

Test Information:

Sample No.:	30YZ-2	Test Date:	2025/05/16~2025/06/03
Test Site:	RF	Test Mode:	Transmitting
Tester:	Chin Qin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25-25.3	Relative Humidity: (%)	51-53	ATM Pressure: (kPa)	100.4-100.6
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Test Equipment List and Details:

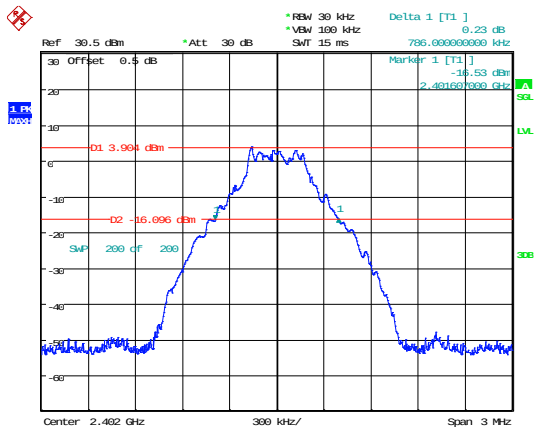
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2025/03/31	2026/03/30

* 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).

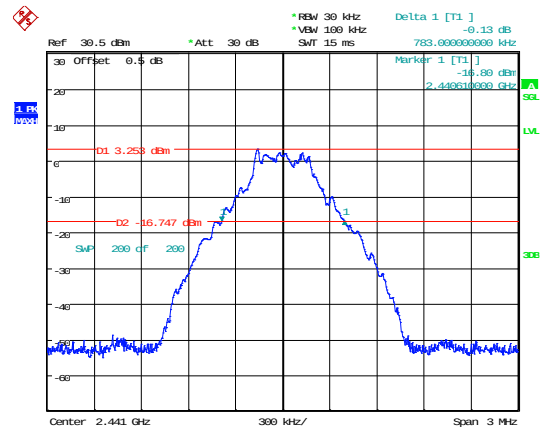
20 dB Emission Bandwidth

Mode	Channel	Result (MHz)
DH1	Low	0.786
	Middle	0.783
	High	0.786
2DH1	Low	1.206
	Middle	1.212
	High	1.212
3DH1	Low	1.221
	Middle	1.221
	High	1.221

DH1_Low



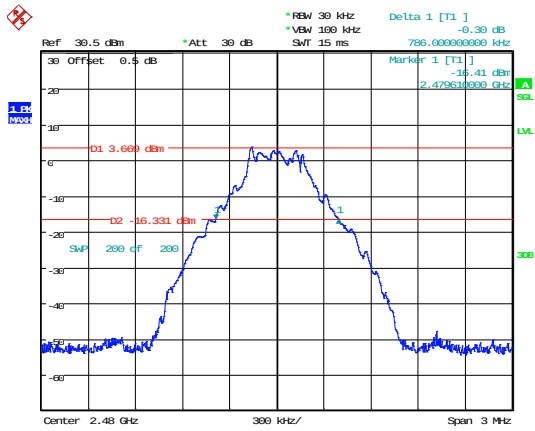
DH1_Middle



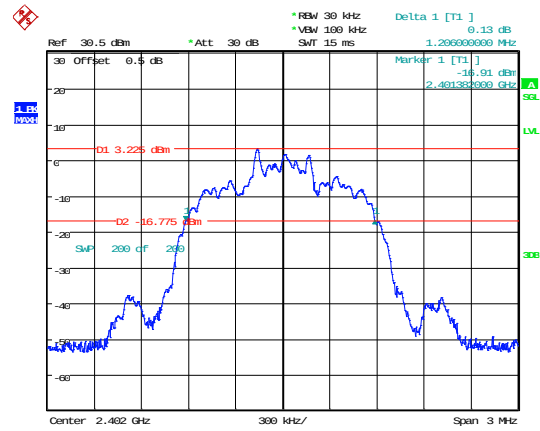
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 22:57:17

ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:01:46

DH1_High



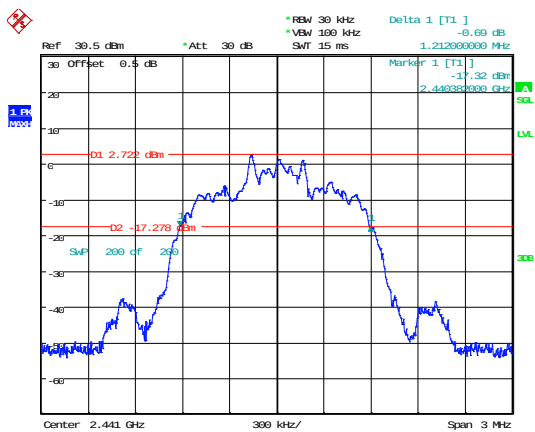
2DH1_Low



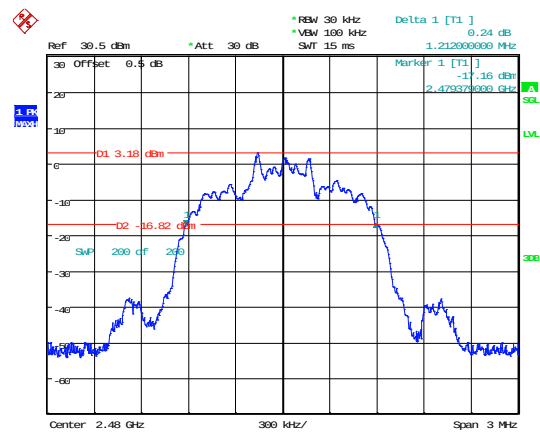
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:03:22

ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:09:02

2DH1_Middle



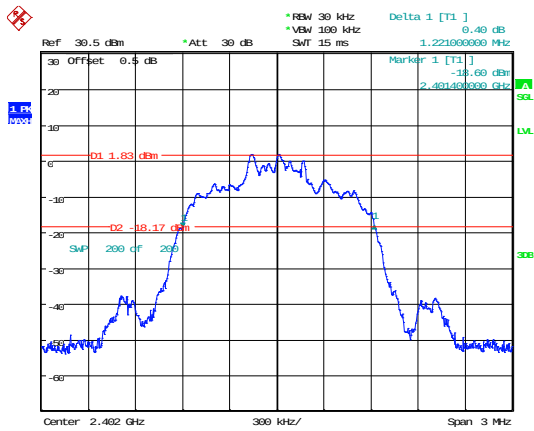
2DH1_High



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:13:35

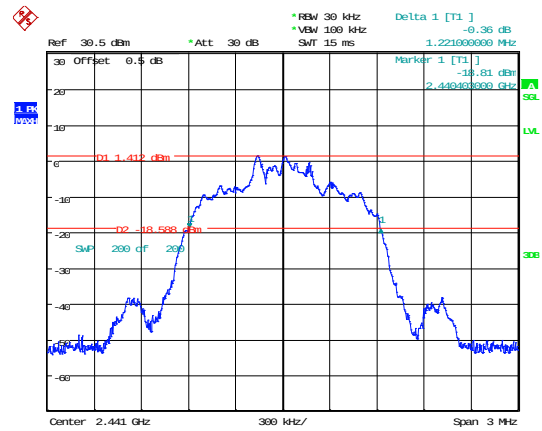
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:15:30

3DH1_Low



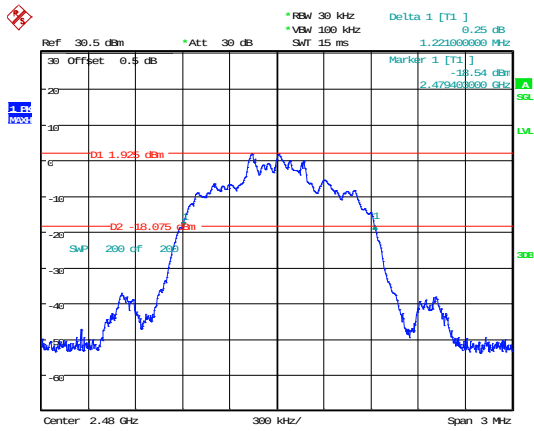
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:21:19

3DH1_Middle



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:26:02

3DH1_High

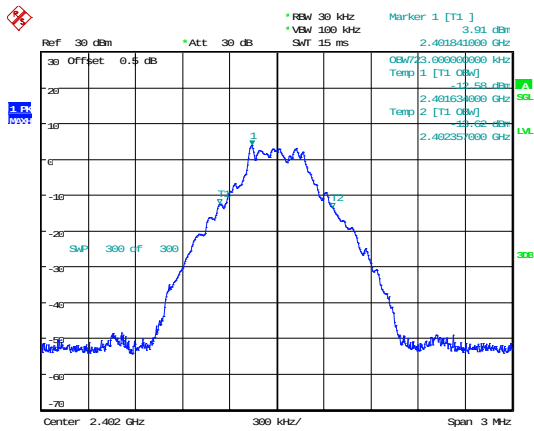


ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:27:54

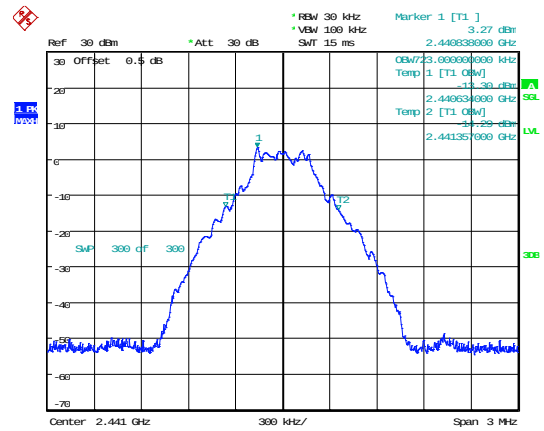
99% Occupied Bandwidth

Mode	Channel	99% OBW (MHz)
DH1	Low	0.723
	Middle	0.723
	High	0.723
2DH1	Low	1.134
	Middle	1.131
	High	1.131
3DH1	Low	1.125
	Middle	1.125
	High	1.125

DH1_Low



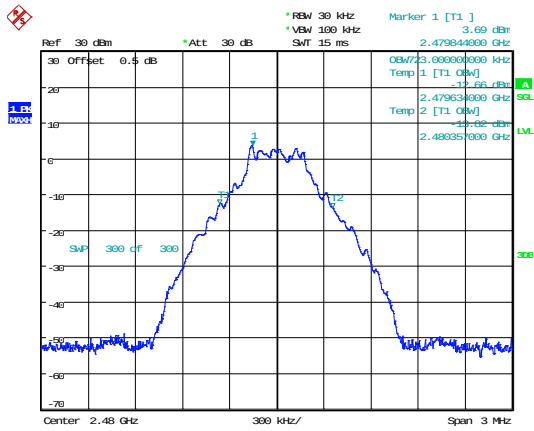
DH1_Middle



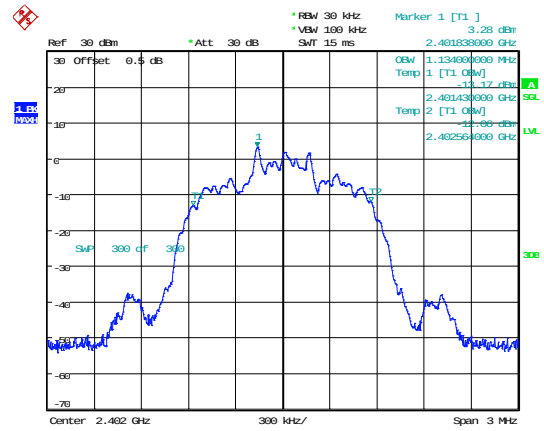
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:00:50

ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:02:24

DH1_High



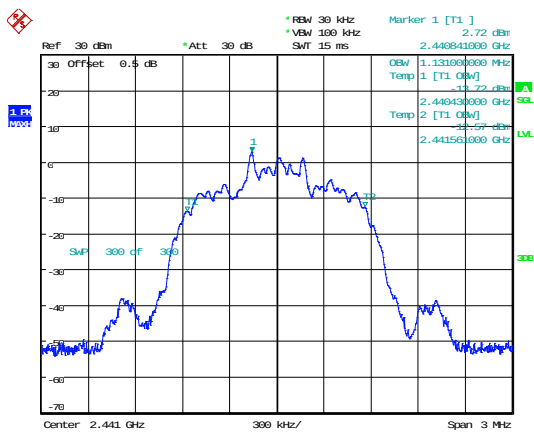
2DH1_Low



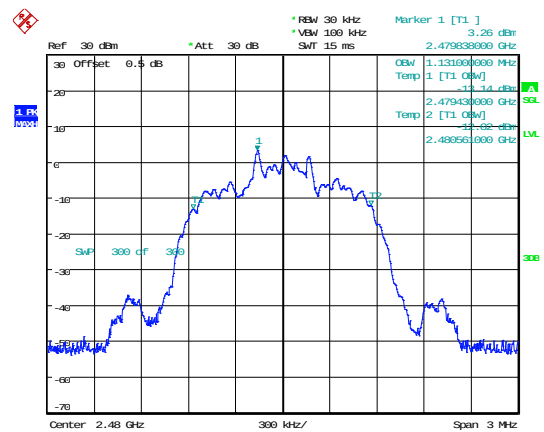
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:06:51

ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:12:33

2DH1_Middle



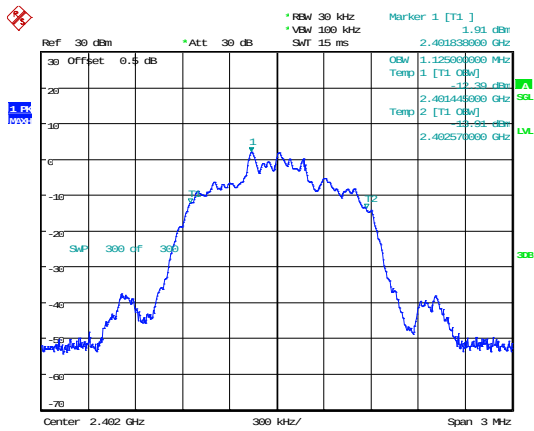
2DH1_High



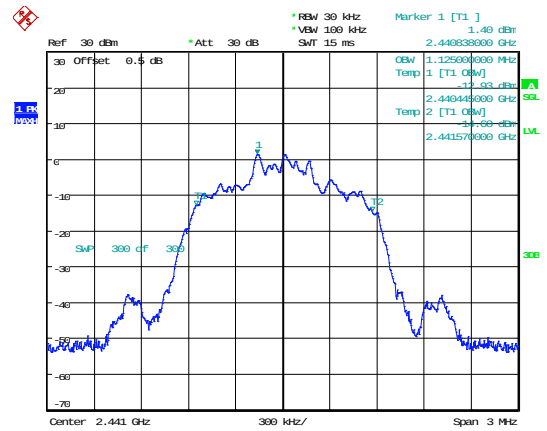
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:14:12

ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:18:59

3DH1_Low



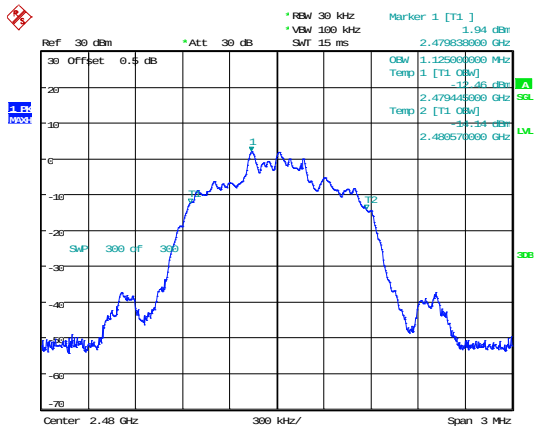
3DH1_Middle



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:24:49

ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:26:39

3DH1_High



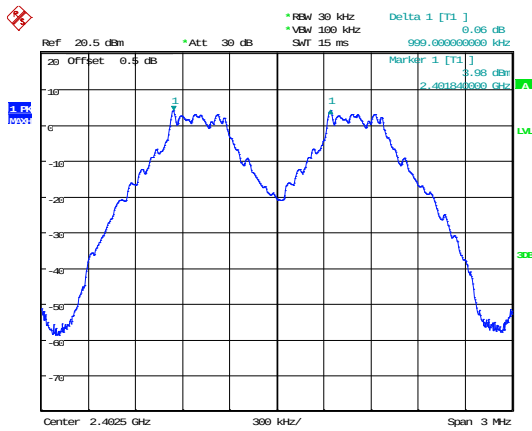
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:31:21

Channel Separation

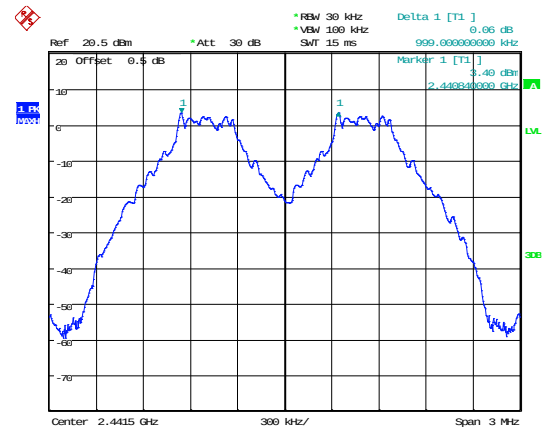
Mode	Channel	Result (MHz)	Limit (MHz)	Verdict
DH1	Low	0.999	0.814	Pass
	Middle	0.999	0.814	Pass
	High	1.002	0.814	Pass

