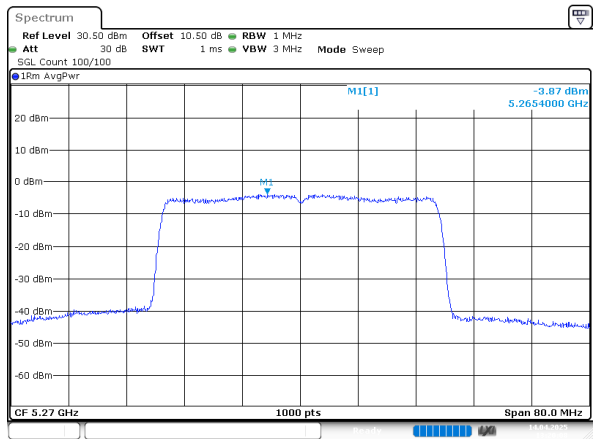
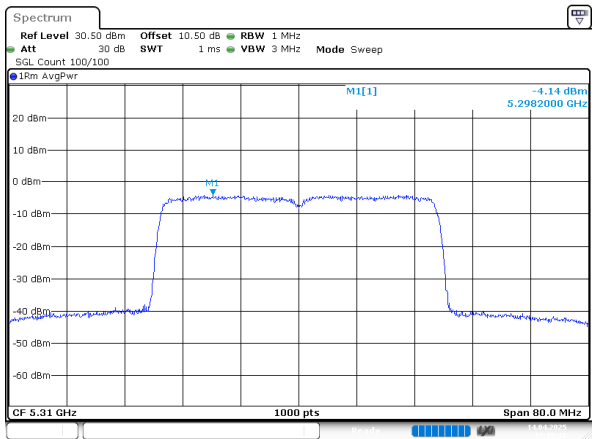


802.11ax40_5270MHz_Chain 0



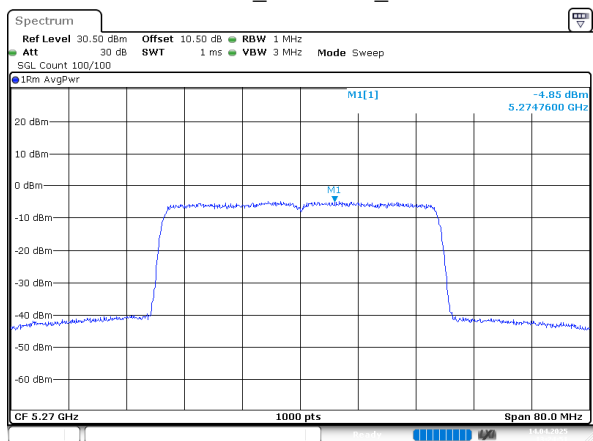
ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 14.APR.2025 13:20:08

802.11ax40_5310MHz_Chain 0



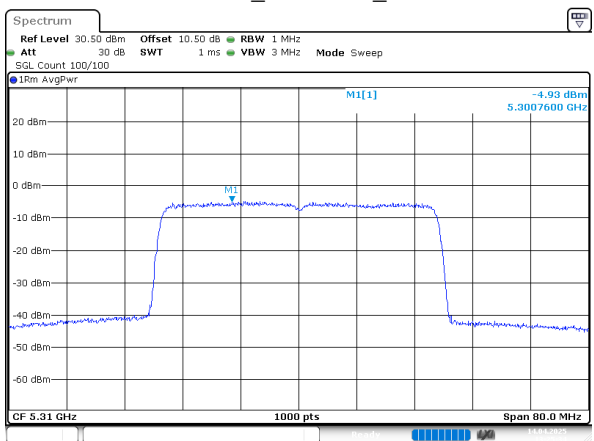
ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 14.APR.2025 13:19:18

802.11ax40_5270MHz_Chain 1



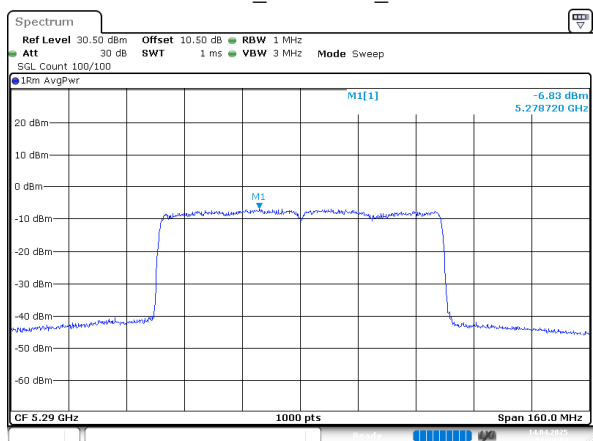
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Date: 14.APR.2025 13:24:51

802.11ax40_5310MHz_Chain 1



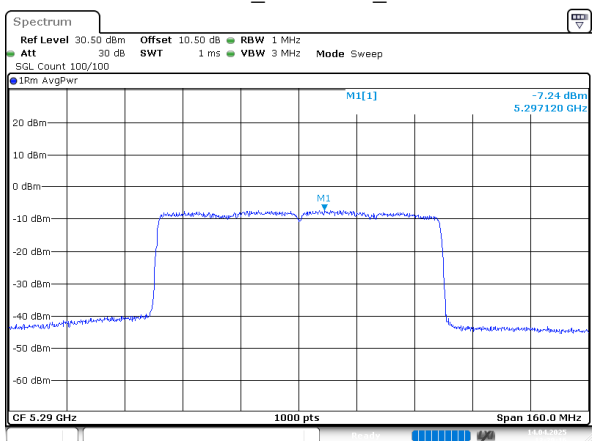
ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 14.APR.2025 13:25:33

802.11ax80_5290MHz_Chain 0



ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 14.APR.2025 13:34:04

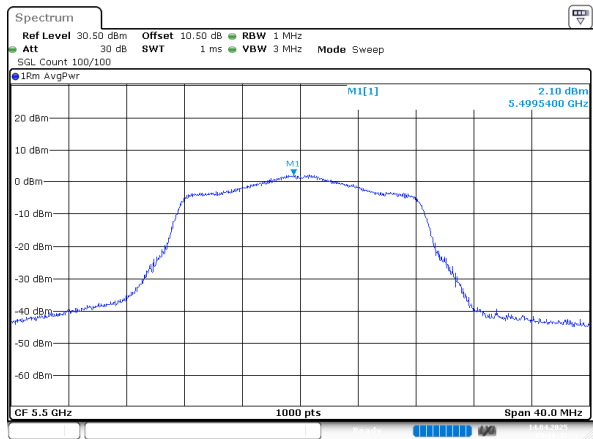
802.11ax80_5290MHz_Chain 1



ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 14.APR.2025 13:29:15

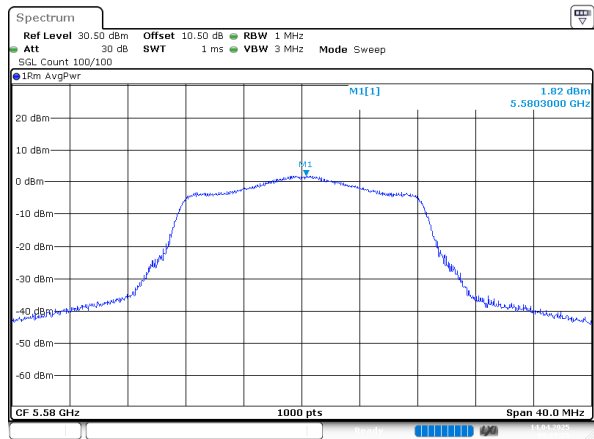
5470-5725MHz

802.11a_5500MHz_Chain 0



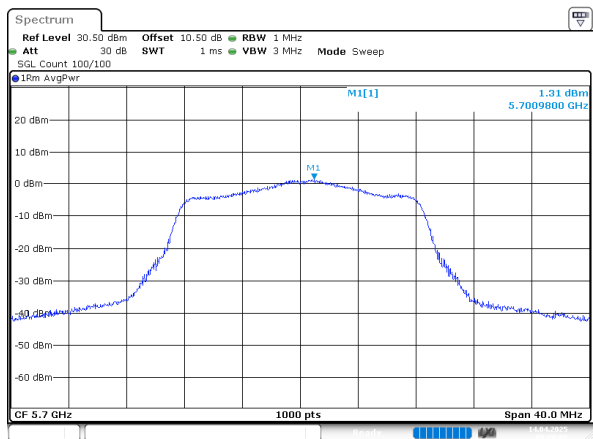
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Date: 14.APR.2025 09:26:42

802.11a_5580MHz_Chain 0



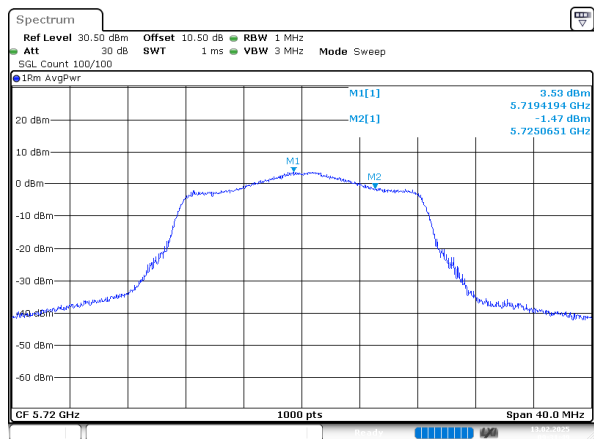
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Date: 14.APR.2025 09:27:25

802.11a_5700MHz_Chain 0



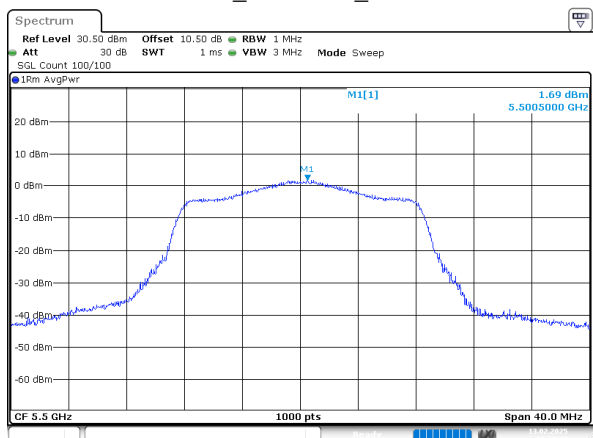
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Date: 14.APR.2025 09:28:07

802.11a_5720MHz_Chain 0



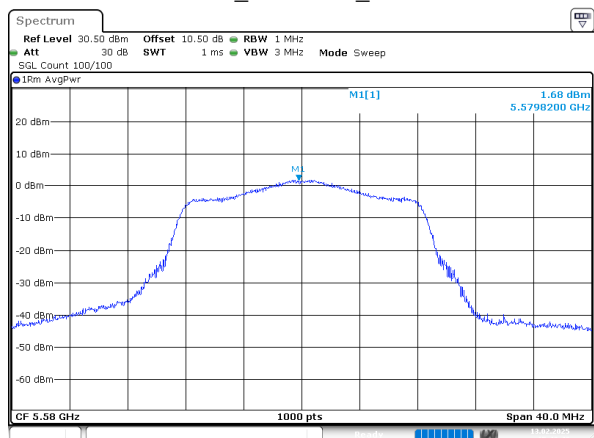
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Date: 13.FEB.2025 09:31:49

