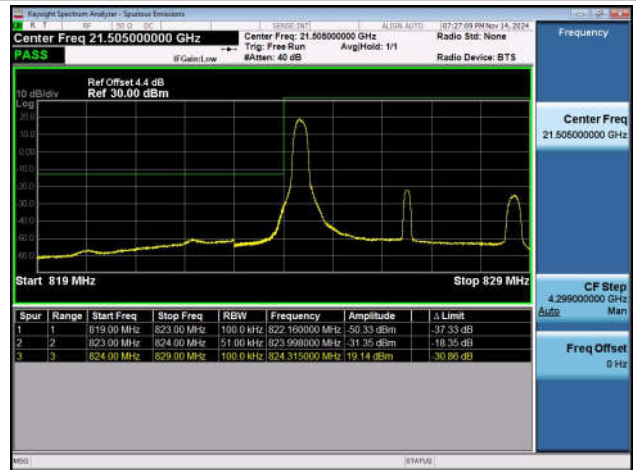


Band26\_3MHz\_QPSK\_27025\_15RB#0



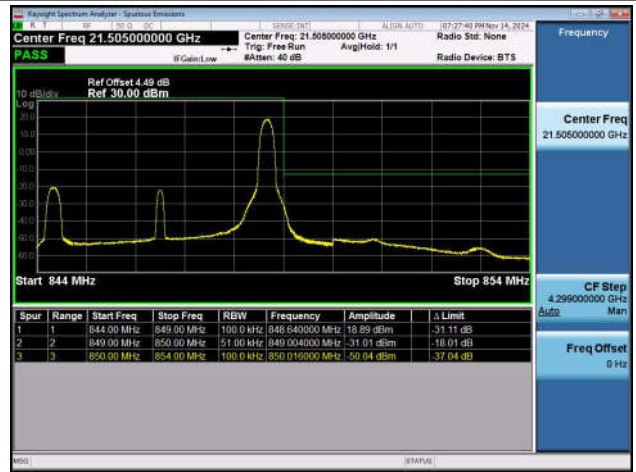
Band26\_5MHz\_QPSK\_26815\_1RB#0



Band26\_5MHz\_QPSK\_26815\_25RB#0



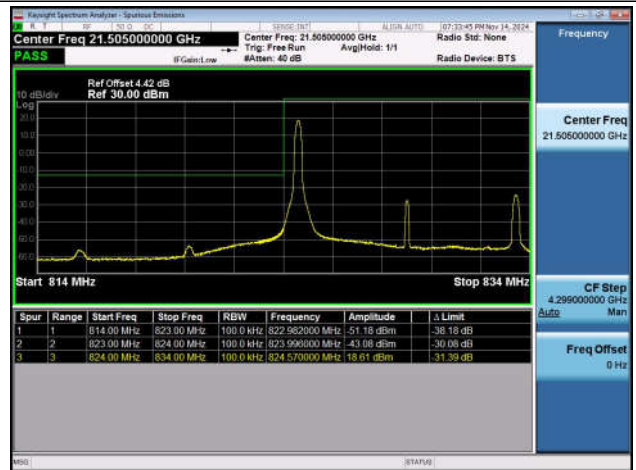
Band26\_5MHz\_QPSK\_27015\_1RB#24



Band26\_5MHz\_QPSK\_27015\_25RB#0



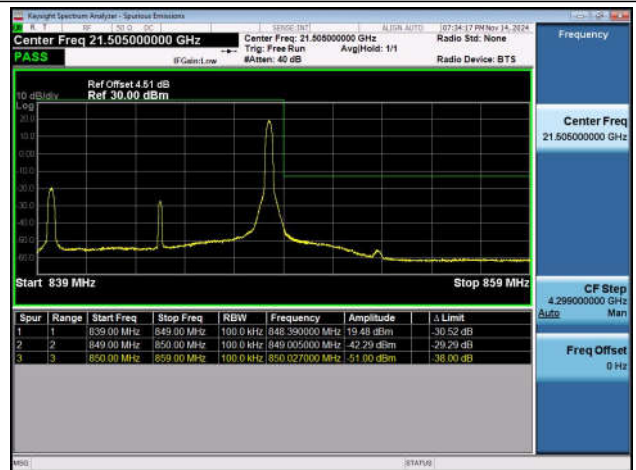
Band26\_10MHz\_QPSK\_26840\_1RB#0



Band26\_10MHz\_QPSK\_26840\_50RB#0



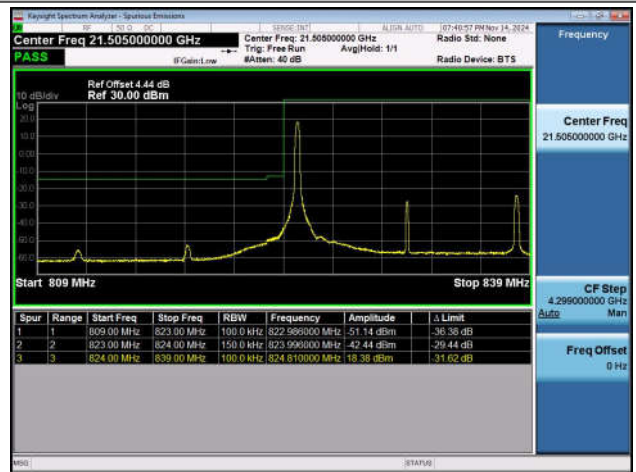
Band26\_10MHz\_QPSK\_26990\_1RB#49



Band26\_10MHz\_QPSK\_26990\_50RB#0



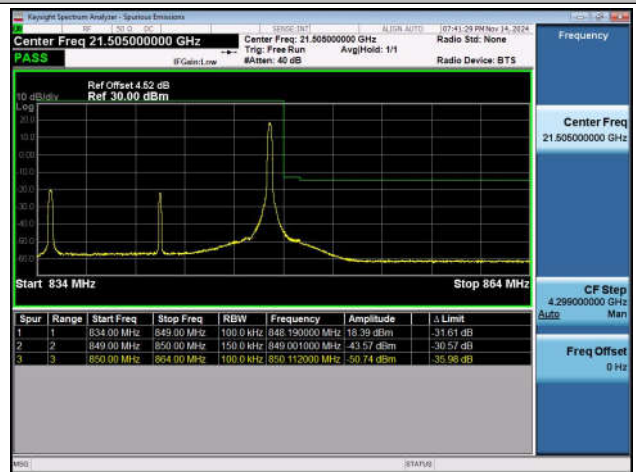
Band26\_15MHz\_QPSK\_26865\_1RB#0



Band26\_15MHz\_QPSK\_26865\_75RB#0



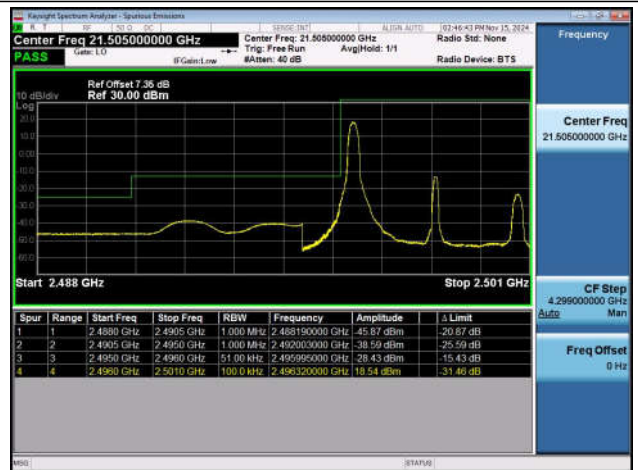
Band26\_15MHz\_QPSK\_26965\_1RB#74



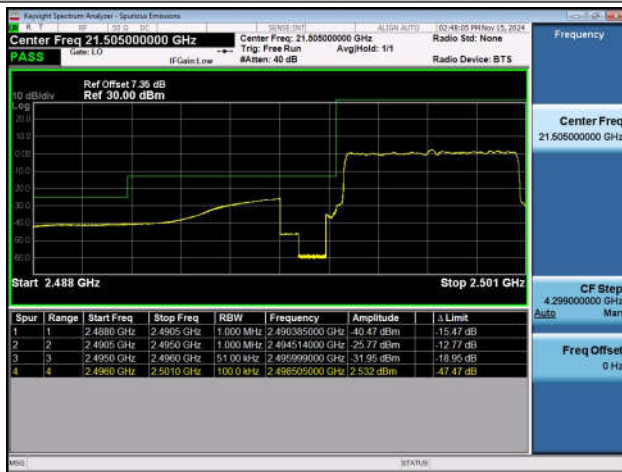
Band26\_15MHz\_QPSK\_26965\_75RB#0



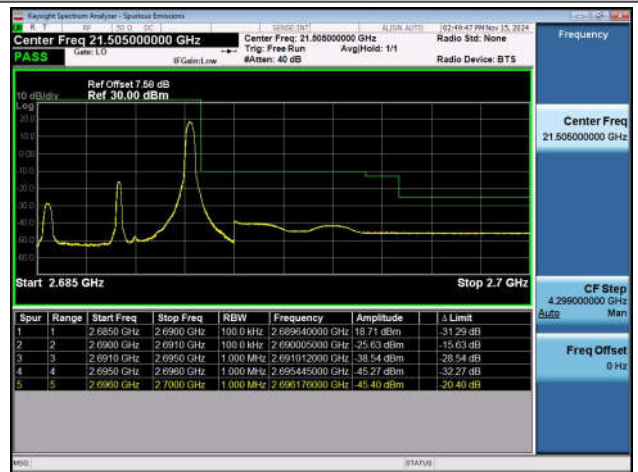
Band41\_5MHz\_QPSK\_39675\_1RB#0



Band41\_5MHz\_QPSK\_39675\_25RB#0



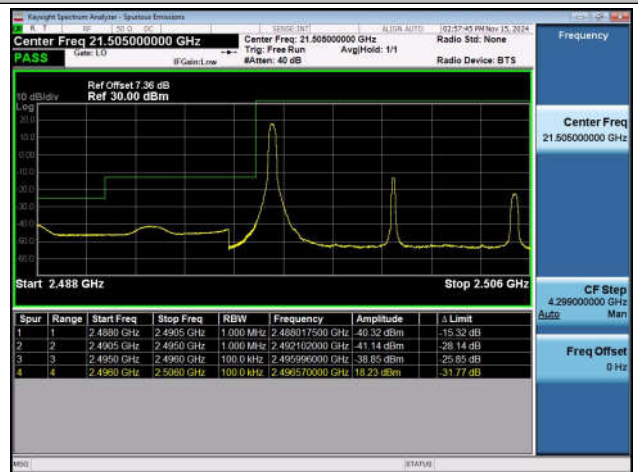
Band41\_5MHz\_QPSK\_41565\_1RB#24



Band41\_5MHz\_QPSK\_41565\_25RB#0



Band41\_10MHz\_QPSK\_39700\_1RB#0

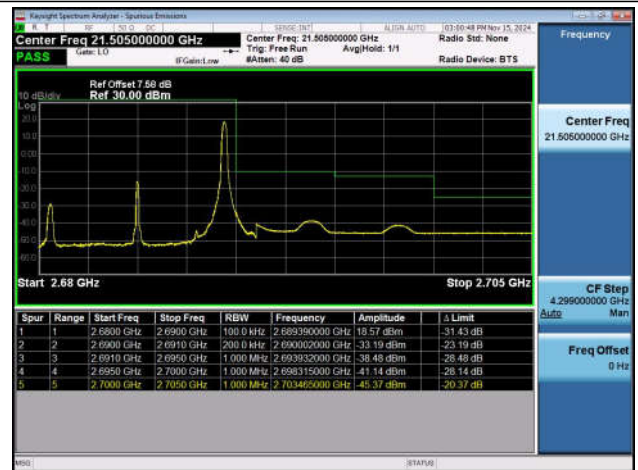




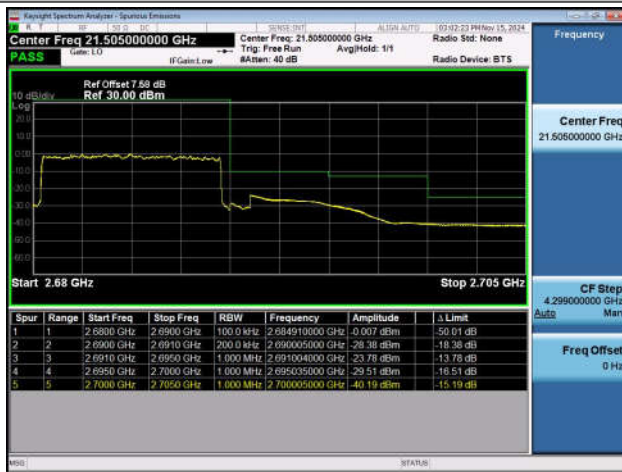
Band41\_10MHz\_QPSK\_39700\_50RB#0



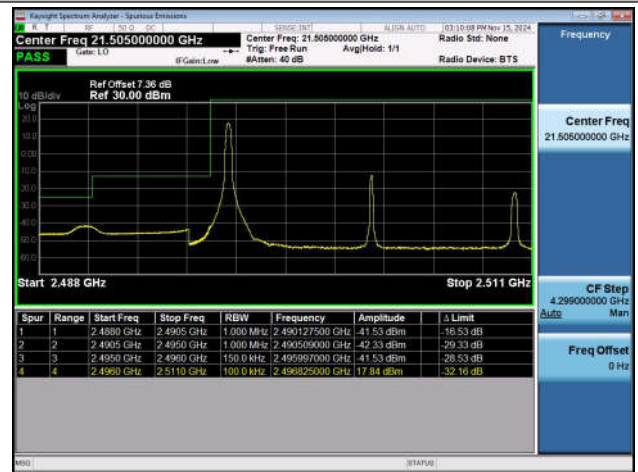
Band41\_10MHz\_QPSK\_41540\_1RB#49



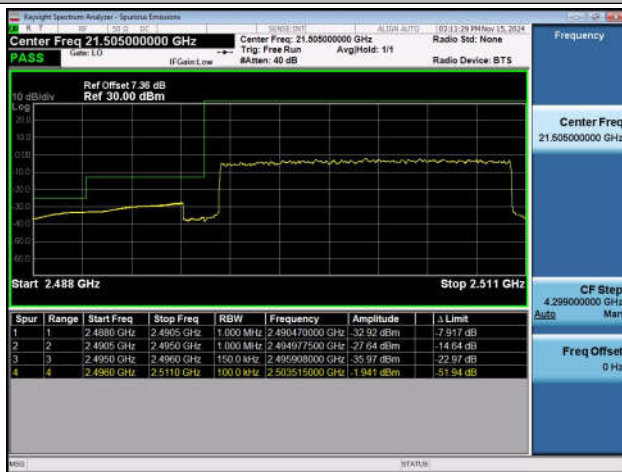
Band41\_10MHz\_QPSK\_41540\_50RB#0



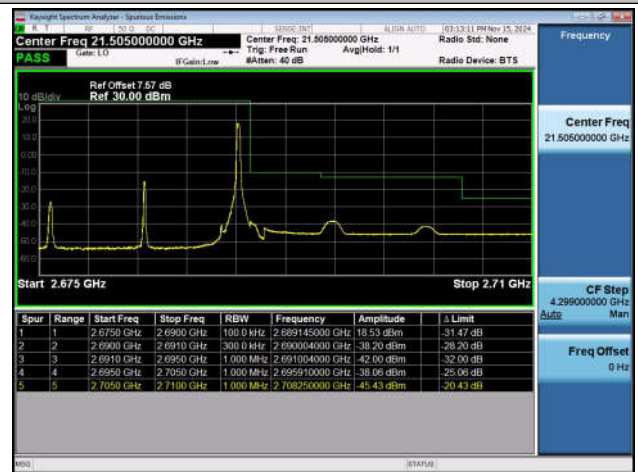
Band41\_15MHz\_QPSK\_39725\_1RB#0



Band41\_15MHz\_QPSK\_39725\_75RB#0



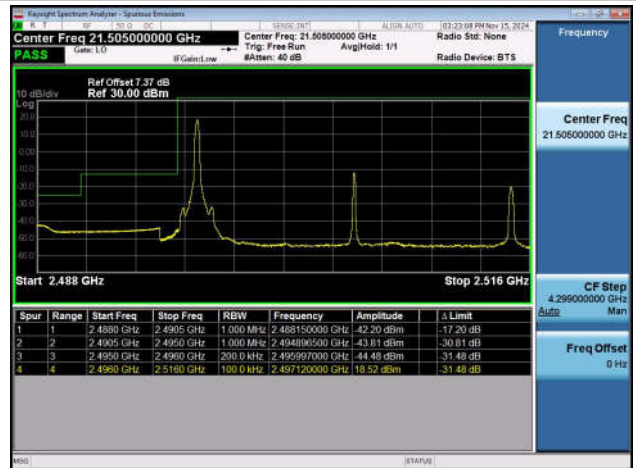
Band41\_15MHz\_QPSK\_41515\_1RB#74



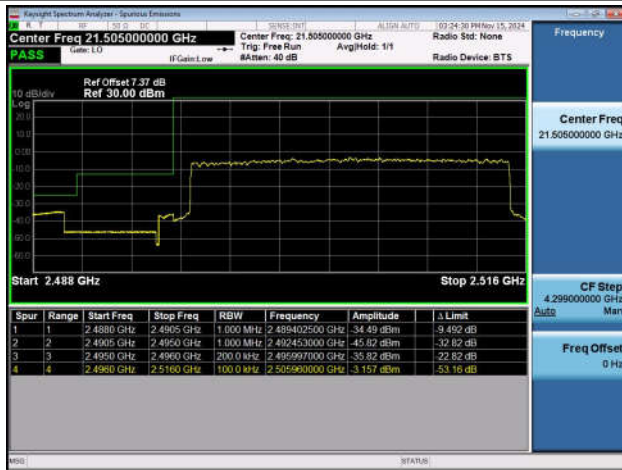
Band41\_15MHz\_QPSK\_41515\_75RB#0



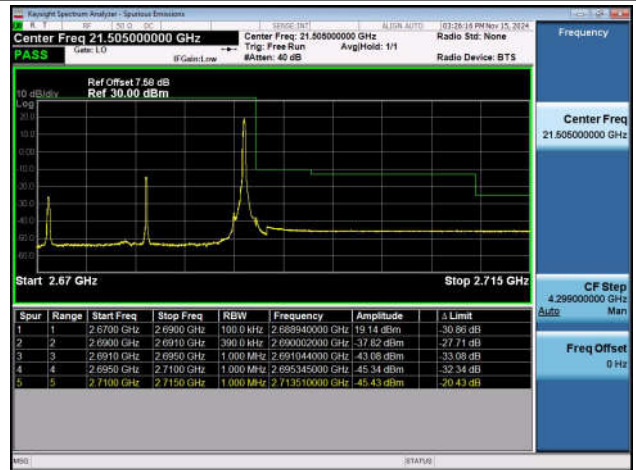
Band41\_20MHz\_QPSK\_39750\_1RB#0



Band41\_20MHz\_QPSK\_39750\_100RB#0



Band41\_20MHz\_QPSK\_41490\_1RB#99



Band41\_20MHz\_QPSK\_41490\_100RB#0



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## Conducted Spurious Emission

