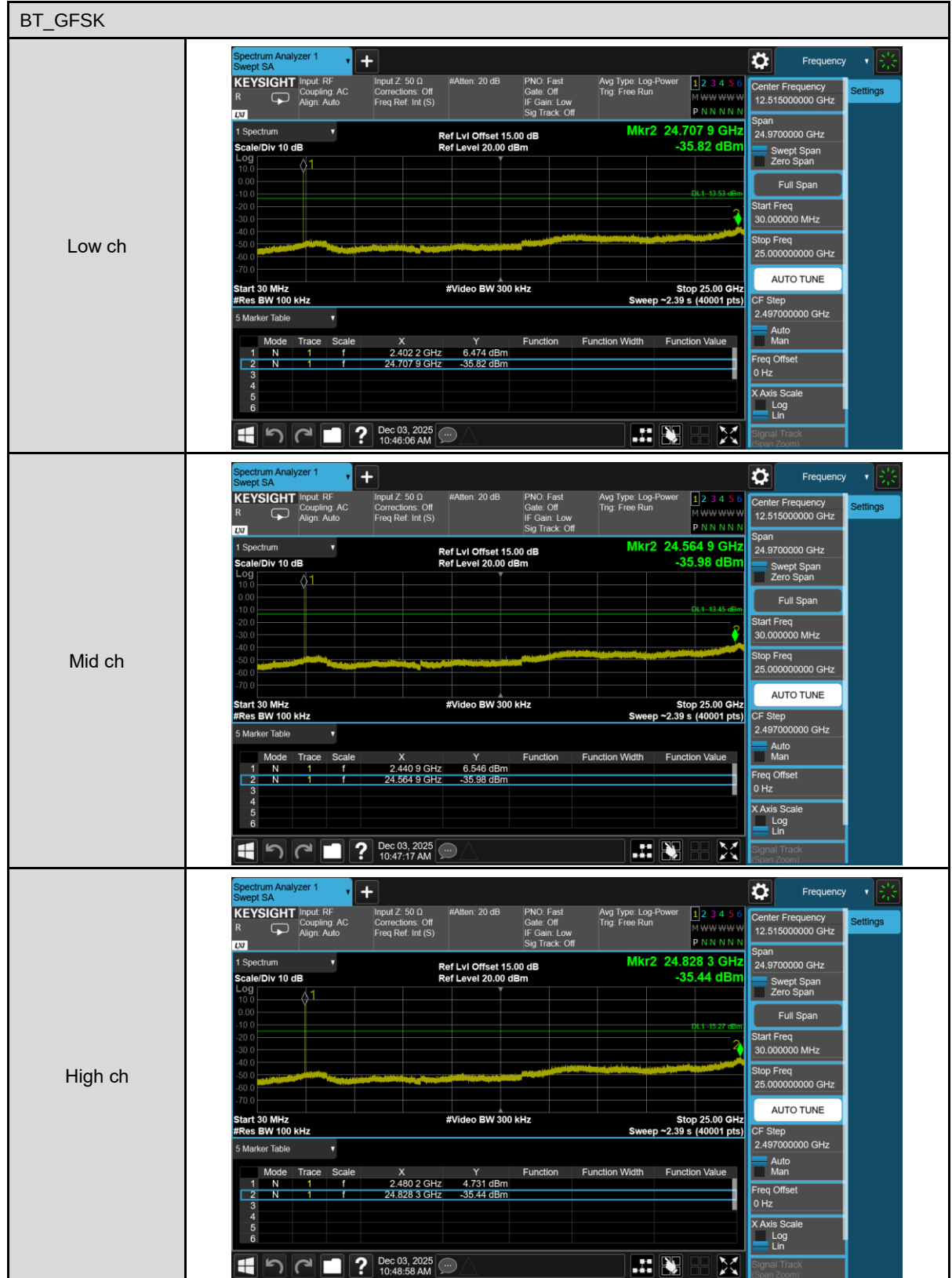


## Appendix B. Test Plots

### Out of Band Conducted Spurious Emission



BT\_8DPSK

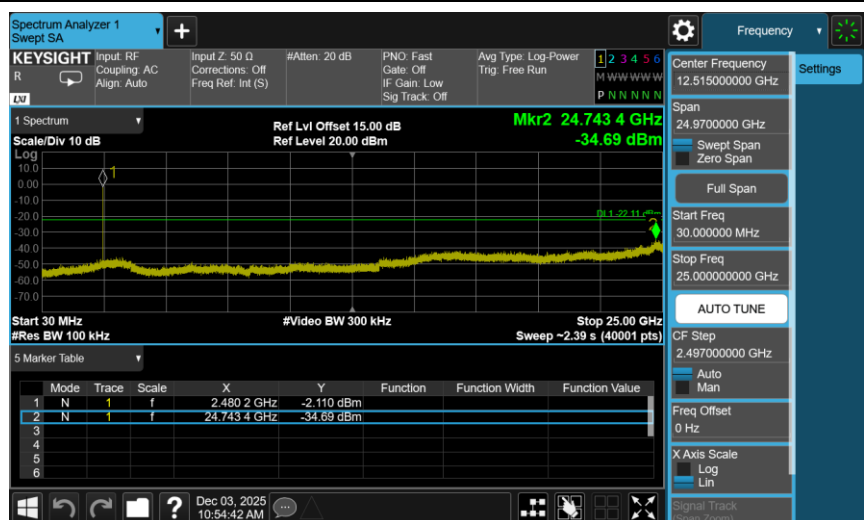
Low ch



Mid ch



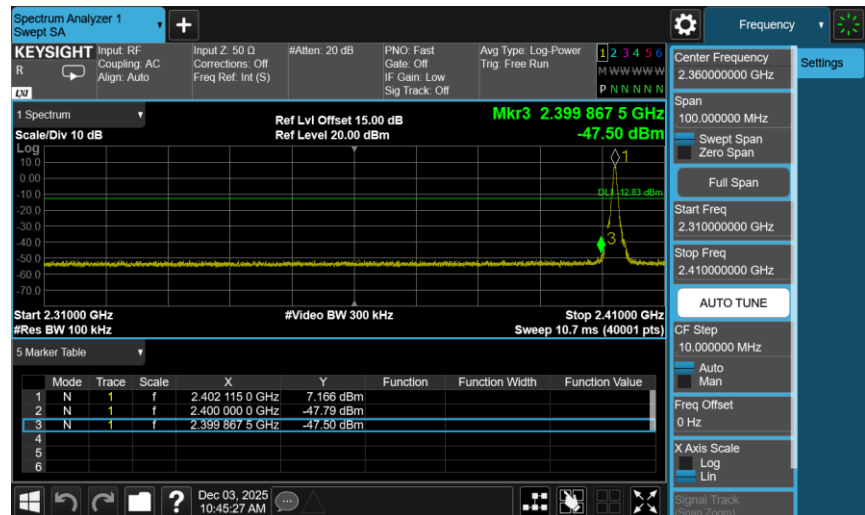
