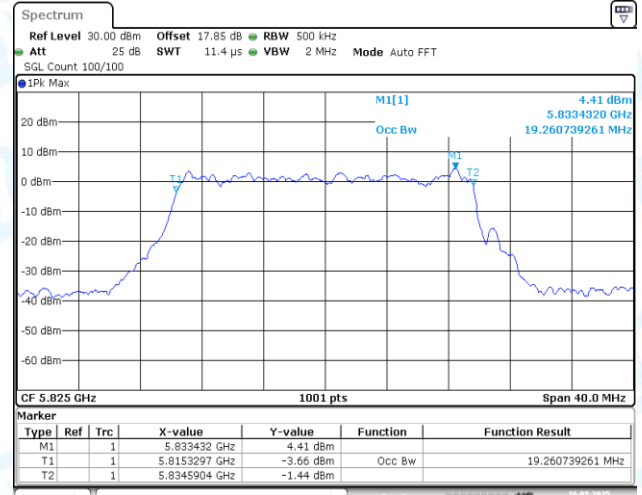
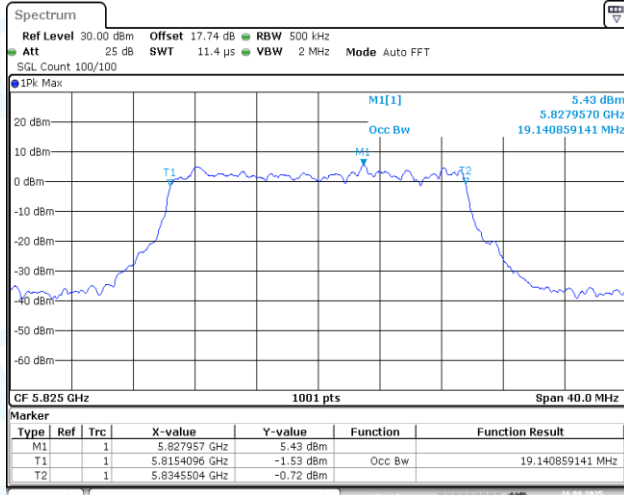
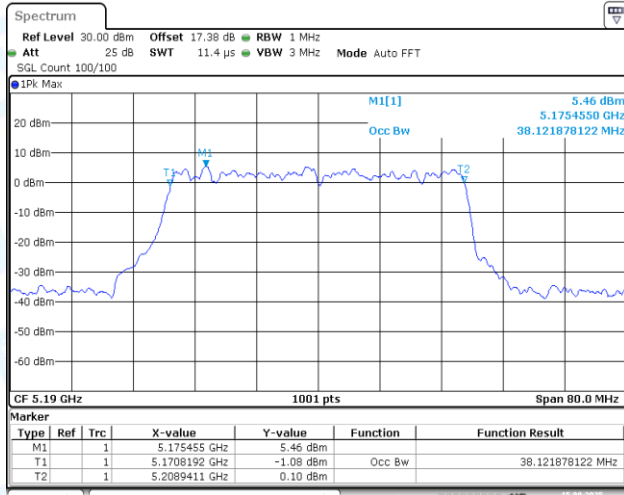
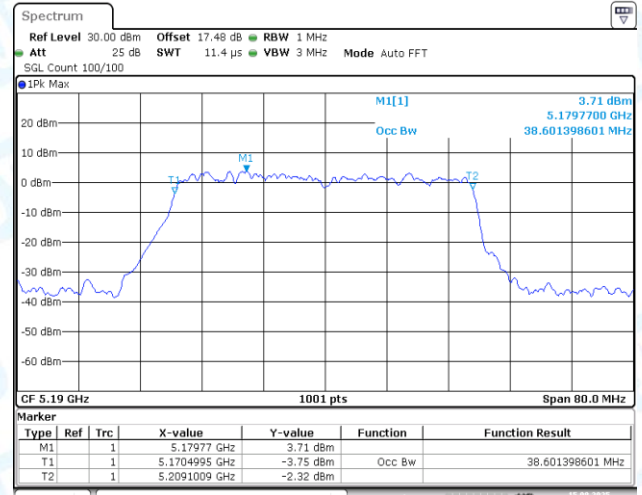




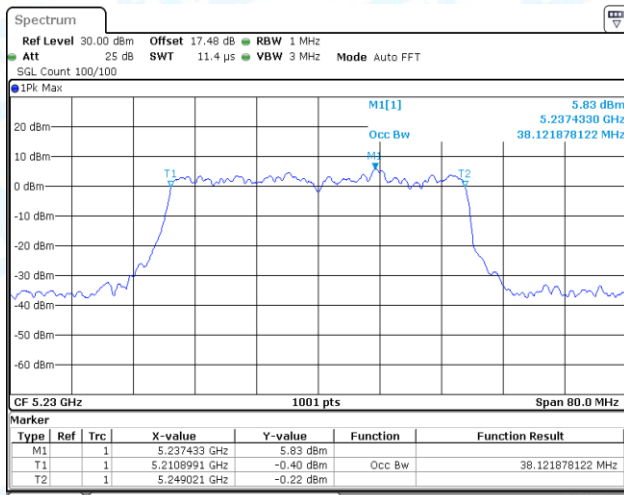
11AX20MIMO-Ant1-5825



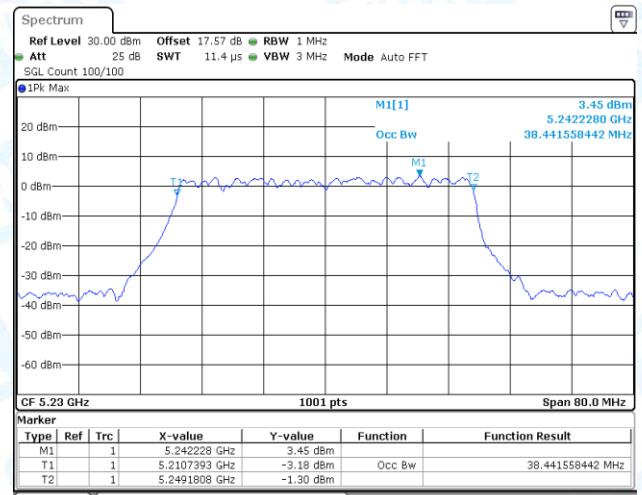
11AX20MIMO-Ant2-5825



11AX40MIMO-Ant1-5190



11AX40MIMO-Ant2-5190

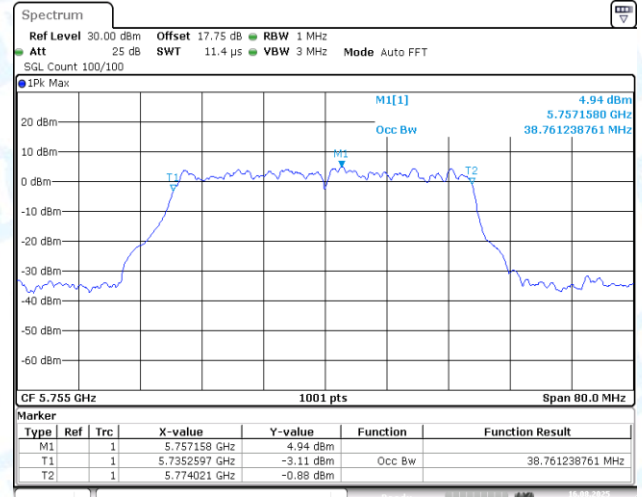
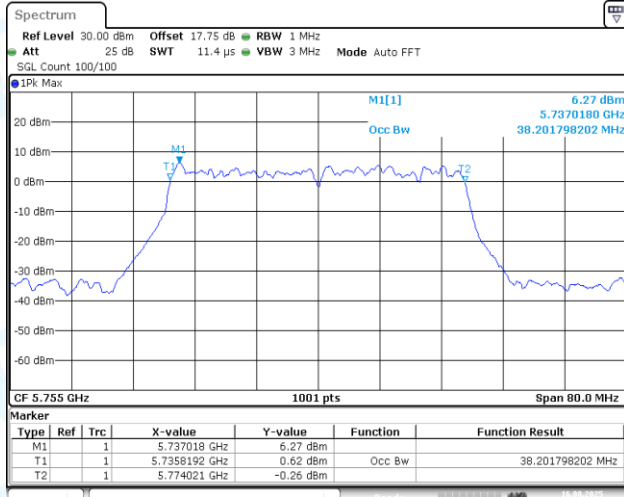


11AX40MIMO-Ant1-5230

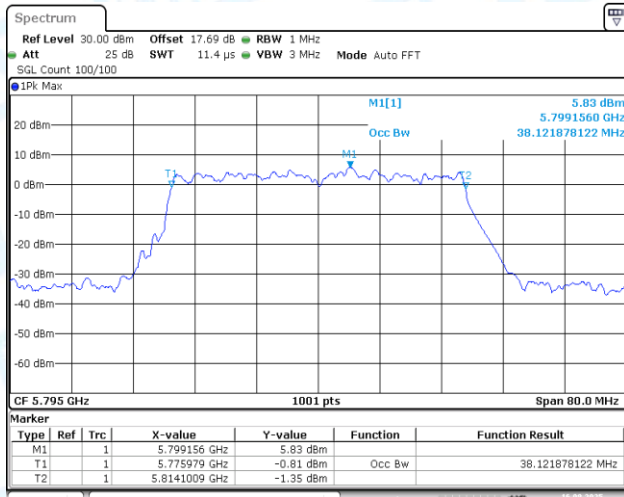


11AX40MIMO-Ant2-5230

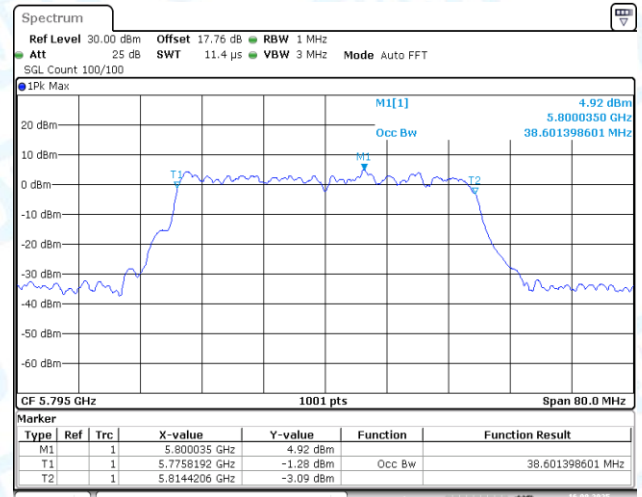




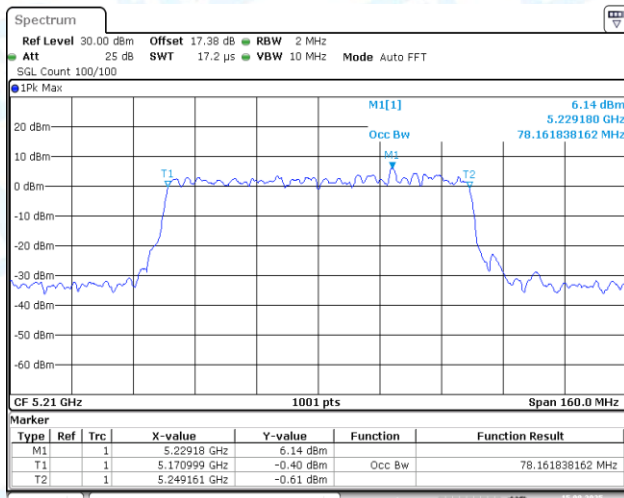
11AX40MIMO-Ant1-5755



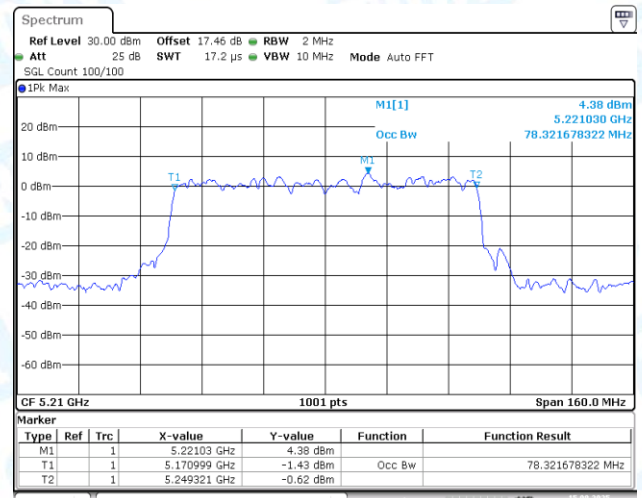
11AX40MIMO-Ant2-5755



11AX40MIMO-Ant1-5795

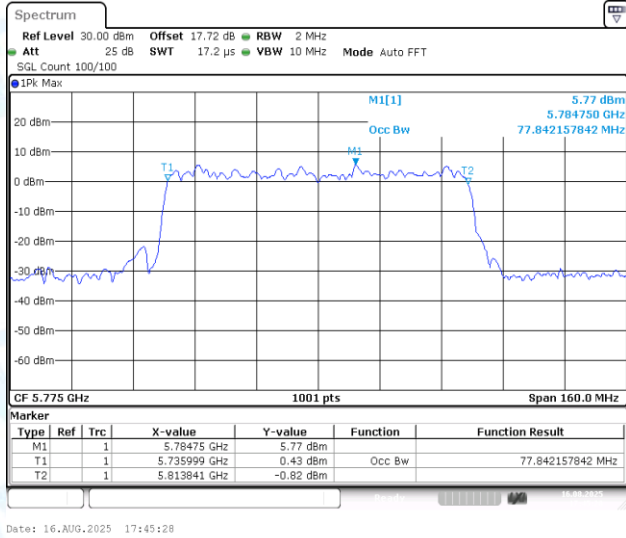


11AX40MIMO-Ant2-5795

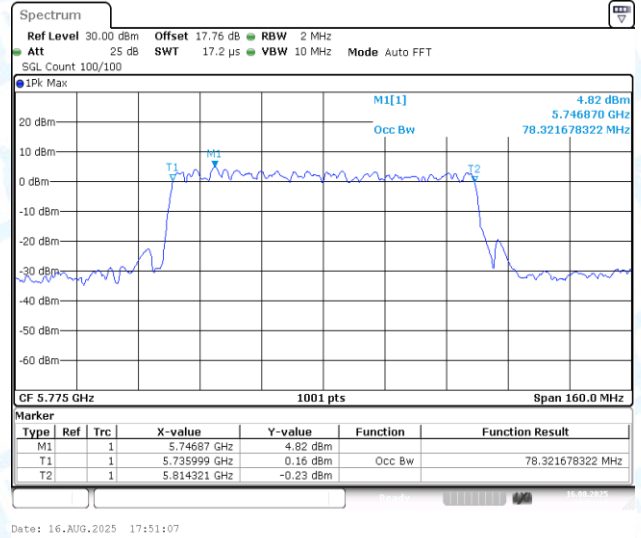


11AX80MIMO-Ant1-5210

11AX80MIMO-Ant2-5210



11AX80MIMO-Ant1-5775



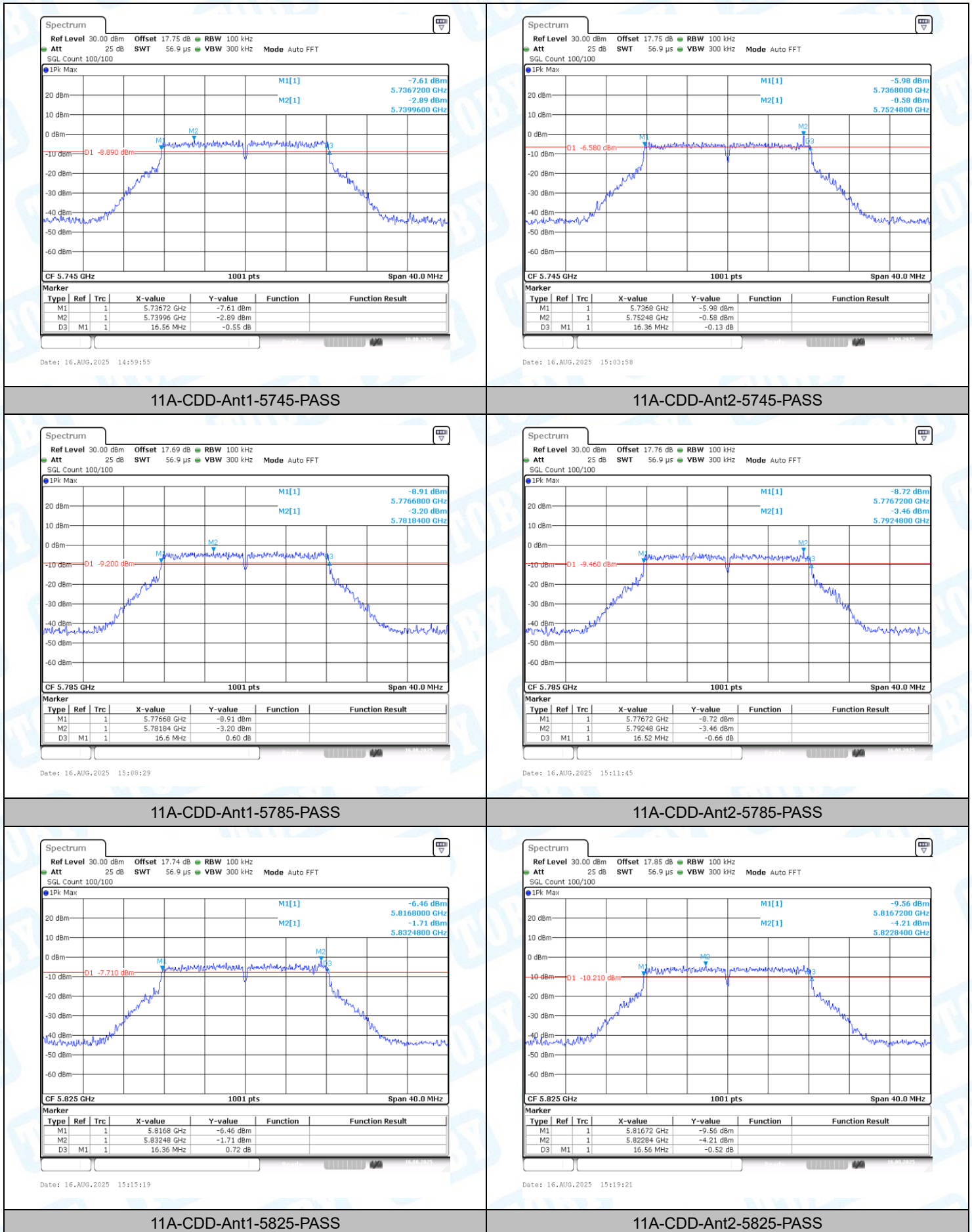
11AX80MIMO-Ant2-5775

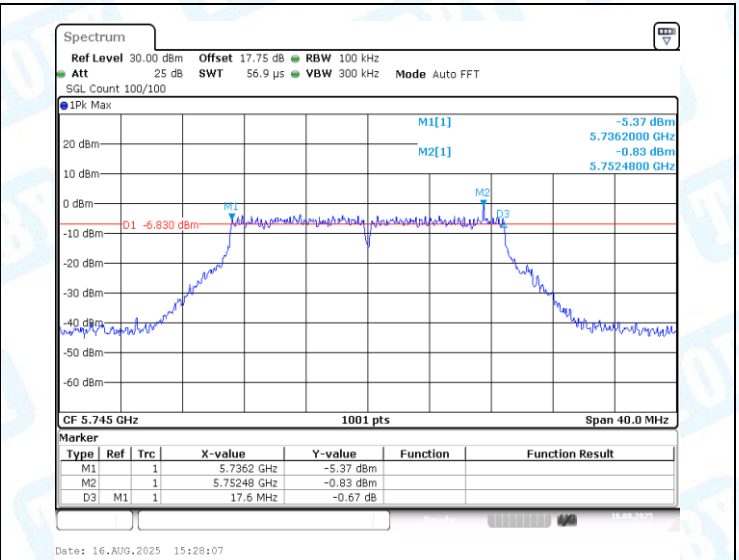
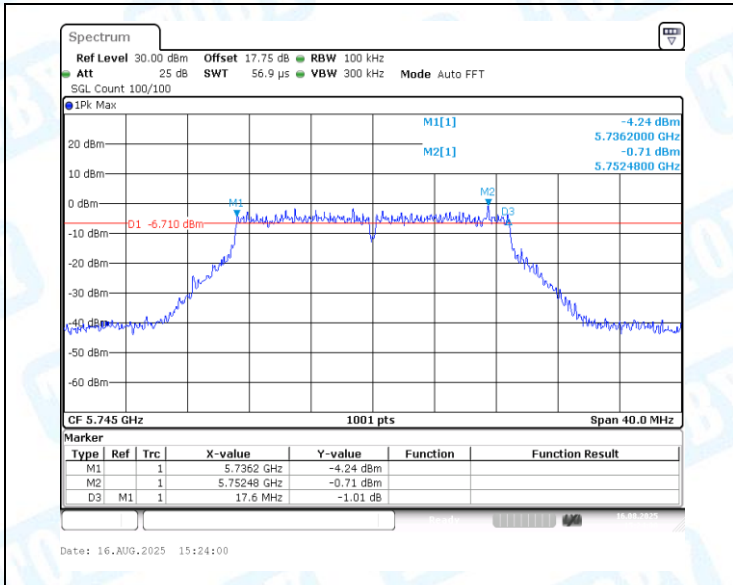
3: Min emission bandwidth

