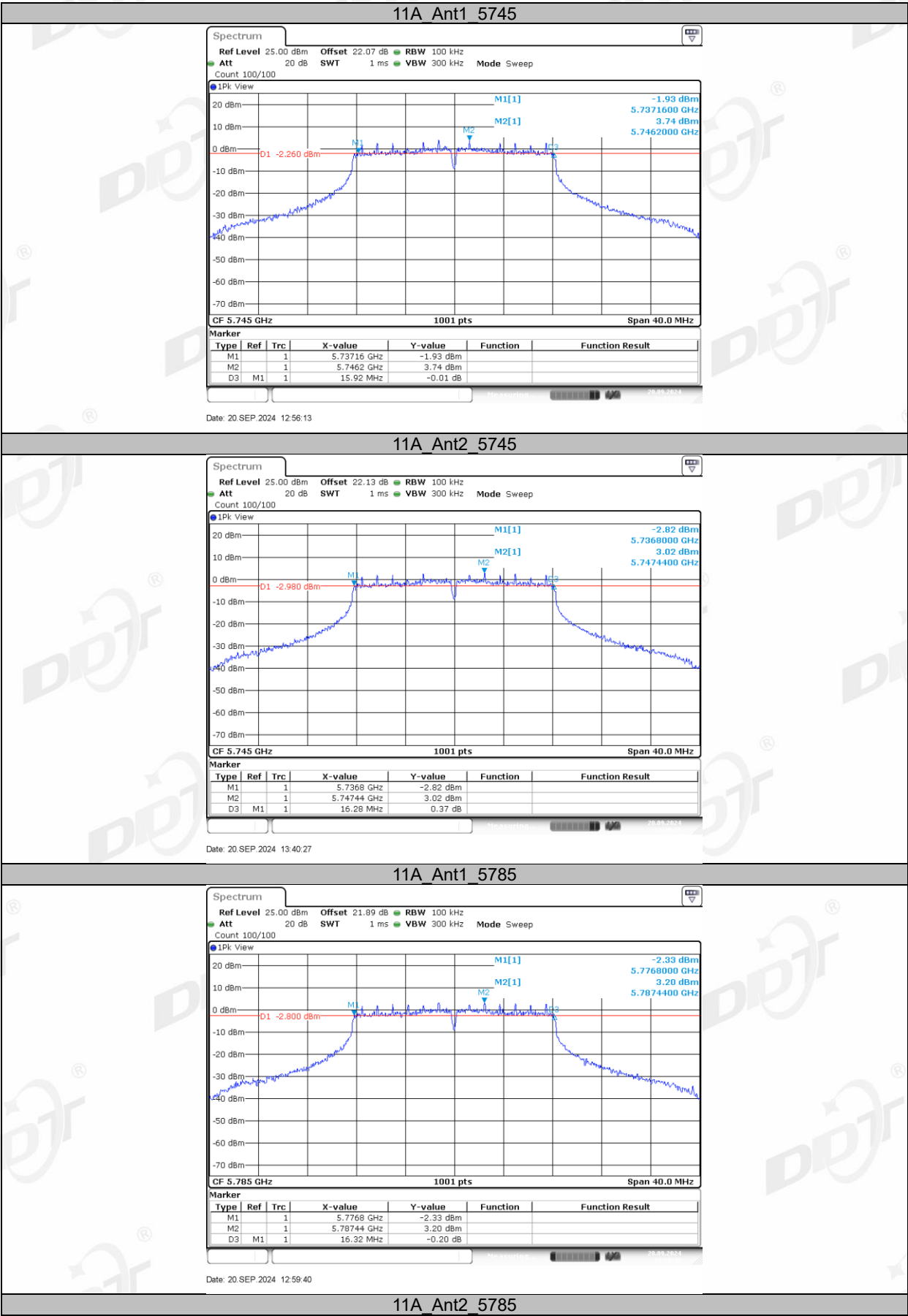
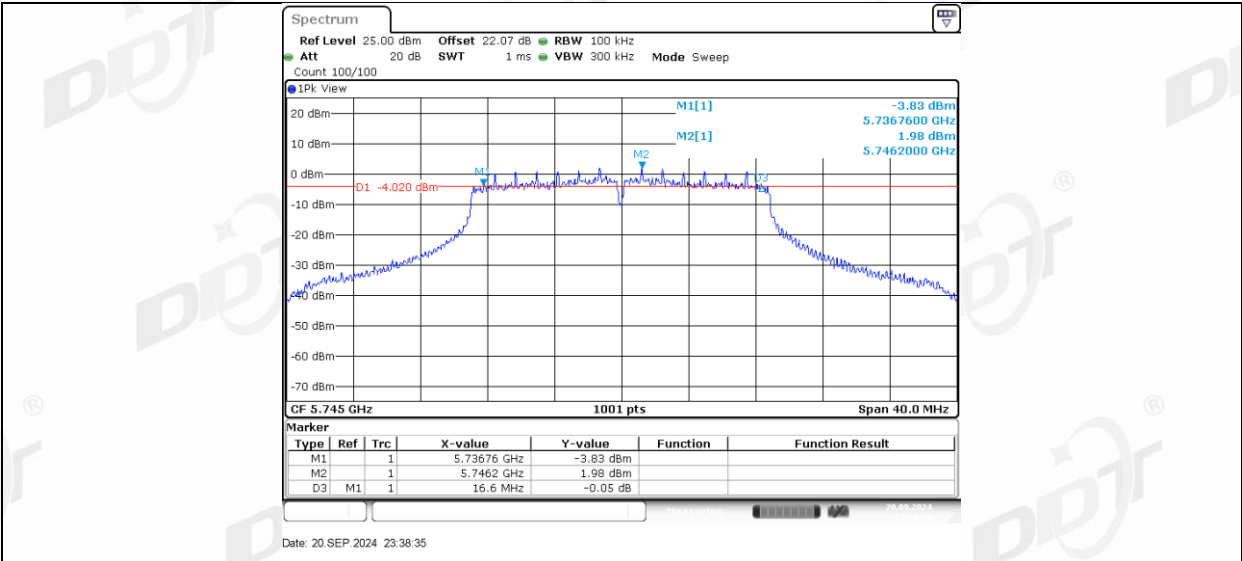


