

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

General Description of EUT	
EUT Name:	Tablet PC
Model:	K10
Sample ID:	HC-C-202504-0232-01-01#
Environmental Conditions	
Ambient Temperature:	Tablet PC
Ambient Humidity:	K10
Test Power Supply:	HC-C-202504-0232-01-01#
Test Engineer:	Tablet PC
Note: For a more detailed features description, please refer to the report TBR-C-202504-0232-53	

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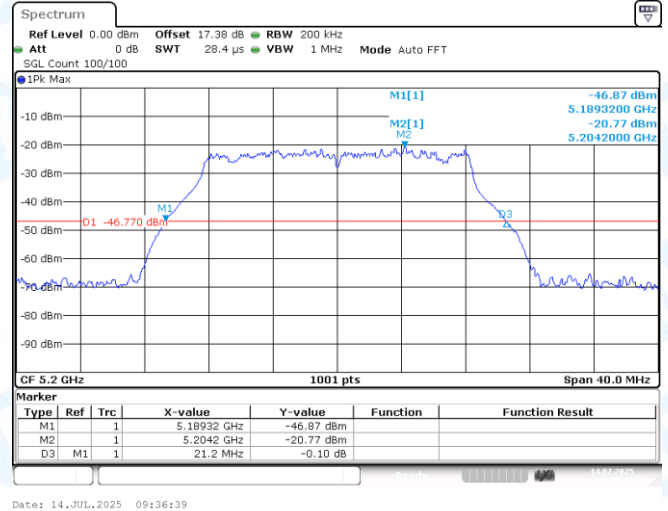
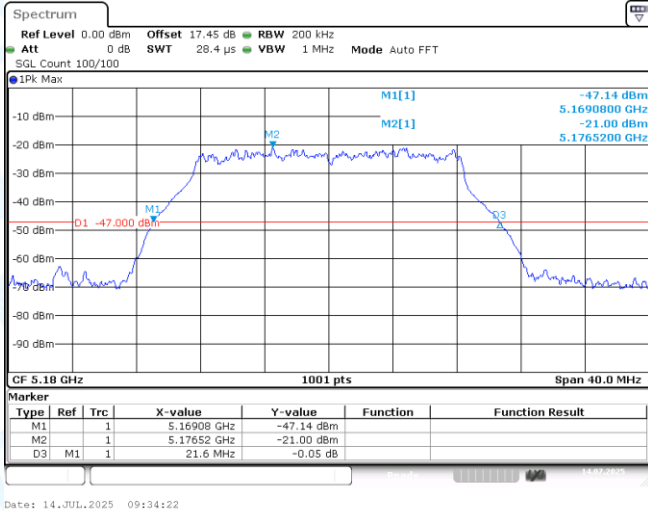
1: Emission Bandwidth

1.1 Test Result

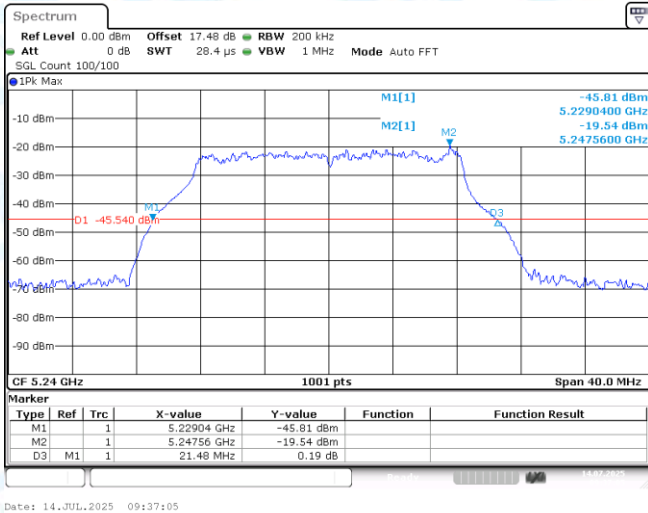
TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.60	5169.08	5190.68	---	---
11A	Ant1	5200	21.20	5189.32	5210.52	---	---
11A	Ant1	5240	21.48	5229.04	5250.52	---	---
11N20SISO	Ant1	5180	21.64	5169.16	5190.80	---	---
11N20SISO	Ant1	5200	21.28	5189.24	5210.52	---	---
11N20SISO	Ant1	5240	21.20	5229.64	5250.84	---	---
11N40SISO	Ant1	5190	39.92	5170.08	5210.00	---	---
11N40SISO	Ant1	5230	40.80	5209.84	5250.64	---	---
11AC20SISO	Ant1	5180	21.52	5169.32	5190.84	---	---
11AC20SISO	Ant1	5200	21.28	5189.28	5210.56	---	---
11AC20SISO	Ant1	5240	21.80	5229.24	5251.04	---	---
11AC40SISO	Ant1	5190	40.80	5169.44	5210.24	---	---
11AC40SISO	Ant1	5230	40.72	5209.68	5250.40	---	---
11AX20SISO	Ant1	5180	22.24	5168.92	5191.16	---	---
11AX20SISO	Ant1	5200	21.76	5188.92	5210.68	---	---
11AX20SISO	Ant1	5240	21.00	5229.56	5250.56	---	---
11AX40SISO	Ant1	5190	40.40	5169.92	5210.32	---	---
11AX40SISO	Ant1	5230	40.48	5209.92	5250.40	---	---

Note: input compensation coefficient (dB)= Cable Loss (dB)+ Attenuator factor

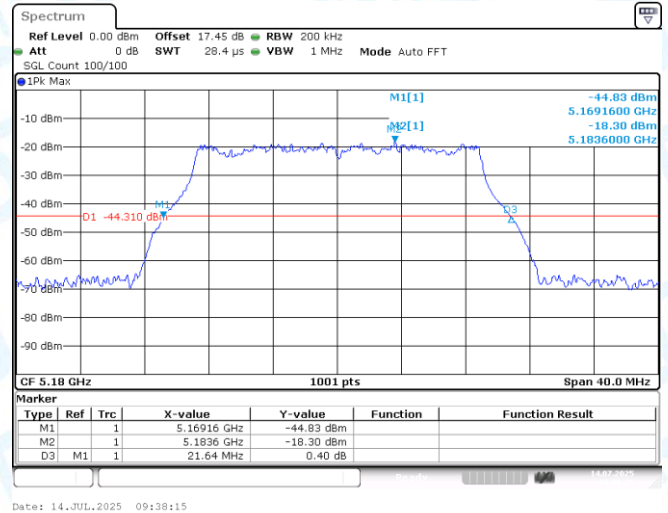
1.2 Test Graphs



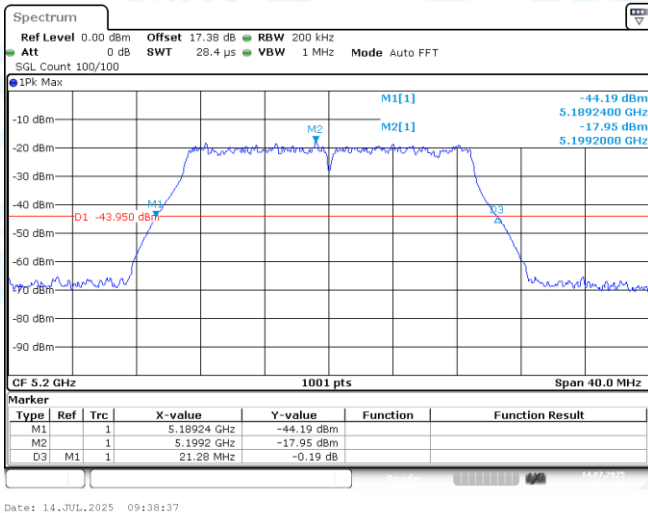
11A-Ant1-5180



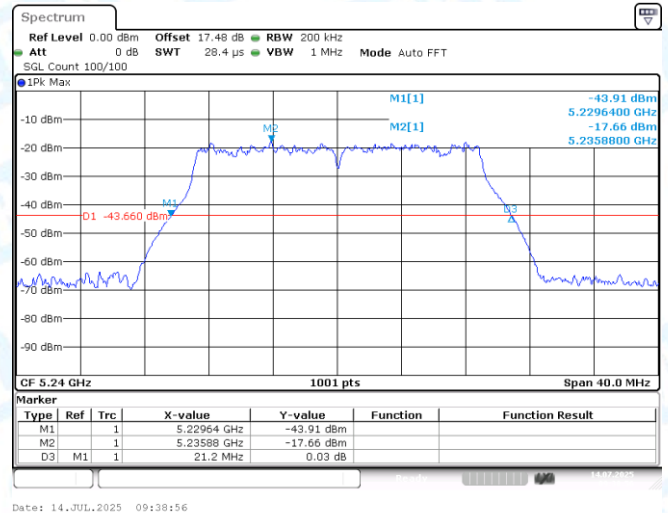
11A-Ant1-5200



11A-Ant1-5240

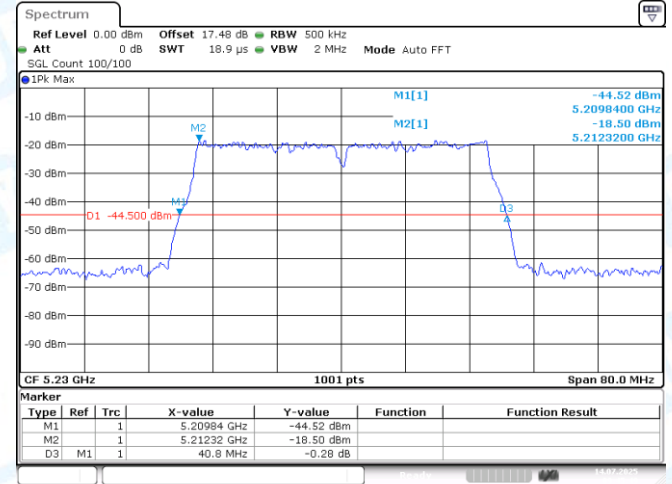
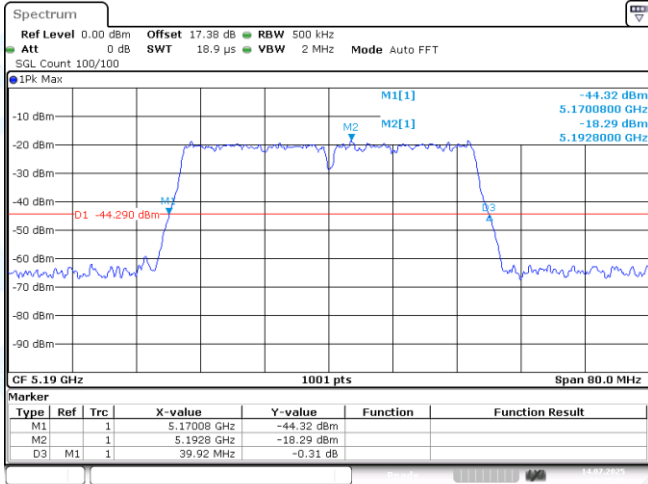


11N20SISO-Ant1-5180



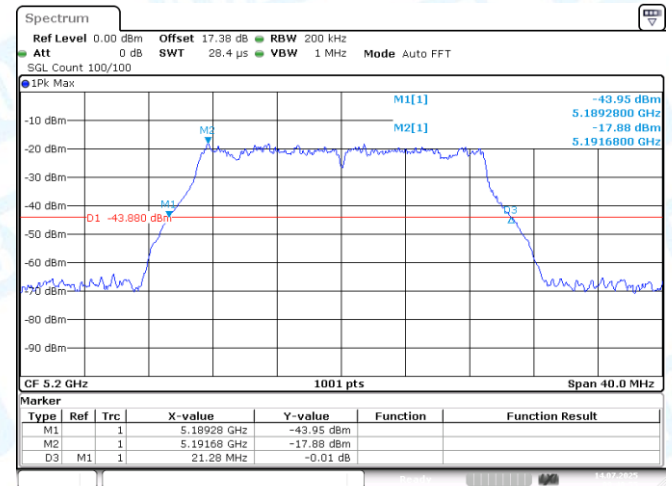
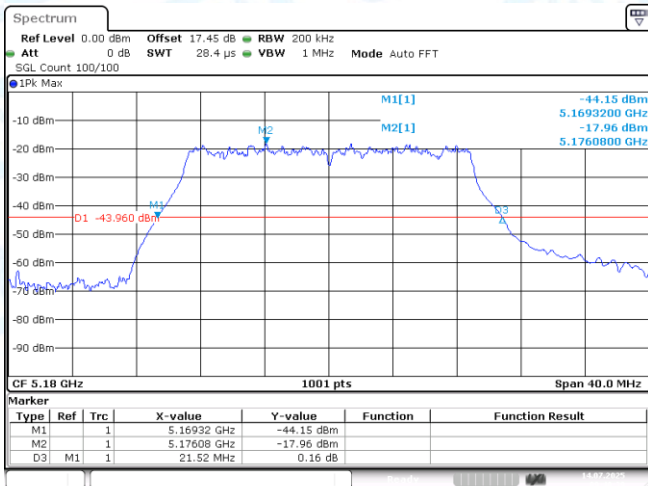
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11N20SISO-Ant1-5240



