

Appendix A**Test Information:**

Sample No.:	3KAR-3	Test Date:	2026/04/22
Test Site:	RF	Test Mode:	Transmitting
Tester:	Zoey Song	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.6	Relative Humidity: (%)	52	ATM Pressure: (kPa)	100.2
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200445	2025/11/10	2026/11/09
Agilent	USB Average Power Sensor	U2001H	MY50000380	2026/02/27	2027/02/26
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
JD	Test software	JD Auto Test System	V1.0	N/A	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Emission Bandwidth**26dB Emission Bandwidth****5150-5250MHz**

Mode	Antenna	Test Frequency (MHz)	Result (MHz)
802.11a	Chain 0	5180	23.460
		5200	23.400
		5240	23.240
802.11n20	Chain 0	5180	24.036
		5200	24.126
		5240	24.616
802.11n40	Chain 0	5190	46.900
		5230	48.200

Note: Test only was performed at Chain 0.

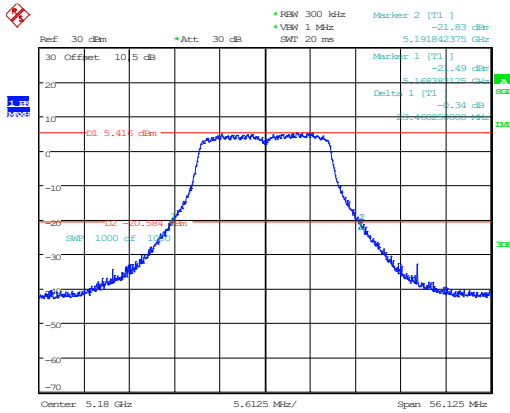
6dB Emission Bandwidth**5725-5850MHz**

Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	Chain 0	5745	16.600	0.5	Pass
		5785	16.650	0.5	Pass
		5825	16.650	0.5	Pass
802.11n20	Chain 0	5745	17.700	0.5	Pass
		5785	17.300	0.5	Pass
		5825	17.450	0.5	Pass
802.11n40	Chain 0	5755	36.300	0.5	Pass
		5795	36.600	0.5	Pass

Note: Test only was performed at Chain 0.

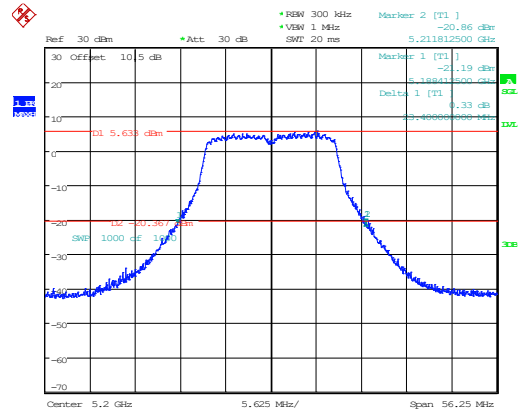
5150-5250MHz

802.11a_5180MHz_Chain 0



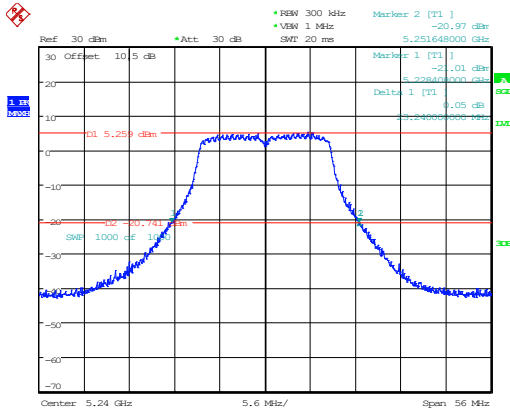
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Date: 22.APR.2026 20:19:17

802.11a_5200MHz_Chain 0



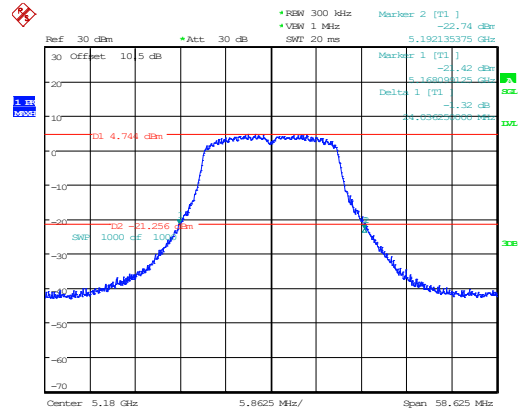
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802.11a_5240MHz_Chain 0



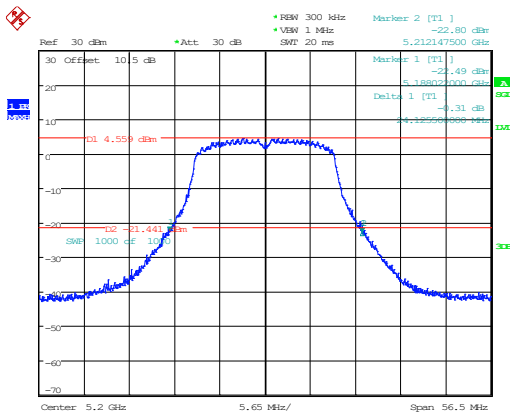
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802.11n20_5180MHz_Chain 0



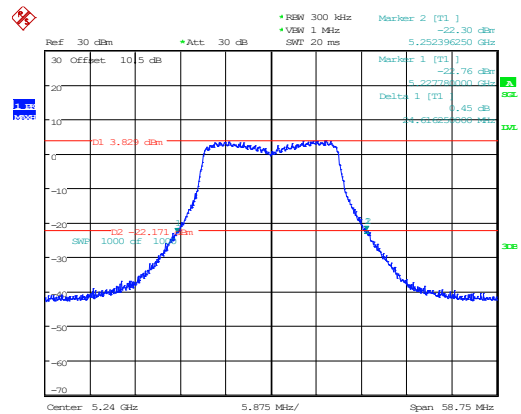
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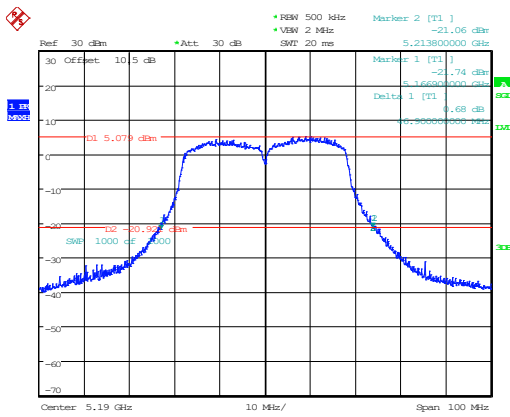
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802.11n20_5240MHz_Chain 0



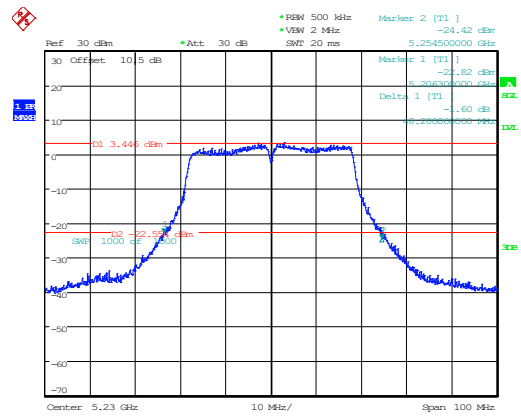
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Date: 22.APR.2026 20:53:36

