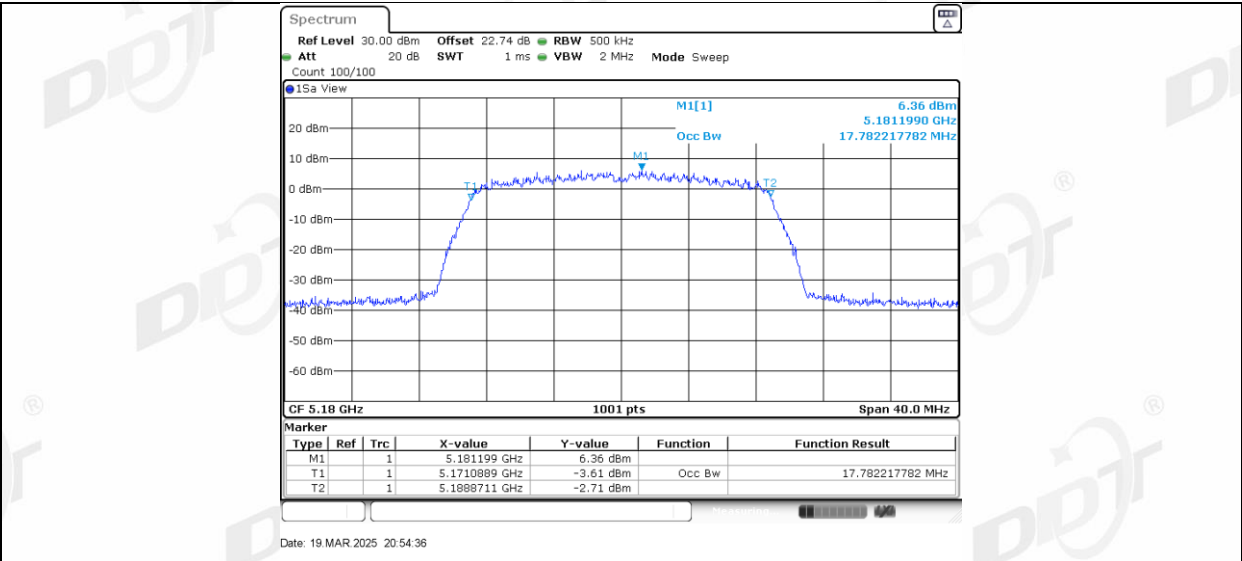
11A_Ant2_5825



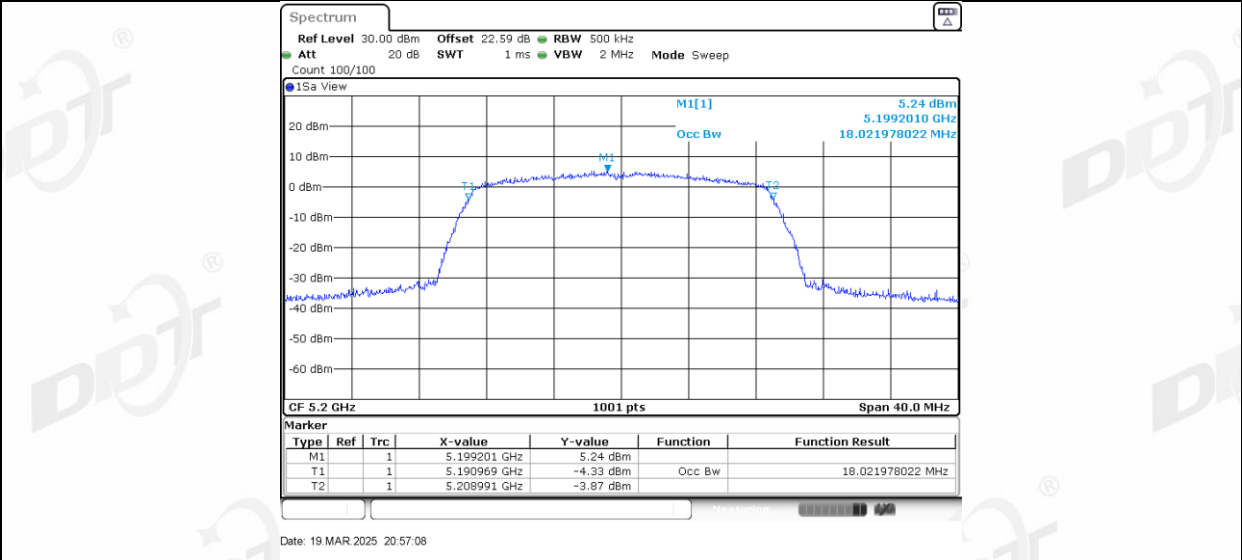
11N20MIMO_Ant1_5180



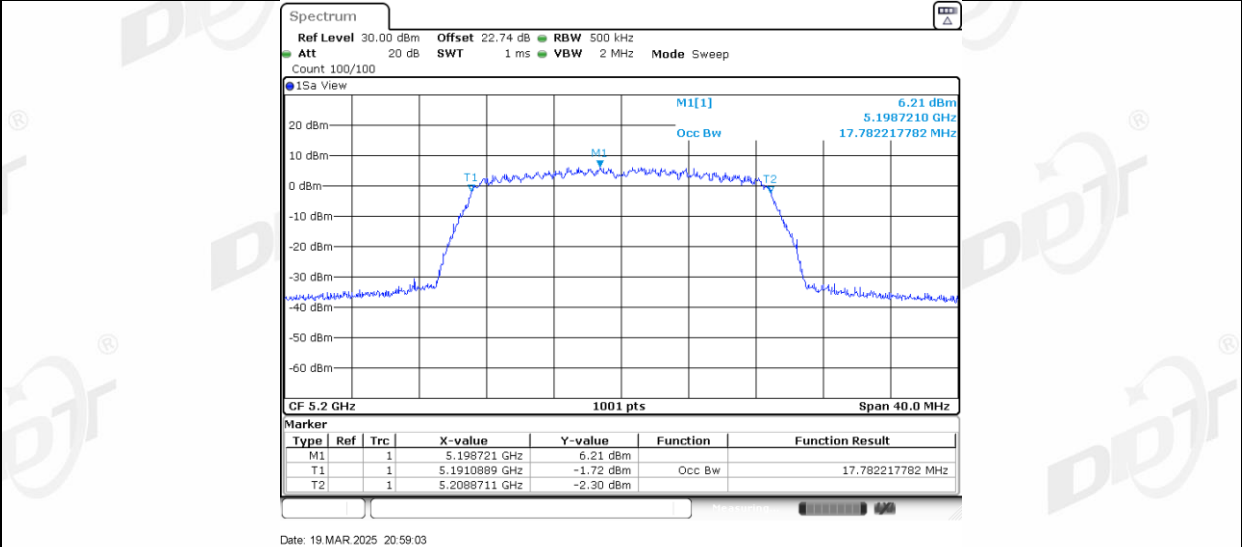
