

Test Information:

Sample No.:	2V5Y-1	Test Date:	2024/12/04
Test Site:	RF	Test Mode:	Transmitting
Tester:	Chin Qin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	25.9	Relative Humidity: (%)	52	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
Anritsu	Pulse Power Sensor	MA2411A	10780	2024/08/03	2025/08/02
Anritsu	Power Meter	ML2495A	1106009	2024/08/03	2025/08/02
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

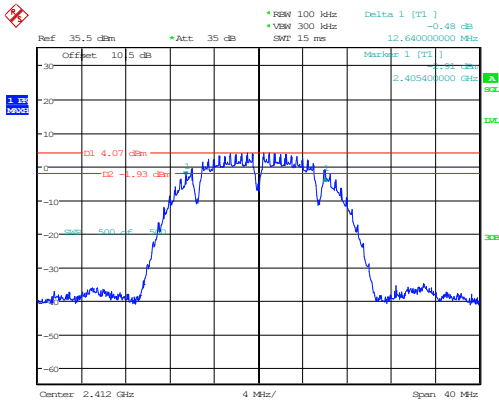
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

6dB Emission Bandwidth

Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	Chain 0	2412	12.640	≥ 0.5	Pass
		2437	12.600	≥ 0.5	Pass
		2462	12.640	≥ 0.5	Pass
802.11g	Chain 0	2412	16.160	≥ 0.5	Pass
		2437	15.760	≥ 0.5	Pass
		2462	15.760	≥ 0.5	Pass
802.11n20	Chain 0	2412	15.120	≥ 0.5	Pass
		2437	15.120	≥ 0.5	Pass
		2462	15.160	≥ 0.5	Pass
802.11n40	Chain 0	2422	35.280	≥ 0.5	Pass
		2437	35.280	≥ 0.5	Pass
		2452	35.200	≥ 0.5	Pass

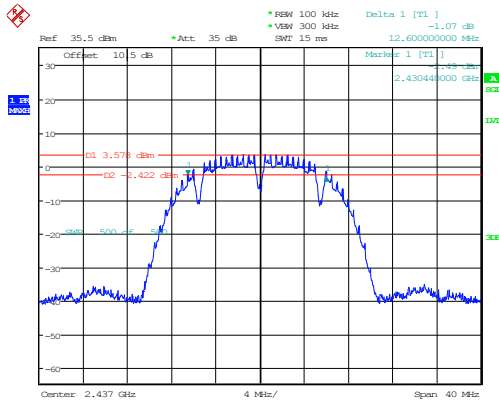
2.4G

802.11b_2412MHz 12.640MHz



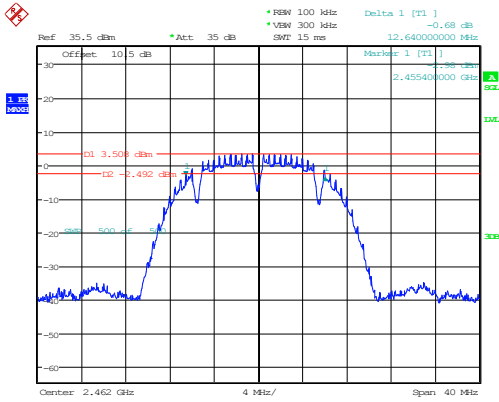
ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.EBC.2024 20:28:29

802.11b_2437MHz 12.600MHz



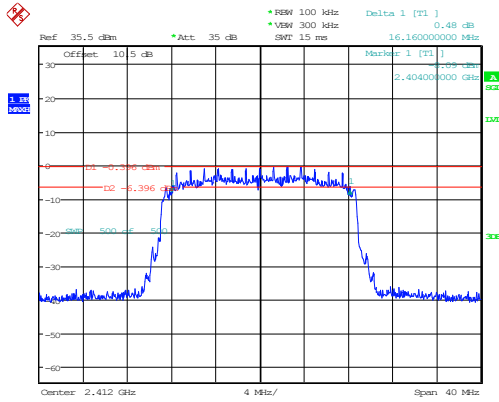
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Date: 4.EBC.2024 20:32:59

802.11b_2462MHz 12.640MHz



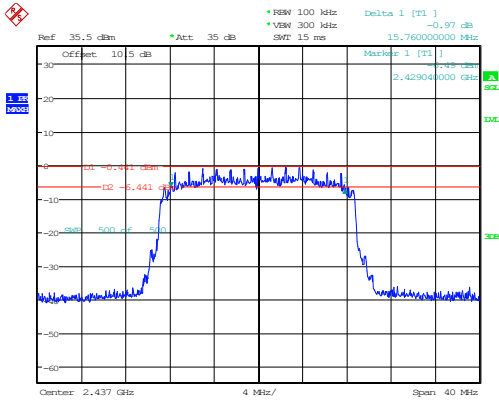
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Date: 4.EBC.2024 20:39:20

