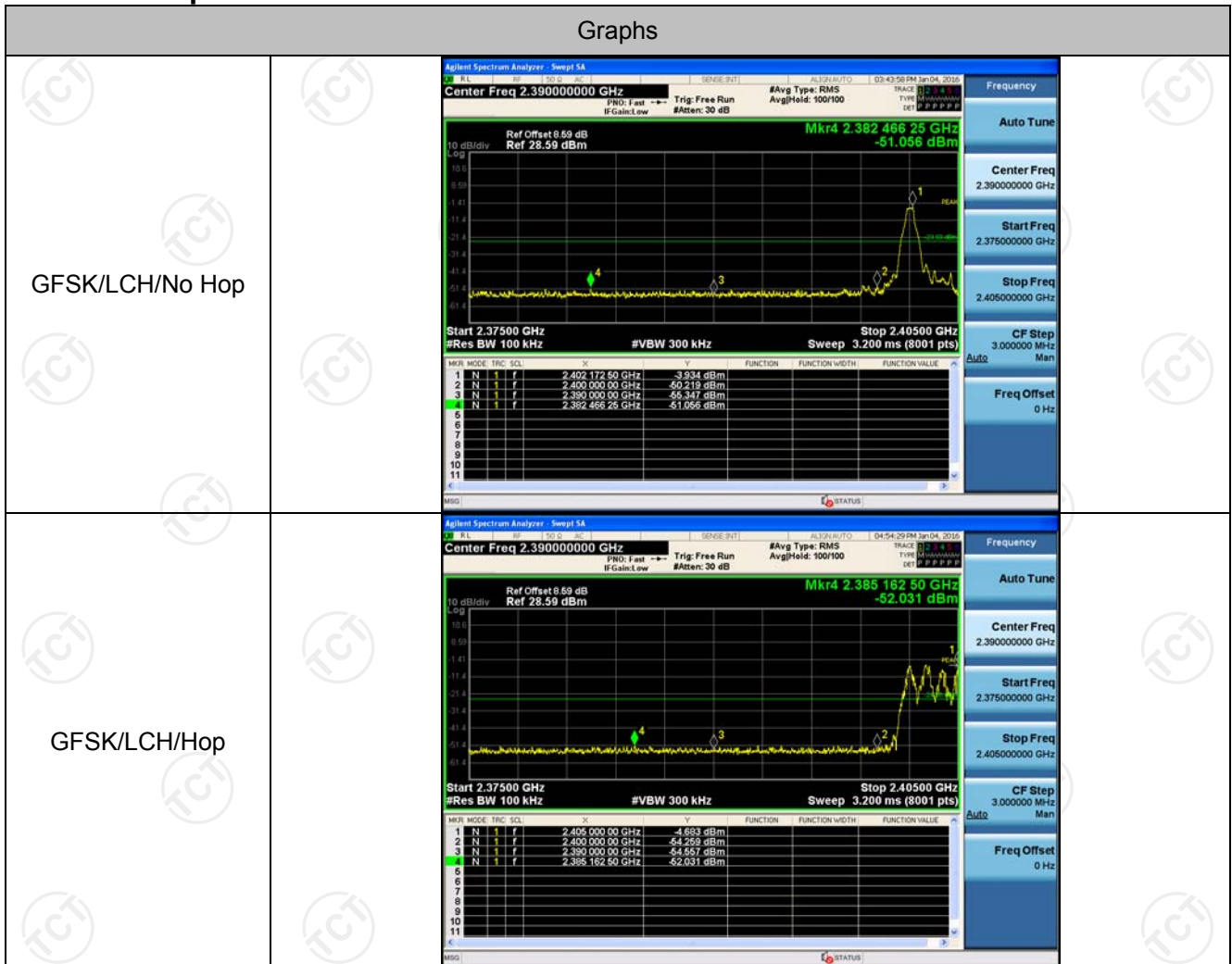


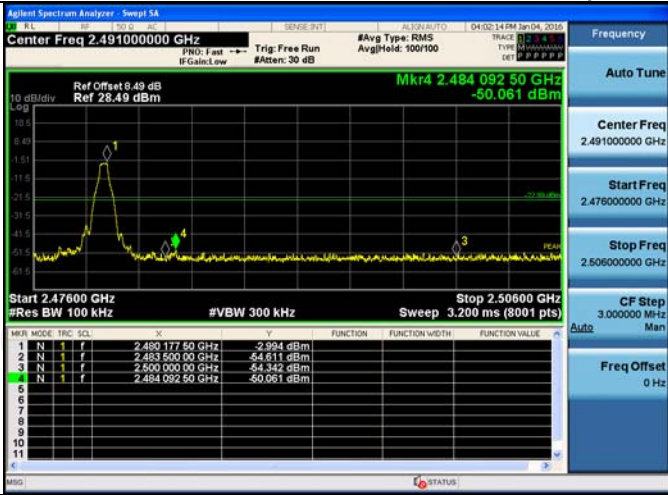
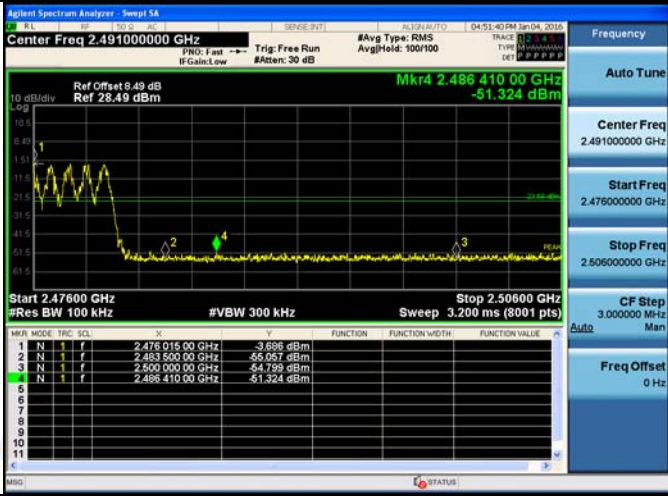
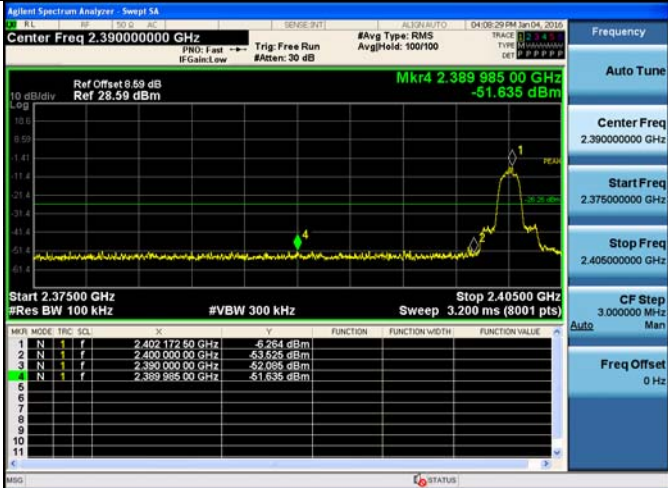
Band-edge for RF Conducted Emissions

Result Table

| Mode | Channel | Carrier Frequency [MHz] | Carrier Power [dBm] | Frequency Hopping | Max Spurious Level [dBm] | Limit [dBm] | Verdict |
|---------------|---------|-------------------------|---------------------|-------------------|--------------------------|-------------|---------|
| GFSK | LCH | 2402 | -3.934 | Off | -51.056 | -23.93 | PASS |
| | | | -4.683 | On | -52.031 | -24.68 | PASS |
| GFSK | HCH | 2480 | -2.994 | Off | -50.061 | -22.99 | PASS |
| | | | -3.686 | On | -51.324 | -23.69 | PASS |
| $\pi/4$ DQPSK | LCH | 2402 | -6.264 | Off | -51.635 | -26.26 | PASS |
| | | | -5.509 | On | -51.591 | -25.51 | PASS |
| $\pi/4$ DQPSK | HCH | 2480 | -4.872 | Off | -49.949 | -24.87 | PASS |
| | | | -5.534 | On | -50.523 | -25.53 | PASS |
| 8DPSK | LCH | 2402 | -6.196 | Off | -51.953 | -26.2 | PASS |
| | | | -8.167 | On | -50.945 | -28.17 | PASS |
| 8DPSK | HCH | 2480 | -4.842 | Off | -50.873 | -24.84 | PASS |
| | | | -4.719 | On | -50.689 | -24.72 | PASS |

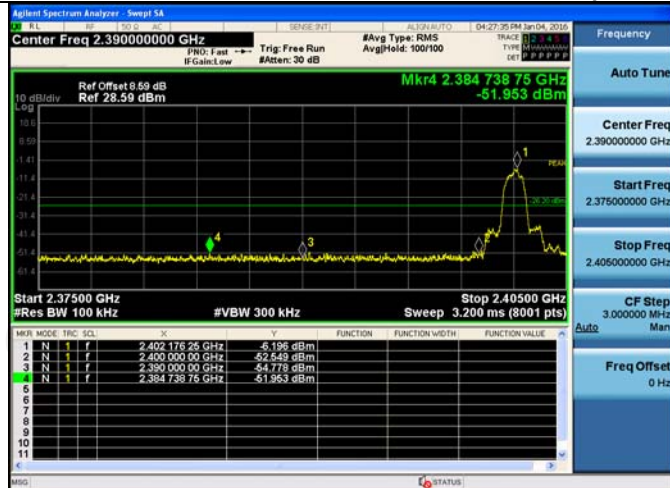
Test Graph



| | |
|---|--|
| <p>GFSK/HCH/No Hop</p> |  |
| <p>GFSK/HCH/Hop</p> |  |
| <p>$\pi/4$DQPSK/LCH/No Hop</p> |  |

| <p>$\pi/4$DQPSK/LCH/Hop</p> | <p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.39000000 GHz</p> <p>Ref Offset 6.69 dB Ref 28.59 dBm</p> <p>Mkr4 2.38539125 GHz -51.591 dBm</p> <p>Start 2.37500 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.40500 GHz Sweep 3.200 ms (8001 pts)</p> <table border="1"> <thead> <tr> <th>MNR</th> <th>MODE</th> <th>TRIG</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>2.40402876 GHz</td> <td>-5.609 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>2.40000000 GHz</td> <td>-54.168 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>2.39500000 GHz</td> <td>-55.232 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>1</td> <td>f</td> <td>2.38539126 GHz</td> <td>-51.591 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | MNR | MODE | TRIG | SCL | X | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 2.40402876 GHz | -5.609 dBm | | | | 2 | N | 1 | f | 2.40000000 GHz | -54.168 dBm | | | | 3 | N | 1 | f | 2.39500000 GHz | -55.232 dBm | | | | 4 | N | 1 | f | 2.38539126 GHz | -51.591 dBm | | | |
|---|--|------|------|----------------|-------------|----------|----------------|----------------|----------------|----------------|---|---|---|---|----------------|-------------|--|--|--|---|---|---|---|----------------|-------------|--|--|--|---|---|---|---|----------------|-------------|--|--|--|---|---|---|---|----------------|-------------|--|--|--|
| MNR | MODE | TRIG | SCL | X | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | N | 1 | f | 2.40402876 GHz | -5.609 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | N | 1 | f | 2.40000000 GHz | -54.168 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | N | 1 | f | 2.39500000 GHz | -55.232 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | N | 1 | f | 2.38539126 GHz | -51.591 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>$\pi/4$DQPSK/HCH/No Hop</p> | <p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.49100000 GHz</p> <p>Ref Offset 6.49 dB Ref 28.49 dBm</p> <p>Mkr4 2.49620875 GHz -49.949 dBm</p> <p>Start 2.47600 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.50600 GHz Sweep 3.200 ms (8001 pts)</p> <table border="1"> <thead> <tr> <th>MNR</th> <th>MODE</th> <th>TRIG</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>2.49002000 GHz</td> <td>-47.772 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>2.48350000 GHz</td> <td>-54.293 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>2.50000000 GHz</td> <td>-54.093 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>1</td> <td>f</td> <td>2.49620876 GHz</td> <td>-49.949 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | MNR | MODE | TRIG | SCL | X | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 2.49002000 GHz | -47.772 dBm | | | | 2 | N | 1 | f | 2.48350000 GHz | -54.293 dBm | | | | 3 | N | 1 | f | 2.50000000 GHz | -54.093 dBm | | | | 4 | N | 1 | f | 2.49620876 GHz | -49.949 dBm | | | |
| MNR | MODE | TRIG | SCL | X | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | N | 1 | f | 2.49002000 GHz | -47.772 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | N | 1 | f | 2.48350000 GHz | -54.293 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | N | 1 | f | 2.50000000 GHz | -54.093 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | N | 1 | f | 2.49620876 GHz | -49.949 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>$\pi/4$DQPSK/HCH/Hop</p> | <p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.49100000 GHz</p> <p>Ref Offset 6.49 dB Ref 28.49 dBm</p> <p>Mkr4 2.49445375 GHz -50.523 dBm</p> <p>Start 2.47600 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.50600 GHz Sweep 3.200 ms (8001 pts)</p> <table border="1"> <thead> <tr> <th>MNR</th> <th>MODE</th> <th>TRIG</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>2.47603626 GHz</td> <td>5.534 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>2.48350000 GHz</td> <td>-53.972 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>2.50000000 GHz</td> <td>-52.832 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>1</td> <td>f</td> <td>2.49445376 GHz</td> <td>-50.523 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | MNR | MODE | TRIG | SCL | X | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 2.47603626 GHz | 5.534 dBm | | | | 2 | N | 1 | f | 2.48350000 GHz | -53.972 dBm | | | | 3 | N | 1 | f | 2.50000000 GHz | -52.832 dBm | | | | 4 | N | 1 | f | 2.49445376 GHz | -50.523 dBm | | | |
| MNR | MODE | TRIG | SCL | X | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | N | 1 | f | 2.47603626 GHz | 5.534 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | N | 1 | f | 2.48350000 GHz | -53.972 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | N | 1 | f | 2.50000000 GHz | -52.832 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | N | 1 | f | 2.49445376 GHz | -50.523 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

