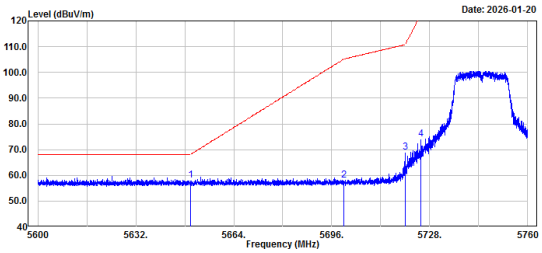
802.11ac20, Low Channel, Bandedge, Horizontal

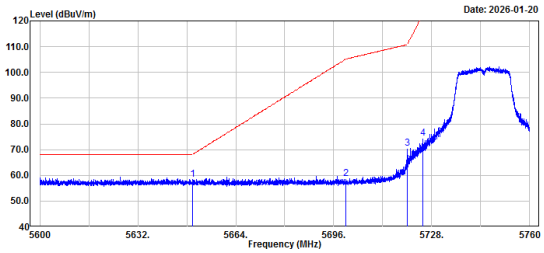
Project No.: 2502A93849E-RF Serial No.: 3FG3-1
Polarization: Horizontal Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11ac20_U-NII-3_low channel 5745MHz
Peak:RBW:1MHz,VBW:3MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement
1	5650.00	49.16	8.82	57.98	68.20	10.22	Peak
2	5700.00	49.32	8.85	58.17	105.20	47.03	Peak
3	5720.00	59.99	8.91	68.90	110.80	41.90	Peak
4	5725.00	65.29	8.93	74.22	122.20	47.98	Peak

802.11ac20,Low Channel, Bandedge, Vertical

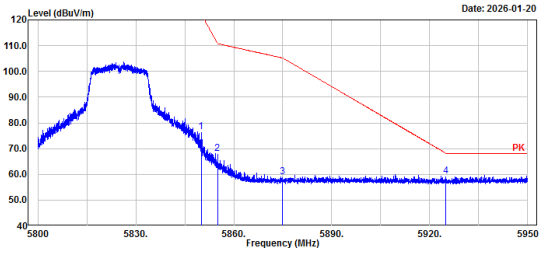
Project No.: 2502A93849E-RF Serial No.: 3FG3-1
Polarization: Vertical Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11ac20_U-NII-3_low channel 5745MHz
Peak:RBW:1MHz,VBW:3MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement
1	5650.00	49.67	8.82	58.49	68.20	9.71	Peak
2	5700.00	49.76	8.85	58.61	105.20	46.59	Peak
3	5720.00	61.65	8.91	70.56	110.80	40.24	Peak
4	5725.00	65.38	8.93	74.31	122.20	47.89	Peak

802.11ac20,High Channel, Bandedge, Horizontal

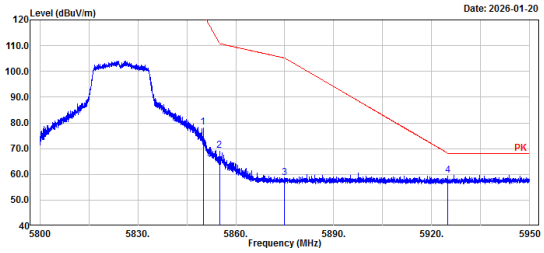
Project No.: 2502A93849E-RF Serial No.: 3FG3-1
Polarization: Horizontal Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11ac20_U-NII-3_high channel 5825MHz
Peak:RBW:1MHz,VBW:3MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement
1	5850.00	67.32	9.10	76.42	122.20	45.78	Peak
2	5855.00	59.03	9.12	68.15	110.80	42.65	Peak
3	5875.00	49.93	9.16	59.09	105.20	46.11	Peak
4	5925.00	50.11	9.24	59.35	68.20	8.85	Peak

802.11ac20,High Channel, Bandedge, Vertical

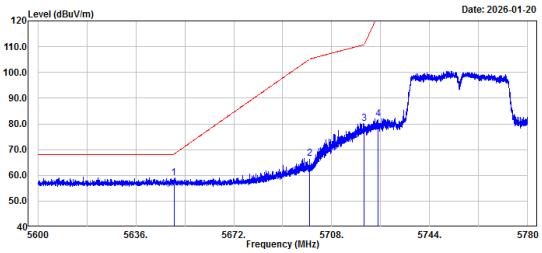
Project No.: 2502A93849E-RF Serial No.: 3FG3-1
Polarization: Vertical Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11ac20_U-NII-3_high channel 5825MHz
Peak:RBW:1MHz,VBW:3MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement
1	5850.00	69.19	9.10	78.29	122.20	43.91	Peak
2	5855.00	60.12	9.12	69.24	110.80	41.56	Peak
3	5875.00	49.61	9.16	58.77	105.20	46.43	Peak
4	5925.00	50.24	9.24	59.48	68.20	8.72	Peak

