

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

General Description of EUT	
EUT Name:	Tablet
Model:	C30
Sample ID:	HC-C-202412-0060-03-01-2#
Environmental Conditions	
Ambient Temperature:	24.5℃
Ambient Humidity:	47%RH
Test Power Supply:	DC 3.8V
Test Engineer:	ZKN.ZHOU
Note: For a more detailed features description, please refer to the report TBR-C-202412-0060-63	

Contents

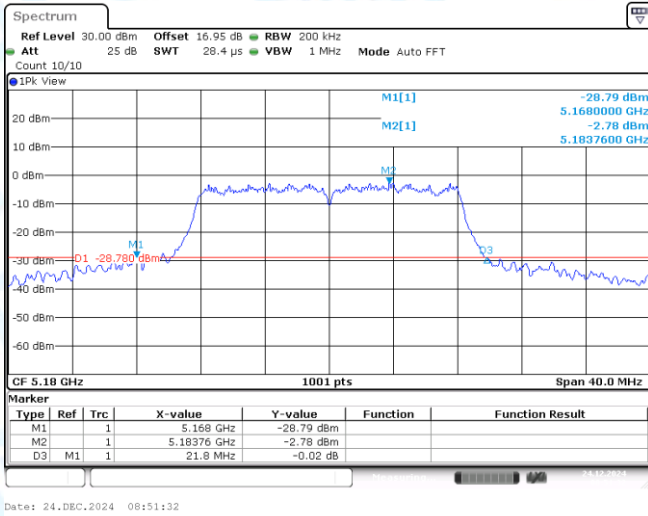
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1: Emission Bandwidth

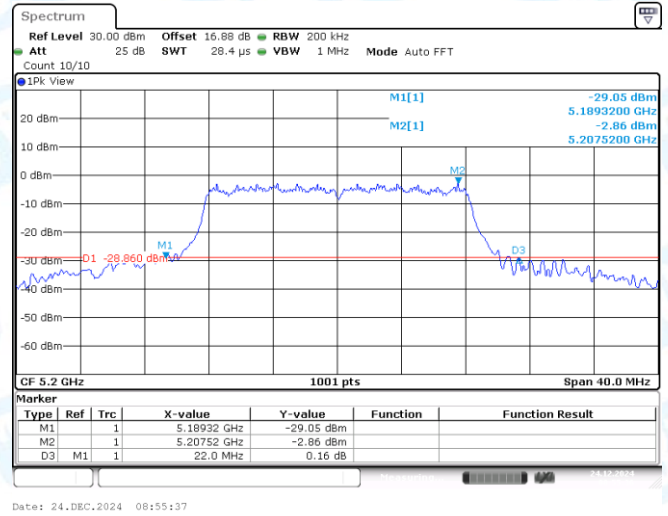
1.1 Test Result

TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.80	5168.00	5189.80	---	---
11A	Ant1	5200	22.00	5189.32	5211.32	---	---
11A	Ant1	5240	24.72	5227.28	5252.00	---	---
11N20SISO	Ant1	5180	24.52	5165.88	5190.40	---	---
11N20SISO	Ant1	5200	25.28	5187.20	5212.48	---	---
11N20SISO	Ant1	5240	23.04	5228.20	5251.24	---	---
11N40SISO	Ant1	5190	50.40	5160.48	5210.88	---	---
11N40SISO	Ant1	5230	45.92	5207.04	5252.96	---	---
11AC20SISO	Ant1	5180	20.52	5170.00	5190.52	---	---
11AC20SISO	Ant1	5200	21.00	5189.76	5210.76	---	---
11AC20SISO	Ant1	5240	23.88	5226.68	5250.56	---	---
11AC40SISO	Ant1	5190	50.00	5166.00	5216.00	---	---
11AC40SISO	Ant1	5230	41.84	5210.16	5252.00	---	---
11AC80SISO	Ant1	5210	82.72	5166.96	5249.68	---	---

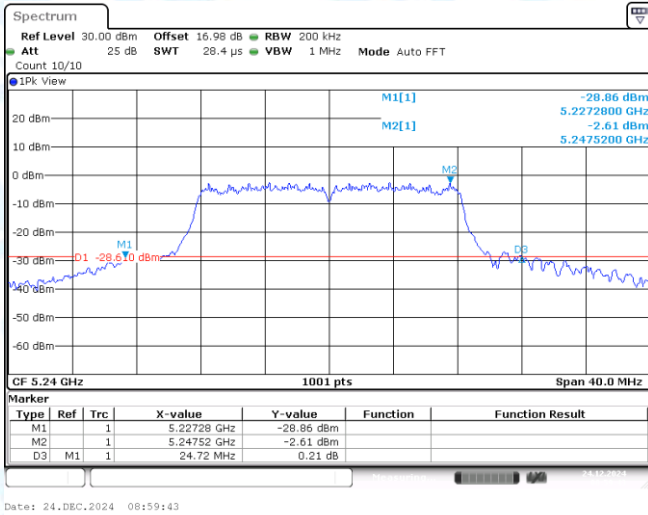
1.2 Test Graphs



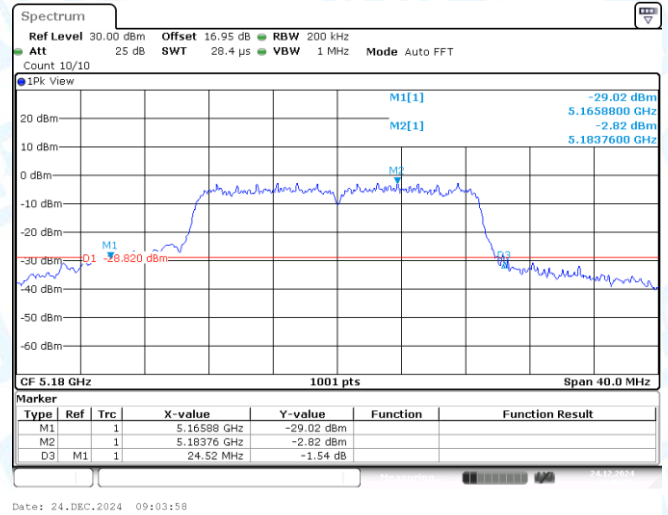
11A-Ant1-5180



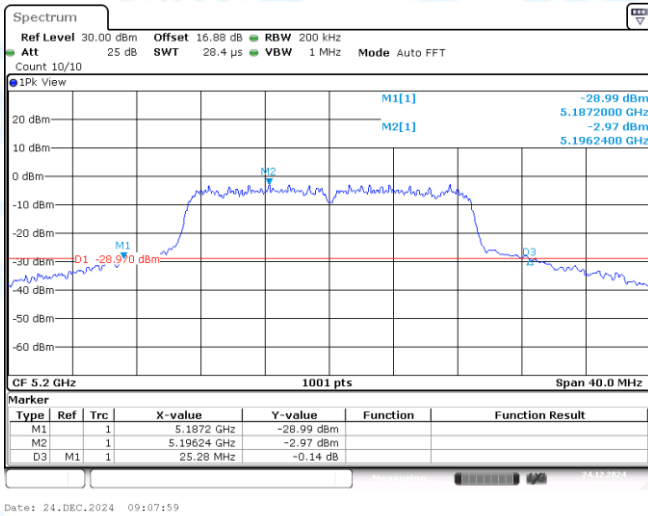
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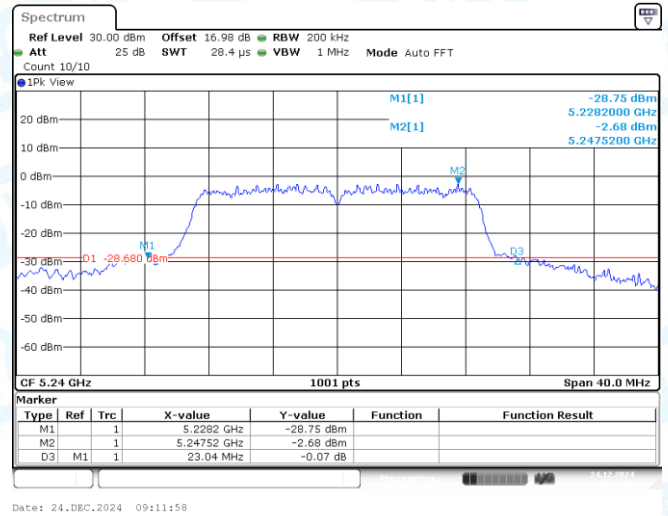
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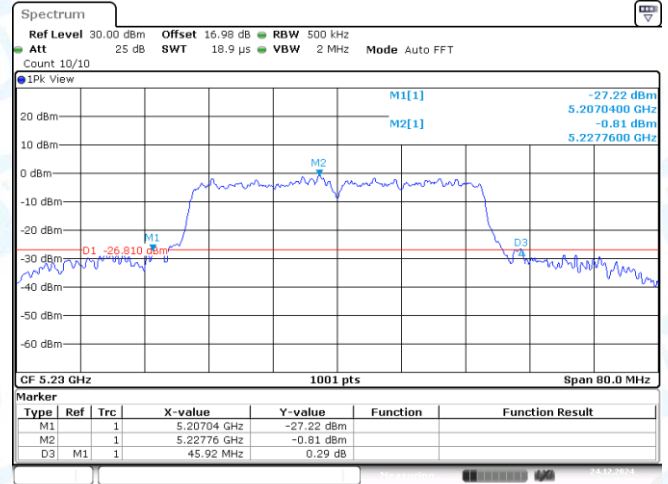
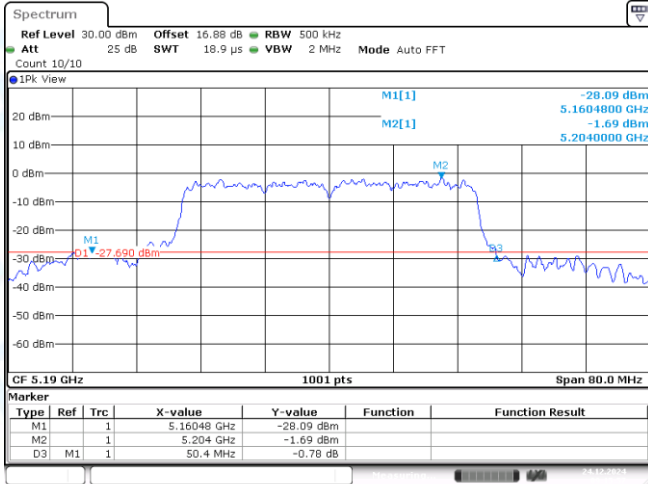
11N20SISO-Ant1-5180



11N20SISO-Ant1-5200

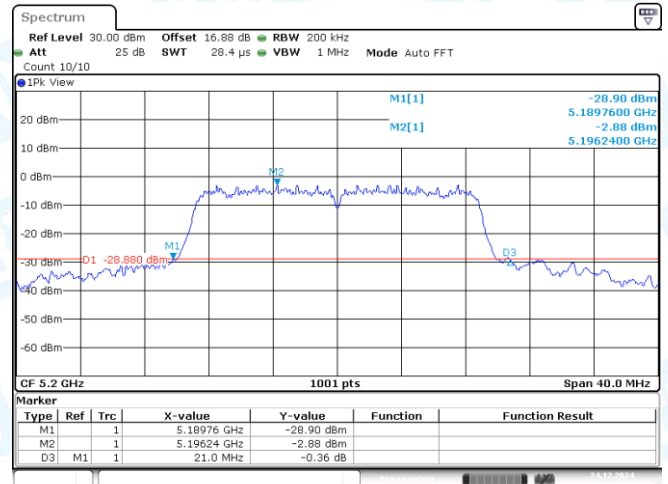
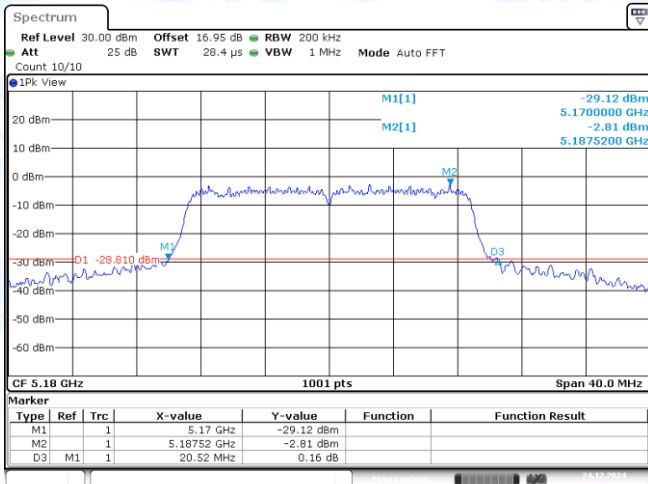


