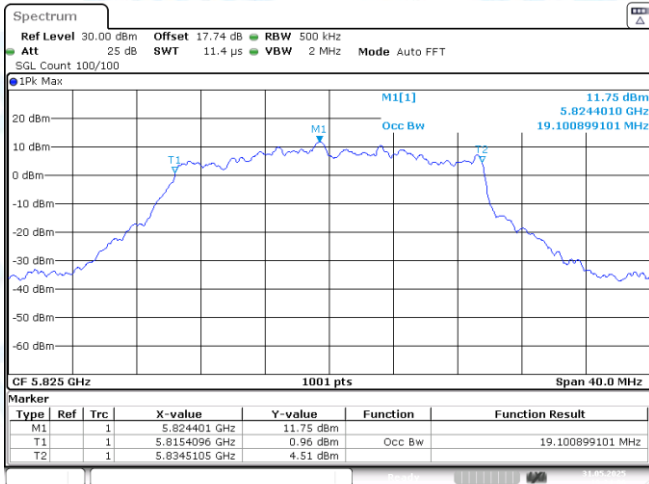
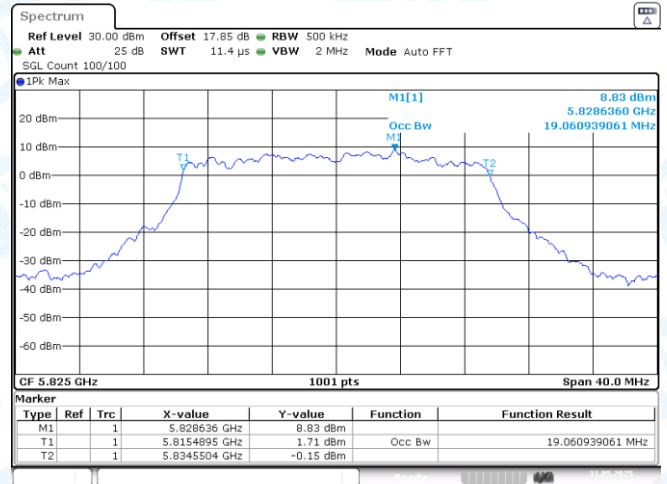
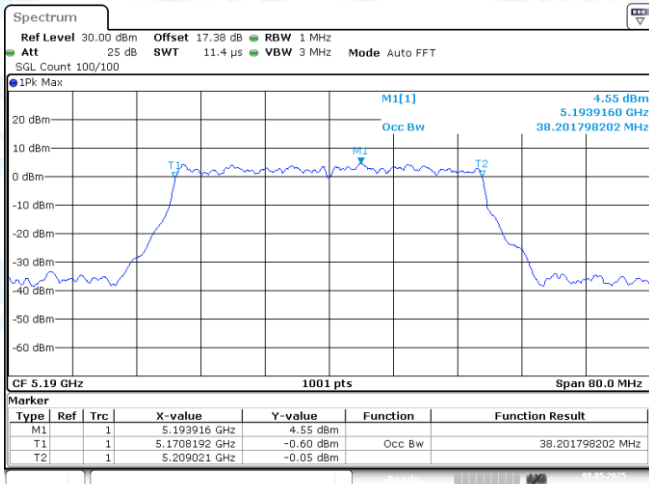




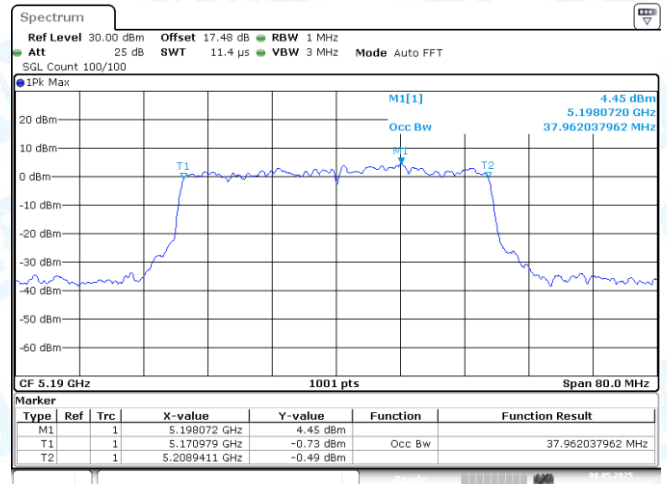
11AX20MIMO-Ant1-5825



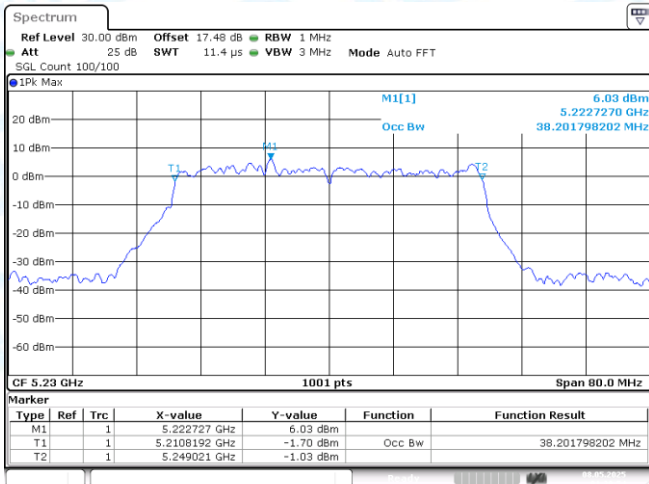
11AX20MIMO-Ant2-5825



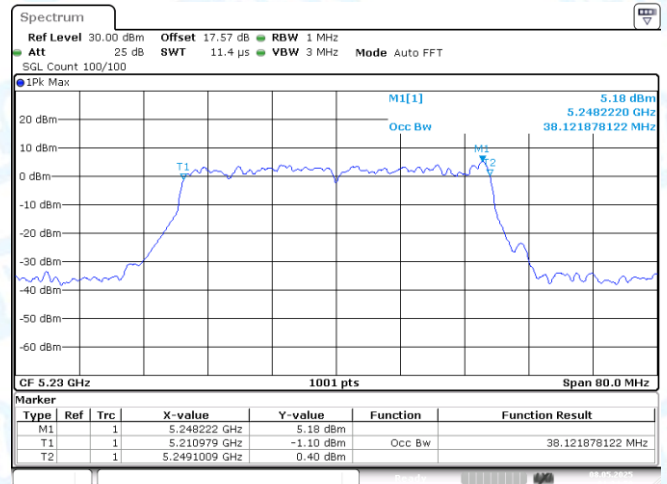
11AX40MIMO-Ant1-5190



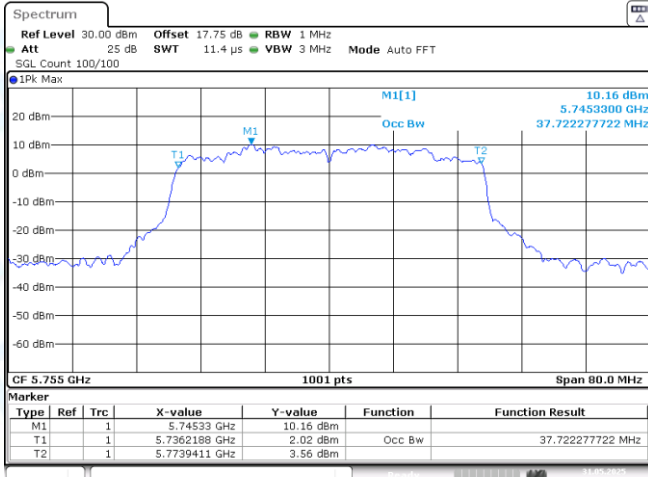
11AX40MIMO-Ant2-5190



11AX40MIMO-Ant1-5230

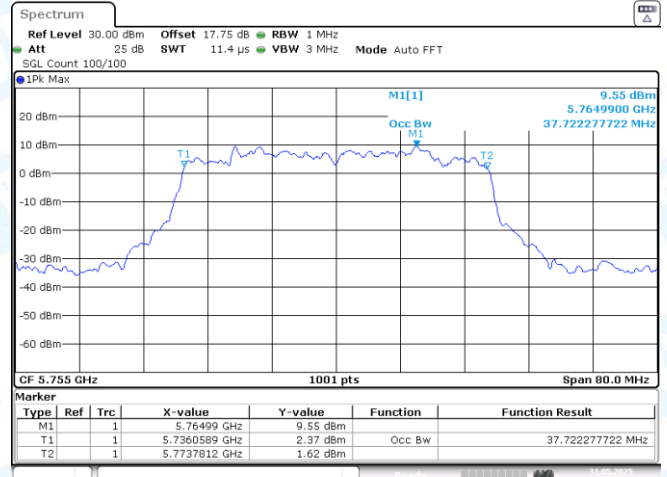


11AX40MIMO-Ant2-5230



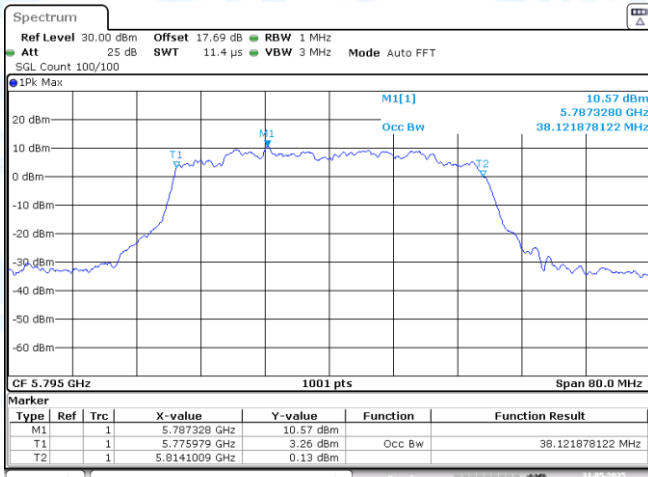
Date: 31.MAY.2025 19:33:09

11AX40MIMO-Ant1-5755



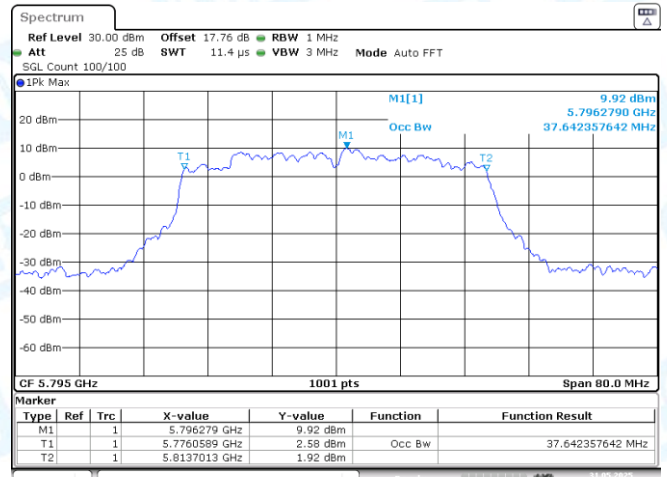
Date: 31.MAY.2025 19:37:27

11AX40MIMO-Ant2-5755



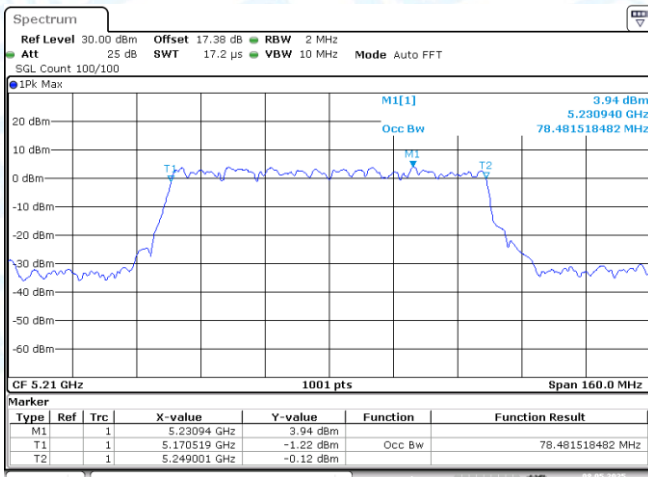
Date: 31.MAY.2025 19:42:02

11AX40MIMO-Ant1-5795



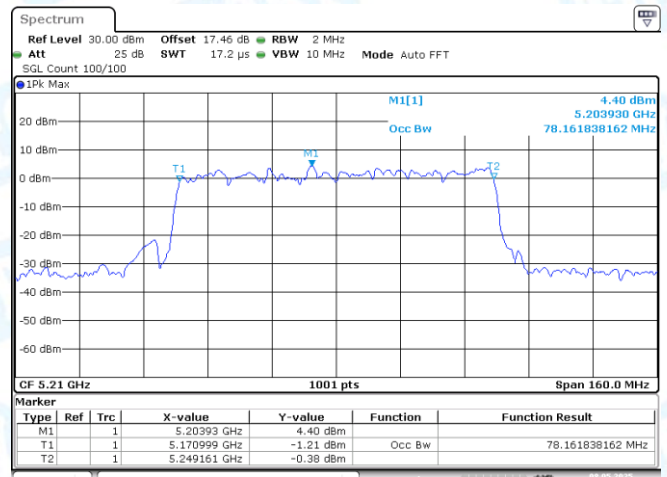
Date: 31.MAY.2025 19:46:19

11AX40MIMO-Ant2-5795



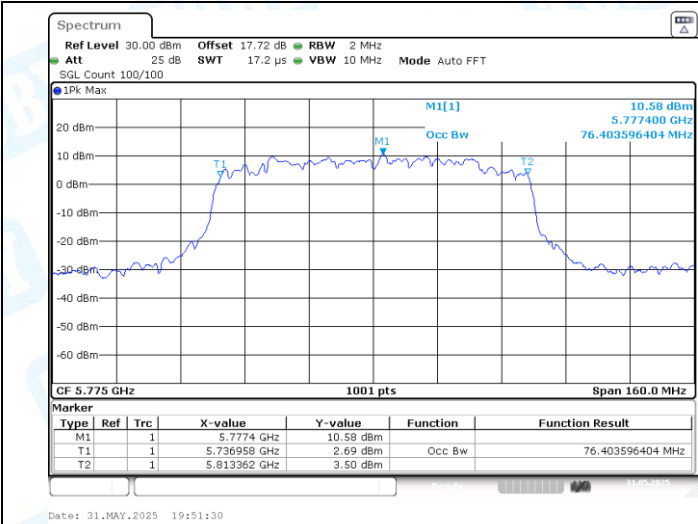
Date: 8.MAY.2025 01:39:29

11AX80MIMO-Ant1-5210

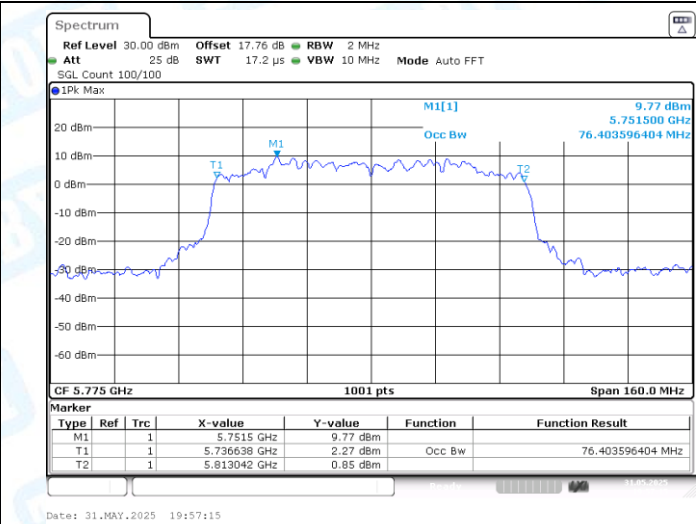


Date: 8.MAY.2025 01:44:40

11AX80MIMO-Ant2-5210



11AX80MIMO-Ant1-5775



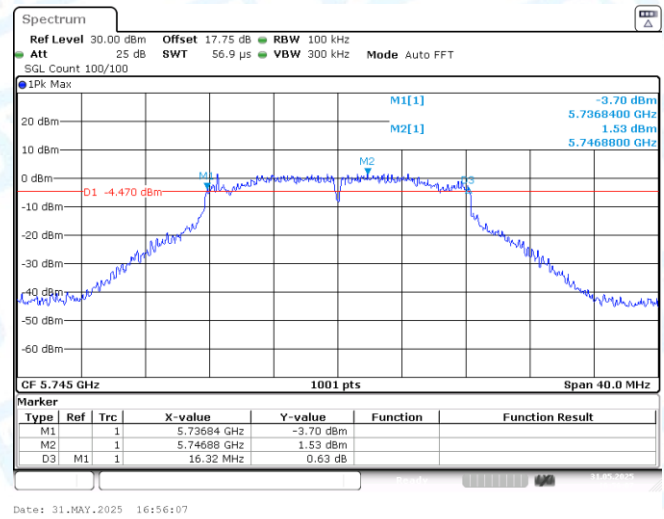
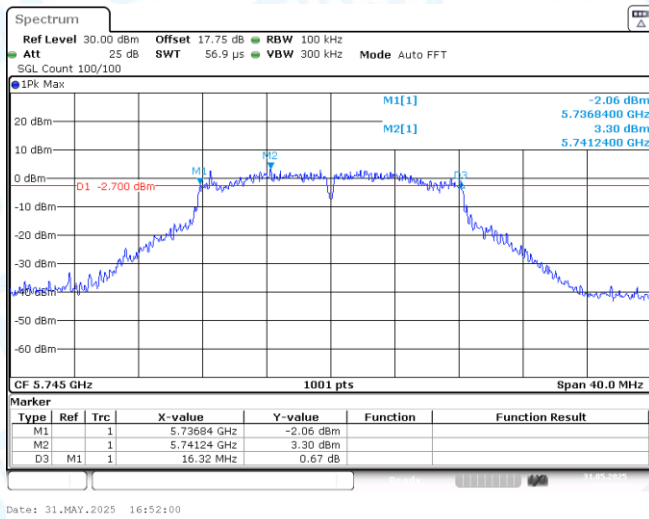
11AX80MIMO-Ant2-5775

