| (Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74 |
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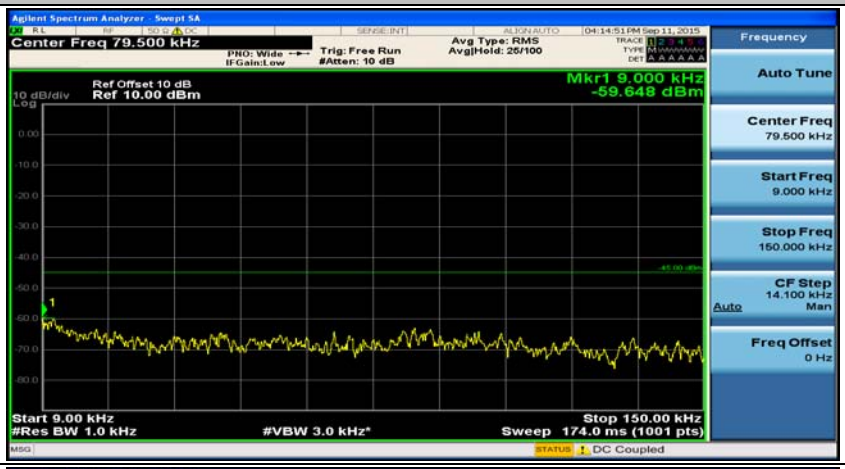
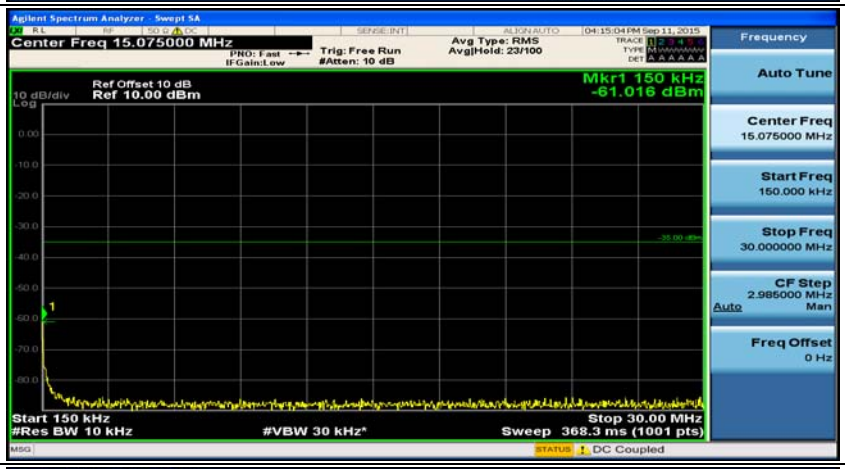
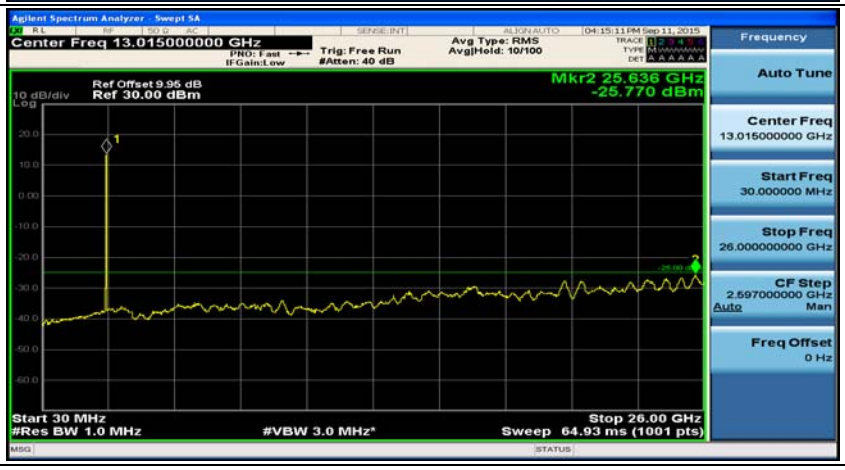
|   |
|   |
|   |

| (Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0 |
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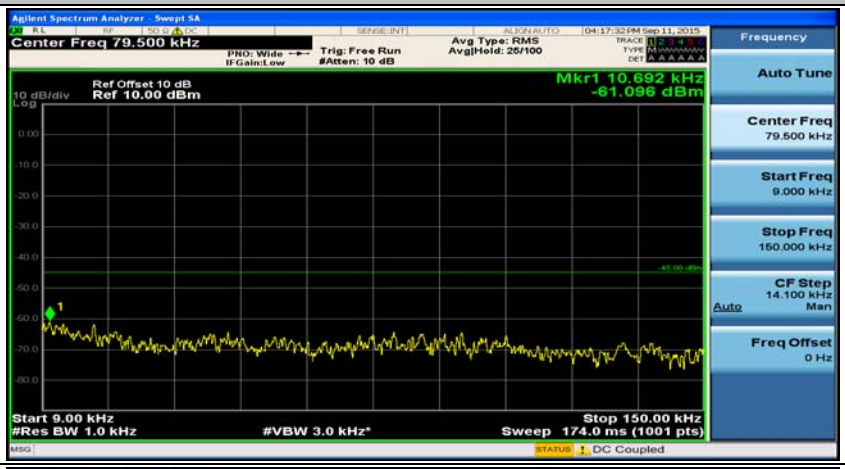
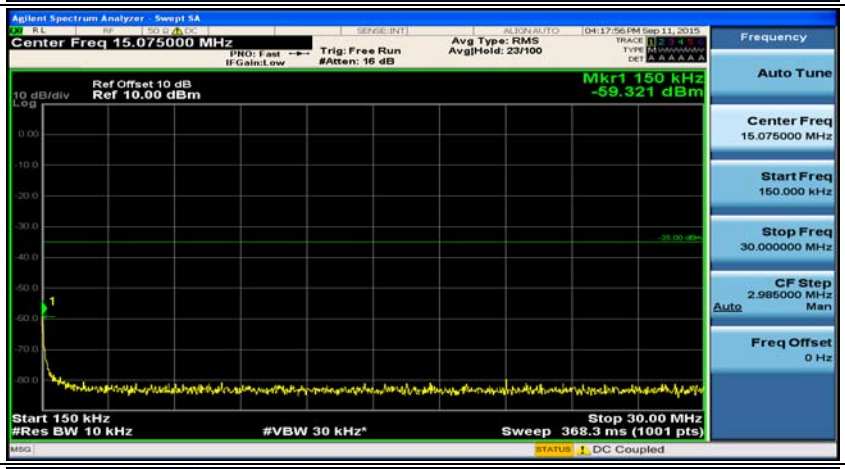
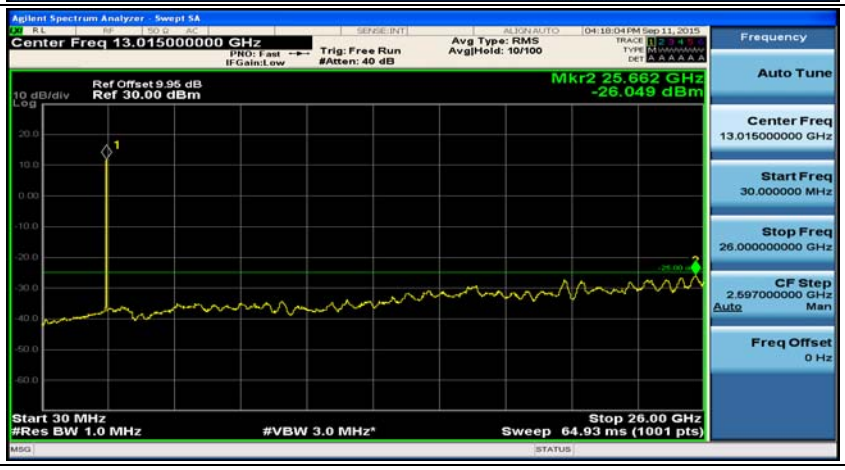
|  |
|  |
|  |

| (Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37 |
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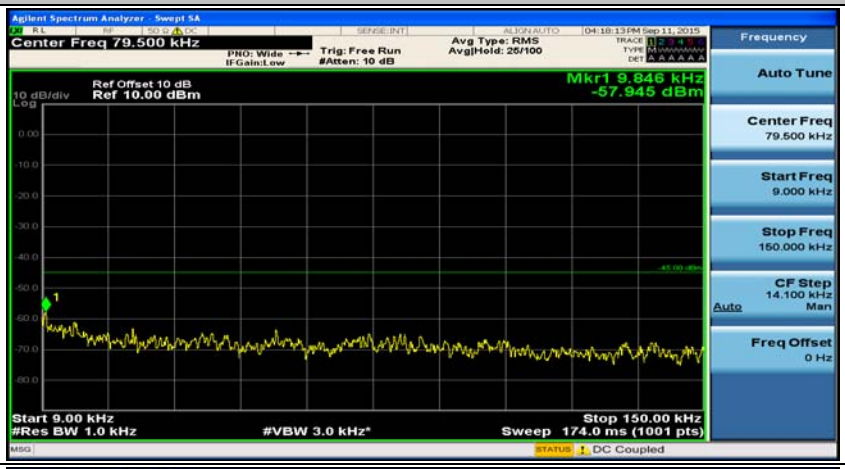
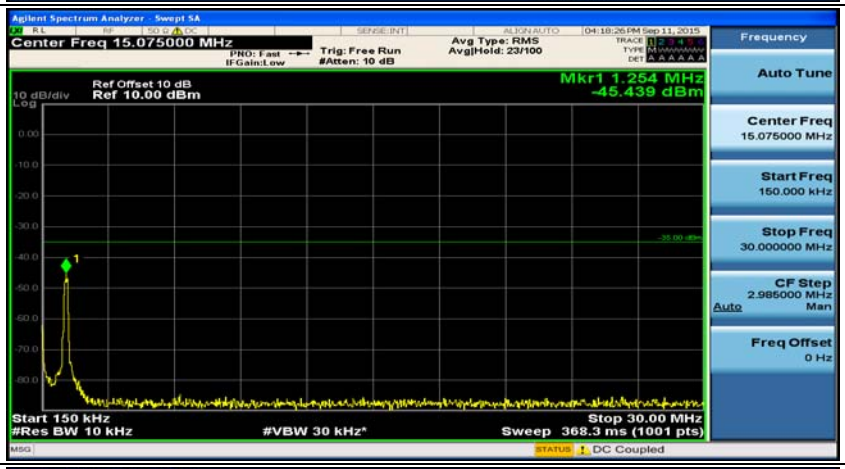
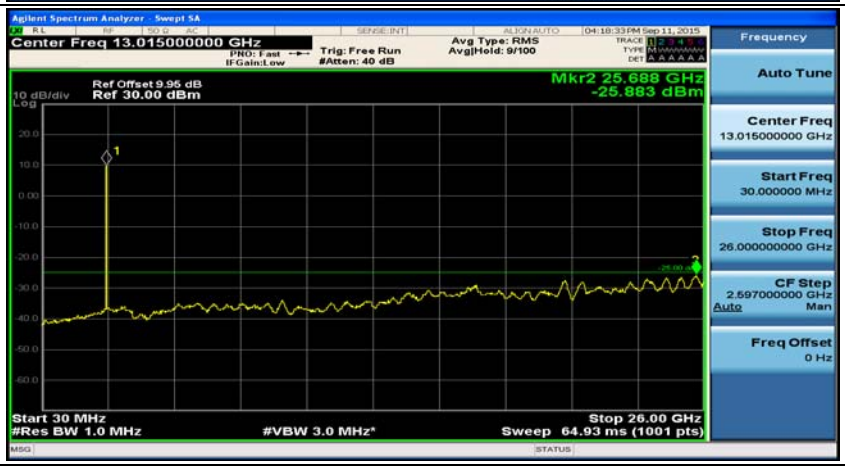
|  |
|  |
|  |

| (Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74 |
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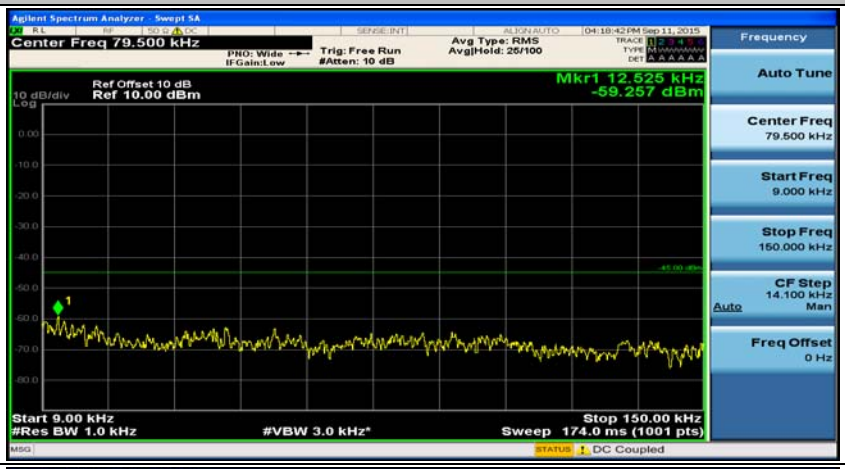
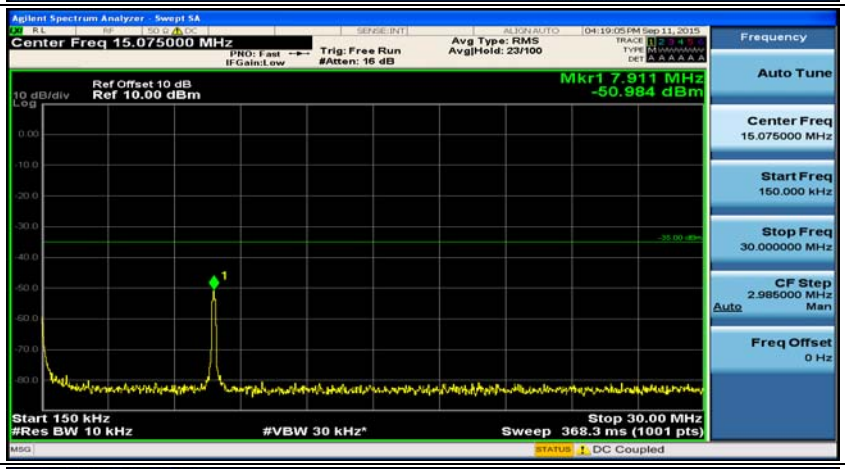
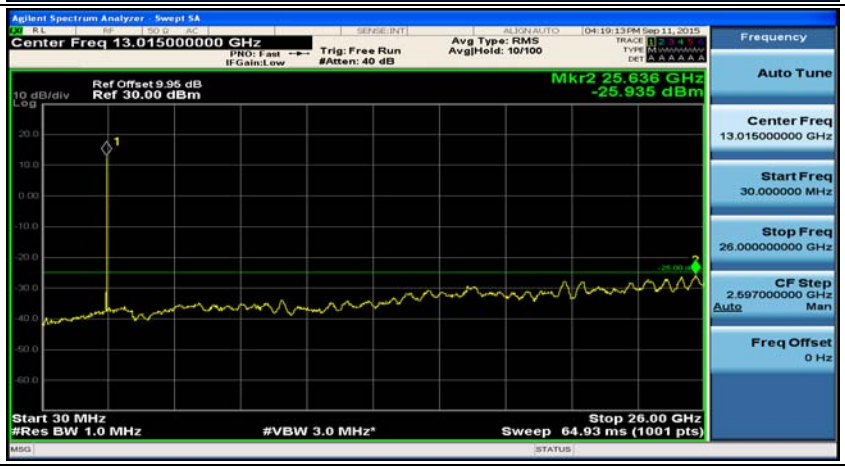
|   |
|   |
|   |

| (Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0 |
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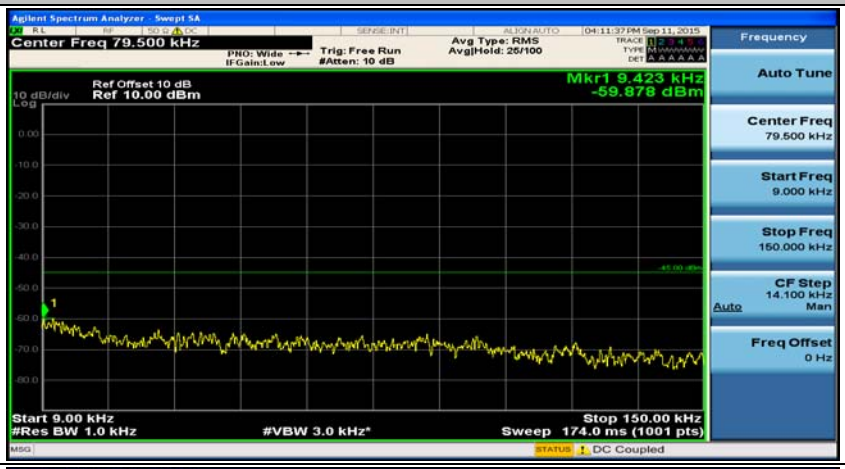
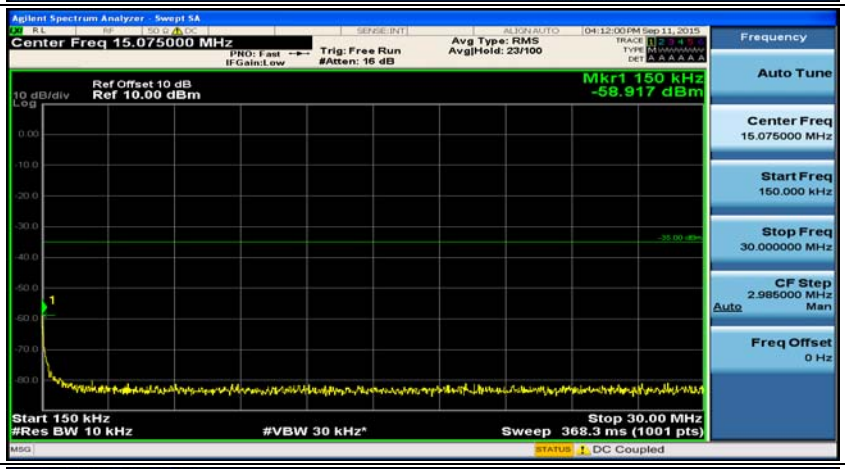
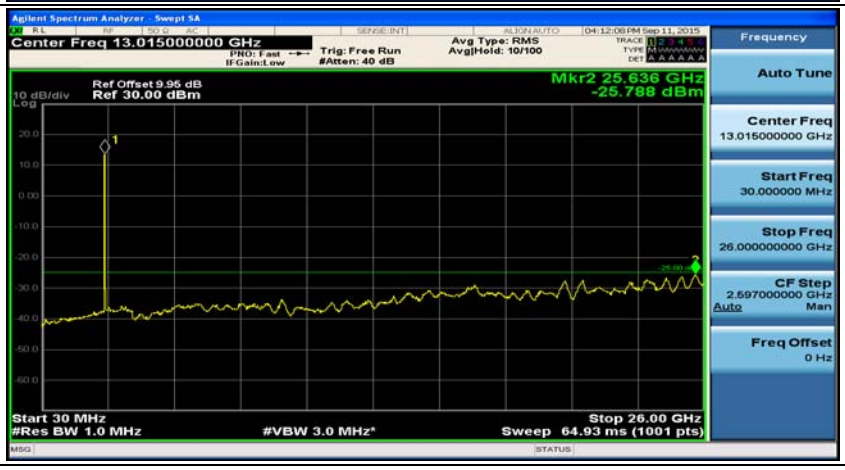
|  |
|  |
|  |

