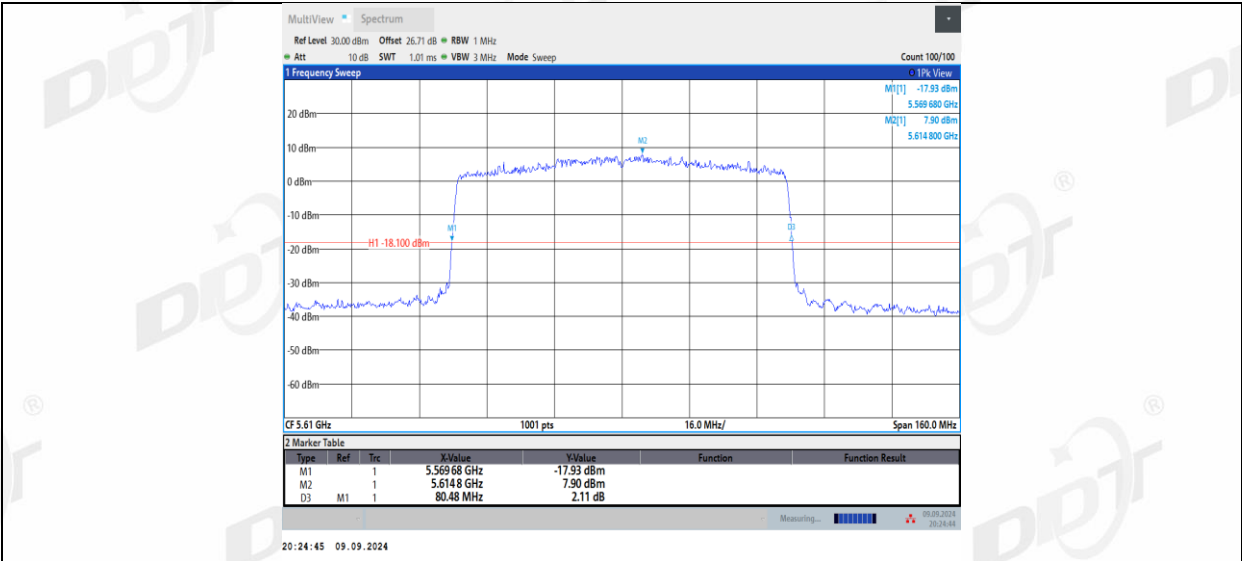
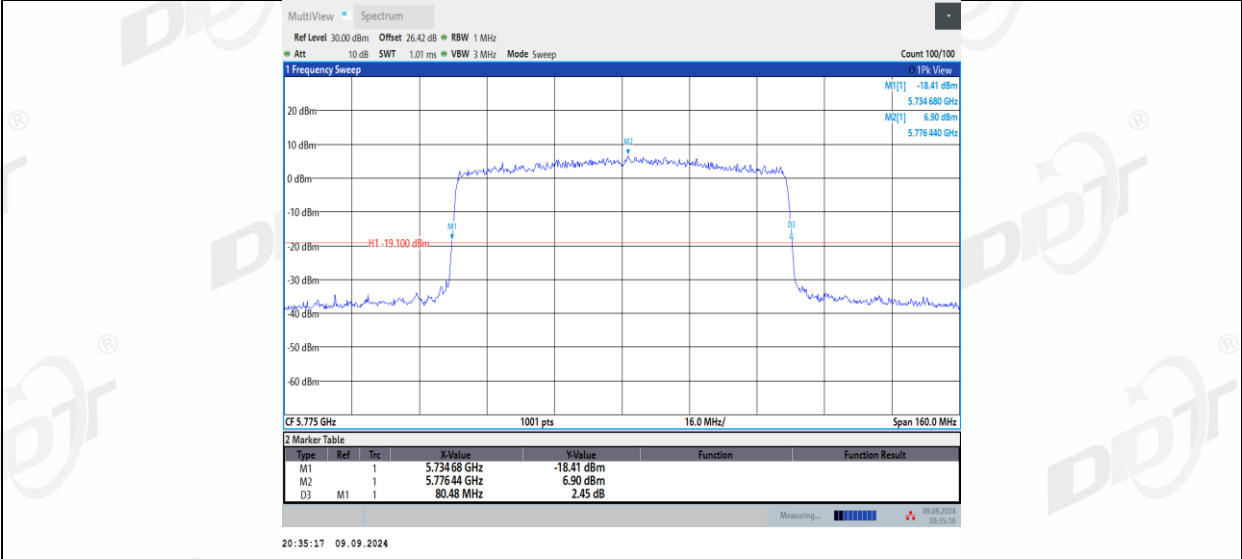




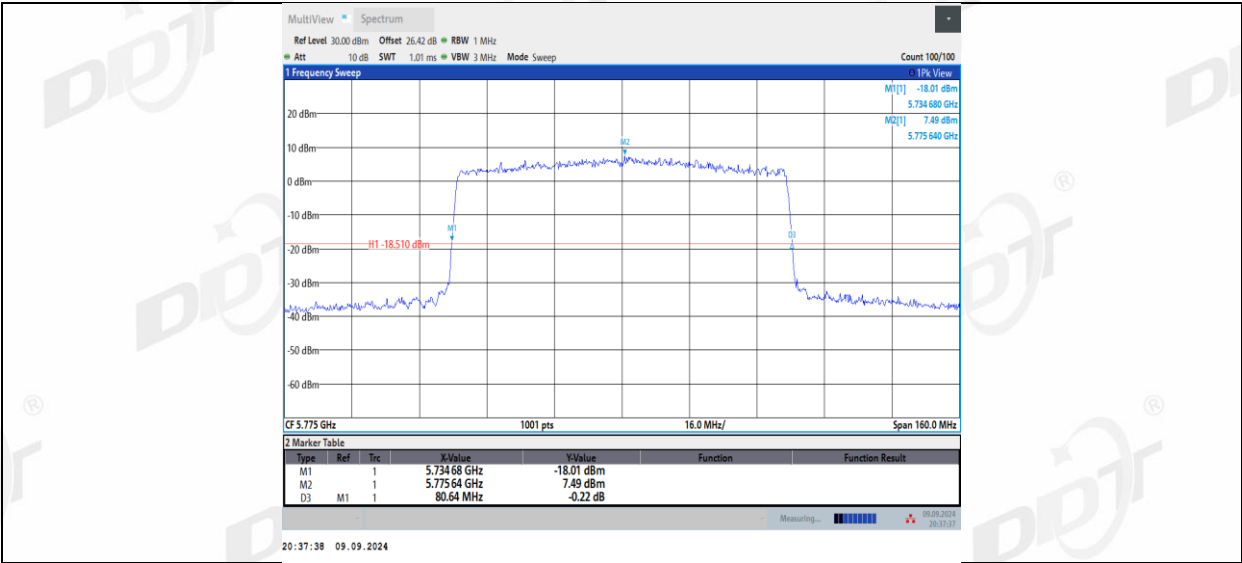
11AX80MIMO_Ant2_5610



11AX80MIMO_Ant1_5775

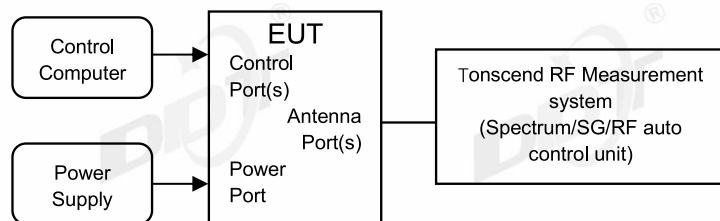


11AX80MIMO_Ant2_5775



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.

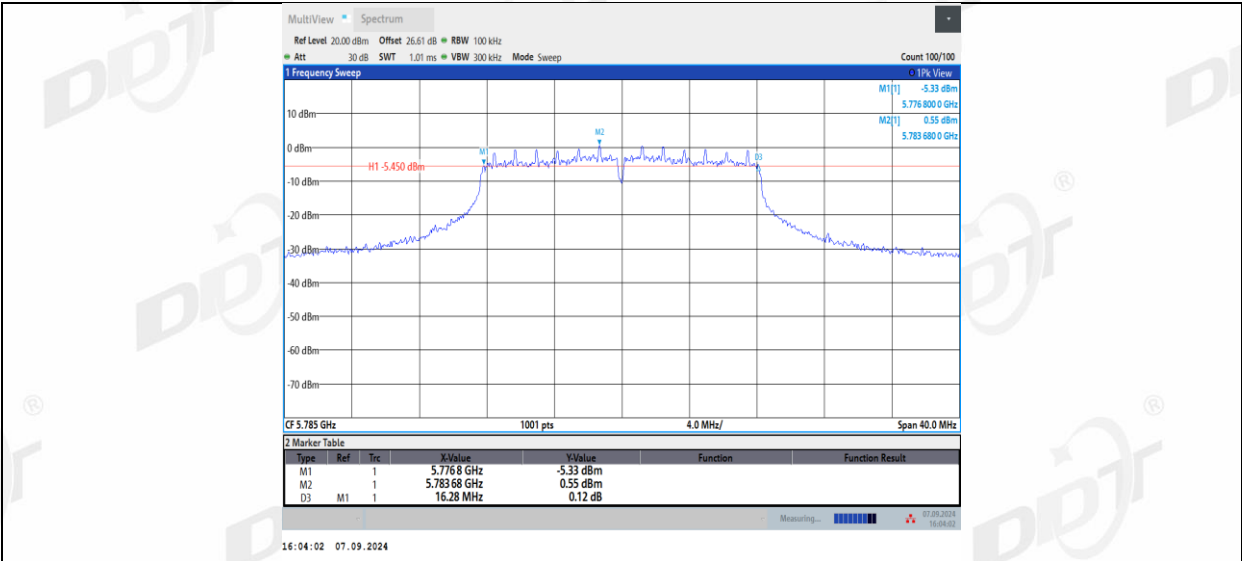
5.4. Test result B4

Test Engineer:	Zoe	Test Site:	RF Measurement System 4#
Ambient Condition:	25.6℃,48.1%RH	Test Date:	2024.09.07-2024.09.09
Test Power Supply:	AC 120V/60Hz	Sample Number:	S24081509-002

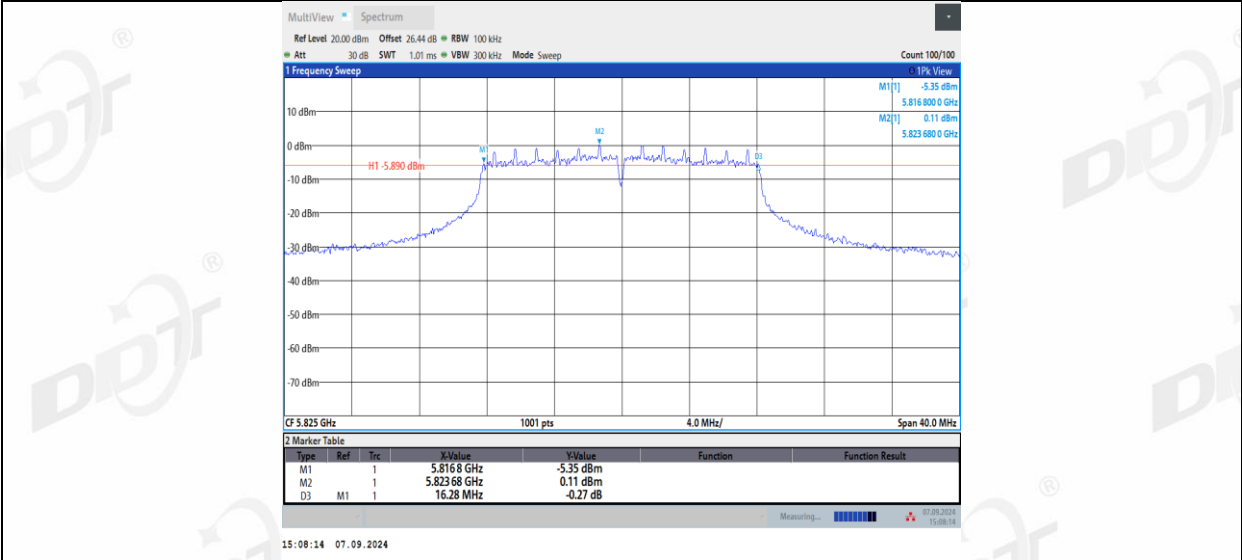
Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	16.28	5736.80	5753.08	0.5	PASS
	Ant2	5745	16.04	5736.80	5752.84	0.5	PASS
	Ant1	5785	16.28	5776.80	5793.08	0.5	PASS
	Ant2	5785	16.28	5776.80	5793.08	0.5	PASS
	Ant1	5825	16.28	5816.80	5833.08	0.5	PASS
	Ant2	5825	16.28	5816.80	5833.08	0.5	PASS
11N20MIMO	Ant1	5745	17.16	5736.16	5753.32	0.5	PASS
	Ant2	5745	17.60	5736.12	5753.72	0.5	PASS
	Ant1	5785	16.92	5776.76	5793.68	0.5	PASS
	Ant2	5785	17.56	5776.16	5793.72	0.5	PASS
	Ant1	5825	16.80	5816.52	5833.32	0.5	PASS
	Ant2	5825	17.56	5816.16	5833.72	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	35.04	5777.48	5812.52	0.5	PASS
	Ant2	5795	35.04	5777.48	5812.52	0.5	PASS
11AC20MI MO	Ant1	5745	16.32	5737.00	5753.32	0.5	PASS
	Ant2	5745	17.52	5736.16	5753.68	0.5	PASS
	Ant1	5785	16.88	5776.56	5793.44	0.5	PASS
	Ant2	5785	17.56	5776.16	5793.72	0.5	PASS
	Ant1	5825	17.08	5816.40	5833.48	0.5	PASS
	Ant2	5825	17.56	5816.16	5833.72	0.5	PASS
11AC40MI MO	Ant1	5755	35.04	5737.48	5772.52	0.5	PASS
	Ant2	5755	35.12	5737.40	5772.52	0.5	PASS
	Ant1	5795	35.04	5777.48	5812.52	0.5	PASS
	Ant2	5795	35.04	5777.48	5812.52	0.5	PASS
11AC80MI MO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	75.20	5737.40	5812.60	0.5	PASS
11AX20MI MO	Ant1	5745	18.80	5735.48	5754.28	0.5	PASS
	Ant2	5745	18.92	5735.48	5754.40	0.5	PASS
	Ant1	5785	18.96	5775.48	5794.44	0.5	PASS
	Ant2	5785	18.92	5775.48	5794.40	0.5	PASS
	Ant1	5825	18.76	5815.56	5834.32	0.5	PASS
	Ant2	5825	19.04	5815.40	5834.44	0.5	PASS
11AX40MI MO	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	5777.40	5812.52	0.5	PASS
	Ant2	5795	35.12	5777.40	5812.52	0.5	PASS
11AX80MI MO	Ant1	5775	75.84	5737.40	5813.24	0.5	PASS
	Ant2	5775	76.16	5736.60	5812.76	0.5	PASS