### Test Result and Data

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-----------------|--------------|-------------|---------|
| Band2 | 20MHz     | QPSK       | 18700   | 1RB#0            | 30~1000         | -65.07       | -23.0       | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 1RB#0            | 1000~3000       | -36.28       | -13.0       | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 1RB#0            | 3000~20000      | -28.56       | -13.0       | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 1RB#0            | 30~1000         | -65.00       | -23.0       | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 1RB#0            | 1000~3000       | -49.54       | -13.0       | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 1RB#0            | 3000~20000      | -28.66       | -13.0       | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 1RB#0            | 30~1000         | -65.64       | -23.0       | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 1RB#0            | 1000~3000       | -49.22       | -13.0       | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 1RB#0            | 3000~20000      | -28.83       | -13.0       | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 1RB#0            | 30~1000         | -65.54       | -23.0       | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 1RB#0            | 1000~3000       | -49.19       | -13.0       | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 1RB#0            | 3000~20000      | -28.54       | -13.0       | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 1RB#0            | 30~1000         | -65.44       | -23.0       | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 1RB#0            | 1000~3000       | -49.13       | -13.0       | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 1RB#0            | 3000~20000      | -28.39       | -13.0       | PASS    |
| Band4 | 20MHz     | QPSK       | 20300   | 1RB#0            | 30~1000         | -65.46       | -23.0       | PASS    |
| Band4 | 20MHz     | QPSK       | 20300   | 1RB#0            | 1000~3000       | -41.07       | -13.0       | PASS    |
| Band4 | 20MHz     | QPSK       | 20300   | 1RB#0            | 3000~20000      | -28.24       | -13.0       | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 1RB#0            | 30~1000         | -65.53       | -13.0       | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 1RB#0            | 1000~3000       | -48.09       | -13.0       | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 1RB#0            | 3000~10000      | -37.65       | -13.0       | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 1RB#0            | 30~1000         | -65.34       | -13.0       | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 1RB#0            | 1000~3000       | -45.12       | -13.0       | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 1RB#0            | 3000~10000      | -37.70       | -13.0       | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 1RB#0            | 30~1000         | -65.35       | -13.0       | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 1RB#0            | 1000~3000       | -47.04       | -13.0       | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 1RB#0            | 3000~10000      | -37.84       | -13.0       | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 1RB#0            | 30~1000         | -65.35       | -35.0       | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 1RB#0            | 1000~3000       | -49.04       | -25.0       | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 1RB#0            | 3000~18000      | -33.02       | -25.0       | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 1RB#0            | 18000~27000     | -40.79       | -25.0       | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 1RB#0            | 30~1000         | -64.13       | -35.0       | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 1RB#0            | 1000~3000       | -49.14       | -25.0       | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 1RB#0            | 3000~18000      | -32.73       | -25.0       | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 1RB#0            | 18000~27000     | -40.67       | -25.0       | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 1RB#0            | 30~1000         | -65.64       | -35.0       | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 1RB#0            | 1000~3000       | -49.18       | -25.0       | PASS    |



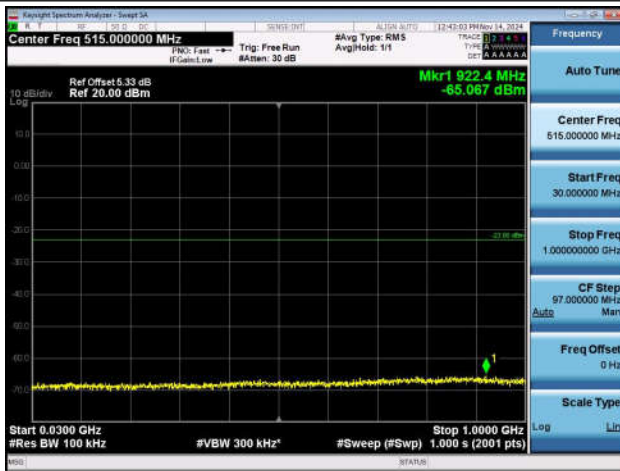
|                 |       |      |       |       |             |        |       |      |
|-----------------|-------|------|-------|-------|-------------|--------|-------|------|
| Band7           | 20MHz | QPSK | 21350 | 1RB#0 | 3000~18000  | -32.88 | -25.0 | PASS |
| Band7           | 20MHz | QPSK | 21350 | 1RB#0 | 18000~27000 | -40.73 | -25.0 | PASS |
| Band12          | 10MHz | QPSK | 23060 | 1RB#0 | 30~1000     | -65.62 | -13.0 | PASS |
| Band12          | 10MHz | QPSK | 23060 | 1RB#0 | 1000~3000   | -35.69 | -13.0 | PASS |
| Band12          | 10MHz | QPSK | 23060 | 1RB#0 | 3000~10000  | -37.34 | -13.0 | PASS |
| Band12          | 10MHz | QPSK | 23095 | 1RB#0 | 30~1000     | -65.49 | -13.0 | PASS |
| Band12          | 10MHz | QPSK | 23095 | 1RB#0 | 1000~3000   | -48.17 | -13.0 | PASS |
| Band12          | 10MHz | QPSK | 23095 | 1RB#0 | 3000~10000  | -37.48 | -13.0 | PASS |
| Band12          | 10MHz | QPSK | 23130 | 1RB#0 | 30~1000     | -65.63 | -13.0 | PASS |
| Band12          | 10MHz | QPSK | 23130 | 1RB#0 | 1000~3000   | -47.78 | -13.0 | PASS |
| Band12          | 10MHz | QPSK | 23130 | 1RB#0 | 3000~10000  | -37.56 | -13.0 | PASS |
| Band13          | 5MHz  | QPSK | 23205 | 1RB#0 | 30~1000     | -65.10 | -13.0 | PASS |
| Band13          | 5MHz  | QPSK | 23205 | 1RB#0 | 1000~3000   | -47.79 | -13.0 | PASS |
| Band13          | 5MHz  | QPSK | 23205 | 1RB#0 | 3000~10000  | -37.57 | -13.0 | PASS |
| Band13          | 5MHz  | QPSK | 23230 | 1RB#0 | 30~1000     | -65.55 | -13.0 | PASS |
| Band13          | 5MHz  | QPSK | 23230 | 1RB#0 | 1000~3000   | -47.26 | -13.0 | PASS |
| Band13          | 5MHz  | QPSK | 23230 | 1RB#0 | 3000~10000  | -37.42 | -13.0 | PASS |
| Band13          | 5MHz  | QPSK | 23255 | 1RB#0 | 30~1000     | -65.01 | -13.0 | PASS |
| Band13          | 5MHz  | QPSK | 23255 | 1RB#0 | 1000~3000   | -48.00 | -13.0 | PASS |
| Band13          | 5MHz  | QPSK | 23255 | 1RB#0 | 3000~10000  | -37.49 | -13.0 | PASS |
| Band13          | 10MHz | QPSK | 23230 | 1RB#0 | 30~1000     | -65.61 | -13.0 | PASS |
| Band13          | 10MHz | QPSK | 23230 | 1RB#0 | 1000~3000   | -47.92 | -13.0 | PASS |
| Band13          | 10MHz | QPSK | 23230 | 1RB#0 | 3000~10000  | -37.37 | -13.0 | PASS |
| Band25          | 20MHz | QPSK | 26140 | 1RB#0 | 30~1000     | -65.64 | -23.0 | PASS |
| Band25          | 20MHz | QPSK | 26140 | 1RB#0 | 1000~3000   | -49.43 | -13.0 | PASS |
| Band25          | 20MHz | QPSK | 26140 | 1RB#0 | 3000~20000  | -28.37 | -13.0 | PASS |
| Band25          | 20MHz | QPSK | 26365 | 1RB#0 | 30~1000     | -65.78 | -23.0 | PASS |
| Band25          | 20MHz | QPSK | 26365 | 1RB#0 | 1000~3000   | -49.42 | -13.0 | PASS |
| Band25          | 20MHz | QPSK | 26365 | 1RB#0 | 3000~20000  | -28.75 | -13.0 | PASS |
| Band25          | 20MHz | QPSK | 26590 | 1RB#0 | 30~1000     | -65.55 | -23.0 | PASS |
| Band25          | 20MHz | QPSK | 26590 | 1RB#0 | 1000~3000   | -38.39 | -13.0 | PASS |
| Band25          | 20MHz | QPSK | 26590 | 1RB#0 | 3000~20000  | -28.32 | -13.0 | PASS |
| Band26(814-824) | 5MHz  | QPSK | 26715 | 1RB#0 | 30~1000     | -65.40 | -13.0 | PASS |
| Band26(814-824) | 5MHz  | QPSK | 26715 | 1RB#0 | 1000~3000   | -48.61 | -13.0 | PASS |
| Band26(814-824) | 5MHz  | QPSK | 26715 | 1RB#0 | 3000~10000  | -37.27 | -13.0 | PASS |
| Band26(814-824) | 5MHz  | QPSK | 26740 | 1RB#0 | 30~1000     | -65.42 | -13.0 | PASS |
| Band26(814-824) | 5MHz  | QPSK | 26740 | 1RB#0 | 1000~3000   | -48.38 | -13.0 | PASS |
| Band26(814-824) | 5MHz  | QPSK | 26740 | 1RB#0 | 3000~10000  | -37.28 | -13.0 | PASS |
| Band26(814-824) | 5MHz  | QPSK | 26765 | 1RB#0 | 30~1000     | -65.51 | -13.0 | PASS |
| Band26(814-824) | 5MHz  | QPSK | 26765 | 1RB#0 | 1000~3000   | -48.35 | -13.0 | PASS |
| Band26(814-824) | 5MHz  | QPSK | 26765 | 1RB#0 | 3000~10000  | -37.17 | -13.0 | PASS |
| Band26(814-824) | 10MHz | QPSK | 26740 | 1RB#0 | 30~1000     | -65.60 | -13.0 | PASS |
| Band26(814-824) | 10MHz | QPSK | 26740 | 1RB#0 | 1000~3000   | -48.34 | -13.0 | PASS |



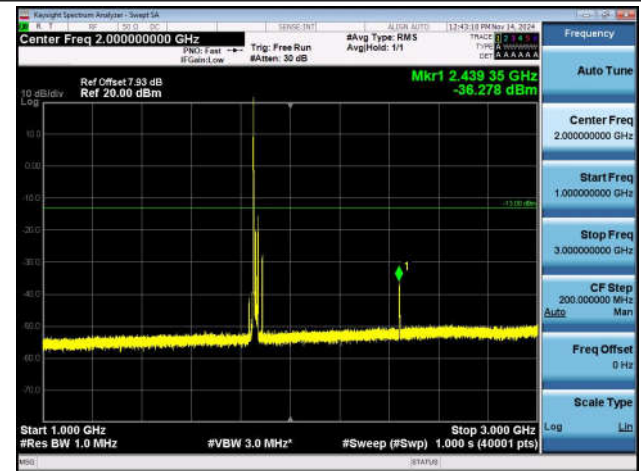
|                 |       |      |       |       |             |        |       |      |
|-----------------|-------|------|-------|-------|-------------|--------|-------|------|
| Band26(814-824) | 10MHz | QPSK | 26740 | 1RB#0 | 3000~10000  | -37.13 | -13.0 | PASS |
| Band26(824-849) | 15MHz | QPSK | 26865 | 1RB#0 | 30~1000     | -65.52 | -13.0 | PASS |
| Band26(824-849) | 15MHz | QPSK | 26865 | 1RB#0 | 1000~3000   | -48.36 | -13.0 | PASS |
| Band26(824-849) | 15MHz | QPSK | 26865 | 1RB#0 | 3000~10000  | -37.01 | -13.0 | PASS |
| Band26(824-849) | 15MHz | QPSK | 26915 | 1RB#0 | 30~1000     | -65.94 | -13.0 | PASS |
| Band26(824-849) | 15MHz | QPSK | 26915 | 1RB#0 | 1000~3000   | -48.16 | -13.0 | PASS |
| Band26(824-849) | 15MHz | QPSK | 26915 | 1RB#0 | 3000~10000  | -37.75 | -13.0 | PASS |
| Band26(824-849) | 15MHz | QPSK | 26965 | 1RB#0 | 30~1000     | -66.03 | -13.0 | PASS |
| Band26(824-849) | 15MHz | QPSK | 26965 | 1RB#0 | 1000~3000   | -48.23 | -13.0 | PASS |
| Band26(824-849) | 15MHz | QPSK | 26965 | 1RB#0 | 3000~10000  | -37.49 | -13.0 | PASS |
| Band41          | 20MHz | QPSK | 39750 | 1RB#0 | 30~1000     | -65.72 | -35.0 | PASS |
| Band41          | 20MHz | QPSK | 39750 | 1RB#0 | 1000~3000   | -49.06 | -25.0 | PASS |
| Band41          | 20MHz | QPSK | 39750 | 1RB#0 | 3000~18000  | -32.76 | -25.0 | PASS |
| Band41          | 20MHz | QPSK | 39750 | 1RB#0 | 18000~27000 | -40.72 | -25.0 | PASS |
| Band41          | 20MHz | QPSK | 40620 | 1RB#0 | 30~1000     | -65.90 | -35.0 | PASS |
| Band41          | 20MHz | QPSK | 40620 | 1RB#0 | 1000~3000   | -48.73 | -25.0 | PASS |
| Band41          | 20MHz | QPSK | 40620 | 1RB#0 | 3000~18000  | -33.02 | -25.0 | PASS |
| Band41          | 20MHz | QPSK | 40620 | 1RB#0 | 18000~27000 | -40.58 | -25.0 | PASS |
| Band41          | 20MHz | QPSK | 41490 | 1RB#0 | 30~1000     | -64.68 | -35.0 | PASS |
| Band41          | 20MHz | QPSK | 41490 | 1RB#0 | 1000~3000   | -47.58 | -25.0 | PASS |
| Band41          | 20MHz | QPSK | 41490 | 1RB#0 | 3000~18000  | -33.23 | -25.0 | PASS |
| Band41          | 20MHz | QPSK | 41490 | 1RB#0 | 18000~27000 | -40.49 | -25.0 | PASS |

## Test Graphs

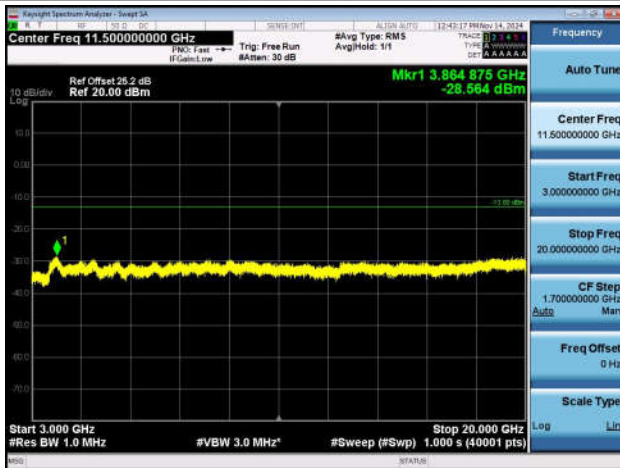
Band2\_20MHz\_QPSK\_18700\_1RB#0\_30~1000\_30~1000



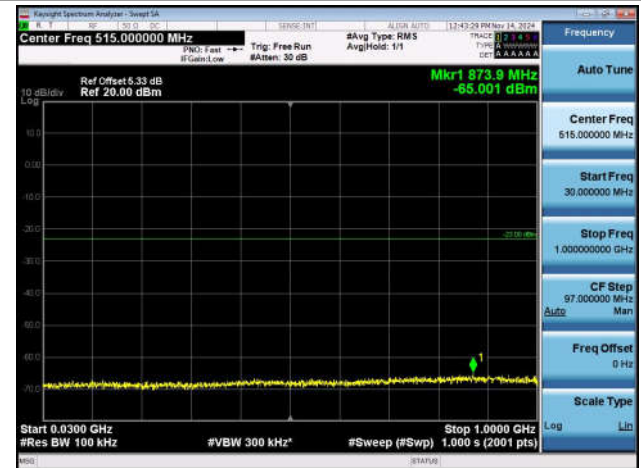
Band2\_20MHz\_QPSK\_18700\_1RB#0\_1000~3000\_1000~3000



