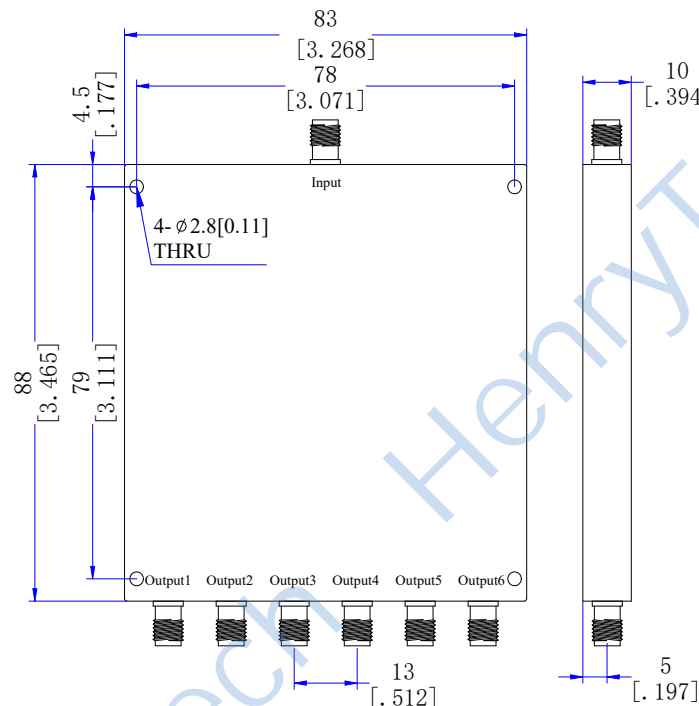


HLT-2/8-6S

6-Way Power Divider

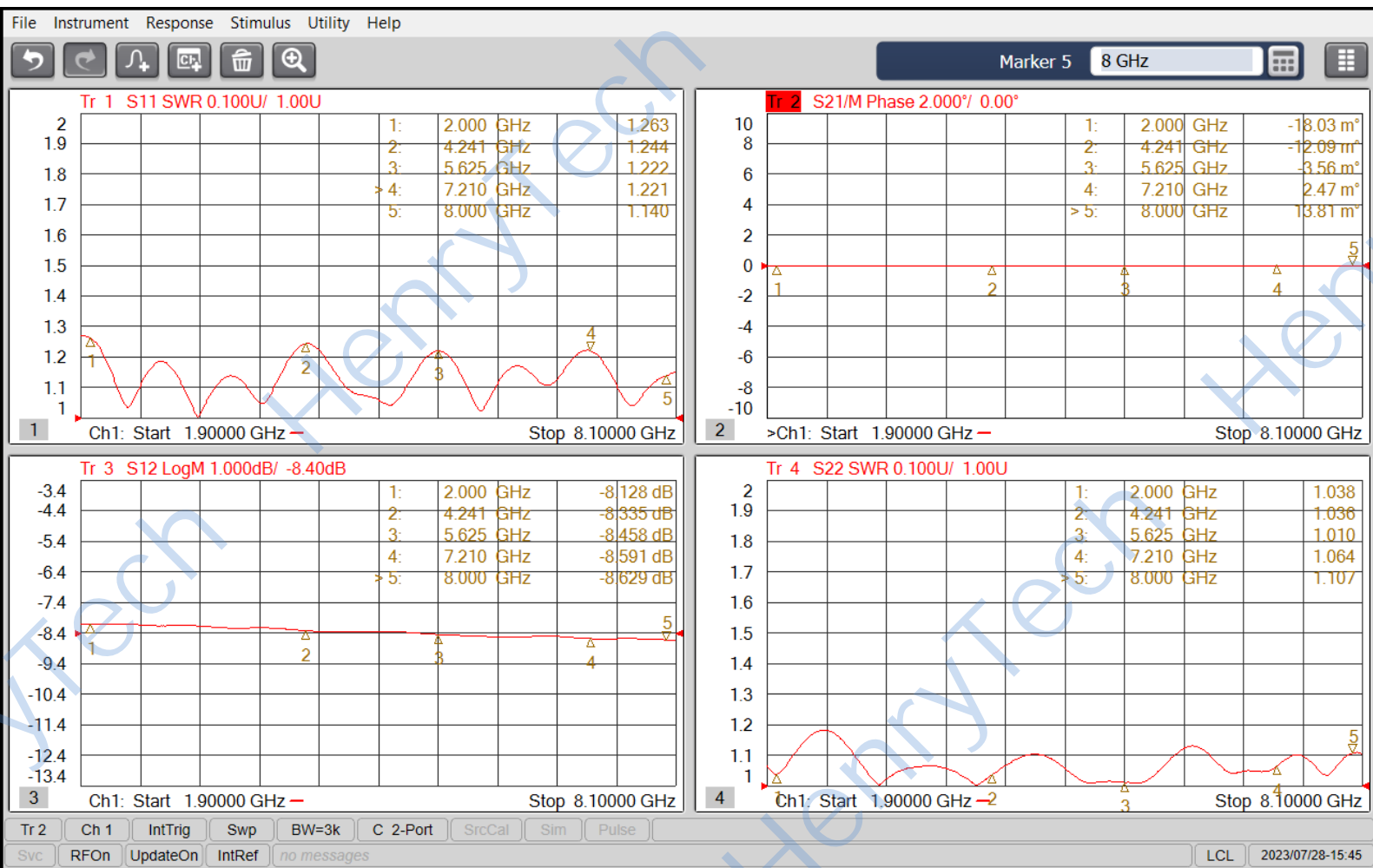
Specifications

SN	Parameters	Specifications
1	频率范围 Frequency Range	2000~8000 MHz
2	插入损耗 Insertion Loss	≤ 1.2 dB (Excluding theoretical loss 未含理论损耗 7.8 dB)
3	输入驻波 Input Port VSWR	Typ.1.16 / Max.1.35
4	输出驻波 Output Port VSWR	Typ.1.14 / Max.1.25
5	隔离度 Isolation	Typ.25dB / Min.20dB
6	幅度平衡 Amplitude Balance	±0.5dB
7	相位平衡 Phase Balance	±5°
8	阻抗 Impedance	50 Ohms
9	端口接头 Input/Output Connectors	SMA-Female (Passivated Stainless Steel)
10	承受功率 Power Rating	Splitter 分路器用时 30W; Combiner 合路器用时 2W
11	工作温度 Operation Temperature	-45°C ~ +85°C
12	表面处理 Surface Finishing	Black paint 黑色烤漆
13	外形尺寸 Outline Dimensions	88*83*10 (mm)
14	重量 Weight	153 (g)



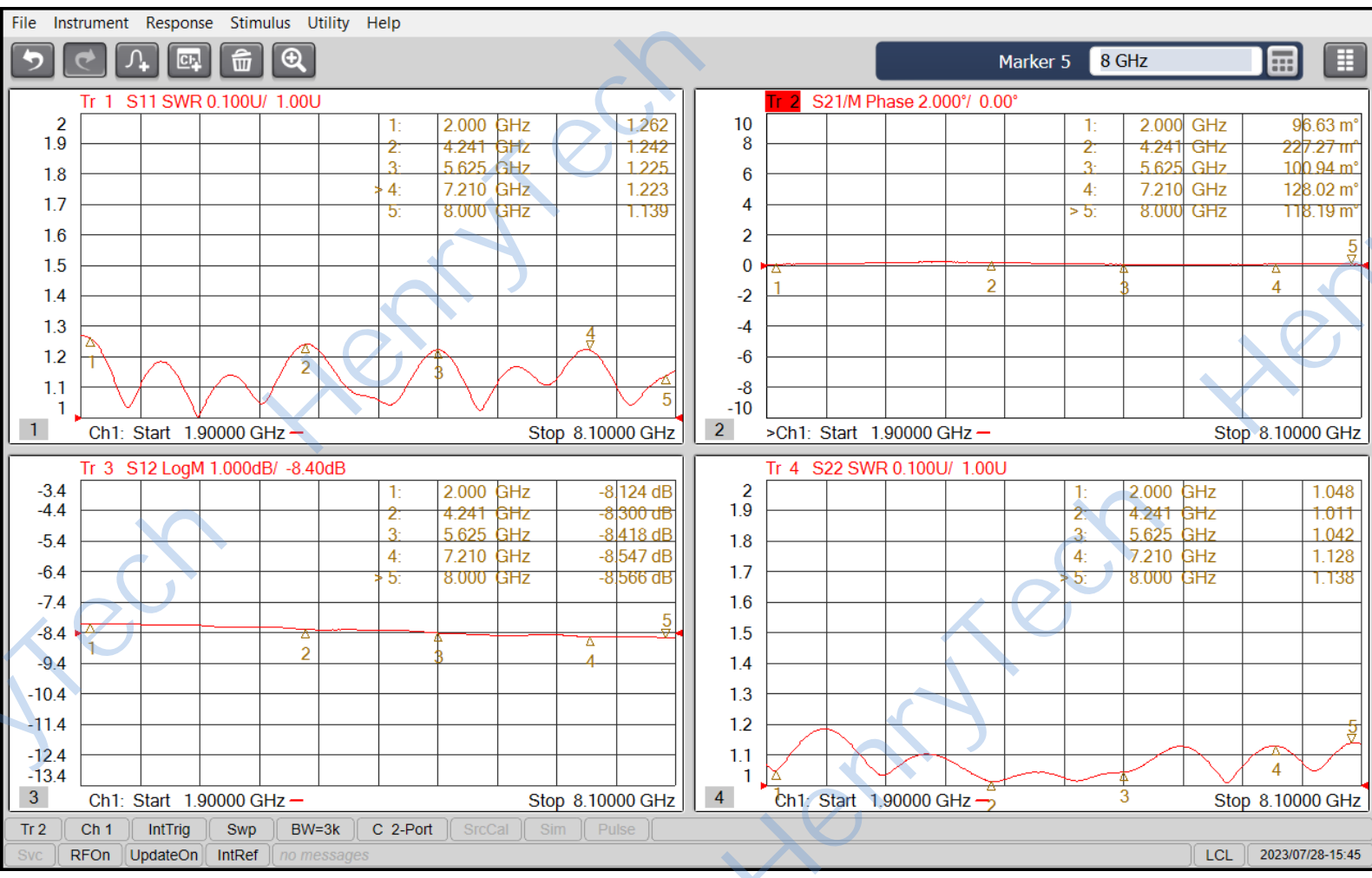
Note: Dimensions (mm / [inch]), General tolerance (±0.3)

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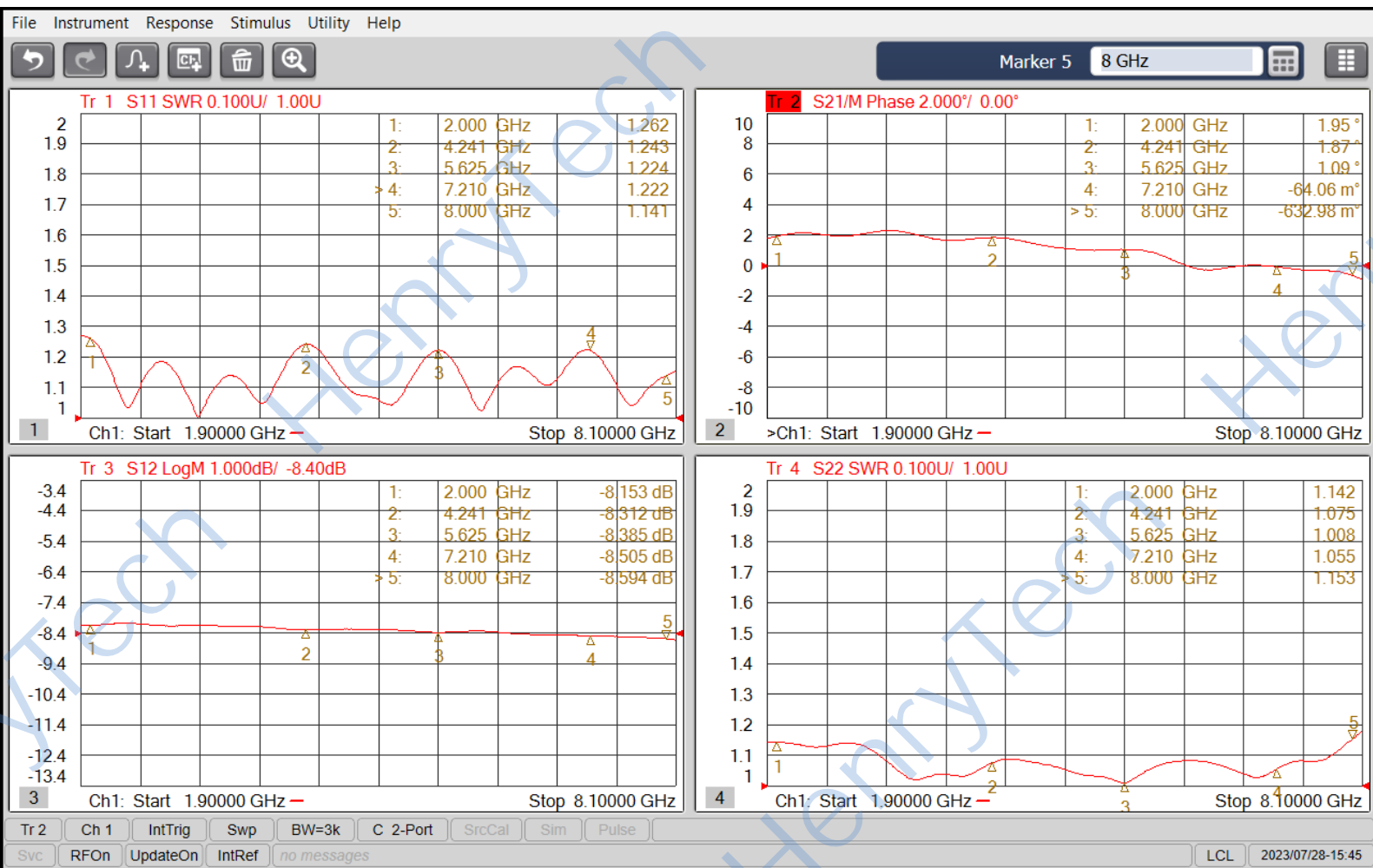
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File Instrument Response Stimulus Utility Help

Marker 5 8 GHz

Tr 1 S11 SWR 0.100U/ 1.00U

1:	2.000 GHz	1.261
2:	4.241 GHz	1.243
3:	5.625 GHz	1.225
4:	7.210 GHz	1.222
5:	8.000 GHz	1.139

Ch1: Start 1.90000 GHz Stop 8.10000 GHz

Tr 2 S21/M Phase 2.000°/ 0.00°

1:	2.000 GHz	2.47°
2:	4.241 GHz	3.05°
3:	5.625 GHz	2.53°
4:	7.210 GHz	1.73°
5:	8.000 GHz	1.29°

Ch1: Start 1.90000 GHz Stop 8.10000 GHz

Tr 3 S12 LogM 1.000dB/ -8.40dB

1:	2.000 GHz	-8.172 dB
2:	4.241 GHz	-8.314 dB
3:	5.625 GHz	-8.380 dB
4:	7.210 GHz	-8.495 dB
5:	8.000 GHz	-8.564 dB

Ch1: Start 1.90000 GHz Stop 8.10000 GHz

Tr 4 S22 SWR 0.100U/ 1.00U

1:	2.000 GHz	1.164
2:	4.241 GHz	1.074
3:	5.625 GHz	1.044
4:	7.210 GHz	1.045
5:	8.000 GHz	1.229

Ch1: Start 1.90000 GHz Stop 8.10000 GHz

Tr 2 Ch 1 IntTrig Swp BW=3k C 2-Port SrcCal Sim Pulse

Svc RFO n UpdateOn IntRef no messages

LCL 2023/07/28-15:46

File Instrument Response Stimulus Utility Help

Marker 5 8 GHz

Tr 1 S11 SWR 0.100U/ 1.00U

Point	Frequency (GHz)	SWR
1	2.000	1.262
2	4.241	1.243
3	5.625	1.225
4	7.210	1.223
5	8.000	1.139

