

Test Information:

Sample No.:	2XL7-1	Test Date:	2025/01/23
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.6	Relative Humidity: (%)	52	ATM Pressure: (kPa)	101.1
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Test Equipment List and Details:

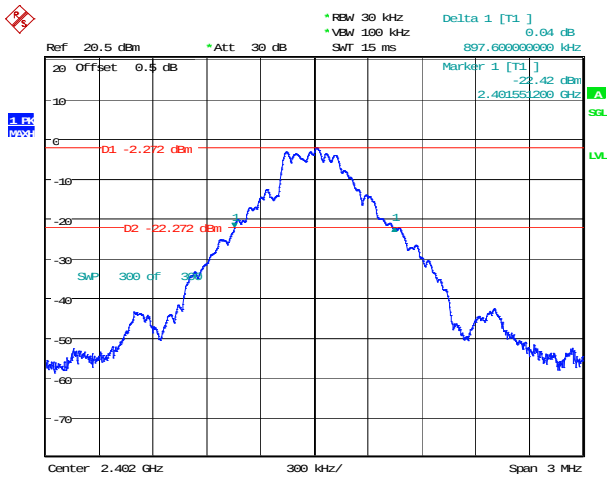
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	100147	2024/04/01	2025/03/31
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
YINSAIGE	Coaxial Cable	LMR300	NJ0100001	Each time	N/A

* 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).

20 dB Emission Bandwidth

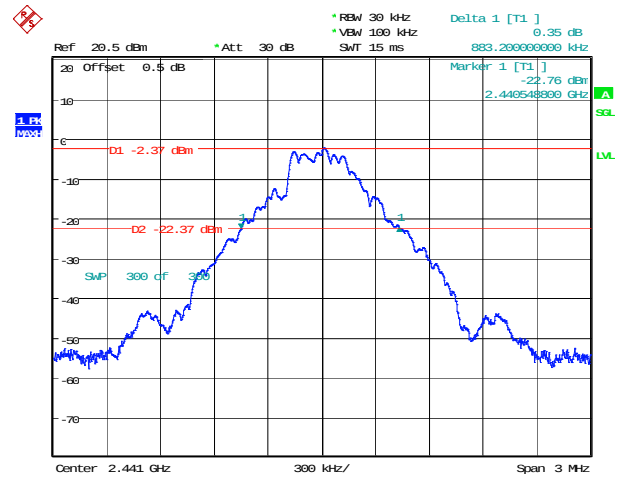
Mode	Channel	Result (MHz)
DH1	Low	0.898
	Middle	0.883
	High	0.883
2DH1	Low	1.272
	Middle	1.267
	High	1.270
3DH1	Low	1.260
	Middle	1.265
	High	1.262

DH1_Low



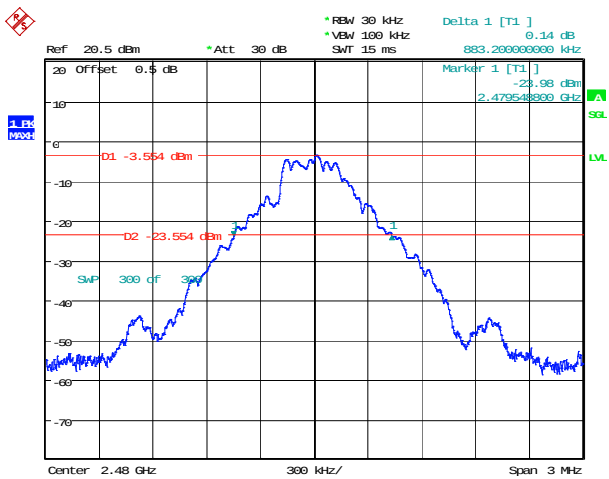
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 10:56:49

DH1_Middle



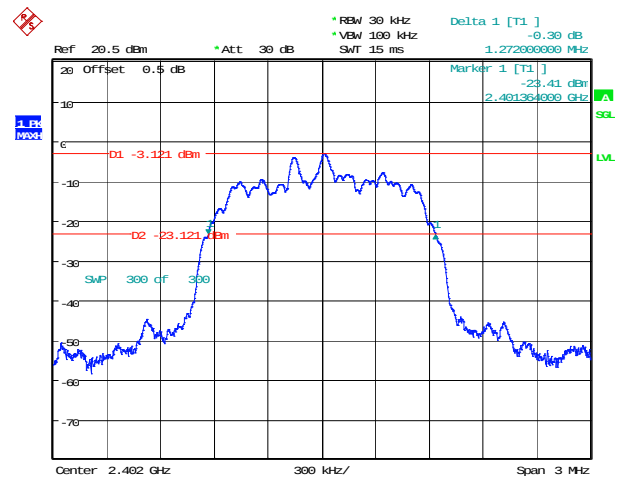
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:00:56

DH1_High



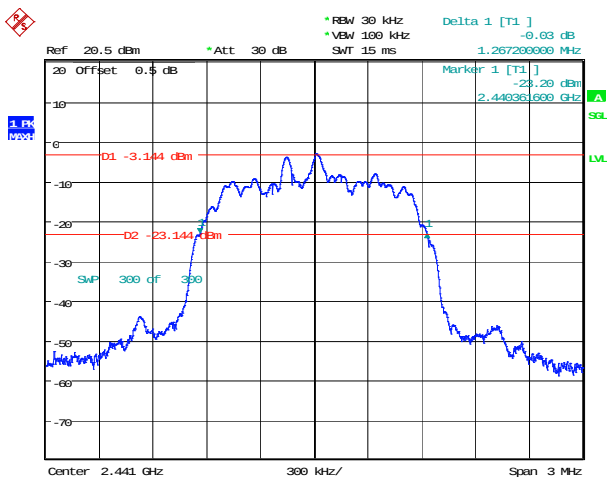
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:04:49

2DH1_Low



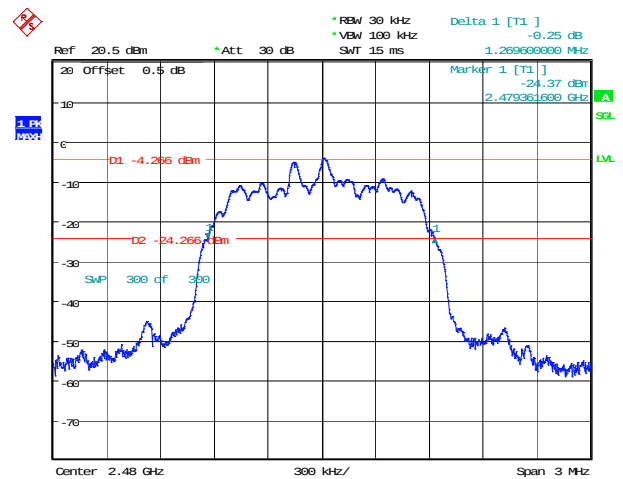
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:09:29

2DH1_Middle



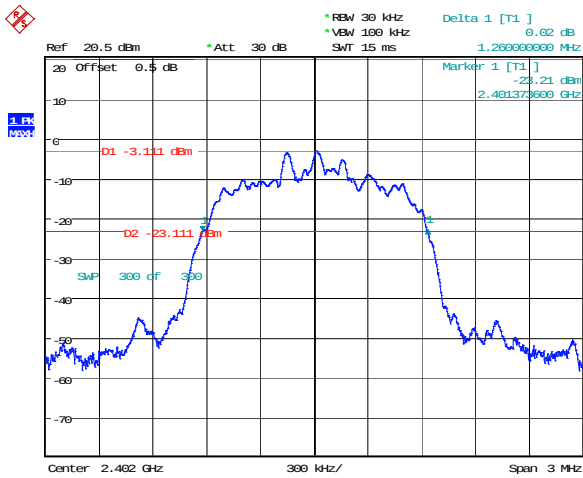
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:12:59