High ch



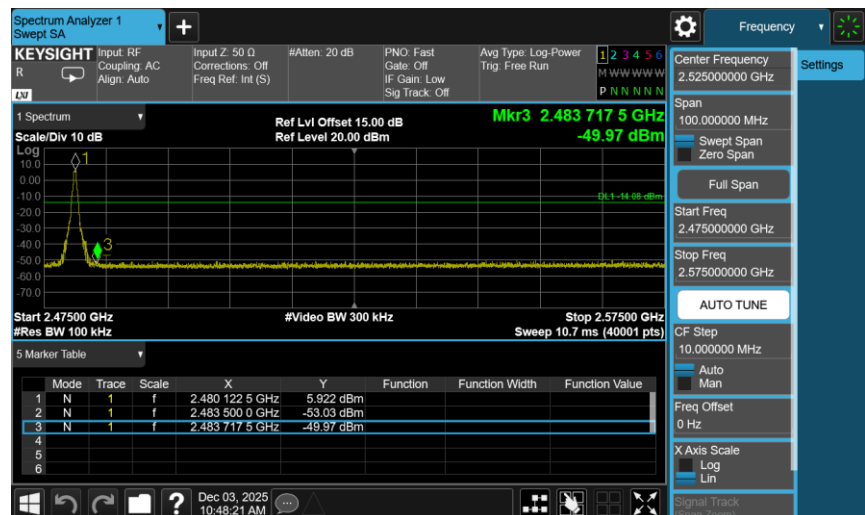
## Conducted Band Edge

BT\_GFSK\_Non-Hopping

Low ch

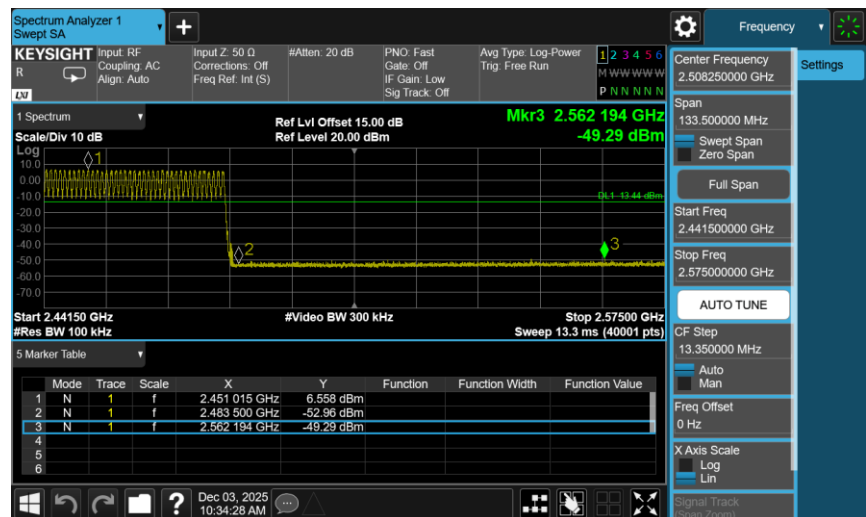
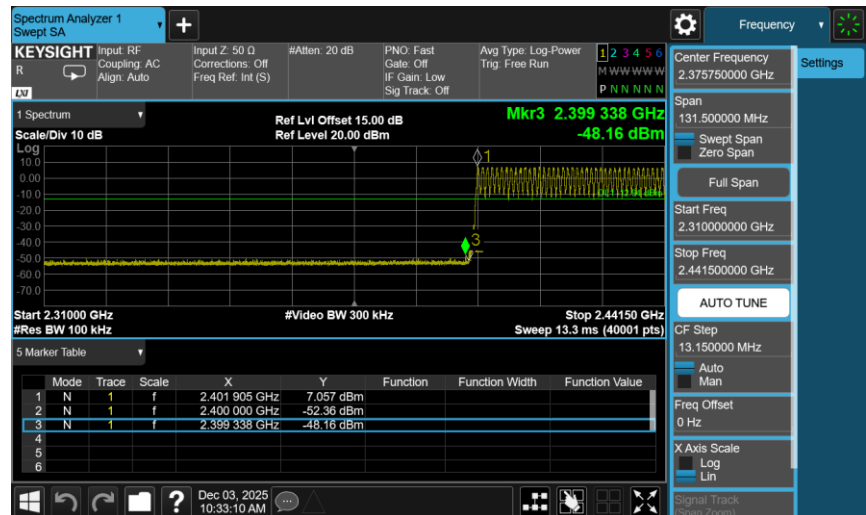