3: Min emission bandwidth

3.1 Test Result-B4

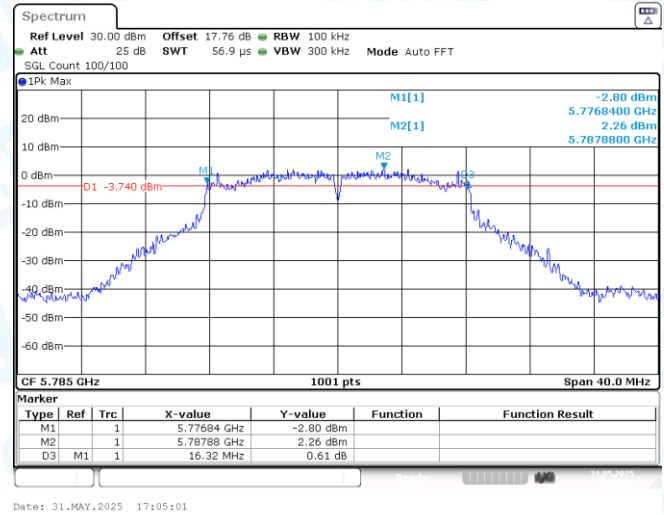
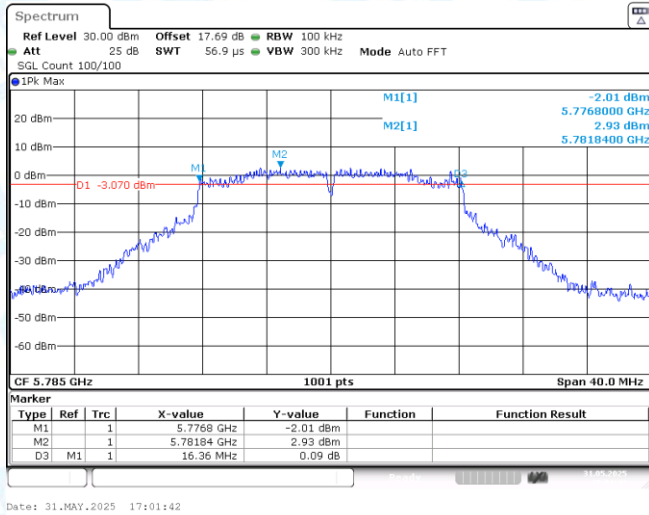
TestMode	Antenna	Frequency[MHz]	6dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	16.32	5736.84	5753.16	0.5	PASS
11A-CDD	Ant2	5745	16.32	5736.84	5753.16	0.5	PASS
11A-CDD	Ant1	5785	16.36	5776.80	5793.16	0.5	PASS
11A-CDD	Ant2	5785	16.32	5776.84	5793.16	0.5	PASS
11A-CDD	Ant1	5825	16.08	5816.84	5832.92	0.5	PASS
11A-CDD	Ant2	5825	15.12	5817.44	5832.56	0.5	PASS
11N20MIMO	Ant1	5745	17.56	5736.20	5753.76	0.5	PASS
11N20MIMO	Ant2	5745	16.56	5736.60	5753.16	0.5	PASS
11N20MIMO	Ant2	5785	13.84	5778.68	5792.52	0.5	PASS
11N20MIMO	Ant1	5785	17.56	5776.20	5793.76	0.5	PASS
11N20MIMO	Ant1	5825	17.56	5816.20	5833.76	0.5	PASS
11N20MIMO	Ant2	5825	13.84	5818.68	5832.52	0.5	PASS
11N40MIMO	Ant1	5755	26.24	5741.88	5768.12	0.5	PASS
11N40MIMO	Ant2	5755	36.32	5736.84	5773.16	0.5	PASS
11N40MIMO	Ant1	5795	35.12	5777.40	5812.52	0.5	PASS
11N40MIMO	Ant2	5795	36.32	5776.84	5813.16	0.5	PASS
11AC20MIMO	Ant1	5745	17.56	5736.20	5753.76	0.5	PASS
11AC20MIMO	Ant2	5745	13.84	5738.68	5752.52	0.5	PASS
11AC20MIMO	Ant1	5785	17.60	5776.20	5793.80	0.5	PASS
11AC20MIMO	Ant2	5785	17.56	5776.24	5793.80	0.5	PASS
11AC20MIMO	Ant1	5825	17.60	5816.20	5833.80	0.5	PASS
11AC20MIMO	Ant2	5825	15.08	5817.48	5832.56	0.5	PASS
11AC40MIMO	Ant1	5755	32.64	5739.88	5772.52	0.5	PASS
11AC40MIMO	Ant2	5755	34.16	5737.48	5771.64	0.5	PASS
11AC40MIMO	Ant1	5795	26.56	5781.24	5807.80	0.5	PASS
11AC40MIMO	Ant2	5795	33.92	5778.68	5812.60	0.5	PASS
11AC80MIMO	Ant1	5775	57.60	5743.64	5801.24	0.5	PASS
11AC80MIMO	Ant2	5775	62.72	5743.64	5806.36	0.5	PASS
11AX20MIMO	Ant1	5745	16.40	5736.68	5753.08	0.5	PASS
11AX20MIMO	Ant2	5745	15.00	5737.48	5752.48	0.5	PASS
11AX20MIMO	Ant1	5785	14.68	5776.60	5791.28	0.5	PASS
11AX20MIMO	Ant2	5785	12.64	5778.68	5791.32	0.5	PASS
11AX20MIMO	Ant2	5825	18.16	5816.32	5834.48	0.5	PASS
11AX20MIMO	Ant1	5825	15.08	5817.44	5832.52	0.5	PASS
11AX40MIMO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
11AX40MIMO	Ant2	5755	36.40	5737.16	5773.56	0.5	PASS
11AX40MIMO	Ant1	5795	37.20	5776.44	5813.64	0.5	PASS
11AX40MIMO	Ant2	5795	34.64	5777.08	5811.72	0.5	PASS
11AX80MIMO	Ant1	5775	66.40	5739.96	5806.36	0.5	PASS
11AX80MIMO	Ant2	5775	57.44	5748.92	5806.36	0.5	PASS

3.2 Test Graphs-B4



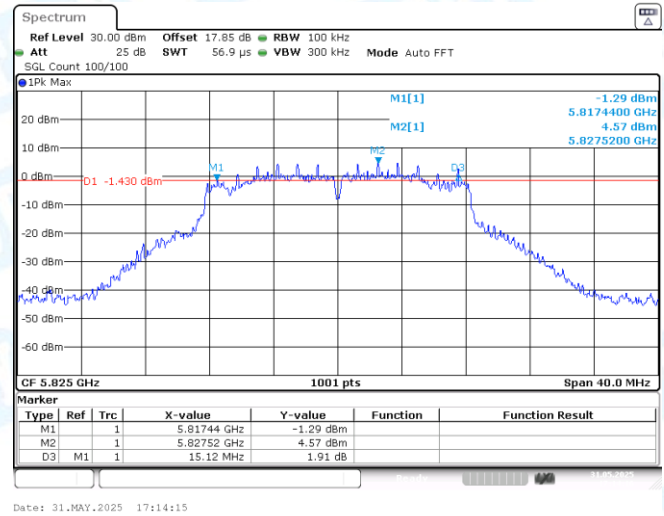
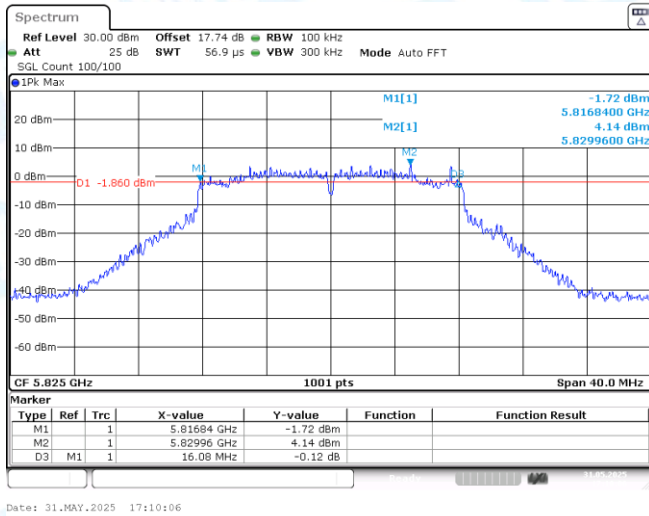
11A-CDD-Ant1-5745-PASS

