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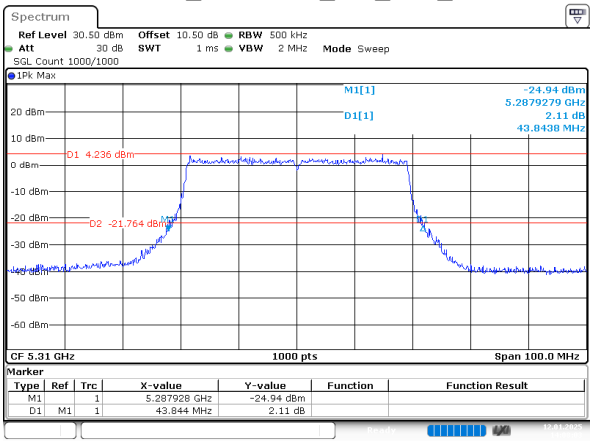
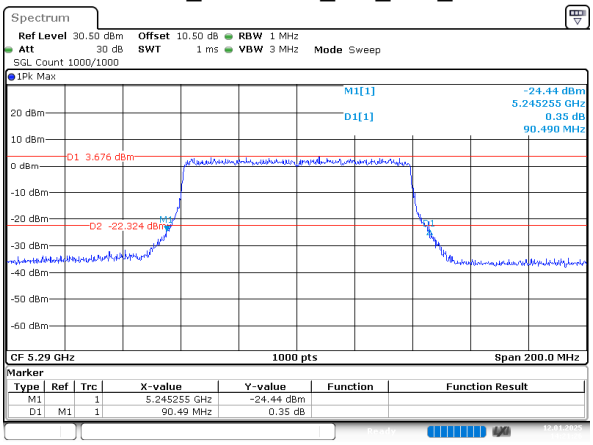


ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 14:08:03

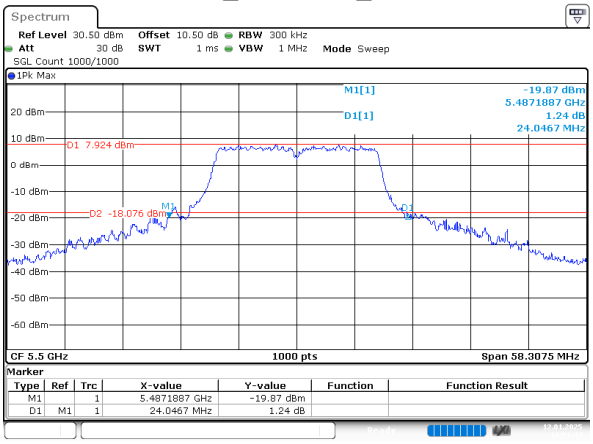
802.11ax80_5290MHz_RU_Full_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 14:21:26

5470-5725MHz

802.11a_5500MHz_Chain 0



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Date: 12.JAN.2025 10:51:47

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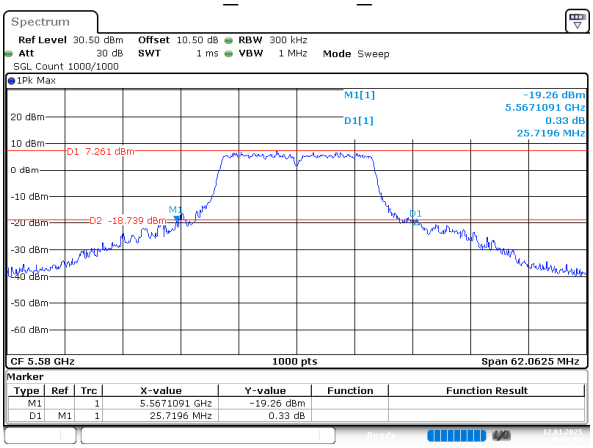

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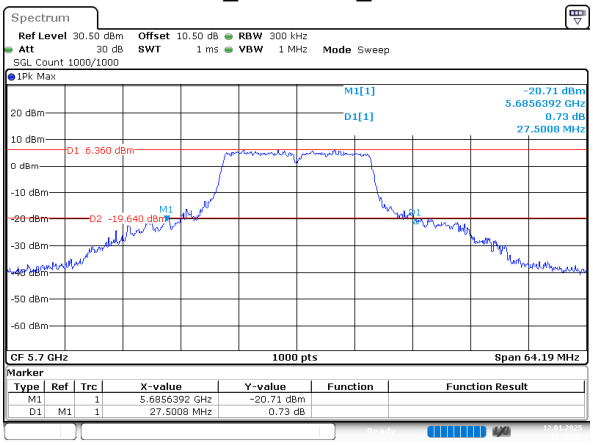
Date: 12.JAN.2025 10:46:53

802.11a_5700MHz_Chain 0



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Date: 12.JAN.2025 10:48:27

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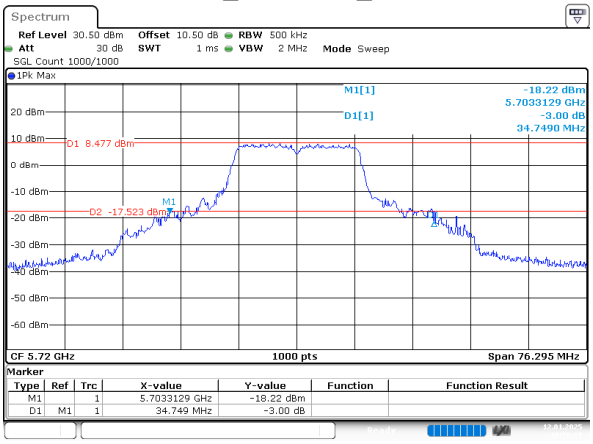

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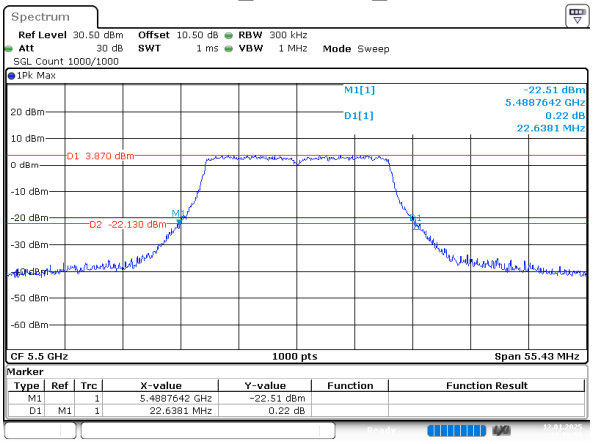
Date: 12.JAN.2025 10:50:17

802.11n20_5500MHz_Chain 0



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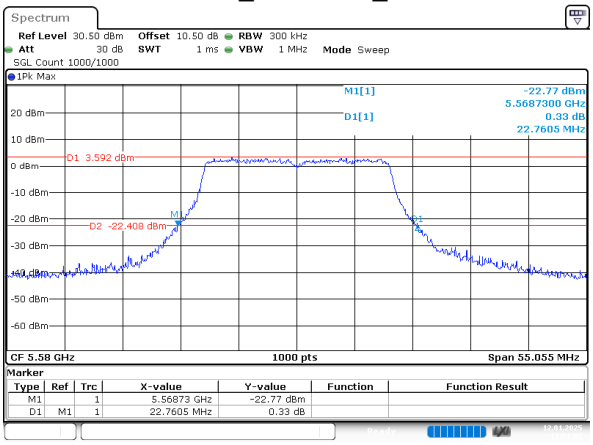

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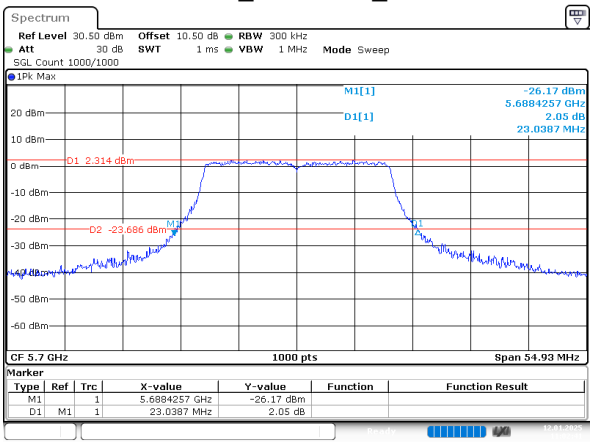
Date: 12.JAN.2025 11:01:05

802.11n20_5700MHz_Chain 0



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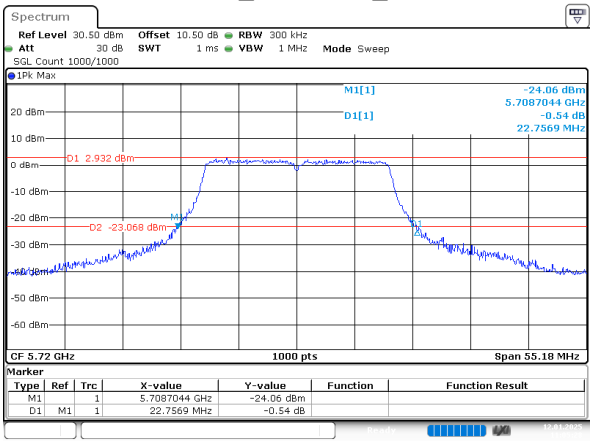
Date: 12.JAN.2025 11:02:41

802.11n20_5720MHz_Chain 0



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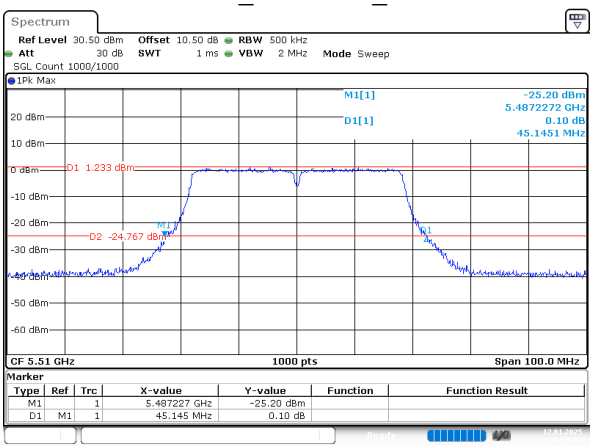
Date: 12.JAN.2025 11:05:28

802.11n40_5510MHz_Chain 0



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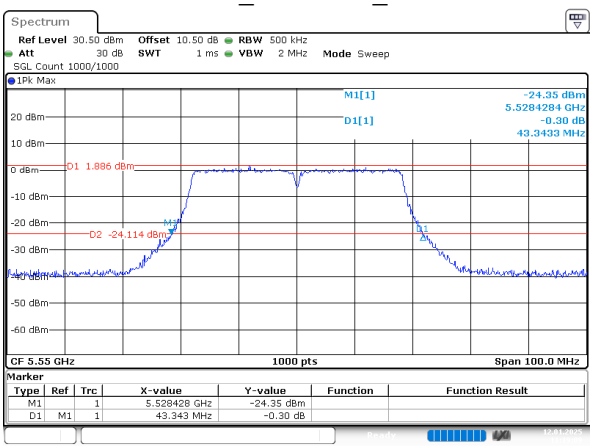
Date: 12.JAN.2025 11:25:04

802.11n40_5550MHz_Chain 0



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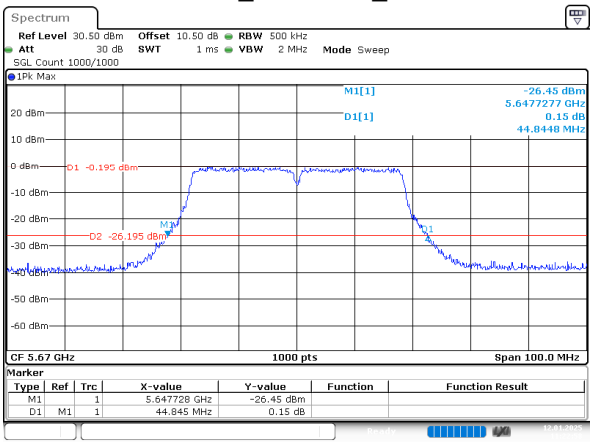
Date: 12.JAN.2025 11:19:09

802.11n40_5670MHz_Chain 0



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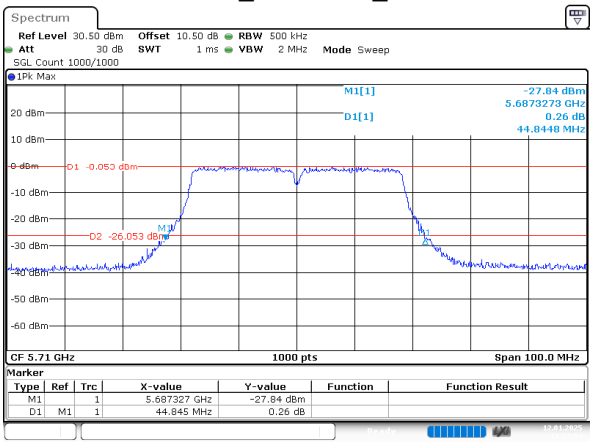
Date: 12.JAN.2025 11:22:58

802.11n40_5710MHz_Chain 0



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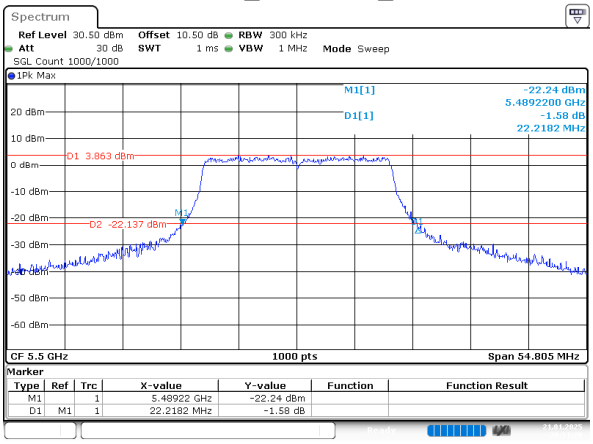
Date: 12.JAN.2025 11:23:54

802.11ac20_5500MHz_Chain 0



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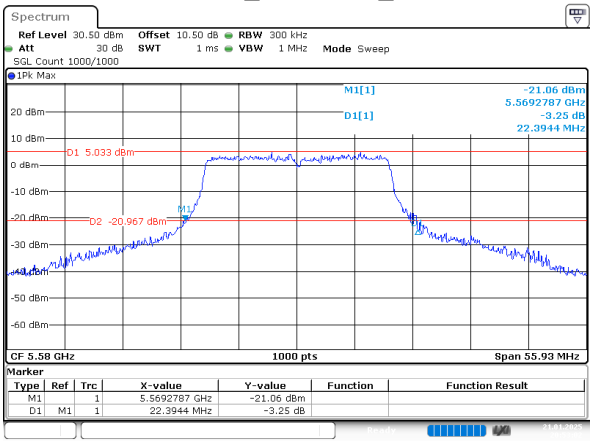
Date: 21.JAN.2025 20:51:21

802.11ac20_5580MHz_Chain 0



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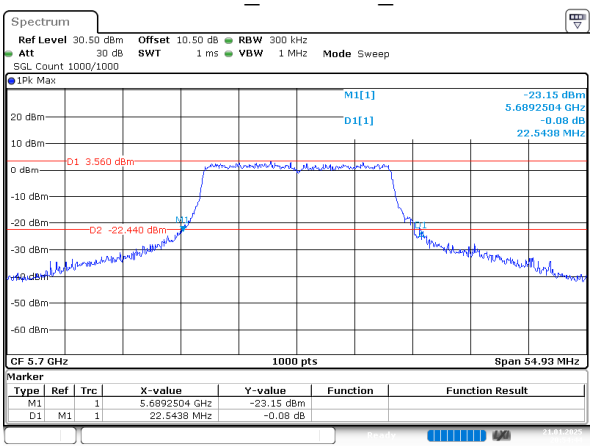
Date: 21.JAN.2025 20:53:02

802.11ac20_5700MHz_Chain 0



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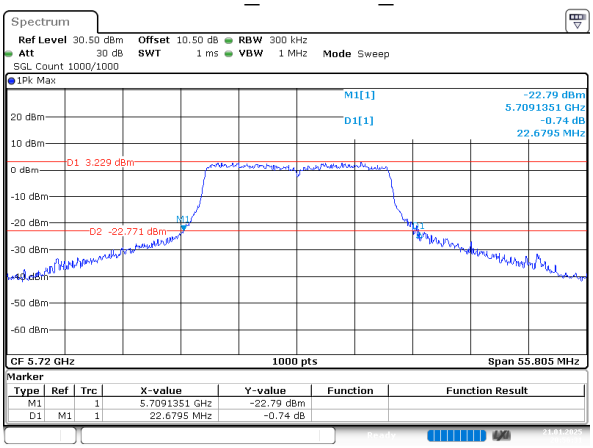
Date: 21.JAN.2025 20:54:44

802.11ac20_5720MHz_Chain 0



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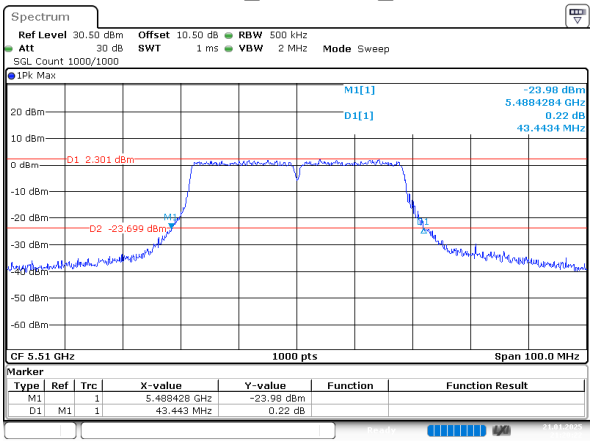
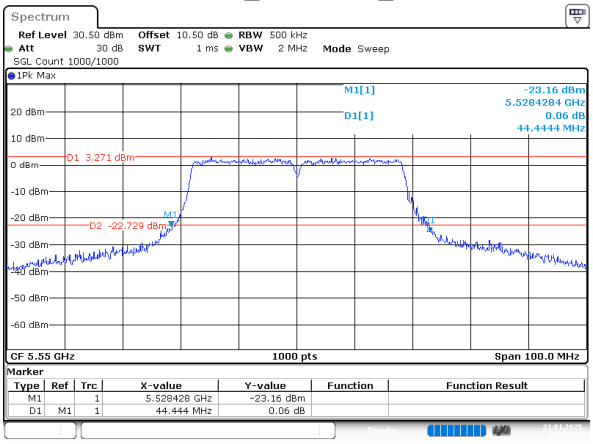
Date: 21.JAN.2025 20:56:31

802.11ac40_5510MHz_Chain 0



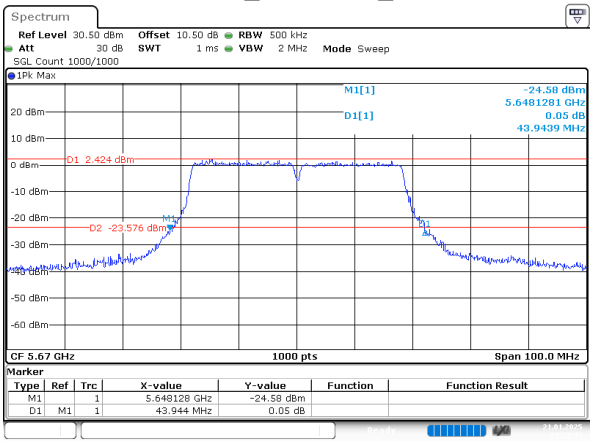
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 21:20:23

802.11ac40_5550MHz_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 21:21:27

802.11ac40_5670MHz_Chain 0



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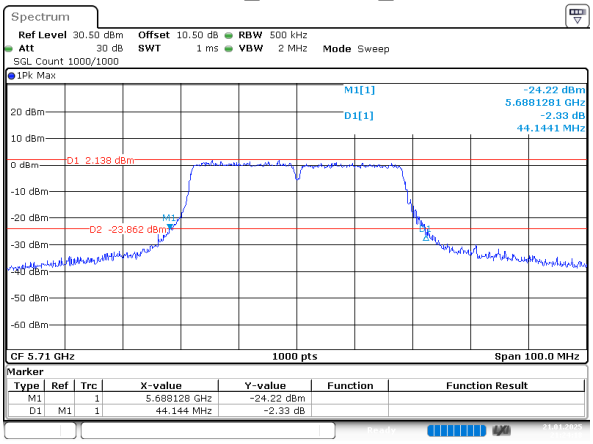
Date: 21.JAN.2025 21:22:42

802.11ac40_5710MHz_Chain 0



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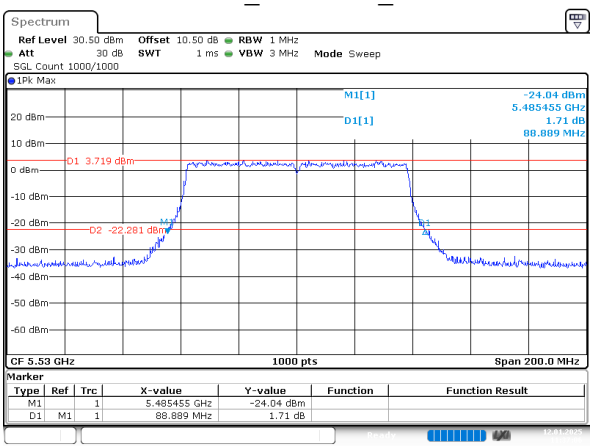
Date: 21.JAN.2025 21:24:18

802.11ac80_5530MHz_Chain 0



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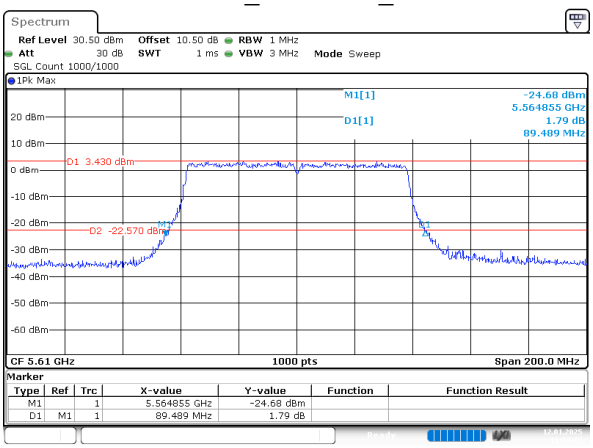
Date: 12.JAN.2025 11:37:06

802.11ac80_5610MHz_Chain 0



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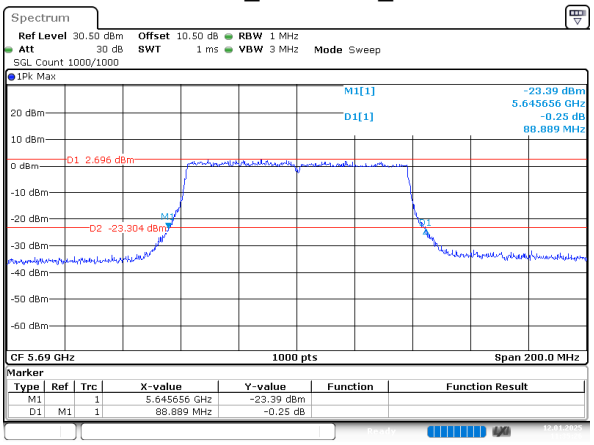
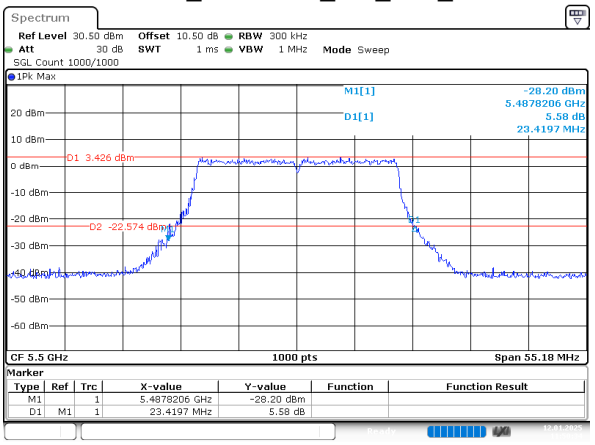
Date: 12.JAN.2025 11:34:15

802.11ac80_5690MHz_Chain 0



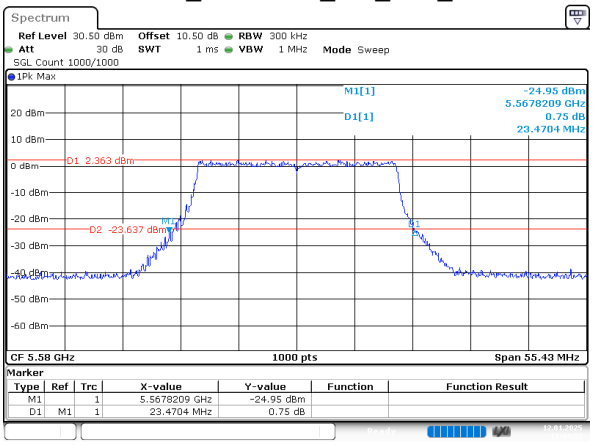
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:35:26

802.11ax20_5500MHz_RU_Full_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:50:35

802.11ax20_5580MHz_RU_Full_Chain 0



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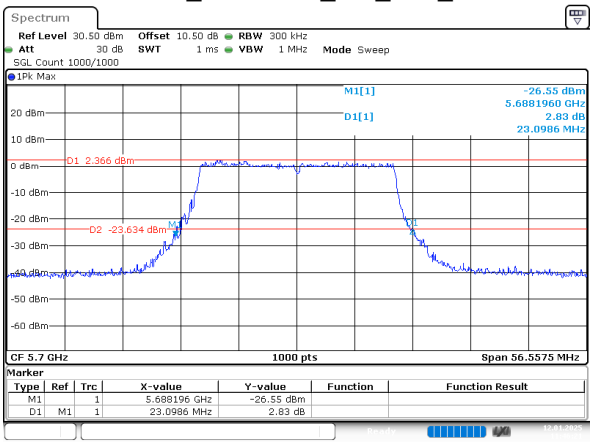
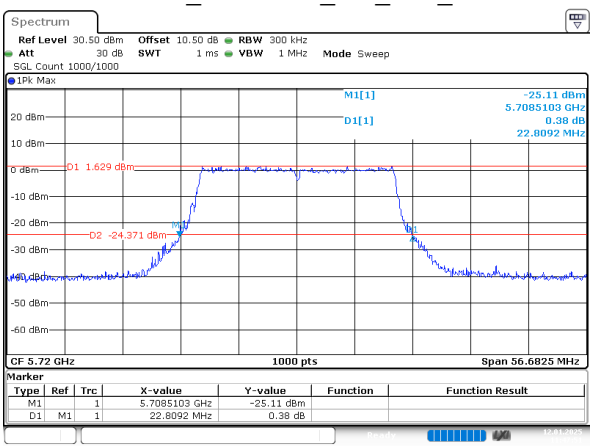
Date: 12.JAN.2025 11:44:55

