

Appendix A.2(BT-RF Conducted Test Result)

20 dB Emission Bandwidth

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/06
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

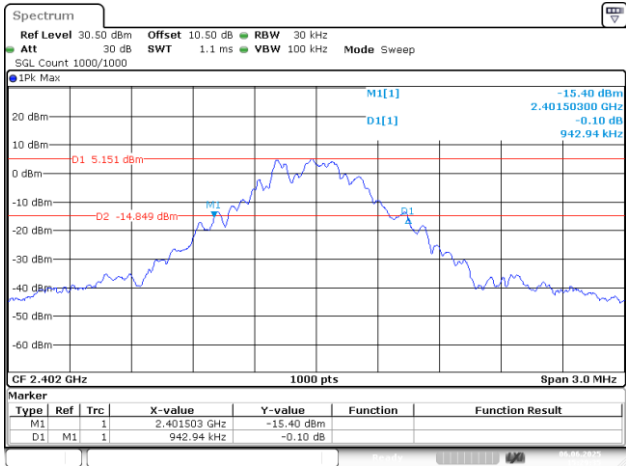
Environmental Conditions:

Temperature: (°C)	25.1	Relative Humidity: (%)	49	ATM Pressure: (kPa)	99.7
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Test Data:

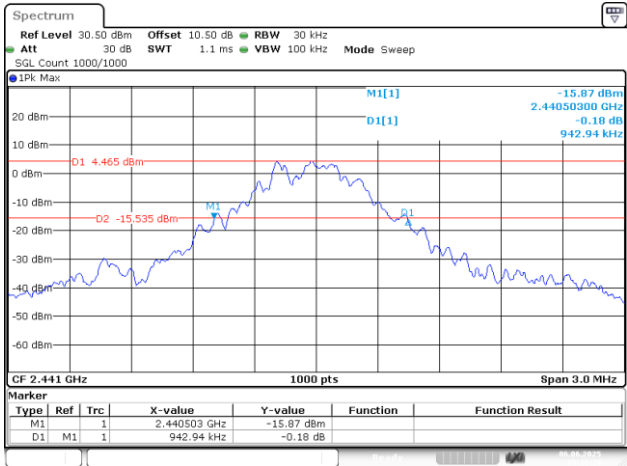
Mode	Channel	Result (MHz)
DH1	Low	0.943
	Middle	0.943
	High	0.946
2DH1	Low	1.306
	Middle	1.306
	High	1.303
3DH1	Low	1.282
	Middle	1.279
	High	1.279

DH1_Low



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:29:35

DH1_Middle



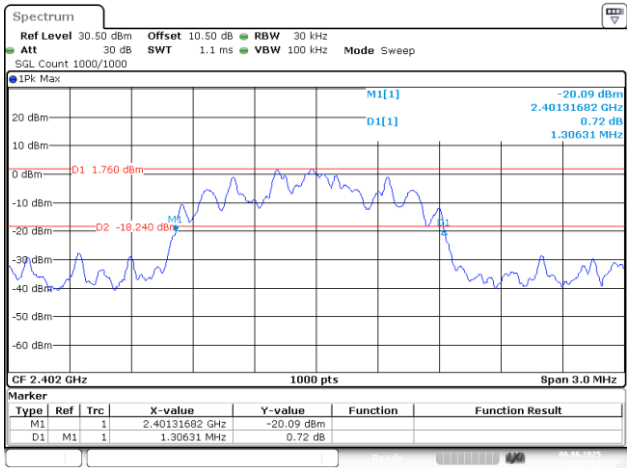
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:31:29

DH1_High



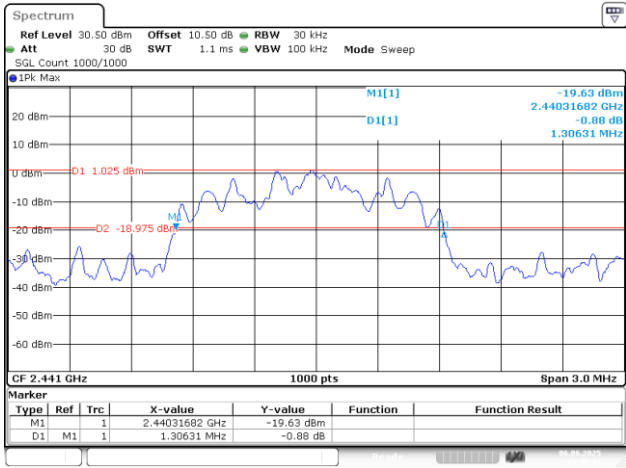
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:37:04

2DH1_Low



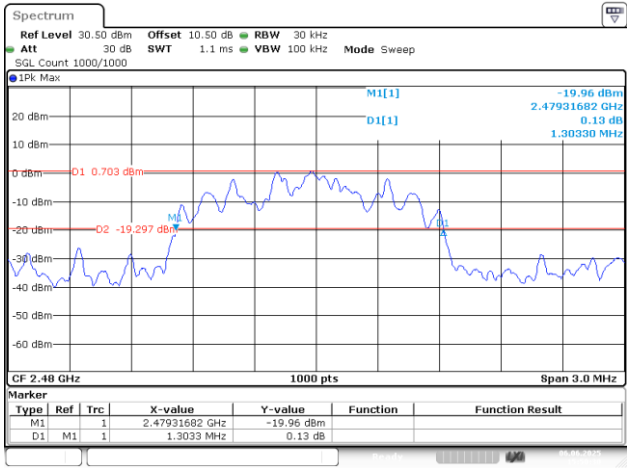
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:47:57

2DH1_Middle



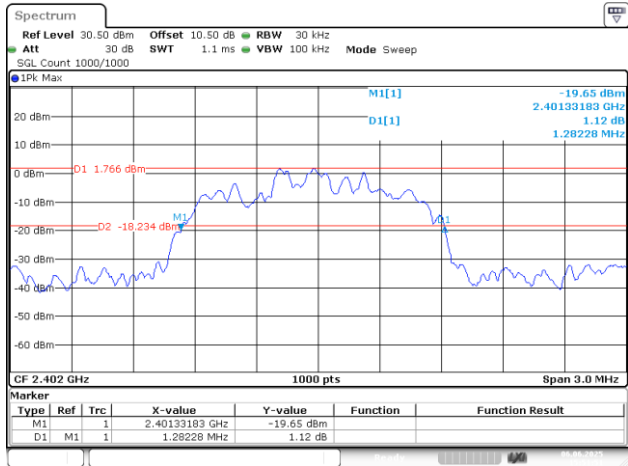
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:49:35

2DH1_High



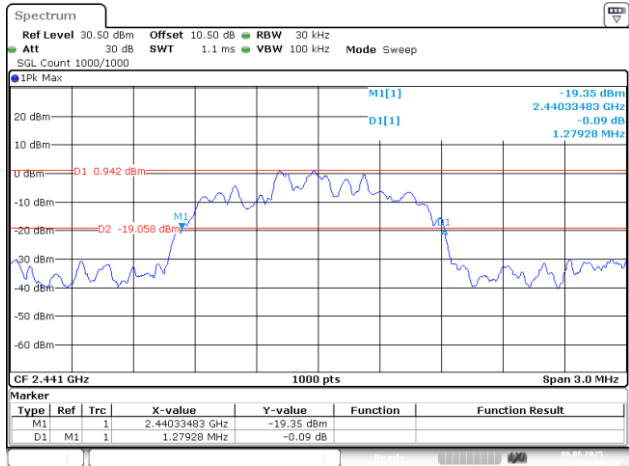
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:50:30

