

Test Information:

Sample No.:	2Q05-2	Test Date:	2024/08/29
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	25.3	Relative Humidity: (%)	51	ATM Pressure: (kPa)	100.9
-----------------------	------	---------------------------	----	------------------------	-------

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
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
R&S	Spectrum Analyzer	FSU26	100147	2024/04/01	2025/03/31

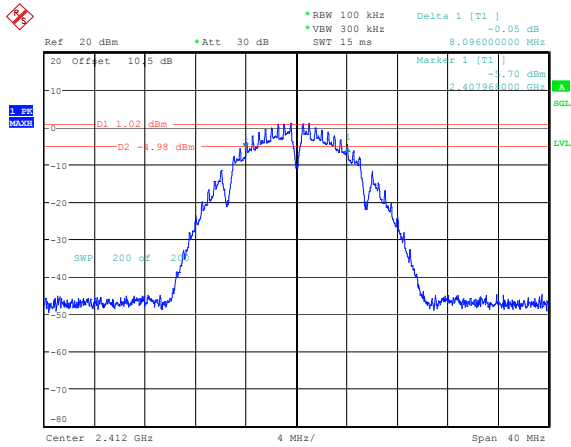
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

6dB Emission Bandwidth**2.4G**

Mode	Value (MHz)	Limit (MHz)	Result
b_2412MHz_Chain 0	8.096	≥ 0.5	Pass
b_2412MHz_Chain 1	8.096	≥ 0.5	Pass
b_2437MHz_Chain 0	8.160	≥ 0.5	Pass
b_2437MHz_Chain 1	8.128	≥ 0.5	Pass
b_2462MHz_Chain 0	8.096	≥ 0.5	Pass
b_2462MHz_Chain 1	8.576	≥ 0.5	Pass
g_2412MHz_Chain 0	16.352	≥ 0.5	Pass
g_2412MHz_Chain 1	16.384	≥ 0.5	Pass
g_2437MHz_Chain 0	16.384	≥ 0.5	Pass
g_2437MHz_Chain 1	16.416	≥ 0.5	Pass
g_2462MHz_Chain 0	16.480	≥ 0.5	Pass
g_2462MHz_Chain 1	16.384	≥ 0.5	Pass
n20_2412MHz_Chain 0	17.664	≥ 0.5	Pass
n20_2412MHz_Chain 1	17.664	≥ 0.5	Pass
n20_2437MHz_Chain 0	17.600	≥ 0.5	Pass
n20_2437MHz_Chain 1	17.632	≥ 0.5	Pass
n20_2462MHz_Chain 0	17.632	≥ 0.5	Pass
n20_2462MHz_Chain 1	17.664	≥ 0.5	Pass

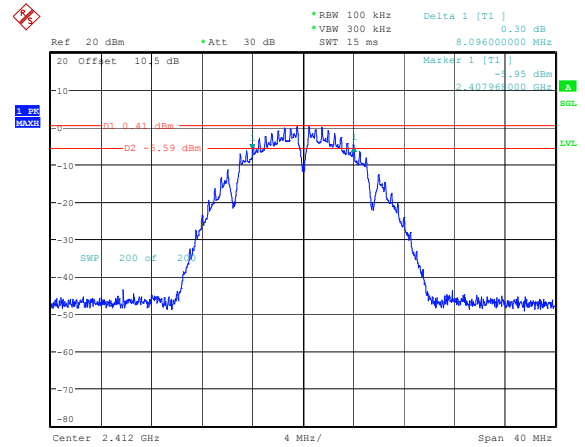
2.4G

b_2412MHz_Chain 0 8.096MHz



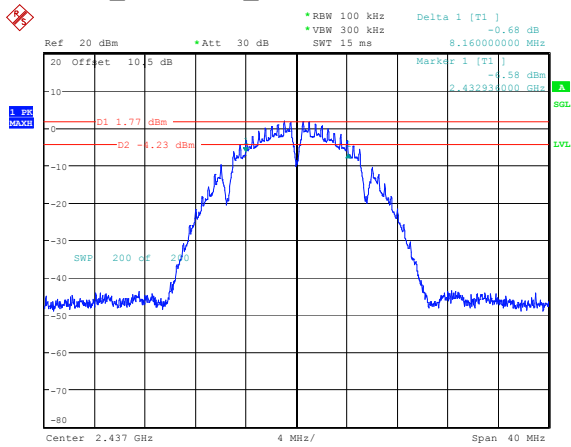
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:41:21

b_2412MHz_Chain 1 8.096MHz



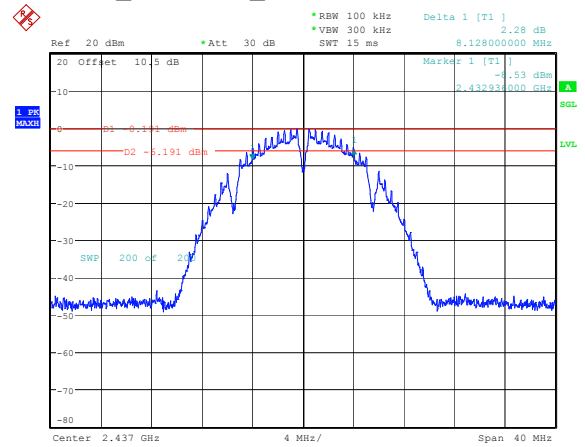
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:02:08

b_2437MHz_Chain 0 8.160MHz



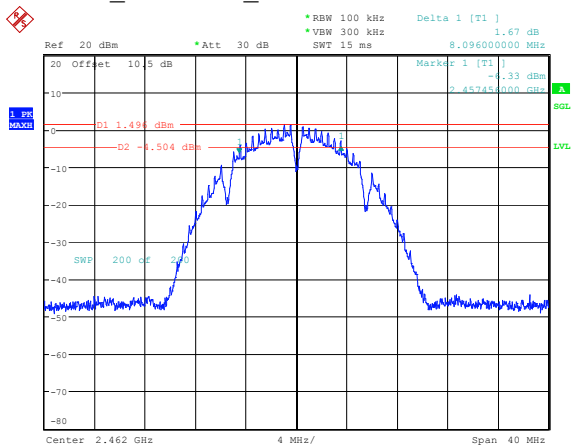
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:43:47

b_2437MHz_Chain 1 8.128MHz



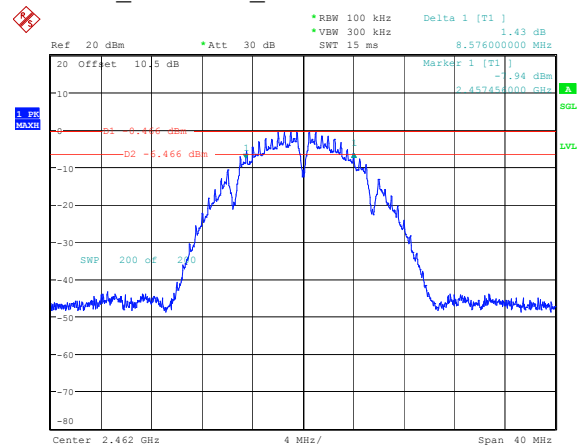
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:04:16

b_2462MHz_Chain 0 8.096MHz



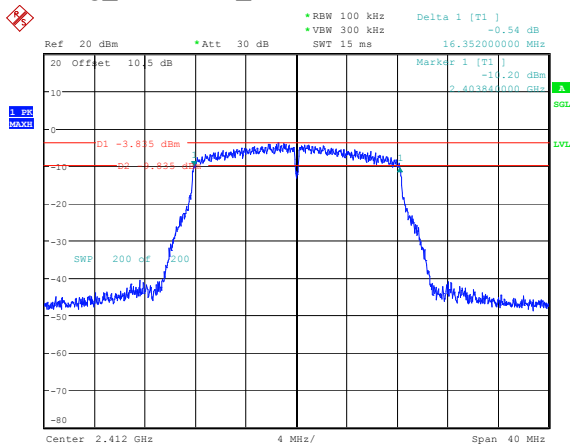
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:47:37