802.11g_2412MHz 16.160MHz



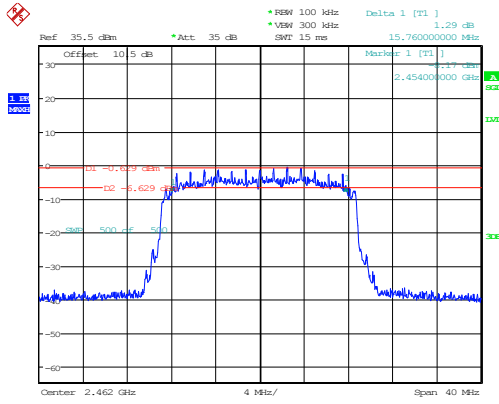
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802.11g_2437MHz 15.760MHz



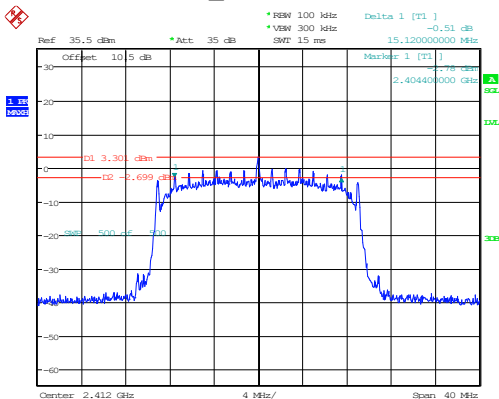
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802.11g_2462MHz 15.760MHz



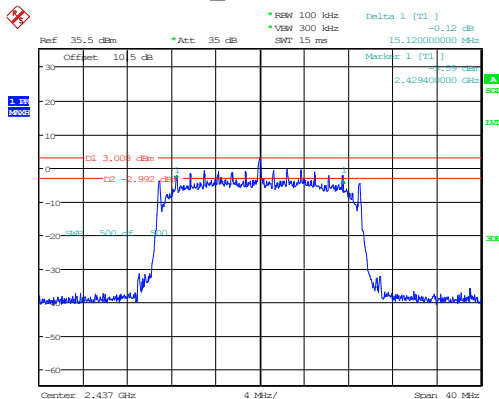
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Date: 4.EBC.2024 21:06:29

802.11n20_2412MHz 15.120MHz



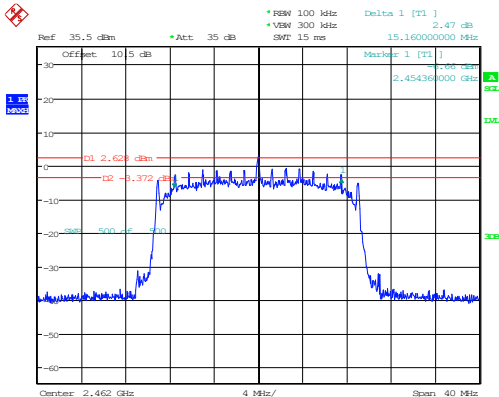
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802.11n20_2437MHz 15.120MHz



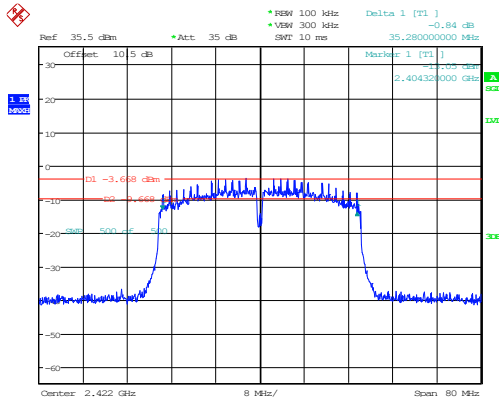
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Date: 4.DEC.2024 21:14:50

802.11n20_2462MHz 15.160MHz



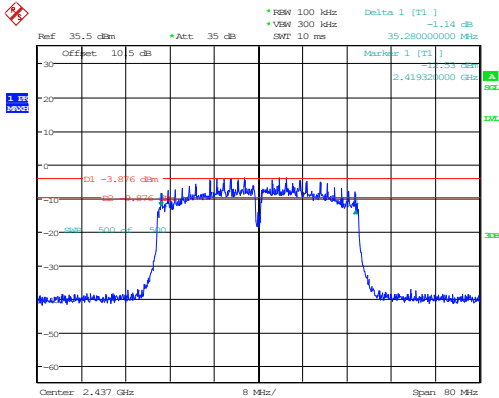
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Date: 4.DEC.2024 21:17:55

