

Appendix A

Test Information:

Sample No.:	31B1-1	Test Date:	2025/05/03
Test Site:	RF	Test Mode:	Transmitting
Tester:	Chin Qin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5	Relative Humidity: (%)	56	ATM Pressure: (kPa)	100.3
----------------------	------	------------------------------	----	------------------------	-------

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Anritsu	Pulse Power Sensor	MA2411A	10780	2024/08/03	2025/08/02
Anritsu	Power Meter	ML2495A	1106009	2024/08/03	2025/08/02
R&S	Spectrum Analyzer	FSU26	200256	2025/03/31	2026/03/30
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

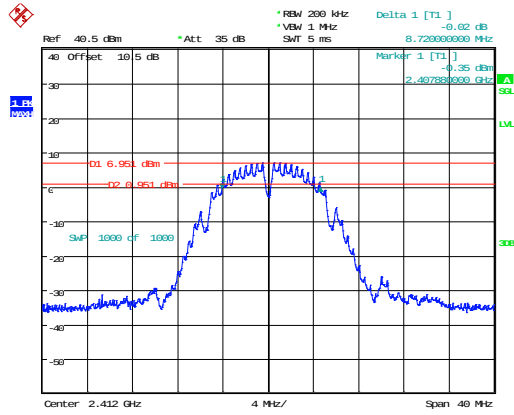
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

6dB Emission Bandwidth

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	2412	8.720	≥ 0.5	Pass
	2437	9.120	≥ 0.5	Pass
	2462	8.680	≥ 0.5	Pass
802.11g	2412	16.480	≥ 0.5	Pass
	2437	16.640	≥ 0.5	Pass
	2462	16.520	≥ 0.5	Pass
802.11n20	2412	17.680	≥ 0.5	Pass
	2437	17.760	≥ 0.5	Pass
	2462	17.680	≥ 0.5	Pass

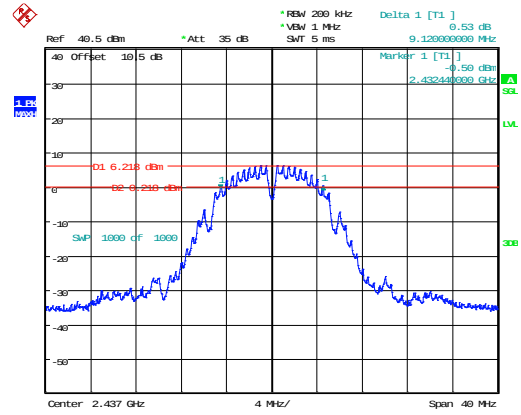
2.4G

802.11b_2412MHz



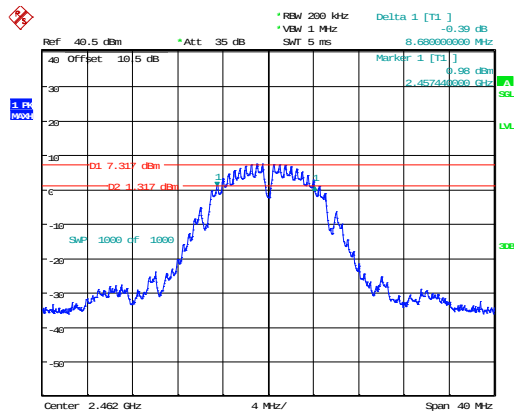
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:21:33

802.11b_2437MHz



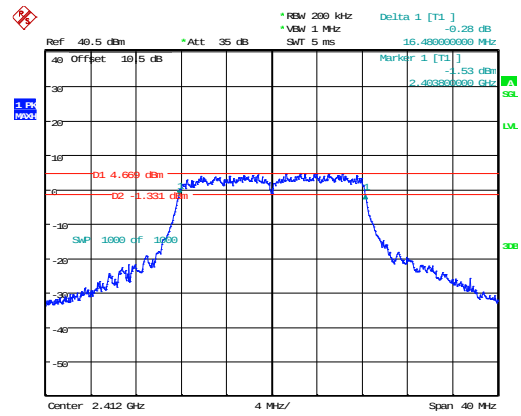
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:26:42

