

## FCC Part 15.247

## Test Information:

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

## Environmental Conditions:

<b>Temperature:</b> (°C)	25.6	<b>Relative Humidity:</b> (%)	49	<b>ATM Pressure:</b> (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

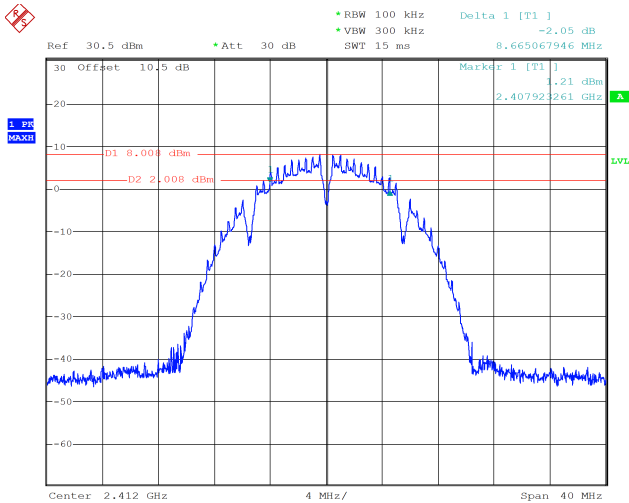
\* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**6dB Emission Bandwidth**

<b>Mode</b>	<b>Value (MHz)</b>	<b>Limit (MHz)</b>	<b>Result</b>
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

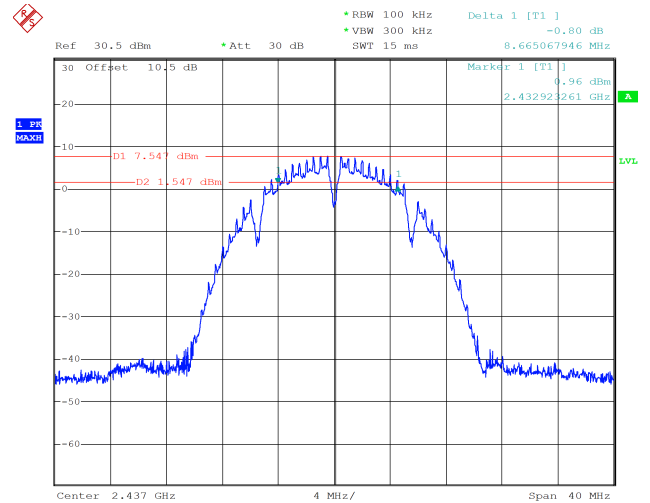
2.4G

b\_2412MHz\_Chain 0 8.665 MHz



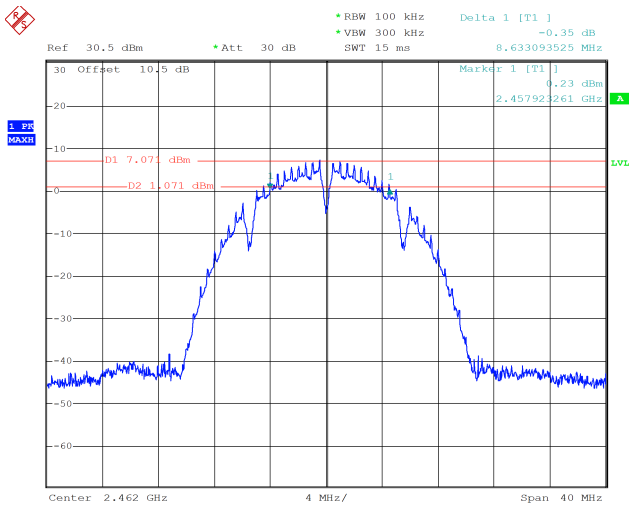
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:23:52

b\_2437MHz\_Chain 0 8.665 MHz



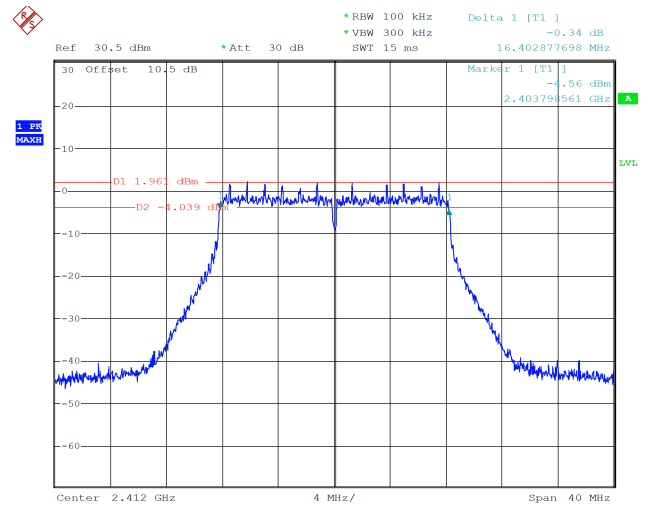
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:25:56

b\_2462MHz\_Chain 0 8.633 MHz



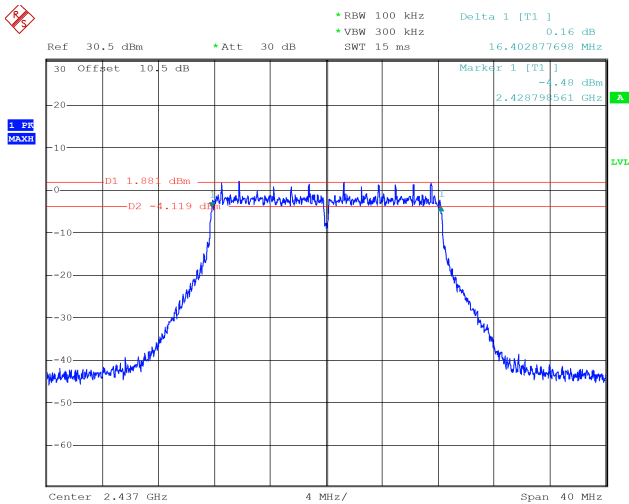
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:29:31

g\_2412MHz\_Chain 0 16.403 MHz



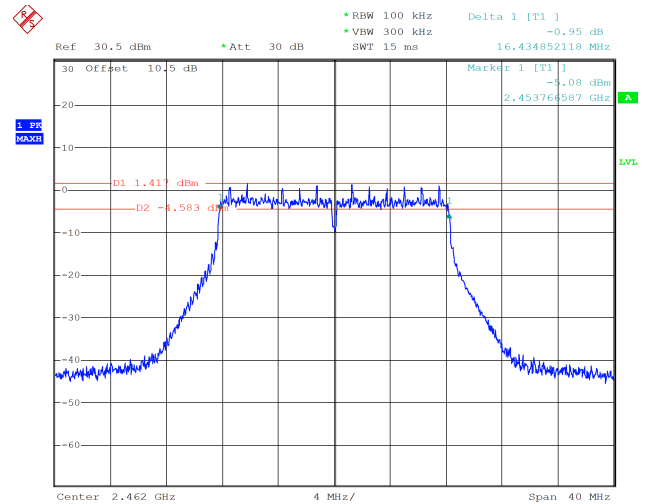
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:33:30