802.11n40_2422MHz 35.280MHz



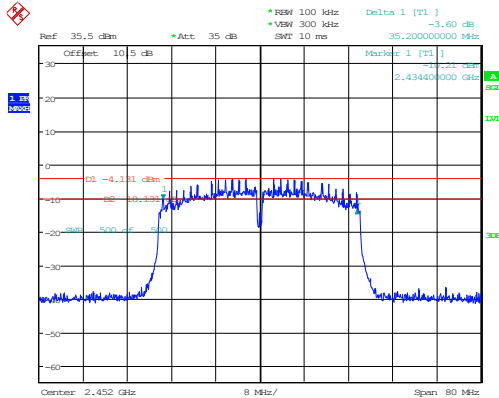
ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.DEC.2024 21:21:52

802.11n40_2437MHz 35.280MHz



ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.DEC.2024 21:30:46

802.11n40_2452MHz 35.200MHz



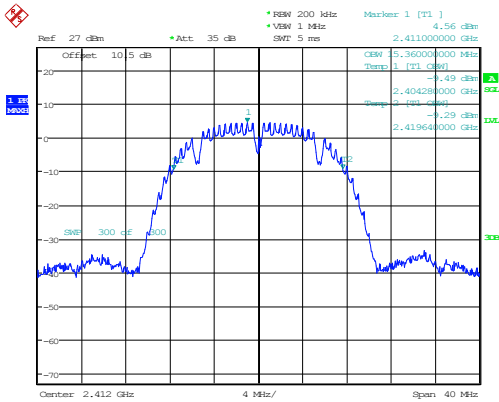
ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.DEC.2024 21:35:41

99% Occupied Bandwidth

Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11b	Chain 0	2412	15.360
		2437	15.400
		2462	15.400
802.11g	Chain 0	2412	17.360
		2437	17.400
		2462	17.400
802.11n20	Chain 0	2412	18.320
		2437	18.280
		2462	18.280
802.11n40	Chain 0	2422	35.840
		2437	35.920
		2452	35.920

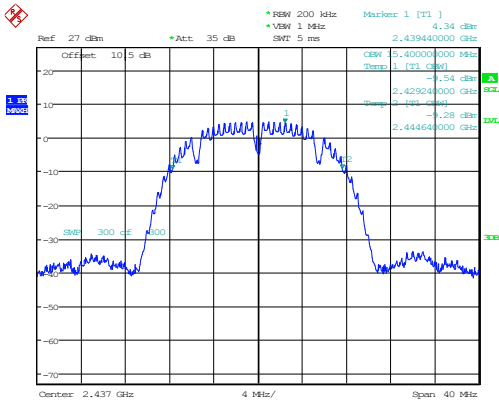
2.4G

802.11b_2412MHz 15.360MHz



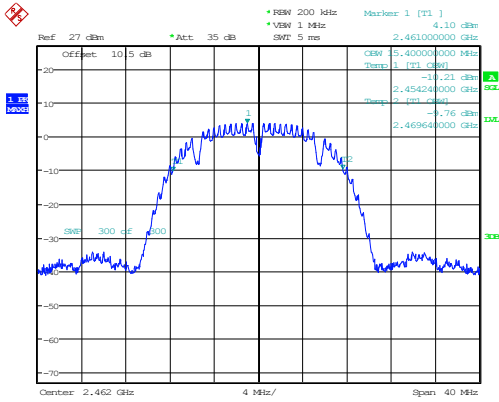
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Date: 4.EBC.2024 20:29:14

802.11b_2437MHz 15.400MHz



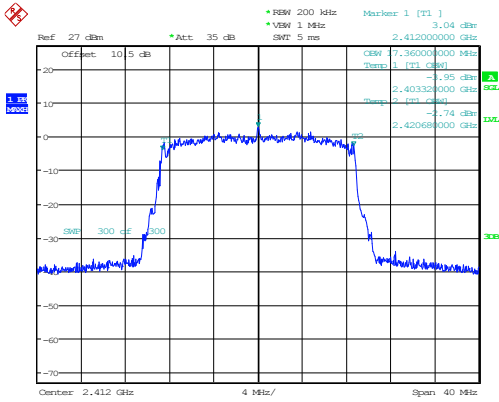
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Date: 4.EBC.2024 20:36:42

802.11b_2462MHz 15.400MHz



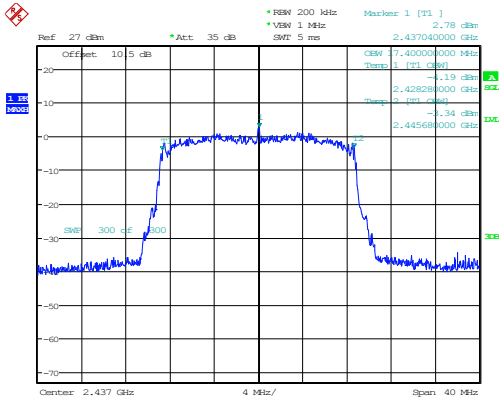
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802.11g_2412MHz 17.360MHz