3DH1_Low



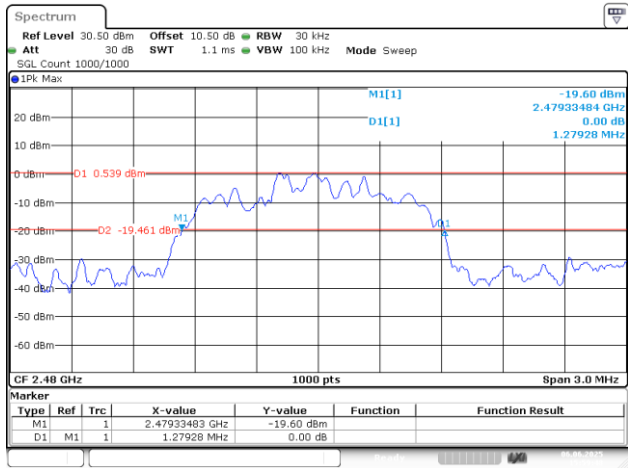
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:51:51

3DH1_Middle



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:58:10

3DH1_High



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:59:48

99% Occupied Bandwidth

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/06
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	/

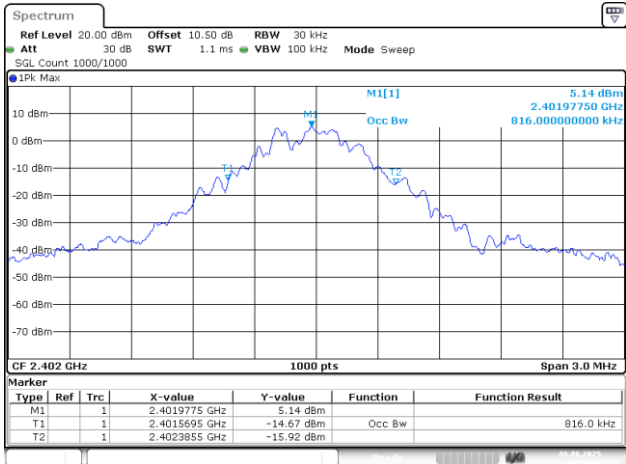
Environmental Conditions:

Temperature: (°C)	25.1	Relative Humidity: (%)	49	ATM Pressure: (kPa)	99.7
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Test Data:

Mode	Channel	99% OBW (MHz)
DH1	Low	0.816
	Middle	0.831
	High	0.822
2DH1	Low	1.239
	Middle	1.245
	High	1.242
3DH1	Low	1.152
	Middle	1.155
	High	1.155

DH1_Low



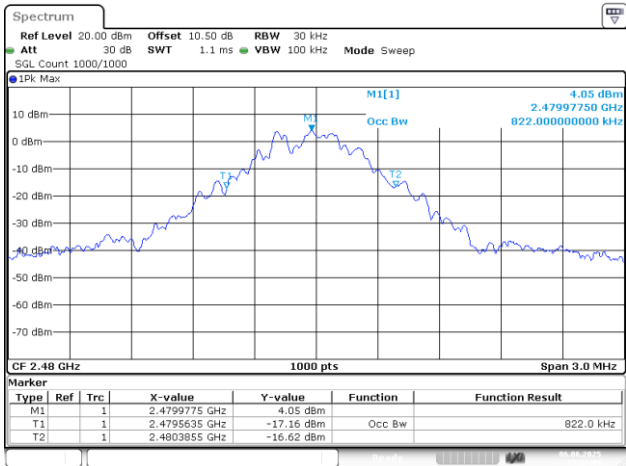
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:29:43

DH1_Middle



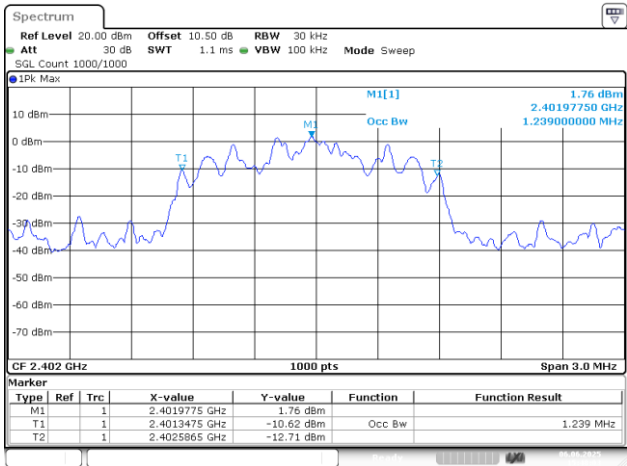
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:31:36

DH1_High



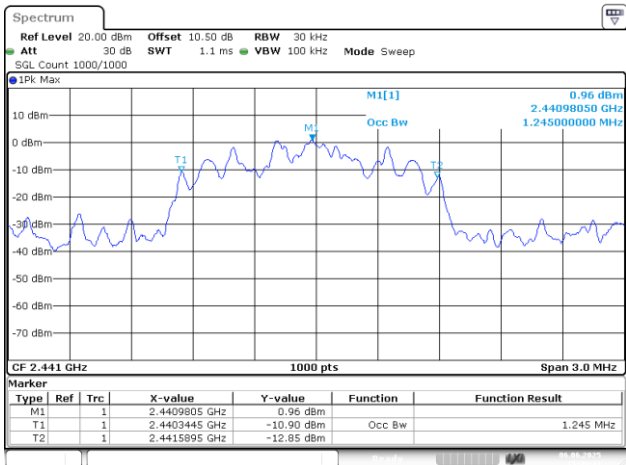
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:37:09

2DH1_Low



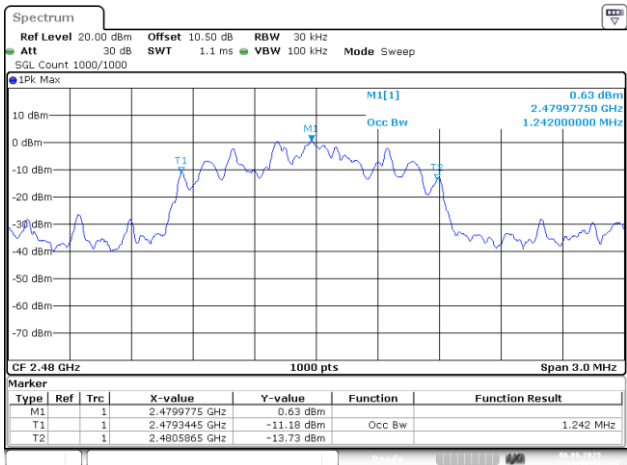
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:48:03

