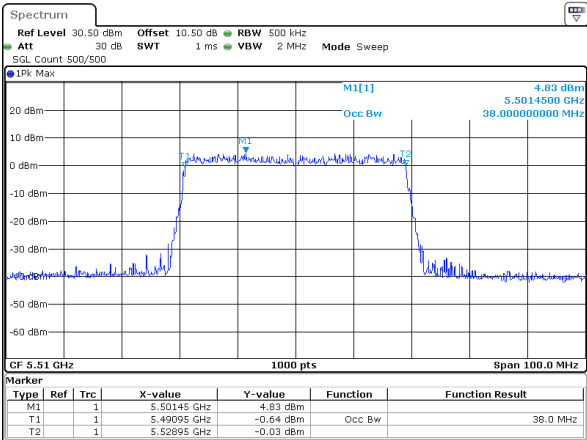
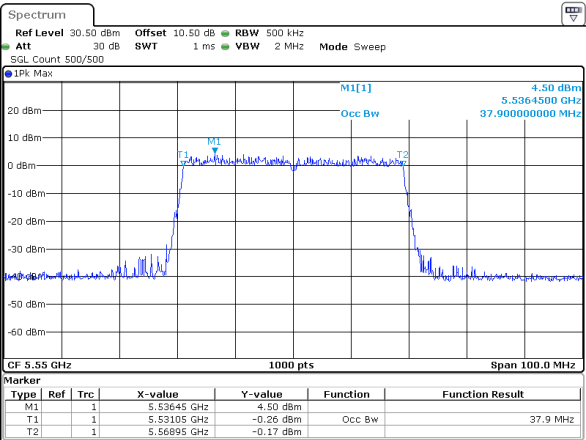


802.11ax40_5510MHz_RU_Full



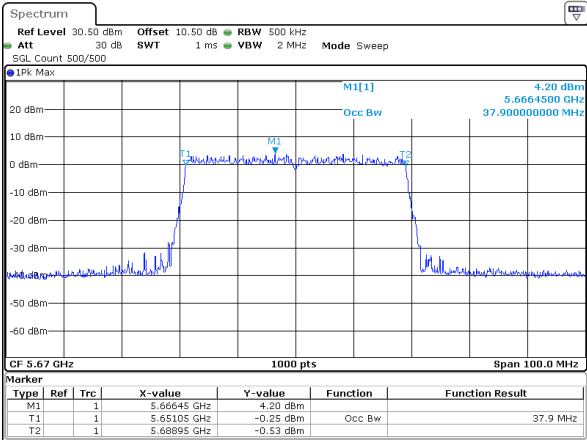
ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 24.MAY.2025 00:57:44

802.11ax40_5550MHz_RU_Full



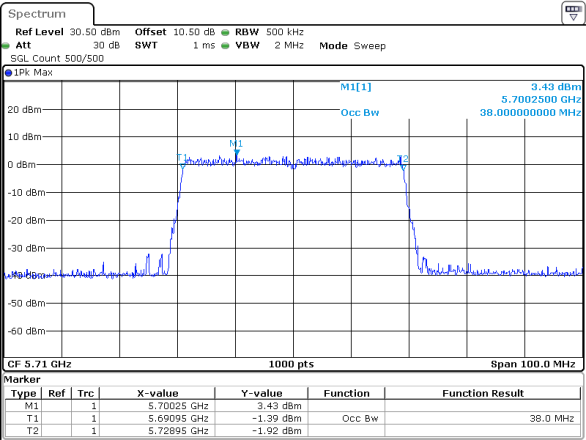
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Date: 24.MAY.2025 00:58:44

802.11ax40_5670MHz_RU_Full



ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 24.MAY.2025 00:59:49

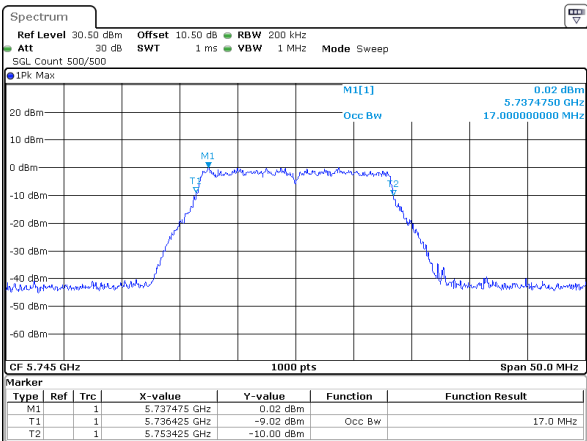
802.11ax40_5710MHz_RU_Full



ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 24.MAY.2025 01:01:02

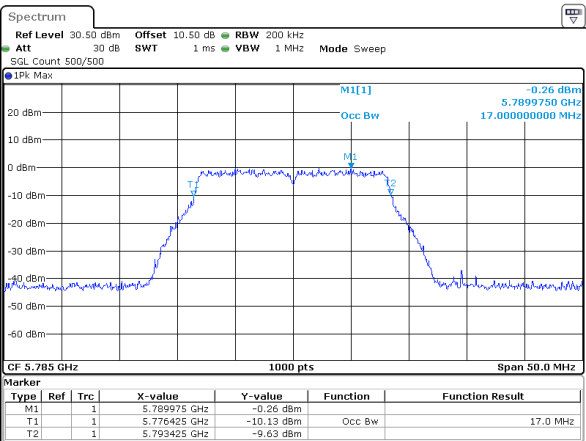
5725-5850MHz

802.11a_5745MHz



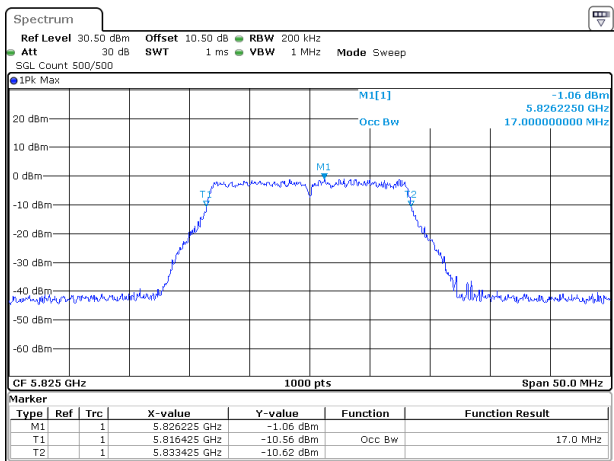
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802.11a_5785MHz



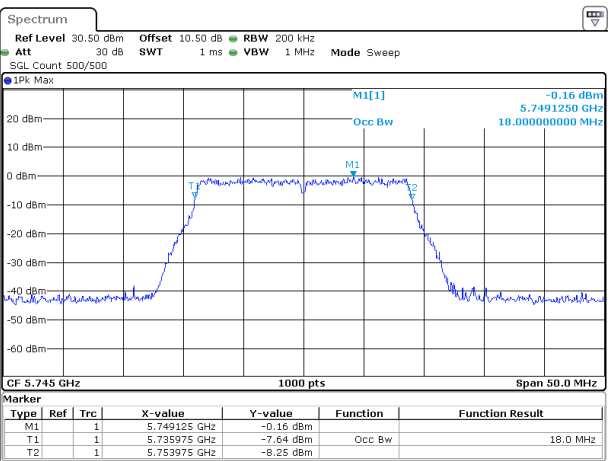
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802.11a_5825MHz



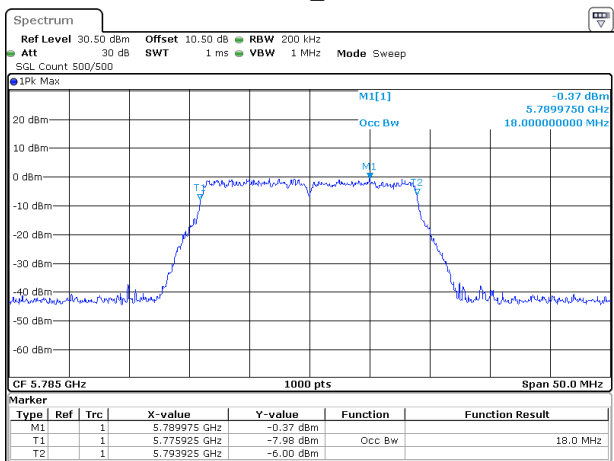
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Date: 24.MAY.2025 00:04:58

802.11ac20_5745MHz



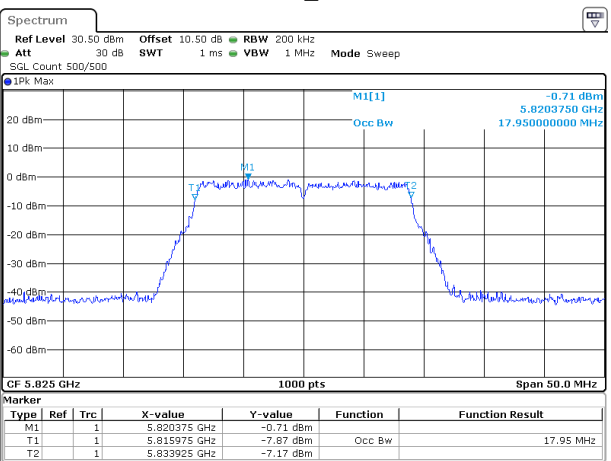
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802.11ac20_5785MHz



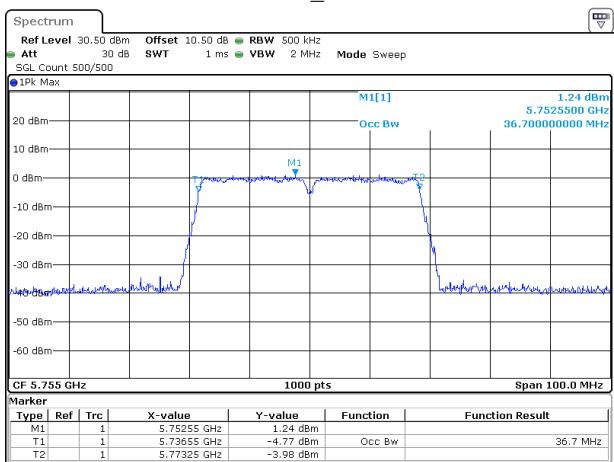
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802.11ac20_5825MHz



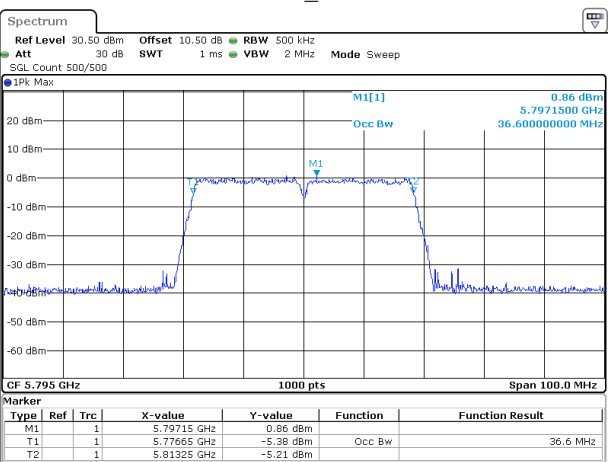
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Date: 24.MAY.2025 00:10:32