3.1 Test Result-B4

TestMode	Antenna	Frequency[MHz]	6dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	16.56	5736.72	5753.28	0.5	PASS
11A-CDD	Ant2	5745	16.36	5736.80	5753.16	0.5	PASS
11A-CDD	Ant1	5785	16.60	5776.68	5793.28	0.5	PASS
11A-CDD	Ant2	5785	16.52	5776.72	5793.24	0.5	PASS
11A-CDD	Ant1	5825	16.36	5816.80	5833.16	0.5	PASS
11A-CDD	Ant2	5825	16.56	5816.72	5833.28	0.5	PASS
11N20MIMO	Ant1	5745	17.60	5736.20	5753.80	0.5	PASS
11N20MIMO	Ant2	5745	17.60	5736.20	5753.80	0.5	PASS
11N20MIMO	Ant1	5785	17.80	5776.08	5793.88	0.5	PASS
11N20MIMO	Ant2	5785	17.80	5776.08	5793.88	0.5	PASS
11N20MIMO	Ant1	5825	17.56	5816.20	5833.76	0.5	PASS
11N20MIMO	Ant2	5825	17.60	5816.20	5833.80	0.5	PASS
11N40MIMO	Ant1	5755	36.48	5736.76	5773.24	0.5	PASS
11N40MIMO	Ant2	5755	36.40	5736.76	5773.16	0.5	PASS
11N40MIMO	Ant1	5795	36.40	5776.76	5813.16	0.5	PASS
11N40MIMO	Ant2	5795	36.56	5776.68	5813.24	0.5	PASS
11AC20MIMO	Ant1	5745	17.80	5736.08	5753.88	0.5	PASS
11AC20MIMO	Ant2	5745	17.84	5736.08	5753.92	0.5	PASS
11AC20MIMO	Ant1	5785	17.56	5776.20	5793.76	0.5	PASS
11AC20MIMO	Ant2	5785	17.84	5776.08	5793.92	0.5	PASS
11AC20MIMO	Ant1	5825	17.64	5816.16	5833.80	0.5	PASS
11AC20MIMO	Ant2	5825	17.84	5816.08	5833.92	0.5	PASS
11AC40MIMO	Ant1	5755	36.32	5736.84	5773.16	0.5	PASS
11AC40MIMO	Ant2	5755	36.40	5736.76	5773.16	0.5	PASS
11AC40MIMO	Ant1	5795	36.40	5776.76	5813.16	0.5	PASS
11AC40MIMO	Ant2	5795	36.56	5776.68	5813.24	0.5	PASS
11AC80MIMO	Ant1	5775	76.48	5736.76	5813.24	0.5	PASS
11AC80MIMO	Ant2	5775	76.48	5736.76	5813.24	0.5	PASS
11AX20MIMO	Ant1	5745	19.16	5735.36	5754.52	0.5	PASS
11AX20MIMO	Ant2	5745	19.16	5735.36	5754.52	0.5	PASS
11AX20MIMO	Ant1	5785	19.12	5775.36	5794.48	0.5	PASS
11AX20MIMO	Ant2	5785	19.20	5775.36	5794.56	0.5	PASS
11AX20MIMO	Ant1	5825	19.12	5815.40	5834.52	0.5	PASS
11AX20MIMO	Ant2	5825	19.08	5815.44	5834.52	0.5	PASS
11AX40MIMO	Ant1	5755	37.92	5735.96	5773.88	0.5	PASS
11AX40MIMO	Ant2	5755	38.32	5735.80	5774.12	0.5	PASS
11AX40MIMO	Ant1	5795	37.76	5776.04	5813.80	0.5	PASS
11AX40MIMO	Ant2	5795	37.92	5775.96	5813.88	0.5	PASS
11AX80MIMO	Ant1	5775	78.24	5735.80	5814.04	0.5	PASS
11AX80MIMO	Ant2	5775	78.08	5735.96	5814.04	0.5	PASS

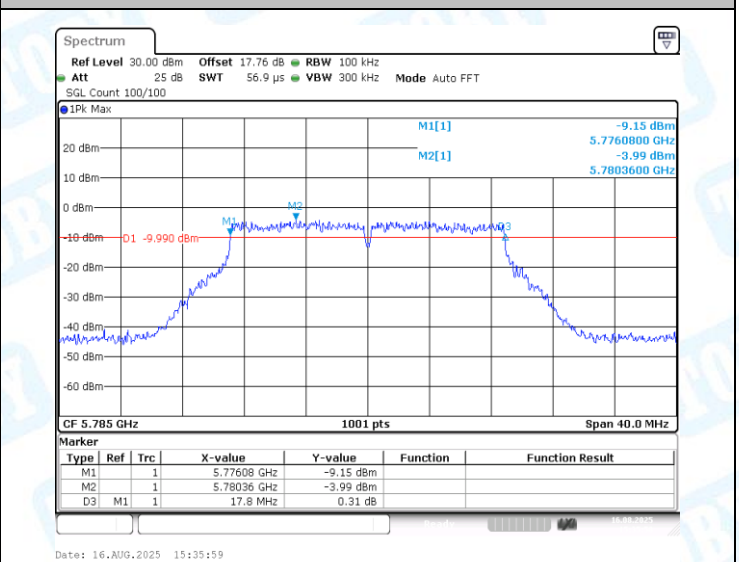
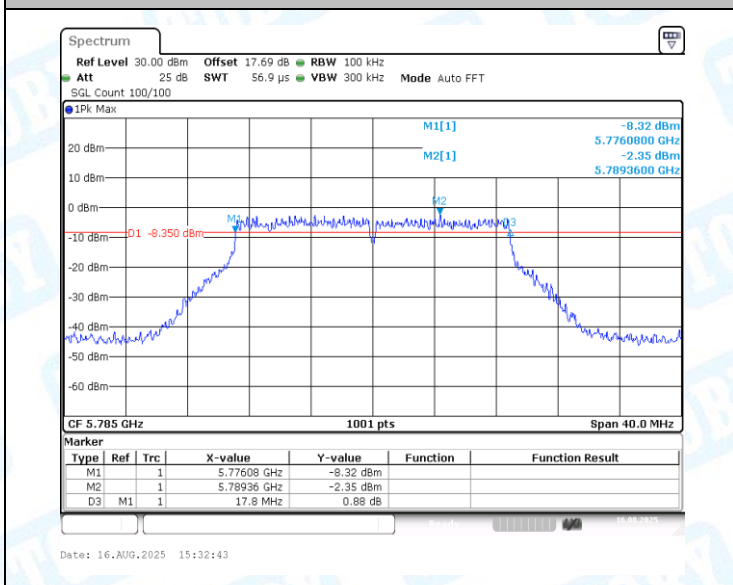
3.2 Test Graphs-B4





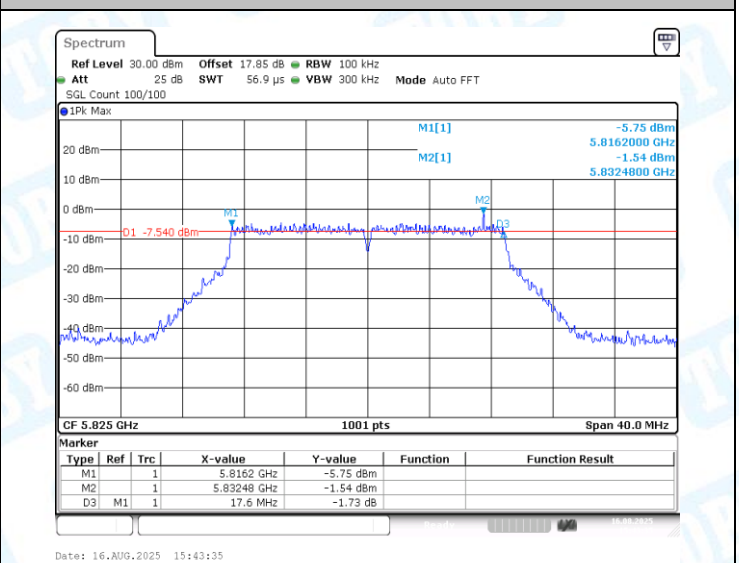
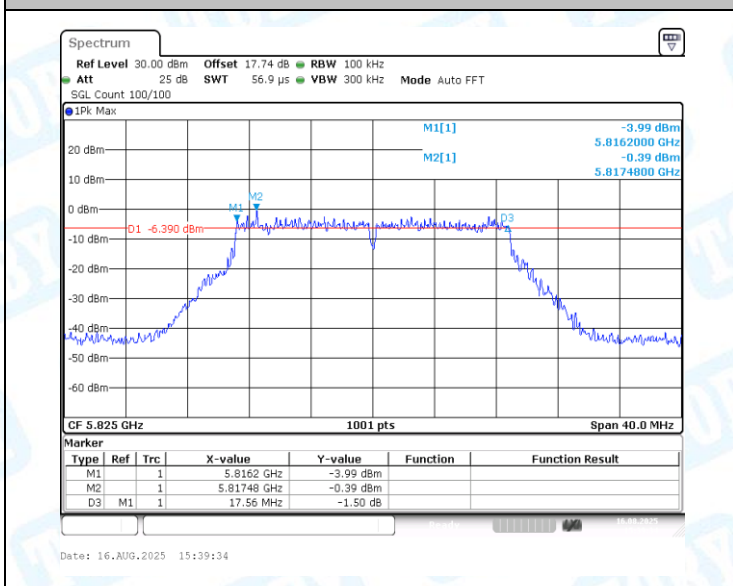
11N20MIMO-Ant1-5745-PASS

11N20MIMO-Ant2-5745-PASS



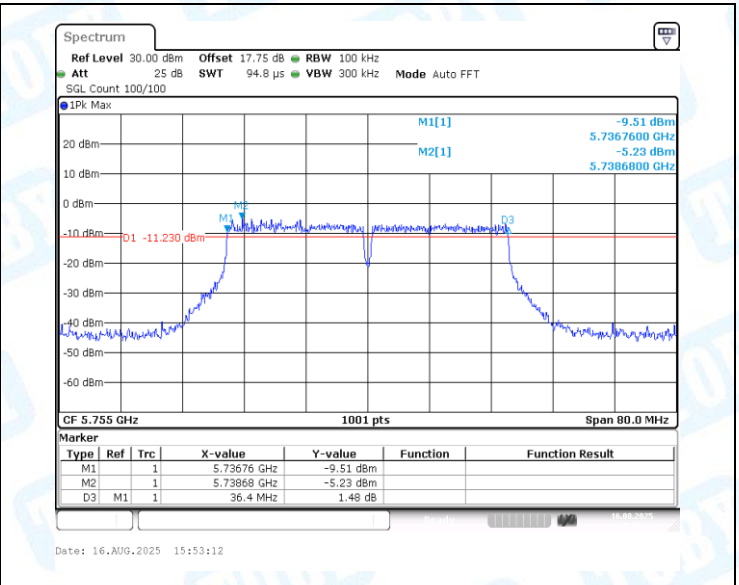
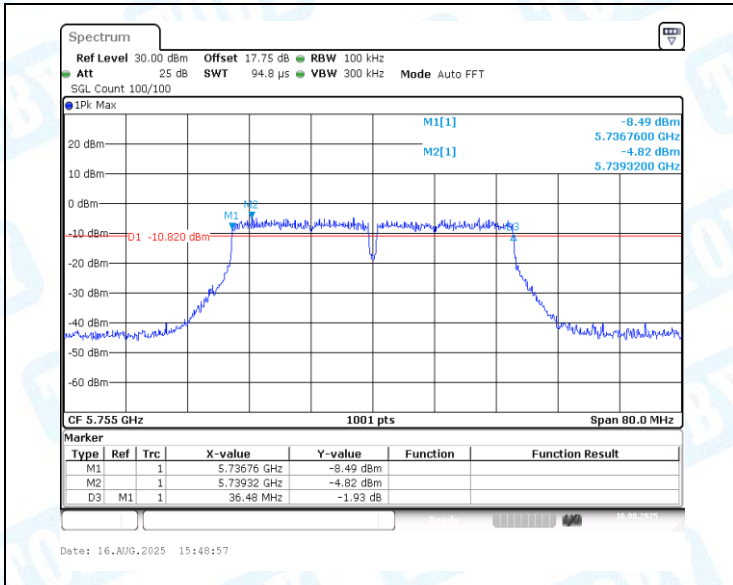
11N20MIMO-Ant1-5785-PASS

11N20MIMO-Ant2-5785-PASS



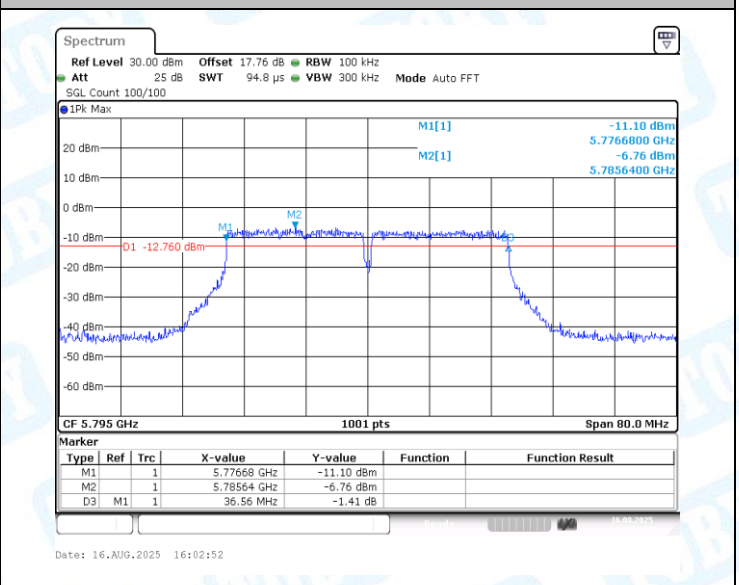
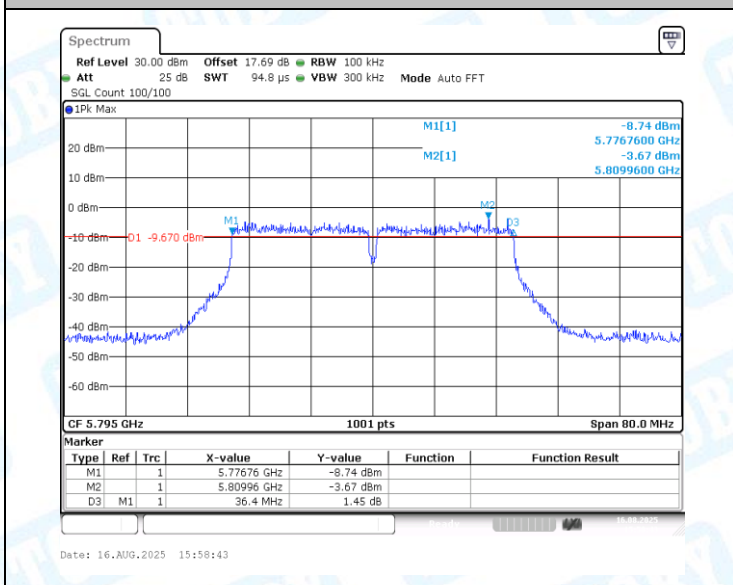
11N20MIMO-Ant1-5825-PASS

11N20MIMO-Ant2-5825-PASS



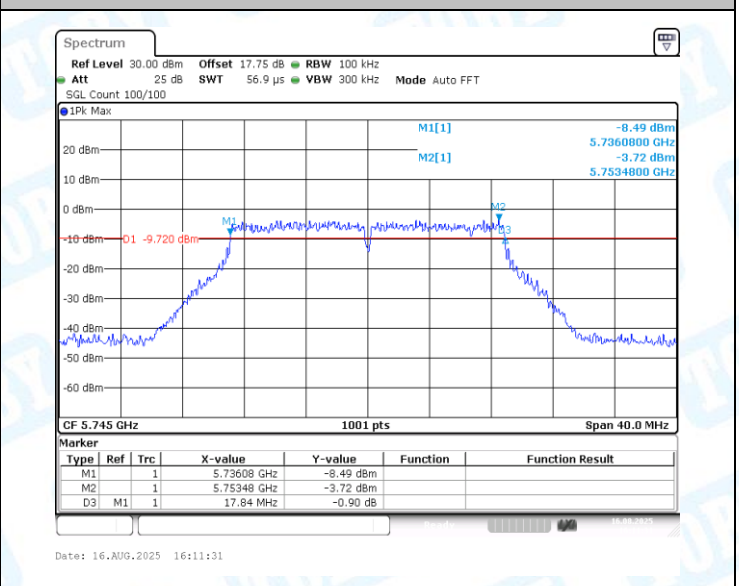
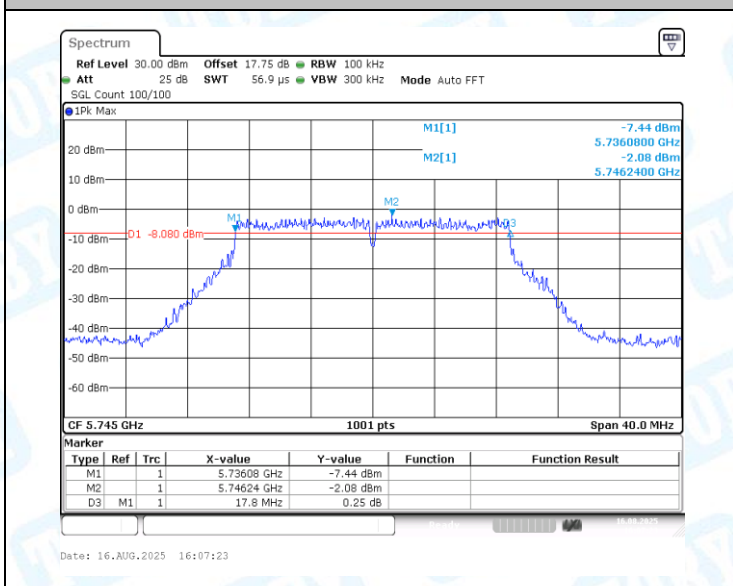
11N40MIMO-Ant1-5755-PASS

11N40MIMO-Ant2-5755-PASS



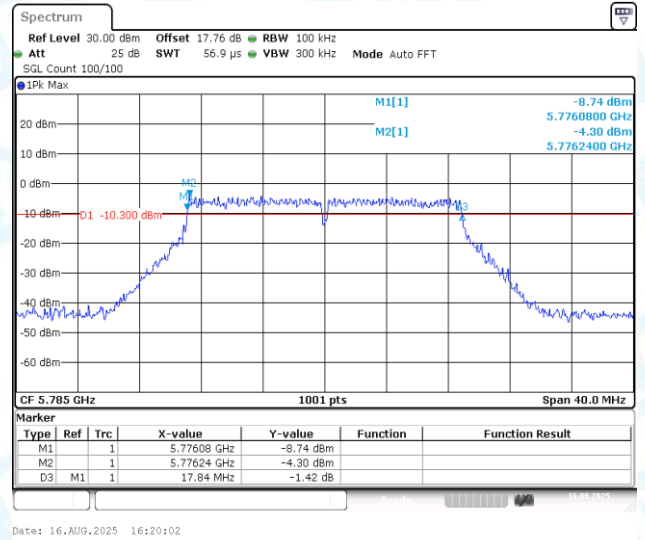
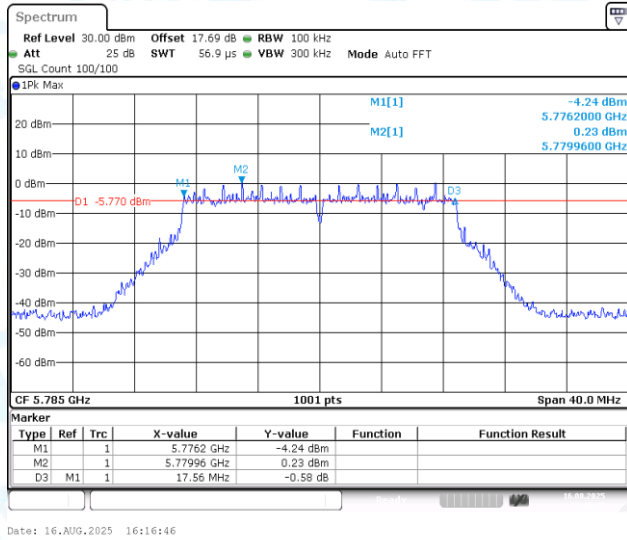
11N40MIMO-Ant1-5795-PASS