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



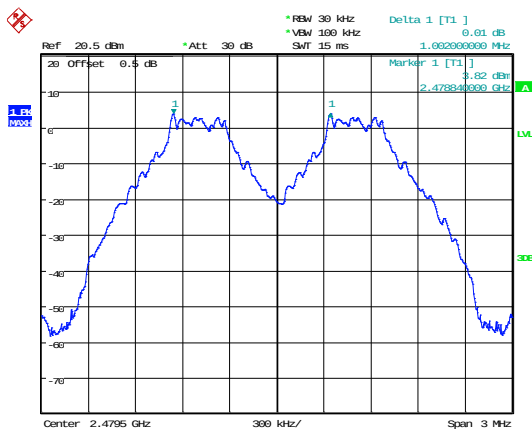
DH1_Middle



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:36:07

ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:38:56

DH1_High



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:42:21

Number of Hopping Frequency

Mode	Channel	Result	Limit	Verdict
DH1	Hopping	79	15	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.

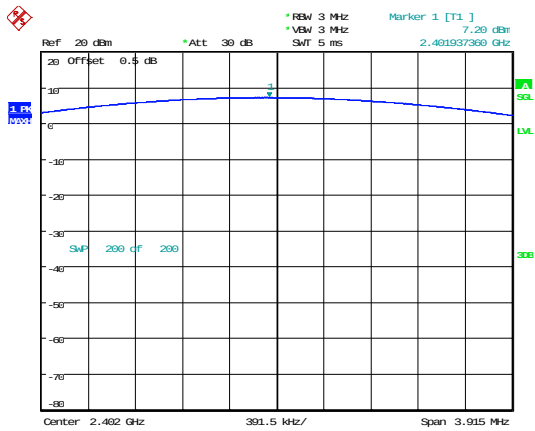
* BW 100 kHz
 * VM 300 kHz
 SWF 10 ms
 Ref 20 dBm
 Att 30 dB
 Marker 2 [T1]
 7.95 dBm
 2.463209500 GHz
 Marker 1 [T1]
 5.77 dBm
 2.463209500 GHz
 1.94 MHz
 Start 2.4 GHz
 8.35 MHz/
 Stop 2.4835 GHz

ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 3.JUN.2025 21:20:01

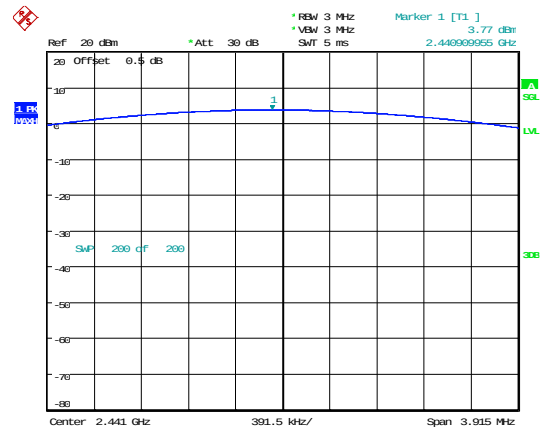
Maximum Conducted Output Power

Mode	Test Frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)	Verdict
DH1	2402	7.20	21.00	Pass
	2441	3.77	21.00	Pass
	2480	3.71	21.00	Pass
2DH1	2402	6.21	21.00	Pass
	2441	2.86	21.00	Pass
	2480	2.74	21.00	Pass
3DH1	2402	6.28	21.00	Pass
	2441	2.92	21.00	Pass
	2480	2.86	21.00	Pass

DH1_Low



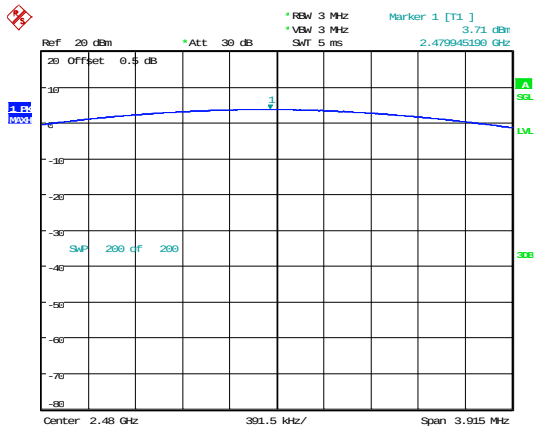
DH1_Middle



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 3.JUN.2025 21:22:06

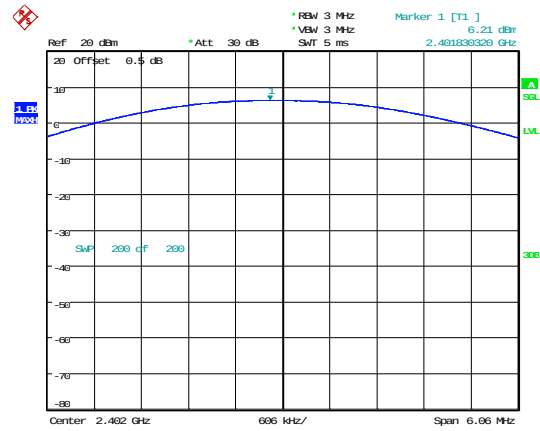
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 3.JUN.2025 21:22:54

DH1_High



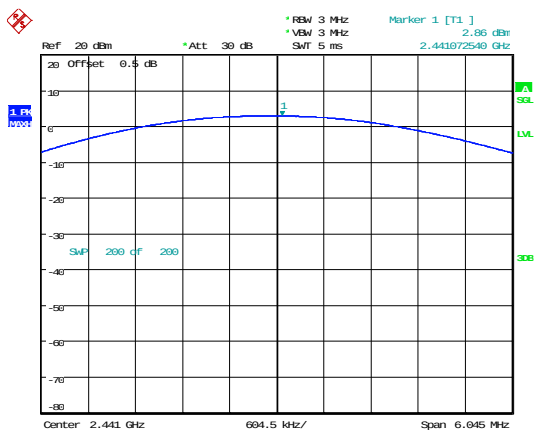
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 3.JUN.2025 21:23:21