b_2462MHz_Chain 1 8.576MHz

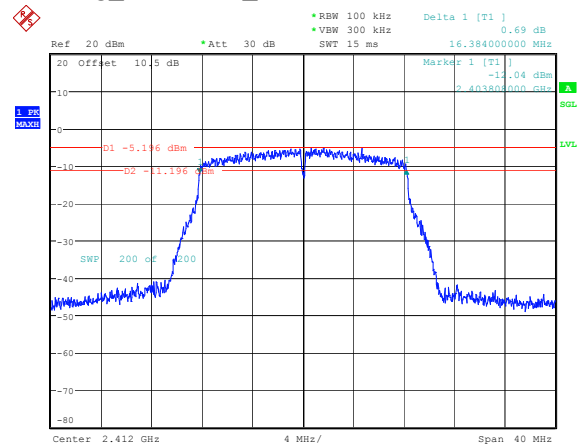


Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:07:24

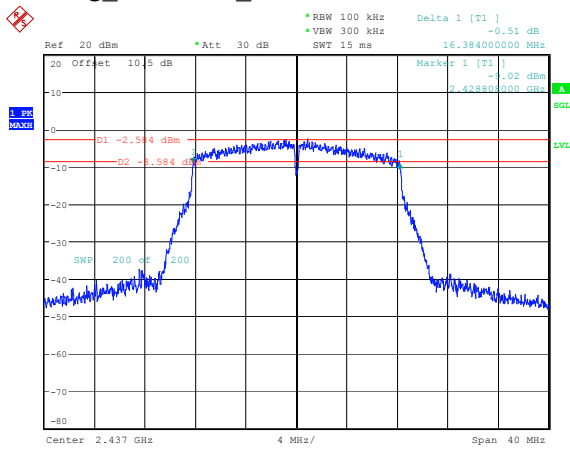
g_2412MHz_Chain 0 16.352MHz



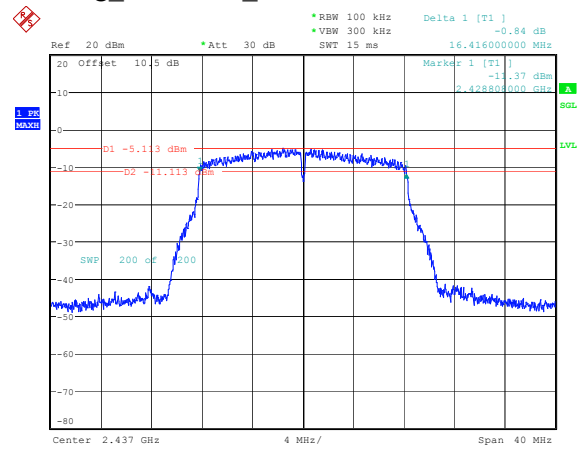
g_2412MHz_Chain 1 16.384MHz



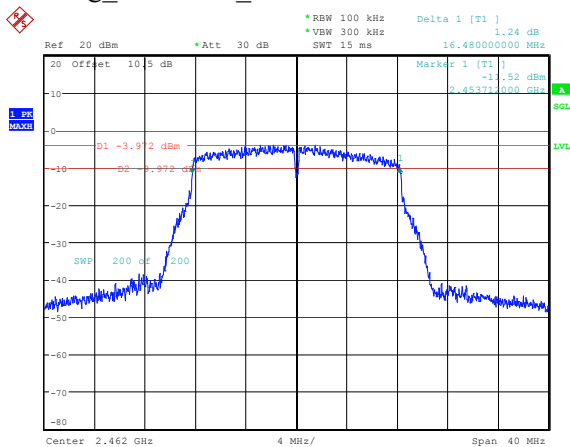
g_2437MHz_Chain 0 16.384MHz



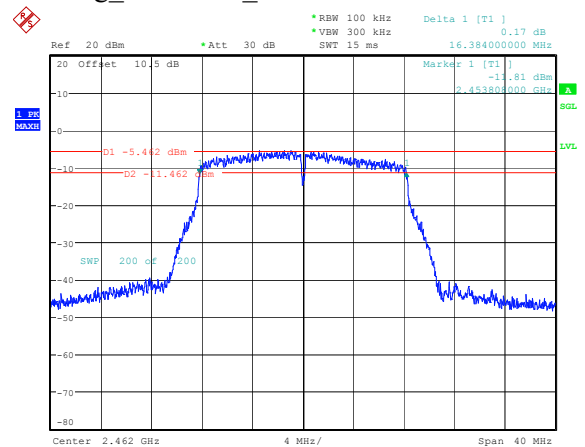
g_2437MHz_Chain 1 16.416MHz



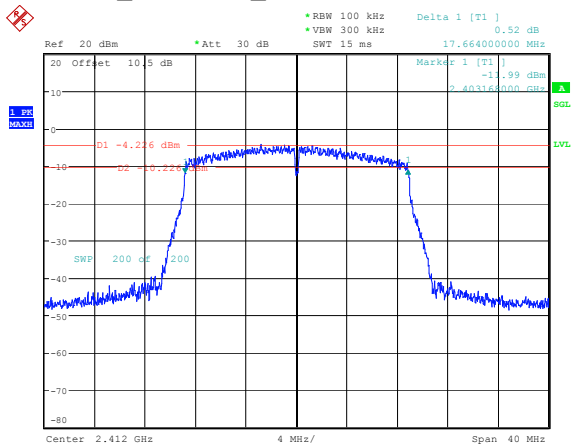
g_2462MHz_Chain 0 16.480MHz



g_2462MHz_Chain 1 16.384MHz

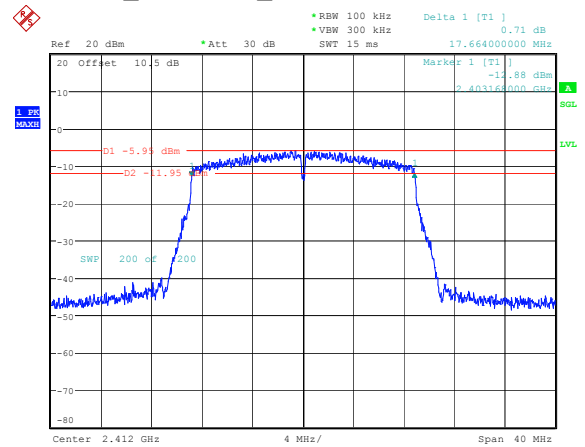


n20_2412MHz_Chain 0 17.664MHz



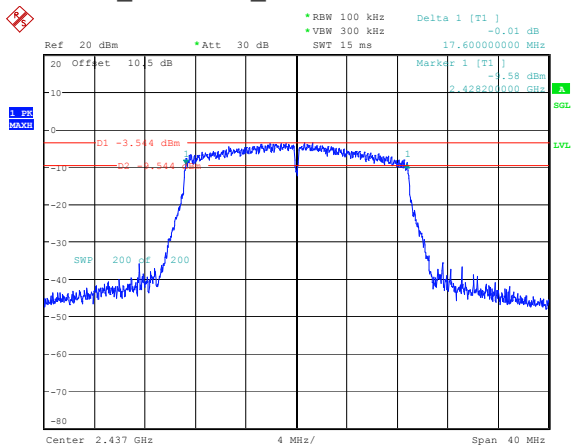
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 11:01:25

n20_2412MHz_Chain 1 17.664MHz



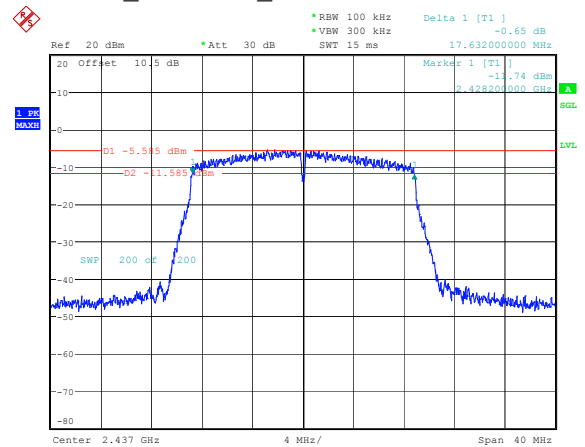
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:32:58