802.11n40_5190MHz_Chain 0



ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 20:57:54

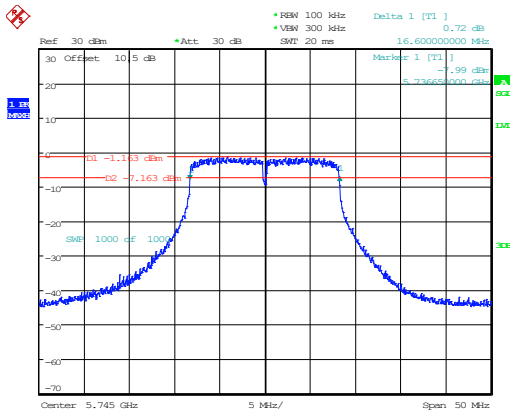
802.11n40_5230MHz_Chain 0



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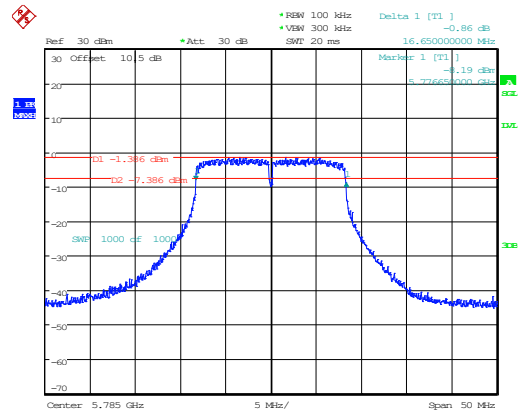
5725-5850MHz

802.11a_5745MHz_Chain 0



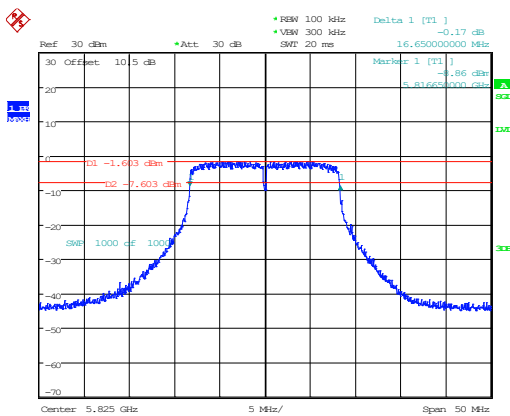
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802.11a_5785MHz_Chain 0



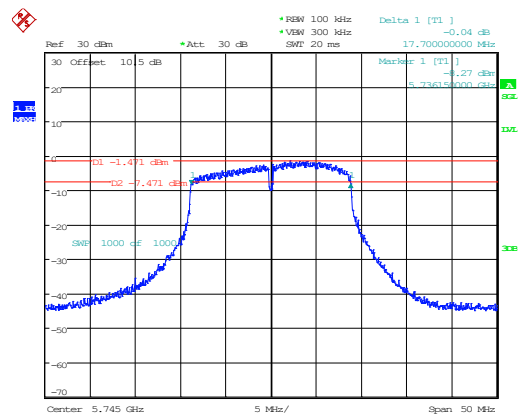
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802.11a_5825MHz_Chain 0



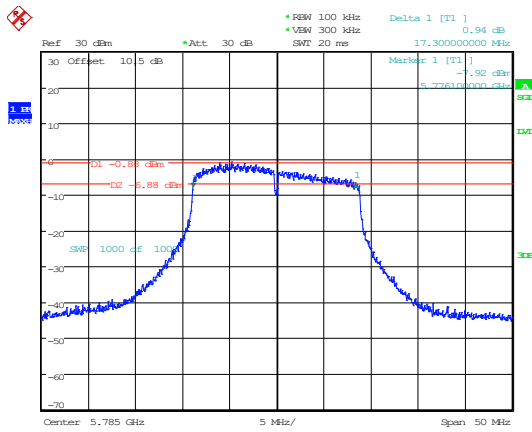
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802.11n20_5745MHz_Chain 0



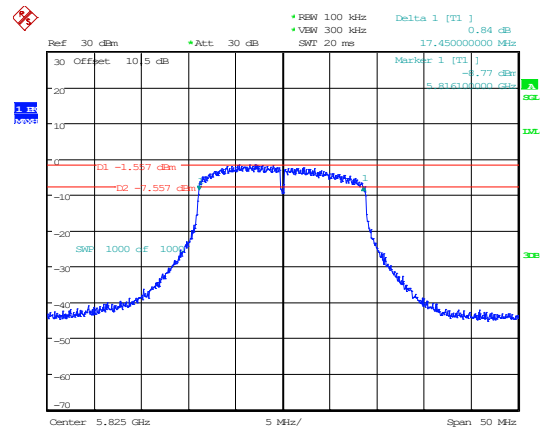
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802.11n20_5785MHz_Chain 0



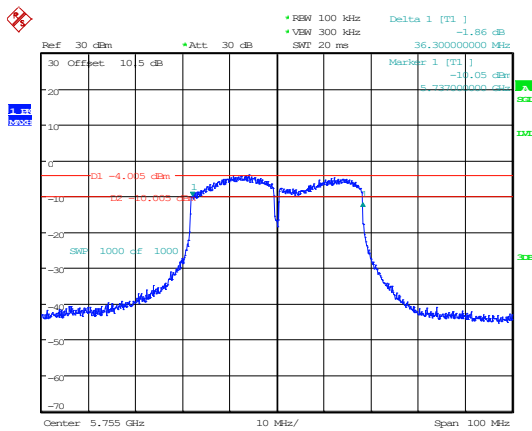
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802.11n20_5825MHz_Chain 0



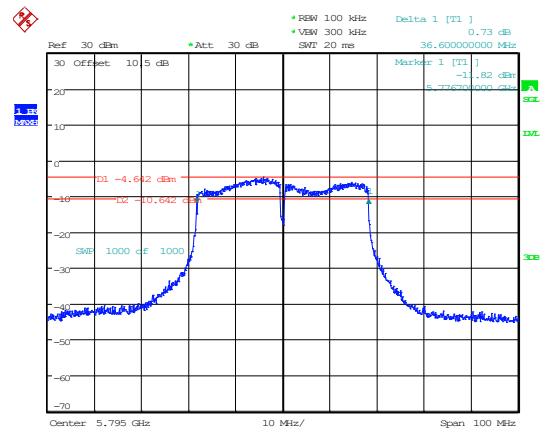
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Date: 22.APR.2026 21:20:50

802.11n40_5755MHz_Chain 0



ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:26:29

802.11n40_5795MHz_Chain 0



ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:31:12

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

Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	Chain 0	5180	16.750
		5200	16.700
		5240	16.750
802.11n20	Chain 0	5180	17.850
		5200	17.700
		5240	18
802.11n40	Chain 0	5190	36.900
		5230	37.200

Note:

1. The 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.
2. Test only was performed at Chain 0.

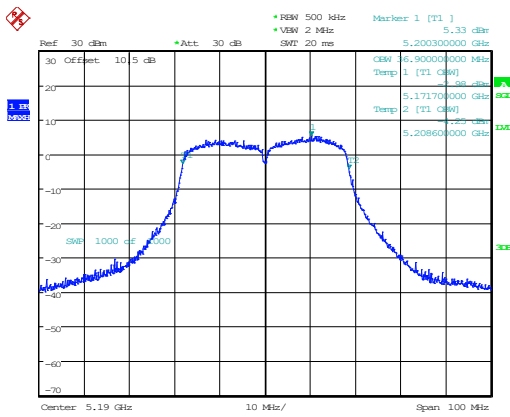
5725-5850MHz

Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	Chain 0	5745	16.750
		5785	16.750
		5825	16.750
802.11n20	Chain 0	5745	17.700
		5785	17.800
		5825	17.700
802.11n40	Chain 0	5755	36.900
		5795	37.100

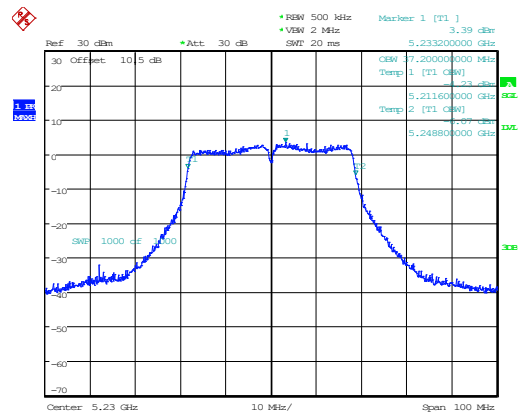
Note:

1. The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.
2. Test only was performed at Chain 0.

802.11n40_5190MHz_Chain 0

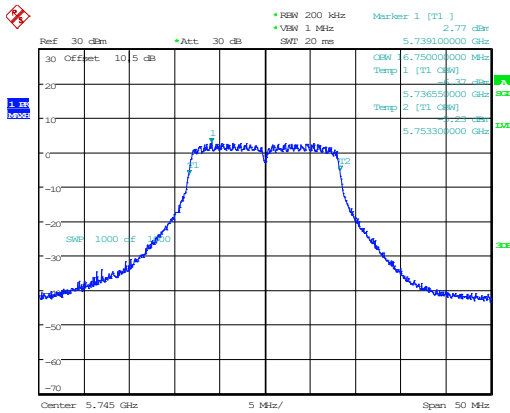


802.11n40_5230MHz_Chain 0

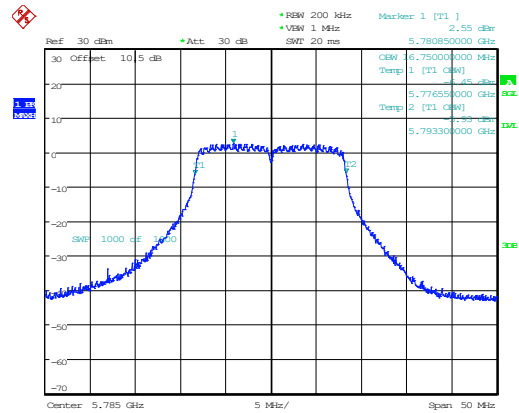


5725-5850MHz

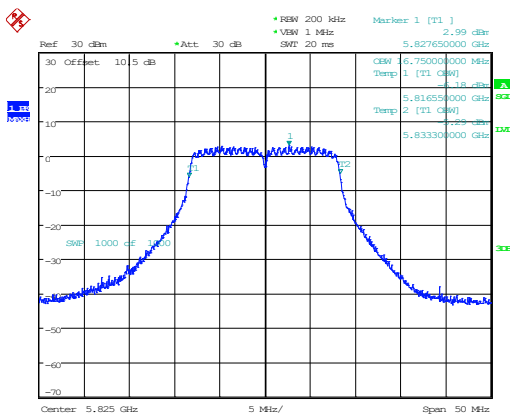
802.11a_5745MHz_Chain 0



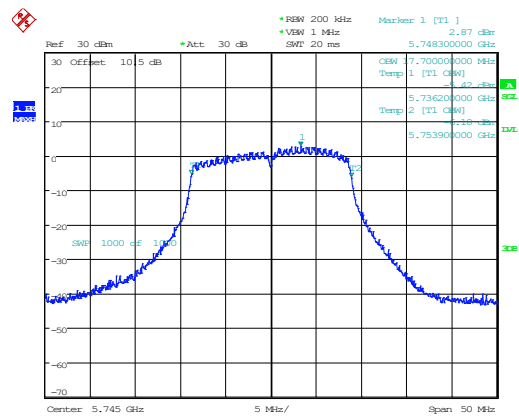
802.11a_5785MHz_Chain 0



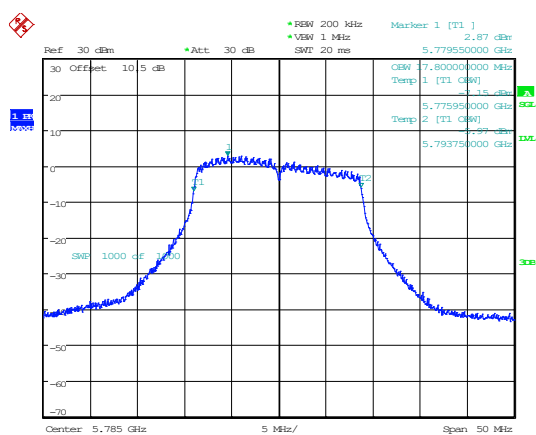
802.11a_5825MHz_Chain 0



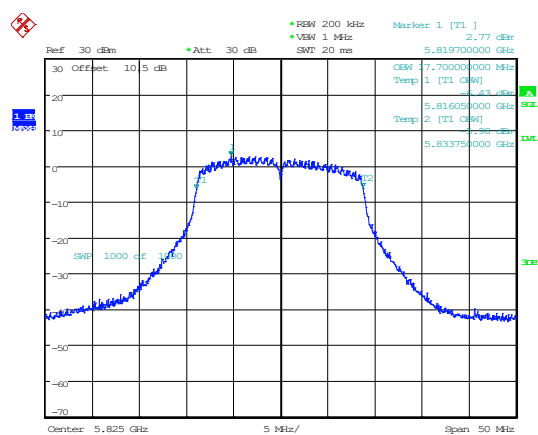
802.11n20_5745MHz_Chain 0



802.11n20_5785MHz_Chain 0



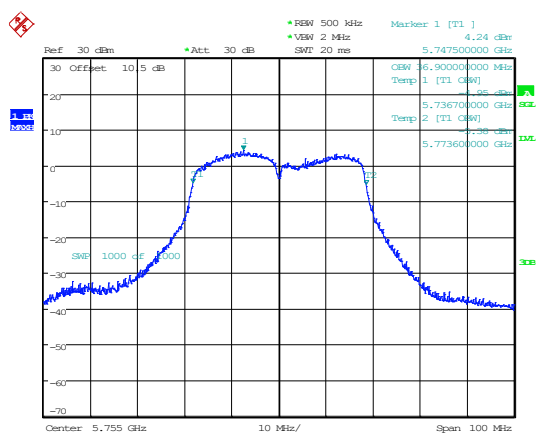
802.11n20_5825MHz_Chain 0



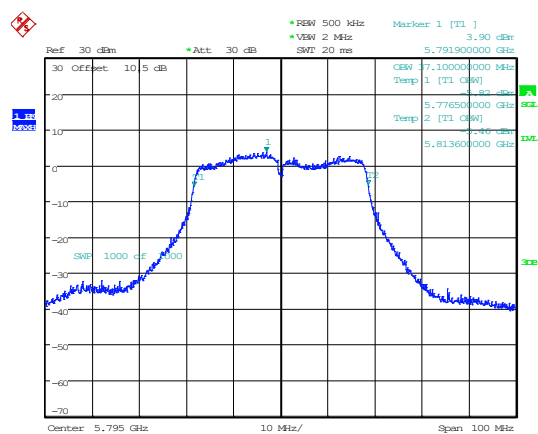
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Date: 22.APR.2026 21:18:23

ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:21:59

802.11n40_5755MHz_Chain 0



802.11n40_5795MHz_Chain 0



ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:28:26

ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:33:12

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

Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)		Verdict
				Outdoor AP	Client	
802.11a	Chain 0	5180	12.58	27.22	21.22	Pass
		5200	12.56	27.22	21.22	Pass
		5240	12.41	27.22	21.22	Pass
	Chain 1	5180	12.2	29.91	23.91	Pass
		5200	12.67	29.91	23.91	Pass
		5240	12.8	29.91	23.91	Pass
802.11n20	Chain 0	5180	12.01	27.22	21.22	Pass
		5200	11.91	27.22	21.22	Pass
		5240	11.29	27.22	21.22	Pass
	Chain 1	5180	12.21	29.91	23.91	Pass
		5200	11.86	29.91	23.91	Pass
		5240	11.79	29.91	23.91	Pass
	Chain 0+Chain 1	5180	15.12	27.22	21.22	Pass
		5200	14.90	27.22	21.22	Pass
		5240	14.56	27.22	21.22	Pass
802.11n40	Chain 0	5190	12.51	27.22	21.22	Pass
		5230	10.98	27.22	21.22	Pass
	Chain 1	5190	11.56	29.91	23.91	Pass
		5230	11.65	29.91	23.91	Pass
	Chain 0+Chain 1	5190	15.07	27.22	21.22	Pass
		5230	14.34	27.22	21.22	Pass

Note:

The product can be used as an outdoor AP or client device.

According to the antenna report, the maximum antenna gain at any elevation angle above 30 degrees as measured from the horizon is 3.51 dBi, so the maximum e.i.r.p. is 18.63 dBm which not exceed 125 mW (21 dBm).

5725-5850MHz

Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	Chain 0	5745	12.31	28.44	Pass
		5785	12.21	28.44	Pass
		5825	12.28	28.44	Pass
	Chain 1	5745	10.89	30	Pass
		5785	10.93	30	Pass
		5825	10.19	30	Pass
802.11n20	Chain 0	5745	11.4	28.44	Pass
		5785	11.37	28.44	Pass
		5825	11.59	28.44	Pass
	Chain 1	5745	10.09	30	Pass
		5785	9.88	30	Pass
		5825	8.83	30	Pass
	Chain 0+Chain 1	5745	13.80	28.44	Pass
		5785	13.70	28.44	Pass
		5825	13.44	28.44	Pass
802.11n40	Chain 0	5755	11.31	28.44	Pass
		5795	10.92	28.44	Pass
	Chain 1	5755	9.78	30	Pass
		5795	9.4	30	Pass
	Chain 0+Chain 1	5755	13.62	28.44	Pass
		5795	13.24	28.44	Pass

Power Spectral Density**5150-5250MHz**

Mode	Antenna	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)		Verdict
						Outdoor AP	Client	
802.11a	Chain 0	5180	1.71	0	1.71	14.22	8.22	Pass
		5200	1.70	0	1.70	14.22	8.22	Pass
		5240	1.52	0	1.52	14.22	8.22	Pass
	Chain 1	5180	1.25	0	1.25	16.91	10.91	Pass
		5200	1.73	0	1.73	16.91	10.91	Pass
		5240	1.81	0	1.81	16.91	10.91	Pass
802.11n20	Chain 0	5180	0.97	0	0.97	14.22	8.22	Pass
		5200	0.99	0	0.99	14.22	8.22	Pass
		5240	0.60	0	0.60	14.22	8.22	Pass
	Chain 1	5180	1.06	0	1.06	16.91	10.91	Pass
		5200	0.68	0	0.68	16.91	10.91	Pass
		5240	0.85	0	0.85	16.91	10.91	Pass
	Chain 0+Chain 1	5180	4.03	0	4.03	11.22	5.22	Pass
		5200	3.85	0	3.85	11.22	5.22	Pass
		5240	3.74	0	3.74	11.22	5.22	Pass
802.11n40	Chain 0	5190	-0.90	0	-0.90	14.22	8.22	Pass
		5230	-2.67	0	-2.67	14.22	8.22	Pass
	Chain 1	5190	-2.47	0	-2.47	16.91	10.91	Pass
		5230	-2.54	0	-2.54	16.91	10.91	Pass
	Chain 0+Chain 1	5190	1.40	0	1.40	11.22	5.22	Pass
		5230	0.41	0	0.41	11.22	5.22	Pass

Note:
The product can be used as an outdoor AP or client device.

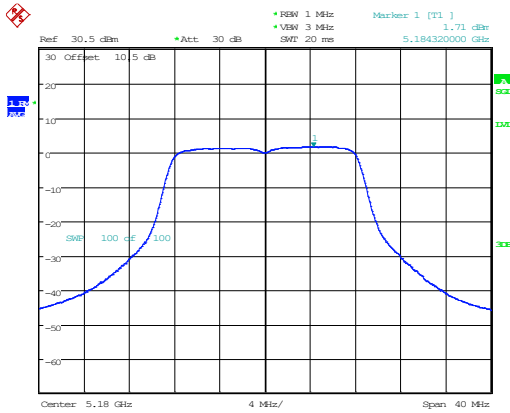
5725-5850MHz

Mode	Antenna	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor(dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11a	Chain 0	5745	-1.88	0	-1.88	28.44	Pass
		5785	-1.96	0	-1.96	28.44	Pass
		5825	-1.90	0	-1.90	28.44	Pass
	Chain 1	5745	-3.32	0	-3.32	30	Pass
		5785	-3.15	0	-3.15	30	Pass
		5825	-3.92	0	-3.92	30	Pass
802.11n20	Chain 0	5745	-1.90	0	-1.90	28.44	Pass
		5785	-1.76	0	-1.76	28.44	Pass
		5825	-1.96	0	-1.96	28.44	Pass
	Chain 1	5745	-4.26	0	-4.26	30	Pass
		5785	-4.42	0	-4.42	30	Pass
		5825	-5.50	0	-5.50	30	Pass
	Chain 0+Chain 1	5745	0.09	0	0.09	25.44	Pass
		5785	0.12	0	0.12	25.44	Pass
		5825	-0.37	0	-0.37	25.44	Pass
802.11n40	Chain 0	5755	-4.94	0	-4.94	28.44	Pass
		5795	-5.32	0	-5.32	28.44	Pass
	Chain 1	5755	-7.36	0	-7.36	30	Pass
		5795	-8.00	0	-8.00	30	Pass
	Chain 0+Chain 1	5755	-2.97	0	-2.97	25.44	Pass
		5795	-3.45	0	-3.45	25.44	Pass

