

FCC Part 15.247

Test Information:

Serial No.:	2FUQ-1	Test Date:	2024/01/02~2024/01/15
Test Site:	RF	Test Mode:	Transmitting
Tester:	Chin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.5-24	Relative Humidity: (%)	52-56	ATM Pressure: (kPa)	101.3-101.5
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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	2023/03/31	2024/03/30
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

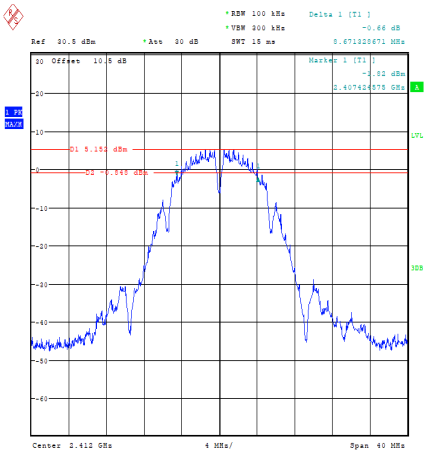
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

6dB Emission Bandwidth

Mode	Value (MHz)	Limit (MHz)	Result
b_2412MHz_Chain 0	8.671	0.5	Pass
b_2437MHz_Chain 0	8.671	0.5	Pass
b_2462MHz_Chain 0	8.631	0.5	Pass
g_2412MHz_Chain 0	16.184	0.5	Pass
g_2437MHz_Chain 0	16.424	0.5	Pass
g_2462MHz_Chain 0	15.664	0.5	Pass
n20_2412MHz_Chain 0	16.144	0.5	Pass
n20_2437MHz_Chain 0	17.343	0.5	Pass
n20_2462MHz_Chain 0	16.064	0.5	Pass

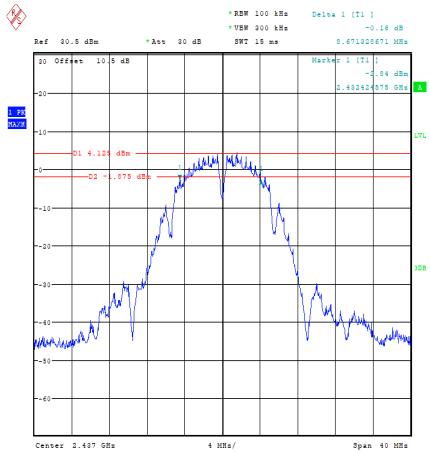
2.4G

b_2412MHz_Chain 0 8.671 MHz



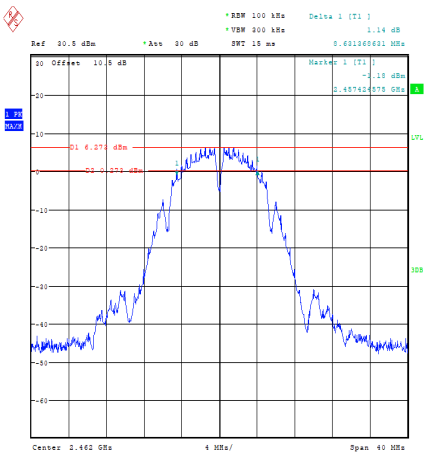
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:37:11

b_2437MHz_Chain 0 8.671 MHz



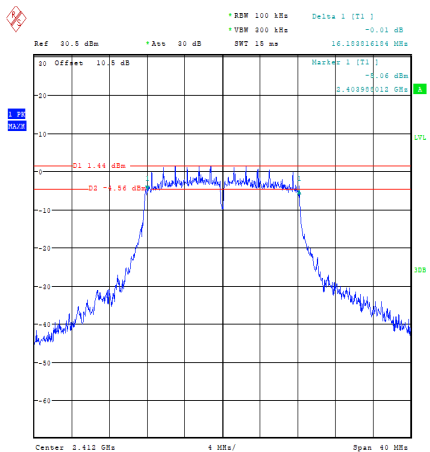
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:45:11

b_2462MHz_Chain 0 8.631 MHz



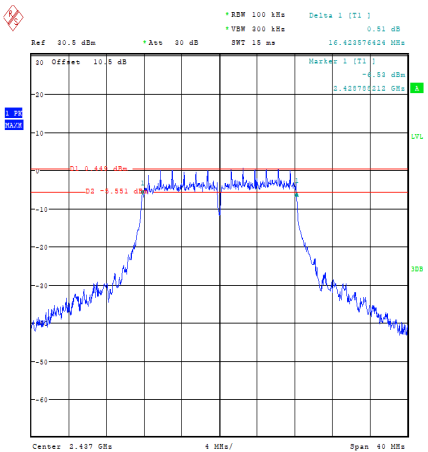
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:49:45