11N20MIMO_Ant2_5180



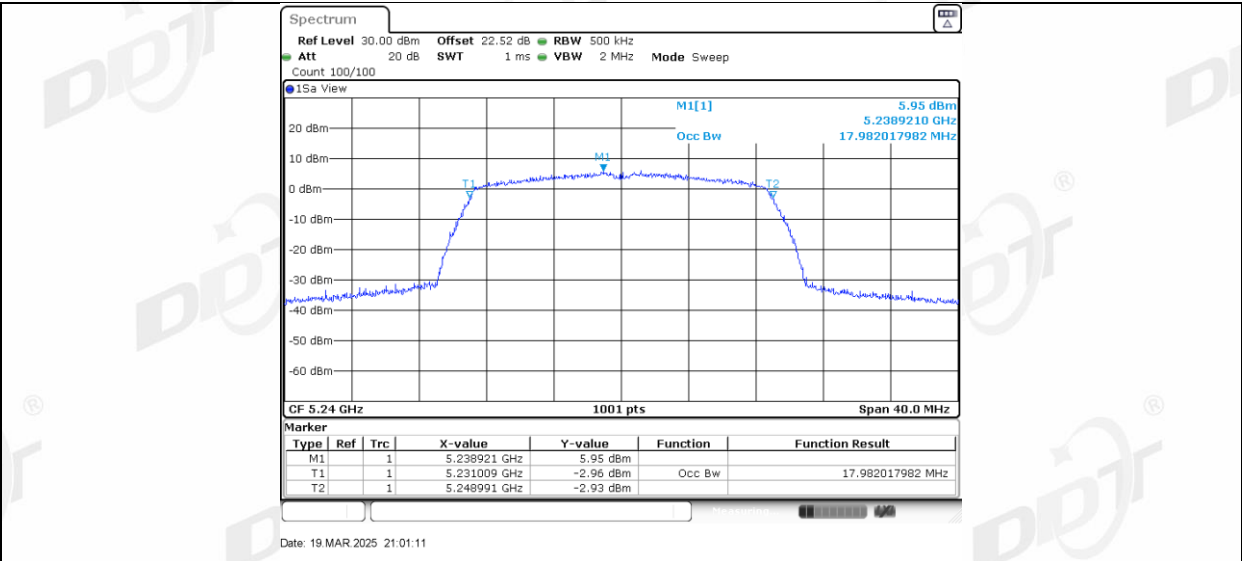
11N20MIMO_Ant1_5200



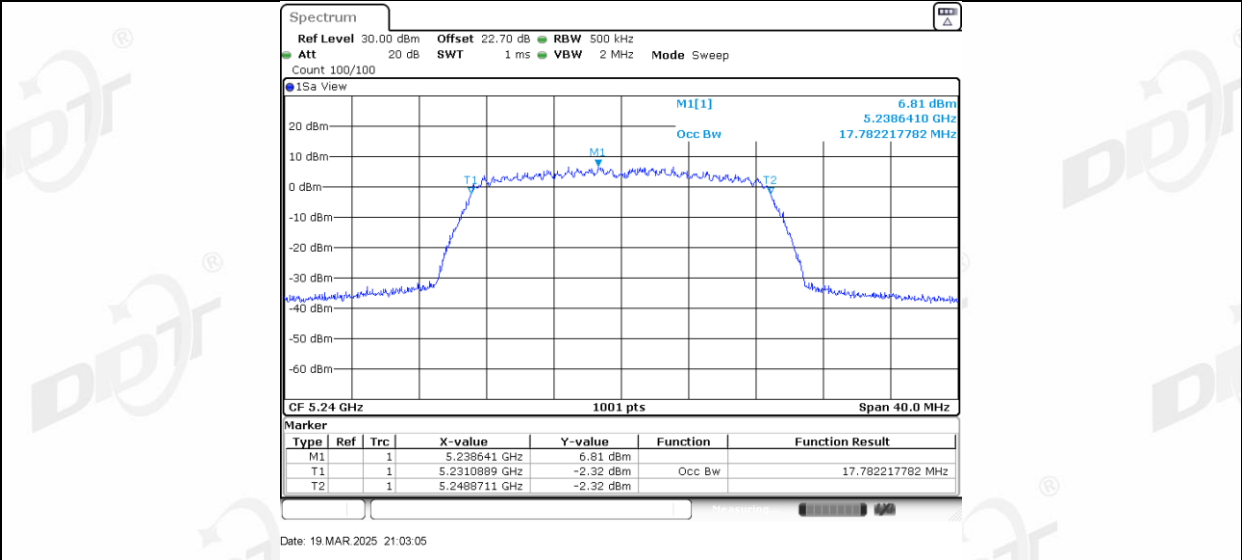
11N20MIMO_Ant2_5200



