

RF Test Data for 5G Wi-Fi (Conducted Measurements)

General Description of EUT	
EUT Name:	Wireless Tethering Hub for Cameras
Model:	WTH-500
Sample ID:	HC-C-202505-0214-01-01
Test Standard:	FCC Part 15.407
Environmental Conditions	
Ambient Temperature:	25.3℃
Ambient Humidity:	48.6%RH
Test Power Supply:	DC 5V
Test Engineer:	Lily zhang
Note: For a more detailed features description, please refer to the report TBR-C-202505-0214-42	

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1: Emission Bandwidth

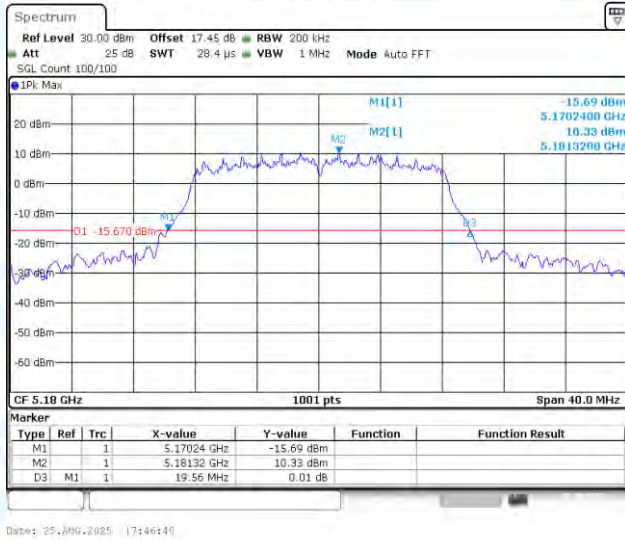
1.1 Test Result

TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.56	5170.24	5189.80	---	---
11A	Ant2	5180	19.92	5170.04	5189.96	---	---
11A	Ant1	5200	19.76	5190.28	5210.04	---	---
11A	Ant2	5200	20.00	5190.08	5210.08	---	---
11A	Ant1	5240	19.96	5230.08	5250.04	---	---
11A	Ant2	5240	19.96	5230.08	5250.04	---	---
11N20MIMO	Ant1	5180	19.64	5169.92	5189.56	---	---
11N20MIMO	Ant2	5180	19.68	5170.20	5189.88	---	---
11N20MIMO	Ant1	5200	19.76	5190.12	5209.88	---	---
11N20MIMO	Ant2	5200	20.00	5190.08	5210.08	---	---
11N20MIMO	Ant1	5240	20.08	5230.00	5250.08	---	---
11N20MIMO	Ant2	5240	19.84	5229.96	5249.80	---	---
11N40MIMO	Ant1	5190	40.08	5170.16	5210.24	---	---
11N40MIMO	Ant2	5190	39.28	5170.40	5209.68	---	---
11N40MIMO	Ant1	5230	39.60	5210.32	5249.92	---	---
11N40MIMO	Ant2	5230	40.08	5210.16	5250.24	---	---
11AC20MIMO	Ant1	5180	20.00	5170.04	5190.04	---	---
11AC20MIMO	Ant2	5180	19.96	5169.92	5189.88	---	---
11AC20MIMO	Ant1	5200	19.80	5190.00	5209.80	---	---
11AC20MIMO	Ant2	5200	20.00	5190.04	5210.04	---	---
11AC20MIMO	Ant1	5240	20.04	5230.12	5250.16	---	---
11AC20MIMO	Ant2	5240	19.84	5230.08	5249.92	---	---
11AC40MIMO	Ant1	5190	40.56	5169.76	5210.32	---	---
11AC40MIMO	Ant2	5190	39.36	5170.00	5209.36	---	---
11AC40MIMO	Ant1	5230	40.40	5210.16	5250.56	---	---
11AC40MIMO	Ant2	5230	38.80	5210.80	5249.60	---	---
11AC80MIMO	Ant1	5210	79.36	5170.64	5250.00	---	---
11AC80MIMO	Ant2	5210	79.20	5170.48	5249.68	---	---
11AX20MIMO	Ant1	5180	29.20	5161.68	5190.88	---	---
11AX20MIMO	Ant2	5180	21.20	5169.68	5190.88	---	---
11AX20MIMO	Ant1	5200	20.64	5189.72	5210.36	---	---
11AX20MIMO	Ant2	5200	21.88	5188.68	5210.56	---	---
11AX20MIMO	Ant1	5240	19.84	5230.12	5249.96	---	---
11AX20MIMO	Ant2	5240	19.84	5230.20	5250.04	---	---
11AX40MIMO	Ant1	5190	39.36	5170.48	5209.84	---	---
11AX40MIMO	Ant2	5190	39.52	5170.24	5209.76	---	---
11AX40MIMO	Ant1	5230	39.84	5210.08	5249.92	---	---
11AX40MIMO	Ant2	5230	39.44	5210.32	5249.76	---	---
11AX80MIMO	Ant1	5210	80.32	5170.00	5250.32	---	---
11AX80MIMO	Ant2	5210	80.00	5170.00	5250.00	---	---

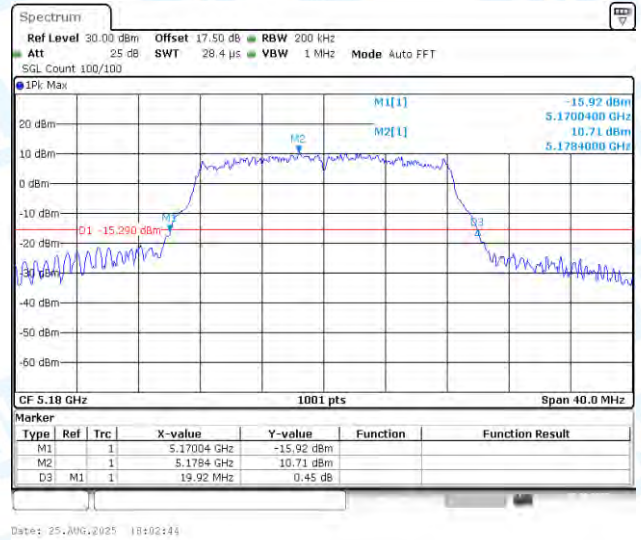
TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	20.08	5734.88	5754.96	---	---
11A	Ant2	5745	20.04	5735.04	5755.08	---	---
11A	Ant1	5785	19.52	5775.16	5794.68	---	---
11A	Ant2	5785	19.36	5775.36	5794.72	---	---
11A	Ant1	5825	20.04	5815.04	5835.08	---	---
11A	Ant2	5825	19.80	5815.20	5835.00	---	---
11N20MIMO	Ant1	5745	20.08	5735.04	5755.12	---	---
11N20MIMO	Ant2	5745	19.96	5735.00	5754.96	---	---
11N20MIMO	Ant1	5785	19.88	5775.08	5794.96	---	---
11N20MIMO	Ant2	5785	20.16	5775.12	5795.28	---	---
11N20MIMO	Ant1	5825	20.20	5815.00	5835.20	---	---
11N20MIMO	Ant2	5825	19.96	5815.08	5835.04	---	---
11N40MIMO	Ant1	5755	40.00	5735.24	5775.24	---	---
11N40MIMO	Ant2	5755	39.60	5735.40	5775.00	---	---
11N40MIMO	Ant1	5795	40.00	5774.76	5814.76	---	---
11N40MIMO	Ant2	5795	39.44	5775.40	5814.84	---	---
11AC20MIMO	Ant1	5745	20.24	5734.76	5755.00	---	---
11AC20MIMO	Ant2	5745	19.88	5735.20	5755.08	---	---
11AC20MIMO	Ant1	5785	20.04	5775.04	5795.08	---	---
11AC20MIMO	Ant2	5785	19.88	5775.12	5795.00	---	---
11AC20MIMO	Ant1	5825	20.20	5815.04	5835.24	---	---
11AC20MIMO	Ant2	5825	20.00	5815.04	5835.04	---	---
11AC40MIMO	Ant1	5755	39.76	5735.32	5775.08	---	---
11AC40MIMO	Ant2	5755	40.64	5734.52	5775.16	---	---
11AC40MIMO	Ant1	5795	39.76	5774.92	5814.68	---	---
11AC40MIMO	Ant2	5795	39.60	5775.16	5814.76	---	---
11AC80MIMO	Ant1	5775	79.36	5735.64	5815.00	---	---
11AC80MIMO	Ant2	5775	79.04	5735.48	5814.52	---	---
11AX20MIMO	Ant1	5745	21.84	5734.20	5756.04	---	---
11AX20MIMO	Ant2	5745	20.84	5734.60	5755.44	---	---
11AX20MIMO	Ant1	5785	21.44	5774.16	5795.60	---	---
11AX20MIMO	Ant2	5785	20.96	5774.40	5795.36	---	---
11AX20MIMO	Ant1	5825	21.24	5814.28	5835.52	---	---
11AX20MIMO	Ant2	5825	22.76	5814.40	5837.16	---	---
11AX40MIMO	Ant1	5755	39.52	5735.32	5774.84	---	---
11AX40MIMO	Ant2	5755	39.52	5735.24	5774.76	---	---
11AX40MIMO	Ant1	5795	39.60	5775.32	5814.92	---	---
11AX40MIMO	Ant2	5795	39.68	5775.24	5814.92	---	---
11AX80MIMO	Ant1	5775	80.16	5735.00	5815.16	---	---
11AX80MIMO	Ant2	5775	80.16	5735.00	5815.16	---	---

Note: RF Conducted test Offset= cable loss+ Attenuator(10dB).

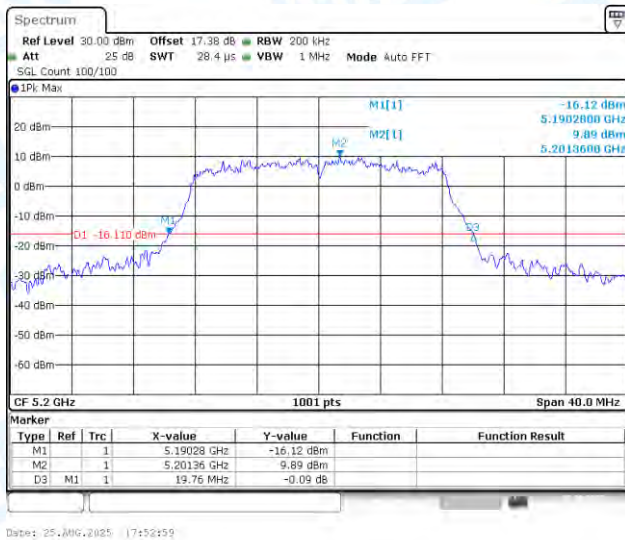
1.2 Test Graphs



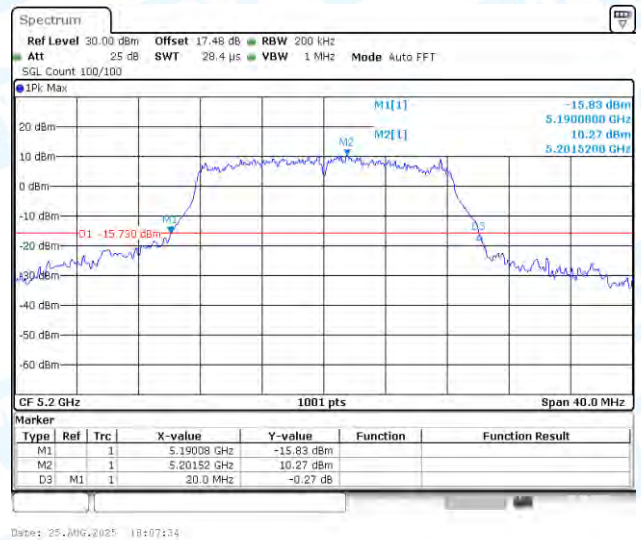
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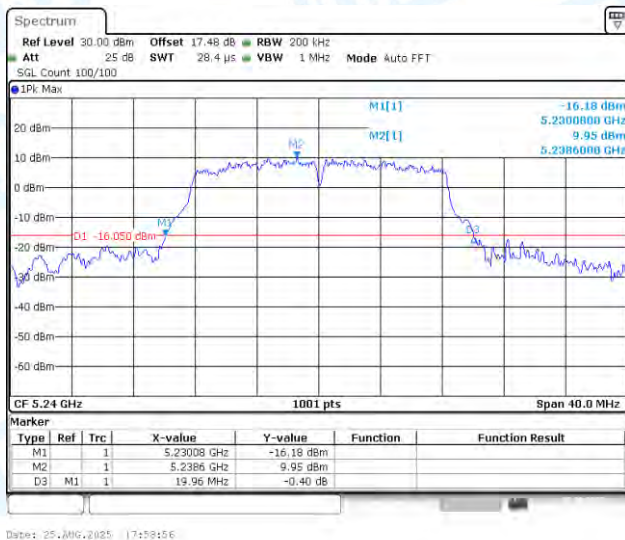
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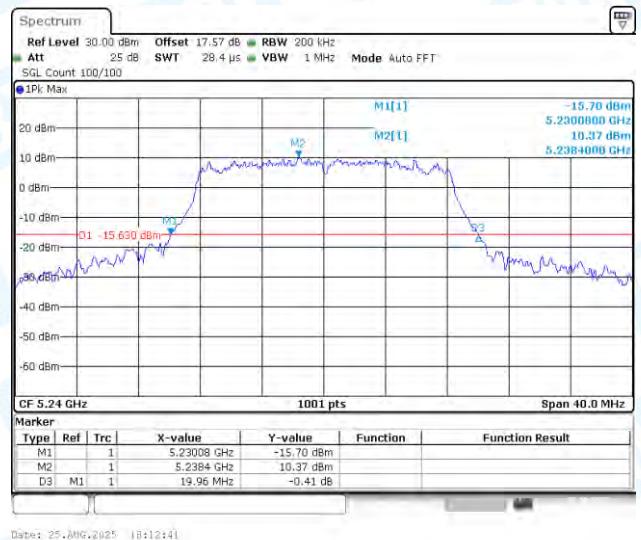
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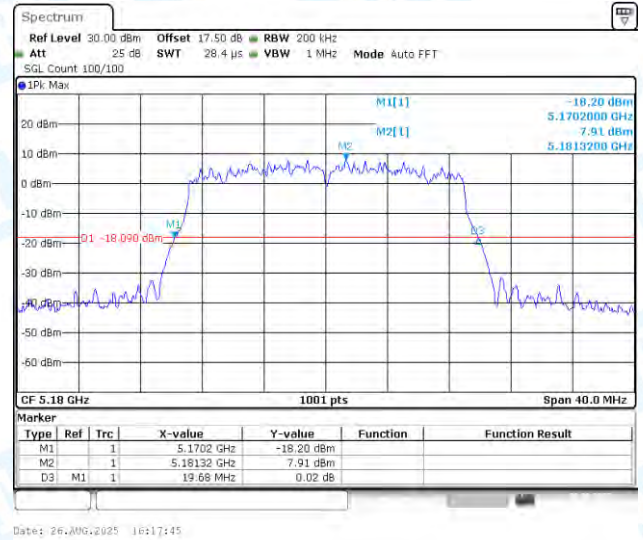
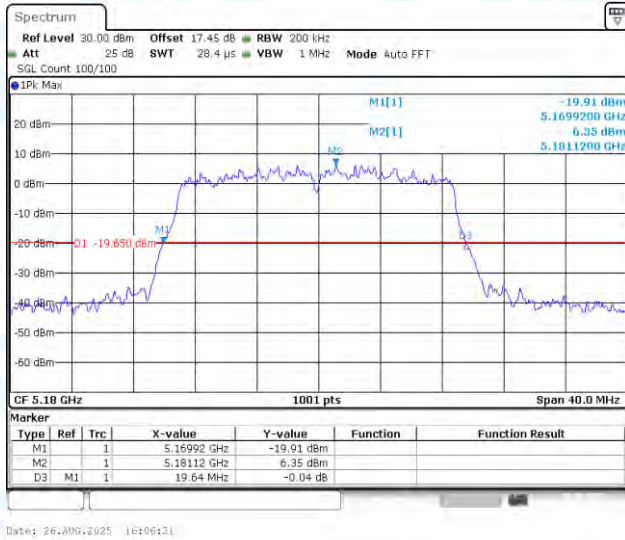
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11A-Ant1-5240

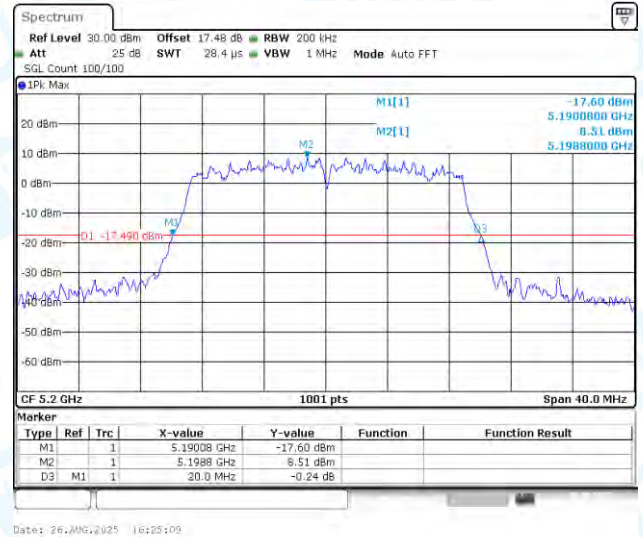
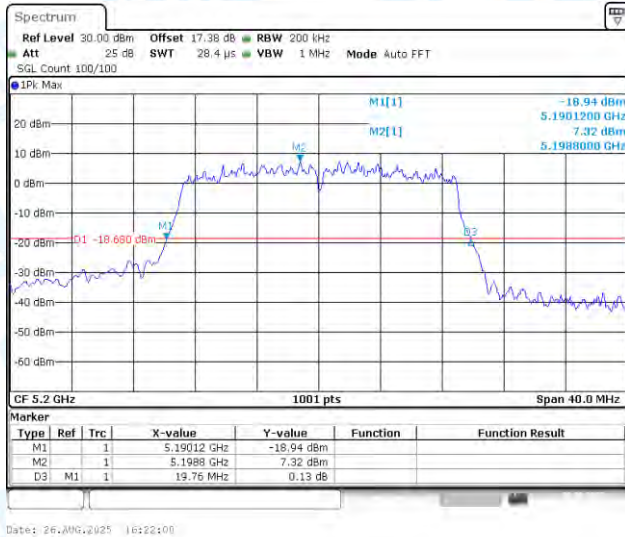