11A-CDD-Ant2-5745-PASS



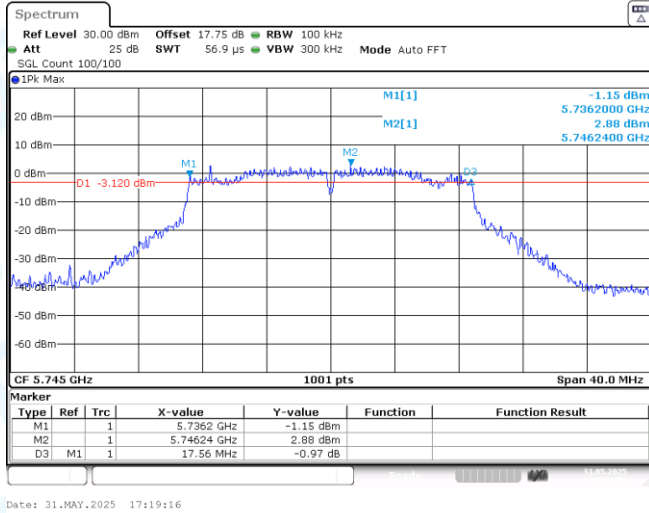
11A-CDD-Ant1-5785-PASS

11A-CDD-Ant2-5785-PASS

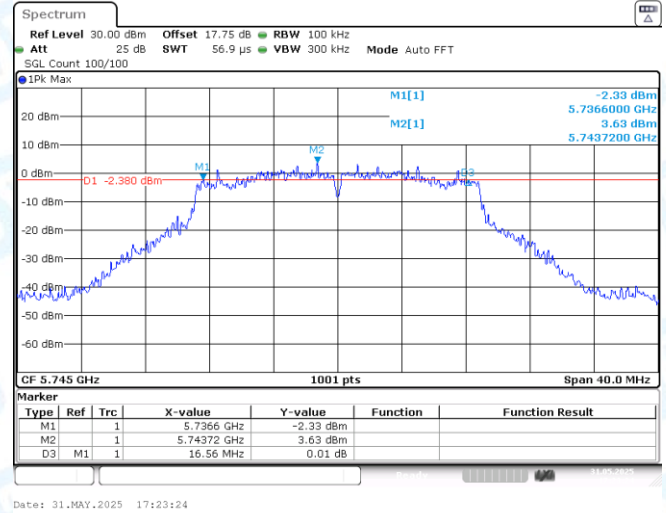


11A-CDD-Ant1-5825-PASS

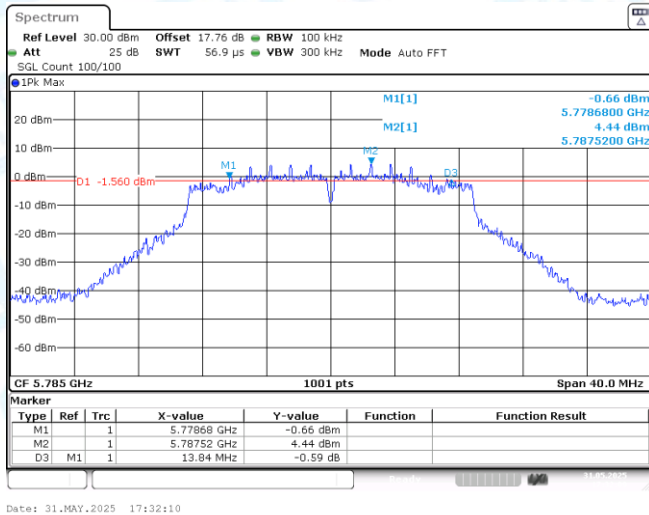
11A-CDD-Ant2-5825-PASS



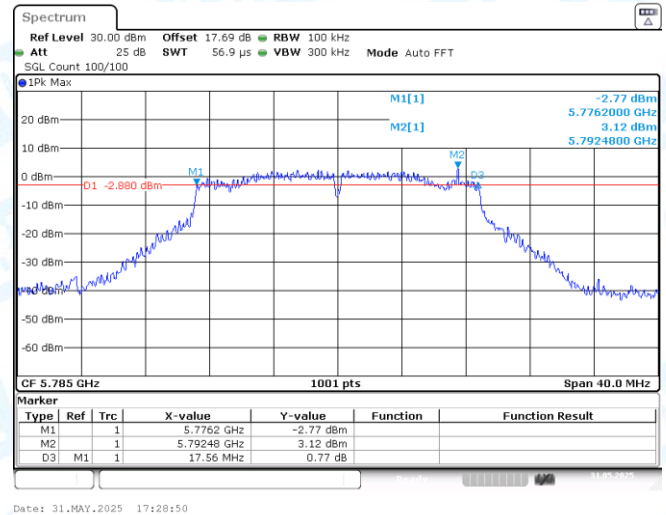
11N20MIMO-Ant1-5745-PASS



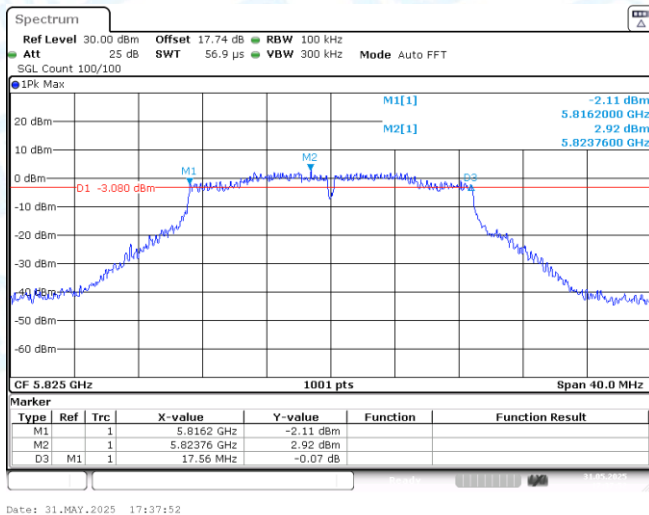
11N20MIMO-Ant2-5745-PASS



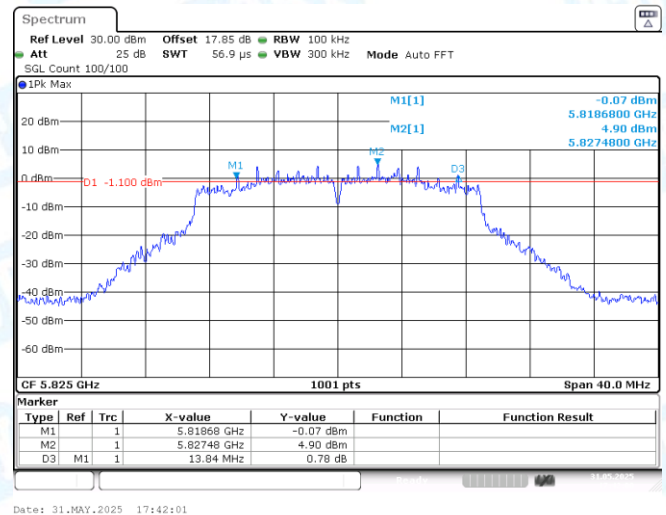
11N20MIMO-Ant2-5785-PASS



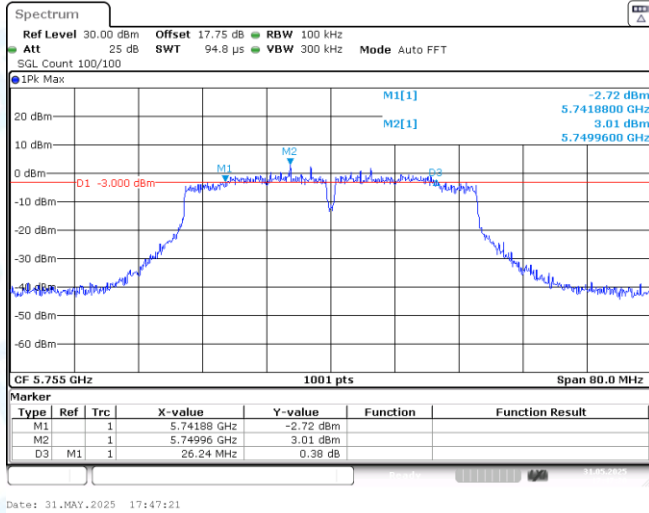
11N20MIMO-Ant1-5785-PASS



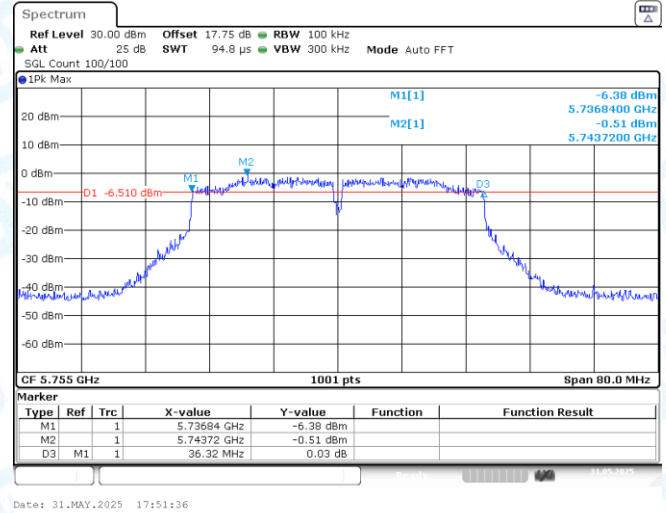
11N20MIMO-Ant1-5825-PASS



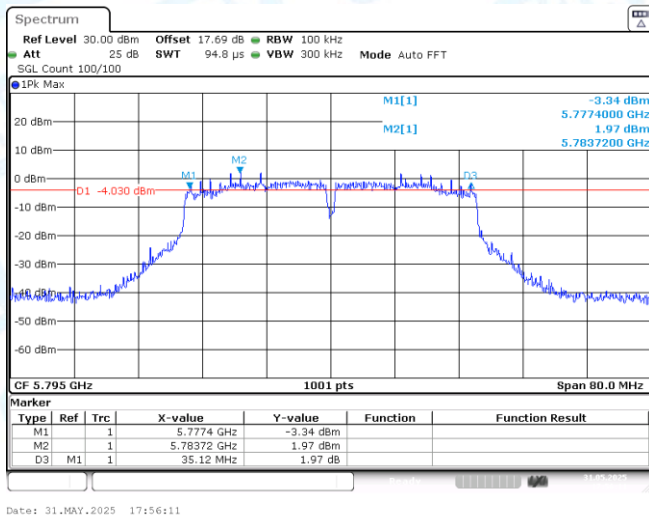
11N20MIMO-Ant2-5825-PASS



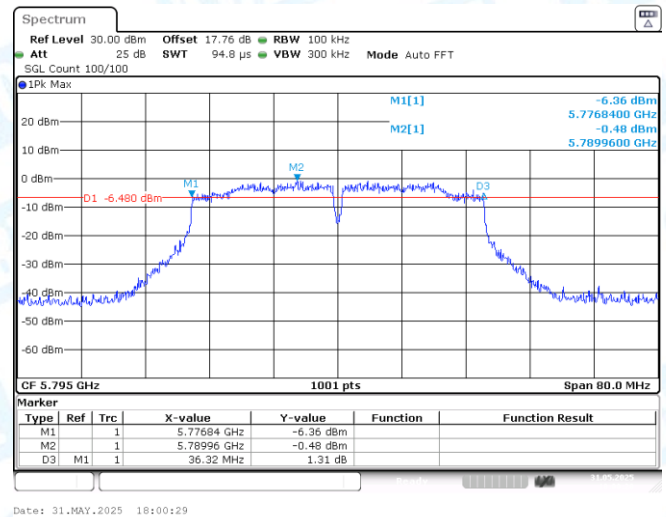
11N40MIMO-Ant1-5755-PASS



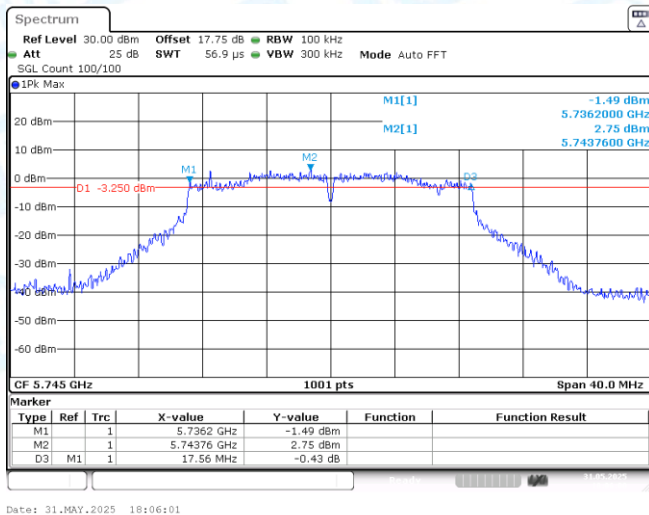
11N40MIMO-Ant2-5755-PASS



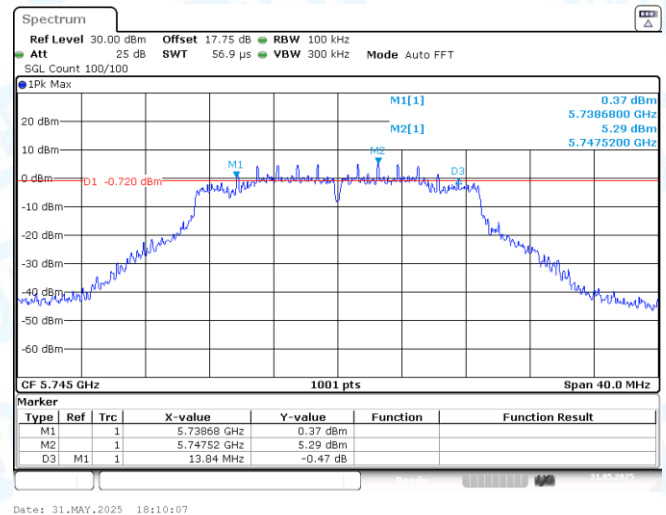
11N40MIMO-Ant1-5795-PASS



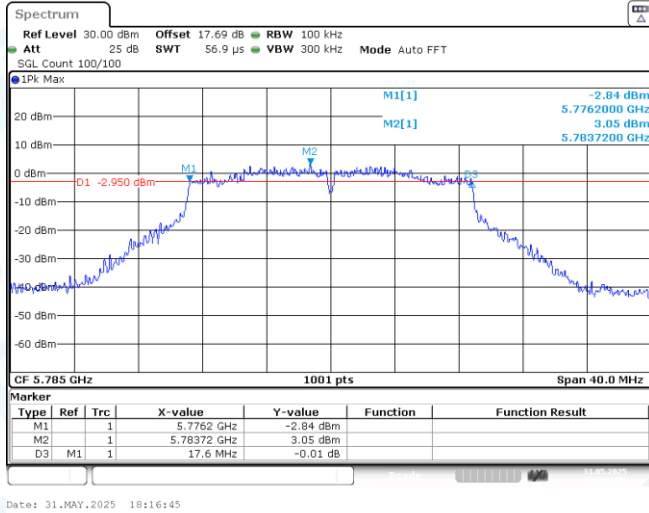
11N40MIMO-Ant2-5795-PASS



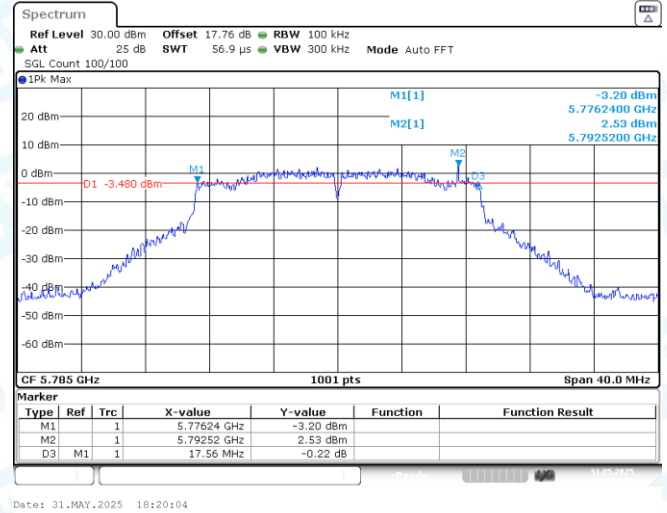
11AC20MIMO-Ant1-5745-PASS



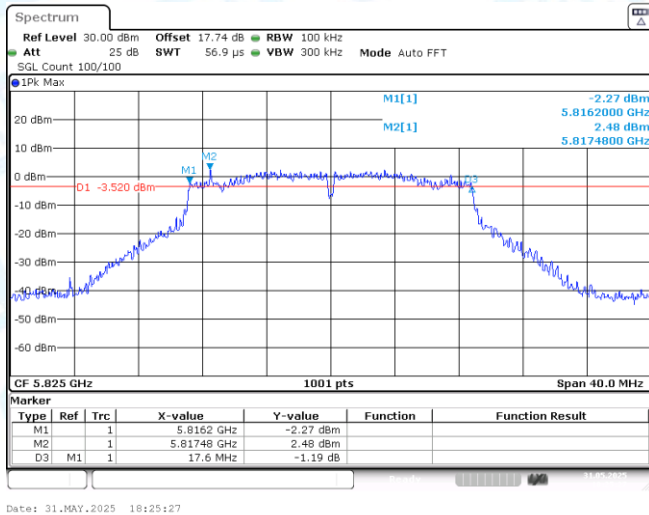
11AC20MIMO-Ant2-5745-PASS



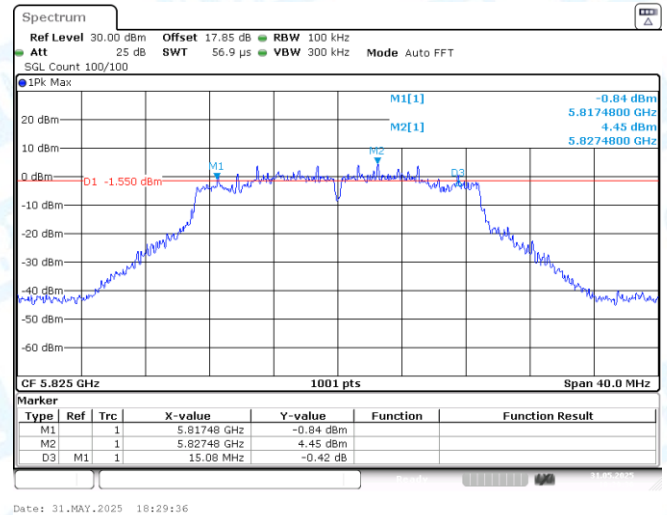
11AC20MIMO-Ant1-5785-PASS



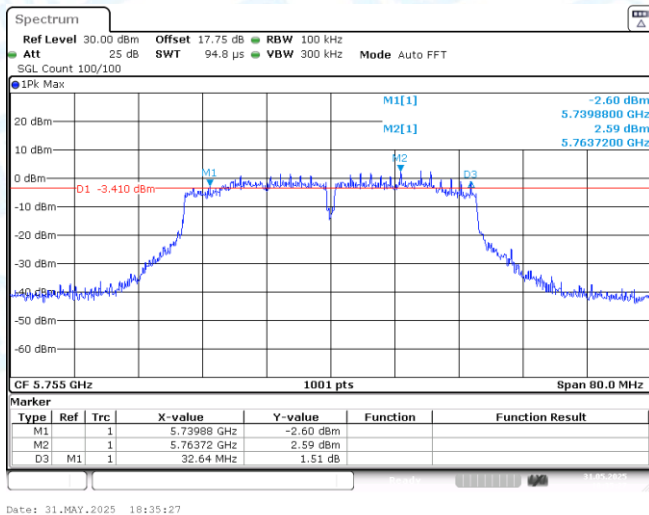
11AC20MIMO-Ant2-5785-PASS



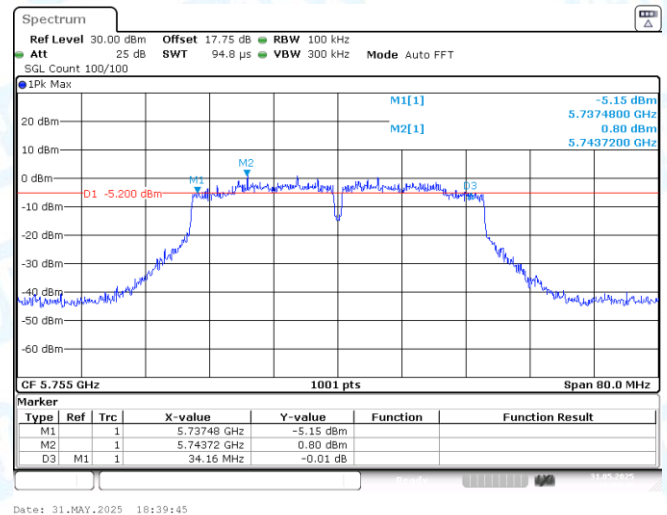
11AC20MIMO-Ant1-5825-PASS



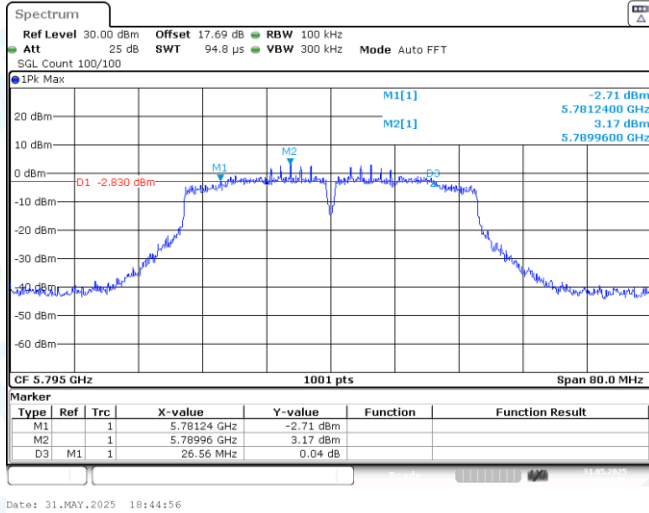
11AC20MIMO-Ant2-5825-PASS



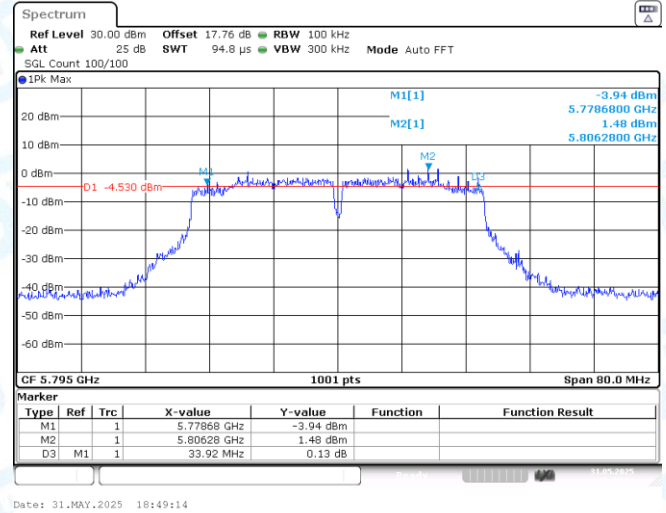
11AC40MIMO-Ant1-5755-PASS



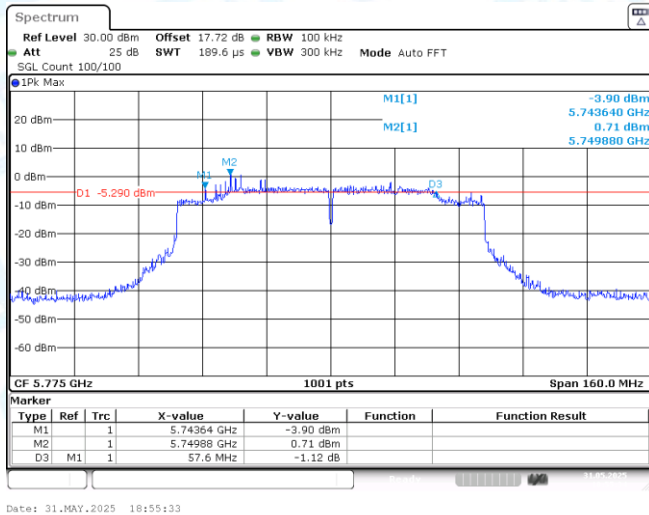
11AC40MIMO-Ant2-5755-PASS



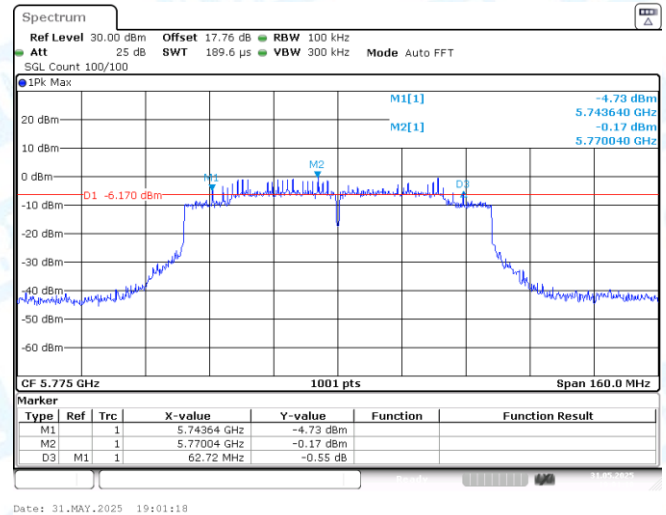
11AC40MIMO-Ant1-5795-PASS



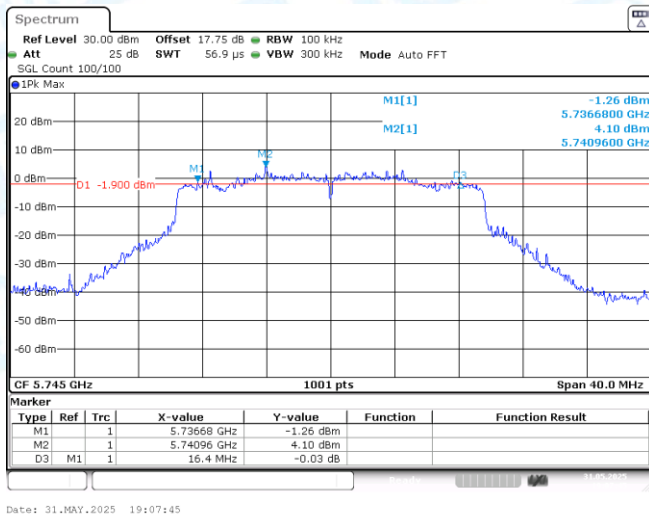
11AC40MIMO-Ant2-5795-PASS



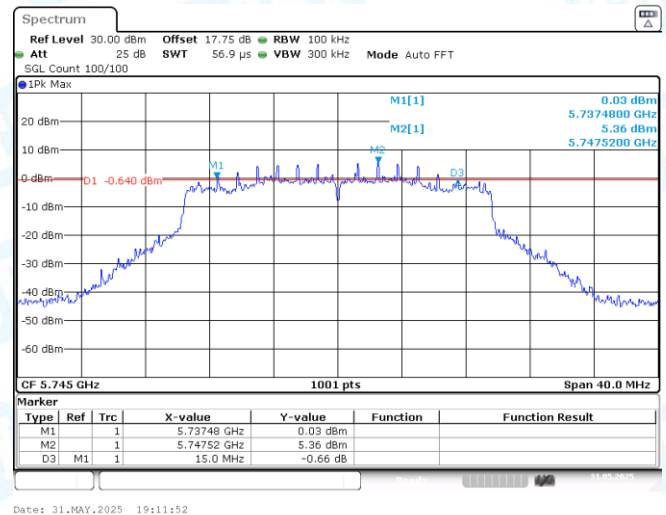
11AC80MIMO-Ant1-5775-PASS



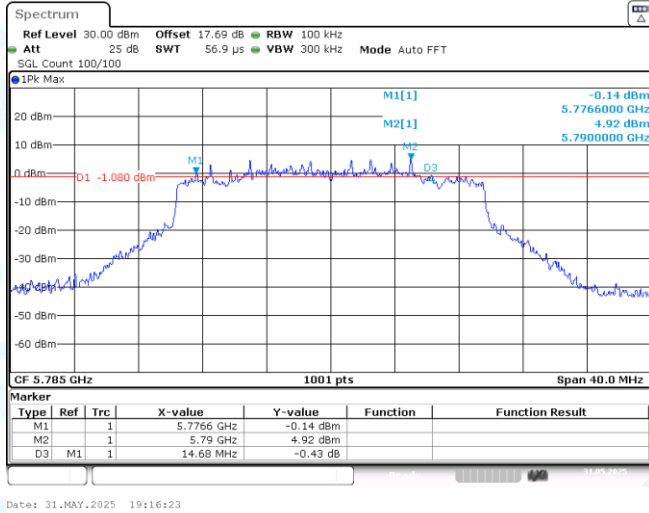
11AC80MIMO-Ant2-5775-PASS



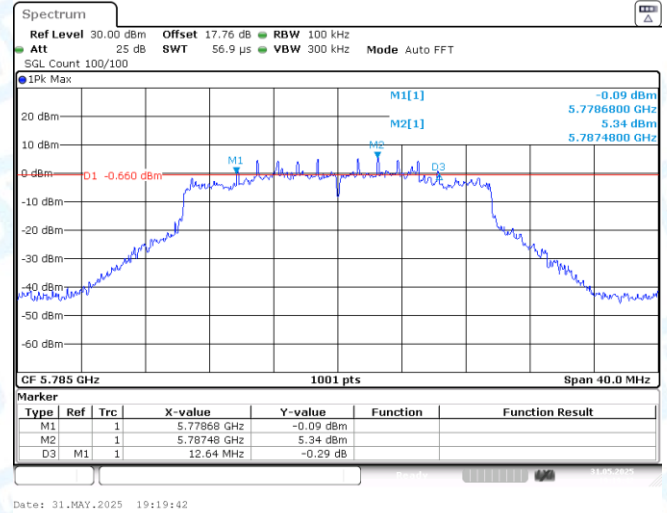
11AX20MIMO-Ant1-5745-PASS



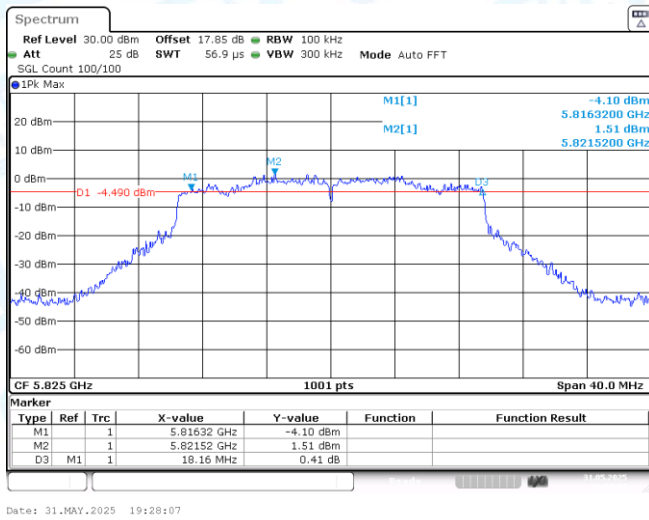
11AX20MIMO-Ant2-5745-PASS



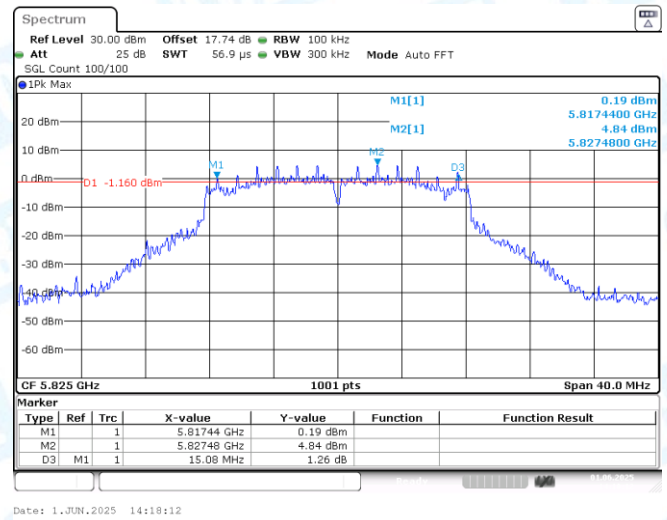
11AX20MIMO-Ant1-5785-PASS



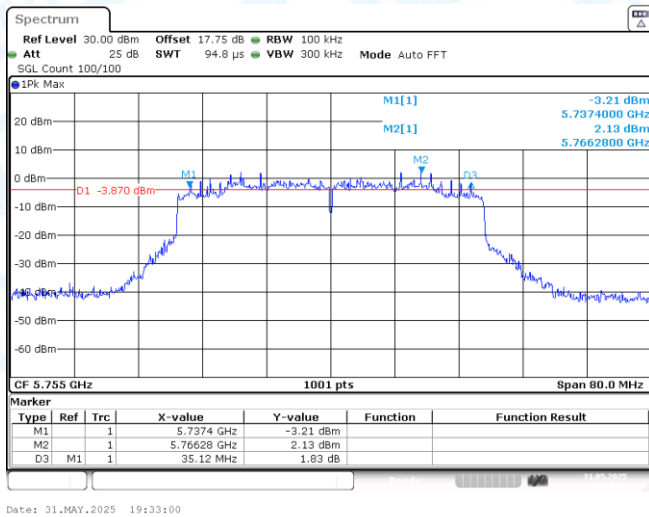
11AX20MIMO-Ant2-5785-PASS



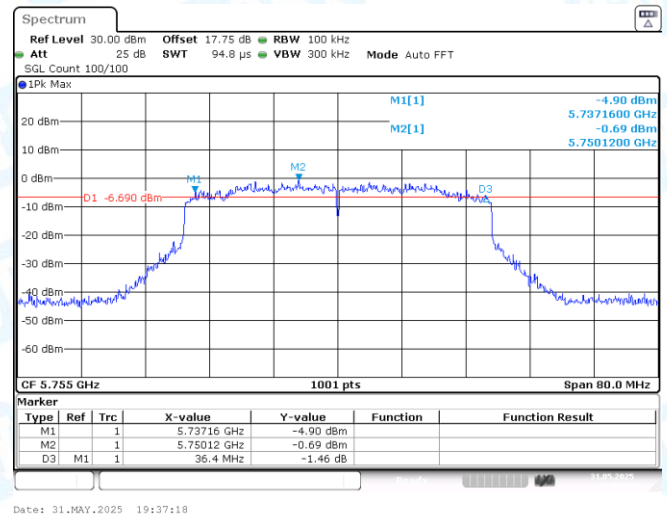
11AX20MIMO-Ant2-5825-PASS



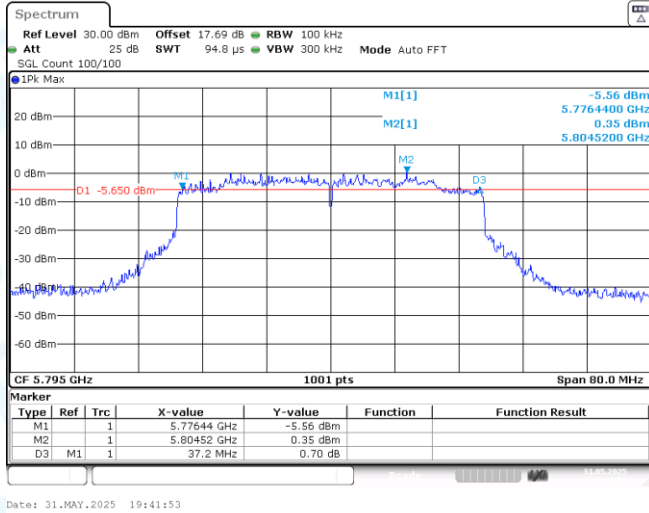
11AX20MIMO-Ant1-5825-PASS



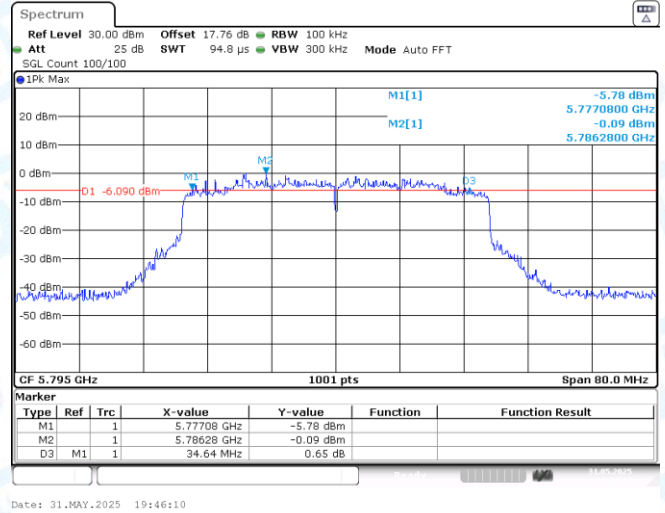