| (Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37 |
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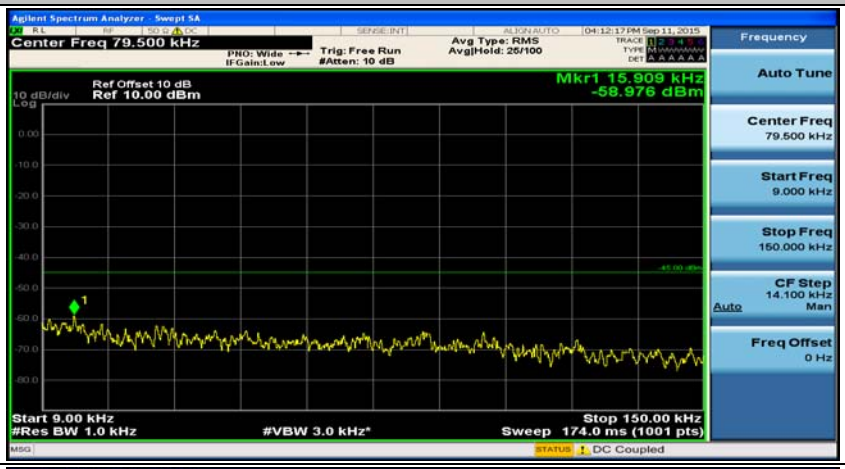
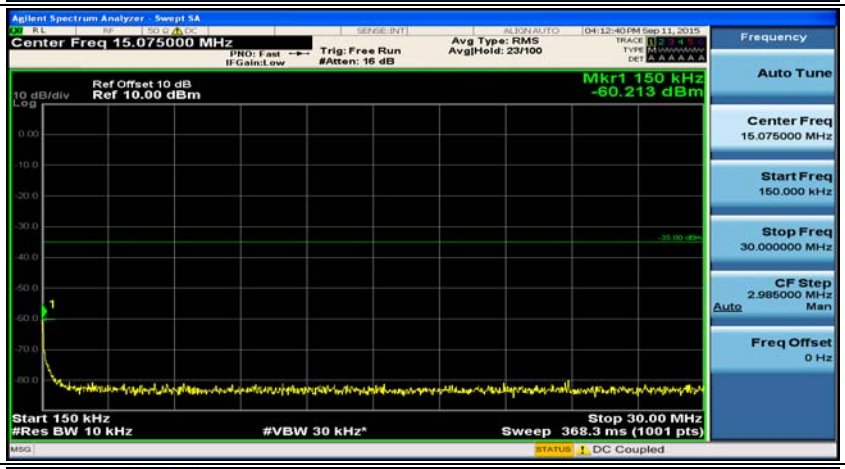
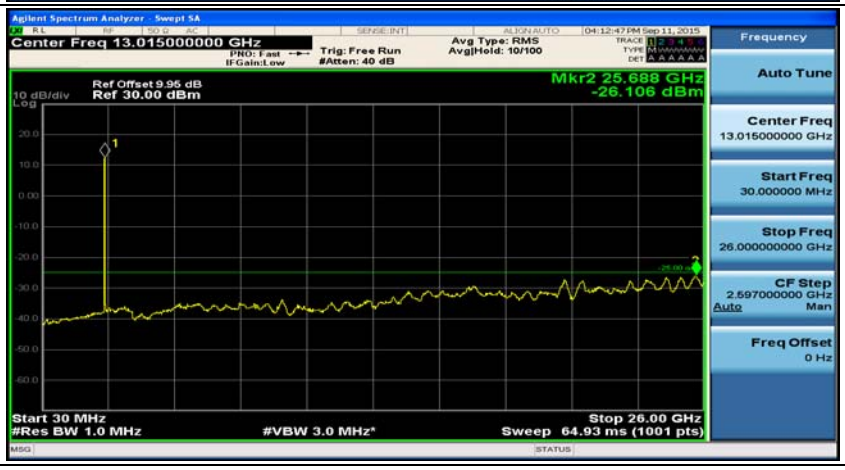
|  |
|  |
|  |

| (Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74 |
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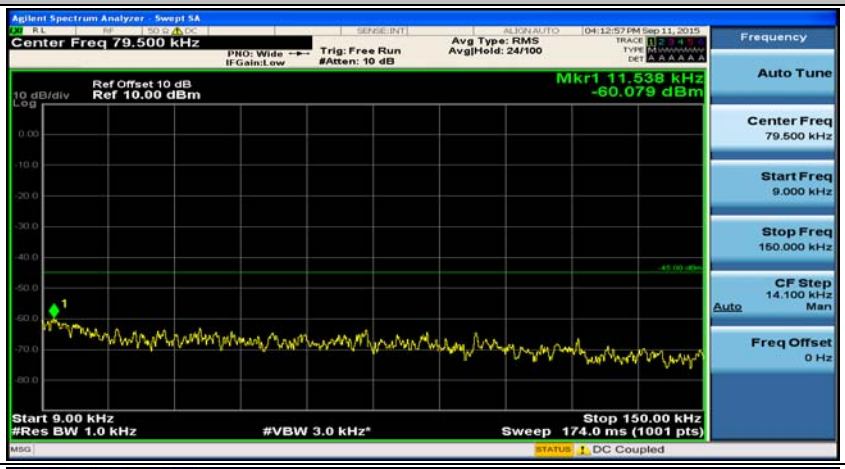
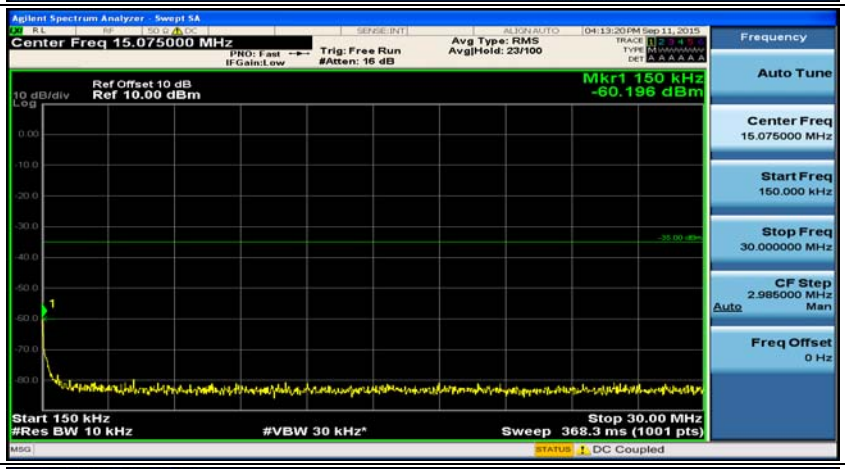
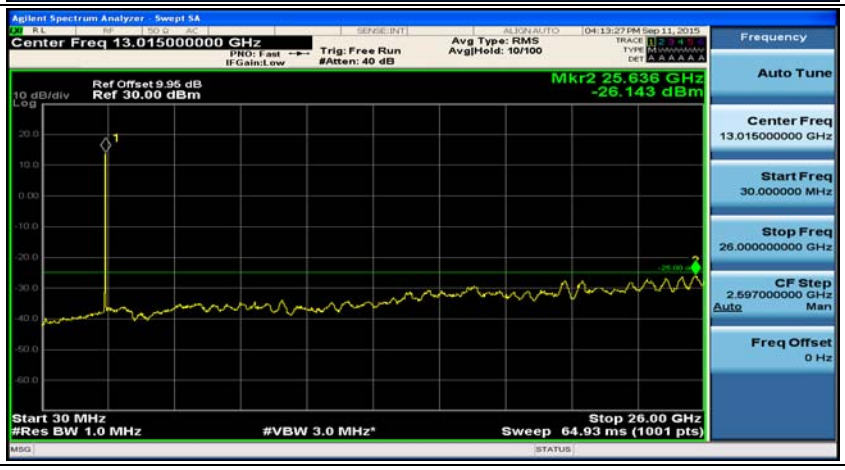
|  |
|  |
|  |

| (Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0 |
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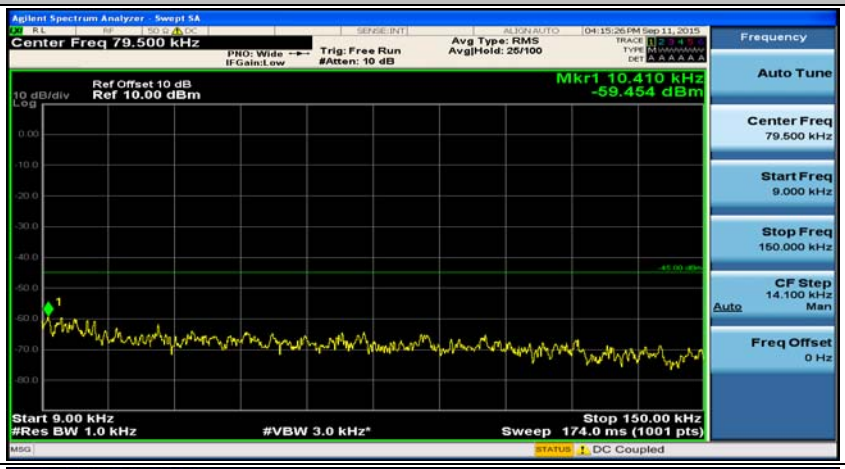
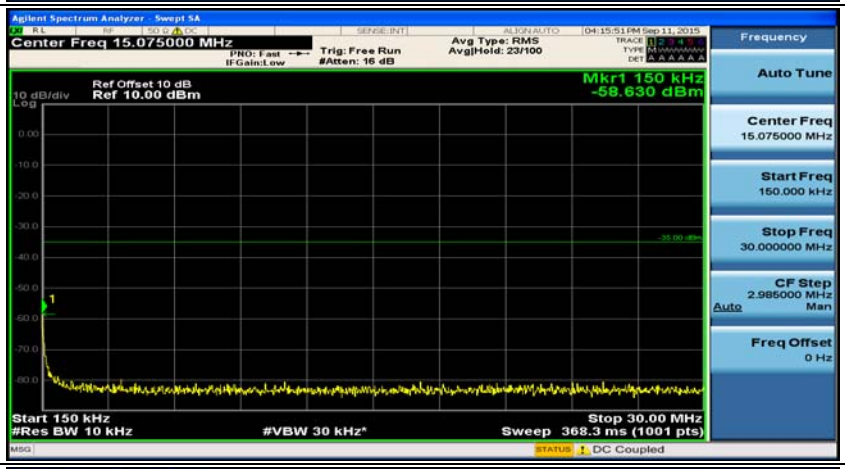
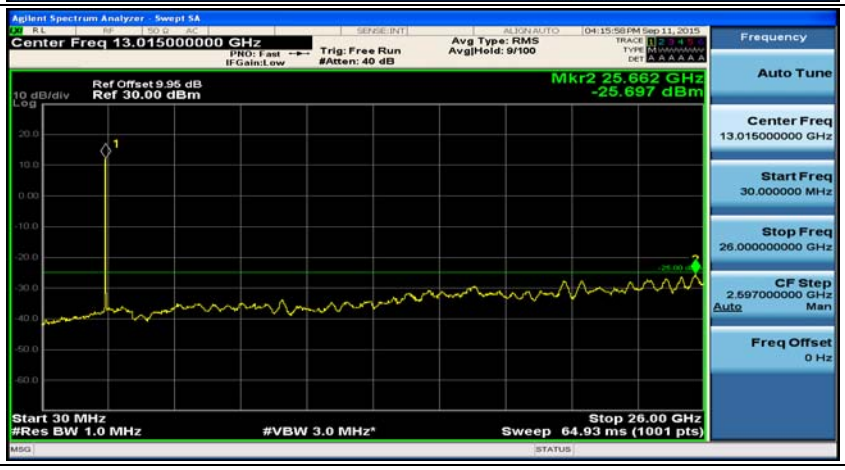
|  |
|  |
|  |

| (Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37 |
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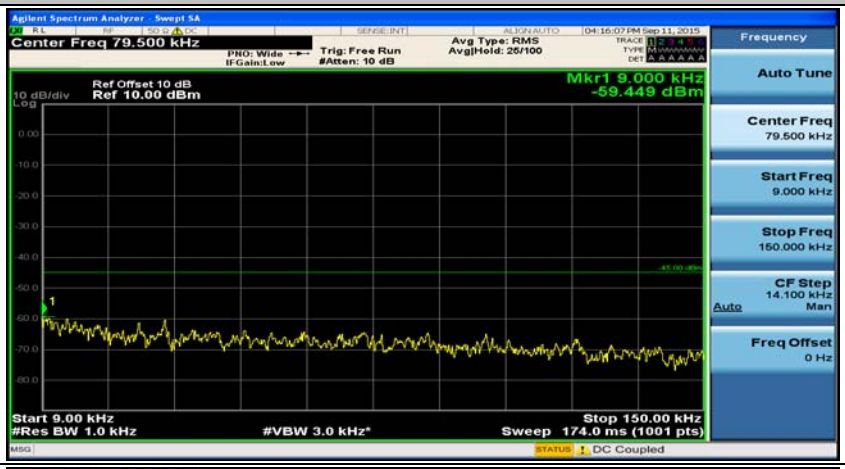
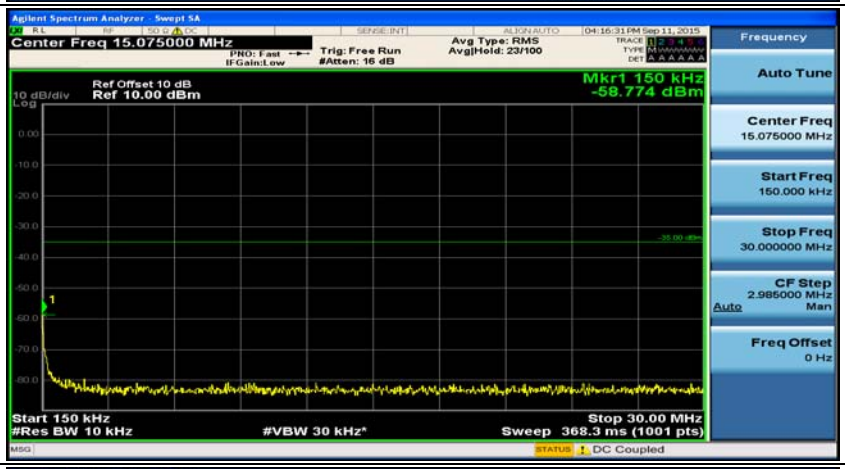
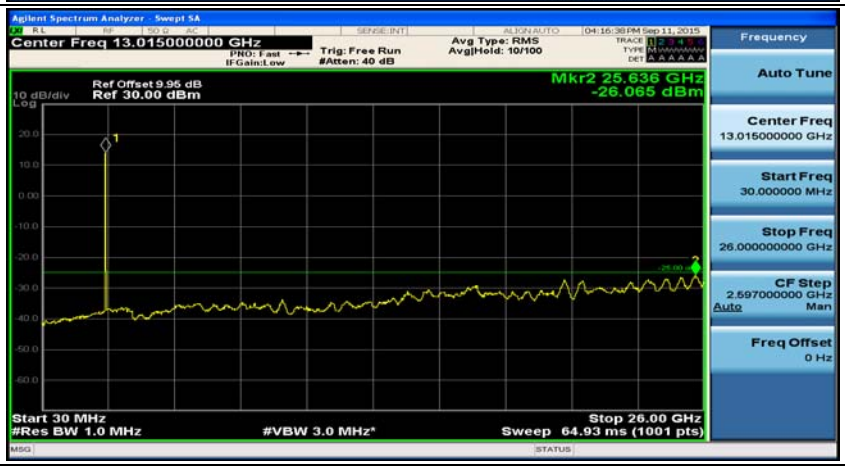
|   |
|   |
|   |