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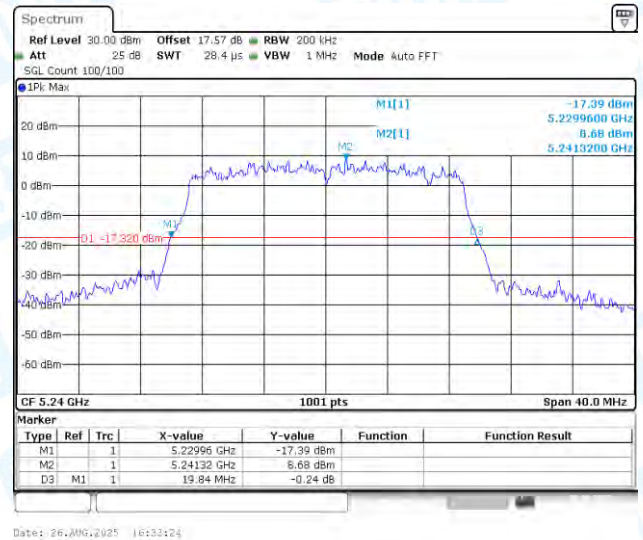
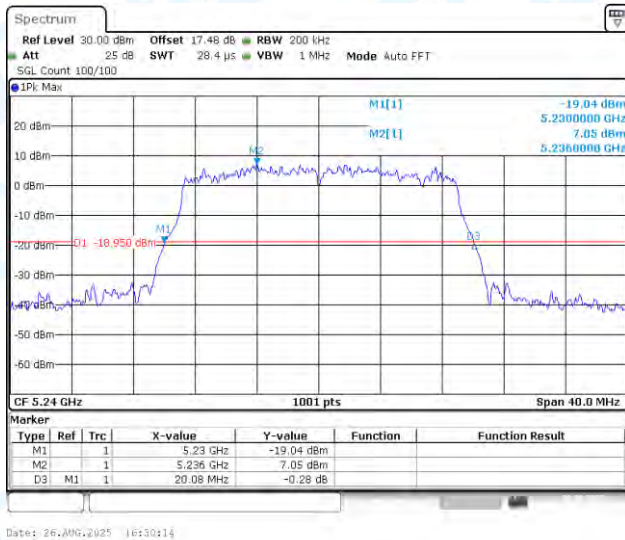
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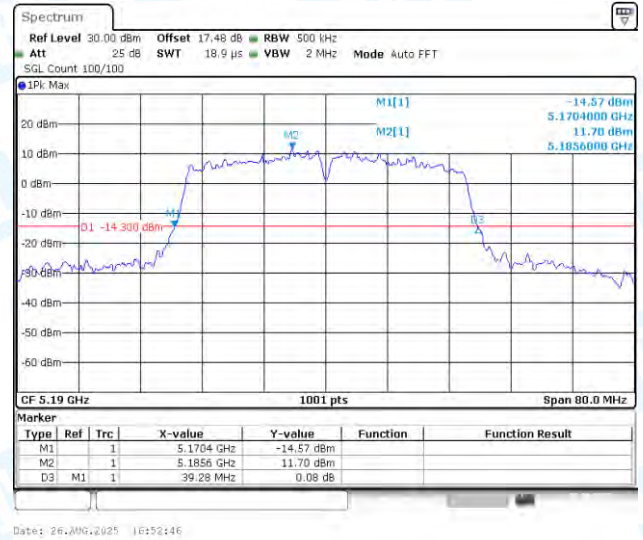
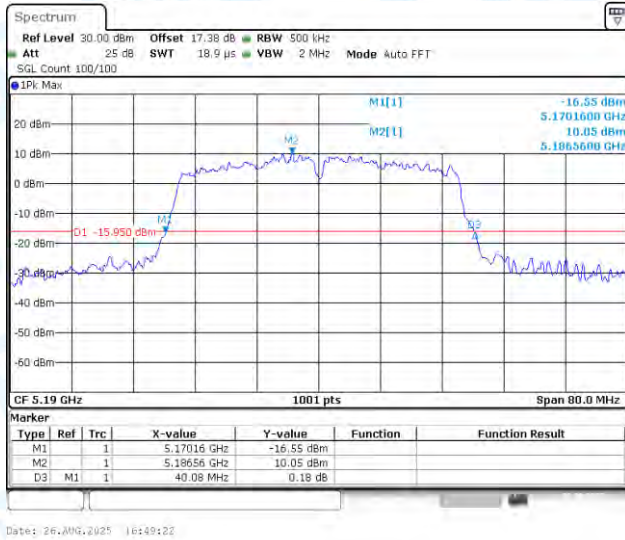
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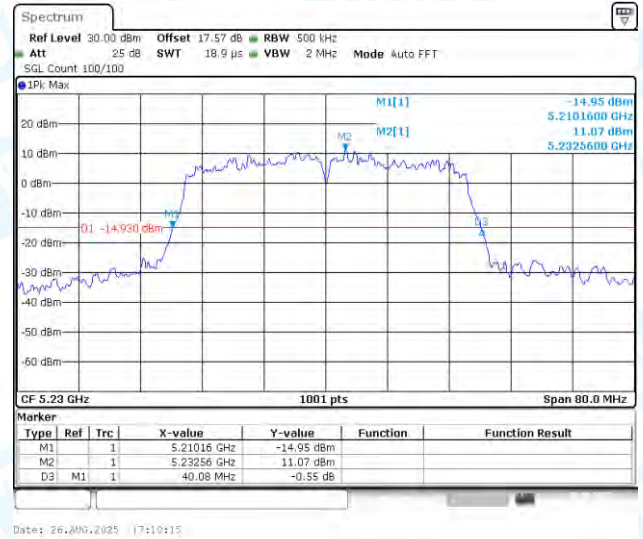
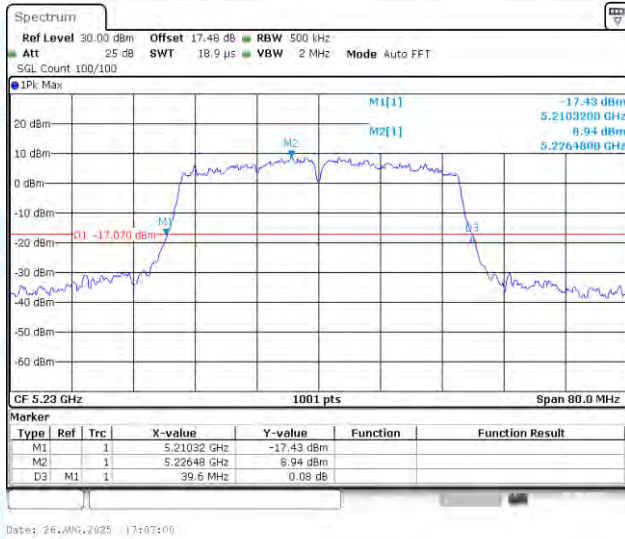
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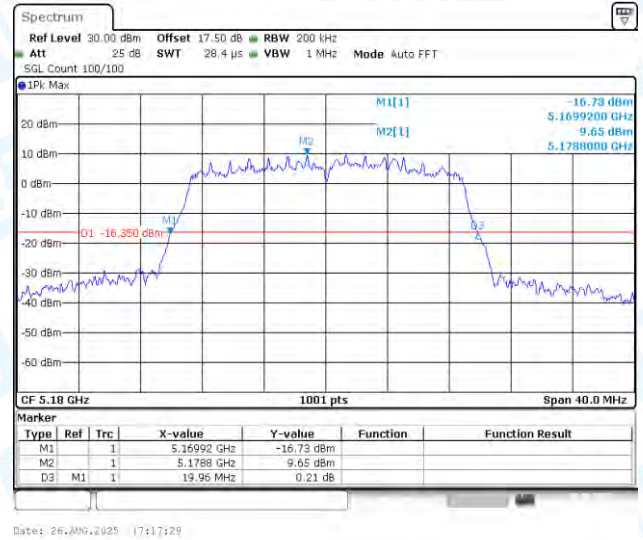
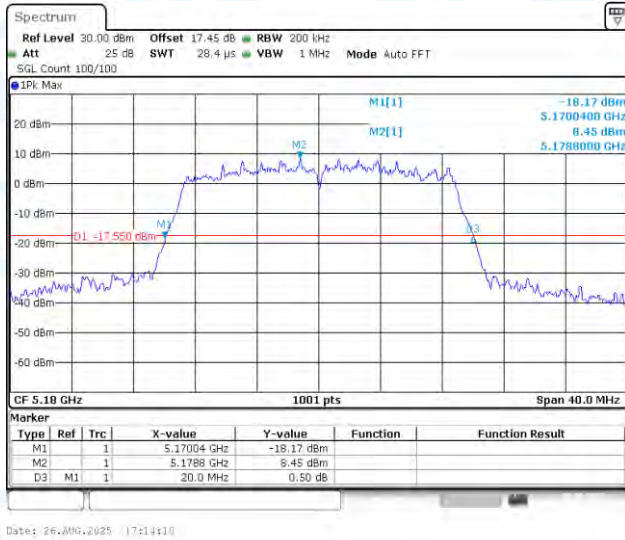
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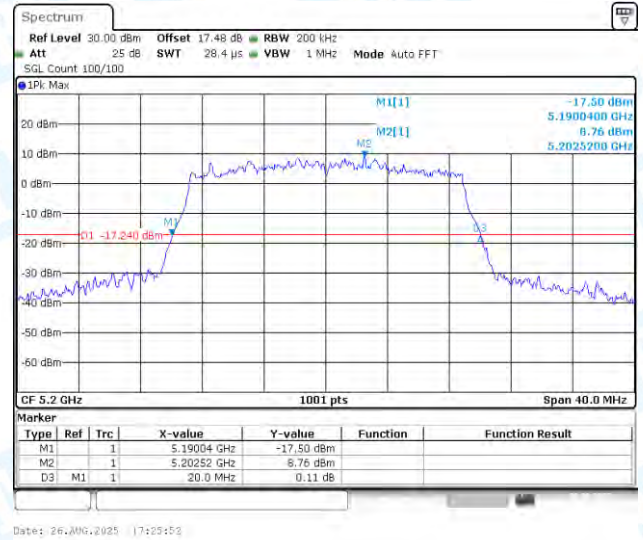
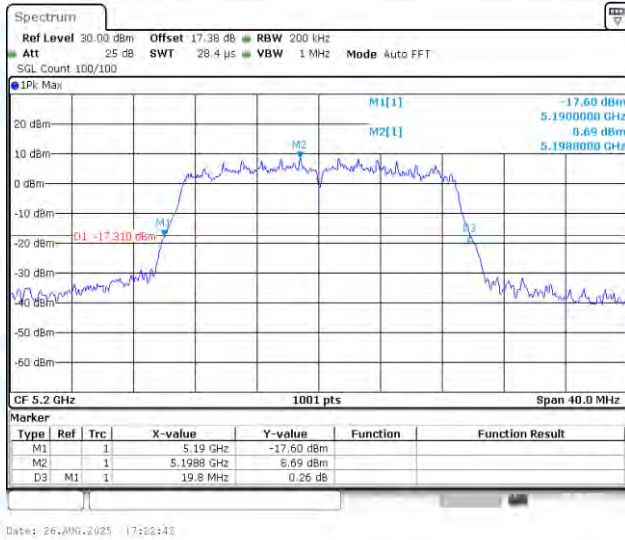
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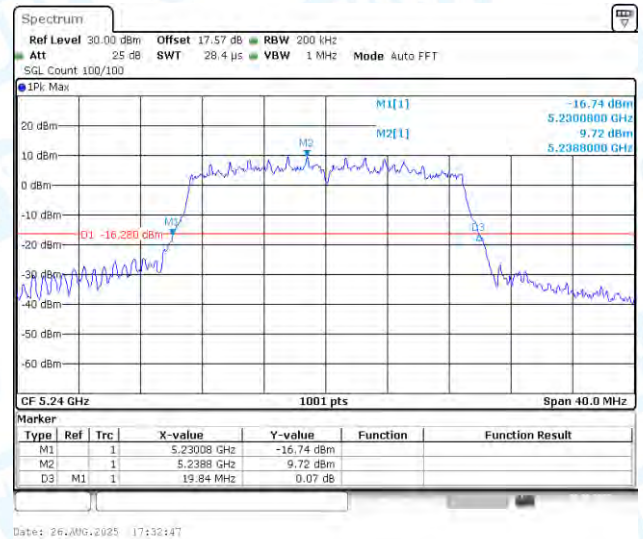
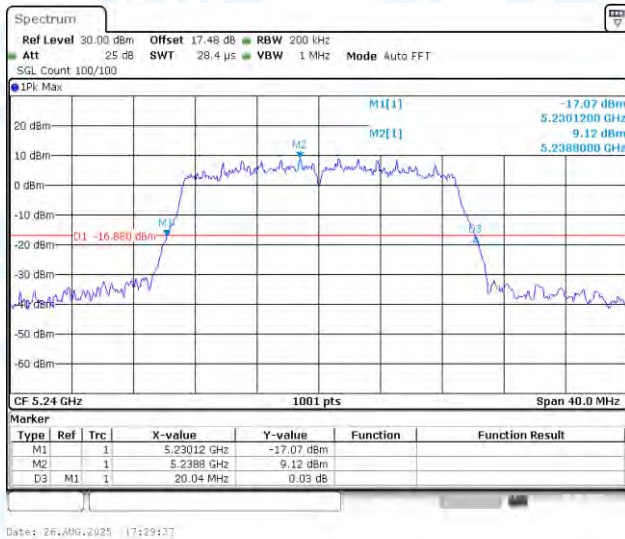
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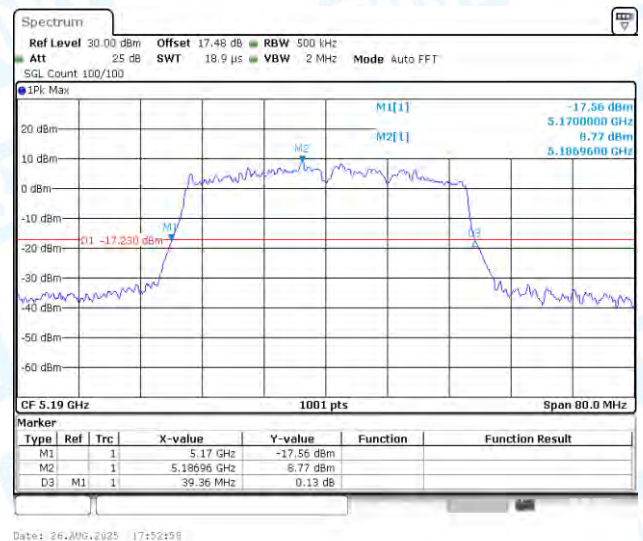
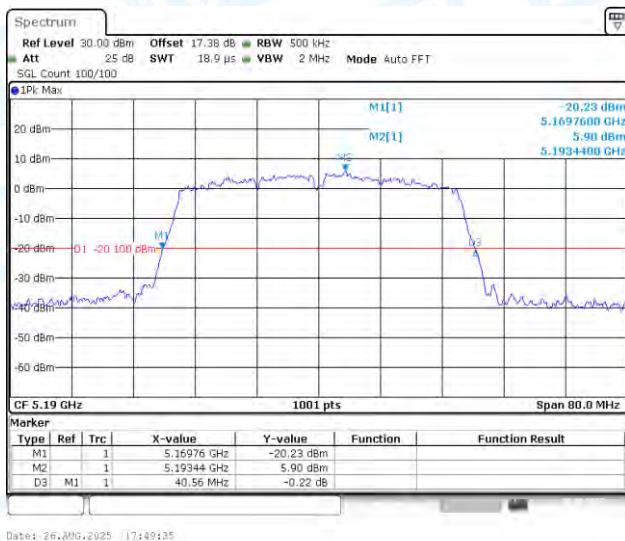
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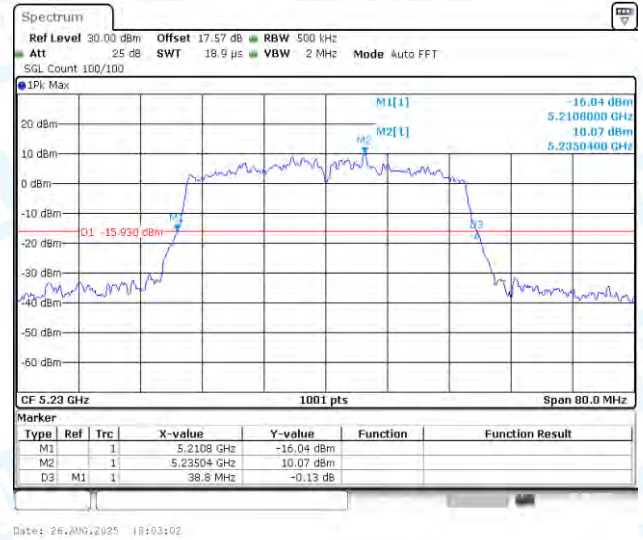
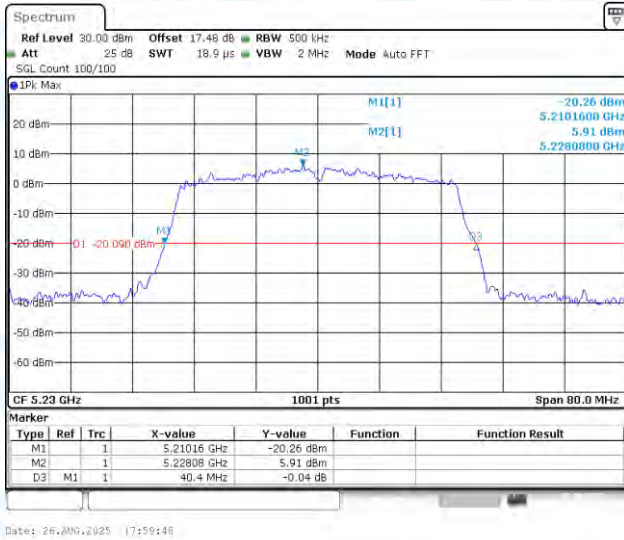
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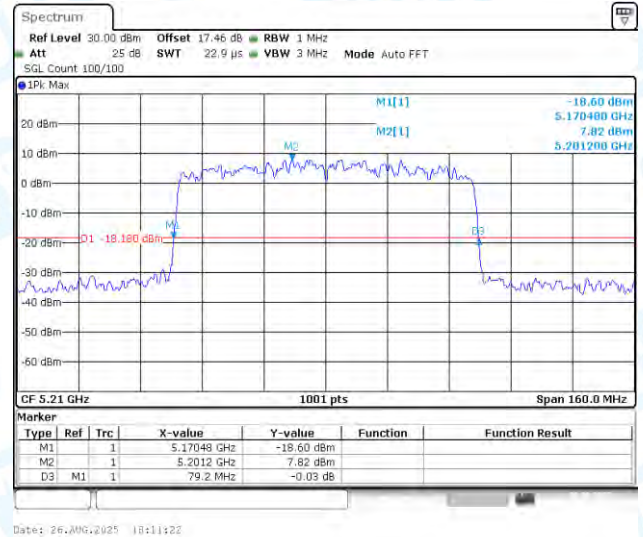
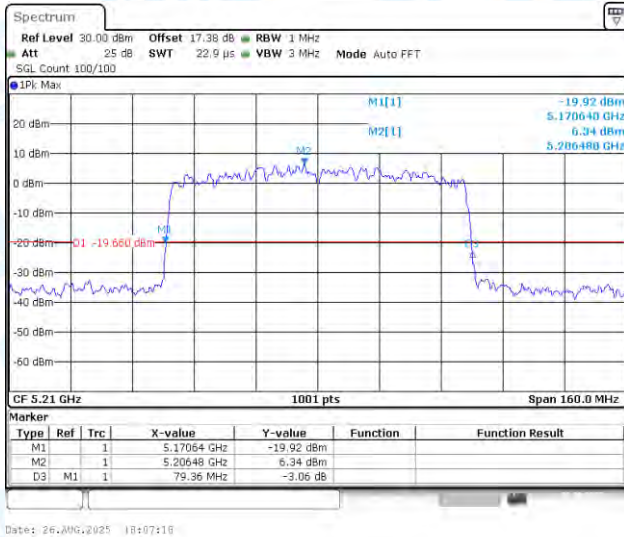
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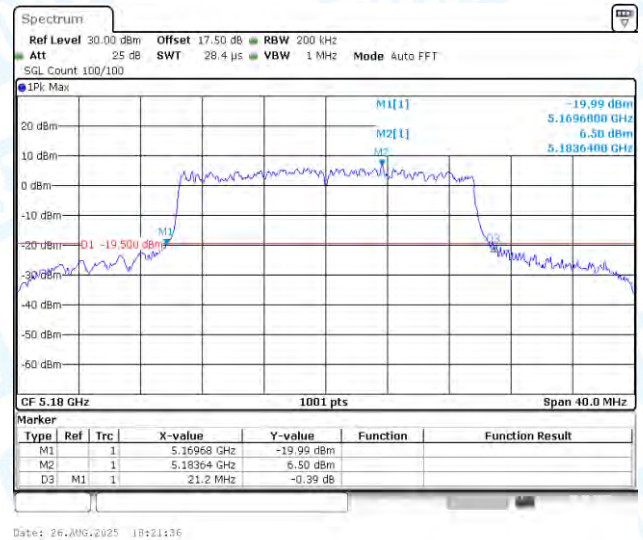
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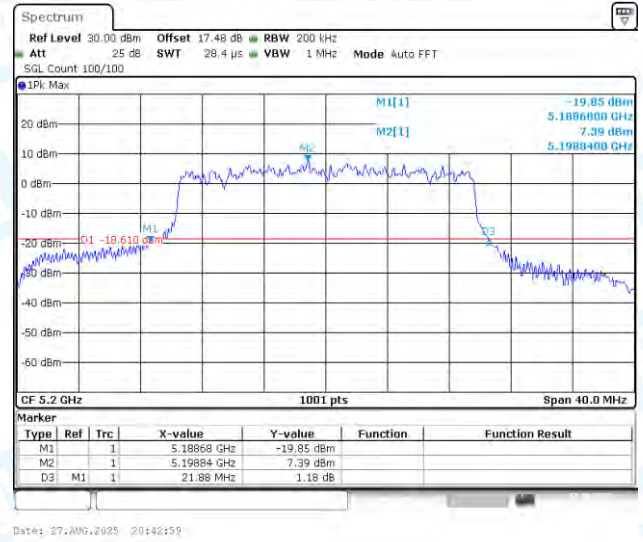
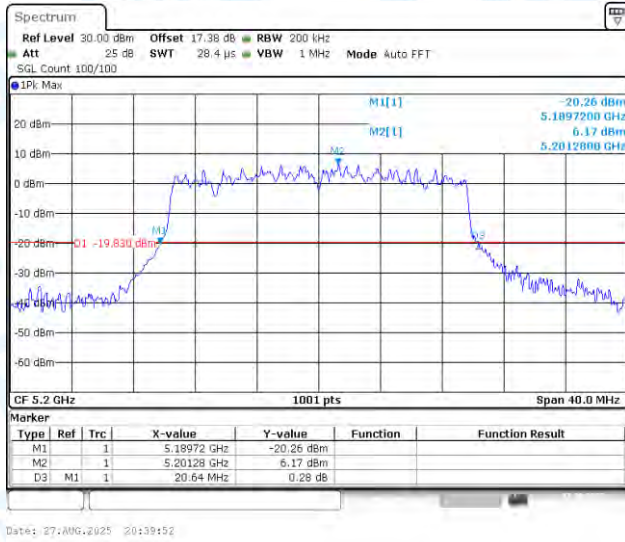
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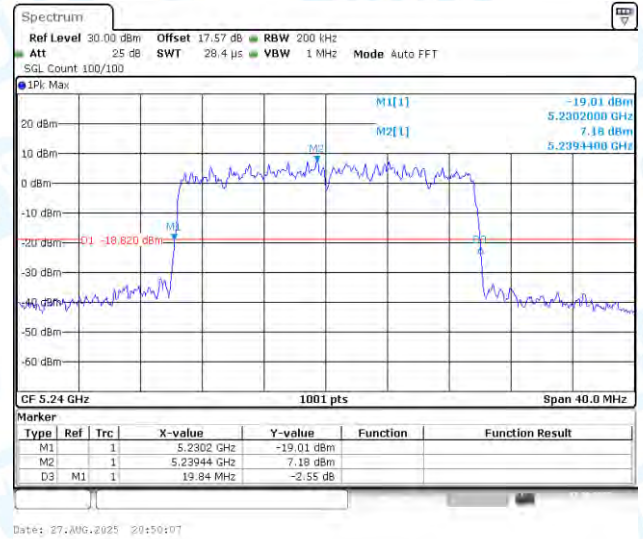
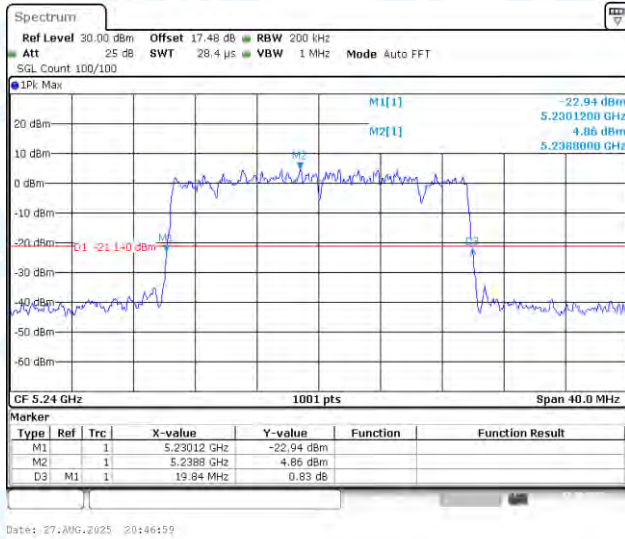
