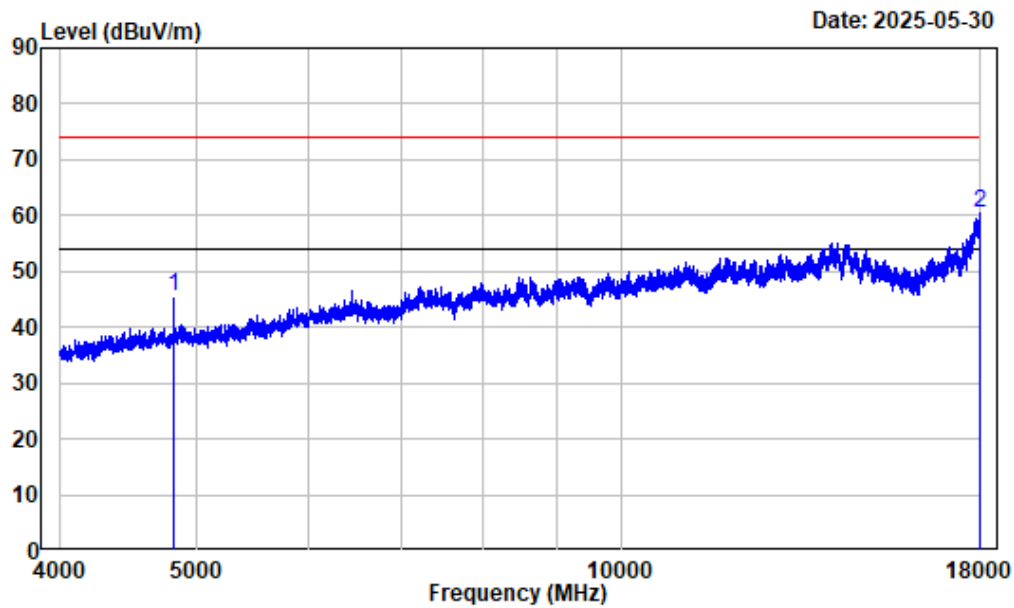


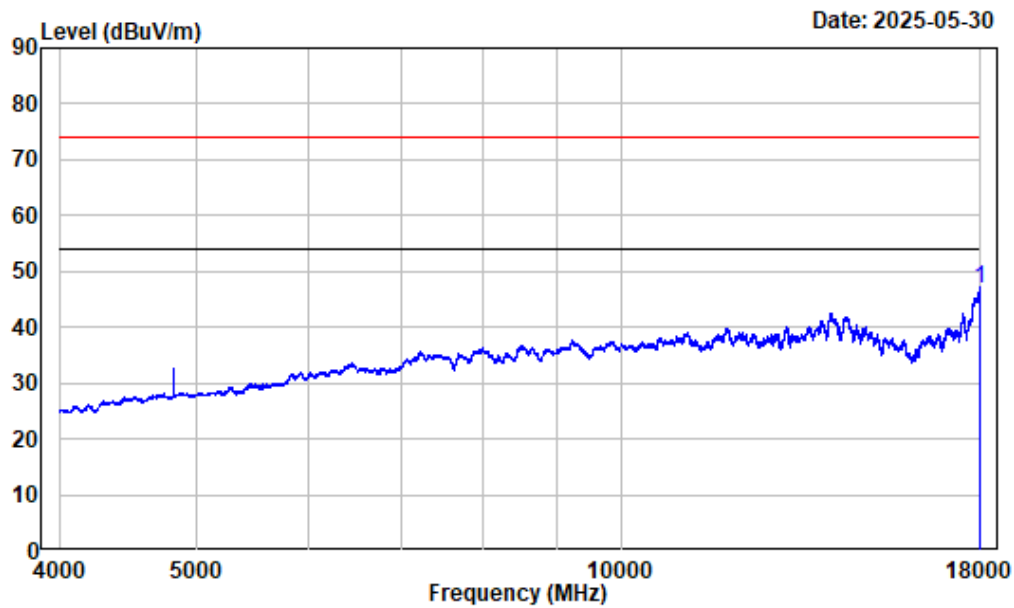
4-18GHz_Vertical_Peak_802.11n-HT20_ANT1_2412MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n20-2412

Freq Factor		Read		Limit	Over	Remark
		Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 4824.000	-7.75	53.43	45.68	74.00	-28.32	Peak
2 17987.750	13.13	47.24	60.37	74.00	-13.63	Peak

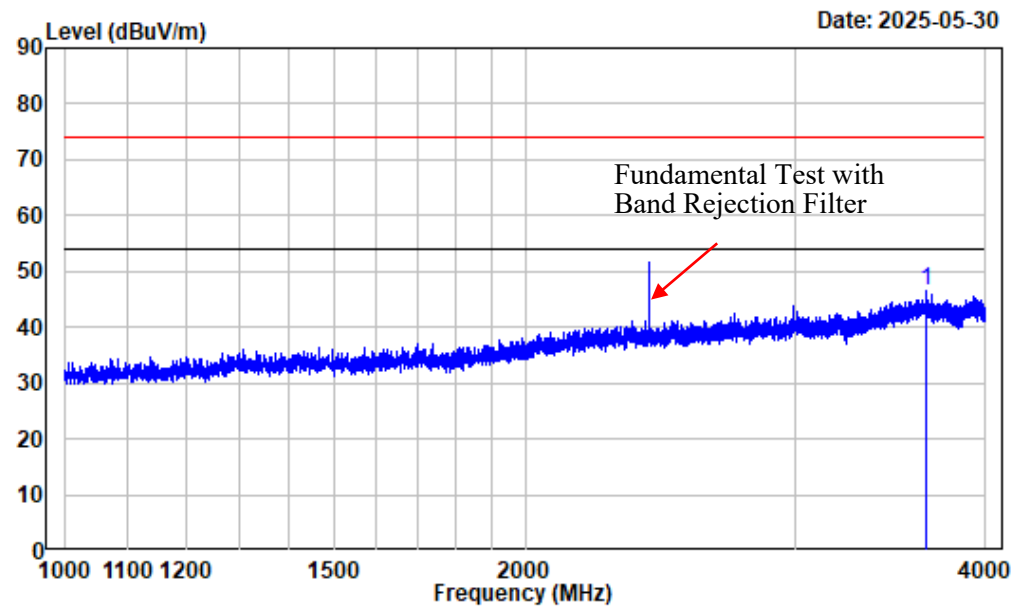
4-18GHz_Vertical_Average_802.11n-HT20_ANT1_2412MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-n20-2412

Freq Factor		Read Level		Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17998.250	13.19	33.82	47.01	54.00	-6.99	Average

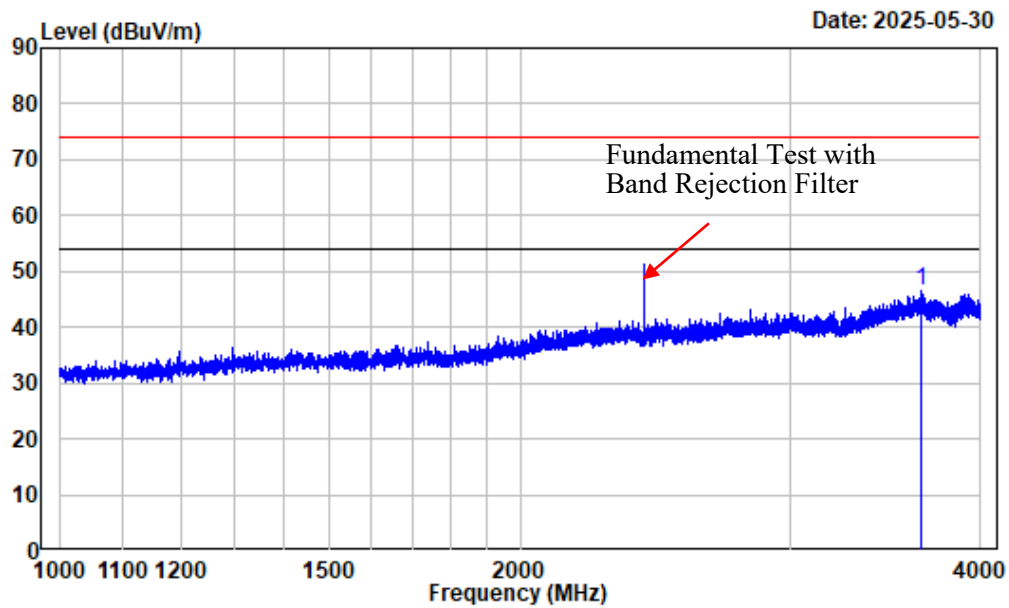
1-4GHz_Horizontal_802.11ax-HE20_ANT1_2412MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2412

Freq Factor		Read Level		Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3657.207	-9.74	56.42	46.68	74.00	-27.32 Peak

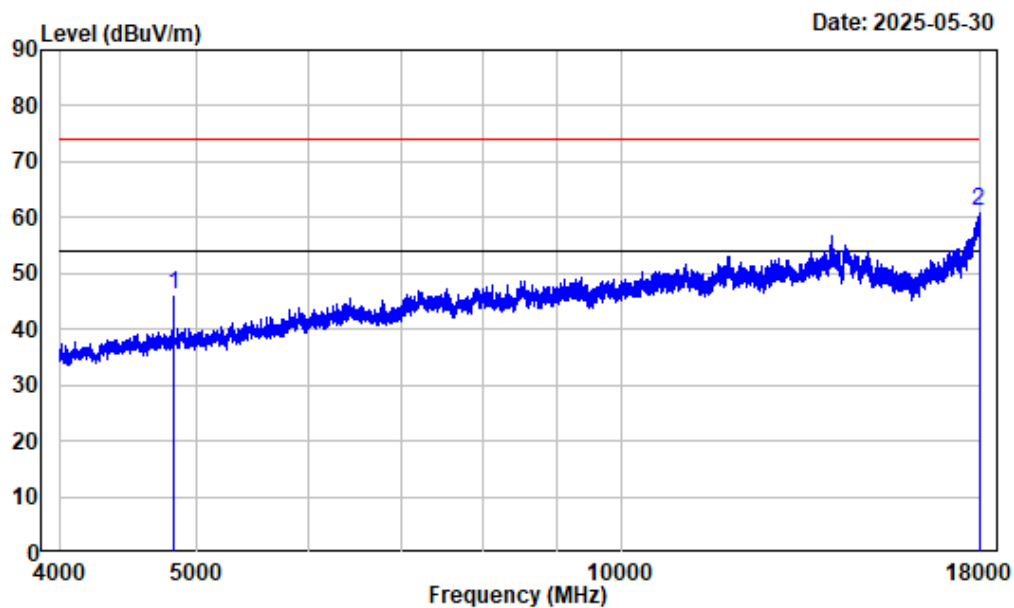
1-4GHz_Vertical_802.11ax-HE20_ANT1_2412MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2412

Freq Factor		Read Level		Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 3662.833	-9.70	56.30	46.60	74.00	-27.40	Peak

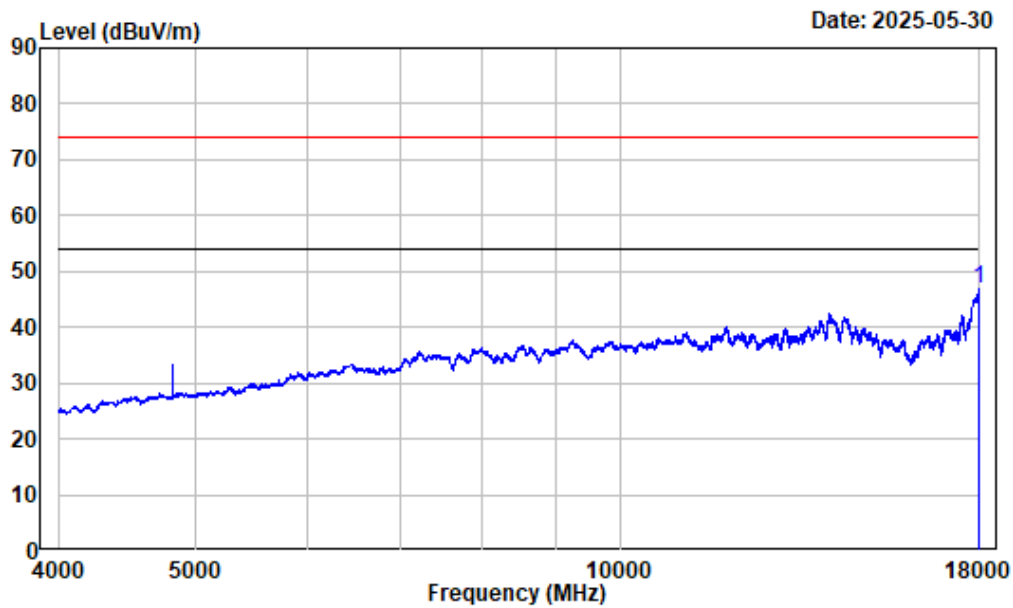
4-18GHz_Horizontal_Peak_802.11ax-HE20_ANT1_2412MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2412

Freq Factor		Read		Limit	Over	Remark
		Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 4824.000	-7.75	53.95	46.20	74.00	-27.80	Peak
2 17957.990	13.00	47.96	60.96	74.00	-13.04	Peak

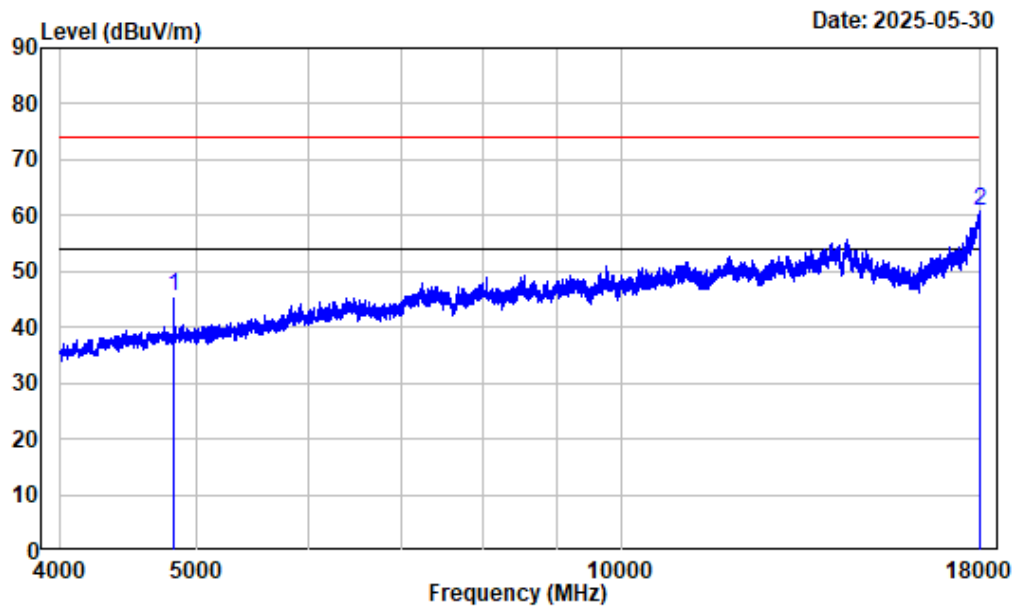
4-18GHz_Horizontal_Average_802.11ax-HE20_ANT1_2412MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-ax20-2412

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17998.250	13.19	33.84	47.03	54.00	-6.97	Average

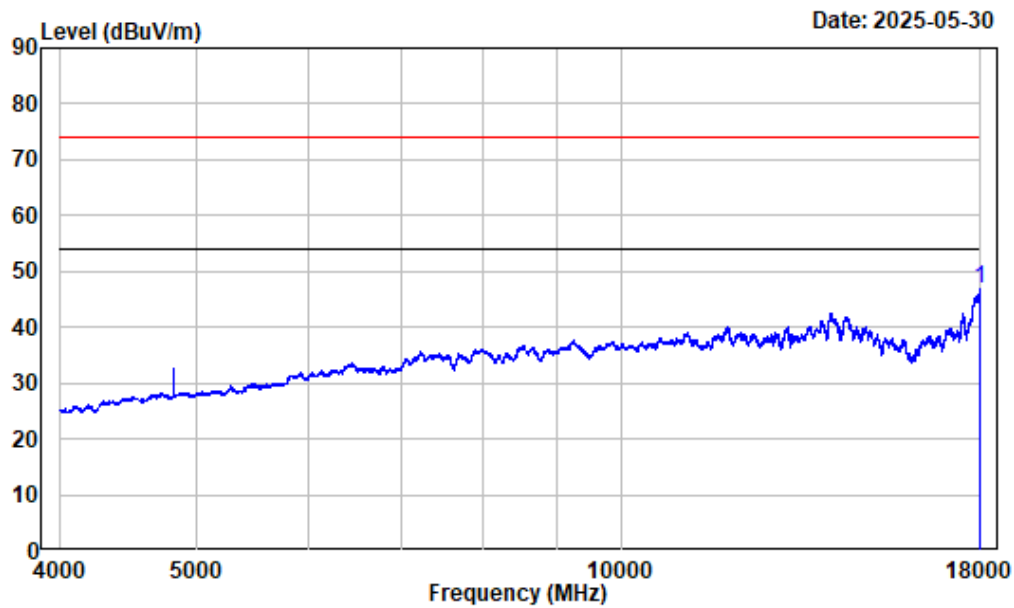
4-18GHz_Vertical_Peak_802.11ax-HE20_ANT1_2412MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2412

Freq Factor		Read		Limit	Over	Remark
MHz	dB/m	Level	Level	Line	Limit	
		dBuV	dBuV/m	dBuV/m	dB	
1 4824.000	-7.75	53.32	45.57	74.00	-28.43	Peak
2 17966.750	13.03	47.81	60.84	74.00	-13.16	Peak

4-18GHz_Vertical_Average_802.11ax-HE20_ANT1_2412MHz

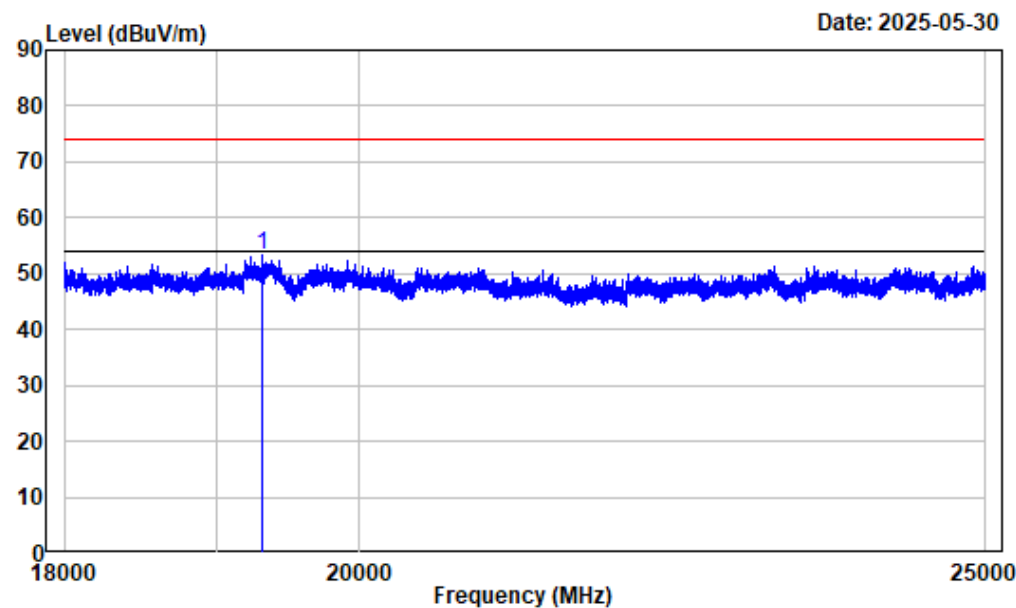


Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-ax20-2412

Freq Factor		Read Level		Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17996.500	13.19	33.75	46.94	54.00	-7.06	Average

18-25GHz (Only Listed with the worst harmonic margin test plot):

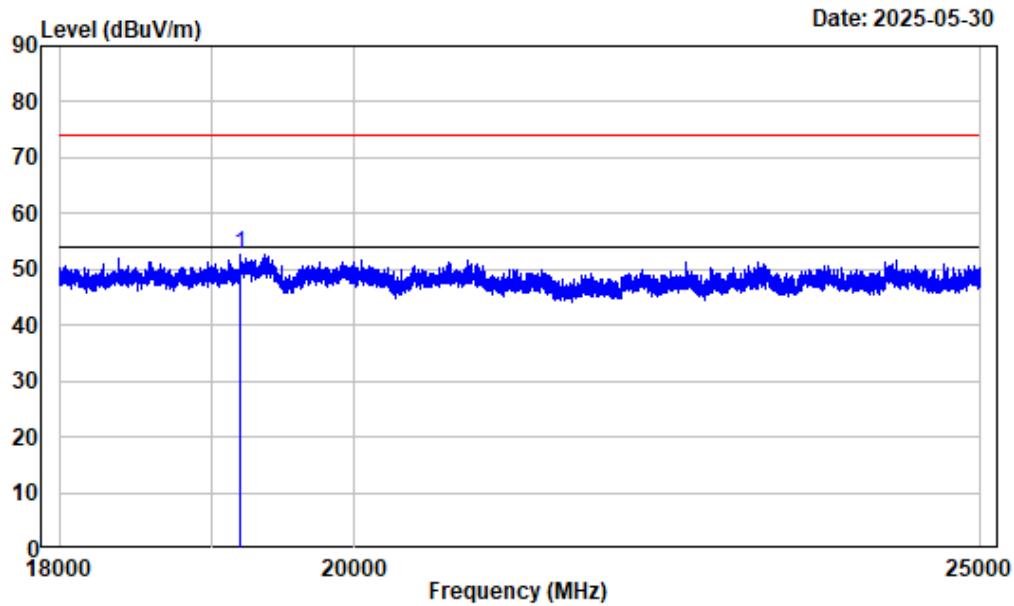
18-25GHz_Horizontal_802.11b_ANT1_2412MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2412

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 19320.540	15.43	37.83	53.26	74.00	-20.74	peak

