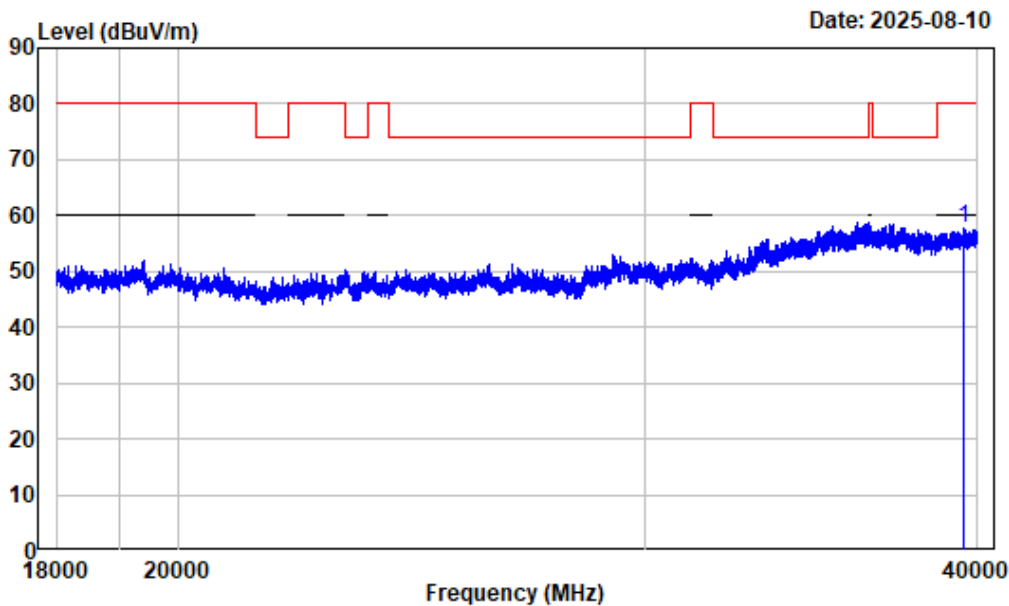


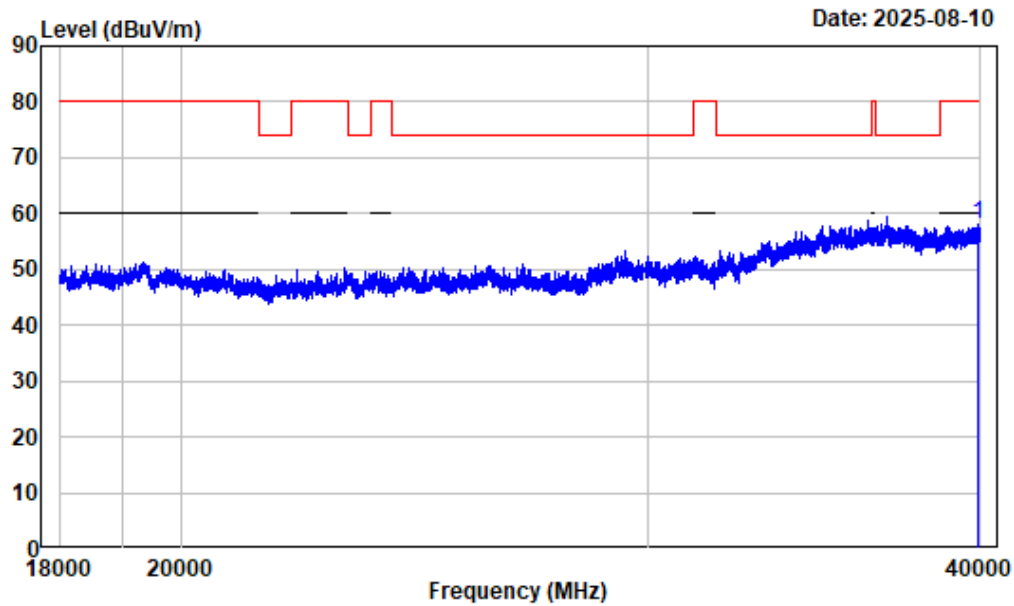
18-40GHz_Horizontal_802.11n40_5320MHz_ANT1



Condition : Horizontal
Project No. : 2501R72164E-RF
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
Note : 5GWiFi_B1_N40_5230

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 39540.690	22.23	35.52	57.75	80.00	-22.25	Peak

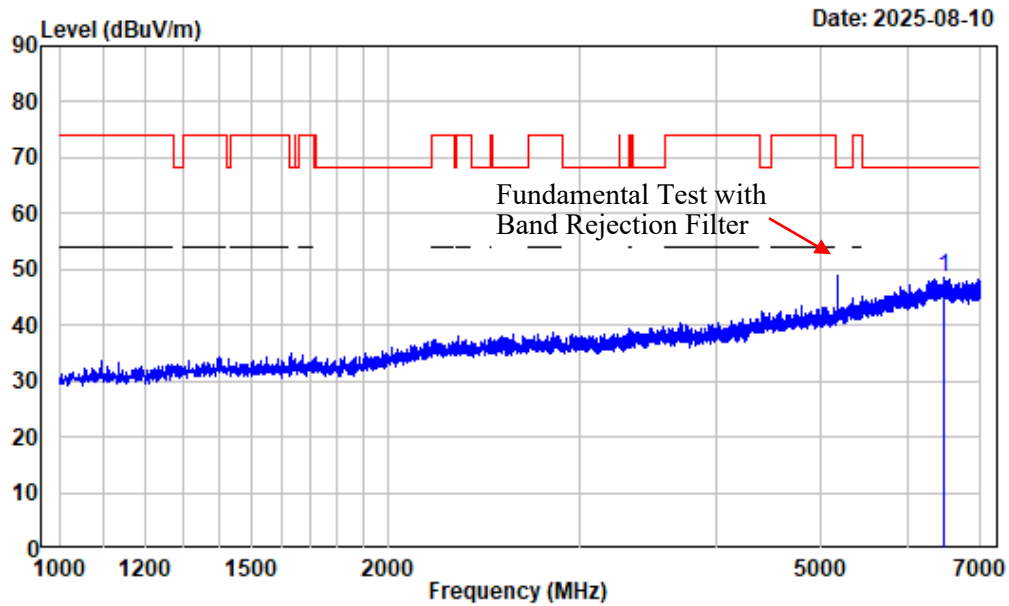
18-40GHz_Vertical_802.11n40_5320MHz_ANT1



Condition : Vertical
Project No. : 2501R72164E-RF
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
Note : 5GWiFi_B1_N40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39906.490	22.25	35.74	57.99	80.00	-22.01	Peak

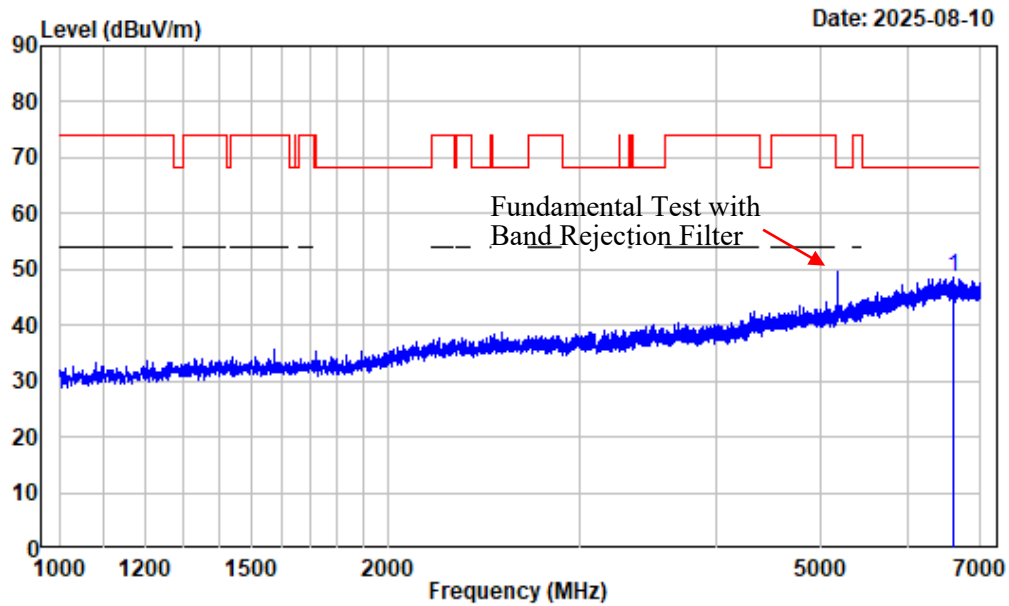
1-7GHz_Horizontal_802.11a_5180MHz_ANT2



Condition : Horizontal
Project No. : 2501R72164E-RF
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
Note : 5GWiFi_B1_A_5180

Freq Factor		Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6480.935	-2.92	51.54	48.62	68.20	-19.58 Peak

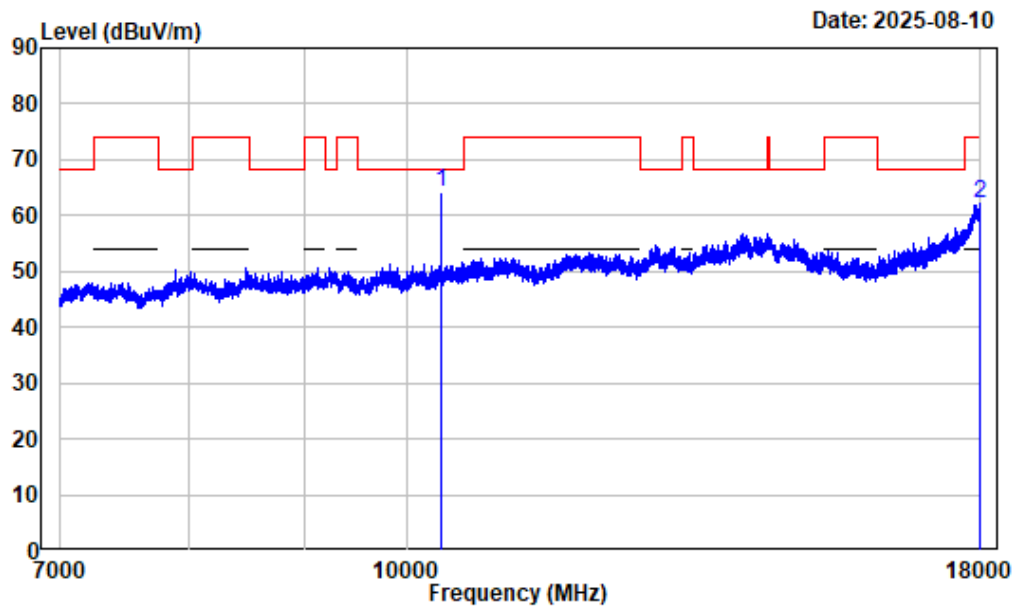
1-7GHz_Vertical_802.11a_5180MHz_ANT2



Condition : Vertical
Project No. : 2501R72164E-RF
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
Note : 5GWiFi_B1_A_5180

Freq Factor		Read	Limit	Over	Remark
		Level	Level	Line	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1 6621.953	-3.05	51.47	48.42	68.20	-19.78 Peak

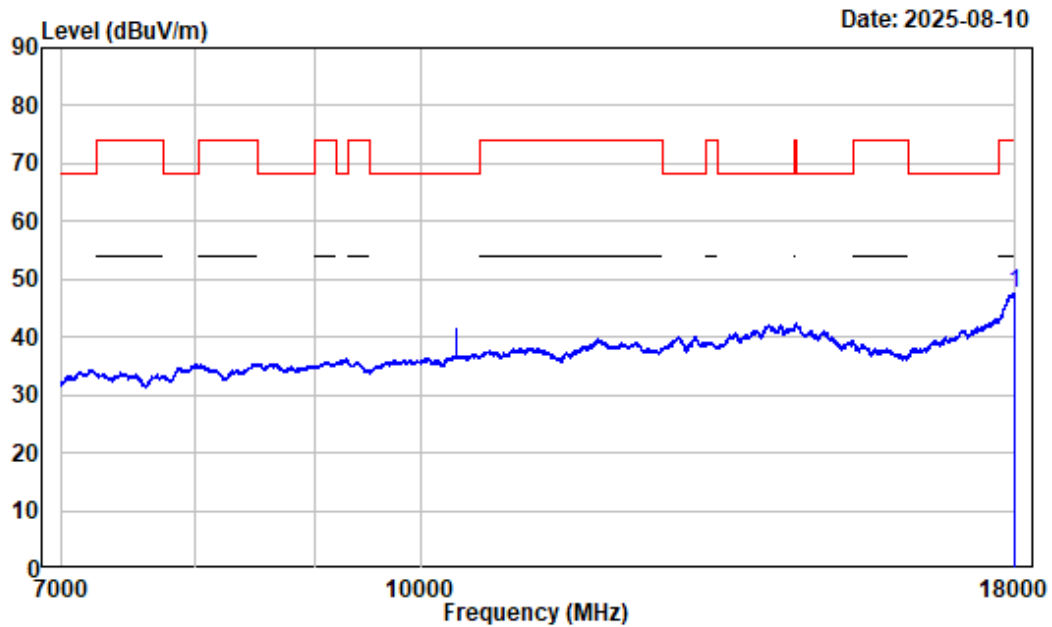
7-18GHz_Horizontal_Peak_802.11a_5180MHz_ANT2



Condition : Horizontal
Project No. : 2501R72164E-RF
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
Note : 5GWiFi_B1_A_5180

Freq Factor		Read	Limit	Over	Remark
MHz	dB/m	Level	Level	Line	
		dBuV	dBuV/m	dBuV/m	dB
1 10360.000	2.53	61.55	64.08	68.20	-4.12 Peak
2 17976.620	13.09	48.96	62.05	74.00	-11.95 Peak

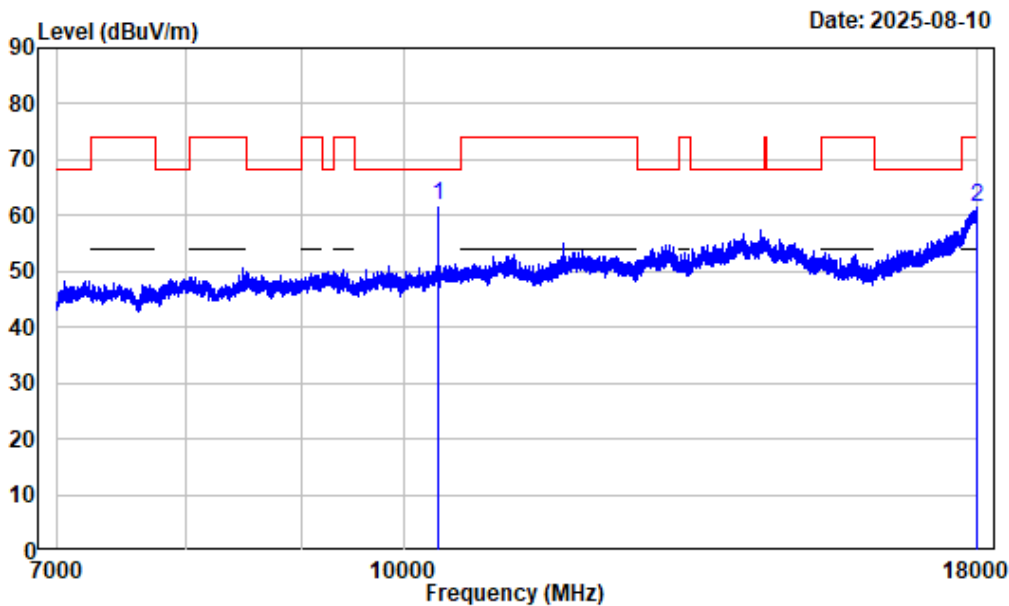
7-18GHz_Horizontal_Average_802.11a_5180MHz_ANT2



Condition : Horizontal
Project No. : 2501R72164E-RF
Tester : Leon Guo
Spectrum setting: Average reading: RBW:1MHz VBW:1kHz Detector:Peak
Note : 5GWiFi_B1_A_5180

Freq	Factor	Read		Limit	Over	Remark
		Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17984.870	13.12	34.58	47.70	54.00	-6.30	Average

