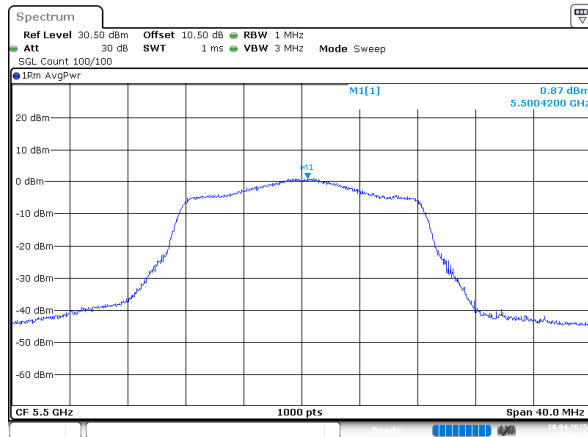


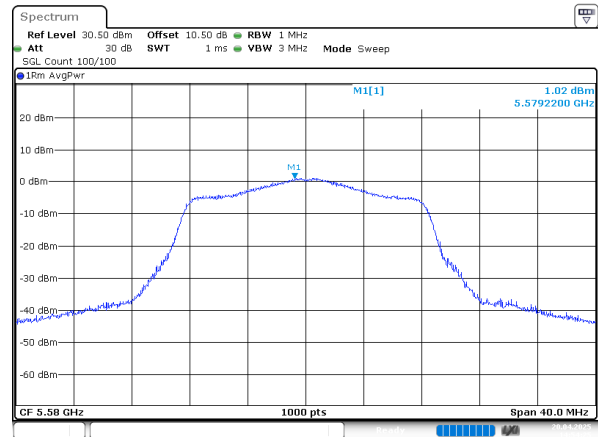
5470-5725MHz

802.11a_5500MHz_Chain 0



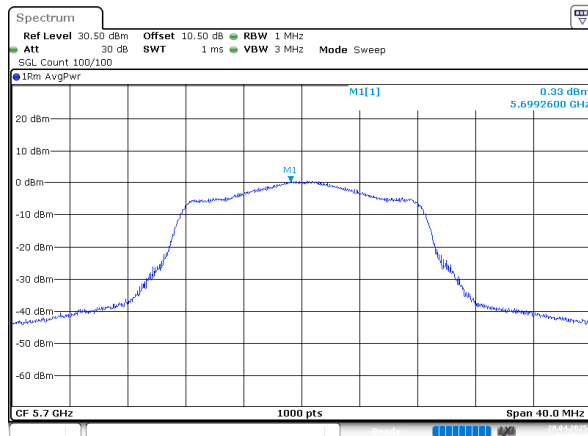
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 20.APR.2025 14:53:22

802.11a_5580MHz_Chain 0



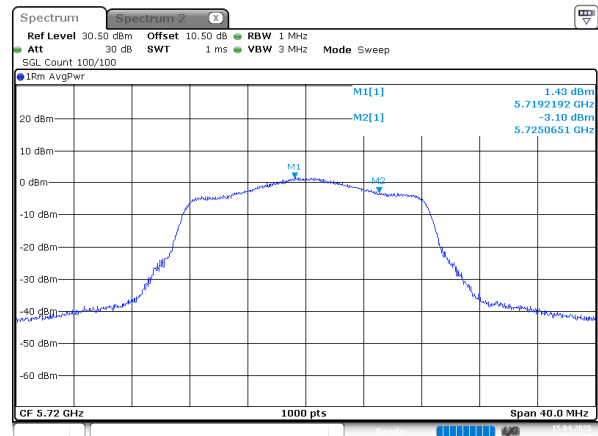
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 20.APR.2025 14:54:26

802.11a_5700MHz_Chain 0



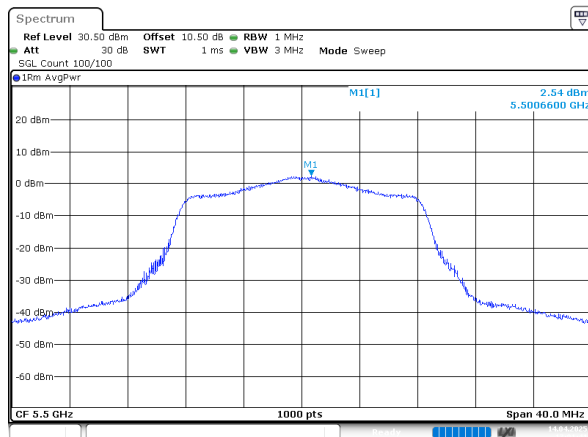
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Date: 20.APR.2025 14:55:23

802.11a_5720MHz_Chain 0



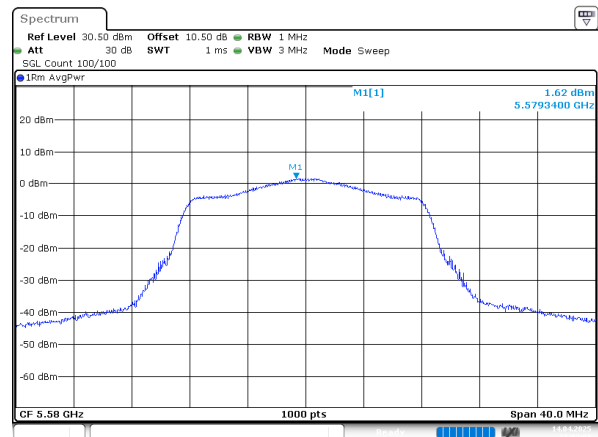
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 15.APR.2025 17:38:18

802.11a_5500MHz_Chain 1



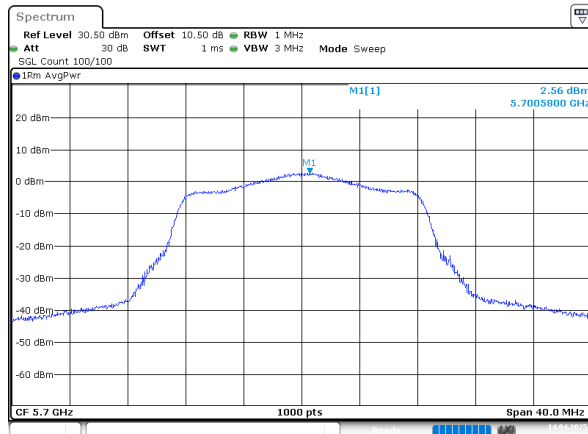
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Date: 14.APR.2025 17:01:41

802.11a_5580MHz_Chain 1



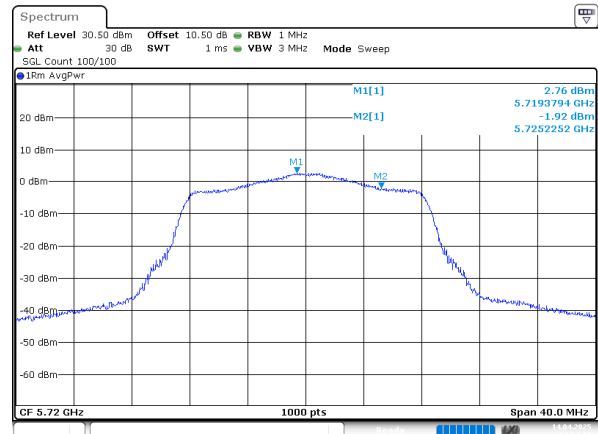
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Date: 14.APR.2025 17:03:01

802.11a_5700MHz_Chain 1



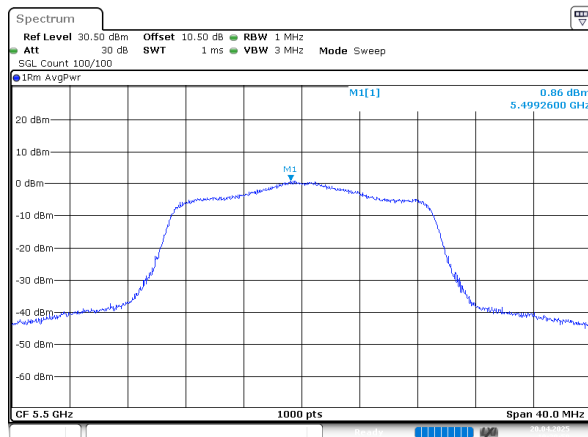
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802.11a_5720MHz_Chain 1



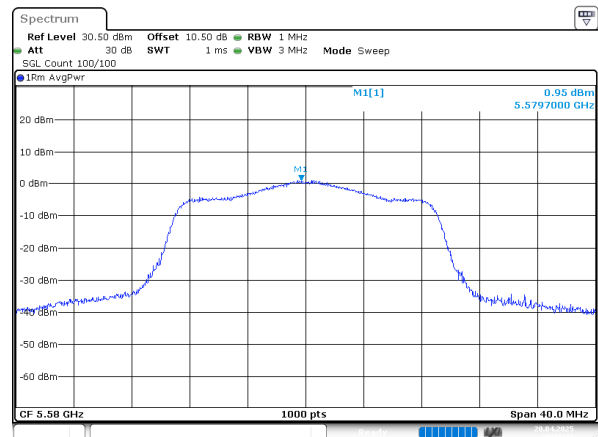
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802.11n20_5500MHz_Chain 0



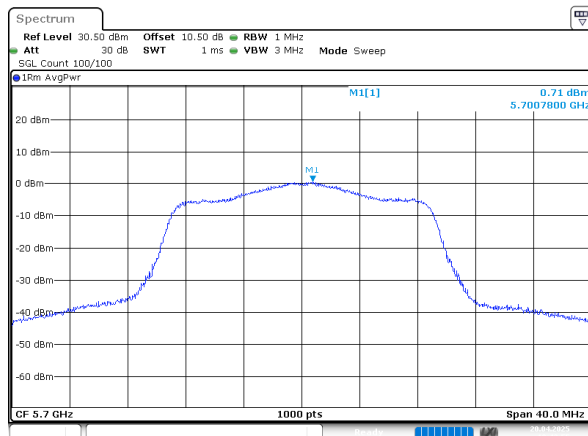
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802.11n20_5580MHz_Chain 0



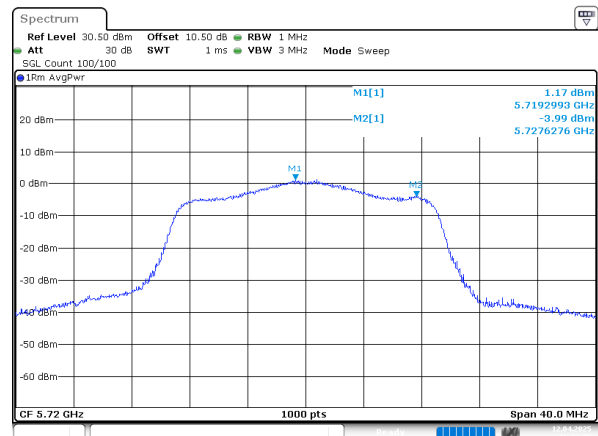
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 20.APR.2025 19:41:32