| (Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74 |
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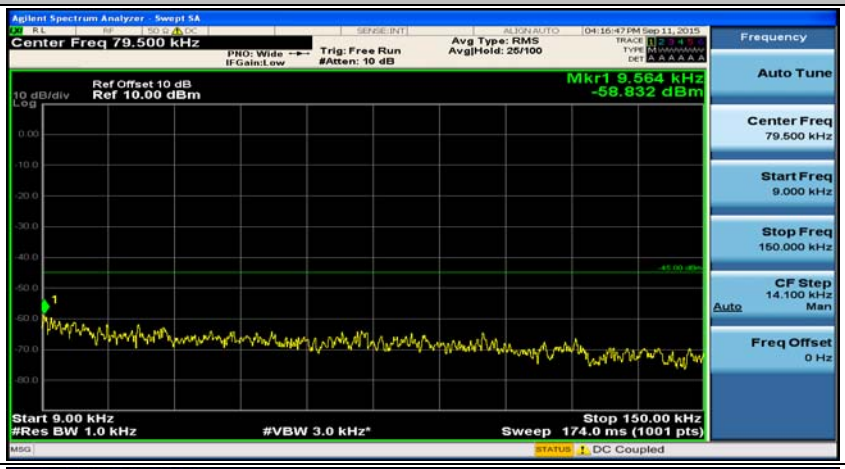
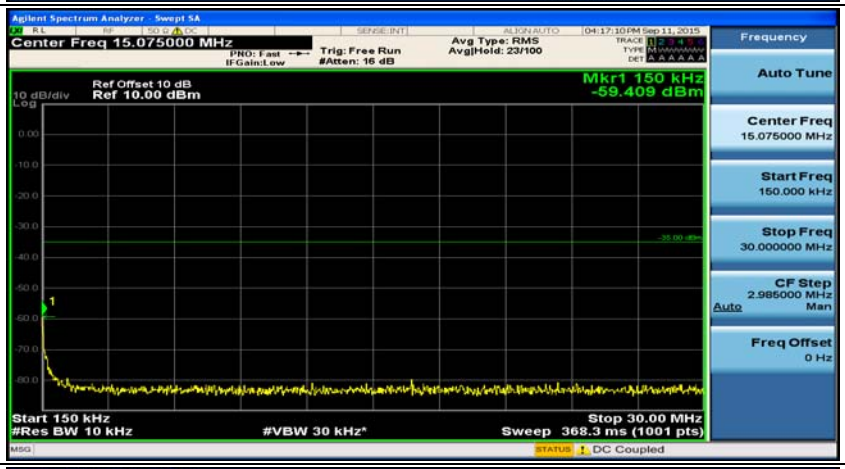
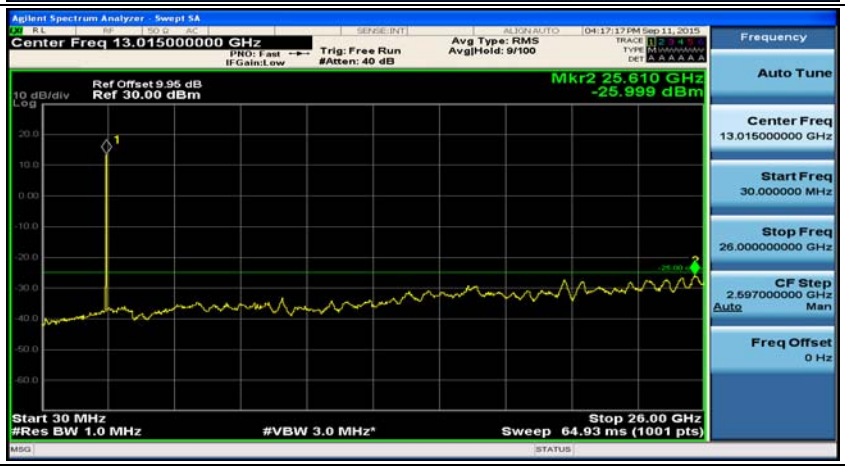
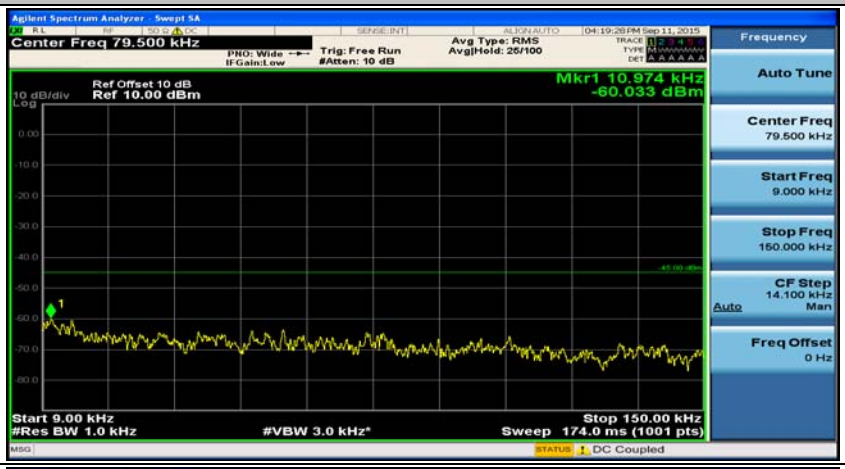
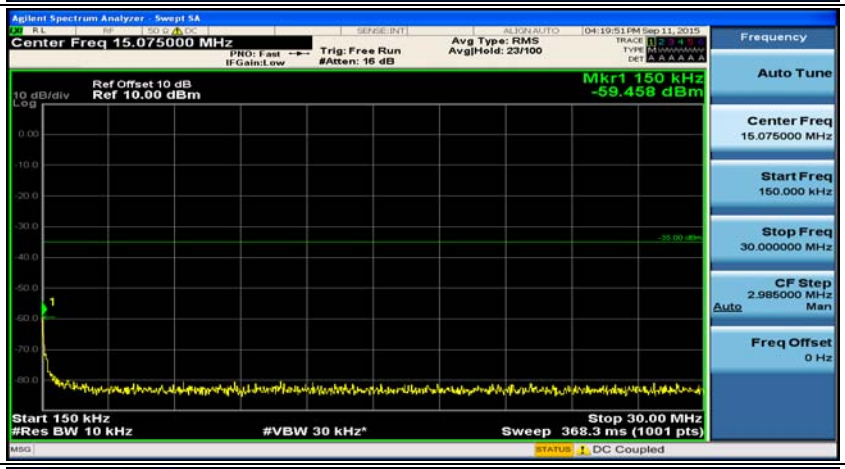
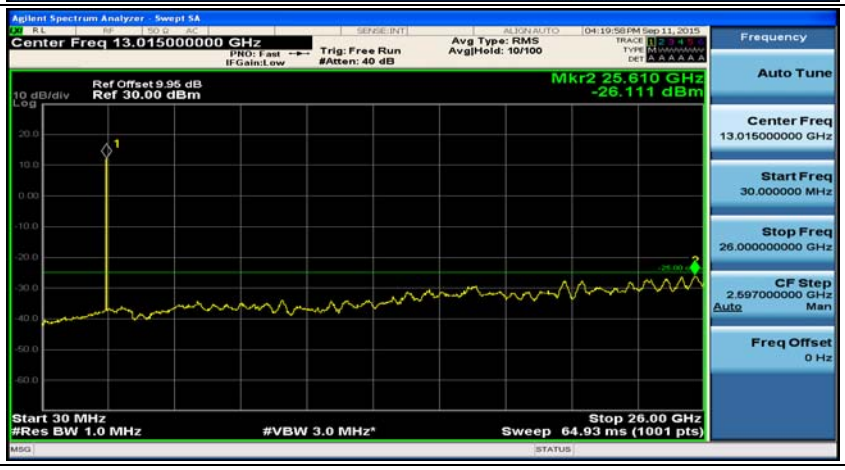
|  |
|  |
|  |

| (Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0 |
|---|
|  |
|  |
|  |

| (Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37 |
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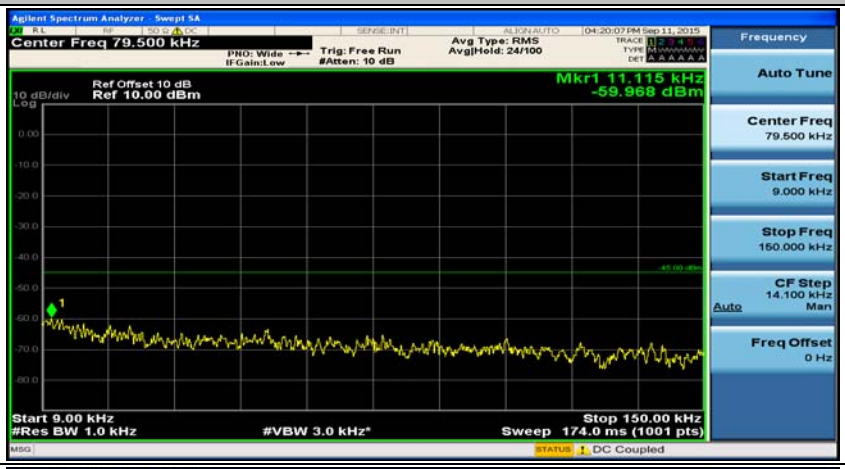
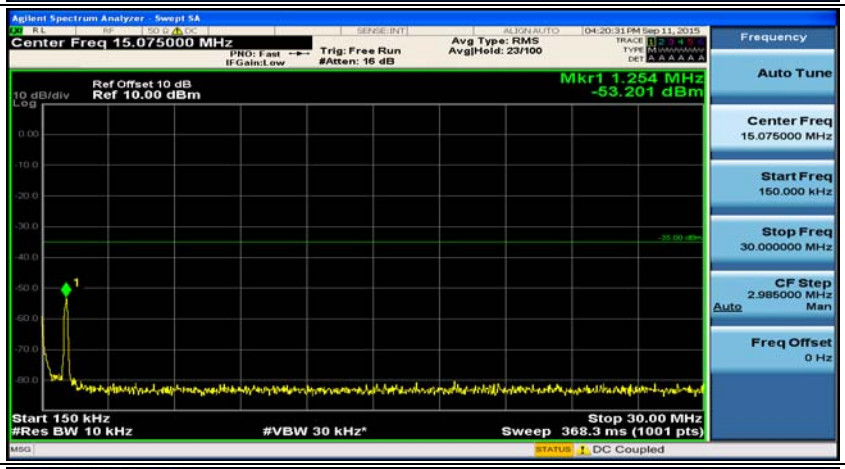
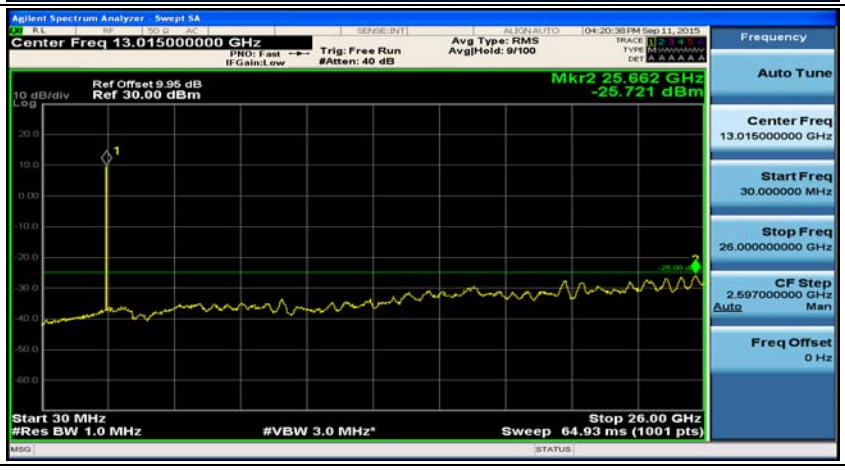
|  |
|  |
|  |

| (Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74 |
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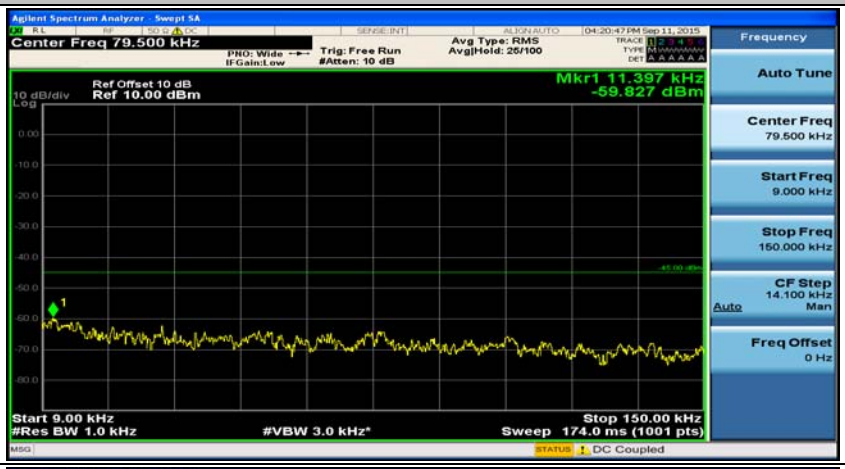
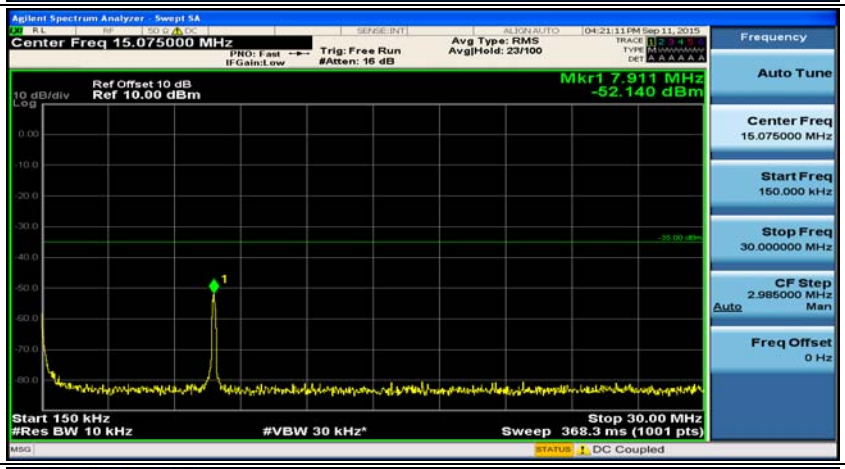
|   |
|   |
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## Channel Bandwidth: 20 MHz

| (Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0 |
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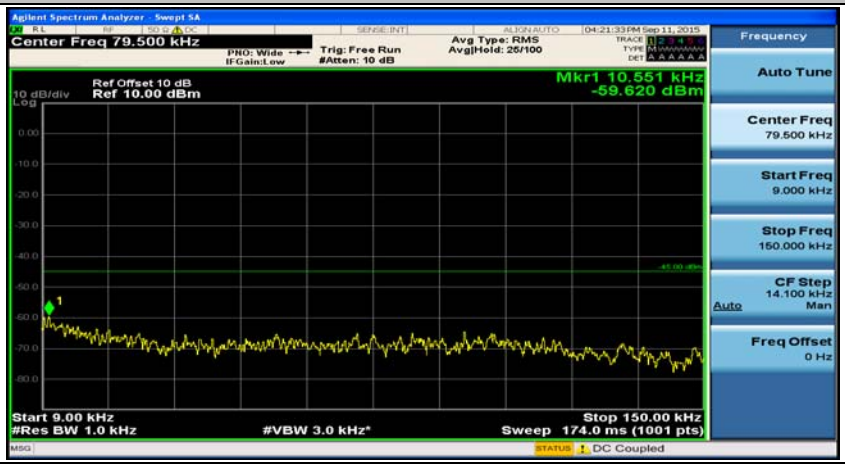
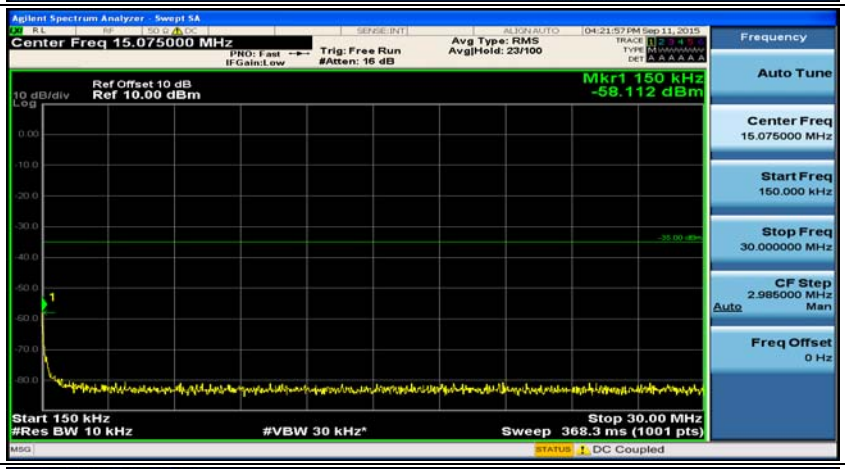
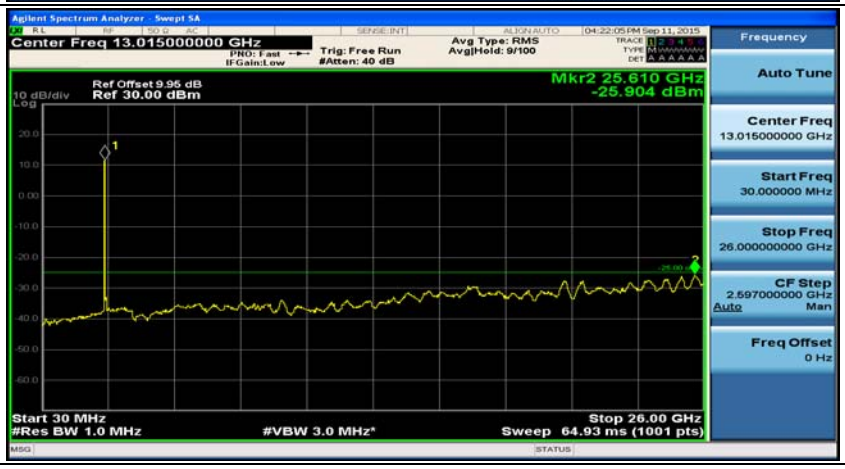
|  |
|  |
|  |