Tr 2 S21/M Phase 2.000°/ 0.00°

Point	Frequency (GHz)	Phase (m°)
1	2.000	309.25
2	4.241	580.26
3	5.625	699.42
4	7.210	348.71
5	8.000	429.68

Tr 3 S12 LogM 1.000dB/ -8.40dB

Point	Frequency (GHz)	LogM (dB)
1	2.000	-8.153
2	4.241	-8.301
3	5.625	-8.382
4	7.210	-8.462
5	8.000	-8.452

Tr 4 S22 SWR 0.100U/ 1.00U

Point	Frequency (GHz)	SWR
1	2.000	1.047
2	4.241	1.031
3	5.625	1.054
4	7.210	1.143
5	8.000	1.143

Tr 2 Ch 1 IntTrig Swp BW=3k C 2-Port SrcCal Sim Pulse

Svc RFOOn UpdateOn IntRef no messages

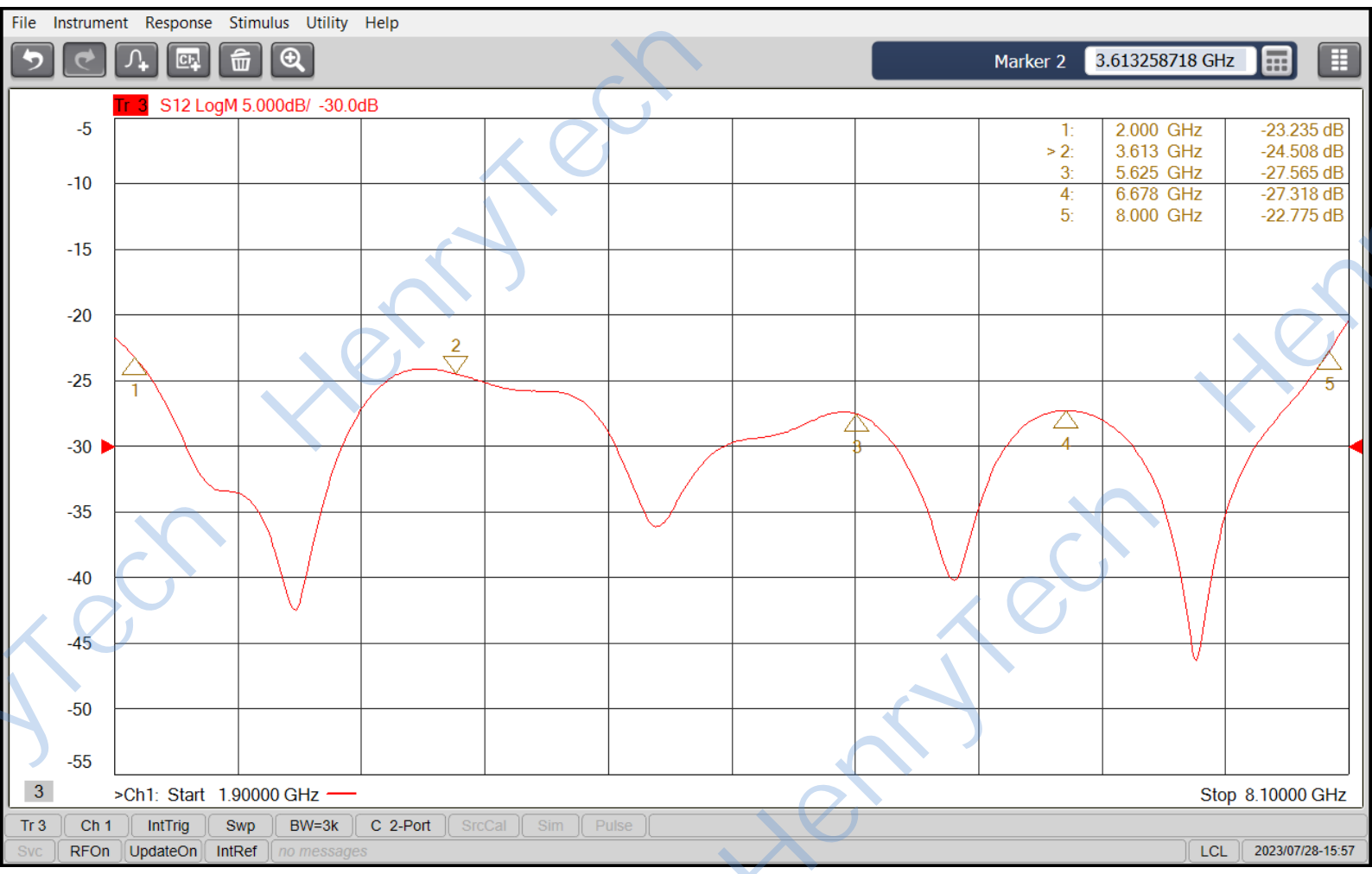
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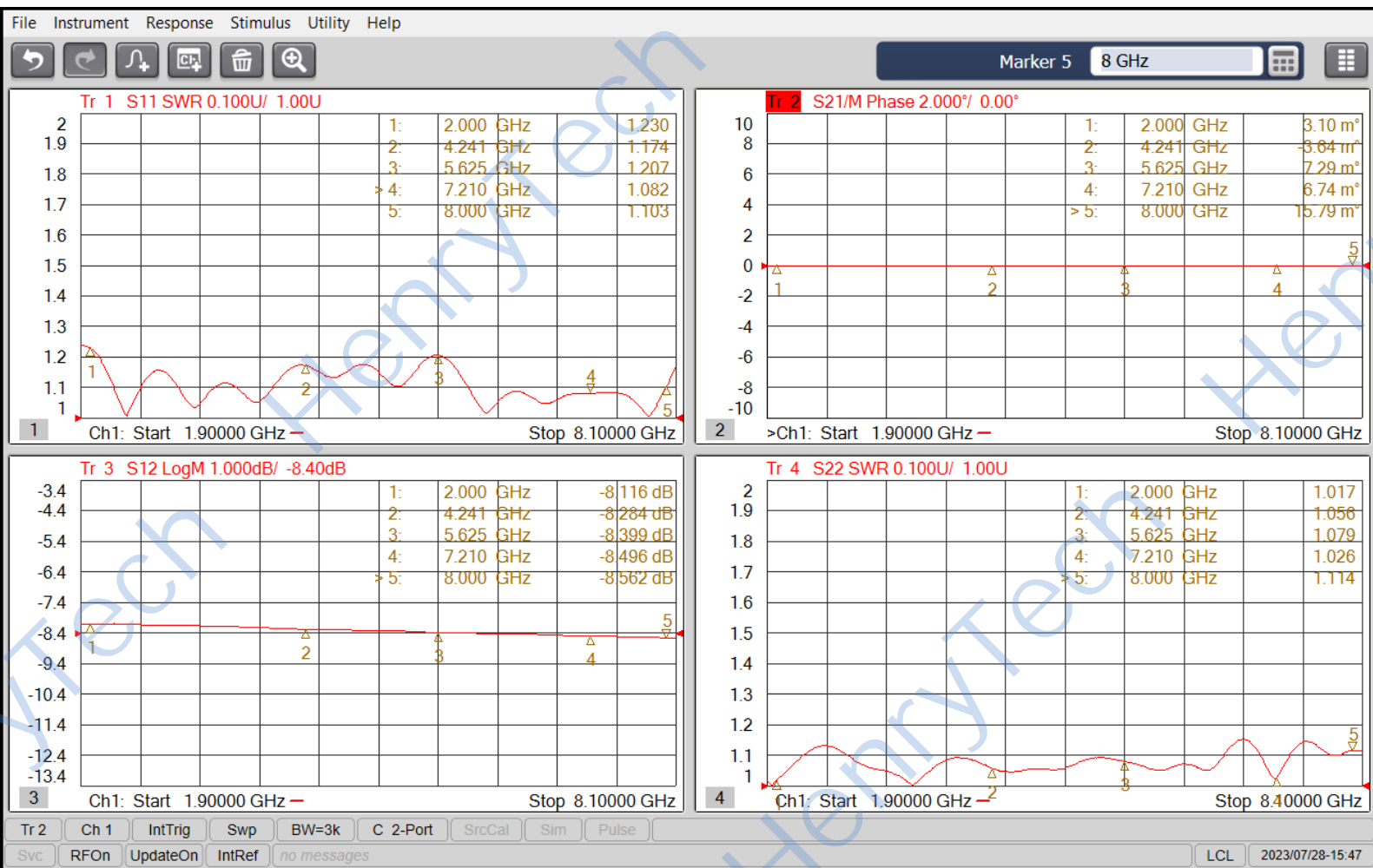
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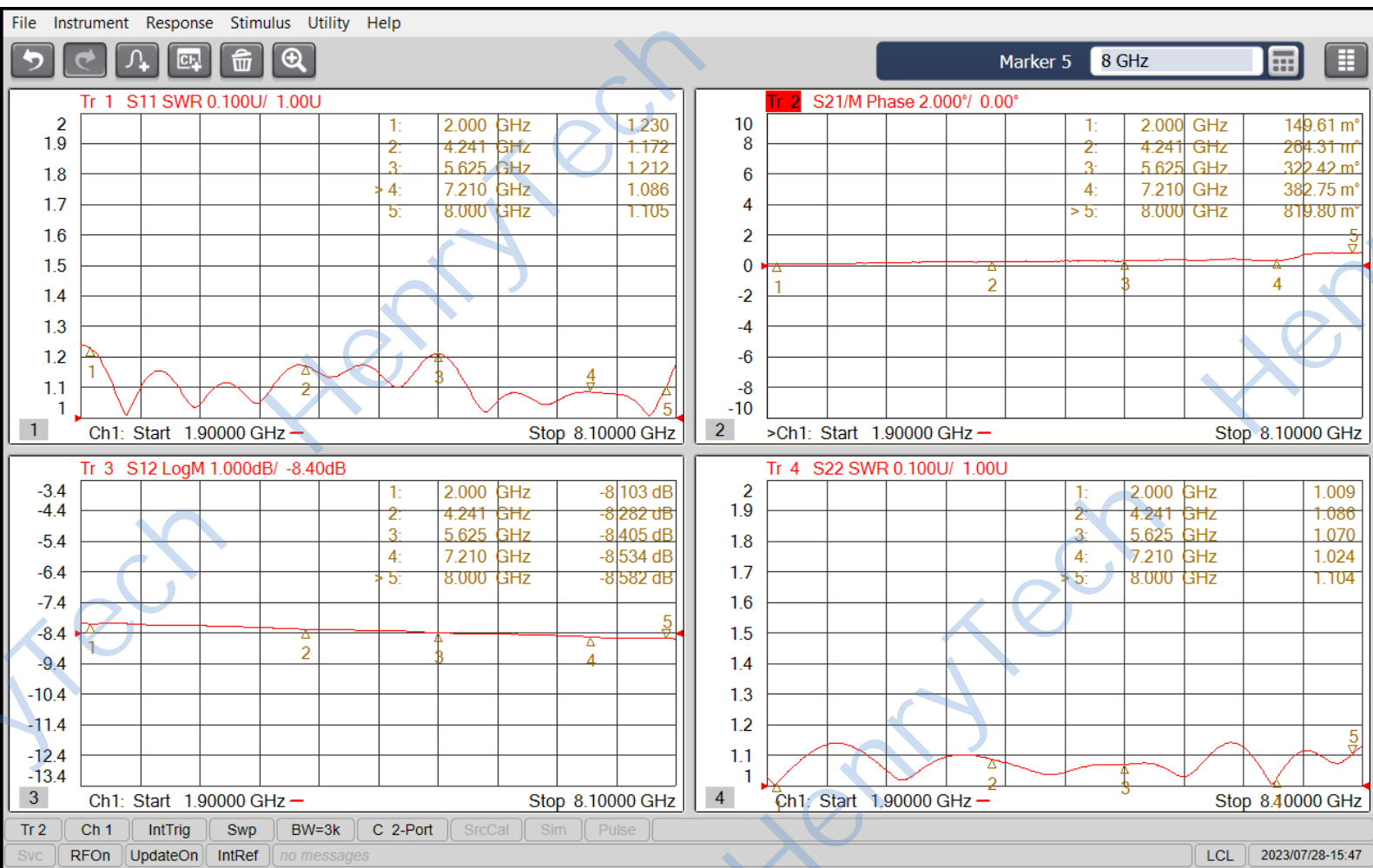
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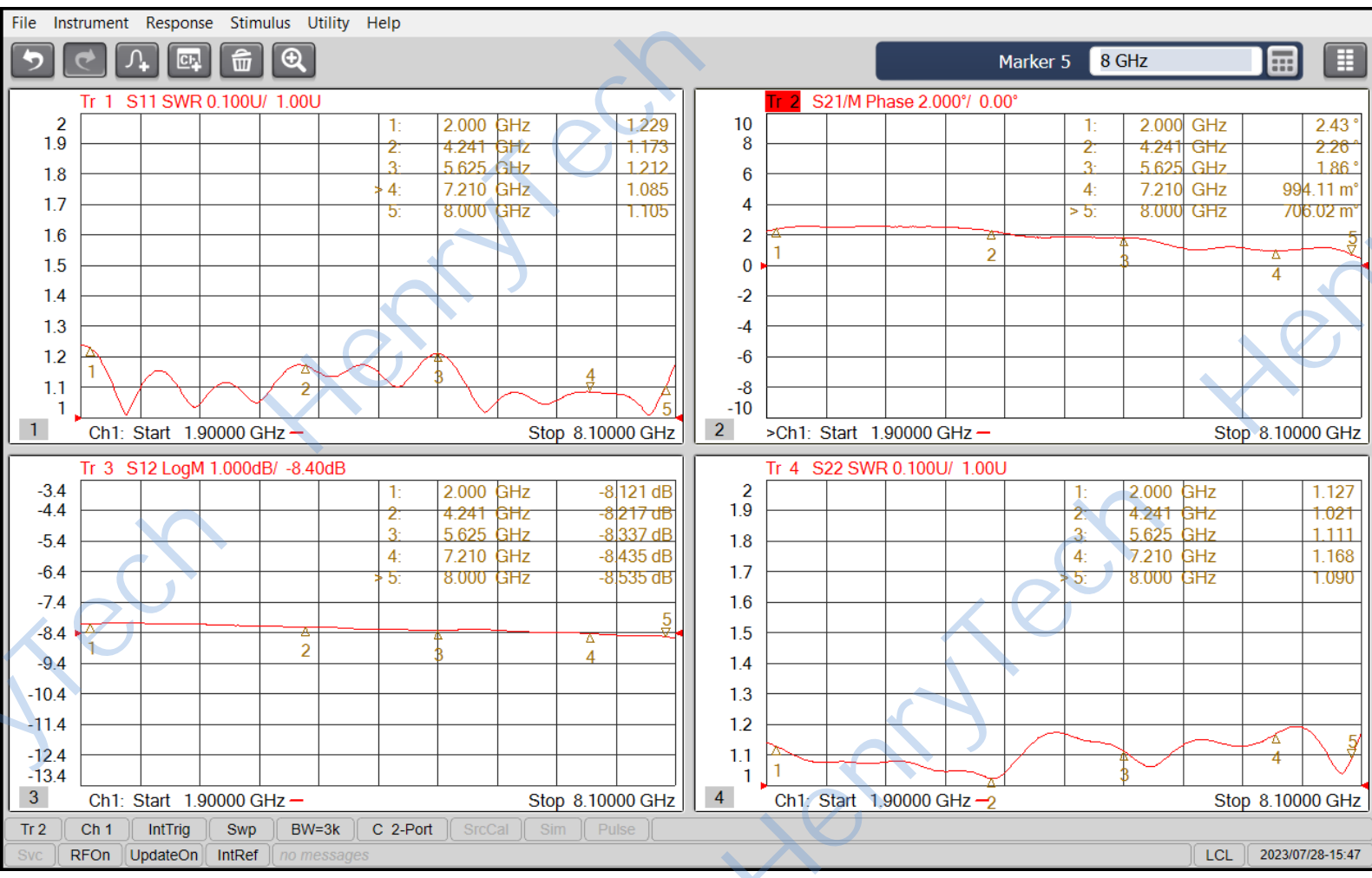
