

99% Occupied Bandwidth**5150-5250MHz**

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	17.300
	5200	17.450
	5240	17.700
802.11n20	5180	18.450
	5200	18.550
	5240	18.850
802.11n40	5190	36.900
	5230	36.900

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	16.950
	5280	17.100
	5320	17.100
802.11n20	5260	18.200
	5280	18.250
	5320	18.400
802.11n40	5270	36.900
	5310	37

5470-5725MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5500	16.950
	5580	16.950
	5700	17
	5720	16.950
802.11n20	5500	18.100
	5580	18.150
	5700	18.200

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11n20	5720	18.150
802.11n40	5510	36.900
	5550	37.100
	5670	37.200
	5710	37.200

5725-5850MHz

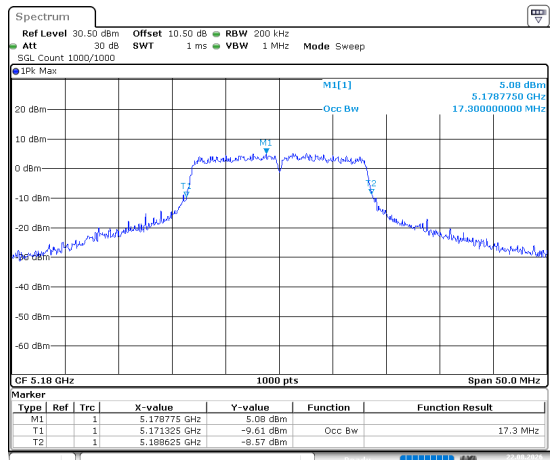
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	17.200
	5785	17.150
	5825	17
802.11n20	5745	18.500
	5785	18.350
	5825	18.200
802.11n40	5755	37.300
	5795	37.500

Note:

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

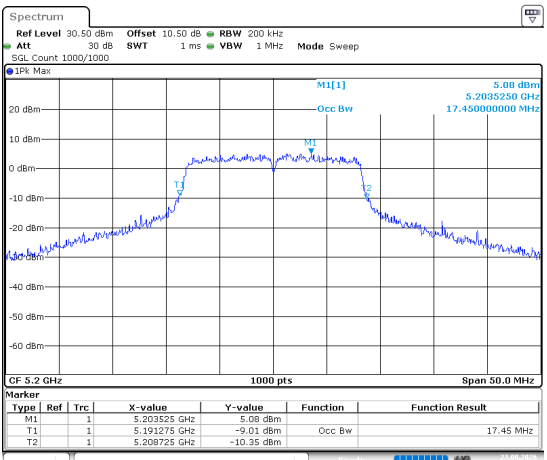
5150-5250MHz

802.11a_5180MHz



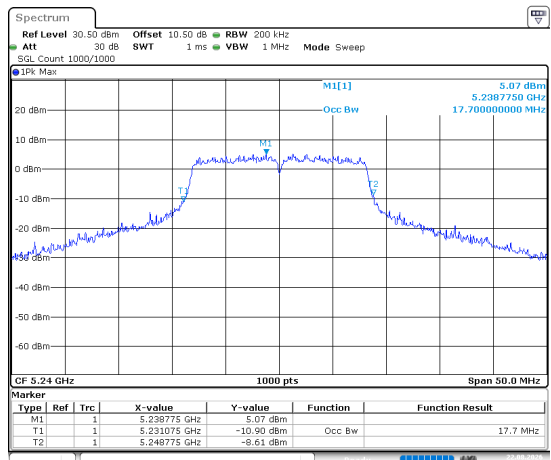
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802.11a_5200MHz



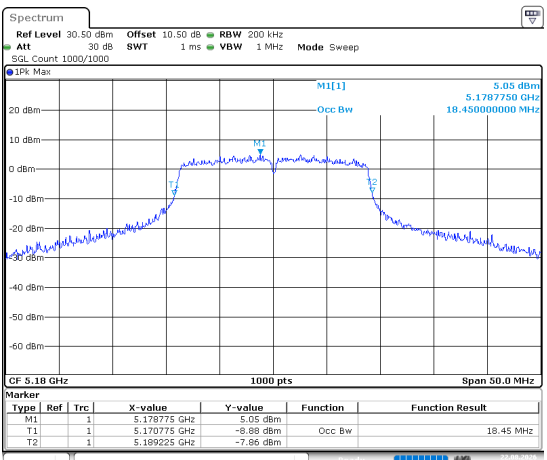
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802.11a_5240MHz



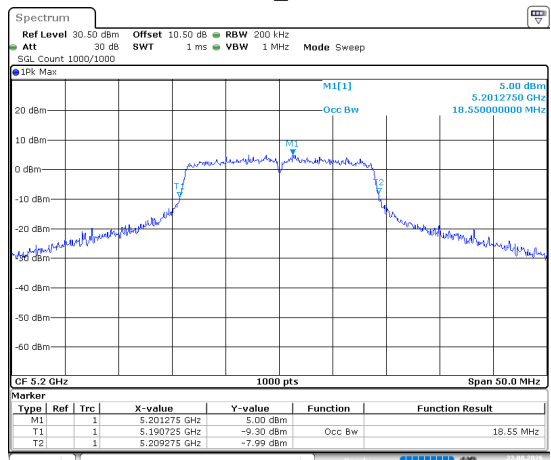
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802.11n20_5180MHz



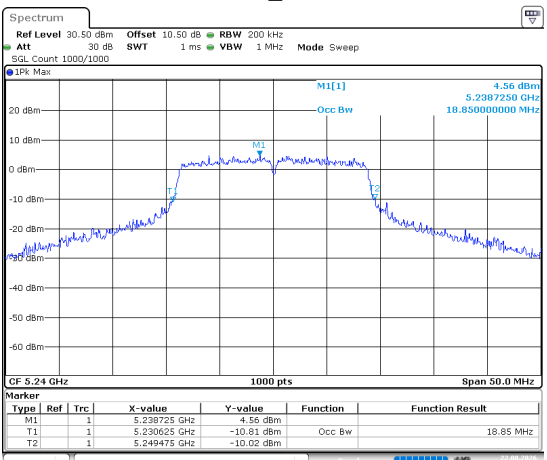
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802.11n20_5200MHz



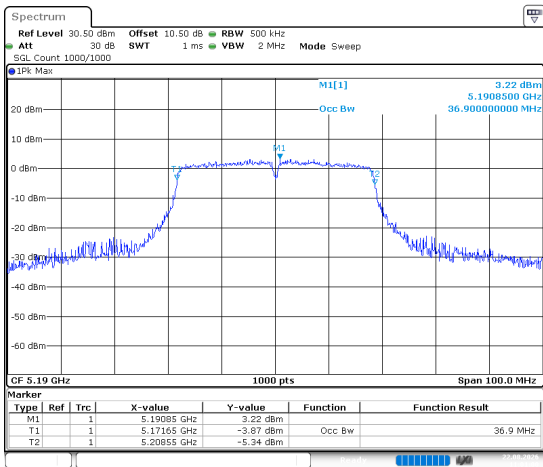
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802.11n20_5240MHz