802.11a_5500MHz_Chain 1



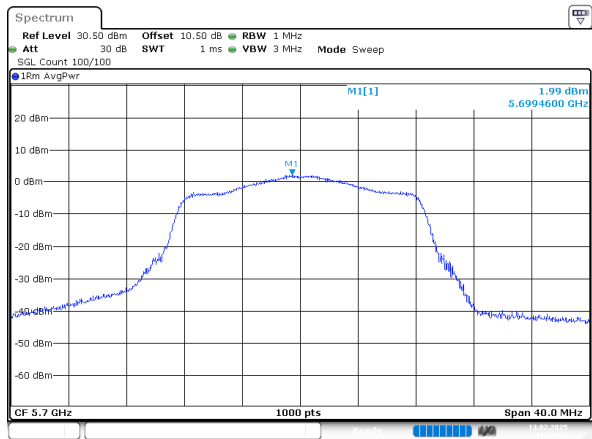
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Date: 13.FEB.2025 15:39:27

802.11a_5580MHz_Chain 1



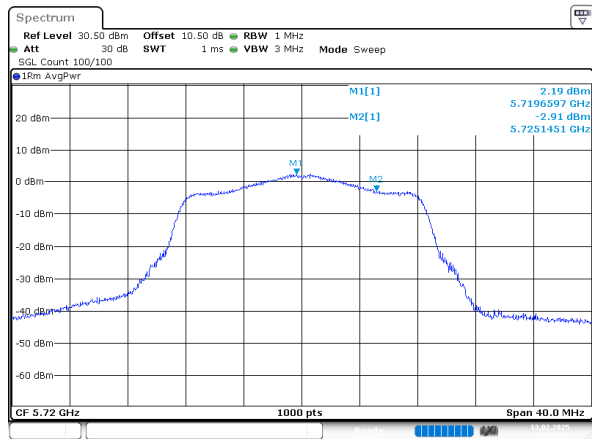
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Date: 13.FEB.2025 15:43:43

802.11a_5700MHz_Chain 1



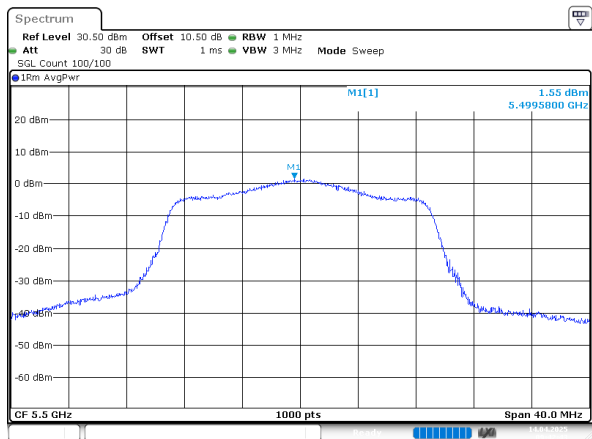
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802.11a_5720MHz_Chain 1



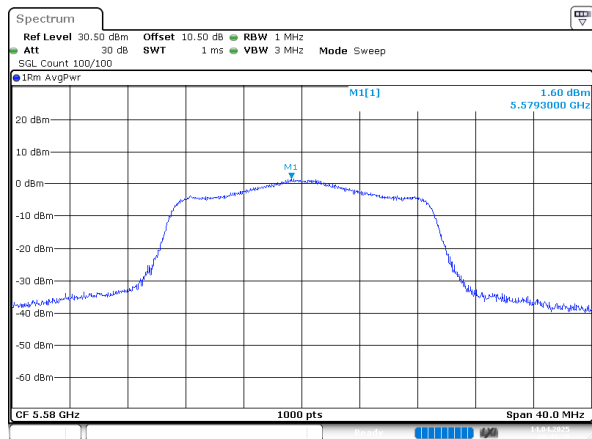
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Date: 13.FEB.2025 15:47:39

802.11n20_5500MHz_Chain 0



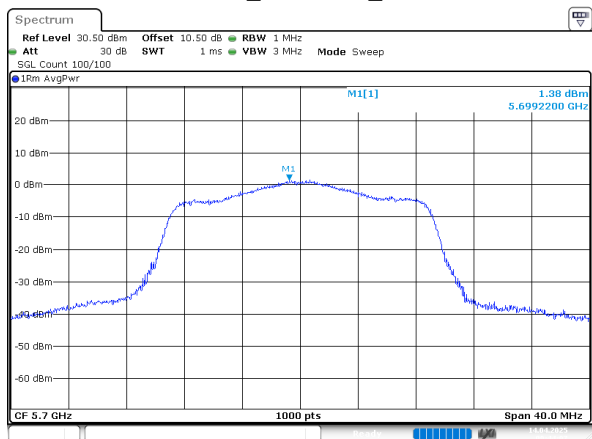
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802.11n20_5580MHz_Chain 0



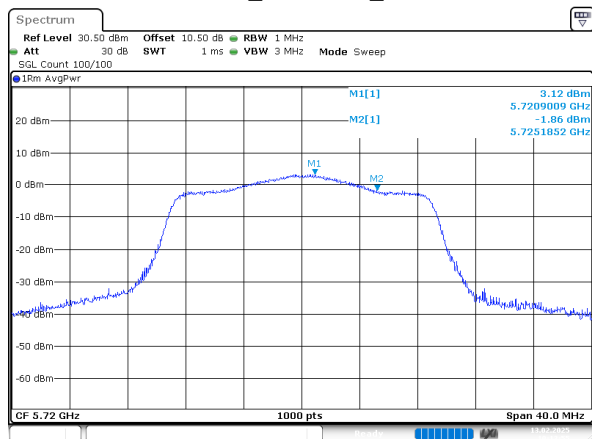
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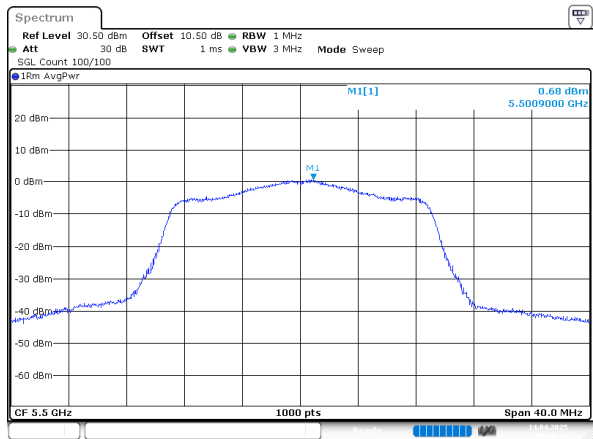
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802.11n20_5720MHz_Chain 0



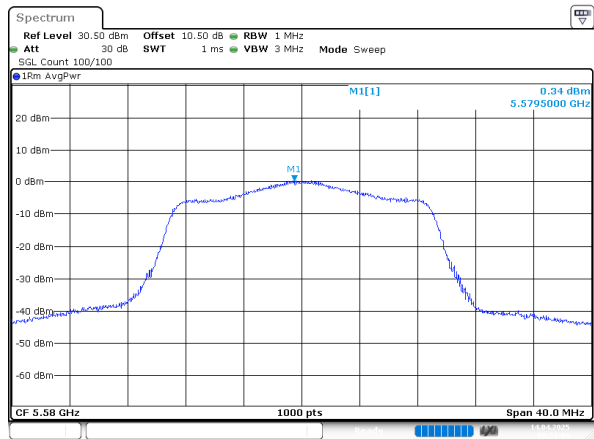
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802.11n20_5500MHz_Chain 1



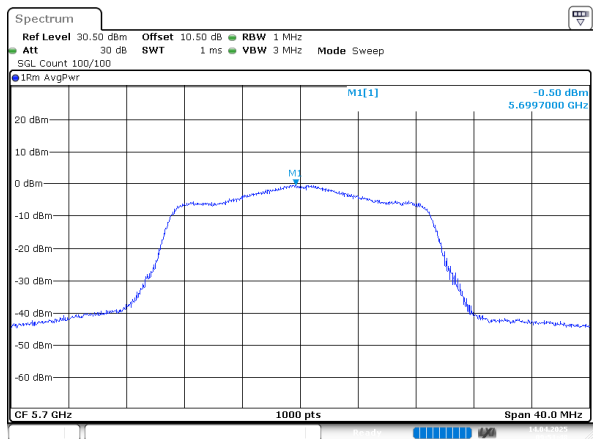
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802.11n20_5580MHz_Chain 1



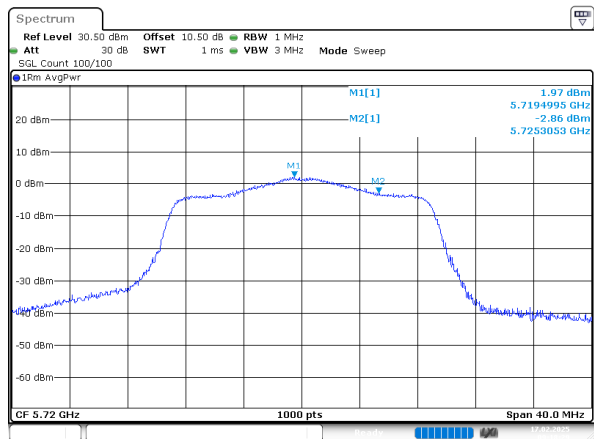
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Date: 14.APR.2025 09:51:00

802.11n20_5700MHz_Chain 1



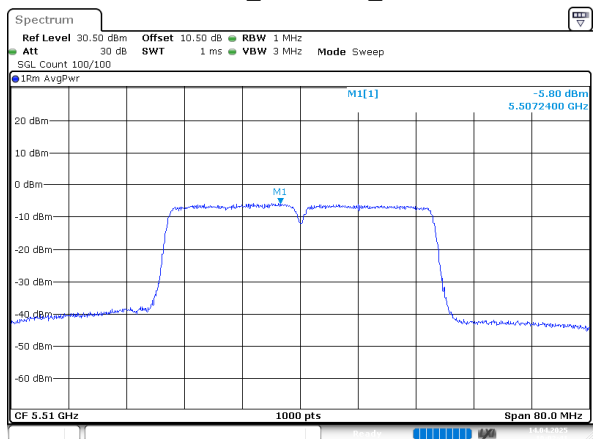
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Date: 14.APR.2025 09:51:48

802.11n20_5720MHz_Chain 1



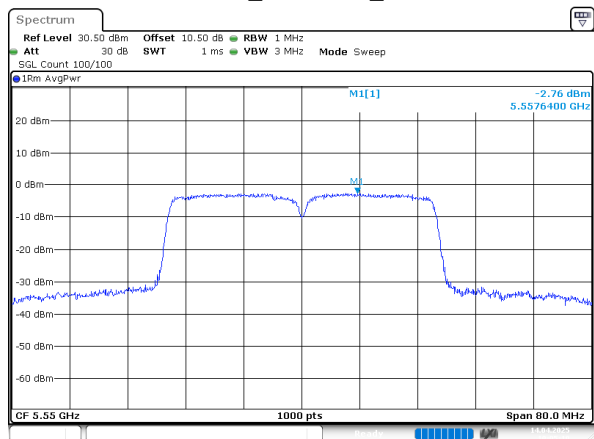
ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 17.FEB.2025 09:18:29