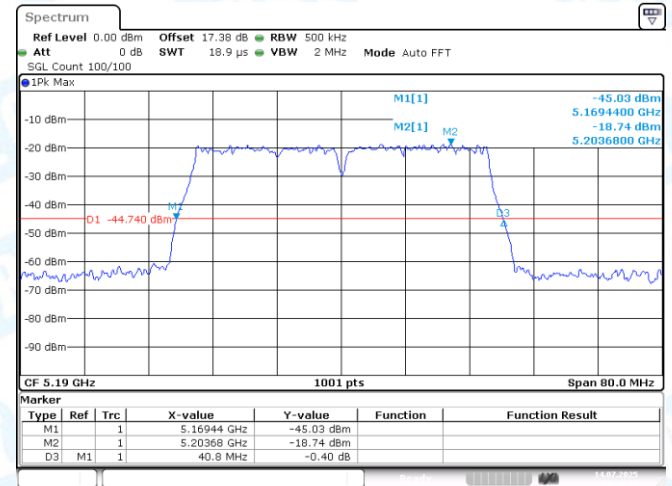
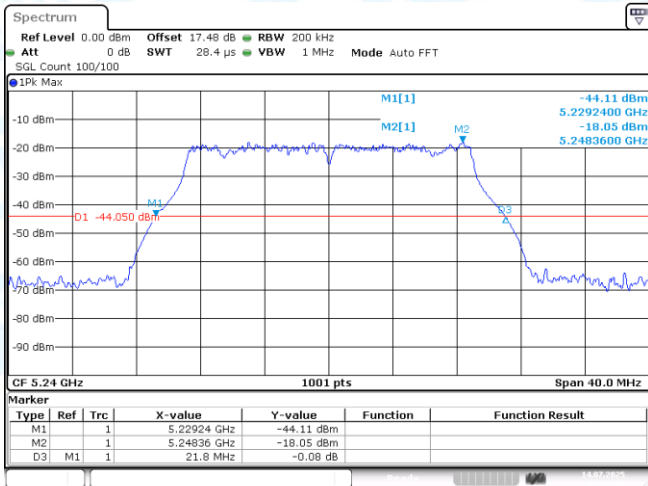
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11N40SISO-Ant1-5230



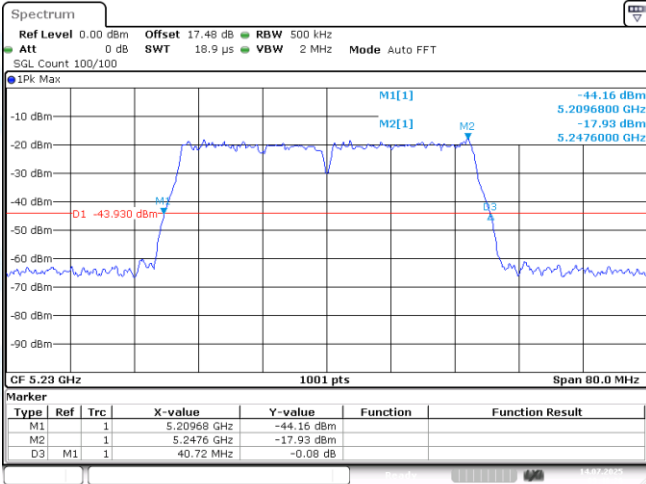
11AC20SISO-Ant1-5180

11AC20SISO-Ant1-5200

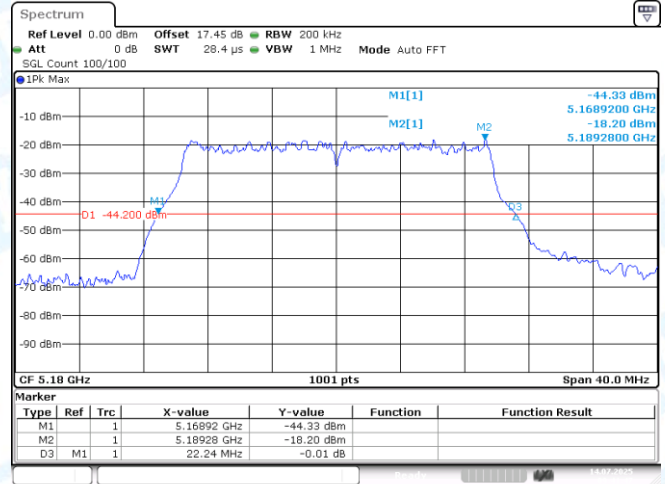


11AC20SISO-Ant1-5240

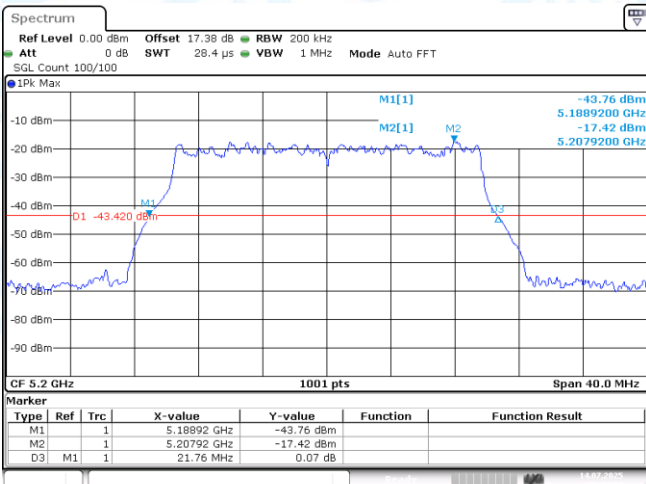
11AC40SISO-Ant1-5190



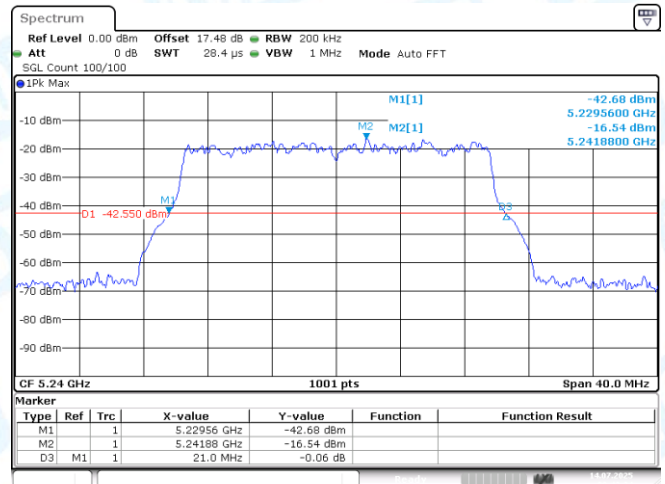
11AC40SISO-Ant1-5230



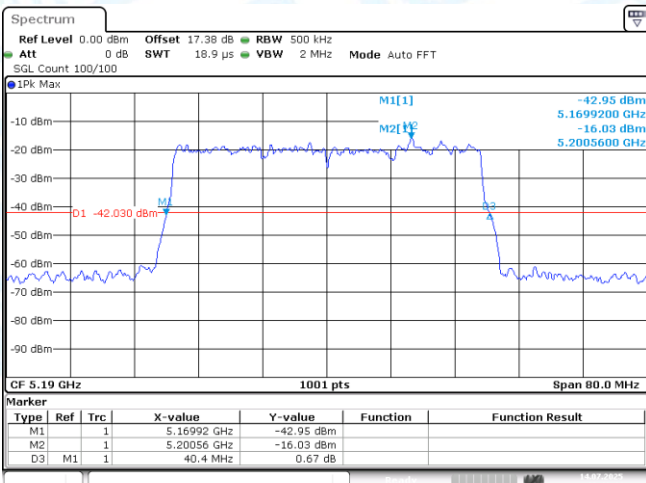
11AX20SISO-Ant1-5180



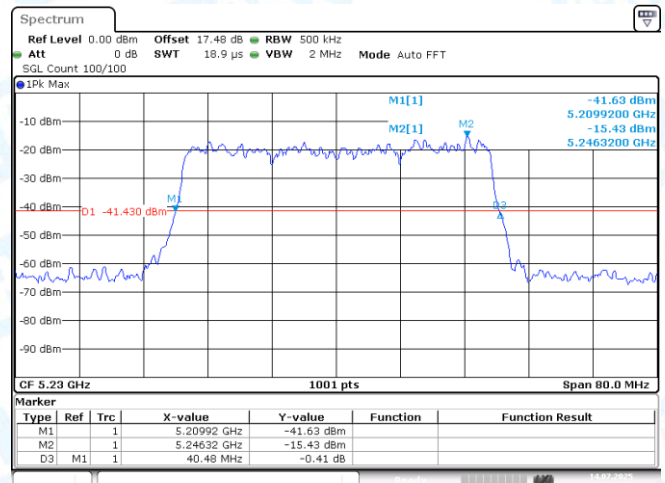
11AX20SISO-Ant1-5200



11AX20SISO-Ant1-5240



11AX40SISO-Ant1-5190



11AX40SISO-Ant1-5230

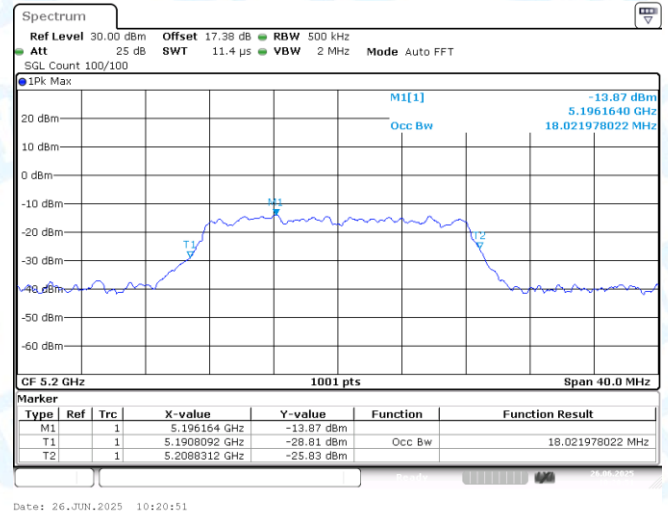
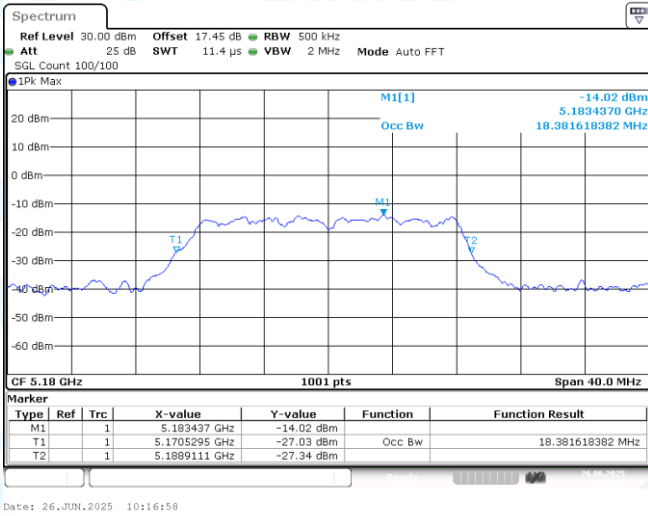
2: Occupied channel bandwidth

2.1 Test Result

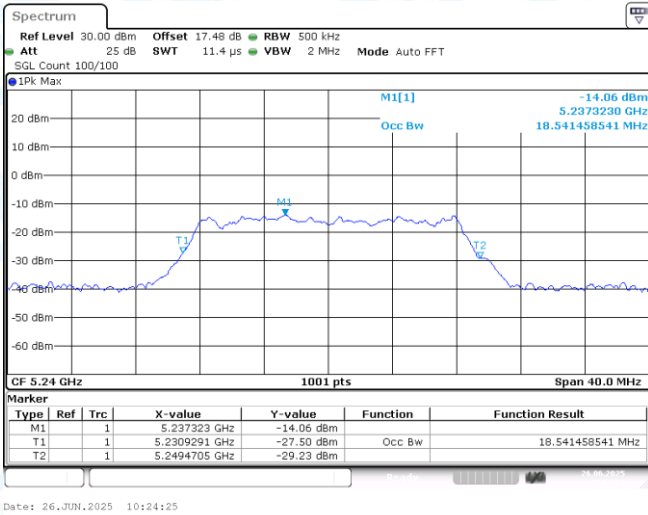
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.382	5170.5295	5188.9111	---	---
11A	Ant1	5200	18.022	5190.8092	5208.8312	---	---
11A	Ant1	5240	18.541	5230.9291	5249.4705	---	---
11A	Ant1	5745	17.183	5736.4486	5753.6314	---	---
11A	Ant1	5785	17.463	5776.4486	5793.9111	---	---
11A	Ant1	5825	18.142	5816.0090	5834.1508	---	---
11N20SISO	Ant1	5180	18.581	5170.8092	5189.3906	---	---
11N20SISO	Ant1	5200	18.781	5190.6094	5209.3906	---	---
11N20SISO	Ant1	5240	18.941	5230.4895	5249.4306	---	---
11N20SISO	Ant1	5745	19.261	5735.5295	5754.7902	---	---
11N20SISO	Ant1	5785	18.861	5775.8891	5794.7502	---	---
11N20SISO	Ant1	5825	18.741	5815.5295	5834.2707	---	---
11N40SISO	Ant1	5190	37.962	5735.8991	5773.8611	---	---
11N40SISO	Ant1	5230	37.483	5776.2188	5813.7013	---	---
11N40SISO	Ant1	5755	37.962	5735.8991	5773.8611	---	---
11N40SISO	Ant1	5795	37.483	5776.2188	5813.7013	---	---
11AC20SISO	Ant1	5180	18.581	5170.7293	5189.3107	---	---
11AC20SISO	Ant1	5200	18.781	5190.6494	5209.4306	---	---
11AC20SISO	Ant1	5240	18.102	5230.9690	5249.0709	---	---
11AC20SISO	Ant1	5745	18.781	5735.6094	5754.3906	---	---
11AC20SISO	Ant1	5785	18.422	5775.6893	5794.1109	---	---
11AC20SISO	Ant1	5825	19.021	5815.7692	5834.7902	---	---
11AC40SISO	Ant1	5190	37.403	5171.3786	5208.7812	---	---
11AC40SISO	Ant1	5230	37.083	5211.2987	5248.3816	---	---
11AC40SISO	Ant1	5755	38.042	5735.8192	5773.8611	---	---
11AC40SISO	Ant1	5795	38.122	5776.2188	5814.3407	---	---
11AX20SISO	Ant1	5180	19.421	5170.2498	5189.6703	---	---
11AX20SISO	Ant1	5200	19.381	5190.2498	5209.6304	---	---
11AX20SISO	Ant1	5240	19.221	5230.3696	5249.5904	---	---
11AX20SISO	Ant1	5745	19.780	5735.0100	5754.7902	---	---
11AX20SISO	Ant1	5785	19.341	5775.2897	5794.6304	---	---
11AX20SISO	Ant1	5825	19.261	5815.3696	5834.6304	---	---
11AX40SISO	Ant1	5190	38.761	5170.8192	5209.5804	---	---
11AX40SISO	Ant1	5230	38.362	5210.8192	5249.1808	---	---
11AX40SISO	Ant1	5755	38.841	5735.7393	5774.5804	---	---
11AX40SISO	Ant1	5795	38.681	5775.6593	5814.3407	---	---