802.11ax20_5700MHz_RU_Full_Chain 0



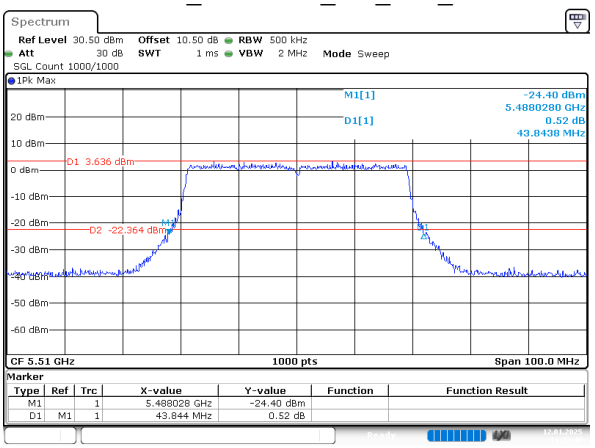
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:46:21

802.11ax20_5720MHz_RU_Full_Chain 0



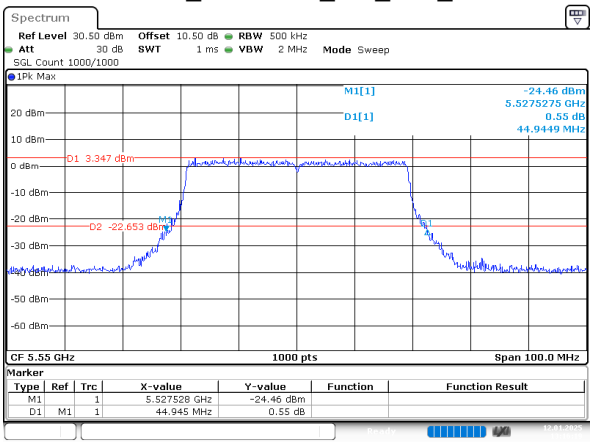
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:47:51

802.11ax40_5510MHz_RU_Full_Chain 0



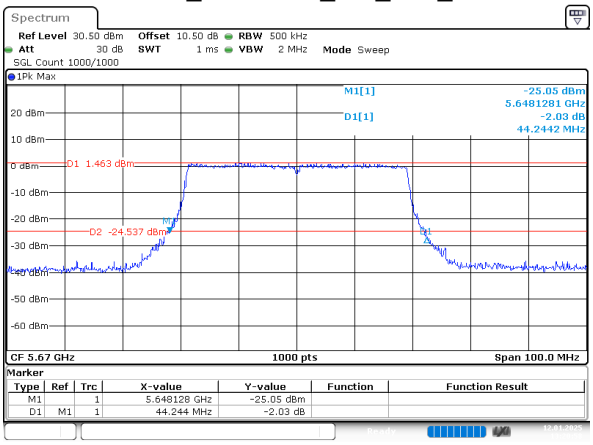
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:22:41

802.11ax40_5550MHz_RU_Full_Chain 0



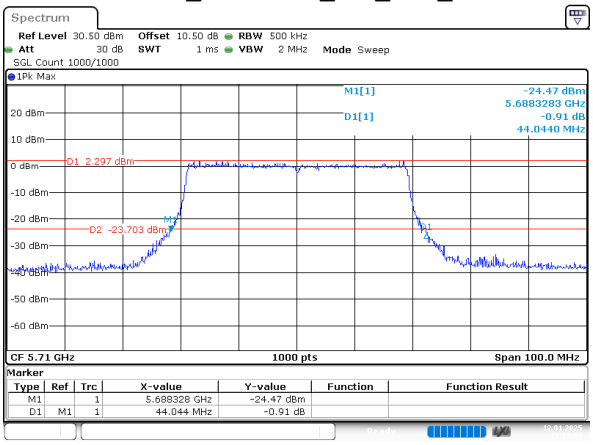
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:16:19

802.11ax40_5670MHz_RU_Full_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:20:58

802.11ax40_5710MHz_RU_Full_Chain 0



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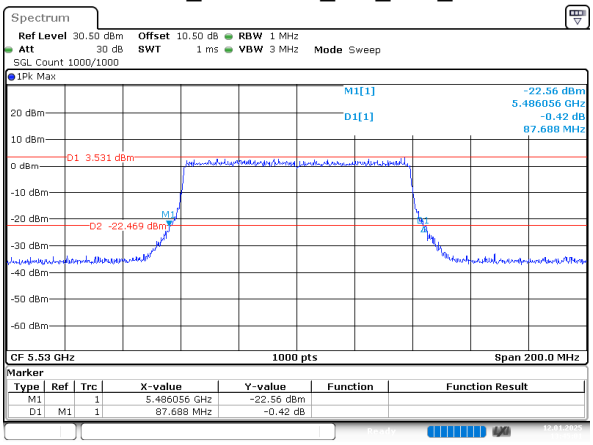
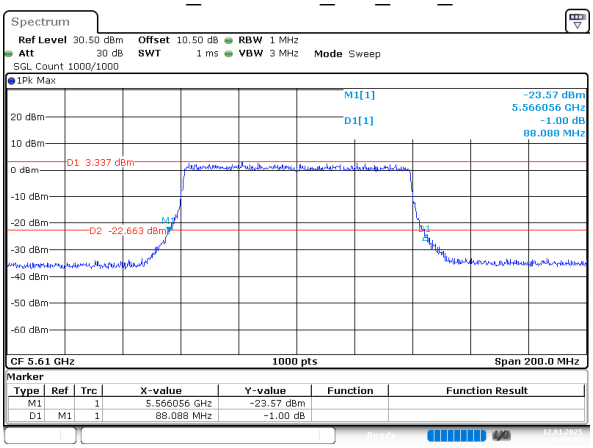
Date: 12.JAN.2025 13:18:59

802.11ax80_5530MHz_RU_Full_Chain 0



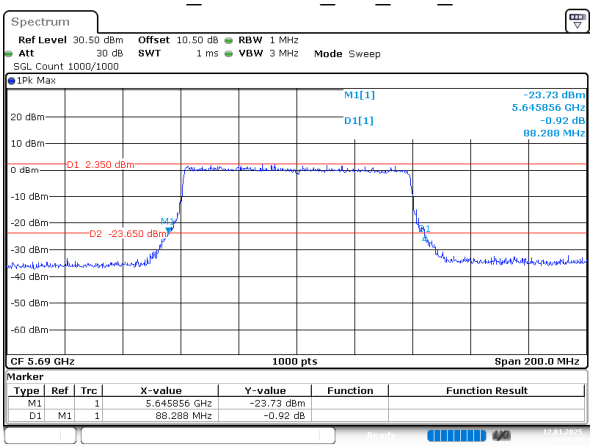
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:45:01

802.11ax80_5610MHz_RU_Full_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:46:06

802.11ax80_5690MHz_RU_Full_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:47:15

5.4 99% Occupied Bandwidth

Test Information:

Serial No.:	2VQP-1	**Test Date:**	2025/01/12~2025/01/21
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Karl Liang	**Test Result:**	/

Environmental Conditions:

Temperature: (°C):	19.2~22.1	**Relative Humidity: (%)**	27~43	**ATM Pressure: (kPa)**	101.0~102.4

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-EM504	2024/06/07	2025/06/06
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04

** 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:

Note: Test only was performed at Chain 0.

5250-5350MHz

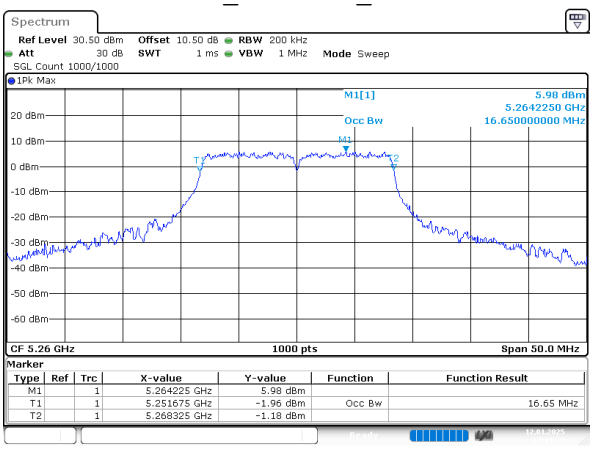
Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	Chain 0	5260	16.650
		5280	16.650
		5320	16.650
802.11n20	Chain 0	5260	17.850
		5280	17.850
		5320	17.800
802.11n40	Chain 0	5270	36.800
		5310	36.700
802.11ac20	Chain 0	5260	17.850
		5280	17.800
		5320	17.800
802.11ac40	Chain 0	5270	36.600
		5310	36.500
802.11ac80	Chain 0	5290	76.600
802.11ax20_RU_Full	Chain 0	5260	19.100
		5280	19.100
		5320	19.050
802.11ax40_RU_Full	Chain 0	5270	38.100
		5310	38.100
802.11ax80_RU_Full	Chain 0	5290	77.800

5470-5725MHz

Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	Chain 0	5500	16.650
		5580	16.700
		5700	16.800
		5720	16.800
802.11n20	Chain 0	5500	17.850
		5580	17.850
		5700	17.850
		5720	17.850
802.11n40	Chain 0	5510	36.700
		5550	36.800
		5670	36.800
		5710	36.800
802.11ac20	Chain 0	5500	17.750
		5580	17.800
		5700	17.800
		5720	17.850
802.11ac40	Chain 0	5510	36.700
		5550	36.700
		5670	36.700
		5710	36.700
802.11ac80	Chain 0	5530	76.400
		5610	76.400
		5690	76.600
802.11ax20_RU_Full	Chain 0	5500	19.100
		5580	19.100
		5700	19.100
		5720	19.100
802.11ax40_RU_Full	Chain 0	5510	38.100
		5550	38
		5670	38.100
		5710	38.200
802.11ax80_RU_Full	Chain 0	5530	77.800
		5610	77.600
		5690	77.800

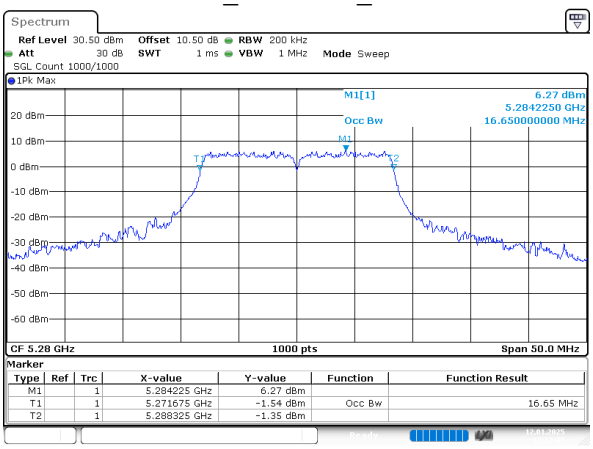
5250-5350MHz

802.11a_5260MHz_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 17:11:20

802.11a_5280MHz_Chain 0



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Date: 12.JAN.2025 17:12:46

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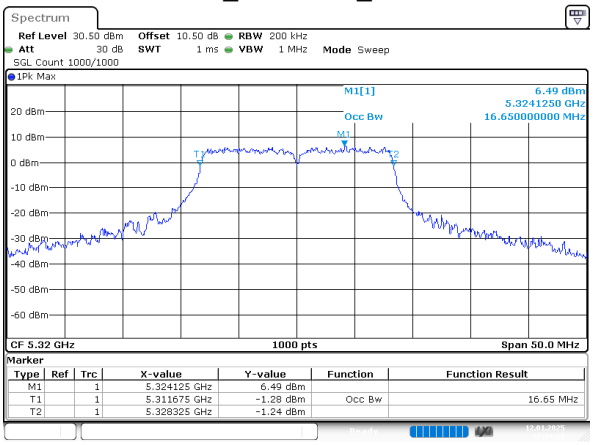

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Date: 12.JAN.2025 17:14:17

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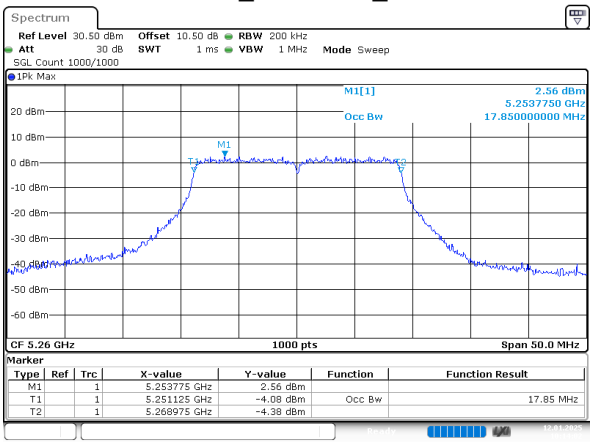

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Date: 12.JAN.2025 10:14:02

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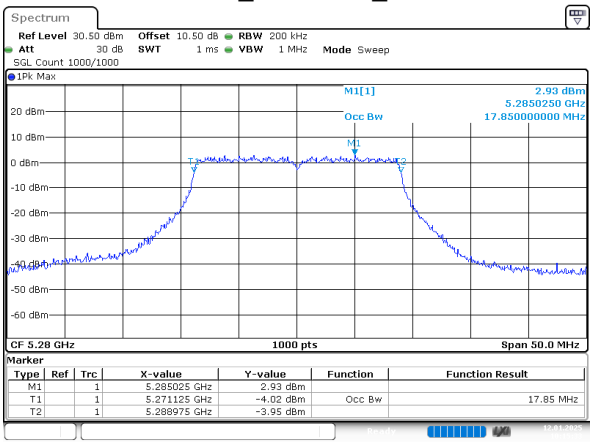

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Date: 12.JAN.2025 10:15:33

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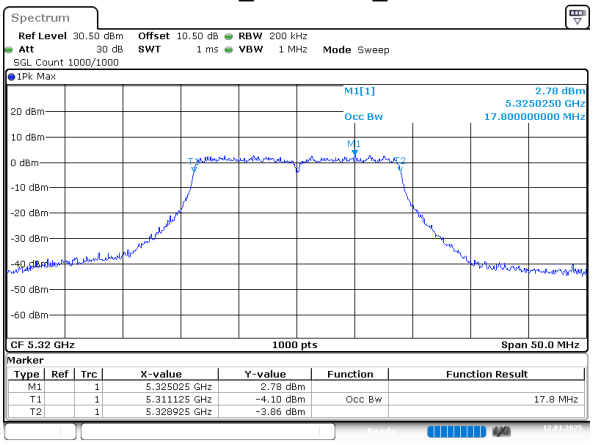

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Date: 12.JAN.2025 10:16:57

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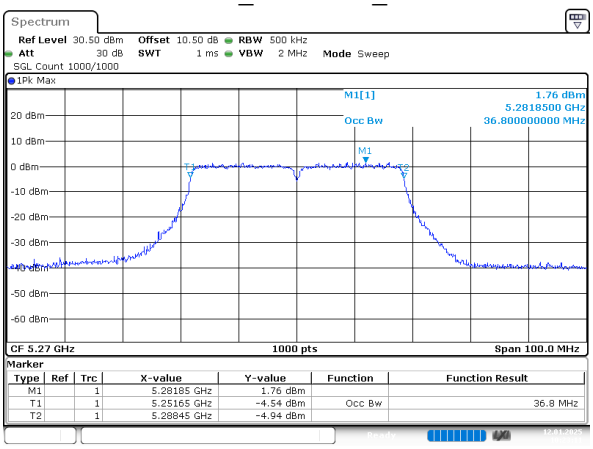

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Date: 12.JAN.2025 10:23:11

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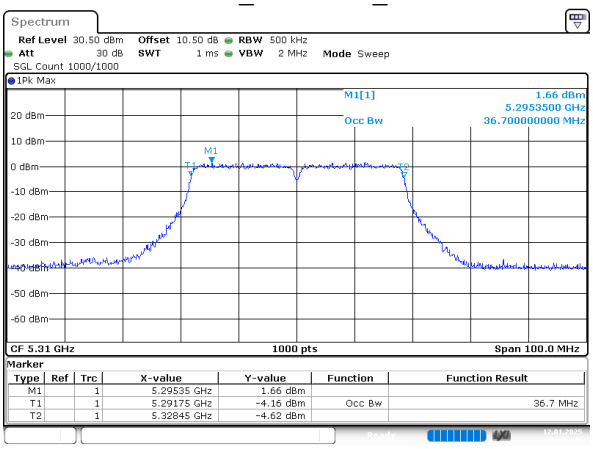

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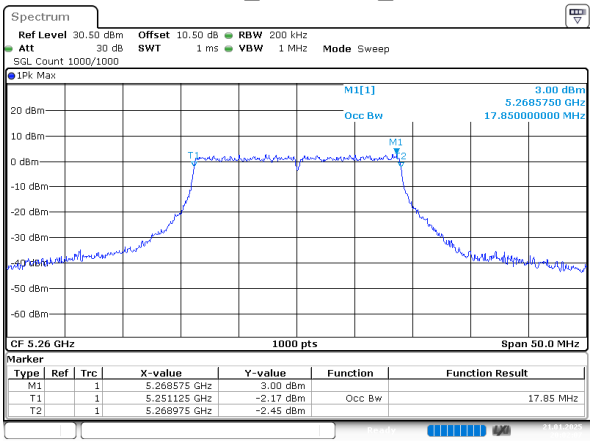
Date: 12.JAN.2025 10:24:15

802.11ac20_5260MHz_Chain 0



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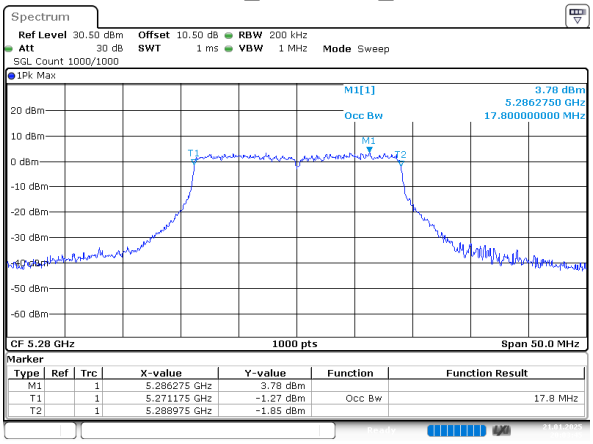

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Date: 21.JAN.2025 20:03:45

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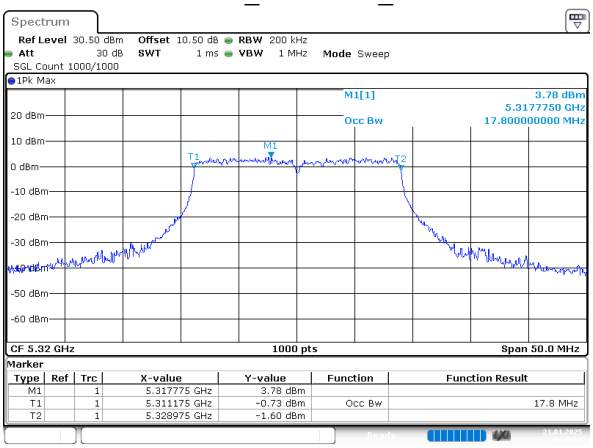

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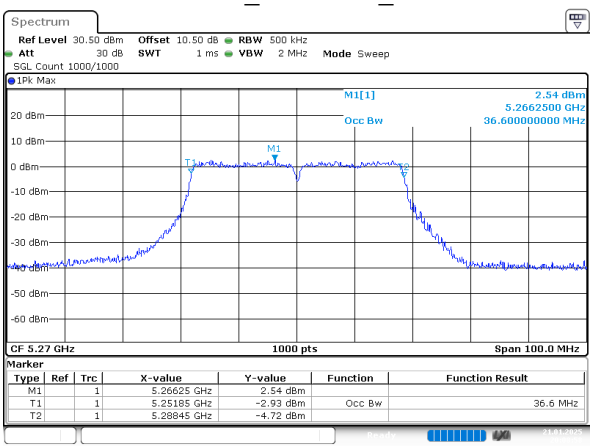
Date: 21.JAN.2025 20:05:11

802.11ac40_5270MHz_Chain 0



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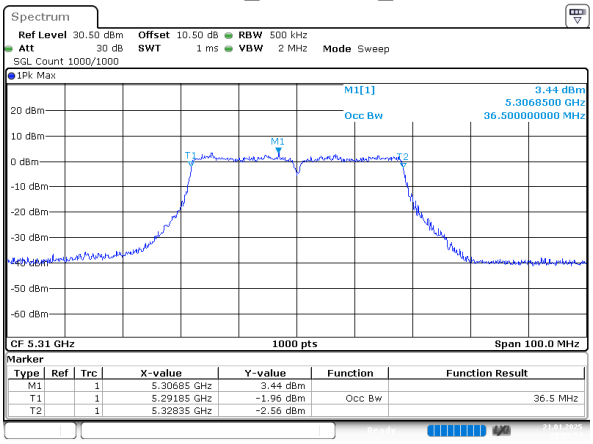
Date: 21.JAN.2025 20:08:58

802.11ac40_5310MHz_Chain 0



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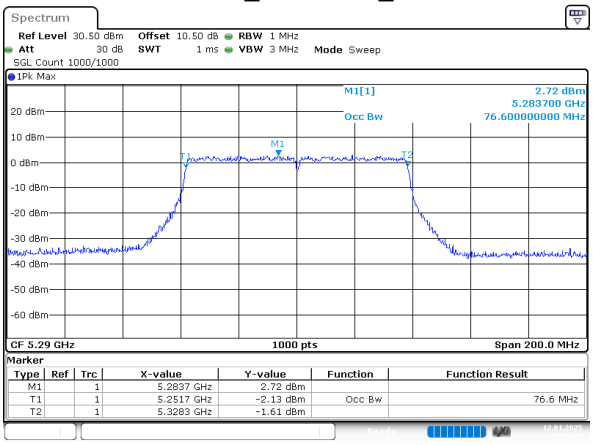
Date: 21.JAN.2025 20:09:54

802.11ac80_5290MHz_Chain 0



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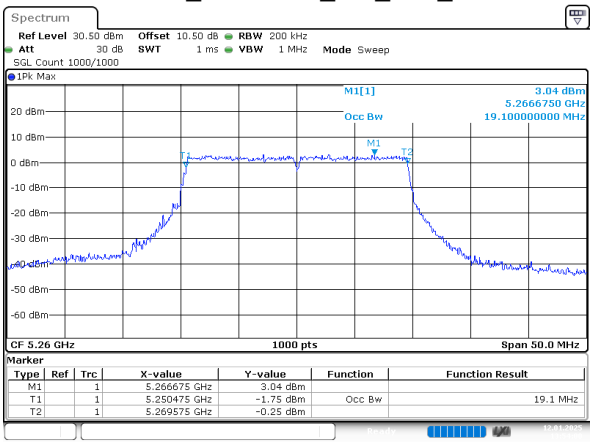

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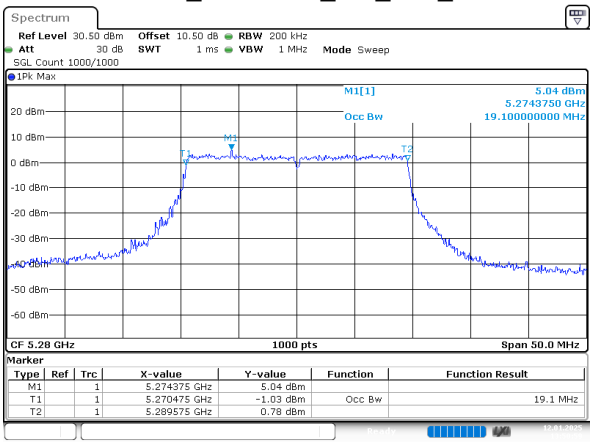
Date: 12.JAN.2025 13:54:00

802.11ax20_5280MHz_RU_Full_Chain 0



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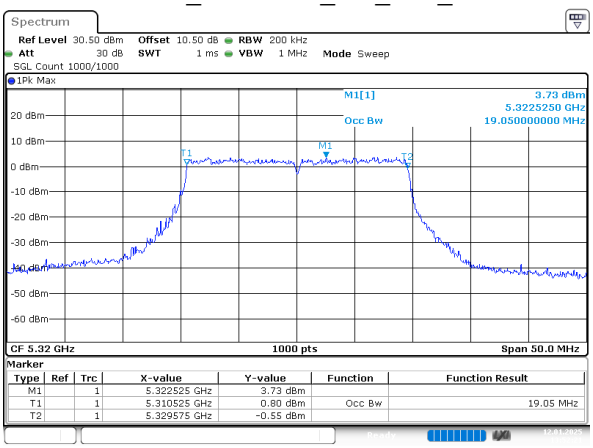

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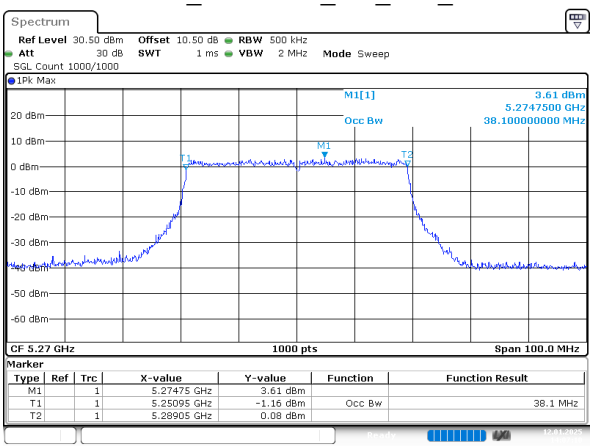

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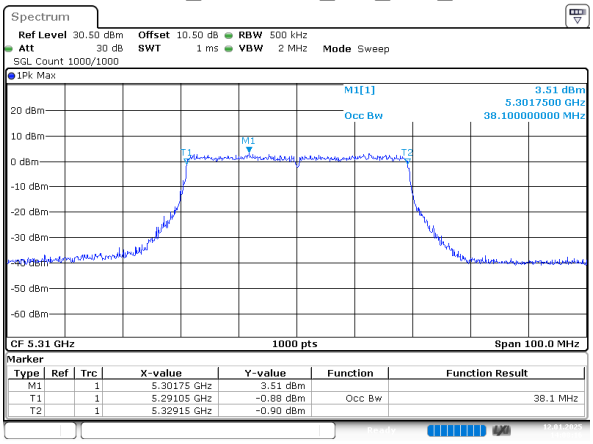

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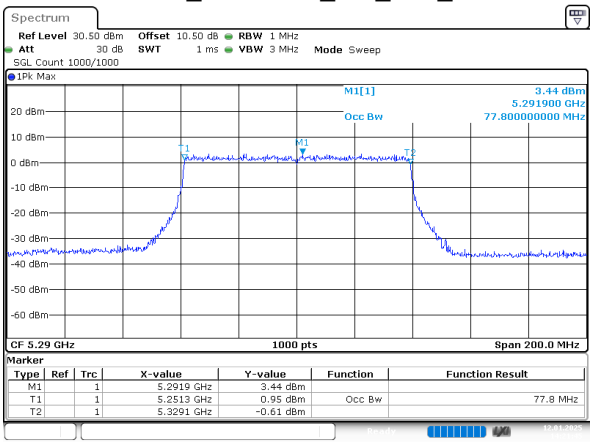

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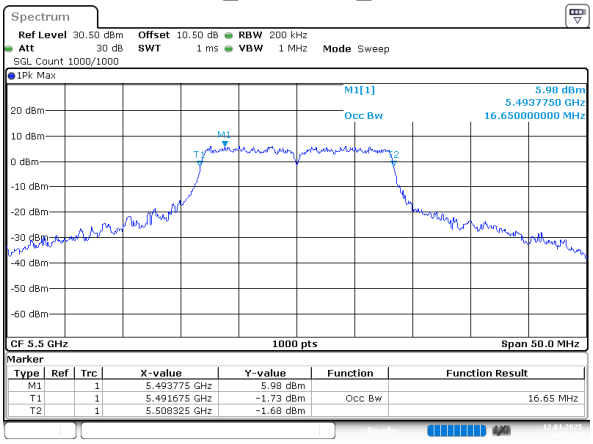
5470-5725MHz