802.11b_2462MHz



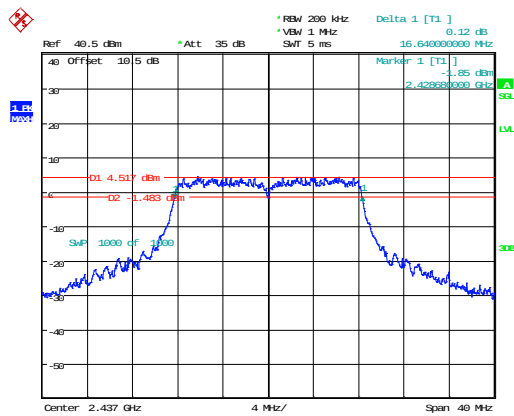
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:30:26

802.11g_2412MHz



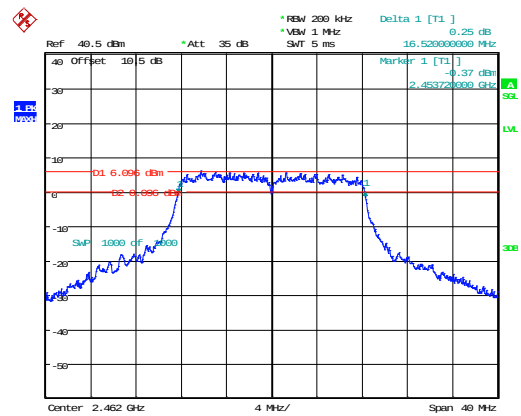
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:35:21

802.11g_2437MHz



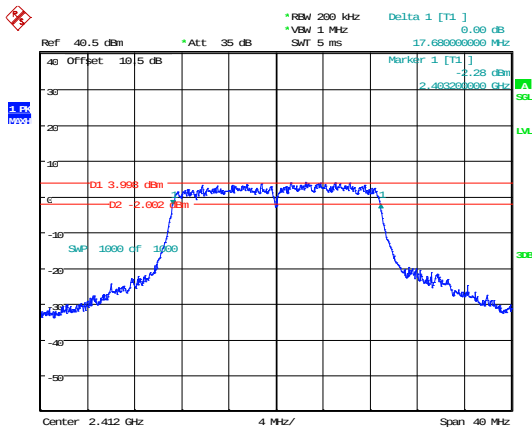
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:41:18

802.11g_2462MHz



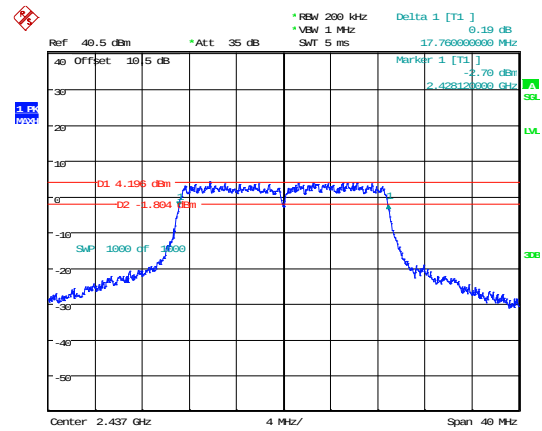
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:46:40

802.11n20_2412MHz



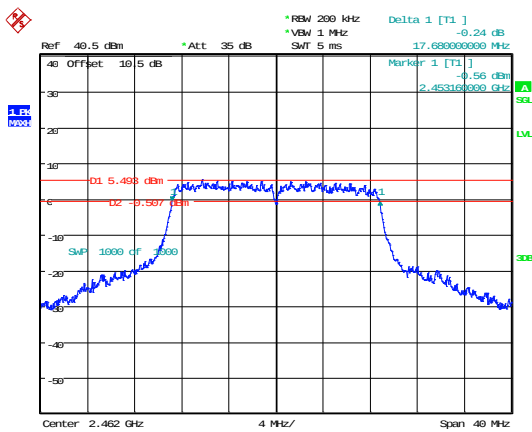
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:52:18

