

FCC Part 15.247

Test Information:

Serial No.:	2H1J-1	Test Date:	2024/02/07
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.6	Relative Humidity: (%)	49	ATM Pressure: (kPa)	101.2
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	100147	2023/03/31	2024/03/30
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

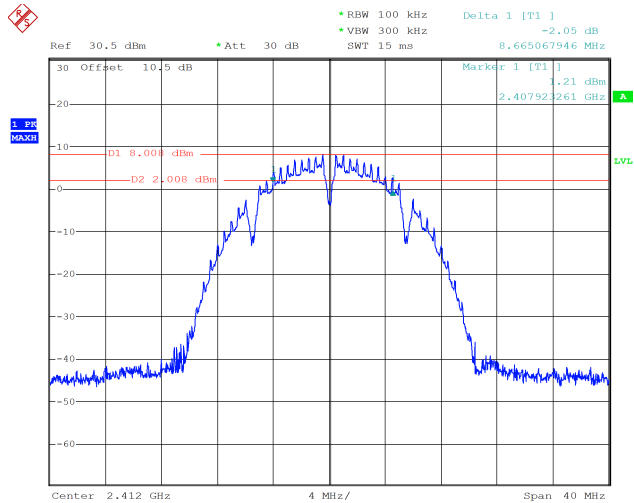
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

6dB Emission Bandwidth

Mode	Value (MHz)	Limit (MHz)	Result
b_2412MHz_Chain 0	8.665	0.5	Pass
b_2437MHz_Chain 0	8.665	0.5	Pass
b_2462MHz_Chain 0	8.633	0.5	Pass
g_2412MHz_Chain 0	16.403	0.5	Pass
g_2437MHz_Chain 0	16.403	0.5	Pass
g_2462MHz_Chain 0	16.435	0.5	Pass
n20_2412MHz_Chain 0	17.682	0.5	Pass
n20_2437MHz_Chain 0	17.650	0.5	Pass
n20_2462MHz_Chain 0	17.618	0.5	Pass
n40_2422MHz_Chain 0	36.131	0.5	Pass
n40_2437MHz_Chain 0	36.451	0.5	Pass
n40_2452MHz_Chain 0	36.067	0.5	Pass

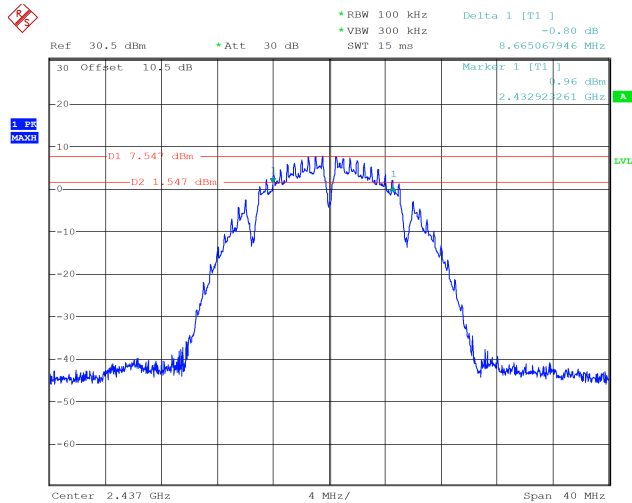
2.4G

b_2412MHz_Chain 0 8.665 MHz



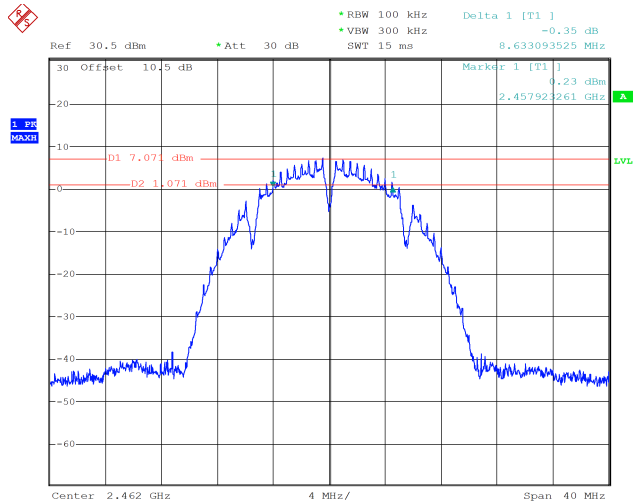
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:23:52

b_2437MHz_Chain 0 8.665 MHz



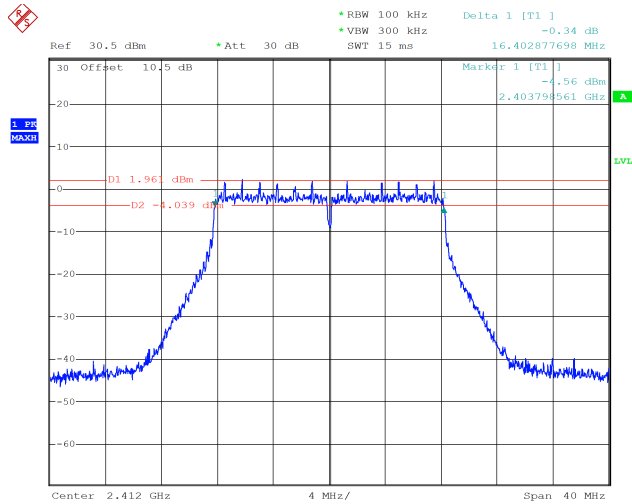
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:25:56