5.5. Test graphs B4

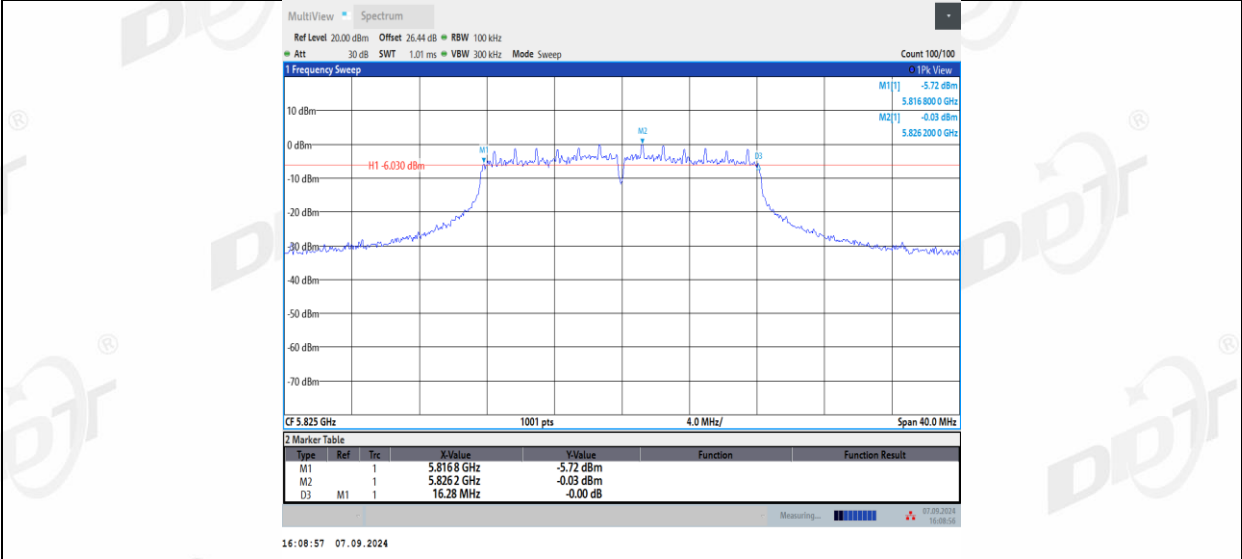




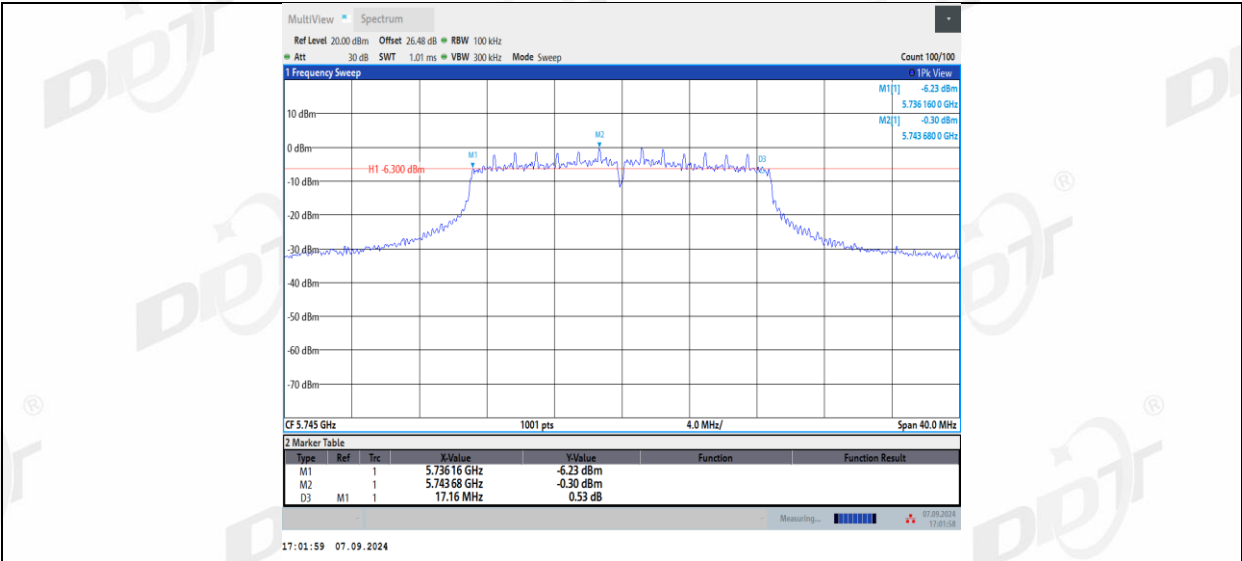
11A_Ant1_5825



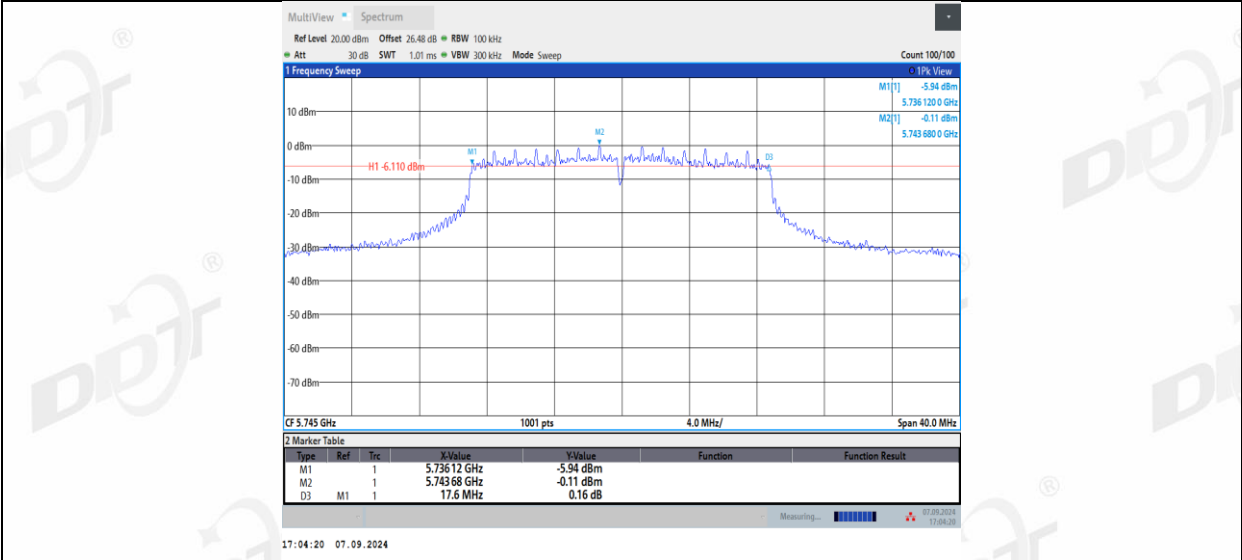
11A_Ant2_5825



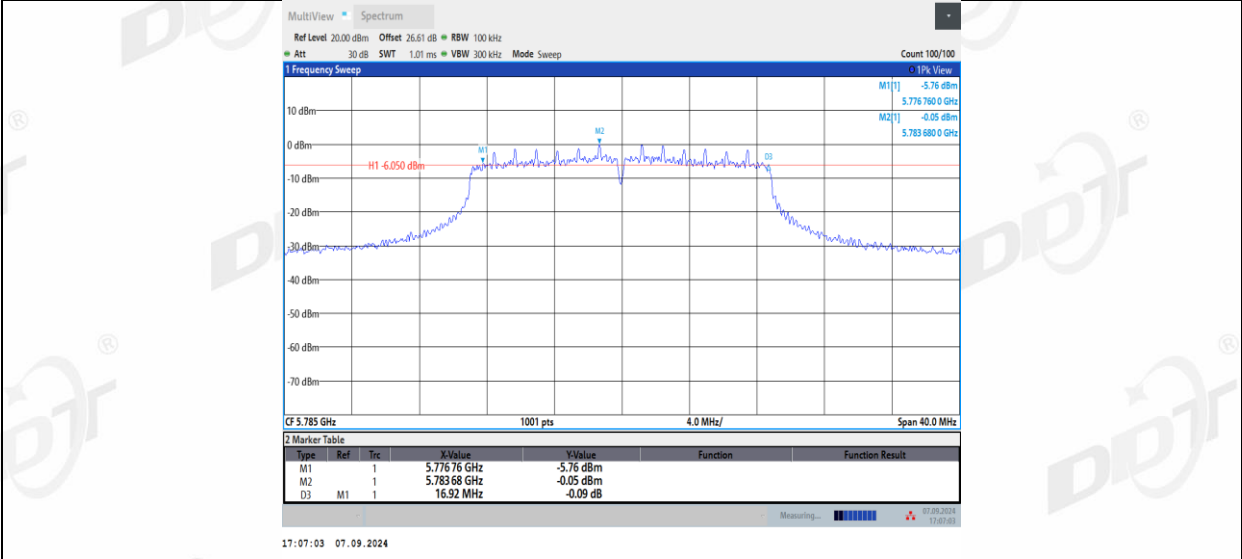
11N20MIMO_Ant1_5745



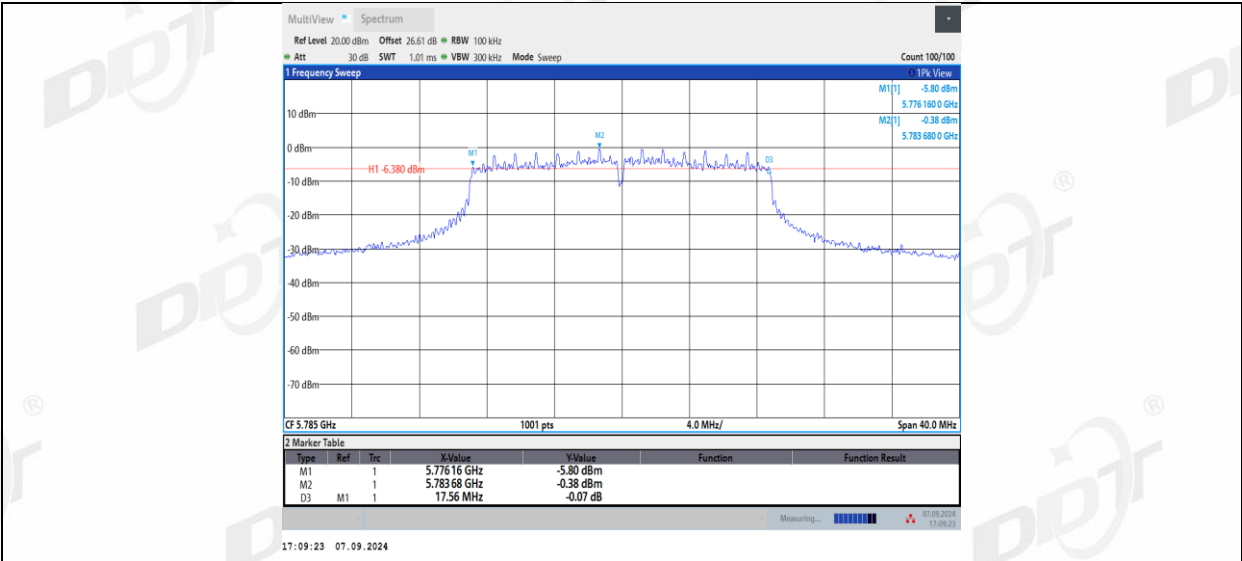
11N20MIMO_Ant2_5745



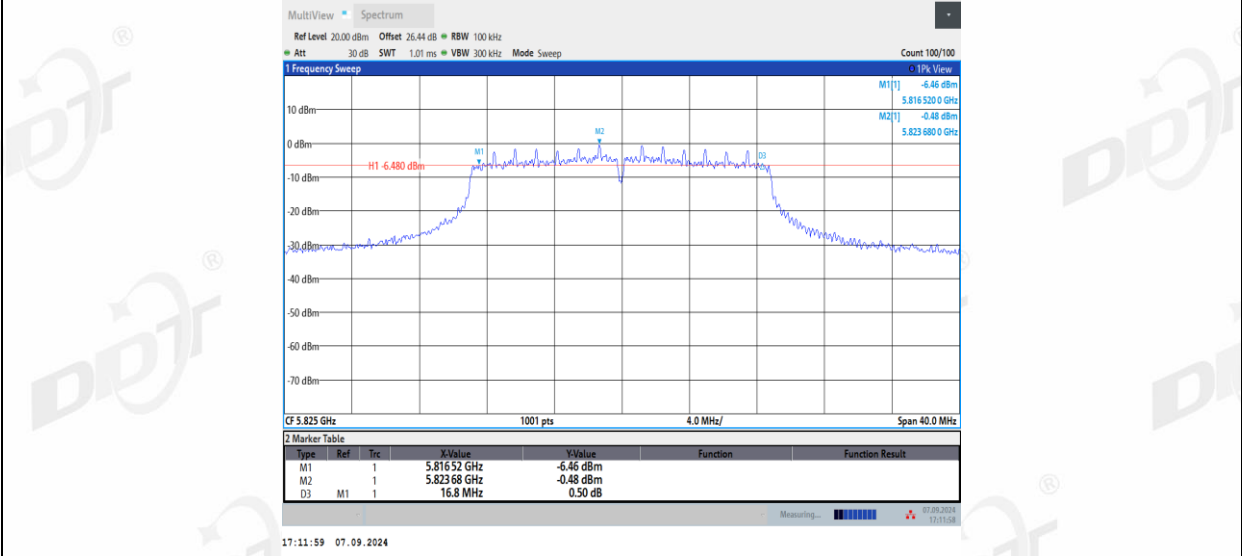
11N20MIMO_Ant1_5785



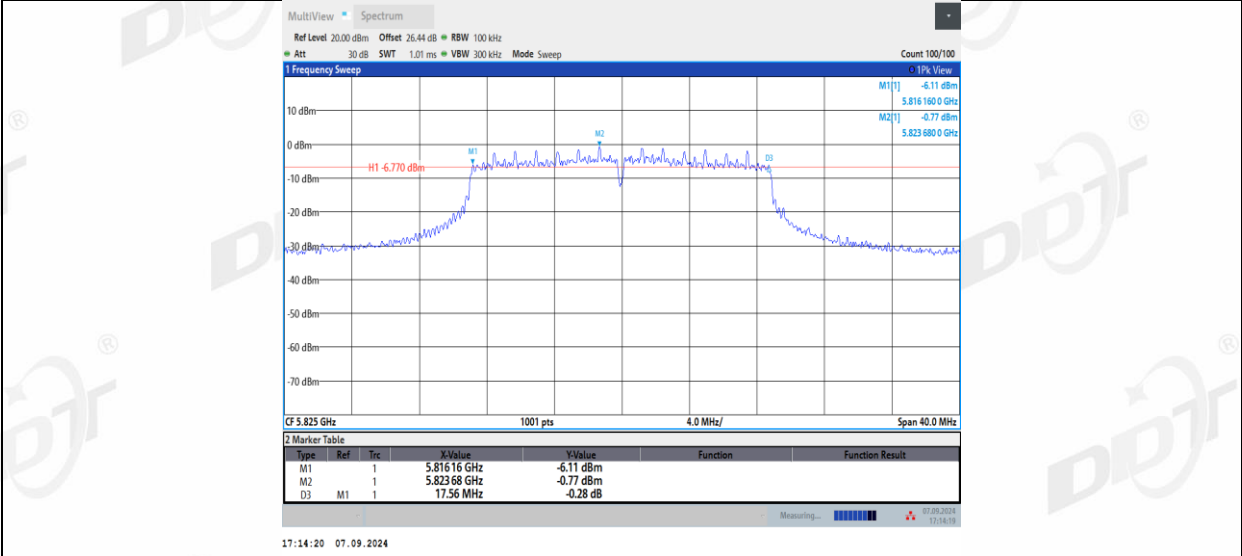
11N20MIMO_Ant2_5785



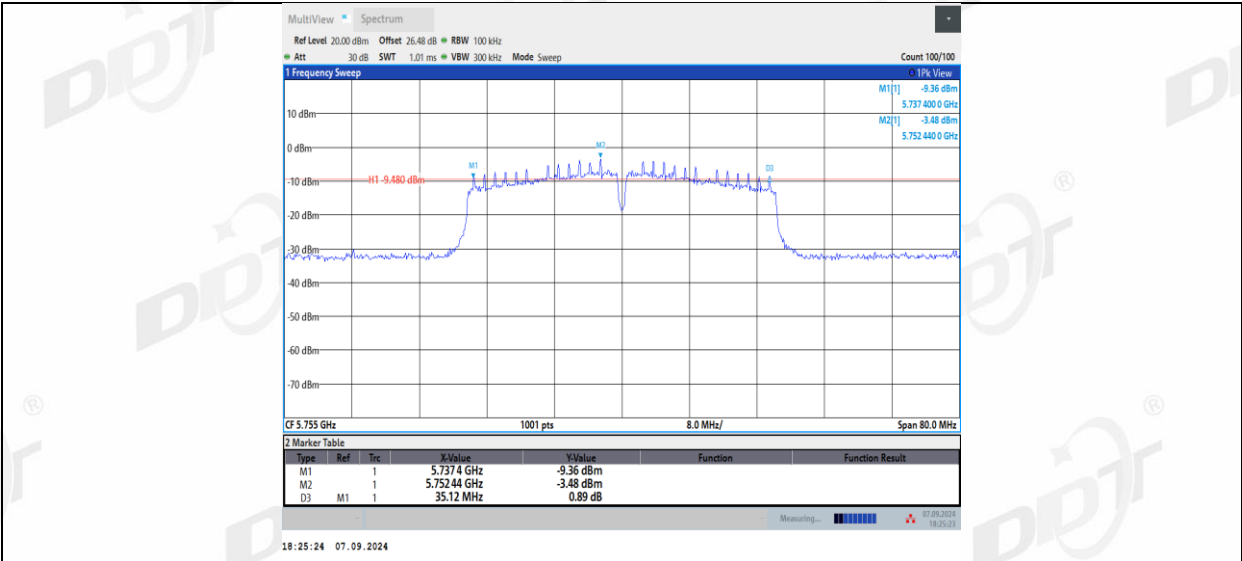
11N20MIMO_Ant1_5825



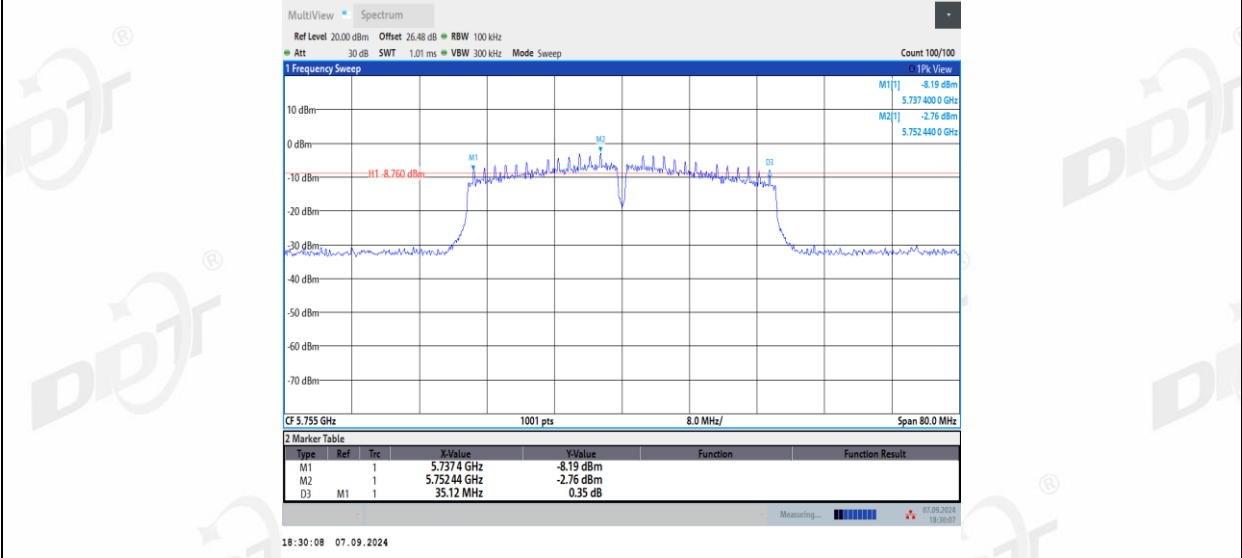
11N20MIMO_Ant2_5825



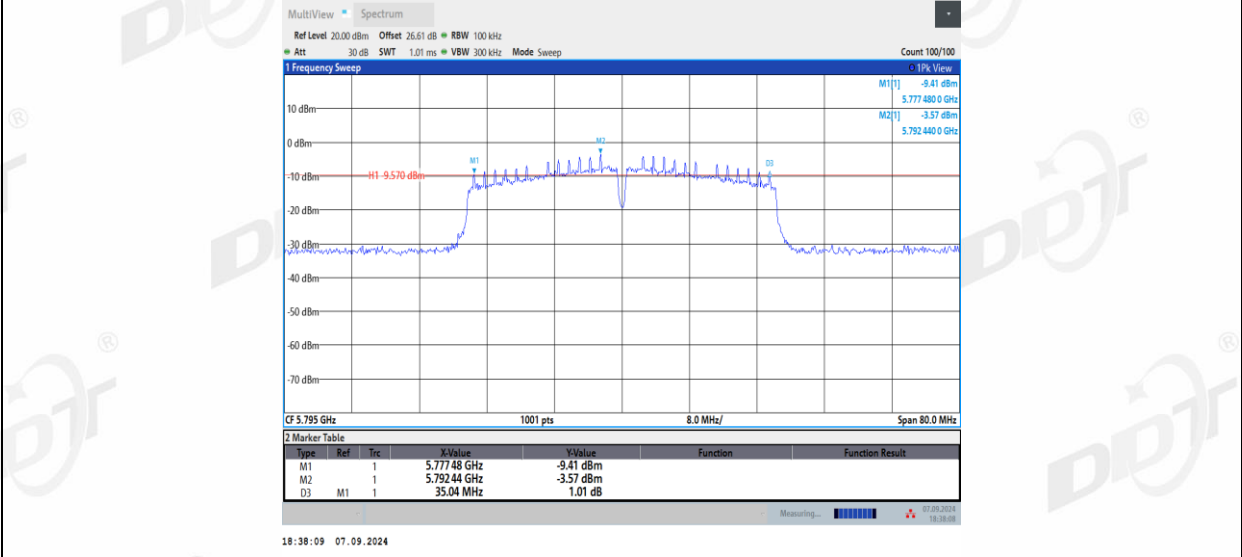
11N40MIMO_Ant1_5755



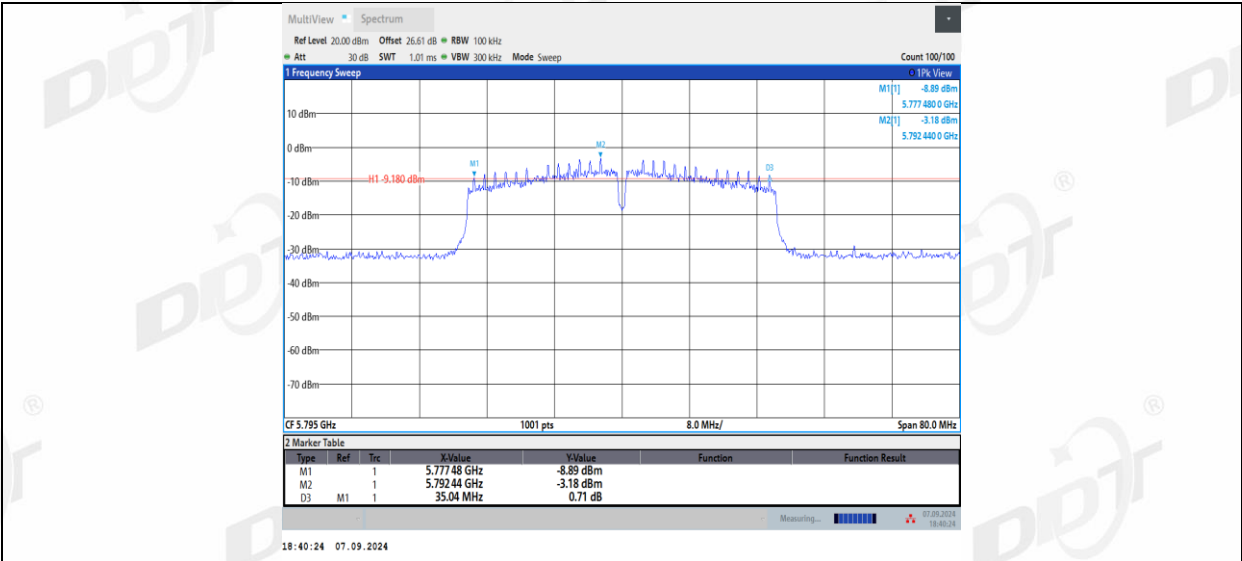
11N40MIMO_Ant2_5755



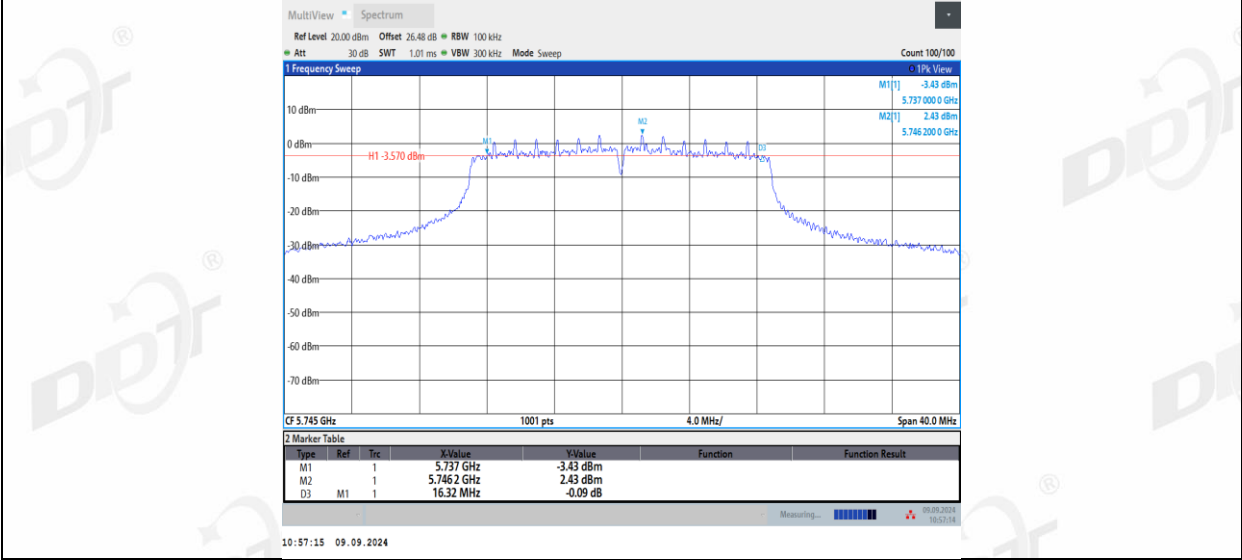
11N40MIMO_Ant1_5795



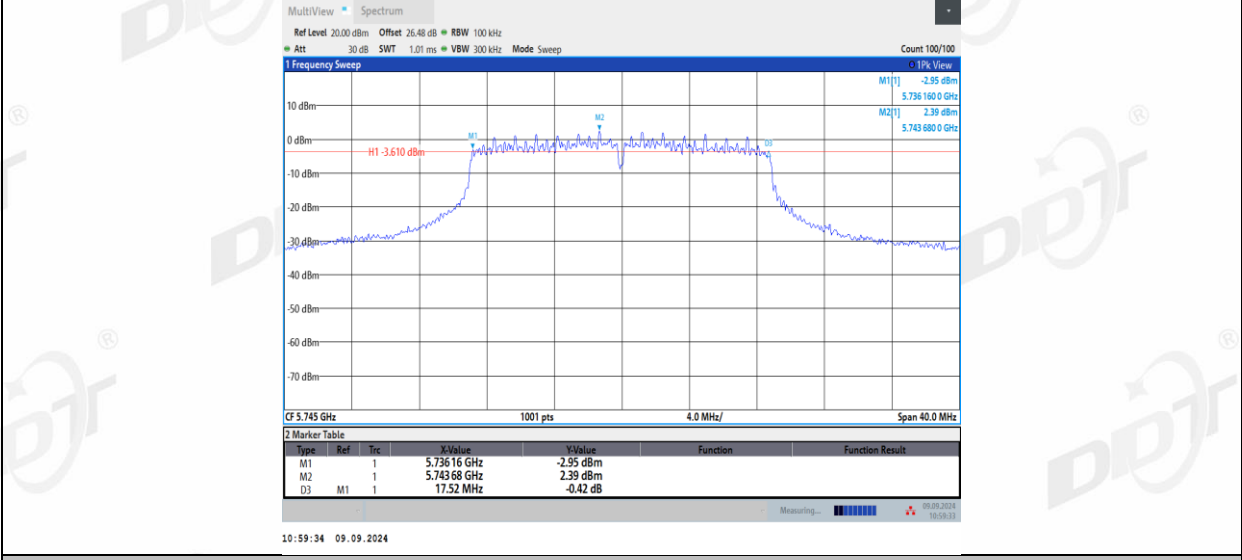
11N40MIMO_Ant2_5795



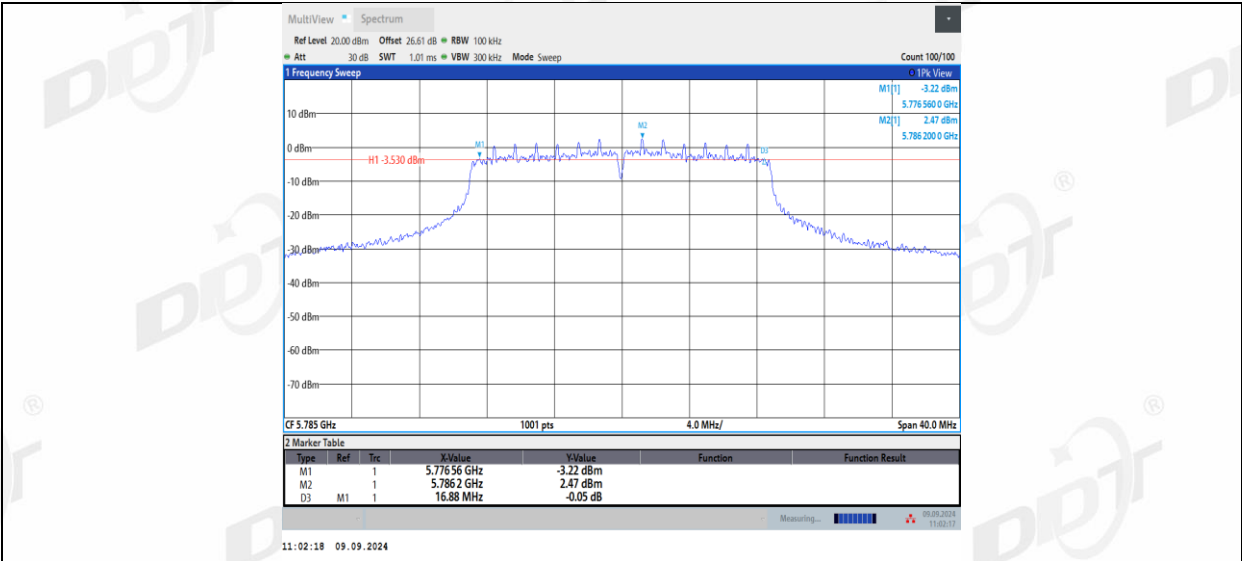
11AC20MIMO_Ant1_5745



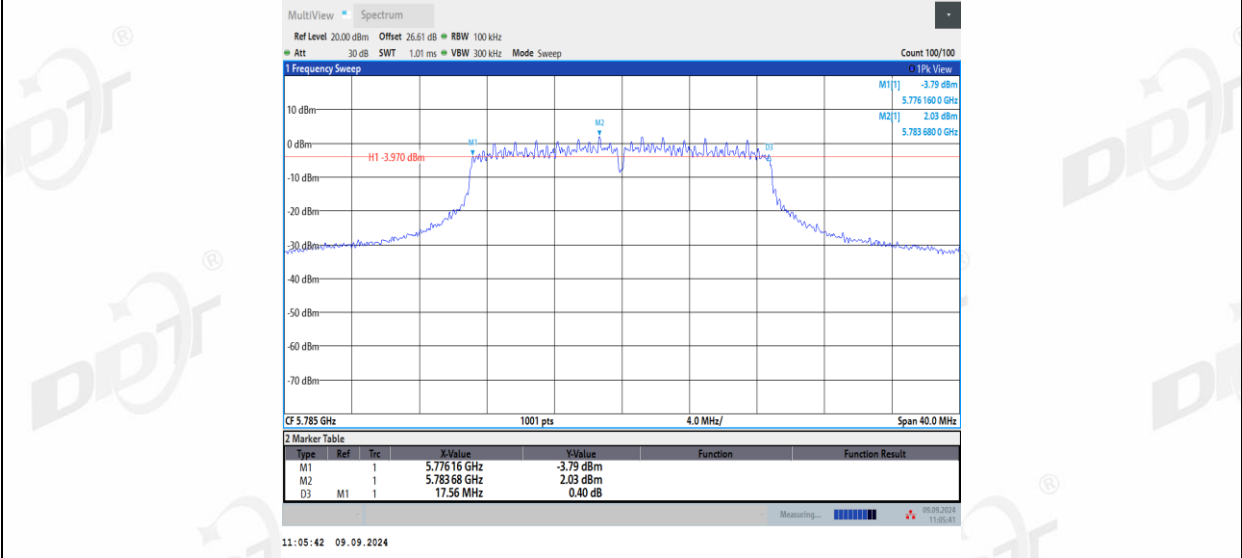
11AC20MIMO_Ant2_5745



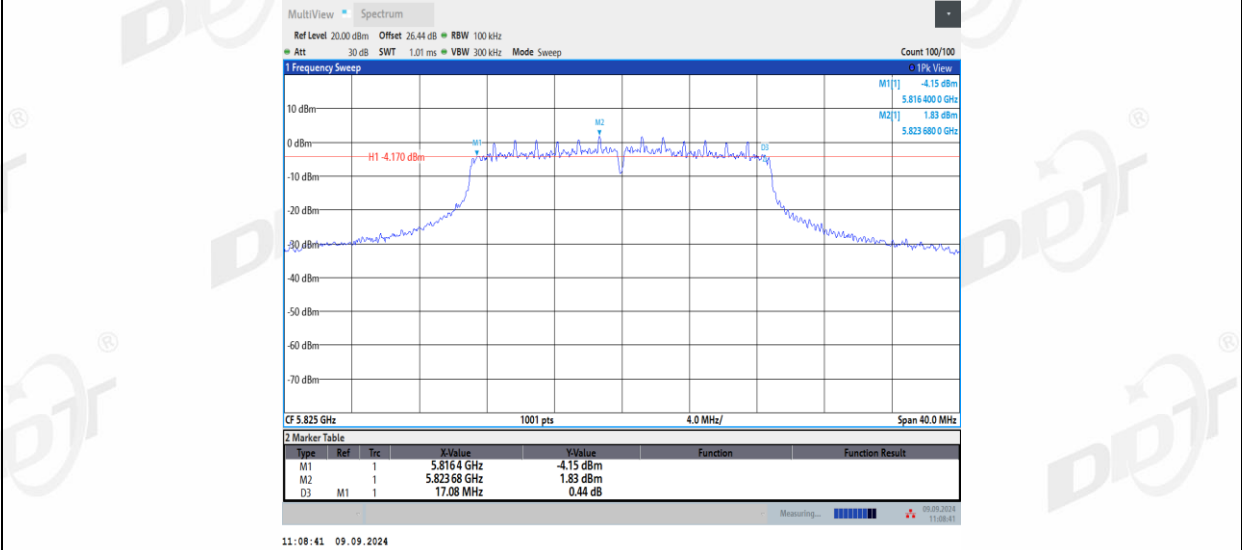
11AC20MIMO_Ant1_5785



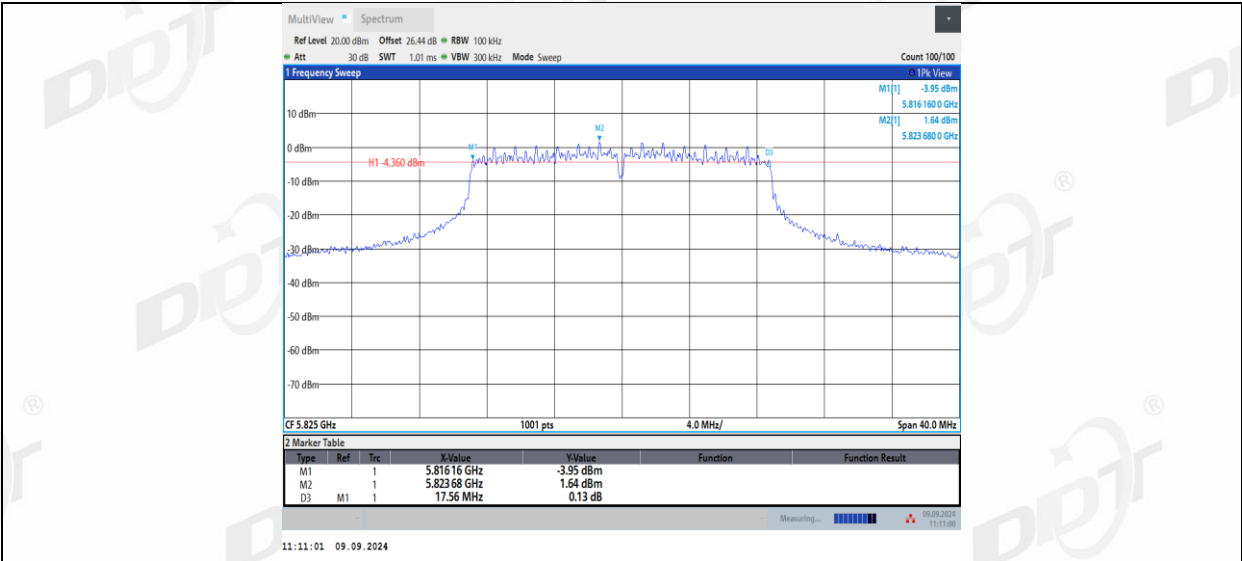
11AC20MIMO_Ant2_5785



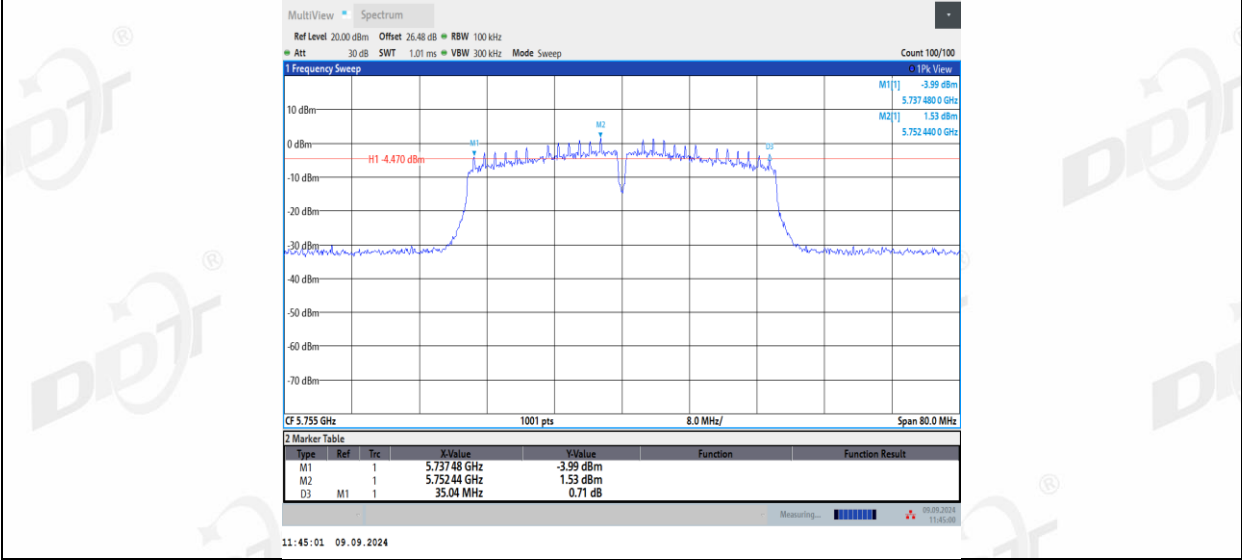
11AC20MIMO_Ant1_5825



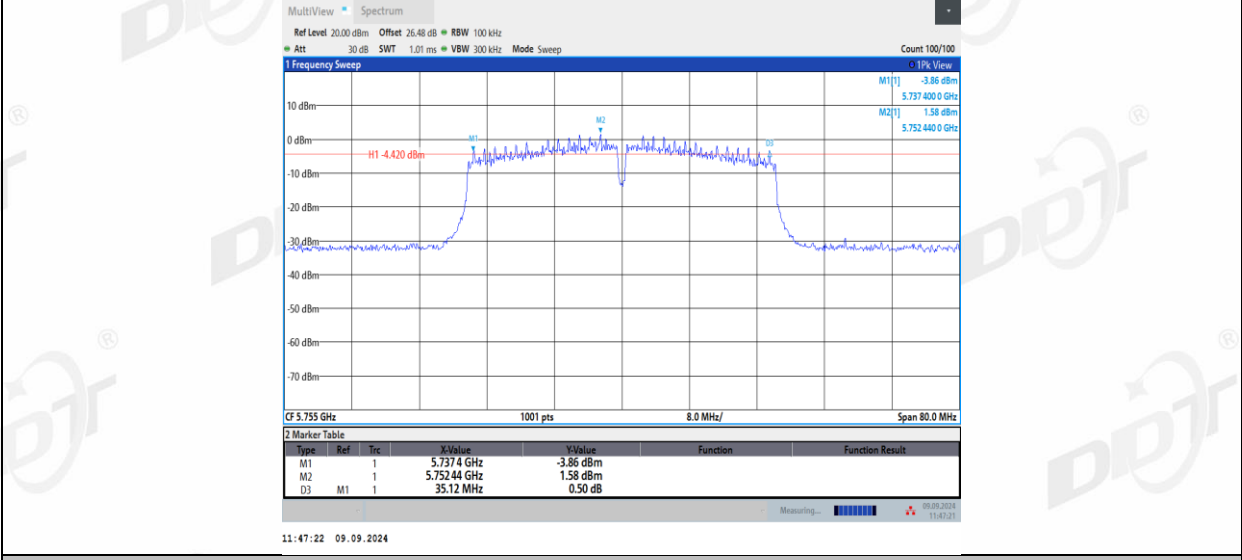
11AC20MIMO_Ant2_5825



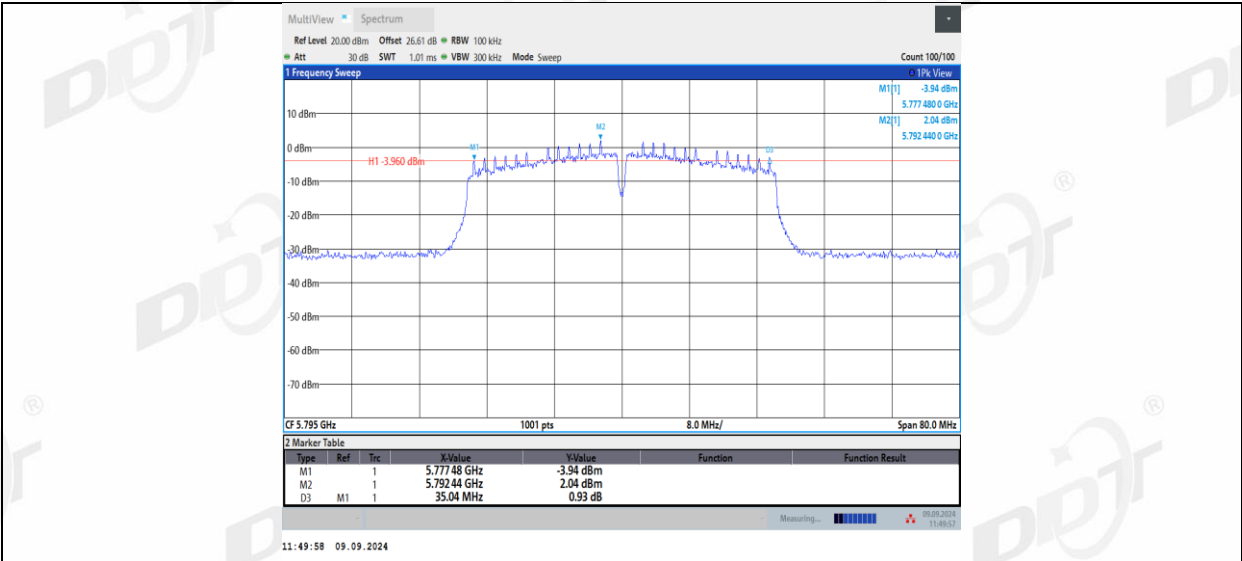
11AC40MIMO_Ant1_5755



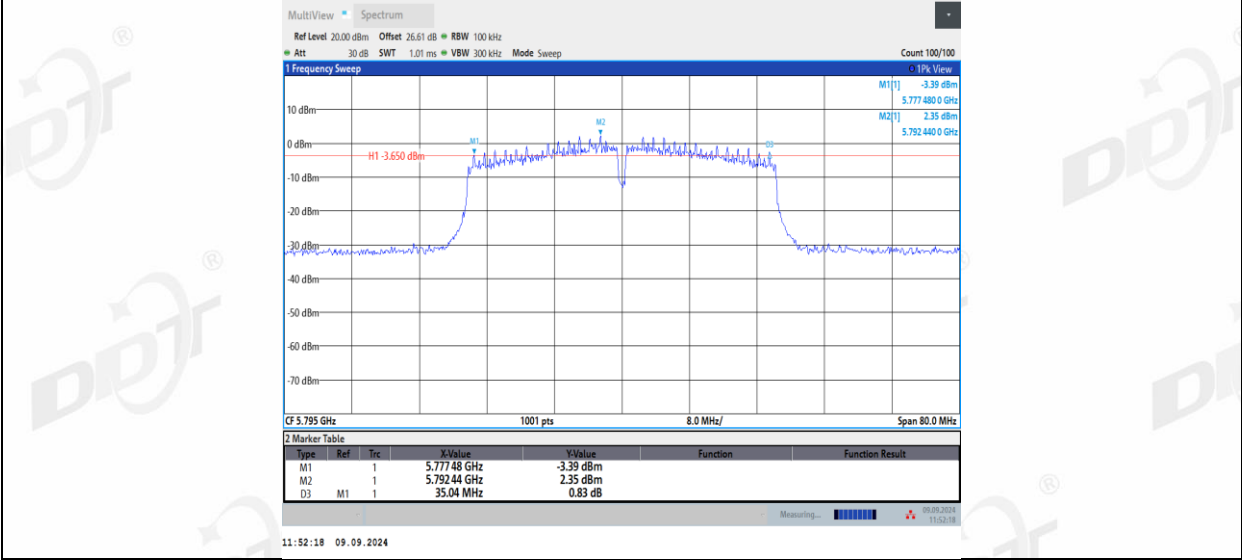
11AC40MIMO_Ant2_5755



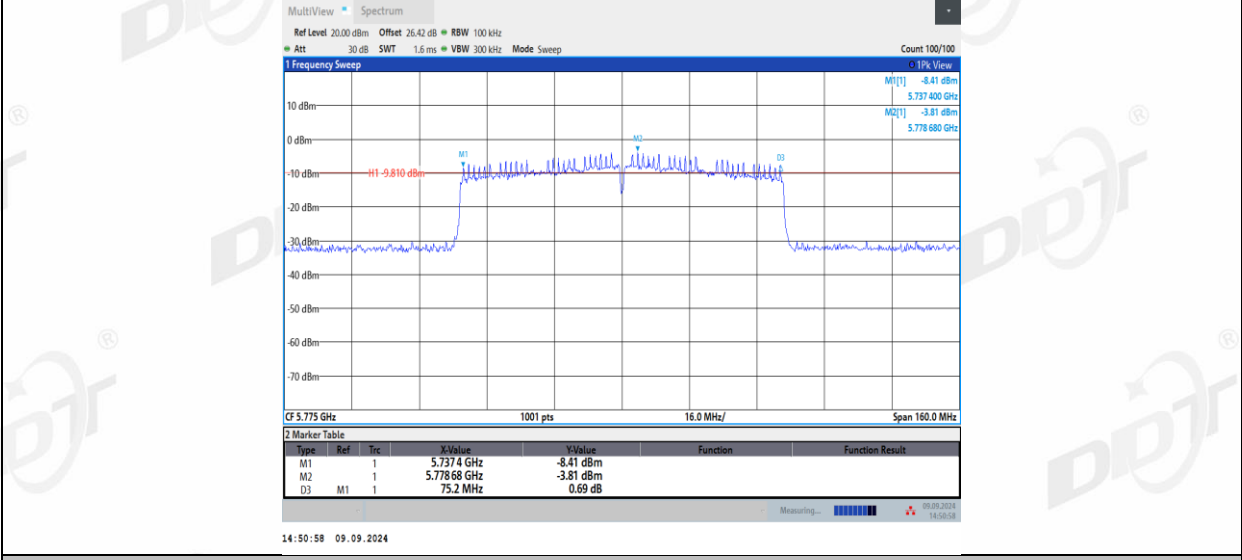
11AC40MIMO_Ant1_5795



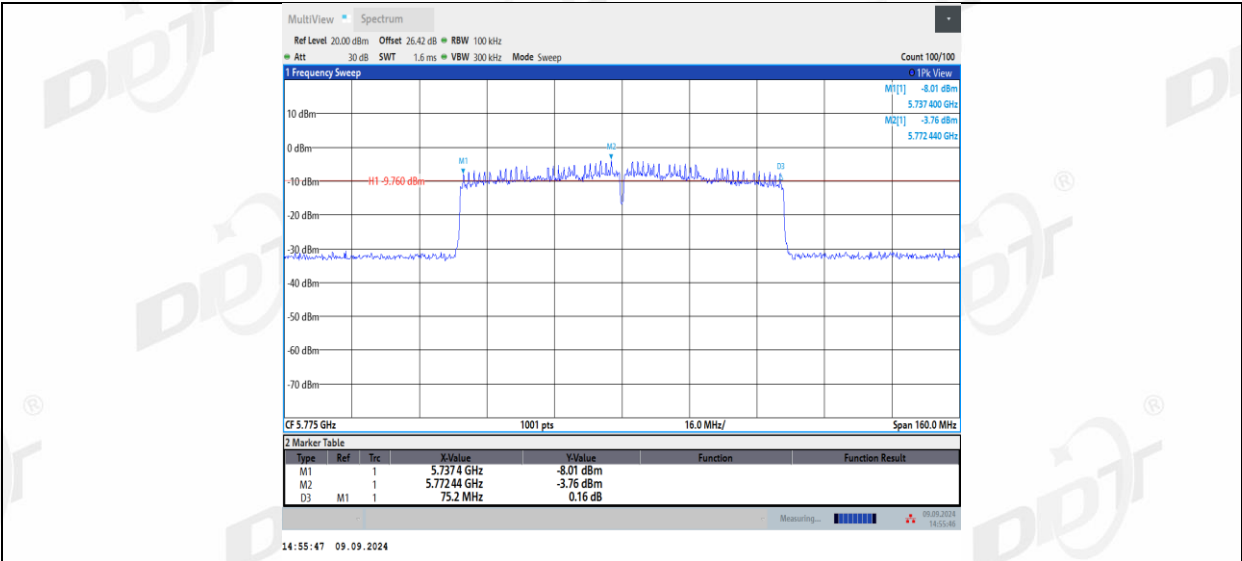
11AC40MIMO_Ant2_5795



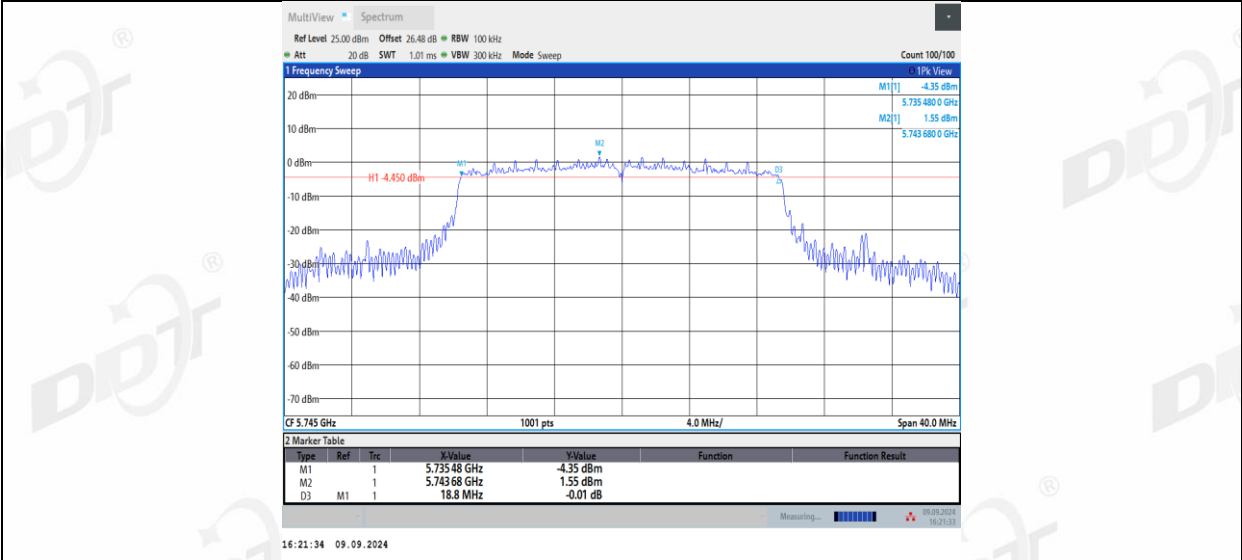
11AC80MIMO_Ant1_5775



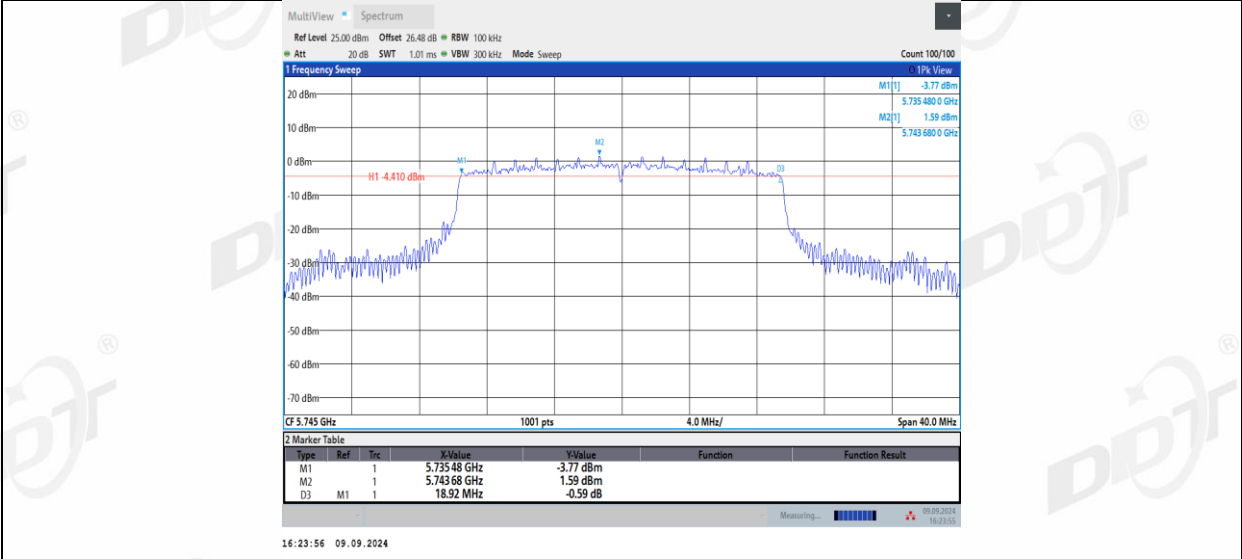
11AC80MIMO_Ant2_5775



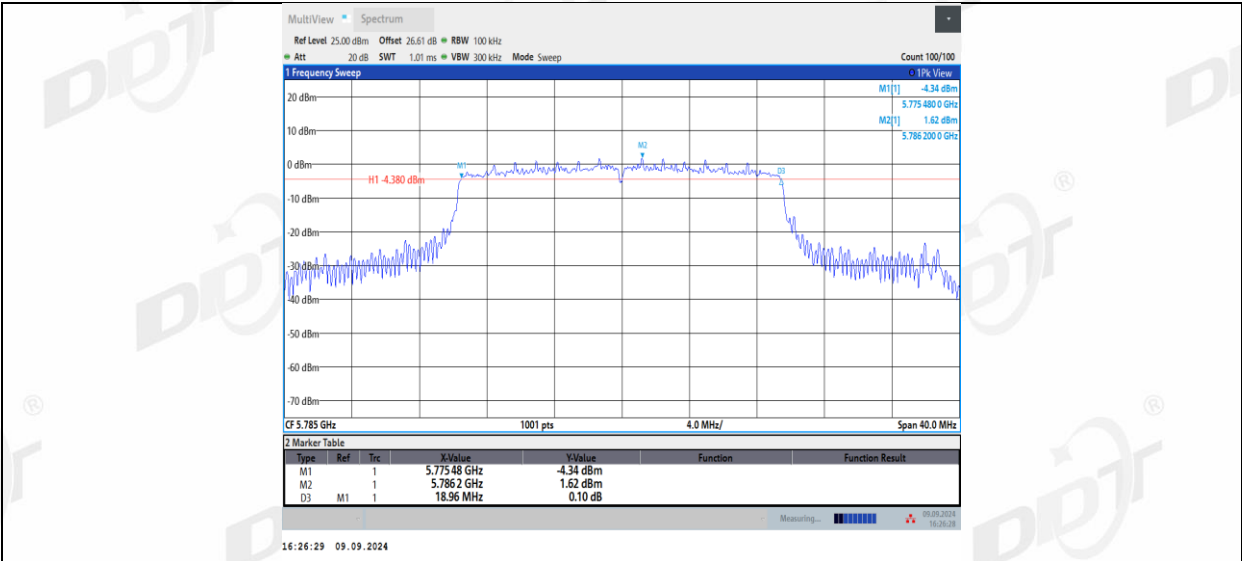
11AX20MIMO_Ant1_5745



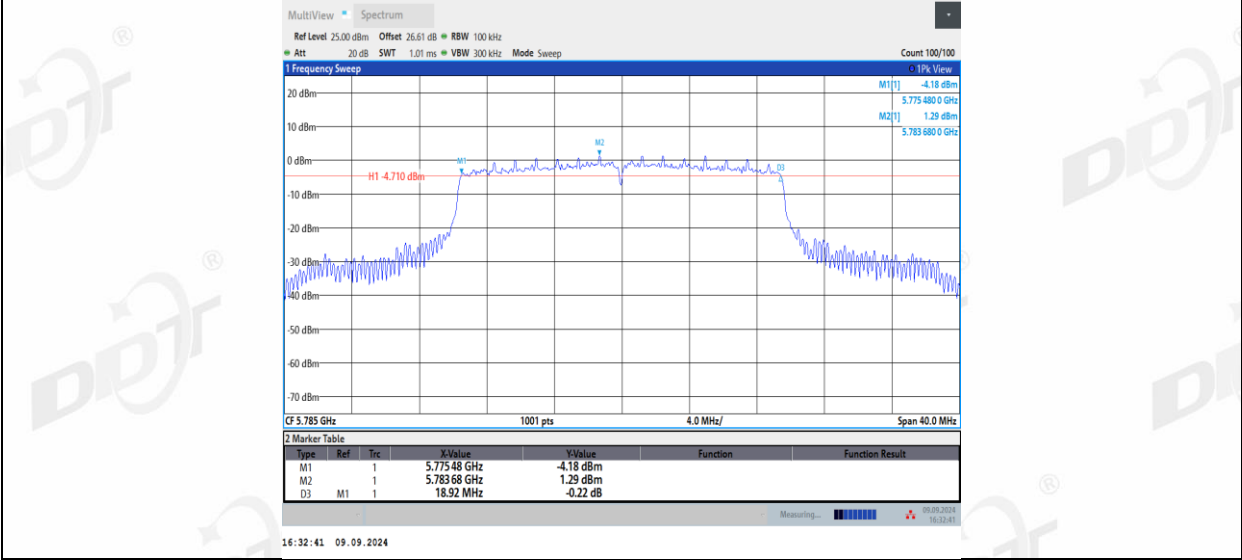
11AX20MIMO_Ant2_5745