802.11n40_5510MHz_Chain 0



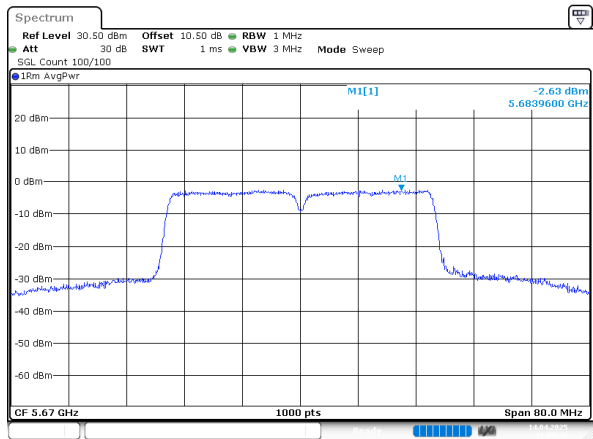
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Date: 14.APR.2025 10:02:40

802.11n40_5550MHz_Chain 0



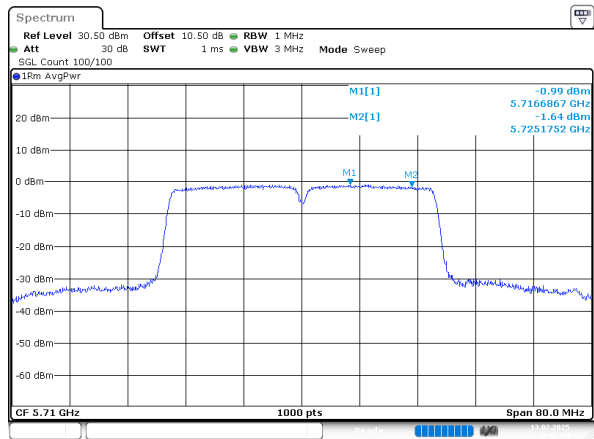
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Date: 14.APR.2025 10:05:10

802.11n40_5670MHz_Chain 0



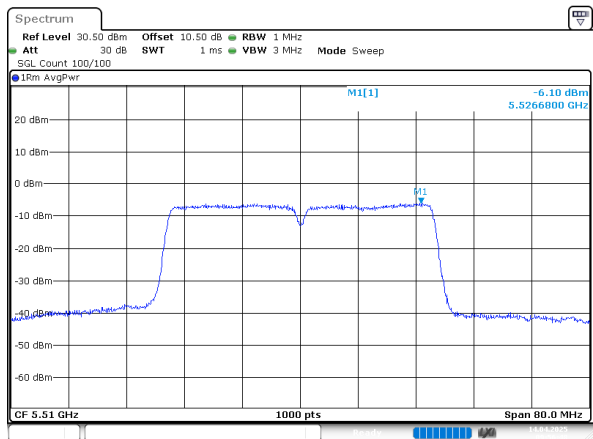
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802.11n40_5710MHz_Chain 0



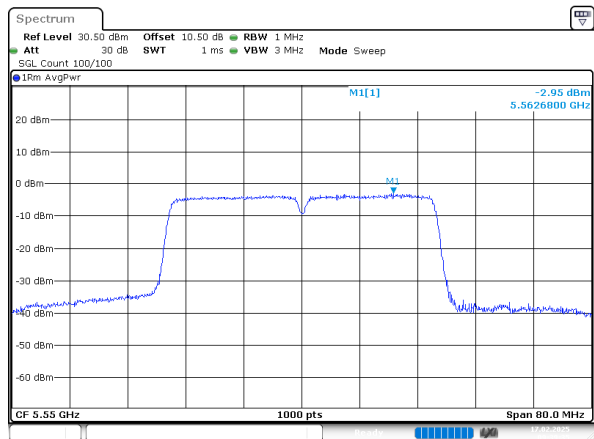
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Date: 13.FEB.2025 10:42:49

802.11n40_5510MHz_Chain 1



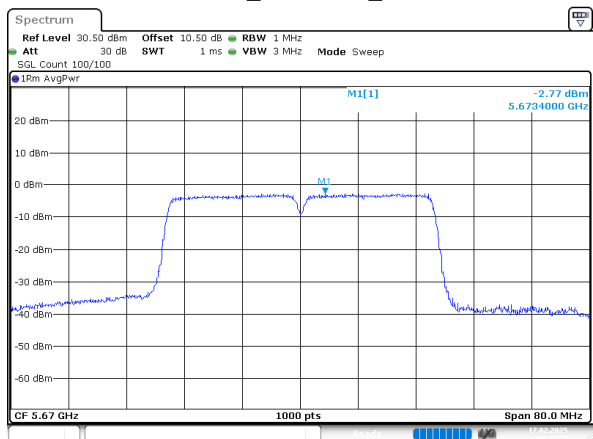
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802.11n40_5550MHz_Chain 1



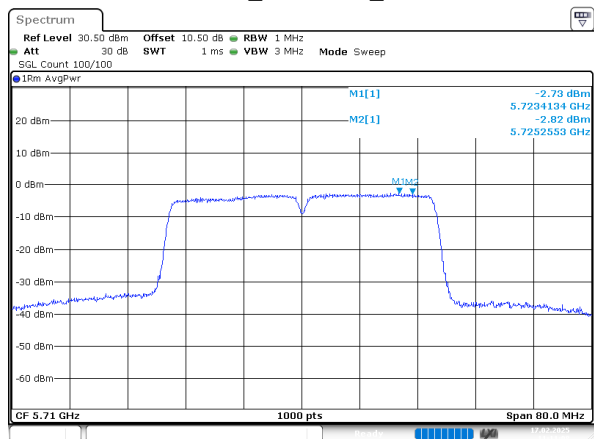
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Date: 17.FEB.2025 09:39:35

802.11n40_5670MHz_Chain 1



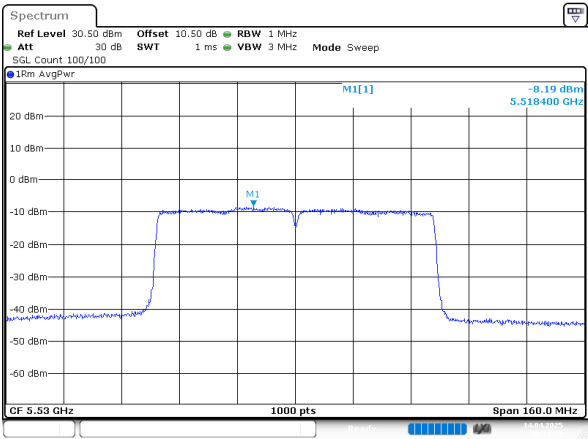
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802.11n40_5710MHz_Chain 1



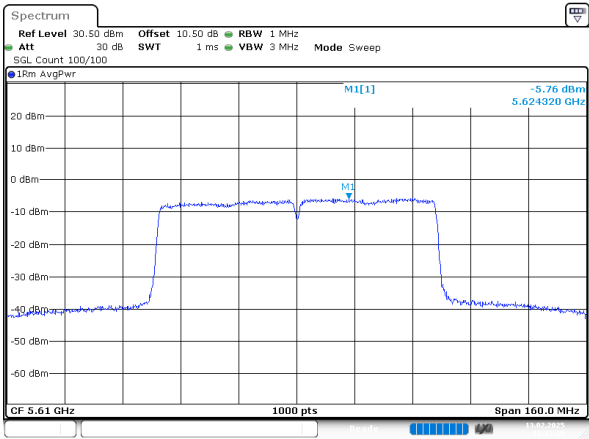
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Date: 17.FEB.2025 11:11:09

802.11ac80_5530MHz_Chain 0



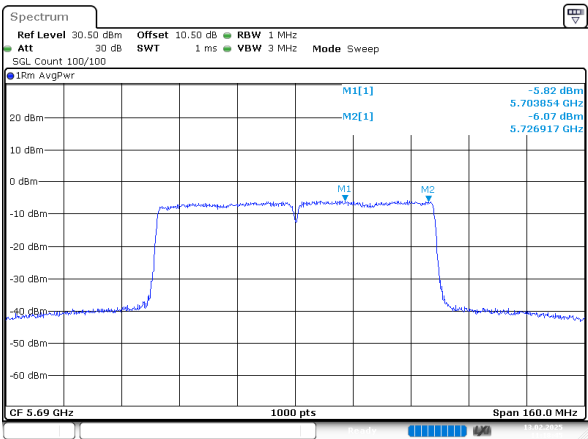
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Date: 14.APR.2025 10:11:18

802.11ac80_5610MHz_Chain 0



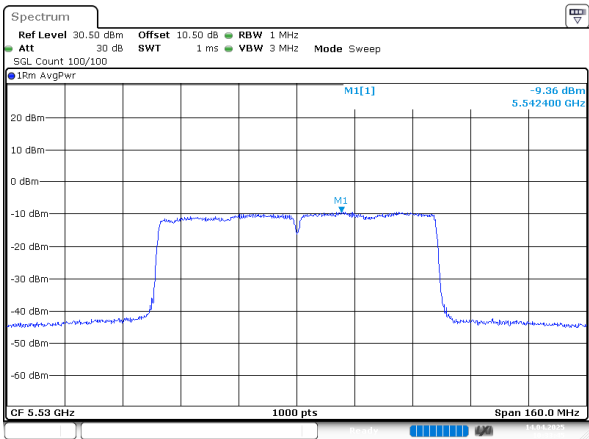
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Date: 13.FEB.2025 11:11:39

802.11ac80_5690MHz_Chain 0



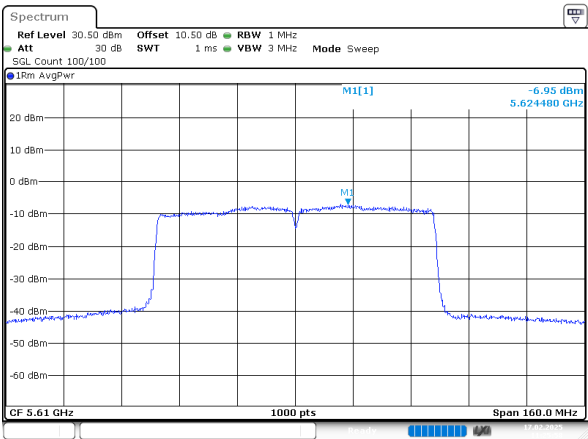
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Date: 13.FEB.2025 11:18:46

802.11ac80_5530MHz_Chain 1



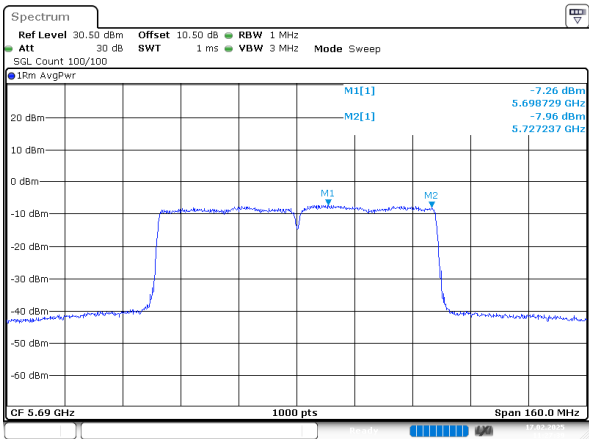
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Date: 14.APR.2025 10:33:44