11N40MIMO-Ant2-5795-PASS



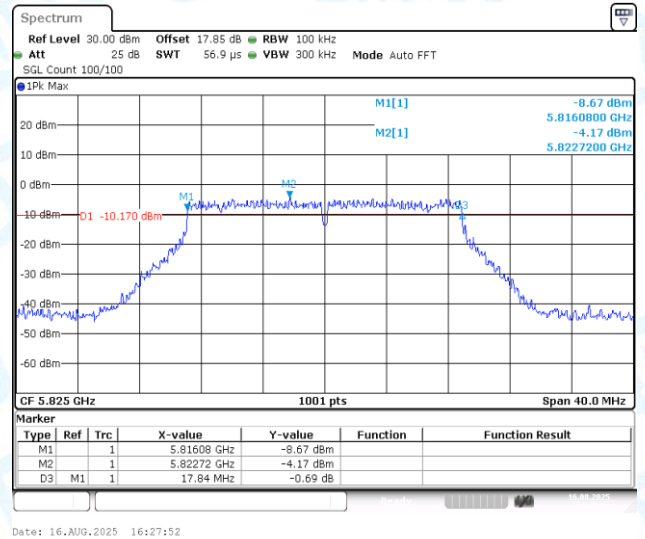
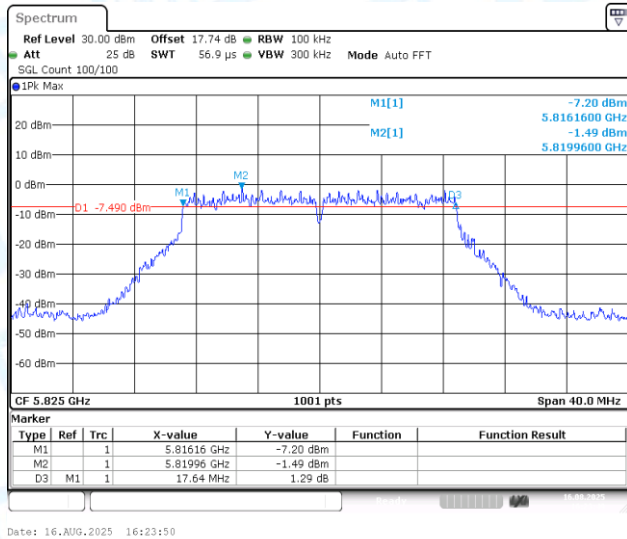
11AC20MIMO-Ant1-5745-PASS

11AC20MIMO-Ant2-5745-PASS



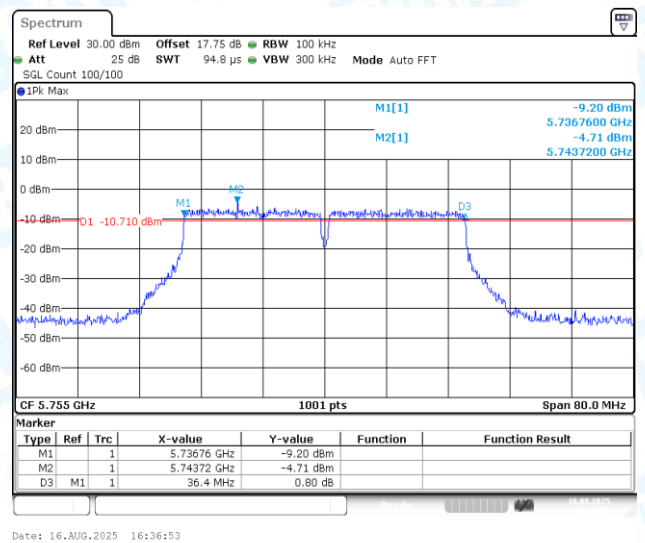
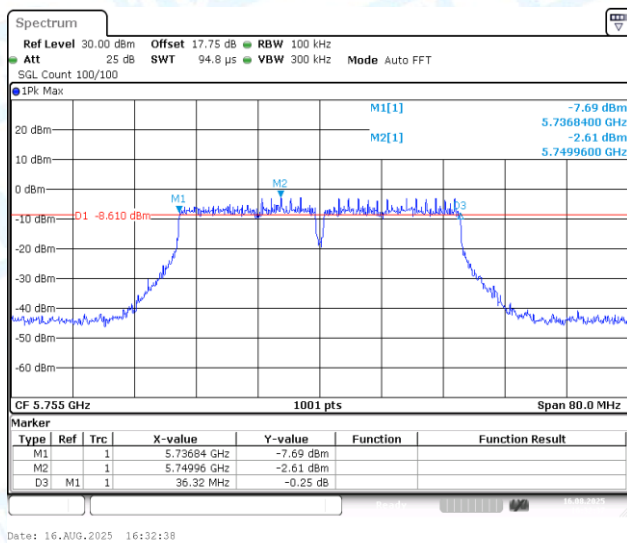
11AC20MIMO-Ant1-5785-PASS

11AC20MIMO-Ant2-5785-PASS



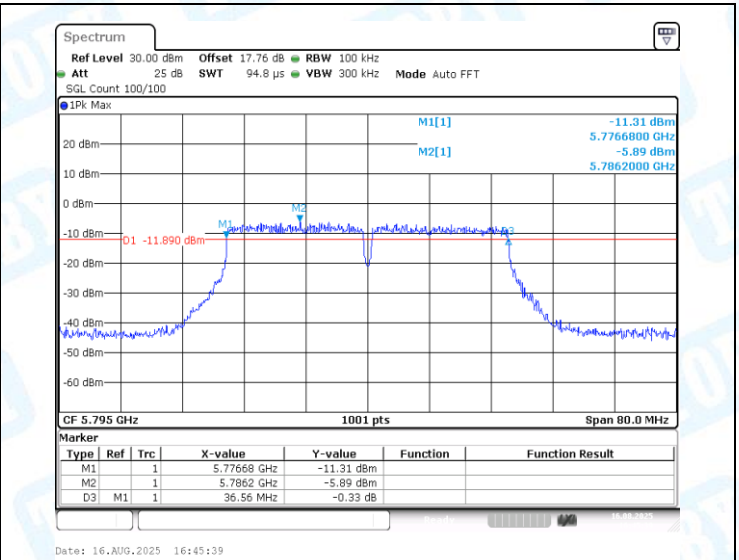
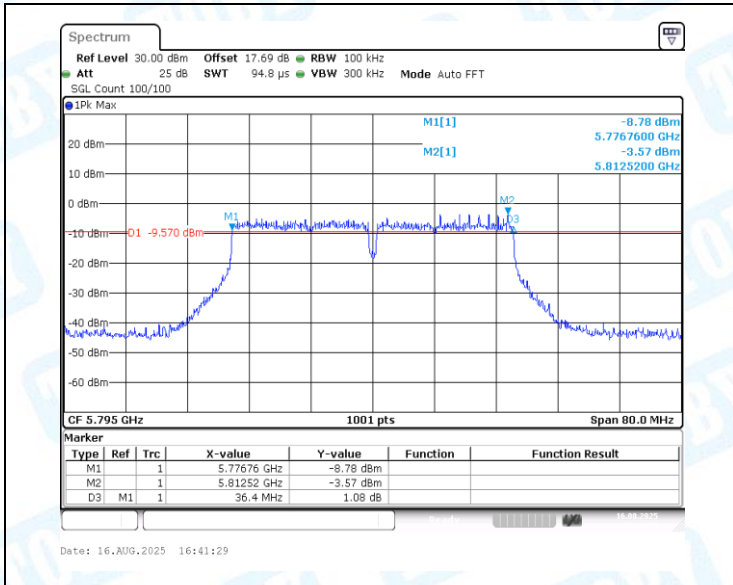
11AC20MIMO-Ant1-5825-PASS

11AC20MIMO-Ant2-5825-PASS

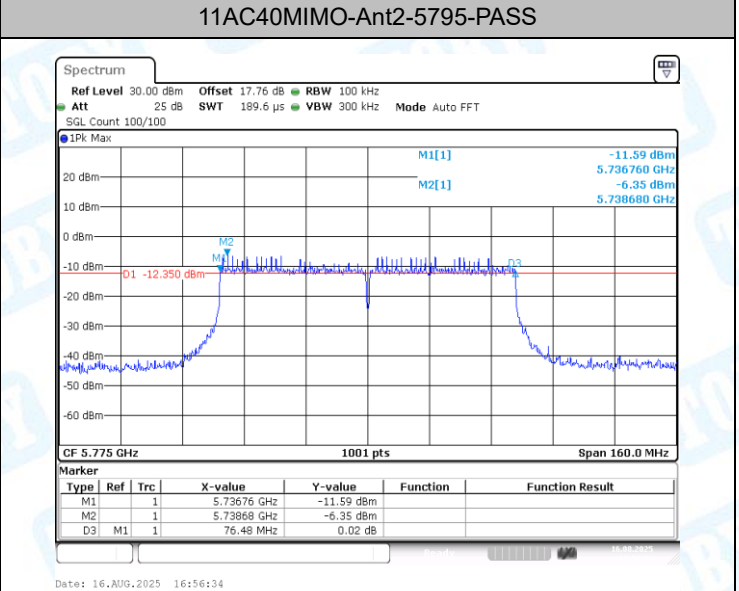
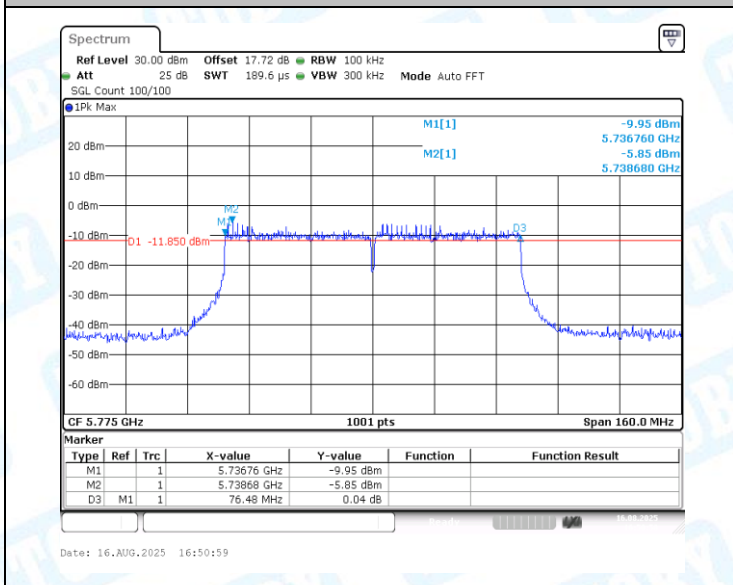


11AC40MIMO-Ant1-5755-PASS

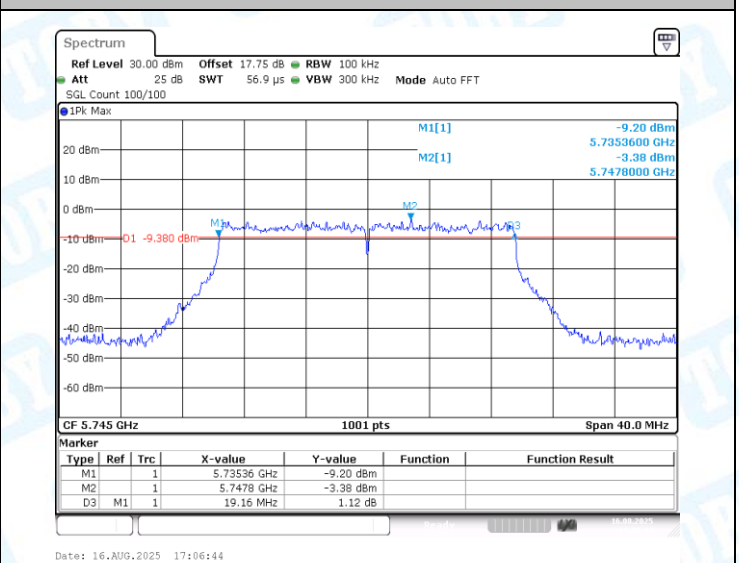
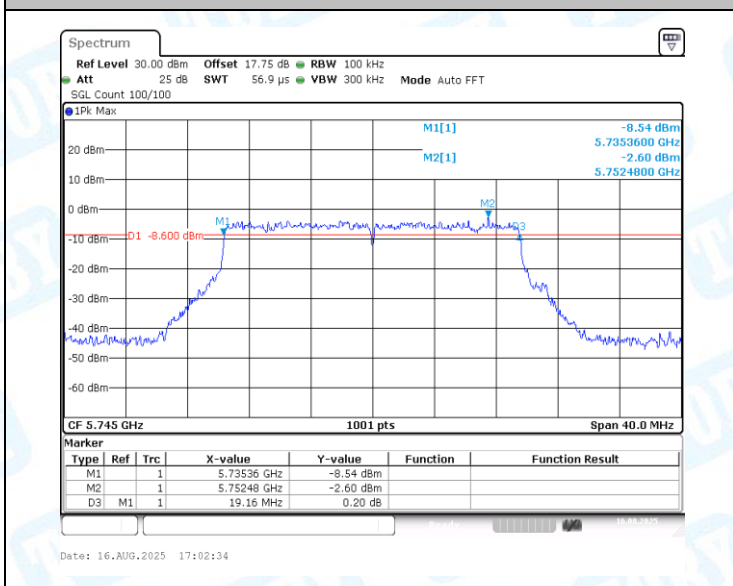
11AC40MIMO-Ant2-5755-PASS



11AC40MIMO-Ant1-5795-PASS

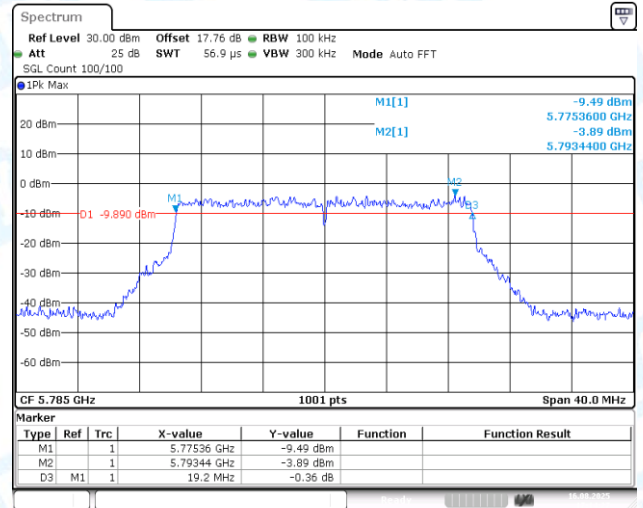
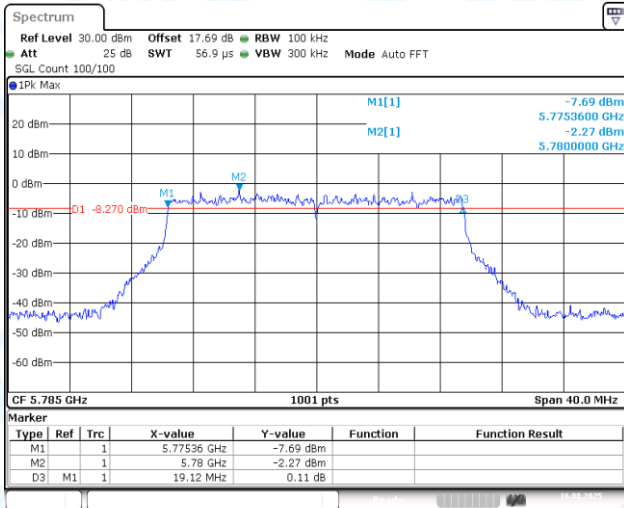


11AC80MIMO-Ant1-5775-PASS

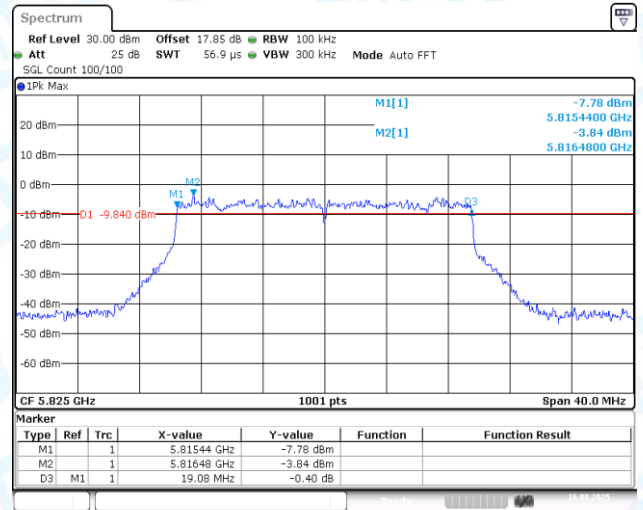
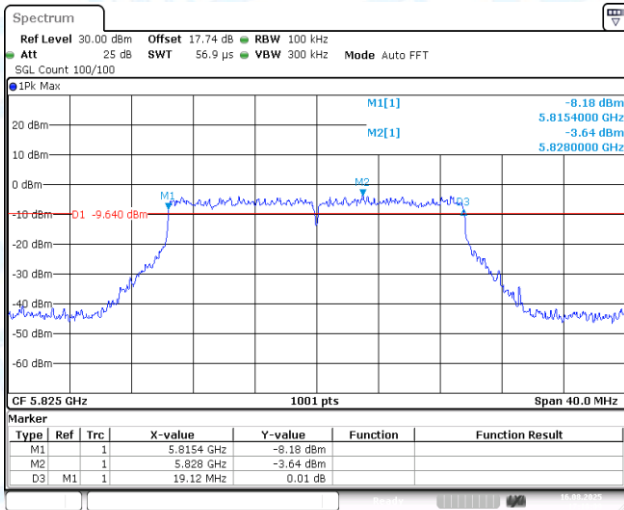


11AX20MIMO-Ant1-5745-PASS

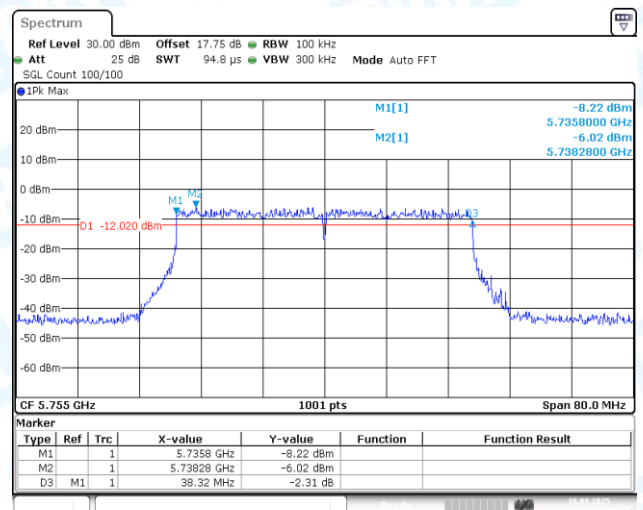
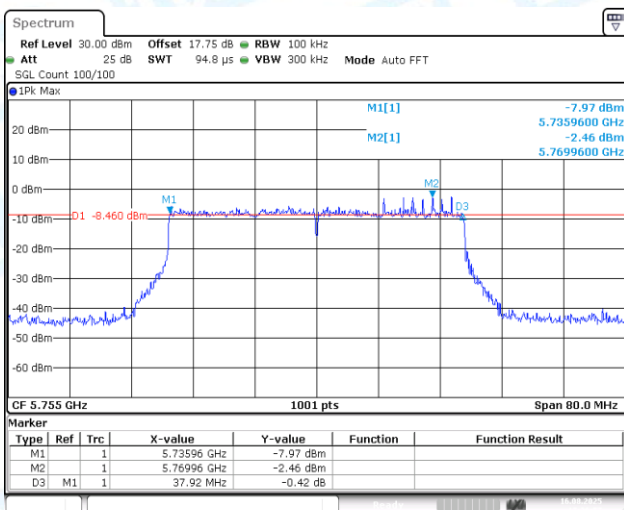
11AX20MIMO-Ant2-5745-PASS



11AX20MIMO-Ant1-5785-PASS

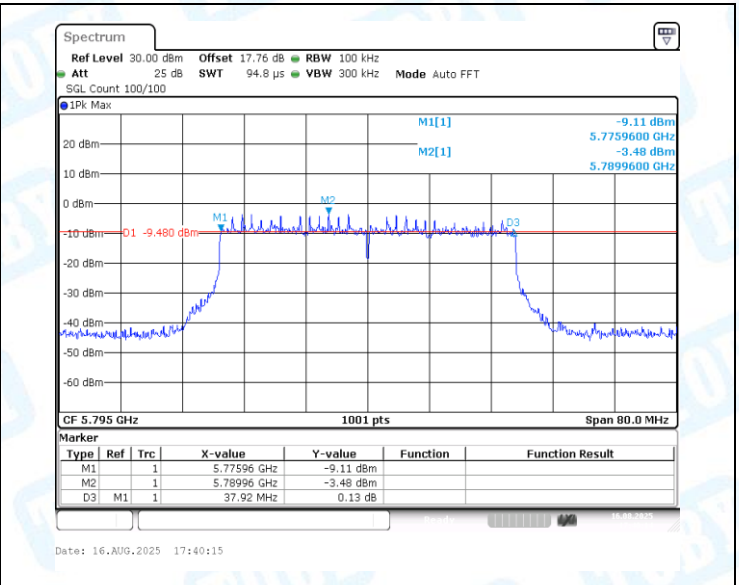
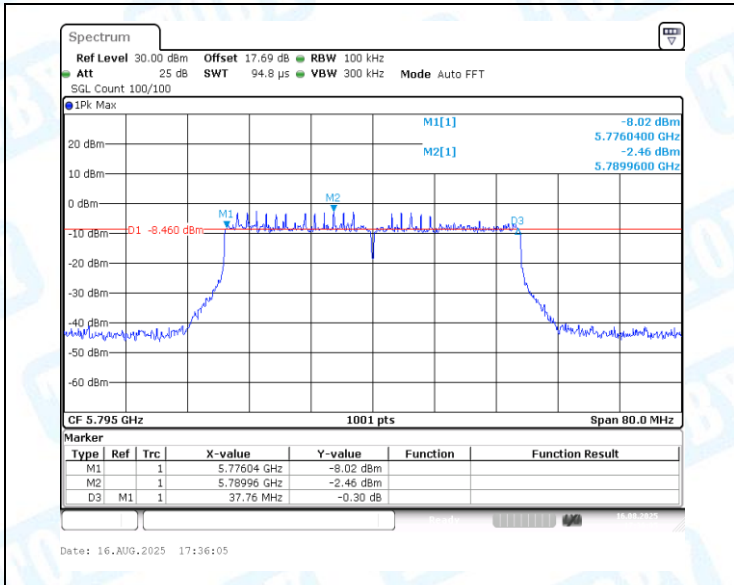