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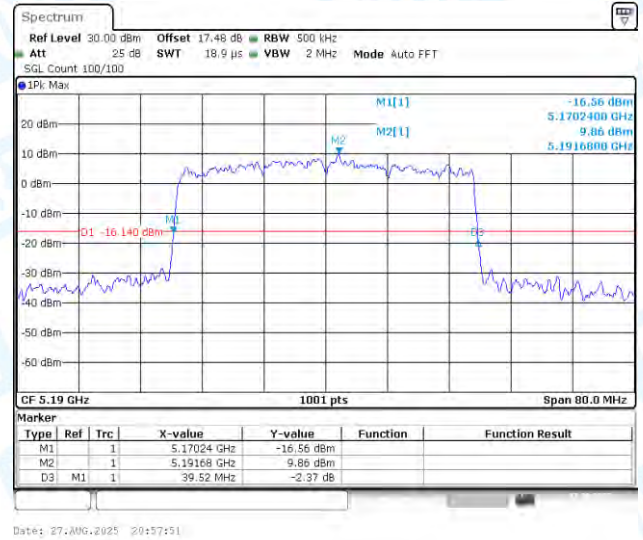
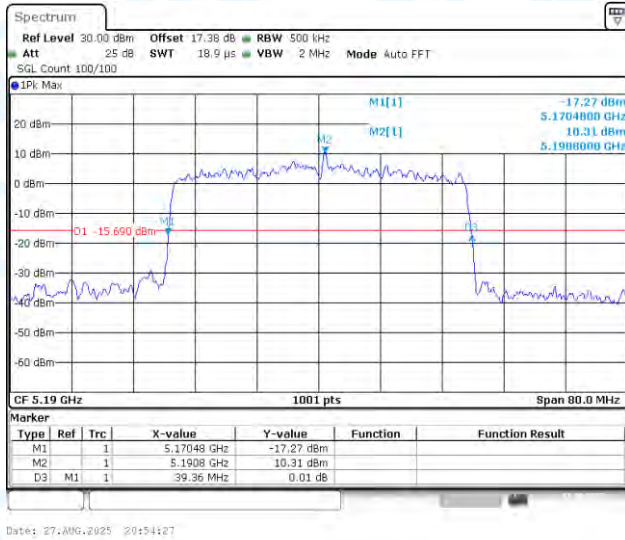
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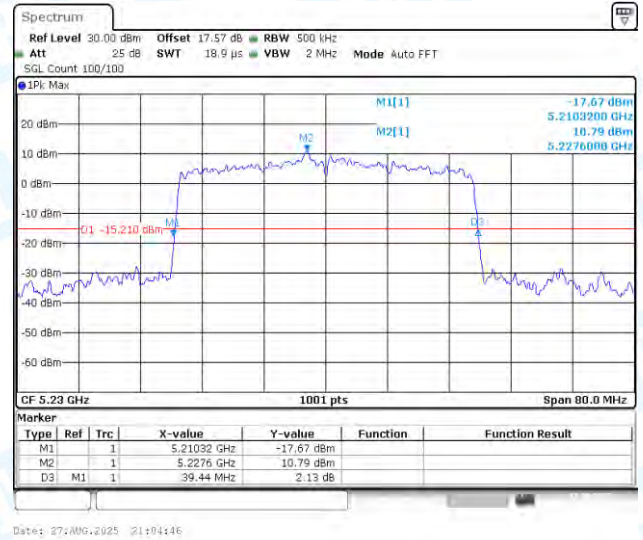
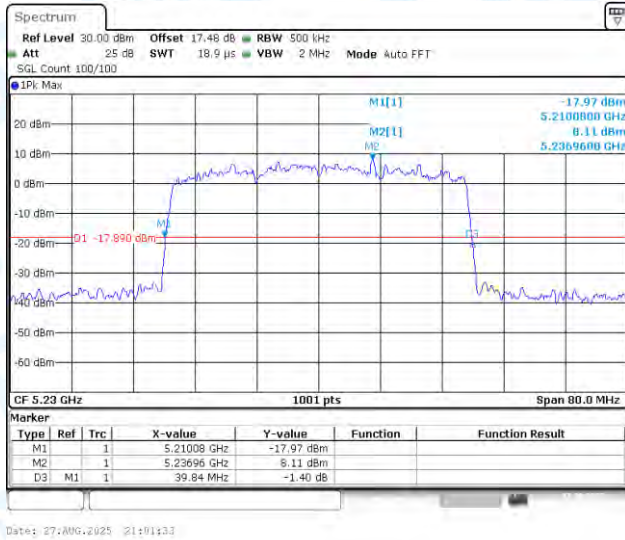
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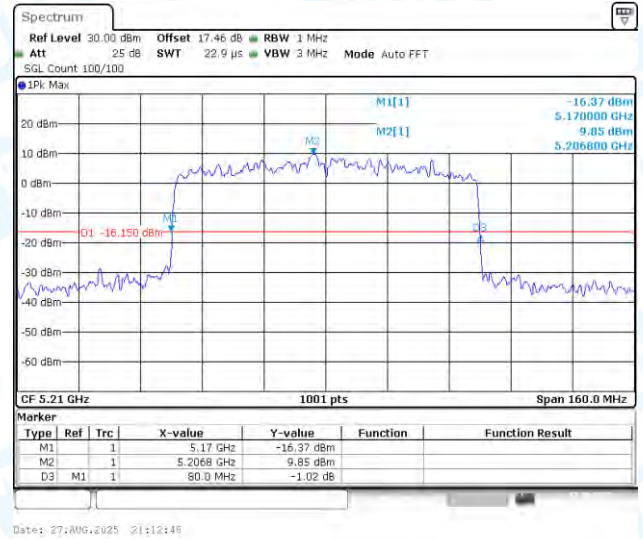
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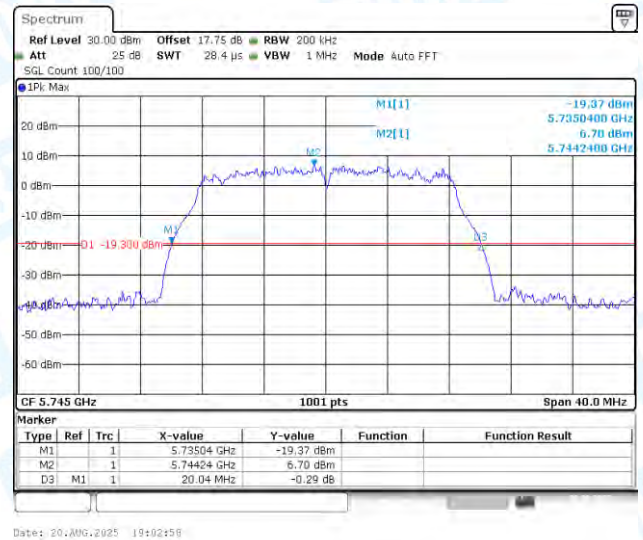
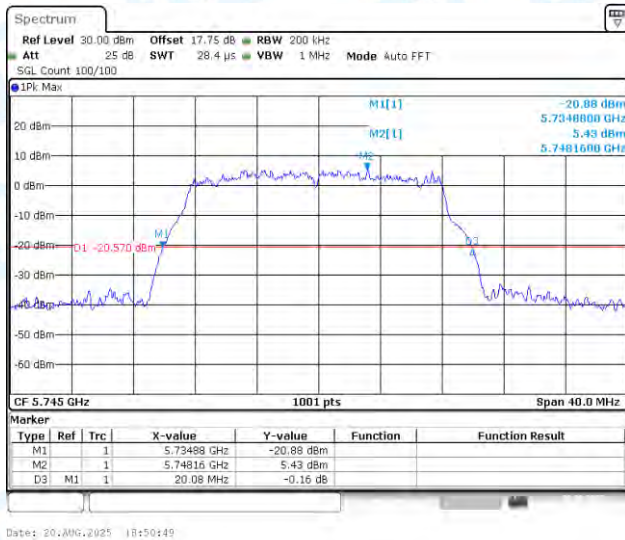
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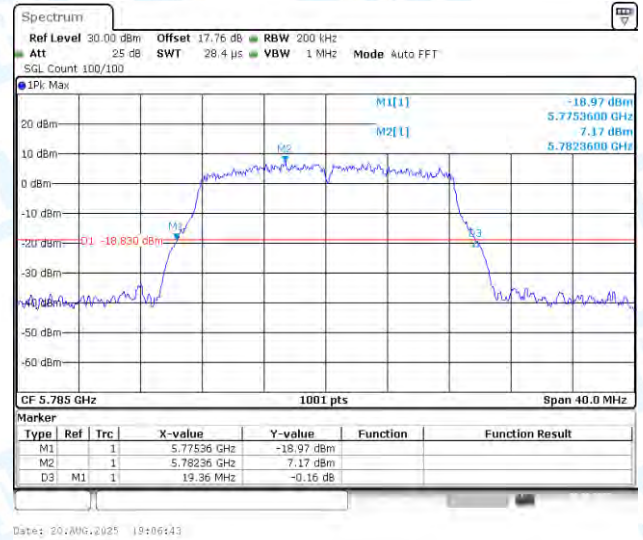
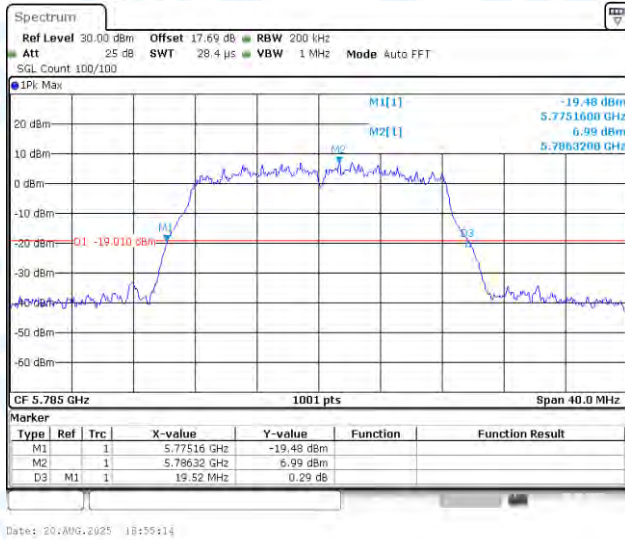
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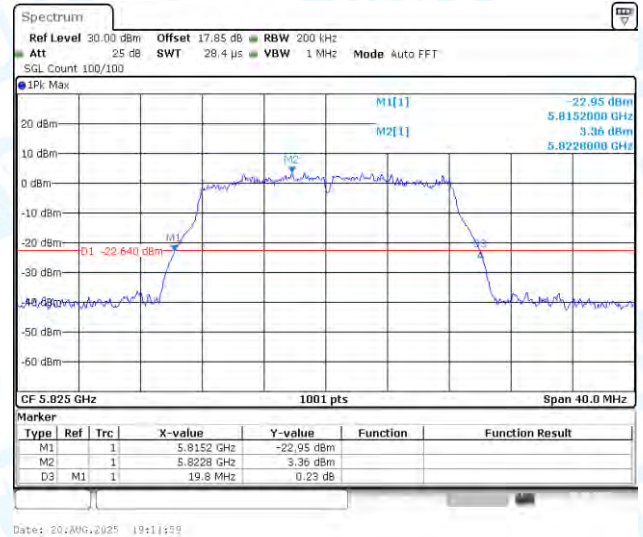
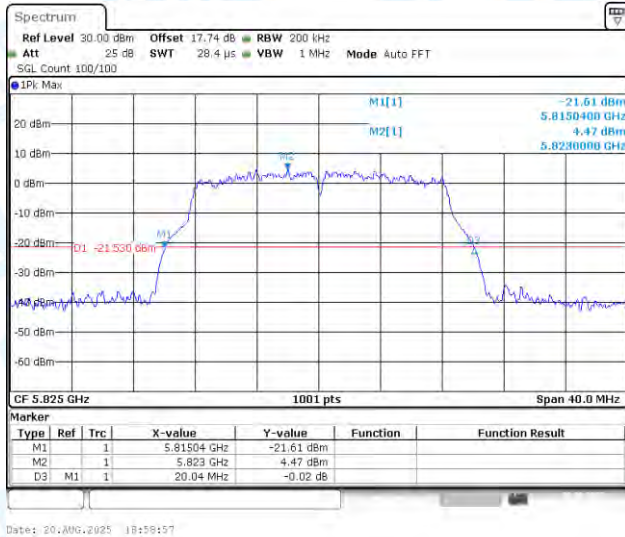
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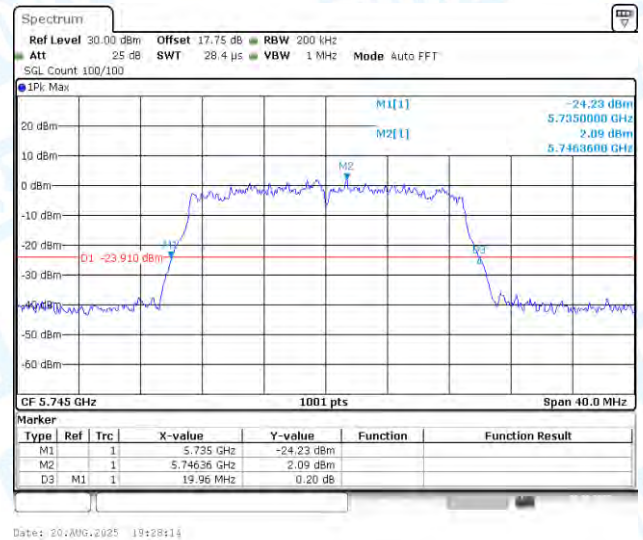
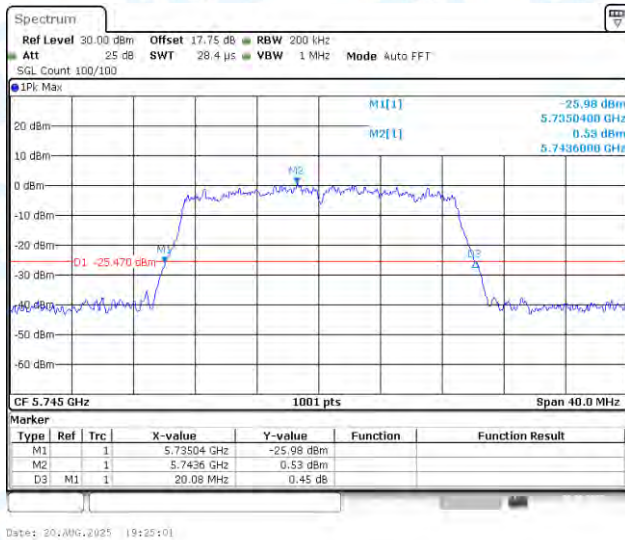
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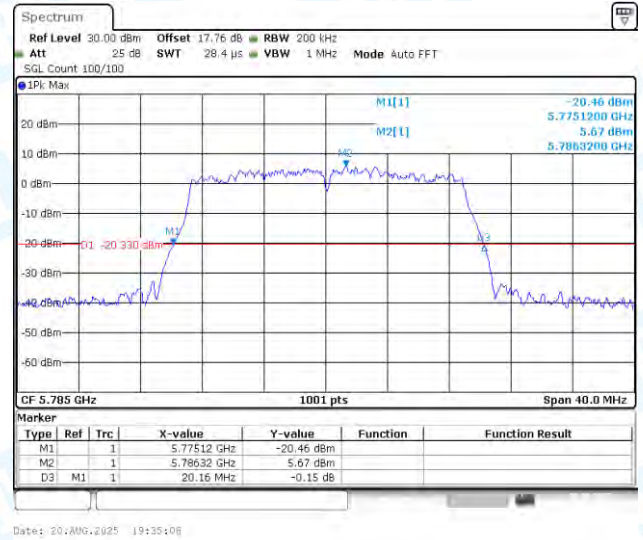
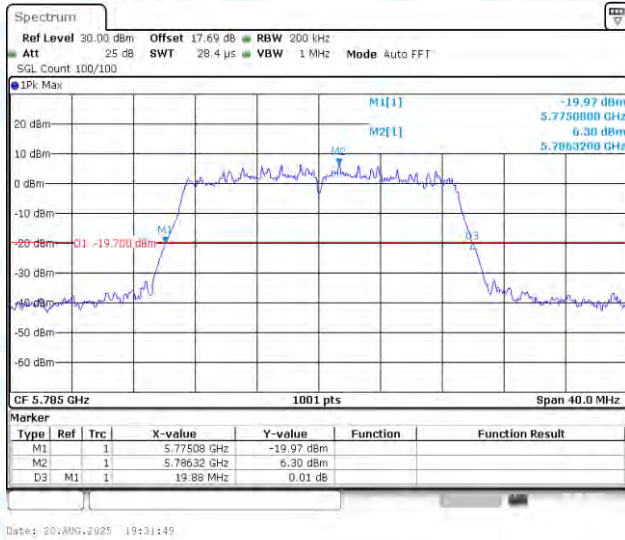
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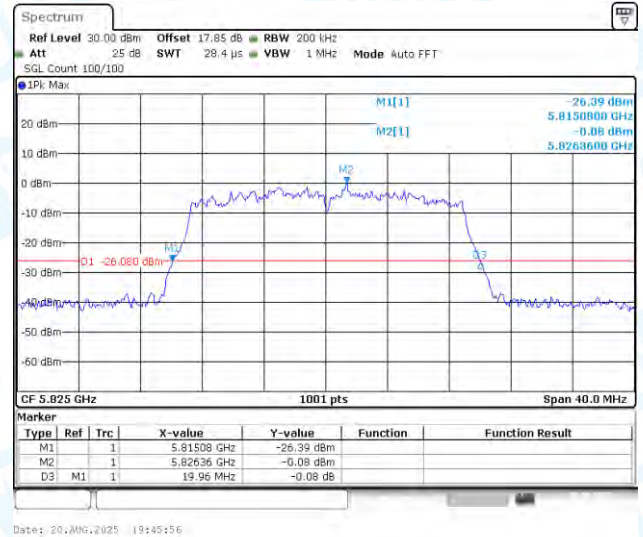
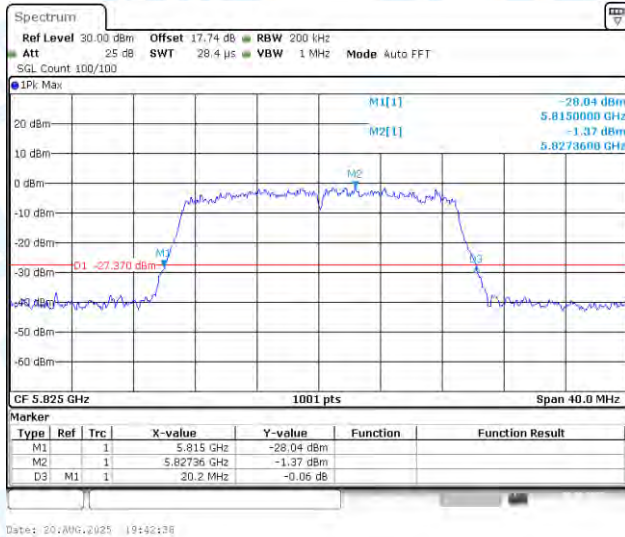
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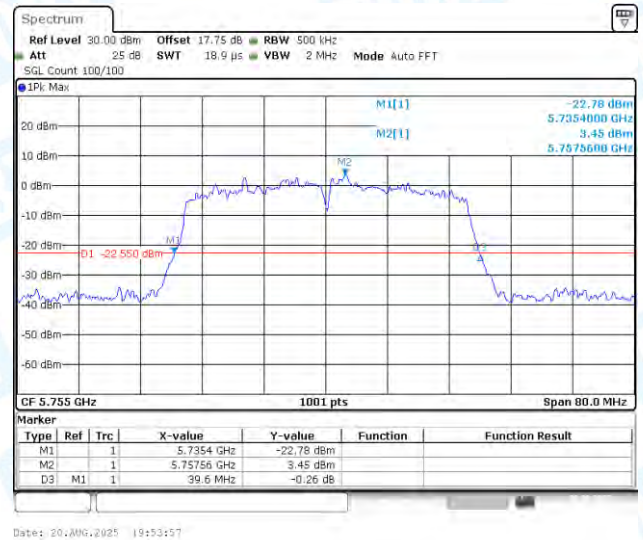
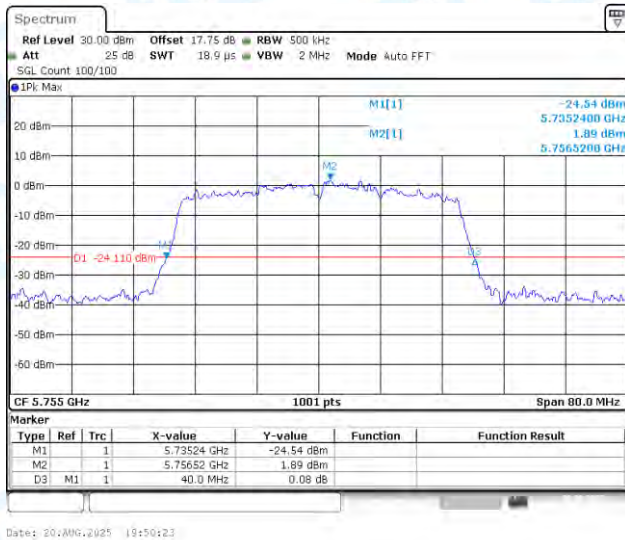
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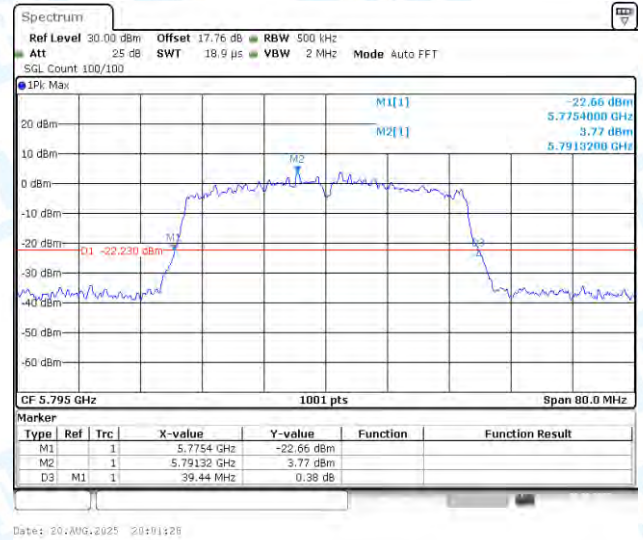
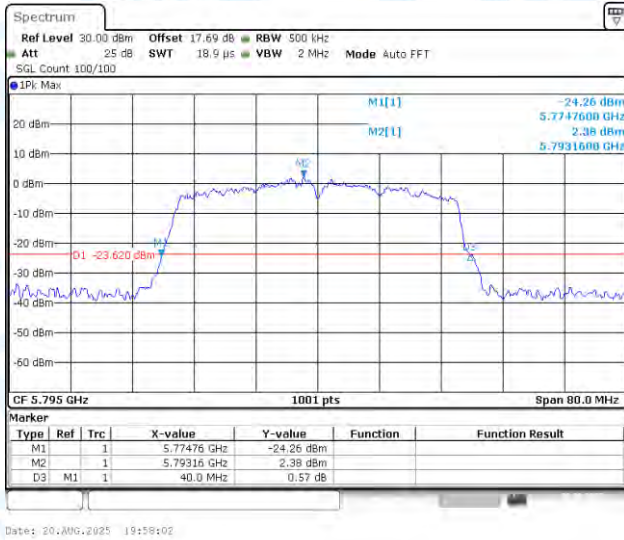
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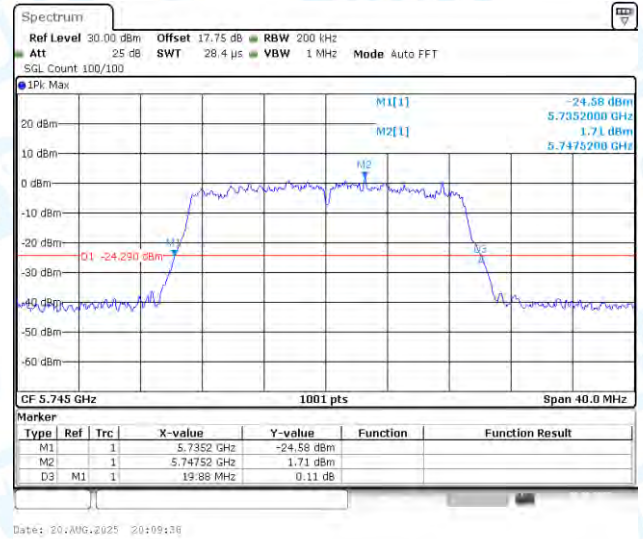
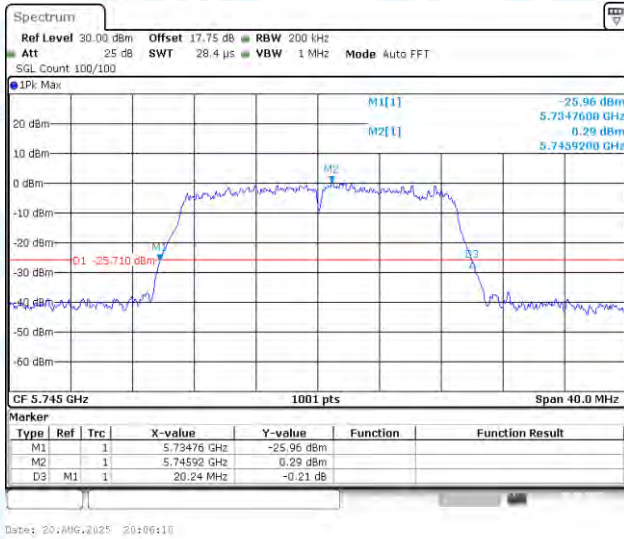
11N40MIMO-Ant1-5755

