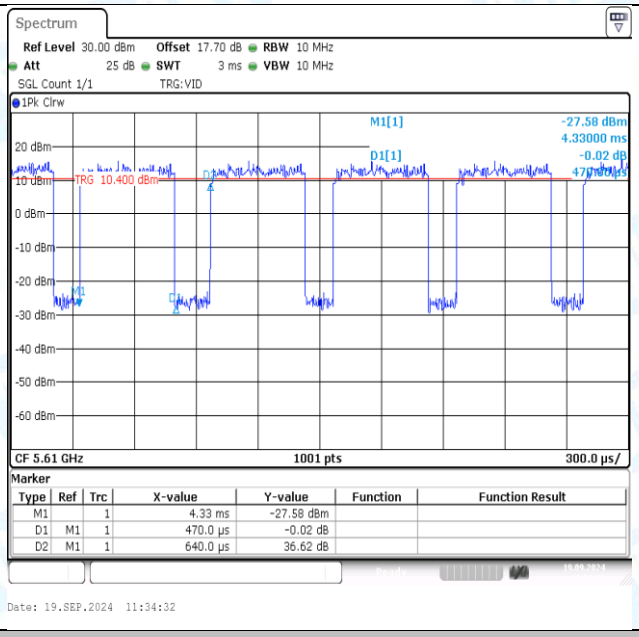
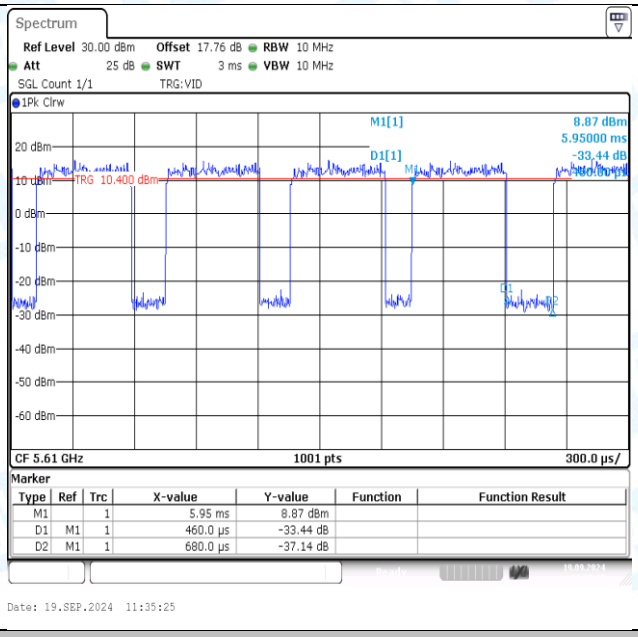
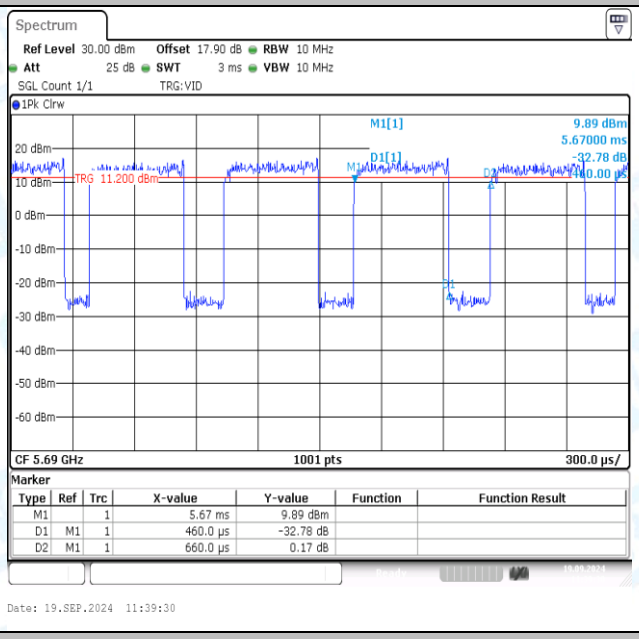


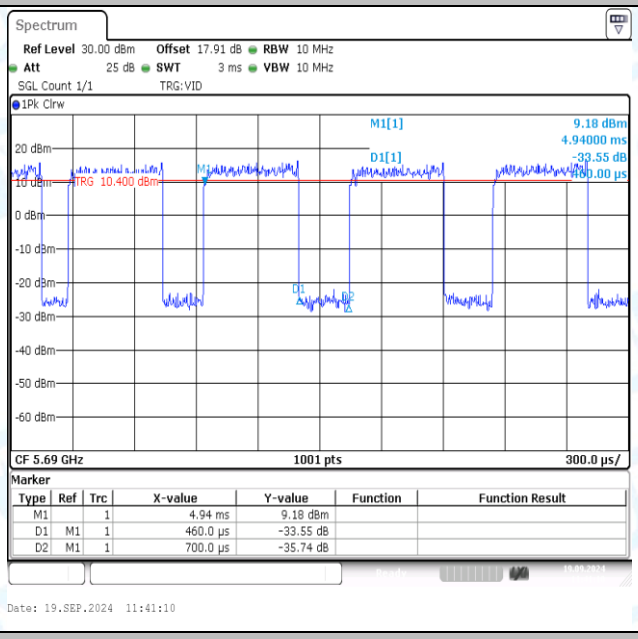
NTNV-11AC80MIMO-Ant1-5610



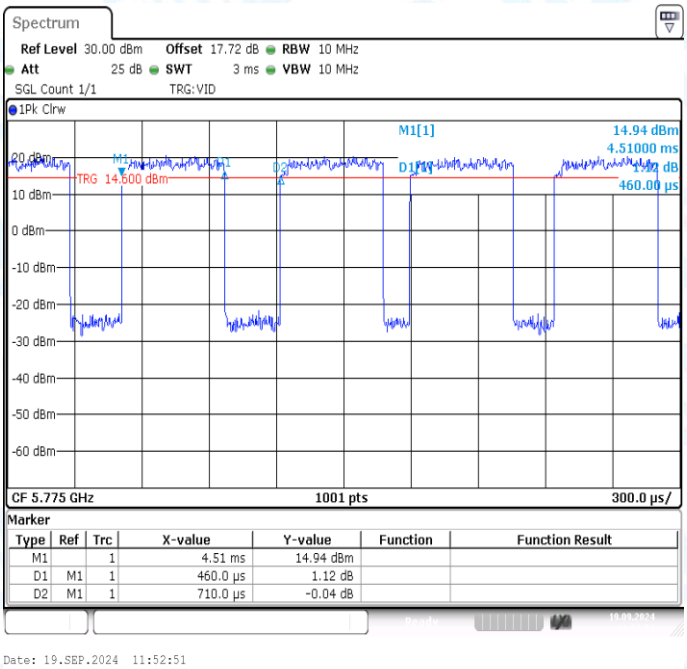
NTNV-11AC80MIMO-Ant2-5610



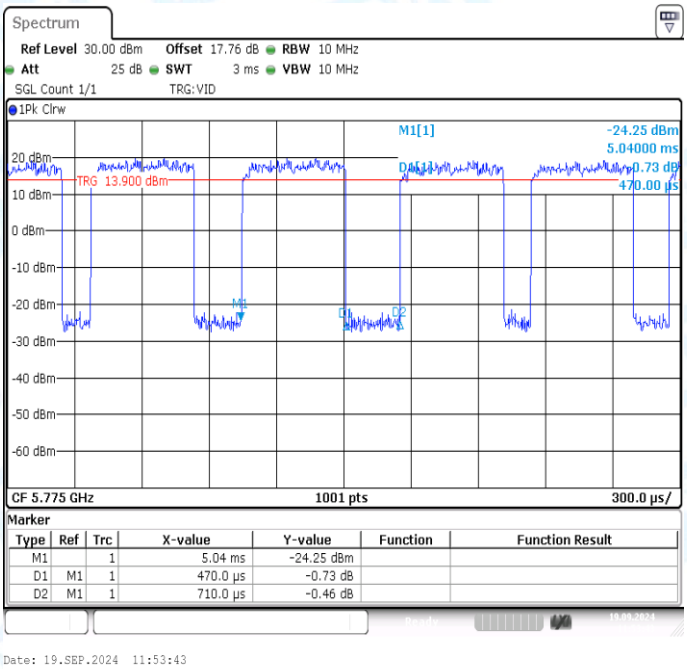
NTNV-11AC80MIMO-Ant1-5690



NTNV-11AC80MIMO-Ant2-5690



NTNV-11AC80MIMO-Ant1-5775



NTNV-11AC80MIMO-Ant2-5775

5: Maximum conducted output power

5.1 Test Result

TestMode	Antenna	Frequency [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	14.90	≤23.98	PASS
11A	Ant2	5180	14.85	≤23.98	PASS
11A	Ant1	5200	14.81	≤23.98	PASS
11A	Ant2	5200	14.73	≤23.98	PASS
11A	Ant1	5240	14.83	≤23.98	PASS
11A	Ant2	5240	14.58	≤23.98	PASS
11A	Ant1	5260	14.65	≤23.98	PASS
11A	Ant2	5260	14.57	≤23.98	PASS
11A	Ant1	5280	14.81	≤23.98	PASS
11A	Ant2	5280	14.75	≤23.98	PASS
11A	Ant1	5320	14.44	≤23.98	PASS
11A	Ant2	5320	14.63	≤23.98	PASS
11A	Ant1	5500	15.42	≤23.98	PASS
11A	Ant2	5500	15.54	≤23.98	PASS
11A	Ant1	5580	15.54	≤23.98	PASS
11A	Ant2	5580	15.41	≤23.98	PASS
11A	Ant1	5720_UNII-2C	14.10	≤22.60	PASS
11A	Ant2	5720_UNII-2C	14.48	≤22.96	PASS
11A	Ant1	5720_UNII-3	7.76	≤30.00	PASS
11A	Ant2	5720_UNII-3	7.95	≤30.00	PASS
11A	Ant1	5745	19.33	≤30.00	PASS
11A	Ant2	5745	19.21	≤30.00	PASS
11A	Ant1	5785	19.03	≤30.00	PASS
11A	Ant2	5785	18.63	≤30.00	PASS
11A	Ant1	5825	18.75	≤30.00	PASS
11A	Ant2	5825	18.68	≤30.00	PASS
11N20MIMO	Ant1	5180	14.54	≤23.98	PASS
11N20MIMO	Ant2	5180	14.04	≤23.98	PASS
11N20MIMO	total	5180	17.31	≤23.98	PASS
11N20MIMO	Ant1	5200	14.38	≤23.98	PASS
11N20MIMO	Ant2	5200	14.51	≤23.98	PASS
11N20MIMO	total	5200	17.46	≤23.98	PASS
11N20MIMO	Ant1	5240	14.49	≤23.98	PASS
11N20MIMO	Ant2	5240	15.26	≤23.98	PASS
11N20MIMO	total	5240	17.90	≤23.98	PASS
11N20MIMO	Ant1	5260	14.90	≤23.98	PASS
11N20MIMO	Ant2	5260	15.20	≤23.98	PASS
11N20MIMO	total	5260	18.06	≤23.98	PASS
11N20MIMO	Ant1	5280	13.93	≤23.98	PASS
11N20MIMO	Ant2	5280	14.18	≤23.98	PASS
11N20MIMO	total	5280	17.07	≤23.98	PASS

11N20MIMO	Ant1	5320	14.55	≤23.98	PASS
11N20MIMO	Ant2	5320	14.23	≤23.98	PASS
11N20MIMO	total	5320	17.40	≤23.98	PASS
11N20MIMO	Ant1	5500	15.14	≤23.98	PASS
11N20MIMO	Ant2	5500	15.11	≤23.98	PASS
11N20MIMO	total	5500	18.14	≤23.98	PASS
11N20MIMO	Ant1	5580	14.84	≤23.98	PASS
11N20MIMO	Ant2	5580	15.27	≤23.98	PASS
11N20MIMO	total	5580	18.07	≤23.98	PASS
11N20MIMO	Ant1	5720_UNII-2C	14.03	≤23.60	PASS
11N20MIMO	Ant2	5720_UNII-2C	14.04	≤22.68	PASS
11N20MIMO	total	5720_UNII-2C	17.05	≤22.68	PASS
11N20MIMO	Ant1	5720_UNII-3	8.35	≤30.00	PASS
11N20MIMO	Ant2	5720_UNII-3	8.19	≤30.00	PASS
11N20MIMO	total	5720_UNII-3	11.28	≤29.81	PASS
11N20MIMO	Ant1	5745	18.16	≤30.00	PASS
11N20MIMO	Ant2	5745	18.28	≤30.00	PASS
11N20MIMO	total	5745	21.23	≤29.81	PASS
11N20MIMO	Ant1	5785	17.91	≤30.00	PASS
11N20MIMO	Ant2	5785	17.96	≤30.00	PASS
11N20MIMO	total	5785	20.95	≤29.81	PASS
11N20MIMO	Ant1	5825	18.21	≤30.00	PASS
11N20MIMO	Ant2	5825	18.22	≤30.00	PASS
11N20MIMO	total	5825	21.23	≤29.81	PASS
11N40MIMO	Ant1	5190	15.72	≤23.98	PASS
11N40MIMO	Ant2	5190	15.37	≤23.98	PASS
11N40MIMO	total	5190	18.56	≤23.98	PASS
11N40MIMO	Ant1	5230	15.36	≤23.98	PASS
11N40MIMO	Ant2	5230	15.58	≤23.98	PASS
11N40MIMO	total	5230	18.48	≤23.98	PASS
11N40MIMO	Ant1	5270	14.90	≤23.98	PASS
11N40MIMO	Ant2	5270	15.05	≤23.98	PASS
11N40MIMO	total	5270	17.99	≤23.98	PASS
11N40MIMO	Ant1	5310	14.31	≤23.98	PASS
11N40MIMO	Ant2	5310	14.22	≤23.98	PASS
11N40MIMO	total	5310	17.28	≤23.98	PASS
11N40MIMO	Ant1	5510	16.35	≤23.98	PASS
11N40MIMO	Ant2	5510	16.15	≤23.98	PASS
11N40MIMO	total	5510	19.26	≤23.98	PASS
11N40MIMO	Ant1	5550	15.57	≤23.98	PASS
11N40MIMO	Ant2	5550	15.99	≤23.98	PASS
11N40MIMO	total	5550	18.80	≤23.98	PASS
11N40MIMO	Ant1	5710_UNII-2C	14.93	≤23.98	PASS
11N40MIMO	Ant2	5710_UNII-2C	14.75	≤23.98	PASS
11N40MIMO	total	5710_UNII-2C	17.85	≤23.98	PASS

11N40MIMO	Ant1	5710_UNII-3	4.02	≤30.00	PASS
11N40MIMO	Ant2	5710_UNII-3	3.72	≤30.00	PASS
11N40MIMO	total	5710_UNII-3	6.88	≤29.81	PASS
11N40MIMO	Ant1	5755	18.68	≤30.00	PASS
11N40MIMO	Ant2	5755	18.95	≤30.00	PASS
11N40MIMO	total	5755	21.83	≤29.81	PASS
11N40MIMO	Ant1	5795	18.42	≤30.00	PASS
11N40MIMO	Ant2	5795	18.33	≤30.00	PASS
11N40MIMO	total	5795	21.39	≤29.81	PASS
11AC20MIMO	Ant1	5180	14.94	≤23.98	PASS
11AC20MIMO	Ant2	5180	14.60	≤23.98	PASS
11AC20MIMO	total	5180	17.78	≤23.98	PASS
11AC20MIMO	Ant1	5200	14.77	≤23.98	PASS
11AC20MIMO	Ant2	5200	14.75	≤23.98	PASS
11AC20MIMO	total	5200	17.77	≤23.98	PASS
11AC20MIMO	Ant1	5240	14.43	≤23.98	PASS
11AC20MIMO	Ant2	5240	15.40	≤23.98	PASS
11AC20MIMO	total	5240	17.95	≤23.98	PASS
11AC20MIMO	Ant1	5260	14.63	≤23.98	PASS
11AC20MIMO	Ant2	5260	14.89	≤23.98	PASS
11AC20MIMO	total	5260	17.77	≤23.98	PASS
11AC20MIMO	Ant1	5280	14.57	≤23.98	PASS
11AC20MIMO	Ant2	5280	14.44	≤23.98	PASS
11AC20MIMO	total	5280	17.52	≤23.98	PASS
11AC20MIMO	Ant1	5320	14.68	≤23.98	PASS
11AC20MIMO	Ant2	5320	14.21	≤23.98	PASS
11AC20MIMO	total	5320	17.46	≤23.98	PASS
11AC20MIMO	Ant1	5500	15.08	≤23.98	PASS
11AC20MIMO	Ant2	5500	14.87	≤23.98	PASS
11AC20MIMO	total	5500	17.99	≤23.98	PASS
11AC20MIMO	Ant1	5580	14.40	≤23.98	PASS
11AC20MIMO	Ant2	5580	15.18	≤23.98	PASS
11AC20MIMO	total	5580	17.82	≤23.98	PASS
11AC20MIMO	Ant1	5720_UNII-2C	14.14	≤22.71	PASS
11AC20MIMO	Ant2	5720_UNII-2C	14.23	≤22.68	PASS
11AC20MIMO	total	5720_UNII-2C	17.20	≤22.68	PASS
11AC20MIMO	Ant1	5720_UNII-3	8.54	≤30.00	PASS
11AC20MIMO	Ant2	5720_UNII-3	8.39	≤30.00	PASS
11AC20MIMO	total	5720_UNII-3	11.48	≤29.81	PASS
11AC20MIMO	Ant1	5745	18.22	≤30.00	PASS
11AC20MIMO	Ant2	5745	18.52	≤30.00	PASS
11AC20MIMO	total	5745	21.38	≤29.81	PASS
11AC20MIMO	Ant1	5785	18.35	≤30.00	PASS
11AC20MIMO	Ant2	5785	18.22	≤30.00	PASS
11AC20MIMO	total	5785	21.30	≤29.81	PASS

11AC20MIMO	Ant1	5825	17.83	≤30.00	PASS
11AC20MIMO	Ant2	5825	17.45	≤30.00	PASS
11AC20MIMO	total	5825	20.65	≤29.81	PASS
11AC40MIMO	Ant1	5190	14.58	≤23.98	PASS
11AC40MIMO	Ant2	5190	14.37	≤23.98	PASS
11AC40MIMO	total	5190	17.49	≤23.98	PASS
11AC40MIMO	Ant1	5230	14.20	≤23.98	PASS
11AC40MIMO	Ant2	5230	14.40	≤23.98	PASS
11AC40MIMO	total	5230	17.31	≤23.98	PASS
11AC40MIMO	Ant1	5270	14.38	≤23.98	PASS
11AC40MIMO	Ant2	5270	14.40	≤23.98	PASS
11AC40MIMO	total	5270	17.40	≤23.98	PASS
11AC40MIMO	Ant1	5310	13.97	≤23.98	PASS
11AC40MIMO	Ant2	5310	14.29	≤23.98	PASS
11AC40MIMO	total	5310	17.14	≤23.98	PASS
11AC40MIMO	Ant1	5510	14.60	≤23.98	PASS
11AC40MIMO	Ant2	5510	14.68	≤23.98	PASS
11AC40MIMO	total	5510	17.65	≤23.98	PASS
11AC40MIMO	Ant1	5550	14.37	≤23.98	PASS
11AC40MIMO	Ant2	5550	14.75	≤23.98	PASS
11AC40MIMO	total	5550	17.57	≤23.98	PASS
11AC40MIMO	Ant1	5710_UNII-2C	14.22	≤23.98	PASS
11AC40MIMO	Ant2	5710_UNII-2C	13.99	≤23.98	PASS
11AC40MIMO	total	5710_UNII-2C	17.12	≤23.98	PASS
11AC40MIMO	Ant1	5710_UNII-3	3.52	≤30.00	PASS
11AC40MIMO	Ant2	5710_UNII-3	2.65	≤30.00	PASS
11AC40MIMO	total	5710_UNII-3	6.12	≤29.81	PASS
11AC40MIMO	Ant1	5755	18.13	≤30.00	PASS
11AC40MIMO	Ant2	5755	17.80	≤30.00	PASS
11AC40MIMO	total	5755	20.98	≤29.81	PASS
11AC40MIMO	Ant1	5795	17.22	≤30.00	PASS
11AC40MIMO	Ant2	5795	18.60	≤30.00	PASS
11AC40MIMO	total	5795	20.97	≤29.81	PASS
11AC80MIMO	Ant1	5210	14.66	≤23.98	PASS
11AC80MIMO	Ant2	5210	14.68	≤23.98	PASS
11AC80MIMO	total	5210	17.68	≤29.81	PASS
11AC80MIMO	Ant1	5290	14.11	≤23.98	PASS
11AC80MIMO	Ant2	5290	14.51	≤23.98	PASS
11AC80MIMO	total	5290	17.32	≤23.98	PASS
11AC80MIMO	Ant1	5530	14.91	≤23.98	PASS
11AC80MIMO	Ant2	5530	15.35	≤23.98	PASS
11AC80MIMO	total	5530	18.15	≤23.98	PASS
11AC80MIMO	Ant1	5610	14.25	≤23.98	PASS
11AC80MIMO	Ant2	5610	14.97	≤23.98	PASS
11AC80MIMO	total	5610	17.64	≤23.98	PASS

11AC80MIMO	Ant1	5690_UNII-2C	9.09	≤23.98	PASS
11AC80MIMO	Ant2	5690_UNII-2C	9.17	≤23.98	PASS
11AC80MIMO	total	5690_UNII-2C	12.14	≤23.98	PASS
11AC80MIMO	Ant1	5690_UNII-3	-3.84	≤30.00	PASS
11AC80MIMO	Ant2	5690_UNII-3	-4.07	≤30.00	PASS
11AC80MIMO	total	5690_UNII-3	-0.94	≤29.81	PASS
11AC80MIMO	Ant1	5775	18.05	≤30.00	PASS
11AC80MIMO	Ant2	5775	17.26	≤30.00	PASS
11AC80MIMO	total	5775	20.68	≤29.81	PASS

Note: 1, This module will use two different Wi-Fi antennas, and only the one with the larger antenna gain(***Antenna1: U-NII-1:2.88dBi; U-NII-2A:2.34dBi; U-NII-2C:3.09dBi; U-NII-3:3.13dBi, Antenna2: U-NII-1:2.72dBi; U-NII-2A:2.44 dBi; U-NII-2C:2.64dBi; U-NII-3:3.23dBi***) will be used for conducted test.