11AX20MIMO-Ant1-5825-PASS



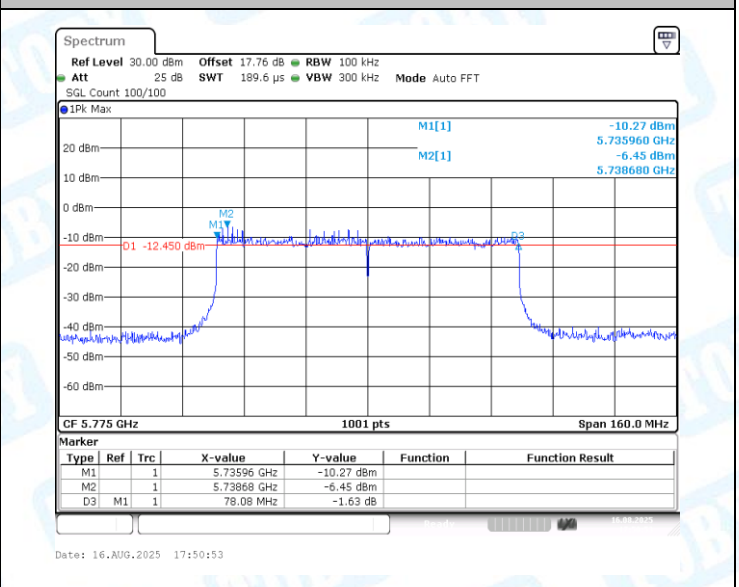
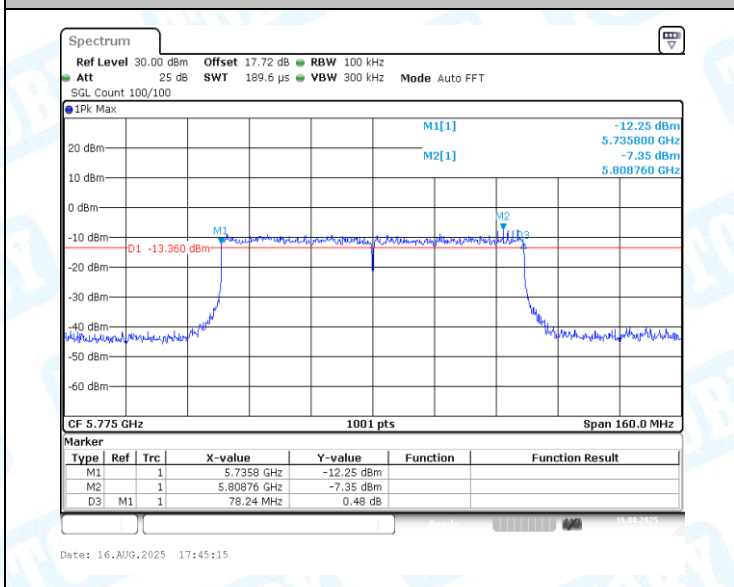
11AX40MIMO-Ant1-5755-PASS

11AX40MIMO-Ant2-5755-PASS



11AX40MIMO-Ant1-5795-PASS

11AX40MIMO-Ant2-5795-PASS



11AX80MIMO-Ant1-5775-PASS

11AX80MIMO-Ant2-5775-PASS

4: Duty Cycle

4.1 Test Result

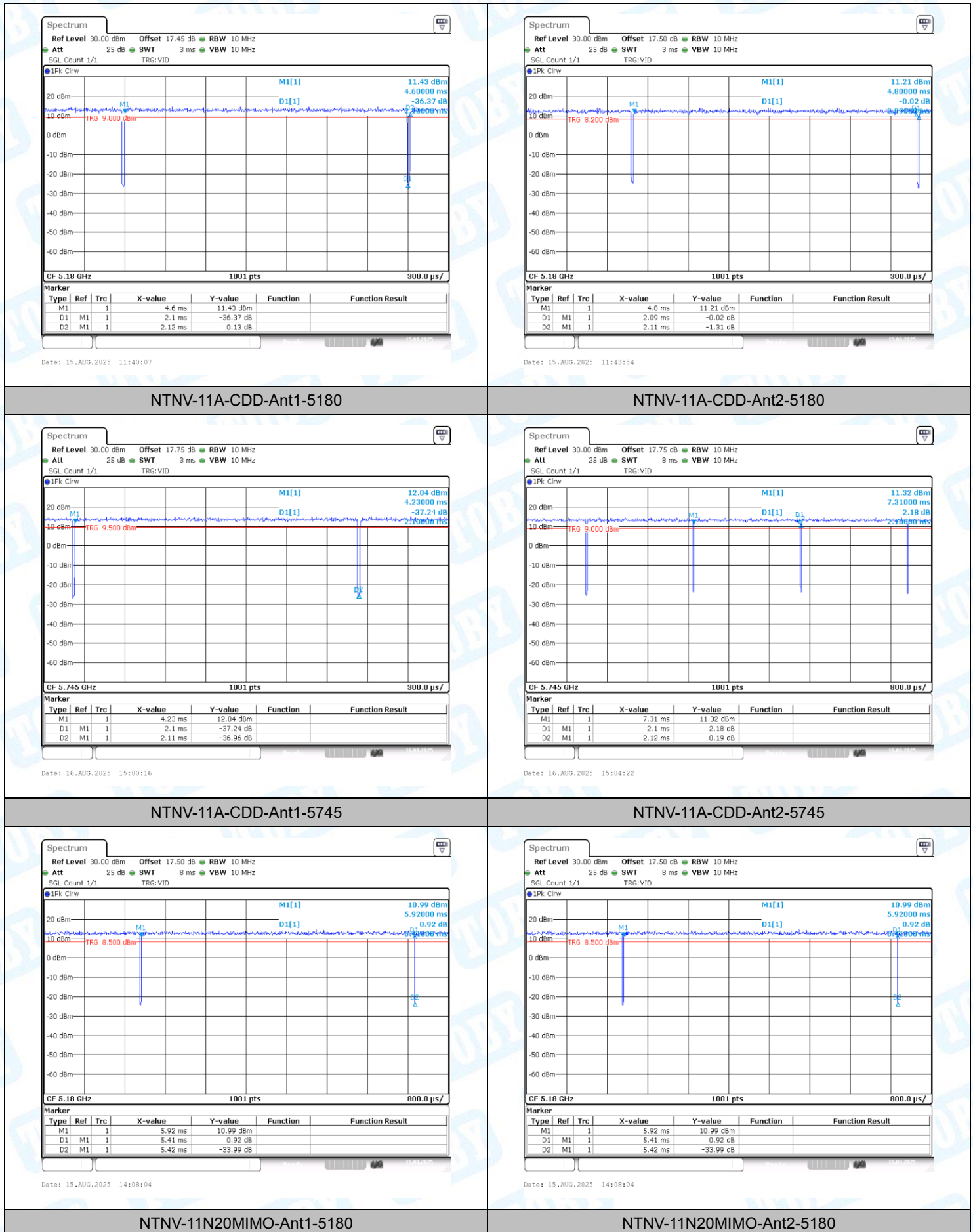
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor	1/T [kHz]
11A-CDD	Ant1	5180	2.10	2.12	99.06	0.04	0.48
11A-CDD	Ant2	5180	2.09	2.11	99.05	0.04	0.48
11A-CDD	Ant1	5745	2.10	2.11	99.53	0.02	0.48
11A-CDD	Ant2	5745	2.10	2.12	99.06	0.04	0.48
11N20MIMO	Ant1	5180	5.41	5.42	99.82	0.01	0.18
11N20MIMO	Ant2	5180	5.41	5.42	99.82	0.01	0.18
11N20MIMO	Ant1	5745	5.41	5.42	99.82	0.01	0.18
11N20MIMO	Ant2	5745	5.41	5.43	99.63	0.02	0.18
11N40MIMO	Ant1	5190	2.62	2.64	99.24	0.03	0.38
11N40MIMO	Ant2	5190	2.62	2.64	99.24	0.03	0.38
11N40MIMO	Ant1	5755	4.72	4.75	99.37	0.03	0.21
11N40MIMO	Ant2	5755	4.73	4.75	99.58	0.02	0.21
11AC20MIMO	Ant1	5180	5.09	5.11	99.61	0.02	0.20
11AC20MIMO	Ant2	5180	5.09	5.11	99.61	0.02	0.20
11AC20MIMO	Ant1	5745	5.10	5.11	99.80	0.01	0.20
11AC20MIMO	Ant2	5745	5.10	5.12	99.61	0.02	0.20
11AC40MIMO	Ant1	5190	2.62	2.64	99.24	0.03	0.38
11AC40MIMO	Ant2	5190	2.62	2.64	99.24	0.03	0.38
11AC40MIMO	Ant1	5755	2.62	2.64	99.24	0.03	0.38
11AC40MIMO	Ant2	5755	2.62	2.64	99.24	0.03	0.38
11AC80MIMO	Ant1	5210	1.38	1.40	98.57	0.06	0.72
11AC80MIMO	Ant2	5210	1.38	1.40	98.57	0.06	0.72
11AC80MIMO	Ant1	5775	1.38	1.39	99.28	0.03	0.72
11AC80MIMO	Ant2	5775	1.37	1.39	98.56	0.06	0.73
11AX20MIMO	Ant1	5180	5.40	5.42	99.63	0.02	0.19
11AX20MIMO	Ant2	5180	5.39	5.42	99.45	0.02	0.19
11AX20MIMO	Ant1	5745	5.40	5.43	99.45	0.02	0.19
11AX20MIMO	Ant2	5745	5.40	5.43	99.45	0.02	0.19
11AX40MIMO	Ant1	5190	3.62	3.65	99.18	0.04	0.28
11AX40MIMO	Ant2	5190	3.63	3.64	99.73	0.01	0.28
11AX40MIMO	Ant1	5755	3.63	3.65	99.45	0.02	0.28
11AX40MIMO	Ant2	5755	3.63	3.65	99.45	0.02	0.28
11AX80MIMO	Ant1	5210	2.67	2.68	99.63	0.02	0.37
11AX80MIMO	Ant2	5210	2.68	2.70	99.26	0.03	0.37
11AX80MIMO	Ant1	5775	2.67	2.70	98.89	0.05	0.37
11AX80MIMO	Ant2	5775	2.67	2.69	99.26	0.03	0.37

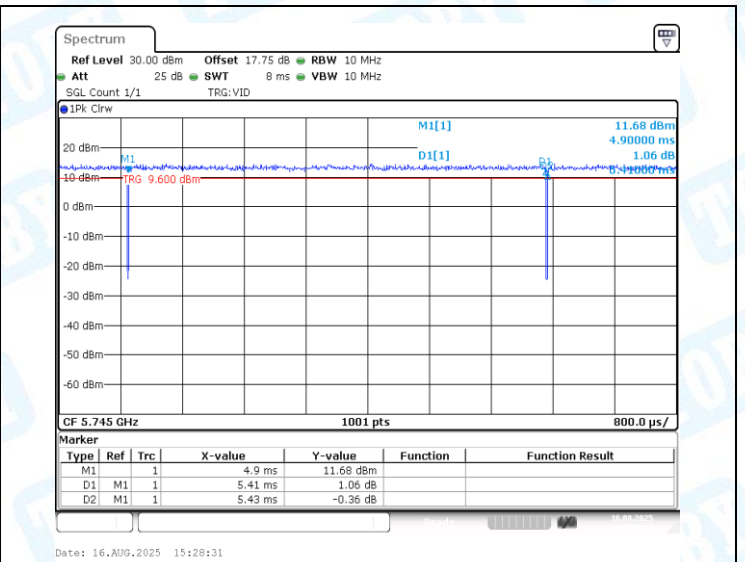
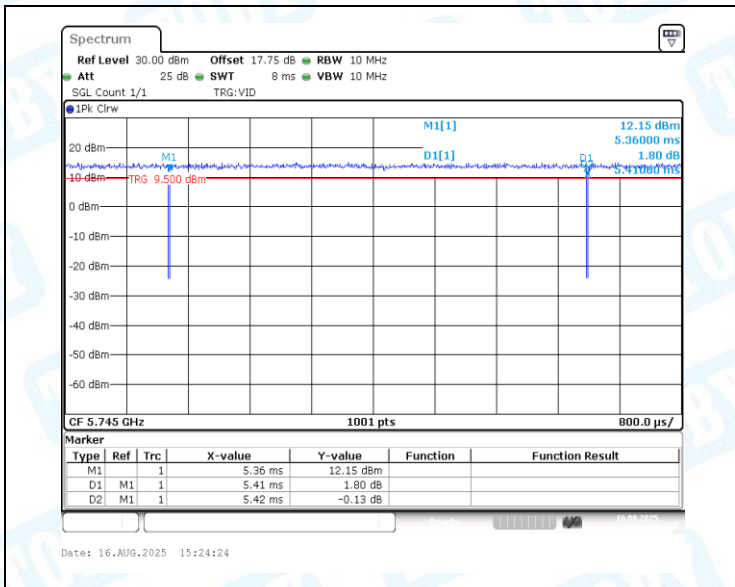
Note: 1, Duty Cycle= Transmission Duration/ Transmission Period

2, DC Factor= $10 \cdot \log_{10}(1/\text{Duty Cycle})$

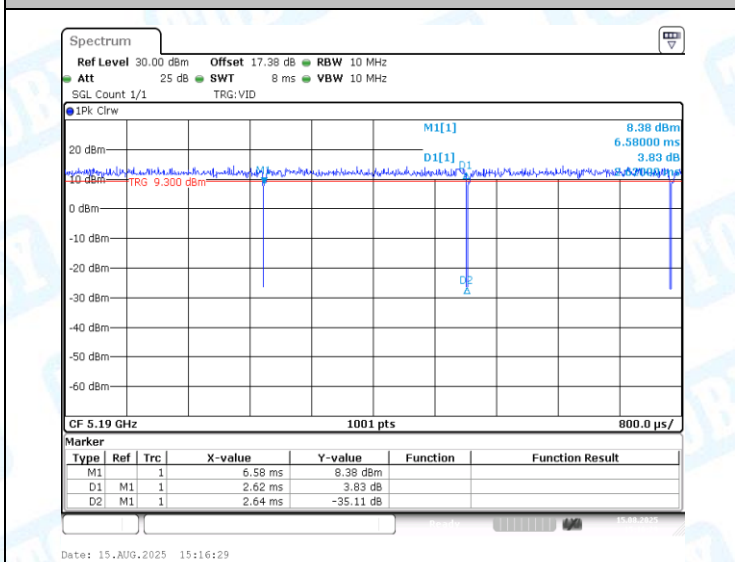
3, $1/T=1/\text{Transmission Duration}$

4.2 Test Graphs

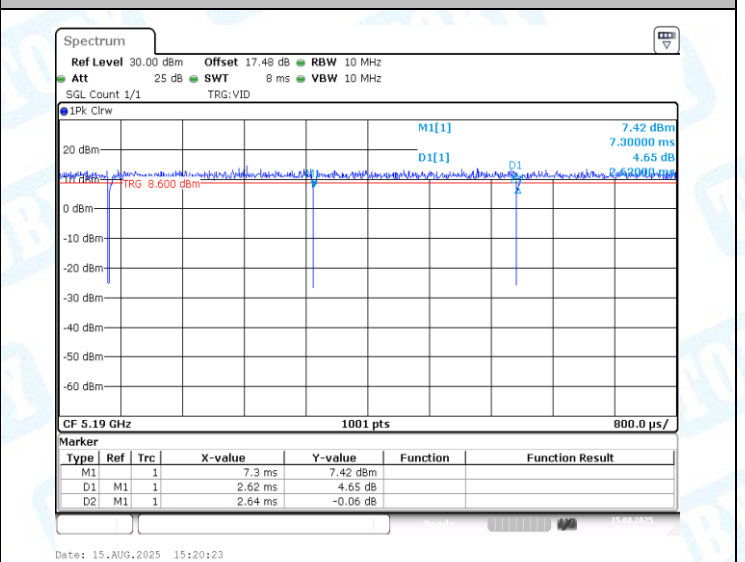




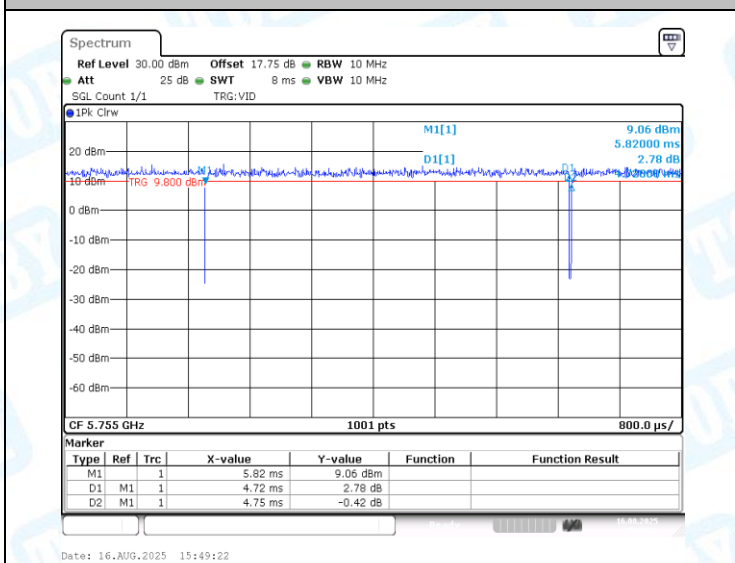
NTNV-11N20MIMO-Ant1-5745



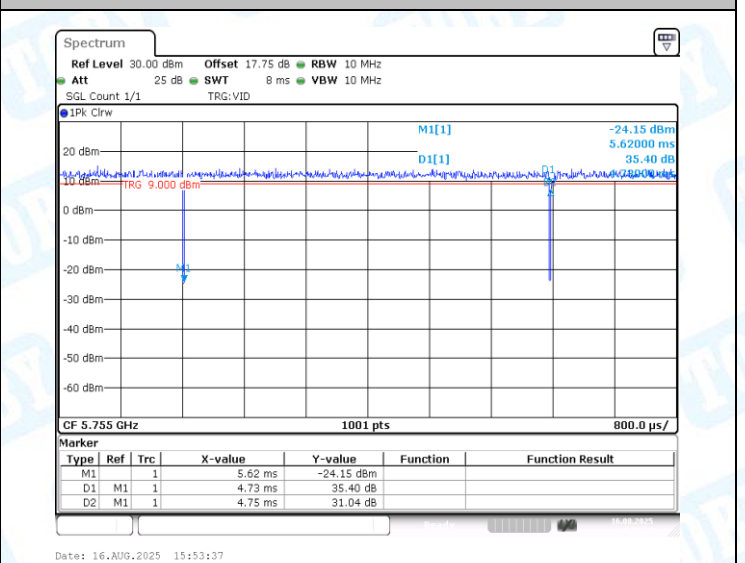
NTNV-11N20MIMO-Ant2-5745



NTNV-11N40MIMO-Ant1-5190

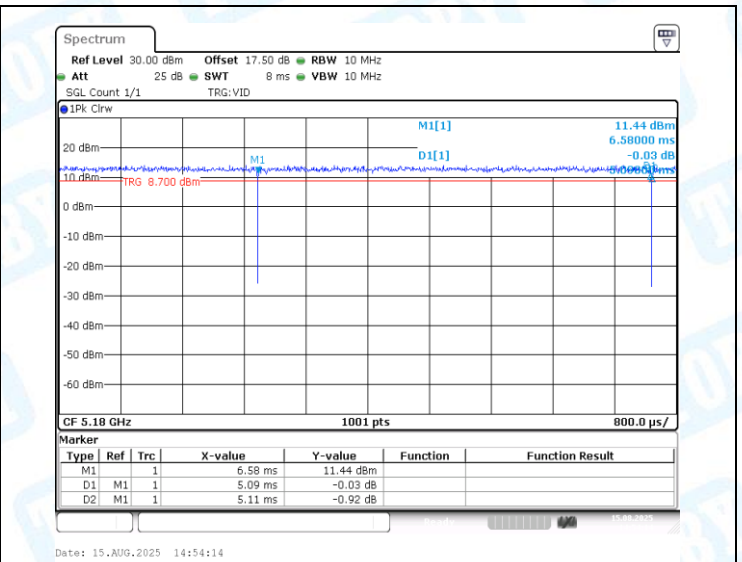
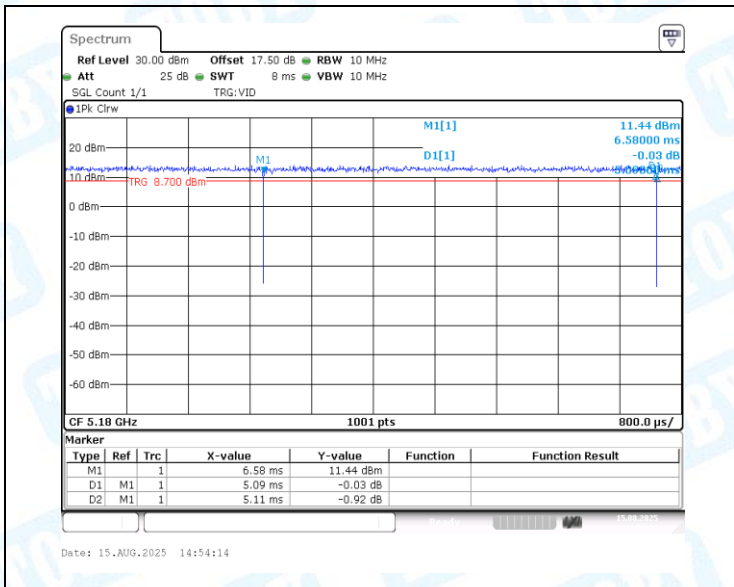