2DH1_High



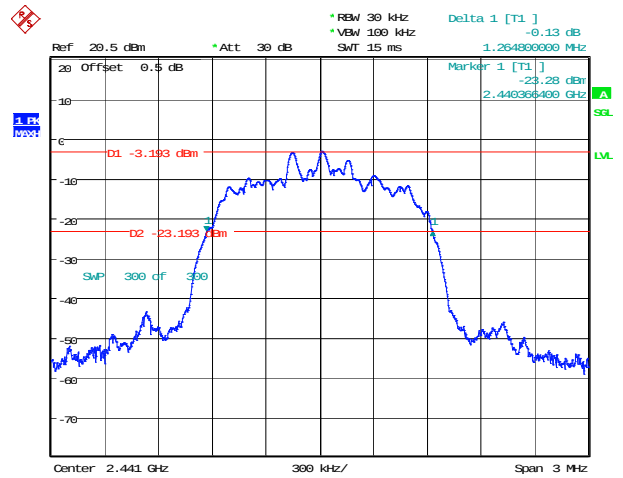
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:15:32

3DH1_Low



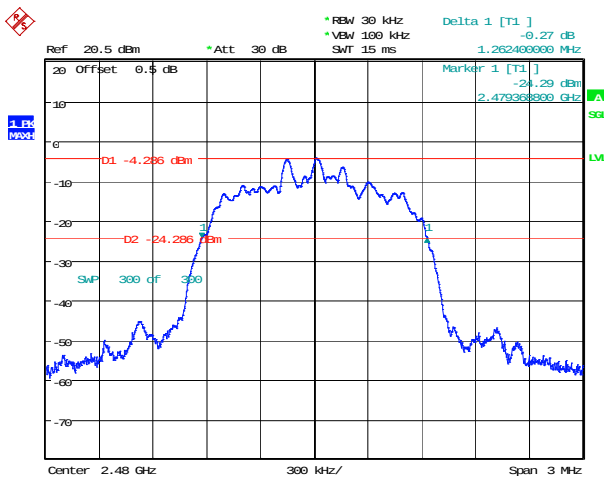
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:19:19

3DH1_Middle



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:23:08

3DH1_High

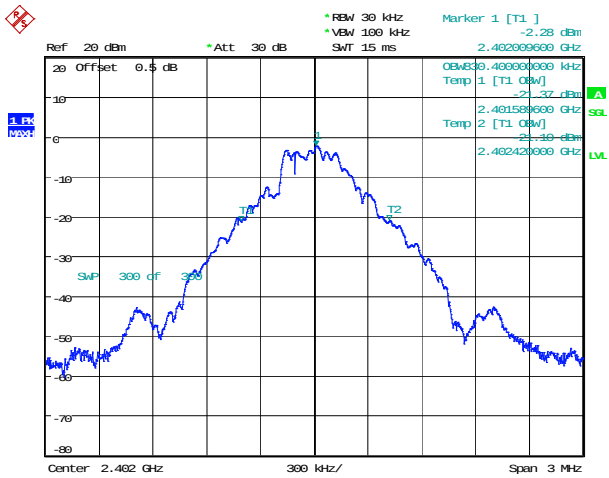


Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:25:44

99% Occupied Bandwidth

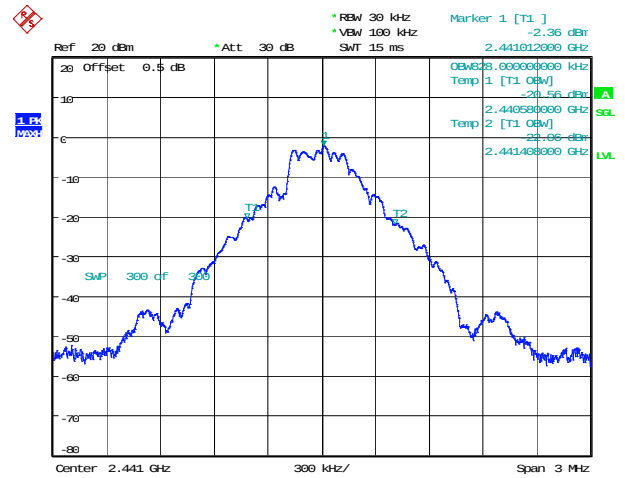
Mode	Channel	99% OBW (MHz)
DH1	Low	0.830
	Middle	0.828
	High	0.826
2DH1	Low	1.166
	Middle	1.169
	High	1.166
3DH1	Low	1.152
	Middle	1.152
	High	1.150

DH1_Low



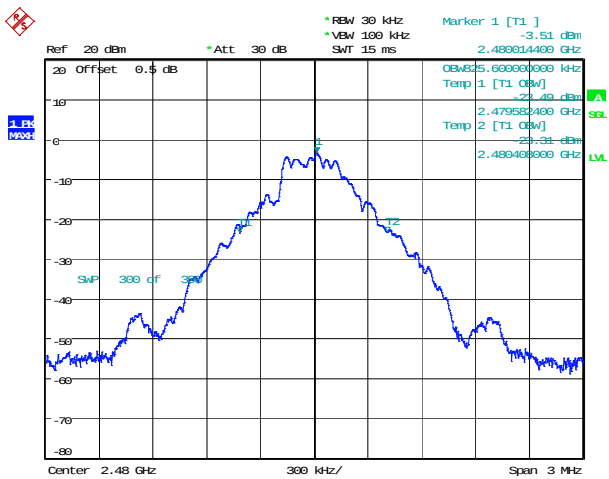
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 10:58:28

DH1_Middle



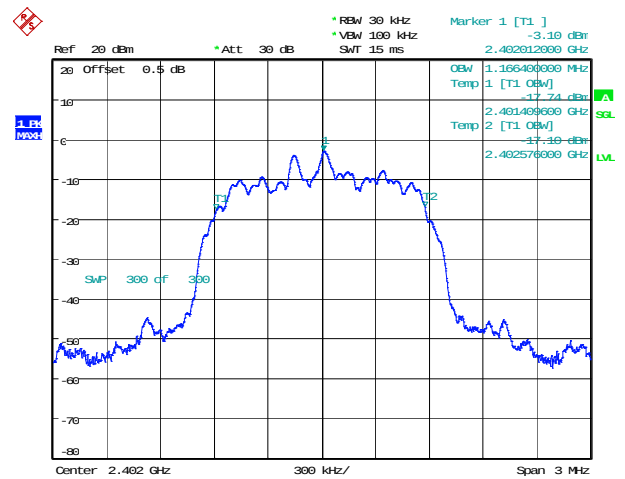
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:01:25

DH1_High



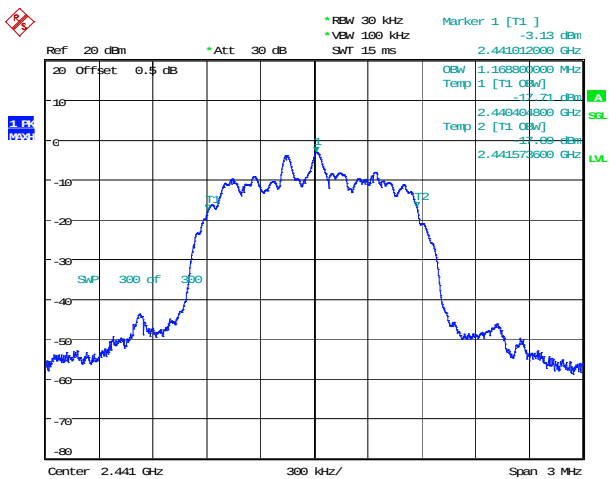
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:06:29