802.11n20_5700MHz_Chain 0



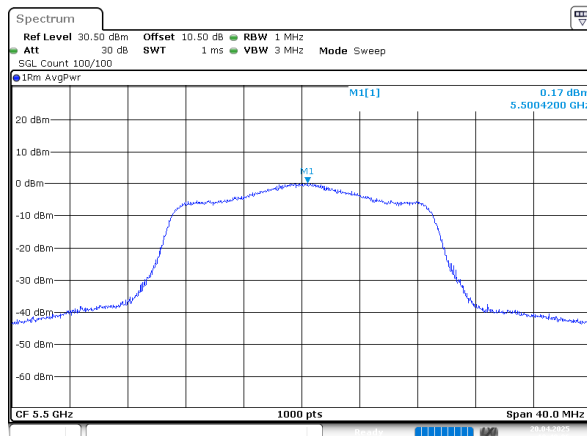
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Date: 20.APR.2025 19:42:56

802.11n20_5720MHz_Chain 0



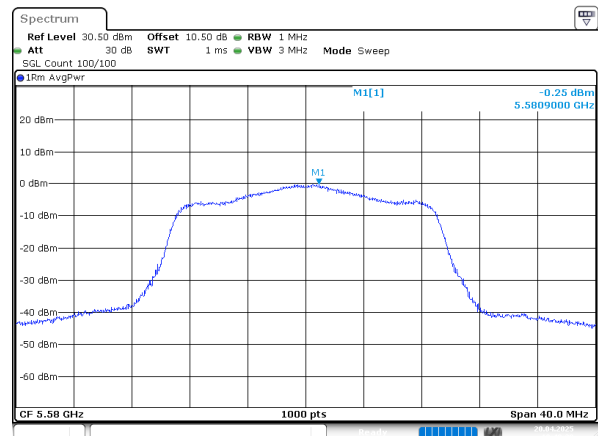
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Date: 12.APR.2025 16:22:06

802.11n20_5500MHz_Chain 1



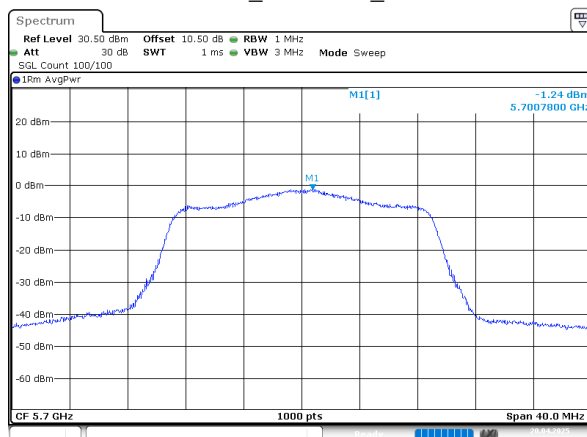
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802.11n20_5580MHz_Chain 1



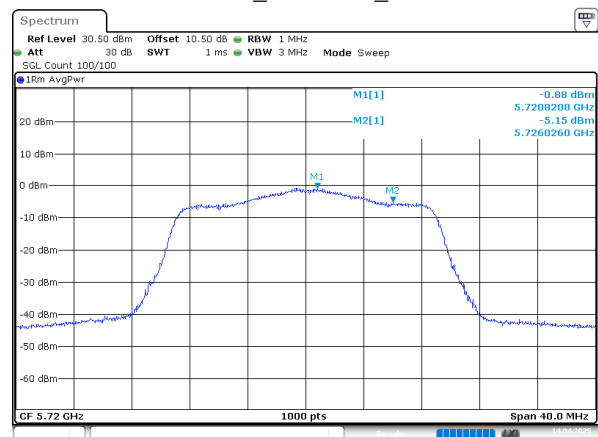
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802.11n20_5700MHz_Chain 1



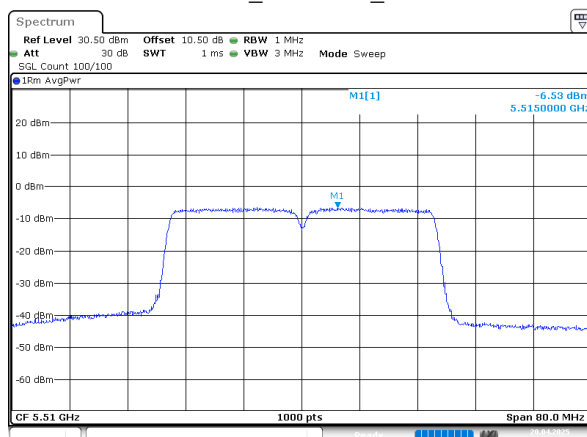
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Date: 20.APR.2025 19:51:29

802.11n20_5720MHz_Chain 1



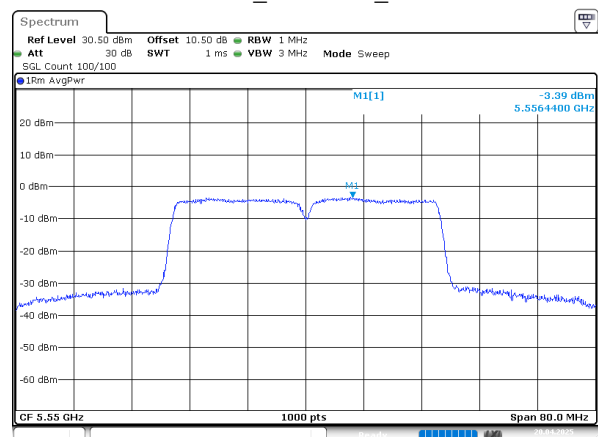
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Date: 14.APR.2025 17:08:31

802.11n40_5510MHz_Chain 0



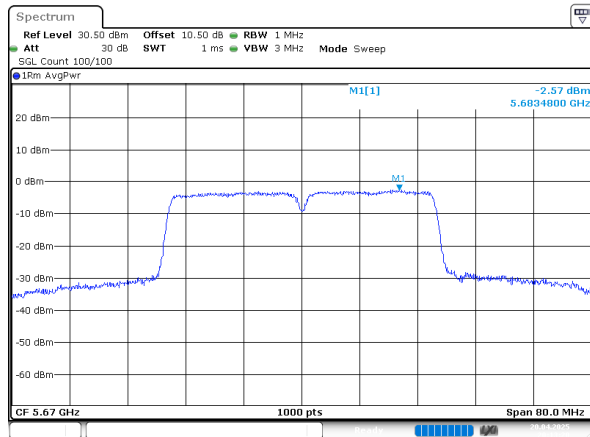
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Date: 20.APR.2025 20:12:10

802.11n40_5550MHz_Chain 0



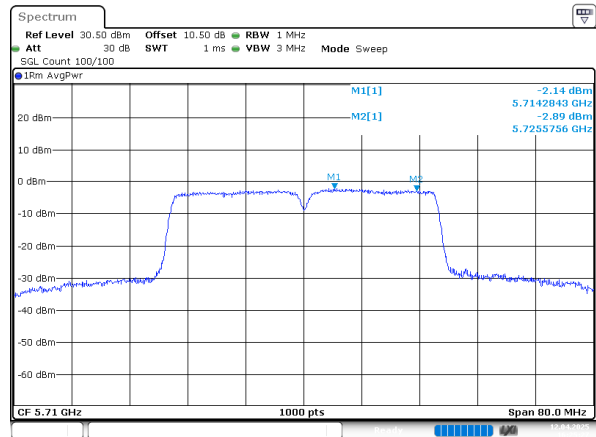
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 20.APR.2025 20:13:01

802.11n40_5670MHz_Chain 0



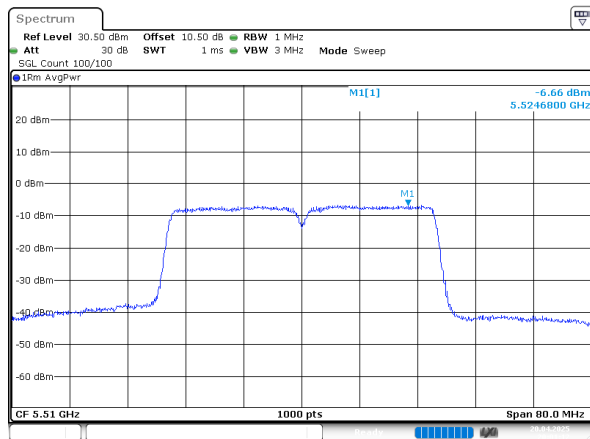
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802.11n40_5710MHz_Chain 0



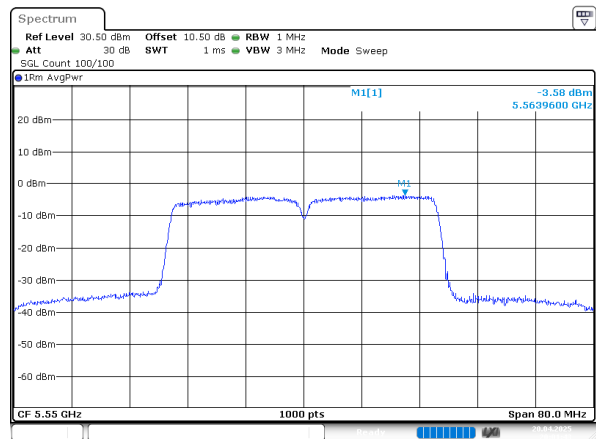
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Date: 12.APR.2025 16:25:27

802.11n40_5510MHz_Chain 1



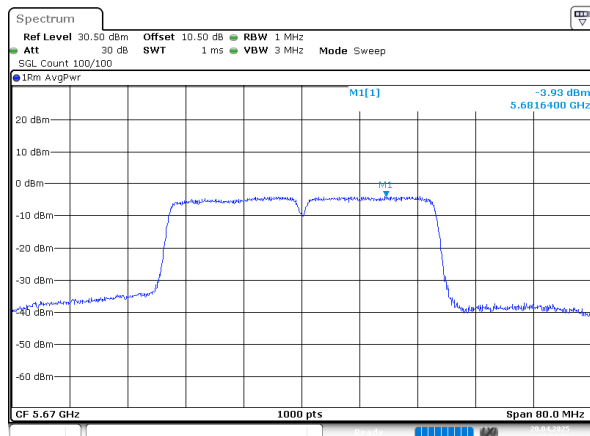
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Date: 20.APR.2025 20:01:13