High ch



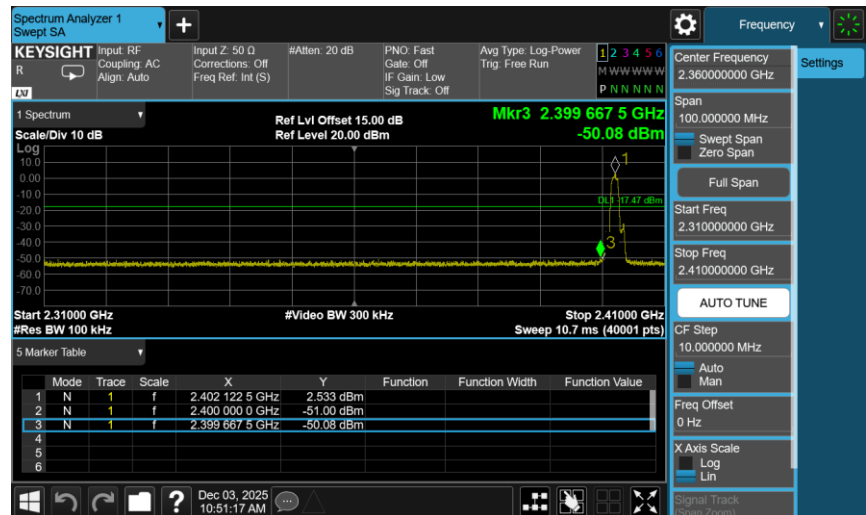
BT\_GFSK\_Hopping

Low ch-High ch

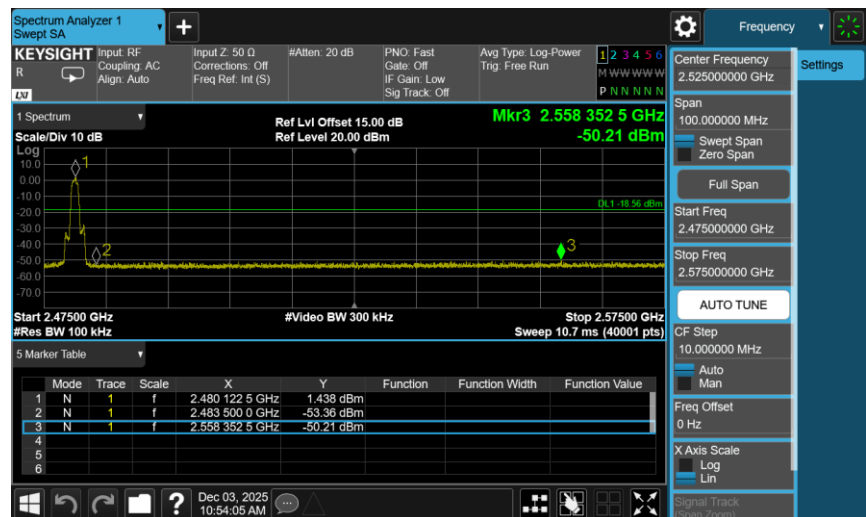


BT\_8DPSK \_Non-Hopping

Low ch

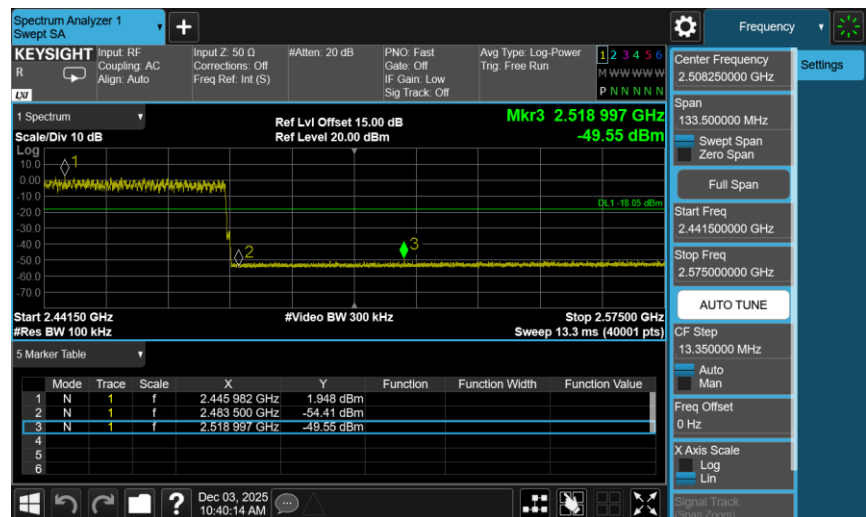
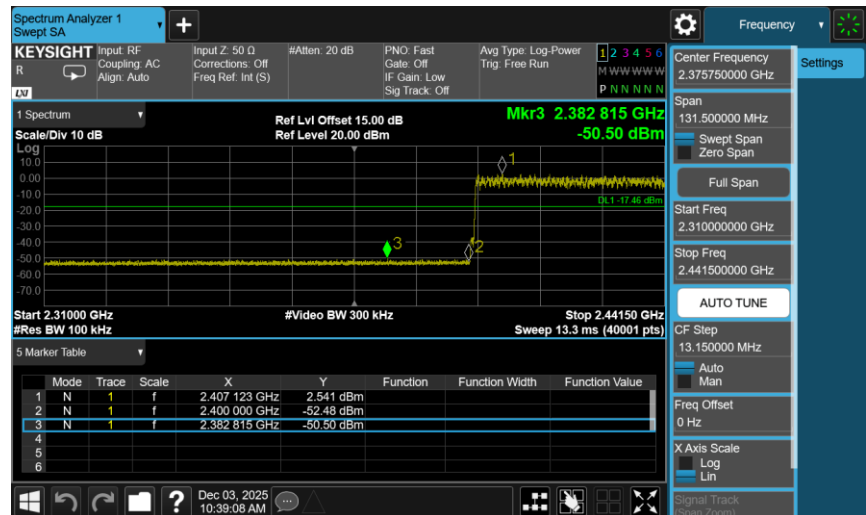


