

Test Information:

Sample No.:	2UGN-2	Test Date:	2024/12/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	Chin Qin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	25.3	Relative Humidity: (%)	47	ATM Pressure: (kPa)	102.5
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Test Equipment List and Details:

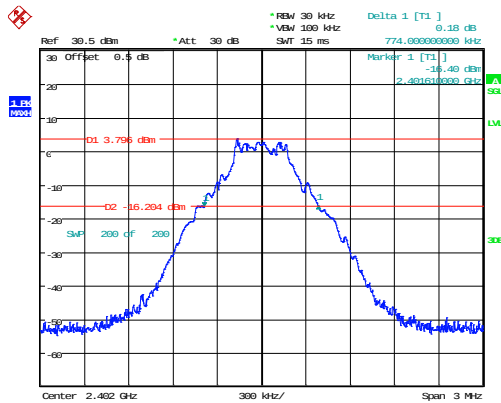
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

* 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

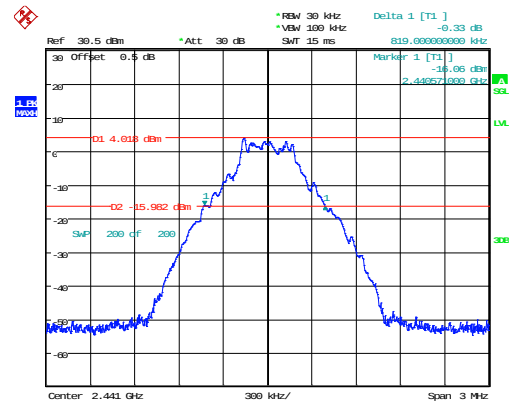
Mode	Channel	Result (MHz)
DH1	Low	0.774
	Middle	0.819
	High	0.780
2DH1	Low	1.269
	Middle	1.278
	High	1.269
3DH1	Low	1.281
	Middle	1.278
	High	1.284

DH1_Low 0.774MHz



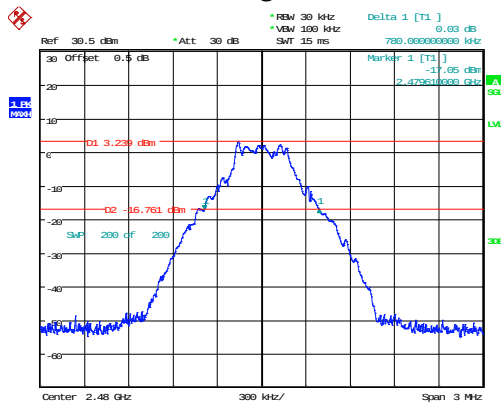
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:10:37

DH1_Middle 0.819MHz



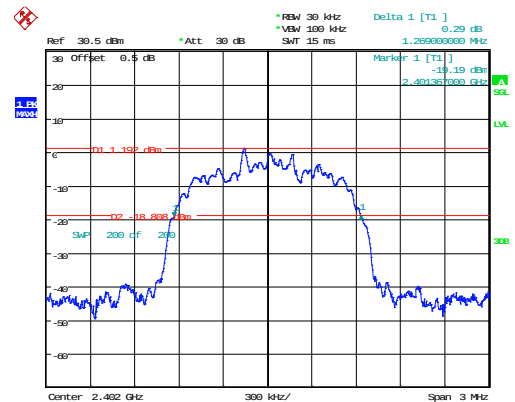
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:14:15

DH1_High 0.780MHz



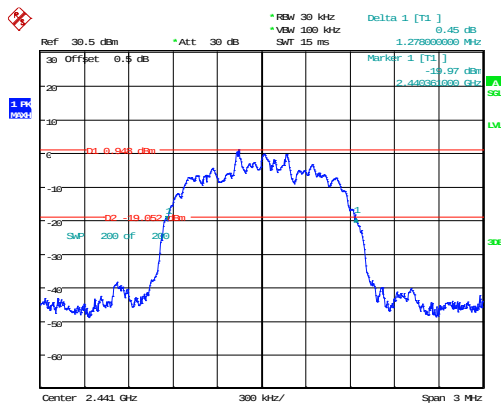
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:18:33

2DH1_Low 1.269MHz



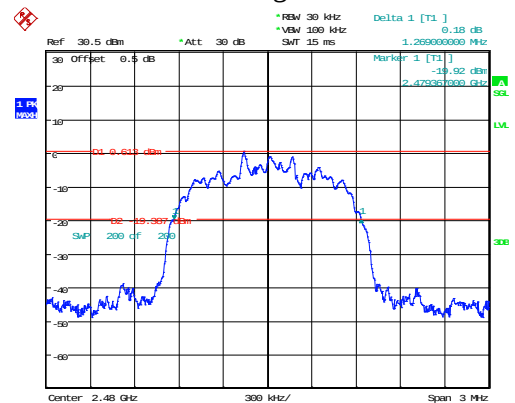
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:22:41

2DH1_Middle 1.278MHz



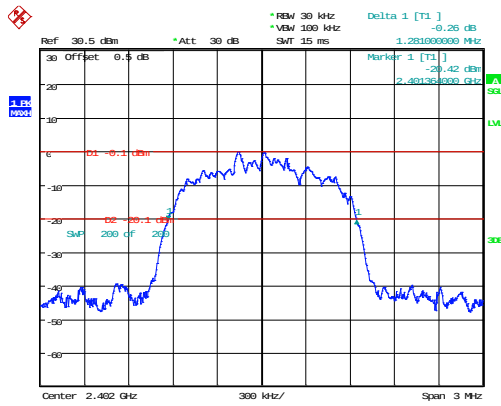
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:27:06

2DH1_High 1.269MHz



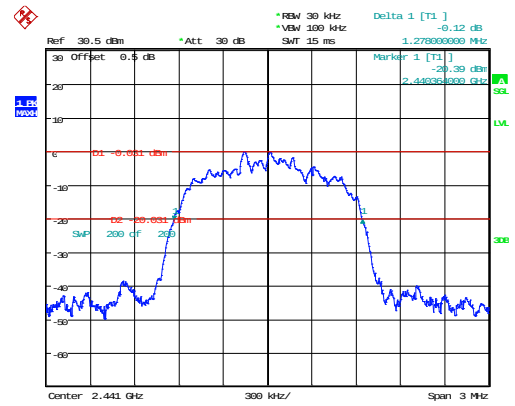
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:29:44