802.11a_5500MHz_Chain 0



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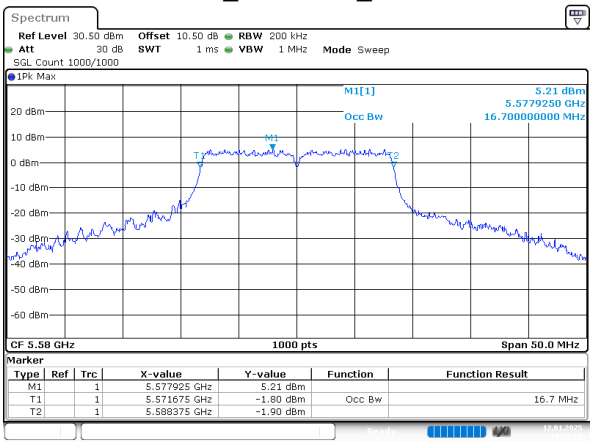

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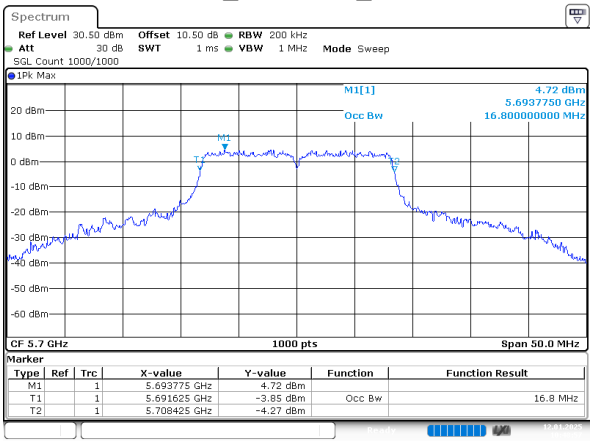
802.11a_5700MHz_Chain 0



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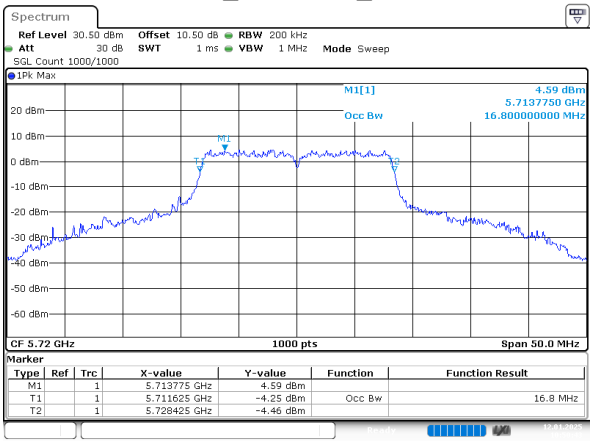
802.11a_5720MHz_Chain 0



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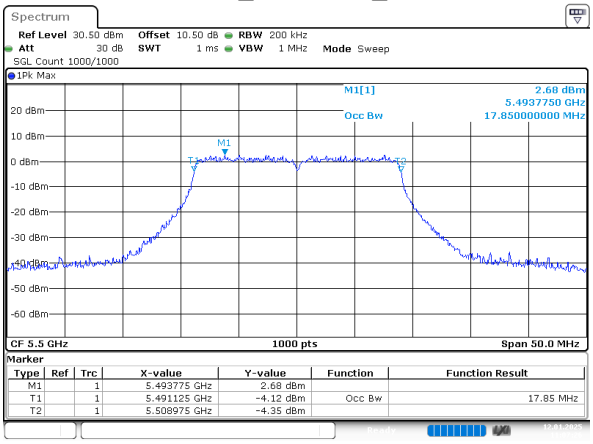

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Date: 12.JAN.2025 11:07:26

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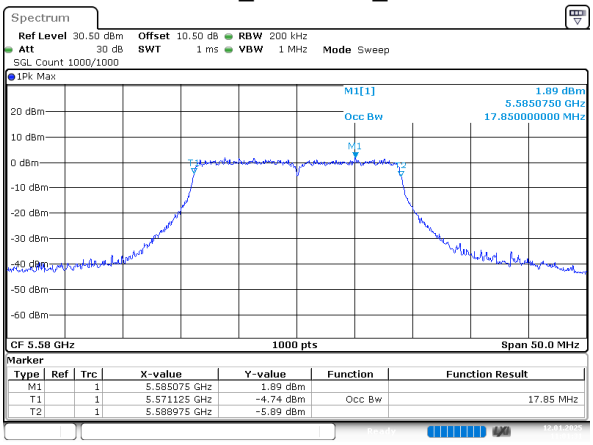

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Date: 12.JAN.2025 11:01:31

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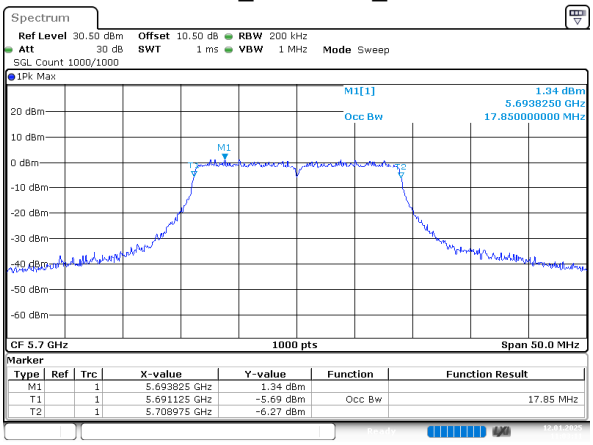

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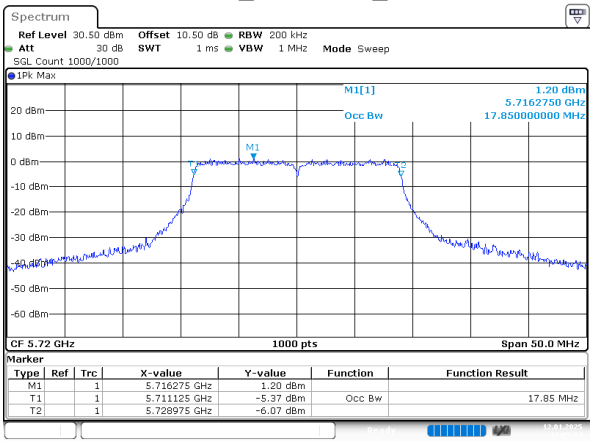
Date: 12.JAN.2025 11:03:11

802.11n20_5720MHz_Chain 0



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Date: 12.JAN.2025 11:05:54

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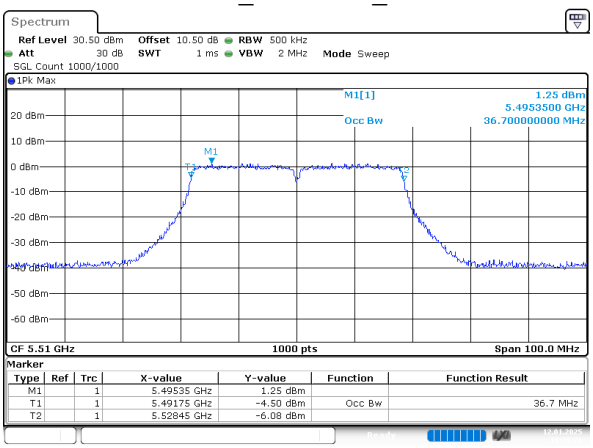

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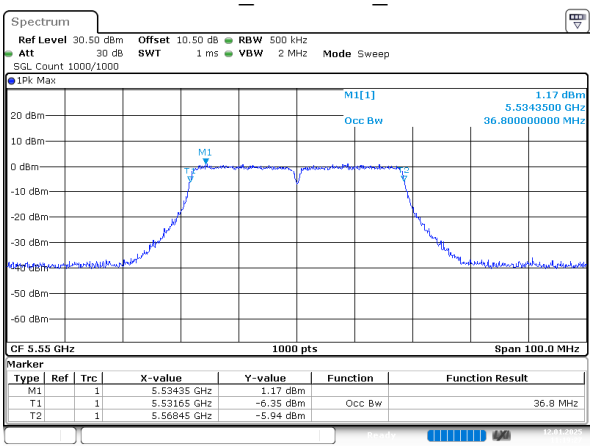
Date: 12.JAN.2025 11:25:21

802.11n40_5550MHz_Chain 0



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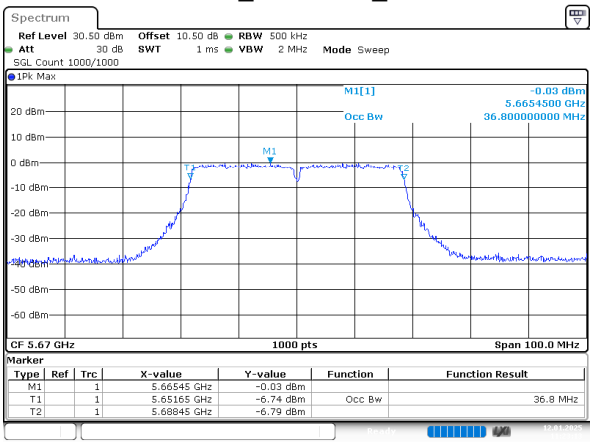
Date: 12.JAN.2025 11:19:27

802.11n40_5670MHz_Chain 0



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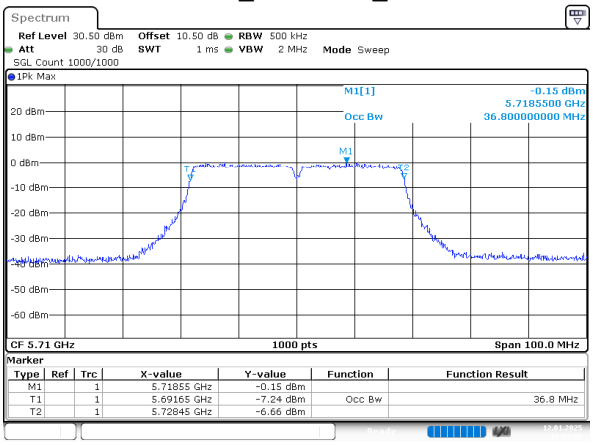
Date: 12.JAN.2025 11:23:13

802.11n40_5710MHz_Chain 0



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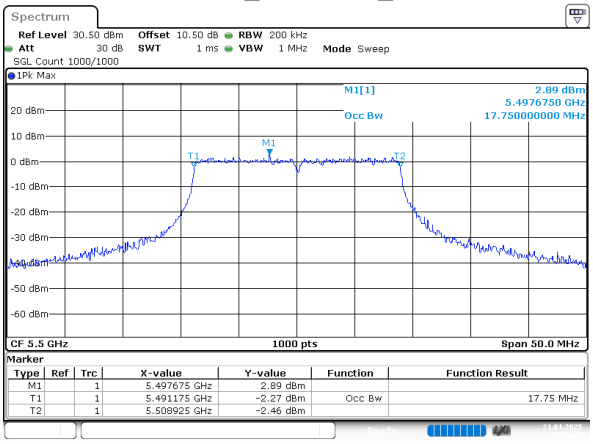
Date: 12.JAN.2025 11:24:08

802.11ac20_5500MHz_Chain 0



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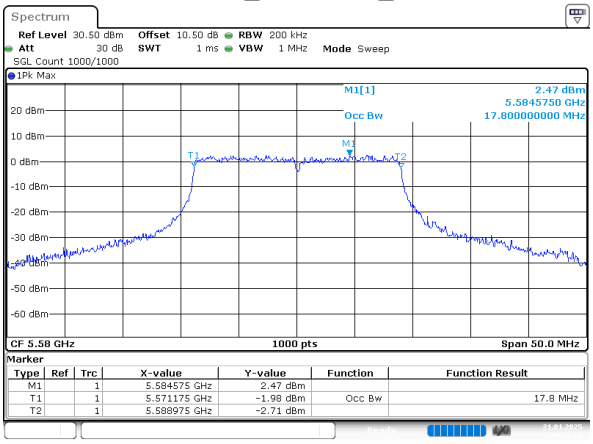
Date: 21.JAN.2025 20:51:49

802.11ac20_5580MHz_Chain 0



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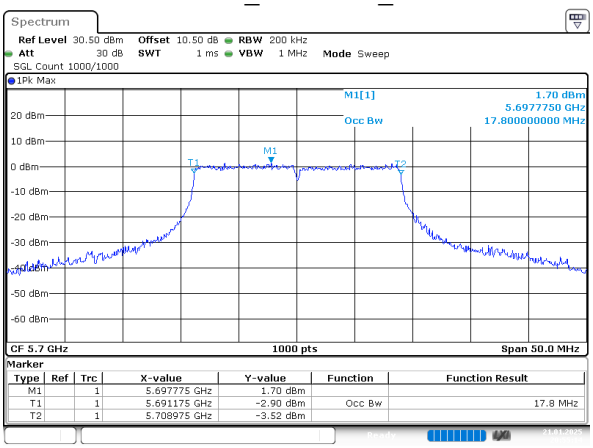
Date: 21.JAN.2025 20:53:28

802.11ac20_5700MHz_Chain 0



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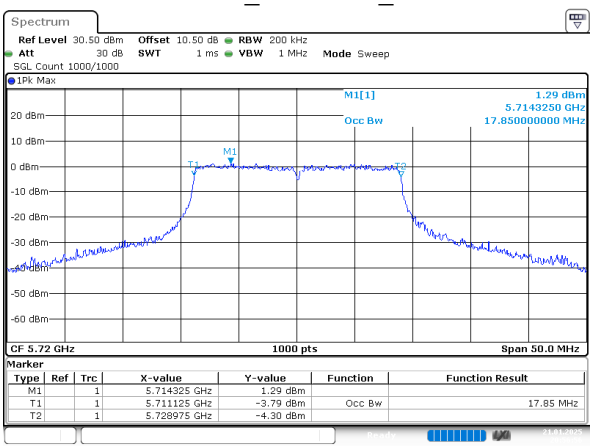
Date: 21.JAN.2025 20:55:14

802.11ac20_5720MHz_Chain 0



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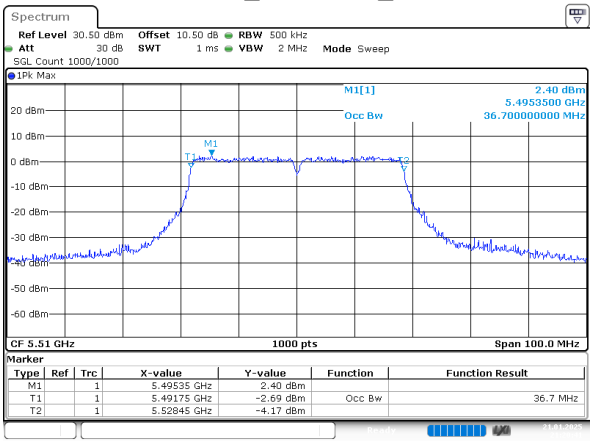
Date: 21.JAN.2025 20:56:56

802.11ac40_5510MHz_Chain 0



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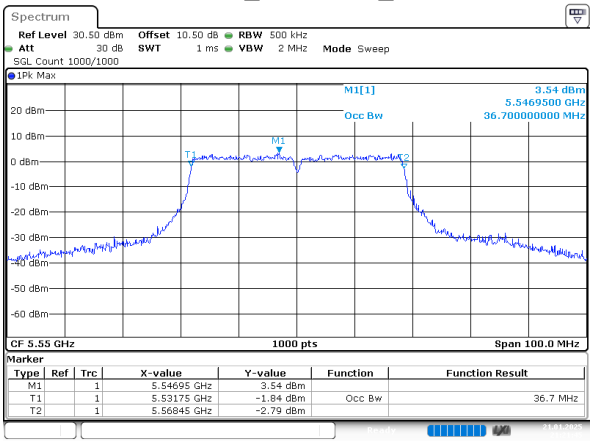
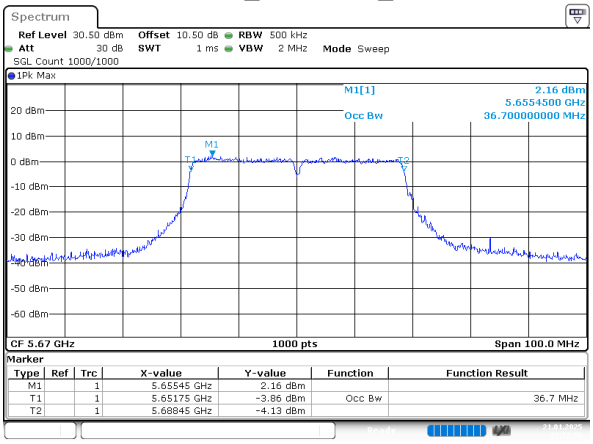
Date: 21.JAN.2025 21:20:41

802.11ac40_5550MHz_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 21:21:45

802.11ac40_5670MHz_Chain 0



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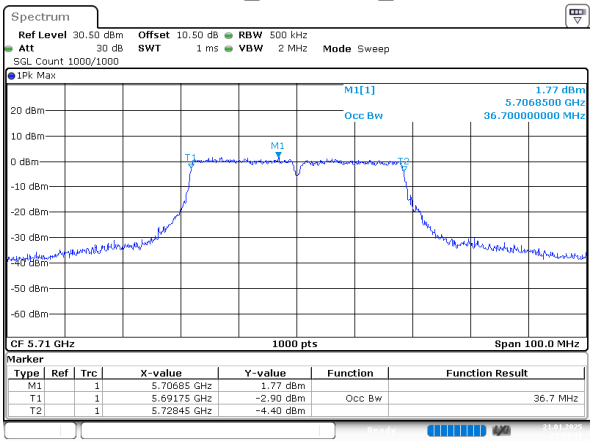
Date: 21.JAN.2025 21:22:56

802.11ac40_5710MHz_Chain 0



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Date: 21.JAN.2025 21:24:31

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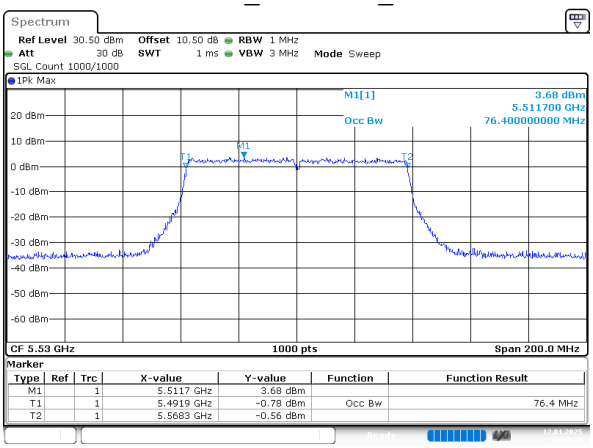

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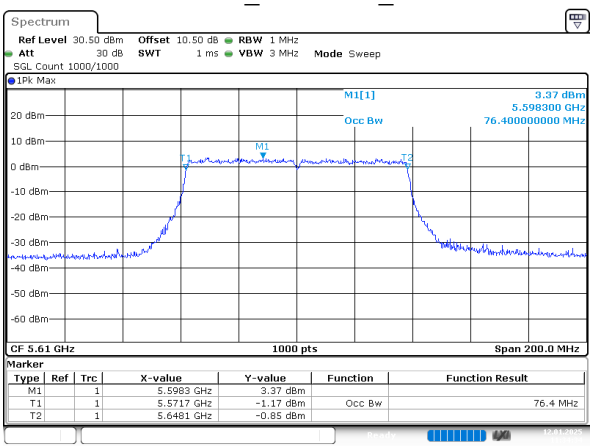
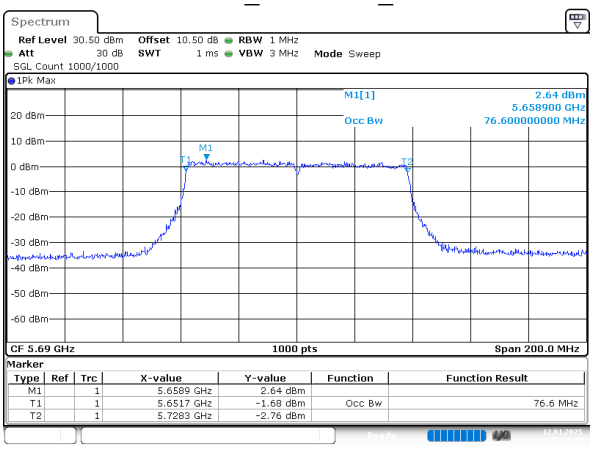
Date: 12.JAN.2025 11:37:23

802.11ac80_5610MHz_Chain 0



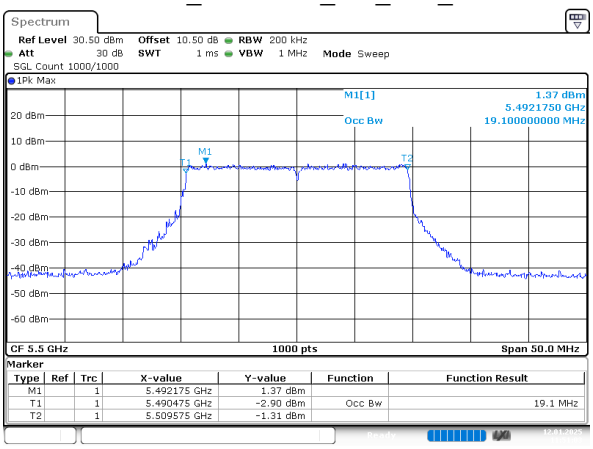
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:34:34

802.11ac80_5690MHz_Chain 0



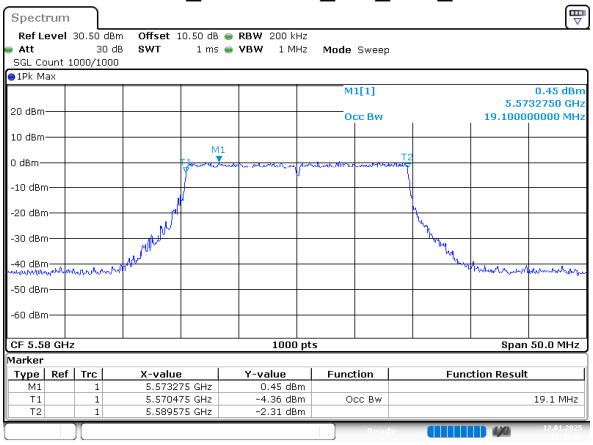
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:35:43

802.11ax20_5500MHz_RU_Full_Chain 0



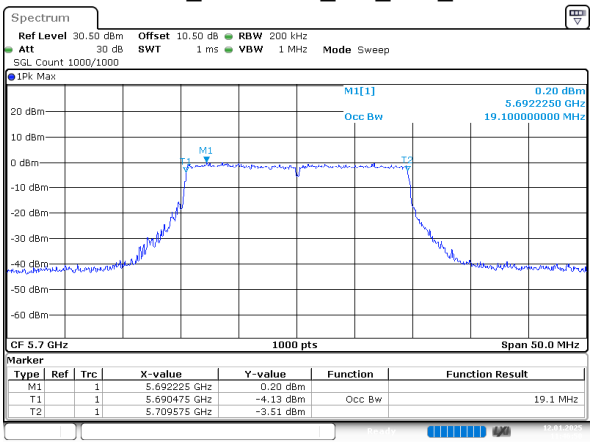
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:51:03

802.11ax20_5580MHz_RU_Full_Chain 0



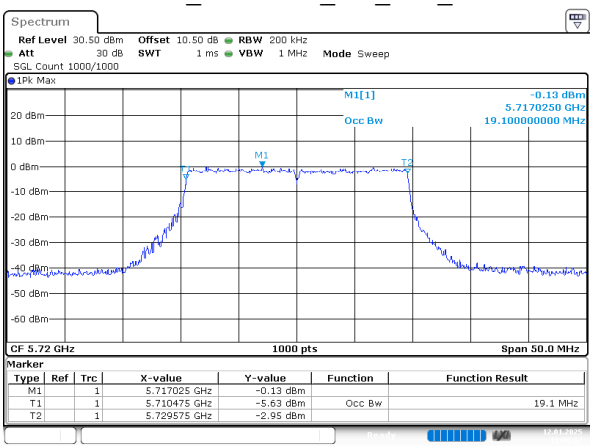
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:45:20

802.11ax20_5700MHz_RU_Full_Chain 0



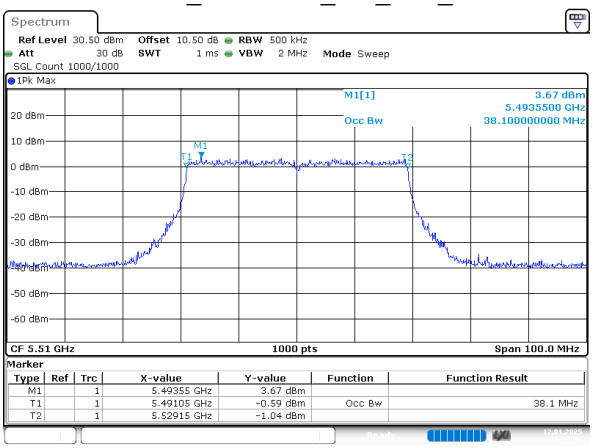
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:46:50

802.11ax20_5720MHz_RU_Full_Chain 0



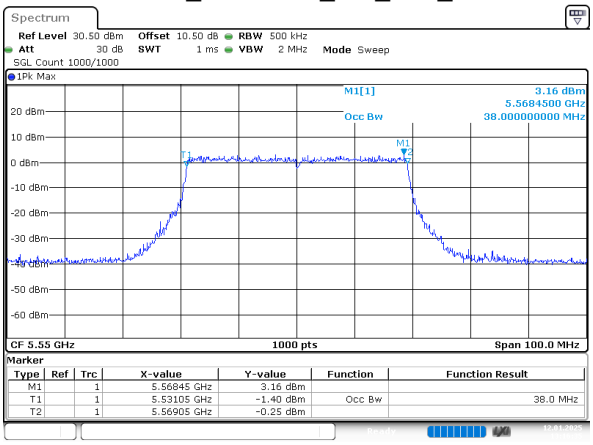
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:48:17

802.11ax40_5510MHz_RU_Full_Chain 0



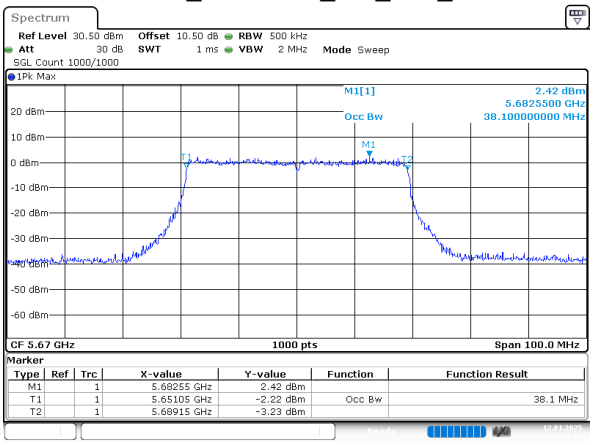
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:22:55