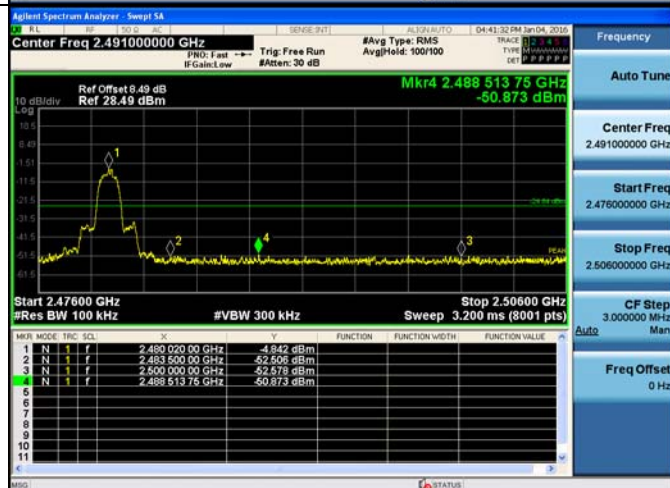
8DPSK/LCH/No Hop



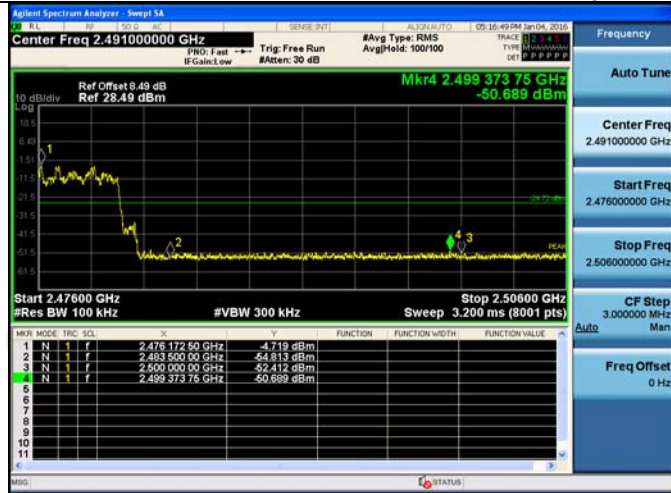
8DPSK/LCH/Hop



8DPSK/HCH/No Hop



8DPSK/HCH/Hop

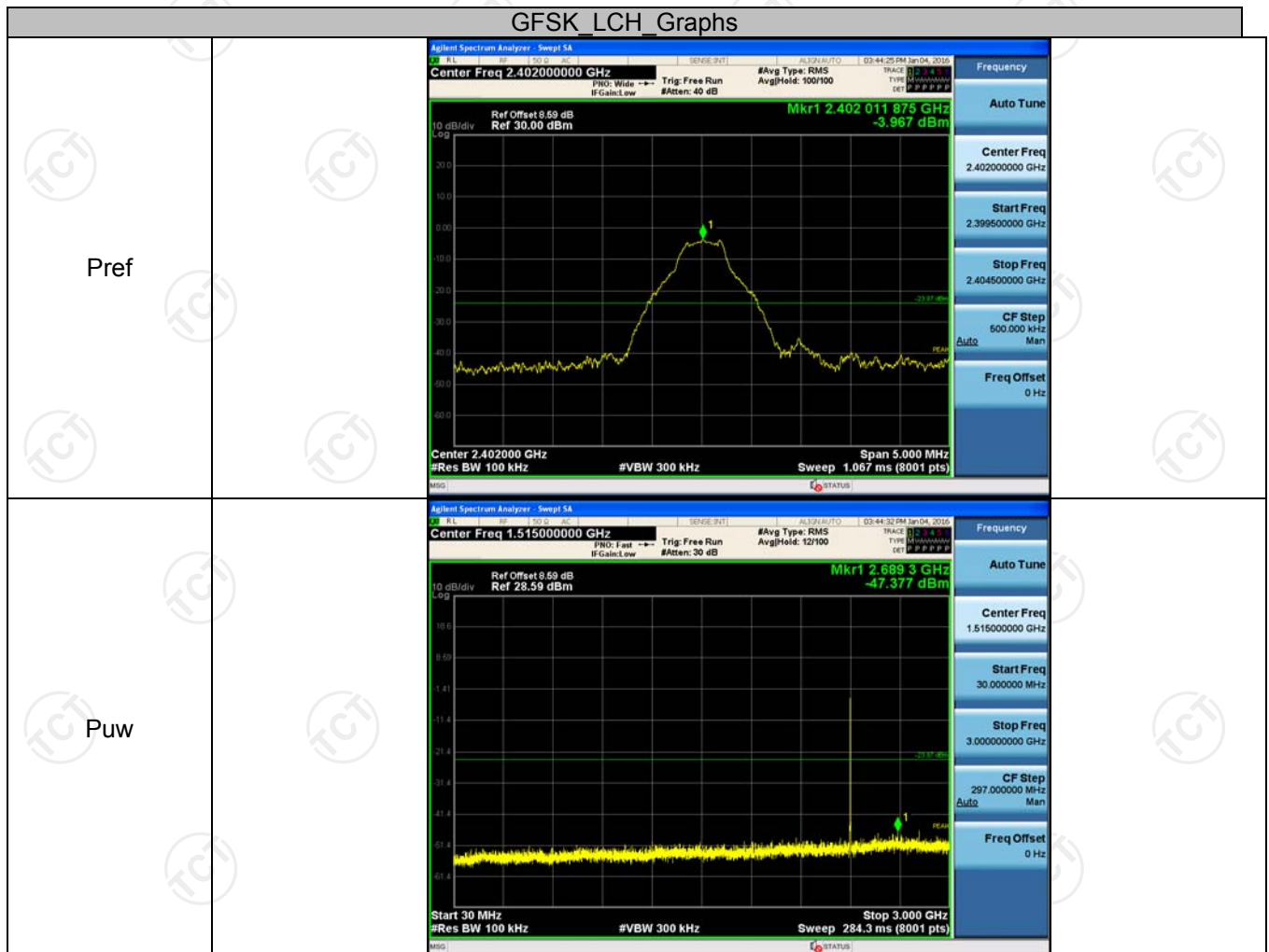


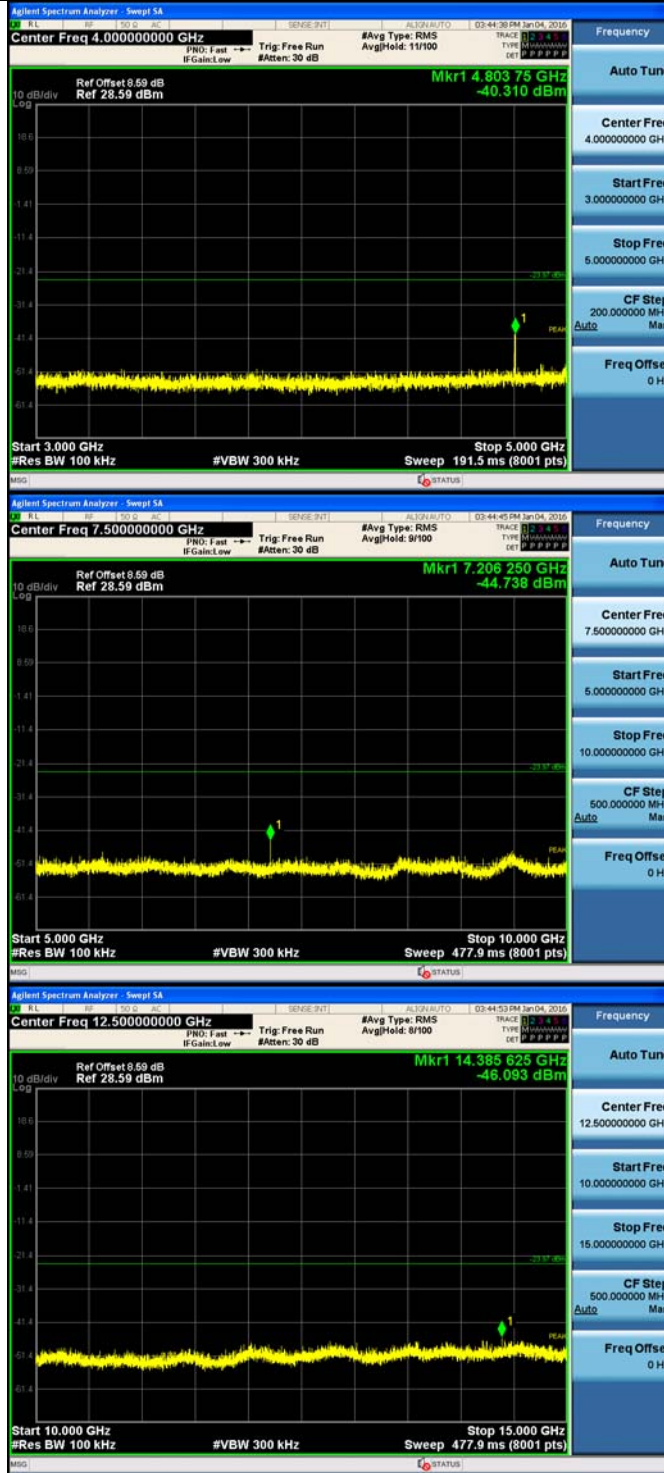
RF Conducted Spurious Emissions

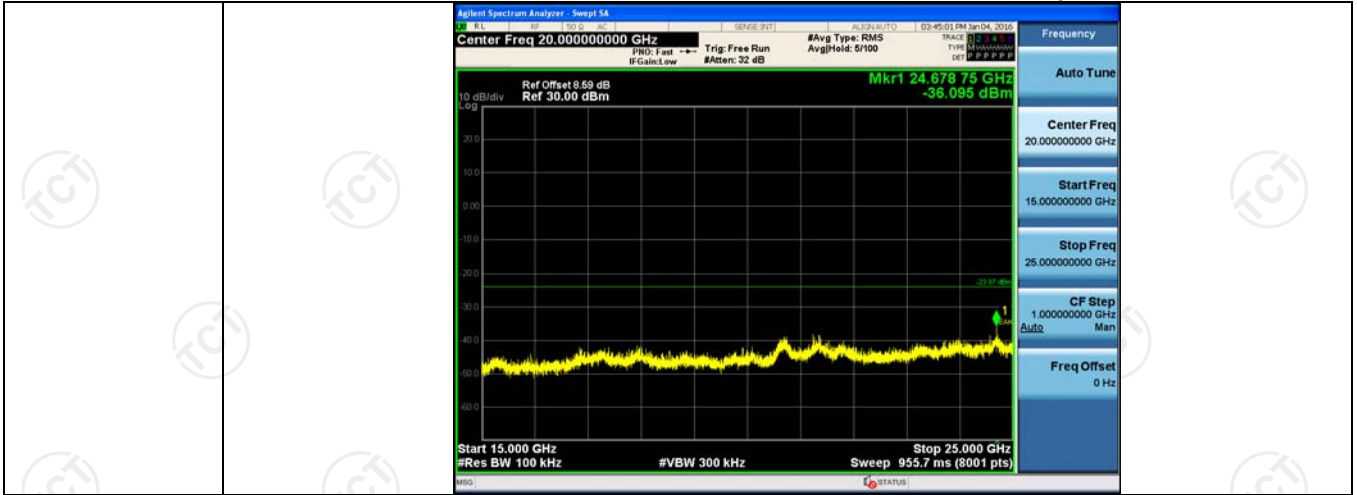
Result Table

| Mode | Channel | Pref [dBm] | Puw[dBm] | Verdict |
|---------------|---------|------------|----------|---------|
| GFSK | LCH | -3.967 | <Limit | PASS |
| GFSK | MCH | -2.919 | <Limit | PASS |
| GFSK | HCH | -2.989 | <Limit | PASS |
| $\pi/4$ DQPSK | LCH | -6.9 | <Limit | PASS |
| $\pi/4$ DQPSK | MCH | -4.951 | <Limit | PASS |
| $\pi/4$ DQPSK | HCH | -5.028 | <Limit | PASS |
| 8DPSK | LCH | -6.157 | <Limit | PASS |
| 8DPSK | MCH | -4.932 | <Limit | PASS |
| 8DPSK | HCH | -4.754 | <Limit | PASS |

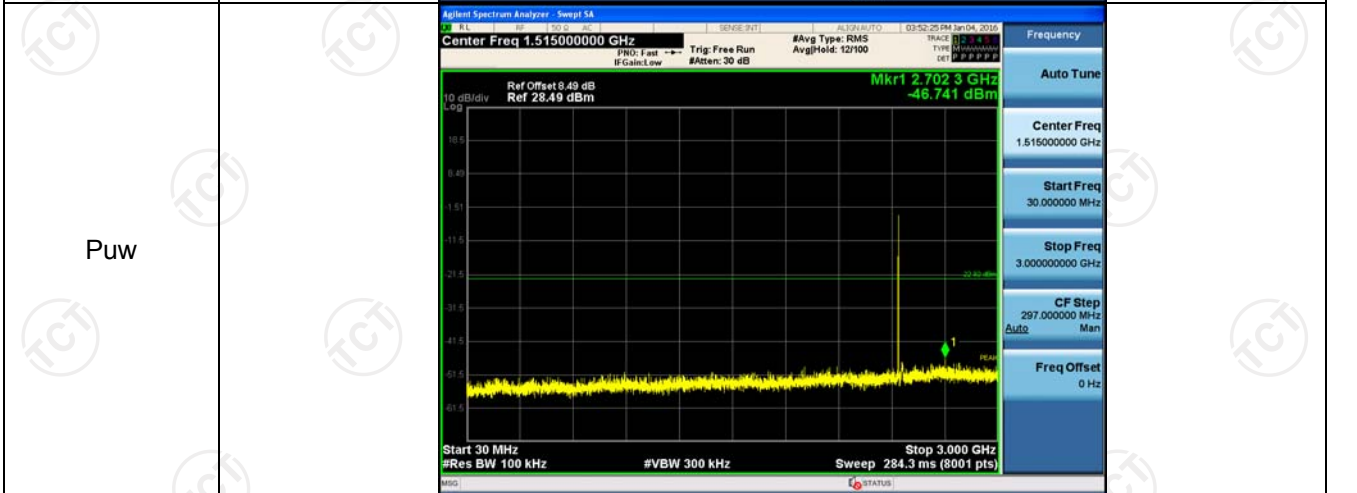
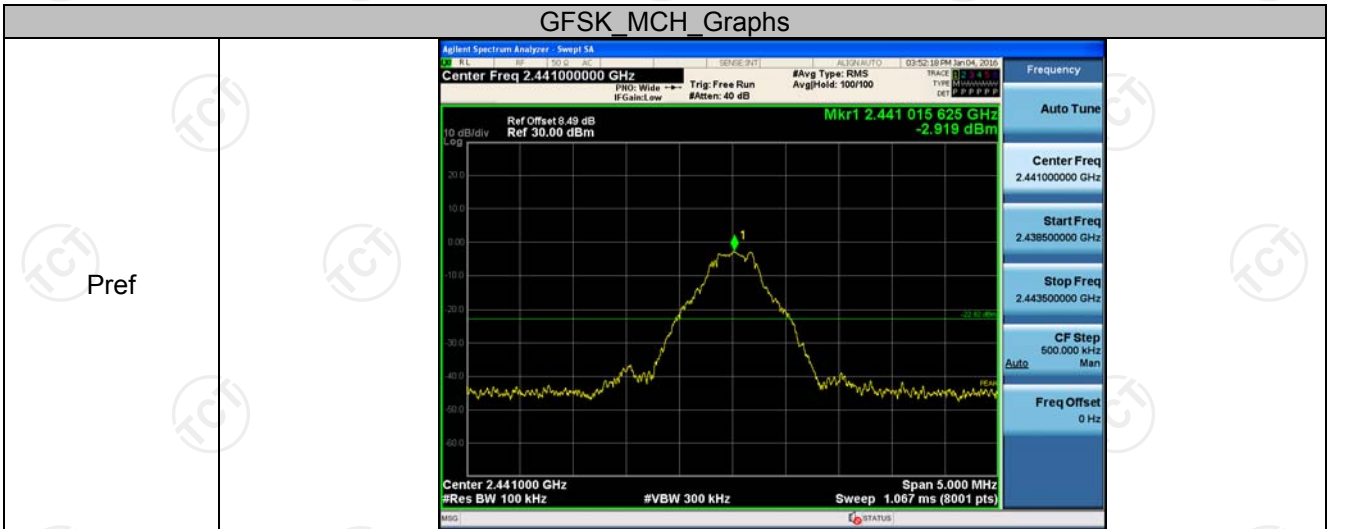
Test Graph