11AX40MIMO-Ant1-5755-PASS



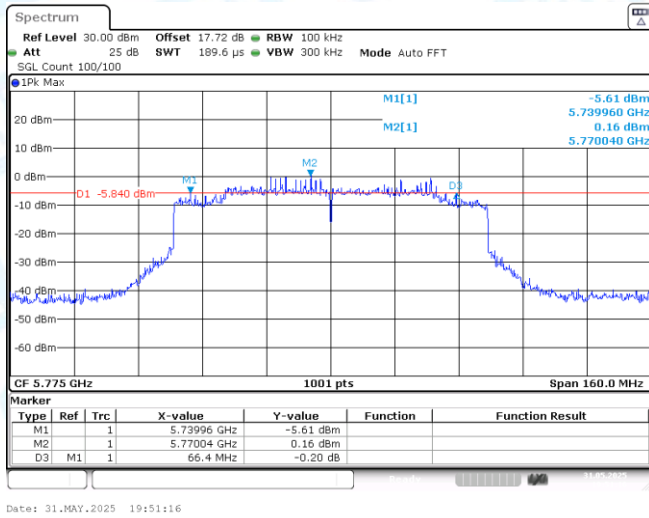
11AX40MIMO-Ant2-5755-PASS



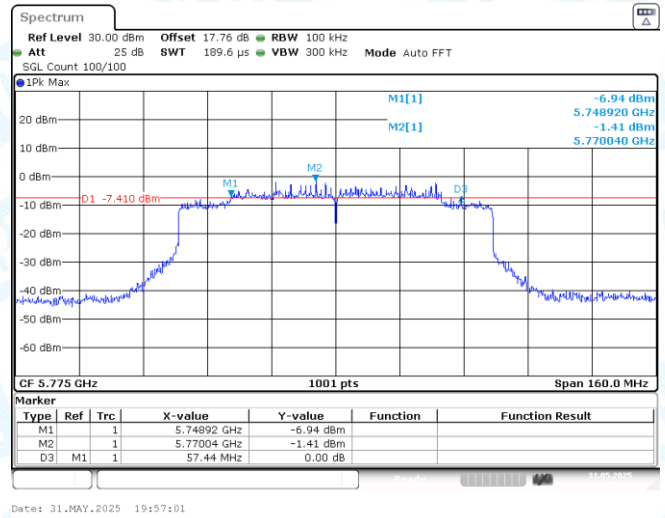
11AX40MIMO-Ant1-5795-PASS



11AX40MIMO-Ant2-5795-PASS



11AX80MIMO-Ant1-5775-PASS



11AX80MIMO-Ant2-5775-PASS

4: Duty Cycle

4.1 Test Result

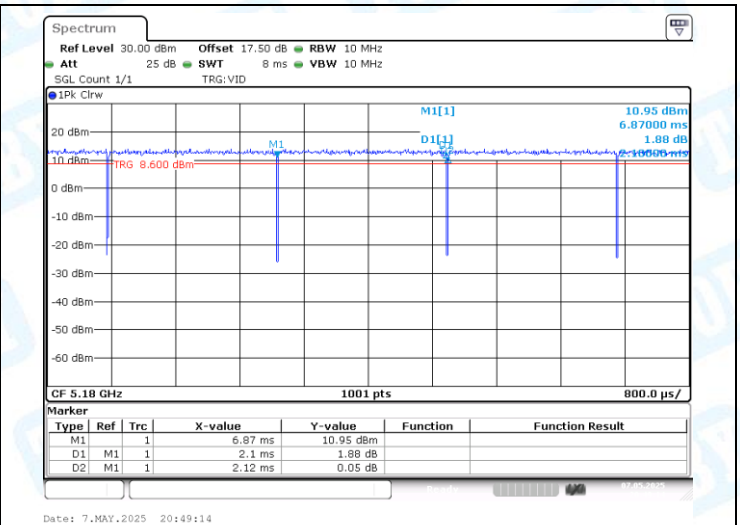
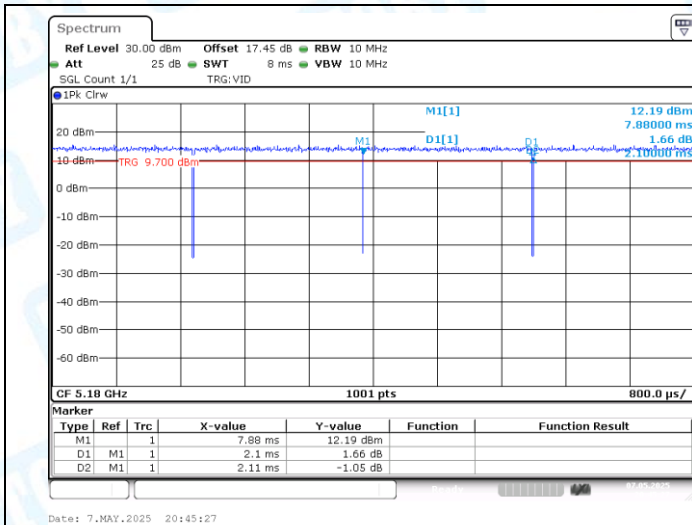
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factory	1/T [kHz]
11A-CDD	Ant1	5180	2.10	2.11	99.53	0.02	0.48
11A-CDD	Ant2	5180	2.10	2.12	99.06	0.04	0.48
11A-CDD	Ant1	5745	0.79	0.84	94.05	0.27	1.27
11A-CDD	Ant2	5745	0.79	0.84	94.05	0.27	1.27
11N20MIMO	Ant1	5180	5.41	5.43	99.63	0.02	0.18
11N20MIMO	Ant2	5180	3.96	4.01	98.75	0.05	0.25
11N20MIMO	Ant1	5745	1.56	1.60	97.50	0.11	0.64
11N20MIMO	Ant2	5745	1.55	1.60	96.88	0.14	0.65
11N40MIMO	Ant1	5190	4.74	4.75	99.79	0.01	0.21
11N40MIMO	Ant2	5190	3.93	3.99	98.50	0.07	0.25
11N40MIMO	Ant1	5755	1.53	1.58	96.84	0.14	0.65
11N40MIMO	Ant2	5755	1.54	1.59	96.86	0.14	0.65
11AC20MIMO	Ant1	5180	5.10	5.12	99.61	0.02	0.20
11AC20MIMO	Ant2	5180	5.09	5.11	99.61	0.02	0.20
11AC20MIMO	Ant1	5745	1.50	1.55	96.77	0.14	0.67
11AC20MIMO	Ant2	5745	1.51	1.56	96.79	0.14	0.66
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	1.54	1.58	97.47	0.11	0.65
11AC40MIMO	Ant2	5755	1.54	1.59	96.86	0.14	0.65
11AC80MIMO	Ant1	5210	1.37	1.39	98.56	0.06	0.73
11AC80MIMO	Ant2	5210	1.38	1.39	99.28	0.03	0.72
11AC80MIMO	Ant1	5775	1.48	1.53	96.73	0.14	0.68
11AC80MIMO	Ant2	5775	1.49	1.54	96.75	0.14	0.67
11AX20MIMO	Ant2	5180	5.41	5.43	99.63	0.02	0.18
11AX20MIMO	Ant1	5180	1.98	2.03	97.54	0.11	0.51
11AX20MIMO	Ant1	5745	1.52	1.57	96.82	0.14	0.66
11AX20MIMO	Ant2	5745	1.52	1.57	96.82	0.14	0.66
11AX40MIMO	Ant1	5190	3.62	3.65	99.18	0.04	0.28
11AX40MIMO	Ant2	5190	3.63	3.65	99.45	0.02	0.28
11AX40MIMO	Ant1	5755	1.51	1.55	97.42	0.11	0.66
11AX40MIMO	Ant2	5755	1.51	1.56	96.79	0.14	0.66
11AX80MIMO	Ant1	5210	2.67	2.68	99.63	0.02	0.37
11AX80MIMO	Ant2	5210	2.67	2.69	99.26	0.03	0.37
11AX80MIMO	Ant1	5775	1.51	1.56	96.79	0.14	0.66
11AX80MIMO	Ant2	5775	1.51	1.56	96.79	0.14	0.66

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

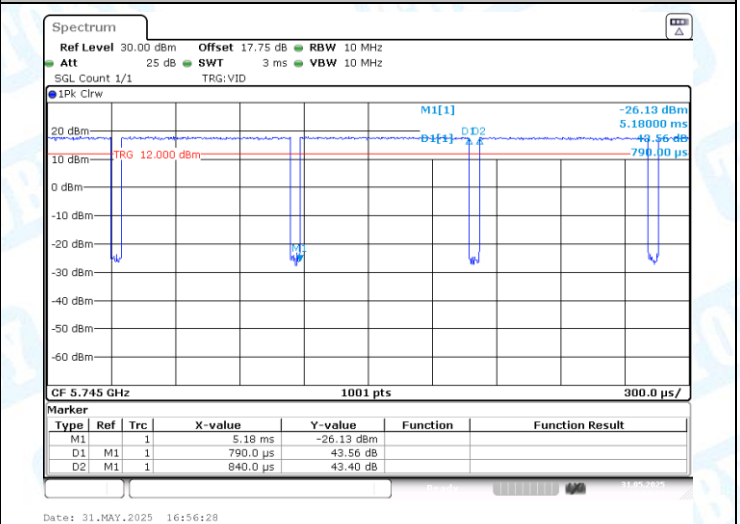
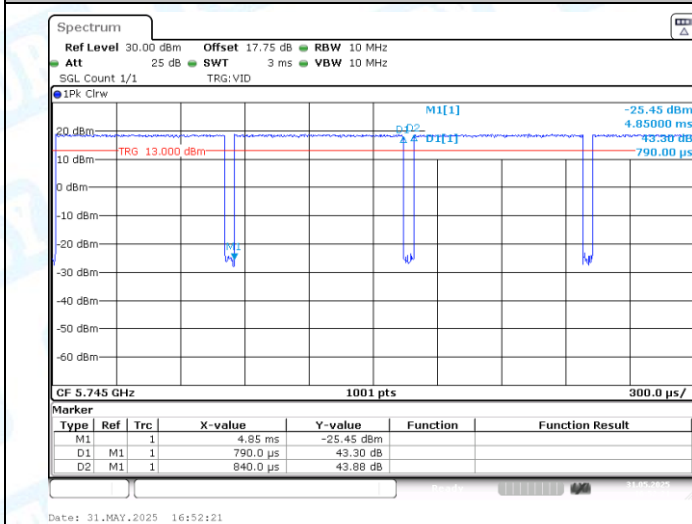
2, DC Factory=10*Log₁₀(1/Duty Cycle)