802.11ac80_5610MHz_Chain 1



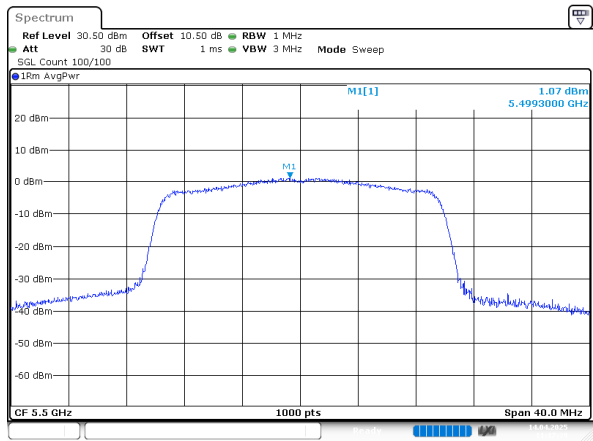
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Date: 17.FEB.2025 11:25:59

802.11ac80_5690MHz_Chain 1



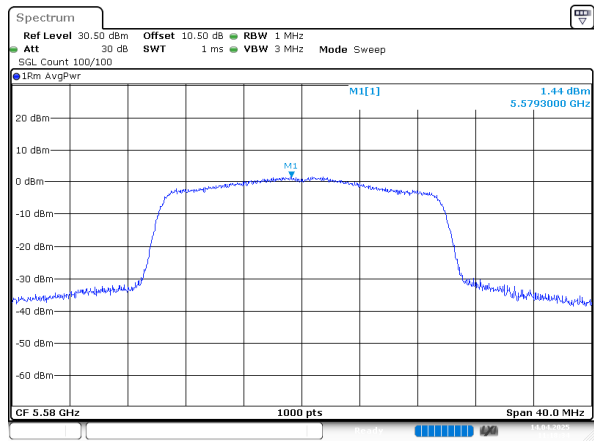
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Date: 17.FEB.2025 11:27:40

802.11ax20_5500MHz_Chain 0



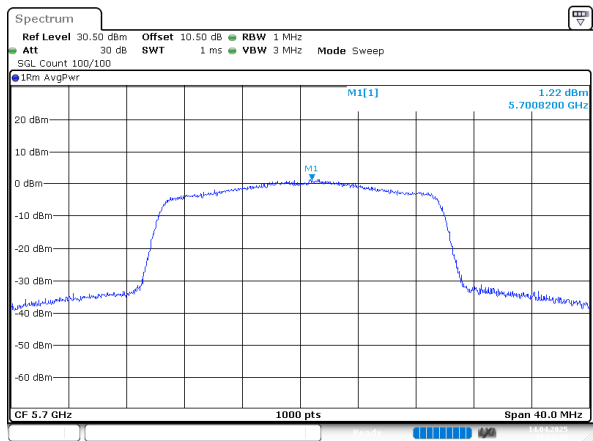
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802.11ax20_5580MHz_Chain 0



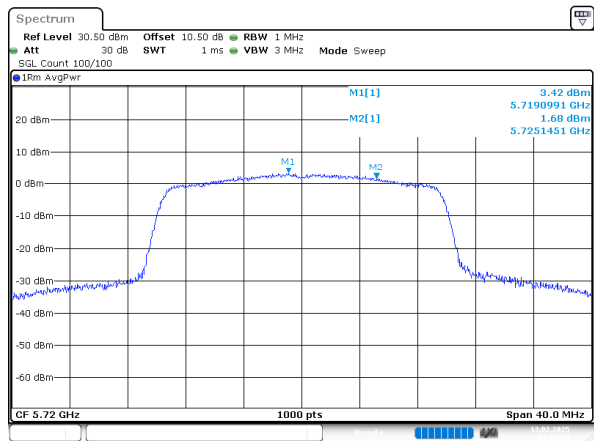
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Date: 14.APR.2025 11:18:34

802.11ax20_5700MHz_Chain 0



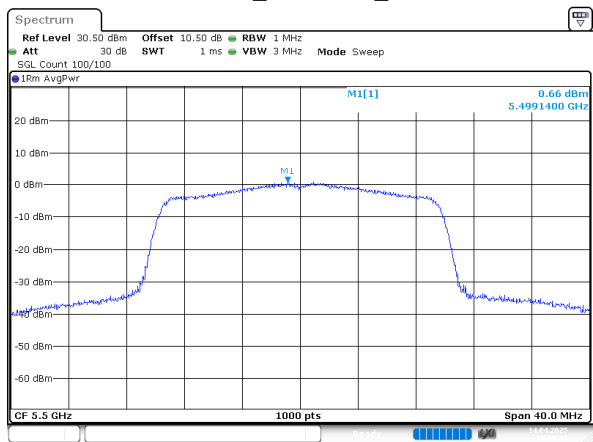
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802.11ax20_5720MHz_Chain 0



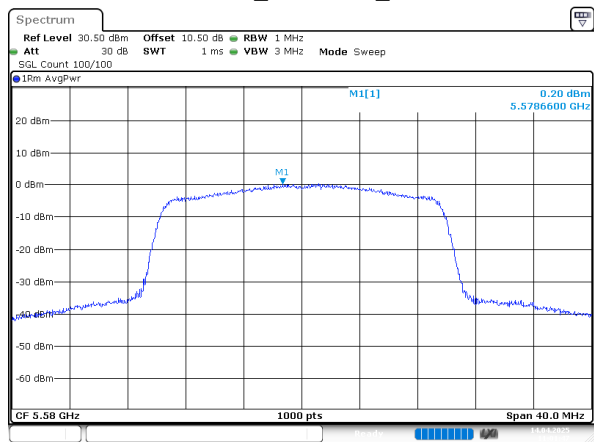
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802.11ax20_5500MHz_Chain 1



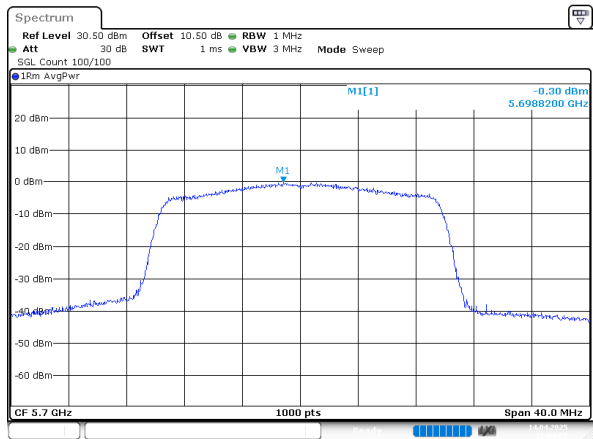
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802.11ax20_5580MHz_Chain 1



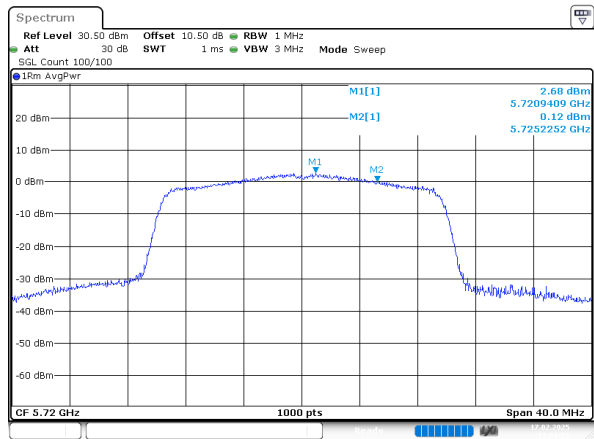
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802.11ax20_5700MHz_Chain 1



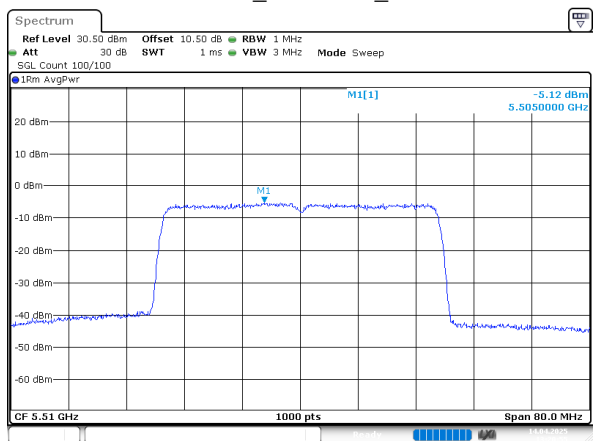
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Date: 14.APR.2025 11:04:29

802.11ax20_5720MHz_Chain 1



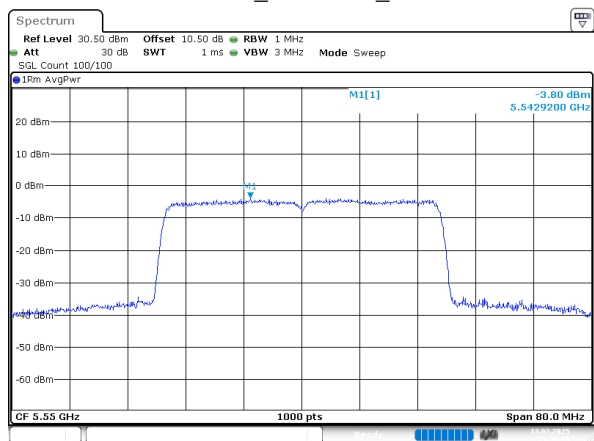
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Date: 17.FEB.2025 11:51:52

802.11ax40_5510MHz_Chain 0



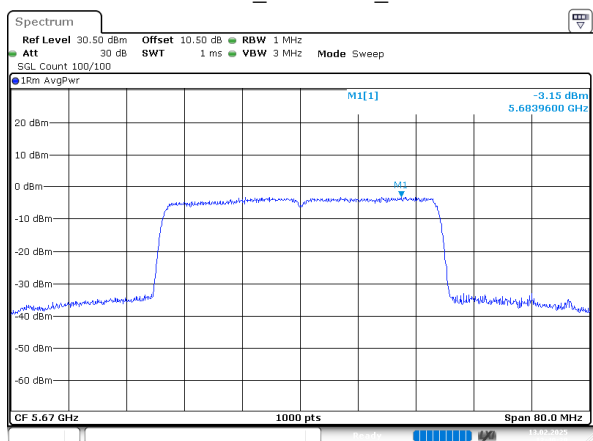
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Date: 14.APR.2025 13:20:55