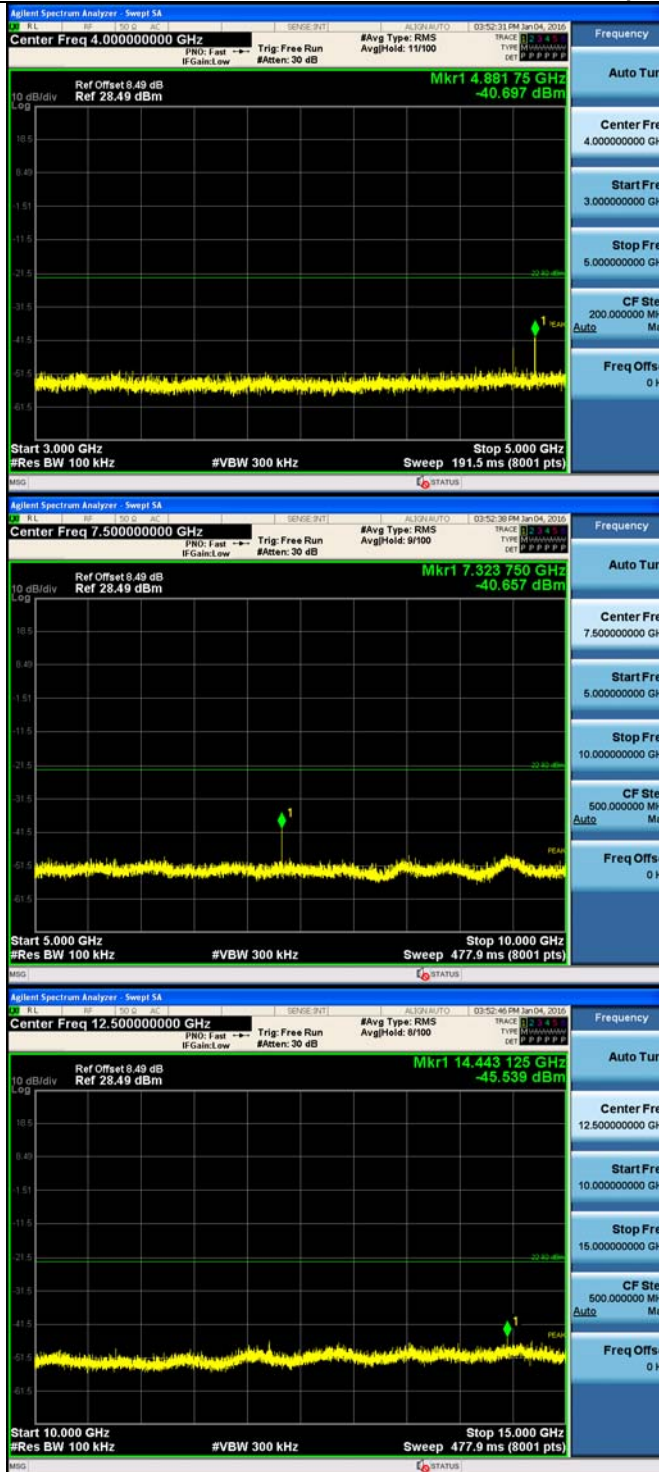


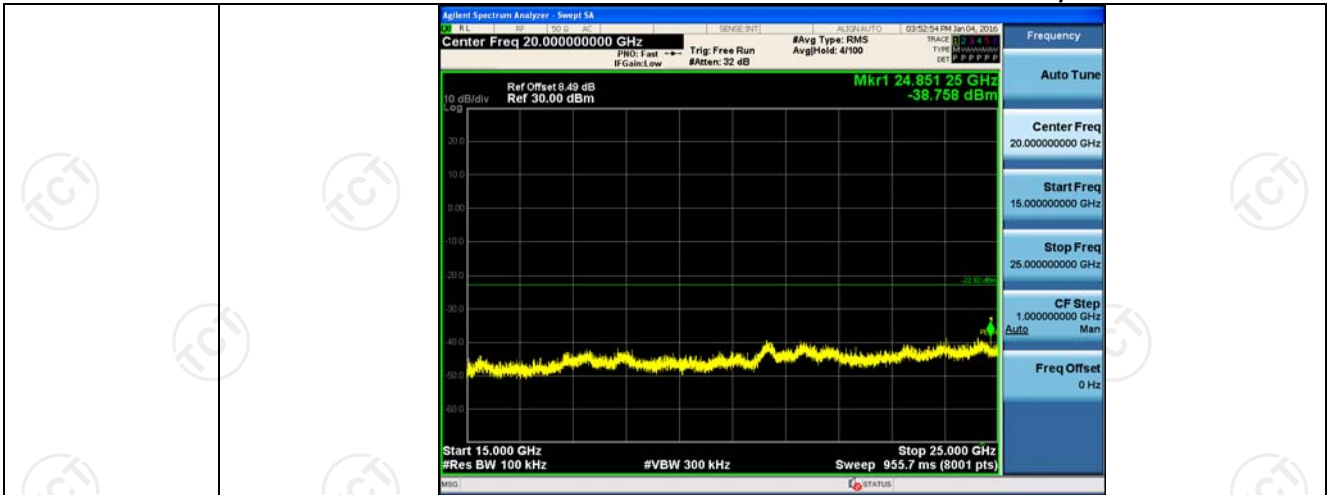




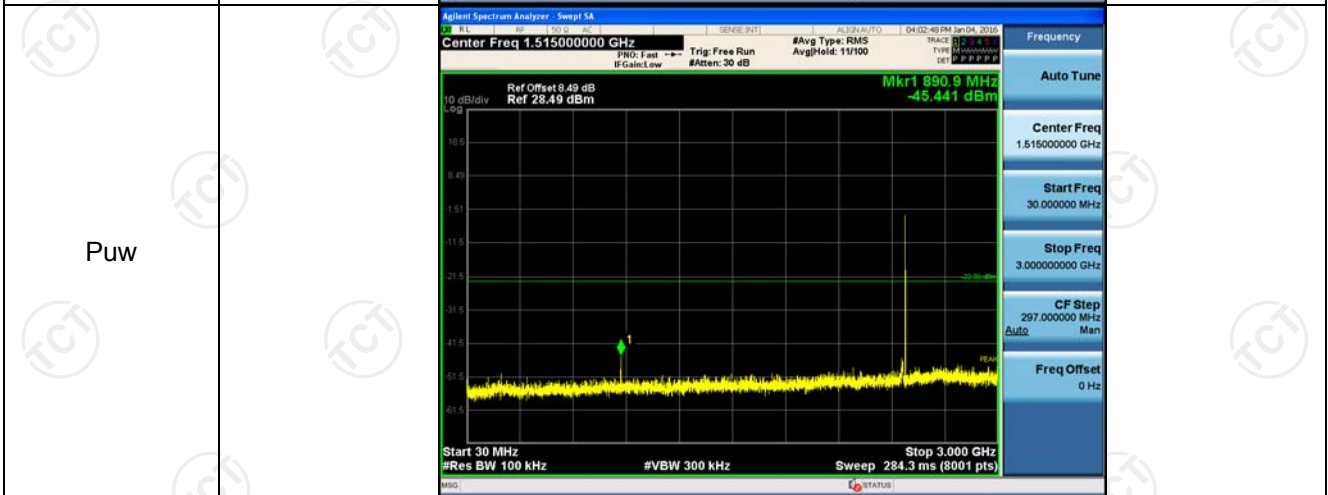
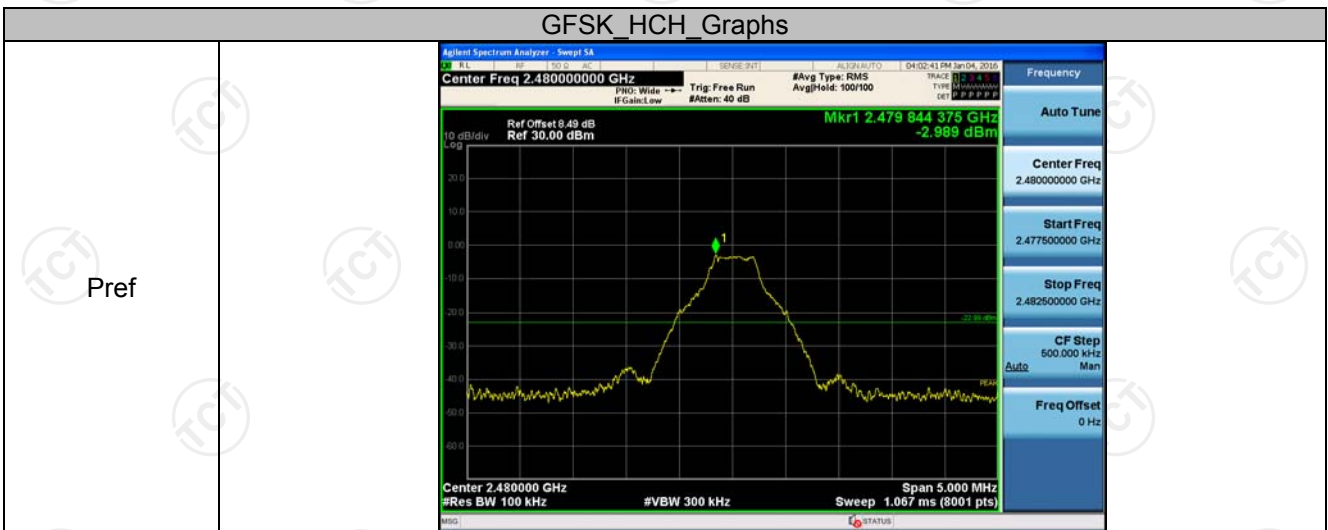
GFSK MCH Graphs