Note: input compensation coefficient (dB)= Cable Loss (dB)+ Attenuator factor

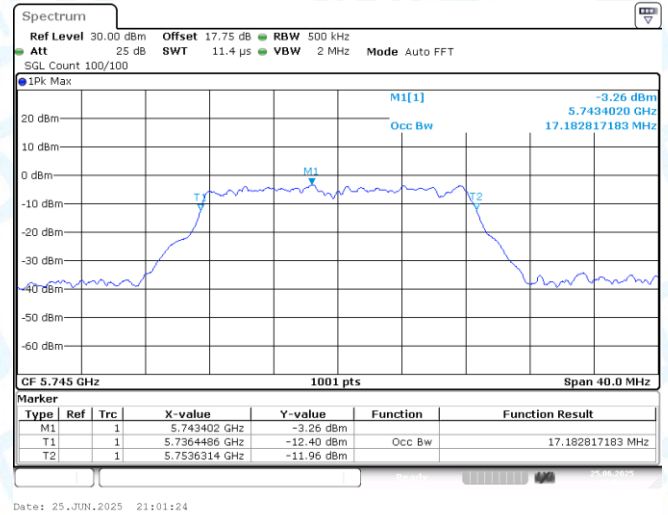
2.2 Test Graphs



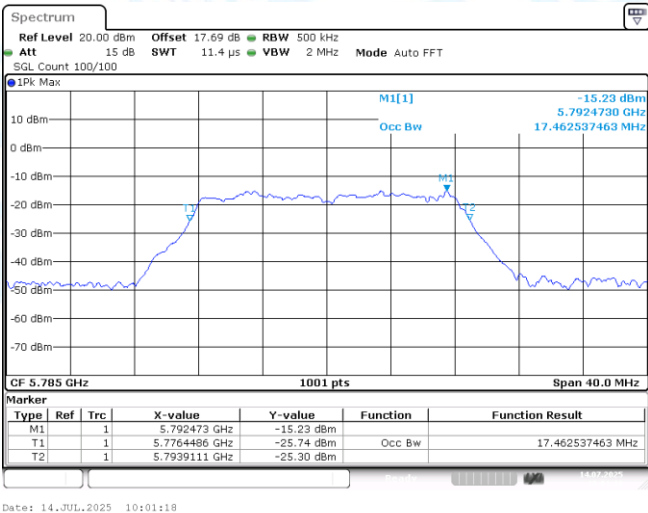
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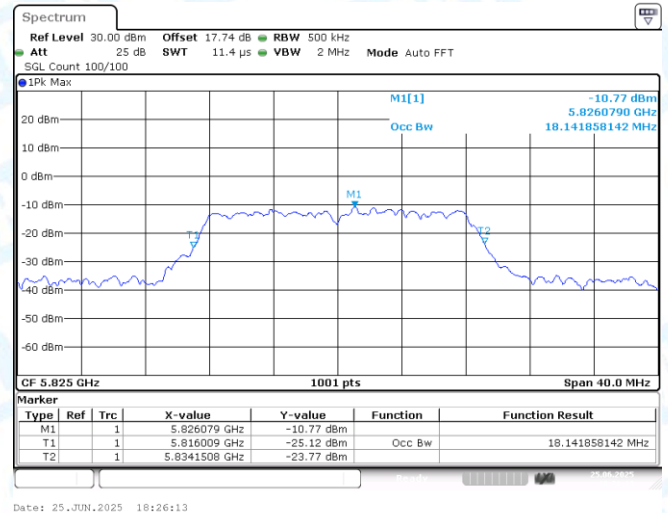
11A-Ant1-5200