2DH1_Low



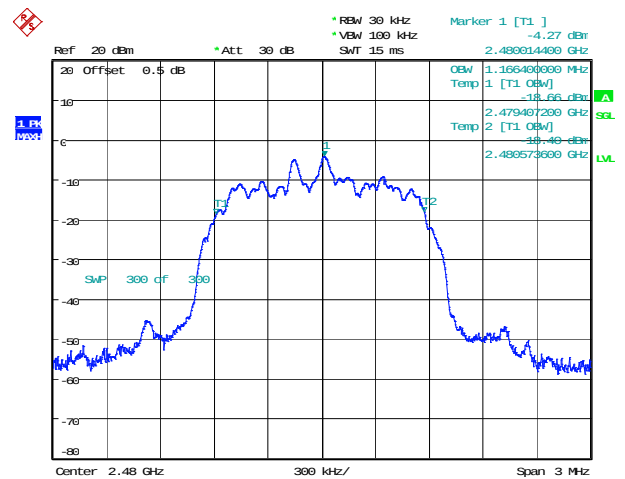
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:10:58

2DH1_Middle



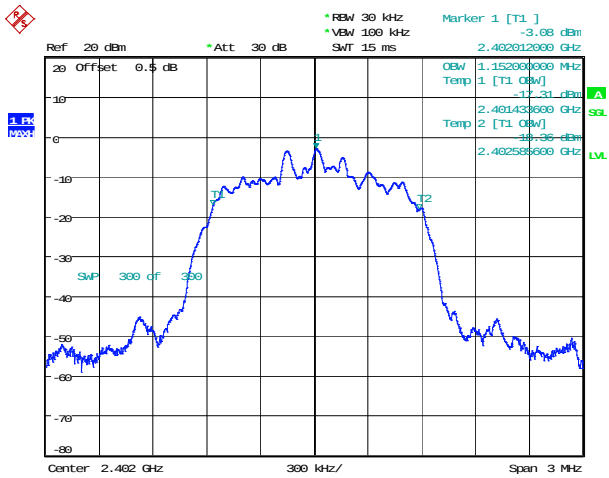
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:13:28

2DH1_High



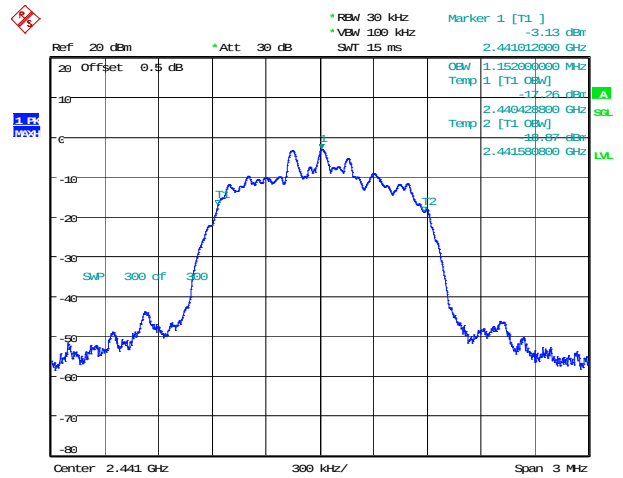
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:17:22

3DH1_Low



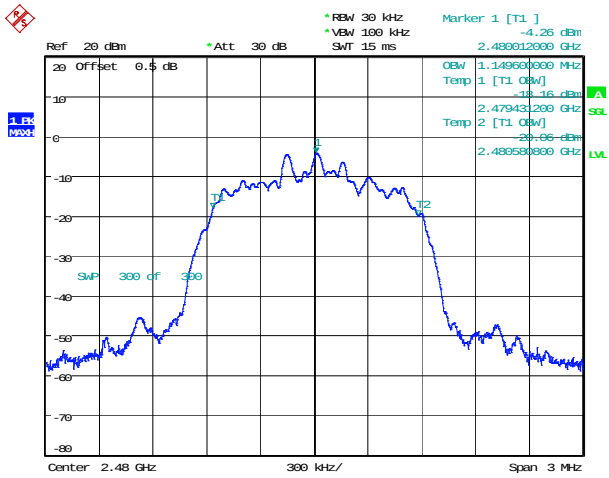
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:20:58

3DH1_Middle



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:23:37

3DH1_High



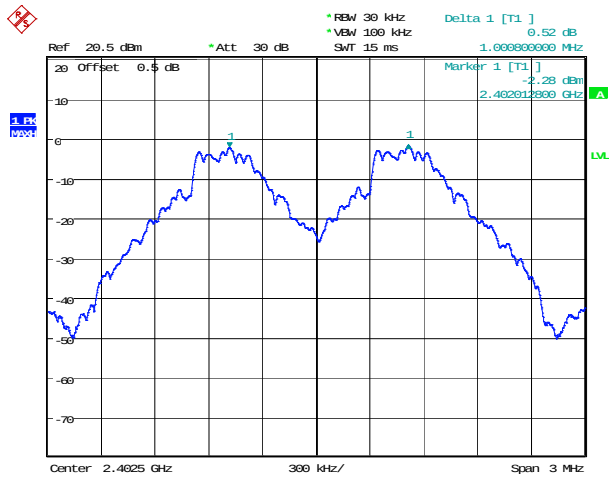
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:27:32

Channel Separation

Mode	Channel	Result (MHz)	Limit (MHz)	Verdict
DH1	Low	1.001	0.848	Pass
	Middle	1.003	0.845	Pass
	High	1.001	0.847	Pass

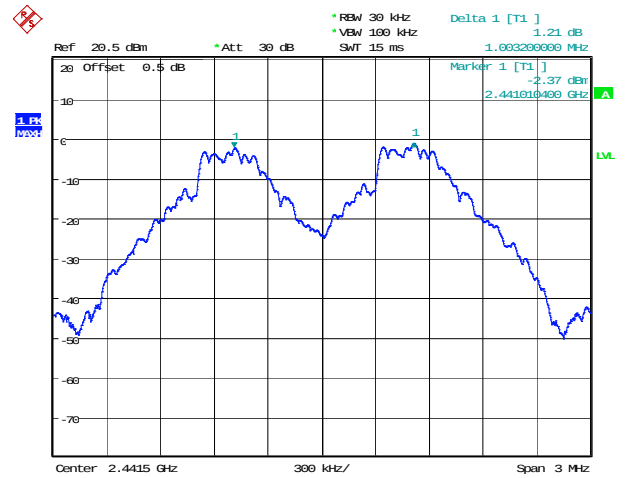
Note: Only the BDR (GFSK) mode result is reported since EDR ($\pi/4$ -DQPSK) and EDR (8DPSK) modes have the exact same channel plan, and the limit is the maximum 20dB bandwidth *2/3.

DH1_Low



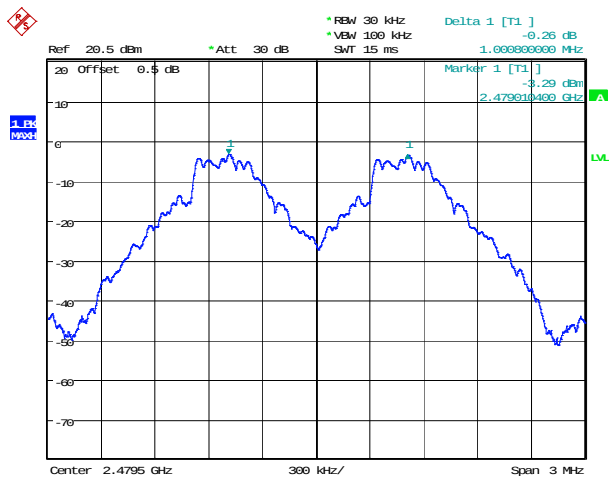
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:00:07