2DH1_Low



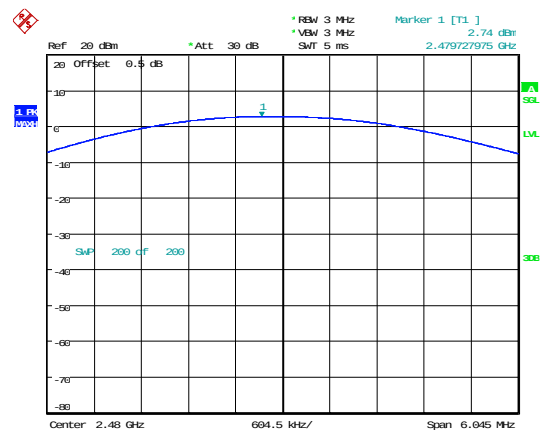
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 3.JUN.2025 21:28:19

2DH1_Middle



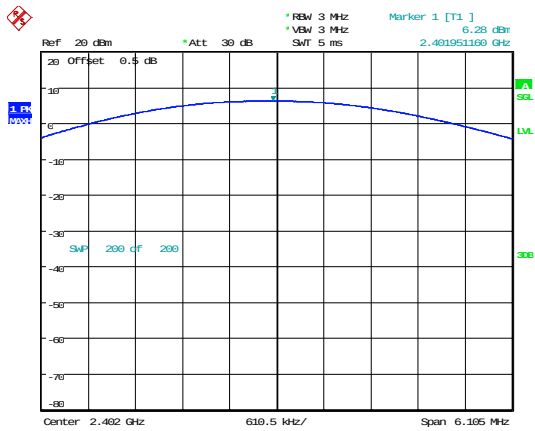
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 3.JUN.2025 21:28:49

2DH1_High



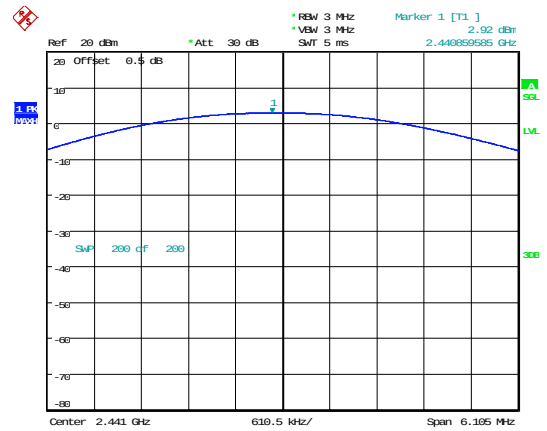
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 3.JUN.2025 21:29:14

3DH1_Low



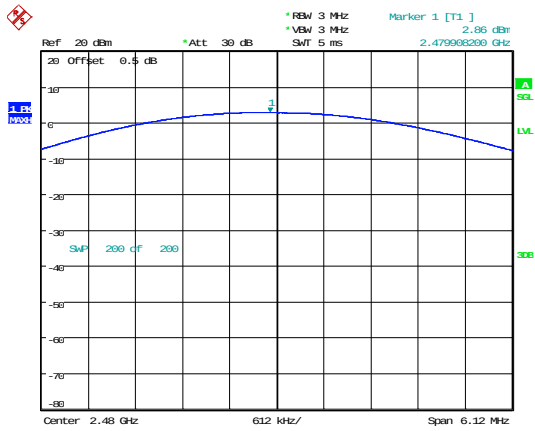
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 3.JUN.2025 21:26:25

3DH1_Middle



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 3.JUN.2025 21:26:49

3DH1_High

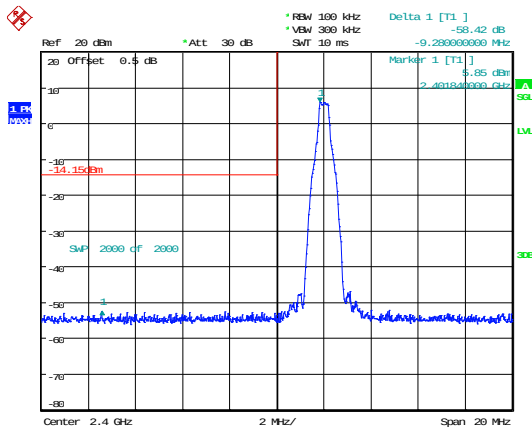


ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 3.JUN.2025 21:27:22

100 kHz Bandwidth of Frequency Band Edge

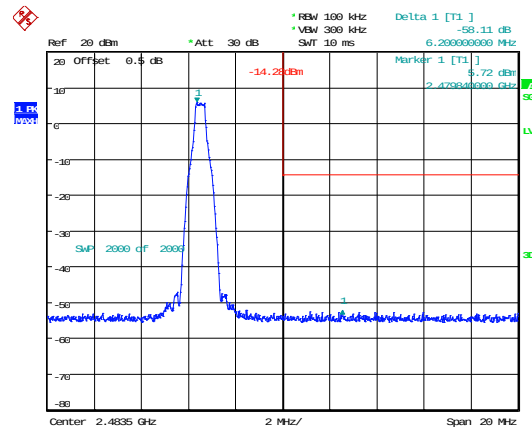
Mode	Channel	Result (dB)	Limit (dB)	Verdict
DH1	Low	58.42	20.00	Pass
	High	58.11	20.00	Pass
	Hopping_Lower	58.79	20.00	Pass
	Hopping_Upper	57.78	20.00	Pass
2DH1	Low	57.55	20.00	Pass
	High	57.47	20.00	Pass
	Hopping_Lower	57.93	20.00	Pass
	Hopping_Upper	57.23	20.00	Pass
3DH1	Low	57.32	20.00	Pass
	High	57.40	20.00	Pass
	Hopping_Lower	58.17	20.00	Pass
	Hopping_Upper	57.64	20.00	Pass