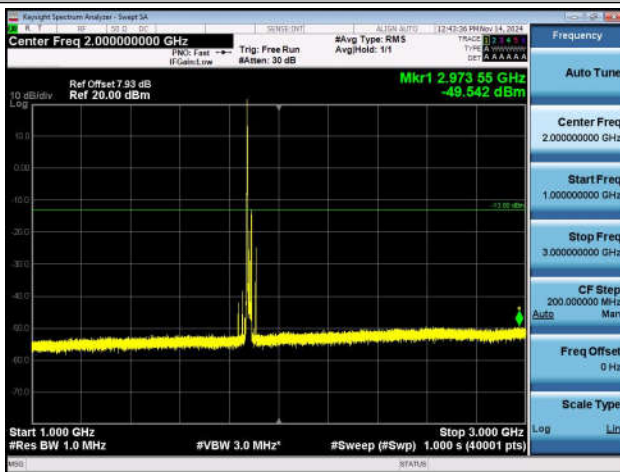
Band2\_20MHz\_QPSK\_18700\_1RB#0\_3000~20000\_3000~20000



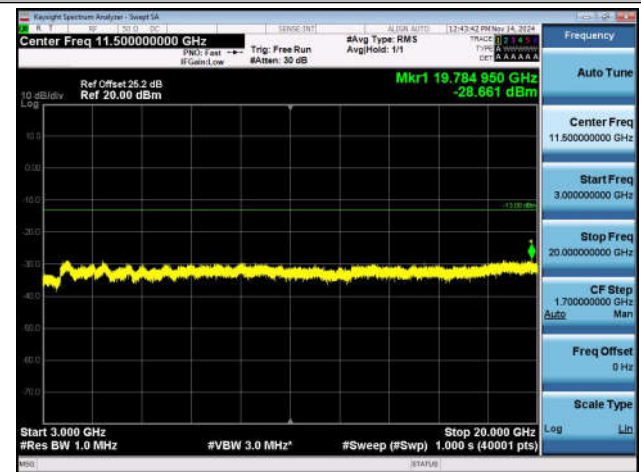
Band2\_20MHz\_QPSK\_18900\_1RB#0\_30~1000\_30~1000



Band2\_20MHz\_QPSK\_18900\_1RB#0\_1000~3000\_1000~3000



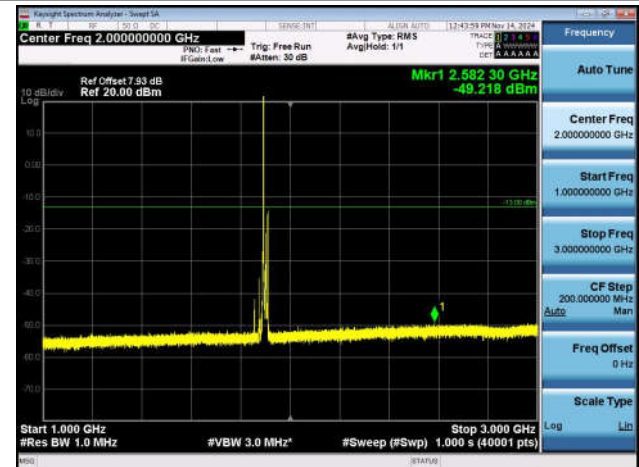
Band2\_20MHz\_QPSK\_18900\_1RB#0\_3000~20000\_3000~20000



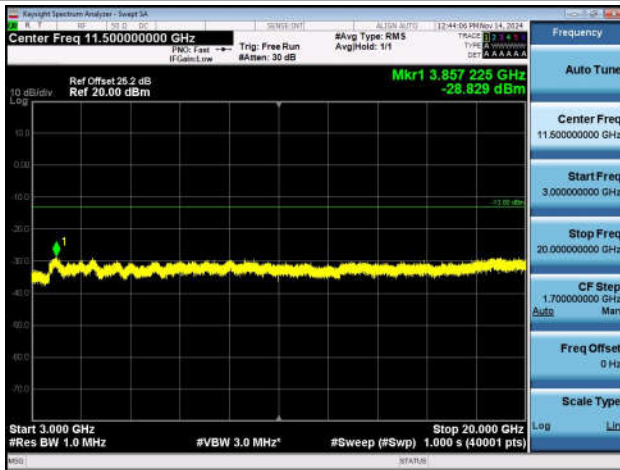
Band2\_20MHz\_QPSK\_19100\_1RB#0\_30~1000\_30~1000



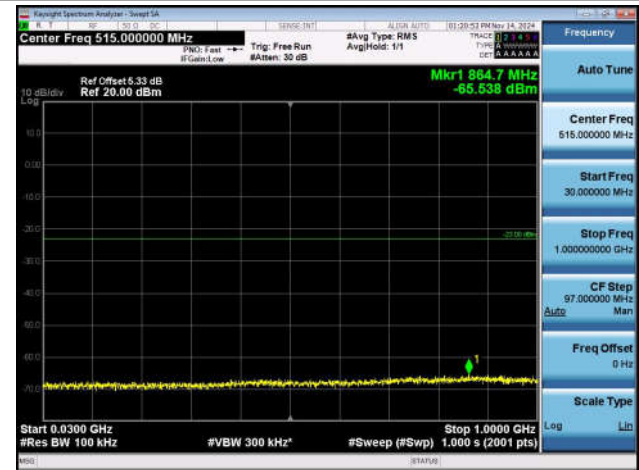
Band2\_20MHz\_QPSK\_19100\_1RB#0\_1000~3000\_1000~3000



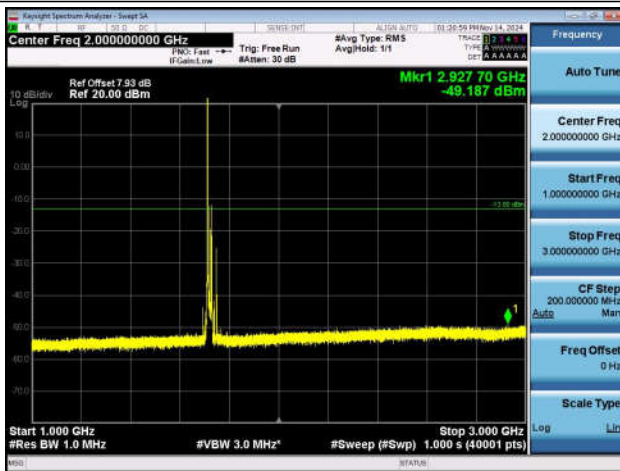
Band2\_20MHz\_QPSK\_19100\_1RB#0\_3000~20000\_3000~20000



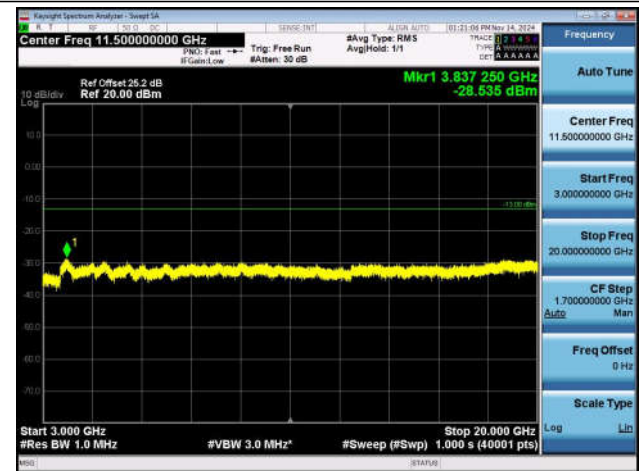
Band4\_20MHz\_QPSK\_20050\_1RB#0\_30~1000\_30~1000



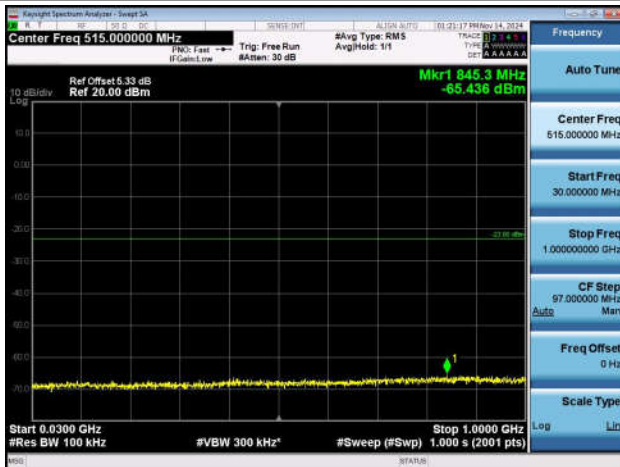
Band4\_20MHz\_QPSK\_20050\_1RB#0\_1000~3000\_1000~3000



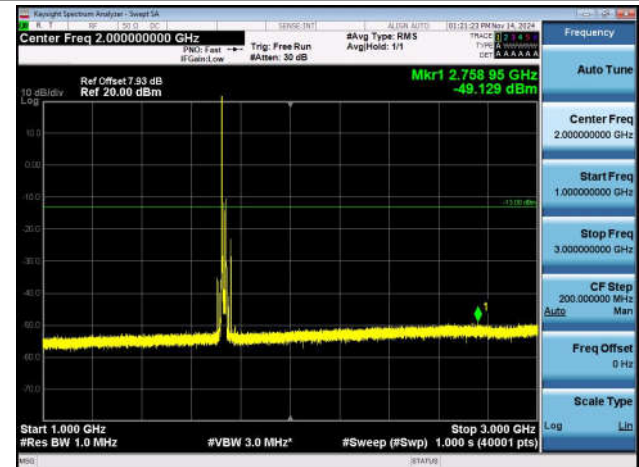
Band4\_20MHz\_QPSK\_20050\_1RB#0\_3000~20000\_3000~20000