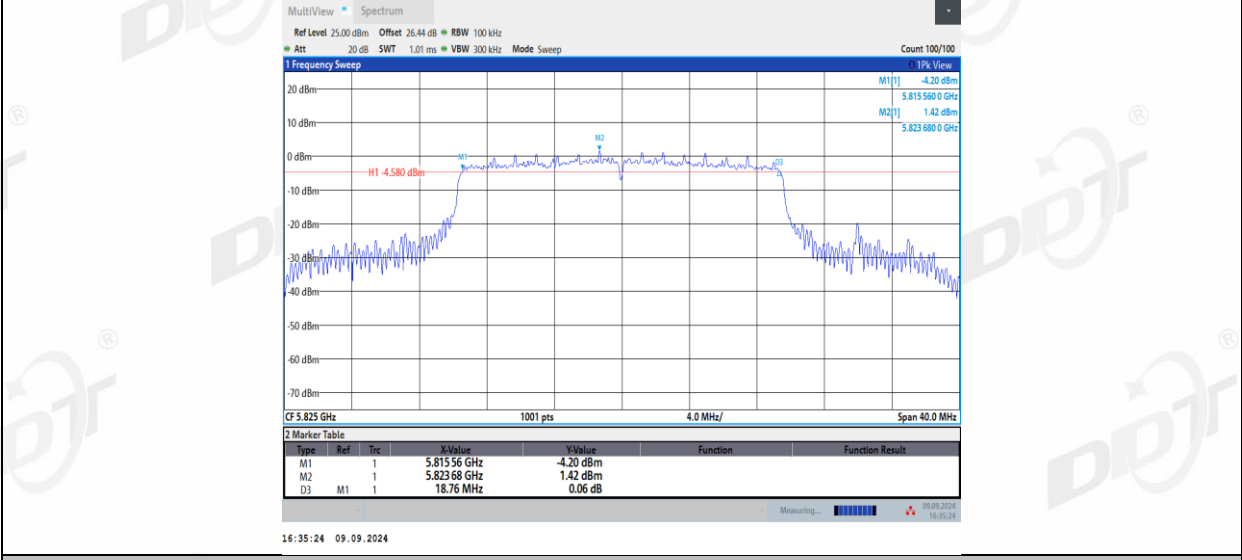
11AX20MIMO_Ant1_5785



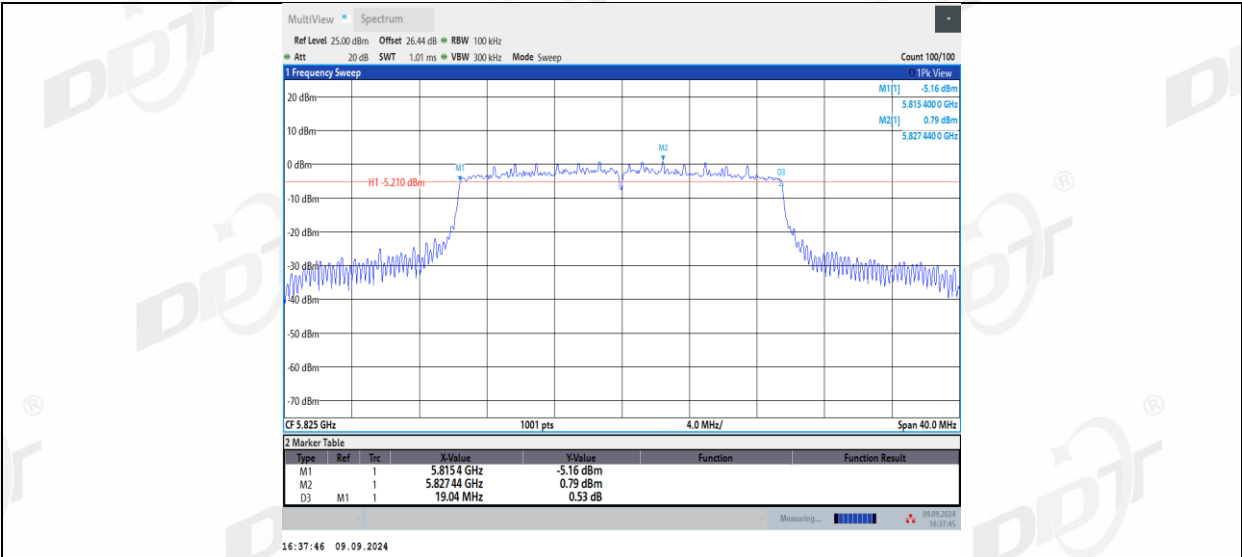
11AX20MIMO_Ant2_5785



11AX20MIMO_Ant1_5825



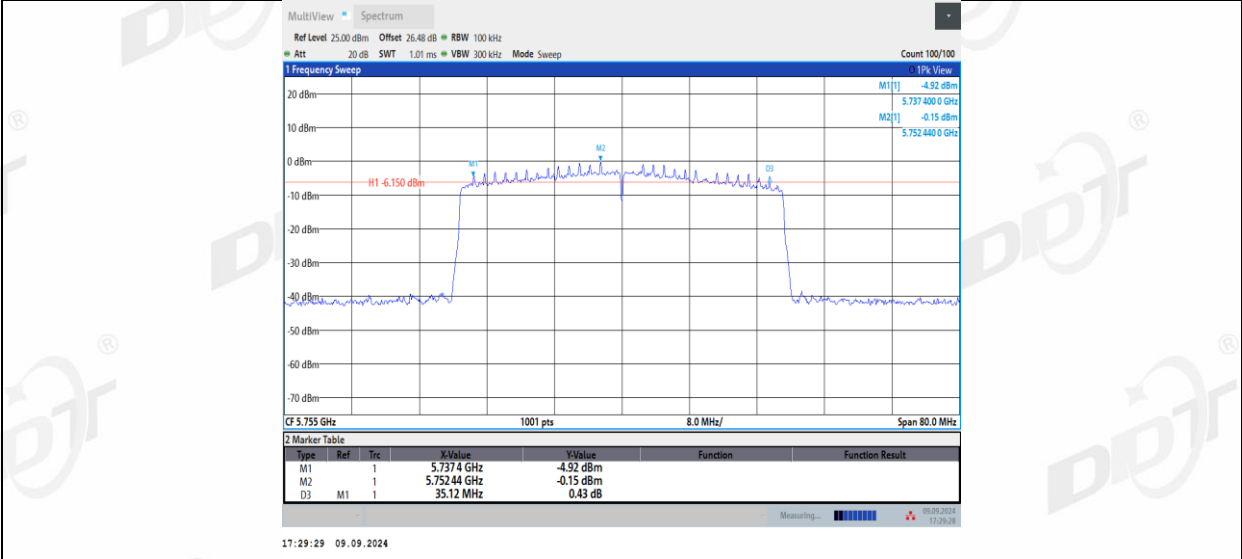
11AX20MIMO_Ant2_5825



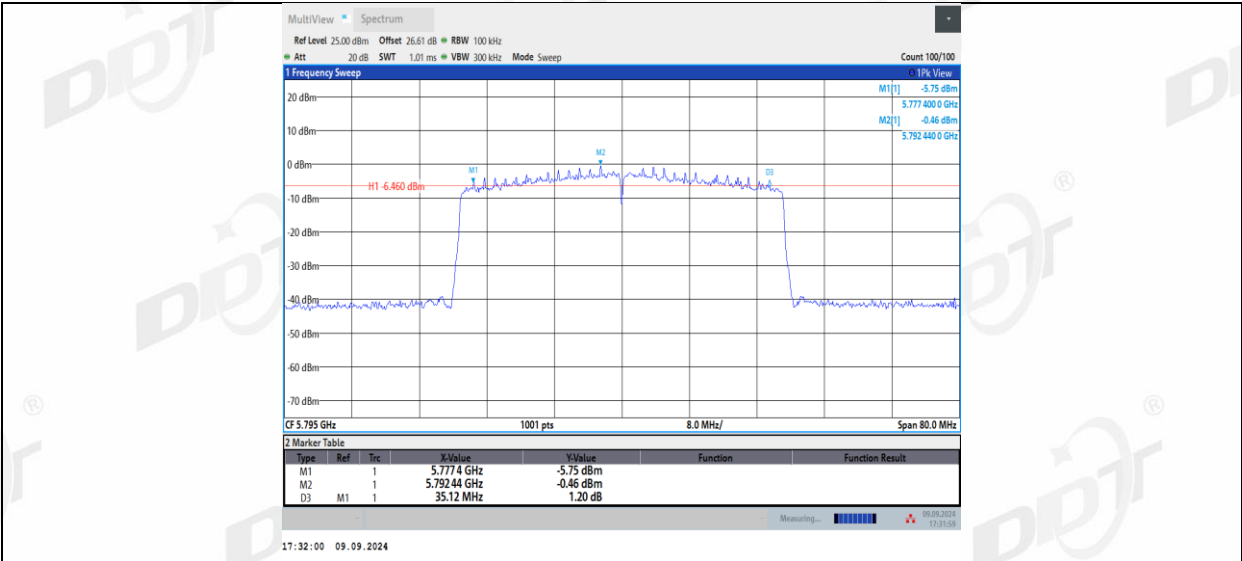
11AX40MIMO_Ant1_5755



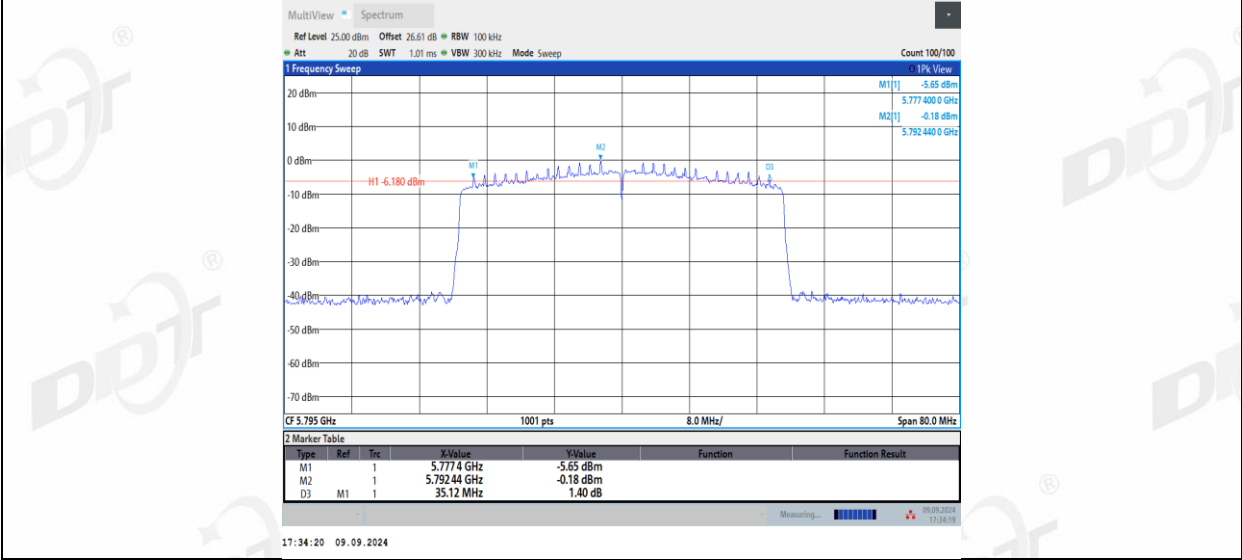
11AX40MIMO_Ant2_5755



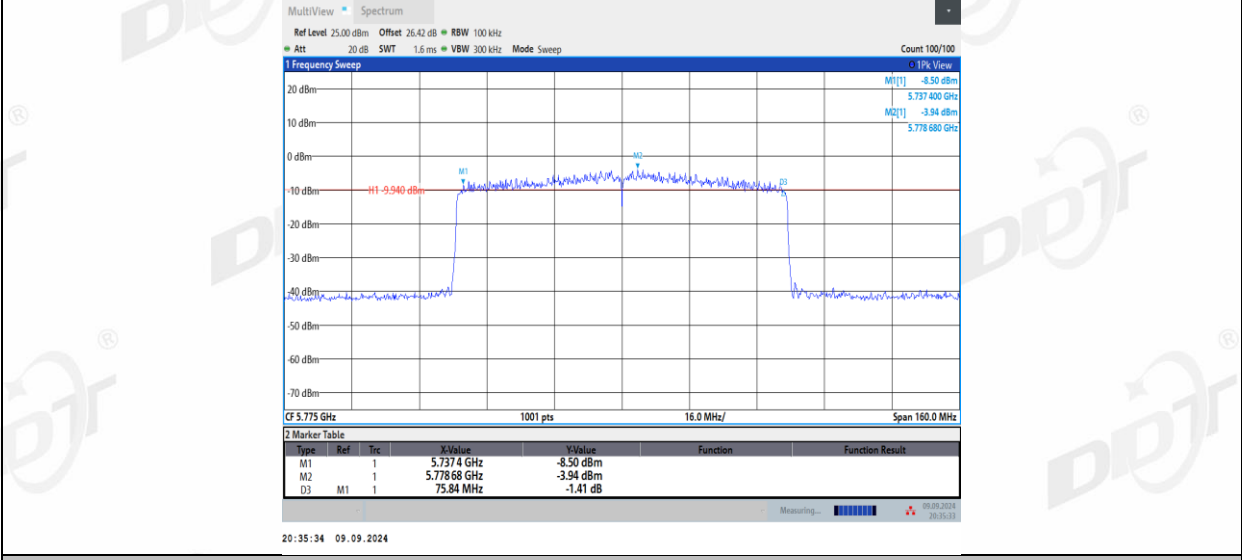
11AX40MIMO_Ant1_5795



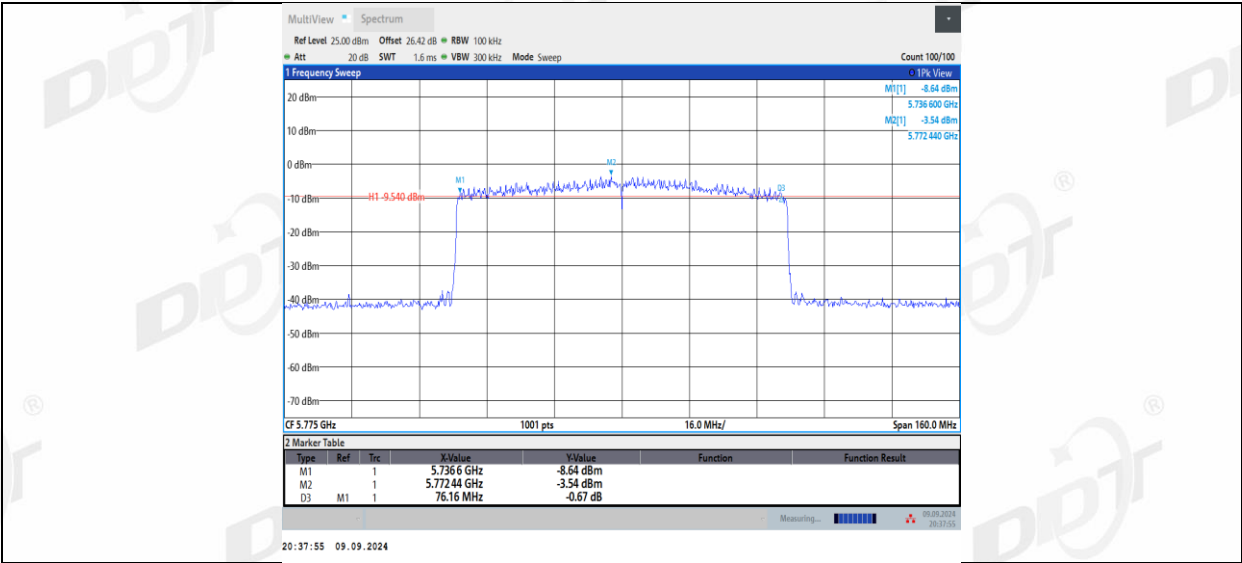
11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5775

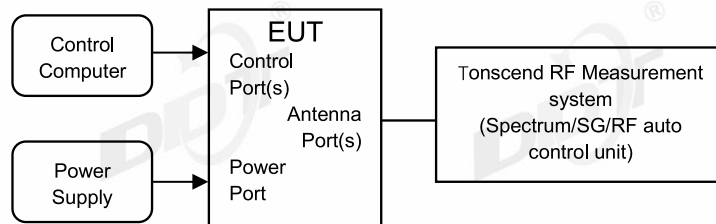


11AX80MIMO_Ant2_5775



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:	Zoe	Test Site:	RF Measurement System 4#
Ambient Condition:	25.6℃,48.1%RH	Test Date:	2024.09.07-2024.09.09
Test Power Supply:	AC 120V/60Hz	Sample Number:	S24081509-002

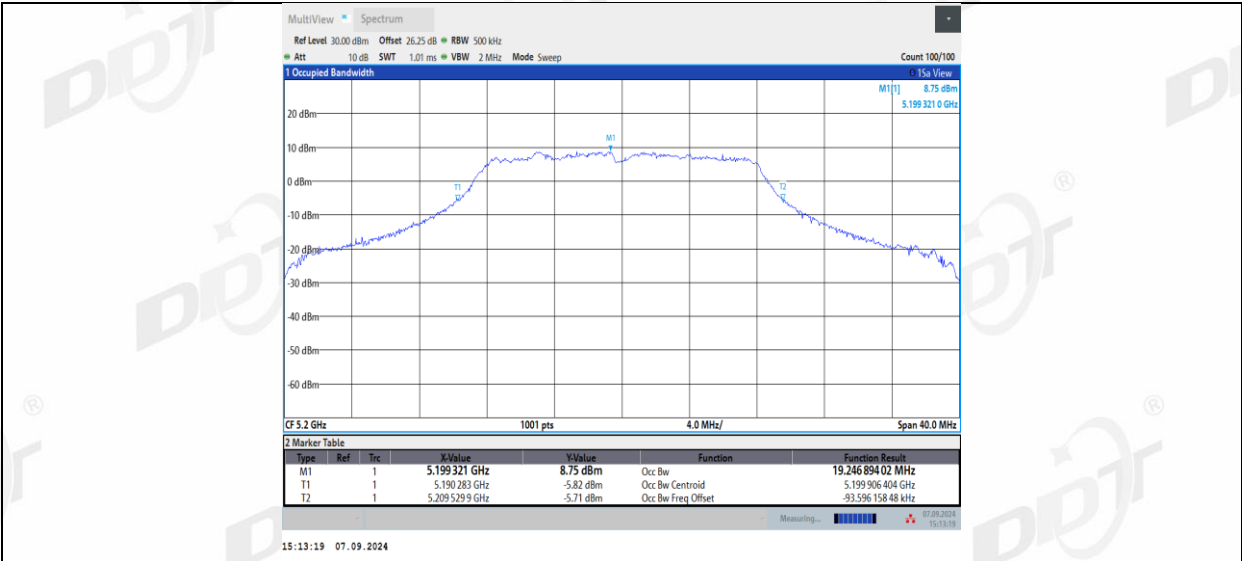
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	19.210	5170.3301	5189.5397	---	---
	Ant2	5180	19.241	5170.2907	5189.5318	---	---
	Ant1	5200	19.263	5190.2976	5209.5608	---	---
	Ant2	5200	19.247	5190.2830	5209.5299	---	---
	Ant1	5240	17.200	5231.3216	5248.5213	---	---
	Ant2	5240	17.207	5231.3144	5248.5212	---	---
	Ant1	5260	19.105	5250.3890	5269.4936	---	---
	Ant2	5260	19.140	5250.3842	5269.5247	---	---
	Ant1	5280	19.166	5270.2664	5289.4327	---	---
	Ant2	5280	19.177	5270.2887	5289.4661	---	---
	Ant1	5320	19.249	5310.1851	5329.4345	---	---
	Ant2	5320	19.263	5310.1783	5329.4411	---	---
	Ant1	5500	19.278	5490.3014	5509.5793	---	---
	Ant2	5500	19.253	5490.3265	5509.5800	---	---
	Ant1	5580	19.303	5570.2230	5589.5262	---	---
	Ant2	5580	19.314	5570.1842	5589.4979	---	---
	Ant1	5700	19.193	5690.3061	5709.4994	---	---
	Ant2	5700	19.150	5690.3602	5709.5105	---	---