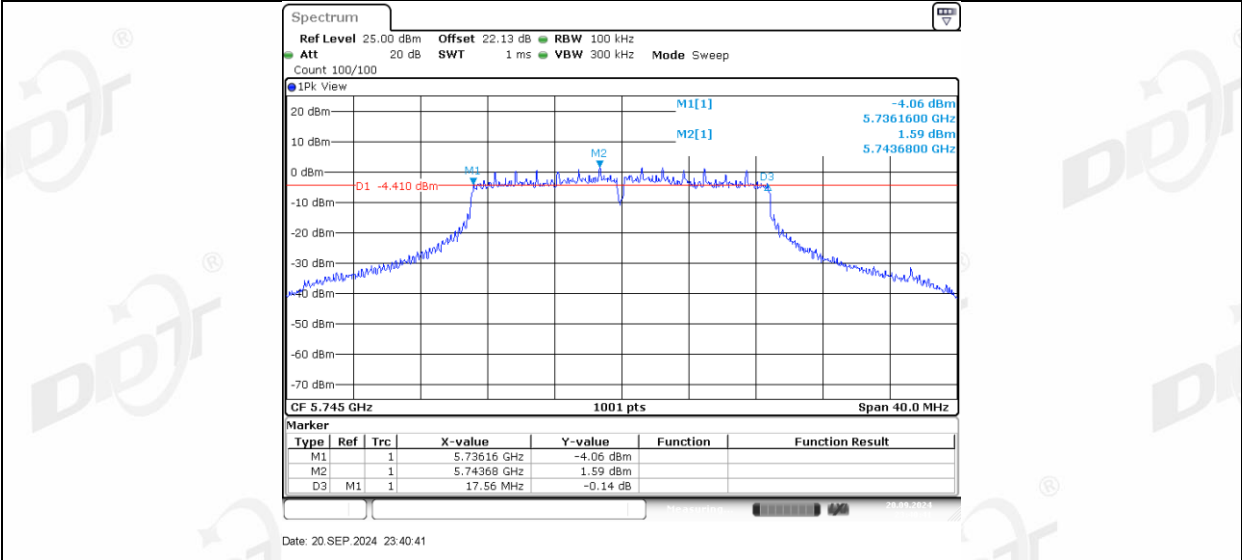
5.5. Test graphs B4



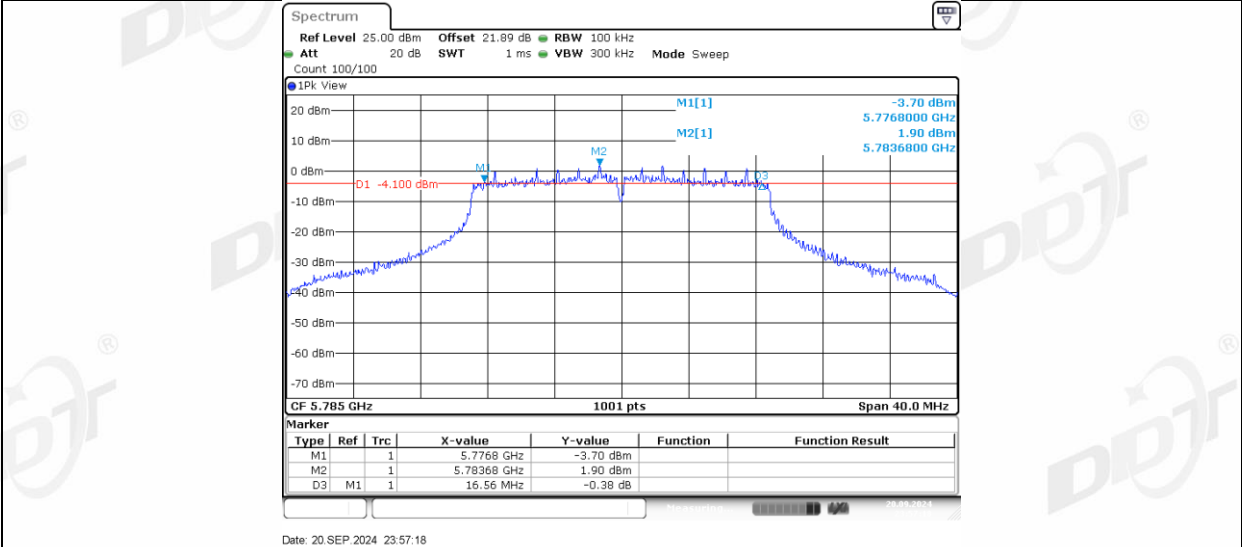




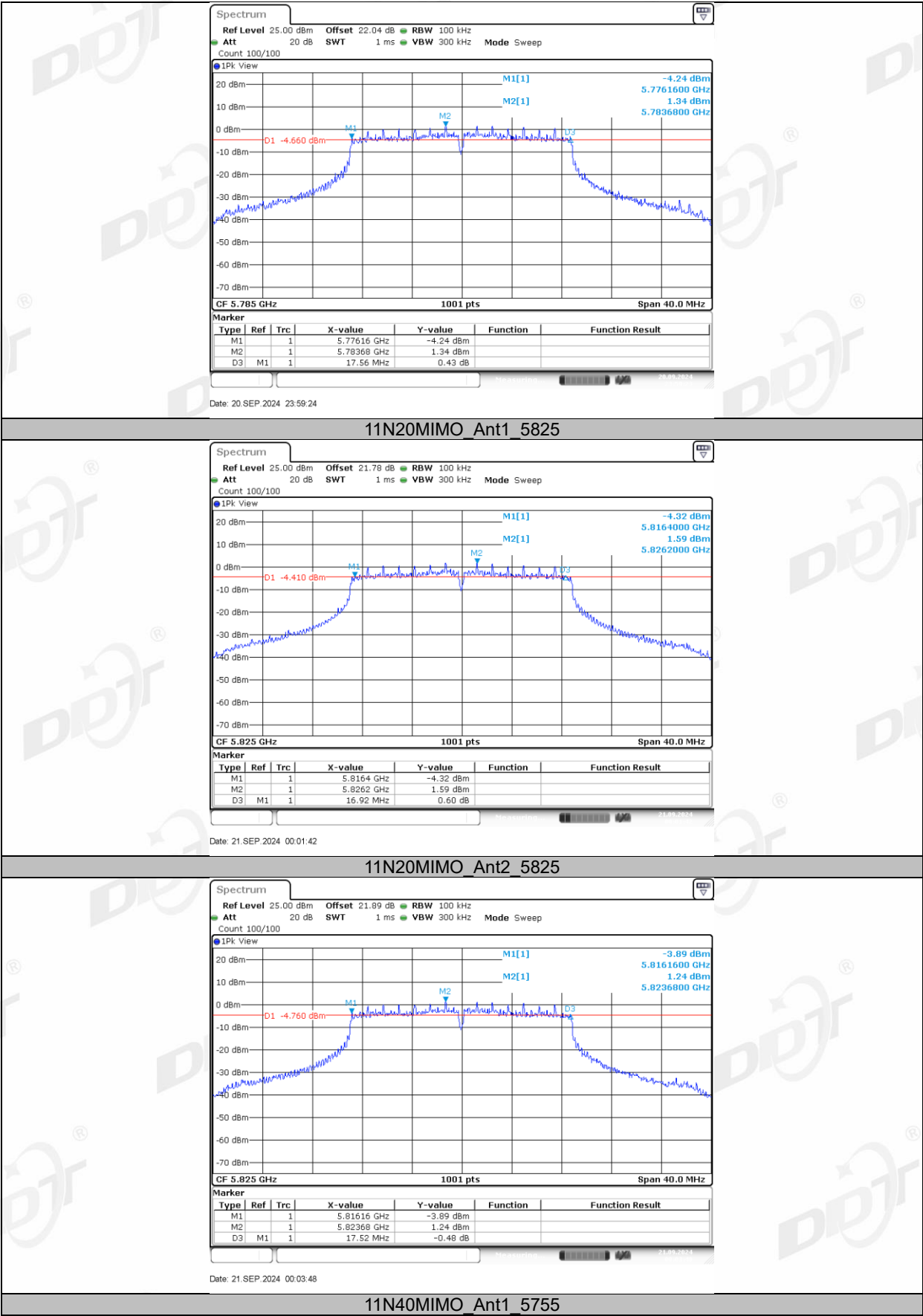
11N20MIMO_Ant2_5745

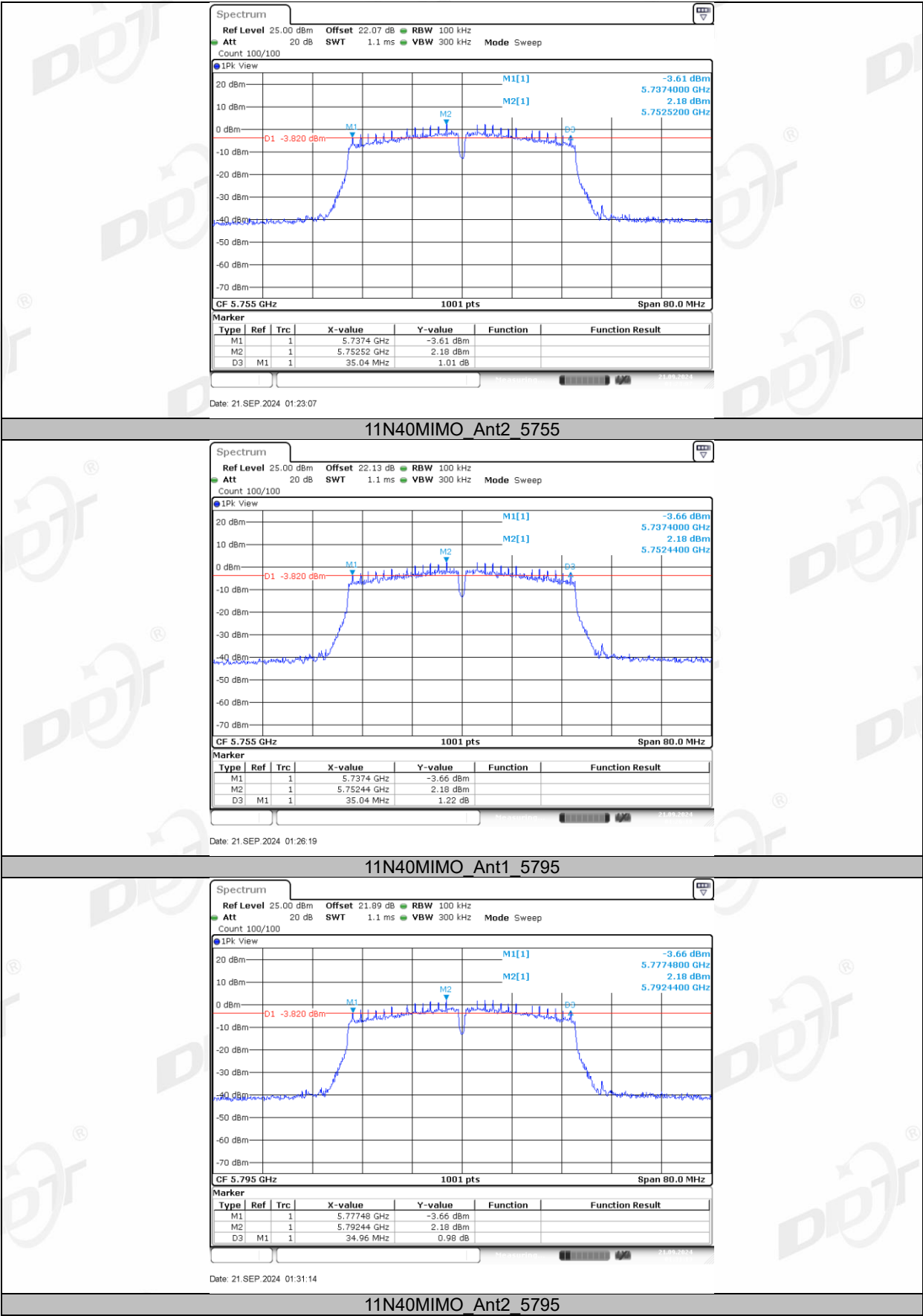


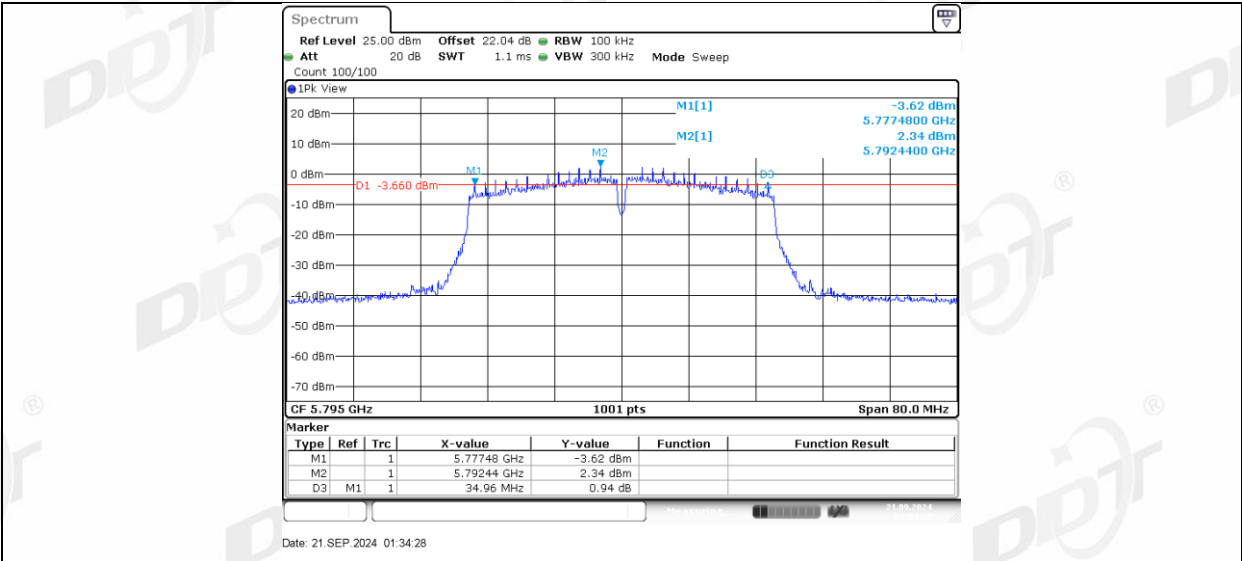
11N20MIMO_Ant1_5785



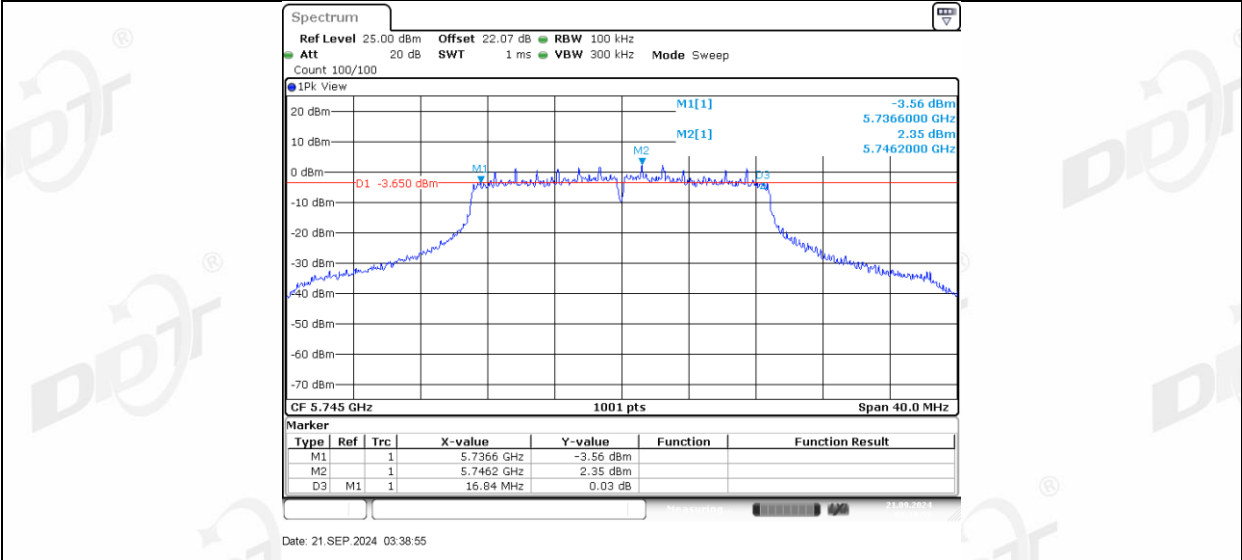
11N20MIMO_Ant2_5785



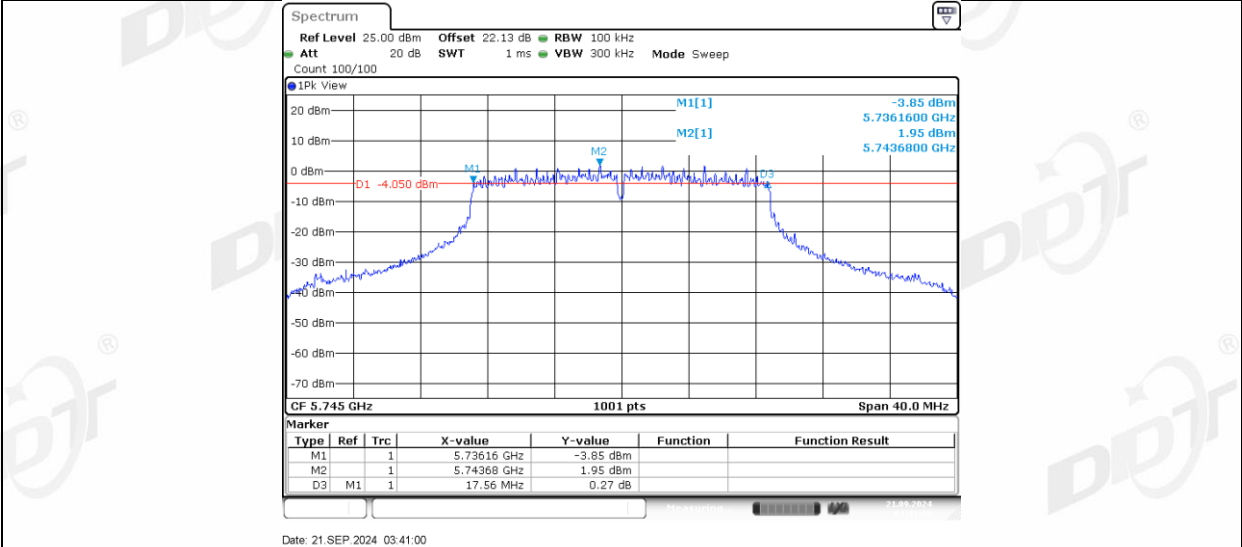




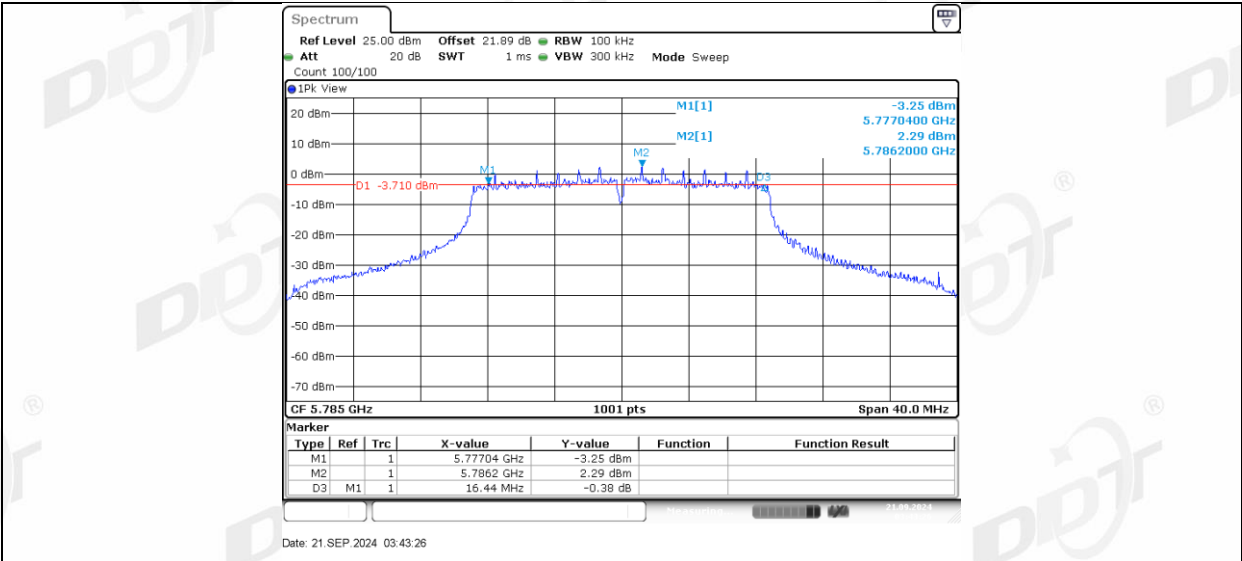
11AC20MIMO_Ant1_5745



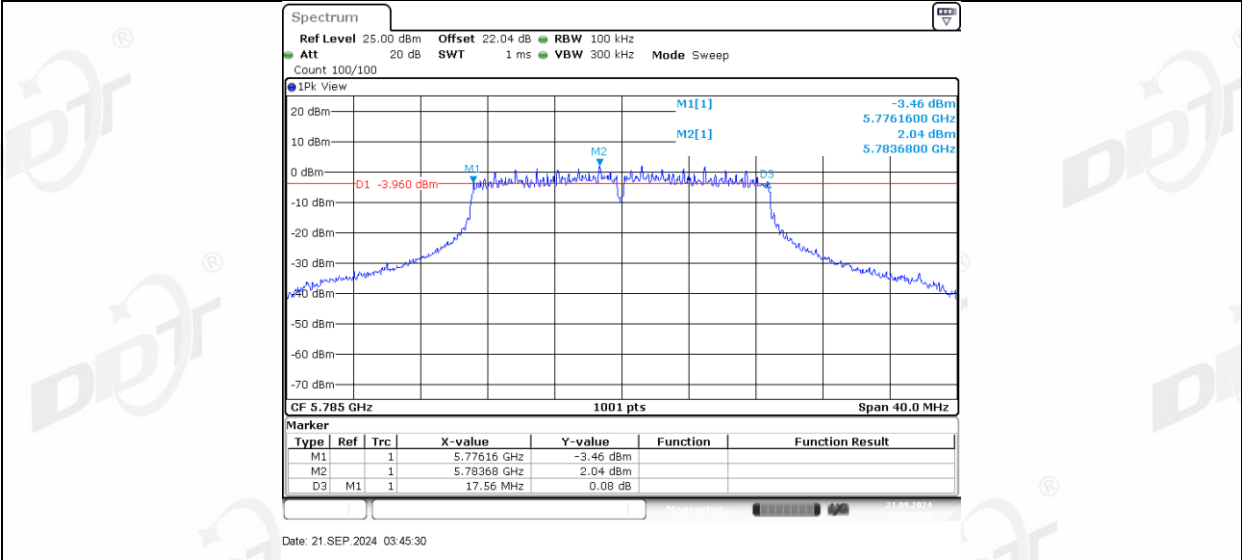
11AC20MIMO_Ant2_5745



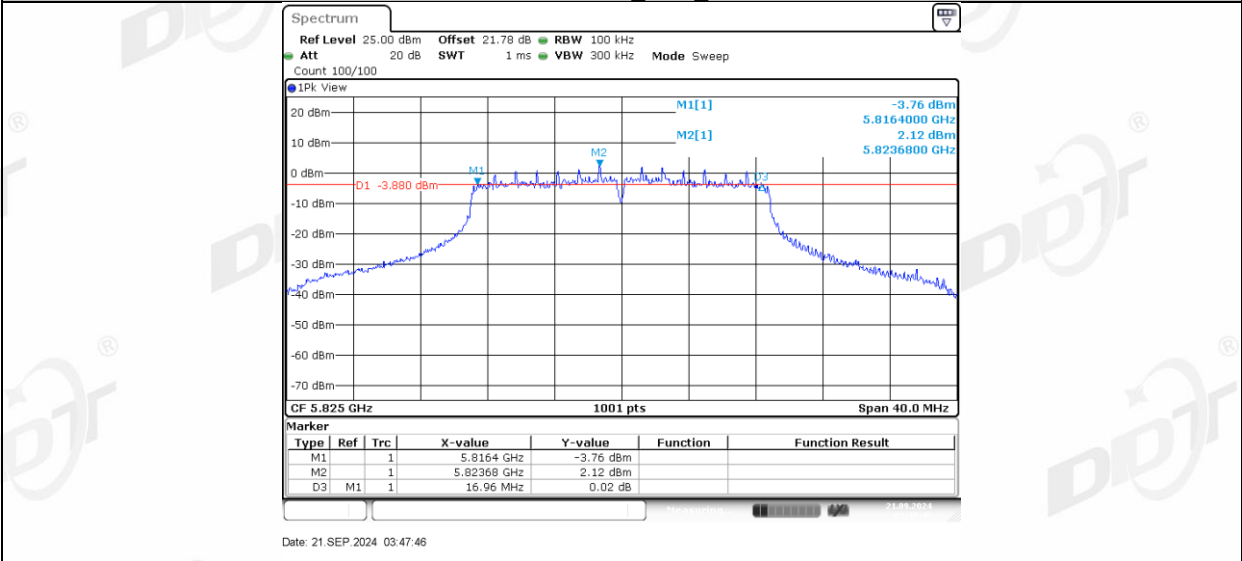
11AC20MIMO_Ant1_5785



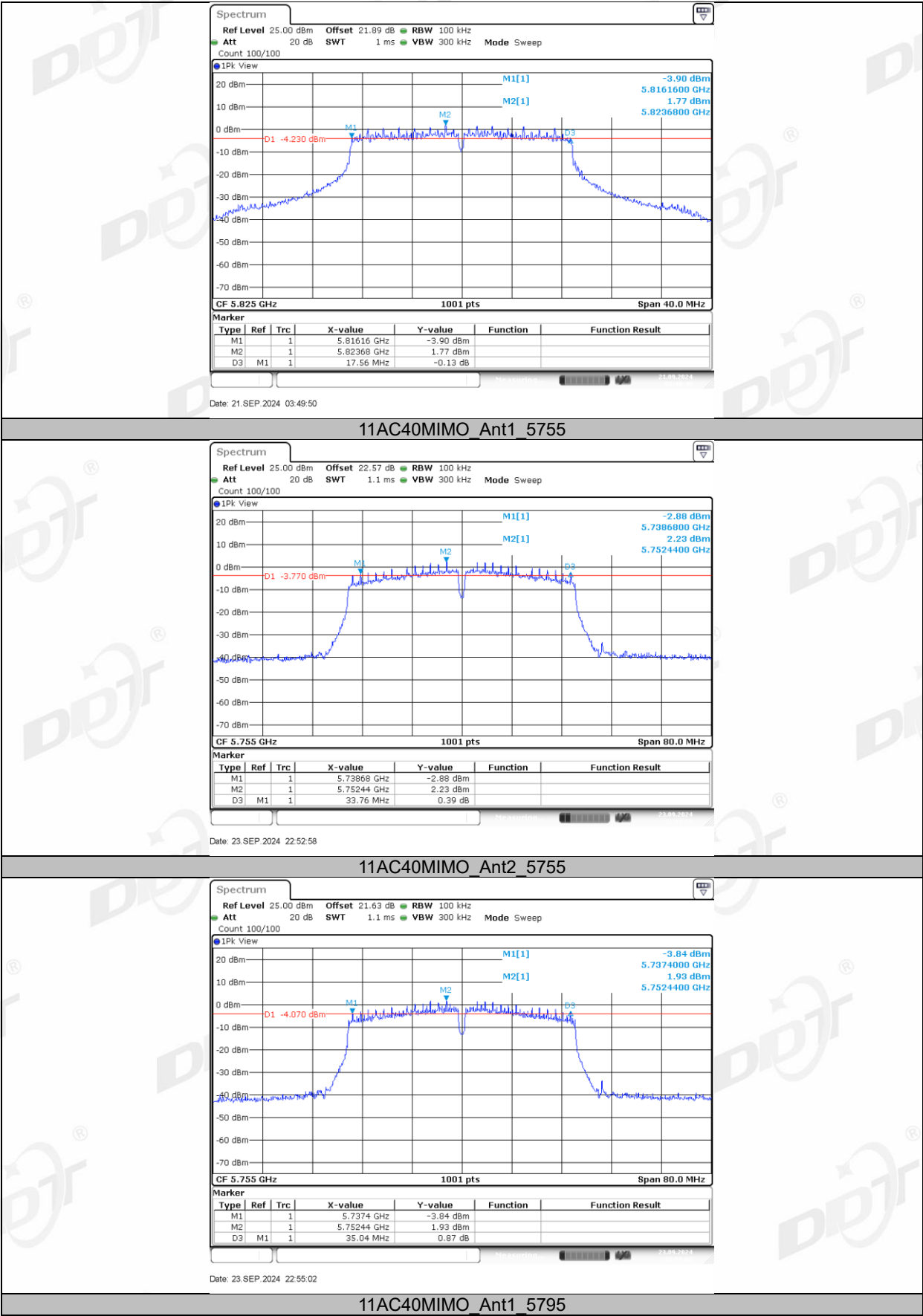
11AC20MIMO_Ant2_5785