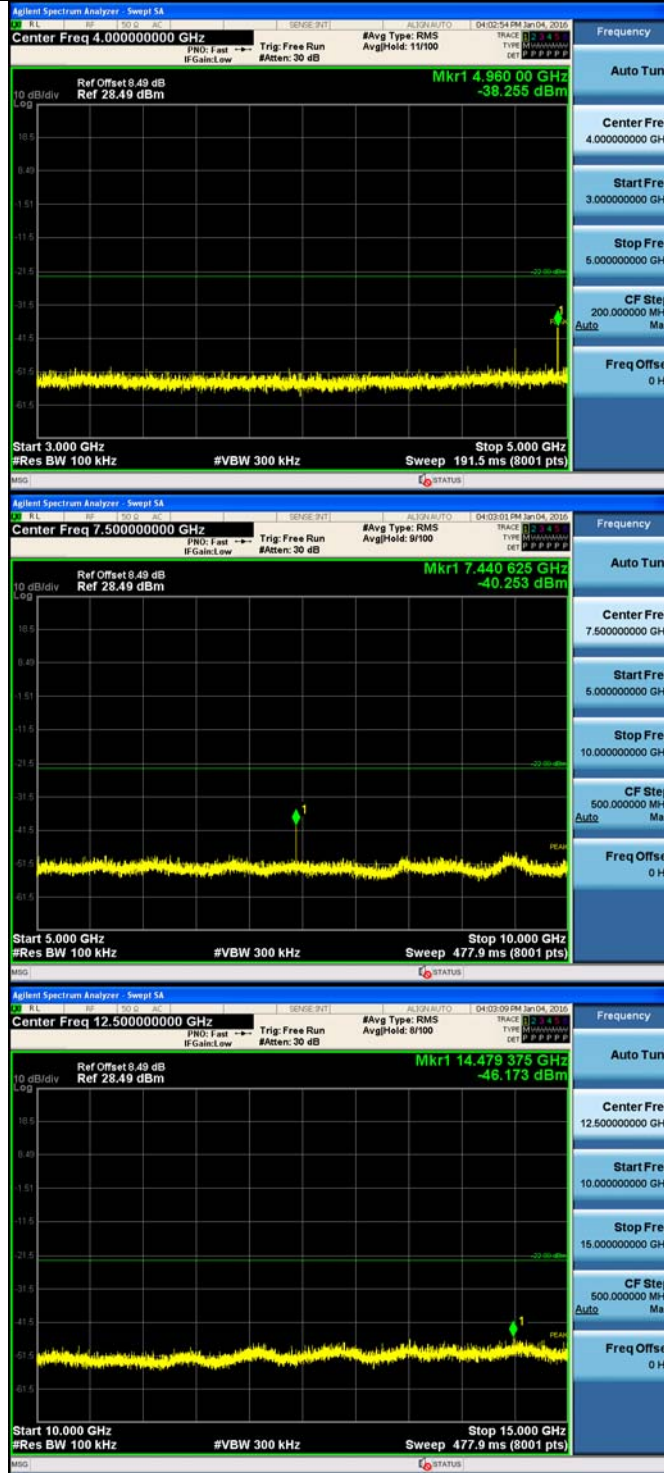


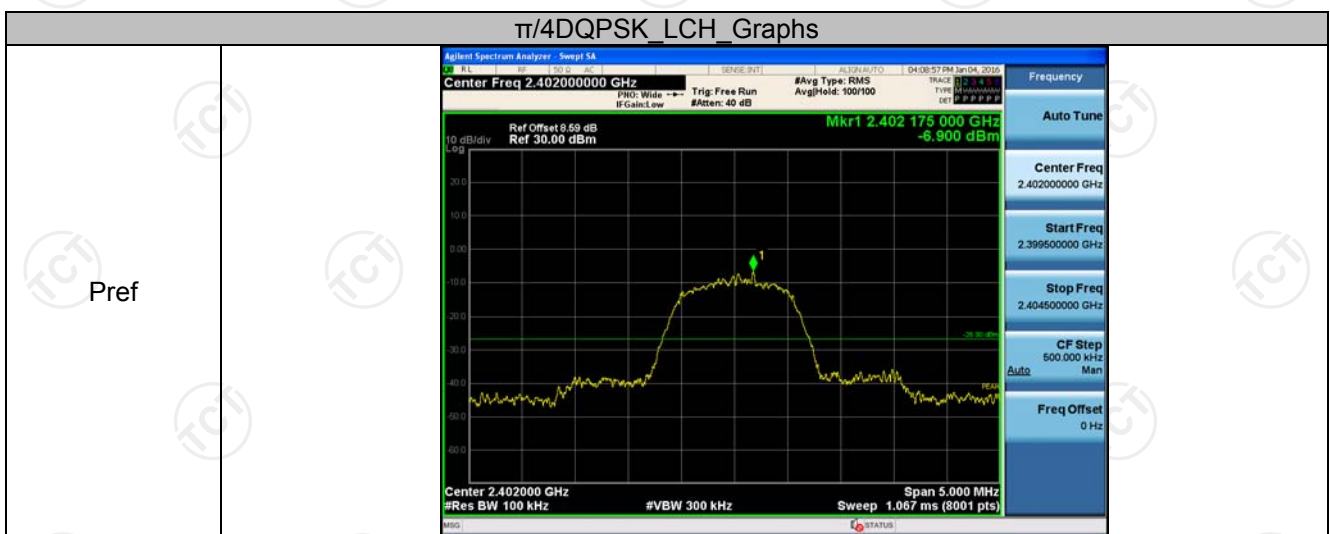
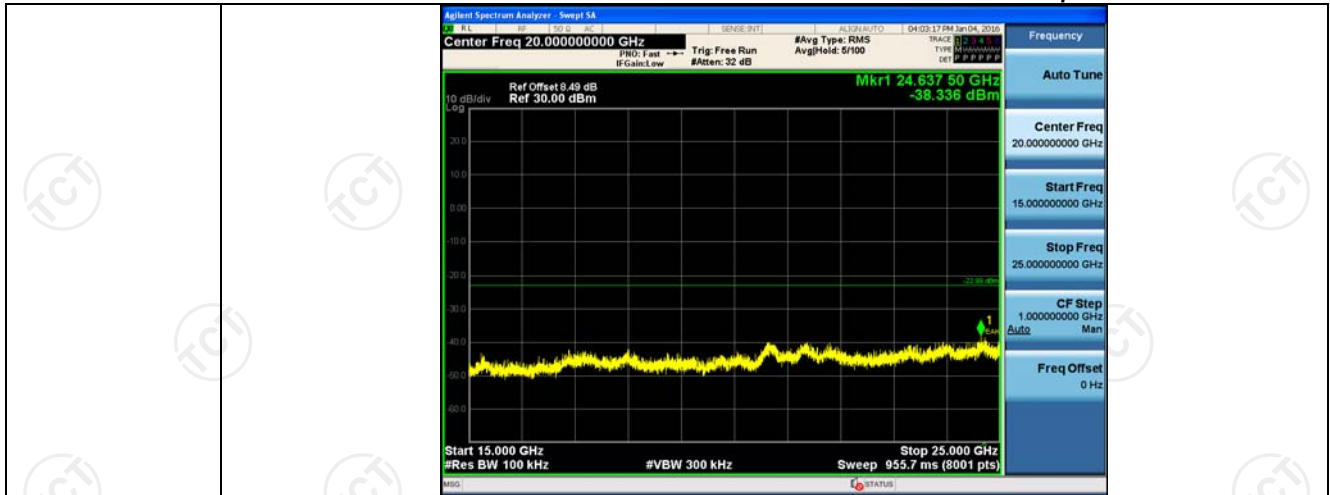




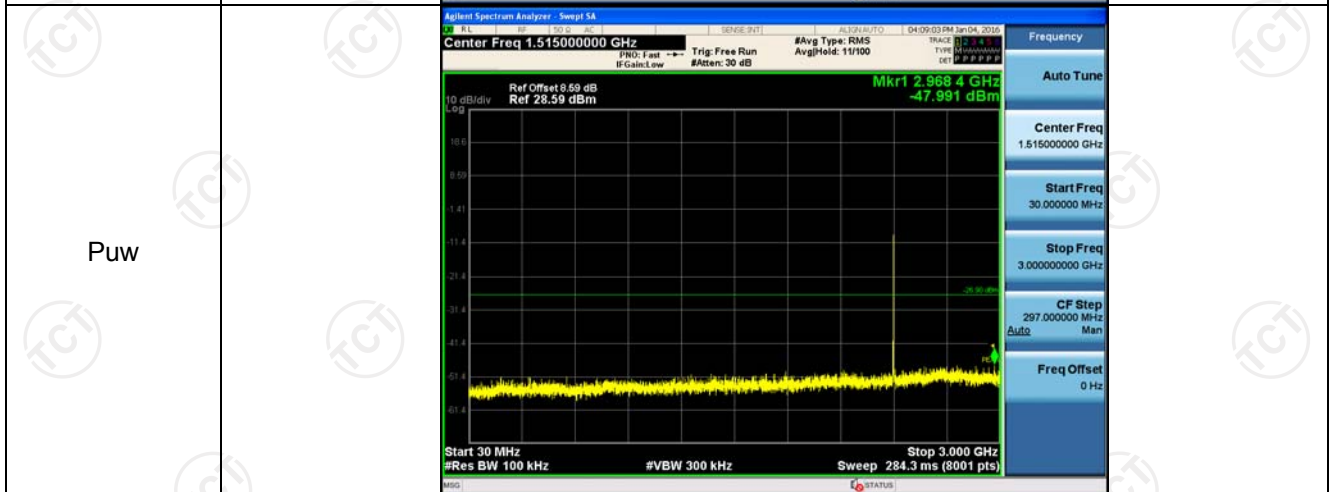
GFSK HCH Graphs



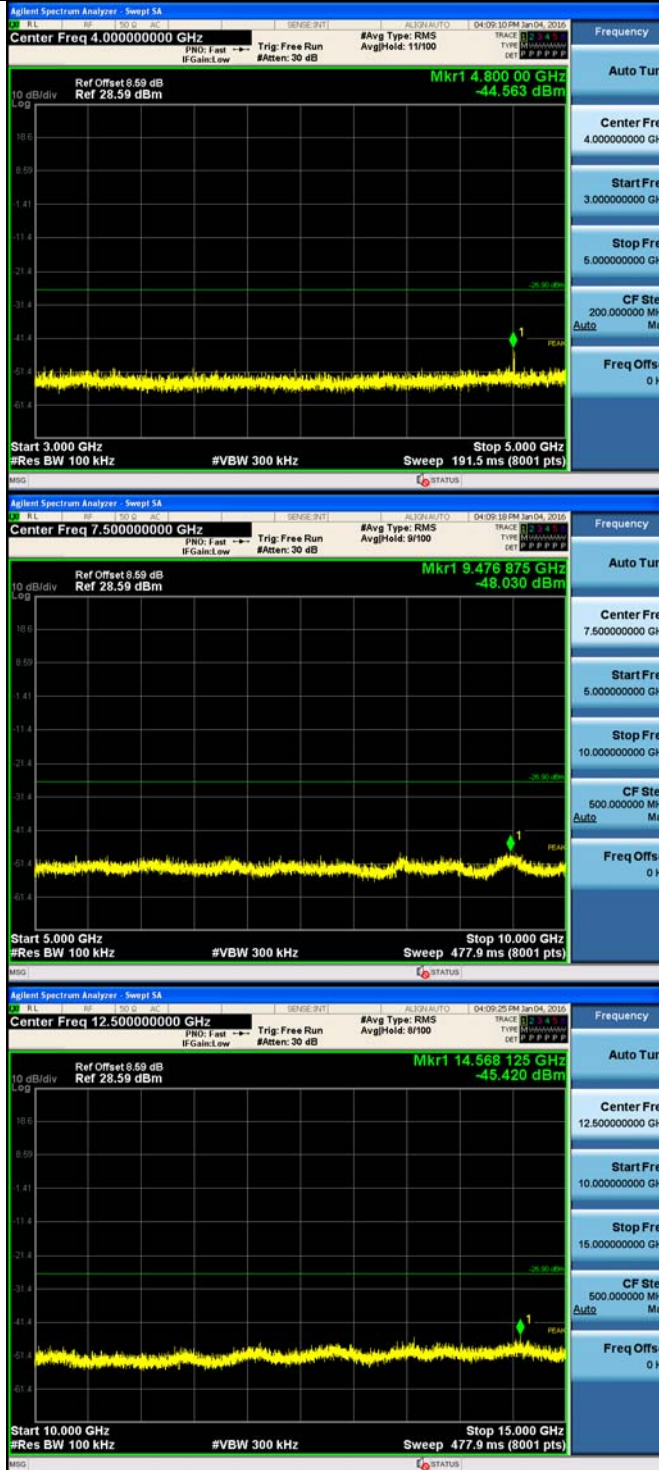


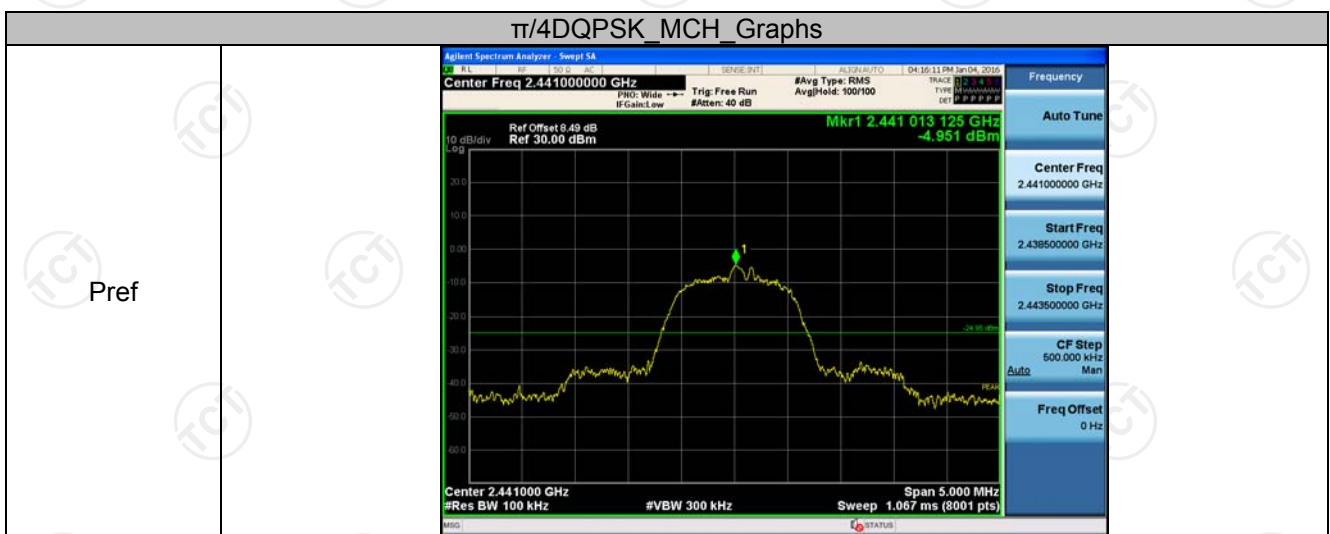
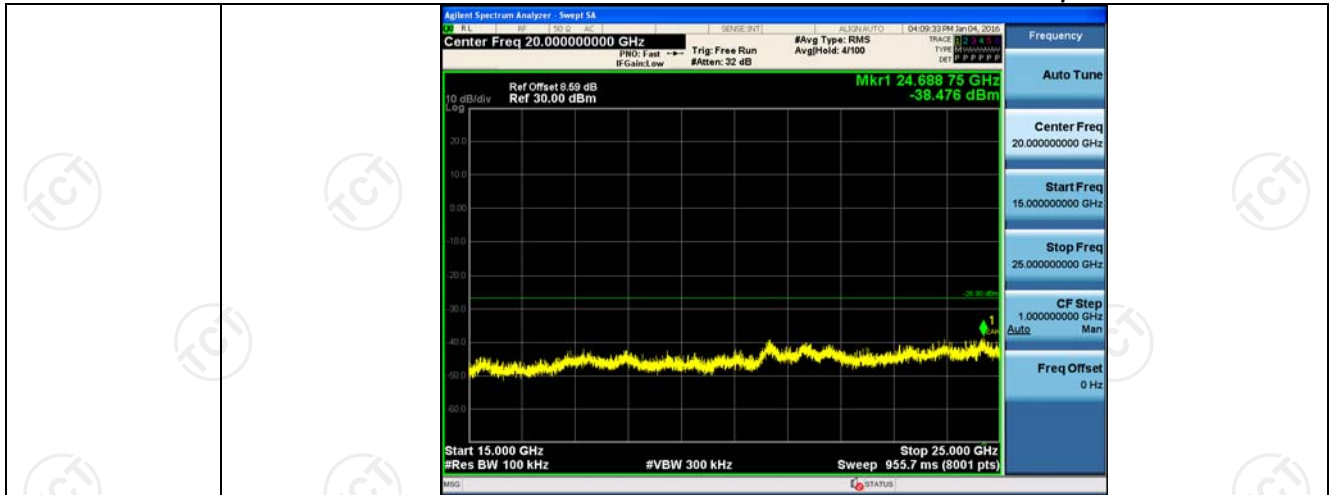