802.11ax40_5550MHz_Chain 0



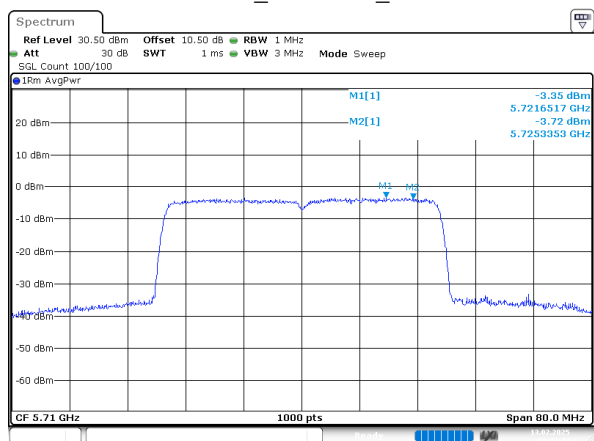
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Date: 13.FEB.2025 13:39:25

802.11ax40_5670MHz_Chain 0



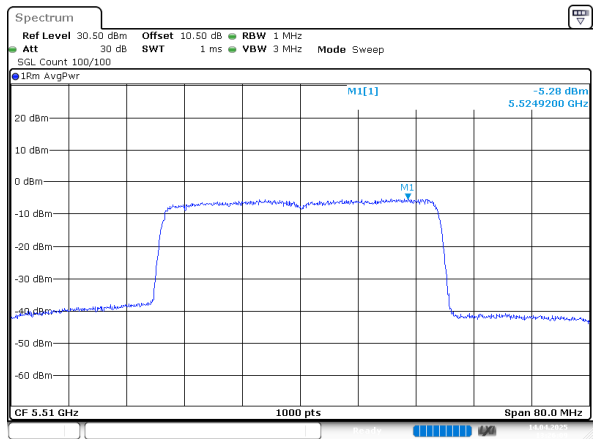
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802.11ax40_5710MHz_Chain 0



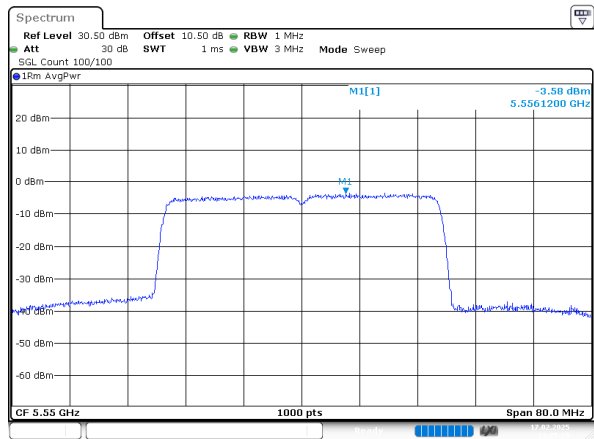
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802.11ax40_5510MHz_Chain 1



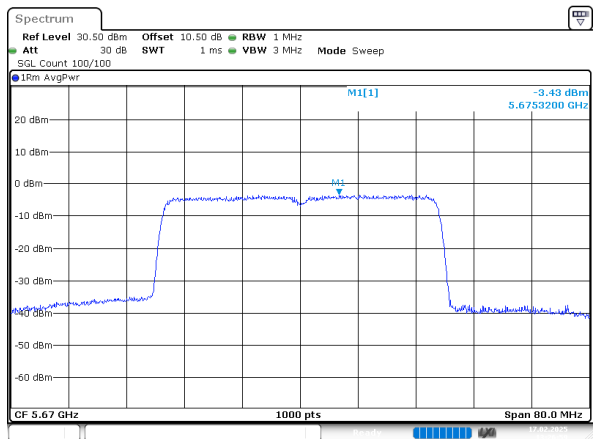
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802.11ax40_5550MHz_Chain 1



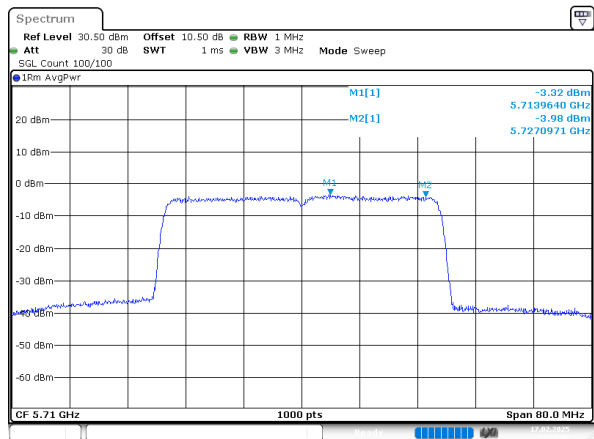
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802.11ax40_5670MHz_Chain 1



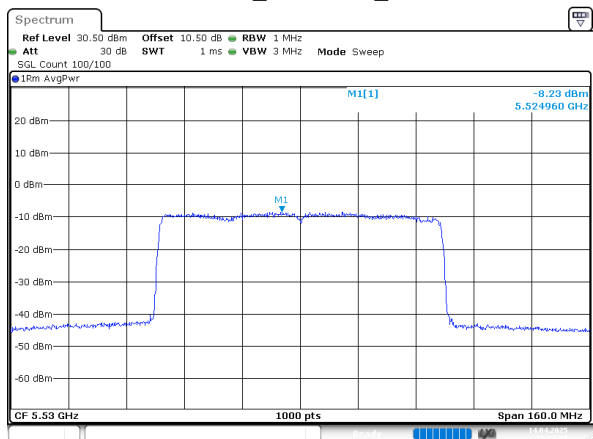
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Date: 17.FEB.2025 13:27:00

802.11ax40_5710MHz_Chain 1



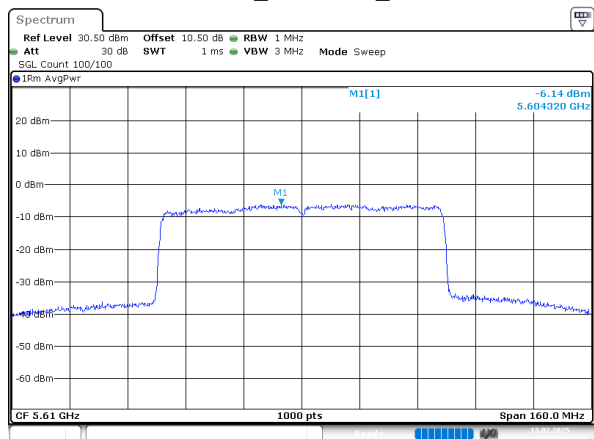
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Date: 17.FEB.2025 13:28:43

802.11ax80_5530MHz_Chain 0



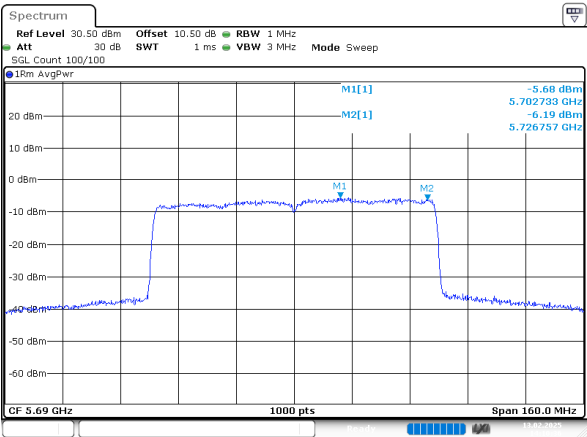
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802.11ax80_5610MHz_Chain 0



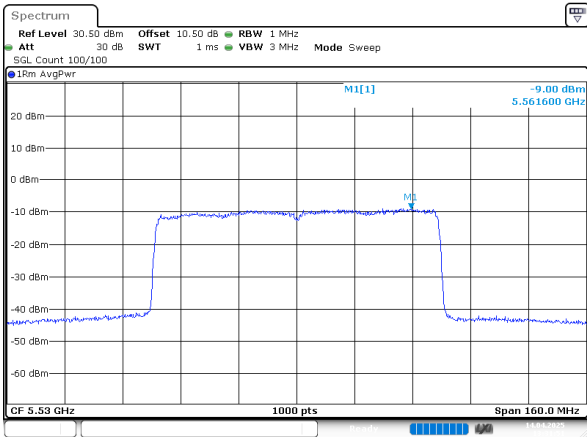
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Date: 13.FEB.2025 13:57:46

802.11ax80_5690MHz_Chain 0



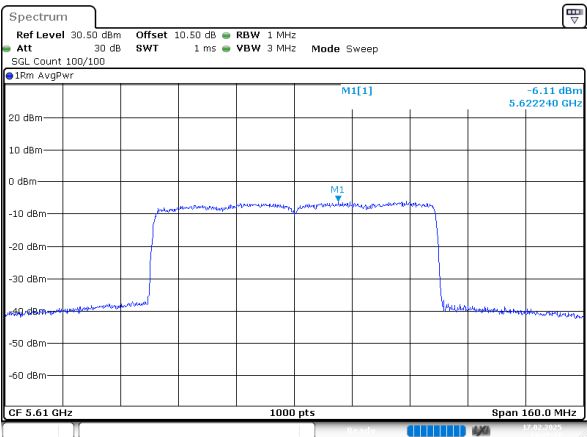
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802.11ax80_5530MHz_Chain 1



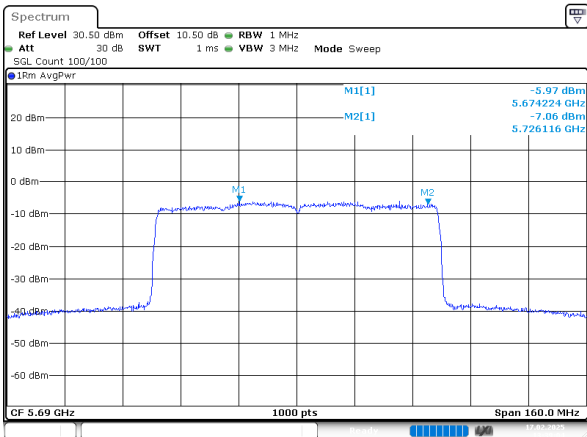
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Date: 14.APR.2025 13:31:51