DH1_Middle



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:02:51

DH1_High

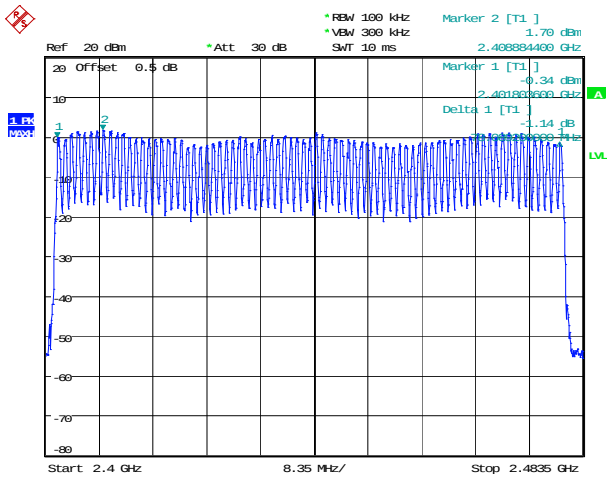


Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:00:38

Number of Hopping Frequency

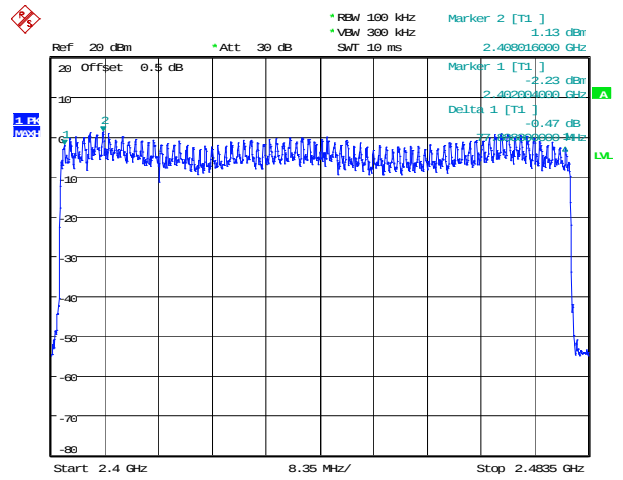
Mode	Channel	Result	Limit	Verdict
DH1	Hopping	79	15	Pass
2DH1	Hopping	79	15	Pass
3DH1	Hopping	79	15	Pass

DH1_Hopping



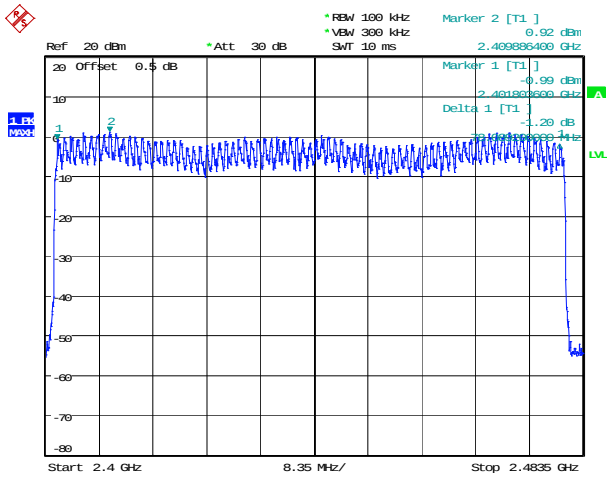
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 13:12:55

2DH1_Hopping



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 13:18:14

3DH1_Hopping

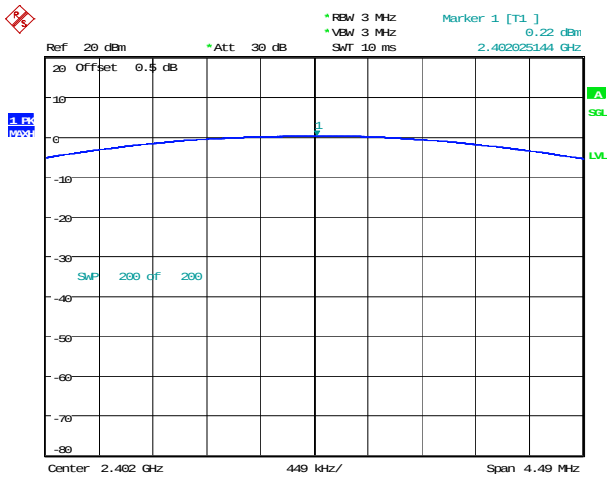


Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 13:23:45

Maximum Conducted Output Power

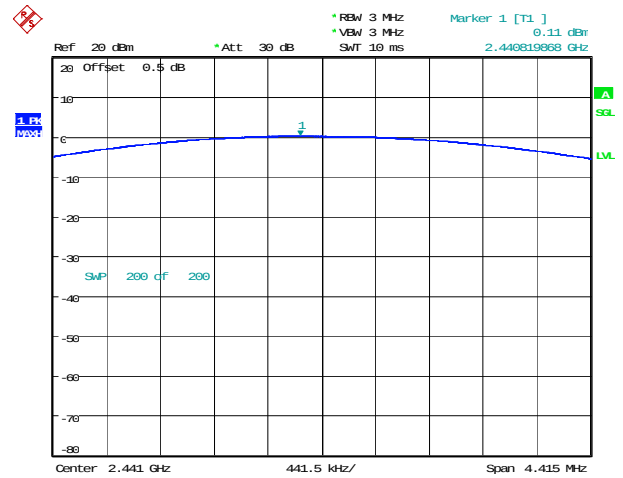
Mode	Test Frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)	Verdict
DH1	2402	0.22	21.00	Pass
	2441	0.11	21.00	Pass
	2480	-1.00	21.00	Pass
2DH1	2402	1.33	21.00	Pass
	2441	1.42	21.00	Pass
	2480	0.23	21.00	Pass
3DH1	2402	2.09	21.00	Pass
	2441	1.93	21.00	Pass
	2480	0.82	21.00	Pass

DH1_Low



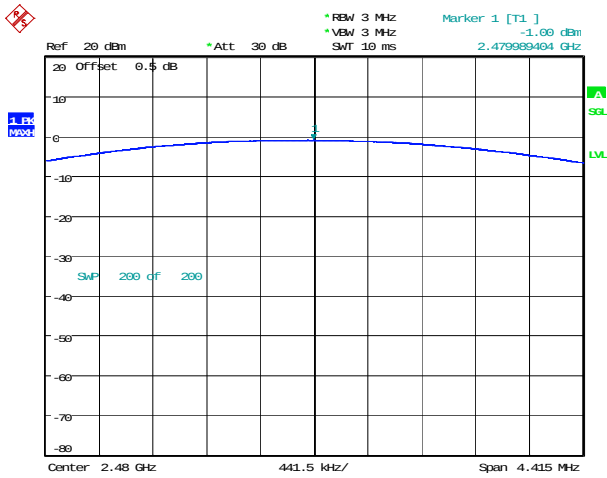
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 10:58:48

DH1_Middle



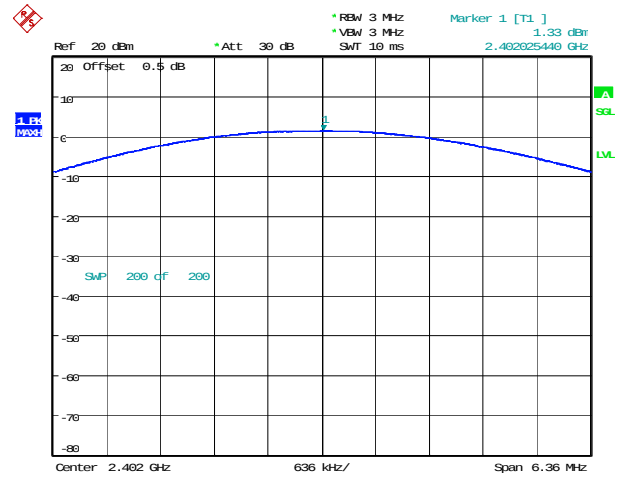
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:01:56