Pref

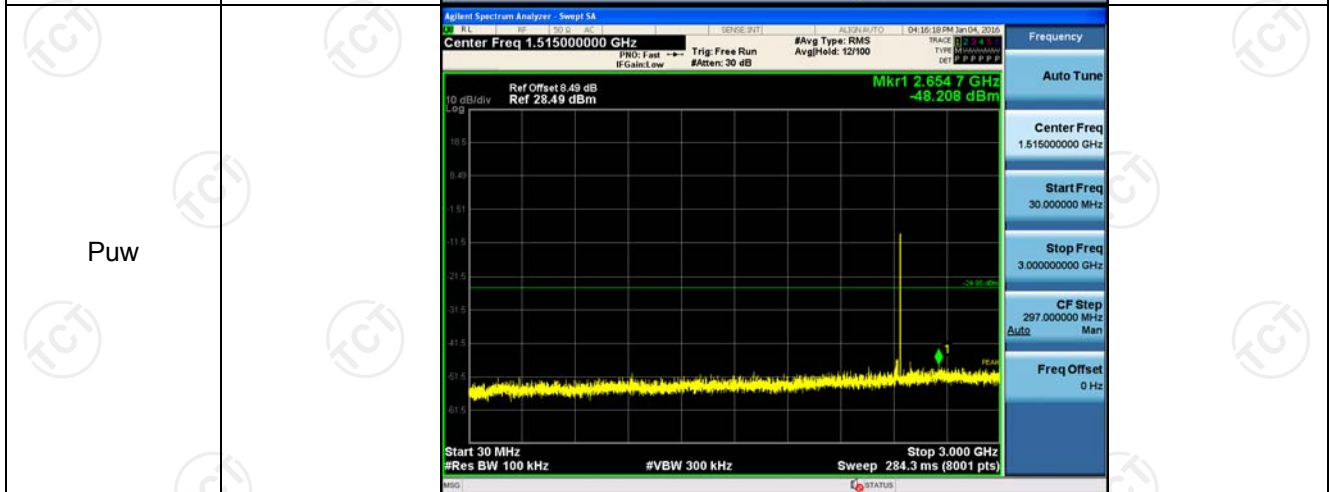


Puw

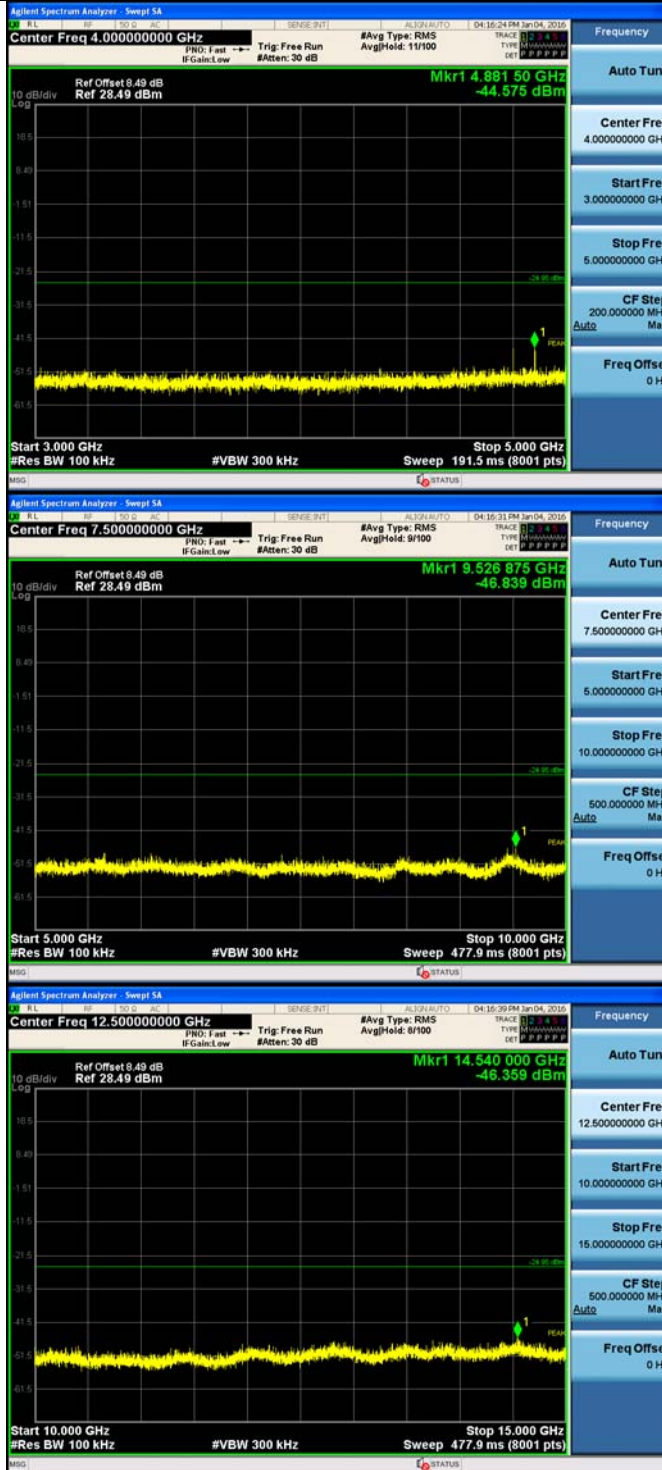


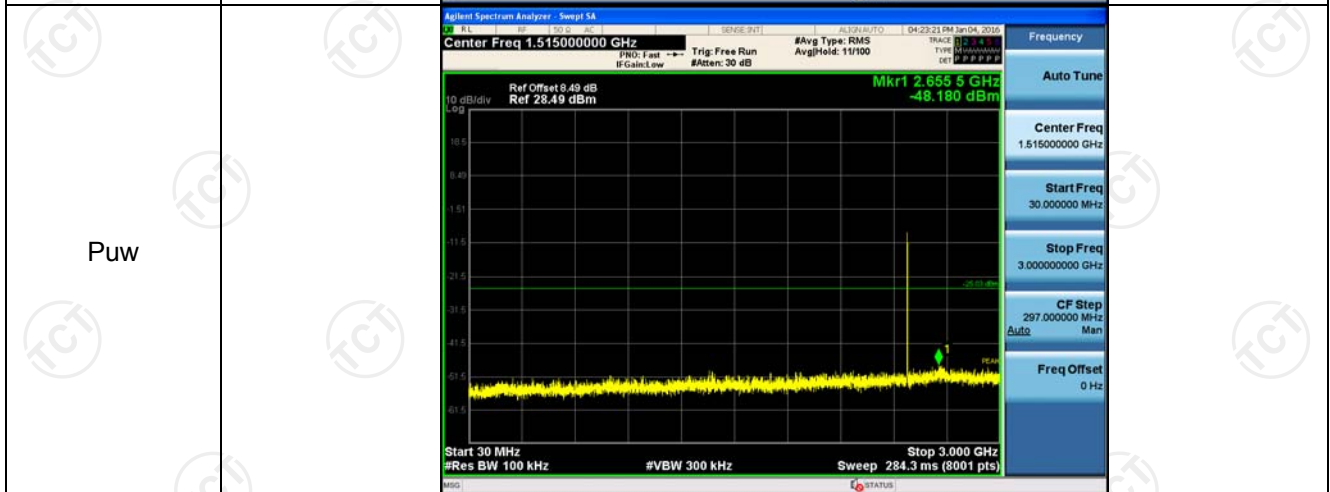
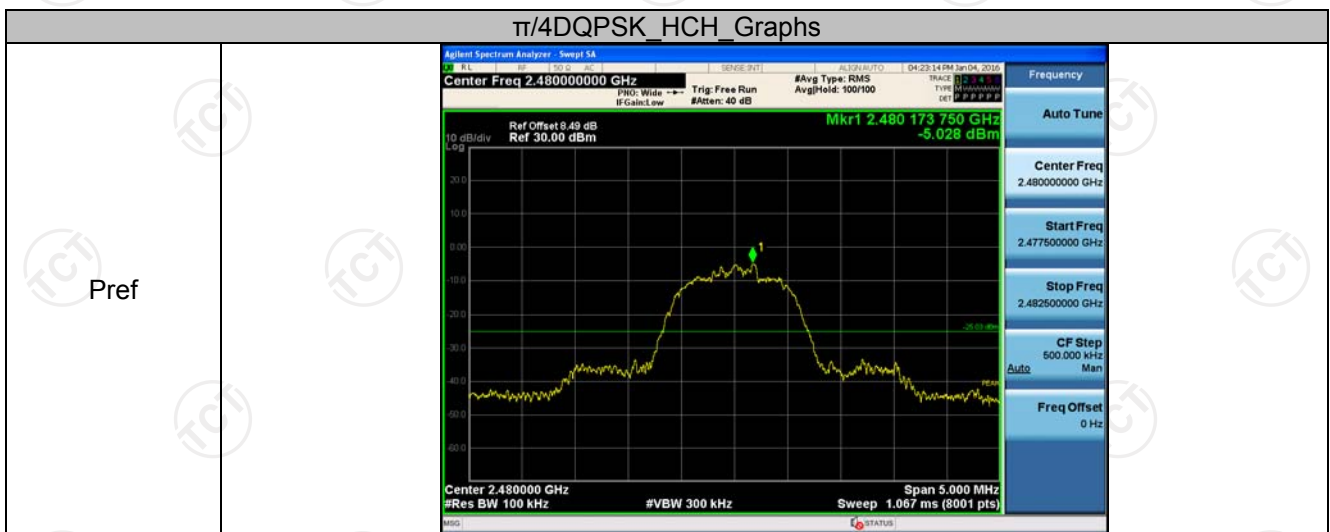
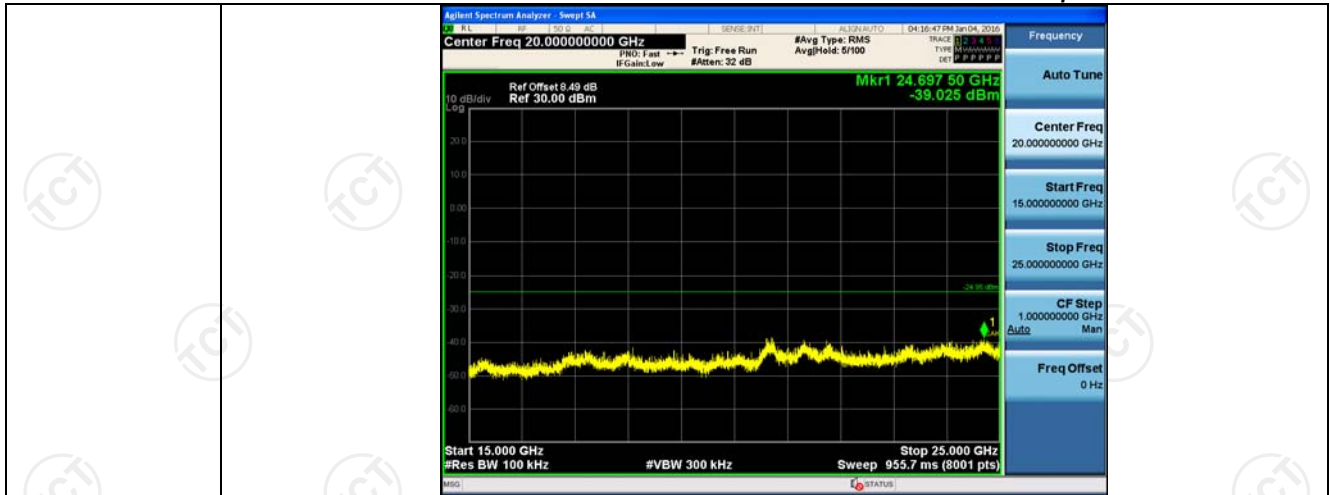


