

Appendix B-5G WIFI (RF Conducted Test Result)

Test Information:

Sample No.:	2YOF-1	Test Date:	2025/02/25~2025/02/26
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	21.2	Relative Humidity: (%)	43~52	ATM Pressure: (kPa)	101.3
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Emission Bandwidth

26dB Emission Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5180	19.870
	5200	19.920
	5240	20.240
802.11n20	5180	20.493
	5200	20.593
	5240	20.543
802.11n40	5190	41.041
	5230	41.241
802.11ac20	5180	20.340
	5200	20.544
	5240	20.543
802.11ac40	5190	40.741
	5230	40.841
802.11ac80	5210	135.470

5250-5350MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5260	19.870
	5280	20.291
	5320	20.342
802.11n20	5260	20.595
	5280	20.543
	5320	20.645
802.11n40	5270	40.741
	5310	41.041
802.11ac20	5260	20.493
	5280	20.442
	5320	20.544
802.11ac40	5270	41.141
	5310	41.341
802.11ac80	5290	81.481

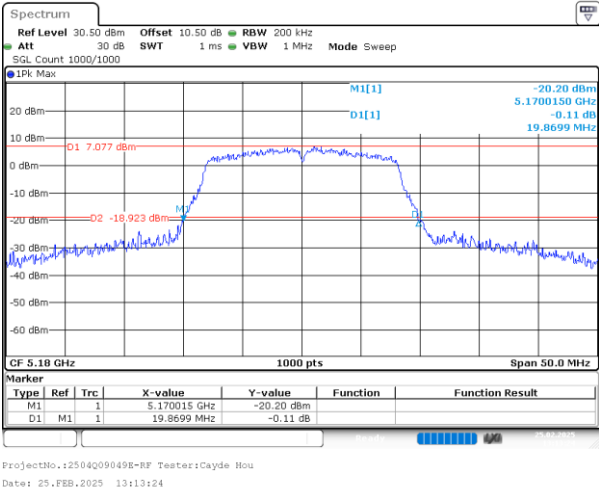
6dB Emission Bandwidth

5725-5850MHz

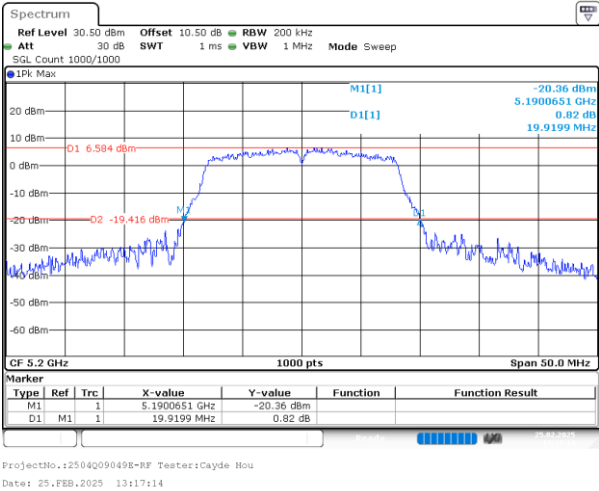
Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	5745	15.265	0.5	Pass
	5785	15.215	0.5	Pass
	5825	15.265	0.5	Pass
802.11n20	5745	15.215	0.5	Pass
	5785	15.215	0.5	Pass
	5825	15.265	0.5	Pass
802.11n40	5755	35.235	0.5	Pass
	5795	35.335	0.5	Pass
802.11ac20	5745	15.265	0.5	Pass
	5785	15.215	0.5	Pass
	5825	15.265	0.5	Pass
802.11ac40	5755	35.235	0.5	Pass
	5795	35.335	0.5	Pass
802.11ac80	5775	75.475	0.5	Pass

5150-5250MHz

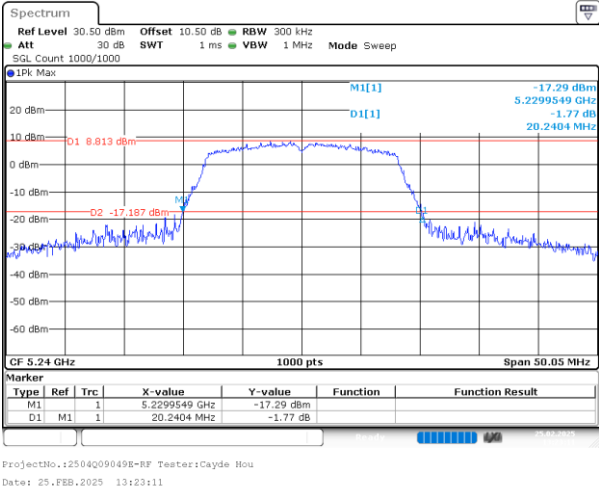
802.11a_5180MHz



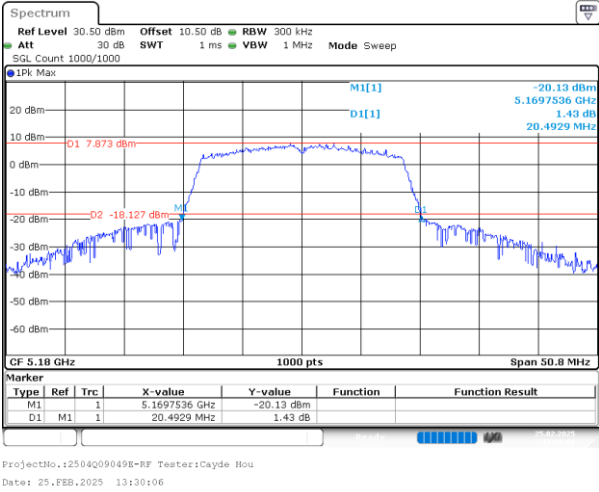
802.11a_5200MHz



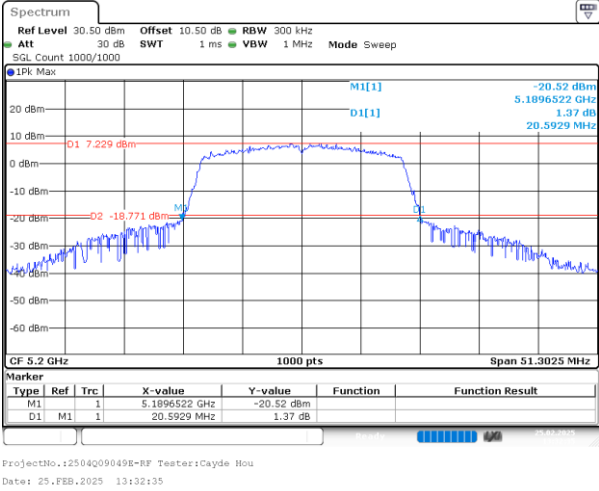
802.11a_5240MHz



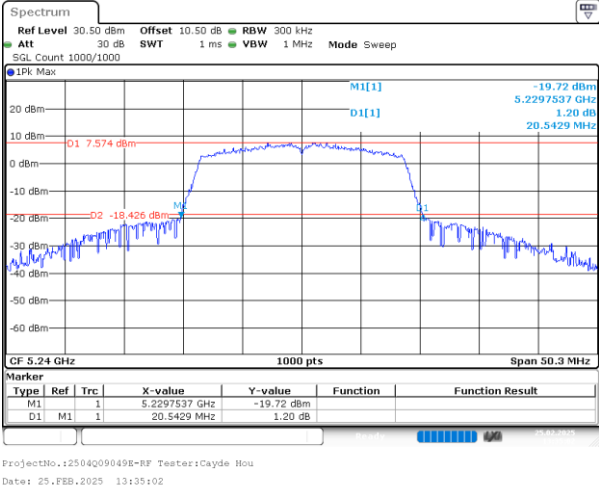
802.11n20_5180MHz



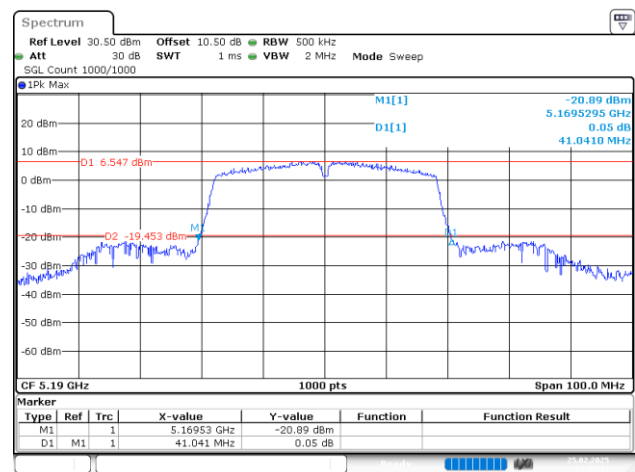
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802.11n20_5240MHz

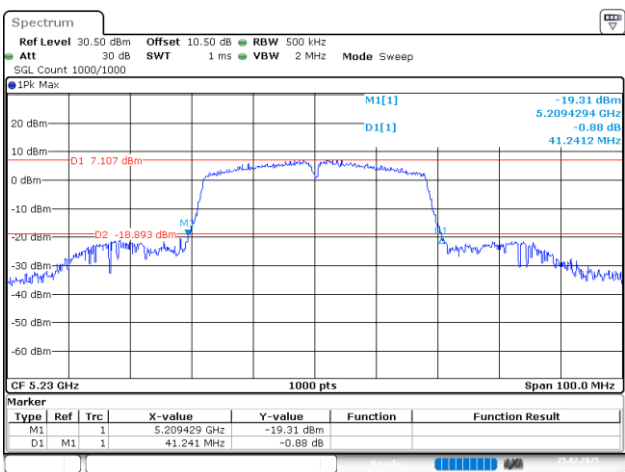


802.11n40_5190MHz



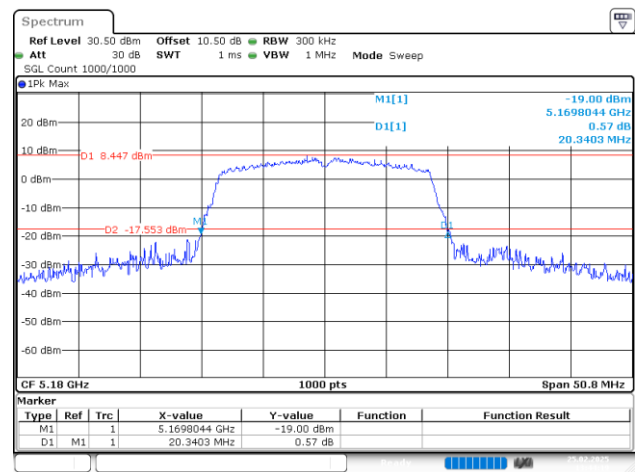
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802.11n40_5230MHz



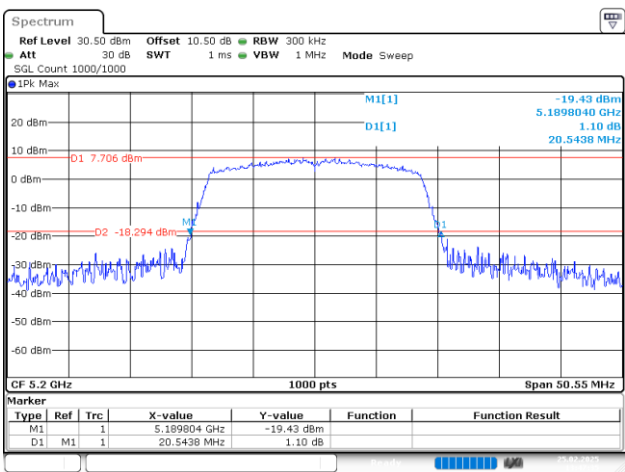
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802.11ac20_5180MHz