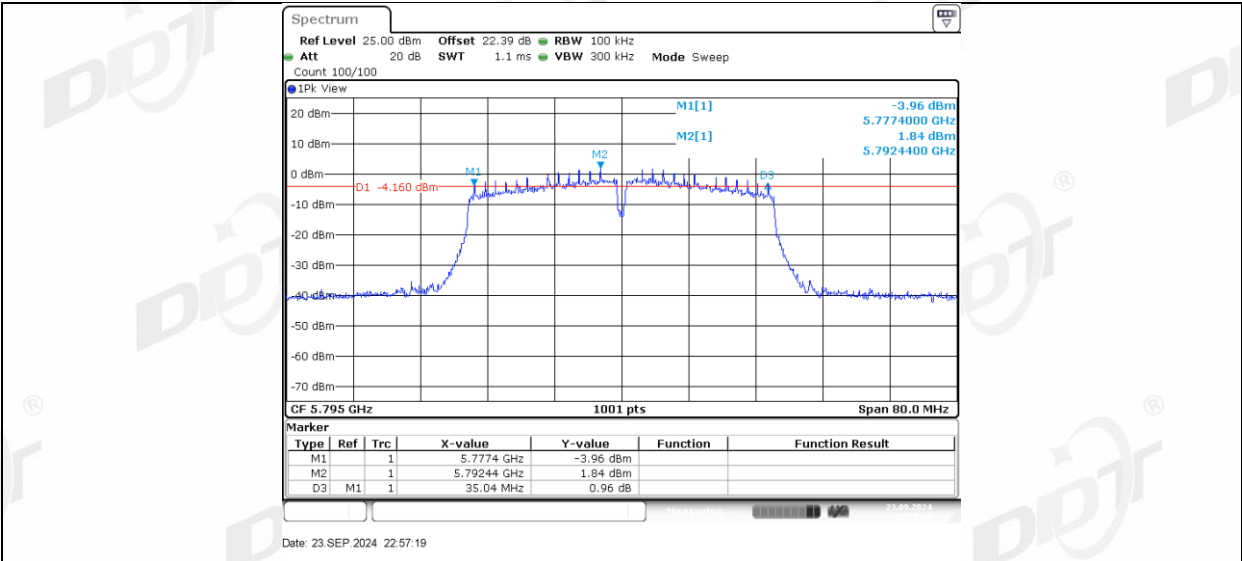


11AC20MIMO_Ant1_5825

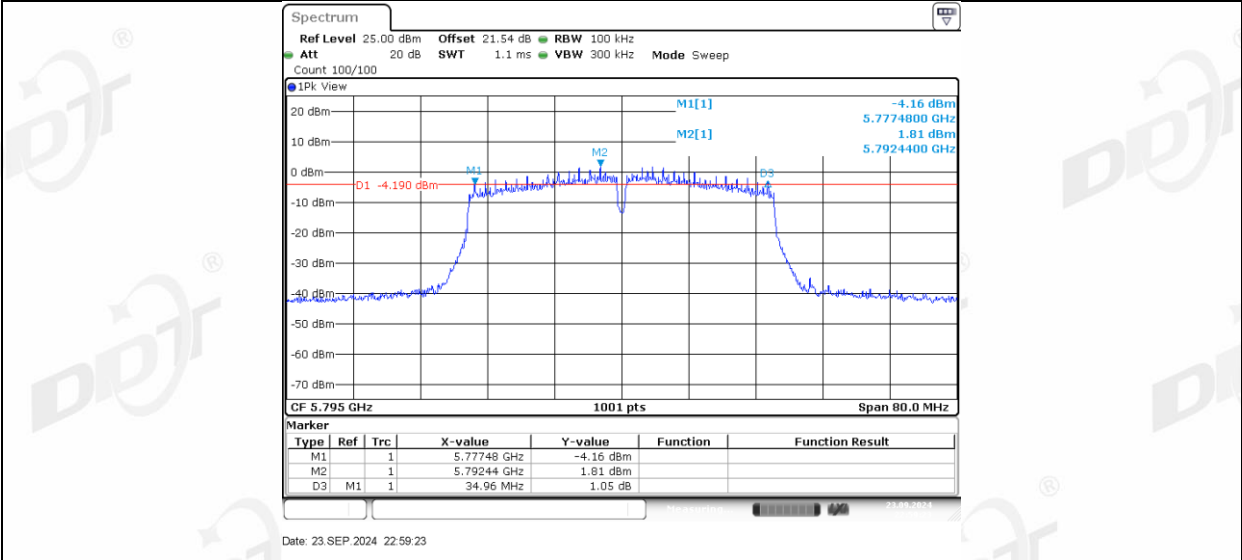


11AC20MIMO_Ant2_5825

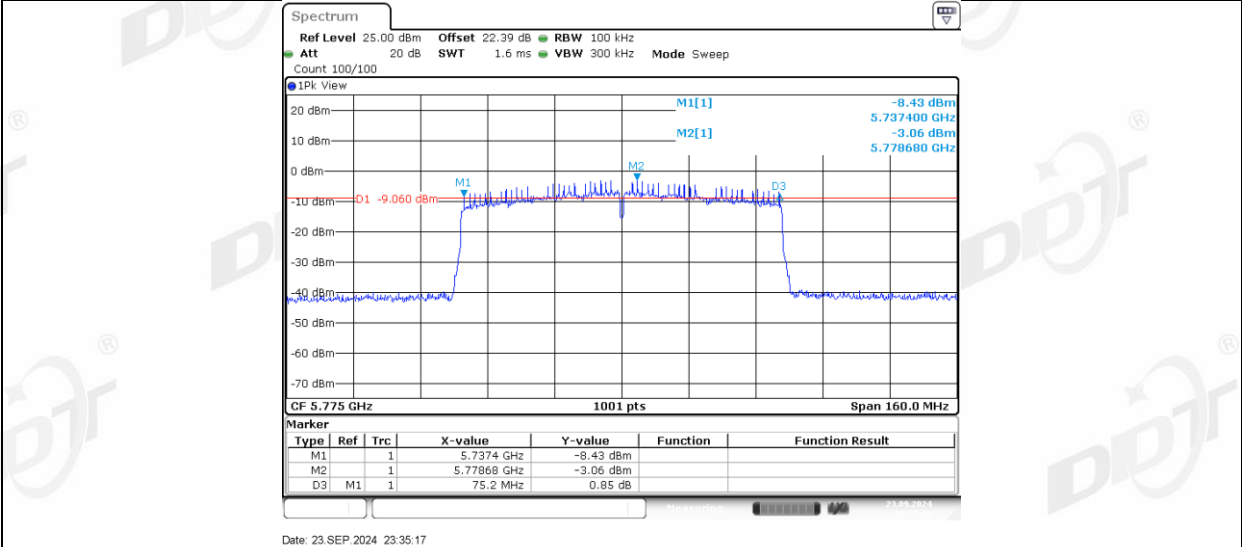




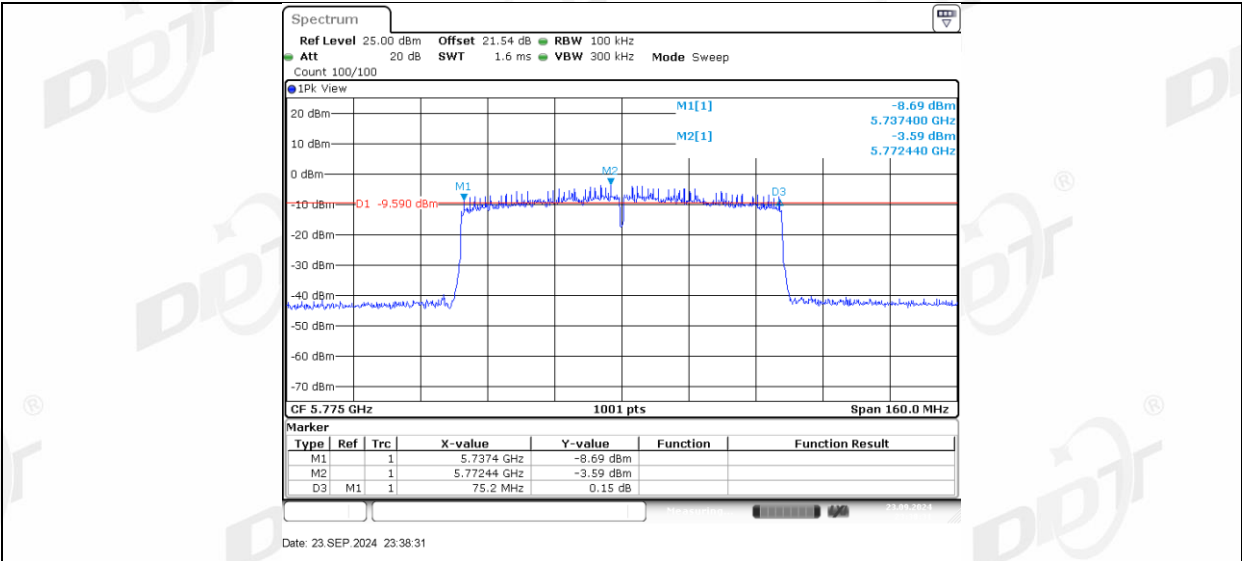
11AC40MIMO_Ant2_5795



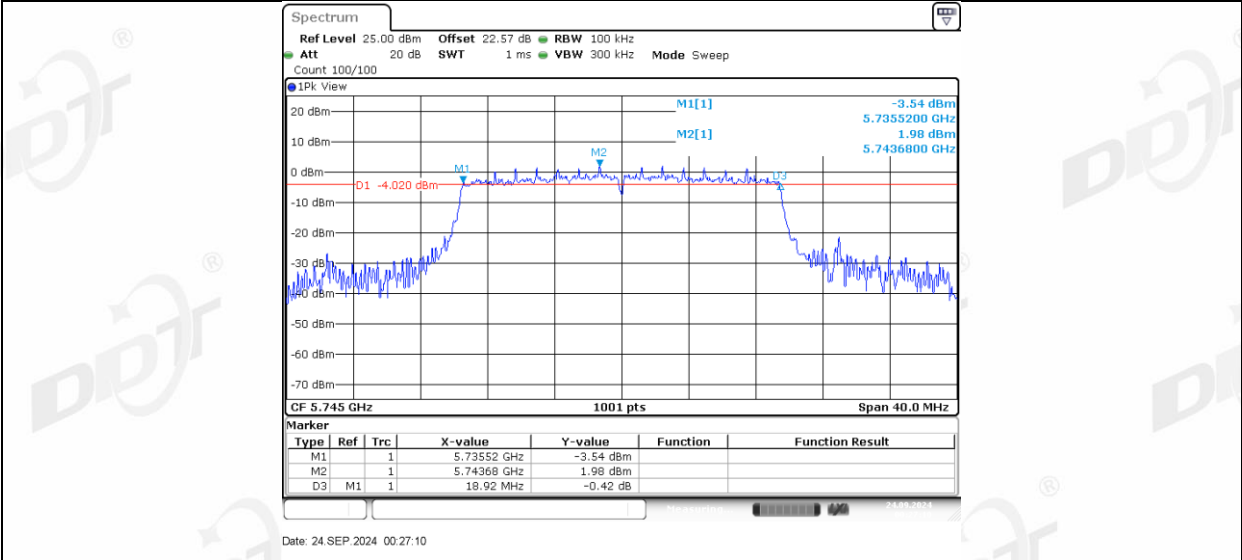
11AC80MIMO_Ant1_5775



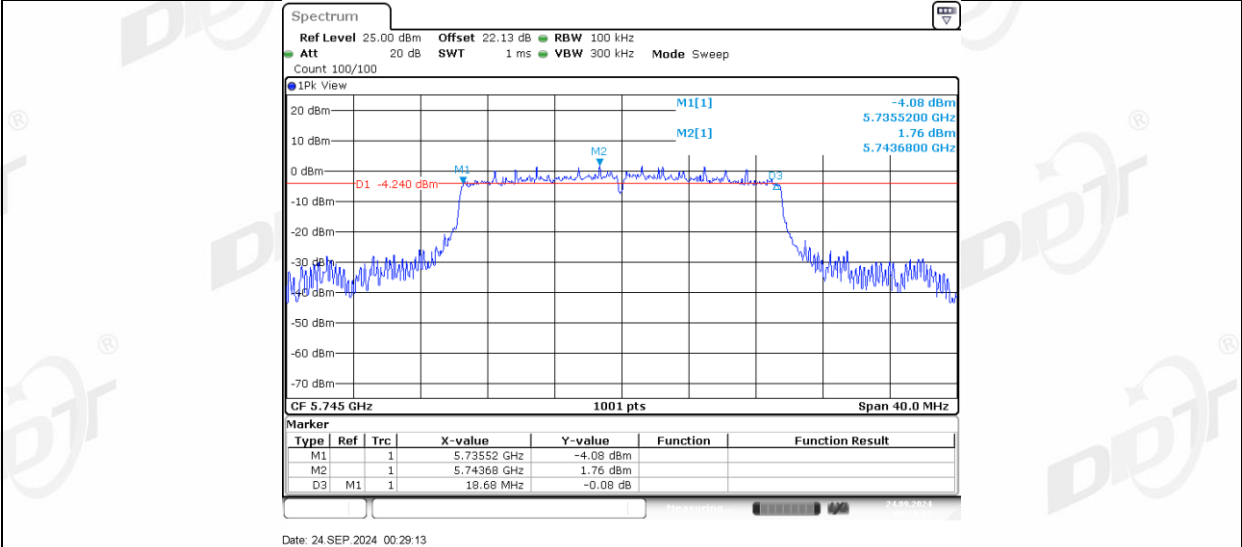
11AC80MIMO_Ant2_5775



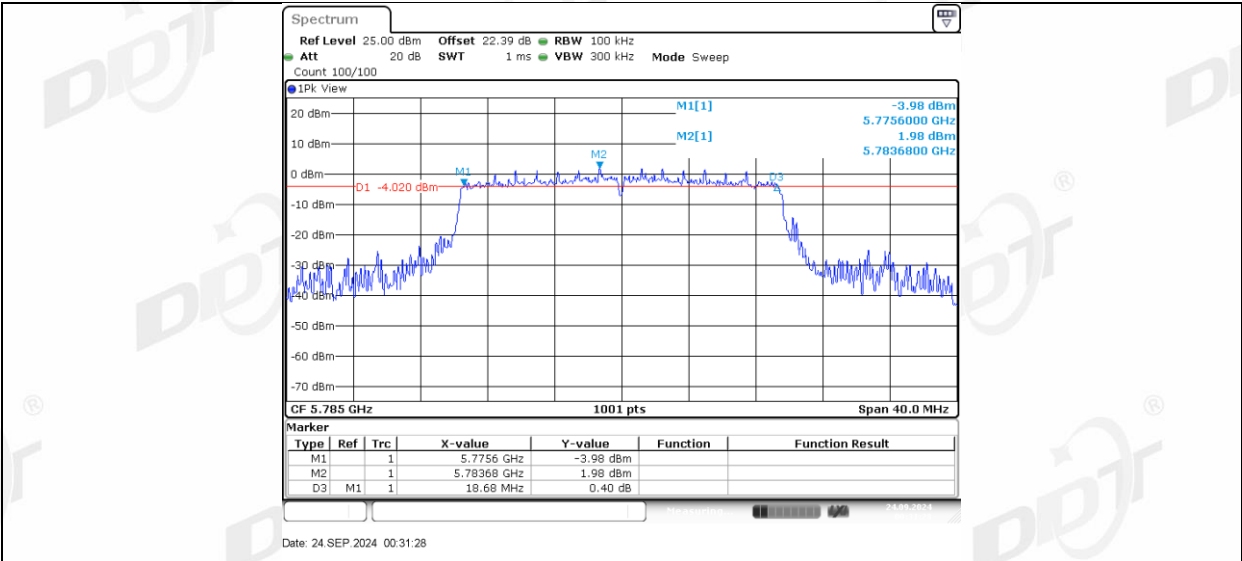
11AX20MIMO_Ant1_5745



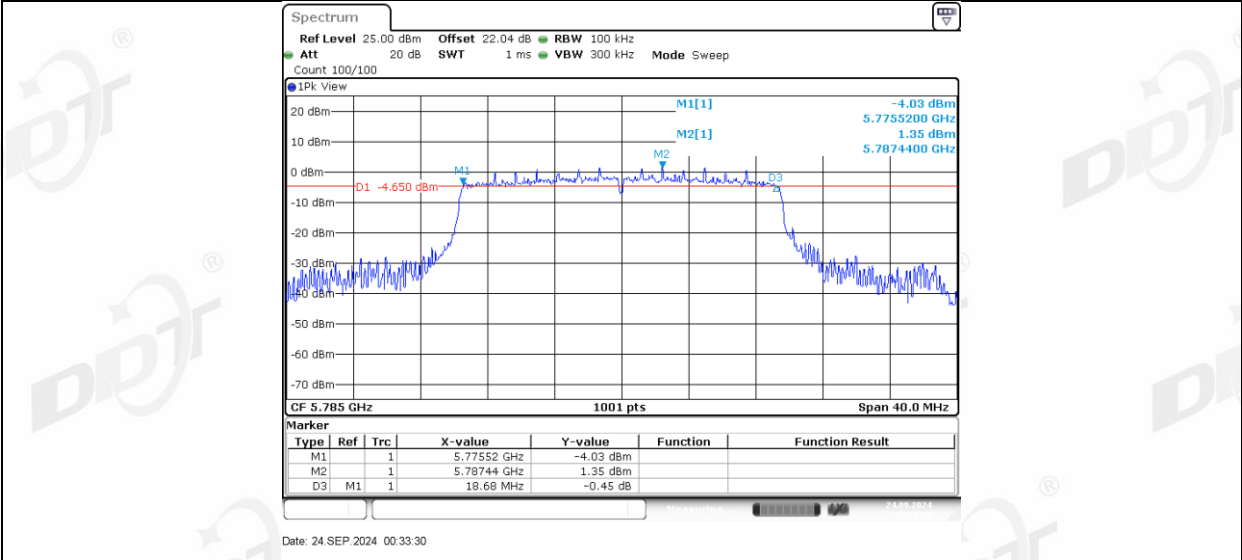
11AX20MIMO_Ant2_5745



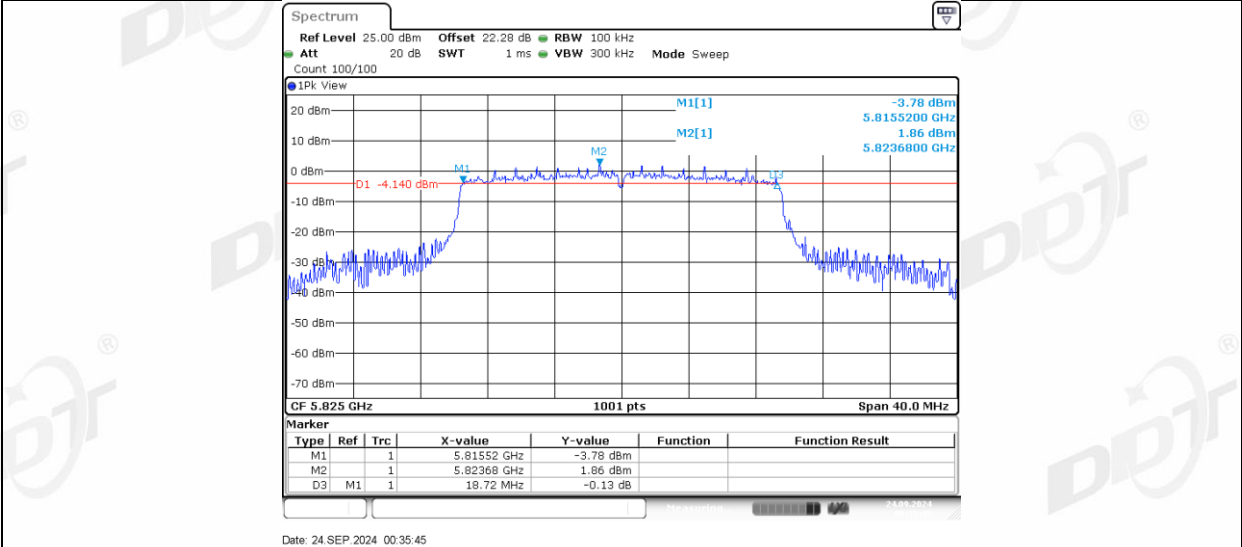
11AX20MIMO_Ant1_5785



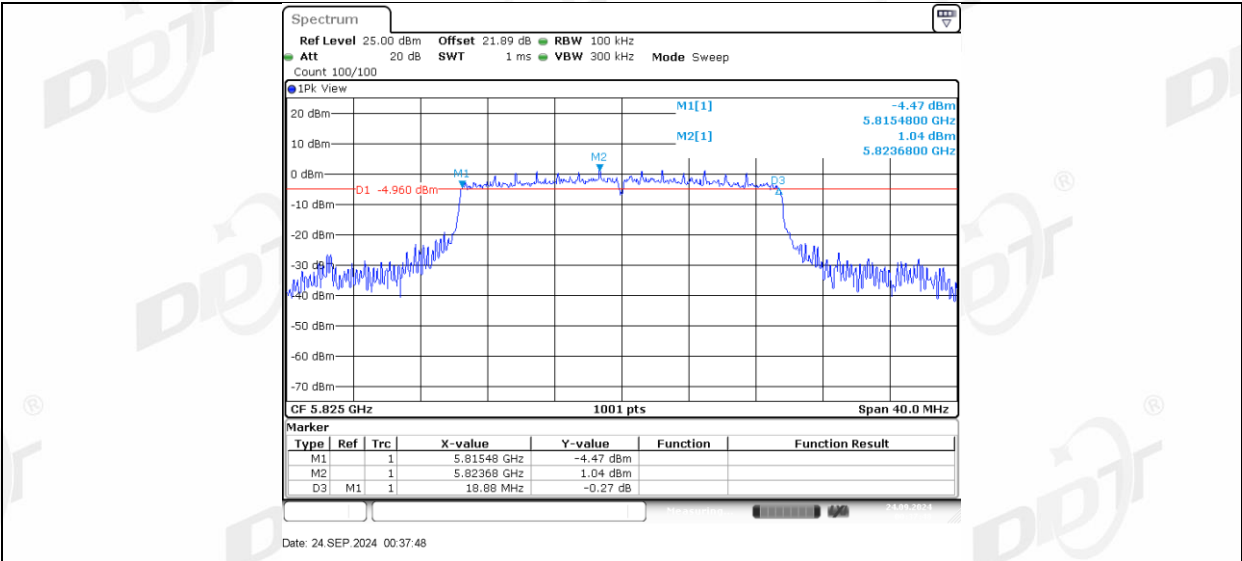
11AX20MIMO_Ant2_5785



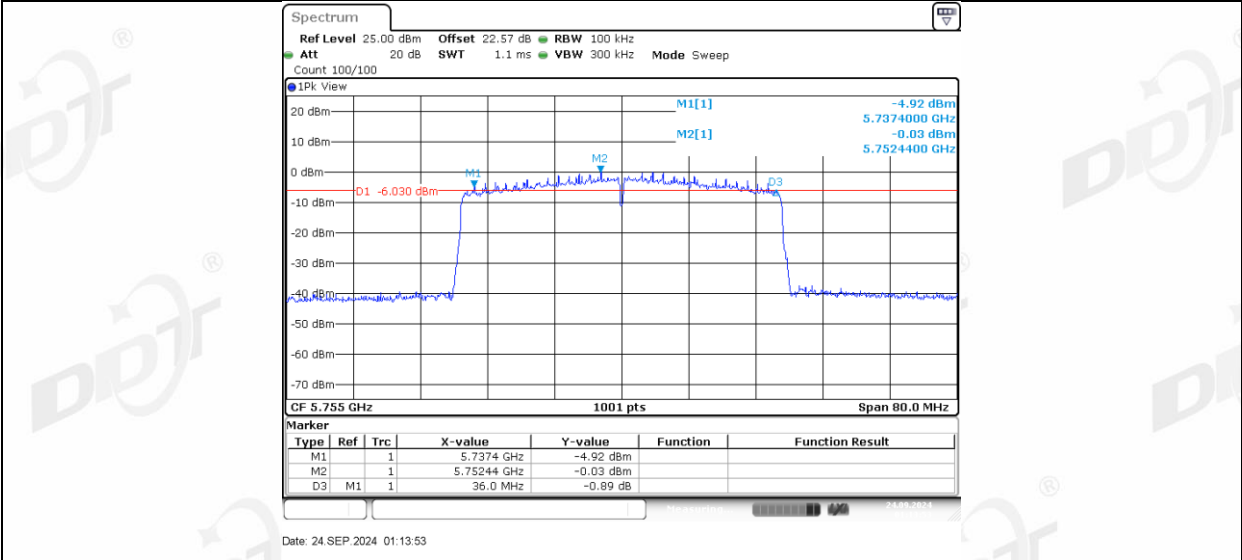
11AX20MIMO_Ant1_5825