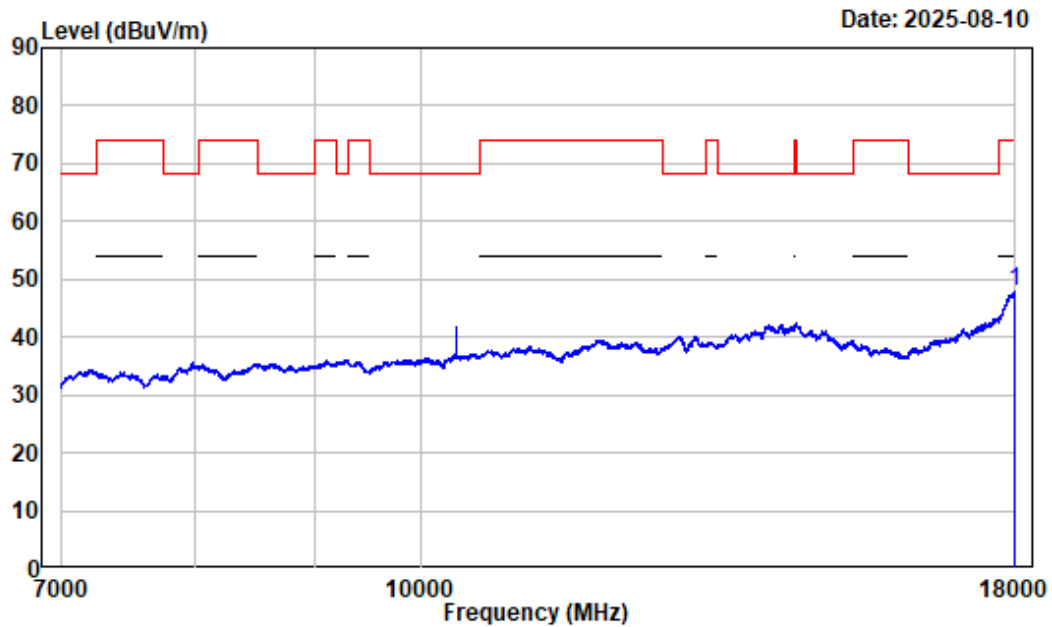
7-18GHz_Vertical_Peak_802.11a_5180MHz_ANT2



Condition : Vertical
Project No. : 2501R72164E-RF
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
Note : 5GWiFi_B1_A_5180

Freq Factor		Read		Limit	Over	Remark
MHz	dB/m	Level	Level	Line	Limit	
		dBuV	dBuV/m	dBuV/m	dB	
1 10360.000	2.53	59.44	61.97	68.20	-6.23	Peak
2 17995.880	13.18	48.13	61.31	74.00	-12.69	Peak

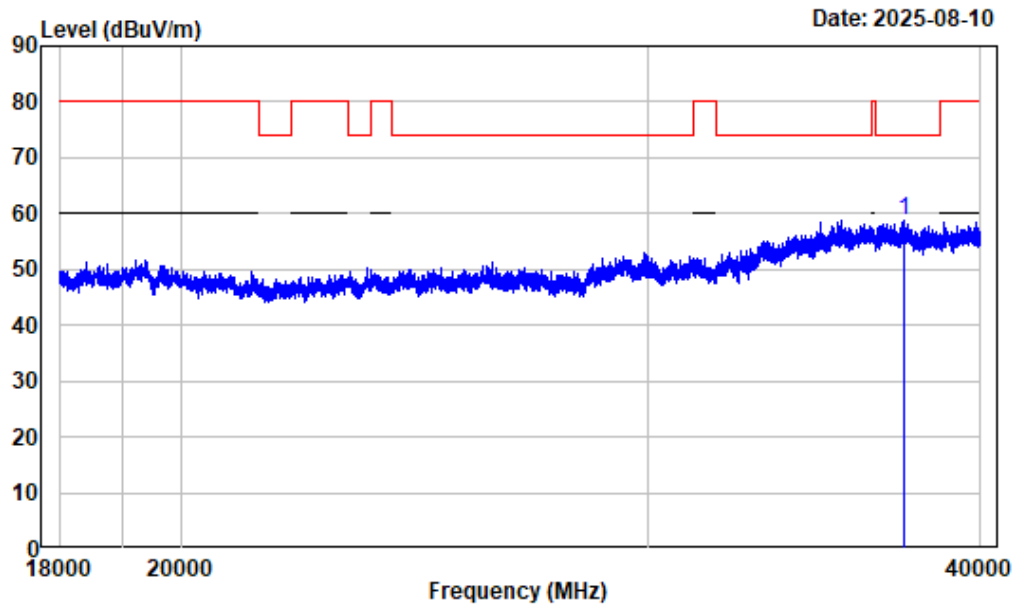
7-18GHz_Vertical_Average_802.11a_5180MHz_ANT2



Condition : Vertical
Project No. : 2501R72164E-RF
Tester : Leon Guo
Spectrum setting: Average reading: RBW:1MHz VBW:1kHz Detector:Peak
Note : 5GWiFi_B1_A_5180

Freq	Factor	Read		Limit	Over	Remark
		Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17998.630	13.19	34.67	47.86	54.00	-6.14	Average

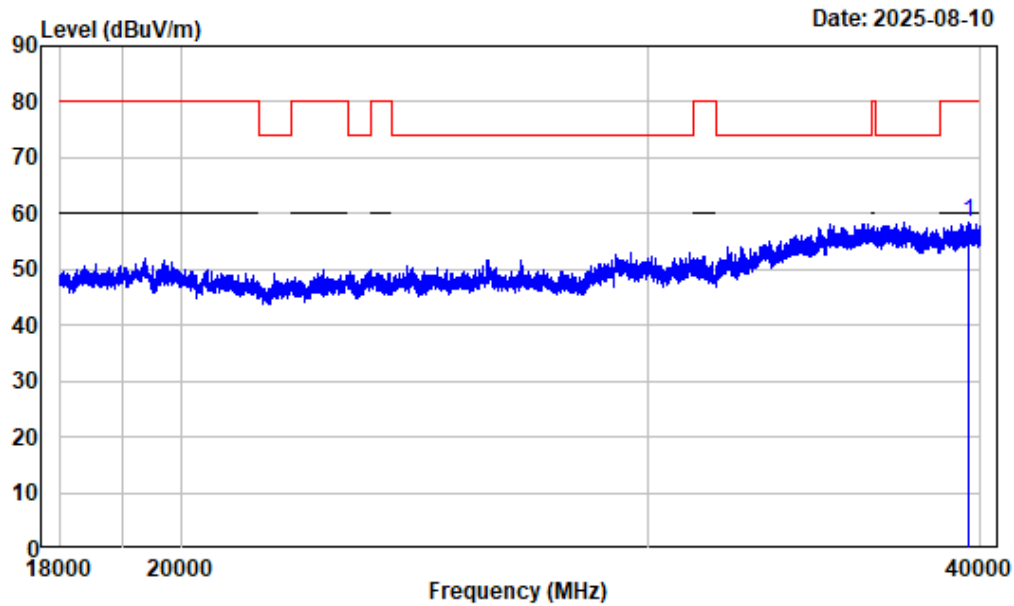
18-40GHz_Horizontal_802.11a_5180MHz_ANT2



Condition : Horizontal
Project No. : 2501R72164E-RF
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
Note : 5GWiFi_B1_A_5180

Freq Factor		Read	Limit	Over	Remark
		Level	Level	Line	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1 37422.930	22.67	36.07	58.74	74.20	-15.46 peak

18-40GHz_Vertical_802.11a_5180MHz_ANT2



Condition : Vertical
Project No. : 2501R72164E-RF
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
Note : 5GWiFi_B1_A_5180

Freq Factor		Read	Limit	Over	Remark
		Level	Level	Line	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1 39587.450	22.25	36.18	58.43	80.00	-21.57 peak

Emission Bandwidth**Test Information:**

Sample No.:	37PS-2	Test Date:	2025/08/09
Test Site:	RF	Test Mode:	Transmitting
Tester:	Rainbow Zhu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.2	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.0
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Test Data:**26dB Emission Bandwidth****5150-5250MHz**

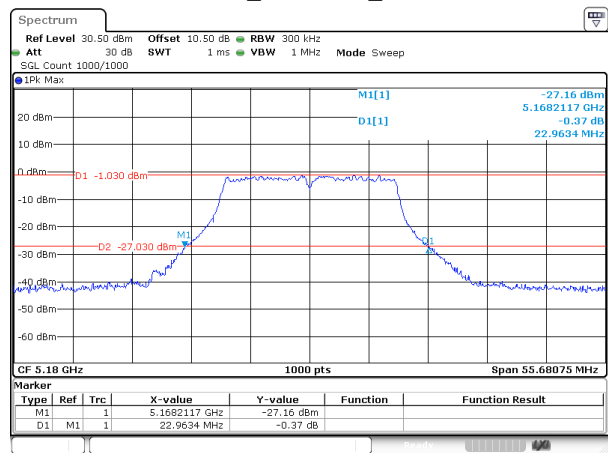
Mode	Antenna	Test Frequency (MHz)	Result (MHz)
802.11a	ANT 1	5180	22.963
		5200	23.082
		5240	22.856
	ANT 2	5180	22.824
		5200	22.868
		5240	22.792
802.11n20	ANT 1	5180	24.333
		5200	24.187
		5240	24.214
	ANT 2	5180	24.554
		5200	24.586
		5240	24.527
802.11n40	ANT 1	5190	39.439
		5230	39.640
	ANT 2	5190	39.640
		5230	39.439

6dB Emission Bandwidth**5725-5850MHz**

Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	ANT 1	5745	16.667	0.5	Pass
		5785	16.667	0.5	Pass
		5825	16.667	0.5	Pass
	ANT 2	5745	16.667	0.5	Pass
		5785	16.667	0.5	Pass
		5825	16.667	0.5	Pass
802.11n20	ANT 1	5745	17.868	0.5	Pass
		5785	17.868	0.5	Pass
		5825	17.868	0.5	Pass
	ANT 2	5745	17.868	0.5	Pass
		5785	17.918	0.5	Pass
		5825	17.868	0.5	Pass
802.11n40	ANT 1	5755	36.537	0.5	Pass
		5795	36.537	0.5	Pass
	ANT 2	5755	36.637	0.5	Pass
		5795	36.637	0.5	Pass

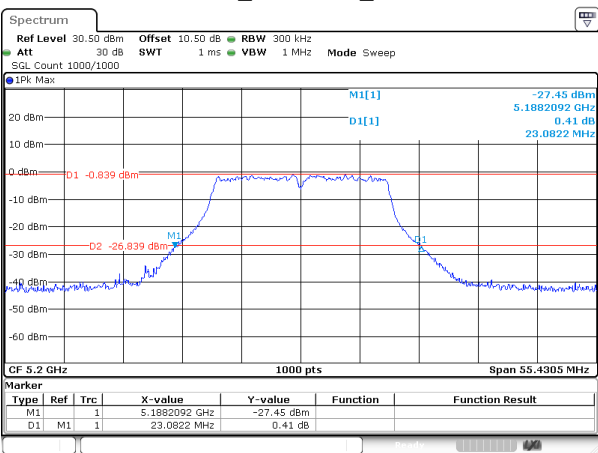
5150-5250MHz

802.11a_5180MHz_ANT 1



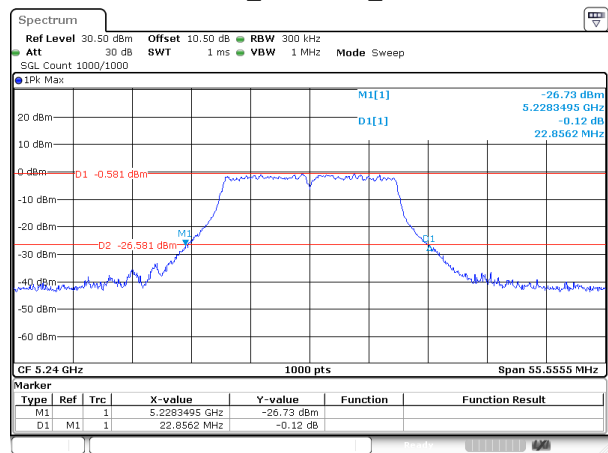
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Date: 9.AUG.2025 10:34:41

802.11a_5200MHz_ANT 1



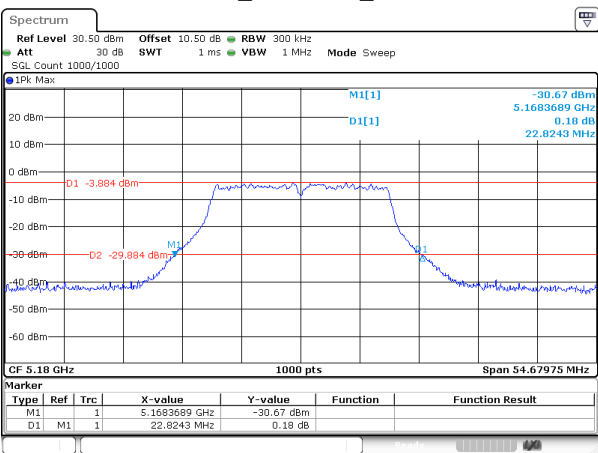
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Date: 9.AUG.2025 10:38:59

802.11a_5240MHz_ANT 1



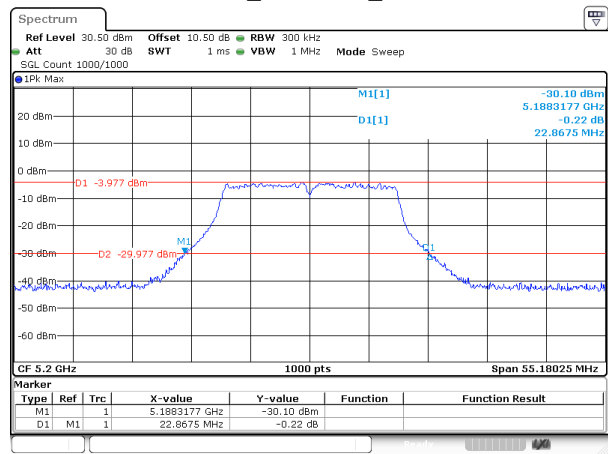
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 10:54:03

802.11a_5180MHz_ANT 2



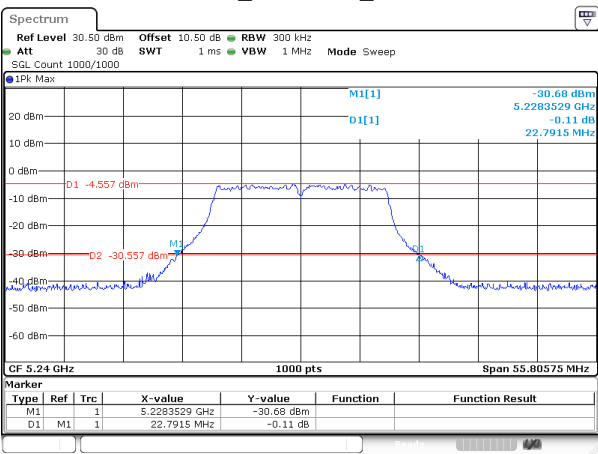
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 13:55:30

802.11a_5200MHz_ANT 2



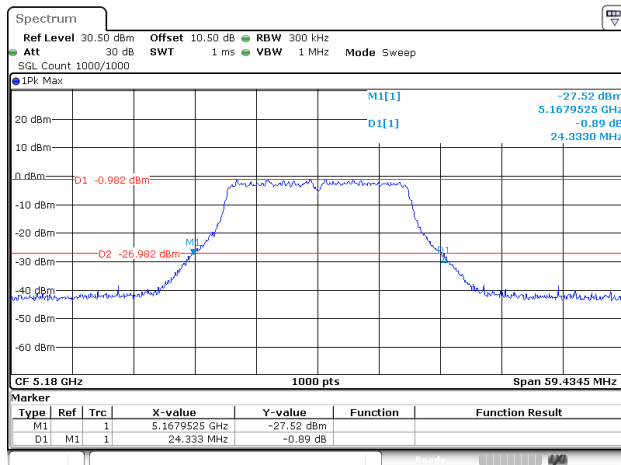
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Date: 9.AUG.2025 13:59:49

802.11a_5240MHz_ANT 2



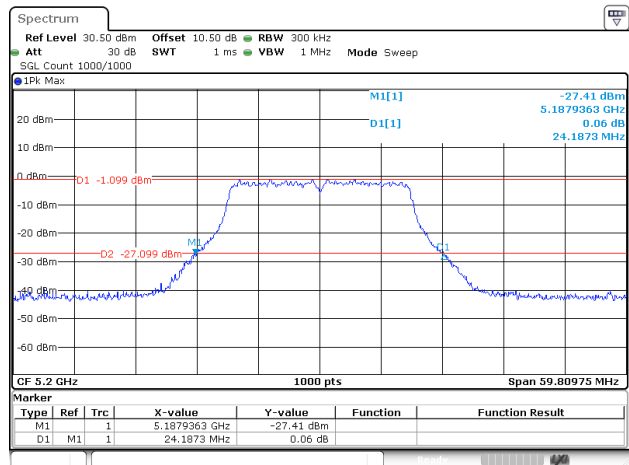
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Date: 9.AUG.2025 14:02:37