NTNV-11N40MIMO-Ant2-5190

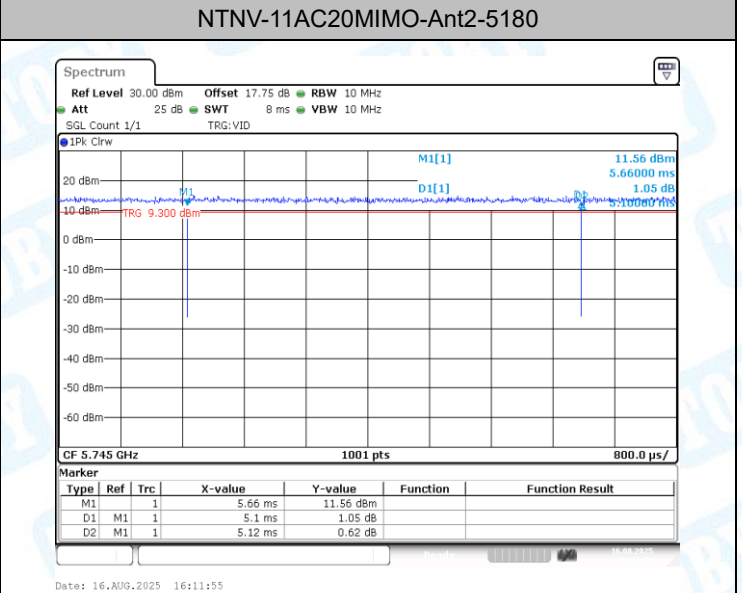
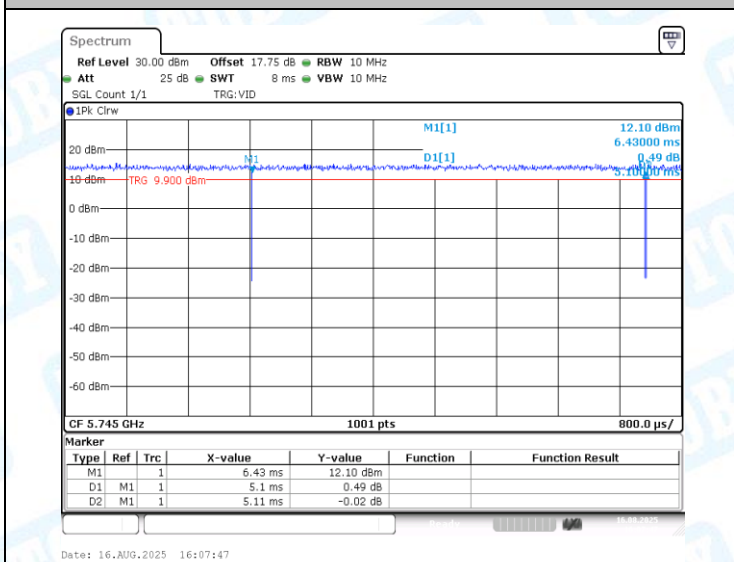


NTNV-11N40MIMO-Ant1-5755

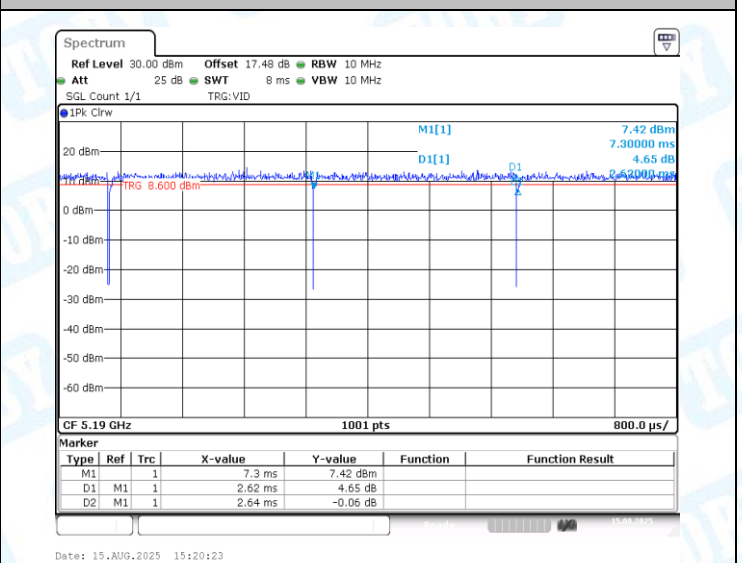
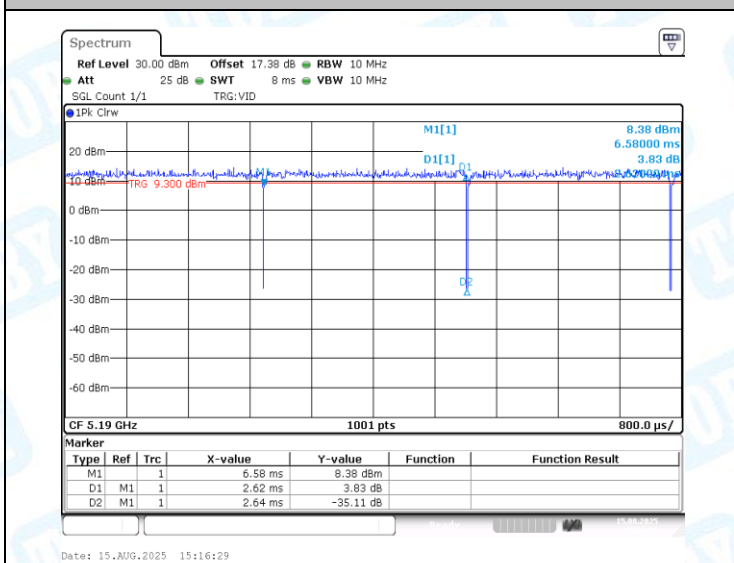
NTNV-11N40MIMO-Ant2-5755



NTVN-11AC20MIMO-Ant1-5180

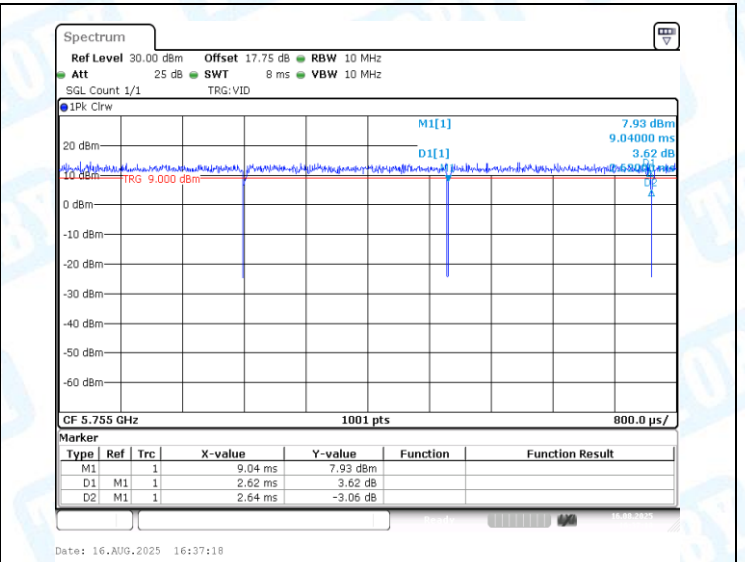
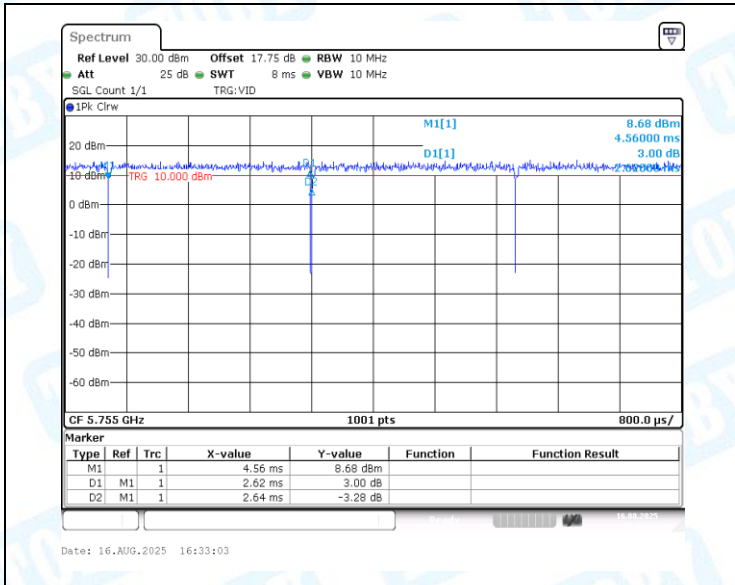


NTVN-11AC20MIMO-Ant1-5745

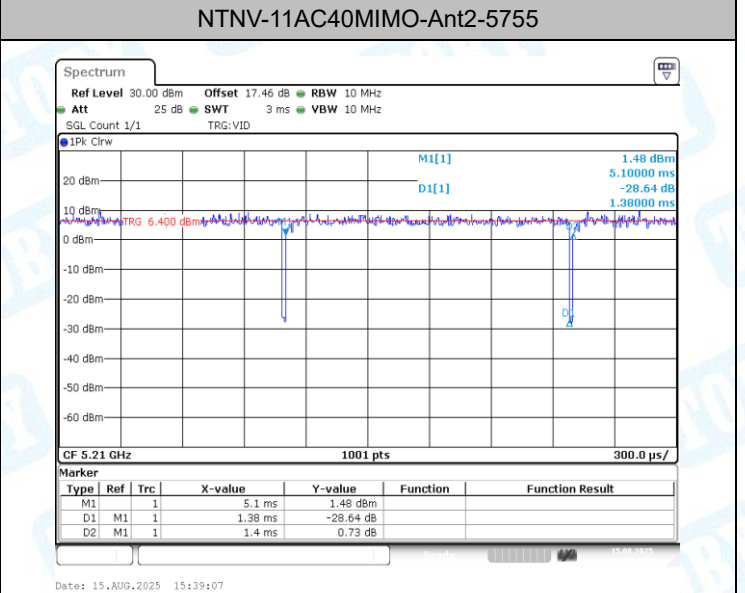
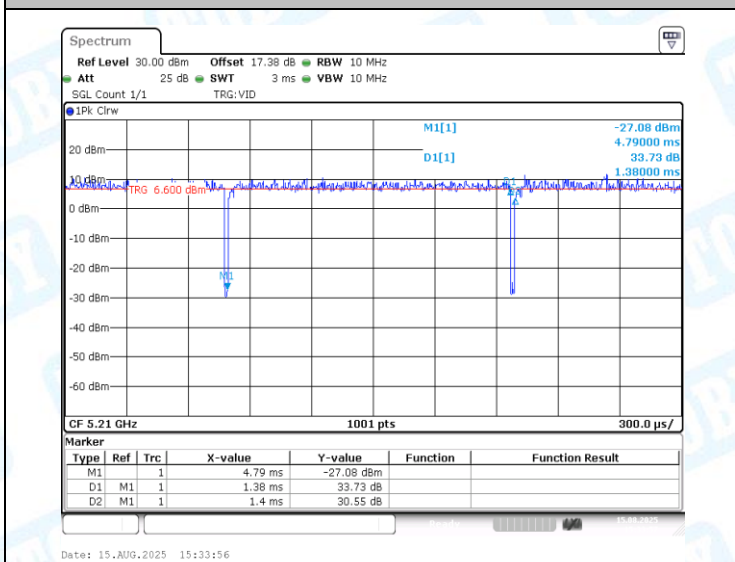


NTVN-11AC40MIMO-Ant1-5190

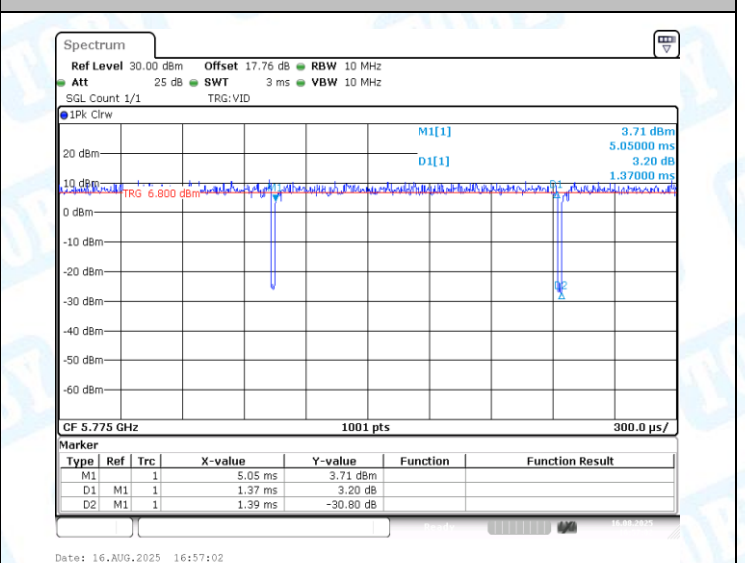
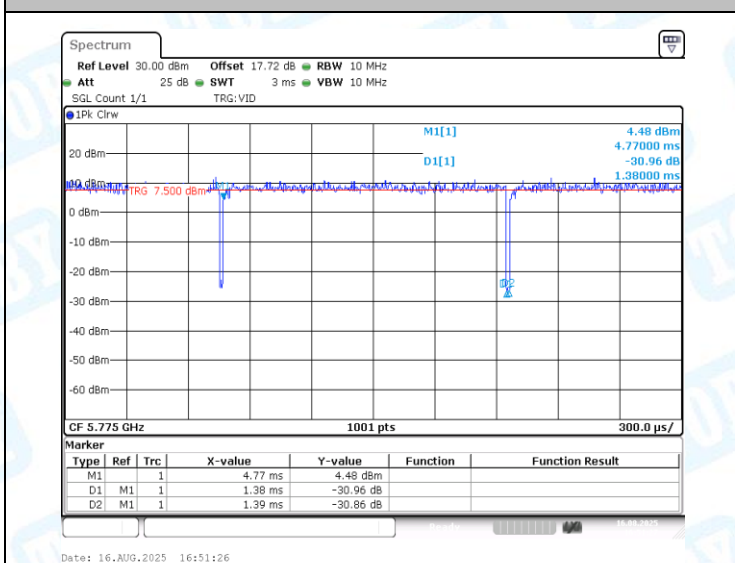
NTVN-11AC40MIMO-Ant2-5190



NTVN-11AC40MIMO-Ant1-5755

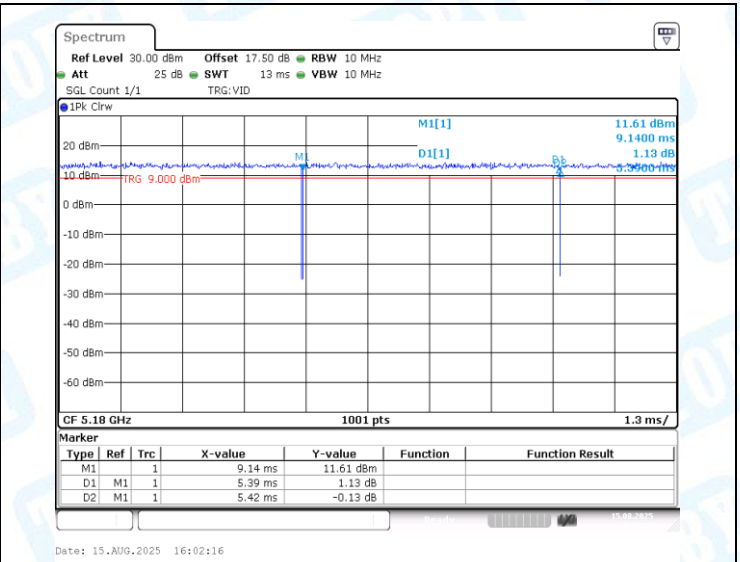
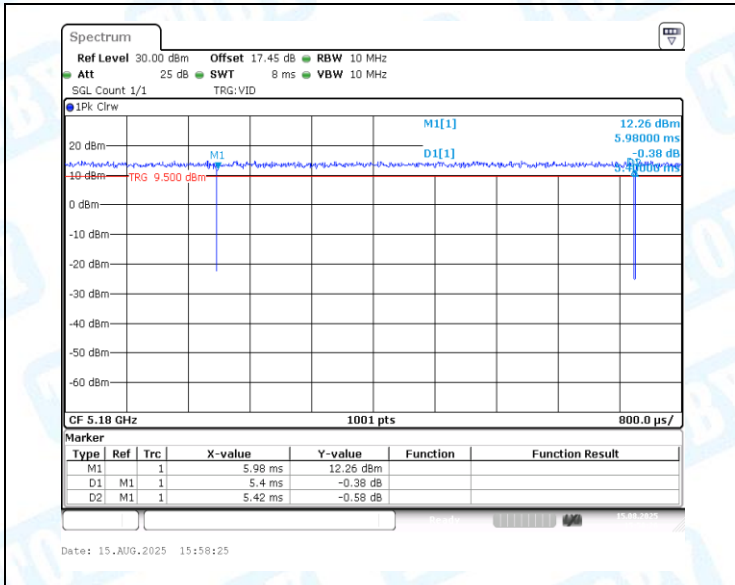


NTVN-11AC80MIMO-Ant1-5210

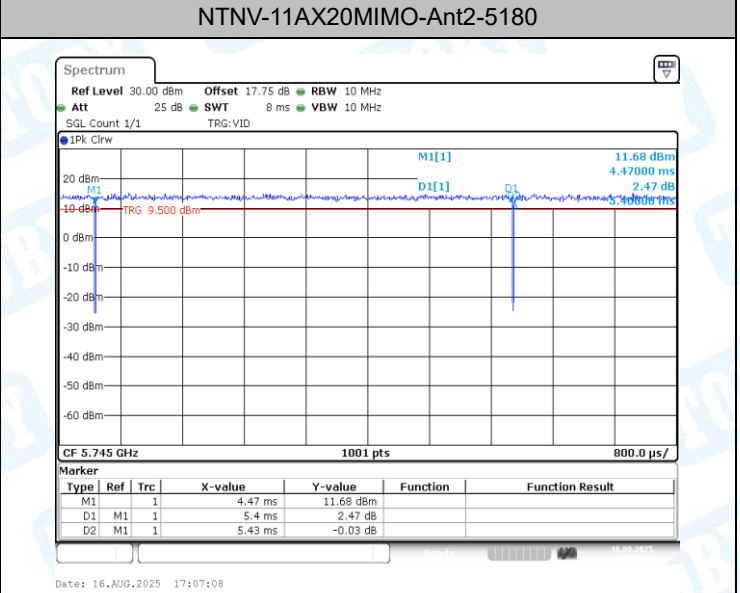
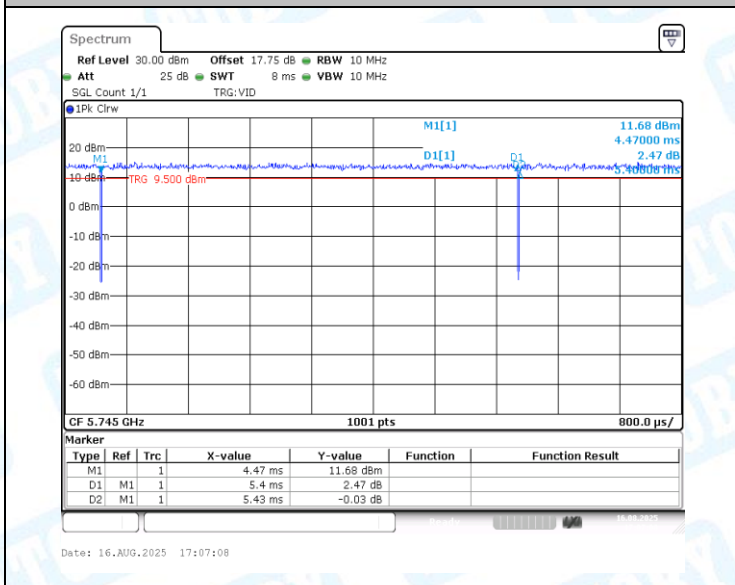


