

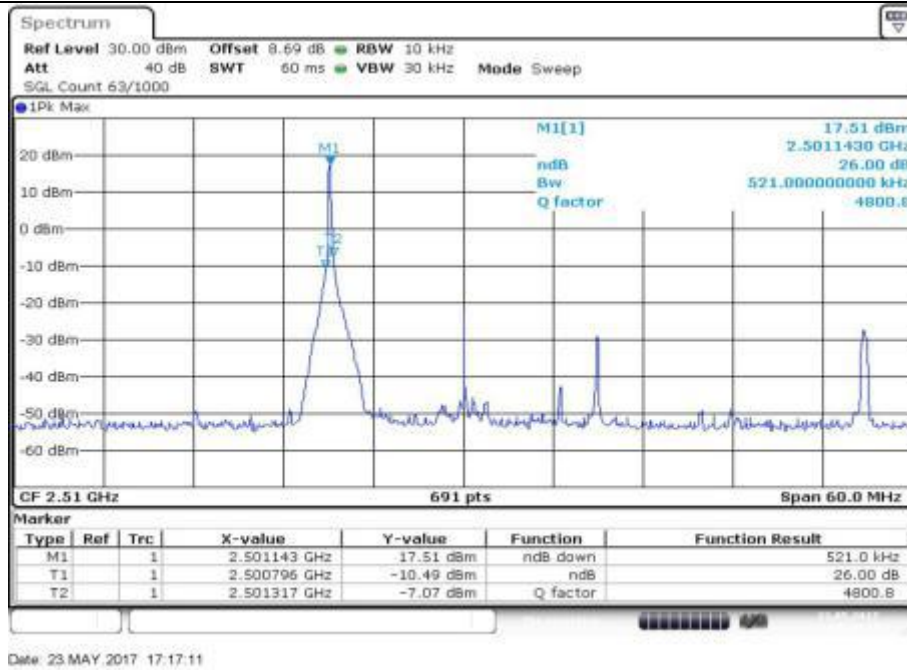


Fig.5

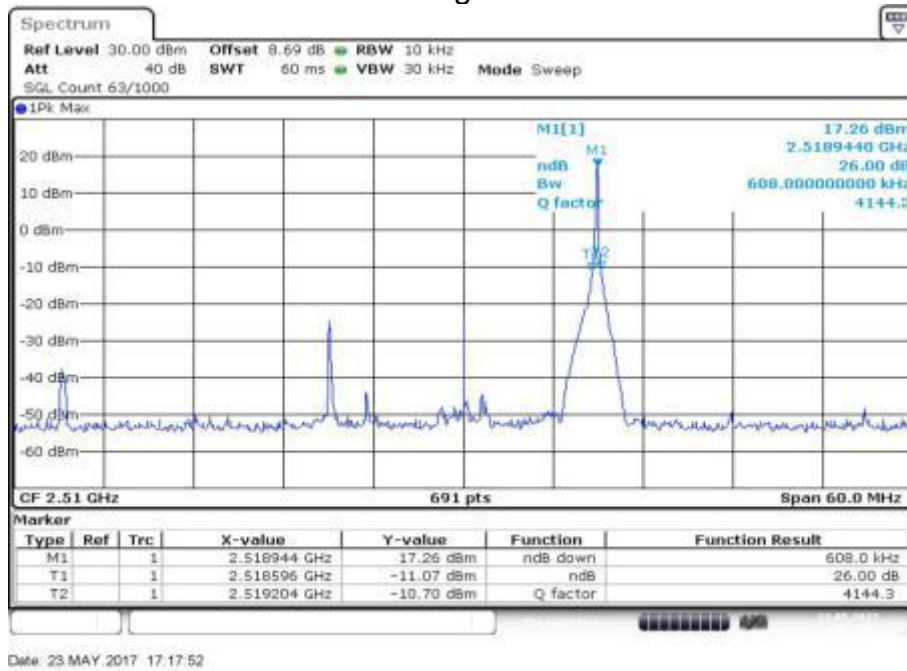


Fig.6

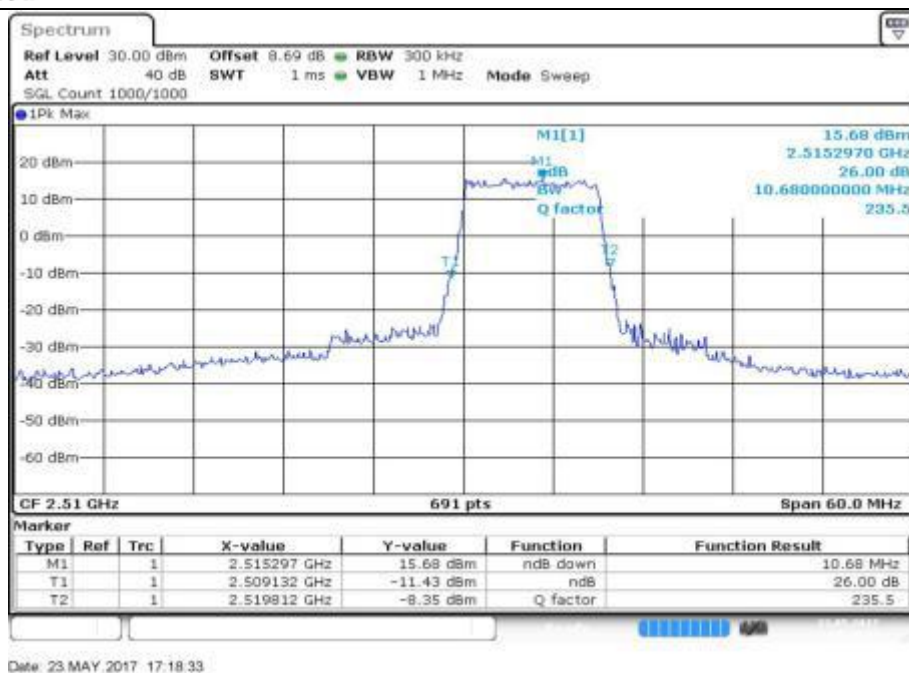


Fig.7

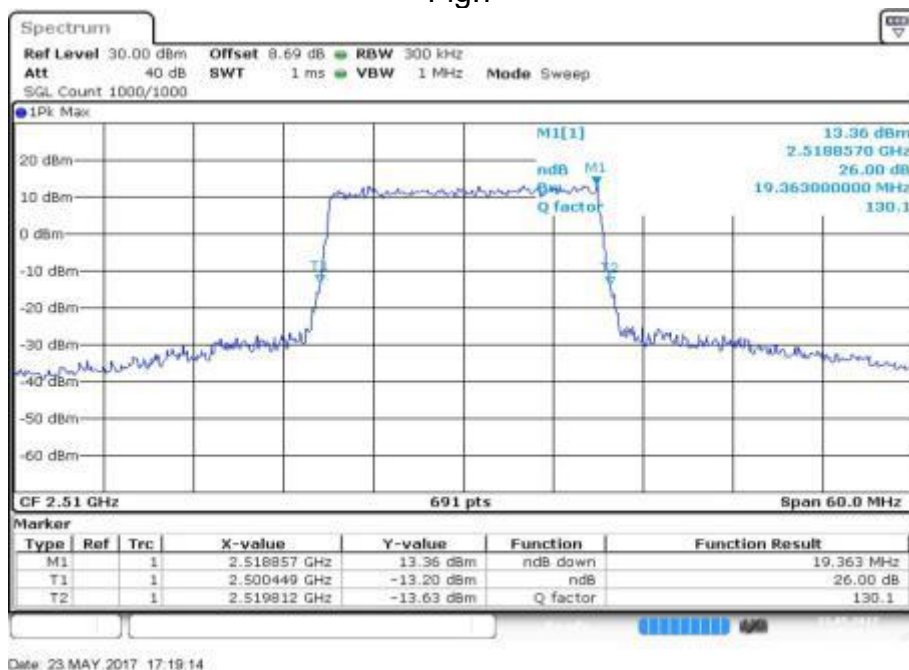


Fig.8

| Band | Carrier frequency (MHz) | Channel (Mid) | BW | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) |       |        |       |
|------|-------------------------|---------------|----|---------|-----------|--------------------------------------------|-------|--------|-------|
|      |                         |               |    |         |           | QPSK                                       |       | 16-QAM |       |
| 7    | 2535                    | 21100         | 20 | 1       | 0         | 0.434                                      | Fig.1 | 0.608  | Fig.5 |
|      |                         |               |    | 1       | 99        | 0.434                                      | Fig.2 | 0.521  | Fig.6 |
|      |                         |               |    | 50      | 25        | 10.507                                     | Fig.3 | 10.507 | Fig.7 |
|      |                         |               |    | 100     | 0         | 19.450                                     | Fig.4 | 19.450 | Fig.8 |

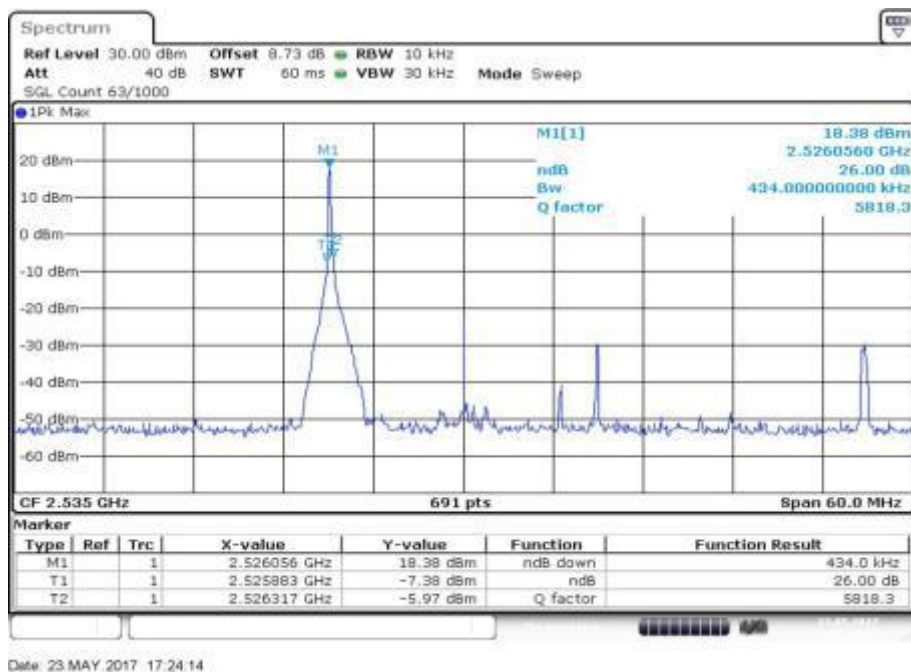


Fig.1

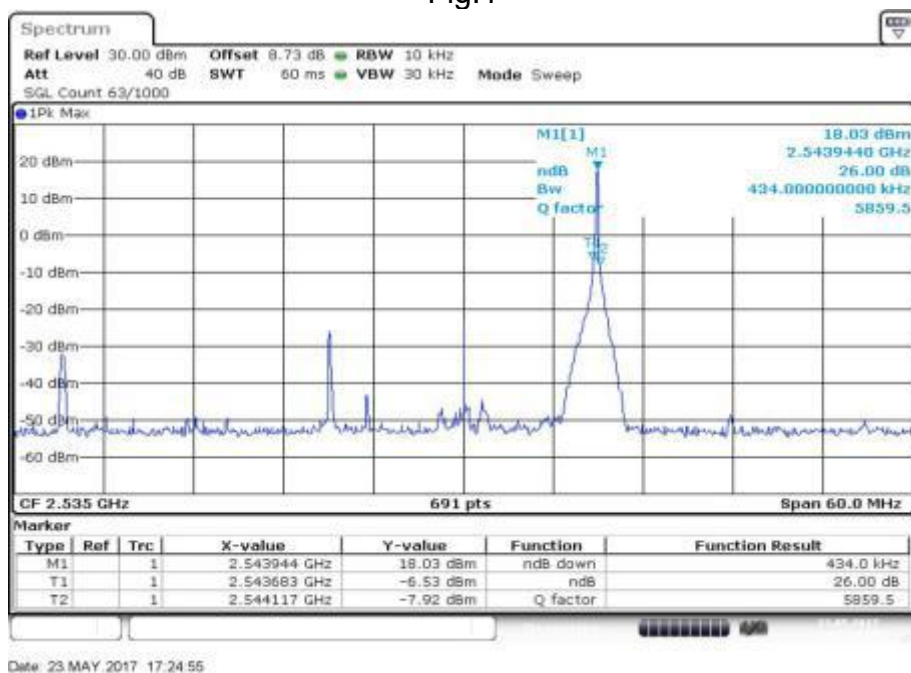


Fig.2

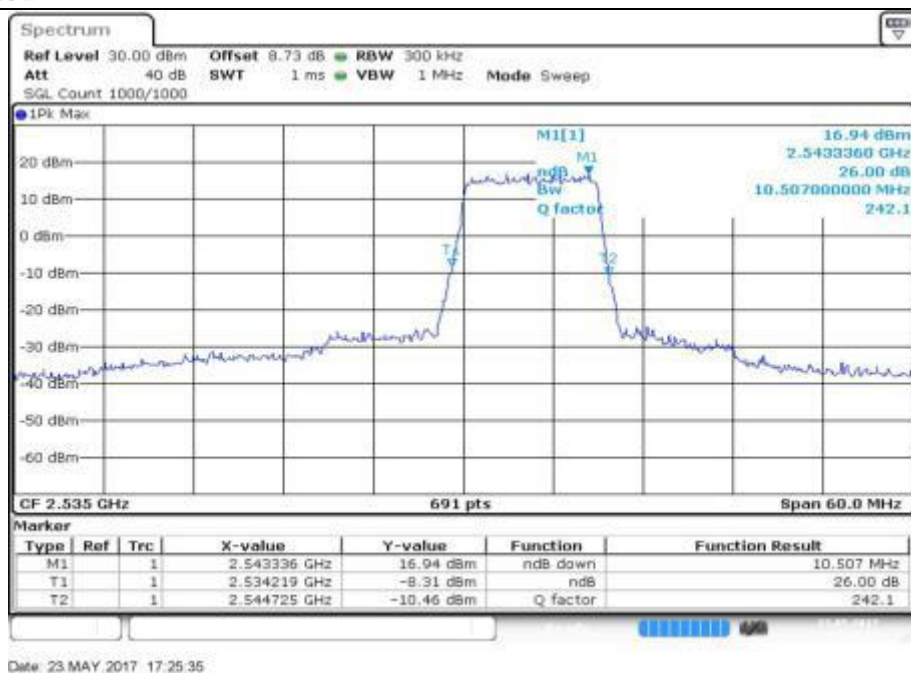


Fig.3

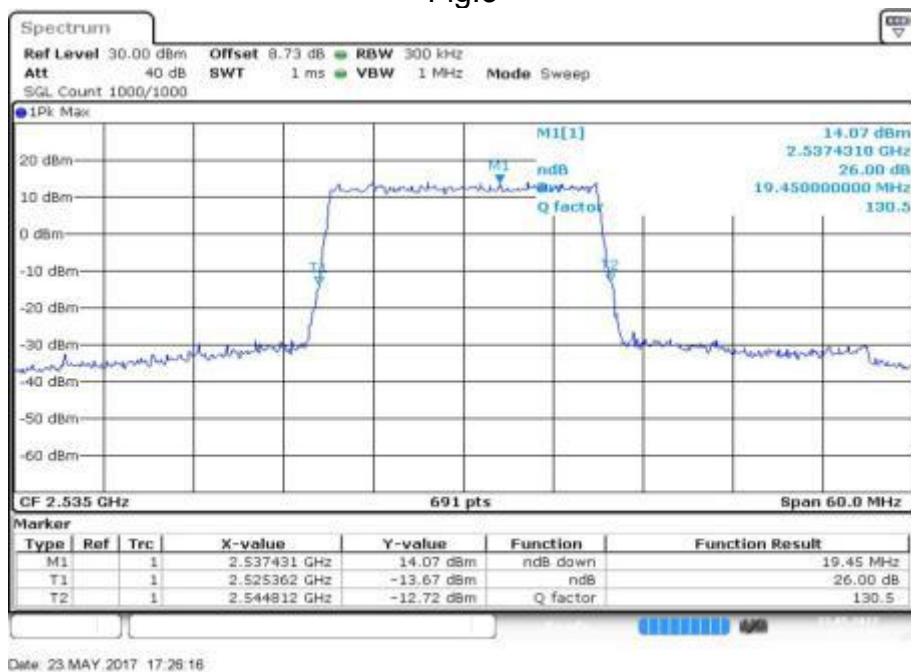


Fig.4

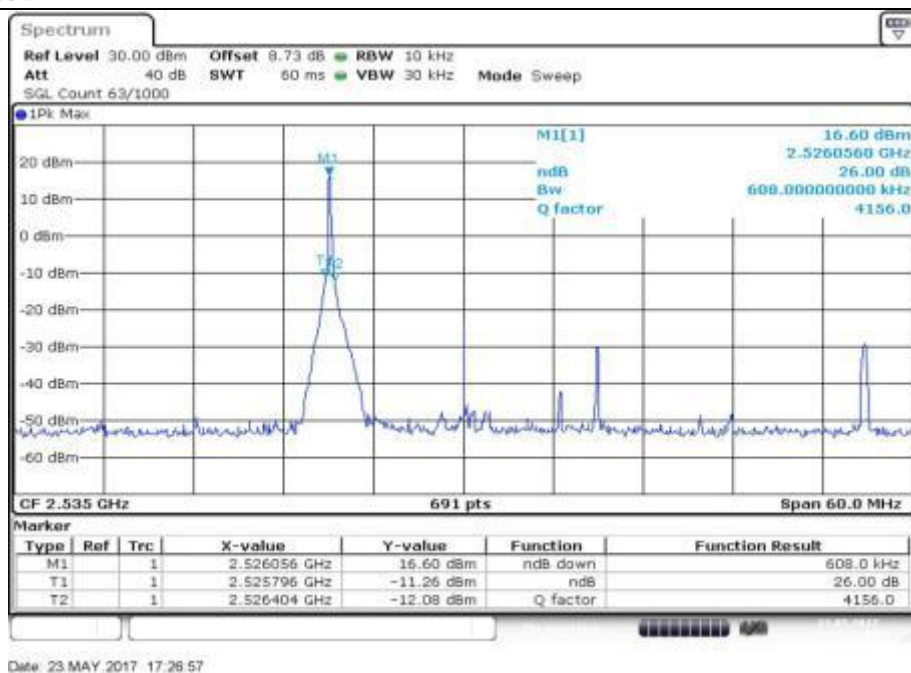


Fig.5

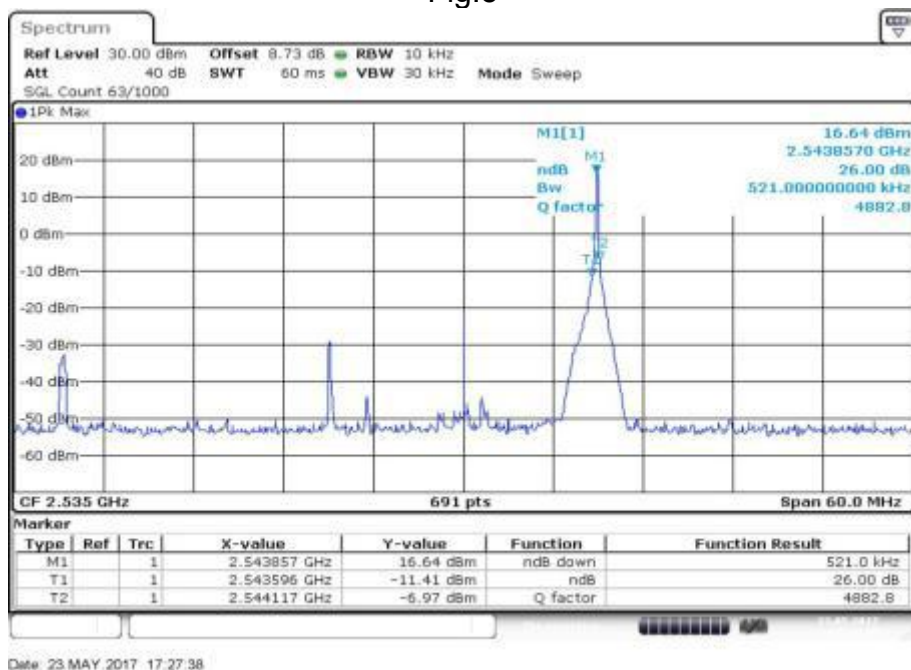


Fig.6

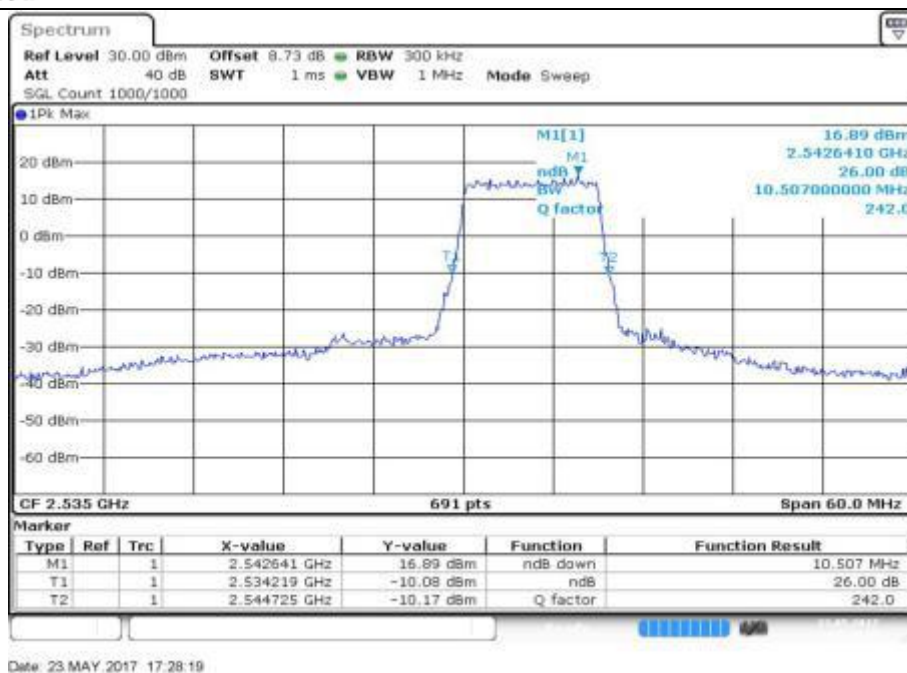


Fig.7

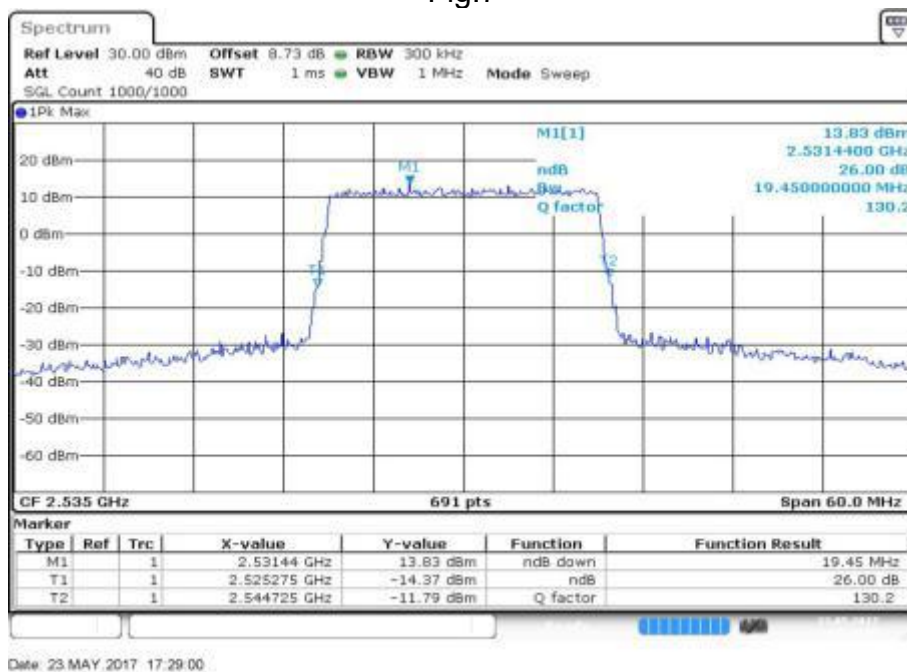


Fig.8

| Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) |       |        |       |
|------|-------------------------|----------------|----|---------|-----------|--------------------------------------------|-------|--------|-------|
|      |                         |                |    |         |           | QPSK                                       |       | 16-QAM |       |
| 7    | 2560                    | 21350          | 20 | 1       | 0         | 0.521                                      | Fig.1 | 0.608  | Fig.5 |
|      |                         |                |    | 1       | 99        | 0.434                                      | Fig.2 | 0.521  | Fig.6 |
|      |                         |                |    | 50      | 25        | 10.593                                     | Fig.3 | 10.593 | Fig.7 |
|      |                         |                |    | 100     | 0         | 19.624                                     | Fig.4 | 19.537 | Fig.8 |

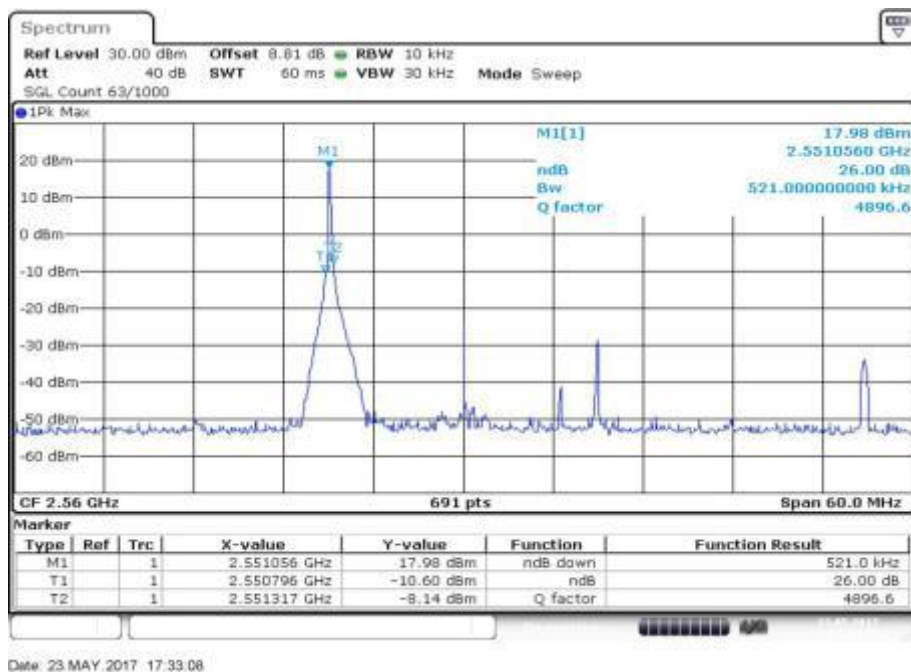


Fig.1

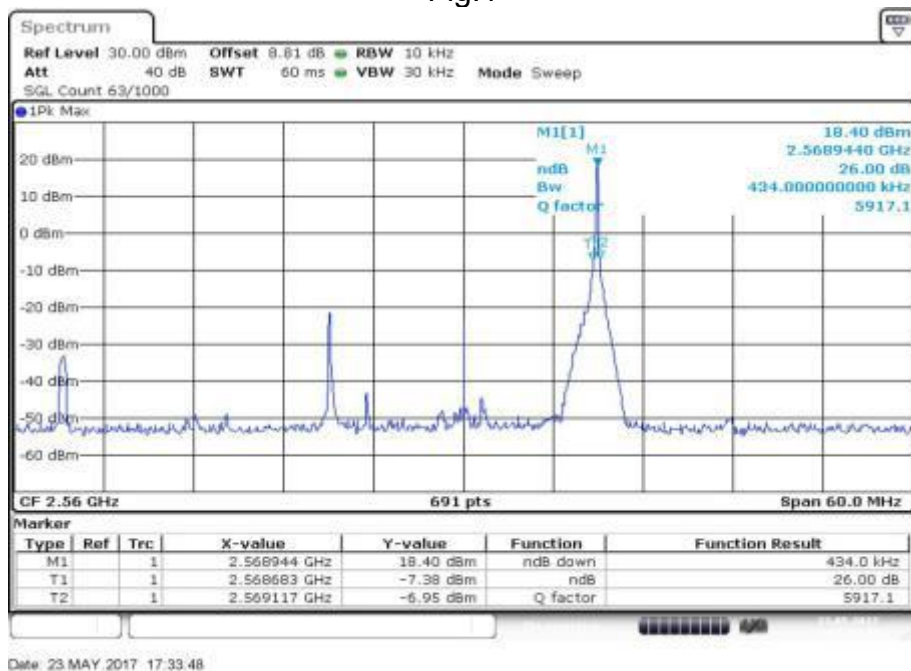


Fig.2

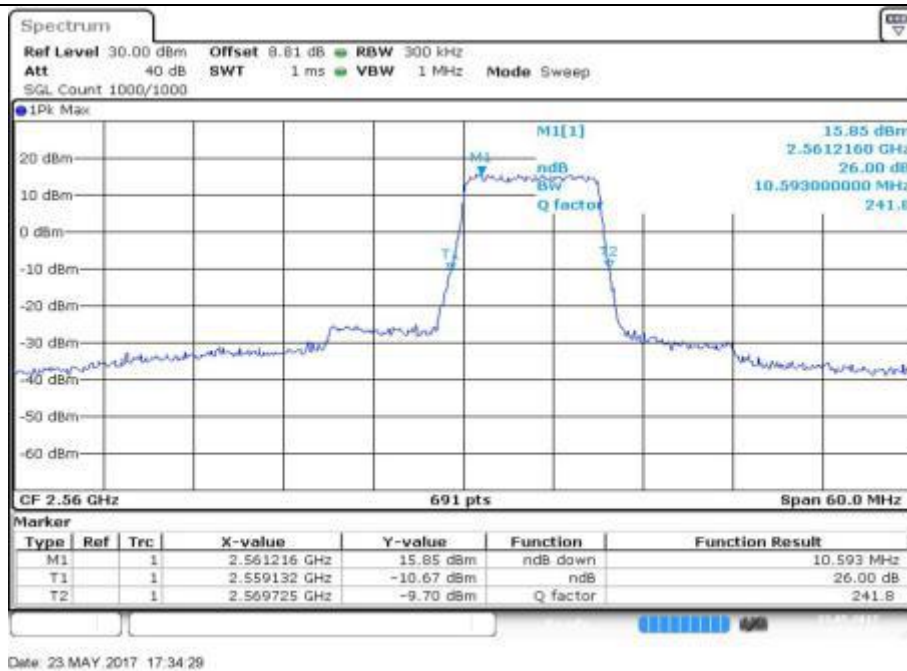


Fig.3

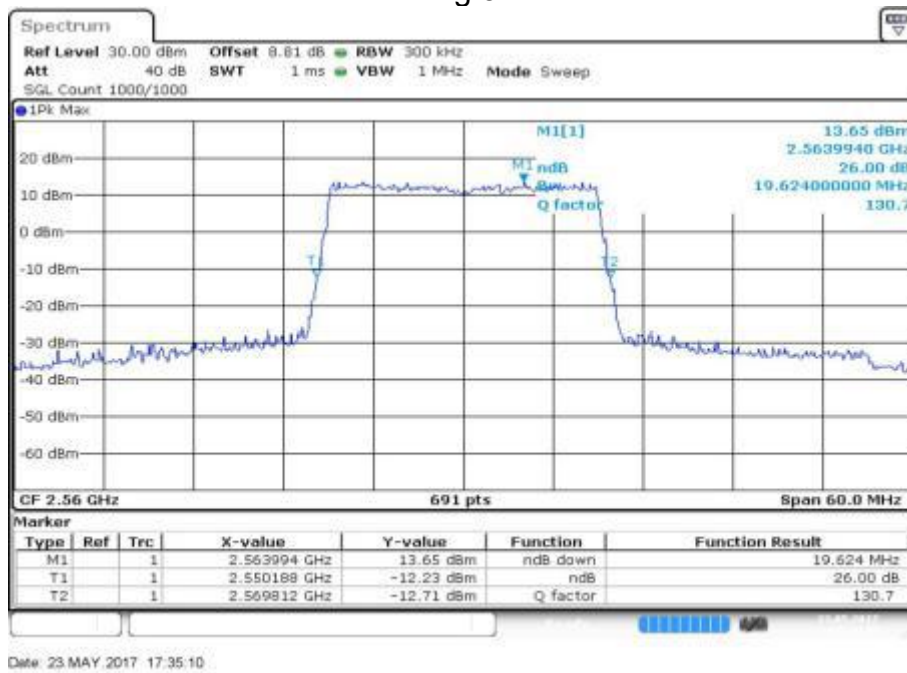


Fig.4

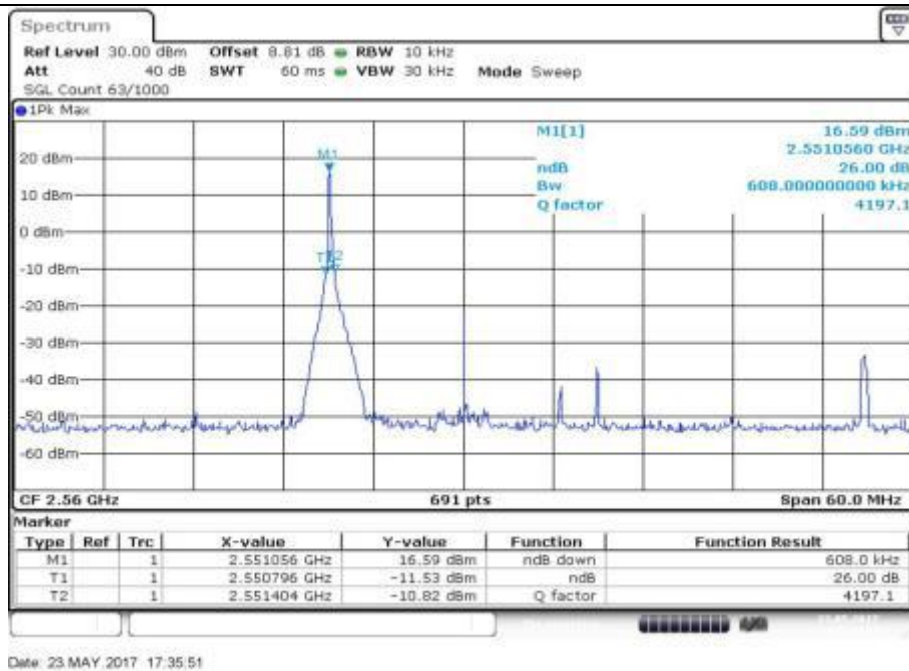


Fig.5

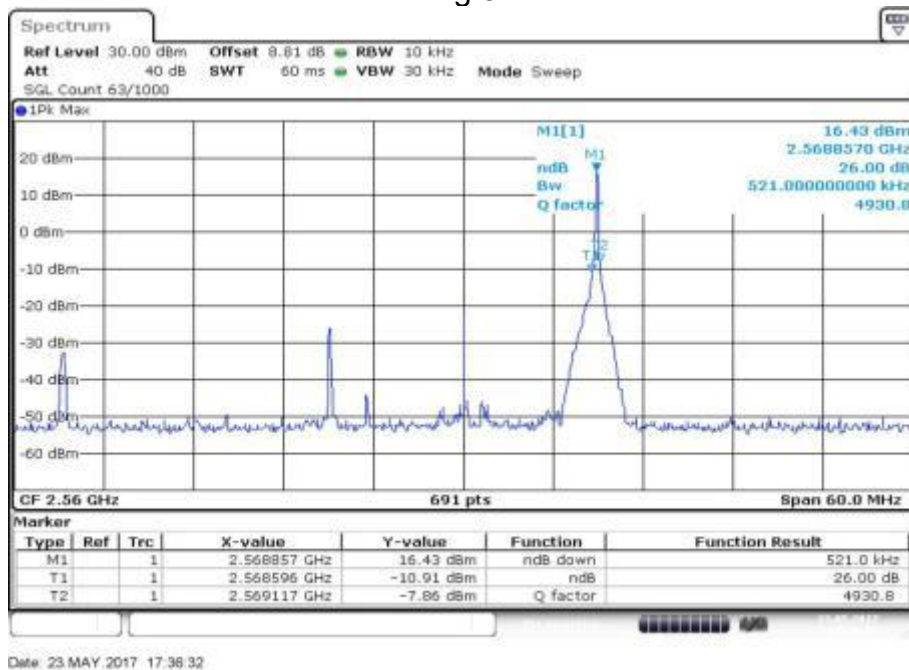


Fig.6

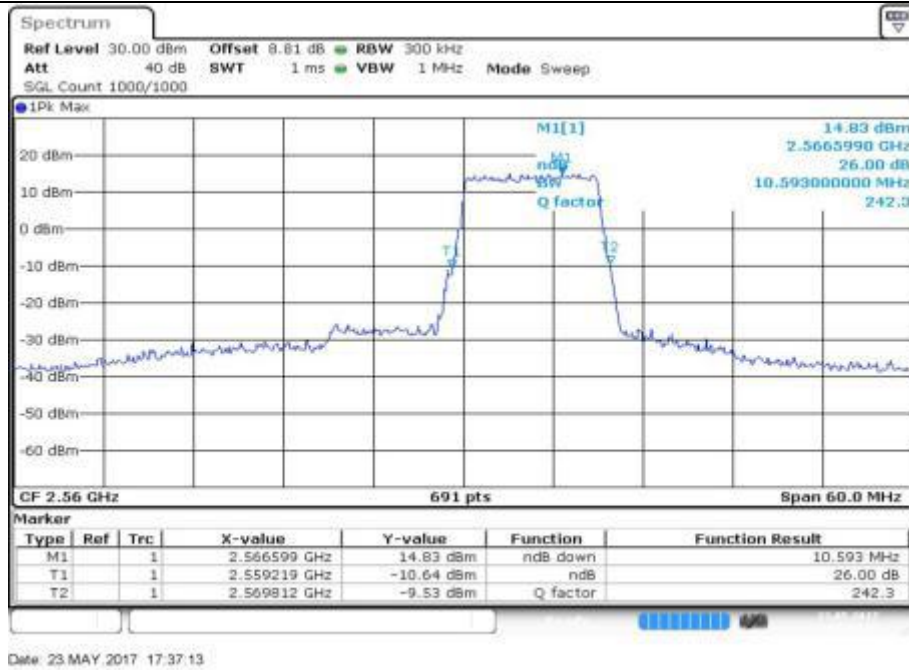


Fig.7

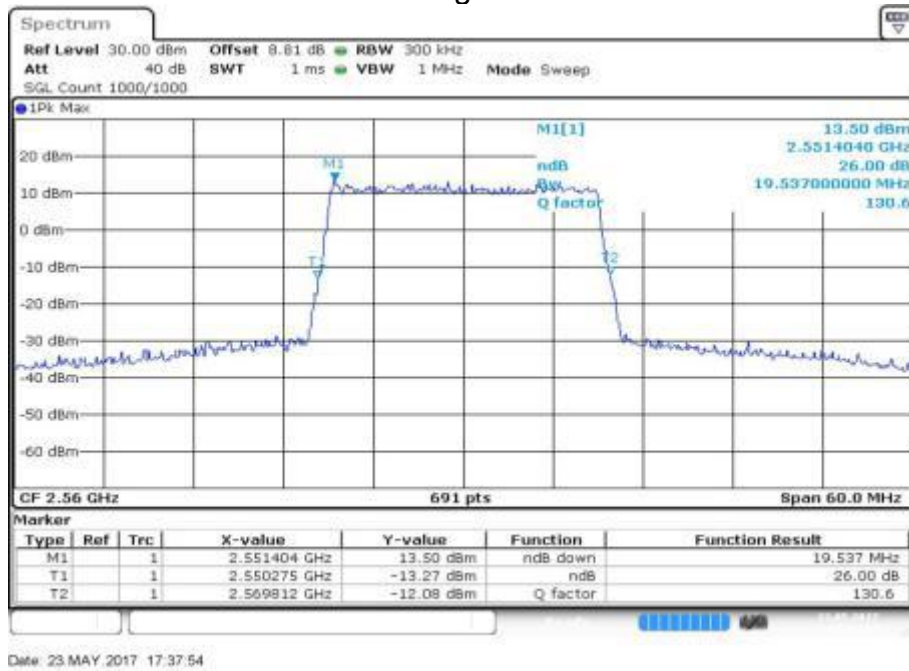
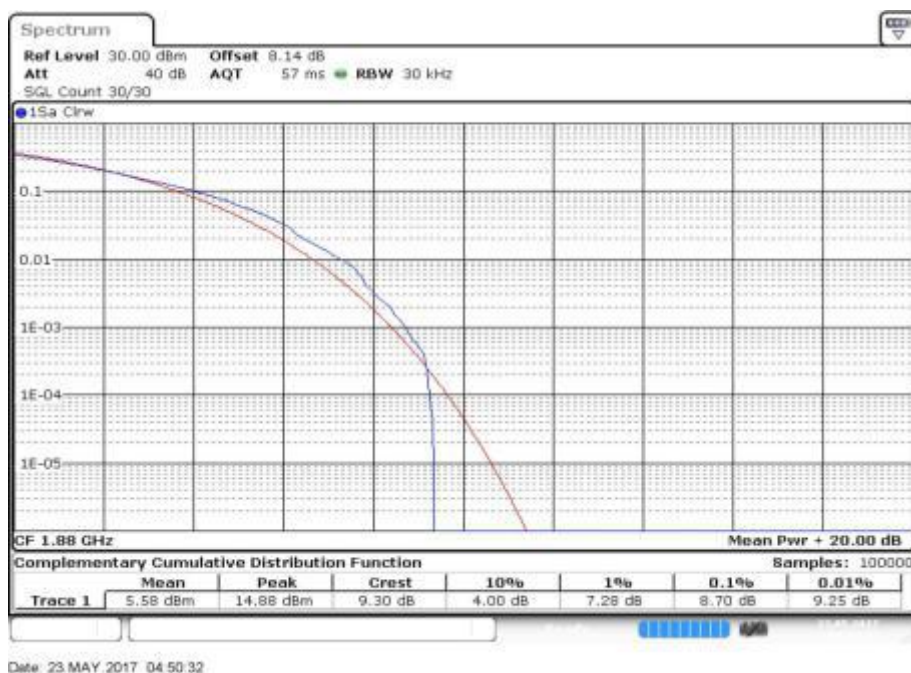