2DH1_Middle



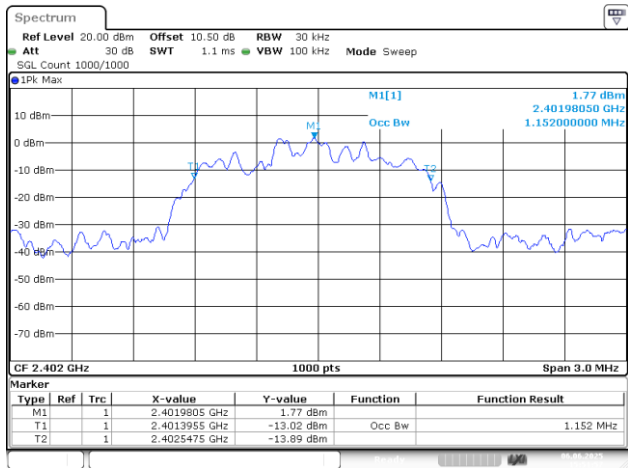
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:49:40

2DH1_High



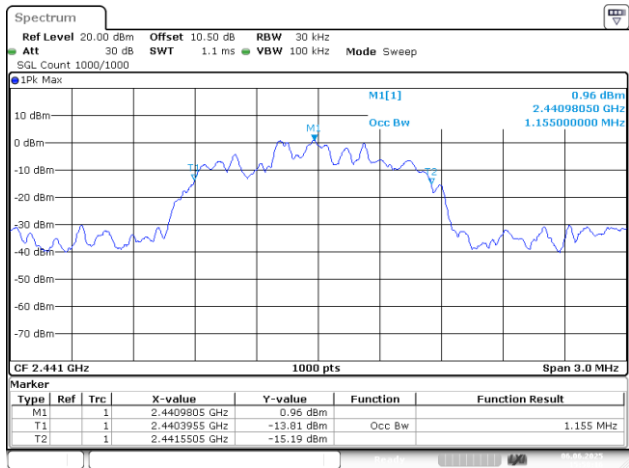
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:50:35

3DH1_Low



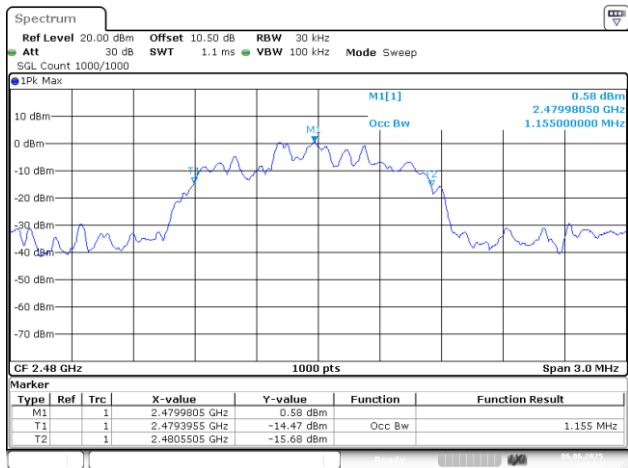
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:51:57

3DH1_Middle



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:58:16

3DH1_High



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:59:53

Channel Separation

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

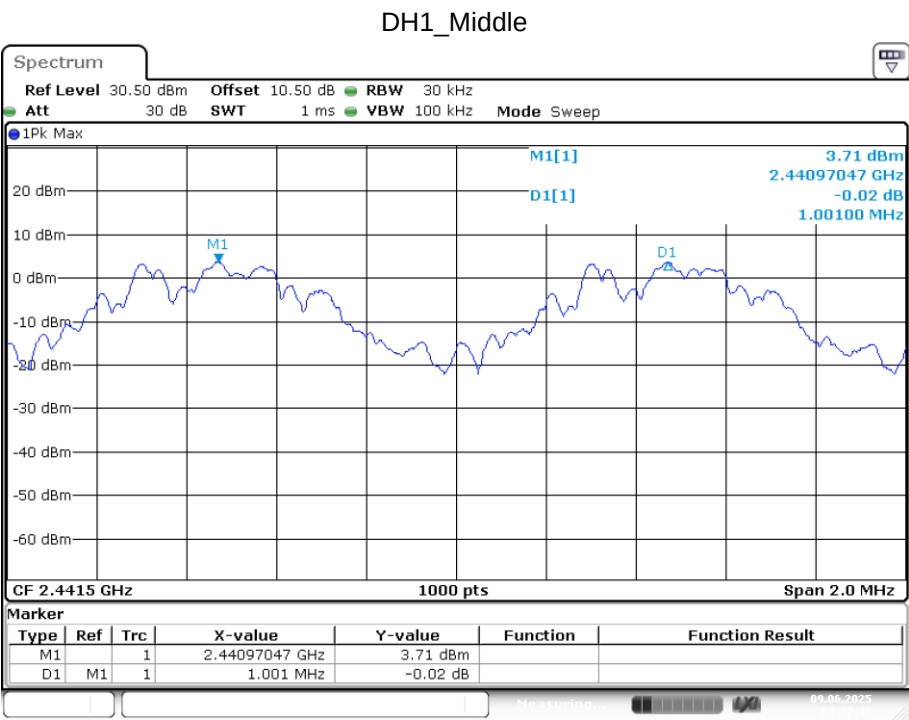
Environmental Conditions:

Temperature: (°C)	26.4	Relative Humidity: (%)	47	ATM Pressure: (kPa)	99.7
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Test Data:

Mode	Channel	Result (MHz)	Limit (MHz)	Verdict
DH1	Middle	1.001	0.871	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.



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:27:48

Number of Hopping Frequency

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

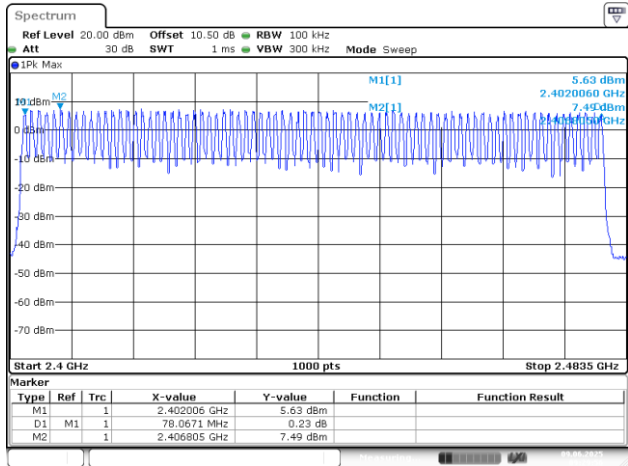
Environmental Conditions:

Temperature: (°C)	26.4	Relative Humidity: (%)	47	ATM Pressure: (kPa)	99.7
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Test Data:

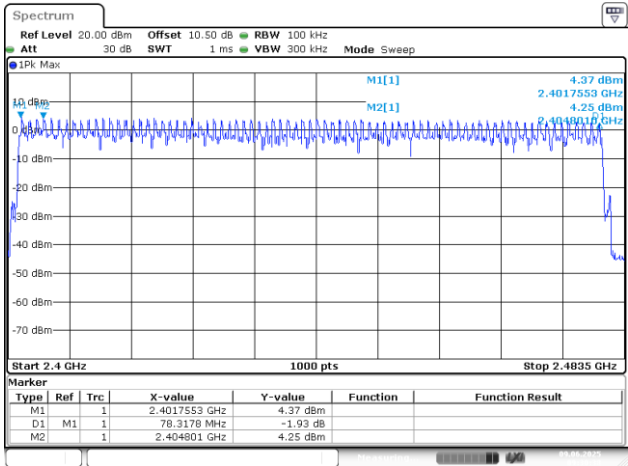
Mode	Channel	Result	Limit	Verdict
DH1	Hopping	79	15	Pass
2DH1	Hopping	79	15	Pass
3DH1	Hopping	79	15	Pass

DH1_Hopping



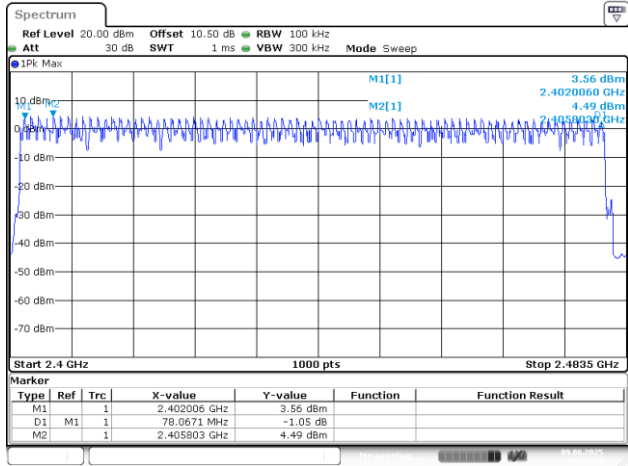
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:29:57

2DH1_Hopping



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:30:39

3DH1_Hopping



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:31:41

Maximum Conducted Output Power

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/06
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

Environmental Conditions:

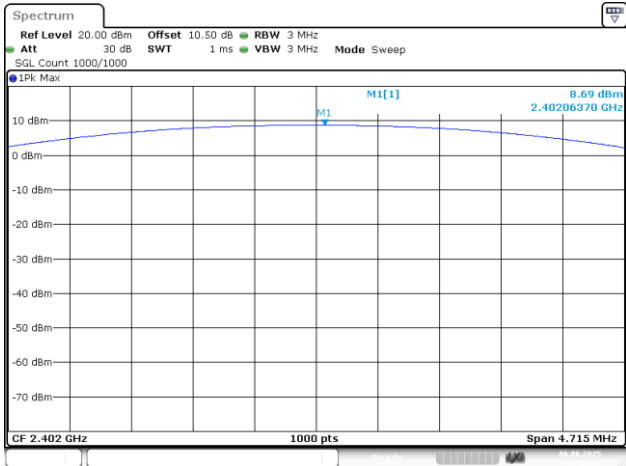
Temperature: (°C)	25.1	Relative Humidity: (%)	49	ATM Pressure: (kPa)	99.7
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Test Data:

Mode	Test Frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm) (For ISSED)	Verdict
DH1	2402	8.69	21.00	12.01	36	Pass
	2441	7.96	21.00	11.28	36	Pass
	2480	7.58	21.00	10.90	36	Pass
2DH1	2402	7.68	21.00	11.00	36	Pass
	2441	6.97	21.00	10.29	36	Pass
	2480	6.58	21.00	9.90	36	Pass
3DH1	2402	7.89	21.00	11.21	36	Pass
	2441	7.09	21.00	10.41	36	Pass
	2480	6.68	21.00	10.00	36	Pass

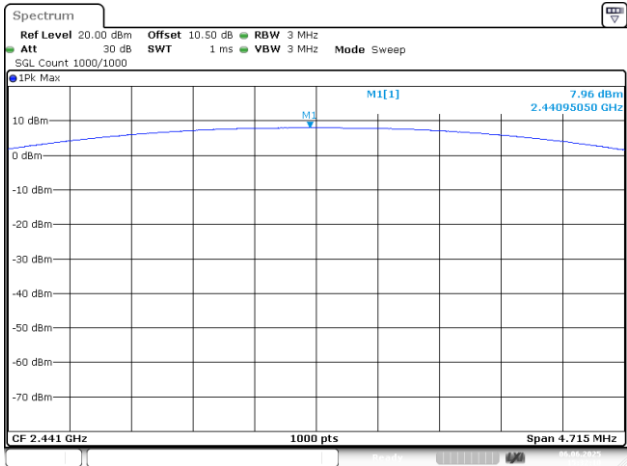
Note:
EIRP = Peak Output Power + Antenna gain

DH1_Low



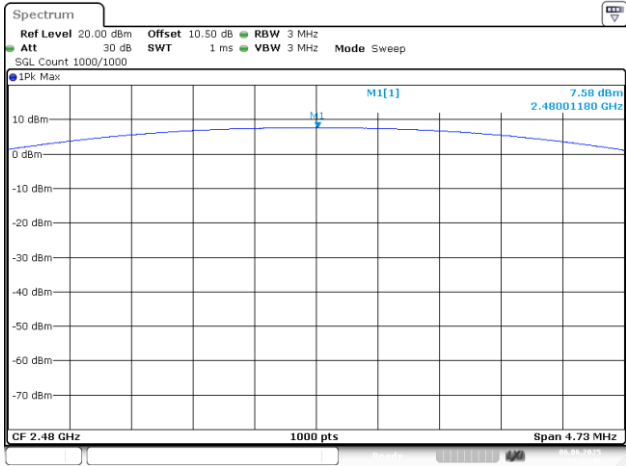
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:29:52

DH1_Middle



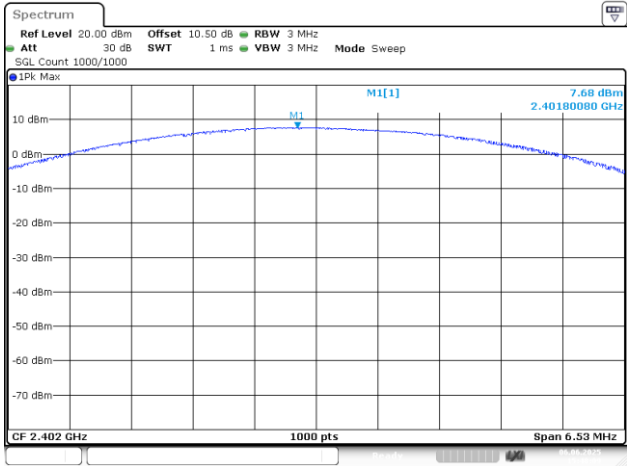
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:32:10