g_2412MHz_Chain 0 16.184 MHz



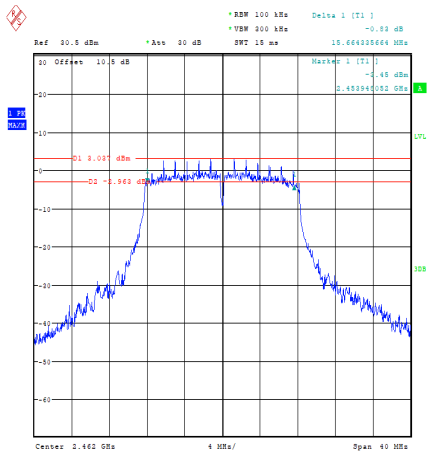
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:53:53

g_2437MHz_Chain 0 16.424 MHz



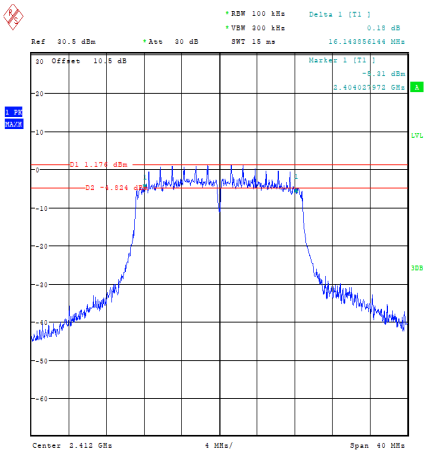
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:56:43

g_2462MHz_Chain 0 15.664 MHz



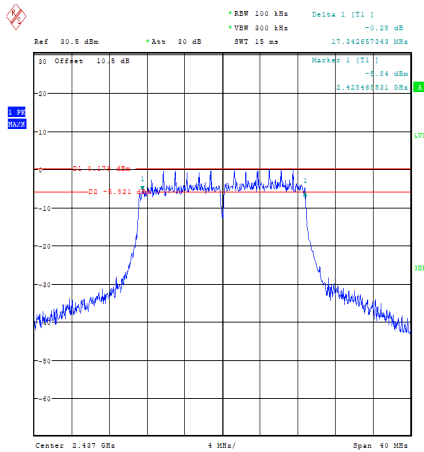
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 14:00:16

n20_2412MHz_Chain 0 16.144 MHz



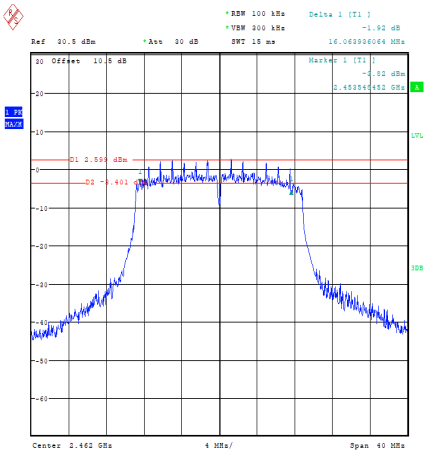
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 14:04:05

n20_2437MHz_Chain 0 17.343 MHz



ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 14:06:48

n20_2462MHz_Chain 0 16.064 MHz



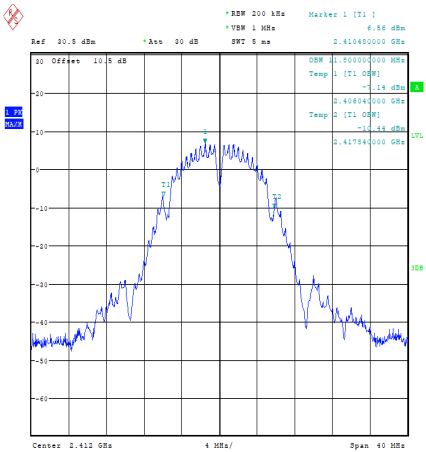
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 14:10:09