Fig.8

#### 4 Peak-Average Ratio -FCC Part 27.50(d)(5)

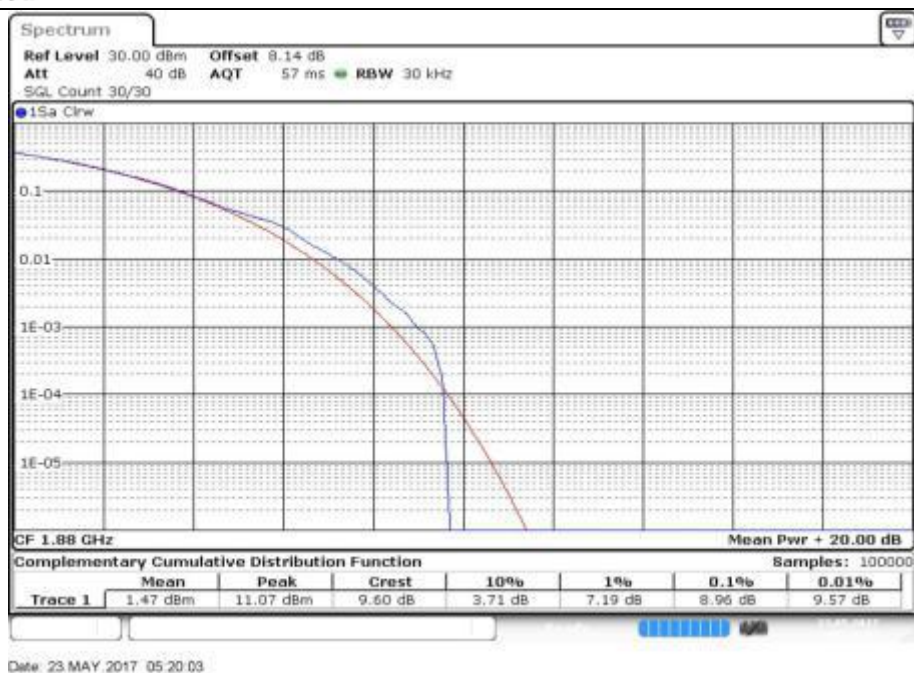
Test result:



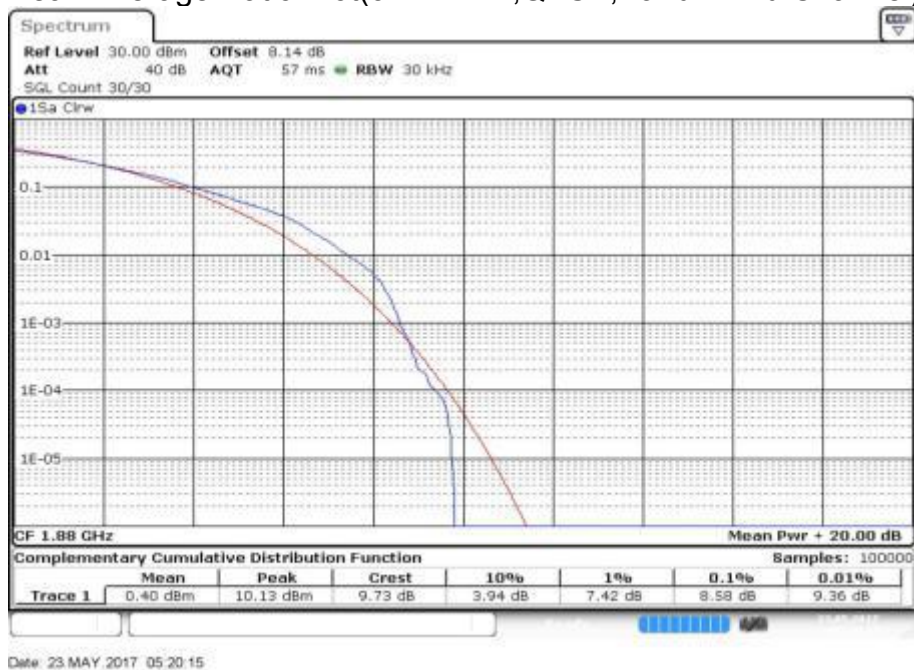
Peak-Average Ratio Plot(1.4MHz BW,QPSK,Band 2-mid Channel)



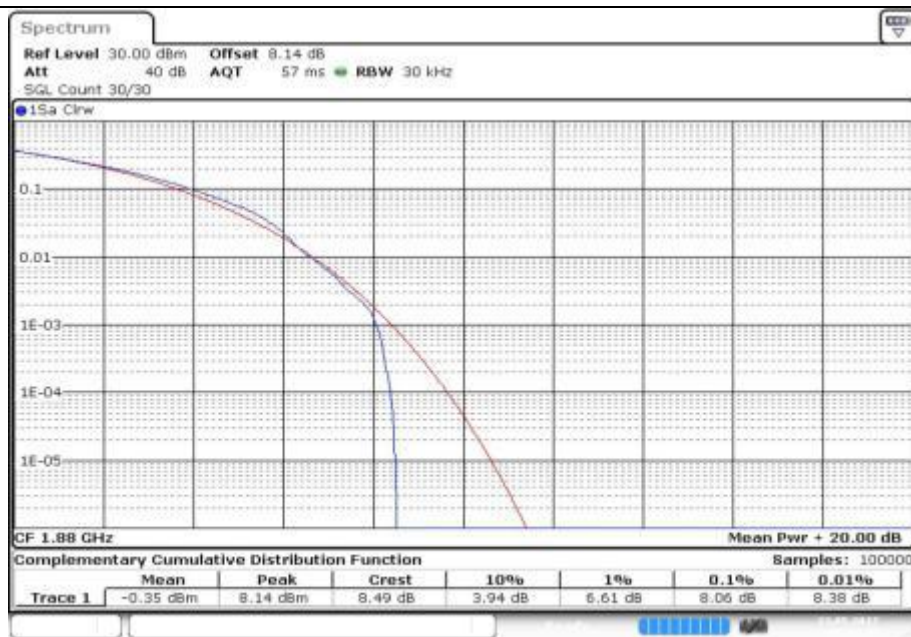
Peak-Average Ratio Plot(1.4MHz BW,16QAM,Band 2-mid Channel)



Peak-Average Ratio Plot(3MHz BW,QPSK,Band 2-mid Channel)

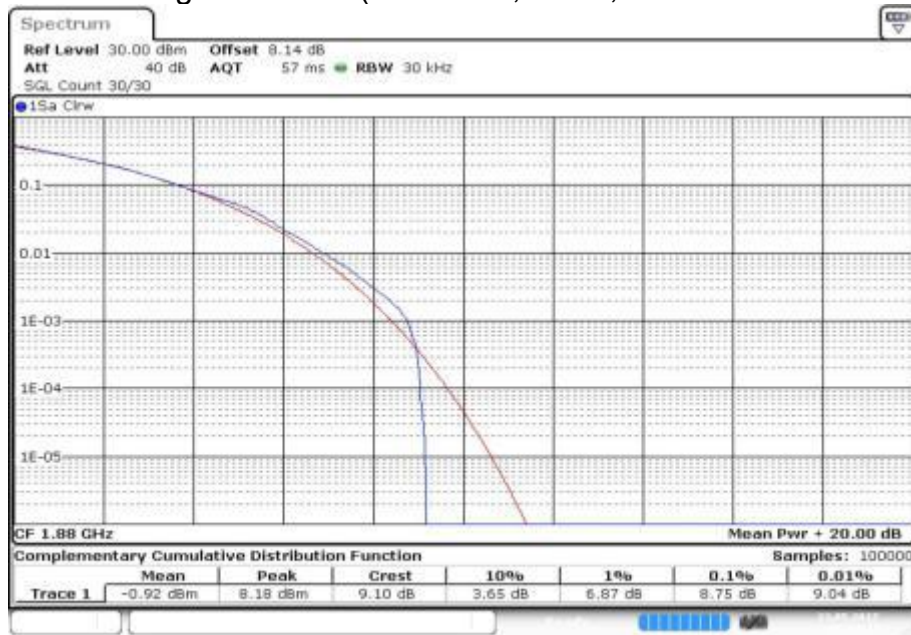


Peak-Average Ratio Plot(3MHz BW,16QAM,Band 2-mid Channel)



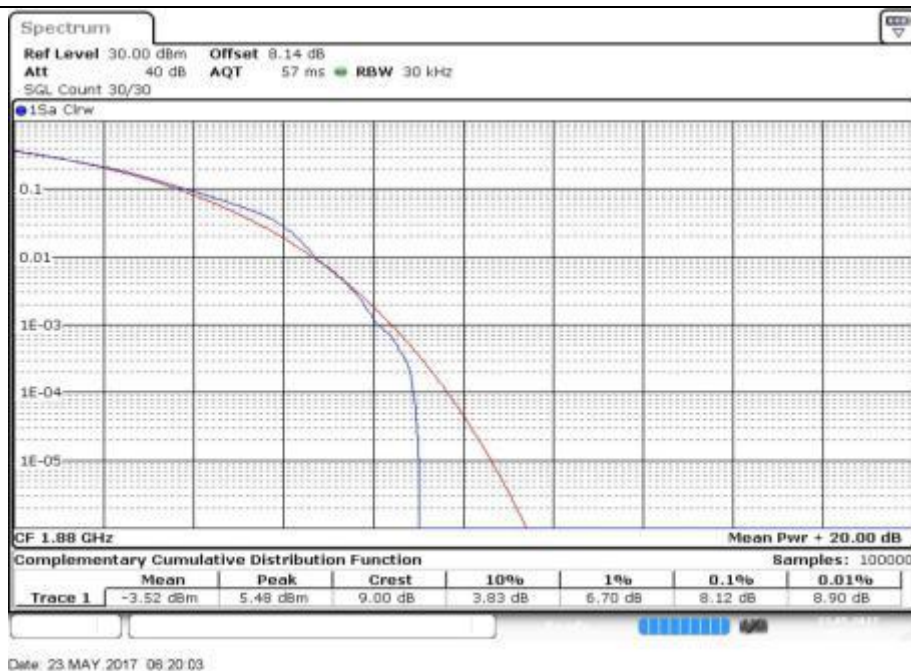
Date: 23 MAY 2017 05:50:29

Peak-Average Ratio Plot(5MHz BW,QPSK,Band 2-mid Channel)

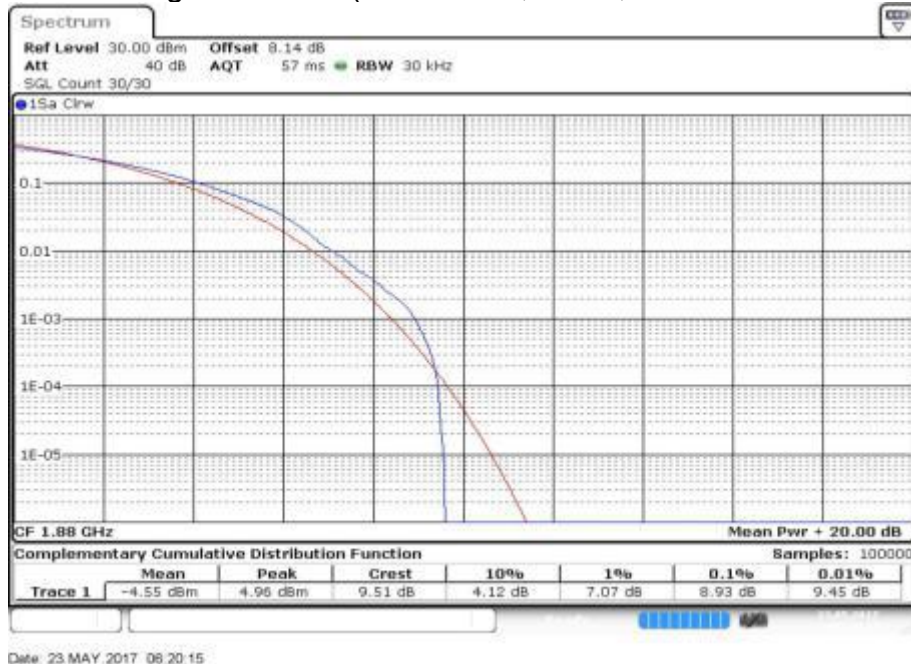


Date: 23 MAY 2017 05:50:41

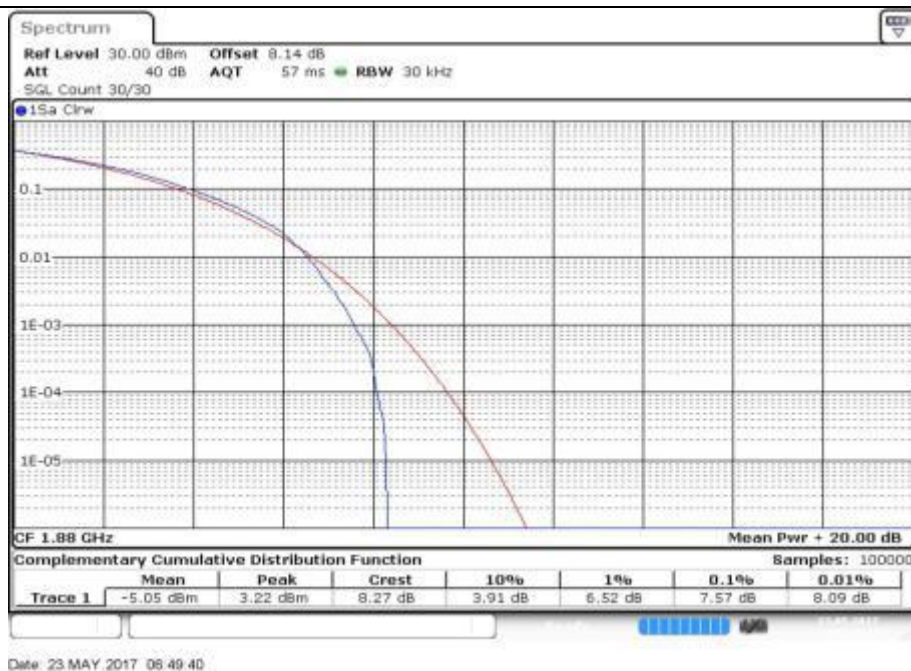
Peak-Average Ratio Plot(5MHz BW,16QAM,Band 2-mid Channel)



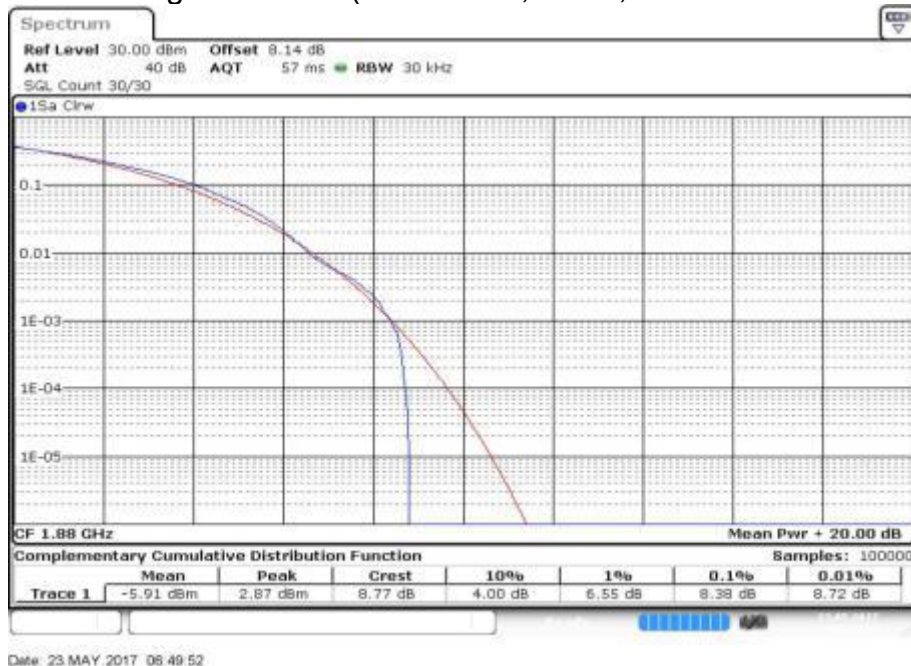
Peak-Average Ratio Plot(10MHz BW,QPSK,Band 2-mid Channel)



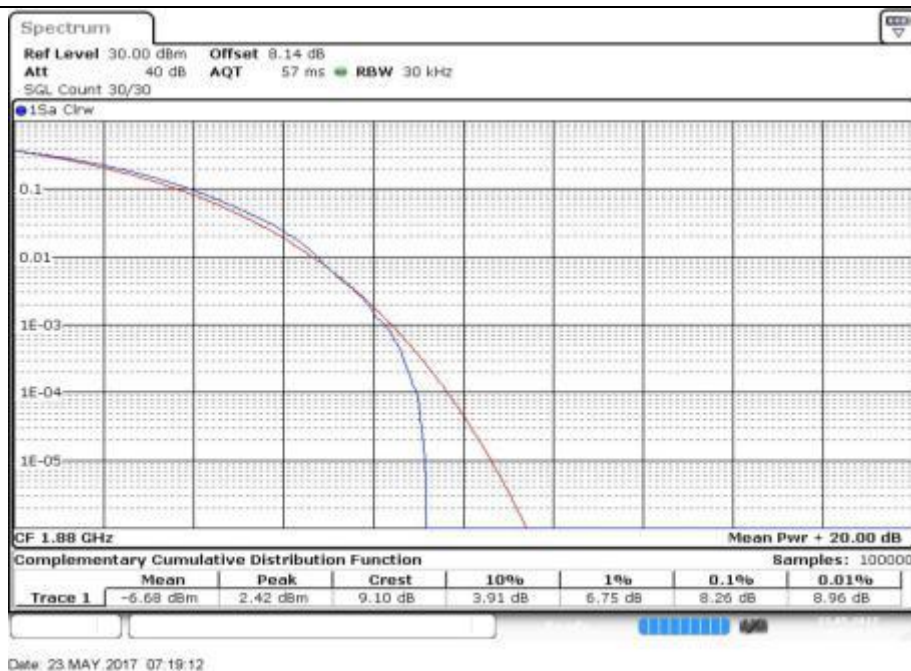
Peak-Average Ratio Plot(10MHz BW,16QAM,Band 2-mid Channel)



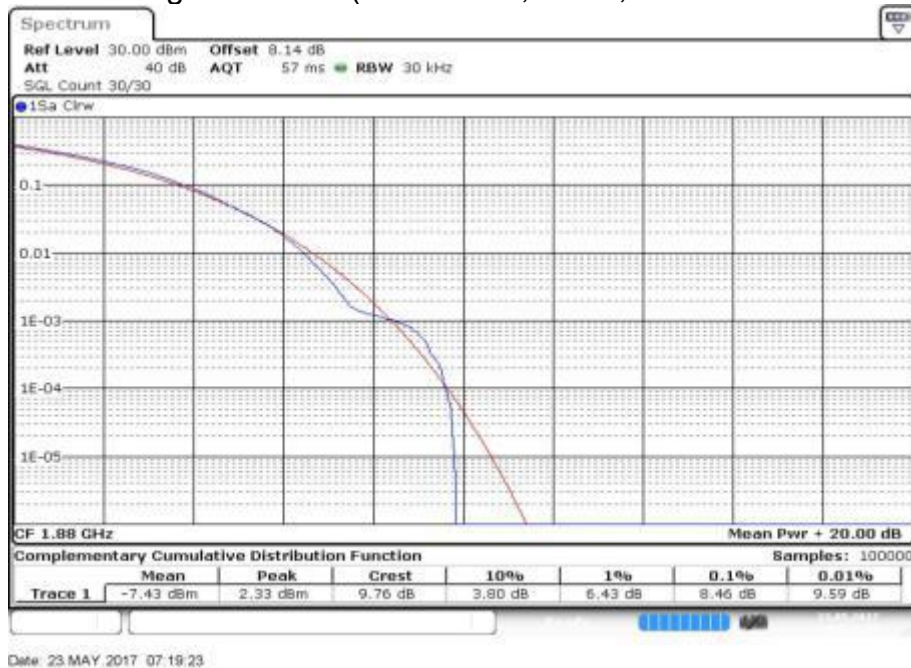
Peak-Average Ratio Plot(15MHz BW,QPSK,Band 2-mid Channel)



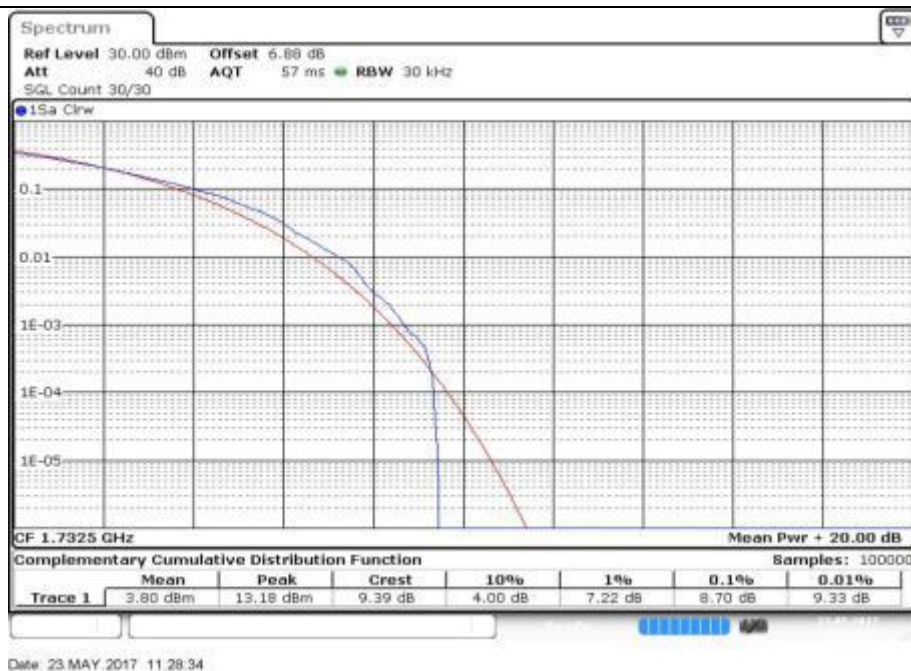
Peak-Average Ratio Plot(15MHz BW,16QAM,Band 2-mid Channel)



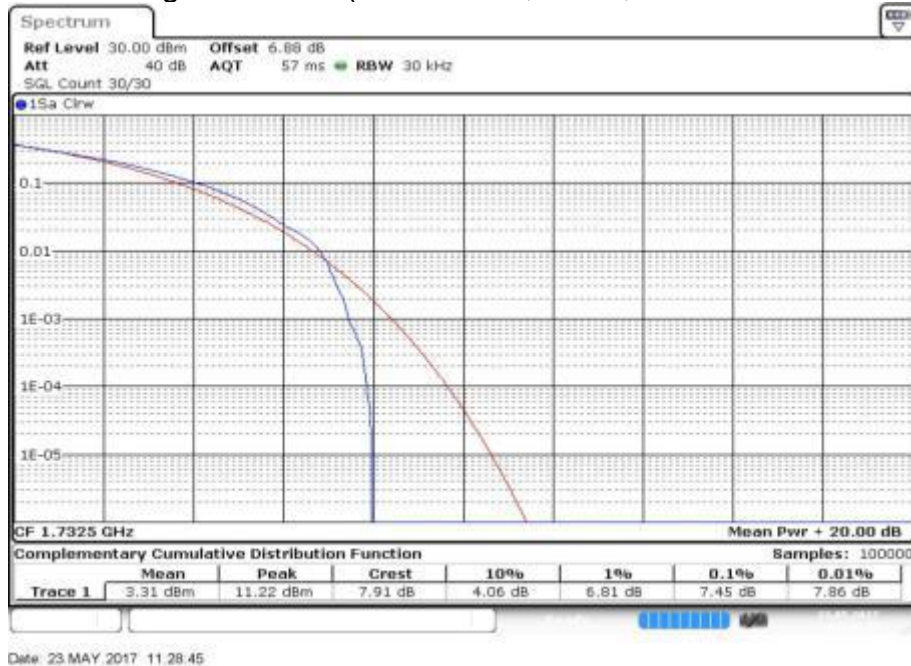
Peak-Average Ratio Plot(20MHz BW,QPSK,Band 2-mid Channel)



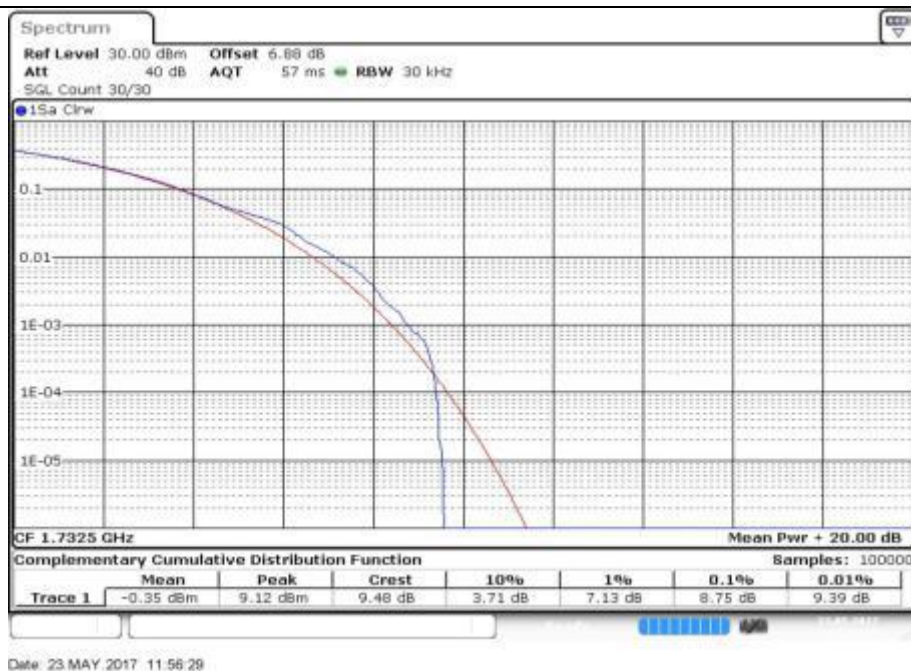
Peak-Average Ratio Plot(20MHz BW,16QAM,Band 2-mid Channel)



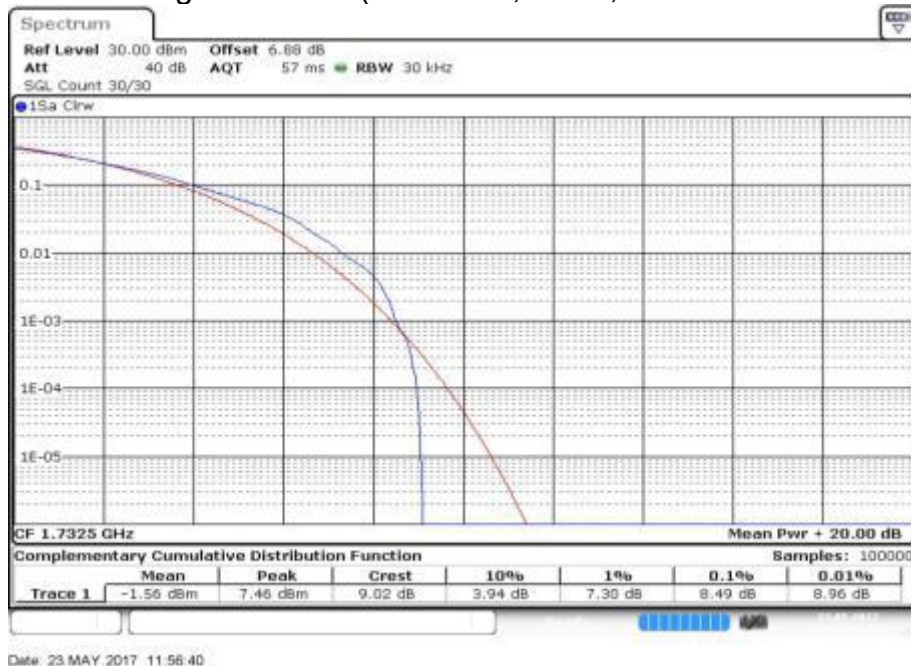
Peak-Average Ratio Plot(1.4MHz BW,QPSK,Band 4-mid Channel)



Peak-Average Ratio Plot(1.4MHz BW,16QAM,Band 4-mid Channel)



Peak-Average Ratio Plot(3MHz BW,QPSK,Band 4-mid Channel)



Peak-Average Ratio Plot(3MHz BW,16QAM,Band 4-mid Channel)



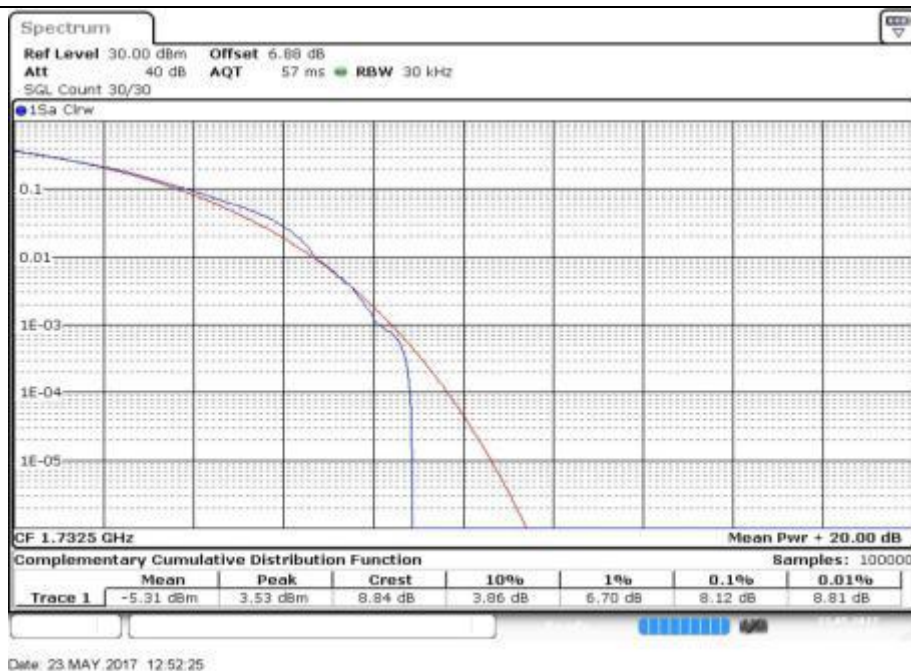
Date: 23 MAY 2017 12:24:22

Peak-Average Ratio Plot(5MHz BW,QPSK,Band 4-mid Channel)

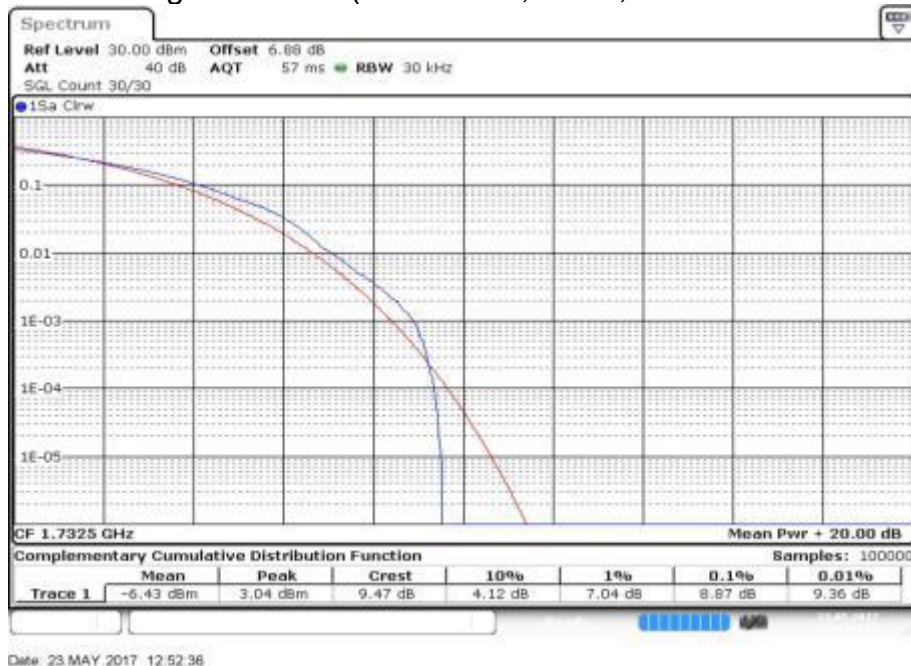


Date: 23 MAY 2017 12:24:33

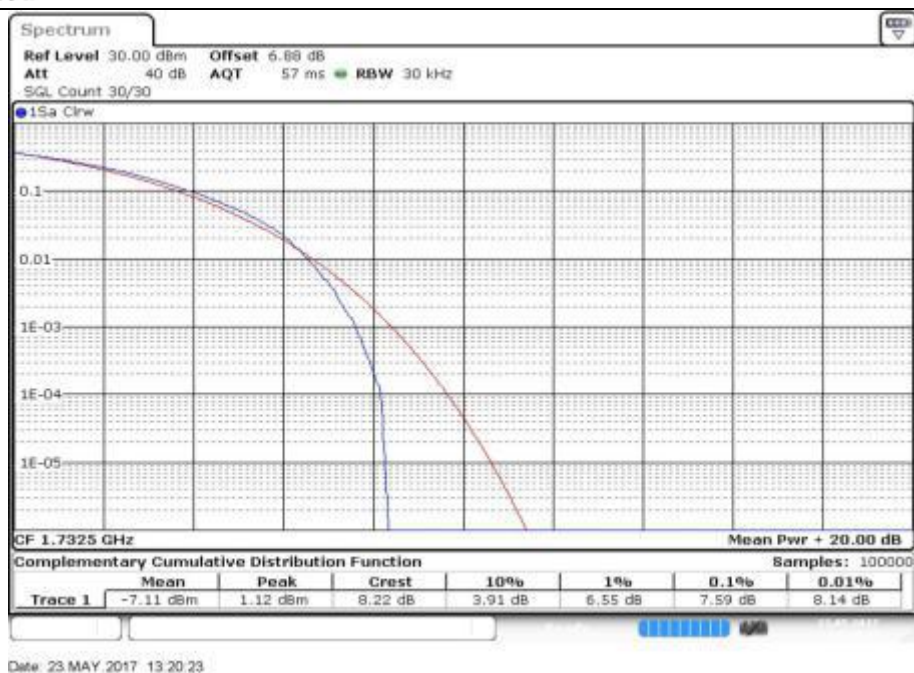
Peak-Average Ratio Plot(5MHz BW,16QAM,Band 4-mid Channel)