2, For MIMO Mode, Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2]

Directional Gain =5.81dBi＜6dBi. For U-NII-1
Directional Gain =5.40dBi＜6dBi. For U-NII-2A
Directional Gain =5.88dBi＜6dBi. For U-NII-2C
Directional Gain =6.19dBi＞6dBi. For U-NII-3
So Pout = Plimit-(G_{TX}-6)]=(30.00-0.19)dBm=29.81dBm For U-NII-3: 5745MHz-5825MHz

3, The Duty Cycle Factor is compensated in the graph.

6: Maximum power spectral density

6.1 Test Result

Test Mode	Ant.	Frequency [MHz]	Result [dBm/MHz] Result [dBm/500kHz]	Limit[dBm/MHz] Limit[dBm/500kHz]	Verdict
11A	Ant1	5180	4.90	≤11.00	PASS
11A	Ant2	5180	4.34	≤11.00	PASS
11A	Ant1	5200	4.32	≤11.00	PASS
11A	Ant2	5200	4.26	≤11.00	PASS
11A	Ant1	5240	4.62	≤11.00	PASS
11A	Ant2	5240	4.03	≤11.00	PASS
11A	Ant1	5260	3.98	≤11.00	PASS
11A	Ant2	5260	4.02	≤11.00	PASS
11A	Ant1	5280	3.96	≤11.00	PASS
11A	Ant2	5280	3.79	≤11.00	PASS
11A	Ant1	5320	3.95	≤11.00	PASS
11A	Ant2	5320	3.89	≤11.00	PASS
11A	Ant1	5500	4.77	≤11.00	PASS
11A	Ant2	5500	5.12	≤11.00	PASS
11A	Ant1	5580	5.13	≤11.00	PASS
11A	Ant2	5580	4.80	≤11.00	PASS
11A	Ant1	5720_UNII-2C	6.67	≤11.00	PASS
11A	Ant2	5720_UNII-2C	6.92	≤11.00	PASS
11A	Ant1	5720_UNII-3	3.34	≤30.00	PASS
11A	Ant2	5720_UNII-3	3.43	≤30.00	PASS
11A	Ant1	5745	6.21	≤30.00	PASS
11A	Ant2	5745	5.49	≤30.00	PASS
11A	Ant1	5785	5.55	≤30.00	PASS
11A	Ant2	5785	5.13	≤30.00	PASS
11A	Ant1	5825	5.33	≤30.00	PASS
11A	Ant2	5825	5.50	≤30.00	PASS
11N20MIMO	Ant1	5180	3.85	≤11.00	PASS
11N20MIMO	Ant2	5180	3.03	≤11.00	PASS
11N20MIMO	total	5180	6.47	≤11.00	PASS
11N20MIMO	Ant1	5200	4.03	≤11.00	PASS
11N20MIMO	Ant2	5200	3.47	≤11.00	PASS
11N20MIMO	total	5200	6.77	≤11.00	PASS
11N20MIMO	Ant1	5240	3.54	≤11.00	PASS
11N20MIMO	Ant2	5240	4.13	≤11.00	PASS
11N20MIMO	total	5240	6.86	≤11.00	PASS
11N20MIMO	Ant1	5260	4.33	≤11.00	PASS
11N20MIMO	Ant2	5260	4.54	≤11.00	PASS
11N20MIMO	total	5260	7.45	≤11.00	PASS
11N20MIMO	Ant1	5280	3.04	≤11.00	PASS
11N20MIMO	Ant2	5280	2.95	≤11.00	PASS

11N20MIMO	total	5280	6.01	≤11.00	PASS
11N20MIMO	Ant1	5320	3.78	≤11.00	PASS
11N20MIMO	Ant2	5320	3.39	≤11.00	PASS
11N20MIMO	total	5320	6.60	≤11.00	PASS
11N20MIMO	Ant1	5500	4.43	≤11.00	PASS
11N20MIMO	Ant2	5500	4.42	≤11.00	PASS
11N20MIMO	total	5500	7.44	≤11.00	PASS
11N20MIMO	Ant1	5580	4.81	≤11.00	PASS
11N20MIMO	Ant2	5580	4.87	≤11.00	PASS
11N20MIMO	total	5580	7.85	≤11.00	PASS
11N20MIMO	Ant1	5720_UNII-2C	6.50	≤11.00	PASS
11N20MIMO	Ant2	5720_UNII-2C	6.43	≤11.00	PASS
11N20MIMO	total	5720_UNII-2C	9.48	≤11.00	PASS
11N20MIMO	Ant1	5720_UNII-3	3.15	≤30.00	PASS
11N20MIMO	Ant2	5720_UNII-3	3.09	≤30.00	PASS
11N20MIMO	total	5720_UNII-3	6.13	≤29.81	PASS
11N20MIMO	Ant1	5745	4.73	≤30.00	PASS
11N20MIMO	Ant2	5745	4.46	≤30.00	PASS
11N20MIMO	total	5745	7.61	≤29.81	PASS
11N20MIMO	Ant1	5785	4.16	≤30.00	PASS
11N20MIMO	Ant2	5785	4.32	≤30.00	PASS
11N20MIMO	total	5785	7.25	≤29.81	PASS
11N20MIMO	Ant1	5825	4.59	≤30.00	PASS
11N20MIMO	Ant2	5825	4.47	≤30.00	PASS
11N20MIMO	total	5825	7.54	≤29.81	PASS
11N40MIMO	Ant1	5190	2.54	≤11.00	PASS
11N40MIMO	Ant2	5190	2.11	≤11.00	PASS
11N40MIMO	total	5190	5.34	≤11.00	PASS
11N40MIMO	Ant1	5230	1.96	≤11.00	PASS
11N40MIMO	Ant2	5230	2.23	≤11.00	PASS
11N40MIMO	total	5230	5.11	≤11.00	PASS
11N40MIMO	Ant1	5270	1.56	≤11.00	PASS
11N40MIMO	Ant2	5270	1.66	≤11.00	PASS
11N40MIMO	total	5270	4.62	≤11.00	PASS
11N40MIMO	Ant1	5310	0.53	≤11.00	PASS
11N40MIMO	Ant2	5310	0.88	≤11.00	PASS
11N40MIMO	total	5310	3.72	≤11.00	PASS
11N40MIMO	Ant1	5510	2.33	≤11.00	PASS
11N40MIMO	Ant2	5510	2.68	≤11.00	PASS
11N40MIMO	total	5510	5.52	≤11.00	PASS
11N40MIMO	Ant1	5550	1.55	≤11.00	PASS
11N40MIMO	Ant2	5550	1.64	≤11.00	PASS
11N40MIMO	total	5550	4.61	≤11.00	PASS
11N40MIMO	Ant1	5710_UNII-2C	5.97	≤11.00	PASS
11N40MIMO	Ant2	5710_UNII-2C	5.93	≤11.00	PASS

11N40MIMO	total	5710_UNII-2C	8.96	≤11.00	PASS
11N40MIMO	Ant1	5710_UNII-3	0.72	≤30.00	PASS
11N40MIMO	Ant2	5710_UNII-3	1.32	≤30.00	PASS
11N40MIMO	total	5710_UNII-3	4.04	≤29.81	PASS
11N40MIMO	Ant1	5755	2.60	≤30.00	PASS
11N40MIMO	Ant2	5755	2.38	≤30.00	PASS
11N40MIMO	total	5755	5.50	≤29.81	PASS
11N40MIMO	Ant1	5795	2.06	≤30.00	PASS
11N40MIMO	Ant2	5795	1.85	≤30.00	PASS
11N40MIMO	total	5795	4.97	≤29.81	PASS
11AC20MIMO	Ant1	5180	4.21	≤11.00	PASS
11AC20MIMO	Ant2	5180	3.78	≤11.00	PASS
11AC20MIMO	total	5180	7.01	≤11.00	PASS
11AC20MIMO	Ant1	5200	4.02	≤11.00	PASS
11AC20MIMO	Ant2	5200	3.96	≤11.00	PASS
11AC20MIMO	total	5200	7.00	≤11.00	PASS
11AC20MIMO	Ant1	5240	3.67	≤11.00	PASS
11AC20MIMO	Ant2	5240	4.44	≤11.00	PASS
11AC20MIMO	total	5240	7.08	≤11.00	PASS
11AC20MIMO	Ant1	5260	3.86	≤11.00	PASS
11AC20MIMO	Ant2	5260	3.75	≤11.00	PASS
11AC20MIMO	total	5260	6.82	≤11.00	PASS
11AC20MIMO	Ant1	5280	2.60	≤11.00	PASS
11AC20MIMO	Ant2	5280	2.60	≤11.00	PASS
11AC20MIMO	total	5280	5.61	≤11.00	PASS
11AC20MIMO	Ant1	5320	3.14	≤11.00	PASS
11AC20MIMO	Ant2	5320	2.59	≤11.00	PASS
11AC20MIMO	total	5320	5.88	≤11.00	PASS
11AC20MIMO	Ant1	5500	3.40	≤11.00	PASS
11AC20MIMO	Ant2	5500	3.38	≤11.00	PASS
11AC20MIMO	total	5500	6.40	≤11.00	PASS
11AC20MIMO	Ant1	5580	3.13	≤11.00	PASS
11AC20MIMO	Ant2	5580	3.91	≤11.00	PASS
11AC20MIMO	total	5580	6.55	≤11.00	PASS
11AC20MIMO	Ant1	5720_UNII-2C	6.92	≤11.00	PASS
11AC20MIMO	Ant2	5720_UNII-2C	7.08	≤11.00	PASS
11AC20MIMO	total	5720_UNII-2C	10.01	≤11.00	PASS
11AC20MIMO	Ant1	5720_UNII-3	3.48	≤30.00	PASS
11AC20MIMO	Ant2	5720_UNII-3	3.71	≤30.00	PASS
11AC20MIMO	total	5720_UNII-3	6.61	≤29.81	PASS
11AC20MIMO	Ant1	5745	4.32	≤30.00	PASS
11AC20MIMO	Ant2	5745	4.04	≤30.00	PASS
11AC20MIMO	total	5745	7.19	≤29.81	PASS
11AC20MIMO	Ant1	5785	4.27	≤30.00	PASS
11AC20MIMO	Ant2	5785	3.94	≤30.00	PASS

11AC20MIMO	total	5785	7.12	≤29.81	PASS
11AC20MIMO	Ant1	5825	3.84	≤30.00	PASS
11AC20MIMO	Ant2	5825	3.43	≤30.00	PASS
11AC20MIMO	total	5825	6.65	≤29.81	PASS
11AC40MIMO	Ant1	5190	1.08	≤11.00	PASS
11AC40MIMO	Ant2	5190	0.73	≤11.00	PASS
11AC40MIMO	total	5190	3.92	≤11.00	PASS
11AC40MIMO	Ant1	5230	0.45	≤11.00	PASS
11AC40MIMO	Ant2	5230	0.24	≤11.00	PASS
11AC40MIMO	total	5230	3.36	≤11.00	PASS
11AC40MIMO	Ant1	5270	0.34	≤11.00	PASS
11AC40MIMO	Ant2	5270	0.22	≤11.00	PASS
11AC40MIMO	total	5270	3.29	≤11.00	PASS
11AC40MIMO	Ant1	5310	0.06	≤11.00	PASS
11AC40MIMO	Ant2	5310	0.22	≤11.00	PASS
11AC40MIMO	total	5310	3.15	≤11.00	PASS
11AC40MIMO	Ant1	5510	0.78	≤11.00	PASS
11AC40MIMO	Ant2	5510	0.89	≤11.00	PASS
11AC40MIMO	total	5510	3.85	≤11.00	PASS
11AC40MIMO	Ant1	5550	0.52	≤11.00	PASS
11AC40MIMO	Ant2	5550	0.77	≤11.00	PASS
11AC40MIMO	total	5550	3.66	≤11.00	PASS
11AC40MIMO	Ant1	5710_UNII-2C	5.65	≤11.00	PASS
11AC40MIMO	Ant2	5710_UNII-2C	5.43	≤11.00	PASS
11AC40MIMO	total	5710_UNII-2C	8.55	≤11.00	PASS
11AC40MIMO	Ant1	5710_UNII-3	0.61	≤30.00	PASS
11AC40MIMO	Ant2	5710_UNII-3	0.51	≤30.00	PASS
11AC40MIMO	total	5710_UNII-3	3.57	≤29.81	PASS
11AC40MIMO	Ant1	5755	1.56	≤30.00	PASS
11AC40MIMO	Ant2	5755	0.99	≤30.00	PASS
11AC40MIMO	total	5755	4.29	≤29.81	PASS
11AC40MIMO	Ant1	5795	0.49	≤30.00	PASS
11AC40MIMO	Ant2	5795	1.64	≤30.00	PASS
11AC40MIMO	total	5795	4.11	≤29.81	PASS
11AC80MIMO	Ant1	5210	-1.94	≤11.00	PASS
11AC80MIMO	Ant2	5210	-1.98	≤11.00	PASS
11AC80MIMO	total	5210	1.05	≤11.00	PASS
11AC80MIMO	Ant1	5290	-2.98	≤11.00	PASS
11AC80MIMO	Ant2	5290	-2.49	≤11.00	PASS
11AC80MIMO	total	5290	0.28	≤11.00	PASS
11AC80MIMO	Ant1	5530	-1.58	≤11.00	PASS
11AC80MIMO	Ant2	5530	-1.37	≤11.00	PASS
11AC80MIMO	total	5530	1.54	≤11.00	PASS
11AC80MIMO	Ant1	5610	-2.03	≤11.00	PASS
11AC80MIMO	Ant2	5610	-1.72	≤11.00	PASS

11AC80MIMO	total	5610	1.14	≤11.00	PASS
11AC80MIMO	Ant1	5690_UNII-2C	-1.33	≤11.00	PASS
11AC80MIMO	Ant2	5690_UNII-2C	-1.57	≤11.00	PASS
11AC80MIMO	total	5690_UNII-2C	1.56	≤11.00	PASS
11AC80MIMO	Ant1	5690_UNII-3	-8.42	≤30.00	PASS
11AC80MIMO	Ant2	5690_UNII-3	-8.77	≤30.00	PASS
11AC80MIMO	total	5690_UNII-3	-5.58	≤29.81	PASS
11AC80MIMO	Ant1	5775	-1.05	≤30.00	PASS
11AC80MIMO	Ant2	5775	-2.14	≤30.00	PASS
11AC80MIMO	total	5775	1.45	≤29.81	PASS

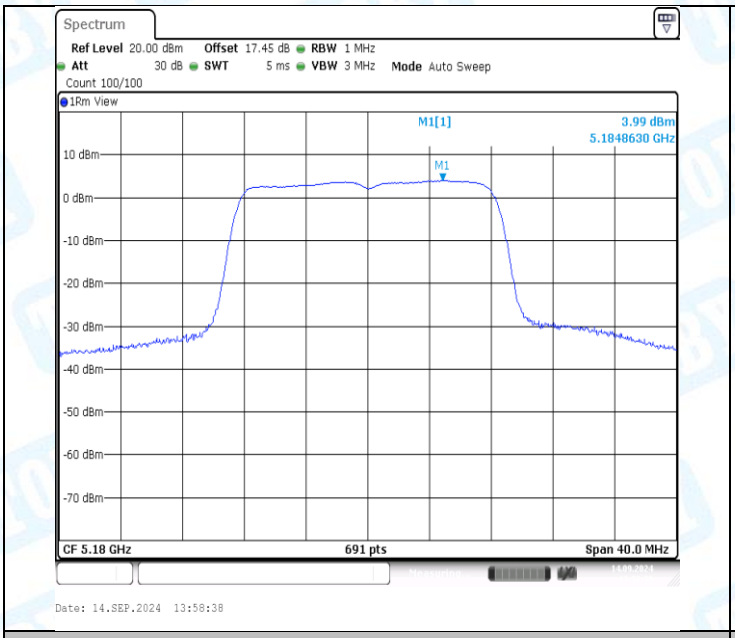
Note: 1, This module will use two different Wi-Fi antennas, and only the one with the larger antenna gain(***Antenna1: U-NII-1:2.88dBi; U-NII-2A:2.34dBi; U-NII-2C:3.09dBi; U-NII-3:3.13dBi, Antenna2: U-NII-1:2.72dBi; U-NII-2A:2.44 dBi; U-NII-2C:2.64dBi; U-NII-3:3.23dBi***) will be used for conducted test.

2, For MIMO Mode, Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2]$

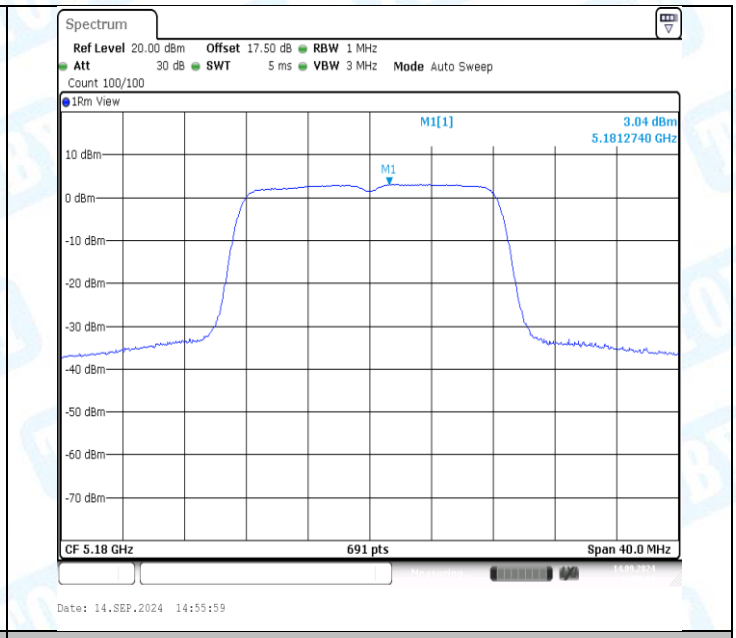
Directional Gain =5.81dBi＜6dBi. For U-NII-1
Directional Gain =5.40dBi＜6dBi. For U-NII-2A
Directional Gain =5.88dBi＜6dBi. For U-NII-2C
Directional Gain =6.19dBi＞6dBi. For U-NII-3

3, So PSDout = PSDlimit-(G_{TX}-6)]=(30-0.19)dBm/500KHz=29.81dBm/500KHz For U-NII-3: 5745MHz-5825MHz, The Duty Cycle Factor is compensated in the graph.