802.11n40_5550MHz_Chain 1



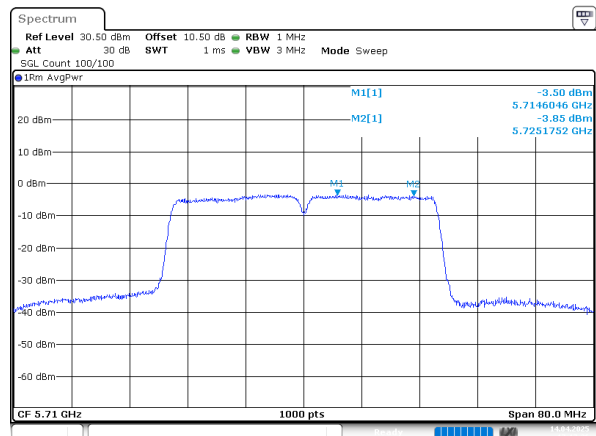
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802.11n40_5670MHz_Chain 1



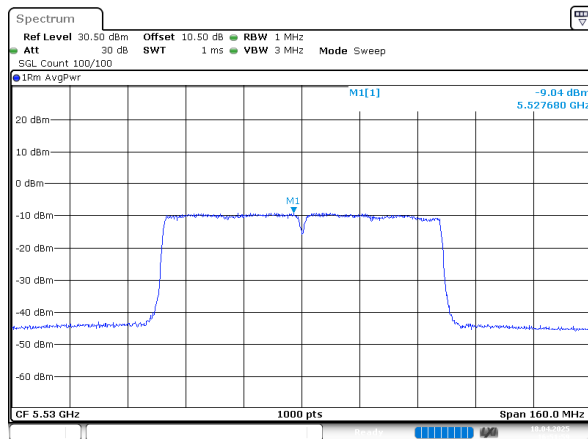
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802.11n40_5710MHz_Chain 1



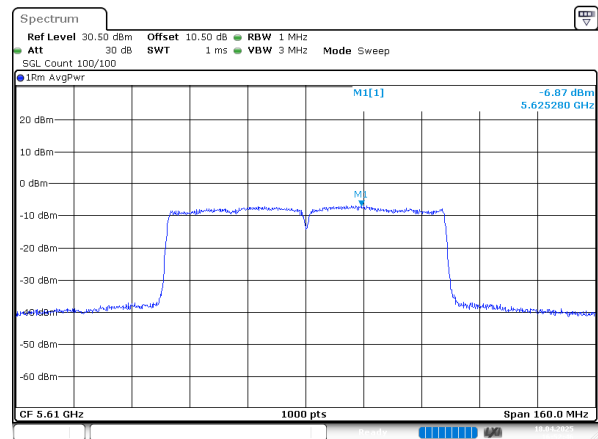
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 14.APR.2025 17:17:26

802.11ac80_5530MHz_Chain 0



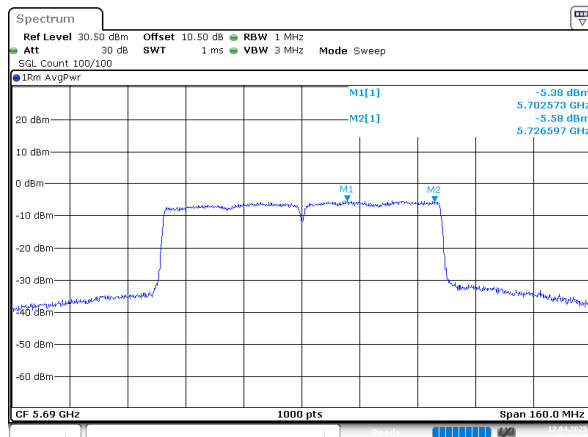
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Date: 18.APR.2025 16:52:00

802.11ac80_5610MHz_Chain 0



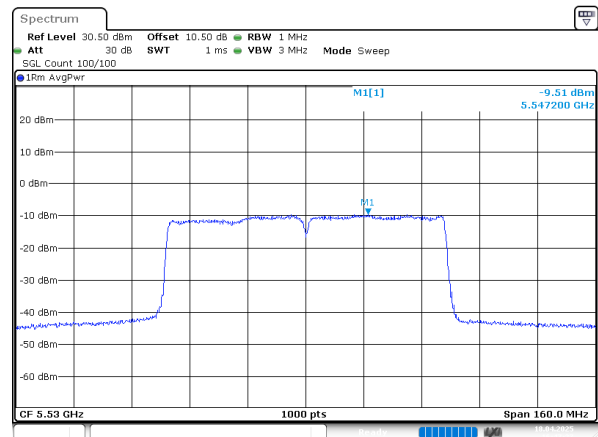
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Date: 18.APR.2025 16:52:46

802.11ac80_5690MHz_Chain 0



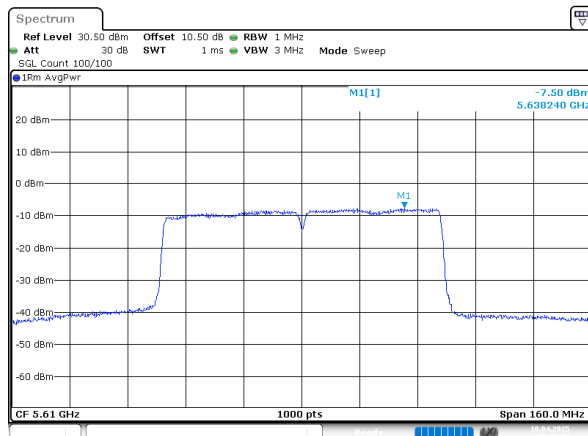
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802.11ac80_5530MHz_Chain 1



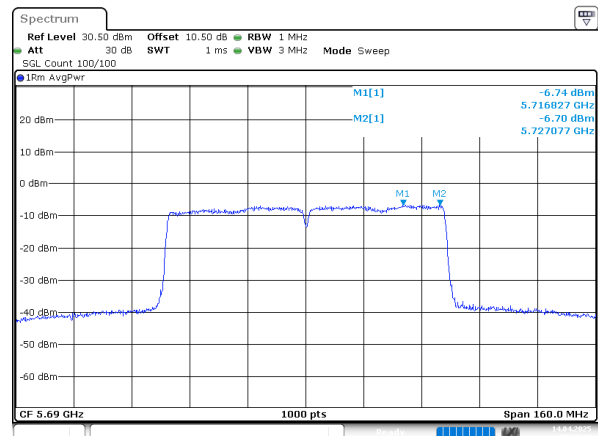
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 18.APR.2025 16:47:28

802.11ac80_5610MHz_Chain 1



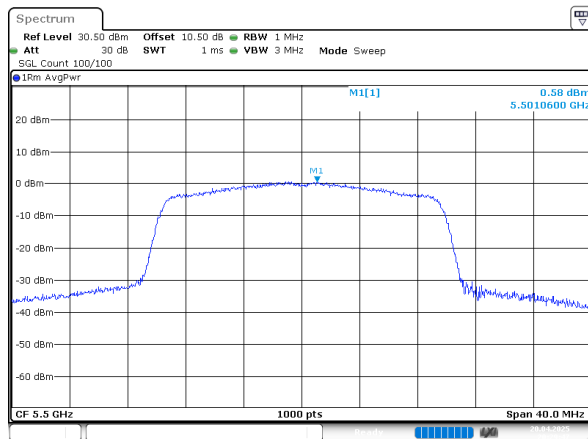
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Date: 18.APR.2025 16:48:23

802.11ac80_5690MHz_Chain 1



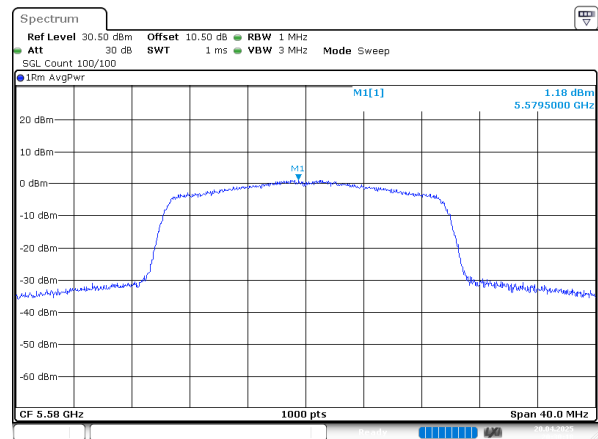
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Date: 14.APR.2025 17:20:14

802.11ax20_5500MHz_RU_Full_Chain 0



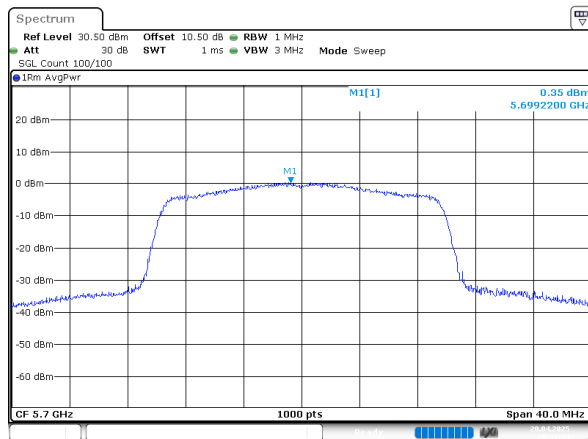
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Date: 20.APR.2025 20:29:48

802.11ax20_5580MHz_RU_Full_Chain 0



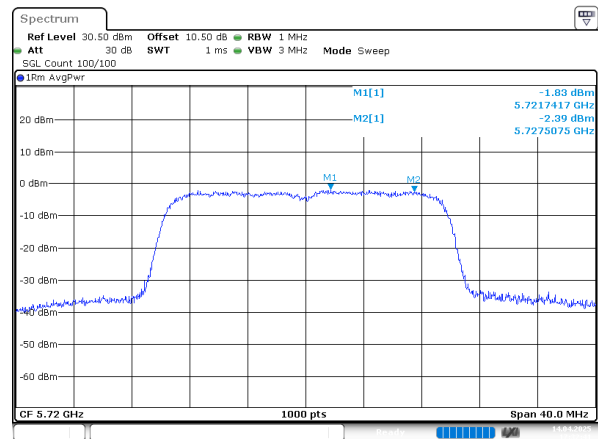
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Date: 20.APR.2025 20:30:18

802.11ax20_5700MHz_RU_Full_Chain 0



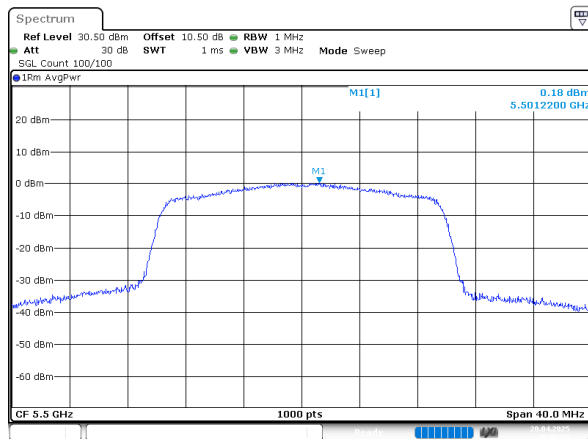
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802.11ax20_5720MHz_RU_Full_Chain 0