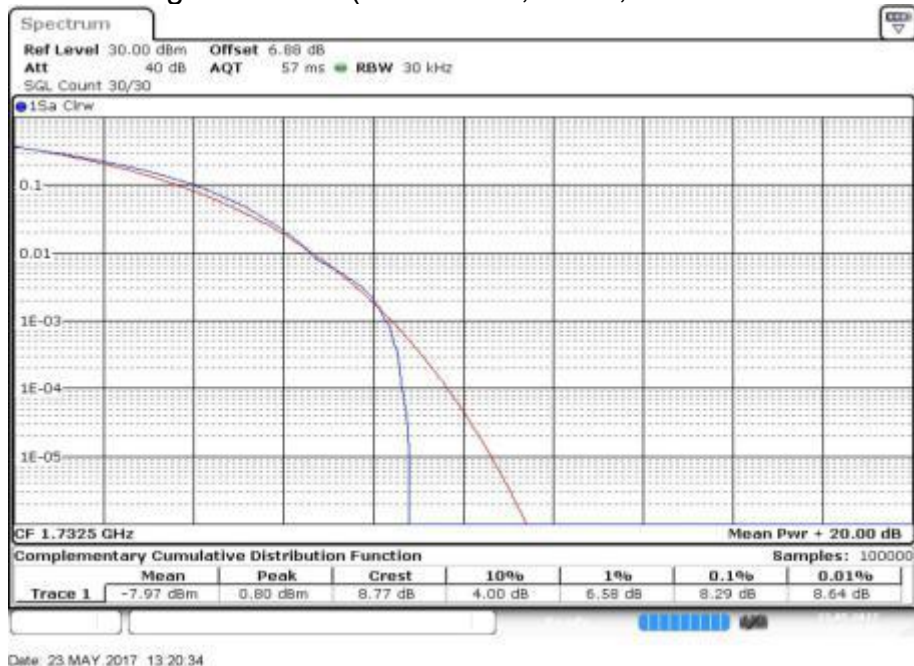
Peak-Average Ratio Plot(10MHz BW,QPSK,Band 4-mid Channel)



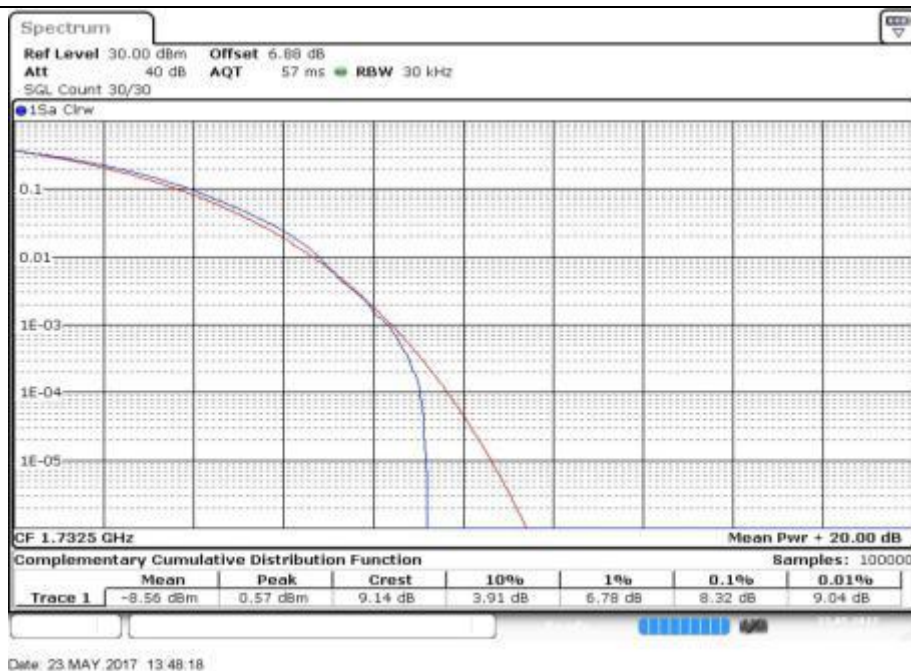
Peak-Average Ratio Plot(10MHz BW,16QAM,Band 4-mid Channel)



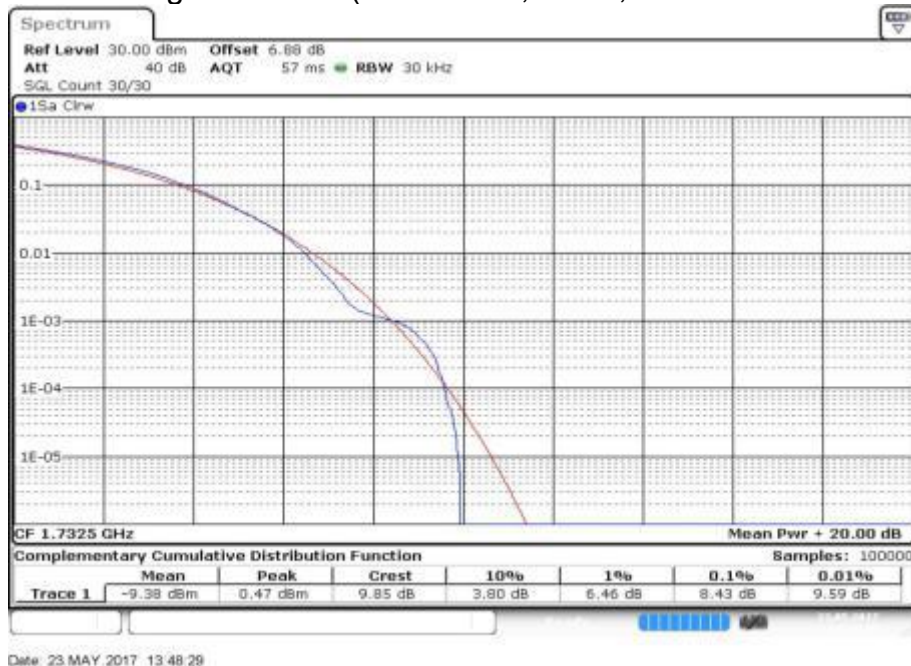
Peak-Average Ratio Plot(15MHz BW,QPSK,Band 4-mid Channel)



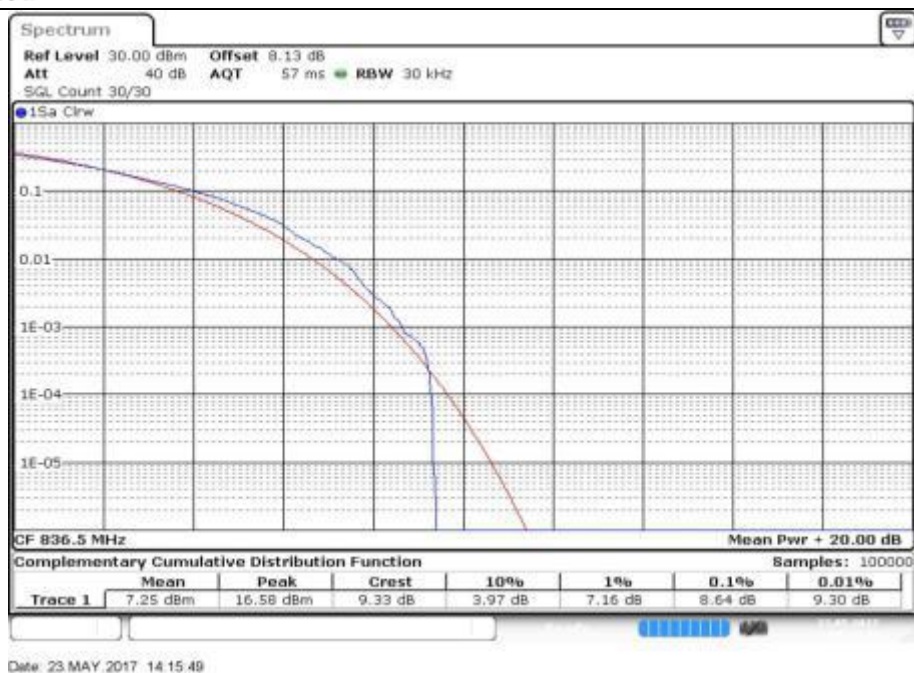
Peak-Average Ratio Plot(15MHz BW,16QAM,Band 4-mid Channel)



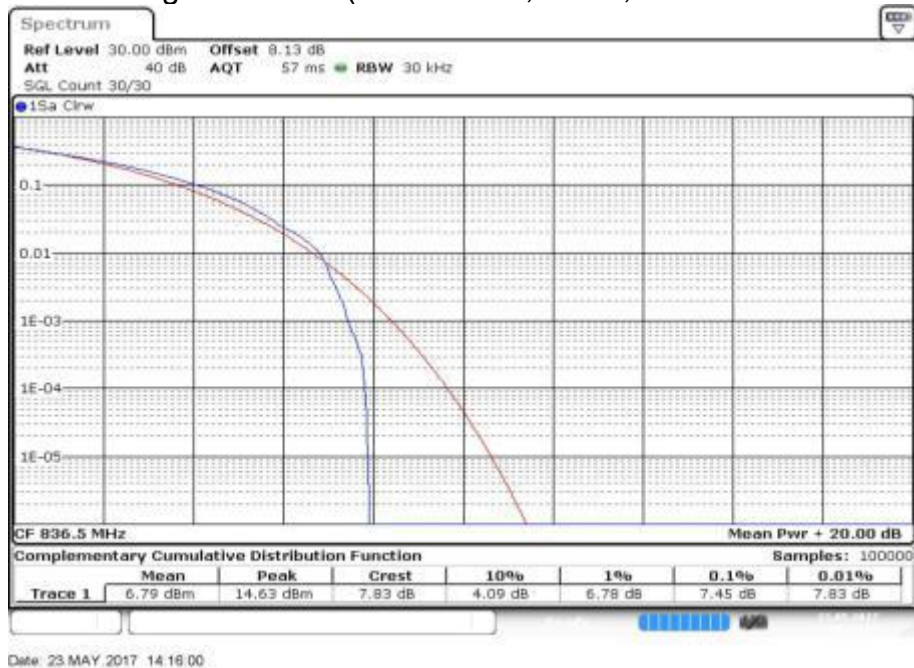
Peak-Average Ratio Plot(20MHz BW,QPSK,Band 4-mid Channel)



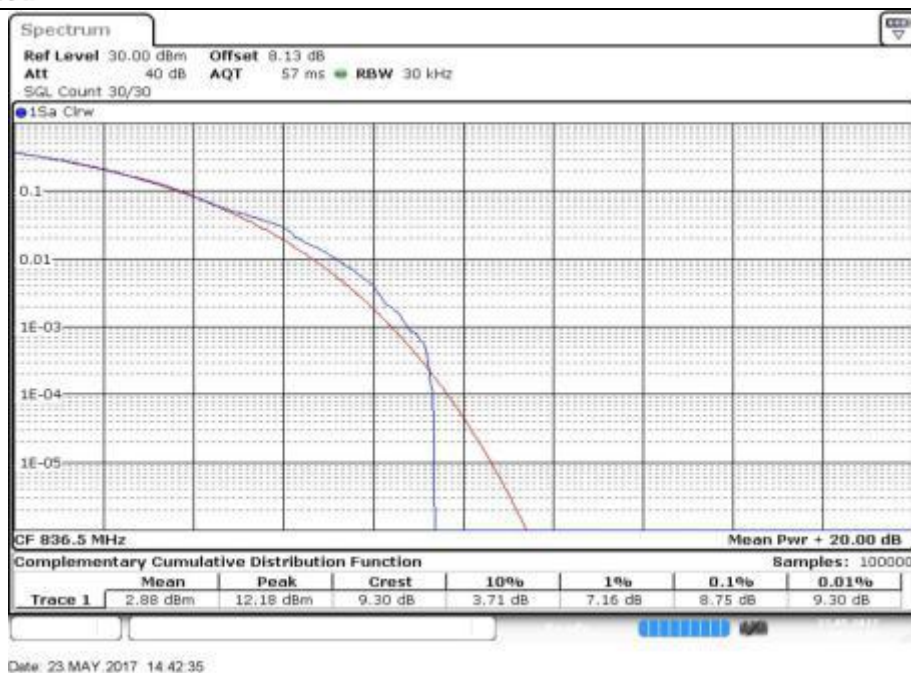
Peak-Average Ratio Plot(20MHz BW,16QAM,Band 4-mid Channel)



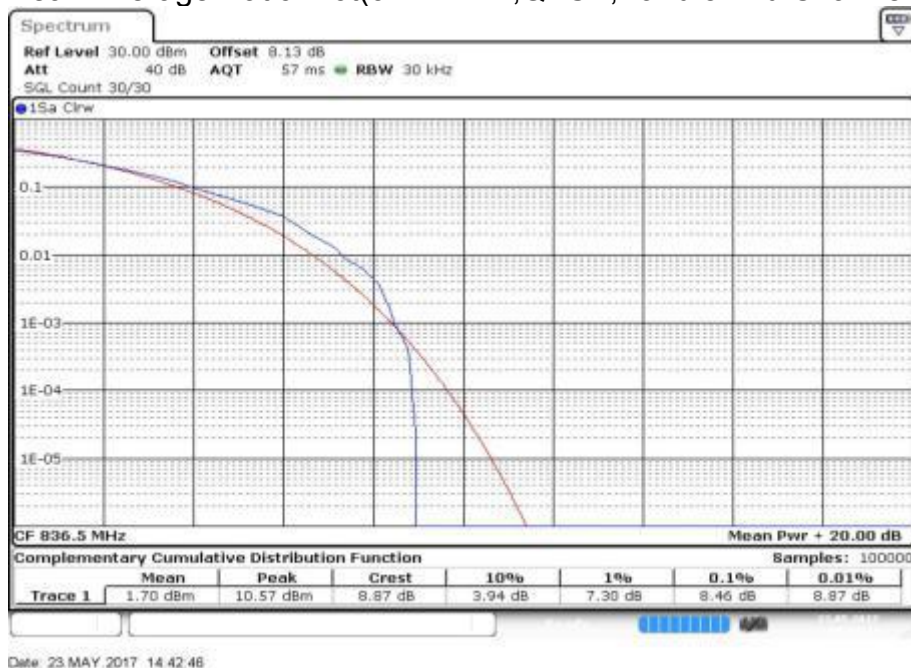
Peak-Average Ratio Plot(1.4MHz BW,QPSK,Band 5-mid Channel)



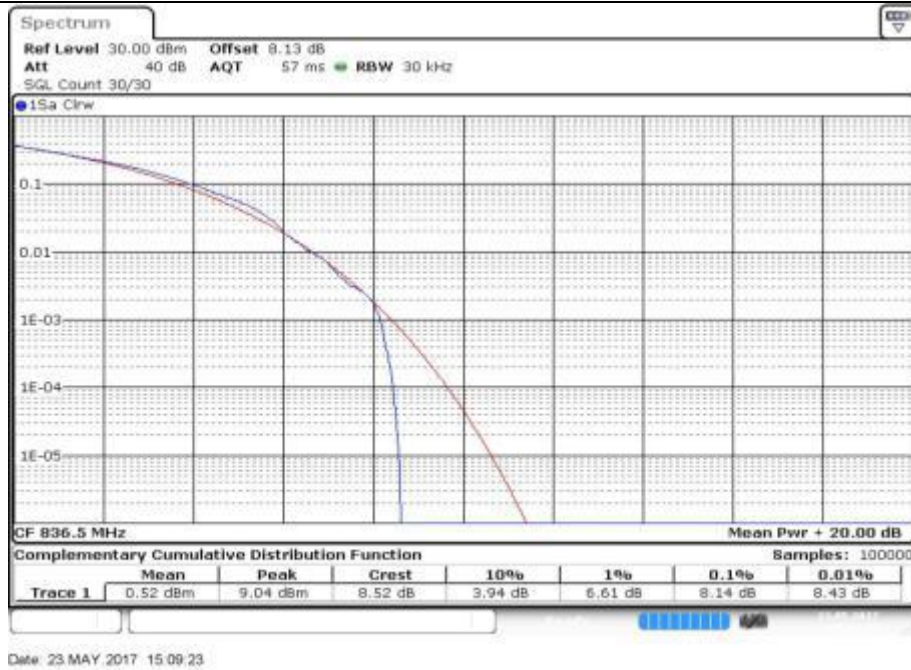
Peak-Average Ratio Plot(1.4MHz BW,16QAM,Band 5-mid Channel)



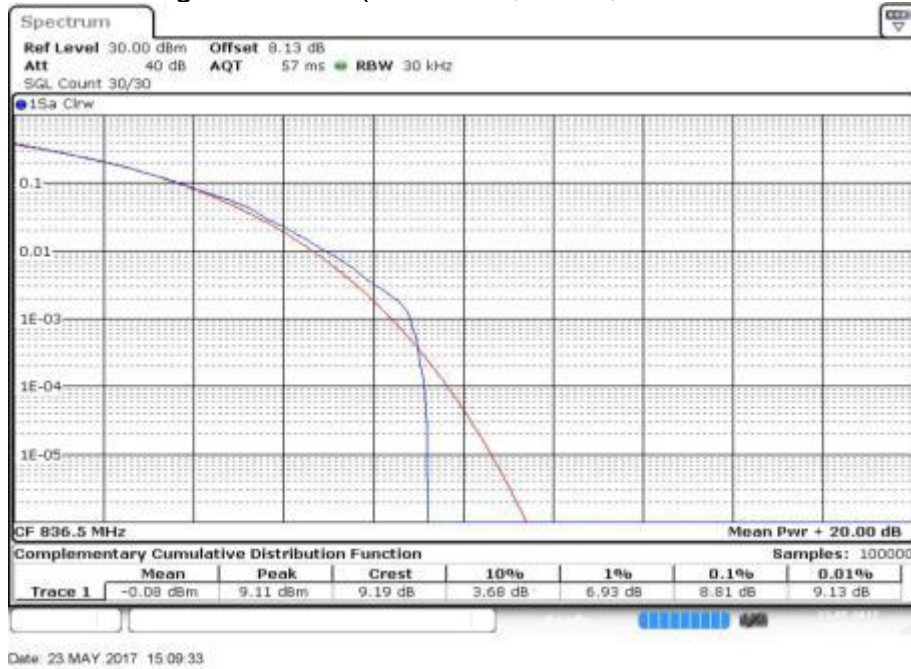
Peak-Average Ratio Plot(3MHz BW,QPSK,Band 5-mid Channel)



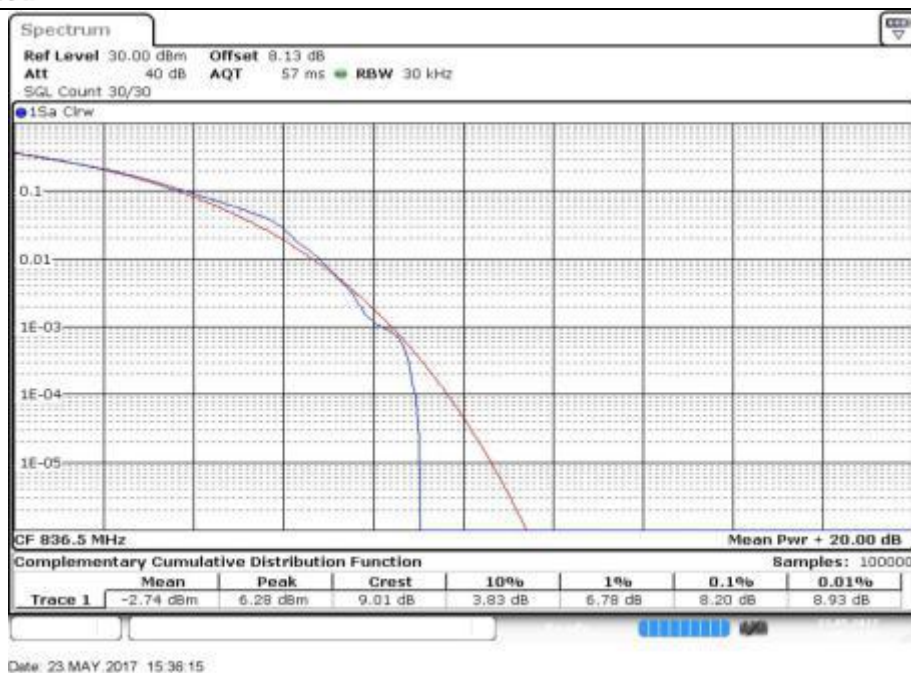
Peak-Average Ratio Plot(3MHz BW,16QAM,Band 5-mid Channel)



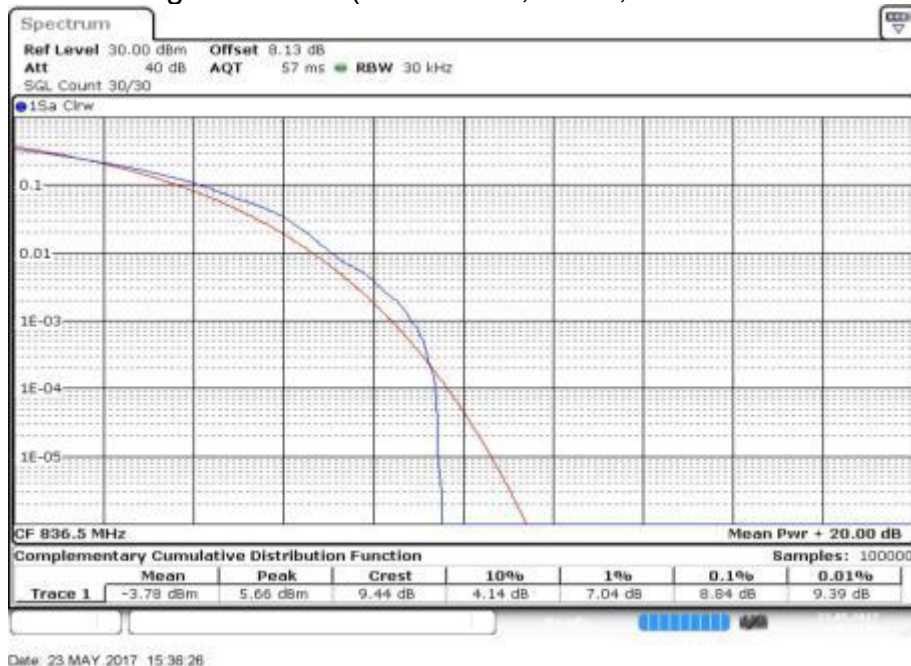
Peak-Average Ratio Plot(5MHz BW,QPSK,Band 5-mid Channel)



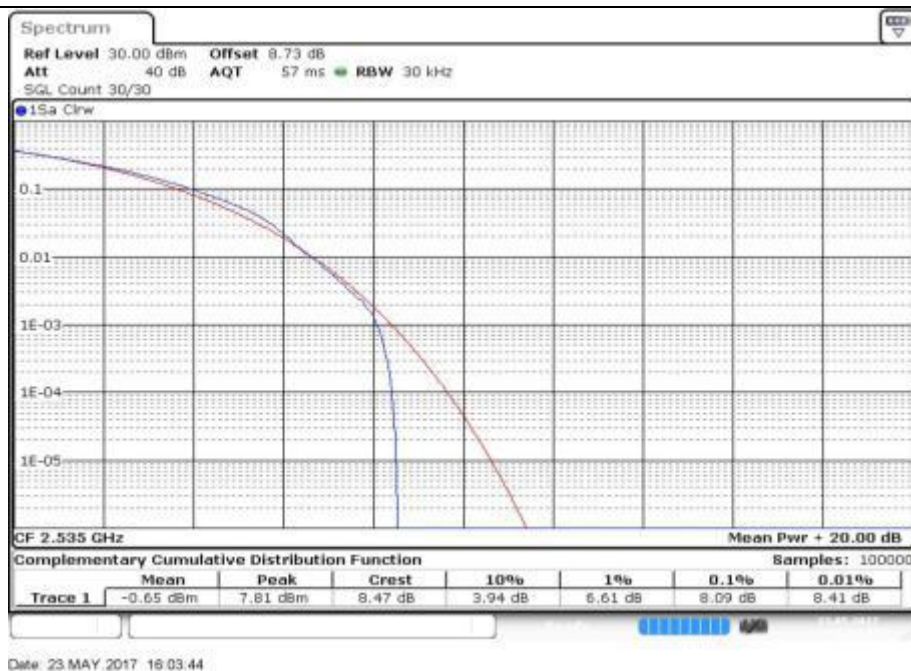
Peak-Average Ratio Plot(5MHz BW,16QAM,Band 5-mid Channel)



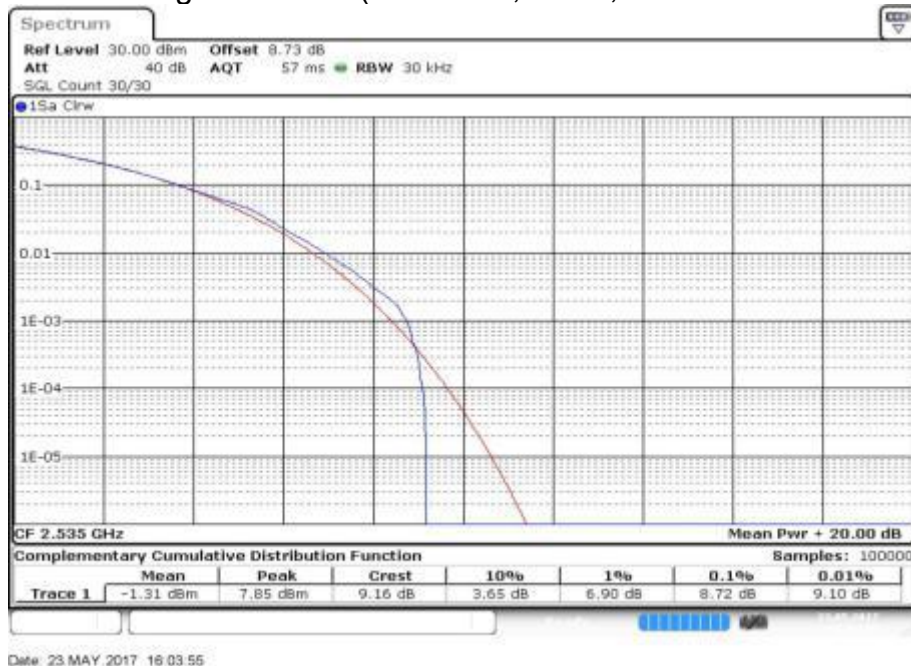
Peak-Average Ratio Plot(10MHz BW,QPSK,Band 5-mid Channel)



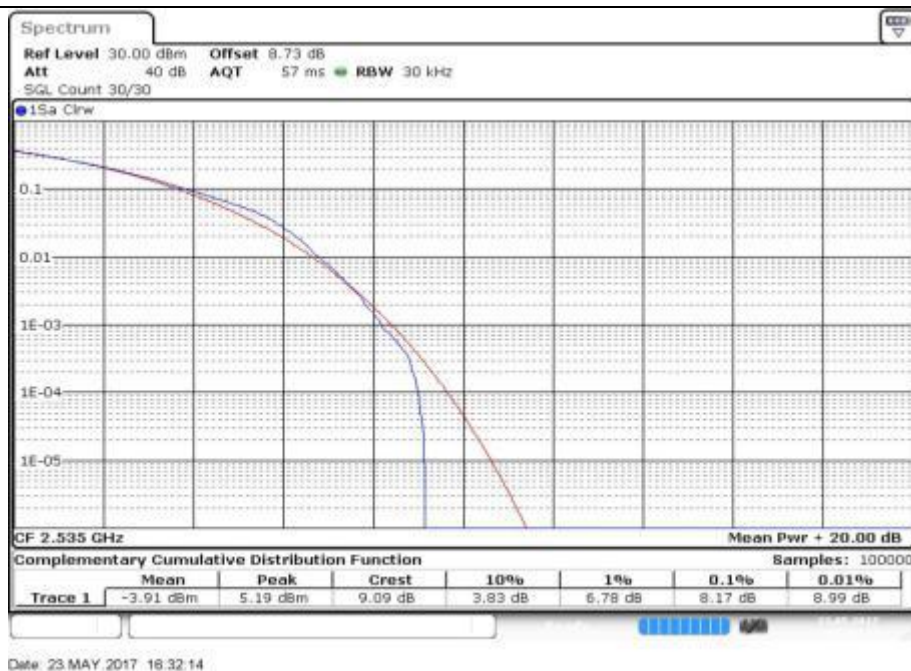
Peak-Average Ratio Plot(10MHz BW,16QAM,Band 5-mid Channel)



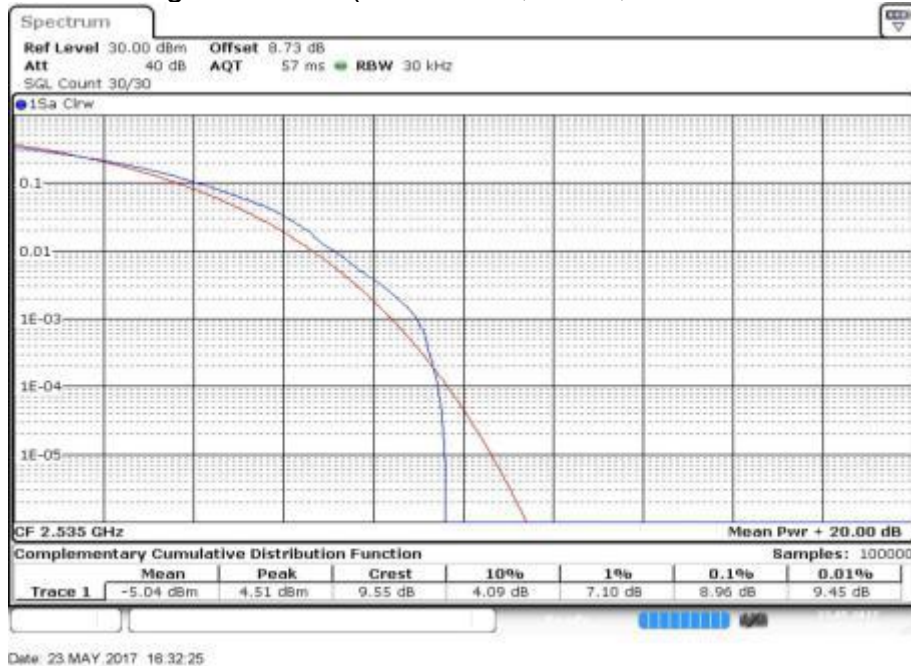
Peak-Average Ratio Plot(5MHz BW,QPSK,Band 7-mid Channel)



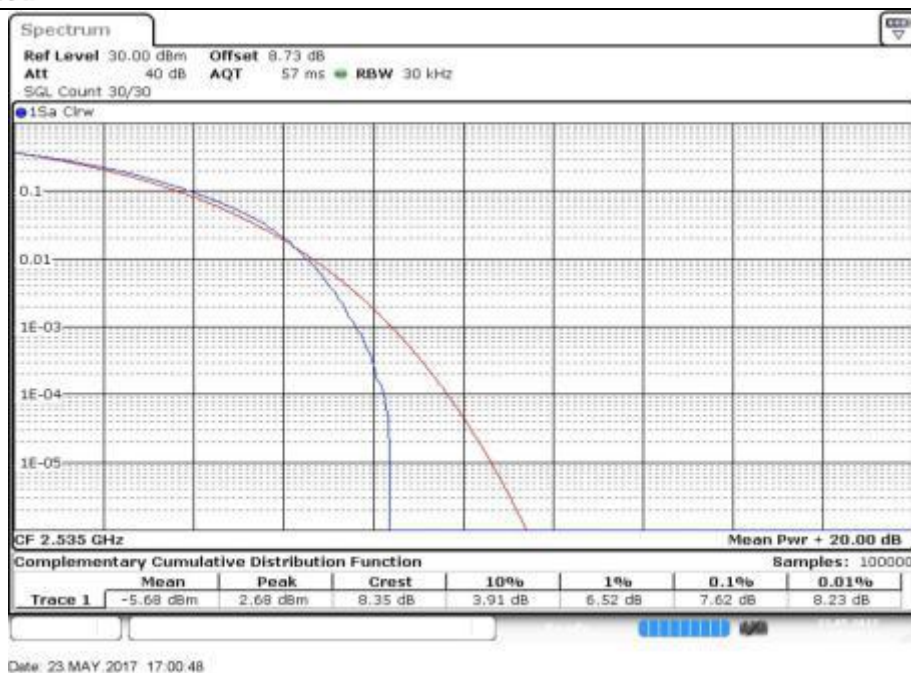
Peak-Average Ratio Plot(5MHz BW,16QAM,Band 7-mid Channel)



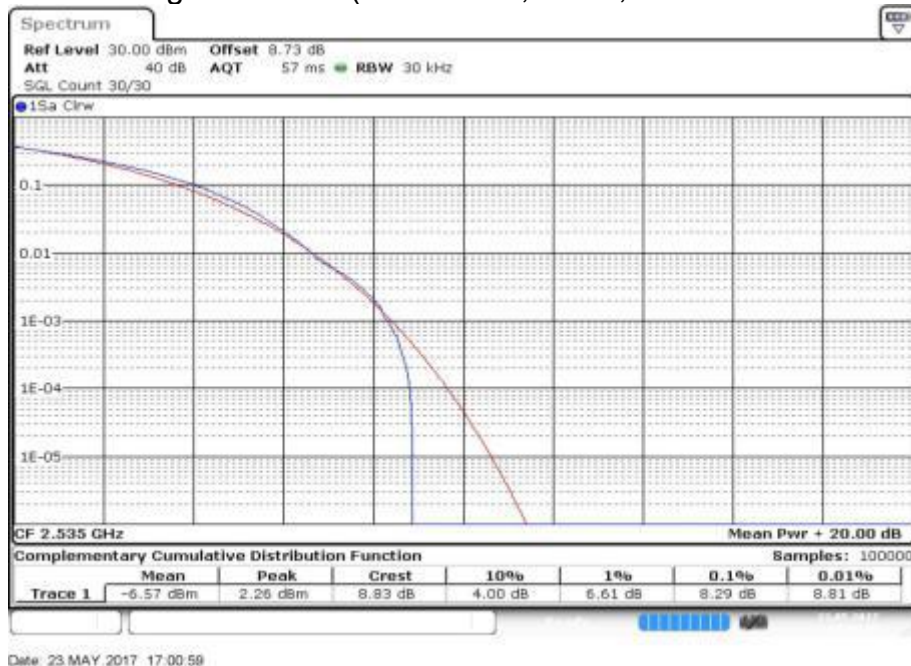
Peak-Average Ratio Plot(10MHz BW,QPSK,Band 7-mid Channel)



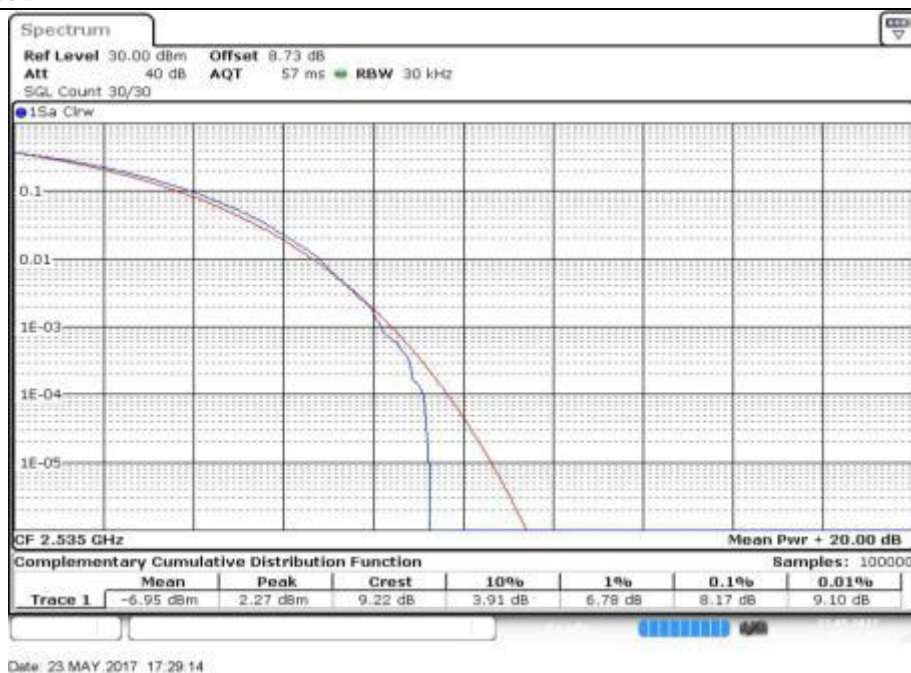
Peak-Average Ratio Plot(10MHz BW,16QAM,Band 7-mid Channel)



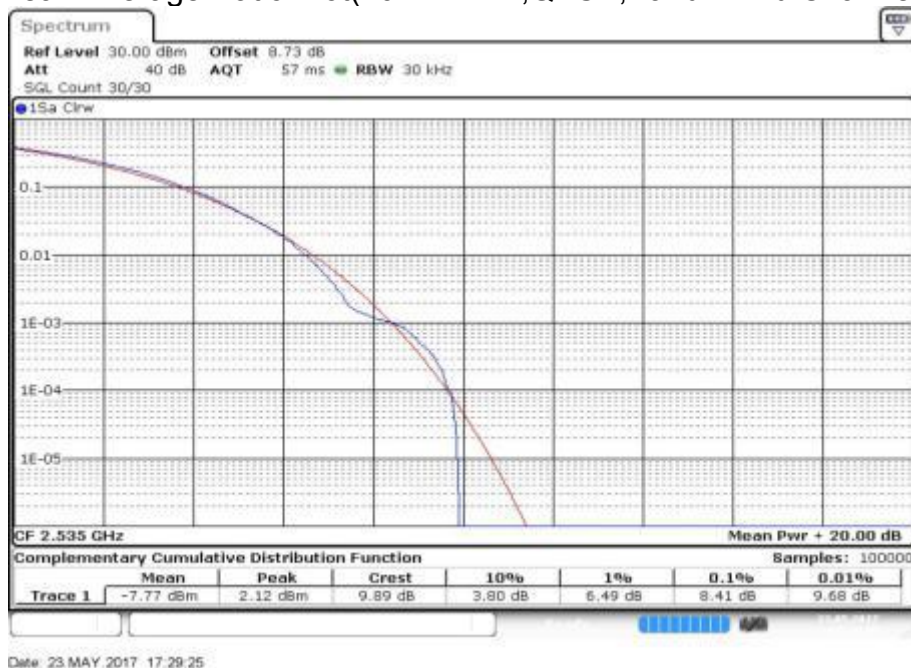
Peak-Average Ratio Plot(15MHz BW,QPSK,Band 7-mid Channel)