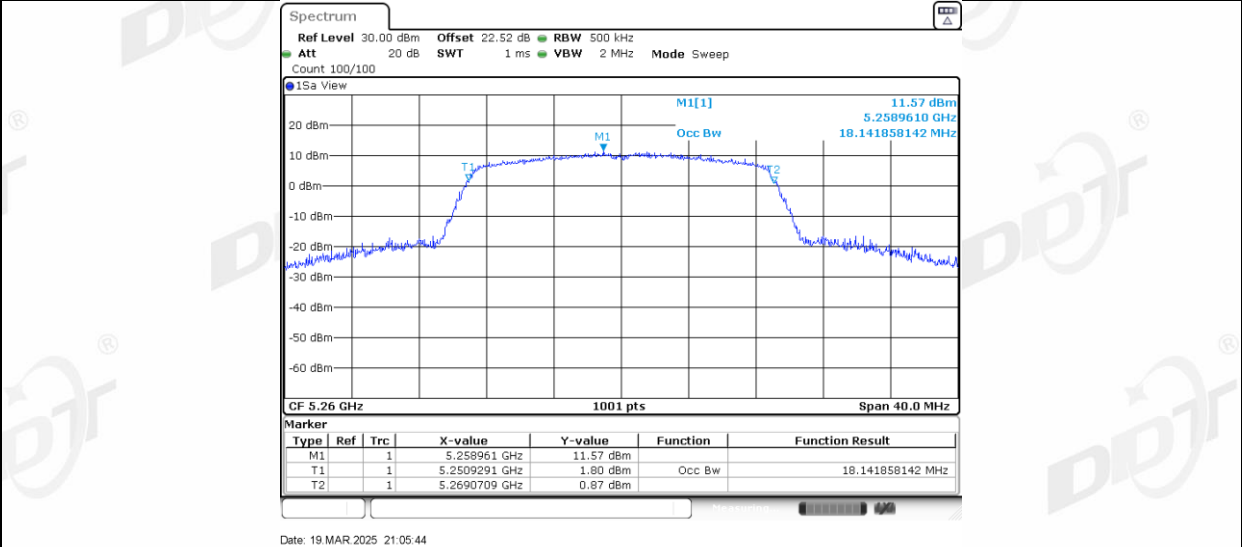
11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240



11N20MIMO_Ant1_5260



11N20MIMO_Ant2_5260