99% Occupied Bandwidth

Mode	99% OBW (MHz)
b_2412MHz_Chain 0	11.800
b_2437MHz_Chain 0	12.000
b_2462MHz_Chain 0	11.600
g_2412MHz_Chain 0	16.760
g_2437MHz_Chain 0	17.000
g_2462MHz_Chain 0	16.720
n20_2412MHz_Chain 0	17.680
n20_2437MHz_Chain 0	17.840
n20_2462MHz_Chain 0	17.600

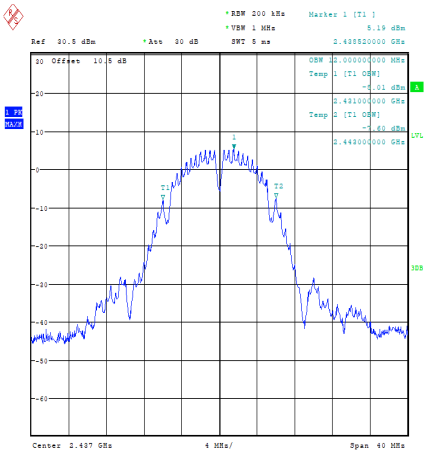
2.4G

b_2412MHz_Chain 0 11.800 MHz



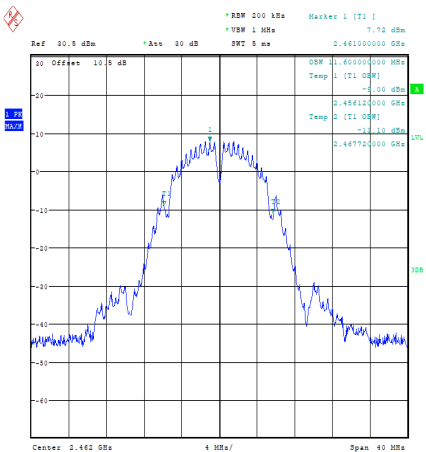
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:37:21

b_2437MHz_Chain 0 12.000 MHz



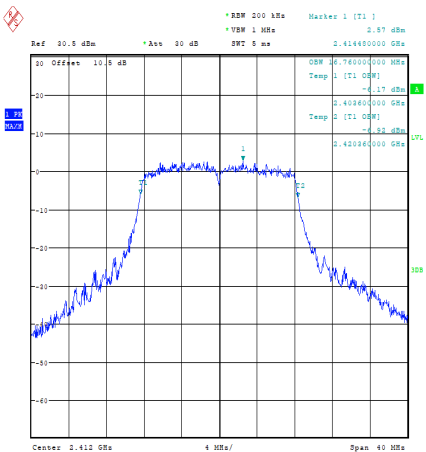
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:45:23

b_2462MHz_Chain 0 11.600 MHz



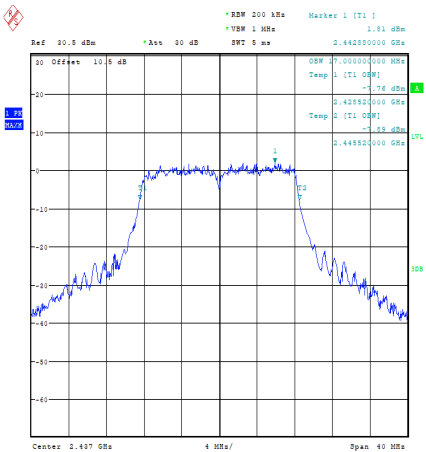
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:49:58

g_2412MHz_Chain 0 16.760 MHz



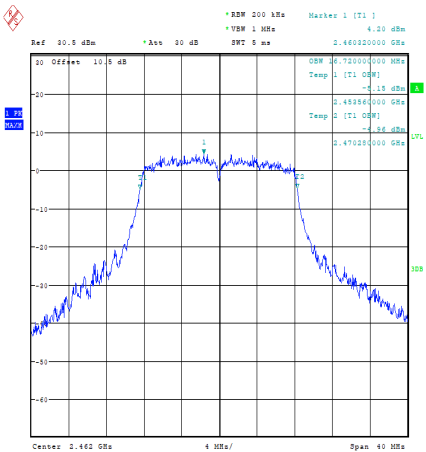
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:54:09