Peak-Average Ratio Plot(15MHz BW,16QAM,Band 7-mid Channel)



Peak-Average Ratio Plot(20MHz BW,QPSK,Band 7-mid Channel)



Peak-Average Ratio Plot(20MHz BW,16QAM,Band 7-mid Channel)

## 5 Spurious Emissions at antenna terminal-FCC Part 2.1051/27.53(h)/22.53(m)

### Test result

| Band | Carrier frequency (MHz) | Channel (Low) | BW  | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|---------------|-----|---------|-----------|-------------------------|--------|
|      |                         |               |     |         |           | QPSK                    | 16-QAM |
| 2    | 1850.7                  | 18607         | 1.4 | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |               |     | 1       | 5         | Fig.2                   | Fig.6  |

|  |  |  |  |   |   |       |       |
|--|--|--|--|---|---|-------|-------|
|  |  |  |  | 3 | 2 | Fig.3 | Fig.7 |
|  |  |  |  | 6 | 0 | Fig.4 | Fig.8 |

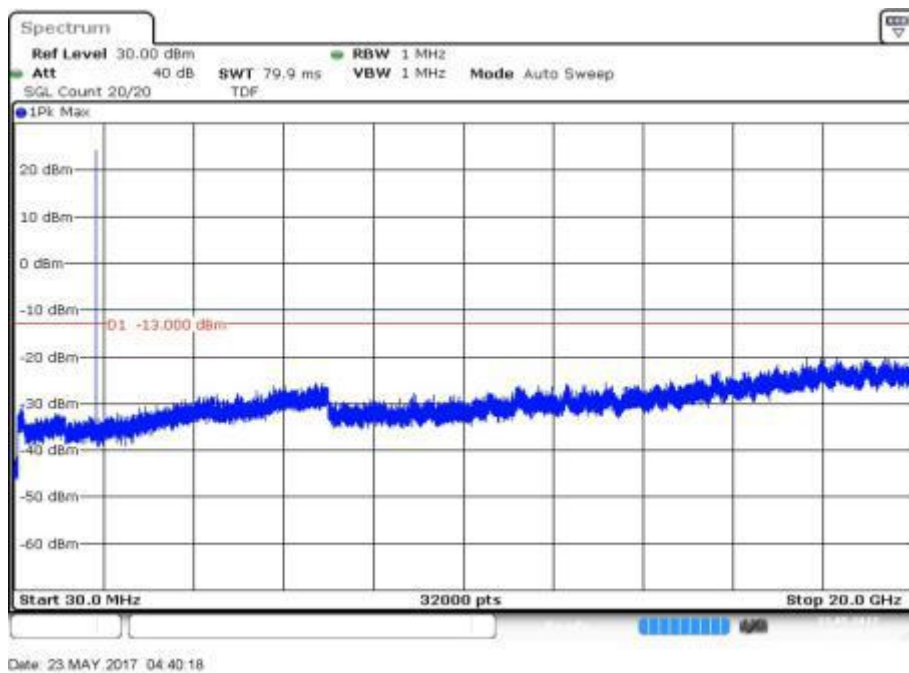


Fig.1

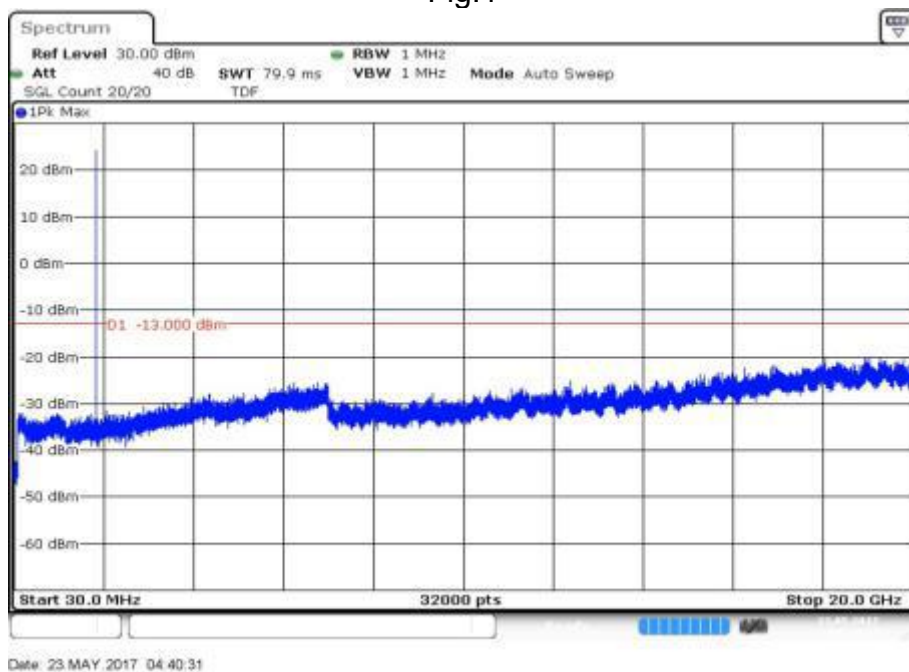


Fig.2

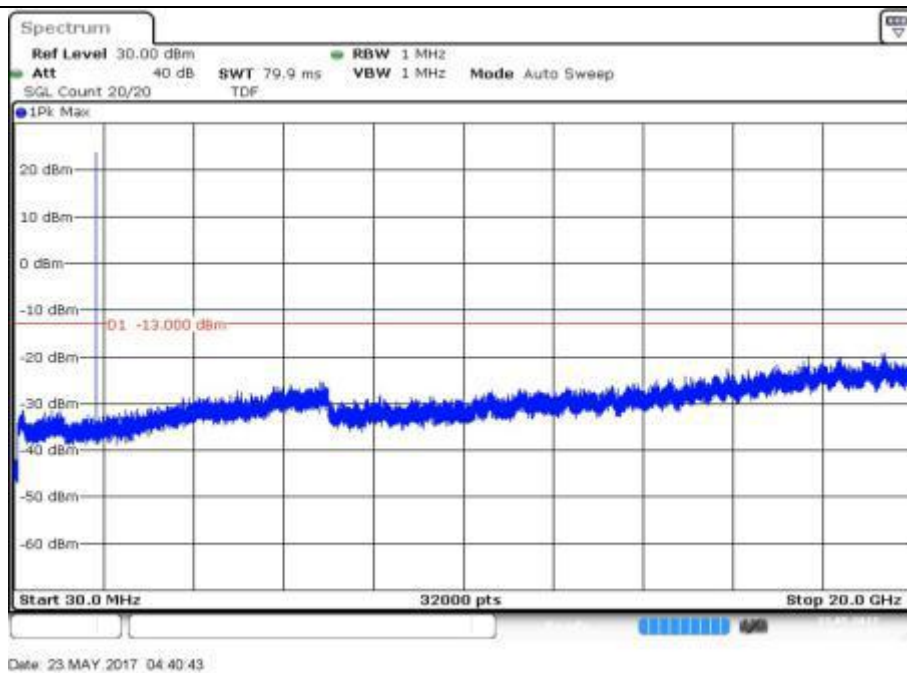


Fig.3

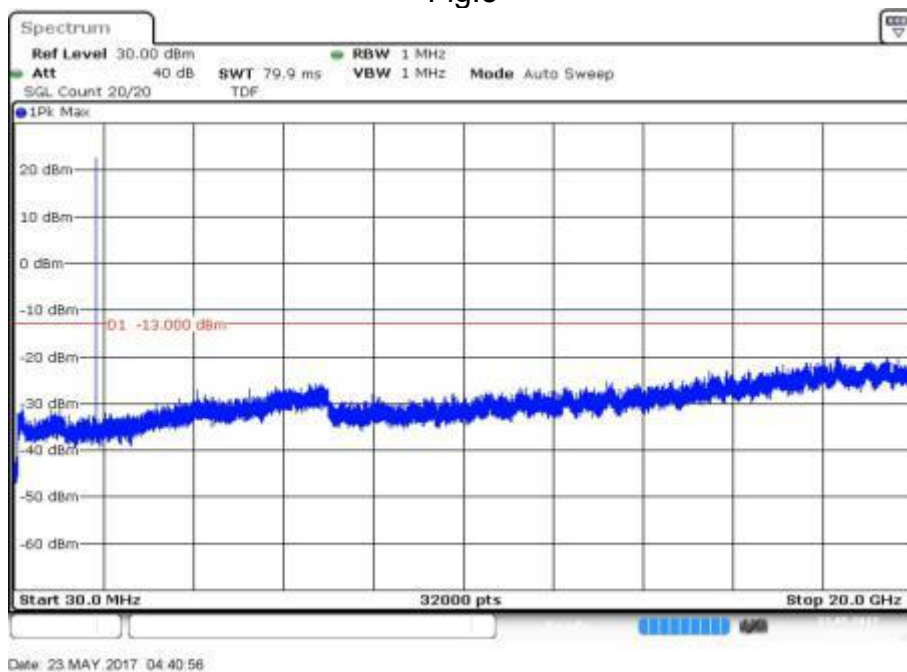


Fig.4

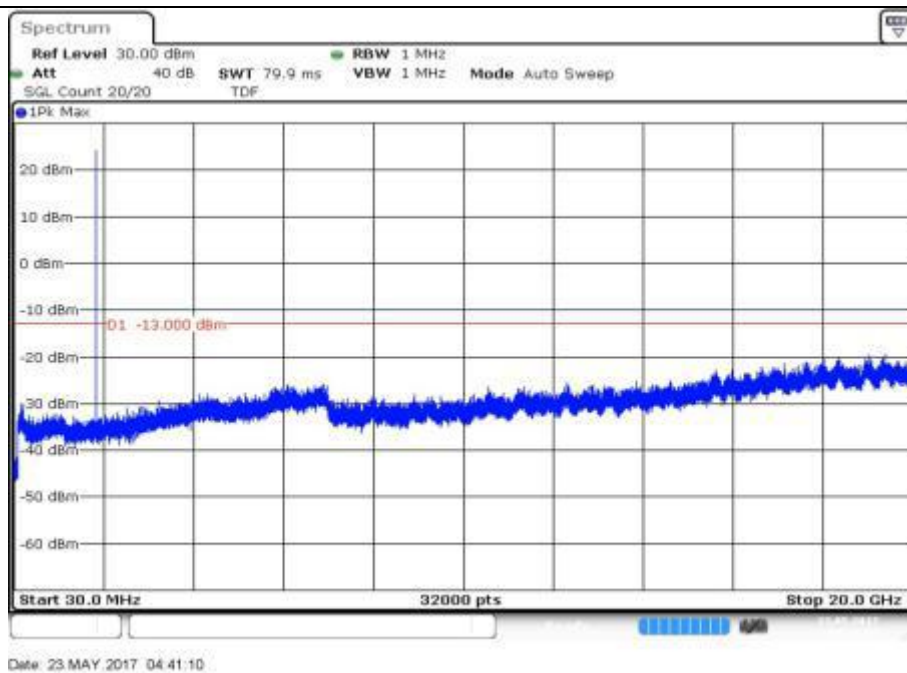


Fig.5

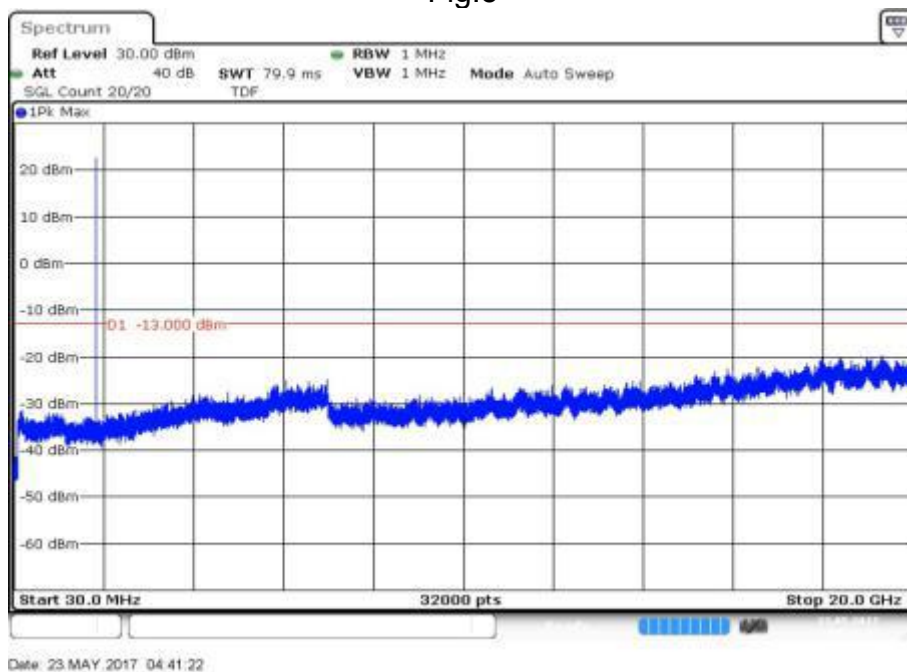


Fig.6

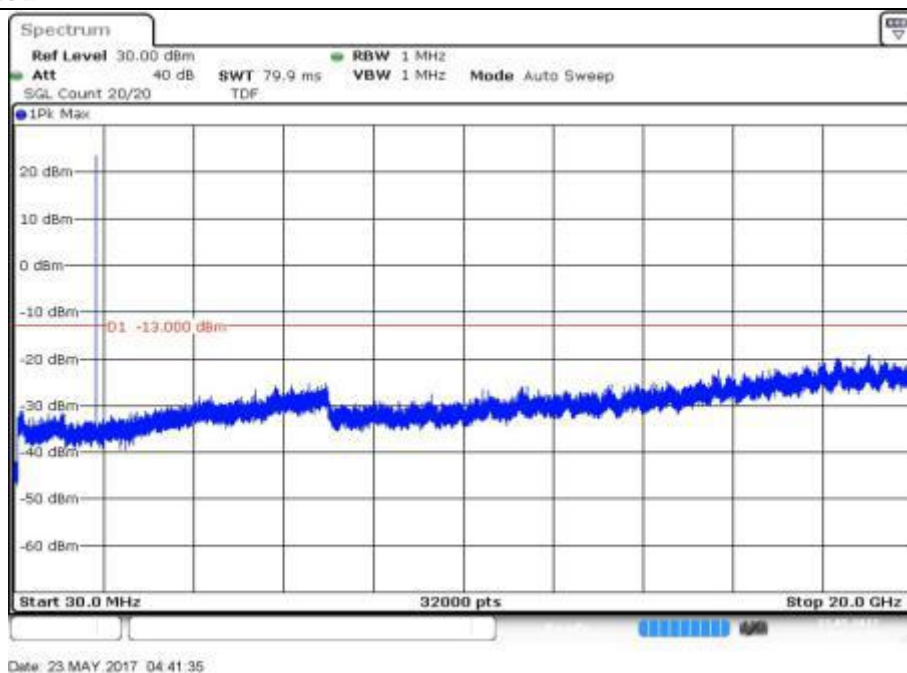


Fig.7

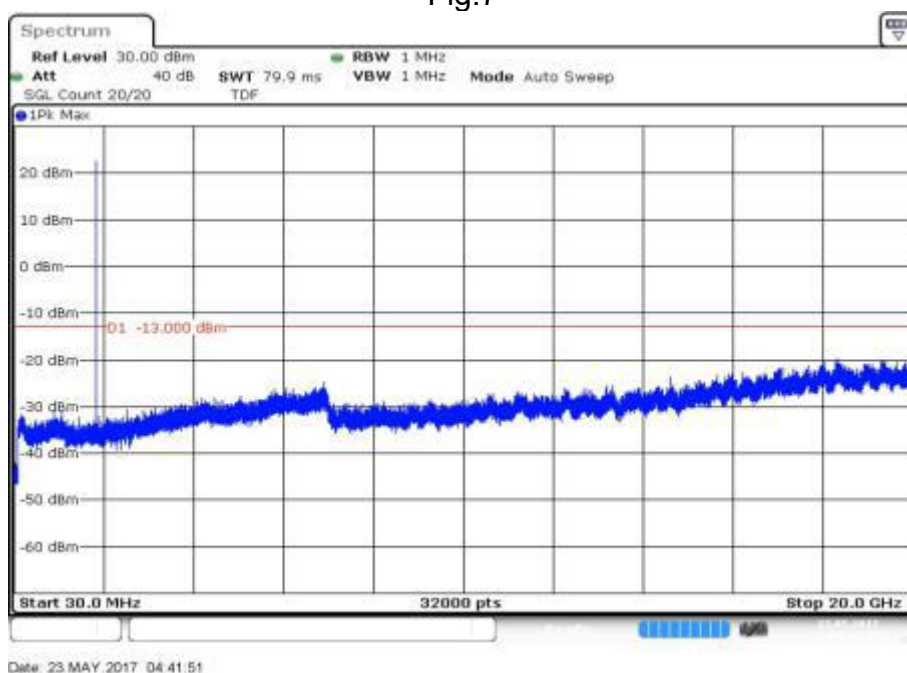


Fig.8

| Band | Carrier frequency (MHz) | Channel (Mid) | BW  | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|---------------|-----|---------|-----------|-------------------------|--------|
|      |                         |               |     |         |           | QPSK                    | 16-QAM |
| 2    | 1880                    | 18900         | 1.4 | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |               |     | 1       | 5         | Fig.2                   | Fig.6  |
|      |                         |               |     | 3       | 2         | Fig.3                   | Fig.7  |
|      |                         |               |     | 6       | 0         | Fig.4                   | Fig.8  |

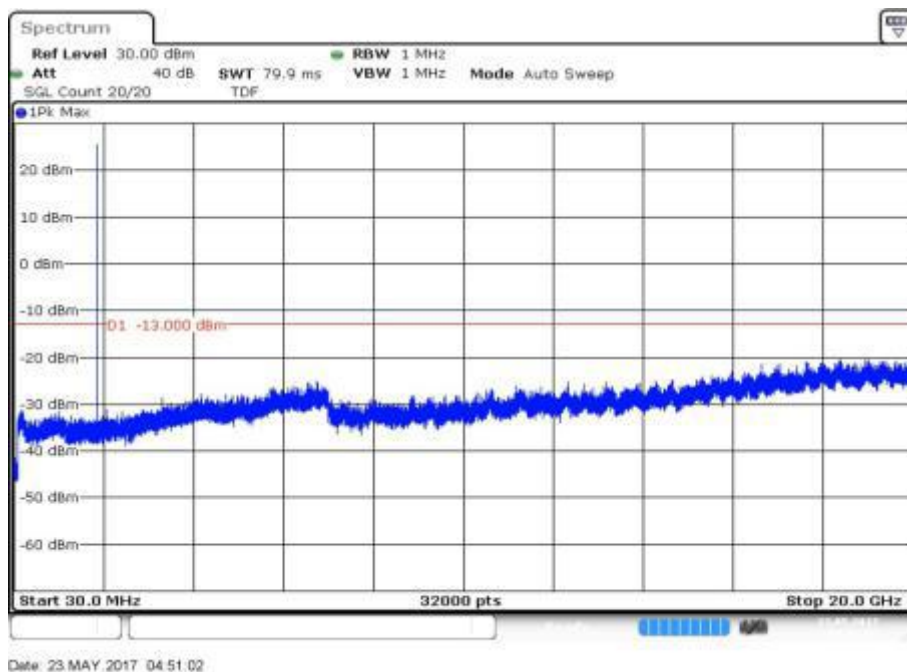


Fig.1

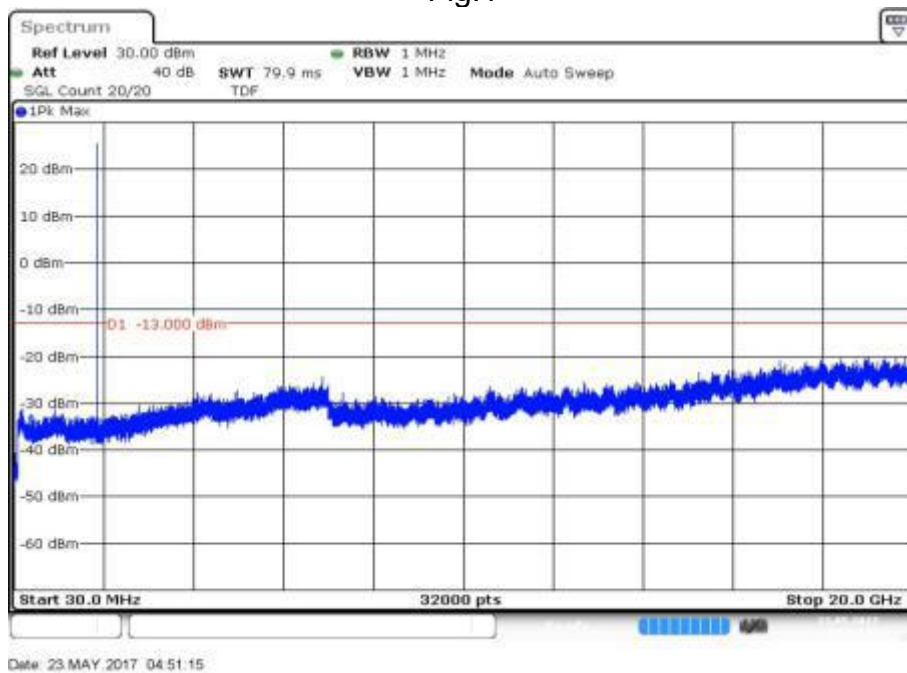


Fig.2

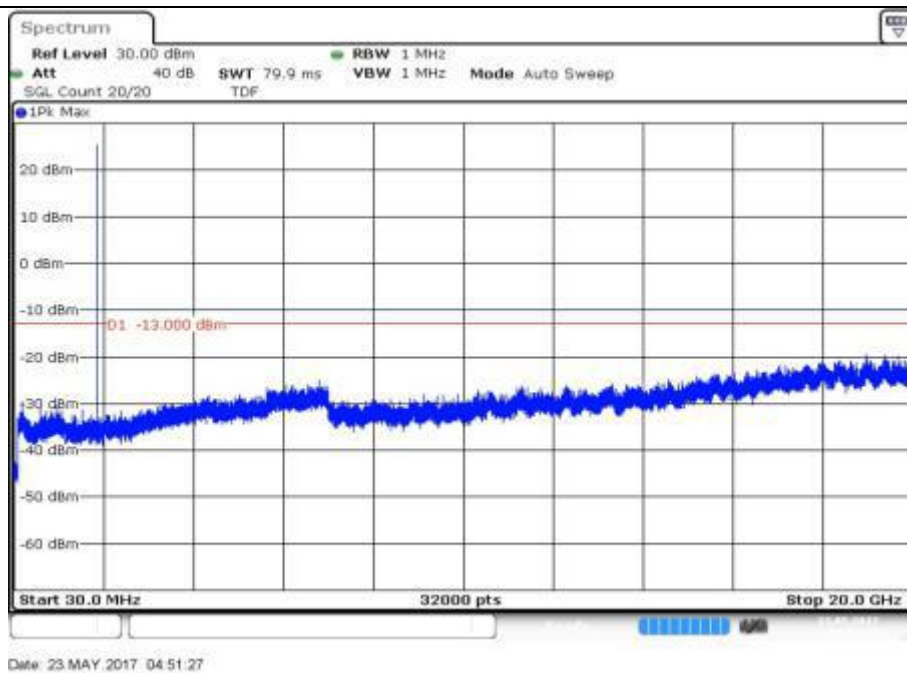


Fig.3

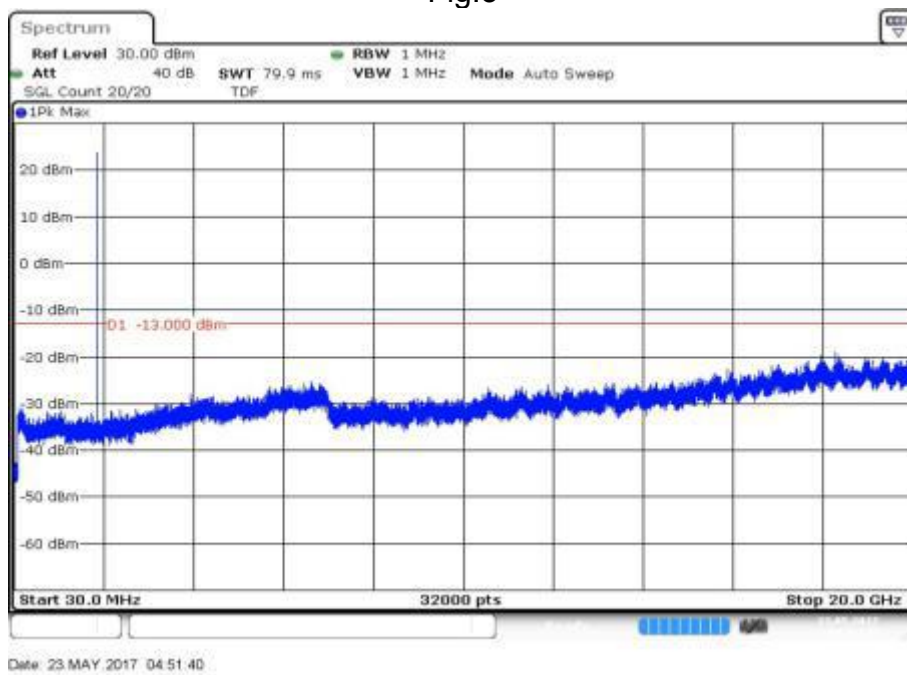


Fig.4

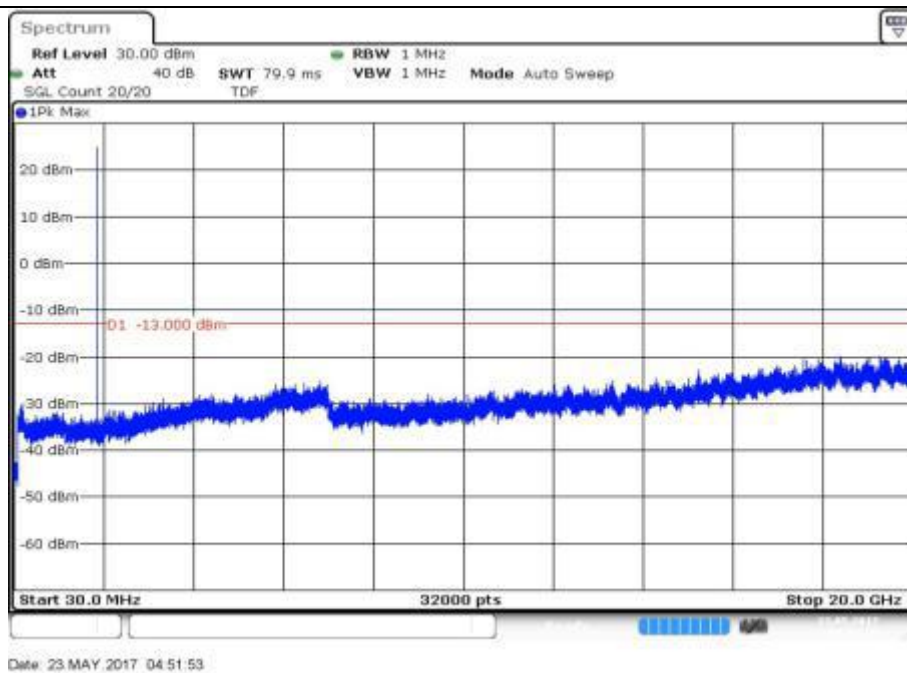


Fig.5

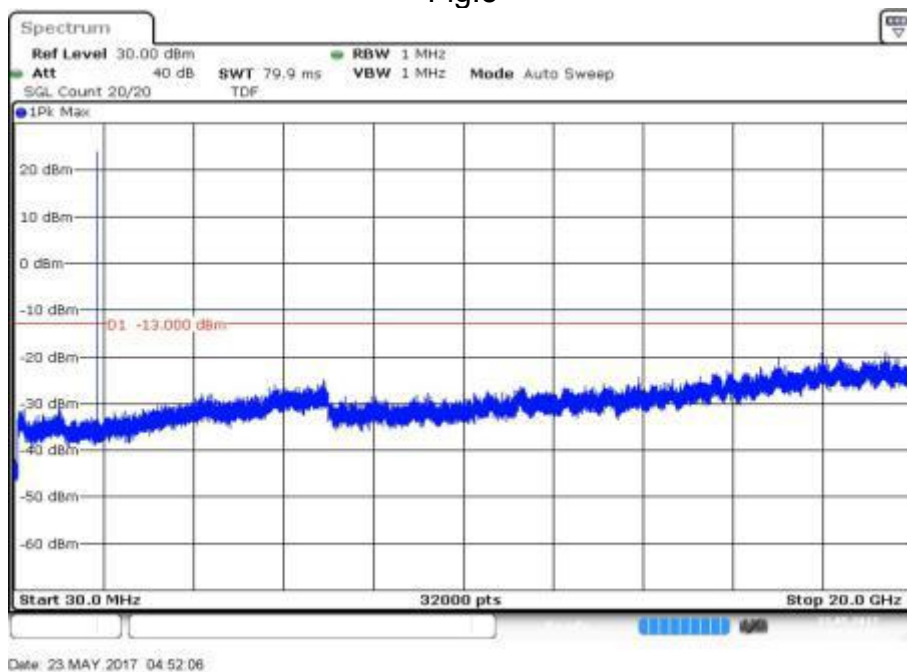


Fig.6

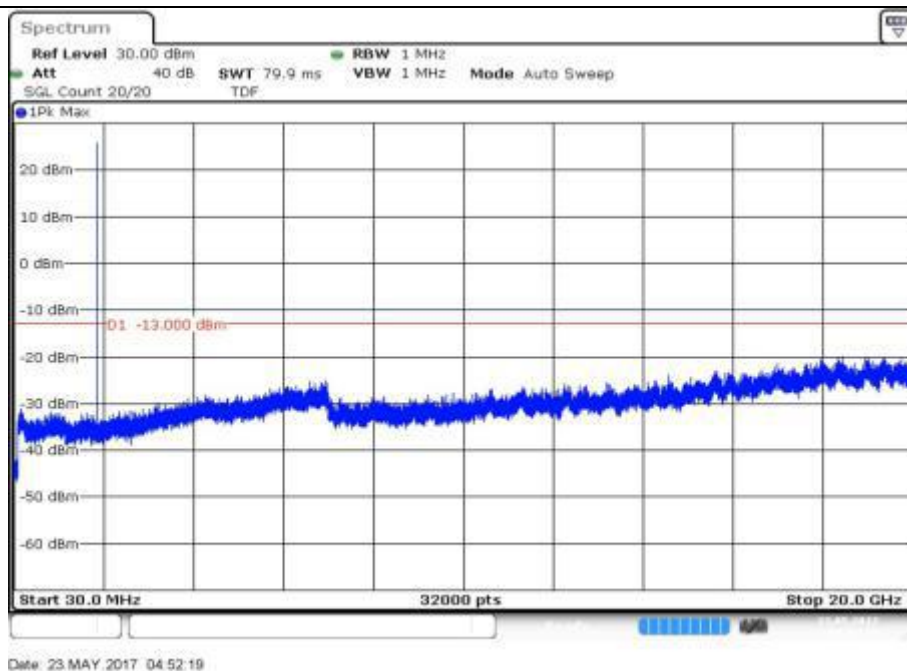


Fig.7

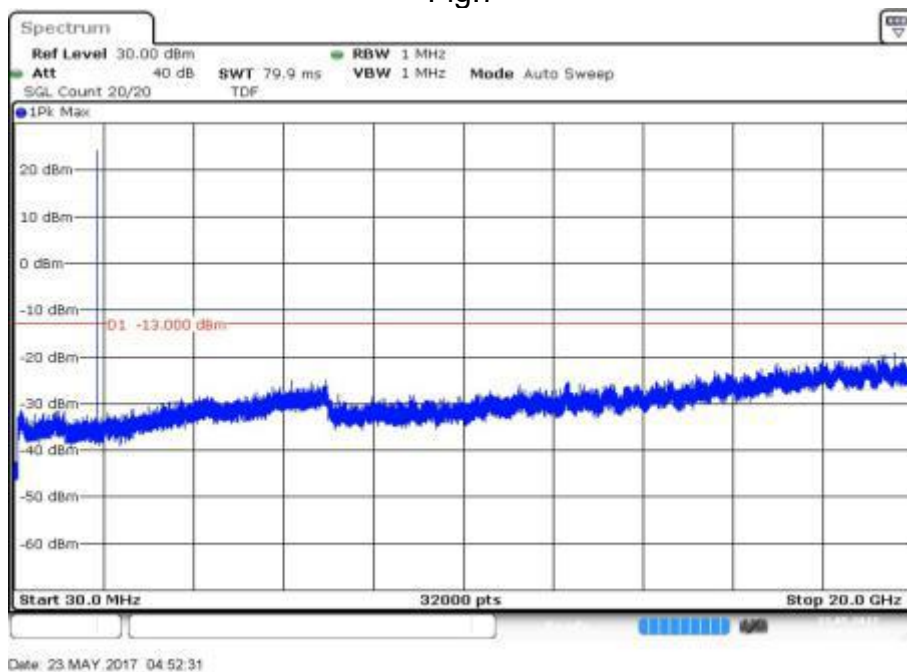


Fig.8

| Band | Carrier frequency (MHz) | Channel (High) | BW  | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|----------------|-----|---------|-----------|-------------------------|--------|
|      |                         |                |     |         |           | QPSK                    | 16-QAM |
| 2    | 1909.3                  | 19193          | 1.4 | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |                |     | 1       | 5         | Fig.2                   | Fig.6  |
|      |                         |                |     | 3       | 2         | Fig.3                   | Fig.7  |
|      |                         |                |     | 6       | 0         | Fig.4                   | Fig.8  |