802.11ac40,Low Channel, Bandedge, Horizontal

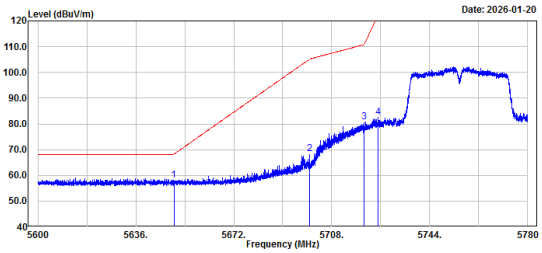
Project No.: 2502A93849E-RF Serial No.: 3FG3-1
Polarization: Horizontal Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11ac40_U-NII-3_low channel 5755MHz
Peak:RBW:1MHz,VBW:3MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement
1	5650.00	50.08	8.82	58.90	68.20	9.30	Peak
2	5700.00	57.68	8.85	66.53	105.20	38.67	Peak
3	5720.00	71.35	8.91	80.26	110.80	30.54	Peak
4	5725.00	73.09	8.93	82.02	122.20	40.18	Peak

802.11ac40,Low Channel, Bandedge, Vertical

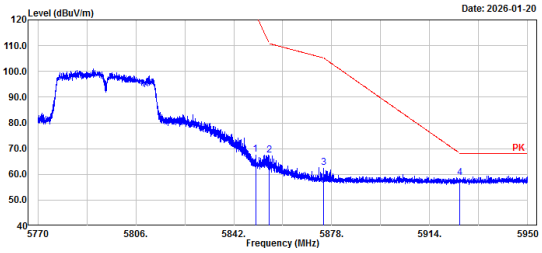
Project No.: 2502A93849E-RF Serial No.: 3FG3-1
Polarization: Vertical Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11ac40_U-NII-3_low channel 5755MHz
Peak:RBW:1MHz,VBW:3MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement
1	5650.00	49.44	8.82	58.26	68.20	9.94	Peak
2	5700.00	59.58	8.85	68.43	105.20	36.77	Peak
3	5720.00	71.83	8.91	80.74	110.80	30.06	Peak
4	5725.00	73.76	8.93	82.69	122.20	39.51	Peak

802.11ac40,High Channel, Bandedge, Horizontal

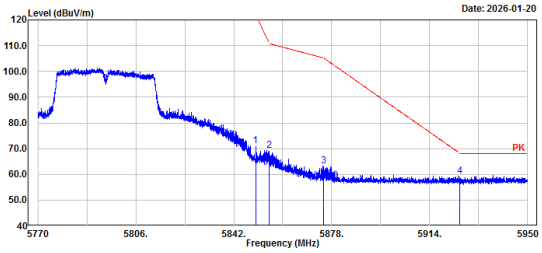
Project No.: 2502A93849E-RF Serial No.: 3FG3-1
Polarization: Horizontal Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11ac40_U-NII-3_high channel 5795MHz
Peak:RBW:1MHz,VBW:3MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement
1	5850.00	58.76	9.10	67.86	122.20	54.34	Peak
2	5855.00	58.30	9.12	67.42	110.80	43.38	Peak
3	5875.00	53.33	9.16	62.49	105.20	42.71	Peak
4	5925.00	49.46	9.24	58.70	68.20	9.50	Peak

802.11ac40,High Channel, Bandedge, Vertical

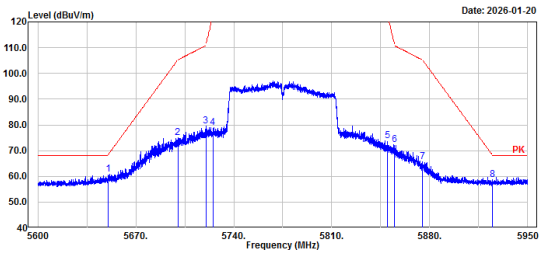
Project No.: 2502A93849E-RF Serial No.: 3FG3-1
Polarization: Vertical Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11ac40_U-NII-3_high channel 5795MHz
Peak:RBW:1MHz,VBW:3MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement
1	5850.00	61.99	9.10	71.09	122.20	51.11	Peak
2	5855.00	60.09	9.12	69.21	110.80	41.59	Peak
3	5875.00	54.07	9.16	63.23	105.20	41.97	Peak
4	5925.00	50.02	9.24	59.26	68.20	8.94	Peak