g_2437MHz_Chain 0 17.000 MHz



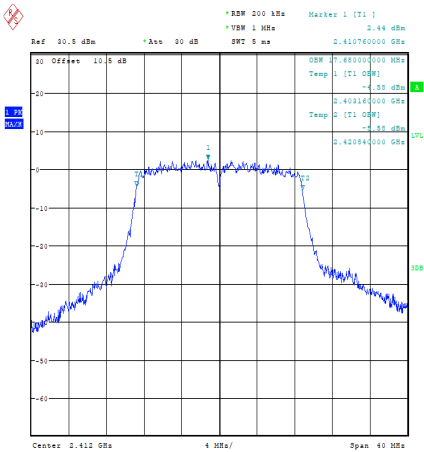
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:57:04

g_2462MHz_Chain 0 16.720 MHz



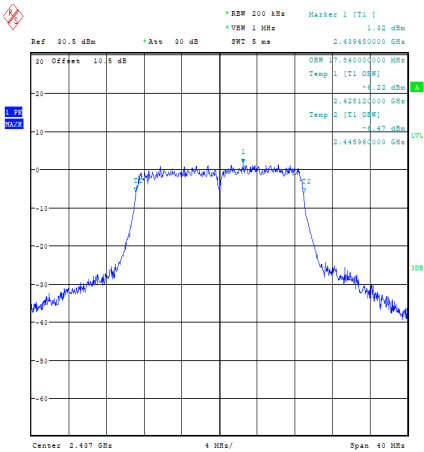
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 14:00:38

n20_2412MHz_Chain 0 17.680 MHz



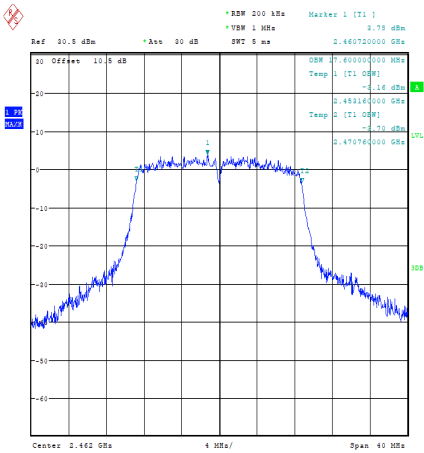
ProjectNo.:CR231278723-01 Tester:Chin
Date: 2.JUN.2024 14:04:30

n20_2437MHz_Chain 0 17.840 MHz



ProjectNo.:CR231278723-01 Tester:Chin
Date: 2.JUN.2024 14:07:06

n20_2462MHz_Chain 0 17.600 MHz



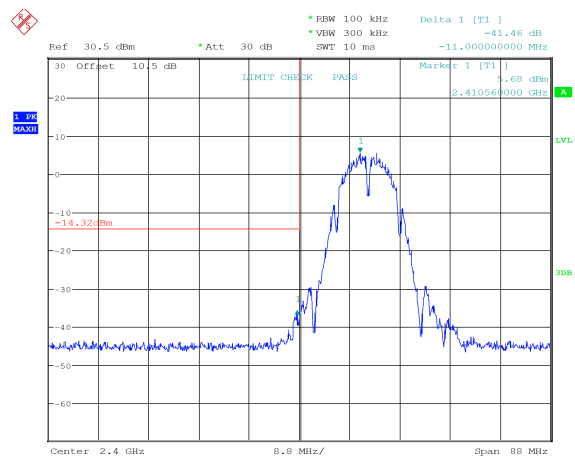
ProjectNo.:CR231278723-01 Tester:Chin
Date: 2.JUN.2024 14:10:27

100 kHz Bandwidth of Frequency Band Edge

Mode	Value (dB)	Limit (dB)	Result
b_2412MHz_Chain 0	41.46	20.00	Pass
b_2462MHz_Chain 0	49.13	20.00	Pass
g_2412MHz_Chain 0	32.29	20.00	Pass
g_2462MHz_Chain 0	44.46	20.00	Pass
n20_2412MHz_Chain 0	34.50	20.00	Pass
n20_2462MHz_Chain 0	43.75	20.00	Pass