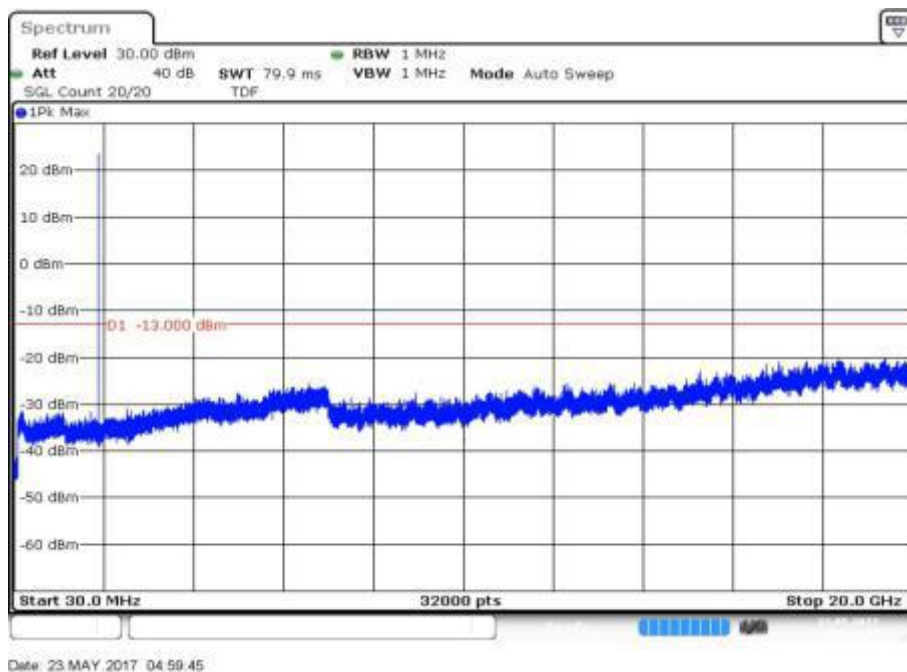


Fig.1

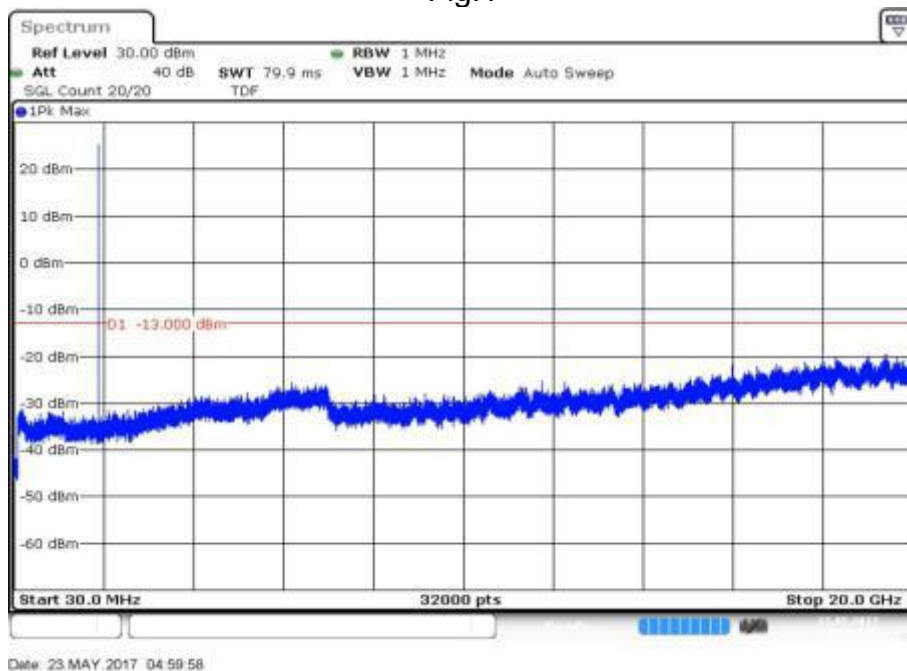


Fig.2

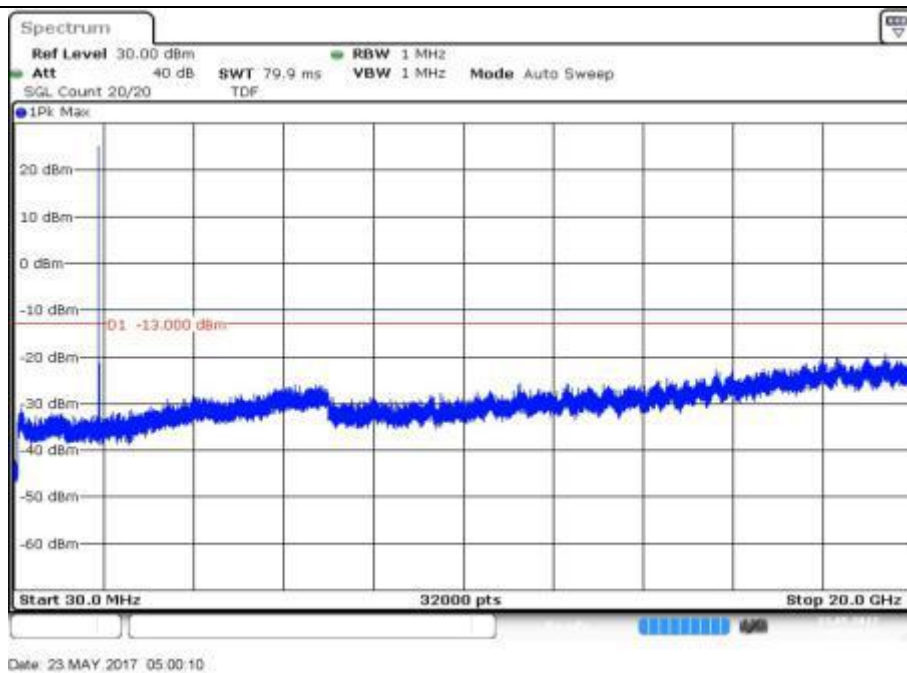


Fig.3

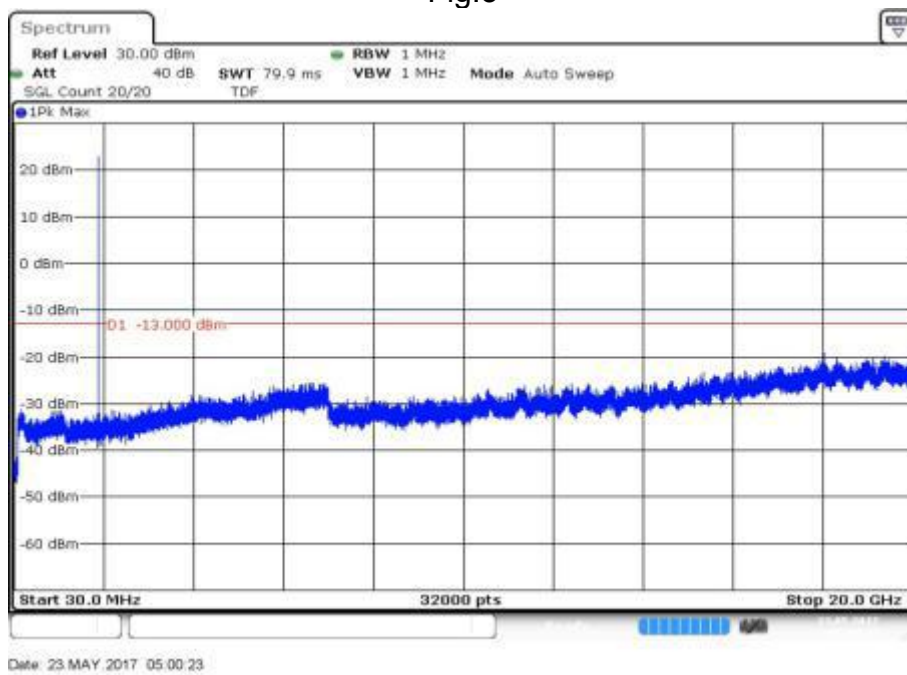


Fig.4

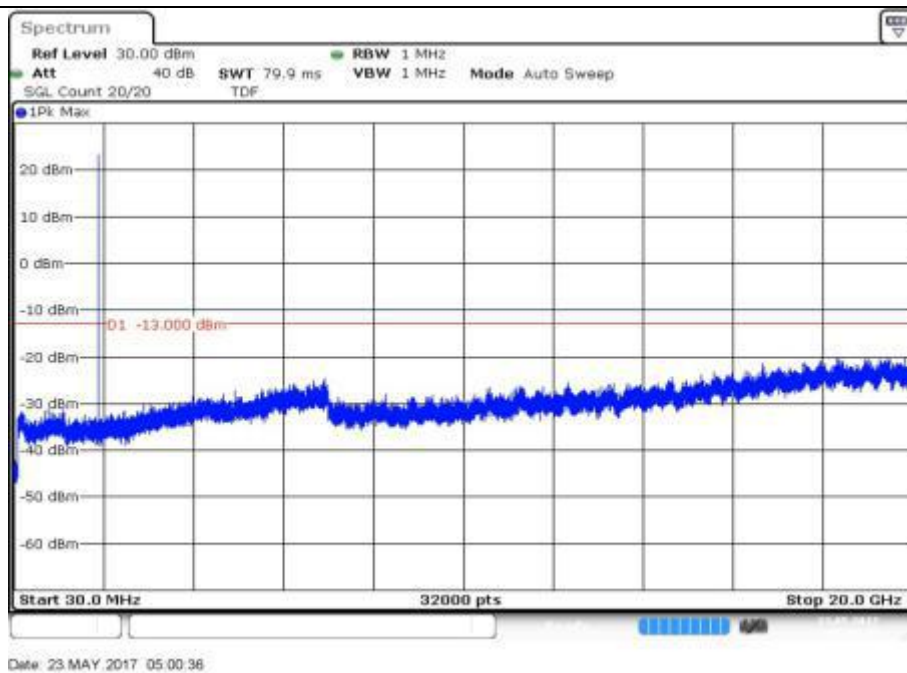


Fig.5

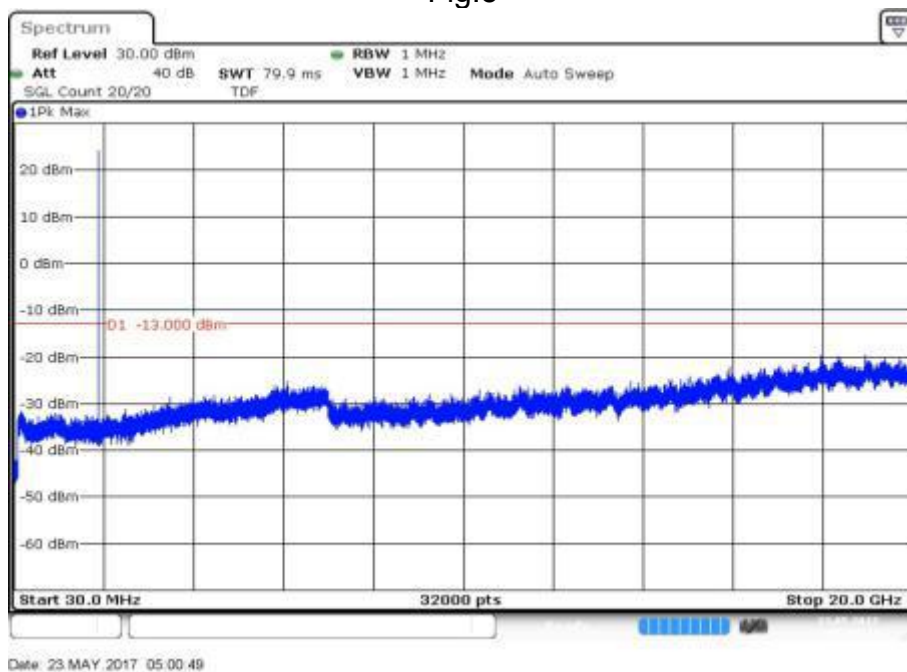


Fig.6

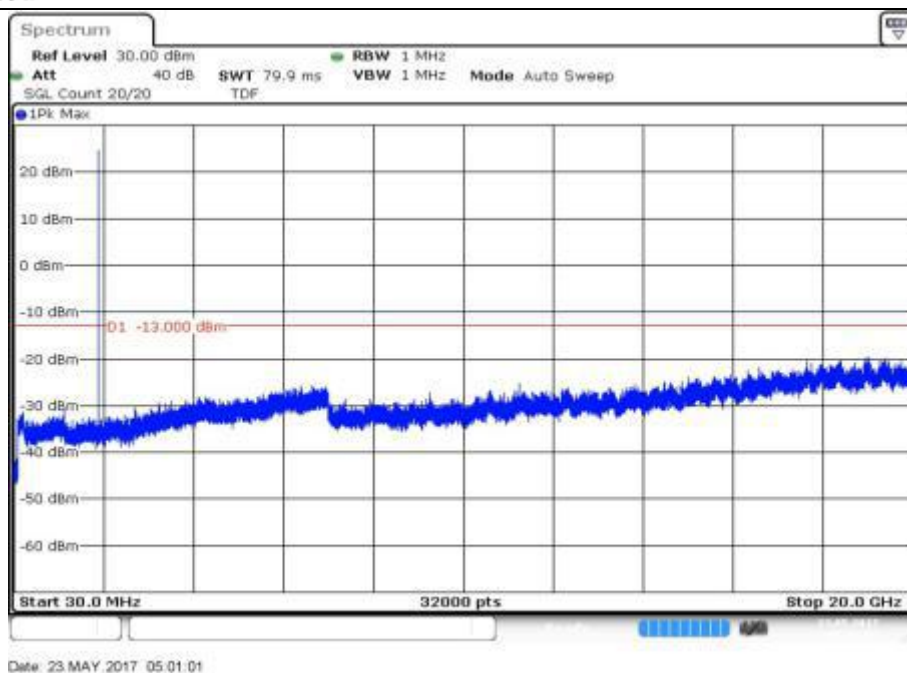


Fig.7

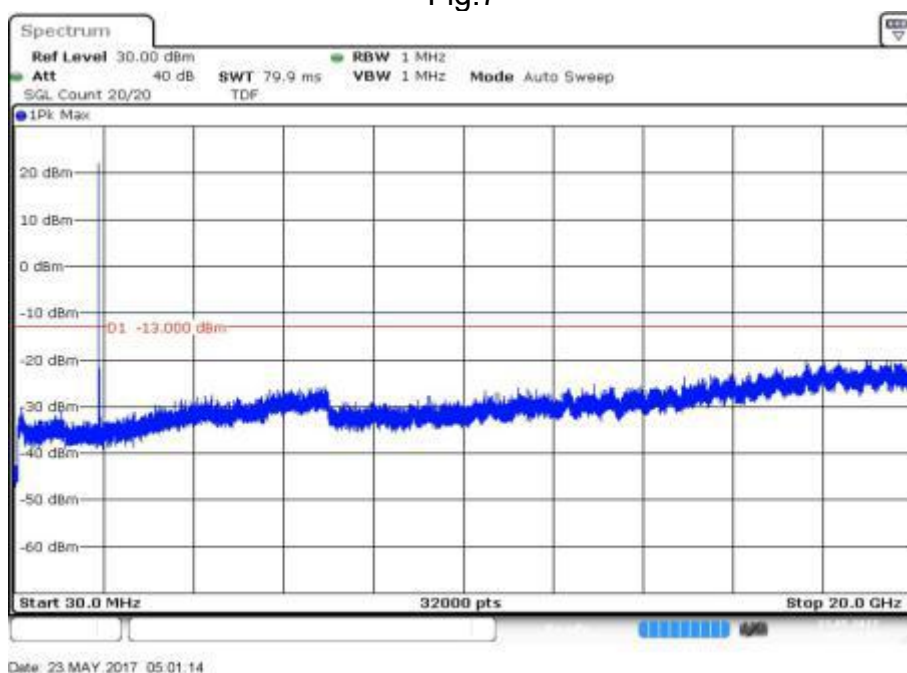


Fig.8

| Band | Carrier frequency (MHz) | Channel (Low) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|---------------|----|---------|-----------|-------------------------|--------|
|      |                         |               |    |         |           | QPSK                    | 16-QAM |
| 2    | 1851.5                  | 18615         | 3  | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |               |    | 1       | 14        | Fig.2                   | Fig.6  |
|      |                         |               |    | 8       | 4         | Fig.3                   | Fig.7  |
|      |                         |               |    | 15      | 0         | Fig.4                   | Fig.8  |

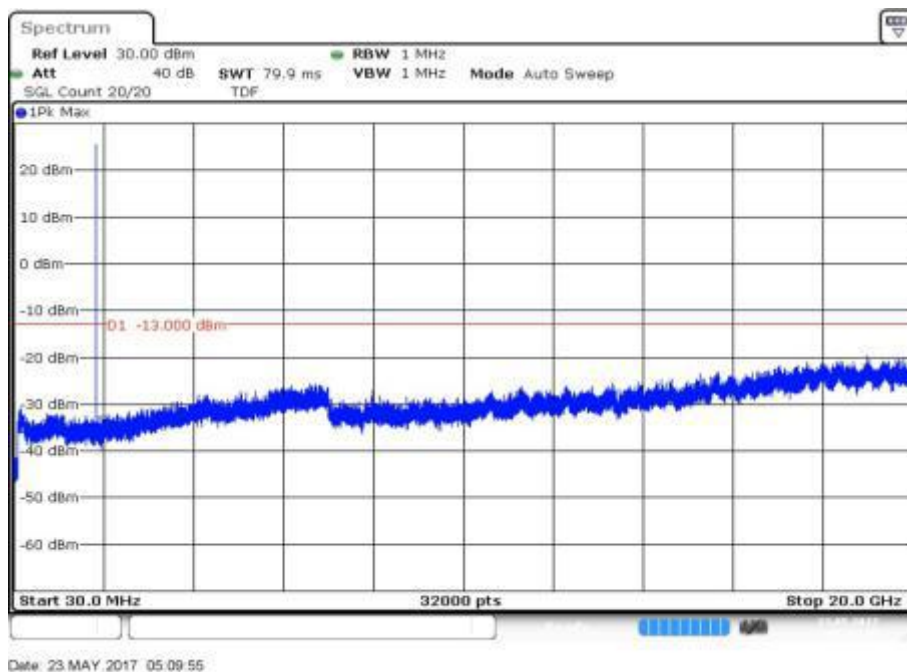


Fig.1

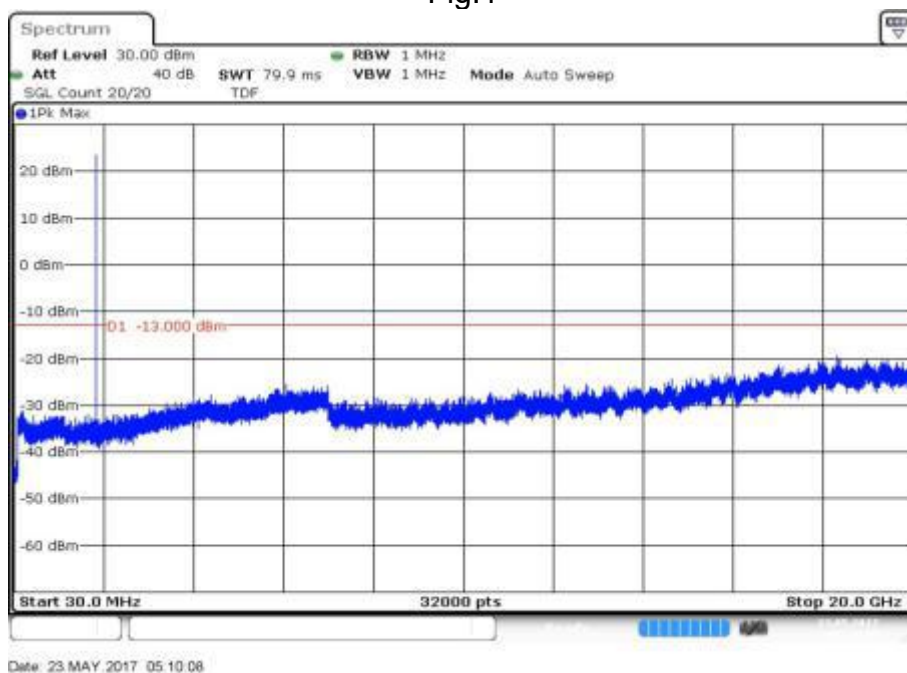


Fig.2

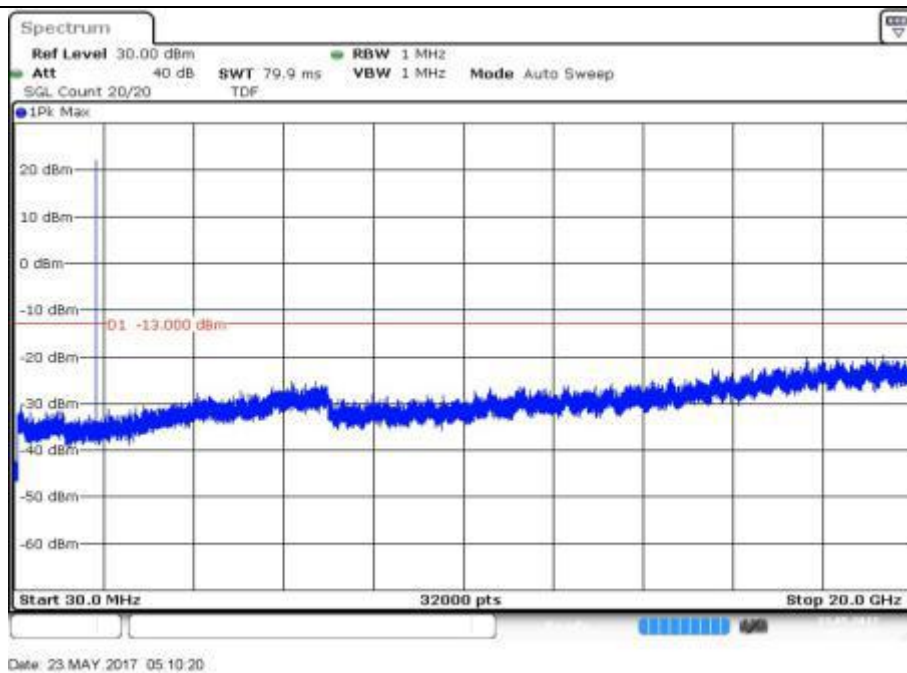


Fig.3

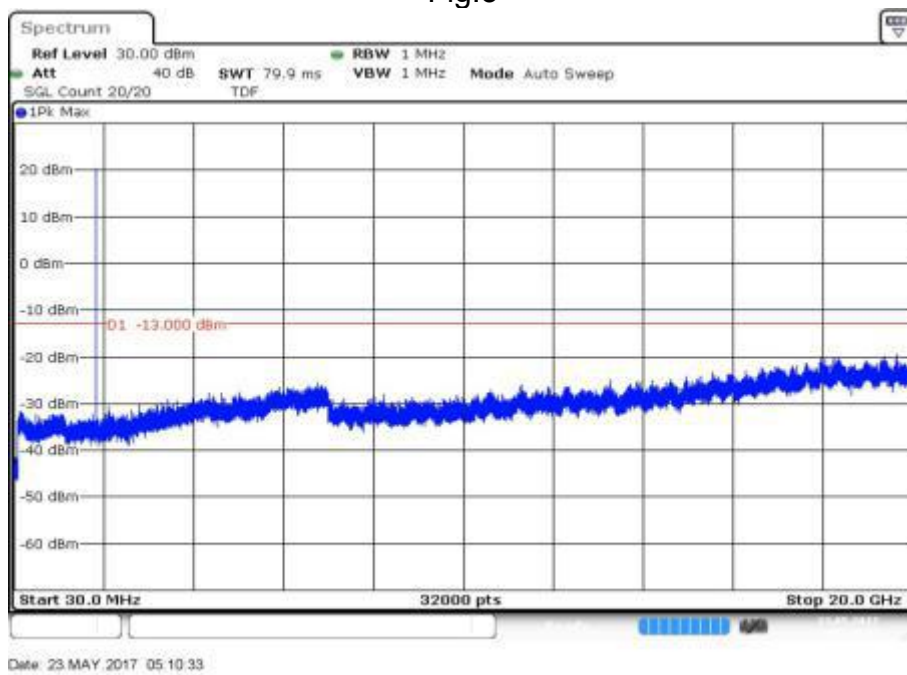


Fig.4

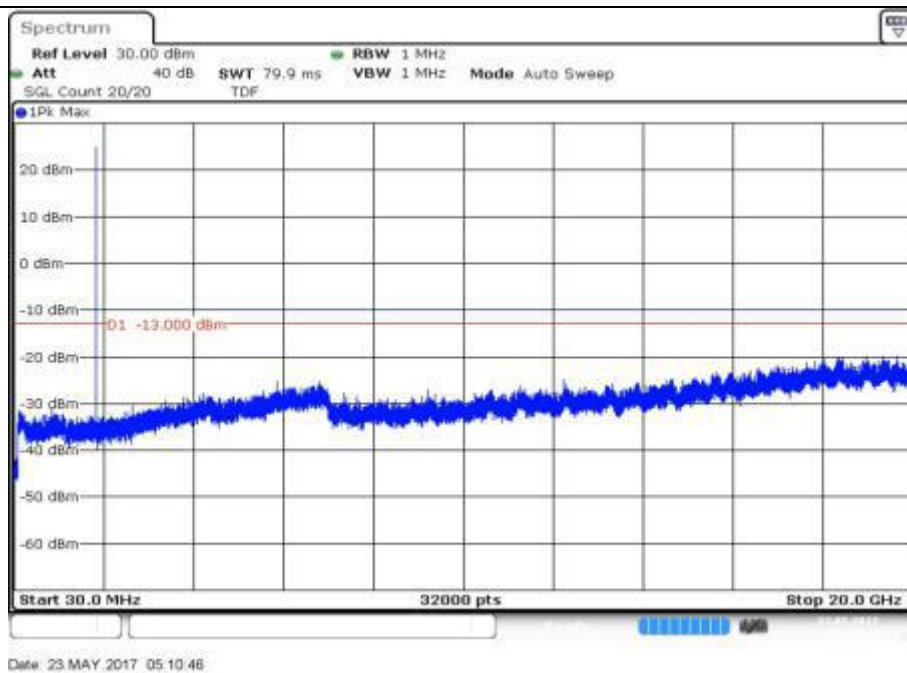


Fig.5

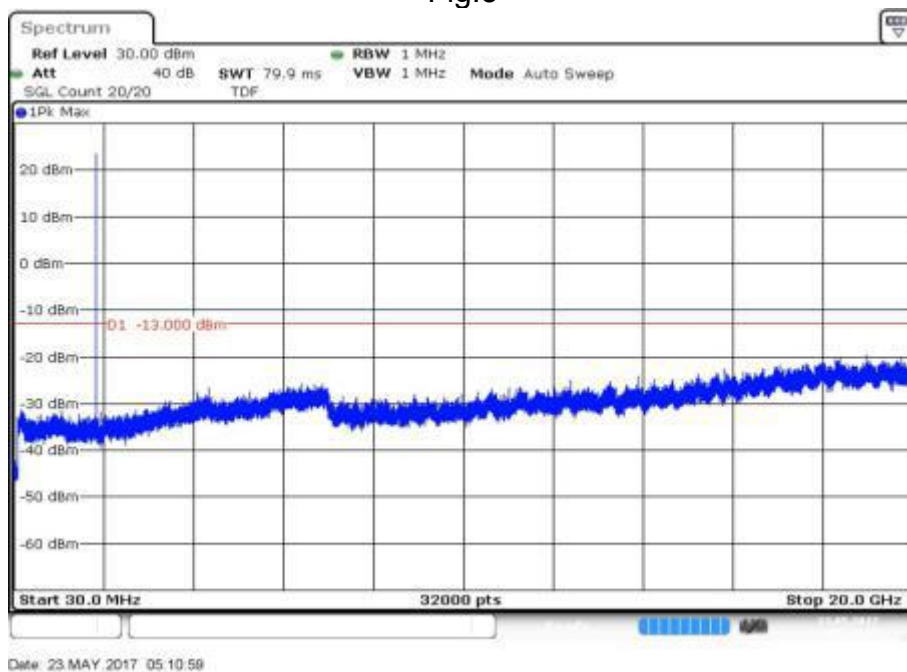


Fig.6

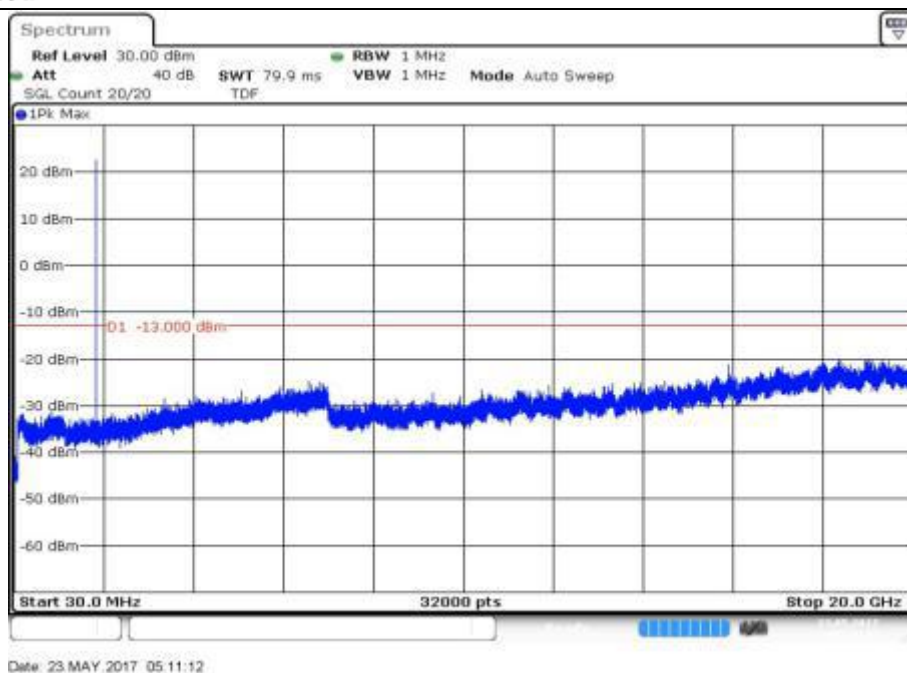


Fig.7

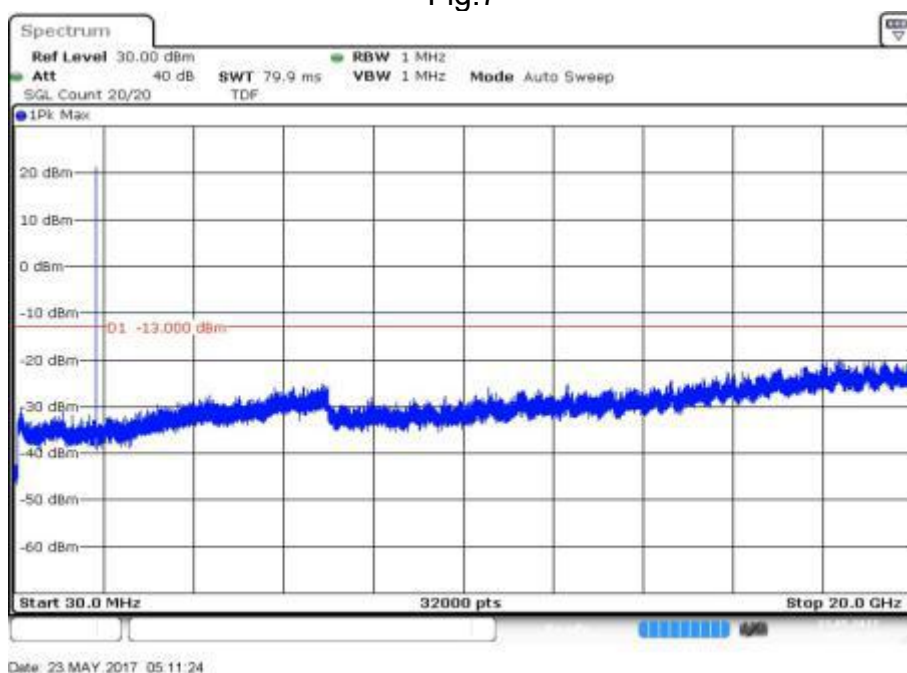


Fig.8

| Band | Carrier frequency (MHz) | Channel (Mid) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|---------------|----|---------|-----------|-------------------------|--------|
|      |                         |               |    |         |           | QPSK                    | 16-QAM |
| 2    | 1880                    | 18900         | 3  | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |               |    | 1       | 14        | Fig.2                   | Fig.6  |
|      |                         |               |    | 8       | 4         | Fig.3                   | Fig.7  |
|      |                         |               |    | 15      | 0         | Fig.4                   | Fig.8  |