	Ant1	5745	19.066	5735.2826	5754.3484	---	---
	Ant2	5745	19.092	5735.2711	5754.3633	---	---
	Ant1	5785	19.110	5775.3586	5794.4684	---	---
	Ant2	5785	19.044	5775.3846	5794.4288	---	---
	Ant1	5825	19.148	5815.3268	5834.4753	---	---
	Ant2	5825	19.145	5815.3077	5834.4522	---	---
11N20MIMO	Ant1	5180	20.115	5169.9365	5190.0513	---	---
	Ant2	5180	18.611	5170.5912	5189.2023	---	---
	Ant1	5200	20.105	5189.9555	5210.0604	---	---
	Ant2	5200	18.604	5190.5804	5209.1847	---	---
	Ant1	5240	18.000	5230.9452	5248.9454	---	---
	Ant2	5240	17.735	5231.0570	5248.7917	---	---
	Ant1	5260	20.057	5250.0139	5270.0707	---	---
	Ant2	5260	18.512	5250.6634	5269.1757	---	---
	Ant1	5280	20.098	5269.8950	5289.9927	---	---
	Ant2	5280	18.558	5270.5293	5289.0875	---	---
	Ant1	5320	20.104	5309.8453	5329.9494	---	---
	Ant2	5320	18.628	5310.5330	5329.1606	---	---
	Ant1	5500	20.126	5489.9607	5510.0869	---	---
	Ant2	5500	18.580	5490.5789	5509.1586	---	---
	Ant1	5580	20.134	5569.8996	5590.0339	---	---
	Ant2	5580	18.592	5570.5542	5589.1460	---	---
	Ant1	5700	20.061	5689.9489	5710.0102	---	---
	Ant2	5700	18.568	5690.5623	5709.1306	---	---
	Ant1	5745	19.98	5734.9479	5754.9278	---	---
	Ant2	5745	18.502	5735.5358	5754.0378	---	---
	Ant1	5785	19.995	5775.0097	5795.0049	---	---
	Ant2	5785	18.514	5775.6175	5794.1315	---	---
	Ant1	5825	20.109	5814.9106	5835.0200	---	---
	Ant2	5825	18.573	5815.5311	5834.1038	---	---
11N40MIMO	Ant1	5190	35.942	5172.0215	5207.9631	---	---
	Ant2	5190	35.977	5171.9654	5207.9420	---	---
	Ant1	5230	35.932	5212.0209	5247.9525	---	---
	Ant2	5230	36.023	5211.8790	5247.9019	---	---
	Ant1	5270	35.900	5252.0175	5287.9179	---	---
	Ant2	5270	35.905	5251.9874	5287.8928	---	---
	Ant1	5310	35.890	5291.9672	5327.8571	---	---