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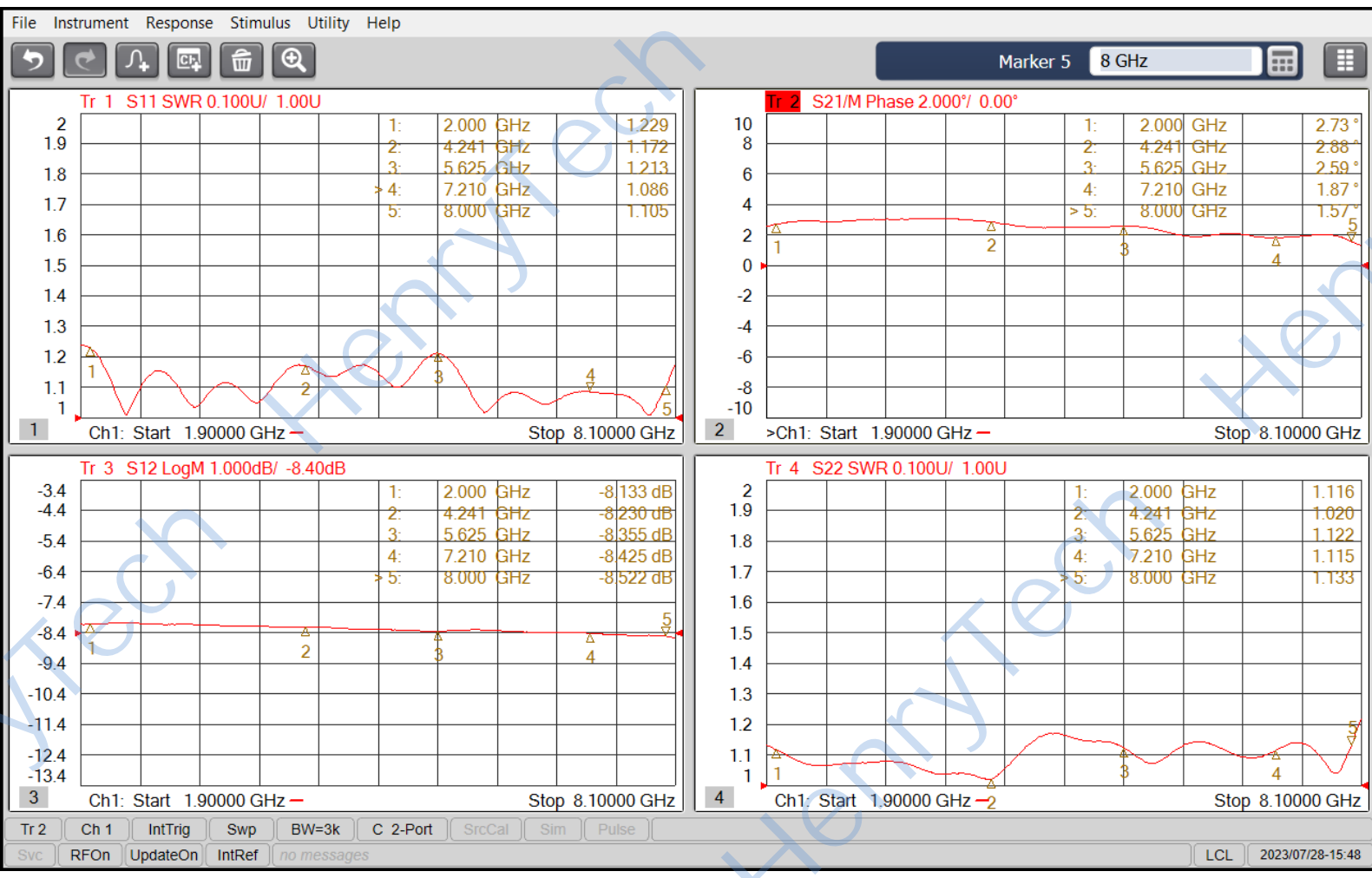
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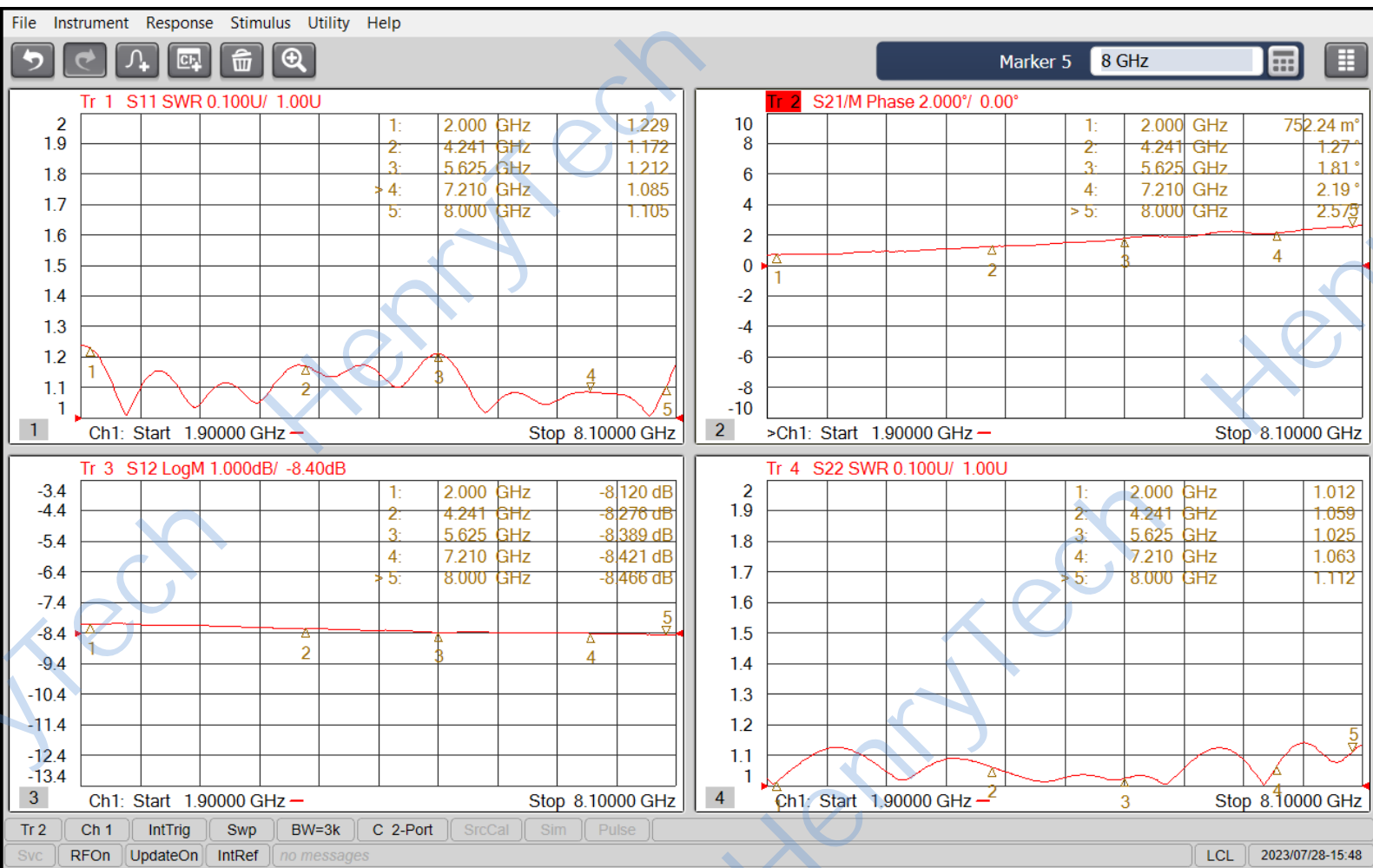
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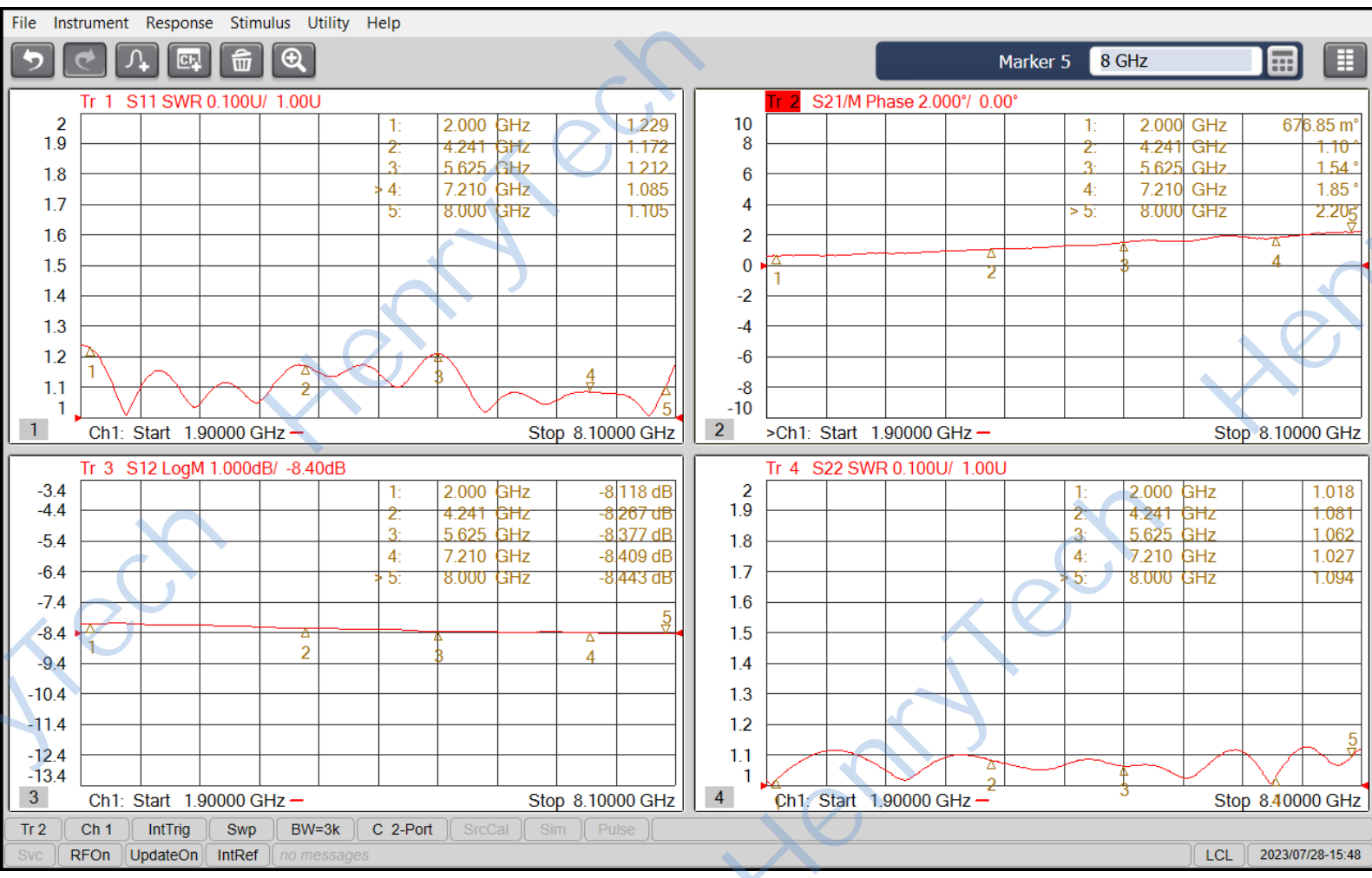
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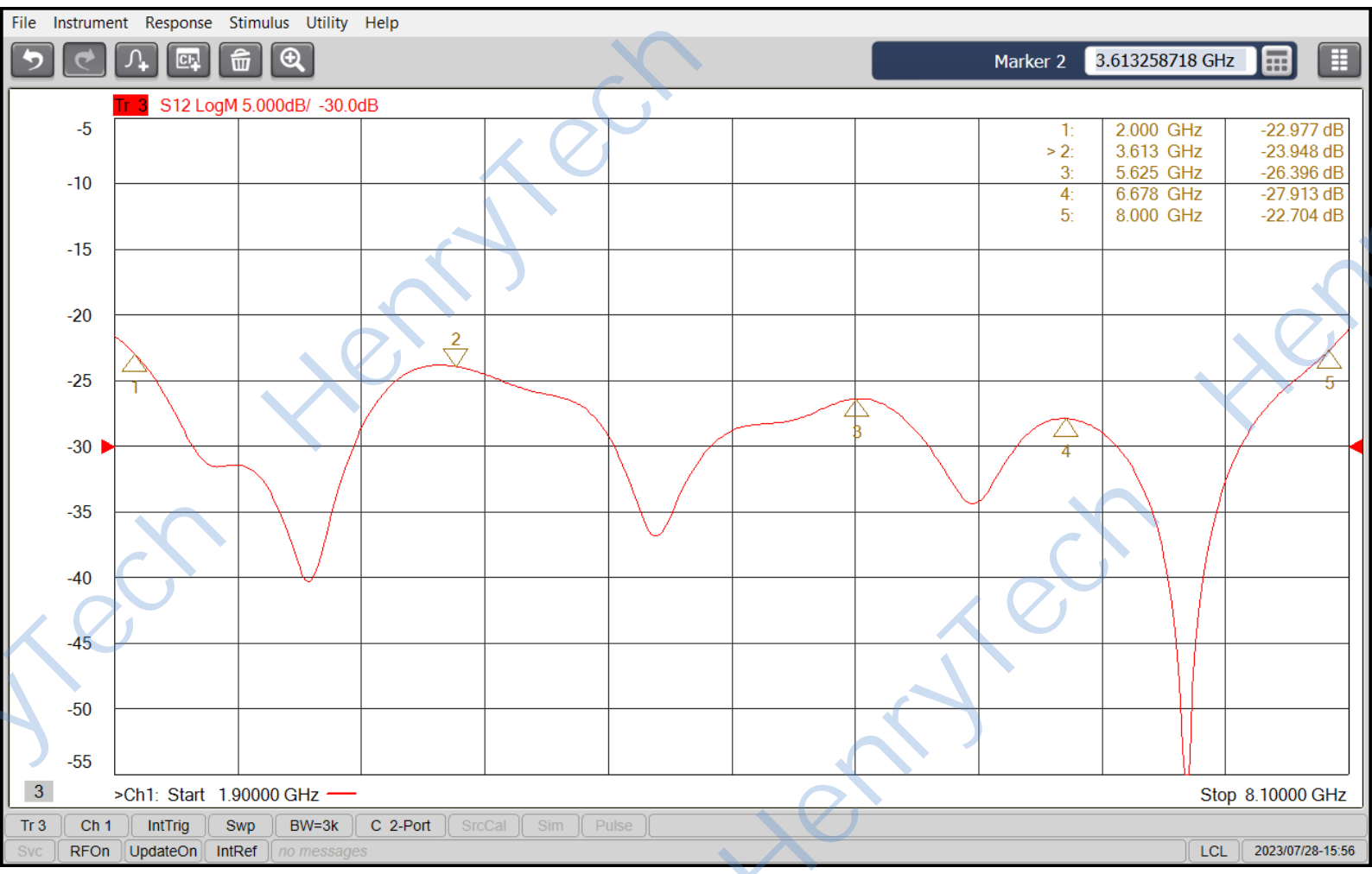
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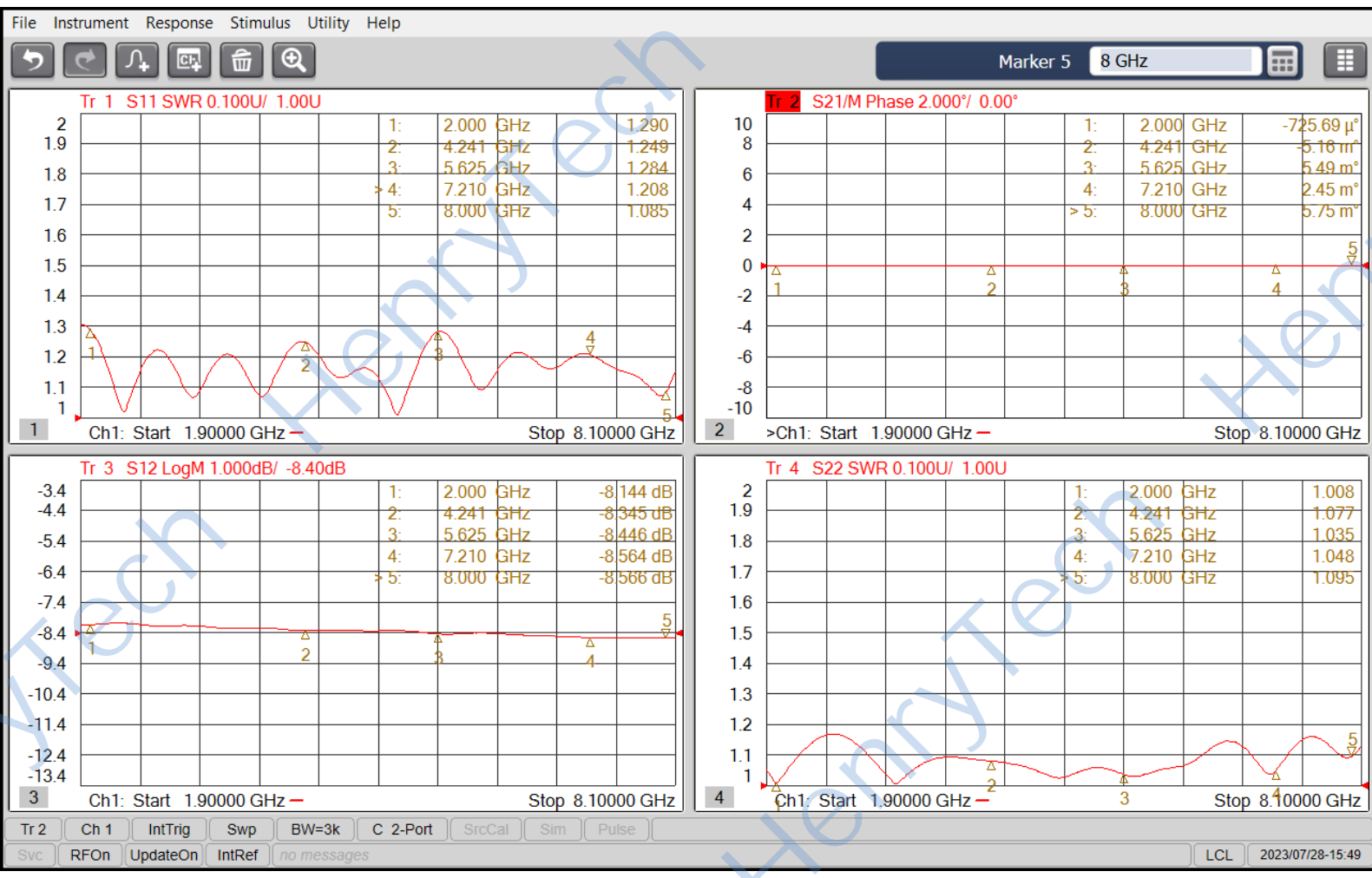
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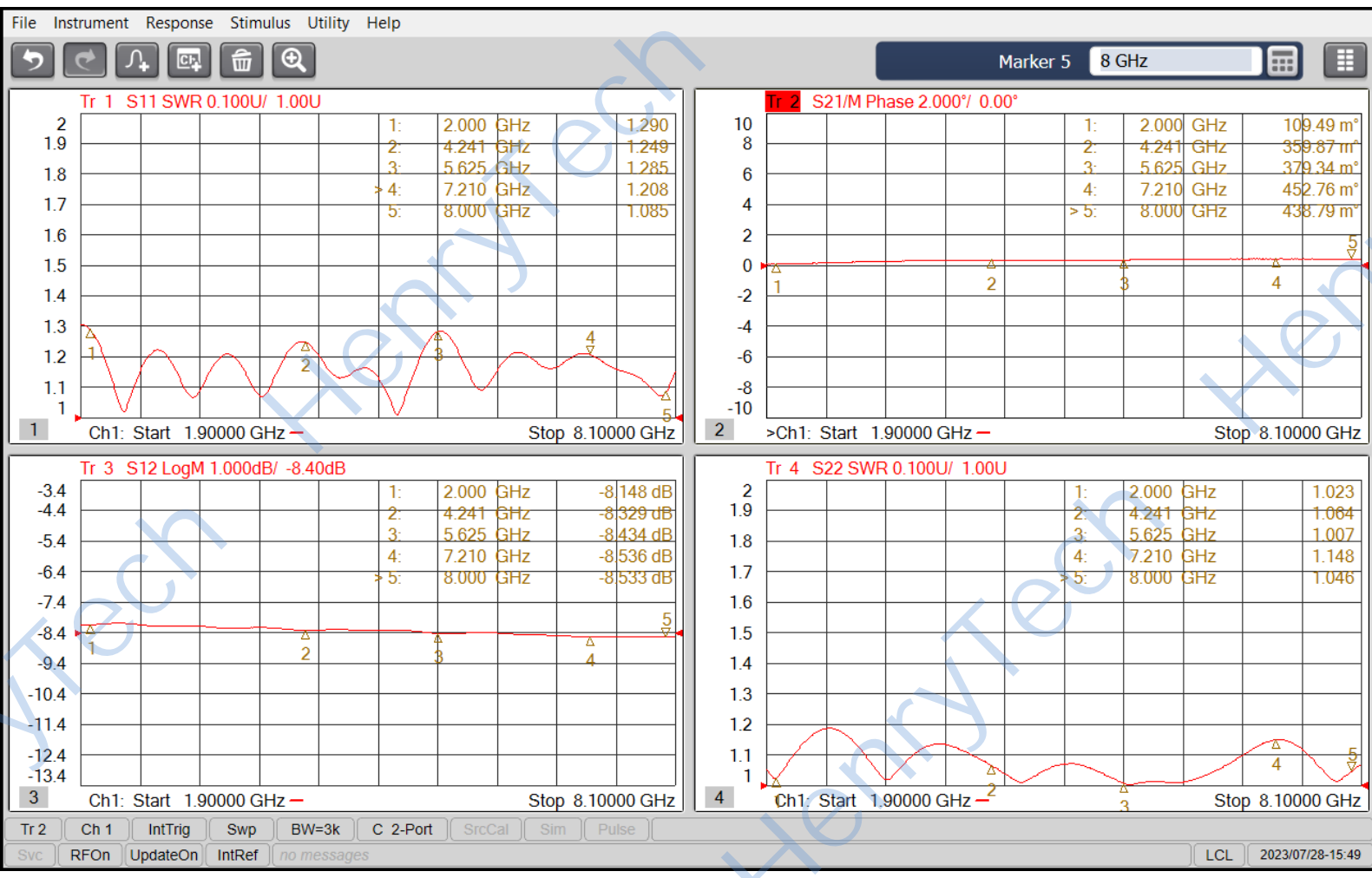
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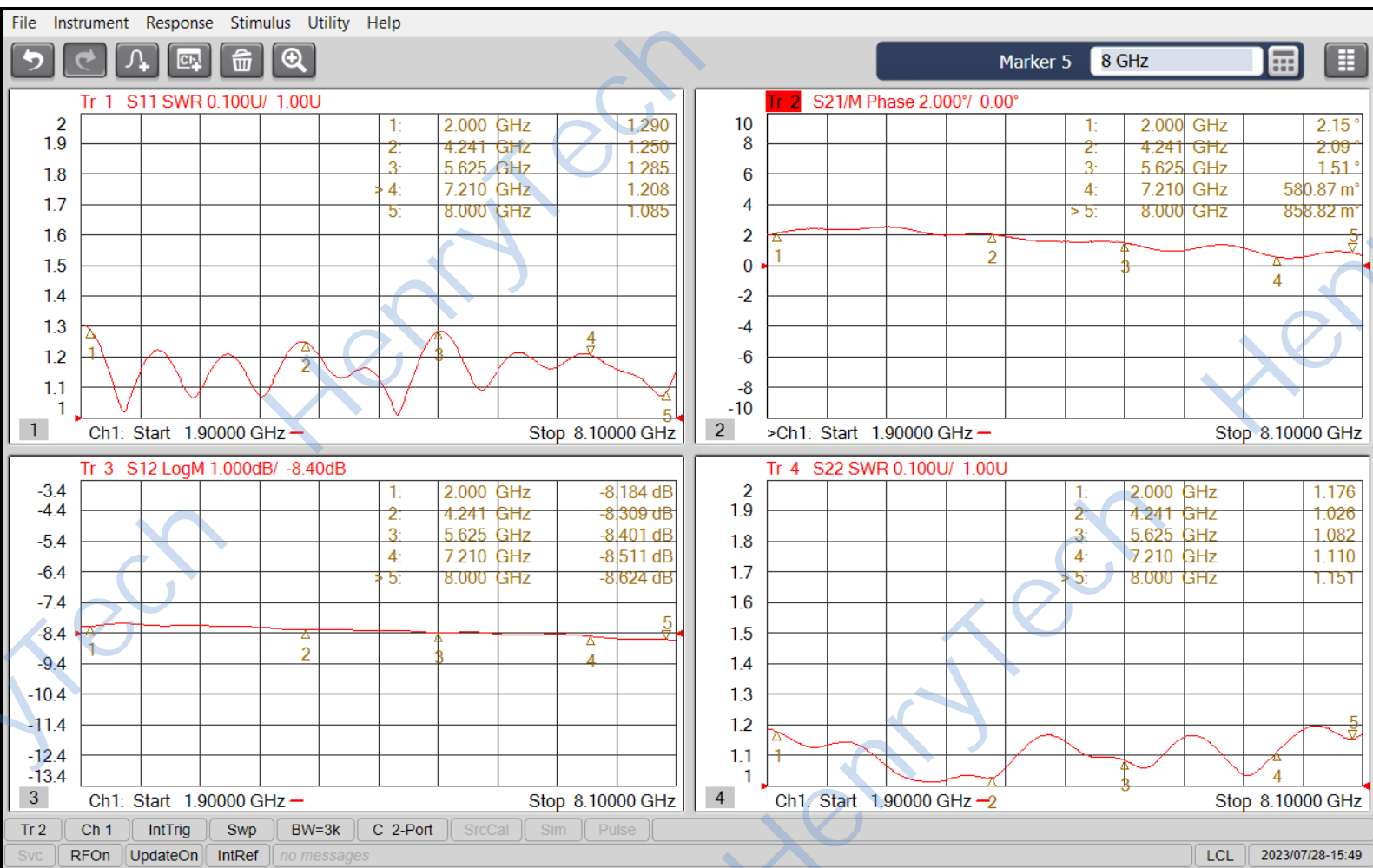
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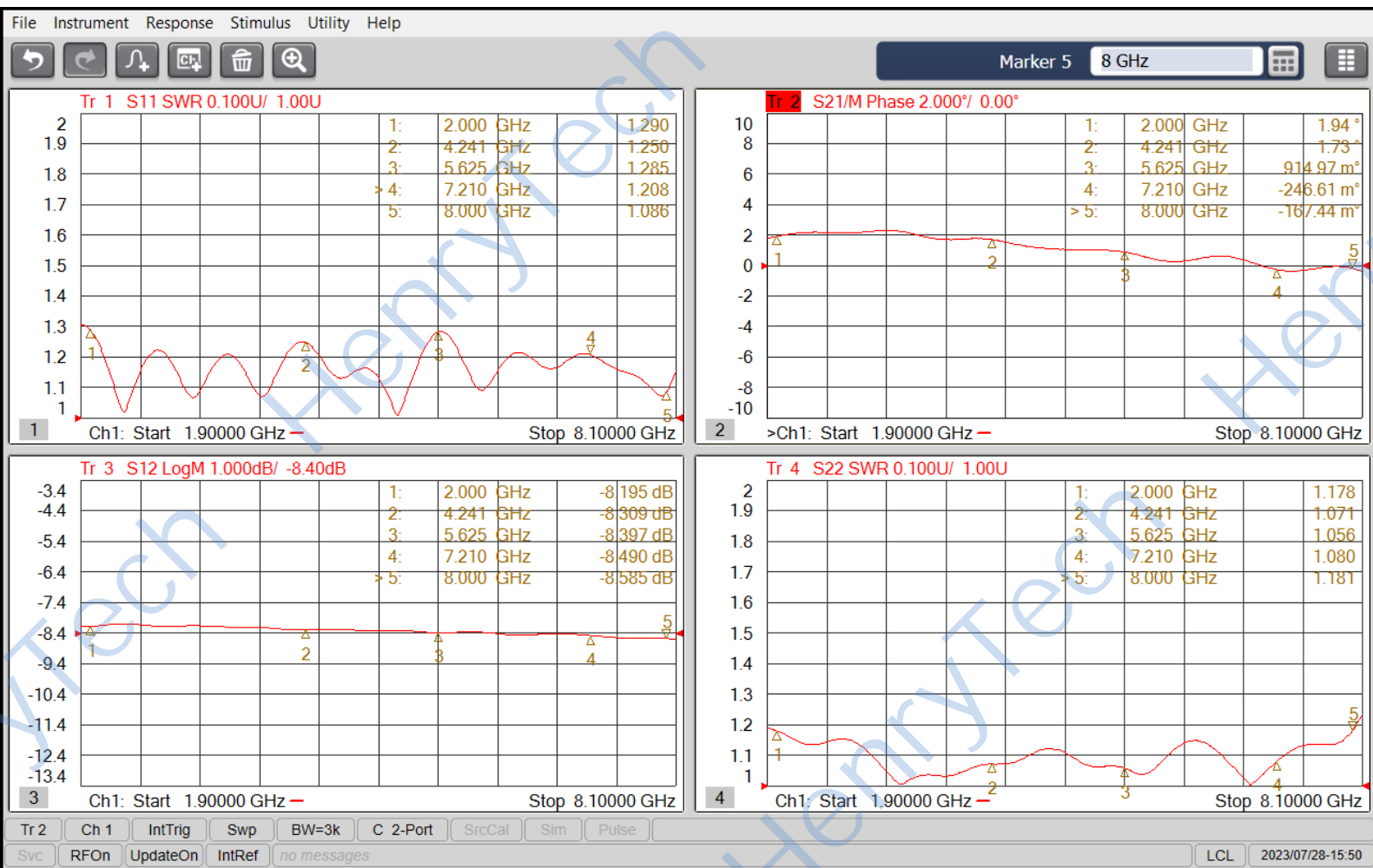