n20_2437MHz_Chain 0 17.600MHz



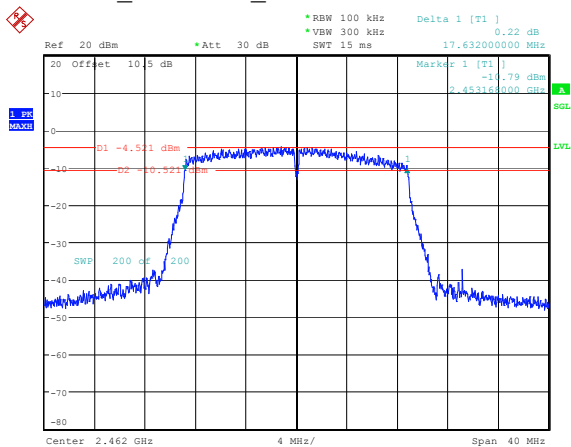
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 11:04:47

n20_2437MHz_Chain 1 17.632MHz



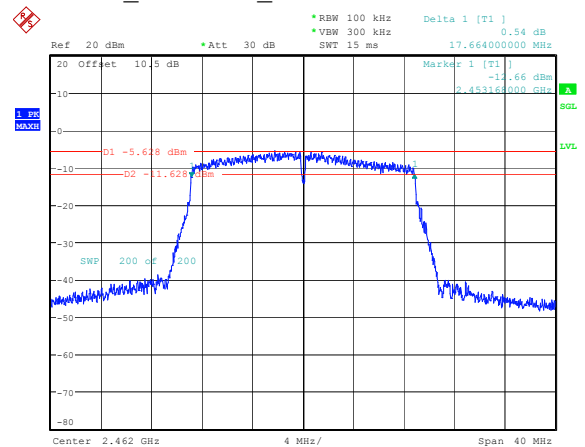
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:35:10

n20_2462MHz_Chain 0 17.632MHz



Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 11:08:35

n20_2462MHz_Chain 1 17.664MHz



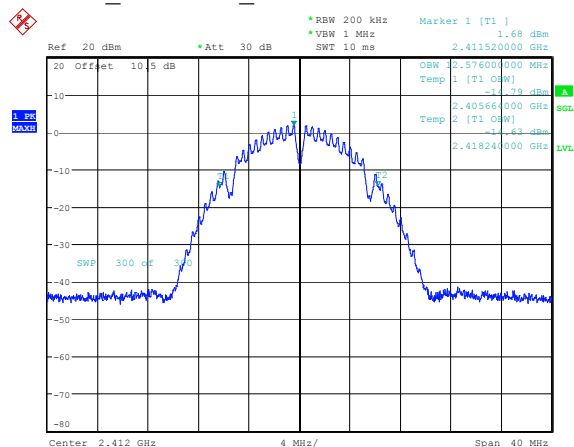
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:38:38

99% Occupied Bandwidth**2.4G**

Mode	99% OBW (MHz)
b_2412MHz_Chain 0	12.576
b_2412MHz_Chain 1	12.864
b_2437MHz_Chain 0	12.928
b_2437MHz_Chain 1	12.800
b_2462MHz_Chain 0	12.800
b_2462MHz_Chain 1	13.088
g_2412MHz_Chain 0	16.512
g_2412MHz_Chain 1	16.544
g_2437MHz_Chain 0	16.512
g_2437MHz_Chain 1	16.544
g_2462MHz_Chain 0	16.576
g_2462MHz_Chain 1	16.608
n20_2412MHz_Chain 0	17.600
n20_2412MHz_Chain 1	17.696
n20_2437MHz_Chain 0	17.632
n20_2437MHz_Chain 1	17.632
n20_2462MHz_Chain 0	17.632
n20_2462MHz_Chain 1	17.696

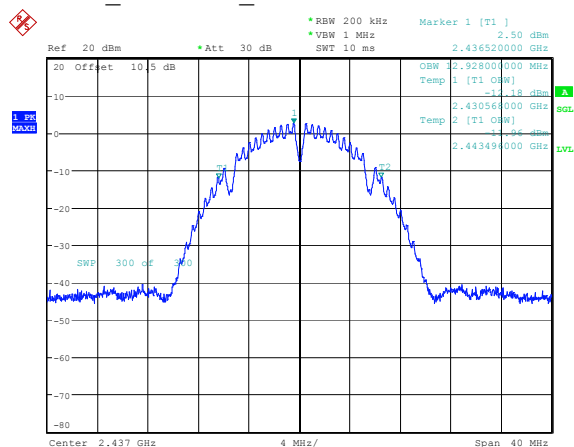
2.4G

b 2412MHz Chain 0 12.576MHz



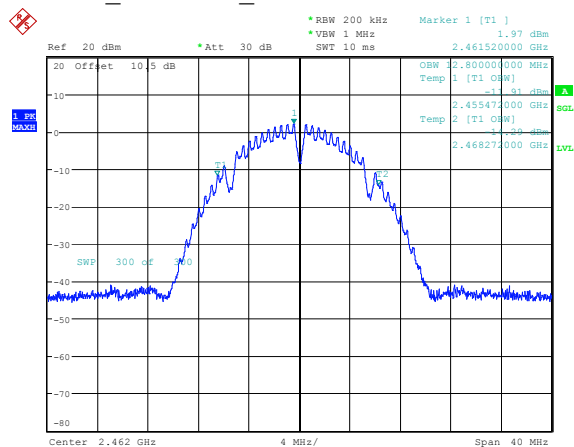
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:41:54

b 2437MHz Chain 0 12.928MHz



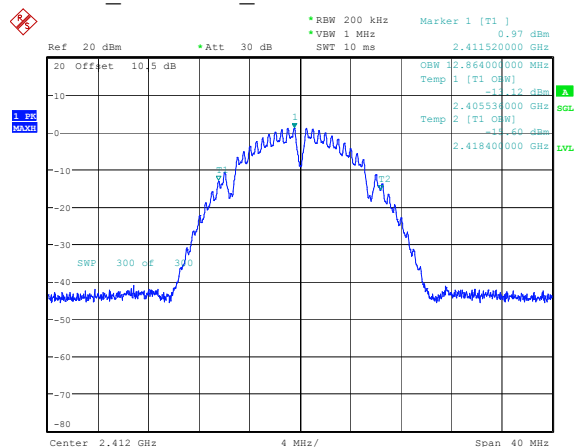
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:44:17

b 2462MHz Chain 0 12.800MHz



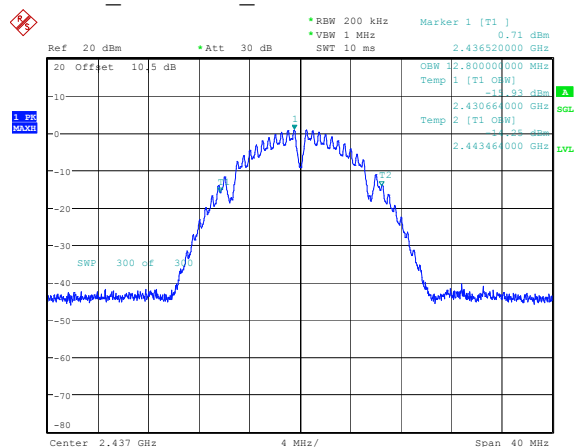
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:48:11

b 2412MHz Chain 1 12.864MHz



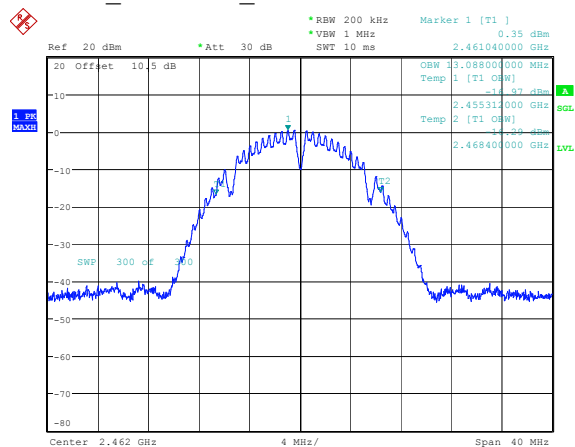
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:02:40