3, 1/T=1/ Transmission Duration

4.2 Test Graphs

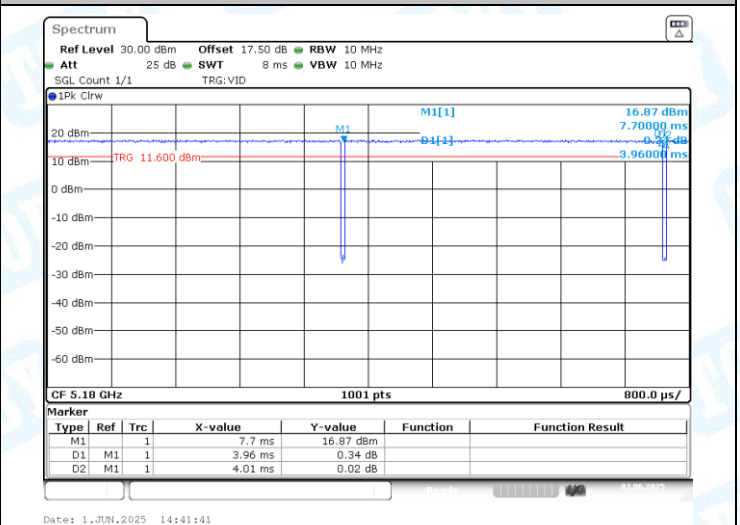
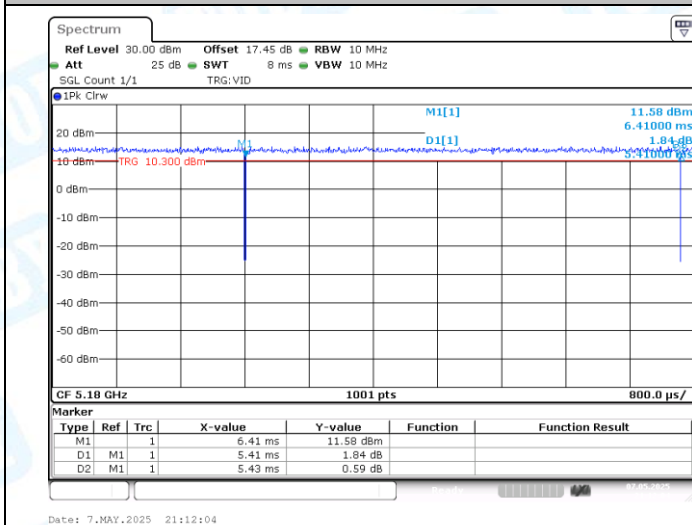