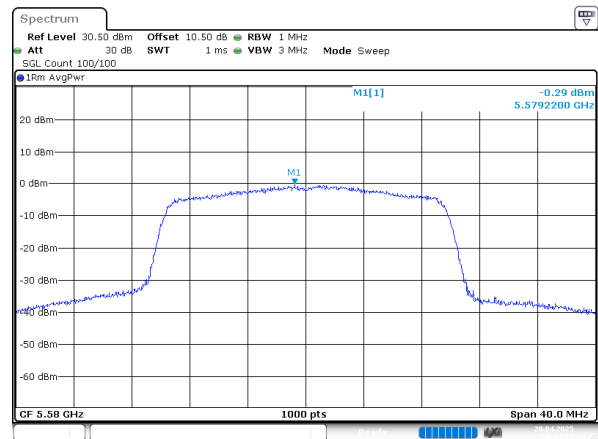
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Date: 14.APR.2025 17:32:41

802.11ax20_5500MHz_RU_Full_Chain 1



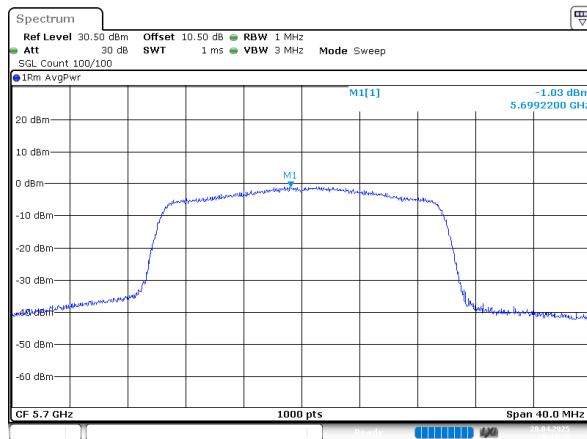
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 20.APR.2025 20:42:09

802.11ax20_5580MHz_RU_Full_Chain 1



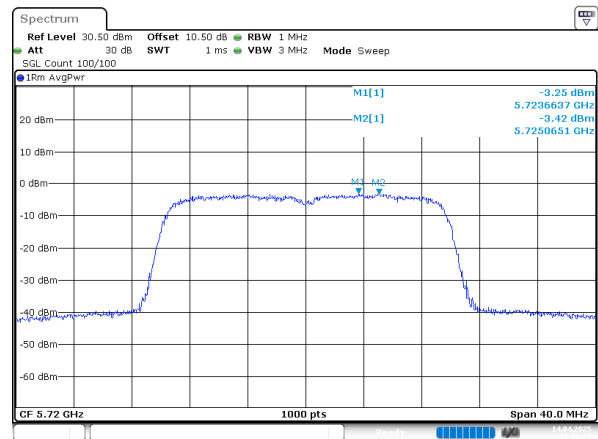
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 20.APR.2025 20:44:13

802.11ax20_5700MHz_RU_Full_Chain 1



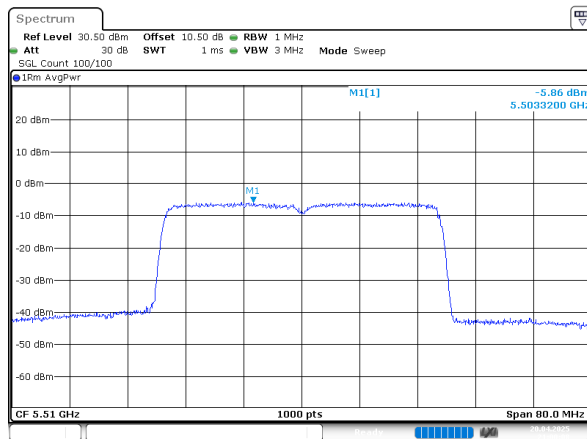
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802.11ax20_5720MHz_RU_Full_Chain 1



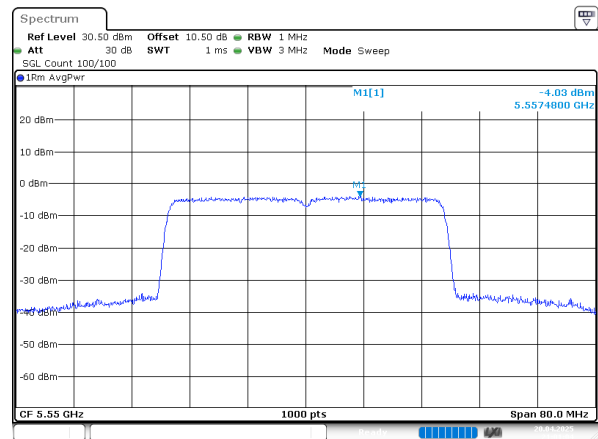
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802.11ax40_5510MHz_RU_Full_Chain 0



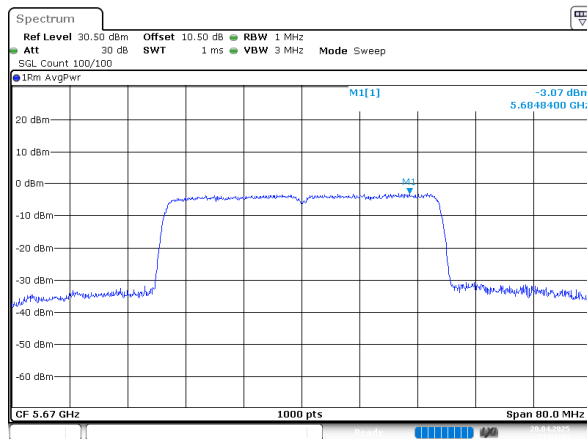
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802.11ax40_5550MHz_RU_Full_Chain 0



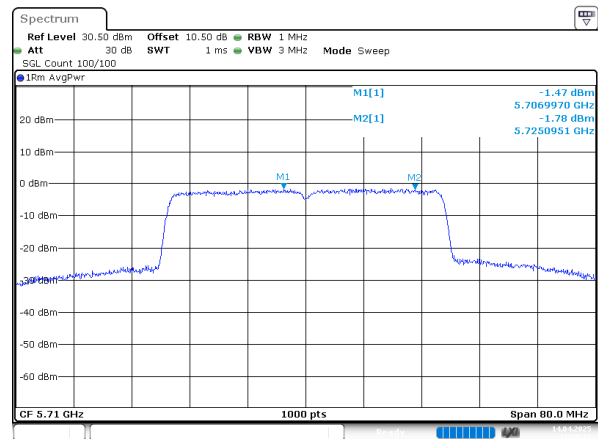
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Date: 20.APR.2025 21:01:05

802.11ax40_5670MHz_RU_Full_Chain 0



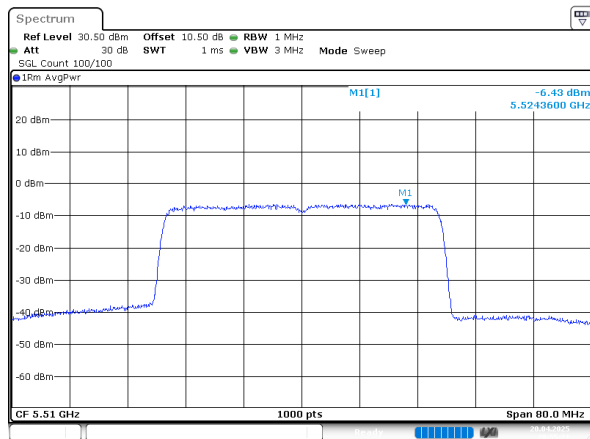
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Date: 20.APR.2025 21:01:46

802.11ax40_5710MHz_RU_Full_Chain 0



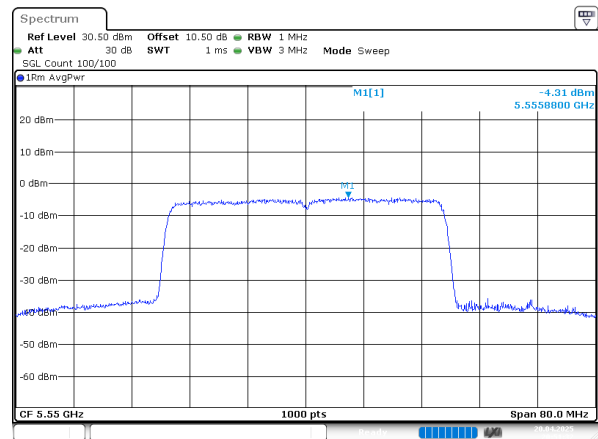
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Date: 14.APR.2025 17:38:11

802.11ax40_5510MHz_RU_Full_Chain 1



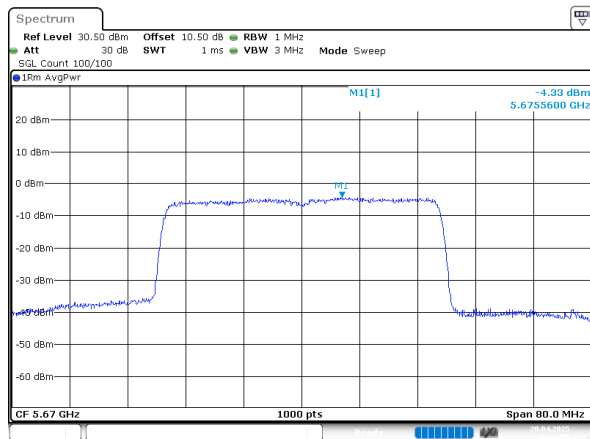
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Date: 20.APR.2025 20:55:22

802.11ax40_5550MHz_RU_Full_Chain 1



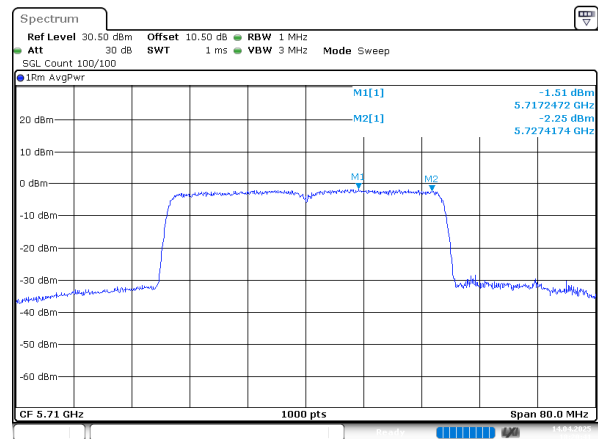
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Date: 20.APR.2025 20:51:32