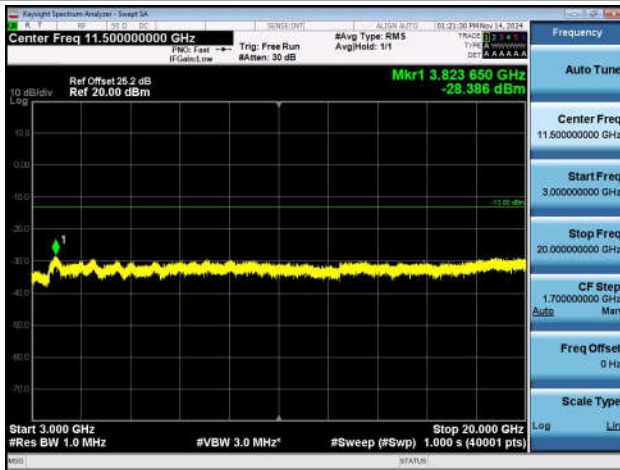
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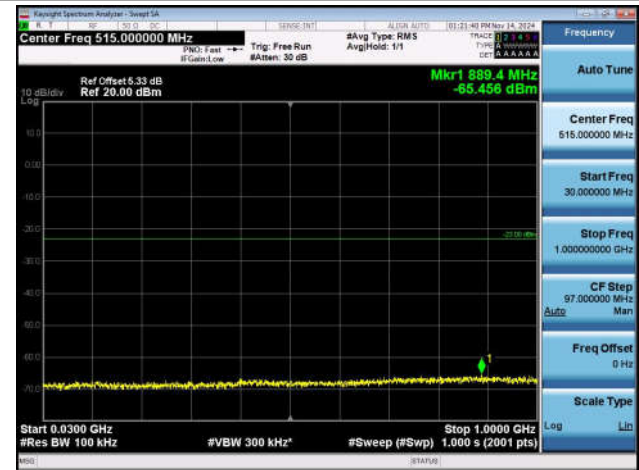
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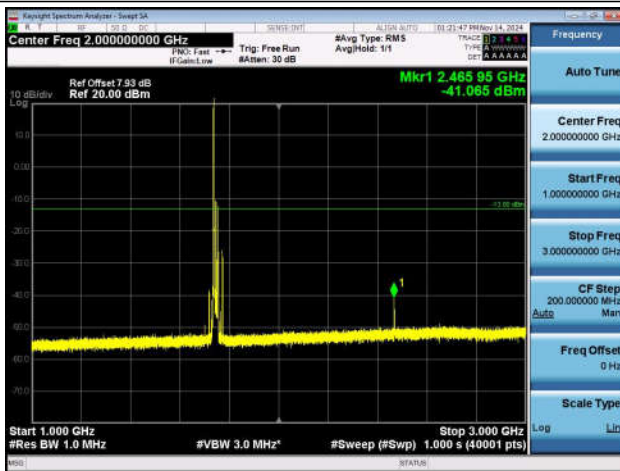
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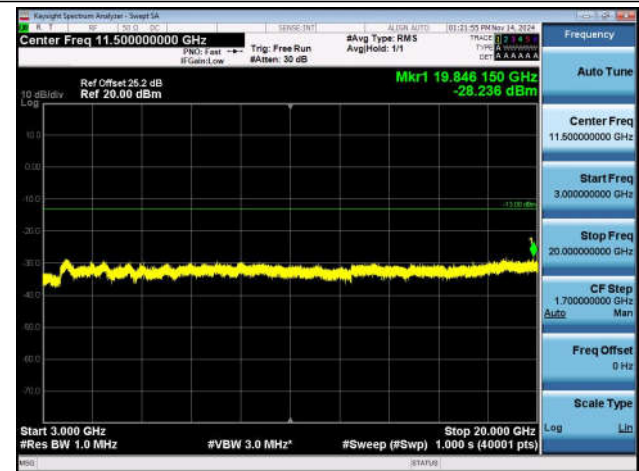
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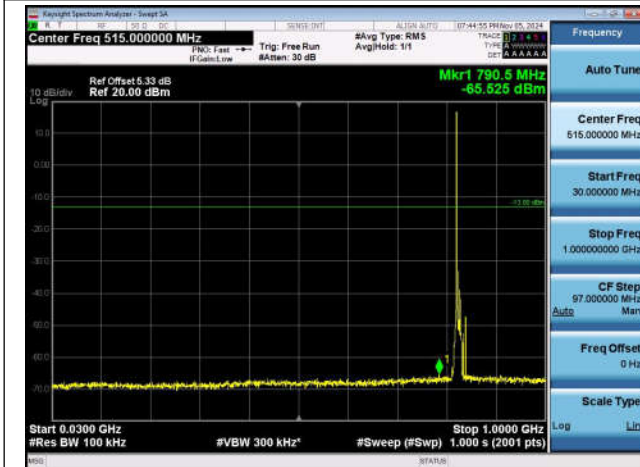
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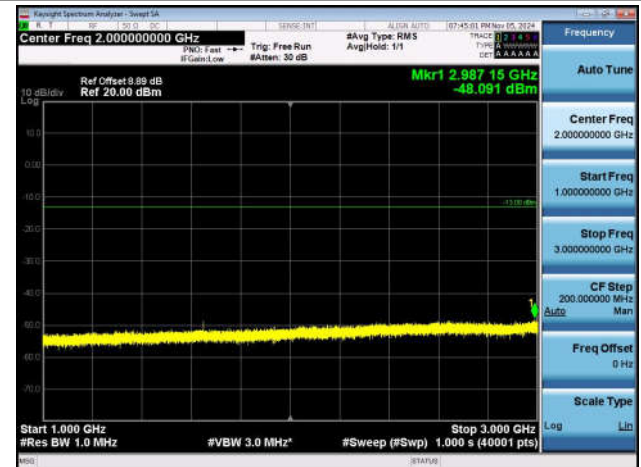
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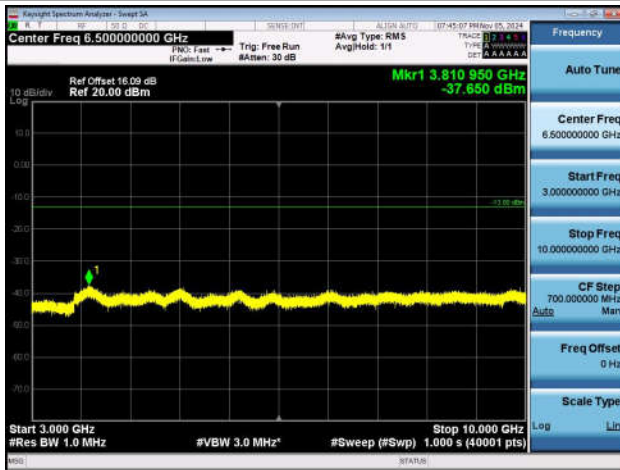
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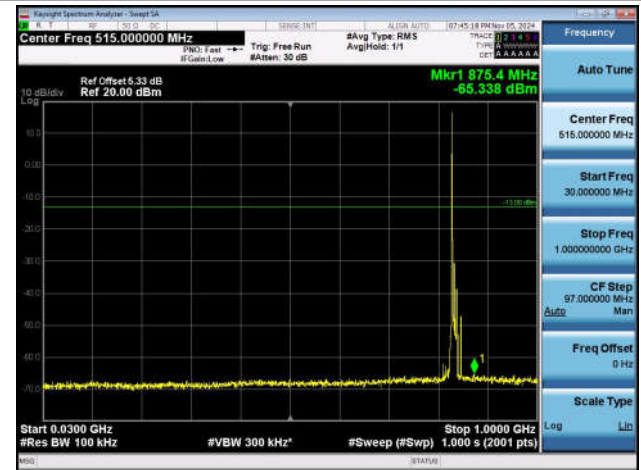
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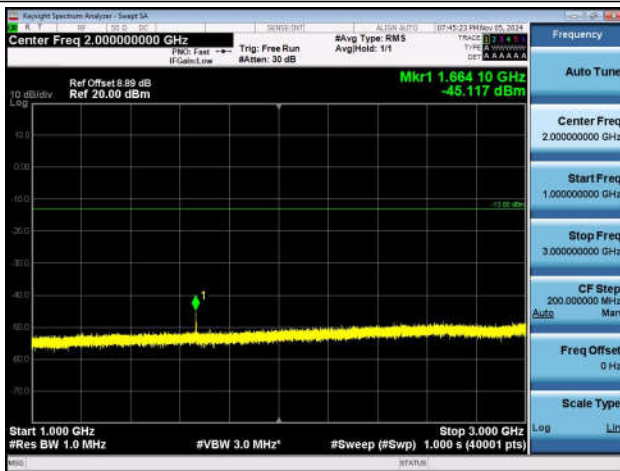
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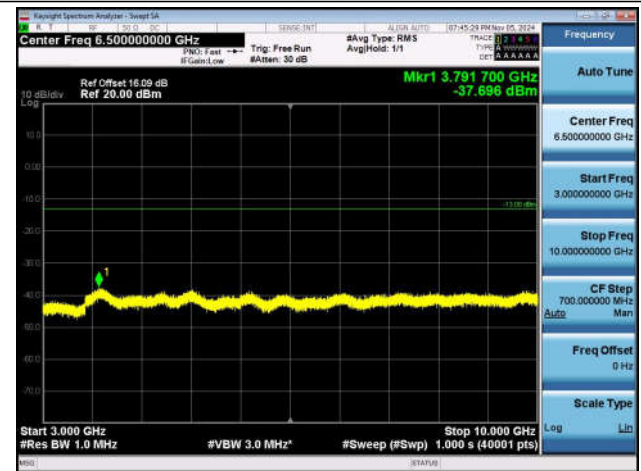
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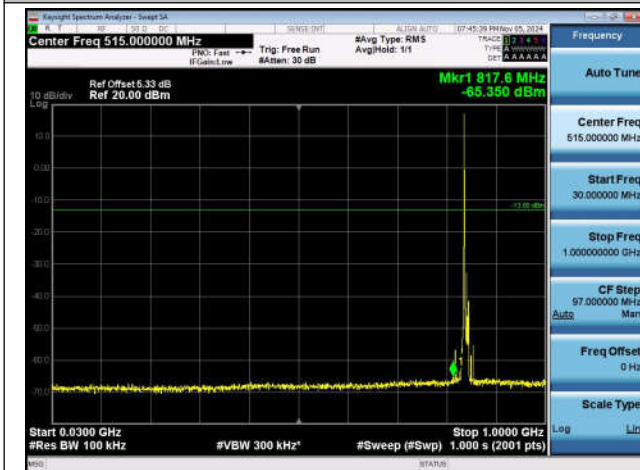
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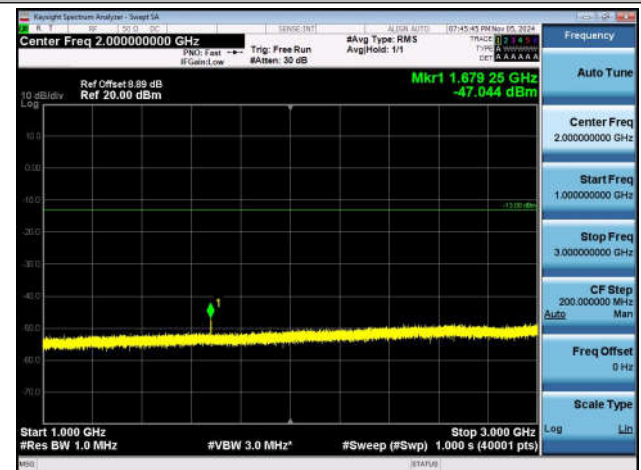
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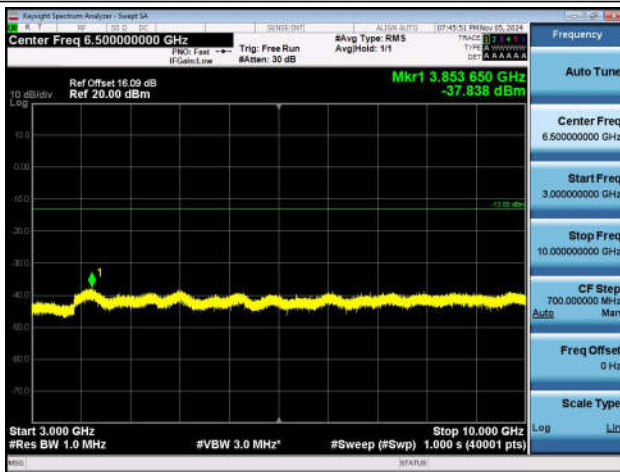
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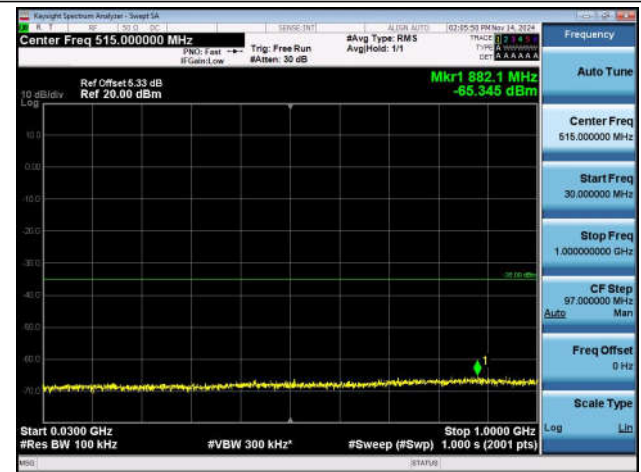
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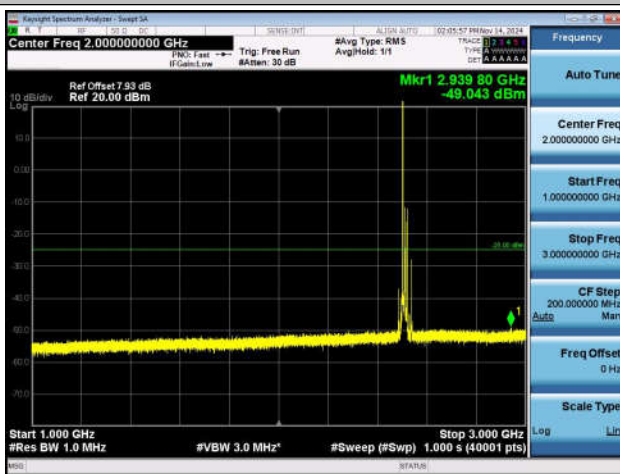
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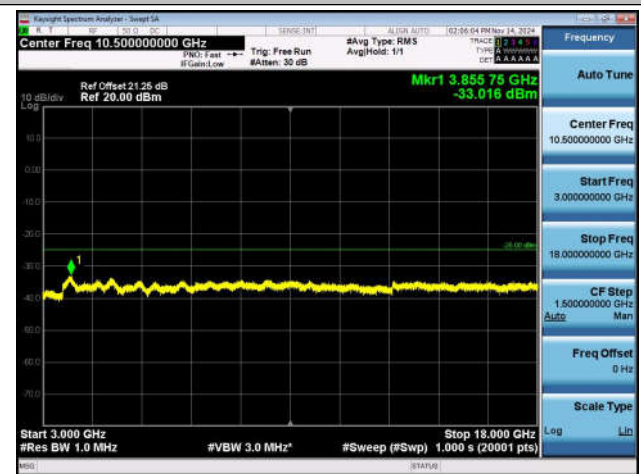
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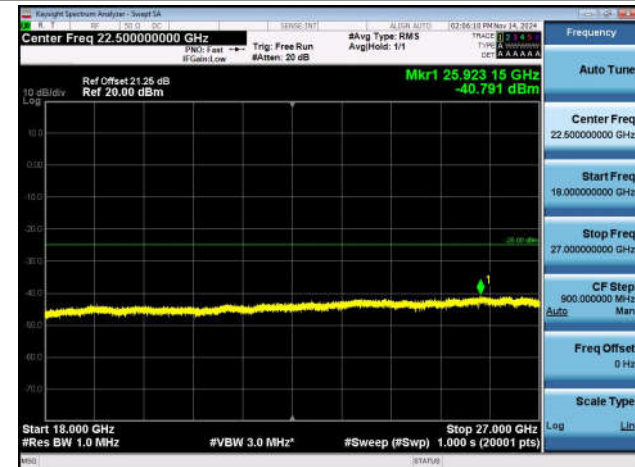
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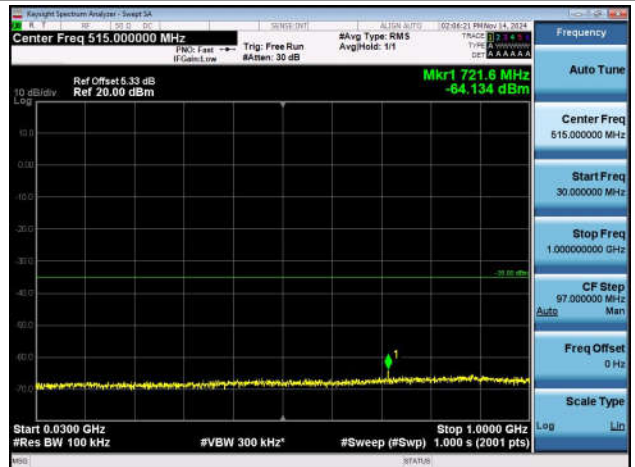
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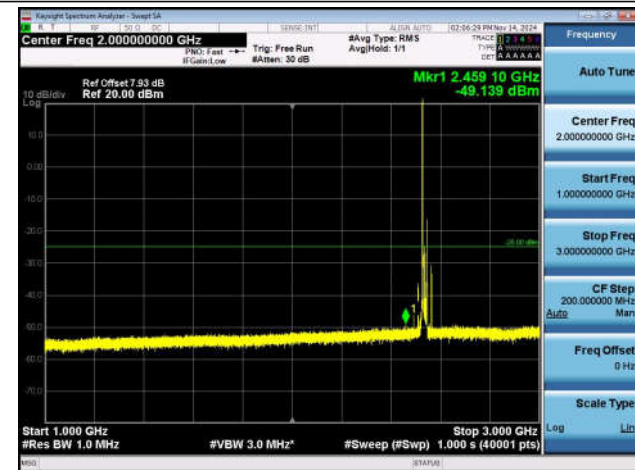
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Band7\_20MHz\_QPSK\_21100\_1RB#0\_30~1000\_30~1000