b 2437MHz Chain 1 12.800MHz



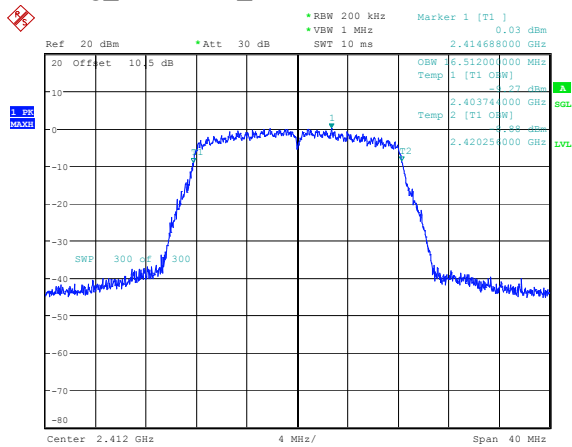
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:04:46

b 2462MHz Chain 1 13.088MHz

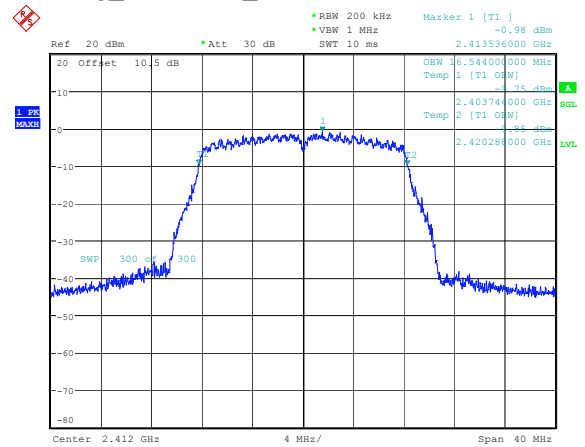


Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:07:55

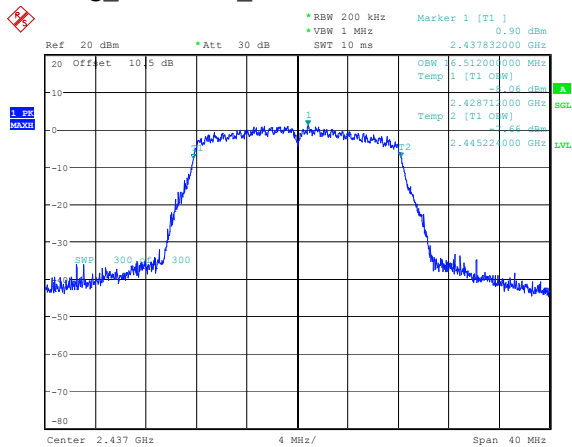
g_2412MHz_Chain 0 16.512MHz



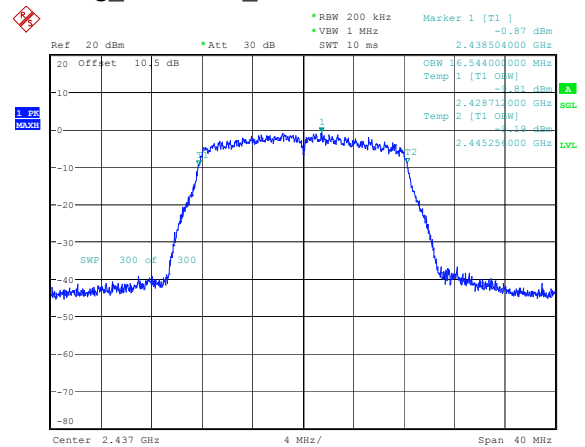
g_2412MHz_Chain 1 16.544MHz



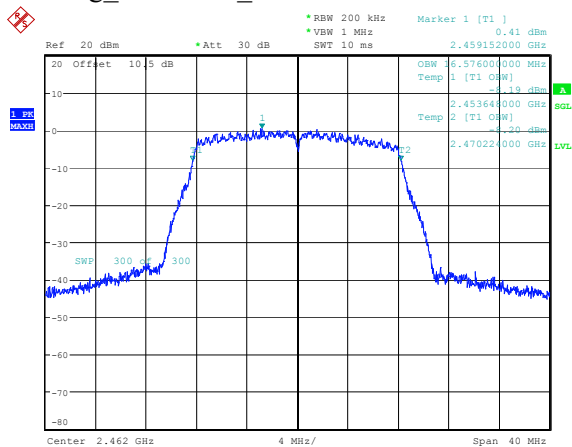
g_2437MHz_Chain 0 16.512MHz



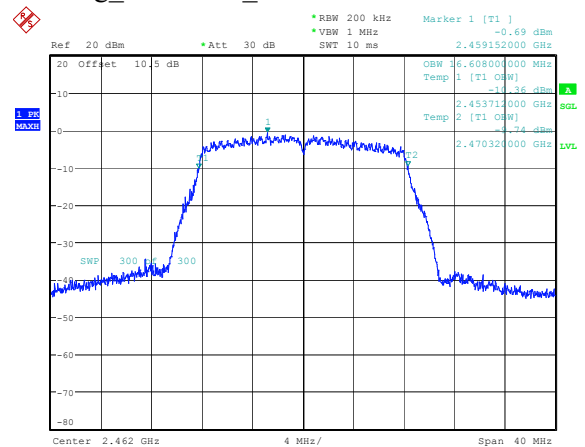
g_2437MHz_Chain 1 16.544MHz



g_2462MHz_Chain 0 16.576MHz



g_2462MHz_Chain 1 16.608MHz



Maximum Conducted Output Power**2.4G**

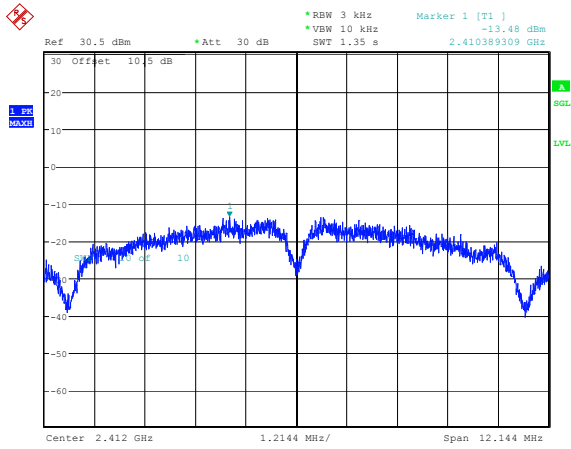
Mode	Peak Output Power (dBm)	Average Output Power (dBm)	Limit (dBm)	Result
b_2412MHz_Chain 0	12.40	8.68	30	Pass
b_2412MHz_Chain 1	13.03	8.08	30	Pass
b_2437MHz_Chain 0	13.35	9.59	30	Pass
b_2437MHz_Chain 1	11.75	7.75	30	Pass
b_2462MHz_Chain 0	13.22	9.06	30	Pass
b_2462MHz_Chain 1	11.56	7.50	30	Pass
g_2412MHz_Chain 0	18.03	8.94	30	Pass
g_2412MHz_Chain 1	16.61	7.91	30	Pass
g_2437MHz_Chain 0	18.42	9.76	30	Pass
g_2437MHz_Chain 1	16.43	7.80	30	Pass
g_2462MHz_Chain 0	17.51	9.19	30	Pass
g_2462MHz_Chain 1	16.50	7.68	30	Pass
n20_2412MHz_Chain 0	17.82	8.87	30	Pass
n20_2412MHz_Chain 1	16.79	7.33	30	Pass
n20_2437MHz_Chain 0	18.21	9.48	30	Pass
n20_2437MHz_Chain 1	16.33	7.80	30	Pass
n20_2462MHz_Chain 0	17.79	9.03	30	Pass
n20_2462MHz_Chain 1	16.21	7.59	30	Pass