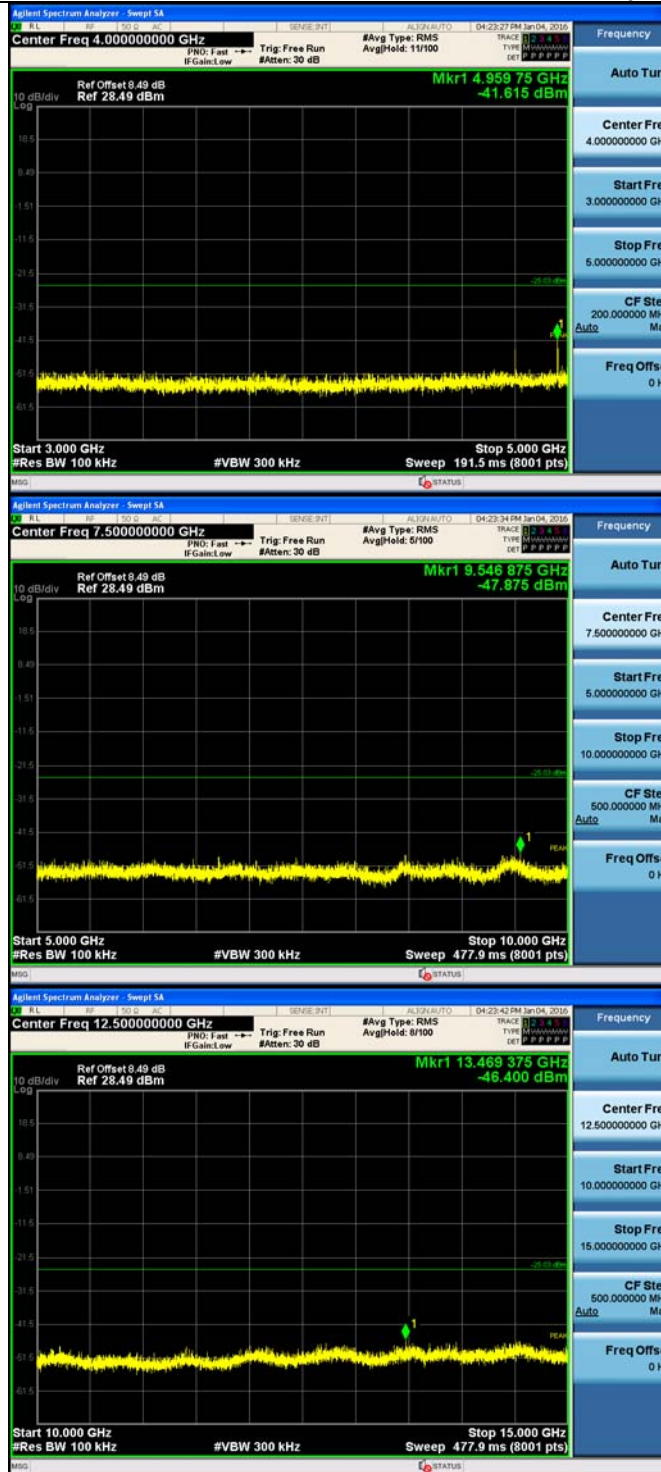
Pref

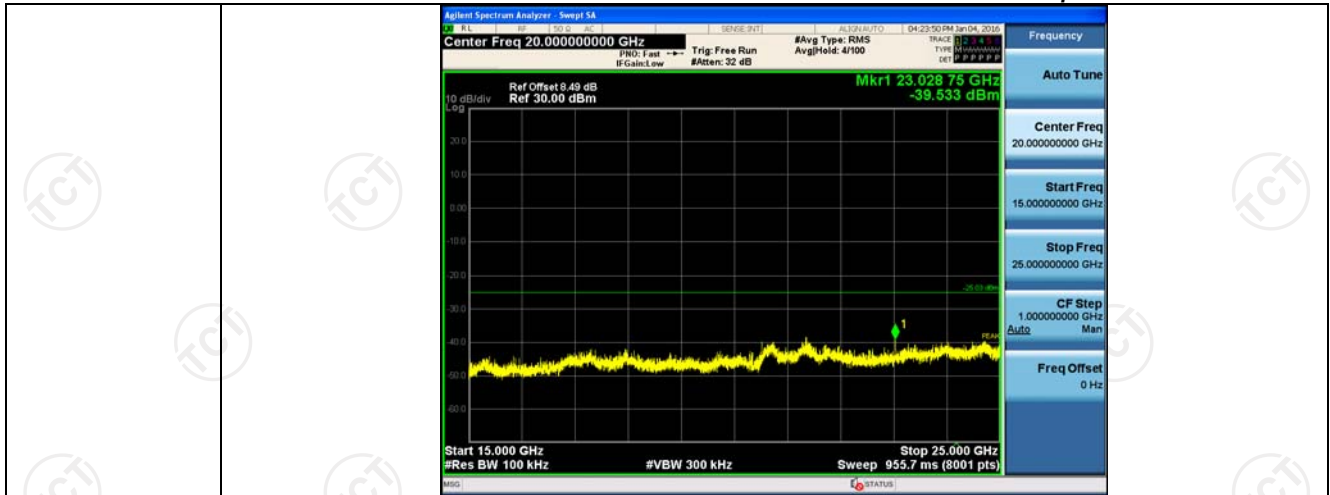


Puw

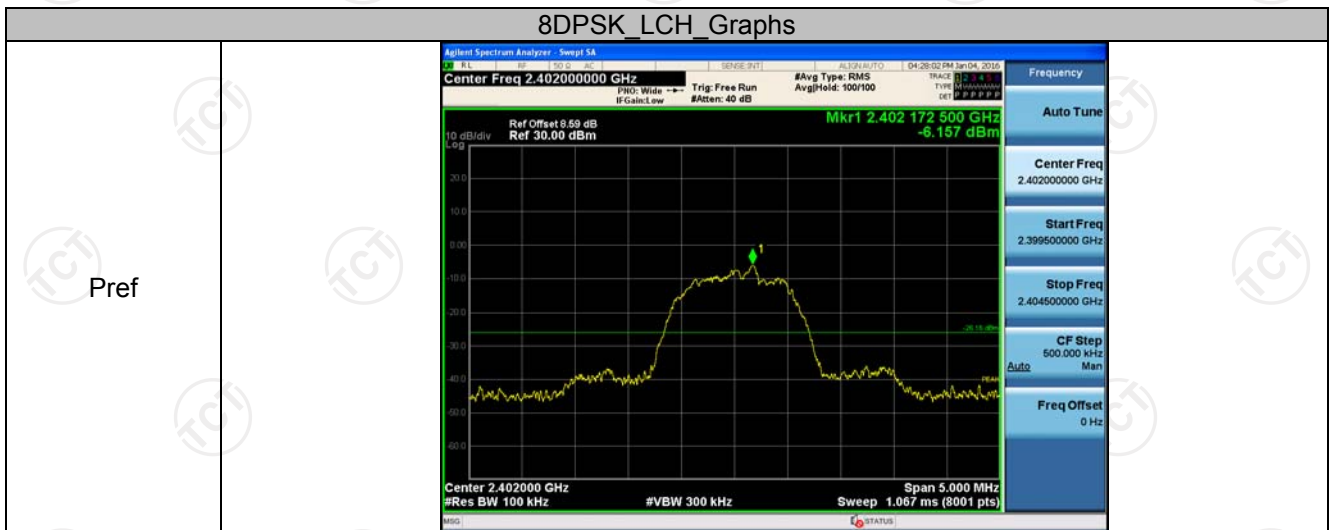




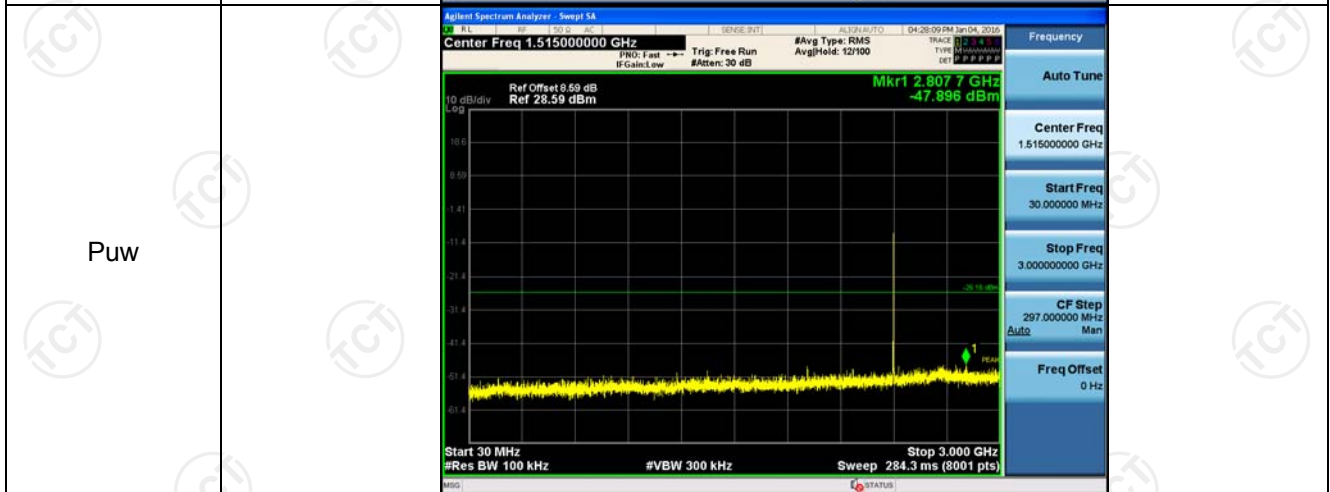




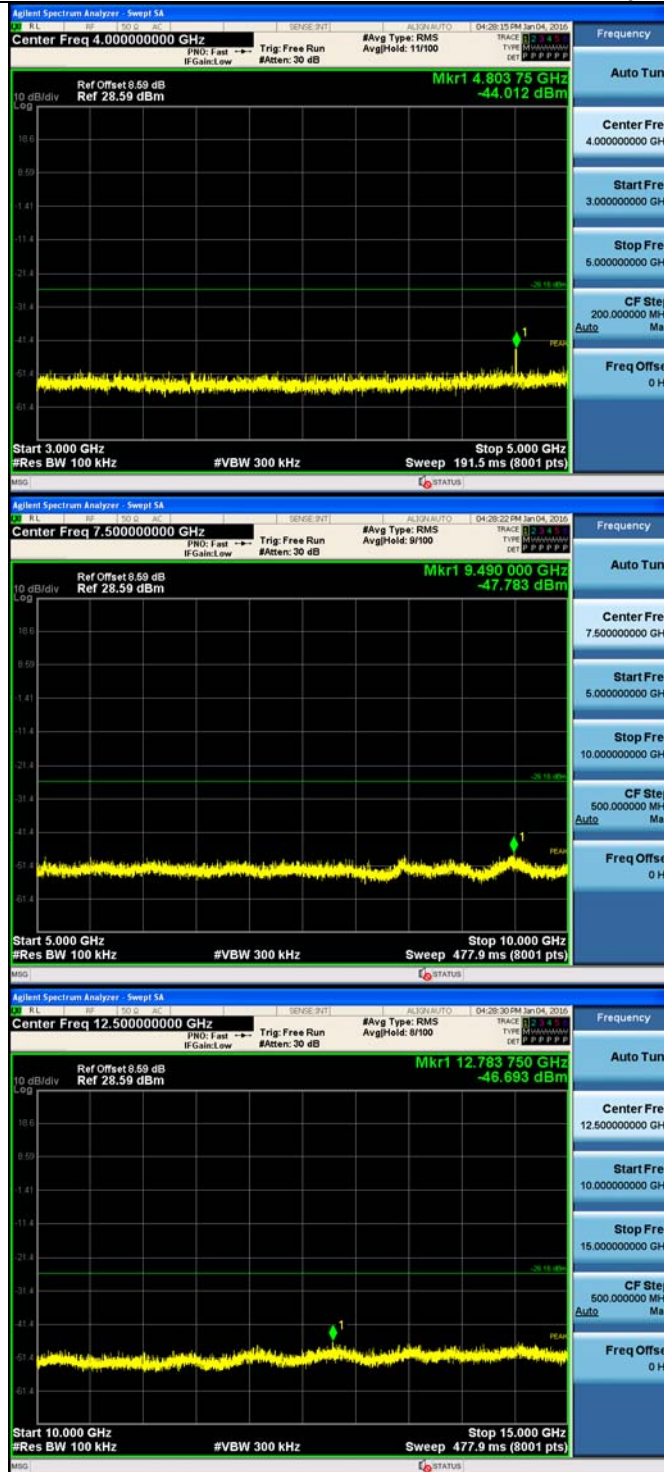
8DPSK LCH Graphs

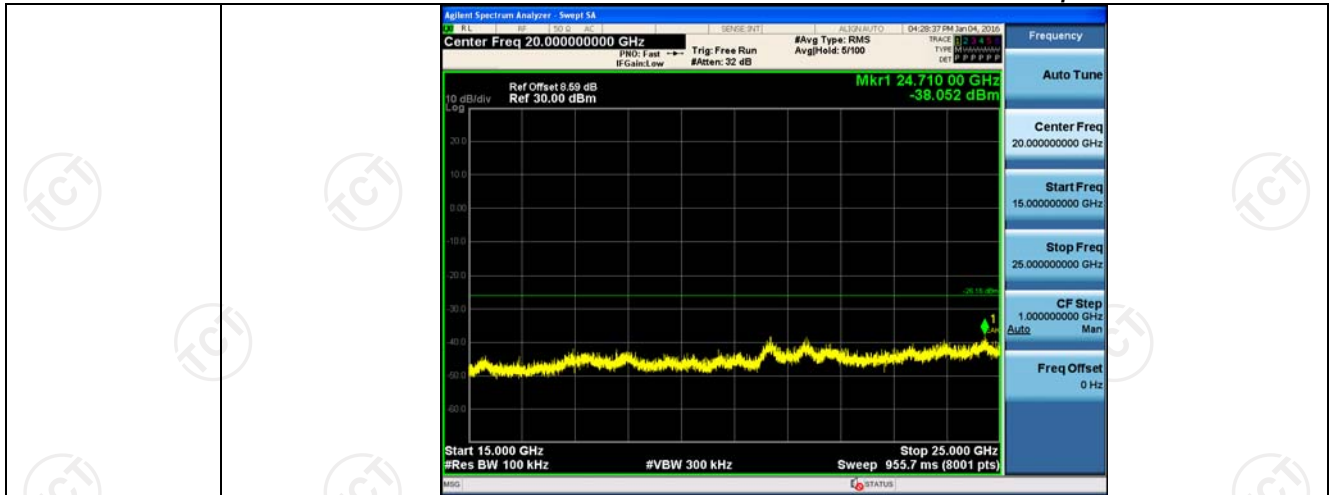


Pref

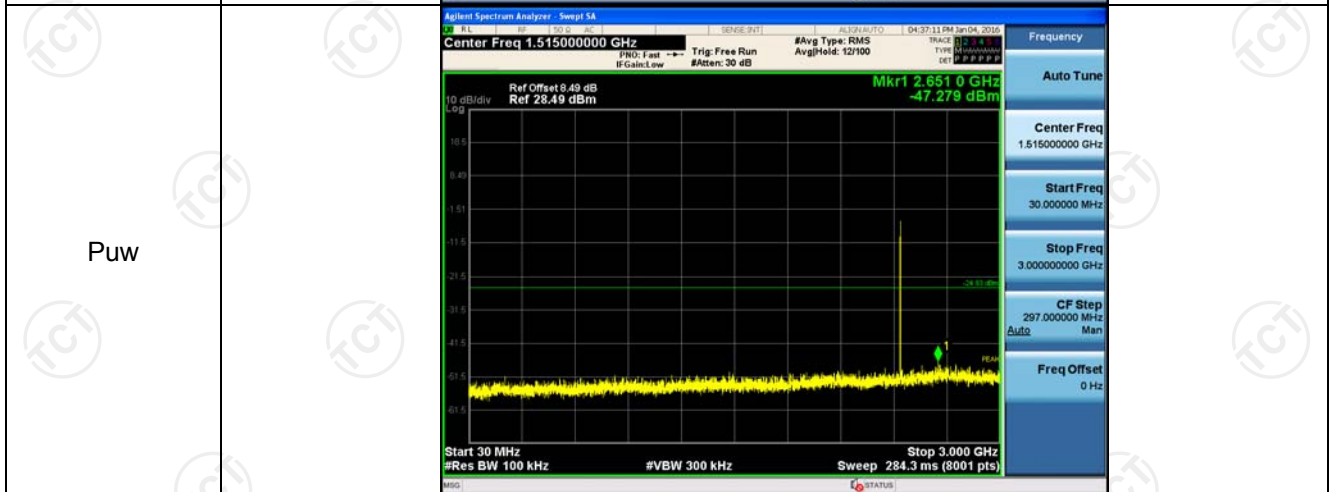
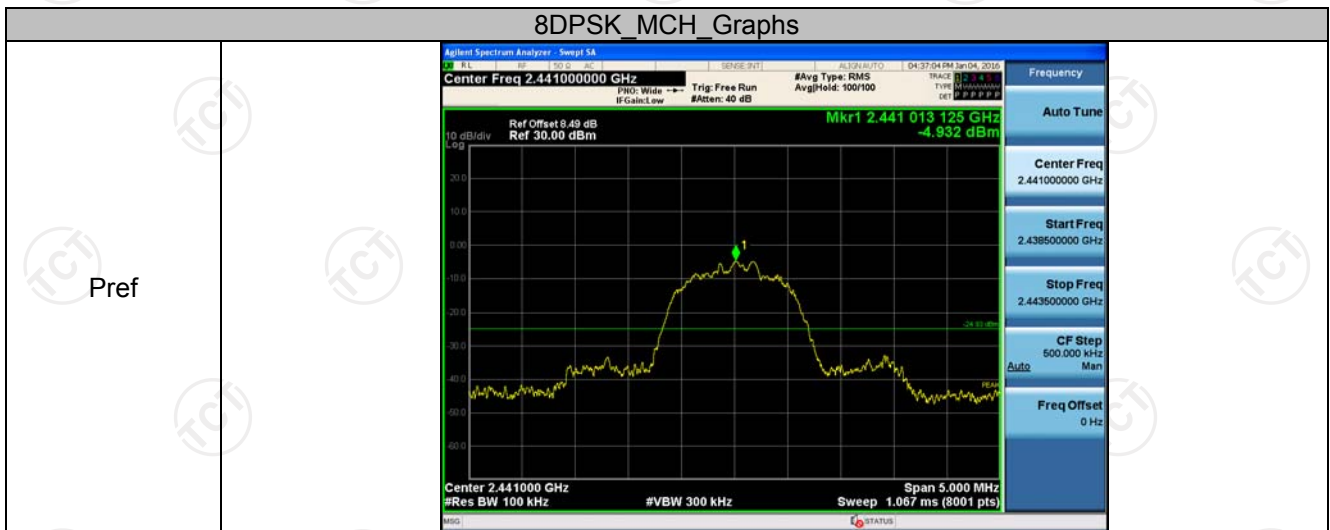