b_2462MHz_Chain 0 8.633 MHz



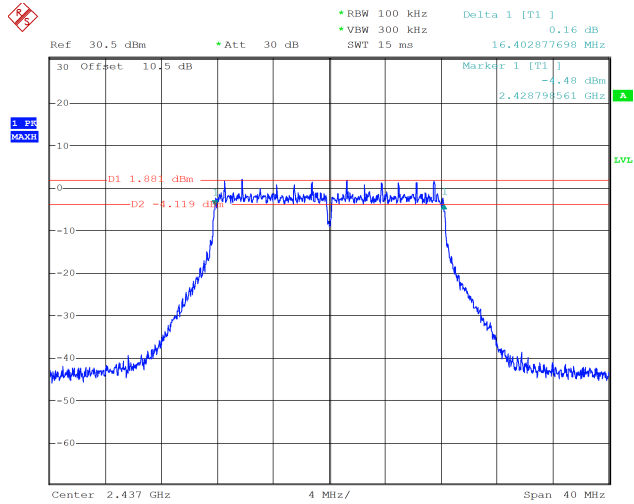
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:29:31

g_2412MHz_Chain 0 16.403 MHz



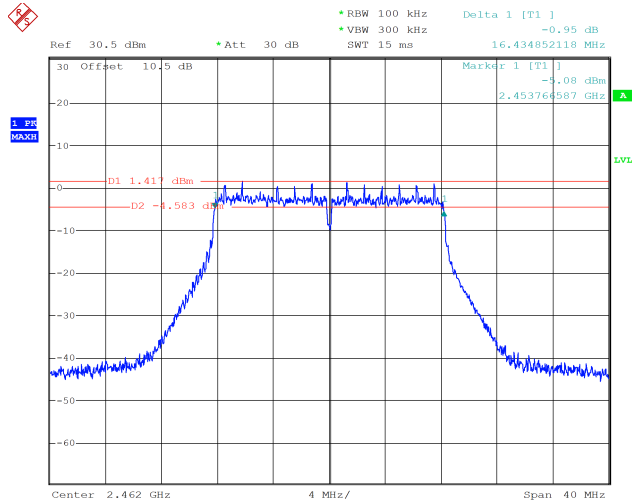
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:33:30

g_2437MHz_Chain 0 16.403 MHz



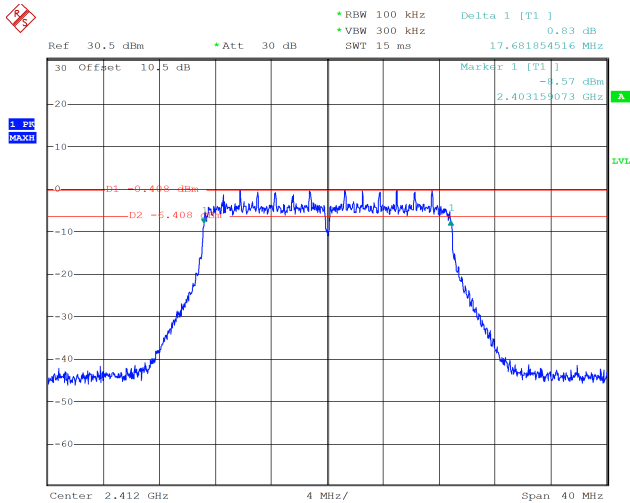
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:36:01

g_2462MHz_Chain 0 16.435 MHz



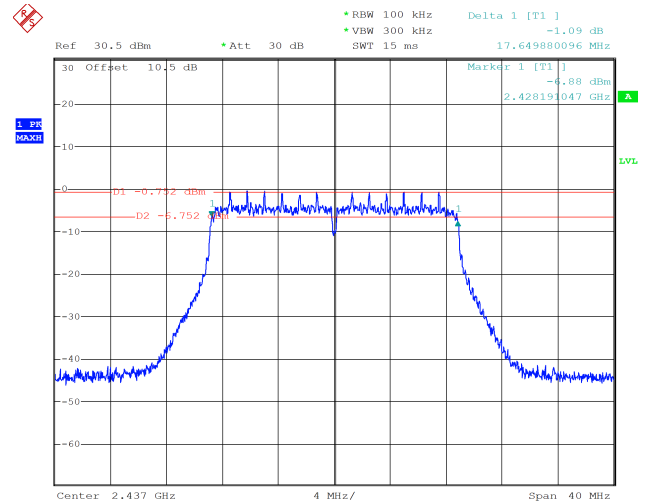
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:39:33

n20_2412MHz_Chain 0 17.682 MHz



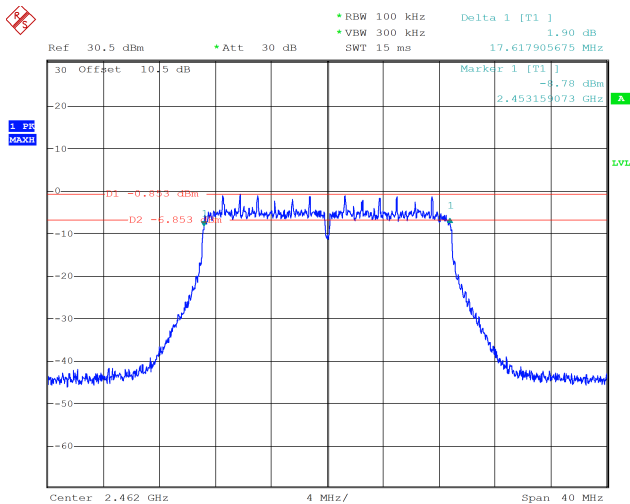
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:42:51