DH1_Low



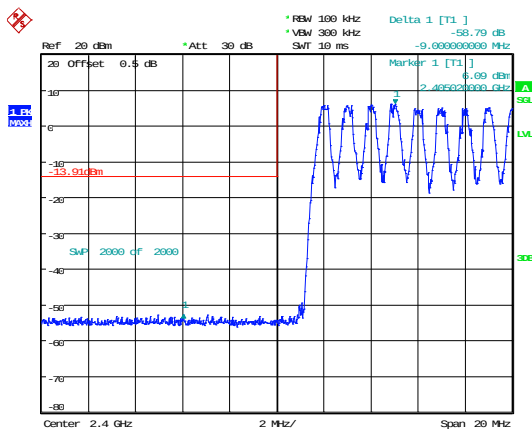
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Date: 16.MAY.2025 23:00:10

DH1_High



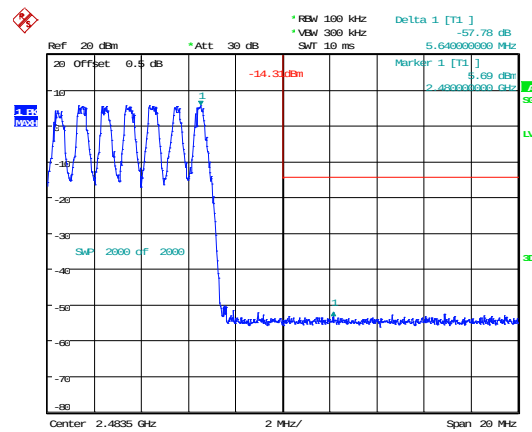
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:06:14

DH1_Hopping_Lower



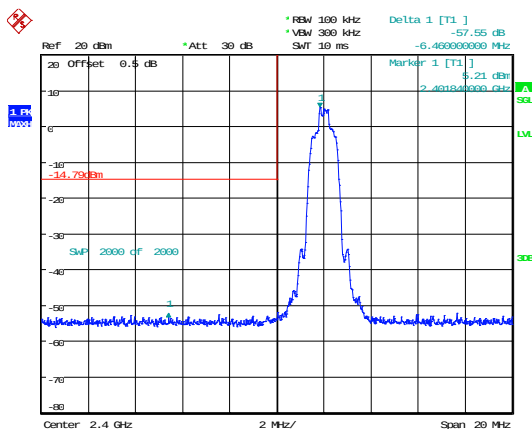
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:37:40

DH1_Hopping_Upper



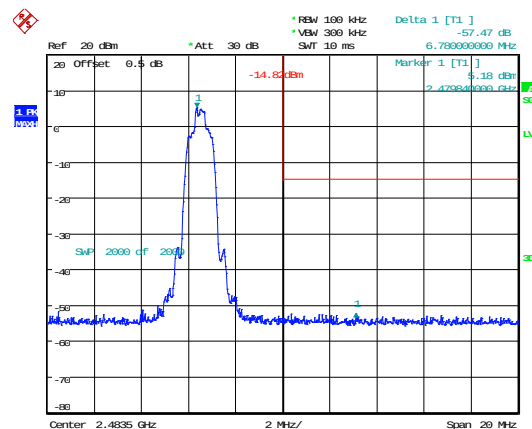
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Date: 16.MAY.2025 23:40:51

2DH1_Low



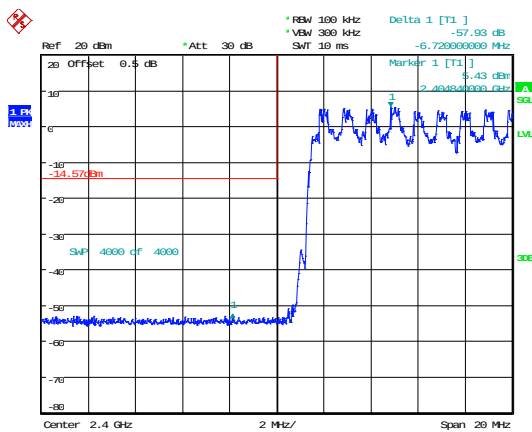
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Date: 16.MAY.2025 23:11:54

2DH1_High



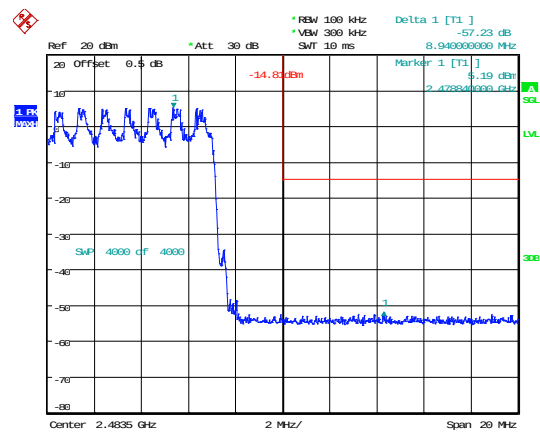
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:18:21

2DH1_Hopping_Lower



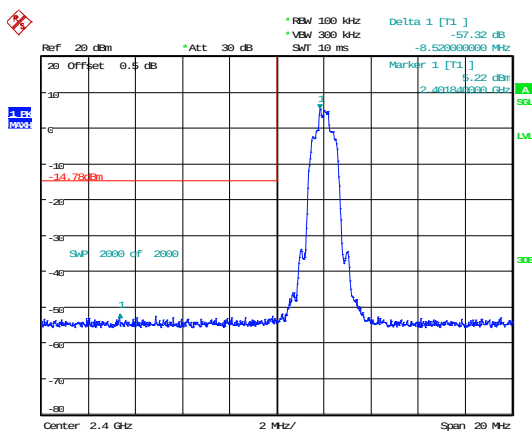
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:11:27