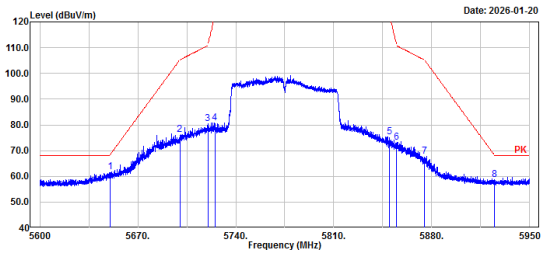
802.11ac80, Middle Channel, Bandedge, Horizontal	802.11ac80, Middle Channel, Bandedge, Vertical

Project No.: 2502A93849E-RF Serial No.: 3FG3-1
Polarization: Horizontal Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3_middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement
1	5650.00	51.97	8.82	60.79	68.20	7.41	Peak
2	5700.00	66.14	8.85	74.99	105.20	30.21	Peak
3	5720.00	70.50	8.91	79.41	110.80	31.39	Peak
4	5725.00	70.02	8.93	78.95	122.20	43.25	Peak
5	5850.00	64.75	9.10	73.85	122.20	48.35	Peak
6	5855.00	63.05	9.12	72.17	110.80	38.63	Peak
7	5875.00	56.47	9.16	65.63	105.20	39.57	Peak
8	5925.00	49.46	9.24	58.70	68.20	9.50	Peak

Project No.: 2502A93849E-RF Serial No.: 3FG3-1
Polarization: Vertical Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3_middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement
1	5650.00	52.83	8.82	61.65	68.20	6.55	Peak
2	5700.00	67.40	8.85	76.25	105.20	28.95	Peak
3	5720.00	71.65	8.91	80.56	110.80	30.24	Peak
4	5725.00	71.86	8.93	80.79	122.20	41.41	Peak
5	5850.00	66.09	9.10	75.19	122.20	47.01	Peak
6	5855.00	64.05	9.12	73.17	110.80	37.63	Peak
7	5875.00	58.76	9.16	67.92	105.20	37.28	Peak
8	5925.00	49.57	9.24	58.81	68.20	9.39	Peak

5.3 26dB attenuated below the channel power

Test Information:

Serial No.:	3FG3-2	Test Date:	2026/04/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jeff Wei	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.9	Relative Humidity: (%)	46	ATM Pressure: (kPa)	100.4

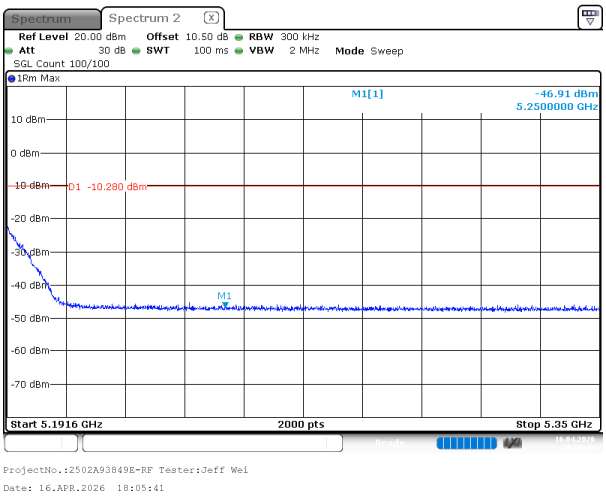
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2025/06/06	2026/06/05
R&S	Spectrum Analyzer	FSV40	101461	2025/08/03	2026/08/02

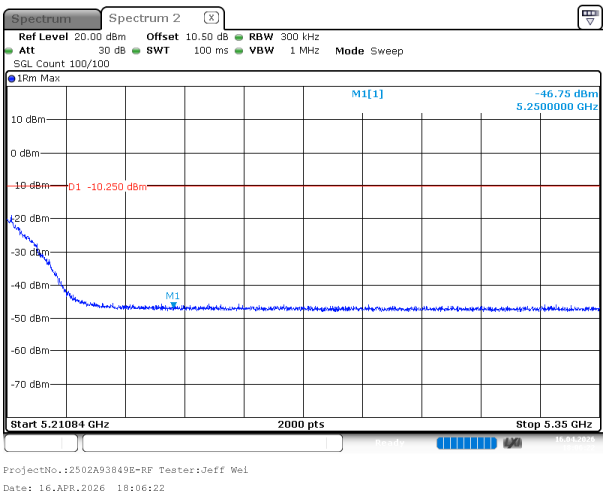
** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