802.11ax40_5670MHz_RU_Full_Chain 1



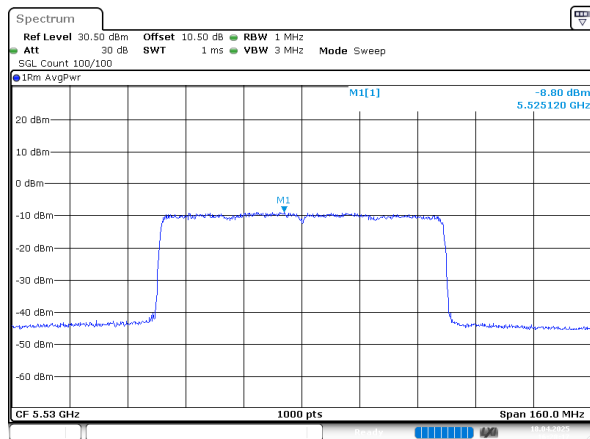
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Date: 20.APR.2025 20:51:59

802.11ax40_5710MHz_RU_Full_Chain 1



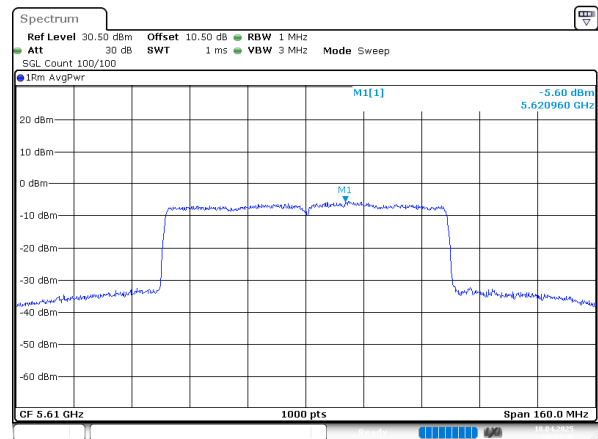
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Date: 14.APR.2025 10:20:41

802.11ax80_5530MHz_RU_Full_Chain 0



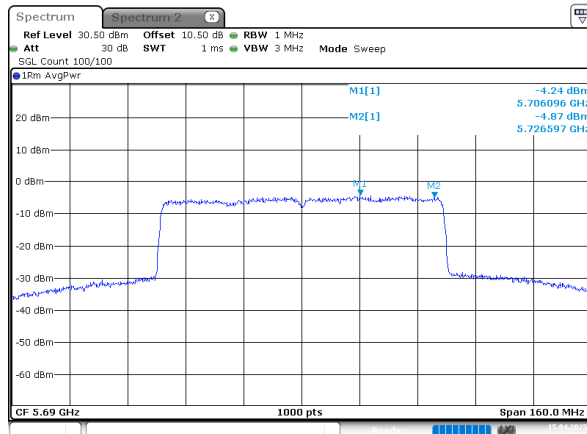
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Date: 18.APR.2025 16:28:18

802.11ax80_5610MHz_RU_Full_Chain 0



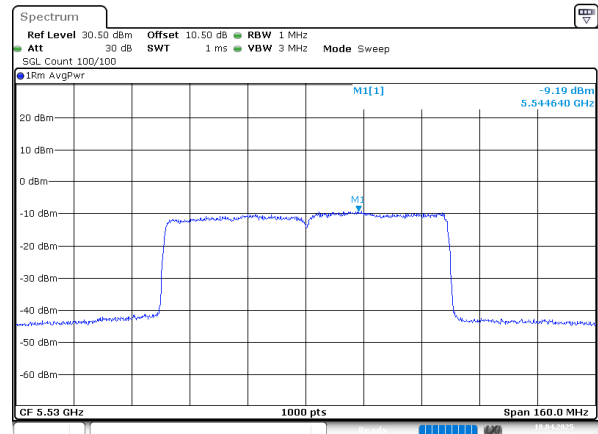
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Date: 18.APR.2025 16:34:47

802.11ax80_5690MHz_RU_Full_Chain 0



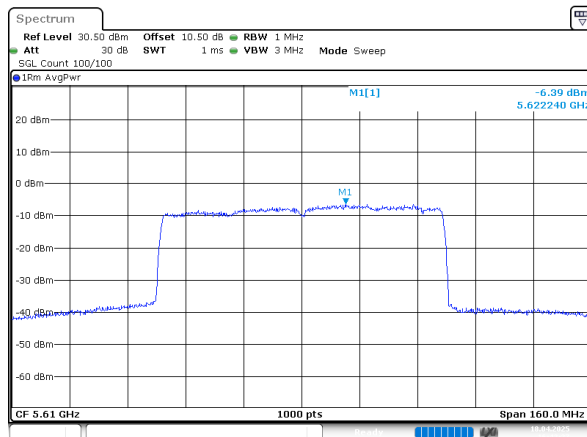
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Date: 15.APR.2025 17:43:58

802.11ax80_5530MHz_RU_Full_Chain 1



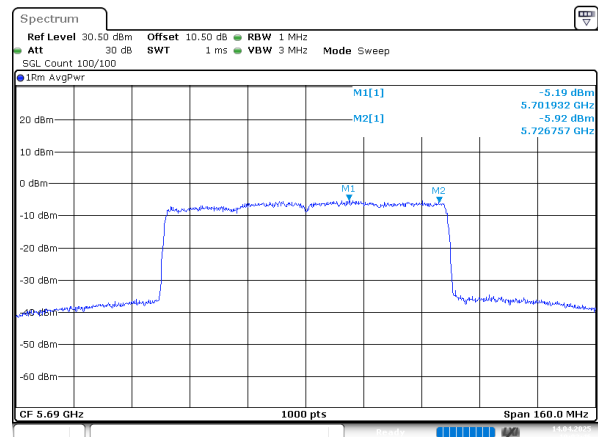
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 18.APR.2025 16:42:45

802.11ax80_5610MHz_RU_Full_Chain 1



ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 18.APR.2025 16:43:28

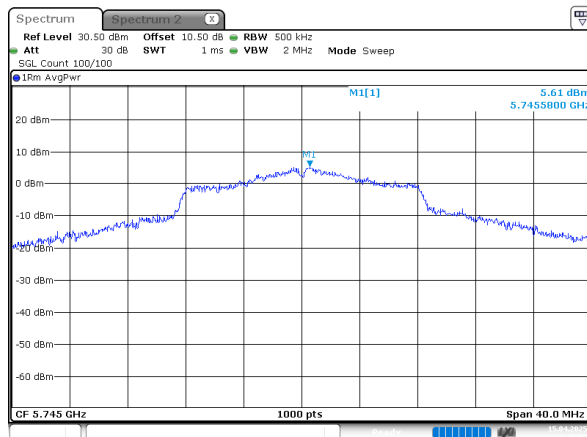
802.11ax80_5690MHz_RU_Full_Chain 1



ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 14.APR.2025 19:02:46

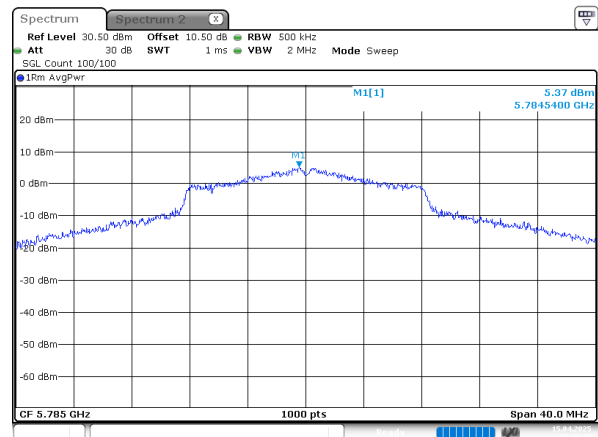
5725-5850MHz

802.11a_5745MHz_Chain 0



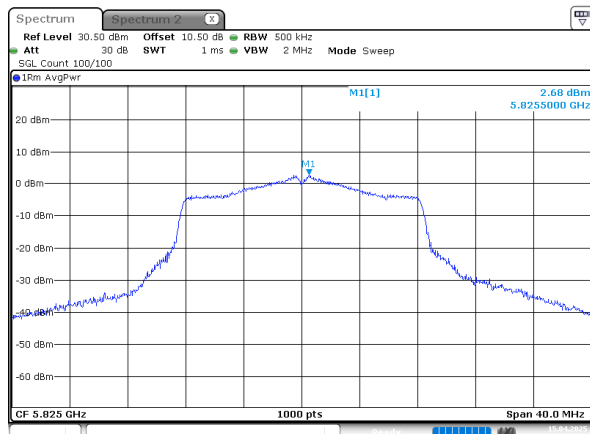
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Date: 15.APR.2025 17:45:04

802.11a_5785MHz_Chain 0



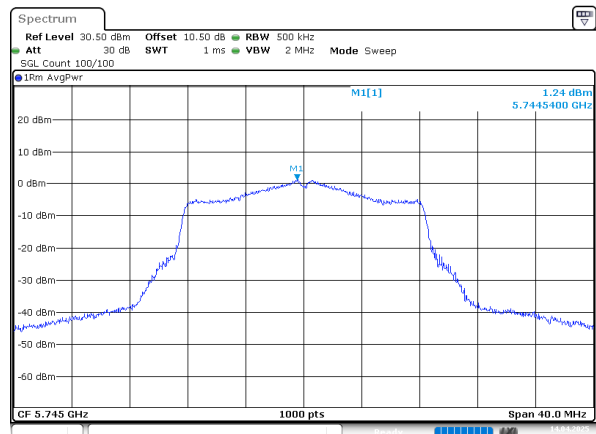
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802.11a_5825MHz_Chain 0



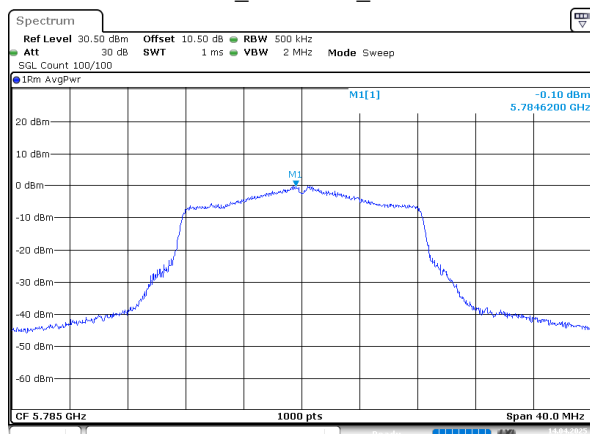
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Date: 15.APR.2025 17:46:41