DH1_High



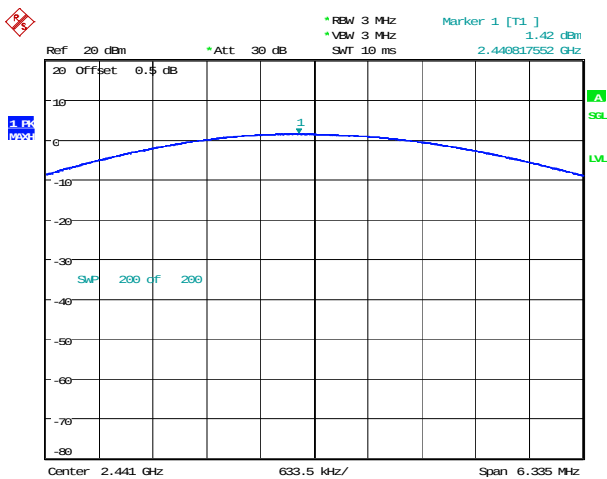
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:06:52

2DH1_Low



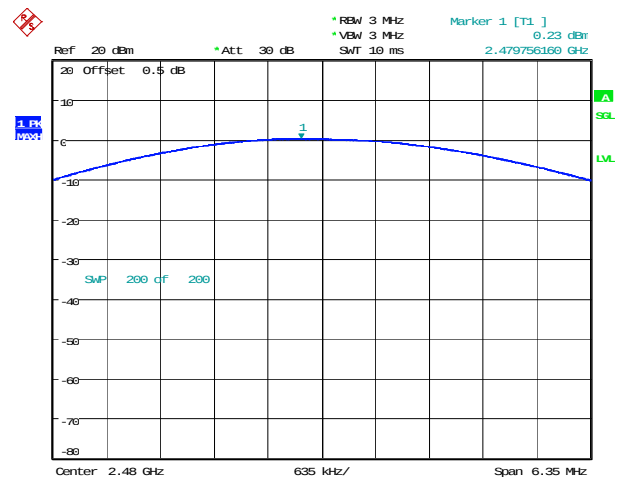
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:11:18

2DH1_Middle



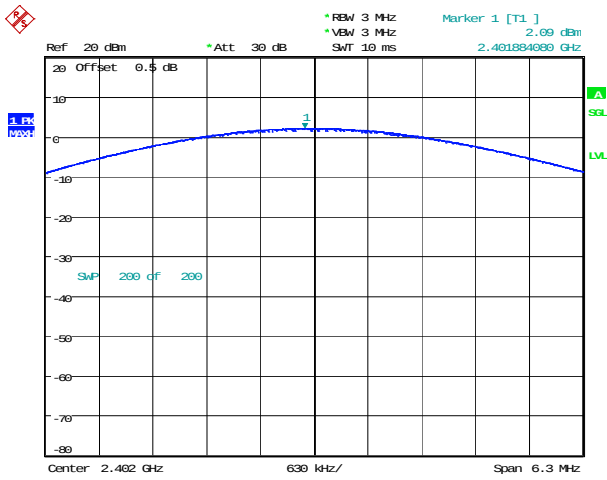
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:13:48

2DH1_High



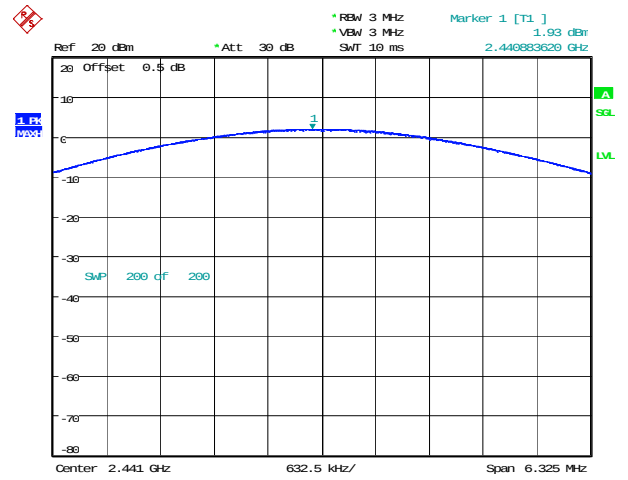
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:17:50

3DH1_Low



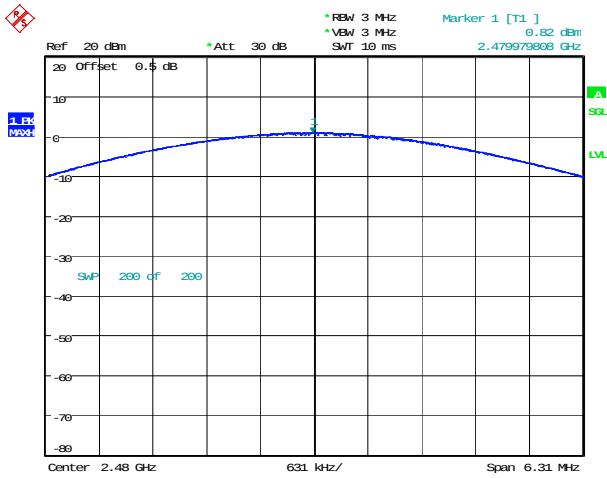
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:21:20

3DH1_Middle



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:23:56

3DH1_High

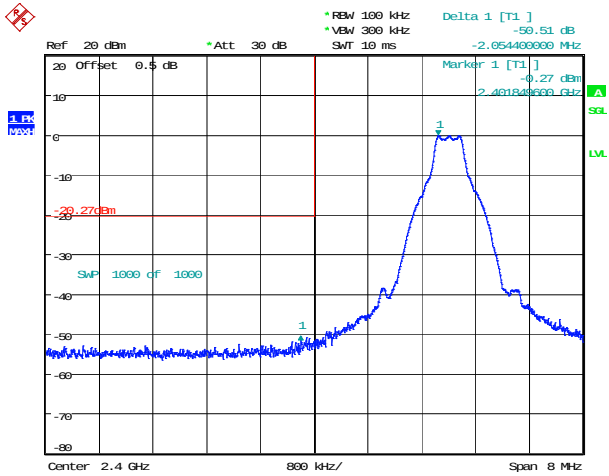


Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:31:33

100 kHz Bandwidth of Frequency Band Edge

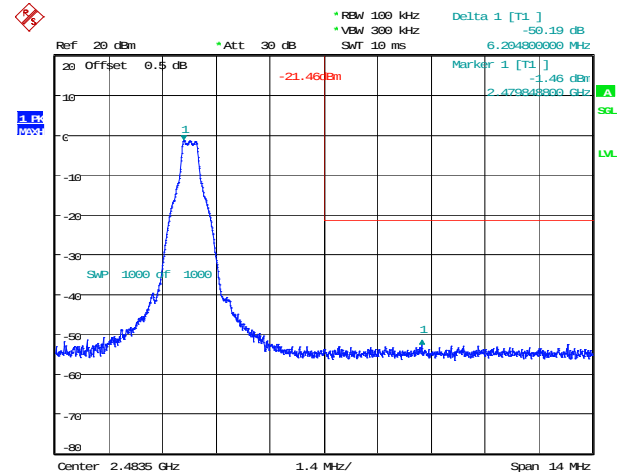
Mode	Channel	Result (dB)	Limit (dB)	Verdict
DH1	Low	50.51	20.00	Pass
	High	50.19	20.00	Pass
	Hopping_Lower	51.93	20.00	Pass
	Hopping_Upper	51.92	20.00	Pass
2DH1	Low	49.93	20.00	Pass
	High	50.47	20.00	Pass
	Hopping_Lower	52.16	20.00	Pass
	Hopping_Upper	51.90	20.00	Pass
3DH1	Low	49.68	20.00	Pass
	High	50.00	20.00	Pass
	Hopping_Lower	52.08	20.00	Pass
	Hopping_Upper	51.09	20.00	Pass