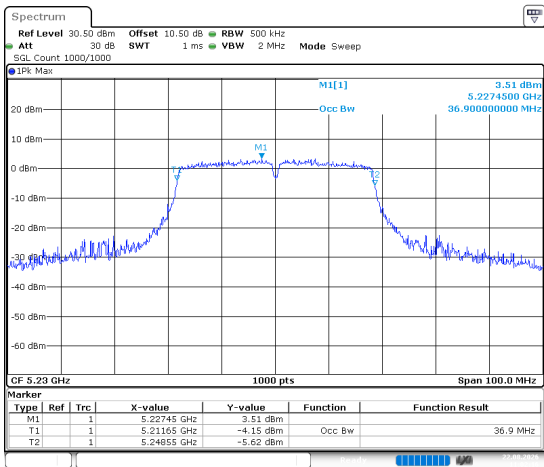


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802.11n40_5190MHz

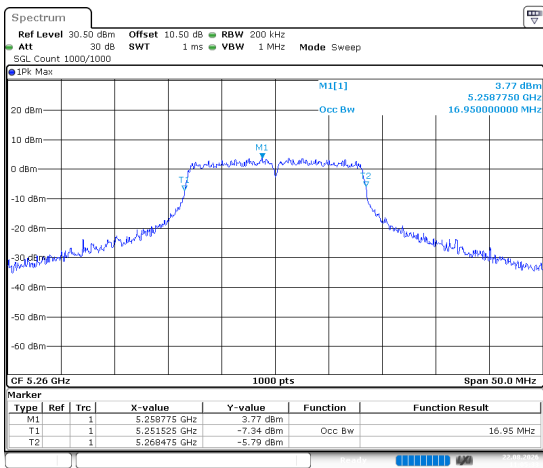


802.11n40_5230MHz

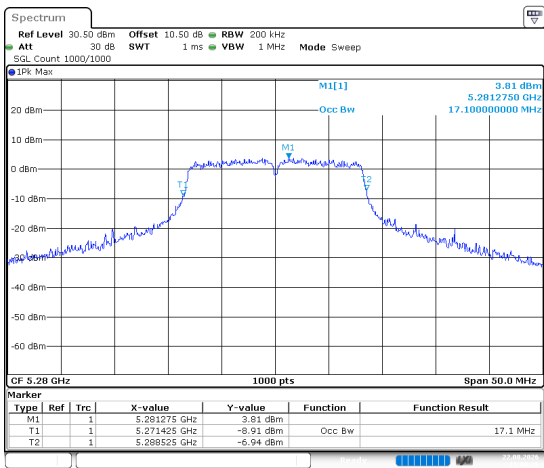


5250-5350MHz

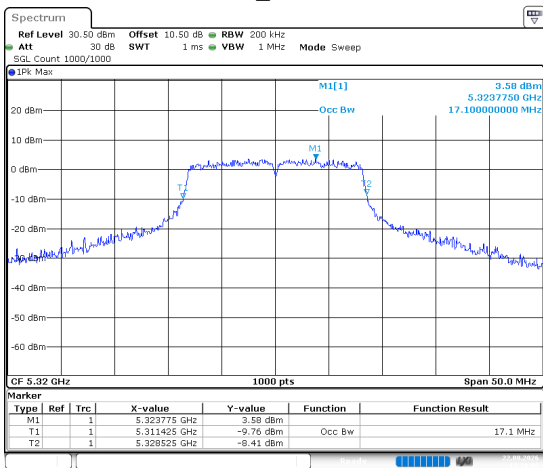
802.11a_5260MHz



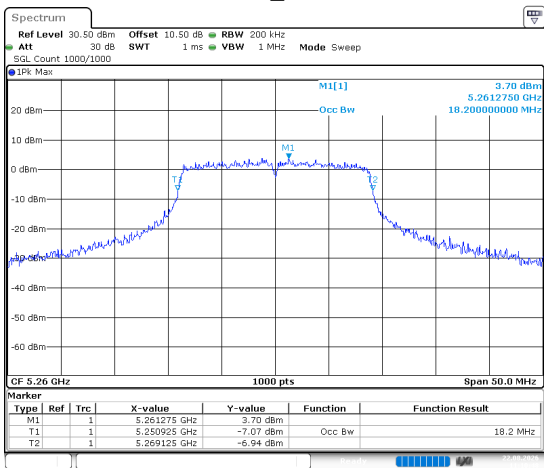
802.11a_5280MHz



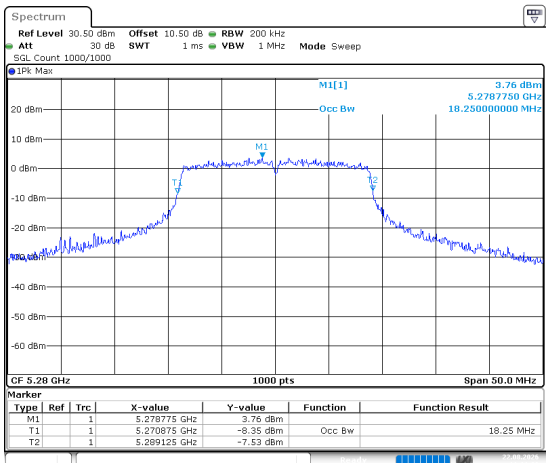
802.11a_5320MHz



802.11n20_5260MHz

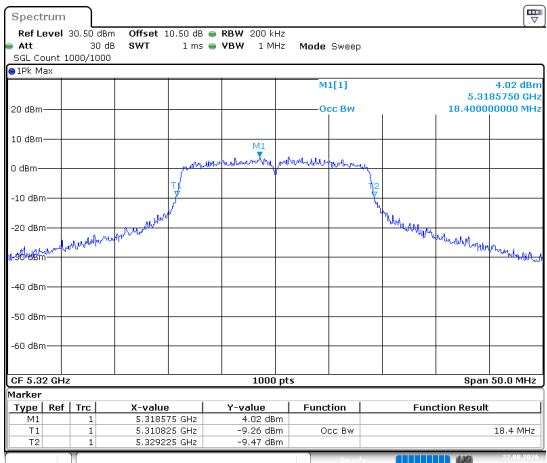


802.11n20_5280MHz



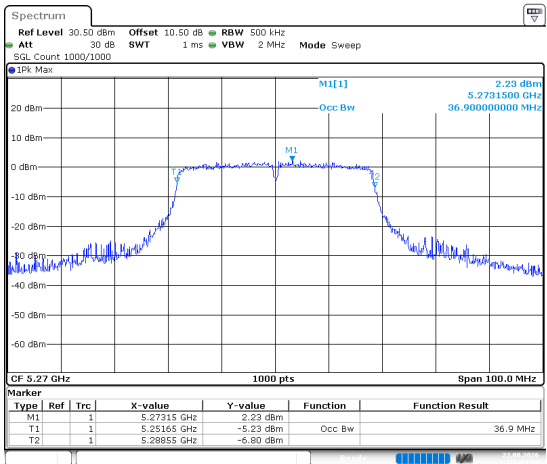
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802.11n20_5320MHz



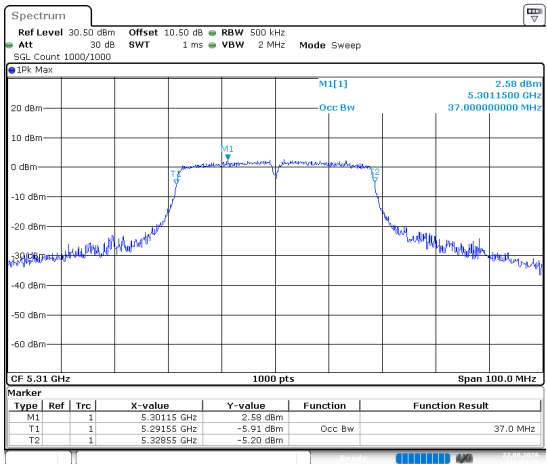
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802.11n40_5270MHz



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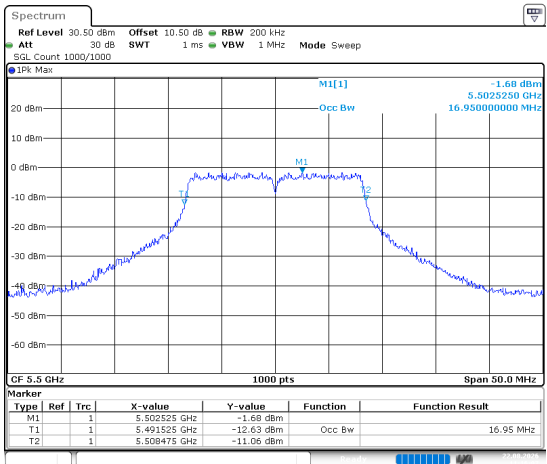
802.11n40_5310MHz



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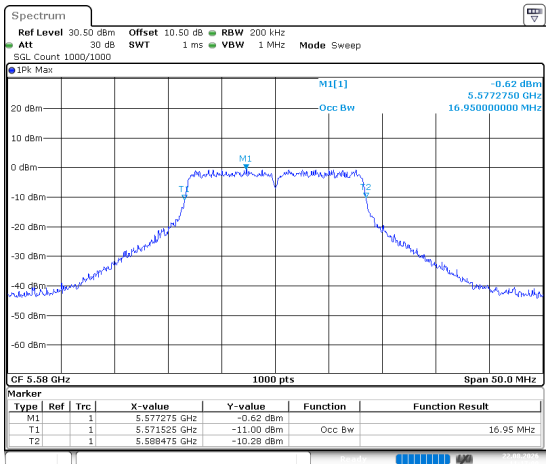
5470-5725MHz

802.11a_5500MHz



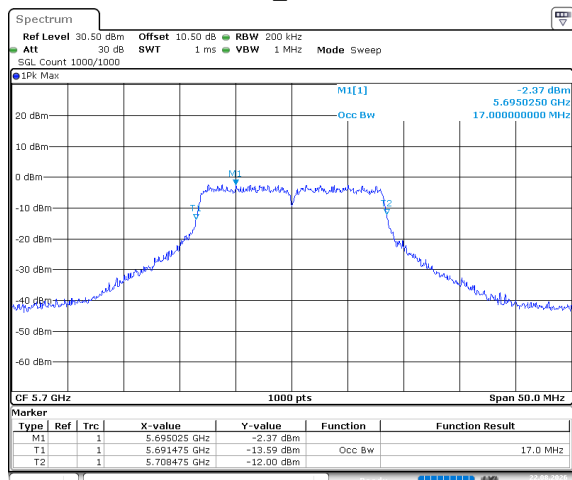
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802.11a_5580MHz



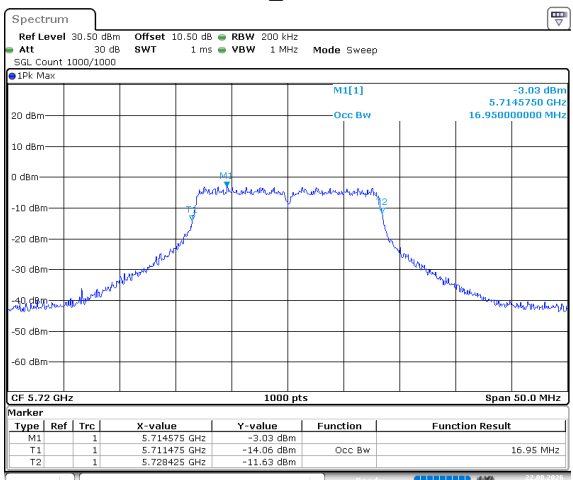
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802.11a_5700MHz



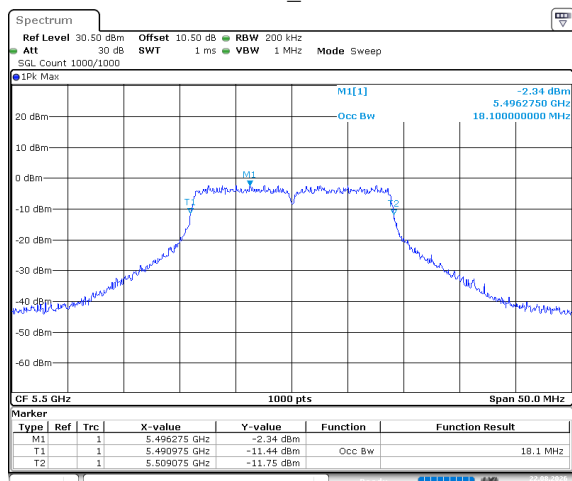
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802.11a_5720MHz



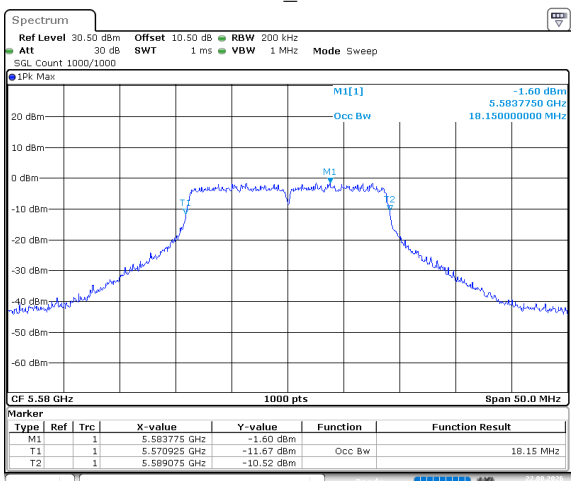
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802.11n20_5500MHz