n20_2437MHz_Chain 0 17.650 MHz



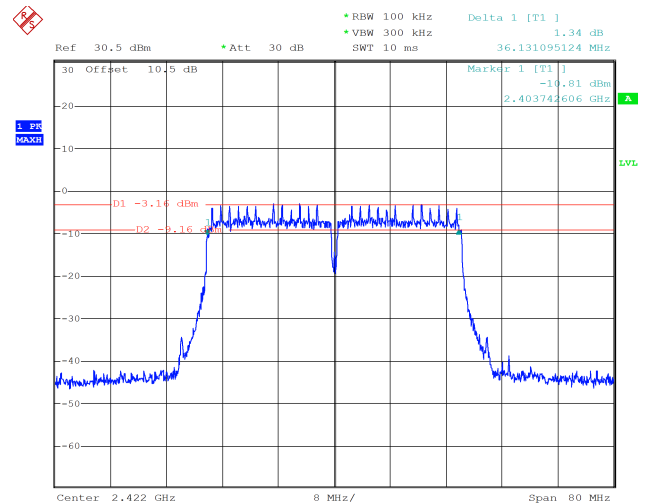
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:44:32

n20_2462MHz_Chain 0 17.618 MHz



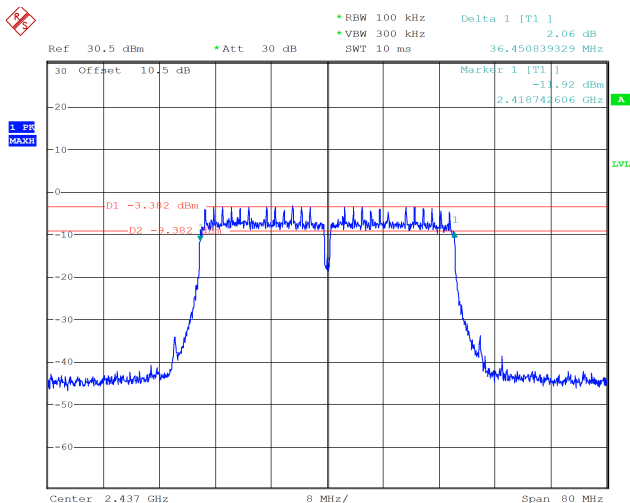
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:47:43

n40_2422MHz_Chain 0 36.131 MHz



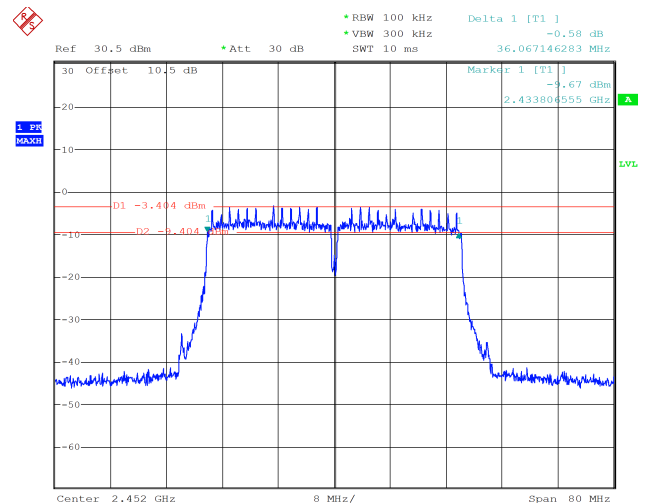
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:50:30

n40_2437MHz_Chain 0 36.451 MHz



Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:52:07

n40_2452MHz_Chain 0 36.067 MHz



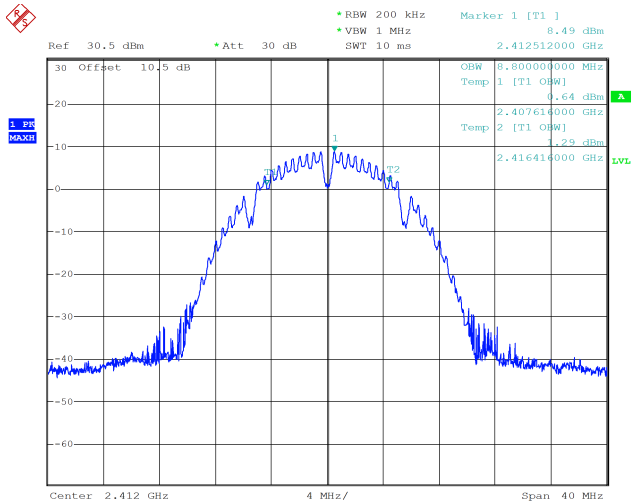
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:55:05

99% Occupied Bandwidth

Mode	99% OBW (MHz)
b_2412MHz_Chain 0	8.800
b_2437MHz_Chain 0	8.800
b_2462MHz_Chain 0	8.768
g_2412MHz_Chain 0	14.880
g_2437MHz_Chain 0	14.880
g_2462MHz_Chain 0	14.848
n20_2412MHz_Chain 0	15.648
n20_2437MHz_Chain 0	15.680
n20_2462MHz_Chain 0	15.680
n40_2422MHz_Chain 0	32.512
n40_2437MHz_Chain 0	32.512
n40_2452MHz_Chain 0	32.512