DH1_Low



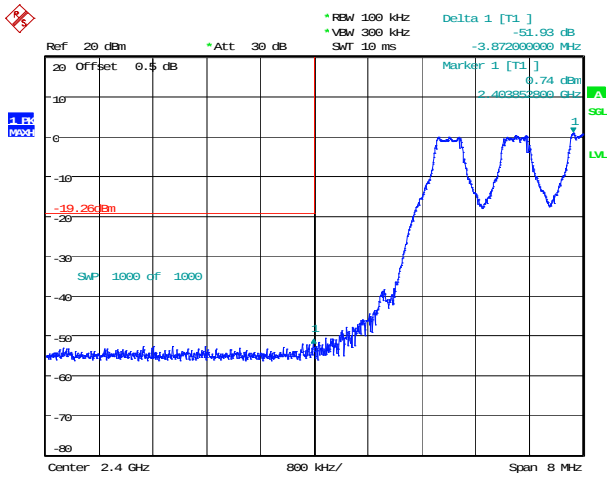
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 10:57:58

DH1_High



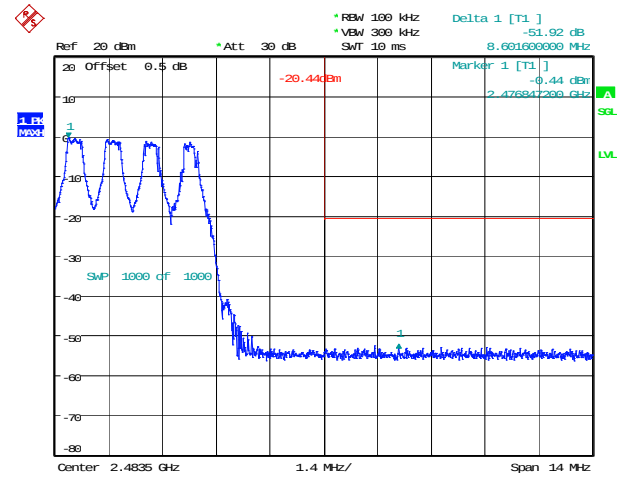
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:06:01

DH1_Hopping_Lower



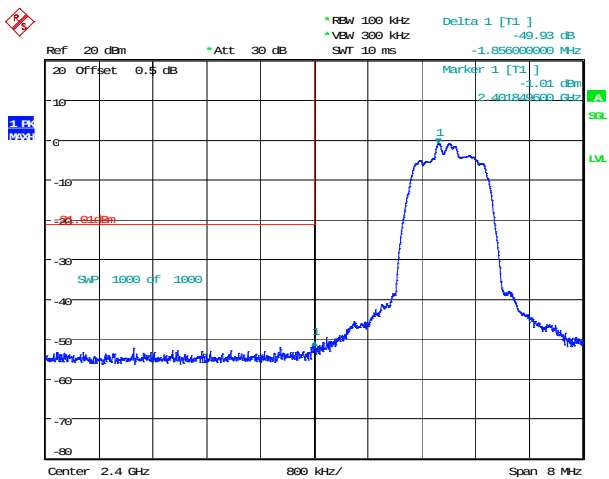
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:49:20

DH1_Hopping_Upper



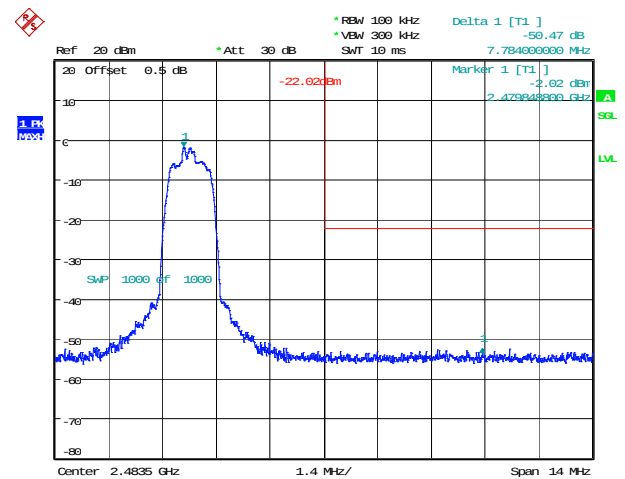
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:50:45

2DH1_Low



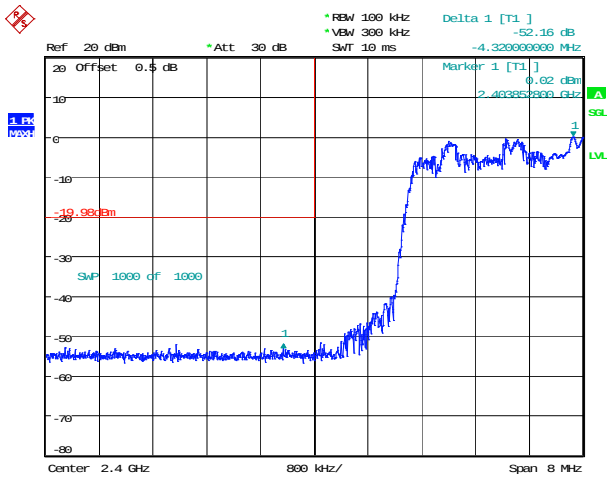
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:10:28

2DH1_High



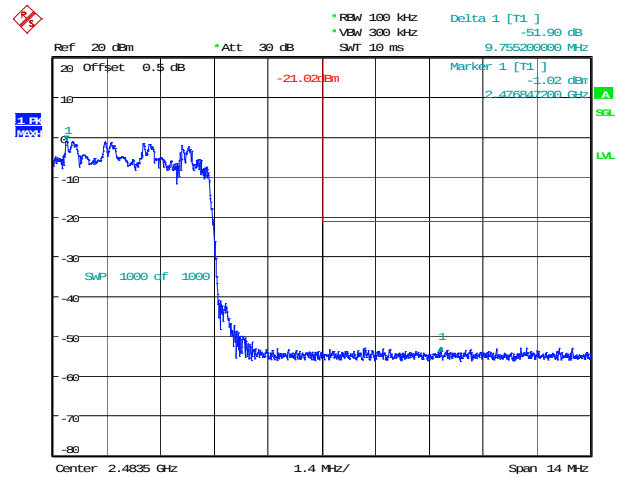
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:16:53

2DH1_Hopping_Lower



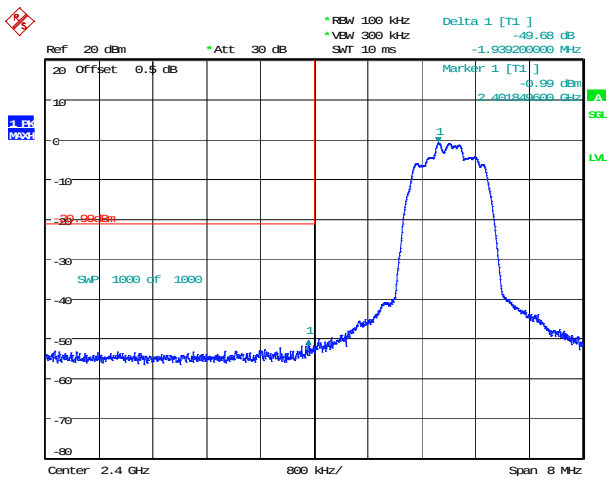
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:52:13

2DH1_Hopping_Upper



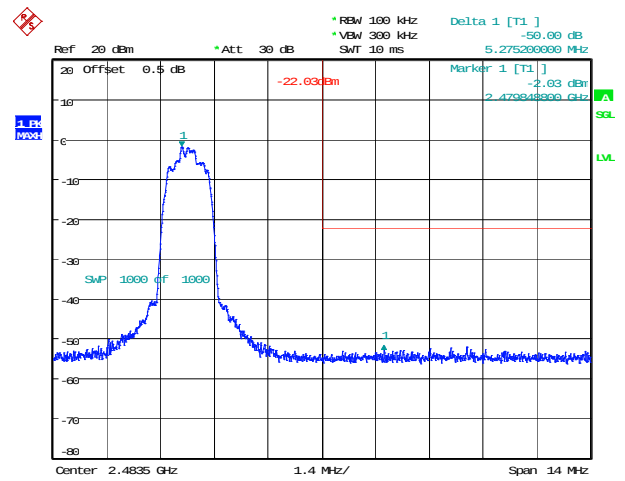
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:53:38