18-25GHz_Vertical_802.11b_ANT1_2412MHz



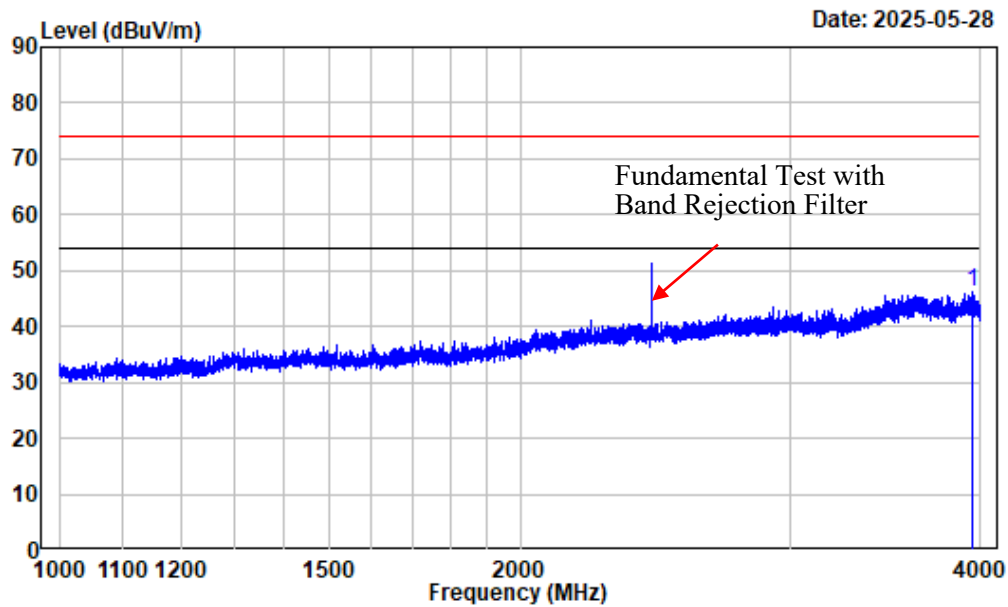
Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2412

Freq Factor		Read	Limit	Over	Remark
		Level	Level	Line	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1 19202.400	15.40	37.29	52.69	74.00	-21.31 peak

ANT2

1-18GHz (Listed with the worst harmonic margin test plot)

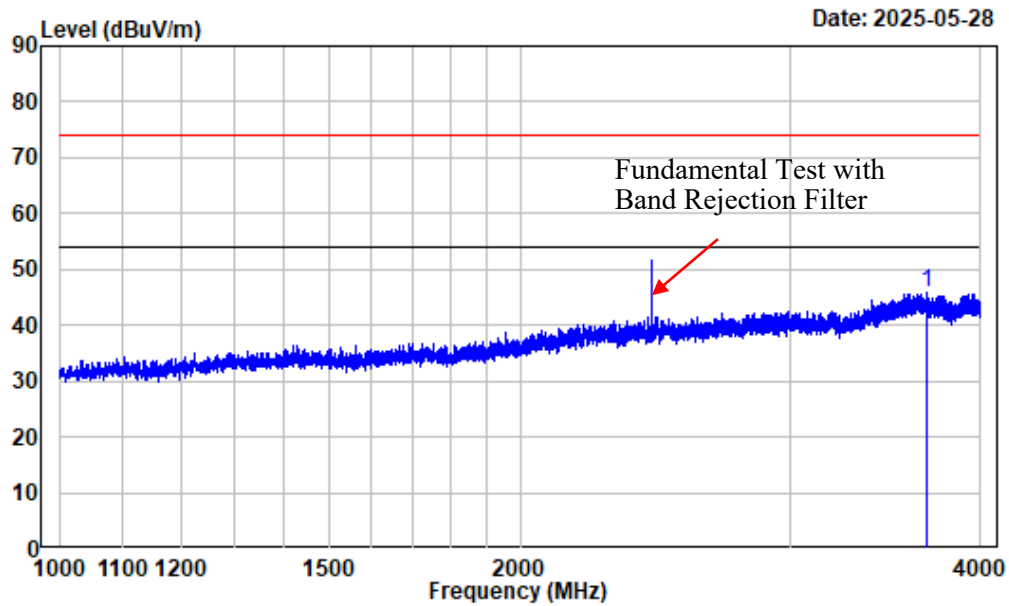
1-4GHz Horizontal 802.11b ANT2 2437MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2437

	Freq Factor		Read Level		Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3950.869	-9.32	55.45	46.13	74.00	-27.87	Peak

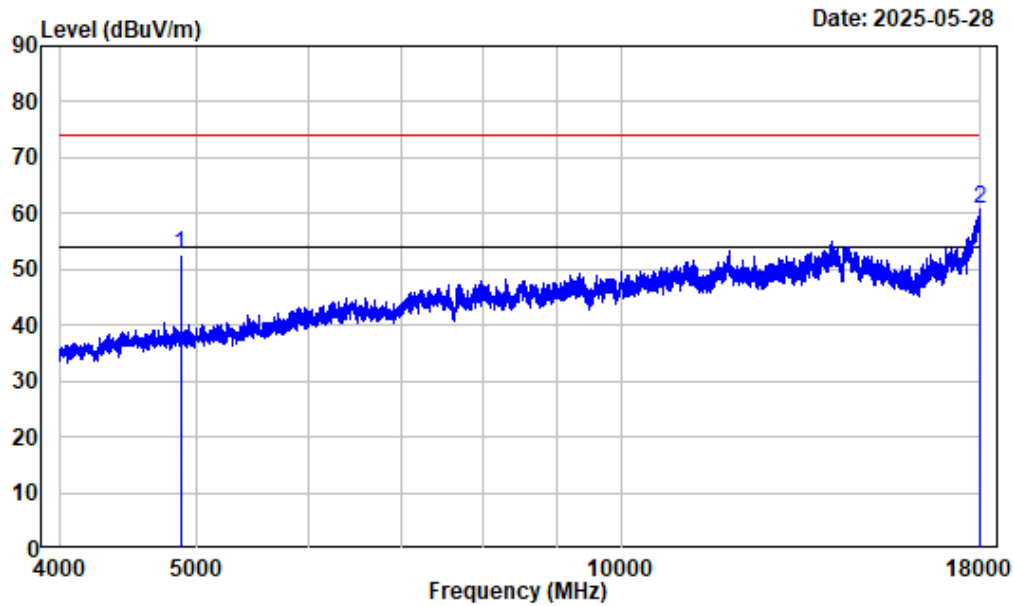
1-4GHz_Vertical_802.11b_ANT2_2437MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2437

Freq Factor		Read Level		Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3687.961	-9.55	55.48	45.93	74.00	-28.07 Peak

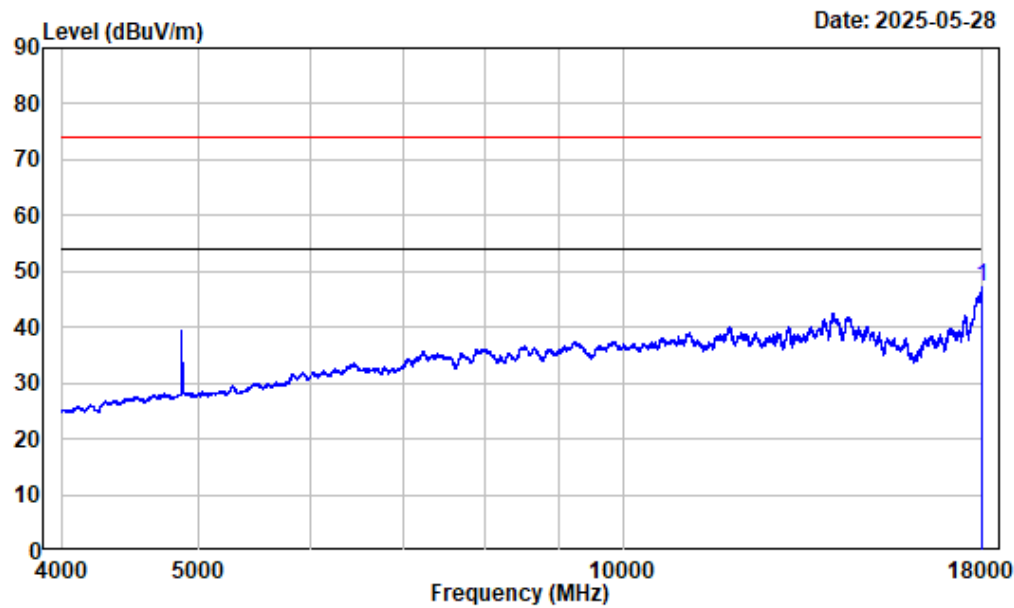
4-18GHz_Horizontal_Peak_802.11b_ANT2_2437MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	60.18	52.57	74.00	-21.43	Peak
2	17998.250	13.19	47.57	60.76	74.00	-13.24	Peak

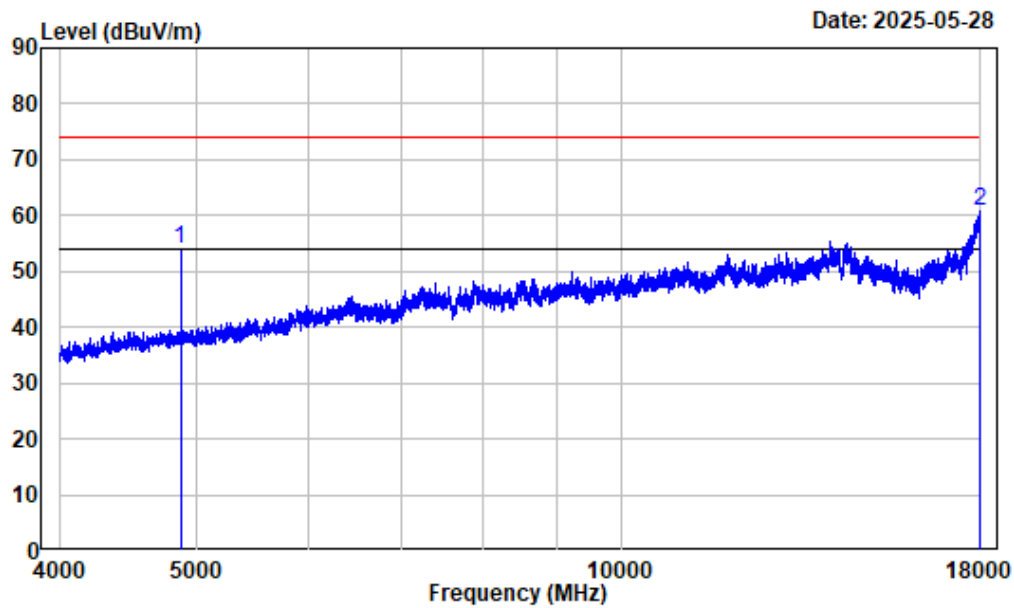
4-18GHz_Horizontal_Average_802.11b_ANT2_2437MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-b-2437

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17998.250	13.19	34.00	47.19	54.00	-6.81	Average

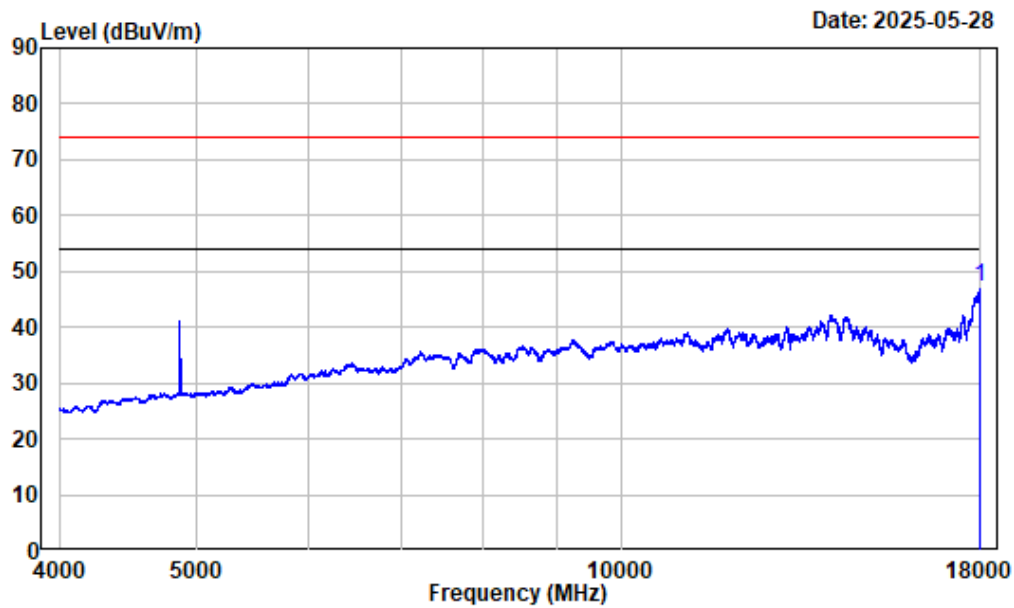
4-18GHz_Vertical_Peak_802.11b_ANT2_2437MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2437

Freq Factor		Read		Limit	Over	Remark
		Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 4874.000	-7.61	61.57	53.96	74.00	-20.04	Peak
2 17993.000	13.17	47.50	60.67	74.00	-13.33	Peak

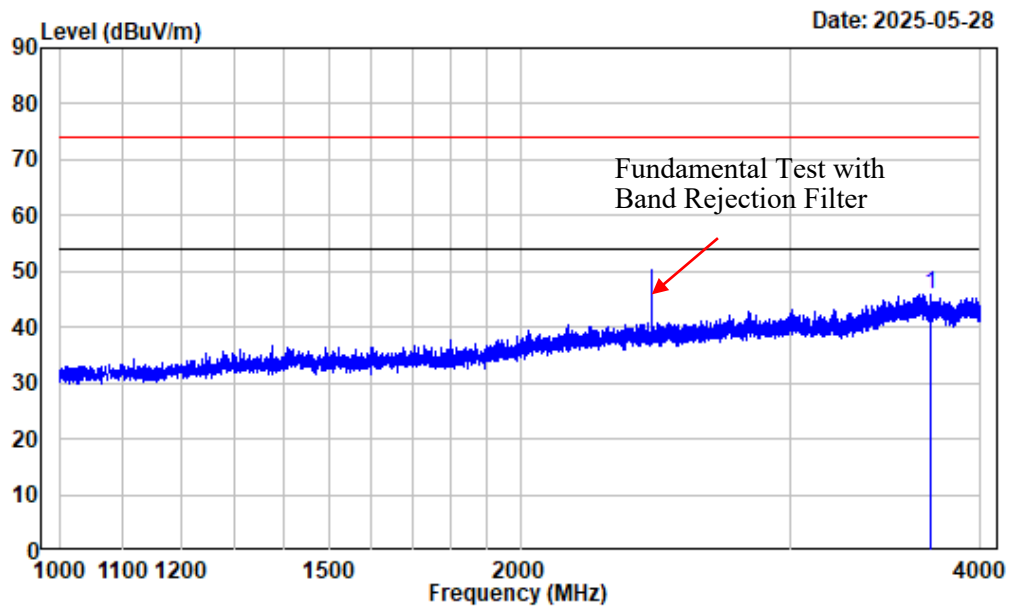
4-18GHz_Vertical_Average_802.11b_ANT2_2437MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-b-2437

Freq Factor		Read	Limit	Over	Remark
MHz	dB/m	Level	Level	Line	
		dBuV	dBuV/m	dBuV/m	dB
1 17996.500	13.19	33.97	47.16	54.00	-6.84 Average

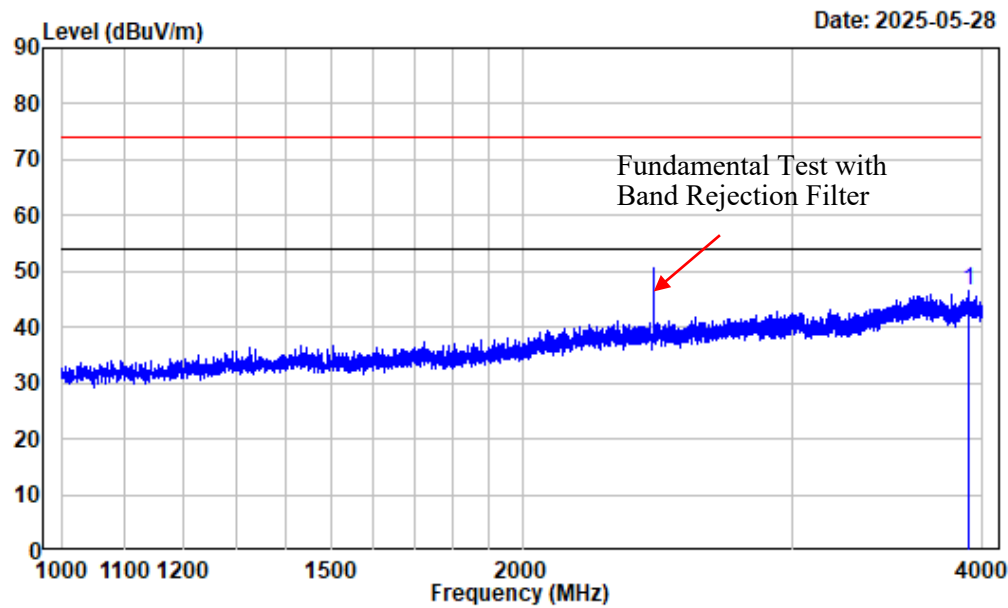
1-4GHz_Horizontal_802.11g_ANT2_2437MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-g-2437

Freq Factor		Read Level		Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3713.089	-9.52	55.50	45.98	74.00	-28.02 Peak

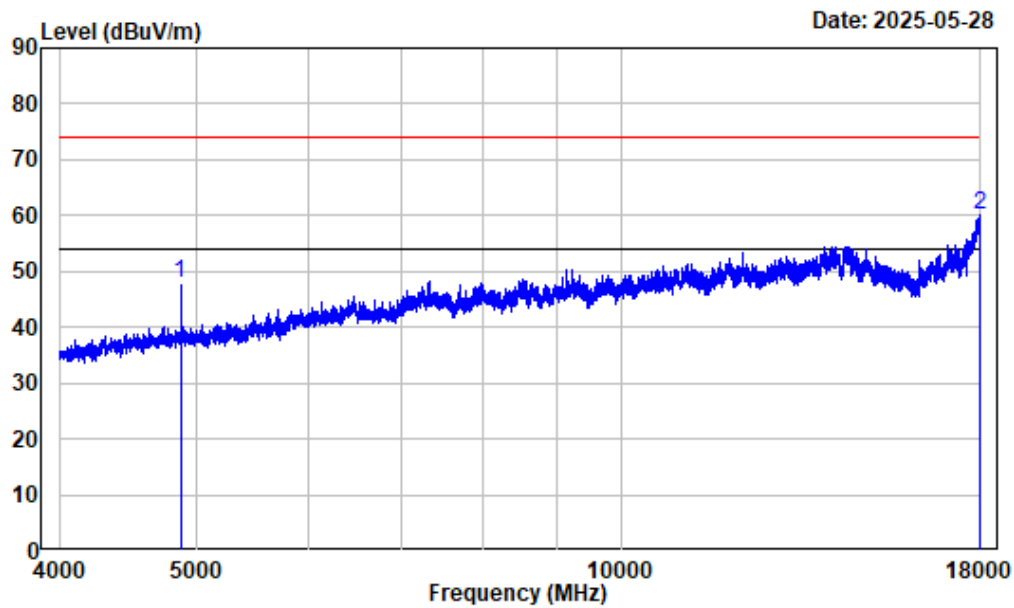
1-4GHz_Vertical_802.11g_ANT2_2437MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-g-2437

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3915.615	-9.68	56.16	46.48	74.00	-27.52 Peak

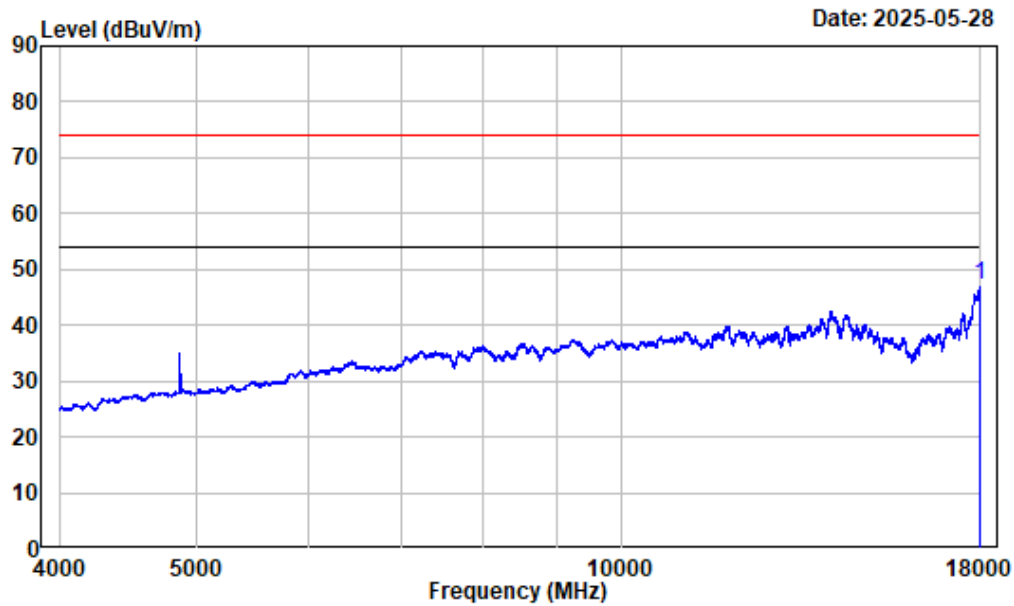
4-18GHz_Horizontal_Peak_802.11g_ANT2_2437MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-g-2437

Freq Factor		Read	Limit	Over	Remark
		Level	Level	Line	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1 4874.000	-7.61	55.61	48.00	74.00	-26.00 Peak
2 17987.750	13.13	46.90	60.03	74.00	-13.97 Peak

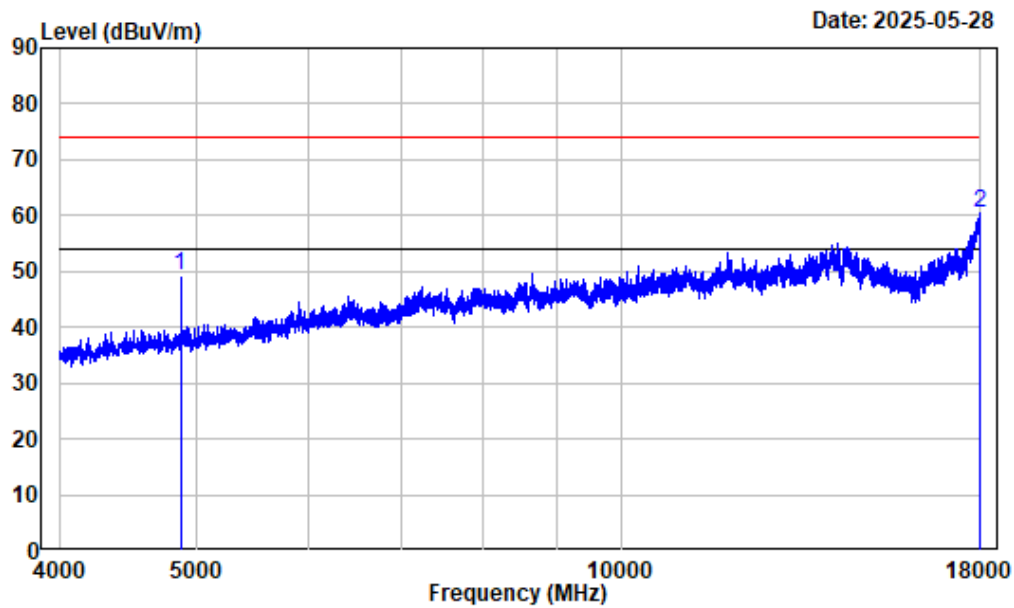
4-18GHz_Horizontal_Average_802.11g_ANT2_2437MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-g-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17998.630	13.20	33.90	47.10	54.00	-6.90	Average