802.11ax80_5610MHz_Chain 1



ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 17.FEB.2025 13:37:17

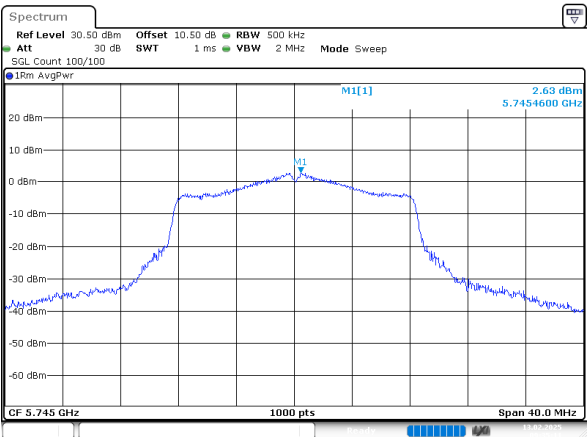
802.11ax80_5690MHz_Chain 1



ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 17.FEB.2025 13:39:05

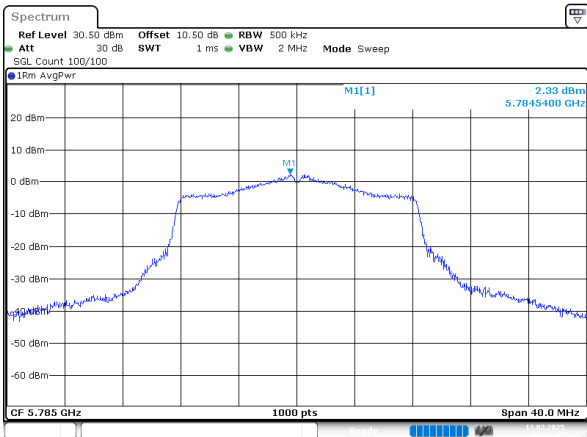
5725-5850MHz

802.11a_5745MHz_Chain 0



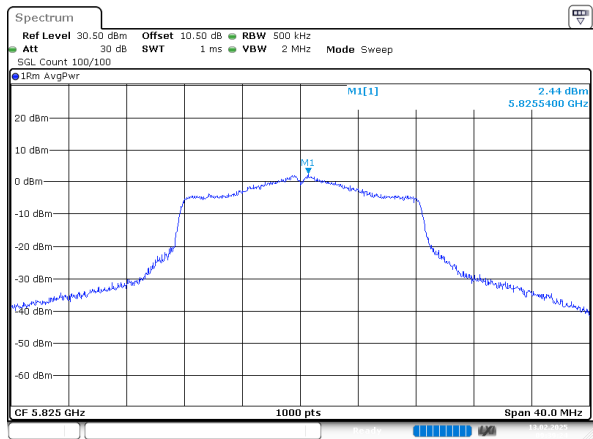
ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 13.FEB.2025 09:35:11

802.11a_5785MHz_Chain 0



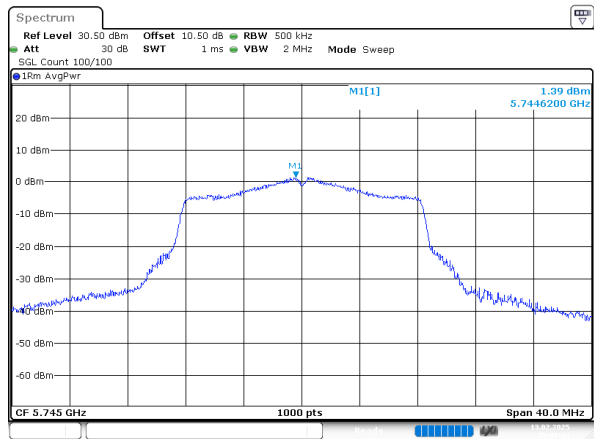
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Date: 13.FEB.2025 09:37:05

802.11a_5825MHz_Chain 0



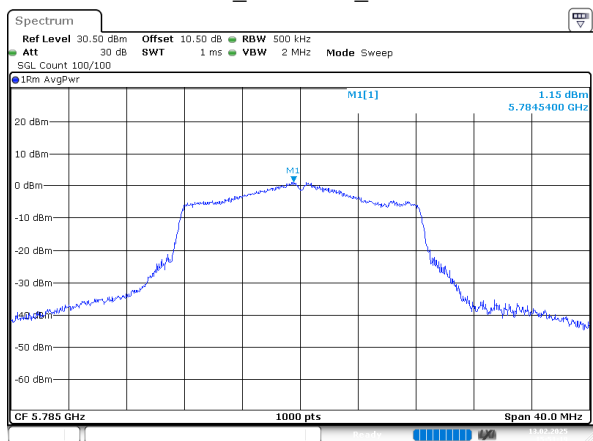
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Date: 13.FEB.2025 09:39:24

802.11a_5745MHz_Chain 1



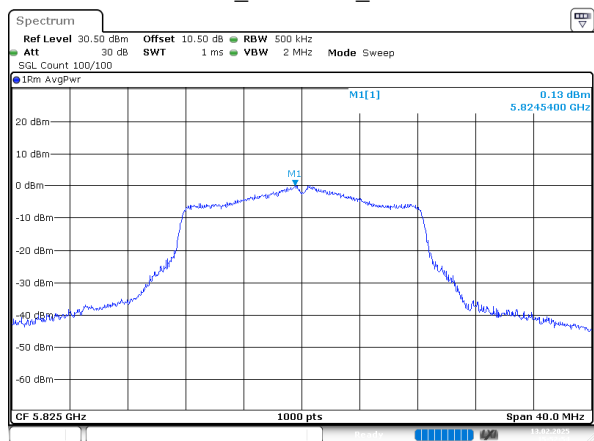
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Date: 13.FEB.2025 15:49:25

802.11a_5785MHz_Chain 1



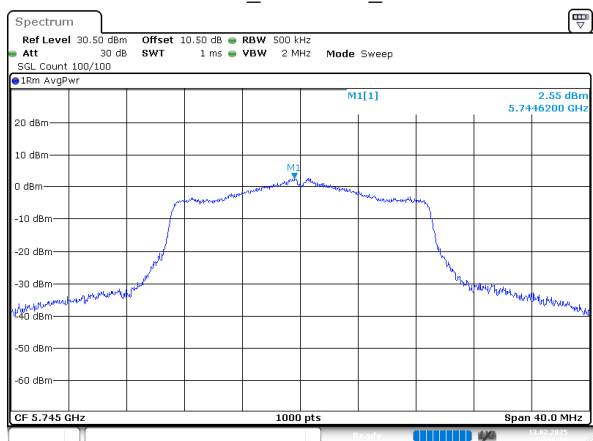
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Date: 13.FEB.2025 15:51:20

802.11a_5825MHz_Chain 1



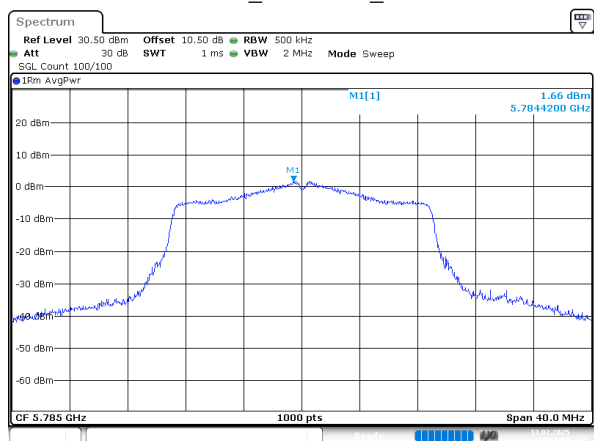
ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 13.FEB.2025 15:52:54

802.11n20_5745MHz_Chain 0



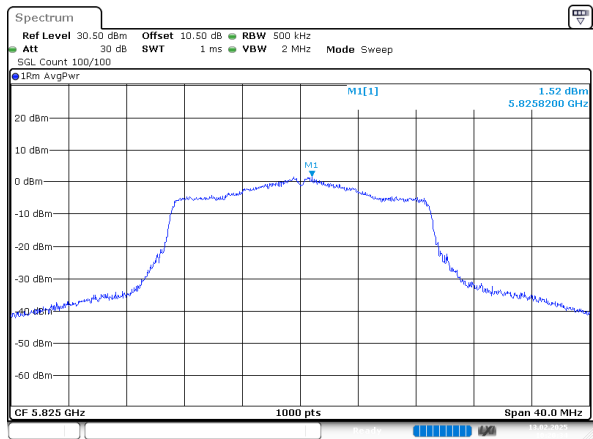
ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 13.FEB.2025 10:16:07

802.11n20_5785MHz_Chain 0



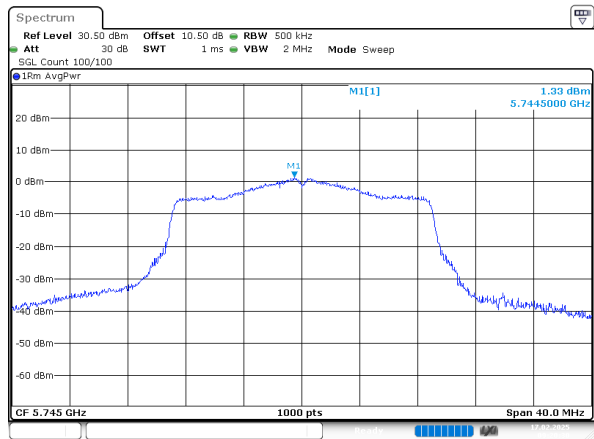
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Date: 13.FEB.2025 10:17:54

802.11n20_5825MHz_Chain 0



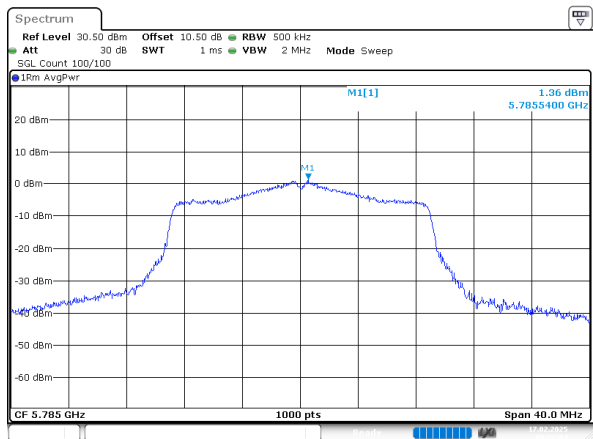
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802.11n20_5745MHz_Chain 1



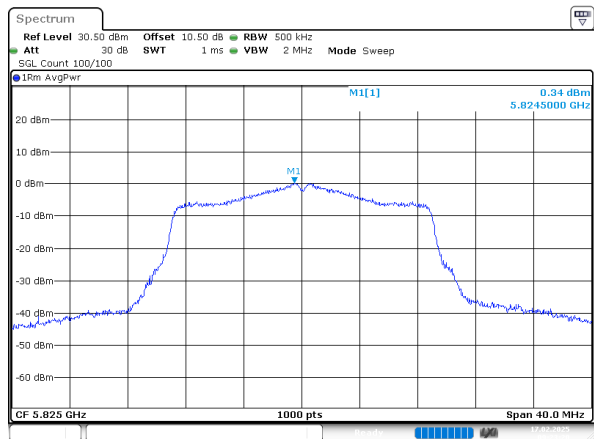
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802.11n20_5785MHz_Chain 1



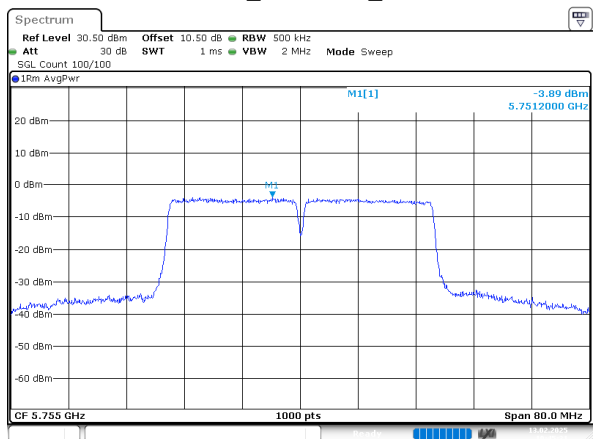
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Date: 17.FEB.2025 09:22:04