802.11n20_5180MHz_ANT 1



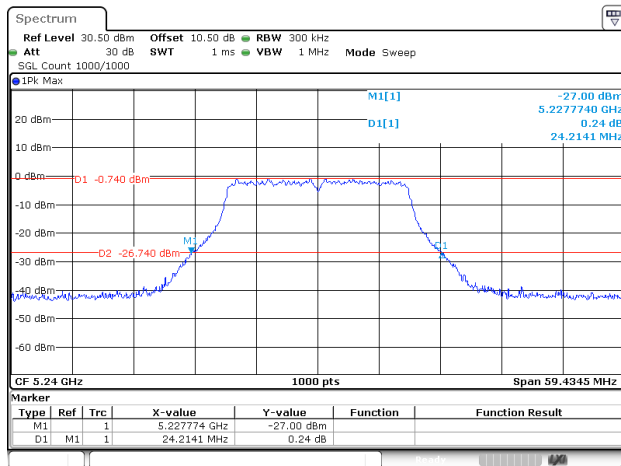
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802.11n20_5200MHz_ANT 1



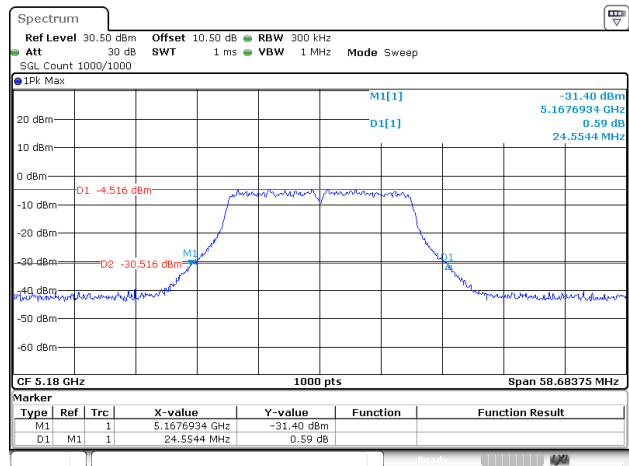
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Date: 9.AUG.2025 11:01:51

802.11n20_5240MHz_ANT 1



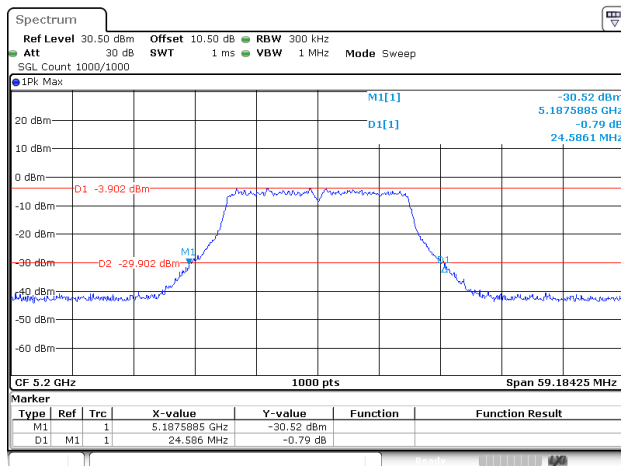
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802.11n20_5180MHz_ANT 2



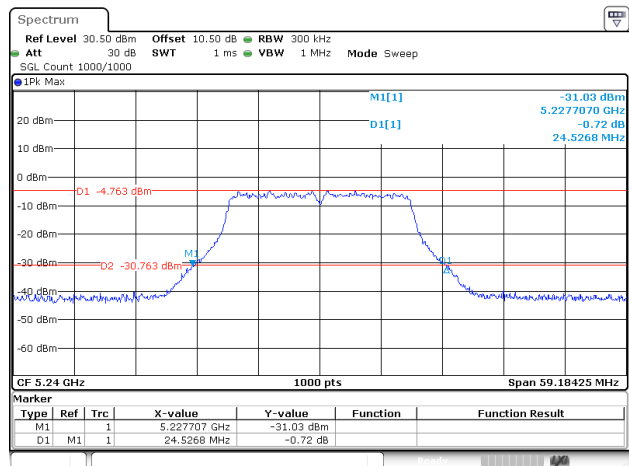
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 14:10:13

802.11n20_5200MHz_ANT 2



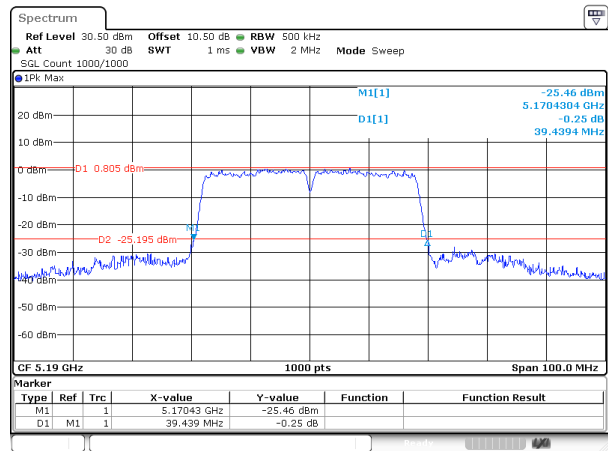
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 14:17:56

802.11n20_5240MHz_ANT 2



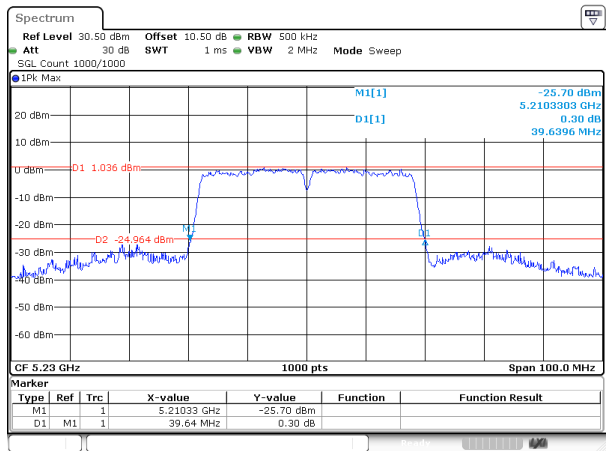
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 14:20:24

802.11n40_5190MHz_ANT 1



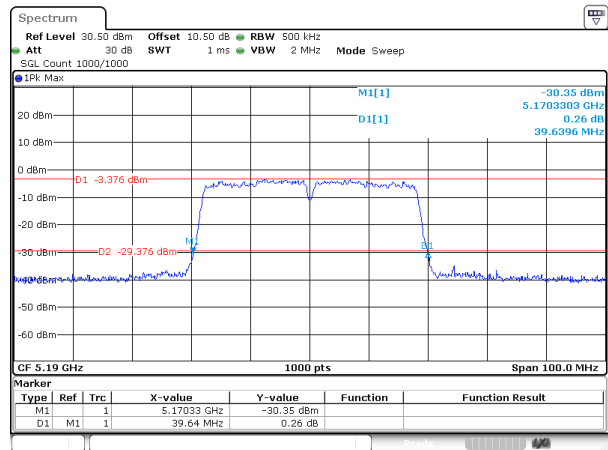
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 11:12:51

802.11n40_5230MHz_ANT 1



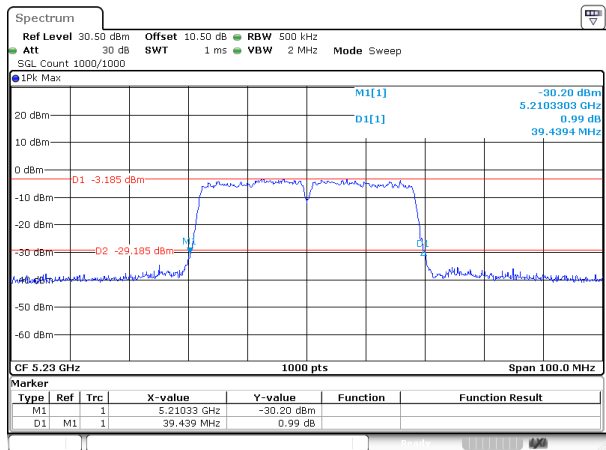
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 11:11:23

802.11n40_5190MHz_ANT 2



ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 14:24:14

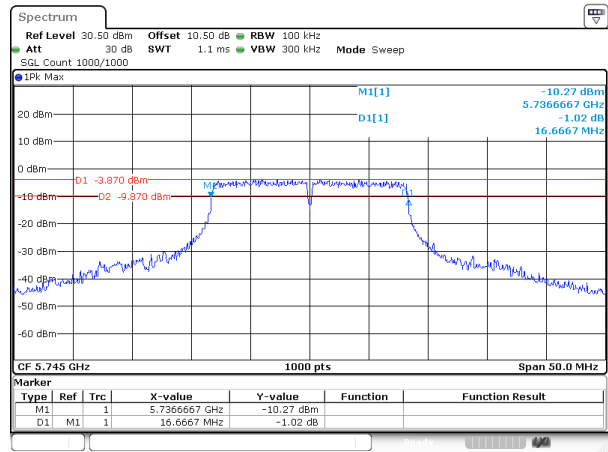
802.11n40_5230MHz_ANT 2



ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 14:27:03

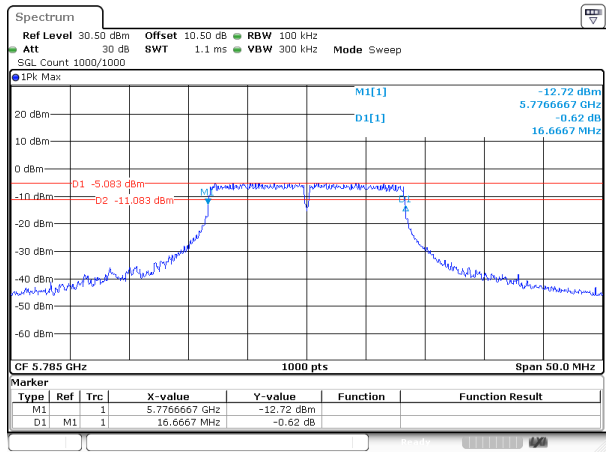
5725-5850MHz

802.11a_5745MHz_ANT 1



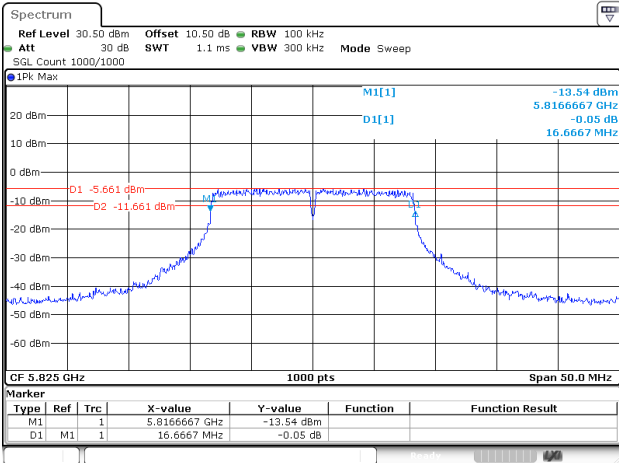
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Date: 9.AUG.2025 12:09:54

802.11a_5785MHz_ANT 1



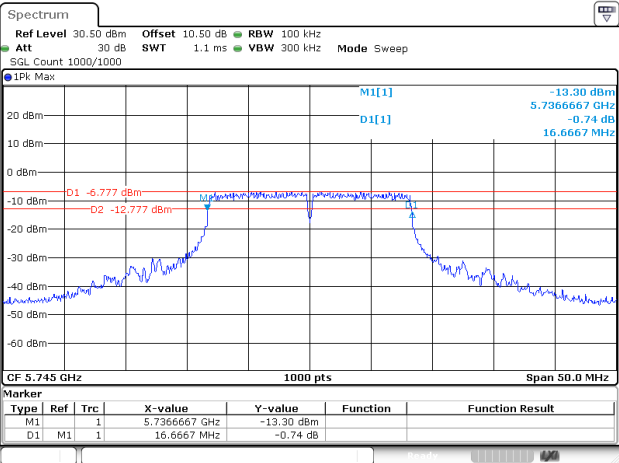
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 13:15:03

802.11a_5825MHz_ANT 1



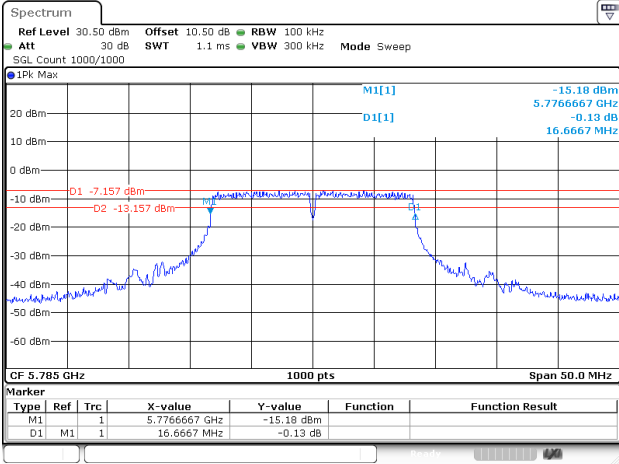
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Date: 9.AUG.2025 13:17:21

802.11a_5745MHz_ANT 2



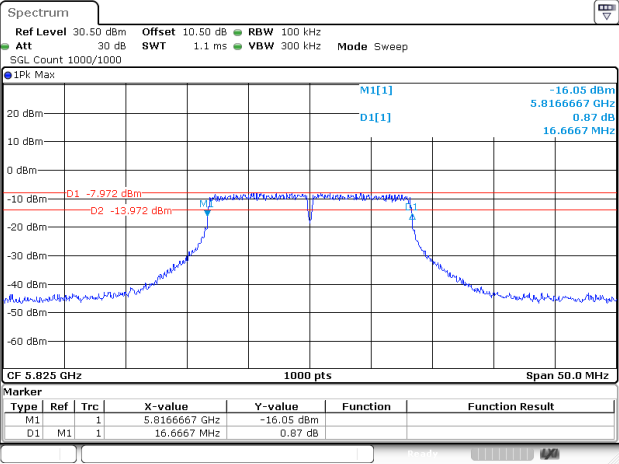
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 14:49:30

802.11a_5785MHz_ANT 2



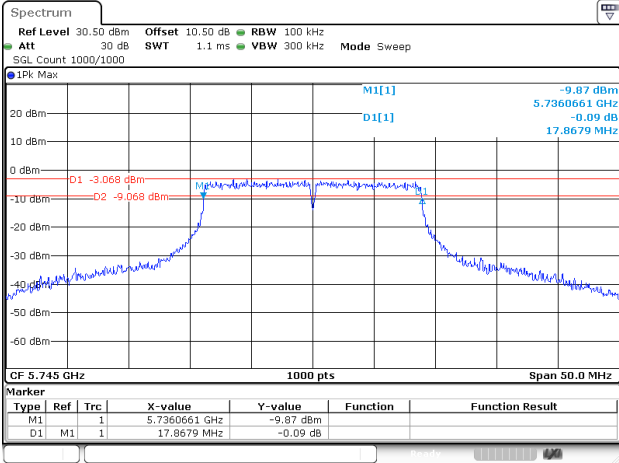
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Date: 9.AUG.2025 14:52:08

802.11a_5825MHz_ANT 2



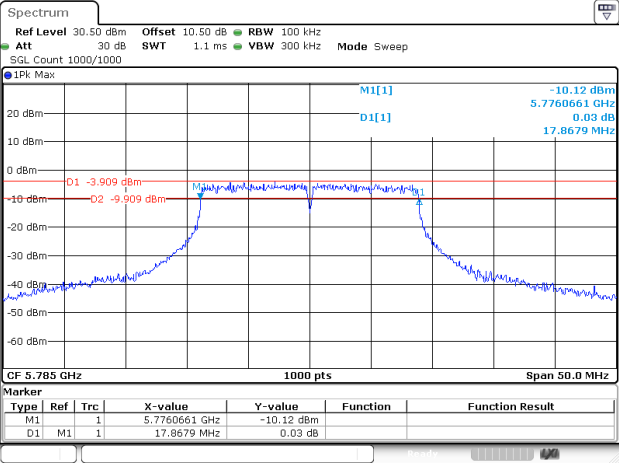
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Date: 9.AUG.2025 14:55:10