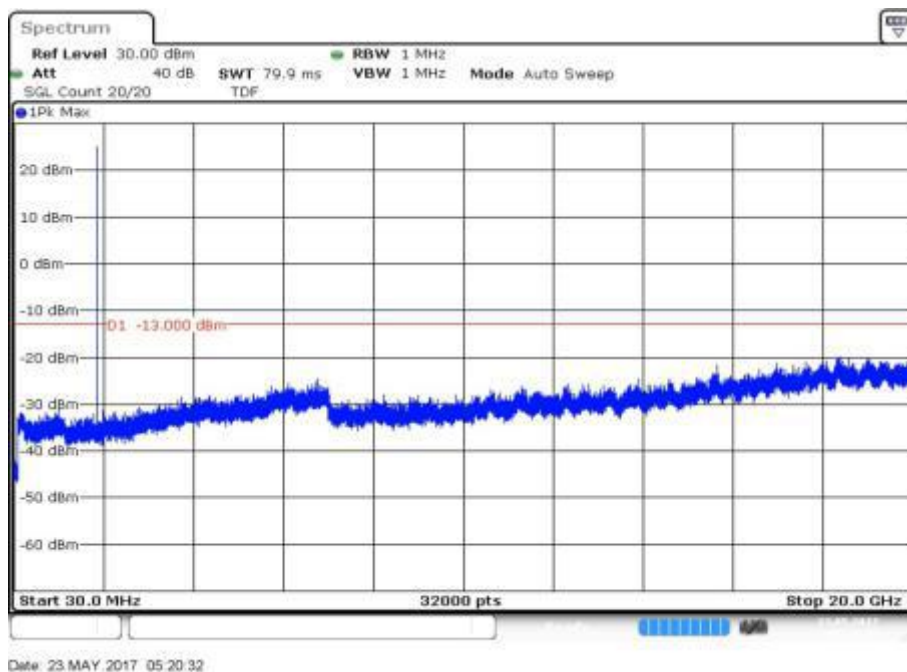


Fig.1

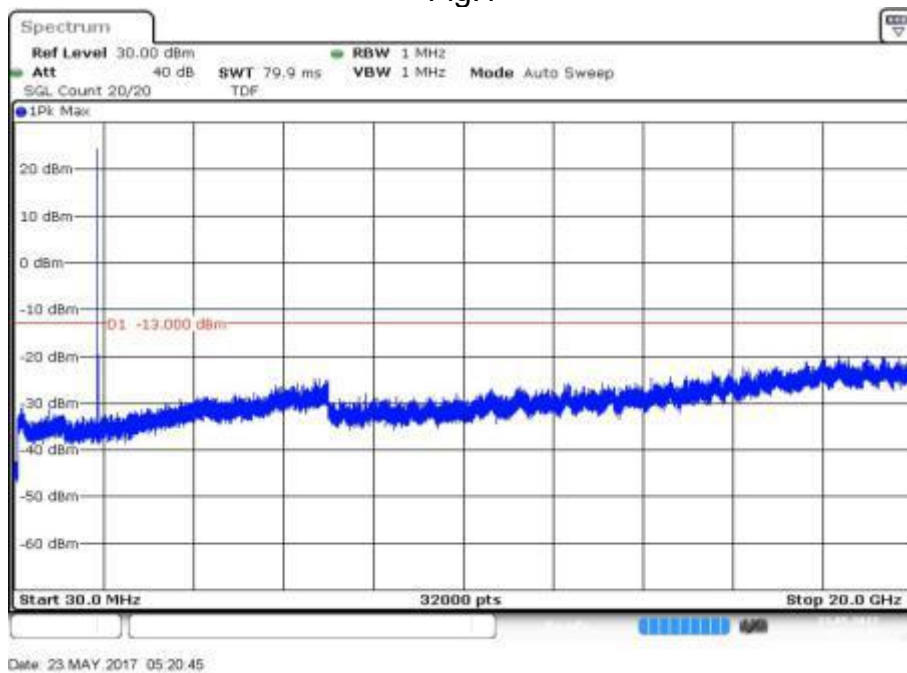


Fig.2

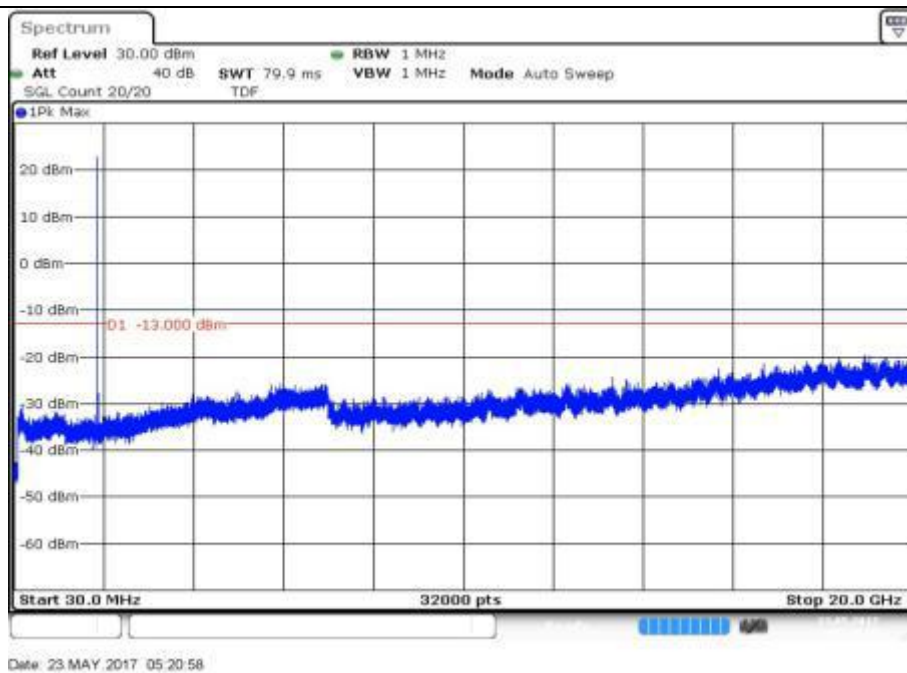


Fig.3

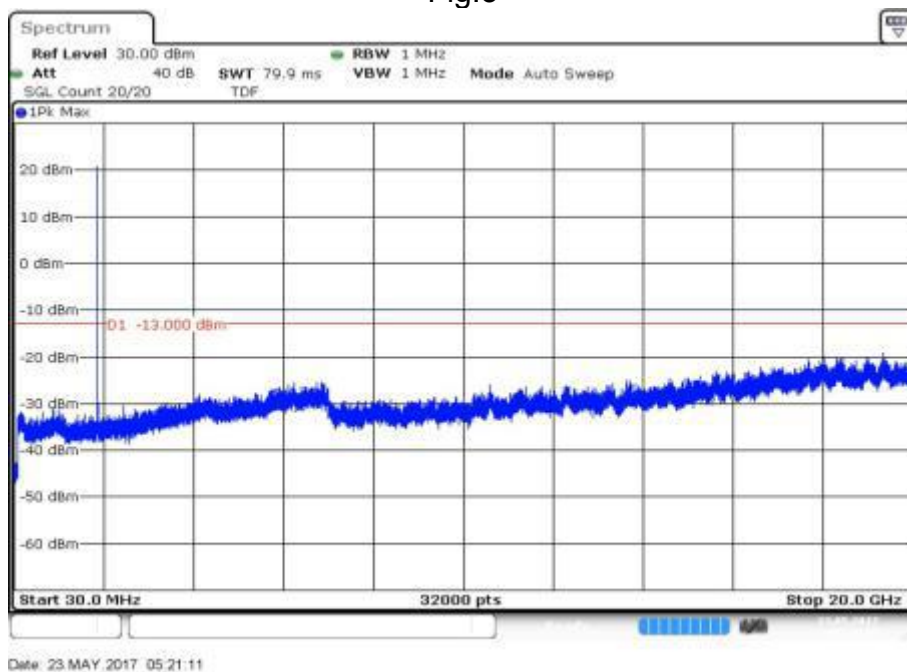


Fig.4

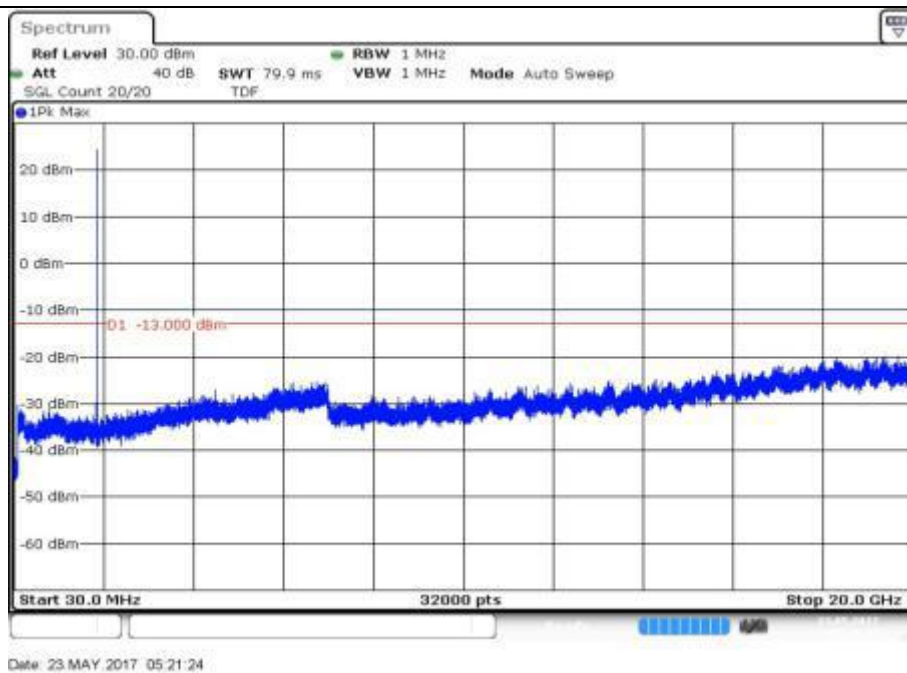


Fig.5

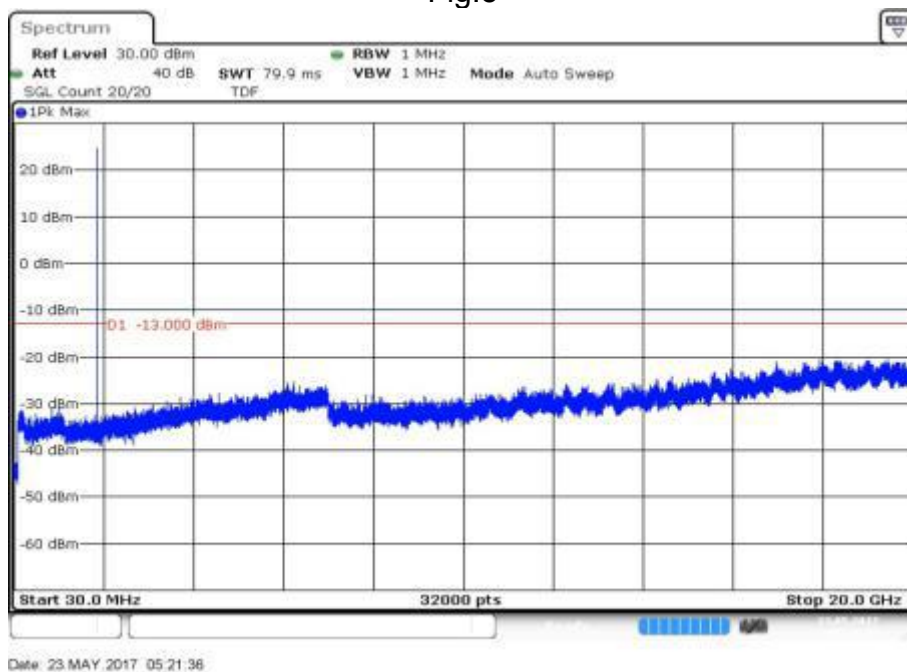


Fig.6

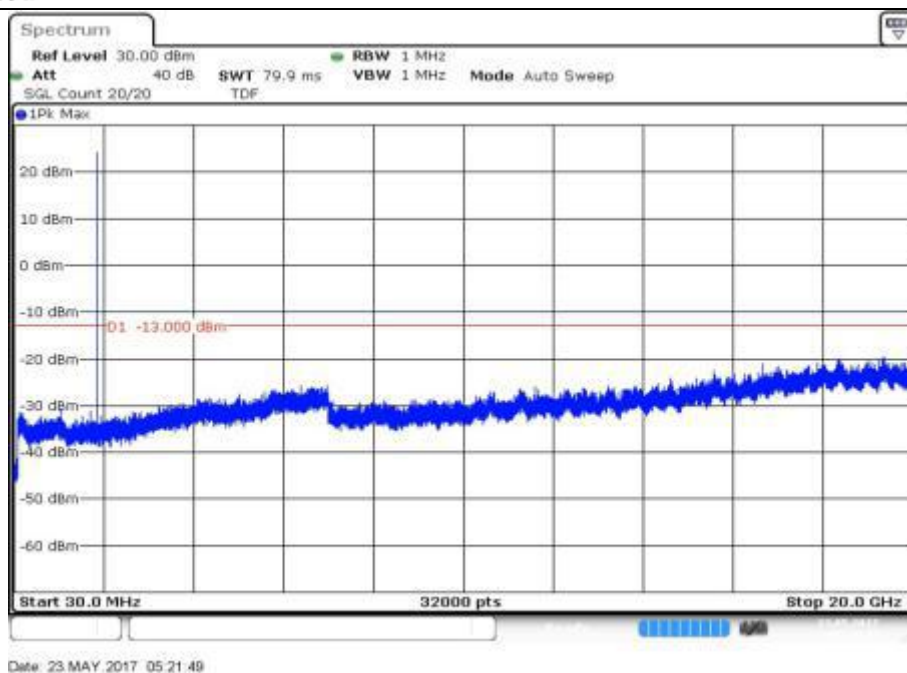


Fig.7

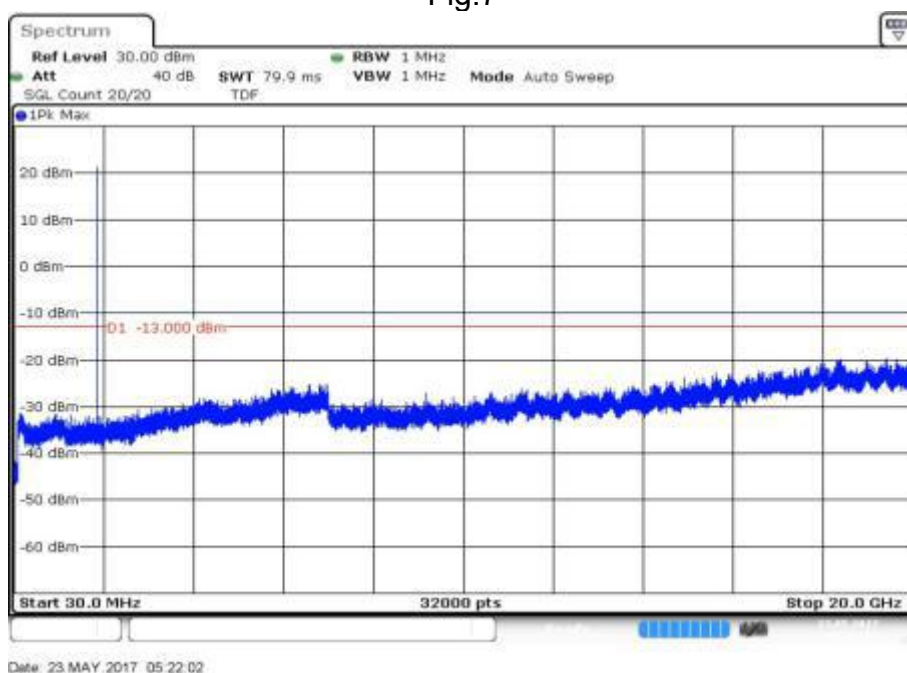


Fig.8

| Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|----------------|----|---------|-----------|-------------------------|--------|
|      |                         |                |    |         |           | QPSK                    | 16-QAM |
| 2    | 1908.5                  | 19185          | 3  | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |                |    | 1       | 14        | Fig.2                   | Fig.6  |
|      |                         |                |    | 8       | 4         | Fig.3                   | Fig.7  |
|      |                         |                |    | 15      | 0         | Fig.4                   | Fig.8  |

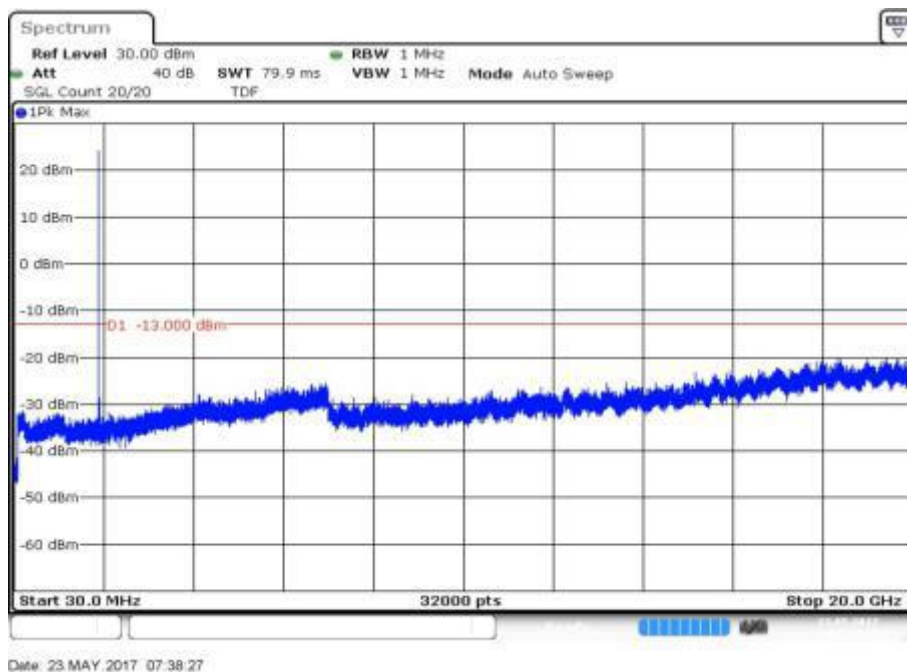


Fig.1

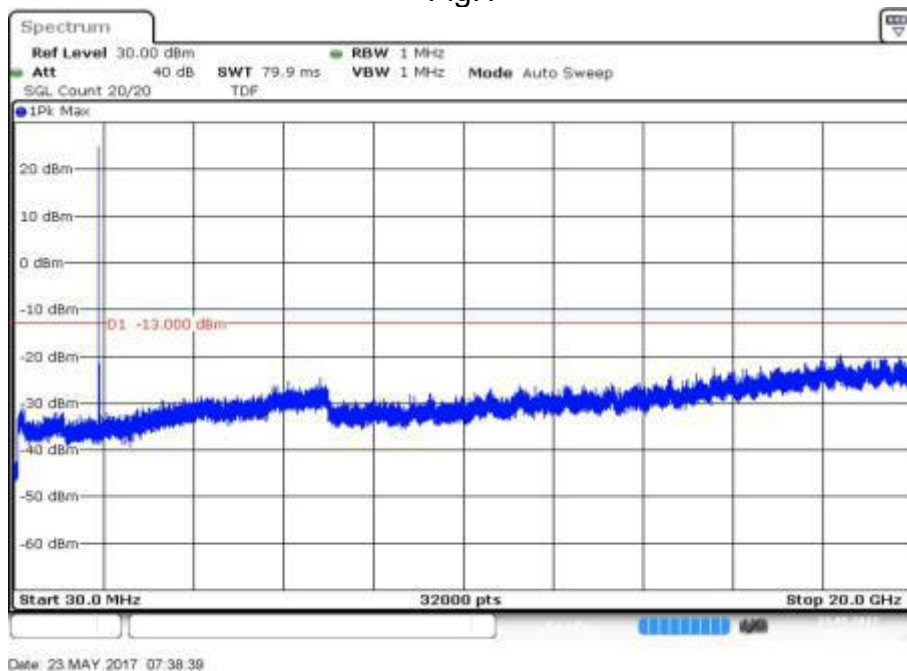


Fig.2

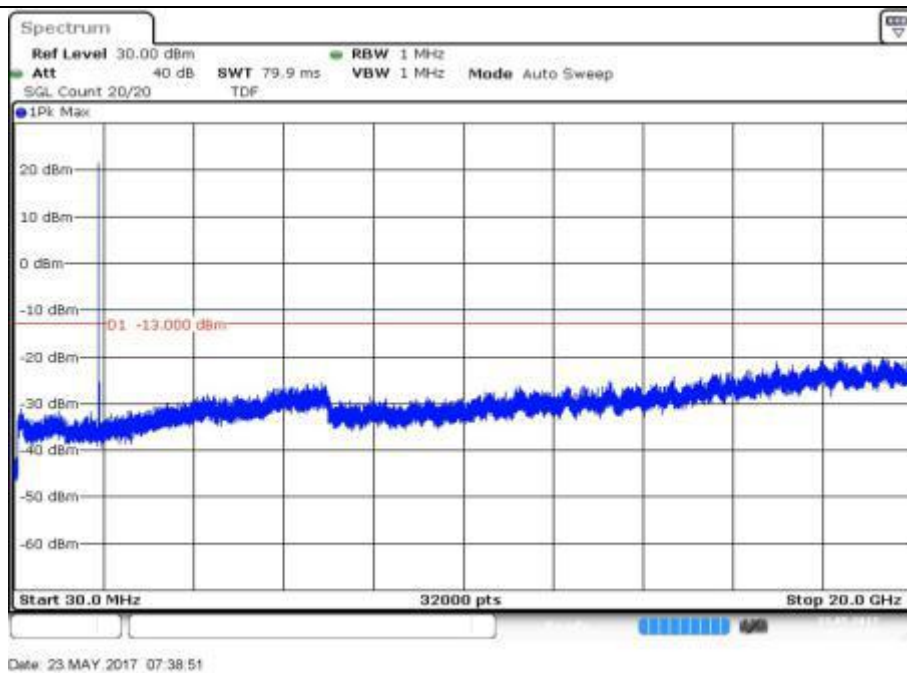


Fig.3

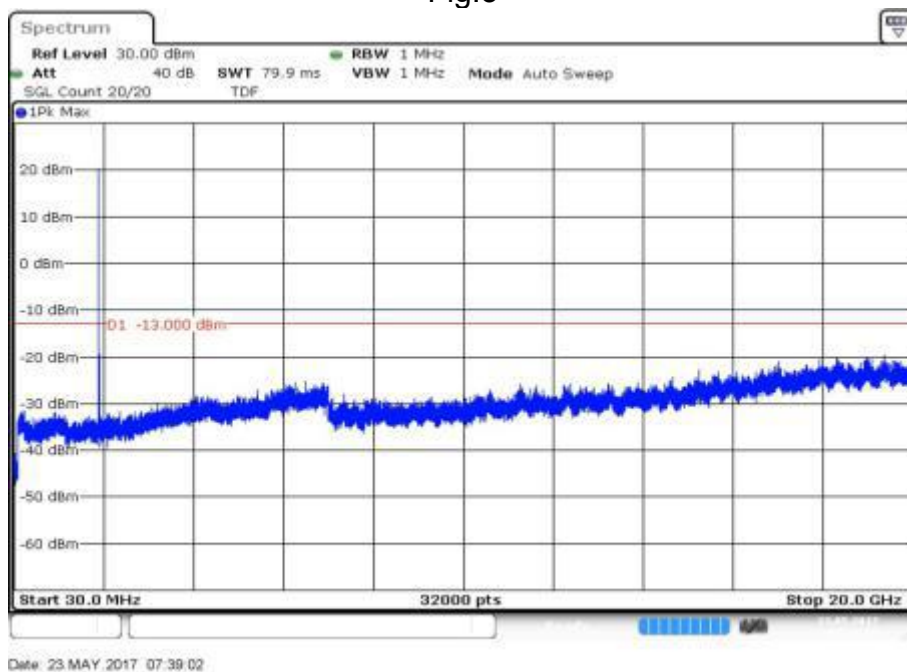


Fig.4

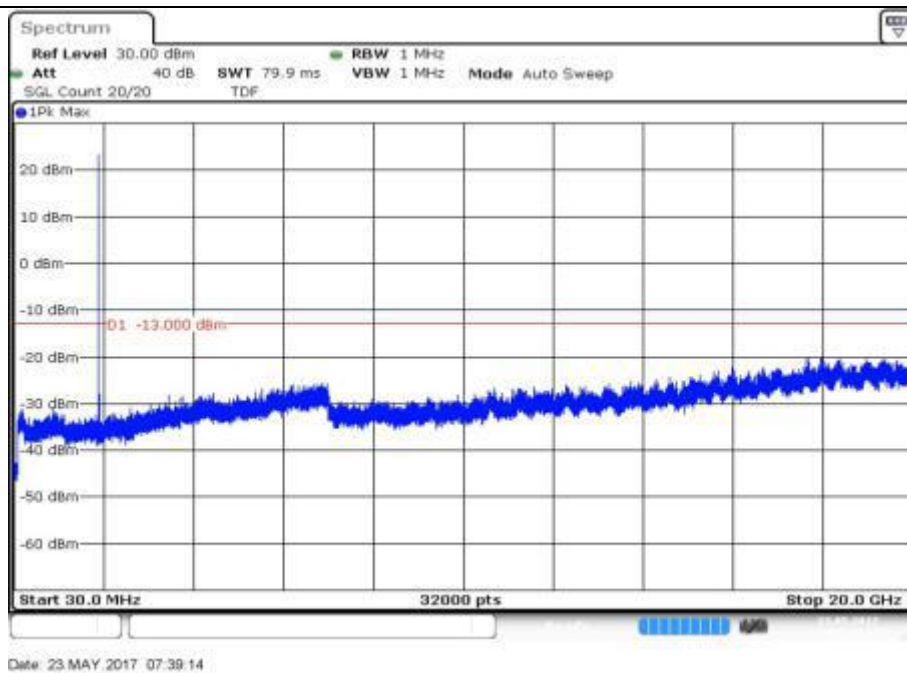


Fig.5

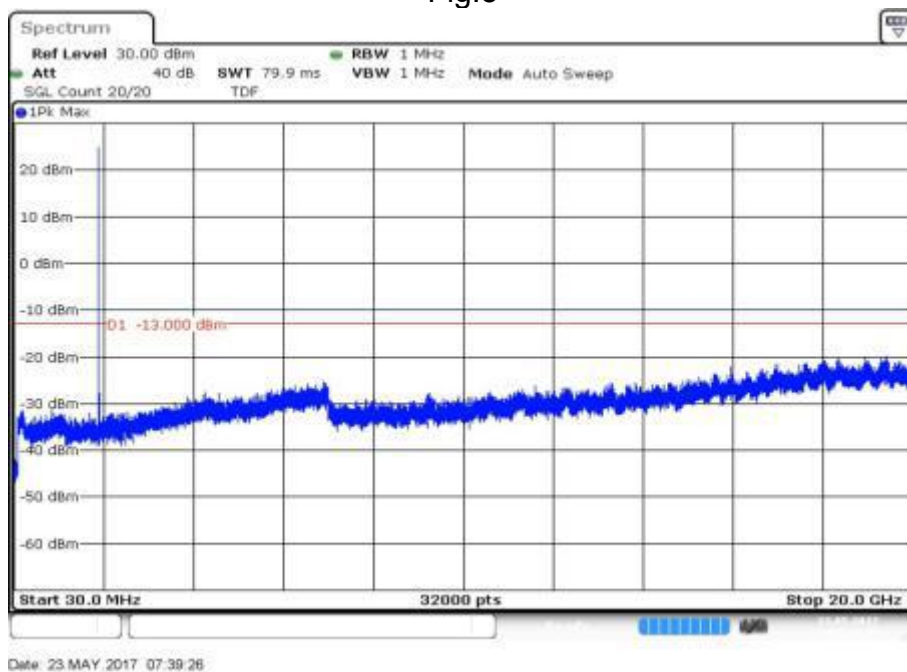


Fig.6

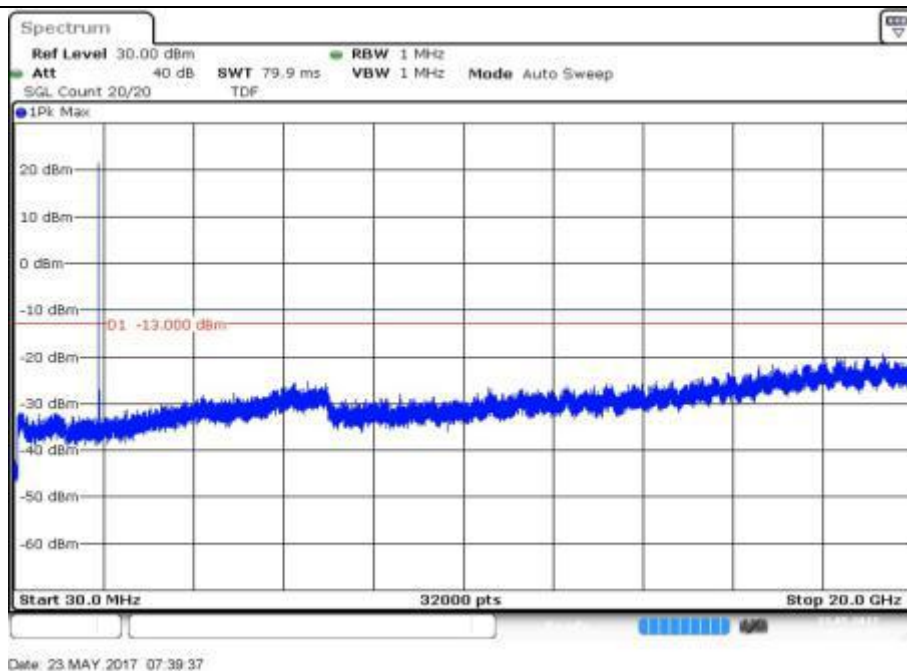


Fig.7

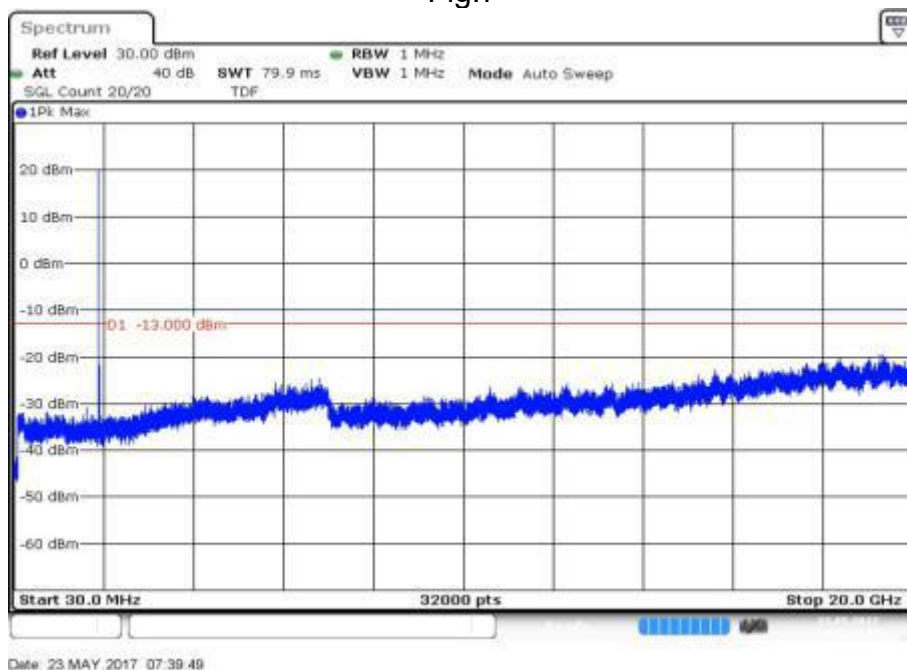


Fig.8

| Band | Carrier frequency (MHz) | Channel (Low) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|---------------|----|---------|-----------|-------------------------|--------|
|      |                         |               |    |         |           | QPSK                    | 16-QAM |
| 2    | 1852.5                  | 18625         | 5  | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |               |    | 1       | 24        | Fig.2                   | Fig.6  |
|      |                         |               |    | 12      | 6         | Fig.3                   | Fig.7  |
|      |                         |               |    | 25      | 0         | Fig.4                   | Fig.8  |

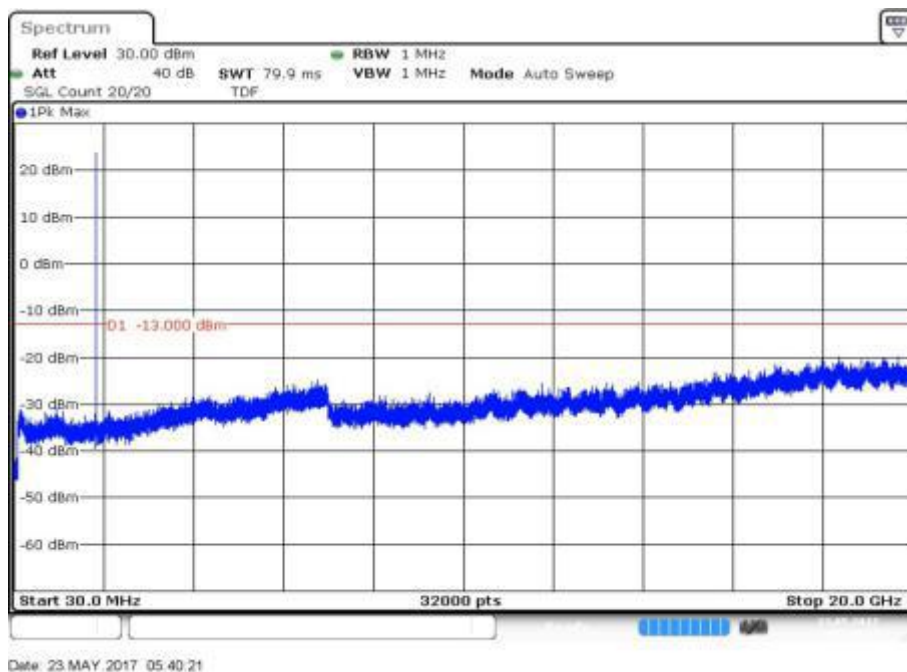


Fig.1

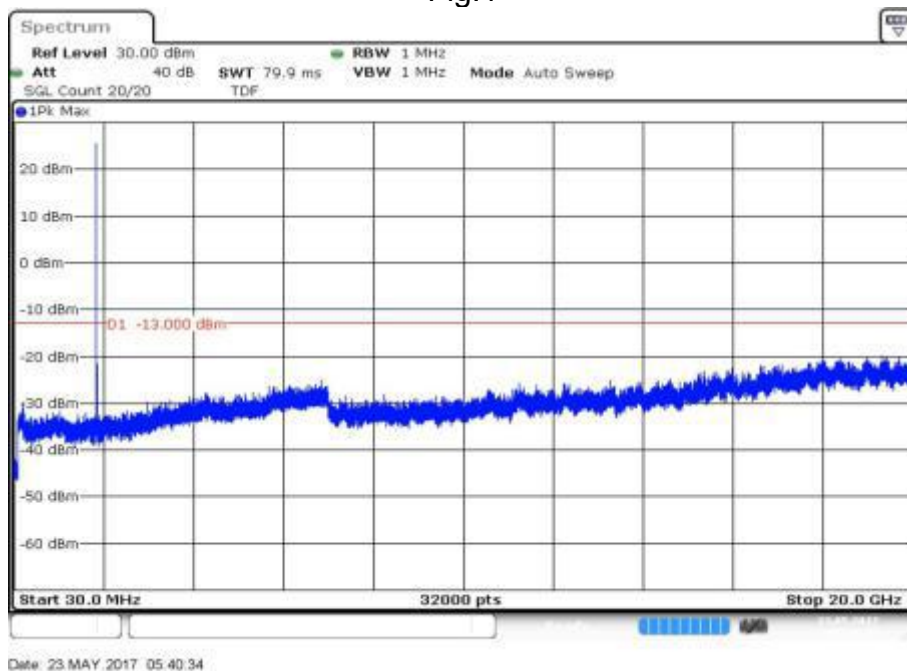


Fig.2

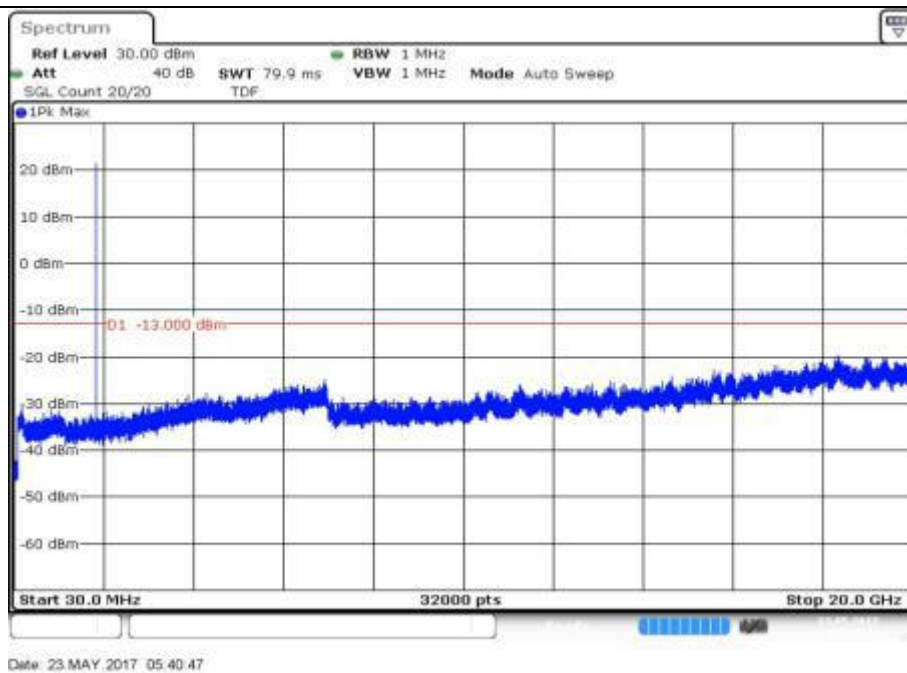


Fig.3

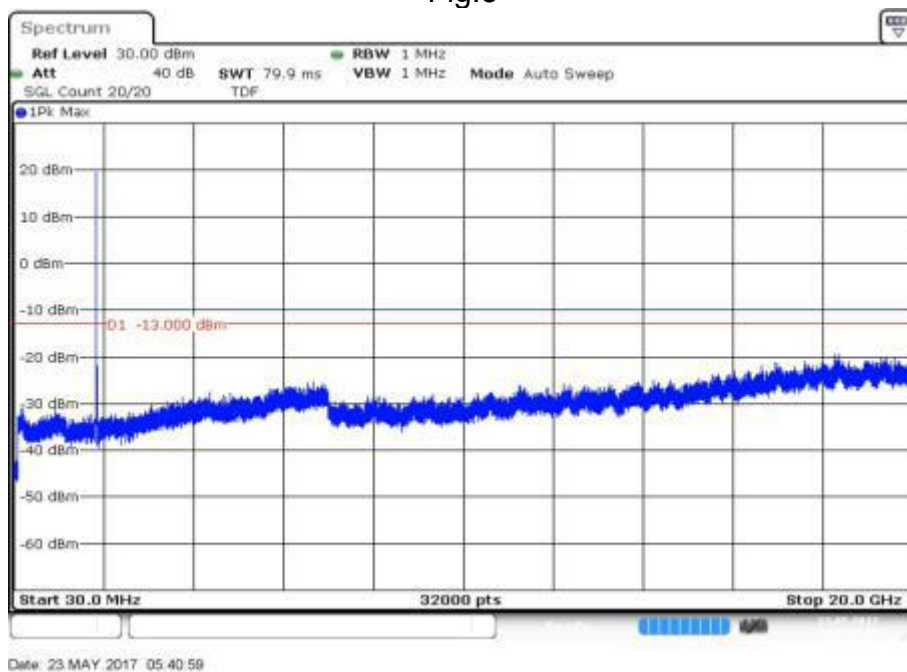


Fig.4

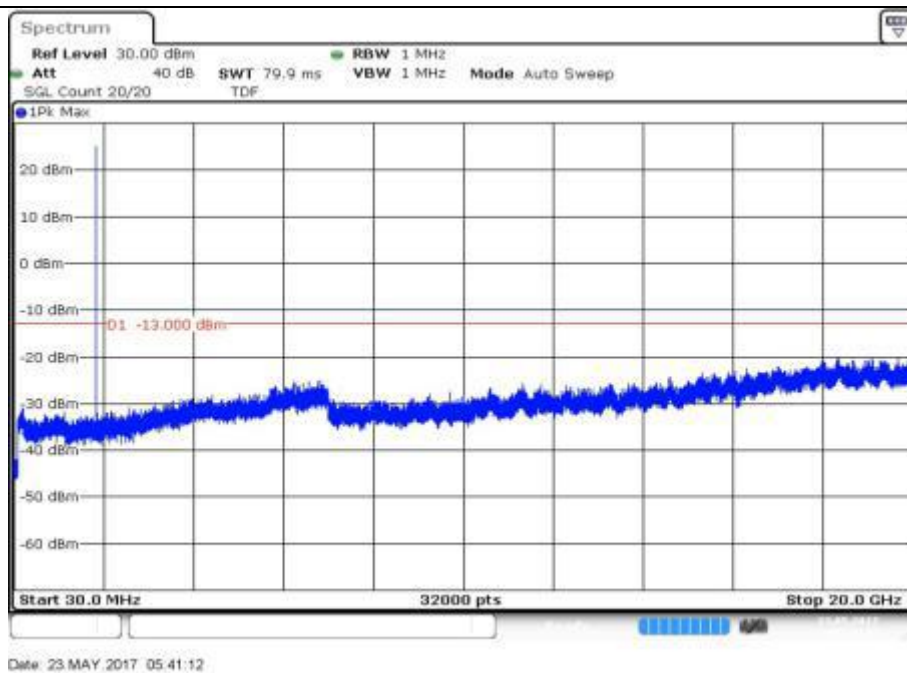


Fig.5

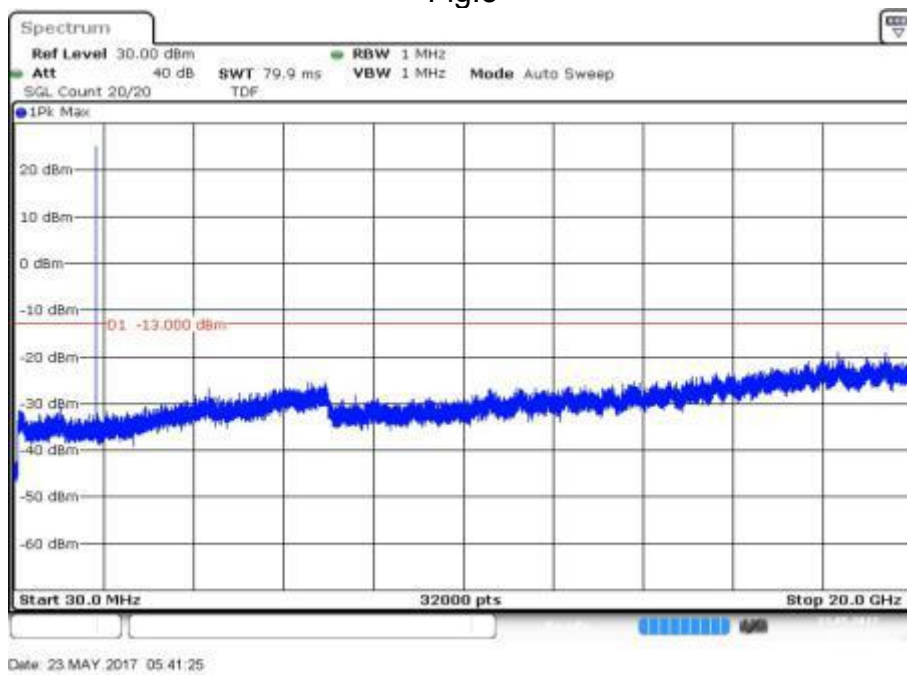


Fig.6

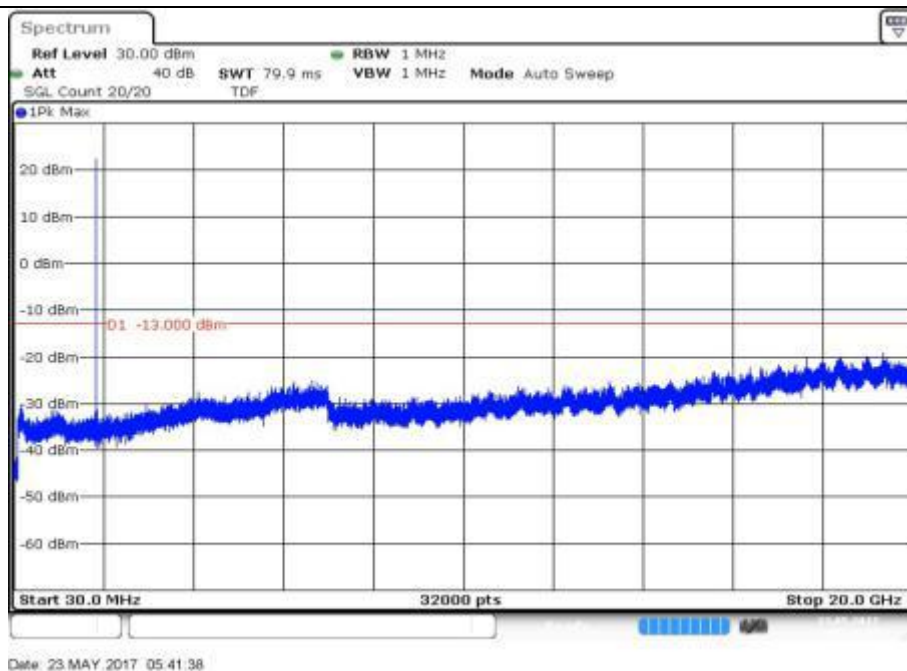


Fig.7

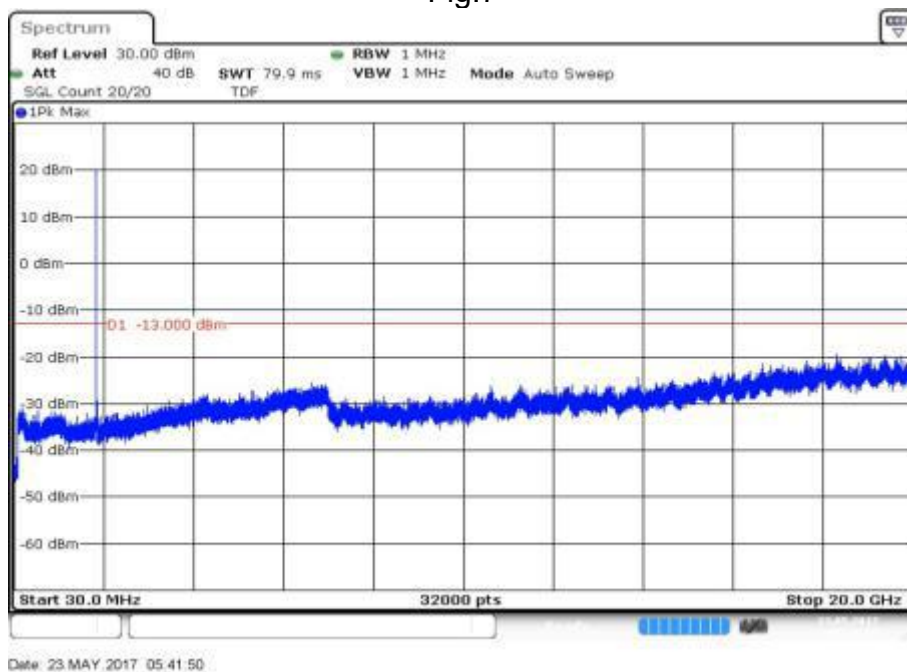


Fig.8

| Band | Carrier frequency (MHz) | Channel (Mid) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|---------------|----|---------|-----------|-------------------------|--------|
|      |                         |               |    |         |           | QPSK                    | 16-QAM |
| 2    | 1880                    | 18900         | 5  | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |               |    | 1       | 24        | Fig.2                   | Fig.6  |
|      |                         |               |    | 12      | 6         | Fig.3                   | Fig.7  |
|      |                         |               |    | 25      | 0         | Fig.4                   | Fig.8  |