Power Spectral Density**2.4G**

Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
b_2412MHz_Chain 0	-13.48	8	Pass
b_2412MHz_Chain 1	-13.27	8	Pass
b_2437MHz_Chain 0	-12.43	8	Pass
b_2437MHz_Chain 1	-13.34	8	Pass
b_2462MHz_Chain 0	-13.42	8	Pass
b_2462MHz_Chain 1	-13.63	8	Pass
g_2412MHz_Chain 0	-15.89	8	Pass
g_2412MHz_Chain 1	-16.08	8	Pass
g_2437MHz_Chain 0	-14.57	8	Pass
g_2437MHz_Chain 1	-16.47	8	Pass
g_2462MHz_Chain 0	-15.08	8	Pass
g_2462MHz_Chain 1	-17.20	8	Pass
n20_2412MHz_Chain 0	-16.04	8	Pass
n20_2412MHz_Chain 1	-17.91	8	Pass
n20_2437MHz_Chain 0	-14.85	8	Pass
n20_2437MHz_Chain 1	-16.37	8	Pass
n20_2462MHz_Chain 0	-14.82	8	Pass
n20_2462MHz_Chain 1	-16.35	8	Pass

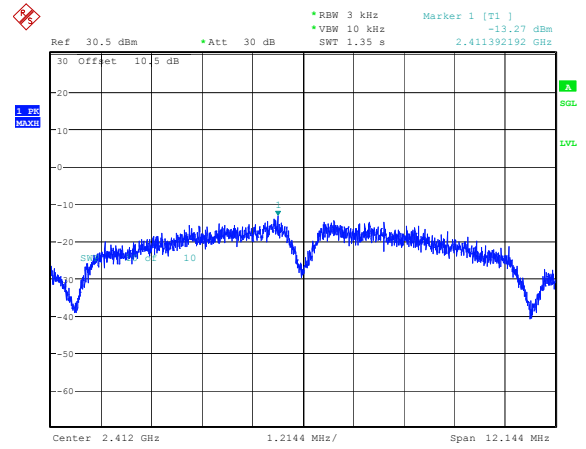
2.4G

b_2412MHz_Chain 0 -13.48dBm/3kHz



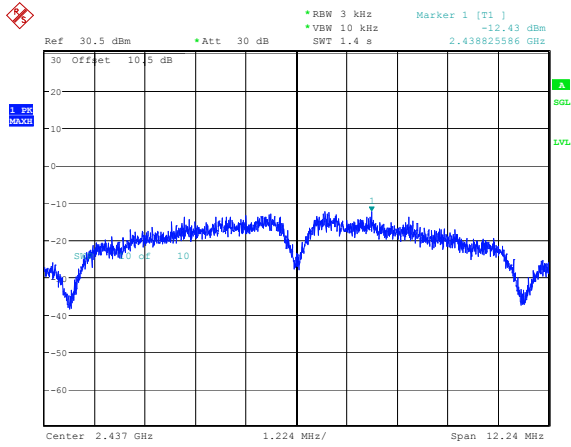
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:43:00

b_2412MHz_Chain 1 -13.27dBm/3kHz



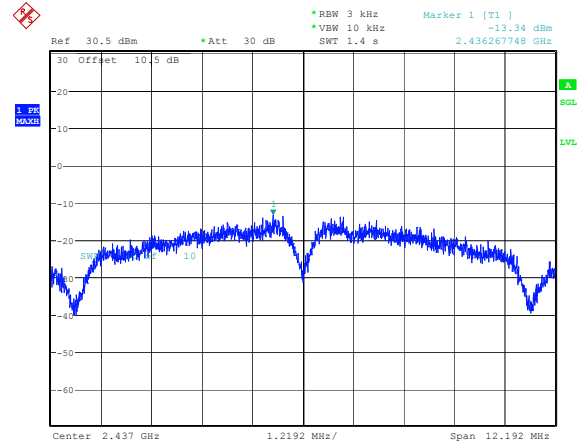
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:03:19

b_2437MHz_Chain 0 -12.43dBm/3kHz



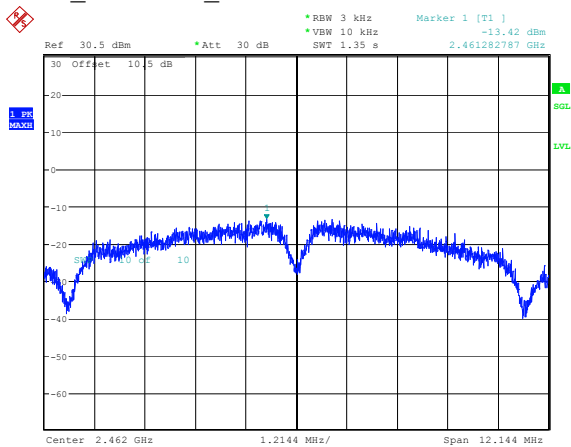
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:45:27

b_2437MHz_Chain 1 -13.34dBm/3kHz



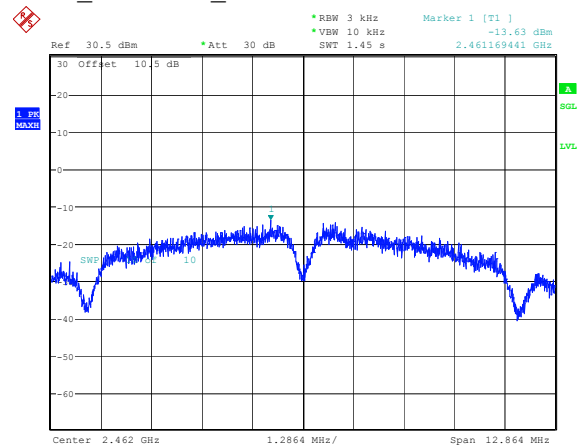
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:05:30

b_2462MHz_Chain 0 -13.42dBm/3kHz



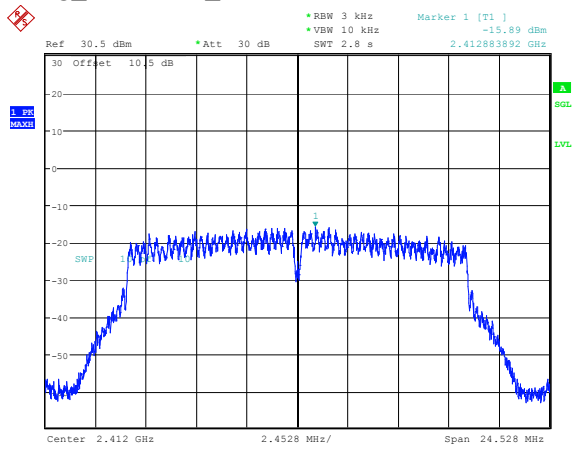
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:49:08

b_2462MHz_Chain 1 -13.63dBm/3kHz



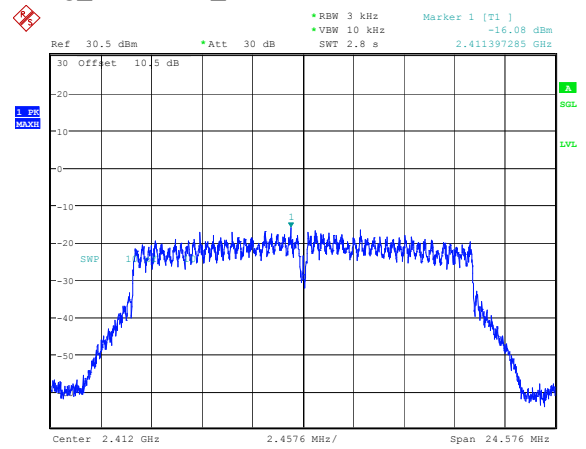
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:08:36

g_2412MHz_Chain 0 -15.89dBm/3kHz



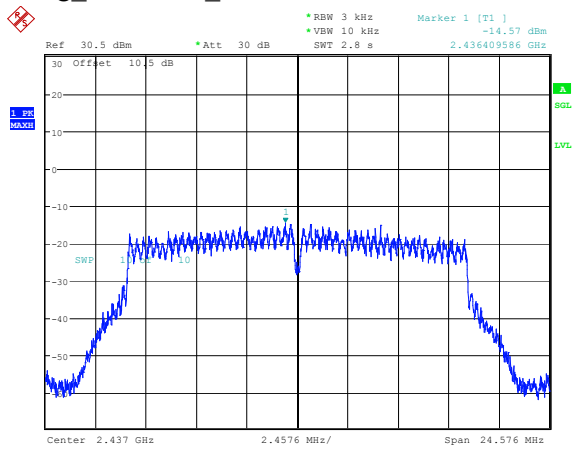
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:53:12