802.11n20_5745MHz_ANT 1



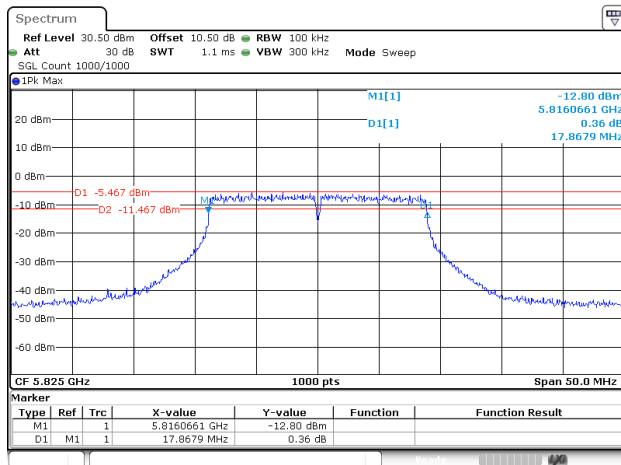
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Date: 9.AUG.2025 13:23:34

802.11n20_5785MHz_ANT 1



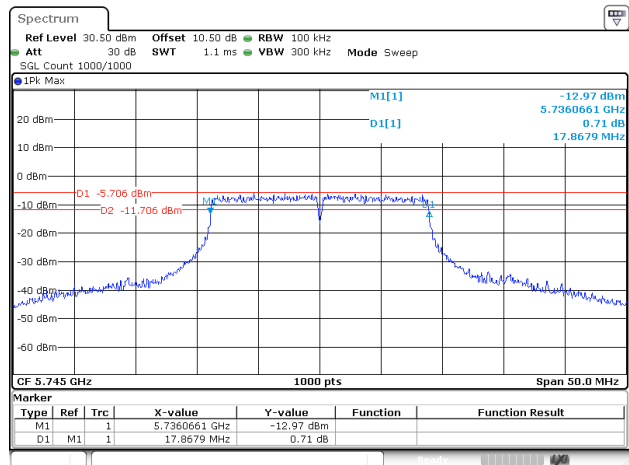
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Date: 9.AUG.2025 13:33:04

802.11n20_5825MHz_ANT 1



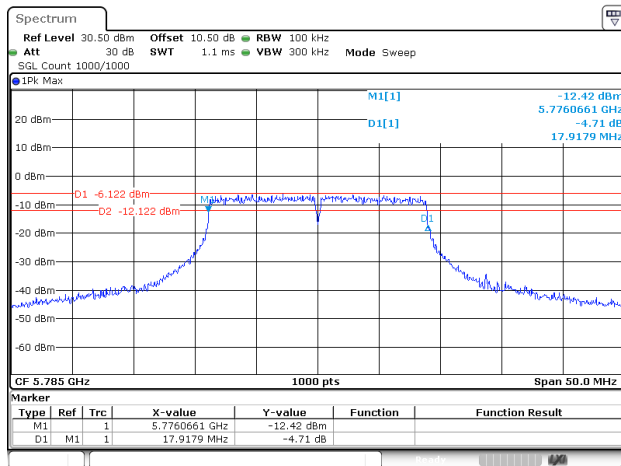
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Date: 9.AUG.2025 13:37:13

802.11n20_5745MHz_ANT 2



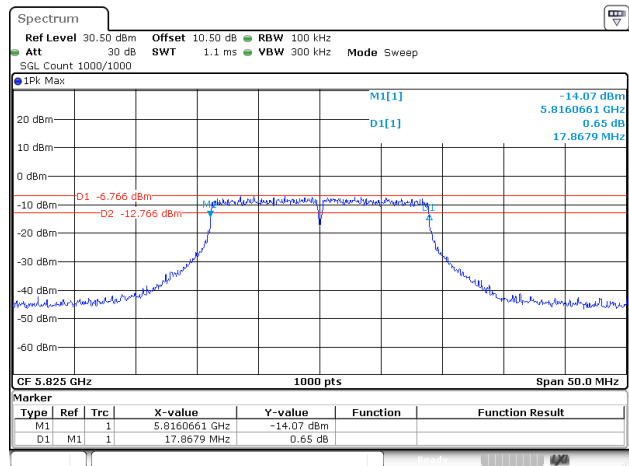
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 15:13:23

802.11n20_5785MHz_ANT 2



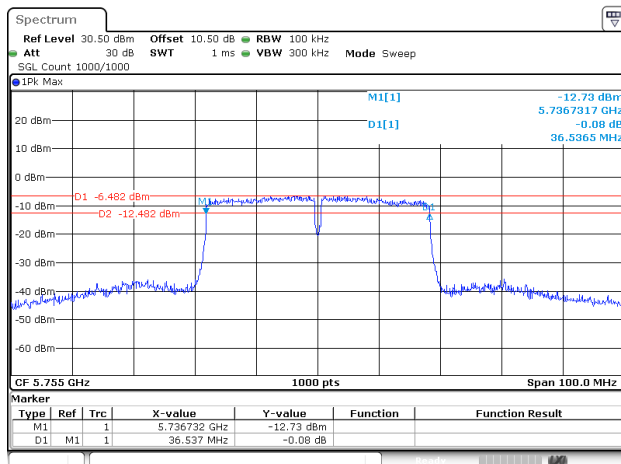
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 15:15:33

802.11n20_5825MHz_ANT 2



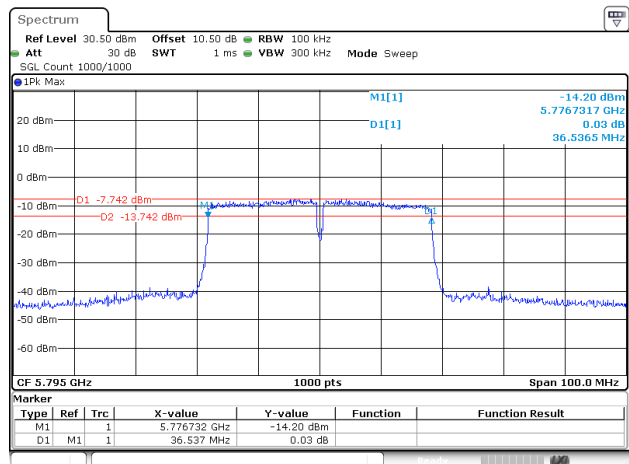
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 15:18:07

802.11n40_5755MHz_ANT 1



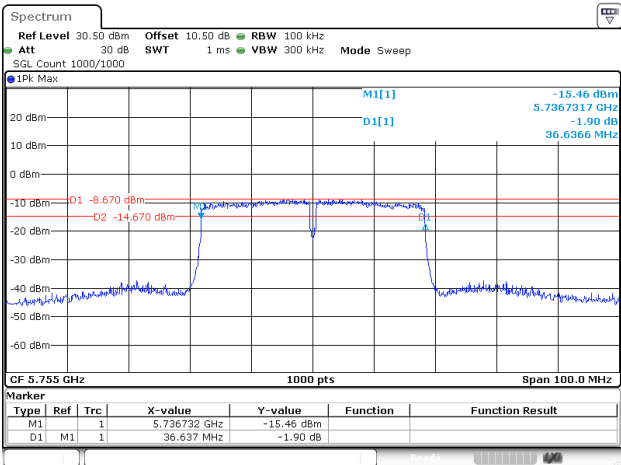
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 13:38:44

802.11n40_5795MHz_ANT 1



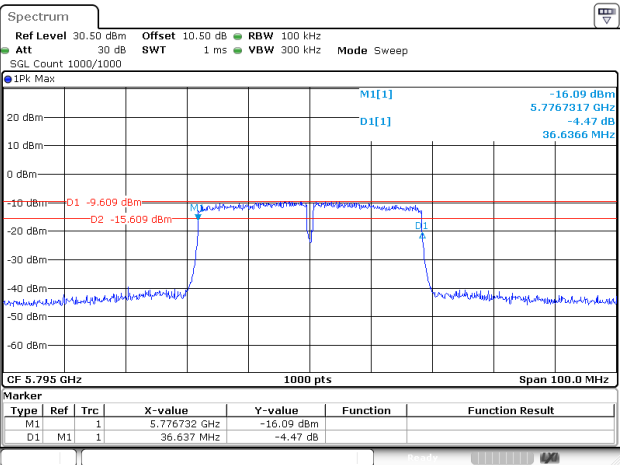
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 13:39:52

802.11n40_5755MHz_ANT 2



ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 15:21:28

802.11n40_5795MHz_ANT 2



ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 15:22:37

99% Occupied Bandwidth**Test Information:**

Sample No.:	37PS-2	Test Date:	2025/08/09
Test Site:	RF	Test Mode:	Transmitting
Tester:	Rainbow Zhu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.2	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.0
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Test Data:**5150-5250MHz**

Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	ANT 1	5180	16.700
		5200	16.750
		5240	16.750
	ANT 2	5180	16.750
		5200	16.750
		5240	16.750
802.11n20	ANT 1	5180	17.950
		5200	17.950
		5240	17.950
	ANT 2	5180	17.950
		5200	17.950
		5240	17.950
802.11n40	ANT 1	5190	36.100
		5230	36.100
	ANT 2	5190	36.100
		5230	36.100

Note:

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

5725-5850MHz

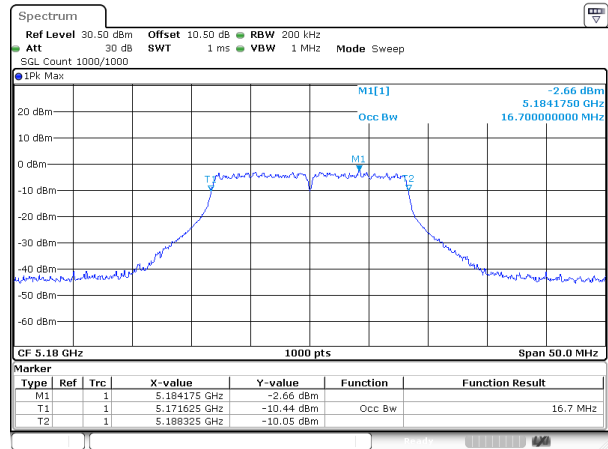
Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	ANT 1	5745	16.800
		5785	16.800
		5825	16.750
	ANT 2	5745	16.850
		5785	16.800
		5825	16.750
802.11n20	ANT 1	5745	18.050
		5785	18
		5825	17.950
	ANT 2	5745	18.050
		5785	17.950
		5825	17.950
802.11n40	ANT 1	5755	36.200
		5795	36
	ANT 2	5755	36.100
		5795	36.100

Note:

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

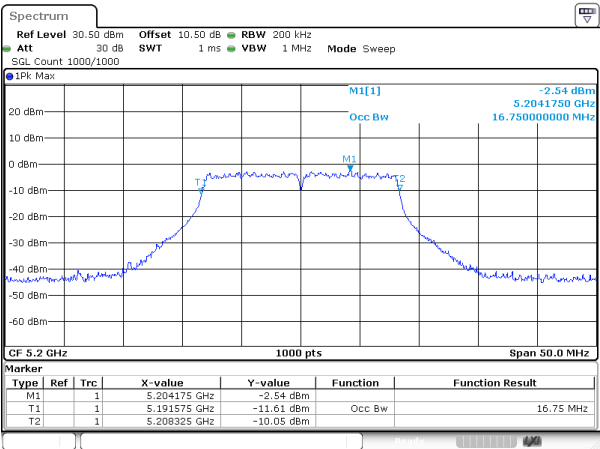
5150-5250MHz

802.11a_5180MHz_ANT 1



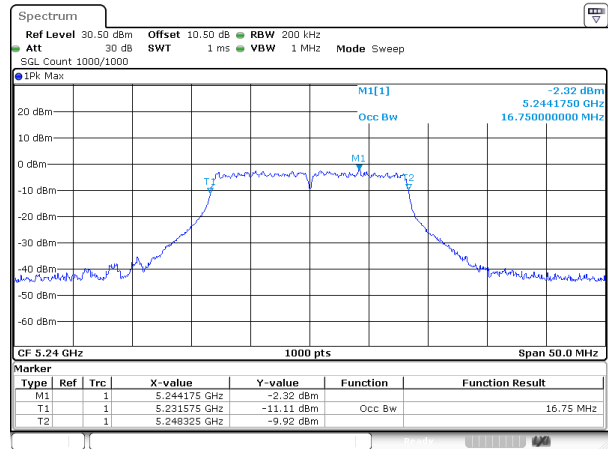
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802.11a_5200MHz_ANT 1



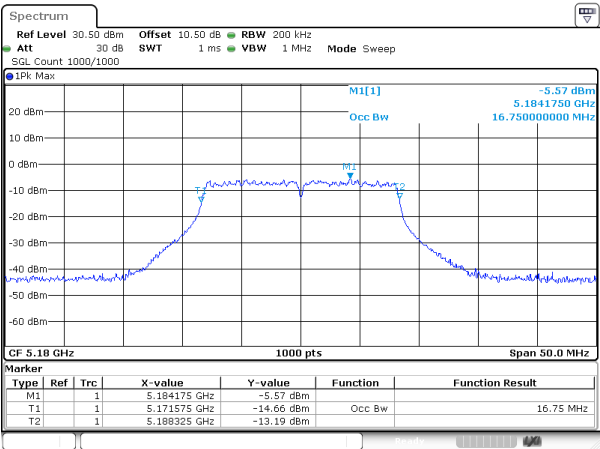
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802.11a_5240MHz_ANT 1



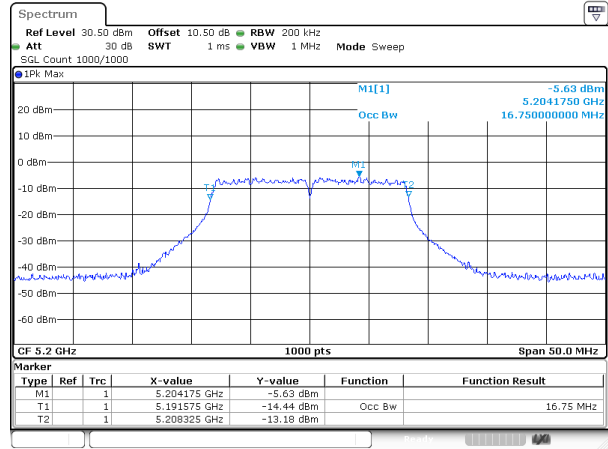
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802.11a_5180MHz_ANT 2



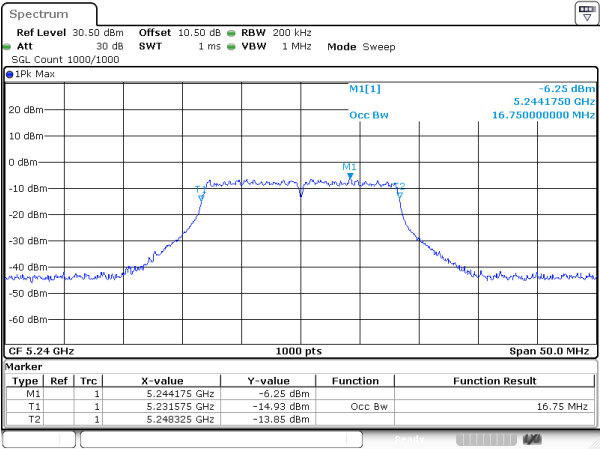
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802.11a_5200MHz_ANT 2



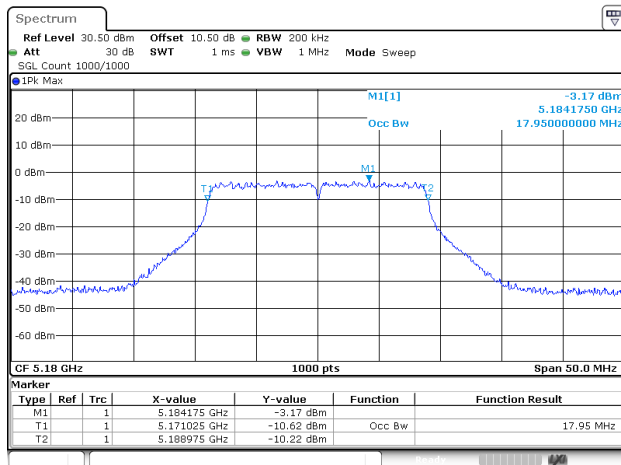
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802.11a_5240MHz_ANT 2