3DH1_Low 1.281MHz



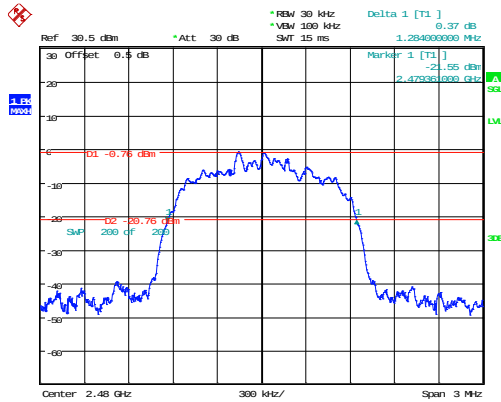
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:34:27

3DH1_Middle 1.278MHz



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:38:50

3DH1_High 1.284MHz

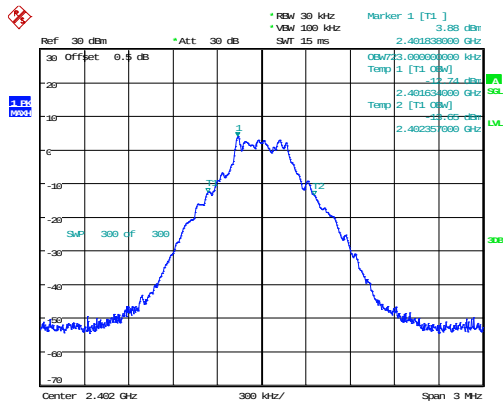


ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:41:37

99% Occupied Bandwidth

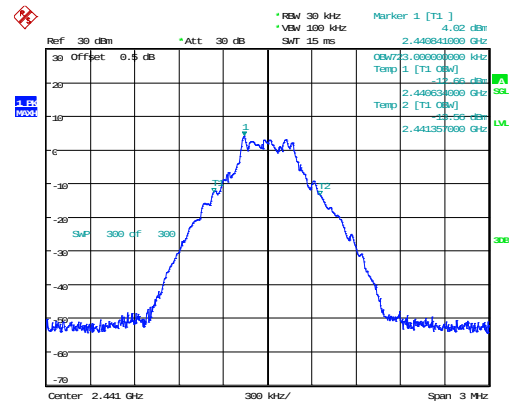
Mode	Channel	99% OBW (MHz)
DH1	Low	0.723
	Middle	0.723
	High	0.723
2DH1	Low	1.164
	Middle	1.164
	High	1.164
3DH1	Low	1.164
	Middle	1.164
	High	1.164

DH1_Low 0.723MHz



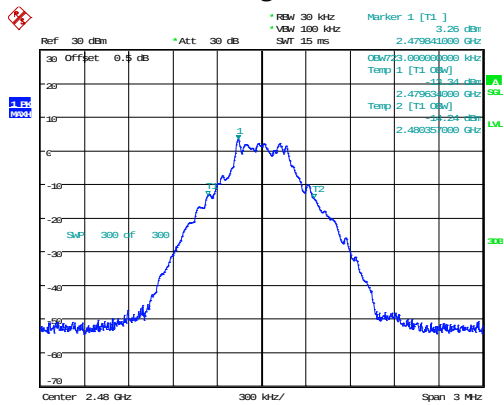
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:12:16

DH1_Middle 0.723MHz



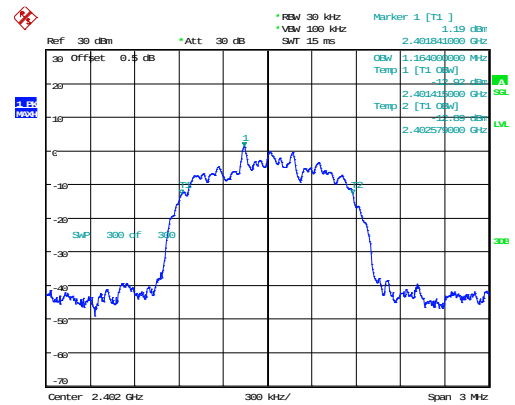
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:14:52

DH1_High 0.723MHz



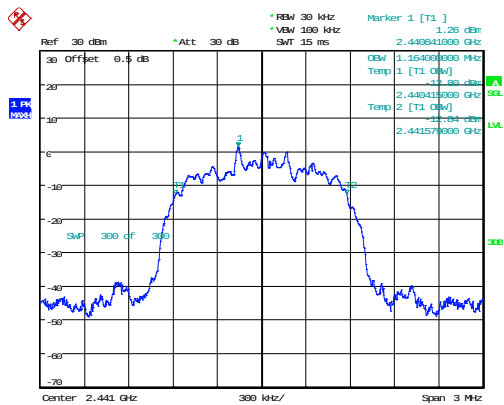
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:20:35

2DH1_Low 1.164MHz



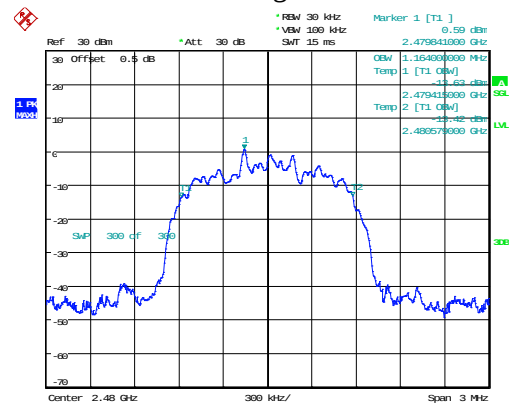
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:24:21