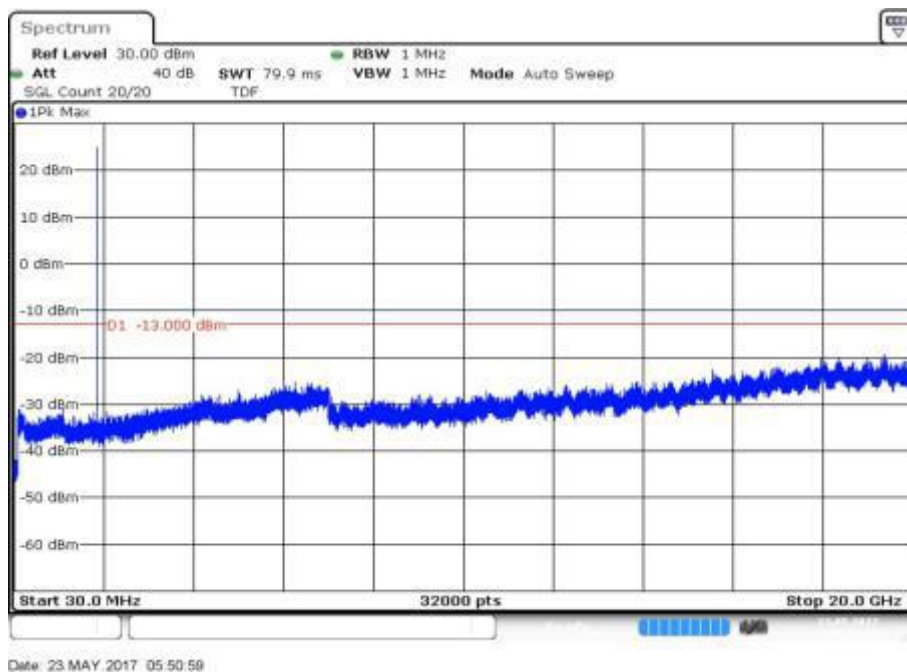


Fig.1

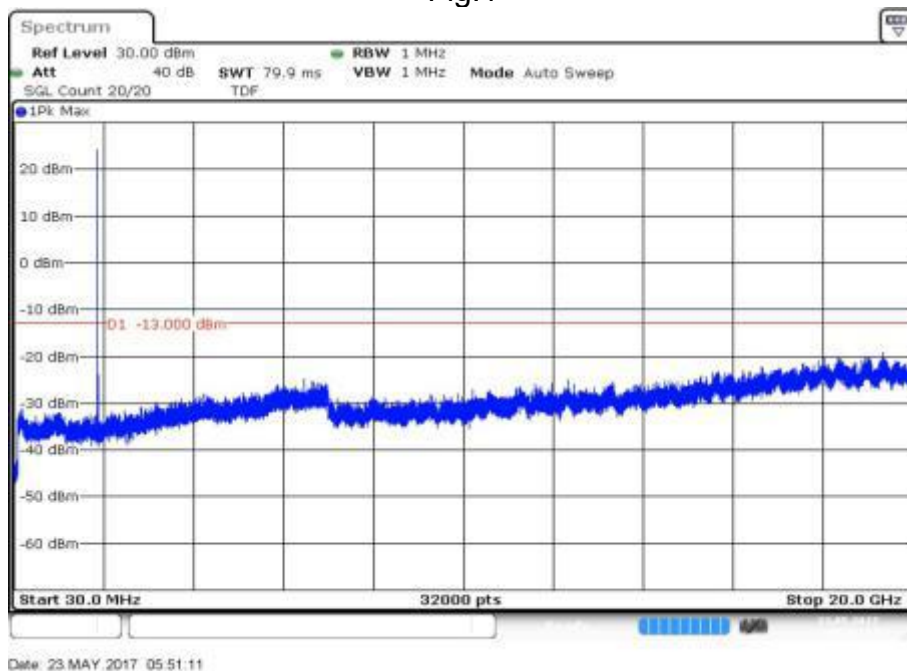


Fig.2

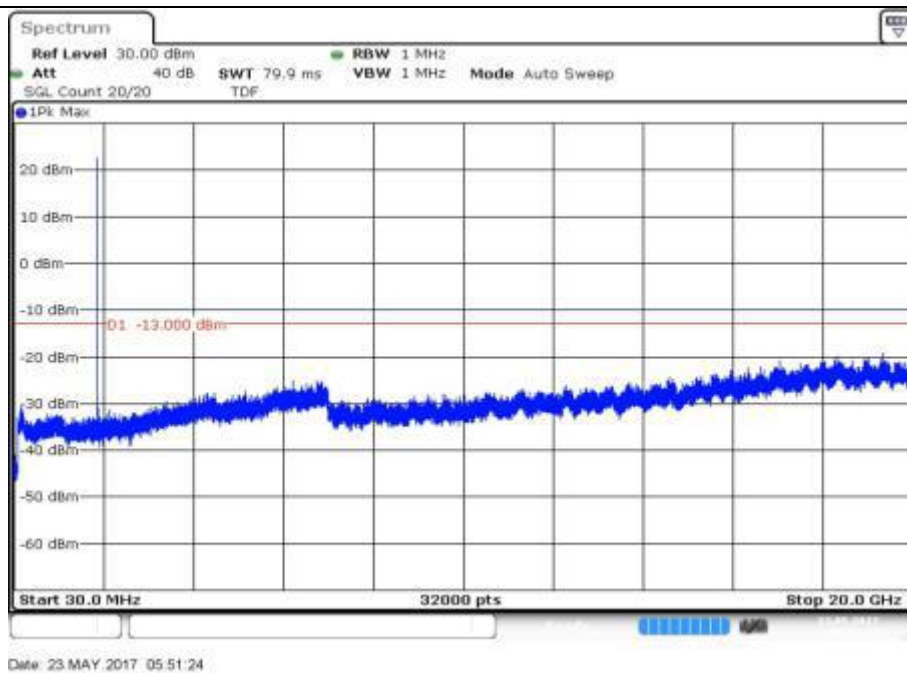


Fig.3

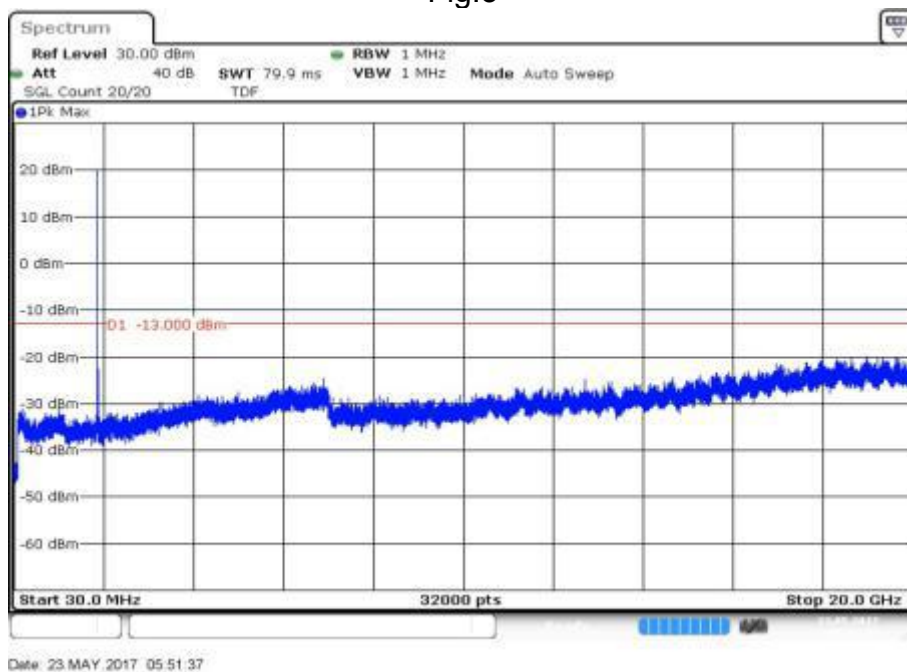


Fig.4

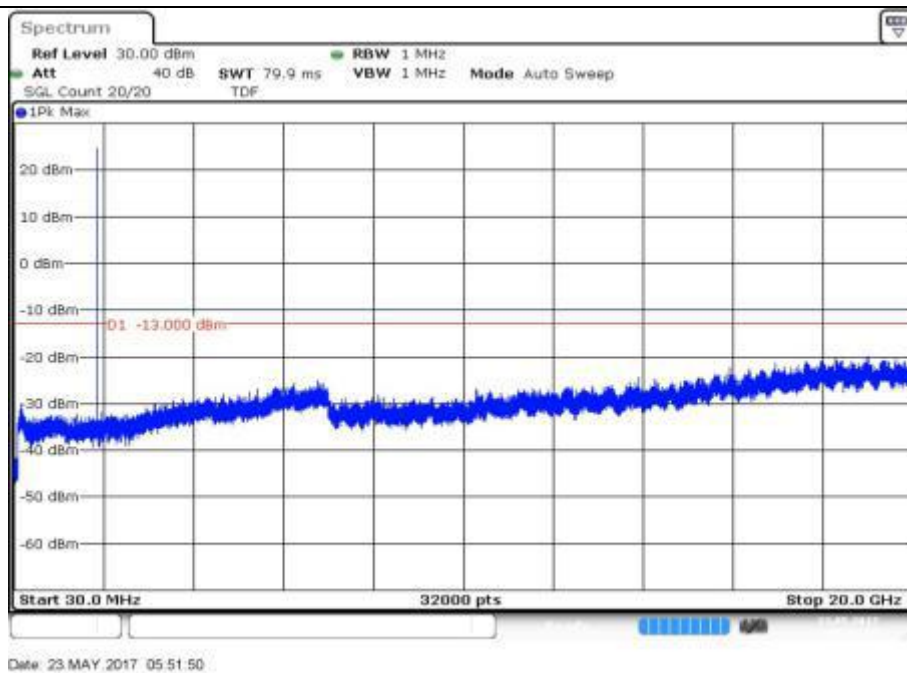


Fig.5

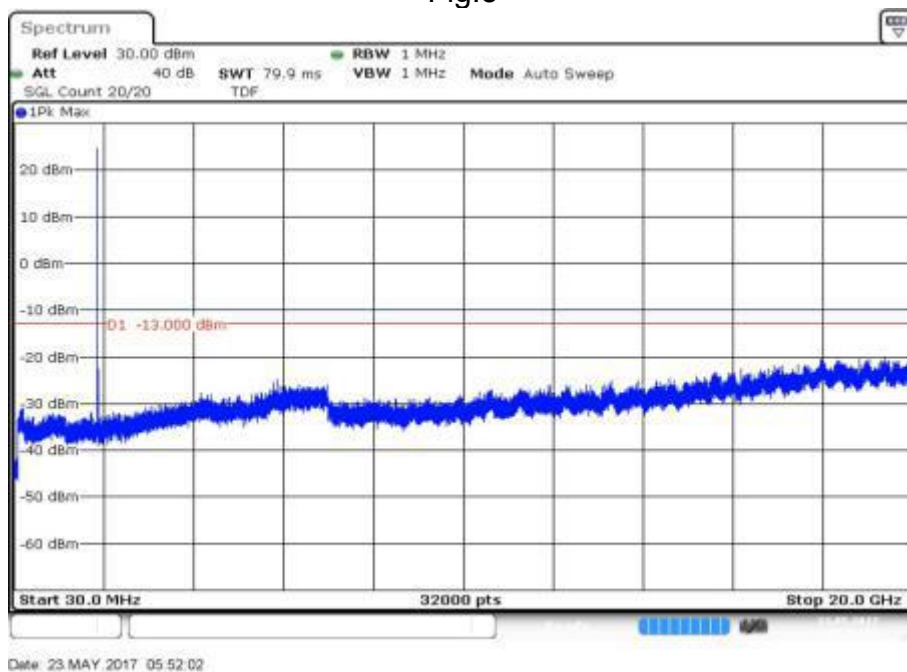


Fig.6

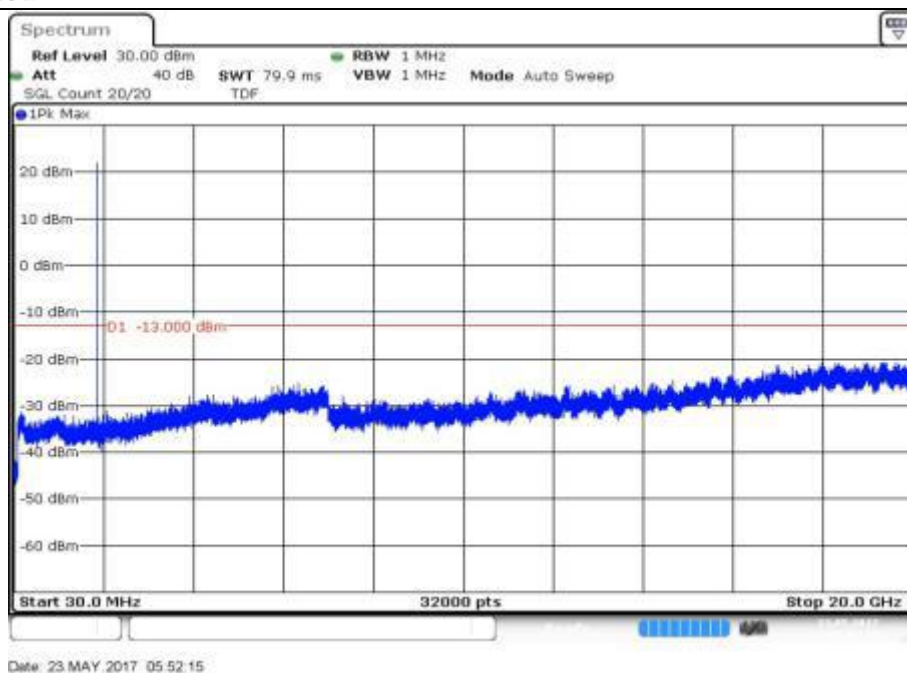


Fig.7

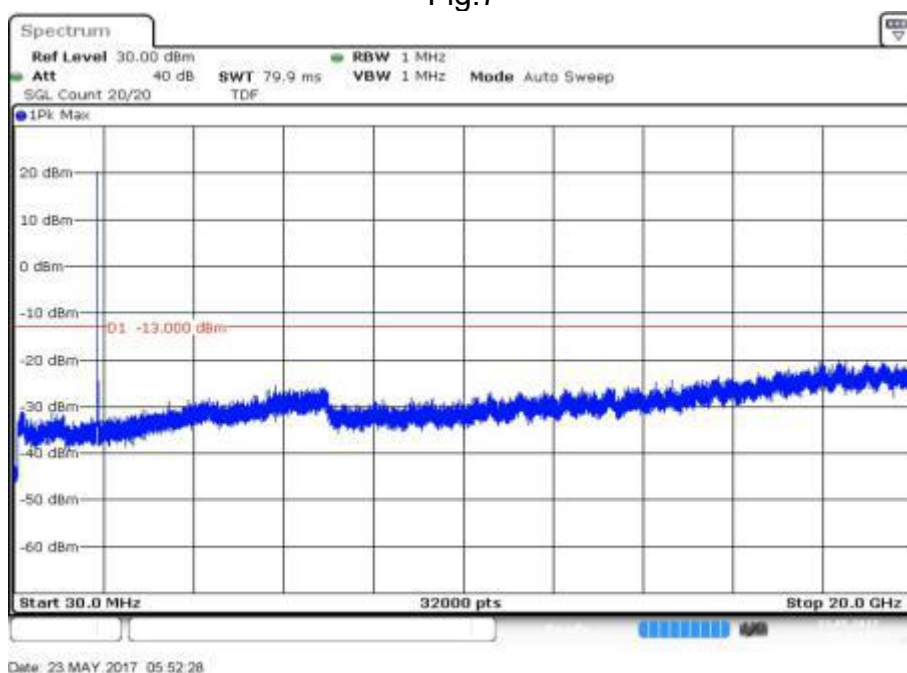


Fig.8

| Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|----------------|----|---------|-----------|-------------------------|--------|
|      |                         |                |    |         |           | QPSK                    | 16-QAM |
| 2    | 1907.5                  | 19175          | 5  | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |                |    | 1       | 24        | Fig.2                   | Fig.6  |
|      |                         |                |    | 12      | 6         | Fig.3                   | Fig.7  |
|      |                         |                |    | 25      | 0         | Fig.4                   | Fig.8  |

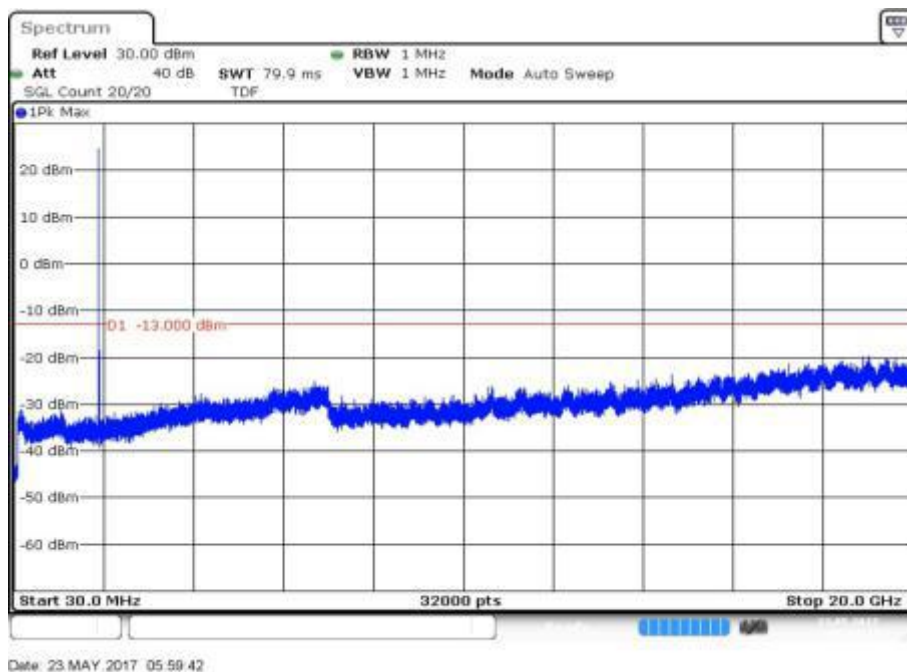


Fig.1

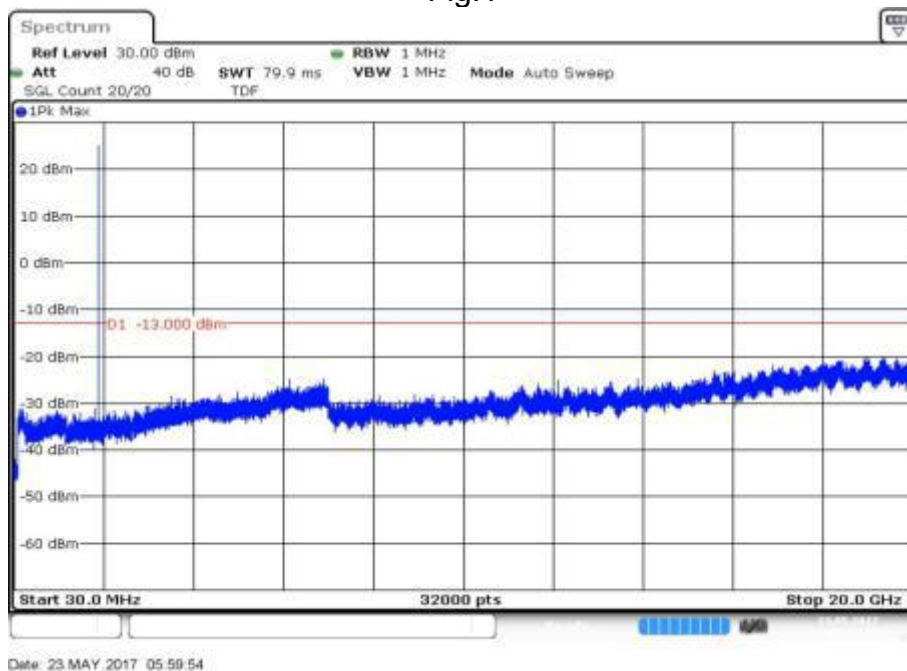


Fig.2

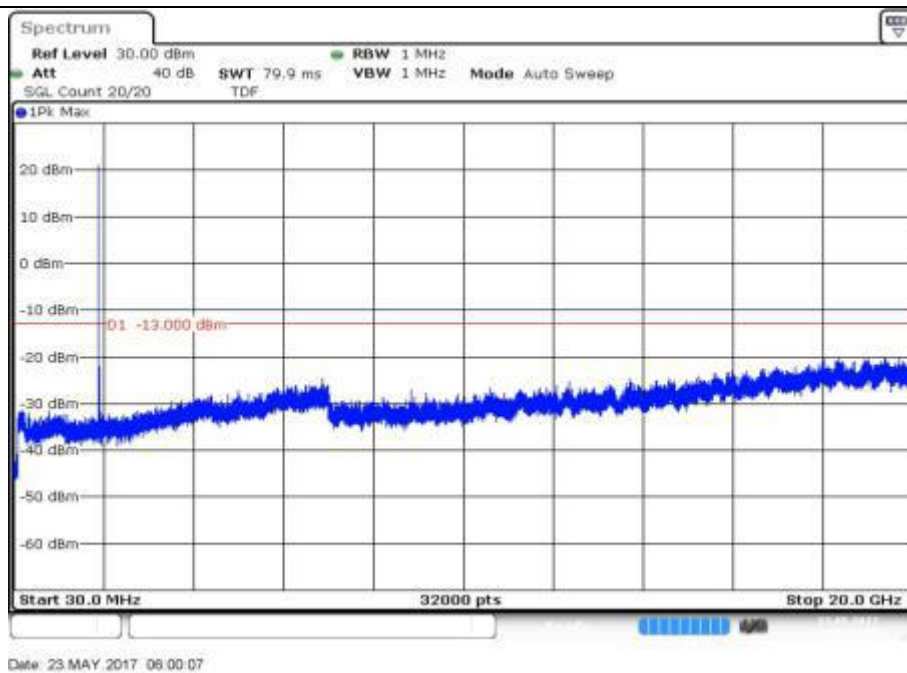


Fig.3

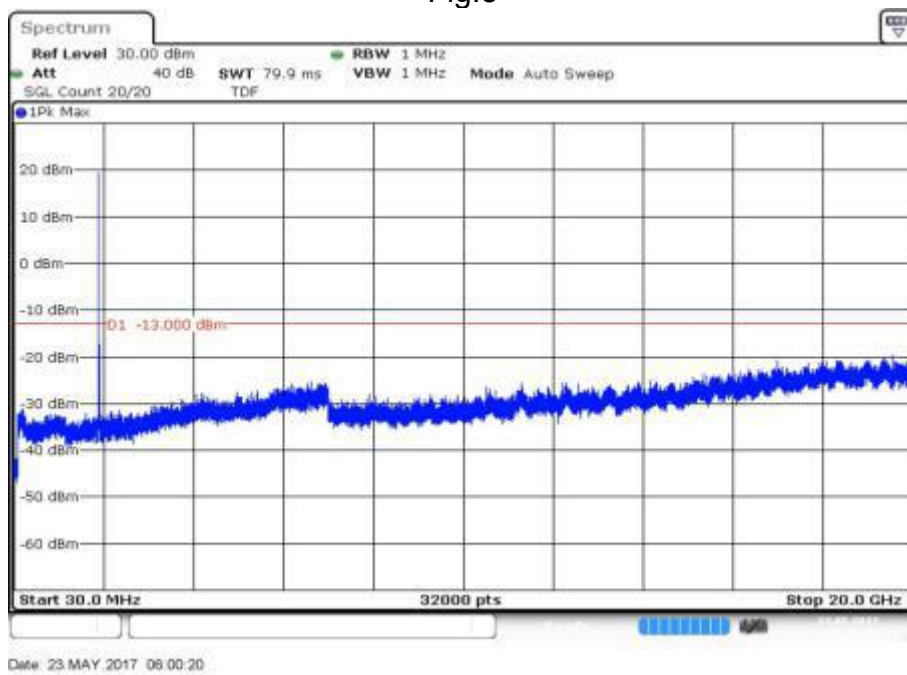


Fig.4

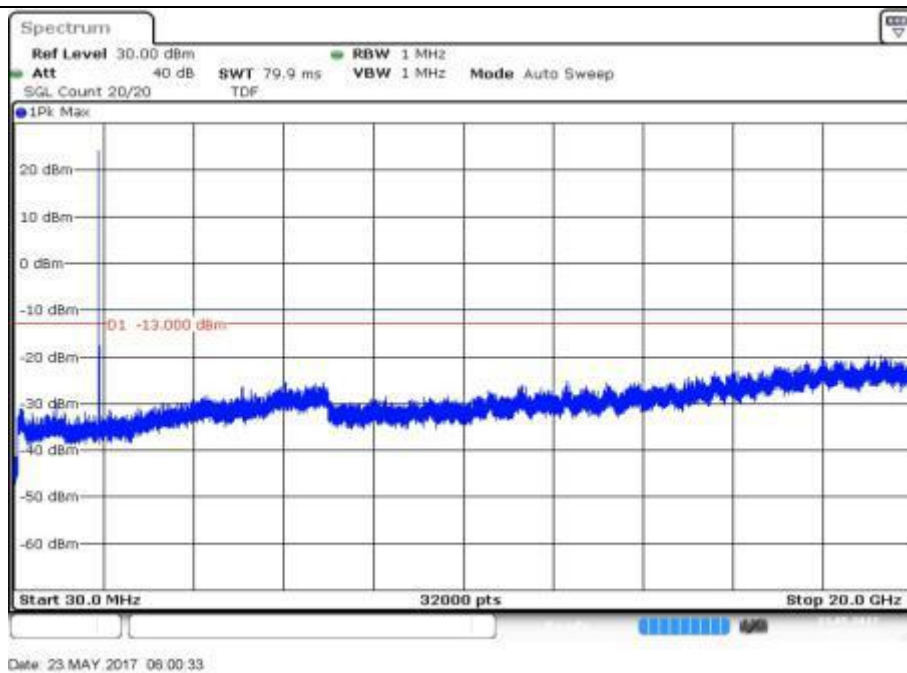


Fig.5

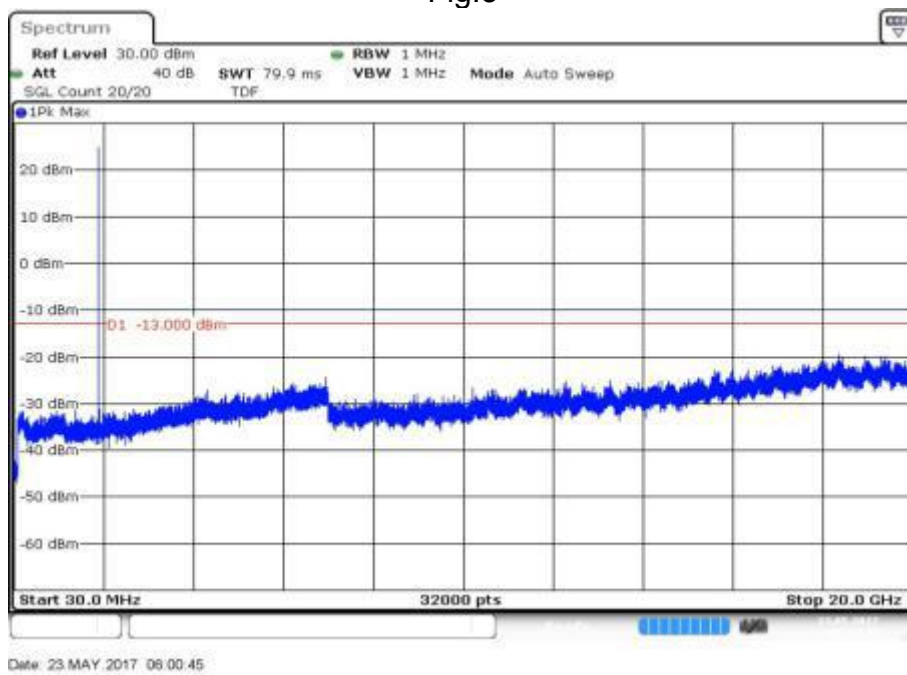


Fig.6

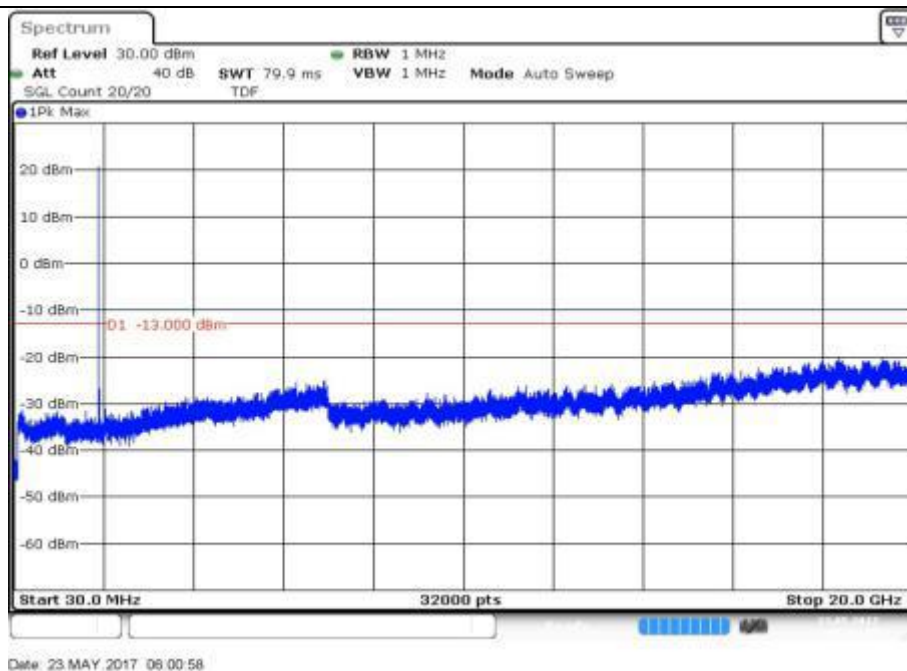


Fig.7

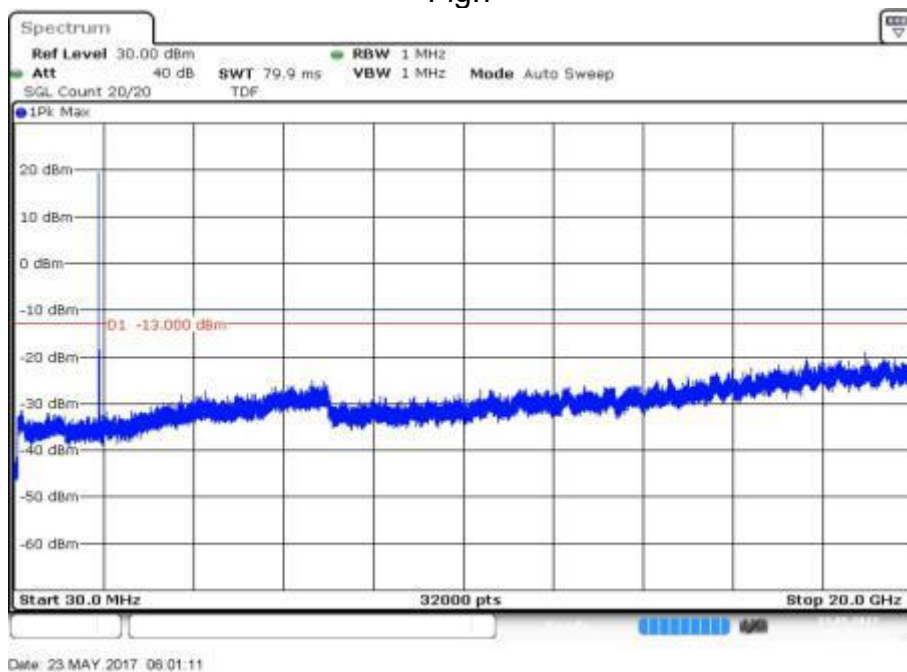


Fig.8

| Band | Carrier frequency (MHz) | Channel (Low) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|---------------|----|---------|-----------|-------------------------|--------|
|      |                         |               |    |         |           | QPSK                    | 16-QAM |
| 2    | 1855                    | 18650         | 10 | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |               |    | 1       | 49        | Fig.2                   | Fig.6  |
|      |                         |               |    | 24      | 12        | Fig.3                   | Fig.7  |
|      |                         |               |    | 50      | 0         | Fig.4                   | Fig.8  |

