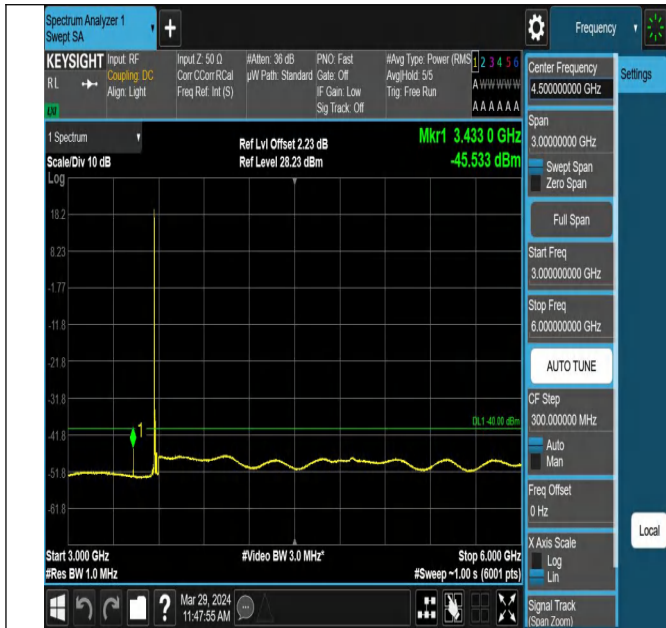
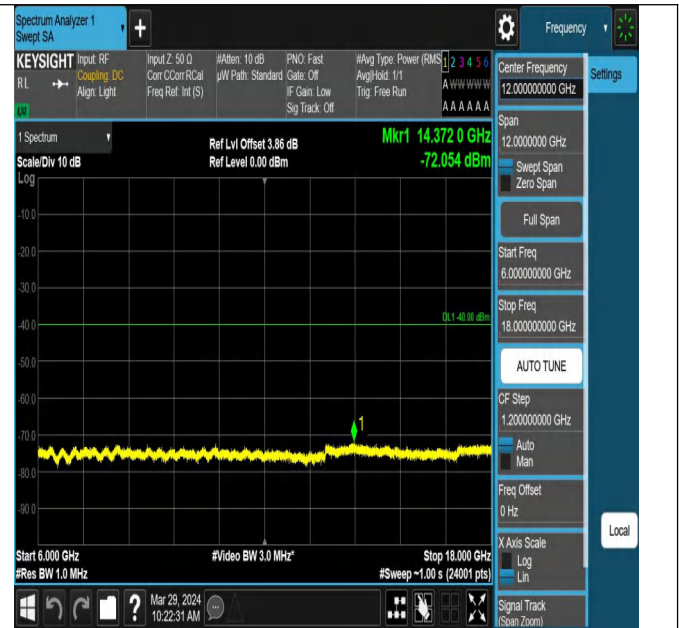




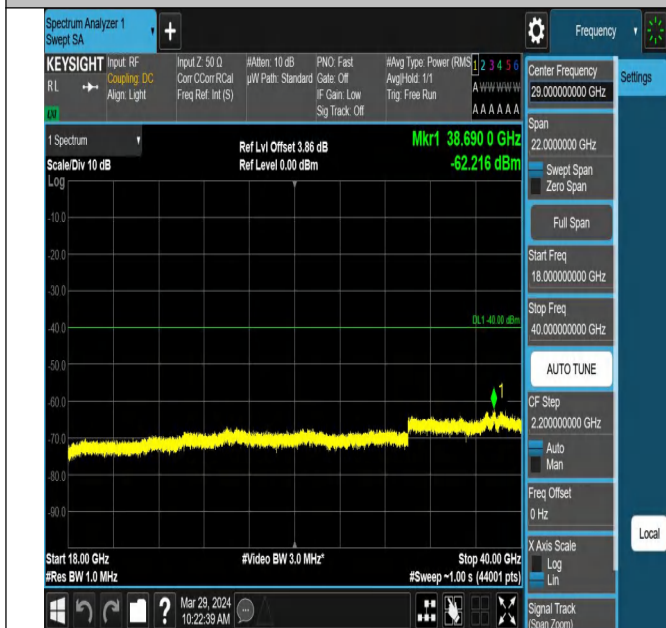
Band42\_10MHz\_QPSK\_43340\_1RB#0\_3000~6000\_3000~60

00



Band42\_10MHz\_QPSK\_43340\_1RB#0\_6000~18000\_6000~1

8000



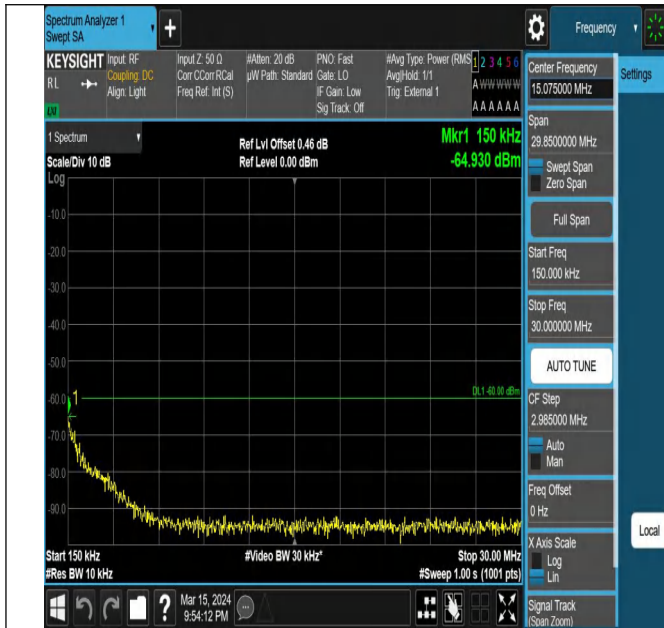
Band42\_10MHz\_QPSK\_43340\_1RB#0\_18000~40000\_18000

~40000



Band42\_10MHz\_QPSK\_43540\_1RB#0\_0.009~0.15\_0.009~0.