High ch



BT\_8DPSK\_Hopping

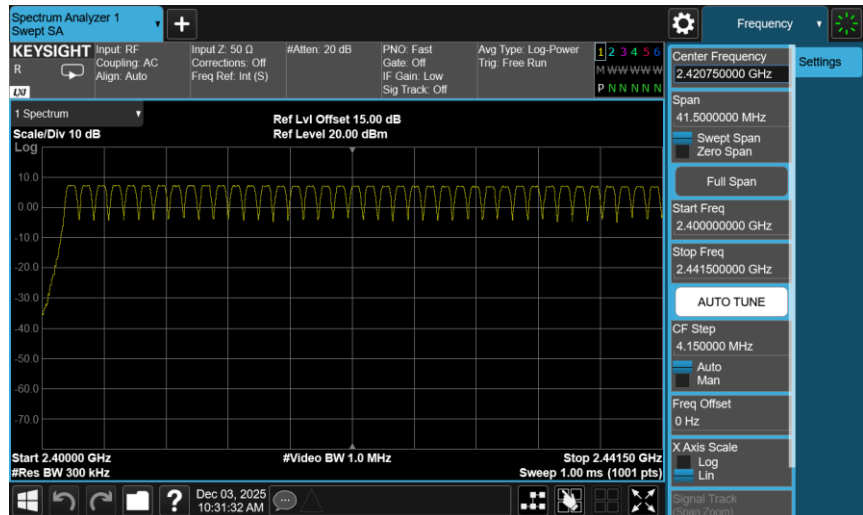
Low ch-High ch



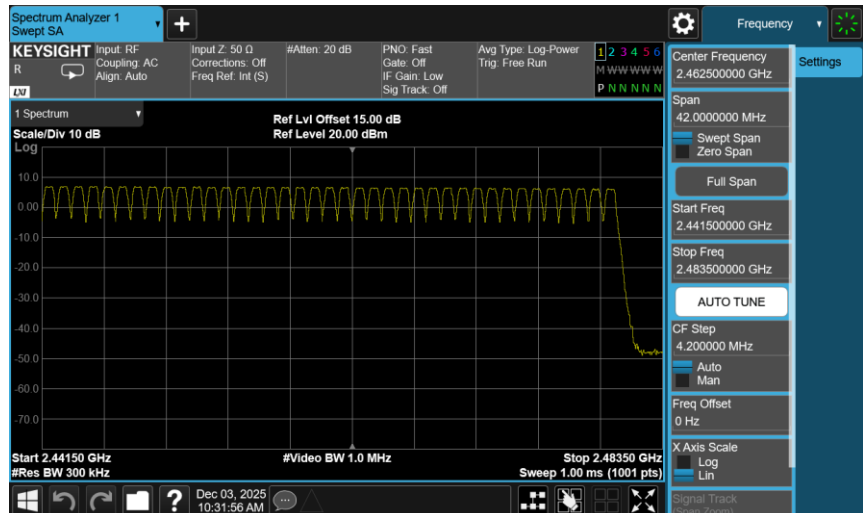
# Number of Hopping

BT\_GFSK

CH00 - CH39

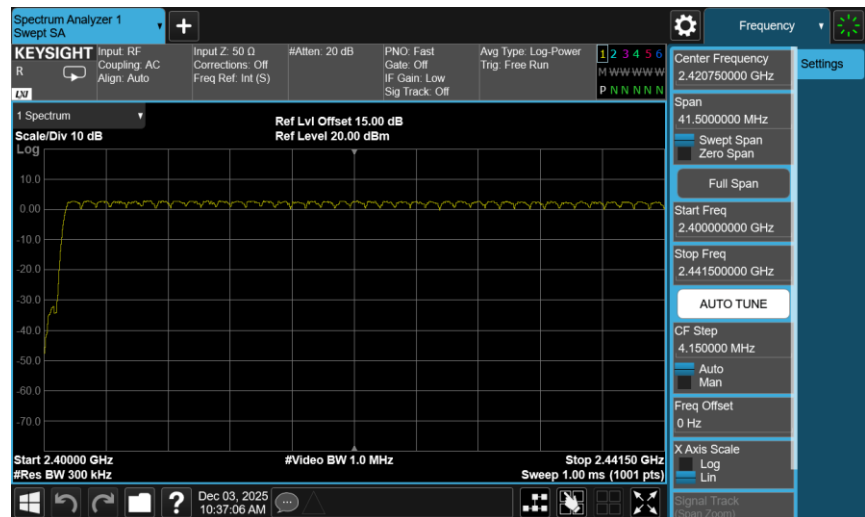


CH39- CH78

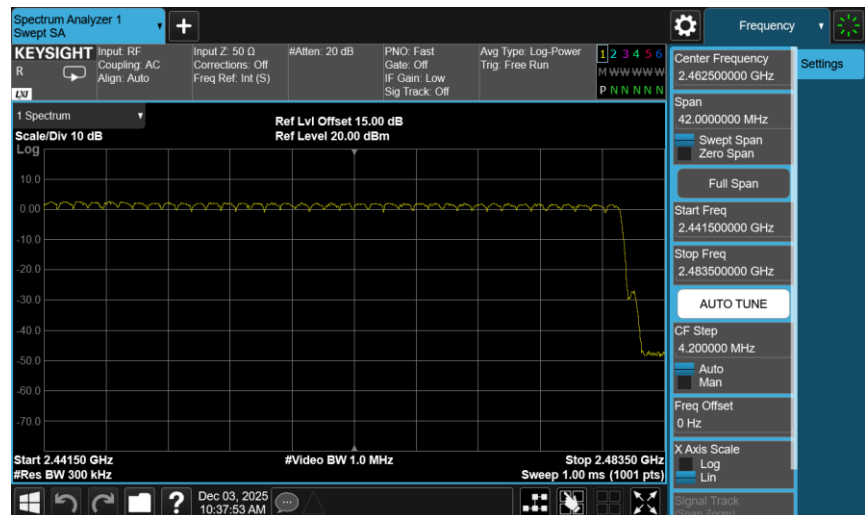


BT\_8DPSK

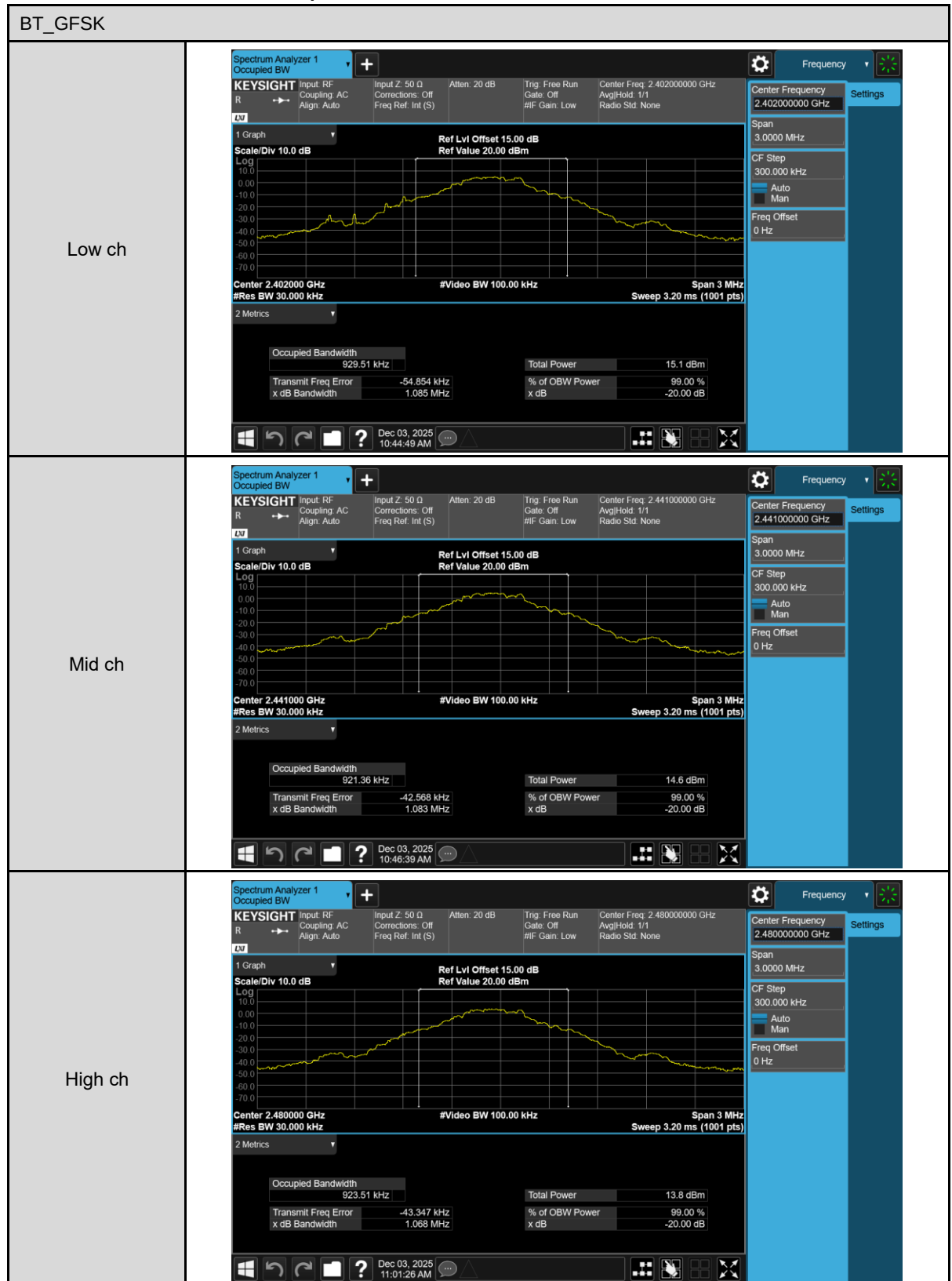
CH00 - CH39

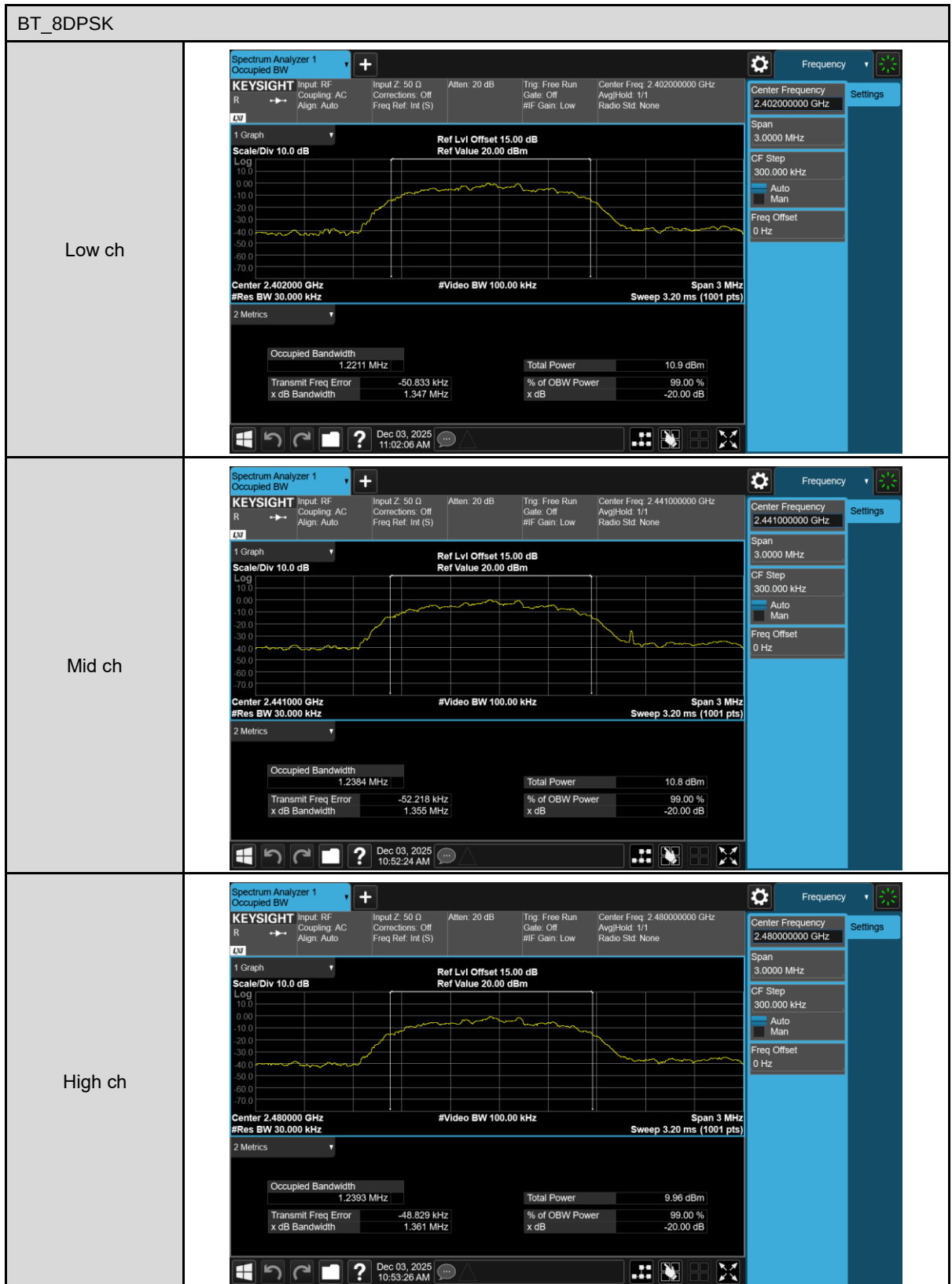


CH39- CH78



## 20 dB RF Bandwidth & 99 % Occupied Bandwidth





# Carrier Frequency Separation

BT\_GFSK

Low ch

Spectrum Analyzer 1  
Swept SA

KEYSIGHT Input: RF Coupling: AC Align: Auto Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) #Atten: 20 dB PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Trg: Free Run

1 Spectrum Scale/Div 10 dB Ref Lvl Offset 15.00 dB Ref Level 20.00 dBm Mkr2 2.402 804 GHz 7.29 dBm

Center 2.402500 GHz #Res BW 300 kHz #Video BW 1.0 MHz Span 2.000 MHz Sweep 1.00 ms (1001 pts)