g\_2437MHz\_Chain 0 16.403 MHz



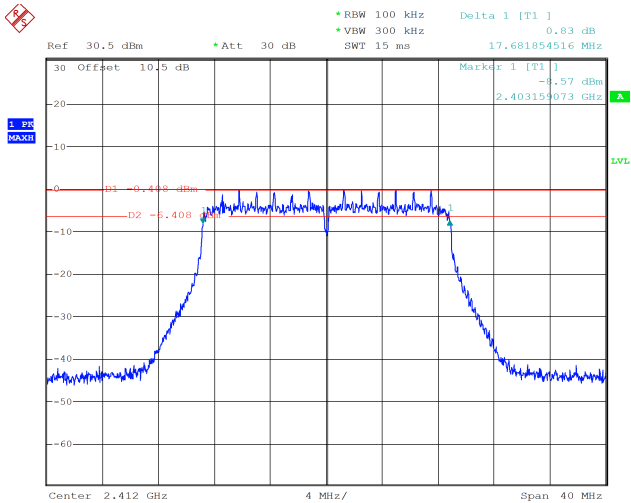
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:36:01

g\_2462MHz\_Chain 0 16.435 MHz



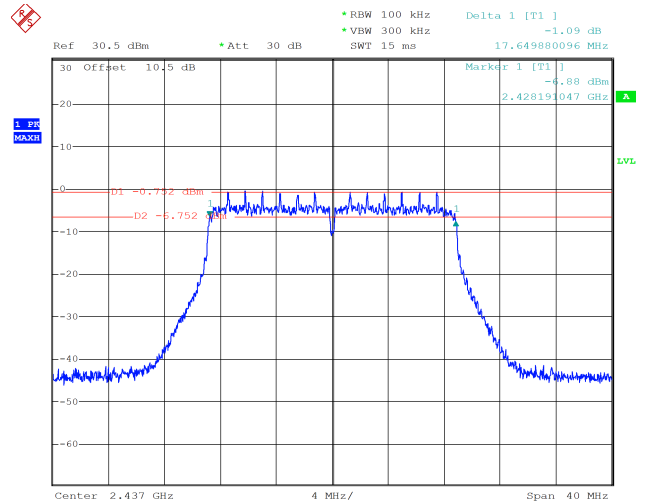
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:39:33

n20\_2412MHz\_Chain 0 17.682 MHz



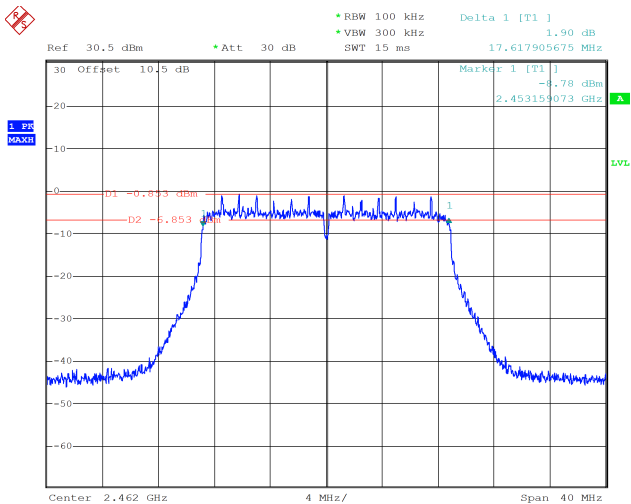
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:42:51

n20\_2437MHz\_Chain 0 17.650 MHz



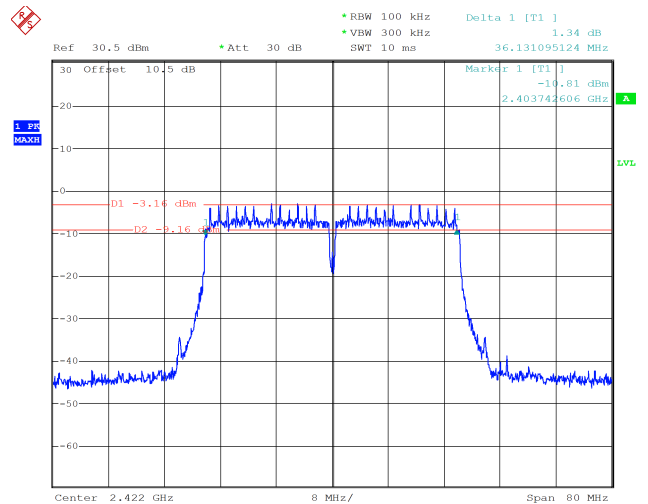
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:44:32

n20\_2462MHz\_Chain 0 17.618 MHz



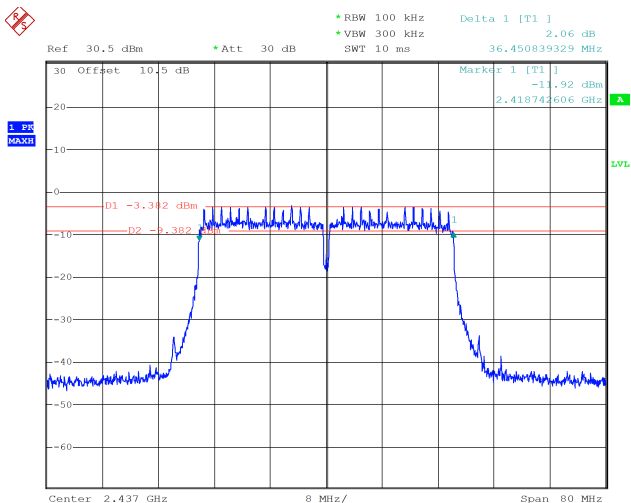
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:47:43

n40\_2422MHz\_Chain 0 36.131 MHz



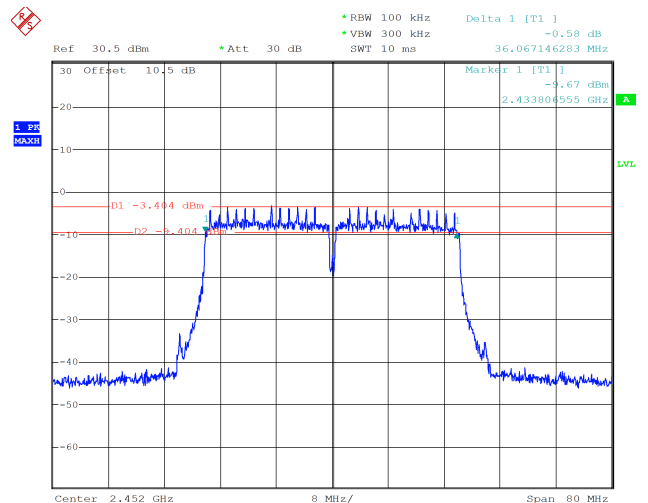
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:50:30