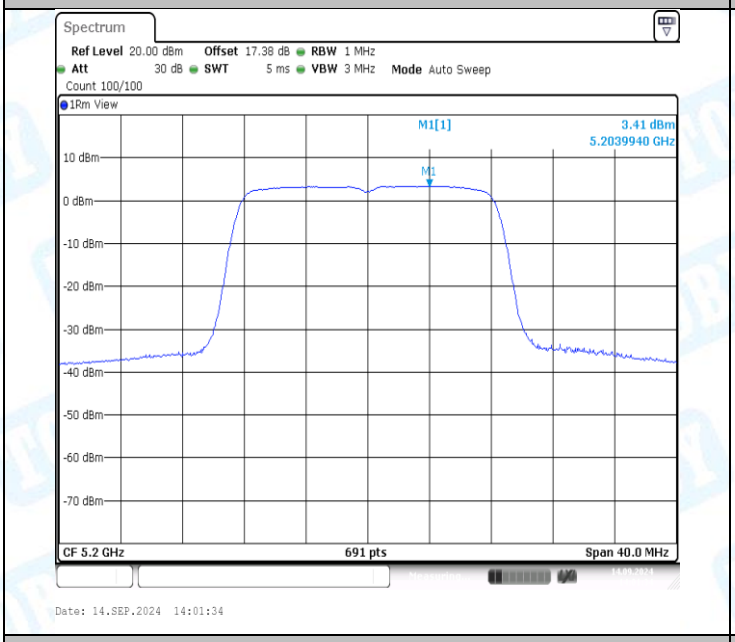
6.2 Test Graphs



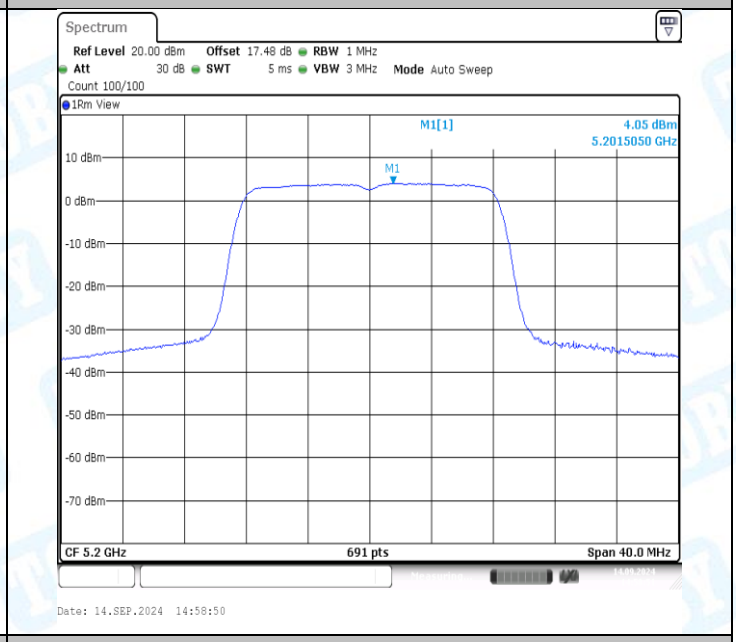
11A-Ant1-5180-PASS



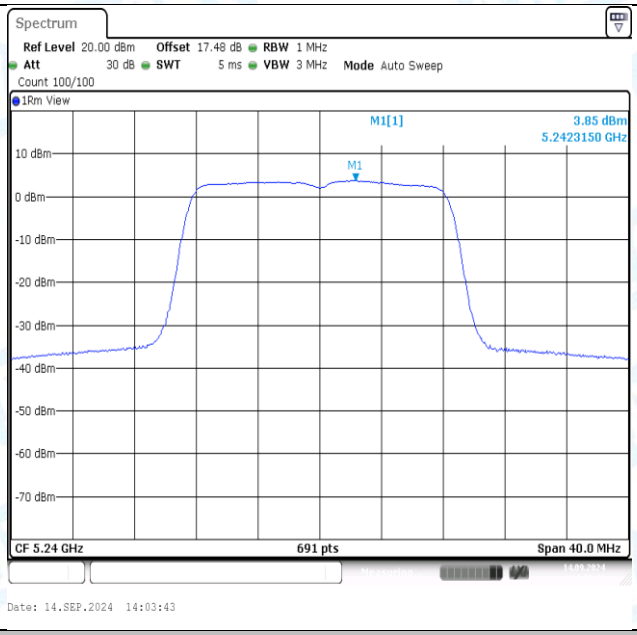
11A-Ant2-5180-PASS



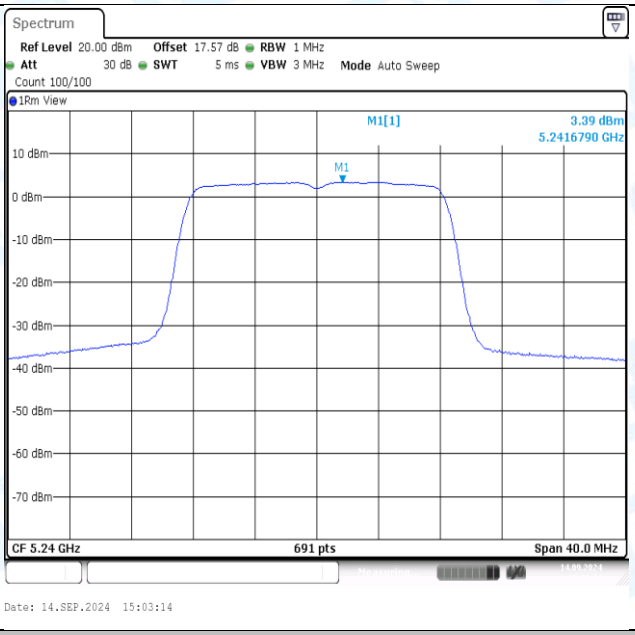
11A-Ant1-5200-PASS



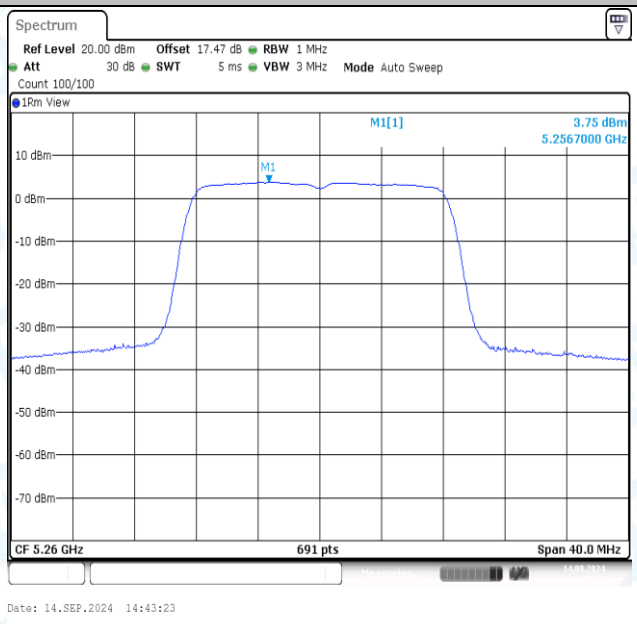
11A-Ant2-5200-PASS



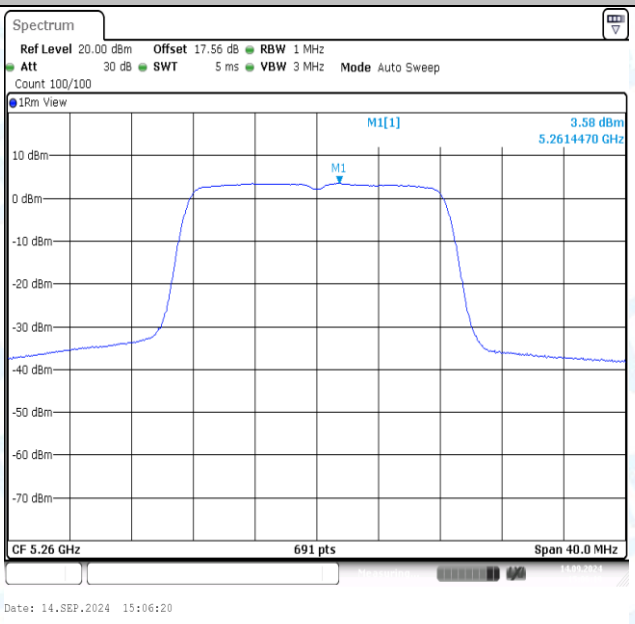
11A-Ant1-5240-PASS



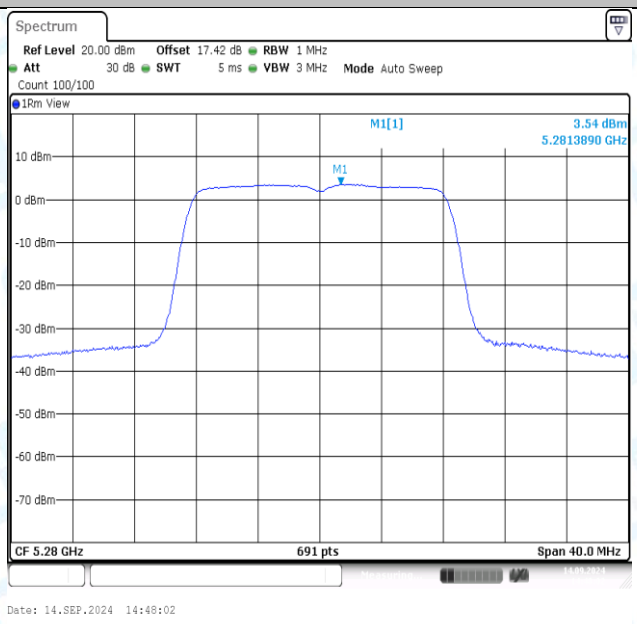
11A-Ant2-5240-PASS

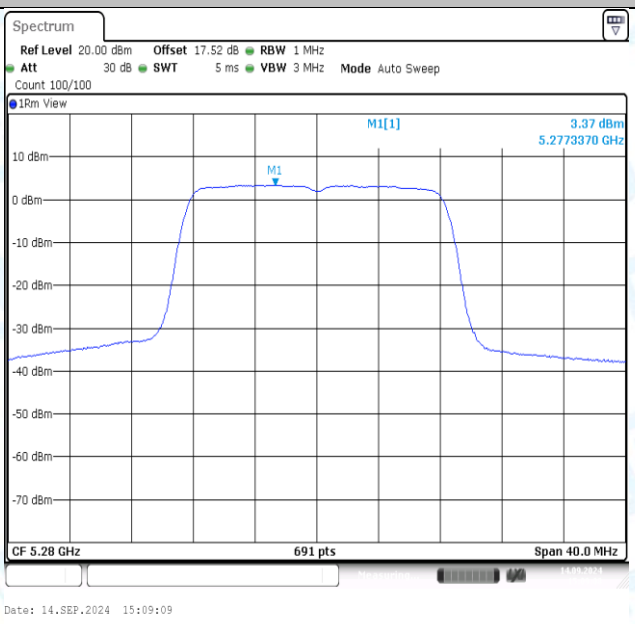


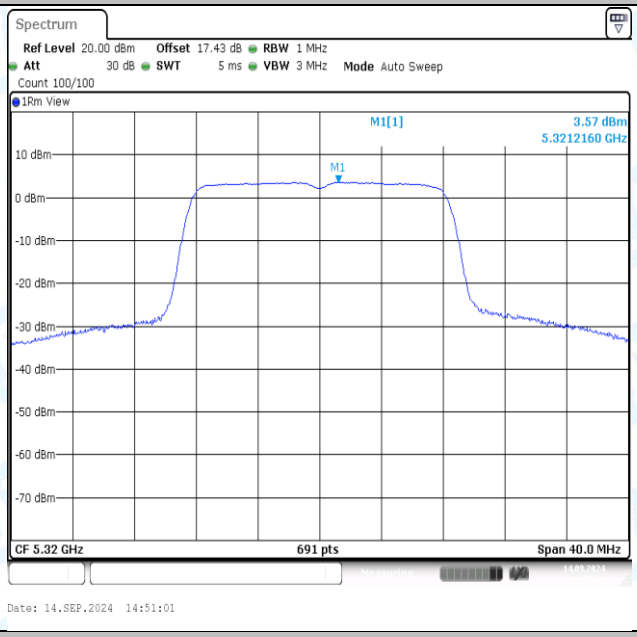
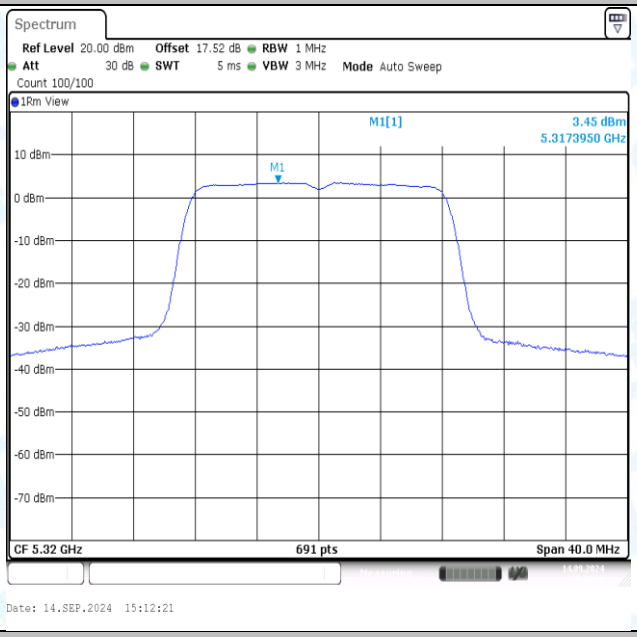
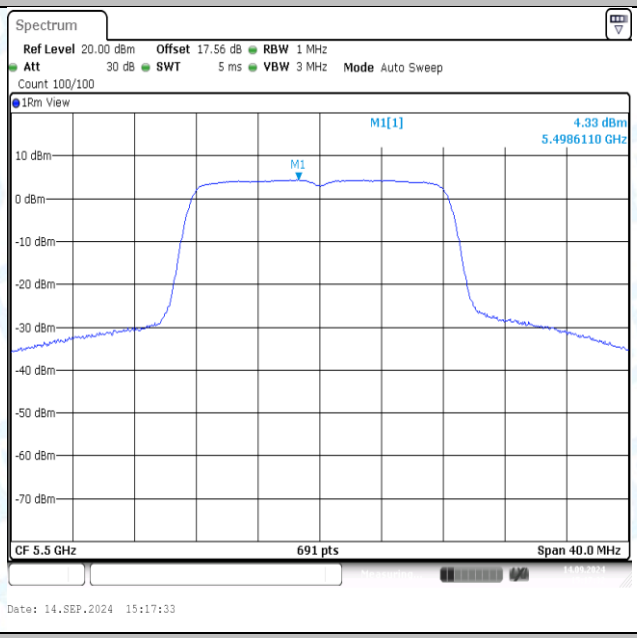
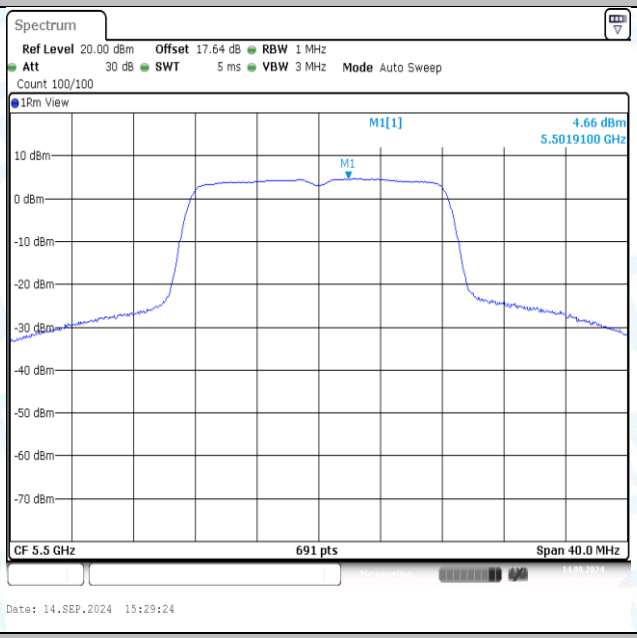
11A-Ant1-5260-PASS