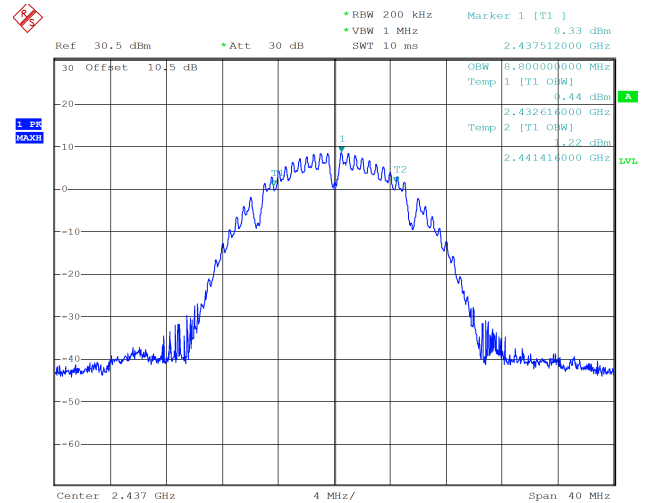
2.4G

b_2412MHz_Chain 0 8.800 MHz



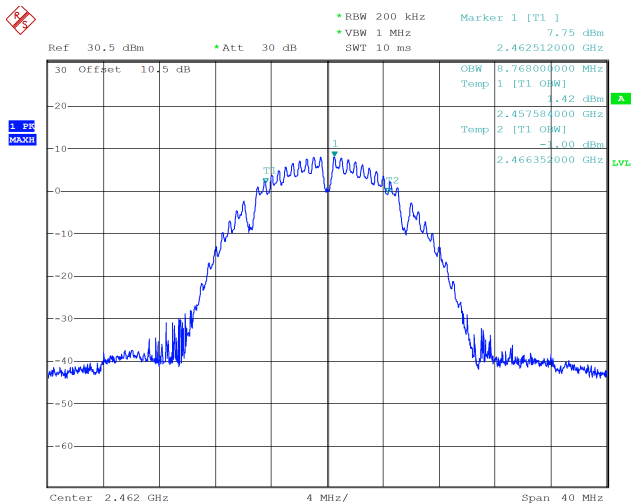
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:24:16

b_2437MHz_Chain 0 8.800 MHz



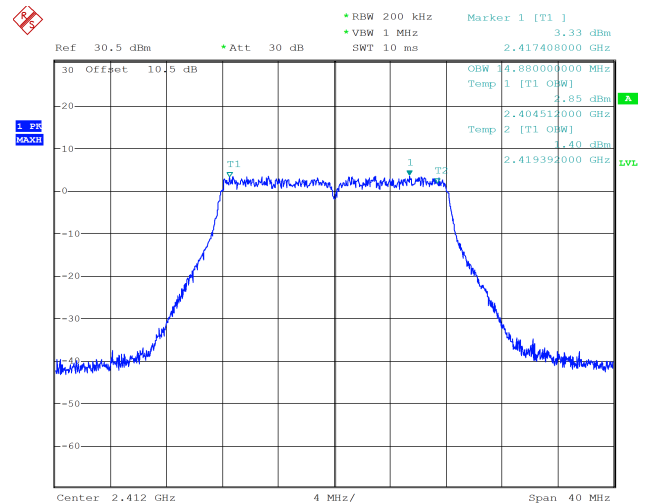
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:26:18

b_2462MHz_Chain 0 8.768 MHz



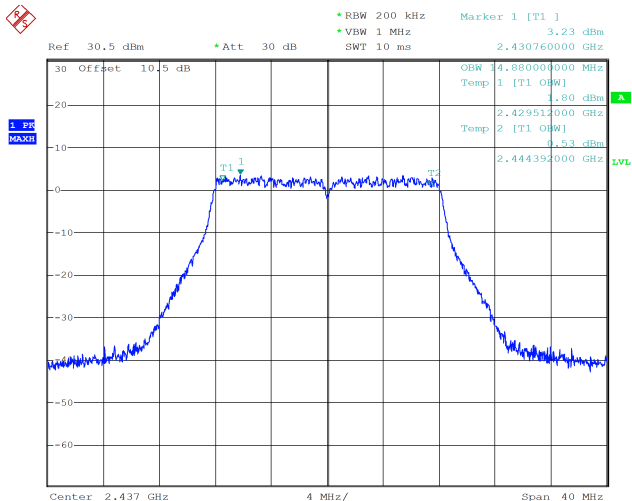
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:29:53

g_2412MHz_Chain 0 14.848 MHz



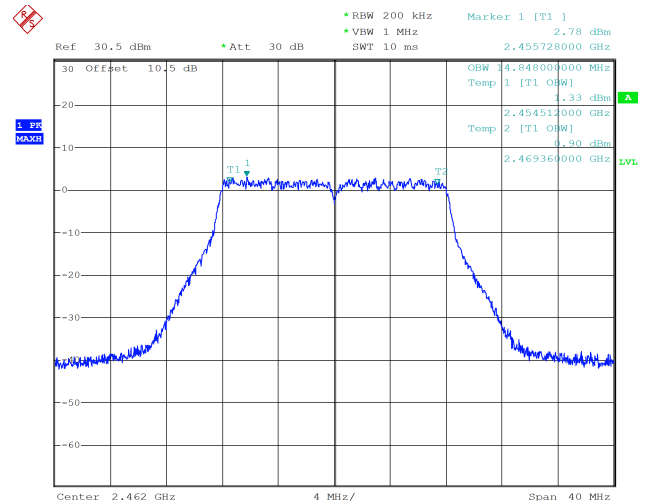
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:33:51

g_2437MHz_Chain 0 14.880 MHz



Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:36:28

g_2462MHz_Chain 0 14.848 MHz



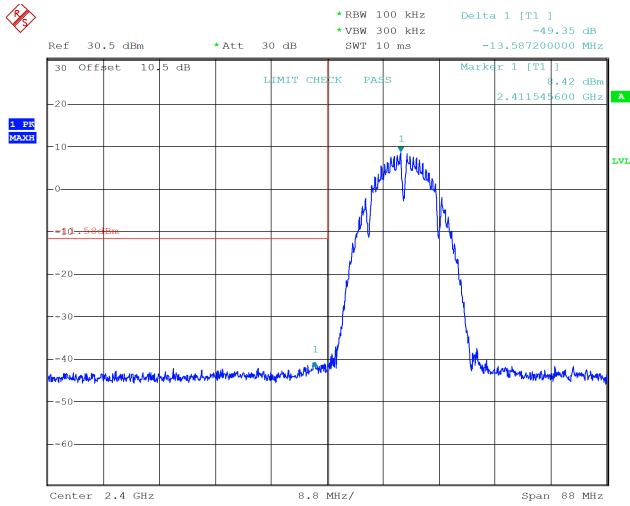
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:39:58