15



Band42\_10MHz\_QPSK\_43540\_1RB#0\_0.15~30\_0.15~30



Band42\_10MHz\_QPSK\_43540\_1RB#0\_30~1000\_30~1000



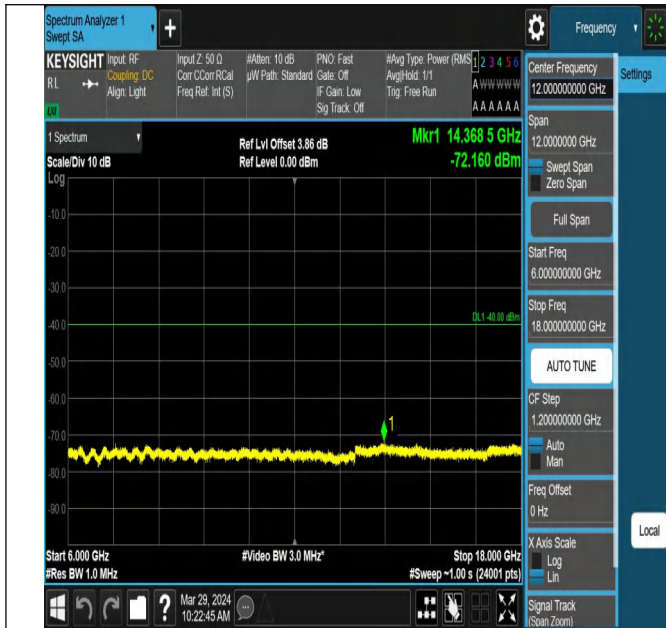
Band42\_10MHz\_QPSK\_43540\_1RB#0\_1000~3000\_1000~30



Band42\_10MHz\_QPSK\_43540\_1RB#0\_3000~6000\_3000~60

00

00



Band42\_10MHz\_QPSK\_43540\_1RB#0\_6000~18000\_6000~18000



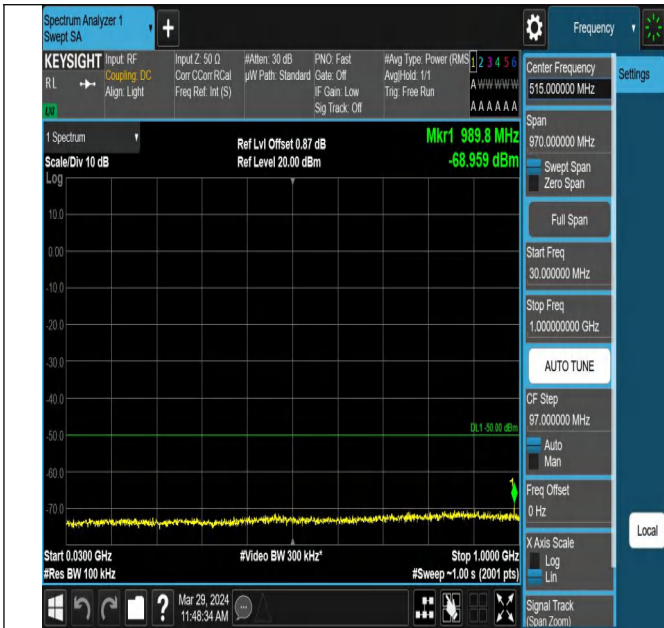
Band42\_10MHz\_QPSK\_43540\_1RB#0\_18000~40000\_18000~40000



Band42\_15MHz\_QPSK\_43165\_1RB#0\_0.009~0.15\_0.009~0.15



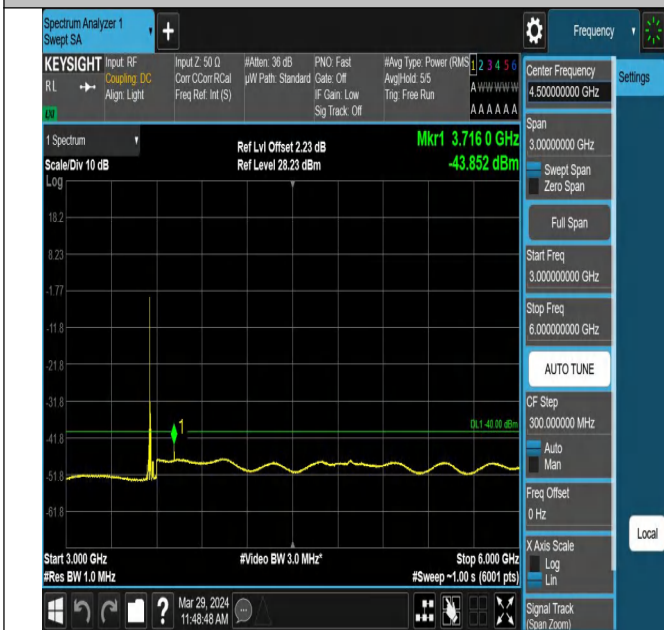
Band42\_15MHz\_QPSK\_43165\_1RB#0\_0.15~30\_0.15~30