11N40MIMO-Ant2-5755



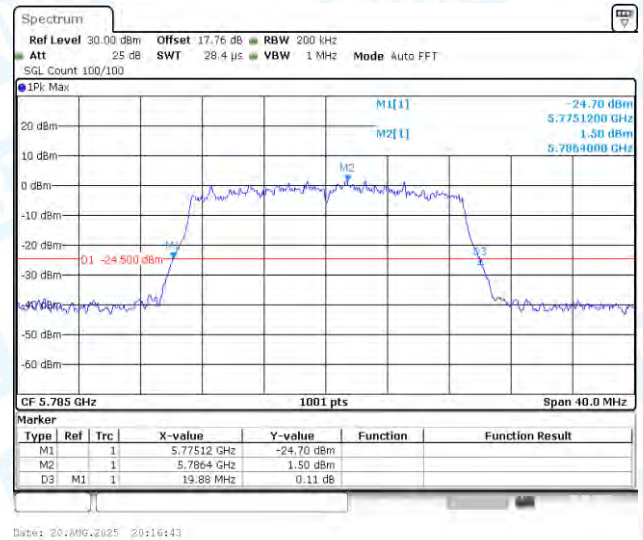
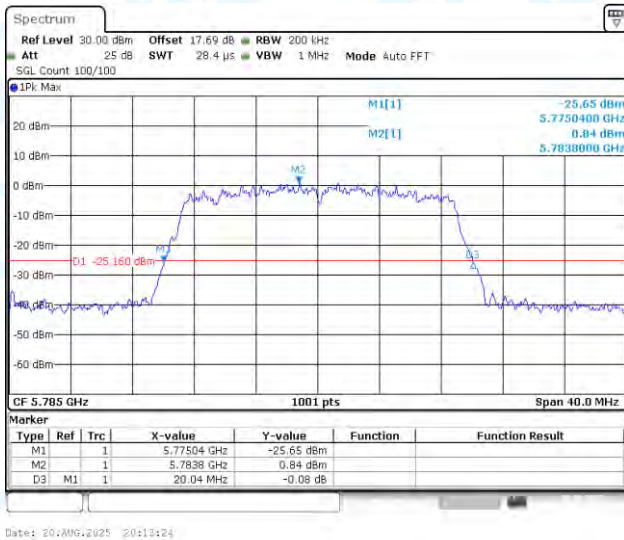
11N40MIMO-Ant1-5795