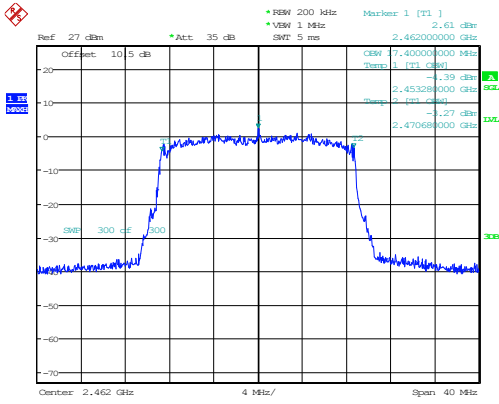
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802.11g_2437MHz 17.400MHz



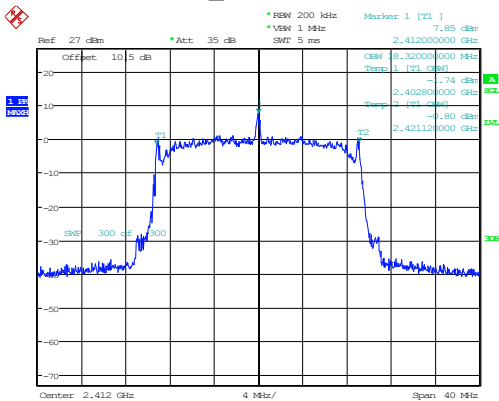
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Date: 4.EBC.2024 21:04:02

802.11g_2462MHz 17.400MHz



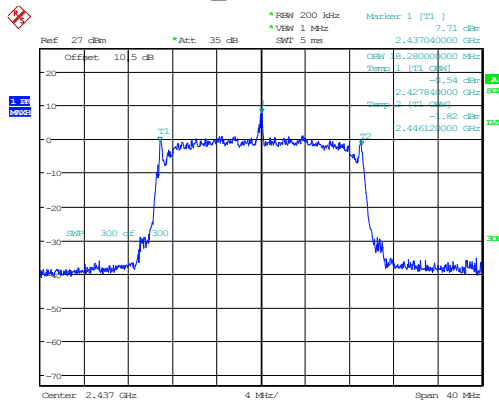
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Date: 4.EBC.2024 21:07:20

802.11n20_2412MHz 18.320MHz



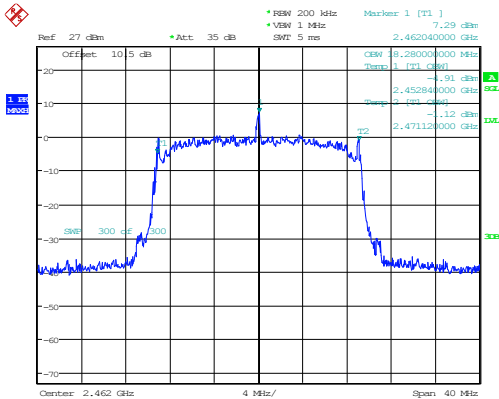
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Date: 4.DEC.2024 21:11:32

802.11n20_2437MHz 18.280MHz



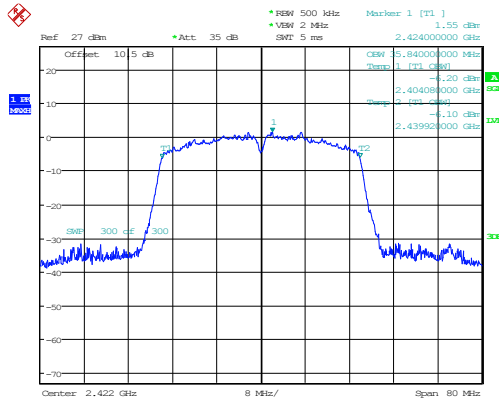
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802.11n20_2462MHz 18.280MHz



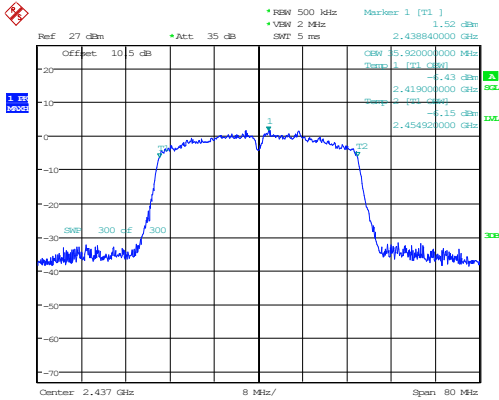
ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.DEC.2024 21:18:47

802.11n40_2422MHz 35.840MHz



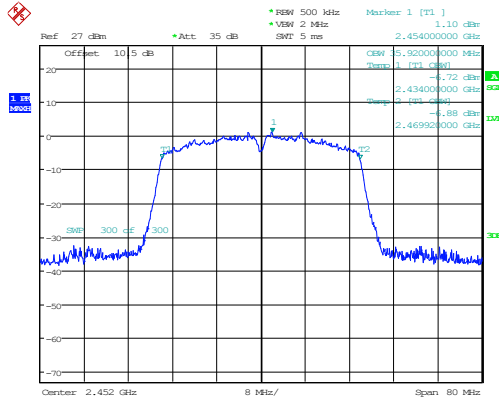
ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.DEC.2024 21:22:25