Result = Reading + Duty Cycle Factor

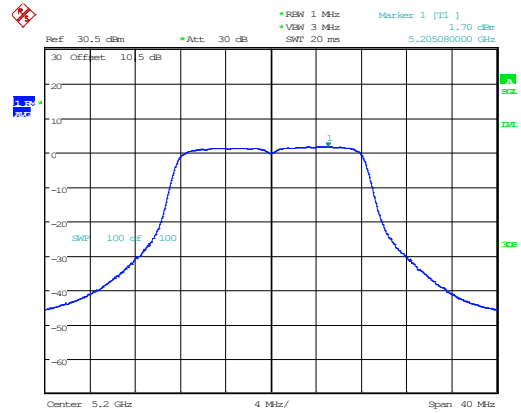
5150-5250MHz

802.11a_5180MHz_Chain 0



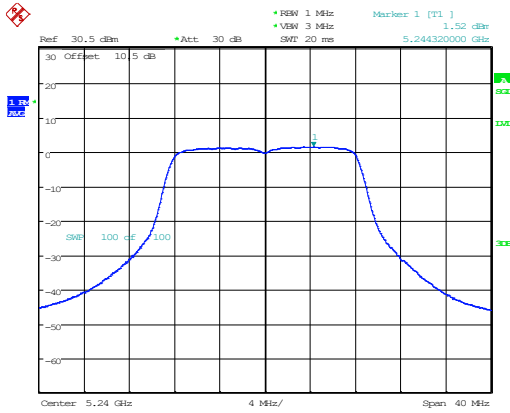
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Date: 22.APR.2026 20:21:08

802.11a_5200MHz_Chain 0



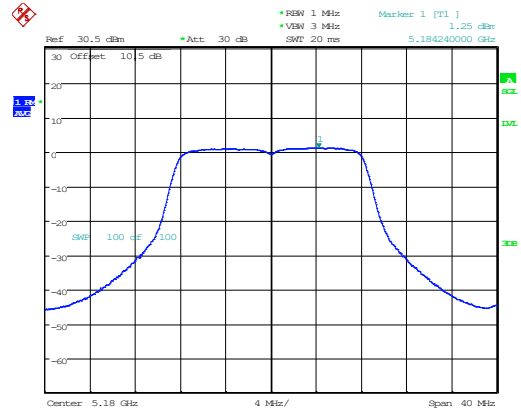
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802.11a_5240MHz_Chain 0



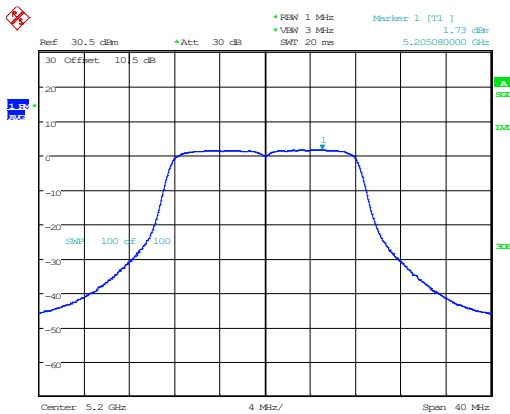
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802.11a_5180MHz_Chain 1



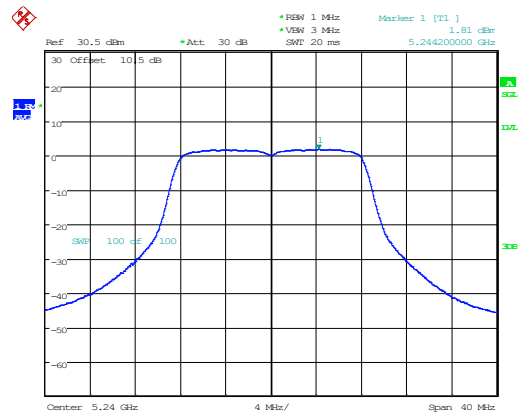
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802.11a_5200MHz_Chain 1



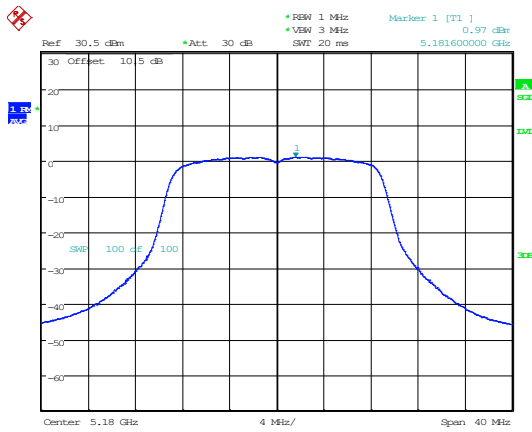
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802.11a_5240MHz_Chain 1



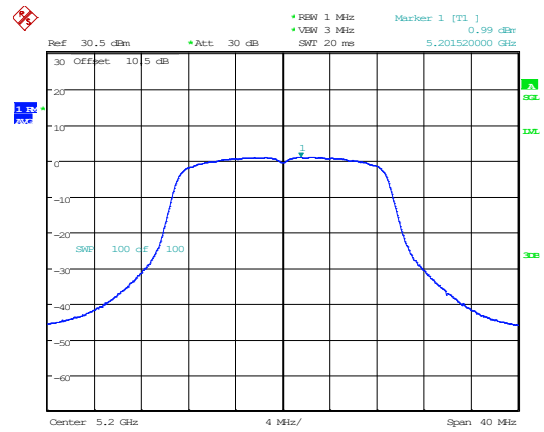
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Date: 22.APR.2026 21:47:46

802.11n20_5180MHz_Chain 0



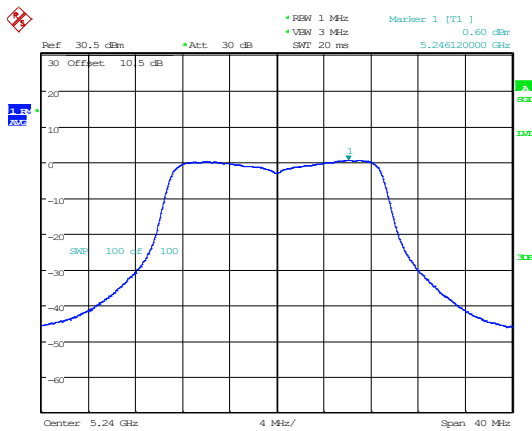
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802.11n20_5200MHz_Chain 0