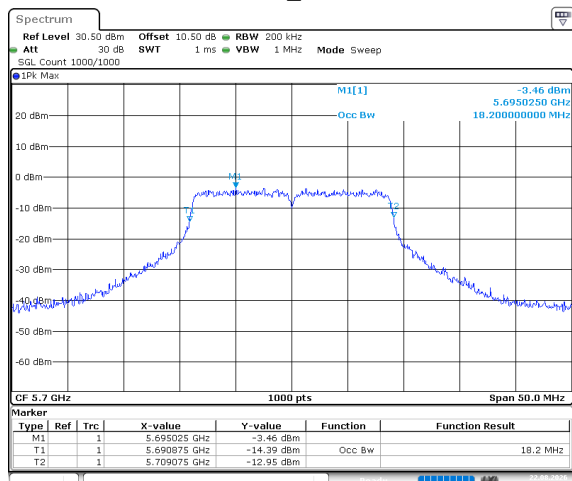
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802.11n20_5580MHz



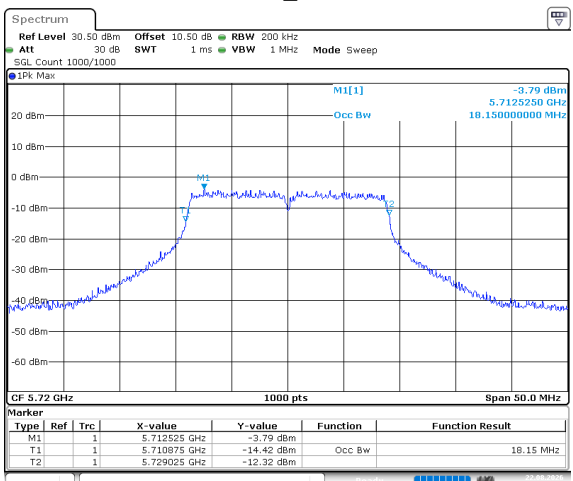
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802.11n20_5700MHz



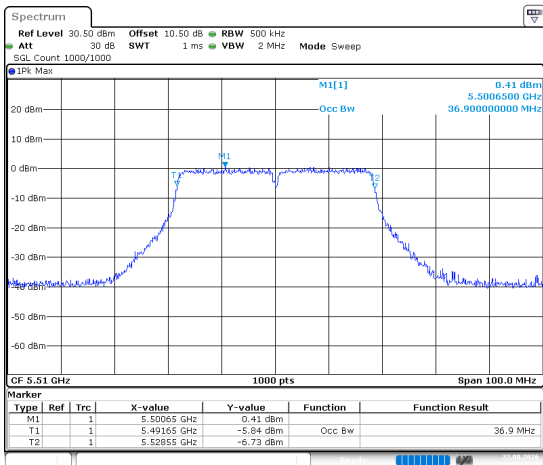
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802.11n20_5720MHz

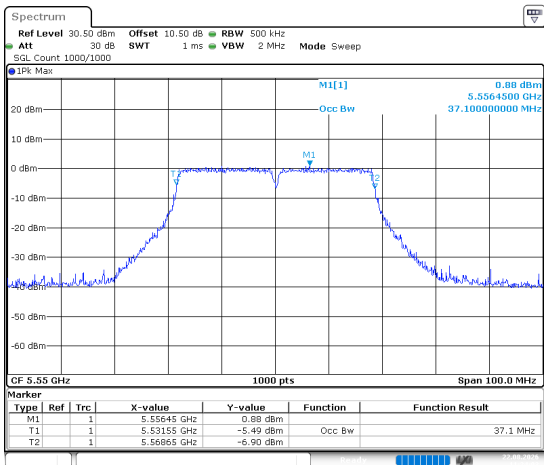


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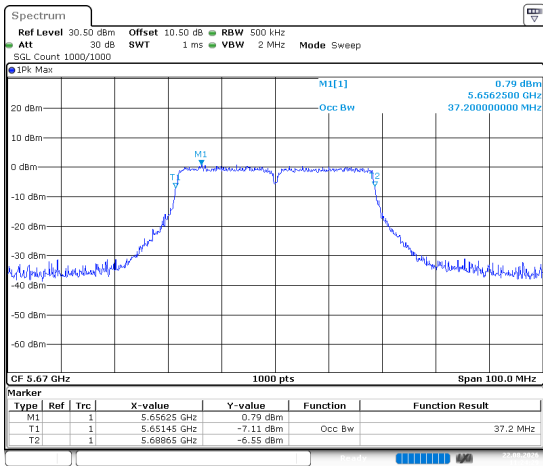
802.11n40_5510MHz



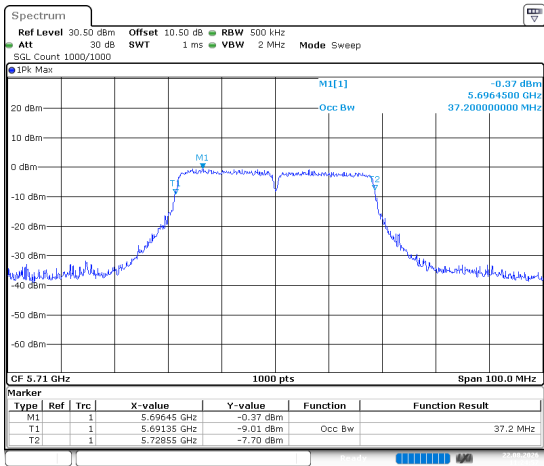
802.11n40_5550MHz



802.11n40_5670MHz

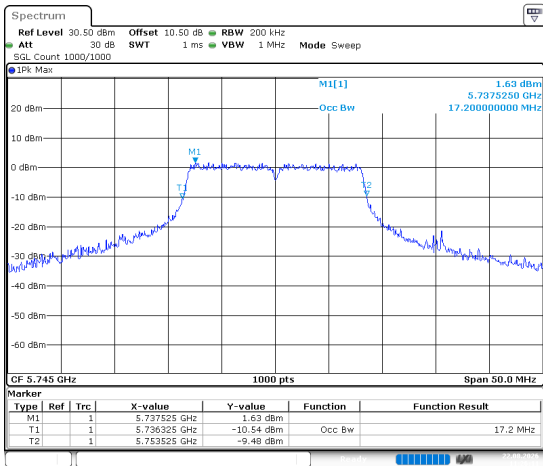


802.11n40_5710MHz

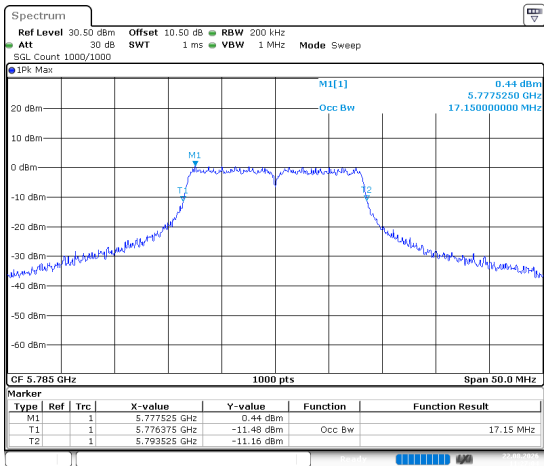


5725-5850MHz

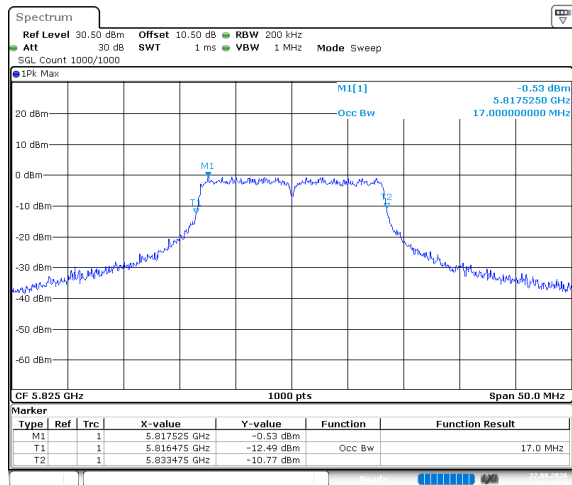
802.11a_5745MHz



802.11a_5785MHz

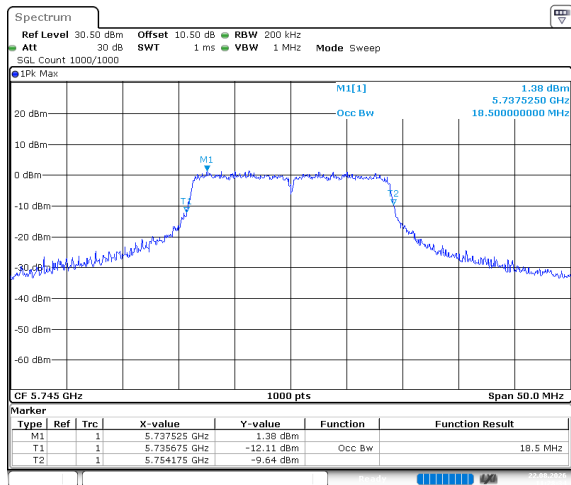


802.11a_5825MHz



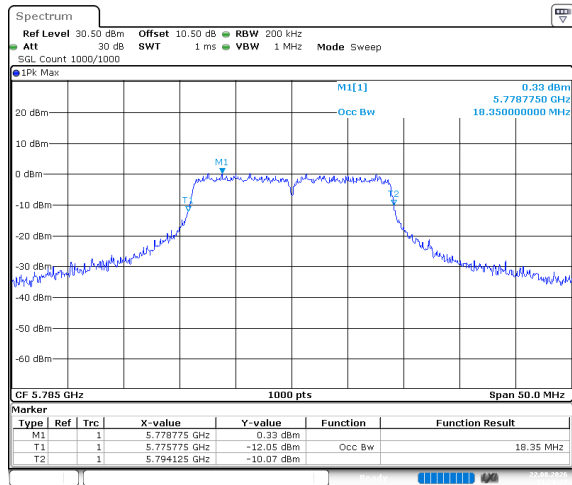
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802.11n20_5745MHz



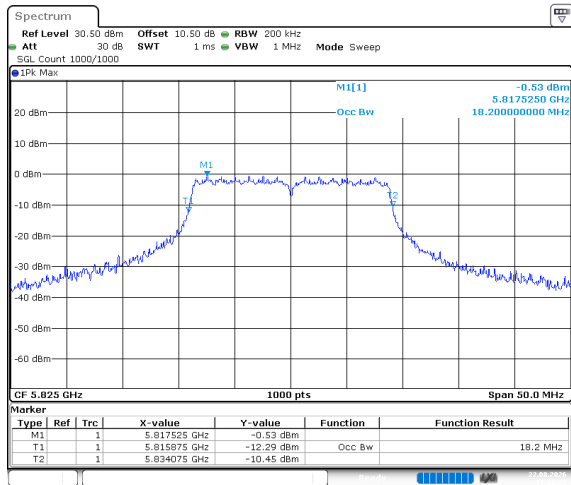
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802.11n20_5785MHz