802.11n40_2437MHz 35.920MHz



ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.DEC.2024 21:32:29

802.11n40_2452MHz 35.920MHz



ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.DEC.2024 21:36:41

Maximum Conducted Output Power

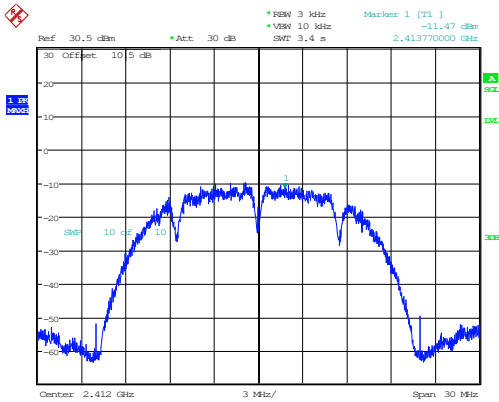
Mode	Antenna	Test Frequency (MHz)	Peak Output Power(dBm)	Limit (dBm)	Verdict
802.11b	Chain 0	2412	17.12	30	Pass
		2437	17.13	30	Pass
		2462	16.93	30	Pass
802.11g	Chain 0	2412	18.88	30	Pass
		2437	18.71	30	Pass
		2462	18.55	30	Pass
802.11n20	Chain 0	2412	18.72	30	Pass
		2437	18.81	30	Pass
		2462	18.52	30	Pass
802.11n40	Chain 0	2422	17.58	30	Pass
		2437	17.15	30	Pass
		2452	16.93	30	Pass

Power Spectral Density

Mode	Antenna	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	Chain 0	2412	-11.47	8	Pass
		2437	-10.17	8	Pass
		2462	-10.95	8	Pass
802.11g	Chain 0	2412	-14.81	8	Pass
		2437	-13.48	8	Pass
		2462	-14.29	8	Pass
802.11n20	Chain 0	2412	-13.45	8	Pass
		2437	-13.86	8	Pass
		2462	-14.05	8	Pass
802.11n40	Chain 0	2422	-17.98	8	Pass
		2437	-17.58	8	Pass
		2452	-18.46	8	Pass

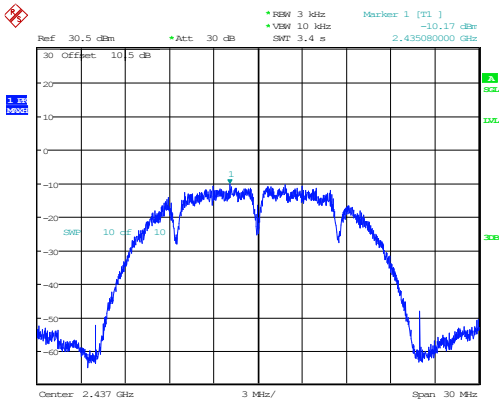
2.4G

802.11b_2412MHz -11.47dBm/3kHz



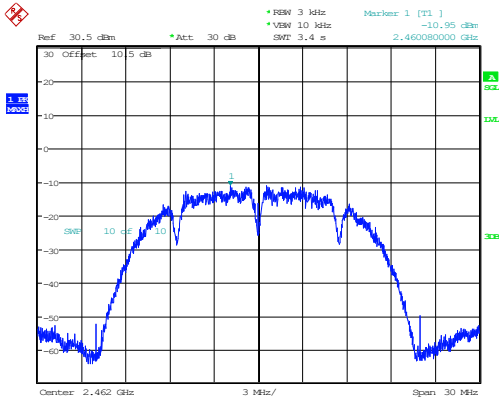
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Date: 4.DEC.2024 20:31:52

802.11b_2437MHz -10.17dBm/3kHz



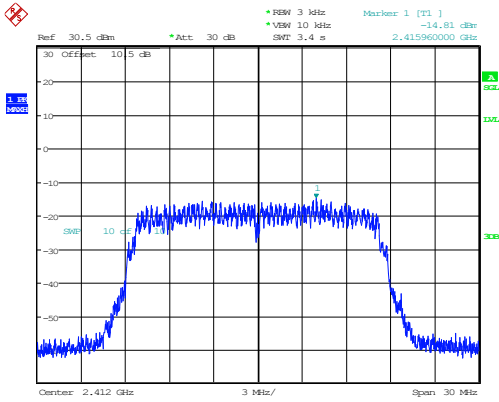
ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.DEC.2024 20:37:58