NTNV-11A-CDD-Ant1-5180



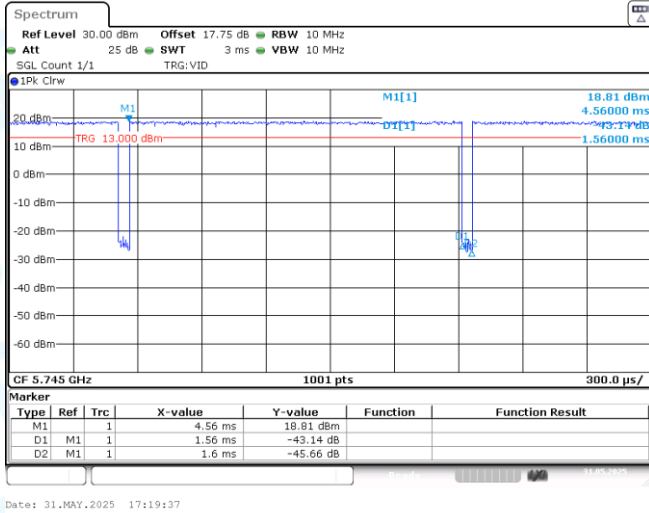
NTNV-11A-CDD-Ant1-5745

NTNV-11A-CDD-Ant2-5745

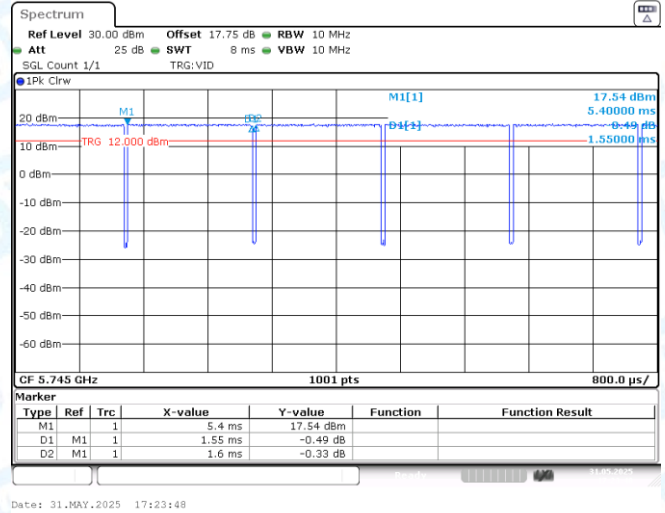


NTNV-11N20MIMO-Ant1-5180

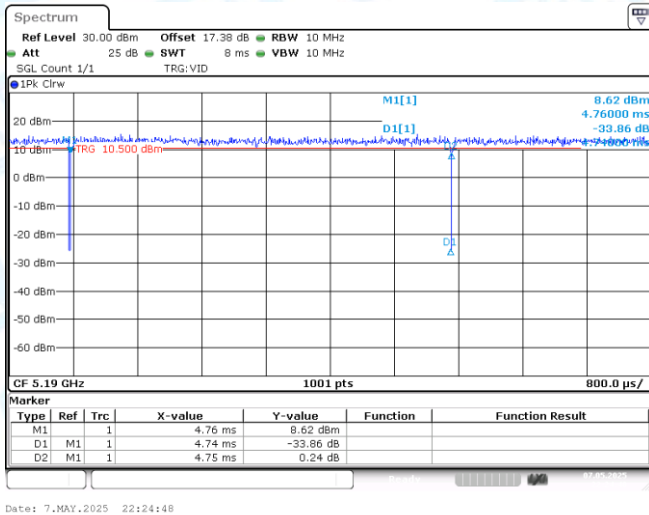
NTNV-11N20MIMO-Ant2-5180



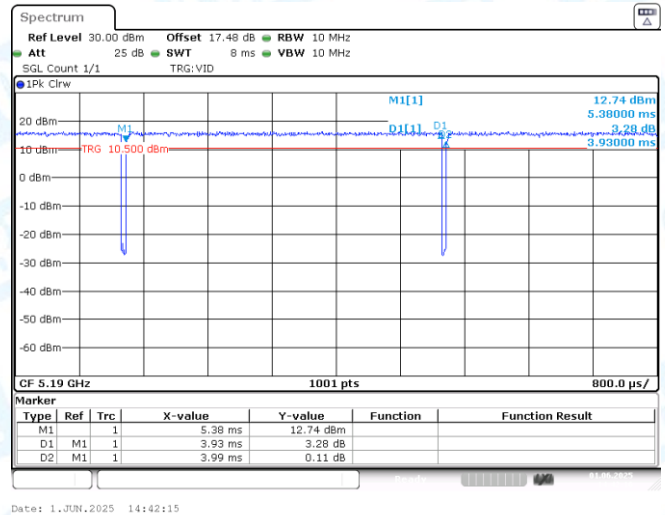
NTNV-11N20MIMO-Ant1-5745



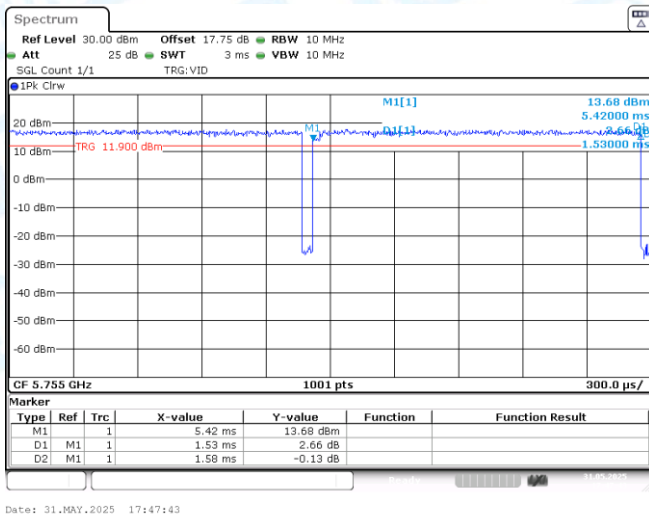
NTNV-11N20MIMO-Ant2-5745



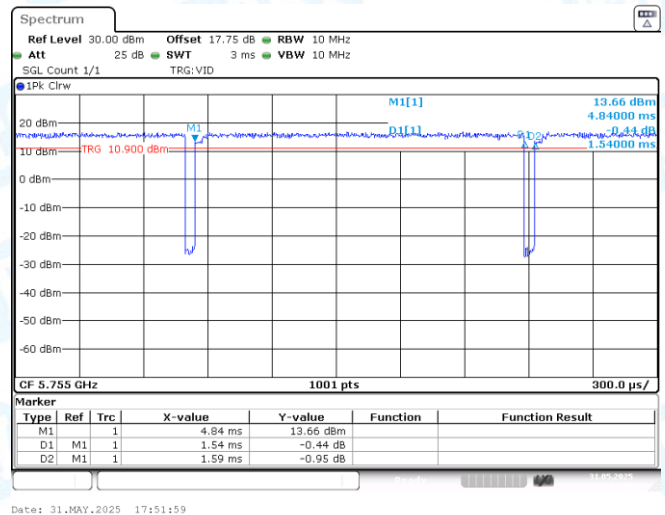
NTNV-11N40MIMO-Ant1-5190



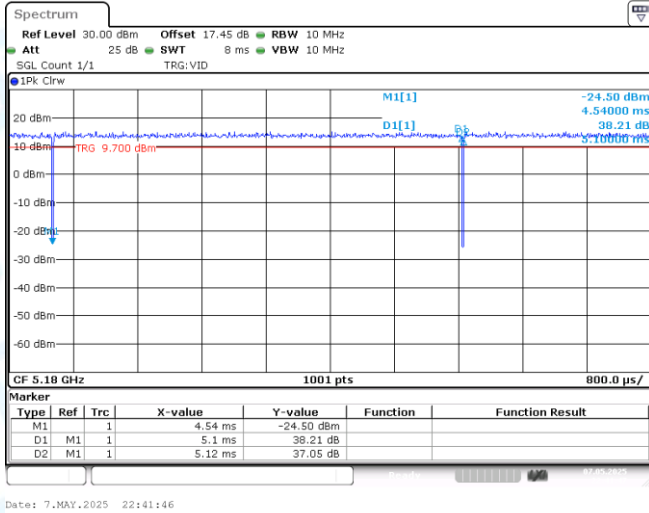
NTNV-11N40MIMO-Ant2-5190



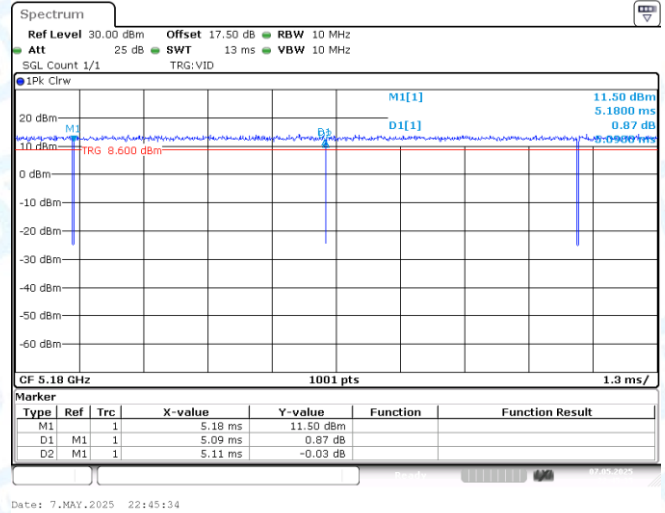
NTNV-11N40MIMO-Ant1-5755



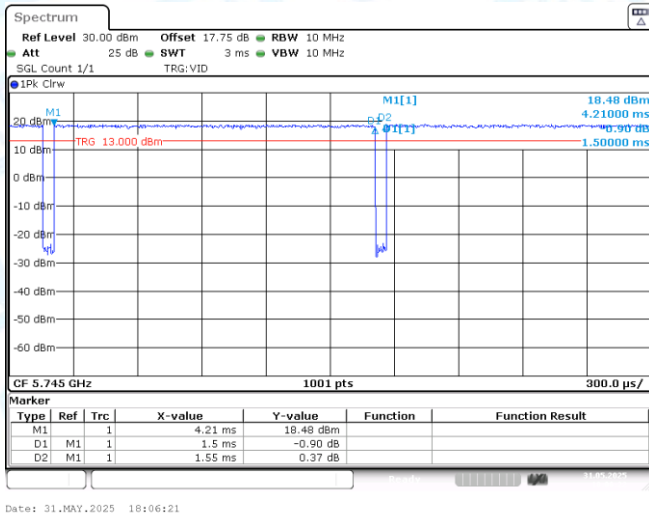
NTNV-11N40MIMO-Ant2-5755



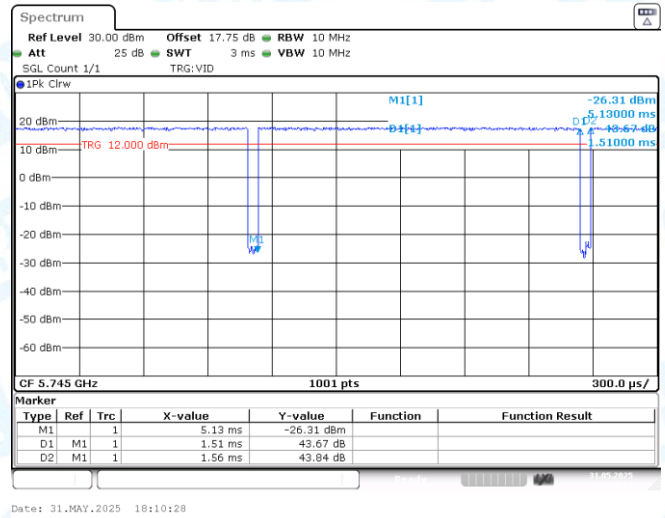
NTNV-11AC20MIMO-Ant1-5180



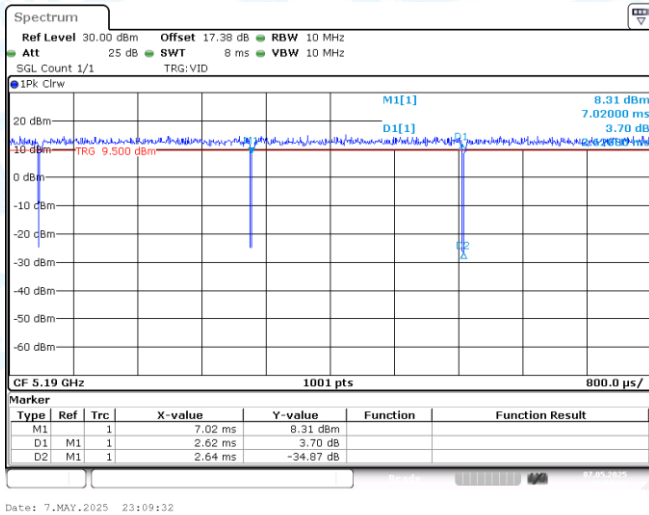
NTNV-11AC20MIMO-Ant2-5180



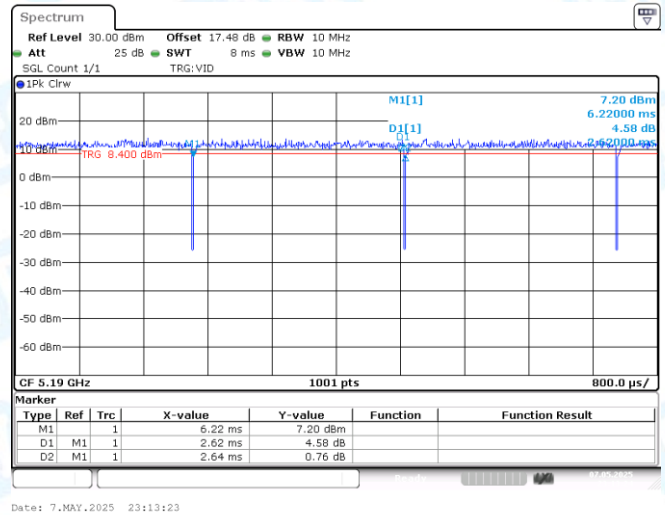
NTNV-11AC20MIMO-Ant1-5745



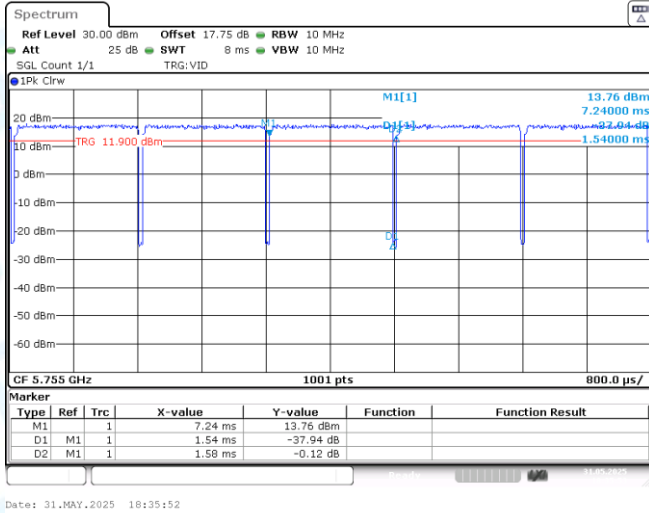
NTNV-11AC20MIMO-Ant2-5745



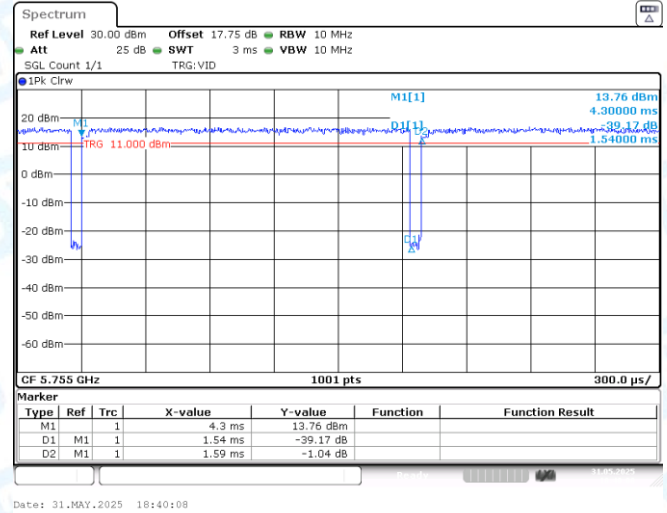
NTNV-11AC40MIMO-Ant1-5190



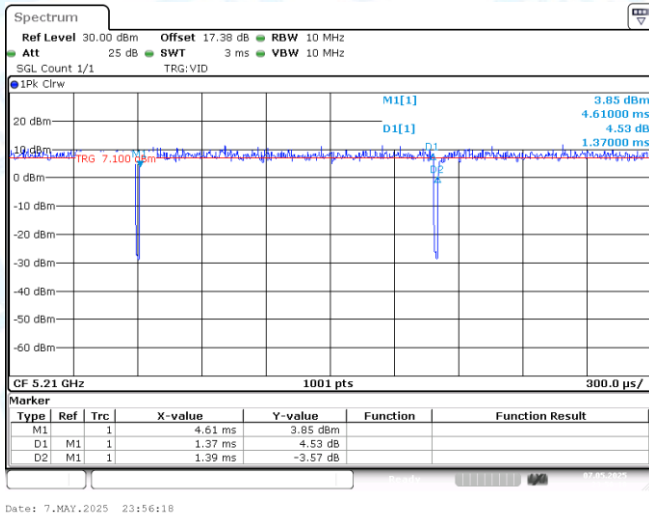
NTNV-11AC40MIMO-Ant2-5190



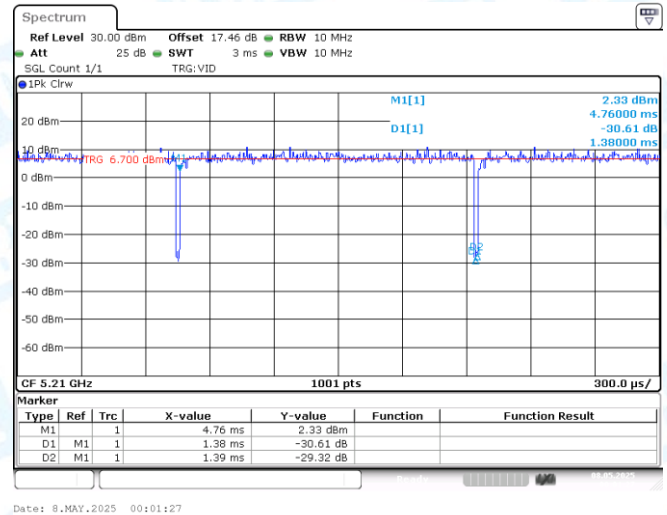
NTNV-11AC40MIMO-Ant1-5755



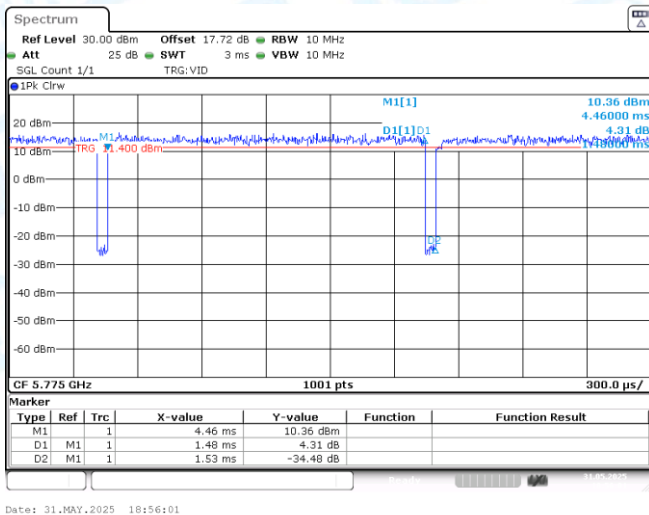
NTNV-11AC40MIMO-Ant2-5755



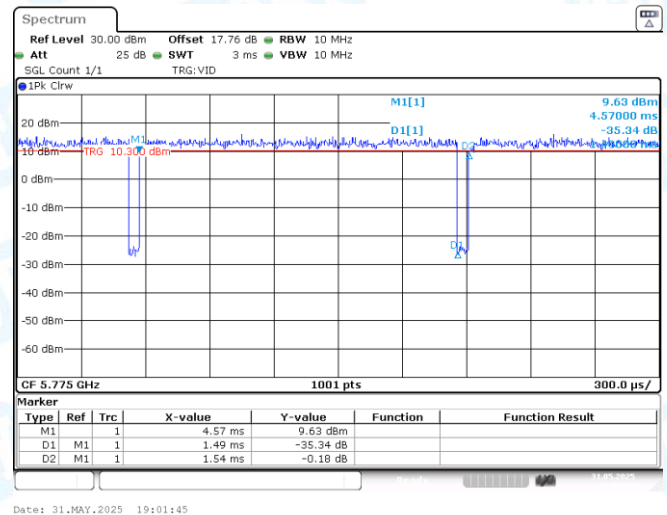
NTNV-11AC80MIMO-Ant1-5210



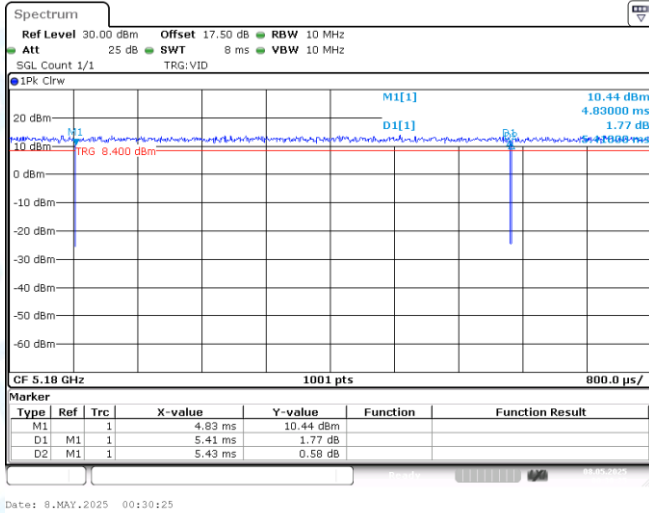
NTNV-11AC80MIMO-Ant2-5210



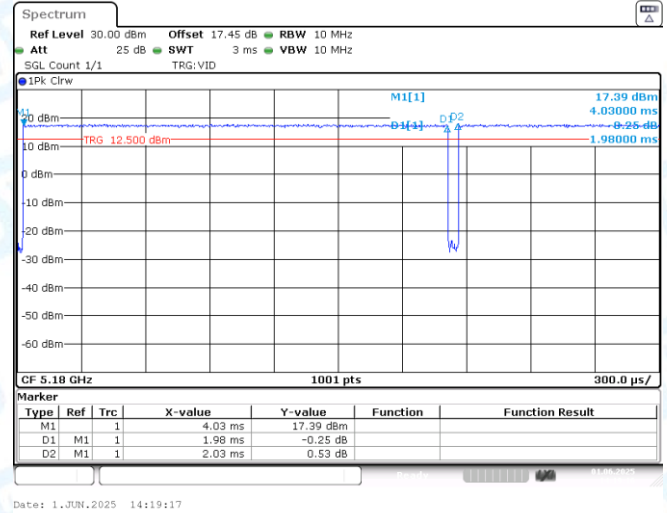
NTNV-11AC80MIMO-Ant1-5775



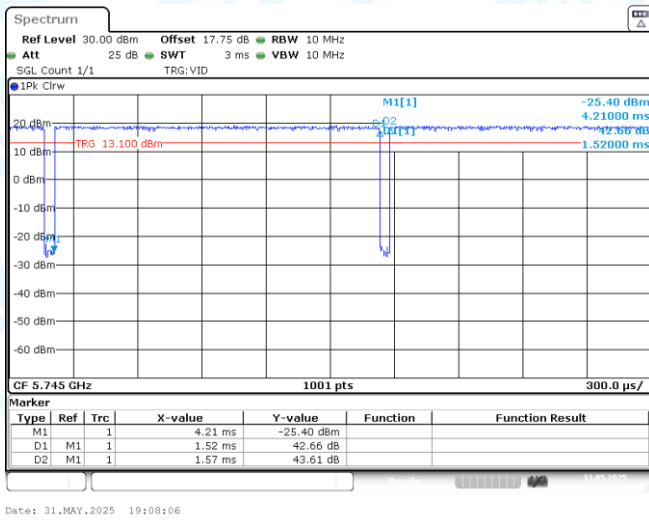
NTNV-11AC80MIMO-Ant2-5775



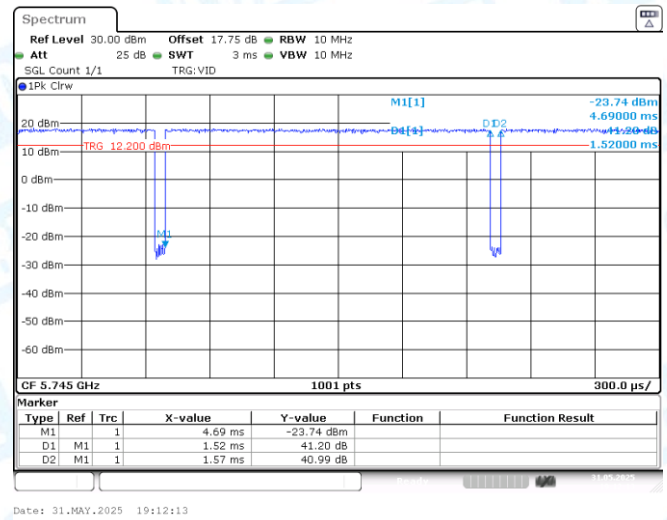
NTNV-11AX20MIMO-Ant2-5180



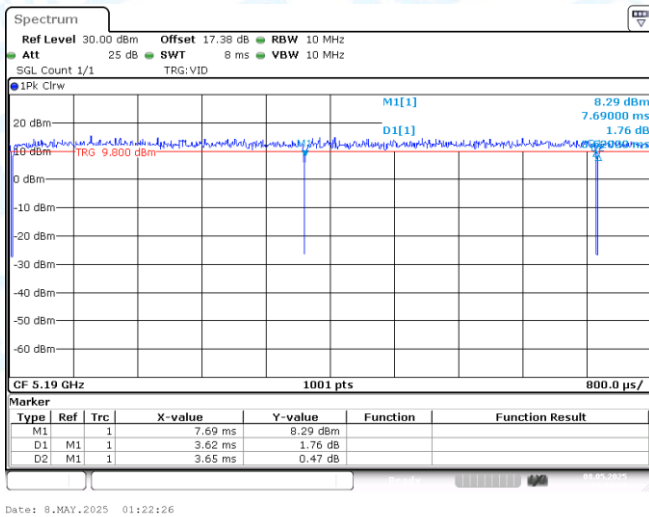
NTNV-11AX20MIMO-Ant1-5180



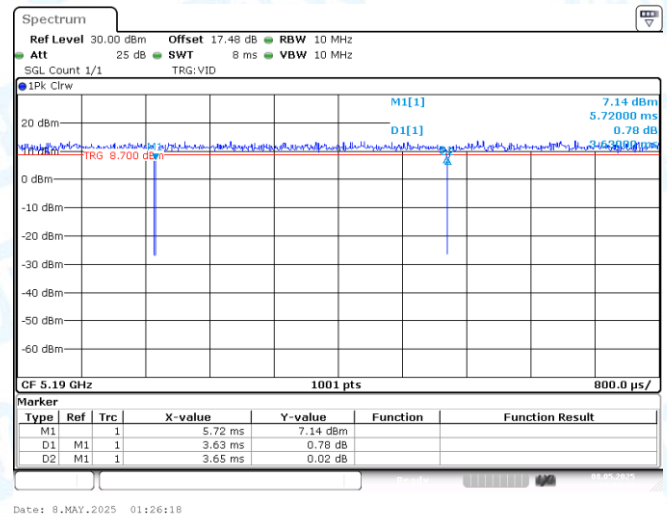
NTNV-11AX20MIMO-Ant1-5745



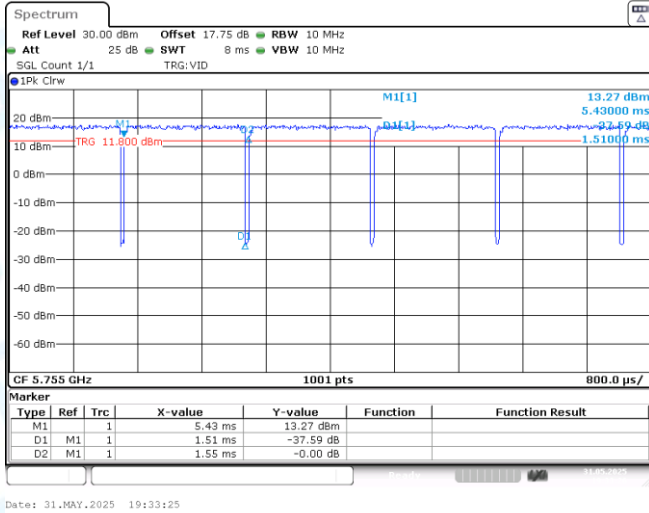
NTNV-11AX20MIMO-Ant2-5745



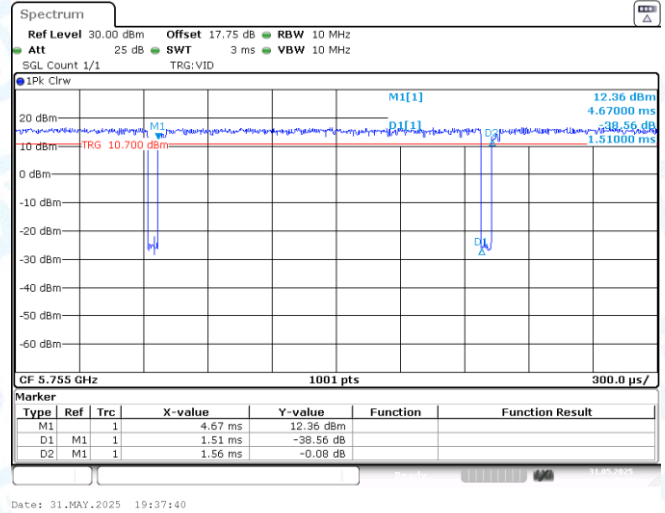
NTNV-11AX40MIMO-Ant1-5190



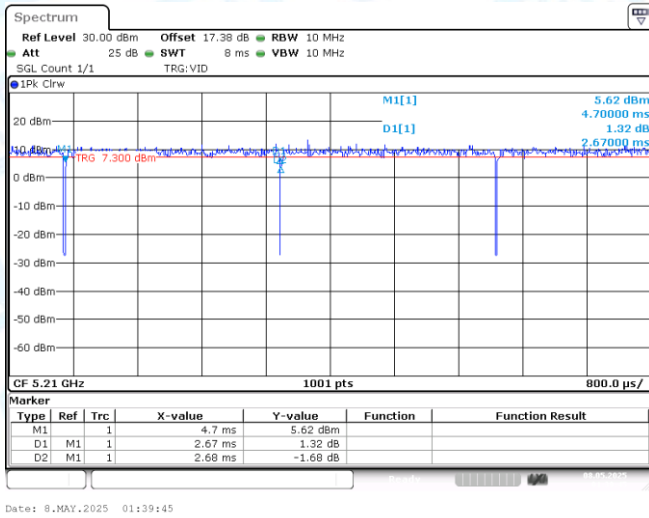
NTNV-11AX40MIMO-Ant2-5190



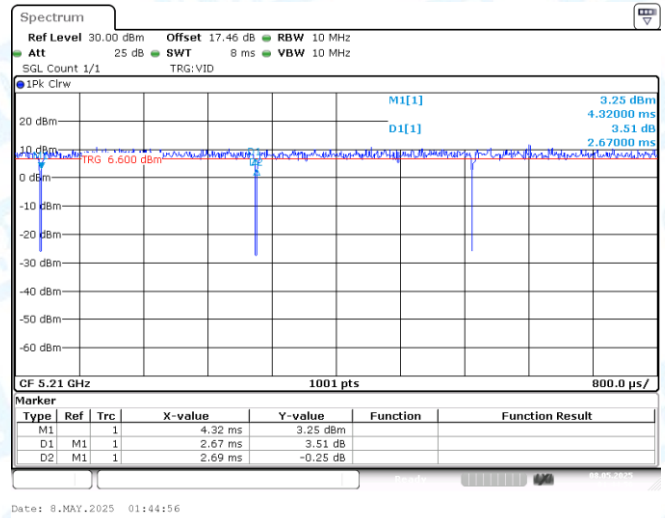
NTNV-11AX40MIMO-Ant1-5755



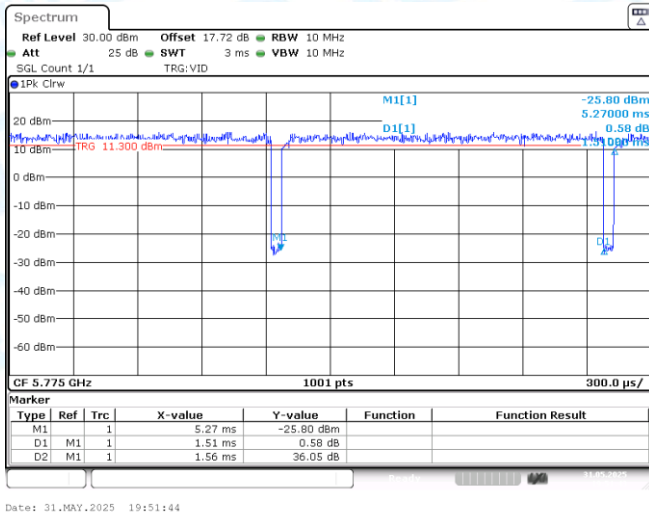
NTNV-11AX40MIMO-Ant2-5755



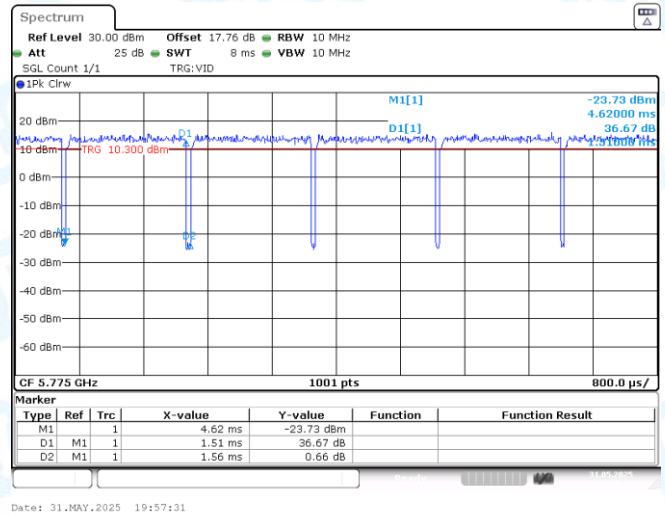
NTNV-11AX80MIMO-Ant1-5210



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]	Result [dBm]	Limit [dBm]	Verdict
11A-CDD	Ant1	5180	9.68	≤23.98	PASS
11A-CDD	Ant2	5180	9.48	≤23.98	PASS
11A-CDD	total	5180	12.59	≤23.98	PASS
11A-CDD	Ant1	5200	9.56	≤23.98	PASS
11A-CDD	Ant2	5200	9.74	≤23.98	PASS
11A-CDD	total	5200	12.66	≤23.98	PASS
11A-CDD	Ant1	5240	9.77	≤23.98	PASS
11A-CDD	Ant2	5240	10.34	≤23.98	PASS
11A-CDD	total	5240	13.07	≤23.98	PASS
11A-CDD	Ant1	5745	8.63	≤30.00	PASS
11A-CDD	Ant2	5745	9.27	≤30.00	PASS
11A-CDD	total	5745	11.97	≤29.82	PASS
11A-CDD	Ant1	5785	8.35	≤30.00	PASS
11A-CDD	Ant2	5785	9.33	≤30.00	PASS
11A-CDD	total	5785	11.88	≤29.82	PASS
11A-CDD	Ant1	5825	7.80	≤30.00	PASS
11A-CDD	Ant2	5825	9.05	≤30.00	PASS
11A-CDD	total	5825	11.48	≤29.82	PASS
11N20MIMO	Ant1	5180	9.25	≤23.98	PASS
11N20MIMO	Ant2	5180	9.15	≤23.98	PASS
11N20MIMO	total	5180	12.21	≤23.98	PASS
11N20MIMO	Ant1	5200	8.70	≤23.98	PASS
11N20MIMO	Ant2	5200	9.29	≤23.98	PASS
11N20MIMO	total	5200	12.02	≤23.98	PASS
11N20MIMO	Ant1	5240	8.12	≤23.98	PASS
11N20MIMO	Ant2	5240	9.82	≤23.98	PASS
11N20MIMO	total	5240	12.06	≤23.98	PASS
11N20MIMO	Ant1	5745	8.29	≤30.00	PASS
11N20MIMO	Ant2	5745	8.72	≤30.00	PASS
11N20MIMO	total	5745	11.52	≤29.82	PASS
11N20MIMO	Ant1	5785	7.96	≤30.00	PASS
11N20MIMO	Ant2	5785	8.66	≤30.00	PASS
11N20MIMO	total	5785	11.33	≤29.82	PASS
11N20MIMO	Ant1	5825	7.23	≤30.00	PASS
11N20MIMO	Ant2	5825	8.38	≤30.00	PASS
11N20MIMO	total	5825	10.85	≤29.82	PASS
11N40MIMO	Ant1	5190	10.23	≤23.98	PASS
11N40MIMO	Ant2	5190	10.22	≤23.98	PASS
11N40MIMO	total	5190	13.24	≤23.98	PASS
11N40MIMO	Ant1	5230	10.10	≤23.98	PASS
11N40MIMO	Ant2	5230	10.20	≤23.98	PASS

11N40MIMO	total	5230	13.16	≤23.98	PASS
11N40MIMO	Ant1	5755	8.68	≤30.00	PASS
11N40MIMO	Ant2	5755	9.38	≤30.00	PASS
11N40MIMO	total	5755	12.05	≤29.82	PASS
11N40MIMO	Ant1	5795	8.53	≤30.00	PASS
11N40MIMO	Ant2	5795	9.71	≤30.00	PASS
11N40MIMO	total	5795	12.17	≤29.82	PASS
11AC20MIMO	Ant1	5180	9.53	≤23.98	PASS
11AC20MIMO	Ant2	5180	8.96	≤23.98	PASS
11AC20MIMO	total	5180	12.26	≤23.98	PASS
11AC20MIMO	Ant1	5200	8.48	≤23.98	PASS
11AC20MIMO	Ant2	5200	9.06	≤23.98	PASS
11AC20MIMO	total	5200	11.79	≤23.98	PASS
11AC20MIMO	Ant1	5240	9.41	≤23.98	PASS
11AC20MIMO	Ant2	5240	10.19	≤23.98	PASS
11AC20MIMO	total	5240	12.83	≤23.98	PASS
11AC20MIMO	Ant1	5745	8.67	≤30.00	PASS
11AC20MIMO	Ant2	5745	9.18	≤30.00	PASS
11AC20MIMO	total	5745	11.94	≤29.82	PASS
11AC20MIMO	Ant1	5785	7.79	≤30.00	PASS
11AC20MIMO	Ant2	5785	8.54	≤30.00	PASS
11AC20MIMO	total	5785	11.19	≤29.82	PASS
11AC20MIMO	Ant1	5825	7.91	≤30.00	PASS
11AC20MIMO	Ant2	5825	8.71	≤30.00	PASS
11AC20MIMO	total	5825	11.34	≤29.82	PASS
11AC40MIMO	Ant1	5190	10.07	≤23.98	PASS
11AC40MIMO	Ant2	5190	10.31	≤23.98	PASS
11AC40MIMO	total	5190	13.20	≤23.98	PASS
11AC40MIMO	Ant1	5230	9.92	≤23.98	PASS
11AC40MIMO	Ant2	5230	10.68	≤23.98	PASS
11AC40MIMO	total	5230	13.33	≤23.98	PASS
11AC40MIMO	Ant1	5755	9.23	≤30.00	PASS
11AC40MIMO	Ant2	5755	9.93	≤30.00	PASS
11AC40MIMO	total	5755	12.60	≤29.82	PASS
11AC40MIMO	Ant1	5795	8.92	≤30.00	PASS
11AC40MIMO	Ant2	5795	9.82	≤30.00	PASS
11AC40MIMO	total	5795	12.40	≤29.82	PASS
11AC80MIMO	Ant1	5210	9.55	≤23.98	PASS
11AC80MIMO	Ant2	5210	9.87	≤23.98	PASS
11AC80MIMO	total	5210	12.72	≤23.98	PASS
11AC80MIMO	Ant1	5775	8.34	≤30.00	PASS
11AC80MIMO	Ant2	5775	9.57	≤30.00	PASS
11AC80MIMO	total	5775	12.01	≤29.82	PASS
11AX20MIMO	Ant1	5180	9.26	≤23.98	PASS
11AX20MIMO	Ant2	5180	9.25	≤23.98	PASS

11AX20MIMO	total	5180	12.27	≤23.98	PASS
11AX20MIMO	Ant1	5200	9.39	≤23.98	PASS
11AX20MIMO	Ant2	5200	9.50	≤23.98	PASS
11AX20MIMO	total	5200	12.46	≤23.98	PASS
11AX20MIMO	Ant1	5240	9.21	≤23.98	PASS
11AX20MIMO	Ant2	5240	10.03	≤23.98	PASS