11N40MIMO-Ant2-5795



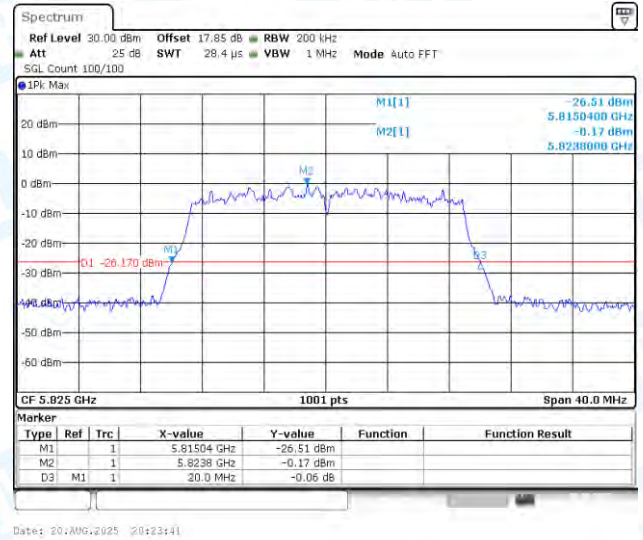
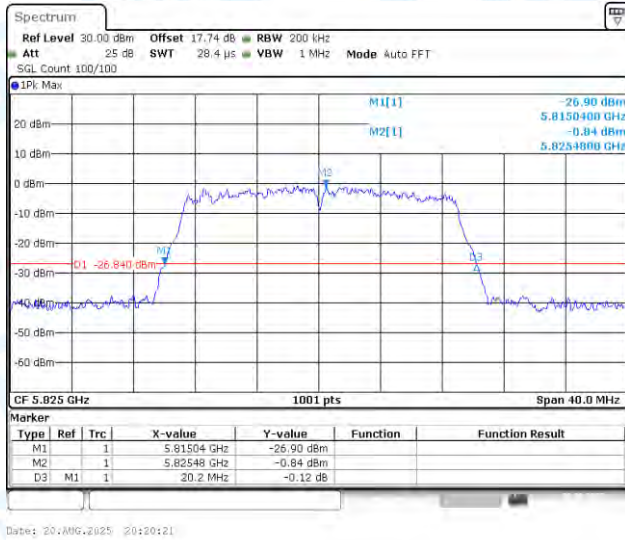
11AC20MIMO-Ant1-5745

11AC20MIMO-Ant2-5745



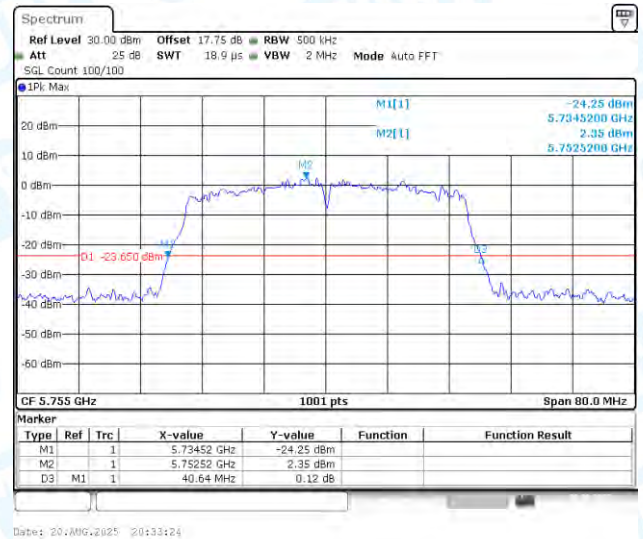
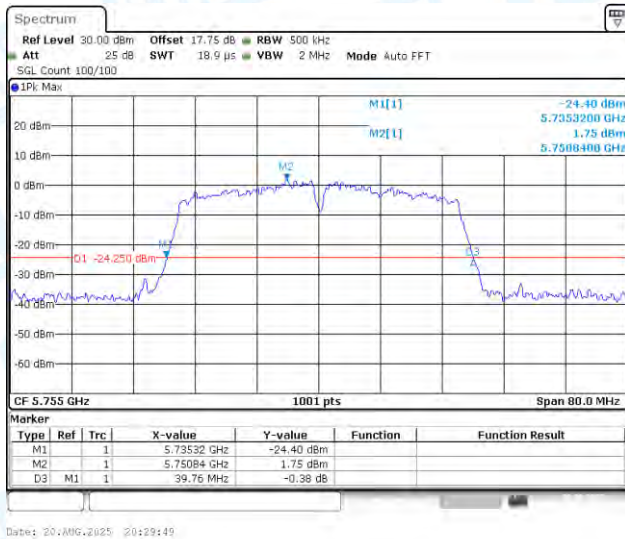
11AC20MIMO-Ant1-5785

11AC20MIMO-Ant2-5785



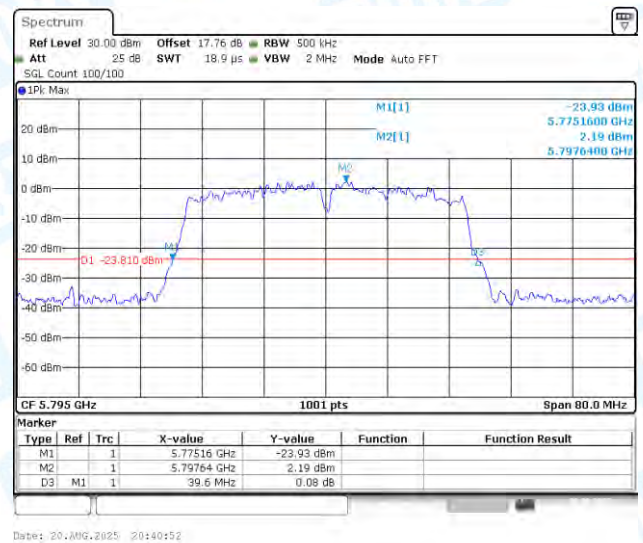
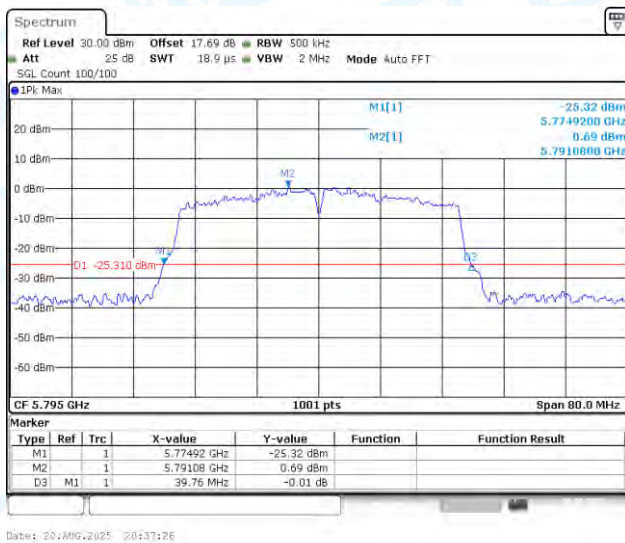
11AC20MIMO-Ant1-5825

11AC20MIMO-Ant2-5825



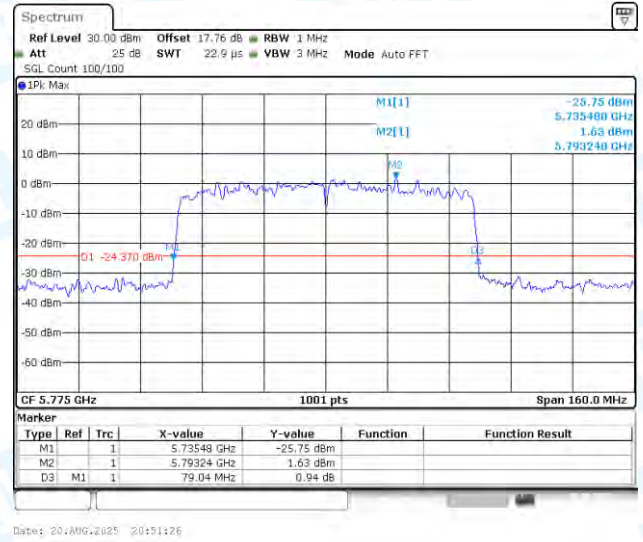
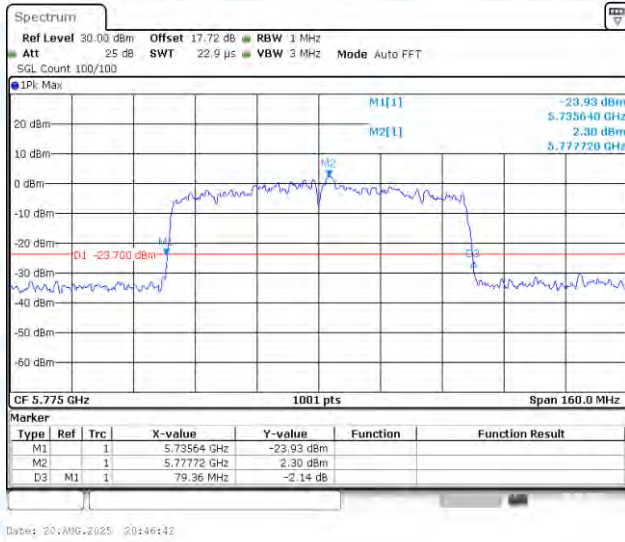
11AC40MIMO-Ant1-5755

11AC40MIMO-Ant2-5755



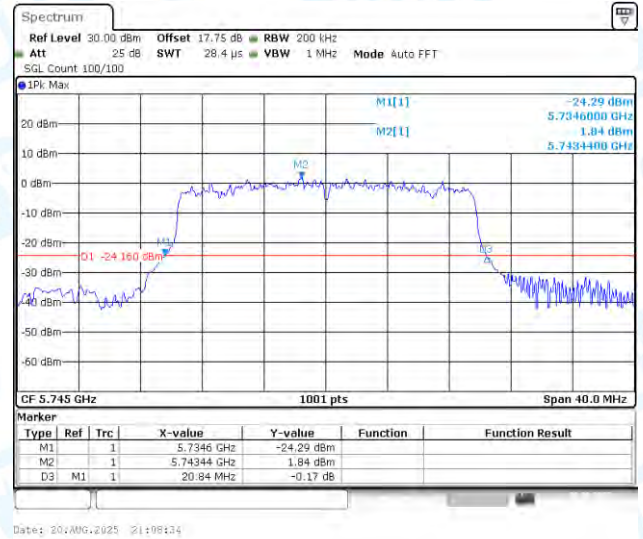
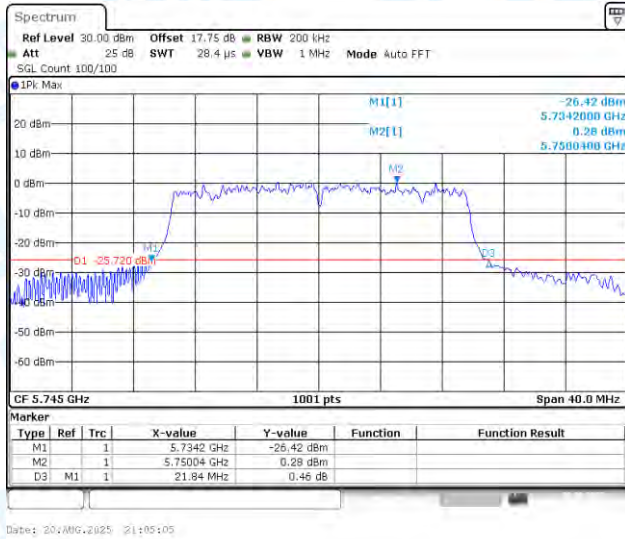
11AC40MIMO-Ant1-5795

11AC40MIMO-Ant2-5795



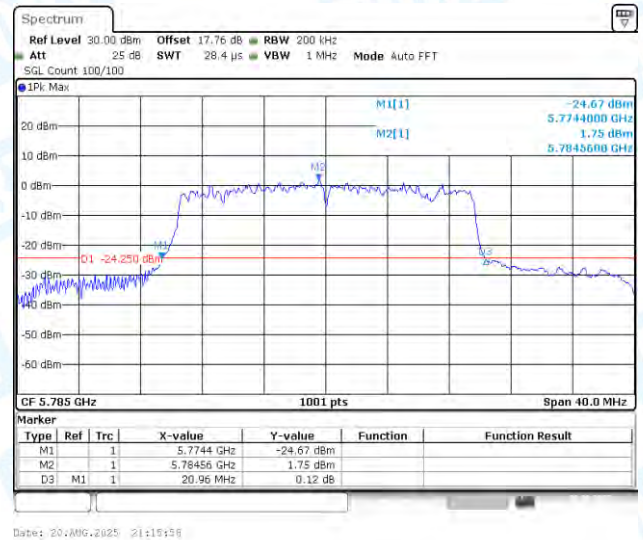
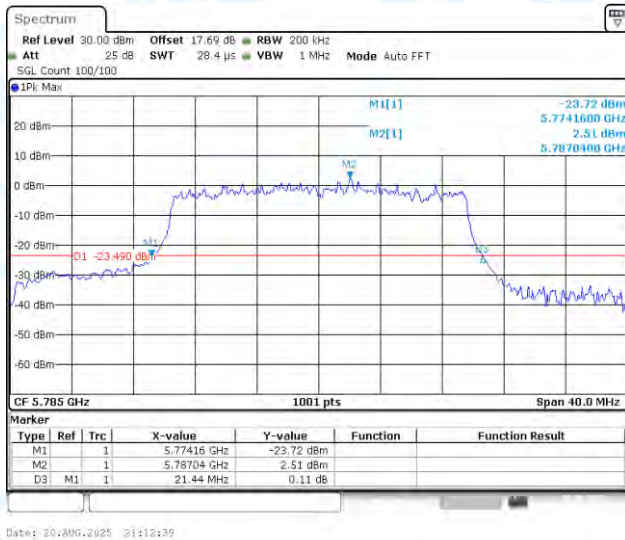
11AC80MIMO-Ant1-5775

11AC80MIMO-Ant2-5775



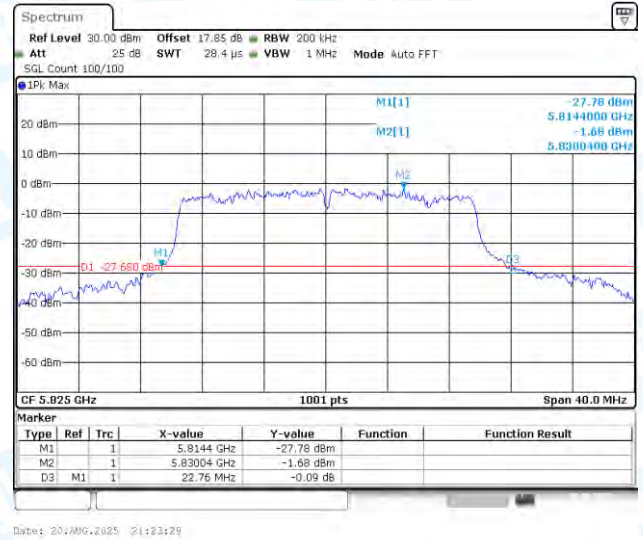
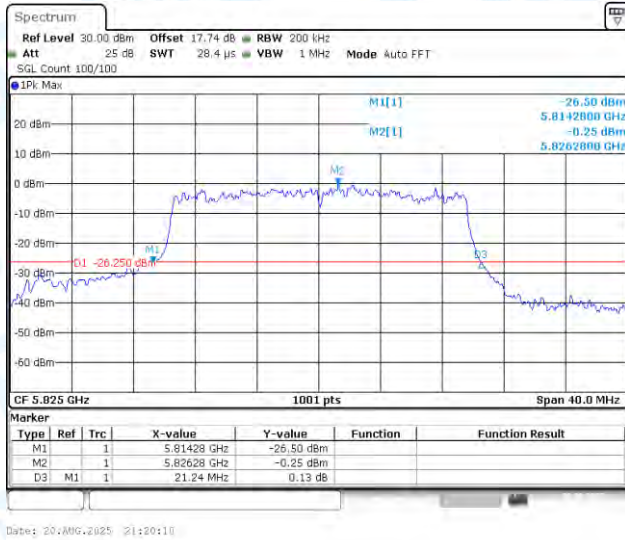
11AX20MIMO-Ant1-5745

11AX20MIMO-Ant2-5745



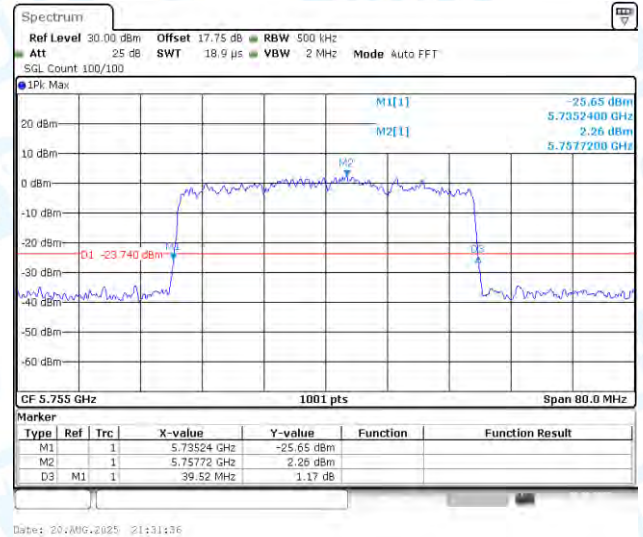
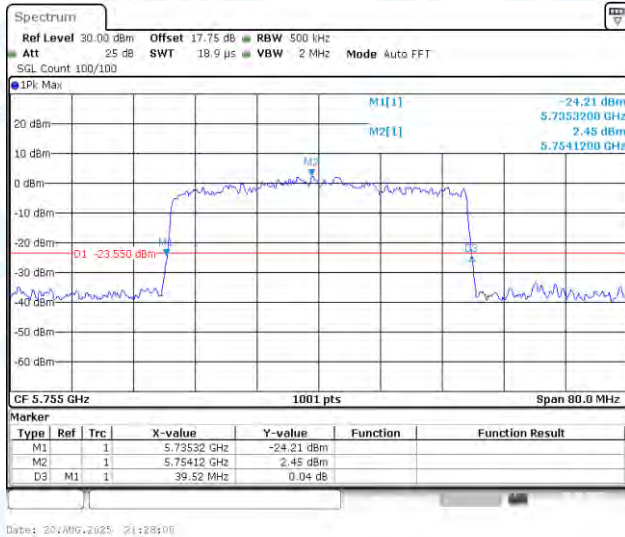
11AX20MIMO-Ant1-5785