	Ant2	5310	35.975	5291.9417	5327.9170	---	---
	Ant1	5510	35.905	5492.0415	5527.9462	---	---
	Ant2	5510	36.047	5491.9711	5528.0177	---	---
	Ant1	5550	35.949	5531.9958	5567.9453	---	---
	Ant2	5550	36.041	5531.9042	5567.9449	---	---
	Ant1	5670	35.940	5652.0206	5687.9607	---	---
	Ant2	5670	35.990	5651.9986	5687.9890	---	---
	Ant1	5755	35.990	5736.9129	5772.9029	---	---
	Ant2	5755	36.035	5736.8574	5772.8925	---	---
	Ant1	5795	35.849	5777.0473	5812.8963	---	---
11AC20MIMO	Ant2	5795	35.915	5776.9701	5812.8850	---	---
	Ant1	5180	19.820	5170.0942	5189.9145	---	---
	Ant2	5180	18.319	5170.8674	5189.1869	---	---
	Ant1	5200	19.846	5190.0773	5209.9233	---	---
	Ant2	5200	18.343	5190.8605	5209.2031	---	---
	Ant1	5240	17.966	5230.9710	5248.9369	---	---
	Ant2	5240	17.616	5231.1364	5248.7522	---	---
	Ant1	5260	19.676	5250.1646	5269.8403	---	---
	Ant2	5260	18.199	5250.9361	5269.1352	---	---
	Ant1	5280	19.705	5270.0601	5289.7655	---	---
	Ant2	5280	18.202	5270.8638	5289.0656	---	---
	Ant1	5320	19.766	5309.9908	5329.7566	---	---
	Ant2	5320	18.317	5310.8238	5329.1413	---	---
	Ant1	5500	19.845	5490.0795	5509.9248	---	---
	Ant2	5500	18.304	5490.8975	5509.2015	---	---
	Ant1	5580	19.788	5570.0610	5589.8489	---	---
	Ant2	5580	18.234	5570.8806	5589.1147	---	---
	Ant1	5700	19.785	5690.0655	5709.8505	---	---
	Ant2	5700	18.296	5690.8439	5709.1402	---	---
	Ant1	5745	19.616	5735.0638	5754.6797	---	---
	Ant2	5745	18.149	5735.8718	5754.0209	---	---
	Ant1	5785	19.651	5775.1694	5794.8202	---	---
	Ant2	5785	18.181	5775.9326	5794.1133	---	---
	Ant1	5825	19.691	5815.0864	5834.7773	---	---
	Ant2	5825	18.188	5815.8807	5834.0687	---	---
11AC40MIMO	Ant1	5190	35.855	5172.0345	5207.8894	---	---
	Ant2	5190	36.175	5171.9377	5208.1126	---	---
	Ant1	5230	35.800	5212.0680	5247.8678	---	---
	Ant2	5230	36.140	5211.8643	5248.0041	---	---
	Ant1	5270	35.781	5252.0499	5287.8308	---	---
	Ant2	5270	36.023	5251.9678	5287.9909	---	---
	Ant1	5310	35.769	5292.0340	5327.8033	---	---
	Ant2	5310	36.095	5291.9060	5328.0010	---	---
	Ant1	5510	35.862	5492.0405	5527.9027	---	---
	Ant2	5510	36.161	5491.9371	5528.0981	---	---
	Ant1	5550	35.838	5532.0417	5567.8799	---	---
	Ant2	5550	36.105	5531.9058	5568.0105	---	---
	Ant1	5670	35.861	5652.0427	5687.9037	---	---
	Ant2	5670	36.066	5651.9750	5688.0414	---	---
	Ant1	5755	35.905	5736.9754	5772.8808	---	---
	Ant2	5755	36.090	5736.8619	5772.9519	---	---
	Ant1	5795	35.811	5777.0644	5812.8752	---	---
	Ant2	5795	36.063	5776.9599	5813.0225	---	---
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	Ant2	5210	74.877	5172.5648	5247.4423	---	---
	Ant1	5290	75.119	5252.3767	5327.4956	---	---
	Ant2	5290	74.914	5252.4956	5327.4098	---	---
	Ant1	5530	75.178	5492.3958	5567.5741	---	---
	Ant2	5530	74.853	5492.6109	5567.4643	---	---
	Ant1	5610	75.152	5572.3933	5647.5451	---	---
	Ant2	5610	74.962	5572.5068	5647.4690	---	---
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	Ant2	5775	75.074	5737.3249	5812.3987	---	---

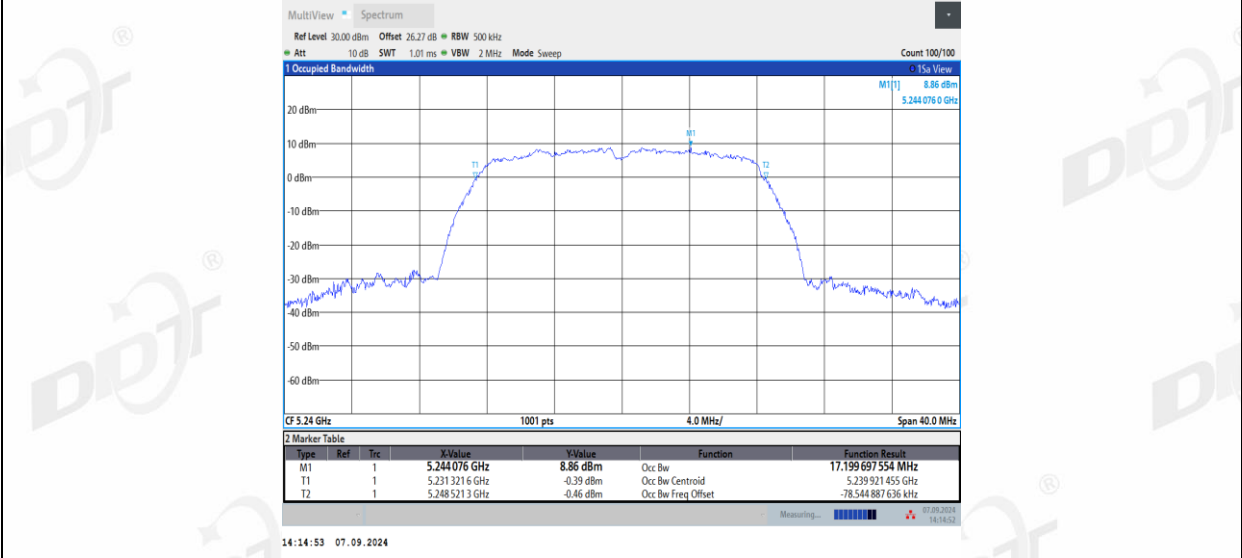
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	Ant1	5200	19.415	5190.2667	5209.6818	---	---
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	Ant1	5240	18.904	5230.5019	5249.4060	---	---
	Ant2	5240	18.899	5230.5025	5249.4016	---	---
	Ant1	5260	19.320	5250.2898	5269.6093	---	---
	Ant2	5260	19.294	5250.3355	5269.6294	---	---
	Ant1	5280	19.394	5270.2603	5289.6539	---	---
	Ant2	5280	19.293	5270.2863	5289.5791	---	---
	Ant1	5320	19.359	5310.2551	5329.6141	---	---
	Ant2	5320	19.321	5310.2827	5329.6041	---	---
	Ant1	5500	19.414	5490.2558	5509.6698	---	---
	Ant2	5500	19.318	5490.2823	5509.6002	---	---
	Ant1	5580	19.401	5570.2455	5589.6462	---	---
	Ant2	5580	19.274	5570.3019	5589.5757	---	---
	Ant1	5700	19.450	5690.2090	5709.6595	---	---
	Ant2	5700	19.314	5690.3036	5709.6171	---	---
	Ant1	5745	19.327	5735.2563	5754.5832	---	---
	Ant2	5745	19.262	5735.2943	5754.5566	---	---
	Ant1	5785	19.368	5775.2567	5794.6244	---	---
	Ant2	5785	19.312	5775.3127	5794.6248	---	---
	Ant1	5825	19.323	5815.2804	5834.6031	---	---
	Ant2	5825	19.324	5815.2755	5834.5991	---	---
11AX40MIMO	Ant1	5190	37.619	5171.1524	5208.7711	---	---
	Ant2	5190	37.65	5171.1789	5208.8290	---	---
	Ant1	5230	37.626	5211.1587	5248.7844	---	---
	Ant2	5230	37.657	5211.0875	5248.7449	---	---
	Ant1	5270	37.645	5251.1655	5288.8106	---	---
	Ant2	5270	37.509	5251.2034	5288.7128	---	---
	Ant1	5310	37.605	5291.1322	5328.7370	---	---
	Ant2	5310	37.670	5291.1089	5328.7791	---	---
	Ant1	5510	37.565	5491.1830	5528.7482	---	---
	Ant2	5510	37.626	5491.1809	5528.8073	---	---
	Ant1	5550	37.623	5531.1672	5568.7899	---	---
	Ant2	5550	37.631	5531.0966	5568.7274	---	---
	Ant1	5670	37.559	5651.1762	5688.7348	---	---
	Ant2	5670	37.597	5651.1754	5688.7723	---	---
	Ant1	5755	37.657	5736.0856	5773.7426	---	---
	Ant2	5755	37.623	5736.0975	5773.7210	---	---
	Ant1	5795	37.574	5776.1300	5813.7043	---	---
	Ant2	5795	37.605	5776.1228	5813.7274	---	---
11AX80MIMO	Ant1	5210	76.971	5171.5060	5248.4770	---	---
	Ant2	5210	76.869	5171.4808	5248.3495	---	---
	Ant1	5290	76.938	5251.5003	5328.4380	---	---
	Ant2	5290	76.994	5251.3836	5328.3772	---	---
	Ant1	5530	77.038	5491.5005	5568.5381	---	---
	Ant2	5530	76.873	5491.5646	5568.4376	---	---
	Ant1	5610	76.883	5571.5522	5648.4354	---	---
	Ant2	5610	77.056	5571.4063	5648.4624	---	---
	Ant1	5775	77.158	5736.3883	5813.5459	---	---
	Ant2	5775	77.187	5736.1868	5813.3742	---	---