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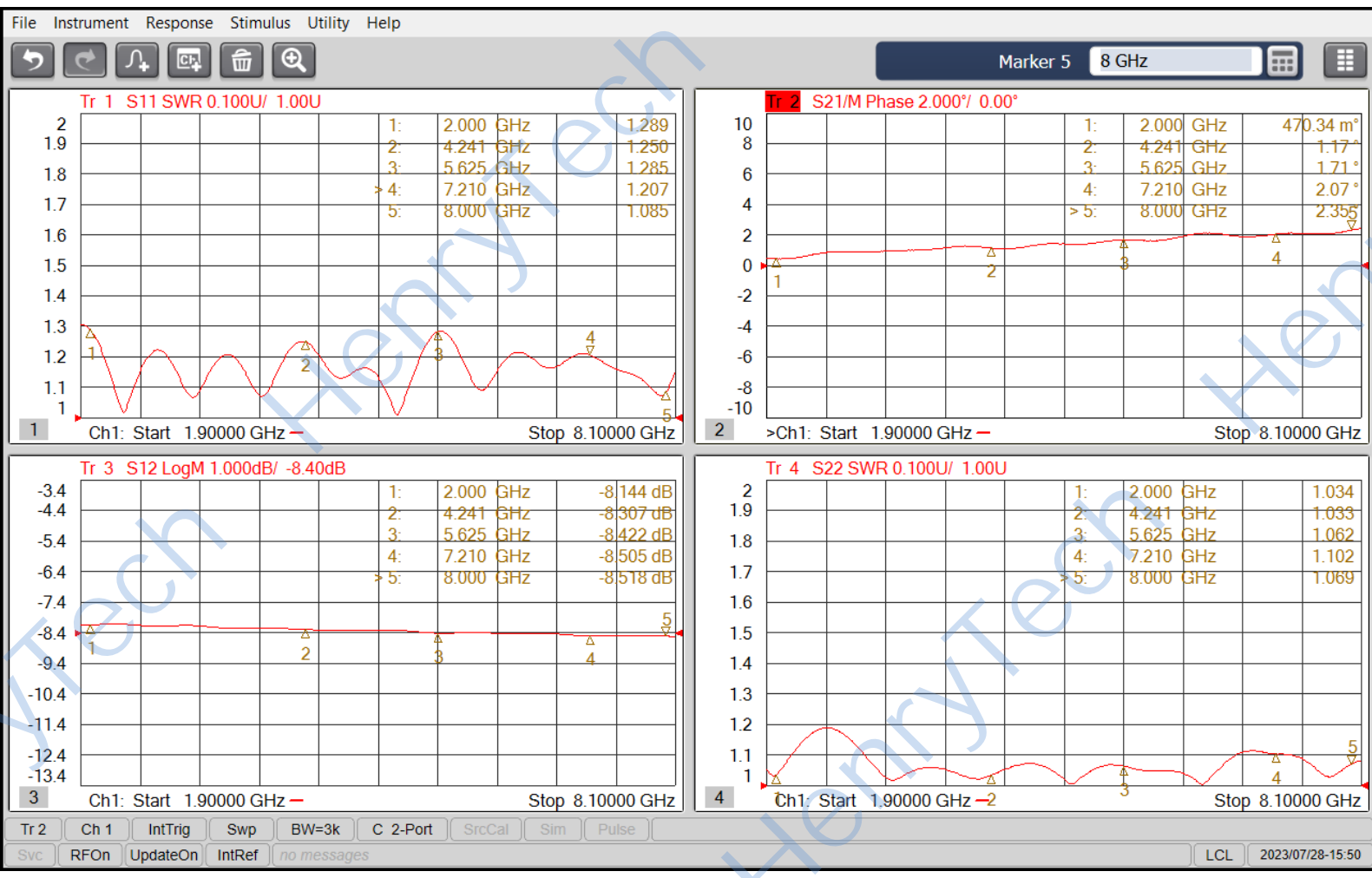