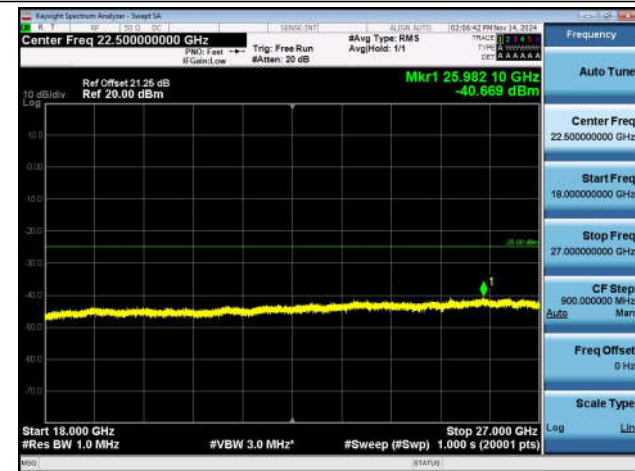
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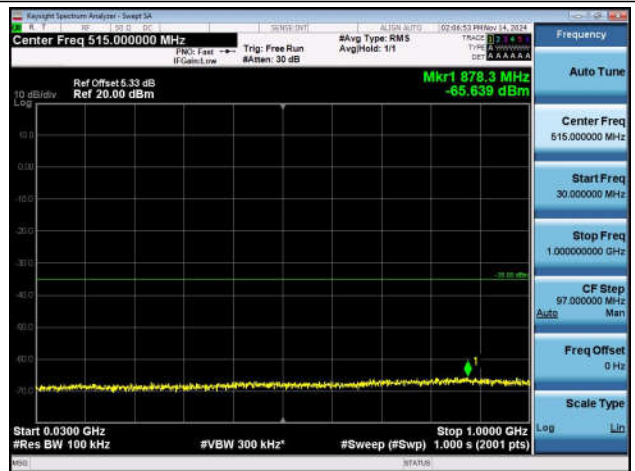
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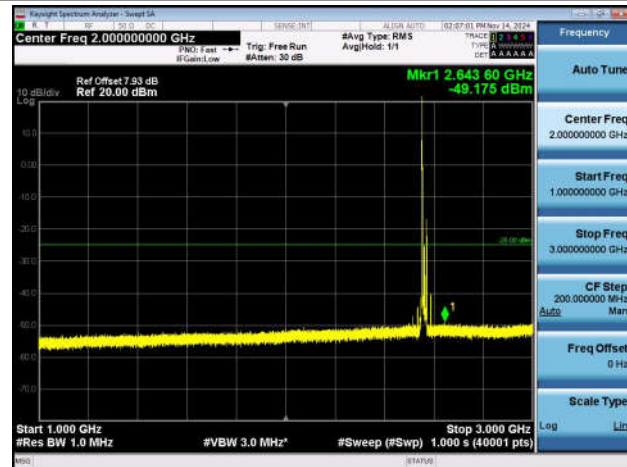
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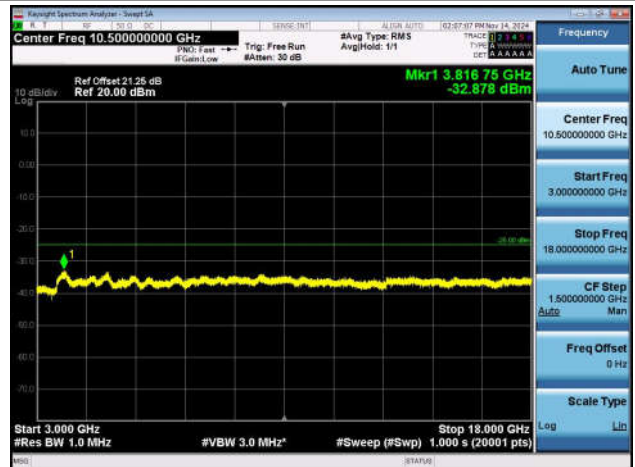
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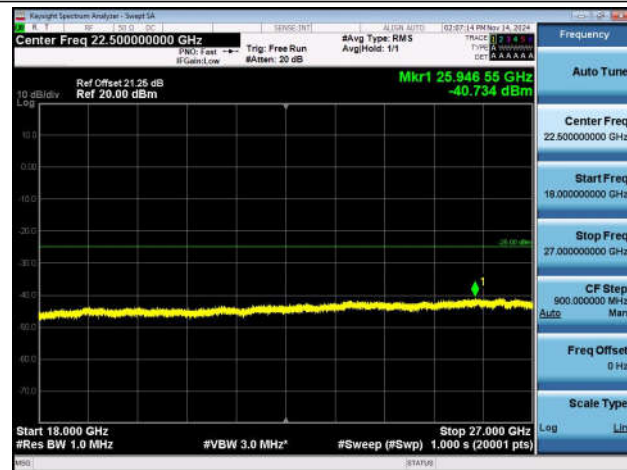
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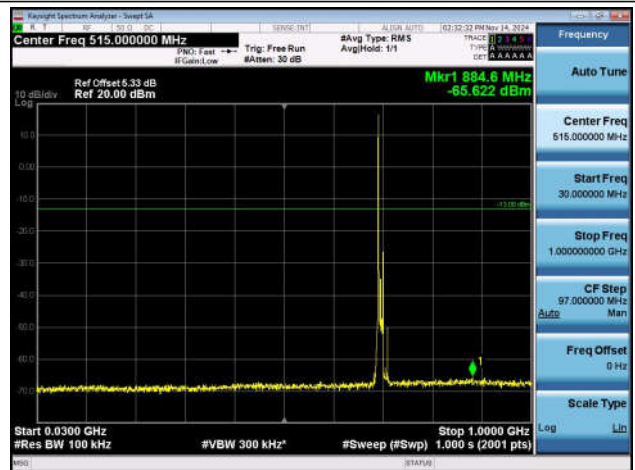
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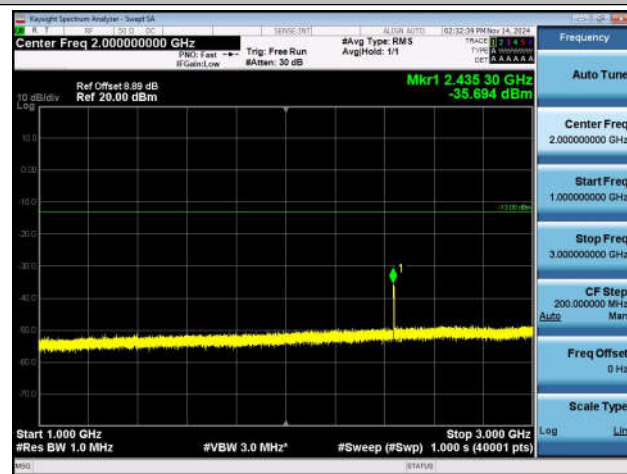
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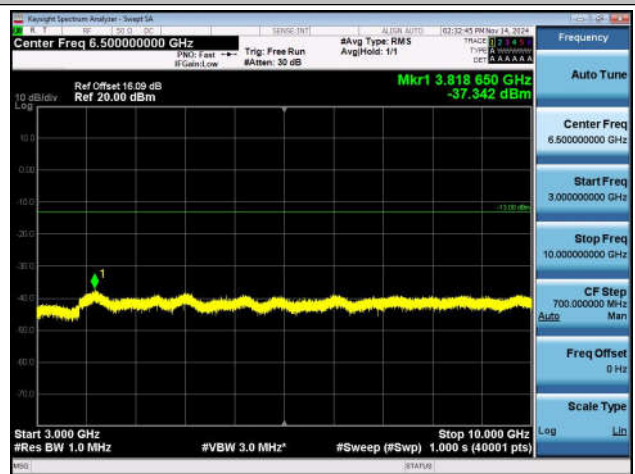
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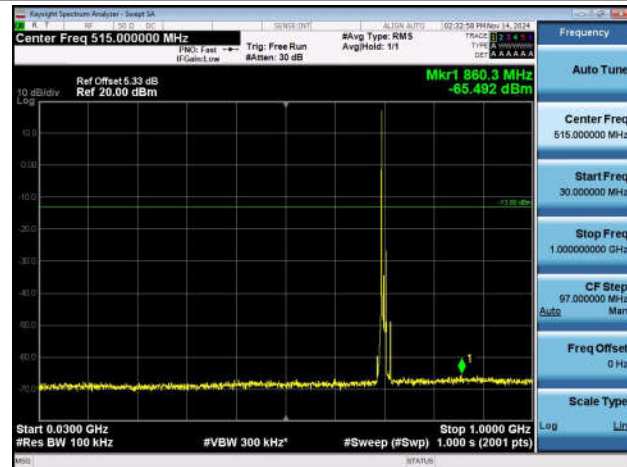
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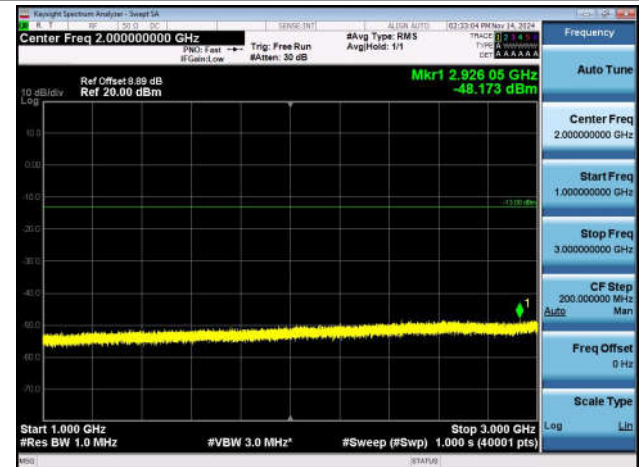
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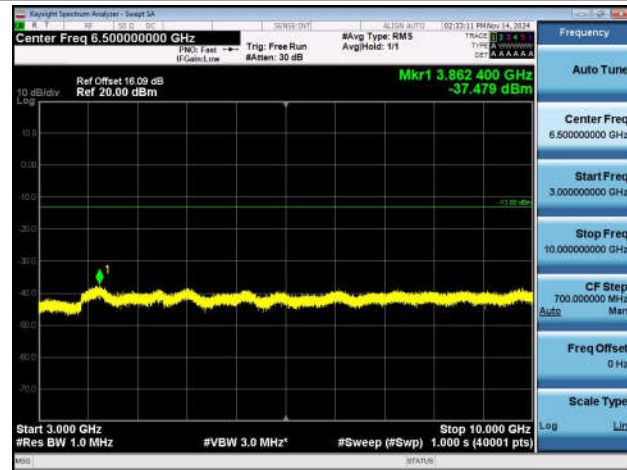
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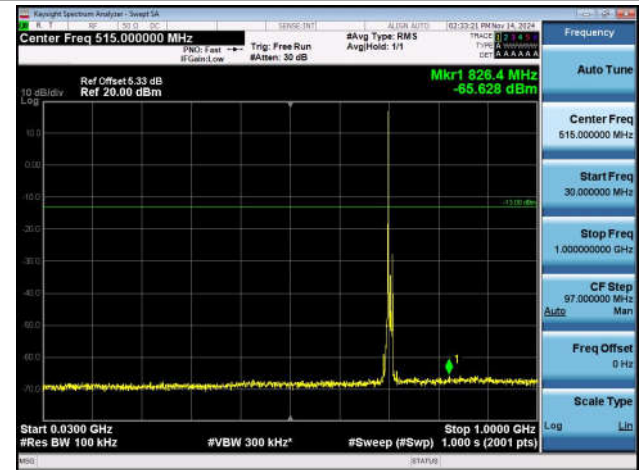
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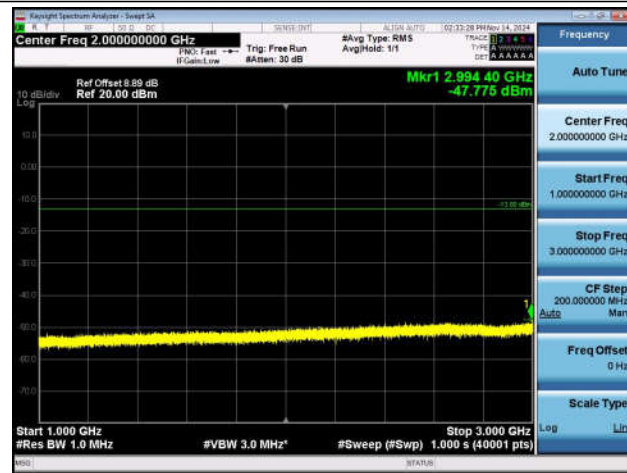
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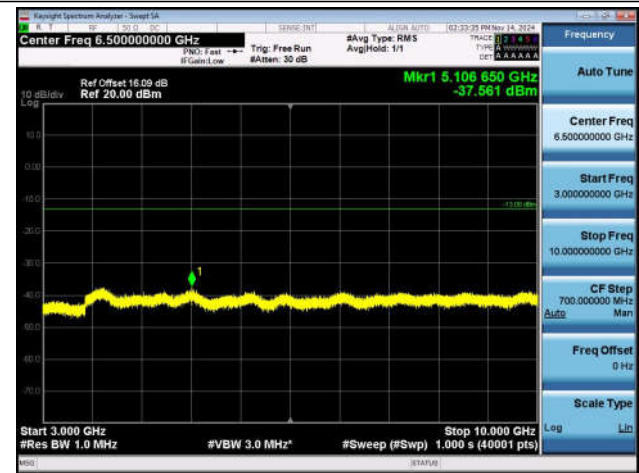
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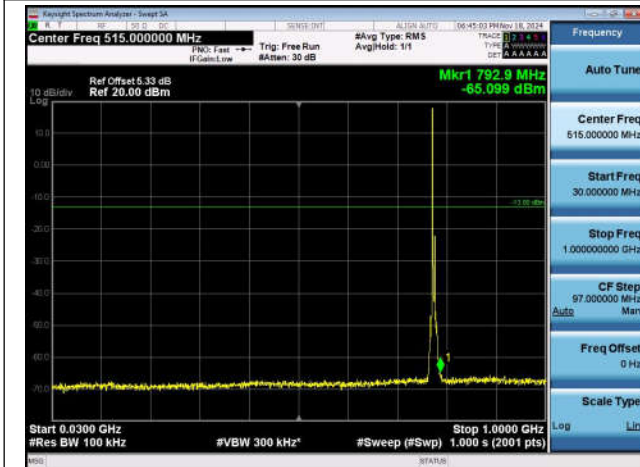
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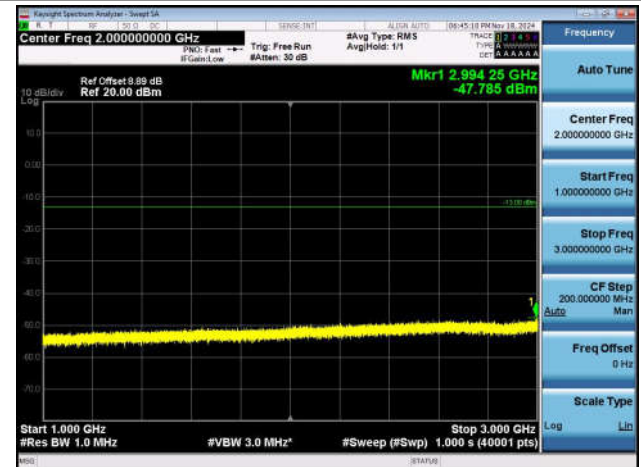
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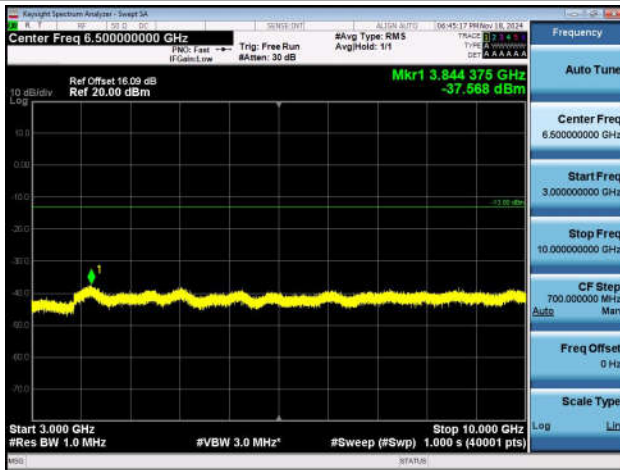
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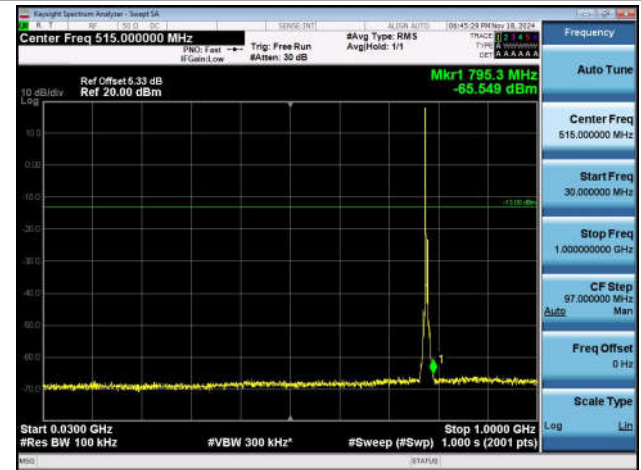
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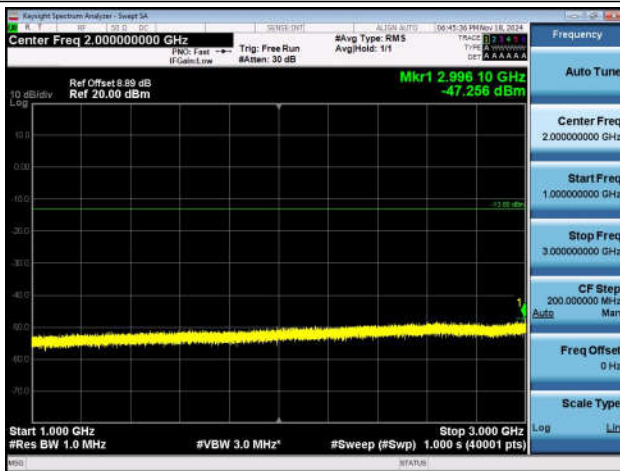
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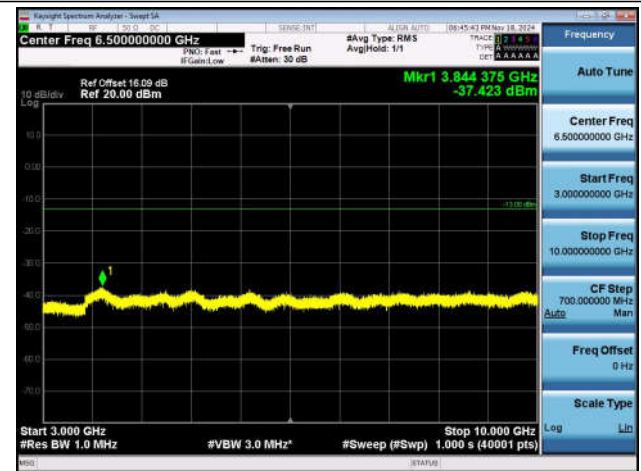
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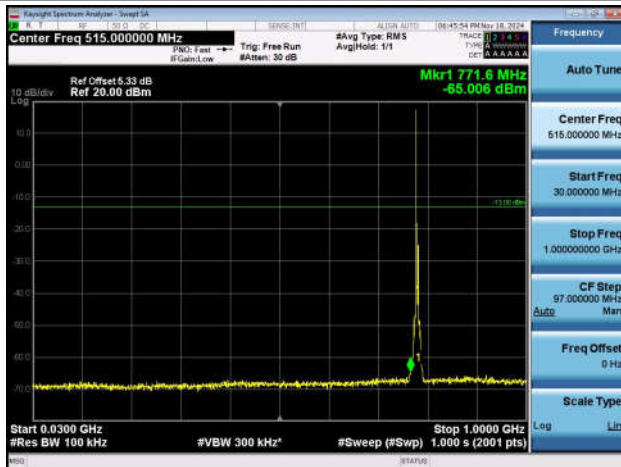
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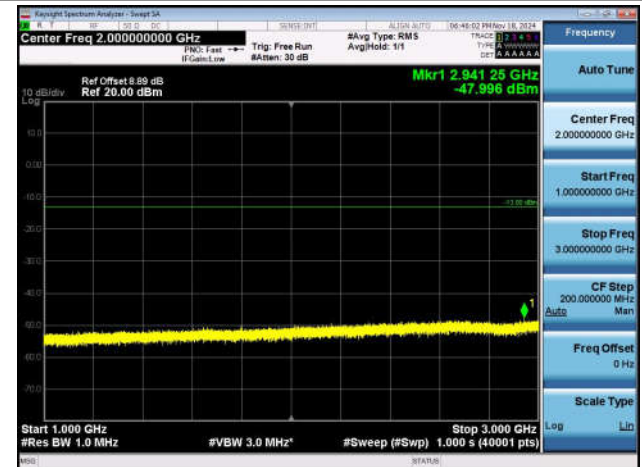
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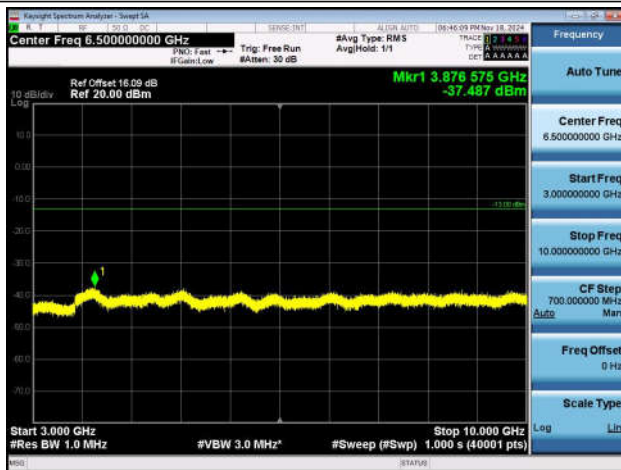
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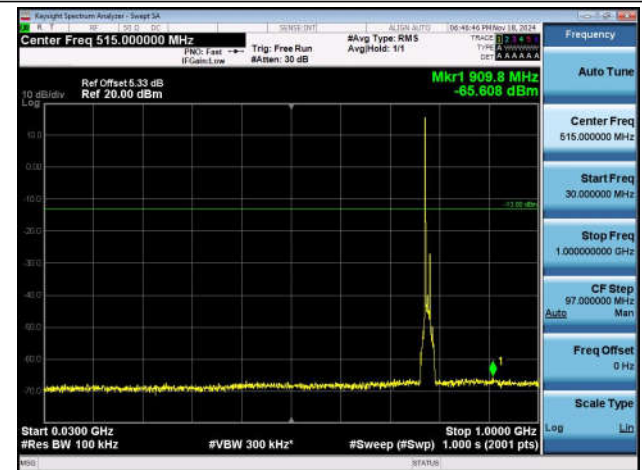
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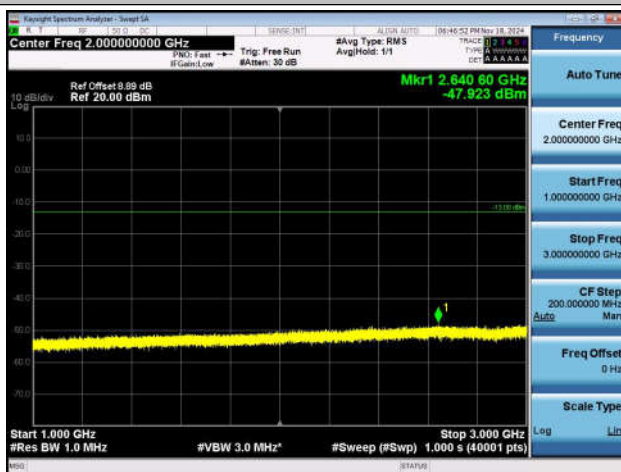
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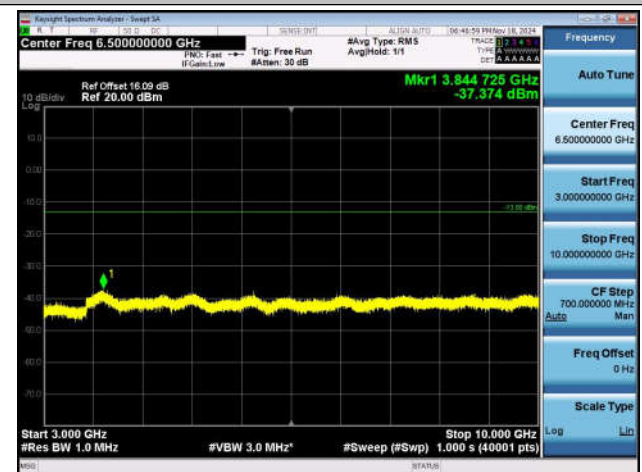
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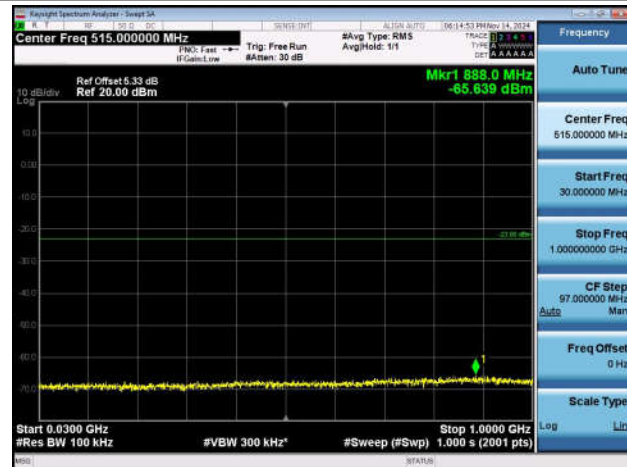