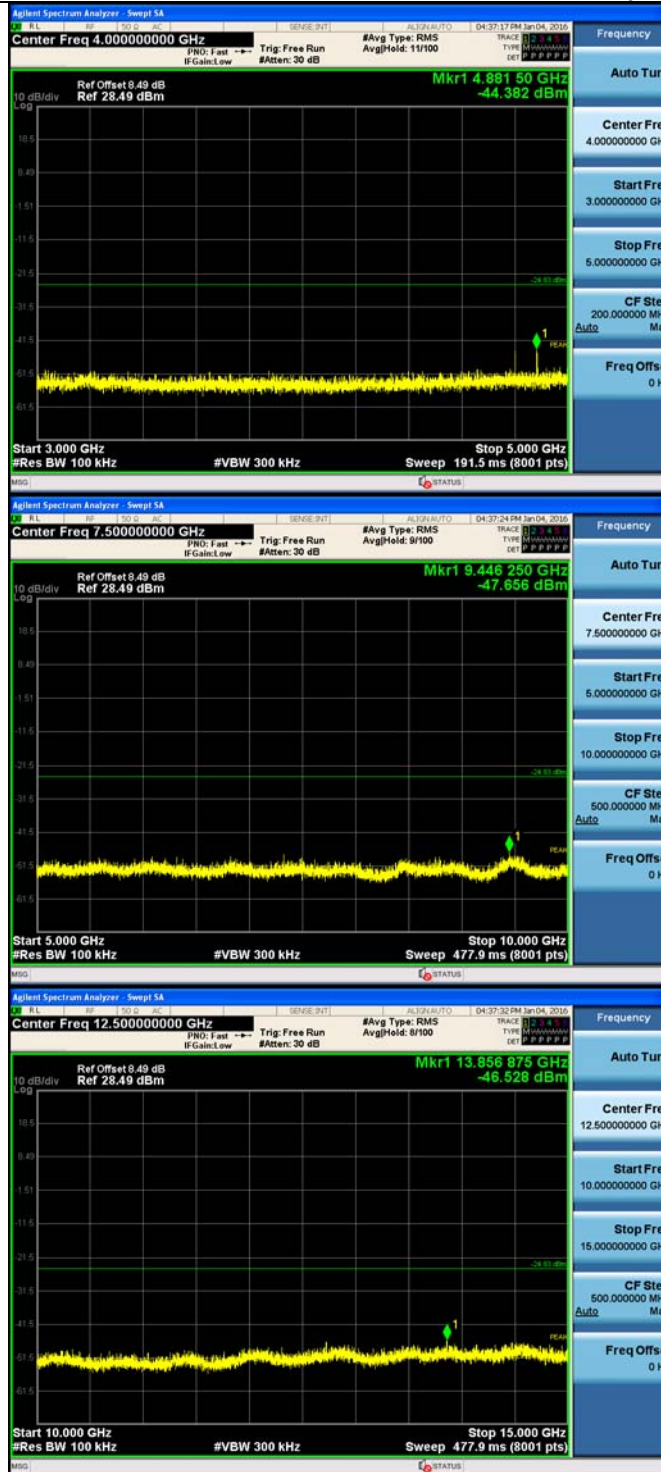
Puw

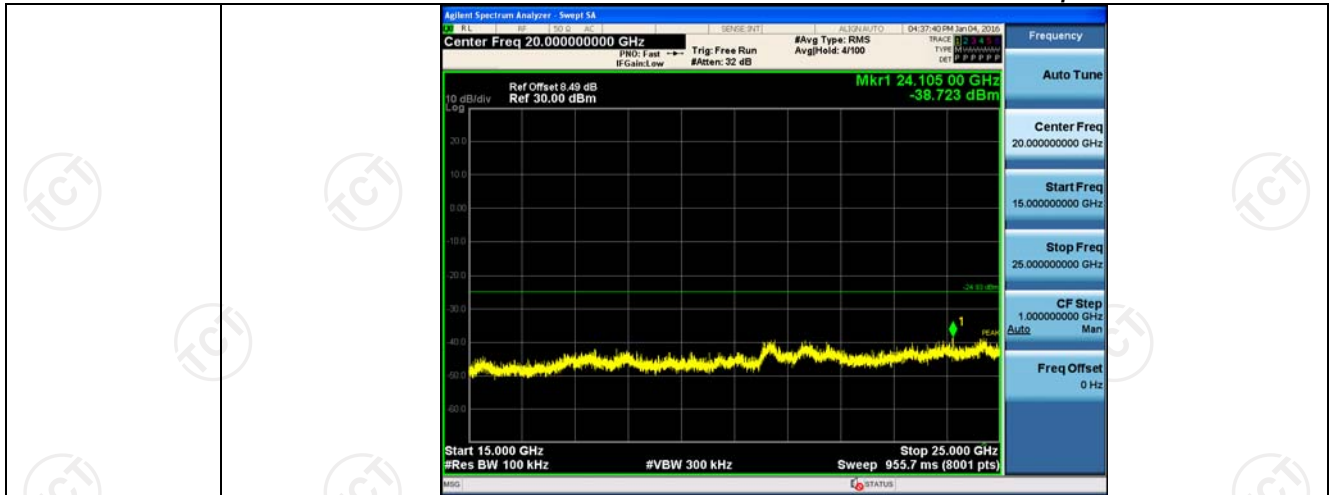




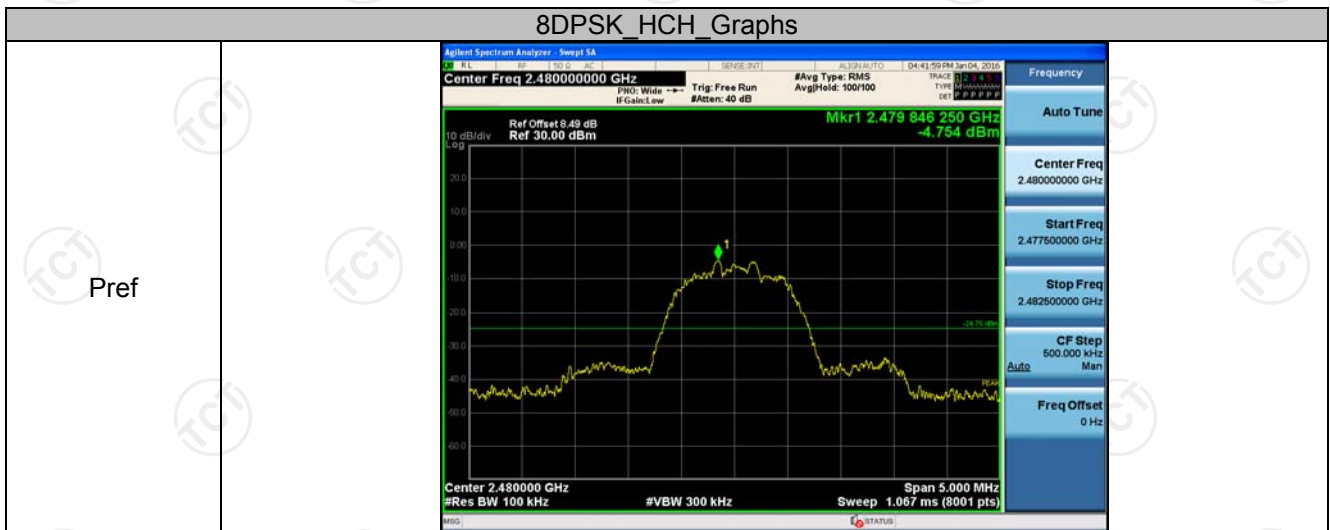
8DPSK MCH Graphs



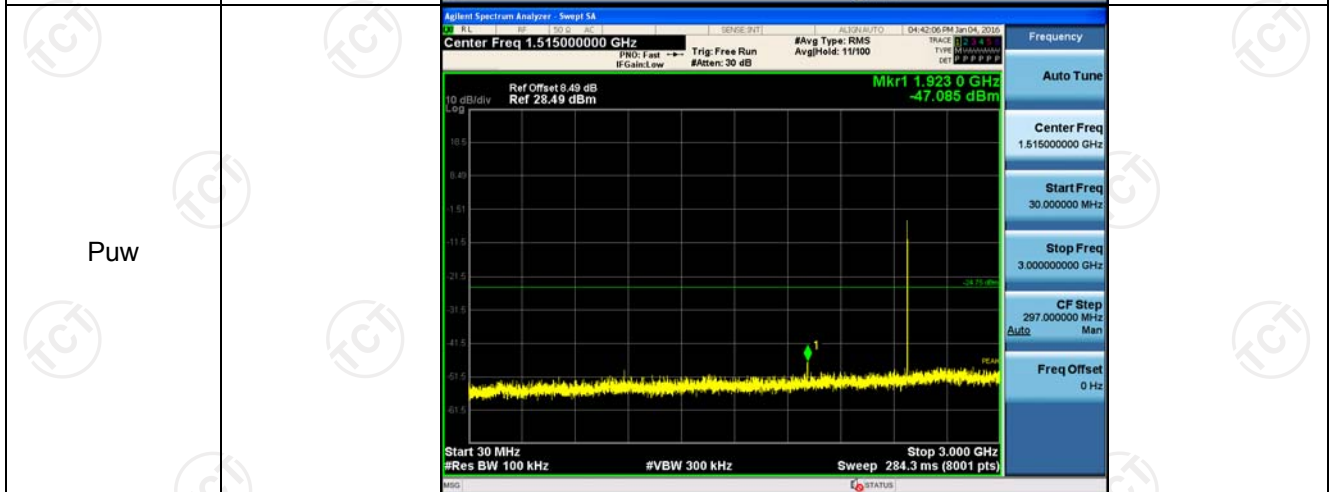




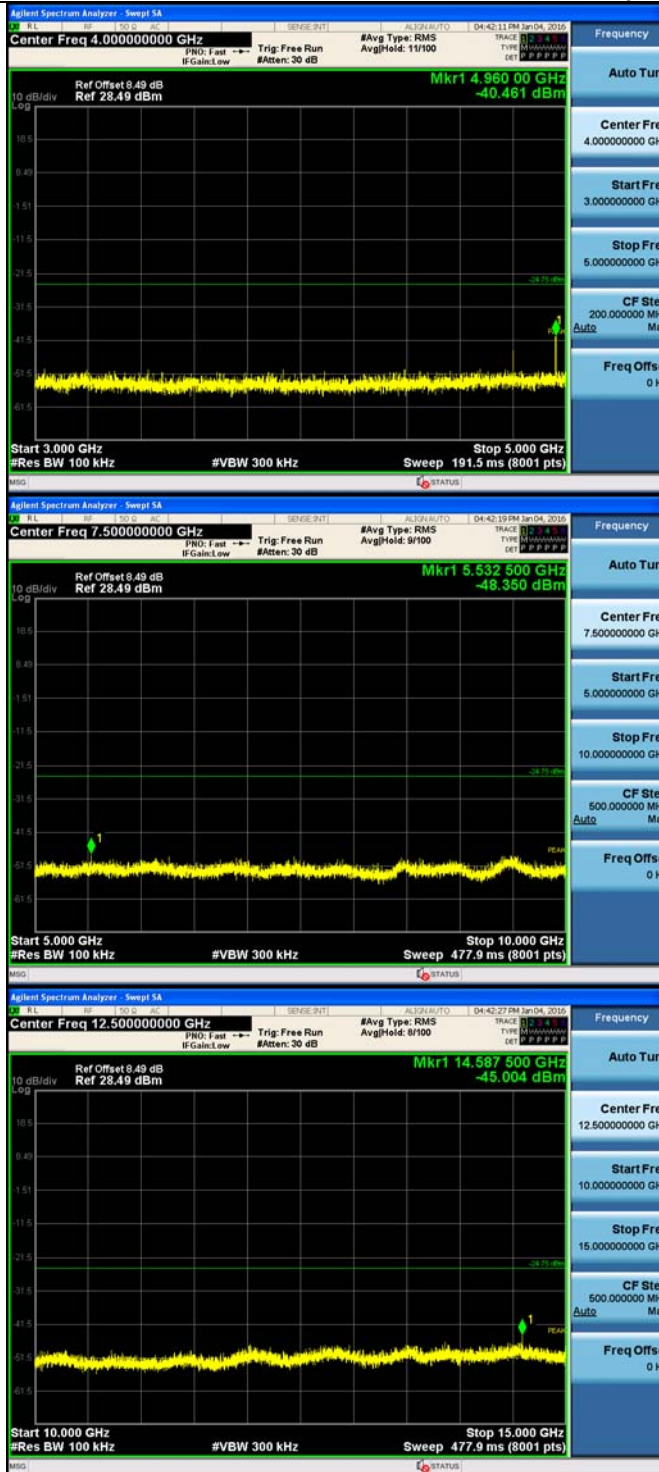
8DPSK HCH Graphs

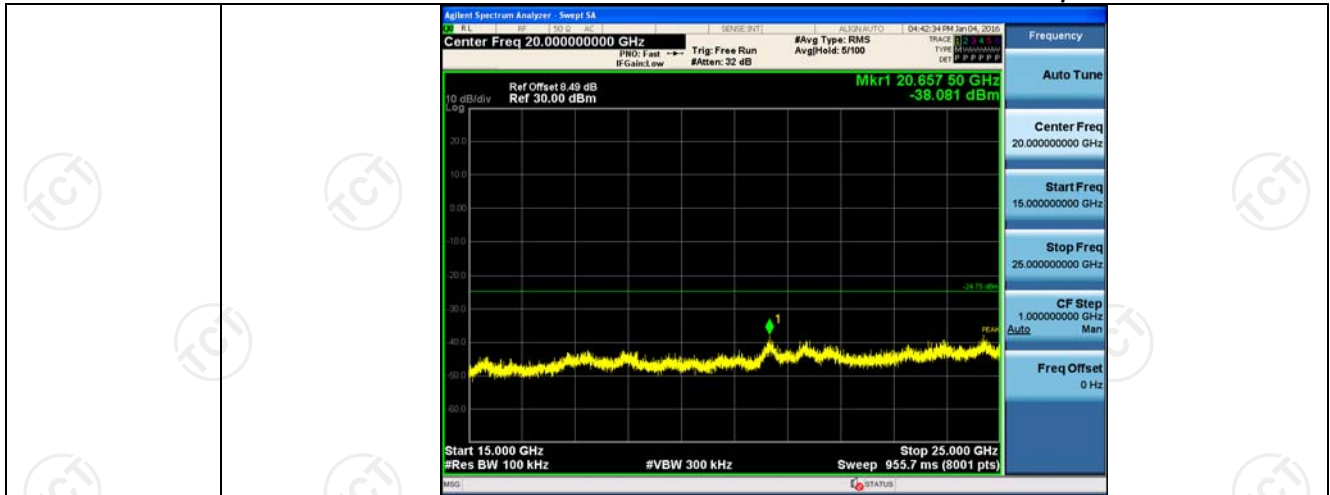


Pref



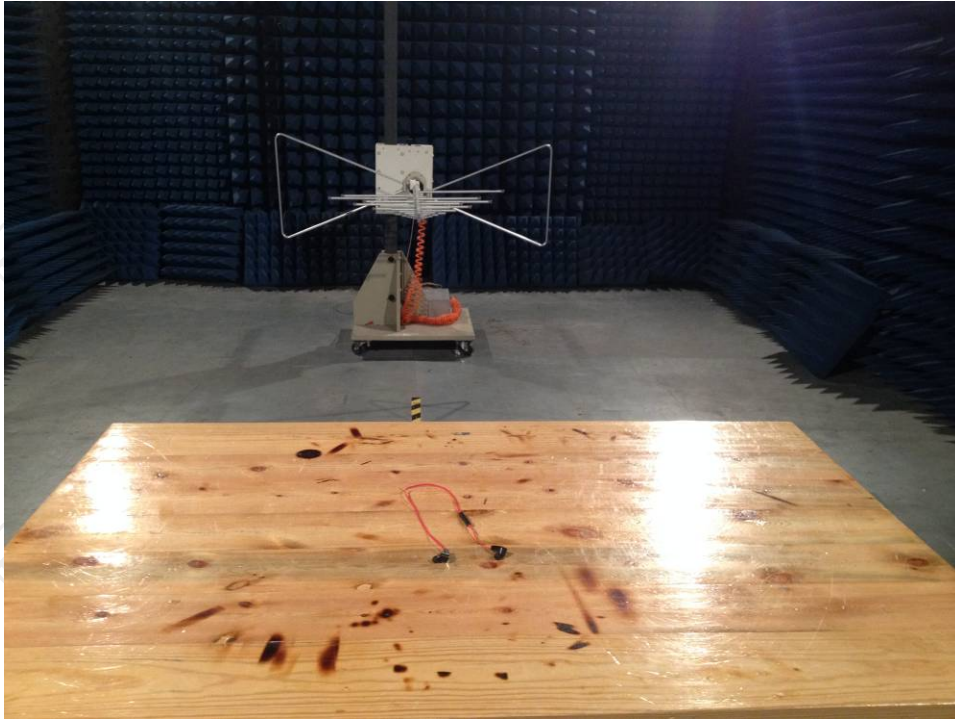
Puw





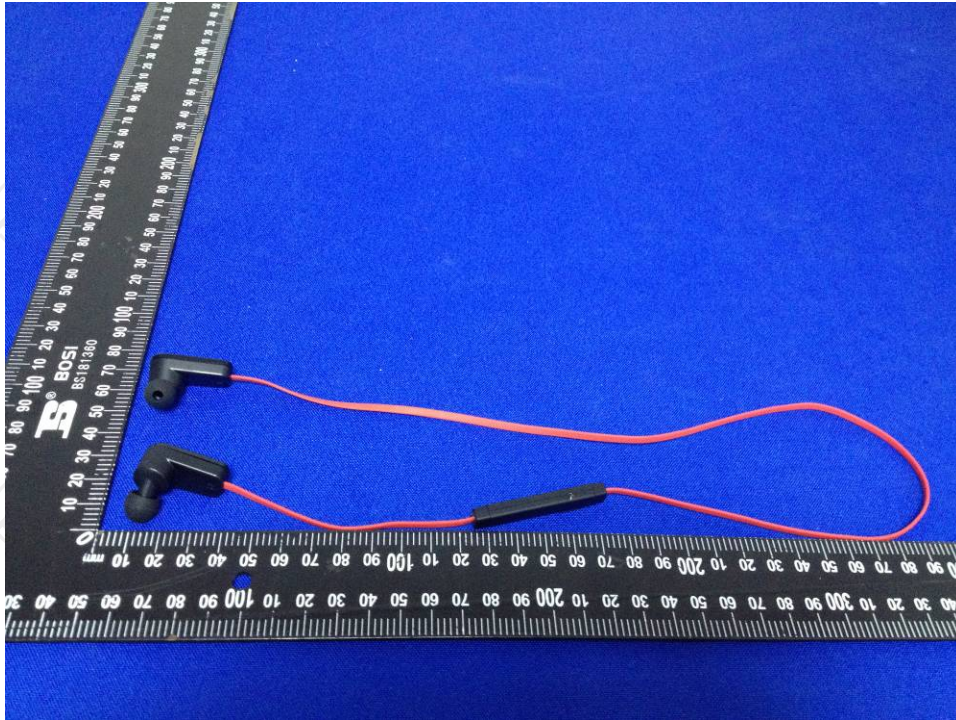