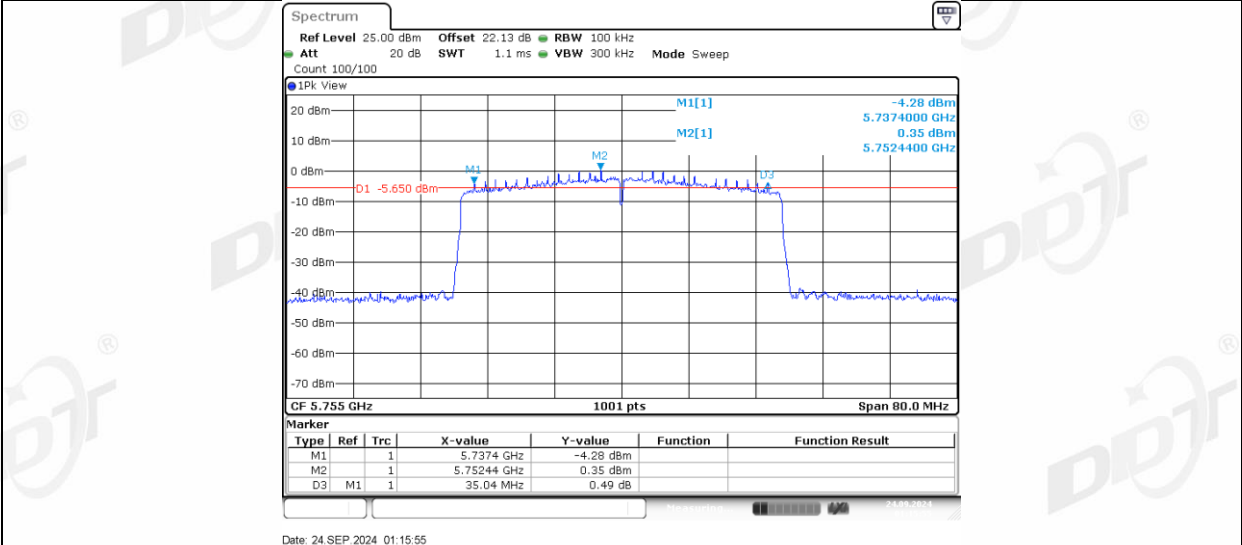
11AX20MIMO_Ant2_5825



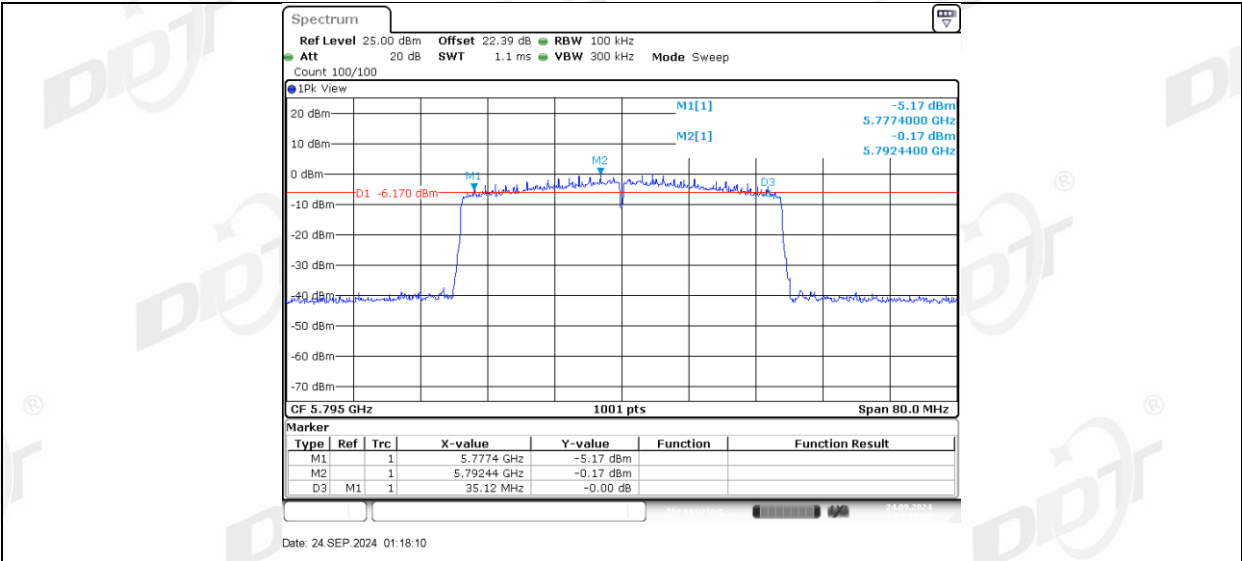
11AX40MIMO_Ant1_5755



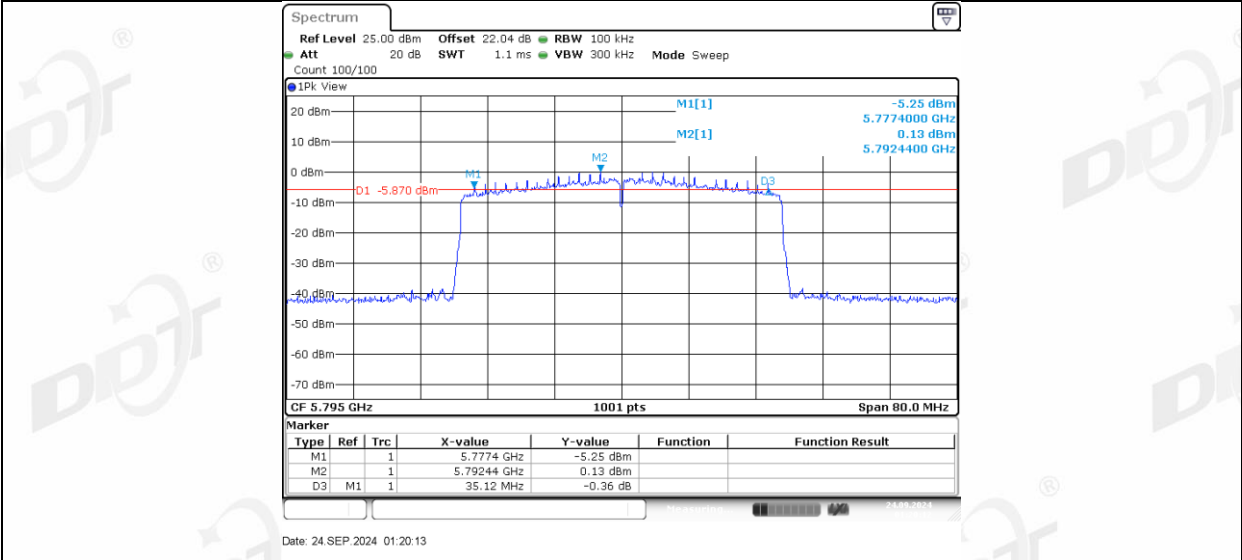
11AX40MIMO_Ant2_5755



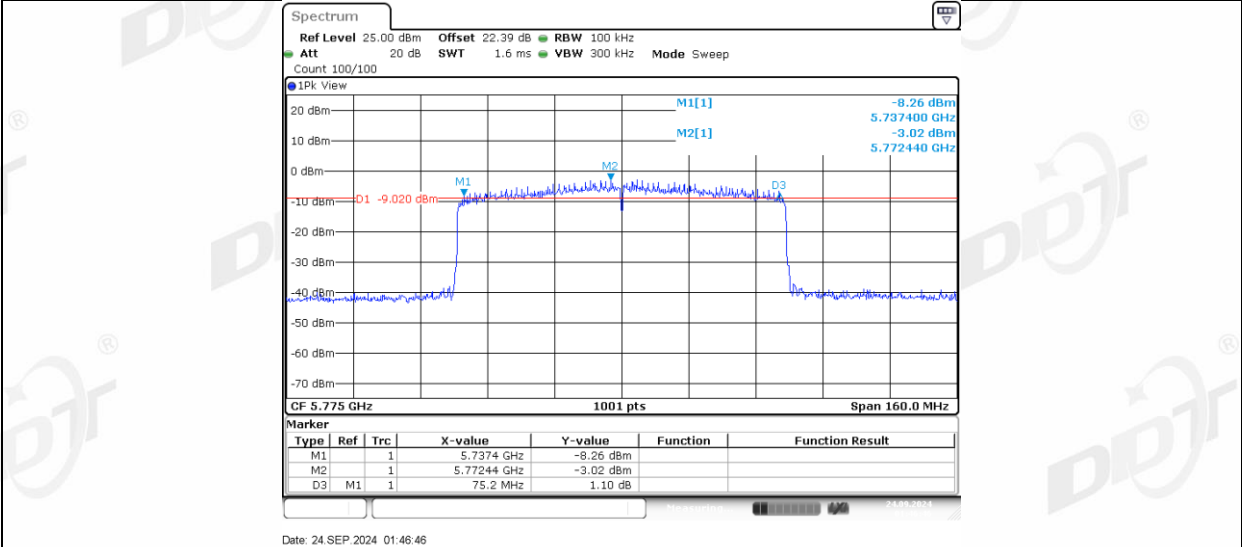
11AX40MIMO_Ant1_5795



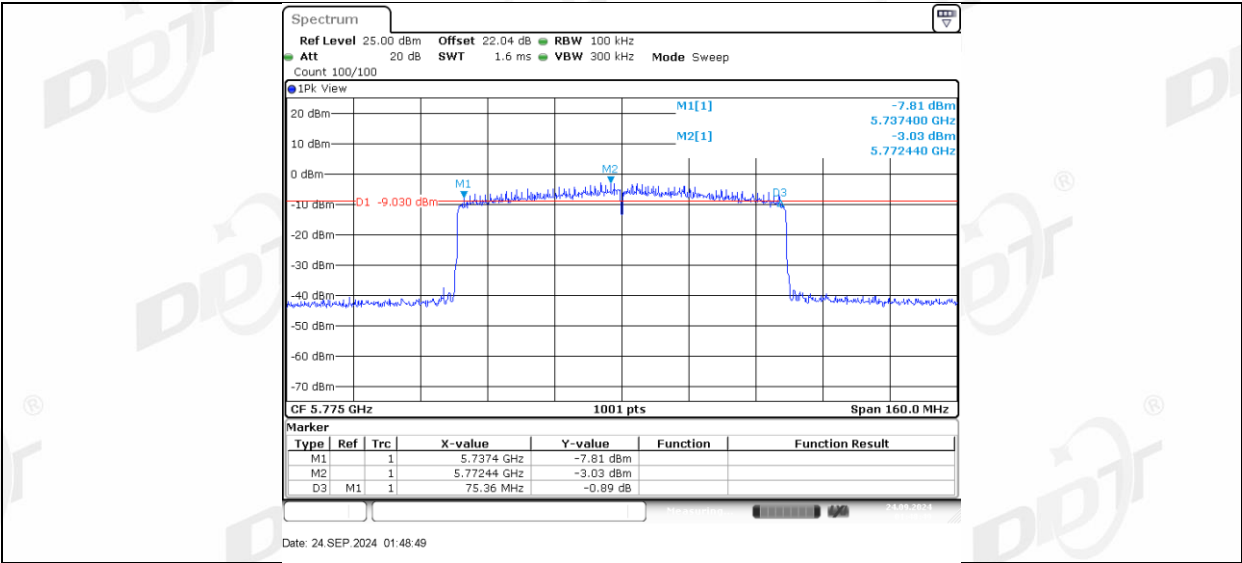
11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5775

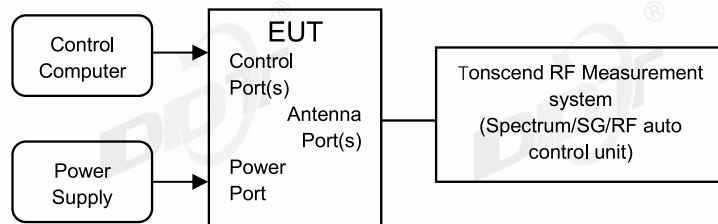


11AX80MIMO_Ant2_5775



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:	Haofeng	Test Site:	RF Measurement System 3#
Ambient Condition:	26.9℃,45.7%RH	Test Date:	2024.09.20-2024.09.24
Test Power Supply:	AC 120V/60Hz	Sample Number:	S24081428-001