2DH1_Middle 1.164MHz



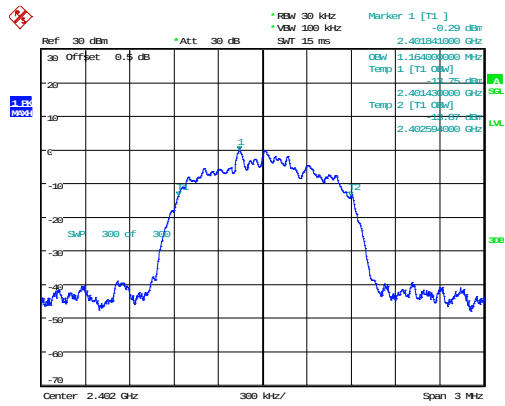
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:27:42

2DH1_High 1.164MHz



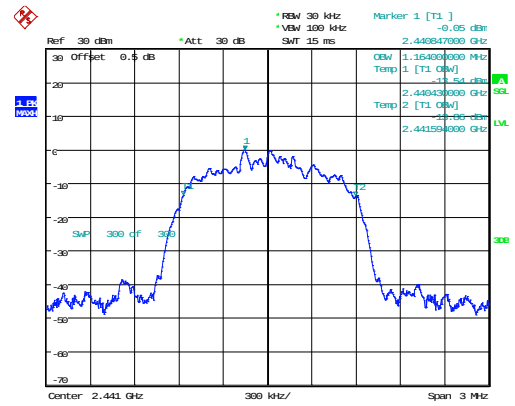
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:31:48

3DH1_Low 1.164MHz



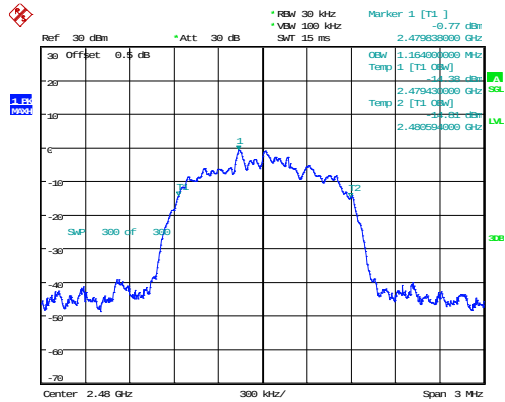
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:36:07

3DH1_Middle 1.164MHz



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:39:27

3DH1_High 1.164MHz

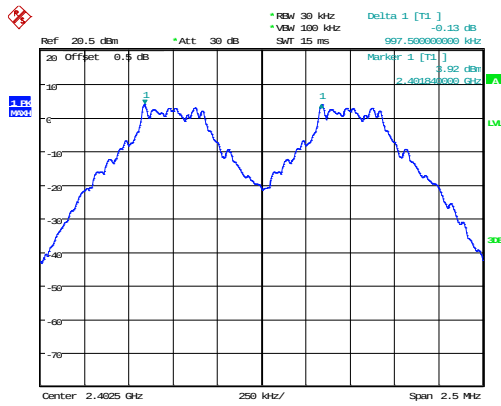


ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:43:41

Channel Separation

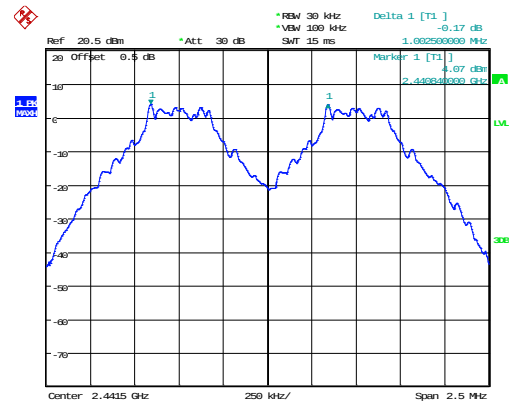
Mode	Channel	Result (MHz)	Limit (MHz)	Verdict
DH1	Low	0.998	0.516	Pass
	Middle	1.003	0.546	Pass
	High	1	0.520	Pass
2DH1	Low	1	0.846	Pass
	Middle	1.003	0.852	Pass
	High	1.005	0.846	Pass
3DH1	Low	1.003	0.854	Pass
	Middle	1	0.852	Pass
	High	1.003	0.856	Pass

DH1_Low 0.998MHz



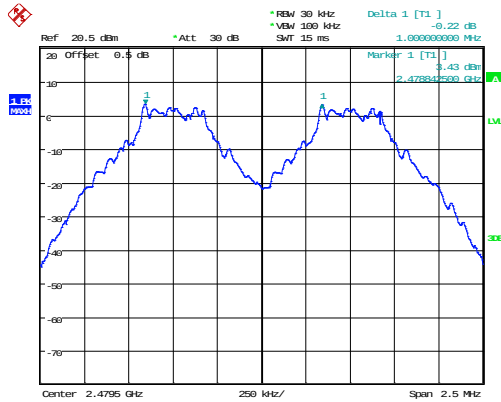
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:13:42

DH1_Middle 1.003MHz



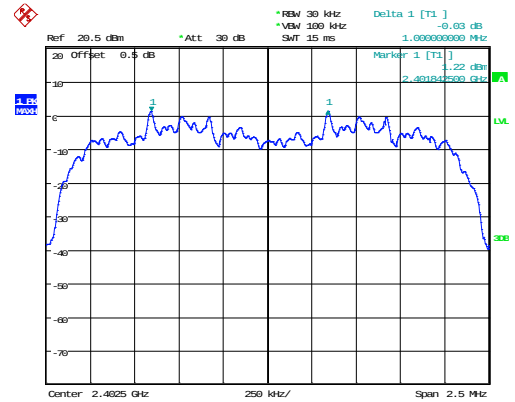
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:17:32

DH1_High 1MHz



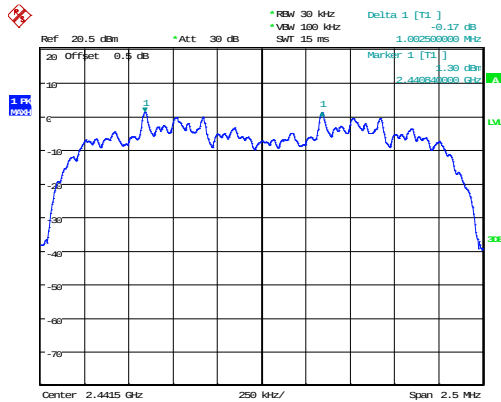
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:22:03