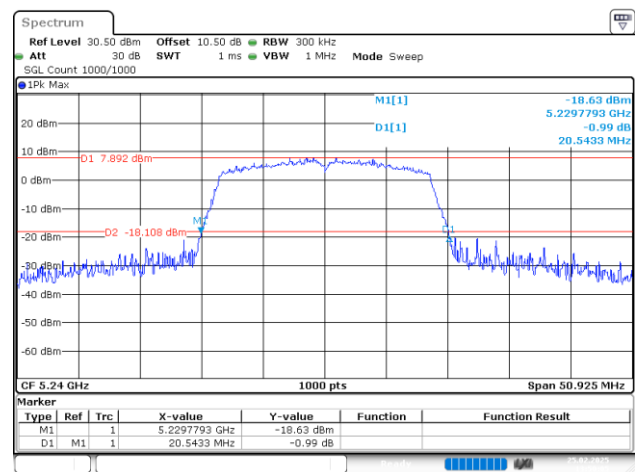
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802.11ac20_5200MHz



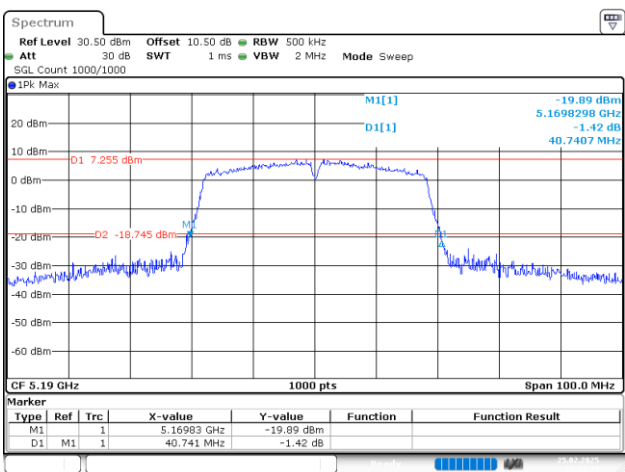
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802.11ac20_5240MHz



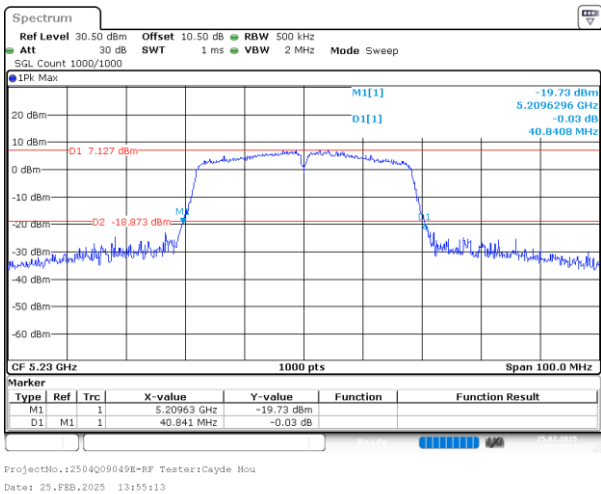
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802.11ac40_5190MHz

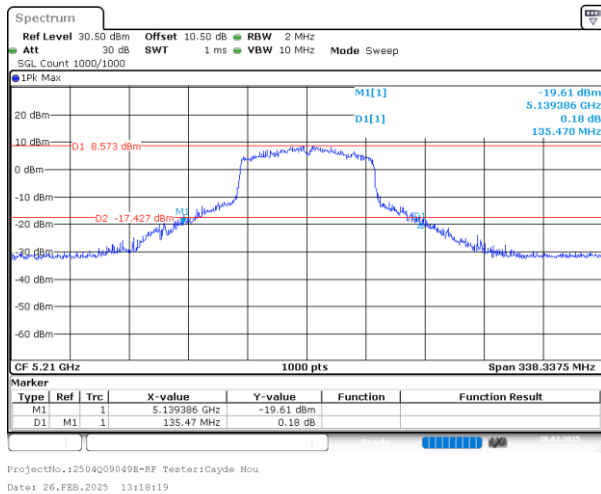


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802.11ac40_5230MHz

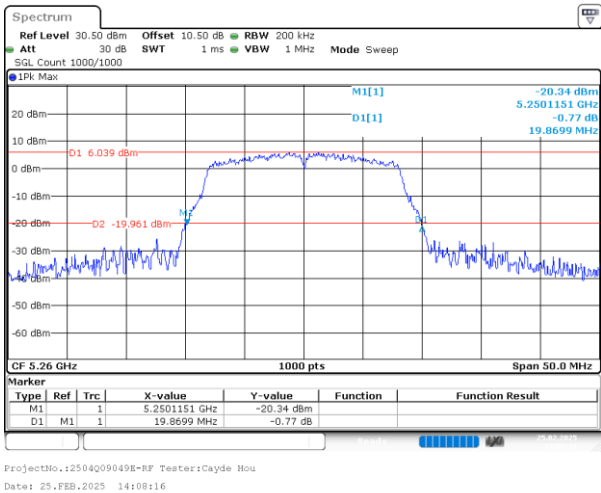


802.11ac80_5210MHz

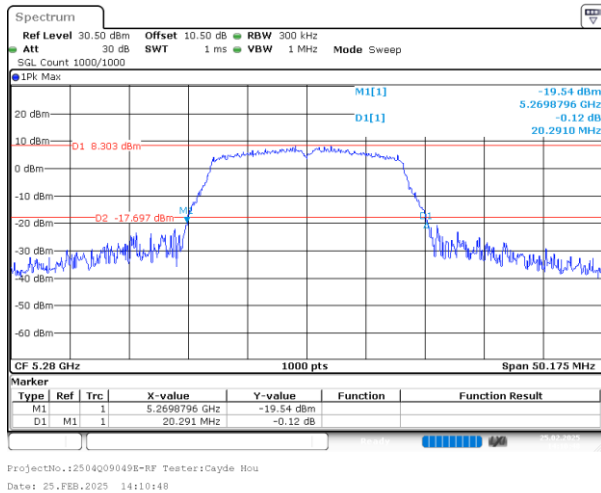


5250-5350MHz

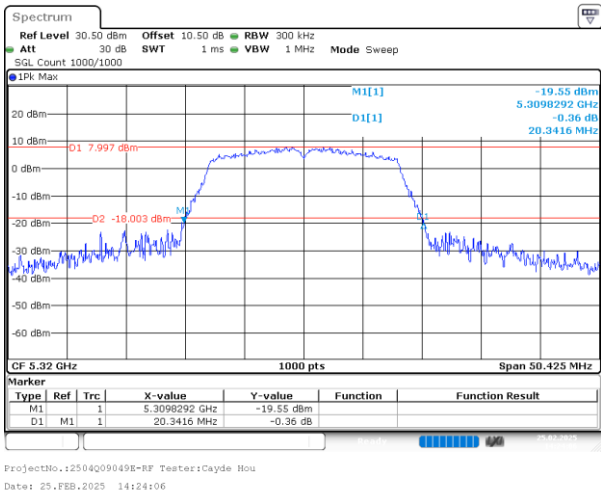
802.11a_5260MHz



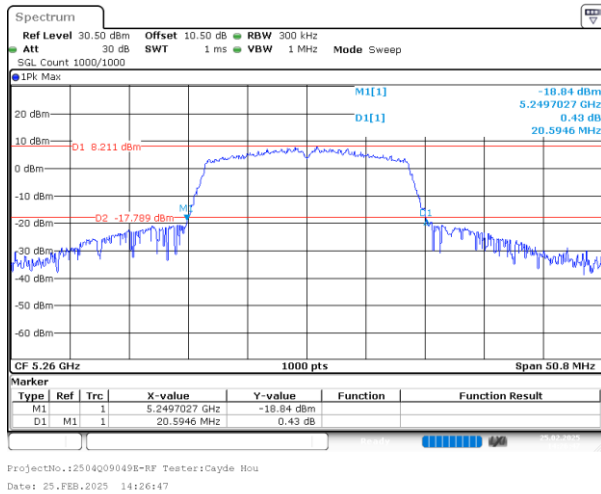
802.11a_5280MHz



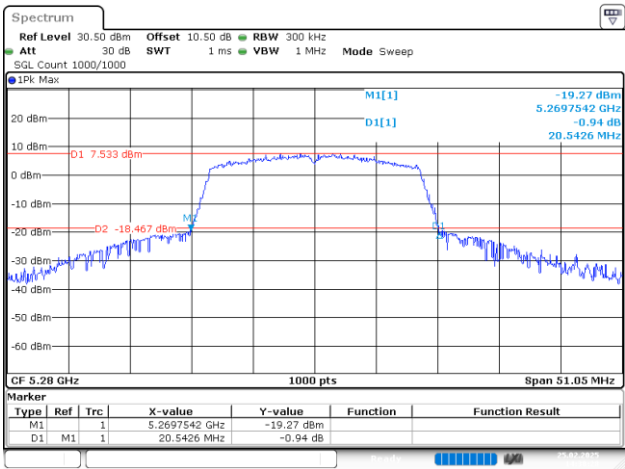
802.11a_5320MHz



802.11n20_5260MHz

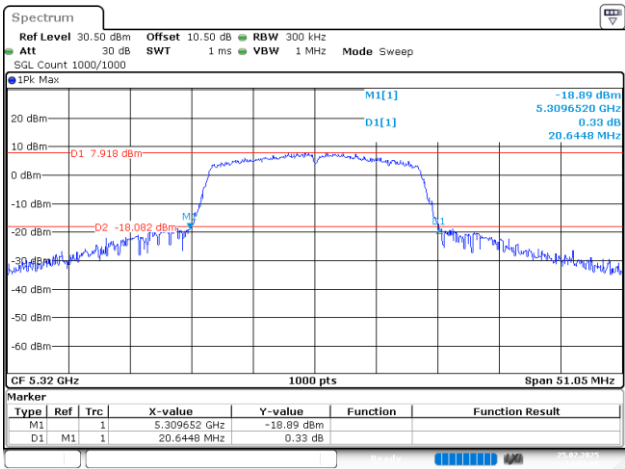


802.11n20_5280MHz



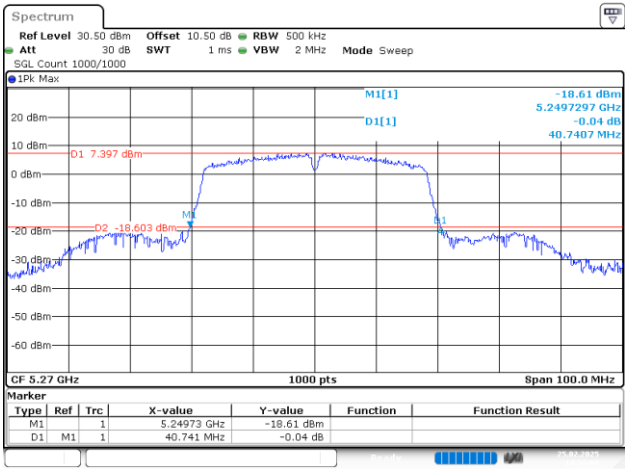
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802.11n20_5320MHz