802.11a_5745MHz_Chain 1



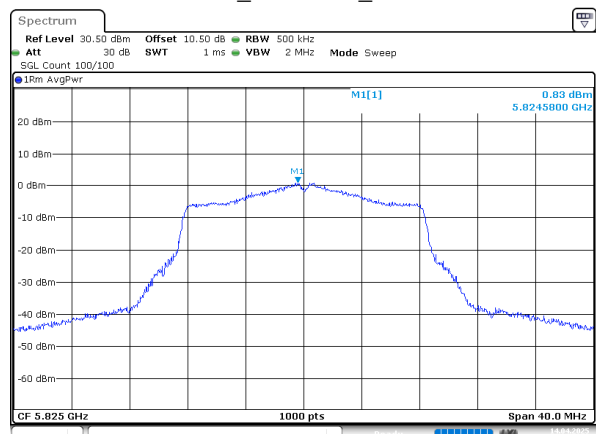
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802.11a_5785MHz_Chain 1



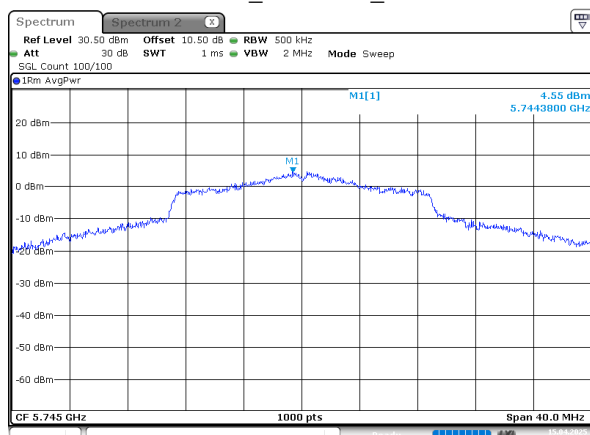
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802.11a_5825MHz_Chain 1



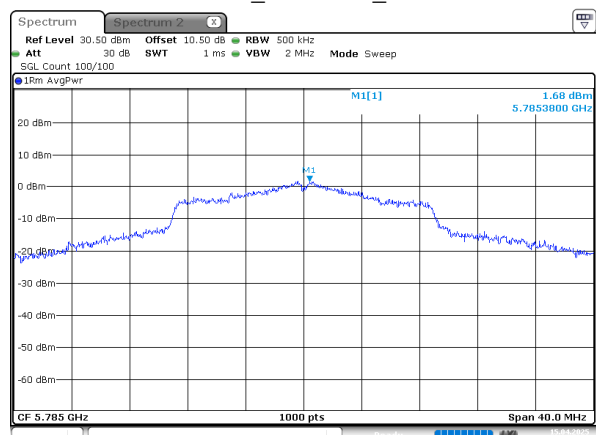
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Date: 14.APR.2025 19:14:11

802.11n20_5745MHz_Chain 0



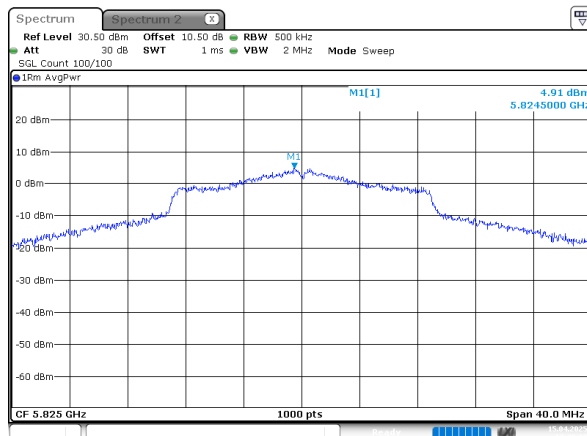
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 15.APR.2025 17:47:55

802.11n20_5785MHz_Chain 0



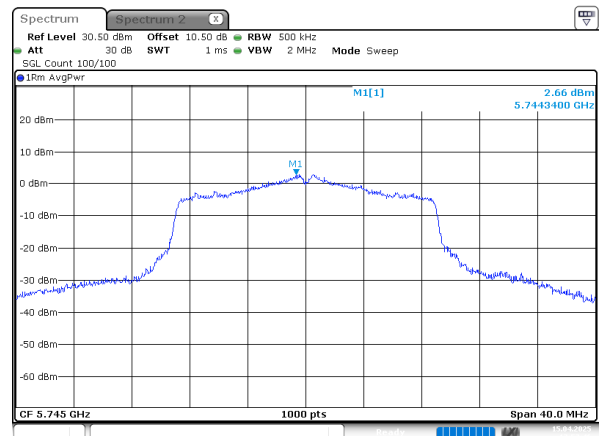
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 15.APR.2025 17:48:20

802.11n20_5825MHz_Chain 0



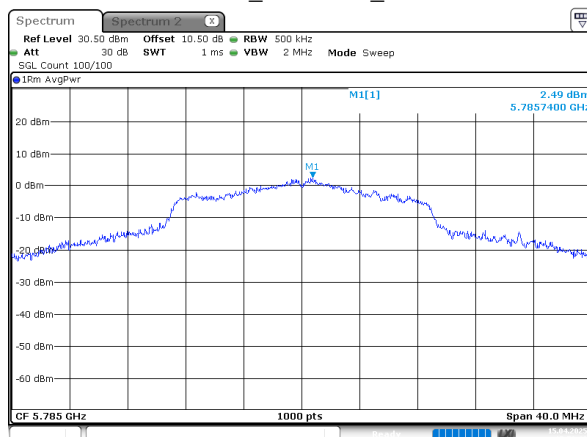
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 15.APR.2025 17:49:12

802.11n20_5745MHz_Chain 1



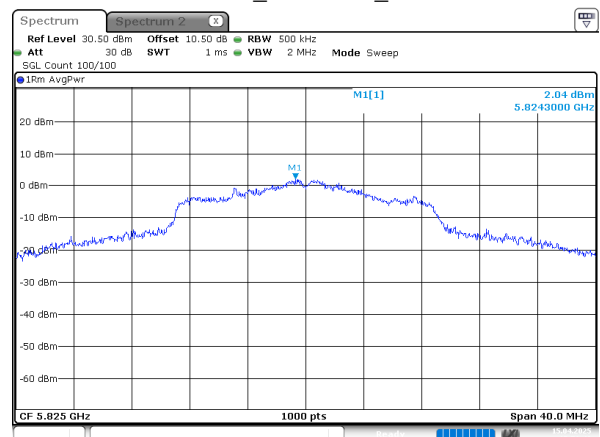
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802.11n20_5785MHz_Chain 1



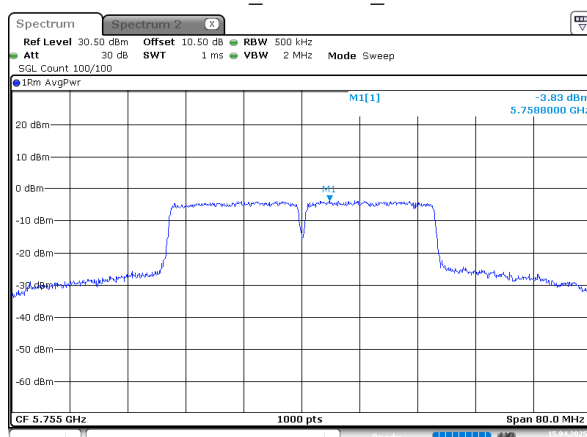
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Date: 15.APR.2025 17:59:10

802.11n20_5825MHz_Chain 1



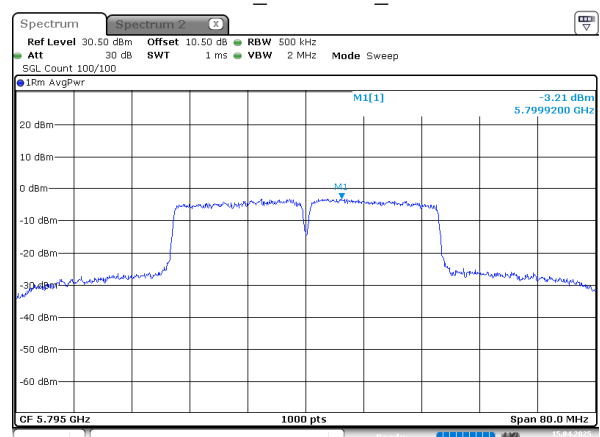
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 15.APR.2025 17:59:45

802.11n40_5755MHz_Chain 0



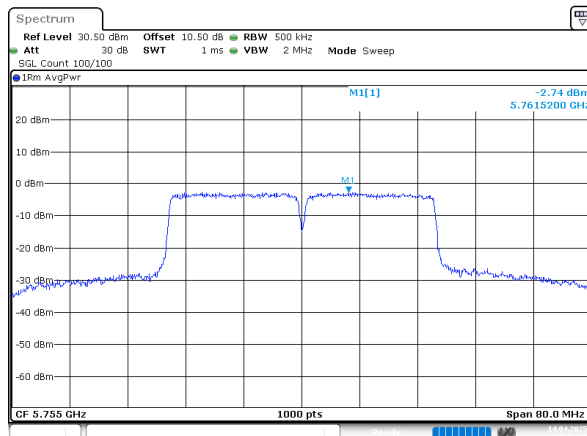
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Date: 15.APR.2025 18:01:18

802.11n40_5795MHz_Chain 0



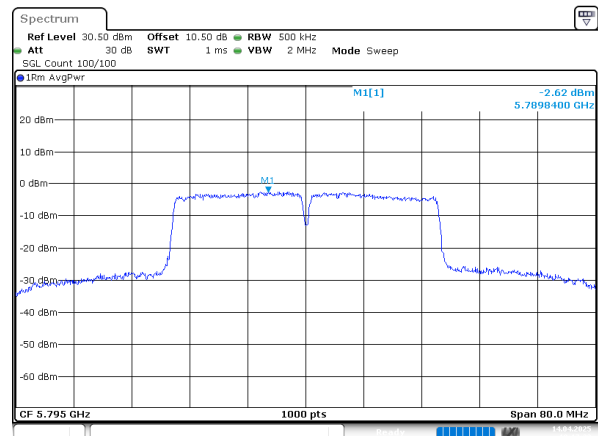
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Date: 15.APR.2025 18:02:25

802.11n40_5755MHz_Chain 1



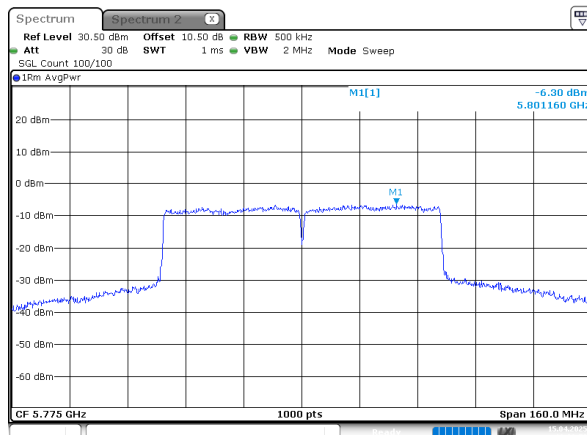
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Date: 14.APR.2025 19:16:41