802.11b_2462MHz -10.95dBm/3kHz



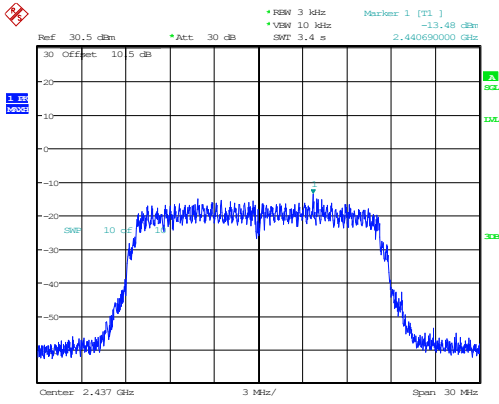
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Date: 4.DEC.2024 20:42:21

802.11g_2412MHz -14.81dBm/3kHz



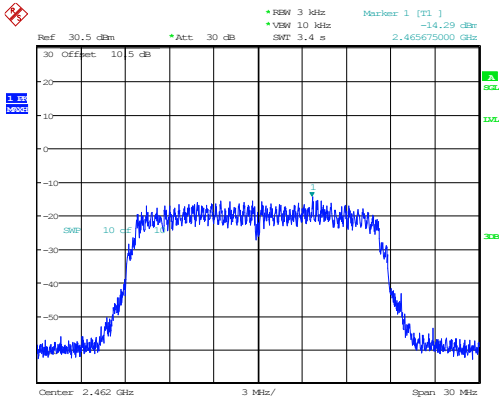
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Date: 4.DEC.2024 21:02:16

802.11g_2437MHz -13.48dBm/3kHz



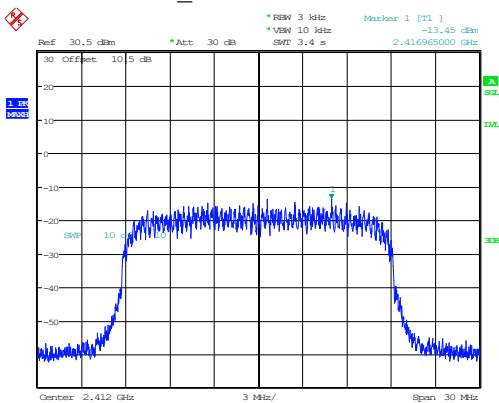
ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.DEC.2024 21:04:59

802.11g_2462MHz -14.29dBm/3kHz



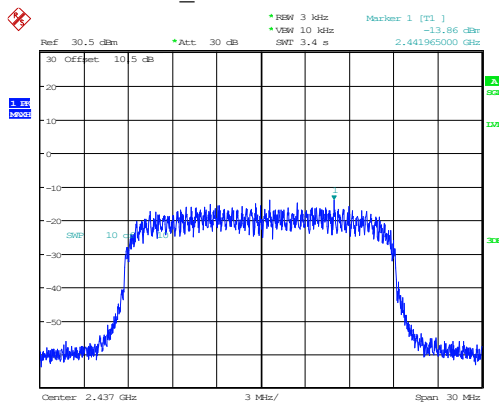
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Date: 4.DEC.2024 21:09:26

802.11n20_2412MHz -13.45dBm/3kHz



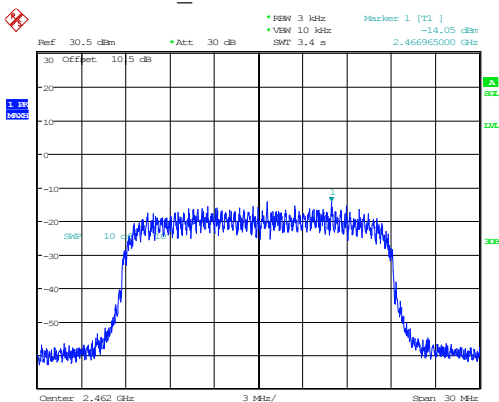
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Date: 4.DEC.2024 21:13:41

802.11n20_2437MHz -13.86dBm/3kHz



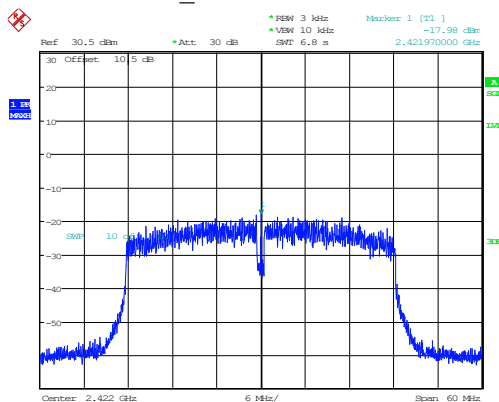
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802.11n20_2462MHz -14.05dBm/3kHz