802.11n20_2437MHz



ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:56:48

802.11n20_2462MHz



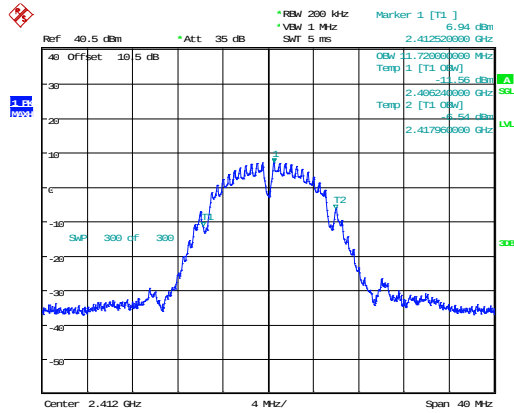
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 14:08:38

99% Occupied Bandwidth

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11b	2412	11.720
	2437	11.960
	2462	12
802.11g	2412	16.960
	2437	17.200
	2462	17.160
802.11n20	2412	17.800
	2437	18
	2462	17.920

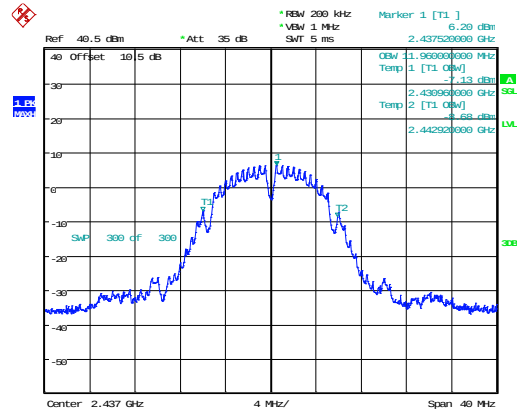
2.4G

802.11b_2412MHz



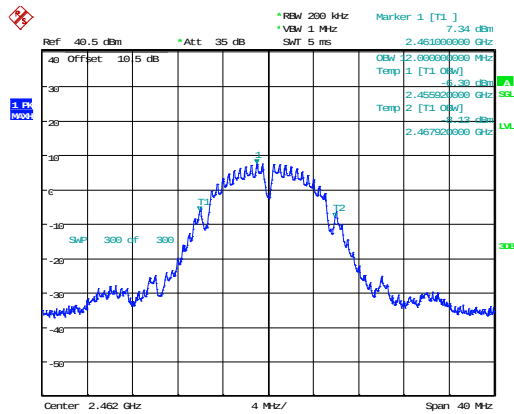
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:22:08

802.11b_2437MHz



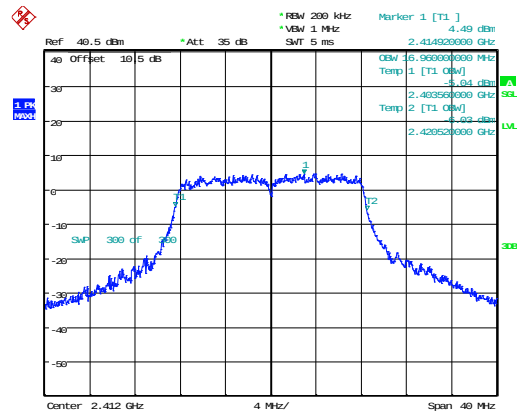
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:27:11