NTVN-11AC80MIMO-Ant1-5775

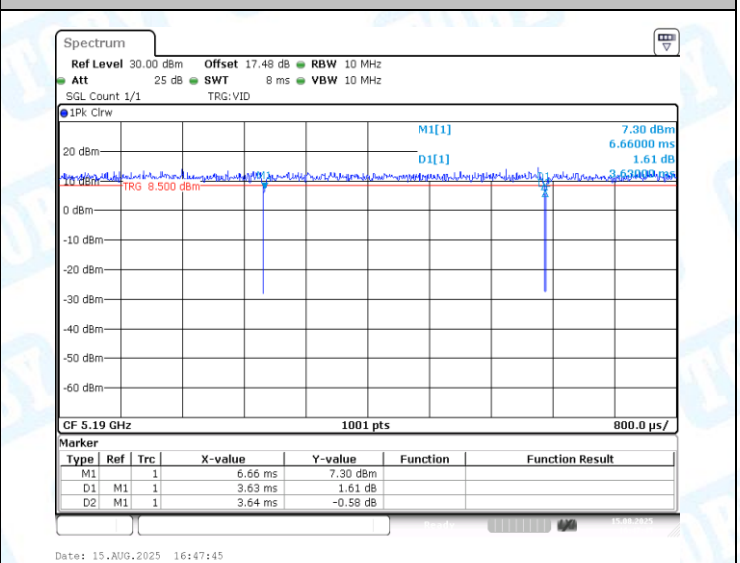
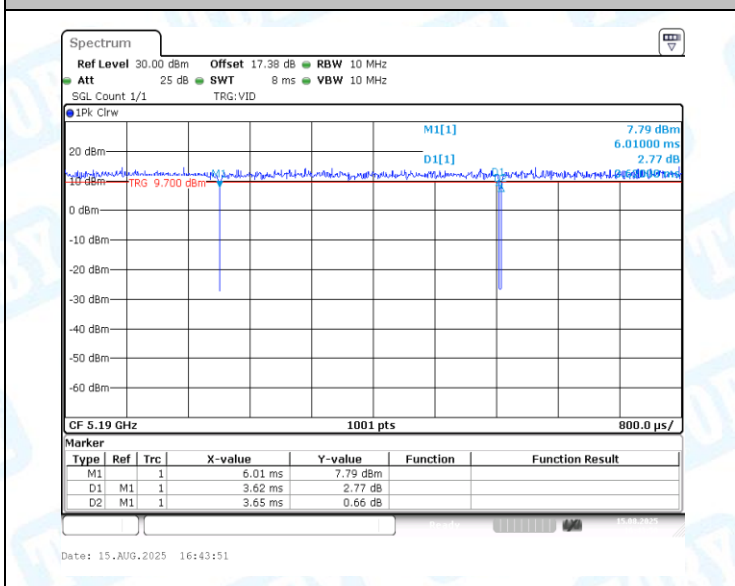
NTVN-11AC80MIMO-Ant2-5775



NTVN-11AX20MIMO-Ant1-5180

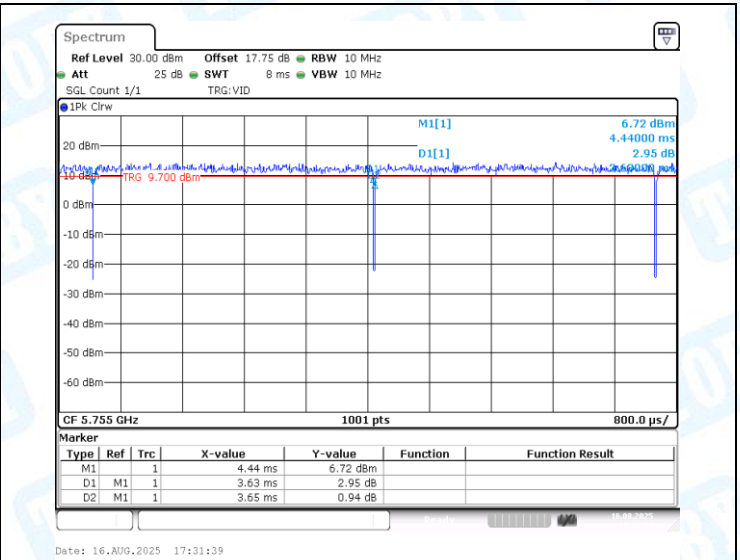
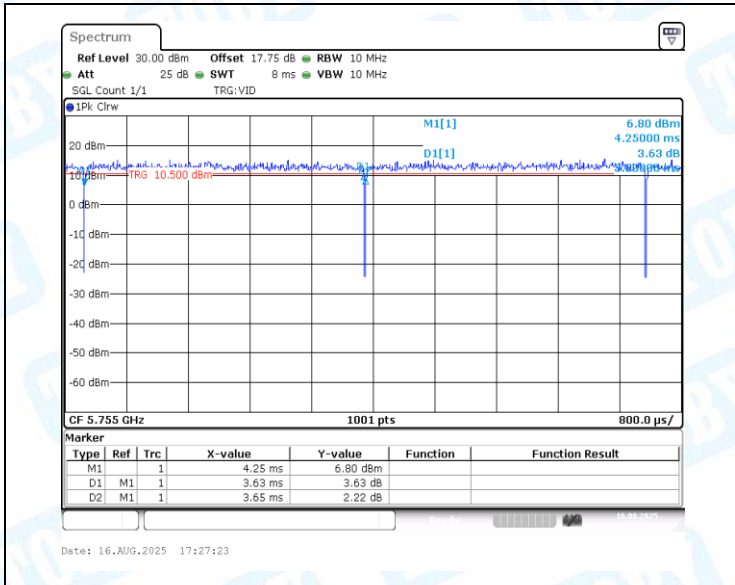


NTVN-11AX20MIMO-Ant1-5745

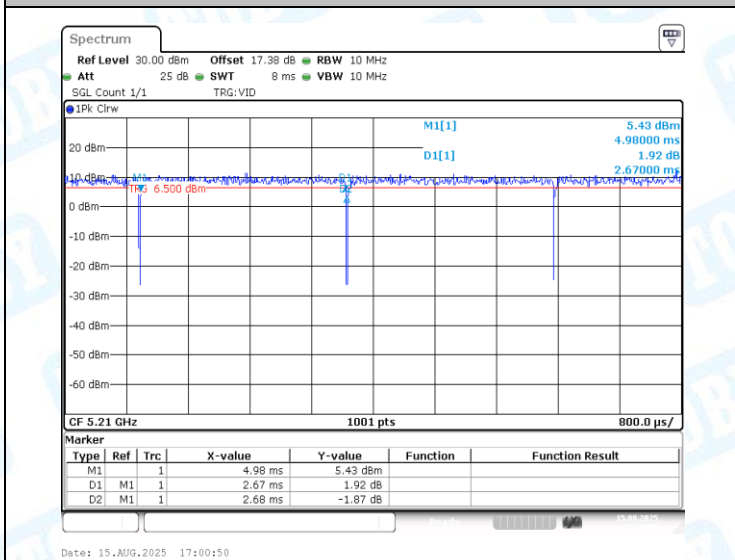


NTVN-11AX40MIMO-Ant1-5190

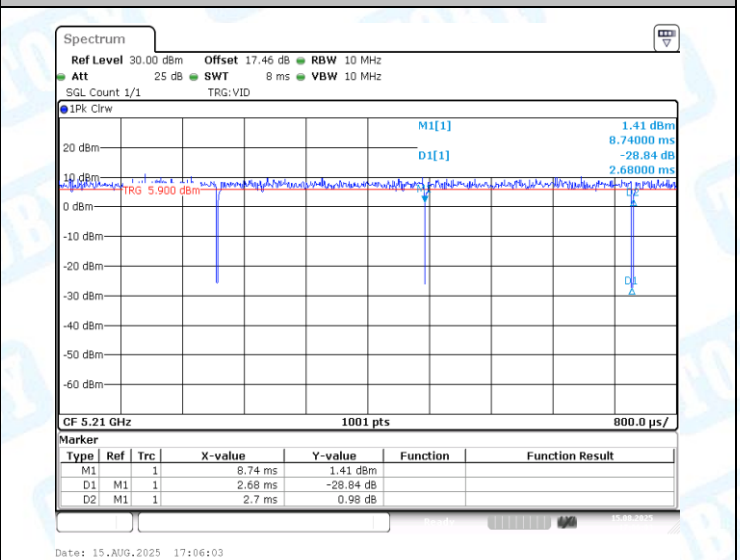
NTVN-11AX40MIMO-Ant2-5190



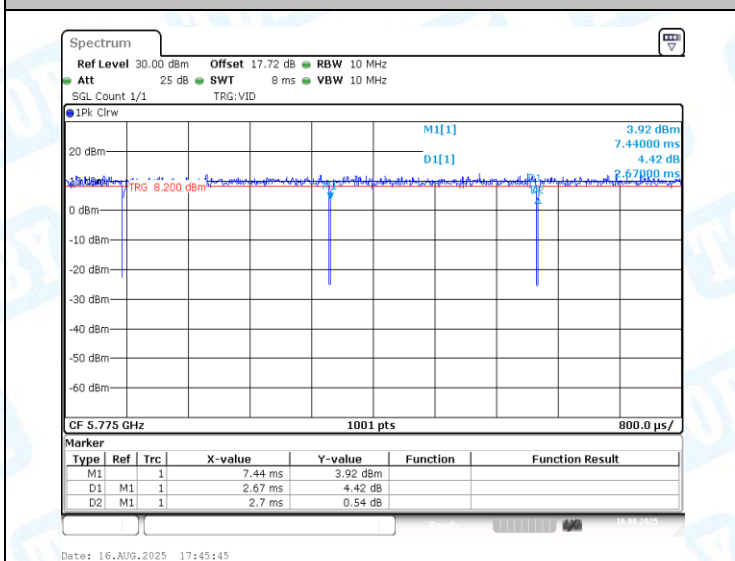
NTVN-11AX40MIMO-Ant1-5755



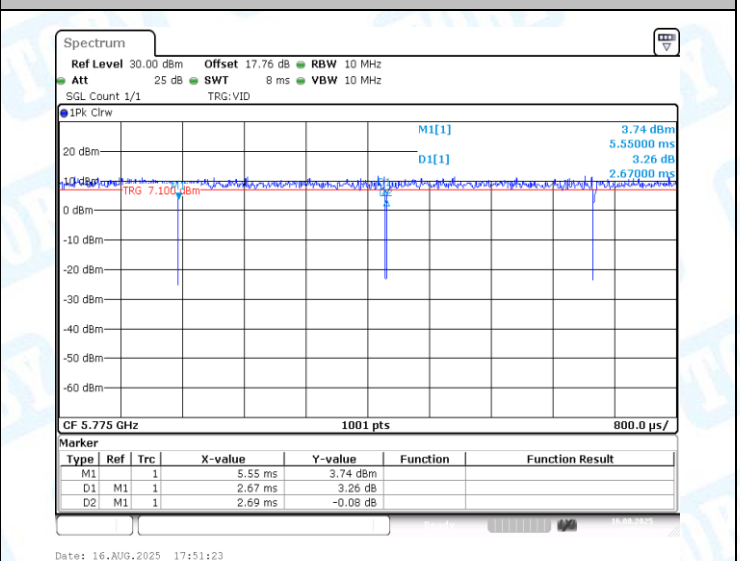
NTVN-11AX40MIMO-Ant2-5755



NTNV-11AX80MIMO-Ant1-5210



NTNV-11AX80MIMO-Ant2-5210



NTNV-11AX80MIMO-Ant1-5775

NTNV-11AX80MIMO-Ant2-5775

5: Maximum conducted output power

5.1 Test Result

TestMode	Antenna	Frequency [MHz]	Raw Power [dBm]	DC Factor	Result [dBm]	Limit[dBm]	Verdict
11A-CDD	Ant1	5180	9.91	0.04	9.95	≤23.98	PASS
11A-CDD	Ant2	5180	9.63	0.04	9.67	≤23.98	PASS
11A-CDD	total	5180	---	---	12.82	≤23.98	PASS
11A-CDD	Ant1	5200	9.79	0.04	9.83	≤23.98	PASS
11A-CDD	Ant2	5200	8.62	0.04	8.66	≤23.98	PASS
11A-CDD	total	5200	---	---	12.29	≤23.98	PASS
11A-CDD	Ant1	5240	9.98	0.04	10.02	≤23.98	PASS
11A-CDD	Ant2	5240	9.40	0.04	9.44	≤23.98	PASS
11A-CDD	total	5240	---	---	12.75	≤23.98	PASS
11A-CDD	Ant1	5745	10.45	0.02	10.47	≤30.00	PASS
11A-CDD	Ant2	5745	10.26	0.04	10.30	≤30.00	PASS
11A-CDD	total	5745	---	---	13.40	≤29.73	PASS
11A-CDD	Ant1	5785	10.65	0.02	10.67	≤30.00	PASS
11A-CDD	Ant2	5785	9.78	0.04	9.82	≤30.00	PASS
11A-CDD	total	5785	---	---	13.28	≤29.73	PASS
11A-CDD	Ant1	5825	10.22	0.02	10.24	≤30.00	PASS
11A-CDD	Ant2	5825	9.36	0.04	9.40	≤30.00	PASS
11A-CDD	total	5825	---	---	12.85	≤29.73	PASS
11N20MIMO	Ant1	5180	9.63	0.01	9.64	≤23.98	PASS
11N20MIMO	Ant2	5180	9.21	0.01	9.22	≤23.98	PASS
11N20MIMO	total	5180	---	---	12.44	≤23.98	PASS
11N20MIMO	Ant1	5200	9.46	0.01	9.47	≤23.98	PASS
11N20MIMO	Ant2	5200	8.48	0.01	8.49	≤23.98	PASS
11N20MIMO	total	5200	---	---	12.01	≤23.98	PASS
11N20MIMO	Ant1	5240	9.49	0.01	9.50	≤23.98	PASS
11N20MIMO	Ant2	5240	9.08	0.01	9.09	≤23.98	PASS
11N20MIMO	total	5240	---	---	12.30	≤23.98	PASS
11N20MIMO	Ant1	5745	10.16	0.01	10.17	≤30.00	PASS
11N20MIMO	Ant2	5745	9.84	0.02	9.86	≤30.00	PASS
11N20MIMO	total	5745	---	---	13.03	≤29.73	PASS
11N20MIMO	Ant1	5785	10.08	0.01	10.09	≤30.00	PASS
11N20MIMO	Ant2	5785	9.32	0.02	9.34	≤30.00	PASS
11N20MIMO	total	5785	---	---	12.74	≤29.73	PASS
11N20MIMO	Ant1	5825	9.97	0.01	9.98	≤30.00	PASS
11N20MIMO	Ant2	5825	8.89	0.02	8.91	≤30.00	PASS
11N20MIMO	total	5825	---	---	12.49	≤29.73	PASS
11N40MIMO	Ant1	5190	10.54	0.03	10.57	≤23.98	PASS
11N40MIMO	Ant2	5190	9.44	0.03	9.47	≤23.98	PASS
11N40MIMO	total	5190	---	---	13.04	≤23.98	PASS

11N40MIMO	Ant1	5230	10.30	0.03	10.33	≤23.98	PASS
11N40MIMO	Ant2	5230	9.23	0.03	9.26	≤23.98	PASS
11N40MIMO	total	5230	---	---	12.81	≤23.98	PASS
11N40MIMO	Ant1	5755	10.66	0.03	10.69	≤30.00	PASS
11N40MIMO	Ant2	5755	10.23	0.02	10.25	≤30.00	PASS
11N40MIMO	total	5755	---	---	13.49	≤29.73	PASS
11N40MIMO	Ant1	5795	10.70	0.03	10.73	≤30.00	PASS
11N40MIMO	Ant2	5795	9.80	0.02	9.82	≤30.00	PASS
11N40MIMO	total	5795	---	---	13.31	≤29.73	PASS
11AC20MIMO	Ant1	5180	9.91	0.02	9.93	≤23.98	PASS
11AC20MIMO	Ant2	5180	9.51	0.02	9.53	≤23.98	PASS
11AC20MIMO	total	5180	---	---	12.73	≤23.98	PASS
11AC20MIMO	Ant1	5200	9.74	0.02	9.76	≤23.98	PASS
11AC20MIMO	Ant2	5200	8.87	0.02	8.89	≤23.98	PASS
11AC20MIMO	total	5200	---	---	12.35	≤23.98	PASS
11AC20MIMO	Ant1	5240	9.78	0.02	9.80	≤23.98	PASS
11AC20MIMO	Ant2	5240	8.73	0.02	8.75	≤23.98	PASS
11AC20MIMO	total	5240	---	---	12.31	≤23.98	PASS
11AC20MIMO	Ant1	5745	10.43	0.01	10.44	≤30.00	PASS
11AC20MIMO	Ant2	5745	10.08	0.02	10.10	≤30.00	PASS
11AC20MIMO	total	5745	---	---	13.28	≤29.73	PASS
11AC20MIMO	Ant1	5785	9.81	0.01	9.82	≤30.00	PASS
11AC20MIMO	Ant2	5785	9.60	0.02	9.62	≤30.00	PASS
11AC20MIMO	total	5785	---	---	12.73	≤29.73	PASS
11AC20MIMO	Ant1	5825	10.22	0.01	10.23	≤30.00	PASS
11AC20MIMO	Ant2	5825	9.16	0.02	9.18	≤30.00	PASS
11AC20MIMO	total	5825	---	---	12.75	≤29.73	PASS
11AC40MIMO	Ant1	5190	10.54	0.03	10.57	≤23.98	PASS
11AC40MIMO	Ant2	5190	9.91	0.03	9.94	≤23.98	PASS
11AC40MIMO	total	5190	---	---	13.28	≤23.98	PASS
11AC40MIMO	Ant1	5230	10.32	0.03	10.35	≤23.98	PASS
11AC40MIMO	Ant2	5230	9.70	0.03	9.73	≤23.98	PASS
11AC40MIMO	total	5230	---	---	13.06	≤23.98	PASS
11AC40MIMO	Ant1	5755	11.11	0.03	11.14	≤30.00	PASS
11AC40MIMO	Ant2	5755	10.68	0.03	10.71	≤30.00	PASS
11AC40MIMO	total	5755	---	---	13.94	≤29.73	PASS
11AC40MIMO	Ant1	5795	11.16	0.03	11.19	≤30.00	PASS
11AC40MIMO	Ant2	5795	10.26	0.03	10.29	≤30.00	PASS
11AC40MIMO	total	5795	---	---	13.77	≤29.73	PASS
11AC80MIMO	Ant1	5210	10.01	0.06	10.07	≤23.98	PASS
11AC80MIMO	Ant2	5210	9.42	0.06	9.48	≤23.98	PASS
11AC80MIMO	total	5210	---	---	12.80	≤23.98	PASS
11AC80MIMO	Ant1	5775	10.86	0.03	10.89	≤30.00	PASS
11AC80MIMO	Ant2	5775	10.18	0.06	10.24	≤30.00	PASS
11AC80MIMO	total	5775	---	---	13.59	≤29.73	PASS

11AX20MIMO	Ant1	5180	9.75	0.02	9.77	≤23.98	PASS
11AX20MIMO	Ant2	5180	9.36	0.02	9.38	≤23.98	PASS
11AX20MIMO	total	5180	---	---	12.59	≤23.98	PASS
11AX20MIMO	Ant1	5200	9.70	0.02	9.72	≤23.98	PASS
11AX20MIMO	Ant2	5200	8.69	0.02	8.71	≤23.98	PASS
11AX20MIMO	total	5200	---	---	12.25	≤23.98	PASS
11AX20MIMO	Ant1	5240	10.24	0.02	10.26	≤23.98	PASS
11AX20MIMO	Ant2	5240	9.17	0.02	9.19	≤23.98	PASS
11AX20MIMO	total	5240	---	---	12.77	≤23.98	PASS
11AX20MIMO	Ant1	5745	10.80	0.02	10.82	≤30.00	PASS
11AX20MIMO	Ant2	5745	9.85	0.02	9.87	≤30.00	PASS
11AX20MIMO	total	5745	---	---	13.37	≤29.73	PASS
11AX20MIMO	Ant1	5785	10.25	0.02	10.27	≤30.00	PASS
11AX20MIMO	Ant2	5785	10.02	0.02	10.04	≤30.00	PASS
11AX20MIMO	total	5785	---	---	13.16	≤29.73	PASS
11AX20MIMO	Ant1	5825	10.01	0.02	10.03	≤30.00	PASS
11AX20MIMO	Ant2	5825	9.08	0.02	9.10	≤30.00	PASS
11AX20MIMO	total	5825	---	---	12.59	≤29.73	PASS
11AX40MIMO	Ant1	5190	10.20	0.04	10.24	≤23.98	PASS
11AX40MIMO	Ant2	5190	9.53	0.01	9.54	≤23.98	PASS
11AX40MIMO	total	5190	---	---	12.91	≤23.98	PASS
11AX40MIMO	Ant1	5230	10.31	0.04	10.35	≤23.98	PASS
11AX40MIMO	Ant2	5230	9.38	0.01	9.39	≤23.98	PASS
11AX40MIMO	total	5230	---	---	12.91	≤23.98	PASS
11AX40MIMO	Ant1	5755	11.09	0.02	11.11	≤30.00	PASS
11AX40MIMO	Ant2	5755	10.66	0.02	10.68	≤30.00	PASS
11AX40MIMO	total	5755	---	---	13.91	≤29.73	PASS
11AX40MIMO	Ant1	5795	11.11	0.02	11.13	≤30.00	PASS
11AX40MIMO	Ant2	5795	10.22	0.02	10.24	≤30.00	PASS
11AX40MIMO	total	5795	---	---	13.72	≤29.73	PASS
11AX80MIMO	Ant1	5210	9.95	0.02	9.97	≤23.98	PASS
11AX80MIMO	Ant2	5210	9.38	0.03	9.41	≤23.98	PASS
11AX80MIMO	total	5210	---	---	12.71	≤23.98	PASS
11AX80MIMO	Ant1	5775	11.03	0.05	11.08	≤30.00	PASS
11AX80MIMO	Ant2	5775	10.23	0.03	10.26	≤30.00	PASS
11AX80MIMO	total	5775	---	---	13.70	≤29.73	PASS