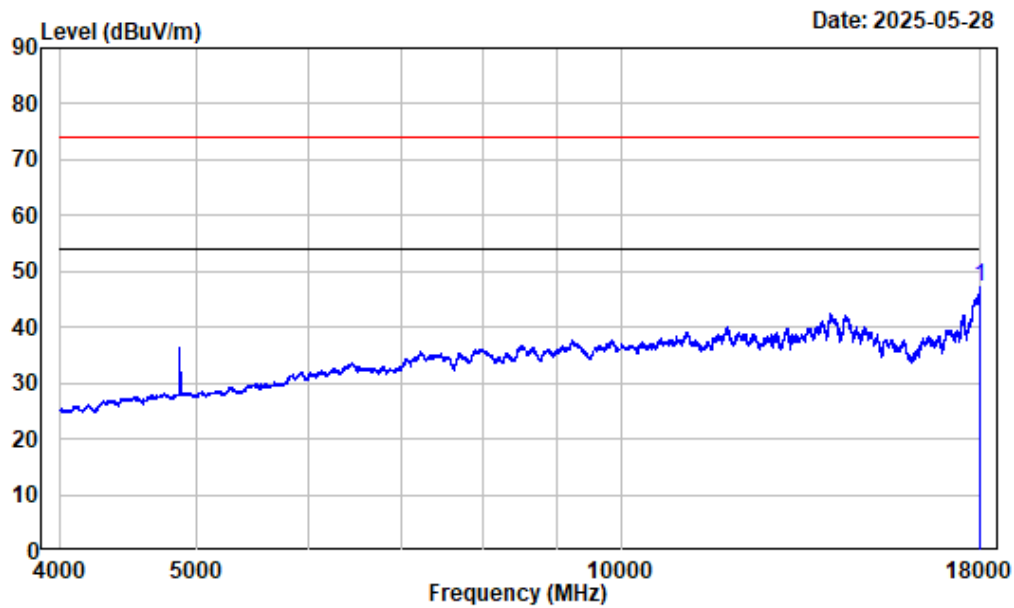
4-18GHz_Vertical_Peak_802.11g_ANT2_2437MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-g-2437

Freq Factor		Read		Limit	Over	Remark
		Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 4874.000	-7.61	56.84	49.23	74.00	-24.77	Peak
2 17975.500	13.08	47.39	60.47	74.00	-13.53	Peak

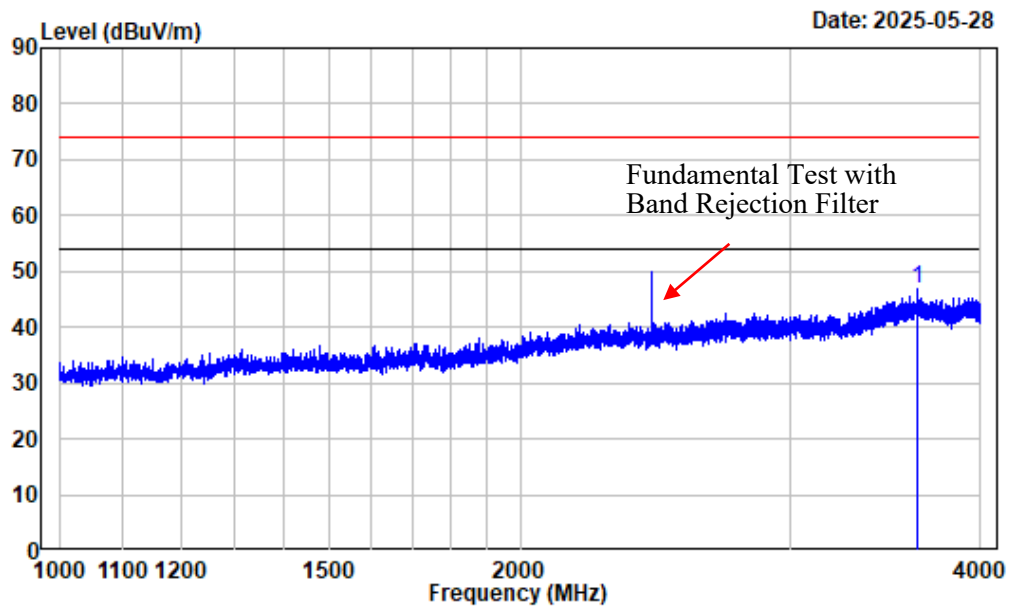
4-18GHz_Vertical_Average_802.11g_ANT2_2437MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-g-2437

Freq Factor		Read	Limit	Over	Remark
		Level	Level	Line	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1 17996.500	13.19	34.01	47.20	54.00	-6.80 Average

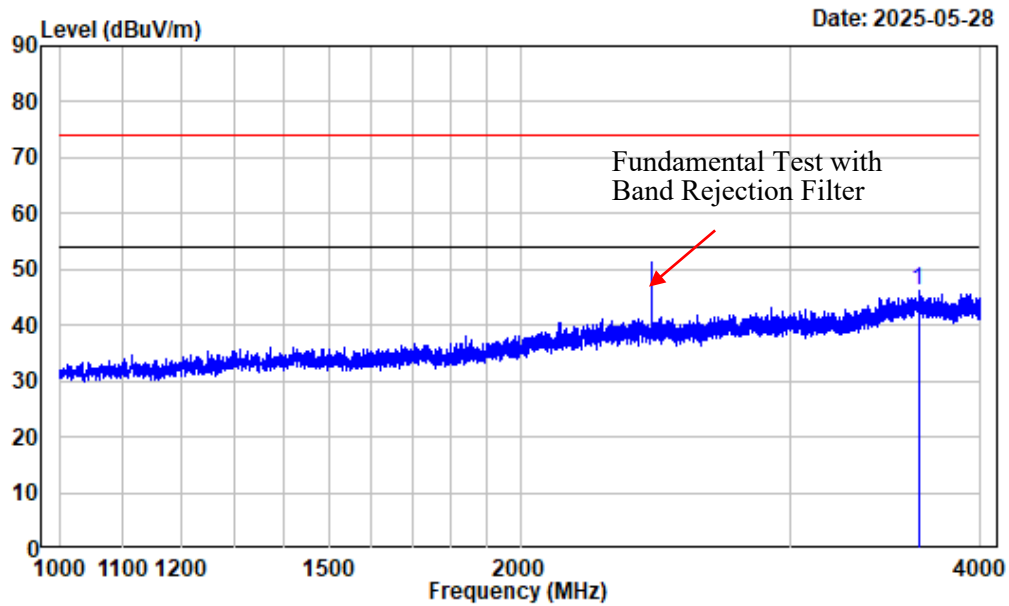
1-4GHz_Horizontal_802.11n-HT20_ANT2_2437MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n20-2437

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3635.454	-9.89	56.61	46.72	74.00	-27.28 Peak

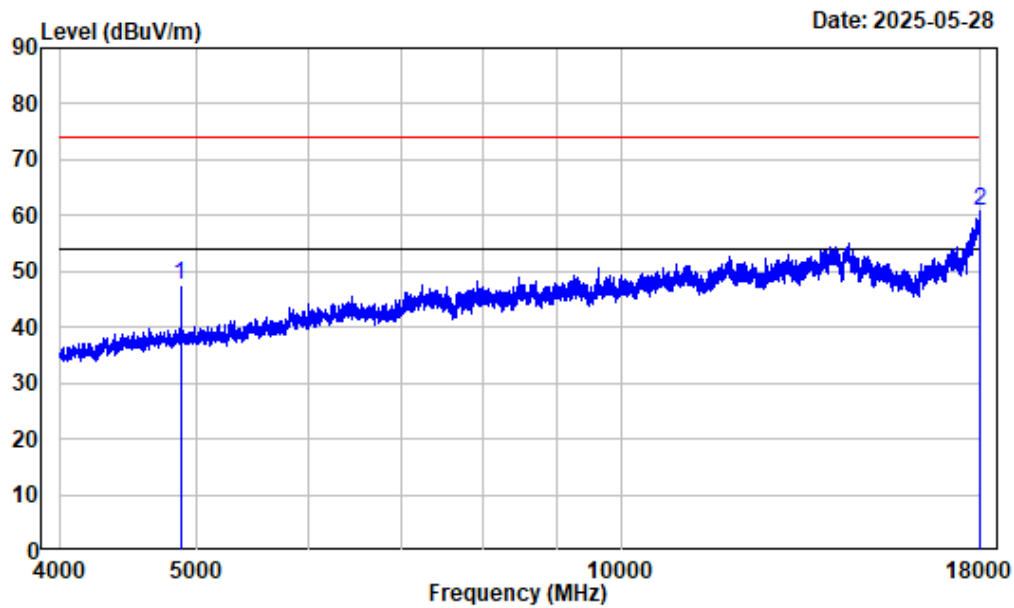
1-4GHz_Vertical_802.11n-HT20_ANT2_2437MHz



Condition : Vertical
 Project No. : 2501T23285E-RF
 Tester : Zenos Qiao
 Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
 Note : 2.4GWiFi-n20-2437

Freq Factor		Read Level		Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 3642.955	-9.83	56.15	46.32	74.00	-27.68	Peak

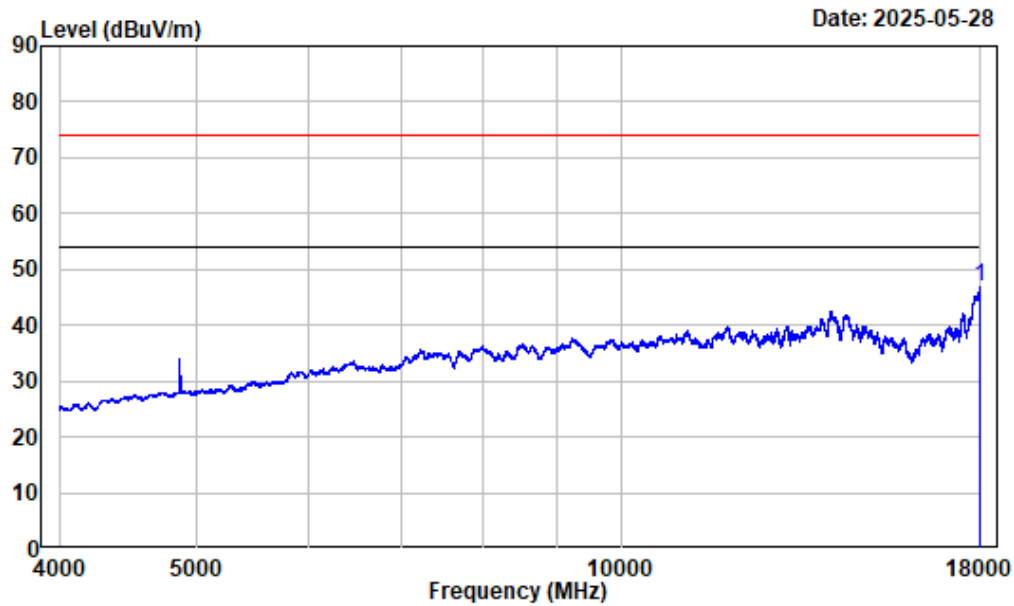
4-18GHz_Horizontal_Peak_802.11n-HT20_ANT2_2437MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n20-2437

Freq Factor		Read	Limit	Over	Remark
		Level	Level	Line	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1 4874.000	-7.61	55.18	47.57	74.00	-26.43 Peak
2 17979.000	13.09	47.66	60.75	74.00	-13.25 Peak

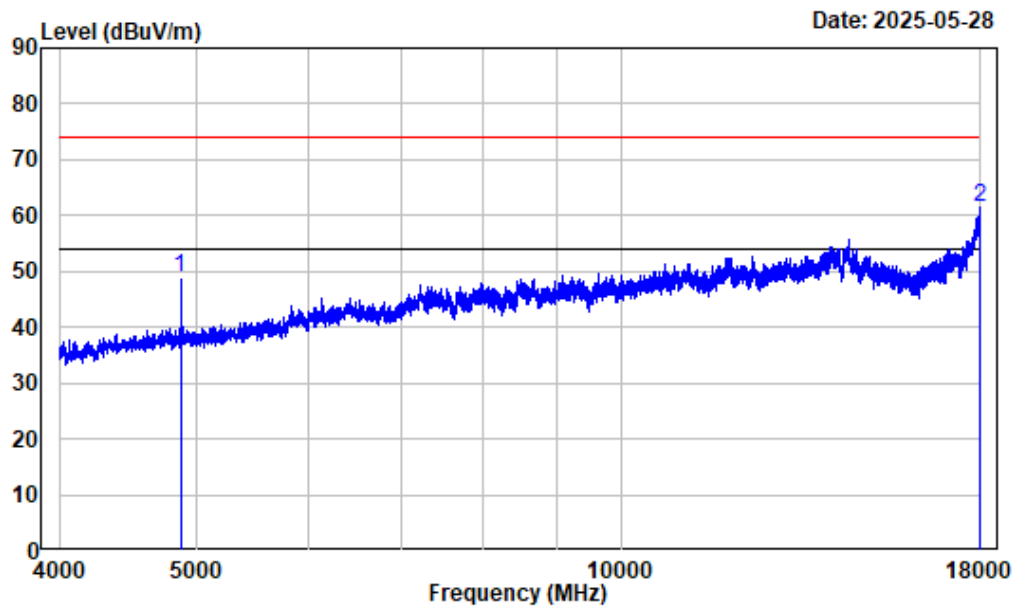
4-18GHz_Horizontal_Average_802.11n-HT20_ANT2_2437MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-n20-2437

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17998.250	13.19	33.84	47.03	54.00	-6.97	Average

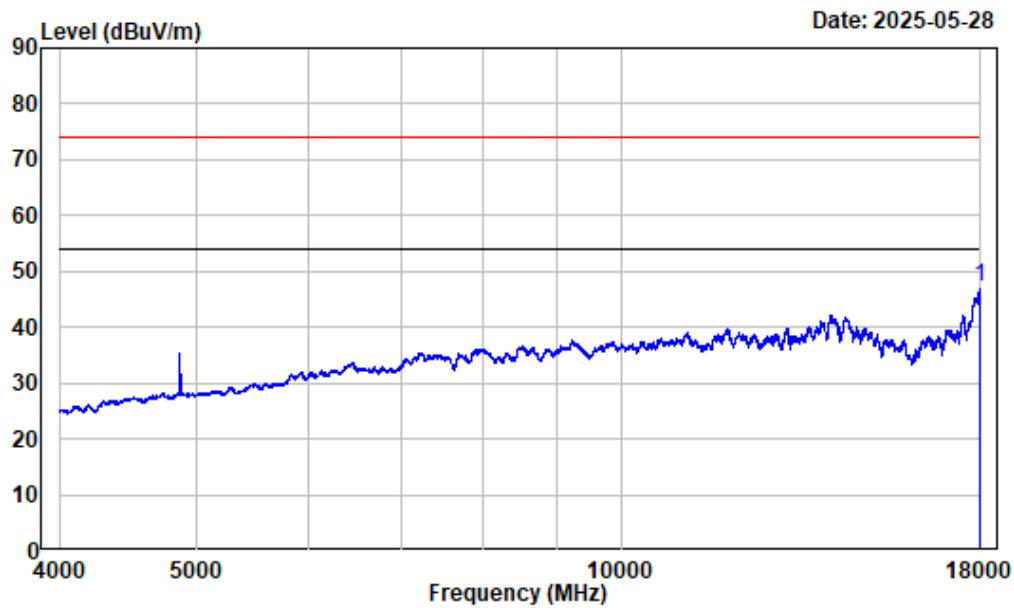
4-18GHz_Vertical_Peak_802.11n-HT20_ANT2_2437MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n20-2437

Freq Factor		Read		Limit	Over	Remark
		Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 4874.000	-7.61	56.37	48.76	74.00	-25.24	Peak
2 17973.750	13.08	48.36	61.44	74.00	-12.56	Peak

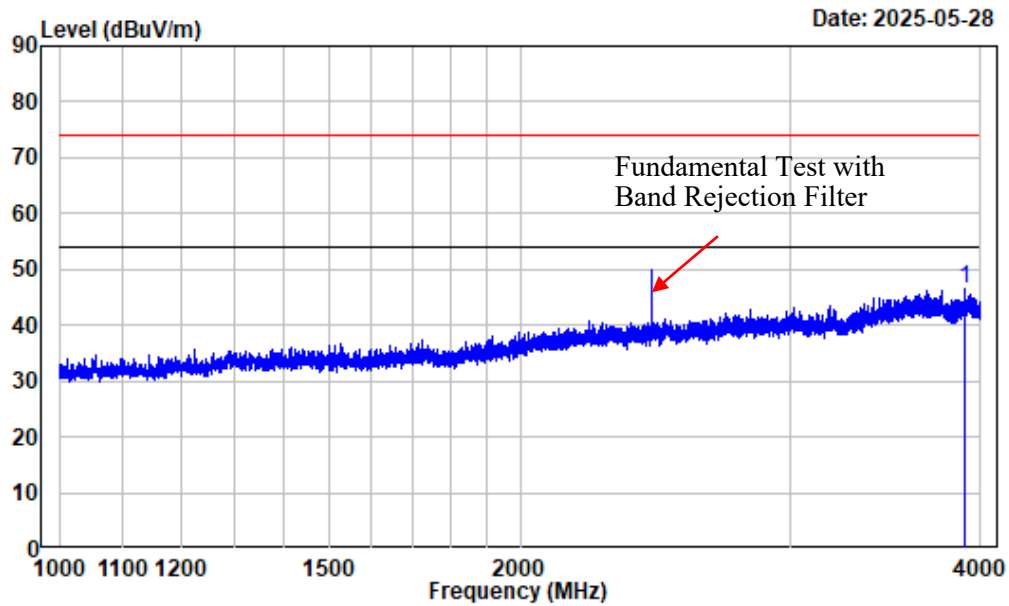
4-18GHz_Vertical_Average_802.11n-HT20_ANT2_2437MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-n20-2437

Freq Factor		Read	Limit	Over	Remark
		Level	Level	Line	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1 17998.250	13.19	33.91	47.10	54.00	-6.90 Average

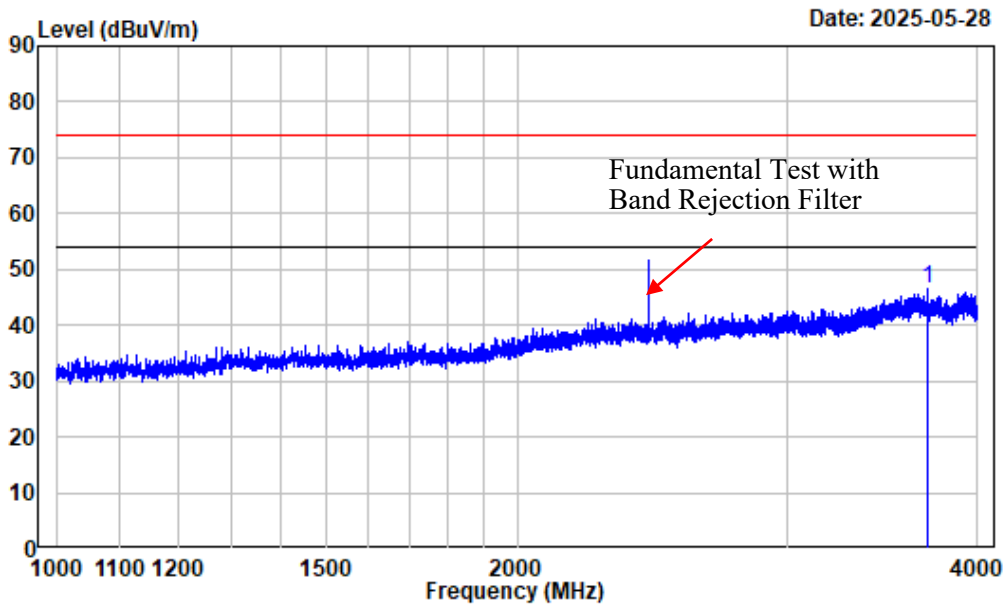
1-4GHz_Horizontal_802.11ax-HE20_ANT2_2437MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2437

Freq Factor		Read Level		Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3909.239	-9.74	56.10	46.36	74.00	-27.64 Peak

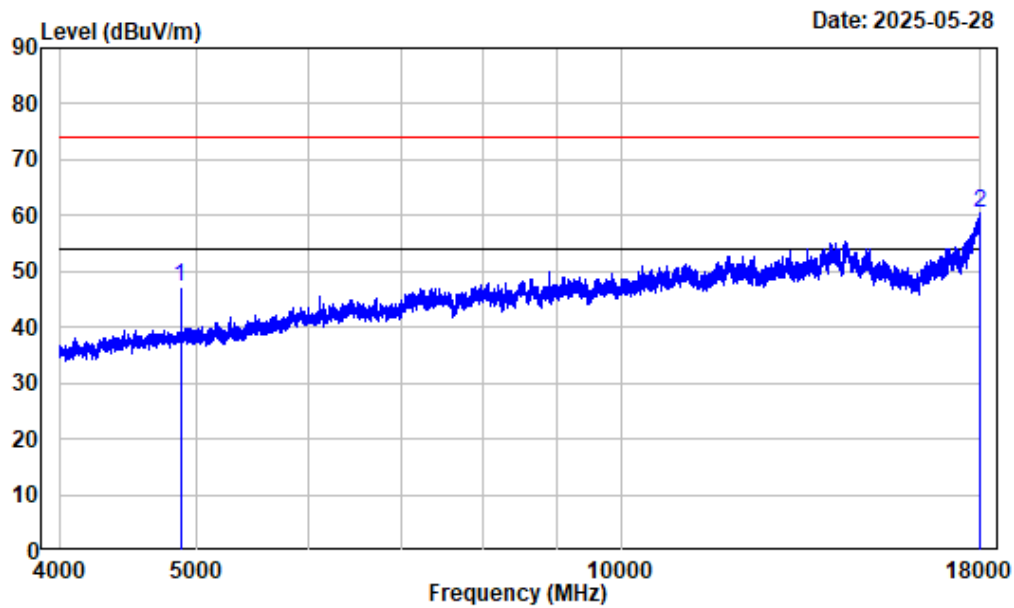
1-4GHz_Vertical_802.11ax-HE20_ANT2_2437MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2437