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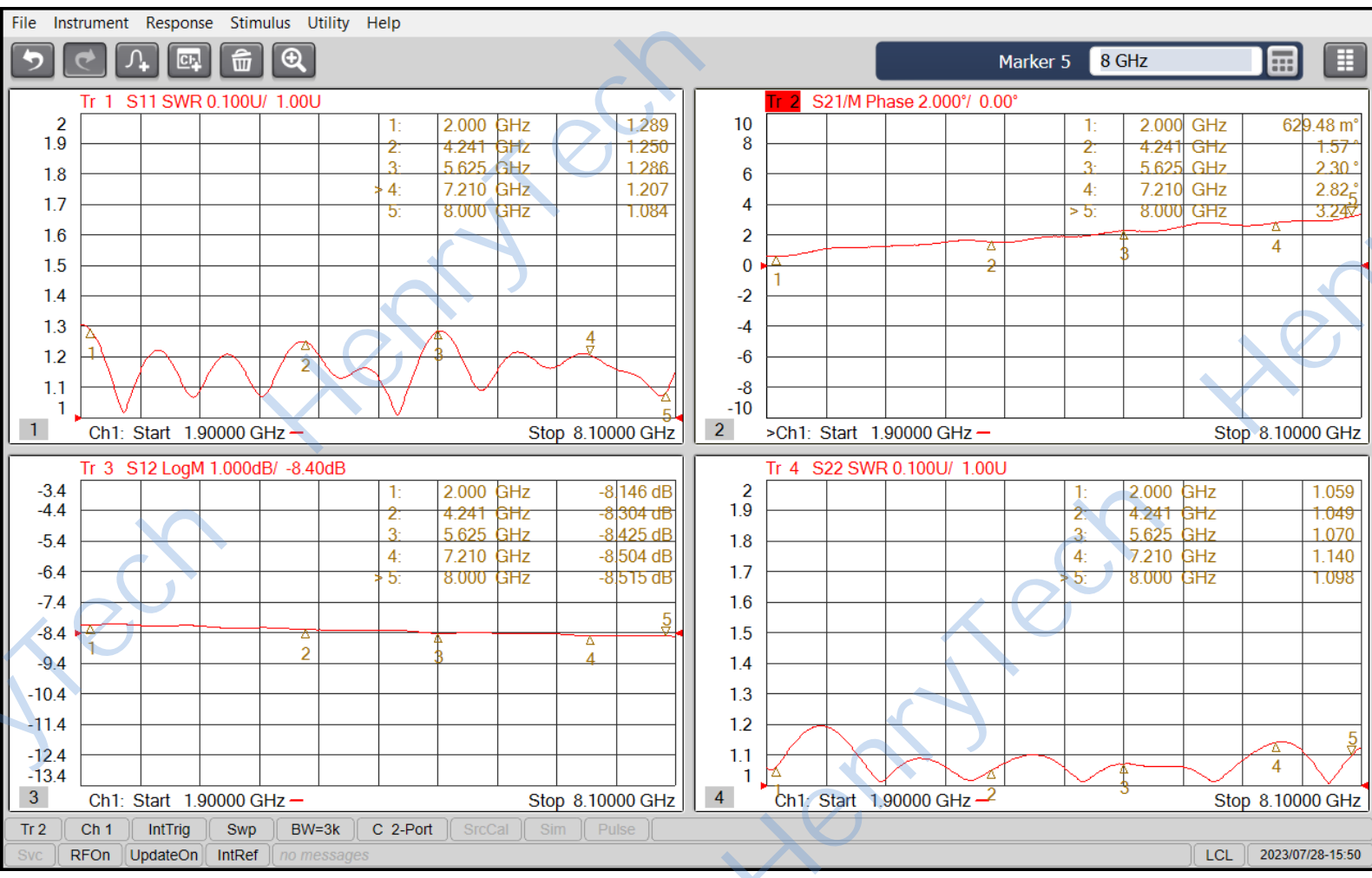
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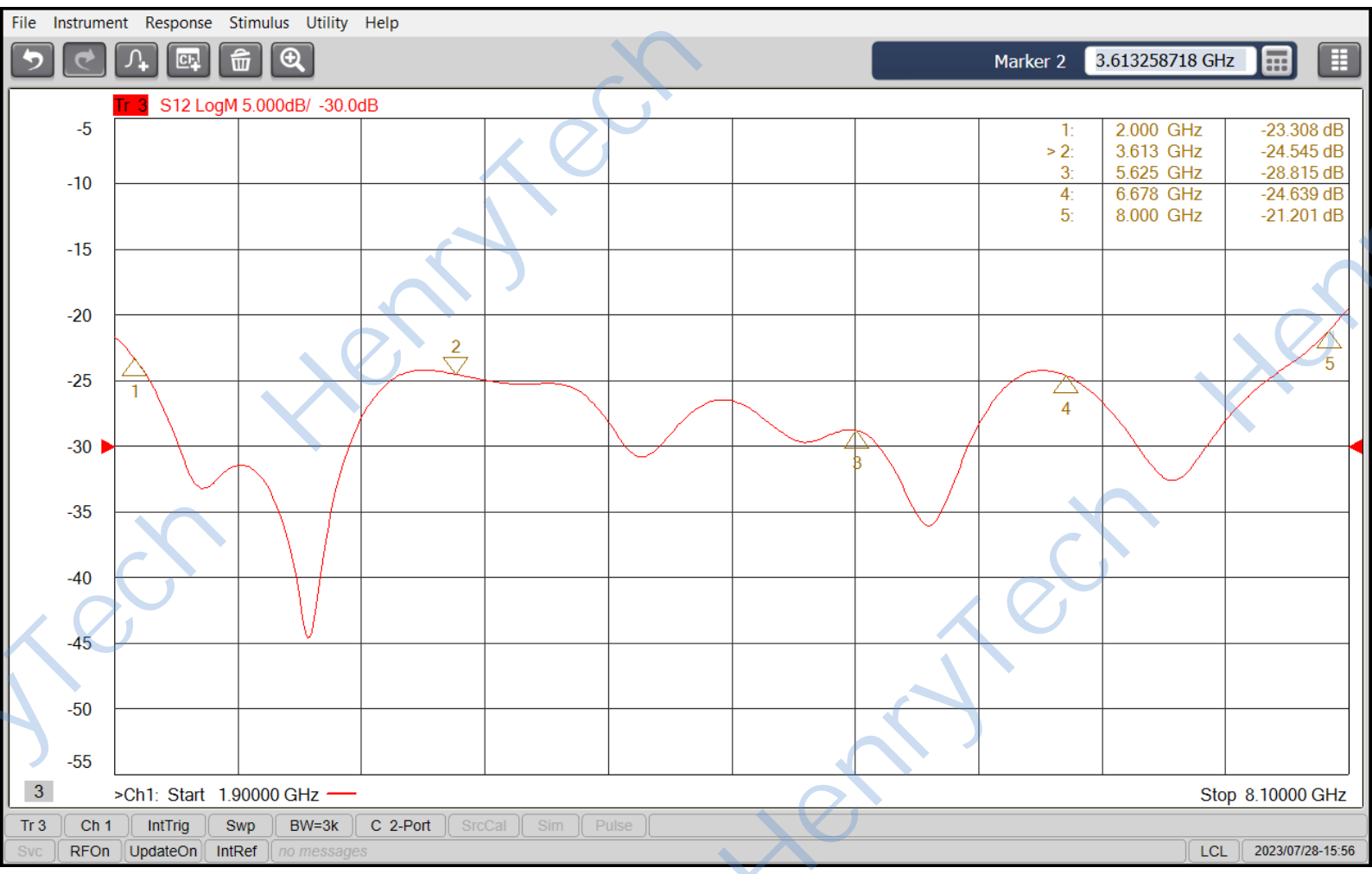
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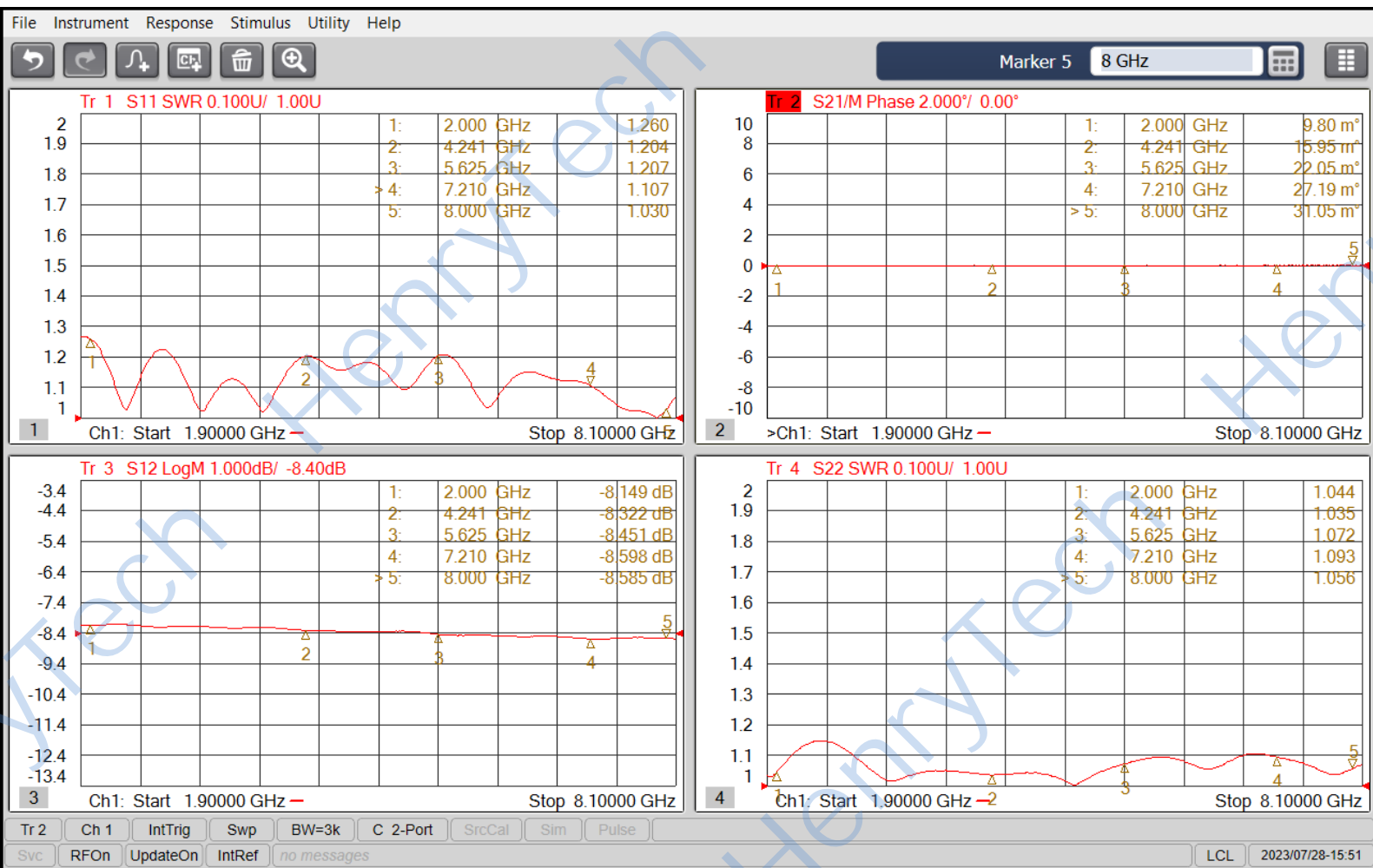
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File Instrument Response Stimulus Utility Help

Marker 5 8 GHz

Tr 1 S11 SWR 0.100U/ 1.00U

1:	2.000 GHz	1.260
2:	4.241 GHz	1.204
3:	5.625 GHz	1.208
>4:	7.210 GHz	1.107
5:	8.000 GHz	1.030

Ch1: Start 1.90000 GHz — Stop 8.10000 GHz

Tr 2 S21/M Phase 2.000°/ 0.00°

1:	2.000 GHz	-99.61 m°
2:	4.241 GHz	-126.62 m°
3:	5.625 GHz	-139.14 m°
4:	7.210 GHz	-21.70 m°
>5:	8.000 GHz	85.44 m°

>Ch1: Start 1.90000 GHz — Stop 8.10000 GHz

Tr 3 S12 LogM 1.000dB/ -8.40dB

1:	2.000 GHz	-8.160 dB
2:	4.241 GHz	-8.327 dB
3:	5.625 GHz	-8.460 dB
4:	7.210 GHz	-8.606 dB
>5:	8.000 GHz	-8.597 dB