11A-Ant1-5240

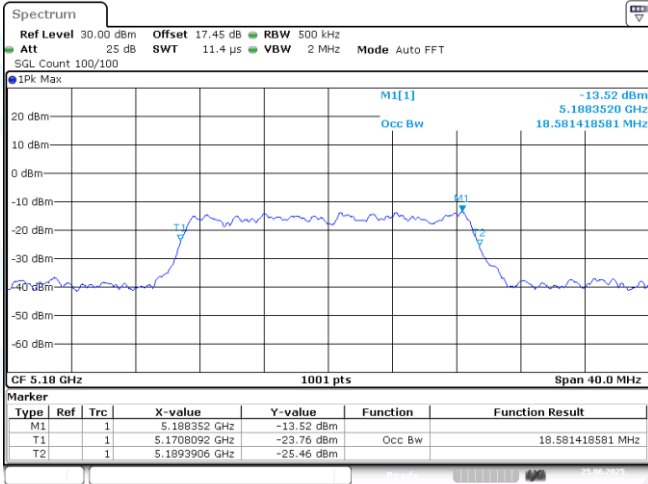


11A-Ant1-5745

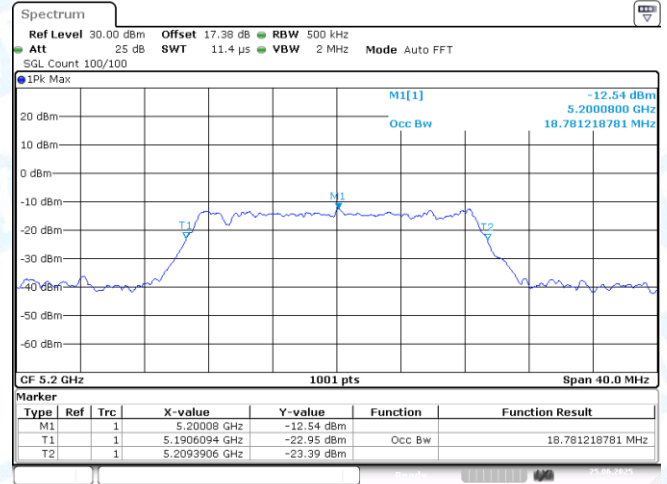


11A-Ant1-5785

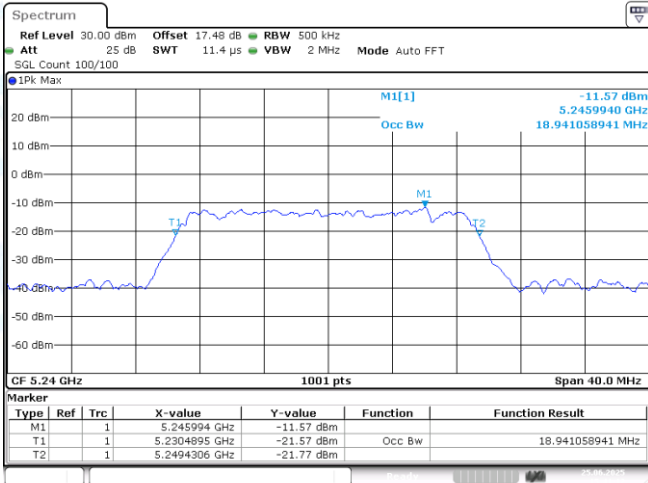
11A-Ant1-5825



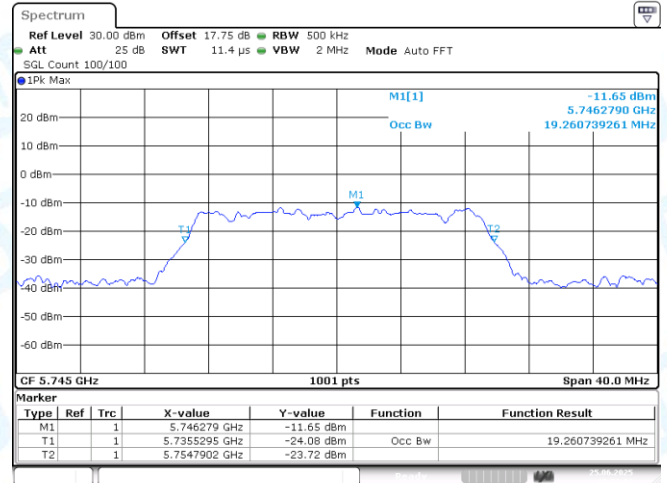
11N20SISO-Ant1-5180



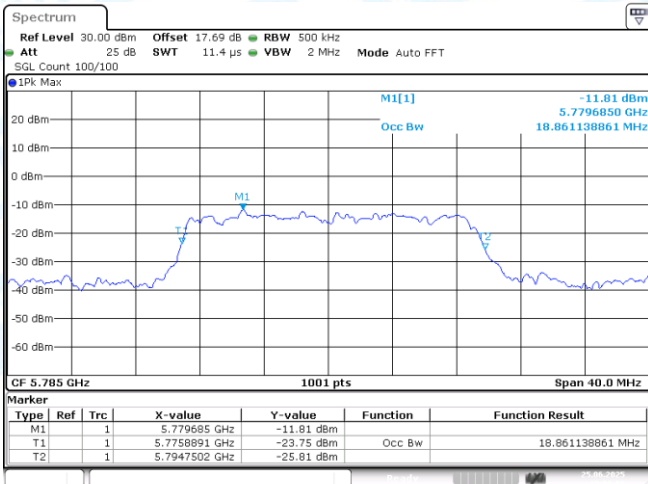
11N20SISO-Ant1-5200



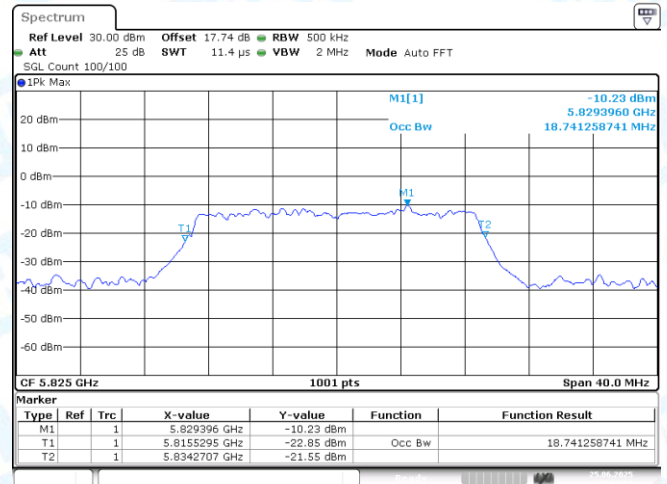
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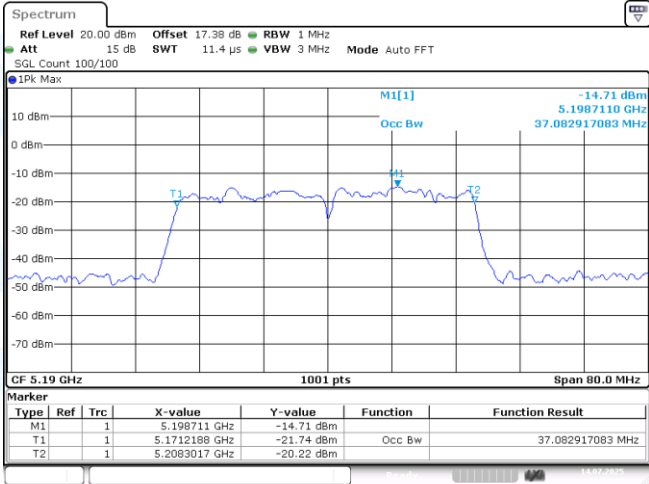
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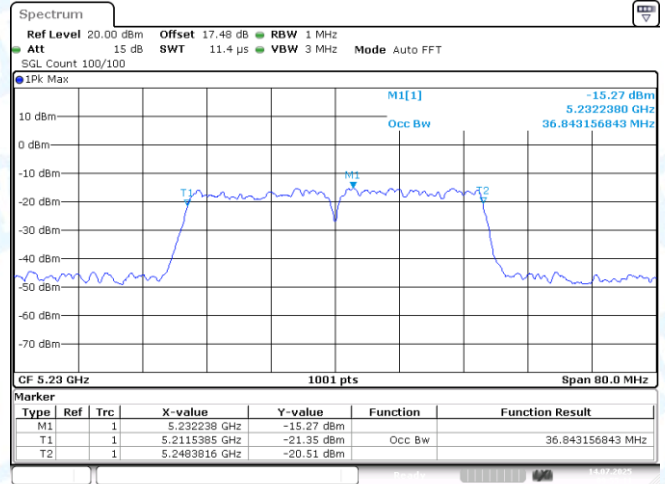
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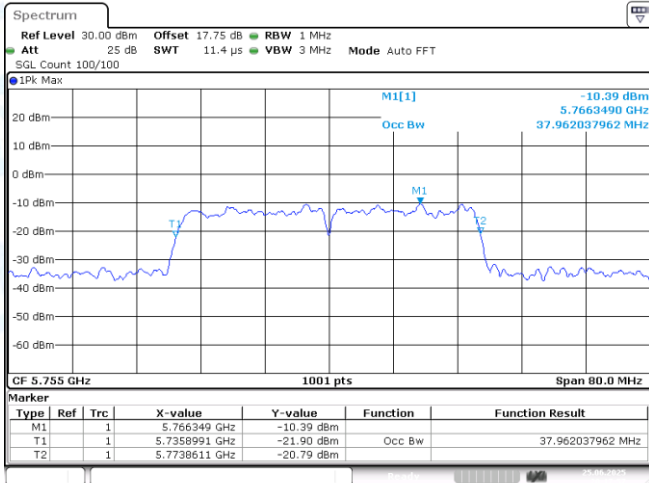
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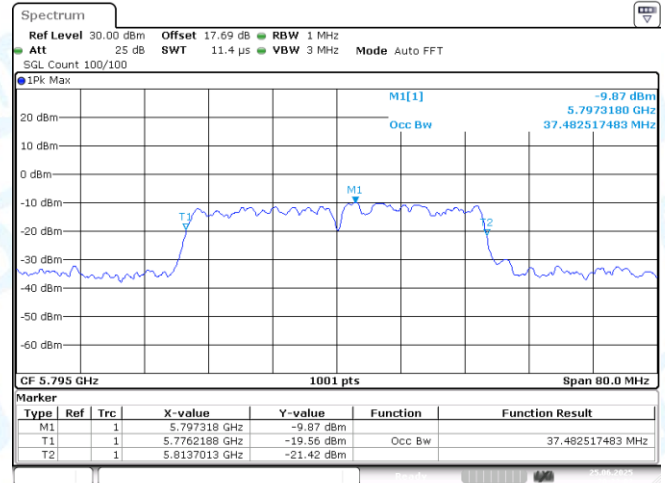
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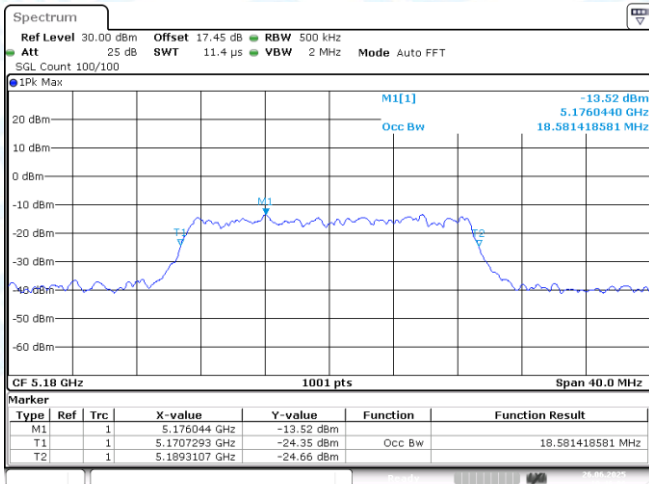
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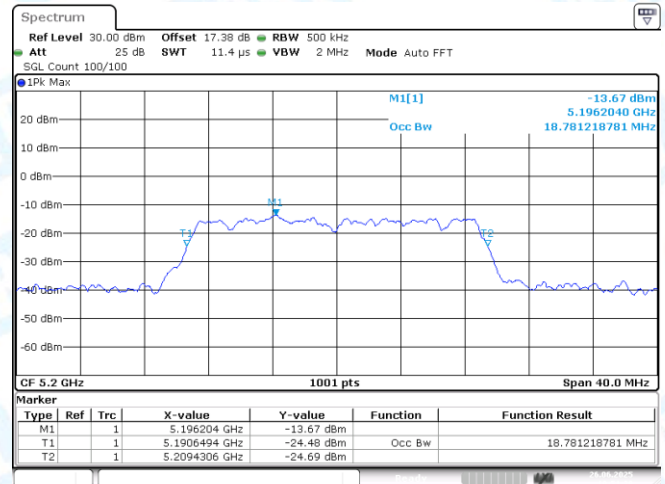
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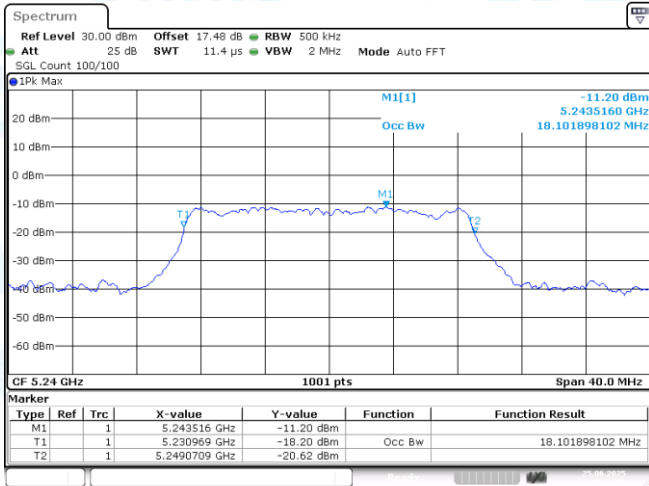
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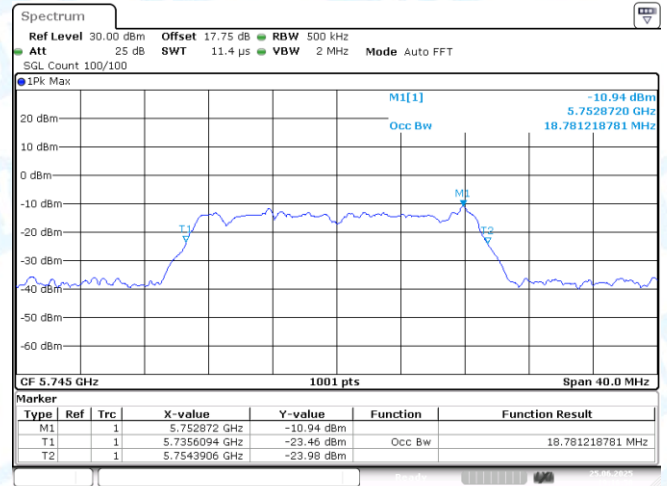
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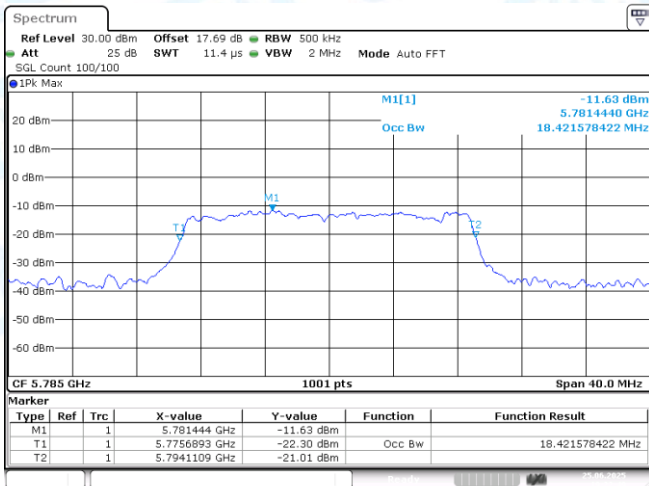
11AC20SISO-Ant1-5200



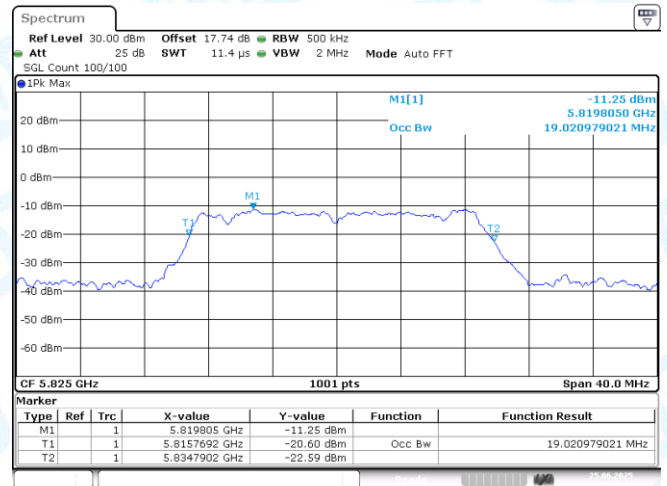
11AC20SISO-Ant1-5240



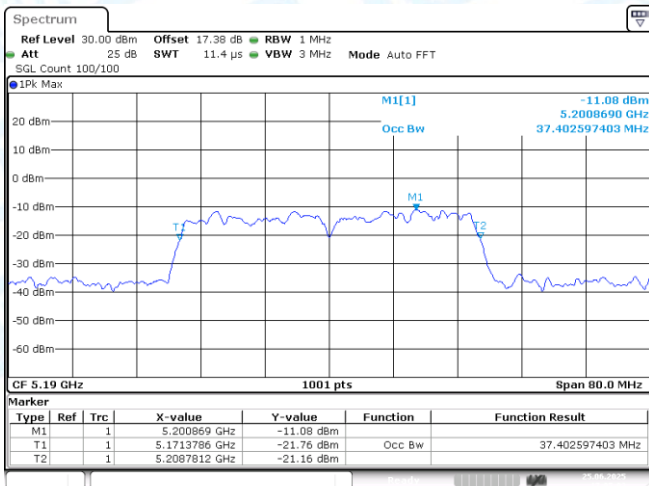
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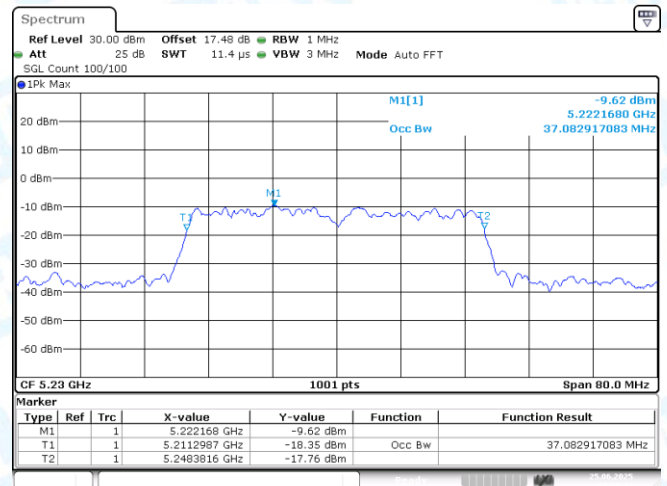
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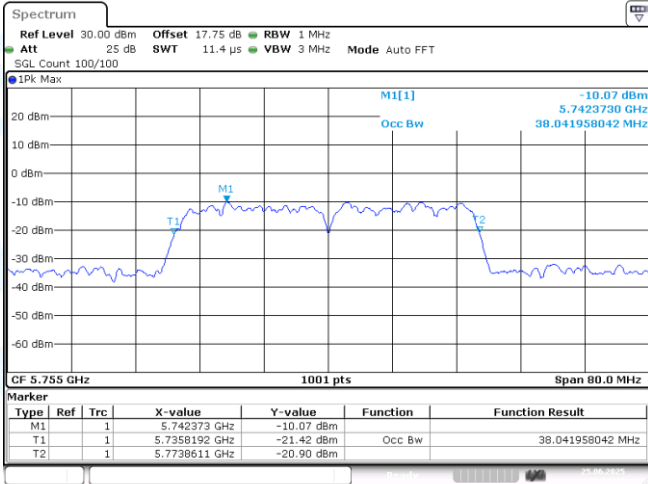
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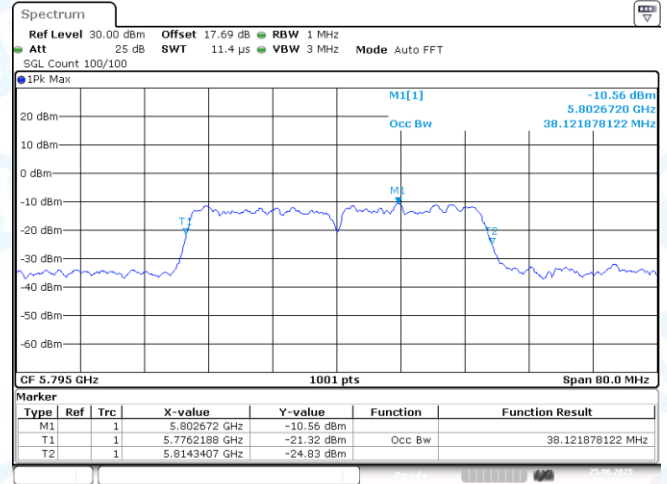
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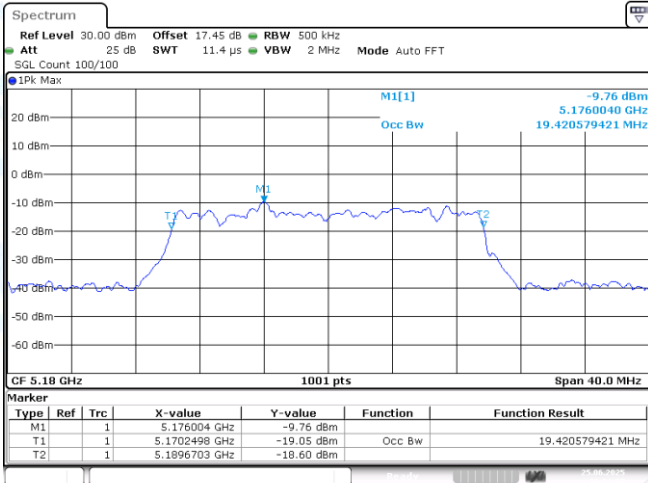
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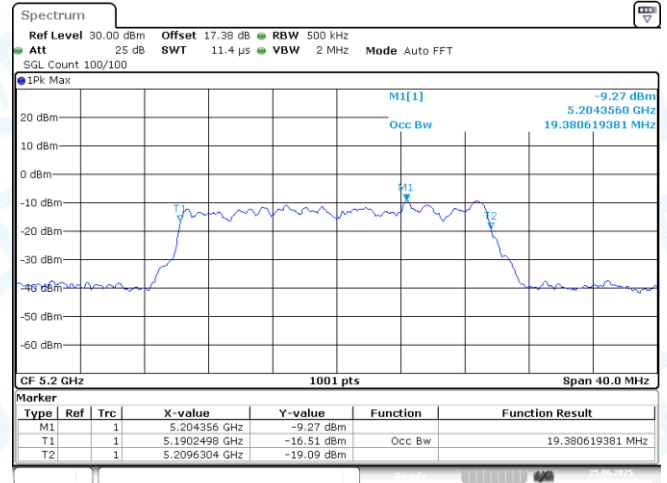
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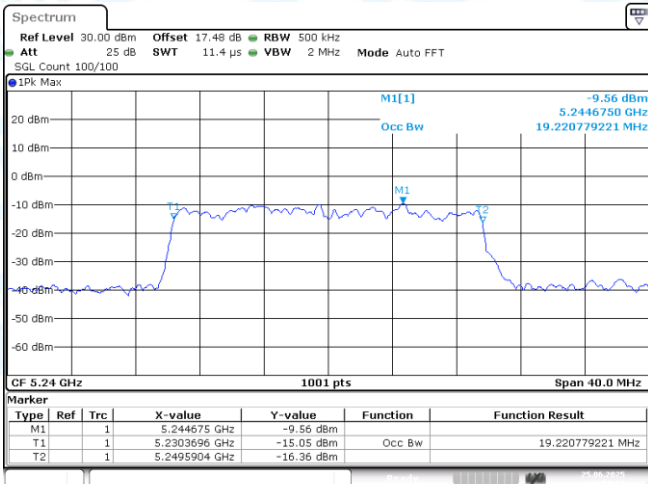
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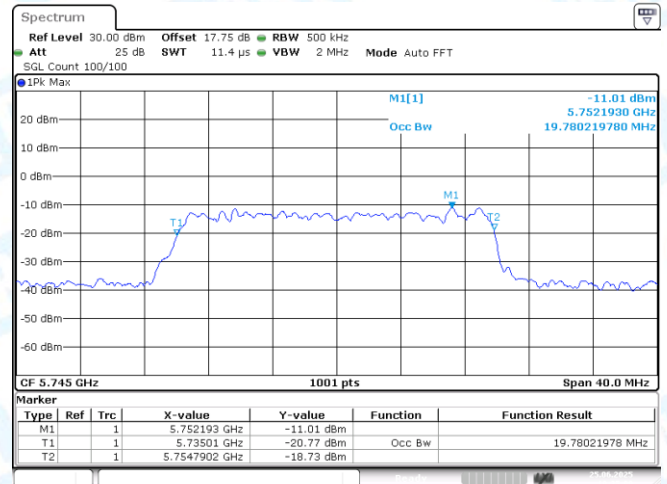
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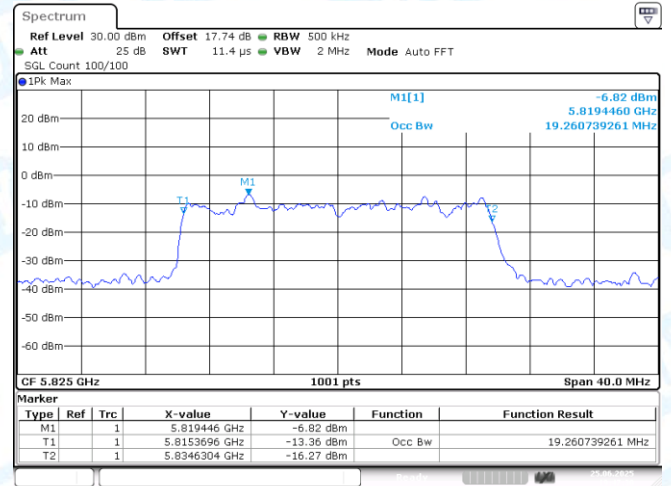
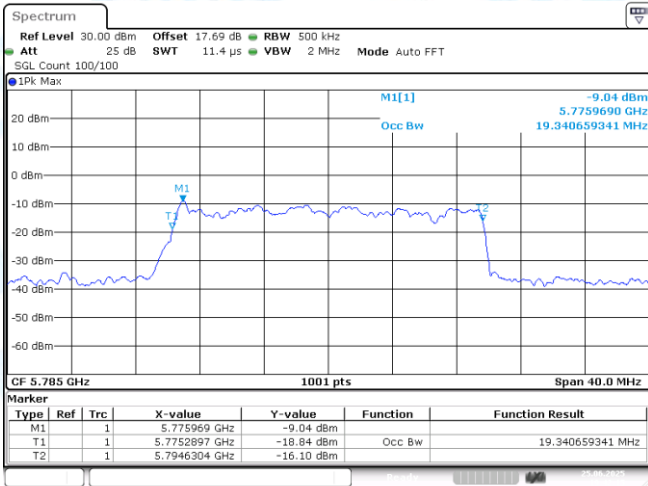
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11AX20SISO-Ant1-5240