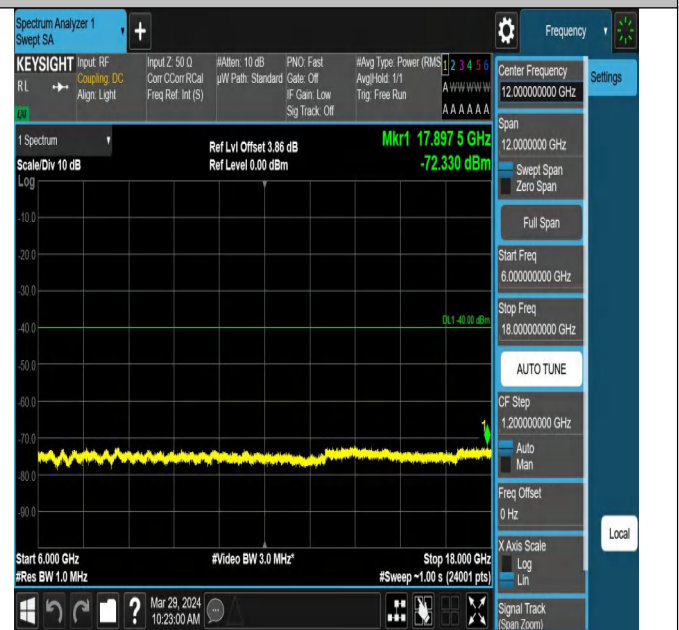
Band42\_15MHz\_QPSK\_43165\_1RB#0\_30~1000\_30~1000



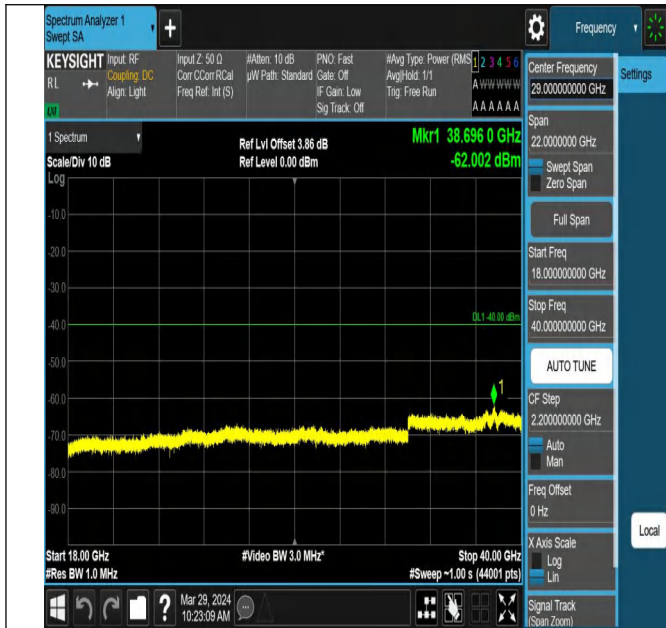
Band42\_15MHz\_QPSK\_43165\_1RB#0\_1000~3000\_1000~3000



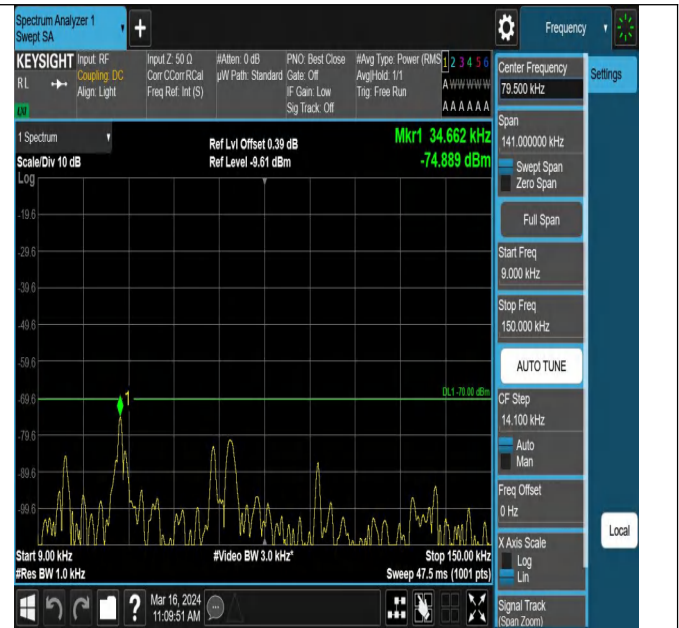
Band42\_15MHz\_QPSK\_43165\_1RB#0\_3000~6000\_3000~6000