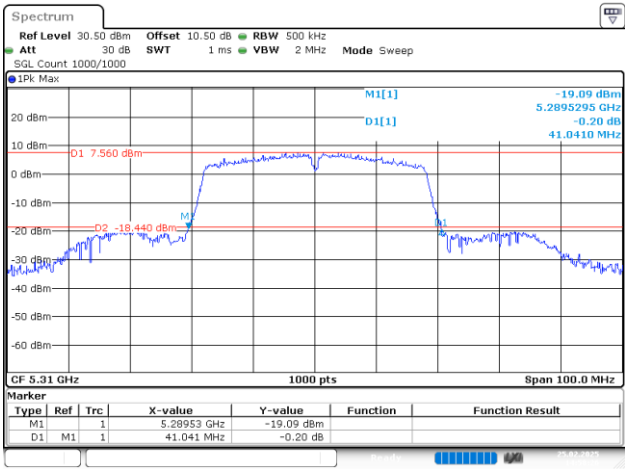
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802.11n40_5270MHz



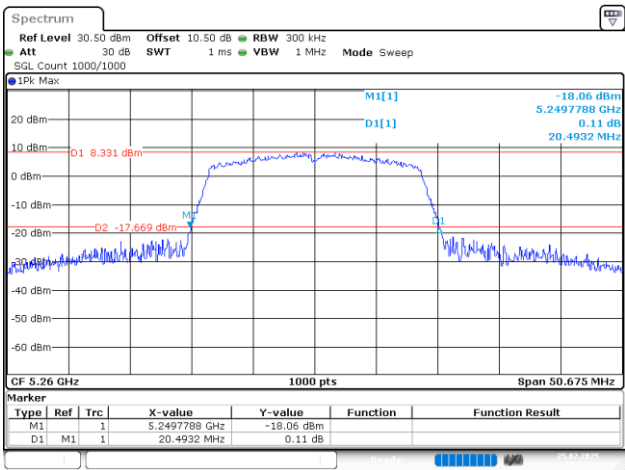
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802.11n40_5310MHz



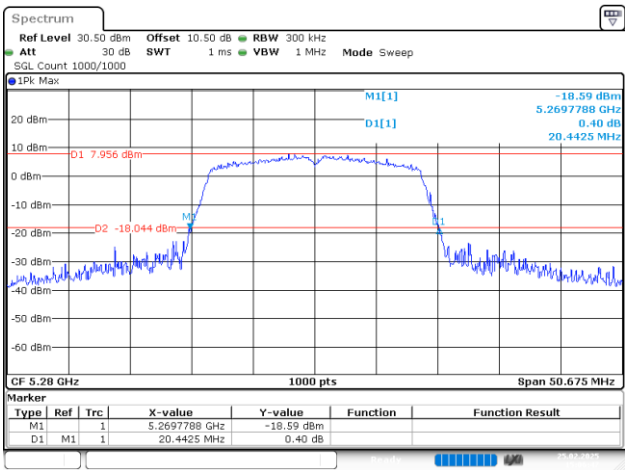
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802.11ac20_5260MHz



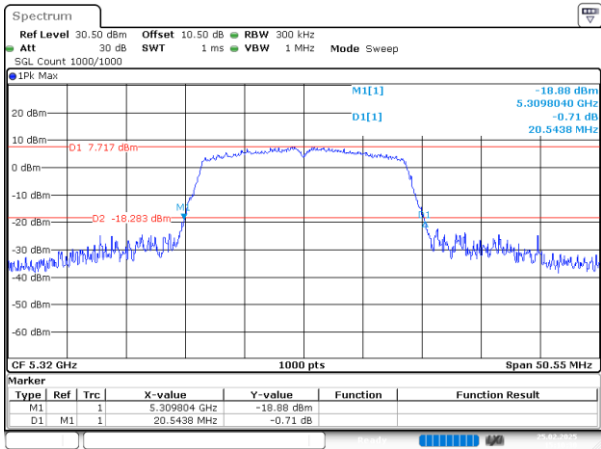
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802.11ac20_5280MHz



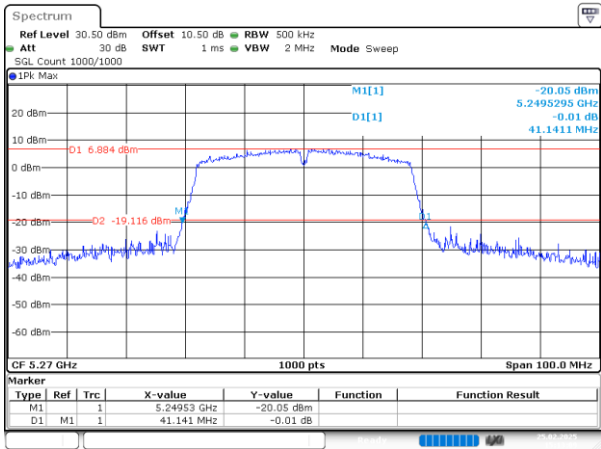
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802.11ac20_5320MHz



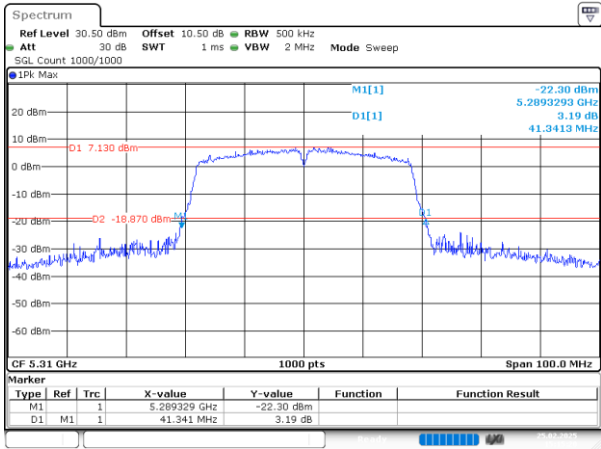
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802.11ac40_5270MHz



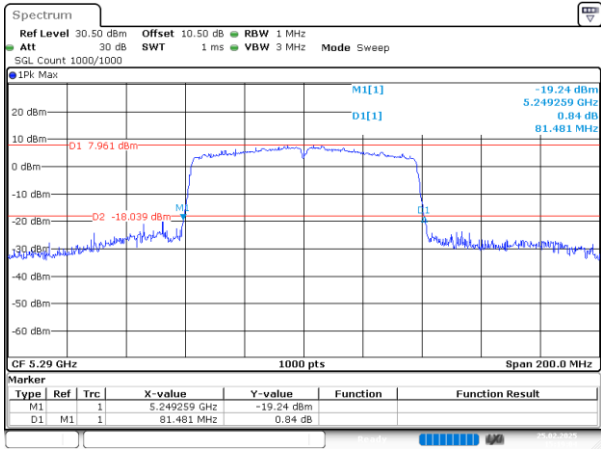
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802.11ac40_5310MHz



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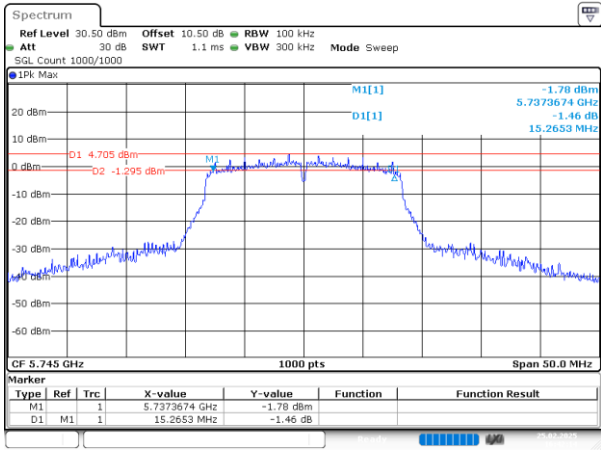
802.11ac80_5290MHz



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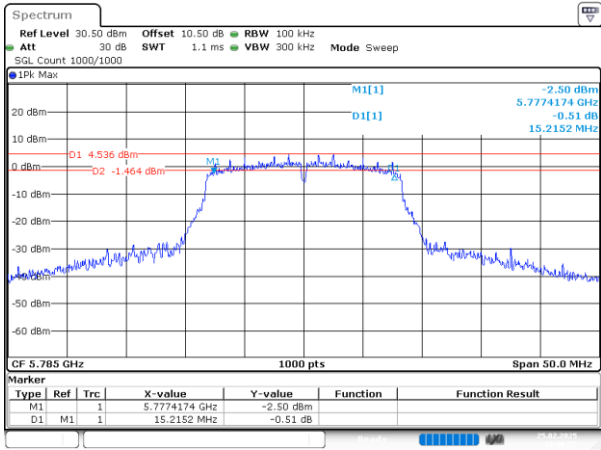
5725-5850MHz

802.11a_5745MHz



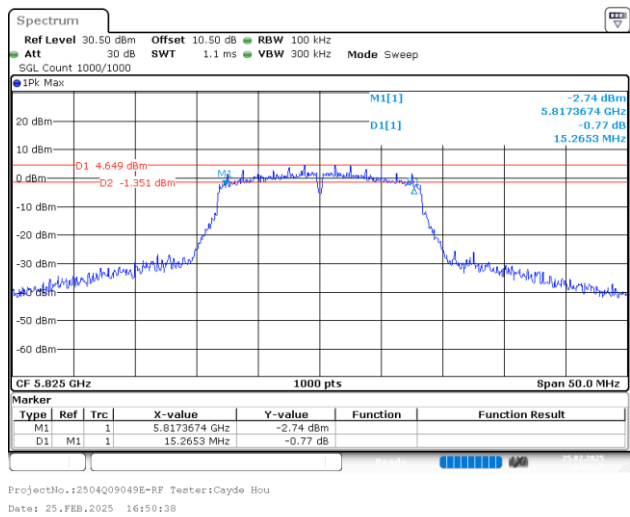
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802.11a_5785MHz

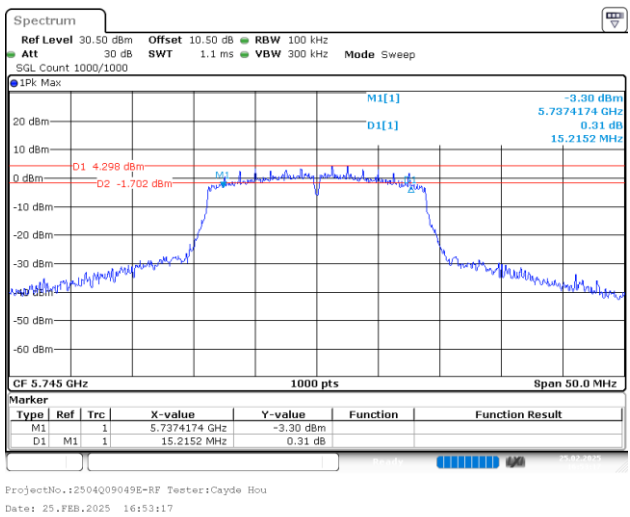


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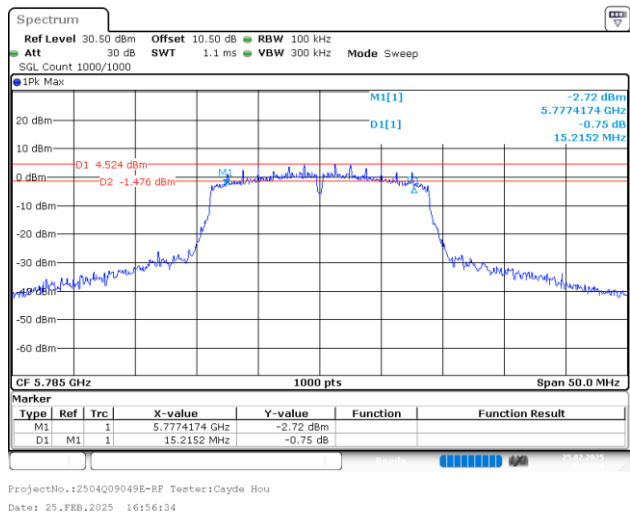
802.11a_5825MHz