*****END OF REPORT*****

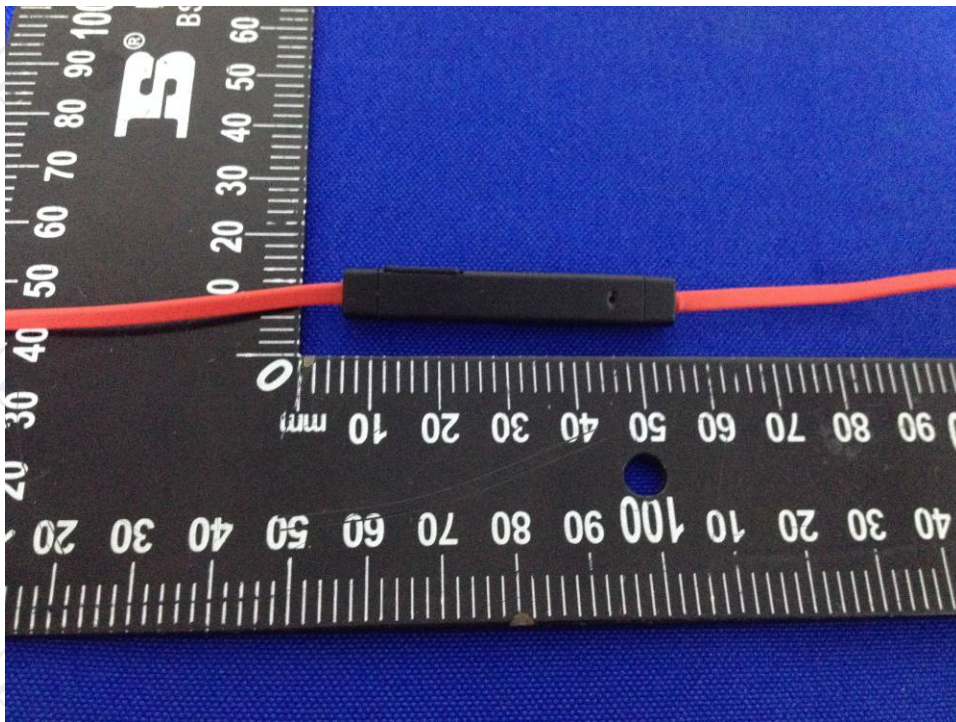
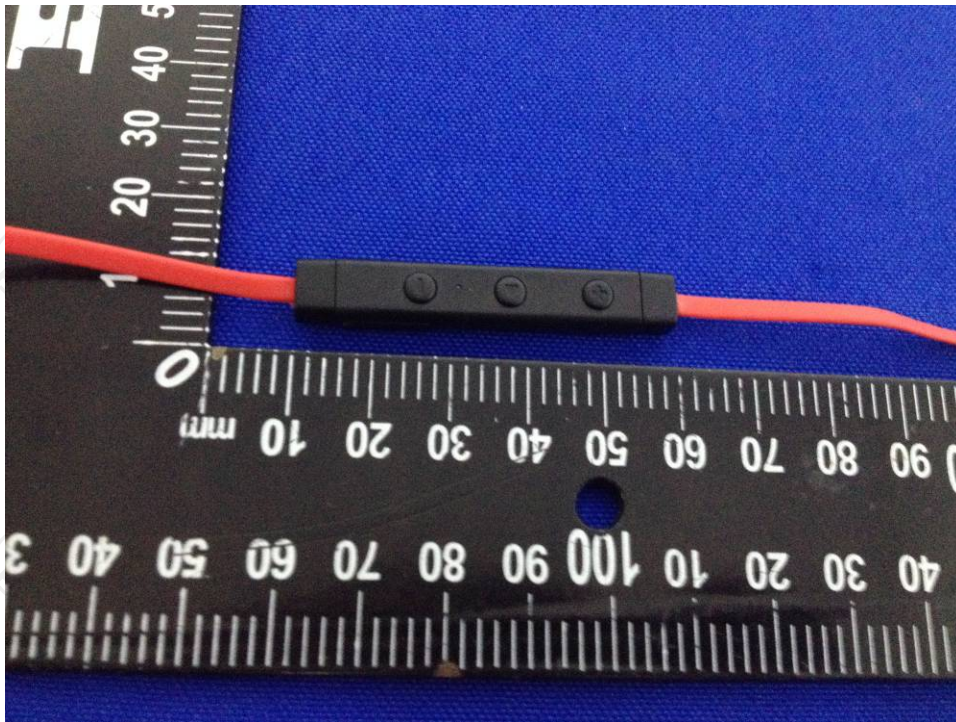
Appendix B: Photographs of Test Setup
Radiated Emission

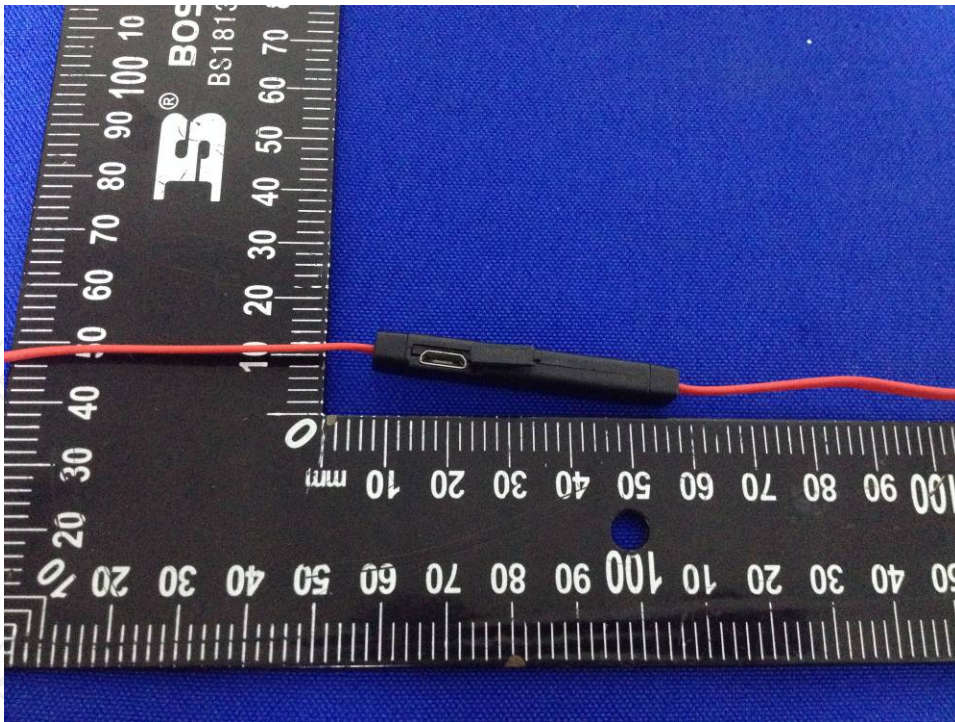
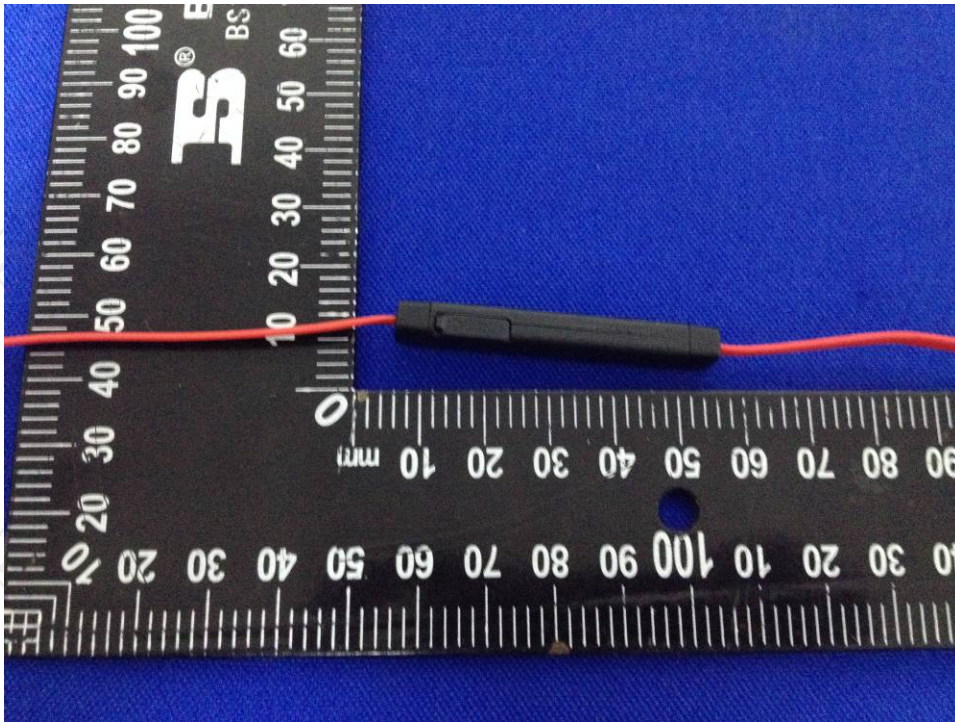


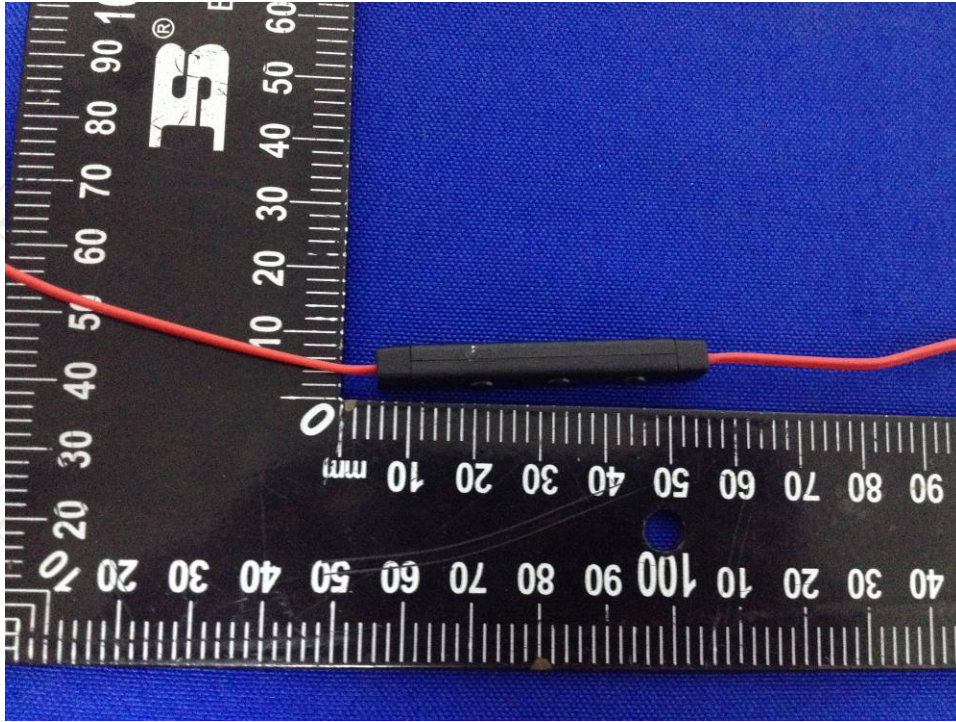


Appendix C: Photographs of EUT
Model: BT567E
External Photos









Model: BT567E
Internal Photos