2DH1_Low 1MHz



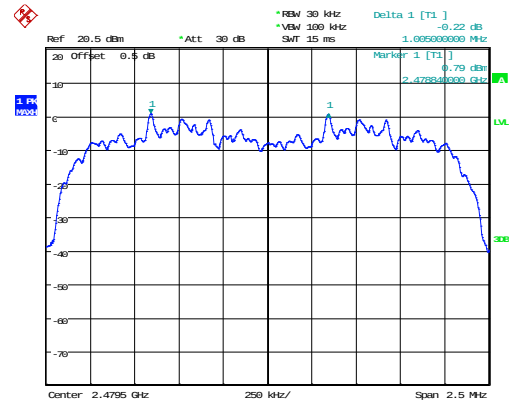
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:26:31

2DH1_Middle 1.003MHz



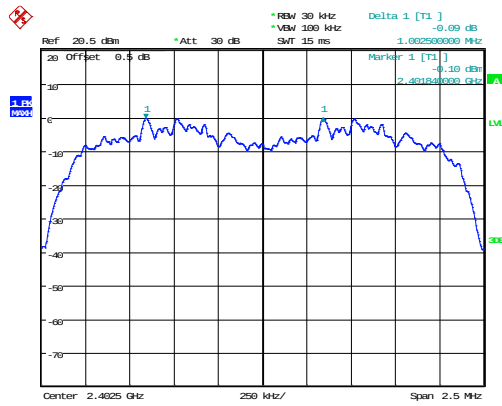
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:29:09

2DH1_High 1.005MHz



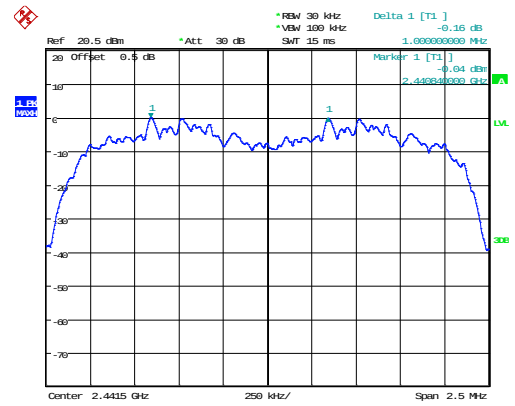
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:33:34

3DH1_Low 1.003MHz



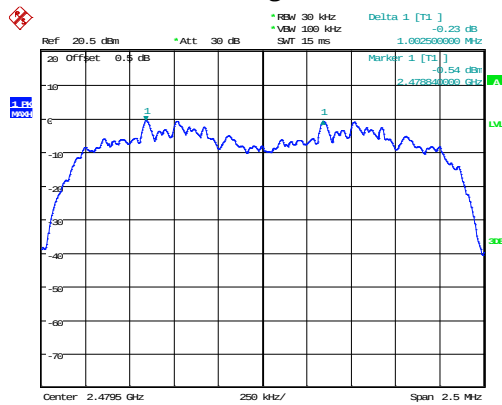
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:38:09

3DH1_Middle 1MHz



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:41:03

3DH1_High 1.003MHz

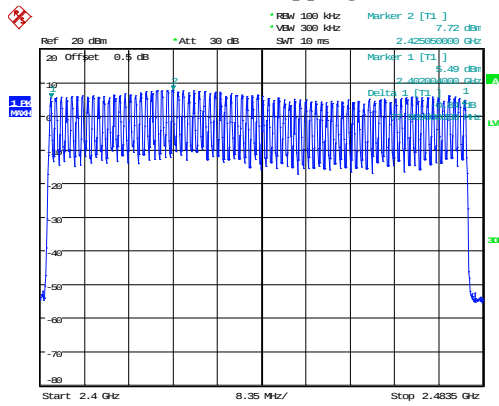


ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:45:32

Number of Hopping Frequency

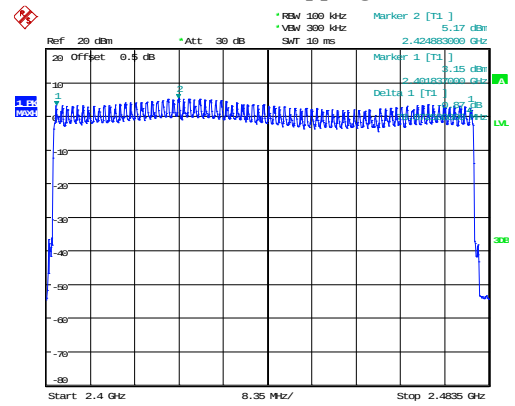
Mode	Channel	Result	Limit	Verdict
DH1	Hopping	79	15	Pass
2DH1	Hopping	79	15	Pass
3DH1	Hopping	79	15	Pass

DH1_Hopping 79



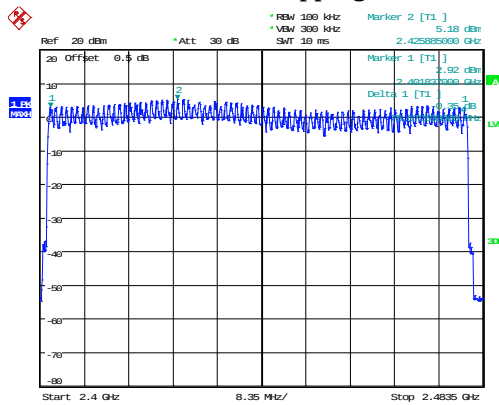
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:00:44