| Mode | Trace | Scale | X | Y             | Function  | Function Width | Function Value |
|------|-------|-------|---|---------------|-----------|----------------|----------------|
| 1    | N     | 1     | f | 2.401 802 GHz | 7.297 dBm |                |                |
| 2    | N     | 1     | f | 2.402 804 GHz | 7.29 dBm  |                |                |
| 3    |       |       |   |               |           |                |                |
| 4    |       |       |   |               |           |                |                |
| 5    |       |       |   |               |           |                |                |
| 6    |       |       |   |               |           |                |                |

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Mid ch

Spectrum Analyzer 1  
Swept SA

KEYSIGHT Input: RF Coupling: AC Align: Auto Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) #Atten: 20 dB PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Trg: Free Run

1 Spectrum Scale/Div 10 dB Ref Lvl Offset 15.00 dB Ref Level 20.00 dBm Mkr2 2.441 814 GHz 6.93 dBm

Center 2.441500 GHz #Res BW 300 kHz #Video BW 1.0 MHz Span 2.000 MHz Sweep 1.00 ms (1001 pts)

| Mode | Trace | Scale | X | Y             | Function  | Function Width | Function Value |
|------|-------|-------|---|---------------|-----------|----------------|----------------|
| 1    | N     | 1     | f | 2.440 806 GHz | 6.952 dBm |                |                |
| 2    | N     | 1     | f | 2.441 814 GHz | 6.93 dBm  |                |                |
| 3    |       |       |   |               |           |                |                |
| 4    |       |       |   |               |           |                |                |
| 5    |       |       |   |               |           |                |                |
| 6    |       |       |   |               |           |                |                |