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



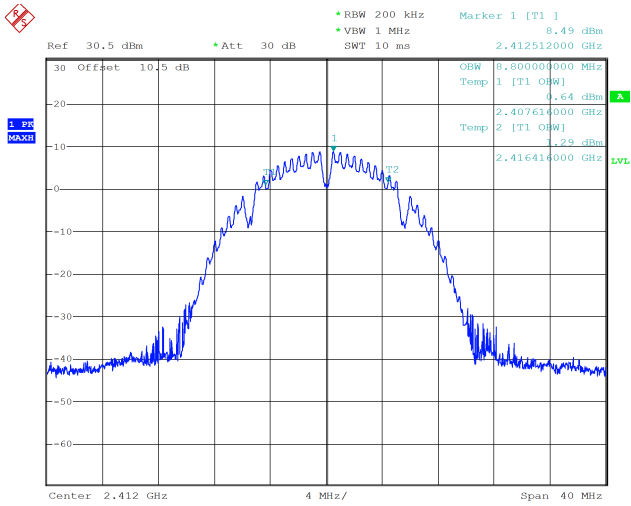
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:55:05

**99% Occupied Bandwidth**

<b>Mode</b>	<b>99% OBW (MHz)</b>
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

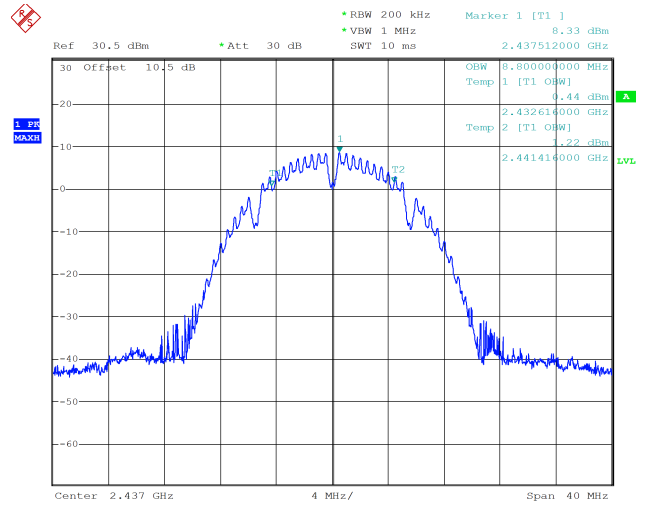
2.4G

b\_2412MHz\_Chain 0 8.800 MHz



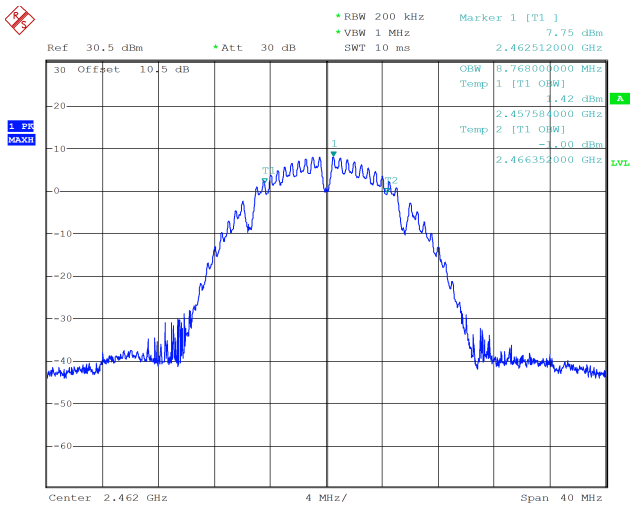
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:24:16

b\_2437MHz\_Chain 0 8.800 MHz



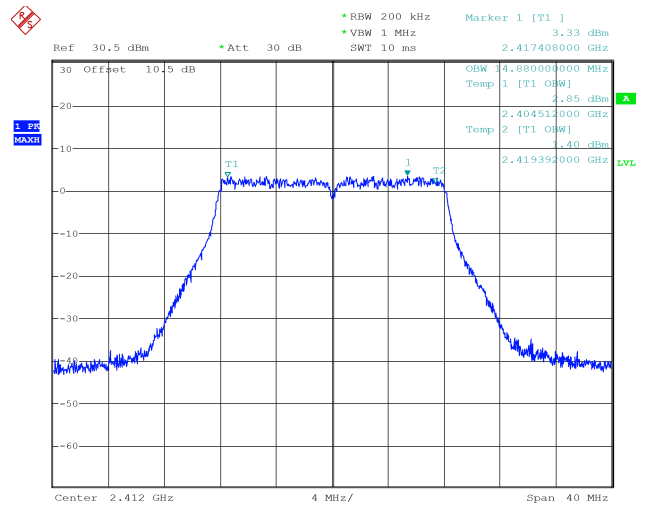
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:26:18

b\_2462MHz\_Chain 0 8.768 MHz



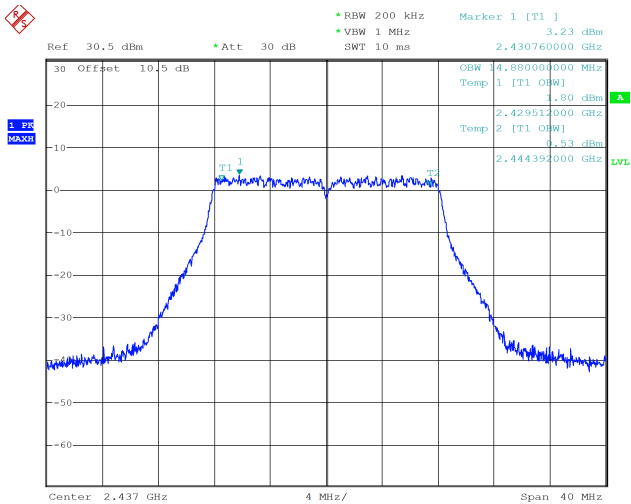
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:29:53

g\_2412MHz\_Chain 0 14.848 MHz



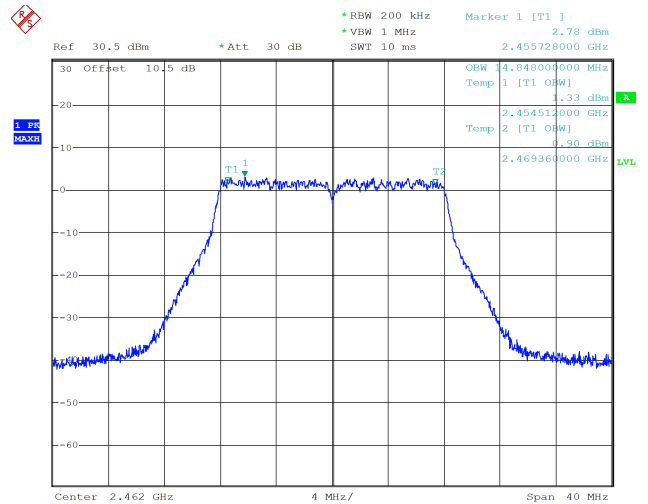
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:33:51