2DH1_Hopping 79



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:12:23

3DH1_Hopping 79

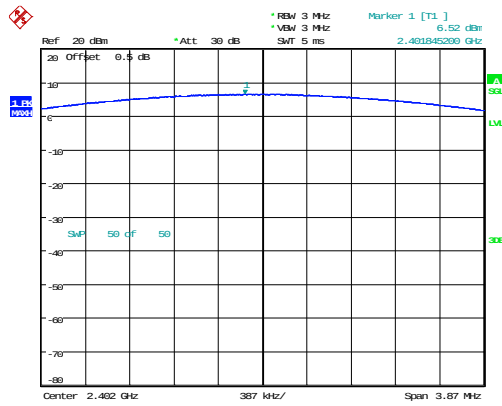


ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:23:16

Maximum Conducted Output Power

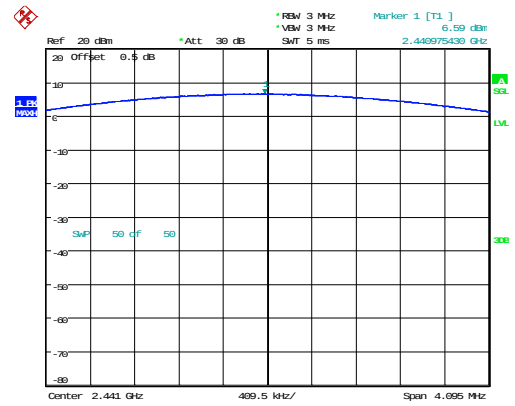
Mode	Channel	Result (dBm)	Limit (dBm)	Verdict
DH1	Low	6.52	21.00	Pass
	Middle	6.59	21.00	Pass
	High	5.72	21.00	Pass
2DH1	Low	5.79	21.00	Pass
	Middle	6.02	21.00	Pass
	High	5.14	21.00	Pass
3DH1	Low	6.01	21.00	Pass
	Middle	6.16	21.00	Pass
	High	5.36	21.00	Pass

DH1_Low 6.52dBm



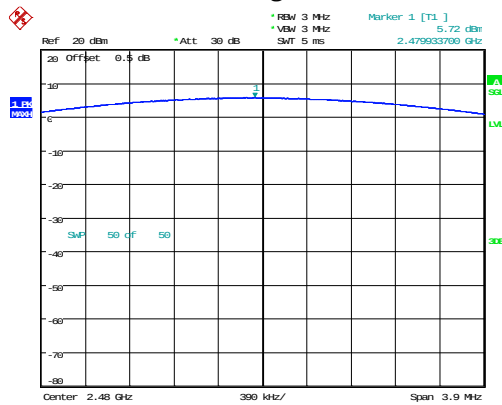
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:12:34

DH1_Middle 6.59dBm



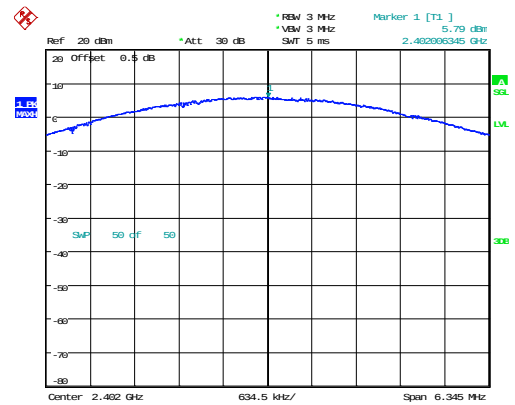
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:16:04

DH1_High 5.72dBm



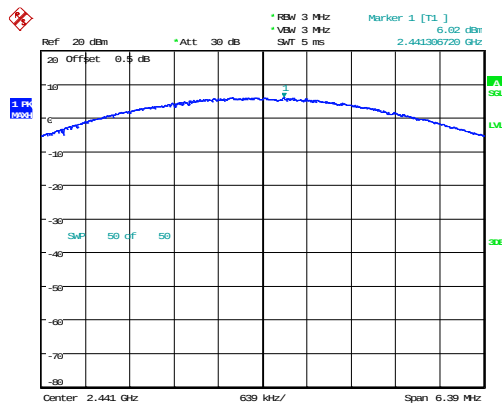
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:20:50

2DH1_Low 5.79dBm



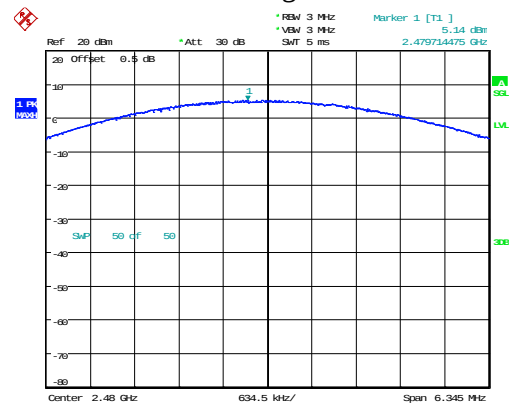
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:25:02

2DH1_Middle 6.02dBm



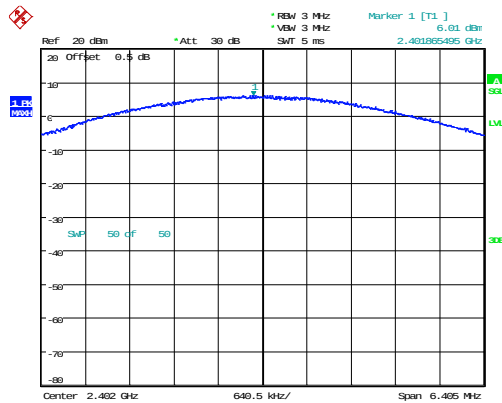
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:27:55

2DH1_High 5.14dBm



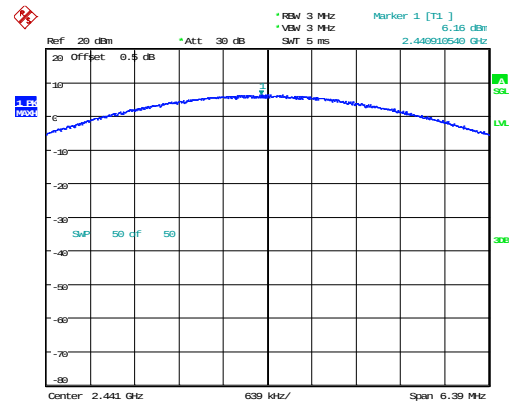
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:32:02