Band42\_15MHz\_QPSK\_43165\_1RB#0\_6000~18000\_6000~18000



Band22\_15MHz\_QPSK\_43165\_1RB#0\_18000~40000\_18000  
~40000



Band22\_15MHz\_QPSK\_43340\_1RB#0\_0.009~0.15\_0.009~0.  
15



Band22\_15MHz\_QPSK\_43340\_1RB#0\_0.15~30\_0.15~30

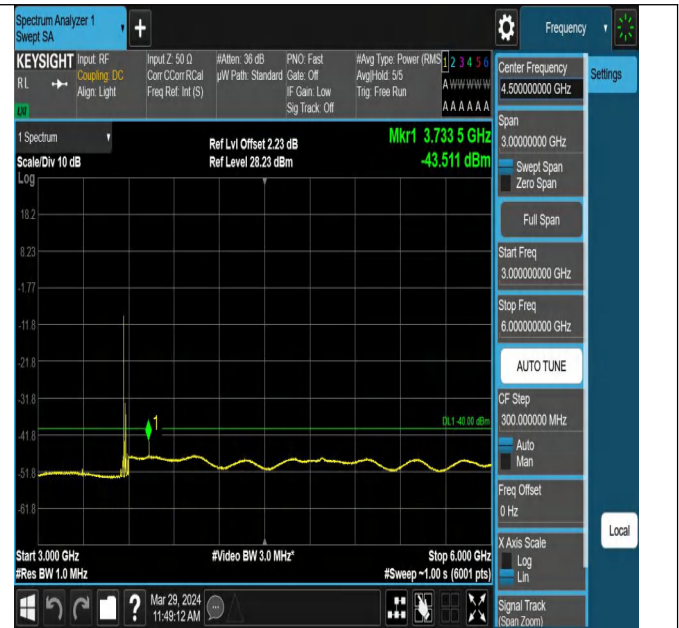


Band22\_15MHz\_QPSK\_43340\_1RB#0\_30~1000\_30~1000



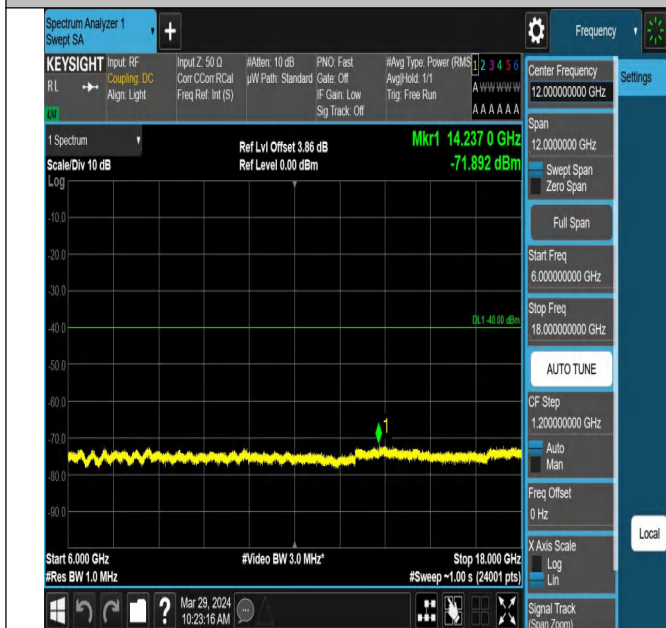
Band42\_15MHz\_QPSK\_43340\_1RB#0\_1000~3000\_1000~30

00



Band42\_15MHz\_QPSK\_43340\_1RB#0\_3000~6000\_3000~60

00



Band42\_15MHz\_QPSK\_43340\_1RB#0\_6000~18000\_6000~1

8000



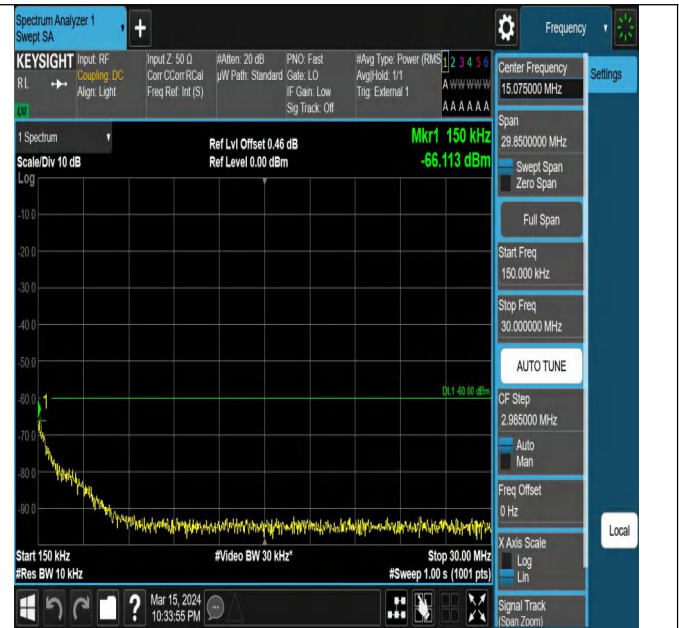
Band42\_15MHz\_QPSK\_43340\_1RB#0\_18000~40000\_18000

~40000



Band42\_15MHz\_QPSK\_43515\_1RB#0\_0.009~0.15\_0.009~0.