g\_2437MHz\_Chain 0 14.880 MHz



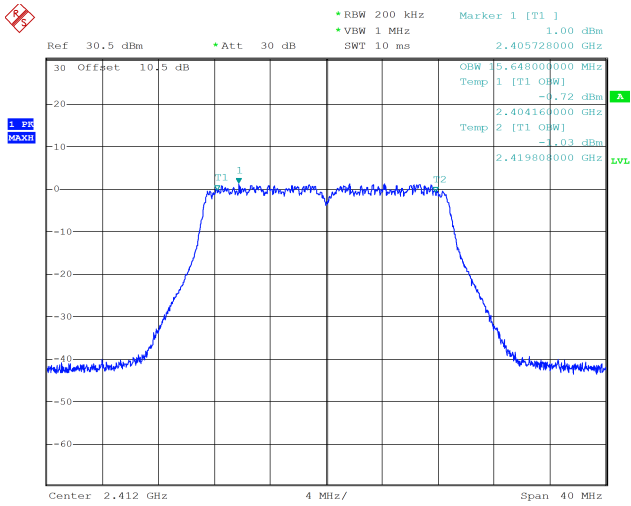
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:36:28

g\_2462MHz\_Chain 0 14.848 MHz



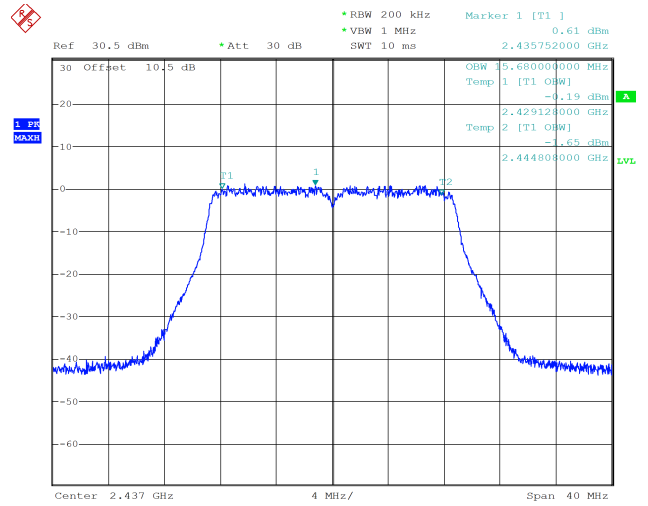
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:39:58

n20\_2412MHz\_Chain 0 15.648 MHz



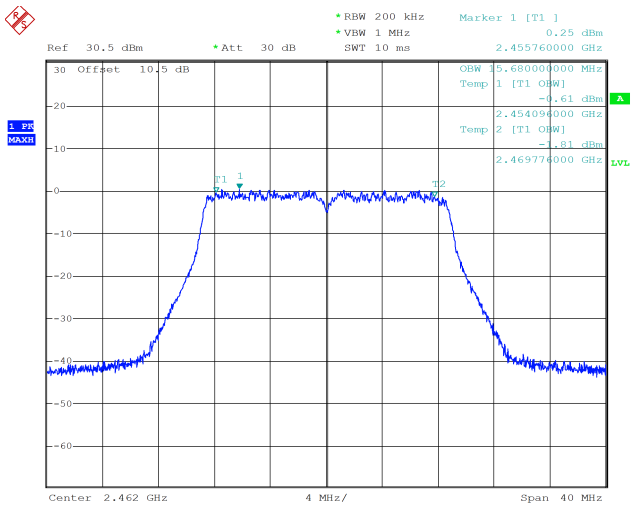
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:43:23

n20\_2437MHz\_Chain 0 15.680 MHz



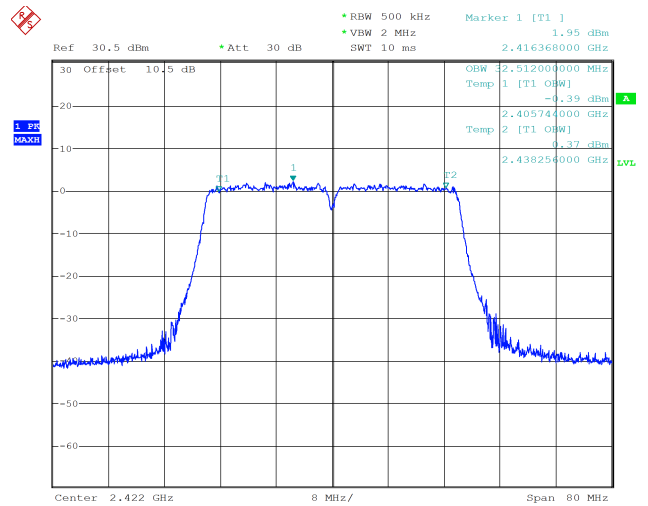
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:44:56

n20\_2462MHz\_Chain 0 15.680 MHz



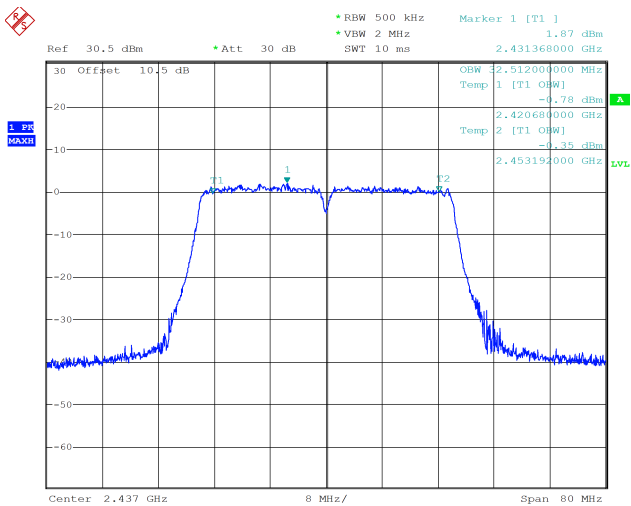
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:48:04

n40\_2422MHz\_Chain 0 32.512 MHz



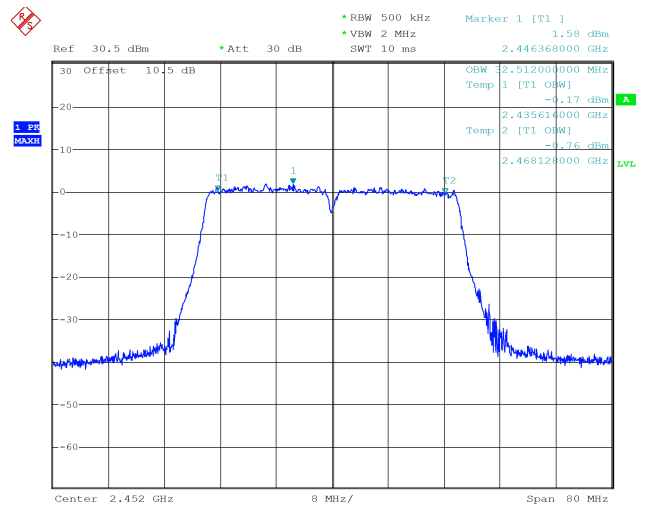
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:50:52

n40\_2437MHz\_Chain 0 32.512 MHz



Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:52:28

n40\_2452MHz\_Chain 0 32.512 MHz



Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:58:27

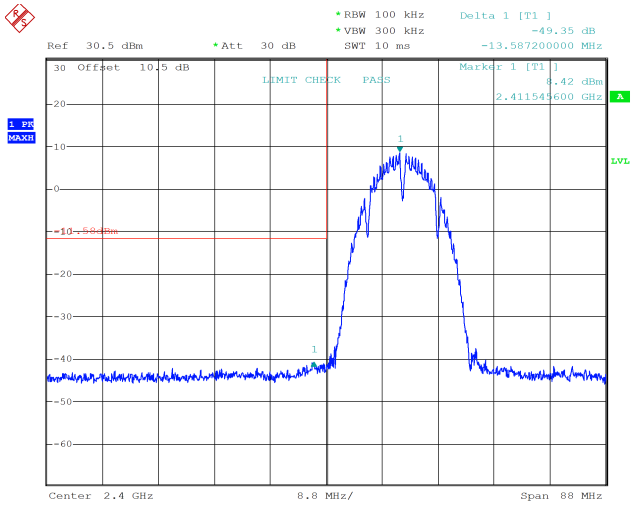
**100 kHz Bandwidth of Frequency Band Edge**