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3708.964	-9.50	56.06	46.56	74.00	-27.44 Peak

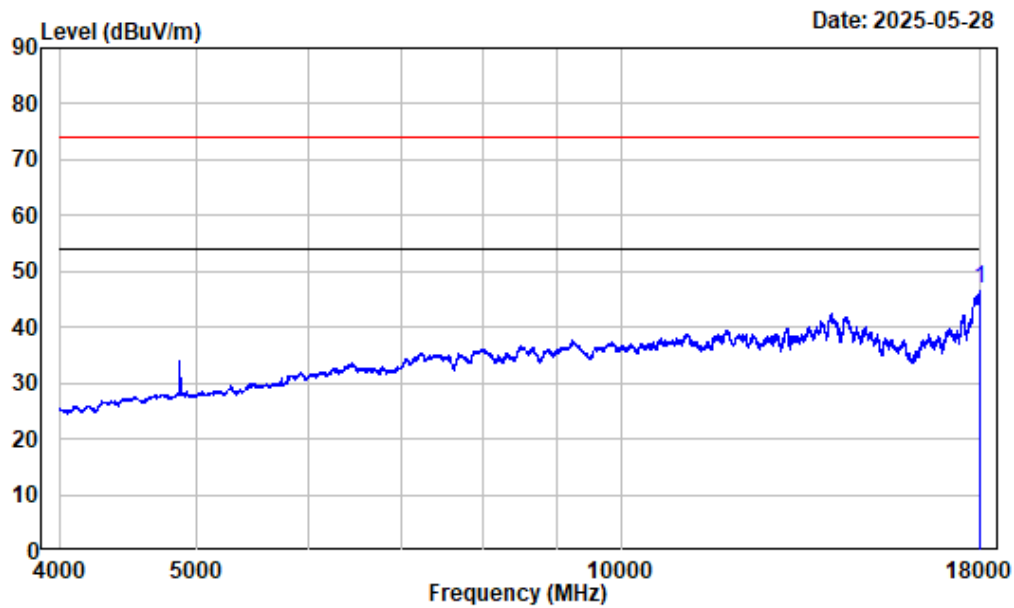
4-18GHz_Horizontal_Peak_802.11ax-HE20_ANT2_2437MHz



Condition : Horizontal
 Project No. : 2501T23285E-RF
 Tester : Zenos Qiao
 Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
 Note : 2.4GWiFi-ax20-2437

Freq Factor		Read	Limit	Over	Remark
		Level	Level	Line	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1 4874.000	-7.61	54.84	47.23	74.00	-26.77 Peak
2 17987.750	13.13	47.32	60.45	74.00	-13.55 Peak

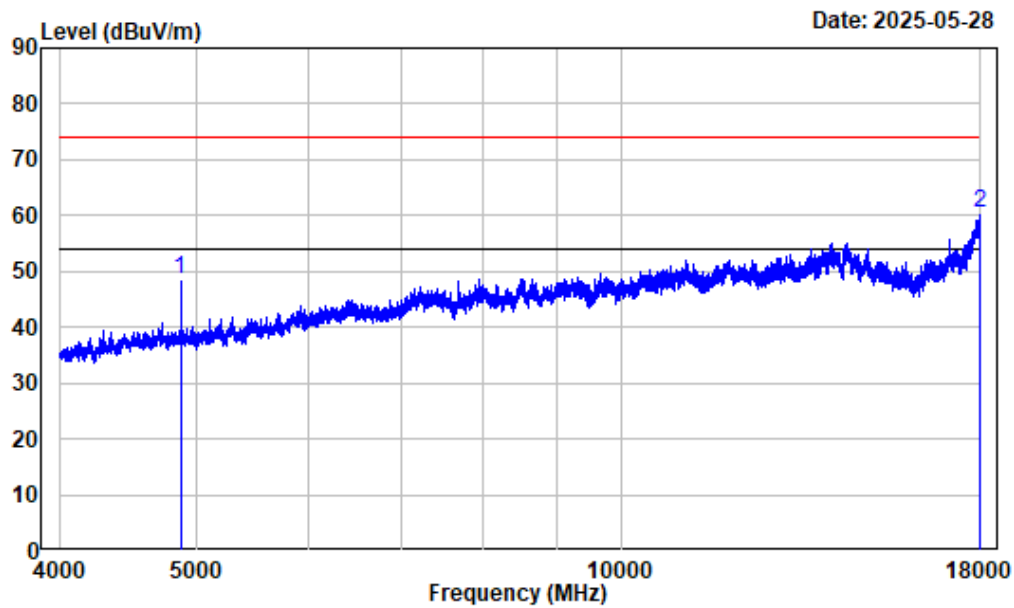
4-18GHz_Horizontal_Average_802.11ax-HE20_ANT2_2437MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-ax20-2437

Freq Factor		Read Level		Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17998.630	13.20	33.82	47.02	54.00	-6.98	Average

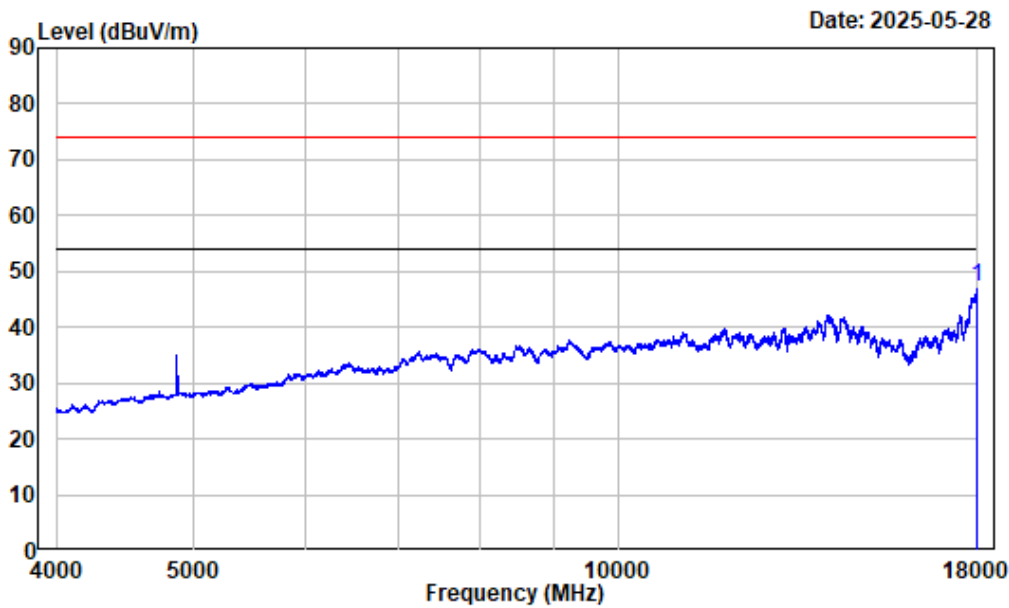
4-18GHz_Vertical_Peak_802.11ax-HE20_ANT2_2437MHz



Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2437

Freq Factor		Read		Limit	Over	Remark
		Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 4874.000	-7.61	56.03	48.42	74.00	-25.58	Peak
2 17989.500	13.16	47.35	60.51	74.00	-13.49	Peak

4-18GHz_Vertical_Average_802.11ax-HE20_ANT2_2437MHz

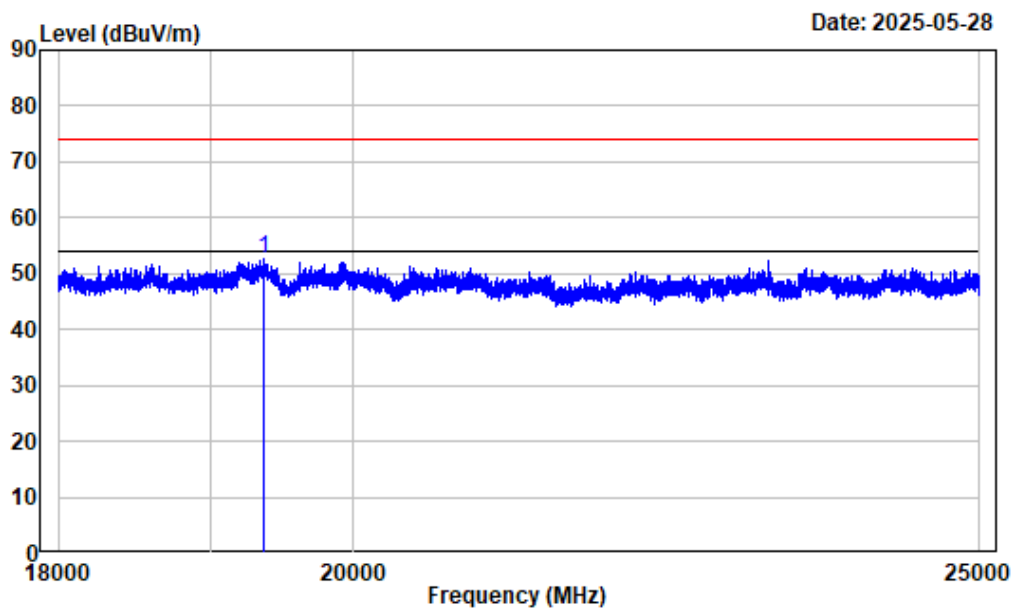


Condition : Vertical
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-ax20-2437

Freq Factor		Read Level		Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17989.500	13.16	33.96	47.12	54.00	-6.88	Average

18-25GHz (Only Listed with the worst harmonic margin test plot):

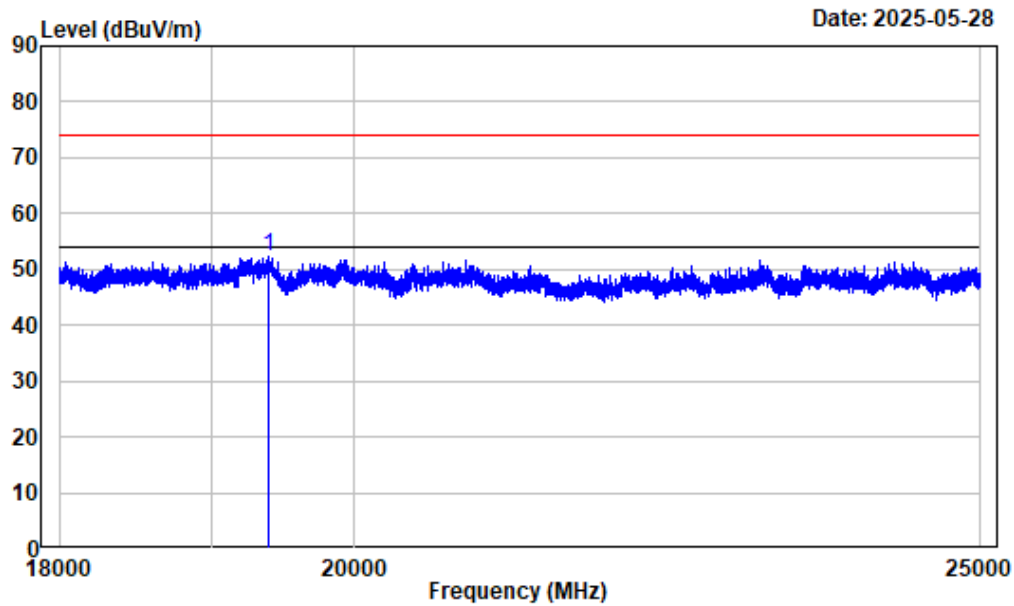
18-25GHz_Horizontal_802.11b_ANT2_2437MHz



Condition : Horizontal
Project No. : 2501T23285E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2437

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 19373.920	15.44	37.07	52.51	74.00	-21.49	peak

18-25GHz_Vertical_802.11b_ANT2_2437MHz



Condition : Vertical
 Project No. : 2501T23285E-RF
 Tester : Zenos Qiao
 Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
 Note : 2.4GWiFi-b-2437

Freq Factor		Read	Limit	Over	Remark
MHz	dB/m	Level	Line	Limit	
		dBuV	dBuV/m	dBuV/m	dB
1 19399.300	15.45	36.86	52.31	74.00	-21.69 peak

6dB Emission Bandwidth**Test Information:**

Sample No.:	337Q-1	Test Date:	2025/06/07~2025/06/30
Test Site:	RF	Test Mode:	Transmitting
Tester:	Brian Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	27	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101
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Test Data:**ANT1**

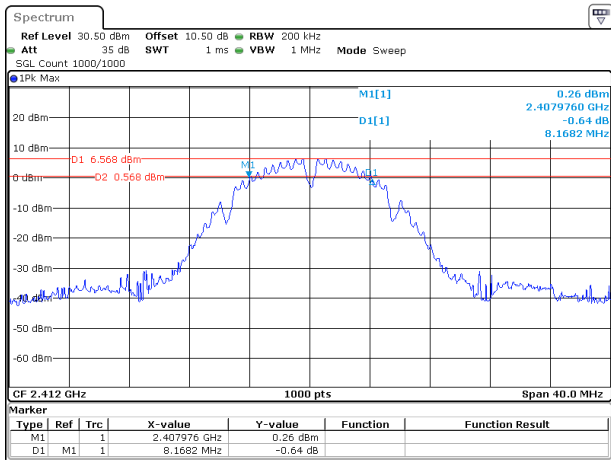
Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	2412	8.168	≥ 0.5	Pass
	2437	8.168	≥ 0.5	Pass
	2462	8.168	≥ 0.5	Pass
802.11g	2412	16.376	≥ 0.5	Pass
	2437	16.416	≥ 0.5	Pass
	2462	16.416	≥ 0.5	Pass
802.11n20	2412	17.538	≥ 0.5	Pass
	2437	17.538	≥ 0.5	Pass
	2462	17.658	≥ 0.5	Pass
802.11ax20_RU_Full	2412	18.750	≥ 0.5	Pass
	2437	18.200	≥ 0.5	Pass
	2462	18.700	≥ 0.5	Pass

ANT2

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	2412	8.128	≥ 0.5	Pass
	2437	8.168	≥ 0.5	Pass
	2462	8.128	≥ 0.5	Pass
802.11g	2412	16.376	≥ 0.5	Pass
	2437	16.416	≥ 0.5	Pass
	2462	16.376	≥ 0.5	Pass
802.11n20	2412	17.618	≥ 0.5	Pass
	2437	17.578	≥ 0.5	Pass
	2462	17.578	≥ 0.5	Pass
802.11ax20_RU_Full	2412	18.750	≥ 0.5	Pass
	2437	18.950	≥ 0.5	Pass
	2462	18.700	≥ 0.5	Pass

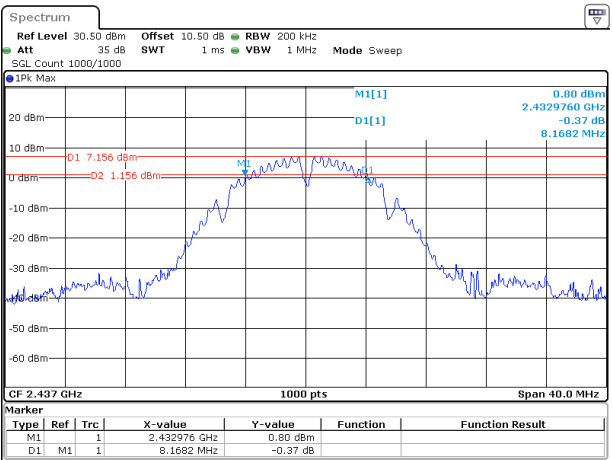
ANTI

802.11b_2412MHz



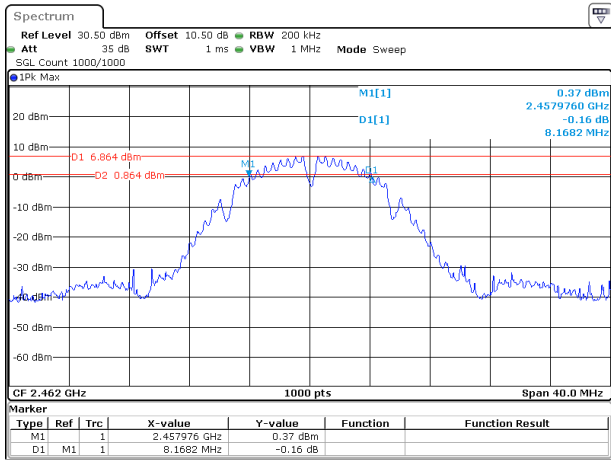
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:13:00

802.11b_2437MHz



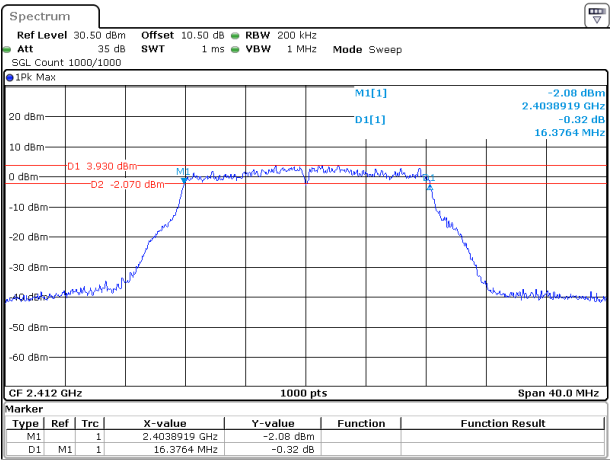
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:14:40

802.11b_2462MHz



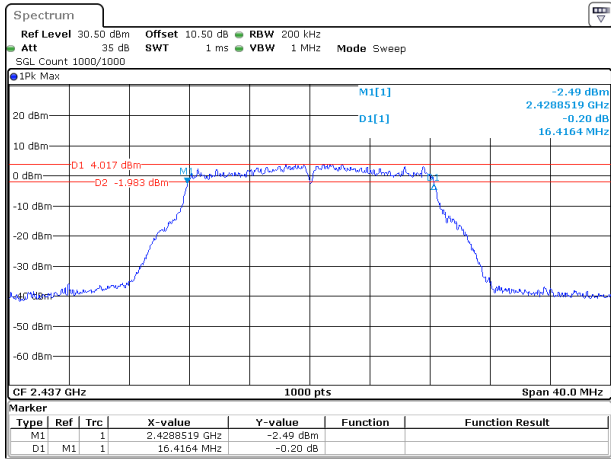
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:16:21

802.11g_2412MHz



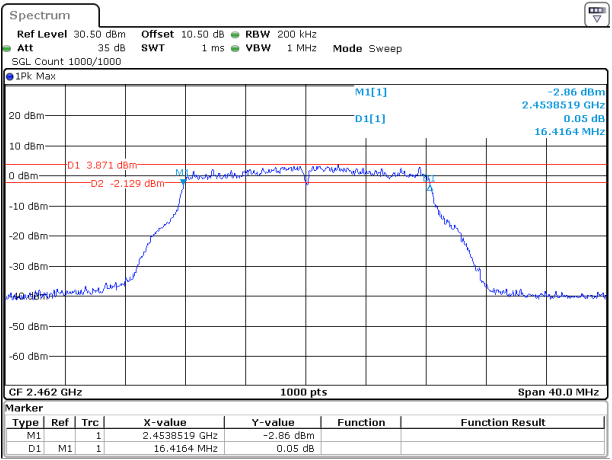
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:18:28

802.11g_2437MHz



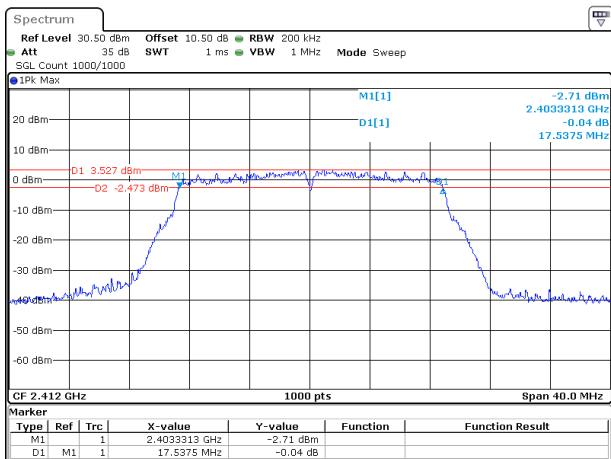
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:20:22

802.11g_2462MHz



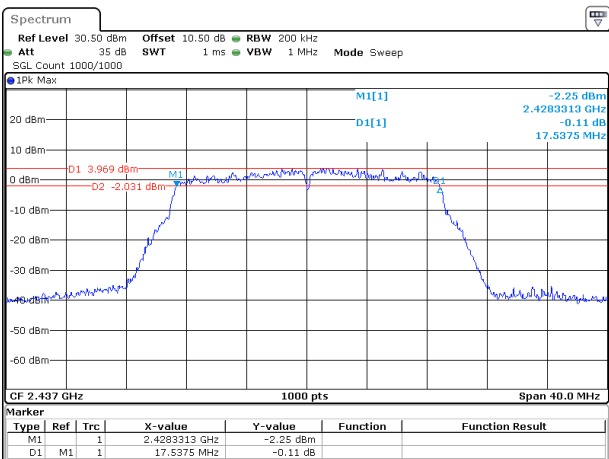
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:22:18

802.11n20_2412MHz



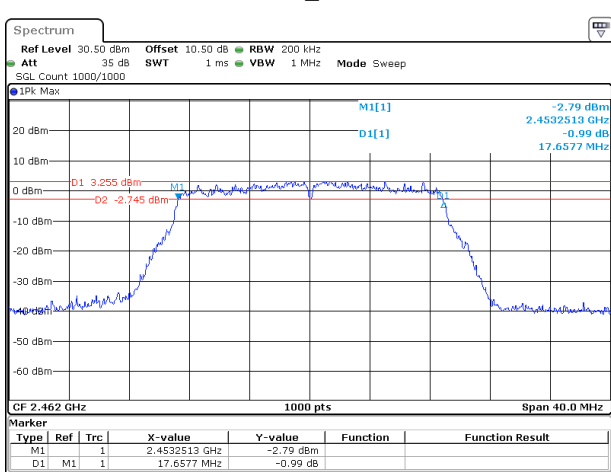
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:24:22