Ch1: Start 1.90000 GHz — Stop 8.10000 GHz

Tr 4 S22 SWR 0.100U/ 1.00U

1:	2.000 GHz	1.044
2:	4.241 GHz	1.038
3:	5.625 GHz	1.043
4:	7.210 GHz	1.093
>5:	8.000 GHz	1.052

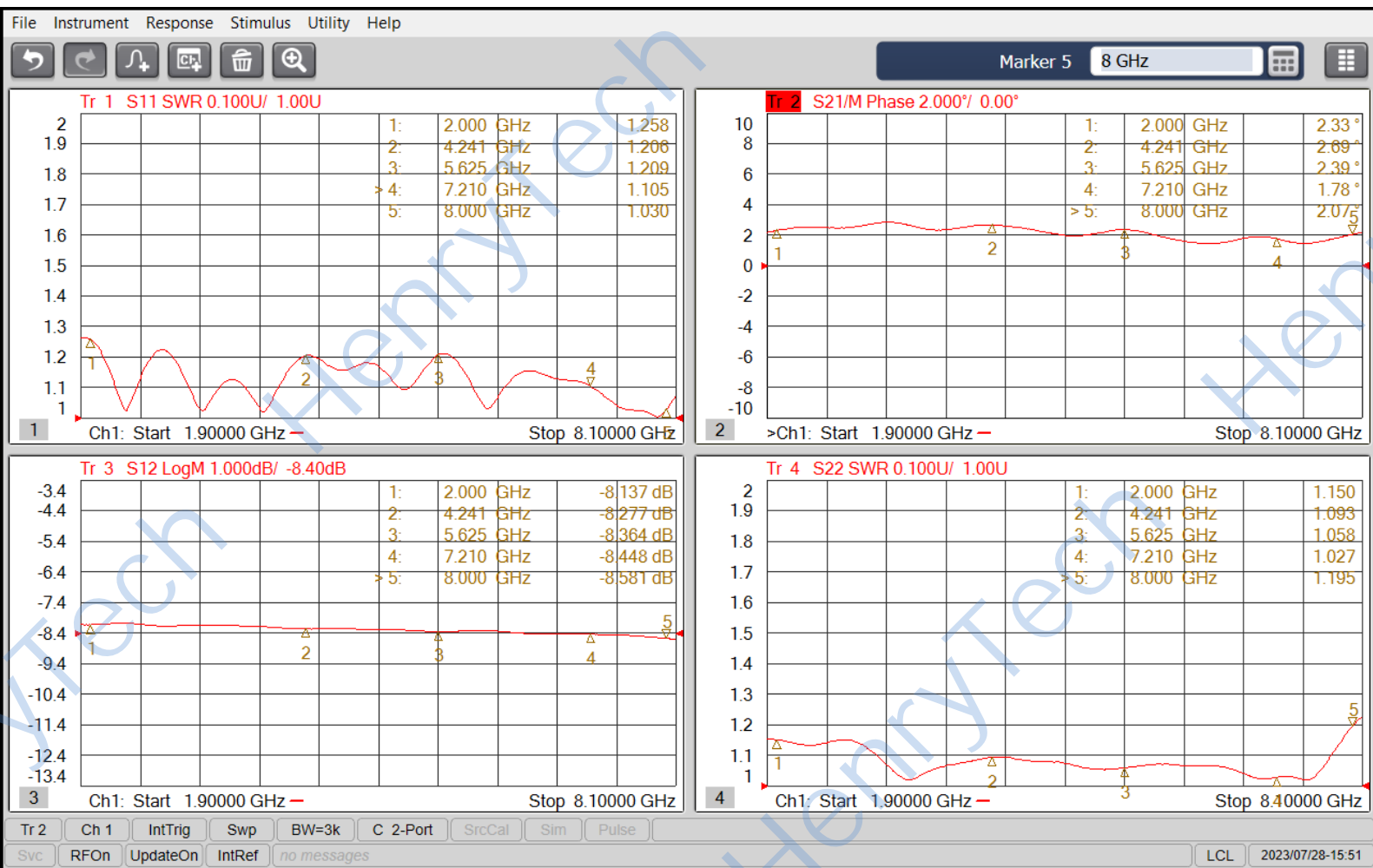
Ch1: Start 1.90000 GHz — Stop 8.10000 GHz

Tr2 Ch1 IntTrig Swp BW=3k C 2-Port SrcCal Sim Pulse

Svc RFOOn UpdateOn IntRef no messages

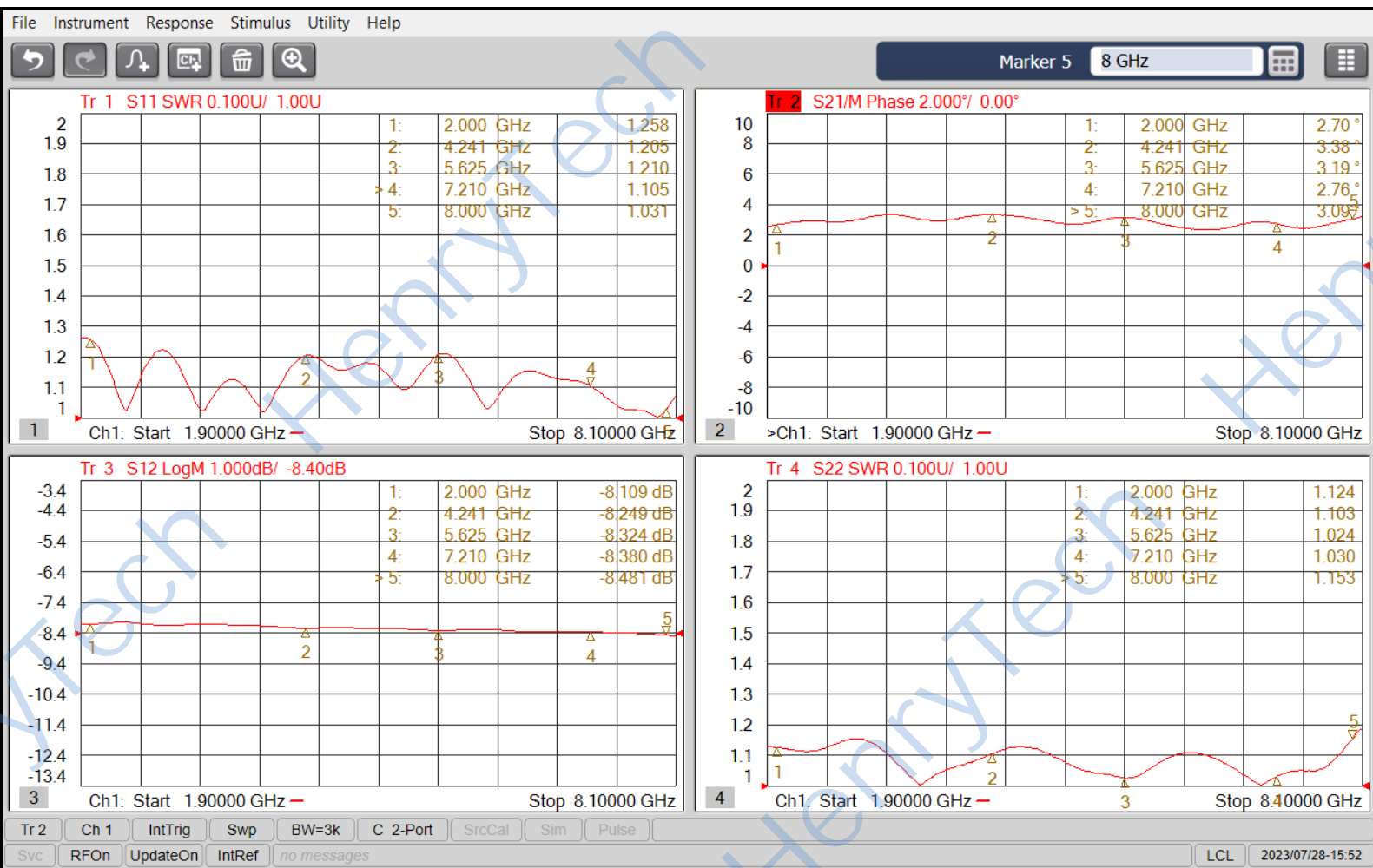
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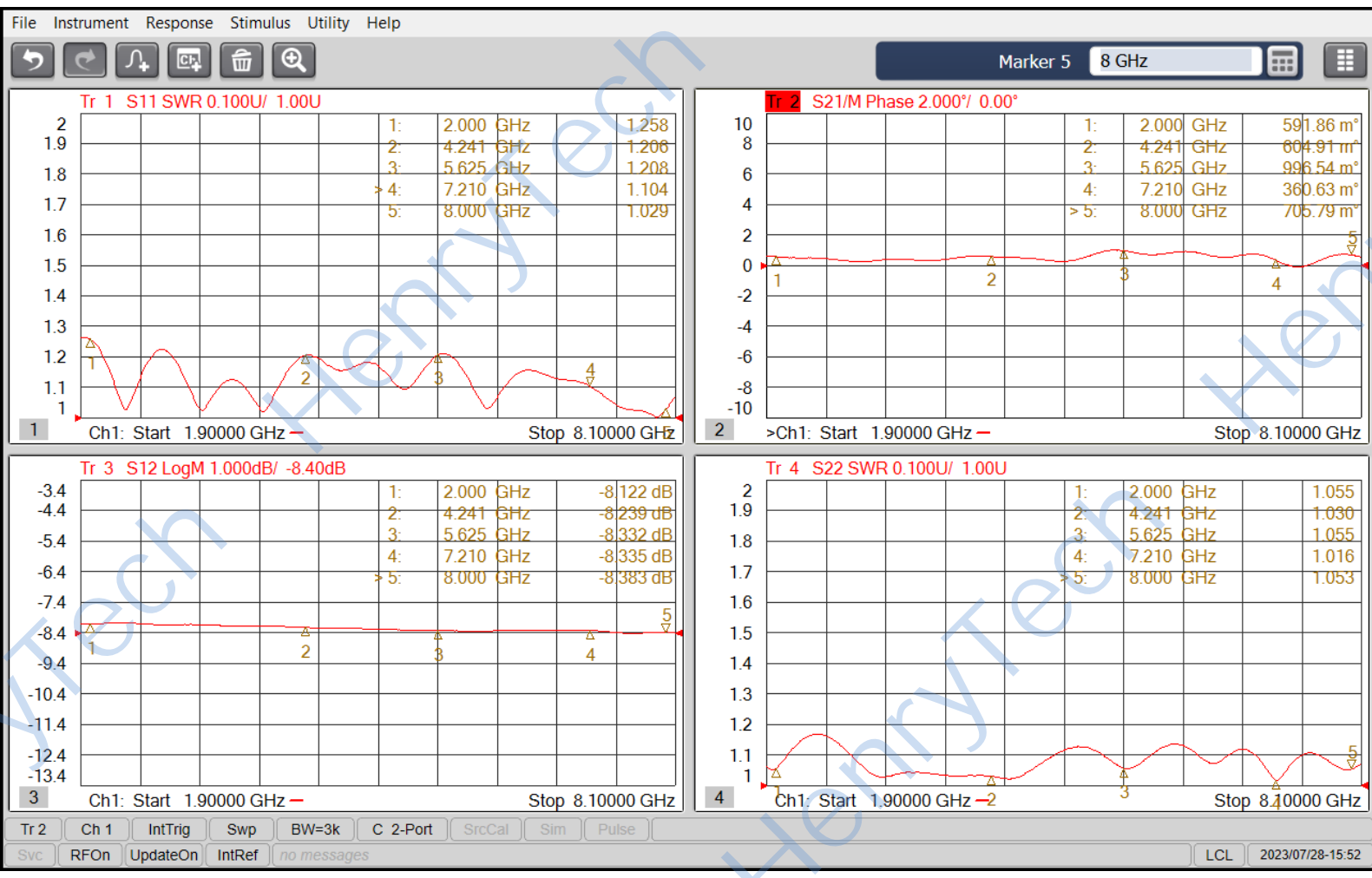
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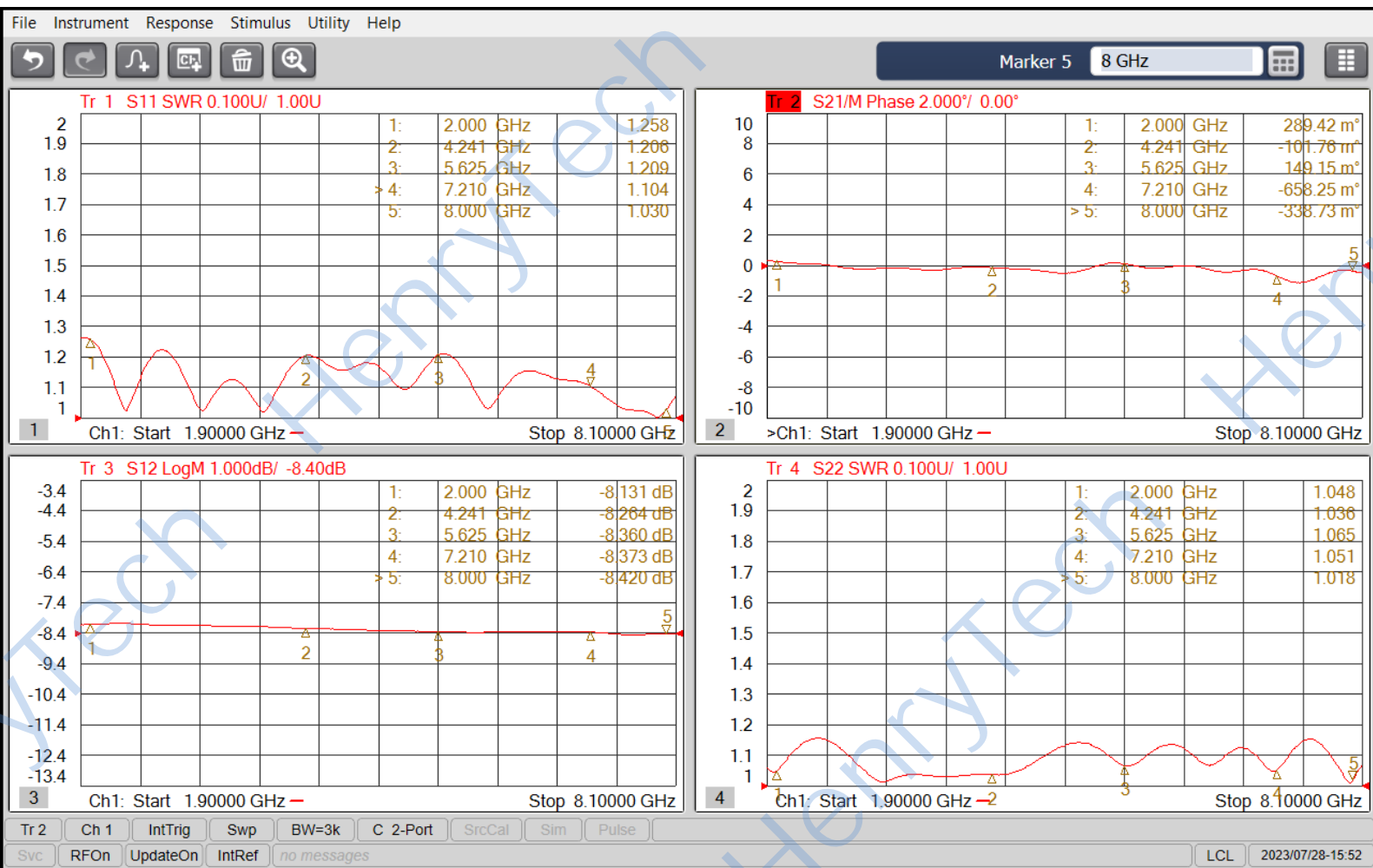
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Tr 2 Ch 1 IntTrig Swp BW=3k C 2-Port SrcCal Sim Pulse
Svc RFO n UpdateOn IntRef no messages LCL 2023/07/28-15:52