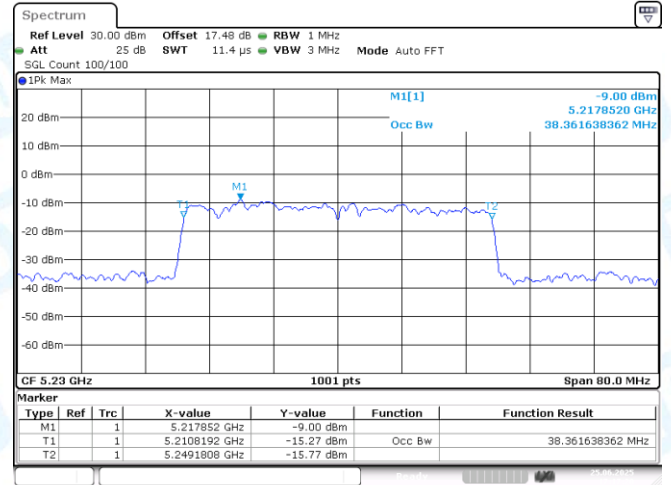
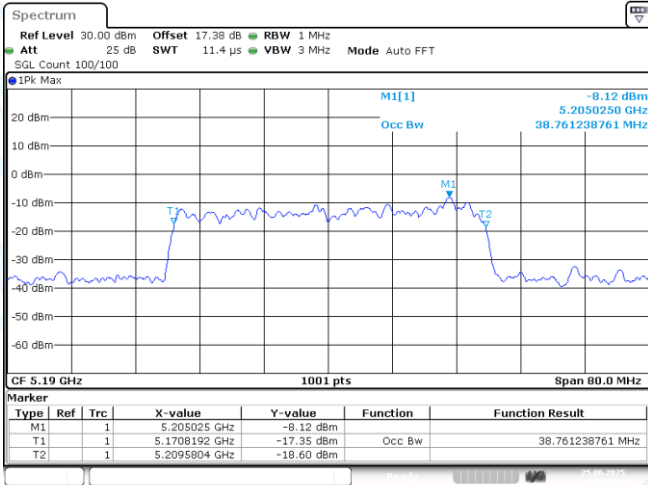


11AX20SISO-Ant1-5745



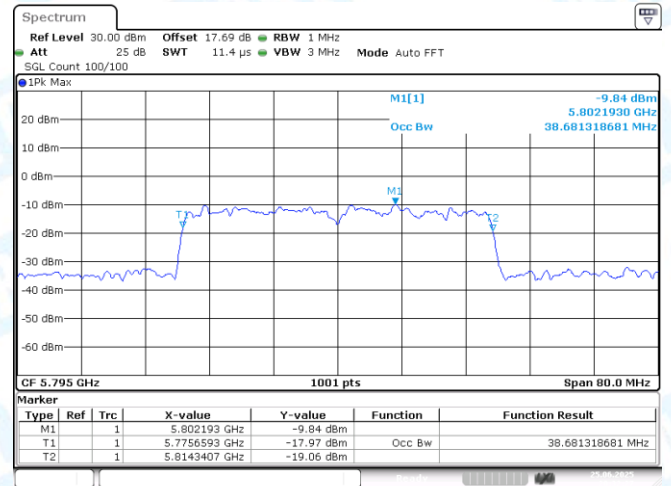
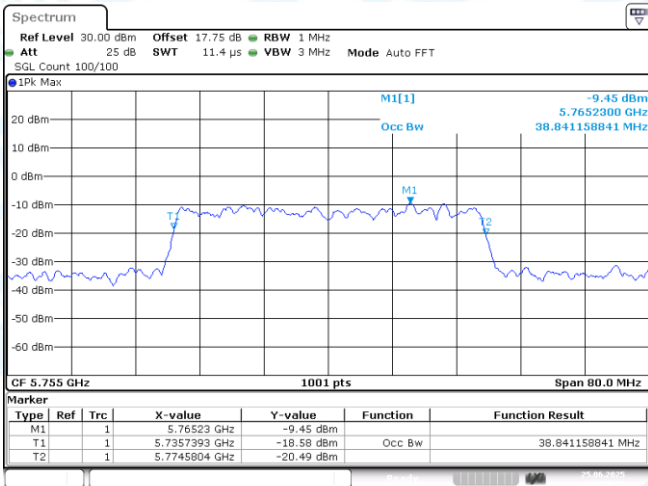
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11AX20ISO-Ant1-5825



11AX40ISO-Ant1-5190

11AX40ISO-Ant1-5230



11AX40ISO-Ant1-5755

11AX40ISO-Ant1-5795

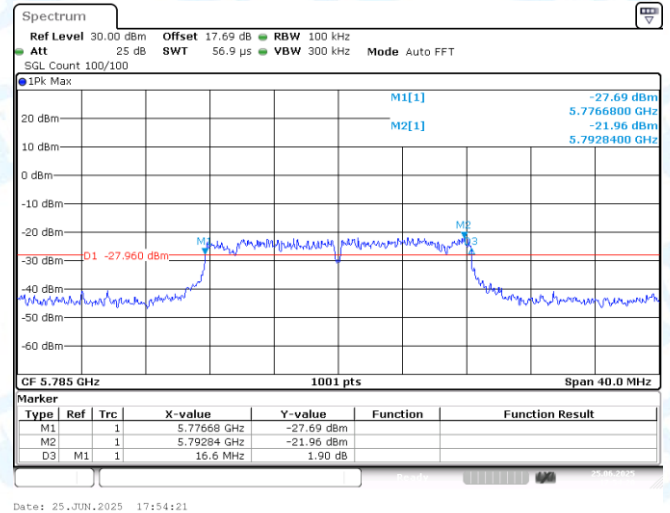
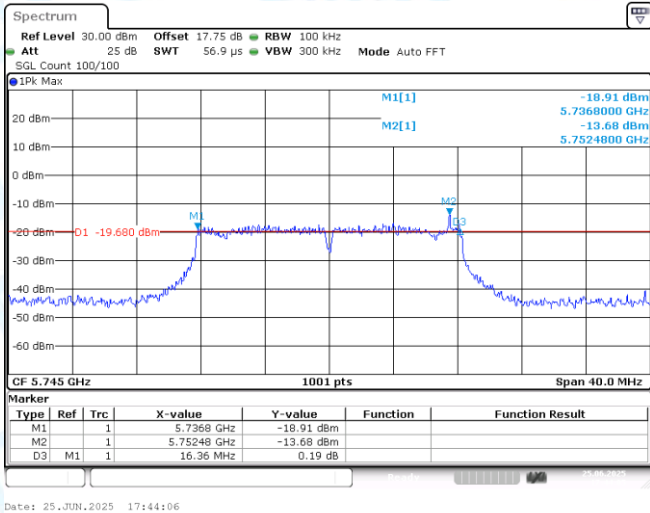
3: Min emission bandwidth

3.1 Test Result-B4

TestMode	Antenna	Frequency[MHz]	6dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.36	5736.80	5753.16	0.5	PASS
11A	Ant1	5785	16.60	5776.68	5793.28	0.5	PASS
11A	Ant1	5825	16.60	5816.68	5833.28	0.5	PASS
11N20SISO	Ant1	5745	17.84	5736.04	5753.88	0.5	PASS
11N20SISO	Ant1	5785	17.68	5776.16	5793.84	0.5	PASS
11N20SISO	Ant1	5825	17.76	5816.12	5833.88	0.5	PASS
11N40SISO	Ant1	5755	38.24	5735.88	5774.12	0.5	PASS
11N40SISO	Ant1	5795	36.40	5776.76	5813.16	0.5	PASS
11AC20SISO	Ant1	5745	17.84	5736.04	5753.88	0.5	PASS
11AC20SISO	Ant1	5785	17.84	5776.08	5793.92	0.5	PASS
11AC20SISO	Ant1	5825	17.80	5816.08	5833.88	0.5	PASS
11AC40SISO	Ant1	5755	36.40	5736.76	5773.16	0.5	PASS
11AC40SISO	Ant1	5795	36.56	5776.68	5813.24	0.5	PASS
11AX20SISO	Ant1	5745	19.16	5735.40	5754.56	0.5	PASS
11AX20SISO	Ant1	5785	19.08	5775.44	5794.52	0.5	PASS
11AX20SISO	Ant1	5825	19.16	5815.36	5834.52	0.5	PASS
11AX40SISO	Ant1	5755	38.16	5735.88	5774.04	0.5	PASS
11AX40SISO	Ant1	5795	38.08	5775.96	5814.04	0.5	PASS