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.
 When ANT.1 and ANT. 2 transmitting simultaneously, and the Directional Gain=6.27dBi>6dBi. (Ant.1: 4.85dBi; Ant.2: 1.31dBi) For U-NII-3: 5745MHz-5825MHz
 $\text{So } P_{\text{out}} = P_{\text{limit}} - (G_{\text{TX}} - 6) = (30 - 0.27)\text{dBm} = 29.73\text{dBm}$ For U-NII-3: 5745MHz-5825MHz
 $\text{Directional Gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}]$

6: Maximum power spectral density

6.1 Test Result

Test Mode	Ant.	Frequency [MHz]	RawData [dBm/3kHz]	DC Factor	Result [dBm/MHz] Result [dBm/500kHz]	Limit[dBm/MHz] Limit[dBm/500kHz]	Verdict
11A-CDD	Ant1	5180	-1.16	0.04	-1.12	≤11.00	PASS
11A-CDD	Ant2	5180	-1.71	0.04	-1.67	≤11.00	PASS
11A-CDD	total	5180	---	---	1.62	≤11.00	PASS
11A-CDD	Ant1	5200	-1.2	0.04	-1.16	≤11.00	PASS
11A-CDD	Ant2	5200	-2.31	0.04	-2.27	≤11.00	PASS
11A-CDD	total	5200	---	---	1.33	≤11.00	PASS
11A-CDD	Ant1	5240	-1.43	0.04	-1.39	≤11.00	PASS
11A-CDD	Ant2	5240	-1.83	0.04	-1.79	≤11.00	PASS
11A-CDD	total	5240	---	---	1.42	≤11.00	PASS
11A-CDD	Ant1	5745	-3.33	0.02	-3.31	≤30.00	PASS
11A-CDD	Ant2	5745	-4.07	0.04	-4.03	≤30.00	PASS
11A-CDD	total	5745	---	---	-0.64	≤29.73	PASS
11A-CDD	Ant1	5785	-3.53	0.02	-3.51	≤30.00	PASS
11A-CDD	Ant2	5785	-4.54	0.04	-4.50	≤30.00	PASS
11A-CDD	total	5785	---	---	-0.97	≤29.73	PASS
11A-CDD	Ant1	5825	-3.72	0.02	-3.70	≤30.00	PASS
11A-CDD	Ant2	5825	-4.85	0.04	-4.81	≤30.00	PASS
11A-CDD	total	5825	---	---	-1.21	≤29.73	PASS
11N20MIMO	Ant1	5180	-1.22	0.01	-1.21	≤11.00	PASS
11N20MIMO	Ant2	5180	-1.79	0.01	-1.78	≤11.00	PASS
11N20MIMO	total	5180	---	---	1.52	≤11.00	PASS
11N20MIMO	Ant1	5200	-1.35	0.01	-1.34	≤11.00	PASS
11N20MIMO	Ant2	5200	-2.5	0.01	-2.49	≤11.00	PASS
11N20MIMO	total	5200	---	---	1.13	≤11.00	PASS
11N20MIMO	Ant1	5240	-1.41	0.01	-1.40	≤11.00	PASS
11N20MIMO	Ant2	5240	-2.01	0.01	-2.00	≤11.00	PASS
11N20MIMO	total	5240	---	---	1.32	≤11.00	PASS
11N20MIMO	Ant1	5745	-3.79	0.01	-3.78	≤30.00	PASS
11N20MIMO	Ant2	5745	-4.35	0.02	-4.33	≤30.00	PASS
11N20MIMO	total	5745	---	---	-1.04	≤29.73	PASS
11N20MIMO	Ant1	5785	-3.92	0.01	-3.91	≤30.00	PASS
11N20MIMO	Ant2	5785	-4.81	0.02	-4.79	≤30.00	PASS
11N20MIMO	total	5785	---	---	-1.32	≤29.73	PASS
11N20MIMO	Ant1	5825	-4.19	0.01	-4.18	≤30.00	PASS
11N20MIMO	Ant2	5825	-5.14	0.02	-5.12	≤30.00	PASS
11N20MIMO	total	5825	---	---	-1.61	≤29.73	PASS
11N40MIMO	Ant1	5190	-3.86	0.03	-3.83	≤11.00	PASS
11N40MIMO	Ant2	5190	-4.31	0.03	-4.28	≤11.00	PASS
11N40MIMO	total	5190	---	---	-1.07	≤11.00	PASS
11N40MIMO	Ant1	5230	-4.15	0.03	-4.12	≤11.00	PASS

11N40MIMO	Ant2	5230	-4.54	0.03	-4.51	≤11.00	PASS
11N40MIMO	total	5230	---	---	-1.33	≤11.00	PASS
11N40MIMO	Ant1	5755	-6.26	0.03	-6.23	≤30.00	PASS
11N40MIMO	Ant2	5755	-6.85	0.02	-6.83	≤30.00	PASS
11N40MIMO	total	5755	---	---	-3.51	≤29.73	PASS
11N40MIMO	Ant1	5795	-6.23	0.03	-6.20	≤30.00	PASS
11N40MIMO	Ant2	5795	-7.23	0.02	-7.21	≤30.00	PASS
11N40MIMO	total	5795	---	---	-3.67	≤29.73	PASS
11AC20MIMO	Ant1	5180	-1.3	0.02	-1.28	≤11.00	PASS
11AC20MIMO	Ant2	5180	-1.89	0.02	-1.87	≤11.00	PASS
11AC20MIMO	total	5180	---	---	1.43	≤11.00	PASS
11AC20MIMO	Ant1	5200	-1.43	0.02	-1.41	≤11.00	PASS
11AC20MIMO	Ant2	5200	-2.55	0.02	-2.53	≤11.00	PASS
11AC20MIMO	total	5200	---	---	1.07	≤11.00	PASS
11AC20MIMO	Ant1	5240	-1.46	0.02	-1.44	≤11.00	PASS
11AC20MIMO	Ant2	5240	-1.95	0.02	-1.93	≤11.00	PASS
11AC20MIMO	total	5240	---	---	1.32	≤11.00	PASS
11AC20MIMO	Ant1	5745	-3.77	0.01	-3.76	≤30.00	PASS
11AC20MIMO	Ant2	5745	-4.32	0.02	-4.30	≤30.00	PASS
11AC20MIMO	total	5745	---	---	-1.01	≤29.73	PASS
11AC20MIMO	Ant1	5785	-3.9	0.01	-3.89	≤30.00	PASS
11AC20MIMO	Ant2	5785	-4.76	0.02	-4.74	≤30.00	PASS
11AC20MIMO	total	5785	---	---	-1.28	≤29.73	PASS
11AC20MIMO	Ant1	5825	-4.07	0.01	-4.06	≤30.00	PASS
11AC20MIMO	Ant2	5825	-5.2	0.02	-5.18	≤30.00	PASS
11AC20MIMO	total	5825	---	---	-1.57	≤29.73	PASS
11AC40MIMO	Ant1	5190	-3.89	0.03	-3.86	≤11.00	PASS
11AC40MIMO	Ant2	5190	-4.37	0.03	-4.34	≤11.00	PASS
11AC40MIMO	total	5190	---	---	-1.08	≤11.00	PASS
11AC40MIMO	Ant1	5230	-4.05	0.03	-4.02	≤11.00	PASS
11AC40MIMO	Ant2	5230	-4.54	0.03	-4.51	≤11.00	PASS
11AC40MIMO	total	5230	---	---	-1.25	≤11.00	PASS
11AC40MIMO	Ant1	5755	-6.17	0.03	-6.14	≤30.00	PASS
11AC40MIMO	Ant2	5755	-6.78	0.03	-6.75	≤30.00	PASS
11AC40MIMO	total	5755	---	---	-3.42	≤29.73	PASS
11AC40MIMO	Ant1	5795	-6.31	0.03	-6.28	≤30.00	PASS
11AC40MIMO	Ant2	5795	-7.15	0.03	-7.12	≤30.00	PASS
11AC40MIMO	total	5795	---	---	-3.67	≤29.73	PASS
11AC80MIMO	Ant1	5210	-7.5	0.06	-7.44	≤11.00	PASS
11AC80MIMO	Ant2	5210	-7.44	0.06	-7.38	≤11.00	PASS
11AC80MIMO	total	5210	---	---	-4.40	≤11.00	PASS
11AC80MIMO	Ant1	5775	-9.65	0.03	-9.62	≤30.00	PASS
11AC80MIMO	Ant2	5775	-10.49	0.06	-10.43	≤30.00	PASS
11AC80MIMO	total	5775	---	---	-7.00	≤29.73	PASS
11AX20MIMO	Ant1	5180	-1.51	0.02	-1.49	≤11.00	PASS

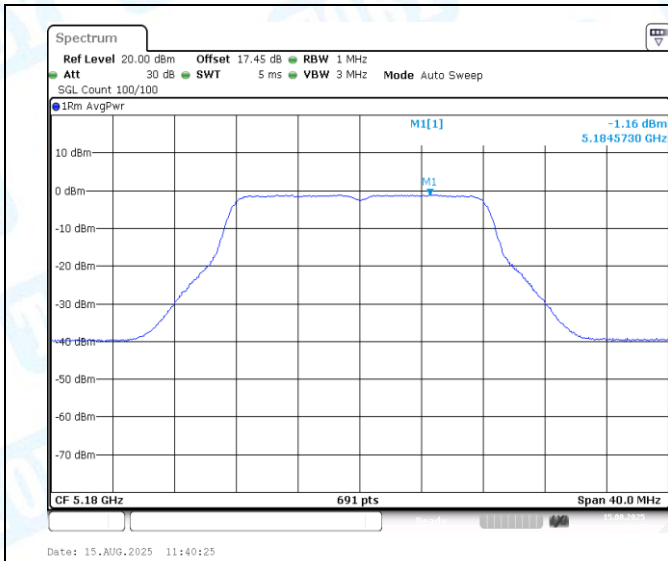
11AX20MIMO	Ant2	5180	-2.02	0.02	-2.00	≤11.00	PASS
11AX20MIMO	total	5180	---	---	1.27	≤11.00	PASS
11AX20MIMO	Ant1	5200	-1.56	0.02	-1.54	≤11.00	PASS
11AX20MIMO	Ant2	5200	-2.57	0.02	-2.55	≤11.00	PASS
11AX20MIMO	total	5200	---	---	0.99	≤11.00	PASS
11AX20MIMO	Ant1	5240	-1.57	0.02	-1.55	≤11.00	PASS
11AX20MIMO	Ant2	5240	-2.02	0.02	-2.00	≤11.00	PASS
11AX20MIMO	total	5240	---	---	1.24	≤11.00	PASS
11AX20MIMO	Ant1	5745	-3.97	0.02	-3.95	≤30.00	PASS
11AX20MIMO	Ant2	5745	-4.55	0.02	-4.53	≤30.00	PASS
11AX20MIMO	total	5745	---	---	-1.23	≤29.73	PASS
11AX20MIMO	Ant1	5785	-4.06	0.02	-4.04	≤30.00	PASS
11AX20MIMO	Ant2	5785	-4.81	0.02	-4.79	≤30.00	PASS
11AX20MIMO	total	5785	---	---	-1.40	≤29.73	PASS
11AX20MIMO	Ant1	5825	-4.31	0.02	-4.29	≤30.00	PASS
11AX20MIMO	Ant2	5825	-5.28	0.02	-5.26	≤30.00	PASS
11AX20MIMO	total	5825	---	---	-1.75	≤29.73	PASS
11AX40MIMO	Ant1	5190	-4.02	0.04	-3.98	≤11.00	PASS
11AX40MIMO	Ant2	5190	-4.6	0.01	-4.59	≤11.00	PASS
11AX40MIMO	total	5190	---	---	-1.26	≤11.00	PASS
11AX40MIMO	Ant1	5230	-4.38	0.04	-4.34	≤11.00	PASS
11AX40MIMO	Ant2	5230	-4.84	0.01	-4.83	≤11.00	PASS
11AX40MIMO	total	5230	---	---	-1.57	≤11.00	PASS
11AX40MIMO	Ant1	5755	-6.35	0.02	-6.33	≤30.00	PASS
11AX40MIMO	Ant2	5755	-6.97	0.02	-6.95	≤30.00	PASS
11AX40MIMO	total	5755	---	---	-3.62	≤29.73	PASS
11AX40MIMO	Ant1	5795	-6.41	0.02	-6.39	≤30.00	PASS
11AX40MIMO	Ant2	5795	-7.49	0.02	-7.47	≤30.00	PASS
11AX40MIMO	total	5795	---	---	-3.89	≤29.73	PASS
11AX80MIMO	Ant1	5210	-7.35	0.02	-7.33	≤11.00	PASS
11AX80MIMO	Ant2	5210	-7.4	0.03	-7.37	≤11.00	PASS
11AX80MIMO	total	5210	---	---	-4.34	≤11.00	PASS
11AX80MIMO	Ant1	5775	-9.59	0.05	-9.54	≤30.00	PASS
11AX80MIMO	Ant2	5775	-10.19	0.03	-10.16	≤30.00	PASS
11AX80MIMO	total	5775	---	---	-6.83	≤29.73	PASS

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.
 When ANT.1 and ANT. 2 transmitting simultaneously, and the Directional Gain=6.27dBi> 6dBi. (Ant.1: 4.85dBi; Ant.2: 1.31dBi) For U-NII-3: 5745MHz-5825MHz
 So $PSD_{out} = PSD_{limit} - (G_{TX} - 6) = (30 - 0.27) \text{dBm} / 500\text{kHz} = 29.73 \text{dBm} / 500\text{kHz}$ For U-NII-3: 5745MHz-5825MHz

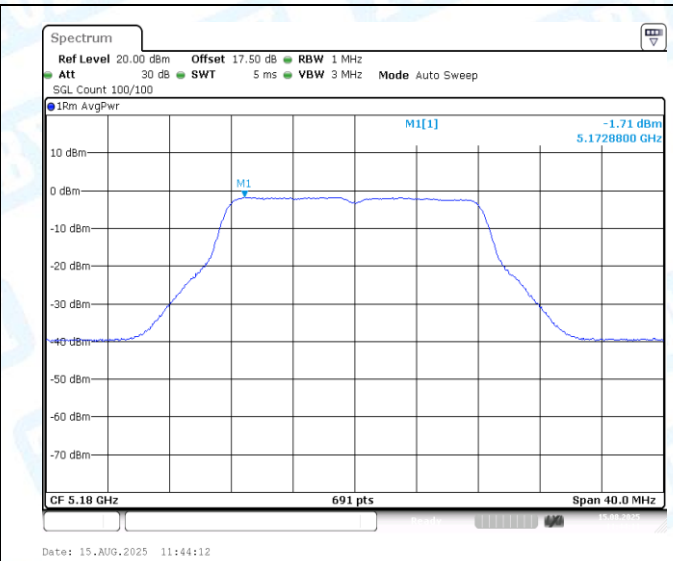
Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$