6.5. Test graphs

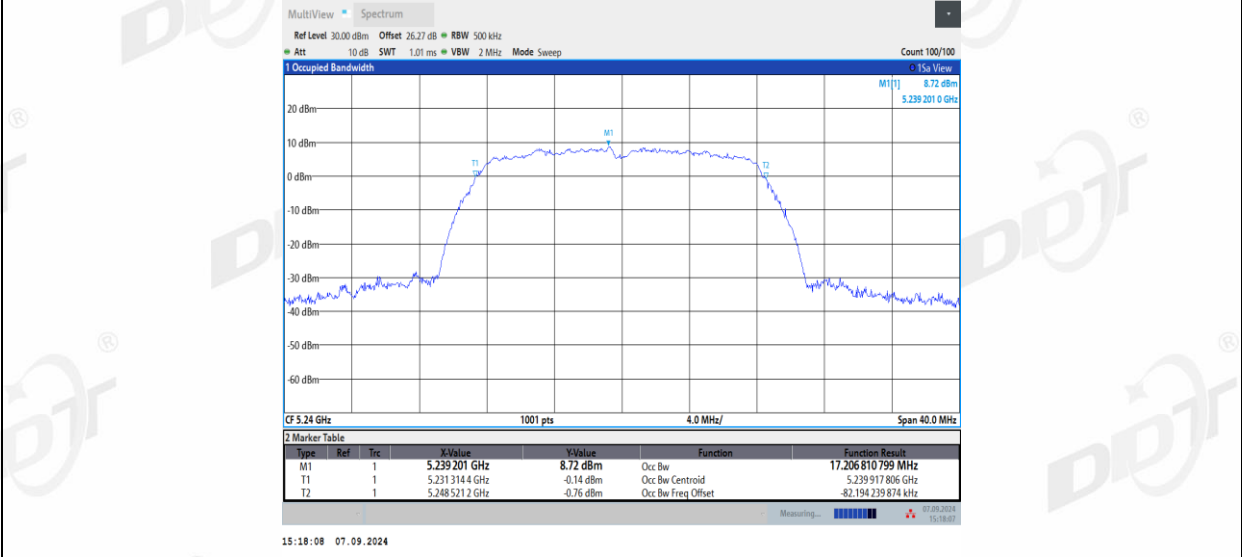




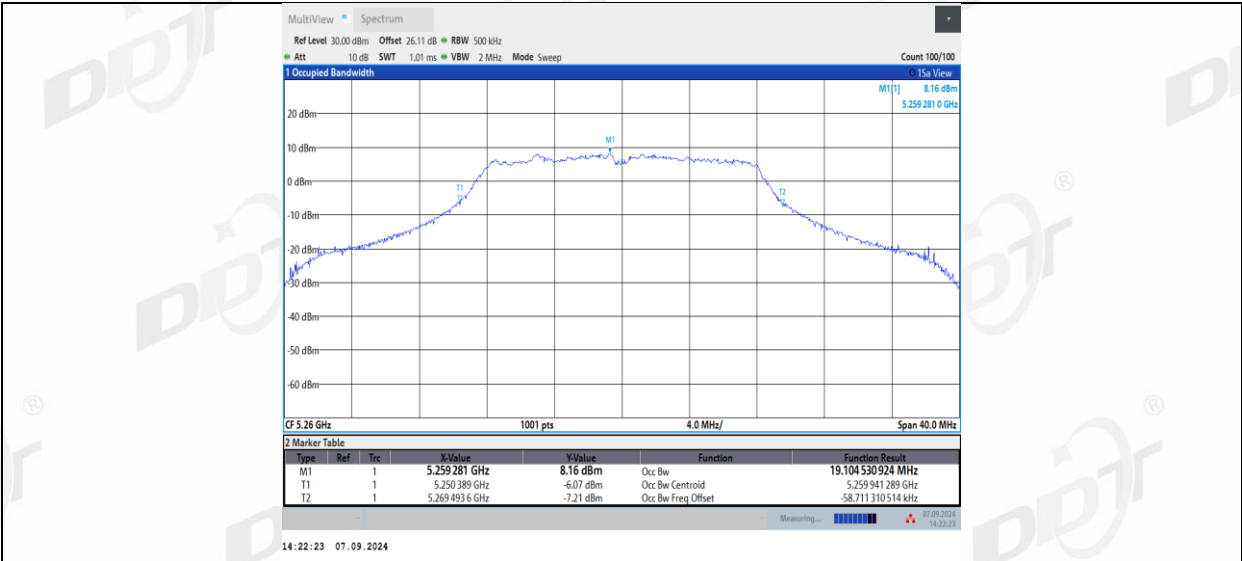
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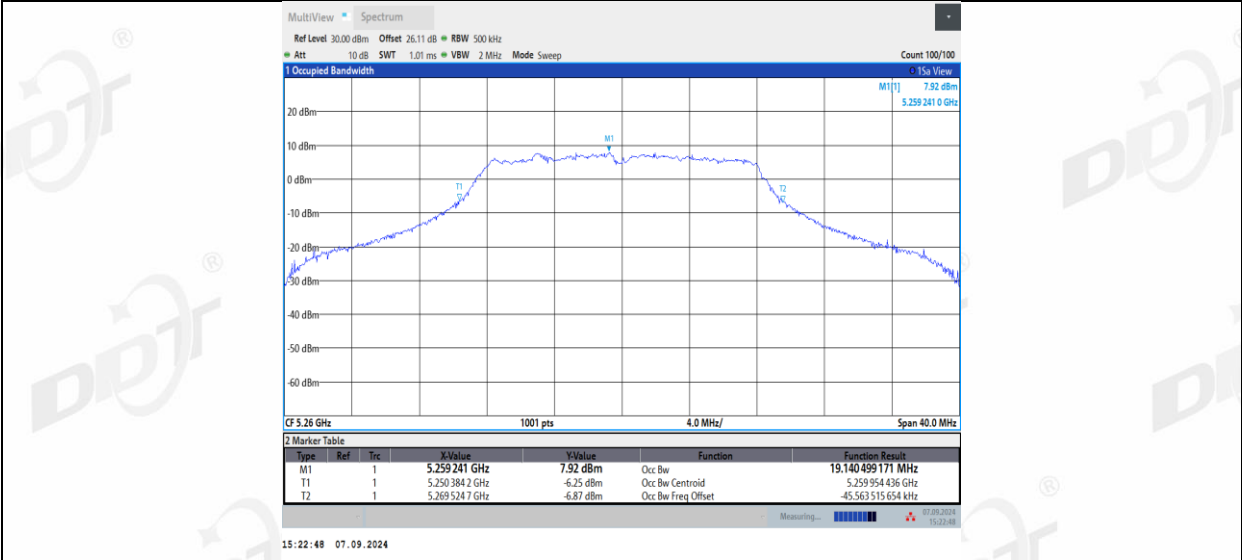
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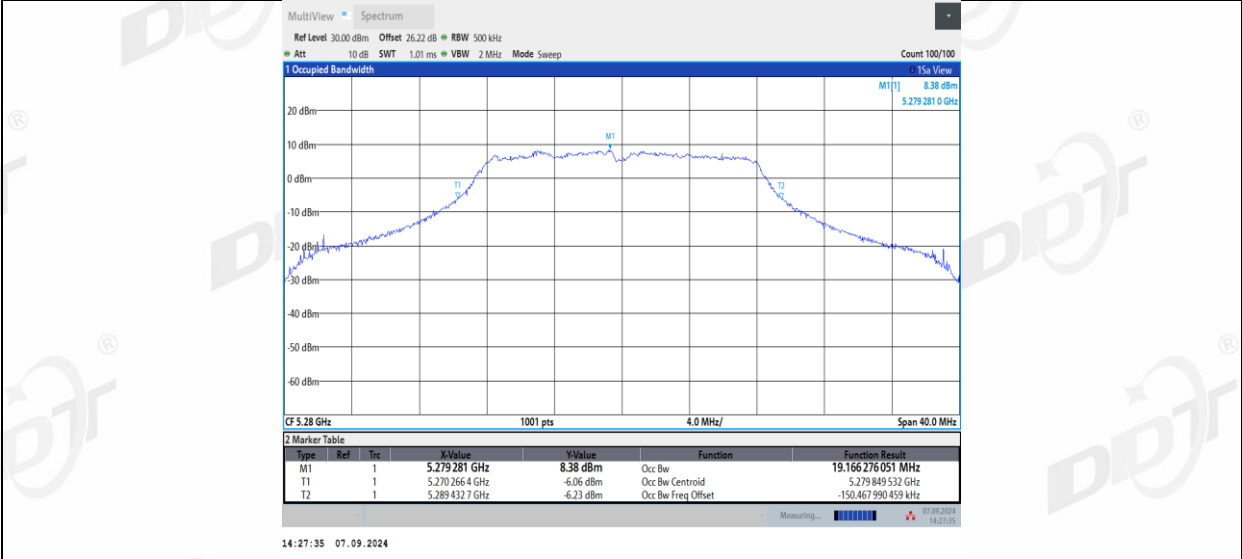
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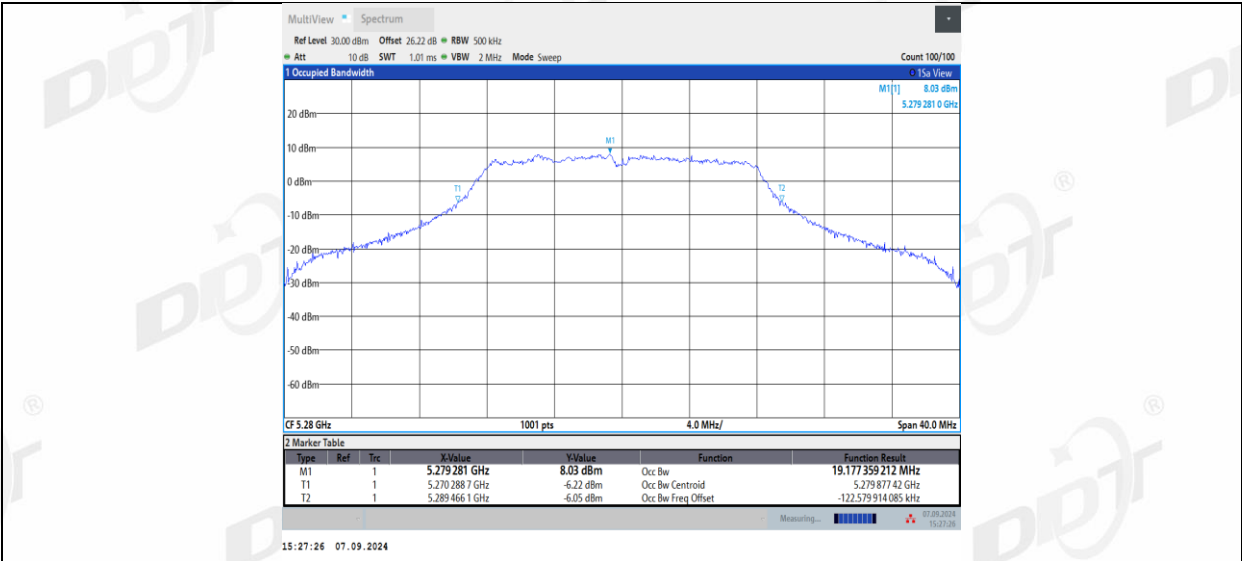
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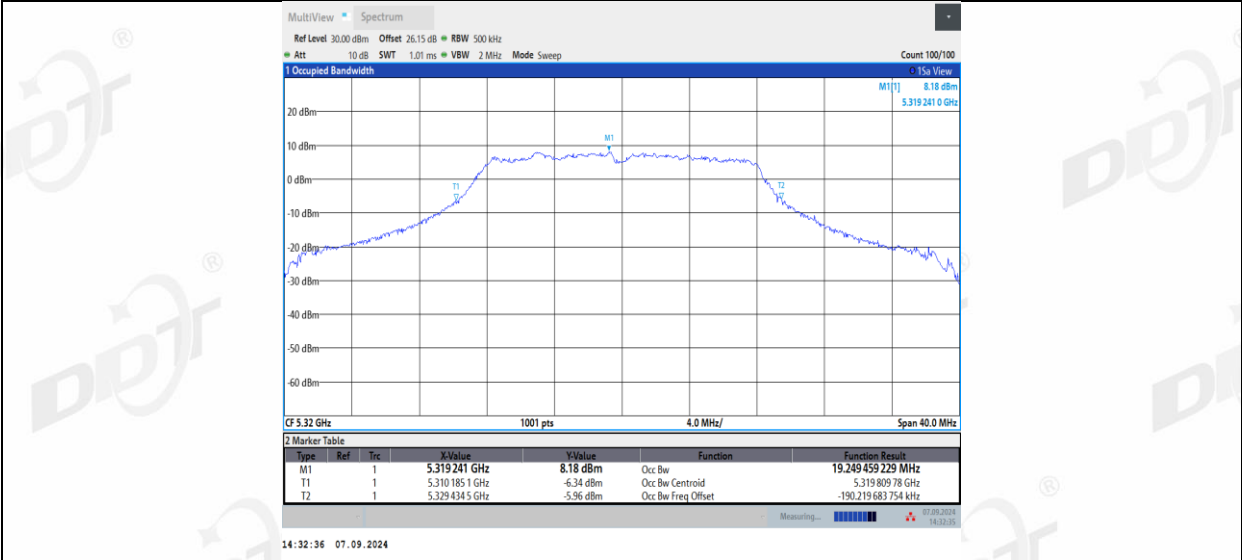
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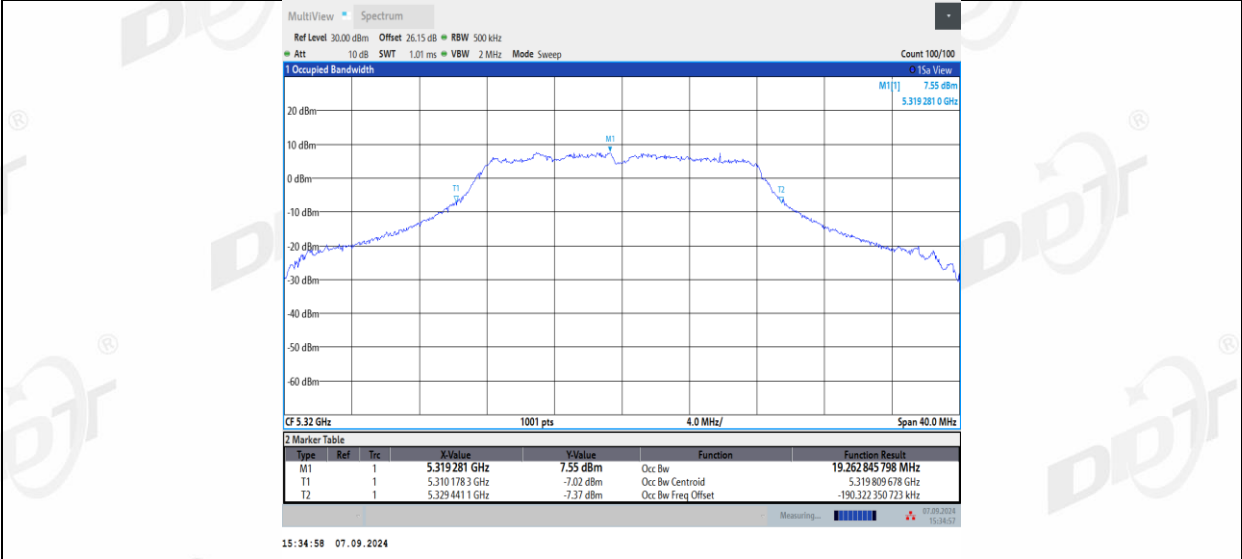
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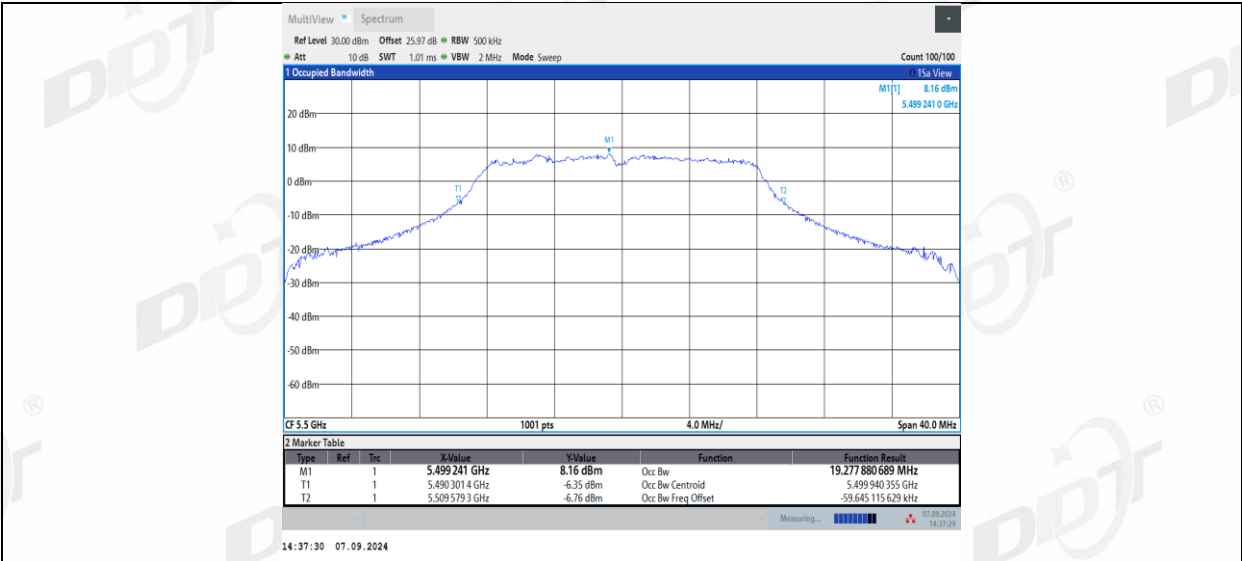
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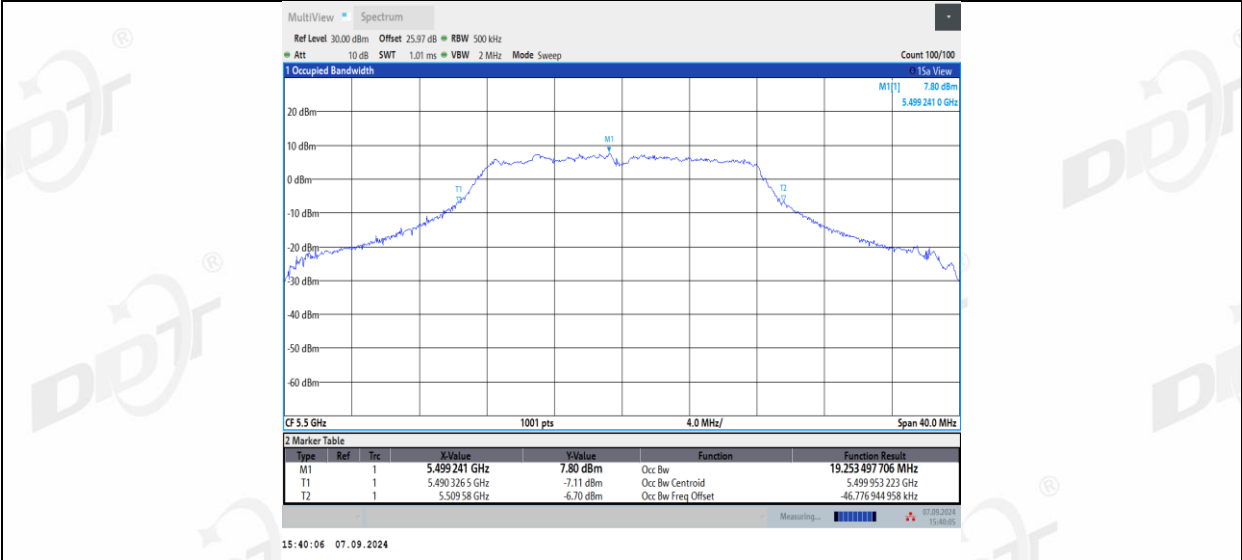
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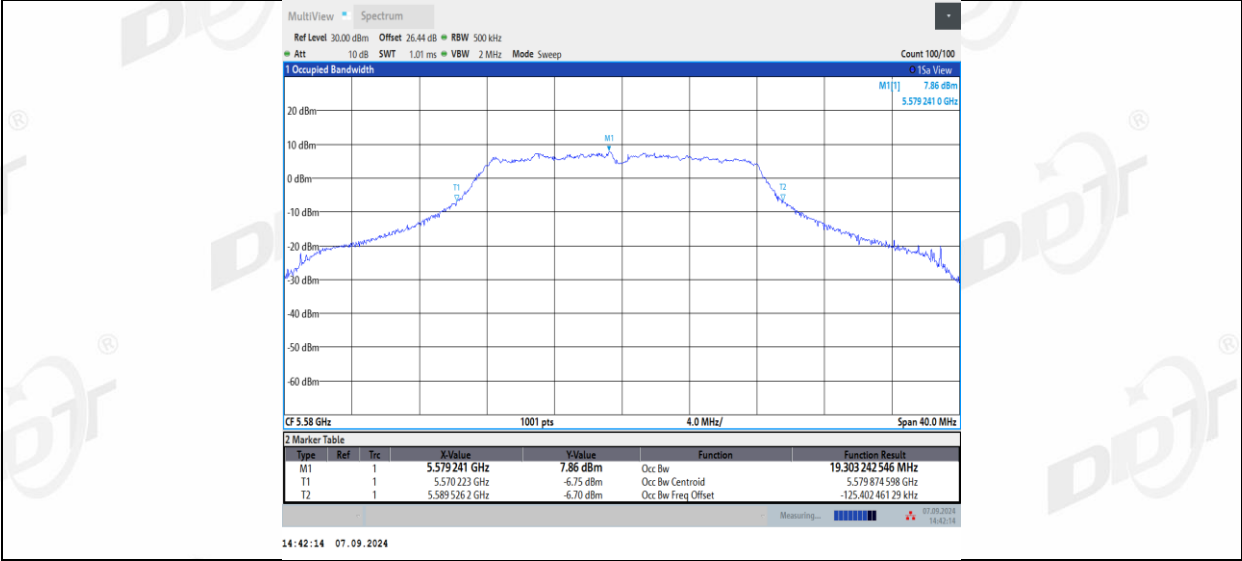
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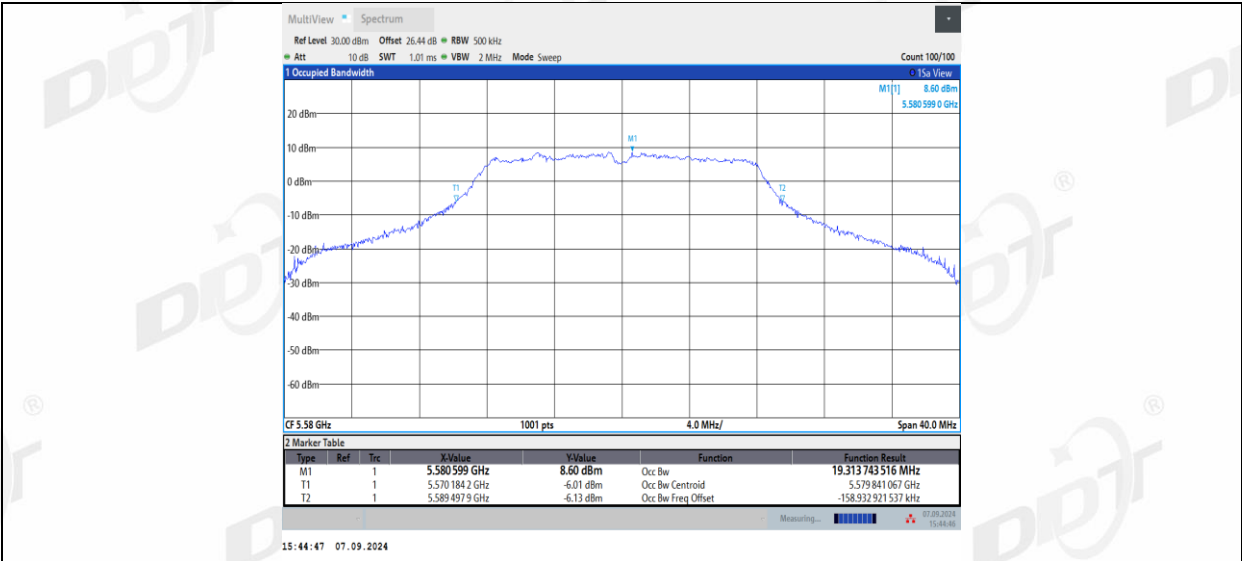
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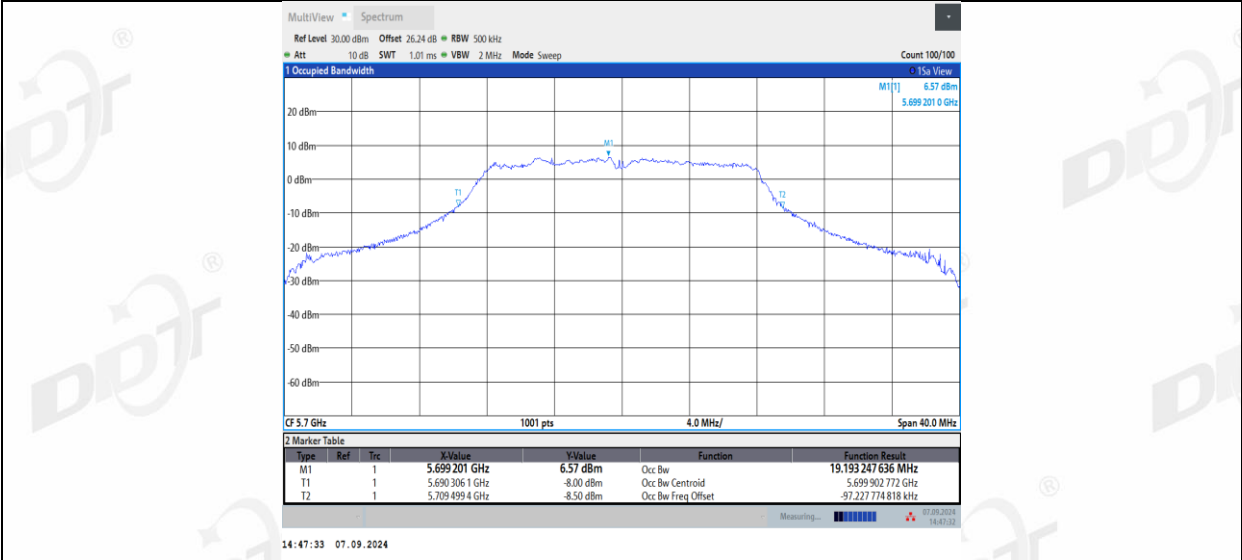
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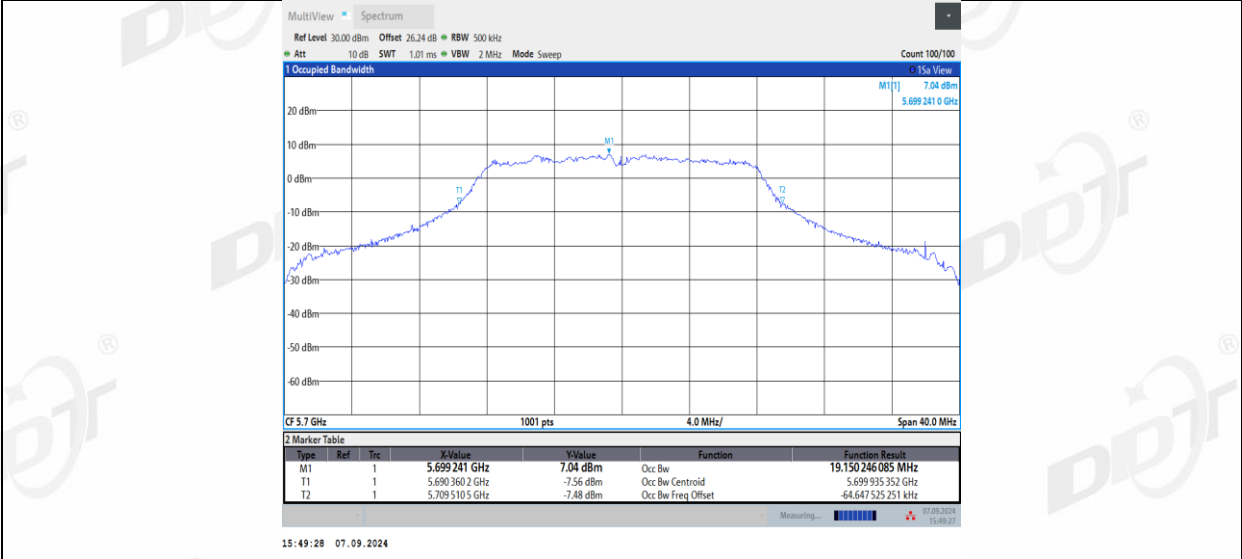