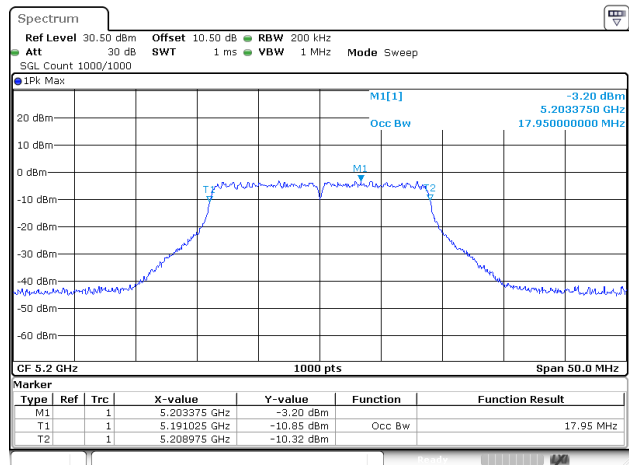
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802.11n20_5180MHz_ANT 1



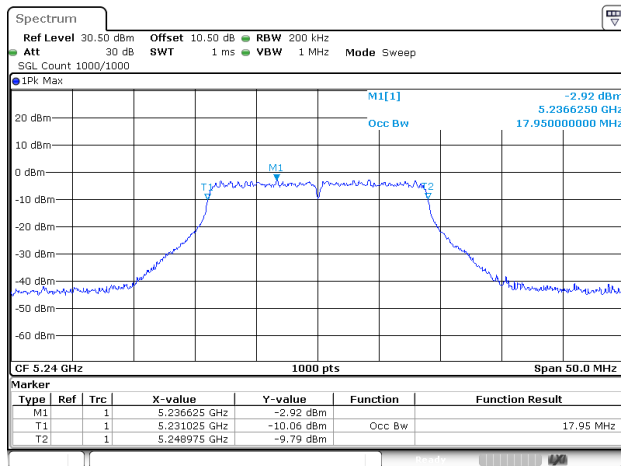
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802.11n20_5200MHz_ANT 1



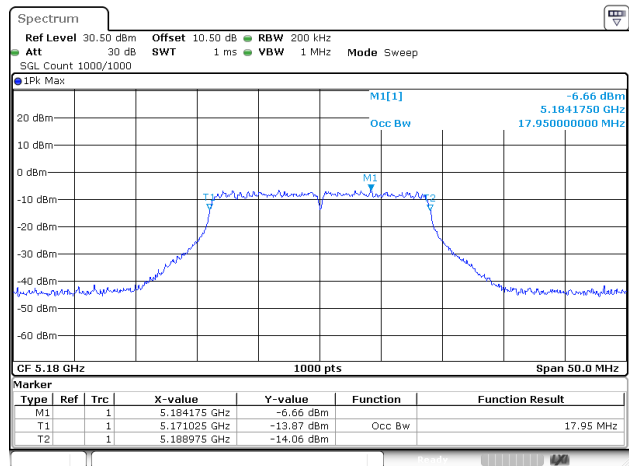
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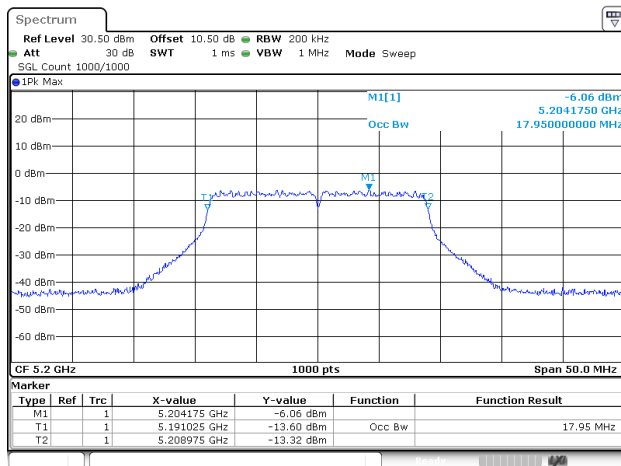
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802.11n20_5180MHz_ANT 2



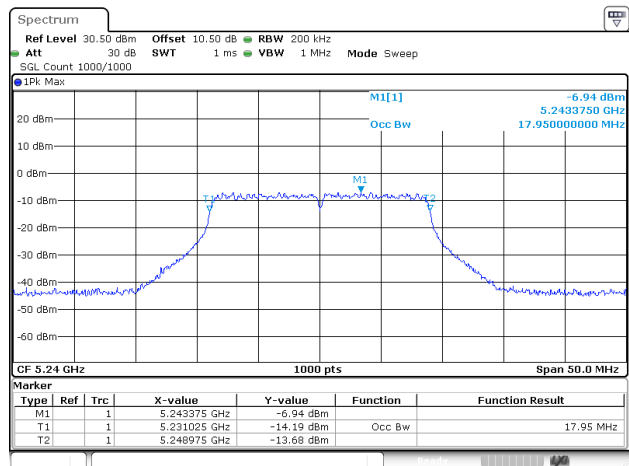
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802.11n20_5200MHz_ANT 2



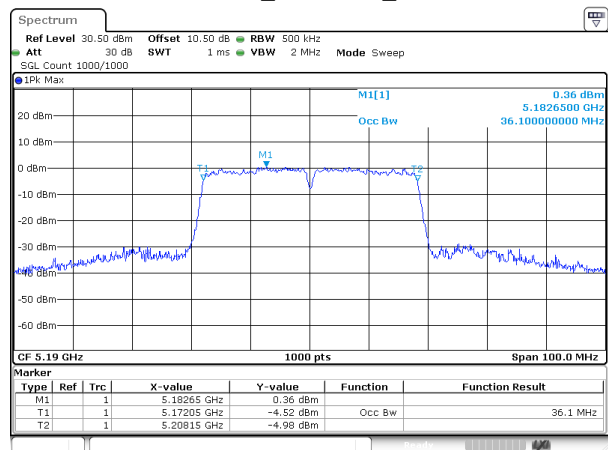
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802.11n20_5240MHz_ANT 2



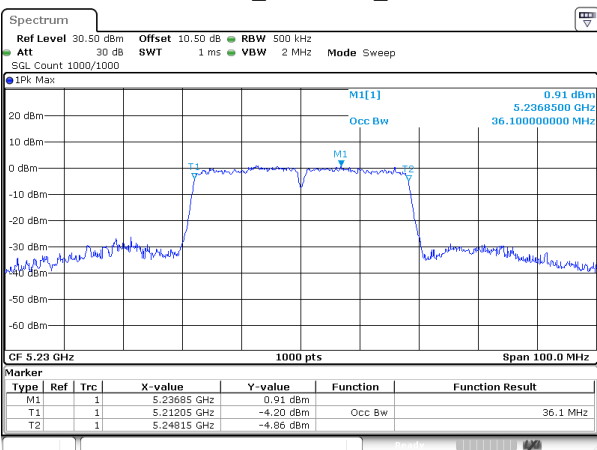
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802.11n40_5190MHz_ANT 1



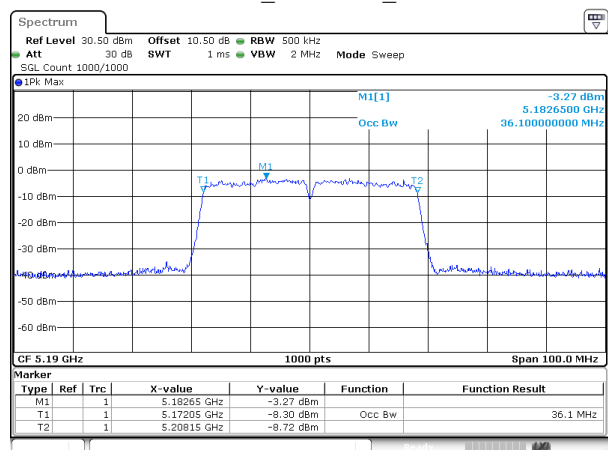
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802.11n40_5230MHz_ANT 1



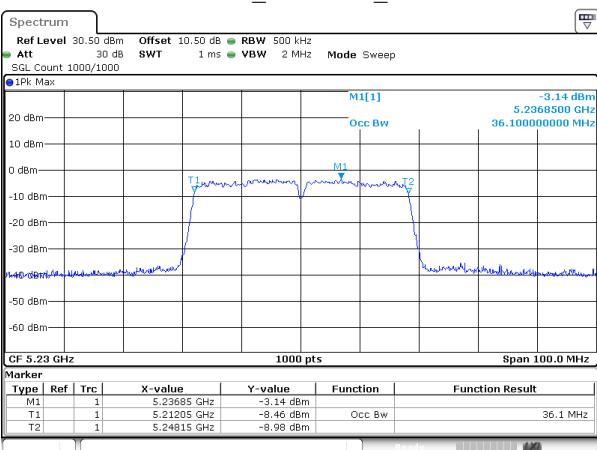
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802.11n40_5190MHz_ANT 2



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Date: 9.AUG.2025 14:24:37

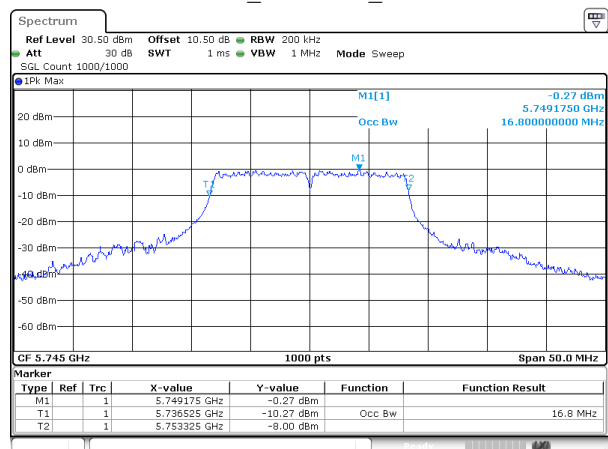
802.11n40_5230MHz_ANT 2



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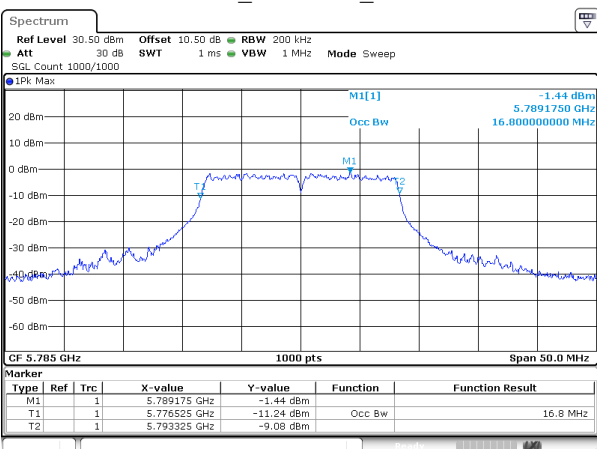
5725-5850MHz

802.11a_5745MHz_ANT 1



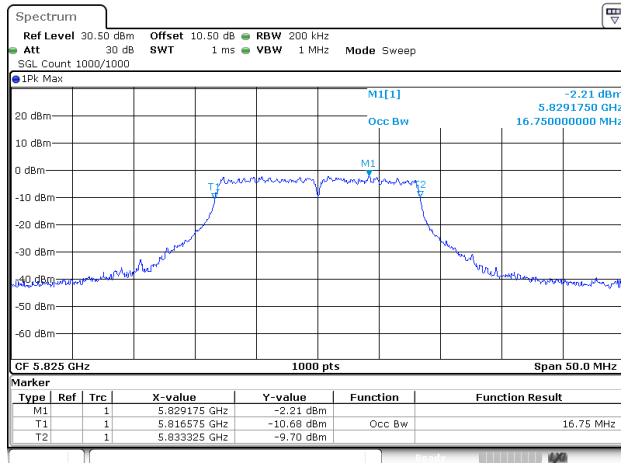
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802.11a_5785MHz_ANT 1



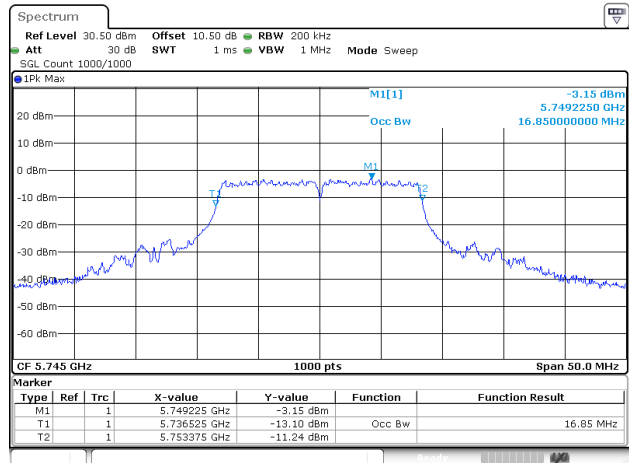
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802.11a_5825MHz_ANT 1



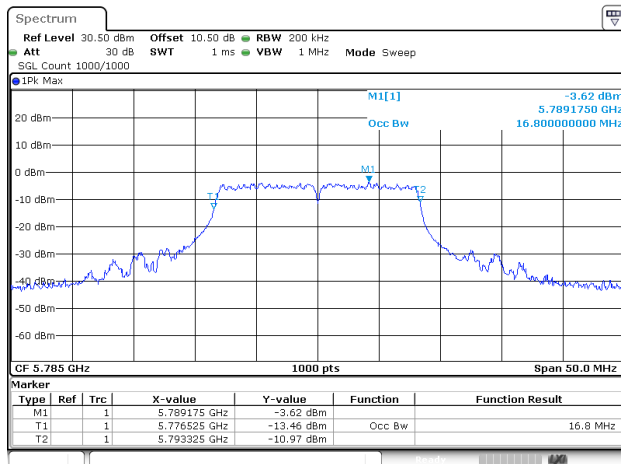
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802.11a_5745MHz_ANT 2



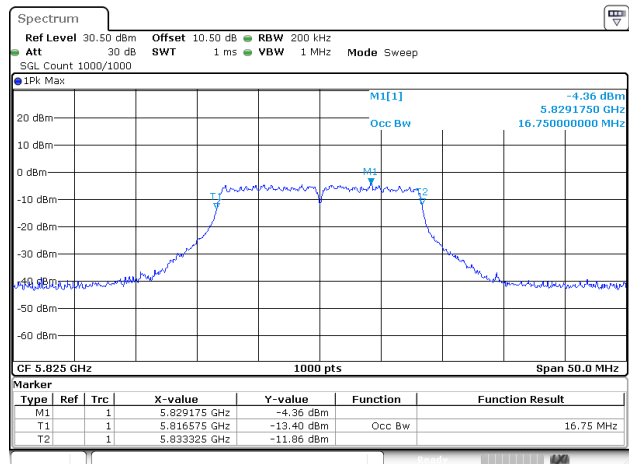
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802.11a_5785MHz_ANT 2



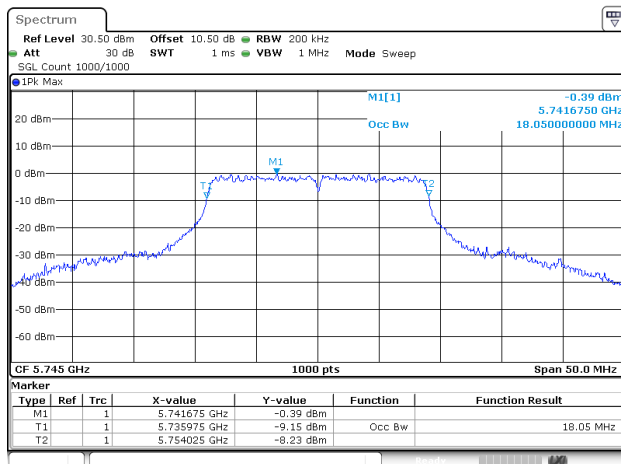
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802.11a_5825MHz_ANT 2



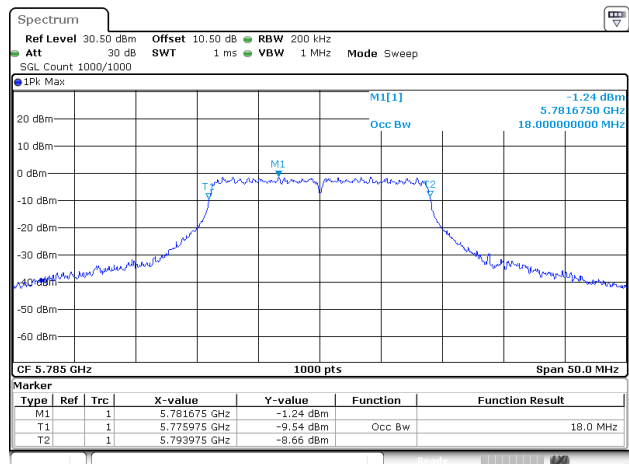
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802.11n20_5745MHz_ANT 1