802.11ac40_5755MHz



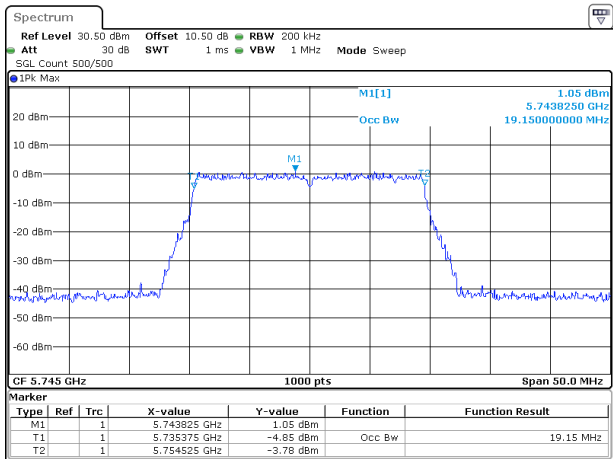
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Date: 24.MAY.2025 00:11:56

802.11ac40_5795MHz



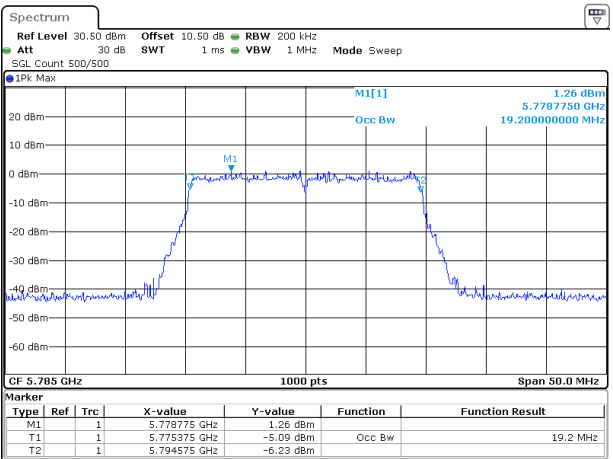
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Date: 24.MAY.2025 00:13:00

802.11ax20_5745MHz_RU_Full



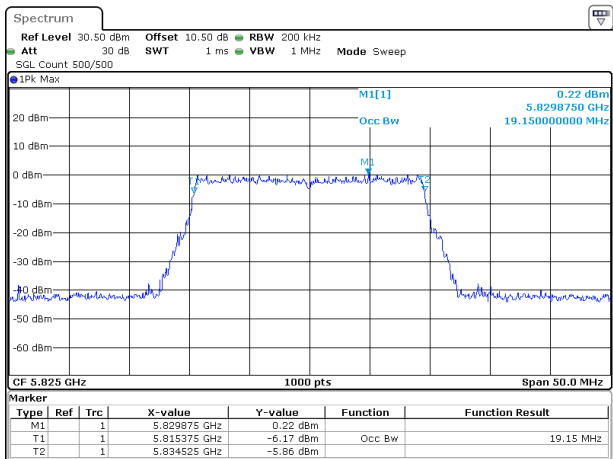
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802.11ax20_5785MHz_RU_Full



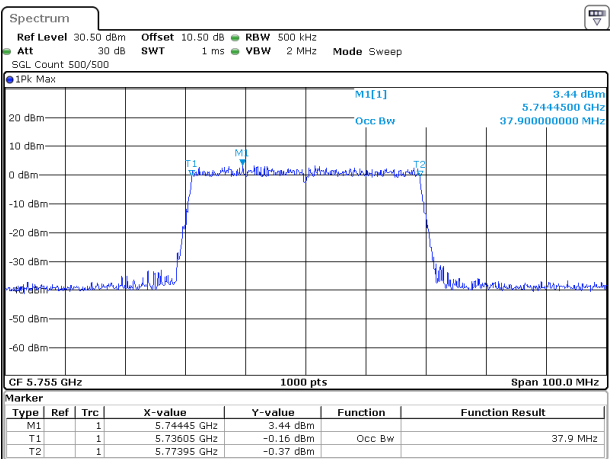
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802.11ax20_5825MHz_RU_Full



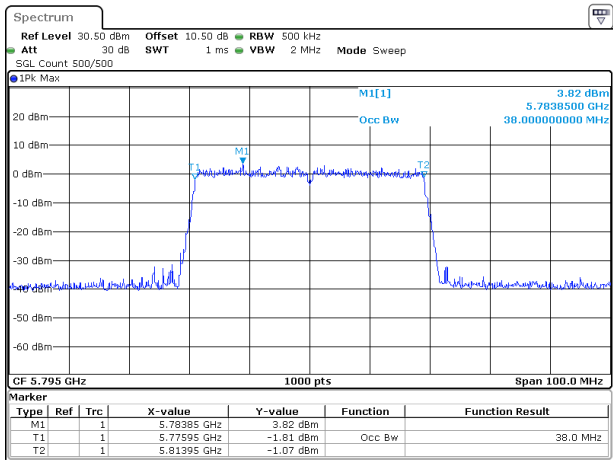
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Date: 24.MAY.2025 00:18:43

802.11ax40_5755MHz_RU_Full



ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 24.MAY.2025 00:19:47

802.11ax40_5795MHz_RU_Full



ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 24.MAY.2025 00:20:50

Maximum Conducted Output Power**Test Information:**

Sample No.:	315U-1	Test Date:	2025/05/23~2025/06/10
Test Site:	RF	Test Mode:	Transmitting
Tester:	Brian Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.5-25.1	Relative Humidity: (%)	42-49	ATM Pressure: (kPa)	101
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Test Data:**5150-5250MHz**

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5180	10.50	24	Pass
	5200	10.27	24	Pass
	5240	10.55	24	Pass
802.11ac20	5180	10.52	24	Pass
	5200	10.36	24	Pass
	5240	10.69	24	Pass
802.11ac40	5190	10.43	24	Pass
	5230	10.72	24	Pass
802.11ax20_RU_Full	5180	10.61	24	Pass
	5200	10.42	24	Pass
	5240	10.74	24	Pass
802.11ax40_RU_Full	5190	10.51	24	Pass
	5230	10.80	24	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5260	11.96	24	Pass
	5280	11.77	24	Pass
	5320	12.46	24	Pass
802.11ac20	5260	11.95	24	Pass
	5280	11.92	24	Pass
	5320	12.55	24	Pass
802.11ac40	5270	11.87	24	Pass
	5310	12.57	24	Pass
802.11ax20_RU_Full	5260	12.07	24	Pass
	5280	12.02	24	Pass
	5320	12.64	24	Pass
802.11ax40_RU_Full	5270	12.02	24	Pass
	5310	12.69	24	Pass

5470-5725MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5500	12.23	24	Pass
	5580	11.29	24	Pass
	5700	10.88	24	Pass
	5720	9.78	24	Pass
802.11ac20	5500	12.26	24	Pass
	5580	11.35	24	Pass
	5700	10.98	24	Pass
	5720	9.75	24	Pass
802.11ac40	5510	12.09	24	Pass
	5550	11.34	24	Pass
	5670	11.37	24	Pass
	5710	10.43	24	Pass
802.11ax20_RU_Full	5500	12.28	24	Pass
	5580	11.31	24	Pass
	5700	11.08	24	Pass
	5720	9.64	24	Pass
802.11ax40_RU_Full	5510	12.20	24	Pass
	5550	11.39	24	Pass
	5670	11.49	24	Pass
	5710	10.54	24	Pass

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5745	10.65	30	Pass
	5785	10.43	30	Pass
	5825	9.79	30	Pass
802.11ac20	5745	10.82	30	Pass
	5785	10.46	30	Pass
	5825	9.8	30	Pass
802.11ac40	5755	10.91	30	Pass
	5795	10.32	30	Pass
802.11ax20_RU_Full	5745	10.85	30	Pass
	5785	10.49	30	Pass
	5825	9.89	30	Pass
802.11ax40_RU_Full	5755	10.94	30	Pass
	5795	10.39	30	Pass

Power Spectral Density

Test Information:

Sample No.:	315U-1	Test Date:	2025/05/23~2025/05/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	Brian Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.1	Relative Humidity: (%)	42	ATM Pressure: (kPa)	101
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Test Data:**5150-5250MHz**

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5180	-0.65	0.12	-0.53	11	Pass
	5200	-0.88	0.12	-0.76	11	Pass
	5240	-0.41	0.12	-0.29	11	Pass
802.11ac20	5180	-0.68	0.12	-0.56	11	Pass
	5200	-1.09	0.12	-0.97	11	Pass
	5240	-0.91	0.12	-0.79	11	Pass
802.11ac40	5190	-3.85	0.12	-3.73	11	Pass
	5230	-3.68	0.12	-3.56	11	Pass
802.11ax20_RU_Full	5180	-0.97	0.14	-0.83	11	Pass
	5200	-1.30	0.14	-1.16	11	Pass
	5240	-1.08	0.14	-0.94	11	Pass
802.11ax40_RU_Full	5190	-4.32	0.15	-4.17	11	Pass
	5230	-3.66	0.15	-3.51	11	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5260	0.68	0.12	0.80	11	Pass
	5280	0.77	0.12	0.89	11	Pass
	5320	1.67	0.12	1.79	11	Pass
802.11ac20	5260	0.52	0.12	0.64	11	Pass
	5280	0.43	0.12	0.55	11	Pass
	5320	1.16	0.12	1.28	11	Pass
802.11ac40	5270	-2.59	0.12	-2.47	11	Pass
	5310	-1.92	0.12	-1.80	11	Pass
802.11ax20_RU_Full	5260	0.43	0.14	0.57	11	Pass
	5280	0.46	0.14	0.60	11	Pass
	5320	1.06	0.14	1.20	11	Pass
802.11ax40_RU_Full	5270	-2.51	0.15	-2.36	11	Pass
	5310	-2.10	0.15	-1.95	11	Pass

5470-5725MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5500	0.93	0.12	1.05	11	Pass
	5580	0.05	0.12	0.17	11	Pass
	5700	-0.16	0.12	-0.04	11	Pass
	5720	-0.45	0.12	-0.33	11	Pass
802.11ac20	5500	0.86	0.12	0.98	11	Pass
	5580	-0.15	0.12	-0.03	11	Pass
	5700	-0.24	0.12	-0.12	11	Pass
	5720	-0.56	0.12	-0.44	11	Pass
802.11ac40	5510	-2.25	0.12	-2.13	11	Pass
	5550	-3.10	0.12	-2.98	11	Pass
	5670	-3.02	0.12	-2.90	11	Pass
	5710	-3.36	0.12	-3.24	11	Pass
802.11ax20_RU_Full	5500	0.57	0.14	0.71	11	Pass
	5580	-0.31	0.14	-0.17	11	Pass
	5700	-0.59	0.14	-0.45	11	Pass
	5720	-0.68	0.14	-0.54	11	Pass
802.11ax40_RU_Full	5510	-2.46	0.15	-2.31	11	Pass
	5550	-3.36	0.15	-3.21	11	Pass
	5670	-3.26	0.15	-3.11	11	Pass
	5710	-4.26	0.15	-4.11	11	Pass