The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

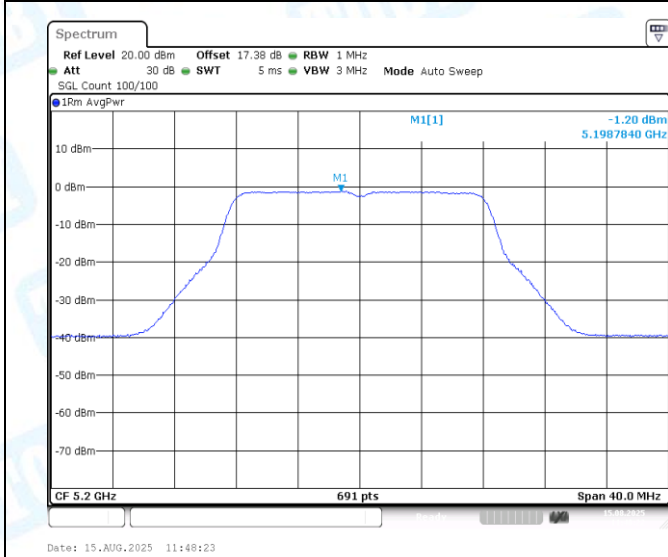
6.2 Test Graphs



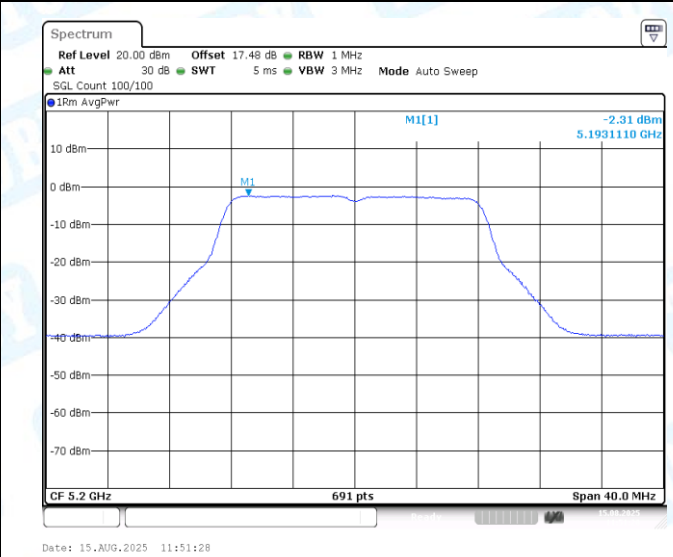
11A-CDD-Ant1-5180-PASS



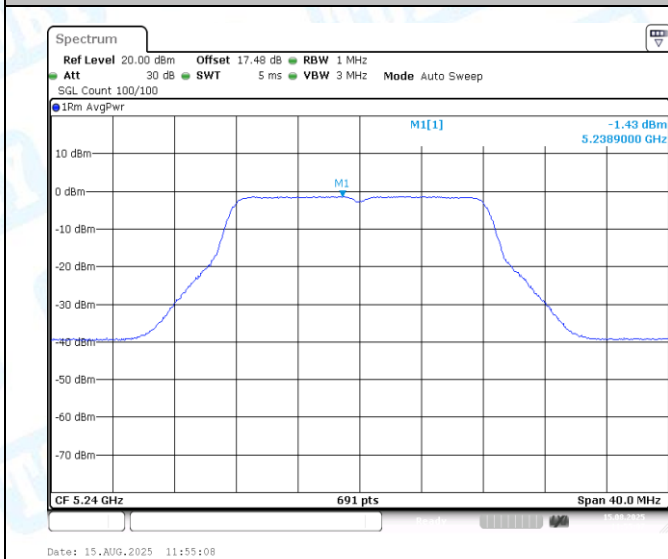
11A-CDD-Ant2-5180-PASS



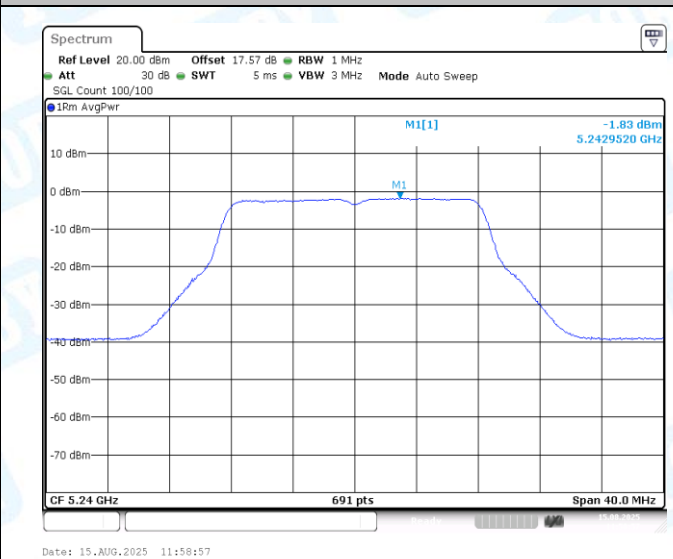
11A-CDD-Ant1-5200-PASS



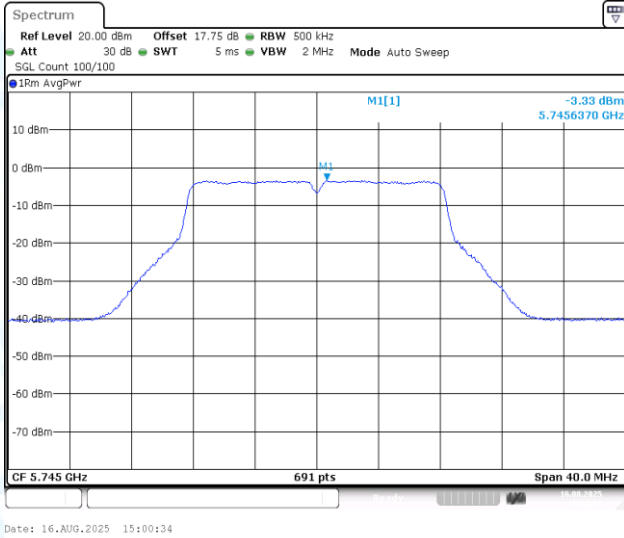
11A-CDD-Ant2-5200-PASS



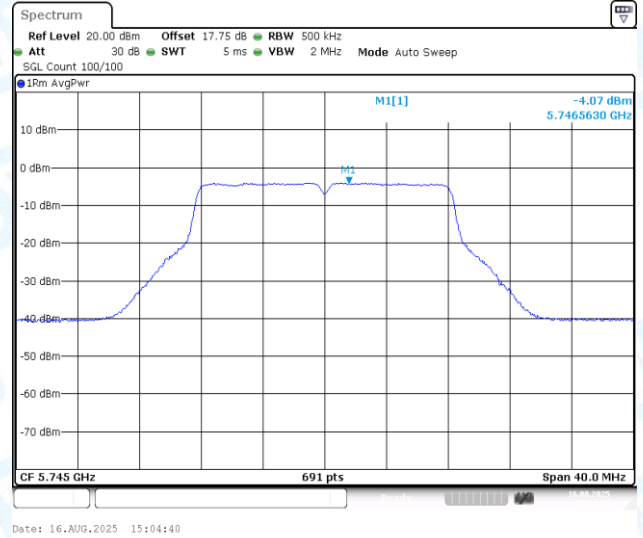
11A-CDD-Ant1-5240-PASS



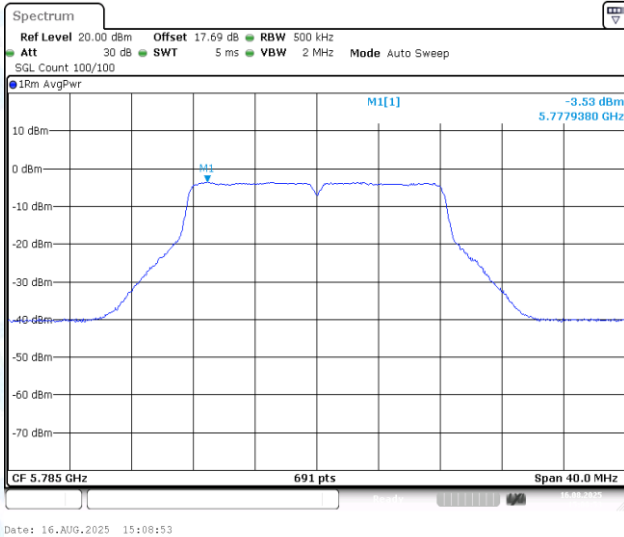
11A-CDD-Ant2-5240-PASS



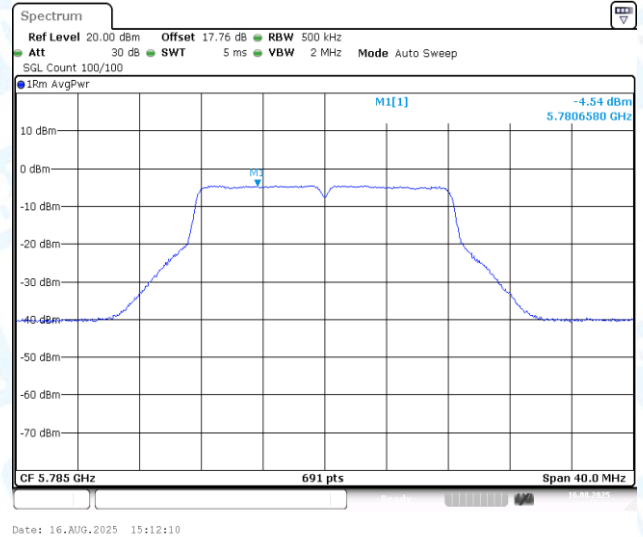
11A-CDD-Ant1-5745-PASS



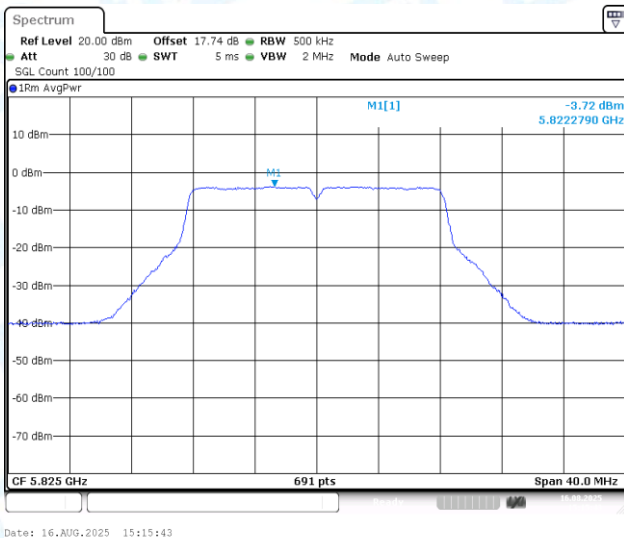
11A-CDD-Ant2-5745-PASS



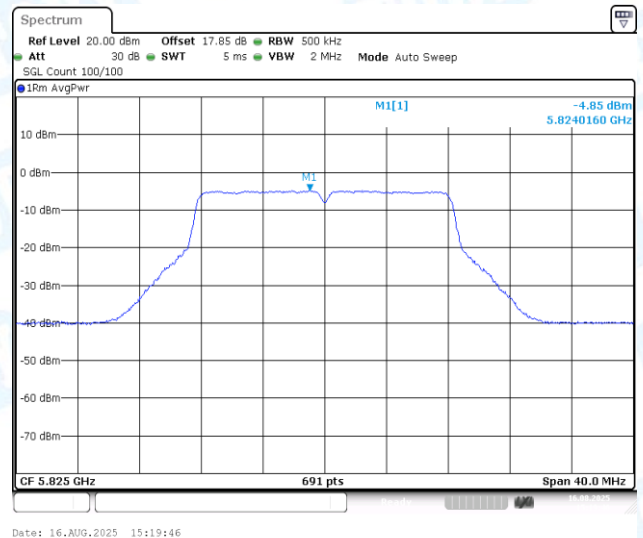
11A-CDD-Ant1-5785-PASS



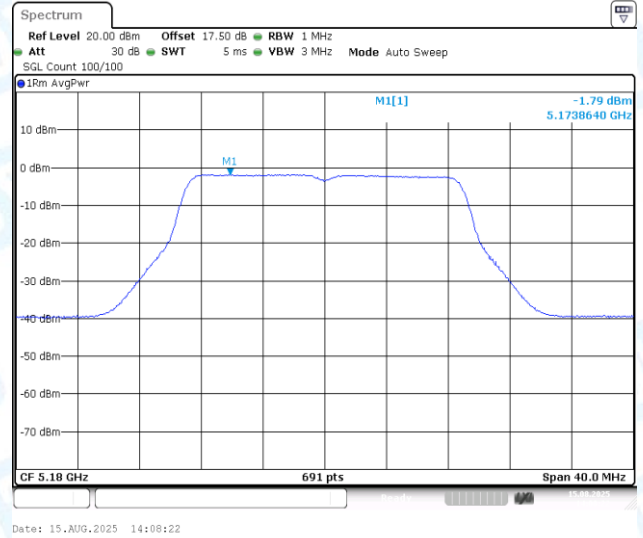
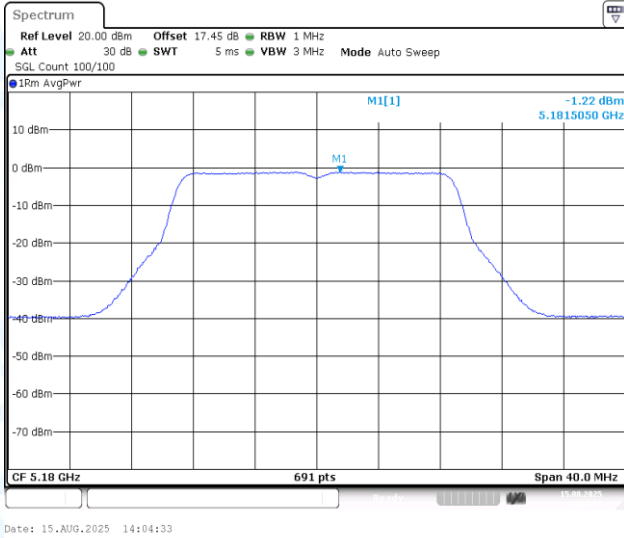
11A-CDD-Ant2-5785-PASS



11A-CDD-Ant1-5825-PASS

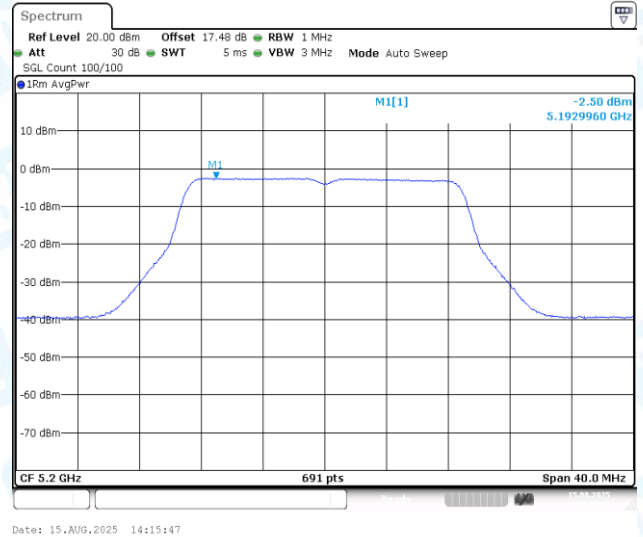
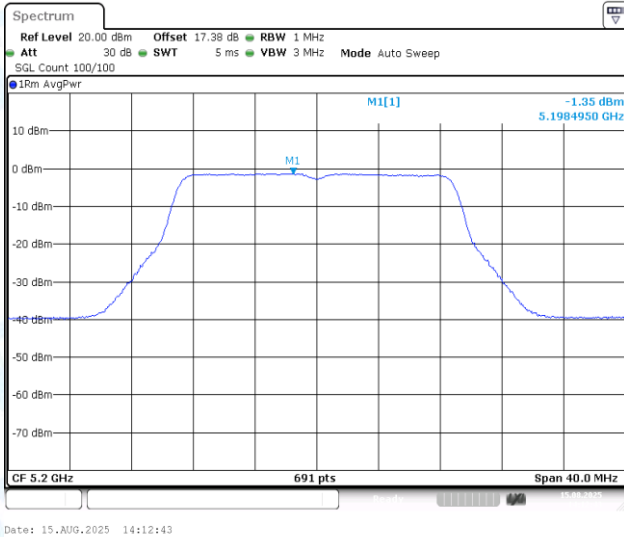


11A-CDD-Ant2-5825-PASS



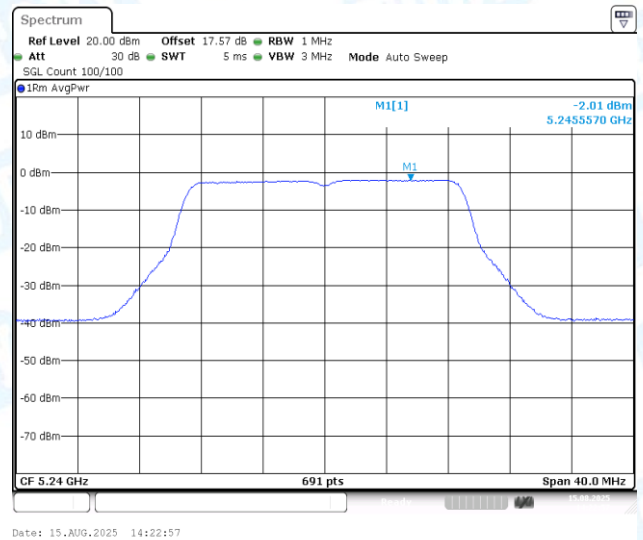
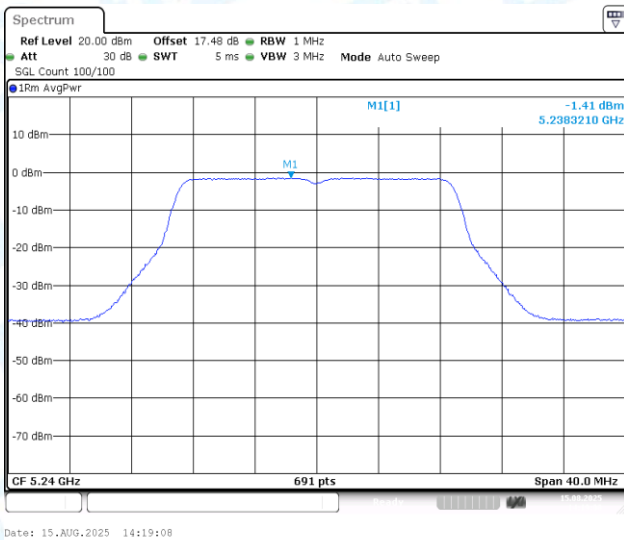
11N20MIMO-Ant1-5180-PASS

11N20MIMO-Ant2-5180-PASS



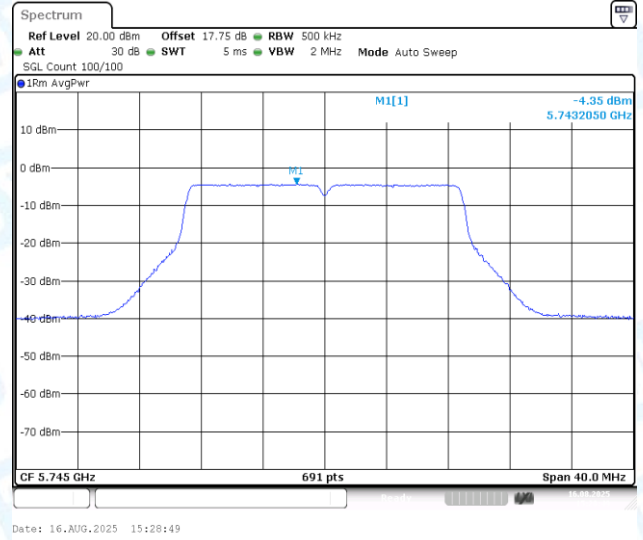
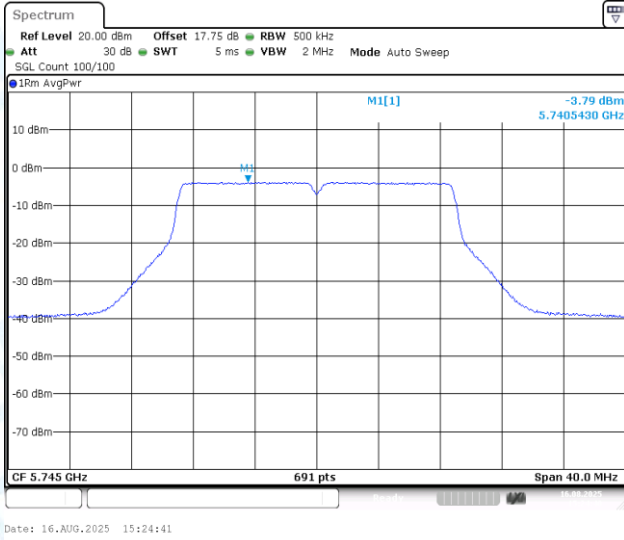
11N20MIMO-Ant1-5200-PASS

11N20MIMO-Ant2-5200-PASS



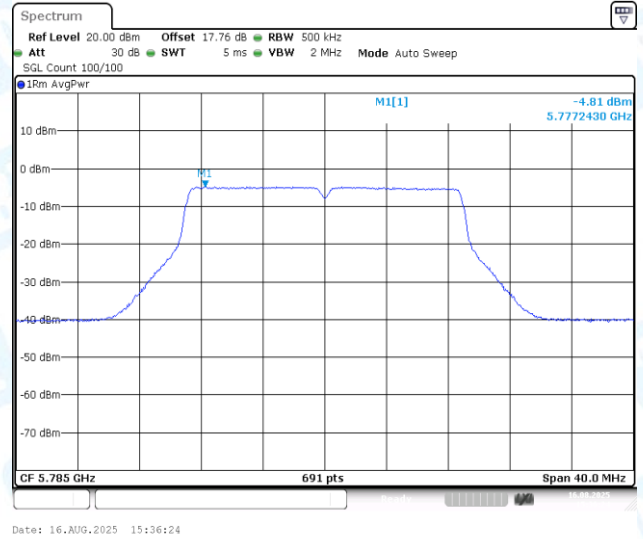
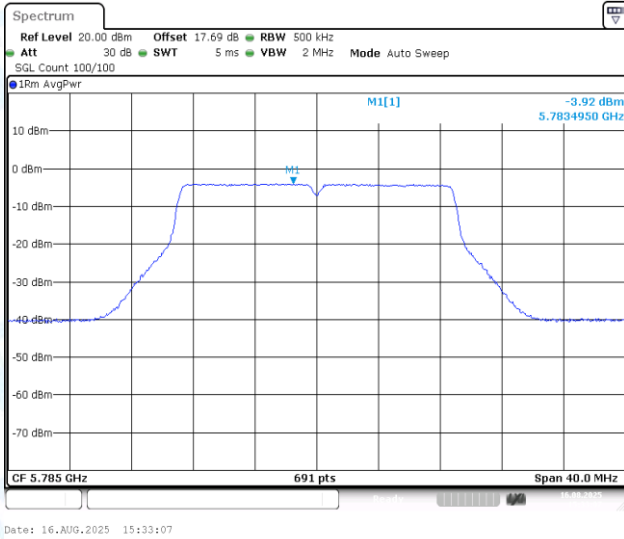
11N20MIMO-Ant1-5240-PASS

11N20MIMO-Ant2-5240-PASS



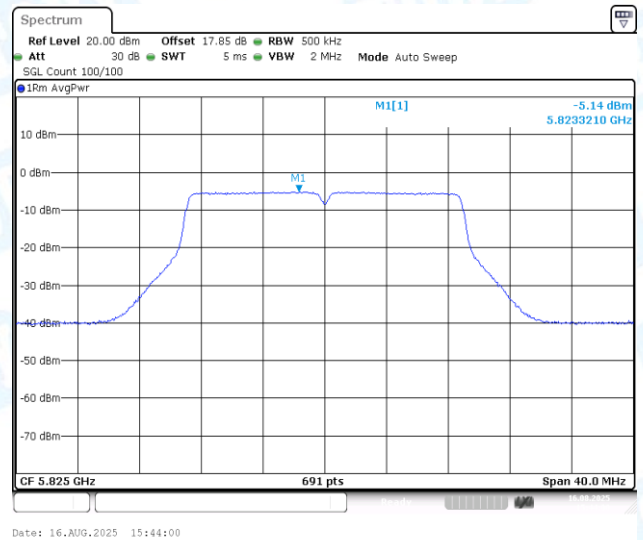
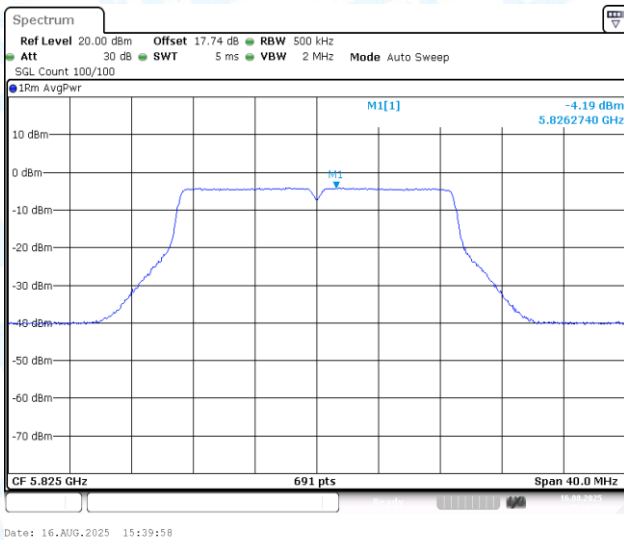
11N20MIMO-Ant1-5745-PASS

11N20MIMO-Ant2-5745-PASS



11N20MIMO-Ant1-5785-PASS

11N20MIMO-Ant2-5785-PASS



11N20MIMO-Ant1-5825-PASS

11N20MIMO-Ant2-5825-PASS