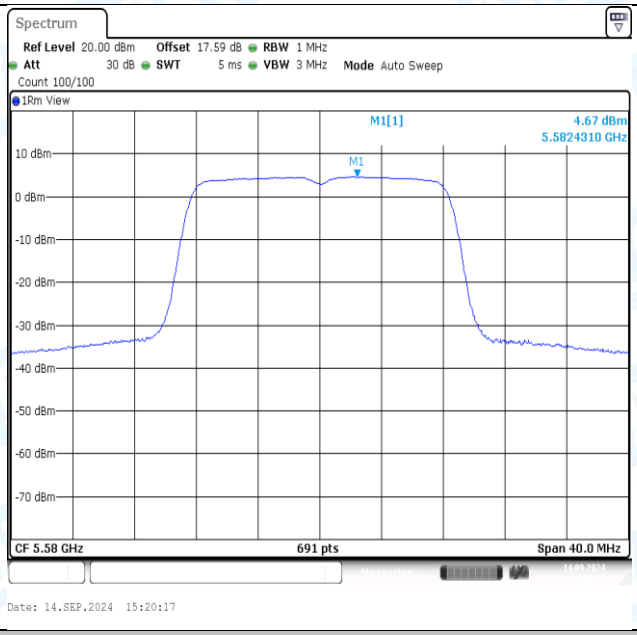


11A-Ant2-5260-PASS

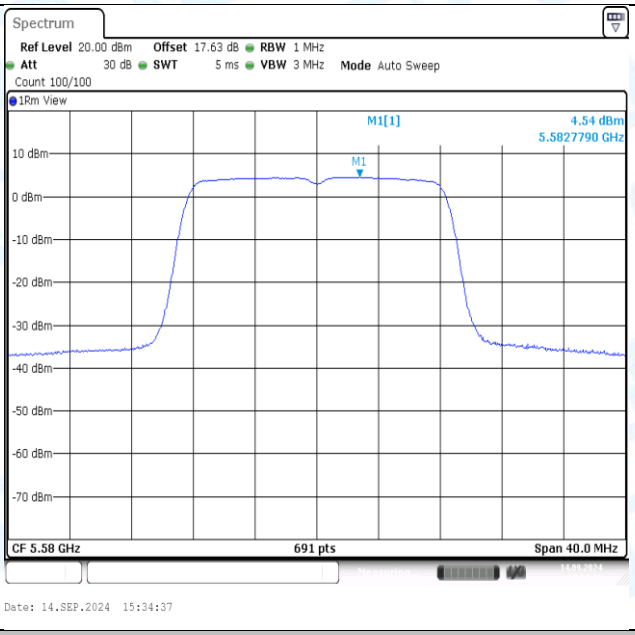




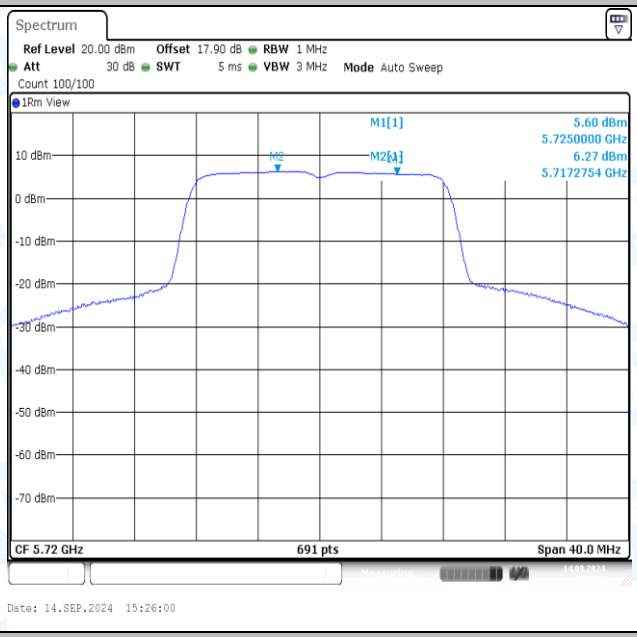
11A-Ant1-5280-PASS	11A-Ant2-5280-PASS
	
11A-Ant1-5320-PASS	11A-Ant2-5320-PASS
	
11A-Ant1-5500-PASS	11A-Ant2-5500-PASS



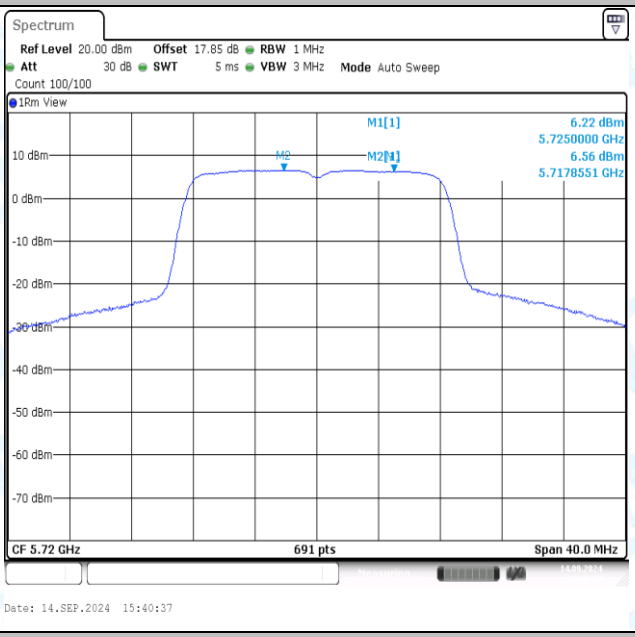
11A-Ant1-5580-PASS



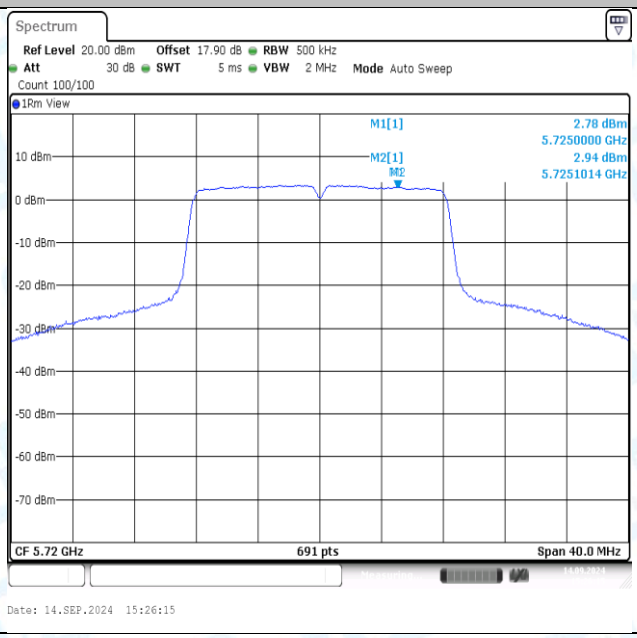
11A-Ant2-5580-PASS

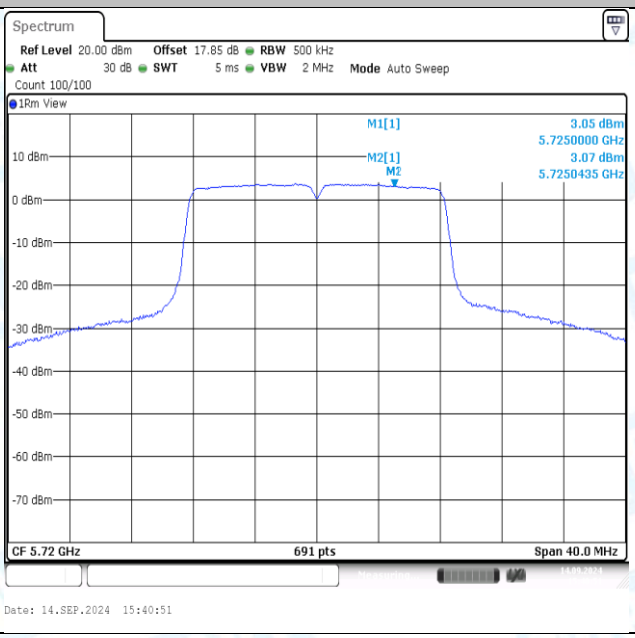


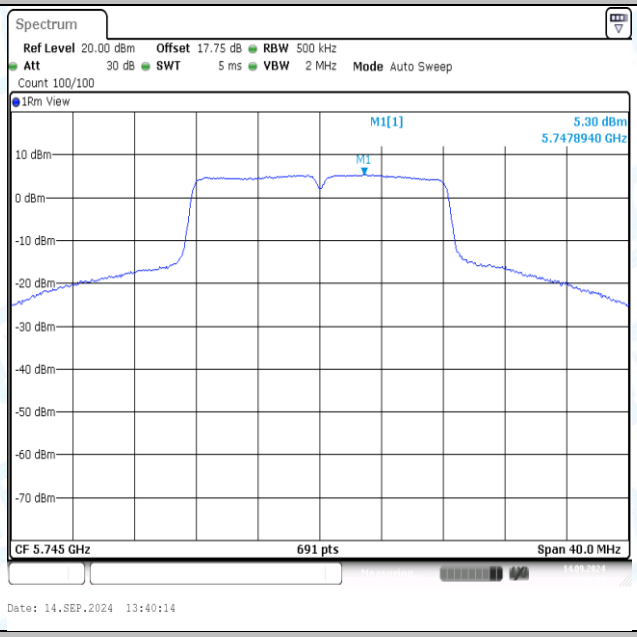
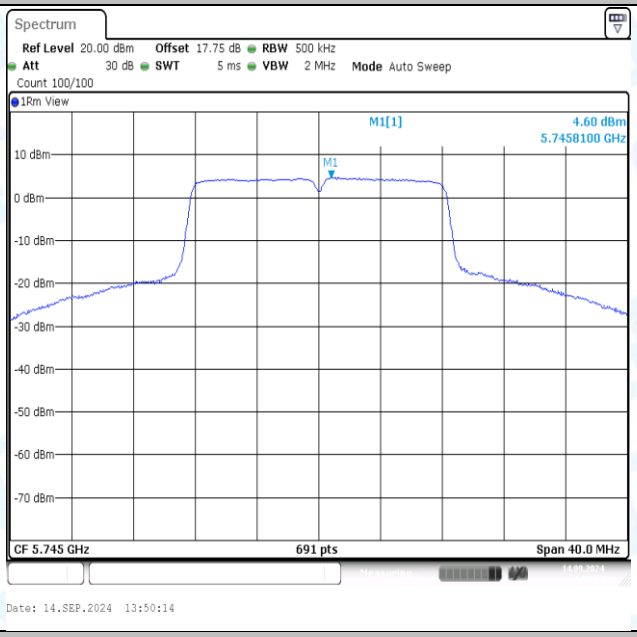
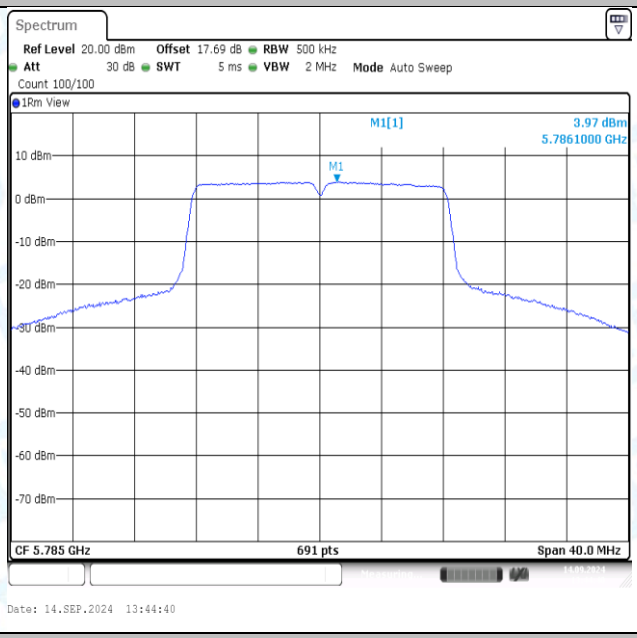
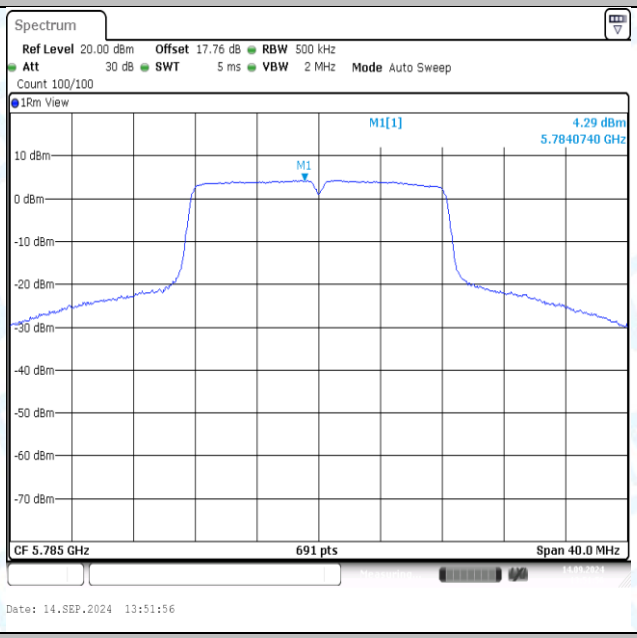
11A-Ant1-5720_UNII-2C-PASS

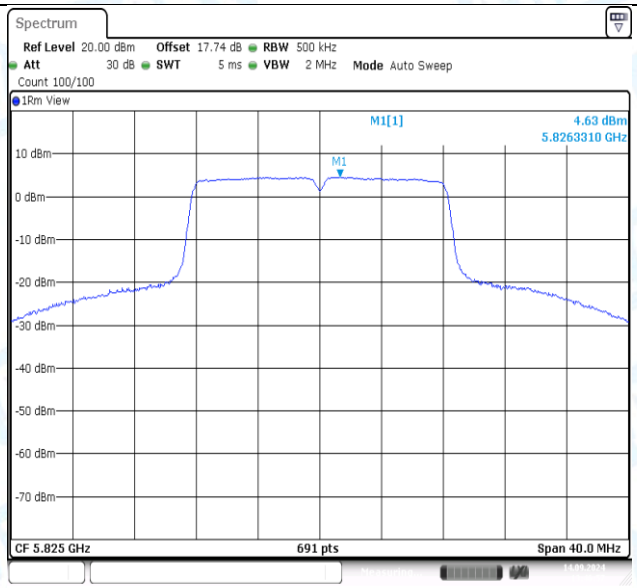


11A-Ant2-5720_UNII-2C-PASS

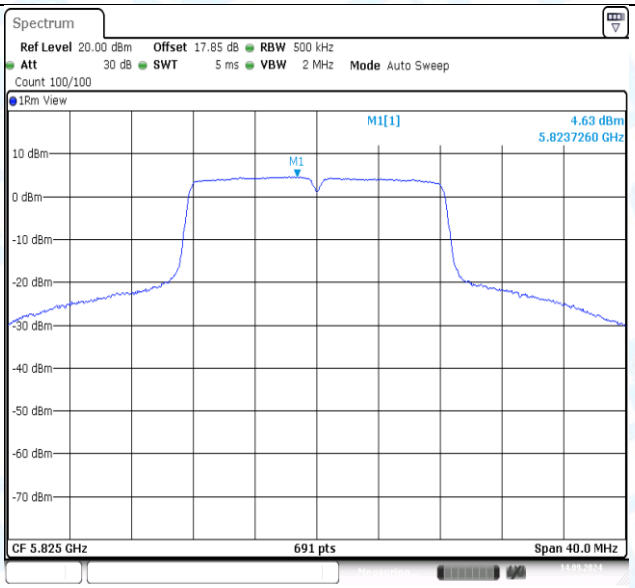




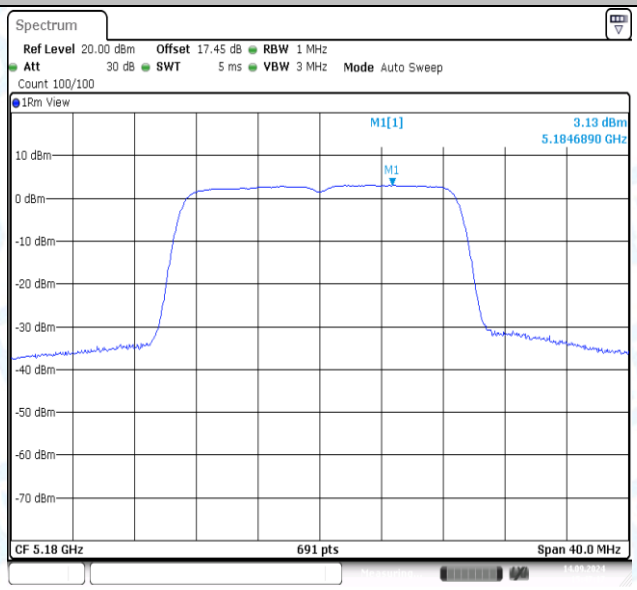
11A-Ant1-5720_UNII-3-PASS	11A-Ant2-5720_UNII-3-PASS
	
11A-Ant1-5745-PASS	11A-Ant2-5745-PASS
	
11A-Ant1-5785-PASS	11A-Ant2-5785-PASS



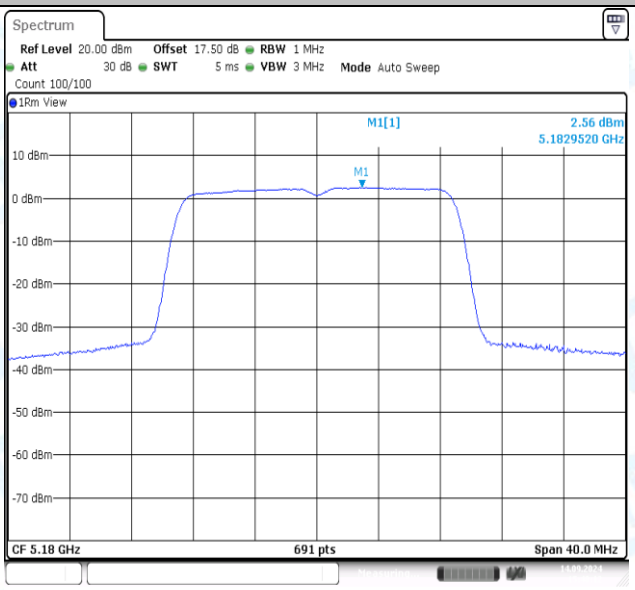
11A-Ant1-5825-PASS



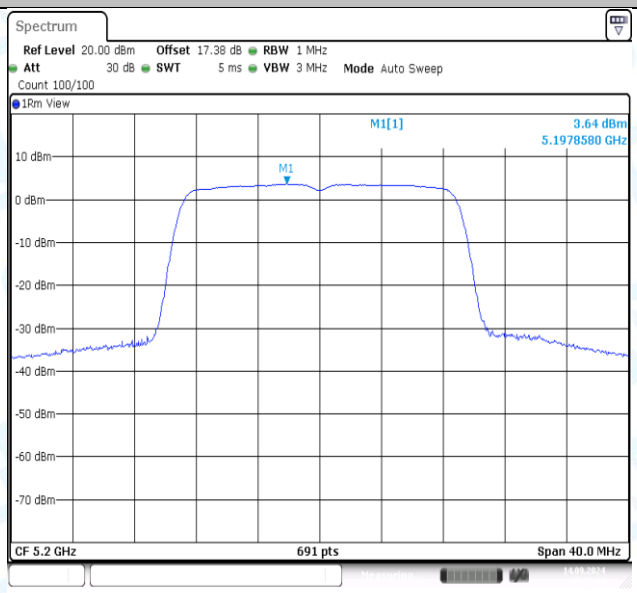
11A-Ant2-5825-PASS

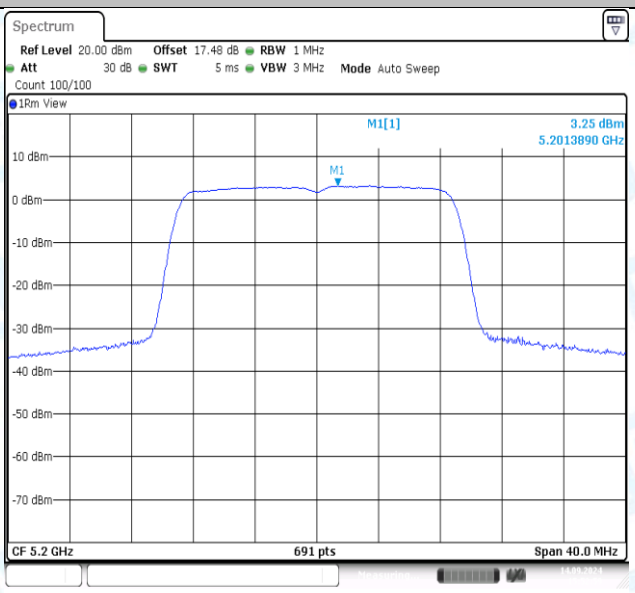


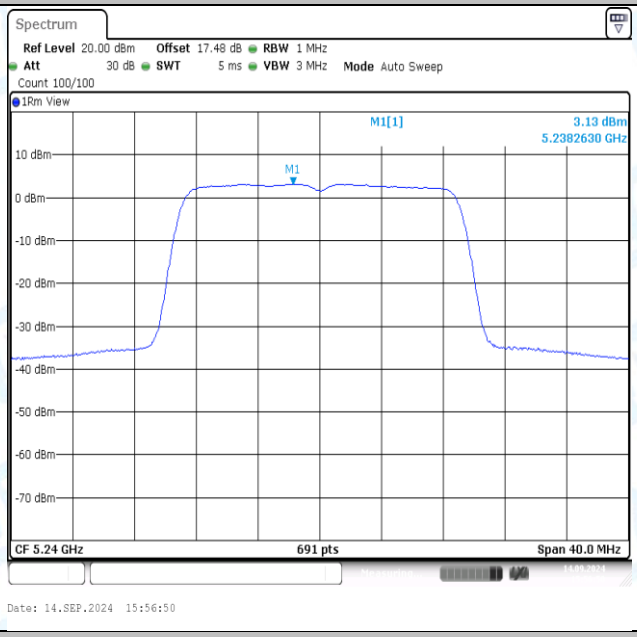
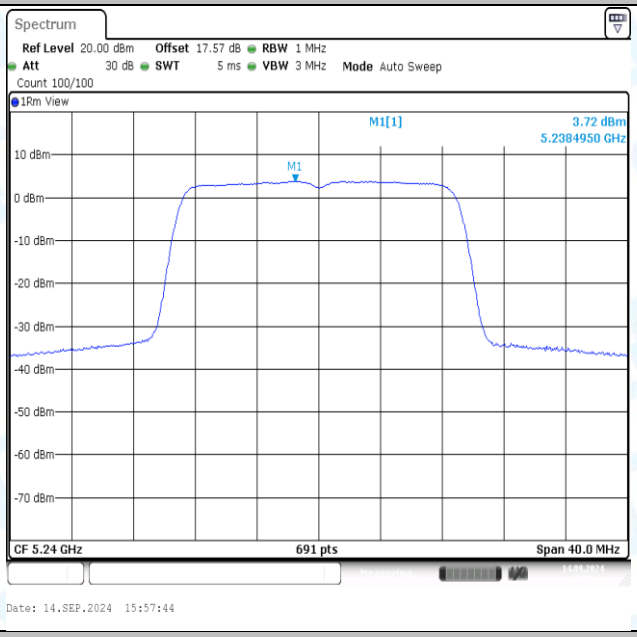
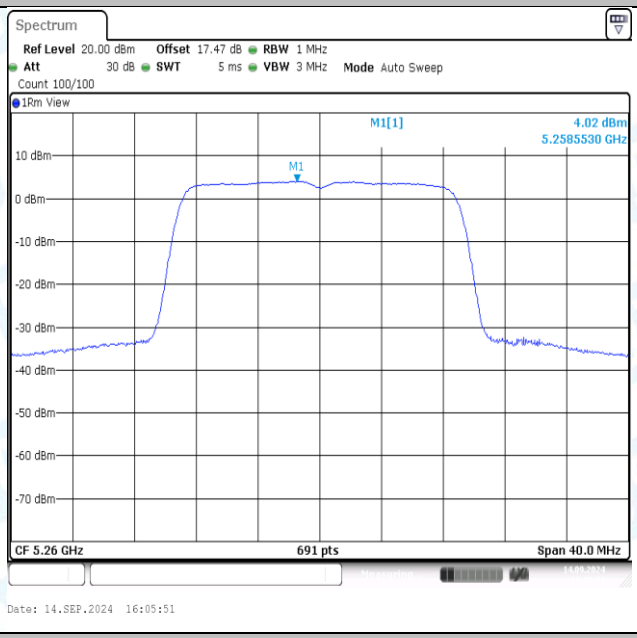
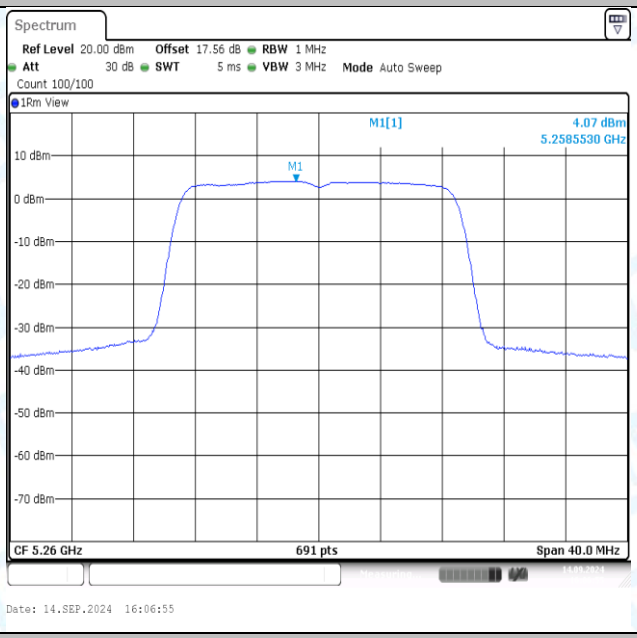
11N20MIMO-Ant1-5180-PASS