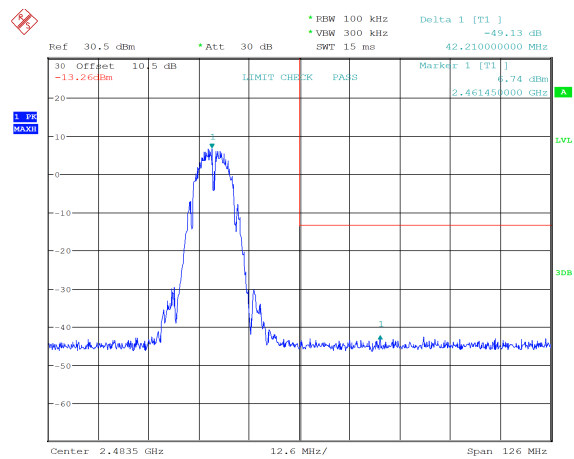
2.4G

b_2412MHz_Chain 0 41.46 dB



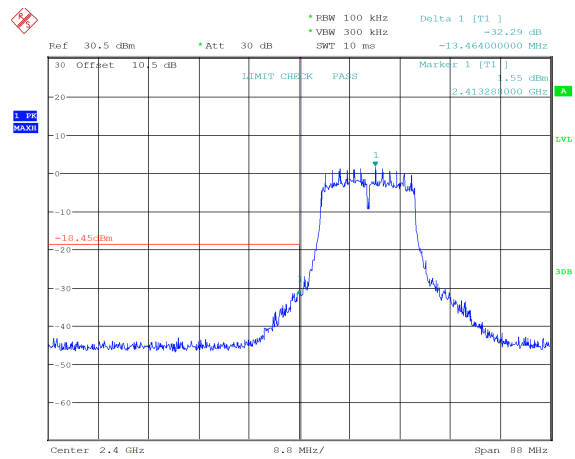
ProjectNo.:CR231278723-RF Tester:Chin
Date: 4.JAN.2024 16:37:15

b_2462MHz_Chain 0 49.13 dB



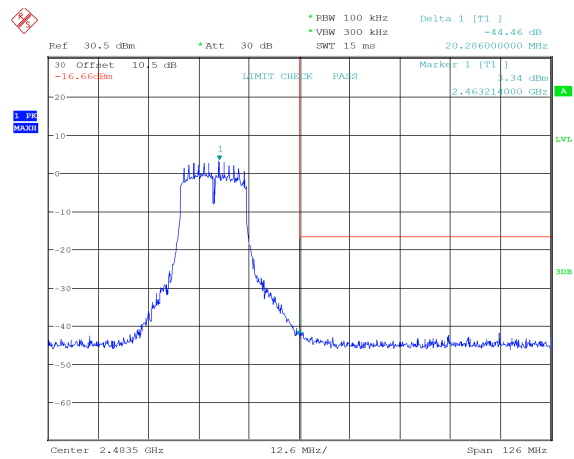
ProjectNo.:CR231278723-RF Tester:Chin
Date: 4.JAN.2024 16:38:40

g_2412MHz_Chain 0 32.29 dB



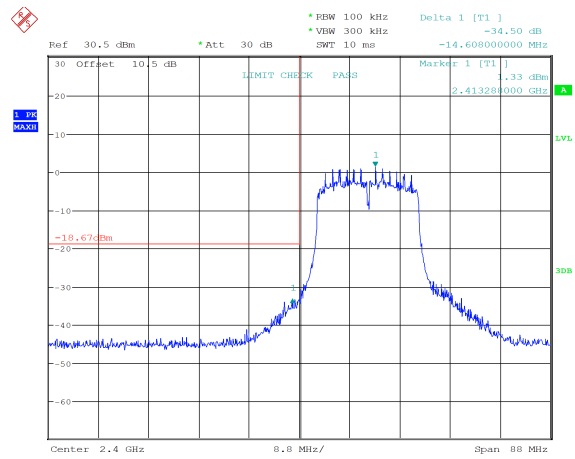
ProjectNo.:CR231278723-RF Tester:Chin
Date: 4.JAN.2024 16:40:00

g_2462MHz_Chain 0 44.46 dB



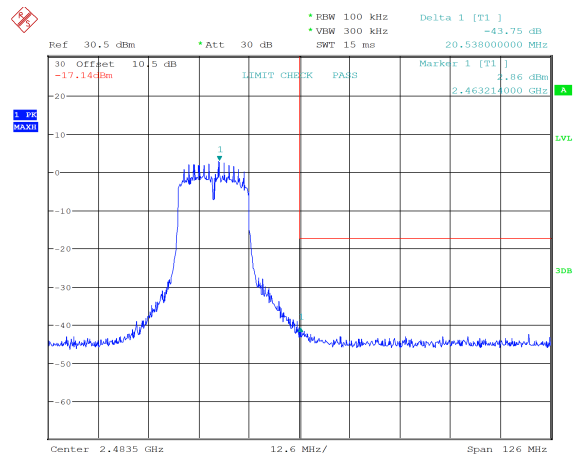
ProjectNo.:CR231278723-RF Tester:Chin
Date: 4.JAN.2024 16:41:37