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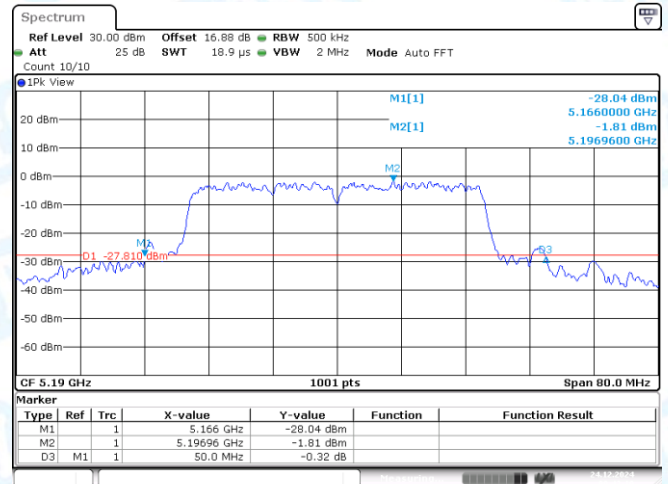
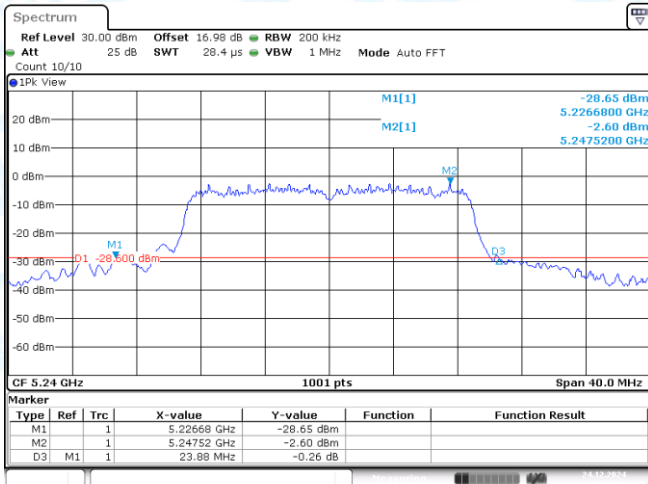
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11N40SISO-Ant1-5230



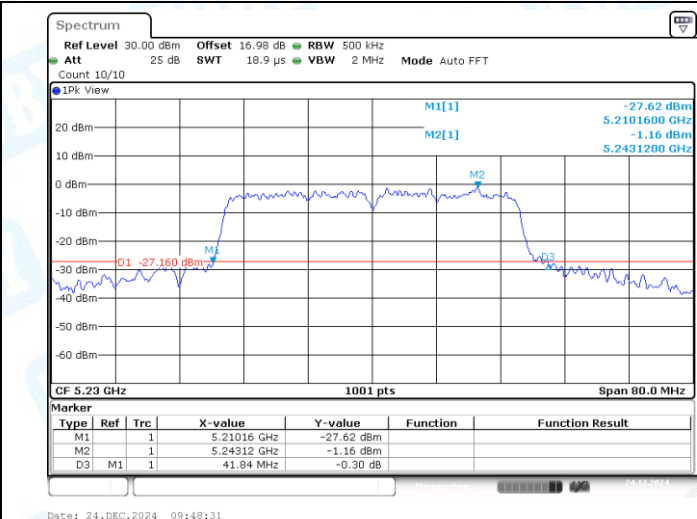
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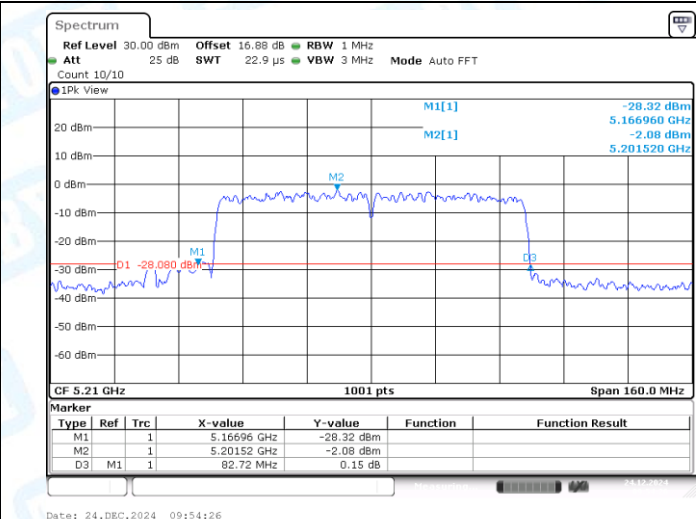


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11AC40SISO-Ant1-5190



11AC40SISO-Ant1-5230



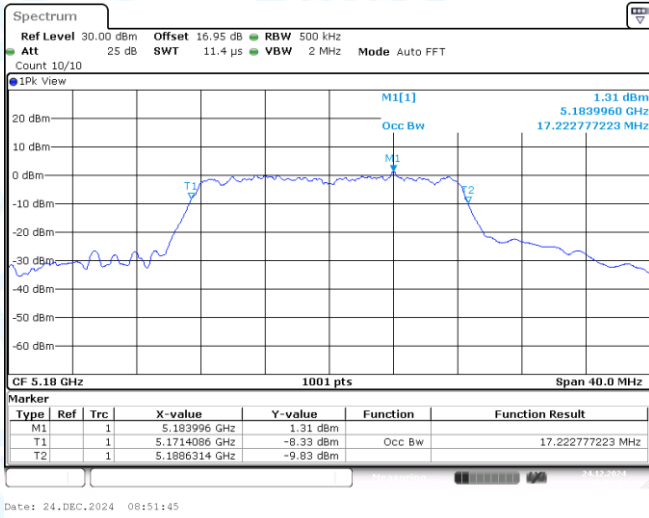
11AC80SISO-Ant1-5210

2: Occupied channel bandwidth

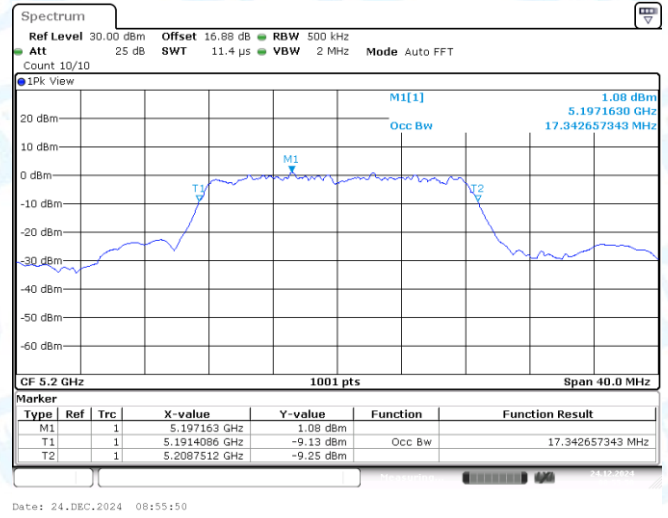
2.1 Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.223	5171.4086	5188.6314	---	---
11A	Ant1	5200	17.343	5191.4086	5208.7512	---	---
11A	Ant1	5240	17.263	5231.4086	5248.6713	---	---
11A	Ant1	5745	17.143	5736.2887	5753.4316	---	---
11A	Ant1	5785	17.223	5776.4086	5793.6314	---	---
11A	Ant1	5825	17.183	5816.3287	5833.5115	---	---
11N20SISO	Ant1	5180	18.062	5170.8891	5188.9510	---	---
11N20SISO	Ant1	5200	18.142	5190.8891	5209.0310	---	---
11N20SISO	Ant1	5240	19.5	5229.5704	5249.0709	---	---
11N20SISO	Ant1	5745	18.262	5735.7692	5754.0310	---	---
11N20SISO	Ant1	5785	17.982	5776.0490	5794.0310	---	---
11N20SISO	Ant1	5825	18.142	5815.8092	5833.9510	---	---
11N40SISO	Ant1	5190	36.523	5171.7782	5208.3017	---	---
11N40SISO	Ant1	5230	36.683	5211.8581	5248.5415	---	---
11N40SISO	Ant1	5755	36.683	5736.6184	5773.3017	---	---
11N40SISO	Ant1	5795	36.204	5776.8581	5813.0619	---	---
11AC20SISO	Ant1	5180	17.942	5171.0490	5188.9910	---	---
11AC20SISO	Ant1	5200	17.862	5191.1289	5208.9910	---	---
11AC20SISO	Ant1	5240	17.942	5231.0490	5248.9910	---	---
11AC20SISO	Ant1	5745	17.902	5736.0490	5753.9510	---	---
11AC20SISO	Ant1	5785	17.982	5775.9690	5793.9510	---	---
11AC20SISO	Ant1	5825	17.902	5816.0889	5833.9910	---	---
11AC40SISO	Ant1	5190	36.444	5171.6983	5208.1419	---	---
11AC40SISO	Ant1	5230	36.523	5211.6184	5248.1419	---	---
11AC40SISO	Ant1	5755	36.683	5736.7782	5773.4615	---	---
11AC40SISO	Ant1	5795	36.444	5776.6983	5813.1419	---	---
11AC80SISO	Ant1	5210	75.924	5172.1179	5248.0420	---	---
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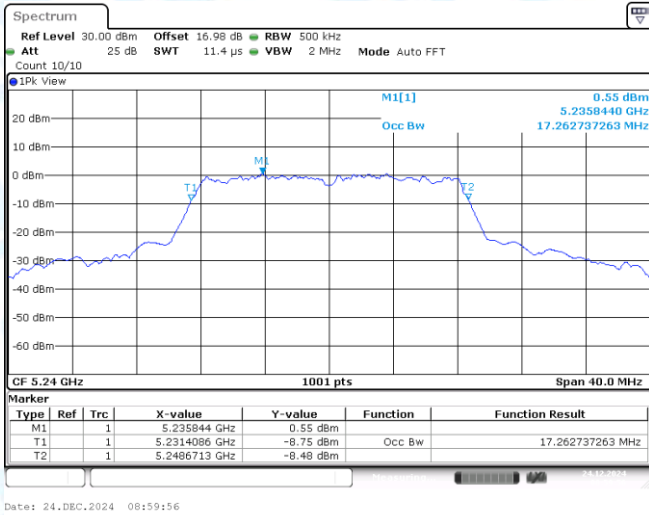
2.2 Test Graphs



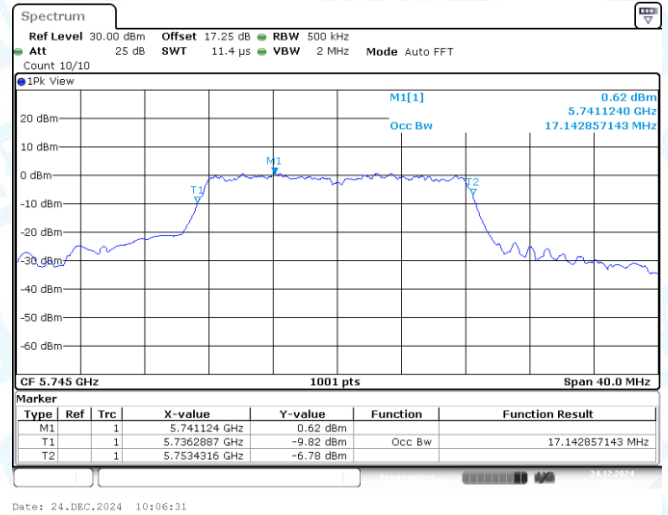
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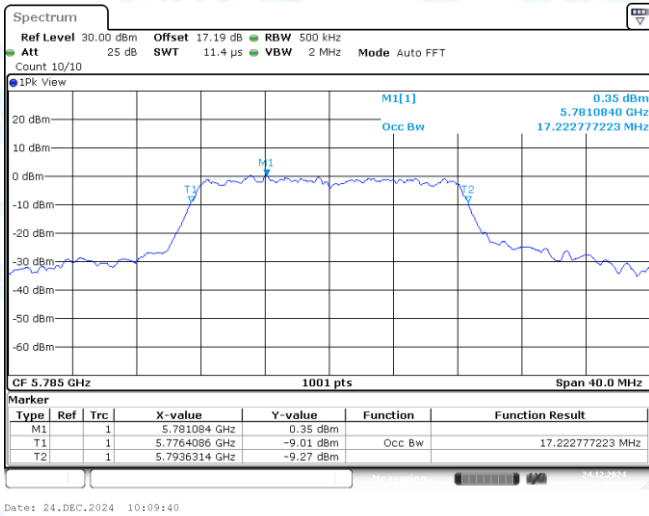
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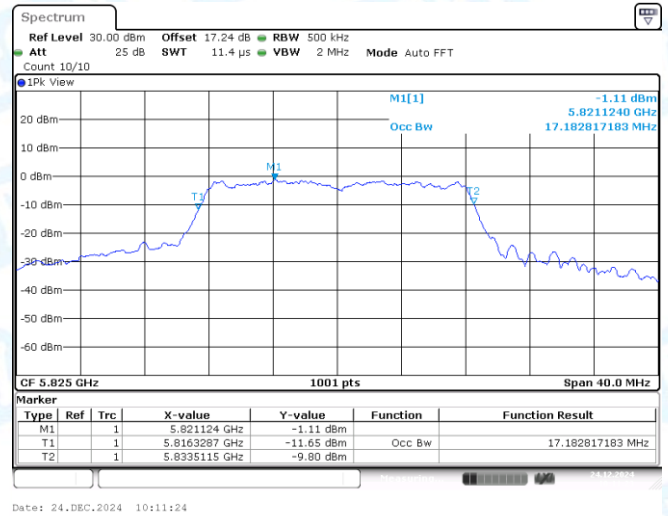
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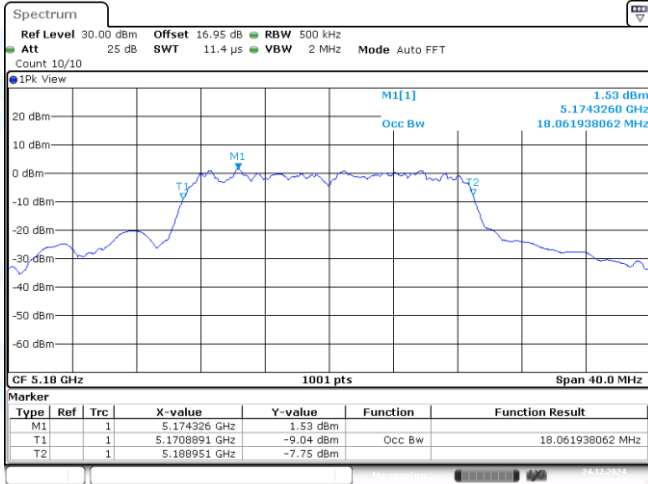
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11A-Ant1-5785