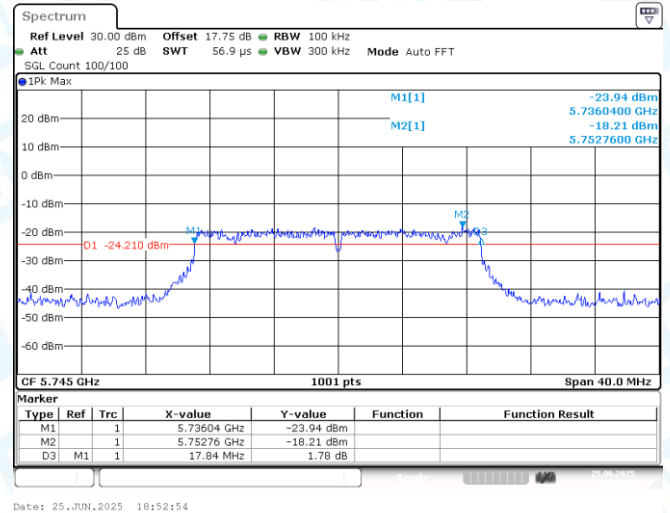
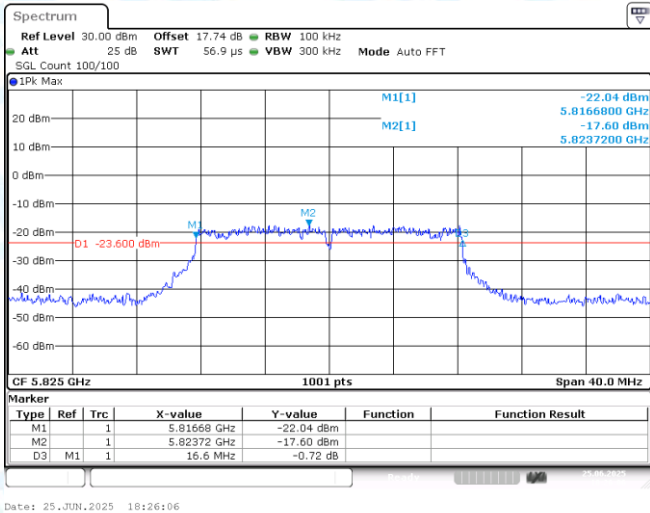
Note: input compensation coefficient (dB)= Cable Loss (dB)+ Attenuator factor

3.2 Test Graphs-B4



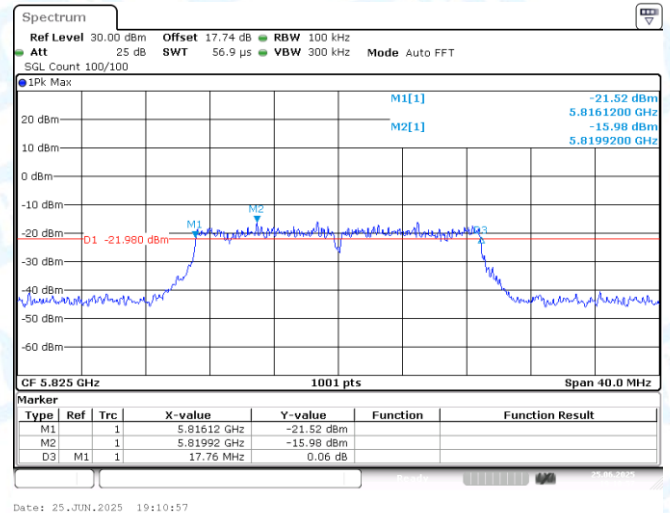
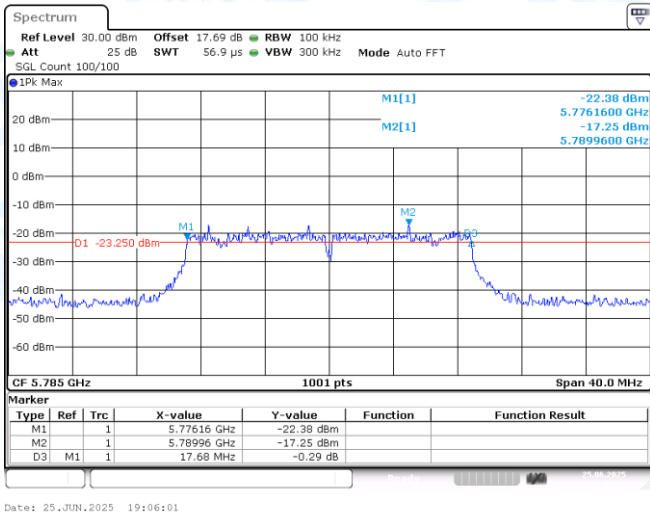
11A-Ant1-5745-PASS