n20_2412MHz_Chain 0 34.50 dB



ProjectNo.:CR231278723-RF Tester:Chin
Date: 4.JAN.2024 16:43:35

n20_2462MHz_Chain 0 43.75 dB



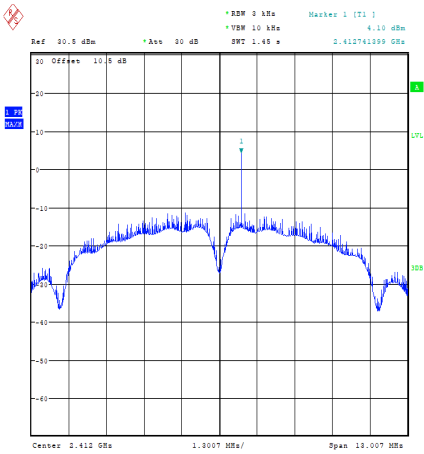
ProjectNo.:CR231278723-RF Tester:Chin
Date: 4.JAN.2024 16:45:06

Power Spectral Density

Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
b_2412MHz_Chain 0	4.10	8.00	Pass
b_2437MHz_Chain 0	2.89	8.00	Pass
b_2462MHz_Chain 0	4.13	8.00	Pass
g_2412MHz_Chain 0	-15.00	8.00	Pass
g_2437MHz_Chain 0	-15.34	8.00	Pass
g_2462MHz_Chain 0	-13.70	8.00	Pass
n20_2412MHz_Chain 0	-15.11	8.00	Pass
n20_2437MHz_Chain 0	-15.08	8.00	Pass
n20_2462MHz_Chain 0	-13.77	8.00	Pass

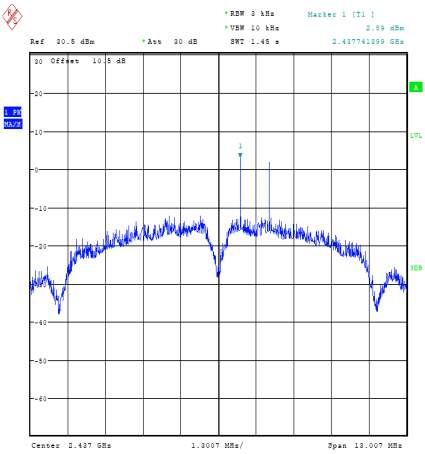
2.4G

b_2412MHz_Chain 0 4.10 dBm/3kHz



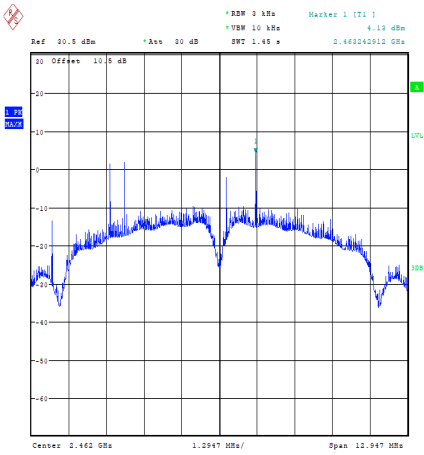
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:44:29

b_2437MHz_Chain 0 2.89 dBm/3kHz



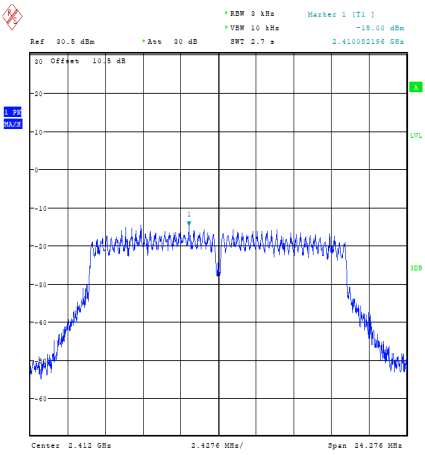
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:48:13