2DH1_Hopping_Upper



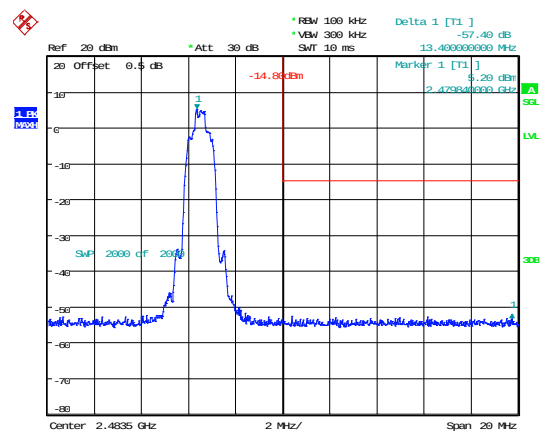
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Date: 17.MAY.2025 00:17:01

3DH1_Low



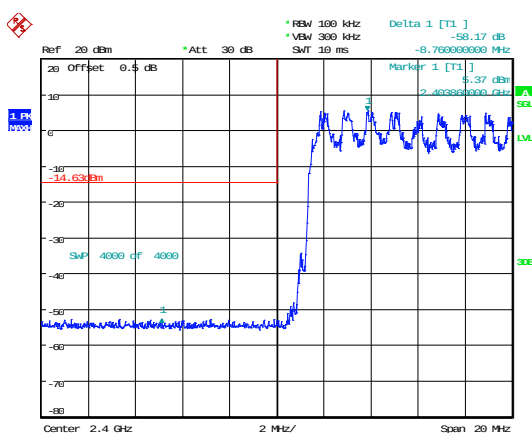
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Date: 16.MAY.2025 23:24:10

3DH1_High



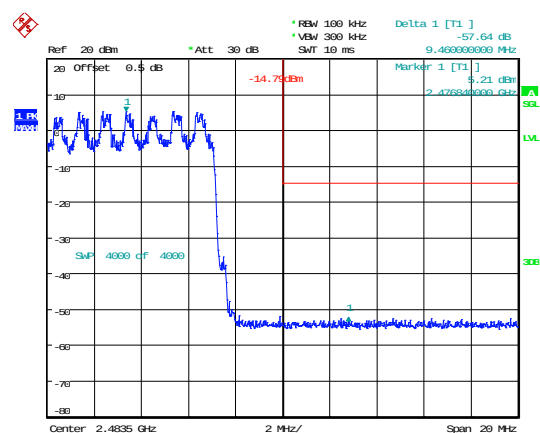
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 16.MAY.2025 23:30:43

3DH1_Hopping_Lower



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:22:44

3DH1_Hopping_Upper

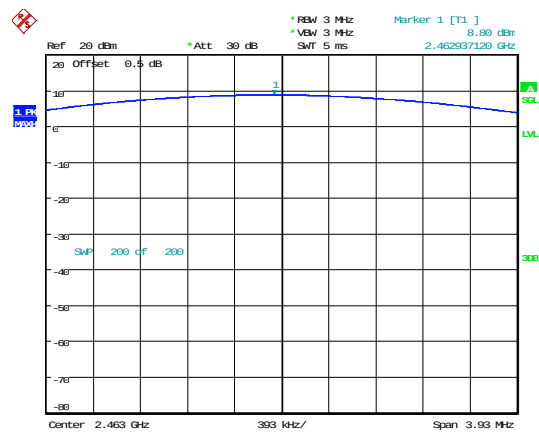


ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:30:48

Additional Channel power

Mode	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
DH1	2457	8.80	21.00	Pass

DH1_Additional



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 3.JUN.2025 21:33:25

Time of Occupancy (dwell time)

Mode	Channel	Pulse width (ms)	Dwell time (s)	Limit (s)	Verdict
DH1	Hopping	0.395	0.126	0.400	Pass
DH3	Hopping	1.659	0.265	0.400	Pass
DH5	Hopping	2.930	0.313	0.400	Pass
2DH1	Hopping	0.402	0.129	0.400	Pass
2DH3	Hopping	1.662	0.266	0.400	Pass
2DH5	Hopping	2.930	0.313	0.400	Pass
3DH1	Hopping	0.393	0.126	0.400	Pass
3DH3	Hopping	1.662	0.266	0.400	Pass
3DH5	Hopping	2.935	0.313	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

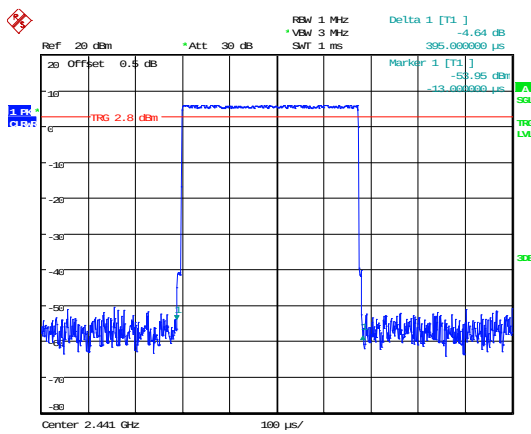
2DH5: Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s

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

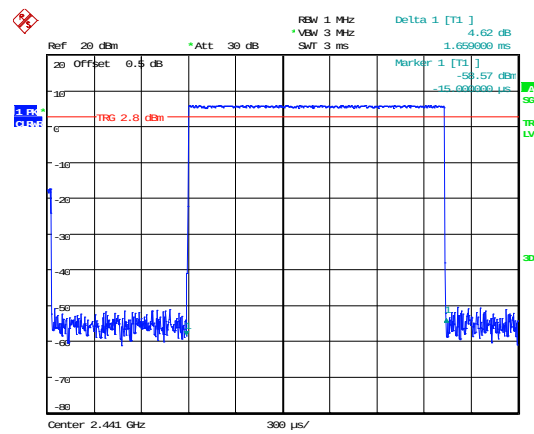
3DH3: Dwell time=Pulse width (ms) × (1600/4/79) ×31.6 s