15



Band42\_15MHz\_QPSK\_43515\_1RB#0\_0.15~30\_0.15~30

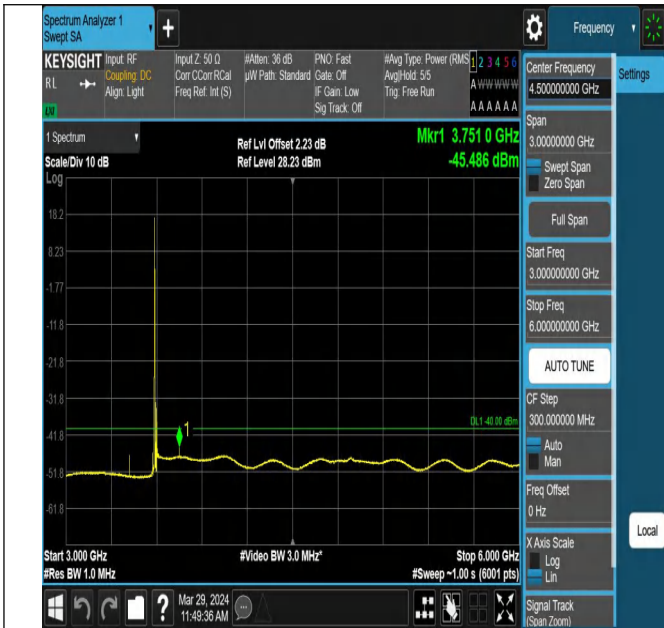


Band42\_15MHz\_QPSK\_43515\_1RB#0\_30~1000\_30~1000



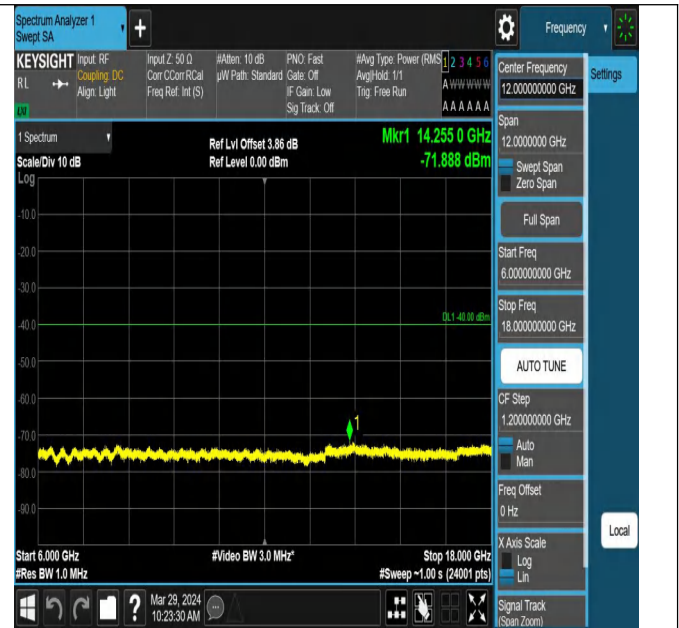
Band42\_15MHz\_QPSK\_43515\_1RB#0\_1000~3000\_1000~30

00



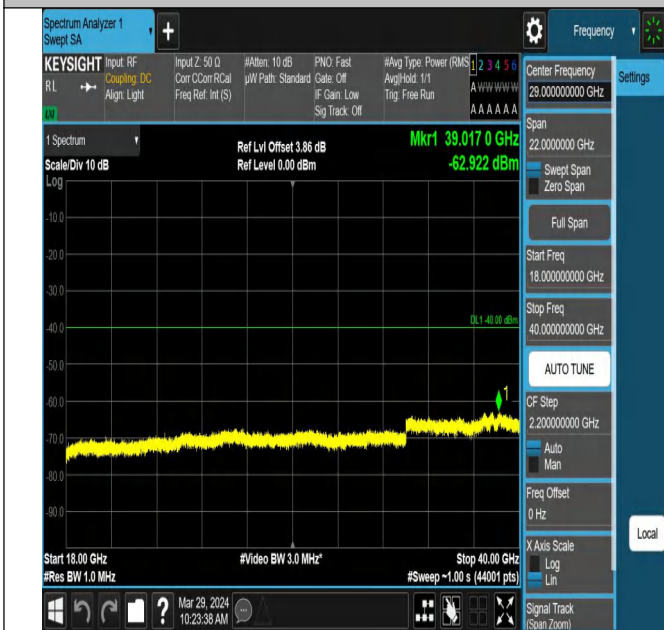
Band42\_15MHz\_QPSK\_43515\_1RB#0\_3000~6000\_3000~60

00



Band42\_15MHz\_QPSK\_43515\_1RB#0\_6000~18000\_6000~1

8000



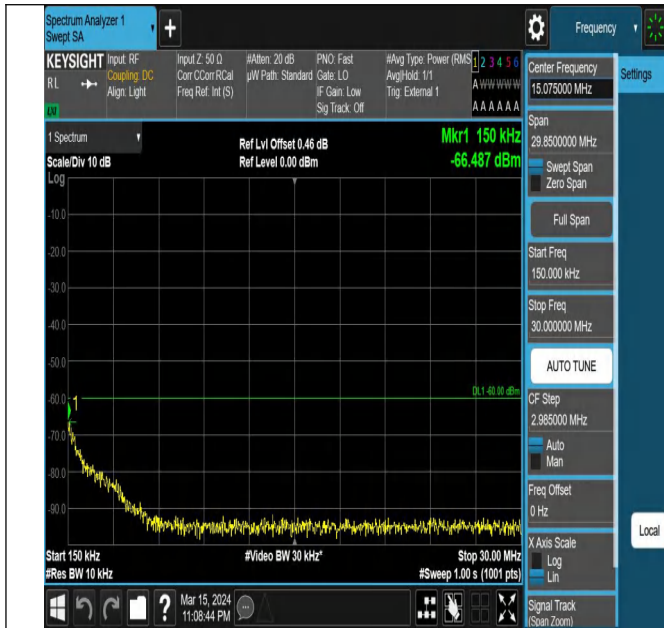
Band42\_15MHz\_QPSK\_43515\_1RB#0\_18000~40000\_18000

~40000



Band42\_20MHz\_QPSK\_43190\_1RB#0\_0.009~0.15\_0.009~0.