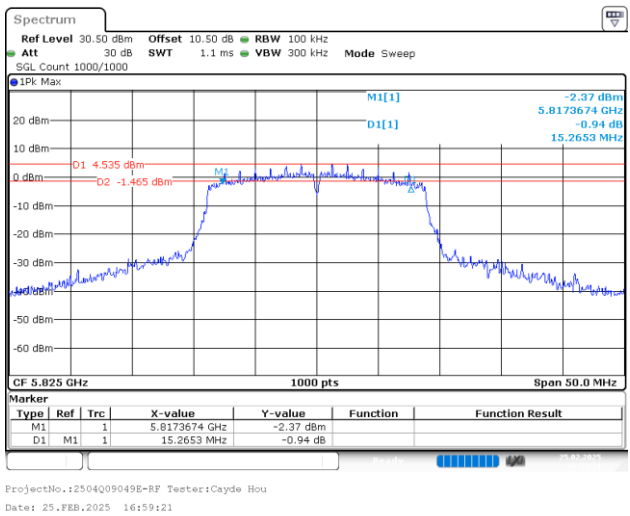
802.11n20_5745MHz



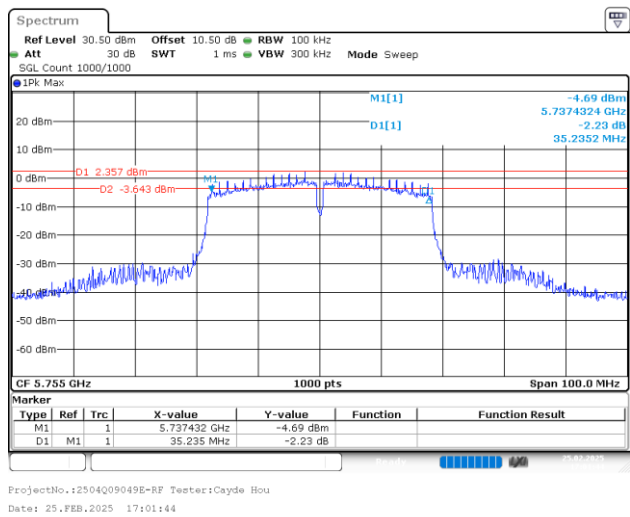
802.11n20_5785MHz



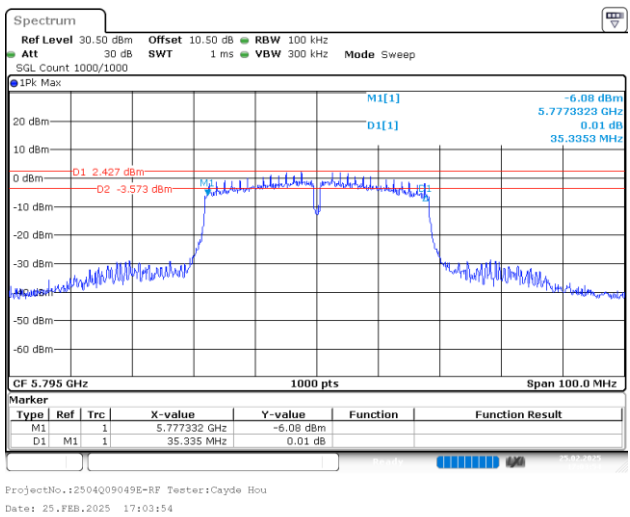
802.11n20_5825MHz



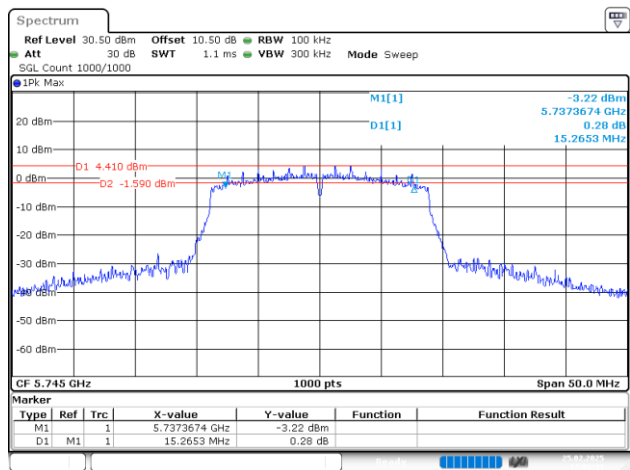
802.11n40_5755MHz



802.11n40_5795MHz

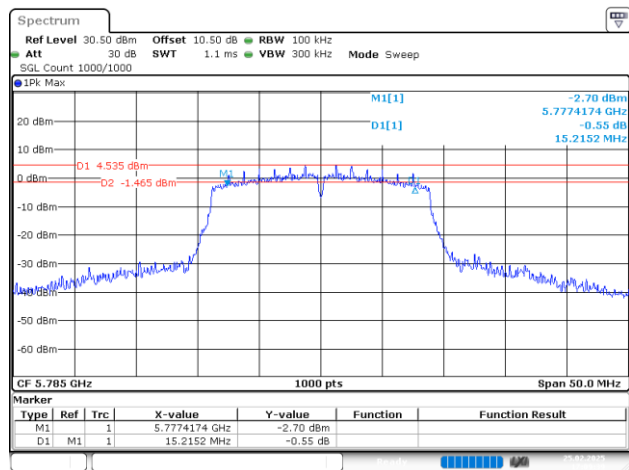


802.11ac20_5745MHz



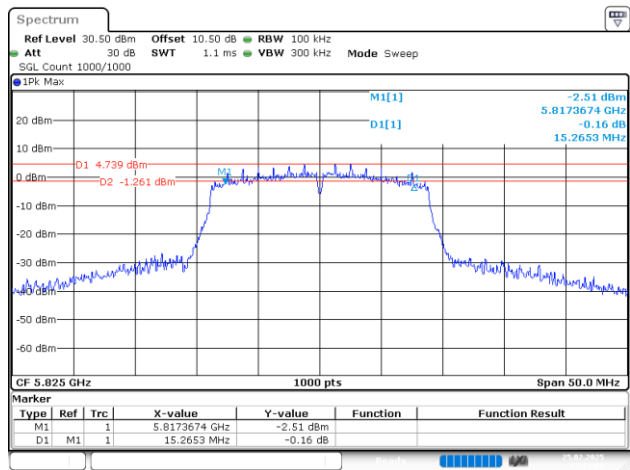
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802.11ac20_5785MHz



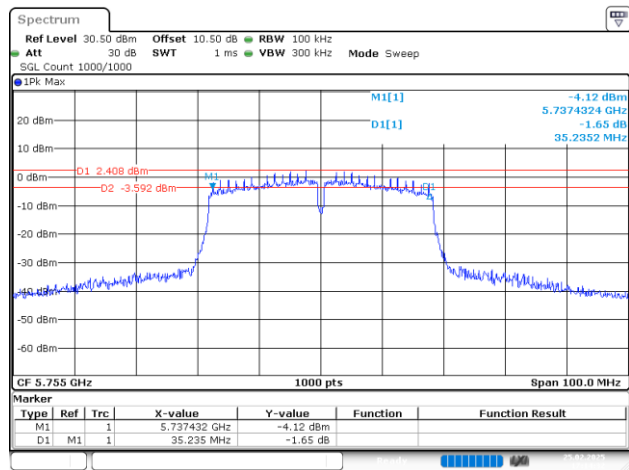
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802.11ac20_5825MHz



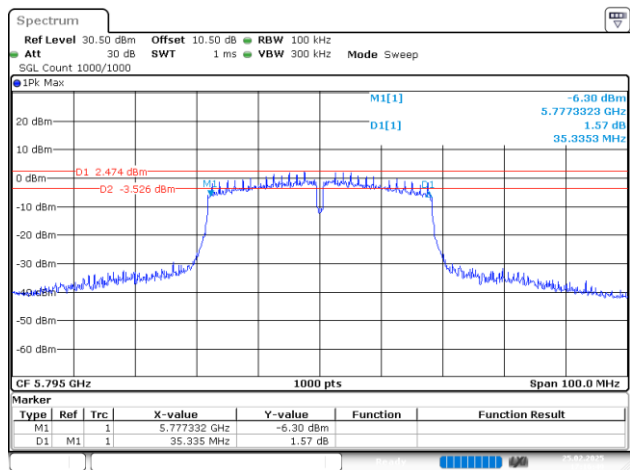
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802.11ac40_5755MHz



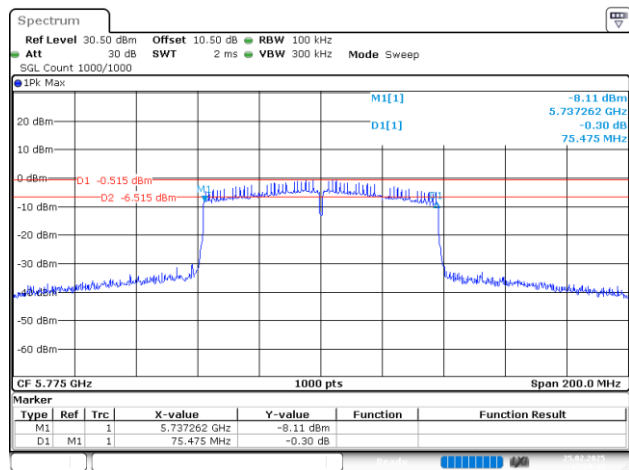
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802.11ac40_5795MHz



ProjectNo.:2504Q09049E-RF Tester:Cayde Hou
Date: 25.FEB.2025 17:16:49

802.11ac80_5775MHz



ProjectNo.:2504Q09049E-RF Tester:Cayde Hou
Date: 25.FEB.2025 17:20:15

99% Occupied Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	16.500
	5200	16.550
	5240	16.500
802.11n20	5180	17.600
	5200	17.600
	5240	17.600
802.11n40	5190	36.300
	5230	36.200
802.11ac20	5180	17.650
	5200	17.600
	5240	17.600
802.11ac40	5190	36.200
	5230	36.200
802.11ac80	5210	76.800

Note:
The 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

5250-5350MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5260	16.450
	5280	16.450
	5320	16.500
802.11n20	5260	17.600
	5280	17.600
	5320	17.600
802.11n40	5270	36.400
	5310	36.300
802.11ac20	5260	17.600
	5280	17.550
	5320	17.550
802.11ac40	5270	36.200
	5310	36.100