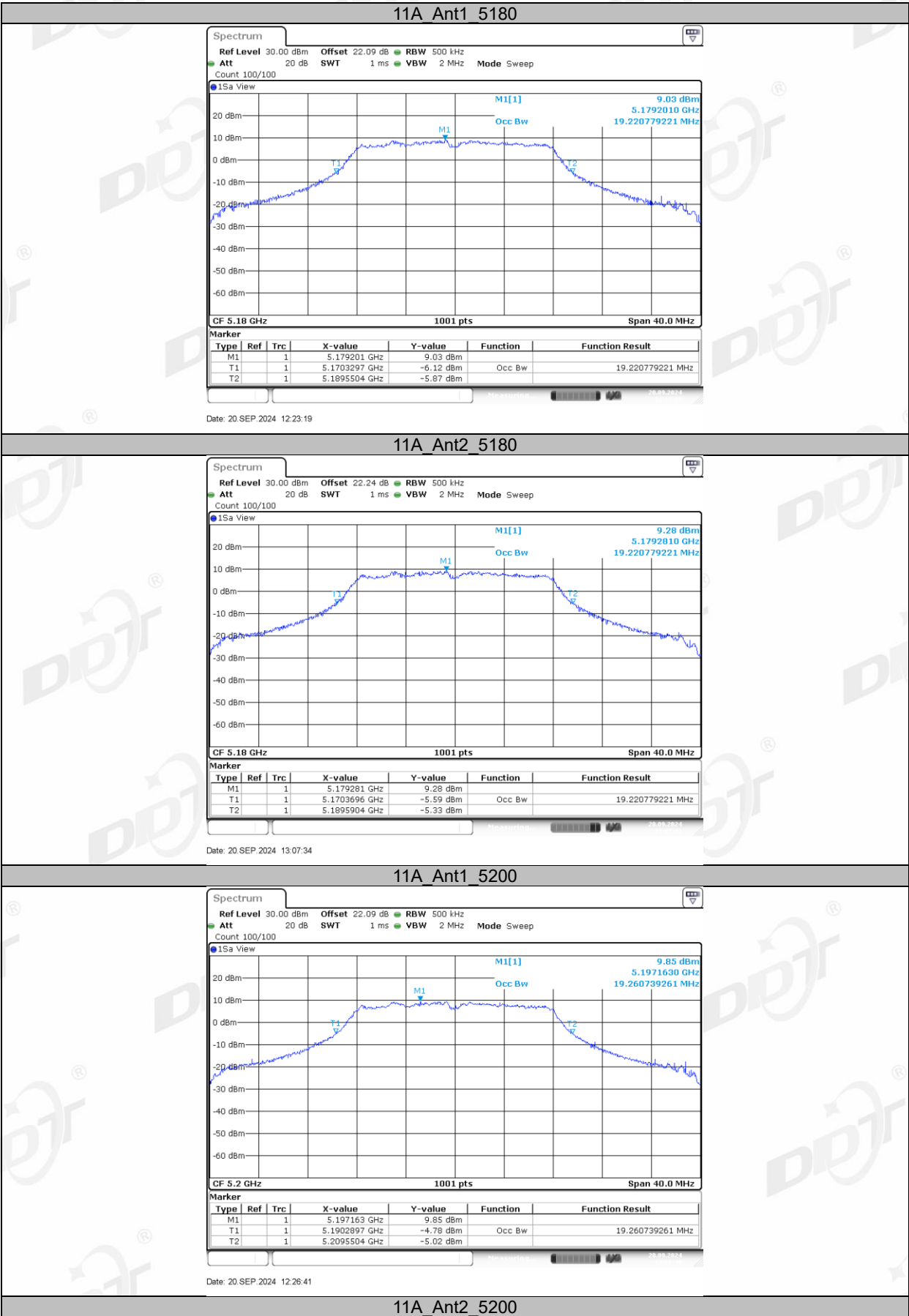
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.221	5170.3297	5189.5504	---	---
	Ant2	5180	19.221	5170.3696	5189.5904	---	---
	Ant1	5200	19.261	5190.2897	5209.5504	---	---
	Ant2	5200	19.341	5190.1698	5209.5105	---	---
	Ant1	5240	17.183	5231.3287	5248.5115	---	---
	Ant2	5240	17.183	5231.3287	5248.5115	---	---
	Ant1	5260	19.261	5250.2498	5269.5105	---	---
	Ant2	5260	19.301	5250.2098	5269.5105	---	---
	Ant1	5280	19.261	5270.2498	5289.5105	---	---
	Ant2	5280	19.261	5270.2498	5289.5105	---	---
	Ant1	5320	19.301	5310.2098	5329.5105	---	---
	Ant2	5320	19.221	5310.3297	5329.5504	---	---
	Ant1	5500	19.341	5490.2897	5509.6304	---	---
	Ant2	5500	19.301	5490.2897	5509.5904	---	---
	Ant1	5580	19.261	5570.2498	5589.5105	---	---
	Ant2	5580	19.221	5570.2098	5589.4306	---	---
	Ant1	5700	19.301	5690.2897	5709.5904	---	---
	Ant2	5700	19.301	5690.2897	5709.5904	---	---
	Ant1	5720	19.261	5710.2498	5729.5105	---	---
	Ant2	5720	19.301	5710.2897	5729.5904	---	---
	Ant1	5720 UNII-2C	14.75	5710.2498	5725	---	---
	Ant2	5720 UNII-2C	14.71	5710.2897	5725	---	---
	Ant1	5720 UNII-3	4.511	5725	5729.5105	---	---
	Ant2	5720 UNII-3	4.59	5725	5729.5904	---	---
	Ant1	5745	19.221	5735.3696	5754.5904	---	---
	Ant2	5745	19.181	5735.4096	5754.5904	---	---
	Ant1	5785	19.301	5775.3297	5794.6304	---	---
	Ant2	5785	19.341	5775.2498	5794.5904	---	---
	Ant1	5825	19.301	5815.1698	5834.4705	---	---
	Ant2	5825	19.261	5815.1698	5834.4306	---	---
11N20MIM O	Ant1	5180	20.06	5170.0100	5190.0699	---	---
	Ant2	5180	18.541	5170.5694	5189.1109	---	---
	Ant1	5200	20.1	5189.8901	5209.9900	---	---
	Ant2	5200	18.621	5190.5295	5209.1508	---	---
	Ant1	5240	18.022	5230.9291	5248.9510	---	---
	Ant2	5240	17.702	5231.0889	5248.7912	---	---
	Ant1	5260	20.22	5249.8901	5270.1099	---	---
	Ant2	5260	18.581	5250.5295	5269.1109	---	---
	Ant1	5280	20.18	5269.8901	5290.0699	---	---
	Ant2	5280	18.621	5270.5295	5289.1508	---	---
	Ant1	5320	20.18	5309.8501	5330.0300	---	---
	Ant2	5320	18.581	5310.6094	5329.1908	---	---
	Ant1	5500	20.18	5489.9301	5510.1099	---	---
	Ant2	5500	18.581	5490.6094	5509.1908	---	---
	Ant1	5580	20.14	5569.9301	5590.0699	---	---
	Ant2	5580	18.621	5570.5295	5589.1508	---	---
	Ant1	5700	20.14	5689.9700	5710.1099	---	---
	Ant2	5700	18.581	5690.5694	5709.1508	---	---
	Ant1	5720	20.22	5709.8501	5730.0699	---	---
	Ant2	5720	18.581	5710.5694	5729.1508	---	---
	Ant1	5720 UNII-2C	15.15	5709.8501	5725	---	---
	Ant2	5720 UNII-2C	14.431	5710.5694	5725	---	---
	Ant1	5720 UNII-3	5.07	5725	5730.0699	---	---
	Ant2	5720 UNII-3	4.151	5725	5729.1508	---	---
	Ant1	5745	20.1	5734.9700	5755.0699	---	---

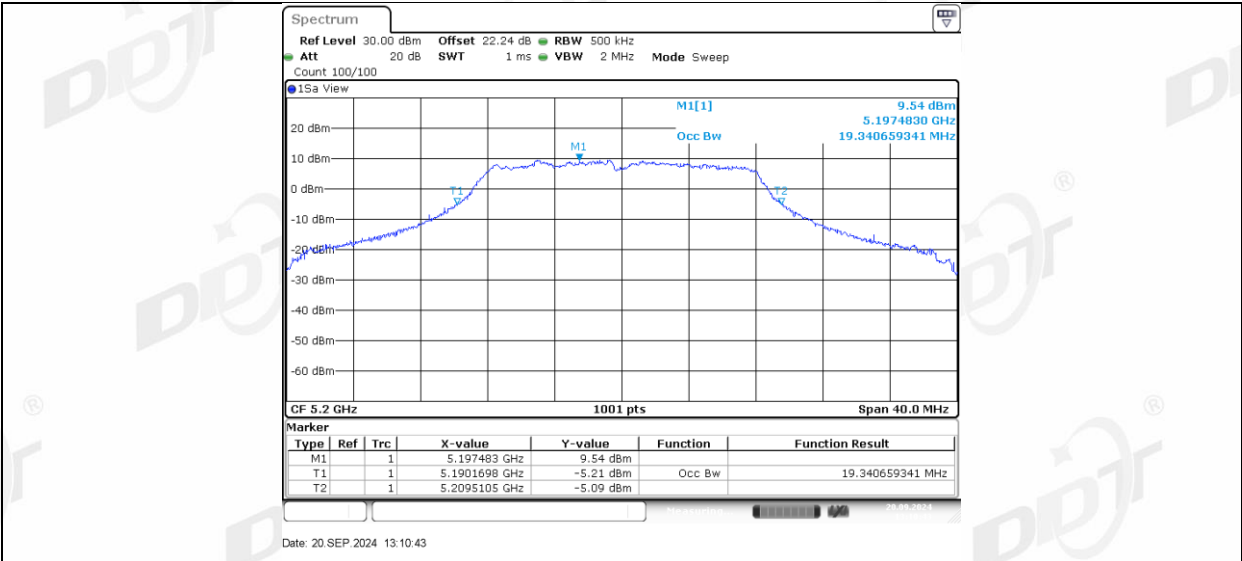
	Ant2	5745	18.541	5735.5694	5754.1109	---	---
	Ant1	5785	20.18	5774.9301	5795.1099	---	---
	Ant2	5785	18.621	5775.5694	5794.1908	---	---
	Ant1	5825	20.26	5814.8102	5835.0699	---	---
	Ant2	5825	18.621	5815.5295	5834.1508	---	---
11N40MIM O	Ant1	5190	35.964	5172.0180	5207.9820	---	---
	Ant2	5190	35.964	5171.9381	5207.9021	---	---
	Ant1	5230	35.884	5212.0180	5247.9021	---	---
	Ant2	5230	35.964	5211.9381	5247.9021	---	---
	Ant1	5270	35.964	5252.0180	5287.9820	---	---
	Ant2	5270	35.964	5251.9381	5287.9021	---	---
	Ant1	5310	35.884	5292.0180	5327.9021	---	---
	Ant2	5310	36.044	5291.9381	5327.9820	---	---
	Ant1	5510	36.044	5492.0180	5528.0619	---	---
	Ant2	5510	36.044	5492.0180	5528.0619	---	---
	Ant1	5550	36.044	5531.9381	5567.9820	---	---
	Ant2	5550	36.124	5531.8581	5567.9820	---	---
	Ant1	5670	36.044	5651.9381	5687.9820	---	---
	Ant2	5670	36.044	5651.9381	5687.9820	---	---
	Ant1	5710	35.964	5692.0180	5727.9820	---	---
	Ant2	5710	35.964	5692.0180	5727.9820	---	---
	Ant1	5710 UNII-2C	32.982	5692.0180	5725	---	---
	Ant2	5710 UNII-2C	32.982	5692.0180	5725	---	---
	Ant1	5710 UNII-3	2.982	5725	5727.9820	---	---
	Ant2	5710 UNII-3	2.982	5725	5727.9820	---	---
	Ant1	5755	35.964	5737.0180	5772.9820	---	---
	Ant2	5755	36.044	5736.9381	5772.9820	---	---
	Ant1	5795	35.884	5777.0180	5812.9021	---	---
	Ant2	5795	35.964	5776.9381	5812.9021	---	---
11AC20MI MO	Ant1	5180	19.78	5170.1698	5189.9500	---	---
	Ant2	5180	18.302	5170.8492	5189.1508	---	---
	Ant1	5200	19.86	5190.0500	5209.9101	---	---
	Ant2	5200	18.382	5190.8092	5209.1908	---	---
	Ant1	5240	17.982	5230.9690	5248.9510	---	---
	Ant2	5240	17.622	5231.1289	5248.7512	---	---
	Ant1	5260	19.78	5250.0500	5269.8302	---	---
	Ant2	5260	18.222	5250.8891	5269.1109	---	---
	Ant1	5280	19.78	5270.0500	5289.8302	---	---
	Ant2	5280	18.222	5270.8492	5289.0709	---	---
	Ant1	5320	19.94	5309.9700	5329.9101	---	---
	Ant2	5320	18.302	5310.8891	5329.1908	---	---
	Ant1	5500	19.98	5490.0500	5510.0300	---	---
	Ant2	5500	18.382	5490.8492	5509.2308	---	---
	Ant1	5580	19.82	5570.0500	5589.8701	---	---
	Ant2	5580	18.222	5570.8891	5589.1109	---	---
	Ant1	5700	19.94	5690.0500	5709.9900	---	---
	Ant2	5700	18.342	5690.8492	5709.1908	---	---
	Ant1	5720	19.78	5710.0500	5729.8302	---	---
	Ant2	5720	18.262	5710.8891	5729.1508	---	---
	Ant1	5720 UNII-2C	14.95	5710.0500	5725	---	---
	Ant2	5720 UNII-2C	14.111	5710.8891	5725	---	---
	Ant1	5720 UNII-3	4.83	5725	5729.8302	---	---
	Ant2	5720 UNII-3	4.151	5725	5729.1508	---	---
	Ant1	5745	19.74	5735.1299	5754.8701	---	---
	Ant2	5745	18.222	5735.8891	5754.1109	---	---
	Ant1	5785	19.86	5775.0500	5794.9101	---	---
	Ant2	5785	18.222	5775.8891	5794.1109	---	---
	Ant1	5825	19.86	5814.9700	5834.8302	---	---
	Ant2	5825	18.222	5815.8492	5834.0709	---	---
11AC40MI MO	Ant1	5190	35.804	5172.0979	5207.9021	---	---
	Ant2	5190	36.124	5171.9381	5208.0619	---	---
	Ant1	5230	35.884	5212.0180	5247.9021	---	---
	Ant2	5230	36.124	5211.9381	5248.0619	---	---
	Ant1	5270	35.884	5252.0180	5287.9021	---	---

	Ant2	5270	36.124	5251.9381	5288.0619	---	---
	Ant1	5310	35.884	5292.0180	5327.9021	---	---
	Ant2	5310	36.124	5291.8581	5327.9820	---	---
	Ant1	5510	35.884	5492.0979	5527.9820	---	---
	Ant2	5510	36.204	5491.9381	5528.1419	---	---
	Ant1	5550	35.804	5532.0180	5567.8222	---	---
	Ant2	5550	36.204	5531.8581	5568.0619	---	---
	Ant1	5670	35.804	5652.0180	5687.8222	---	---
	Ant2	5670	36.124	5651.9381	5688.0619	---	---
	Ant1	5710	35.884	5692.0180	5727.9021	---	---
	Ant2	5710	36.124	5691.9381	5728.0619	---	---
	Ant1	5710 UNII-2C	32.982	5692.0180	5725	---	---
	Ant2	5710 UNII-2C	33.062	5691.9381	5725	---	---
	Ant1	5710 UNII-3	2.902	5725	5727.9021	---	---
	Ant2	5710 UNII-3	3.062	5725	5728.0619	---	---
	Ant1	5755	35.804	5737.0979	5772.9021	---	---
	Ant2	5755	36.124	5736.8581	5772.9820	---	---
	Ant1	5795	35.884	5777.0180	5812.9021	---	---
	Ant2	5795	36.044	5776.9381	5812.9820	---	---
11AC80MI MO	Ant1	5210	75.125	5172.4376	5247.5624	---	---
	Ant2	5210	74.965	5172.5974	5247.5624	---	---
	Ant1	5290	75.445	5252.2777	5327.7223	---	---
	Ant2	5290	74.965	5252.4376	5327.4026	---	---
	Ant1	5530	75.125	5492.5974	5567.7223	---	---
	Ant2	5530	74.965	5492.5974	5567.5624	---	---
	Ant1	5610	75.445	5572.2777	5647.7223	---	---
	Ant2	5610	75.125	5572.4376	5647.5624	---	---
	Ant1	5690	74.965	5652.4376	5727.4026	---	---
	Ant2	5690	74.965	5652.5974	5727.5624	---	---
	Ant1	5690 UNII-2C	72.562	5652.4376	5725	---	---
	Ant2	5690 UNII-2C	72.403	5652.5974	5725	---	---
	Ant1	5690 UNII-3	2.403	5725	5727.4026	---	---
	Ant2	5690 UNII-3	2.562	5725	5727.5624	---	---
11AX20MI MO	Ant1	5775	75.125	5737.4376	5812.5624	---	---
	Ant2	5775	75.125	5737.4376	5812.5624	---	---
	Ant1	5180	19.341	5170.3297	5189.6703	---	---
	Ant2	5180	19.261	5170.3297	5189.5904	---	---
	Ant1	5200	19.421	5190.2098	5209.6304	---	---
	Ant2	5200	19.301	5190.2897	5209.5904	---	---
	Ant1	5240	18.901	5230.4895	5249.3906	---	---
	Ant2	5240	18.901	5230.4895	5249.3906	---	---
	Ant1	5260	19.421	5250.2498	5269.6703	---	---
	Ant2	5260	19.341	5250.2897	5269.6304	---	---
	Ant1	5280	19.421	5270.2098	5289.6304	---	---
	Ant2	5280	19.341	5270.2897	5289.6304	---	---
	Ant1	5320	19.381	5310.2897	5329.6703	---	---
	Ant2	5320	19.381	5310.2498	5329.6304	---	---
	Ant1	5500	19.421	5490.2498	5509.6703	---	---
	Ant2	5500	19.341	5490.2498	5509.5904	---	---
	Ant1	5580	19.341	5570.2498	5589.5904	---	---
	Ant2	5580	19.301	5570.2897	5589.5904	---	---
	Ant1	5700	19.381	5690.2498	5709.6304	---	---
	Ant2	5700	19.341	5690.2897	5709.6304	---	---
	Ant1	5720	19.421	5710.2098	5729.6304	---	---
	Ant2	5720	19.301	5710.2897	5729.5904	---	---
	Ant1	5720 UNII-2C	14.79	5710.2098	5725	---	---
	Ant2	5720 UNII-2C	14.71	5710.2897	5725	---	---
	Ant1	5720 UNII-3	4.63	5725	5729.6304	---	---
	Ant2	5720 UNII-3	4.59	5725	5729.5904	---	---
	Ant1	5745	19.421	5735.2498	5754.6703	---	---
	Ant2	5745	19.301	5735.2897	5754.5904	---	---
	Ant1	5785	19.421	5775.2498	5794.6703	---	---
	Ant2	5785	19.301	5775.2897	5794.5904	---	---
	Ant1	5825	19.5	5815.1299	5834.6304	---	---