g_2412MHz_Chain 1 -16.08dBm/3kHz



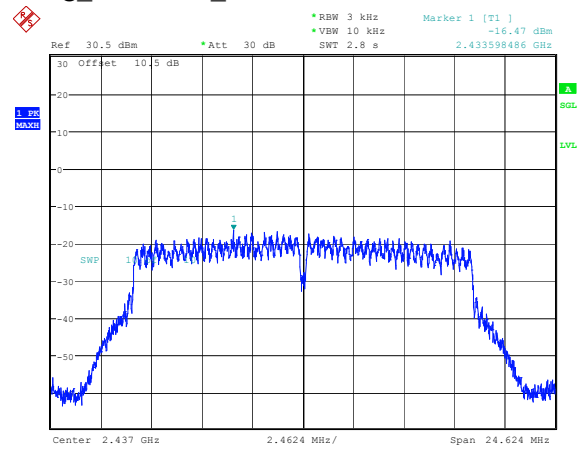
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:12:00

g_2437MHz_Chain 0 -14.57dBm/3kHz



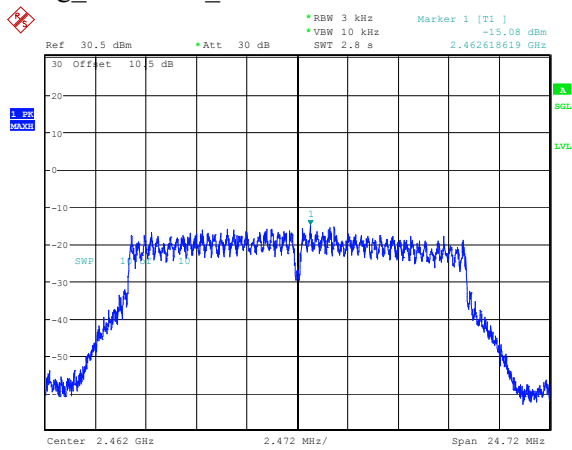
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:55:38

g_2437MHz_Chain 1 -16.47dBm/3kHz



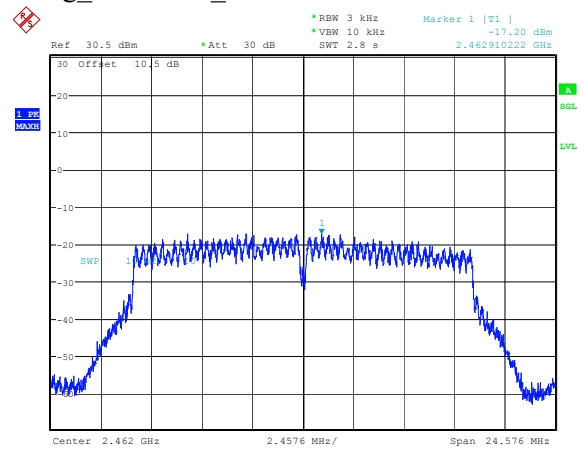
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:15:55

g_2462MHz_Chain 0 -15.08dBm/3kHz



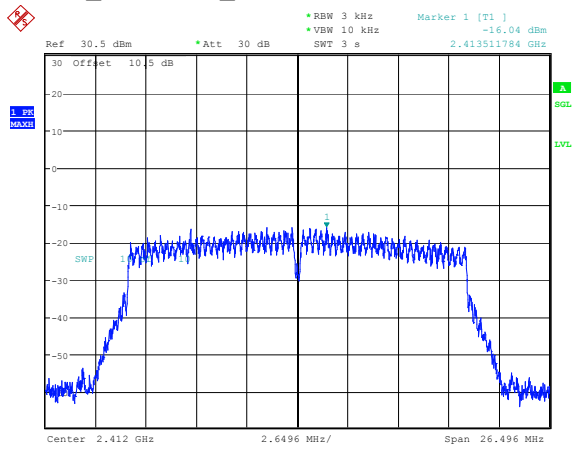
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:59:09

g_2462MHz_Chain 1 -17.20dBm/3kHz



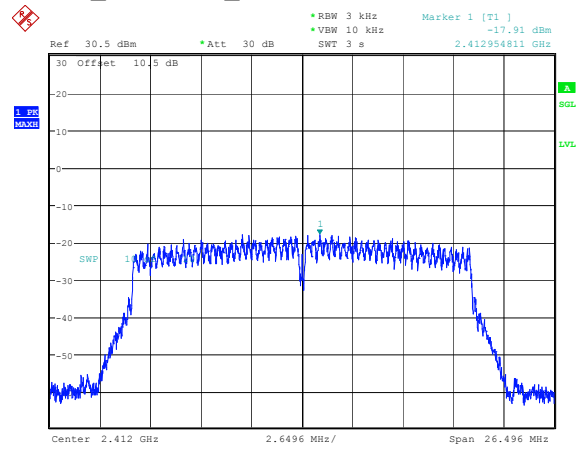
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:28:37

n20_2412MHz_Chain 0 -16.04dBm/3kHz



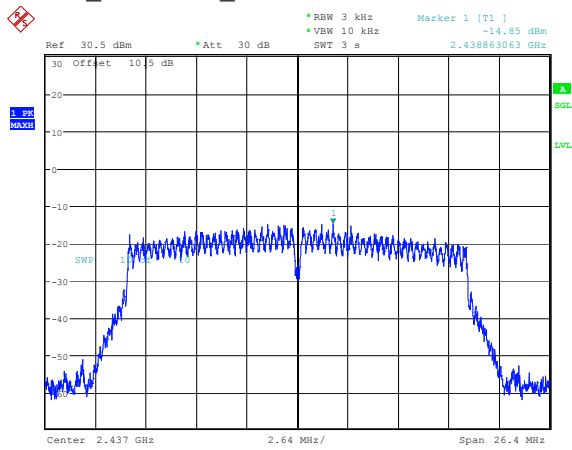
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 11:03:30

n20_2412MHz_Chain 1 -17.91dBm/3kHz



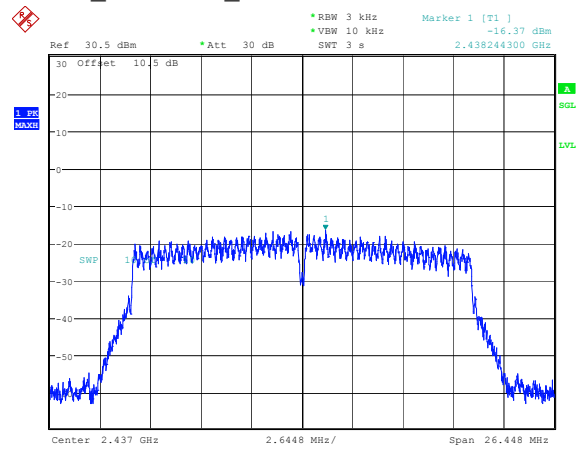
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:34:27

n20_2437MHz_Chain 0 -14.85dBm/3kHz



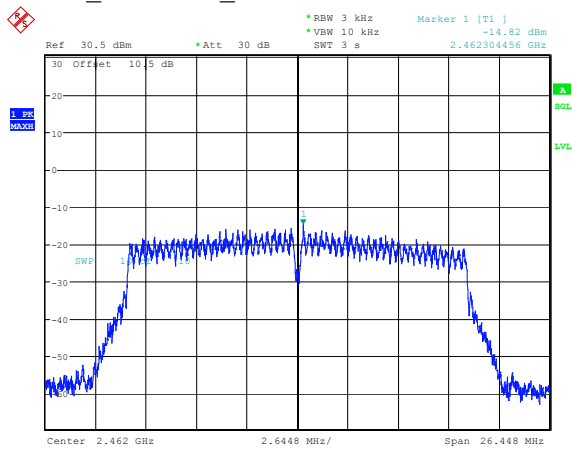
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 11:06:40