3DH1_Low 6.01dBm



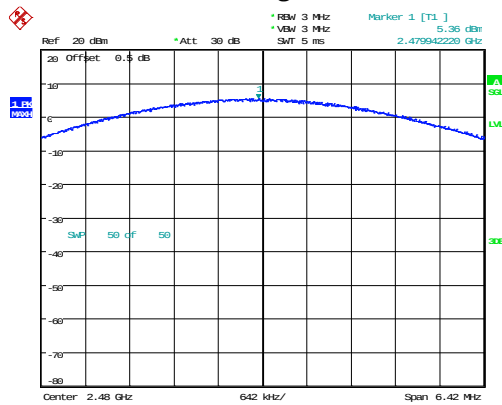
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:36:20

3DH1_Middle 6.16dBm



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:39:46

3DH1_High 5.36dBm

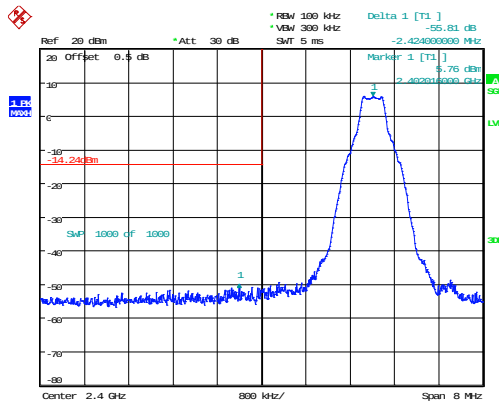


ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:44:07

100 kHz Bandwidth of Frequency Band Edge

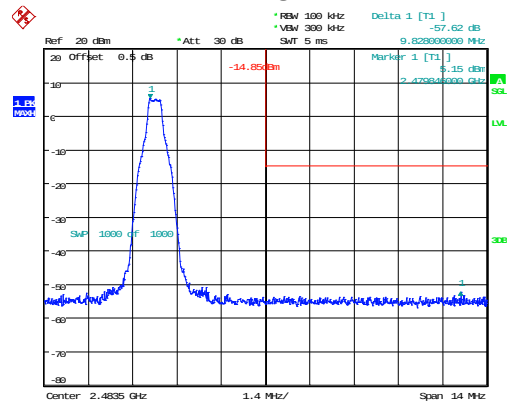
Mode	Channel	Result (dB)	Limit (dB)	Verdict
DH1	Low	55.81	20.00	Pass
	High	57.62	20.00	Pass
	Hopping_Lower	56.92	20.00	Pass
	Hopping_Upper	58.73	20.00	Pass
2DH1	Low	55.09	20.00	Pass
	High	54.90	20.00	Pass
	Hopping_Lower	55.95	20.00	Pass
	Hopping_Upper	55.45	20.00	Pass
3DH1	Low	54.95	20.00	Pass
	High	55.44	20.00	Pass
	Hopping_Lower	56.23	20.00	Pass
	Hopping_Upper	56.26	20.00	Pass

DH1_Low 55.81dB



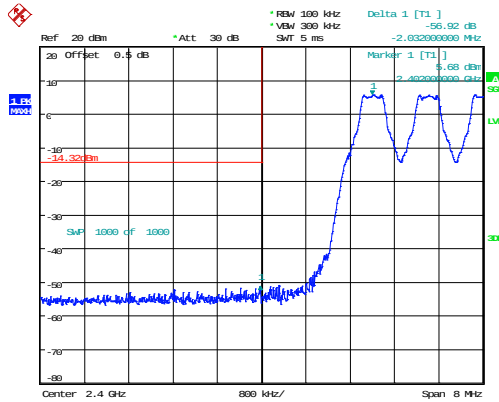
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:11:37

DH1_High 57.62dB



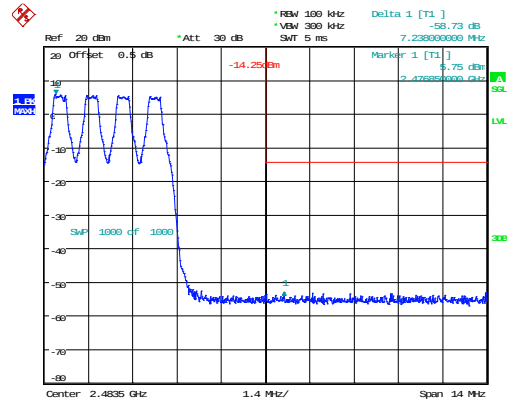
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:19:58

DH1_Hopping_Lower 56.92dB



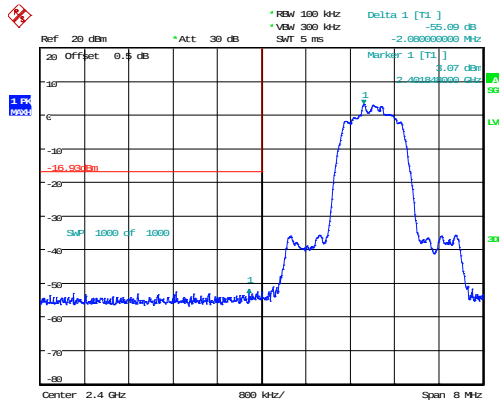
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:48:32

DH1_Hopping_Upper 58.73dB



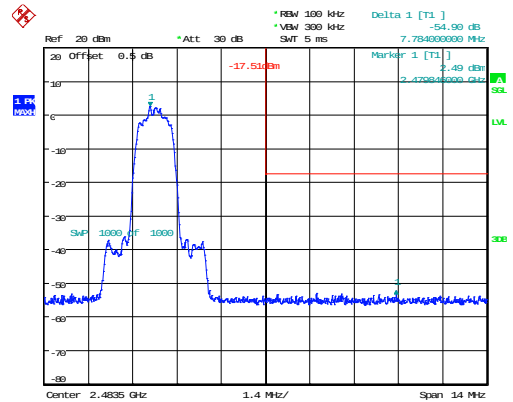
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:50:13