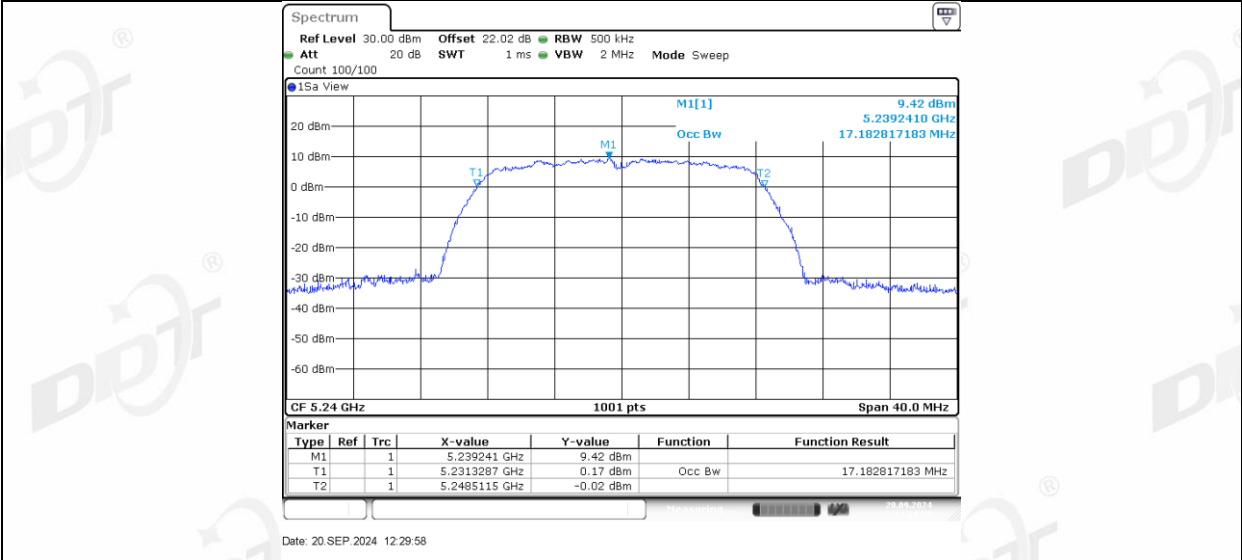
11AX40MI MO	Ant2	5825	19.341	5815.2498	5834.5904	---	---
	Ant1	5190	37.562	5171.2188	5208.7812	---	---
	Ant2	5190	37.642	5171.1389	5208.7812	---	---
	Ant1	5230	37.642	5211.1389	5248.7812	---	---
	Ant2	5230	37.642	5211.1389	5248.7812	---	---
	Ant1	5270	37.642	5251.1389	5288.7812	---	---
	Ant2	5270	37.642	5251.1389	5288.7812	---	---
	Ant1	5310	37.642	5291.1389	5328.7812	---	---
	Ant2	5310	37.722	5291.0589	5328.7812	---	---
	Ant1	5510	37.722	5491.1389	5528.8611	---	---
	Ant2	5510	37.722	5491.1389	5528.8611	---	---
	Ant1	5550	37.483	5531.2188	5568.7013	---	---
	Ant2	5550	37.642	5531.1389	5568.7812	---	---
	Ant1	5670	37.642	5651.1389	5688.7812	---	---
	Ant2	5670	37.642	5651.1389	5688.7812	---	---
	Ant1	5710	37.642	5691.1389	5728.7812	---	---
	Ant2	5710	37.562	5691.2188	5728.7812	---	---
	Ant1	5710 UNII-2C	33.861	5691.1389	5725	---	---
	Ant2	5710 UNII-2C	33.781	5691.2188	5725	---	---
	Ant1	5710 UNII-3	3.781	5725	5728.7812	---	---
	Ant2	5710 UNII-3	3.781	5725	5728.7812	---	---
	Ant1	5755	37.642	5736.1389	5773.7812	---	---
	Ant2	5755	37.562	5736.1389	5773.7013	---	---
	Ant1	5795	37.562	5776.1389	5813.7013	---	---
	Ant2	5795	37.642	5776.1389	5813.7812	---	---
11AX80MI MO	Ant1	5210	77.043	5171.4785	5248.5215	---	---
	Ant2	5210	77.043	5171.4785	5248.5215	---	---
	Ant1	5290	77.043	5251.4785	5328.5215	---	---
	Ant2	5290	77.043	5251.3187	5328.3616	---	---
	Ant1	5530	76.883	5491.6384	5568.5215	---	---
	Ant2	5530	77.043	5491.4785	5568.5215	---	---
	Ant1	5610	77.363	5571.3187	5648.6813	---	---
	Ant2	5610	76.883	5571.4785	5648.3616	---	---
	Ant1	5690	77.043	5651.4785	5728.5215	---	---
	Ant2	5690	77.203	5651.4785	5728.6813	---	---
	Ant1	5690 UNII-2C	73.521	5651.4785	5725	---	---
	Ant2	5690 UNII-2C	73.521	5651.4785	5725	---	---
	Ant1	5690 UNII-3	3.521	5725	5728.5215	---	---
	Ant2	5690 UNII-3	3.681	5725	5728.6813	---	---
	Ant1	5775	77.043	5736.4785	5813.5215	---	---
	Ant2	5775	77.203	5736.1588	5813.3616	---	---