n20_2437MHz_Chain 1 -16.37dBm/3kHz



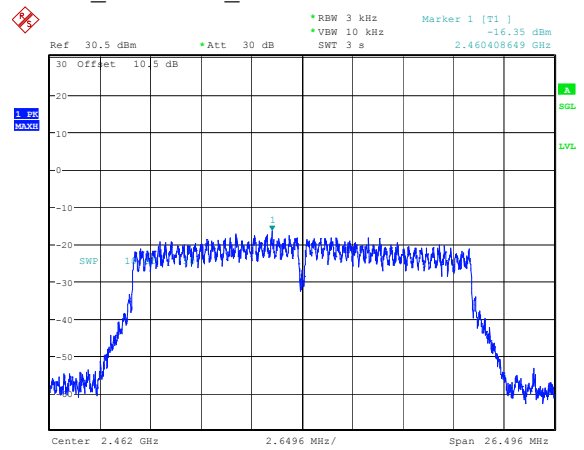
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:36:37

n20_2462MHz_Chain 0 -14.82dBm/3kHz



Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 11:10:21

n20_2462MHz_Chain 1 -16.35dBm/3kHz



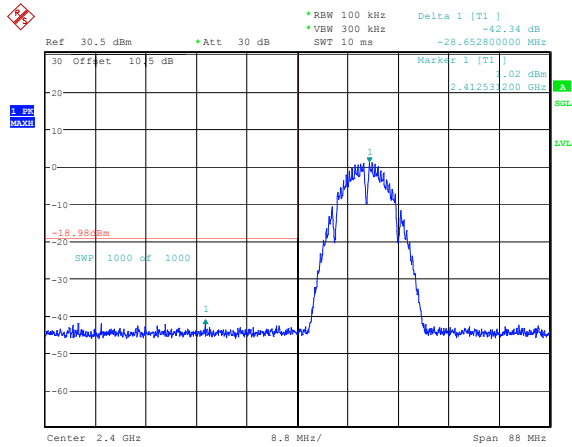
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:44:23

100 kHz Bandwidth of Frequency Band Edge**2.4G**

Mode	Value (dB)	Limit (dB)	Result
b_2412MHz_Chain 0	42.34	20	Pass
b_2412MHz_Chain 1	42.50	20	Pass
b_2462MHz_Chain 0	43.77	20	Pass
b_2462MHz_Chain 1	42.24	20	Pass
g_2412MHz_Chain 0	37.05	20	Pass
g_2412MHz_Chain 1	34.10	20	Pass
g_2462MHz_Chain 0	37.50	20	Pass
g_2462MHz_Chain 1	37.50	20	Pass
n20_2412MHz_Chain 0	32.55	20	Pass
n20_2412MHz_Chain 1	34.92	20	Pass
n20_2462MHz_Chain 0	37.79	20	Pass
n20_2462MHz_Chain 1	36.63	20	Pass

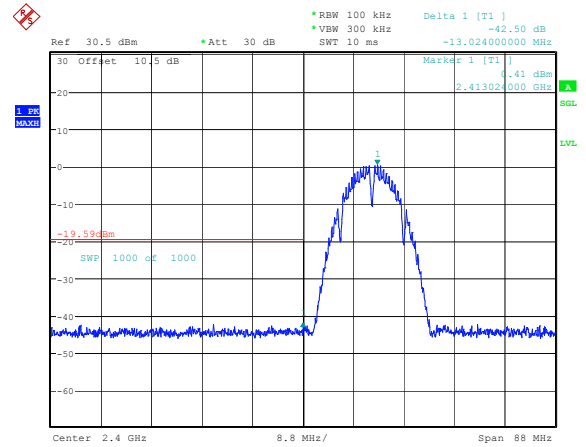
2.4G

b_2412MHz_Chain 0 42.34dB



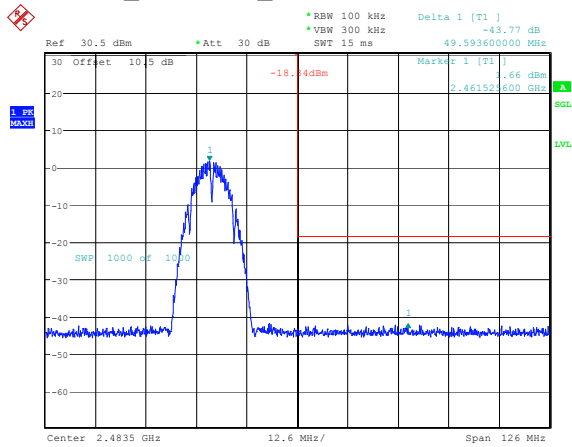
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:40:54

b_2412MHz_Chain 1 42.50dB



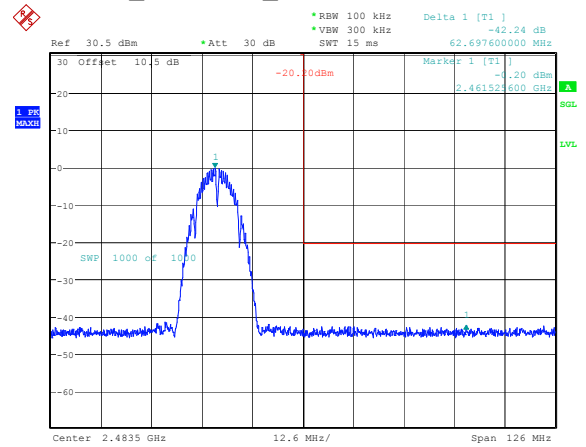
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:01:42

b_2462MHz_Chain 0 43.77dB



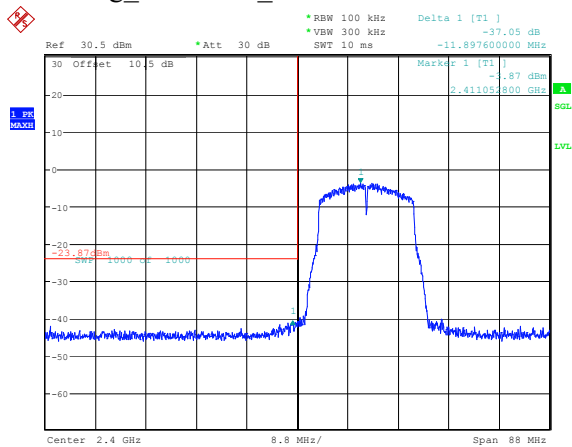
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:47:09

b_2462MHz_Chain 1 42.24dB



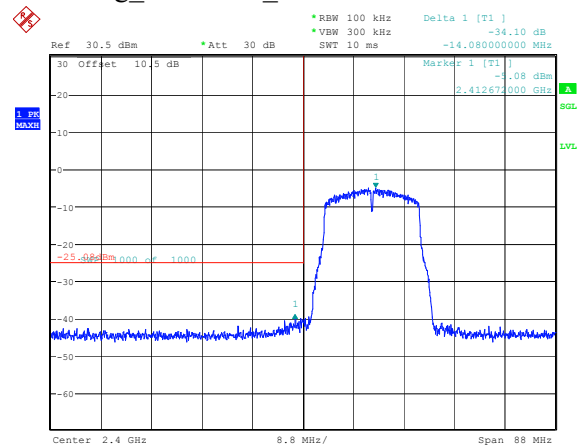
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:06:55

g_2412MHz_Chain 0 37.05dB



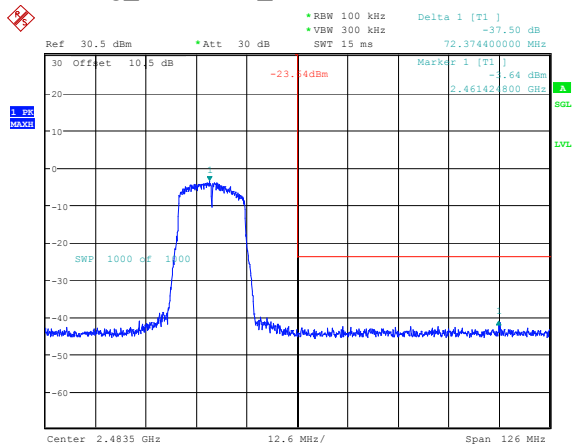
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:50:58