802.11n40_5795MHz_Chain 1



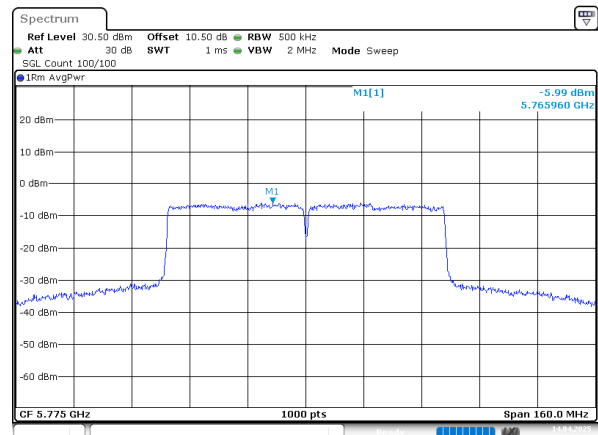
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Date: 14.APR.2025 19:17:22

802.11ac80_5775MHz_Chain 0



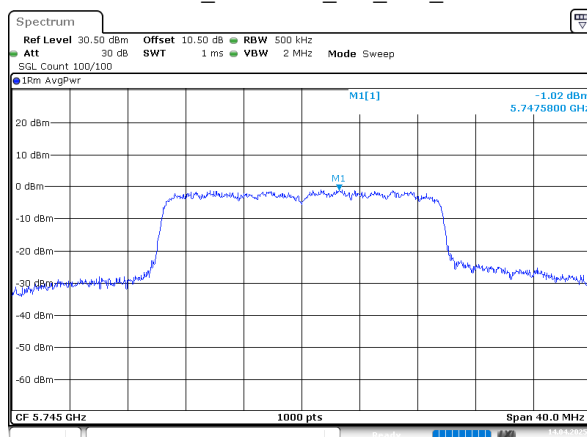
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Date: 15.APR.2025 18:03:49

802.11ac80_5775MHz_Chain 1



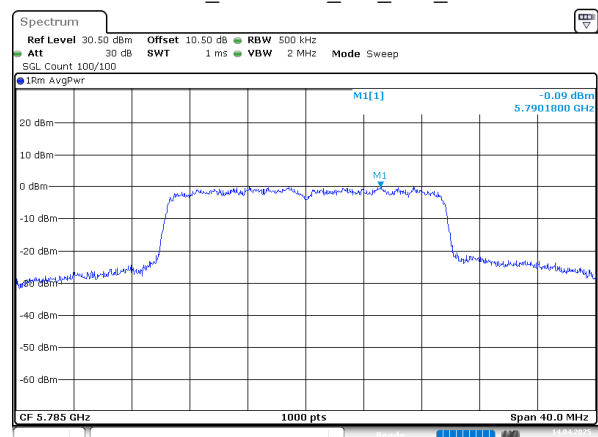
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Date: 14.APR.2025 19:18:10

802.11ax20_5745MHz_RU_Full_Chain 0



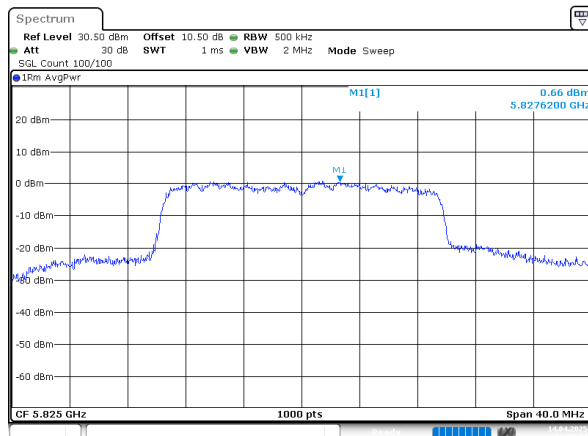
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Date: 14.APR.2025 19:19:36

802.11ax20_5785MHz_RU_Full_Chain 0



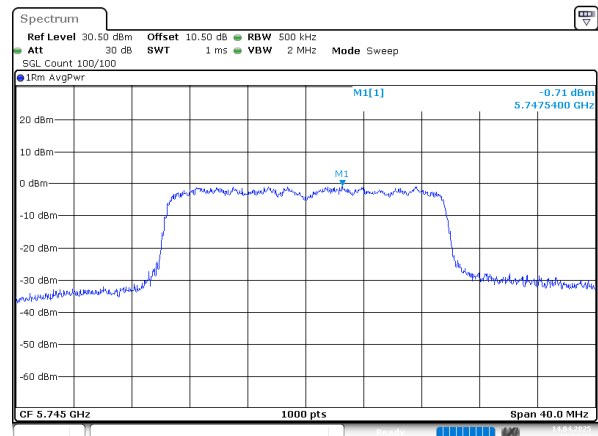
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 14.APR.2025 19:20:08

802.11ax20_5825MHz_RU_Full_Chain 0



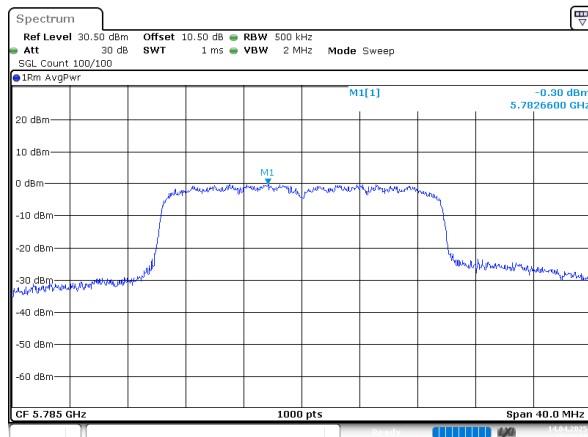
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Date: 14.APR.2025 19:20:34

802.11ax20_5745MHz_RU_Full_Chain 1



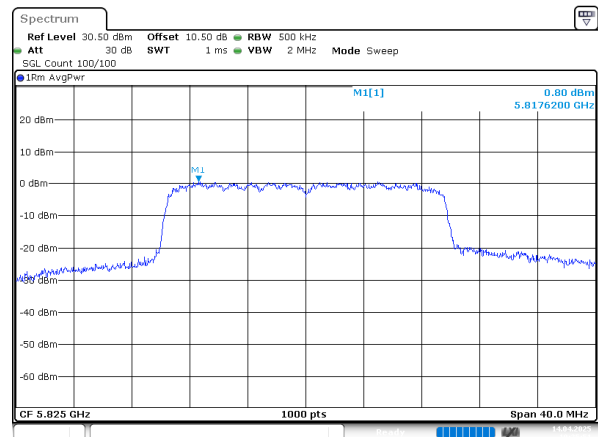
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Date: 14.APR.2025 19:24:44

802.11ax20_5785MHz_RU_Full_Chain 1



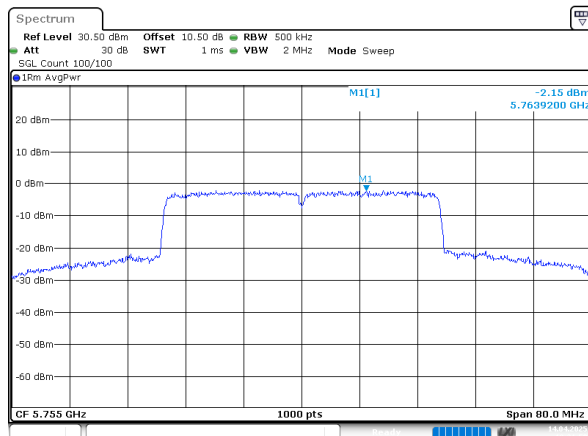
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Date: 14.APR.2025 19:25:17

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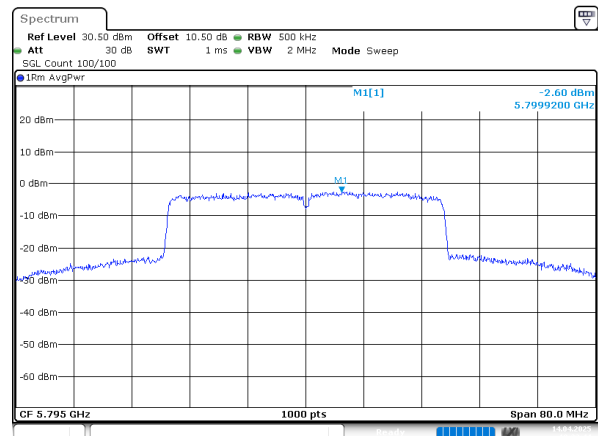
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 14.APR.2025 19:25:51

802.11ax40_5755MHz_RU_Full_Chain 0



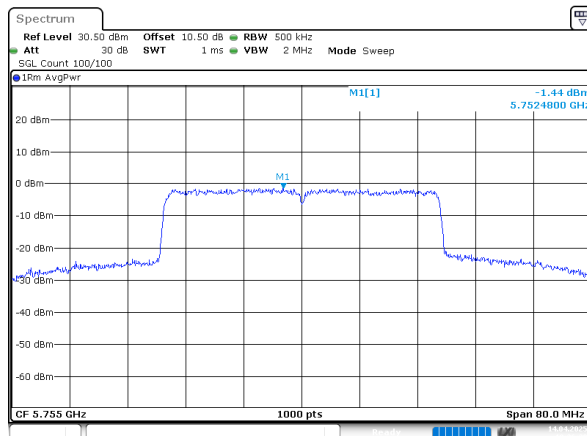
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Date: 14.APR.2025 19:21:58