802.11ax40_5550MHz_RU_Full_Chain 0



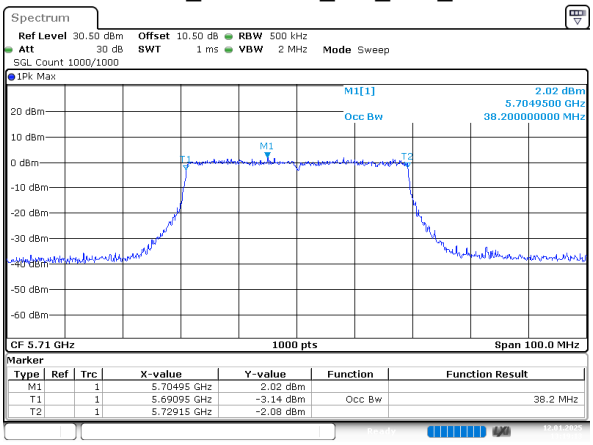
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:16:35

802.11ax40_5670MHz_RU_Full_Chain 0



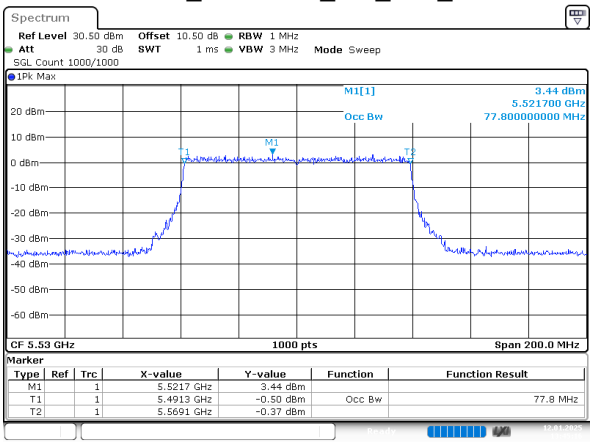
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:21:10

802.11ax40_5710MHz_RU_Full_Chain 0



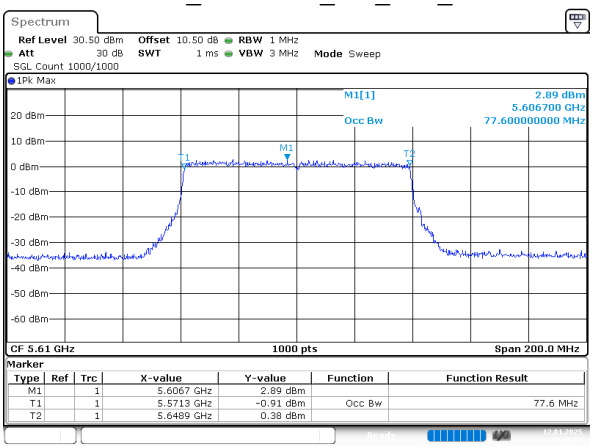
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:19:13

802.11ax80_5530MHz_RU_Full_Chain 0



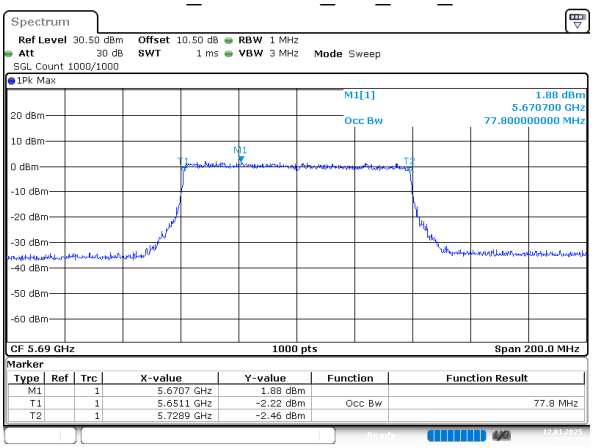
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:45:16

802.11ax80_5610MHz_RU_Full_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:46:24

802.11ax80_5690MHz_RU_Full_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:47:32

5.5 Maximum Conducted Output Power

Test Information:

Serial No.:	2VQP-1	**Test Date:**	2025/01/12~2025/01/21
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Karl Liang	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	19.2~22.1	**Relative Humidity: (%)**	27~43	**ATM Pressure: (kPa)**	101.0~102.4

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-EM504	2024/06/07	2025/06/06
Anritsu	Microwave Peak Power Sensor	MA24418A	12618	2024/8/27	2025/8/26

** 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:

5250-5350MHz

Mode	Antenna	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	RSS 247 Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	Chain 0	5260	16.53	24	23.21	20.85	29.21
		5280	16.68	24	23.21	21	29.21
		5320	16.8	24	23.21	21.12	29.21
	Chain 1	5260	15.65	24	23.21	19.97	29.21
		5280	15.71	24	23.21	20.03	29.21
		5320	15.96	24	23.21	20.28	29.21
802.11n20	Chain 0	5260	13.71	24	23.52	18.03	29.52
		5280	14.03	24	23.52	18.35	29.52
		5320	13.93	24	23.5	18.25	29.5
	Chain 1	5260	15.06	24	23.52	19.38	29.52
		5280	15.3	24	23.52	19.62	29.52
		5320	15.45	24	23.5	19.77	29.5
	Chain 0 +Chain 1	5260	17.45	24	23.52	21.77	29.52
		5280	17.72	24	23.52	22.04	29.52
		5320	17.77	24	23.5	22.09	29.5
802.11n40	Chain 0	5270	11.36	24	24	15.68	30
		5310	11.19	24	24	15.51	30
	Chain 1	5270	12.59	24	24	16.91	30
		5310	12.86	24	24	17.18	30
	Chain 0 +Chain 1	5270	15.03	24	24	19.35	30
		5310	15.12	24	24	19.44	30
802.11ac20	Chain 0	5260	12.93	24	23.52	17.25	29.52
		5280	13.43	24	23.50	17.75	29.50
		5320	13.71	24	23.50	18.03	29.50
	Chain 1	5260	14.36	24	23.52	18.68	29.52
		5280	14.84	24	23.50	19.16	29.50
		5320	15.0	24	23.50	19.32	29.50
	Chain 0 +Chain 1	5260	16.71	24	23.52	21.03	29.52
		5280	17.20	24	23.50	21.52	29.50
		5320	17.41	24	23.50	21.73	29.50
802.11ac40	Chain 0	5270	11.02	24	24	15.34	30
		5310	11.4	24	24	15.72	30
	Chain 1	5270	12.63	24	24	16.95	30
		5310	12.92	24	24	17.24	30
	Chain 0 +Chain 1	5270	14.91	24	24	19.23	30
		5310	15.24	24	24	19.56	30
802.11ac80	Chain 0	5290	11.3	24	24	15.62	30
	Chain 1	5290	12.8	24	24	17.12	30
	Chain 0 +Chain 1	5290	15.12	24	24	19.44	30

Mode	Antenna	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	RSS 247 Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11ax20_ RU_Full	Chain 0	5260	13.02	24	23.81	17.34	29.81
		5280	13.36	24	23.81	17.68	29.81
		5320	13.34	24	23.8	17.66	29.8
	Chain 1	5260	14.47	24	23.81	18.79	29.81
		5280	14.7	24	23.81	19.02	29.81
		5320	14.79	24	23.8	19.11	29.8
	Chain 0 +Chain 1	5260	16.82	24	23.81	21.14	29.81
		5280	17.09	24	23.81	21.41	29.81
		5320	17.14	24	23.8	21.46	29.8
802.11ax40_ RU_Full	Chain 0	5270	10.95	24	24	15.27	30
		5310	11.01	24	24	15.33	30
	Chain 1	5270	12.33	24	24	16.65	30
		5310	12.5	24	24	16.82	30
	Chain 0 +Chain 1	5270	14.70	24	24	19.02	30
		5310	14.83	24	24	19.15	30
802.11ax80_ RU_Full	Chain 0	5290	11.09	24	24	15.41	30
	Chain 1	5290	12.43	24	24	16.75	30
	Chain 0 +Chain 1	5290	14.82	24	24	19.14	30

5470-5725MHz

Mode	Antenna	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	RSS 247 Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	Chain 0	5500	16.53	24	23.21	20.85	29.21
		5580	15.82	24	23.23	20.14	29.23
		5700	15.05	24	23.25	19.37	29.25
		5720	14.99	24	23.25	19.31	29.25
	Chain 1	5500	14.62	24	23.21	18.94	29.21
		5580	12.92	24	23.23	17.24	29.23
		5700	13.9	24	23.25	18.22	29.25
		5720	13.62	24	23.25	17.94	29.25
802.11n20	Chain 0	5500	13.74	24	23.52	18.06	29.52
		5580	12.89	24	23.52	17.21	29.52
		5700	11.95	24	23.52	16.27	29.52
		5720	12.2	24	23.52	16.52	29.52
	Chain 1	5500	13.66	24	23.52	17.98	29.52
		5580	12.14	24	23.52	16.46	29.52
		5700	13.34	24	23.52	17.66	29.52
		5720	12.89	24	23.52	17.21	29.52
	Chain 0 +Chain 1	5500	16.71	24	23.52	**21.03**	29.52
		5580	15.54	24	23.52	19.86	29.52
		5700	15.71	24	23.52	20.03	29.52
		5720	15.57	24	23.52	19.89	29.52
802.11n40	Chain 0	5510	11.0	24	24	15.32	30
		5550	10.86	24	24	15.18	30
		5670	9.41	24	24	13.73	30
		5710	9.59	24	24	13.91	30
	Chain 1	5510	11.11	24	24	15.43	30
		5550	11.27	24	24	15.59	30
		5670	10.8	24	24	15.12	30
		5710	10.64	24	24	14.96	30
	Chain 0 +Chain 1	5510	14.07	24	24	18.39	30
		5550	14.08	24	24	18.4	30
		5670	13.17	24	24	17.49	30
		5710	13.16	24	24	17.48	30
802.11ac20	Chain 0	5500	12.01	24	23.49	16.33	29.49
		5580	12.63	24	23.50	16.95	29.50
		5700	11.28	24	23.50	15.6	29.50
		5720	11.11	24	23.52	15.43	29.52
	Chain 1	5500	12.47	24	23.49	16.79	29.49
		5580	11.9	24	23.50	16.22	29.50
		5700	12.52	24	23.50	16.84	29.50
		5720	12.15	24	23.52	16.47	29.52
	Chain 0 +Chain 1	5500	15.26	24	23.49	19.58	29.49
		5580	15.29	24	23.50	19.61	29.50
		5700	14.95	24	23.50	19.27	29.50
		5720	14.67	24	23.52	18.99	29.52
802.11ac40	Chain 0	5510	11.16	24	24	15.48	30
		5550	11.64	24	24	15.96	30
		5670	10.63	24	24	14.95	30
		5710	10.22	24	24	14.54	30
	Chain 1	5510	11.43	24	24	15.75	30
		5550	12.56	24	24	16.88	30
		5670	12.02	24	24	16.34	30
		5710	11.55	24	24	15.87	30
	Chain 0 +Chain 1	5510	14.31	24	24	18.63	30
		5550	15.13	24	24	19.45	30

Mode	Antenna	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	RSS 247 Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
		5670	14.39	24	24	18.71	30
		5710	13.95	24	24	18.27	30
802.11ac80	Chain 0	5530	12.08	24	24	16.4	30
		5610	11.89	24	24	16.21	30
		5690	10.67	24	24	14.99	30
	Chain 1	5530	12.42	24	24	16.74	30
		5610	11.03	24	24	15.35	30
		5690	11.96	24	24	16.28	30
	Chain 0 +Chain 1	5530	15.26	24	24	19.58	30
		5610	14.49	24	24	18.81	30
		5690	14.37	24	24	18.69	30
802.11ax20_ RU_Full	Chain 0	5500	10.99	24	23.81	15.31	29.81
		5580	10.06	24	23.81	14.38	29.81
		5700	9.66	24	23.81	13.98	29.81
		5720	9.29	24	23.81	13.61	29.81
	Chain 1	5500	11.52	24	23.81	15.84	29.81
		5580	9.43	24	23.81	13.75	29.81
		5700	10.5	24	23.81	14.82	29.81
		5720	10.32	24	23.81	14.64	29.81
	Chain 0 +Chain 1	5500	14.27	24	23.81	18.59	29.81
		5580	12.77	24	23.81	17.09	29.81
		5700	13.11	24	23.81	17.43	29.81
		5720	12.85	24	23.81	17.17	29.81
802.11ax40_ RU_Full	Chain 0	5510	10.85	24	24	15.17	30
		5550	10.48	24	24	14.8	30
		5670	9.41	24	24	13.73	30
		5710	9.54	24	24	13.86	30
	Chain 1	5510	11.05	24	24	15.37	30
		5550	11.28	24	24	15.6	30
		5670	10.66	24	24	14.98	30
		5710	10.61	24	24	14.93	30
	Chain 0 +Chain 1	5510	13.96	24	24	18.28	30
		5550	13.91	24	24	18.23	30
		5670	13.09	24	24	17.41	30
		5710	13.12	24	24	17.44	30
802.11ax80_ RU_Full	Chain 0	5530	10.55	24	24	14.87	30
		5610	10.32	24	24	14.64	30
		5690	9.43	24	24	13.75	30
	Chain 1	5530	11.31	24	24	15.63	30
		5610	9.58	24	24	13.9	30
		5690	10.58	24	24	14.9	30
	Chain 0 +Chain 1	5530	13.96	24	24	18.28	30
		5610	12.98	24	24	17.3	30
		5690	13.05	24	24	17.37	30

5.6 Spot Check With Maximum Conducted Output Power

Test Information:

Serial No.:	2VQP-1	**Test Date:**	2025/01/12~2025/01/21
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Karl Liang	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	19.2~22.1	**Relative Humidity: (%)**	27~43	**ATM Pressure: (kPa)**	101.0~102.4

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-EM504	2024/06/07	2025/06/06
Anritsu	Microwave Peak Power Sensor	MA24418A	12618	2024/8/27	2025/8/26

** 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

Mode	Antenna	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11ax80_RU_Full	Chain 0	5210	15.33	24	19.65	23
	Chain 1	5210	15.18	24	19.50	23
	Chain 0+ Chain 1	5210	18.27	24	22.59	23

5725-5850MHz

Mode	Antenna	Test Frequency (MHz)	Average Output Power (dBm)	FCC& RSS 247 Limit (dBm)
802.11n40	Chain 0	5755	14.78	30
		7595	14.98	30
	Chain 1	5755	14.85	30
		7595	14.88	30
	Chain 0+ Chain 1	5755	17.89	30
		7595	17.88	30

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

5.7 Power Spectral Density

Test Information:

Serial No.:	2VQP-1	**Test Date:**	2025/01/12~2025/01/21
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Karl Liang	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	19.2~22.1	**Relative Humidity: (%)**	27~43	**ATM Pressure: (kPa)**	101.0~102.4

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-EM504	2024/06/07	2025/06/06
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04

** 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:
5250-5350MHz

Mode	Antenna	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB)	Result (dBm/MHz)	FCC&RSS 247 Limit (dBm/MHz)
802.11a	Chain 0	5260	4.97	0.19	5.16	11
		5280	5.15	0.19	5.34	11
		5320	5.36	0.19	5.55	11
	Chain 1	5260	4.19	0.19	4.38	11
		5280	4.38	0.19	4.57	11
		5320	4.41	0.19	4.6	11
802.11n20	Chain 0	5260	1.74	0.21	1.95	11
		5280	1.79	0.21	2	11
		5320	2.06	0.21	2.27	11
	Chain 1	5260	3.22	0.21	3.43	11
		5280	3.16	0.21	3.37	11
		5320	3.57	0.21	3.78	11
	Chain 0 +Chain 1	5260	5.55	0.21	5.76	9.68
		5280	5.54	0.21	5.75	9.68
		5320	5.89	0.21	6.1	9.68
802.11n40	Chain 0	5270	-3.49	0.19	-3.3	11
		5310	-3.53	0.19	-3.34	11
	Chain 1	5270	-2.04	0.19	-1.85	11
		5310	-1.90	0.19	-1.71	11
	Chain 0 +Chain 1	5270	0.31	0.19	0.5	9.68
		5310	0.37	0.19	0.56	9.68

Mode	Antenna	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB)	Result (dBm/MHz)	FCC&RSS 247 Limit (dBm/MHz)
802.11ac20	Chain 0	5260	1.21	0.19	1.4	11
		5280	2.16	0.19	2.35	11
		5320	2.49	0.19	2.68	11
	Chain 1	5260	3.19	0.19	3.38	11
		5280	3.41	0.19	3.6	11
		5320	3.65	0.19	3.84	11
	Chain 0 +Chain 1	5260	5.32	0.19	5.51	9.68
		5280	5.84	0.19	6.03	9.68
		5320	6.12	0.19	6.31	9.68
802.11ac40	Chain 0	5270	-3.39	0.20	-3.19	11
		5310	-3.03	0.20	-2.83	11
	Chain 1	5270	-1.81	0.20	-1.61	11
		5310	-1.55	0.20	-1.35	11
	Chain 0 +Chain 1	5270	0.48	0.20	0.68	9.68
		5310	0.78	0.20	0.98	9.68
802.11ac80	Chain 0	5290	-6.39	0.20	-6.19	11
	Chain 1	5290	-5.03	0.20	-4.83	11
	Chain 0 +Chain 1	5290	-2.65	0.20	-2.45	9.68
802.11ax20_ RU_Full	Chain 0	5260	1.34	0.26	1.6	11
		5280	1.61	0.26	1.87	11
		5320	1.85	0.26	2.11	11
	Chain 1	5260	3.02	0.26	3.28	11
		5280	2.78	0.26	3.04	11
		5320	3.41	0.26	3.67	11
	Chain 0 +Chain 1	5260	5.27	0.26	5.53	9.68
		5280	5.24	0.26	5.5	9.68
		5320	5.71	0.26	5.97	9.68
802.11ax40_ RU_Full	Chain 0	5270	-3.64	0.19	-3.45	11
		5310	-3.84	0.19	-3.65	11
	Chain 1	5270	-2.22	0.19	-2.03	11
		5310	-2.14	0.19	-1.95	11
	Chain 0 +Chain 1	5270	0.14	0.19	0.33	9.68
		5310	0.10	0.19	0.29	9.68
802.11ax80_ RU_Full	Chain 0	5290	-6.90	0.20	-6.7	11
	Chain 1	5290	-5.45	0.20	-5.25	11
	Chain 0 +Chain 1	5290	-3.10	0.20	-2.9	9.68

5470-5725MHz

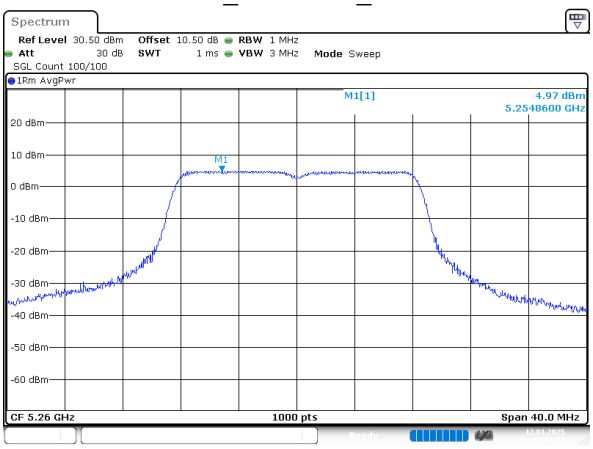
Mode	Antenna	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB)	Result (dBm/MHz)	FCC&RSS 247 Limit (dBm/MHz)
802.11a	Chain 0	5500	5.03	0.19	5.22	11
		5580	4.34	0.19	4.53	11
		5700	3.78	0.19	3.97	11
		5720	3.76	0.19	3.95	11
	Chain 1	5500	3.26	0.19	3.45	11
		5580	1.47	0.19	1.66	11
		5700	2.32	0.19	2.51	11
		5720	2.13	0.19	2.32	11
802.11n20	Chain 0	5500	1.75	0.21	1.96	11
		5580	0.68	0.21	0.89	11
		5700	0.08	0.21	0.29	11
		5720	0.32	0.21	0.53	11
	Chain 1	5500	1.78	0.21	1.99	11
		5580	0.02	0.21	0.23	11
		5700	1.34	0.21	1.55	11
		5720	1.06	0.21	1.27	11
	Chain 0 +Chain 1	5500	4.78	0.21	4.99	9.68
		5580	3.37	0.21	3.58	9.68
		5700	3.77	0.21	3.98	9.68
		5720	3.72	0.21	3.93	9.68
802.11n40	Chain 0	5510	-3.75	0.19	-3.56	11
		5550	-3.99	0.19	-3.8	11
		5670	-5.21	0.19	-5.02	11
		5710	-5.18	0.19	-4.99	11
	Chain 1	5510	-3.44	0.19	-3.25	11
		5550	-3.28	0.19	-3.09	11
		5670	-3.81	0.19	-3.62	11
		5710	-3.77	0.19	-3.58	11
	Chain 0 +Chain 1	5510	-0.58	0.19	-0.39	9.68
		5550	-0.61	0.19	-0.42	9.68
		5670	-1.44	0.19	-1.25	9.68
		5710	-1.41	0.19	-1.22	9.68
802.11ac20	Chain 0	5500	0.41	0.19	0.6	11
		5580	1.35	0.19	1.54	11
		5700	-0.12	0.19	0.07	11
		5720	-0.08	0.19	0.11	11
	Chain 1	5500	1.30	0.19	1.49	11
		5580	1.12	0.19	1.31	11
		5700	1.38	0.19	1.57	11
		5720	0.76	0.19	0.95	11
	Chain 0 +Chain 1	5500	3.89	0.19	4.08	9.68
		5580	4.25	0.19	4.44	9.68
		5700	3.70	0.19	3.89	9.68
		5720	3.37	0.19	3.56	9.68
802.11ac40	Chain 0	5510	-3.65	0.20	-3.45	11
		5550	-2.78	0.20	-2.58	11
		5670	-3.78	0.20	-3.58	11
		5710	-4.05	0.20	-3.85	11
	Chain 1	5510	-2.42	0.20	-2.22	11
		5550	-1.56	0.20	-1.36	11
		5670	-1.83	0.20	-1.63	11
		5710	-2.06	0.20	-1.86	11
	Chain 0 +Chain 1	5510	0.02	0.20	0.22	9.68
		5550	0.88	0.20	1.08	9.68
		5670	0.31	0.20	0.51	9.68
		5710	0.07	0.20	0.27	9.68

Mode	Antenna	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB)	Result (dBm/MHz)	FCC&RSS 247 Limit (dBm/MHz)
802.11ac80	Chain 0	5530	-5.59	0.20	-5.39	11
		5610	-5.92	0.20	-5.72	11
		5690	-6.94	0.20	-6.74	11
	Chain 1	5530	-4.91	0.20	-4.71	11
		5610	-6.09	0.20	-5.89	11
		5690	-5.41	0.20	-5.21	11
	Chain 0 +Chain 1	5530	-2.23	0.20	-2.03	9.68
		5610	-2.99	0.20	-2.79	9.68
		5690	-3.10	0.20	-2.9	9.68
802.11ax20 _RU_Full	Chain 0	5500	-0.75	0.26	-0.49	11
		5580	-1.36	0.26	-1.1	11
		5700	-1.69	0.26	-1.43	11
		5720	-2.46	0.26	-2.2	11
	Chain 1	5500	0.07	0.26	0.33	11
		5580	-1.76	0.26	-1.5	11
		5700	-0.81	0.26	-0.55	11
		5720	-0.95	0.26	-0.69	11
	Chain 0 +Chain 1	5500	2.69	0.26	2.95	9.68
		5580	1.45	0.26	1.71	9.68
		5700	1.78	0.26	2.04	9.68
		5720	1.37	0.26	1.63	9.68
802.11ax40 _RU_Full	Chain 0	5510	-3.72	0.19	-3.53	11
		5550	-4.31	0.19	-4.12	11
		5670	-5.26	0.19	-5.07	11
		5710	-5.13	0.19	-4.94	11
	Chain 1	5510	-3.36	0.19	-3.17	11
		5550	-2.82	0.19	-2.63	11
		5670	-3.47	0.19	-3.28	11
		5710	-3.57	0.19	-3.38	11
	Chain 0+Chain 1	5510	-0.53	0.19	-0.34	9.68
		5550	-0.49	0.19	-0.3	9.68
		5670	-1.26	0.19	-1.07	9.68
		5710	-1.27	0.19	-1.08	9.68
802.11ax80 _RU_Full	Chain 0	5530	-7.42	0.20	-7.22	11
		5610	-7.55	0.20	-7.35	11
		5690	-8.10	0.20	-7.9	11
	Chain 1	5530	-6.11	0.20	-5.91	11
		5610	-7.50	0.20	-7.3	11
		5690	-6.18	0.20	-5.98	11
	Chain 0+Chain 1	5530	-3.71	0.20	-3.51	9.68
		5610	-4.51	0.20	-4.31	9.68
		5690	-4.02	0.20	-3.82	9.68

Result = Reading + Duty Cycle Factor

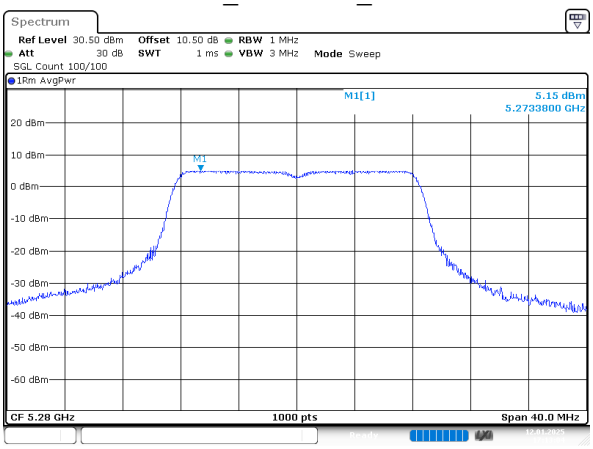
5250-5350MHz

802.11a_5260MHz_Chain 0



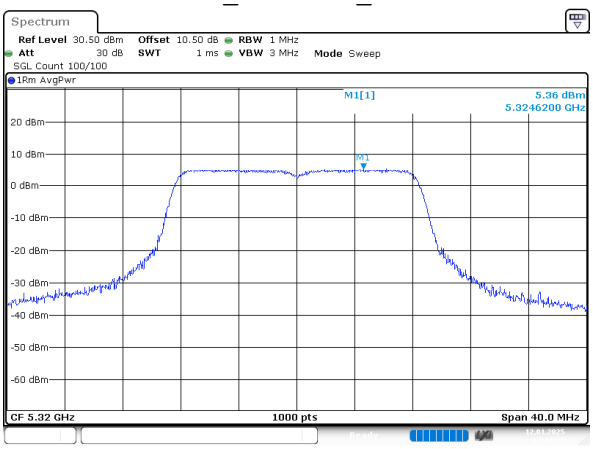
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 17:11:37