3DH1_Low



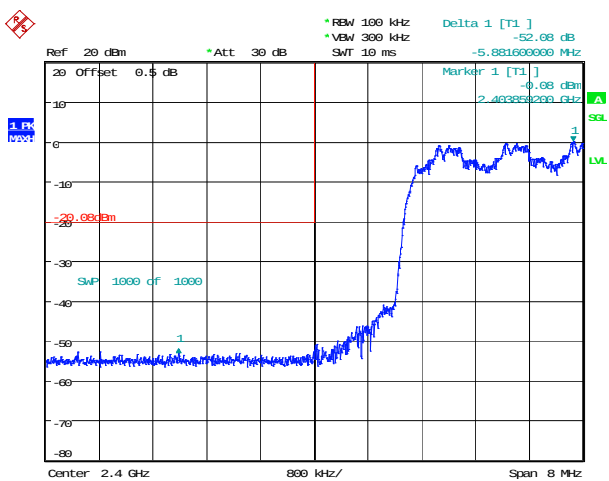
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:20:29

3DH1_High



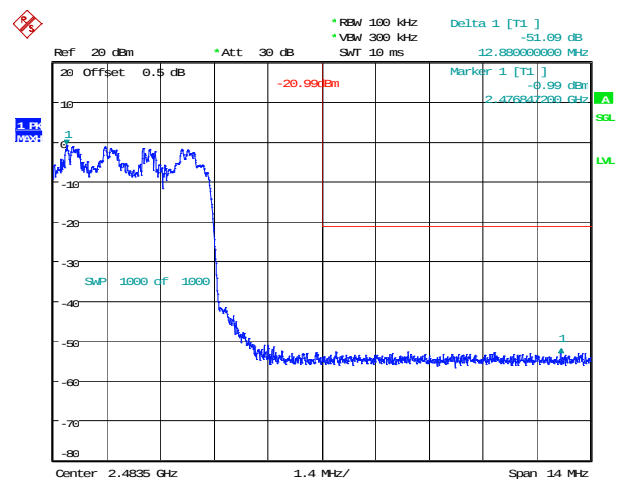
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:27:05

3DH1_Hopping_Lower



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 13:04:51

3DH1_Hopping_Upper

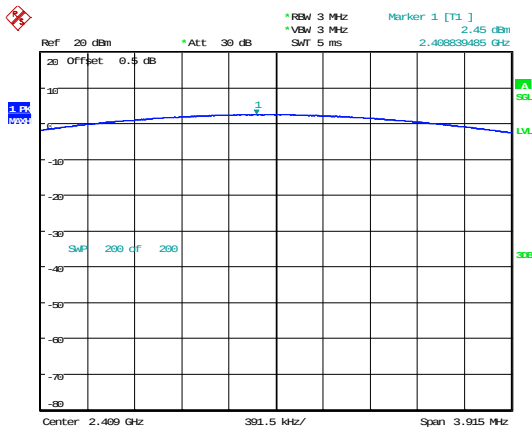


Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 13:08:04

Additional Channel power

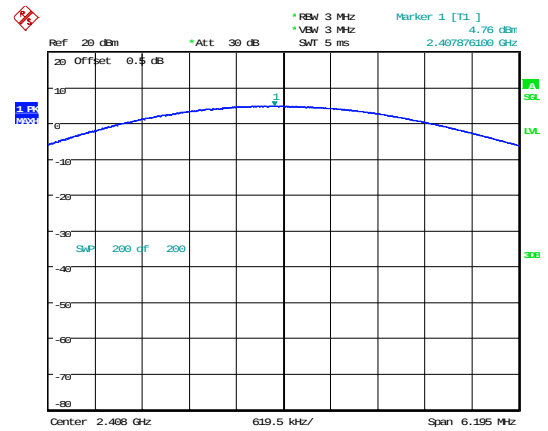
Mode	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
DH1	2409	2.45	21.00	Pass
2DH1	2408	4.76	21.00	Pass
3DH1	2410	3.35	21.00	Pass

DH1_Additional



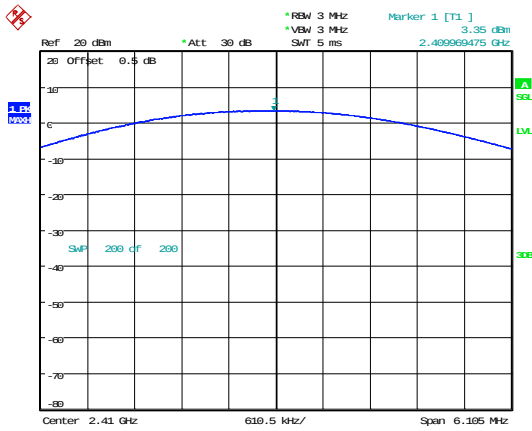
ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 13:35:57

2DH1_Additional



ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 13:27:35

3DH1_Additional



ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 13:00:53

Time of Occupancy (dwell time)

Mode	Channel	Pulse width (ms)	Dwell time (s)	Limit (s)	Verdict
DH1	Hopping	0.407	0.130	0.400	Pass
DH3	Hopping	1.666	0.267	0.400	Pass
DH5	Hopping	2.924	0.312	0.400	Pass
2DH1	Hopping	0.414	0.132	0.400	Pass
2DH3	Hopping	1.670	0.267	0.400	Pass
2DH5	Hopping	2.928	0.312	0.400	Pass
3DH1	Hopping	0.414	0.132	0.400	Pass
3DH3	Hopping	1.670	0.267	0.400	Pass
3DH5	Hopping	2.928	0.312	0.400	Pass

Note:

DH1:Dwell time=Pulse width (ms) × (1600/2/79) ×31.6 s

DH3:Dwell time=Pulse width (ms) × (1600/4/79) ×31.6 s

DH5:Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s

2DH1: Dwell time=Pulse width (ms) × (1600/2/79) ×31.6 s

2DH3: Dwell time=Pulse width (ms) × (1600/4/79) ×31.6 s

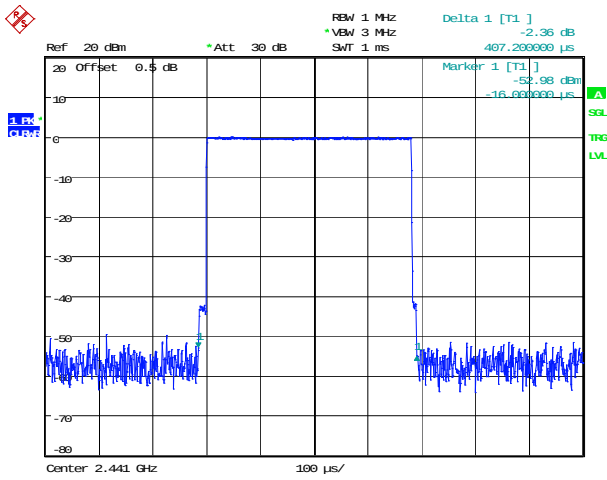
2DH5: Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s

3DH1: Dwell time=Pulse width (ms) × (1600/2/79) ×31.6 s

3DH3: Dwell time=Pulse width (ms) × (1600/4/79) ×31.6 s

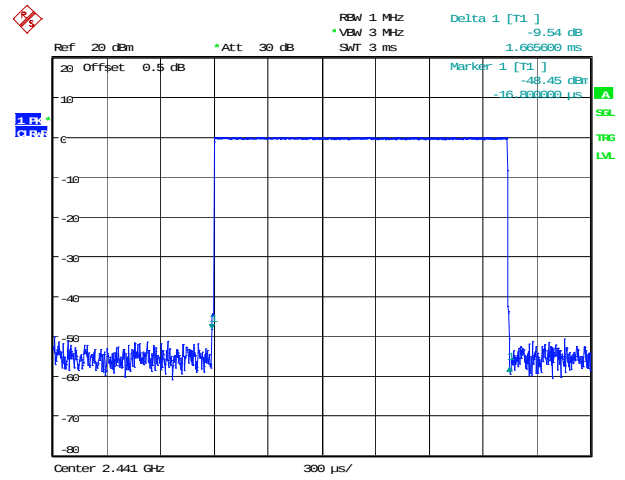
3DH5: Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s