11AX20MIMO	total	5240	12.65	≤23.98	PASS
11AX20MIMO	Ant1	5745	8.37	≤30.00	PASS
11AX20MIMO	Ant2	5745	9.03	≤30.00	PASS
11AX20MIMO	total	5745	11.72	≤29.82	PASS
11AX20MIMO	Ant1	5785	8.04	≤30.00	PASS
11AX20MIMO	Ant2	5785	9.42	≤30.00	PASS
11AX20MIMO	total	5785	11.79	≤29.82	PASS
11AX20MIMO	Ant1	5825	7.87	≤30.00	PASS
11AX20MIMO	Ant2	5825	8.62	≤30.00	PASS
11AX20MIMO	total	5825	11.27	≤29.82	PASS
11AX40MIMO	Ant1	5190	9.85	≤23.98	PASS
11AX40MIMO	Ant2	5190	9.90	≤23.98	PASS
11AX40MIMO	total	5190	12.89	≤23.98	PASS
11AX40MIMO	Ant1	5230	9.35	≤23.98	PASS
11AX40MIMO	Ant2	5230	10.62	≤23.98	PASS
11AX40MIMO	total	5230	13.04	≤23.98	PASS
11AX40MIMO	Ant1	5755	8.81	≤30.00	PASS
11AX40MIMO	Ant2	5755	9.85	≤30.00	PASS
11AX40MIMO	total	5755	12.37	≤29.82	PASS
11AX40MIMO	Ant1	5795	8.16	≤30.00	PASS
11AX40MIMO	Ant2	5795	9.39	≤30.00	PASS
11AX40MIMO	total	5795	11.83	≤29.82	PASS
11AX80MIMO	Ant1	5210	9.48	≤23.98	PASS
11AX80MIMO	Ant2	5210	9.91	≤23.98	PASS
11AX80MIMO	total	5210	12.71	≤23.98	PASS
11AX80MIMO	Ant1	5775	9.03	≤30.00	PASS
11AX80MIMO	Ant2	5775	9.49	≤30.00	PASS
11AX80MIMO	total	5775	12.28	≤29.82	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=6.18dBi>6dBi. (Ant.1: 2.79dBi; Ant.2: 3.55dBi) For U-NII-3: 5745MHz-5825MHz So $P_{out} = P_{limit} - (G_{TX} - 6) = (30 - 0.18) \text{dBm} = 29.82 \text{dBm}$ For U-NII-3: 5745MHz-5825MHz Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$ The Duty Cycle Factor is compensated in the graph.					

6: Maximum power spectral density

6.1 Test Result

Test Mode	Ant.	Frequency [MHz]	RawData [dBm/3kHz]	DC Factory	Result [dBm/MHz] Result [dBm/500kHz]	Limit[dBm/MHz] Limit[dBm/500kHz]	Verdict
11A-CDD	Ant1	5180	-1.6	0.02	-1.58	≤11.00	PASS
11A-CDD	Ant2	5180	-1.85	0.04	-1.81	≤11.00	PASS
11A-CDD	total	5180	---	---	1.32	≤11.00	PASS
11A-CDD	Ant1	5200	-1.54	0.07	-1.47	≤11.00	PASS
11A-CDD	Ant2	5200	-1.68	0.05	-1.63	≤11.00	PASS
11A-CDD	total	5200	---	---	1.46	≤11.00	PASS
11A-CDD	Ant1	5240	-1.58	0.06	-1.52	≤11.00	PASS
11A-CDD	Ant2	5240	-1.08	0.07	-1.01	≤11.00	PASS
11A-CDD	total	5240	---	---	1.75	≤11.00	PASS
11A-CDD	Ant1	5745	-5.19	0.27	-4.92	≤30.00	PASS
11A-CDD	Ant2	5745	-4.99	0.27	-4.72	≤30.00	PASS
11A-CDD	total	5745	---	---	-1.81	≤29.82	PASS
11A-CDD	Ant1	5785	-5.88	0.06	-5.82	≤30.00	PASS
11A-CDD	Ant2	5785	-5.22	0.06	-5.16	≤30.00	PASS
11A-CDD	total	5785	---	---	-2.47	≤29.82	PASS
11A-CDD	Ant1	5825	-6.06	0.05	-6.01	≤30.00	PASS
11A-CDD	Ant2	5825	-5.42	0.06	-5.36	≤30.00	PASS
11A-CDD	total	5825	---	---	-2.66	≤29.82	PASS
11N20MIMO	Ant1	5180	-1.93	0.02	-1.91	≤11.00	PASS
11N20MIMO	Ant2	5180	-2.17	0.05	-2.12	≤11.00	PASS
11N20MIMO	total	5180	---	---	1.00	≤11.00	PASS
11N20MIMO	Ant1	5200	-1.92	0.02	-1.90	≤11.00	PASS
11N20MIMO	Ant2	5200	-1.97	0.04	-1.93	≤11.00	PASS
11N20MIMO	total	5200	---	---	1.10	≤11.00	PASS
11N20MIMO	Ant1	5240	-1.95	0.03	-1.92	≤11.00	PASS
11N20MIMO	Ant2	5240	-1.36	0.00	-1.36	≤11.00	PASS
11N20MIMO	total	5240	---	---	1.38	≤11.00	PASS
11N20MIMO	Ant1	5745	-5.53	0.11	-5.42	≤30.00	PASS
11N20MIMO	Ant2	5745	-5.27	0.14	-5.13	≤30.00	PASS
11N20MIMO	total	5745	---	---	-2.26	≤29.82	PASS
11N20MIMO	Ant1	5785	-6.1	0.03	-6.07	≤30.00	PASS
11N20MIMO	Ant2	5785	-5.39	0.03	-5.36	≤30.00	PASS
11N20MIMO	total	5785	---	---	-2.69	≤29.82	PASS
11N20MIMO	Ant1	5825	-6.37	0.03	-6.34	≤30.00	PASS
11N20MIMO	Ant2	5825	-5.75	0.02	-5.73	≤30.00	PASS
11N20MIMO	total	5825	---	---	-3.01	≤29.82	PASS
11N40MIMO	Ant1	5190	-4.32	0.01	-4.31	≤11.00	PASS
11N40MIMO	Ant2	5190	-4.29	0.07	-4.22	≤11.00	PASS
11N40MIMO	total	5190	---	---	-1.25	≤11.00	PASS
11N40MIMO	Ant1	5230	-4.5	0.03	-4.47	≤11.00	PASS

11N40MIMO	Ant2	5230	-4.07	0.04	-4.03	≤11.00	PASS
11N40MIMO	total	5230	---	---	-1.23	≤11.00	PASS
11N40MIMO	Ant1	5755	-8.1	0.14	-7.96	≤30.00	PASS
11N40MIMO	Ant2	5755	-7.81	0.14	-7.67	≤30.00	PASS
11N40MIMO	total	5755	---	---	-4.80	≤29.82	PASS
11N40MIMO	Ant1	5795	-8.67	0.03	-8.64	≤30.00	PASS
11N40MIMO	Ant2	5795	-7.91	0.03	-7.88	≤30.00	PASS
11N40MIMO	total	5795	---	---	-5.23	≤29.82	PASS
11AC20MIMO	Ant1	5180	-1.89	0.02	-1.87	≤11.00	PASS
11AC20MIMO	Ant2	5180	-2.12	0.02	-2.10	≤11.00	PASS
11AC20MIMO	total	5180	---	---	1.03	≤11.00	PASS
11AC20MIMO	Ant1	5200	-1.93	0.04	-1.89	≤11.00	PASS
11AC20MIMO	Ant2	5200	-1.79	0.04	-1.75	≤11.00	PASS
11AC20MIMO	total	5200	---	---	1.19	≤11.00	PASS
11AC20MIMO	Ant1	5240	-1.96	0.04	-1.92	≤11.00	PASS
11AC20MIMO	Ant2	5240	-1.39	0.03	-1.36	≤11.00	PASS
11AC20MIMO	total	5240	---	---	1.38	≤11.00	PASS
11AC20MIMO	Ant1	5745	-5.49	0.14	-5.35	≤30.00	PASS
11AC20MIMO	Ant2	5745	-5.43	0.14	-5.29	≤30.00	PASS
11AC20MIMO	total	5745	---	---	-2.31	≤29.82	PASS
11AC20MIMO	Ant1	5785	-6.07	0.03	-6.04	≤30.00	PASS
11AC20MIMO	Ant2	5785	-5.35	0.03	-5.32	≤30.00	PASS
11AC20MIMO	total	5785	---	---	-2.65	≤29.82	PASS
11AC20MIMO	Ant1	5825	-6.35	0.03	-6.32	≤30.00	PASS
11AC20MIMO	Ant2	5825	-5.64	0.04	-5.60	≤30.00	PASS
11AC20MIMO	total	5825	---	---	-2.93	≤29.82	PASS
11AC40MIMO	Ant1	5190	-4.4	0.03	-4.37	≤11.00	PASS
11AC40MIMO	Ant2	5190	-4.36	0.03	-4.33	≤11.00	PASS
11AC40MIMO	total	5190	---	---	-1.34	≤11.00	PASS
11AC40MIMO	Ant1	5230	-4.52	0.06	-4.46	≤11.00	PASS
11AC40MIMO	Ant2	5230	-4.15	0.05	-4.10	≤11.00	PASS
11AC40MIMO	total	5230	---	---	-1.27	≤11.00	PASS
11AC40MIMO	Ant1	5755	-8.03	0.11	-7.92	≤30.00	PASS
11AC40MIMO	Ant2	5755	-7.72	0.14	-7.58	≤30.00	PASS
11AC40MIMO	total	5755	---	---	-4.74	≤29.82	PASS
11AC40MIMO	Ant1	5795	-8.57	0.05	-8.52	≤30.00	PASS
11AC40MIMO	Ant2	5795	-7.94	0.05	-7.89	≤30.00	PASS
11AC40MIMO	total	5795	---	---	-5.18	≤29.82	PASS
11AC80MIMO	Ant1	5210	-7.73	0.06	-7.67	≤11.00	PASS
11AC80MIMO	Ant2	5210	-7.05	0.03	-7.02	≤11.00	PASS
11AC80MIMO	total	5210	---	---	-4.32	≤11.00	PASS
11AC80MIMO	Ant1	5775	-11.53	0.14	-11.39	≤30.00	PASS
11AC80MIMO	Ant2	5775	-10.81	0.14	-10.67	≤30.00	PASS
11AC80MIMO	total	5775	---	---	-8.00	≤29.82	PASS
11AX20MIMO	Ant1	5180	-2.19	0.11	-2.08	≤11.00	PASS