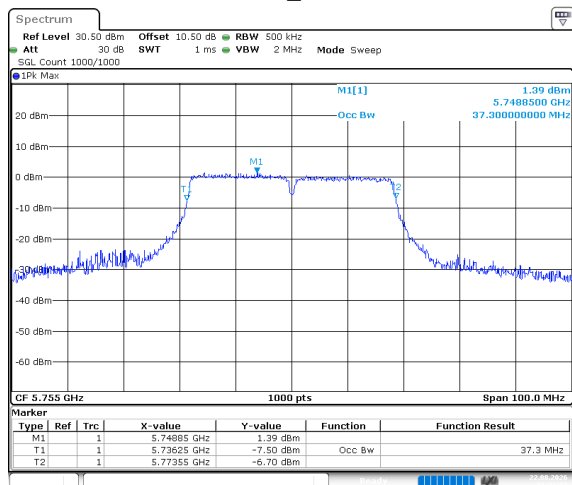
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802.11n20_5825MHz



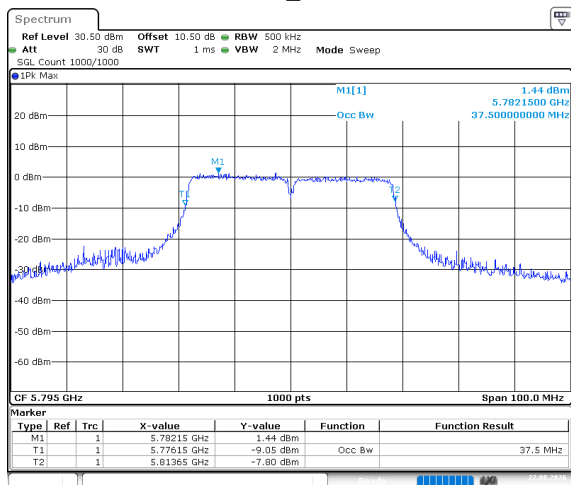
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802.11n40_5755MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 11:31:07

802.11n40_5795MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 11:31:44

Maximum Conducted Output Power**5150-5250MHz**

Mode	Test Frequency (MHz)	Average Output Power(dBm)	FCC Limit (dBm)	Antenna Gain# (dBi)	IC EIRP(dBm)		Verdict
					Result	Limit	
802.11a	5180	14.93	23.98	0.3	15.23	22.38	Pass
	5200	15.14	23.98	0.3	15.44	22.42	Pass
	5240	15.18	23.98	0.3	15.48	22.48	Pass
802.11n20	5180	15.04	23.98	0.3	15.34	22.66	Pass
	5200	14.94	23.98	0.3	15.24	22.68	Pass
	5240	14.87	23.98	0.3	15.17	22.75	Pass
802.11n40	5190	12.53	23.98	0.3	12.83	23.01	Pass
	5230	12.44	23.98	0.3	12.74	23.01	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)			Antenna Gain# (dBi)	IC EIRP (dBm)		Verdict
		Result	FCC Limit	IC Limit		Result	Limit	
802.11a	5260	13.92	23.98	23.29	0.82	14.74	29.29	Pass
	5300	14.14	23.98	23.33	0.82	14.96	29.33	Pass
	5320	14.27	23.98	23.33	0.82	15.09	29.33	Pass
802.11n20	5260	13.72	23.98	23.60	0.82	14.54	29.60	Pass
	5300	14.22	23.98	23.61	0.82	15.04	29.61	Pass
	5320	14.1	23.98	23.65	0.82	14.92	29.65	Pass
802.11n40	5270	11.93	23.98	23.98	0.82	12.75	30	Pass
	5310	11.96	23.98	23.98	0.82	12.78	30	Pass

5470-5725MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)			Antenna Gain# (dBi)	IC EIRP(dBm)		Verdict
		Result	FCC Limit	IC Limit		Result	Limit	
802.11a	5500	9.21	23.98	23.29	-0.5	8.71	29.29	Pass
	5580	10.43	23.98	23.29	-0.5	9.93	29.29	Pass
	5700	8.47	23.98	23.30	-0.5	7.97	29.30	Pass
	5720	6.38	23.98	23.29	-0.5	5.88	29.29	Pass
802.11n20	5500	8.37	23.98	23.58	-0.5	7.87	29.58	Pass
	5580	9.0	23.98	23.59	-0.5	8.5	29.59	Pass
	5700	7.08	23.98	23.60	-0.5	6.58	29.60	Pass
	5720	5.53	23.98	23.59	-0.5	5.03	29.59	Pass
802.11n40	5510	10.1	23.98	23.98	-0.5	9.6	30	Pass
	5550	10.62	23.98	23.98	-0.5	10.12	30	Pass
	5670	10.27	23.98	23.98	-0.5	9.77	30	Pass
	5710	8.65	23.98	23.98	-0.5	8.15	30	Pass

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5745	12.28	30	Pass
	5785	11.11	30	Pass
	5825	9.93	30	Pass
802.11n20	5745	11.97	30	Pass
	5785	10.78	30	Pass
	5825	9.76	30	Pass
802.11n40	5755	11.81	30	Pass
	5795	10.49	30	Pass

Note:**EIRP = Average Output Power + Antenna gain**

Power Spectral Density**5150-5250MHz**

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	FCC Limit (dBm/MHz)	IC EIRP PSD (dBm/MHz)		Verdict
						Result	Limit	
802.11a	5180	3.67	0.64	4.31	11	4.61	10	Pass
	5200	4.04	0.64	4.68	11	4.98	10	Pass
	5240	3.75	0.64	4.39	11	4.69	10	Pass
802.11n20	5180	4.02	0.15	4.17	11	4.47	10	Pass
	5200	3.97	0.15	4.12	11	4.42	10	Pass
	5240	3.77	0.15	3.92	11	4.22	10	Pass
802.11n40	5190	-1.70	0.15	-1.55	11	-1.25	10	Pass
	5230	-1.64	0.15	-1.49	11	-1.19	10	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5260	2.92	0.64	3.56	11	Pass
	5280	2.59	0.64	3.23	11	Pass
	5320	2.80	0.64	3.44	11	Pass
802.11n20	5260	2.91	0.15	3.06	11	Pass
	5280	3.01	0.15	3.16	11	Pass
	5320	2.73	0.15	2.88	11	Pass
802.11n40	5270	-2.25	0.15	-2.10	11	Pass
	5310	-2.17	0.15	-2.02	11	Pass

5470-5725MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5500	-2.54	0.64	-1.90	11	Pass
	5580	-1.52	0.64	-0.88	11	Pass
	5700	-2.90	0.64	-2.26	11	Pass
	5720	-3.68	0.64	-3.04	11	Pass
802.11n20	5500	-3.30	0.15	-3.15	11	Pass
	5580	-2.58	0.15	-2.43	11	Pass
	5700	-4.26	0.15	-4.11	11	Pass
	5720	-4.96	0.15	-4.81	11	Pass
802.11n40	5510	-4.46	0.15	-4.31	11	Pass
	5550	-4.15	0.15	-4.00	11	Pass
	5670	-4.21	0.15	-4.06	11	Pass
	5710	-5.34	0.15	-5.19	11	Pass

5725-5850MHz

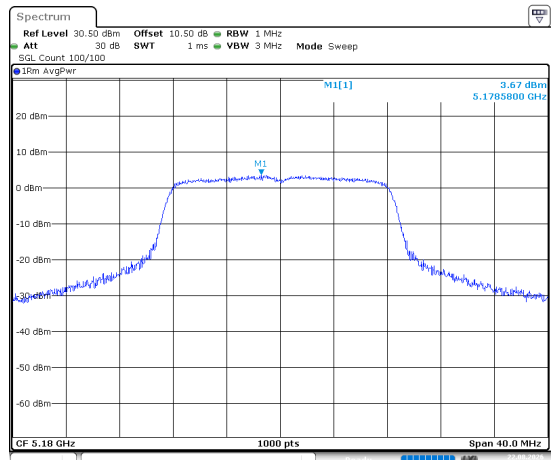
Mode	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor(dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11a	5745	-4.63	0.64	-3.99	30	Pass
	5785	-5.81	0.64	-5.17	30	Pass
	5825	-6.87	0.64	-6.23	30	Pass
802.11n20	5745	-4.04	0.15	-3.89	30	Pass
	5785	-5.78	0.15	-5.63	30	Pass
	5825	-6.31	0.15	-6.16	30	Pass
802.11n40	5755	-7.42	0.15	-7.27	30	Pass
	5795	-8.56	0.15	-8.41	30	Pass

Note:

Result = Reading + Duty Cycle Factor

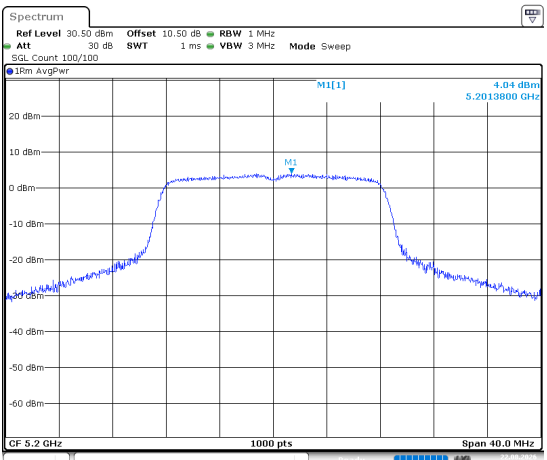
5150-5250MHz

802.11a_5180MHz



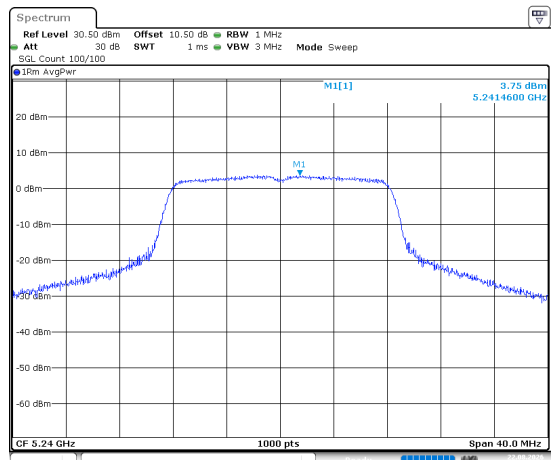
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802.11a_5200MHz