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11ac80	5290	75.200

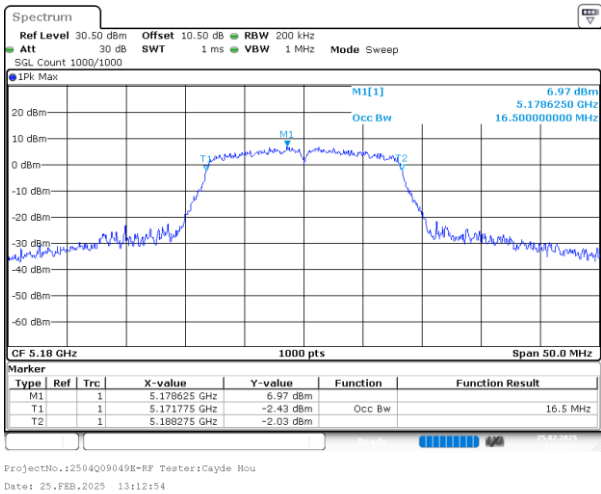
5725-5850MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	16.550
	5785	16.500
	5825	16.550
802.11n20	5745	17.650
	5785	17.650
	5825	17.600
802.11n40	5755	36.300
	5795	36.300
802.11ac20	5745	17.600
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	5825	17.650
802.11ac40	5755	36.200
	5795	36.200
802.11ac80	5775	75.400

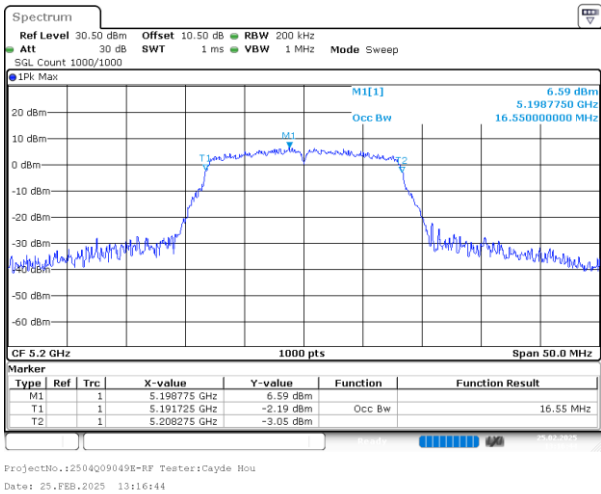
Note:
The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

5150-5250MHz

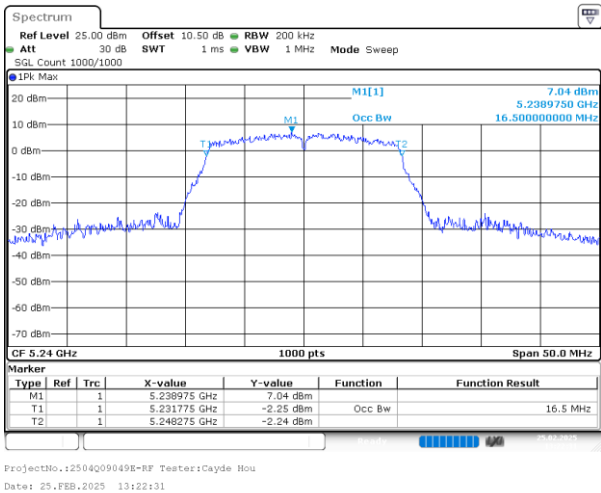
802.11a_5180MHz



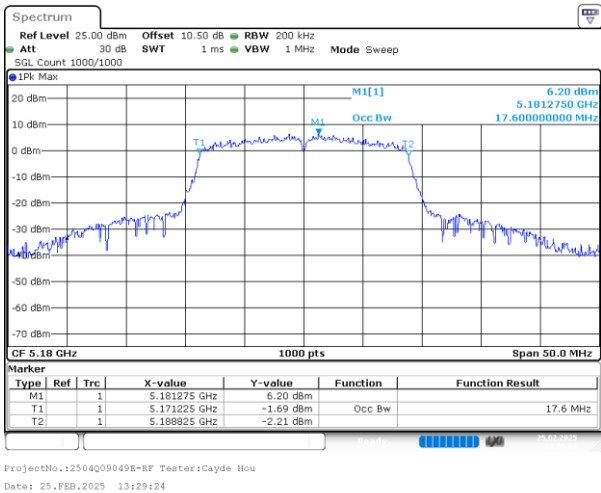
802.11a_5200MHz



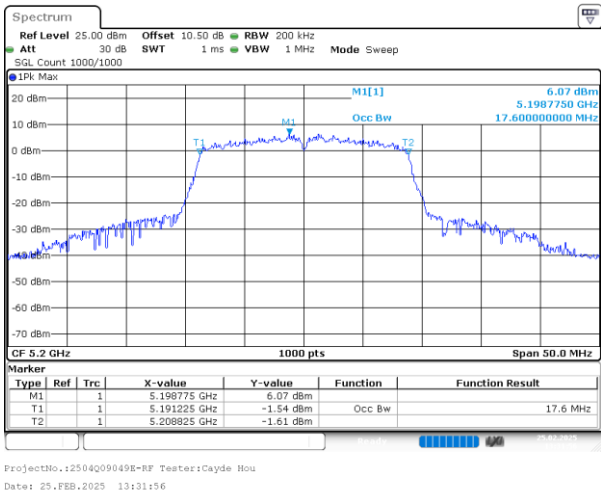
802.11a_5240MHz



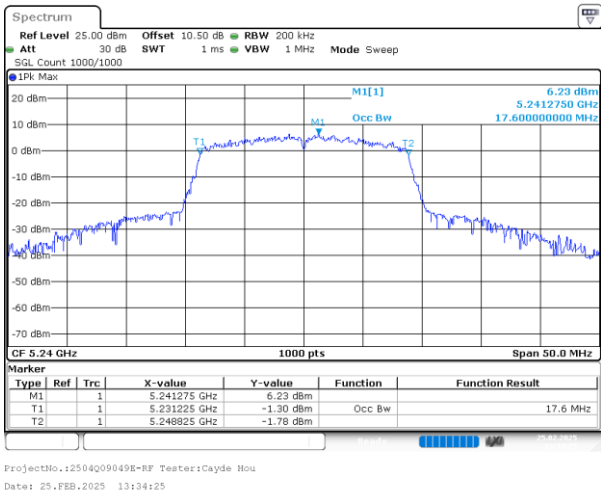
802.11n20_5180MHz



802.11n20_5200MHz

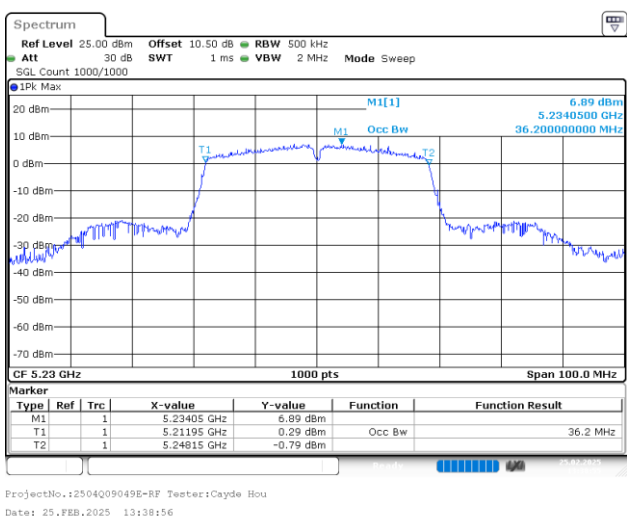
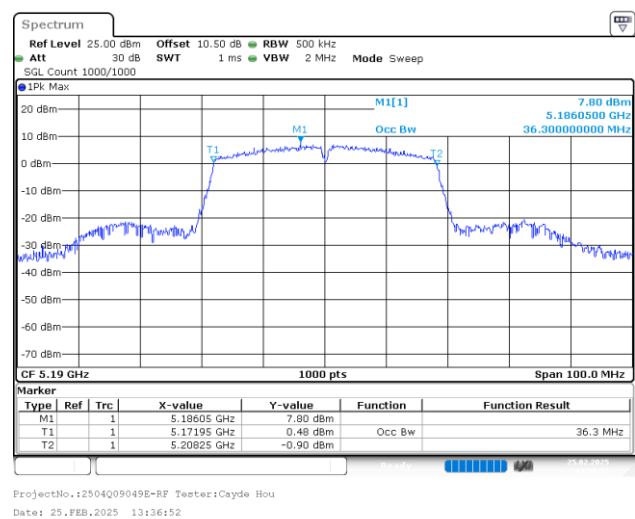


802.11n20_5240MHz



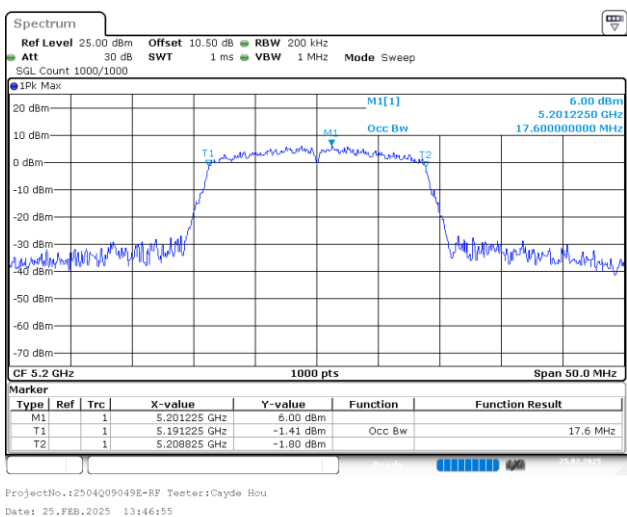
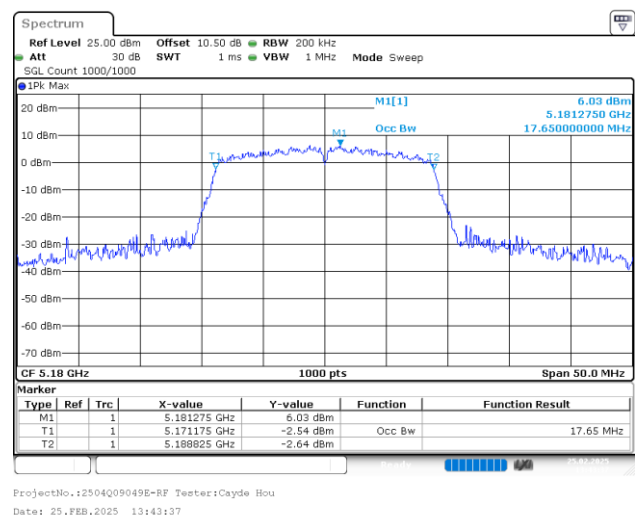
802.11n40_5190MHz

802.11n40_5230MHz



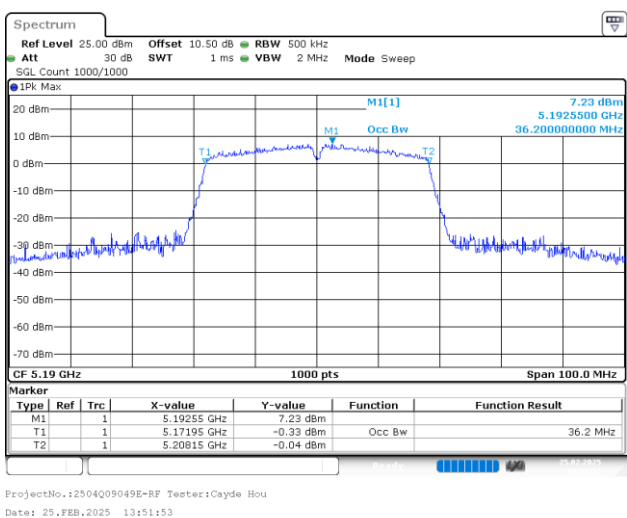
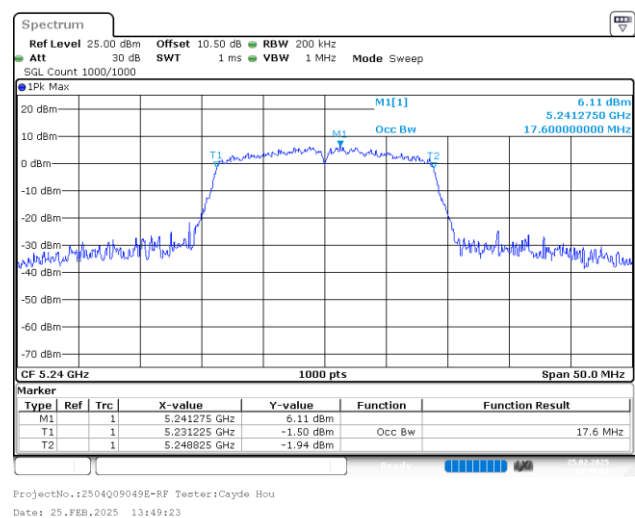
802.11ac20_5180MHz