802.11n20_5825MHz_Chain 1



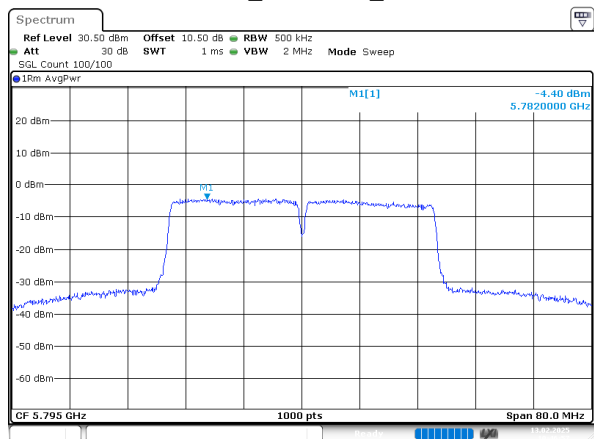
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Date: 17.FEB.2025 09:23:20

802.11n40_5755MHz_Chain 0



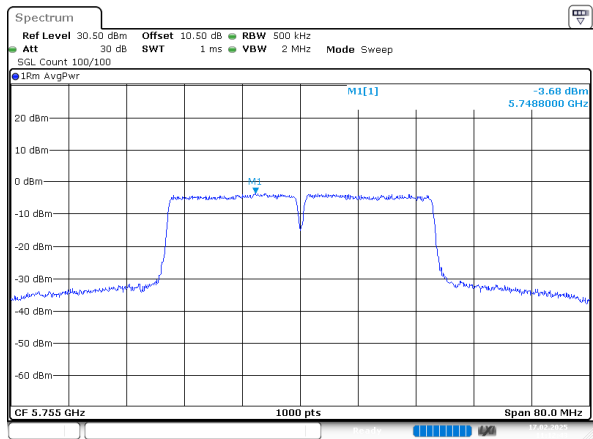
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802.11n40_5795MHz_Chain 0



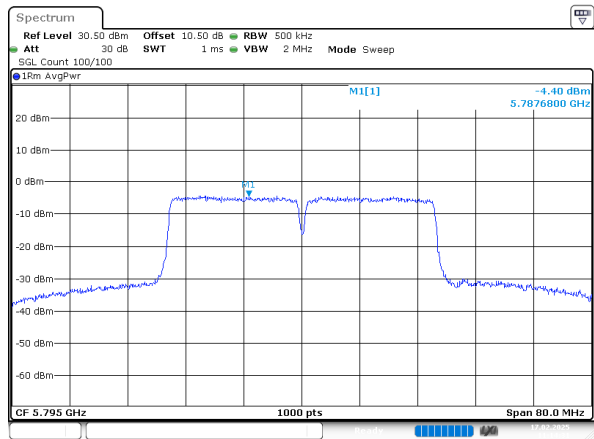
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Date: 13.FEB.2025 10:46:57

802.11n40_5755MHz_Chain 1



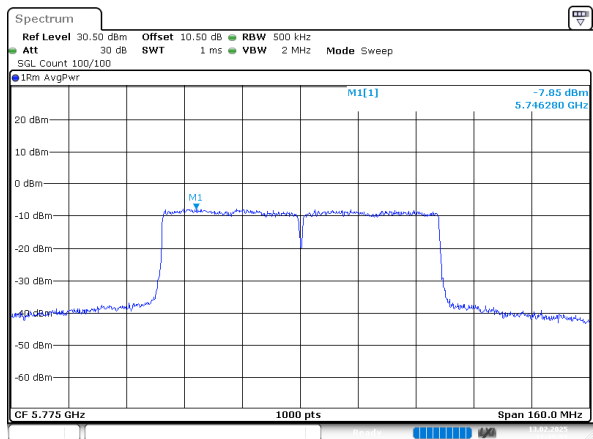
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Date: 17.FEB.2025 11:12:43

802.11n40_5795MHz_Chain 1



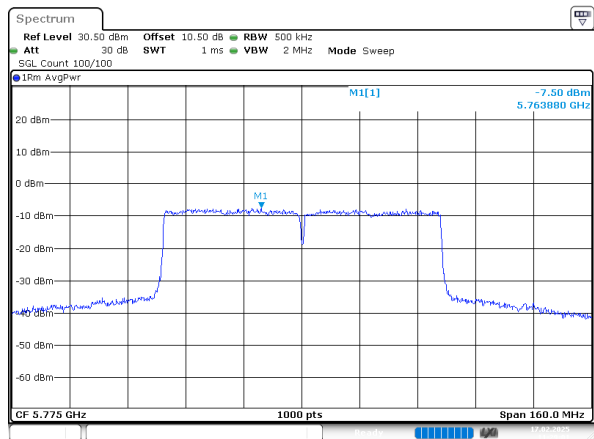
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Date: 17.FEB.2025 11:14:31

802.11ac80_5775MHz_Chain 0



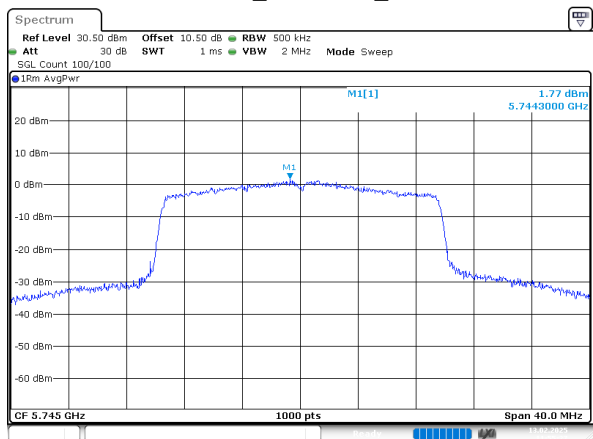
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Date: 13.FEB.2025 11:15:54

802.11ac80_5775MHz_Chain 1



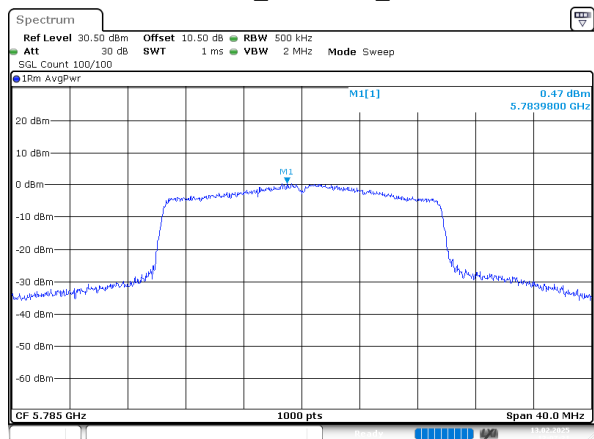
ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 17.FEB.2025 11:29:01

802.11ax20_5745MHz_Chain 0



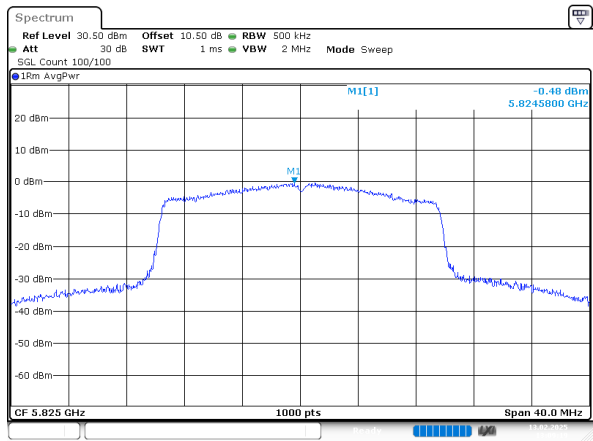
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Date: 13.FEB.2025 11:55:27

802.11ax20_5785MHz_Chain 0



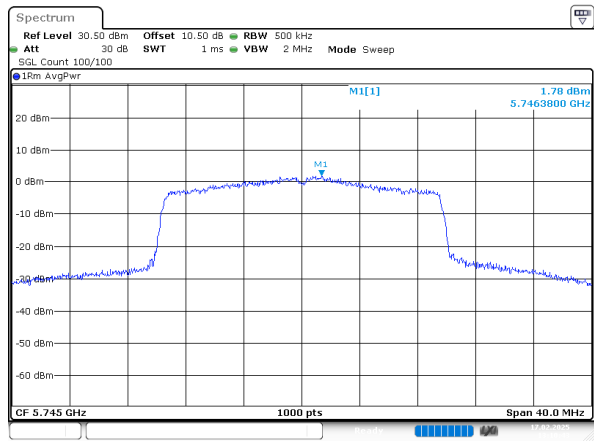
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Date: 13.FEB.2025 13:07:31

802.11ax20_5825MHz_Chain 0



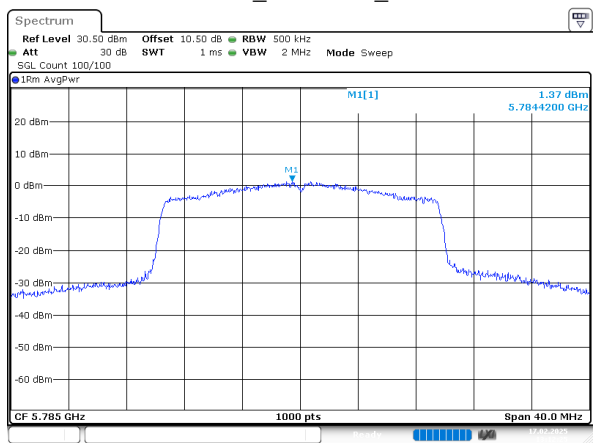
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802.11ax20_5745MHz_Chain 1



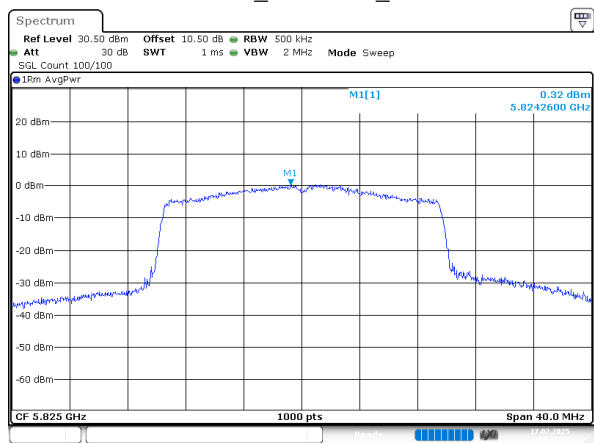
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802.11ax20_5785MHz_Chain 1



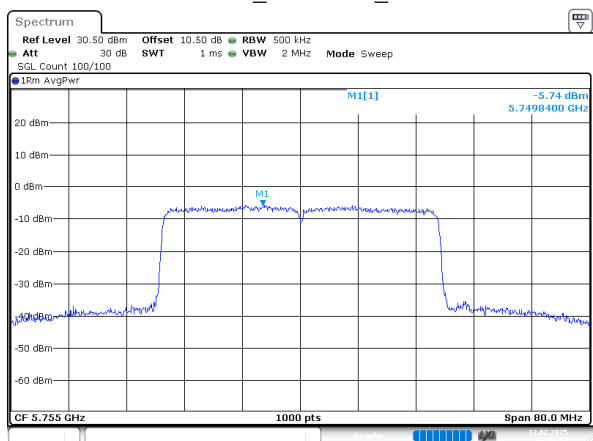
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Date: 17.FEB.2025 13:12:25