<b>Mode</b>	<b>Value (dB)</b>	<b>Limit (dB)</b>	<b>Result</b>
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



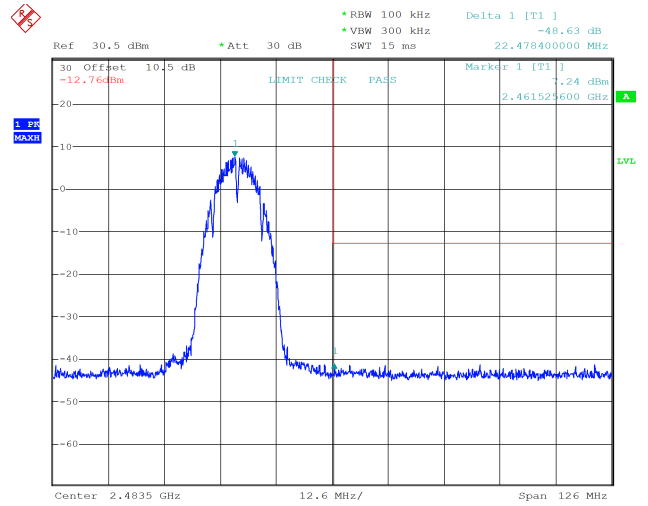
2.4G

b\_2412MHz\_Chain 0 49.35 dB



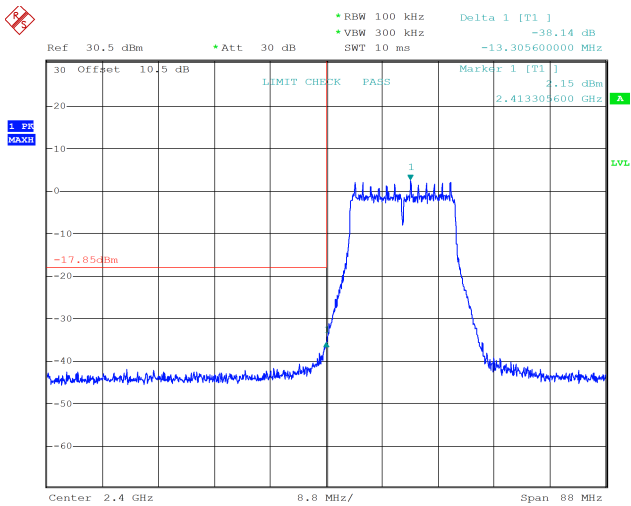
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:23:28

b\_2462MHz\_Chain 0 48.63 dB



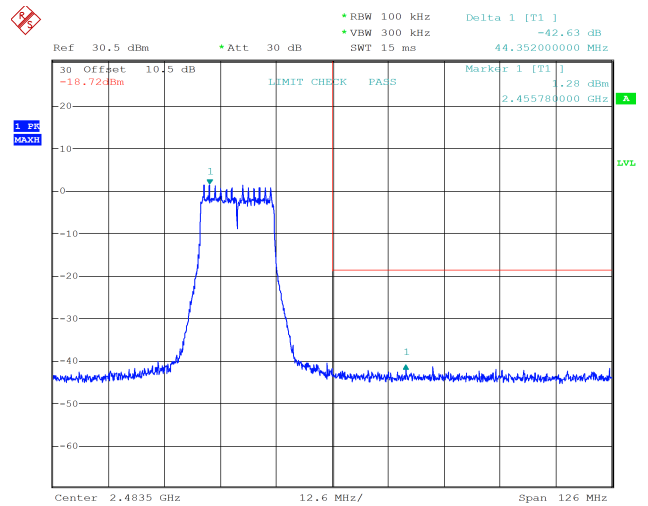
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:29:09

g\_2412MHz\_Chain 0 38.14 dB



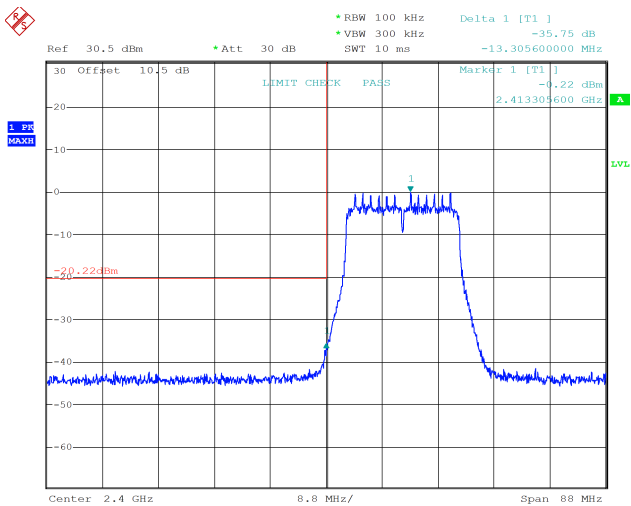
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:33:06

g\_2462MHz\_Chain 0 42.63 dB



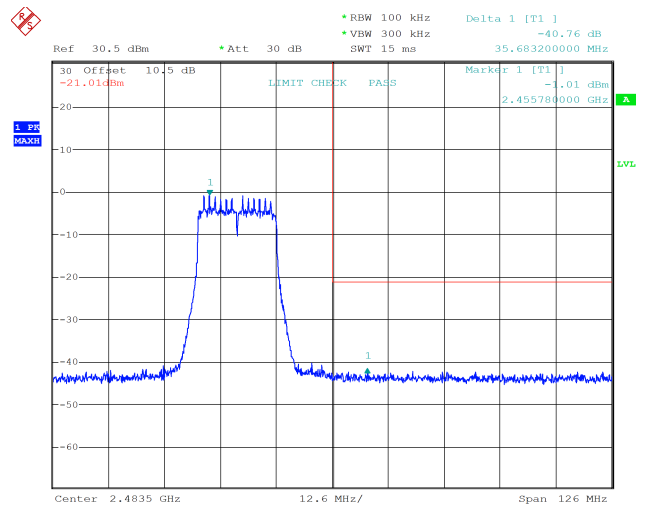
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:39:02