802.11b_2462MHz



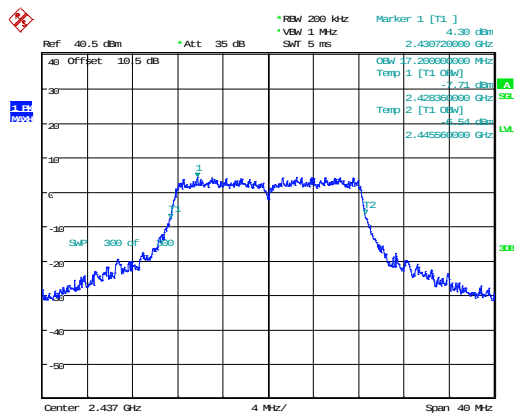
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:31:06

802.11g_2412MHz



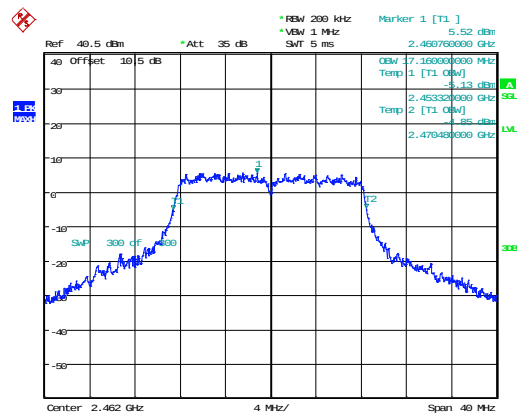
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:35:55

802.11g_2437MHz



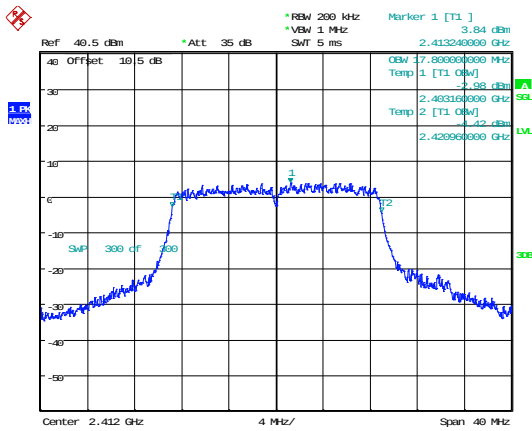
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:41:51

802.11g_2462MHz



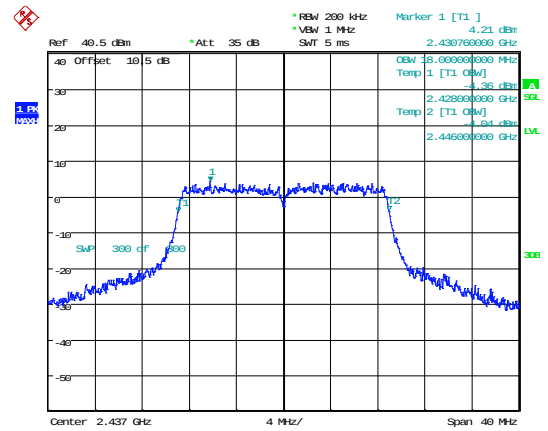
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:47:22

802.11n20_2412MHz



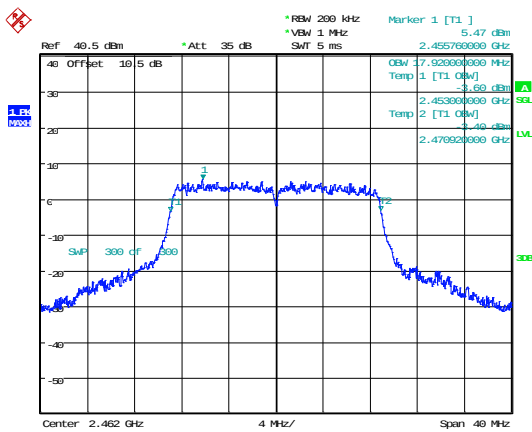
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:52:54