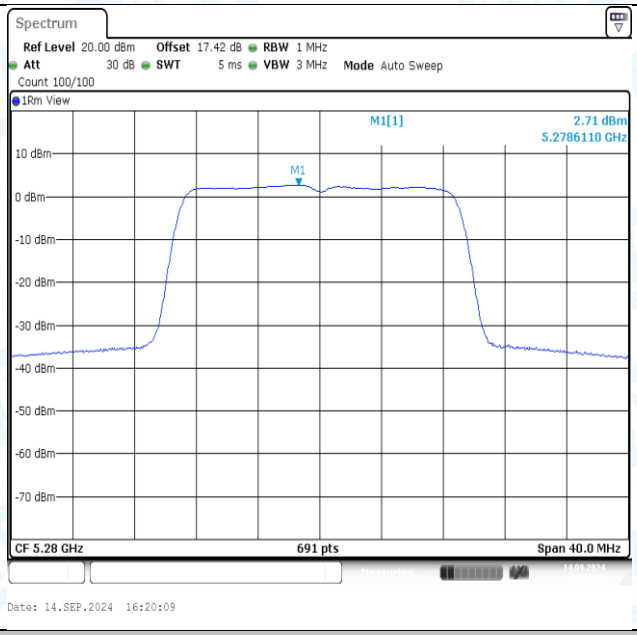


11N20MIMO-Ant2-5180-PASS

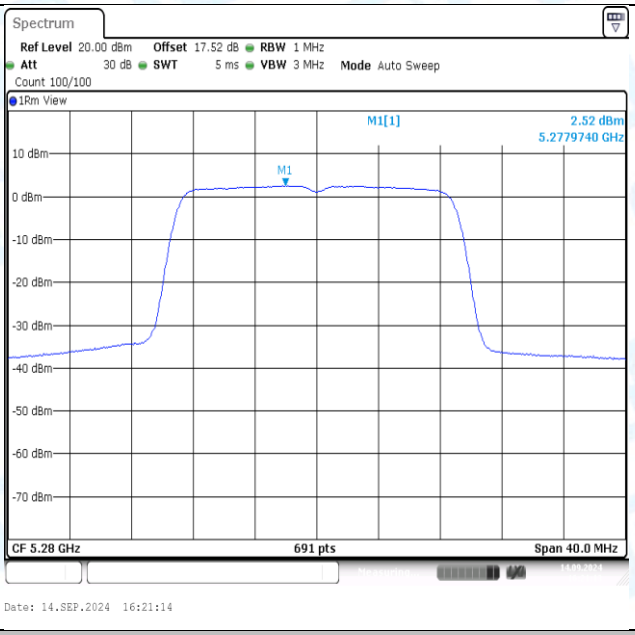




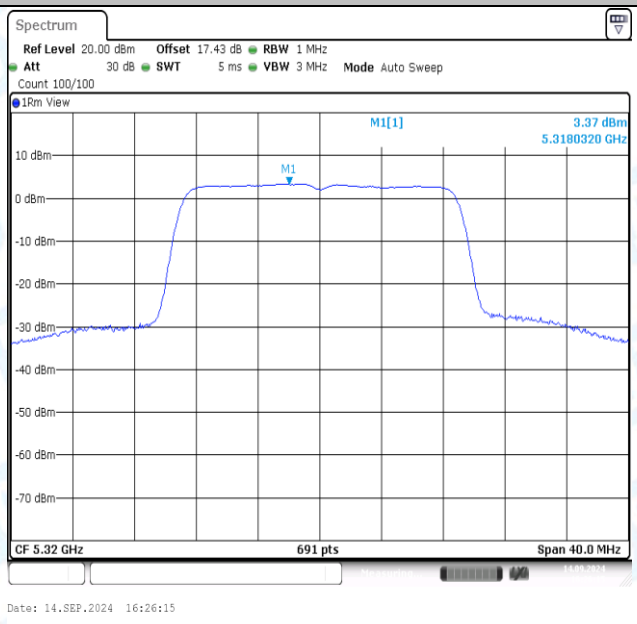
11N20MIMO-Ant1-5200-PASS	11N20MIMO-Ant2-5200-PASS
	
11N20MIMO-Ant1-5240-PASS	11N20MIMO-Ant2-5240-PASS
	
11N20MIMO-Ant1-5260-PASS	11N20MIMO-Ant2-5260-PASS



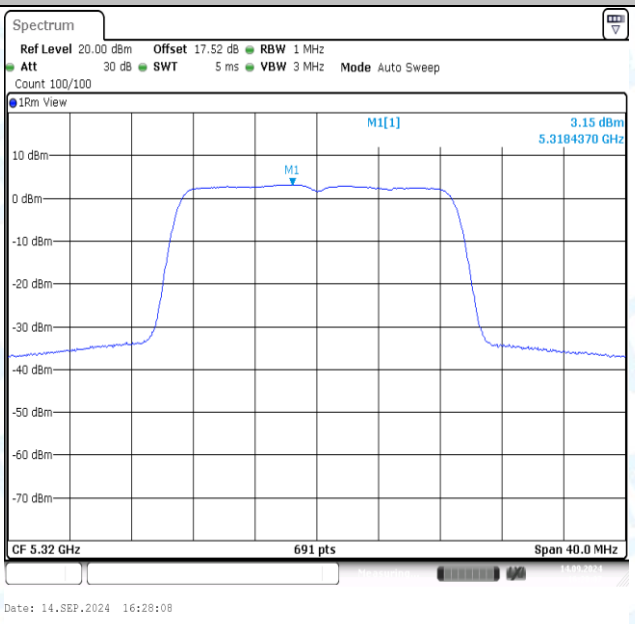
11N20MIMO-Ant1-5280-PASS



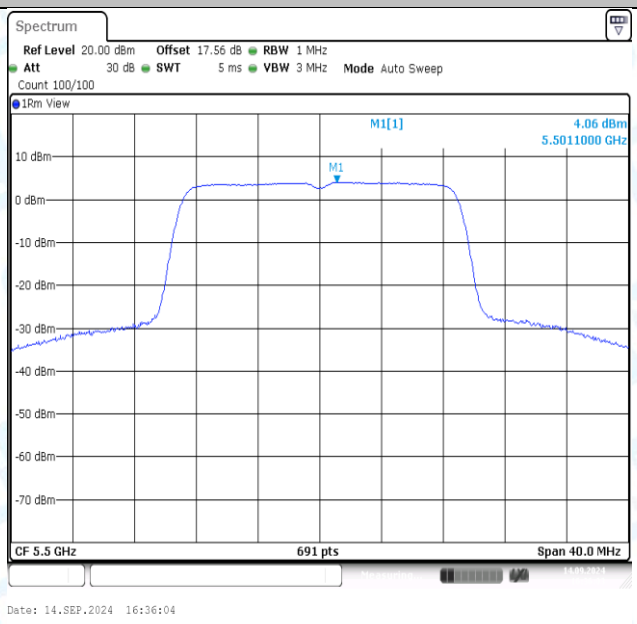
11N20MIMO-Ant2-5280-PASS

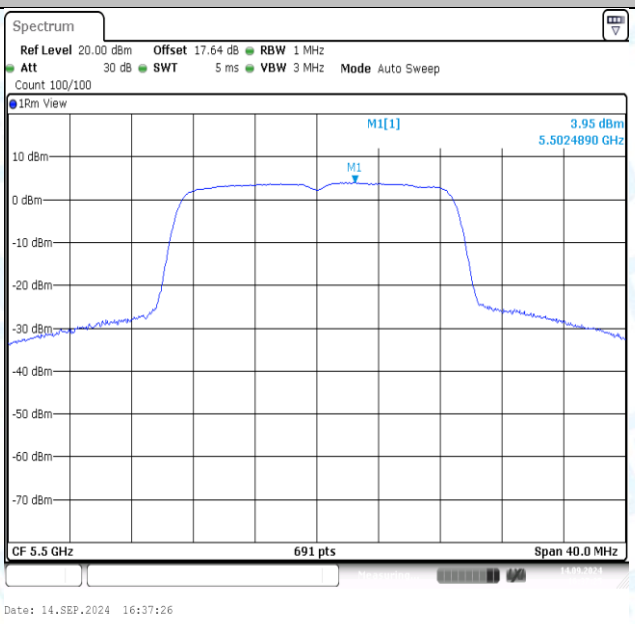


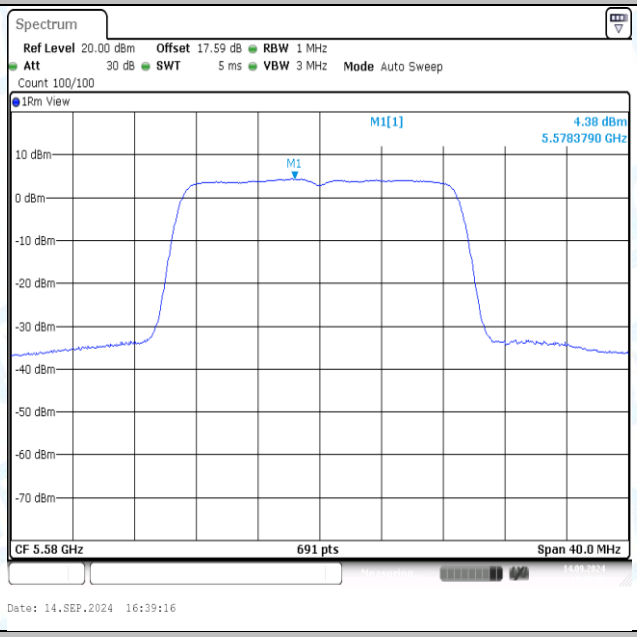
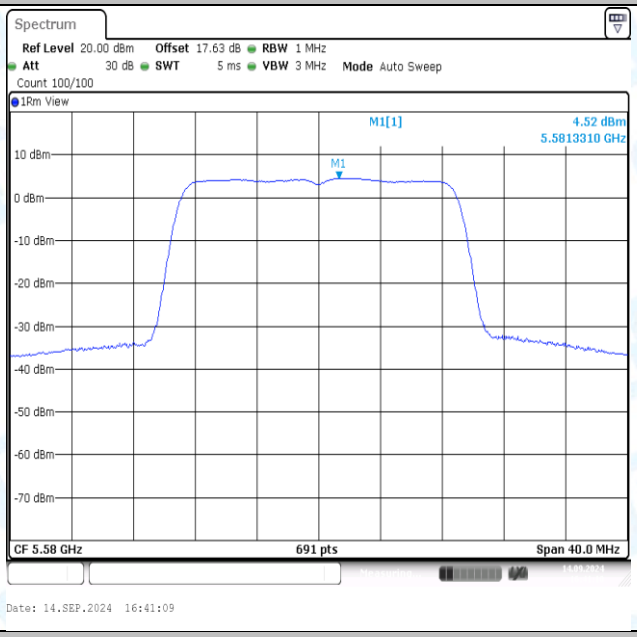
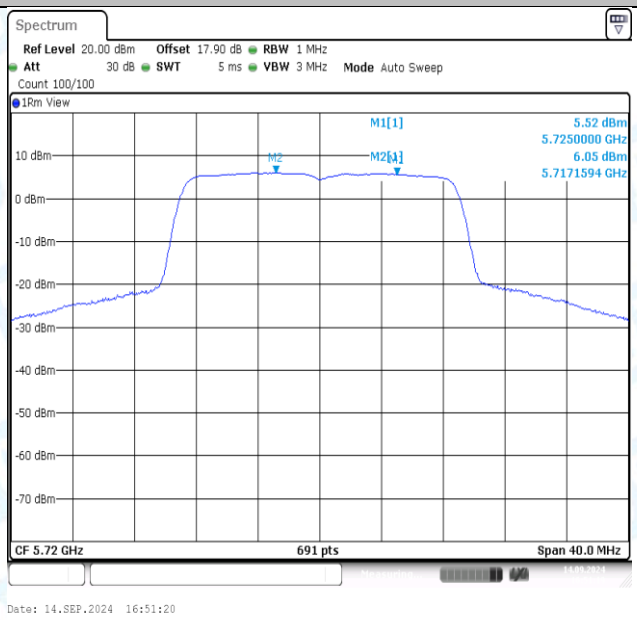
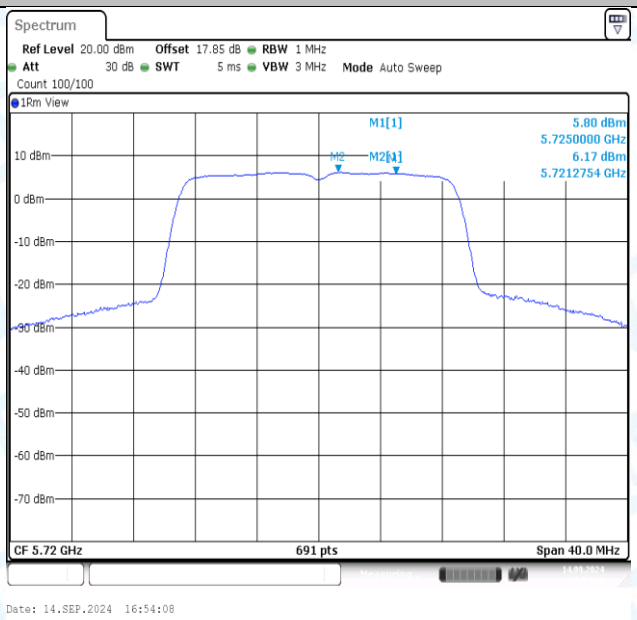
11N20MIMO-Ant1-5320-PASS

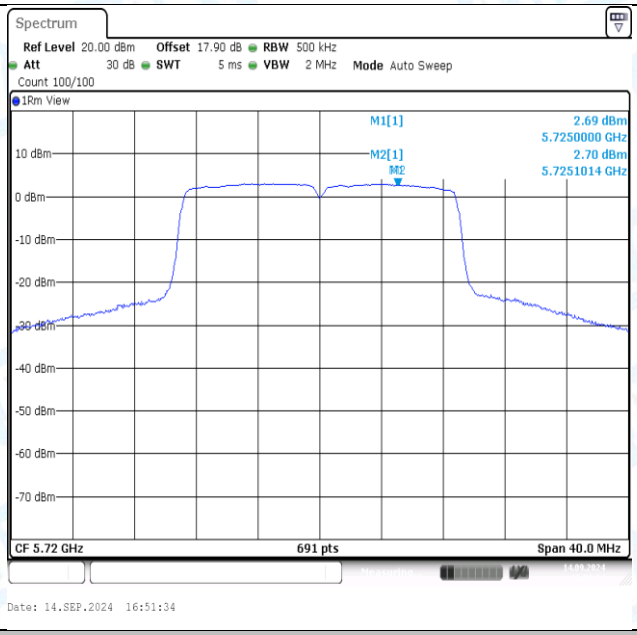


11N20MIMO-Ant2-5320-PASS

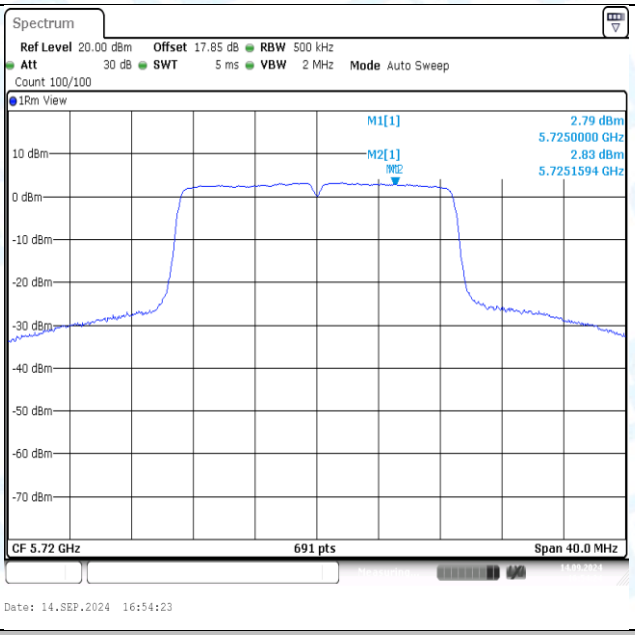




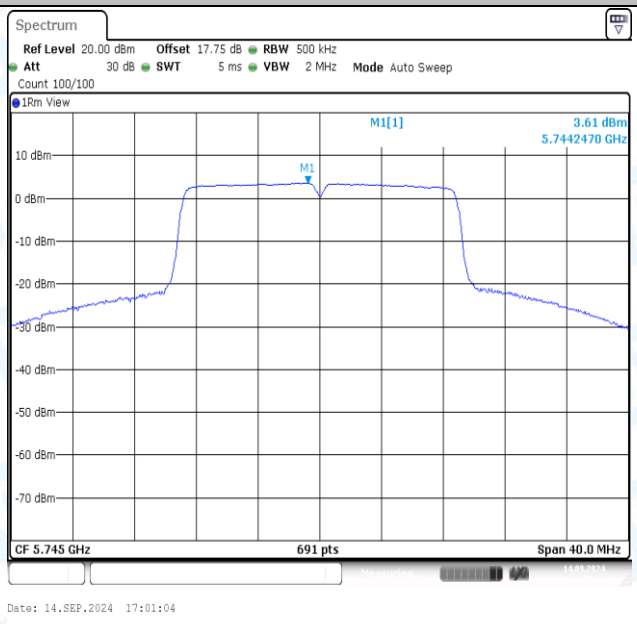
11N20MIMO-Ant1-5500-PASS	11N20MIMO-Ant2-5500-PASS
	