802.11ac20_5200MHz

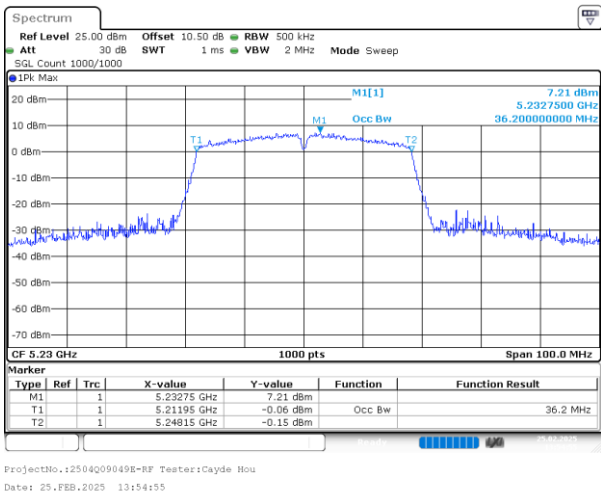


802.11ac20_5240MHz

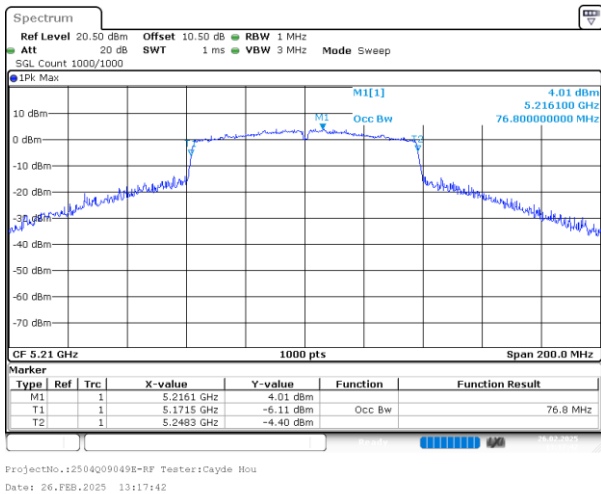
802.11ac40_5190MHz



802.11ac40_5230MHz

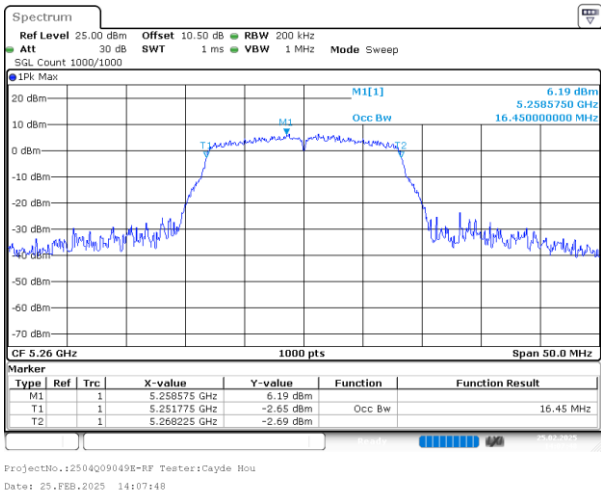


802.11ac80_5210MHz

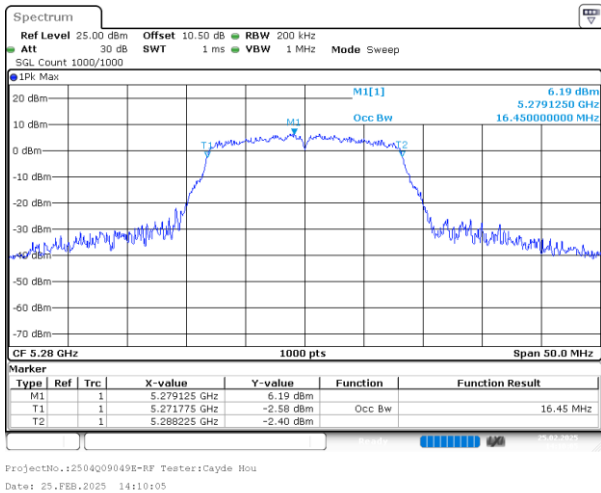


5250-5350MHz

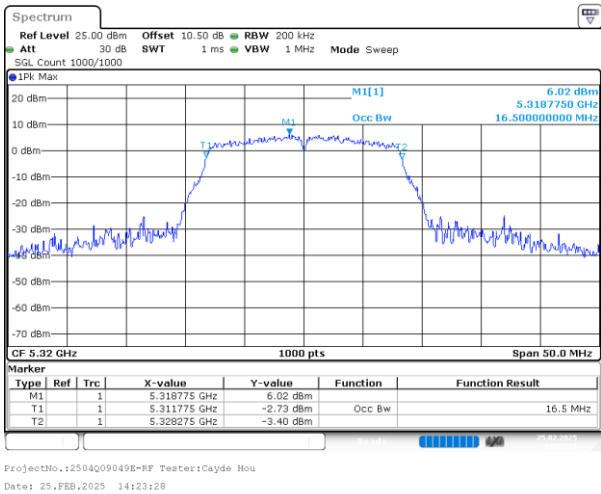
802.11a_5260MHz



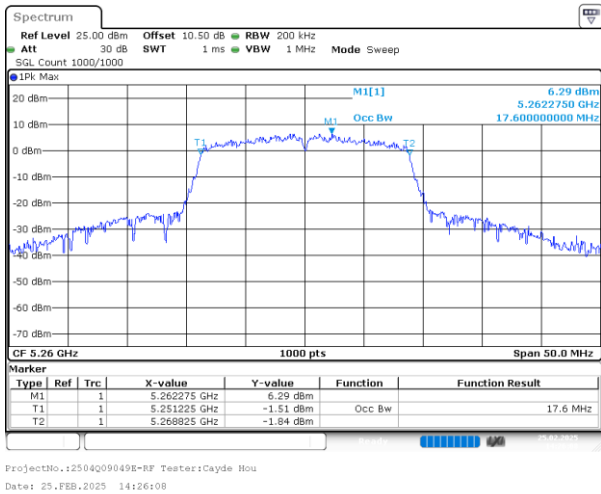
802.11a_5280MHz



802.11a_5320MHz

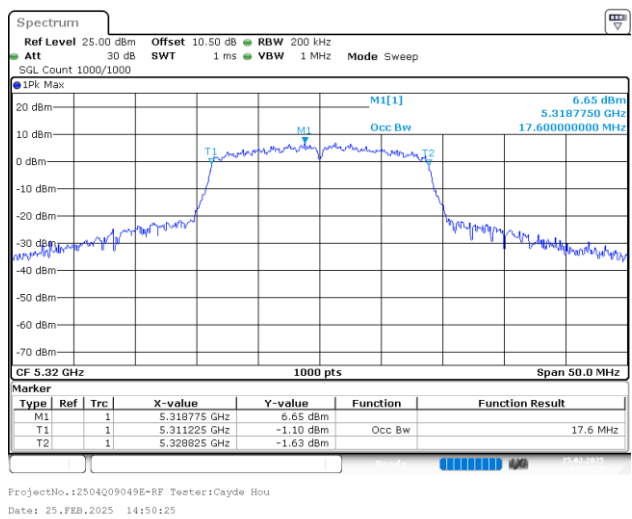
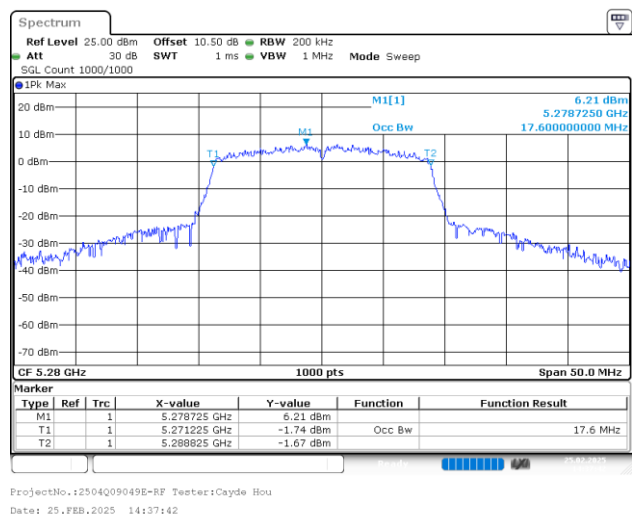


802.11n20_5260MHz



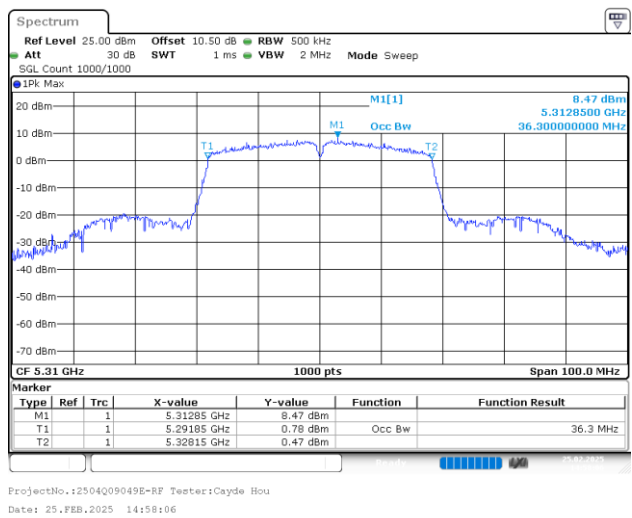
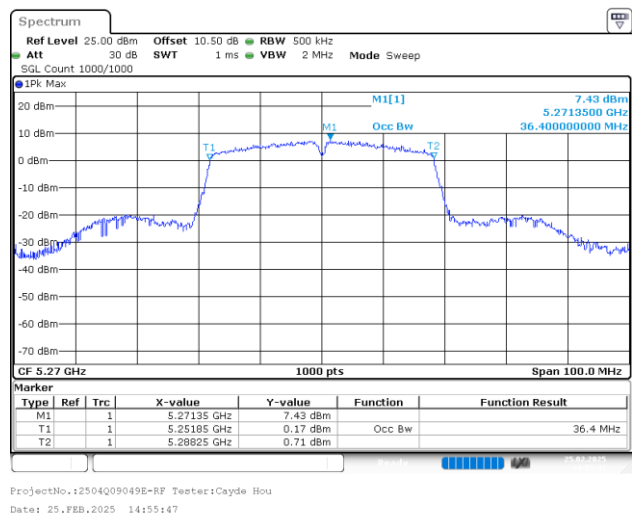
802.11n20_5280MHz