| (Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49 |
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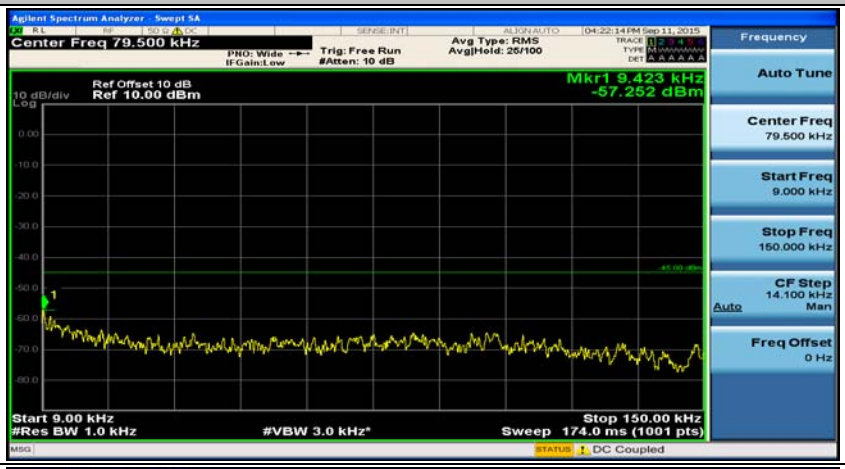
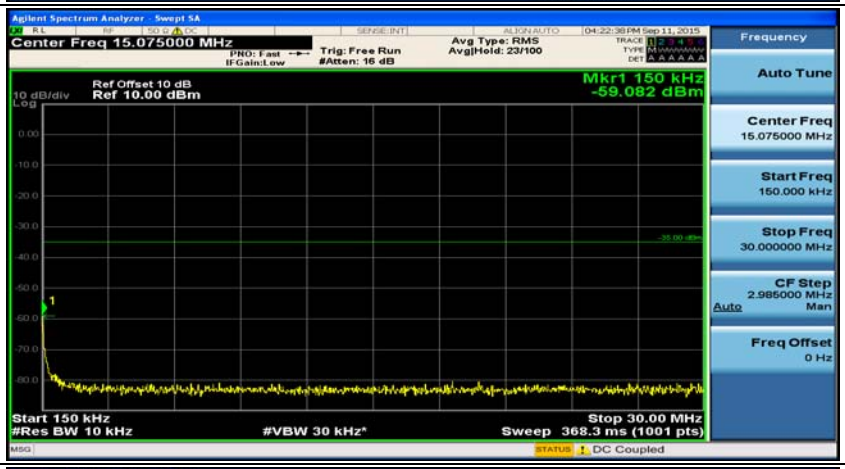
|  |
|  |
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| (Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99 |
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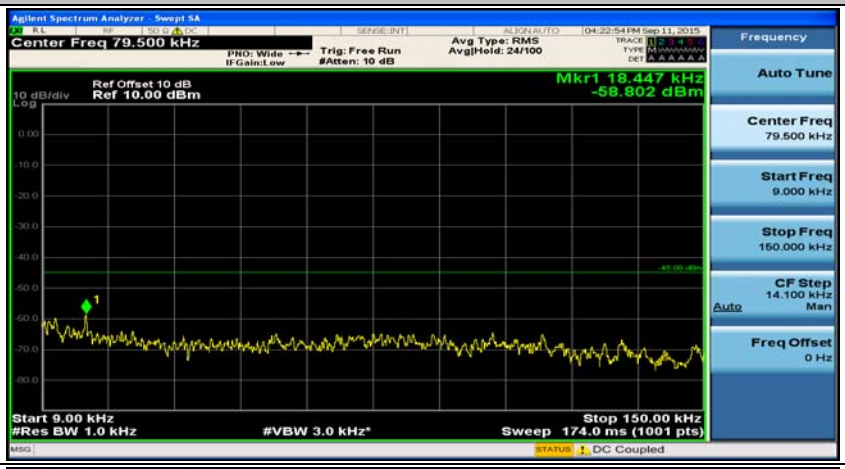
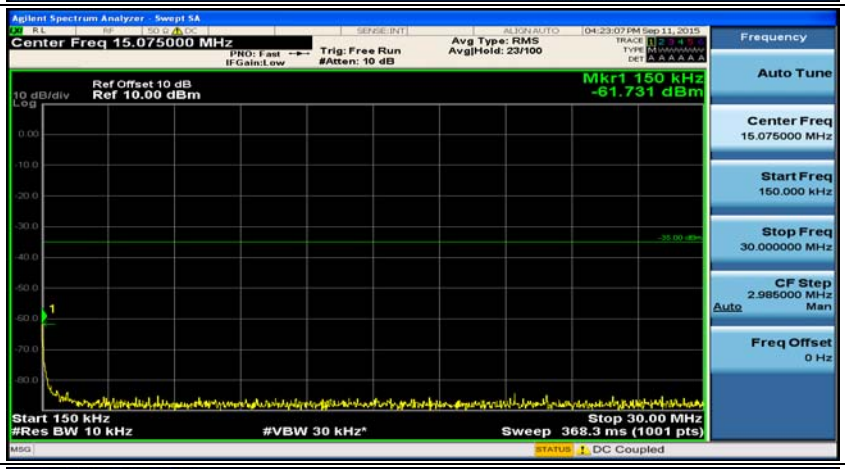
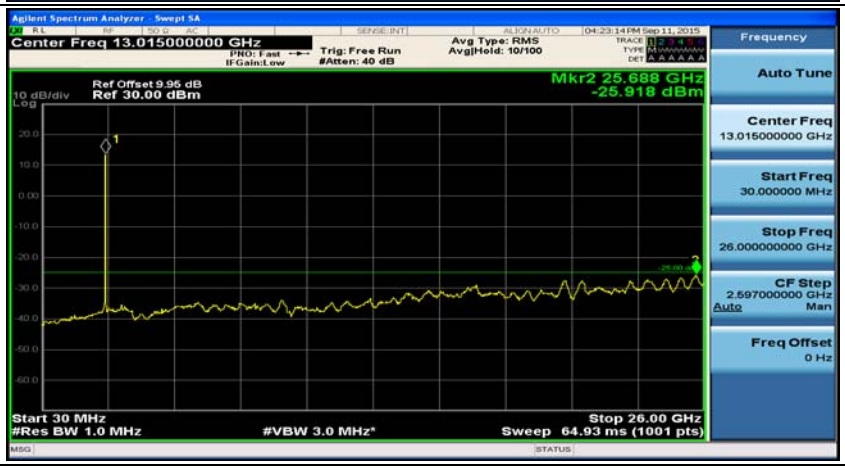
|   |
|   |
|   |

| (Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0 |
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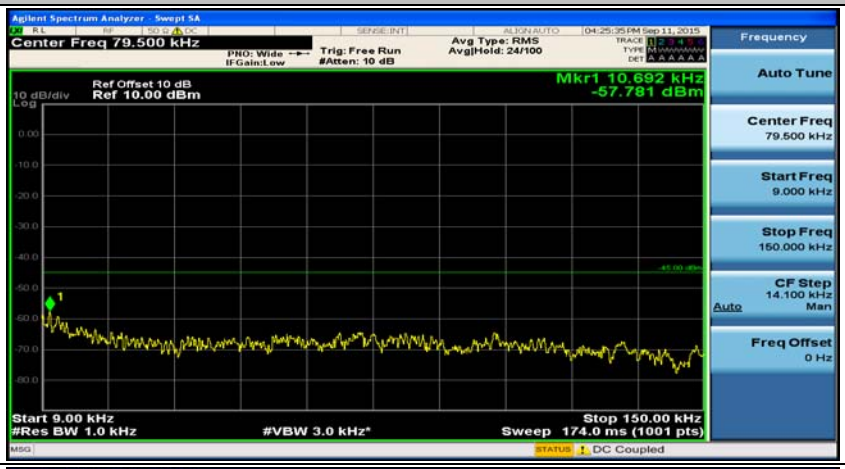
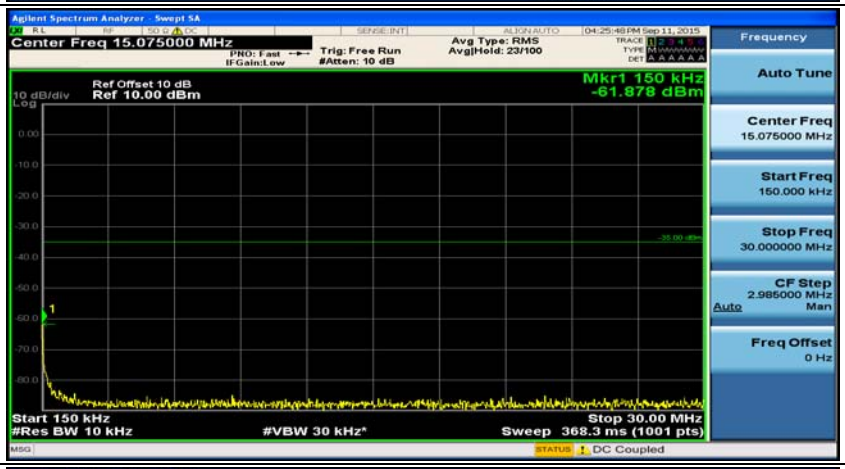
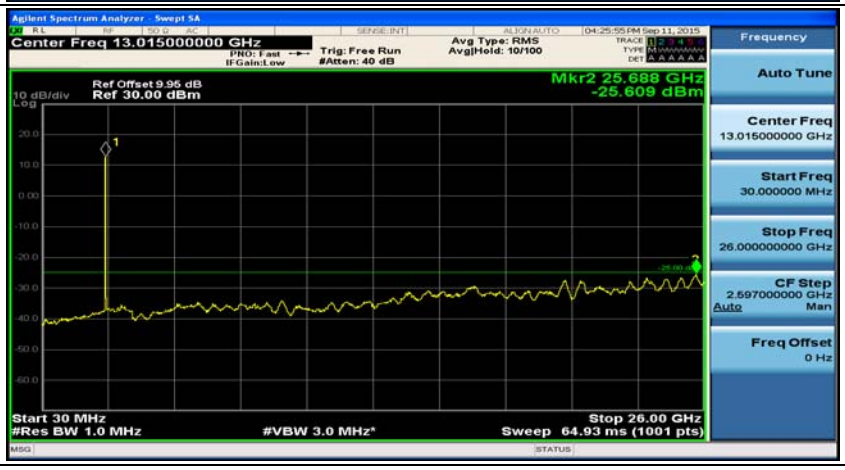
|  |
|  |
|  |

| (Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49 |
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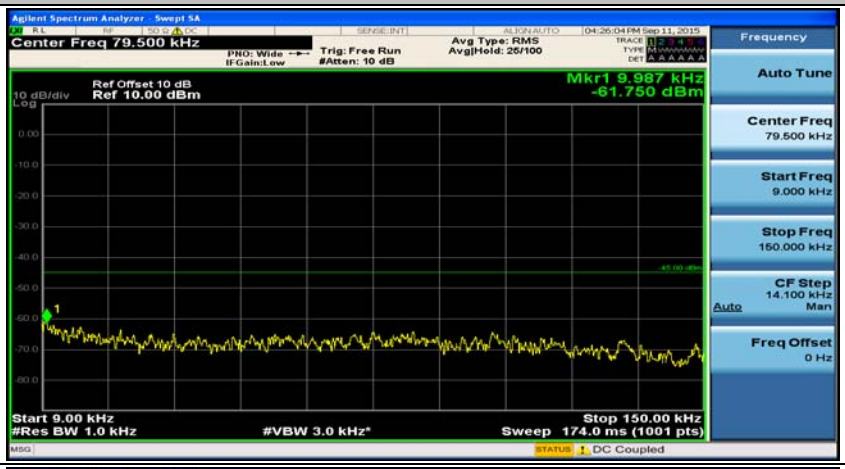
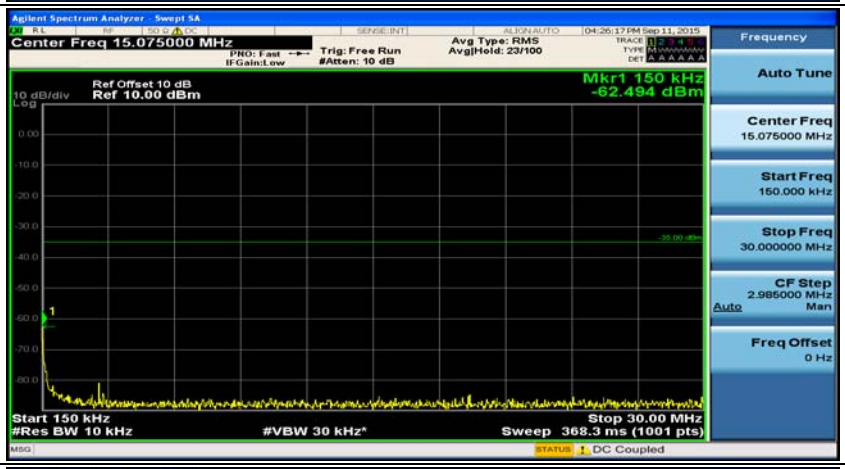
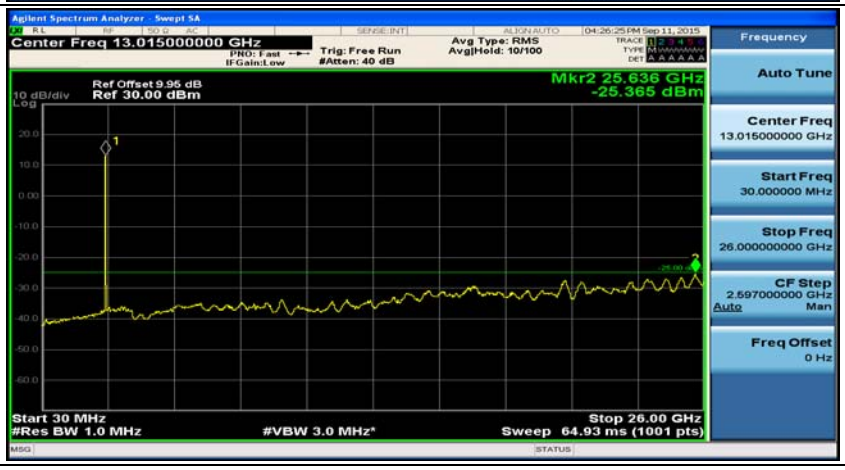
|  |
|  |
|  |

| (Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99 |
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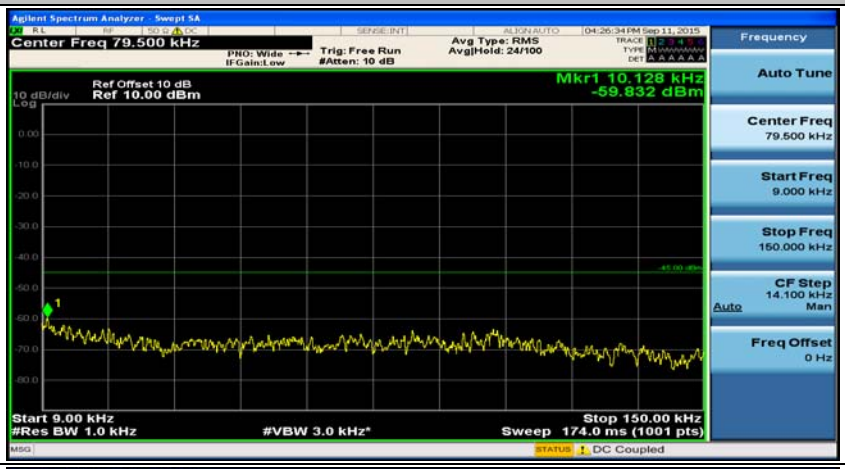
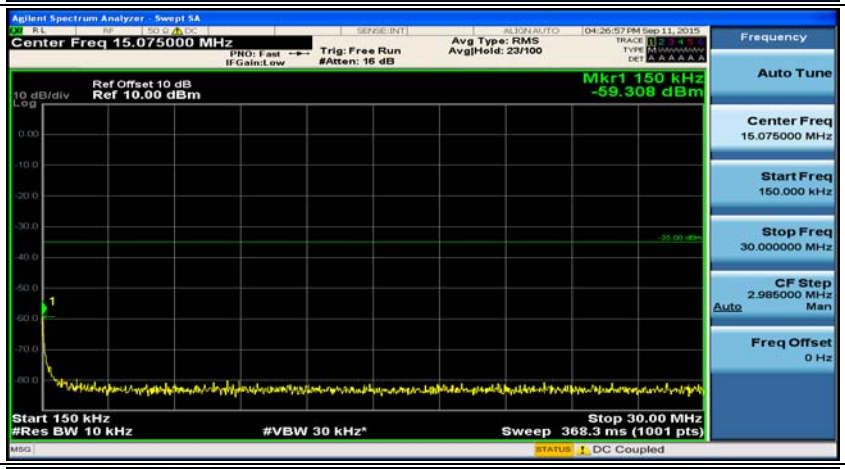
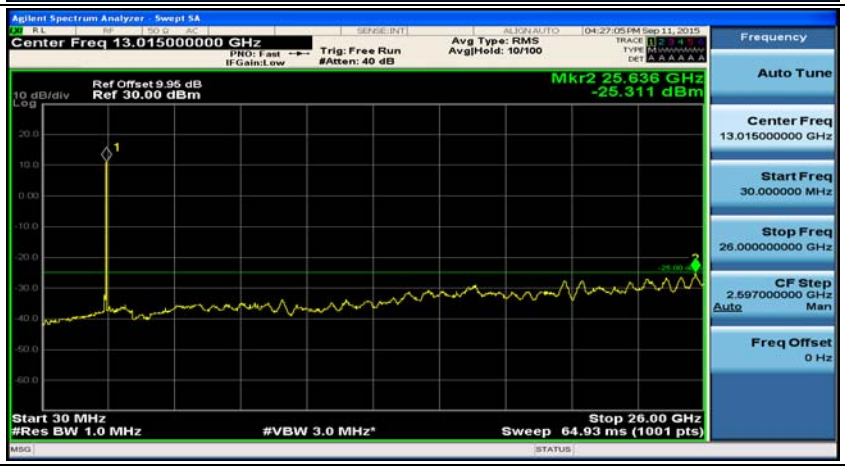
|  |
|  |
|  |