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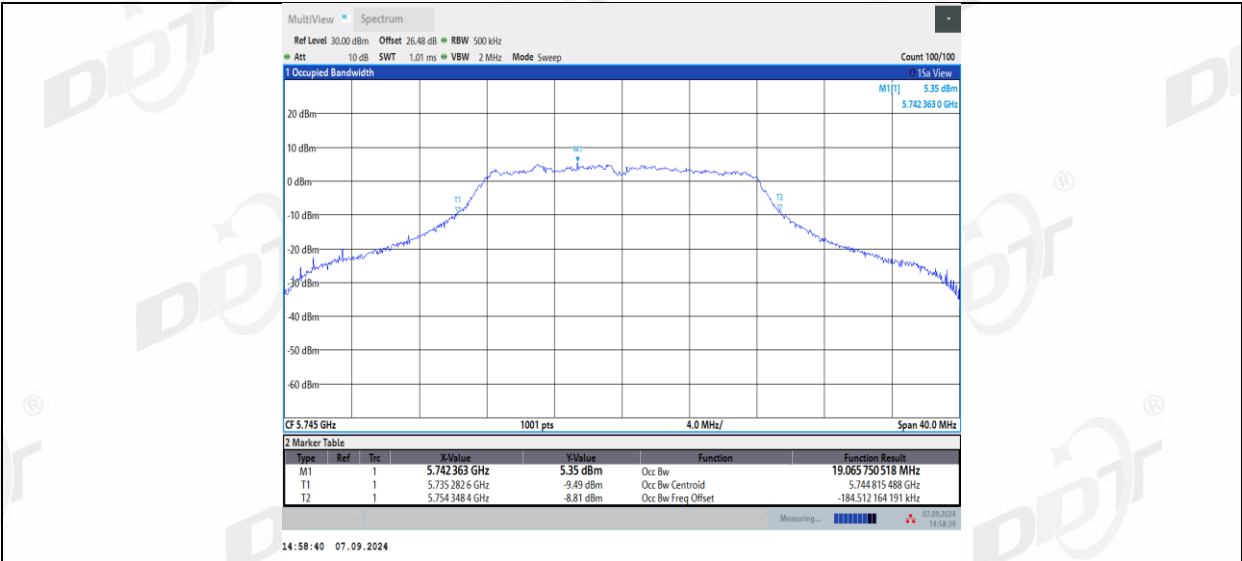
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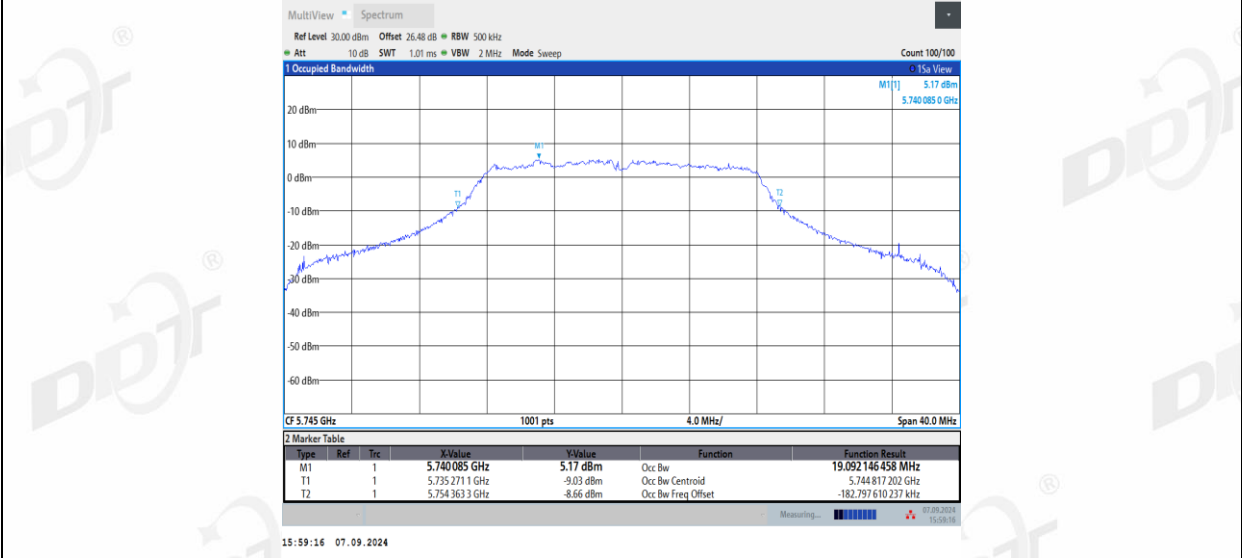
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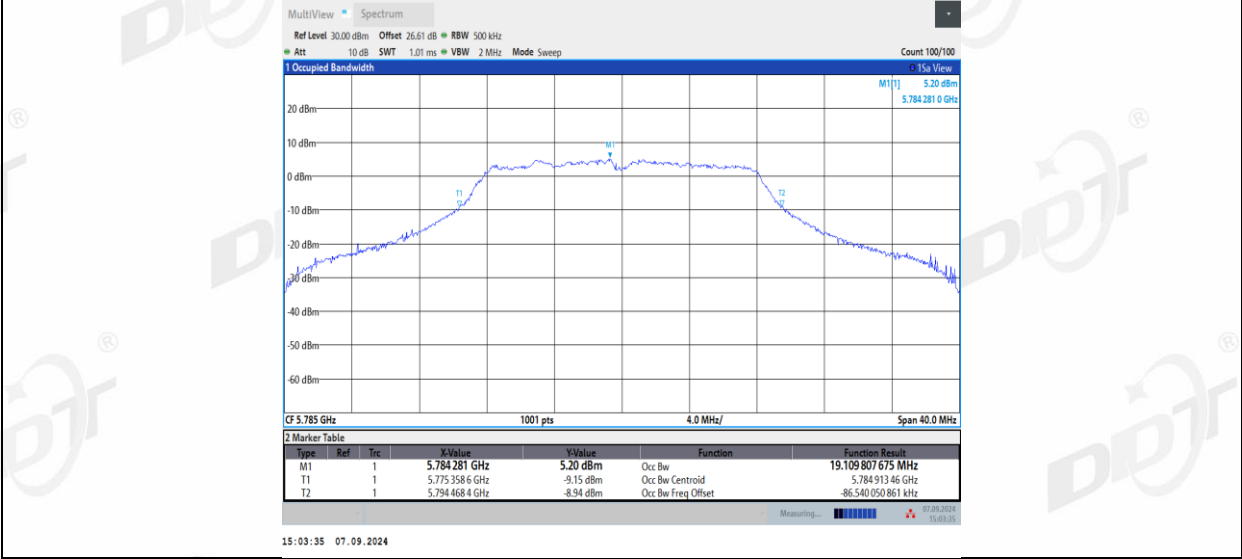
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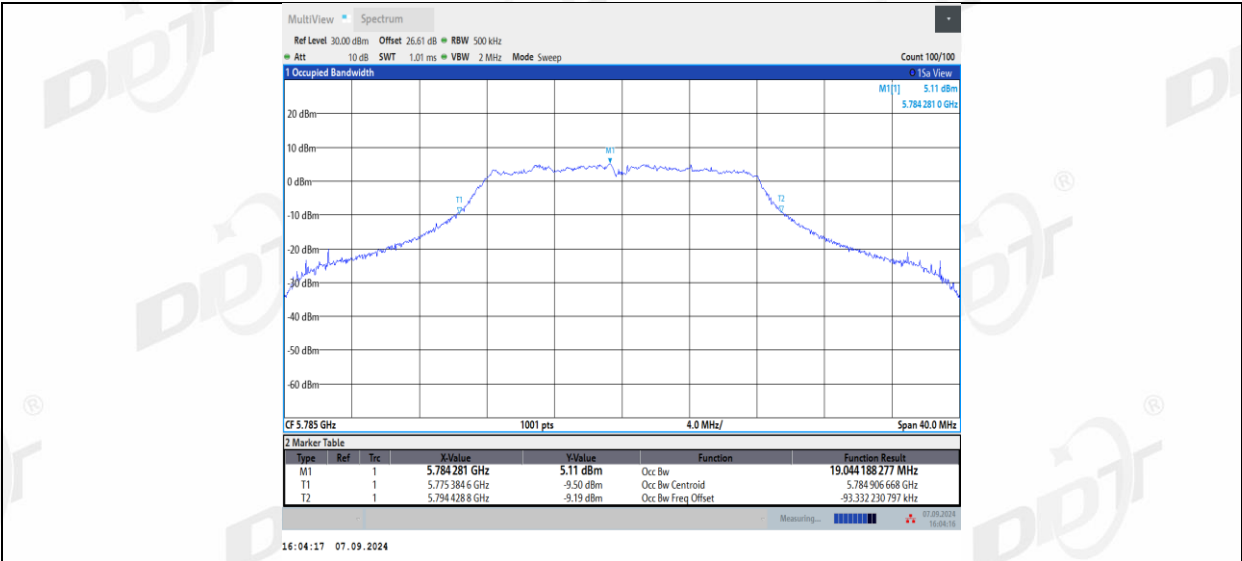
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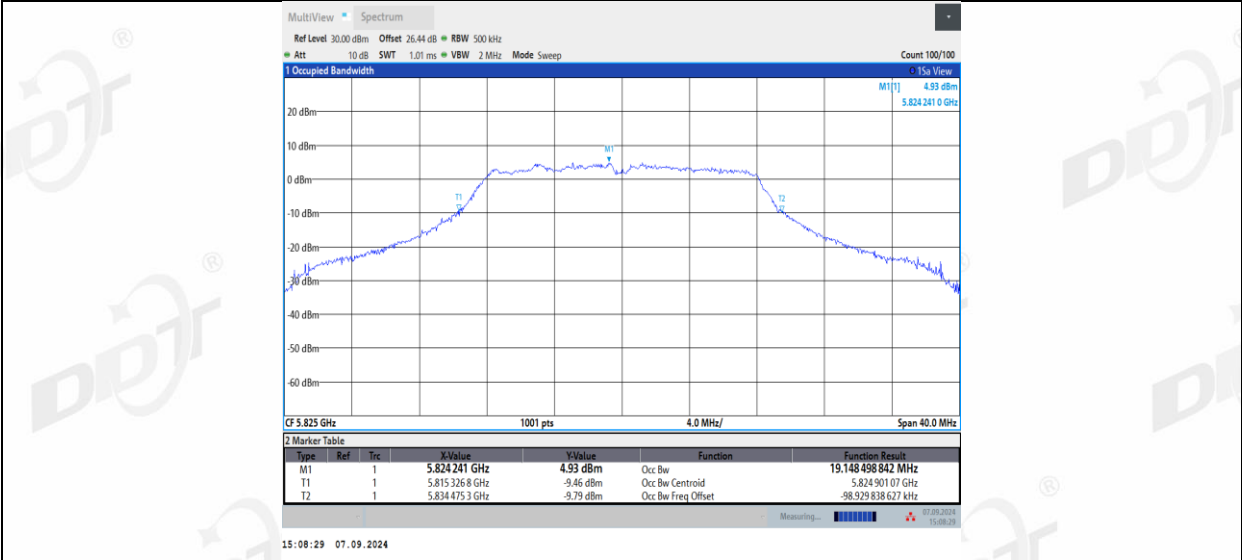
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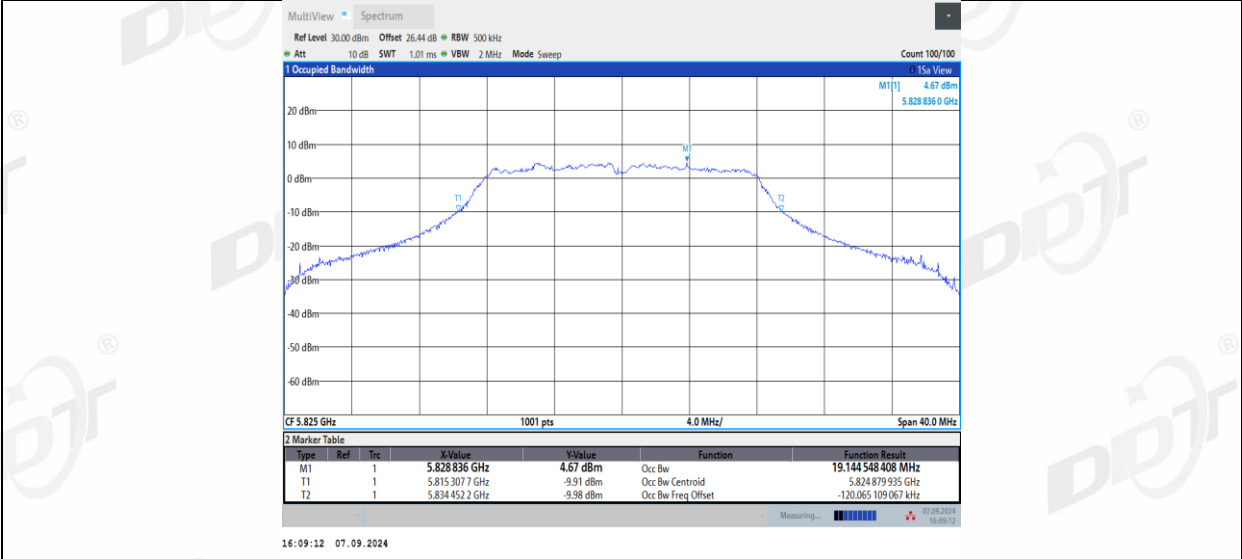
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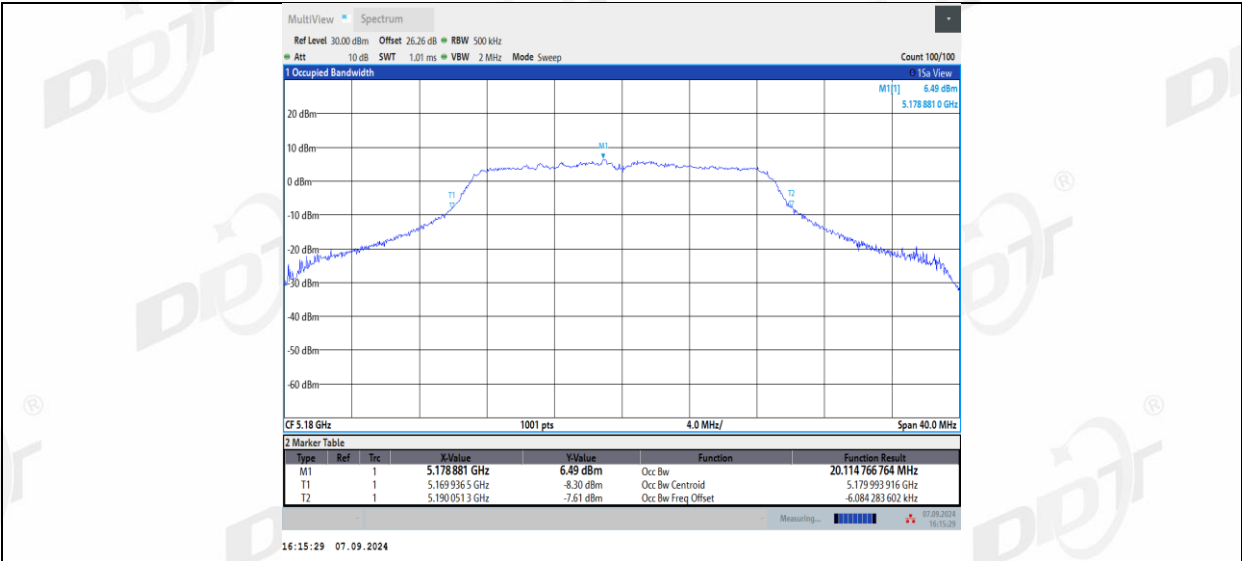
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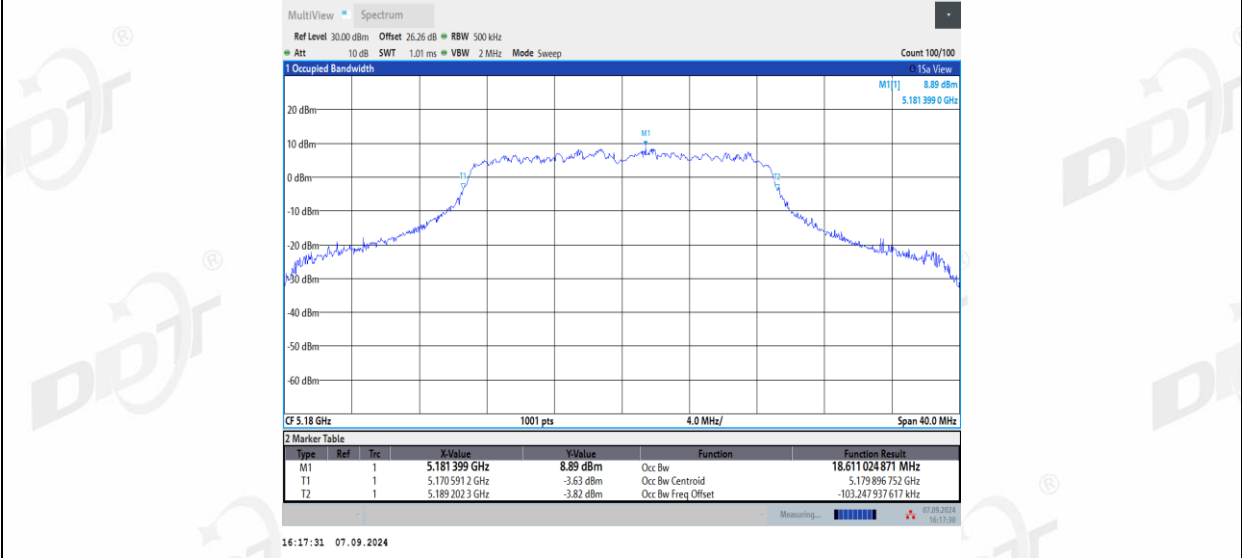
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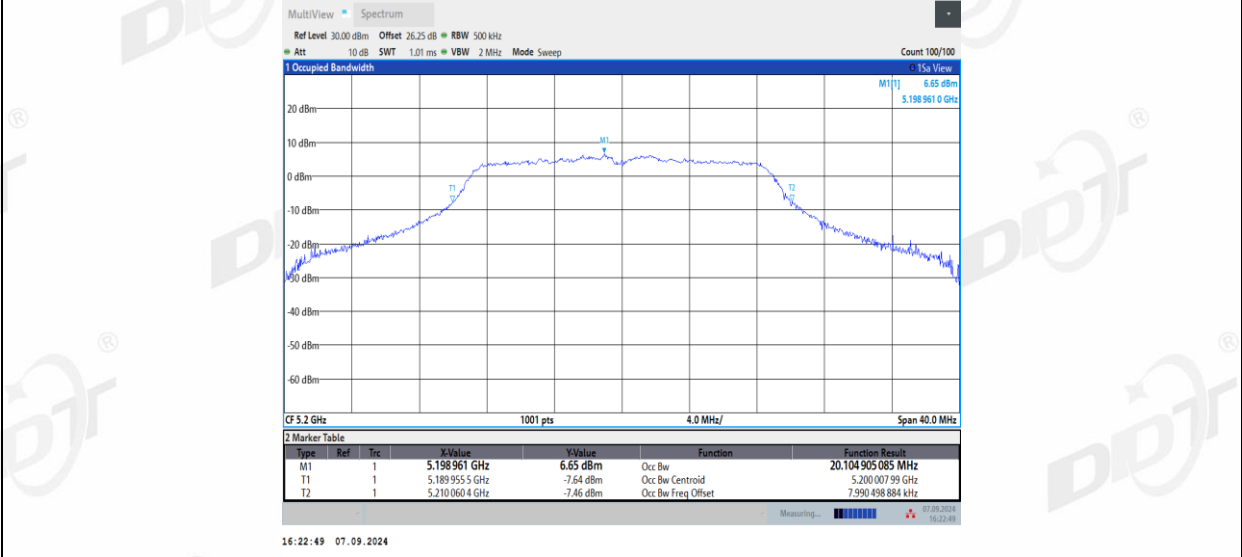
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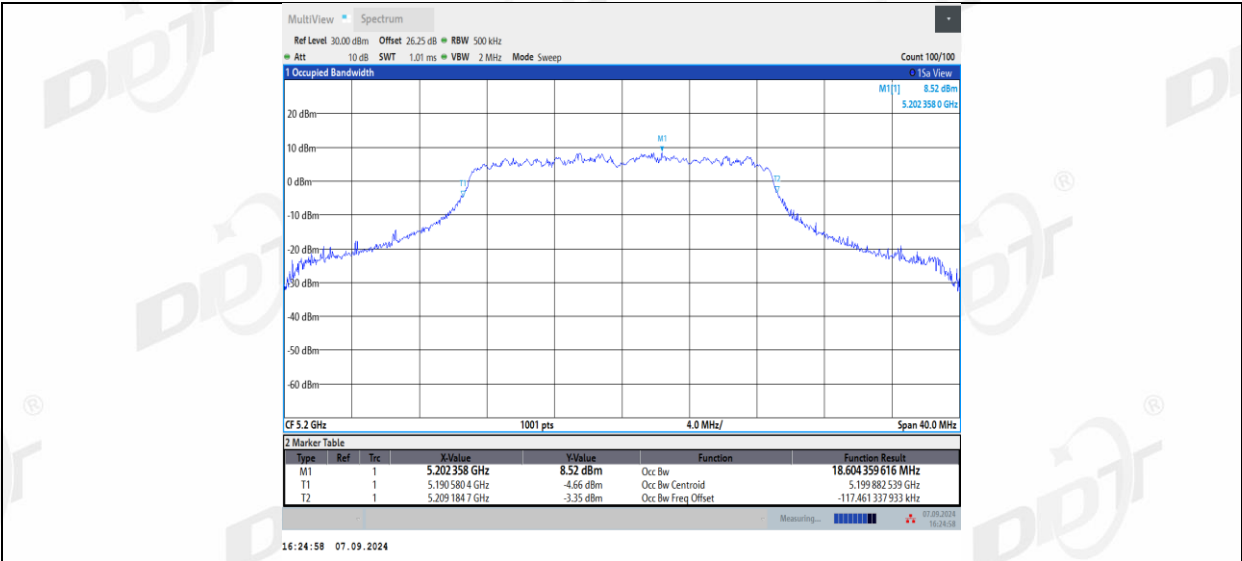
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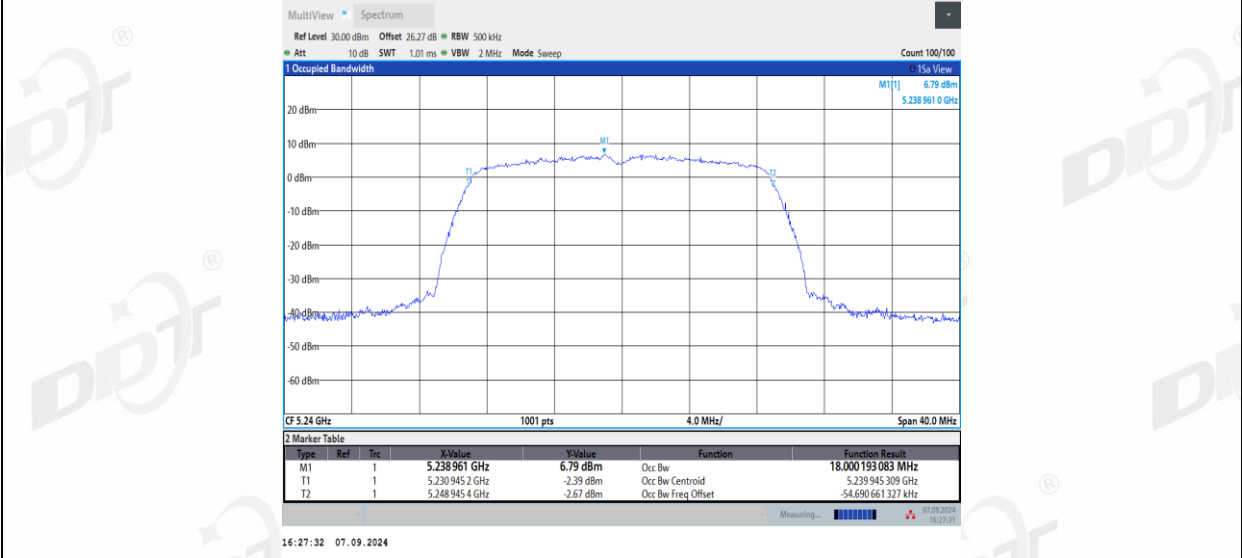
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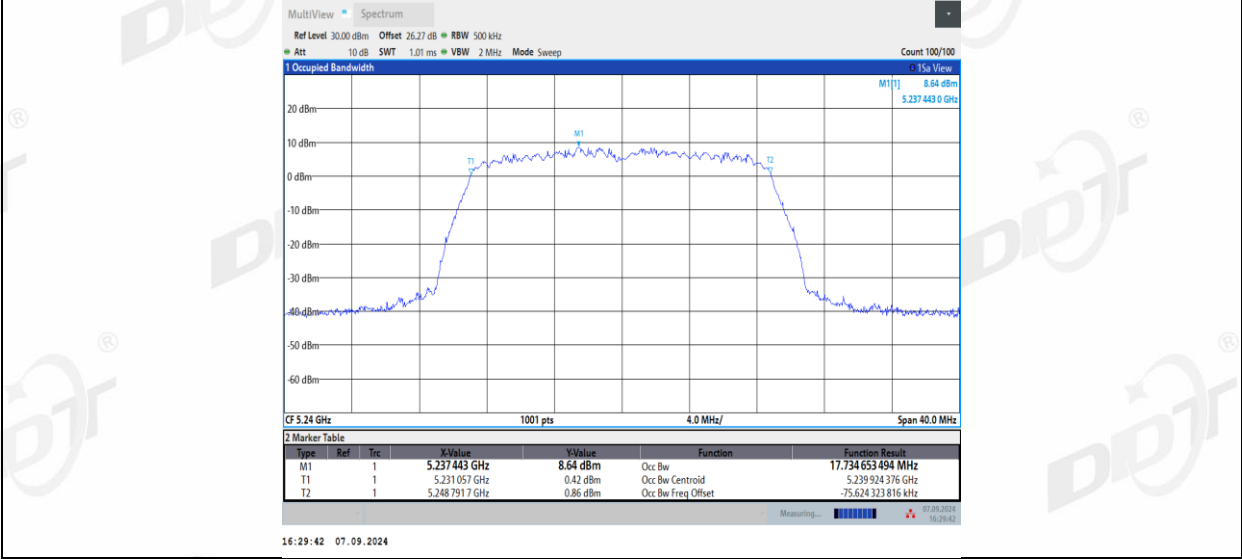
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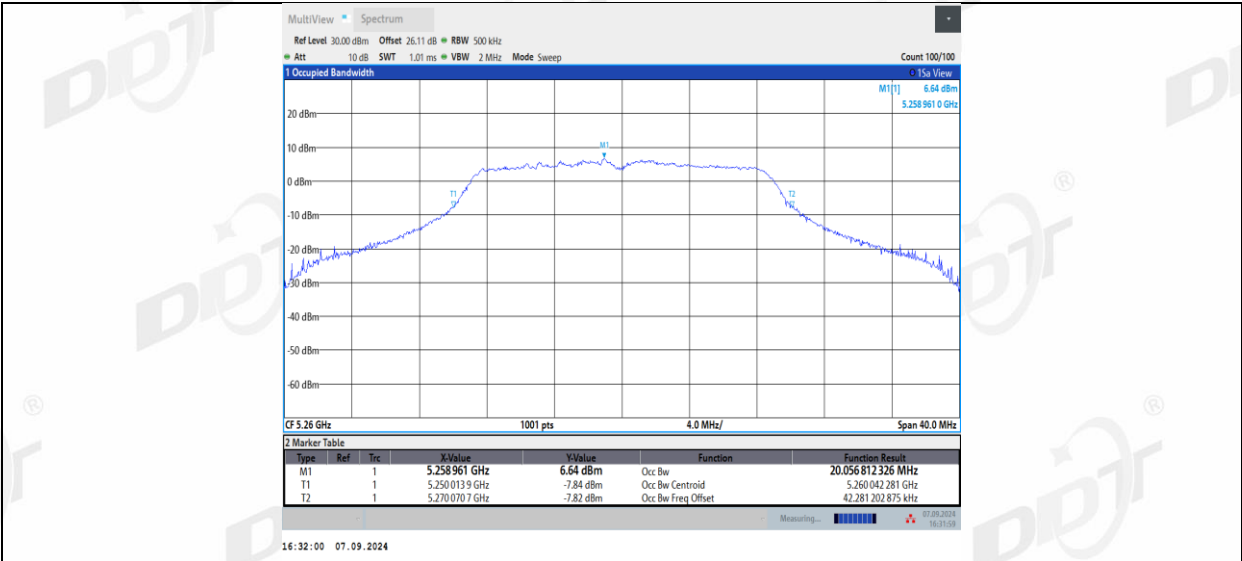