802.11n20_2437MHz



ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:57:18

802.11n20_2462MHz



ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 14:01:19

Maximum Conducted Output Power

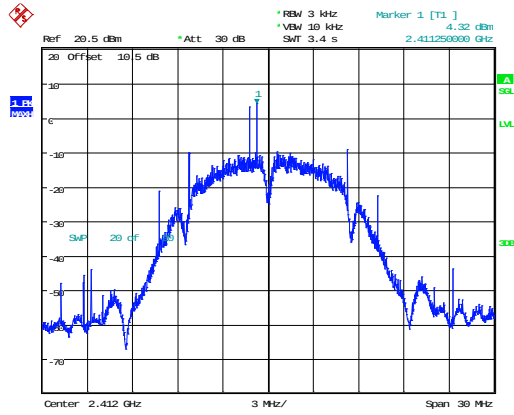
Mode	Test Frequency (MHz)	Peak Output Power(dBm)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11b	2412	20.66	14.81	30	Pass
	2437	20.02	14.12	30	Pass
	2462	20.92	15.17	30	Pass
802.11g	2412	19.84	13.87	30	Pass
	2437	19.72	13.71	30	Pass
	2462	20.84	14.62	30	Pass
802.11n20	2412	19.28	13.29	30	Pass
	2437	19.45	13.47	30	Pass
	2462	20.41	14.68	30	Pass

Power Spectral Density

Mode	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	4.32	8	Pass
	2437	3.24	8	Pass
	2462	3.14	8	Pass
802.11g	2412	-10.81	8	Pass
	2437	-12.66	8	Pass
	2462	-9.87	8	Pass
802.11n20	2412	-11.95	8	Pass
	2437	-12.85	8	Pass
	2462	-10.62	8	Pass

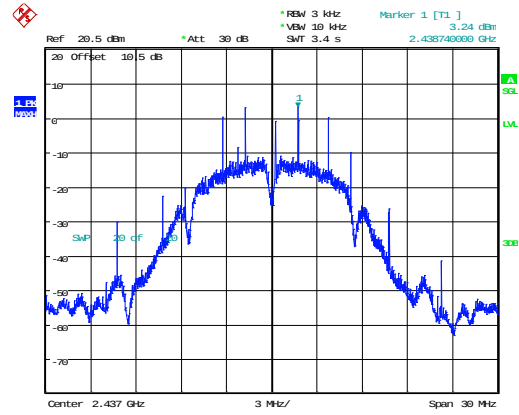
2.4G

802.11b_2412MHz



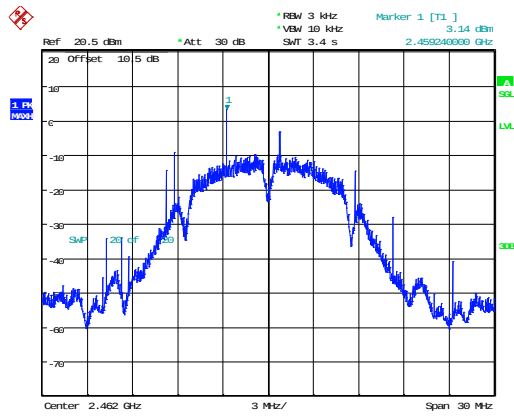
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:25:23

802.11b_2437MHz



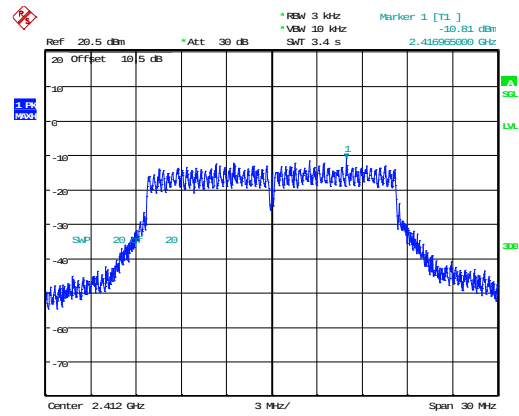
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:28:44