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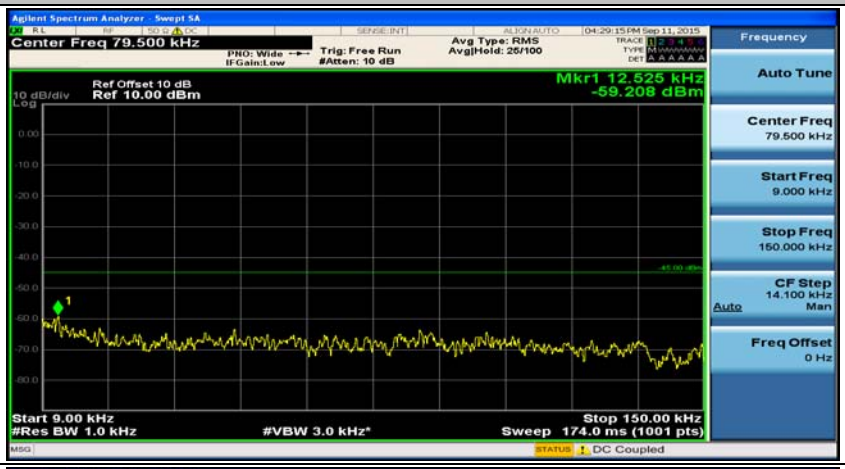
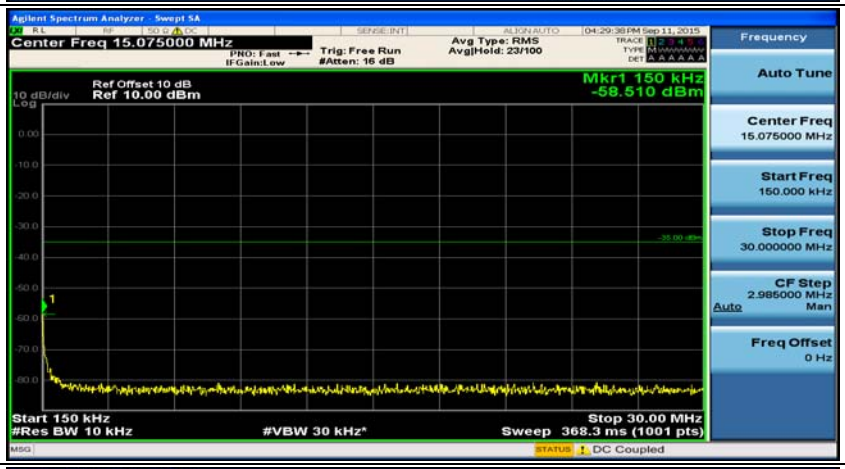
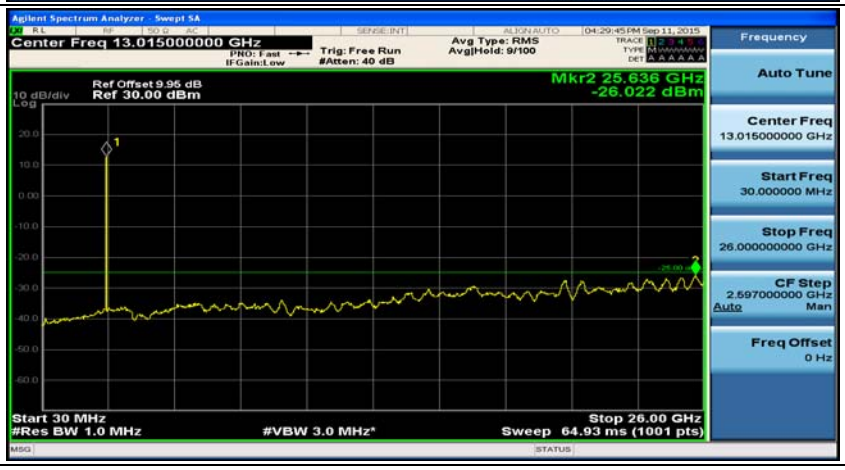
|---|
|  |
|  |
|  |

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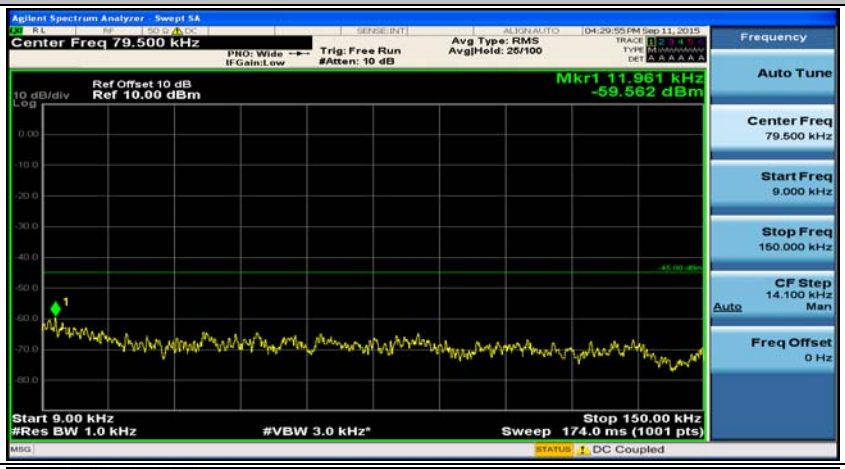
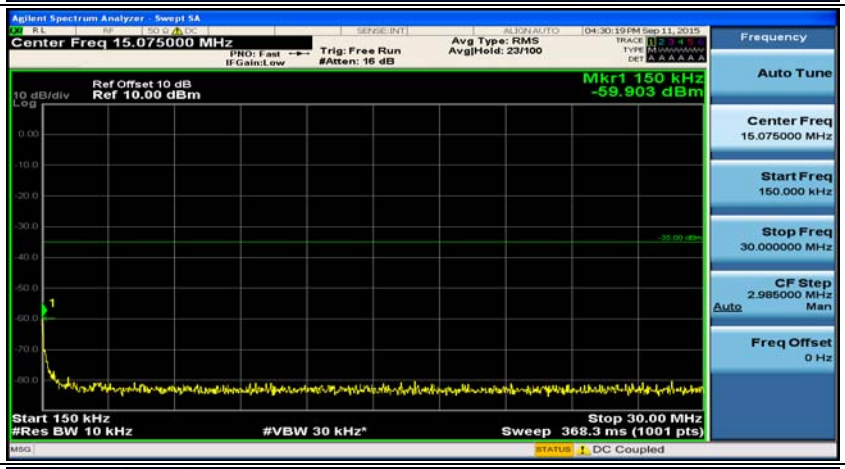
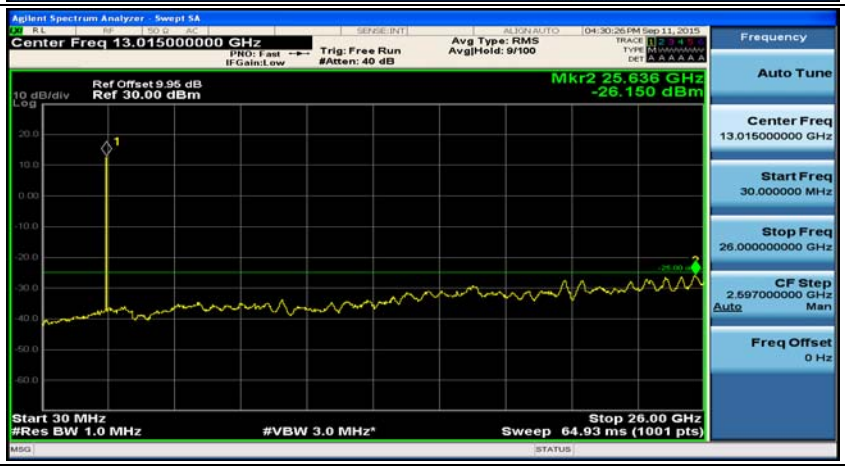
|---|
|   |
|   |
|   |

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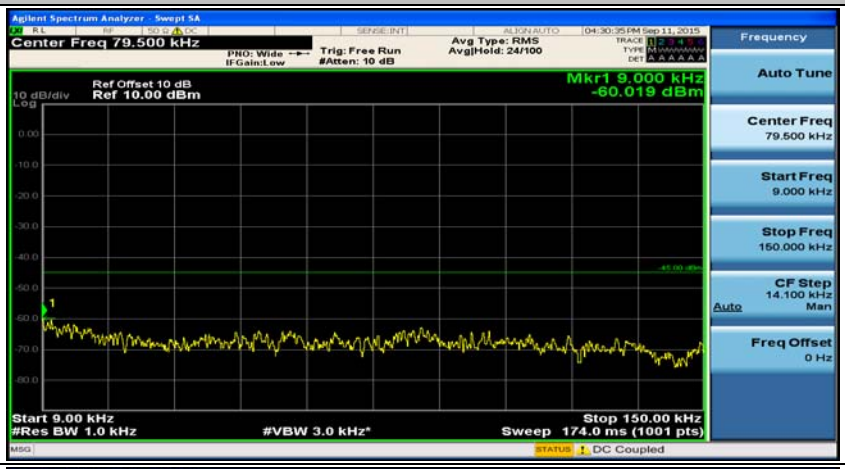
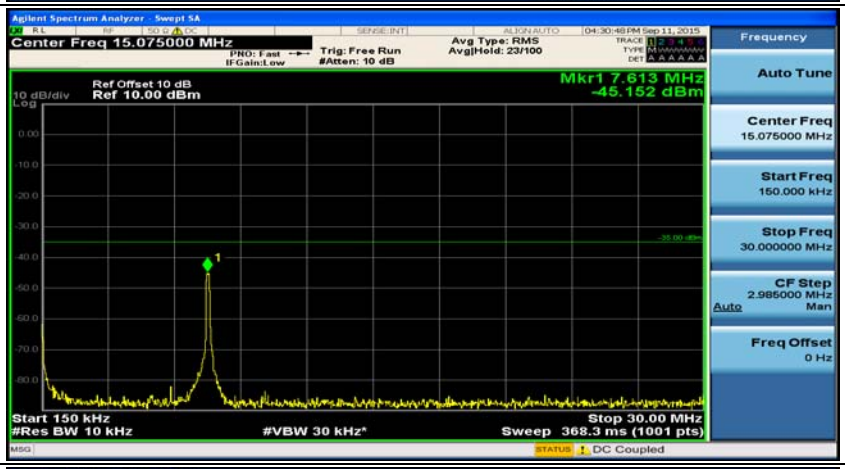
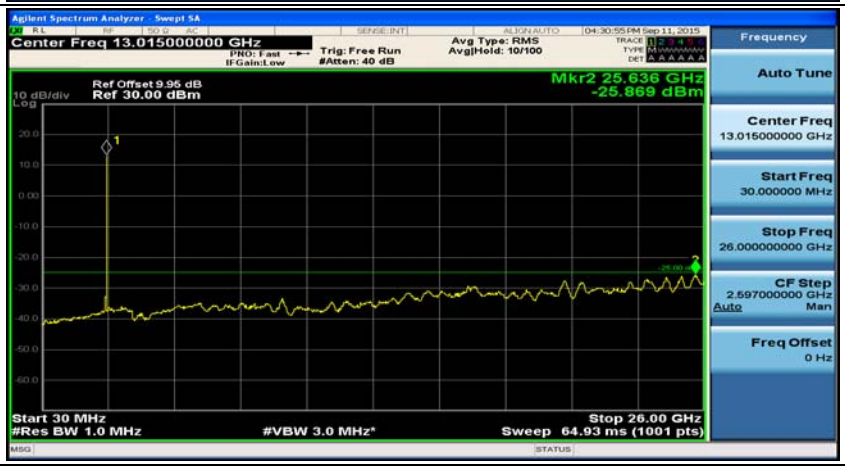
|---|
|  |
|  |
|  |

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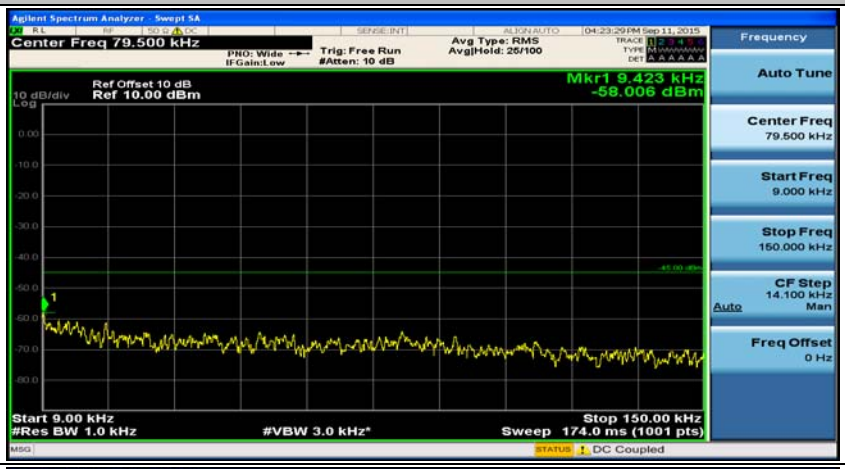
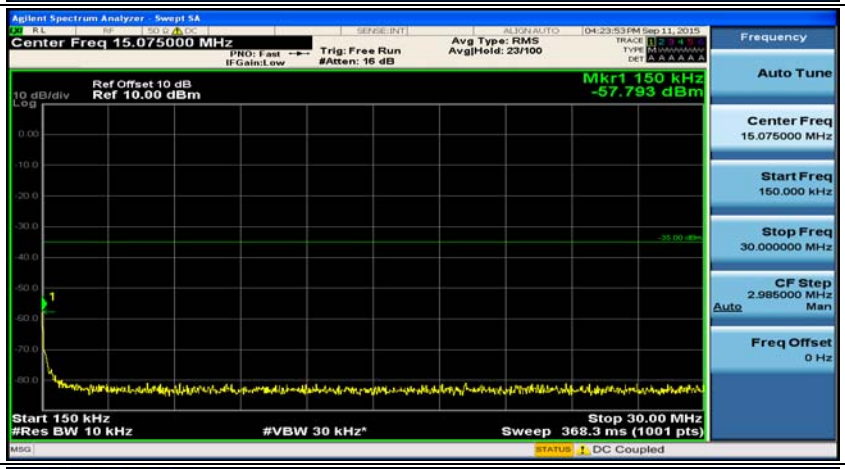
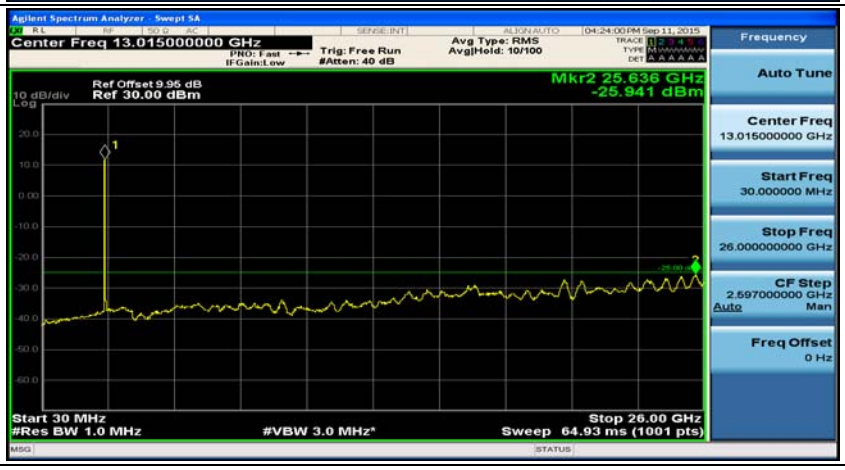
|---|
|  |
|  |
|  |