DH1_High



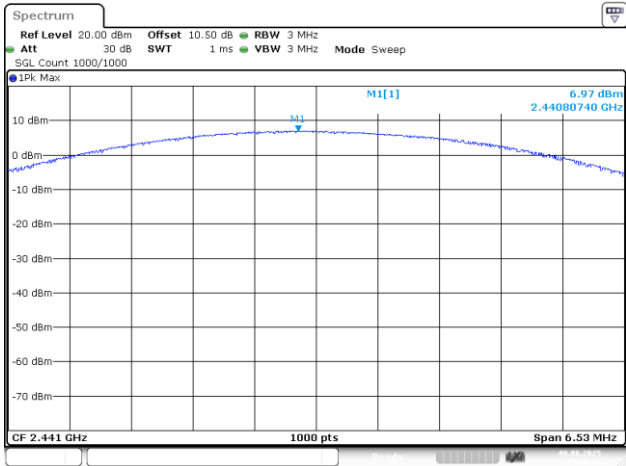
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:37:46

2DH1_Low



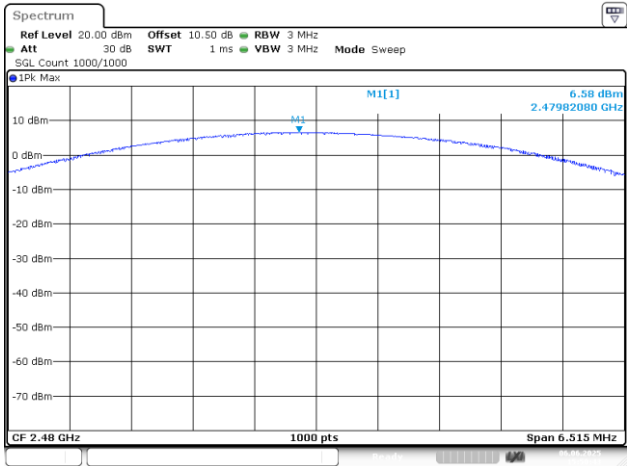
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:48:09

2DH1_Middle



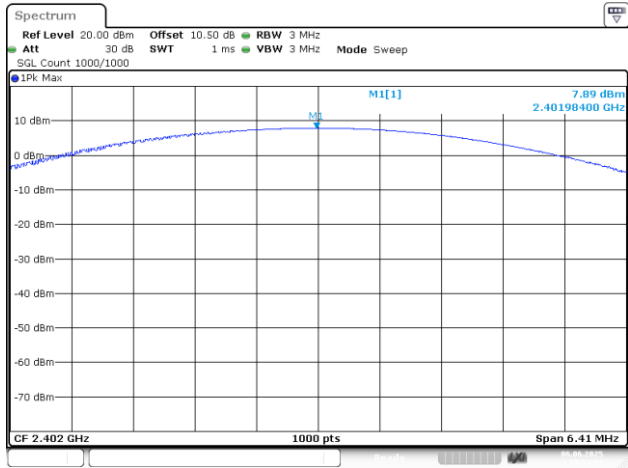
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:49:59

2DH1_High



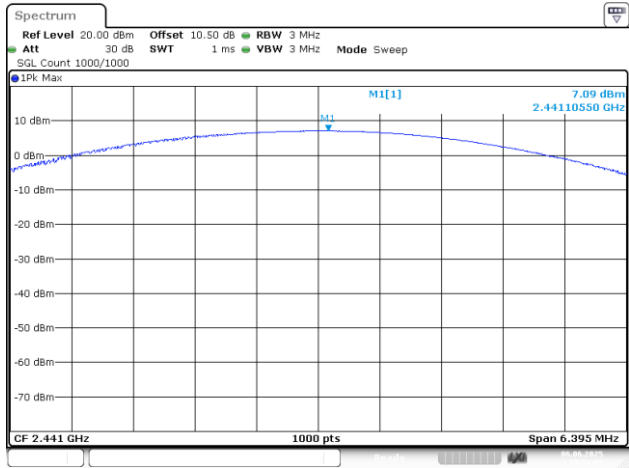
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:50:43

3DH1_Low



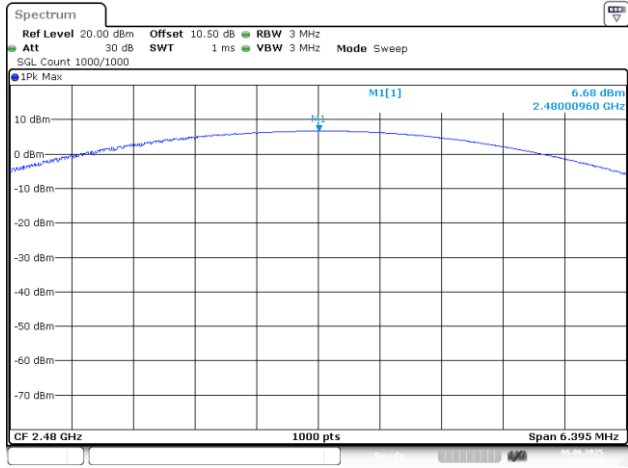
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:52:22

3DH1_Middle



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:58:25

3DH1_High



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 16:00:00

100 kHz Bandwidth of Frequency Band Edge

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/06~2025/06/09
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

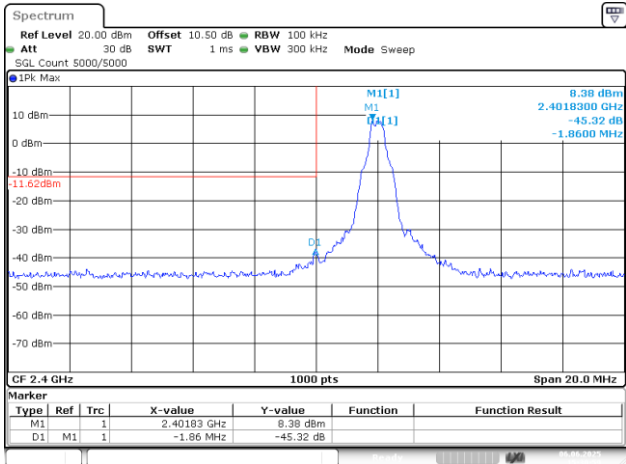
Environmental Conditions:

Temperature: (°C)	25.1~26.4	Relative Humidity: (%)	47~49	ATM Pressure: (kPa)	99.7
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Test Data:

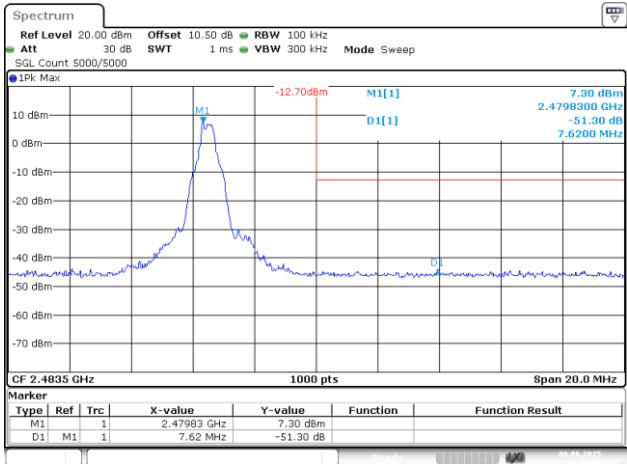
Mode	Channel	Result (dB)	Limit (dB)	Verdict
DH1	Low	45.32	20.00	Pass
	High	51.30	20.00	Pass
	Hopping_Lower	47.95	20.00	Pass
	Hopping_Upper	48.80	20.00	Pass
2DH1	Low	44.86	20.00	Pass
	High	47.07	20.00	Pass
	Hopping_Lower	46.21	20.00	Pass
	Hopping_Upper	47.13	20.00	Pass
3DH1	Low	46.07	20.00	Pass
	High	48.17	20.00	Pass
	Hopping_Lower	45.25	20.00	Pass
	Hopping_Upper	46.83	20.00	Pass