b_2462MHz_Chain 0 4.13 dBm/3kHz



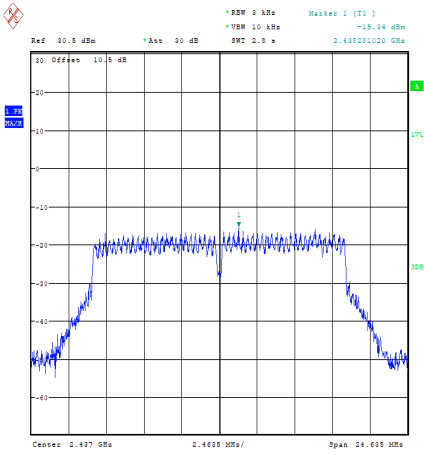
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:52:04

g_2412MHz_Chain 0 -15.00 dBm/3kHz



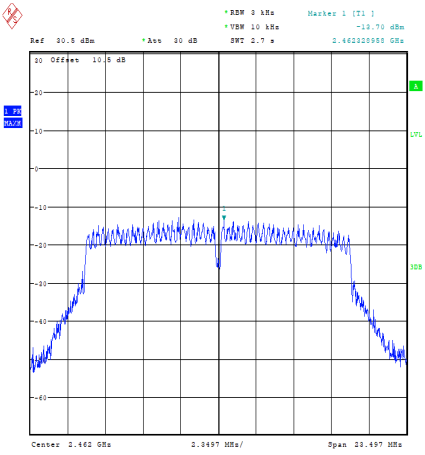
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:56:00

g_2437MHz_Chain 0 -15.34 dBm/3kHz



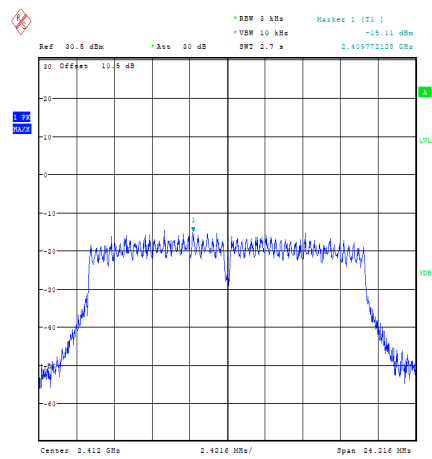
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 13:58:34

g_2462MHz_Chain 0 -13.70 dBm/3kHz



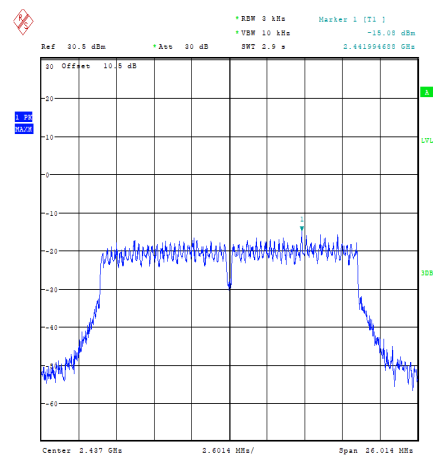
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 14:02:18

n20_2412MHz_Chain 0 -15.11 dBm/3kHz



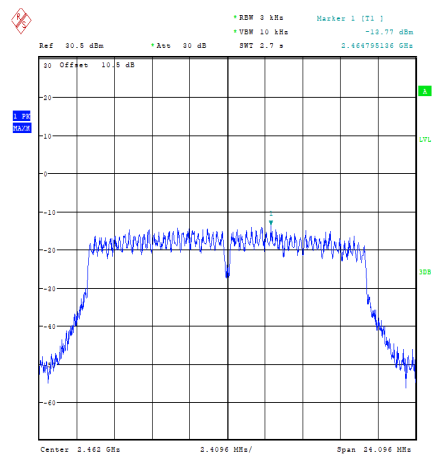
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 14:06:14

n20_2437MHz_Chain 0 -15.08 dBm/3kHz



ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 14:08:39

n20_2462MHz_Chain 0 -13.77 dBm/3kHz



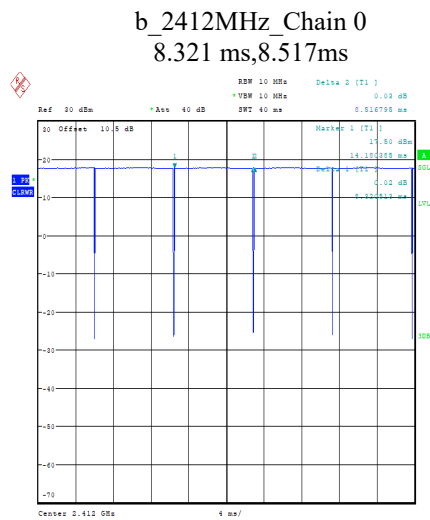
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JUN.2024 14:11:56