802.11a_5280MHz_Chain 0



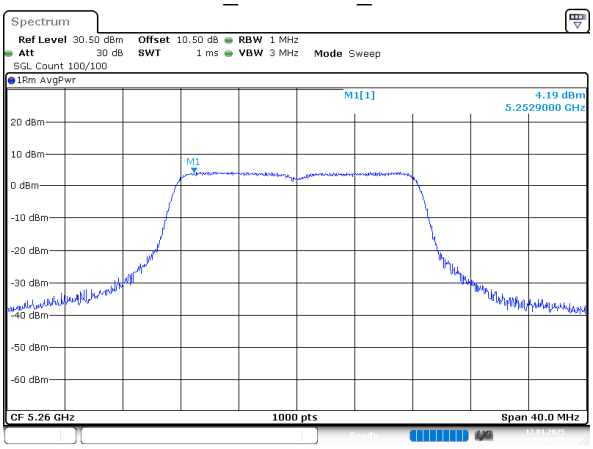
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 17:13:05

802.11a_5320MHz_Chain 0



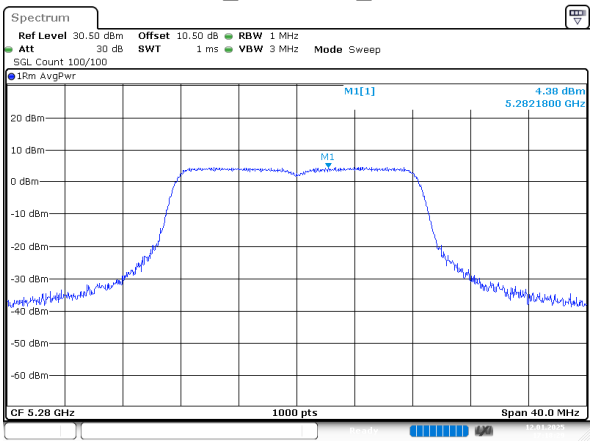
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 17:14:36

802.11a_5260MHz_Chain 1



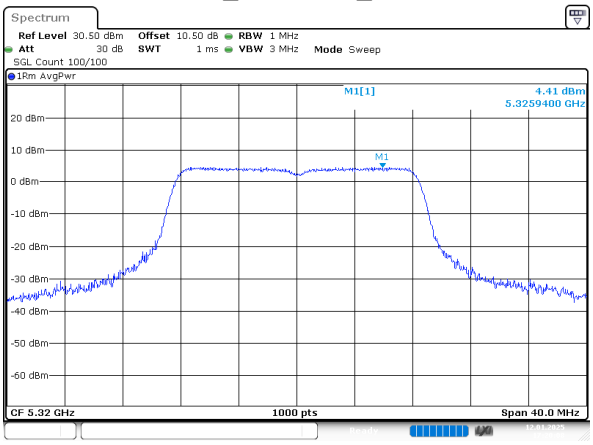
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 17:16:56

802.11a_5280MHz_Chain 1



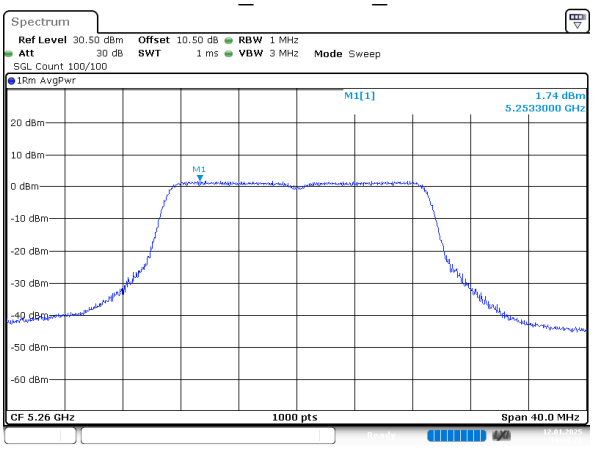
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 17:18:30

802.11a_5320MHz_Chain 1



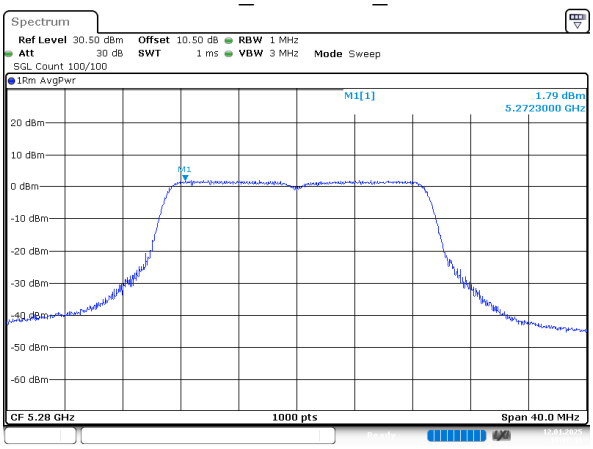
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 17:20:09

802.11n20_5260MHz_Chain 0



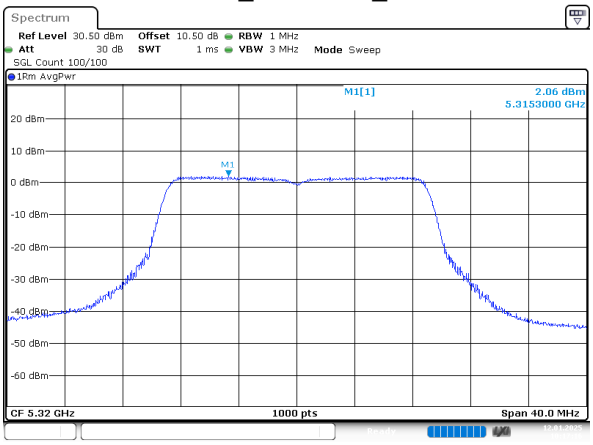
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 10:14:20

802.11n20_5280MHz_Chain 0



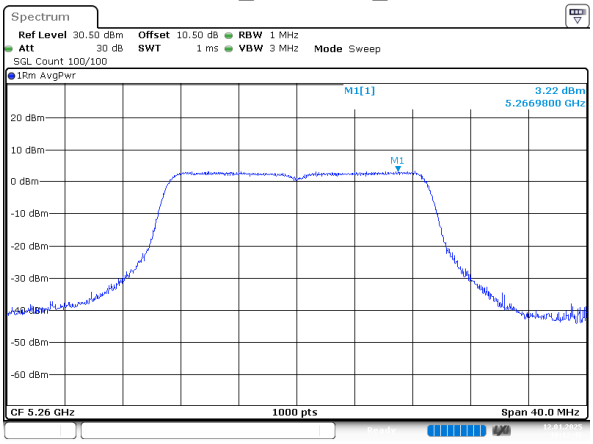
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 10:15:51

802.11n20_5320MHz_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 10:17:16

802.11n20_5260MHz_Chain 1



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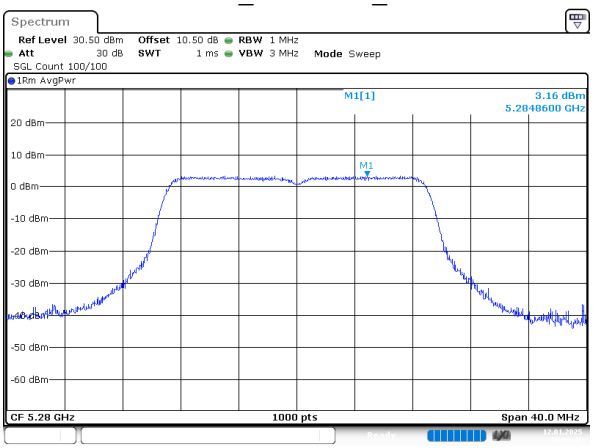
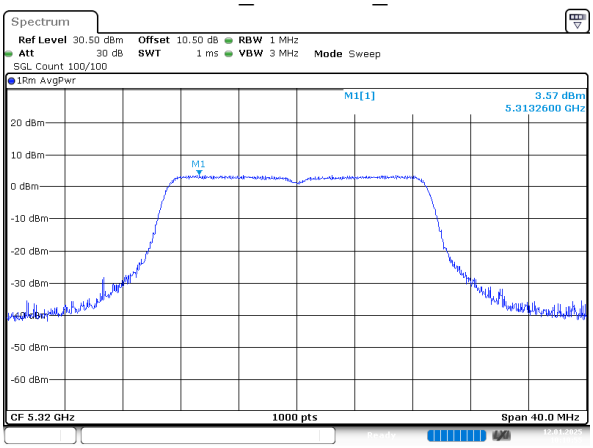
Date: 12.JAN.2025 10:12:45

802.11n20_5280MHz_Chain 1



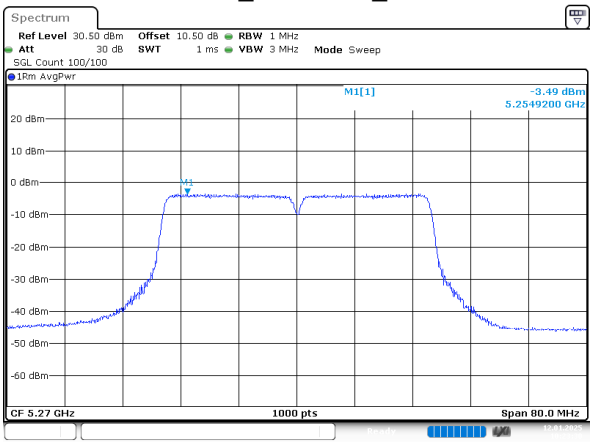
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 10:09:41

802.11n20_5320MHz_Chain 1



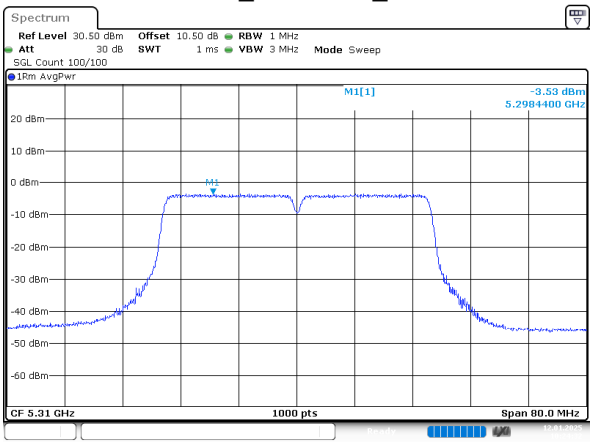
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 10:10:55

802.11n40_5270MHz_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 10:23:30

802.11n40_5310MHz_Chain 0



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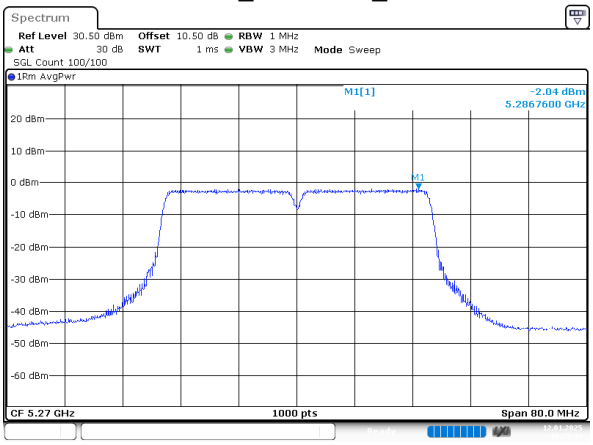
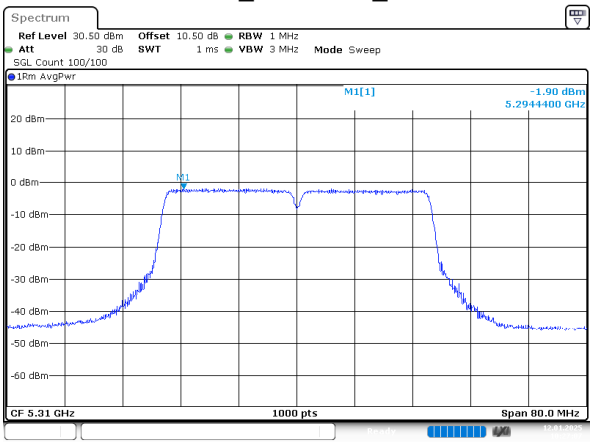
Date: 12.JAN.2025 10:24:31

802.11n40_5270MHz_Chain 1



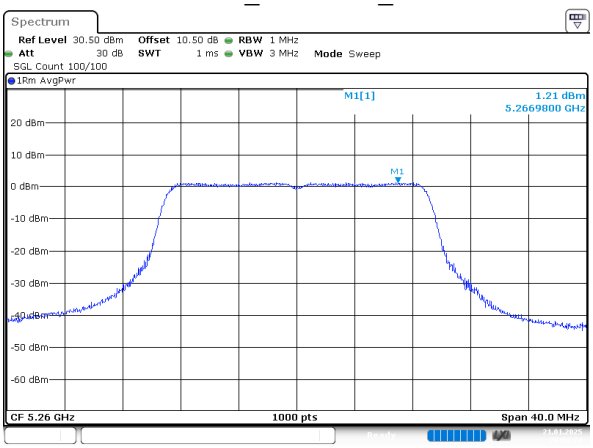
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 10:25:44

802.11n40_5310MHz_Chain 1



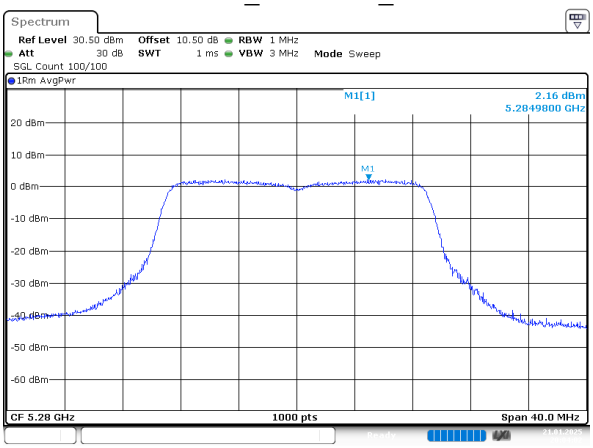
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 10:27:07

802.11ac20_5260MHz_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 20:02:24

802.11ac20_5280MHz_Chain 0



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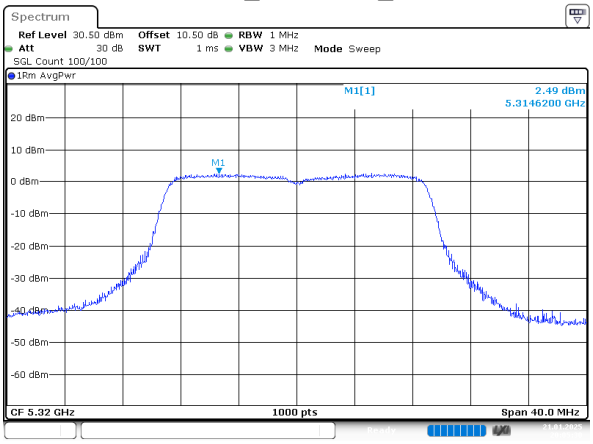
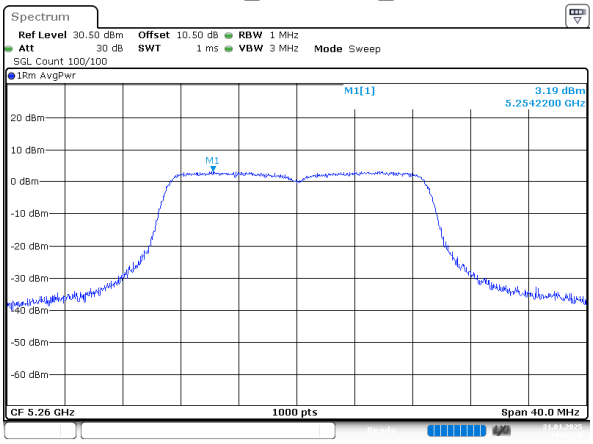
Date: 21.JAN.2025 20:04:02

802.11ac20_5320MHz_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 20:05:30

802.11ac20_5260MHz_Chain 1



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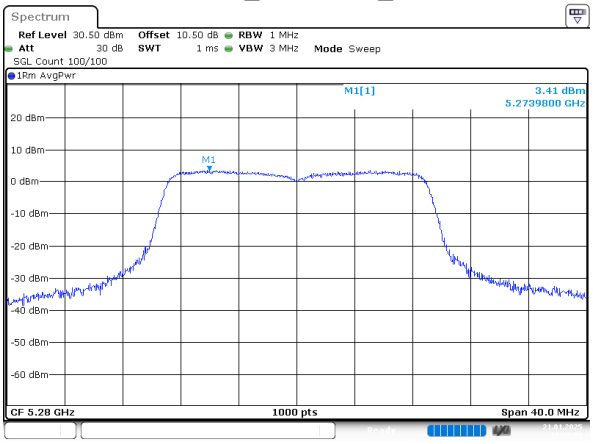
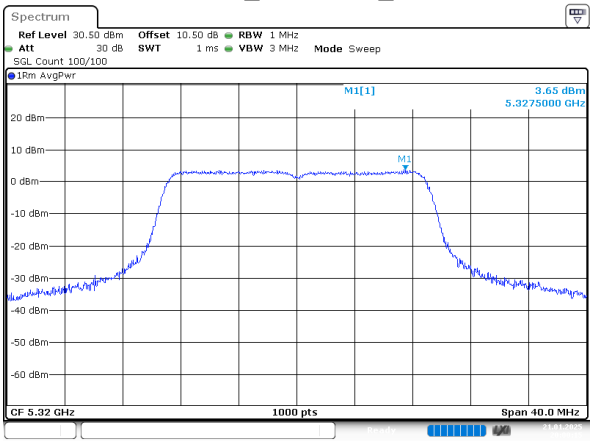
Date: 21.JAN.2025 19:57:38

802.11ac20_5280MHz_Chain 1



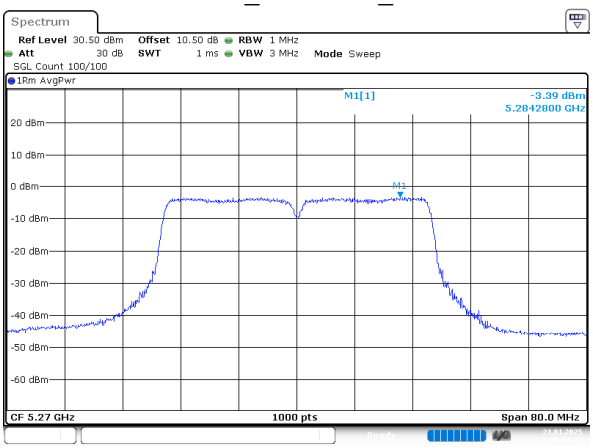
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 19:59:02

802.11ac20_5320MHz_Chain 1



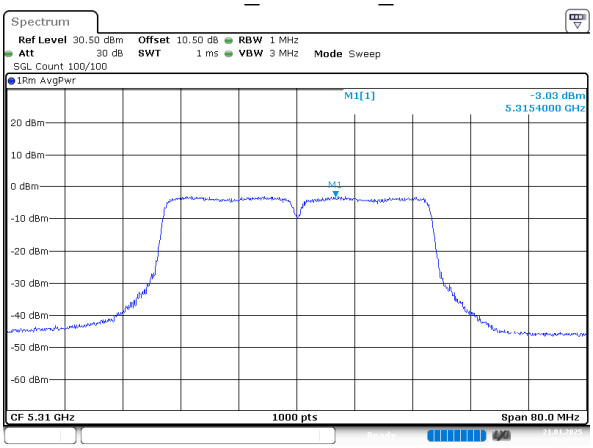
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 20:00:15

802.11ac40_5270MHz_Chain 0



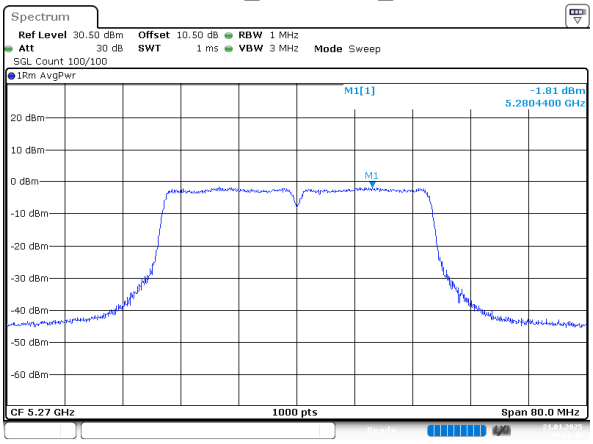
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 20:09:15

802.11ac40_5310MHz_Chain 0



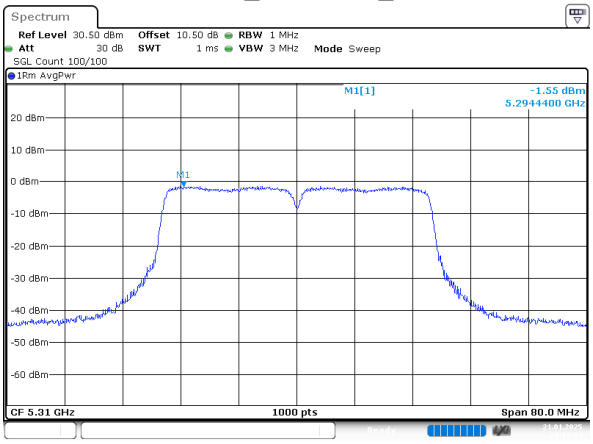
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 20:10:13

802.11ac40_5270MHz_Chain 1



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 20:11:42

802.11ac40_5310MHz_Chain 1



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 20:13:04

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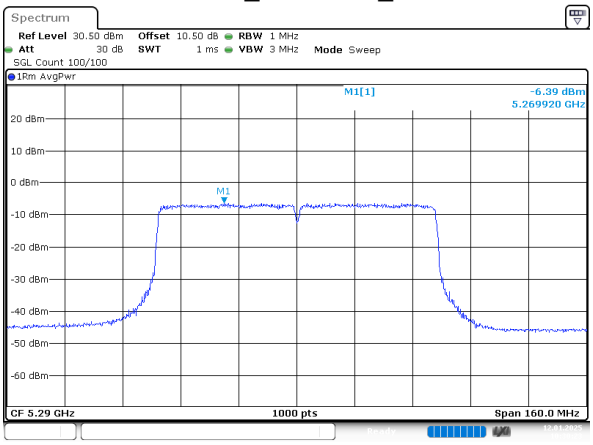

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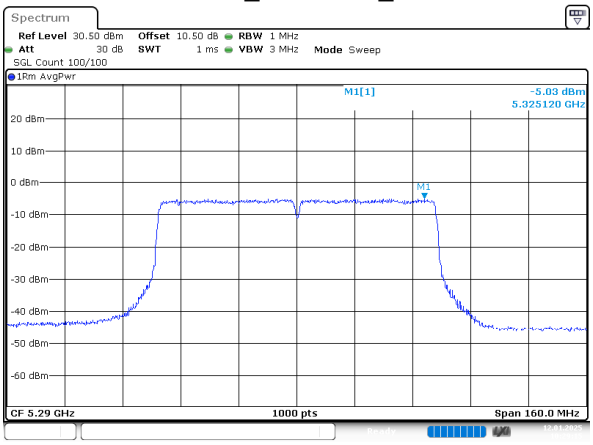
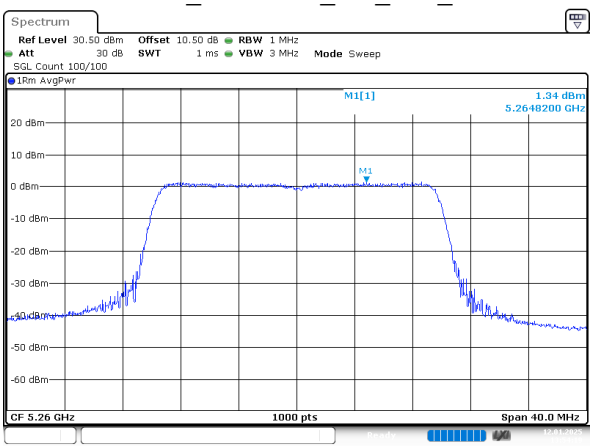
Date: 12.JAN.2025 10:30:23

802.11ac80_5290MHz_Chain 1



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 10:29:15

802.11ax20_5260MHz_RU_Full_Chain 0



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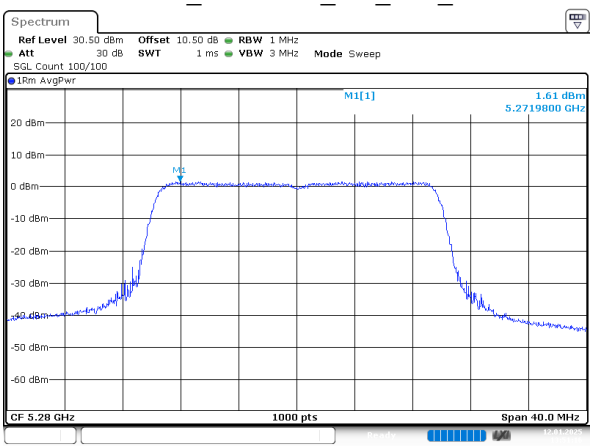
Date: 12.JAN.2025 13:54:19

802.11ax20_5280MHz_RU_Full_Chain 0



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Date: 12.JAN.2025 13:51:16

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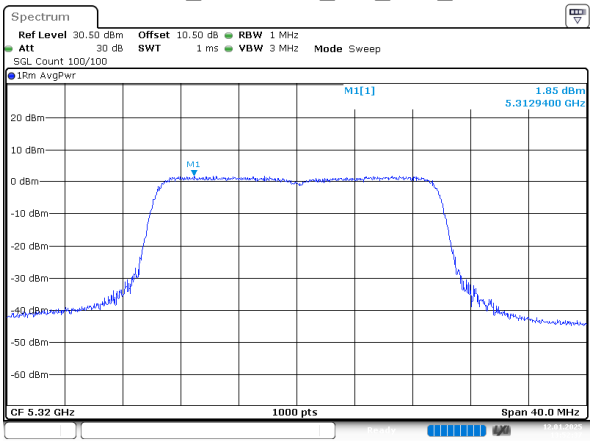

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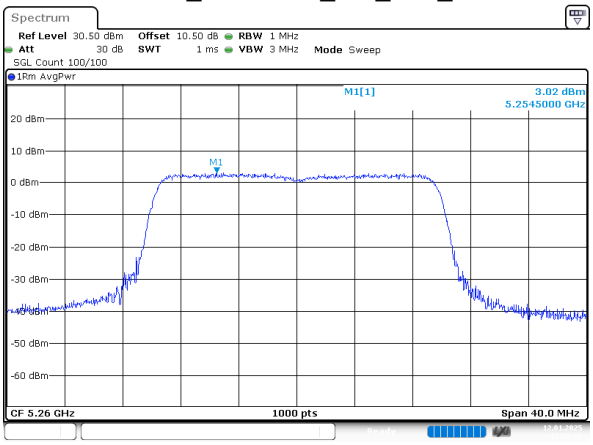

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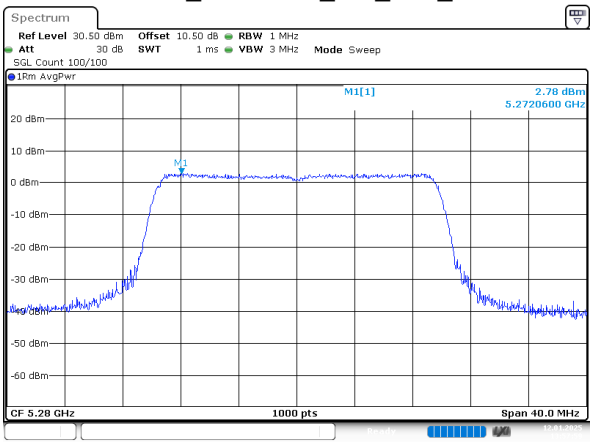