DH1_Low



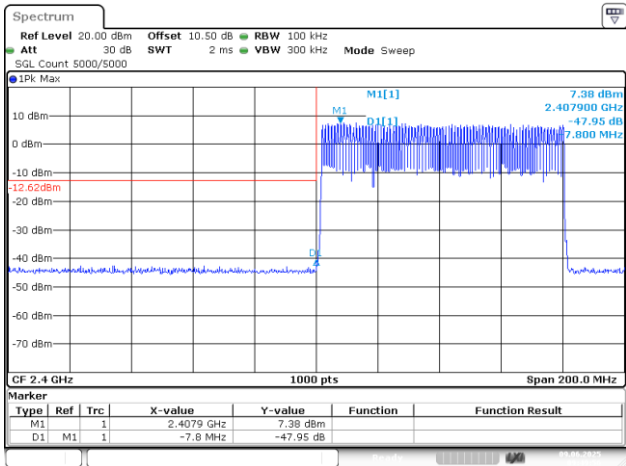
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:30:59

DH1_High



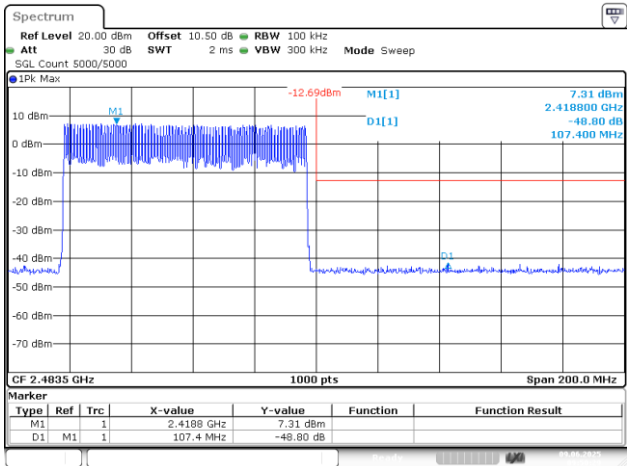
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:38:30

DH1_Hopping_Lower



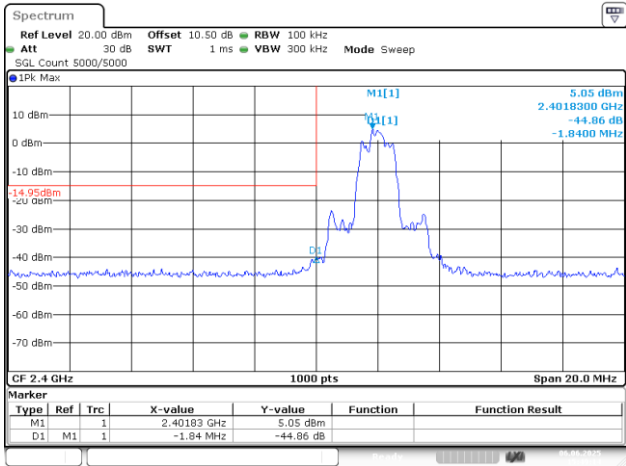
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:49:56

DH1_Hopping_Upper



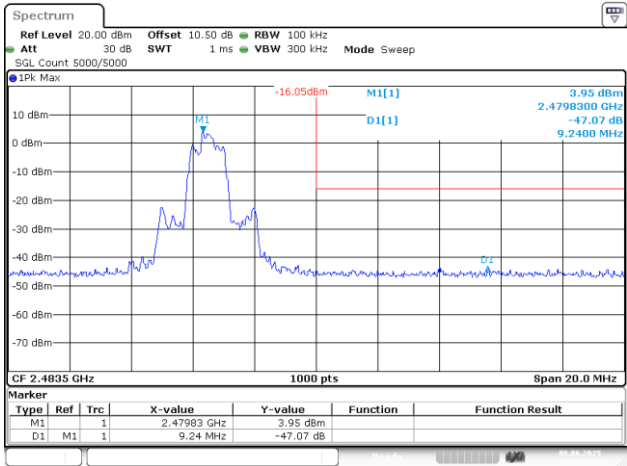
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:50:29

2DH1_Low



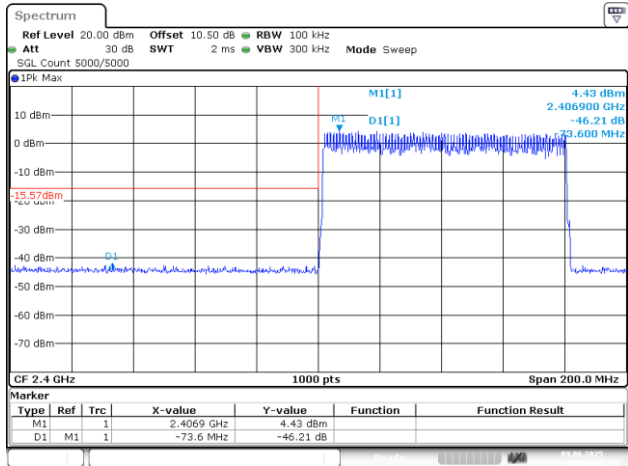
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:49:14

2DH1_High



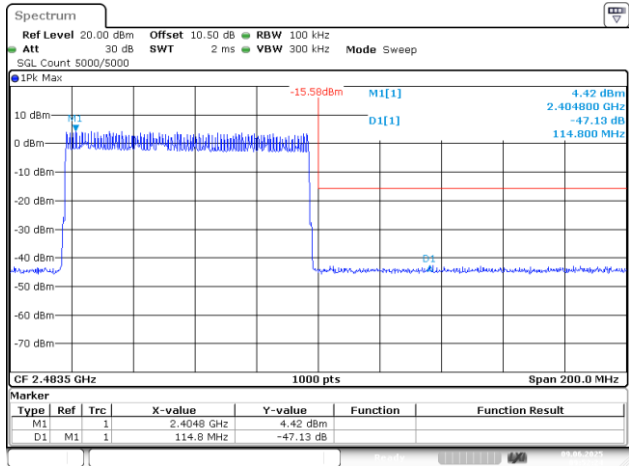
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:51:26

2DH1_Hopping_Lower



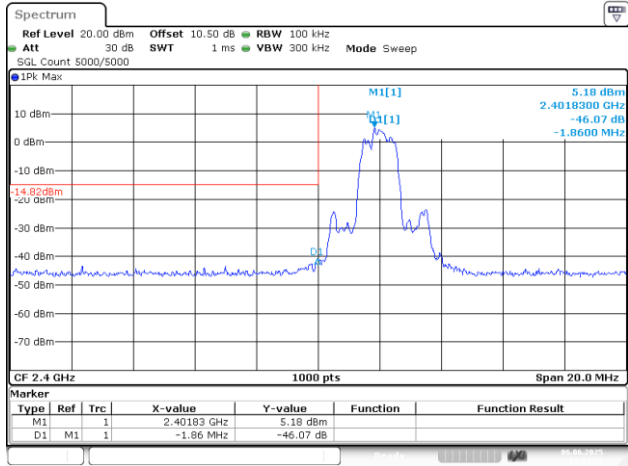
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:51:51