11N20MIMO-Ant1-5580-PASS	11N20MIMO-Ant2-5580-PASS
	
11N20MIMO-Ant1-5720_UNII-2C-PASS	11N20MIMO-Ant2-5720_UNII-2C-PASS



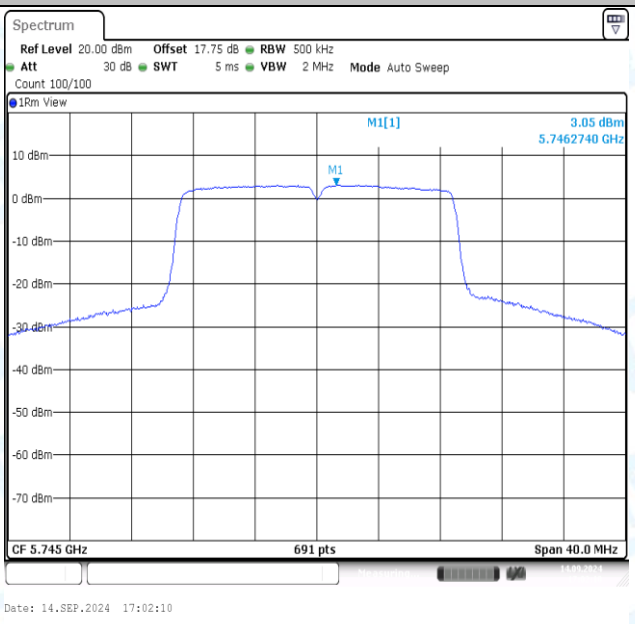
11N20MIMO-Ant1-5720_UNII-3-PASS



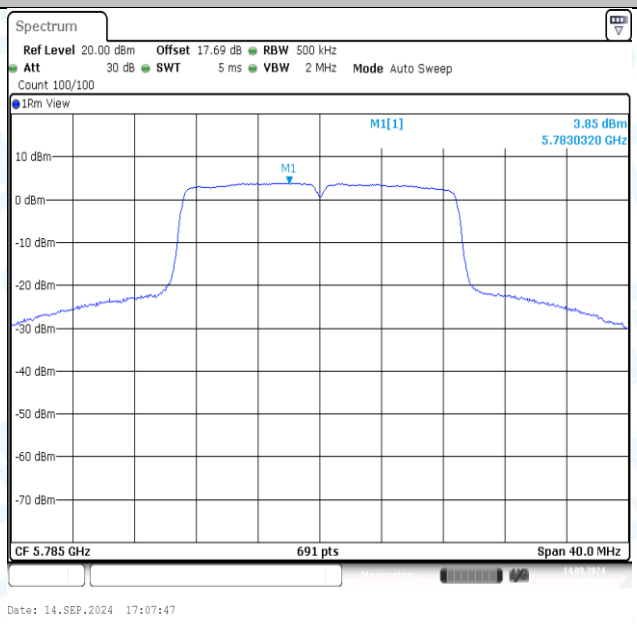
11N20MIMO-Ant2-5720_UNII-3-PASS

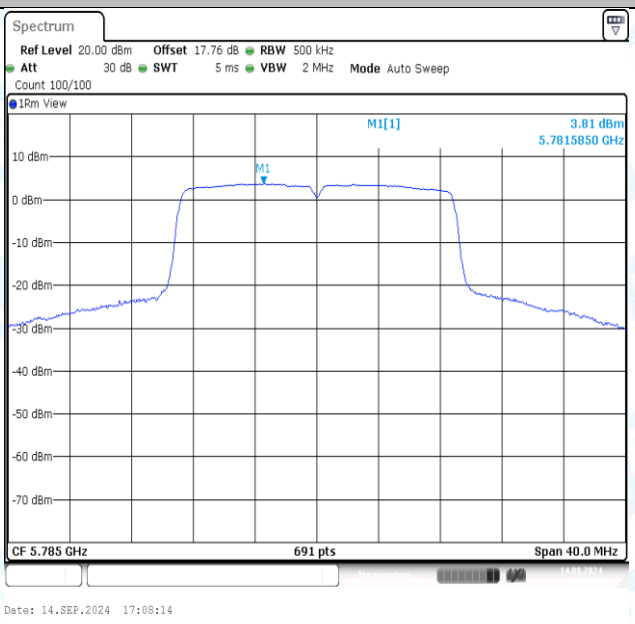


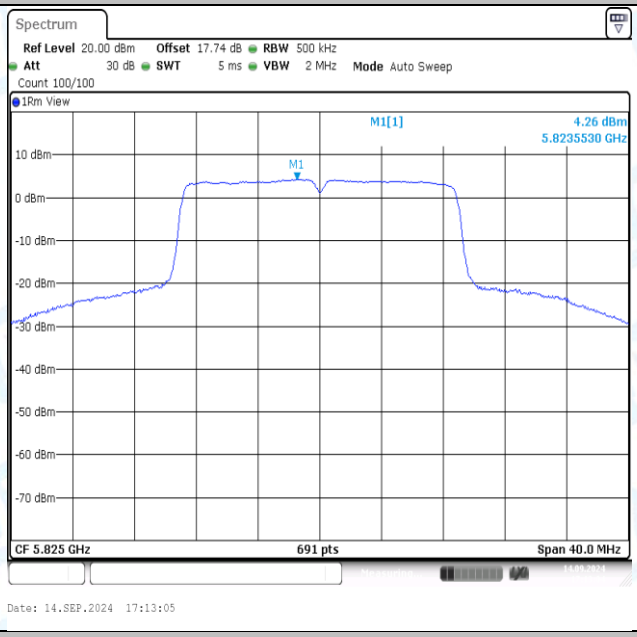
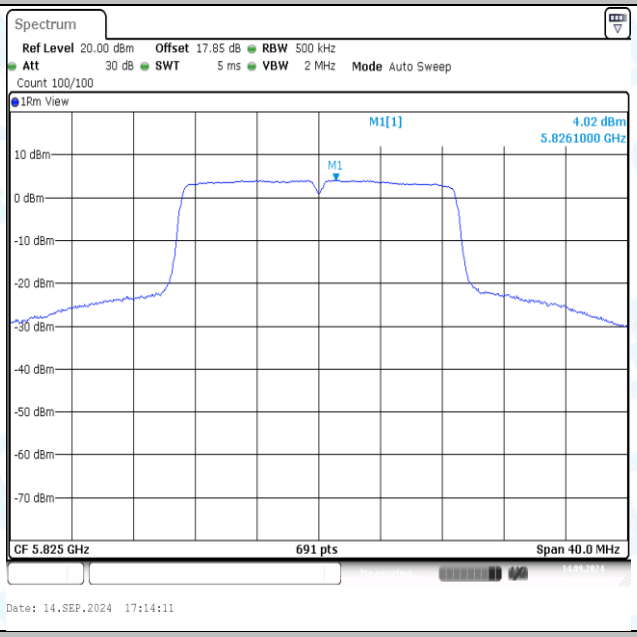
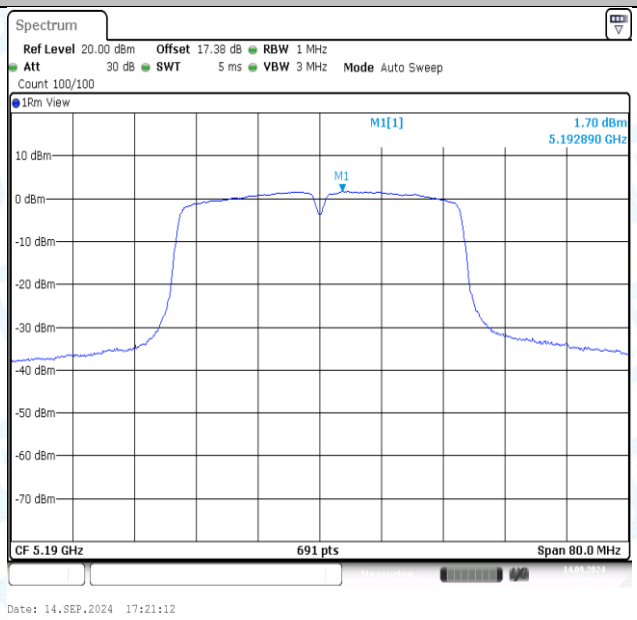
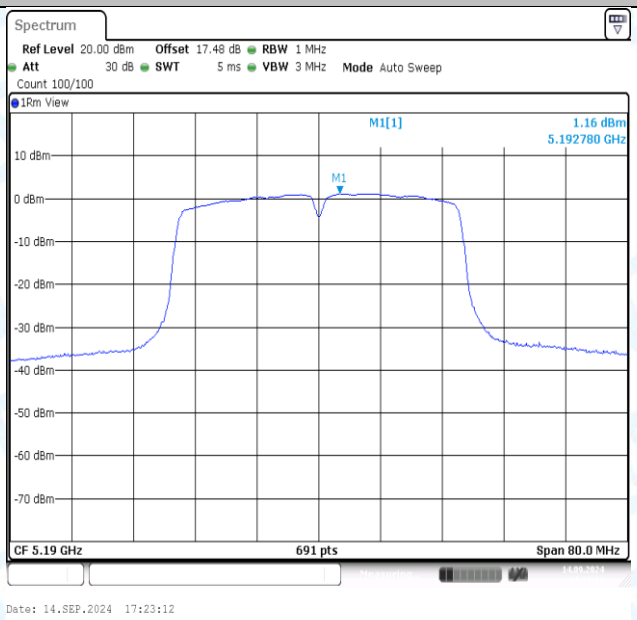
11N20MIMO-Ant1-5745-PASS

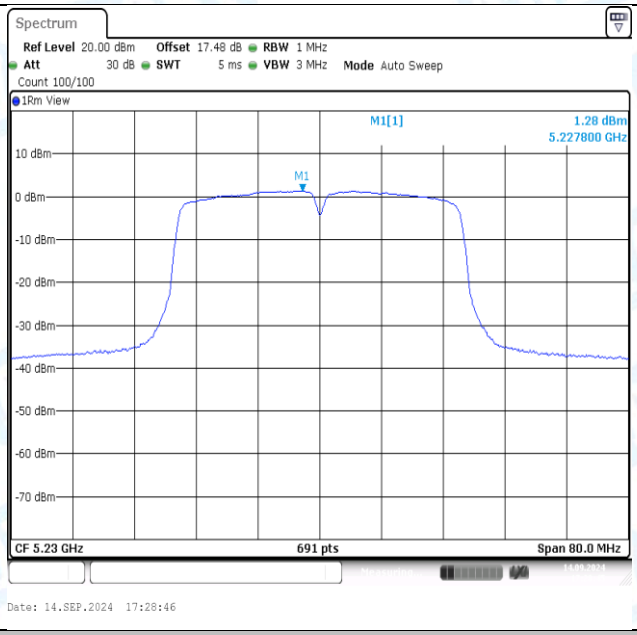


11N20MIMO-Ant2-5745-PASS

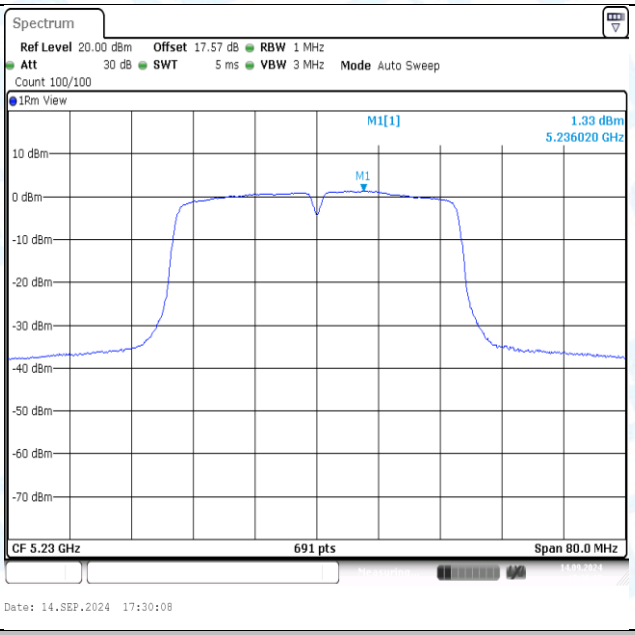




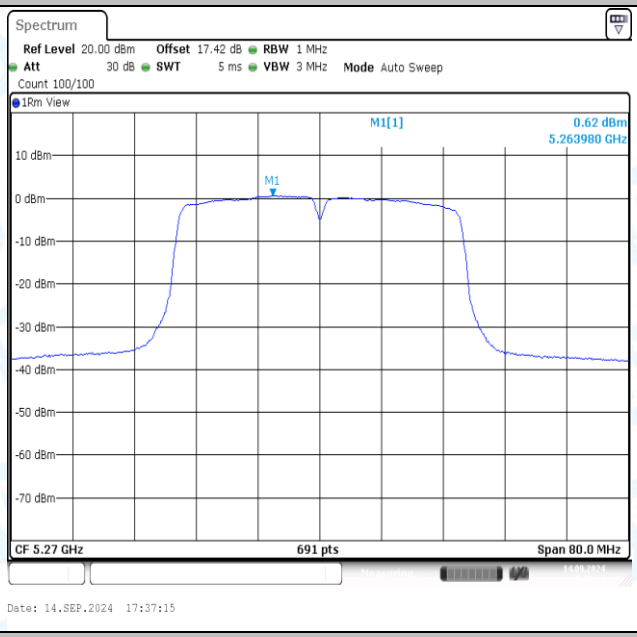
11N20MIMO-Ant1-5785-PASS	11N20MIMO-Ant2-5785-PASS
	
11N20MIMO-Ant1-5825-PASS	11N20MIMO-Ant2-5825-PASS
	
11N40MIMO-Ant1-5190-PASS	11N40MIMO-Ant2-5190-PASS



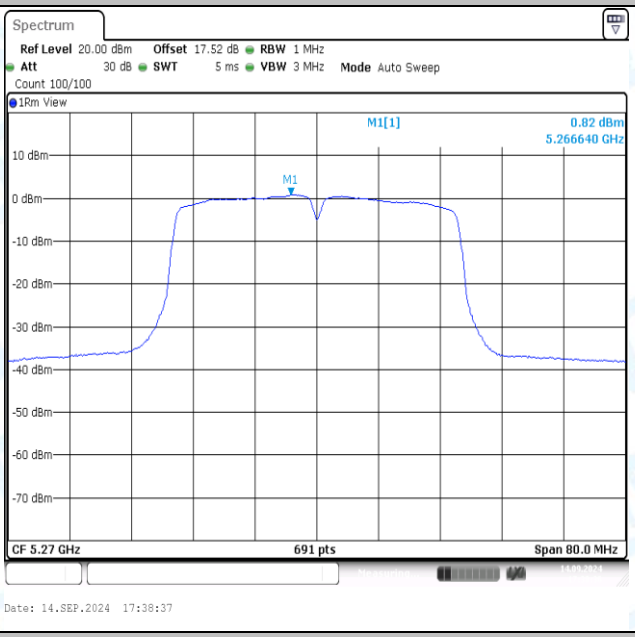
11N40MIMO-Ant1-5230-PASS



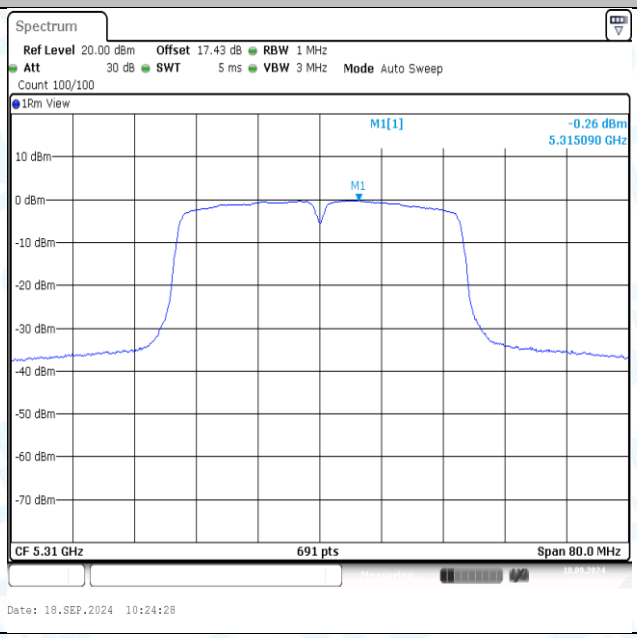
11N40MIMO-Ant2-5230-PASS

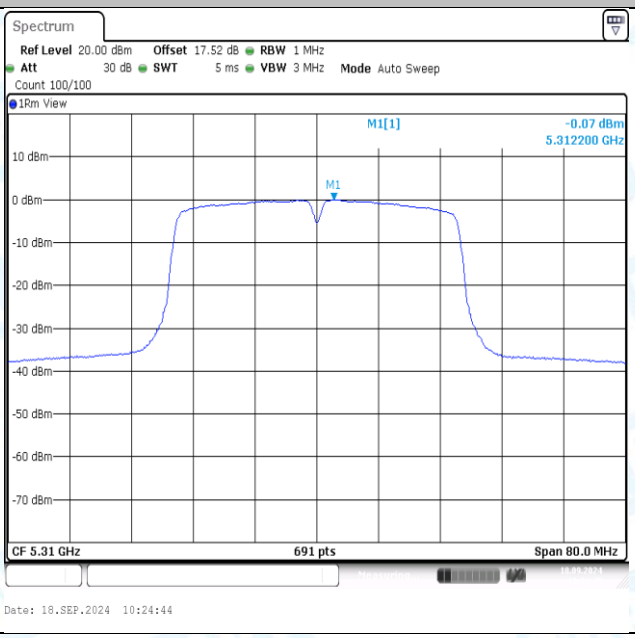


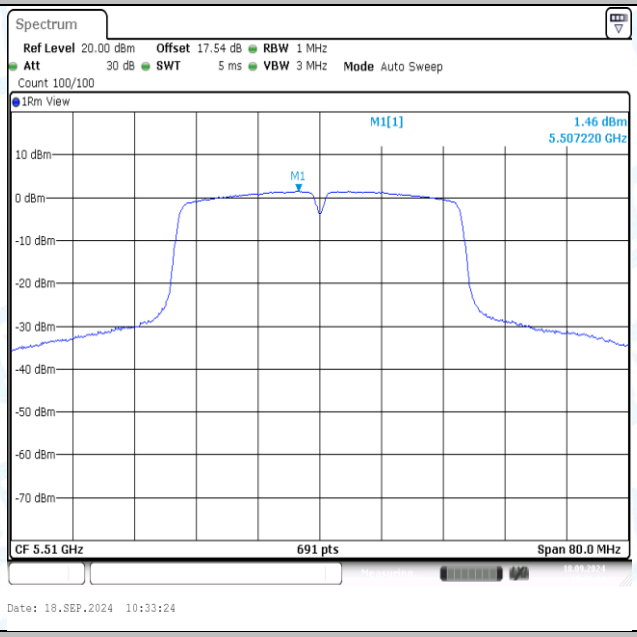
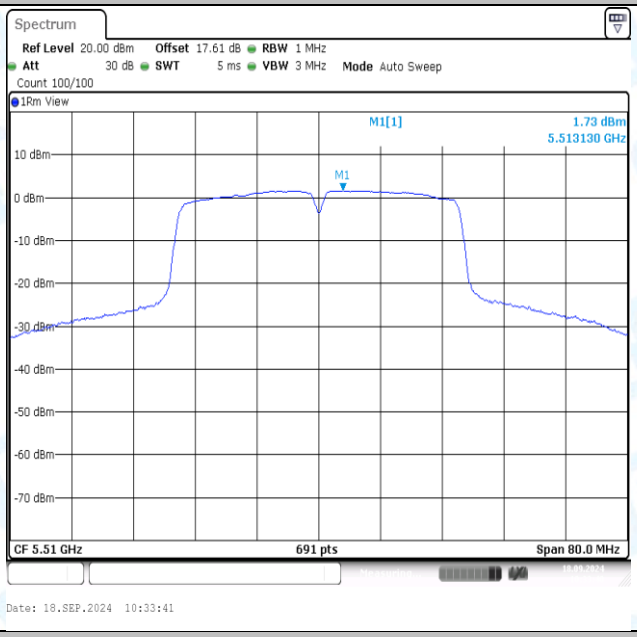
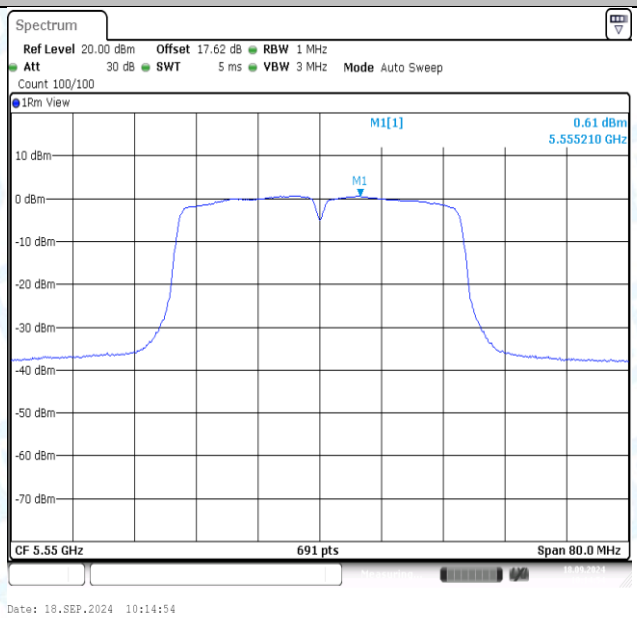
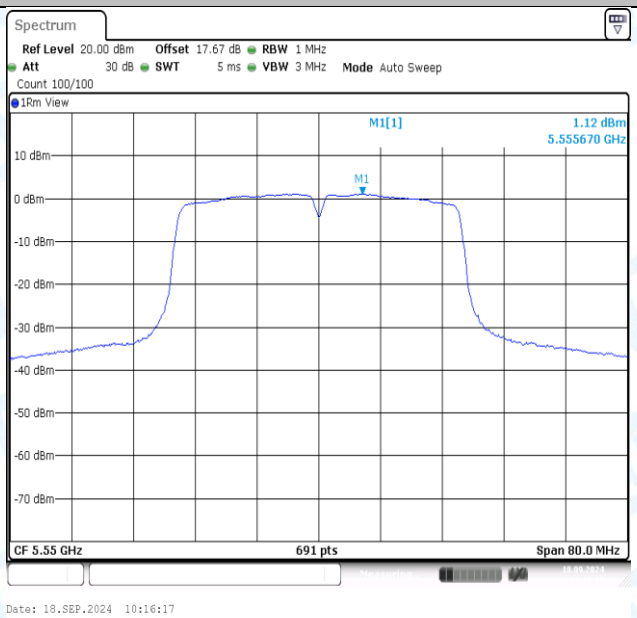
11N40MIMO-Ant1-5270-PASS