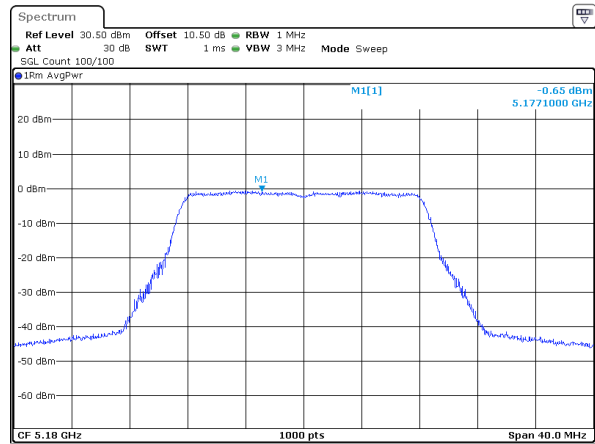
5725-5850MHz

Mode	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor(dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11a	5745	-3.31	0.12	-3.19	30	Pass
	5785	-3.40	0.12	-3.28	30	Pass
	5825	-4.19	0.12	-4.07	30	Pass
802.11ac20	5745	-3.58	0.12	-3.46	30	Pass
	5785	-3.51	0.12	-3.39	30	Pass
	5825	-4.39	0.12	-4.27	30	Pass
802.11ac40	5755	-6.48	0.12	-6.36	30	Pass
	5795	-6.82	0.12	-6.70	30	Pass
802.11ax20_RU_Full	5745	-3.79	0.14	-3.65	30	Pass
	5785	-4.05	0.14	-3.91	30	Pass
	5825	-4.76	0.14	-4.62	30	Pass
802.11ax40_RU_Full	5755	-6.52	0.15	-6.37	30	Pass
	5795	-6.66	0.15	-6.51	30	Pass

Result = Reading + Duty Cycle Factor

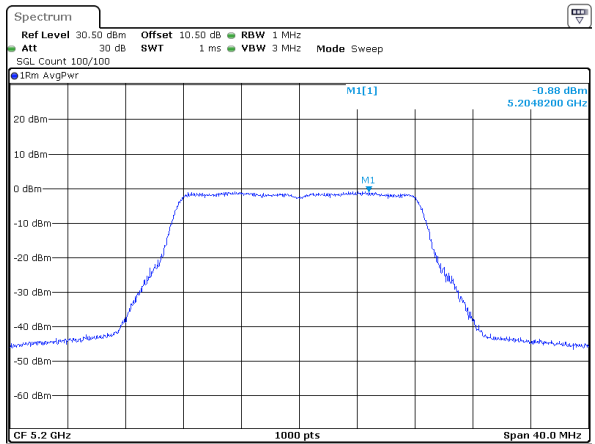
5150-5250MHz

802.11a_5180MHz



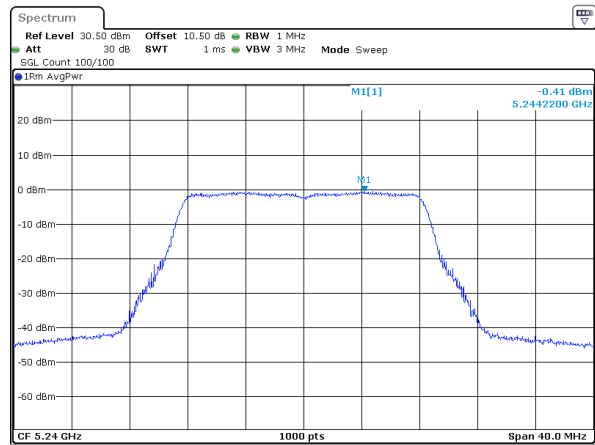
ProjectNo.:2501S34461E-RF Tester:Brian LI
Date: 23.MAY.2025 23:16:09

802.11a_5200MHz



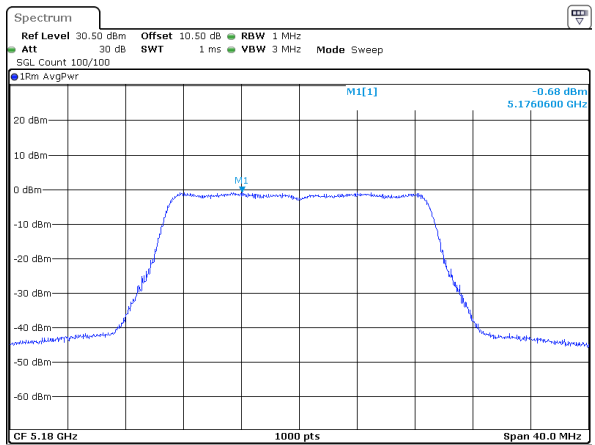
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Date: 23.MAY.2025 23:20:10

802.11a_5240MHz



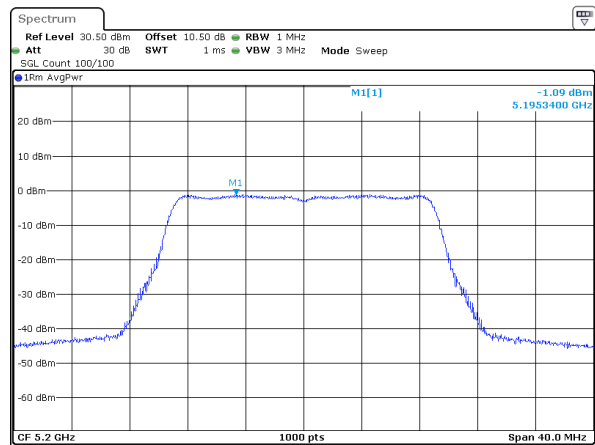
ProjectNo.:2501S34461E-RF Tester:Brian LI
Date: 23.MAY.2025 23:22:00

802.11ac20_5180MHz



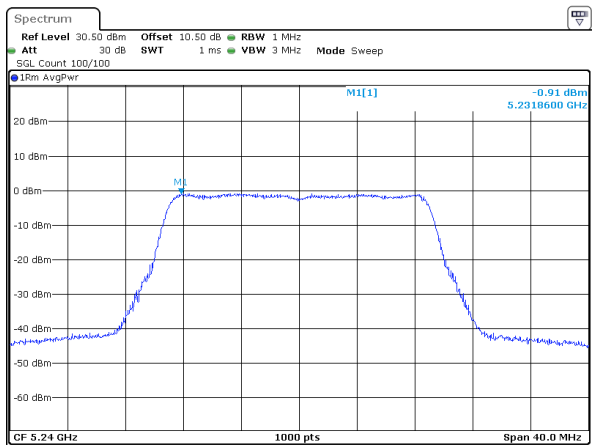
ProjectNo.:2501S34461E-RF Tester:Brian LI
Date: 23.MAY.2025 23:23:44

802.11ac20_5200MHz



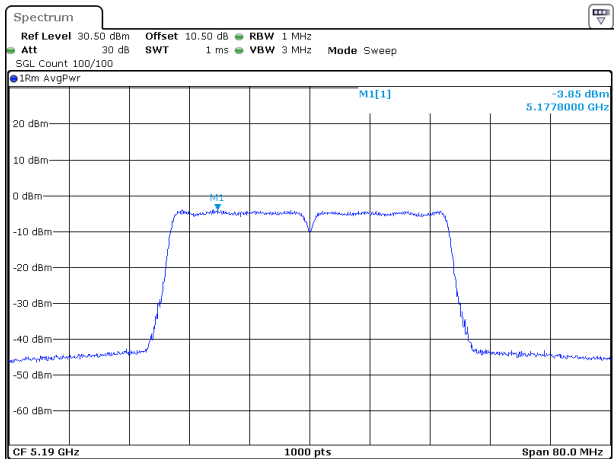
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Date: 23.MAY.2025 23:25:28

802.11ac20_5240MHz



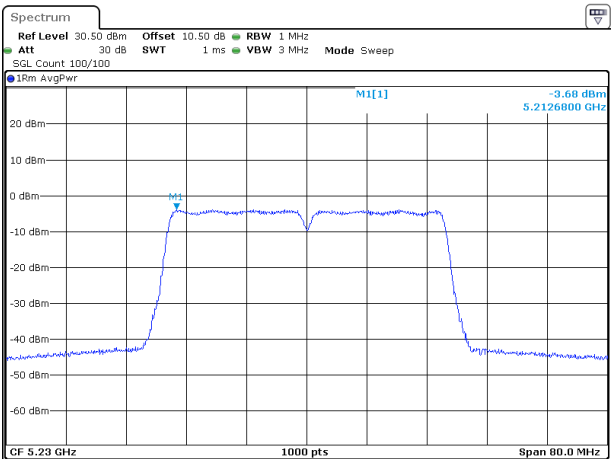
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Date: 23.MAY.2025 23:27:13

802.11ac40_5190MHz



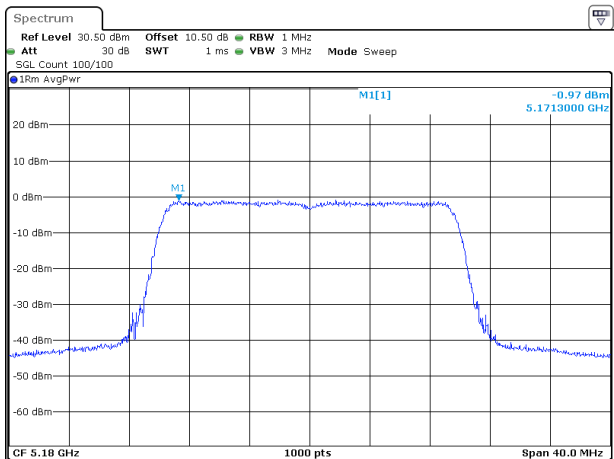
ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 23.MAY.2025 23:28:23

802.11ac40_5230MHz



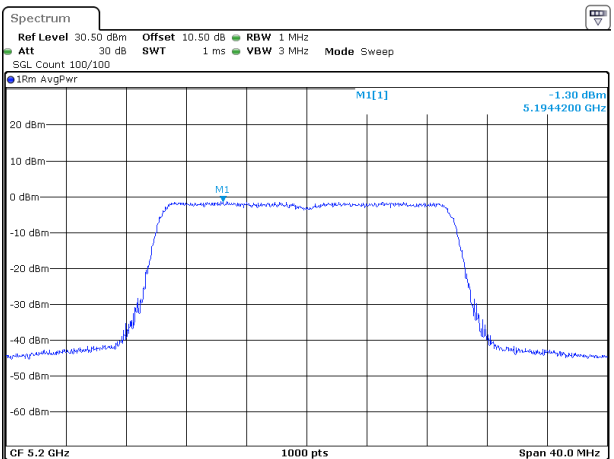
ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 23.MAY.2025 23:29:38