11AX20MIMO-Ant2-5785



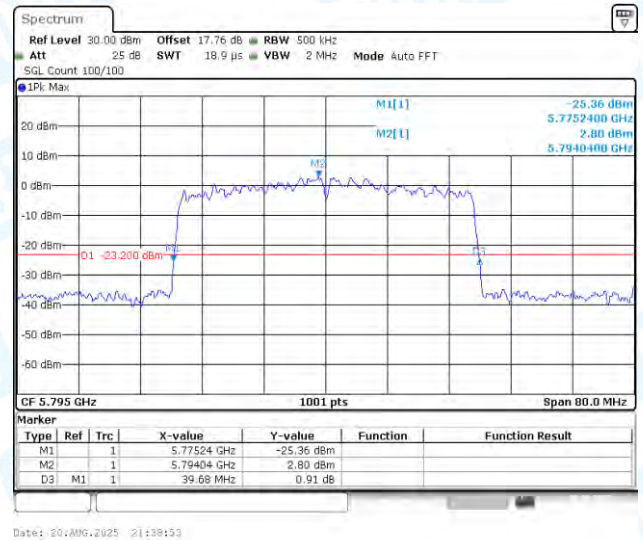
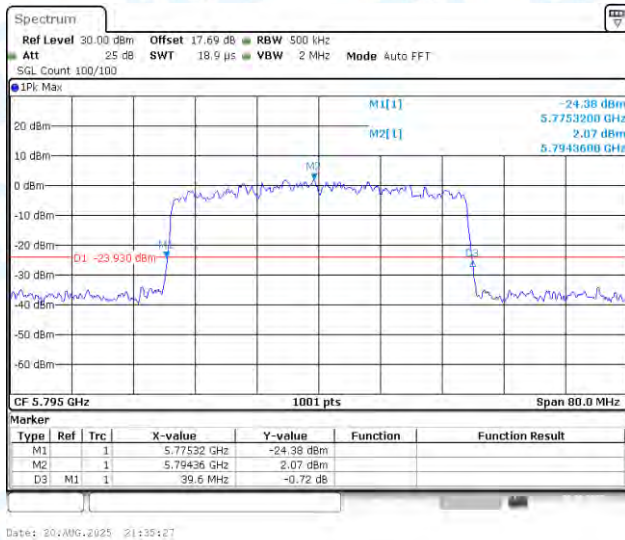
11AX20MIMO-Ant1-5825

11AX20MIMO-Ant2-5825



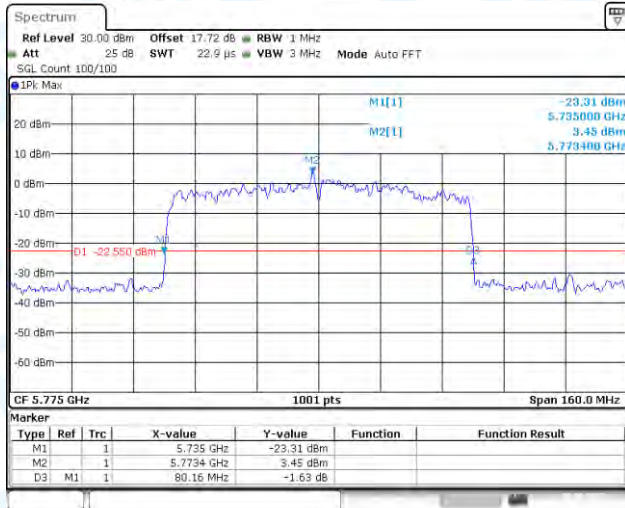
11AX40MIMO-Ant1-5755

11AX40MIMO-Ant2-5755

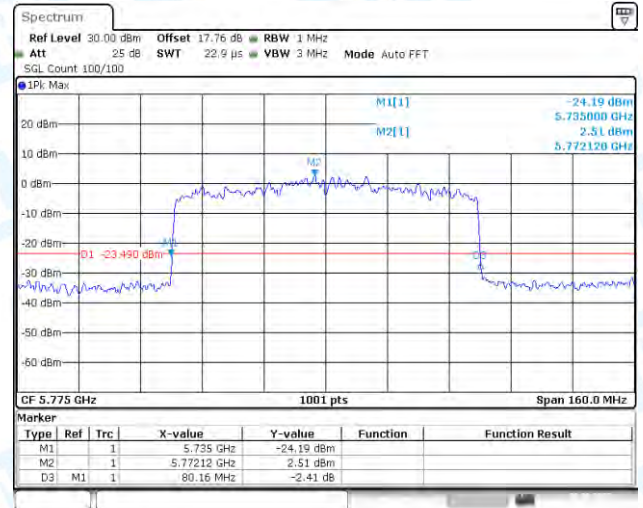


11AX40MIMO-Ant1-5795

11AX40MIMO-Ant2-5795



11AX80MIMO-Ant1-5775



11AX80MIMO-Ant2-5775

2: Occupied channel bandwidth

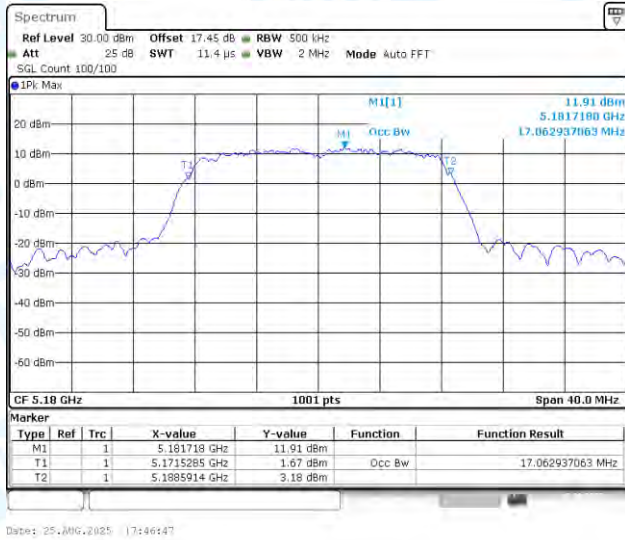
2.1 Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.063	5171.5285	5188.5914	---	---
11A	Ant2	5180	16.943	5171.6484	5188.5914	---	---
11A	Ant1	5200	16.543	5191.8082	5208.3516	---	---
11A	Ant2	5200	17.023	5191.5285	5208.5514	---	---
11A	Ant1	5240	17.303	5231.3287	5248.6314	---	---
11A	Ant2	5240	16.943	5231.6484	5248.5914	---	---
11N20MIMO	Ant1	5180	17.702	5171.0090	5188.7113	---	---
11N20MIMO	Ant2	5180	17.822	5171.0490	5188.8711	---	---
11N20MIMO	Ant1	5200	17.782	5191.1688	5208.9510	---	---
11N20MIMO	Ant2	5200	17.782	5191.1688	5208.9510	---	---
11N20MIMO	Ant1	5240	17.822	5231.2088	5249.0310	---	---
11N20MIMO	Ant2	5240	17.702	5231.2488	5248.9510	---	---
11N40MIMO	Ant1	5190	36.284	5171.8581	5208.1419	---	---
11N40MIMO	Ant2	5190	35.724	5172.1778	5207.9021	---	---
11N40MIMO	Ant1	5230	36.124	5212.0180	5248.1419	---	---
11N40MIMO	Ant2	5230	36.044	5212.0979	5248.1419	---	---
11AC20MIMO	Ant1	5180	17.702	5171.2088	5188.9111	---	---
11AC20MIMO	Ant2	5180	17.702	5171.1688	5188.8711	---	---
11AC20MIMO	Ant1	5200	17.782	5191.1289	5208.9111	---	---
11AC20MIMO	Ant2	5200	17.782	5191.1289	5208.9111	---	---
11AC20MIMO	Ant1	5240	17.902	5231.1688	5249.0709	---	---
11AC20MIMO	Ant2	5240	17.902	5231.1289	5249.0310	---	---
11AC40MIMO	Ant1	5190	35.724	5172.1778	5207.9021	---	---
11AC40MIMO	Ant2	5190	36.044	5171.9381	5207.9820	---	---
11AC40MIMO	Ant1	5230	35.804	5212.1778	5247.9820	---	---
11AC40MIMO	Ant2	5230	36.044	5212.0979	5248.1419	---	---
11AC80MIMO	Ant1	5210	74.965	5172.5974	5247.5624	---	---
11AC80MIMO	Ant2	5210	74.645	5172.7572	5247.4026	---	---
11AX20MIMO	Ant1	5180	19.341	5170.5295	5189.8701	---	---
11AX20MIMO	Ant2	5180	19.101	5170.5295	5189.6304	---	---
11AX20MIMO	Ant1	5200	19.101	5190.5694	5209.6703	---	---
11AX20MIMO	Ant2	5200	19.061	5190.5694	5209.6304	---	---
11AX20MIMO	Ant1	5240	19.021	5230.5295	5249.5504	---	---
11AX20MIMO	Ant2	5240	19.021	5230.5694	5249.5904	---	---
11AX40MIMO	Ant1	5190	37.562	5171.2188	5208.7812	---	---
11AX40MIMO	Ant2	5190	37.802	5171.1389	5208.9411	---	---
11AX40MIMO	Ant1	5230	37.642	5211.2188	5248.8611	---	---
11AX40MIMO	Ant2	5230	37.562	5211.1389	5248.7013	---	---
11AX80MIMO	Ant1	5210	76.883	5171.7982	5248.6813	---	---
11AX80MIMO	Ant2	5210	76.883	5171.4785	5248.3616	---	---

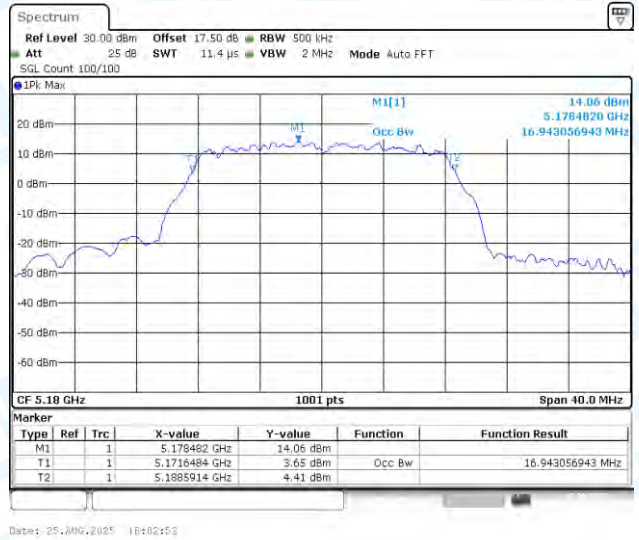
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.863	5736.4086	5753.2717	---	---
11A	Ant2	5745	16.983	5736.5684	5753.5514	---	---
11A	Ant1	5785	16.783	5776.7682	5793.5514	---	---
11A	Ant2	5785	17.103	5776.5285	5793.6314	---	---
11A	Ant1	5825	16.663	5816.7682	5833.4316	---	---
11A	Ant2	5825	16.663	5816.9281	5833.5914	---	---
11N20MIMO	Ant1	5745	17.902	5736.1289	5754.0310	---	---
11N20MIMO	Ant2	5745	17.942	5736.1289	5754.0709	---	---
11N20MIMO	Ant1	5785	17.782	5776.1688	5793.9510	---	---
11N20MIMO	Ant2	5785	17.782	5776.1688	5793.9510	---	---
11N20MIMO	Ant1	5825	17.822	5816.2088	5834.0310	---	---
11N20MIMO	Ant2	5825	17.862	5816.0889	5833.9510	---	---
11N40MIMO	Ant1	5755	35.964	5737.0180	5772.9820	---	---
11N40MIMO	Ant2	5755	36.284	5737.0180	5773.3017	---	---
11N40MIMO	Ant1	5795	35.964	5777.0979	5813.0619	---	---
11N40MIMO	Ant2	5795	35.884	5777.0979	5812.9820	---	---
11AC20MIMO	Ant1	5745	18.102	5735.9690	5754.0709	---	---
11AC20MIMO	Ant2	5745	17.822	5736.1289	5753.9510	---	---
11AC20MIMO	Ant1	5785	17.822	5776.1289	5793.9510	---	---
11AC20MIMO	Ant2	5785	17.822	5776.1289	5793.9510	---	---
11AC20MIMO	Ant1	5825	17.982	5816.0090	5833.9910	---	---
11AC20MIMO	Ant2	5825	17.782	5816.1688	5833.9510	---	---
11AC40MIMO	Ant1	5755	35.804	5737.1778	5772.9820	---	---
11AC40MIMO	Ant2	5755	35.964	5736.9381	5772.9021	---	---
11AC40MIMO	Ant1	5795	36.284	5777.0180	5813.3017	---	---
11AC40MIMO	Ant2	5795	35.724	5777.1778	5812.9021	---	---
11AC80MIMO	Ant1	5775	75.604	5737.2777	5812.8821	---	---
11AC80MIMO	Ant2	5775	75.285	5737.5974	5812.8821	---	---
11AX20MIMO	Ant1	5745	19.101	5735.5295	5754.6304	---	---
11AX20MIMO	Ant2	5745	19.261	5735.5295	5754.7902	---	---
11AX20MIMO	Ant1	5785	19.061	5775.4895	5794.5504	---	---
11AX20MIMO	Ant2	5785	19.061	5775.4895	5794.5504	---	---
11AX20MIMO	Ant1	5825	18.981	5815.6094	5834.5904	---	---
11AX20MIMO	Ant2	5825	19.021	5815.5694	5834.5904	---	---
11AX40MIMO	Ant1	5755	37.802	5736.2188	5774.0210	---	---
11AX40MIMO	Ant2	5755	37.642	5736.2987	5773.9411	---	---
11AX40MIMO	Ant1	5795	37.403	5776.4585	5813.8611	---	---
11AX40MIMO	Ant2	5795	37.562	5776.2188	5813.7812	---	---
11AX80MIMO	Ant1	5775	76.883	5736.7982	5813.6813	---	---
11AX80MIMO	Ant2	5775	76.723	5736.6384	5813.3616	---	---

Note: RF Conducted test Offset= cable loss+ Attenuator(10dB).

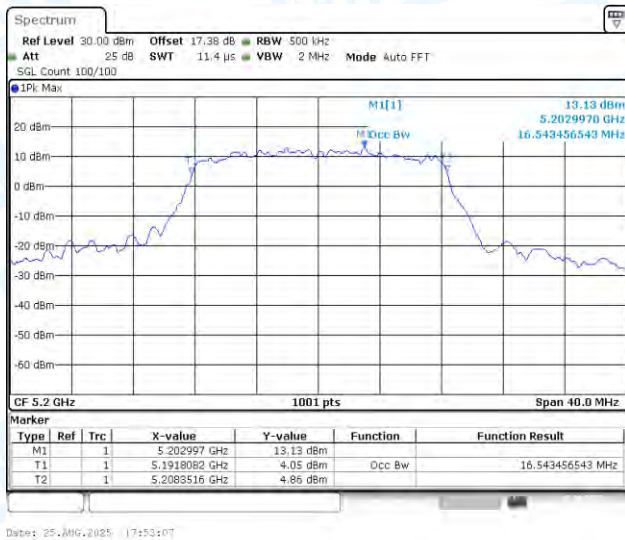
2.2 Test Graphs



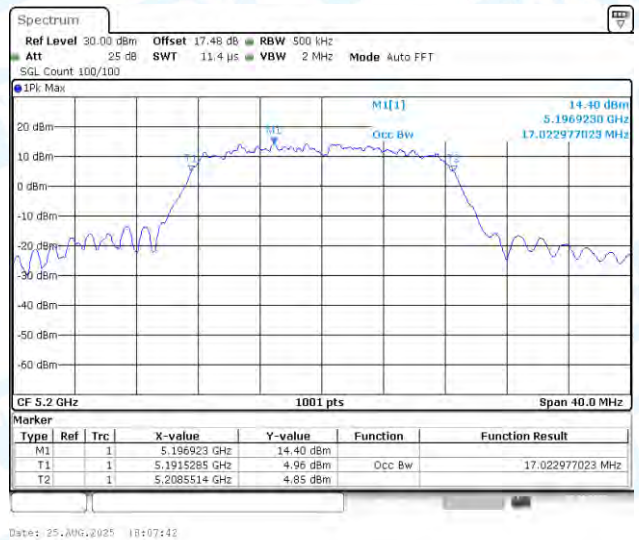
11A-Ant1-5180



11A-Ant2-5180



11A-Ant1-5200



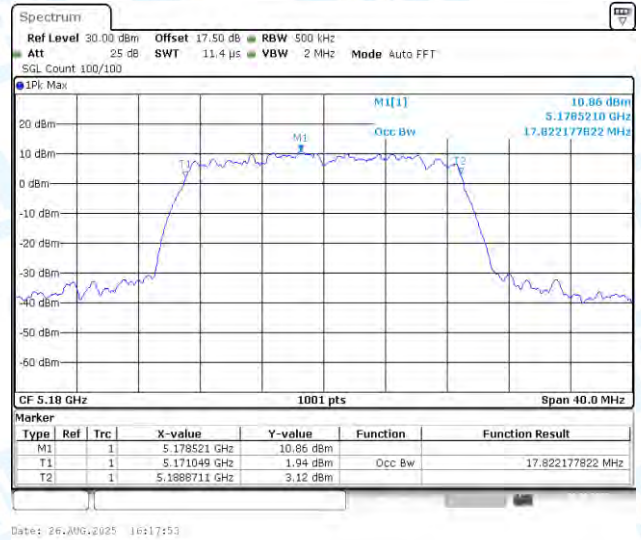
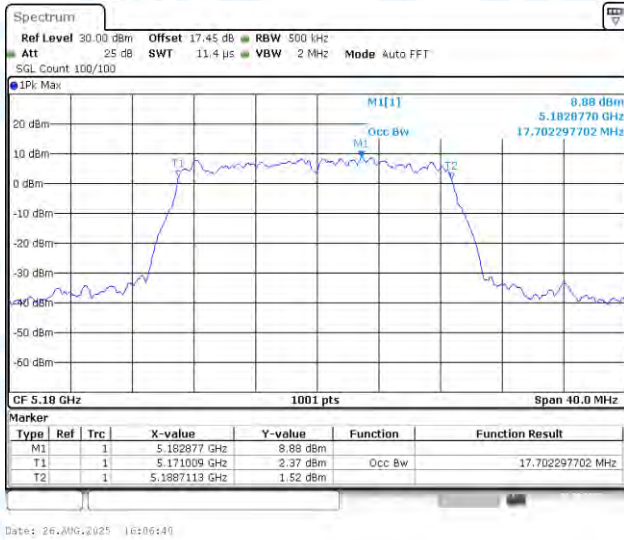
11A-Ant2-5200