802.11b_2462MHz



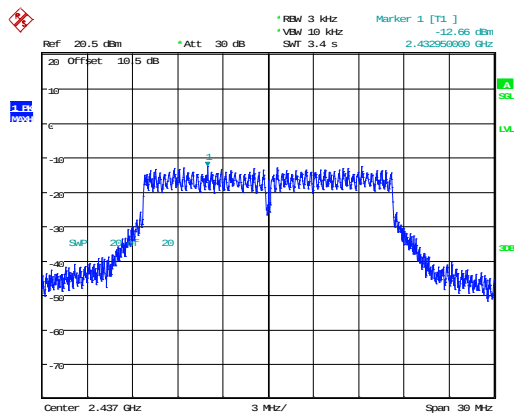
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:33:31

802.11g_2412MHz



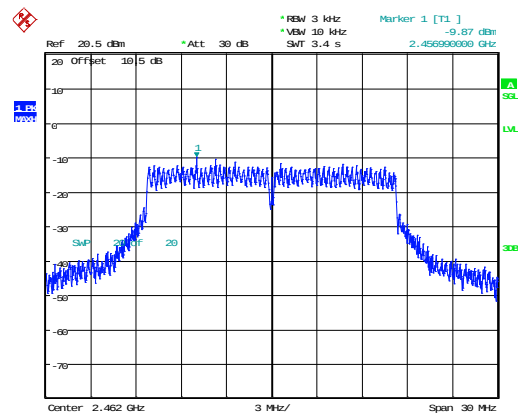
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:38:19

802.11g_2437MHz



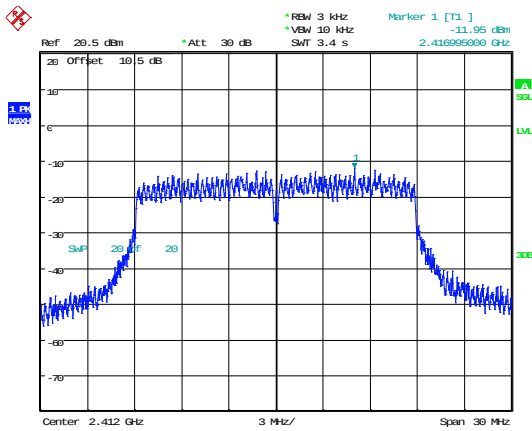
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:43:22

802.11g_2462MHz



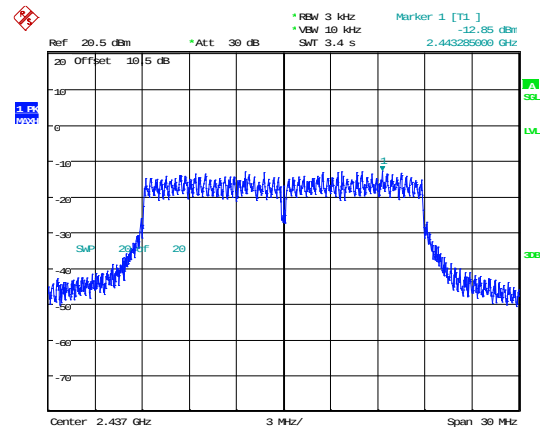
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:49:47

802.11n20_2412MHz



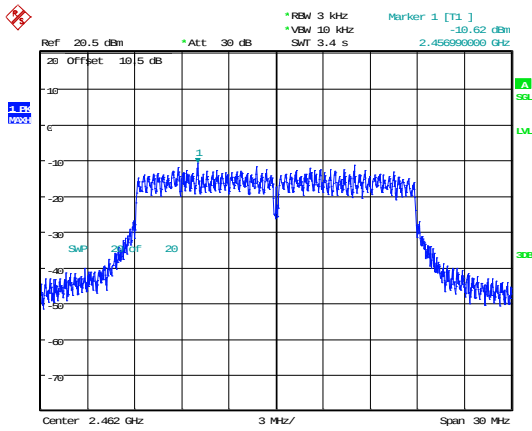
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:55:19