802.11n20_5320MHz



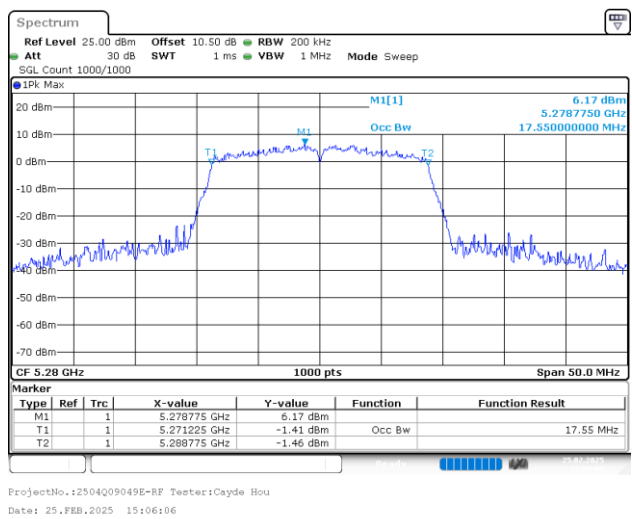
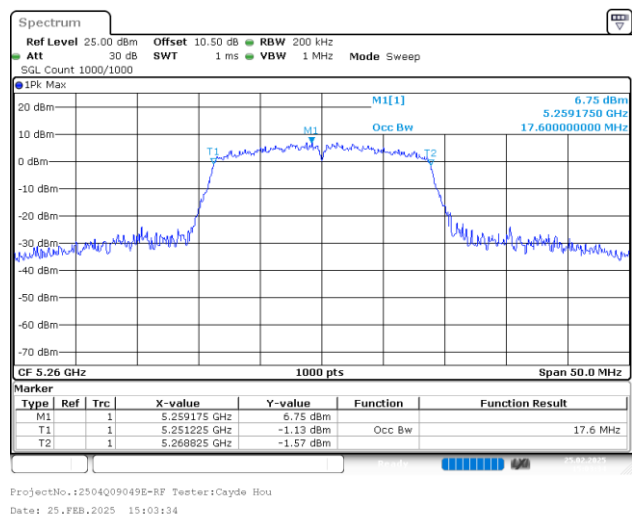
802.11n40_5270MHz