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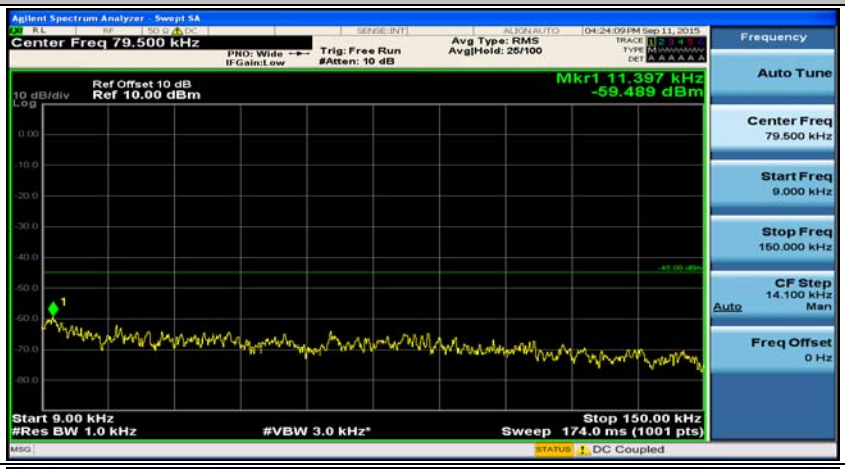
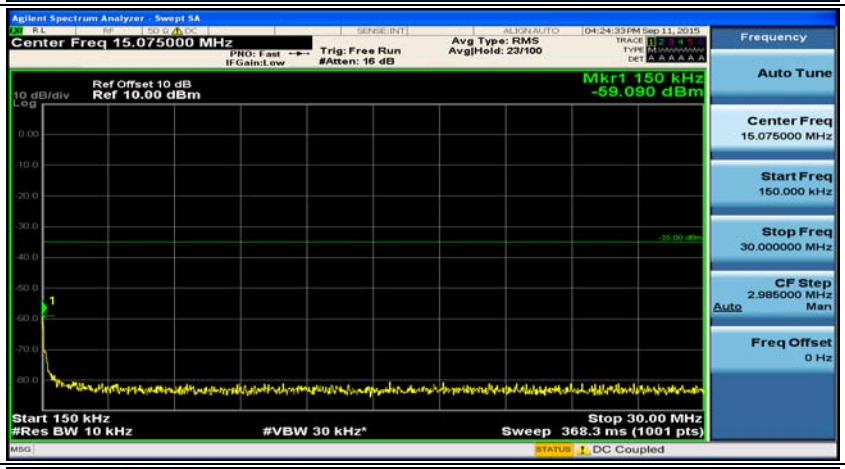
|  |
|  |
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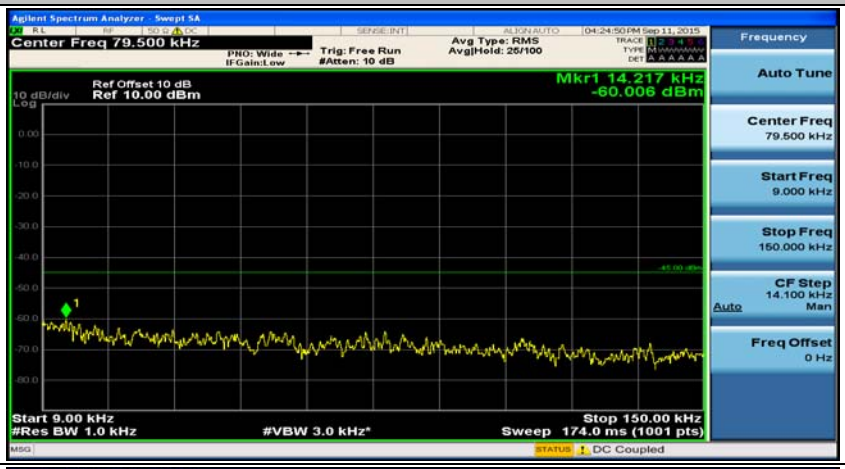
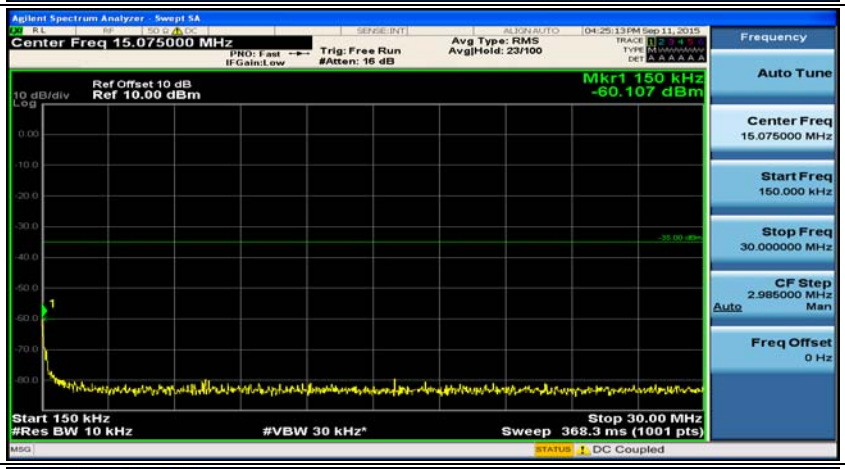
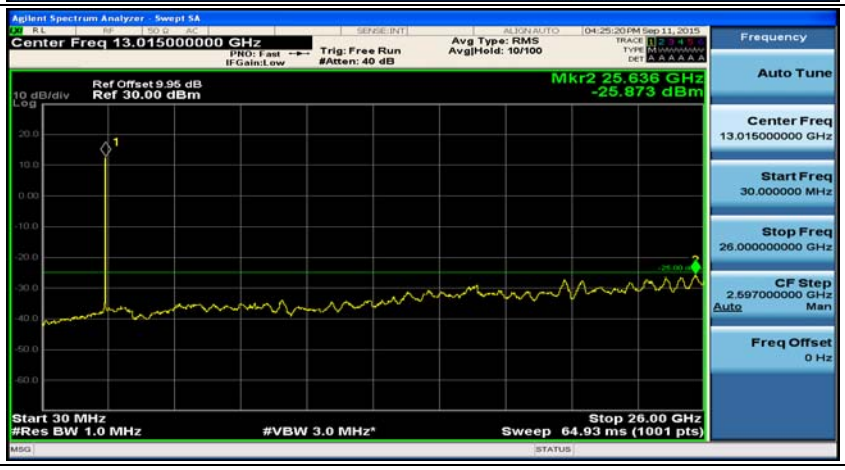
| (Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99 |
|---|
|  |
|  |
|  |

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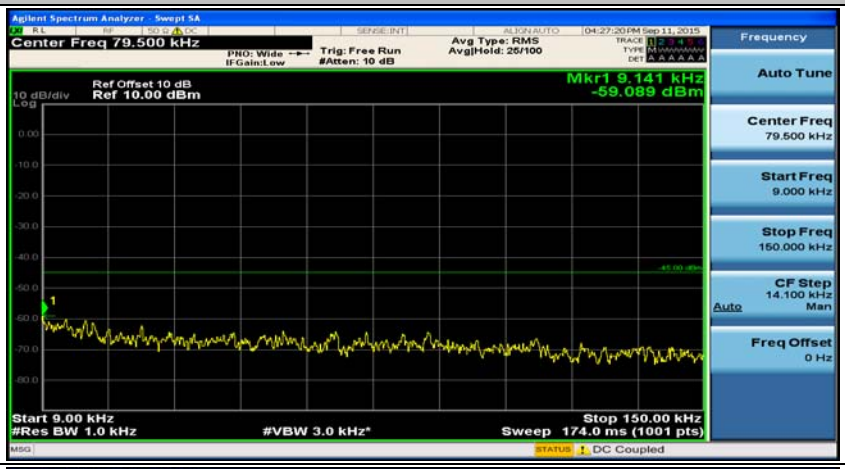
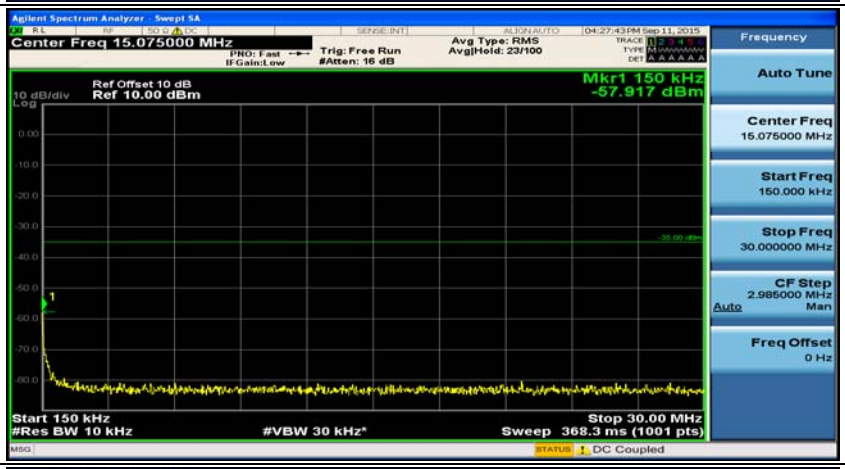
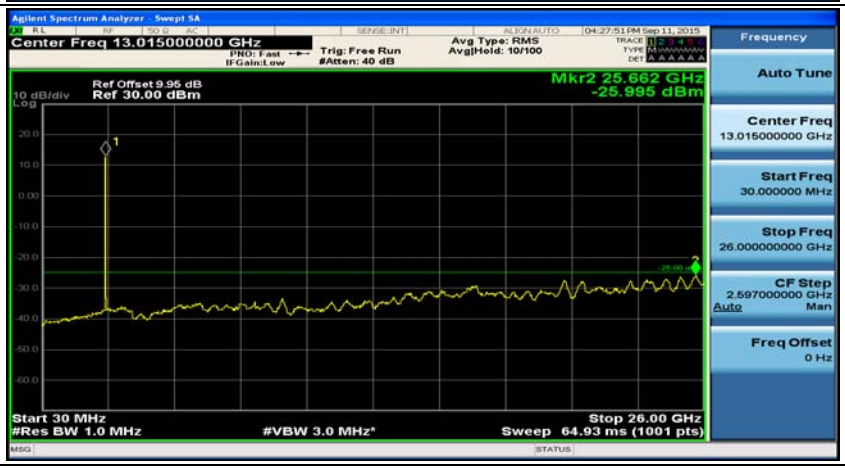
|---|
|   |
|   |
|   |

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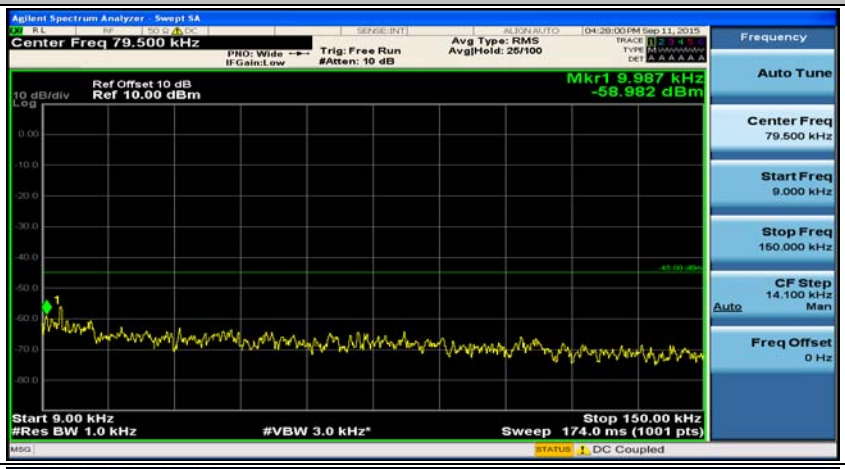
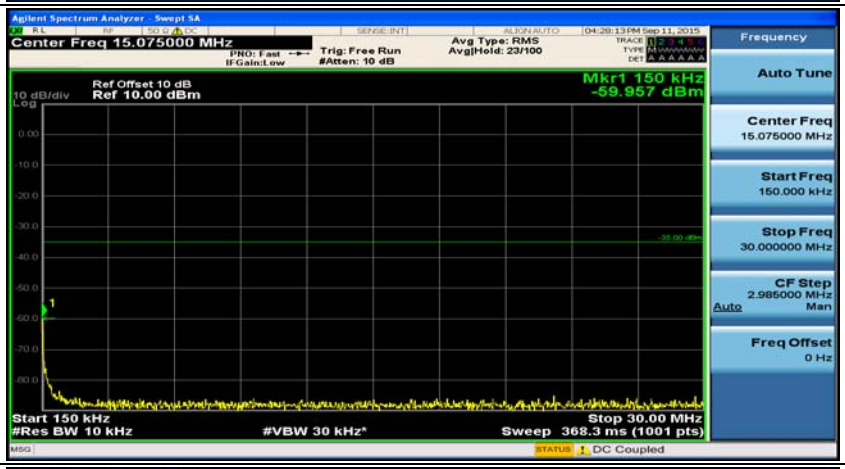
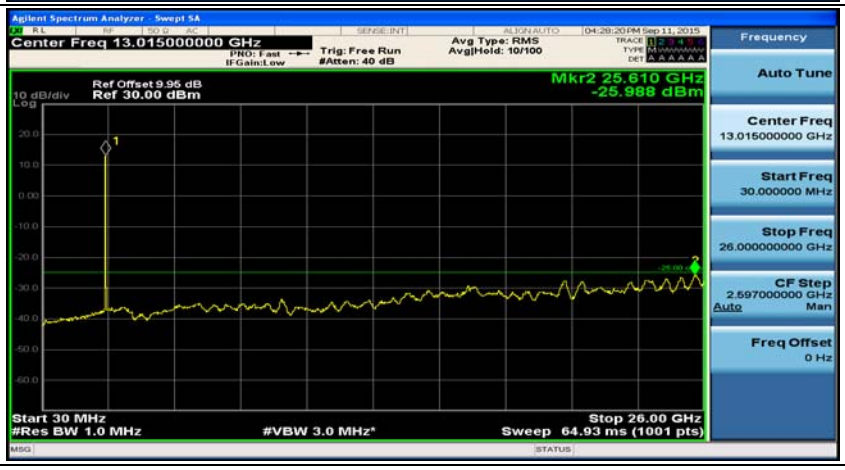
|  |
|  |
|  |

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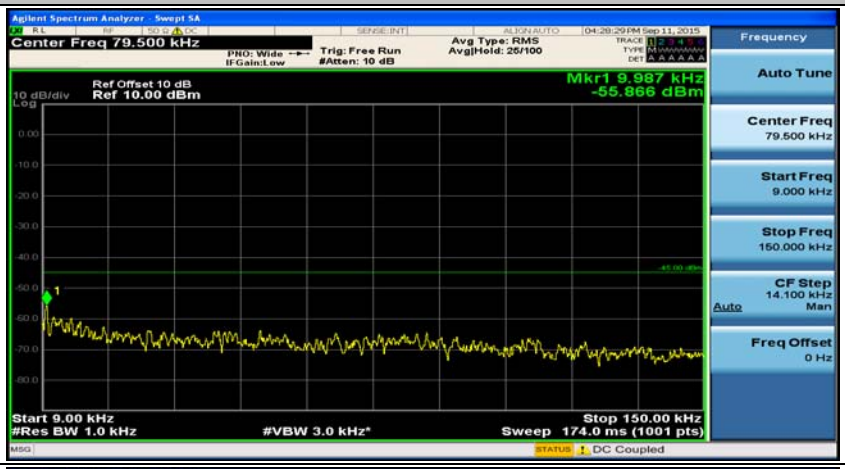
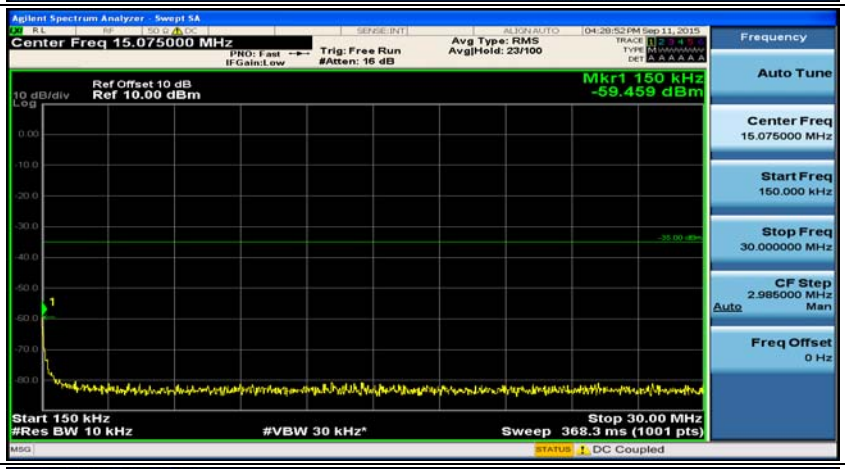
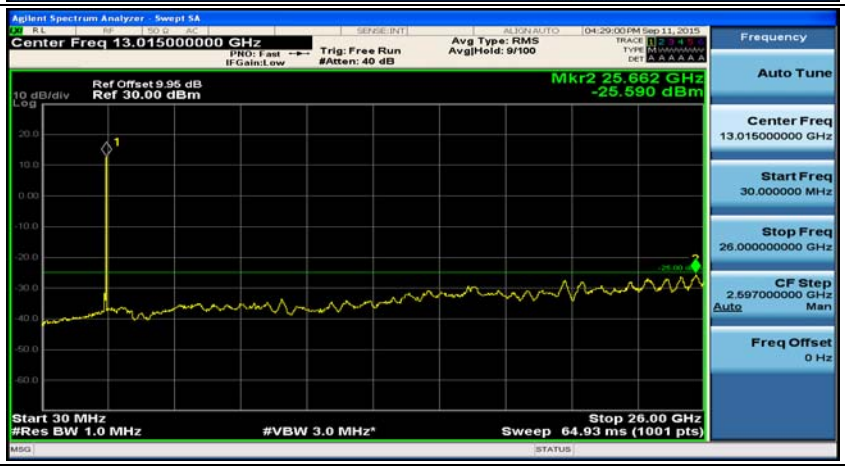
|---|
|   |
|   |
|   |