802.11n20_2437MHz



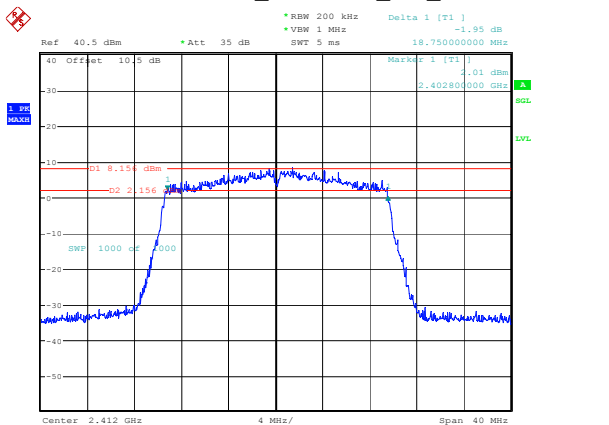
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:27:19

802.11n20_2462MHz



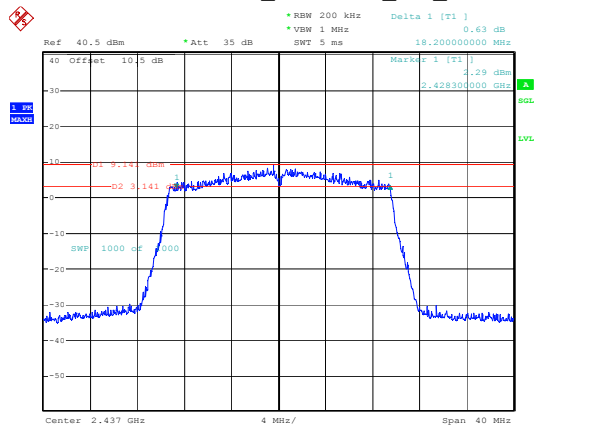
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:29:16

802.11ax20_2412MHz_RU_Full



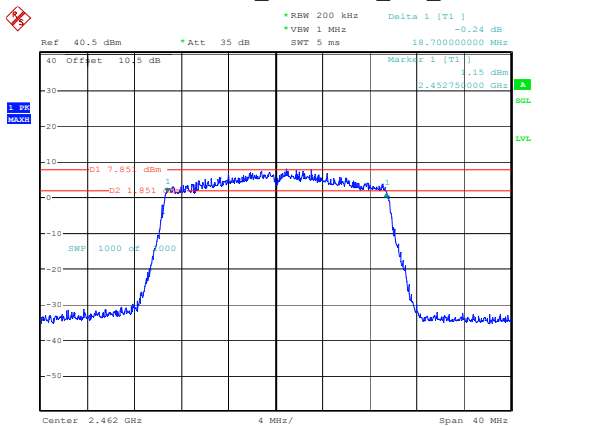
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 30.JUN.2025 20:33:03

802.11ax20_2437MHz_RU_Full



ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 30.JUN.2025 20:41:04

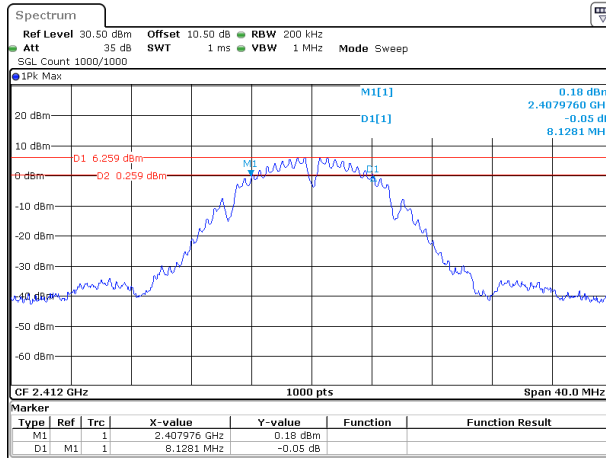
802.11ax20_2462MHz_RU_Full



ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 30.JUN.2025 20:41:34

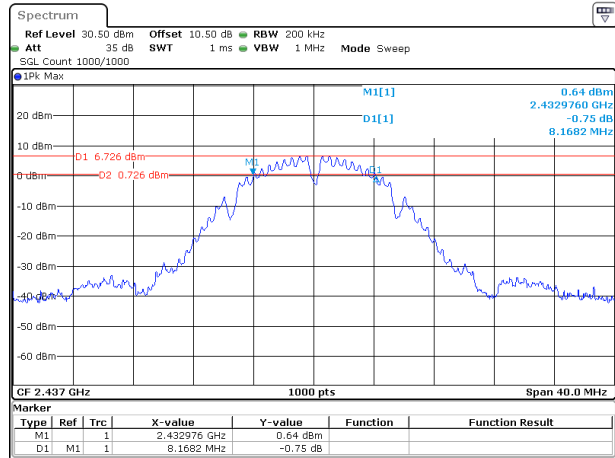
ANT2

802.11b_2412MHz



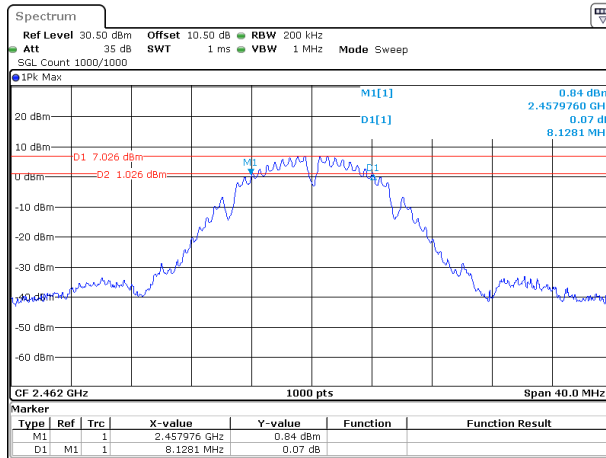
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Date: 7.JUN.2025 00:41:47

802.11b_2437MHz



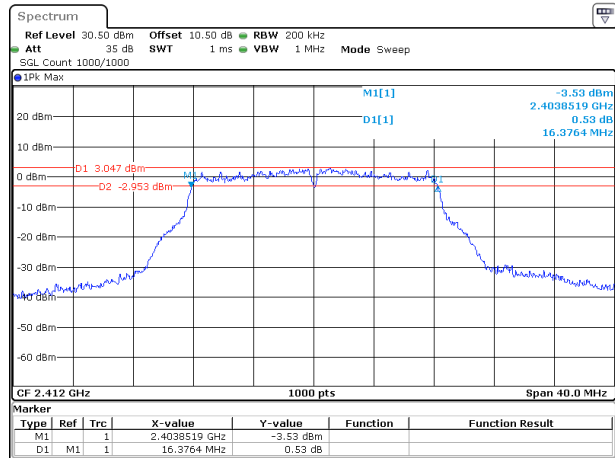
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:42:48

802.11b_2462MHz



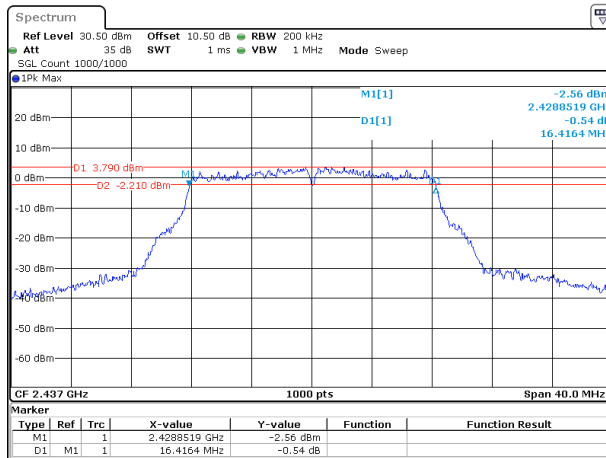
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Date: 7.JUN.2025 00:43:40

802.11g_2412MHz



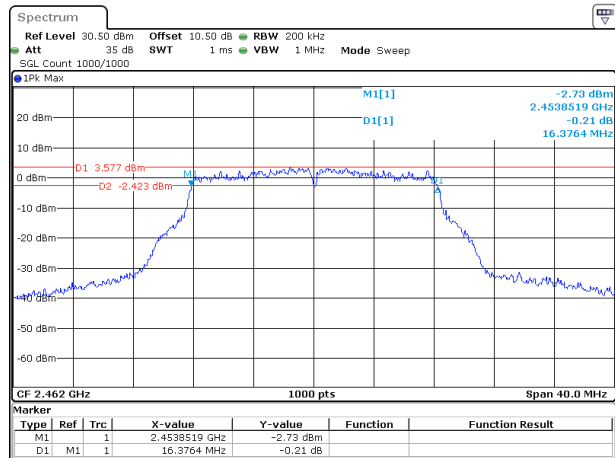
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Date: 7.JUN.2025 00:45:52

802.11g_2437MHz



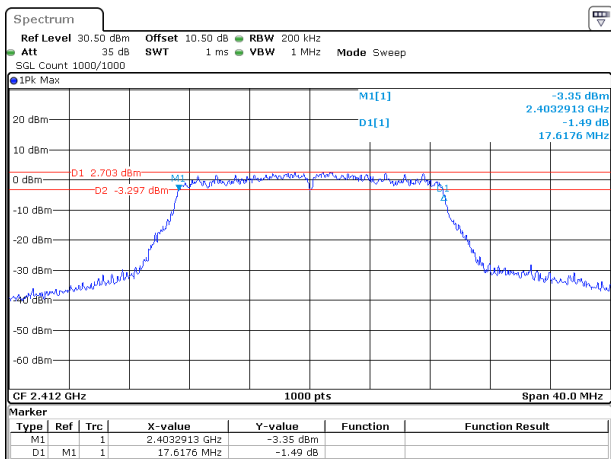
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:46:53

802.11g_2462MHz



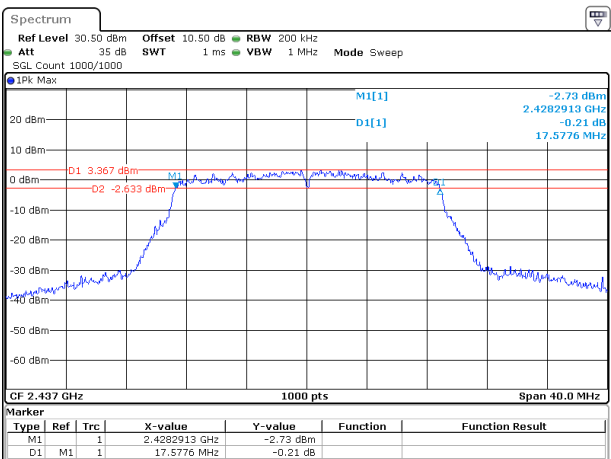
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Date: 7.JUN.2025 00:47:53

802.11n20_2412MHz



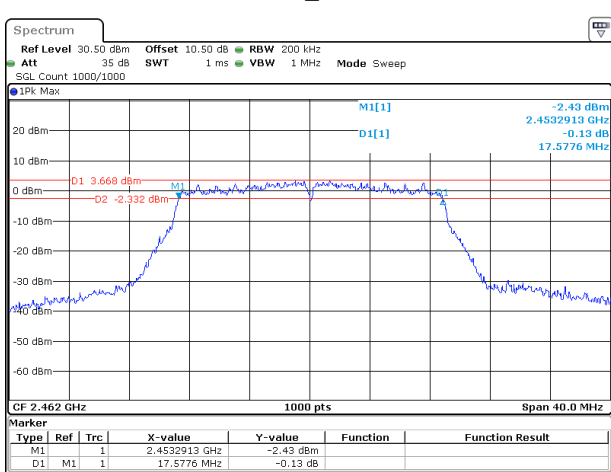
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:49:11

802.11n20_2437MHz



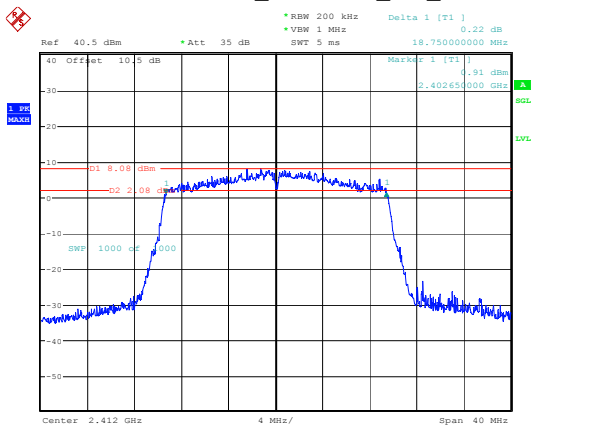
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:50:10

802.11n20_2462MHz



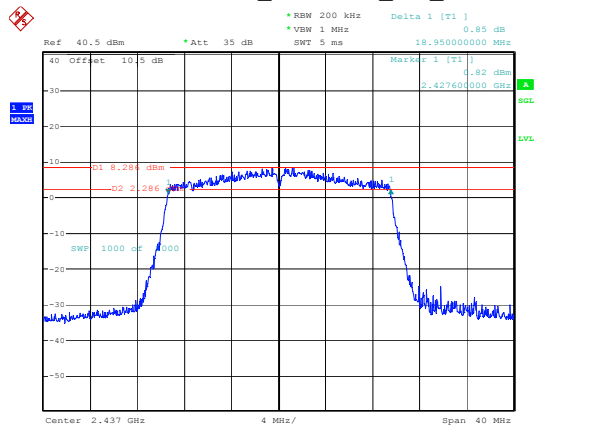
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:51:11

802.11ax20_2412MHz_RU_Full



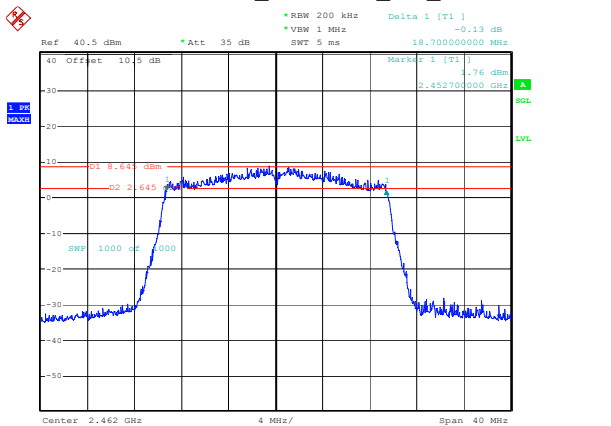
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 30.JUN.2025 20:54:21

802.11ax20_2437MHz_RU_Full



ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 30.JUN.2025 20:55:04

802.11ax20_2462MHz_RU_Full



ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 30.JUN.2025 20:55:48

99% Occupied Bandwidth**Test Information:**

Sample No.:	337Q-1	Test Date:	2025/06/07~2025/06/30
Test Site:	RF	Test Mode:	Transmitting
Tester:	Brian Li	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	27	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101
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Test Data:**ANT1**

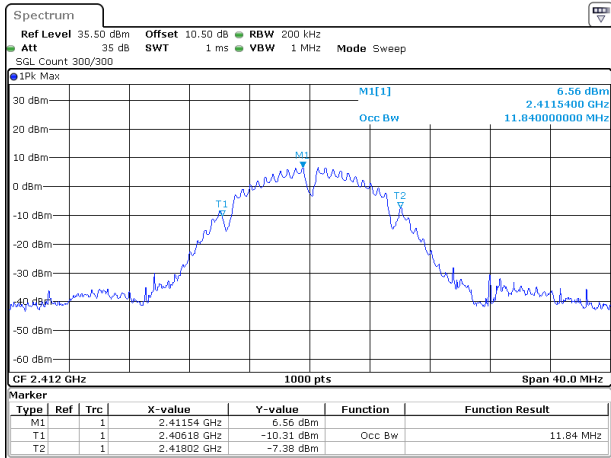
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11b	2412	11.840
	2437	11.880
	2462	11.880
802.11g	2412	16.600
	2437	16.600
	2462	16.600
802.11n20	2412	17.720
	2437	17.760
	2462	17.760
802.11ax20_RU_Full	2412	18.950
	2437	18.950
	2462	18.900

ANT2

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11b	2412	12
	2437	12
	2462	12.040
802.11g	2412	16.640
	2437	16.560
	2462	16.600
802.11n20	2412	17.760
	2437	17.760
	2462	17.760
802.11ax20_RU_Full	2412	18.950
	2437	18.950
	2462	19

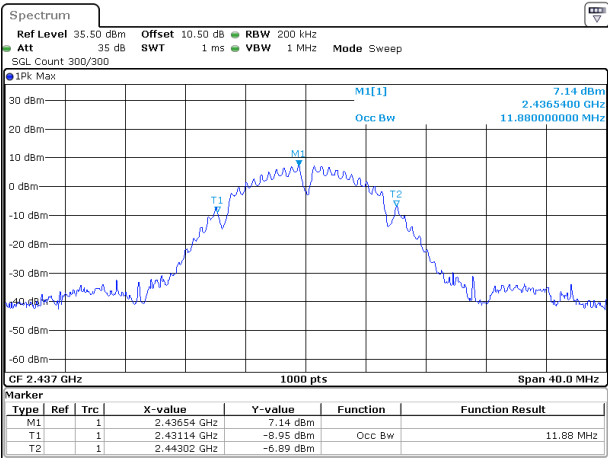
ANTI

802.11b_2412MHz



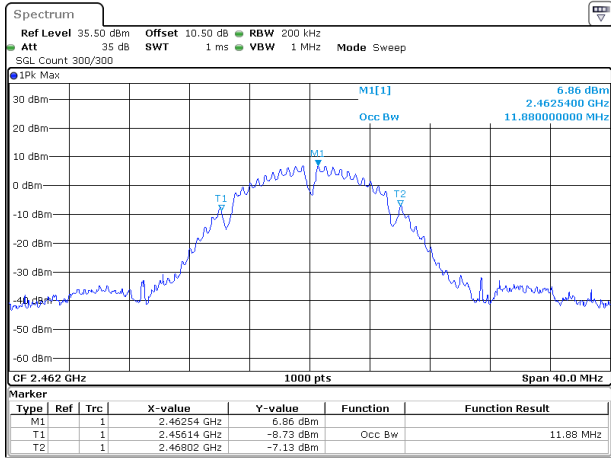
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:13:11

802.11b_2437MHz



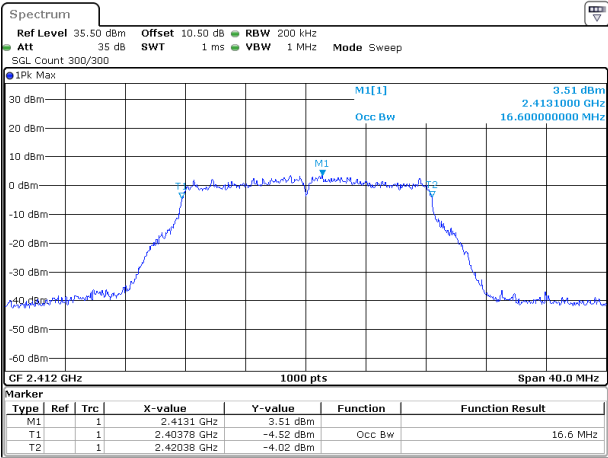
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Date: 7.JUN.2025 00:14:51

802.11b_2462MHz



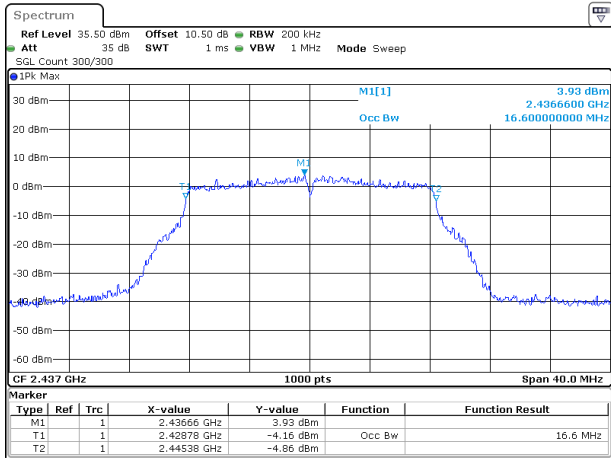
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Date: 7.JUN.2025 00:16:30

802.11g_2412MHz



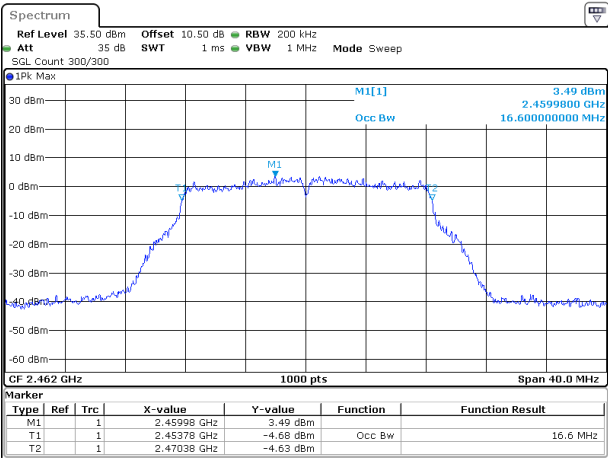
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Date: 7.JUN.2025 00:18:39

802.11g_2437MHz



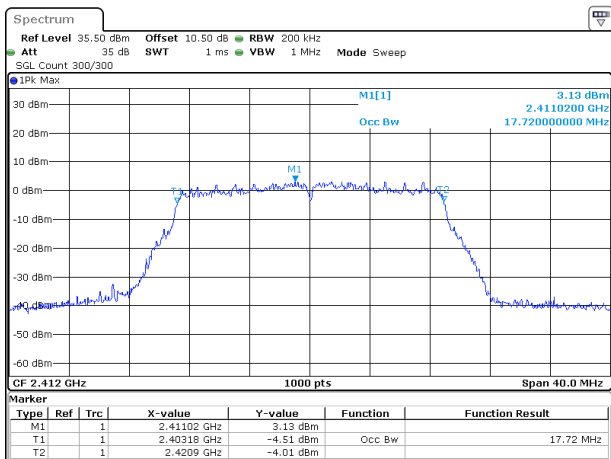
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Date: 7.JUN.2025 00:20:33

802.11g_2462MHz



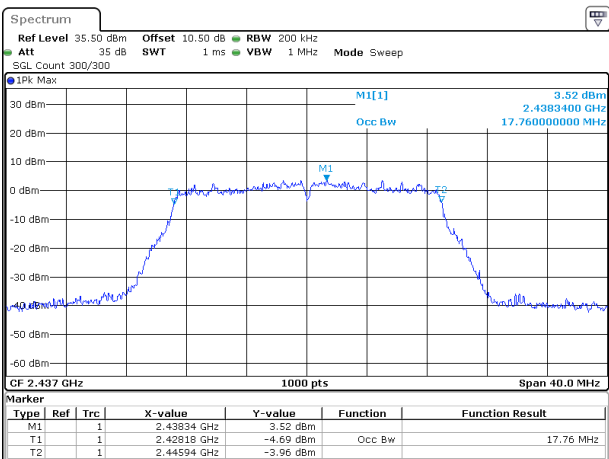
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:22:28