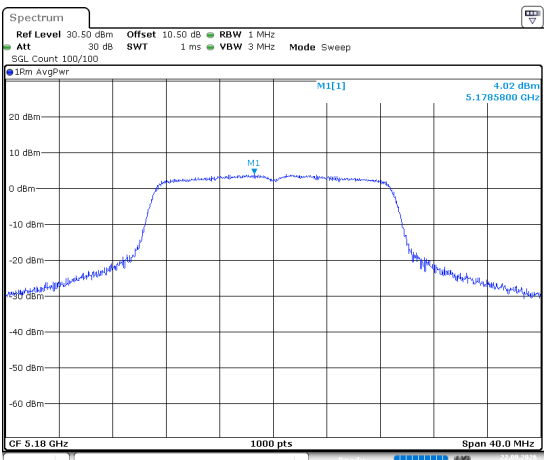
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802.11a_5240MHz



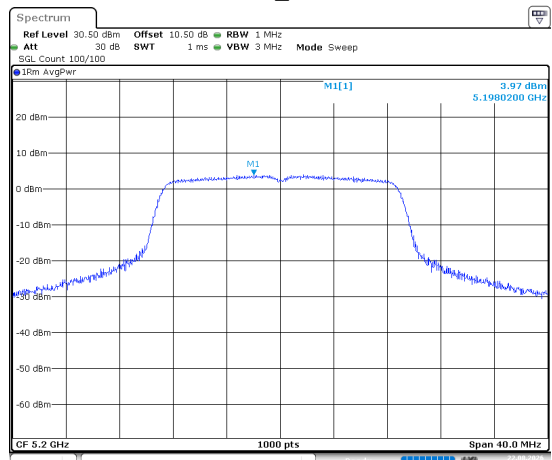
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802.11n20_5180MHz



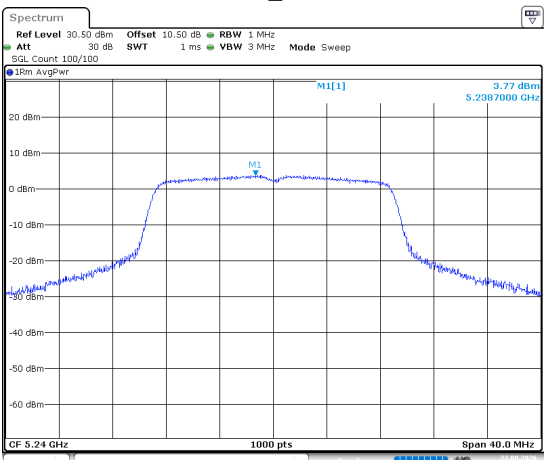
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802.11n20_5200MHz



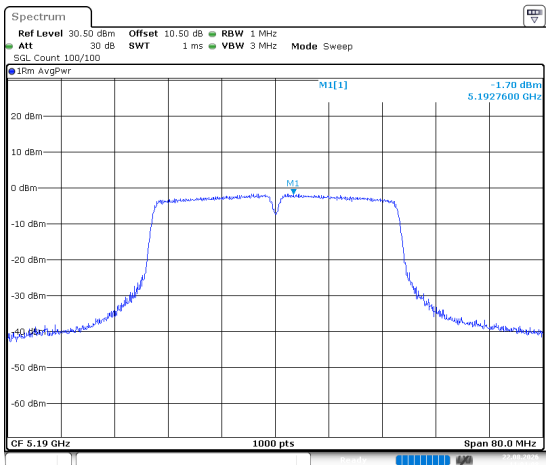
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802.11n20_5240MHz



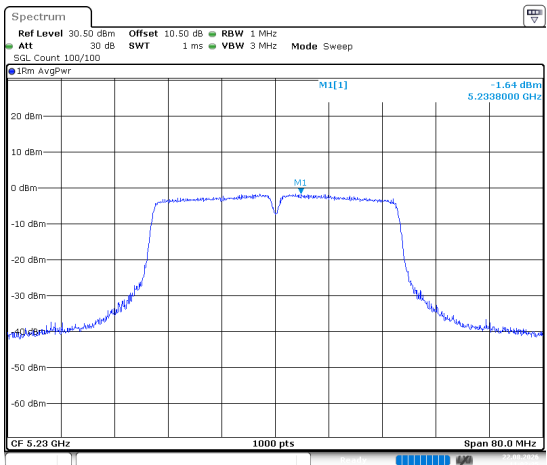
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802.11n40_5190MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 11:01:08

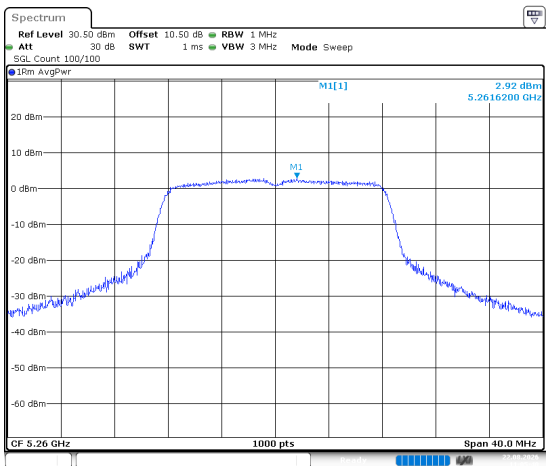
802.11n40_5230MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 11:02:26

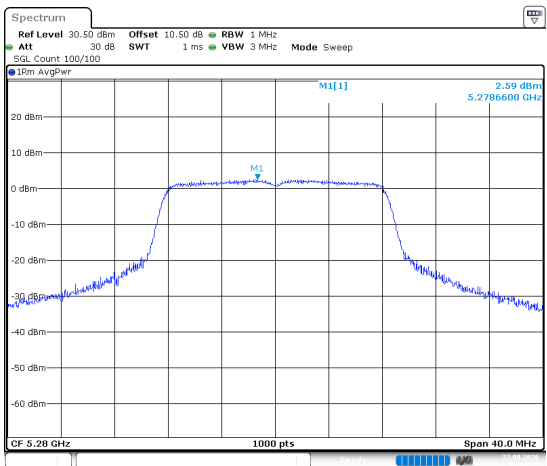
5250-5350MHz

802.11a_5260MHz



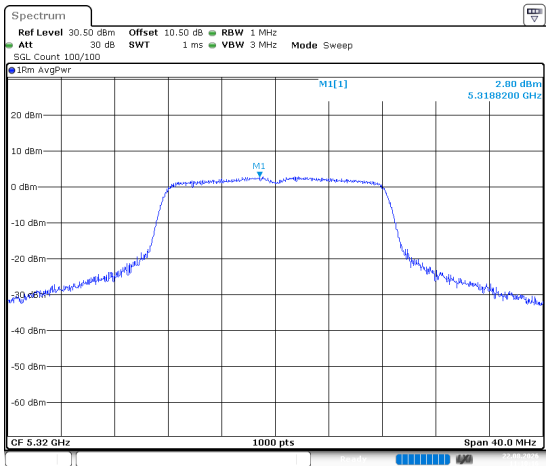
ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 11:05:40

802.11a_5280MHz



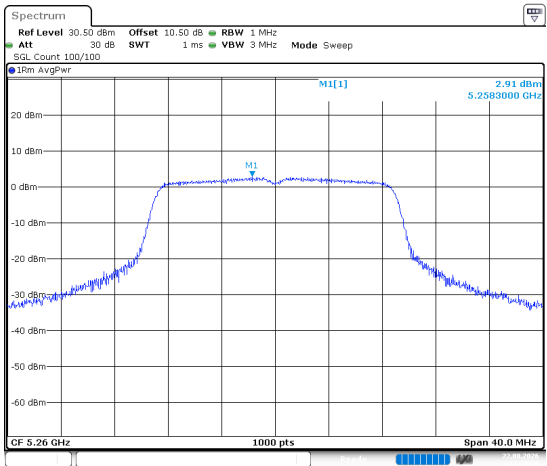
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Date: 22.AUG.2026 11:09:34

802.11a_5320MHz



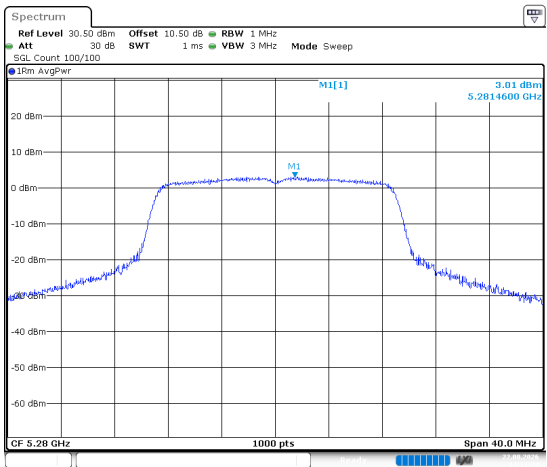
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Date: 22.AUG.2026 11:10:16

802.11n20_5260MHz



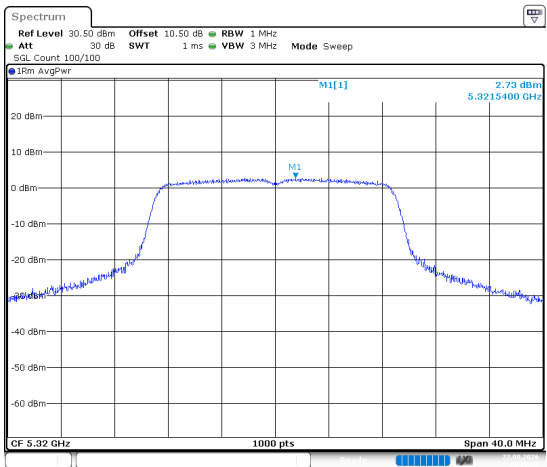
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Date: 22.AUG.2026 11:10:56