802.11n40_5310MHz

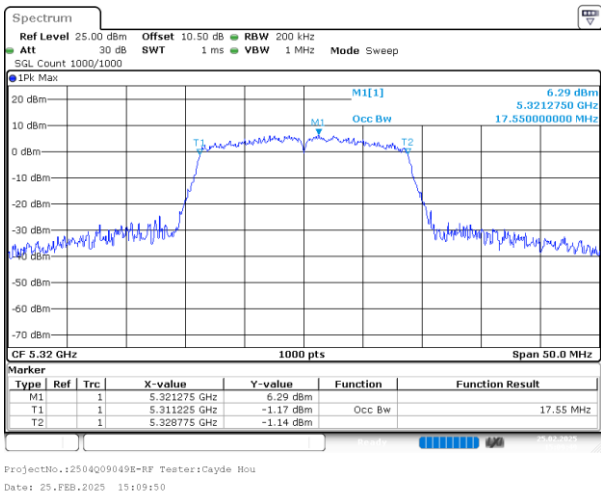


802.11ac20_5260MHz

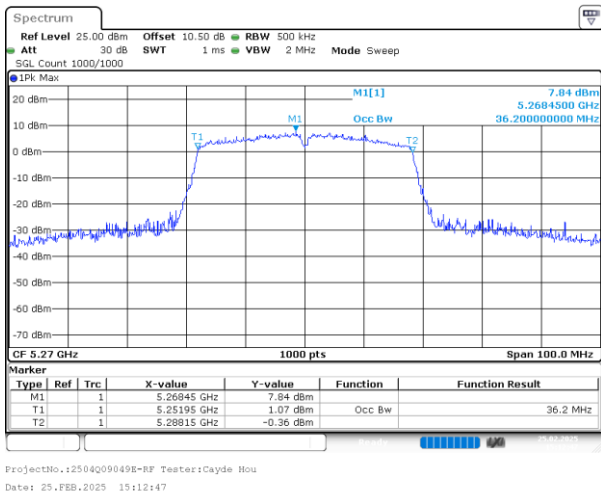
802.11ac20_5280MHz



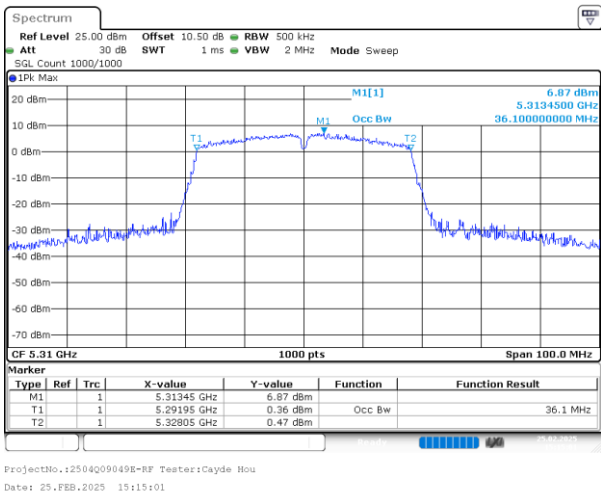
802.11ac20_5320MHz



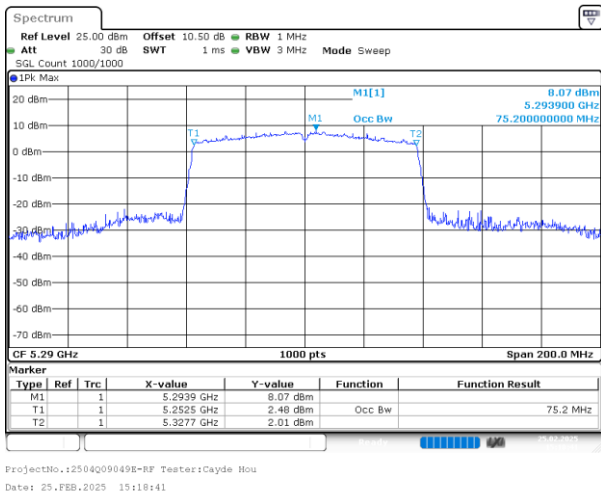
802.11ac40_5270MHz



802.11ac40_5310MHz

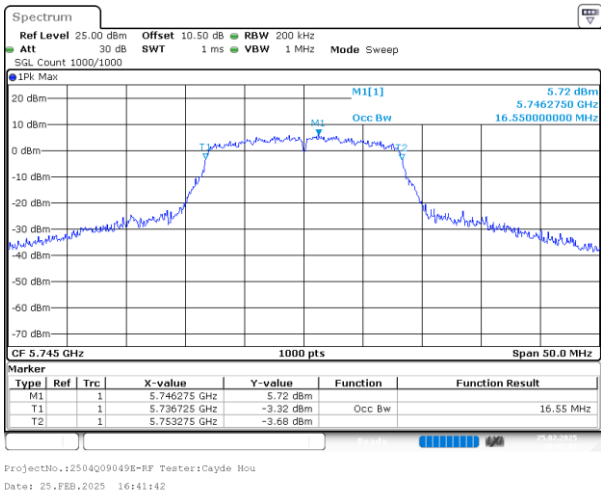


802.11ac80_5290MHz

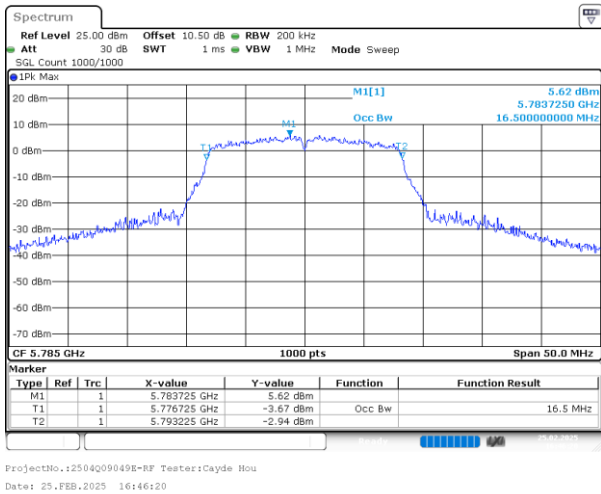


5725-5850MHz

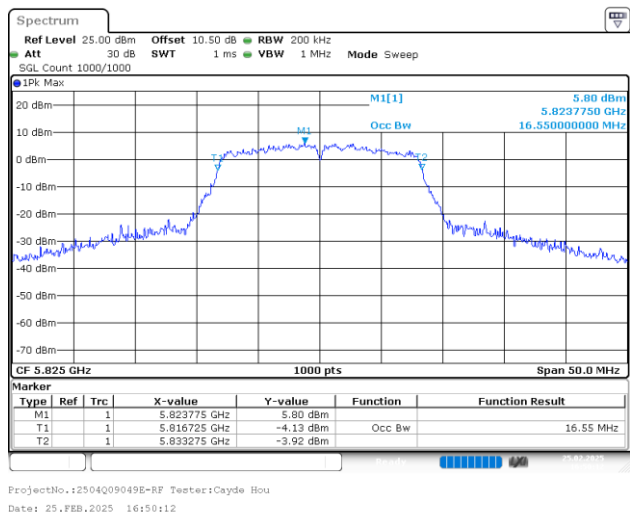
802.11a_5745MHz



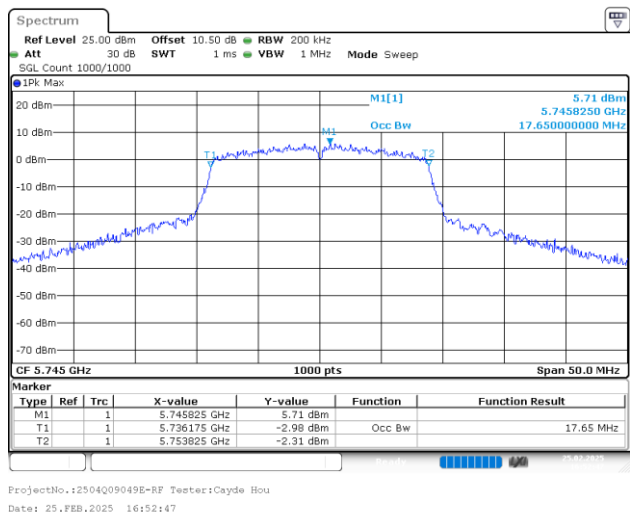
802.11a_5785MHz



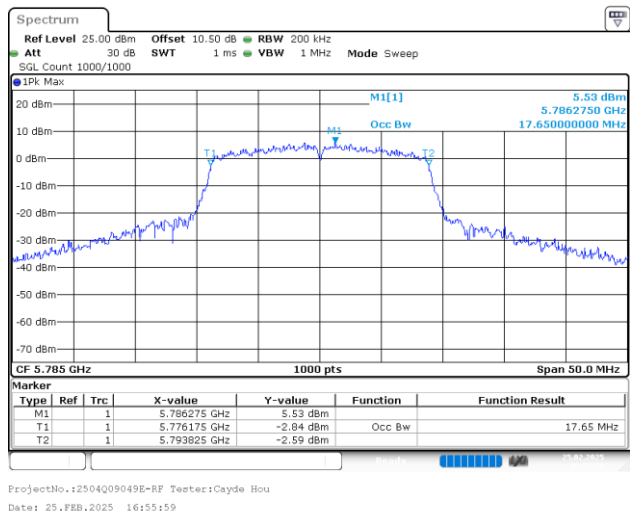
802.11a_5825MHz



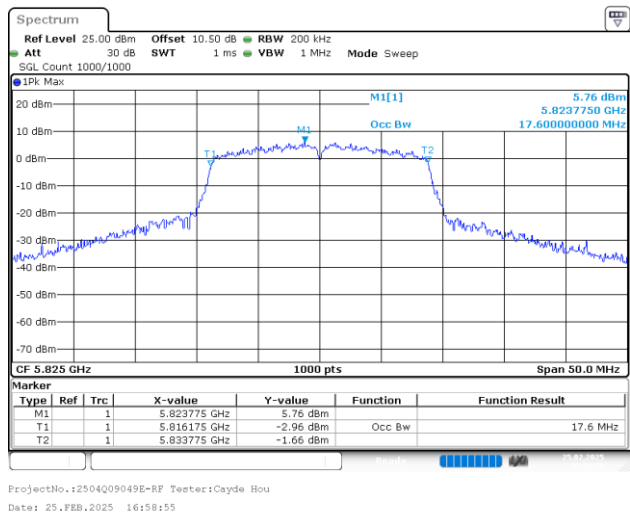
802.11n20_5745MHz



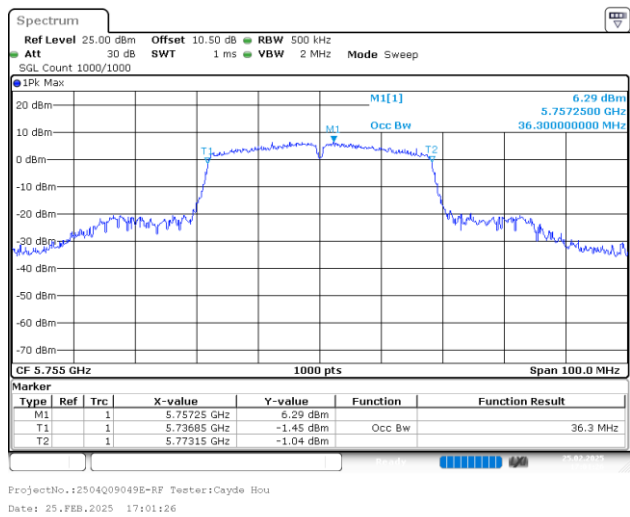
802.11n20_5785MHz



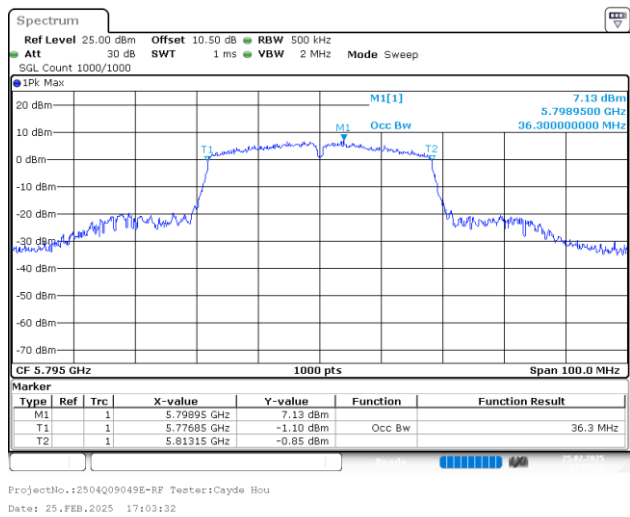
802.11n20_5825MHz



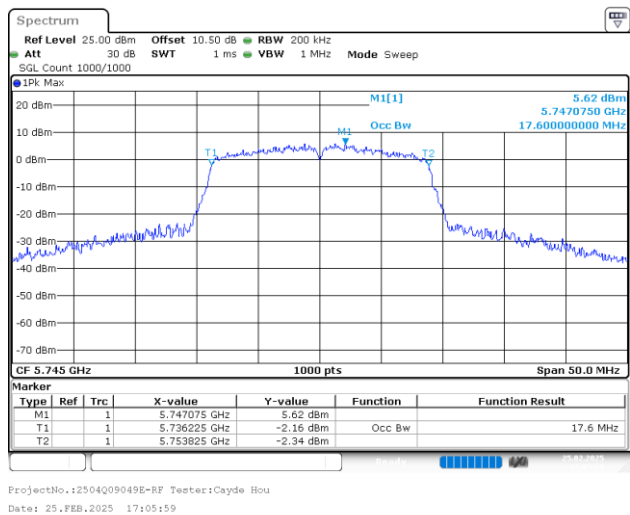
802.11n40_5755MHz



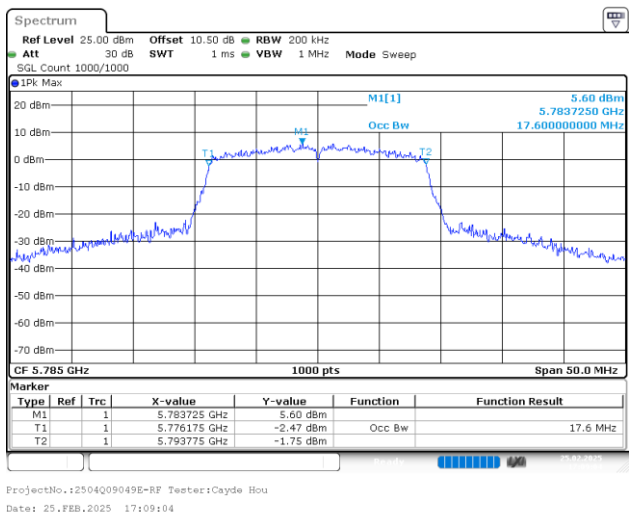
802.11n40_5795MHz



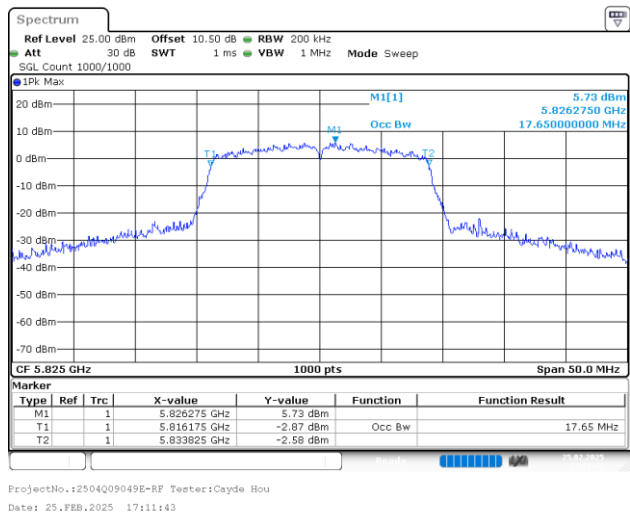
802.11ac20_5745MHz



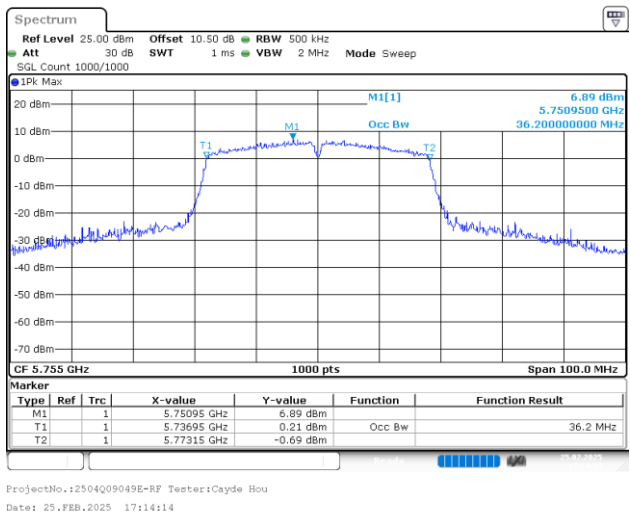
802.11ac20_5785MHz



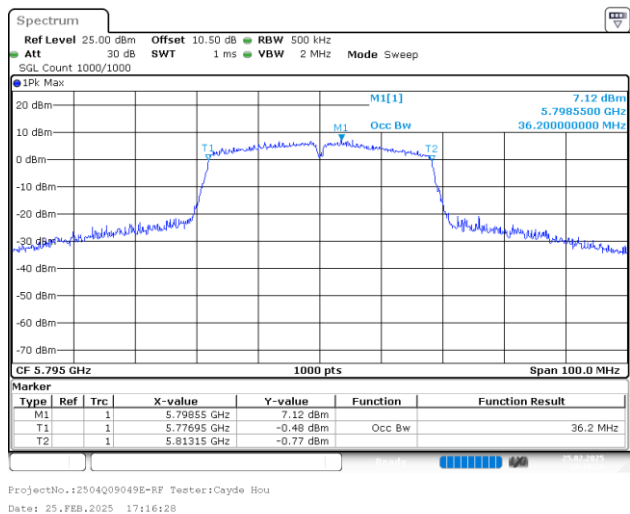
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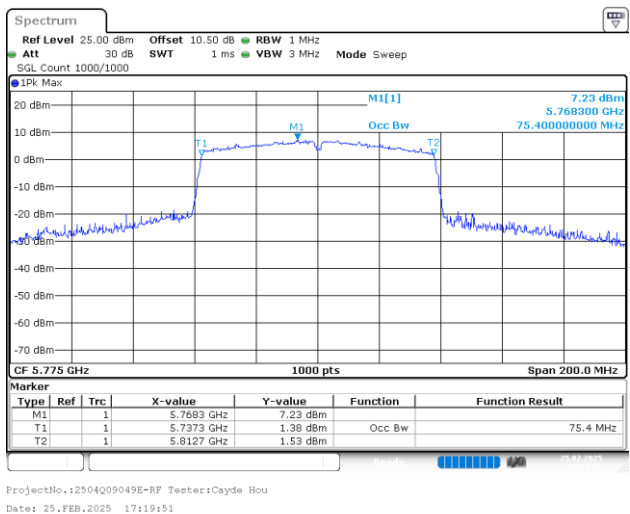
802.11ac40_5755MHz



802.11ac40_5795MHz



802.11ac80_5775MHz



Maximum Conducted Output Power

5150-5250MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5180	16.22	24	Pass
	5200	16.04	24	Pass
	5240	16.22	24	Pass
802.11n20	5180	15.54	24	Pass
	5200	15.39	24	Pass
	5240	15.6	24	Pass
802.11n40	5190	15.46	24	Pass
	5230	15.65	24	Pass
802.11ac20	5180	15.49	24	Pass
	5200	15.41	24	Pass
	5240	15.52	24	Pass
802.11ac40	5190	15.57	24	Pass
	5230	15.58	24	Pass
802.11ac80	5210	12.03	24	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5260	15.53	24	Pass
	5280	15.7	24	Pass
	5320	15.68	24	Pass
802.11n20	5260	15.56	24	Pass
	5280	15.68	24	Pass
	5320	16.27	24	Pass
802.11n40	5270	16.15	24	Pass
	5310	16.31	24	Pass
802.11ac20	5260	16.17	24	Pass
	5280	15.53	24	Pass
	5320	15.68	24	Pass
802.11ac40	5270	15.63	24	Pass
	5310	15.52	24	Pass
802.11ac80	5290	15.5	24	Pass