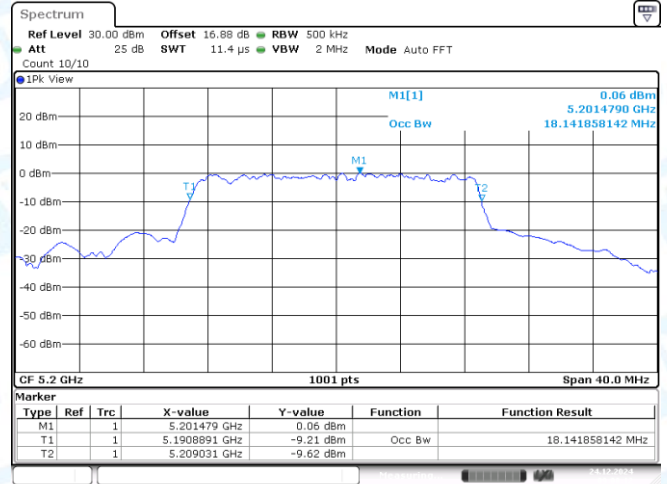


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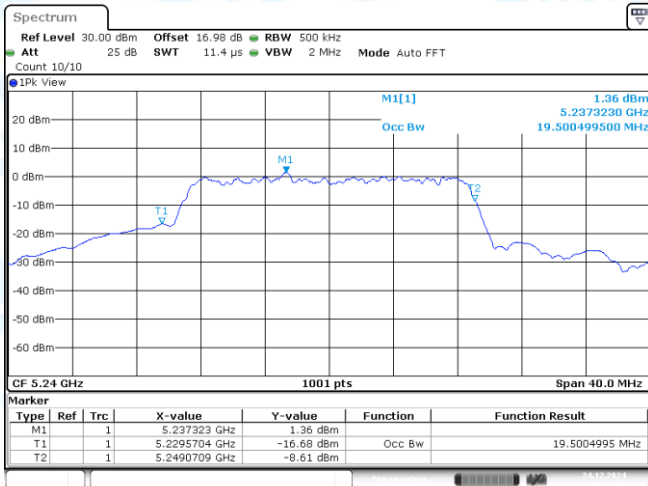
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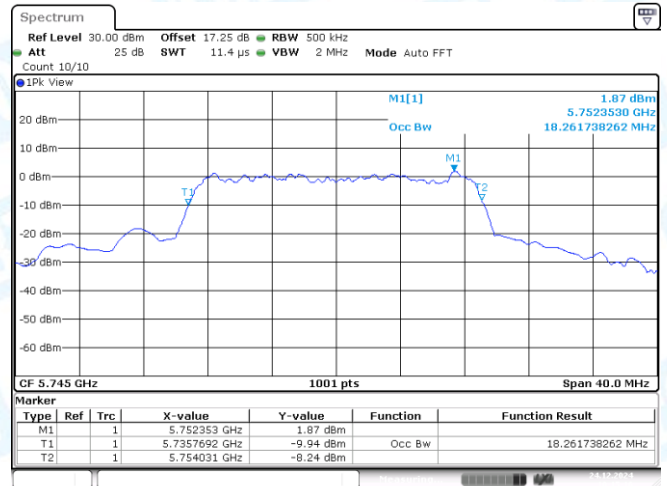
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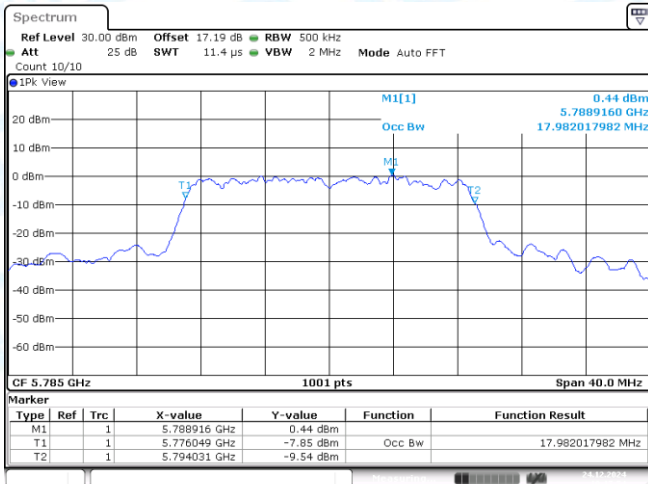
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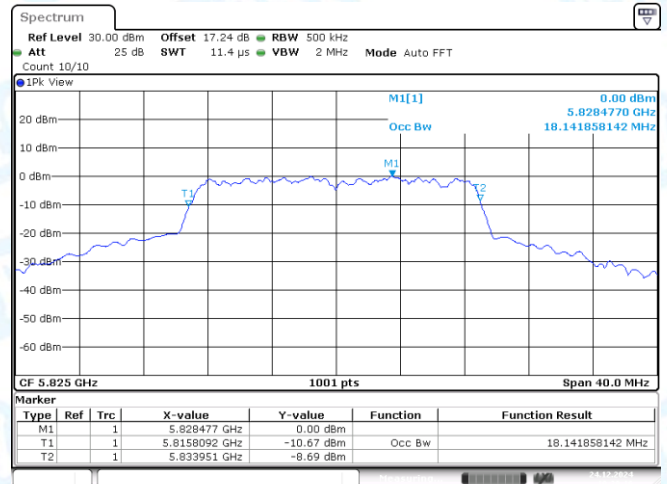
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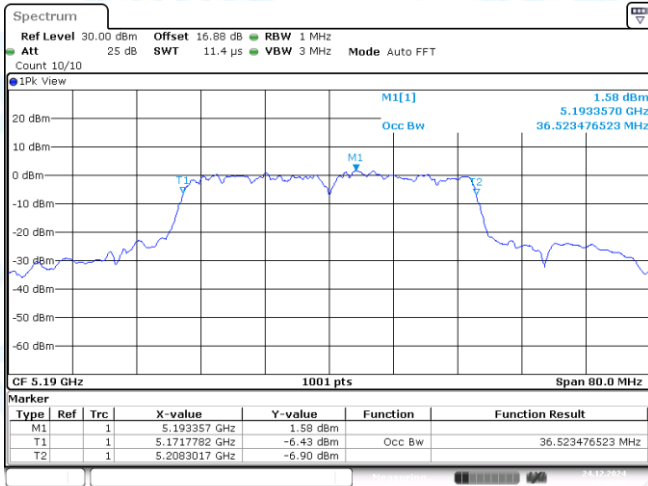
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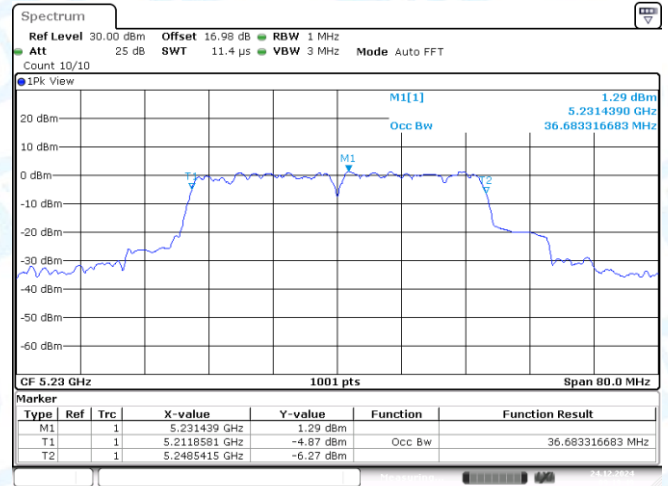
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11N20SISO-Ant1-5825