802.11n20_5280MHz



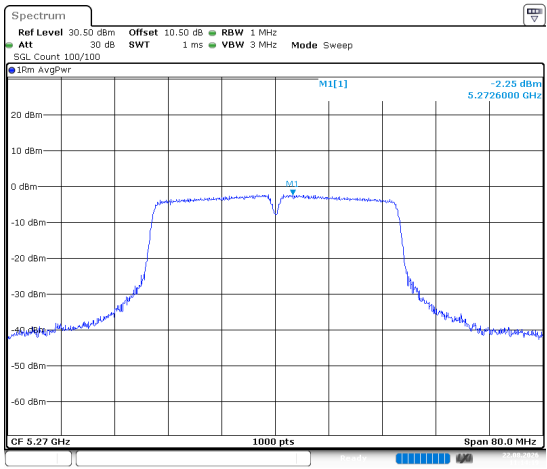
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Date: 22.AUG.2026 11:11:44

802.11n20_5320MHz



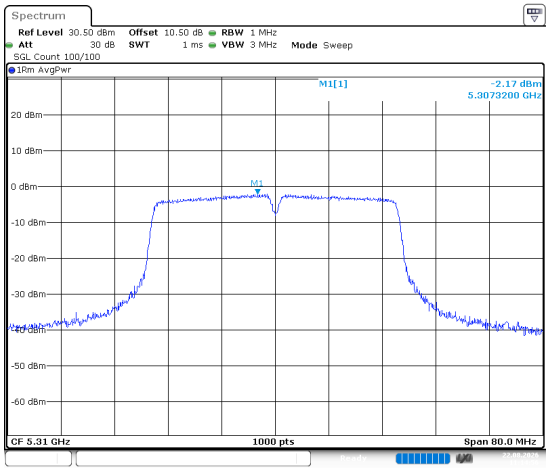
ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 11:13:43

802.11n40_5270MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 11:14:19

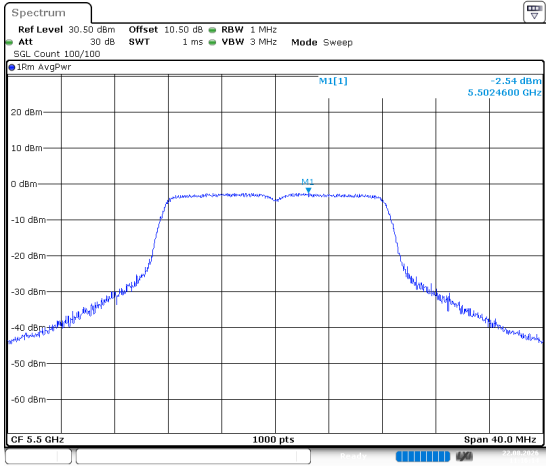
802.11n40_5310MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 11:14:56

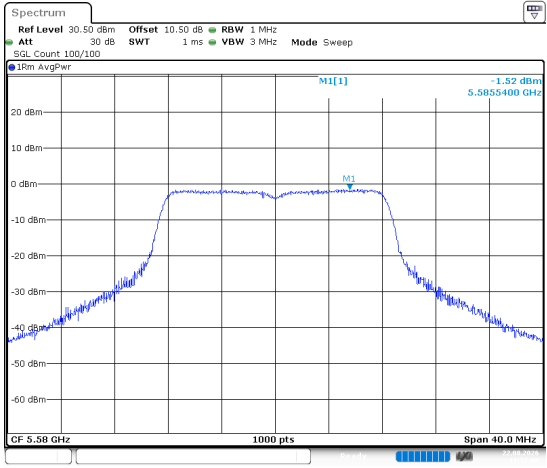
5470-5725MHz

802.11a_5500MHz



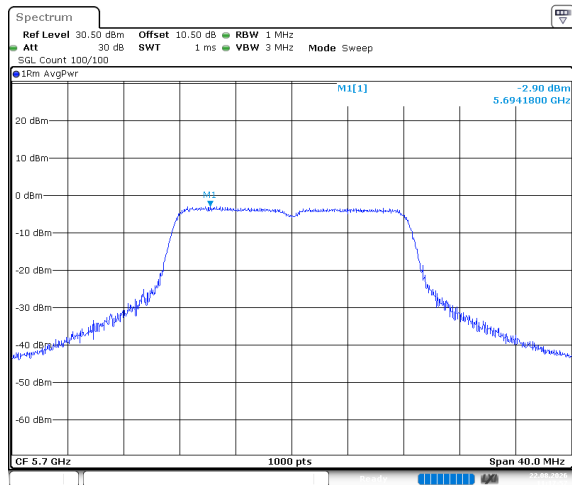
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802.11a_5580MHz



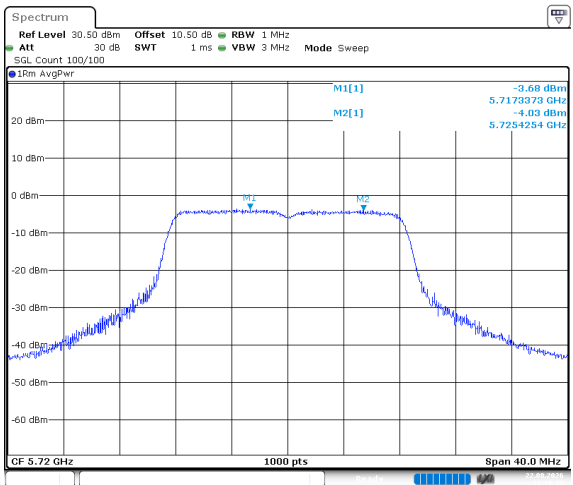
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Date: 22.AUG.2026 11:17:08

802.11a_5700MHz



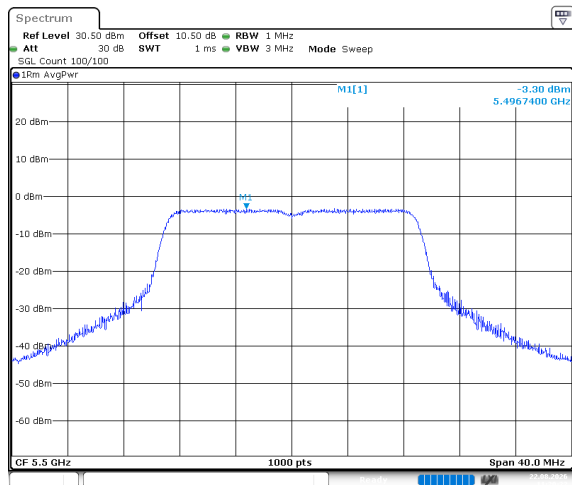
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Date: 22.AUG.2026 11:17:57

802.11a_5720MHz



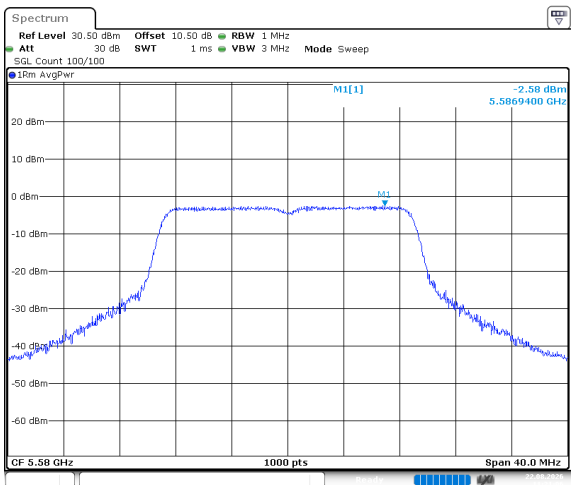
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Date: 22.AUG.2026 11:19:16

802.11n20_5500MHz



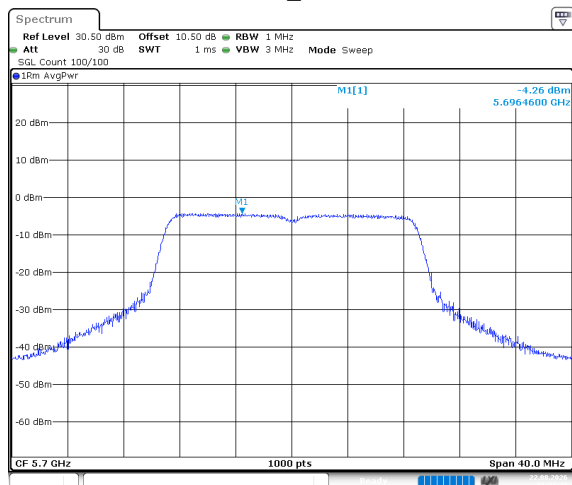
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Date: 22.AUG.2026 11:20:22

802.11n20_5580MHz



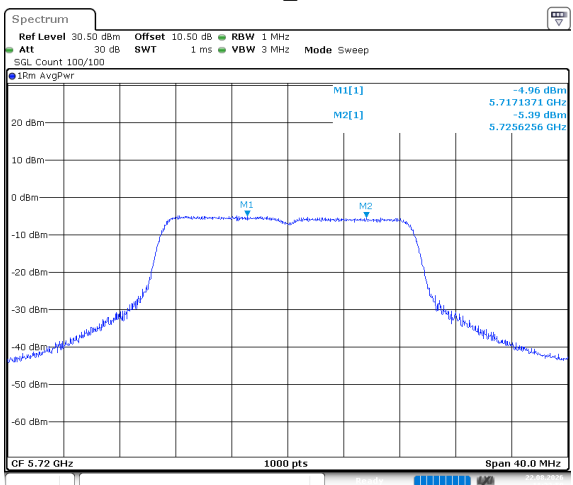
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Date: 22.AUG.2026 11:21:06

802.11n20_5700MHz



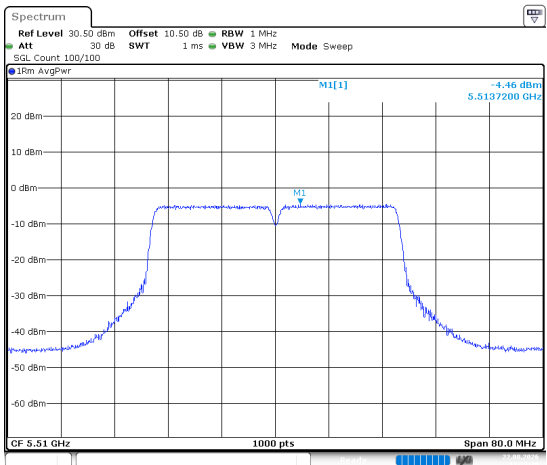
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802.11n20_5720MHz