802.11n20_2412MHz



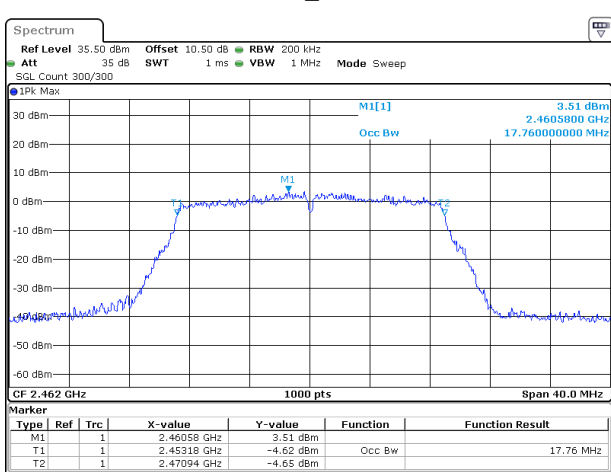
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Date: 7.JUN.2025 00:24:33

802.11n20_2437MHz



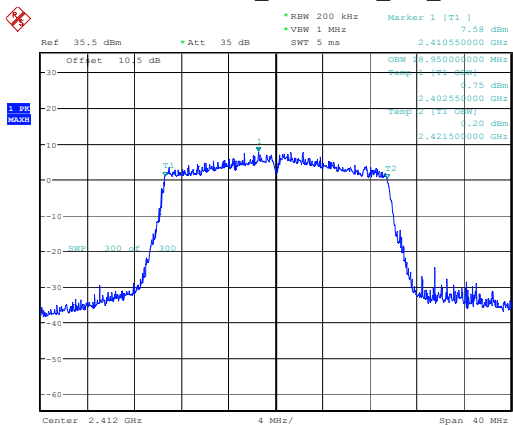
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Date: 7.JUN.2025 00:27:28

802.11n20_2462MHz



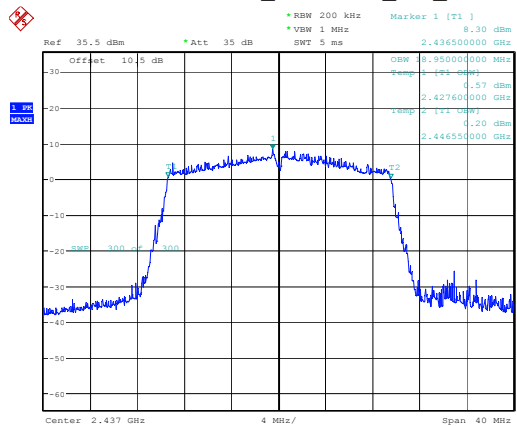
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:29:26

802.11ax20_2412MHz_RU_Full



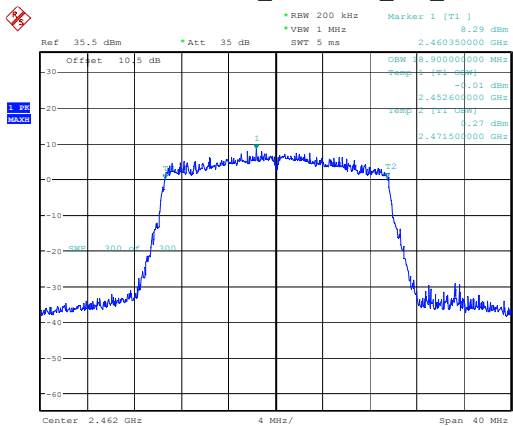
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 30.JUN.2025 20:50:21

802.11ax20_2437MHz_RU_Full



ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 30.JUN.2025 20:51:21

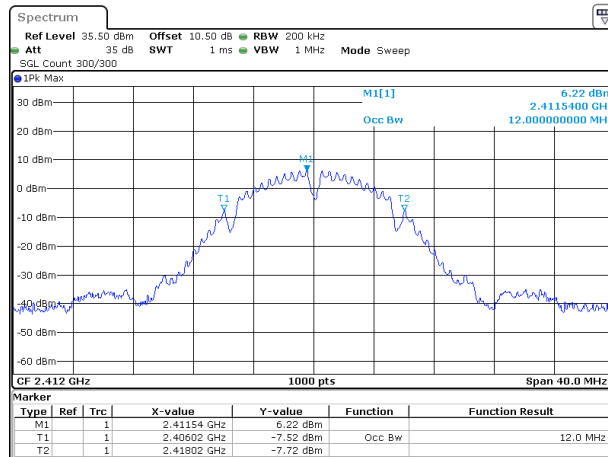
802.11ax20_2462MHz_RU_Full



ProjectNo.:2501T23285E-RF Tester:Brian Li
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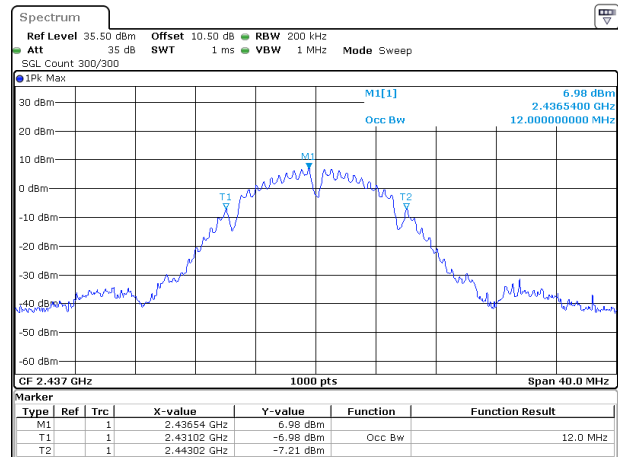
ANT2

802.11b_2412MHz



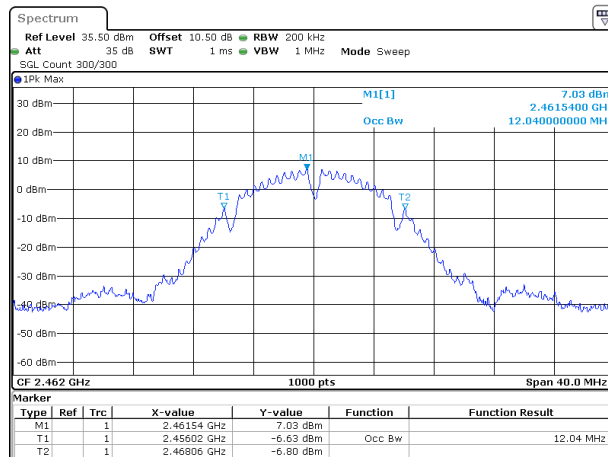
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:41:58

802.11b_2437MHz



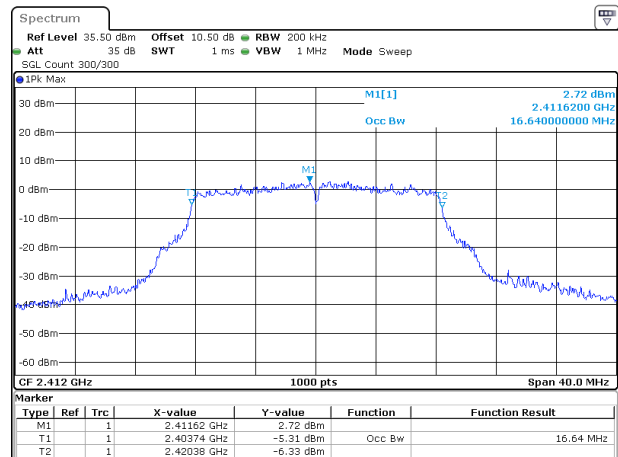
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:42:57

802.11b_2462MHz



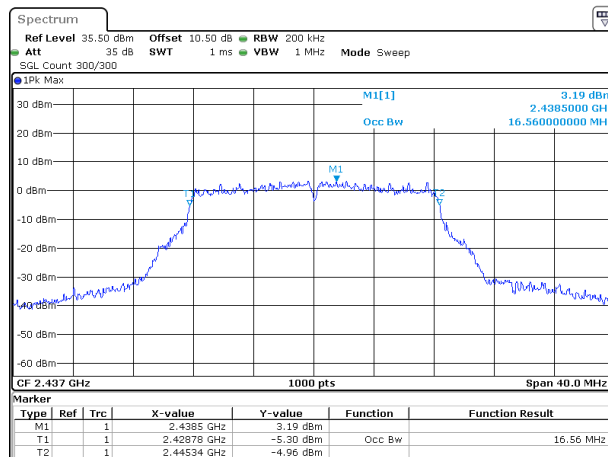
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:43:50

802.11g_2412MHz



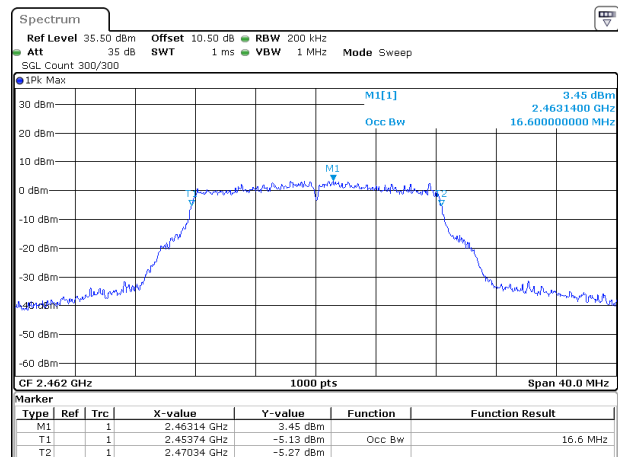
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:46:04

802.11g_2437MHz



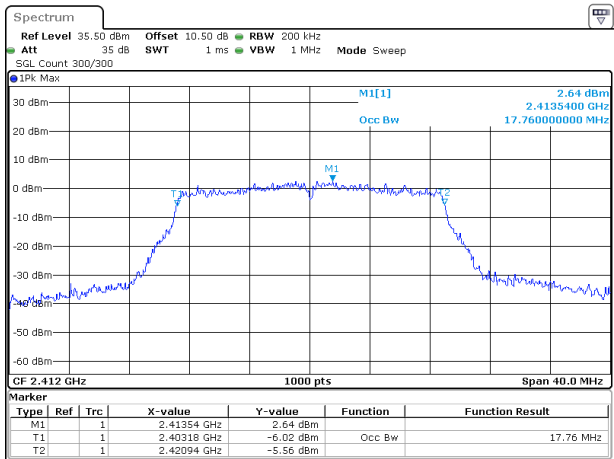
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Date: 7.JUN.2025 00:47:04

802.11g_2462MHz



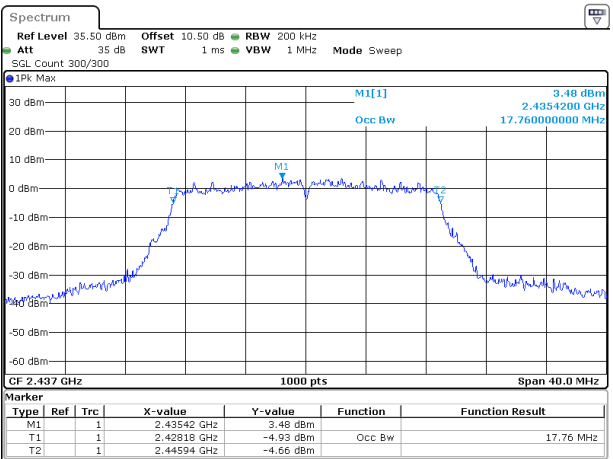
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:48:04

802.11n20_2412MHz



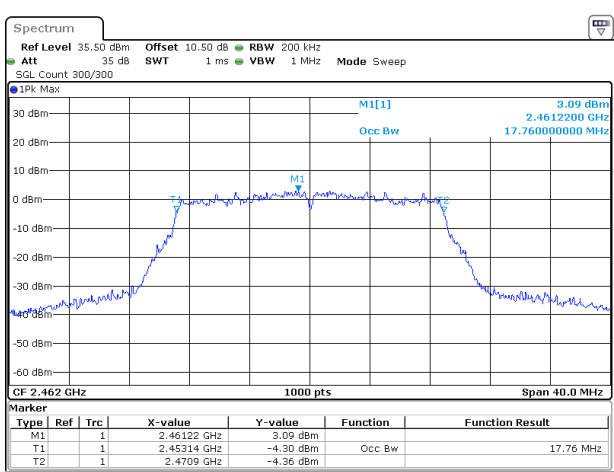
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:49:22

802.11n20_2437MHz



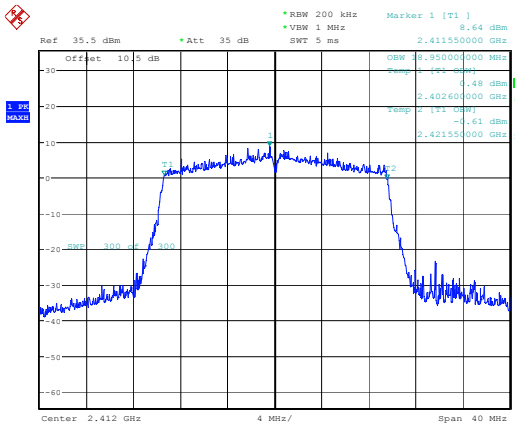
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:50:20

802.11n20_2462MHz



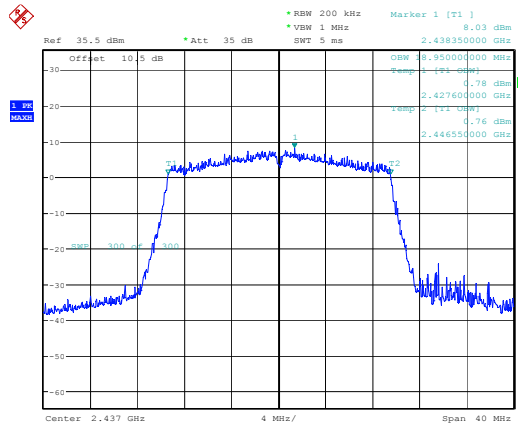
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:51:21

802.11ax20_2412MHz_RU_Full



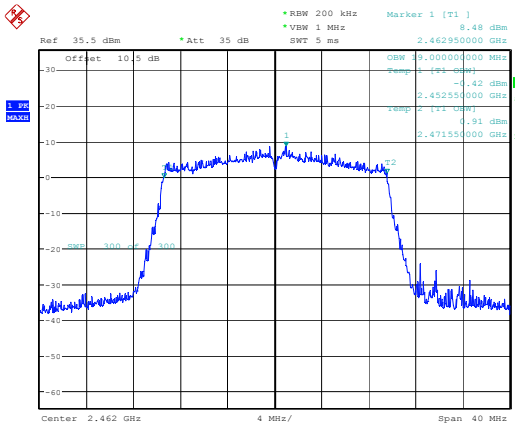
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 30.JUN.2025 20:54:33

802.11ax20_2437MHz_RU_Full



ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 30.JUN.2025 20:55:16

802.11ax20_2462MHz_RU_Full



ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 30.JUN.2025 20:56:00

Maximum Conducted Output Power

Test Information:

Sample No.:	337Q-1	Test Date:	2025/06/07
Test Site:	RF	Test Mode:	Transmitting
Tester:	Brian Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	27	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101
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Test Data:**ANT1**

Mode	Test Frequency (MHz)	Peak Output Power(dBm)	Average Output Power(dBm)	Limit (dBm)	ERIP (dBm)	Limit (dBm)	Verdict
802.11b	2412	17.04	13.90	30	18.76	36	Pass
	2437	17.60	14.50	30	19.32	36	Pass
	2462	17.27	14.24	30	18.99	36	Pass
802.11g	2412	20.93	13.57	30	22.65	36	Pass
	2437	21.23	13.81	30	22.95	36	Pass
	2462	20.91	13.54	30	22.63	36	Pass
802.11n20	2412	20.83	13.52	30	22.55	36	Pass
	2437	21.07	13.77	30	22.79	36	Pass
	2462	20.78	13.40	30	22.50	36	Pass
802.11ax20_RU_Full	2412	20.79	13.48	30	22.51	36	Pass
	2437	21.06	13.70	30	22.78	36	Pass
	2462	20.81	13.42	30	22.53	36	Pass

ANT2

Mode	Test Frequency (MHz)	Peak Output Power(dBm)	Average Output Power(dBm)	Limit (dBm)	ERIP (dBm)	Limit (dBm)	Verdict
802.11b	2412	16.70	13.57	30	19.67	36	Pass
	2437	17.20	14.16	30	20.17	36	Pass
	2462	17.47	14.19	30	20.44	36	Pass
802.11g	2412	20.22	12.88	30	23.19	36	Pass
	2437	20.93	13.47	30	23.90	36	Pass
	2462	20.97	13.50	30	23.94	36	Pass
802.11n20	2412	20.01	12.71	30	22.98	36	Pass
	2437	20.71	13.38	30	23.68	36	Pass
	2462	20.72	13.39	30	23.69	36	Pass
802.11ax20_RU_Full	2412	20.95	13.00	30	23.92	36	Pass
	2437	21.45	13.58	30	24.42	36	Pass
	2462	21.51	13.77	30	24.48	36	Pass

Power Spectral Density

Test Information:

Sample No.:	337Q-1	Test Date:	2025/06/07
Test Site:	RF	Test Mode:	Transmitting
Tester:	Brian Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	27	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101
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Test Data:**ANT1**

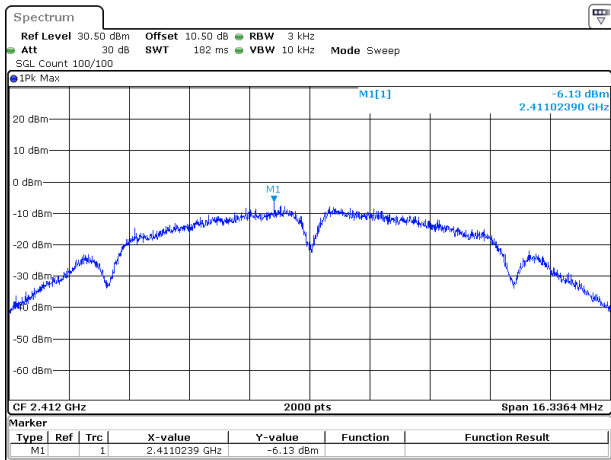
Mode	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	-6.13	8	Pass
	2437	-6.75	8	Pass
	2462	-6.93	8	Pass
802.11g	2412	-10.13	8	Pass
	2437	-9.56	8	Pass
	2462	-9.91	8	Pass
802.11n20	2412	-10.74	8	Pass
	2437	-10.21	8	Pass
	2462	-10.96	8	Pass
802.11ax20_RU_Full	2412	-10.91	8	Pass
	2437	-8.66	8	Pass
	2462	-10.65	8	Pass

ANT2

Mode	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	-9.49	8	Pass
	2437	-8.27	8	Pass
	2462	-8.04	8	Pass
802.11g	2412	-10.91	8	Pass
	2437	-11.85	8	Pass
	2462	-10.13	8	Pass
802.11n20	2412	-12.43	8	Pass
	2437	-11.83	8	Pass
	2462	-10.38	8	Pass
802.11ax20_RU_Full	2412	-12.80	8	Pass
	2437	-12.48	8	Pass
	2462	-10.90	8	Pass

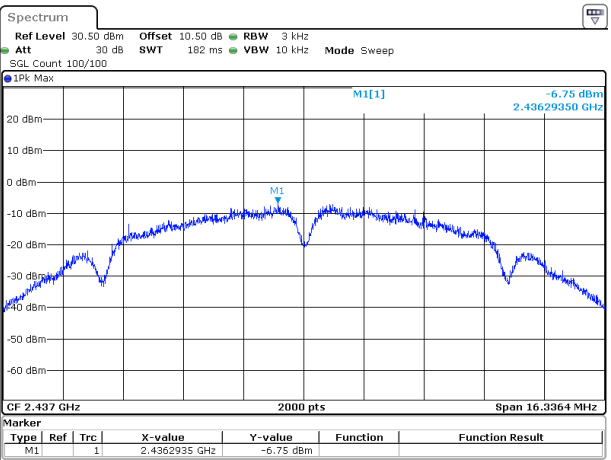
ANTI

802.11b_2412MHz



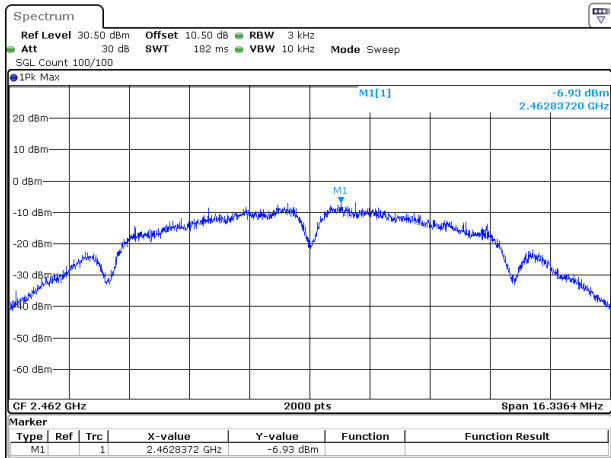
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:14:03

802.11b_2437MHz



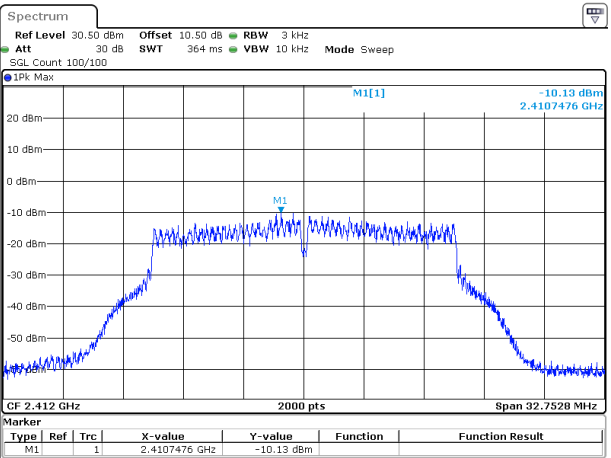
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:15:42

802.11b_2462MHz



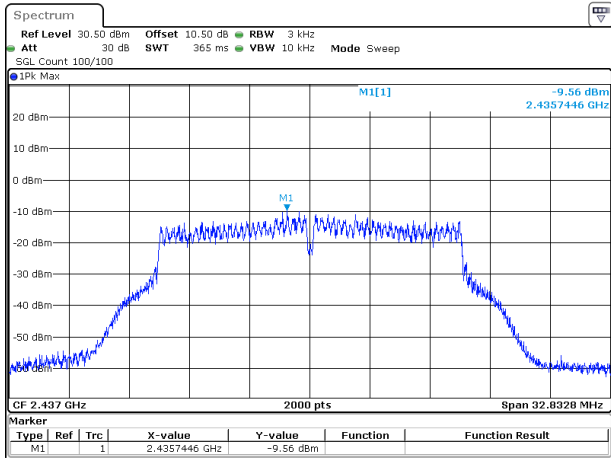
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Date: 7.JUN.2025 00:17:24