11A-Ant1-5240

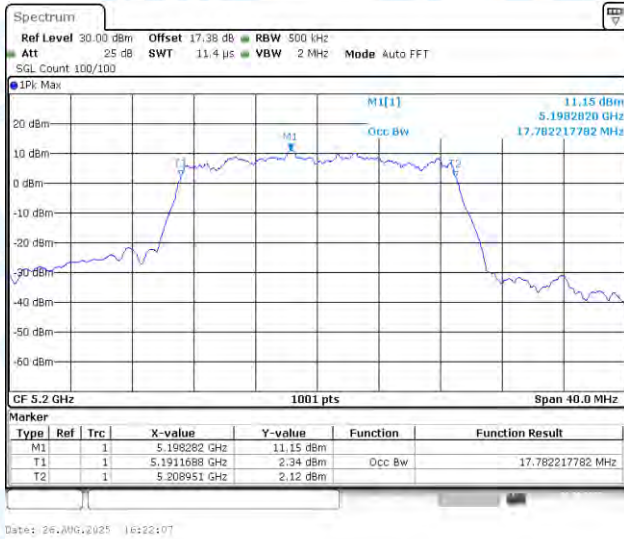


11A-Ant2-5240



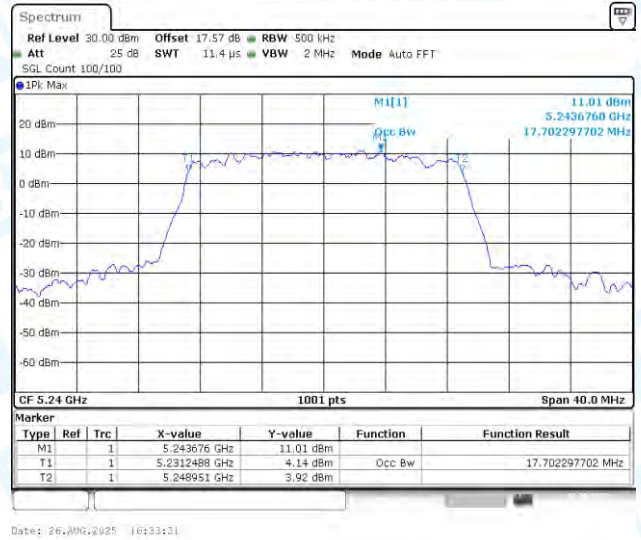
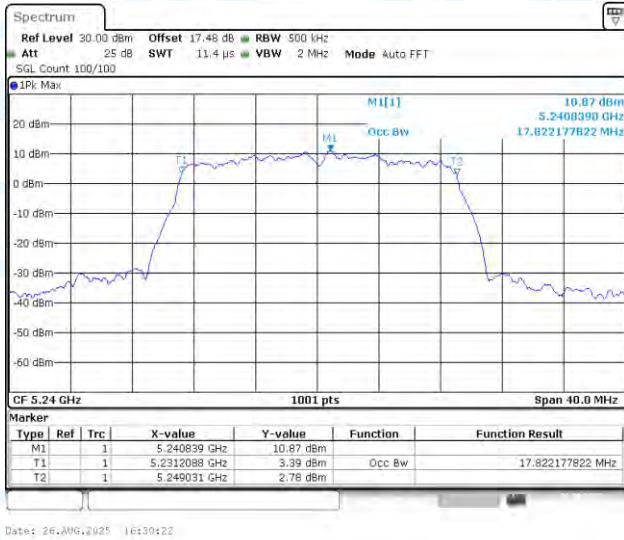
11N20MIMO-Ant1-5180

11N20MIMO-Ant2-5180



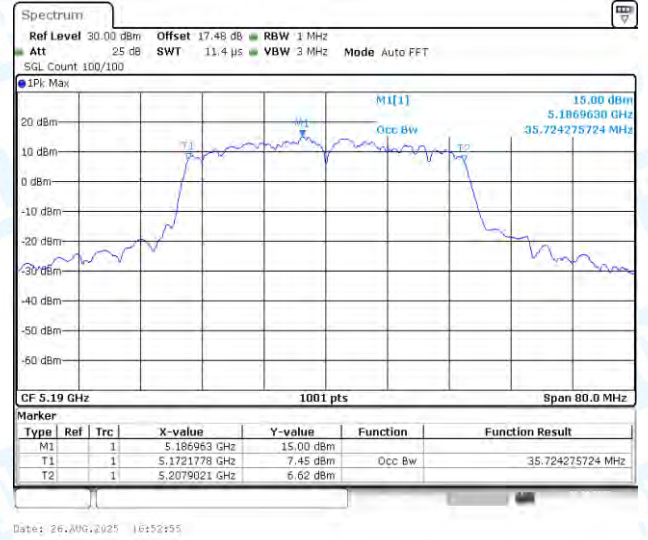
11N20MIMO-Ant1-5200

11N20MIMO-Ant2-5200



11N20MIMO-Ant1-5240

11N20MIMO-Ant2-5240



11N40MIMO-Ant1-5190

11N40MIMO-Ant2-5190



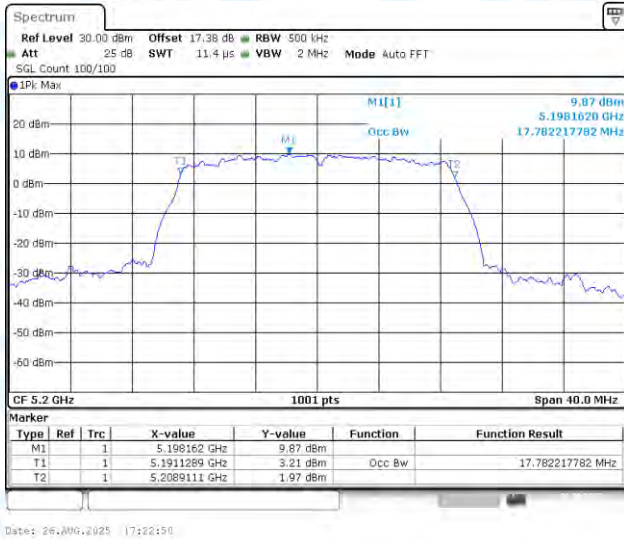
11N40MIMO-Ant1-5230

11N40MIMO-Ant2-5230



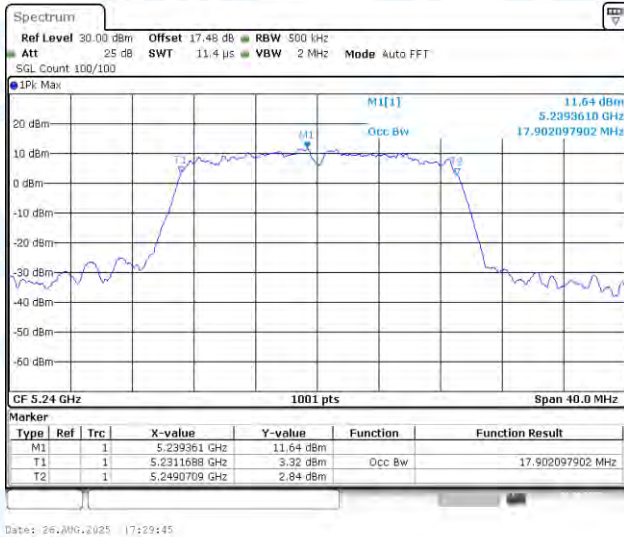
11AC20MIMO-Ant1-5180

11AC20MIMO-Ant2-5180



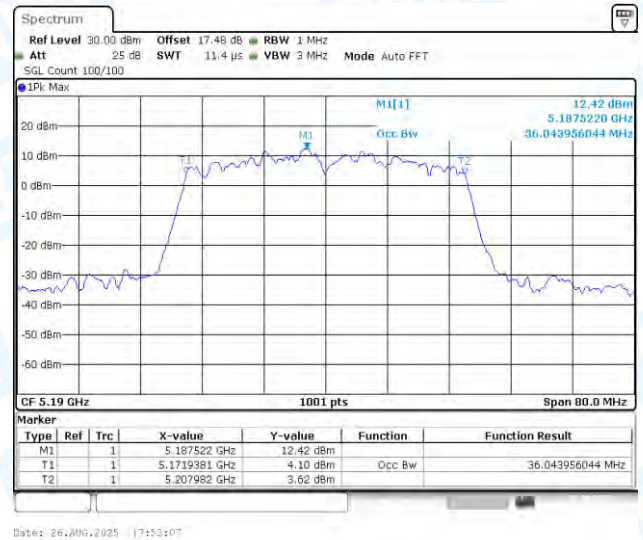
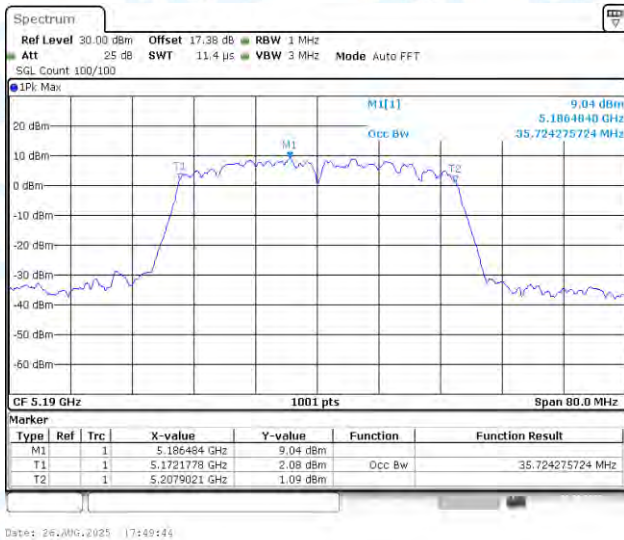
11AC20MIMO-Ant1-5200

11AC20MIMO-Ant2-5200



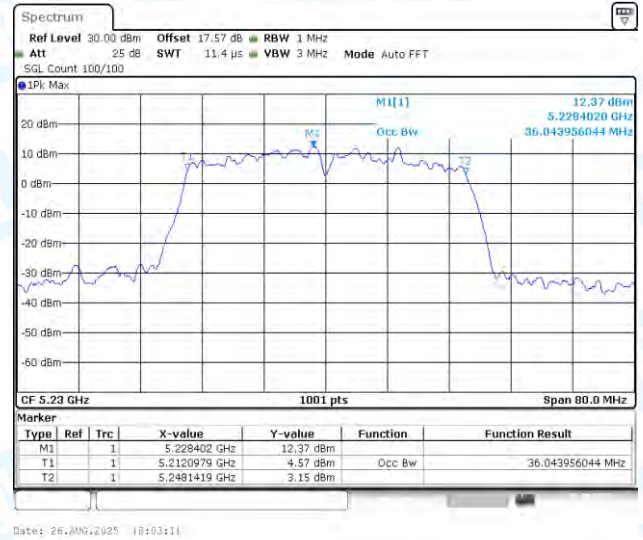
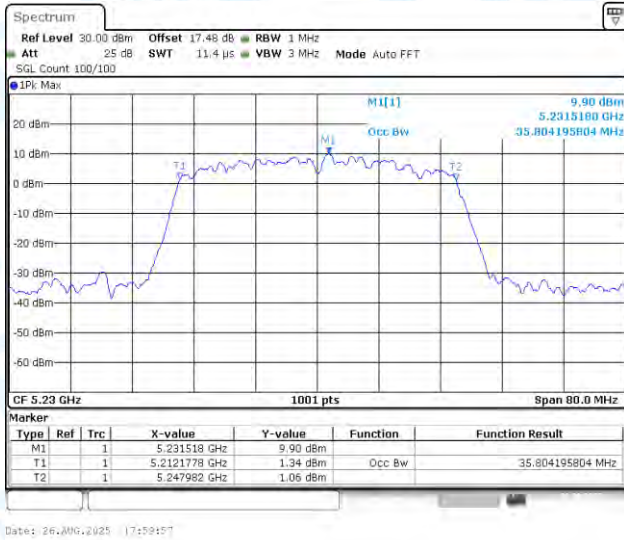
11AC20MIMO-Ant1-5240

11AC20MIMO-Ant2-5240



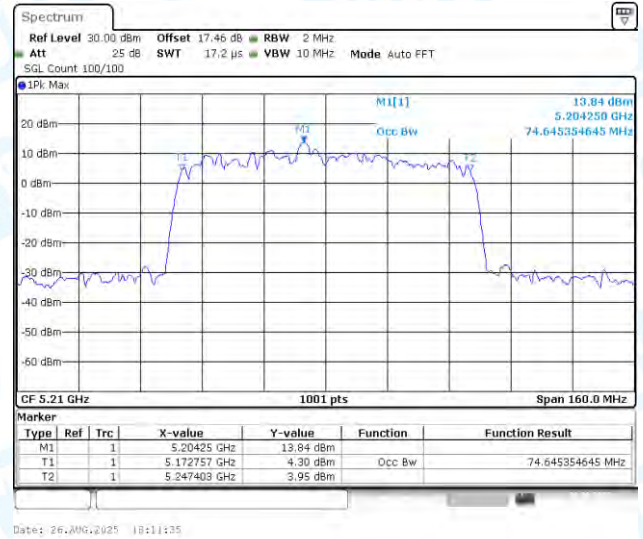
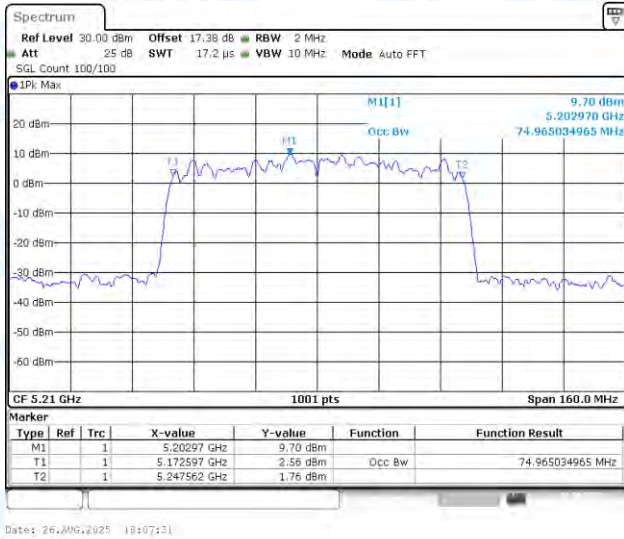
11AC40MIMO-Ant1-5190

11AC40MIMO-Ant2-5190



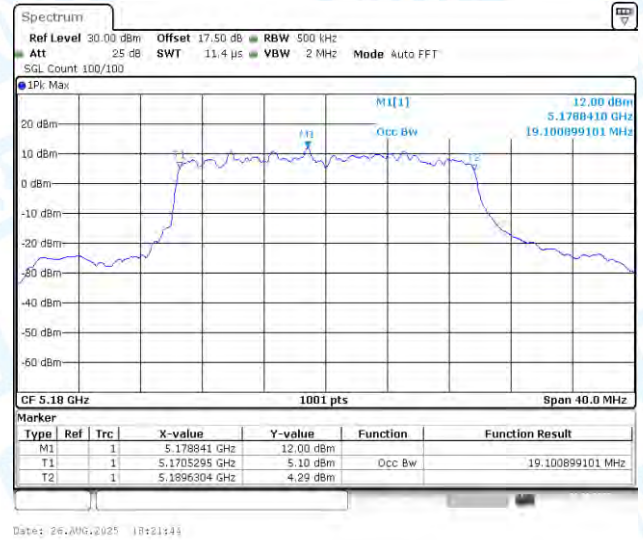
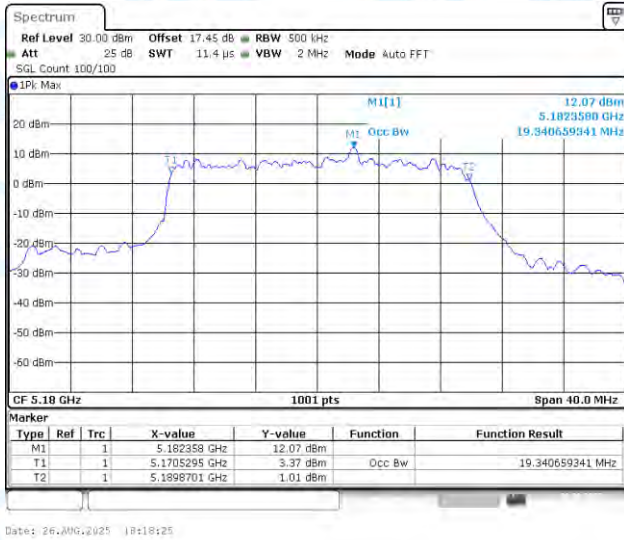
11AC40MIMO-Ant1-5230