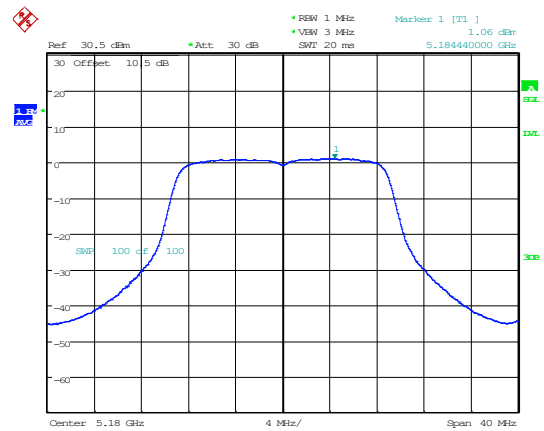
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802.11n20_5240MHz_Chain 0



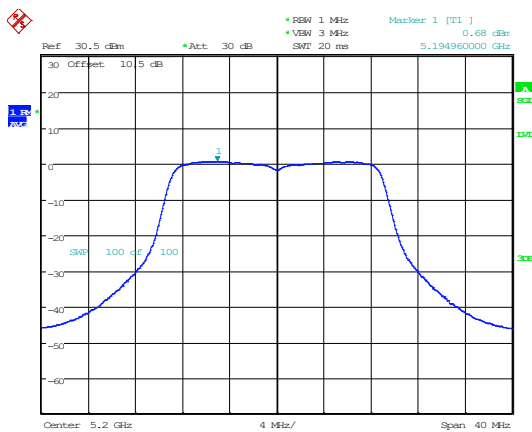
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Date: 22.APR.2026 20:55:29

802.11n20_5180MHz_Chain 1



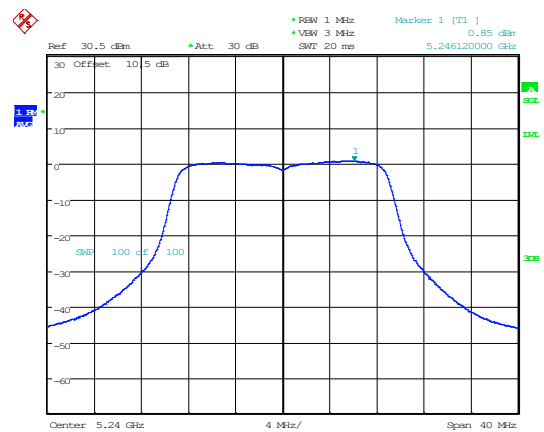
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:52:13

802.11n20_5200MHz_Chain 1



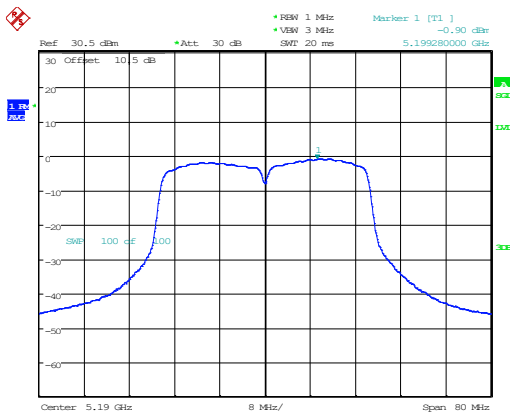
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:57:45

802.11n20_5240MHz_Chain 1



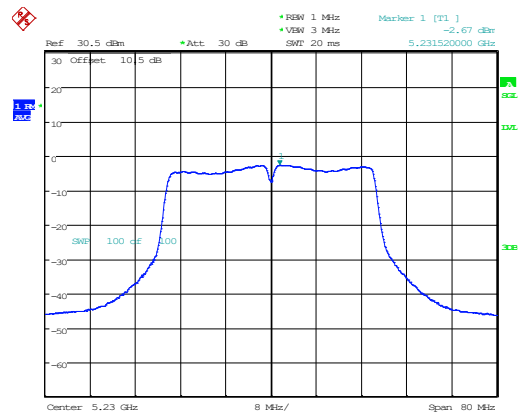
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 22:02:05

802.11n40_5190MHz_Chain 0



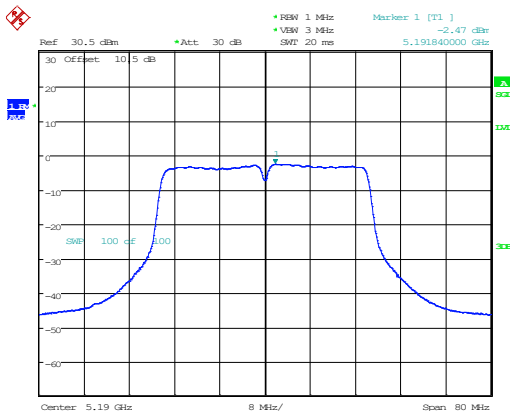
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:00:30

802.11n40_5230MHz_Chain 0



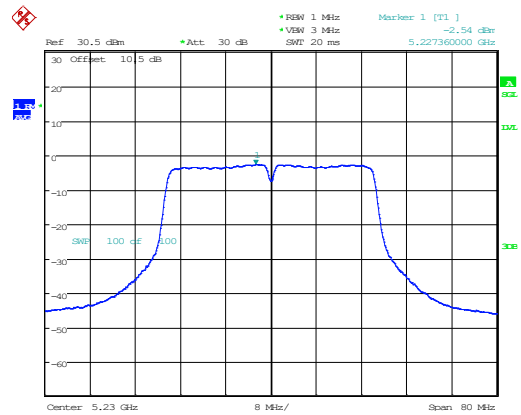
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:10:27

802.11n40_5190MHz_Chain 1



ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 22:07:00

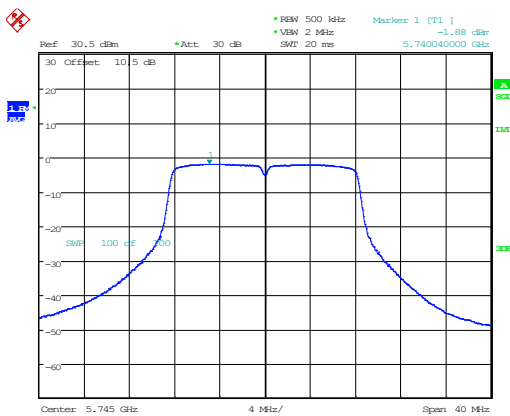
802.11n40_5230MHz_Chain 1



ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 22:12:09

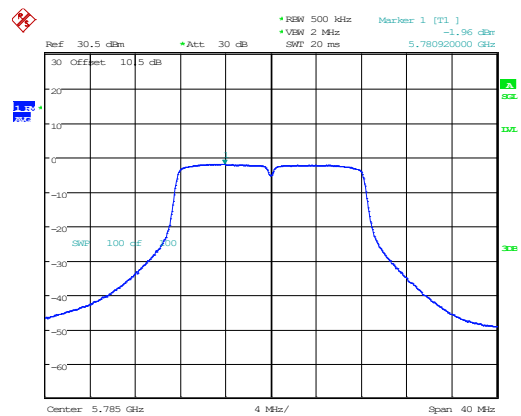
5725-5850MHz

802.11a_5745MHz_Chain 0



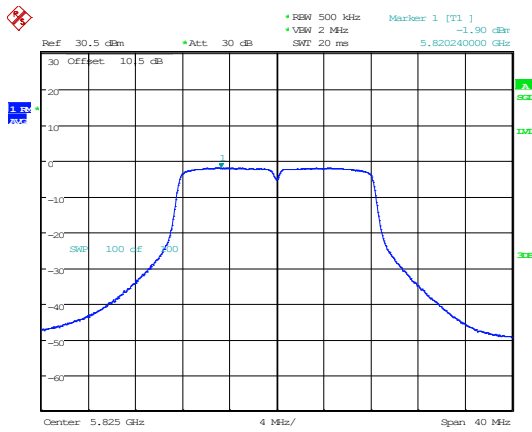
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 20:34:03