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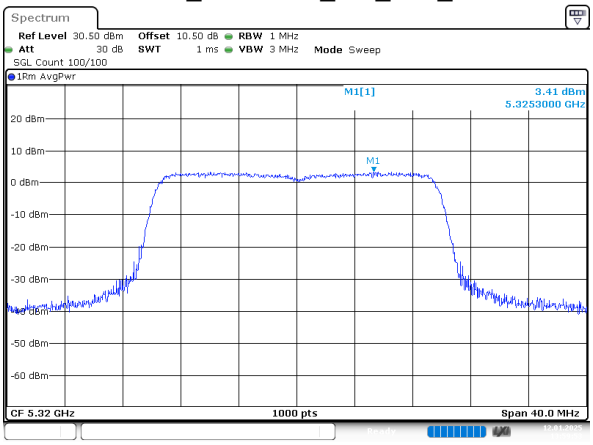
802.11ax20_5320MHz_RU_Full_Chain 1



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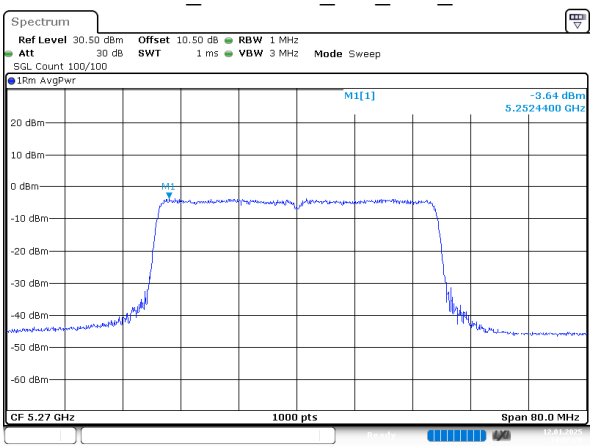

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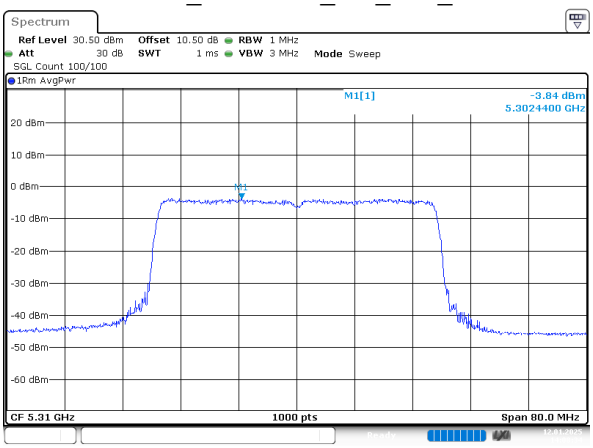
Date: 12.JAN.2025 14:07:30

802.11ax40_5310MHz_RU_Full_Chain 0



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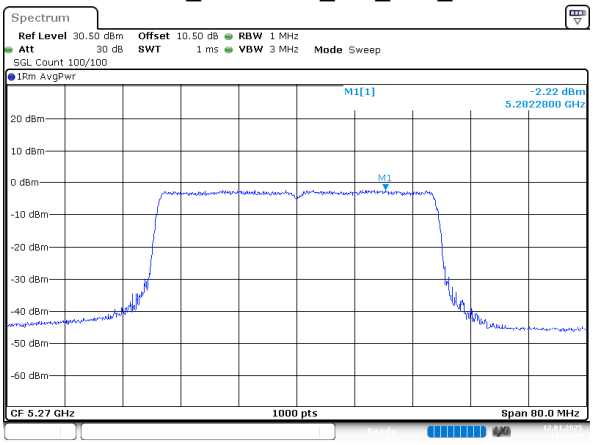
802.11ax40_5270MHz_RU_Full_Chain 1



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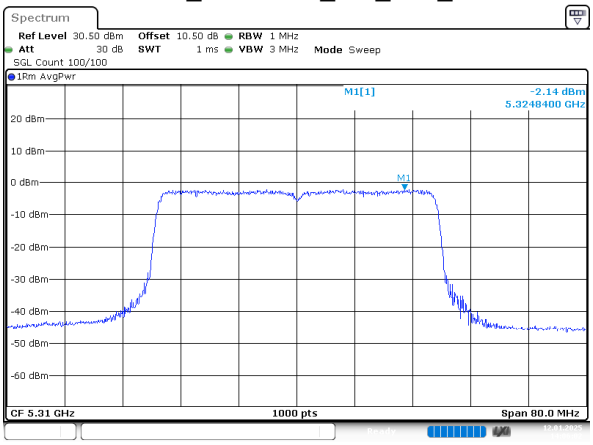
802.11ax40_5310MHz_RU_Full_Chain 1



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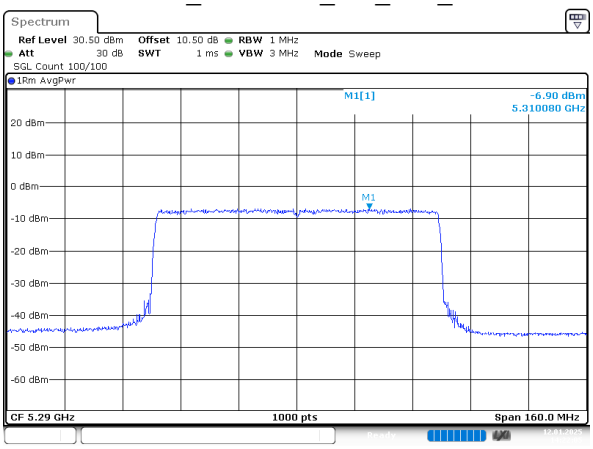
802.11ax80_5290MHz_RU_Full_Chain 0



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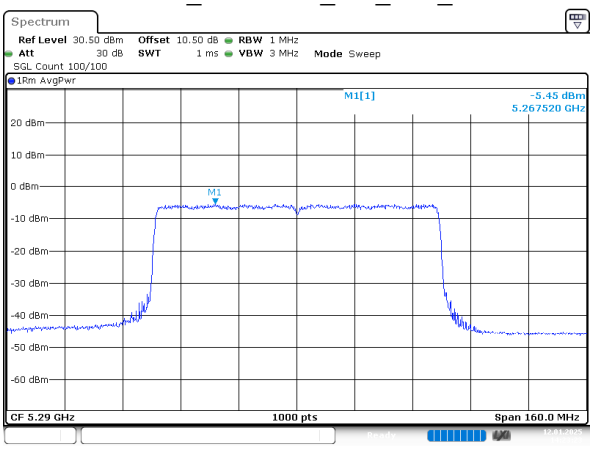
802.11ax80_5290MHz_RU_Full_Chain 1



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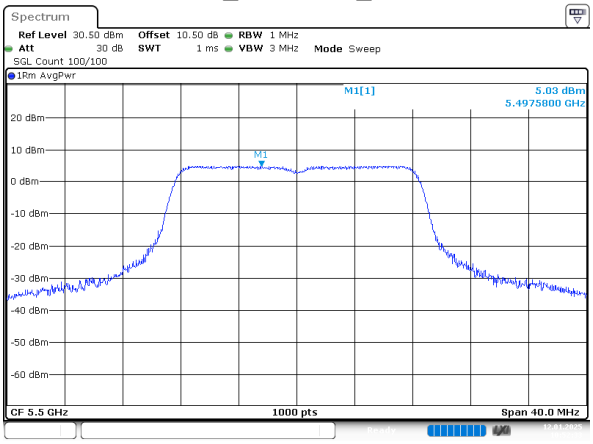
5470-5725MHz

802.11a_5500MHz_Chain 0



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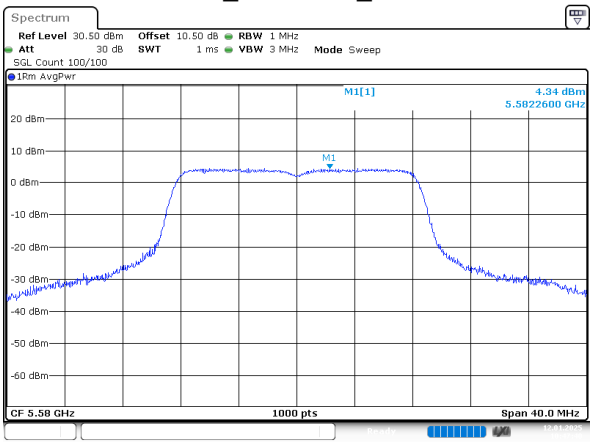

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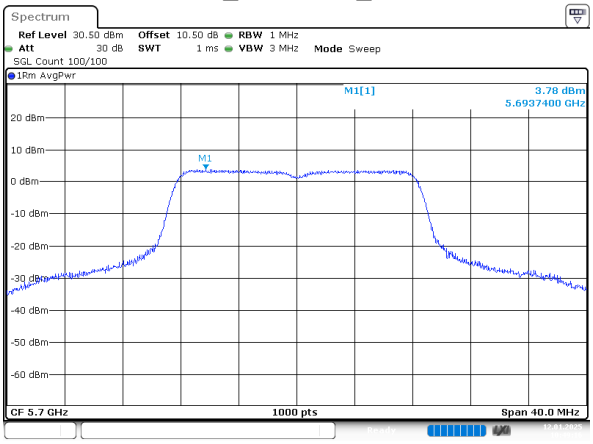

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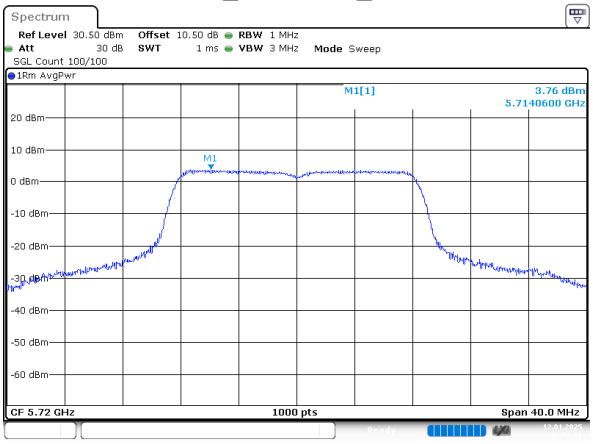
802.11a_5720MHz_Chain 0



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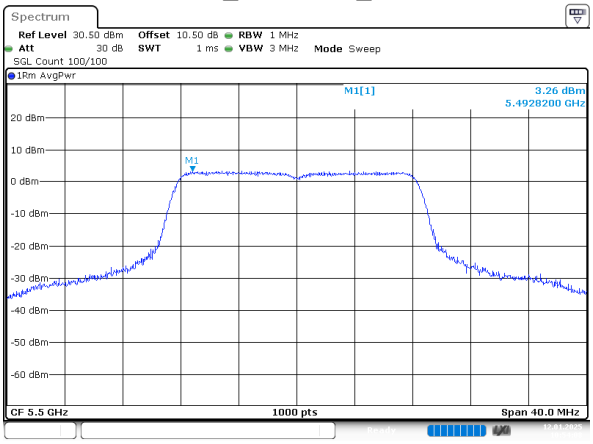
802.11a_5500MHz_Chain 1



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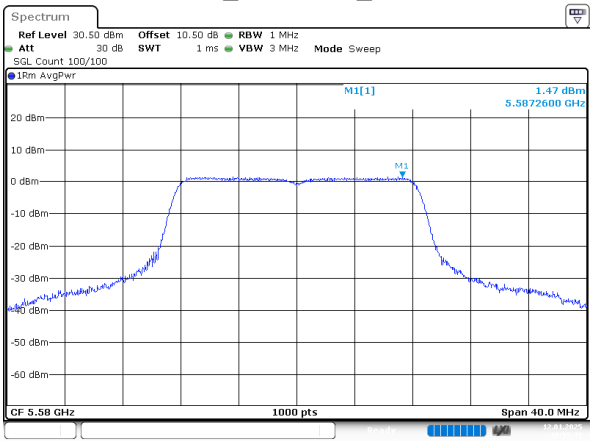
802.11a_5580MHz_Chain 1



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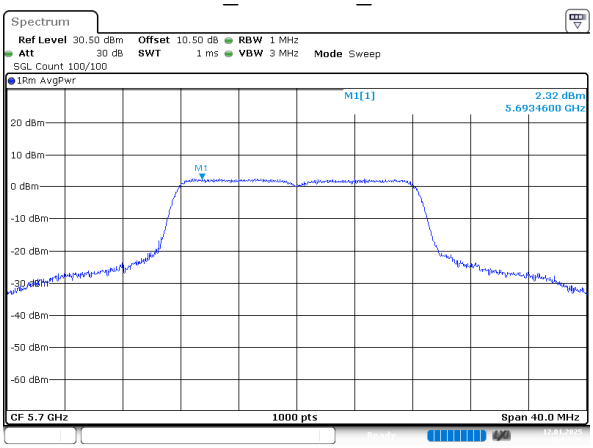
802.11a_5700MHz_Chain 1



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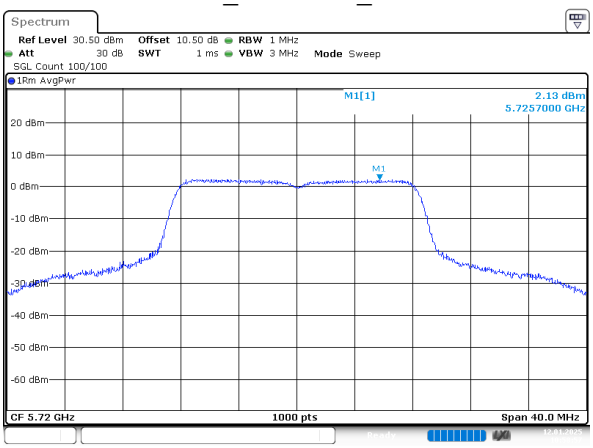
802.11a_5720MHz_Chain 1



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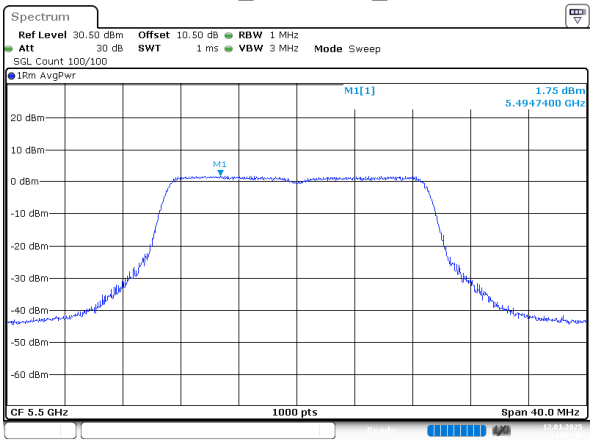
802.11n20_5500MHz_Chain 0



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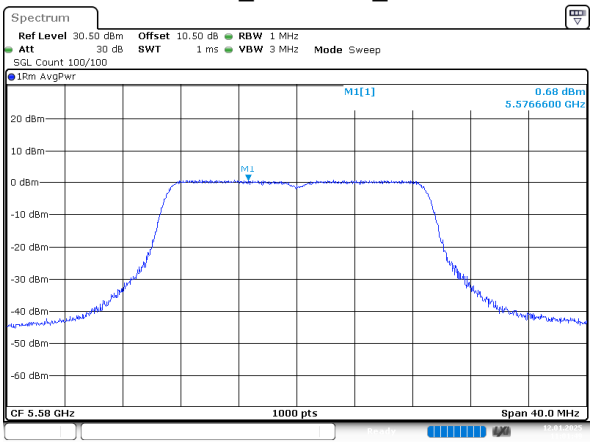
Date: 12.JAN.2025 11:07:46

802.11n20_5580MHz_Chain 0



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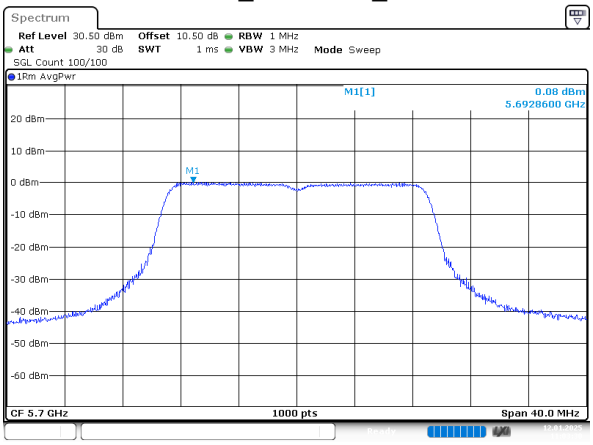

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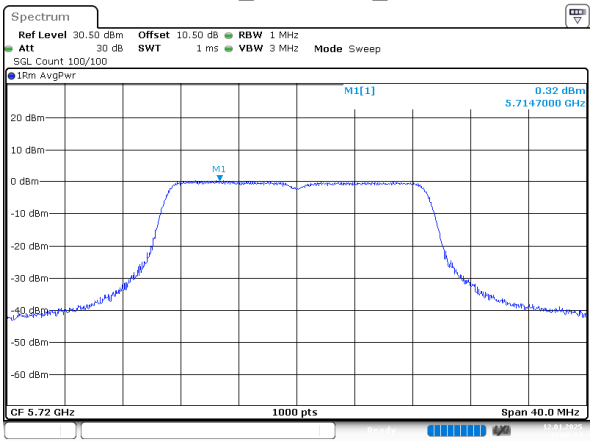
Date: 12.JAN.2025 11:03:30

802.11n20_5720MHz_Chain 0



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Date: 12.JAN.2025 11:06:13

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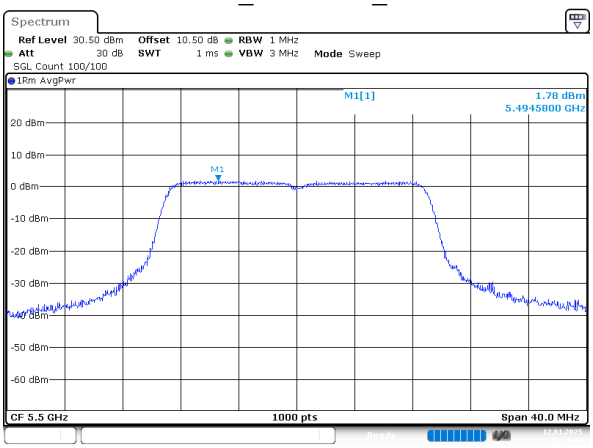

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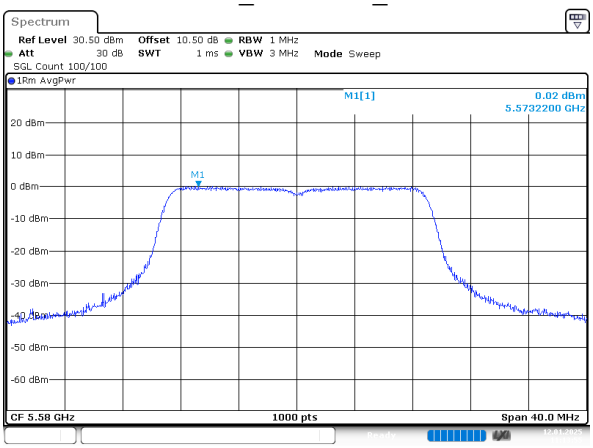
802.11n20_5580MHz_Chain 1



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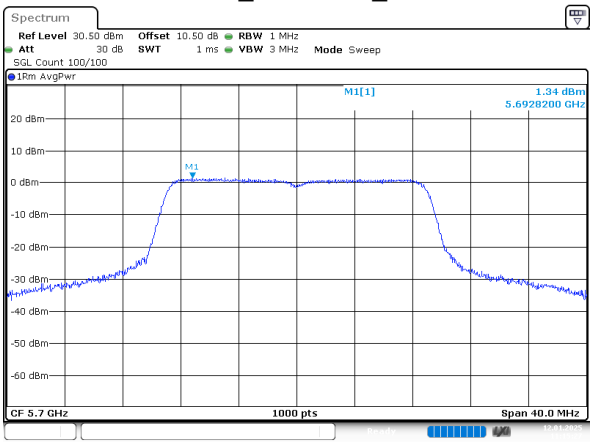
802.11n20_5700MHz_Chain 1



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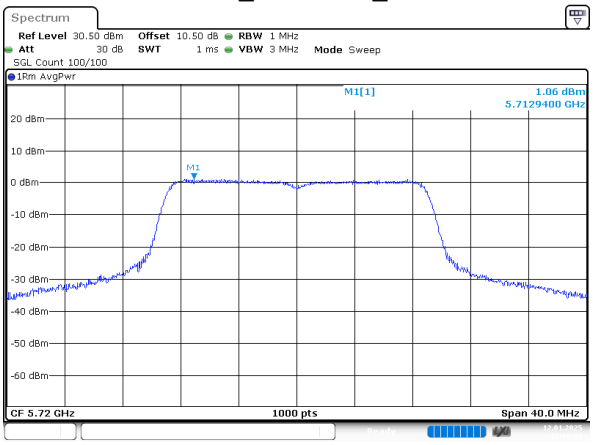
802.11n20_5720MHz_Chain 1



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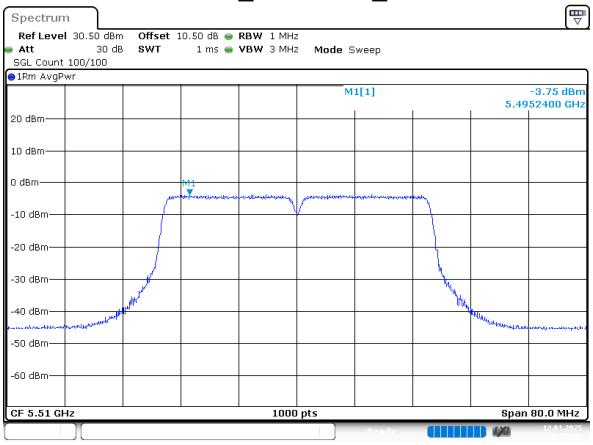
Date: 12.JAN.2025 11:16:53

802.11n40_5510MHz_Chain 0



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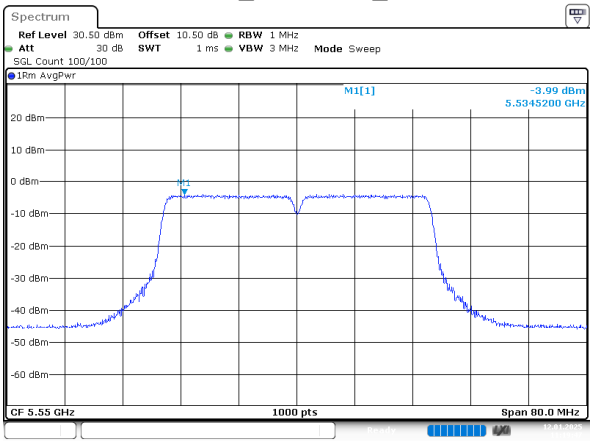
802.11n40_5550MHz_Chain 0



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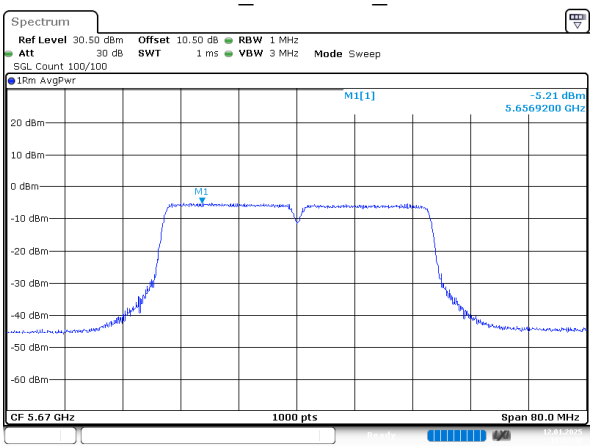
802.11n40_5670MHz_Chain 0



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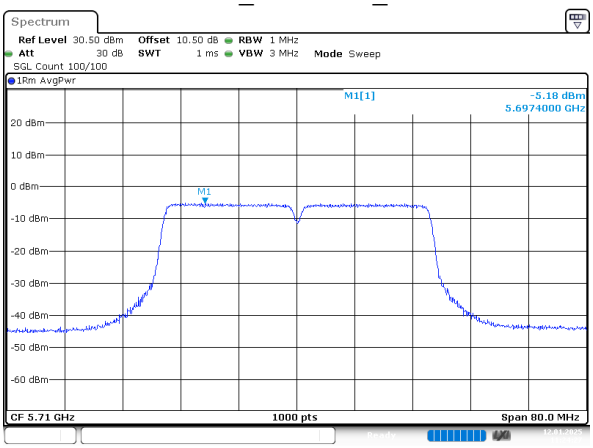
Date: 12.JAN.2025 11:23:32

802.11n40_5710MHz_Chain 0



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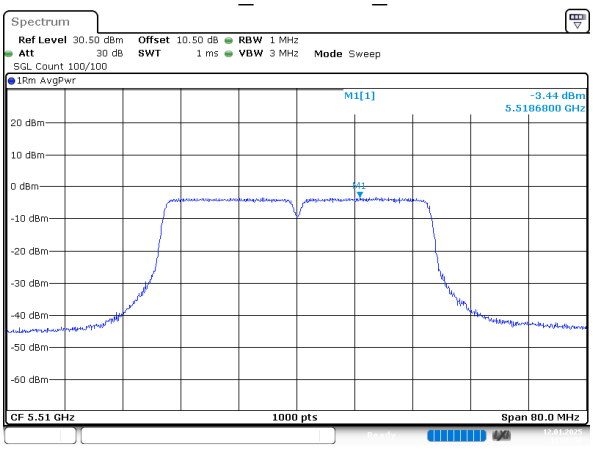
Date: 12.JAN.2025 11:24:27

802.11n40_5510MHz_Chain 1



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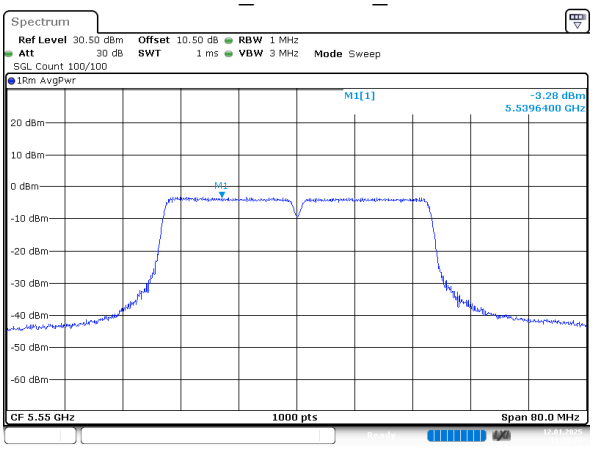
Date: 12.JAN.2025 11:26:58