6.5. Test graphs

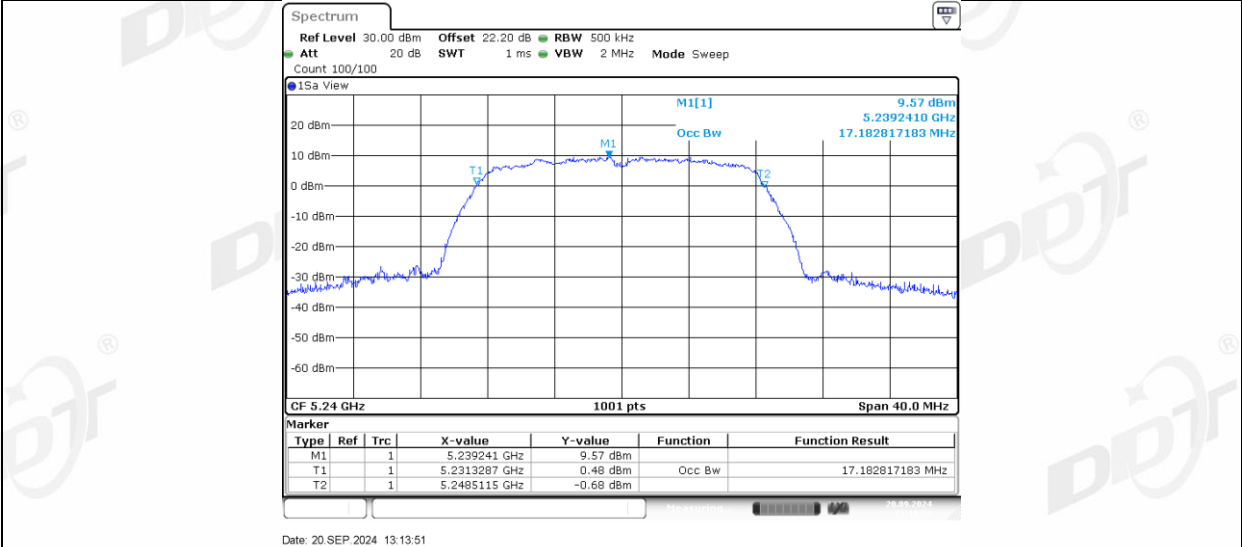




11A_Ant1_5240



11A_Ant2_5240

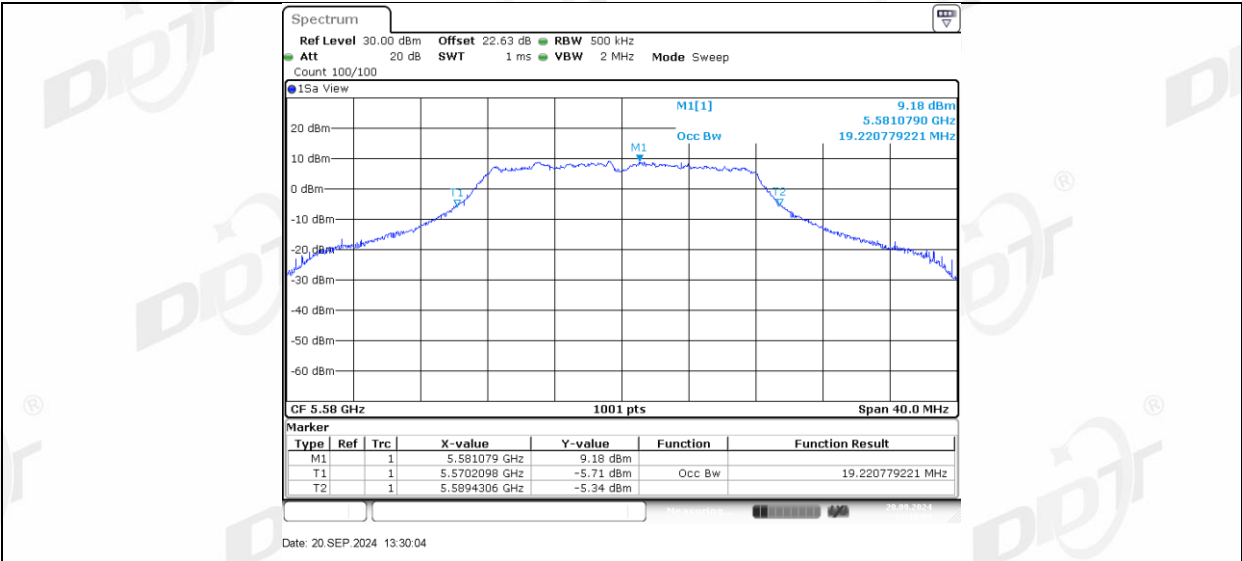


11A_Ant1_5260

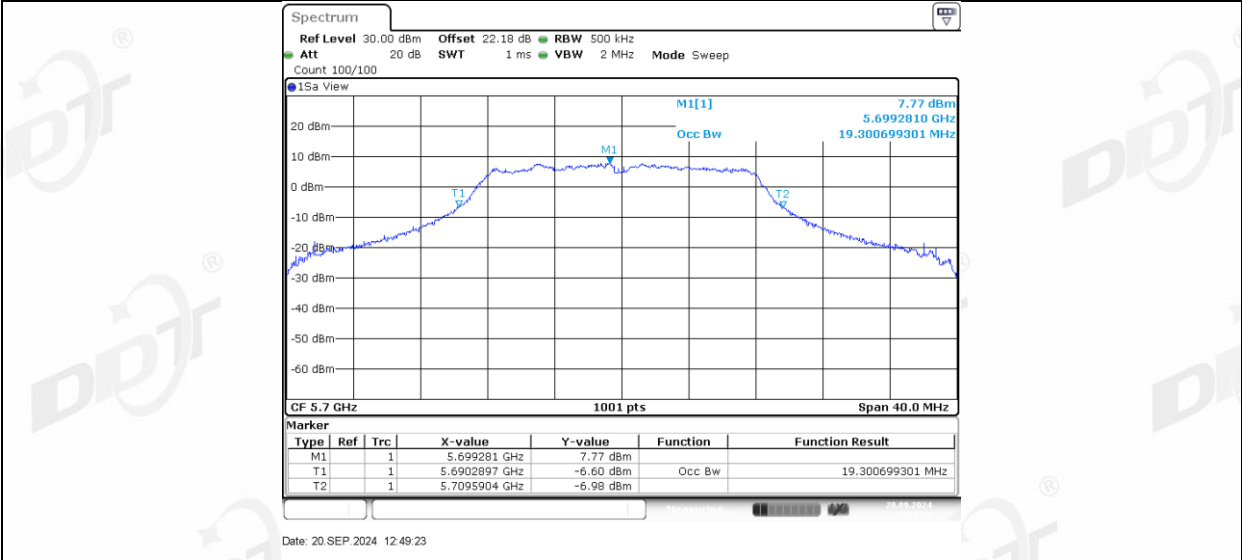




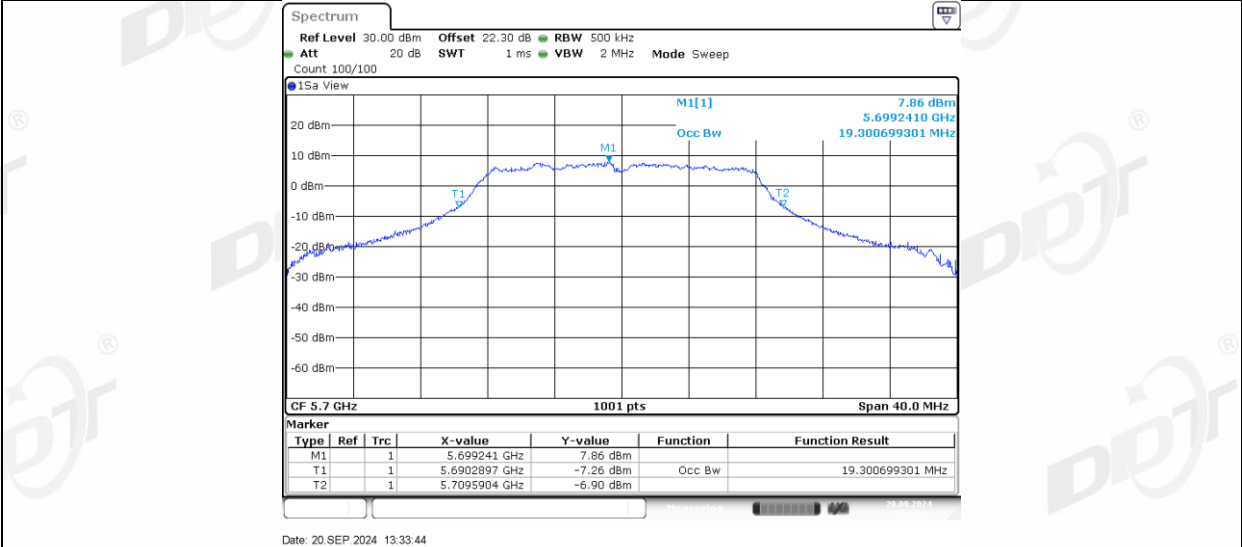




11A_Ant1_5700

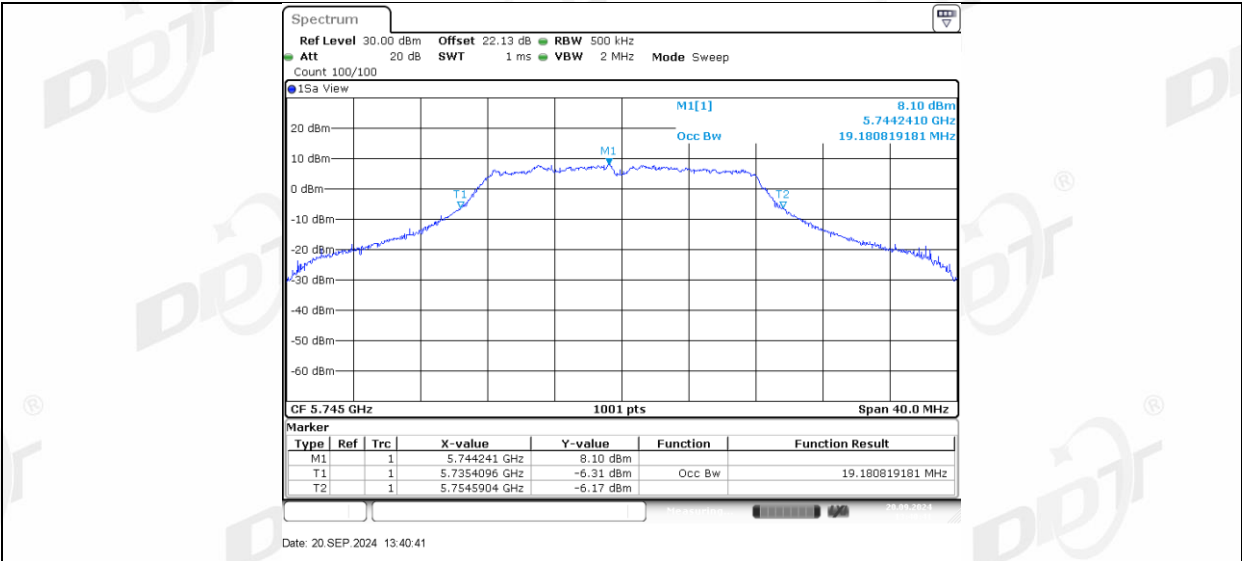


11A_Ant2_5700

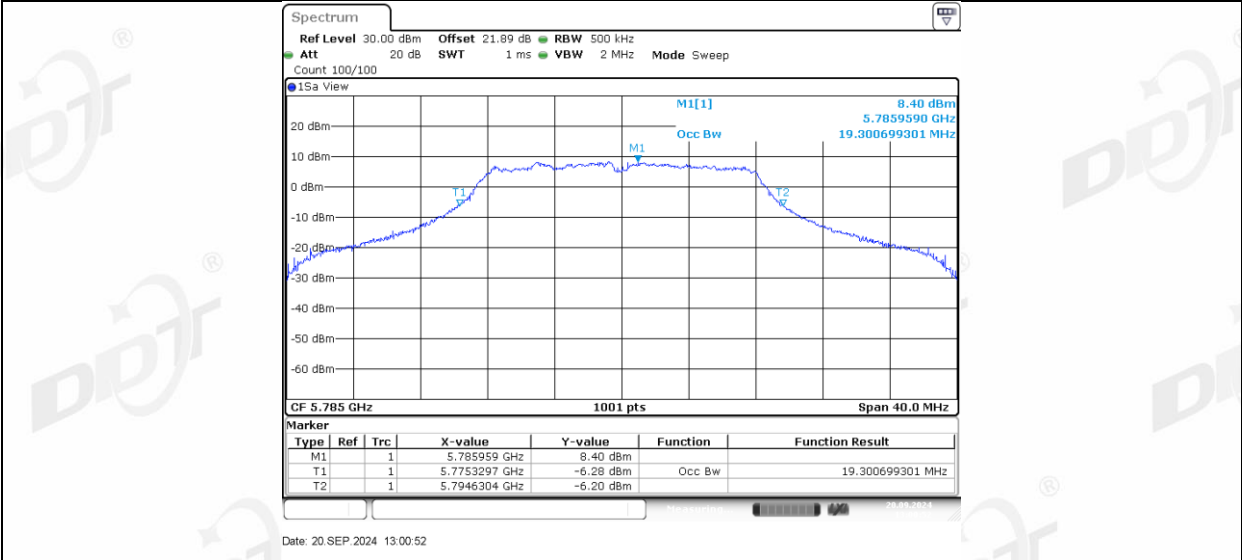


11A_Ant1_5720

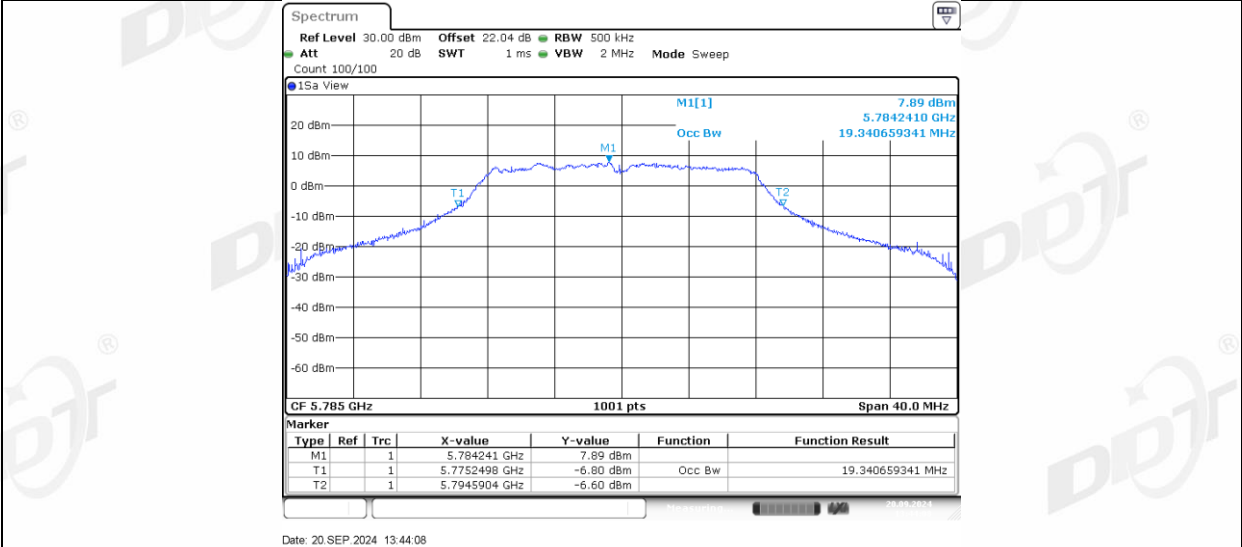




11A_Ant1_5785

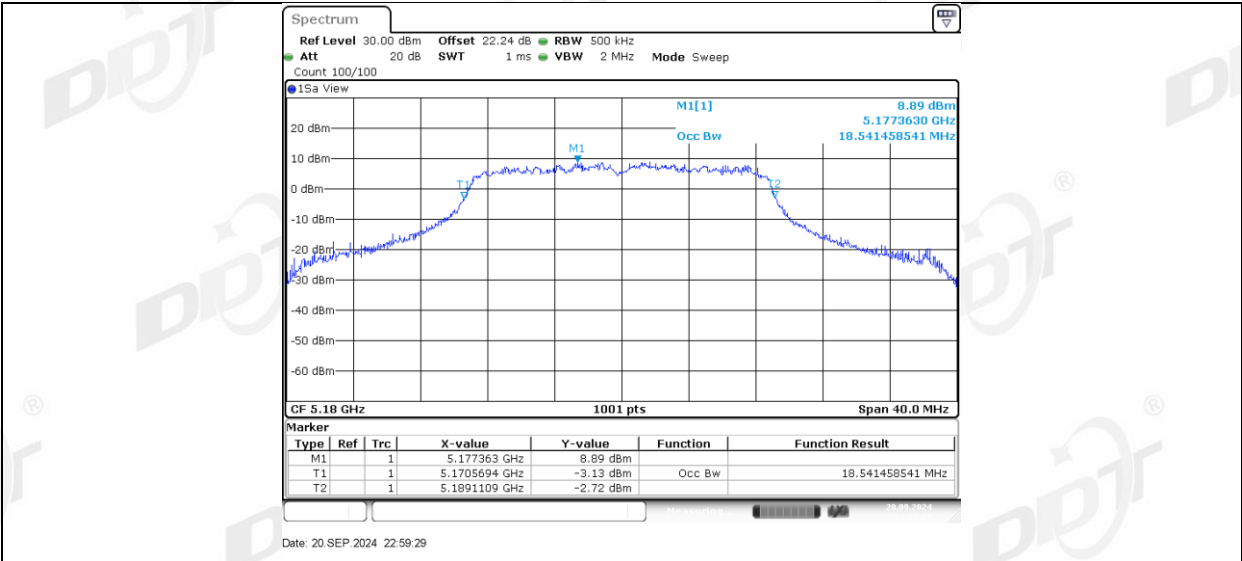


11A_Ant2_5785

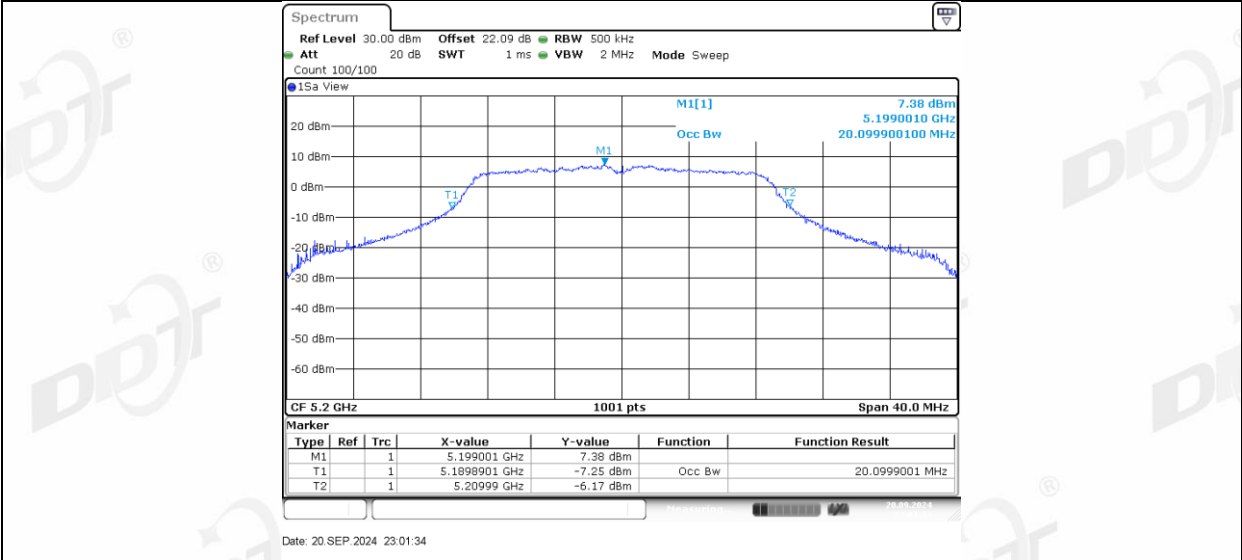


11A_Ant1_5825

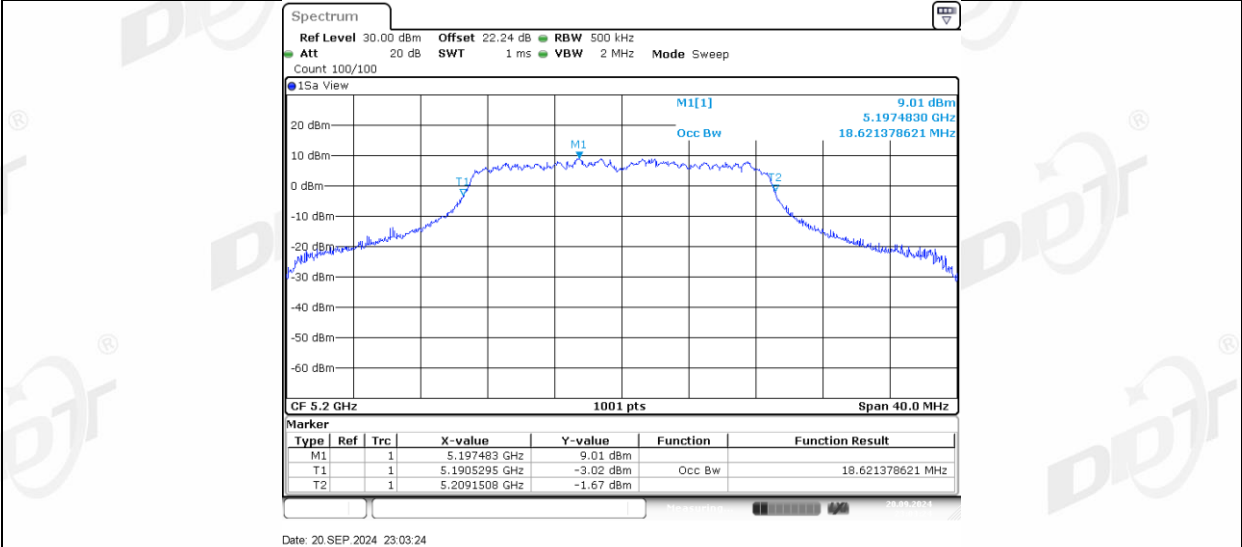




11N20MIMO_Ant1_5200

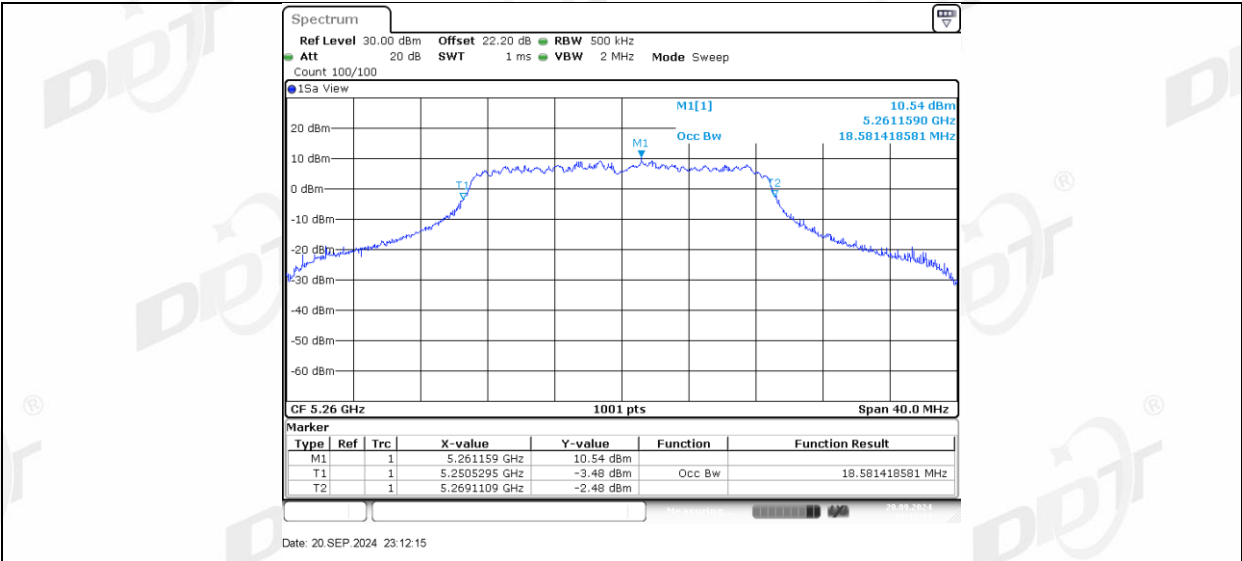


11N20MIMO_Ant2_5200

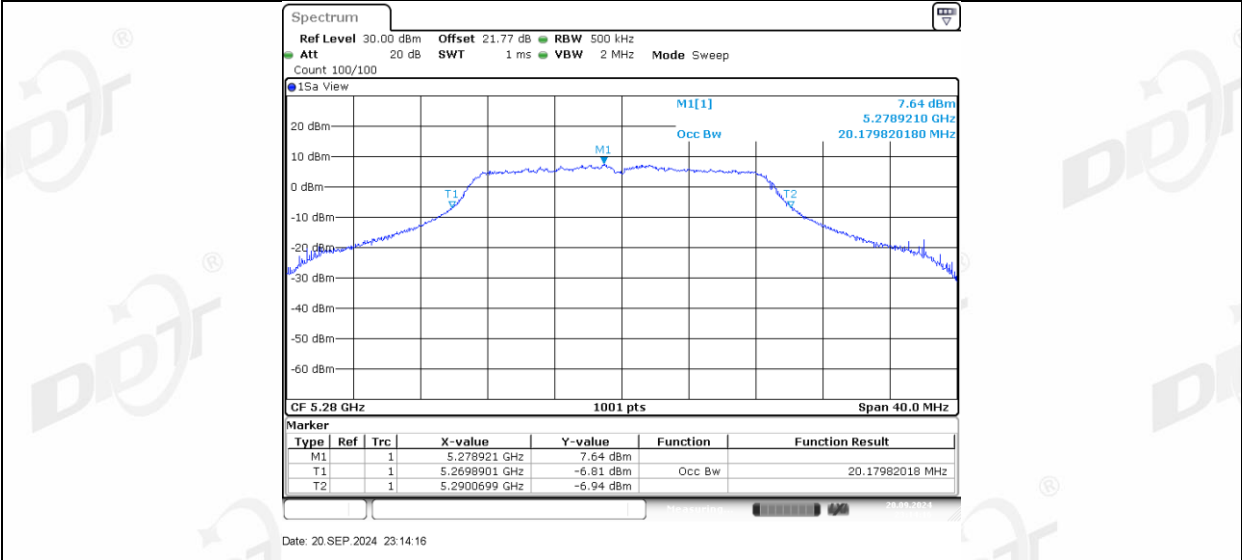