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

DH1_Hopping



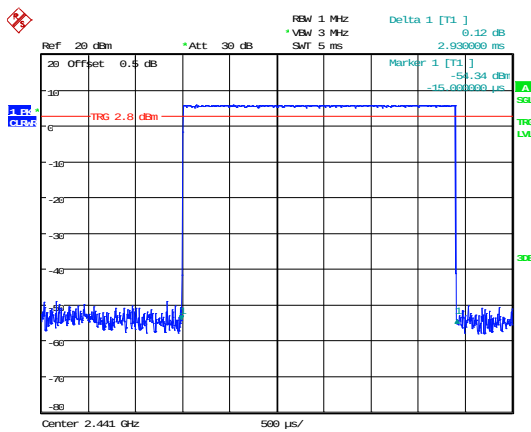
DH3_Hopping



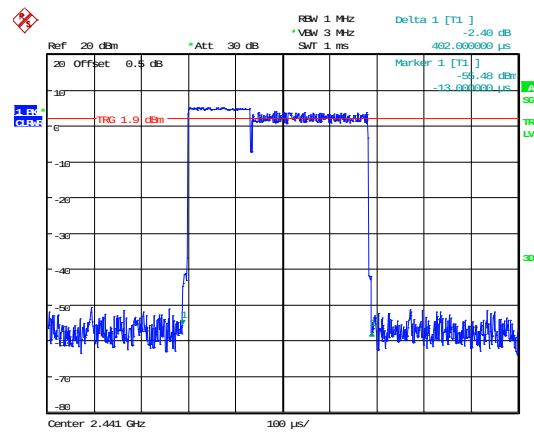
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:43:52

ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:44:33

DH5_Hopping



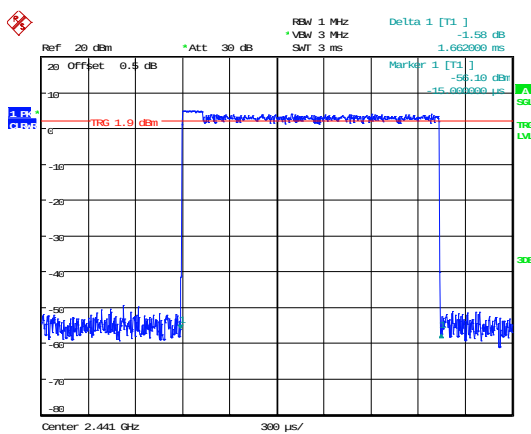
2DH1_Hopping



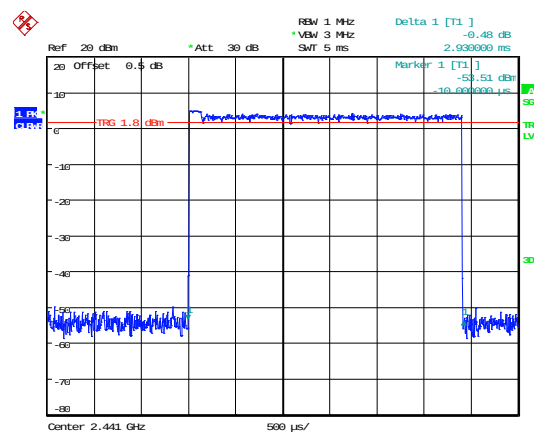
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:45:19

ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:46:02

2DH3_Hopping



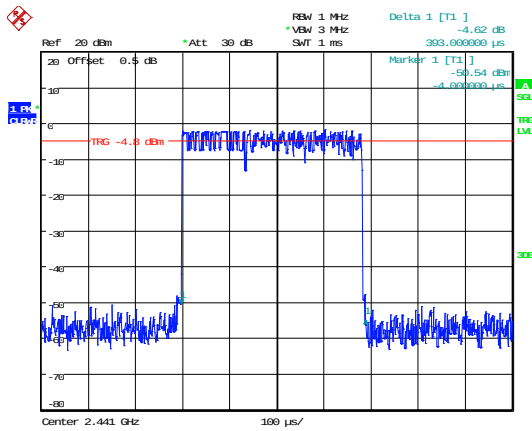
2DH5_Hopping



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:46:49

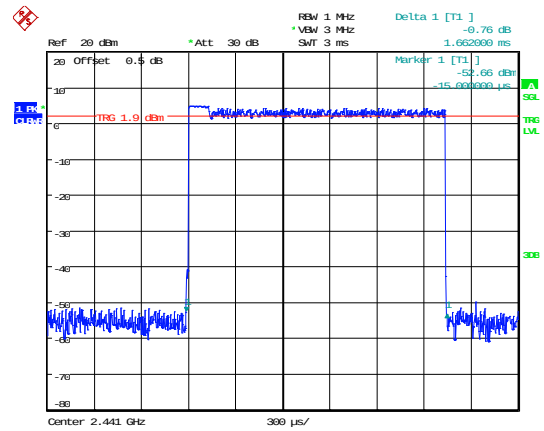
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:47:31

3DH1_Hopping



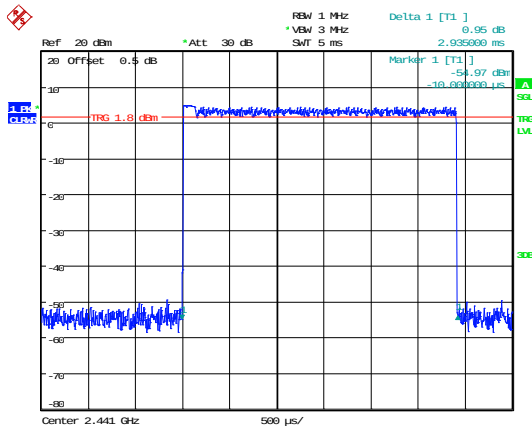
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:48:17

3DH3_Hopping



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 17.MAY.2025 00:49:10

3DH5_Hopping



ProjectNo.:2503S20876E-RF Tester:Chin Qin
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