802.11n40_5550MHz_Chain 1



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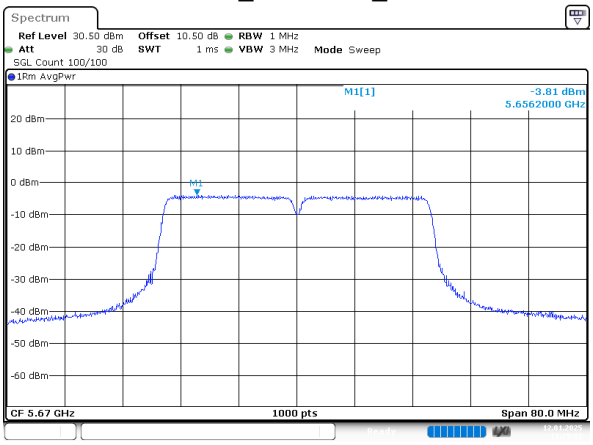
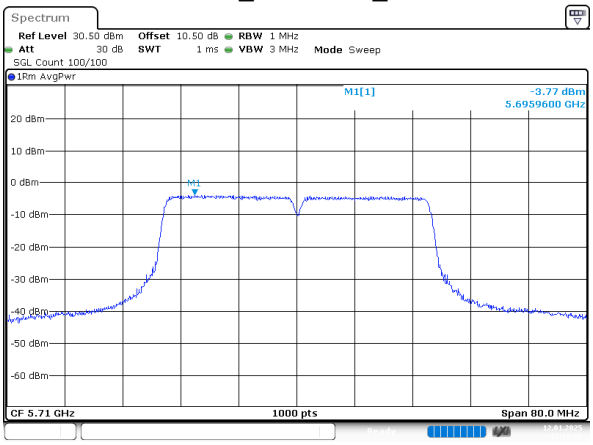
802.11n40_5670MHz_Chain 1



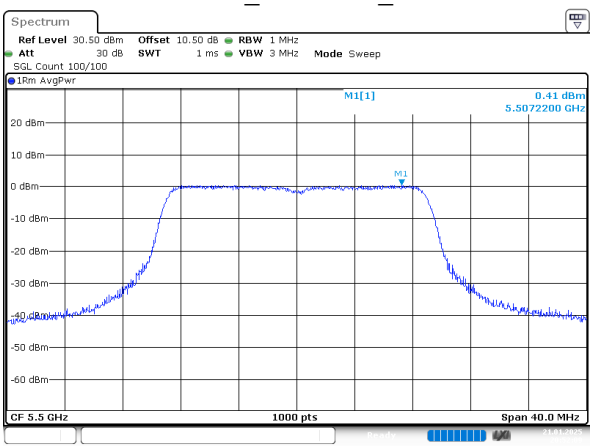
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:29:15

802.11n40_5710MHz_Chain 1



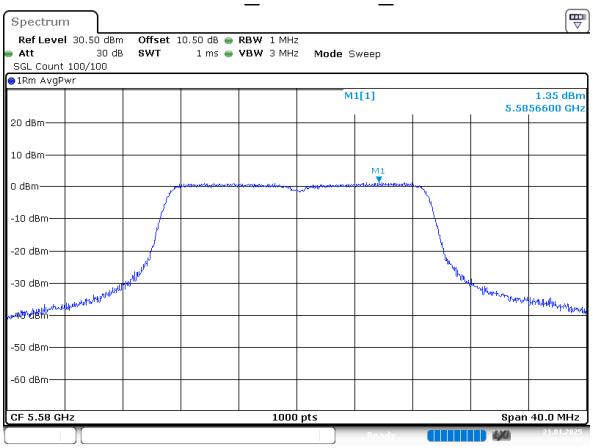
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:30:09

802.11ac20_5500MHz_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 20:52:09

802.11ac20_5580MHz_Chain 0



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Date: 21.JAN.2025 20:53:48

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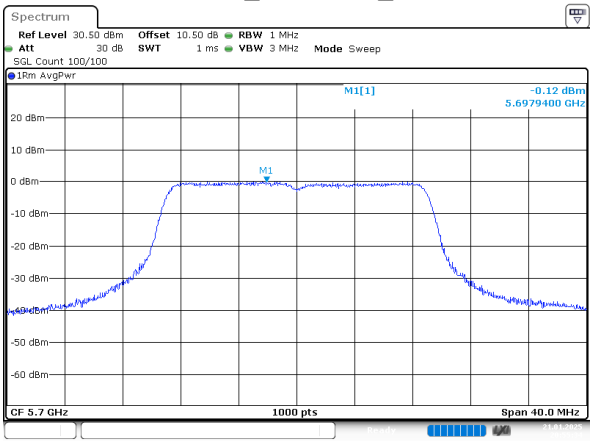

ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 20:55:34

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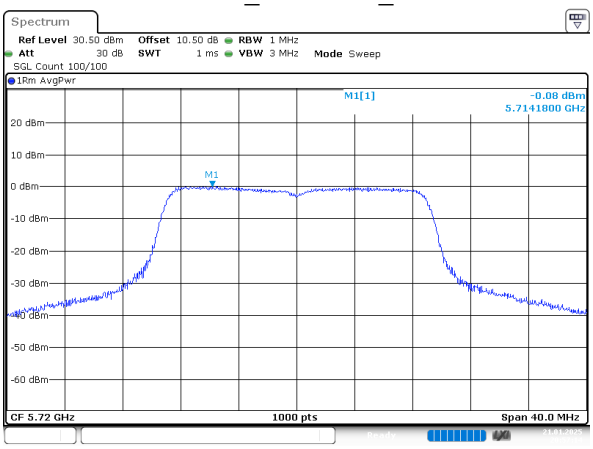
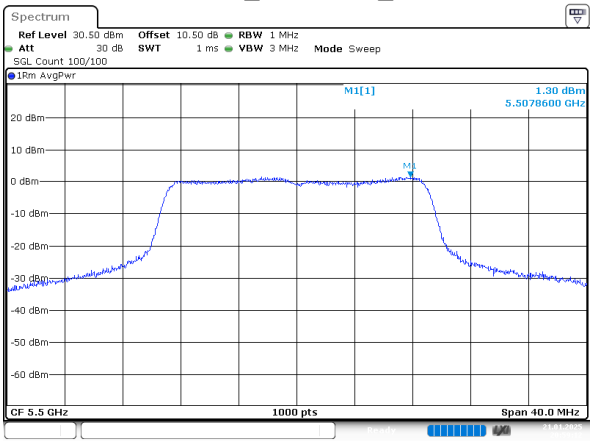


ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 20:57:14

802.11ac20_5500MHz_Chain 1



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Date: 21.JAN.2025 20:59:12

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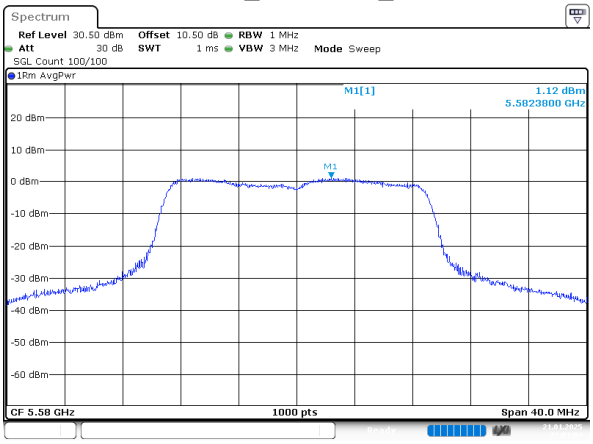

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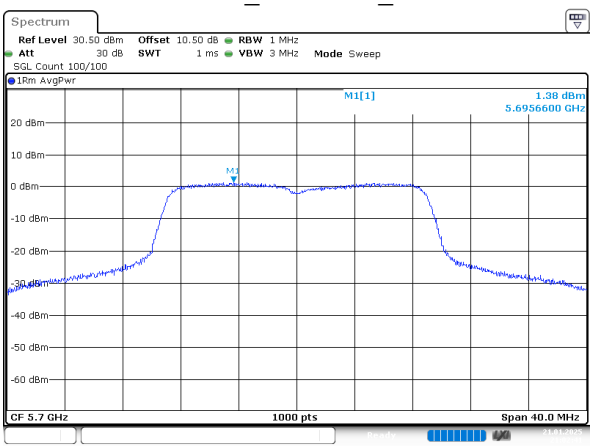
Date: 21.JAN.2025 21:01:04

802.11ac20_5700MHz_Chain 1



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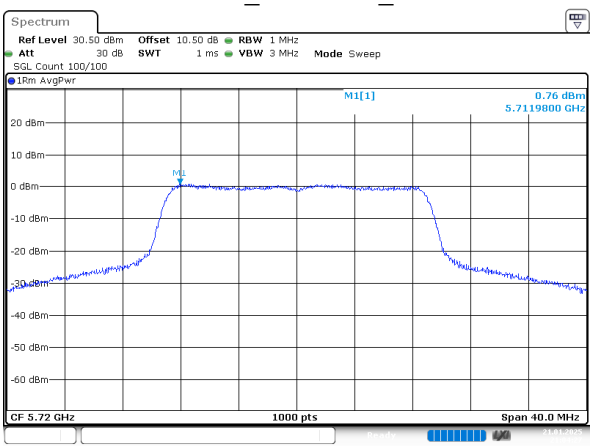
Date: 21.JAN.2025 21:02:41

802.11ac20_5720MHz_Chain 1



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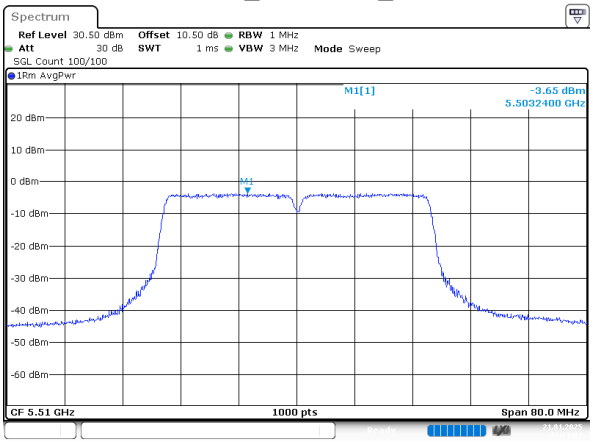
Date: 21.JAN.2025 21:04:27

802.11ac40_5510MHz_Chain 0



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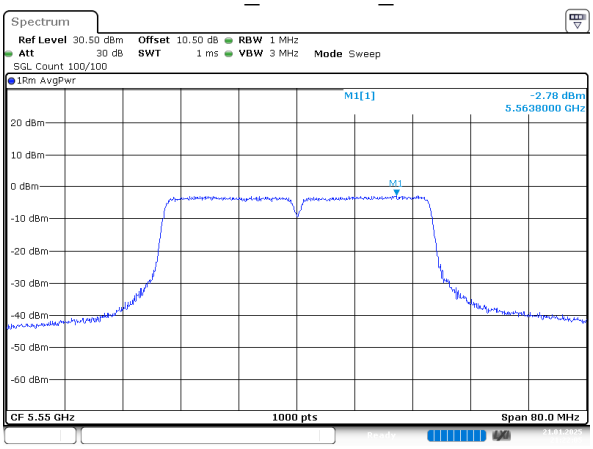
Date: 21.JAN.2025 21:21:01

802.11ac40_5550MHz_Chain 0



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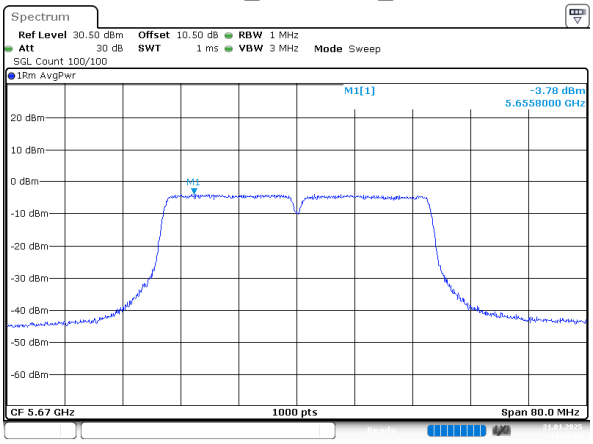
Date: 21.JAN.2025 21:22:05

802.11ac40_5670MHz_Chain 0



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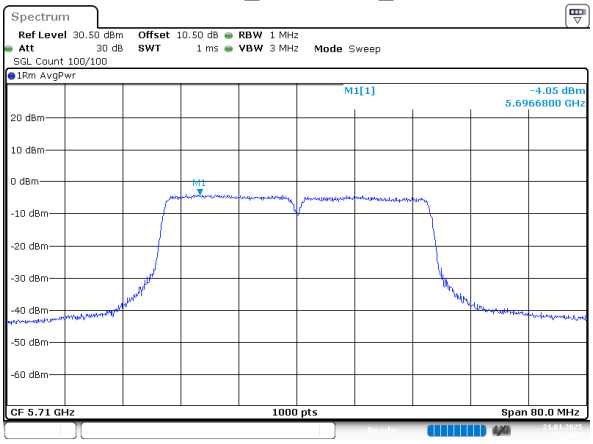
Date: 21.JAN.2025 21:23:14

802.11ac40_5710MHz_Chain 0



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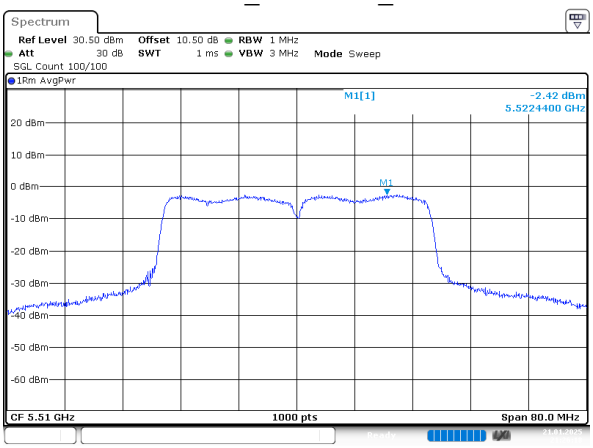
802.11ac40_5510MHz_Chain 1



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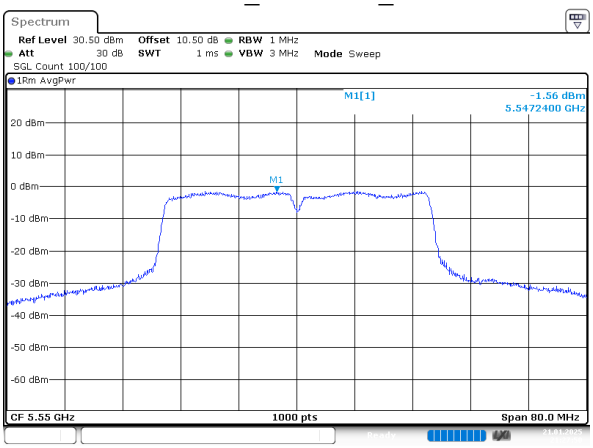
802.11ac40_5550MHz_Chain 1



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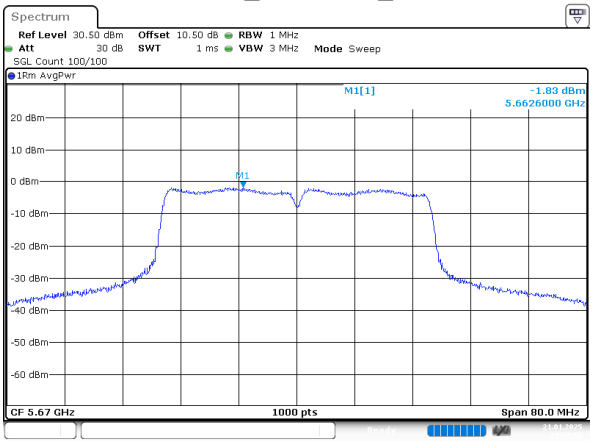

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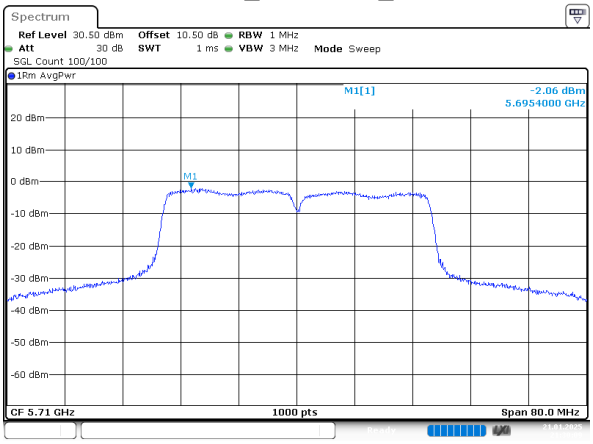

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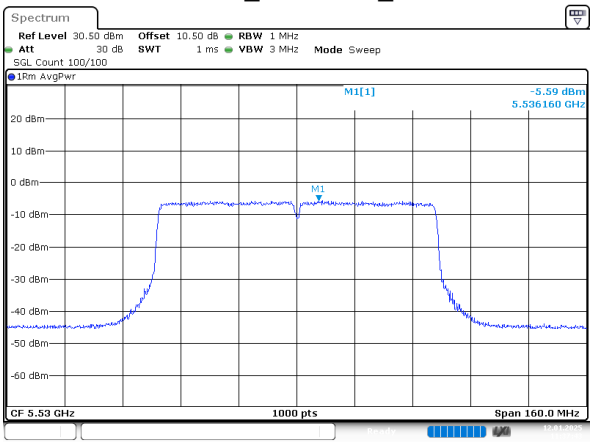
Date: 21.JAN.2025 21:30:10

802.11ac80_5530MHz_Chain 0



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Date: 12.JAN.2025 11:37:43

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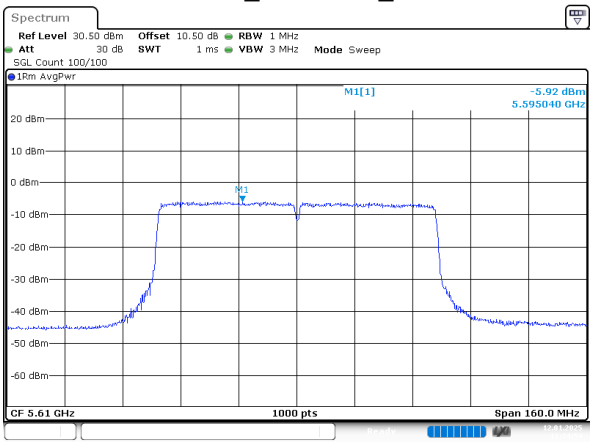

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Date: 12.JAN.2025 11:34:54

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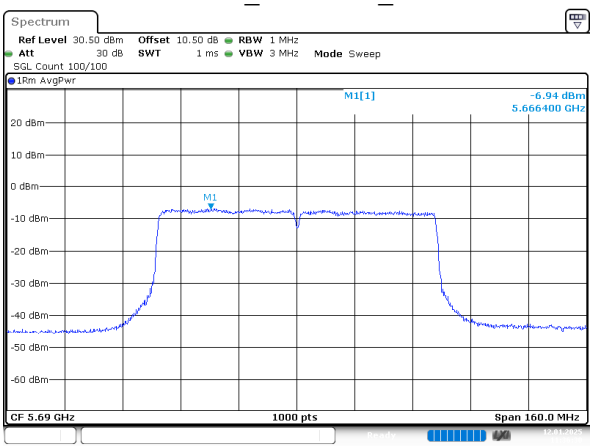

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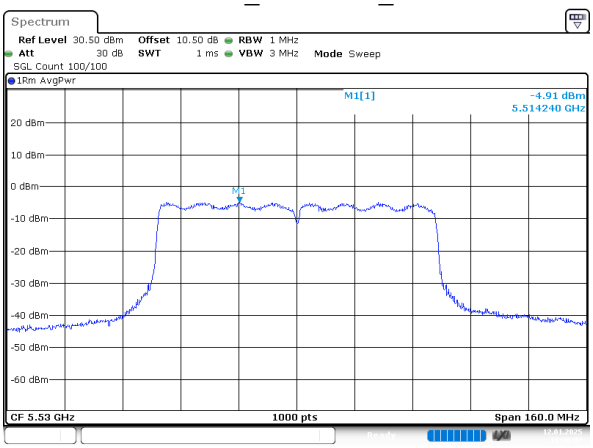

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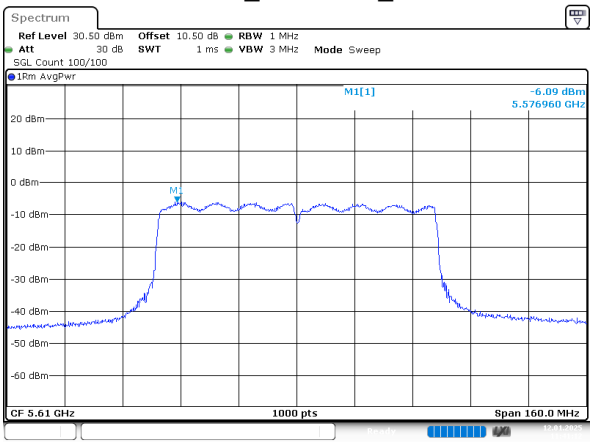

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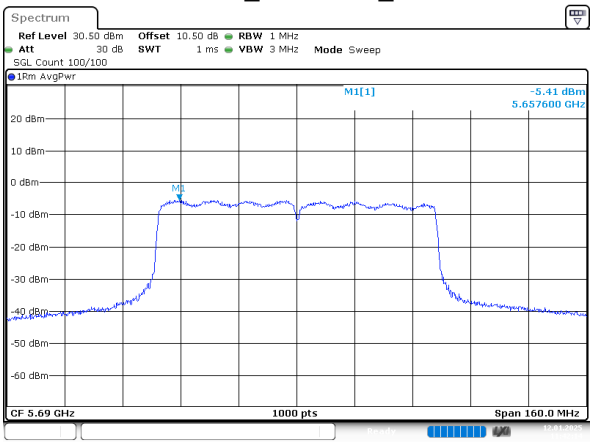
802.11ac80_5690MHz_Chain 1



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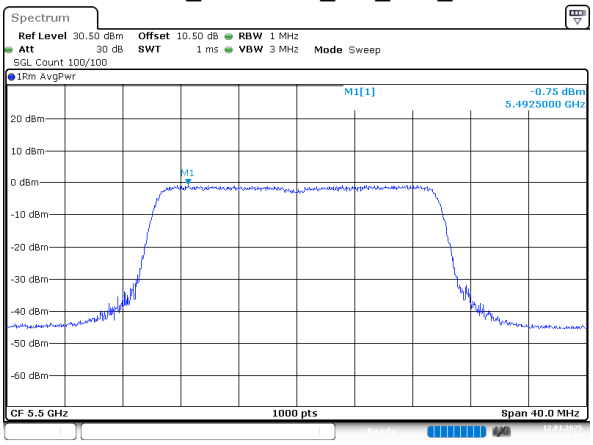
Date: 12.JAN.2025 11:42:14

802.11ax20_5500MHz_RU_Full_Chain 0



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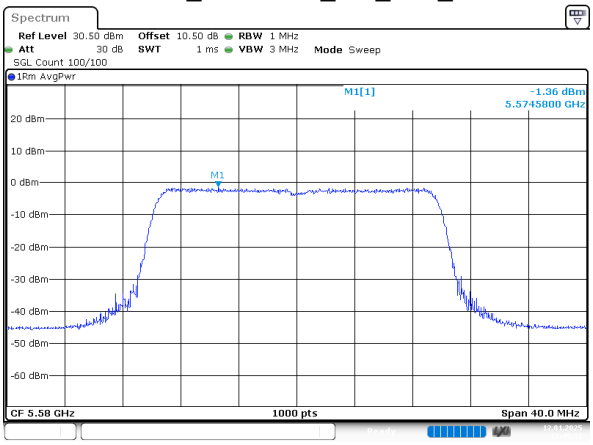

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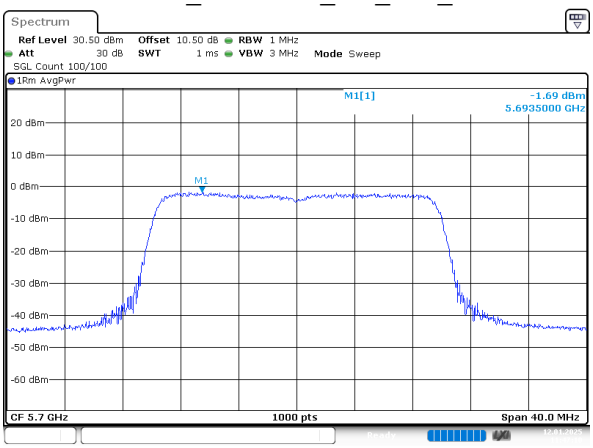
802.11ax20_5700MHz_RU_Full_Chain 0



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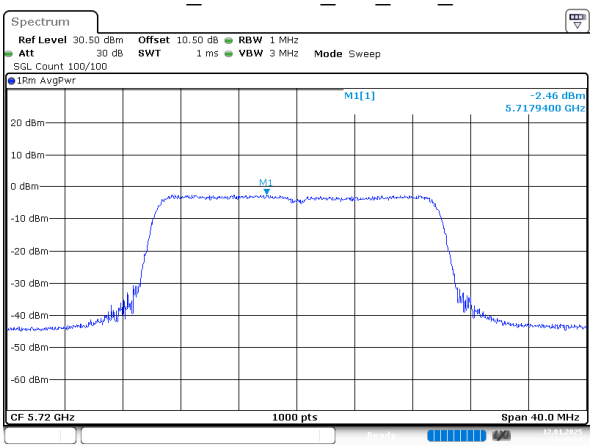

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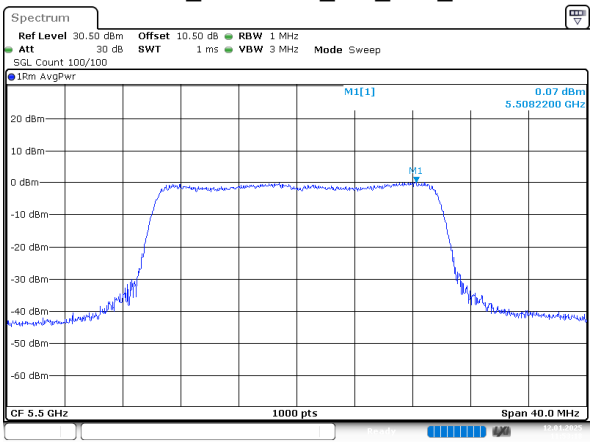
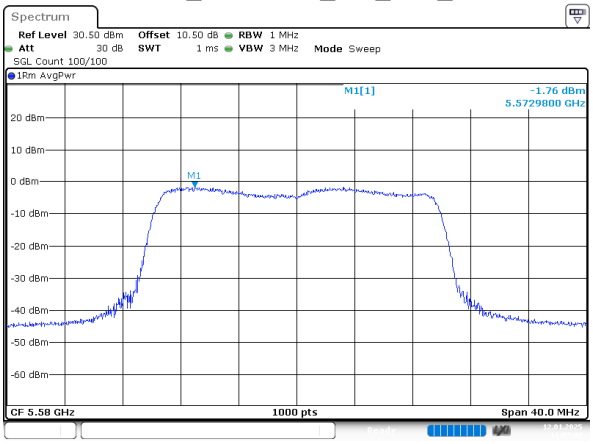
802.11ax20_5500MHz_RU_Full_Chain 1