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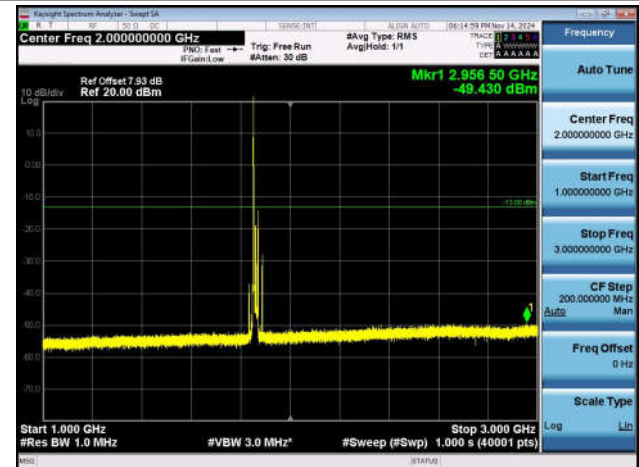
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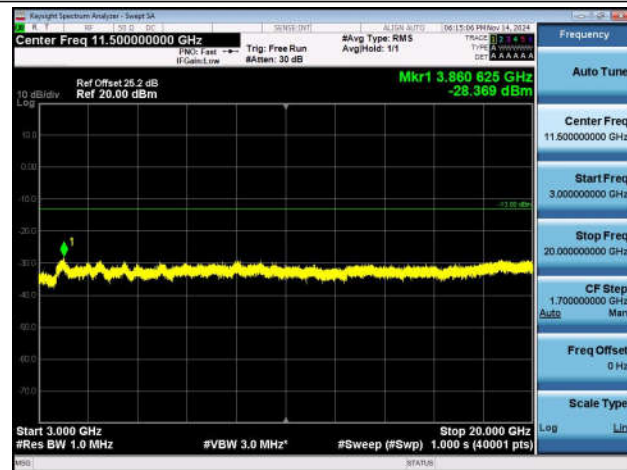
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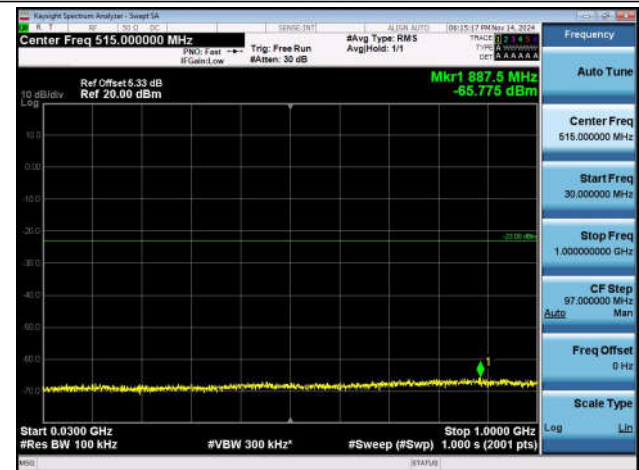
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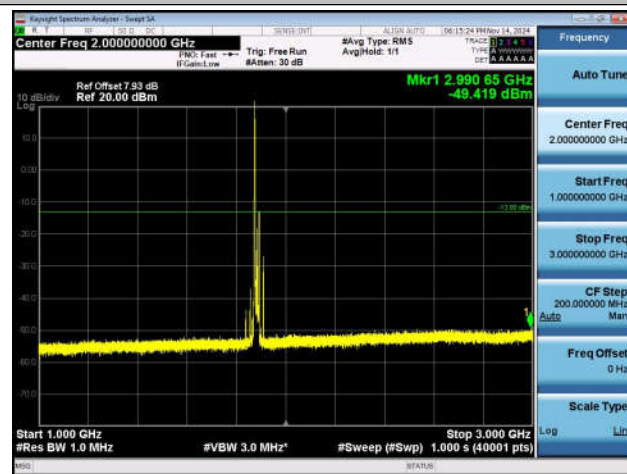
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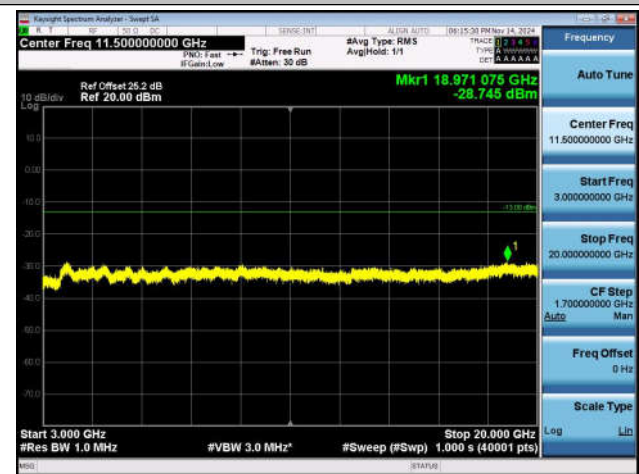
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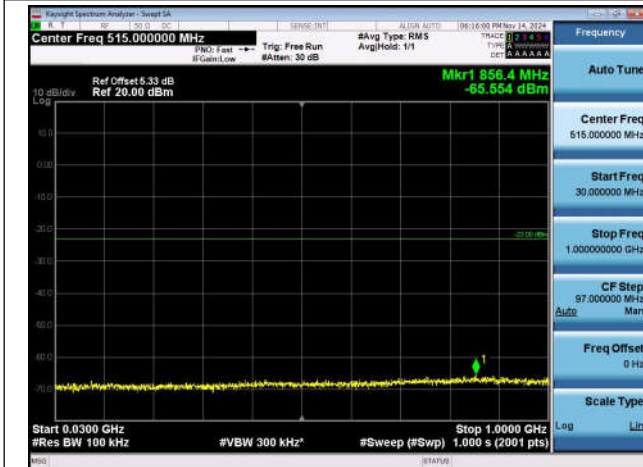
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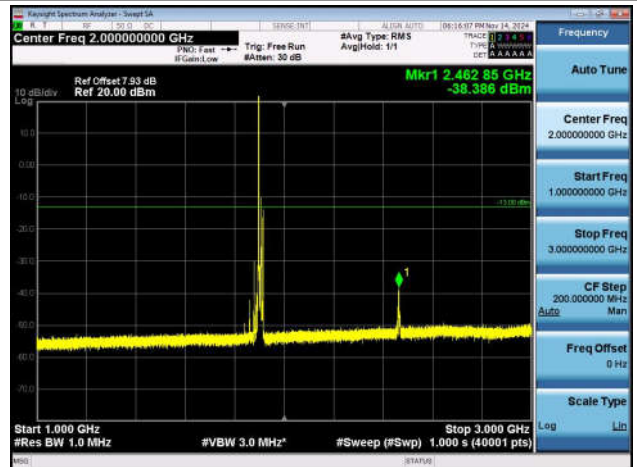
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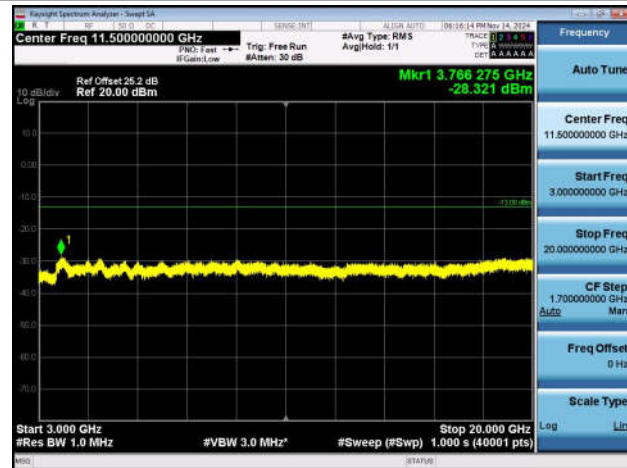
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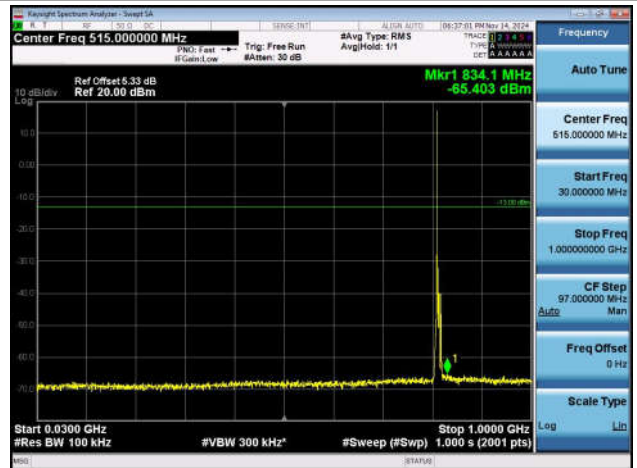
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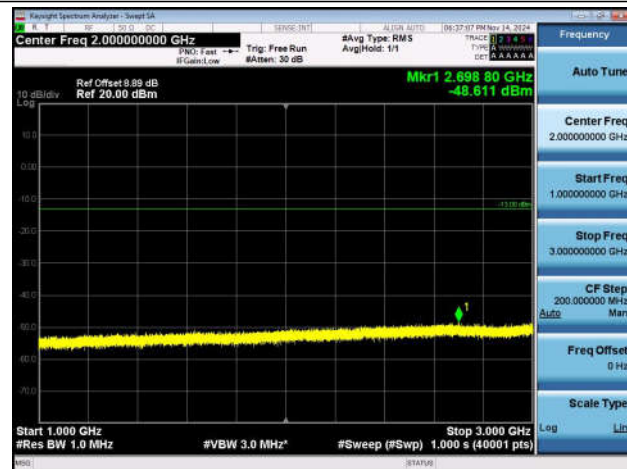
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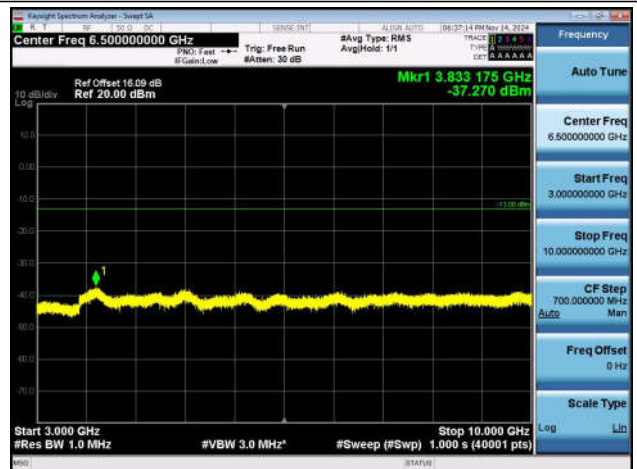
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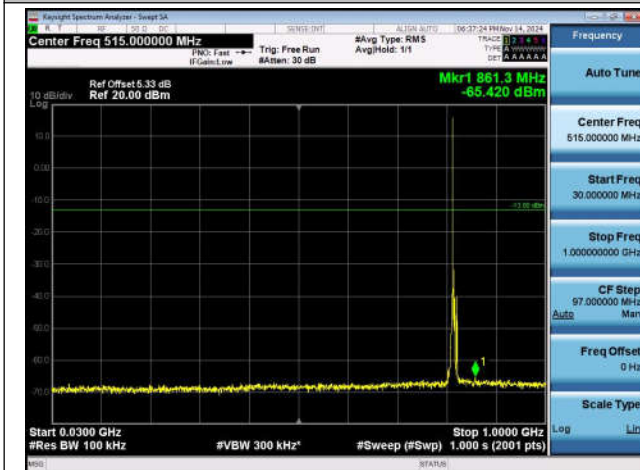
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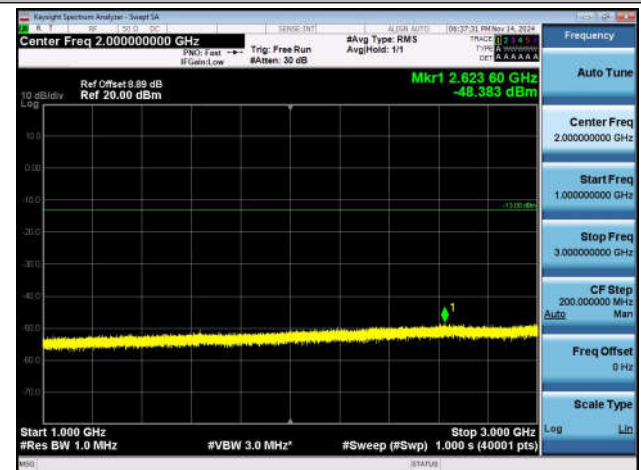
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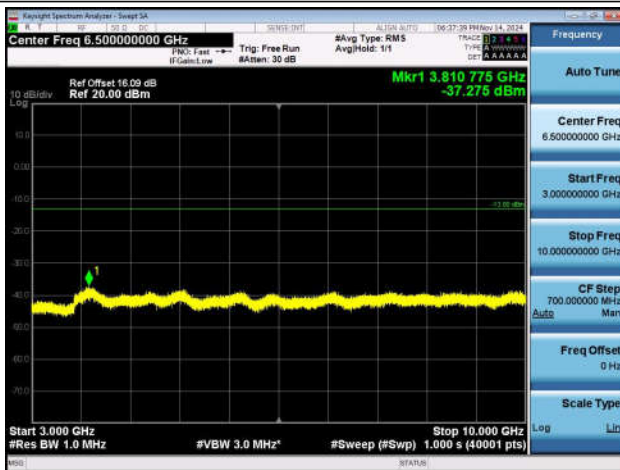
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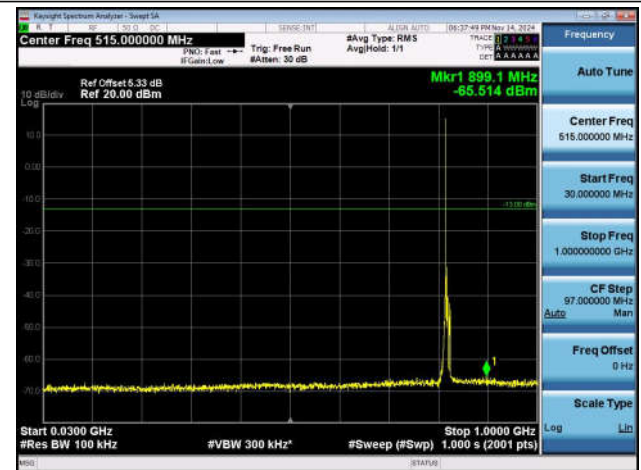
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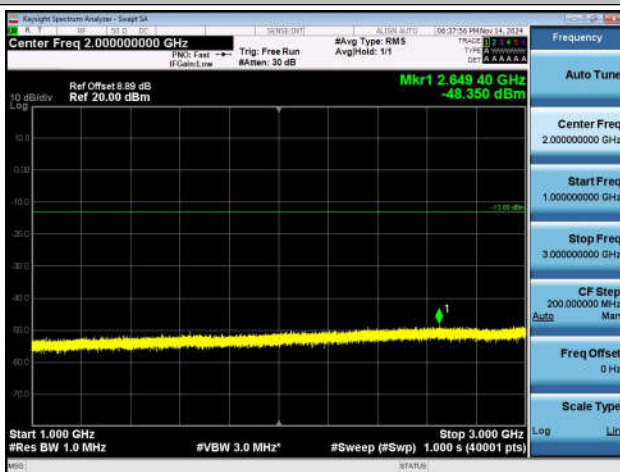
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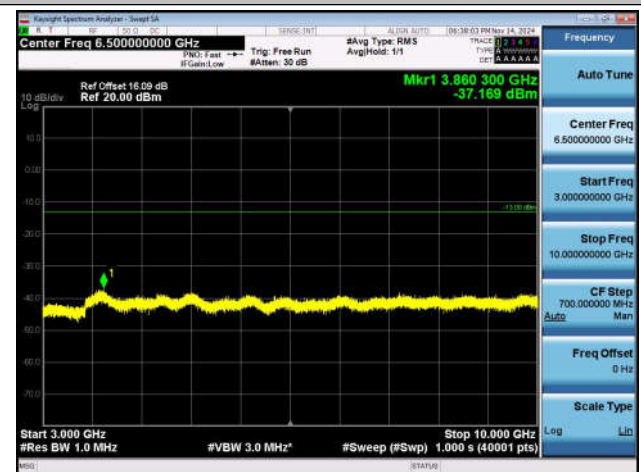
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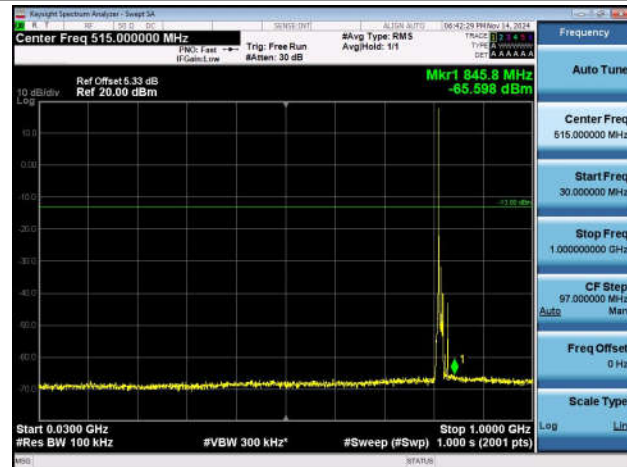
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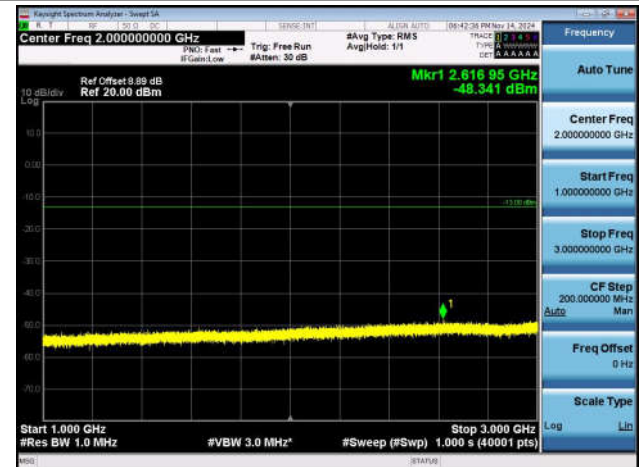
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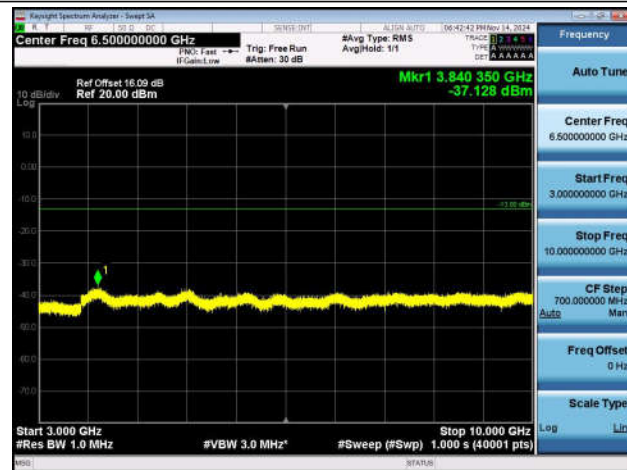
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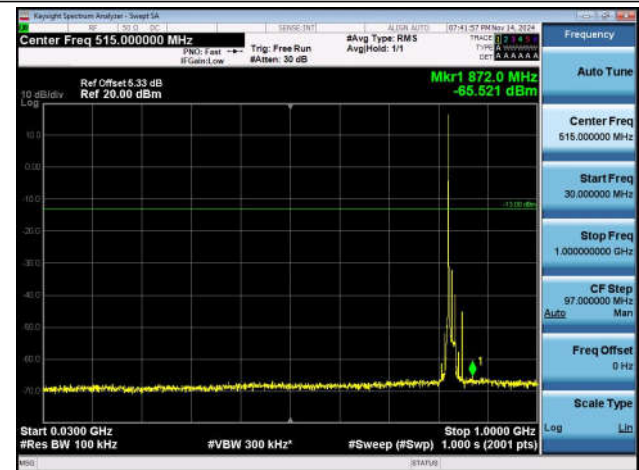
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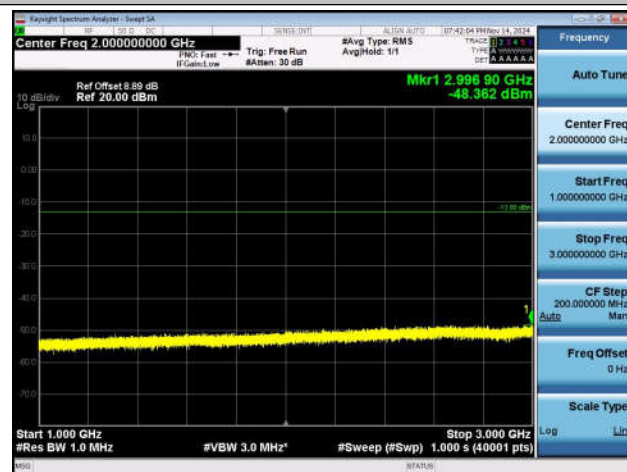
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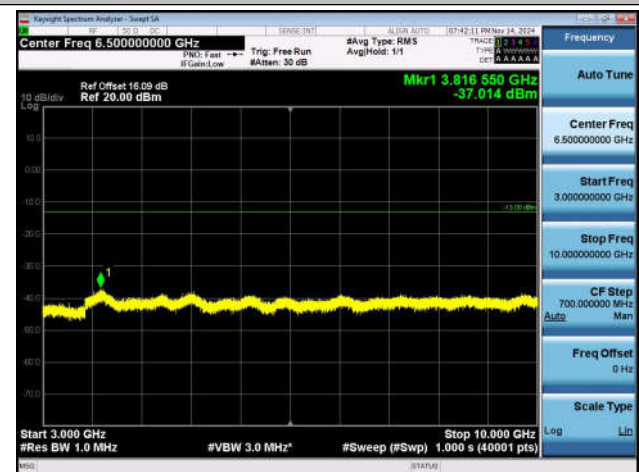
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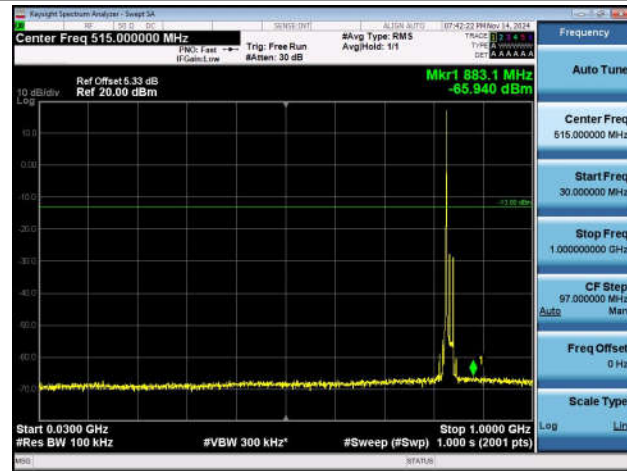
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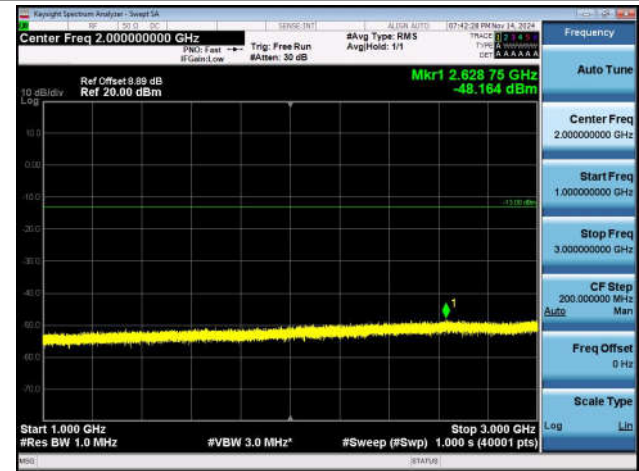
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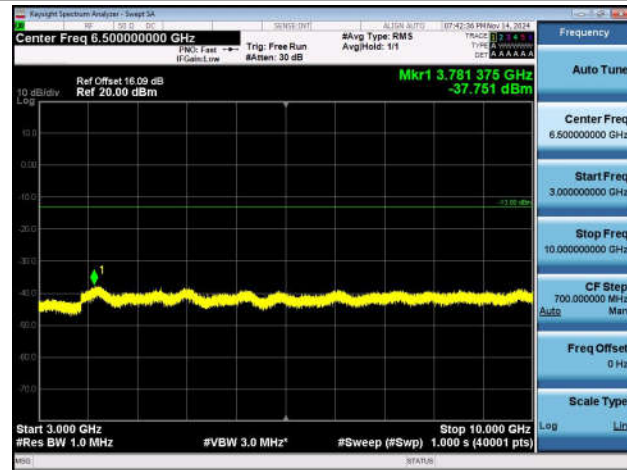
Band26\_15MHz\_QPSK\_26915\_1RB#0\_30~1000\_30~1000