802.11ax20_5825MHz_Chain 1



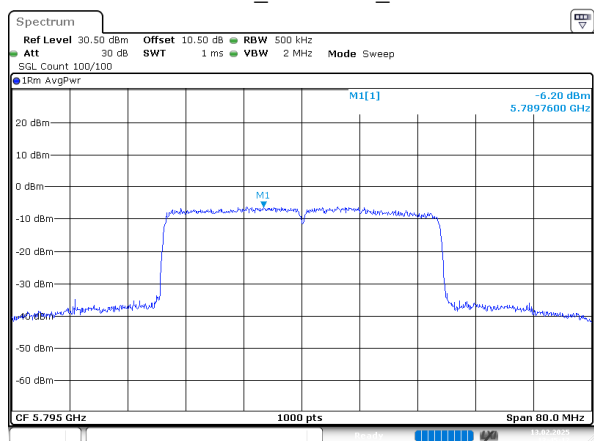
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Date: 17.FEB.2025 13:14:03

802.11ax40_5755MHz_Chain 0



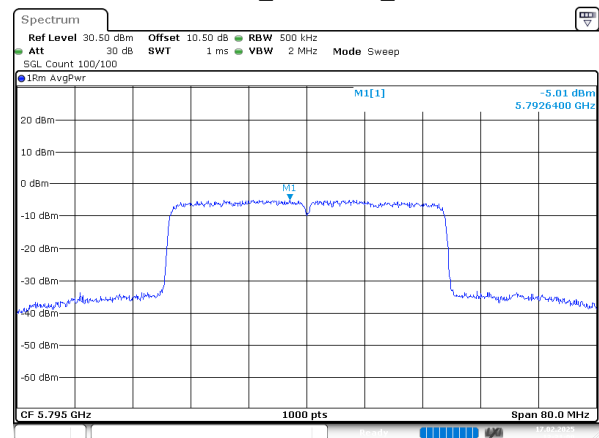
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Date: 13.FEB.2025 13:43:56

802.11ax40_5795MHz_Chain 0



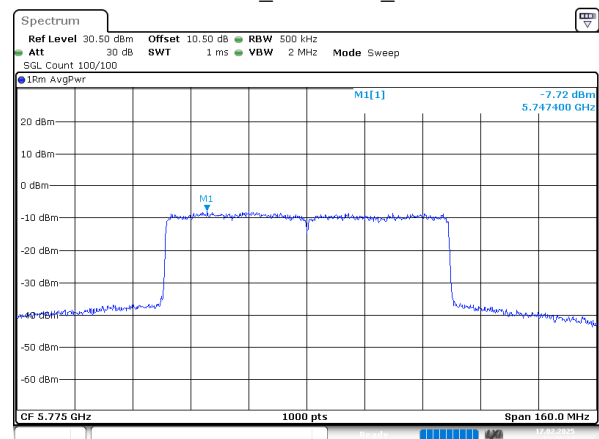
ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 13.FEB.2025 13:45:13

802.11ax40_5795MHz_Chain 1



ProjectNo.:2502P10214E=RF Tester:Jeff Wei
Date: 17.FEB.2025 13:31:01

802.11ax80 5775MHz Chain 1



ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 17.FEB.2025 13:40:14

5.8 Duty Cycle

Test Information:

Serial No.:	2XBJ-1	Test Date:	2025/04/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jeff Wei	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	25.2	Relative Humidity: (%)	61	ATM Pressure: (kPa)	100.4
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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

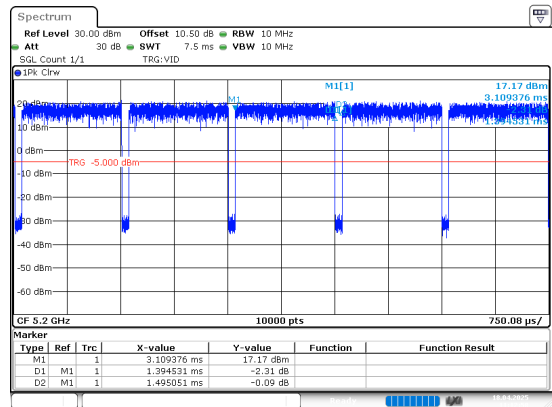
* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Mode	Antenna	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	Chain 0	5200	1.395	1.495	93.31	0.30	717	1
802.11n20	Chain 0	5200	1.307	1.407	92.89	0.32	765	1
802.11n40	Chain 0	5190	0.347	0.447	77.63	1.10	2882	3
802.11ac80	Chain 0	5210	0.324	0.424	76.42	1.17	3086	5
802.11ax20	Chain 0	5200	1.020	1.120	91.07	0.41	980	1
802.11ax40	Chain 0	5190	0.539	0.640	84.22	0.75	1855	2
802.11ax80	Chain 0	5210	0.290	0.390	74.36	1.29	3448	5

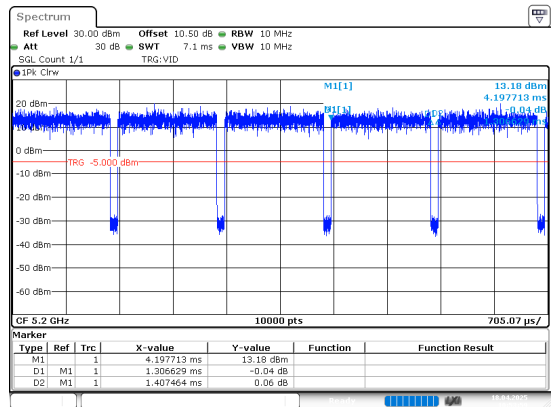
Duty Cycle = Ton/(Ton+Toff)*100%

802.11a_5200MHz_Chain 0



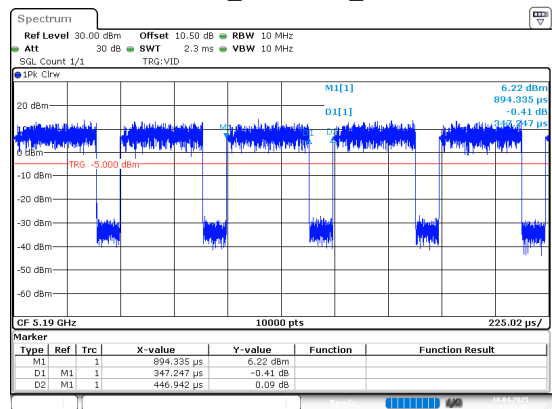
ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 18.APR.2025 11:12:59

802.11n20_5200MHz_Chain 0



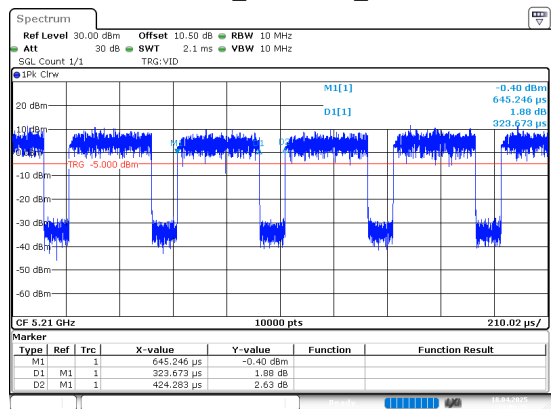
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Date: 18.APR.2025 10:53:59

802.11n40_5190MHz_Chain 0



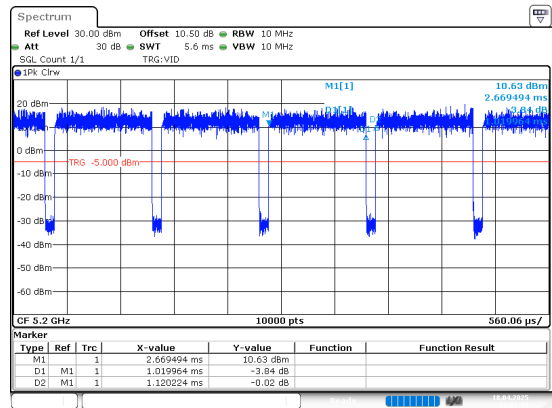
ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 18.APR.2025 11:12:12

802.11ac80_5210MHz_Chain 0



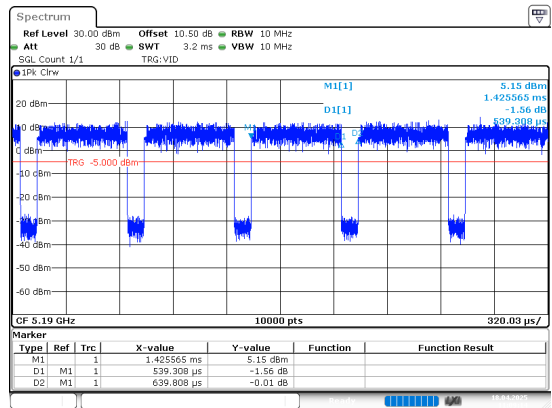
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Date: 18.APR.2025 11:06:33

802.11ax20_5200MHz_Chain 0



ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 18.APR.2025 11:07:55

802.11ax40_5190MHz_Chain 0



ProjectNo.:2502P10214E-RF Tester:Jeff Wei
Date: 18.APR.2025 11:09:15

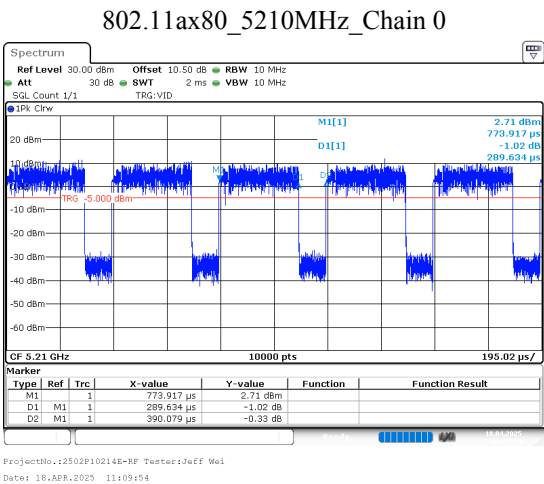


EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2502P10214E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2502P10214E-RF-INP EUT INTERNAL PHOTOGRAPHS.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2502P10214E-RF-00B-TSP TEST SETUP PHOTOGRAPHS.

EXHIBIT C - RF EXPOSURE EVALUATION

Maximum Permissible Exposure (MPE)

Applicable Standard

According to subpart §1.1310, 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:

Module	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)			
WiFi 2.4G	2412-2462	4.15	2.60	24	251.19	20.00	0.130	1.0
WiFi 5G	5150-5850	5.91	3.90	18	63.10	20.00	0.049	1.0

Note:

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

Result: The device meet FCC MPE at 20 cm distance

Field reference level exposure exemption limits

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	5150-5850	5.91	18	23.91	246.04	4507

Note:

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

Result: So the device is compliance with the Field reference level exposure exemption limits.

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