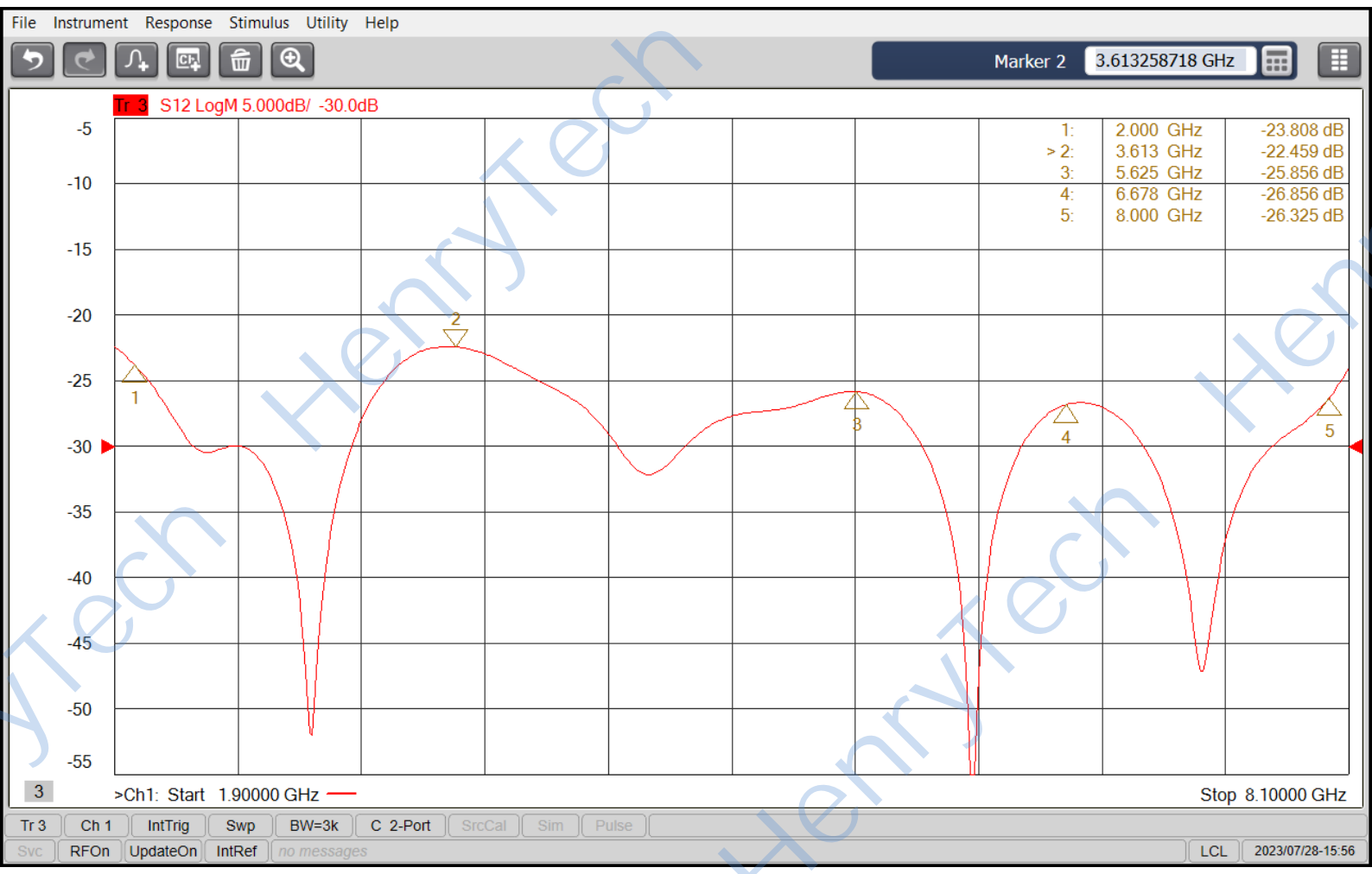
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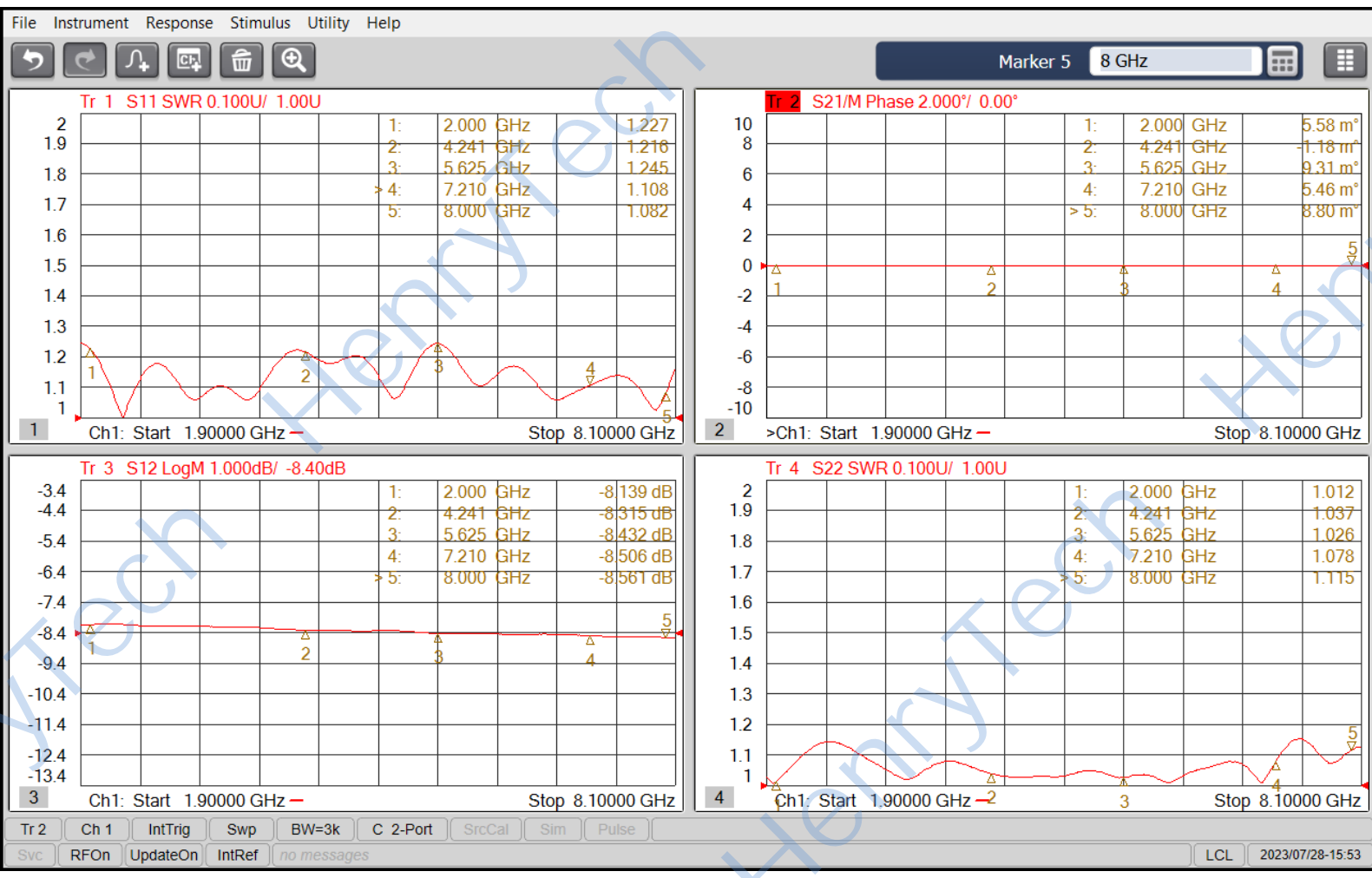
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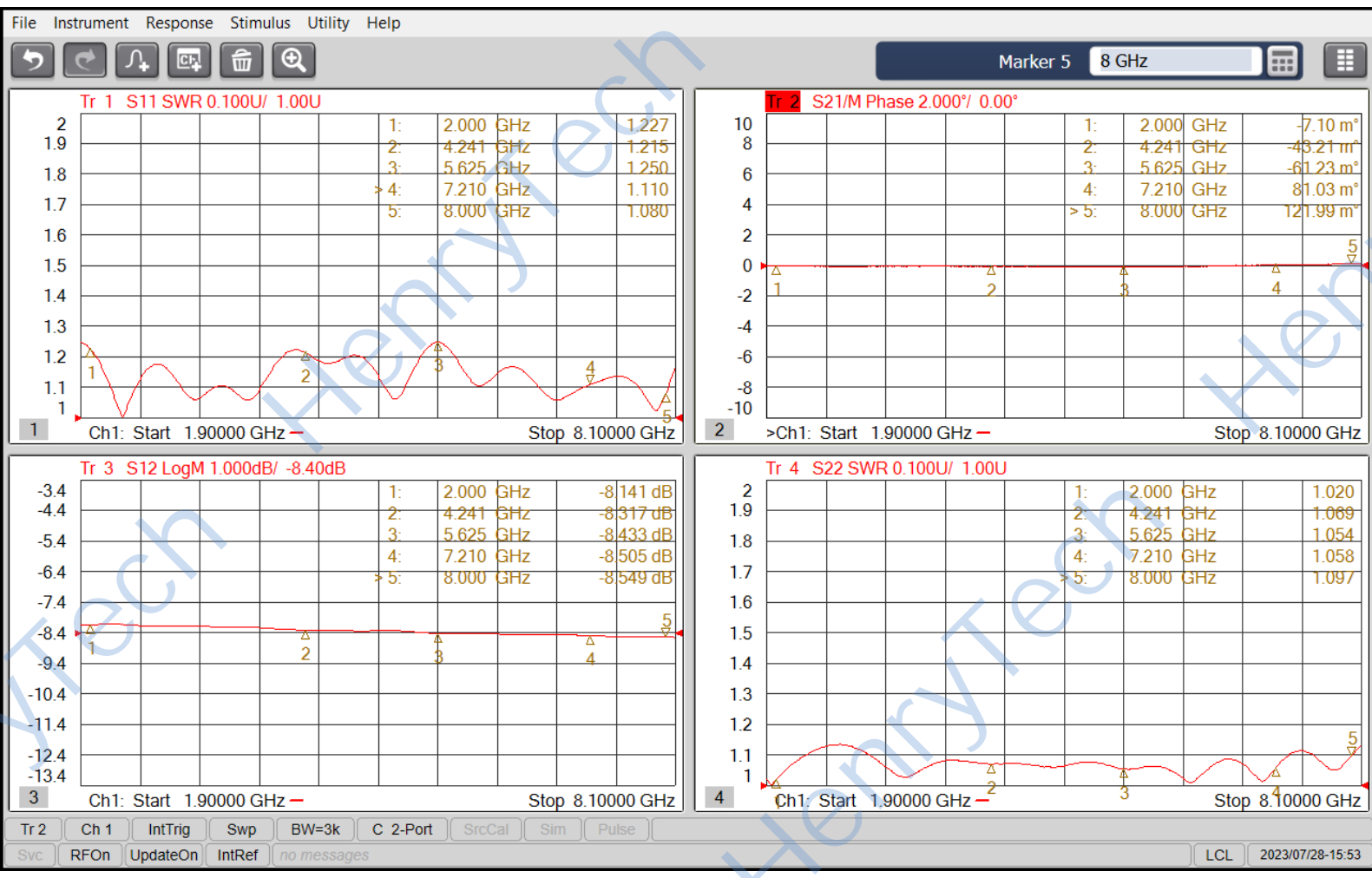
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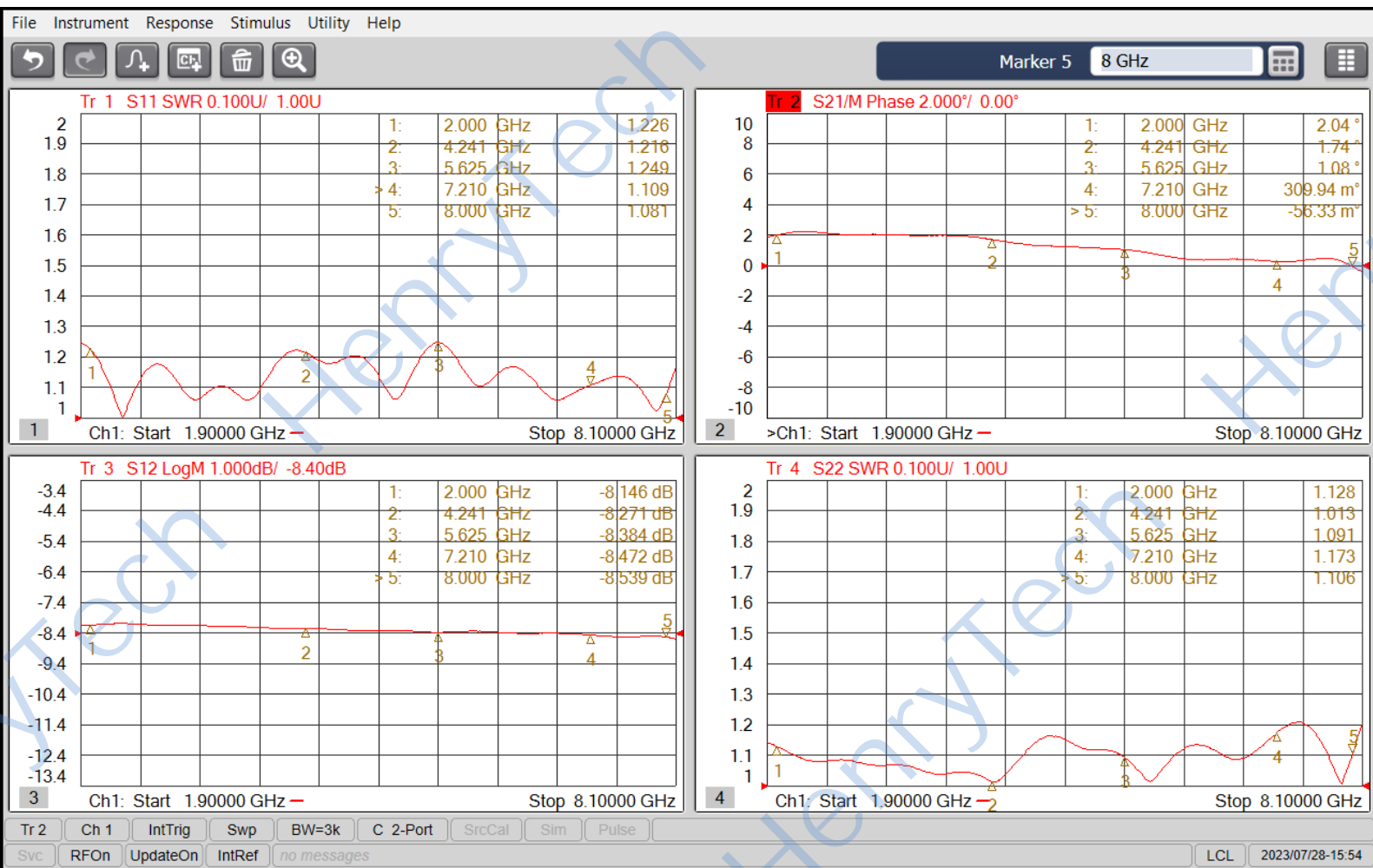
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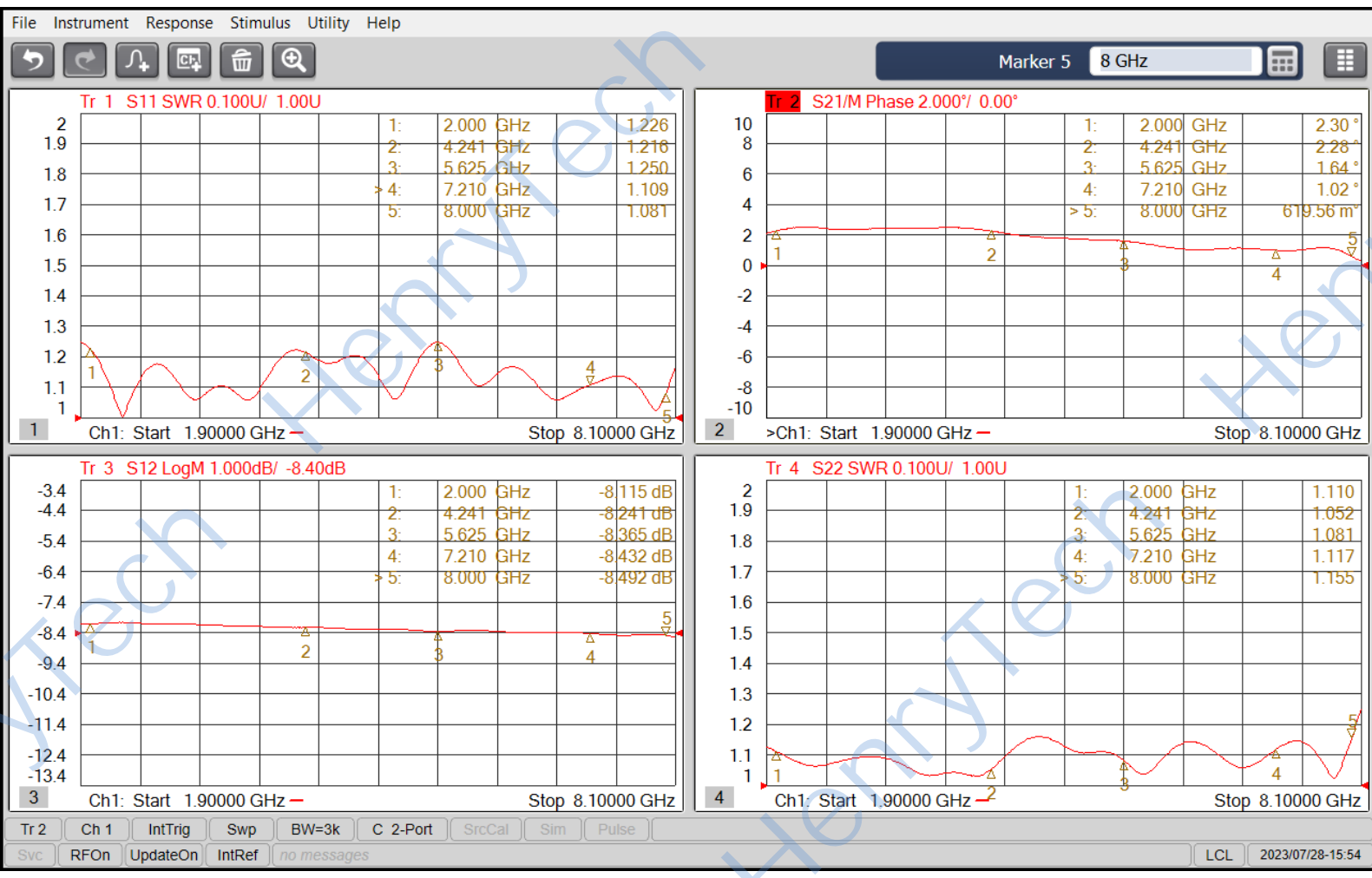
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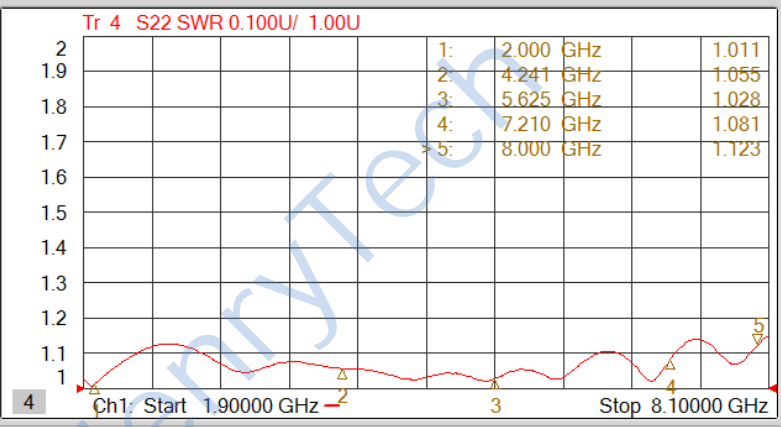
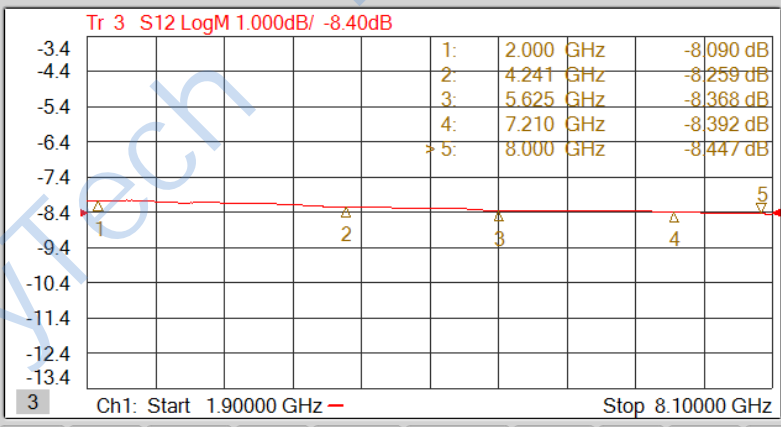
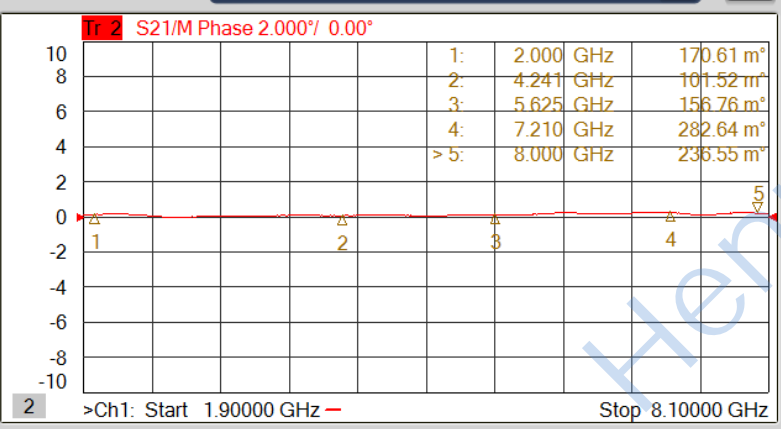
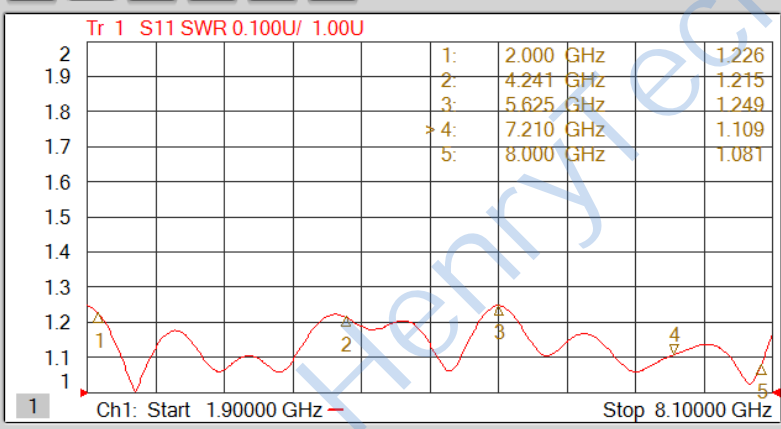