802.11n20_2437MHz



ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:58:50

802.11n20_2462MHz



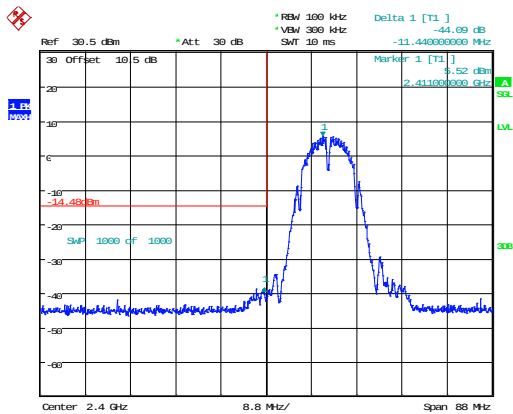
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 14:03:42

100 kHz Bandwidth of Frequency Band Edge

Mode	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	2412	44.09	20	Pass
	2462	48.31	20	Pass
802.11g	2412	31.28	20	Pass
	2462	40.73	20	Pass
802.11n20	2412	31.82	20	Pass
	2462	40.14	20	Pass

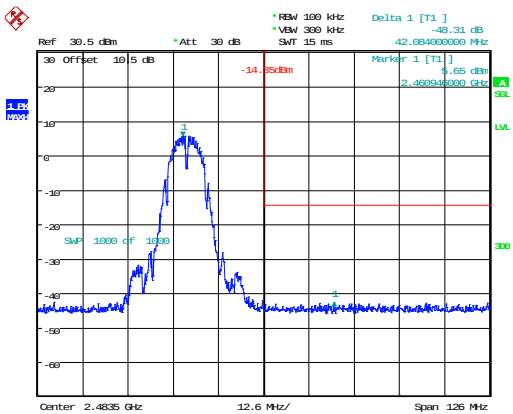
2.4G

802.11b_2412MHz



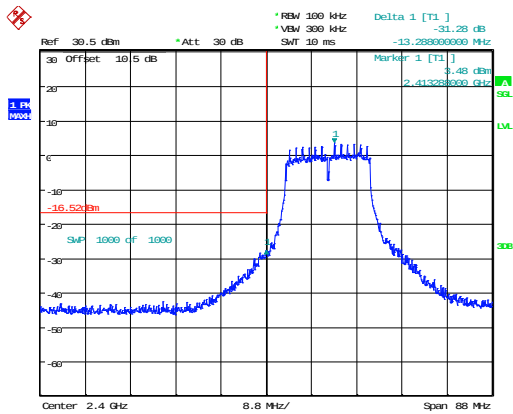
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:24:05

802.11b_2462MHz



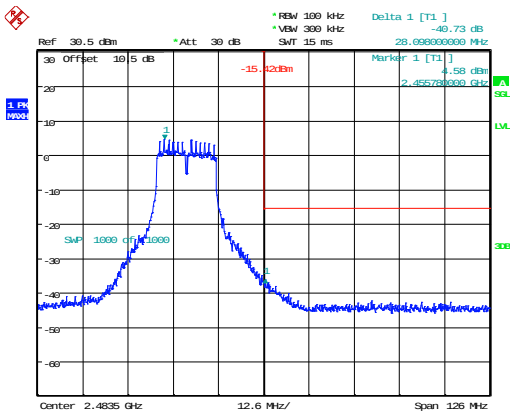
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:32:14