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 11:53:19

802.11ax20_5580MHz_RU_Full_Chain 1



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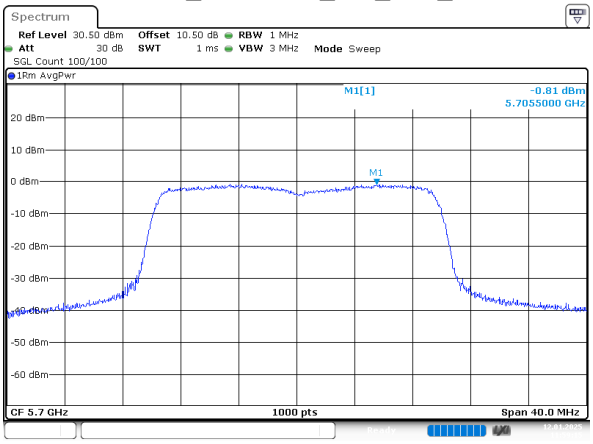
Date: 12.JAN.2025 11:57:49

802.11ax20_5700MHz_RU_Full_Chain 1



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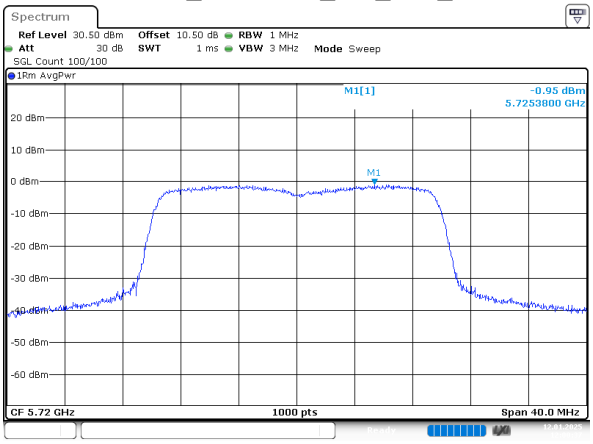
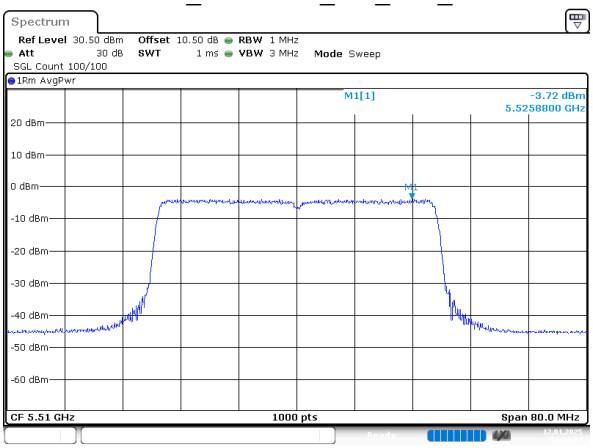
802.11ax20_5720MHz_RU_Full_Chain 1



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 12:00:37

802.11ax40_5510MHz_RU_Full_Chain 0



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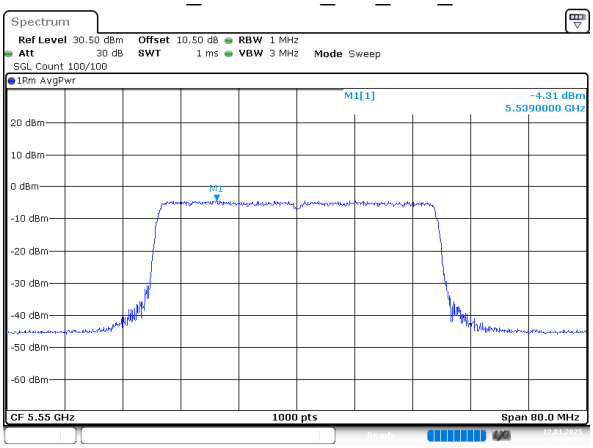

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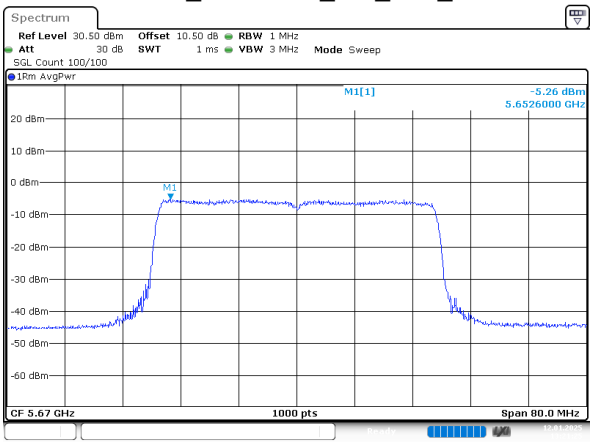
802.11ax40_5670MHz_RU_Full_Chain 0



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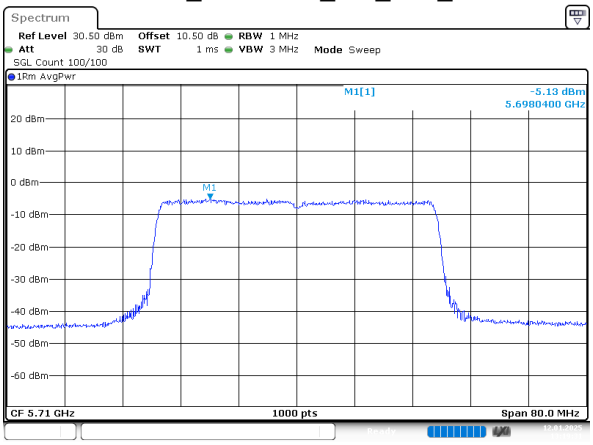
802.11ax40_5710MHz_RU_Full_Chain 0



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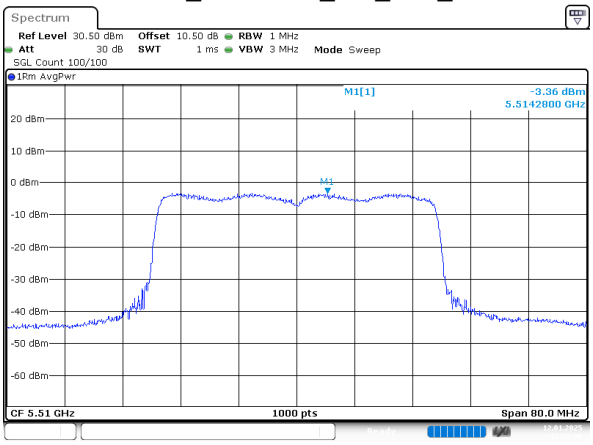
802.11ax40_5510MHz_RU_Full_Chain 1



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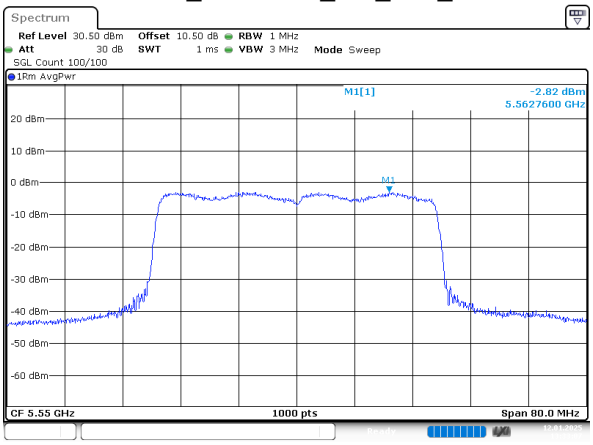
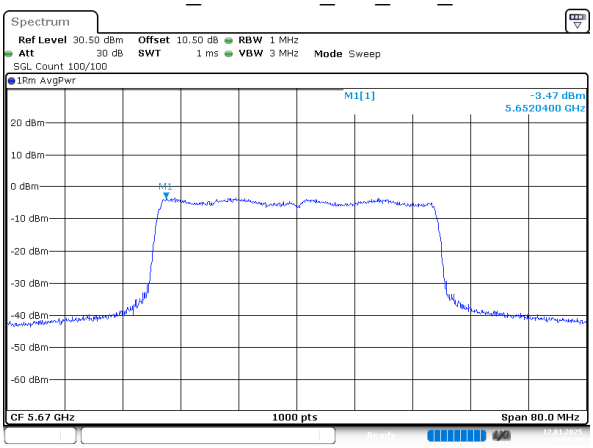
802.11ax40_5550MHz_RU_Full_Chain 1



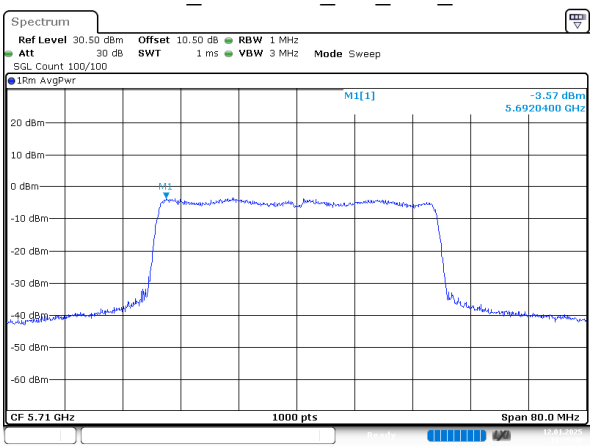
ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:33:07

802.11ax40_5670MHz_RU_Full_Chain 1



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:34:40

802.11ax40_5710MHz_RU_Full_Chain 1



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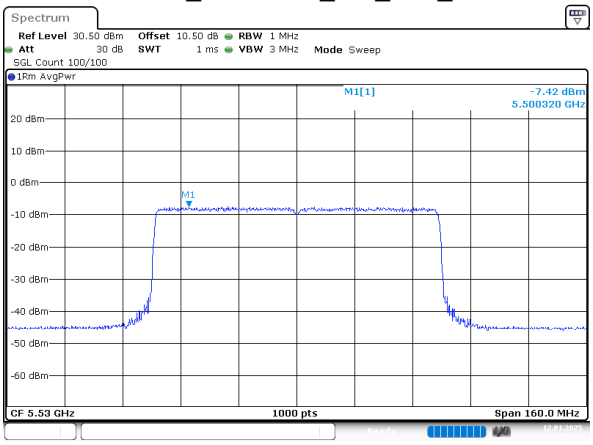
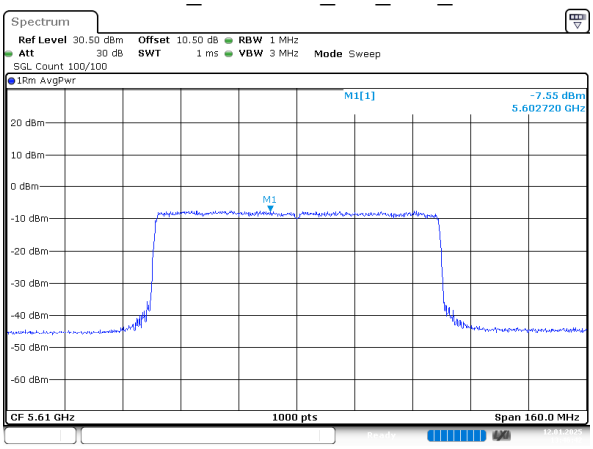
Date: 12.JAN.2025 13:35:40

802.11ax80_5530MHz_RU_Full_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:45:34

802.11ax80_5610MHz_RU_Full_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
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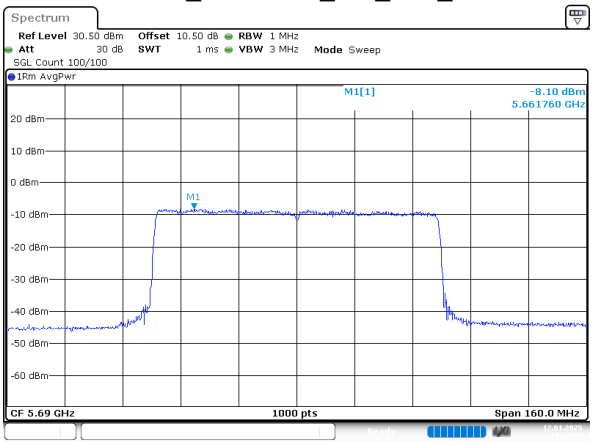
802.11ax80_5690MHz_RU_Full_Chain 0



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
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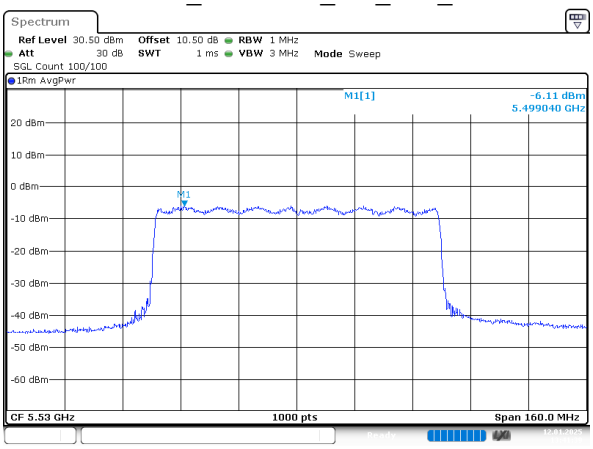
802.11ax80_5530MHz_RU_Full_Chain 1



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
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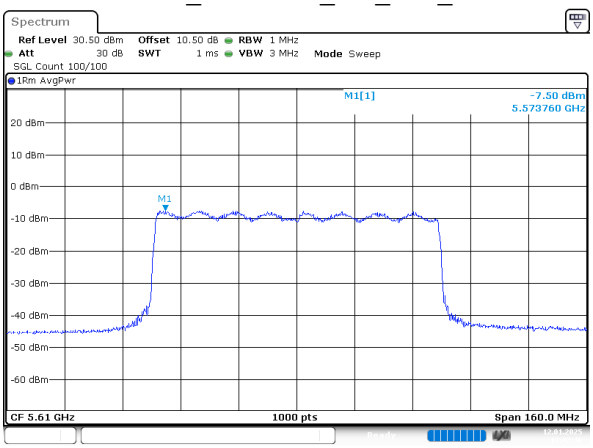
802.11ax80_5610MHz_RU_Full_Chain 1



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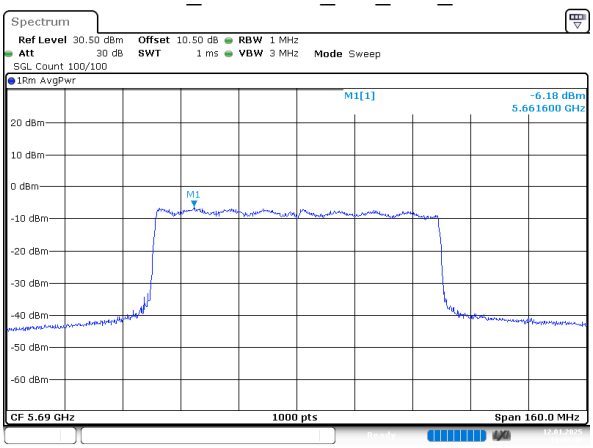
802.11ax80_5690MHz_RU_Full_Chain 1



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 13:43:49

5.8 Duty Cycle

Test Information:

Serial No.:	2VQP-1	**Test Date:**	2025/01/12~2025/01/21
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Karl Liang	**Test Result:**	/

Environmental Conditions:

Temperature: (°C):	19.2~22.1	**Relative Humidity: (%)**	27~43	**ATM Pressure: (kPa)**	101.0~102.4

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-EM504	2024/06/07	2025/06/06
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04

** 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:

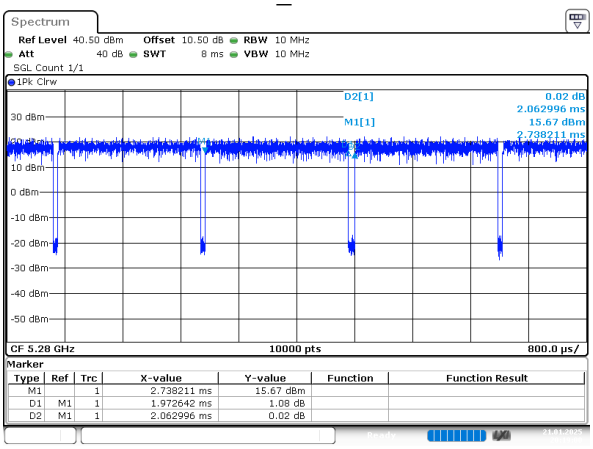
5250-5350MHz

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	5280	1.973	2.063	95.64	0.19	507	1
802.11n20	Chain 0	5280	5.422	5.688	95.32	0.21	184	0.200
802.11n40	Chain 0	5270	5.423	5.670	95.64	0.19	184	0.200
802.11ac20	Chain 0	5280	5.419	5.667	95.62	0.19	185	0.200
802.11ac40	Chain 0	5270	5.422	5.677	95.51	0.20	184	0.200
802.11ac80	Chain 0	5290	5.423	5.678	95.51	0.20	184	0.200
802.11ax20_RU_Full	Chain 0	5280	5.441	5.771	94.28	0.26	184	0.200
802.11ax40_RU_Full	Chain 0	5270	5.441	5.688	95.66	0.19	184	0.200
802.11ax80_RU_Full	Chain 0	5290	5.436	5.693	95.49	0.20	184	0.200

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

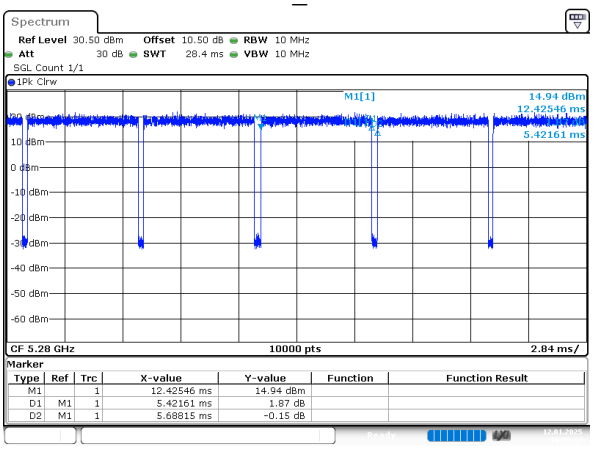
5250-5350MHz

802.11a_5280MHz



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 21.JAN.2025 20:19:00

802.11n20_5280MHz



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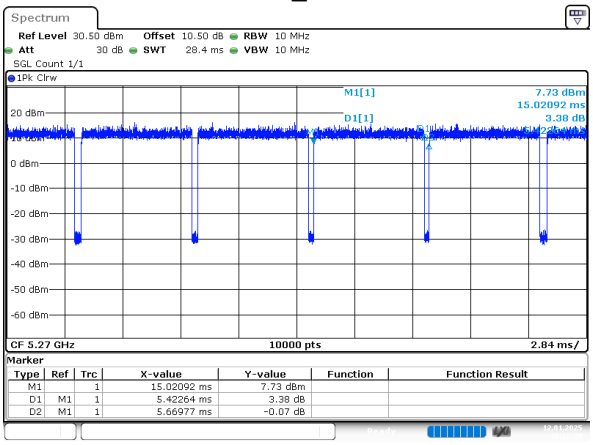
Date: 12.JAN.2025 10:08:17

802.11n40_5270MHz



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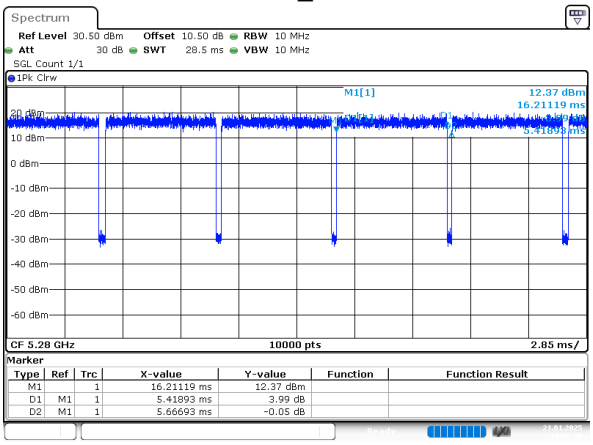
802.11ac20_5280MHz



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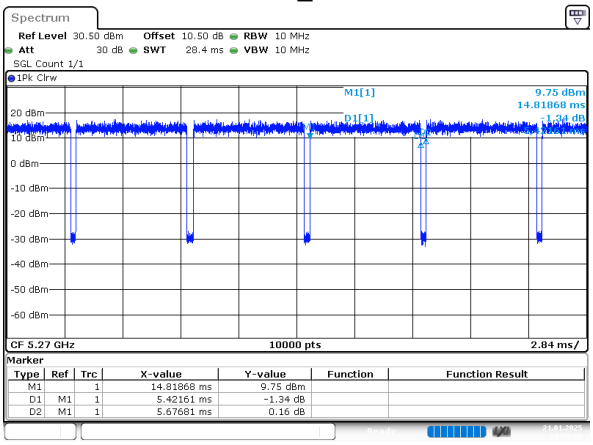
Date: 21.JAN.2025 19:47:30

802.11ac40_5270MHz



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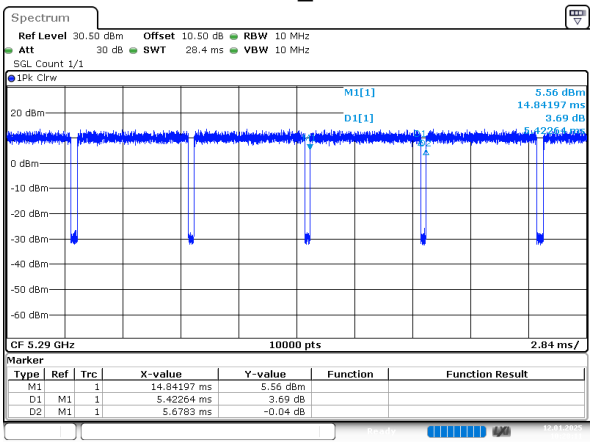
Date: 21.JAN.2025 20:06:50

802.11ac80_5290MHz



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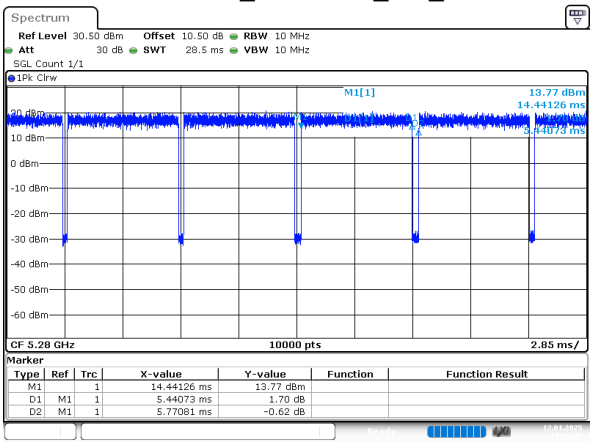
802.11ax20_5280MHz_RU_Full



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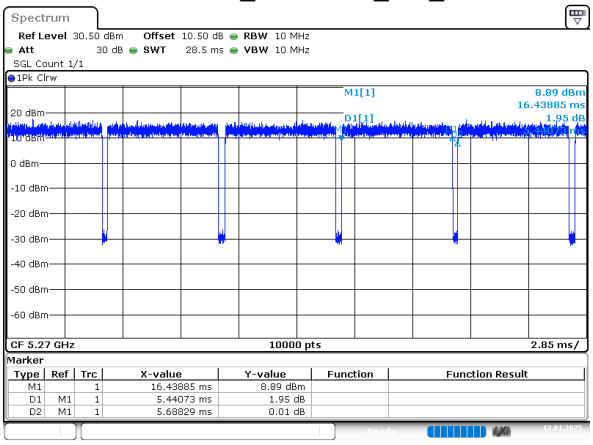
Date: 12.JAN.2025 13:49:42

802.11ax40_5270MHz_RU_Full



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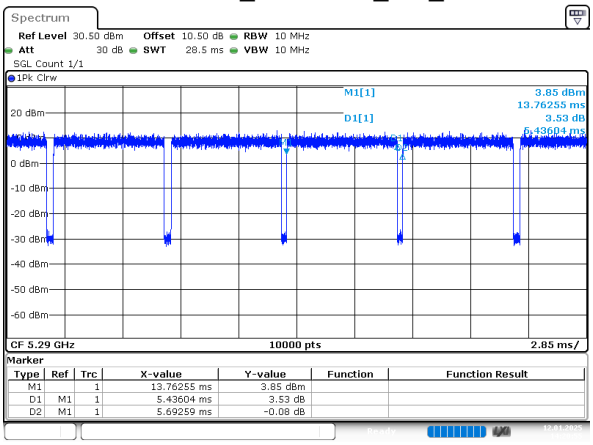
Date: 12.JAN.2025 14:01:47

802.11ax80_5290MHz_RU_Full



ProjectNo.:2402A54840E-RF-A1 Tester:Karl Liang
Date: 12.JAN.2025 14:20:55

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2402A54840E-RF-A1-EXP EUT EXTERNAL PHOTOGRAPHS and 2402A54840E-RF-A1-INP EUT INTERNAL PHOTOGRAPHS.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2402A54840E-RF-00BA1-TSP TEST SETUP PHOTOGRAPHS.

EXHIBIT C - RF EXPOSURE EVALUATION

Maximum Permissible Exposure (MPE)

Applicable Standard

According to subpart §1.1310, 15.407(f) systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (V/m)**	**Magnetic Field Strength (A/m)**	**Power Density (mW/cm^2)**	**Averaging Time (minutes)**
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f²)	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculation formula:

Prediction of power density at the distance of the applicable MPE limit
$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm^2);
P = power input to the antenna (in appropriate units, e.g., mW);
G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

Calculated Data:

Mode	Frequency (MHz)	Antenna Gain		Conducted output power including Tune-up Tolerance▲		Evaluation Distance (cm)	Power Density (mW/cm^2)	MPE Limit (mW/cm^2)
		(dBi)	(numeric)	(dBm)	(mW)			
2.4G Wifi	2412-2462	2.09	1.62	30	1000.00	20.00	0.322	1.0
5G Wifi	5150-5250	4.32	2.70	18.5	70.79	20.00	0.038	1.0
	5250-5350	4.32	2.70	18	63.10	20.00	0.034	1.0
	5470-5725	4.32	2.70	17	50.12	20.00	0.027	1.0
	5725-5850	4.32	2.70	18.5	70.79	20.00	0.038	1.0

Note:
The Conducted output power including Tune-up Tolerance provided by manufacturer.
2.4G Wifi and 5G Wifi can't transmit simultaneously.

Result: The device meet FCC MPE at 20 cm distance

Exemption Limits For Routine Evaluation-RF Exposure Evaluation

Applicable Standard

RSS-102, Issue 6, Clause 6.6:

Field reference level (FRL) exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm (i.e. mobile devices), except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);

- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz;

- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);

- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;

- at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).

In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the e.i.r.p. was derived.

Calculated Data:

Mode	Frequency (MHz)	Antenna Gain	Conducted output power including Tune-up Tolerance▲	EIRP		Exemption limits (mW)
		(dBi)	(dBm)	(dBm)	(mW)	
2.4G Wifi	2412-2462	2.09	30	32.09	1618.08	2684
5G Wifi	5150-5250	4.32	18.5	22.82	191.43	4507
	5250-5350	4.32	18	22.32	170.61	4567
	5470-5725	4.32	17	21.32	135.52	4697
	5725-5850	4.32	18.5	22.82	191.43	4845

Note:
The Conducted output power including Tune-up Tolerance was provided by manufacturer.
2.4G Wifi and 5G Wifi can't transmit simultaneously.

Result: So the device is compliance with the exemption from Routine Evaluation Limits –RF exposure Evaluation.

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