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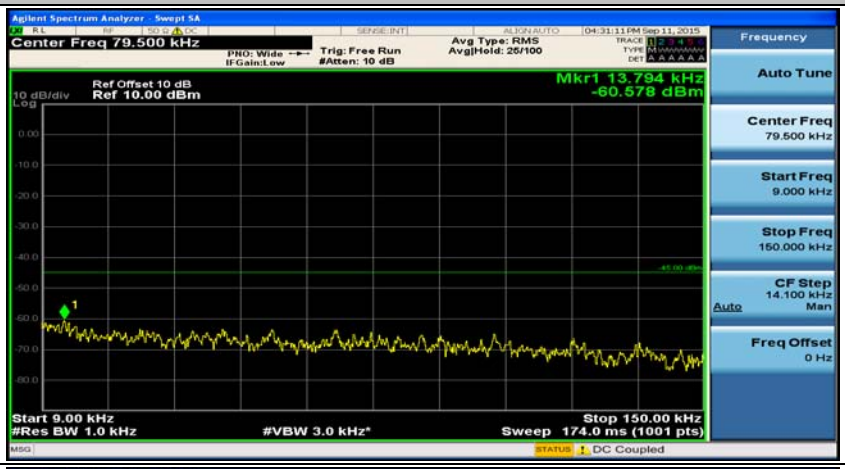
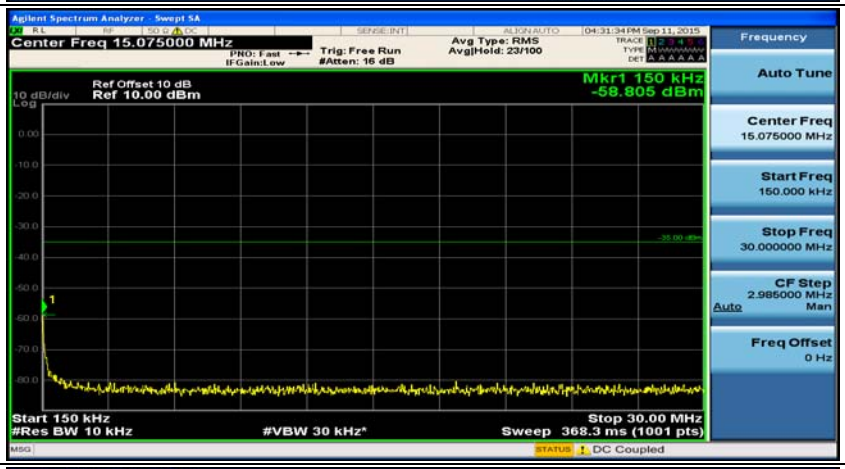
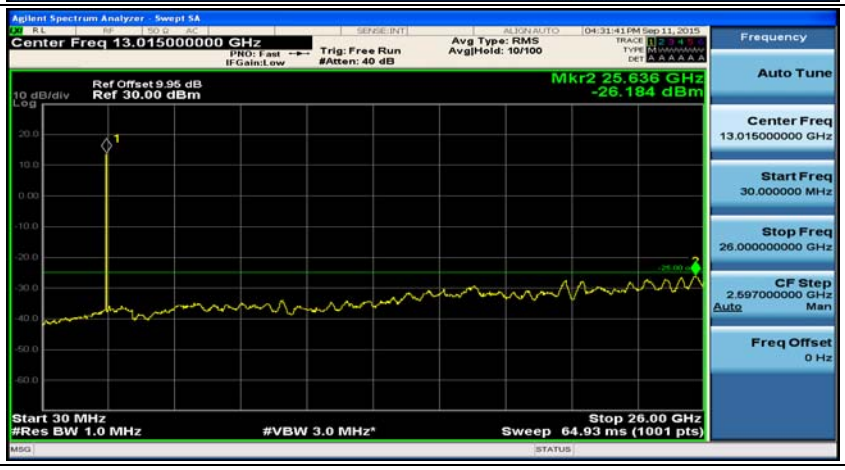
|---|
|  |
|  |
|  |

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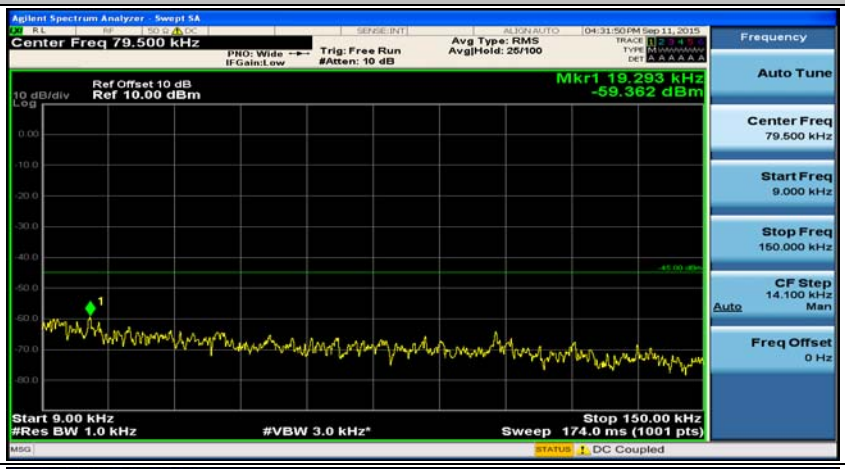
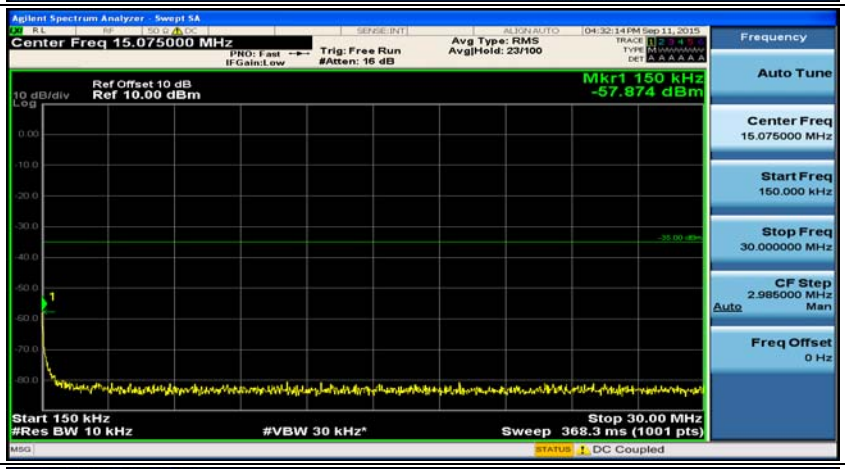
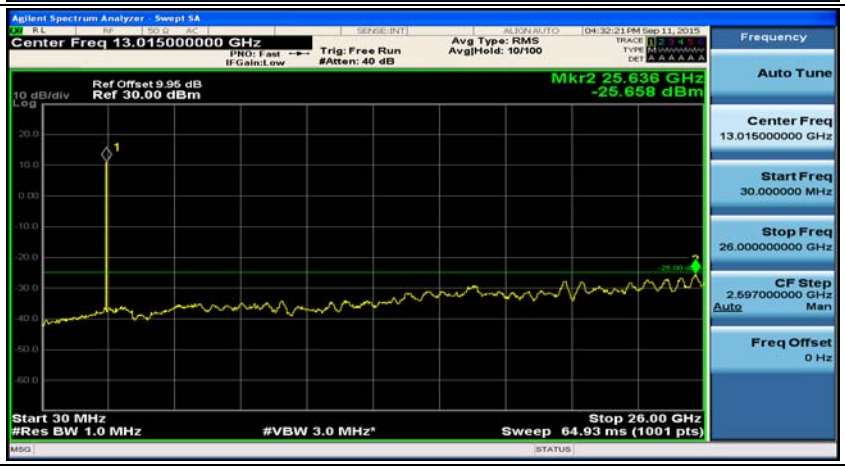
|   |
|   |
|   |

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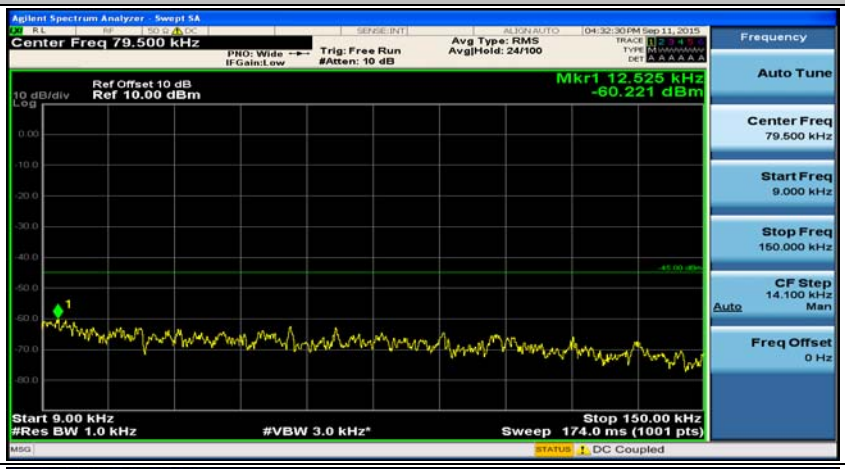
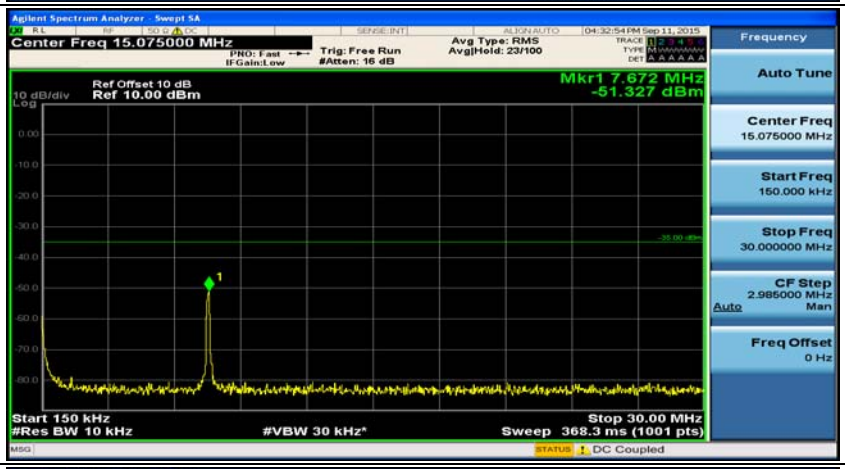
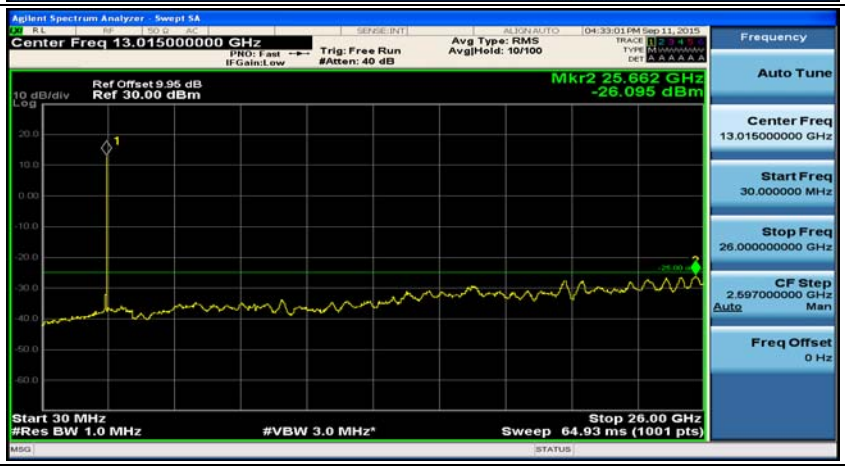
|---|
|  |
|  |
|  |

# Appendix F: Frequency Stability

## Test Result

## Channel Bandwidth: 5 MHz

| Channel Bandwidth: 5 MHz | | | | | | | |
|---|---|---|---|---|---|---|---|
| Voltage | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VL | TN | 5.94 | 0.002372 | ± 2.5 | PASS |
| | | VN | TN | 2.83 | 0.001132 | ± 2.5 | PASS |
| | | VH | TN | 2.95 | 0.001178 | ± 2.5 | PASS |
| | MCH | VL | TN | 1.07 | 0.000423 | ± 2.5 | PASS |
| | | VN | TN | 1.75 | 0.000688 | ± 2.5 | PASS |
| | | VH | TN | 3.15 | 0.001241 | ± 2.5 | PASS |
| | HCH | VL | TN | 0.84 | 0.000329 | ± 2.5 | PASS |
| | | VN | TN | 3.53 | 0.001376 | ± 2.5 | PASS |
| | | VH | TN | 3.40 | 0.001326 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | -0.96 | -0.000383 | ± 2.5 | PASS |
| | | VN | TN | -1.20 | -0.000480 | ± 2.5 | PASS |
| | | VH | TN | 1.90 | 0.000760 | ± 2.5 | PASS |
| | MCH | VL | TN | 0.24 | 0.000096 | ± 2.5 | PASS |
| | | VN | TN | 1.26 | 0.000497 | ± 2.5 | PASS |
| | | VH | TN | 2.26 | 0.000892 | ± 2.5 | PASS |
| | HCH | VL | TN | 5.52 | 0.002151 | ± 2.5 | PASS |
| | | VN | TN | 5.31 | 0.002067 | ± 2.5 | PASS |
| | | VH | TN | 0.89 | 0.000345 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VN | -30 | 4.33 | 0.001732 | ± 2.5 | PASS |
| | | VN | -20 | 2.99 | 0.001195 | ± 2.5 | PASS |
| | | VN | -10 | 0.77 | 0.000309 | ± 2.5 | PASS |
| | | VN | 0 | 2.92 | 0.001166 | ± 2.5 | PASS |
| | | VN | 10 | -1.24 | -0.000497 | ± 2.5 | PASS |
| | | VN | 20 | -1.66 | -0.000663 | ± 2.5 | PASS |
| | | VN | 30 | 4.12 | 0.001646 | ± 2.5 | PASS |
| | | VN | 40 | 1.59 | 0.000635 | ± 2.5 | PASS |
| | | VN | 50 | 3.06 | 0.001223 | ± 2.5 | PASS |
| | MCH | VN | -30 | 3.22 | 0.001270 | ± 2.5 | PASS |
| | | VN | -20 | 5.21 | 0.002054 | ± 2.5 | PASS |
| | | VN | -10 | 3.93 | 0.001552 | ± 2.5 | PASS |
| | | VN | 0 | -0.56 | -0.000220 | ± 2.5 | PASS |
| | | VN | 10 | 0.30 | 0.000119 | ± 2.5 | PASS |
| | | VN | 20 | 4.23 | 0.001670 | ± 2.5 | PASS |
| | | VN | 30 | 2.12 | 0.000835 | ± 2.5 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | VN | 40 | 2.63 | 0.001038 | ± 2.5 | PASS |
| | | VN | 50 | -2.45 | -0.000965 | ± 2.5 | PASS |
| | HCH | VN | -30 | 2.13 | 0.000830 | ± 2.5 | PASS |
| | | VN | -20 | 0.90 | 0.000351 | ± 2.5 | PASS |
| | | VN | -10 | 1.09 | 0.000423 | ± 2.5 | PASS |
| | | VN | 0 | 1.66 | 0.000646 | ± 2.5 | PASS |
| | | VN | 10 | 1.56 | 0.000607 | ± 2.5 | PASS |
| | | VN | 20 | 1.97 | 0.000769 | ± 2.5 | PASS |
| | | VN | 30 | 2.25 | 0.000875 | ± 2.5 | PASS |
| | | VN | 40 | 1.24 | 0.000485 | ± 2.5 | PASS |
| | | VN | 50 | -0.01 | -0.000006 | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | -1.24 | -0.000497 | ± 2.5 | PASS |
| | | VN | -20 | -0.21 | -0.000086 | ± 2.5 | PASS |
| | | VN | -10 | 2.60 | 0.001040 | ± 2.5 | PASS |
| | | VN | 0 | -1.46 | -0.000583 | ± 2.5 | PASS |
| | | VN | 10 | -0.33 | -0.000131 | ± 2.5 | PASS |
| | | VN | 20 | -1.22 | -0.000486 | ± 2.5 | PASS |
| | | VN | 30 | 0.79 | 0.000314 | ± 2.5 | PASS |
| | | VN | 40 | 1.47 | 0.000589 | ± 2.5 | PASS |
| | | VN | 50 | 3.02 | 0.001206 | ± 2.5 | PASS |
| | MCH | VN | -30 | 2.15 | 0.000846 | ± 2.5 | PASS |
| | | VN | -20 | 4.85 | 0.001913 | ± 2.5 | PASS |
| | | VN | -10 | -0.26 | -0.000102 | ± 2.5 | PASS |
| | | VN | 0 | 0.11 | 0.000045 | ± 2.5 | PASS |
| | | VN | 10 | 0.53 | 0.000209 | ± 2.5 | PASS |
| | | VN | 20 | 1.97 | 0.000779 | ± 2.5 | PASS |
| | | VN | 30 | 2.05 | 0.000807 | ± 2.5 | PASS |
| | | VN | 40 | 2.39 | 0.000942 | ± 2.5 | PASS |
| | | VN | 50 | 1.13 | 0.000446 | ± 2.5 | PASS |
| | HCH | VN | -30 | 3.89 | 0.001515 | ± 2.5 | PASS |
| | | VN | -20 | -1.70 | -0.000663 | ± 2.5 | PASS |
| | | VN | -10 | 6.84 | 0.002663 | ± 2.5 | PASS |
| | | VN | 0 | 0.89 | 0.000345 | ± 2.5 | PASS |
| | | VN | 10 | 1.23 | 0.000479 | ± 2.5 | PASS |
| | | VN | 20 | 3.00 | 0.001170 | ± 2.5 | PASS |
| | | VN | 30 | -5.81 | -0.002262 | ± 2.5 | PASS |
| | | VN | 40 | 2.23 | 0.000869 | ± 2.5 | PASS |
| | | VN | 50 | 4.71 | 0.001833 | ± 2.5 | PASS |