802.11ax40_5795MHz_RU_Full_Chain 0

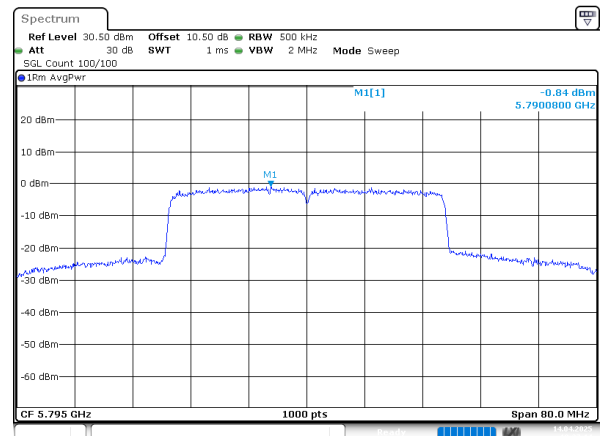


ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 14.APR.2025 19:22:44

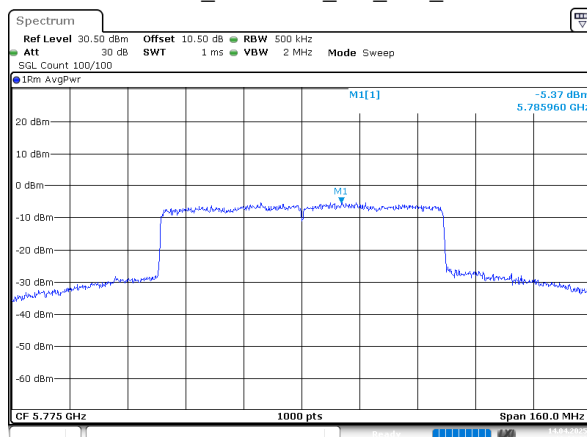
802.11ax40_5755MHz_RU_Full_Chain 1



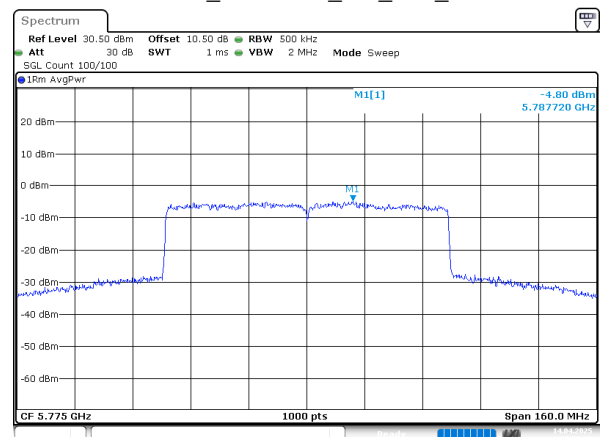
802.11ax40_5795MHz_RU_Full_Chain 1



802.11ax80_5775MHz_RU_Full_Chain 0



802.11ax80_5775MHz_RU_Full_Chain 1



5.8 Duty Cycle

Serial No.:	2XBO-1	Test Date:	2025/02/06~2025/04/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Tower Qing	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	20.9~26.1	Relative Humidity: (%)	42~63	ATM Pressure: (kPa)	100.4~101.2
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12
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:

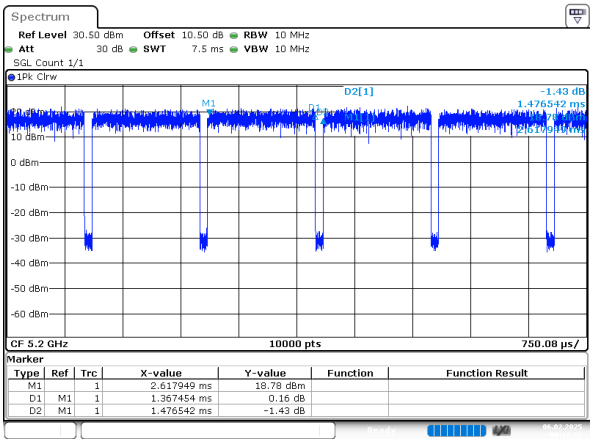
Note: Test only was performed at Chain 0.

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	1.367	1.477	92.55	0.34	732	1
802.11n20	5200	1.306	1.407	92.82	0.32	766	1
802.11n40	5190	0.647	0.747	86.61	0.62	1546	2
802.11ac80	5210	0.323	0.424	76.18	1.18	3096	5
802.11ax20_RU_Full	5200	1.019	1.120	90.98	0.41	981	1
802.11ax40_RU_Full	5190	0.539	0.639	84.35	0.74	1855	2
802.11ax80_RU_Full	5210	0.290	0.390	74.36	1.29	3448	5

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

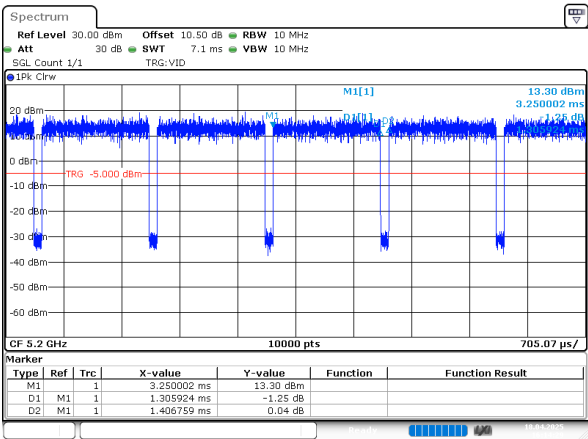
5150-5250MHz

802.11a_5200MHz



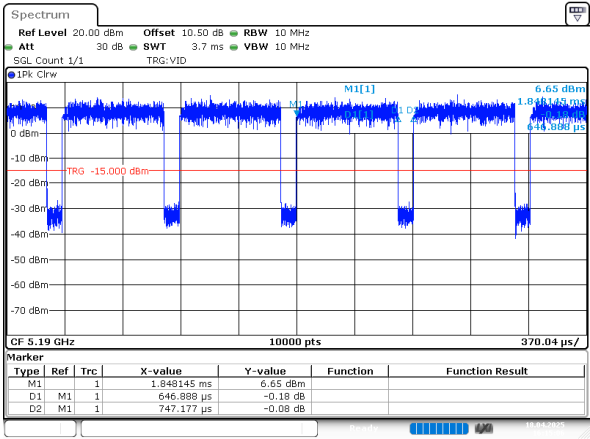
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 6.FEB.2025 00:16:59

802.11n20_5200MHz



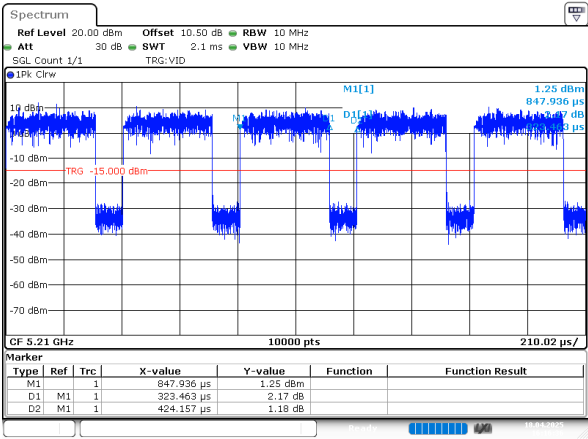
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 18.APR.2025 16:14:30

802.11n40_5190MHz



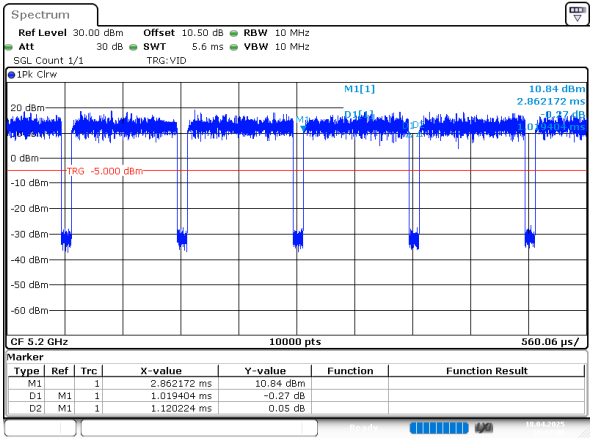
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 18.APR.2025 16:15:07

802.11ac80_5210MHz



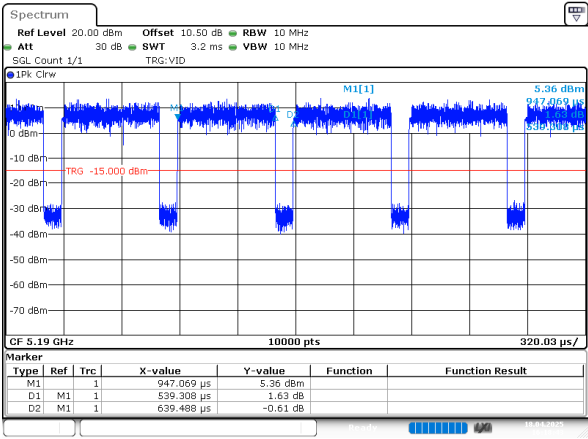
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 18.APR.2025 16:16:37

802.11ax20_5200MHz_RU_Full



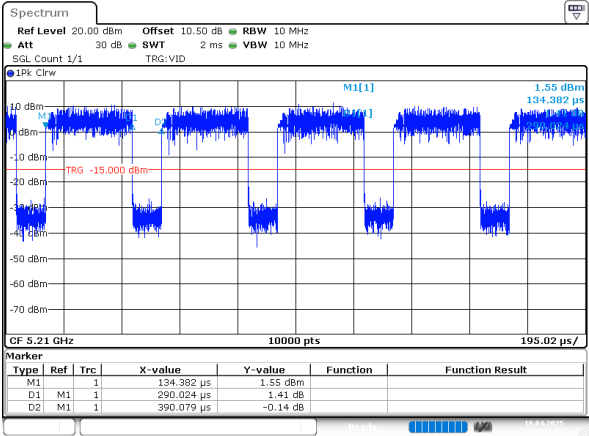
ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 18.APR.2025 16:17:48

802.11ax40_5190MHz_RU_Full



ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 18.APR.2025 16:18:43

802.11ax80_5210MHz_RU_Full



ProjectNo.:2502P26130E-RF Tester:Tower Qing
Date: 18.APR.2025 16:20:03

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2502P26130E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2502P26130E-RF-INP EUT INTERNAL PHOTOGRAPHS.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2502P26130E-RF-00B-TSP TEST SETUP PHOTOGRAPHS.

EXHIBIT C - RF EXPOSURE EVALUATION

Maximum Permissible Exposure (MPE)

Applicable Standard

According to subpart §1.1310, 15.247(i) and 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/f ²)	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/cm²);

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	4.15	2.60	24	251.19	20.00	0.130	1.0
5G WiFi	5150-5250	4.33	2.71	16	39.81	20.00	0.021	1.0
	5250-5350	5.91	3.90	14.5	28.18	20.00	0.022	1.0
	5470-5725	5.23	3.33	16.5	44.67	20.00	0.030	1.0
	5725-5850	3.34	2.16	19	79.43	20.00	0.034	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	4.15	24	28.15	653.13	2684
5G WIFI	5150-5250	4.33	16	20.33	107.89	4507
	5250-5350	5.91	14.5	20.41	109.90	4567
	5470-5725	5.23	16.5	21.73	148.94	4697
	5725-5850	3.34	19	22.34	171.40	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 *****