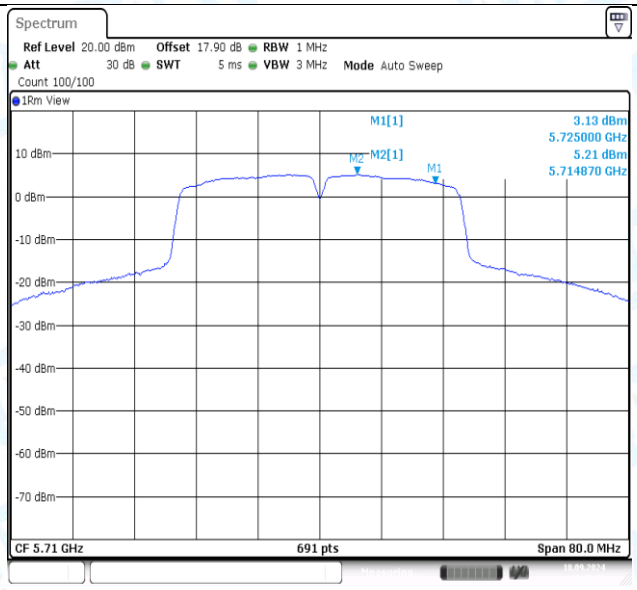


11N40MIMO-Ant2-5270-PASS

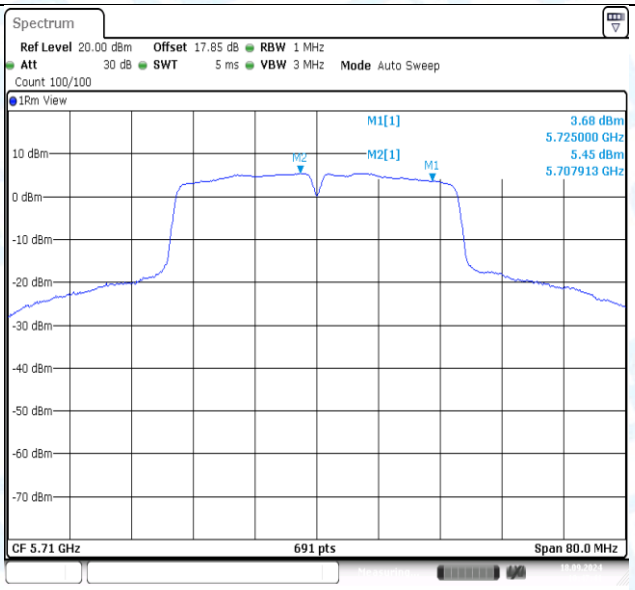




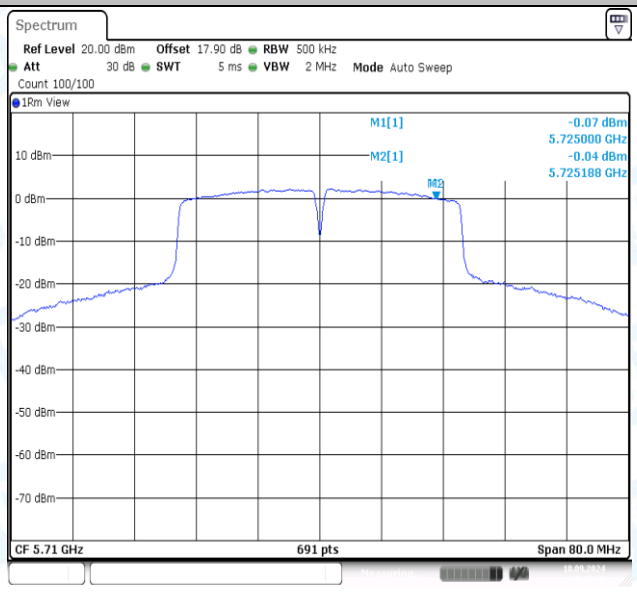
11N40MIMO-Ant1-5310-PASS	11N40MIMO-Ant2-5310-PASS
	