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High ch

Spectrum Analyzer 1  
Swept SA

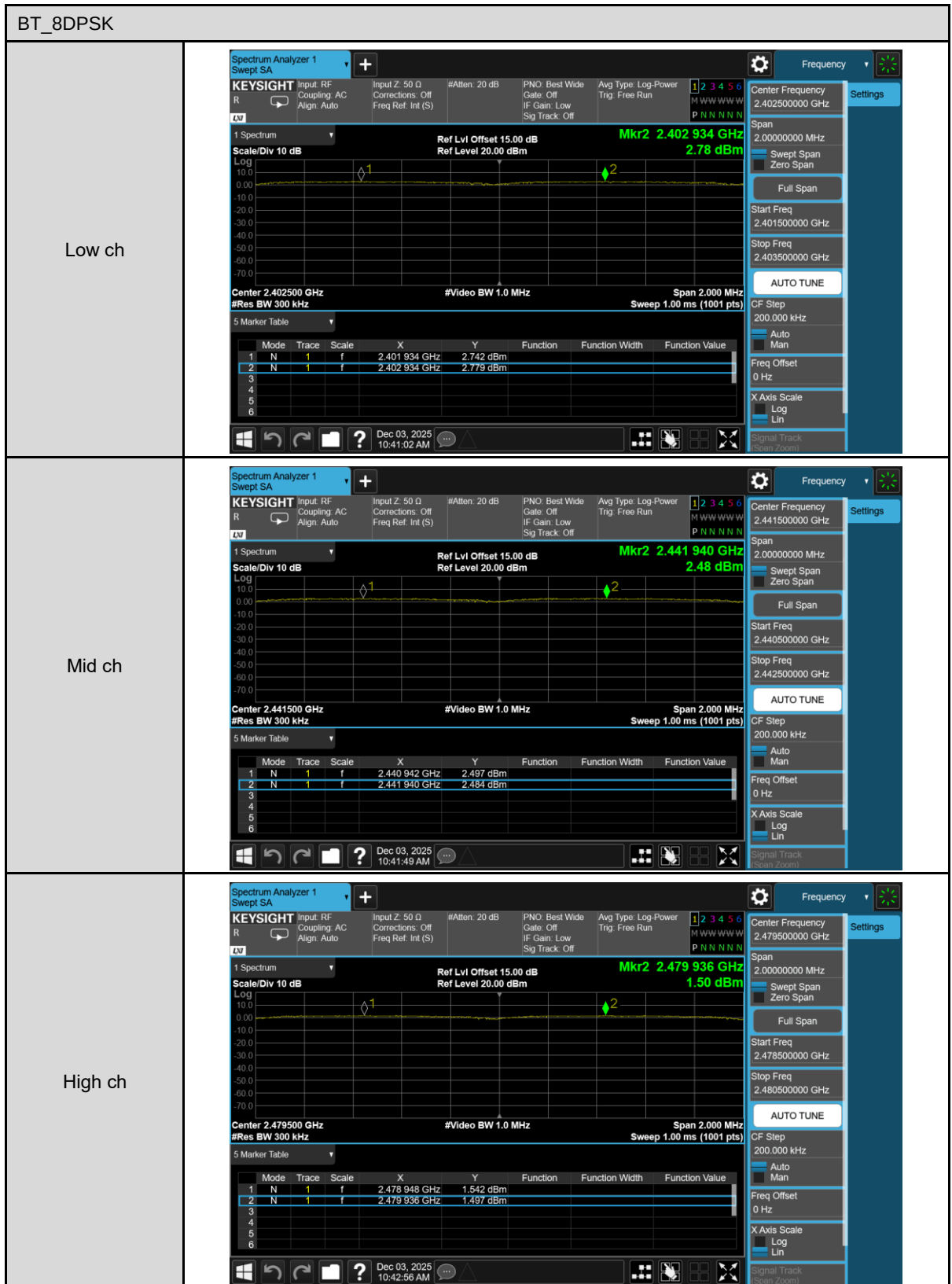
KEYSIGHT Input: RF Coupling: AC Align: Auto Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) #Atten: 20 dB PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Trg: Free Run

1 Spectrum Scale/Div 10 dB Ref Lvl Offset 15.00 dB Ref Level 20.00 dBm Mkr2 2.479 806 GHz 6.08 dBm

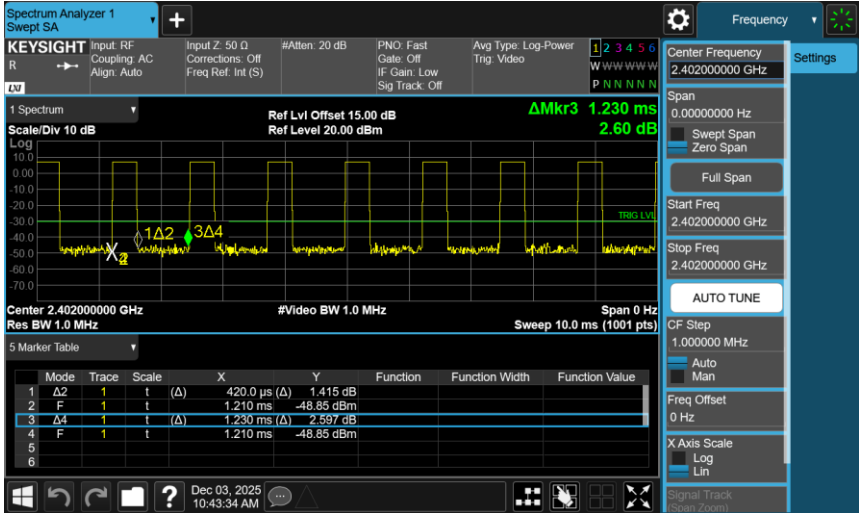
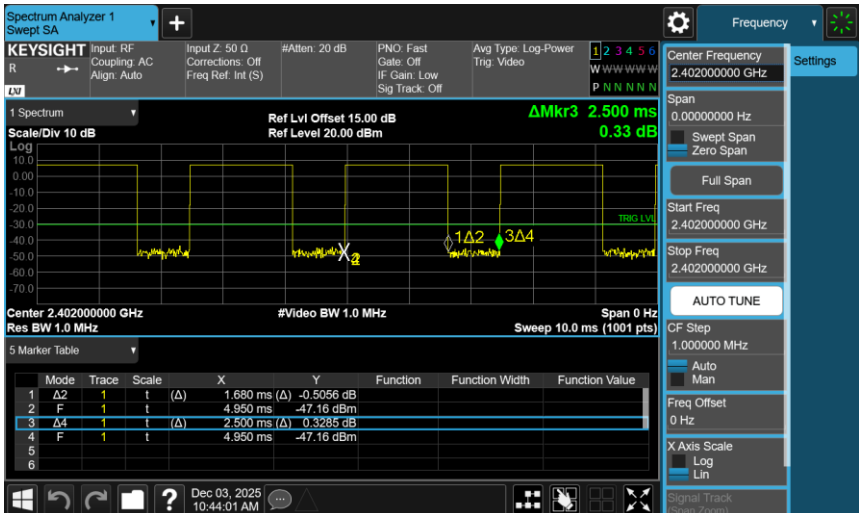
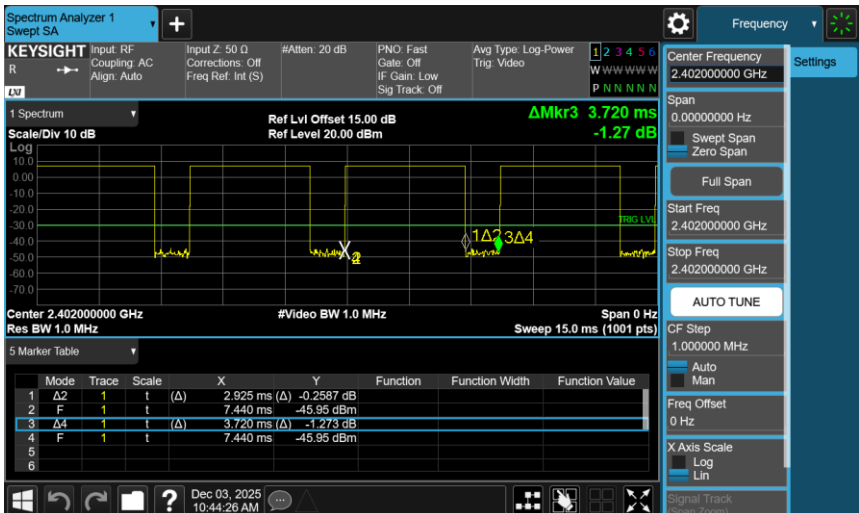
Center 2.479500 GHz #Res BW 300 kHz #Video BW 1.0 MHz Span 2.000 MHz Sweep 1.00 ms (1001 pts)