2DH1_Low 55.09dB



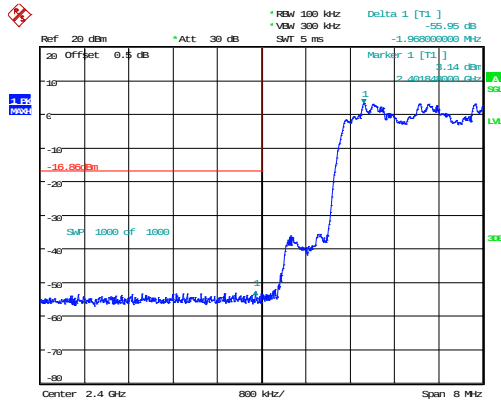
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:23:42

2DH1_High 54.90dB



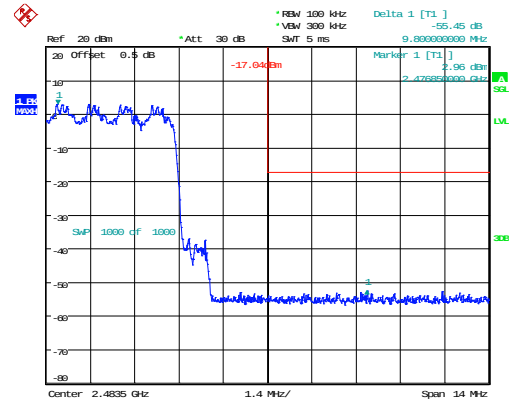
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:31:11

2DH1_Hopping_Lower 55.95dB



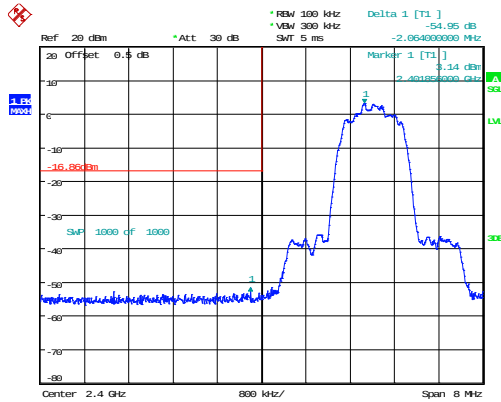
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:51:47

2DH1_Hopping_Upper 55.45dB



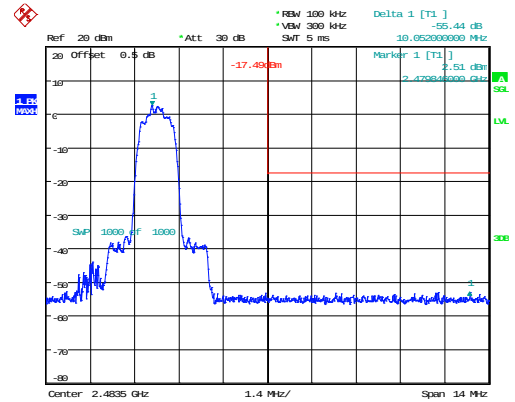
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:53:23

3DH1_Low 54.95dB



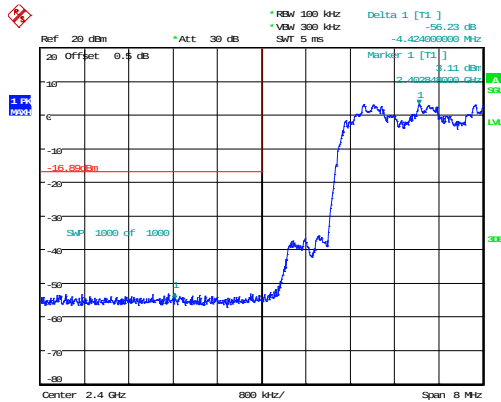
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:35:27

3DH1_High 55.44dB



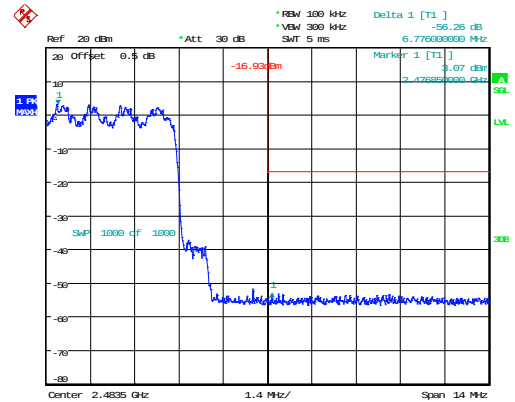
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:43:04

3DH1_Hopping_Lower 56.23dB



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:55:10

3DH1_Hopping_Upper 56.26dB



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 19:57:07

Time of Occupancy (dwell time)

Mode	Channel	Pulse width (ms)	Dwell time (s)	Limit (s)	Verdict
DH1	Hopping	0.390	0.125	0.400	Pass
DH3	Hopping	1.653	0.264	0.400	Pass
DH5	Hopping	2.920	0.311	0.400	Pass
2DH1	Hopping	0.397	0.127	0.400	Pass
2DH3	Hopping	1.647	0.264	0.400	Pass
2DH5	Hopping	2.920	0.311	0.400	Pass
3DH1	Hopping	0.396	0.127	0.400	Pass
3DH3	Hopping	1.656	0.265	0.400	Pass
3DH5	Hopping	2.925	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

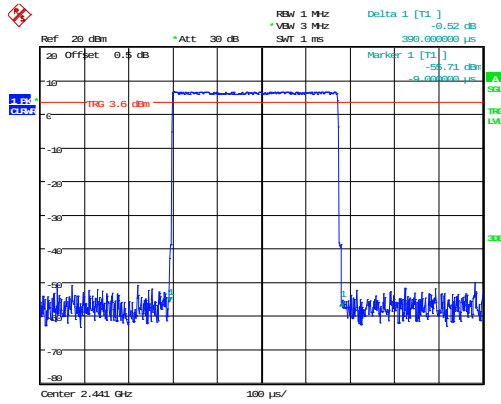
2DH5: Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s