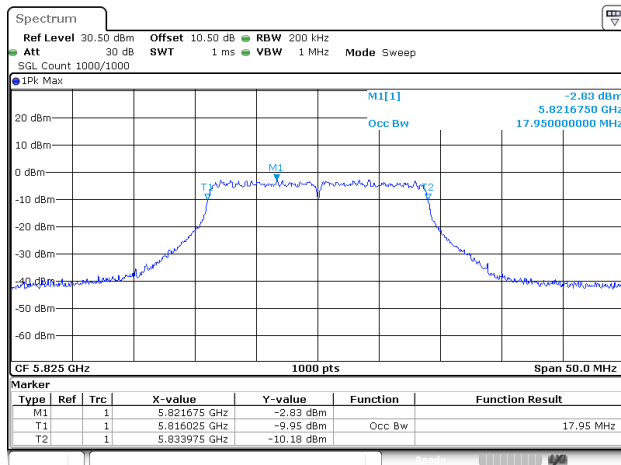
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802.11n20_5785MHz_ANT 1



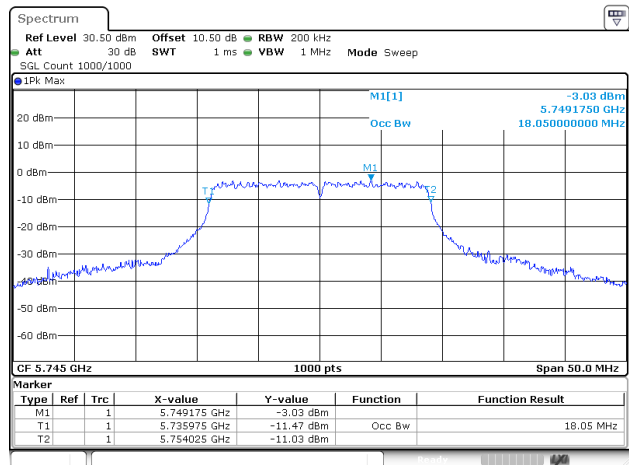
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802.11n20_5825MHz_ANT 1



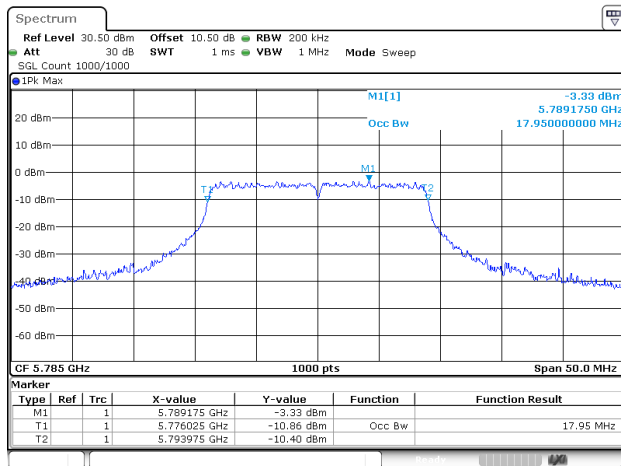
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802.11n20_5745MHz_ANT 2



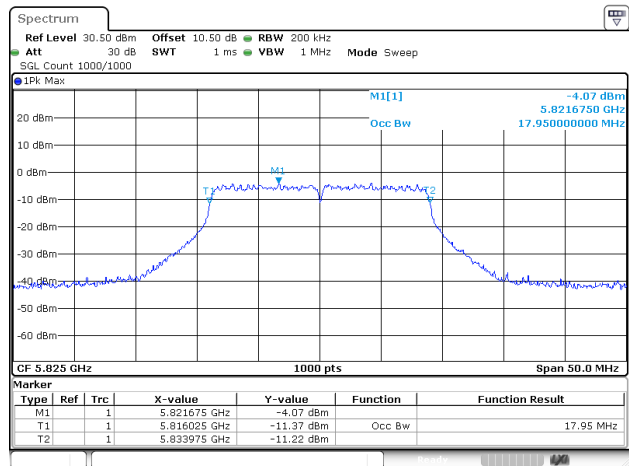
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802.11n20_5785MHz_ANT 2



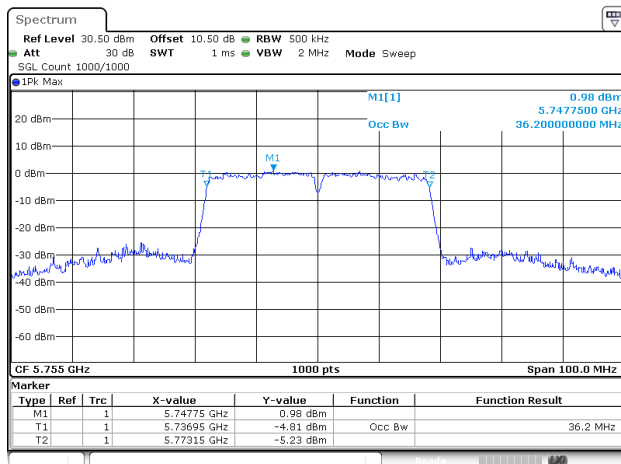
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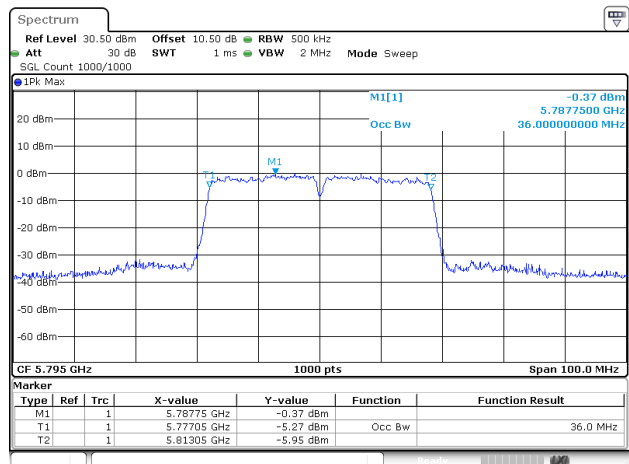
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802.11n40_5755MHz_ANT 1



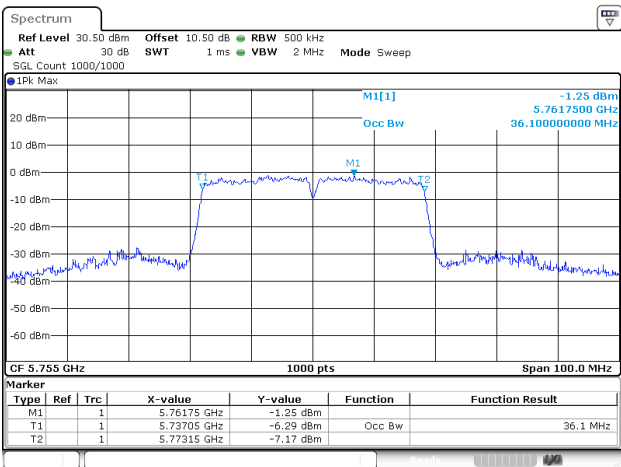
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802.11n40_5795MHz_ANT 1



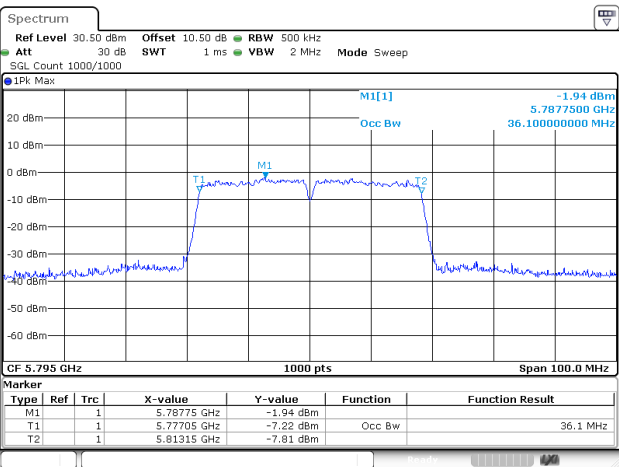
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802.11n40_5755MHz_ANT 2



ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 15:21:45

802.11n40_5795MHz_ANT 2



ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 15:22:54

Maximum Conducted Output Power

Test Information:

Sample No.:	37PS-2	Test Date:	2025/08/09
Test Site:	RF	Test Mode:	Transmitting
Tester:	Rainbow Zhu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.2	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.0
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Test Data:**5150-5250MHz**

Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	ANT 1	5180	8.09	24	Pass
		5200	8.23	24	Pass
		5240	8.50	24	Pass
	ANT 2	5180	5.16	24	Pass
		5200	5.15	24	Pass
		5240	4.49	24	Pass
802.11n20	ANT 1	5180	8.15	24	Pass
		5200	8.20	24	Pass
		5240	8.52	24	Pass
	ANT 2	5180	4.68	24	Pass
		5200	5.29	24	Pass
		5240	4.43	24	Pass
802.11n40	ANT 1	5190	10.25	24	Pass
		5230	10.56	24	Pass
	ANT 2	5190	6.43	24	Pass
		5230	6.40	24	Pass

5725-5850MHz

Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	ANT 1	5745	10.63	30	Pass
		5785	9.48	30	Pass
		5825	8.71	30	Pass
	ANT 2	5745	7.75	30	Pass
		5785	7.28	30	Pass
		5825	6.50	30	Pass
802.11n20	ANT 1	5745	11.02	30	Pass
		5785	10.07	30	Pass
		5825	8.52	30	Pass
	ANT 2	5745	8.34	30	Pass
		5785	8.09	30	Pass
		5825	7.29	30	Pass
802.11n40	ANT 1	5755	10.57	30	Pass
		5795	9.31	30	Pass
	ANT 2	5755	8.41	30	Pass
		5795	7.63	30	Pass

Power Spectral Density

Test Information:

Sample No.:	37PS-2	Test Date:	2025/08/09
Test Site:	RF	Test Mode:	Transmitting
Tester:	Rainbow Zhu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.2	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.0
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Test Data:**5150-5250MHz**

Mode	Antenna	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	ANT 1	5180	-2.54	/	-2.54	11	Pass
		5200	-2.58	/	-2.58	11	Pass
		5240	-2.20	/	-2.20	11	Pass
	ANT 2	5180	-5.63	/	-5.63	11	Pass
		5200	-5.93	/	-5.93	11	Pass
		5240	-6.58	/	-6.58	11	Pass
802.11n20	ANT 1	5180	-3.11	/	-3.11	11	Pass
		5200	-2.76	/	-2.76	11	Pass
		5240	-3.09	/	-3.09	11	Pass
	ANT 2	5180	-5.37	/	-5.37	11	Pass
		5200	-6.39	/	-6.39	11	Pass
		5240	-6.60	/	-6.60	11	Pass
802.11n40	ANT 1	5190	-3.75	/	-3.75	11	Pass
		5230	-3.46	/	-3.46	11	Pass
	ANT 2	5190	-6.71	/	-6.71	11	Pass
		5230	-7.69	/	-7.69	11	Pass

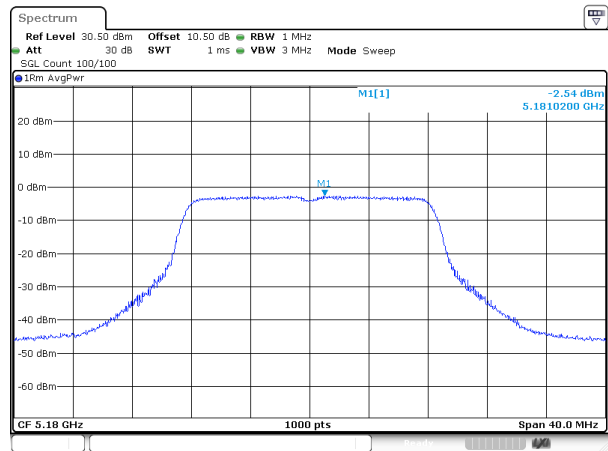
5725-5850MHz

Mode	Antenna	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor(dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11a	ANT 1	5745	-3.10	/	-3.10	30	Pass
		5785	-4.65	/	-4.65	30	Pass
		5825	-5.20	/	-5.20	30	Pass
	ANT 2	5745	-6.17	/	-6.17	30	Pass
		5785	-6.77	/	-6.77	30	Pass
		5825	-7.26	/	-7.26	30	Pass
802.11n20	ANT 1	5745	-3.23	/	-3.23	30	Pass
		5785	-4.21	/	-4.21	30	Pass
		5825	-5.63	/	-5.63	30	Pass
	ANT 2	5745	-6.37	/	-6.37	30	Pass
		5785	-6.13	/	-6.13	30	Pass
		5825	-5.87	/	-5.87	30	Pass
802.11n40	ANT 1	5755	-6.61	/	-6.61	30	Pass
		5795	-7.66	/	-7.66	30	Pass
	ANT 2	5755	-8.40	/	-8.40	30	Pass
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Result = Reading + Duty Cycle Factor

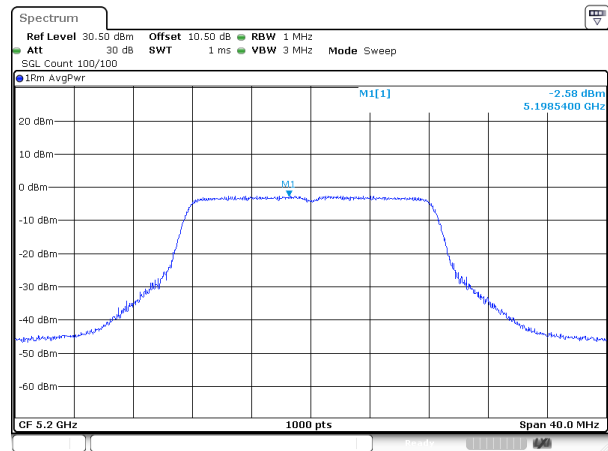
5150-5250MHz

802.11a_5180MHz_ANT 1



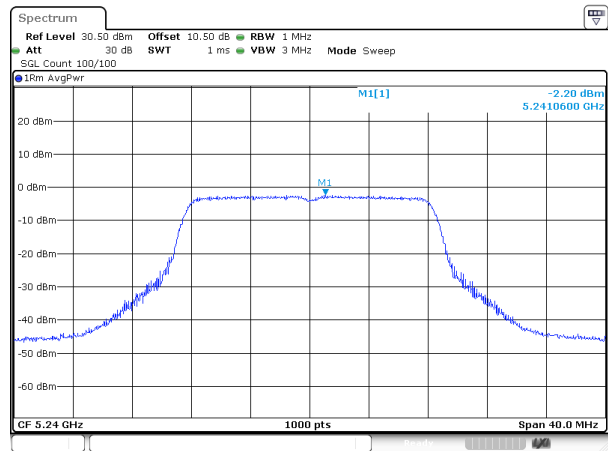
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802.11a_5200MHz_ANT 1



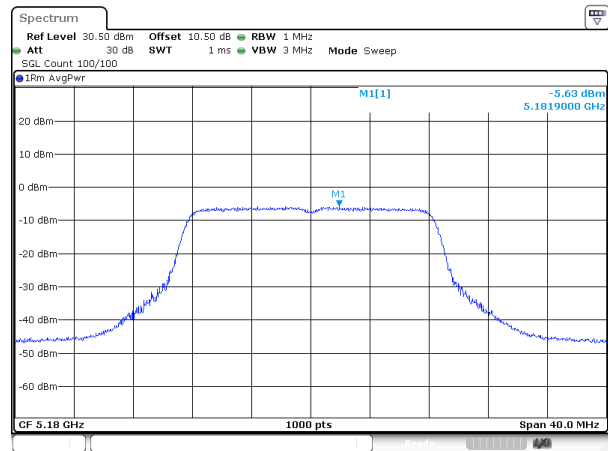
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802.11a_5240MHz_ANT 1



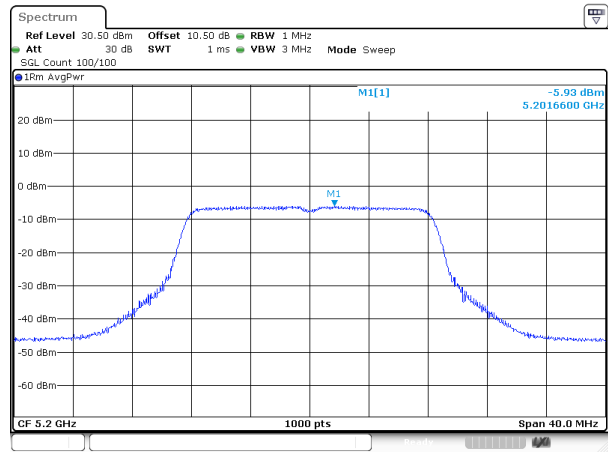
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802.11a_5180MHz_ANT 2