802.11ax20_5180MHz_RU_Full



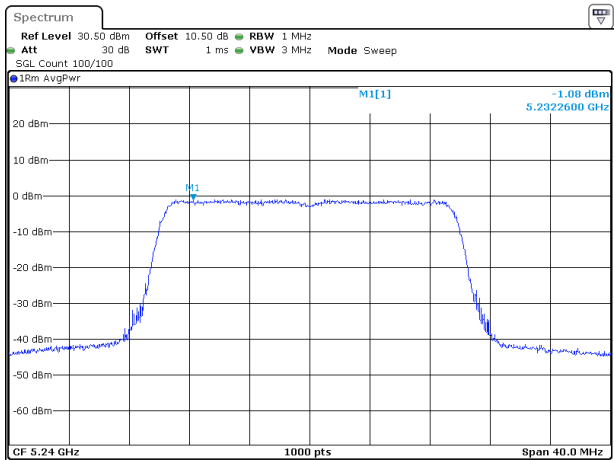
ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 23.MAY.2025 23:31:36

802.11ax20_5200MHz_RU_Full



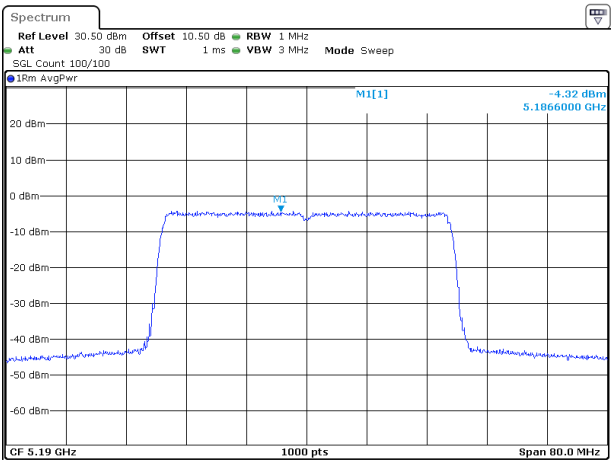
ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 23.MAY.2025 23:33:14

802.11ax20_5240MHz_RU_Full



ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 23.MAY.2025 23:34:47

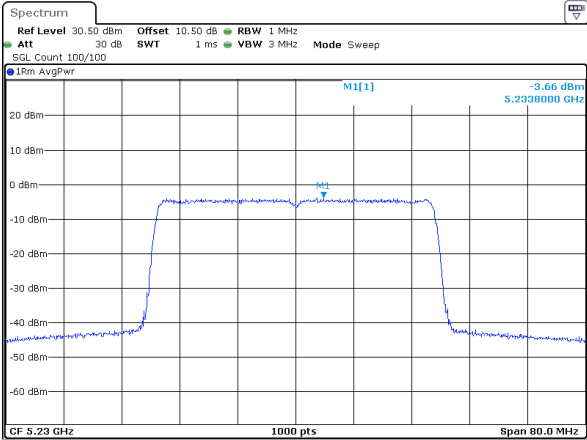
802.11ax40_5190MHz_RU_Full



ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 23.MAY.2025 23:36:00

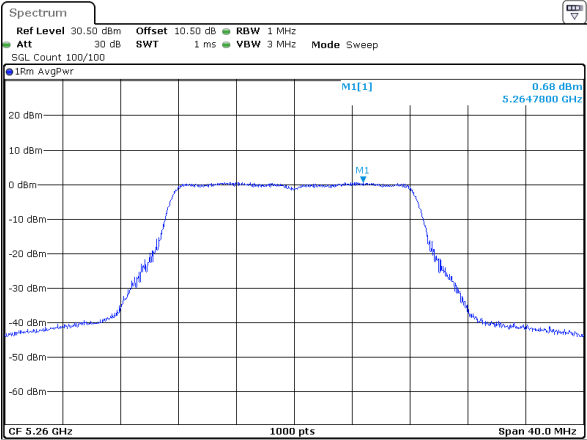
5250-5350MHz

802.11ax40_5230MHz_RU_Full



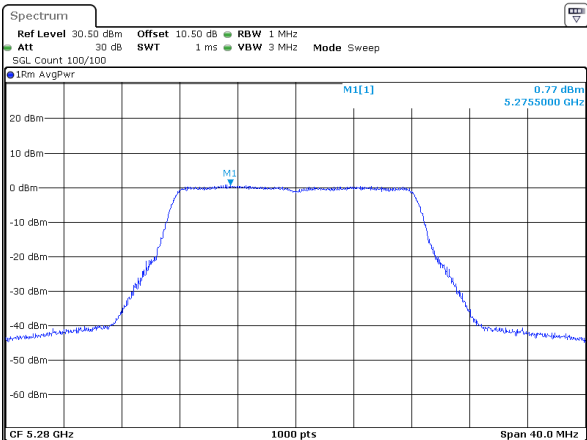
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Date: 23.MAY.2025 23:37:10

802.11a_5260MHz



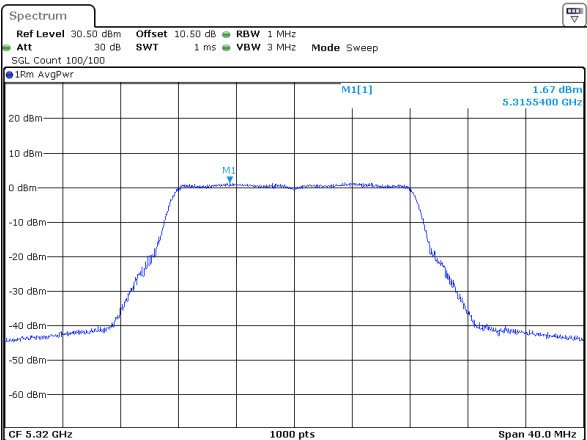
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Date: 23.MAY.2025 23:38:45

802.11a_5280MHz



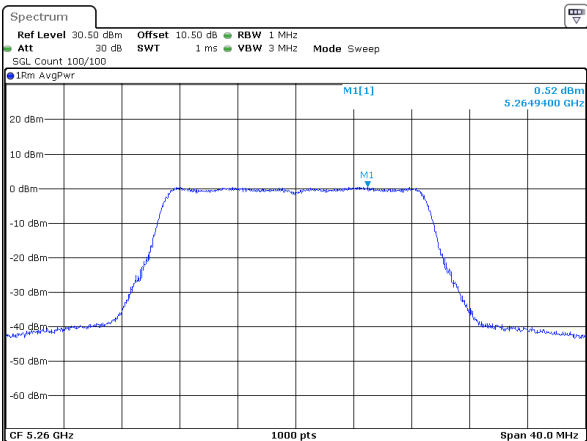
ProjectNo.:2501S34461E-RF Tester:Brian LI
Date: 23.MAY.2025 23:40:22

802.11a_5320MHz



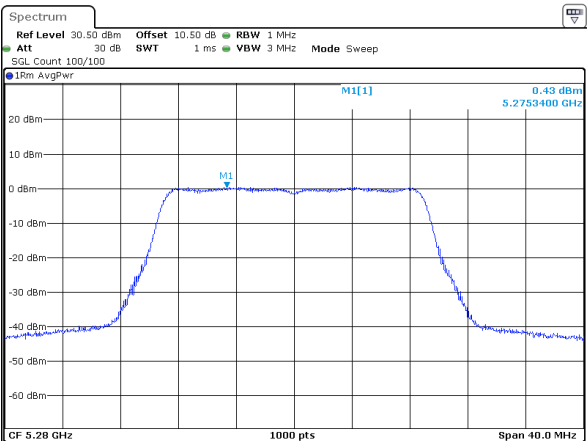
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Date: 23.MAY.2025 23:41:57

802.11ac20_5260MHz



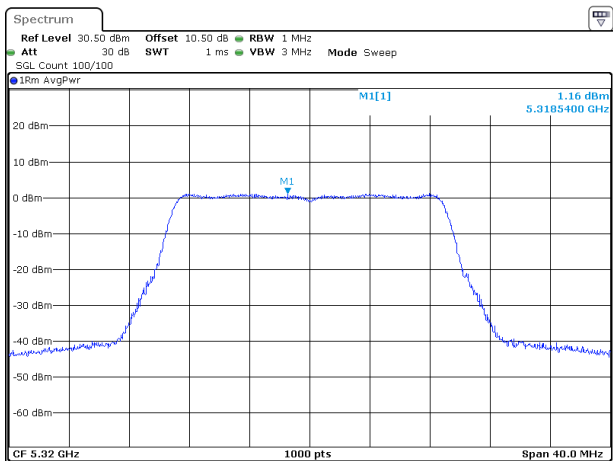
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Date: 23.MAY.2025 23:44:00

802.11ac20_5280MHz



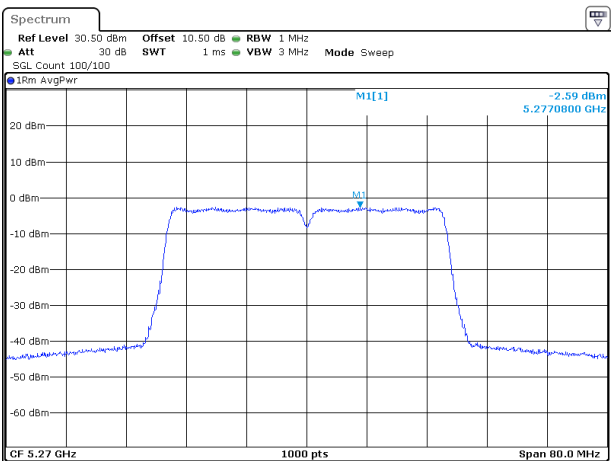
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Date: 23.MAY.2025 23:46:18

802.11ac20_5320MHz



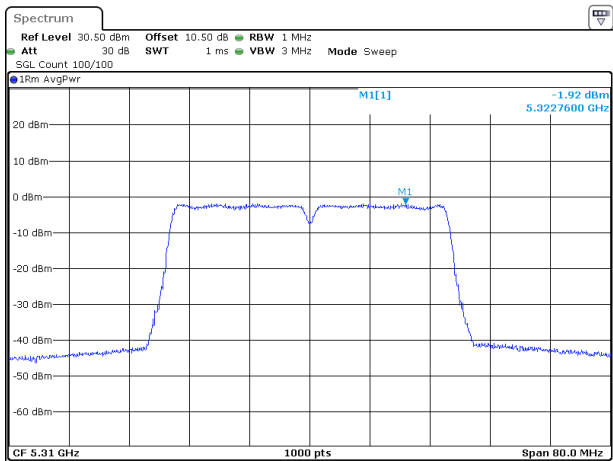
ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 23.MAY.2025 23:48:29

802.11ac40_5270MHz



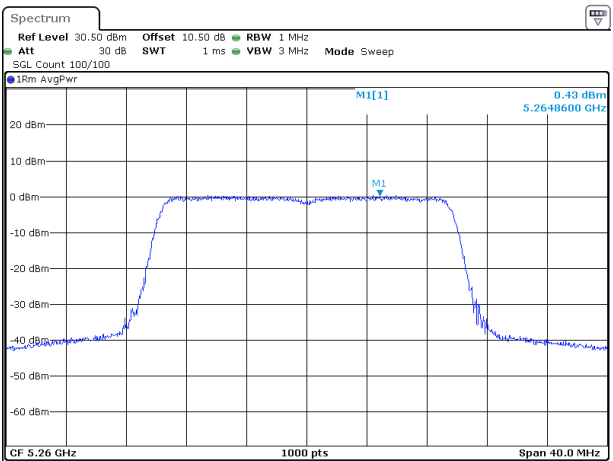
ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 23.MAY.2025 23:49:44