802.11a_5785MHz_Chain 0

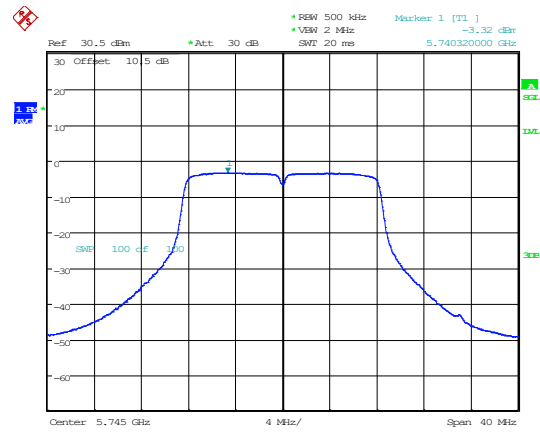


ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 20:37:17

802.11a_5825MHz_Chain 0



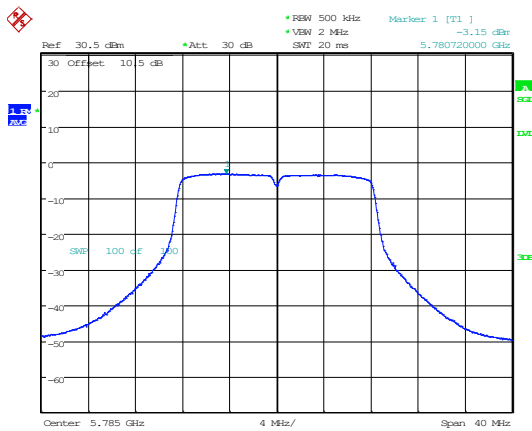
802.11a_5745MHz_Chain 1



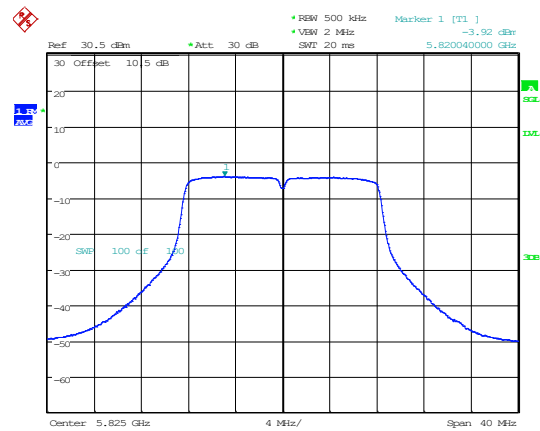
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 20:40:23

ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 22:17:19

802.11a_5785MHz_Chain 1



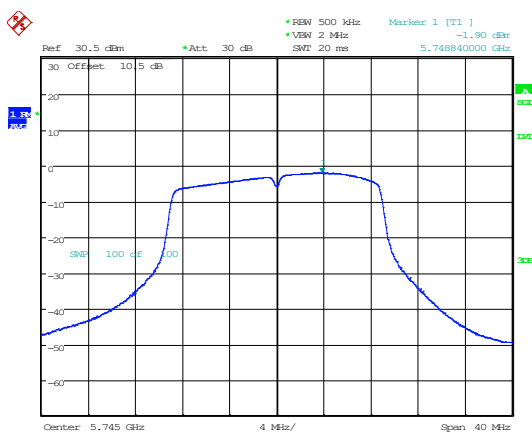
802.11a_5825MHz_Chain 1



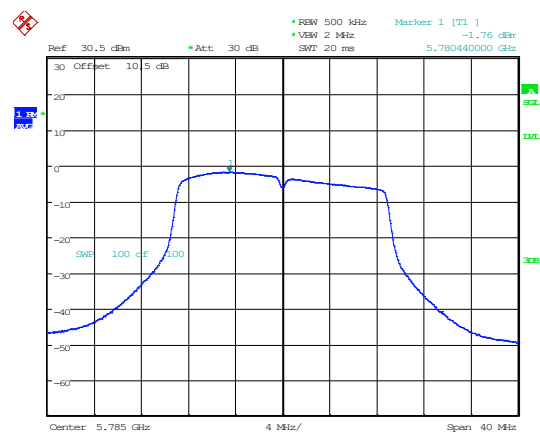
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 22:20:28

ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 22:23:39

802.11n20_5745MHz_Chain 0



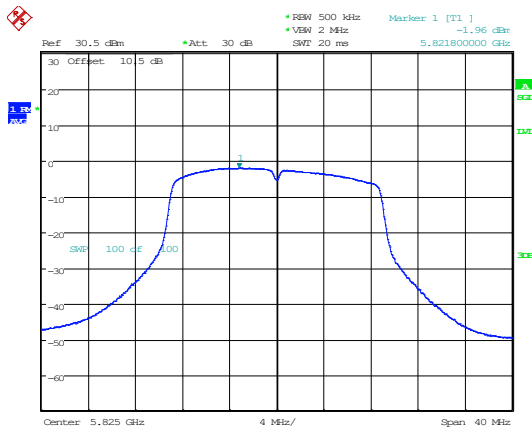
802.11n20_5785MHz_Chain 0



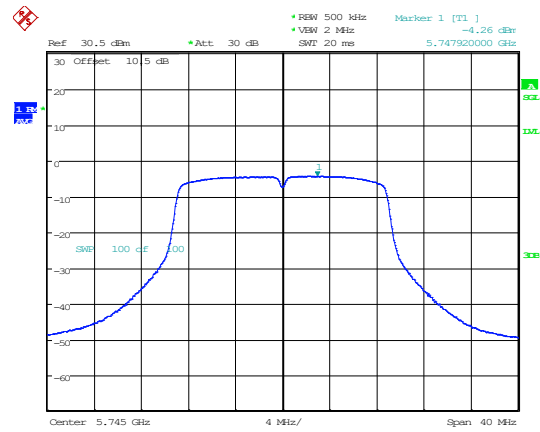
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:15:45

ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:19:06

802.11n20_5825MHz_Chain 0



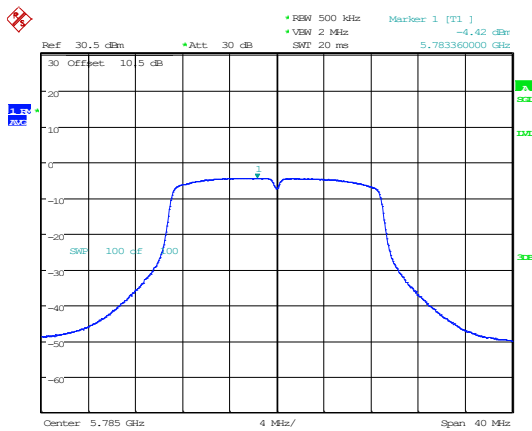
802.11n20_5745MHz_Chain 1



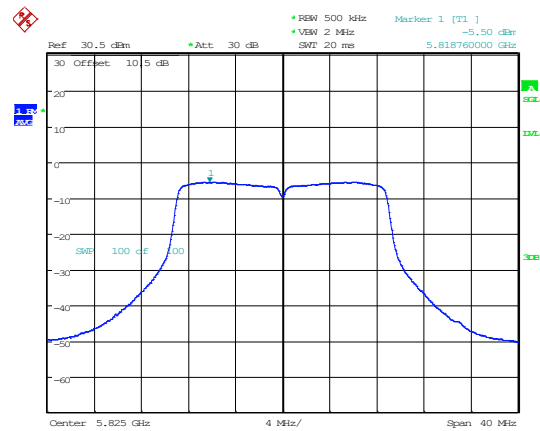
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:22:41

ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 22:27:06

802.11n20_5785MHz_Chain 1



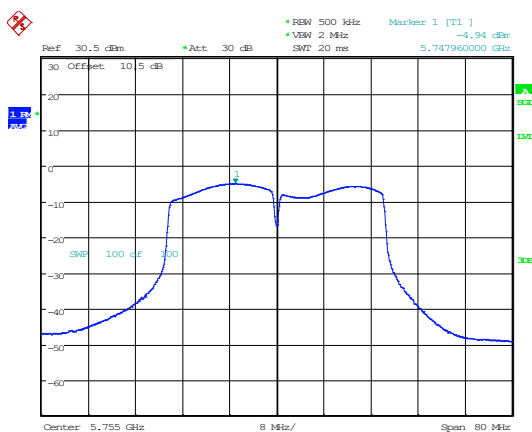
802.11n20_5825MHz_Chain 1



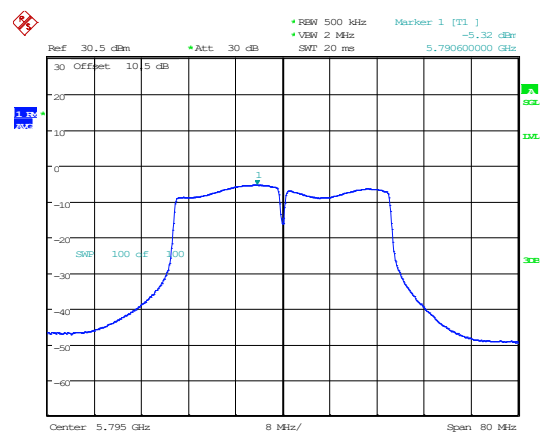
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 22:30:32

ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 22:33:53

802.11n40_5755MHz_Chain 0



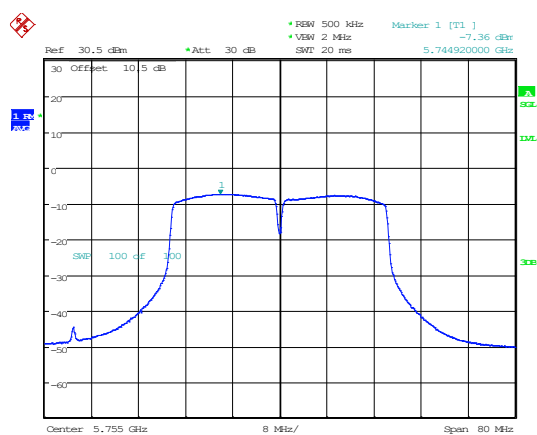
802.11n40_5795MHz_Chain 0



ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:29:09

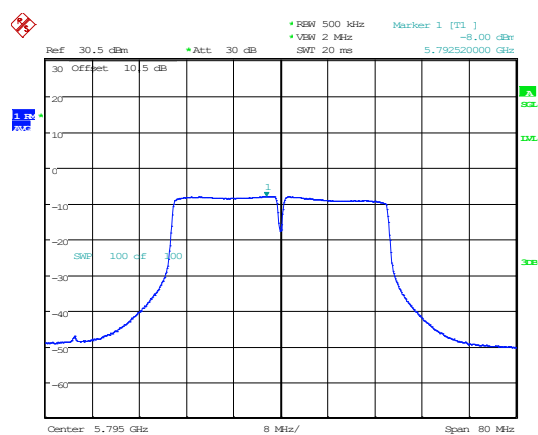
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 21:33:54

802.11n40_5755MHz_Chain 1



ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 22:39:56

802.11n40_5795MHz_Chain 1



ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 22:44:57

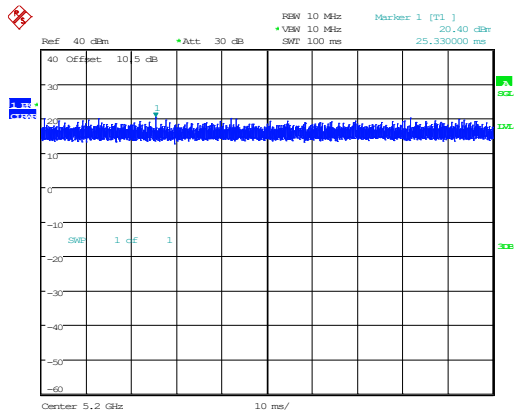
Duty Cycle

Mode	Antenna	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	Chain 0	5200	100	100	100	0	NA	0.010
802.11n20	Chain 0	5200	100	100	100	0	NA	0.010
802.11n40	Chain 0	5190	100	100	100	0	NA	0.010

Duty Cycle = Ton/(Ton+Toff)*100%

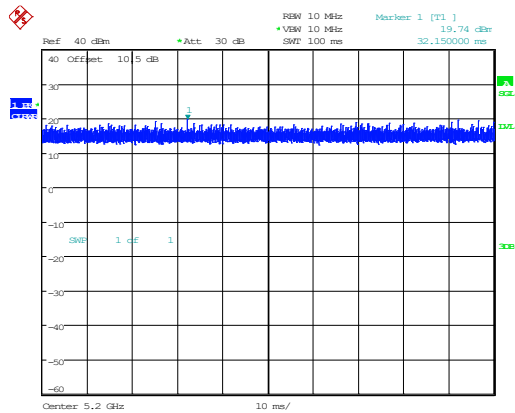
5150-5250MHz

802.11a_5200MHz_Chain 0



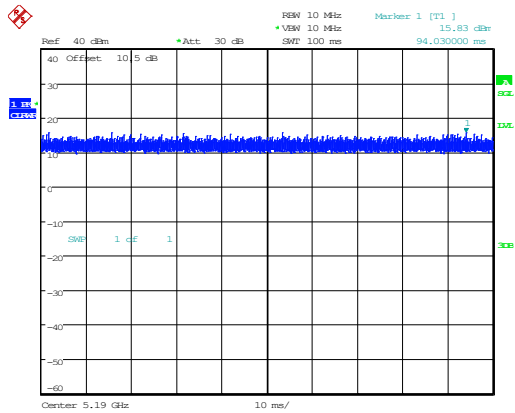
ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 23:24:56

802.11n20_5200MHz_Chain 0



ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 23:25:41

802.11n40_5190MHz_Chain 0



ProjectNo.:2603S14259E-RF Tester:Zoey Song
Date: 22.APR.2026 23:26:16

***** END *****