n20\_2412MHz\_Chain 0 35.75 dB



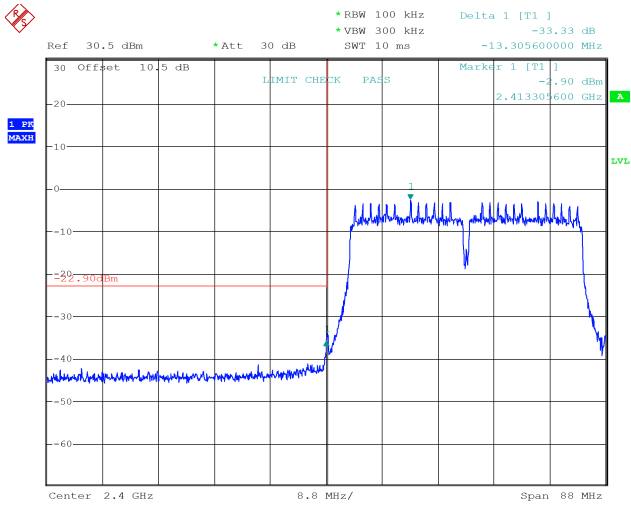
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:42:17

n20\_2462MHz\_Chain 0 40.76 dB

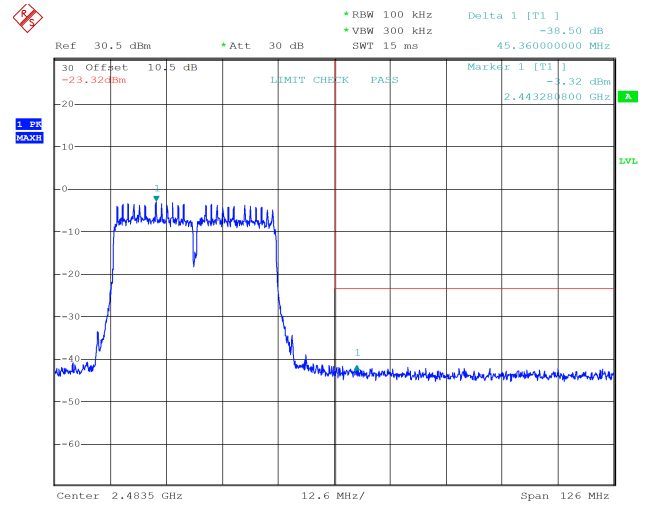


Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:47:12

n40\_2422MHz\_Chain 0 33.33 dB



n40\_2452MHz\_Chain 0 38.50 dB



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

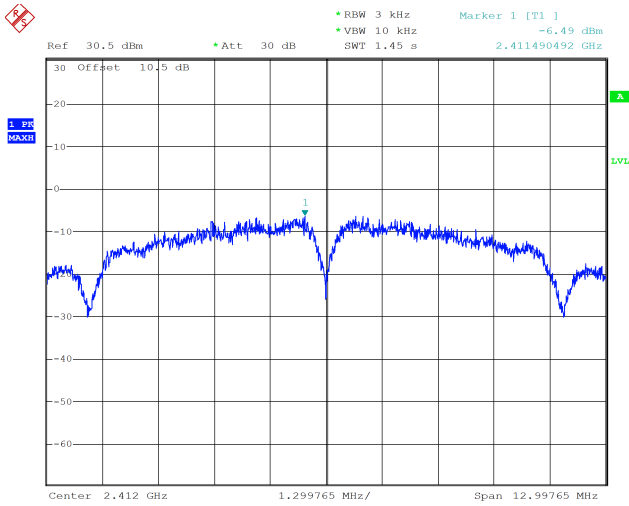
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:54:39

**Power Spectral Density**

<b>Mode</b>	<b>Value (dBm/3kHz)</b>	<b>Limit (dBm/3kHz)</b>	<b>Result</b>
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

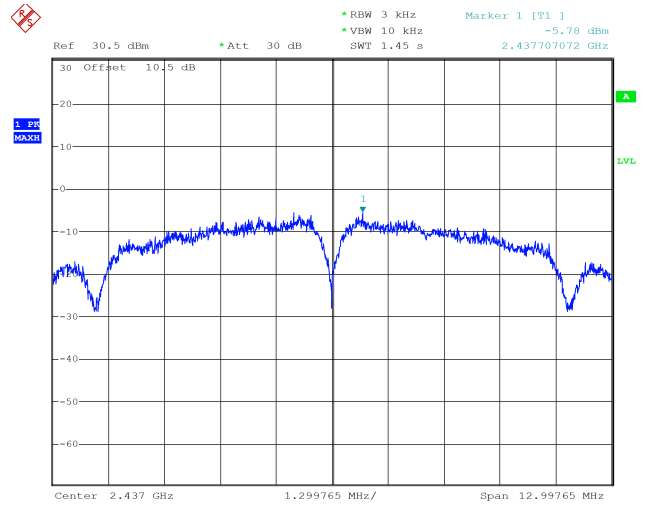
2.4G

b\_2412MHz\_Chain 0 -6.49 dBm/3kHz



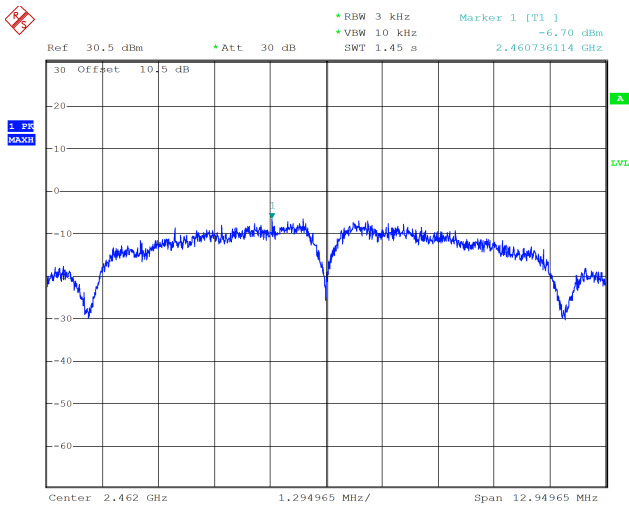
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:24:45

b\_2437MHz\_Chain 0 -5.78 dBm/3kHz



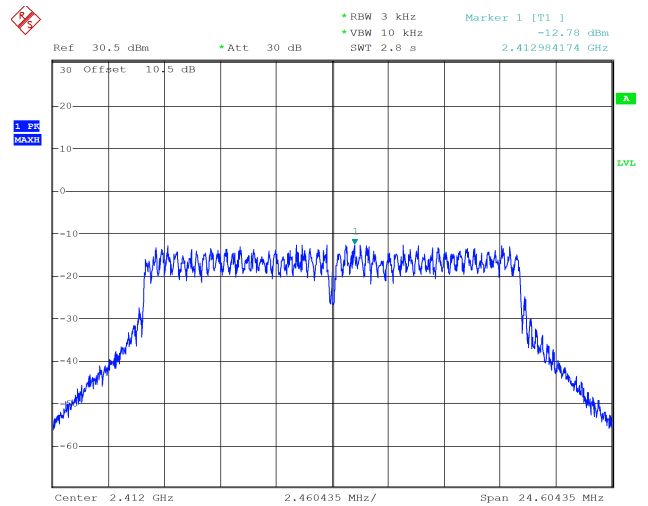
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:27:07