15



Band42\_20MHz\_QPSK\_43190\_1RB#0\_0.15~30\_0.15~30



Band42\_20MHz\_QPSK\_43190\_1RB#0\_30~1000\_30~1000



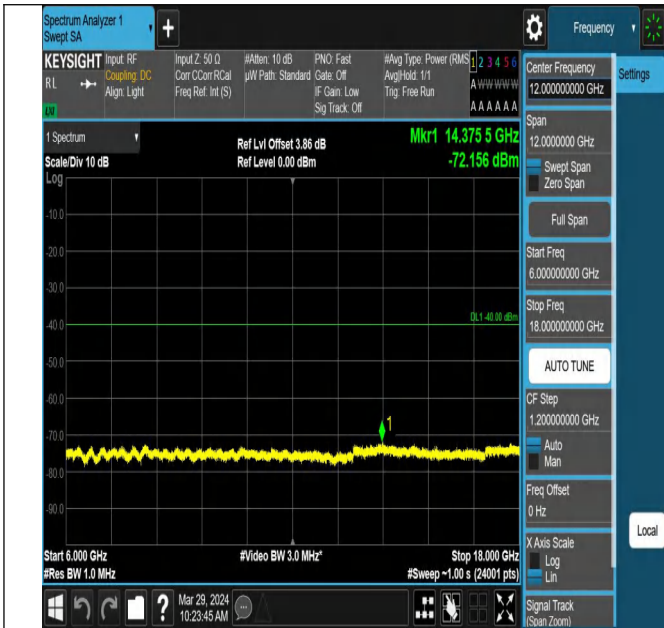
Band42\_20MHz\_QPSK\_43190\_1RB#0\_1000~3000\_1000~30



Band42\_20MHz\_QPSK\_43190\_1RB#0\_3000~6000\_3000~60

00

00



Band42\_20MHz\_QPSK\_43190\_1RB#0\_6000~18000\_6000~18000



Band42\_20MHz\_QPSK\_43190\_1RB#0\_18000~40000\_18000~40000



Band42\_20MHz\_QPSK\_43340\_1RB#0\_0.009~0.15\_0.009~0.15



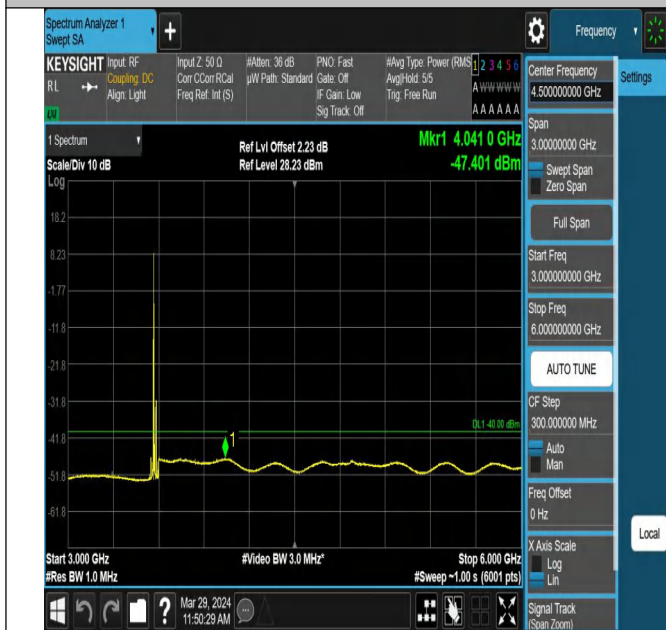
Band42\_20MHz\_QPSK\_43340\_1RB#0\_0.15~30\_0.15~30