802.11ac40_5310MHz



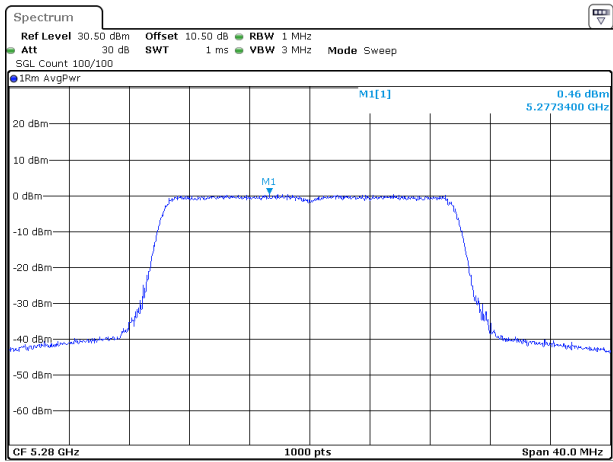
ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 23.MAY.2025 23:51:35

802.11ax20_5260MHz_RU_Full



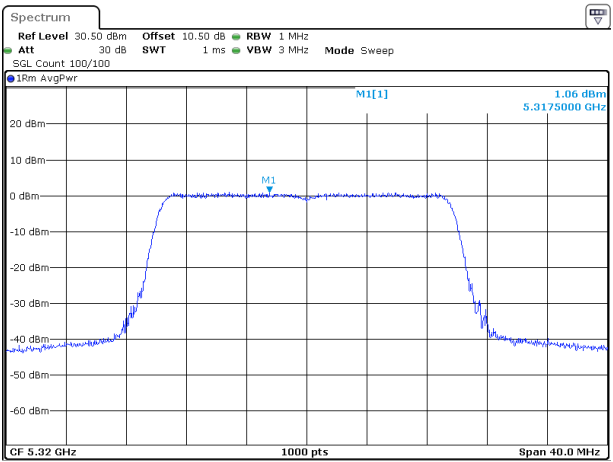
ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 23.MAY.2025 23:53:10

802.11ax20_5280MHz_RU_Full



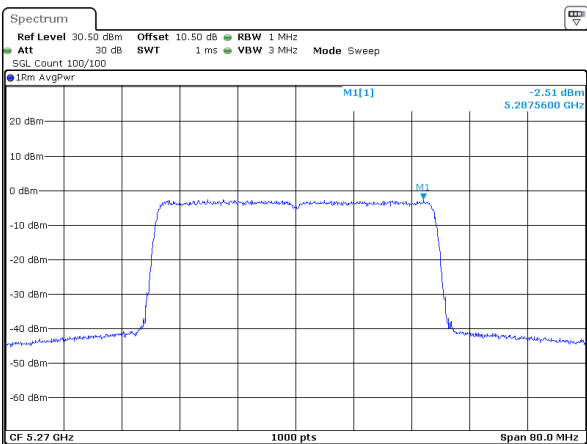
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802.11ax20_5320MHz_RU_Full



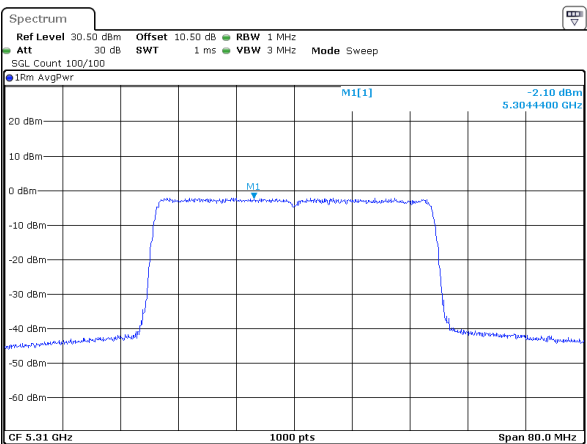
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Date: 23.MAY.2025 23:57:02

802.11ax40_5270MHz_RU_Full



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Date: 23.MAY.2025 23:58:45

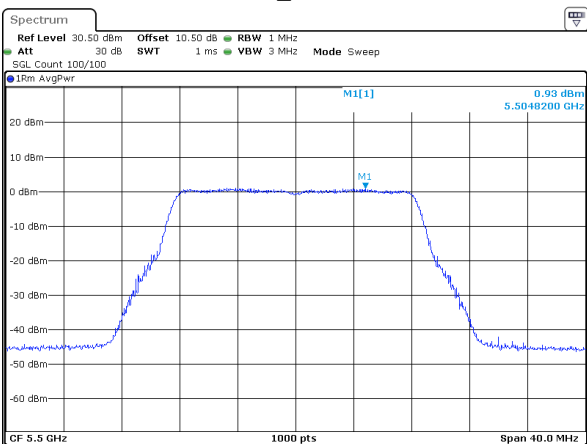
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Date: 23.MAY.2025 23:59:55

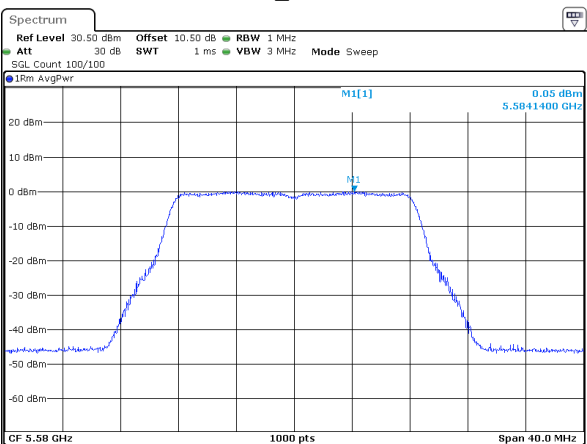
5470-5725MHz

802.11a_5500MHz



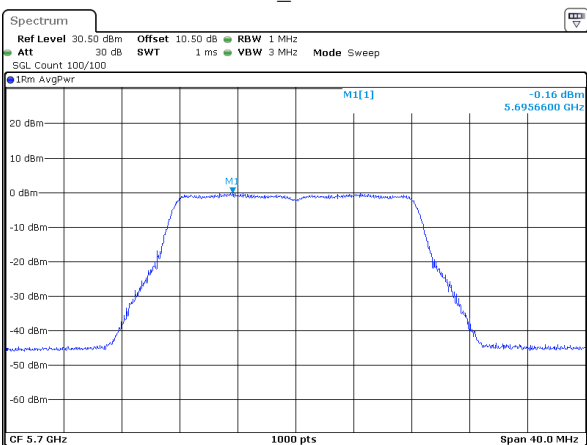
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802.11a_5580MHz



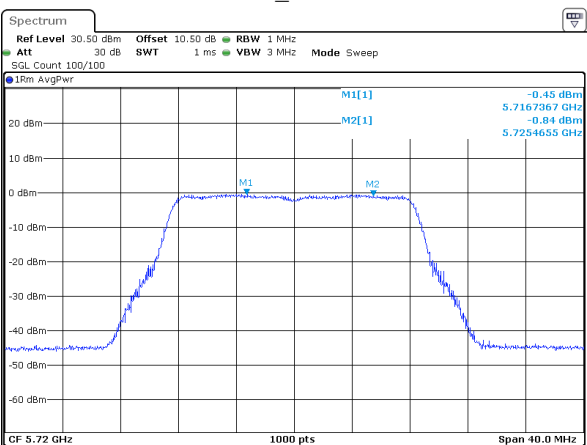
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802.11a_5700MHz



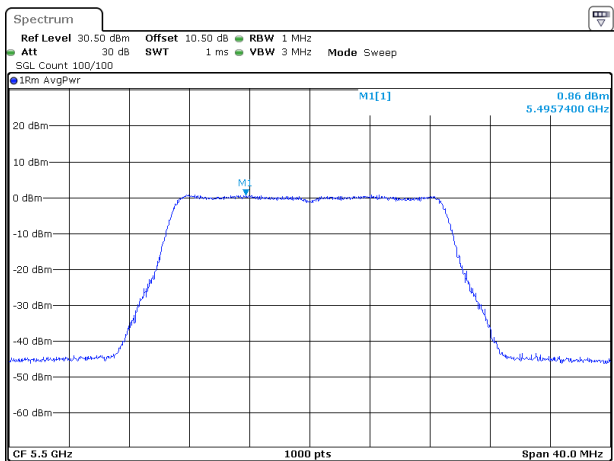
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Date: 24.MAY.2025 00:30:07

802.11a_5720MHz



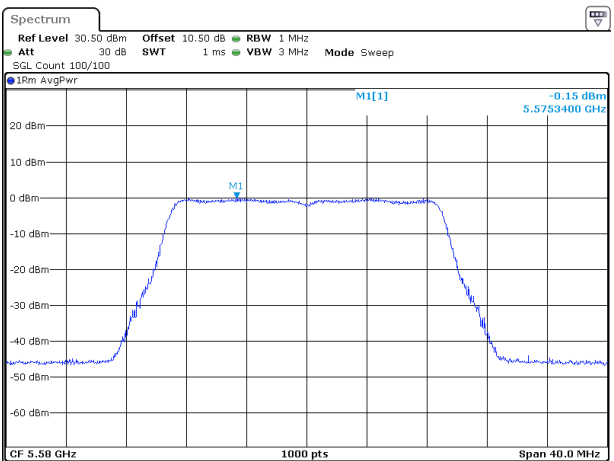
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802.11ac20_5500MHz



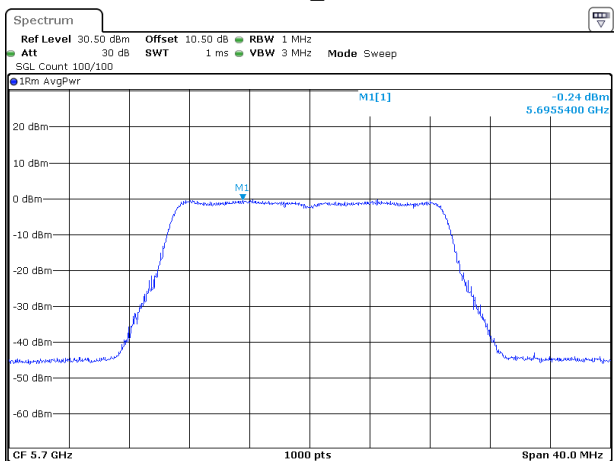
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802.11ac20_5580MHz



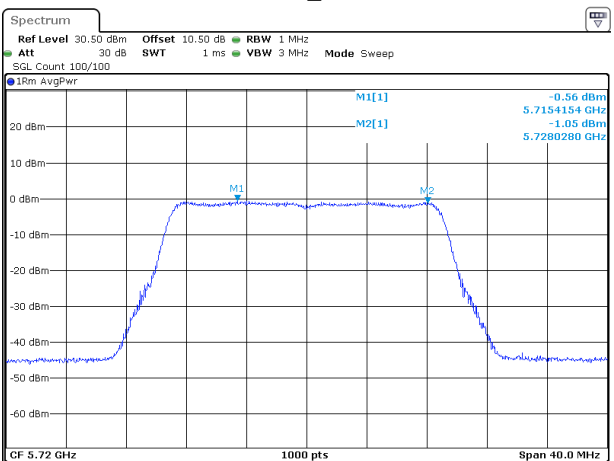
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802.11ac20_5700MHz