802.11g_2412MHz



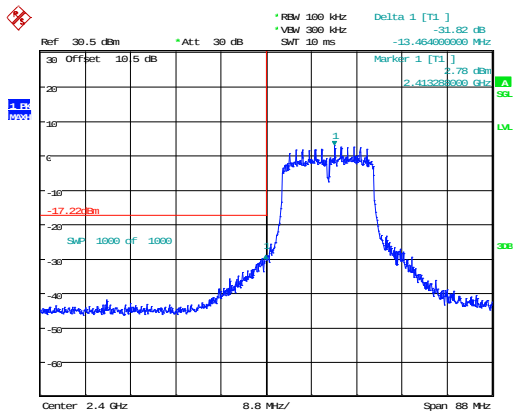
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:37:01

802.11g_2462MHz



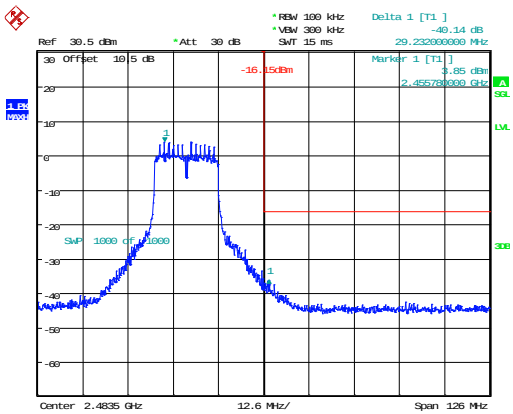
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:48:29

802.11n20_2412MHz



ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:54:01

802.11n20_2462MHz



ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 14:02:25

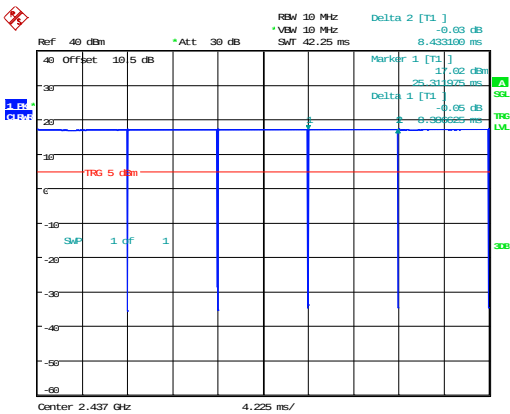
Duty Cycle

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	2437	8.387	8.433	99.45	/	/	0.010
802.11g	2437	1.392	1.428	97.48	0.11	718	1
802.11n20	2437	1.299	1.344	96.65	0.15	770	1

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

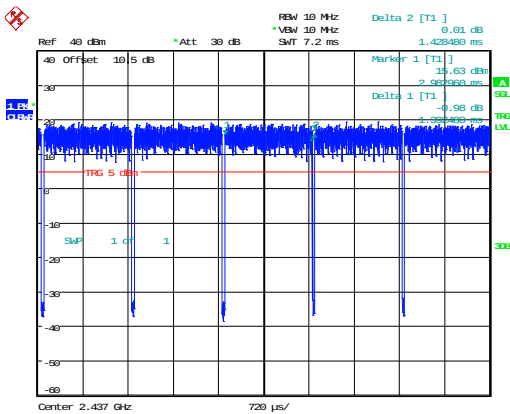
2.4G

802.11b_2437MHz



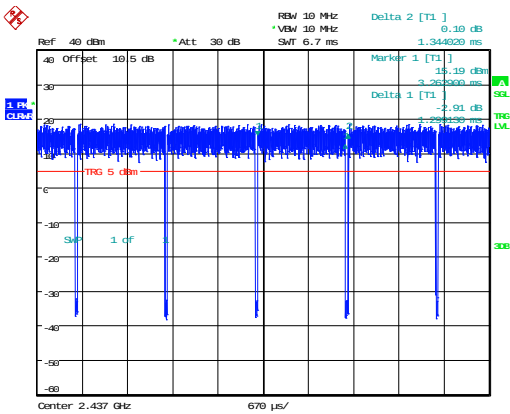
ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:17:26

802.11g_2437MHz



ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:18:31

802.11n20_2437MHz



ProjectNo.:2503S14680E-RF Tester:Chin Qin
Date: 3.MAY.2025 13:19:46