| Mode | Trace | Scale | X | Y             | Function  | Function Width | Function Value |
|------|-------|-------|---|---------------|-----------|----------------|----------------|
| 1    | N     | 1     | f | 2.478 810 GHz | 6.109 dBm |                |                |
| 2    | N     | 1     | f | 2.479 806 GHz | 6.084 dBm |                |                |
| 3    |       |       |   |               |           |                |                |
| 4    |       |       |   |               |           |                |                |
| 5    |       |       |   |               |           |                |                |
| 6    |       |       |   |               |           |                |                |

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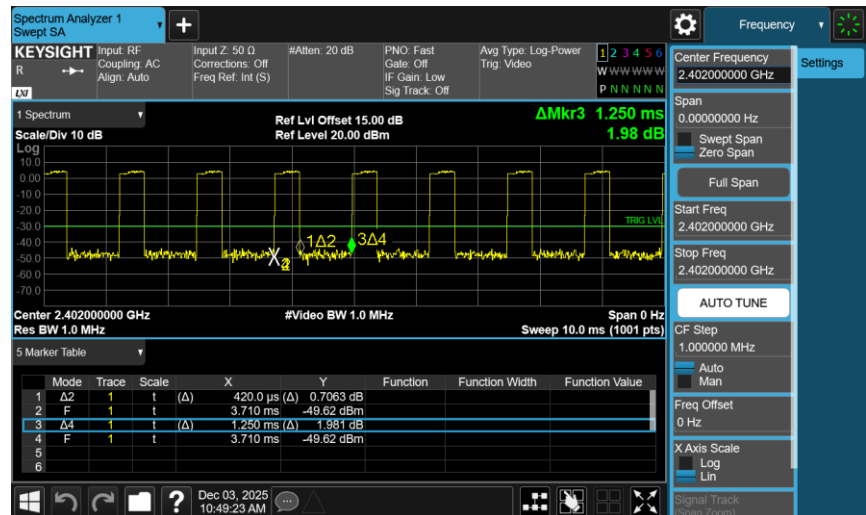


# Time of Occupancy (Dwell Time)

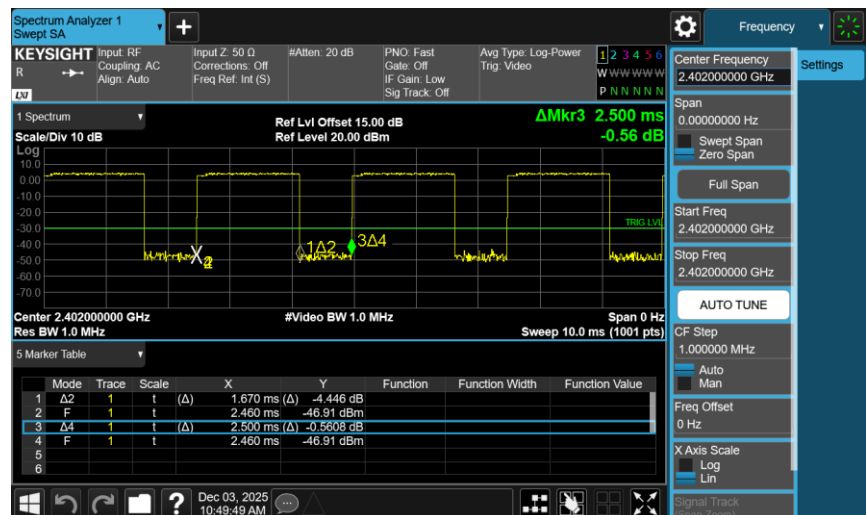
| BT_GFSK |                                                                                      |
|---------|--------------------------------------------------------------------------------------|
| DH1     |    |
| DH3     |   |
| DH5     |  |

BT\_8DPSK

3DH1



3DH3



3DH5