11N20MIMO_Ant1_5240

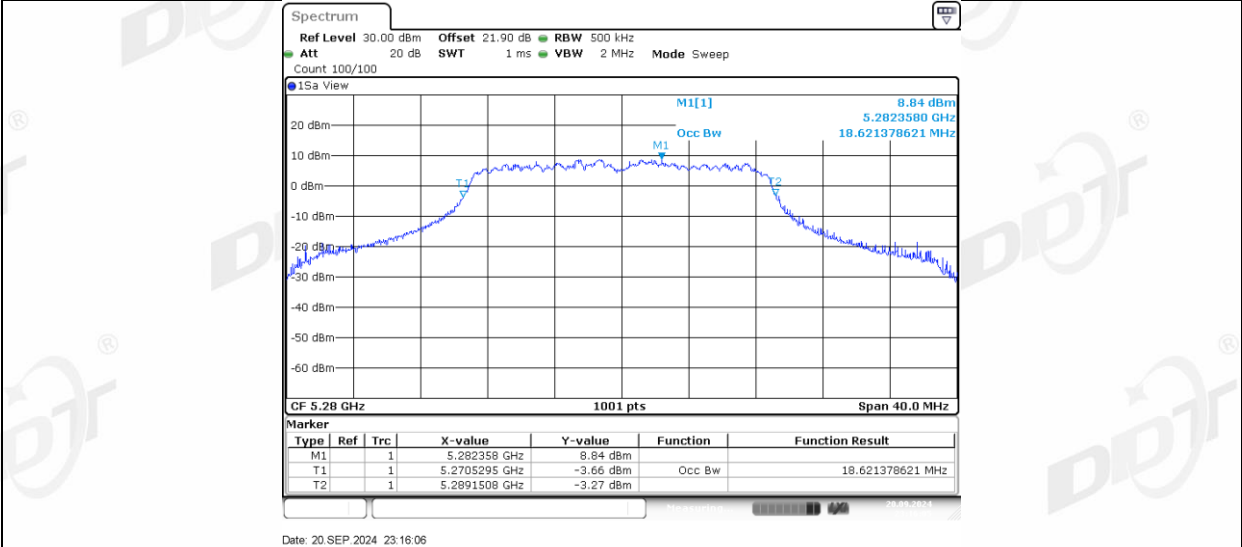




11N20MIMO_Ant1_5280

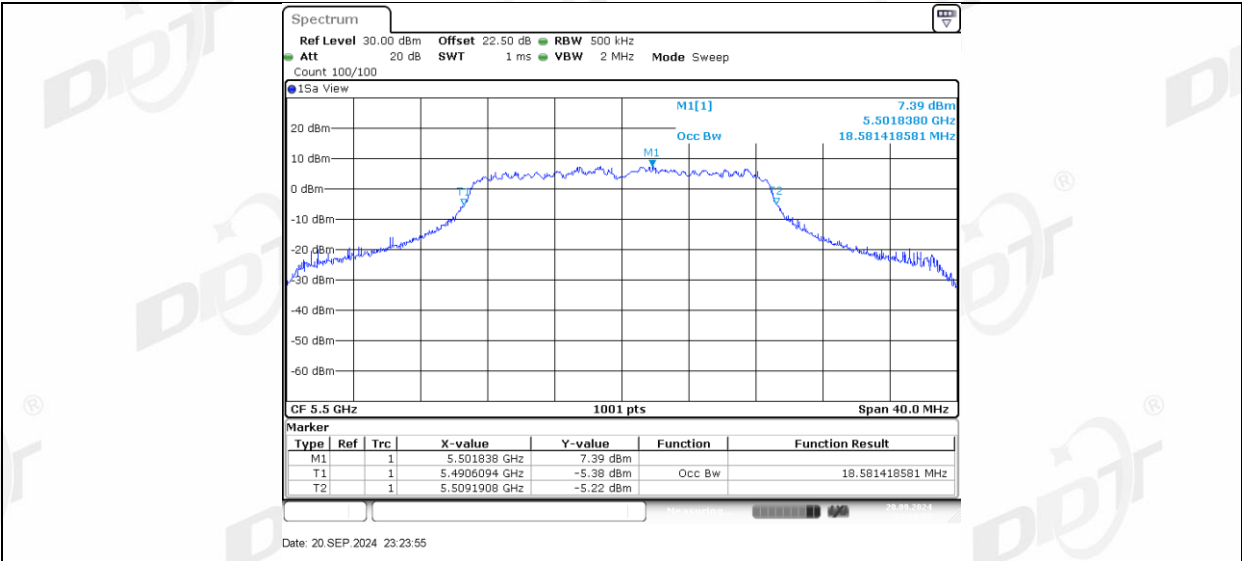


11N20MIMO_Ant2_5280

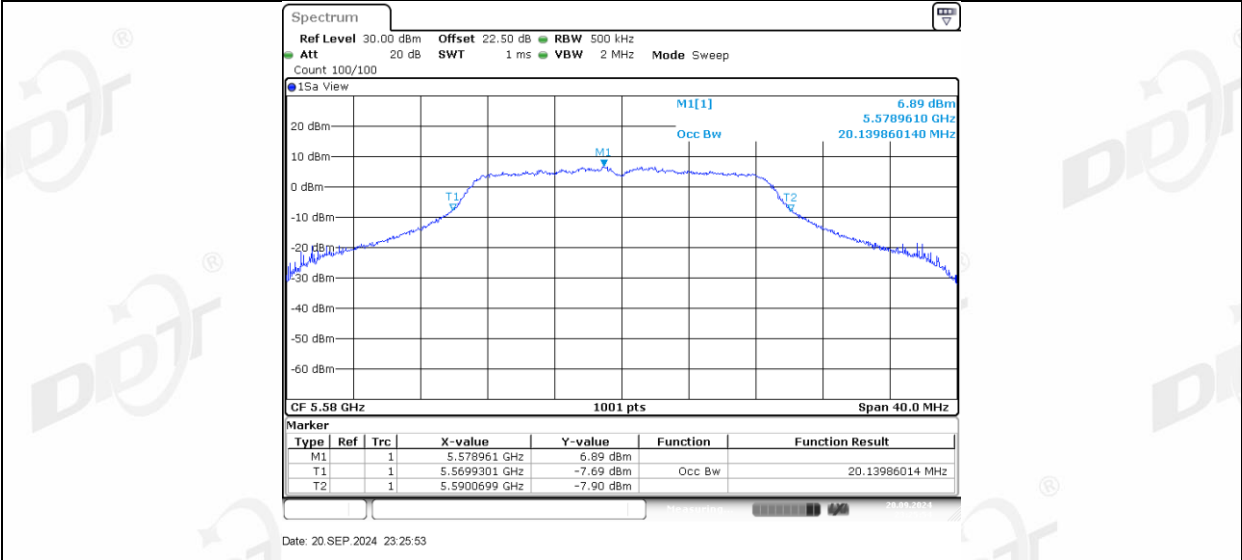


11N20MIMO_Ant1_5320

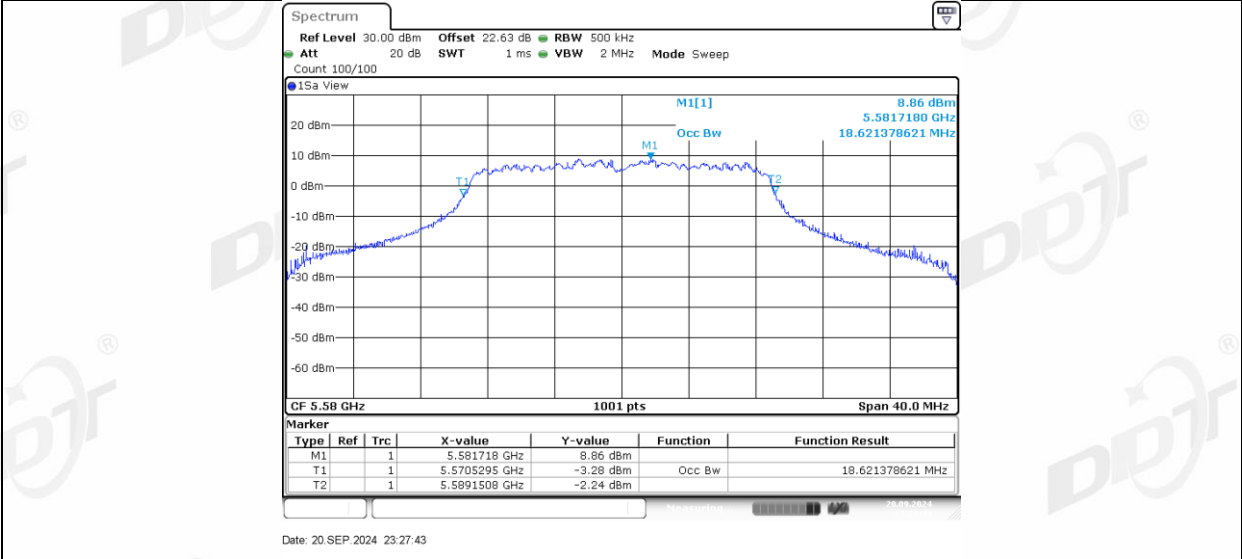




11N20MIMO_Ant1_5580

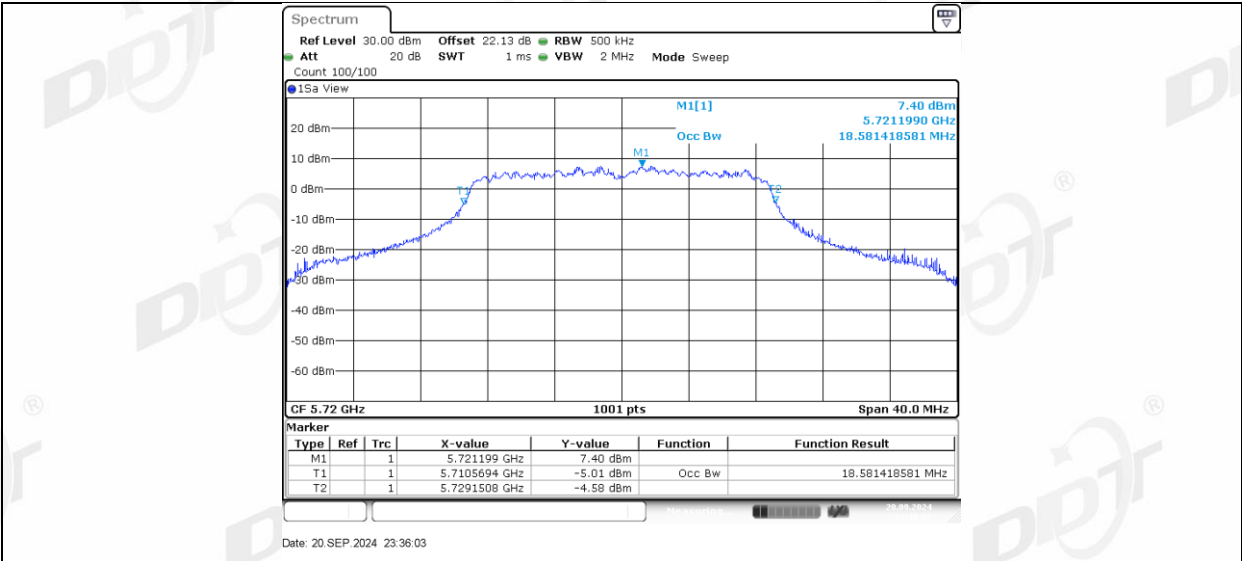


11N20MIMO_Ant2_5580

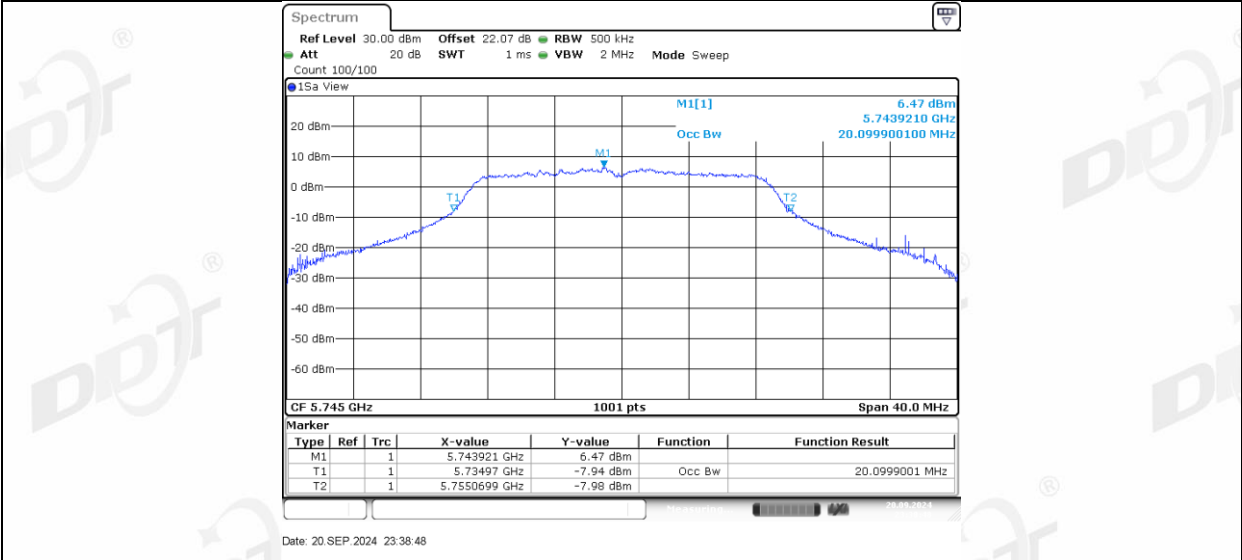


11N20MIMO_Ant1_5700

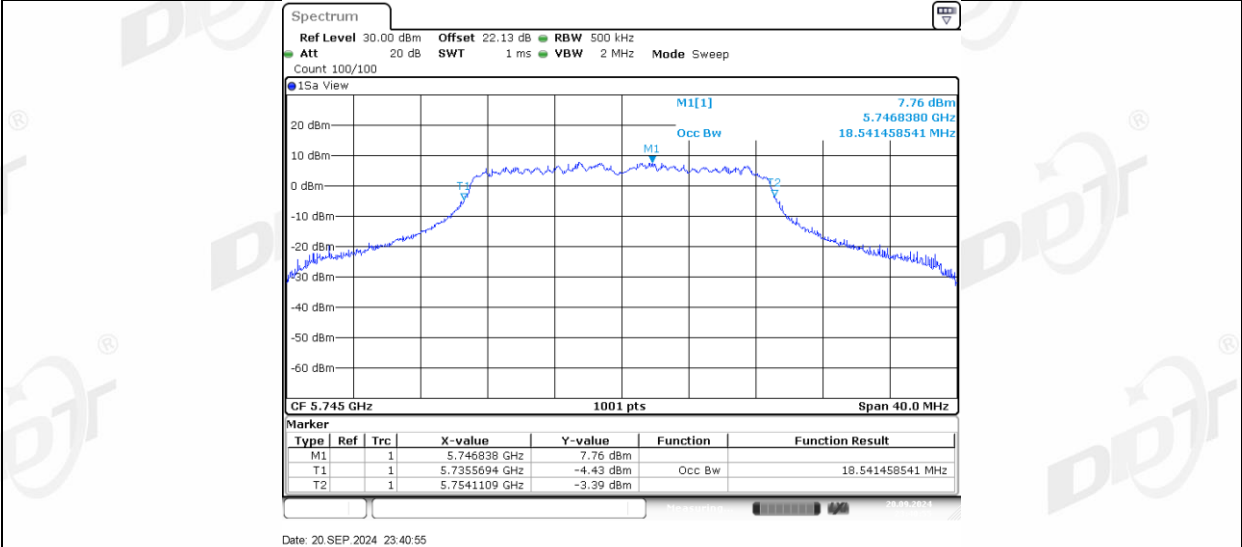




11N20MIMO_Ant1_5745

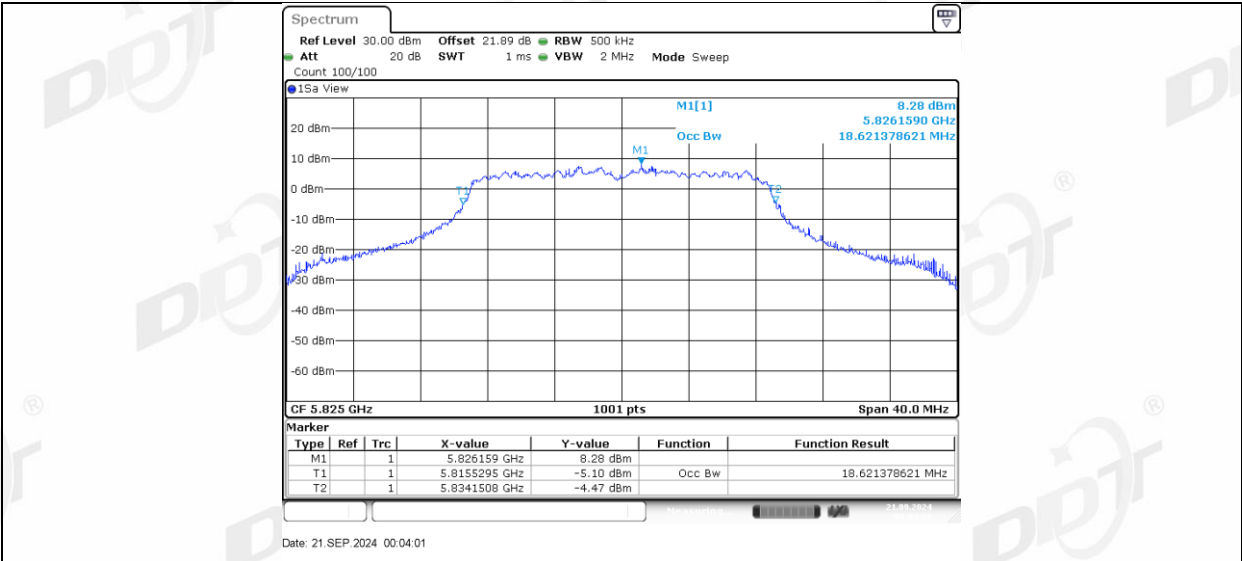


11N20MIMO_Ant2_5745

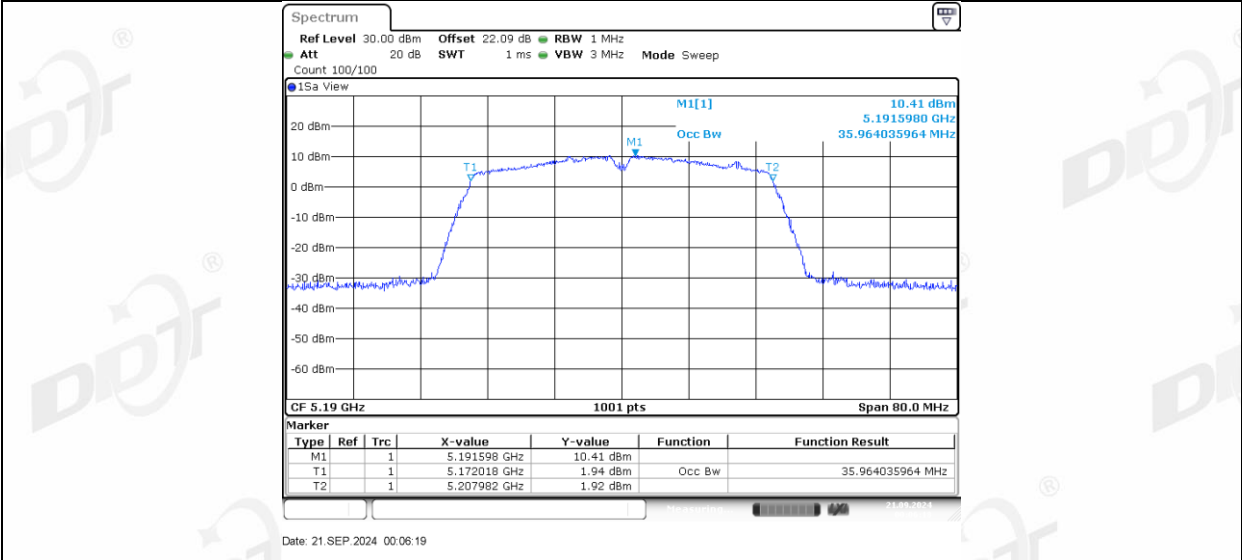


11N20MIMO_Ant1_5785

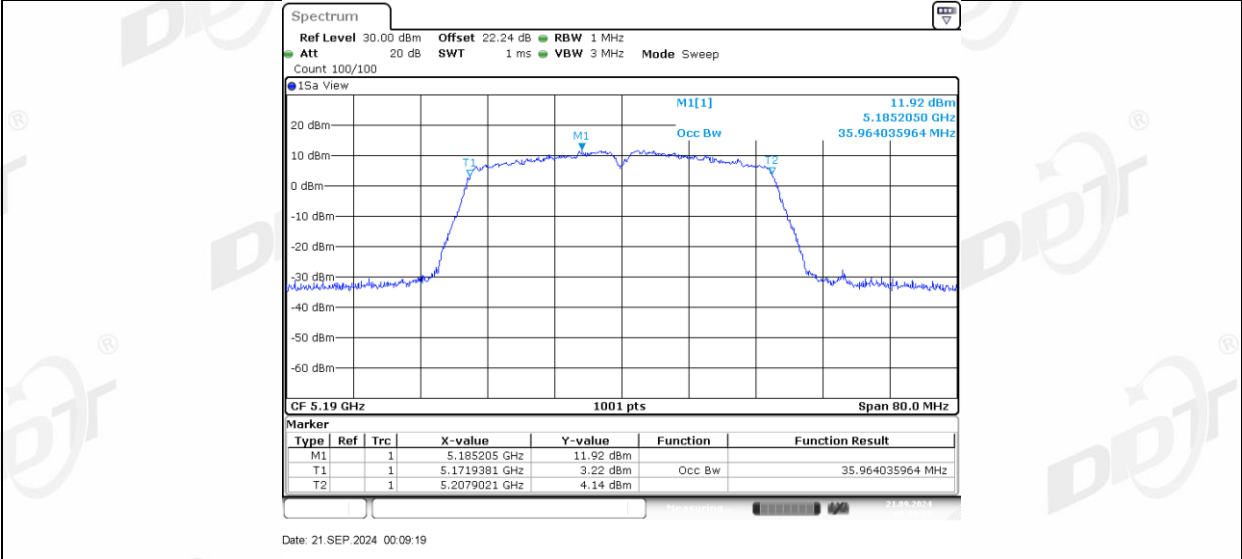




11N40MIMO_Ant1_5190



11N40MIMO_Ant2_5190



11N40MIMO_Ant1_5230