2DH1_Hopping_Upper



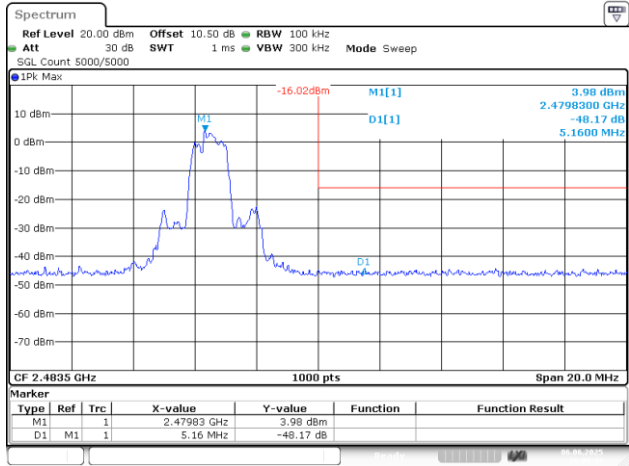
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:52:24

3DH1_Low



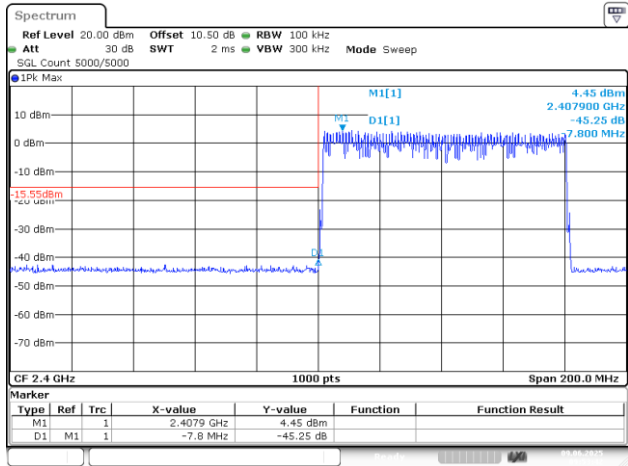
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 15:53:27

3DH1_High



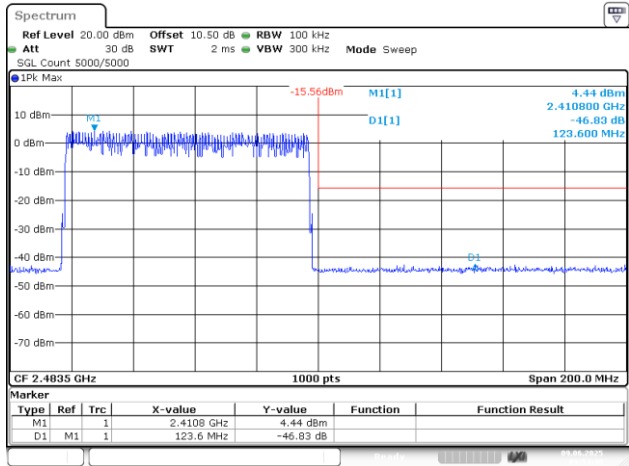
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 6.JUN.2025 16:00:43

3DH1_Hopping_Lower



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:53:42

3DH1_Hopping_Upper



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:54:40

Time of Occupancy (dwell time)

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

Environmental Conditions:

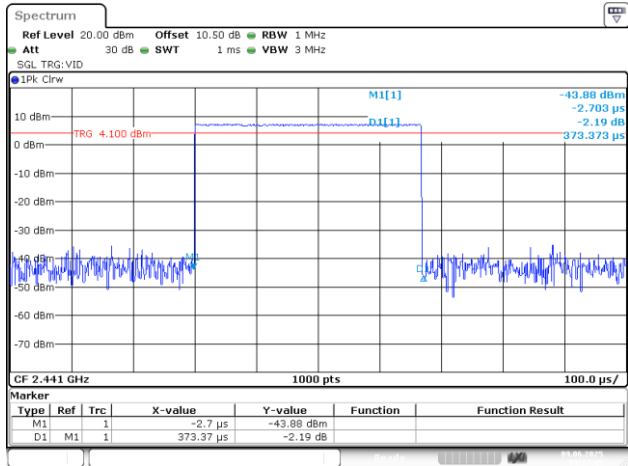
Temperature: (°C)	26.4	Relative Humidity: (%)	47	ATM Pressure: (kPa)	99.7
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Test Data:

Mode	Channel	Pulse width (ms)	Dwell time (s)	Limit (s)	Verdict
DH1	Hopping	0.373	0.119	0.400	Pass
DH3	Hopping	1.634	0.261	0.400	Pass
DH5	Hopping	2.883	0.308	0.400	Pass
2DH1	Hopping	0.382	0.122	0.400	Pass
2DH3	Hopping	1.640	0.262	0.400	Pass
2DH5	Hopping	2.893	0.309	0.400	Pass
3DH1	Hopping	0.383	0.123	0.400	Pass
3DH3	Hopping	1.637	0.262	0.400	Pass
3DH5	Hopping	2.893	0.309	0.400	Pass

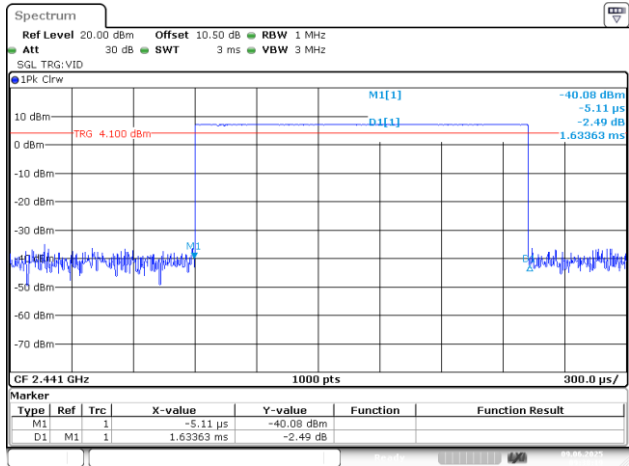
Note:
DH1:Dwell time=Pulse width (ms) × (1600/2/79) ×31.6 s
DH3:Dwell time=Pulse width (ms) × (1600/4/79) ×31.6 s
DH5:Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s
2DH1: Dwell time=Pulse width (ms) × (1600/2/79) ×31.6 s
2DH3: Dwell time=Pulse width (ms) × (1600/4/79) ×31.6 s
2DH5: Dwell time=Pulse 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