100 kHz Bandwidth of Frequency Band Edge

Mode	Value (dB)	Limit (dB)	Result
b_2412MHz_Chain 0	49.35	20.00	Pass
b_2462MHz_Chain 0	48.63	20.00	Pass
g_2412MHz_Chain 0	38.14	20.00	Pass
g_2462MHz_Chain 0	42.63	20.00	Pass
n20_2412MHz_Chain 0	35.75	20.00	Pass
n20_2462MHz_Chain 0	40.76	20.00	Pass
n40_2422MHz_Chain 0	33.33	20.00	Pass
n40_2452MHz_Chain 0	38.50	20.00	Pass

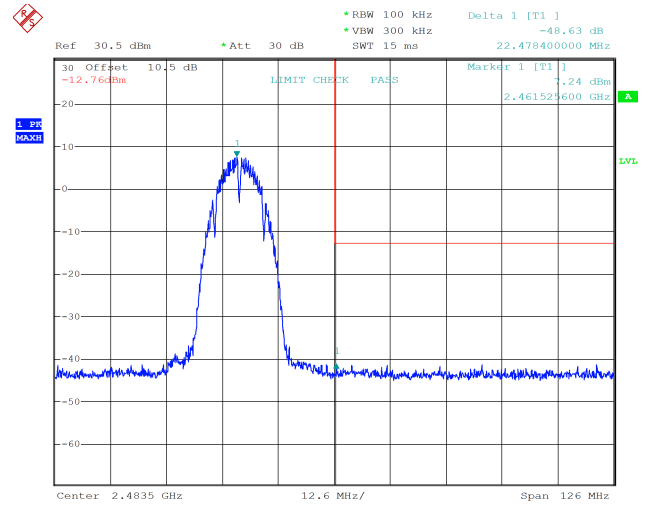
2.4G

b_2412MHz_Chain 0 49.35 dB



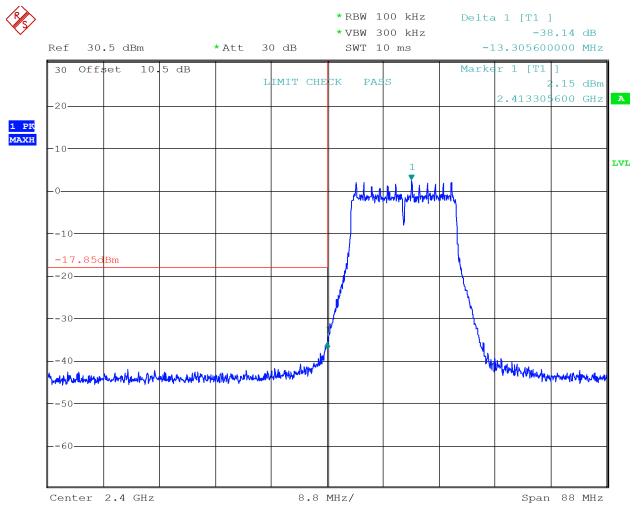
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:23:28

b_2462MHz_Chain 0 48.63 dB



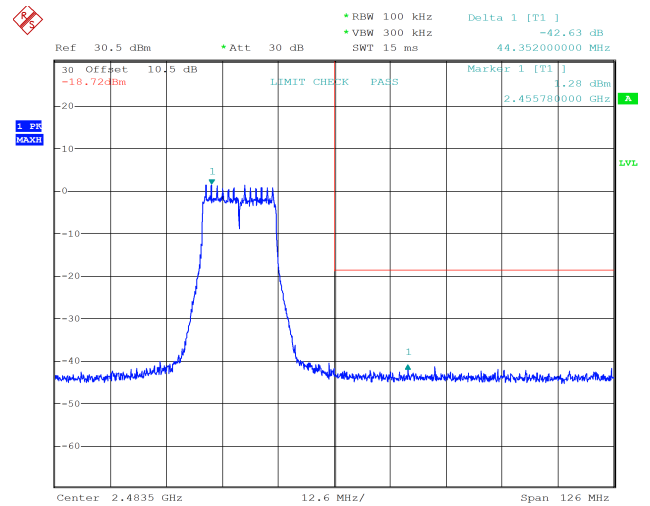
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:29:09

g_2412MHz_Chain 0 38.14 dB



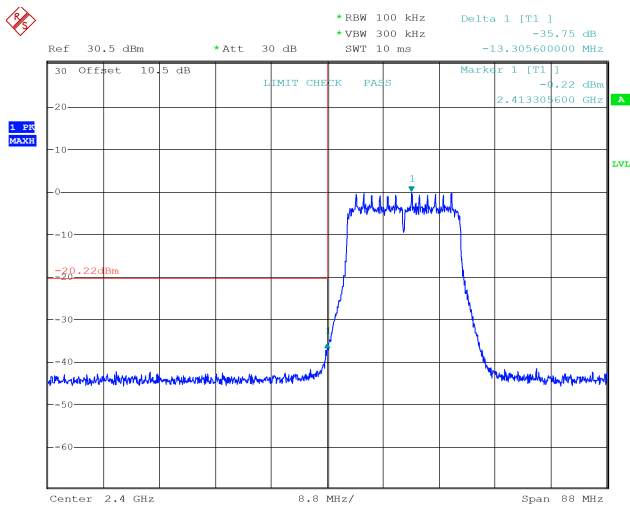
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:33:06