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File Instrument Response Stimulus Utility Help

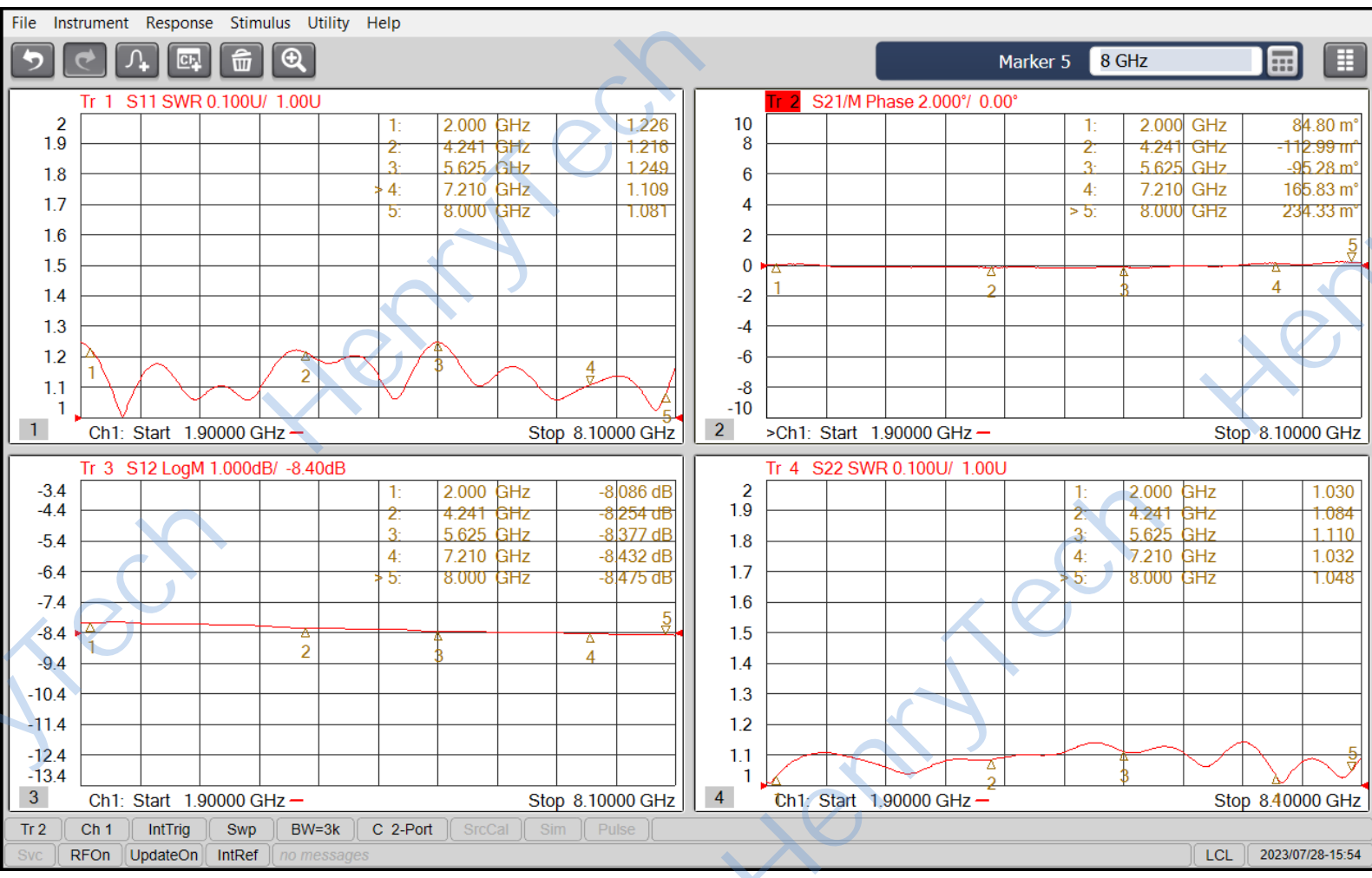
Marker 5 8 GHz



Tr 2 Ch 1 IntTrig Swp BW=3k C 2-Port SrcCal Sim Pulse
 Svc RFOOn UpdateOn IntRef no messages LCL 2023/07/28-15:54

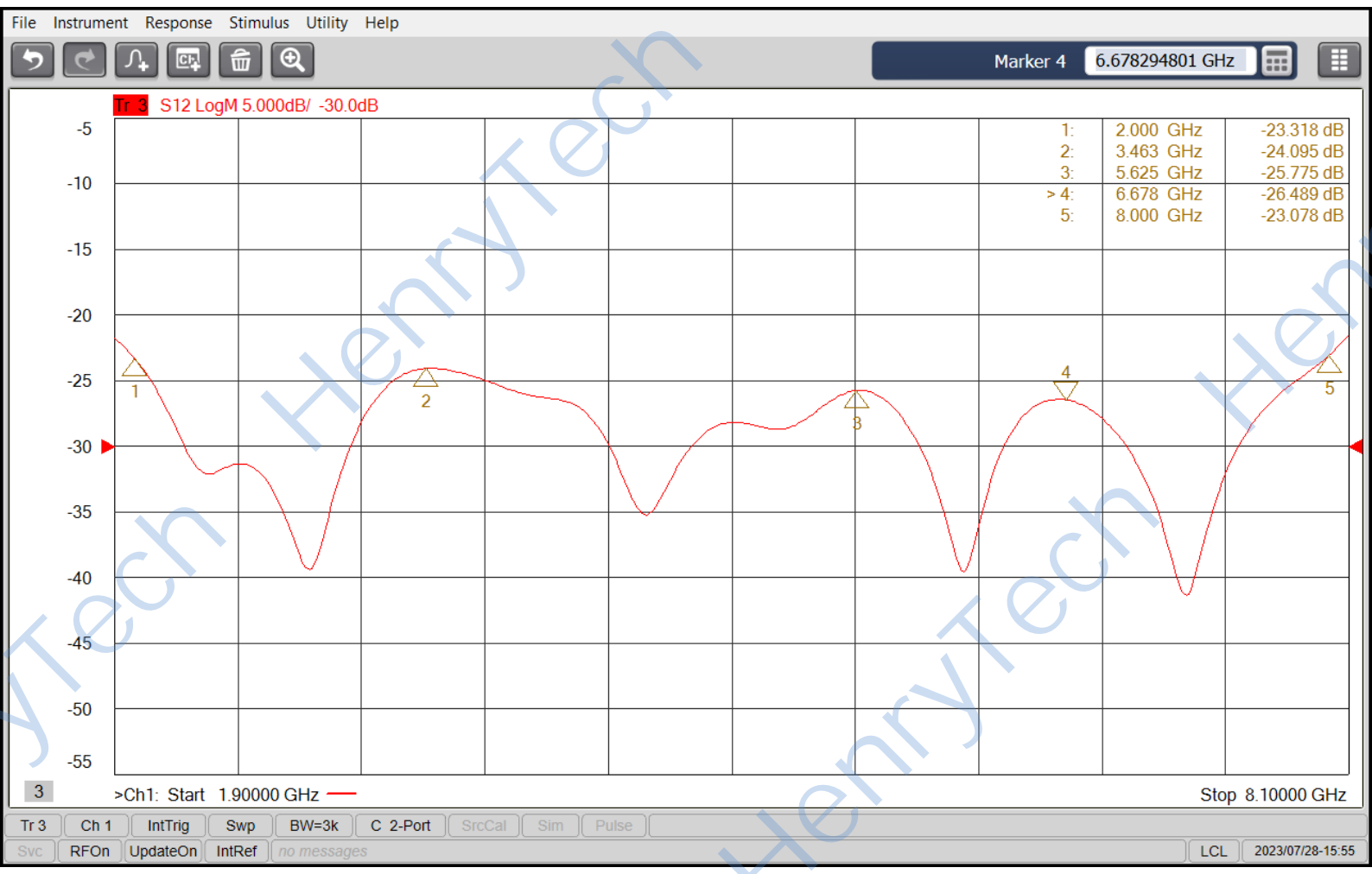
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