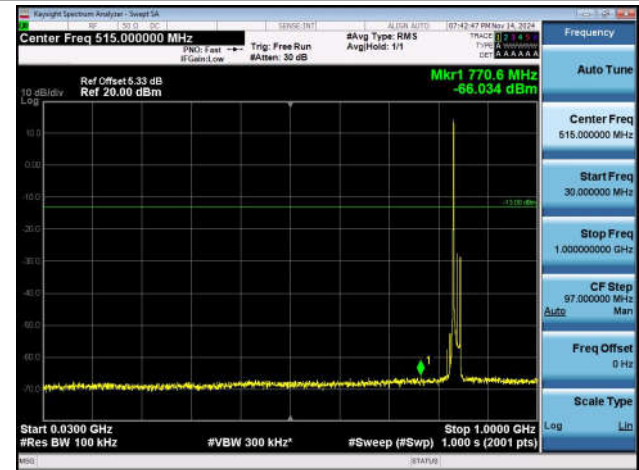
Band26\_15MHz\_QPSK\_26915\_1RB#0\_1000~3000\_1000~3000



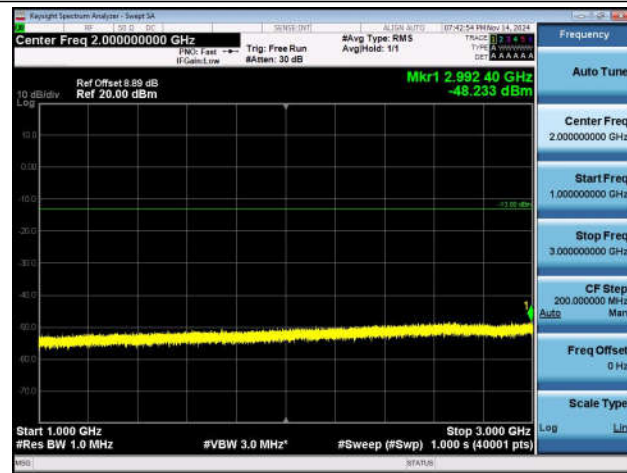
Band26\_15MHz\_QPSK\_26915\_1RB#0\_3000~10000\_3000~10000



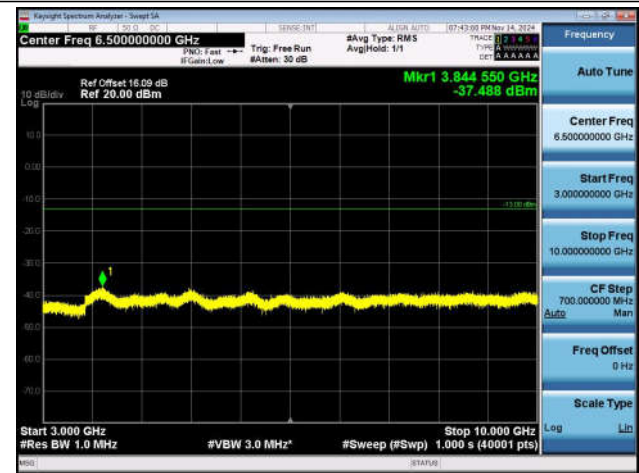
Band26\_15MHz\_QPSK\_26965\_1RB#0\_30~1000\_30~1000



Band26\_15MHz\_QPSK\_26965\_1RB#0\_1000~3000\_1000~3000

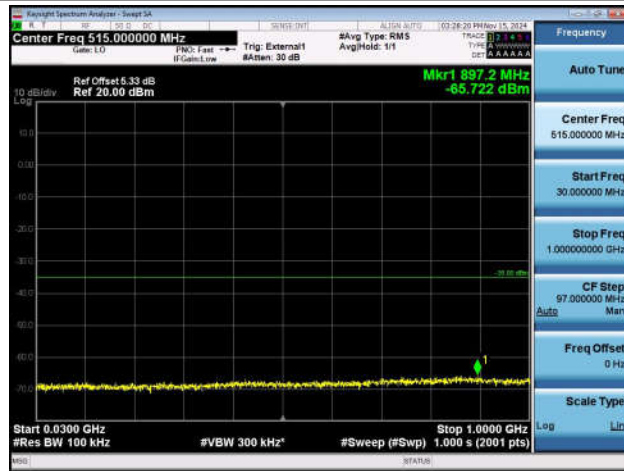


Band26\_15MHz\_QPSK\_26965\_1RB#0\_3000~10000\_3000~10000



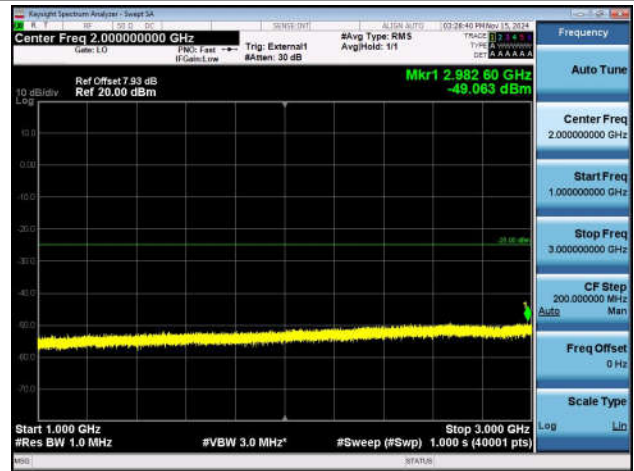
Band41\_20MHz\_QPSK\_39750\_1RB#0\_30~1000\_30~100

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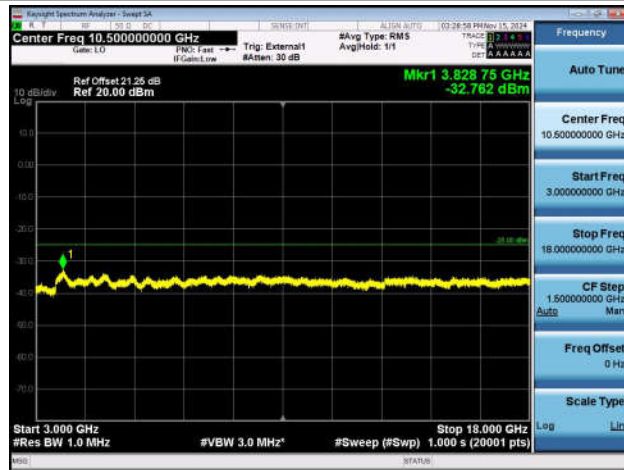
Band41\_20MHz\_QPSK\_39750\_1RB#0\_1000~3000\_1000~3

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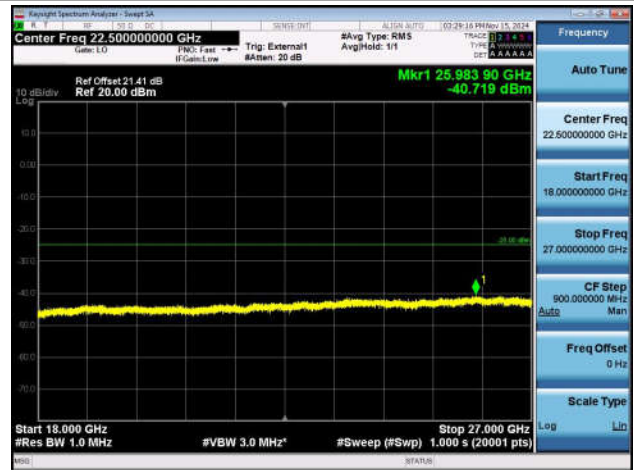
Band41\_20MHz\_QPSK\_39750\_1RB#0\_3000~18000\_300

0~18000



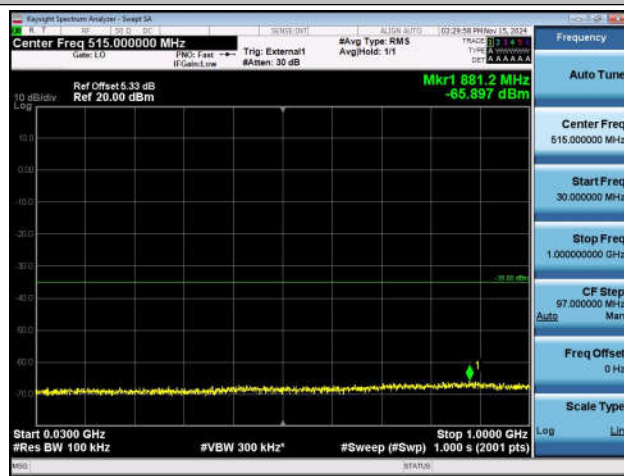
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0~27000



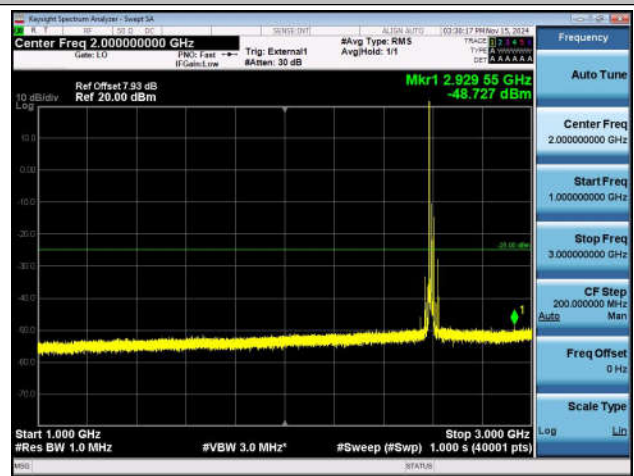
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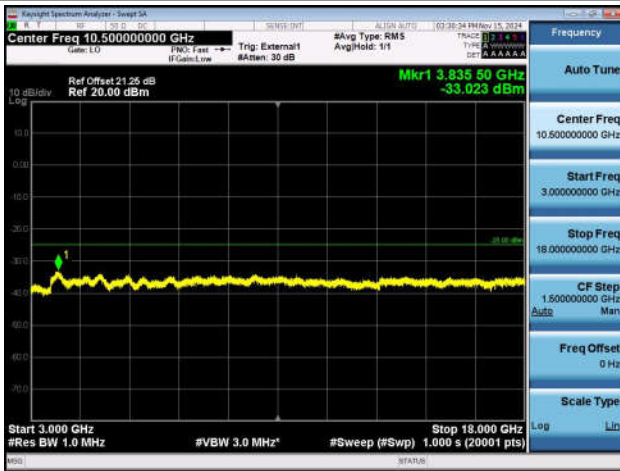