g_2412MHz_Chain 1 34.10dB



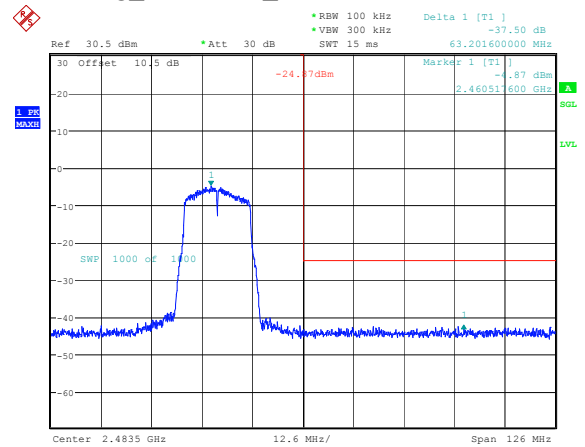
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:10:10

g_2462MHz_Chain 0 37.50dB



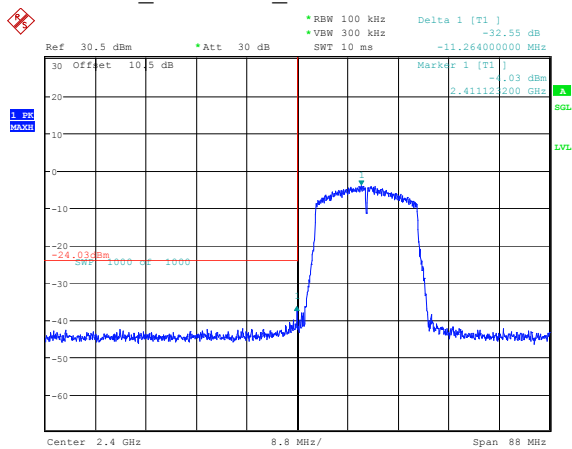
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:57:00

g_2462MHz_Chain 1 37.50dB



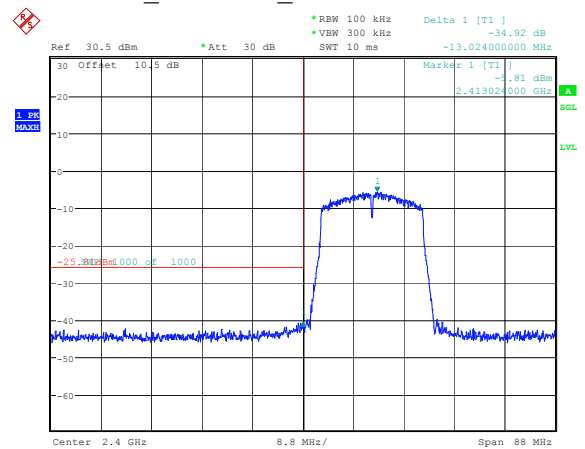
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:26:41

n20_2412MHz_Chain 0 32.55dB



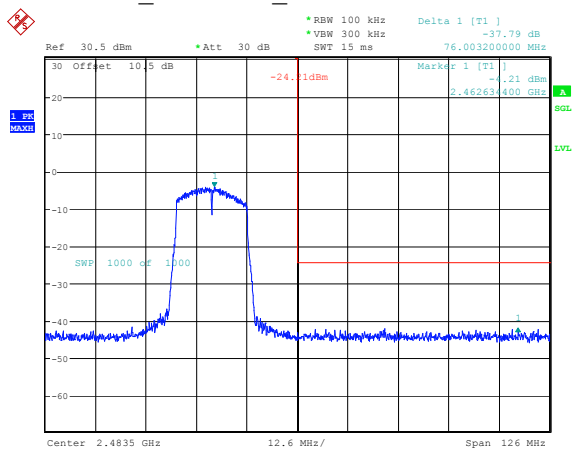
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 11:00:59

n20_2412MHz_Chain 1 34.92dB



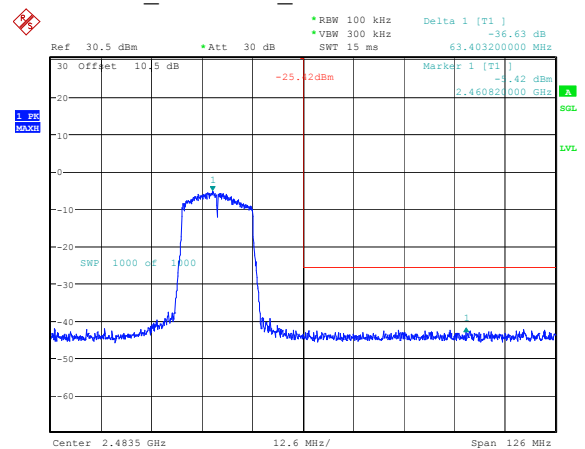
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:32:32

n20_2462MHz_Chain 0 37.79dB



Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 11:08:04

n20_2462MHz_Chain 1 36.63dB



Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 15:38:07

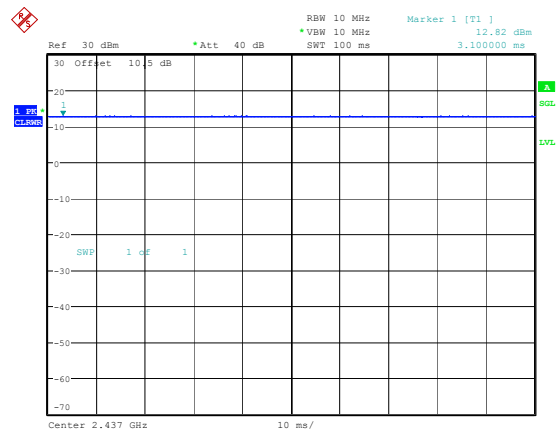
Duty Cycle**2.4G**

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
b_2437MHz_Chain 0	100	100	100	0	NA	0.010
g_2437MHz_Chain 0	100	100	100	0	NA	0.010
n20_2437MHz_Chain 0	100	100	100	0	NA	0.010

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

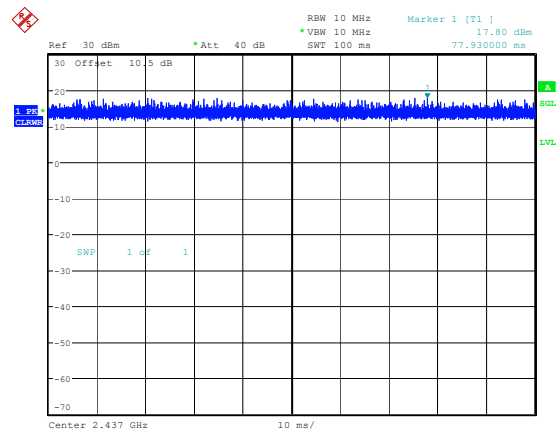
2.4G

b_2437MHz_Chain 0
100ms,100ms



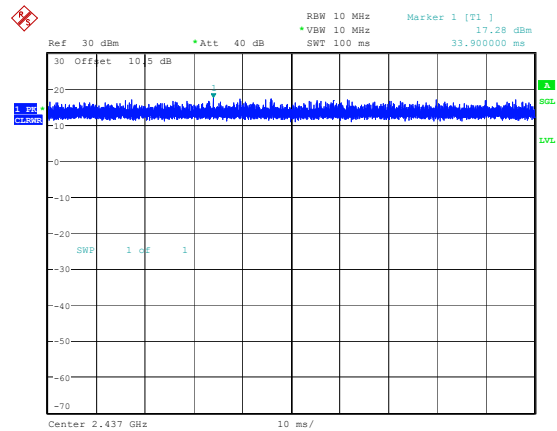
Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:44:44

g_2437MHz_Chain 0
100ms,100ms



Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 10:54:40

n20_2437MHz_Chain 0
100ms,100ms



Comment: ProjectNo.:2403W26164E-RF Tester:Lingling Li
Date: 29.AUG.2024 11:05:39