b\_2462MHz\_Chain 0 -6.70 dBm/3kHz



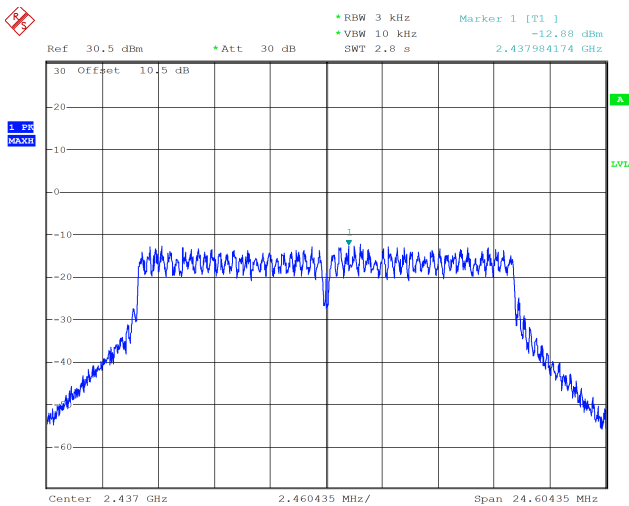
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:30:37

g\_2412MHz\_Chain 0 -12.78 dBm/3kHz



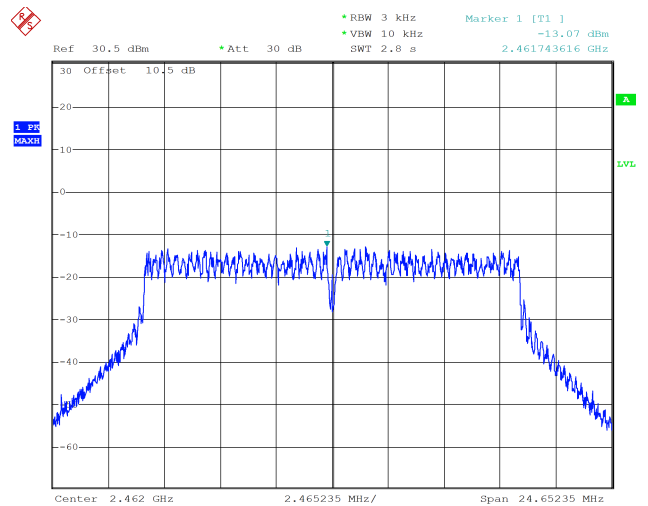
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:34:16

g\_2437MHz\_Chain 0 -12.88 dBm/3kHz



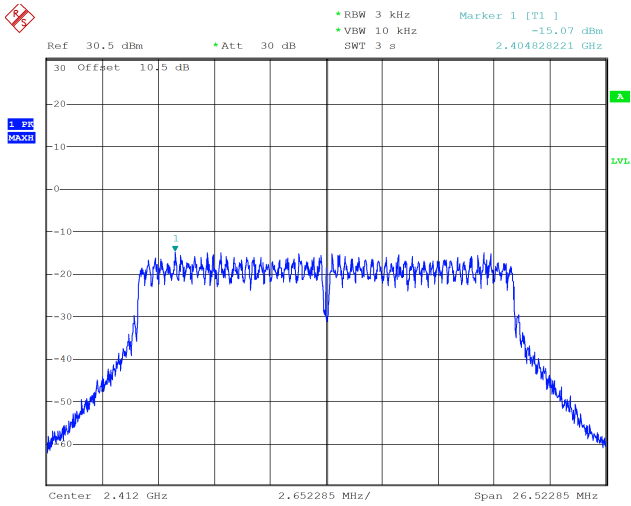
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:37:02

g\_2462MHz\_Chain 0 -13.07 dBm/3kHz



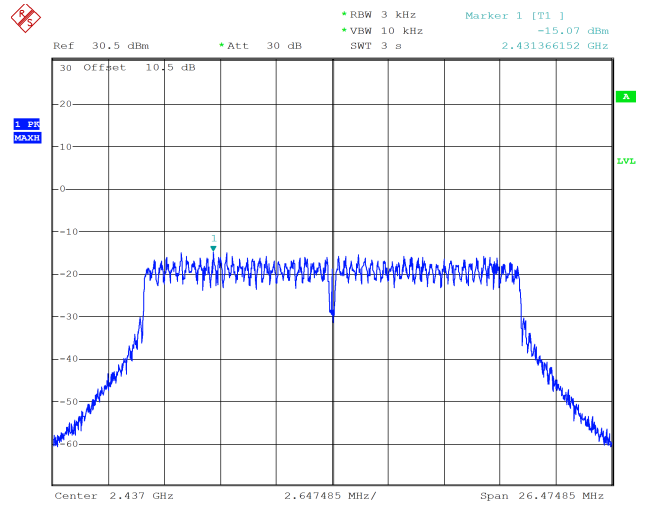
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
Date: 7.FEB.2024 10:40:39

n20\_2412MHz\_Chain 0 -15.07 dBm/3kHz



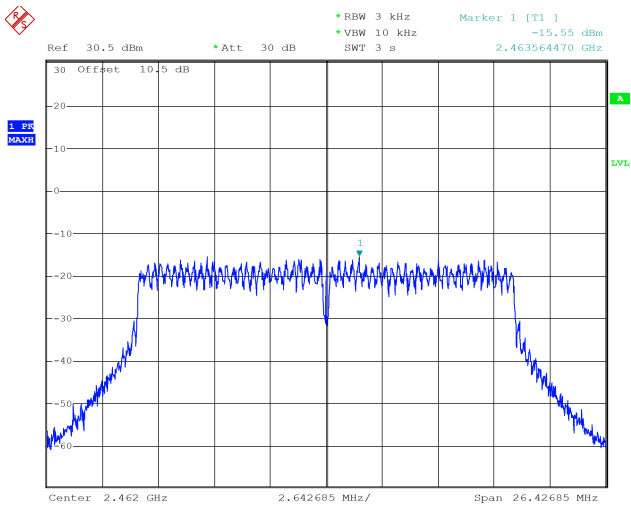
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:43:51

n20\_2437MHz\_Chain 0 -15.07 dBm/3kHz



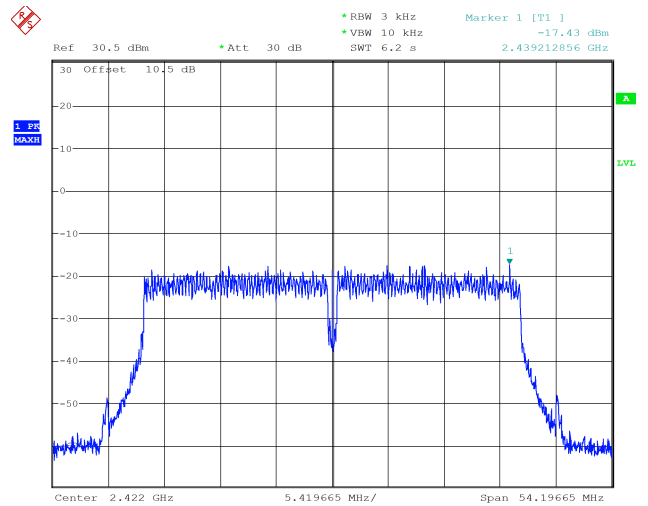
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:45:29