DH1_Hopping



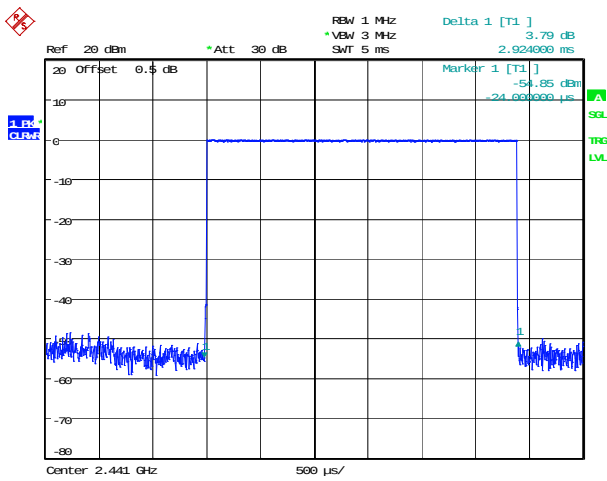
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:34:11

DH3_Hopping



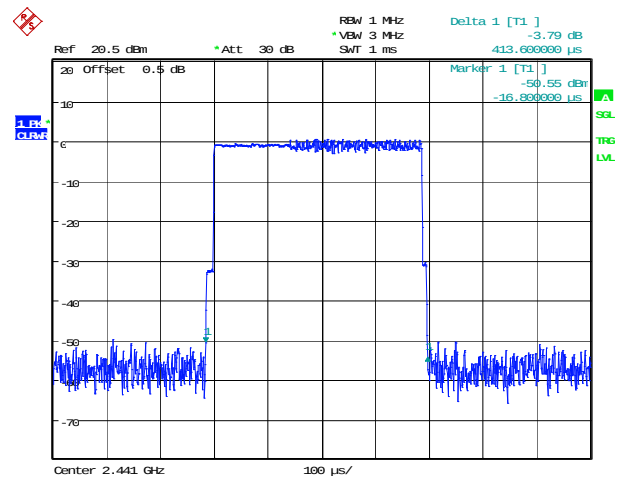
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Date: 23.JAN.2025 11:34:55

DH5_Hopping



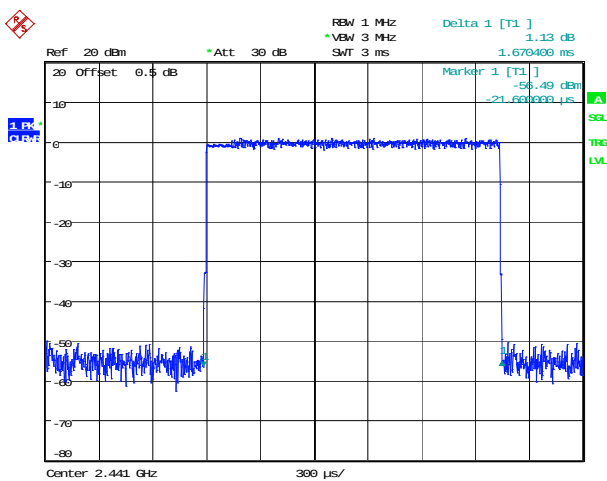
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Date: 23.JAN.2025 11:35:49

2DH1_Hopping



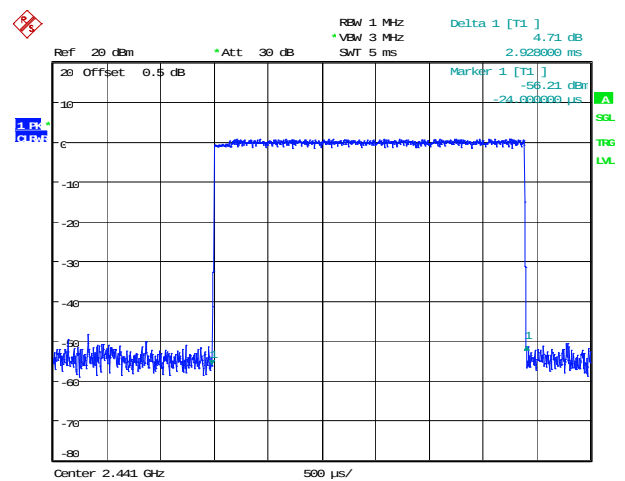
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Date: 23.JAN.2025 11:44:51

2DH3_Hopping



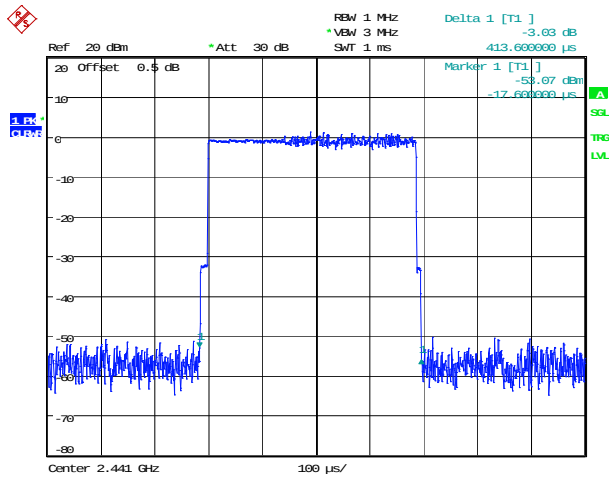
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Date: 23.JAN.2025 11:37:22

2DH5_Hopping



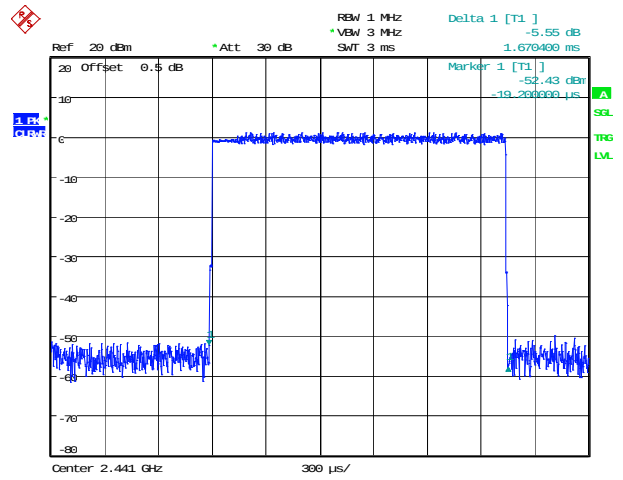
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Date: 23.JAN.2025 11:37:56

3DH1_Hopping



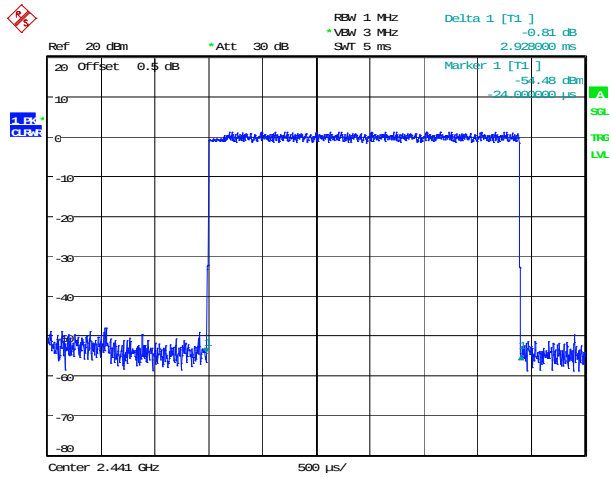
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:38:40

3DH3_Hopping



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:39:20

3DH5_Hopping



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 11:39:59