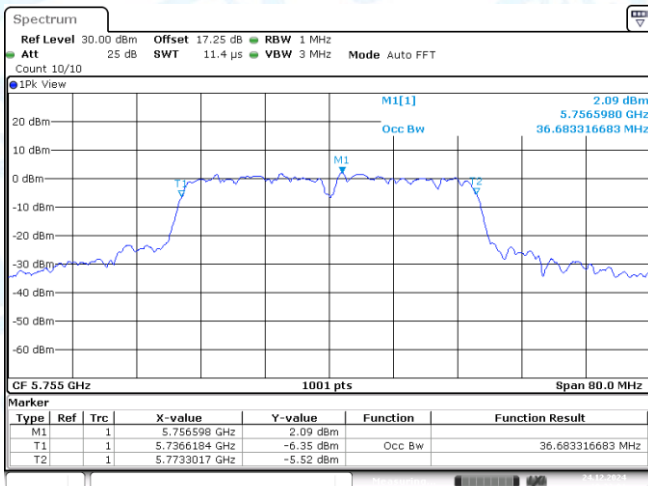
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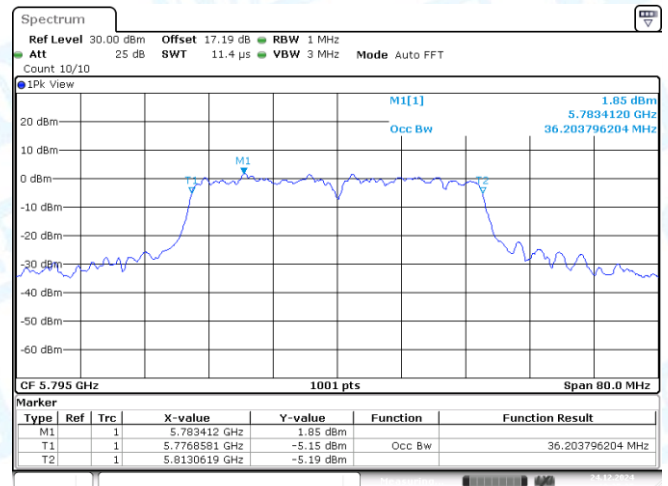
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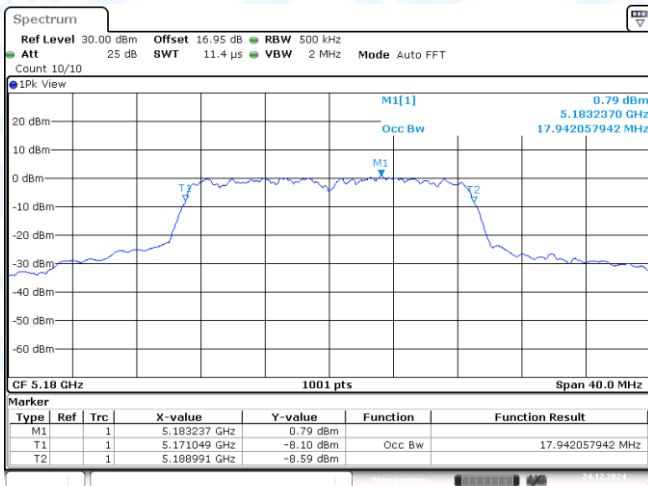
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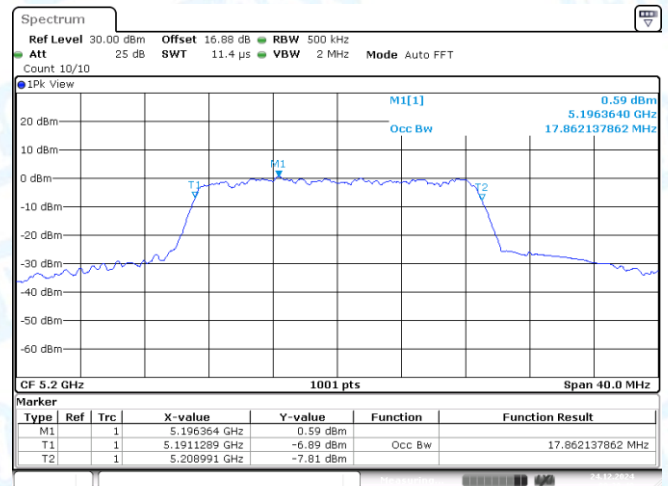
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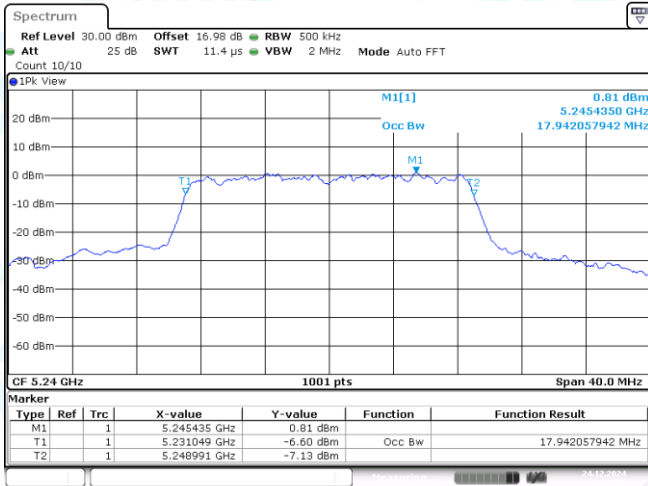
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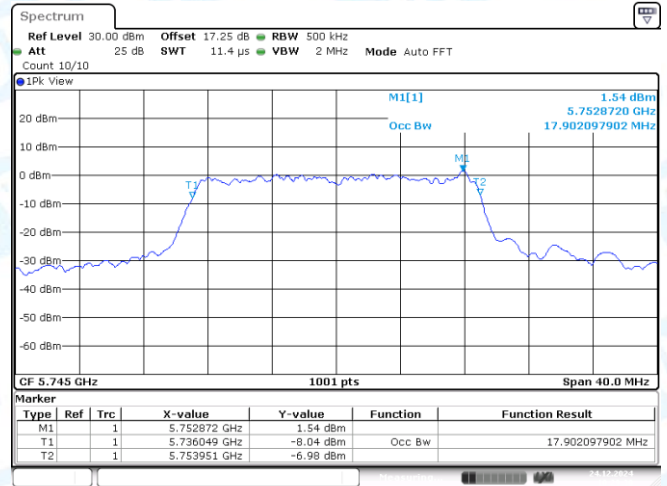
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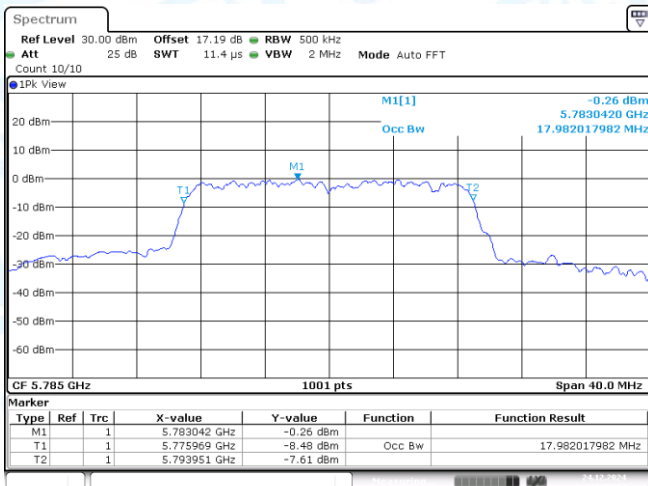
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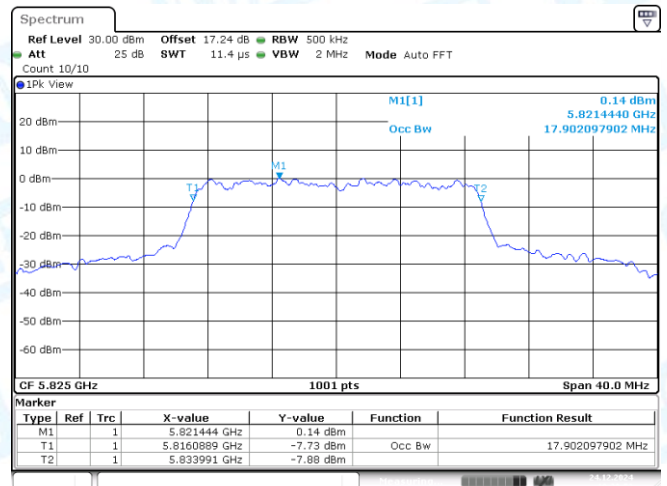
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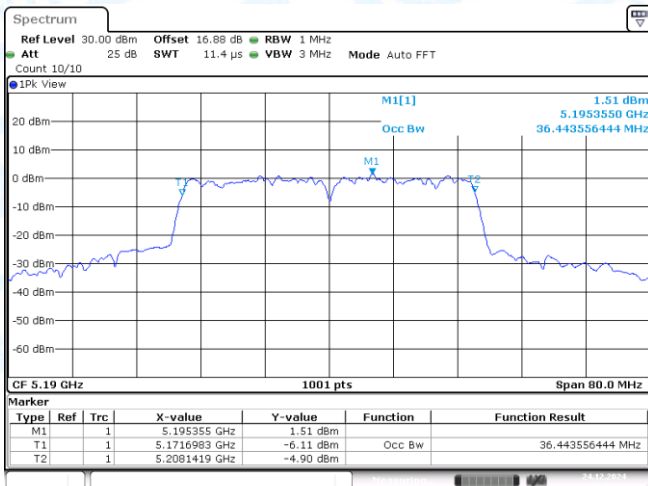
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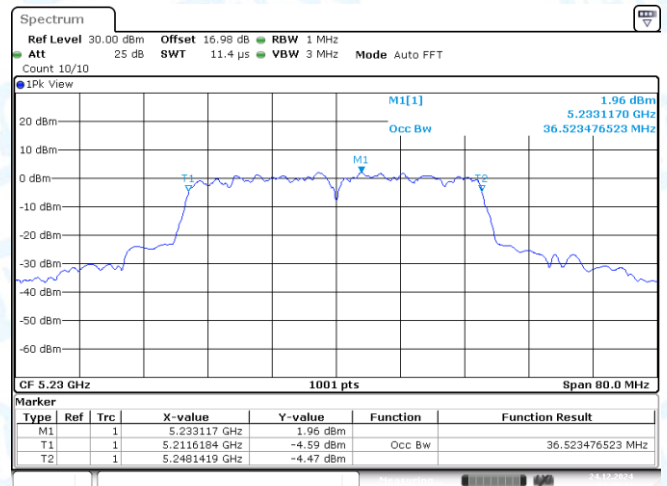
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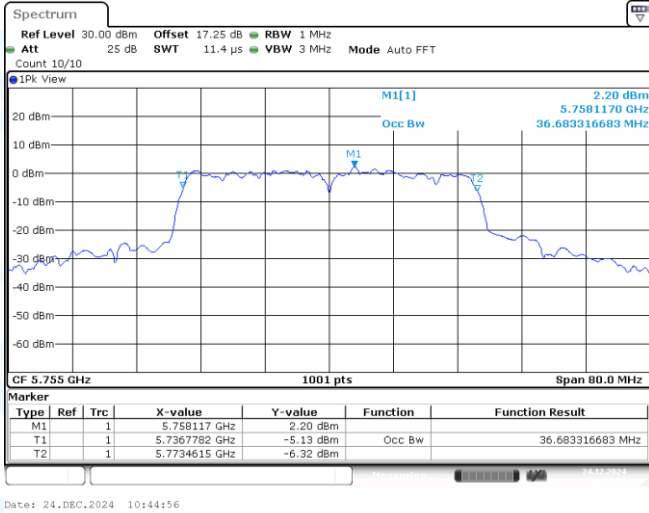
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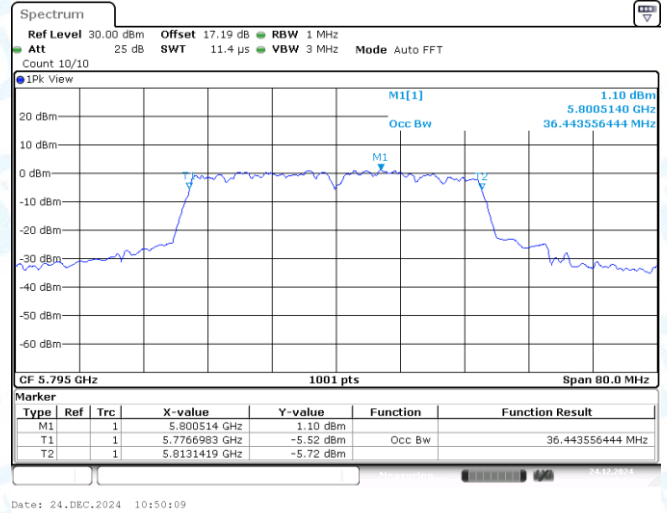


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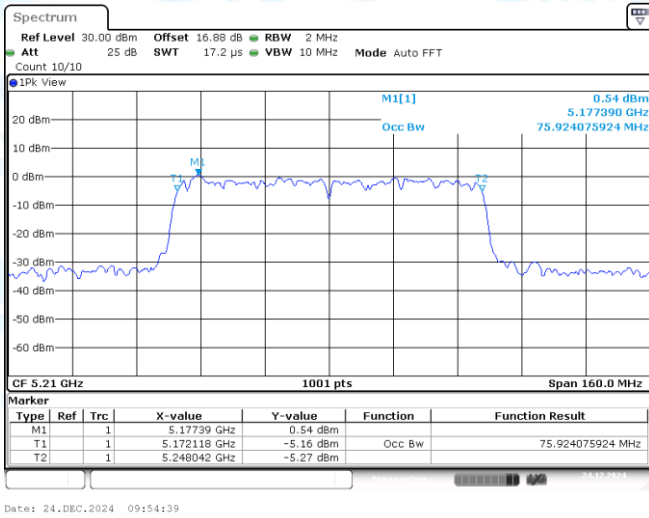
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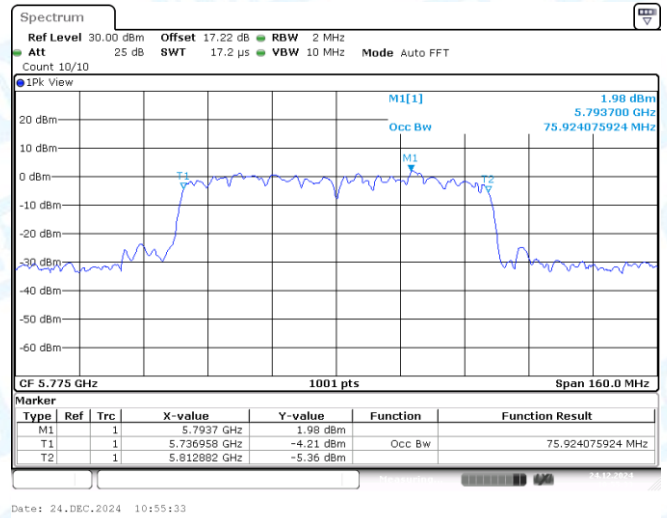
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11AC40SISO-Ant1-5795