Band42\_20MHz\_QPSK\_43340\_1RB#0\_30~1000\_30~1000



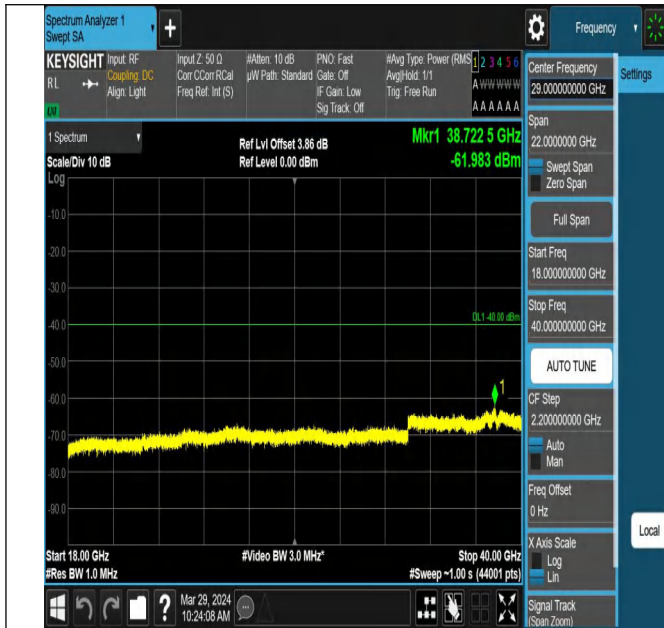
Band42\_20MHz\_QPSK\_43340\_1RB#0\_1000~3000\_1000~3000  
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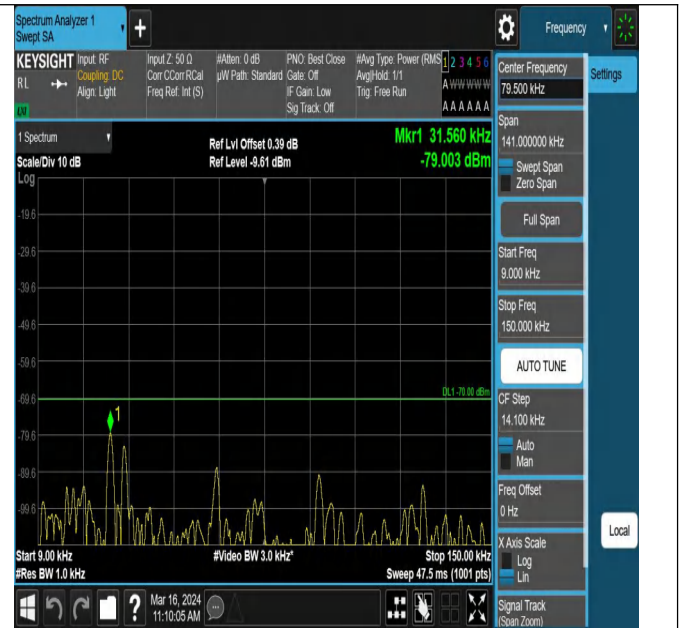
Band42\_20MHz\_QPSK\_43340\_1RB#0\_3000~6000\_3000~6000  
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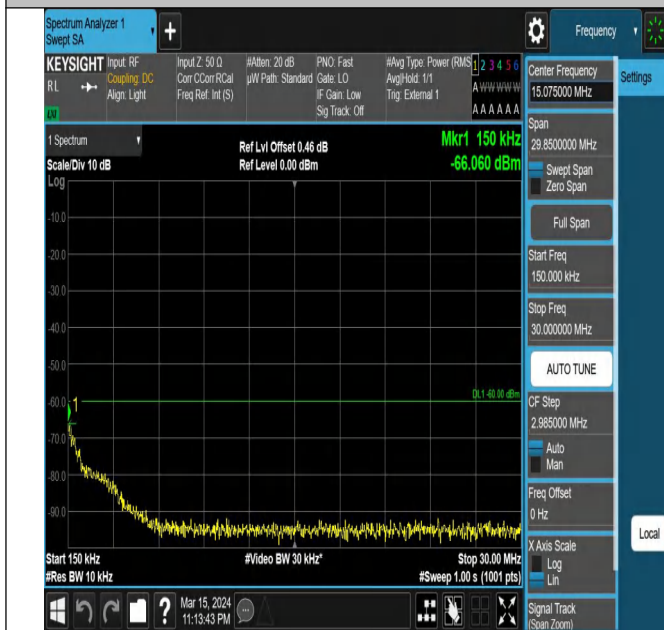
Band42\_20MHz\_QPSK\_43340\_1RB#0\_6000~18000\_6000~18000  
8000



Band22\_20MHz\_QPSK\_43340\_1RB#0\_18000~40000\_18000  
~40000



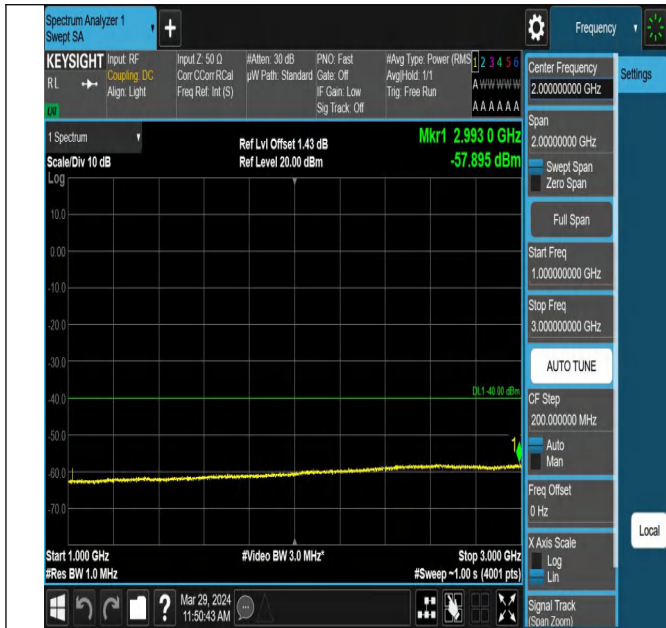
Band22\_20MHz\_QPSK\_43490\_1RB#0\_0.009~0.15\_0.009~0.  
15