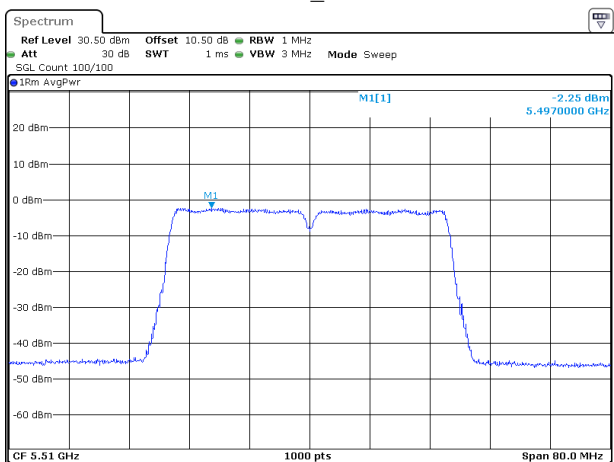
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Date: 24.MAY.2025 00:39:49

802.11ac20_5720MHz



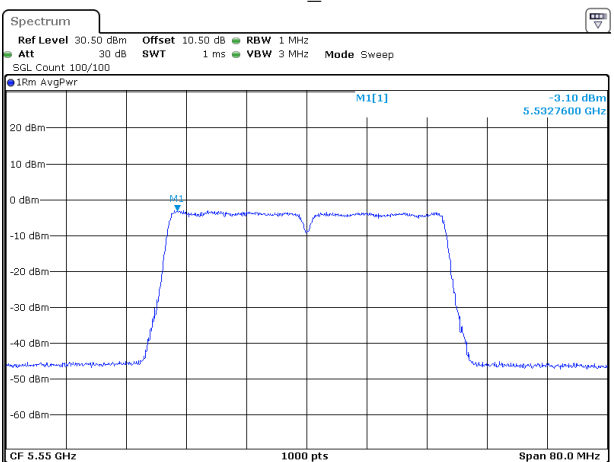
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Date: 24.MAY.2025 00:41:58

802.11ac40_5510MHz



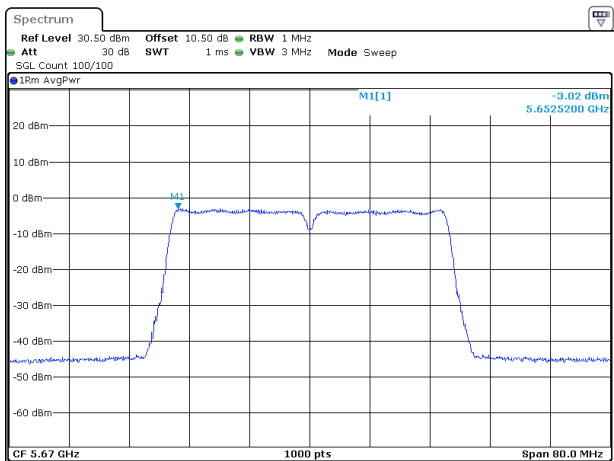
ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 24.MAY.2025 00:43:22

802.11ac40_5550MHz



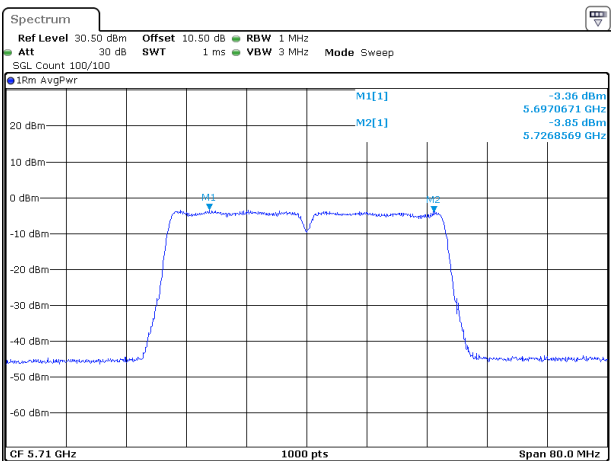
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Date: 24.MAY.2025 00:45:34

802.11ac40_5670MHz



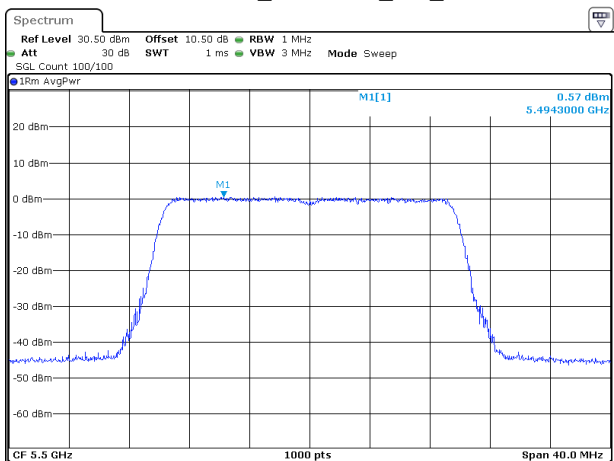
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802.11ac40_5710MHz



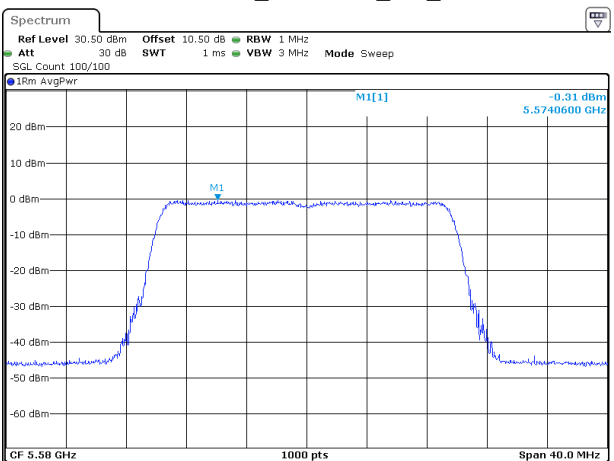
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Date: 24.MAY.2025 00:50:02

802.11ax20_5500MHz_RU_Full



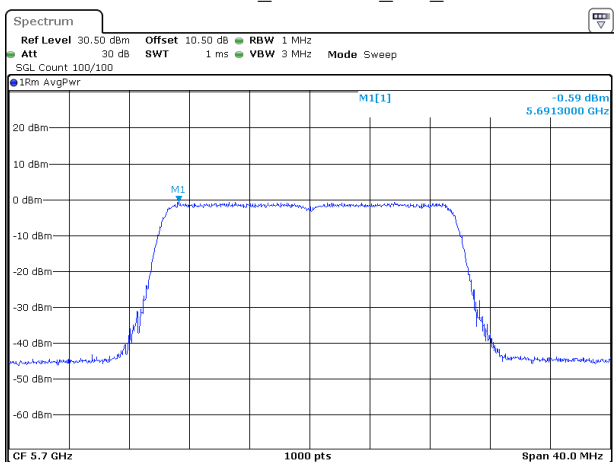
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Date: 24.MAY.2025 00:51:42

802.11ax20_5580MHz_RU_Full



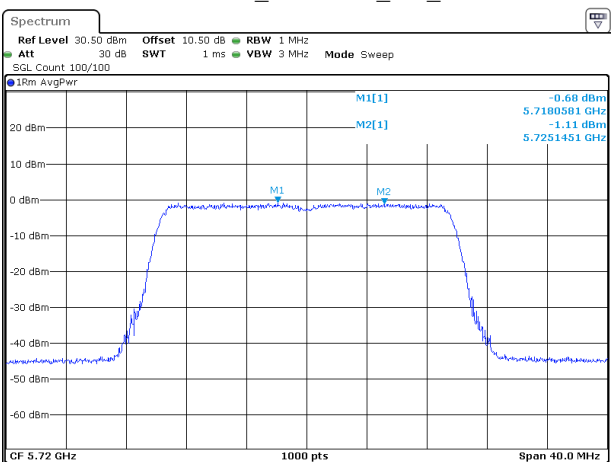
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802.11ax20_5700MHz_RU_Full



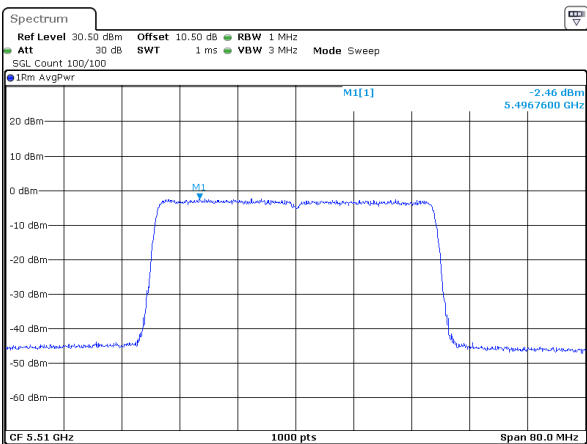
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802.11ax20_5720MHz_RU_Full



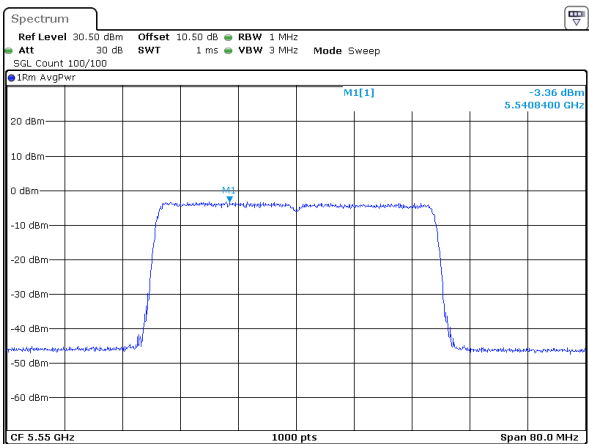
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802.11ax40_5510MHz_RU_Full



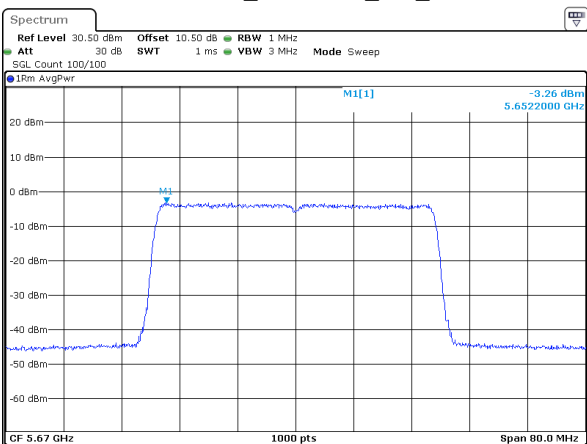
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802.11ax40_5550MHz_RU_Full