g_2462MHz_Chain 0 42.63 dB



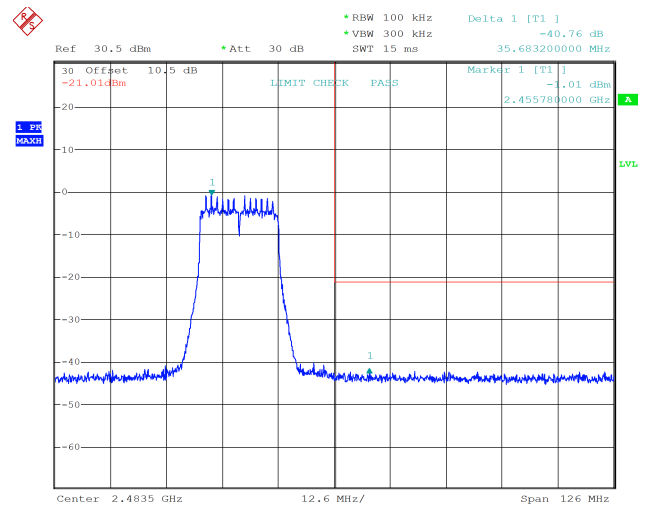
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:39:02

n20_2412MHz_Chain 0 35.75 dB

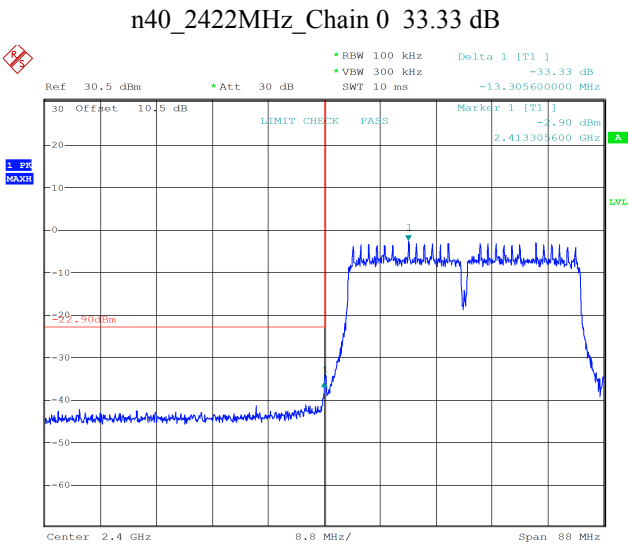


Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:42:17

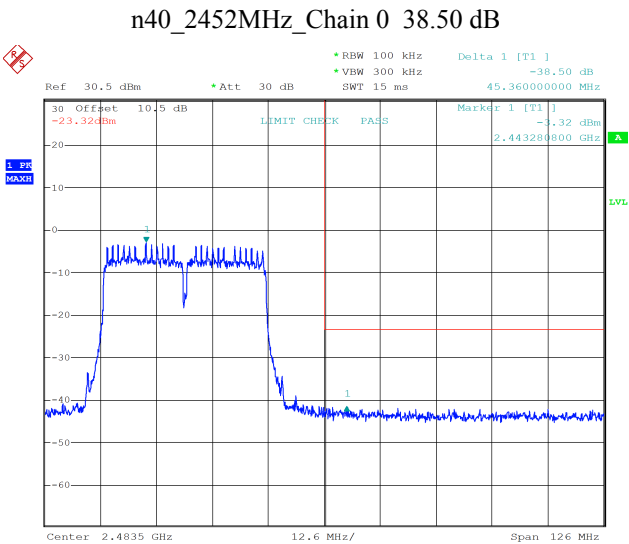
n20_2462MHz_Chain 0 40.76 dB



Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:47:12



Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:50:01



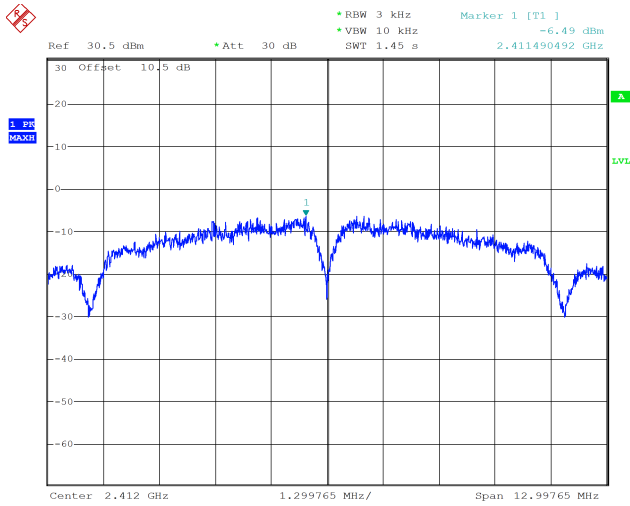
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:54:39

Power Spectral Density

Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
b_2412MHz_Chain 0	-6.49	8.00	Pass
b_2437MHz_Chain 0	-5.78	8.00	Pass
b_2462MHz_Chain 0	-6.70	8.00	Pass
g_2412MHz_Chain 0	-12.78	8.00	Pass
g_2437MHz_Chain 0	-12.88	8.00	Pass
g_2462MHz_Chain 0	-13.07	8.00	Pass
n20_2412MHz_Chain 0	-15.07	8.00	Pass
n20_2437MHz_Chain 0	-15.07	8.00	Pass
n20_2462MHz_Chain 0	-15.55	8.00	Pass
n40_2422MHz_Chain 0	-17.43	8.00	Pass
n40_2437MHz_Chain 0	-16.46	8.00	Pass
n40_2452MHz_Chain 0	-17.33	8.00	Pass