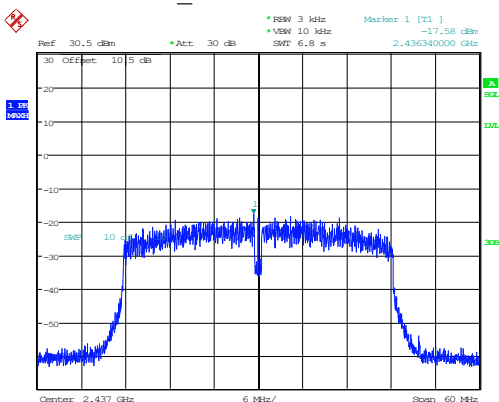
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Date: 4.DEC.2024 21:20:54

802.11n40_2422MHz -17.98dBm/3kHz



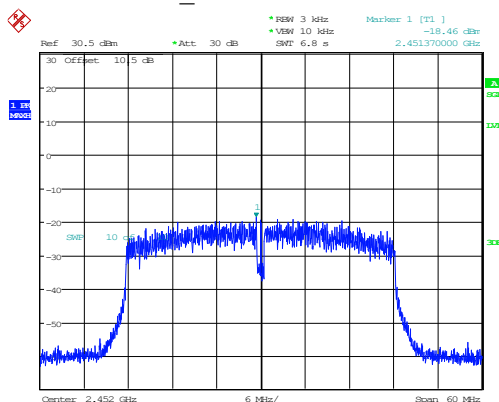
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Date: 4.DEC.2024 21:25:09

802.11n40_2437MHz -17.58dBm/3kHz



ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.DEC.2024 21:34:43

802.11n40_2452MHz -18.46dBm/3kHz



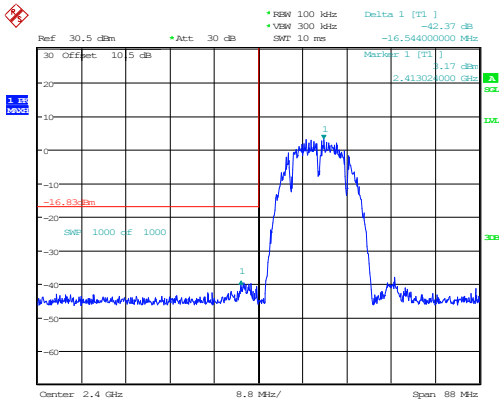
ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.DEC.2024 21:39:23

100 kHz Bandwidth of Frequency Band Edge

Mode	Antenna	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	Chain 0	2412	42.37	20	Pass
		2462	45.30	20	Pass
802.11g	Chain 0	2412	38.97	20	Pass
		2462	40.76	20	Pass
802.11n20	Chain 0	2412	43.41	20	Pass
		2462	44.48	20	Pass
802.11n40	Chain 0	2422	35.66	20	Pass
		2452	36.18	20	Pass

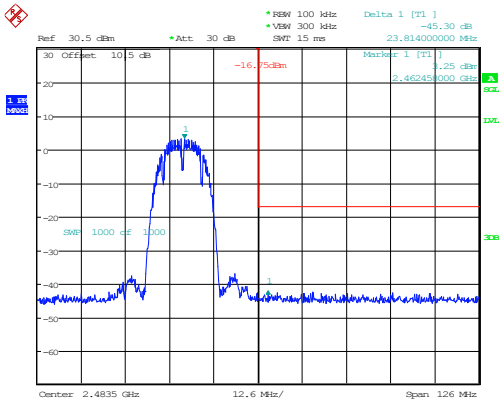
2.4G

802.11b_2412MHz



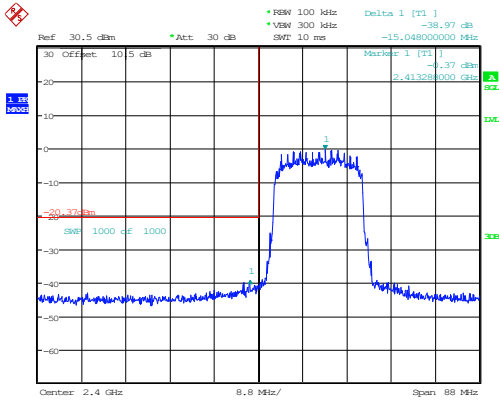
ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.EBC.2024 20:30:47

802.11b_2462MHz



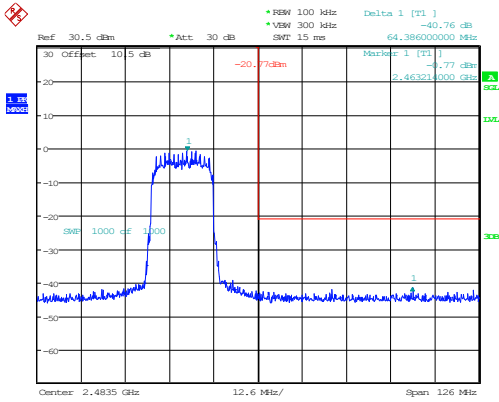
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Date: 4.EBC.2024 20:41:39