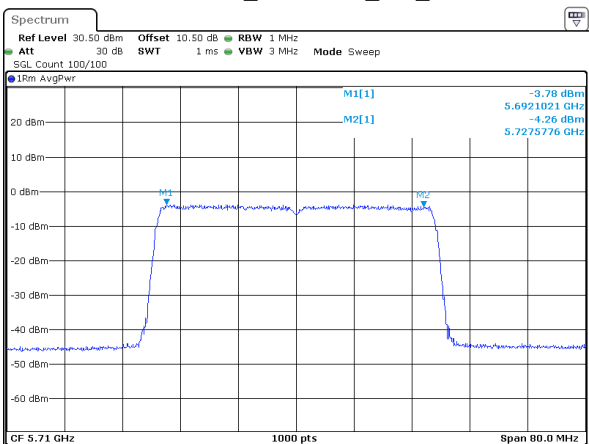
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Date: 24.MAY.2025 00:59:10

802.11ax40_5670MHz_RU_Full



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Date: 24.MAY.2025 01:00:19

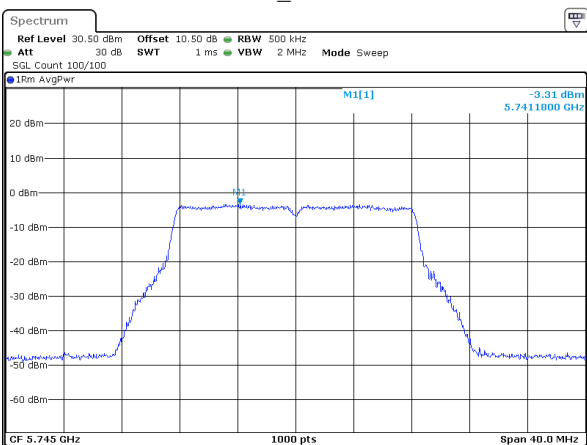
802.11ax40_5710MHz_RU_Full



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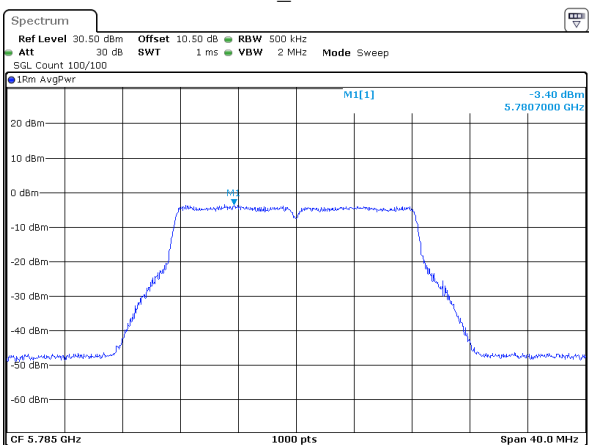
5725-5850MHz

802.11a_5745MHz



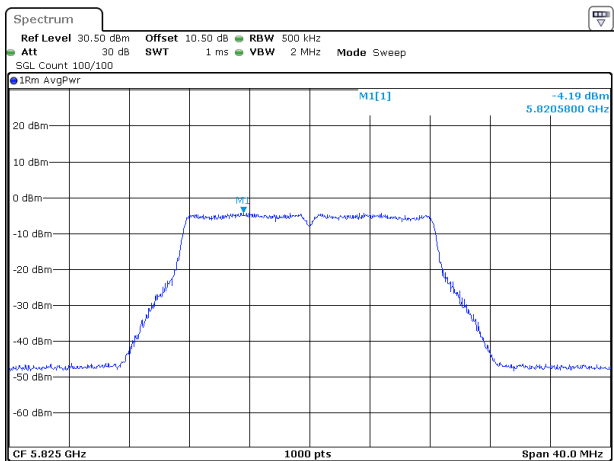
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Date: 24.MAY.2025 00:01:59

802.11a_5785MHz



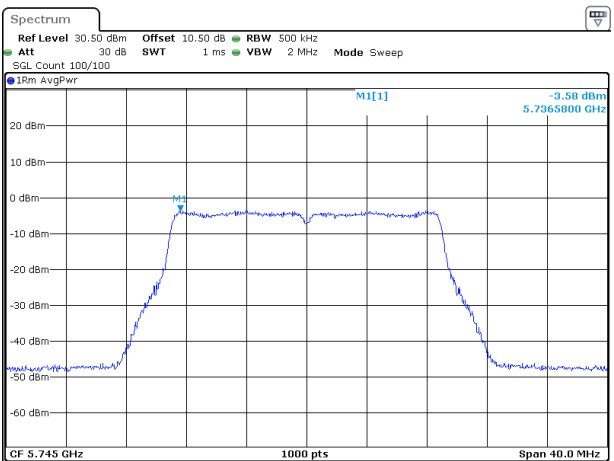
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Date: 24.MAY.2025 00:04:01

802.11a_5825MHz



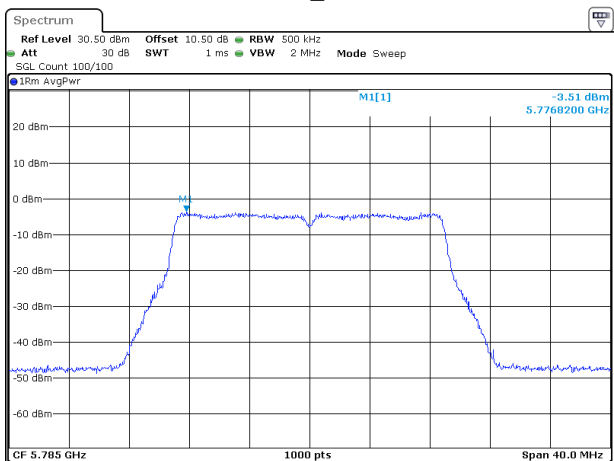
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Date: 24.MAY.2025 00:05:21

802.11ac20_5745MHz



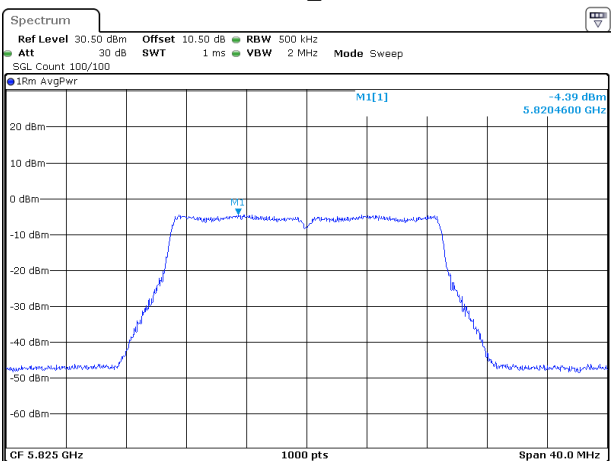
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802.11ac20_5785MHz



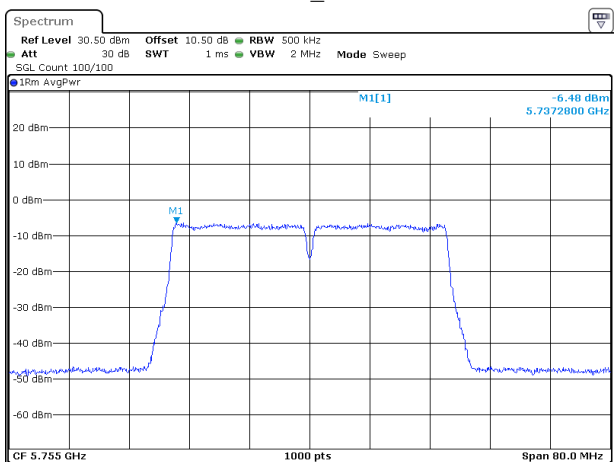
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802.11ac20_5825MHz



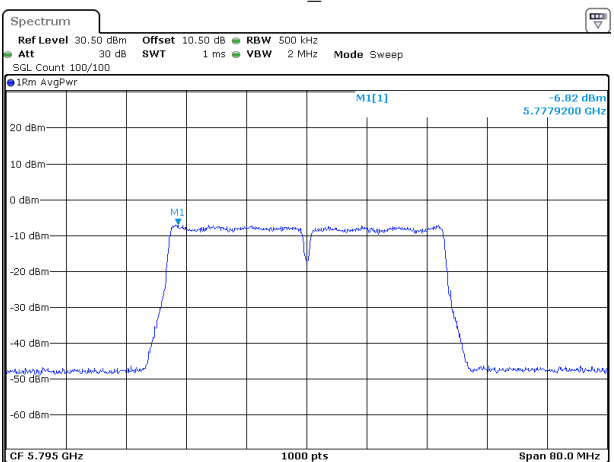
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Date: 24.MAY.2025 00:10:54

802.11ac40_5755MHz



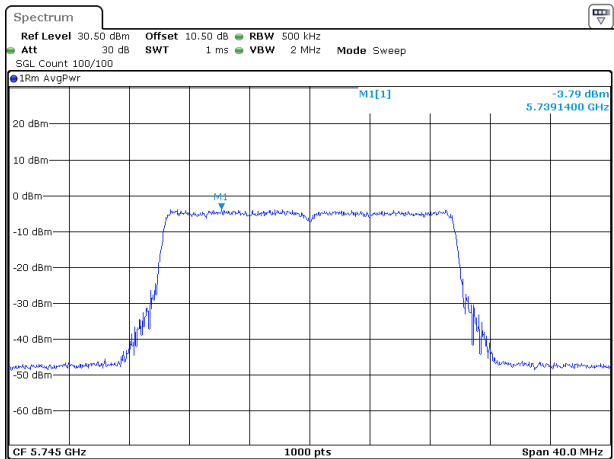
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Date: 24.MAY.2025 00:12:18

802.11ac40_5795MHz



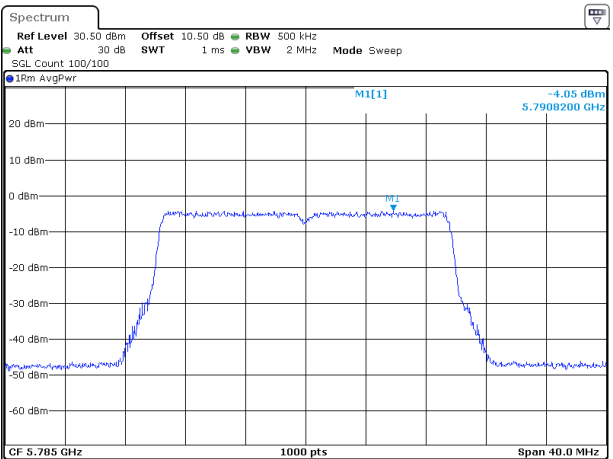
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Date: 24.MAY.2025 00:13:23