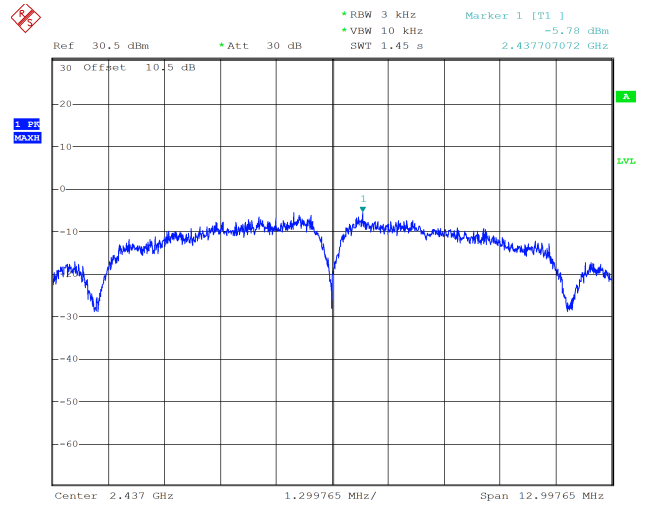
2.4G

b_2412MHz_Chain 0 -6.49 dBm/3kHz



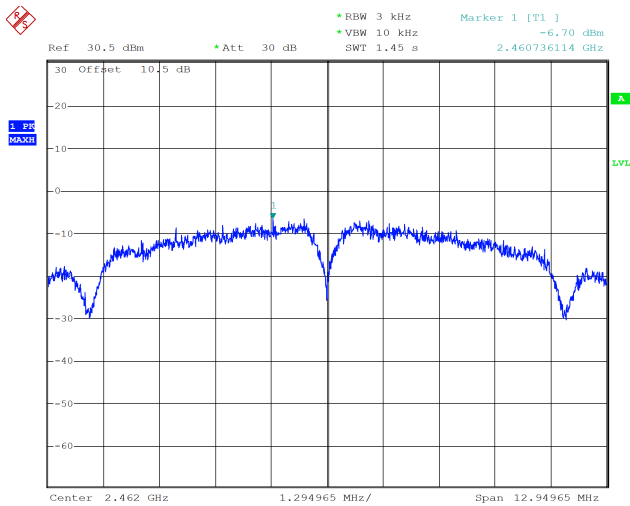
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:24:45

b_2437MHz_Chain 0 -5.78 dBm/3kHz



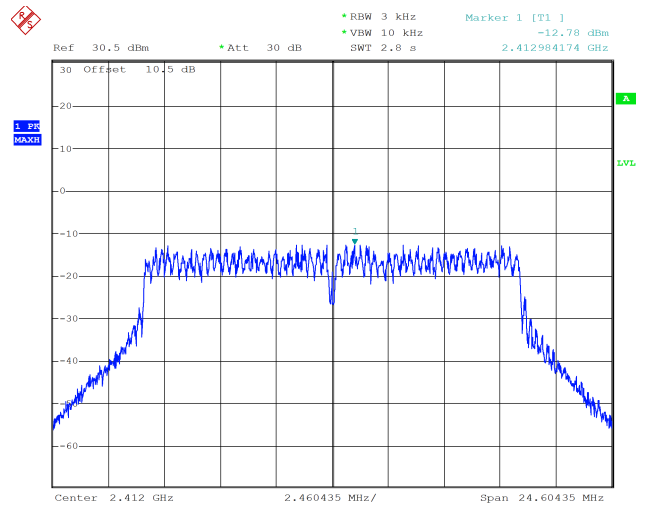
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:27:07

b_2462MHz_Chain 0 -6.70 dBm/3kHz



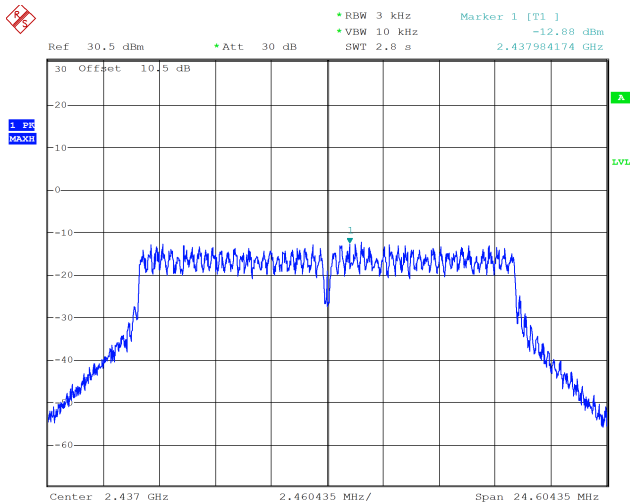
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:30:37

g_2412MHz_Chain 0 -12.78 dBm/3kHz



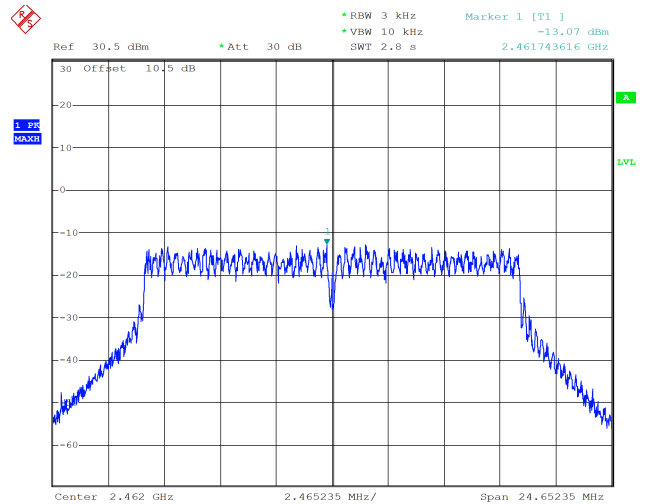
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:34:16