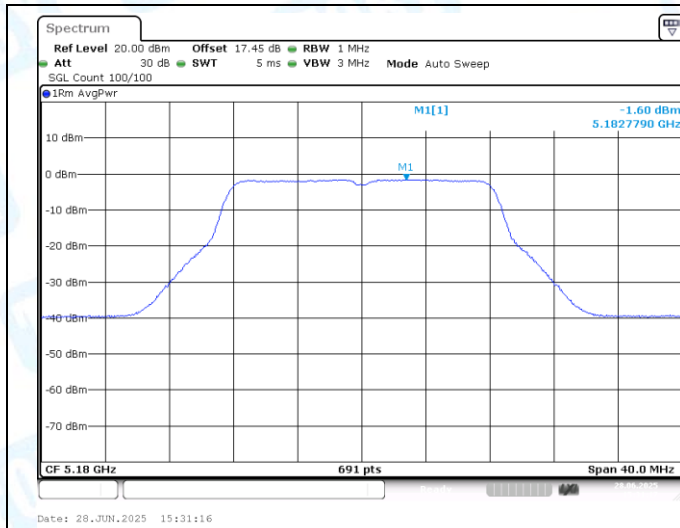
11AX20MIMO	Ant2	5180	-2.35	0.02	-2.33	≤11.00	PASS
11AX20MIMO	total	5180	---	---	0.81	≤11.00	PASS
11AX20MIMO	Ant1	5200	-2.17	0.02	-2.15	≤11.00	PASS
11AX20MIMO	Ant2	5200	-2.15	0.04	-2.11	≤11.00	PASS
11AX20MIMO	total	5200	---	---	0.88	≤11.00	PASS
11AX20MIMO	Ant1	5240	-2.2	0.03	-2.17	≤11.00	PASS
11AX20MIMO	Ant2	5240	-1.59	0.02	-1.57	≤11.00	PASS
11AX20MIMO	total	5240	---	---	1.15	≤11.00	PASS
11AX20MIMO	Ant1	5745	-5.66	0.14	-5.52	≤30.00	PASS
11AX20MIMO	Ant2	5745	-5.46	0.14	-5.32	≤30.00	PASS
11AX20MIMO	total	5745	---	---	-2.41	≤29.82	PASS
11AX20MIMO	Ant1	5785	-6.18	0.03	-6.15	≤30.00	PASS
11AX20MIMO	Ant2	5785	-5.53	0.03	-5.50	≤30.00	PASS
11AX20MIMO	total	5785	---	---	-2.80	≤29.82	PASS
11AX20MIMO	Ant1	5825	-6.5	0.02	-6.48	≤30.00	PASS
11AX20MIMO	Ant2	5825	-5.93	0.03	-5.90	≤30.00	PASS
11AX20MIMO	total	5825	---	---	-3.17	≤29.82	PASS
11AX40MIMO	Ant1	5190	-4.57	0.04	-4.53	≤11.00	PASS
11AX40MIMO	Ant2	5190	-4.64	0.02	-4.62	≤11.00	PASS
11AX40MIMO	total	5190	---	---	-1.56	≤11.00	PASS
11AX40MIMO	Ant1	5230	-4.74	0.04	-4.70	≤11.00	PASS
11AX40MIMO	Ant2	5230	-4.38	0.04	-4.34	≤11.00	PASS
11AX40MIMO	total	5230	---	---	-1.51	≤11.00	PASS
11AX40MIMO	Ant1	5755	-8.22	0.11	-8.11	≤30.00	PASS
11AX40MIMO	Ant2	5755	-7.96	0.14	-7.82	≤30.00	PASS
11AX40MIMO	total	5755	---	---	-4.95	≤29.82	PASS
11AX40MIMO	Ant1	5795	-8.8	0.04	-8.76	≤30.00	PASS
11AX40MIMO	Ant2	5795	-8.14	0.04	-8.10	≤30.00	PASS
11AX40MIMO	total	5795	---	---	-5.41	≤29.82	PASS
11AX80MIMO	Ant1	5210	-7.56	0.02	-7.54	≤11.00	PASS
11AX80MIMO	Ant2	5210	-6.99	0.03	-6.96	≤11.00	PASS
11AX80MIMO	total	5210	---	---	-4.23	≤11.00	PASS
11AX80MIMO	Ant1	5775	-11.53	0.14	-11.39	≤30.00	PASS
11AX80MIMO	Ant2	5775	-10.81	0.14	-10.67	≤30.00	PASS
11AX80MIMO	total	5775	---	---	-8.00	≤29.82	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=6.18dBi> 6dBi. (Ant.1: 2.79dBi; Ant.2: 3.55dBi) For U-NII-3: 5745MHz-5825MHz
 So $PSD_{out} = PSD_{limit} - (G_{TX} - 6) = (30 - 0.18) \text{dBm} / 500 \text{kHz} = 29.82 \text{dBm} / 500 \text{kHz}$ For U-NII-3: 5745MHz-5825MHz

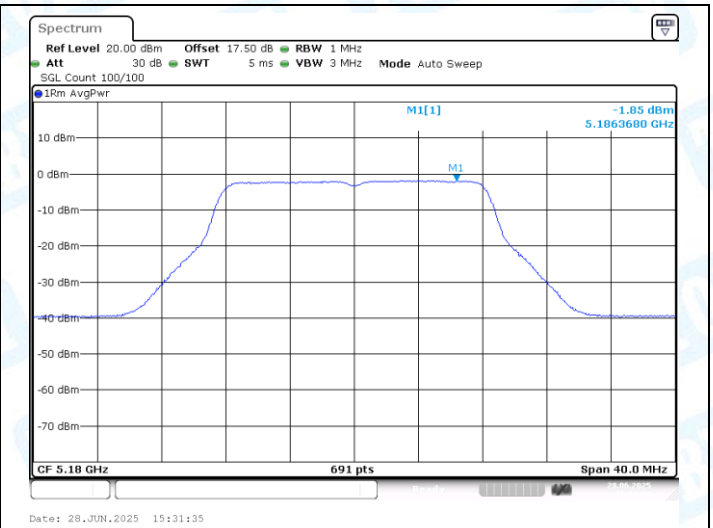
Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$

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

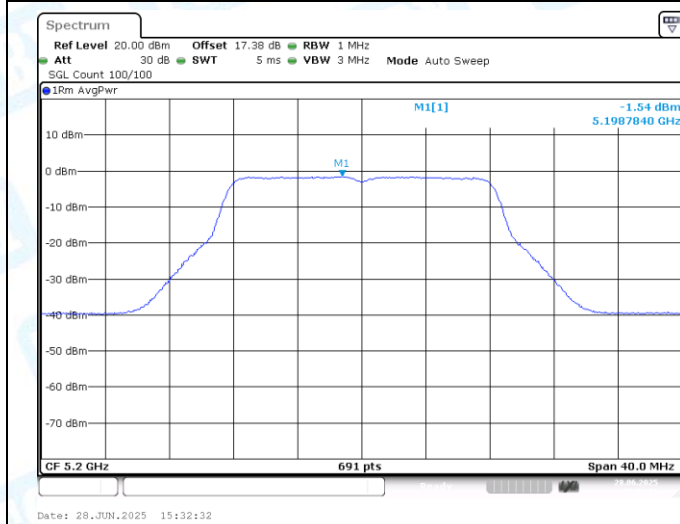
6.2 Test Graphs



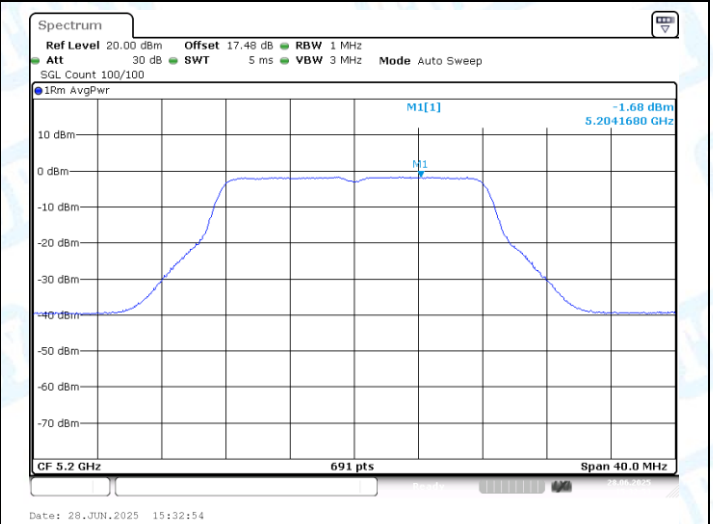
11A-CDD-Ant1-5180-PASS



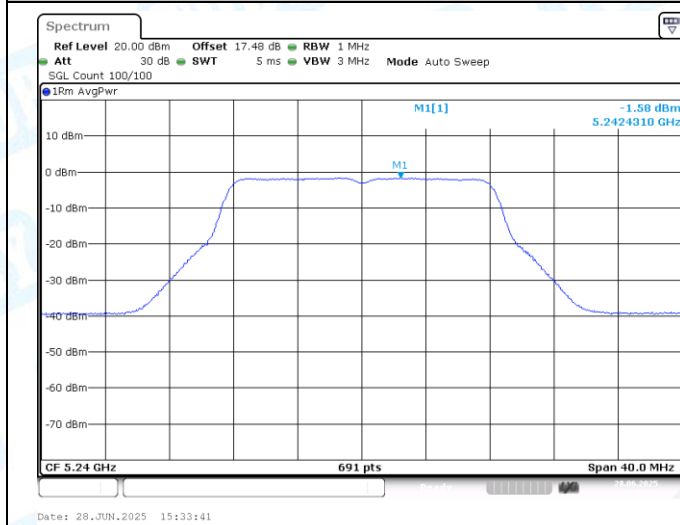
11A-CDD-Ant2-5180-PASS



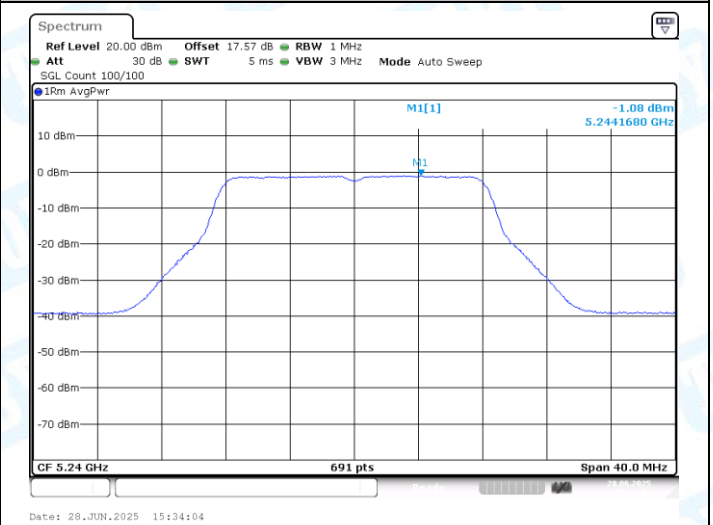
11A-CDD-Ant1-5200-PASS



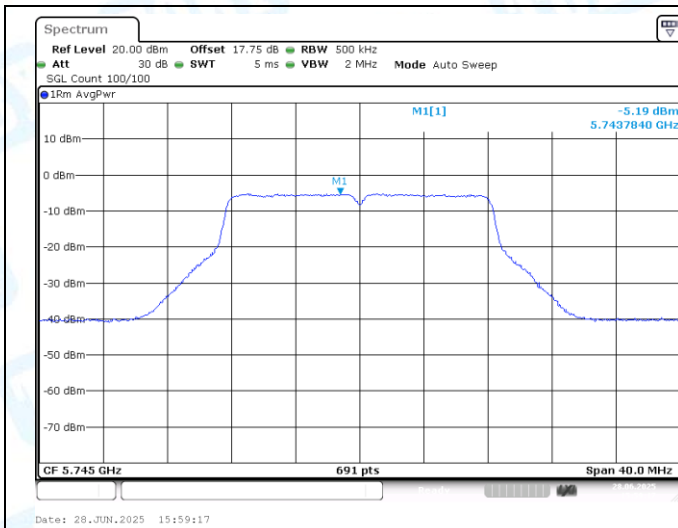
11A-CDD-Ant2-5200-PASS



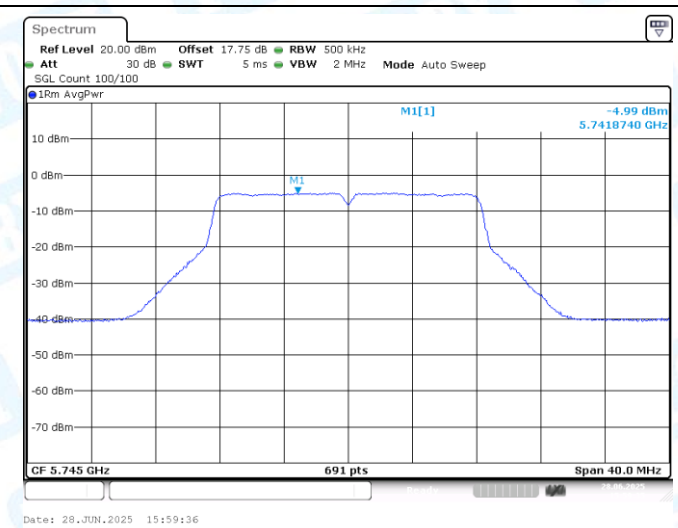
11A-CDD-Ant1-5240-PASS



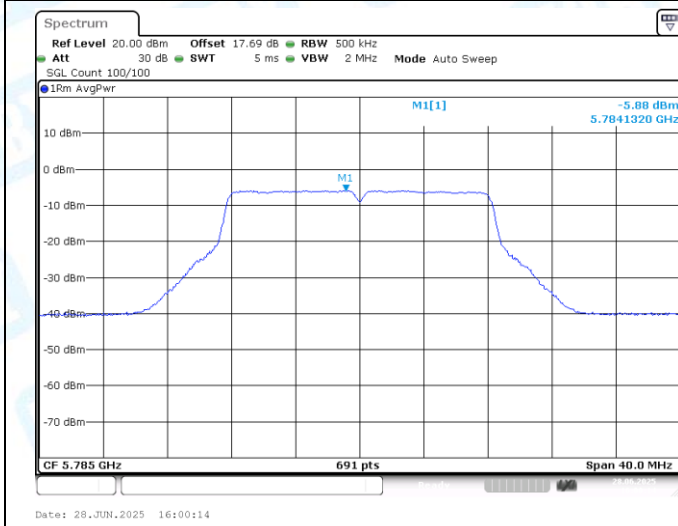
11A-CDD-Ant2-5240-PASS



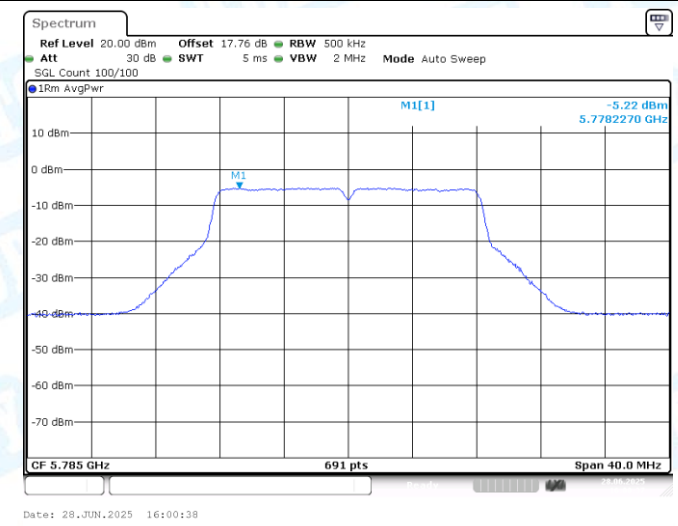
11A-CDD-Ant1-5745-PASS



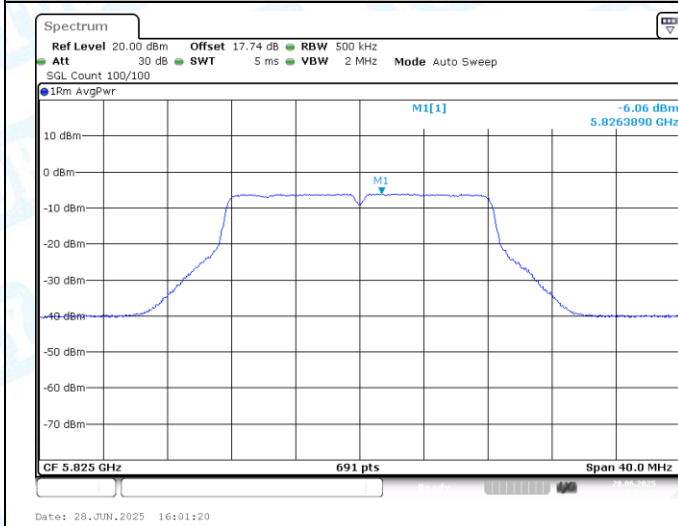
11A-CDD-Ant2-5745-PASS



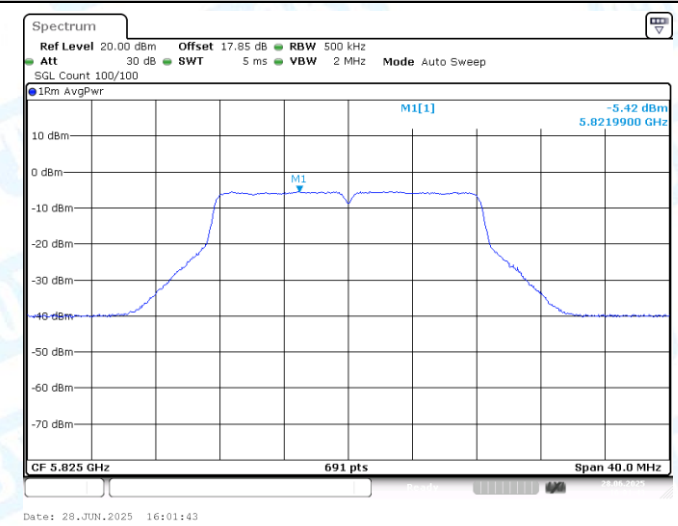
11A-CDD-Ant1-5785-PASS



11A-CDD-Ant2-5785-PASS



11A-CDD-Ant1-5825-PASS



11A-CDD-Ant2-5825-PASS