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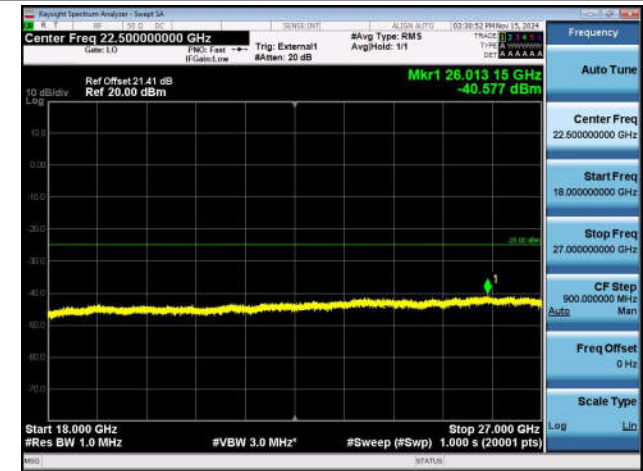
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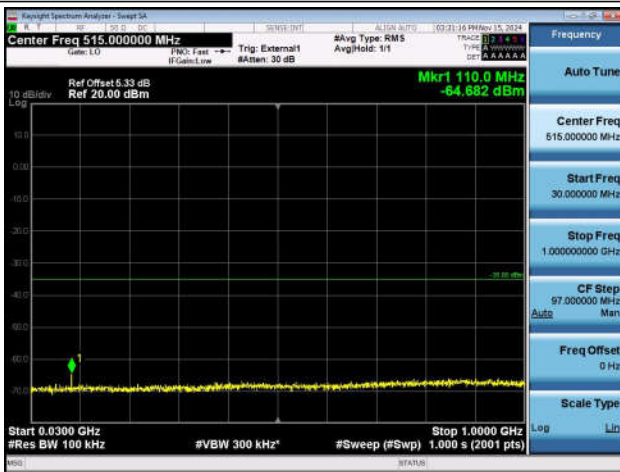
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0~18000



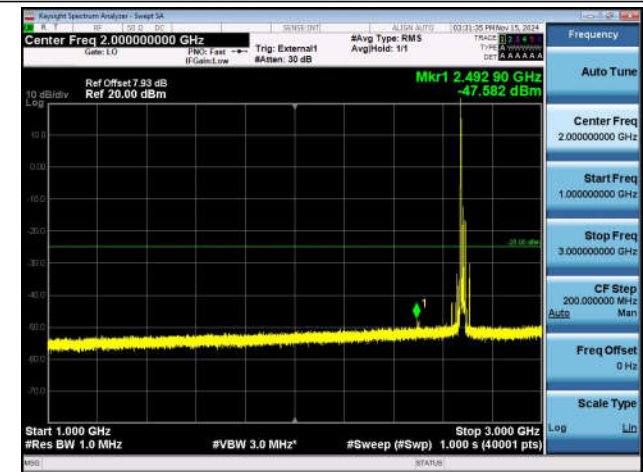
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0~27000



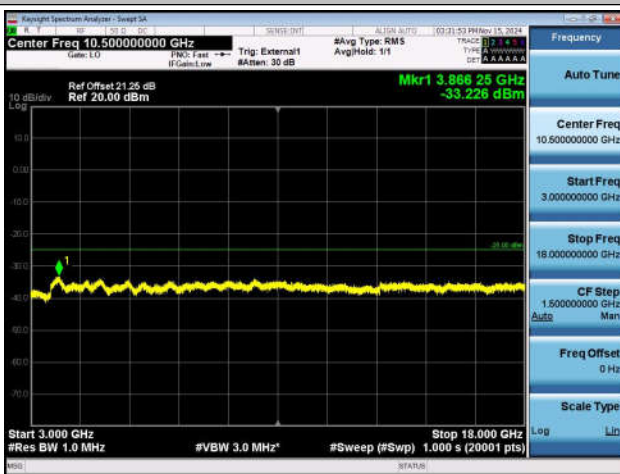
Band41\_20MHz\_QPSK\_41490\_1RB#0\_30~1000\_30~100  
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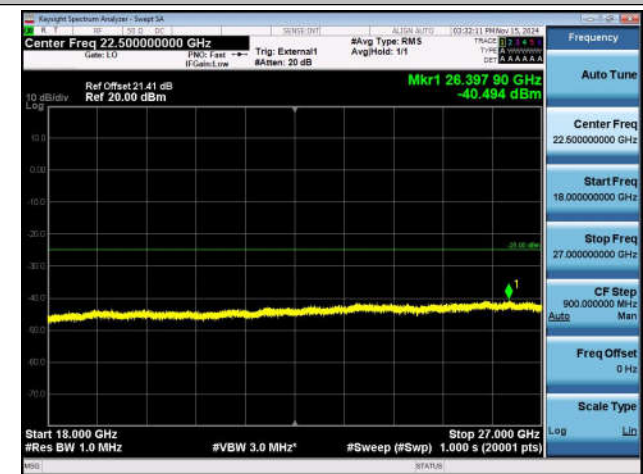
Band41\_20MHz\_QPSK\_41490\_1RB#0\_1000~3000\_1000~3  
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Band41\_20MHz\_QPSK\_41490\_1RB#0\_3000~18000\_300  
0~18000



Band41\_20MHz\_QPSK\_41490\_1RB#0\_18000~27000\_1800  
0~27000



**Frequency Stability****Test Result and Data**

| LTE Band 2_10MHz_QPSK_Mid Channel_Full RB |                  |                |                 |                                   |         |
|-------------------------------------------|------------------|----------------|-----------------|-----------------------------------|---------|
| Voltage [Vdc]                             | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm)                       | Verdict |
| NV                                        | NT               | -5.91          | -0.003144       | Within authorized band for Band 2 | PASS    |
| LV                                        | NT               | -5.11          | -0.002718       |                                   | PASS    |
| HV                                        | NT               | -6.04          | -0.003213       |                                   | PASS    |
| NV                                        | -30              | -7.30          | -0.003883       |                                   | PASS    |
| NV                                        | -20              | -6.98          | -0.003713       |                                   | PASS    |
| NV                                        | -10              | -8.24          | -0.004383       |                                   | PASS    |
| NV                                        | 0                | -7.85          | -0.004176       |                                   | PASS    |
| NV                                        | 10               | -6.64          | -0.003532       |                                   | PASS    |
| NV                                        | 20               | -6.14          | -0.003266       |                                   | PASS    |
| NV                                        | 30               | -8.31          | -0.004420       |                                   | PASS    |
| NV                                        | 40               | -6.37          | -0.003388       |                                   | PASS    |
| NV                                        | 50               | -7.90          | -0.004202       |                                   | PASS    |

| LTE Band 4_10MHz_QPSK_Mid Channel_Full RB |                  |                |                 |                                   |         |
|-------------------------------------------|------------------|----------------|-----------------|-----------------------------------|---------|
| Voltage [Vdc]                             | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm)                       | Verdict |
| NV                                        | NT               | 1.97           | 0.001137        | Within authorized band for Band 4 | PASS    |
| LV                                        | NT               | -2.43          | -0.001403       |                                   | PASS    |
| HV                                        | NT               | 3.85           | 0.002222        |                                   | PASS    |
| NV                                        | -30              | 2.29           | 0.001322        |                                   | PASS    |
| NV                                        | -20              | 4.16           | 0.002401        |                                   | PASS    |
| NV                                        | -10              | 1.96           | 0.001131        |                                   | PASS    |
| NV                                        | 0                | -2.99          | -0.001726       |                                   | PASS    |
| NV                                        | 10               | -4.48          | -0.002586       |                                   | PASS    |
| NV                                        | 20               | -3.06          | -0.001766       |                                   | PASS    |
| NV                                        | 30               | 3.40           | 0.001962        |                                   | PASS    |
| NV                                        | 40               | -2.68          | -0.001547       |                                   | PASS    |
| NV                                        | 50               | 2.40           | 0.001385        |                                   | PASS    |



| LTE Band 5_10MHz_QPSK_Mid Channel_Full RB |                  |                |                 |             |         |
|-------------------------------------------|------------------|----------------|-----------------|-------------|---------|
| Voltage [Vdc]                             | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| NV                                        | NT               | -3.22          | -0.003849       | ±2.5        | PASS    |
| LV                                        | NT               | 2.83           | 0.003383        |             | PASS    |
| HV                                        | NT               | -1.79          | -0.002140       |             | PASS    |
| NV                                        | -30              | -1.49          | -0.001781       |             | PASS    |
| NV                                        | -20              | -1.34          | -0.001602       |             | PASS    |
| NV                                        | -10              | -1.37          | -0.001638       |             | PASS    |
| NV                                        | 0                | -2.95          | -0.003527       |             | PASS    |
| NV                                        | 10               | -1.90          | -0.002271       |             | PASS    |
| NV                                        | 20               | 1.16           | 0.001387        |             | PASS    |
| NV                                        | 30               | -1.97          | -0.002355       |             | PASS    |
| NV                                        | 40               | 2.00           | 0.002391        |             | PASS    |
| NV                                        | 50               | -2.03          | -0.002427       |             | PASS    |

| LTE Band 7_10MHz_QPSK_Mid Channel_Full RB |                  |                |                 |                                   |         |
|-------------------------------------------|------------------|----------------|-----------------|-----------------------------------|---------|
| Voltage [Vdc]                             | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm)                       | Verdict |
| NV                                        | NT               | -3.58          | -0.001412       | Within authorized band for Band 7 | PASS    |
| LV                                        | NT               | -6.38          | -0.002517       |                                   | PASS    |
| HV                                        | NT               | -9.96          | -0.003929       |                                   | PASS    |
| NV                                        | -30              | -9.36          | -0.003692       |                                   | PASS    |
| NV                                        | -20              | -5.48          | -0.002162       |                                   | PASS    |
| NV                                        | -10              | -9.40          | -0.003708       |                                   | PASS    |
| NV                                        | 0                | -8.94          | -0.003527       |                                   | PASS    |
| NV                                        | 10               | -9.13          | -0.003602       |                                   | PASS    |
| NV                                        | 20               | -7.08          | -0.002793       |                                   | PASS    |
| NV                                        | 30               | -9.63          | -0.003799       |                                   | PASS    |
| NV                                        | 40               | -4.82          | -0.001901       |                                   | PASS    |
| NV                                        | 50               | -11.62         | -0.004584       |                                   | PASS    |



| LTE Band 12_10MHz_QPSK_Mid Channel_Full RB |                  |                |                 |                                    |         |
|--------------------------------------------|------------------|----------------|-----------------|------------------------------------|---------|
| Voltage [Vdc]                              | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm)                        | Verdict |
| NV                                         | NT               | -1.97          | -0.002784       | Within authorized band for Band 12 | PASS    |
| LV                                         | NT               | -1.82          | -0.002572       |                                    | PASS    |
| HV                                         | NT               | -1.62          | -0.002290       |                                    | PASS    |
| NV                                         | -30              | -1.65          | -0.002332       |                                    | PASS    |
| NV                                         | -20              | 1.29           | 0.001823        |                                    | PASS    |
| NV                                         | -10              | -1.62          | -0.002290       |                                    | PASS    |
| NV                                         | 0                | -2.65          | -0.003746       |                                    | PASS    |
| NV                                         | 10               | -3.16          | -0.004466       |                                    | PASS    |
| NV                                         | 20               | -2.27          | -0.003208       |                                    | PASS    |
| NV                                         | 30               | -2.50          | -0.003534       |                                    | PASS    |
| NV                                         | 40               | -2.37          | -0.003350       |                                    | PASS    |
| NV                                         | 50               | -2.75          | -0.003887       |                                    | PASS    |

| LTE Band 13_10MHz_QPSK_Mid Channel_Full RB |                  |                |                 |                                    |         |
|--------------------------------------------|------------------|----------------|-----------------|------------------------------------|---------|
| Voltage [Vdc]                              | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm)                        | Verdict |
| NV                                         | NT               | 0.00           | 0.000000        | Within authorized band for Band 13 | PASS    |
| LV                                         | NT               | -2.96          | -0.003785       |                                    | PASS    |
| HV                                         | NT               | -3.58          | -0.004578       |                                    | PASS    |
| NV                                         | -30              | -3.35          | -0.004284       |                                    | PASS    |
| NV                                         | -20              | -1.60          | -0.002046       |                                    | PASS    |
| NV                                         | -10              | -1.52          | -0.001944       |                                    | PASS    |
| NV                                         | 0                | -1.66          | -0.002123       |                                    | PASS    |
| NV                                         | 10               | -2.56          | -0.003274       |                                    | PASS    |
| NV                                         | 20               | -2.47          | -0.003159       |                                    | PASS    |
| NV                                         | 30               | -2.68          | -0.003427       |                                    | PASS    |
| NV                                         | 40               | -2.52          | -0.003223       |                                    | PASS    |
| NV                                         | 50               | -4.06          | -0.005192       |                                    | PASS    |



| LTE Band 25_10MHz_QPSK_Mid Channel_Full RB |                  |                |                 |                                    |         |
|--------------------------------------------|------------------|----------------|-----------------|------------------------------------|---------|
| Voltage [Vdc]                              | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm)                        | Verdict |
| NV                                         | NT               | 3.75           | 0.001992        | Within authorized band for Band 25 | PASS    |
| LV                                         | NT               | 5.11           | 0.002714        |                                    | PASS    |
| HV                                         | NT               | -4.25          | -0.002258       |                                    | PASS    |
| NV                                         | -30              | 3.36           | 0.001785        |                                    | PASS    |
| NV                                         | -20              | 2.75           | 0.001461        |                                    | PASS    |
| NV                                         | -10              | 4.76           | 0.002529        |                                    | PASS    |
| NV                                         | 0                | 5.01           | 0.002661        |                                    | PASS    |
| NV                                         | 10               | 4.01           | 0.002130        |                                    | PASS    |
| NV                                         | 20               | -2.32          | -0.001232       |                                    | PASS    |
| NV                                         | 30               | 3.53           | 0.001875        |                                    | PASS    |
| NV                                         | 40               | 3.25           | 0.001726        |                                    | PASS    |
| NV                                         | 50               | 6.64           | 0.003527        |                                    | PASS    |

| LTE Band 26(814~824MHz)_10MHz_QPSK_Mid Channel_Full RB |                  |                |                 |             |         |
|--------------------------------------------------------|------------------|----------------|-----------------|-------------|---------|
| Voltage [Vdc]                                          | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| NV                                                     | NT               | -2.02          | -0.002466       | ±2.5        | PASS    |
| LV                                                     | NT               | -1.83          | -0.002234       |             | PASS    |
| HV                                                     | NT               | -3.25          | -0.003968       |             | PASS    |
| NV                                                     | -30              | -3.83          | -0.004676       |             | PASS    |
| NV                                                     | -20              | -4.73          | -0.005775       |             | PASS    |
| NV                                                     | -10              | -3.30          | -0.004029       |             | PASS    |
| NV                                                     | 0                | -4.23          | -0.005165       |             | PASS    |
| NV                                                     | 10               | -2.50          | -0.003053       |             | PASS    |
| NV                                                     | 20               | -3.58          | -0.004371       |             | PASS    |
| NV                                                     | 30               | -2.96          | -0.003614       |             | PASS    |
| NV                                                     | 40               | -1.77          | -0.002161       |             | PASS    |
| NV                                                     | 50               | -2.26          | -0.002759       |             | PASS    |



| LTE Band 26(824~849MHz)_10MHz_QPSK_Mid Channel_Full RB |                  |                |                 |             |         |
|--------------------------------------------------------|------------------|----------------|-----------------|-------------|---------|
| Voltage [Vdc]                                          | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| NV                                                     | NT               | 2.66           | 0.003180        | ±2.5        | PASS    |
| LV                                                     | NT               | -1.89          | -0.002259       |             | PASS    |
| HV                                                     | NT               | 2.57           | 0.003072        |             | PASS    |
| NV                                                     | -30              | -2.20          | -0.002630       |             | PASS    |
| NV                                                     | -20              | 1.27           | 0.001518        |             | PASS    |
| NV                                                     | -10              | 1.37           | 0.001638        |             | PASS    |
| NV                                                     | 0                | -1.66          | -0.001984       |             | PASS    |
| NV                                                     | 10               | -4.59          | -0.005487       |             | PASS    |
| NV                                                     | 20               | -2.69          | -0.003216       |             | PASS    |
| NV                                                     | 30               | -2.00          | -0.002391       |             | PASS    |
| NV                                                     | 40               | -2.00          | -0.002391       |             | PASS    |
| NV                                                     | 50               | -2.29          | -0.002738       |             | PASS    |

| LTE Band 41_10MHz_QPSK_Mid Channel_Full RB |                  |                |                 |                                    |         |
|--------------------------------------------|------------------|----------------|-----------------|------------------------------------|---------|
| Voltage [Vdc]                              | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm)                        | Verdict |
| NV                                         | NT               | 7.90           | 0.003047        | Within authorized band for Band 41 | PASS    |
| LV                                         | NT               | 7.31           | 0.002819        |                                    | PASS    |
| HV                                         | NT               | 7.85           | 0.003027        |                                    | PASS    |
| NV                                         | -30              | 6.49           | 0.002503        |                                    | PASS    |
| NV                                         | -20              | 4.19           | 0.001616        |                                    | PASS    |
| NV                                         | -10              | 8.73           | 0.003367        |                                    | PASS    |
| NV                                         | 0                | -12.33         | -0.004755       |                                    | PASS    |
| NV                                         | 10               | -5.38          | -0.002075       |                                    | PASS    |
| NV                                         | 20               | 11.69          | 0.004508        |                                    | PASS    |
| NV                                         | 30               | 7.70           | 0.002970        |                                    | PASS    |
| NV                                         | 40               | 12.02          | 0.004636        |                                    | PASS    |
| NV                                         | 50               | 7.10           | 0.002738        |                                    | PASS    |

Note 1: Normal Voltage = 12V, Low Voltage = 10.2V, High Voltage = 13.8V, Normal Temperature = 20°C.

**\*\* END OF REPORT \*\***