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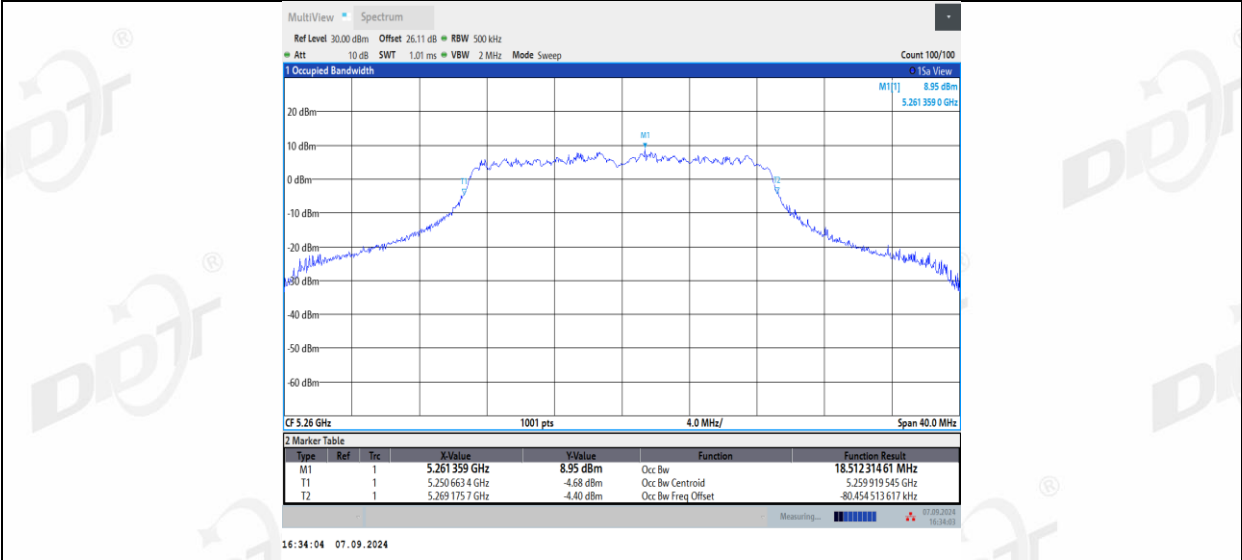
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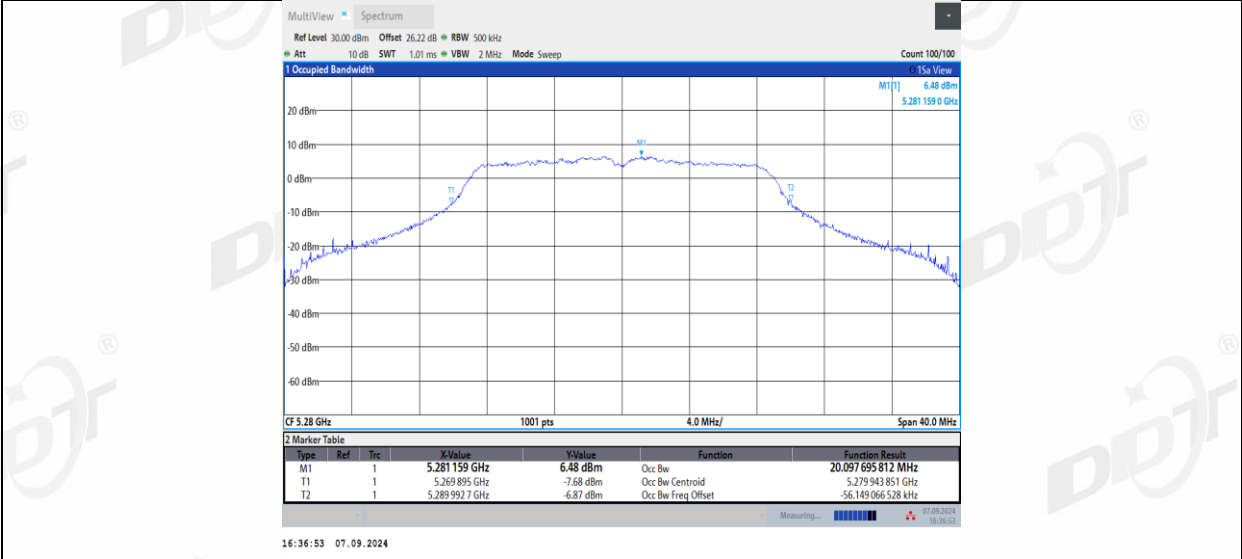
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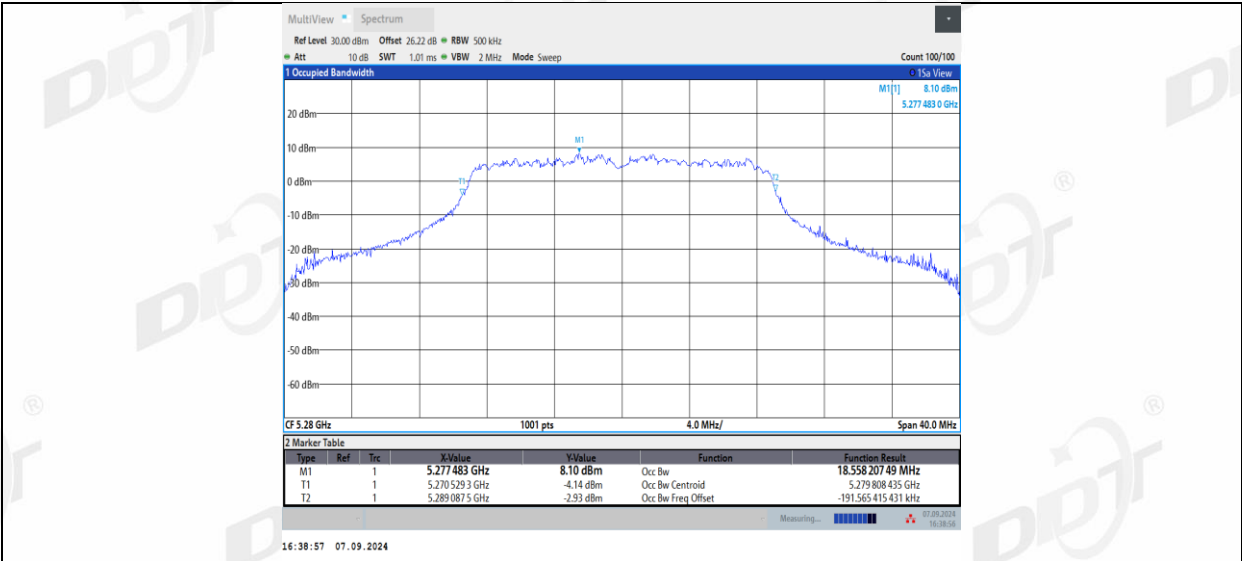
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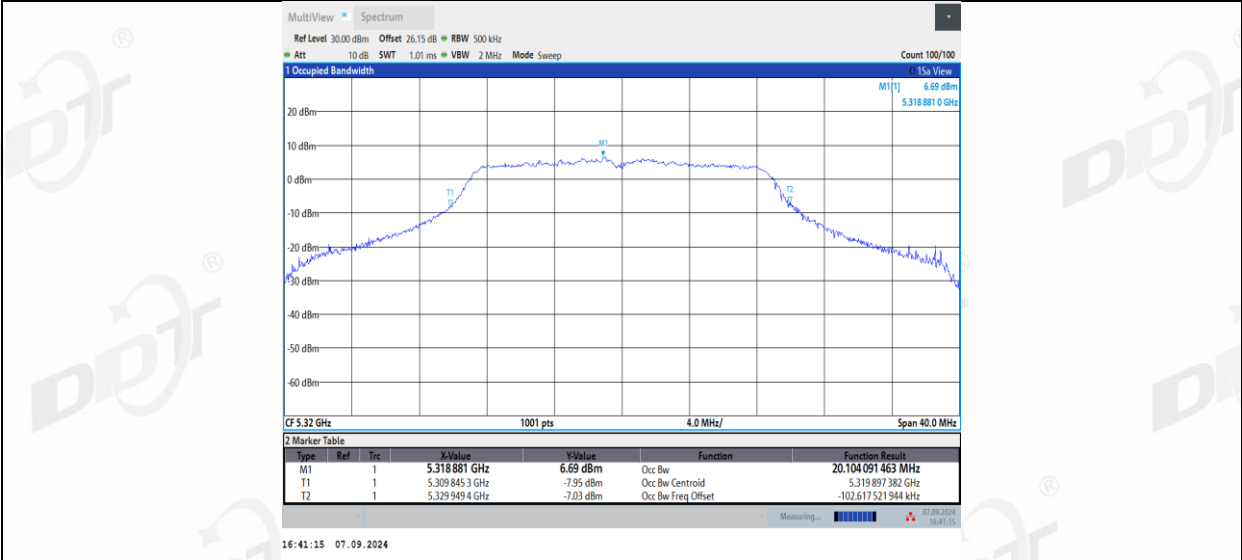
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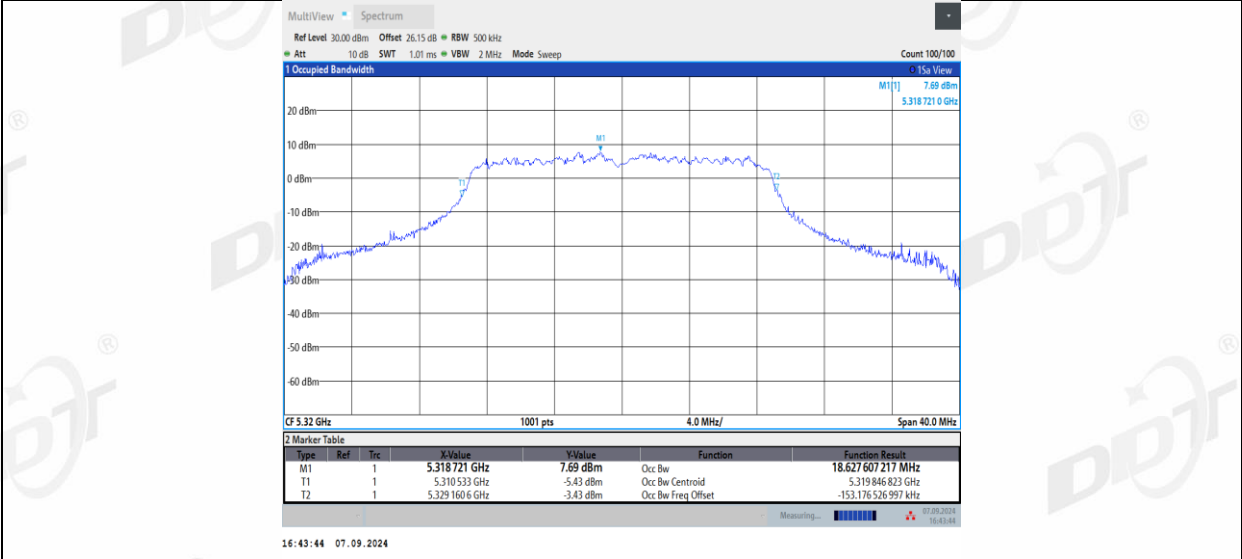
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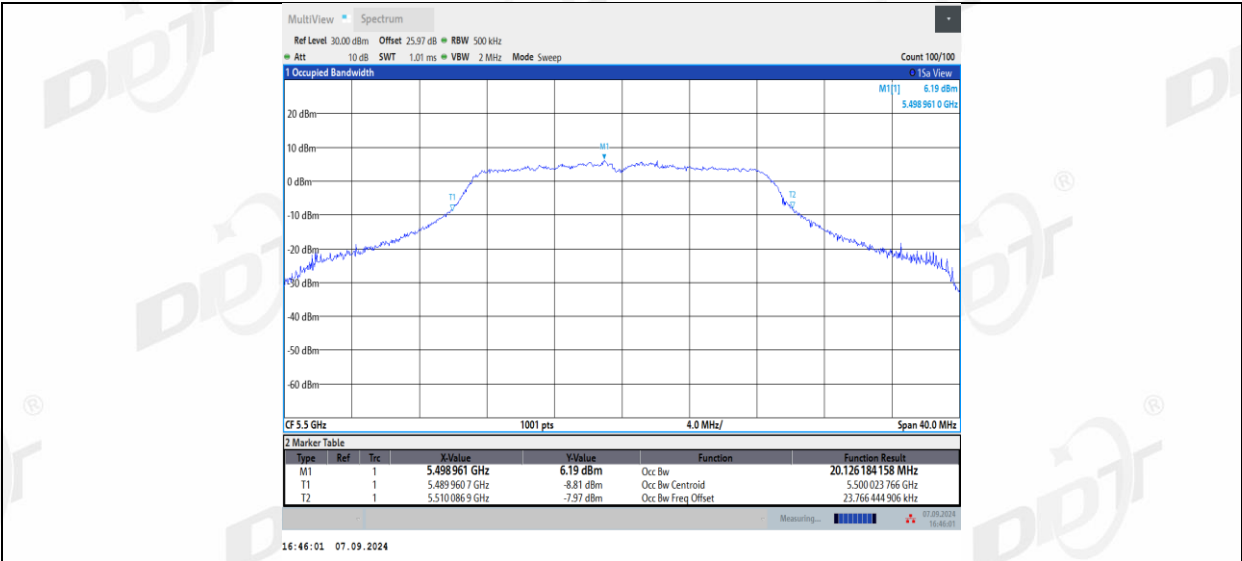
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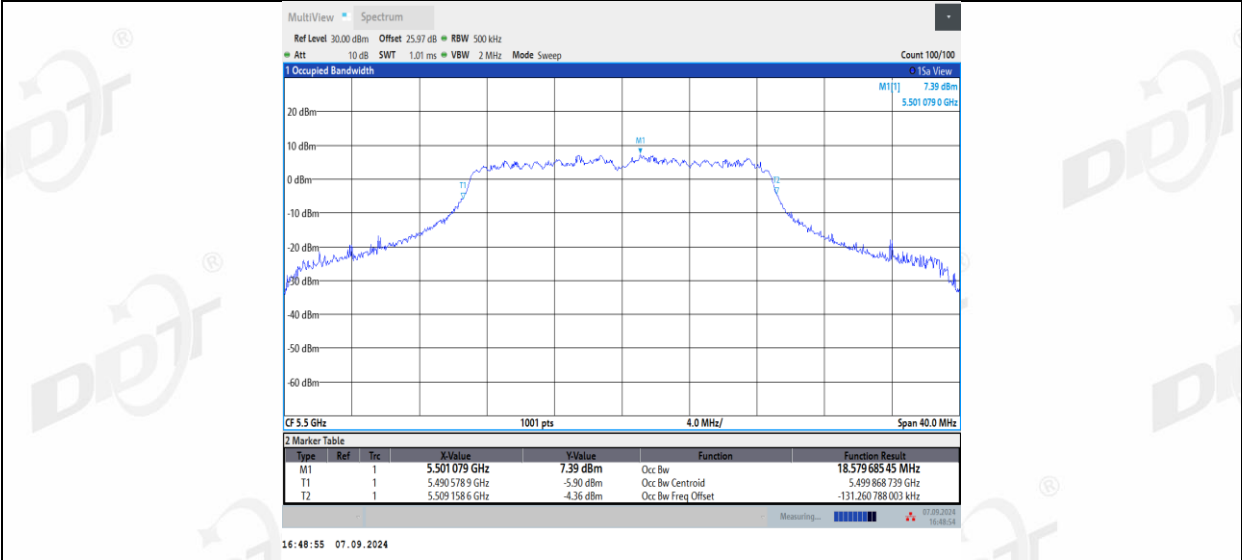
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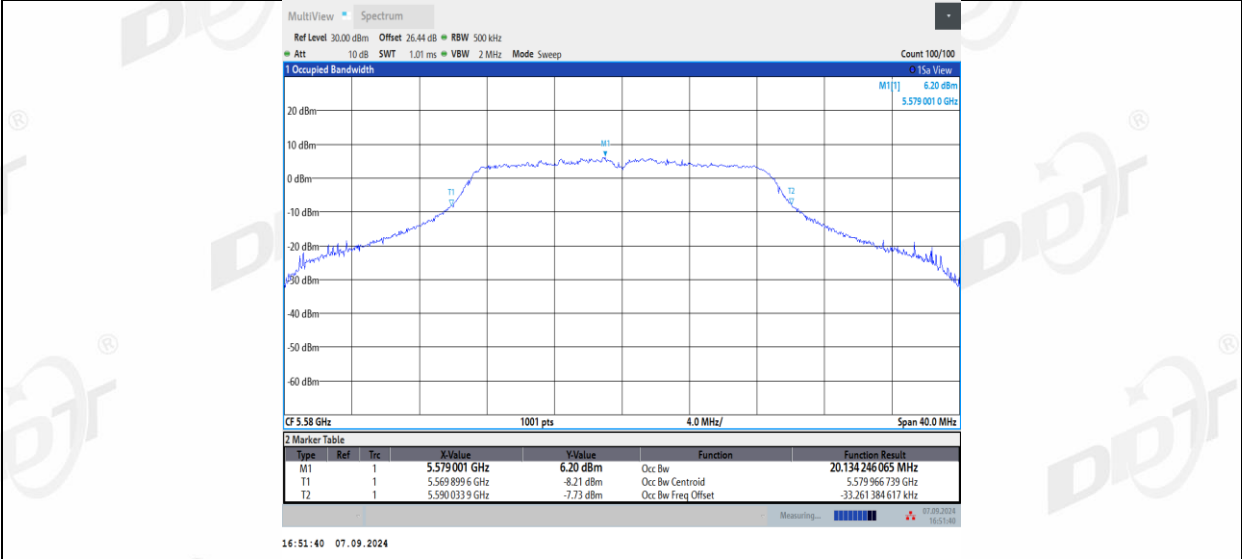
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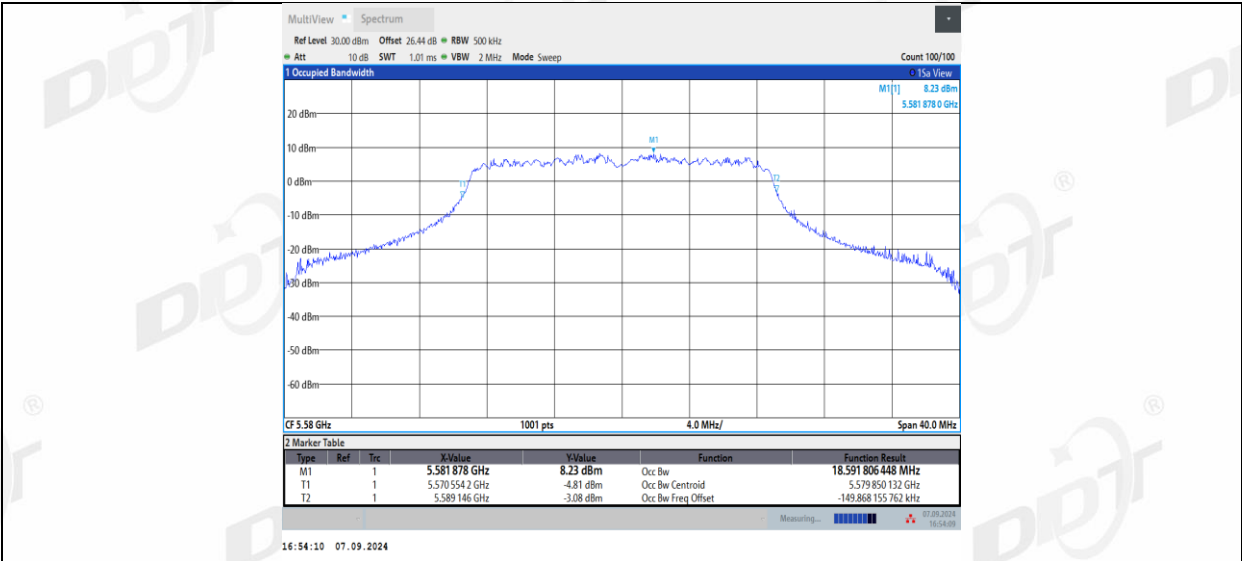
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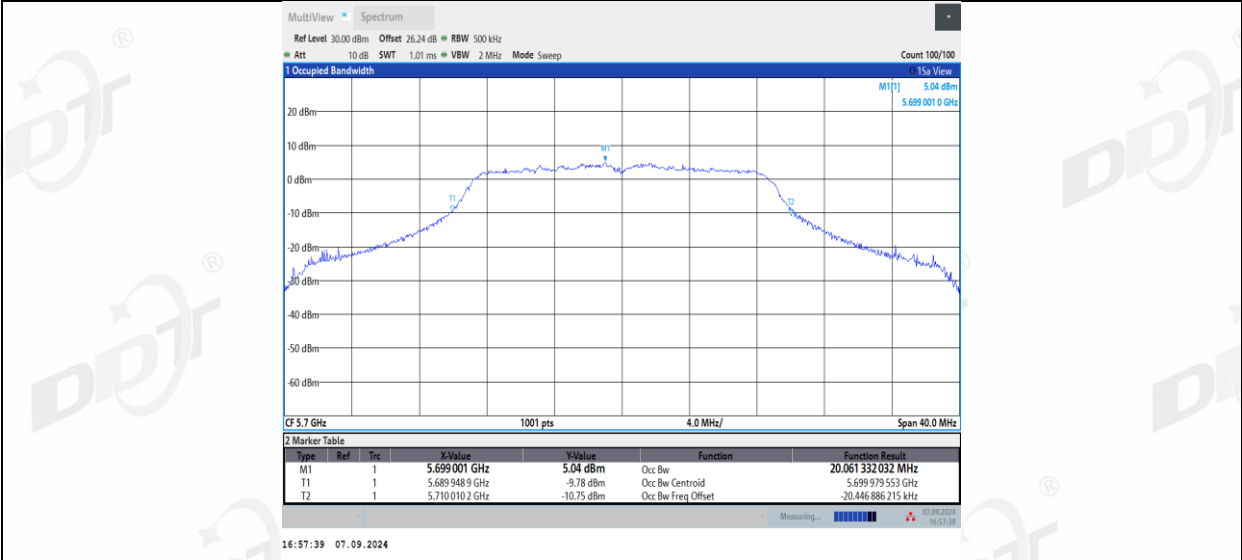
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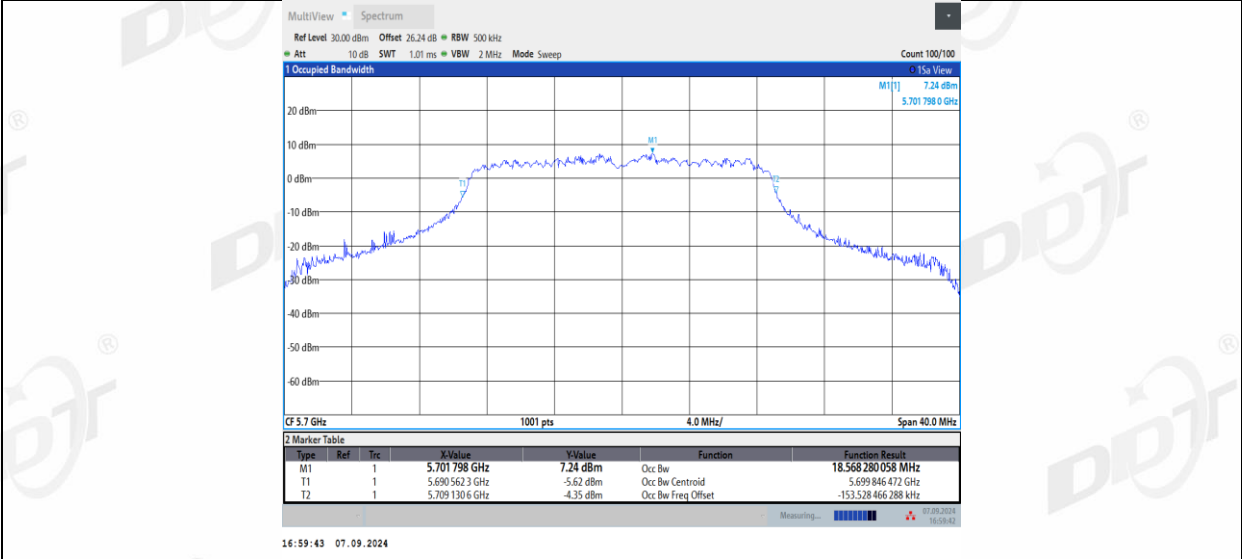
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11N20MIMO_Ant1_5700



11N20MIMO_Ant2_5700



11N20MIMO_Ant1_5745