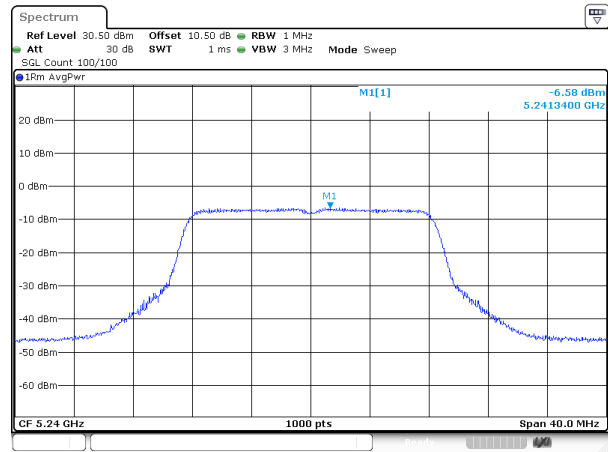
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802.11a_5200MHz_ANT 2



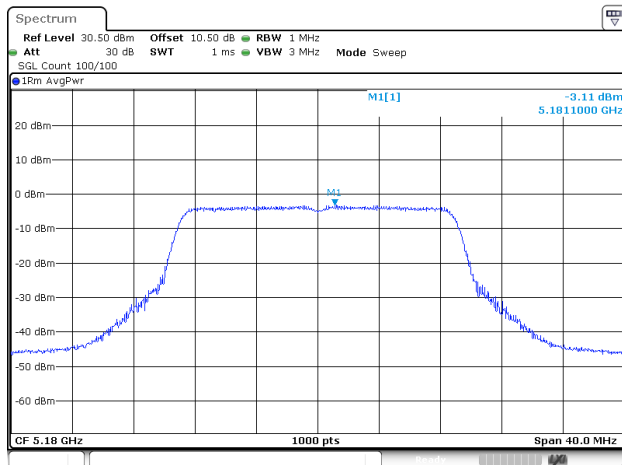
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802.11a_5240MHz_ANT 2



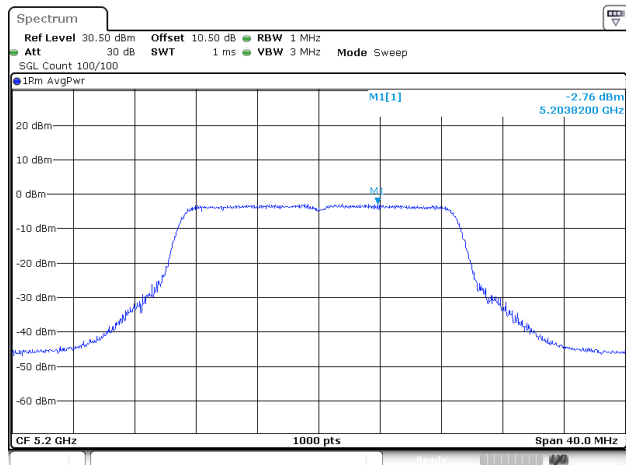
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802.11n20_5180MHz_ANT 1



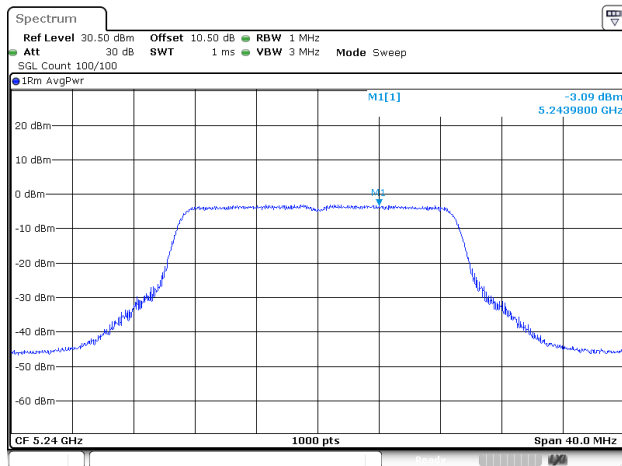
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802.11n20_5200MHz_ANT 1



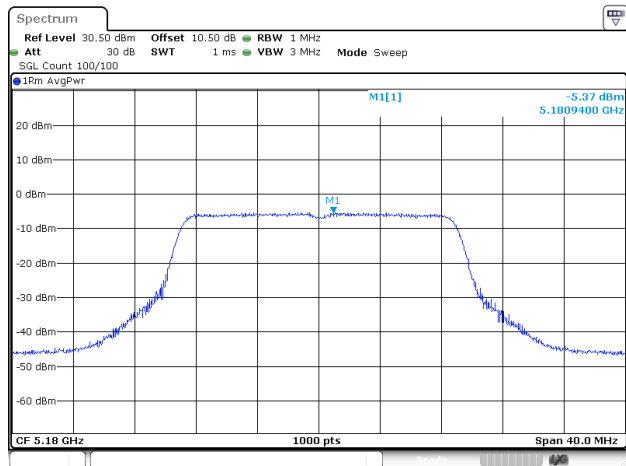
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802.11n20_5240MHz_ANT 1



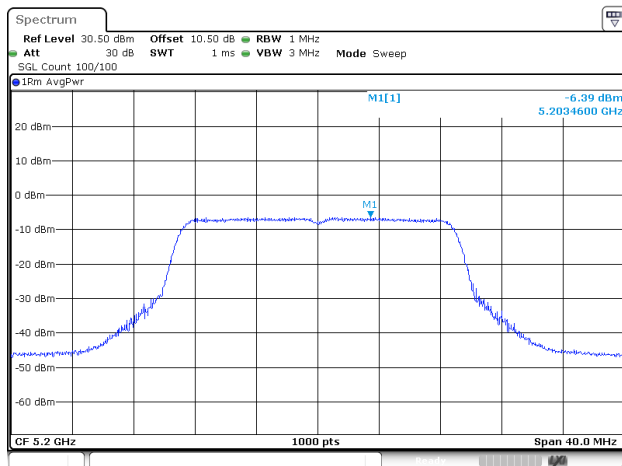
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802.11n20_5180MHz_ANT 2



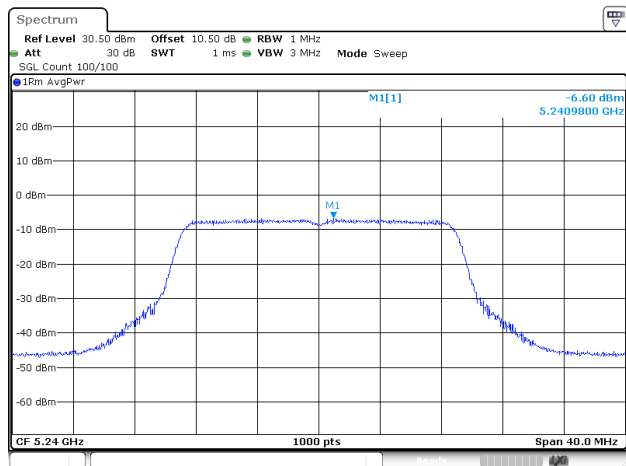
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802.11n20_5200MHz_ANT 2



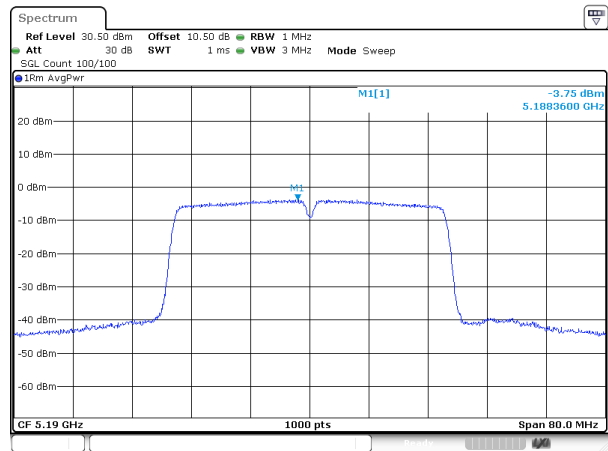
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802.11n20_5240MHz_ANT 2



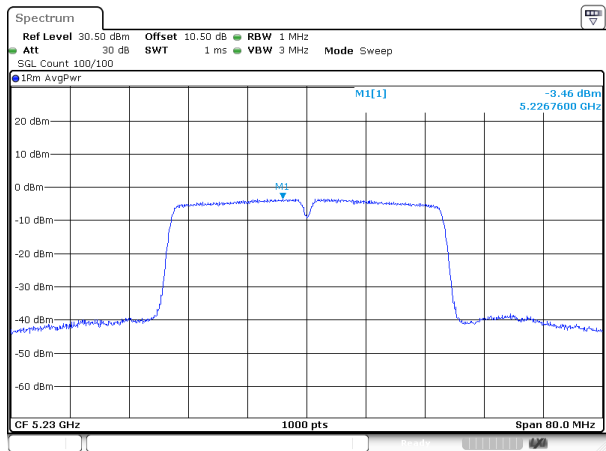
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802.11n40_5190MHz_ANT 1



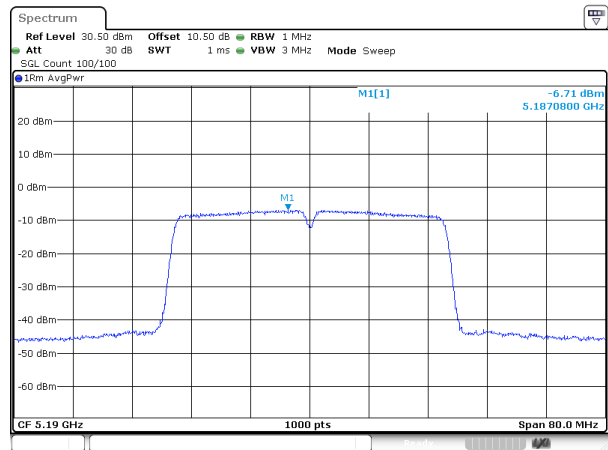
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802.11n40_5230MHz_ANT 1



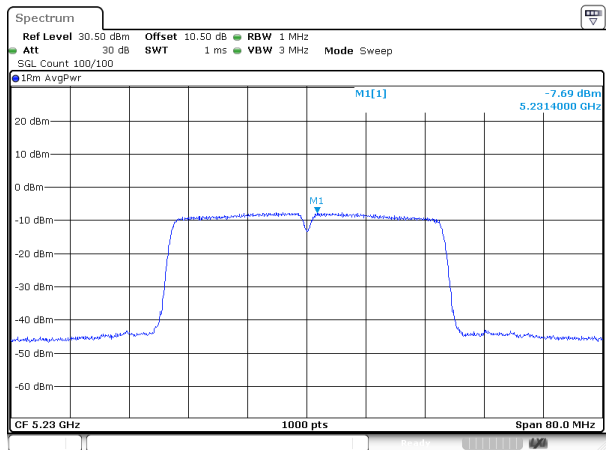
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802.11n40_5190MHz_ANT 2



ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 14:44:12

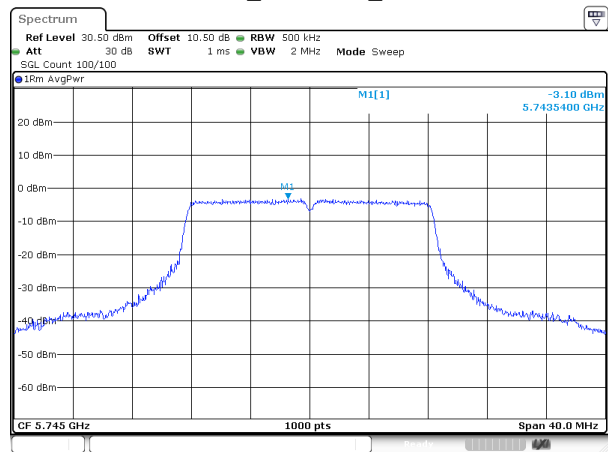
802.11n40_5230MHz_ANT 2



ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 14:27:44

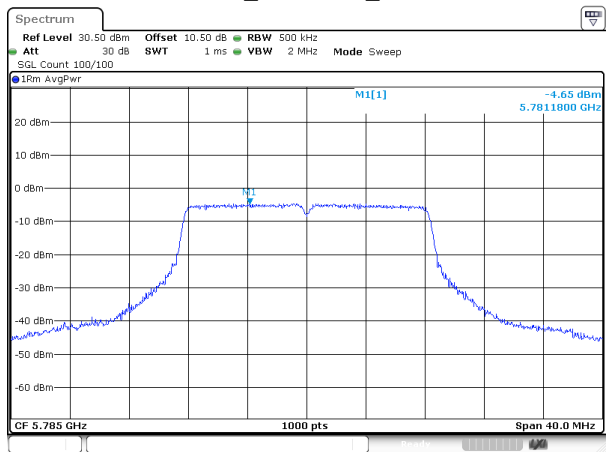
5725-5850MHz

802.11a_5745MHz_ANT 1



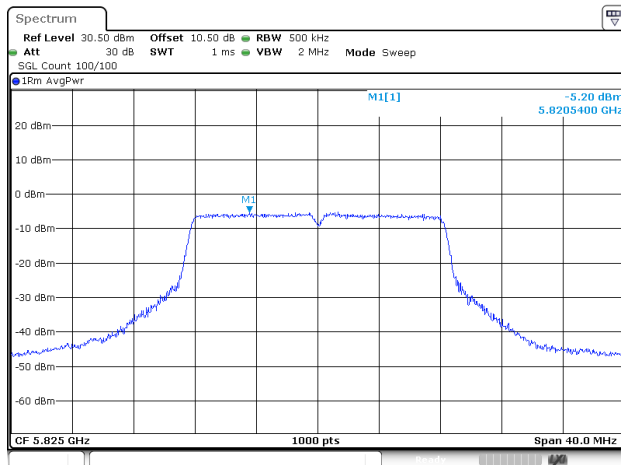
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Date: 9.AUG.2025 12:10:57

802.11a_5785MHz_ANT 1



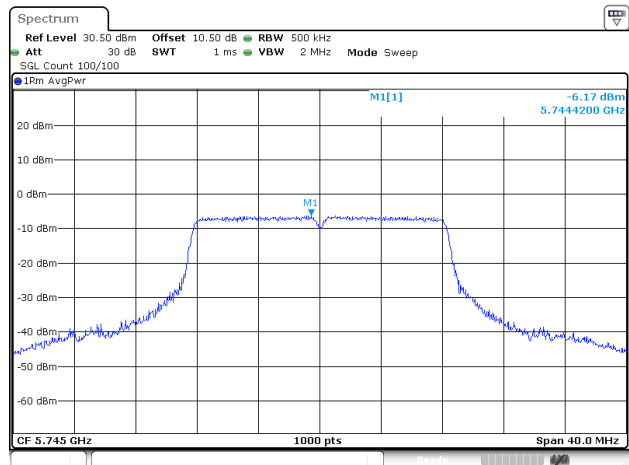
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Date: 9.AUG.2025 13:16:12

802.11a_5825MHz_ANT 1



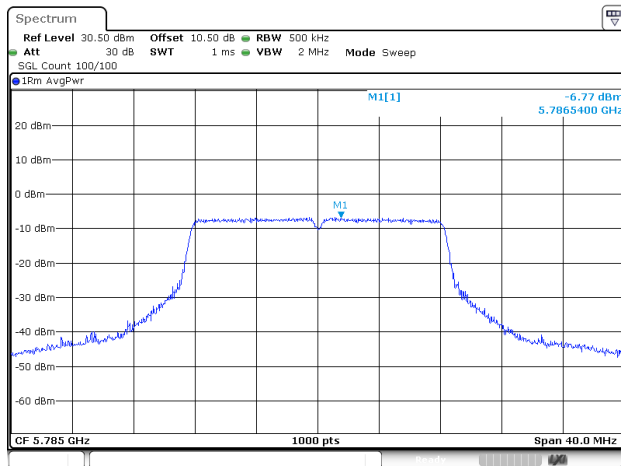
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802.11a_5745MHz_ANT 2