g_2437MHz_Chain 0 -12.88 dBm/3kHz



Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:37:02

g_2462MHz_Chain 0 -13.07 dBm/3kHz



Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:40:39

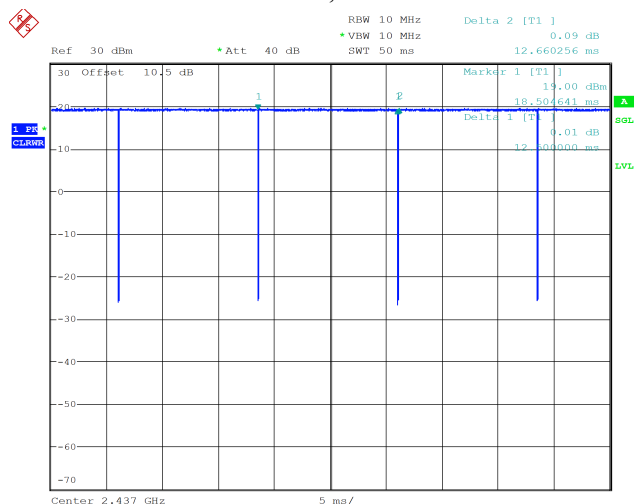
Duty Cycle

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/Ton (Hz)	VBW Setting (kHz)
b_2437MHz_Chain 0	12.500	12.660	98.74	/	0.1
g_2437MHz_Chain 0	2.077	2.179	95.32	481	0.5
n20_2437MHz_Chain 0	1.936	2.064	93.80	517	1
n40_2437MHz_Chain 0	0.954	1.186	80.44	1048	2

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

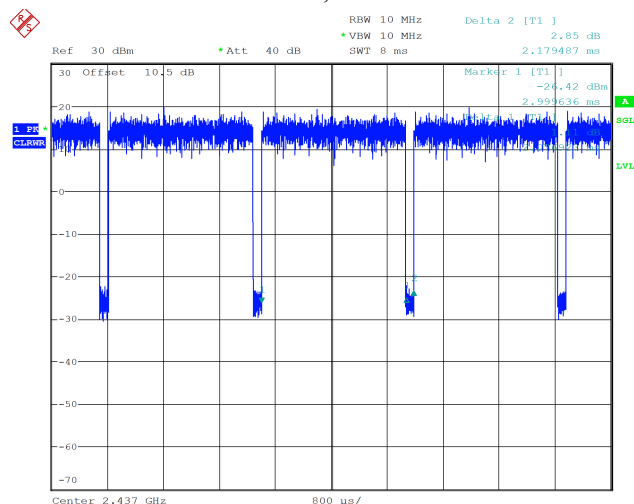
2.4G

b_2437MHz_Chain 0
12.500 ms,12.66ms



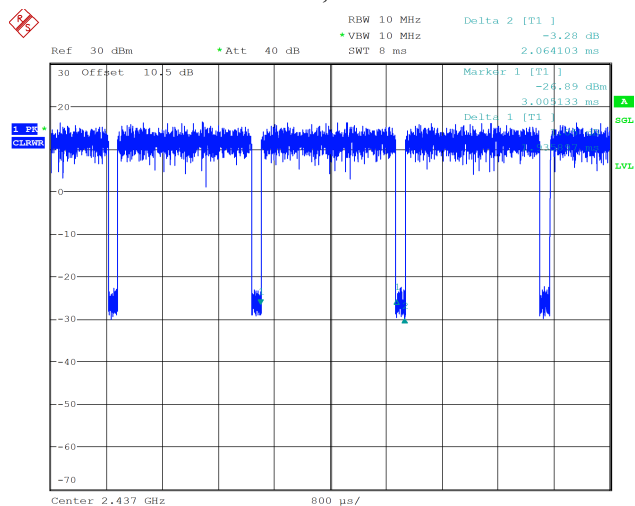
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:12:37

g_2437MHz_Chain 0
2.077 ms,2.179ms



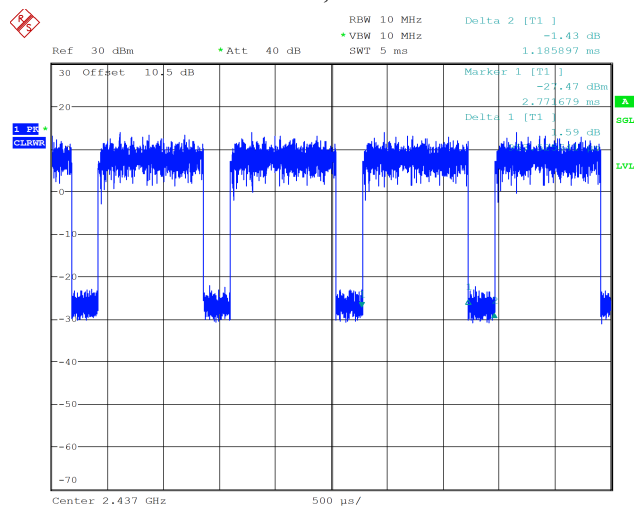
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:16:56

n20_2437MHz_Chain 0
1.936 ms,2.064ms



Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:17:58

n40_2437MHz_Chain 0
0.954 ms,1.186ms



Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li
Date: 7.FEB.2024 10:21:46