802.11g_2412MHz



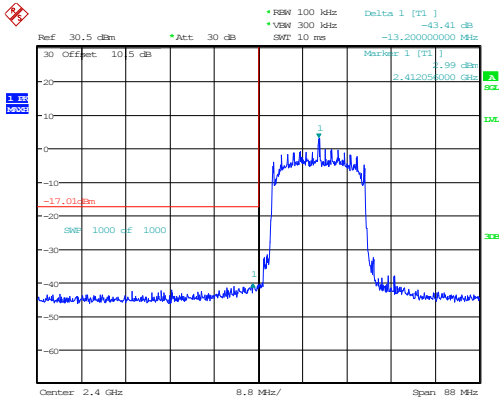
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Date: 4.EBC.2024 21:01:34

802.11g_2462MHz



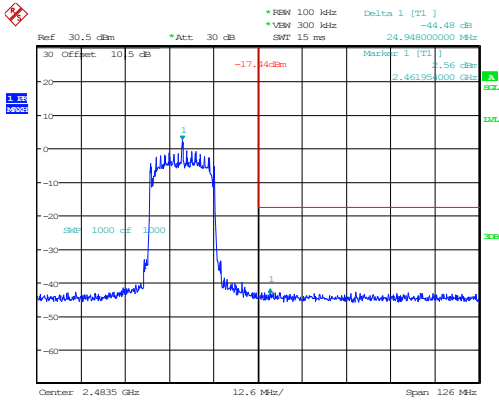
ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.EBC.2024 21:08:43

802.11n20_2412MHz

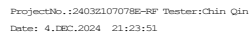


ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.EBC.2024 21:12:58

802.11n20_2462MHz



ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.EBC.2024 21:20:12



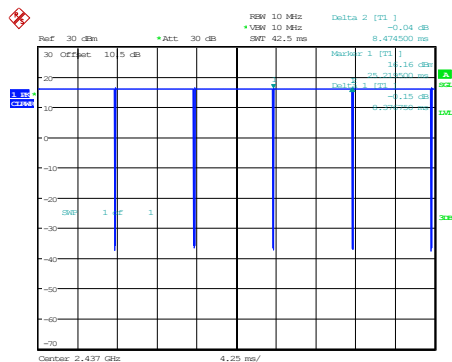
Duty Cycle

Mode	Antenna	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	Chain 0	2437	8.377	8.475	98.84	/	/	0.010
802.11g	Chain 0	2437	1.391	1.410	98.65	/	/	0.010
802.11n20	Chain 0	2437	1.299	1.317	98.63	/	/	0.010
802.11n40	Chain 0	2437	0.643	0.655	98.17	/	/	0.010

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

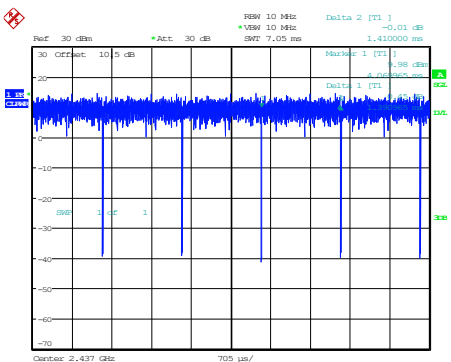
2.4G

802.11b_2437MHz
8.377ms,8.475ms



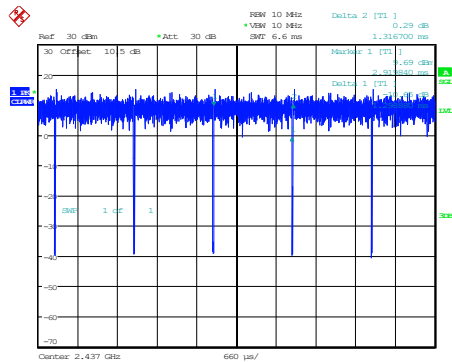
ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.FEB.2024 20:10:14

802.11g_2437MHz
1.391ms,1.410ms



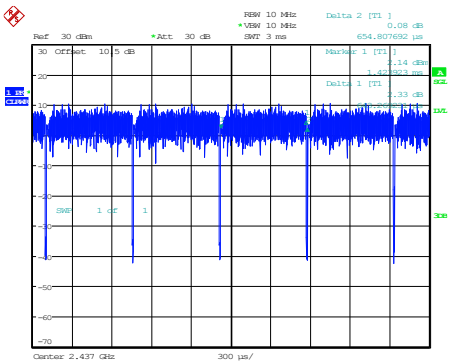
ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.FEB.2024 20:11:04

802.11n20_2437MHz
1.299ms,1.317ms



ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.FEB.2024 20:11:36

802.11n40_2437MHz
0.643ms,0.655ms



ProjectNo.:2403Z107078E-RF Tester:Chin Qin
Date: 4.FEB.2024 20:13:23

*****END*****