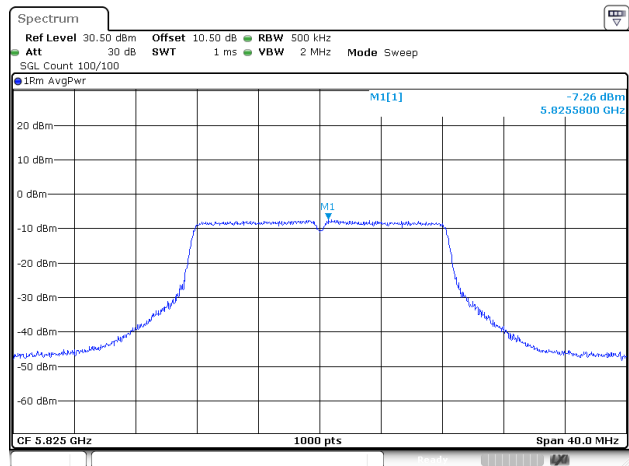
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802.11a_5785MHz_ANT 2



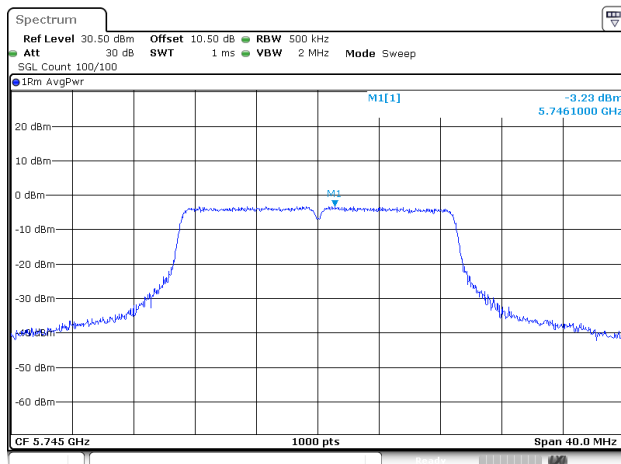
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802.11a_5825MHz_ANT 2



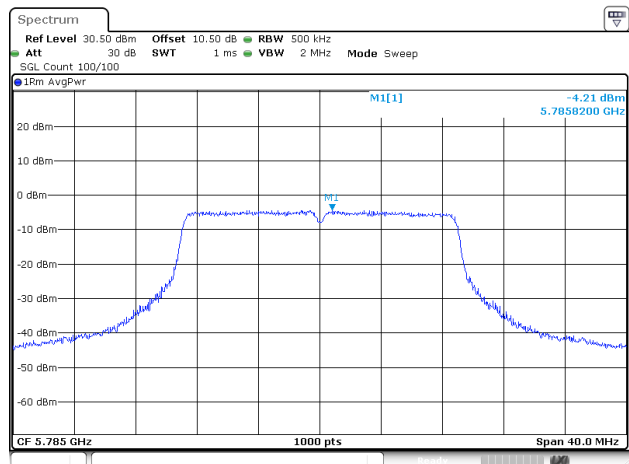
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802.11n20_5745MHz_ANT 1



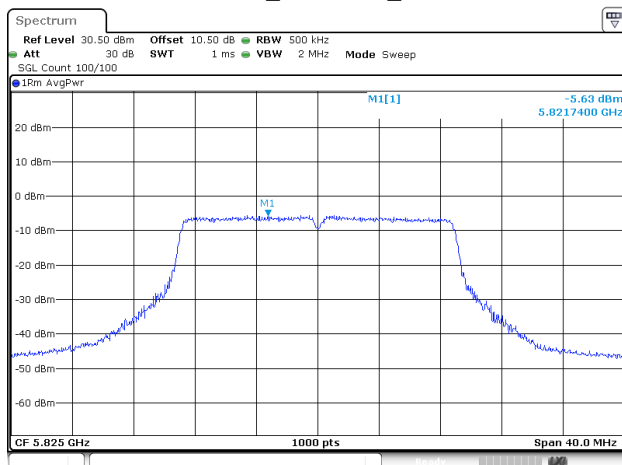
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802.11n20_5785MHz_ANT 1



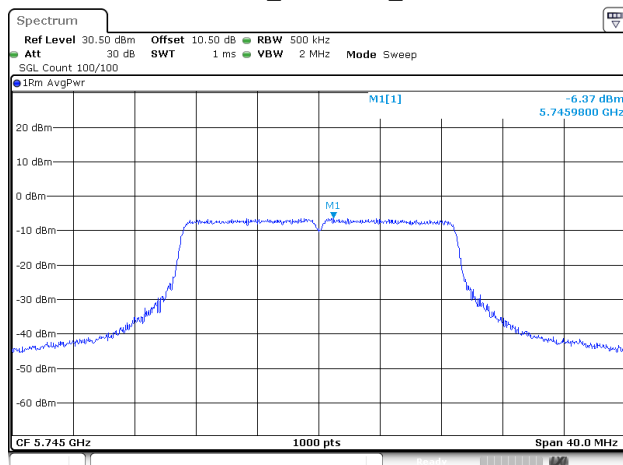
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802.11n20_5825MHz_ANT 1



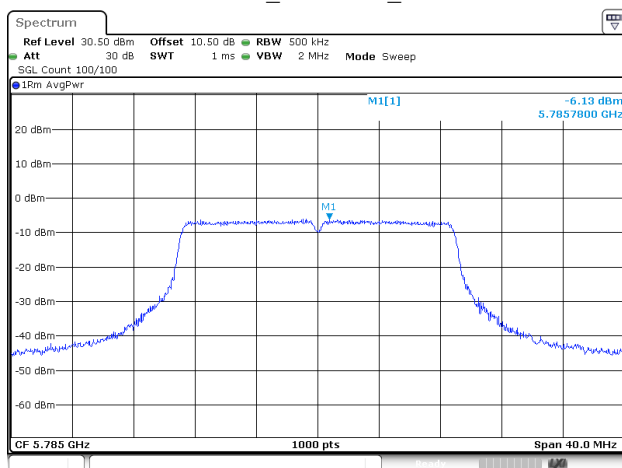
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Date: 9.AUG.2025 13:38:03

802.11n20_5745MHz_ANT 2



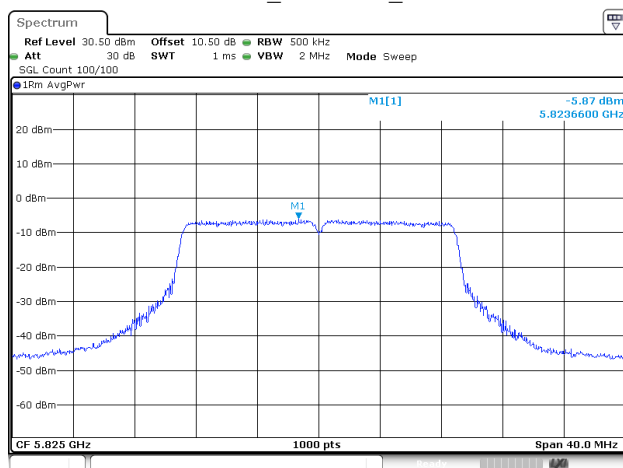
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Date: 9.AUG.2025 15:49:42

802.11n20_5785MHz_ANT 2



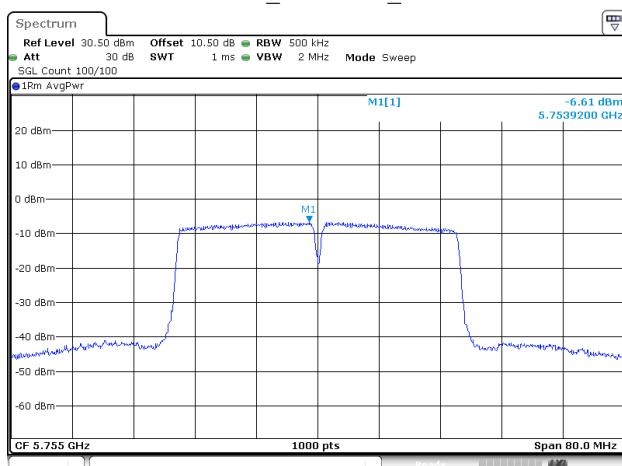
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Date: 9.AUG.2025 15:16:46

802.11n20_5825MHz_ANT 2



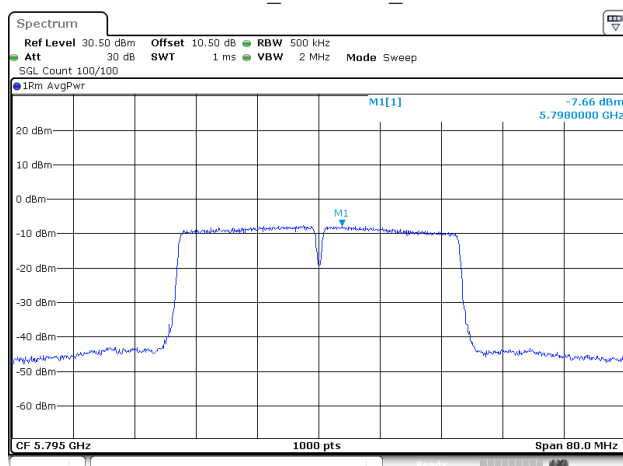
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Date: 9.AUG.2025 15:50:40

802.11n40_5755MHz_ANT 1



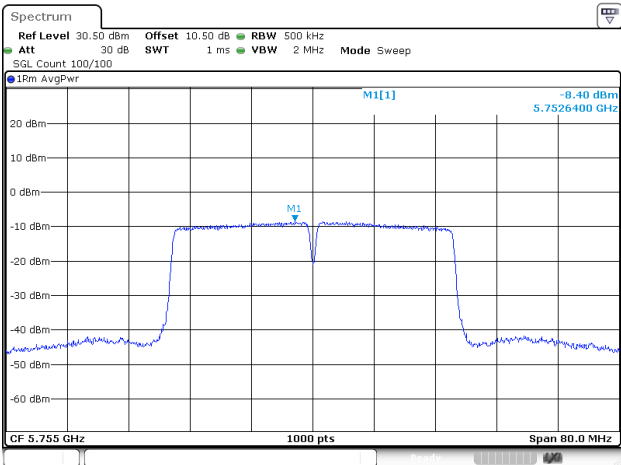
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Date: 9.AUG.2025 13:47:45

802.11n40_5795MHz_ANT 1



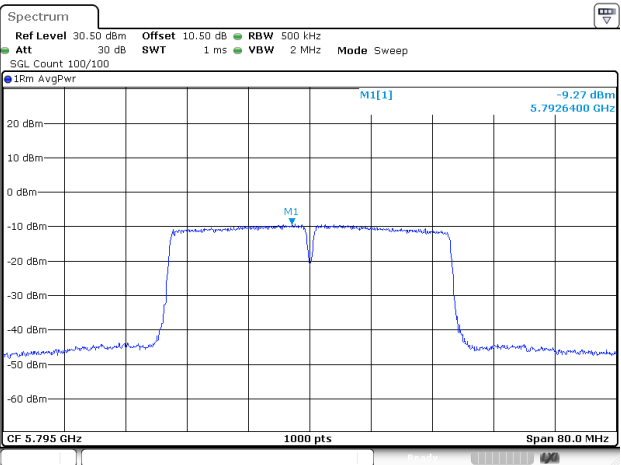
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 13:40:22

802.11n40_5755MHz_ANT 2



ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 15:22:04

802.11n40_5795MHz_ANT 2



ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 15:23:13

Duty Cycle**Test Information:**

Sample No.:	37PS-2	Test Date:	2025/08/09
Test Site:	RF	Test Mode:	Transmitting
Tester:	Rainbow Zhu	Test Result:	Pass

Environmental Conditions:

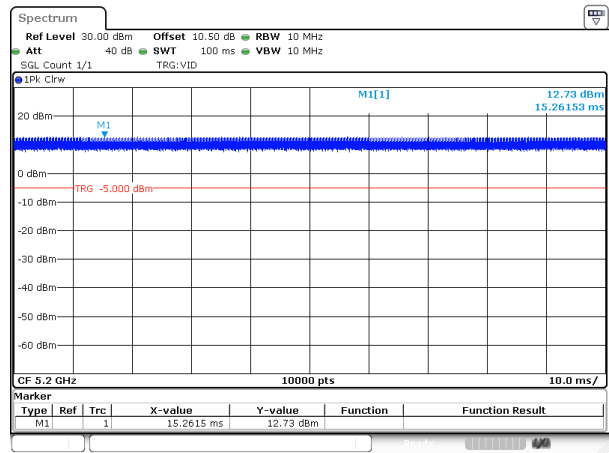
Temperature: (°C)	26.2	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.0
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Test Data:

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	100	100	100	NA	NA	0.010
802.11n20	5200	100	100	100	NA	NA	0.010
802.11n40	5190	100	100	100	NA	NA	0.010

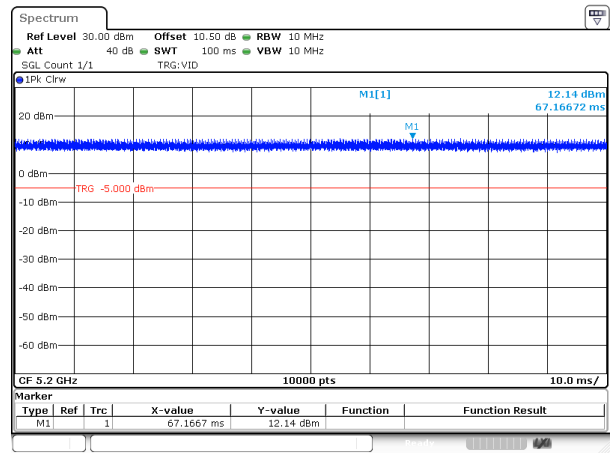
$$\text{Duty Cycle} = \text{Ton}/(\text{Ton}+\text{Toff})\times 100\%$$

802.11a_5200MHz



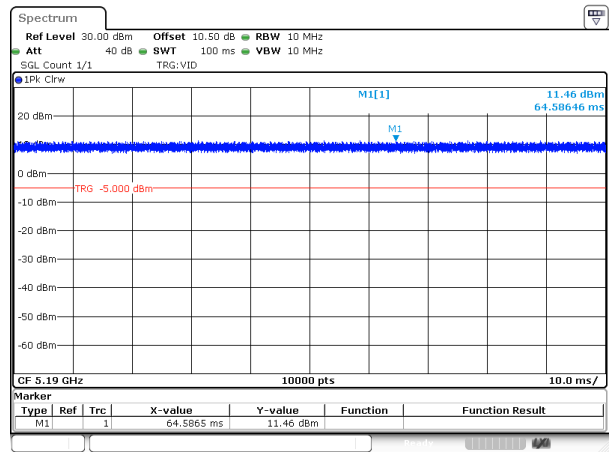
ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 10:02:59

802.11n20_5200MHz



ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 10:03:22

802.11n40_5190MHz



ProjectNo.:2501R72164E-RF Tester:Rainbow Zhu
Date: 9.AUG.2025 10:04:19

RF EXPOSURE EVALUATION

MPE-Based Exemption

Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

According to KDB 447498 D04 v01 Interim General RF Exposure Guidance

MPE-Based Exemption:

General frequency and separation-distance dependent MPE-based effective radiated power(ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(3)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2 f$.
1,500-100,000	$19.2 R^2$.

R is the minimum separation distance in meters

f = frequency in MHz

For multiple RF sources: Multiple RF sources are exempt if:

in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation:

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$$

Result

Mode	Frequency (MHz)	Tune up conducted power [#] (dBm)	Antenna Gain [#]		ERP		Evaluation Distance (m)	ERP Limit (mW)
			(dBi)	(dBd)	(dBm)	(mW)		
BLE Radio1	2402-2480	0.5	3.99	1.84	2.34	1.71	0.2	768
BLE Radio2	2402-2480	9.0	4.06	1.91	10.91	12.33	0.2	768
2.4G Wi-Fi	2412-2472	19.0	4.06	1.91	20.91	123.31	0.2	768
5.2G Wi-Fi	5150-5250	11.0	2.63	0.48	11.48	14.06	0.2	768
5.8G Wi-Fi	5725-5850	11.5	2.50	0.35	11.85	15.31	0.2	768

Note: 1. The tune up conducted power and antenna gain was declared by the applicant.
 2. 0dBd=2.15dBi
 3. The BLE Radio1, BLE Radio2/2.4G and 5G Wi-Fi can transmit at same time.

Simultaneous transmitting consideration (worst case):

The ratio= $ERP_{BLE\ Radio1} / limit + ERP_{2.4G\ Wi-Fi} / limit + ERP_{5.8G\ Wi-Fi} / limit = 1.71/768 + 123.31/768 + 15.31/768 = 0.183 < 1.0$

So simultaneous exposure is compliant.

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliant

EUT PHOTOGRAPHS

Please refer to the attachment 2501R72164E-RF External photo and 2501R72164E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2501R72164E-RF-00B Test Setup photo.

***** **END OF REPORT** *****