11A-Ant1-5785-PASS



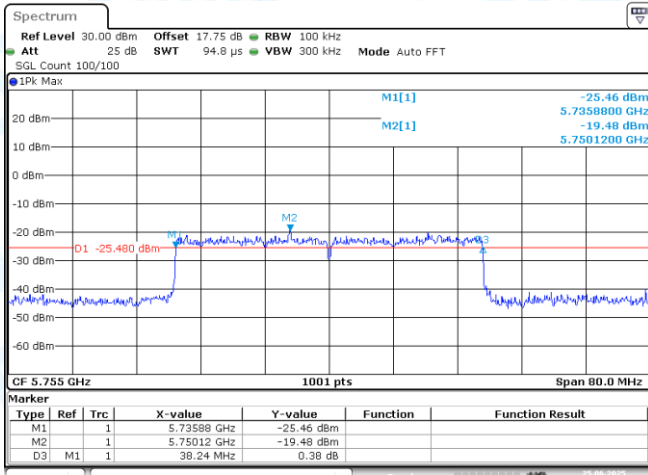
11A-Ant1-5825-PASS

11N20SISO-Ant1-5745-PASS



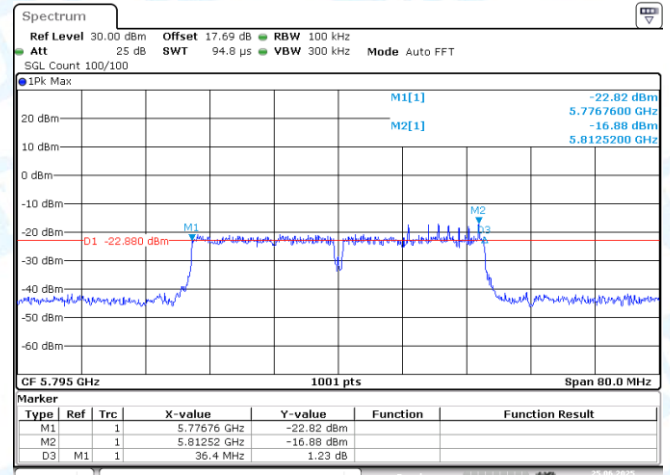
11N20SISO-Ant1-5785-PASS

11N20SISO-Ant1-5825-PASS



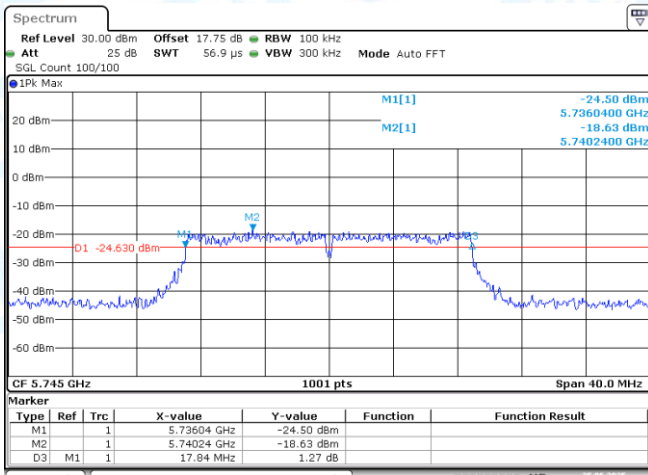
Date: 25.JUN.2025 20:08:10

11N40SISO-Ant1-5755-PASS



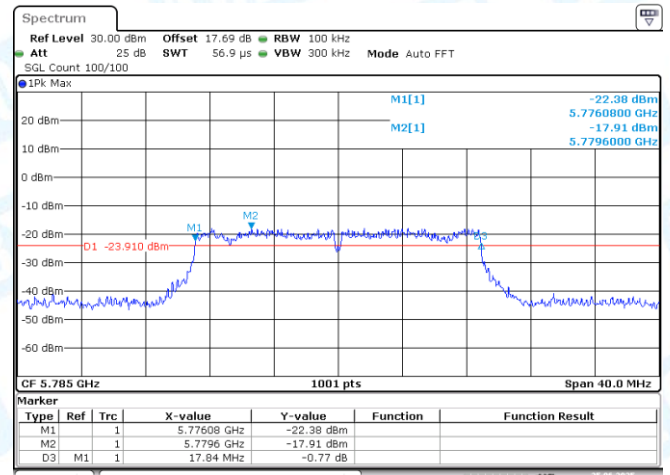
Date: 25.JUN.2025 20:21:53

11N40SISO-Ant1-5795-PASS



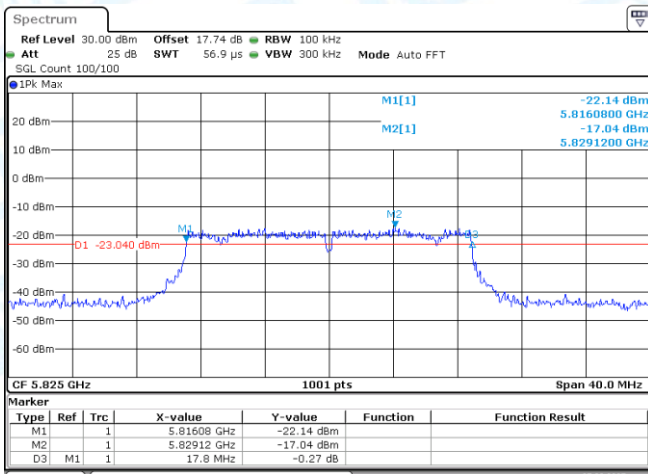
Date: 25.JUN.2025 19:16:51

11N40SISO-Ant1-5745-PASS



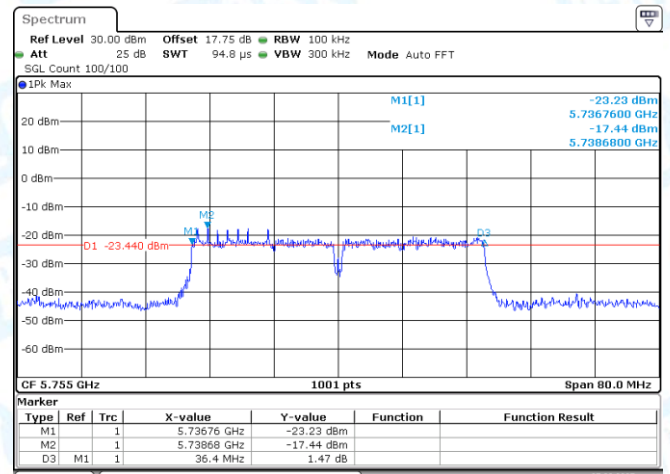
Date: 25.JUN.2025 19:22:42

11N40SISO-Ant1-5785-PASS



Date: 25.JUN.2025 19:28:06

11AC20SISO-Ant1-5825-PASS

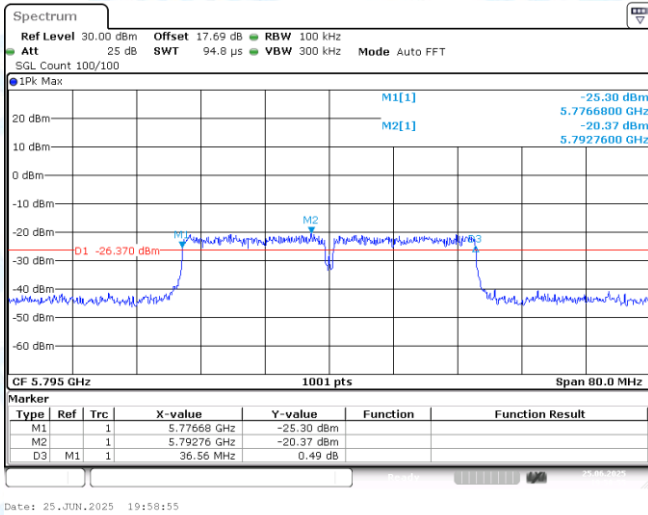


Date: 25.JUN.2025 19:54:07

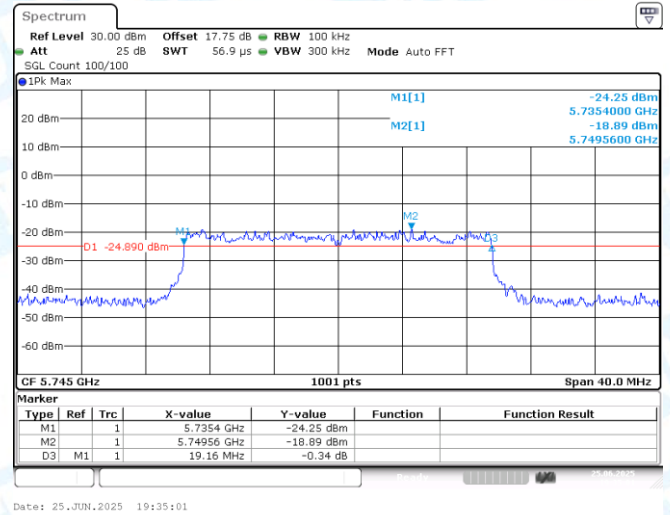
11AC20SISO-Ant1-5785-PASS

11AC20SISO-Ant1-5825-PASS

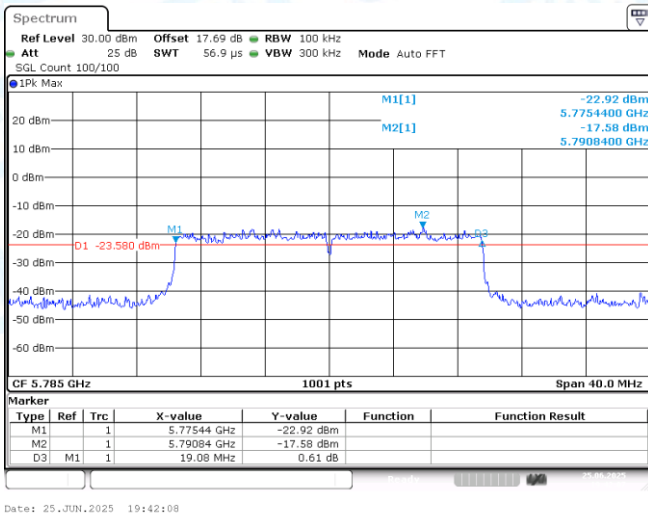
11AC40SISO-Ant1-5755-PASS



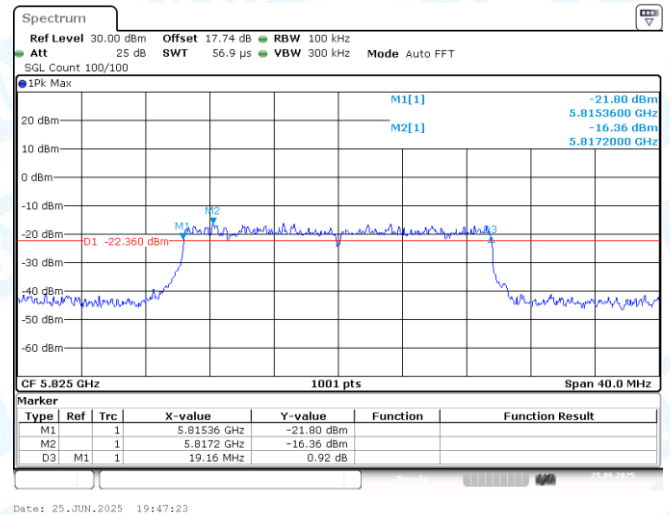
11AC40SISO-Ant1-5795-PASS



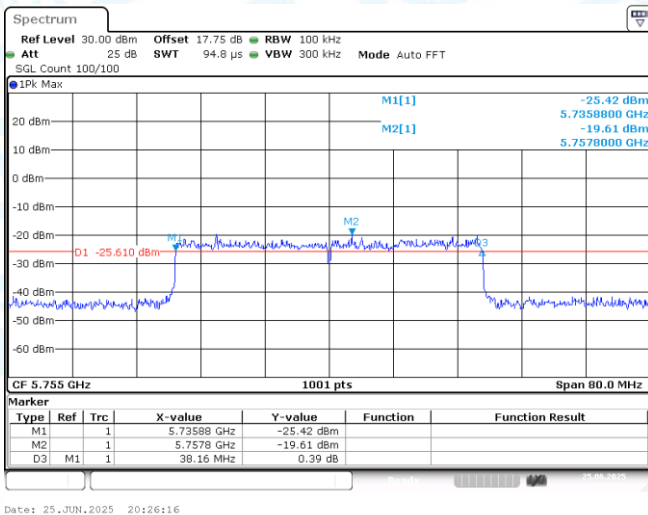
11AX20SISO-Ant1-5745-PASS



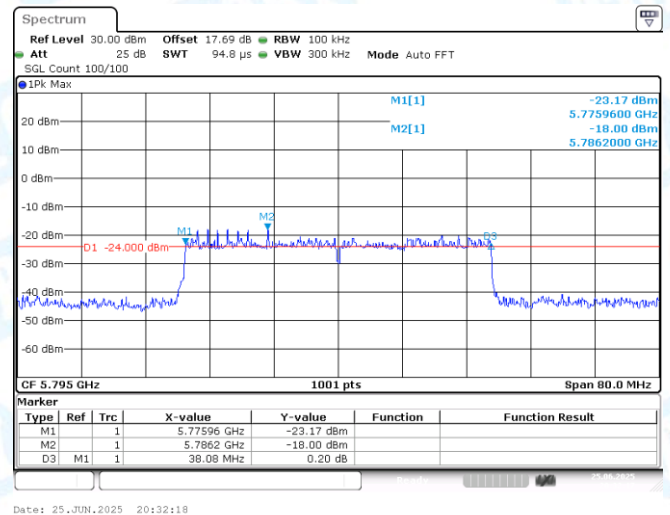
11AC40SISO-Ant1-5795-PASS



11AX20SISO-Ant1-5745-PASS



11AC40SISO-Ant1-5795-PASS



11AX20SISO-Ant1-5795-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	5.46	10.38	52.60	2.79	0.18
11A	Ant1	5745	5.45	10.35	52.66	2.79	0.18
11N20SISO	Ant1	5180	5.34	10.35	51.59	2.87	0.19
11N20SISO	Ant1	5745	5.33	10.35	51.50	2.88	0.19
11N40SISO	Ant1	5190	3.00	6.36	47.17	3.26	0.33
11N40SISO	Ant1	5755	0.93	2.36	39.41	4.04	1.08
11AC20SISO	Ant1	5180	5.37	10.35	51.88	2.85	0.19
11AC20SISO	Ant1	5745	5.34	10.35	51.59	2.87	0.19
11AC40SISO	Ant1	5190	5.16	10.35	49.86	3.02	0.19
11AC40SISO	Ant1	5755	5.16	10.35	49.86	3.02	0.19
11AX20SISO	Ant1	5180	4.62	10.35	44.64	3.50	0.22
11AX20SISO	Ant1	5745	4.62	10.35	44.64	3.50	0.22
11AX40SISO	Ant1	5190	4.62	10.35	44.64	3.50	0.22
11AX40SISO	Ant1	5755	4.62	10.35	44.64	3.50	0.22

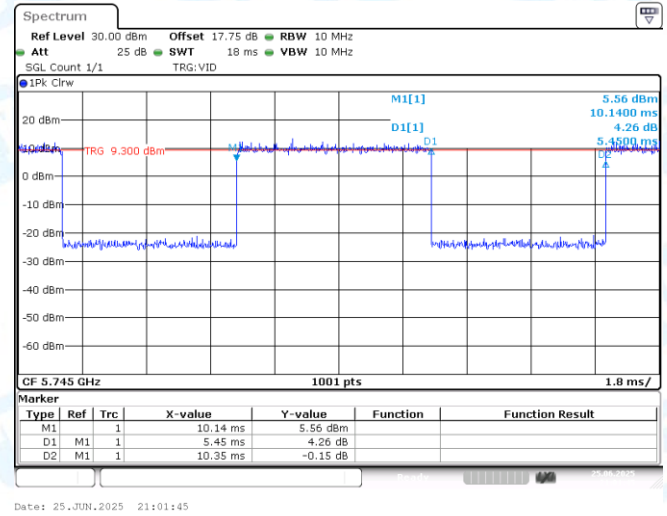
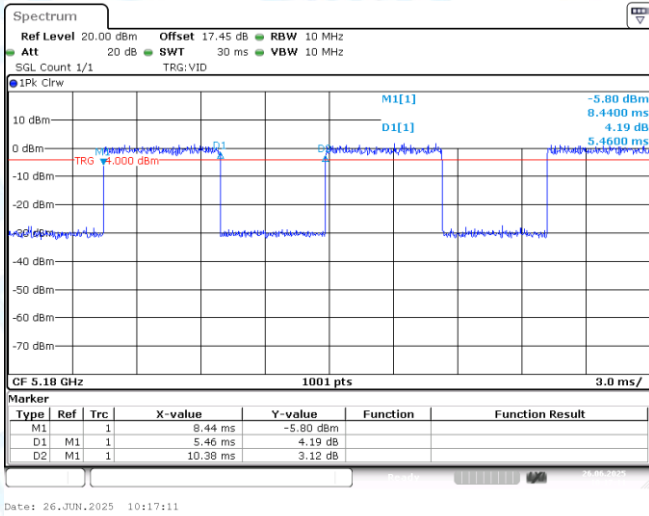
Note: 1, Duty Cycle= Transmission Duration/ Transmission Period

2, DC Factory=10*Log₁₀(1/Duty Cycle)

3, 1/T=1/ Transmission Duration

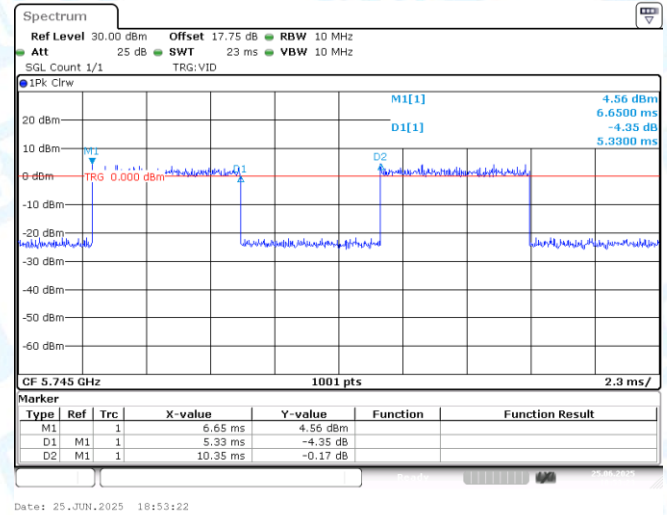
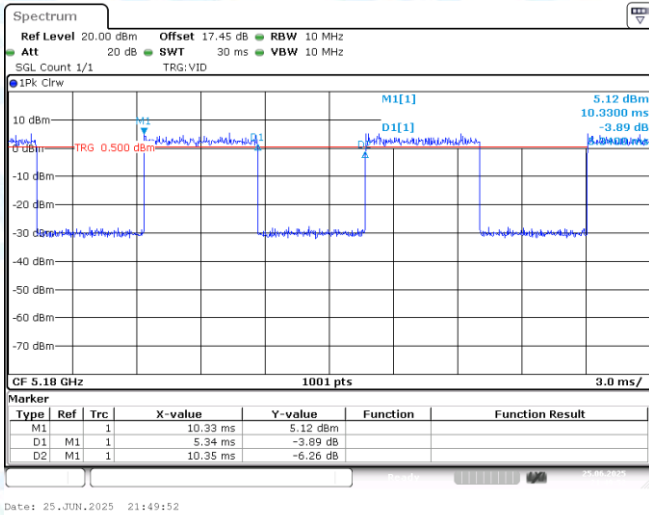
4, input compensation coefficient (dB)= Cable Loss (dB)+ Attenuator factor

4.2 Test Graphs



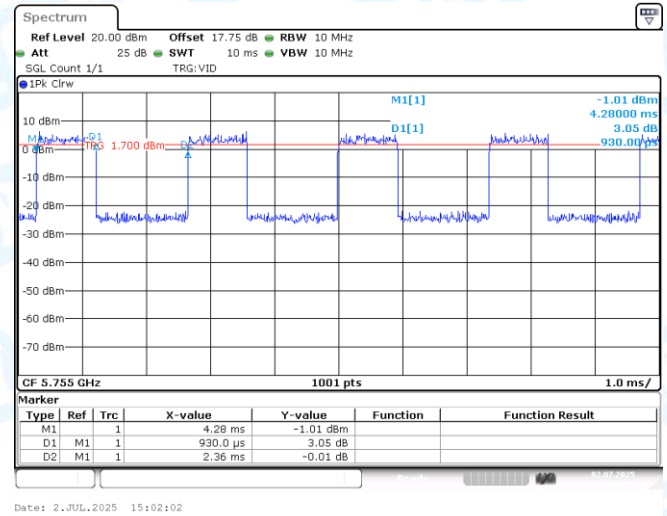
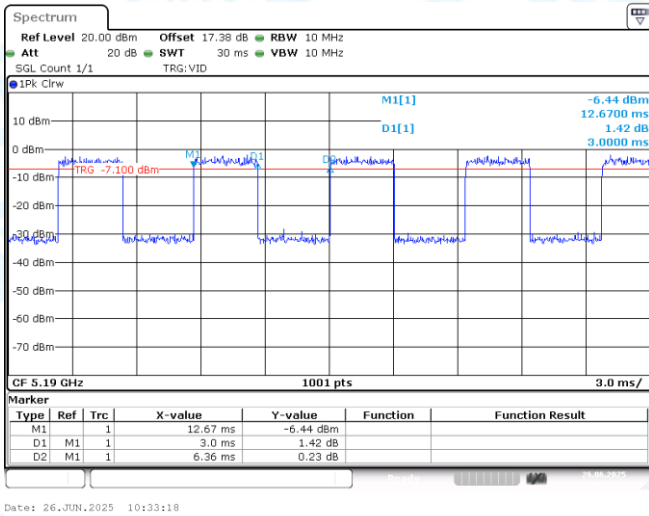
NTNV-11A-Ant1-5180