## Channel Bandwidth: 10 MHz

| Channel Bandwidth: 10 MHz | | | | | | | |
|---|---|---|---|---|---|---|---|
| Voltage | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VL | TN | 1.39 | 0.000554 | ± 2.5 | PASS |
| | | VN | TN | 2.42 | 0.000965 | ± 2.5 | PASS |
| | | VH | TN | 1.39 | 0.000554 | ± 2.5 | PASS |
| | MCH | VL | TN | 3.29 | 0.001298 | ± 2.5 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | VN | TN | 1.46 | 0.000576 | ± 2.5 | PASS |
| | | VH | TN | 1.83 | 0.000722 | ± 2.5 | PASS |
| | HCH | VL | TN | 2.78 | 0.001082 | ± 2.5 | PASS |
| | | VN | TN | 3.46 | 0.001350 | ± 2.5 | PASS |
| | | VH | TN | 3.76 | 0.001467 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | 2.73 | 0.001091 | ± 2.5 | PASS |
| | | VN | TN | 3.15 | 0.001256 | ± 2.5 | PASS |
| | | VH | TN | 3.30 | 0.001319 | ± 2.5 | PASS |
| | MCH | VL | TN | 0.33 | 0.000130 | ± 2.5 | PASS |
| | | VN | TN | 1.20 | 0.000474 | ± 2.5 | PASS |
| | | VH | TN | 2.13 | 0.000841 | ± 2.5 | PASS |
| | HCH | VL | TN | 4.29 | 0.001673 | ± 2.5 | PASS |
| | | VN | TN | 3.99 | 0.001556 | ± 2.5 | PASS |
| | | VH | TN | 2.30 | 0.000898 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 16QAM | LCH | VN | -30 | 1.19 | 0.000474 | ± 2.5 | PASS |
| | | VN | -20 | 1.32 | 0.000525 | ± 2.5 | PASS |
| | | VN | -10 | 2.79 | 0.001114 | ± 2.5 | PASS |
| | | VN | 0 | 1.33 | 0.000531 | ± 2.5 | PASS |
| | | VN | 10 | 2.35 | 0.000937 | ± 2.5 | PASS |
| | | VN | 20 | 3.03 | 0.001211 | ± 2.5 | PASS |
| | | VN | 30 | 1.53 | 0.000611 | ± 2.5 | PASS |
| | | VN | 40 | 1.62 | 0.000645 | ± 2.5 | PASS |
| | | VN | 50 | 1.65 | 0.000657 | ± 2.5 | PASS |
| | MCH | VN | -30 | 3.85 | 0.001518 | ± 2.5 | PASS |
| | | VN | -20 | 1.82 | 0.000717 | ± 2.5 | PASS |
| | | VN | -10 | 0.20 | 0.000079 | ± 2.5 | PASS |
| | | VN | 0 | 1.62 | 0.000638 | ± 2.5 | PASS |
| | | VN | 10 | 1.97 | 0.000779 | ± 2.5 | PASS |
| | | VN | 20 | 1.09 | 0.000429 | ± 2.5 | PASS |
| | | VN | 30 | 2.25 | 0.000886 | ± 2.5 | PASS |
| | | VN | 40 | 1.10 | 0.000435 | ± 2.5 | PASS |
| | | VN | 50 | 1.72 | 0.000677 | ± 2.5 | PASS |
| | HCH | VN | -30 | 1.79 | 0.000697 | ± 2.5 | PASS |
| | | VN | -20 | 4.01 | 0.001562 | ± 2.5 | PASS |
| | | VN | -10 | 1.10 | 0.000429 | ± 2.5 | PASS |
| | | VN | 0 | 2.29 | 0.000892 | ± 2.5 | PASS |
| | | VN | 10 | 2.69 | 0.001048 | ± 2.5 | PASS |
| | | VN | 20 | 3.65 | 0.001422 | ± 2.5 | PASS |
| | | VN | 30 | 0.62 | 0.000240 | ± 2.5 | PASS |
| | | VN | 40 | 1.07 | 0.000418 | ± 2.5 | PASS |
| | | VN | 50 | 1.76 | 0.000686 | ± 2.5 | PASS |
| QPSK | LCH | VN | -30 | 2.86 | 0.001142 | ± 2.5 | PASS |
| | | VN | -20 | 2.68 | 0.001068 | ± 2.5 | PASS |
| | | VN | -10 | 2.57 | 0.001028 | ± 2.5 | PASS |
| | | VN | 0 | 3.08 | 0.001228 | ± 2.5 | PASS |
| | | VN | 10 | -0.07 | -0.000029 | ± 2.5 | PASS |
| | | VN | 20 | 0.92 | 0.000365 | ± 2.5 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | VN | 30 | 2.47 | 0.000988 | ± 2.5 | PASS |
| | | VN | 40 | 0.64 | 0.000257 | ± 2.5 | PASS |
| | | VN | 50 | 3.18 | 0.001268 | ± 2.5 | PASS |
| | MCH | VN | -30 | 1.20 | 0.000474 | ± 2.5 | PASS |
| | | VN | -20 | 2.49 | 0.000982 | ± 2.5 | PASS |
| | | VN | -10 | 1.04 | 0.000412 | ± 2.5 | PASS |
| | | VN | 0 | 4.29 | 0.001693 | ± 2.5 | PASS |
| | | VN | 10 | 3.55 | 0.001399 | ± 2.5 | PASS |
| | | VN | 20 | 0.93 | 0.000367 | ± 2.5 | PASS |
| | | VN | 30 | 0.90 | 0.000356 | ± 2.5 | PASS |
| | | VN | 40 | 2.86 | 0.001129 | ± 2.5 | PASS |
| | | VN | 50 | 1.39 | 0.000547 | ± 2.5 | PASS |
| | HCH | VN | -30 | 2.29 | 0.000892 | ± 2.5 | PASS |
| | | VN | -20 | 3.71 | 0.001444 | ± 2.5 | PASS |
| | | VN | -10 | 1.59 | 0.000619 | ± 2.5 | PASS |
| | | VN | 0 | 3.39 | 0.001322 | ± 2.5 | PASS |
| | | VN | 10 | 1.70 | 0.000664 | ± 2.5 | PASS |
| | | VN | 20 | 1.89 | 0.000736 | ± 2.5 | PASS |
| | | VN | 30 | 2.88 | 0.001121 | ± 2.5 | PASS |
| | | VN | 40 | 3.96 | 0.001545 | ± 2.5 | PASS |
| | | VN | 50 | 2.60 | 0.001015 | ± 2.5 | PASS |

## Channel Bandwidth: 15 MHz

| Channel Bandwidth: 15 MHz | | | | | | | |
|---|---|---|---|---|---|---|---|
| Voltage | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VL | TN | 2.05 | 0.000816 | ± 2.5 | PASS |
| | | VN | TN | 2.52 | 0.001004 | ± 2.5 | PASS |
| | | VH | TN | 1.30 | 0.000519 | ± 2.5 | PASS |
| | MCH | VL | TN | 3.12 | 0.001230 | ± 2.5 | PASS |
| | | VN | TN | 2.57 | 0.001016 | ± 2.5 | PASS |
| | | VH | TN | 5.15 | 0.002031 | ± 2.5 | PASS |
| | HCH | VL | TN | 1.22 | 0.000475 | ± 2.5 | PASS |
| | | VN | TN | 0.92 | 0.000357 | ± 2.5 | PASS |
| | | VH | TN | 2.25 | 0.000876 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | 2.68 | 0.001067 | ± 2.5 | PASS |
| | | VN | TN | 3.66 | 0.001460 | ± 2.5 | PASS |
| | | VH | TN | 1.04 | 0.000416 | ± 2.5 | PASS |
| | MCH | VL | TN | 2.37 | 0.000937 | ± 2.5 | PASS |
| | | VN | TN | 2.93 | 0.001157 | ± 2.5 | PASS |
| | | VH | TN | 2.15 | 0.000846 | ± 2.5 | PASS |
| | HCH | VL | TN | 1.32 | 0.000514 | ± 2.5 | PASS |
| | | VN | TN | 4.22 | 0.001647 | ± 2.5 | PASS |
| | | VH | TN | 2.86 | 0.001116 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| QPSK | LCH | VN | -30 | 1.95 | 0.000776 | ± 2.5 | PASS |
| | | VN | -20 | 2.10 | 0.000839 | ± 2.5 | PASS |
| | | VN | -10 | 1.79 | 0.000713 | ± 2.5 | PASS |
| | | VN | 0 | 1.10 | 0.000439 | ± 2.5 | PASS |
| | | VN | 10 | 2.73 | 0.001090 | ± 2.5 | PASS |
| | | VN | 20 | 0.94 | 0.000377 | ± 2.5 | PASS |
| | | VN | 30 | 2.66 | 0.001061 | ± 2.5 | PASS |
| | | VN | 40 | 0.44 | 0.000177 | ± 2.5 | PASS |
| | | VN | 50 | 1.63 | 0.000650 | ± 2.5 | PASS |
| | MCH | VN | -30 | 1.62 | 0.000638 | ± 2.5 | PASS |
| | | VN | -20 | 1.42 | 0.000559 | ± 2.5 | PASS |
| | | VN | -10 | 0.89 | 0.000350 | ± 2.5 | PASS |
| | | VN | 0 | 2.47 | 0.000976 | ± 2.5 | PASS |
| | | VN | 10 | 1.77 | 0.000700 | ± 2.5 | PASS |
| | | VN | 20 | 3.39 | 0.001337 | ± 2.5 | PASS |
| | | VN | 30 | 3.05 | 0.001202 | ± 2.5 | PASS |
| | | VN | 40 | 1.59 | 0.000626 | ± 2.5 | PASS |
| | | VN | 50 | 1.67 | 0.000660 | ± 2.5 | PASS |
| | HCH | VN | -30 | 2.29 | 0.000893 | ± 2.5 | PASS |
| | | VN | -20 | 2.29 | 0.000893 | ± 2.5 | PASS |
| | | VN | -10 | 2.06 | 0.000804 | ± 2.5 | PASS |
| | | VN | 0 | 2.49 | 0.000971 | ± 2.5 | PASS |
| | | VN | 10 | 0.57 | 0.000223 | ± 2.5 | PASS |
| | | VN | 20 | 1.90 | 0.000742 | ± 2.5 | PASS |
| | | VN | 30 | 2.16 | 0.000843 | ± 2.5 | PASS |
| | | VN | 40 | 1.76 | 0.000687 | ± 2.5 | PASS |
| | | VN | 50 | 0.99 | 0.000385 | ± 2.5 | PASS |
| QPSK | LCH | VN | -30 | 1.89 | 0.000753 | ± 2.5 | PASS |
| | | VN | -20 | 1.73 | 0.000690 | ± 2.5 | PASS |
| | | VN | -10 | 1.62 | 0.000645 | ± 2.5 | PASS |
| | | VN | 0 | 2.66 | 0.001061 | ± 2.5 | PASS |
| | | VN | 10 | 4.13 | 0.001649 | ± 2.5 | PASS |
| | | VN | 20 | 2.40 | 0.000958 | ± 2.5 | PASS |
| | | VN | 30 | 1.82 | 0.000725 | ± 2.5 | PASS |
| | | VN | 40 | 1.34 | 0.000536 | ± 2.5 | PASS |
| | | VN | 50 | 2.13 | 0.000850 | ± 2.5 | PASS |
| | MCH | VN | -30 | 1.67 | 0.000660 | ± 2.5 | PASS |
| | | VN | -20 | 0.70 | 0.000277 | ± 2.5 | PASS |
| | | VN | -10 | 3.96 | 0.001563 | ± 2.5 | PASS |
| | | VN | 0 | 1.32 | 0.000519 | ± 2.5 | PASS |
| | | VN | 10 | 3.18 | 0.001253 | ± 2.5 | PASS |
| | | VN | 20 | 2.68 | 0.001055 | ± 2.5 | PASS |
| | | VN | 30 | 1.76 | 0.000694 | ± 2.5 | PASS |
| | | VN | 40 | 1.97 | 0.000779 | ± 2.5 | PASS |
| | | VN | 50 | 1.20 | 0.000474 | ± 2.5 | PASS |
| | HCH | VN | -30 | 1.14 | 0.000447 | ± 2.5 | PASS |
| | | VN | -20 | 2.35 | 0.000916 | ± 2.5 | PASS |
| | | VN | -10 | 1.62 | 0.000631 | ± 2.5 | PASS |
| | | VN | 0 | 2.17 | 0.000849 | ± 2.5 | PASS |
| | | VN | 10 | 1.99 | 0.000776 | ± 2.5 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | VN | 20 | 0.53 | 0.000207 | ± 2.5 | PASS |
| | | VN | 30 | 1.79 | 0.000698 | ± 2.5 | PASS |
| | | VN | 40 | 2.85 | 0.001111 | ± 2.5 | PASS |
| | | VN | 50 | 2.22 | 0.000865 | ± 2.5 | PASS |

## Channel Bandwidth: 20 MHz

| Channel Bandwidth: 20 MHz | | | | | | | |
|---|---|---|---|---|---|---|---|
| Voltage | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VL | TN | 1.97 | 0.000786 | ± 2.5 | PASS |
| | | VN | TN | 2.25 | 0.000895 | ± 2.5 | PASS |
| | | VH | TN | -2.12 | -0.000843 | ± 2.5 | PASS |
| | MCH | VL | TN | 3.48 | 0.001371 | ± 2.5 | PASS |
| | | VN | TN | 3.00 | 0.001185 | ± 2.5 | PASS |
| | | VH | TN | 2.75 | 0.001083 | ± 2.5 | PASS |
| | HCH | VL | TN | -0.41 | -0.000162 | ± 2.5 | PASS |
| | | VN | TN | -1.39 | -0.000542 | ± 2.5 | PASS |
| | | VH | TN | -2.12 | -0.000827 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | 3.45 | 0.001374 | ± 2.5 | PASS |
| | | VN | TN | 2.47 | 0.000986 | ± 2.5 | PASS |
| | | VH | TN | 1.57 | 0.000627 | ± 2.5 | PASS |
| | MCH | VL | TN | 2.13 | 0.000841 | ± 2.5 | PASS |
| | | VN | TN | -1.07 | -0.000423 | ± 2.5 | PASS |
| | | VH | TN | 0.21 | 0.000085 | ± 2.5 | PASS |
| | HCH | VL | TN | -1.53 | -0.000598 | ± 2.5 | PASS |
| | | VN | TN | -3.19 | -0.001246 | ± 2.5 | PASS |
| | | VH | TN | -1.22 | -0.000475 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VN | -30 | 0.79 | 0.000313 | ± 2.5 | PASS |
| | | VN | -20 | 1.43 | 0.000570 | ± 2.5 | PASS |
| | | VN | -10 | 1.67 | 0.000667 | ± 2.5 | PASS |
| | | VN | 0 | 1.76 | 0.000701 | ± 2.5 | PASS |
| | | VN | 10 | 2.10 | 0.000838 | ± 2.5 | PASS |
| | | VN | 20 | 2.80 | 0.001117 | ± 2.5 | PASS |
| | | VN | 30 | 2.59 | 0.001032 | ± 2.5 | PASS |
| | | VN | 40 | 0.67 | 0.000268 | ± 2.5 | PASS |
| | | VN | 50 | 2.46 | 0.000980 | ± 2.5 | PASS |
| | MCH | VN | -30 | 2.30 | 0.000909 | ± 2.5 | PASS |
| | | VN | -20 | 2.65 | 0.001044 | ± 2.5 | PASS |
| | | VN | -10 | 2.25 | 0.000886 | ± 2.5 | PASS |
| | | VN | 0 | 0.97 | 0.000384 | ± 2.5 | PASS |
| | | VN | 10 | 0.56 | 0.000220 | ± 2.5 | PASS |
| | | VN | 20 | 1.26 | 0.000497 | ± 2.5 | PASS |
| | | VN | 30 | 2.27 | 0.000897 | ± 2.5 | PASS |
| | | VN | 40 | 1.95 | 0.000767 | ± 2.5 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | VN | 50 | 1.23 | 0.000485 | ± 2.5 | PASS |
| | HCH | VN | -30 | -3.00 | -0.001173 | ± 2.5 | PASS |
| | | VN | -20 | -1.37 | -0.000536 | ± 2.5 | PASS |
| | | VN | -10 | -1.20 | -0.000469 | ± 2.5 | PASS |
| | | VN | 0 | -0.86 | -0.000335 | ± 2.5 | PASS |
| | | VN | 10 | -0.46 | -0.000179 | ± 2.5 | PASS |
| | | VN | 20 | -0.51 | -0.000201 | ± 2.5 | PASS |
| | | VN | 30 | -0.14 | -0.000056 | ± 2.5 | PASS |
| | | VN | 40 | -0.92 | -0.000358 | ± 2.5 | PASS |
| | | VN | 50 | -2.92 | -0.001140 | ± 2.5 | PASS |
| QPSK | LCH | VN | -30 | 2.33 | 0.000929 | ± 2.5 | PASS |
| | | VN | -20 | 3.25 | 0.001294 | ± 2.5 | PASS |
| | | VN | -10 | 3.39 | 0.001351 | ± 2.5 | PASS |
| | | VN | 0 | 2.02 | 0.000804 | ± 2.5 | PASS |
| | | VN | 10 | 1.16 | 0.000462 | ± 2.5 | PASS |
| | | VN | 20 | 1.42 | 0.000564 | ± 2.5 | PASS |
| | | VN | 30 | 2.65 | 0.001054 | ± 2.5 | PASS |
| | | VN | 40 | 1.43 | 0.000570 | ± 2.5 | PASS |
| | | VN | 50 | 1.09 | 0.000433 | ± 2.5 | PASS |
| | MCH | VN | -30 | 1.79 | 0.000705 | ± 2.5 | PASS |
| | | VN | -20 | 0.82 | 0.000322 | ± 2.5 | PASS |
| | | VN | -10 | 3.03 | 0.001196 | ± 2.5 | PASS |
| | | VN | 0 | 2.57 | 0.001016 | ± 2.5 | PASS |
| | | VN | 10 | 1.10 | 0.000435 | ± 2.5 | PASS |
| | | VN | 20 | 3.25 | 0.001281 | ± 2.5 | PASS |
| | | VN | 30 | 2.66 | 0.001050 | ± 2.5 | PASS |
| | | VN | 40 | 0.80 | 0.000316 | ± 2.5 | PASS |
| | | VN | 50 | 3.75 | 0.001478 | ± 2.5 | PASS |
| | HCH | VN | -30 | 0.43 | 0.000168 | ± 2.5 | PASS |
| | | VN | -20 | -0.54 | -0.000212 | ± 2.5 | PASS |
| | | VN | -10 | -1.90 | -0.000743 | ± 2.5 | PASS |
| | | VN | 0 | -0.14 | -0.000056 | ± 2.5 | PASS |
| | | VN | 10 | -0.66 | -0.000257 | ± 2.5 | PASS |
| | | VN | 20 | -1.04 | -0.000408 | ± 2.5 | PASS |
| | | VN | 30 | -1.39 | -0.000542 | ± 2.5 | PASS |
| | | VN | 40 | -1.13 | -0.000441 | ± 2.5 | PASS |
| | | VN | 50 | -0.80 | -0.000313 | ± 2.5 | PASS |