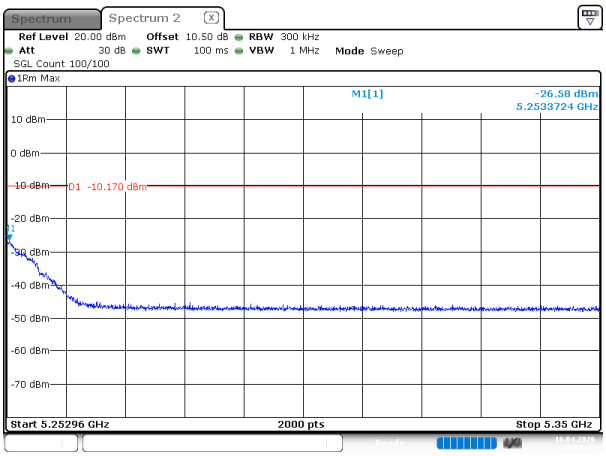
802.11a_5180MHz



802.11a_5200MHz

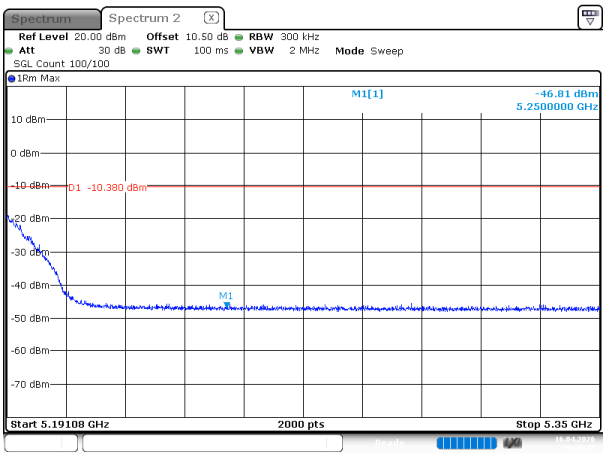


802.11a_5240MHz



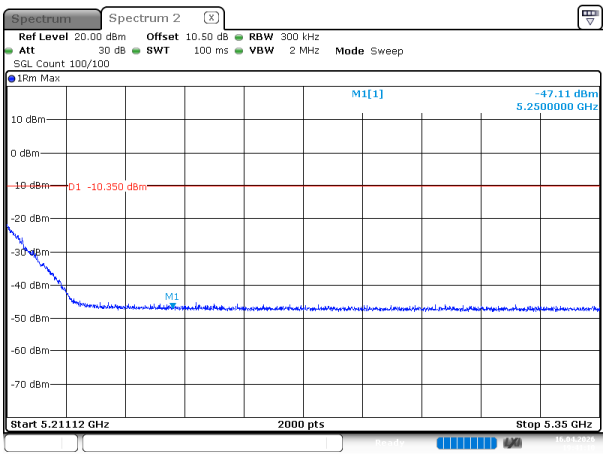
ProjectNo.:2502A93849E-RF Tester:Jeff Wei
Date: 16.APR.2026 18:07:32

802.11n20_5180MHz



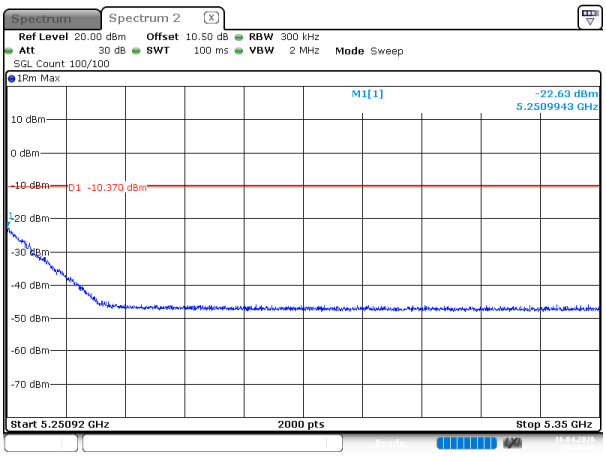
ProjectNo.:2502A93849E-RF Tester:Jeff Wei
Date: 16.APR.2026 19:40:28