11AC40MIMO-Ant2-5230



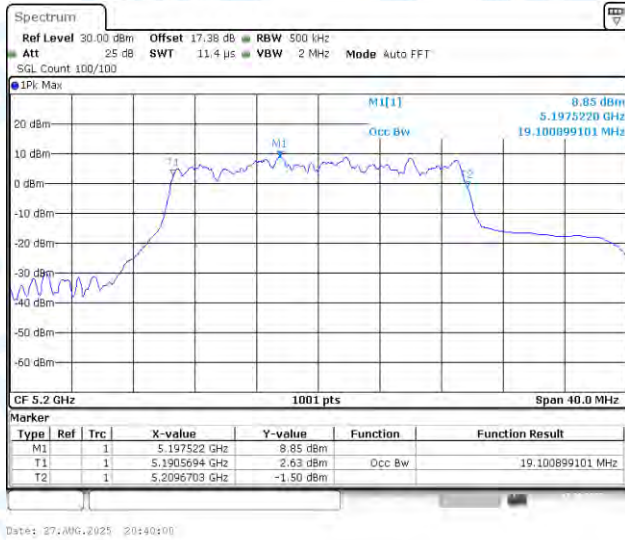
11AC80MIMO-Ant1-5210

11AC80MIMO-Ant2-5210



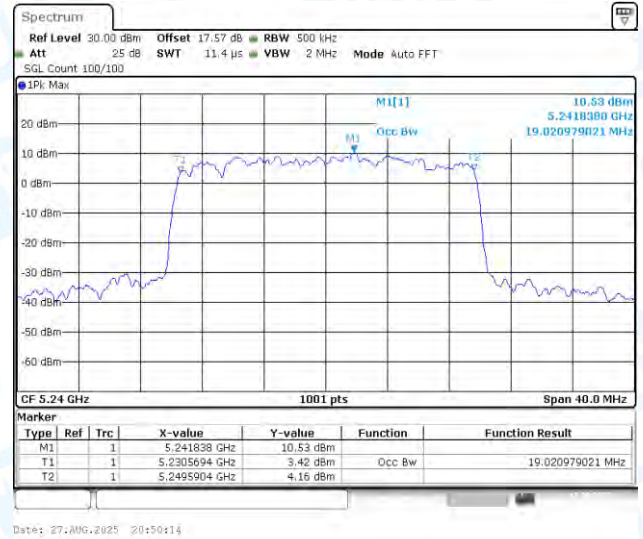
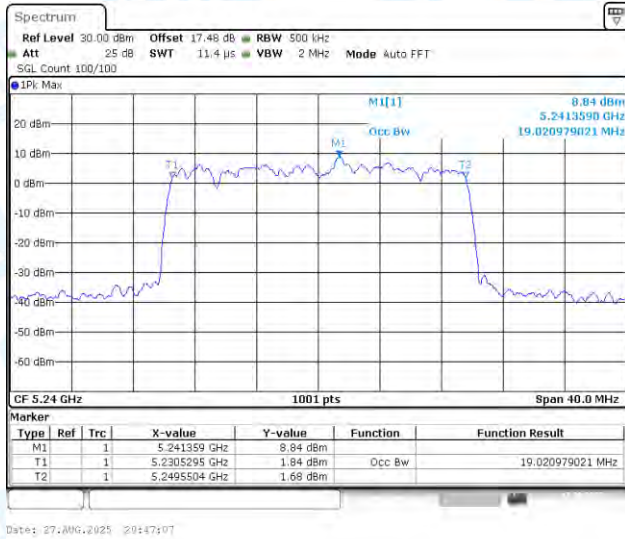
11AX20MIMO-Ant1-5180

11AX20MIMO-Ant2-5180



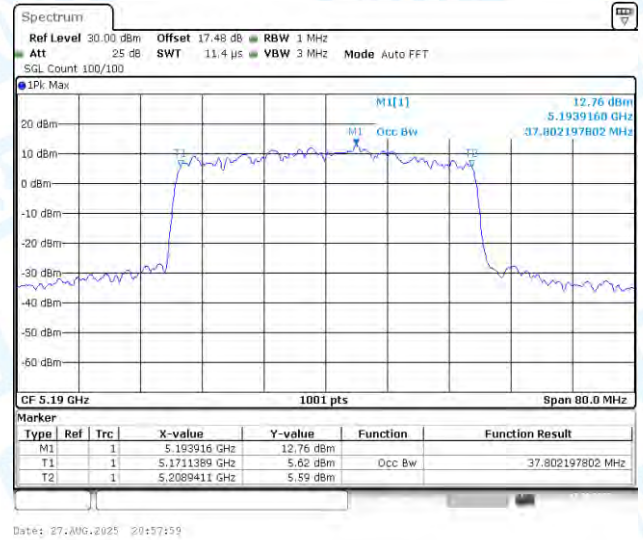
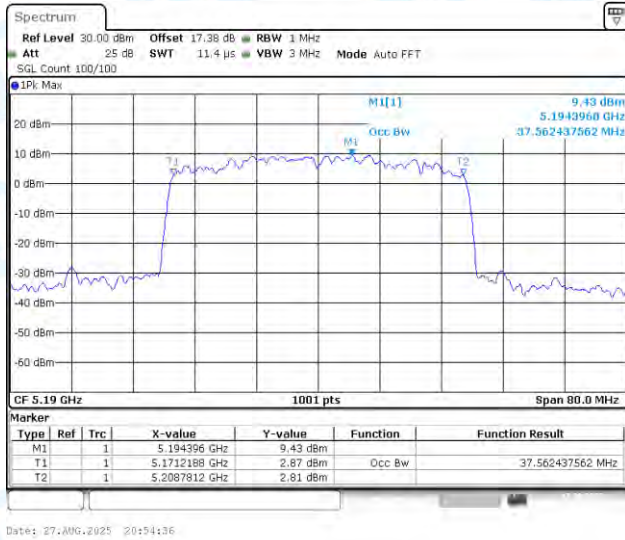
11AX20MIMO-Ant1-5200

11AX20MIMO-Ant2-5200



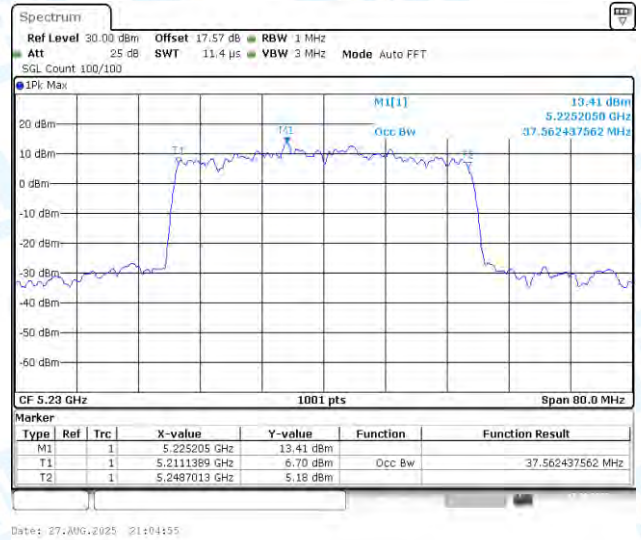
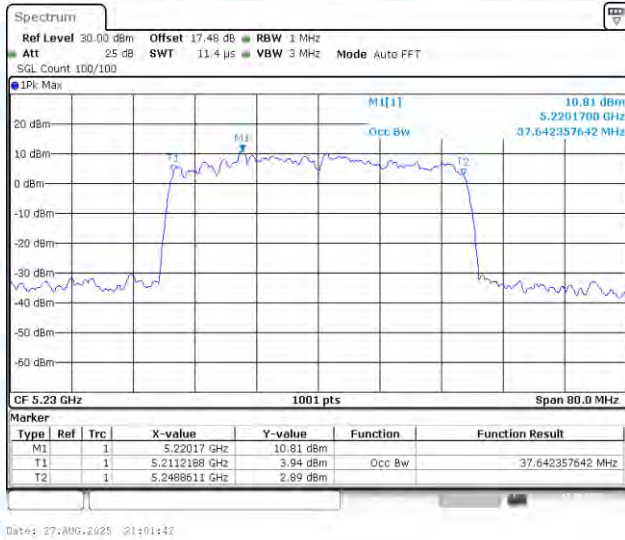
11AX20MIMO-Ant1-5240

11AX20MIMO-Ant2-5240



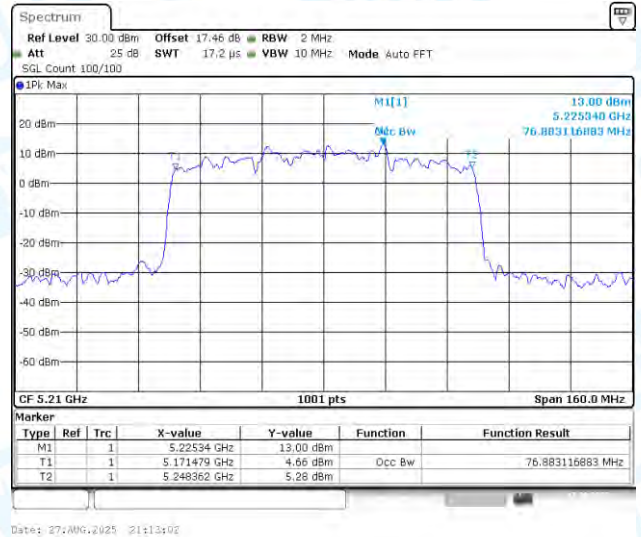
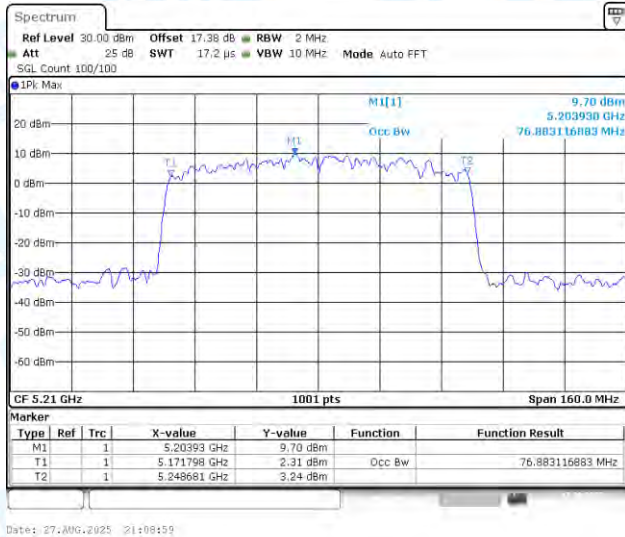
11AX40MIMO-Ant1-5190

11AX40MIMO-Ant2-5190



11AX40MIMO-Ant1-5230

11AX40MIMO-Ant2-5230



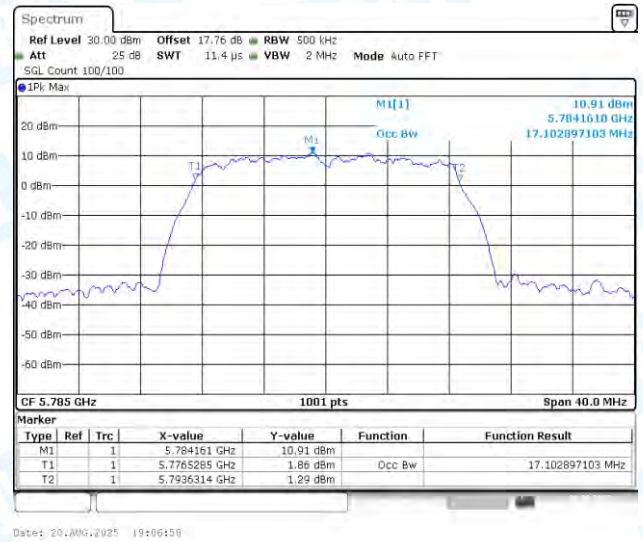
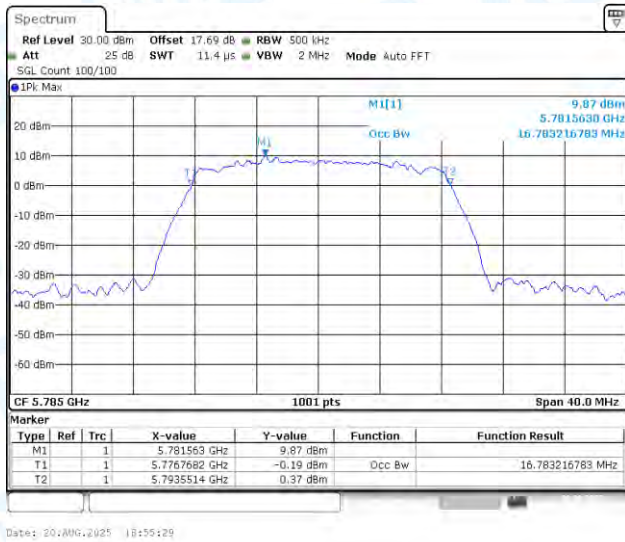
11AX80MIMO-Ant1-5210

11AX80MIMO-Ant2-5210



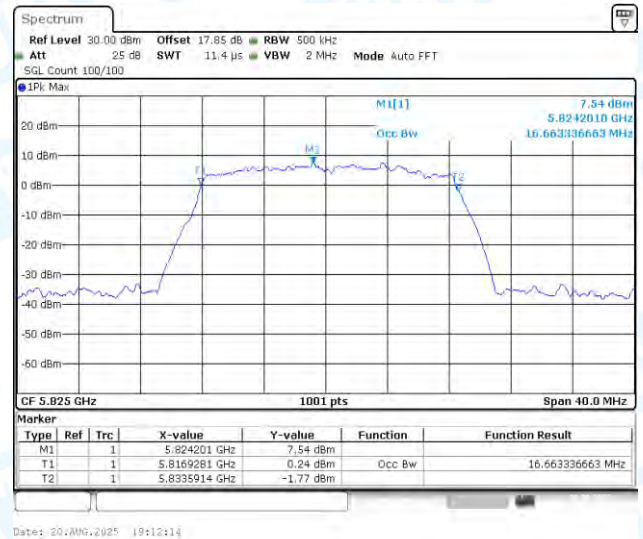
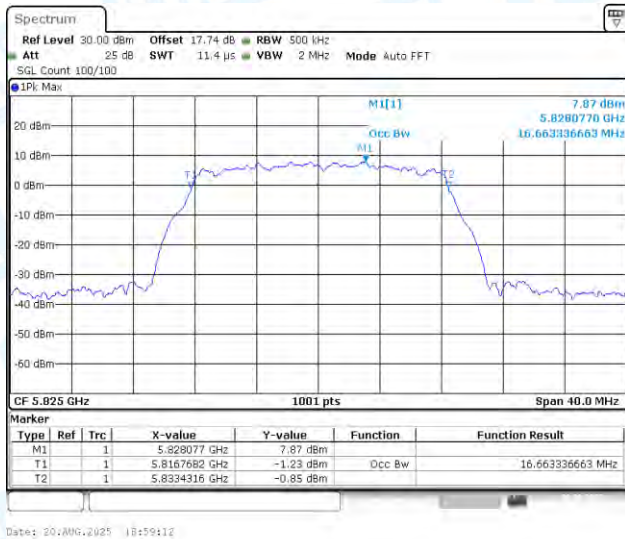
11A-Ant1-5745

11A-Ant2-5745



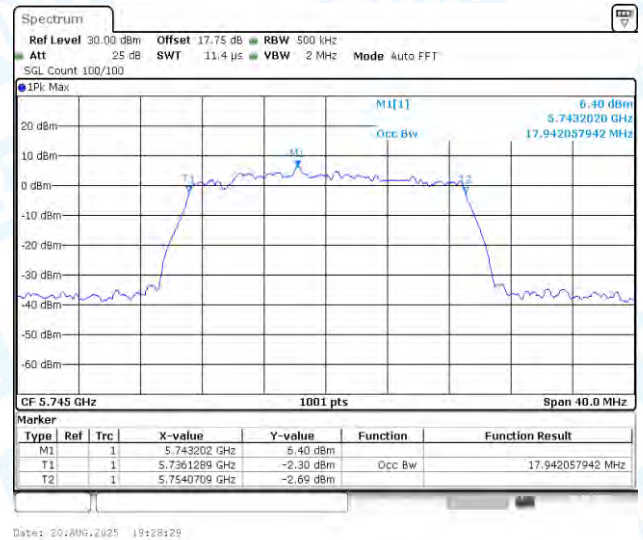
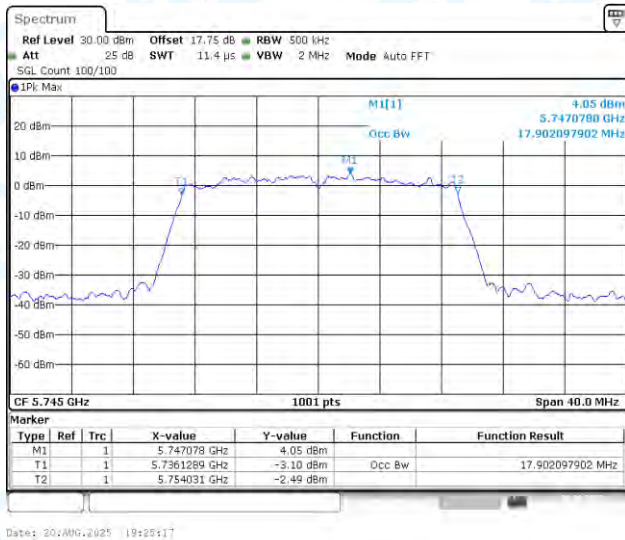
11A-Ant1-5785

11A-Ant2-5785



11A-Ant1-5825

11A-Ant2-5825



11N20MIMO-Ant1-5745

11N20MIMO-Ant2-5745