Band22\_20MHz\_QPSK\_43490\_1RB#0\_0.15~30\_0.15~30

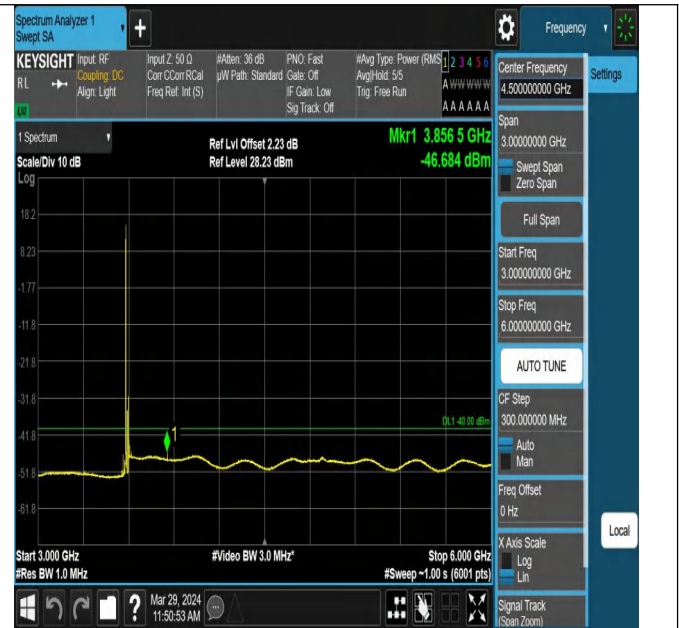


Band22\_20MHz\_QPSK\_43490\_1RB#0\_30~1000\_30~1000



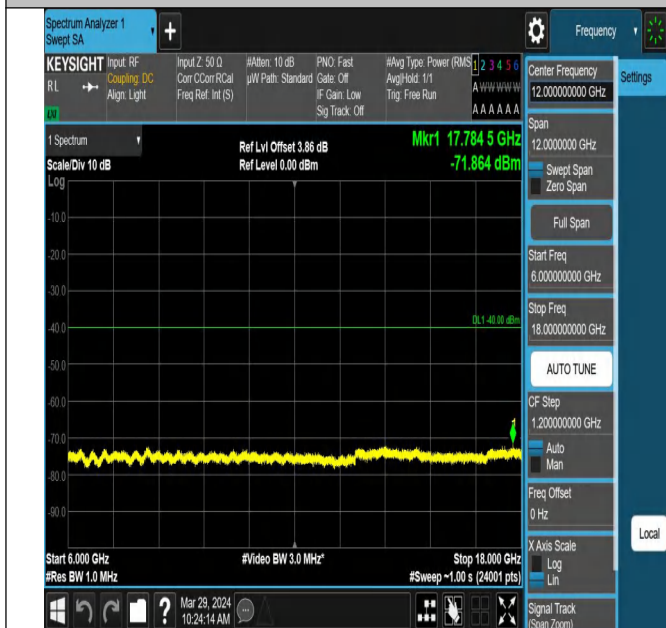
Band42\_20MHz\_QPSK\_43490\_1RB#0\_1000~3000\_1000~30

00



Band42\_20MHz\_QPSK\_43490\_1RB#0\_3000~6000\_3000~60

00



Band42\_20MHz\_QPSK\_43490\_1RB#0\_6000~18000\_6000~1

8000



Band42\_20MHz\_QPSK\_43490\_1RB#0\_18000~40000\_18000

~40000

## Frequency Stability

### Test Result

| Voltage       |           |            |         |                  |               |                  |                |                 |             |         |
|---------------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band          | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 42(3550-3600) | 20MHz     | QPSK       | 43340   | 100RB#0          | VN            | NT               | -11.34         | -0.003172       | ±2.5        | PASS    |
| 42(3550-3600) | 20MHz     | QPSK       | 43340   | 100RB#0          | VL            | NT               | -5.33          | -0.001491       | ±2.5        | PASS    |
| 42(3550-3600) | 20MHz     | QPSK       | 43340   | 100RB#0          | VH            | NT               | -8.88          | -0.002484       | ±2.5        | PASS    |

| Temperature   |           |            |         |                  |               |                  |                |                 |             |         |
|---------------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band          | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 42(3550-3600) | 20MHz     | QPSK       | 43340   | 100RB#0          | NV            | -30              | -13.06         | -0.003653       | ±2.5        | PASS    |
| 42(3550-3600) | 20MHz     | QPSK       | 43340   | 100RB#0          | NV            | -20              | -8.38          | -0.002344       | ±2.5        | PASS    |
| 42(3550-3600) | 20MHz     | QPSK       | 43340   | 100RB#0          | NV            | -10              | -11.31         | -0.003164       | ±2.5        | PASS    |
| 42(3550-3600) | 20MHz     | QPSK       | 43340   | 100RB#0          | NV            | 0                | -10.37         | -0.002901       | ±2.5        | PASS    |
| 42(3550-3600) | 20MHz     | QPSK       | 43340   | 100RB#0          | NV            | 10               | -9.39          | -0.002627       | ±2.5        | PASS    |
| 42(3550-3600) | 20MHz     | QPSK       | 43340   | 100RB#0          | NV            | 20               | -12.09         | -0.003382       | ±2.5        | PASS    |
| 42(3550-3600) | 20MHz     | QPSK       | 43340   | 100RB#0          | NV            | 30               | -8.79          | -0.002459       | ±2.5        | PASS    |
| 42(3550-3600) | 20MHz     | QPSK       | 43340   | 100RB#0          | NV            | 40               | -4.28          | -0.001197       | ±2.5        | PASS    |
| 42(3550-3600) | 20MHz     | QPSK       | 43340   | 100RB#0          | NV            | 50               | -9.49          | -0.002655       | ±2.5        | PASS    |