802.11n20_5200MHz



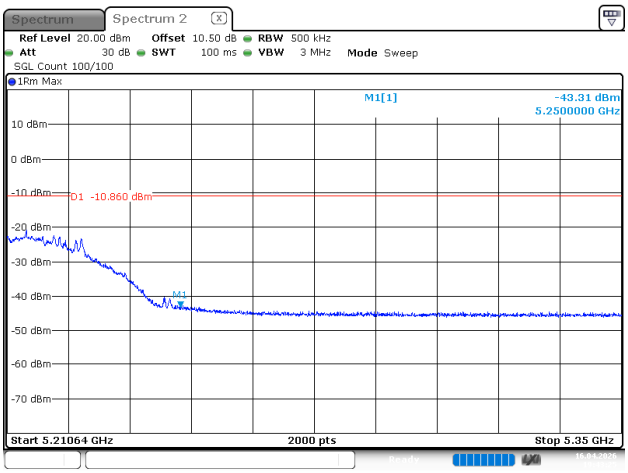
ProjectNo.:2502A93849E-RF Tester:Jeff Wei
Date: 16.APR.2026 19:41:10

802.11n20_5240MHz



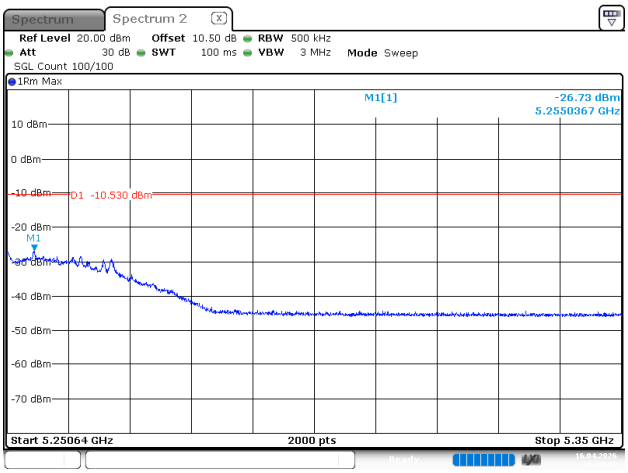
ProjectNo.:2502A93849E-RF Tester:Jeff Wei
Date: 16.APR.2026 19:42:30

802.11n40_5190MHz



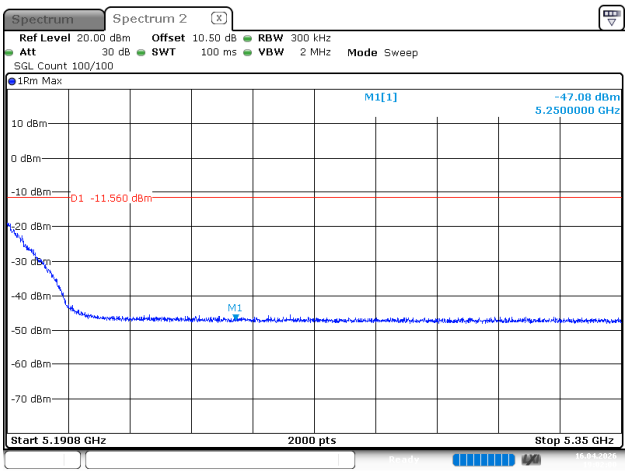
ProjectNo.:2502A93849E-RF Tester:Jeff Wei
Date: 16.APR.2026 19:43:26

802.11n40_5230MHz



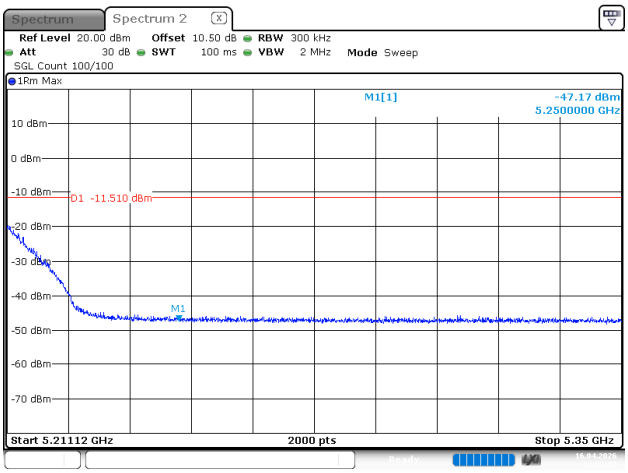
ProjectNo.:2502A93849E-RF Tester:Jeff Wei
Date: 16.APR.2026 19:44:36