11AC80SISO-Ant1-5210



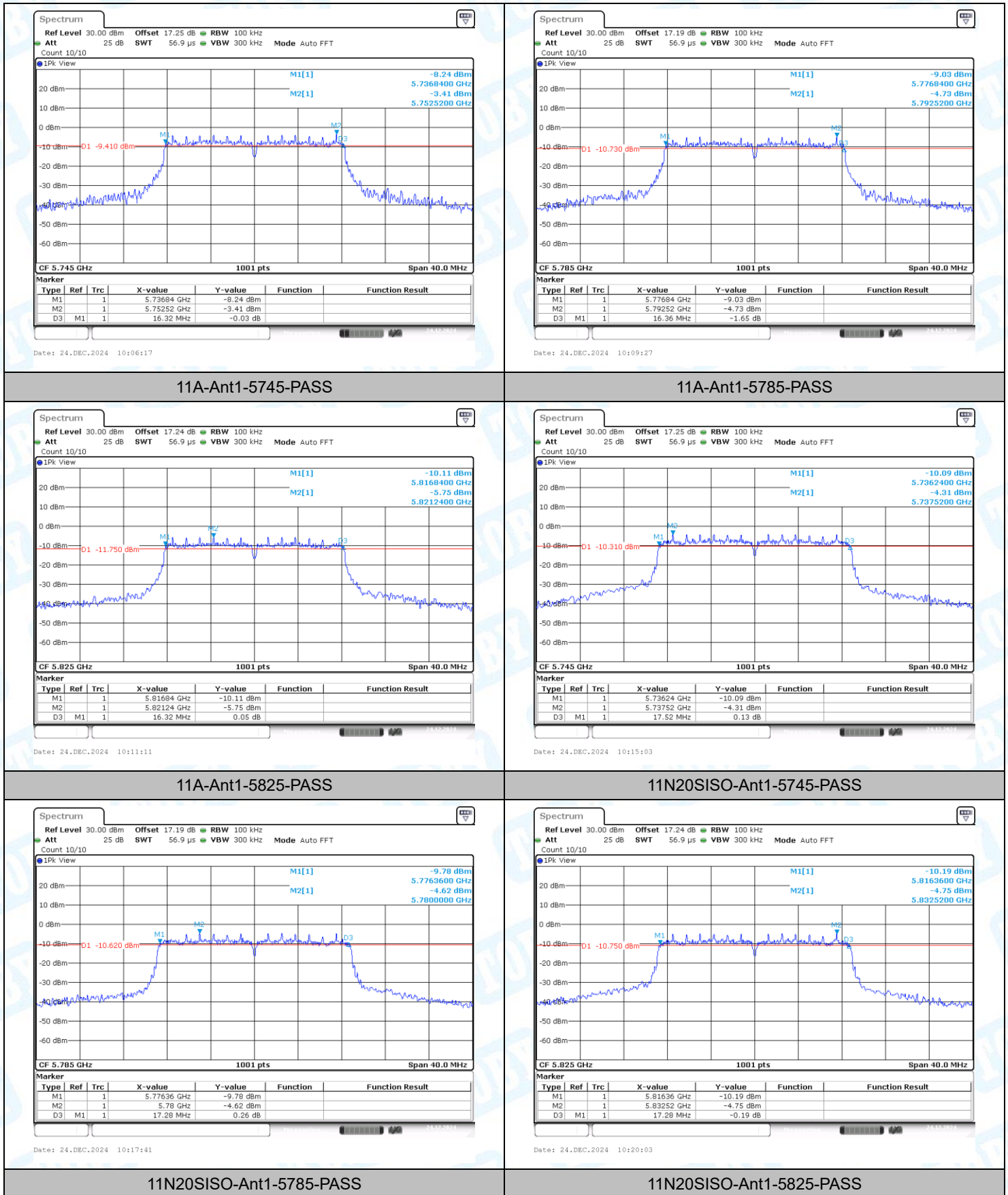
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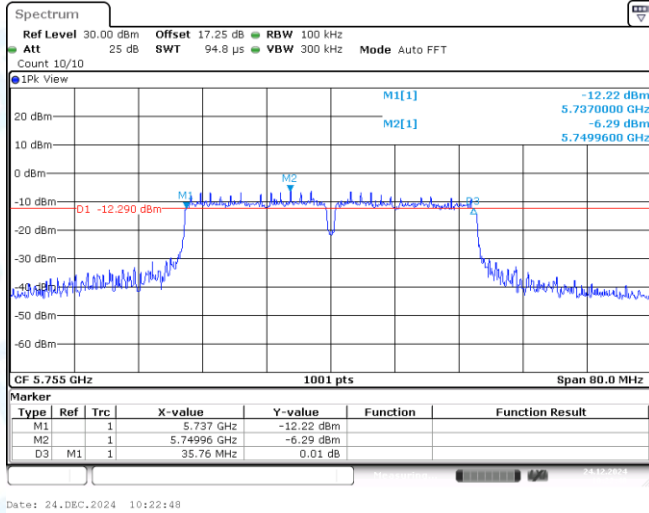
3: Min emission bandwidth

3.1 Test Result-B4

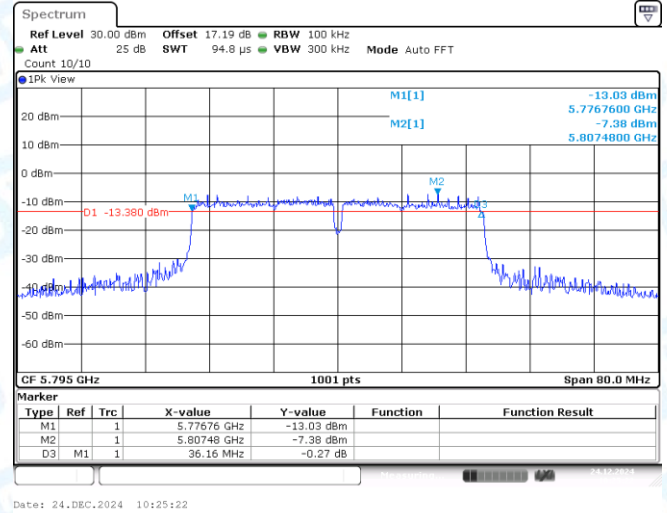
TestMode	Antenna	Frequency[MHz]	6dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.32	5736.84	5753.16	0.5	PASS
11A	Ant1	5785	16.36	5776.84	5793.20	0.5	PASS
11A	Ant1	5825	16.32	5816.84	5833.16	0.5	PASS
11N20SISO	Ant1	5745	17.52	5736.24	5753.76	0.5	PASS
11N20SISO	Ant1	5785	17.28	5776.36	5793.64	0.5	PASS
11N20SISO	Ant1	5825	17.28	5816.36	5833.64	0.5	PASS
11N40SISO	Ant1	5755	35.76	5737.00	5772.76	0.5	PASS
11N40SISO	Ant1	5795	36.16	5776.76	5812.92	0.5	PASS
11AC20SISO	Ant1	5745	17.28	5736.36	5753.64	0.5	PASS
11AC20SISO	Ant1	5785	17.40	5776.24	5793.64	0.5	PASS
11AC20SISO	Ant1	5825	17.40	5816.24	5833.64	0.5	PASS
11AC40SISO	Ant1	5755	35.44	5737.24	5772.68	0.5	PASS
11AC40SISO	Ant1	5795	35.84	5777.00	5812.84	0.5	PASS
11AC80SISO	Ant1	5775	75.36	5737.24	5812.60	0.5	PASS

3.2 Test Graphs-B4

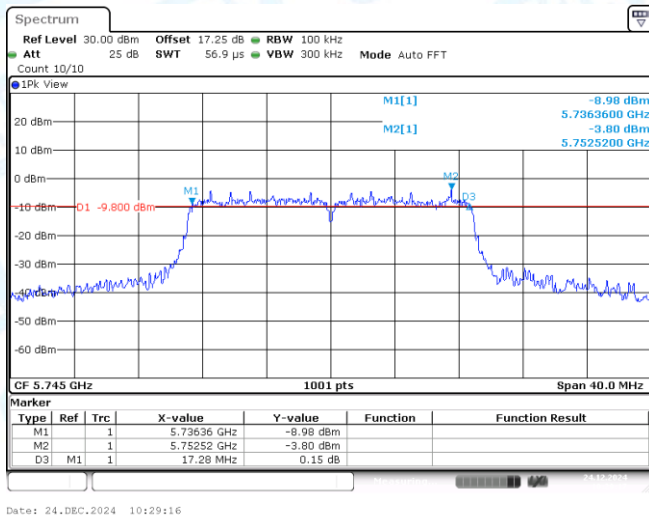




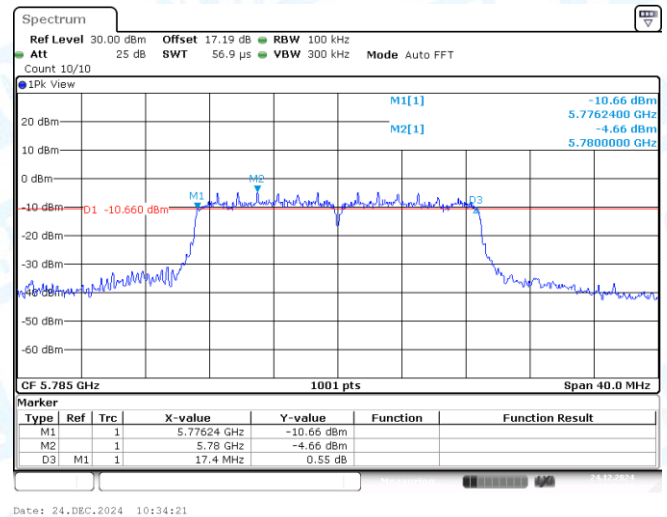
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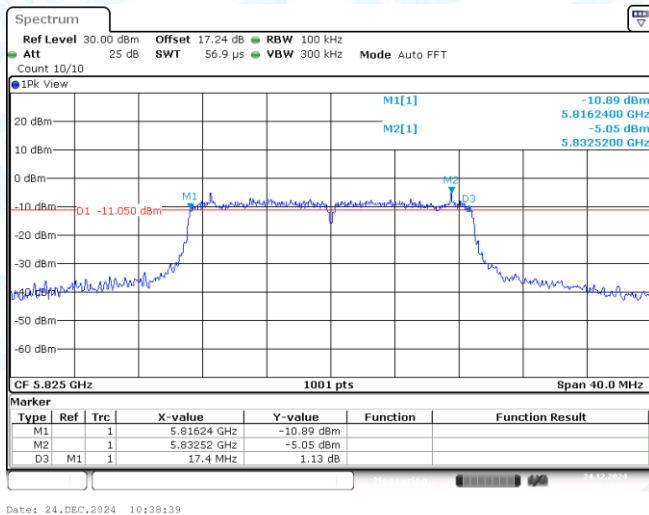
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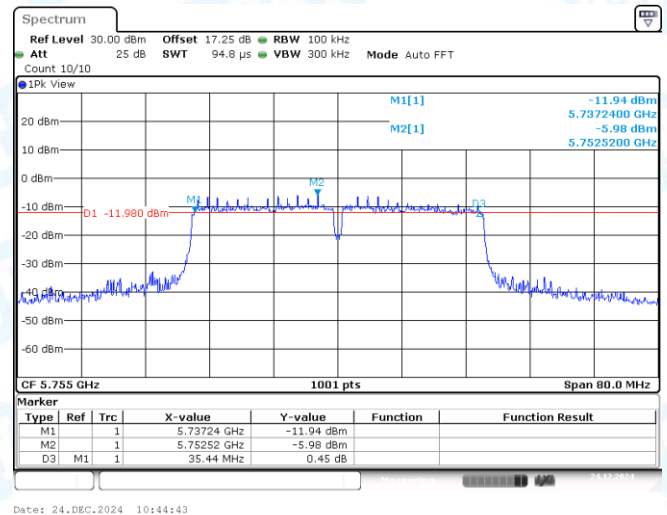
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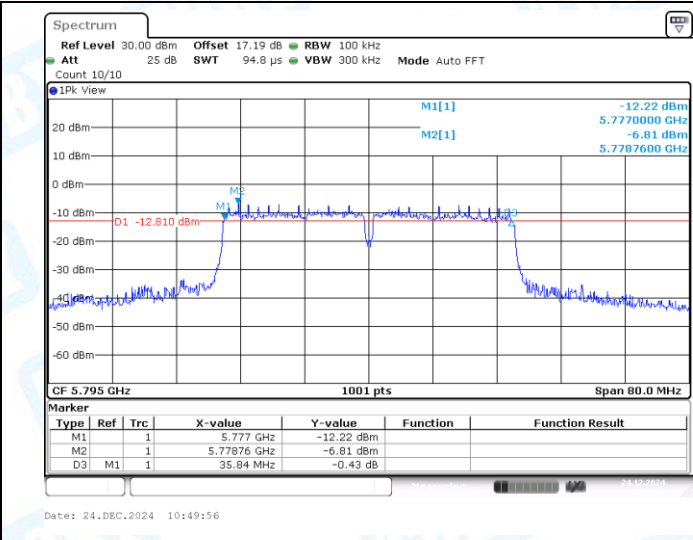
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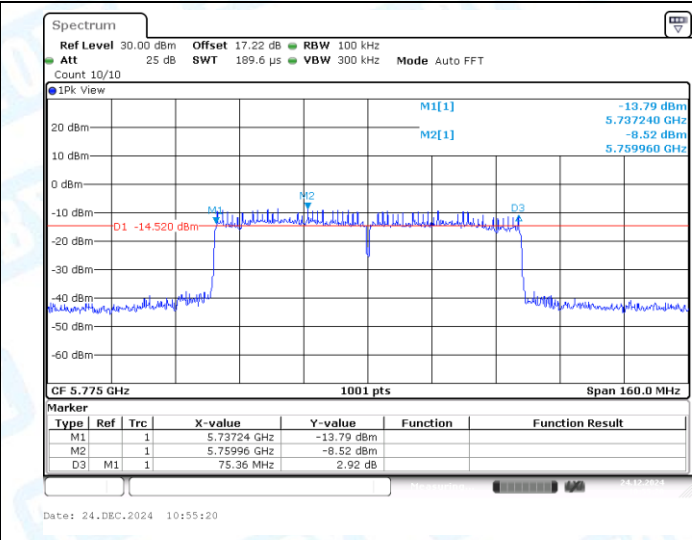
11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5755-PASS