802.11g_2412MHz



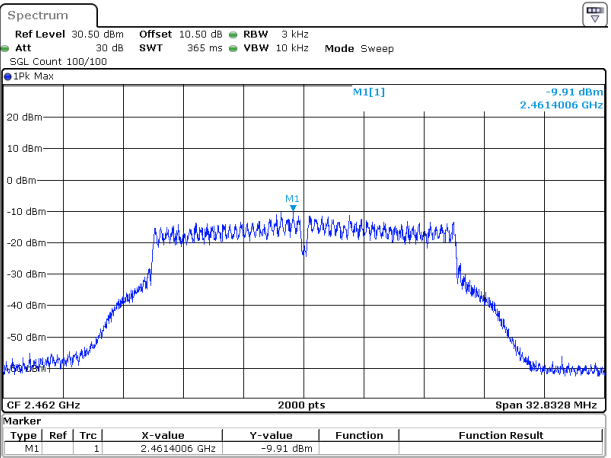
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:19:49

802.11g_2437MHz



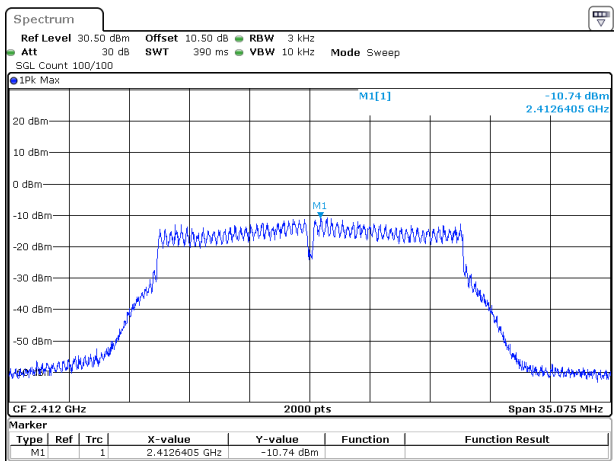
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Date: 7.JUN.2025 00:21:27

802.11g_2462MHz



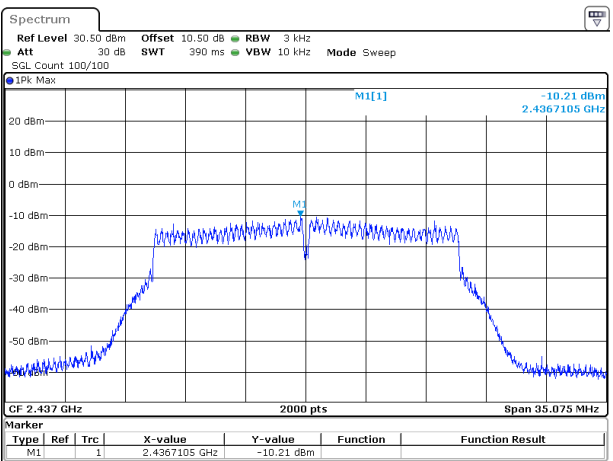
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Date: 7.JUN.2025 00:23:47

802.11n20_2412MHz



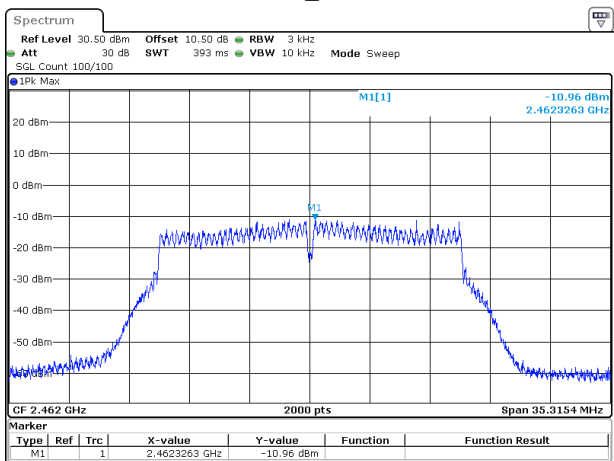
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Date: 7.JUN.2025 00:25:40

802.11n20_2437MHz



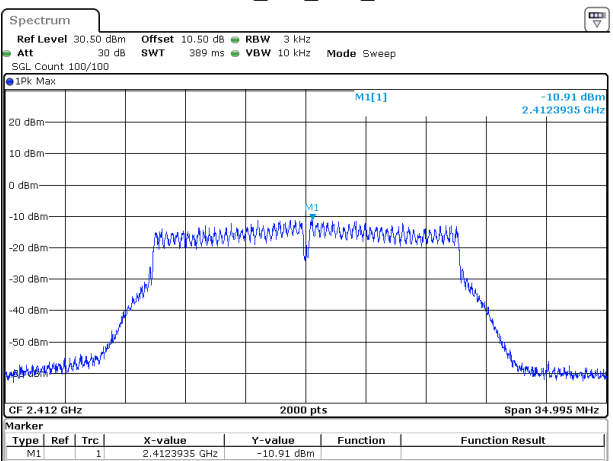
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:28:36

802.11n20_2462MHz



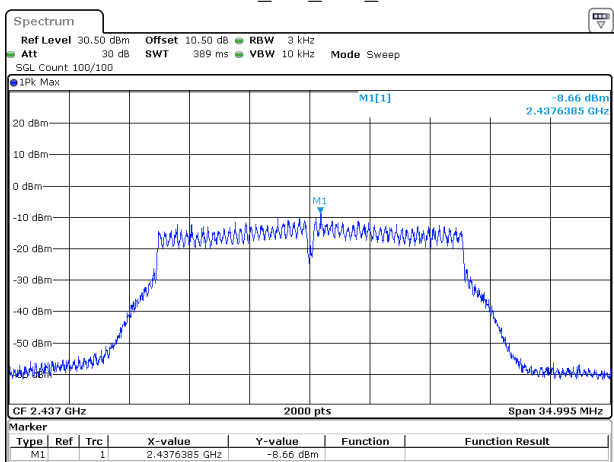
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Date: 7.JUN.2025 00:30:33

802.11ax20_RU_Full_2412MHz



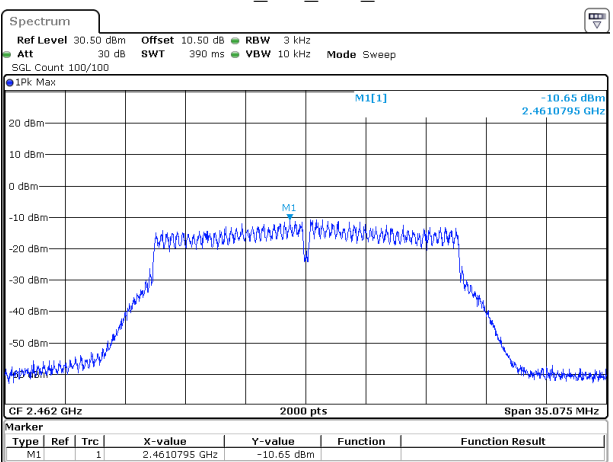
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:32:30

802.11ax20_RU_Full_2437MHz



ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:34:21

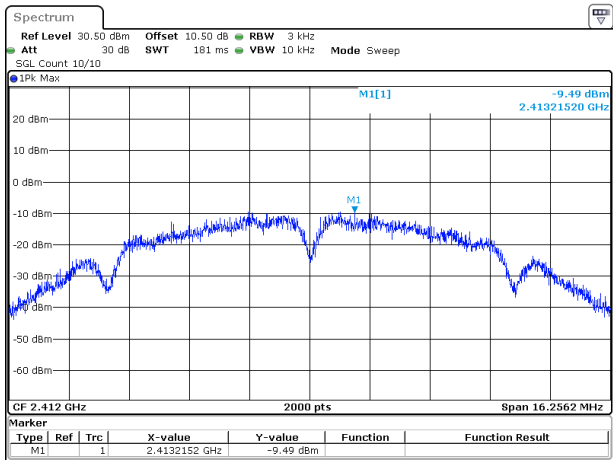
802.11ax20_RU_Full_2462MHz



ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:36:26

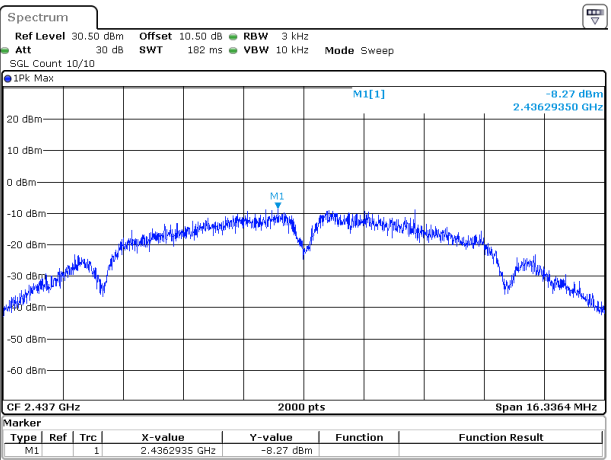
ANT2

802.11b_2412MHz



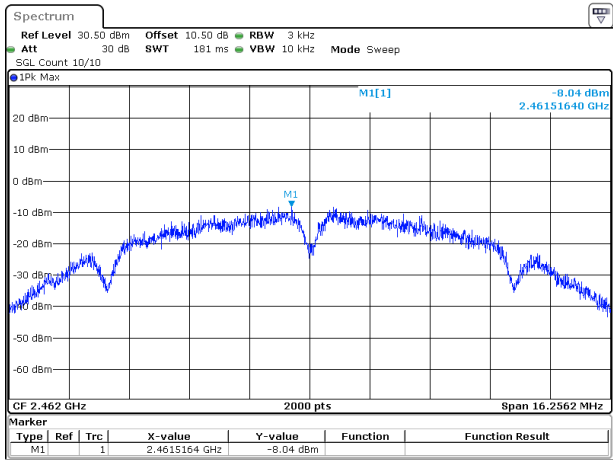
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:42:24

802.11b_2437MHz



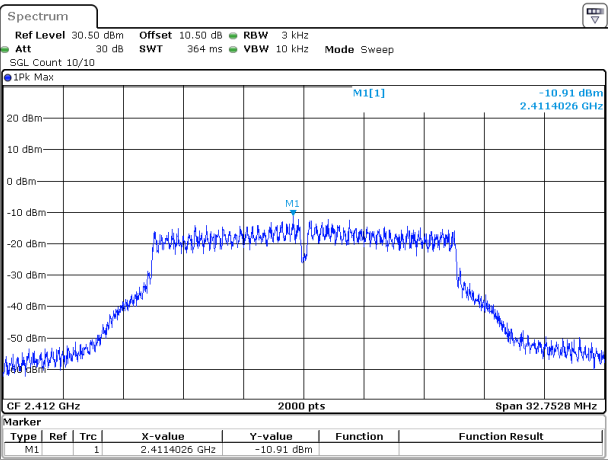
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:43:11

802.11b_2462MHz



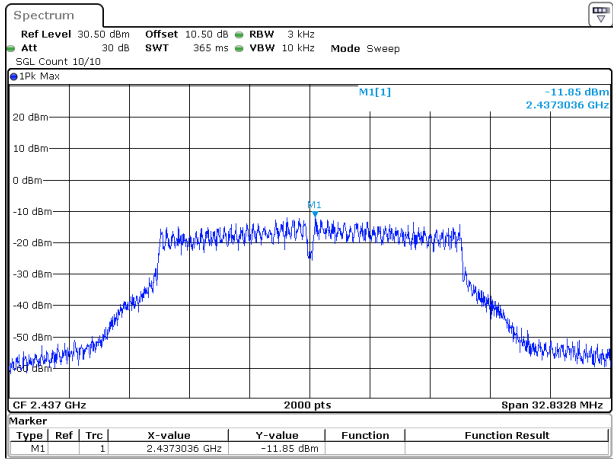
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:45:13

802.11g_2412MHz



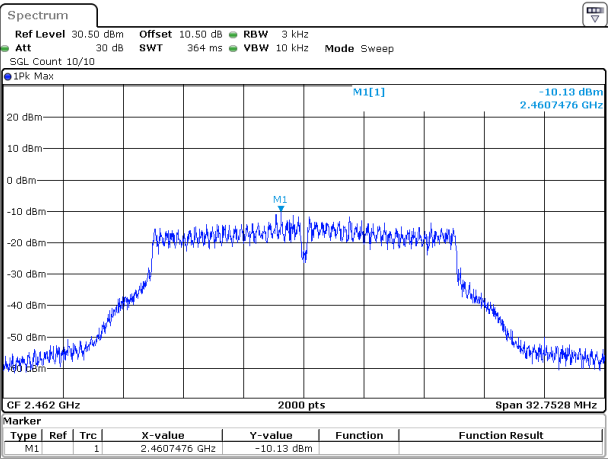
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:46:31

802.11g_2437MHz



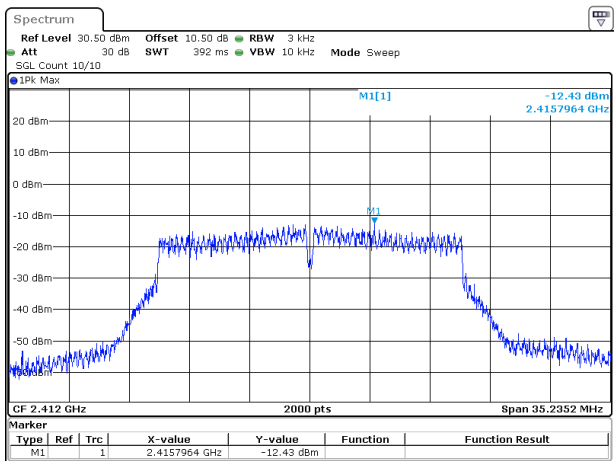
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Date: 7.JUN.2025 00:47:19

802.11g_2462MHz



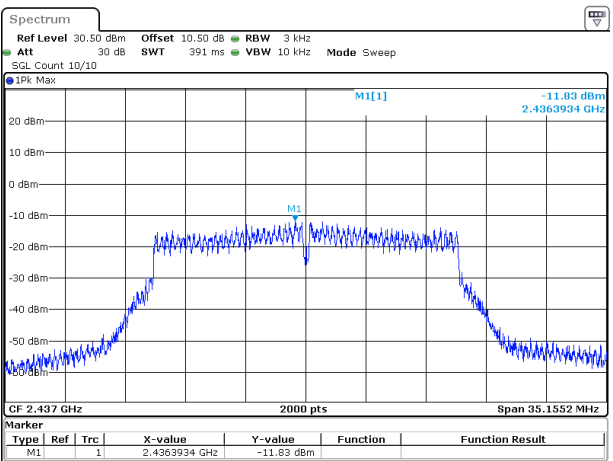
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:48:32

802.11n20_2412MHz



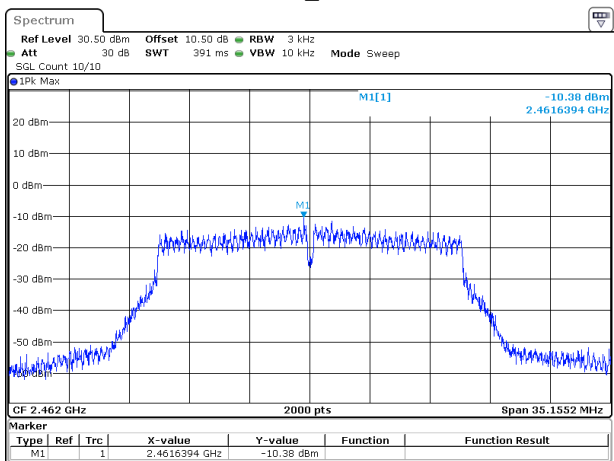
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:49:47

802.11n20_2437MHz



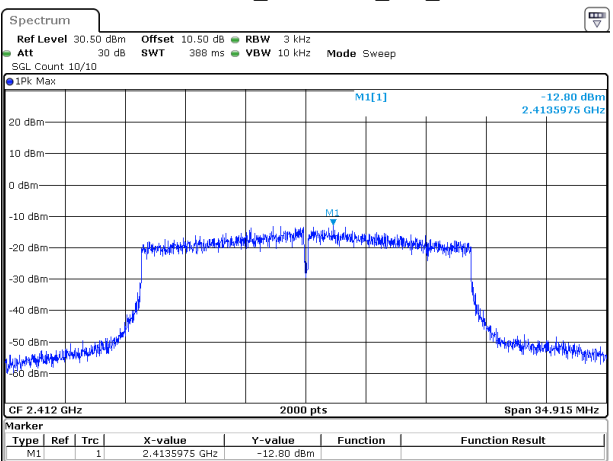
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:50:43

802.11n20_2462MHz



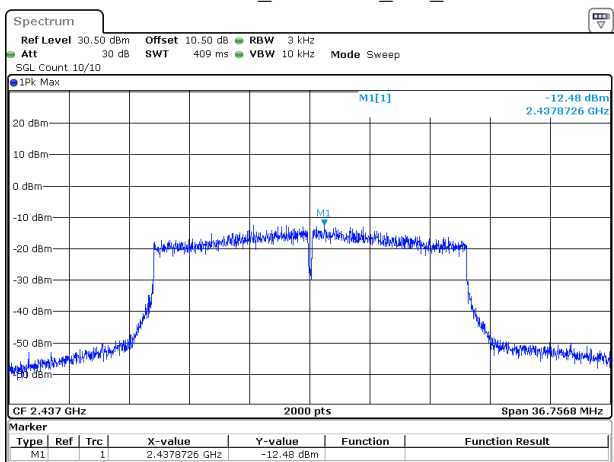
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:51:52

802.11ax20_2412MHz_RU_Full



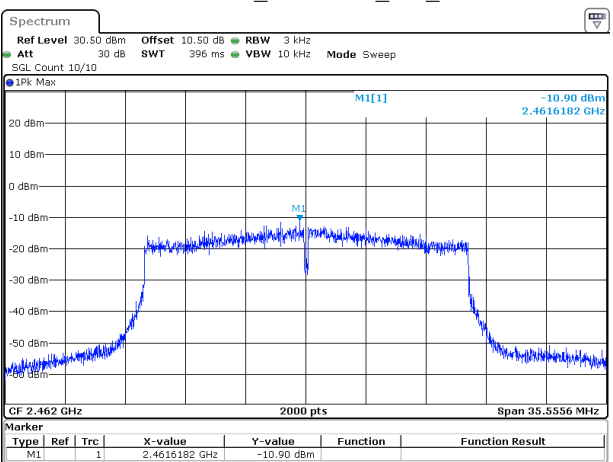
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:53:05

802.11ax20_2437MHz_RU_Full



ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:54:13

802.11ax20_2462MHz_RU_Full



ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:55:43

100 kHz Bandwidth of Frequency Band Edge**Test Information:**

Sample No.:	337Q-1	Test Date:	2025/06/07
Test Site:	RF	Test Mode:	Transmitting
Tester:	Brian Li	Test Result:	Pass

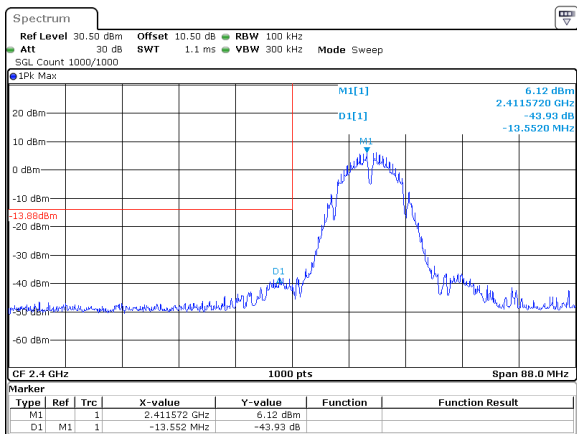
Environmental Conditions:

Temperature: (°C)	27	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101
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Test Data:

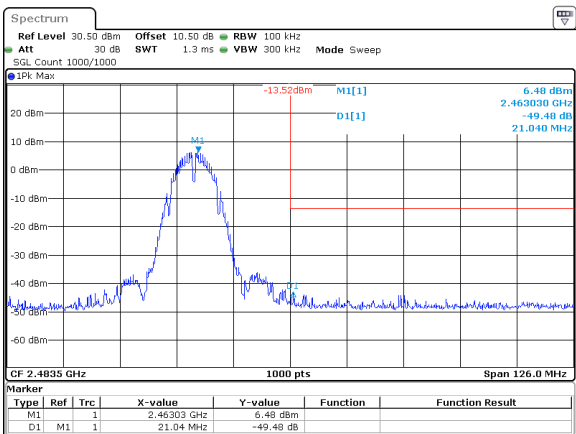
ANT1

802.11b_2412MHz



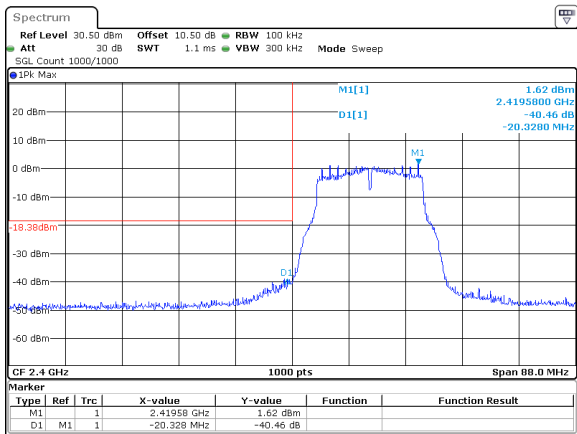
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:13:38

802.11b_2462MHz



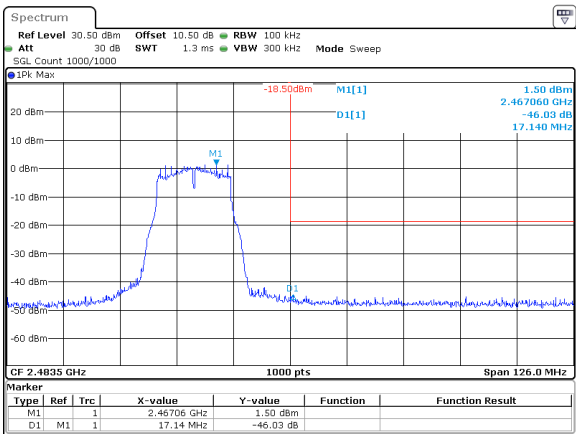
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:16:59