802.11ac20_5180MHz



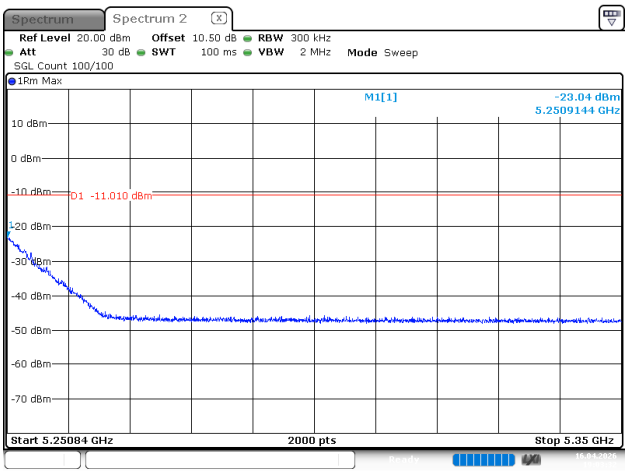
ProjectNo.:2502A93849E-RF Tester:Jeff Wei
Date: 16.APR.2026 19:02:00

802.11ac20_5200MHz



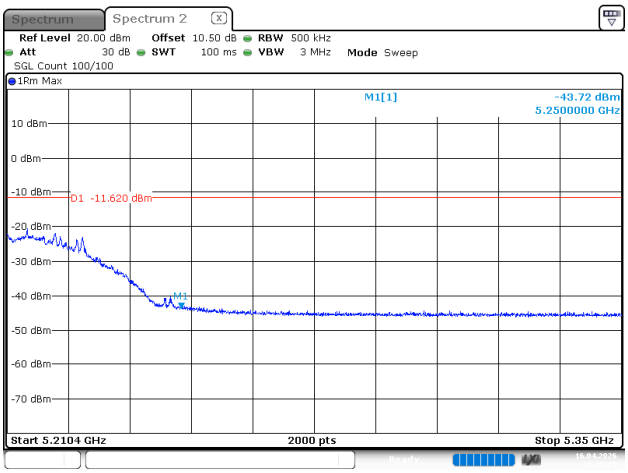
ProjectNo.:2502A93849E-RF Tester:Jeff Wei
Date: 16.APR.2026 19:02:47

802.11ac20_5240MHz



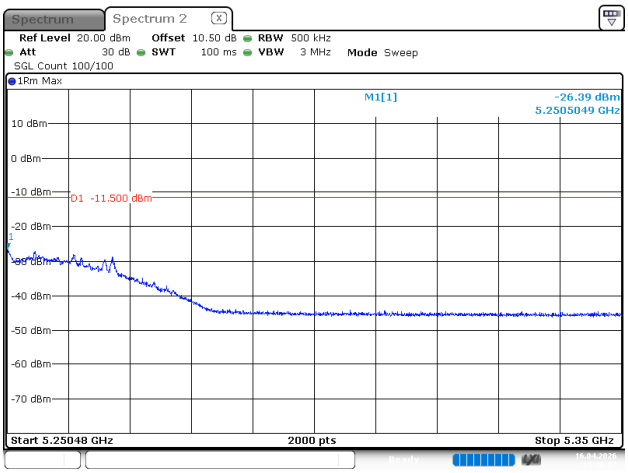
ProjectNo.:2502A93849E-RF Tester:Jeff Wei
Date: 16.APR.2026 19:03:32

802.11ac40_5190MHz



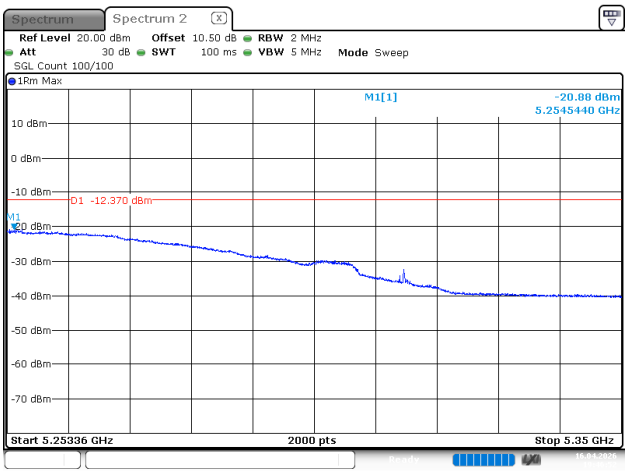
ProjectNo.:2502A93849E-RF Tester:Jeff Wei
Date: 16.APR.2026 19:45:29

802.11ac40_5230MHz



ProjectNo.:2502A93849E-RF Tester:Jeff Wei
Date: 16.APR.2026 19:46:08

802.11ac80_5210MHz



ProjectNo.:2502A93849E-RF Tester:Jeff Wei
Date: 16.APR.2026 19:46:52

5.4 Spot Check With Maximum Conducted Output Power

Test Information:

Serial No.:	3FG3-2	Test Date:	2026/1/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jeff Wei	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	25.8	**Relative Humidity: (%)**	31	**ATM Pressure: (kPa)**	101.3

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Coaxial Attenuator	10dB	F-08-EM512	2025/6/6	2026/6/5
Anritsu	Microwave Peak Power Sensor	MA24418A	12618	2025/6/11	2026/6/10

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

5150-5250MHz

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)		EIRP (dBm)	
		Result	FCC Limit	Result	RSS 247 Limit
802.11a	5180	15.30	24	12.53	22.27
	5200	15.40	24	12.63	22.27
	5240	15.68	24	12.91	22.27
Note: The device is a client device.					

5250-5350MHz

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)			EIRP (dBm)	
		Result	FCC Limit	RSS 247 Limit	Result	RSS 247 Limit
802.11a	5260	15.56	24	23.27	13.59	29.27
	5300	15.42	24	23.27	13.45	29.27
	5320	15.62	24	23.26	13.65	29.26

5470-5725MHz

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)			EIRP (dBm)	
		Result	FCC Limit	RSS 247 Limit	Result	RSS 247 Limit
802.11a	5500	15.35	24	23.26	13.83	29.26
	5580	15.26	24	23.26	13.74	29.26
	5700	15.34	24	23.26	13.82	29.26

5725-5850MHz

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	FCC&RSS 247 Limit
802.11a	5745	15.43	30
	5785	15.33	30
	5825	15.38	30

Note:
The Spot Check data were similar to the original data.

5.5 Duty Cycle

Test Information:

Serial No.:	3FG3-2	Test Date:	2026/03/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jeff Wei	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	26.8	Relative Humidity: (%)	29	ATM Pressure: (kPa)	101.3

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2025/06/06	2026/06/05
R&S	Spectrum Analyzer	FSV40	101461	2025/08/03	2026/08/02

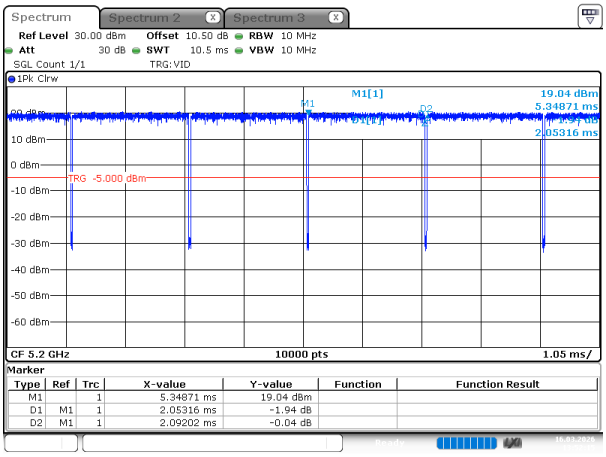
** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

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	2.053	2.092	98.14	/	/	0.010
802.11n20	5200	1.912	1.953	97.90	0.09	523	1
802.11n40	5190	0.943	0.980	96.22	0.17	1060	2
802.11ac20	5200	1.923	1.960	98.11	/	/	0.010
802.11ac40	5190	0.942	0.978	96.32	0.16	1062	2
802.11ac80	5210	0.449	0.485	92.58	0.33	2227	3