802.11ax20_5745MHz_RU_Full



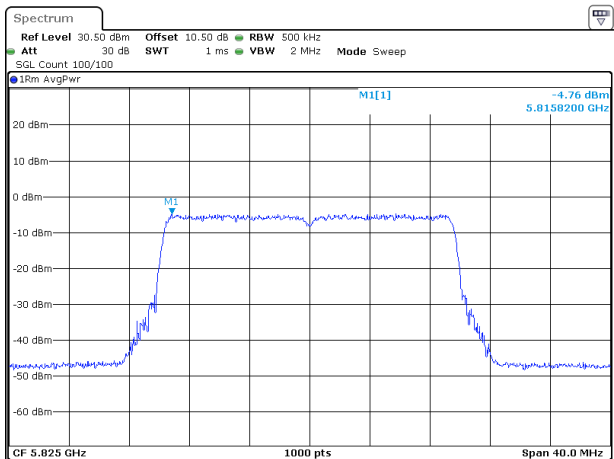
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802.11ax20_5785MHz_RU_Full



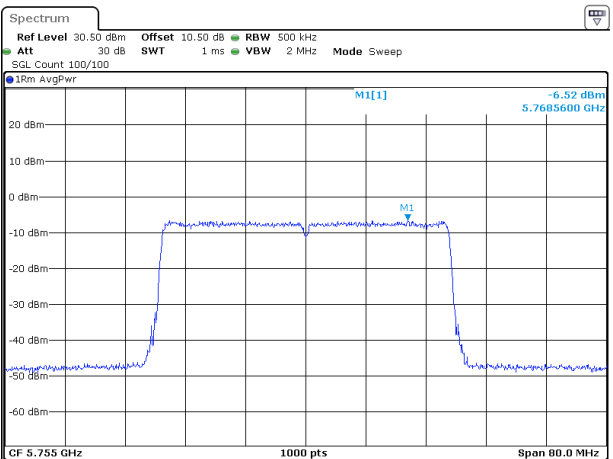
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Date: 24.MAY.2025 00:17:38

802.11ax20_5825MHz_RU_Full



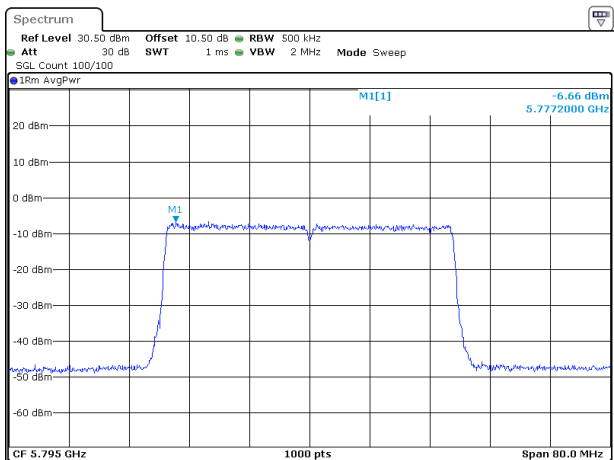
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Date: 24.MAY.2025 00:19:06

802.11ax40_5755MHz_RU_Full



ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 24.MAY.2025 00:20:10

802.11ax40_5795MHz_RU_Full



ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 24.MAY.2025 00:21:12

Duty Cycle

Test Information:

Sample No.:	315U-1	Test Date:	2025/05/23~2025/06/10
Test Site:	RF	Test Mode:	Transmitting
Tester:	Brian Li	Test Result:	Pass

Environmental Conditions:

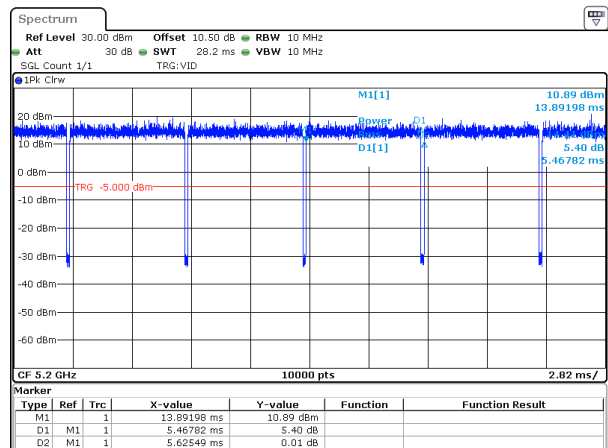
Temperature: (°C)	24.5-25.1	Relative Humidity: (%)	42-49	ATM Pressure: (kPa)	101
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Test Data:

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	5.468	5.625	97.21	0.12	183	0.200
802.11ac20	5200	5.373	5.523	97.28	0.12	186	0.200
802.11ac40	5190	5.154	5.303	97.19	0.12	194	0.200
802.11ax20_RU_Full	5200	4.638	4.794	96.75	0.14	216	0.300
802.11ax40_RU_Full	5190	4.623	4.781	96.70	0.15	216	0.300

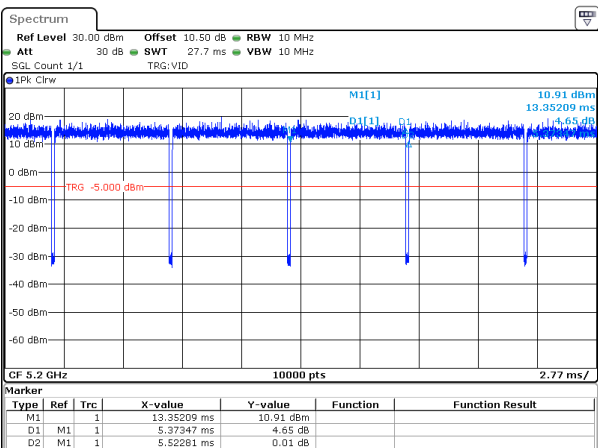
Duty Cycle = Ton/(Ton+Toff)*100%

802.11a_5200MHz



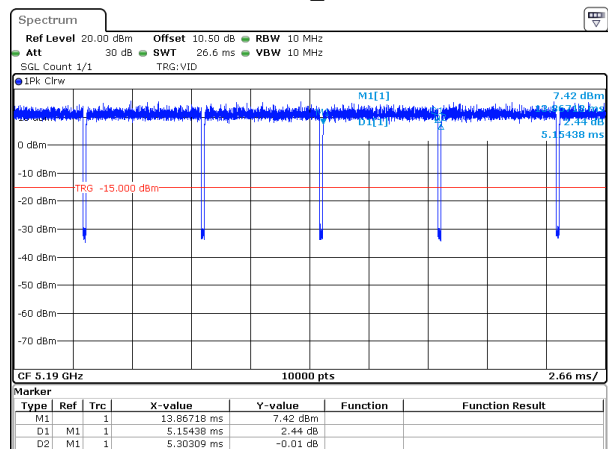
ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 10.JUN.2025 22:42:00

802.11ac20_5200MHz



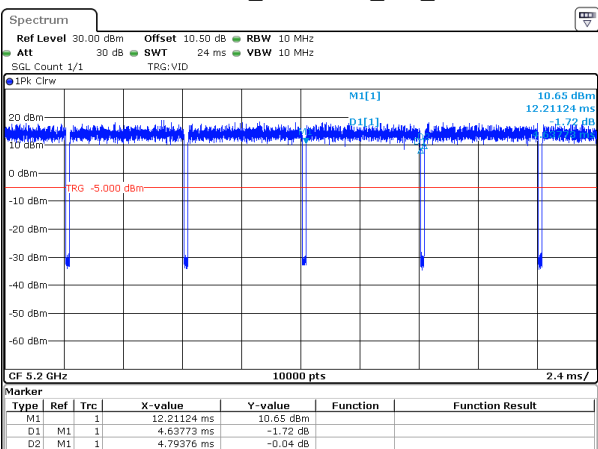
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Date: 10.JUN.2025 22:43:31

802.11ac40_5190MHz



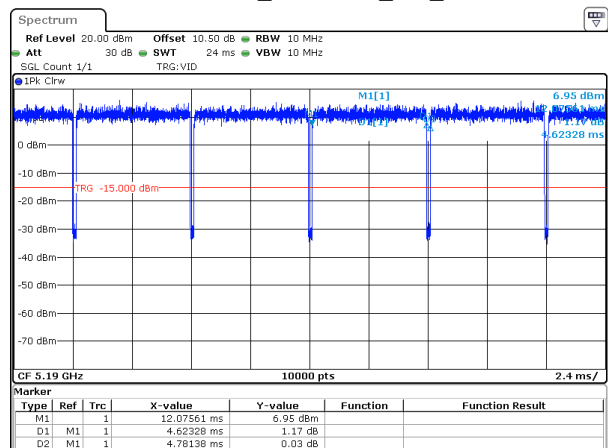
ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 23.MAY.2025 23:01:31

802.11ax20_5200MHz_RU_Full



ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 10.JUN.2025 22:44:30

802.11ax40_5190MHz_RU_Full



ProjectNo.:2501S34461E-RF Tester:Brian Li
Date: 23.MAY.2025 23:02:02

RF EXPOSURE EVALUATION

MPE-Based Exemption

Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

According to KDB 447498 D04 v01 Interim General RF Exposure Guidance

MPE-Based Exemption:

General frequency and separation-distance dependent MPE-based effective radiated power(ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(3)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2 f$.
1,500-100,000	$19.2 R^2$.

R is the minimum separation distance in meters

f = frequency in MHz

For multiple RF sources: Multiple RF sources are exempt if:

in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation:

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$$

Result

Mode	Frequency (MHz)	Tune up conducted power [#] (dBm)	Antenna Gain [#]		ERP		Evaluation Distance (m)	ERP Limit (mW)
			(dBi)	(dBd)	(dBm)	(mW)		
BT	2402-2480	7.0	3.13	0.98	7.98	6.28	0.2	768
BLE	2402-2480	4.5	3.13	0.98	5.48	3.53	0.2	768
2.4G Wi-Fi	2412-2462	21.5	3.13	0.98	22.48	177.01	0.2	768
5.2G Wi-Fi	5180-5240	11.0	5.60	3.45	14.45	27.86	0.2	768
5.3G Wi-Fi	5260-5320	13.0	5.73	3.58	16.58	45.50	0.2	768
5.6G Wi-Fi	5500-5720	12.5	4.84	2.69	15.19	33.04	0.2	768
5.8G Wi-Fi	5745-5825	11.0	1.53	-0.62	10.38	10.91	0.2	768
LTE B2	1850-1910	25.0	2.33	0.18	25.18	329.61	0.2	768
LTE B4	1710-1755	25.0	2.68	0.53	25.53	357.27	0.2	768
LTE B12	699-716	25.0	0.39	-1.76	23.24	210.86	0.2	358
LTE B13	777-787	25.0	1.23	-0.92	24.08	255.86	0.2	398

- Note: 1. The tune up conducted power and antenna gain was declared by the applicant.
 2. 0dBd=2.15dBi
 3. The BT and 5G Wi-Fi can transmit at same time, the BT/5G and 2.4G Wi-Fi cannot transmit at same time.
 4. The device contains a certified WWAN model (model: LE910C4-NF, FCC ID: RI7LE910CXNF)

Simultaneous transmitting consideration (worst case):

The ratio= $ERP_{2.4G\ Wi-Fi}/limit + ERP_{LTE\ B13}/limit = 177.01/768 + 255.86/398 = 0.87 < 1.0$

So simultaneous exposure is compliant.

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliant

EUT PHOTOGRAPHS

Please refer to the attachment 2501S34461E-RF External photo and 2501S34461E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2501S34461E-RFB Test Setup photo.

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