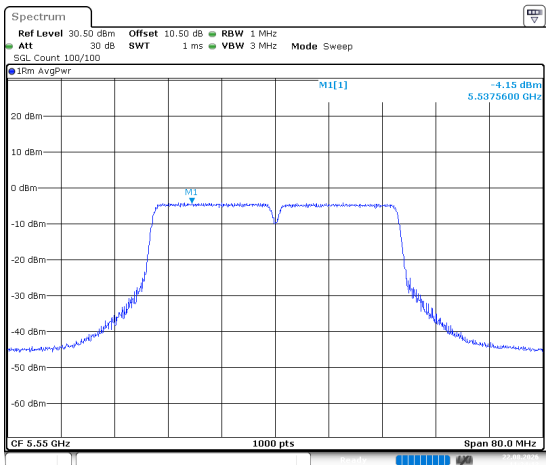
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Date: 22.AUG.2026 11:22:50

802.11n40_5510MHz



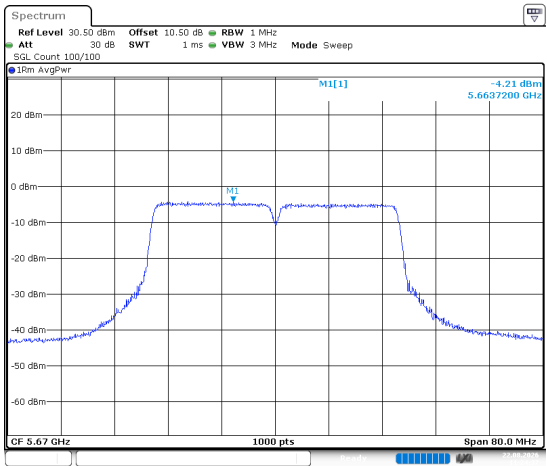
ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 11:23:30

802.11n40_5550MHz



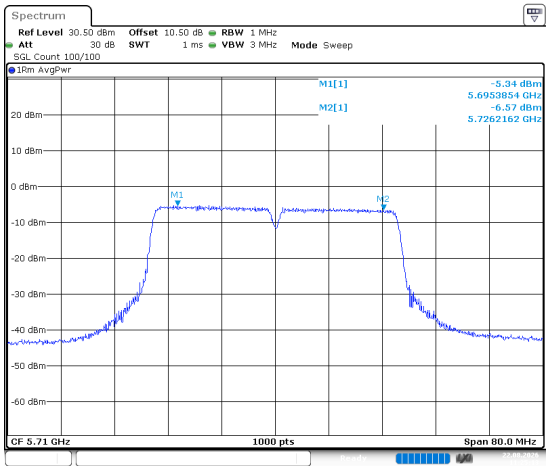
ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 11:24:12

802.11n40_5670MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 11:24:37

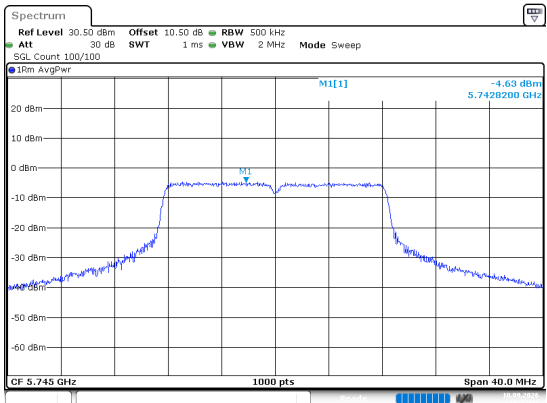
802.11n40_5710MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 11:25:14

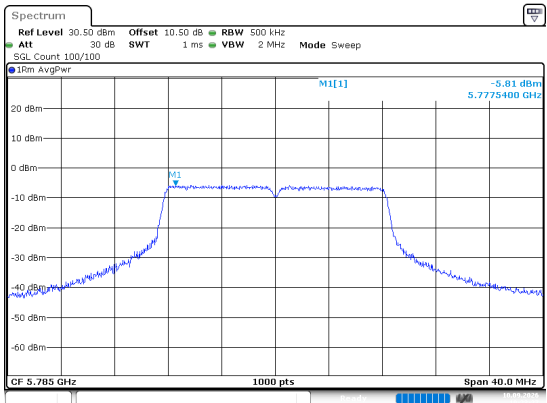
5725-5850MHz

802.11a_5745MHz



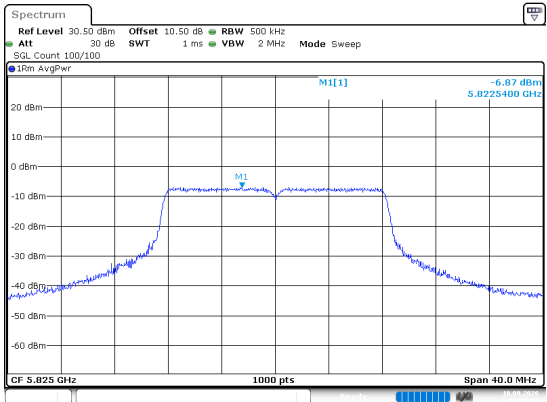
ProjectNo.:2601V21493E-RF Tester:Jackson Zhu
Date: 19.SEP.2026 10:22:23

802.11a_5785MHz



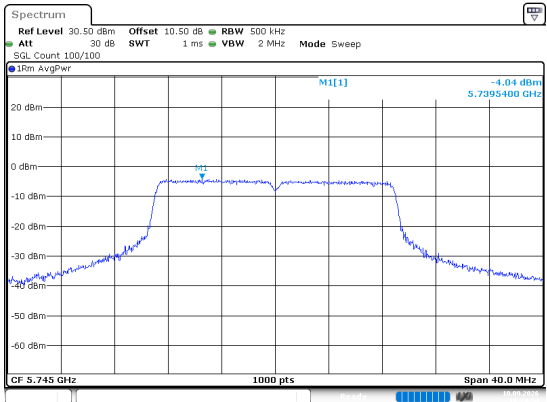
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Date: 19.SEP.2026 10:23:28

802.11a_5825MHz



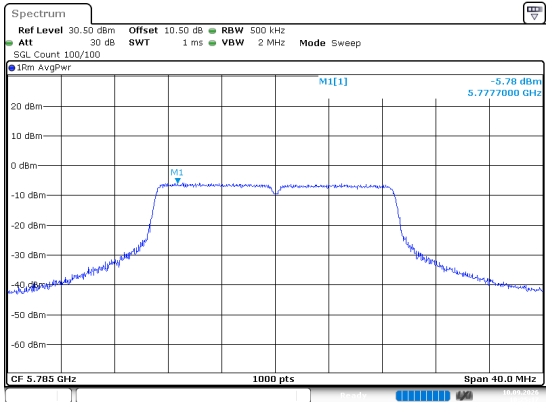
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Date: 10.SEP.2026 10:23:53

802.11n20_5745MHz



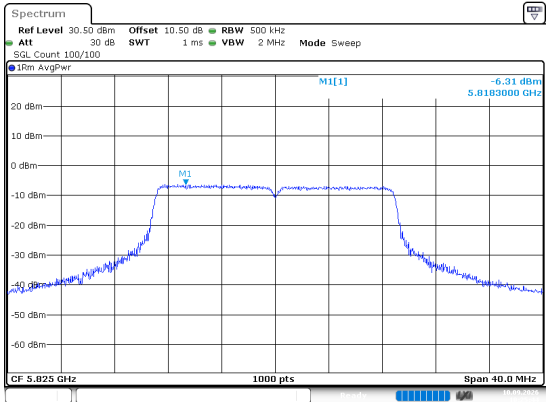
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Date: 10.SEP.2026 10:24:55

802.11n20_5785MHz



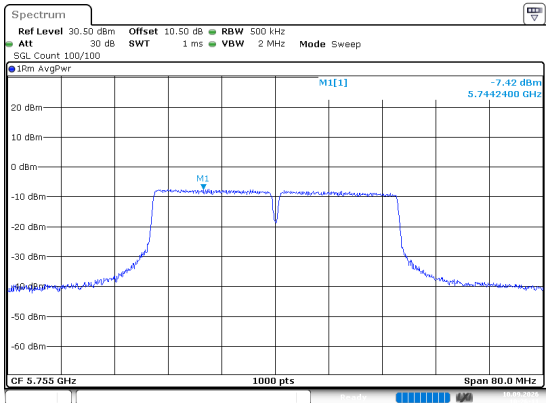
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Date: 10.SEP.2026 10:25:17

802.11n20_5825MHz



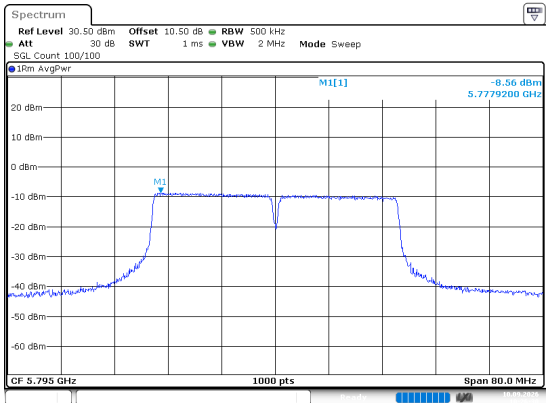
ProjectNo.:2601V21493E-RF Tester:Jackoon Zhu
Date: 10.SEP.2026 10:25:44

802.11n40_5755MHz



ProjectNo.:2601V21493E-RF Tester:Jackoon Zhu
Date: 10.SEP.2026 10:26:11

802.11n40_5795MHz



ProjectNo.:2601V21493E-RF Tester:Jackoon Zhu
Date: 10.SEP.2026 10:26:30

Duty Cycle

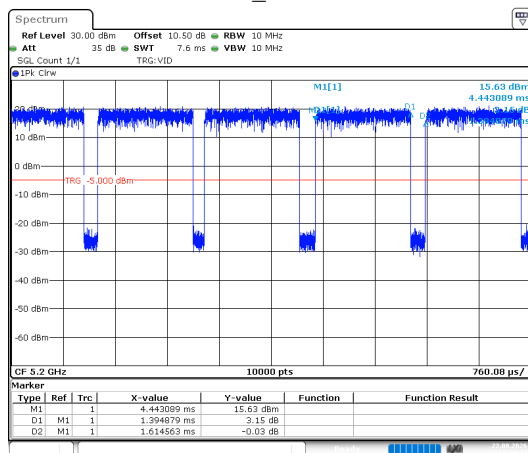
5150-5250MHz

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	1.395	1.615	86.38	0.64	717	1
802.11n20	5200	5.086	5.267	96.56	0.15	197	0.2
802.11n40	5190	4.892	5.069	96.51	0.15	204	0.3