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

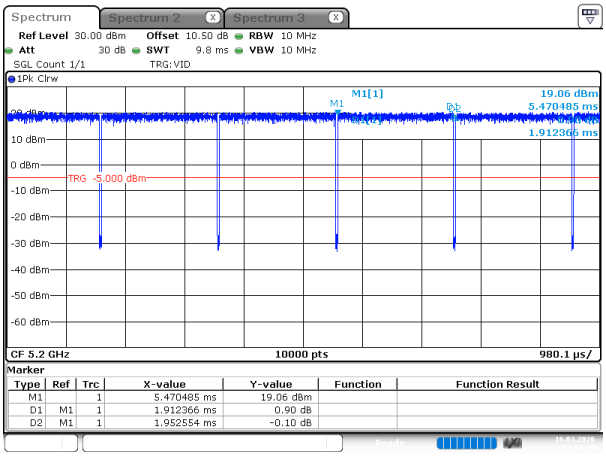
802.11a_5200MHz



ProjectNo.:2502A93849E-RF Tester:Jeff Wei

Date: 16.MAR.2026 13:52:15

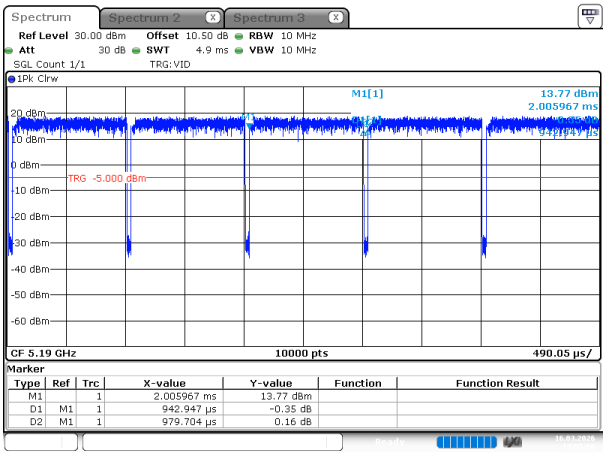
802.11n20_5200MHz



ProjectNo.:2502A93849E-RF Tester:Jeff Wei

Date: 16.MAR.2026 13:53:25

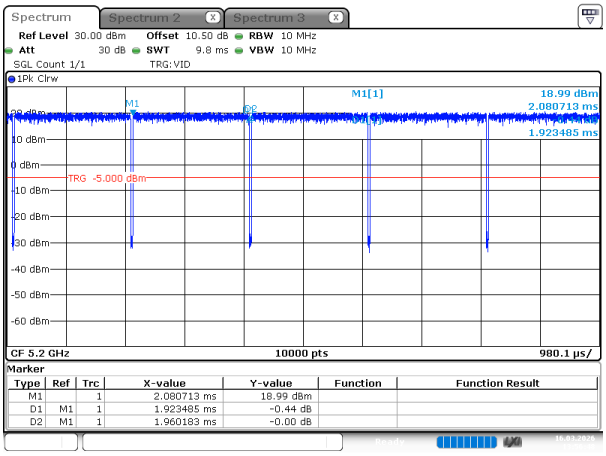
802.11n40_5190MHz



ProjectNo.:2502A93849E-RF Tester:Jeff Wei

Date: 16.MAR.2026 13:55:07

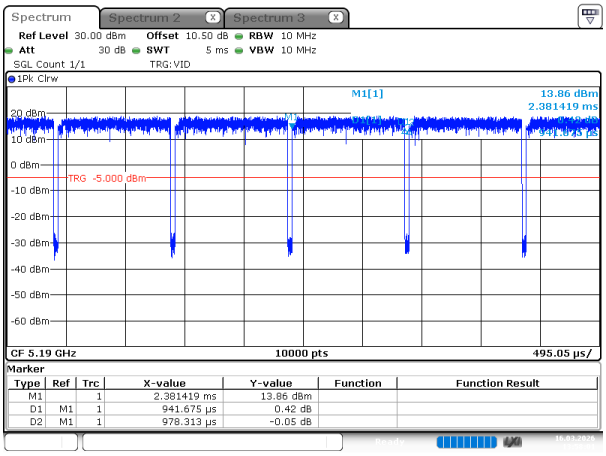
802.11ac20_5200MHz



ProjectNo.:2502A93849E-RF Tester:Jeff Wei

Date: 16.MAR.2026 13:56:48

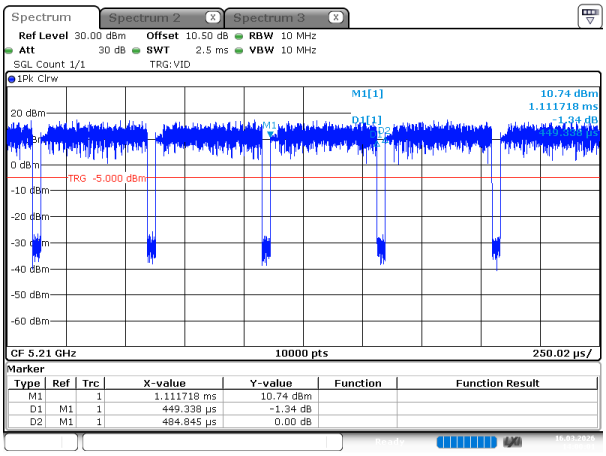
802.11ac40_5190MHz



ProjectNo.:2502A93849E-RF Tester:Jeff Wei

Date: 16.MAR.2026 13:58:02

802.11ac80_5210MHz



ProjectNo.:2502A93849E-RF Tester:Jeff Wei

Date: 16.MAR.2026 14:00:01

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2502A93849E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2502A93849E-RF-INP EUT INTERNAL PHOTOGRAPHS.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2502A93849E-RF-00E-TSP TEST SETUP PHOTOGRAPHS.

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