NTNV-11A-Ant1-5745



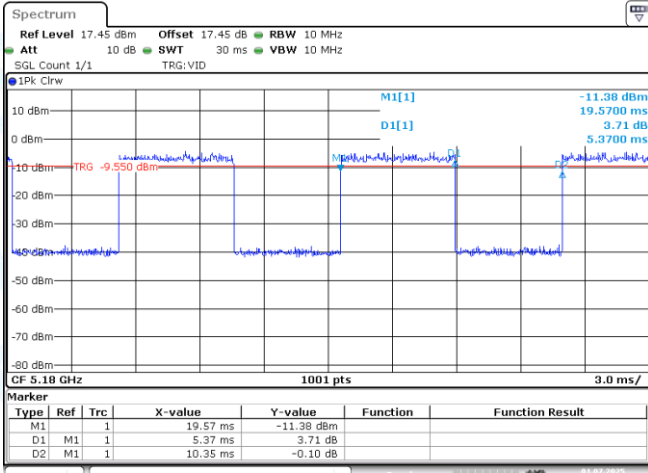
NTNV-11N20SISO-Ant1-5180

NTNV-11N20SISO-Ant1-5745



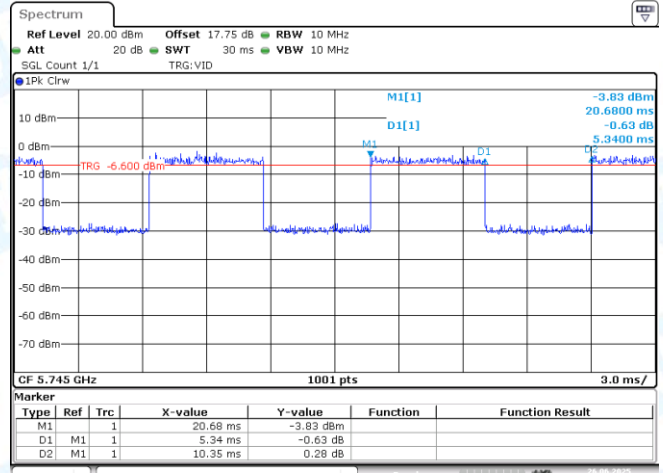
NTNV-11N40SISO-Ant1-5190

NTNV-11N40SISO-Ant1-5755



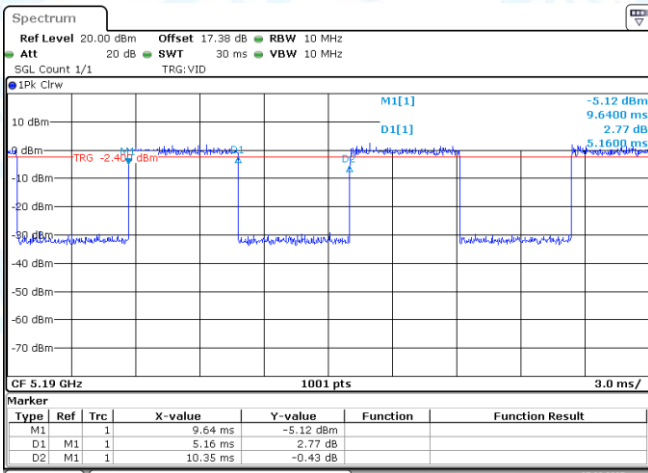
Date: 1.JUL.2025 19:47:33

NTNV-11AC20SISO-Ant1-5180



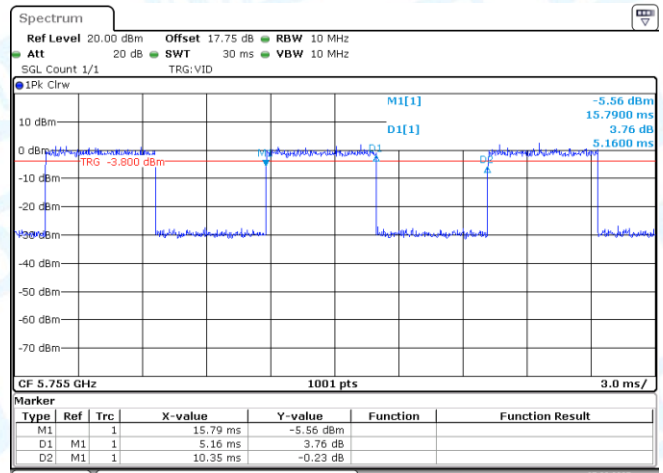
Date: 26.JUN.2025 10:03:10

NTNV-11AC20SISO-Ant1-5745



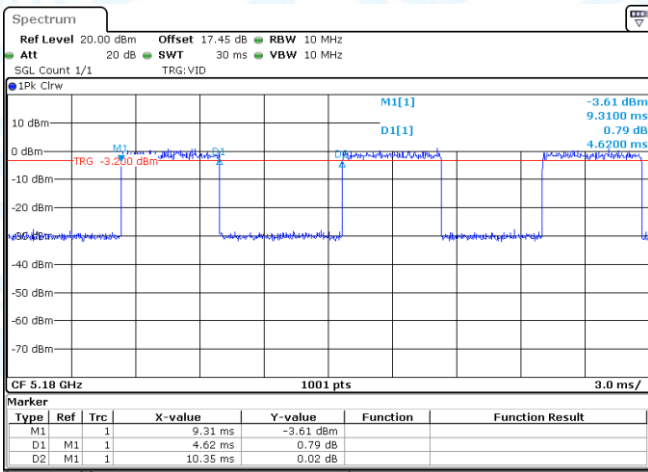
Date: 25.JUN.2025 22:08:33

NTNV-11AC40SISO-Ant1-5190



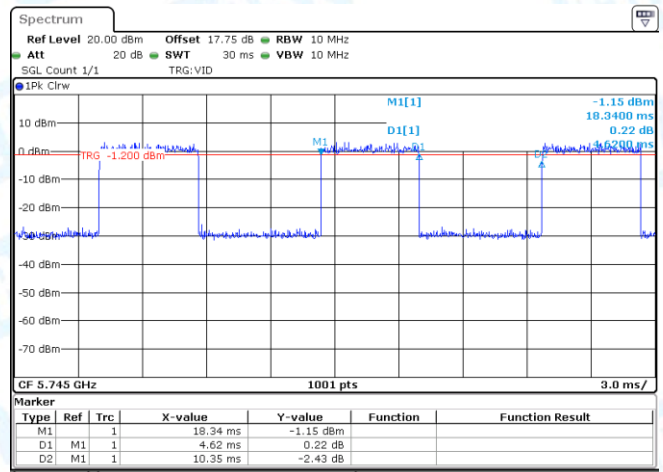
Date: 25.JUN.2025 21:14:47

NTNV-11AC40SISO-Ant1-5755



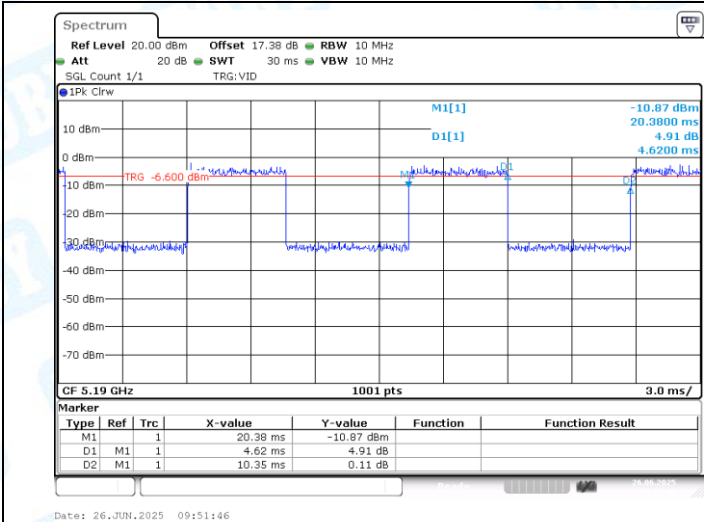
Date: 2.JUL.2025 14:38:05

NTNV-11AX20SISO-Ant1-5180

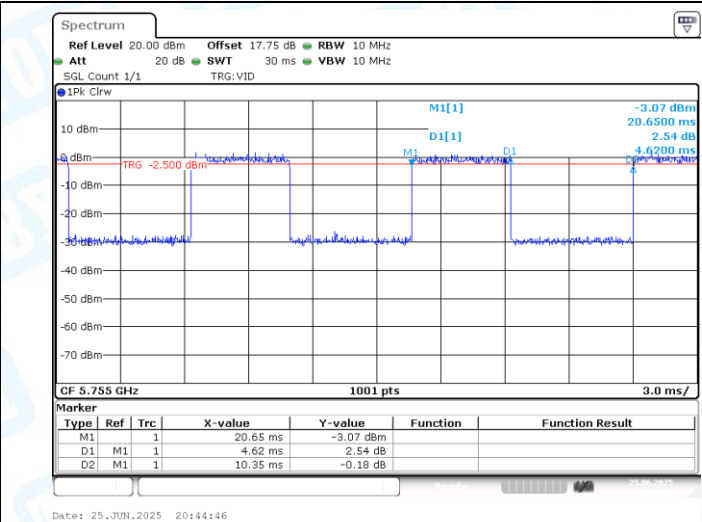


Date: 25.JUN.2025 21:32:07

NTNV-11AX20SISO-Ant1-5745



NTNV-11AX40SISO-Ant1-5190



NTNV-11AX40SISO-Ant1-5755

5: Maximum conducted output power

5.1 Test Result

TestMode	Antenna	Frequency [MHz]	Raw Power [dBm]	DC Factory	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A	Ant1	5180	-9.55	2.79	-6.76	---	2.31	-4.45	≤22.56	PASS
11A	Ant1	5200	-9.55	2.79	-6.76	---	2.31	-4.45	≤22.56	PASS
11A	Ant1	5240	-9.54	2.79	-6.75	---	2.31	-4.44	≤22.56	PASS
11A	Ant1	5745	-8.40	2.79	-5.61	≤30.00	2.31	---	---	PASS
11A	Ant1	5785	-11.37	2.79	-8.58	≤30.00	2.31	---	---	PASS
11A	Ant1	5825	-6.89	2.79	-4.10	≤30.00	2.31	---	---	PASS
11N20SISO	Ant1	5180	-13.82	2.87	-10.95	---	2.31	-8.64	≤22.69	PASS
11N20SISO	Ant1	5200	-22.40	2.87	-19.53	---	2.31	-17.22	≤22.69	PASS
11N20SISO	Ant1	5240	-25.41	2.87	-22.54	---	2.31	-20.23	≤22.69	PASS
11N20SISO	Ant1	5745	-7.64	2.88	-4.76	≤30.00	2.31	---	---	PASS
11N20SISO	Ant1	5785	-8.43	2.88	-5.55	≤30.00	2.31	---	---	PASS
11N20SISO	Ant1	5825	-6.90	2.88	-4.02	≤30.00	2.31	---	---	PASS
11N40SISO	Ant1	5190	-10.21	3.26	-6.95	---	2.31	-4.64	≤23.00	PASS
11N40SISO	Ant1	5230	-10.14	3.26	-6.88	---	2.31	-4.57	≤23.00	PASS
11N40SISO	Ant1	5755	-7.84	0.00	-7.84	≤30.00	2.31	---	---	PASS
11N40SISO	Ant1	5795	-7.05	0.00	-7.05	≤30.00	2.31	---	---	PASS
11AC20SISO	Ant1	5180	-15.86	2.85	-13.01	---	2.31	-10.70	≤22.58	PASS
11AC20SISO	Ant1	5200	-21.64	2.85	-18.79	---	2.31	-16.48	≤22.58	PASS
11AC20SISO	Ant1	5240	-25.00	2.85	-22.15	---	2.31	-19.84	≤22.58	PASS
11AC20SISO	Ant1	5745	-14.02	2.87	-11.15	≤30.00	2.31	---	---	PASS
11AC20SISO	Ant1	5785	-8.07	3.50	-4.57	≤30.00	2.31	---	---	PASS
11AC20SISO	Ant1	5825	-6.90	2.87	-4.03	≤30.00	2.31	---	---	PASS
11AC40SISO	Ant1	5190	-6.70	3.02	-3.68	---	2.31	-1.37	≤23.00	PASS
11AC40SISO	Ant1	5230	-7.97	0.00	-7.97	---	2.31	-5.66	≤23.00	PASS
11AC40SISO	Ant1	5755	-7.29	3.02	-4.27	≤30.00	2.31	---	---	PASS
11AC40SISO	Ant1	5795	-7.44	3.02	-4.42	≤30.00	2.31	---	---	PASS
11AX20SISO	Ant1	5180	-9.05	0.00	-9.05	---	2.31	-6.74	≤22.84	PASS
11AX20SISO	Ant1	5200	-7.97	0.00	-7.97	---	2.31	-5.66	≤22.84	PASS
11AX20SISO	Ant1	5240	-7.57	0.00	-7.57	---	2.31	-5.26	≤22.84	PASS
11AX20SISO	Ant1	5745	-8.98	3.50	-5.48	≤30.00	2.31	---	---	PASS
11AX20SISO	Ant1	5785	-8.06	3.50	-4.56	≤30.00	2.31	---	---	PASS
11AX20SISO	Ant1	5825	-6.26	0.00	-6.26	≤30.00	2.31	---	---	PASS
11AX40SISO	Ant1	5190	-12.99	3.50	-9.49	---	2.31	-7.18	≤23.00	PASS
11AX40SISO	Ant1	5230	-7.07	0.00	-7.07	---	2.31	-4.76	≤23.00	PASS
11AX40SISO	Ant1	5755	-7.64	3.50	-4.14	≤30.00	2.31	---	---	PASS
11AX40SISO	Ant1	5795	-7.81	3.50	-4.31	≤30.00	2.31	---	---	PASS

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	Limit[dBm]
11A	Ant1	5200	18.022	22.56
11N20SISO	Ant1	5180	18.581	22.69
11N40SISO	Ant1	5230	37.483	25.74
11AC20SISO	Ant1	5240	18.102	22.58
11AC40SISO	Ant1	5230	37.083	25.69
11AX20SISO	Ant1	5240	19.221	22.84
11AX40SISO	Ant1	5230	38.362	25.84
Note: For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.				