n20\_2462MHz\_Chain 0 -15.55 dBm/3kHz



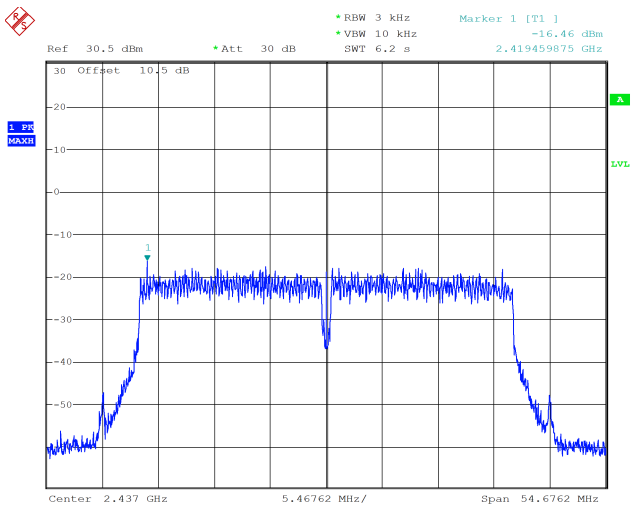
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:48:34

n40\_2422MHz\_Chain 0 -17.43 dBm/3kHz



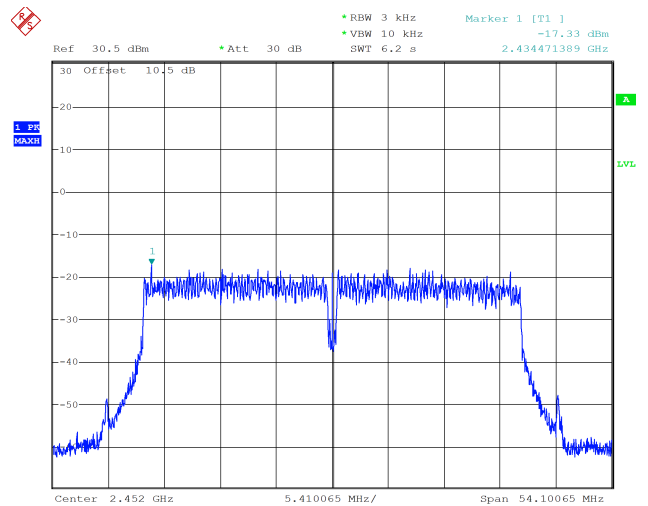
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:51:22

n40\_2437MHz\_Chain 0 -16.46 dBm/3kHz



Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:53:02

n40\_2452MHz\_Chain 0 -17.33 dBm/3kHz



Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:58:55

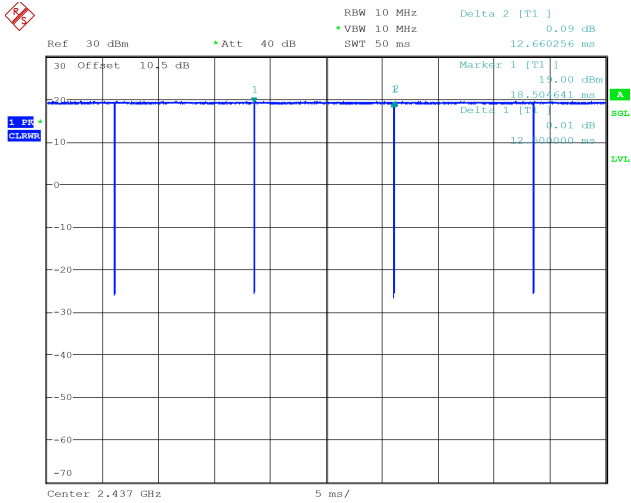
**Duty Cycle**

<b>Mode</b>	<b>Ton (ms)</b>	<b>Ton+Toff (ms)</b>	<b>Duty Cycle (%)</b>	<b>1/Ton (Hz)</b>	<b>VBW Setting (kHz)</b>
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%**

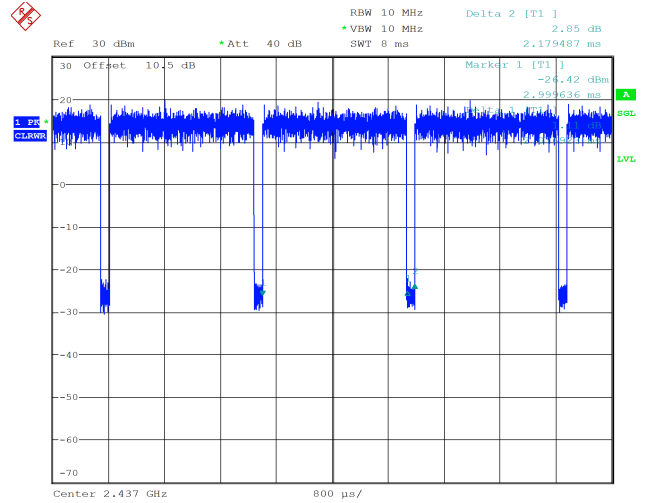
2.4G

b\_2437MHz\_Chain 0  
12.500 ms,12.66ms



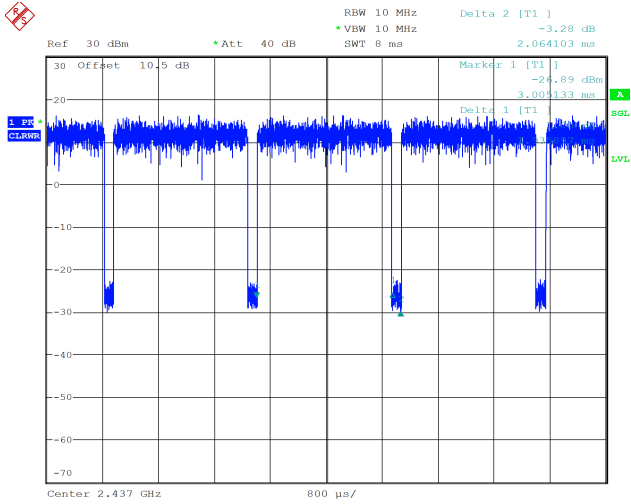
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:12:37

g\_2437MHz\_Chain 0  
2.077 ms,2.179ms



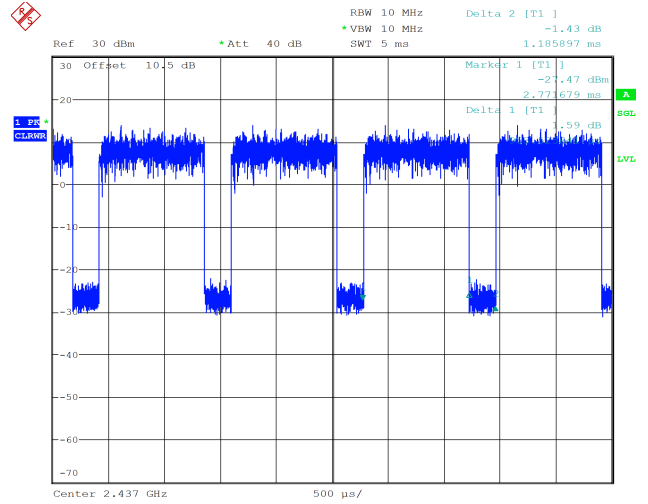
Comment: ProjectNo.:CR240105149-RF Tester:Lingling Li  
 Date: 7.FEB.2024 10:16:56

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