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

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

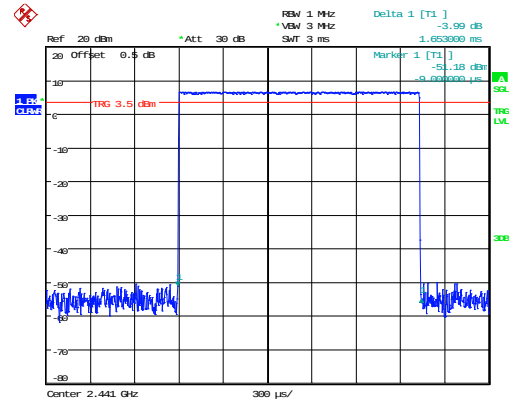
3DH5: Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s

DH1_Hopping 0.390ms



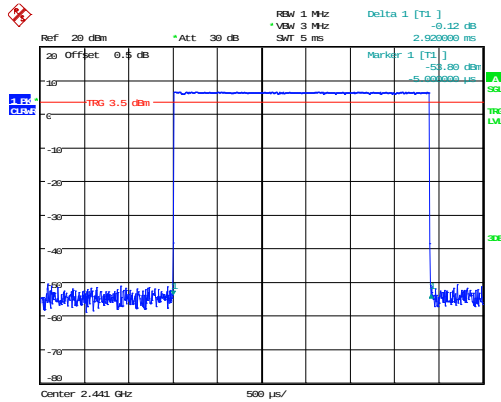
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:25:57

DH3_Hopping 1.653ms



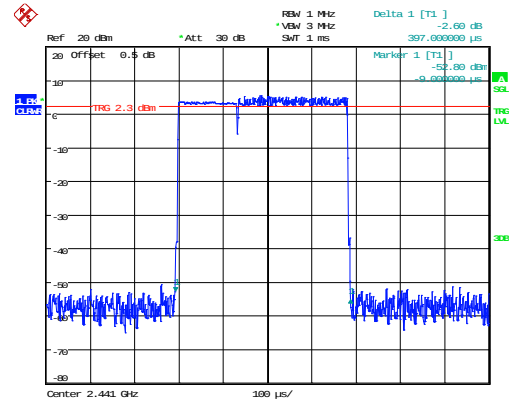
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:27:06

DH5_Hopping 2.920ms



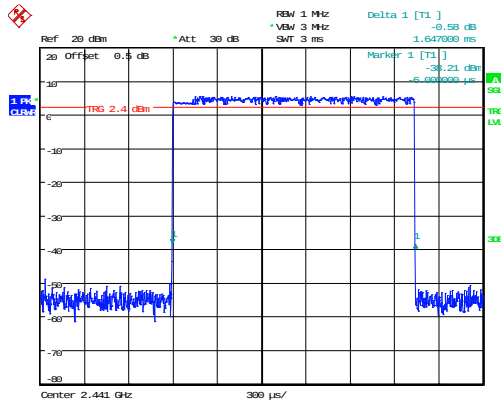
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:27:57

2DH1_Hopping 0.397ms



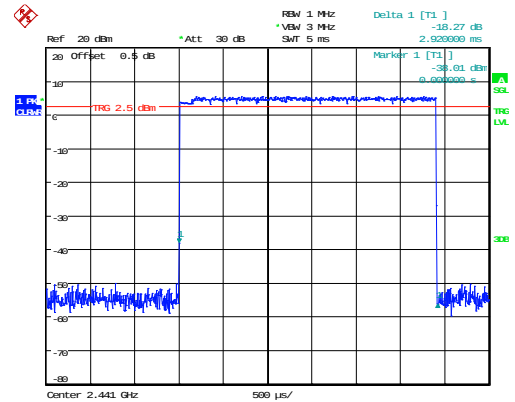
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:28:57

2DH3_Hopping 1.647ms



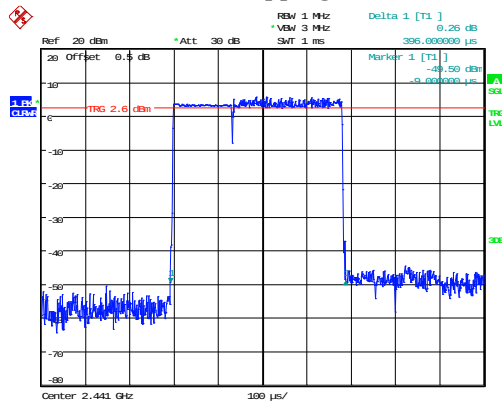
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Date: 20.DEC.2024 20:29:55

2DH5_Hopping 2.920ms



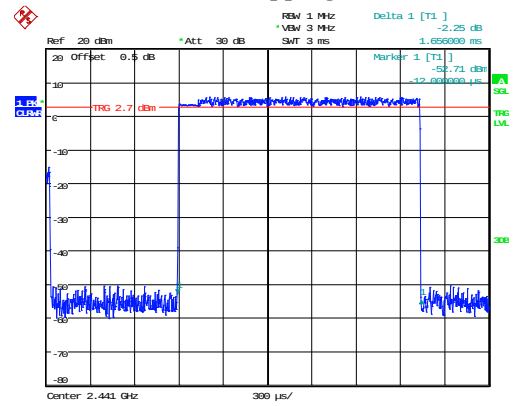
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:31:10

3DH1_Hopping 0.396ms



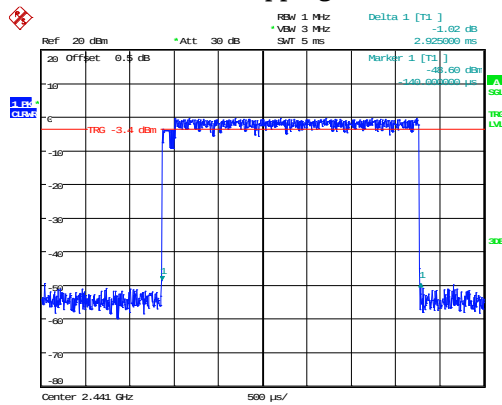
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:32:15

3DH3_Hopping 1.656ms



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:33:49

3DH5_Hopping 2.925ms



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:34:58