11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5775-PASS

4: Duty Cycle

4.1 Test Result

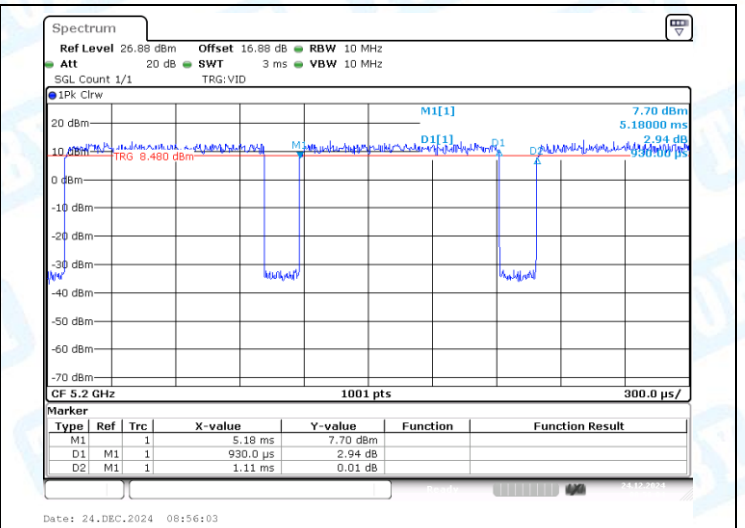
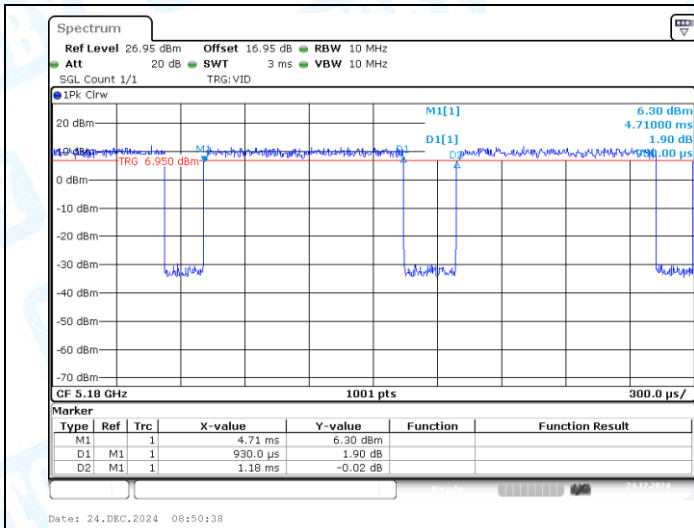
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factory	1/T [kHz]
11A	Ant1	5180	0.93	1.18	78.81	1.03	1.08
11A	Ant1	5200	0.93	1.11	83.78	0.77	1.08
11A	Ant1	5240	0.94	1.19	78.99	1.02	1.06
11A	Ant1	5745	1.39	1.55	89.68	0.47	0.72
11A	Ant1	5785	1.39	1.70	81.76	0.87	0.72
11A	Ant1	5825	1.40	1.65	84.85	0.71	0.71
11N20SISO	Ant1	5180	1.17	1.34	87.31	0.59	0.85
11N20SISO	Ant1	5200	1.18	1.38	85.51	0.68	0.85
11N20SISO	Ant1	5240	1.18	1.35	87.41	0.58	0.85
11N20SISO	Ant1	5745	1.17	1.35	86.67	0.62	0.85
11N20SISO	Ant1	5785	1.18	1.35	87.41	0.58	0.85
11N20SISO	Ant1	5825	1.18	1.35	87.41	0.58	0.85
11N40SISO	Ant1	5190	0.58	0.82	70.73	1.50	1.72
11N40SISO	Ant1	5230	0.59	0.84	70.24	1.53	1.69
11N40SISO	Ant1	5755	0.58	0.78	74.36	1.29	1.72
11N40SISO	Ant1	5795	0.59	0.87	67.82	1.69	1.69
11AC20SISO	Ant1	5180	1.18	1.35	87.41	0.58	0.85
11AC20SISO	Ant1	5200	1.19	1.36	87.50	0.58	0.84
11AC20SISO	Ant1	5240	1.19	1.36	87.50	0.58	0.84
11AC20SISO	Ant1	5745	1.19	1.36	87.50	0.58	0.84
11AC20SISO	Ant1	5785	1.18	1.38	85.51	0.68	0.85
11AC20SISO	Ant1	5825	1.18	1.36	86.76	0.62	0.85
11AC40SISO	Ant1	5190	0.59	0.79	74.68	1.27	1.69
11AC40SISO	Ant1	5230	0.59	0.78	75.64	1.21	1.69
11AC40SISO	Ant1	5755	0.60	0.80	75.00	1.25	1.67
11AC40SISO	Ant1	5795	0.59	0.78	75.64	1.21	1.69
11AC80SISO	Ant1	5210	0.30	0.54	55.56	2.55	3.33
11AC80SISO	Ant1	5775	0.30	0.49	61.22	2.13	3.33

Note: 1, Duty Cycle= Transmission Duration/ Transmission Period

2, DC Factory=10*Log₁₀(1/Duty Cycle)

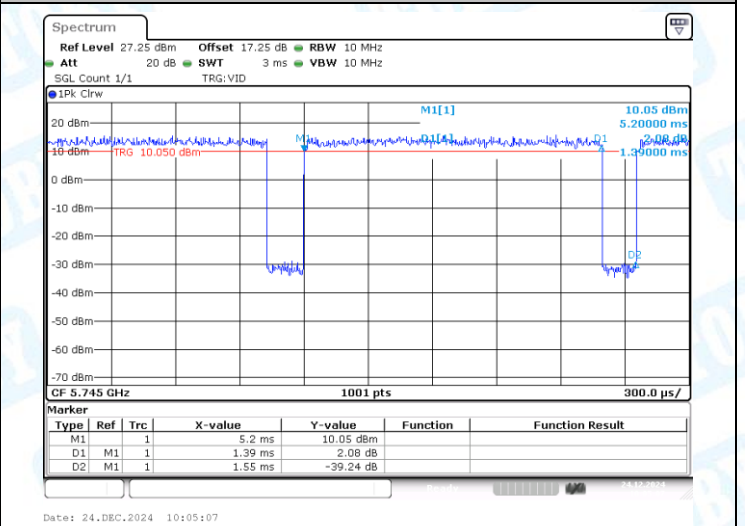
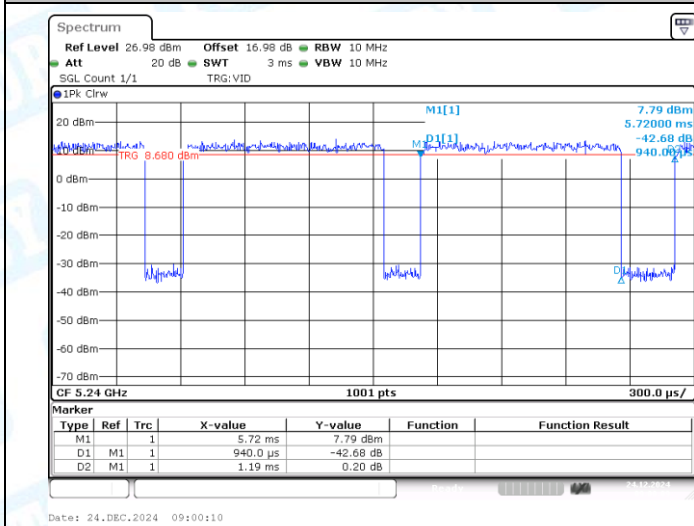
3, 1/T=1/ Transmission Duration

4.2 Test Graphs



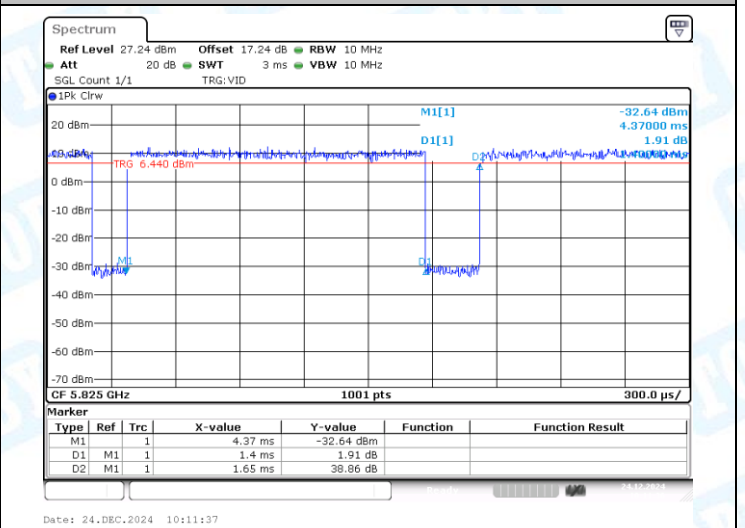
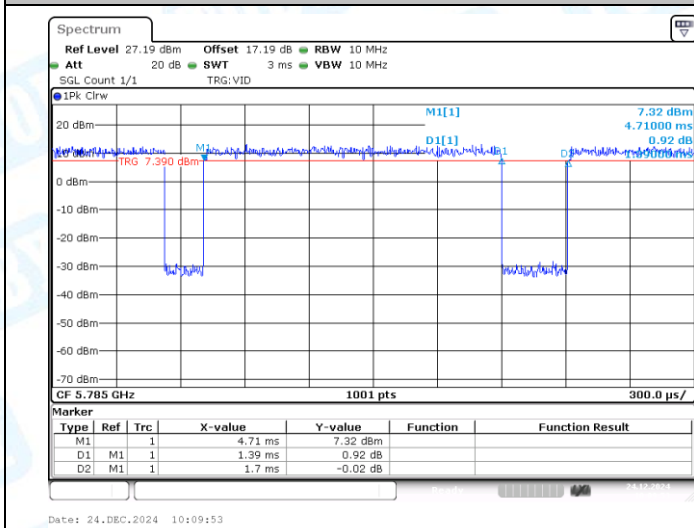
NTNV-11A-Ant1-5180

NTNV-11A-Ant1-5200



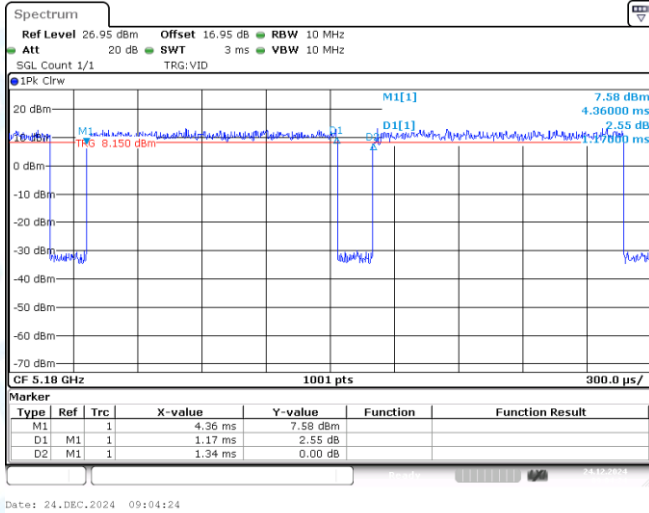
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NTNV-11A-Ant1-5745