11N40MIMO-Ant1-5510-PASS	11N40MIMO-Ant2-5510-PASS
	
11N40MIMO-Ant1-5550-PASS	11N40MIMO-Ant2-5550-PASS



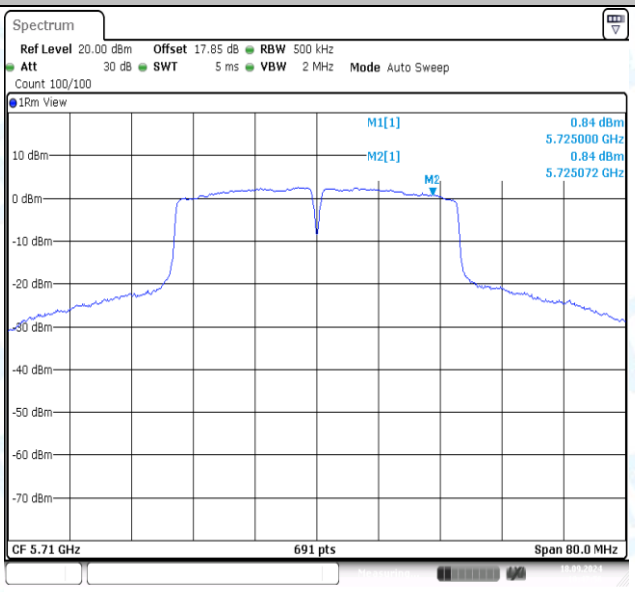
11N40MIMO-Ant1-5710_UNII-2C-PASS



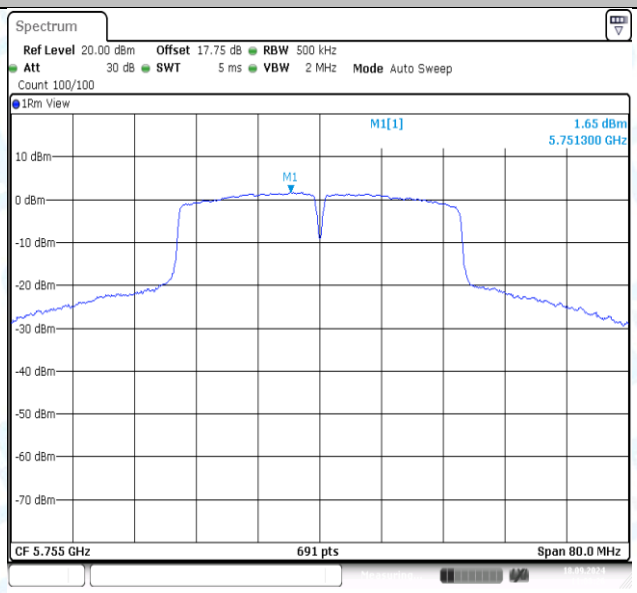
11N40MIMO-Ant2-5710_UNII-2C-PASS

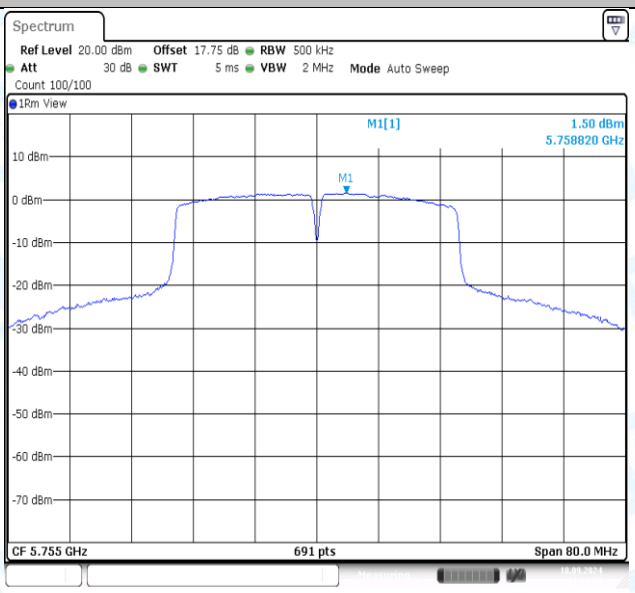


11N40MIMO-Ant1-5710_UNII-3-PASS

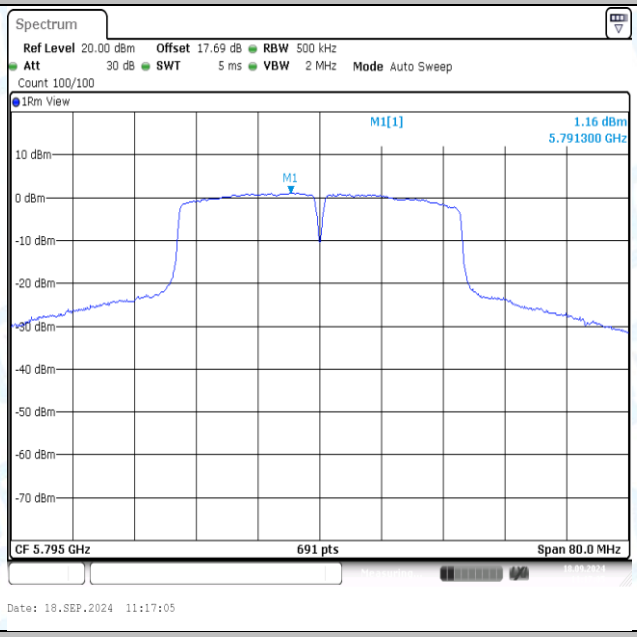


11N40MIMO-Ant2-5710_UNII-3-PASS

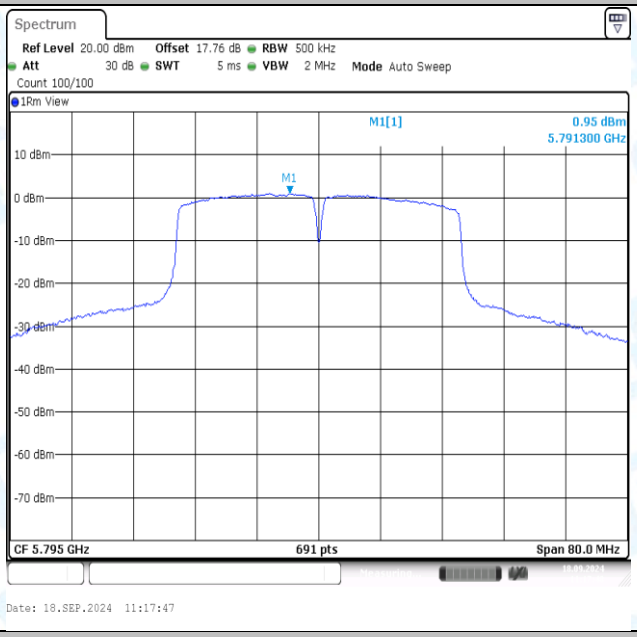




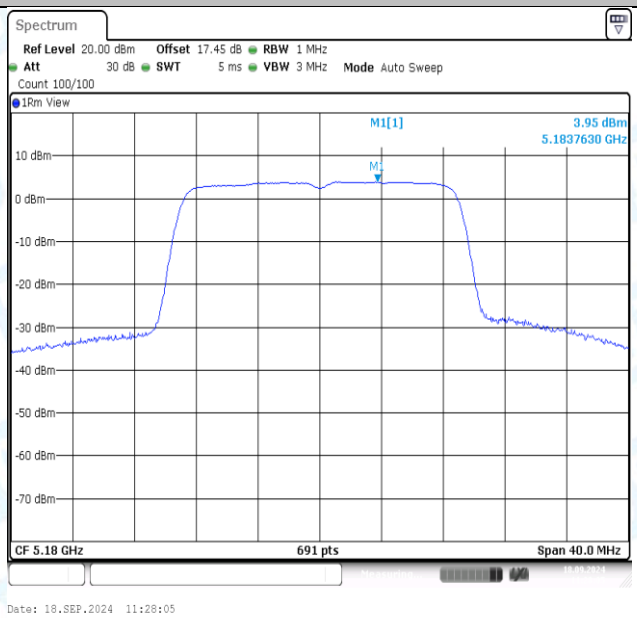
11N40MIMO-Ant1-5755-PASS



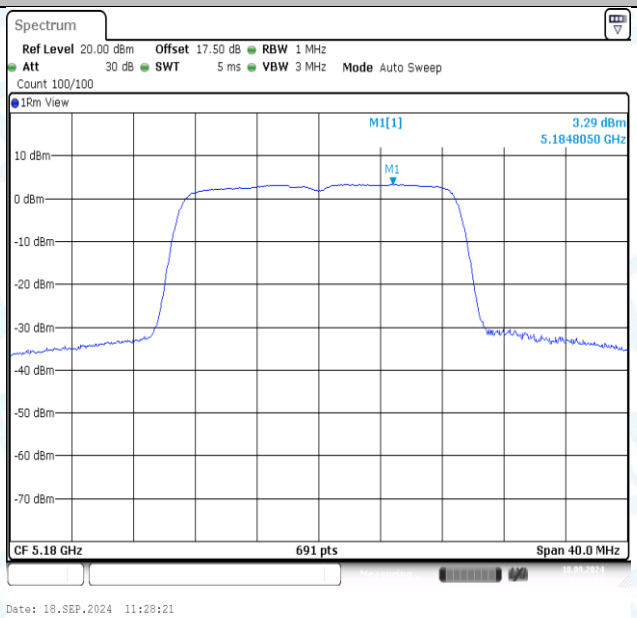
11N40MIMO-Ant2-5755-PASS



11N40MIMO-Ant1-5795-PASS

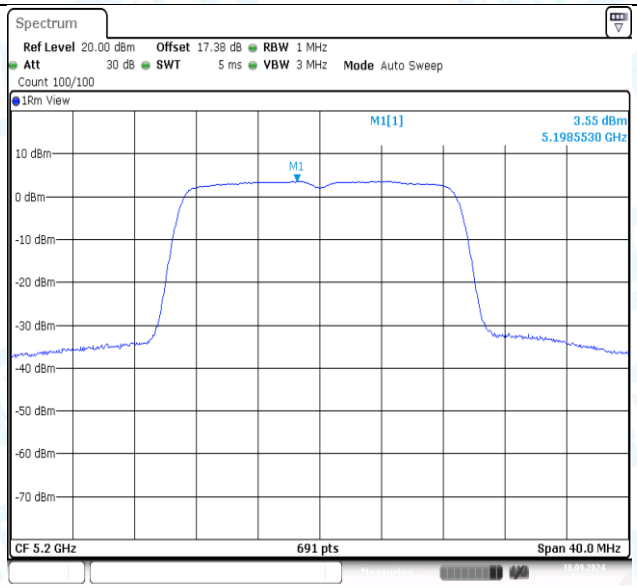


11N40MIMO-Ant2-5795-PASS

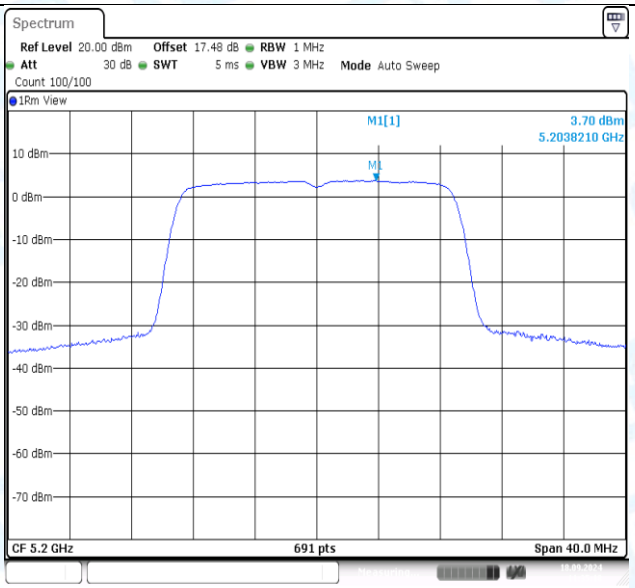


11AC20MIMO-Ant1-5180-PASS

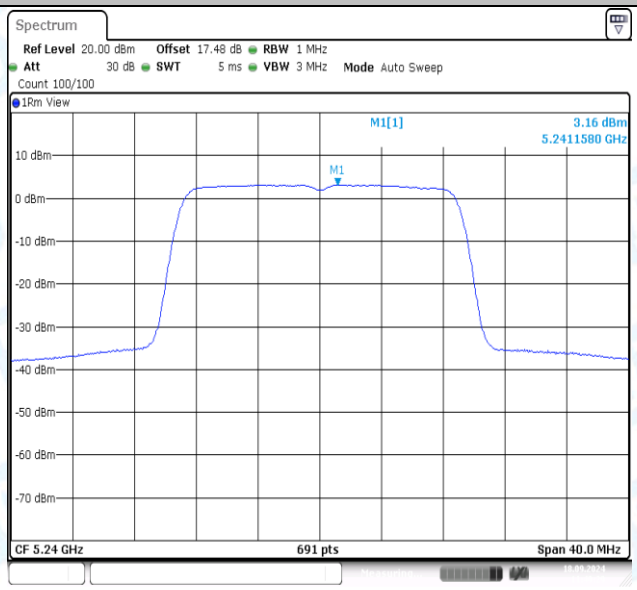
11AC20MIMO-Ant2-5180-PASS



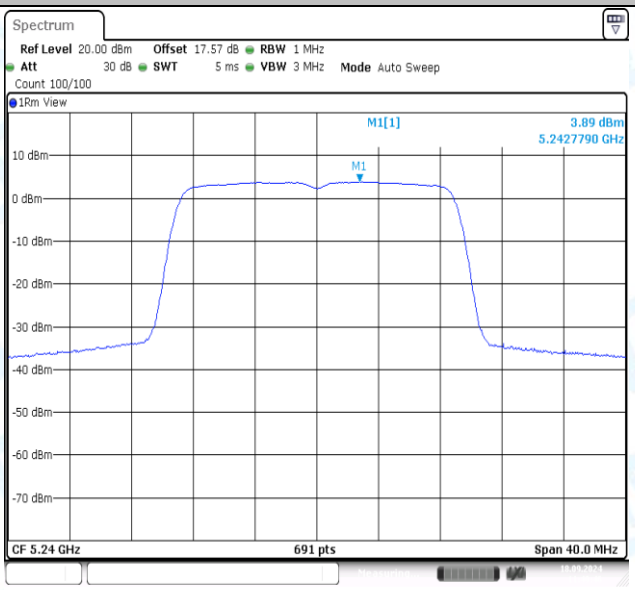
11AC20MIMO-Ant1-5200-PASS



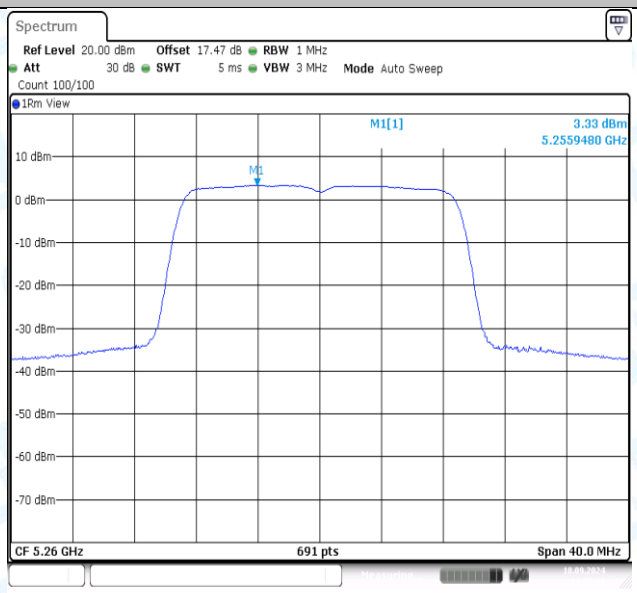
11AC20MIMO-Ant2-5200-PASS

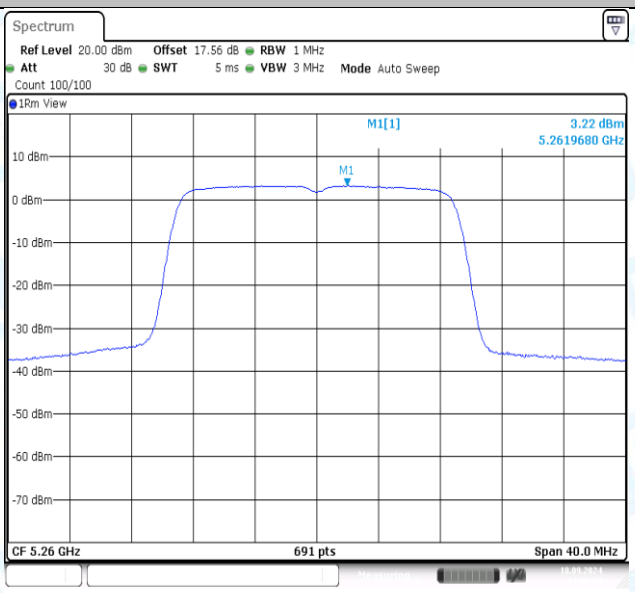


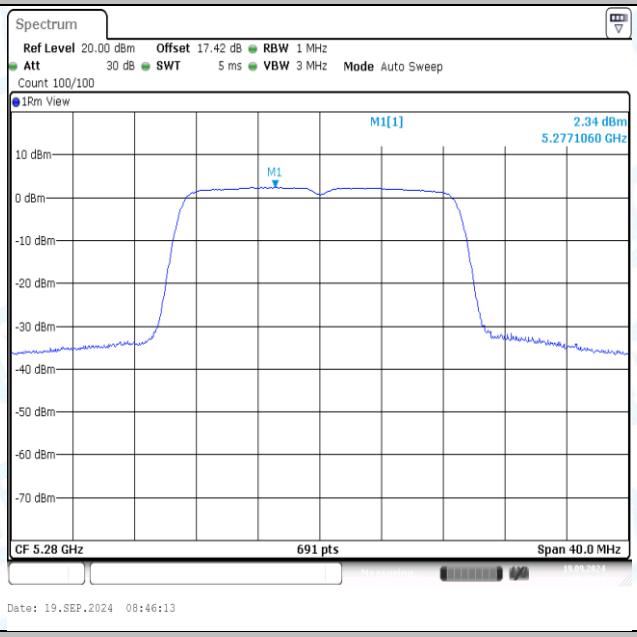
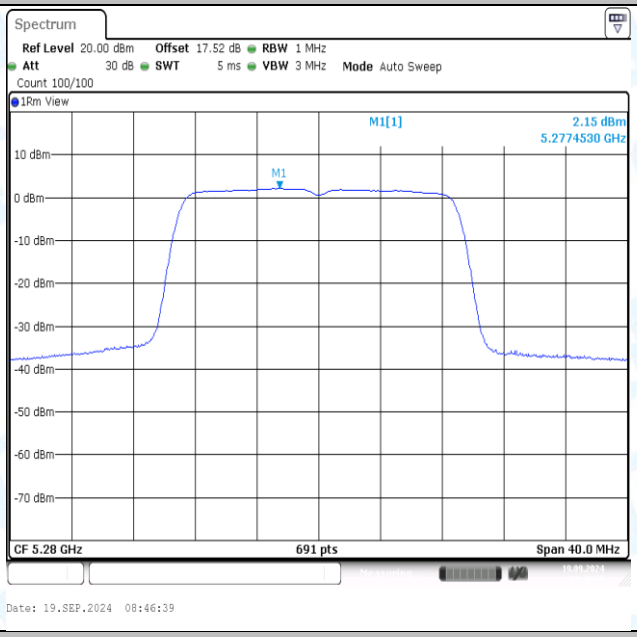
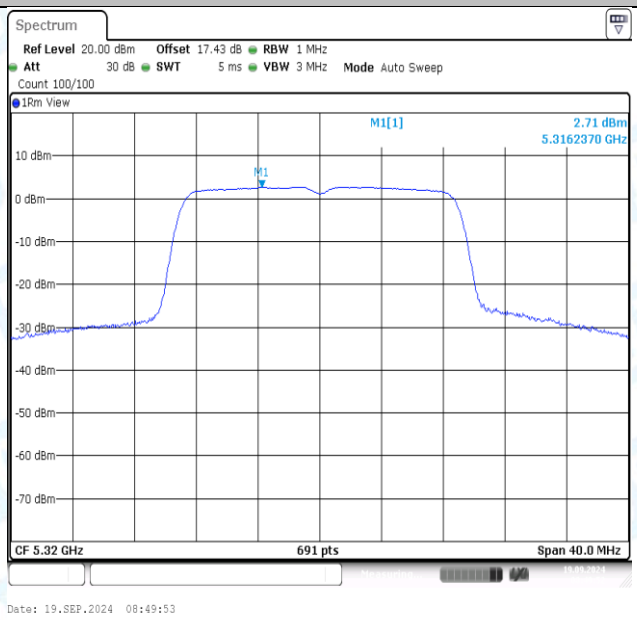
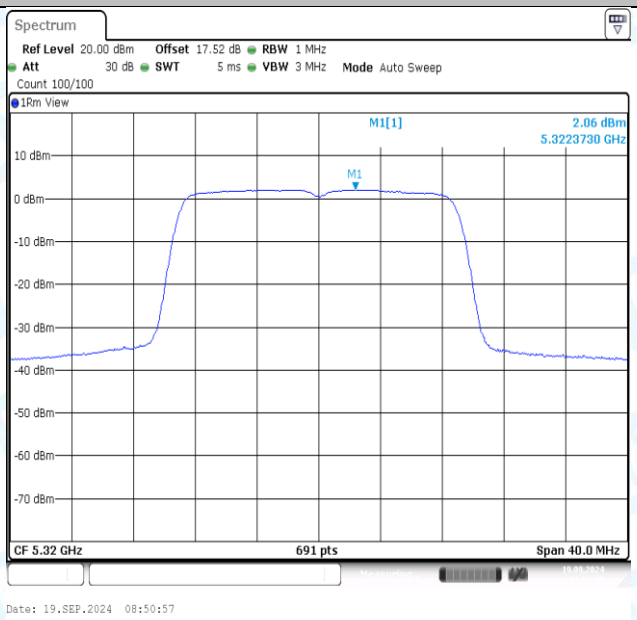
11AC20MIMO-Ant1-5240-PASS

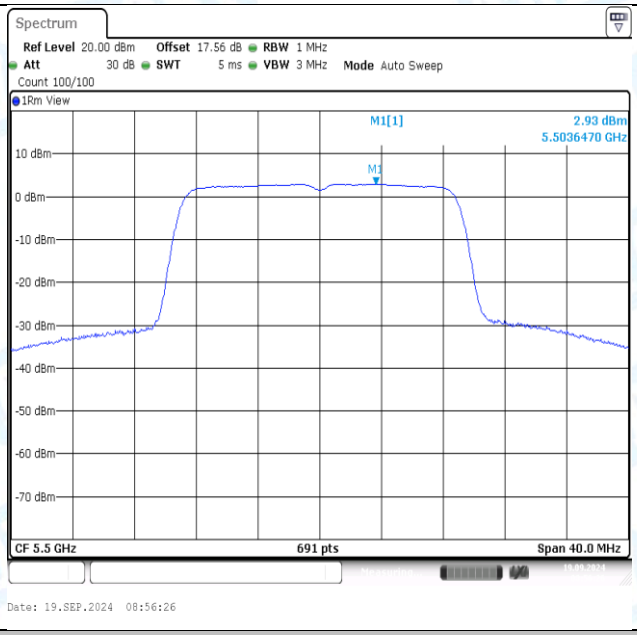


11AC20MIMO-Ant2-5240-PASS

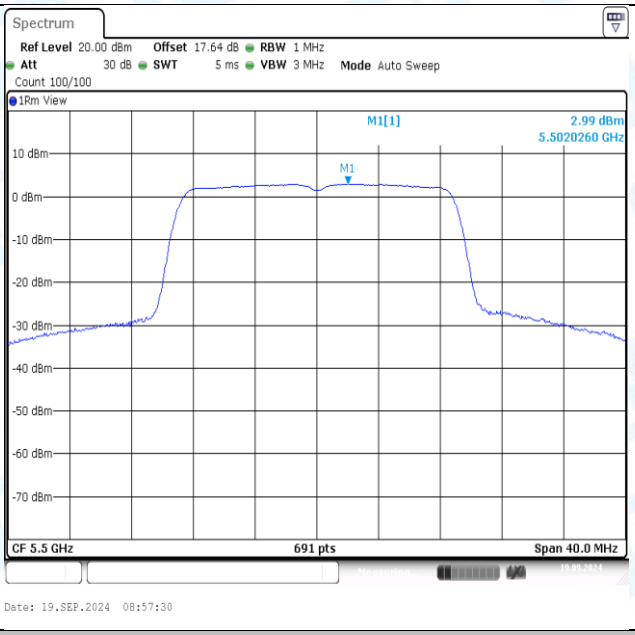




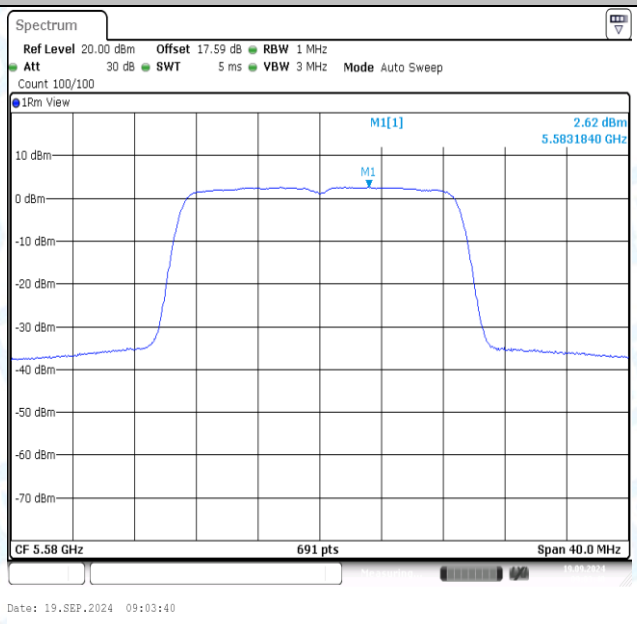
11AC20MIMO-Ant1-5260-PASS	11AC20MIMO-Ant2-5260-PASS
	
11AC20MIMO-Ant1-5280-PASS	11AC20MIMO-Ant2-5280-PASS
	
11AC20MIMO-Ant1-5320-PASS	11AC20MIMO-Ant2-5320-PASS



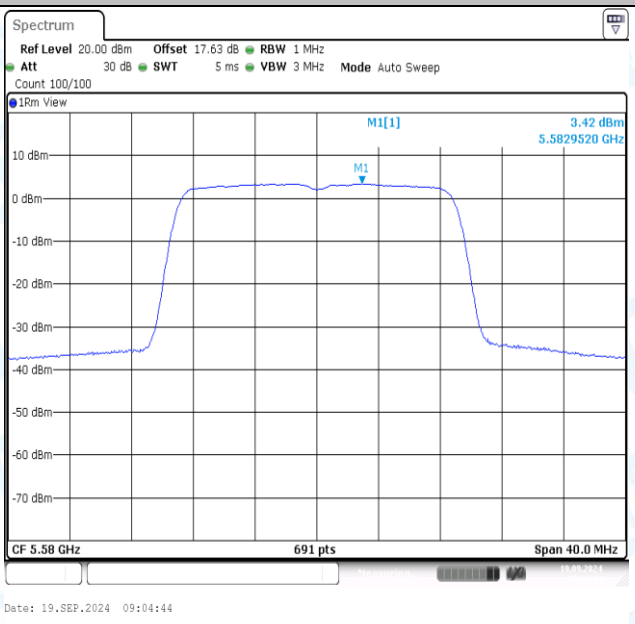
11AC20MIMO-Ant1-5500-PASS



11AC20MIMO-Ant2-5500-PASS



11AC20MIMO-Ant1-5580-PASS



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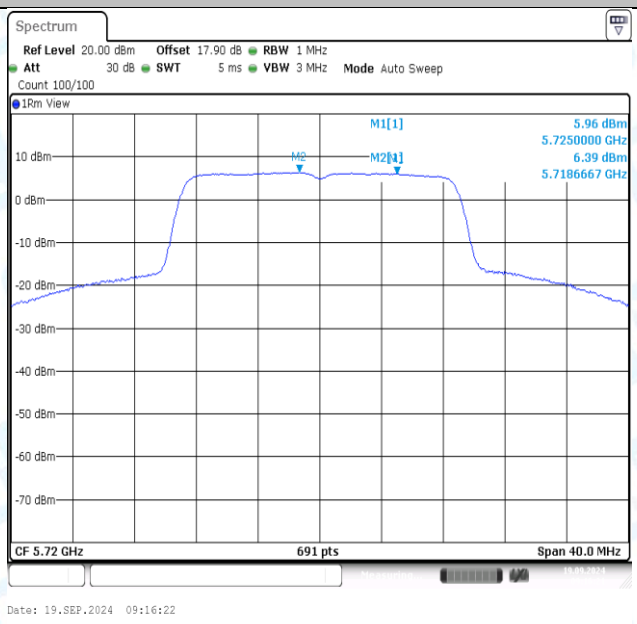
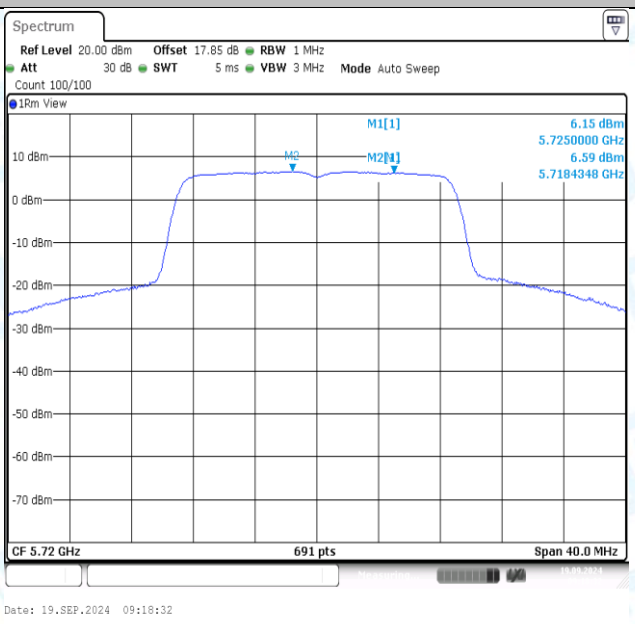
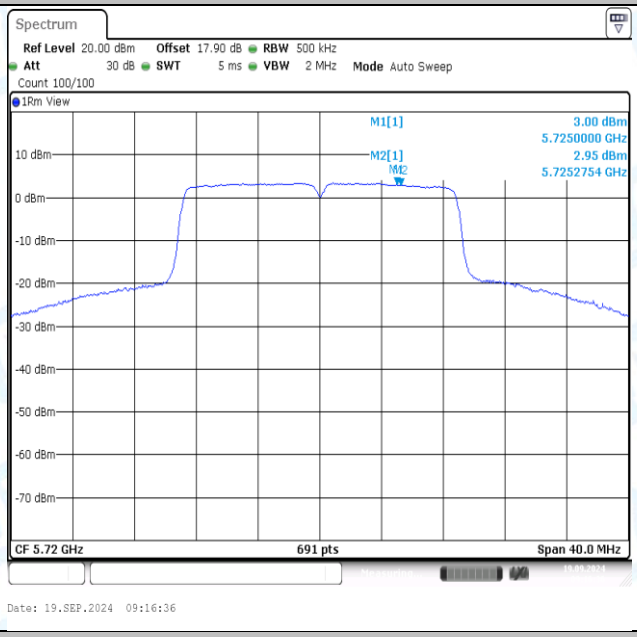




11AC20MIMO-Ant1-5720_UNII-2C-PASS



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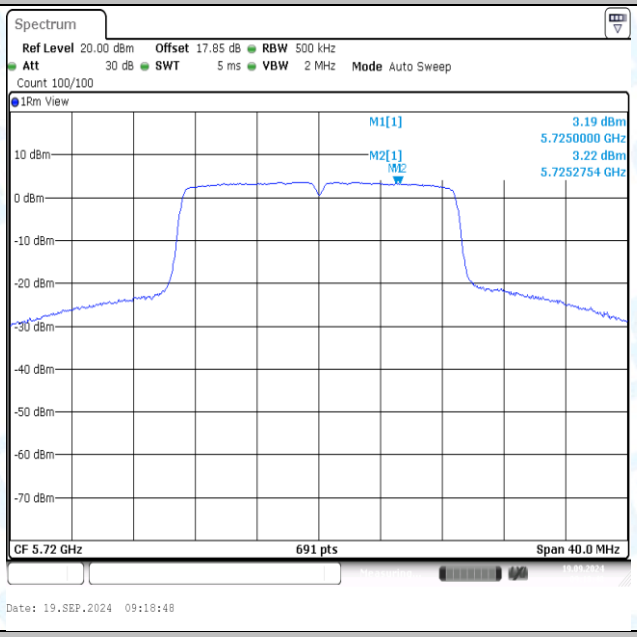

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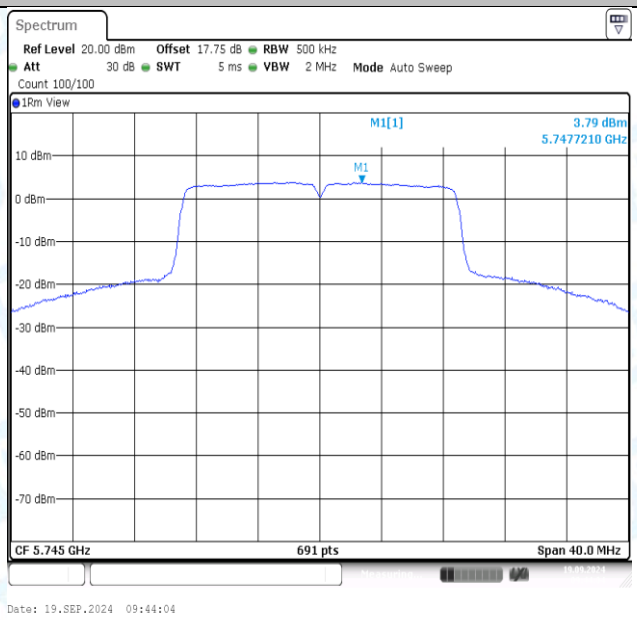

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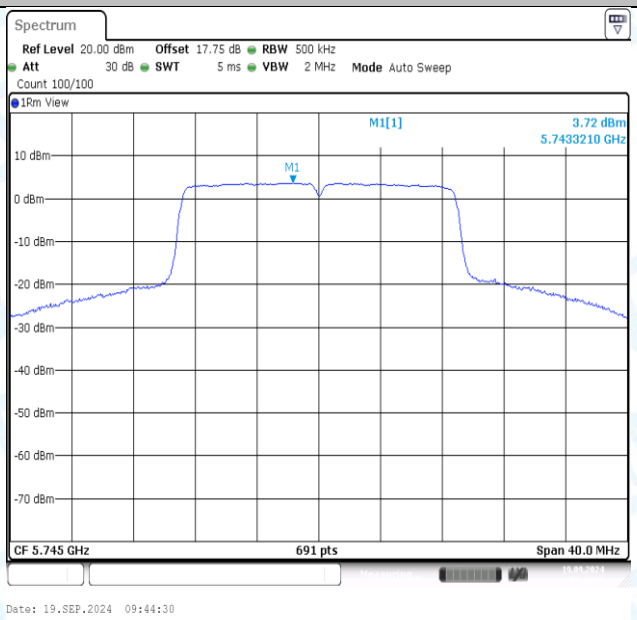

11AC20MIMO-Ant1-5745-PASS

11AC20MIMO-Ant2-5745-PASS