Duty Cycle

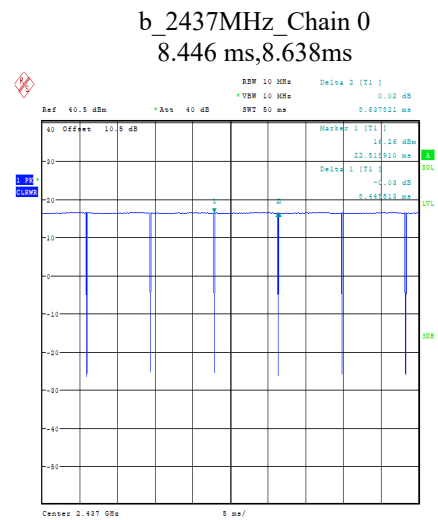
Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	1/Ton (Hz)	VBW Setting (kHz)
b_2412MHz_Chain 0	8.321	8.517	97.70	0.1	120	0.2
b_2437MHz_Chain 0	8.446	8.638	97.78	0.1	118	0.2
b_2462MHz_Chain 0	8.458	8.618	98.14	/	/	0.01
g_2412MHz_Chain 0	1.405	1.429	98.32	/	/	0.01
g_2437MHz_Chain 0	1.396	1.452	96.14	0.17	716	1
g_2462MHz_Chain 0	1.417	1.433	98.88	/	/	0.01
n20_2412MHz_Chain 0	1.306	1.346	97.03	0.13	766	1
n20_2437MHz_Chain 0	1.314	1.338	98.21	/	/	0.01
n20_2462MHz_Chain 0	1.314	1.338	98.21	/	/	0.01

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

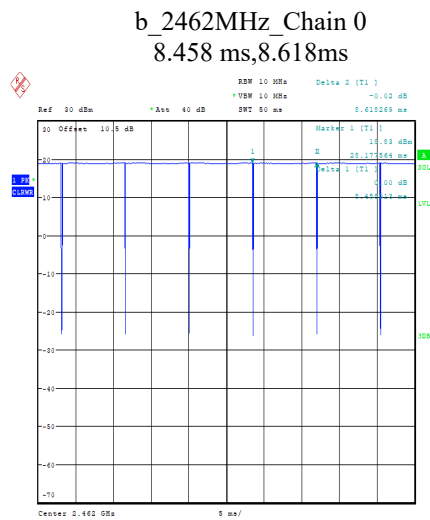
2.4G



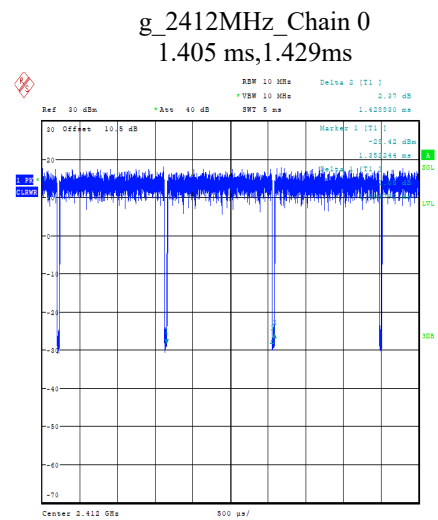
ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JAN.2024 13:44:16



ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JAN.2024 15:47:26

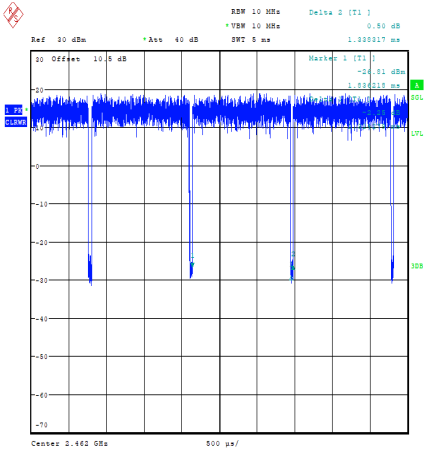


ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JAN.2024 13:51:42



ProjectNo.:CR231278723-RF Tester:Chin
Date: 2.JAN.2024 13:55:47

n20_2462MHz_Chain 0
1.314 ms,1.338ms



ProjectNo.:CR231278723-01
Date: 2023.12.04 14:11:55