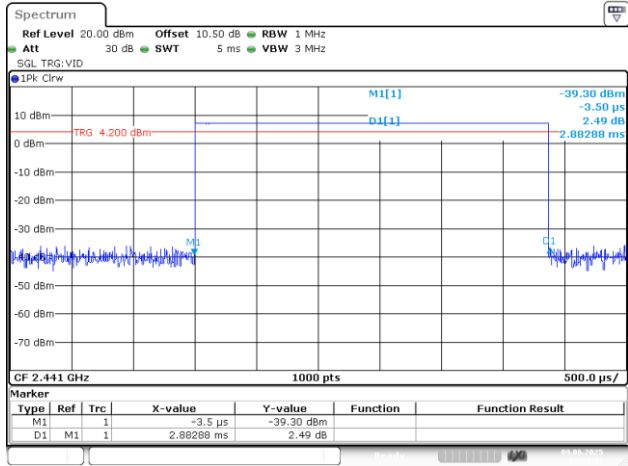
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:37:45

DH3_Hopping



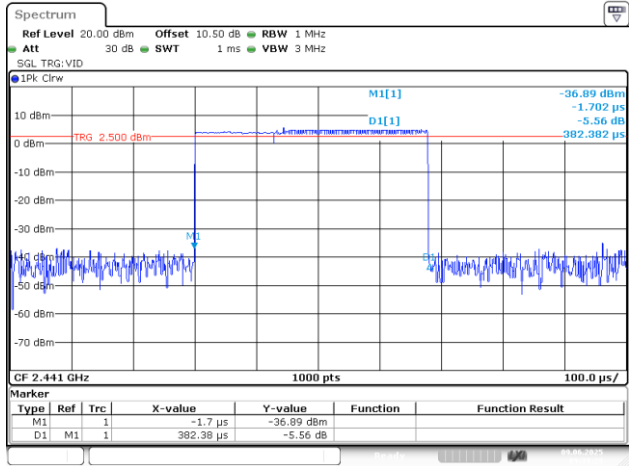
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:38:19

DH5_Hopping



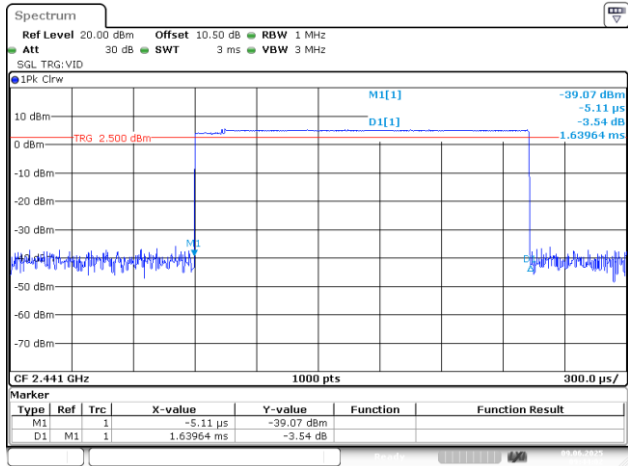
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:38:43

2DH1_Hopping



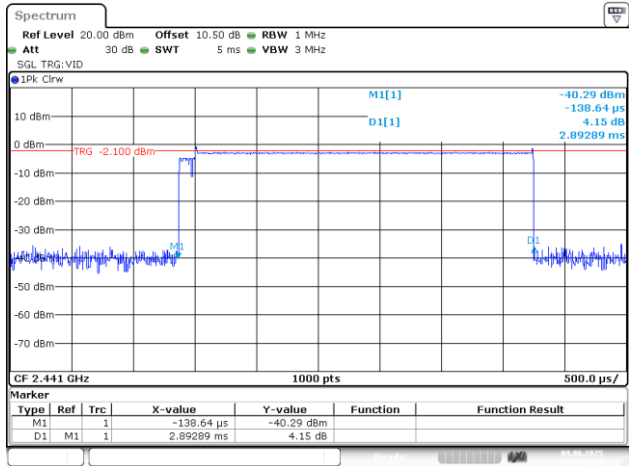
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:39:29

2DH3_Hopping



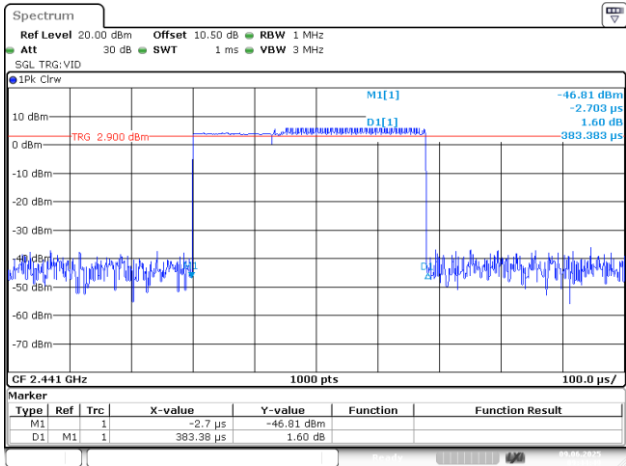
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Date: 9.JUN.2025 09:44:03

2DH5_Hopping



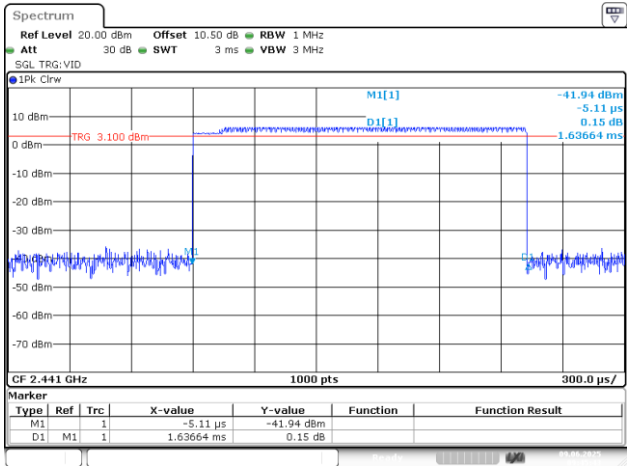
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Date: 9.JUN.2025 09:44:27

3DH1_Hopping



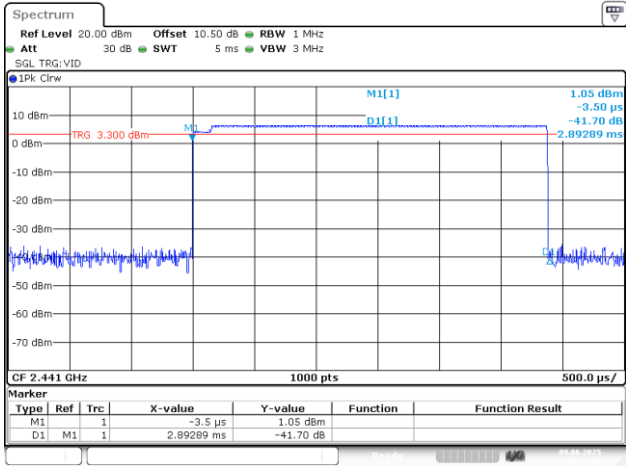
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3DH3_Hopping



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Date: 9.JUN.2025 09:45:43

3DH5_Hopping



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 09:48:40

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