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

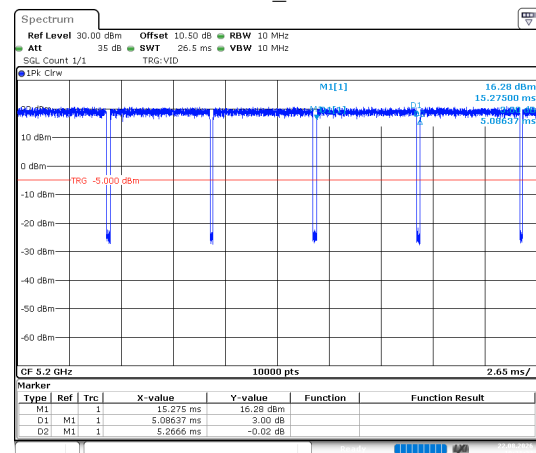
5150-5250MHz

802.11a_5200MHz



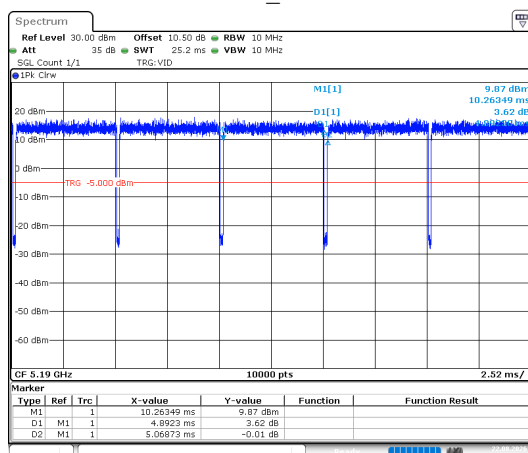
ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 10:30:44

802.11n20_5200MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 10:31:33

802.11n40_5190MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng
Date: 22.AUG.2026 10:32:44

Unwanted emissions inside the band 5150-5250 MHz**Test Information:**

Sample No.:	3QJM-2	Test Date:	2026/08/28
Test Site:	RF	Test Mode:	Transmitting
Tester:	Barry Feng	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.4	Relative Humidity: (%)	52	ATM Pressure: (kPa)	101.4
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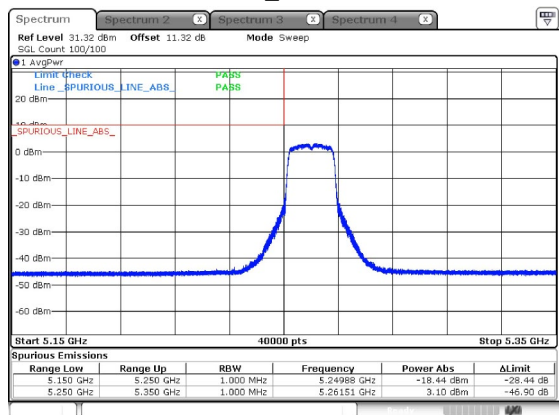
5250-5350MHz

Mode	Channel	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	Low Channel	5249.88	-18.44	0.64	-17.80	10	Pass
	Middle Channel	5249.64	-42.94	0.64	-42.30	10	Pass
	High Channel	5153.75	-44.45	0.64	-43.81	10	Pass
802.11n20	Low Channel	5249.96	-15.98	0.15	-15.83	10	Pass
	Middle Channel	5249.18	-43.48	0.15	-43.33	10	Pass
	High Channel	5155.79	-44.57	0.15	-44.42	10	Pass
802.11n40	Low Channel	5249.93	-22.56	0.15	-22.41	10	Pass
	High Channel	5249.38	-44.27	0.15	-44.12	10	Pass

Result = Reading + Duty Cycle Factor

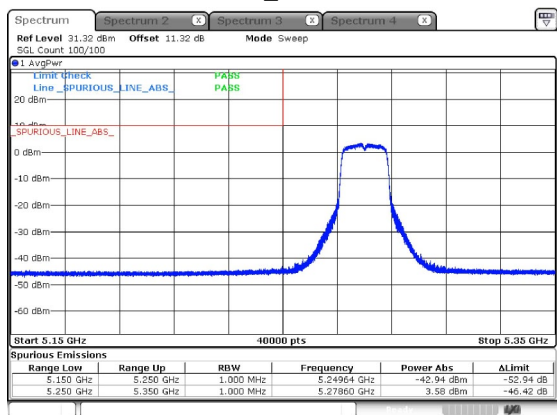
5250-5350MHz

802.11a_5260MHz



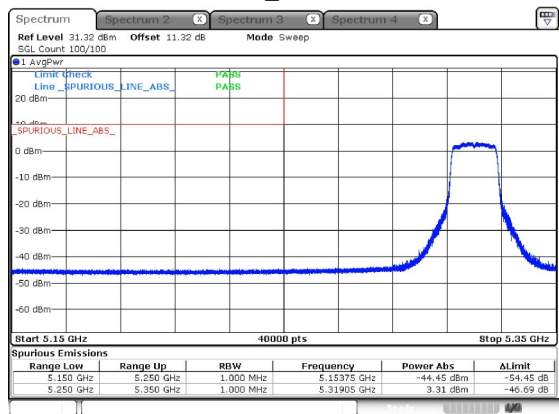
ProjectNo.:2601V21493E-RFB Tester:Barry Pang
Date: 28_AUG.2026 16:52:40

802.11a_5280MHz



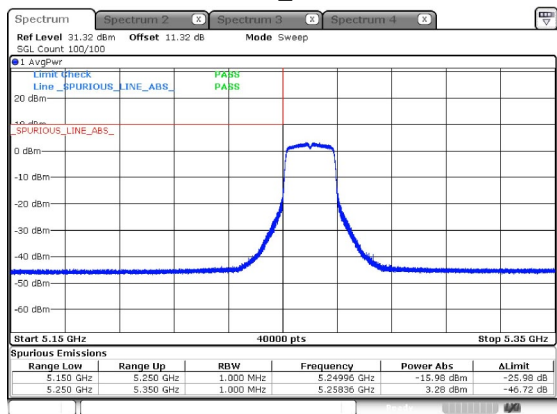
ProjectNo.:2601V21493E-RFB Tester:Barry Pang
Date: 28_AUG.2026 16:55:06

802.11a_5320MHz



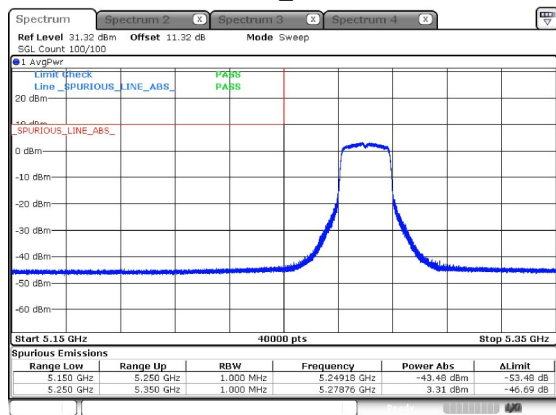
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Date: 28_AUG.2026 16:57:14

802.11n20_5260MHz



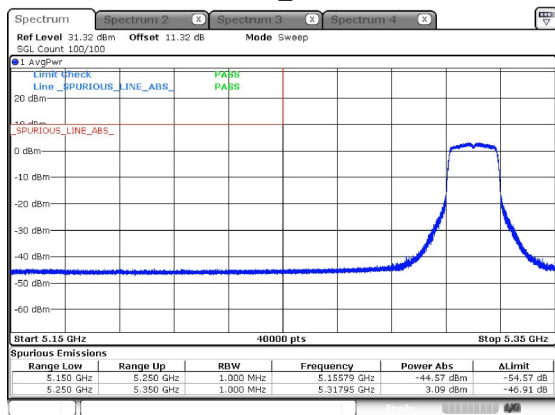
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Date: 28_AUG.2026 16:59:00

802.11n20_5280MHz



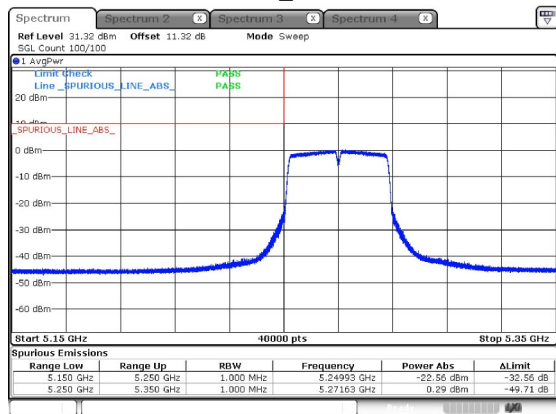
ProjectNo.: 2601V21493E-RFB Tester: Barry Peng
Date: 28_AUG.2026 17:00:45

802.11n20_5320MHz



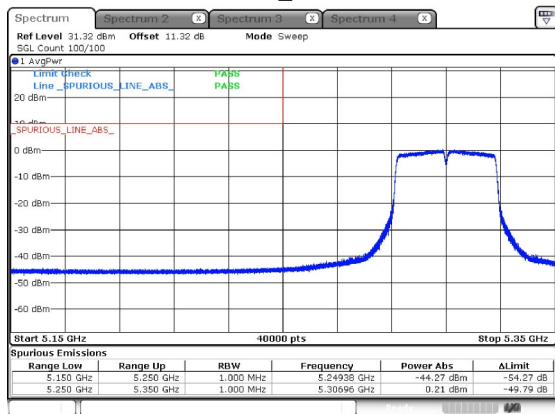
ProjectNo.: 2601V21493E-RFB Tester: Barry Peng
Date: 28_AUG.2026 17:02:18

802.11n40_5270MHz



ProjectNo.: 2601V21493E-RFB Tester: Barry Peng
Date: 28_AUG.2026 17:05:02

802.11n40_5310MHz



ProjectNo.: 2601V21493E-RFB Tester: Barry Peng
Date: 28_AUG.2026 17:06:28

EUT PHOTOGRAPHS

Please refer to the attachment 2601V21493E-RF-EXP External photo and 2601V21493E-RF-INP Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2601V21493E-RF-TSPB Test Setup photo.

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