802.11g_2412MHz



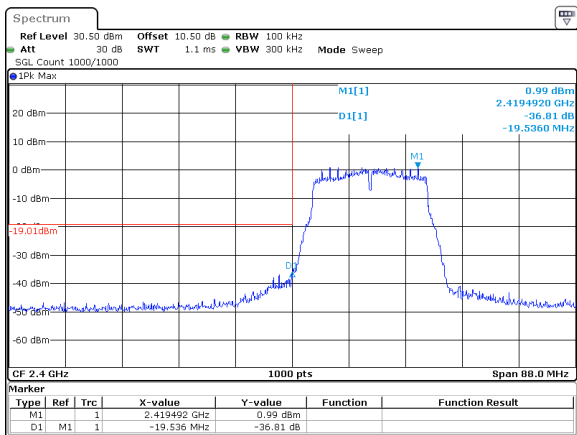
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:19:03

802.11g_2462MHz



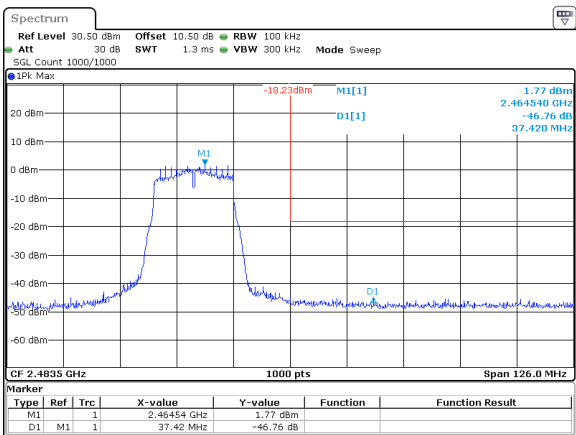
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:23:00

802.11n20_2412MHz



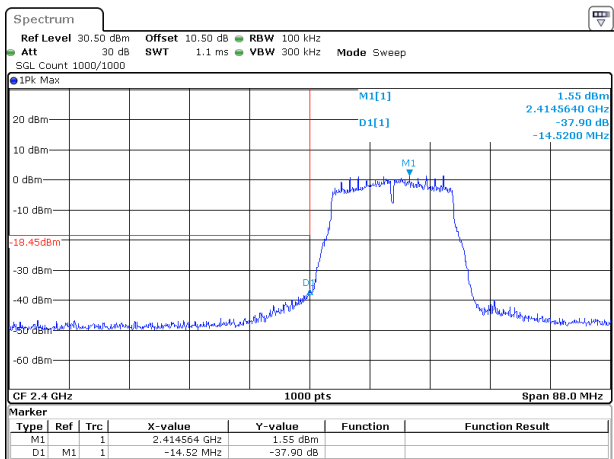
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Date: 7.JUN.2025 00:24:51

802.11n20_2462MHz



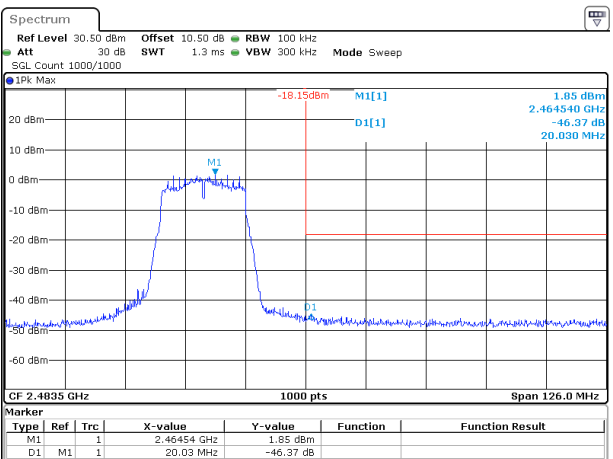
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:29:44

802.11ax20_RU_Full_2412MHz



ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:31:42

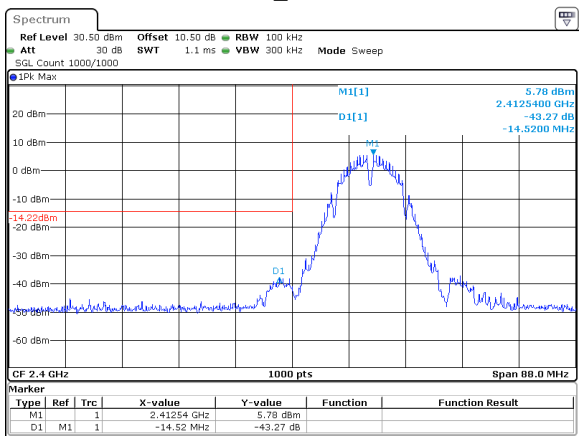
802.11ax20_RU_Full_2462MHz



ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:35:36

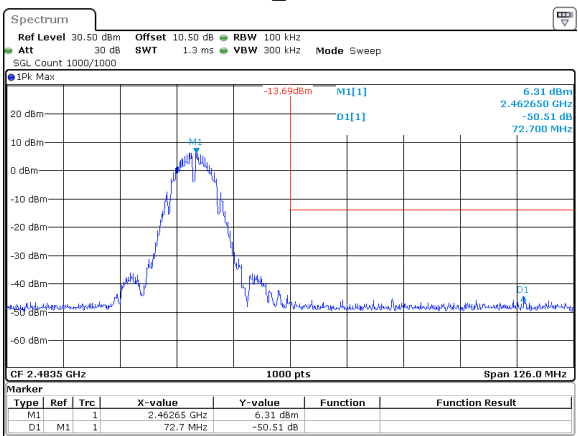
ANT2

802.11b_2412MHz



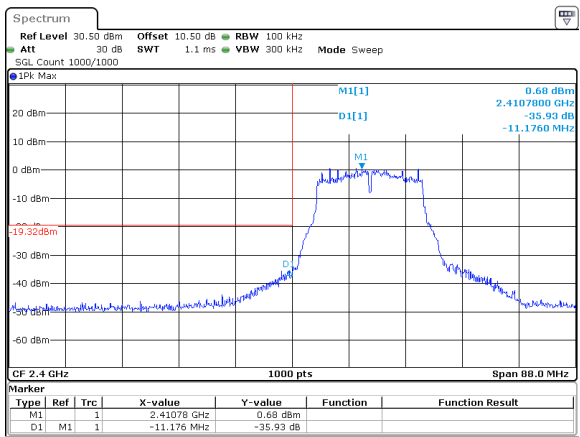
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:42:19

802.11b_2462MHz



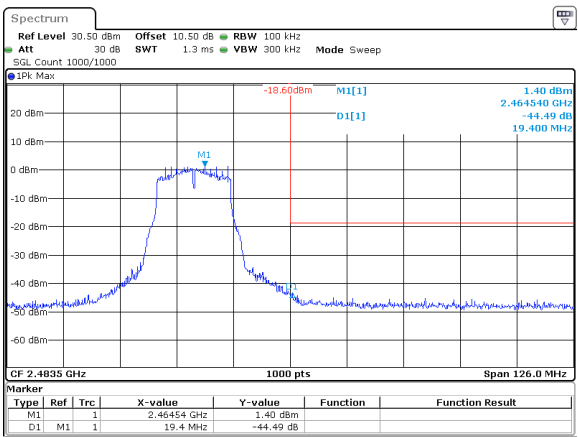
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:44:43

802.11g_2412MHz



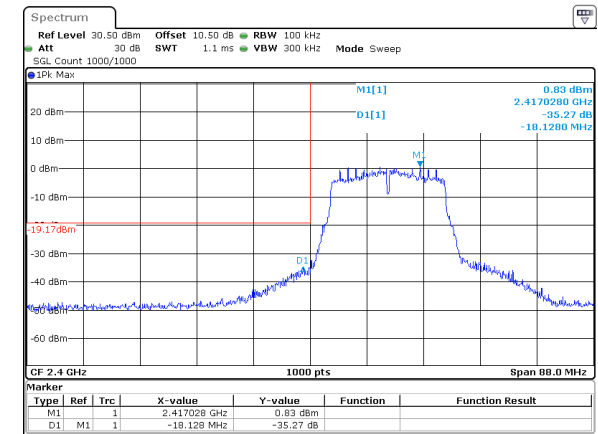
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:46:23

802.11g_2462MHz



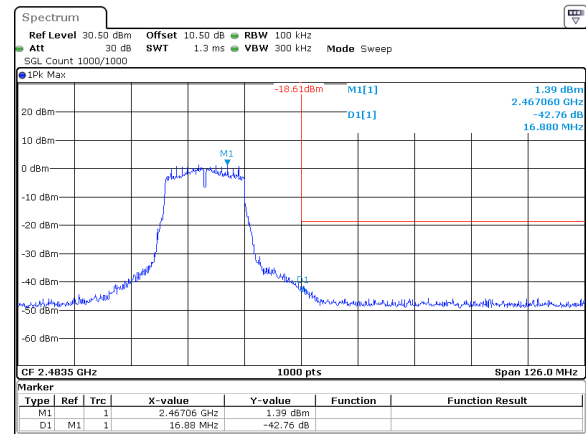
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:48:24

802.11n20_2412MHz



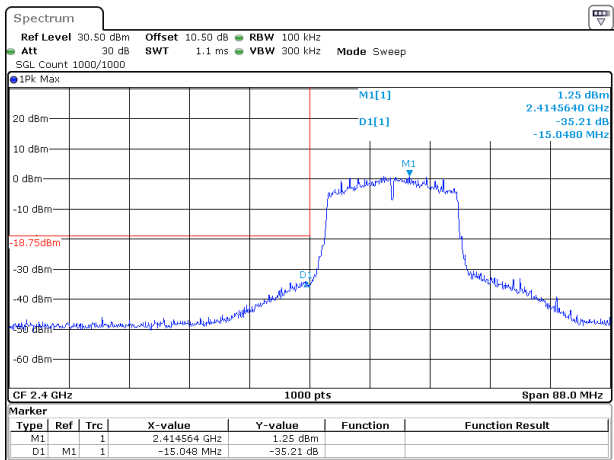
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Date: 7.JUN.2025 00:49:39

802.11n20_2462MHz



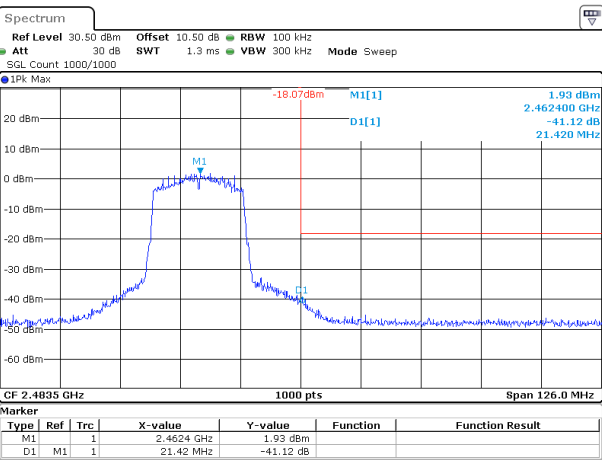
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:51:44

802.11ax20_2412MHz_RU_Full



ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:52:56

802.11ax20_2462MHz_RU_Full



ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:55:35

Duty Cycle

Test Information:

Sample No.:	337Q-1	Test Date:	2025/06/07
Test Site:	RF	Test Mode:	Transmitting
Tester:	Brian Li	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	27	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101
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Test Data:**ANT1**

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	2437	8.401	8.503	98.80	/	/	0.010
802.11g	2437	1.394	1.495	93.24	0.30	717	1
802.11n20	2437	1.306	1.407	92.82	0.32	766	1
802.11ax20_RU_Full	2437	1.314	1.415	92.86	0.32	761	1

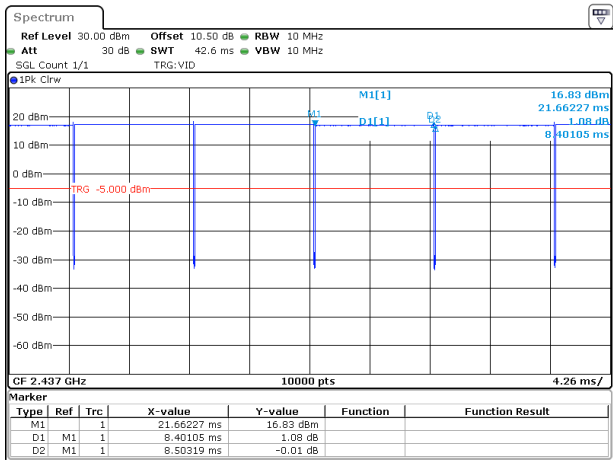
ANT2

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	2437	8.401	8.503	98.80	/	/	0.010
802.11g	2437	1.394	1.495	93.24	0.30	717	1
802.11n20	2437	1.306	1.407	92.82	0.32	766	1
802.11ax20_RU_Full	2437	1.019	1.120	90.98	0.41	981	1

$$\text{Duty Cycle} = \text{Ton}/(\text{Ton}+\text{Toff})*100\%$$

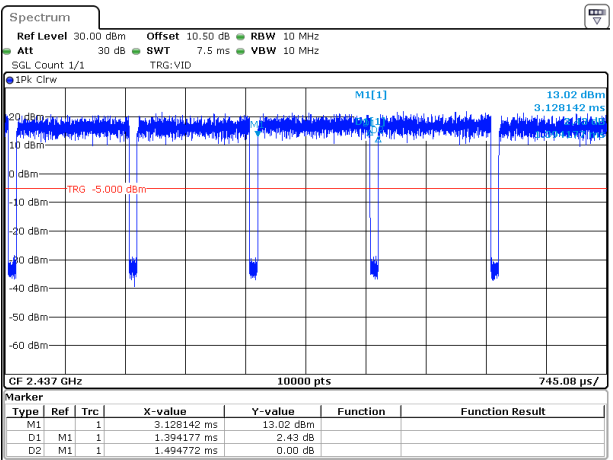
ANTI

802.11b_2437MHz



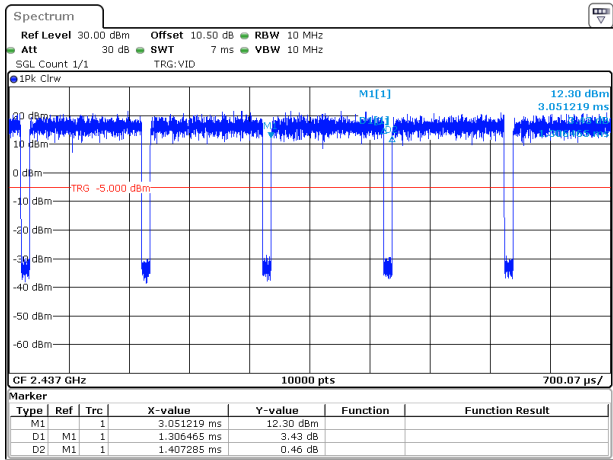
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:09:35

802.11g_2437MHz



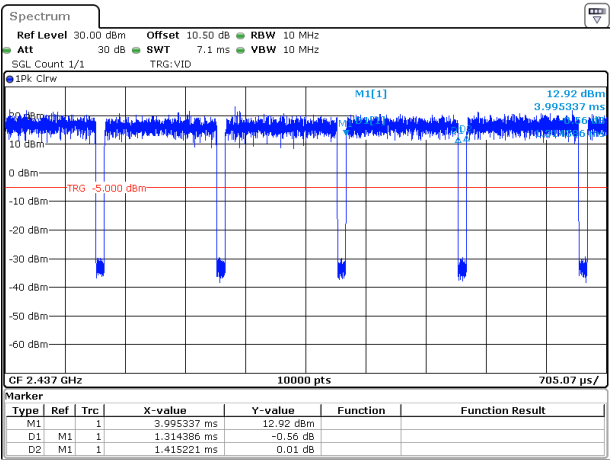
ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:10:06

802.11n20_2437MHz



ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:10:35

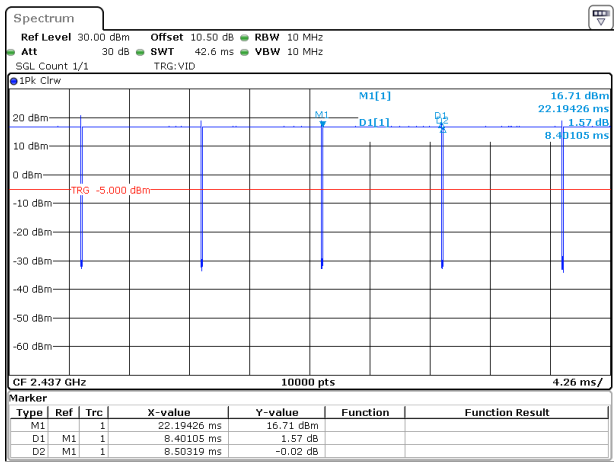
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ProjectNo.:2501T23285E-RF Tester:Brian Li
Date: 7.JUN.2025 00:12:02

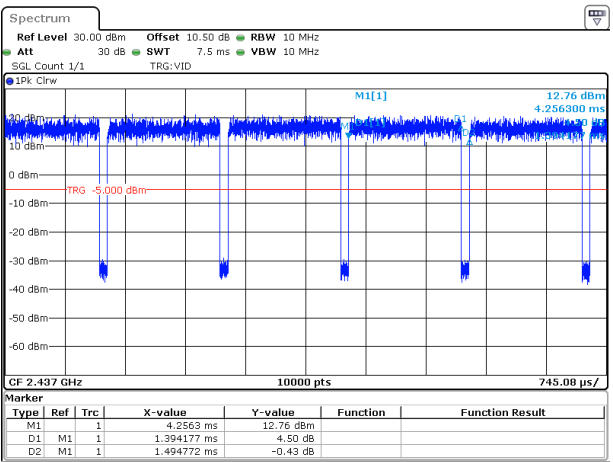
ANT2

802.11b_2437MHz



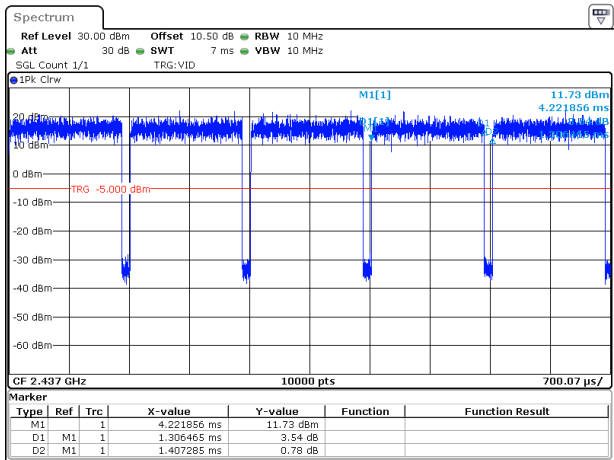
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:40:27

802.11g_2437MHz



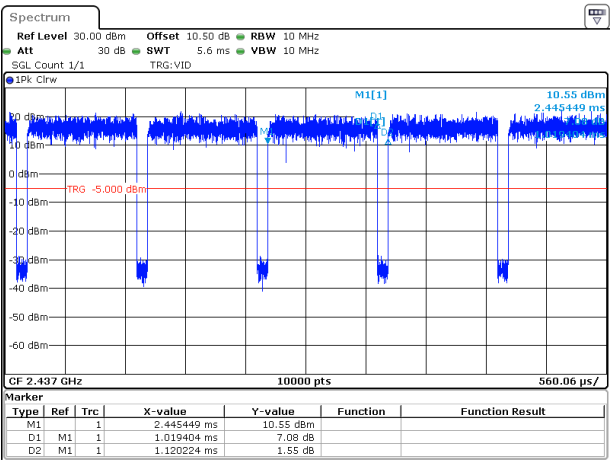
ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:40:39

802.11n20_2437MHz



ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:40:54

802.11ax20_2437MHz_RU_Full



ProjectNo.:2501T23285E-RF-ANT2 Tester:Brian Li
Date: 7.JUN.2025 00:41:05

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	7.5	1.72	-0.43	7.07	5.09	0.2	768
BLE	2402-2480	4.0	1.72	-0.43	3.57	2.28	0.2	768
2.4G Wi-Fi	2412-2462	22.0	2.97	0.82	22.82	191.43	0.2	768
5.2G Wi-Fi	5180-5240	10.5	3.10	0.95	11.45	13.96	0.2	768
5.3G Wi-Fi	5260-5320	10.5	3.74	1.59	12.09	16.18	0.2	768
5.6G Wi-Fi	5500-5720	11.0	3.93	1.78	12.78	18.97	0.2	768
5.8G Wi-Fi	5745-5825	10.5	2.20	0.05	10.55	11.35	0.2	768

Note: 1. The tune up conducted power and antenna gain was declared by the applicant.

2. 0dBd=2.15dBi

3. The BT and Wi-Fi can transmit at same time, the 2.4G and 5G Wi-Fi cannot transmit at same time.

Simultaneous transmitting consideration (worst case):

The ratio= $ERP_{BT} / \text{limit} + ERP_{2.4G \text{ Wi-Fi}} / \text{limit} = 5.09/768 + 191.43/768 = 0.256 < 1.0$

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

Field reference level exposure exemption limits

Applicable Standard

According to RSS-102 Issue 6§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 EIRP 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 EIRP 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 EIRP 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 EIRP 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 EIRP 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 EIRP was derived.

Calculated Data:

Mode	Frequency (MHz)	Maximum tune-up conducted power [#] (dBm)	Antenna Gain [#]	Maximum tune-up EIRP		Evaluation Distance (m)	Limit (mW)
			(dBi)	(dBm)	(mW)		
BT	2402-2480	7.5	1.72	9.22	8.36	0.2	2676
BLE	2402-2480	4.0	1.72	5.72	3.73	0.2	2676
2.4G Wi-Fi	2412-2462	22.0	2.97	24.97	314.05	0.2	2684
5.2G Wi-Fi	5180-5240	10.5	3.10	13.60	22.91	0.2	4525
5.3G Wi-Fi	5260-5320	10.5	3.74	14.24	26.55	0.2	4573
5.6G Wi-Fi	5500-5720	11.0	3.93	14.93	31.12	0.2	4714
5.8G Wi-Fi	5745-5825	10.5	2.20	12.70	18.62	0.2	4857

Note: 1. The tune up conducted power[#] and antenna gain[#] was declared by the applicant.

3. The BT and Wi-Fi can transmit at same time, the 2.4G and 5G Wi-Fi cannot transmit at same time.

Simultaneous transmitting consideration (worst case):

The ratio= $EIRP_{BT}/limit + EIRP_{2.4G\ Wi-Fi}/limit = 8.36/2676 + 314.05/2684 = 0.120 < 1.0$

So simultaneous exposure is compliant.

Result: Compliant

Note: To maintain compliance with the RF exposure guidelines, place the equipment at least 20cm from nearby persons.

EUT PHOTOGRAPHS

Please refer to the attachment 2501T23285E-RF External photo and 2501T23285E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2501T23285E-RFA Test Setup photo.

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