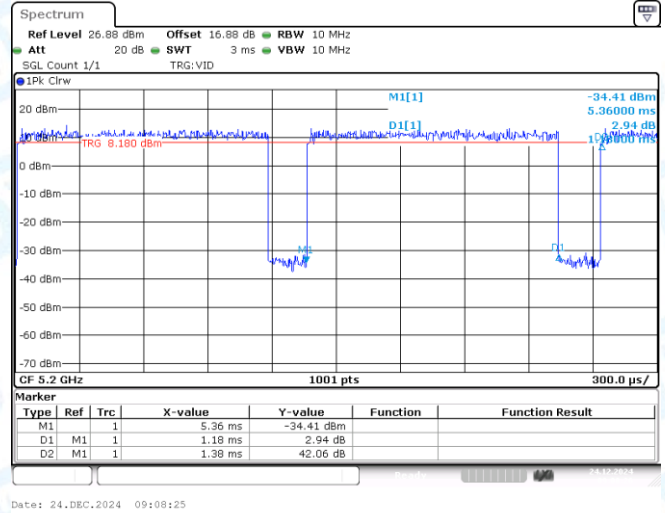


NTNV-11A-Ant1-5785

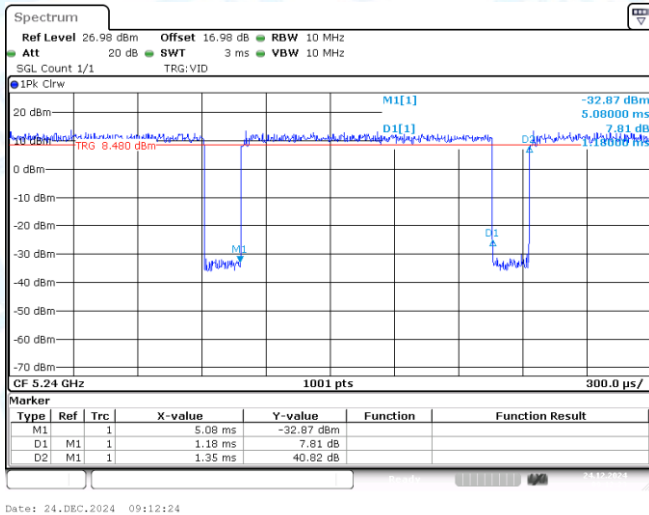
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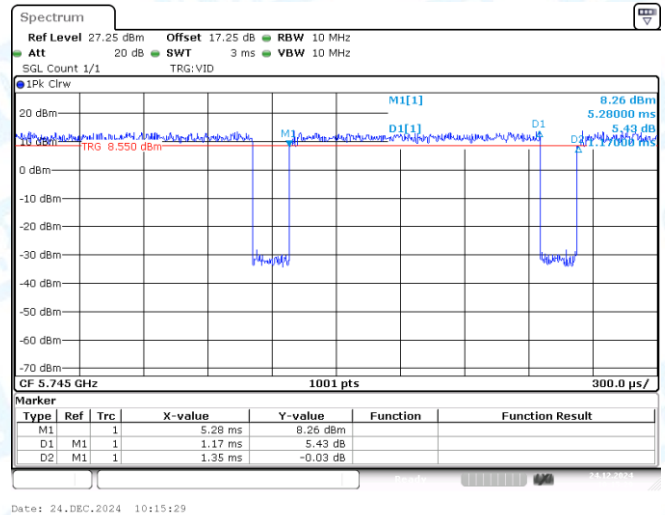
NTNV-11N20SISO-Ant1-5180



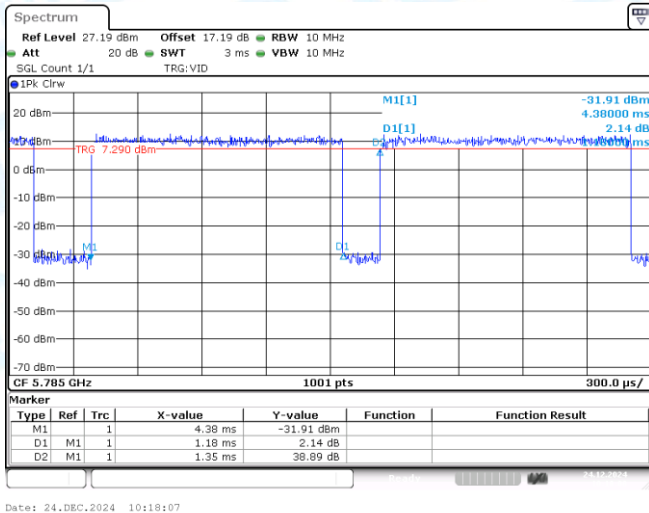
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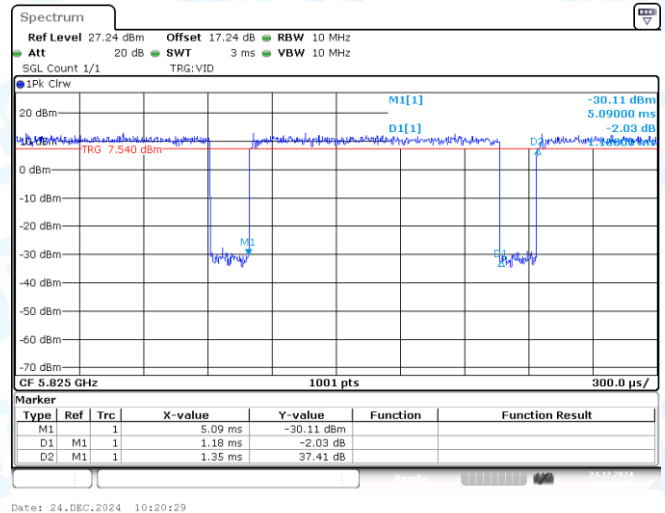
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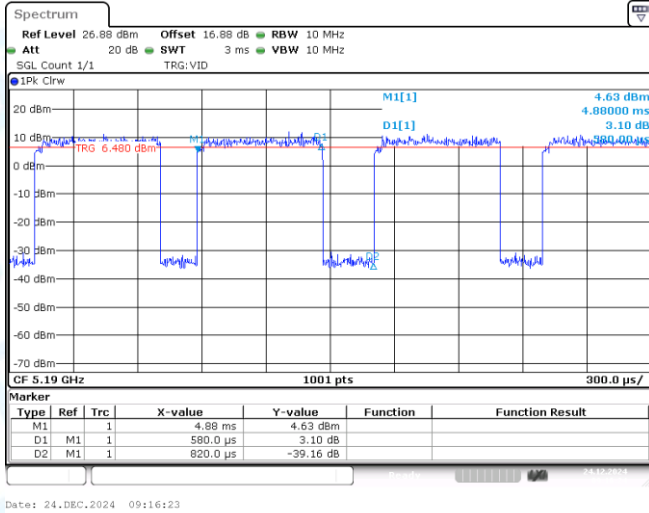
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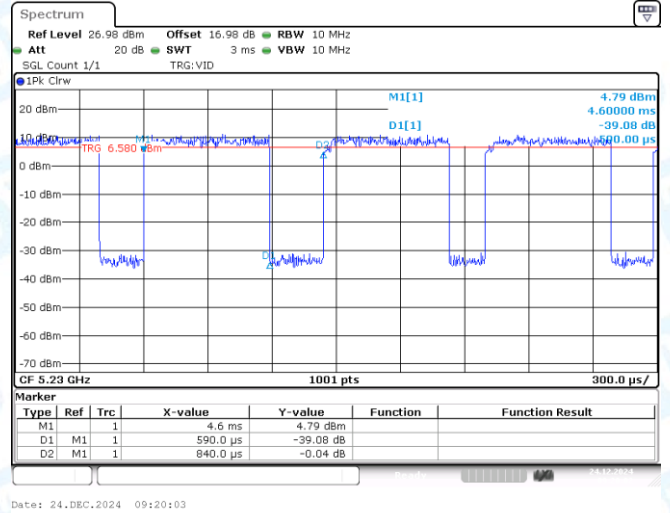
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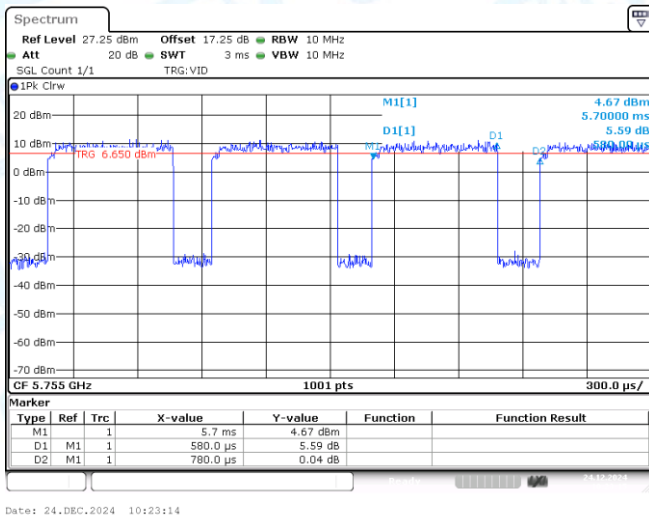
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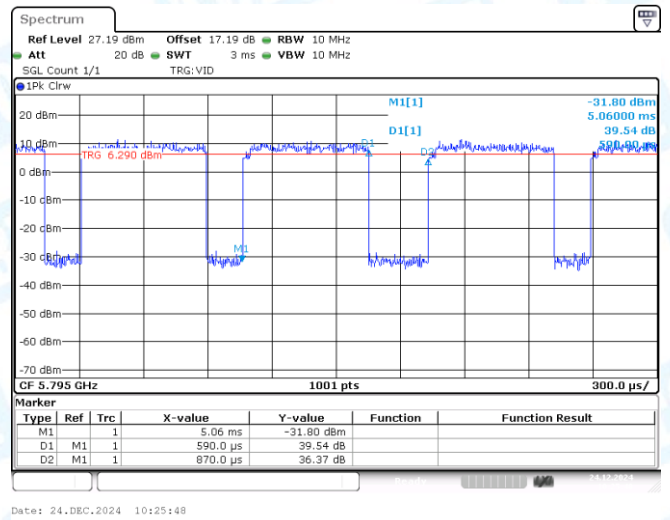
NTNV-11N40SISO-Ant1-5190



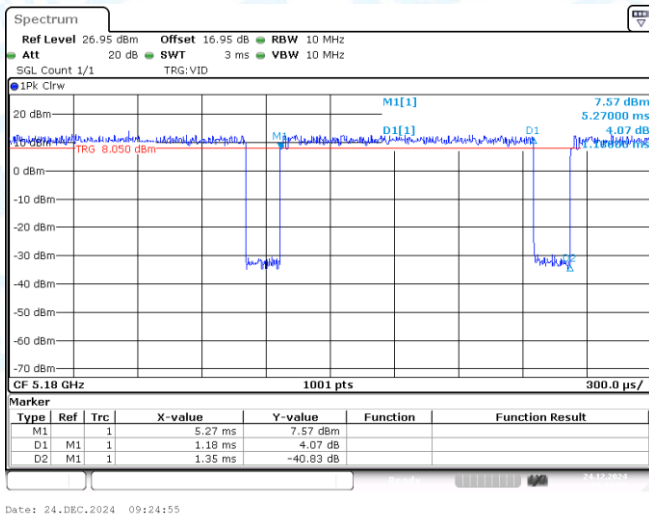
NTNV-11N40SISO-Ant1-5230



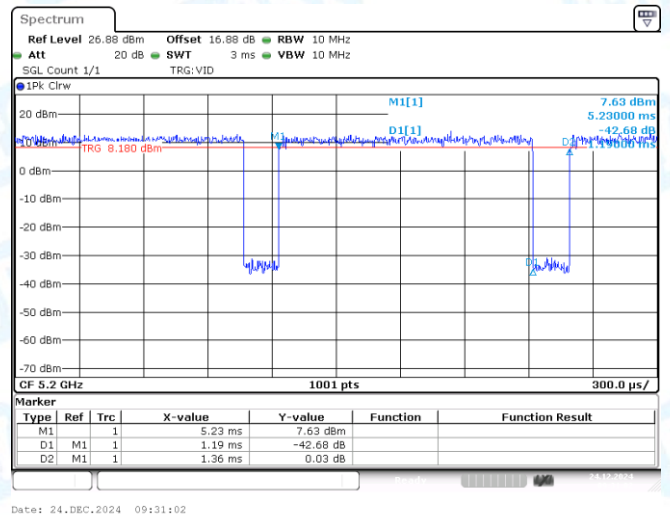
NTNV-11N40SISO-Ant1-5755



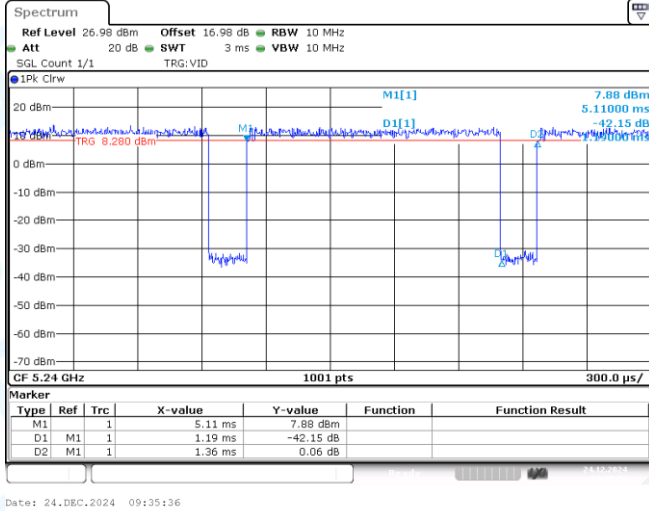
NTNV-11N40SISO-Ant1-5795



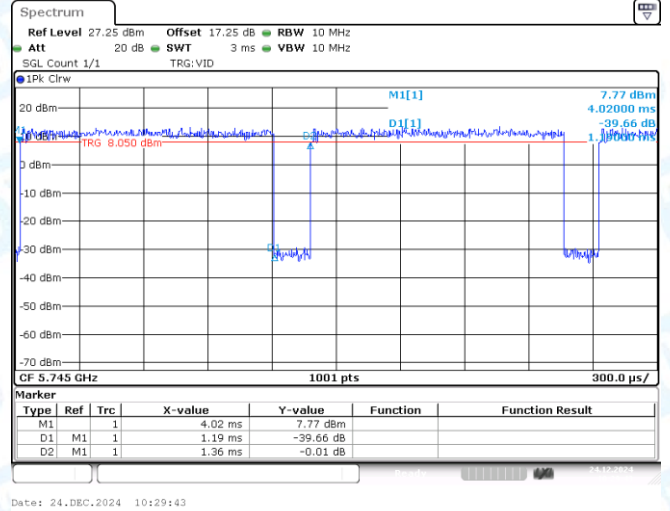
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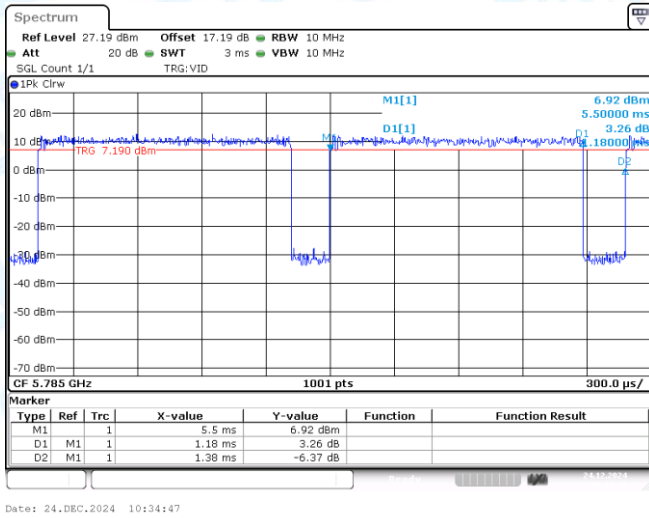
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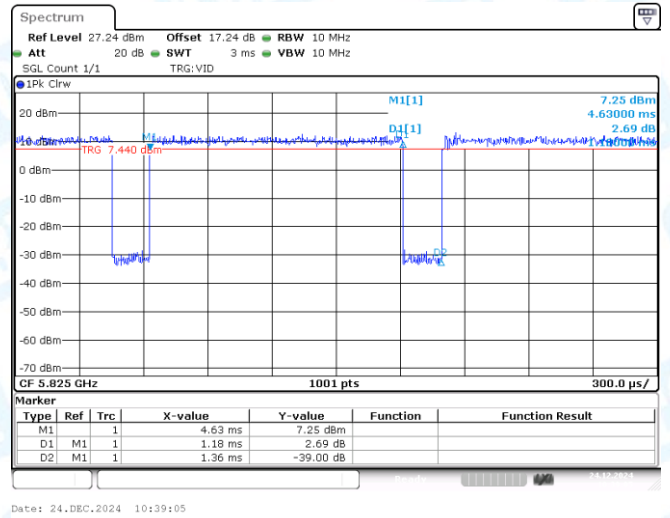
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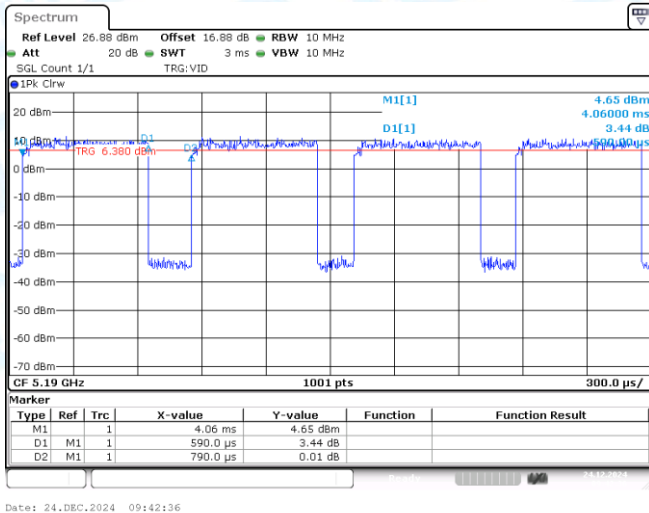
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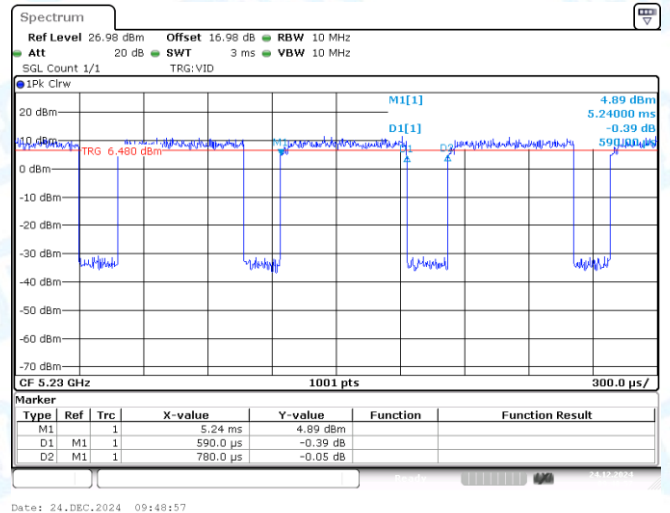
NTNV-11AC20SISO-Ant1-5785



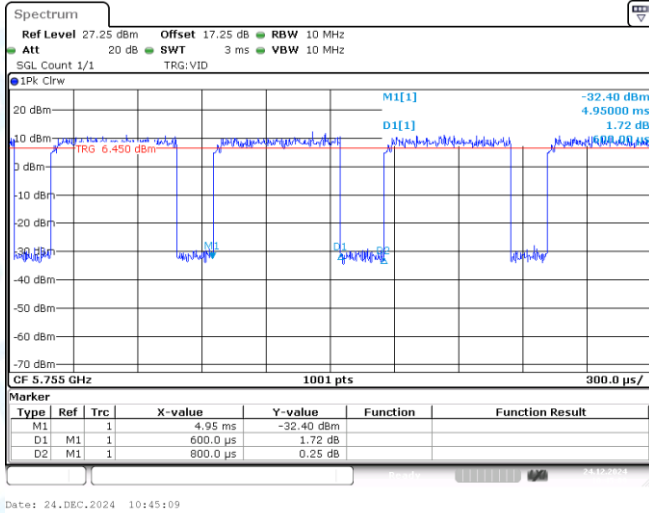
NTNV-11AC20SISO-Ant1-5825



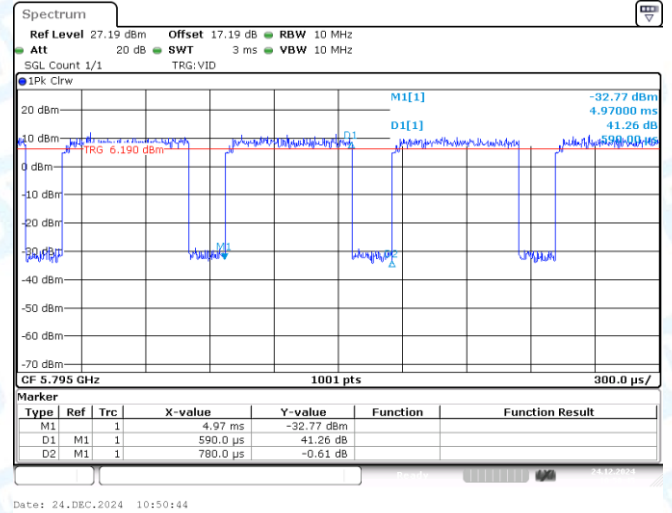
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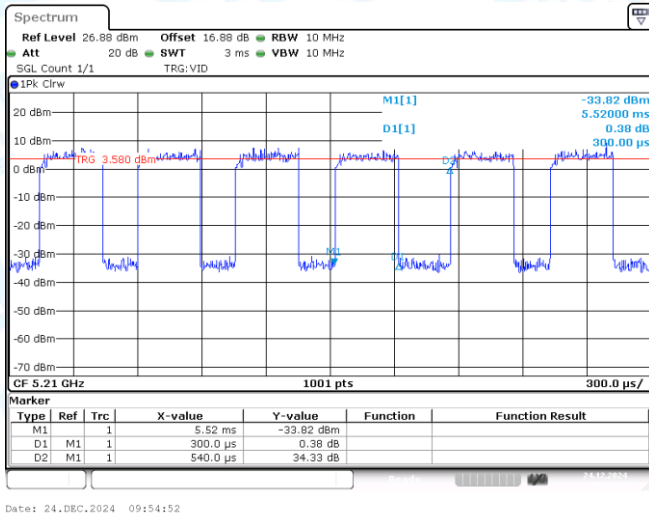
NTNV-11AC40SISO-Ant1-5230



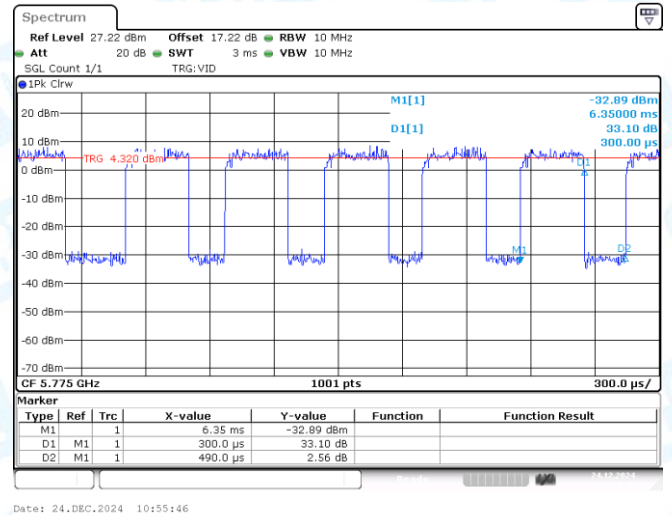
NTNV-11AC40SISO-Ant1-5755



NTNV-11AC40SISO-Ant1-5795



NTNV-11AC80SISO-Ant1-5210



NTNV-11AC80SISO-Ant1-5775

5: Maximum conducted output power

5.1 Test Result

TestMode	Antenna	Frequency [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	6.59	≤23.98	PASS
11A	Ant1	5200	6.12	≤23.98	PASS
11A	Ant1	5240	6.68	≤23.98	PASS
11A	Ant1	5745	6.47	≤30.00	PASS
11A	Ant1	5785	6.11	≤30.00	PASS
11A	Ant1	5825	5.74	≤30.00	PASS
11N20SISO	Ant1	5180	6.08	≤23.98	PASS
11N20SISO	Ant1	5200	6.26	≤23.98	PASS
11N20SISO	Ant1	5240	6.31	≤23.98	PASS
11N20SISO	Ant1	5745	6.72	≤30.00	PASS
11N20SISO	Ant1	5785	5.97	≤30.00	PASS
11N20SISO	Ant1	5825	5.60	≤30.00	PASS
11N40SISO	Ant1	5190	6.92	≤23.98	PASS
11N40SISO	Ant1	5230	7.11	≤23.98	PASS
11N40SISO	Ant1	5755	6.59	≤30.00	PASS
11N40SISO	Ant1	5795	7.06	≤30.00	PASS
11AC20SISO	Ant1	5180	6.11	≤23.98	PASS
11AC20SISO	Ant1	5200	6.10	≤23.98	PASS
11AC20SISO	Ant1	5240	6.33	≤23.98	PASS
11AC20SISO	Ant1	5745	6.20	≤30.00	PASS
11AC20SISO	Ant1	5785	5.52	≤30.00	PASS
11AC20SISO	Ant1	5825	5.23	≤30.00	PASS
11AC40SISO	Ant1	5190	6.67	≤23.98	PASS
11AC40SISO	Ant1	5230	6.83	≤23.98	PASS
11AC40SISO	Ant1	5755	6.62	≤30.00	PASS
11AC40SISO	Ant1	5795	6.62	≤30.00	PASS
11AC80SISO	Ant1	5210	6.81	≤23.98	PASS
11AC80SISO	Ant1	5775	6.06	≤30.00	PASS

Note: The Duty Cycle Factor and RBW Factor is compensated in the graph.