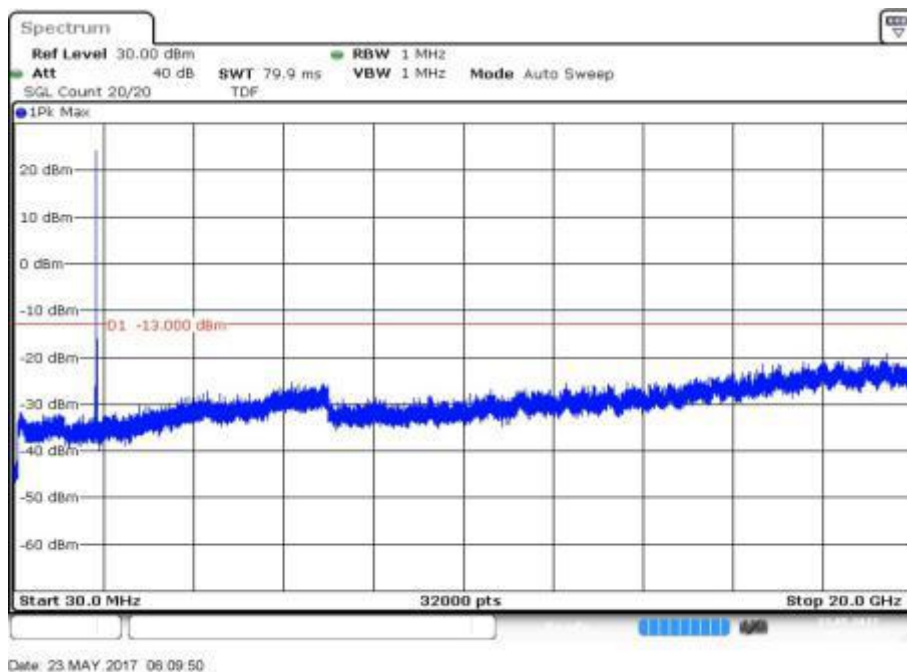


Fig.1

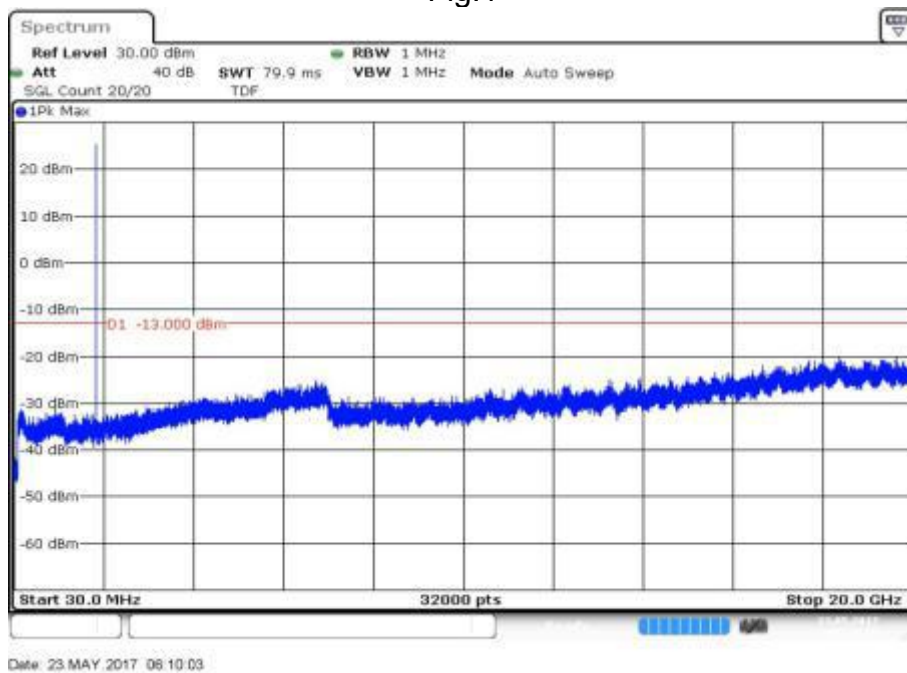


Fig.2

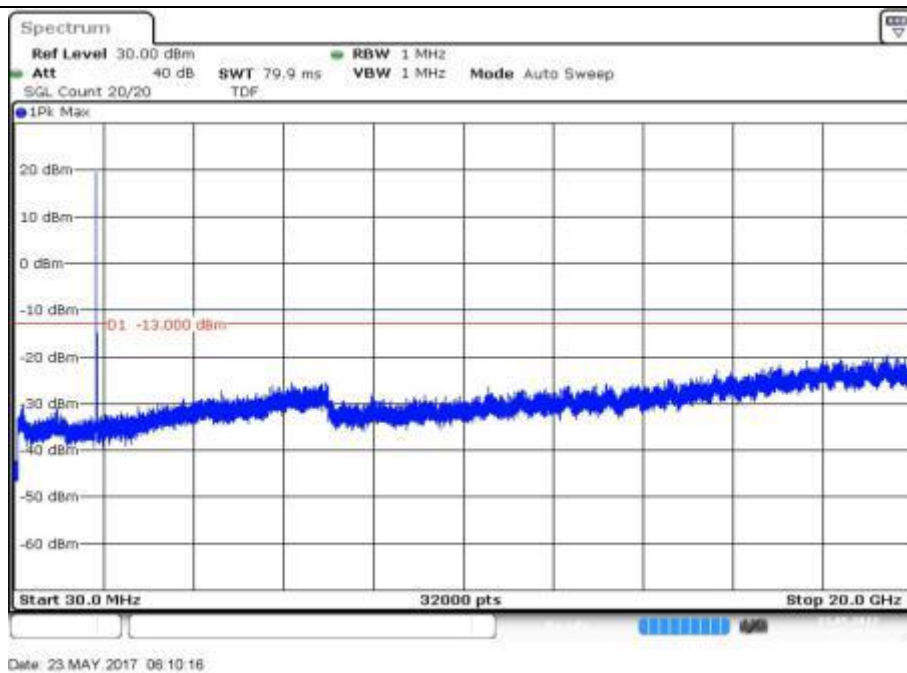


Fig.3

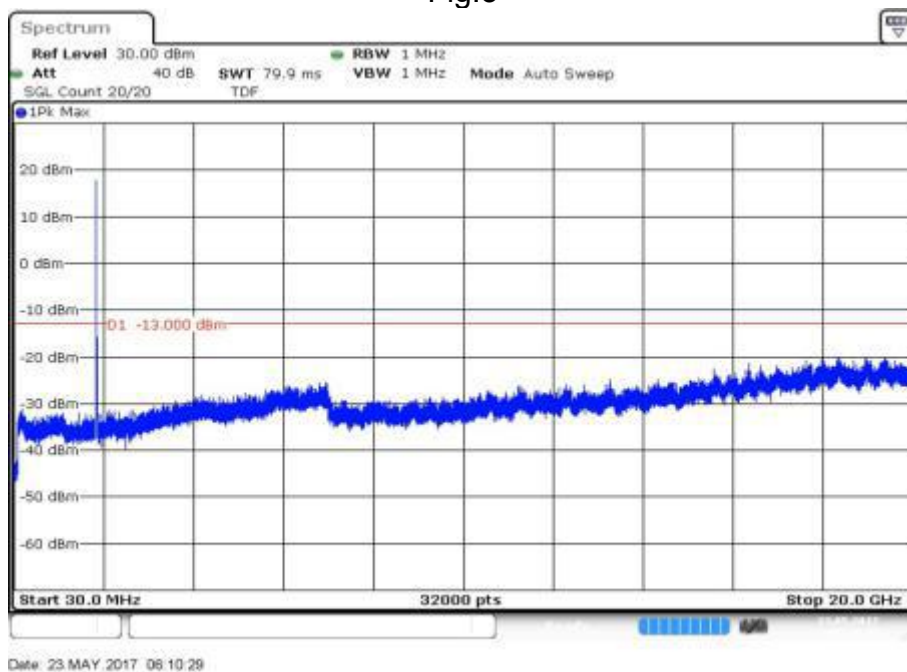


Fig.4

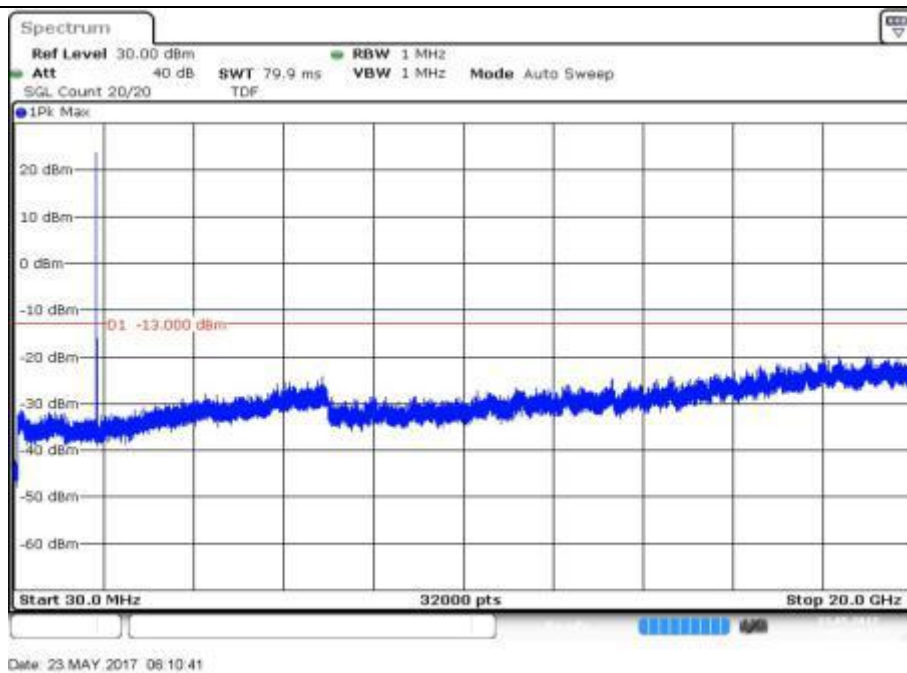


Fig.5

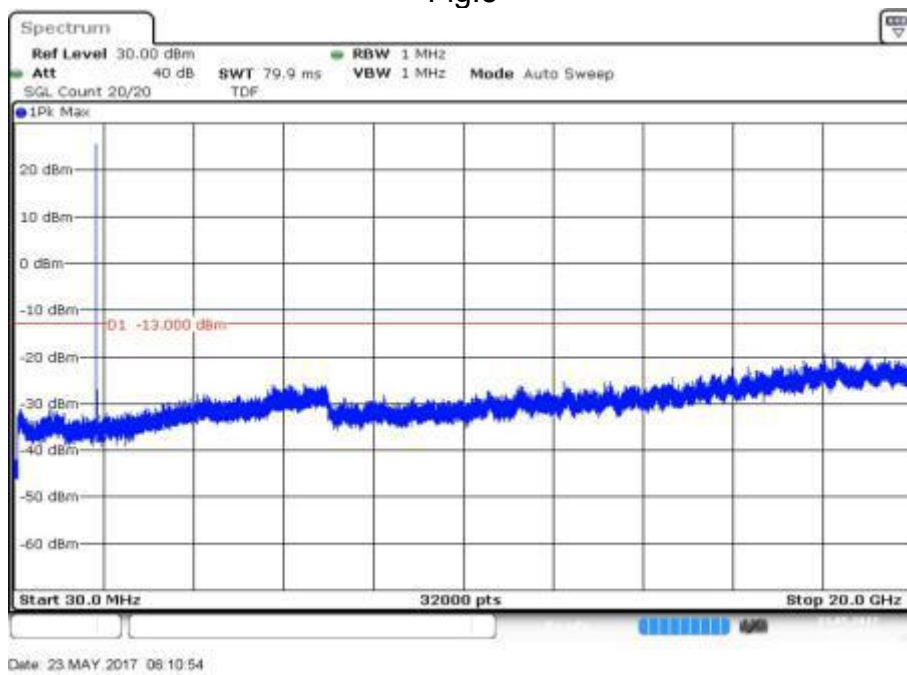


Fig.6

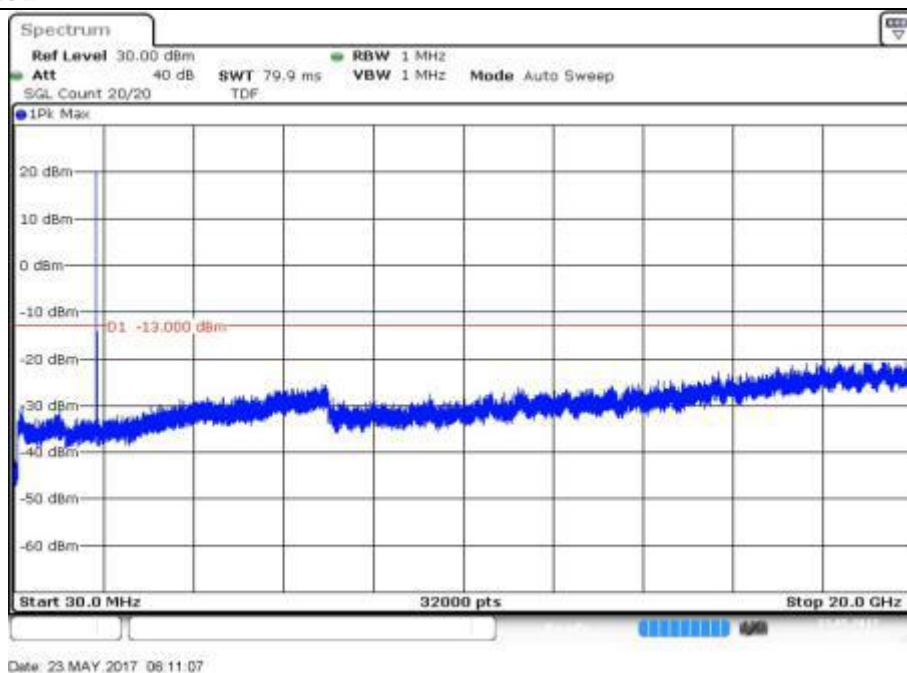


Fig.7

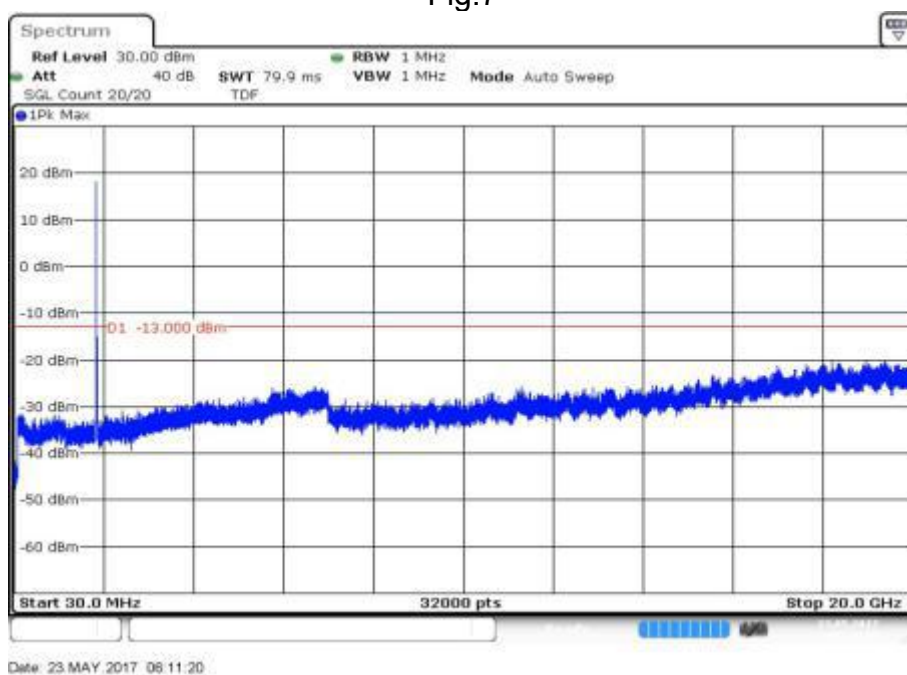


Fig.8

| Band | Carrier frequency (MHz) | Channel (Mid) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|---------------|----|---------|-----------|-------------------------|--------|
|      |                         |               |    |         |           | QPSK                    | 16-QAM |
| 2    | 1880                    | 18900         | 10 | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |               |    | 1       | 49        | Fig.2                   | Fig.6  |
|      |                         |               |    | 24      | 12        | Fig.3                   | Fig.7  |
|      |                         |               |    | 50      | 0         | Fig.4                   | Fig.8  |

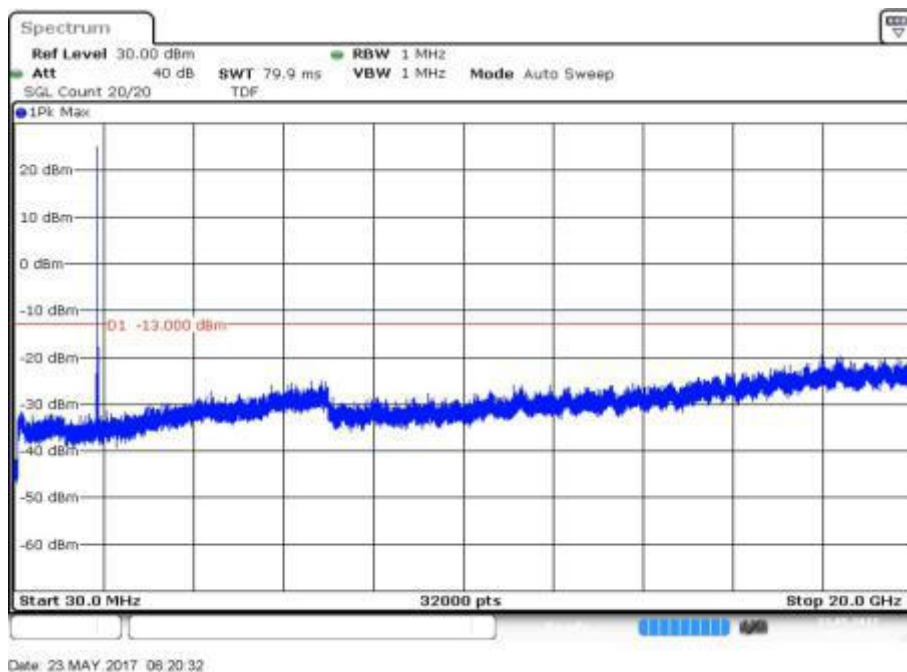


Fig.1

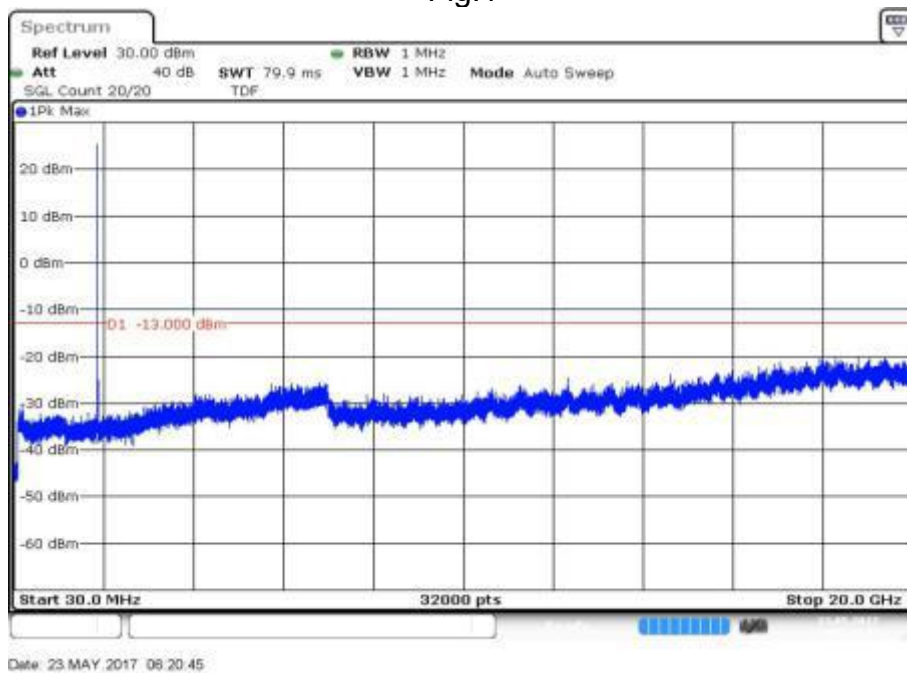


Fig.2

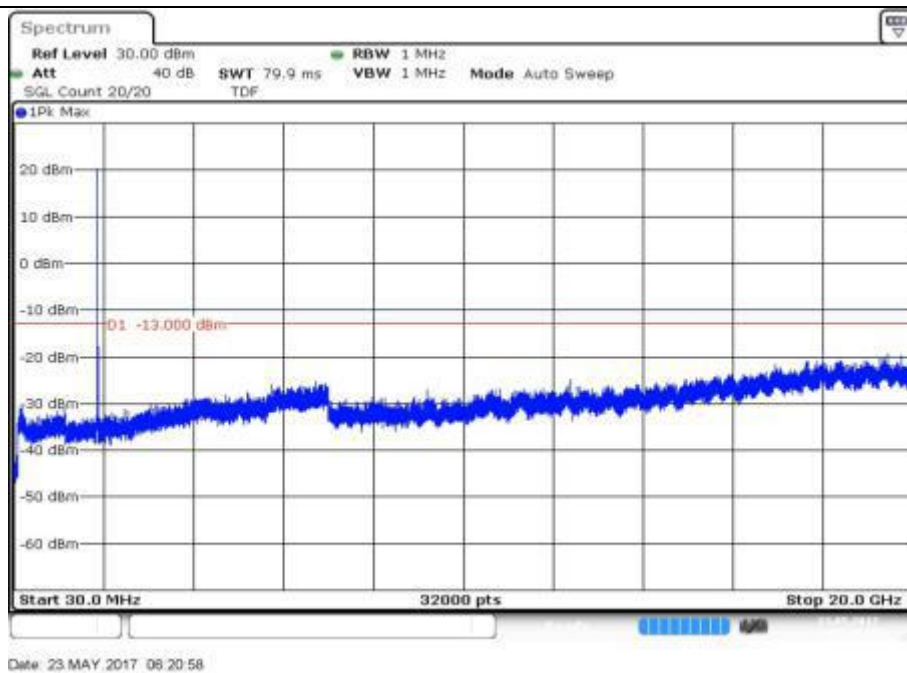


Fig.3

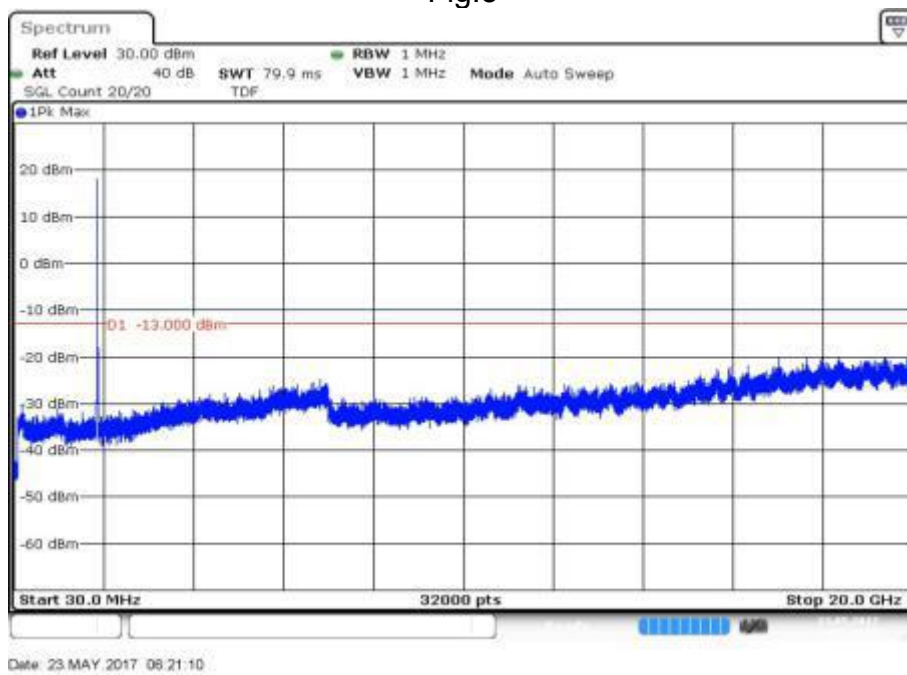


Fig.4

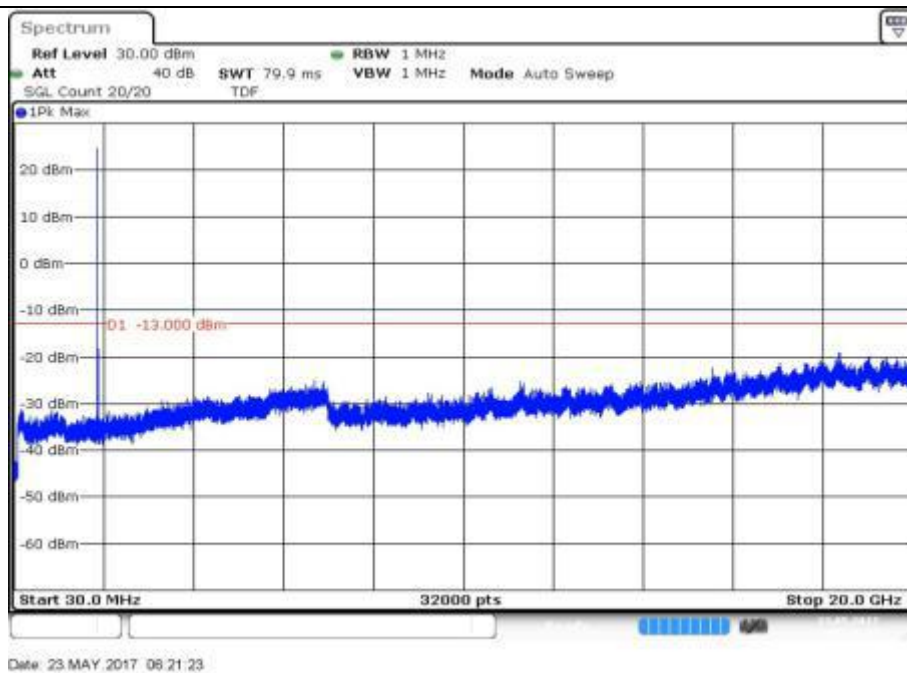


Fig.5

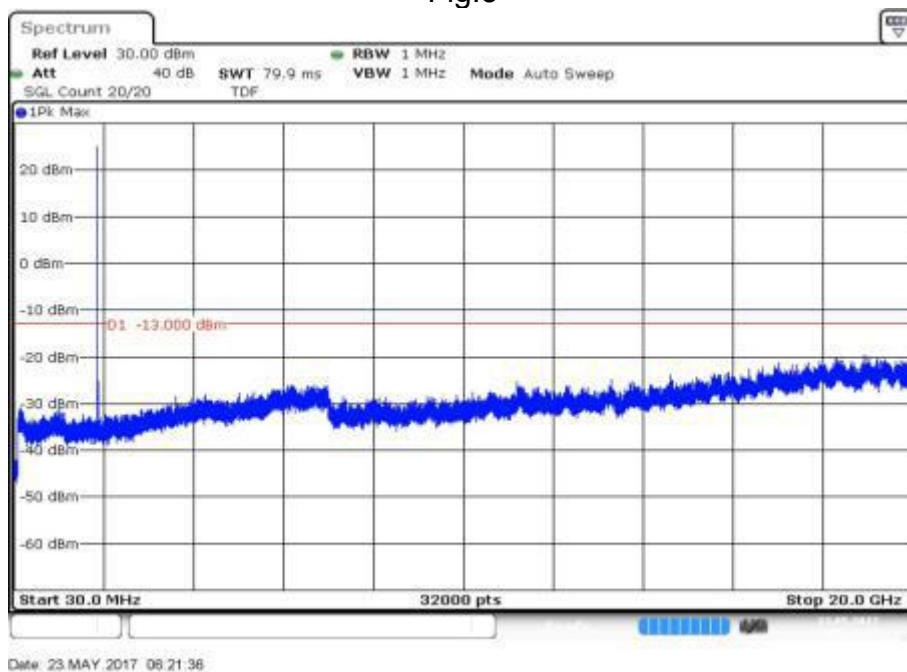


Fig.6

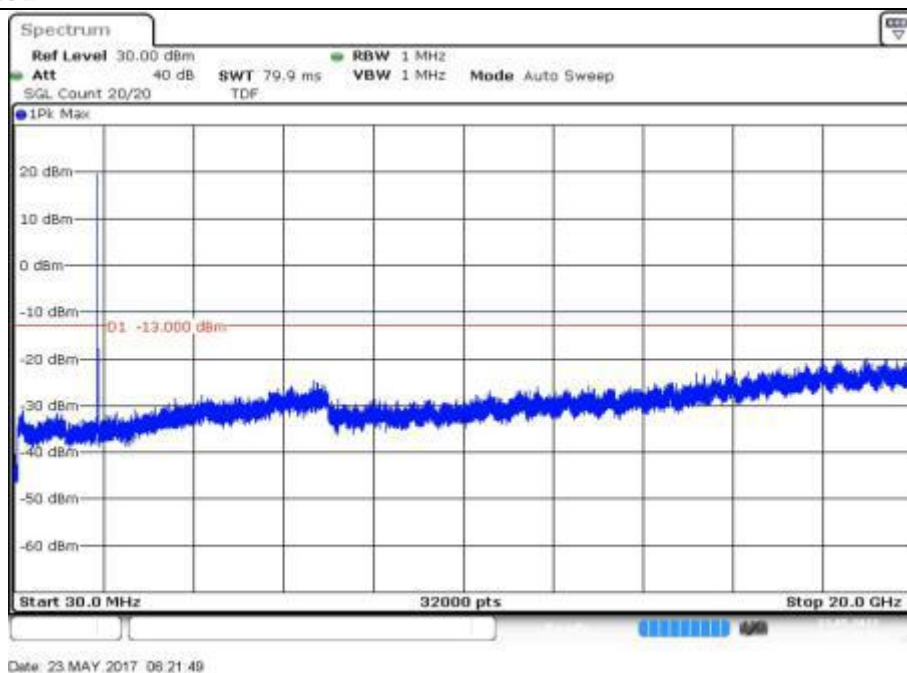


Fig.7

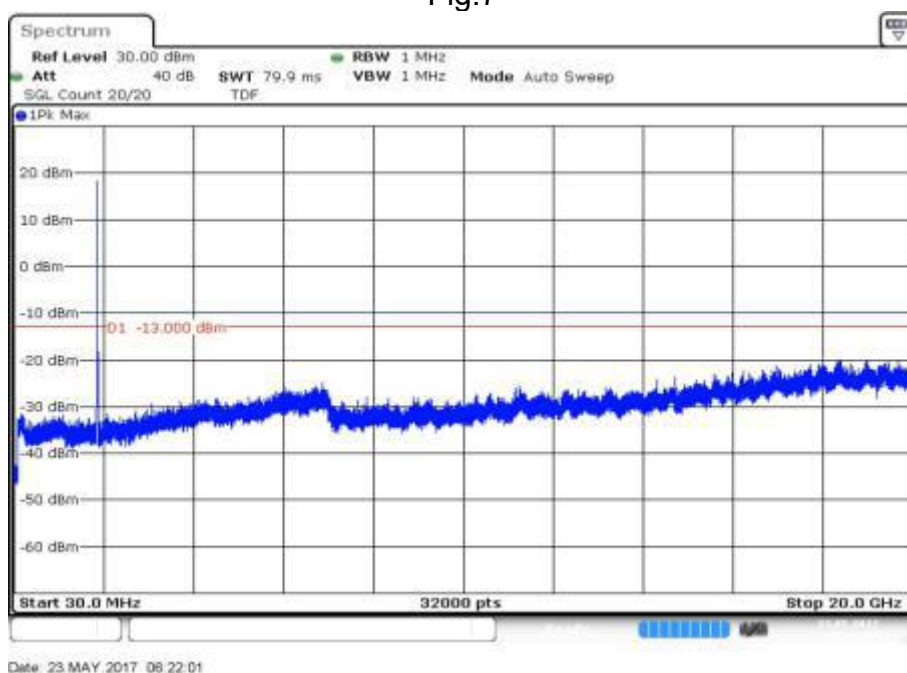


Fig.8

| Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|----------------|----|---------|-----------|-------------------------|--------|
|      |                         |                |    |         |           | QPSK                    | 16-QAM |
| 2    | 1905                    | 19150          | 10 | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |                |    | 1       | 49        | Fig.2                   | Fig.6  |
|      |                         |                |    | 24      | 12        | Fig.3                   | Fig.7  |
|      |                         |                |    | 50      | 0         | Fig.4                   | Fig.8  |

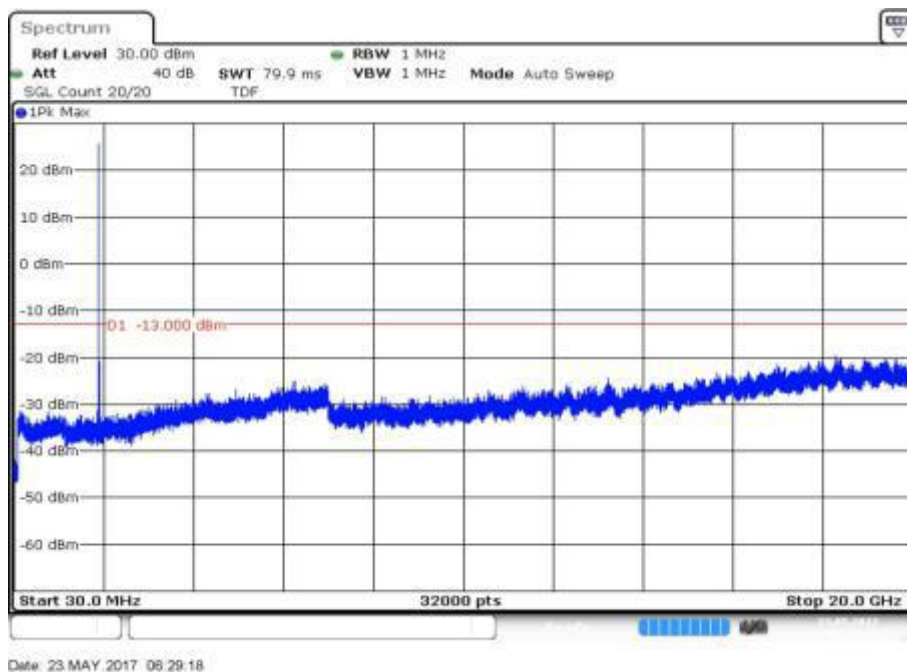


Fig.1

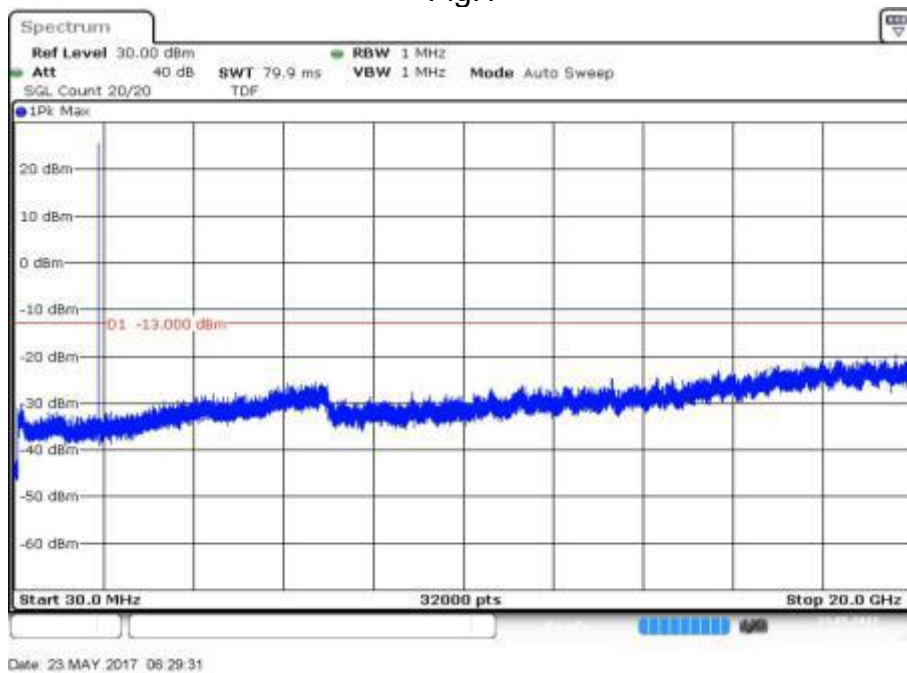


Fig.2

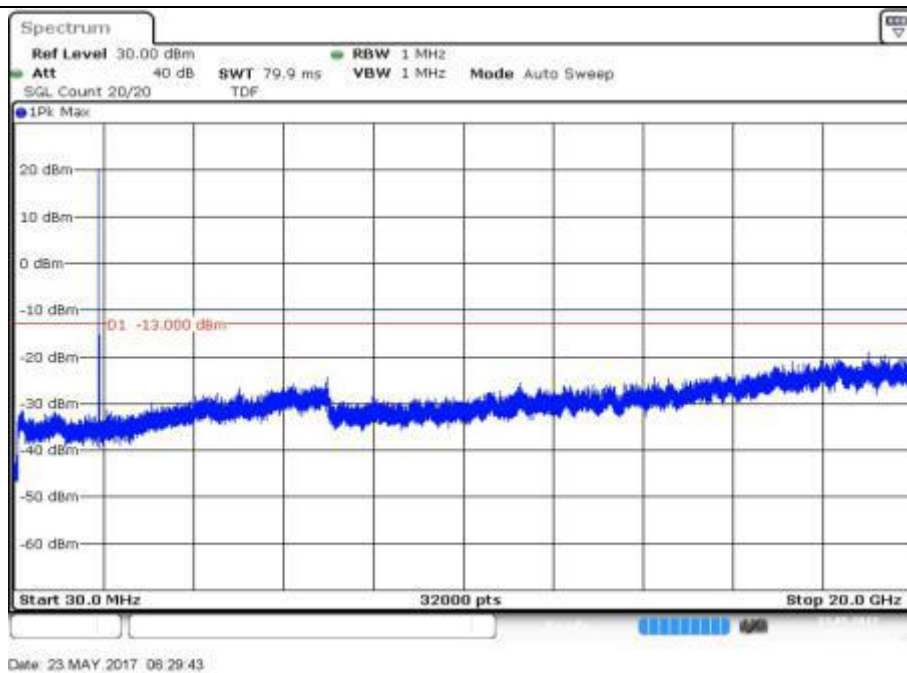


Fig.3

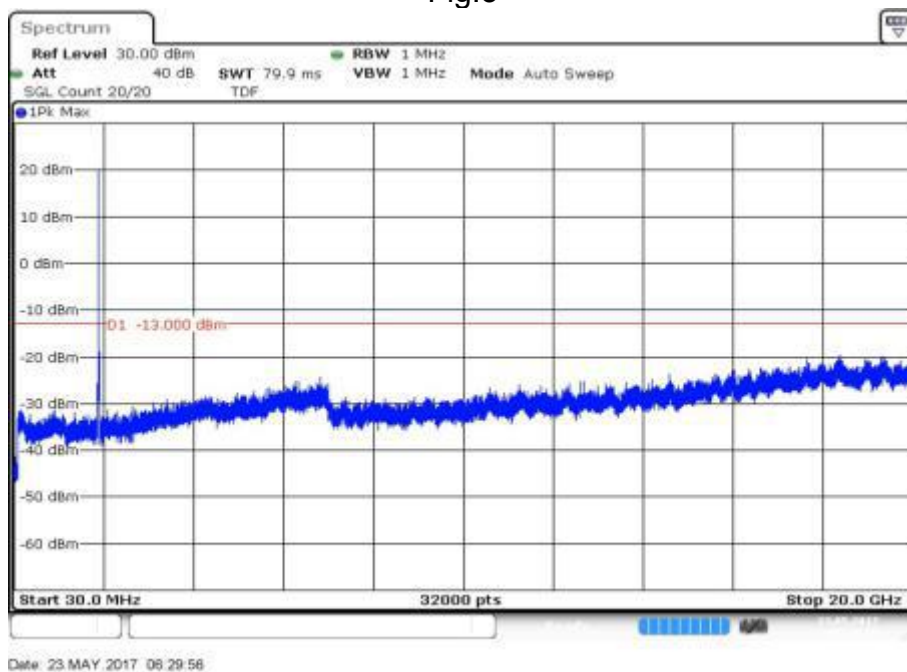


Fig.4

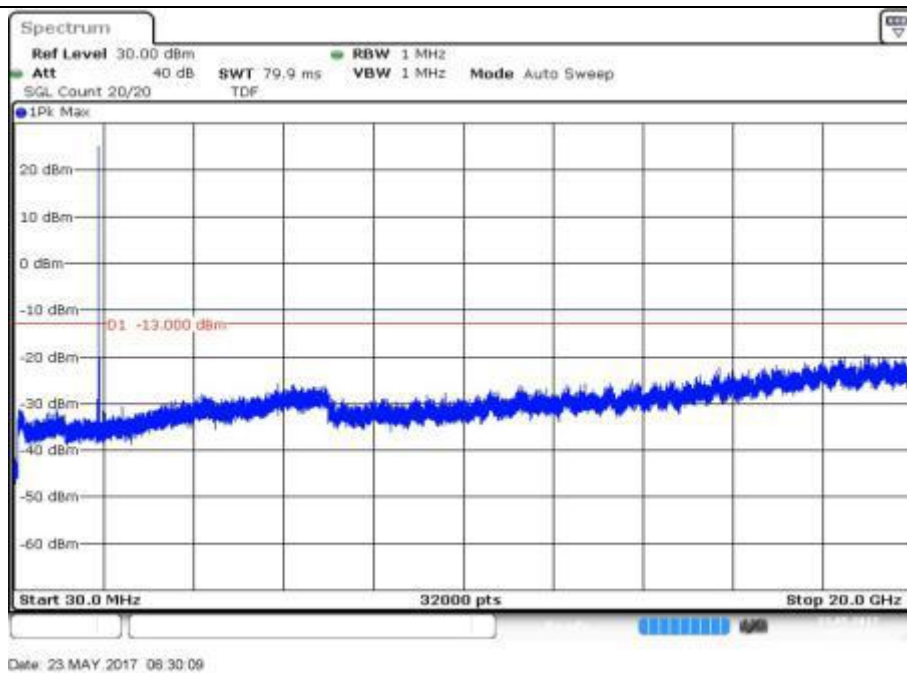


Fig.5

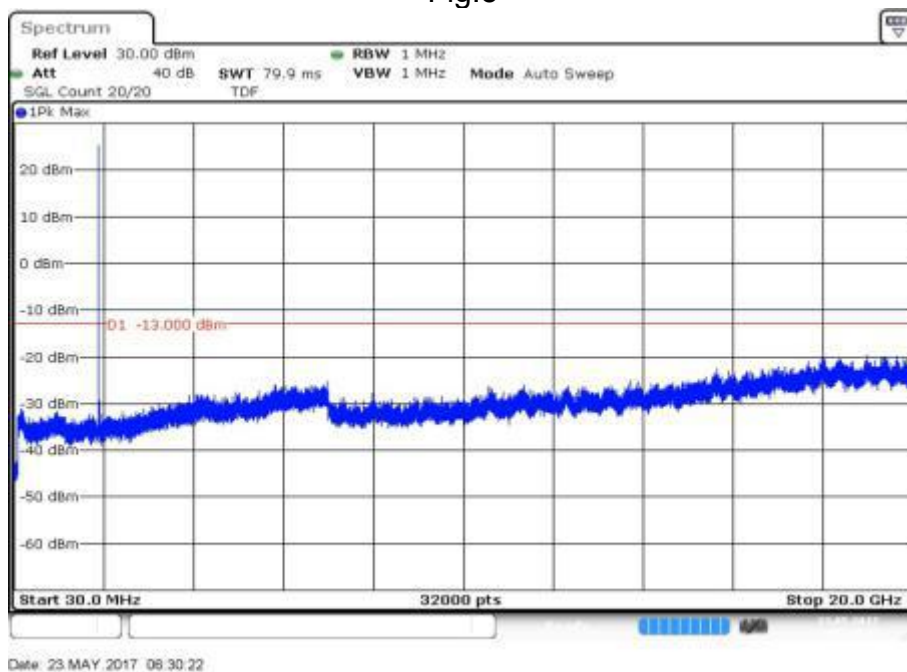


Fig.6

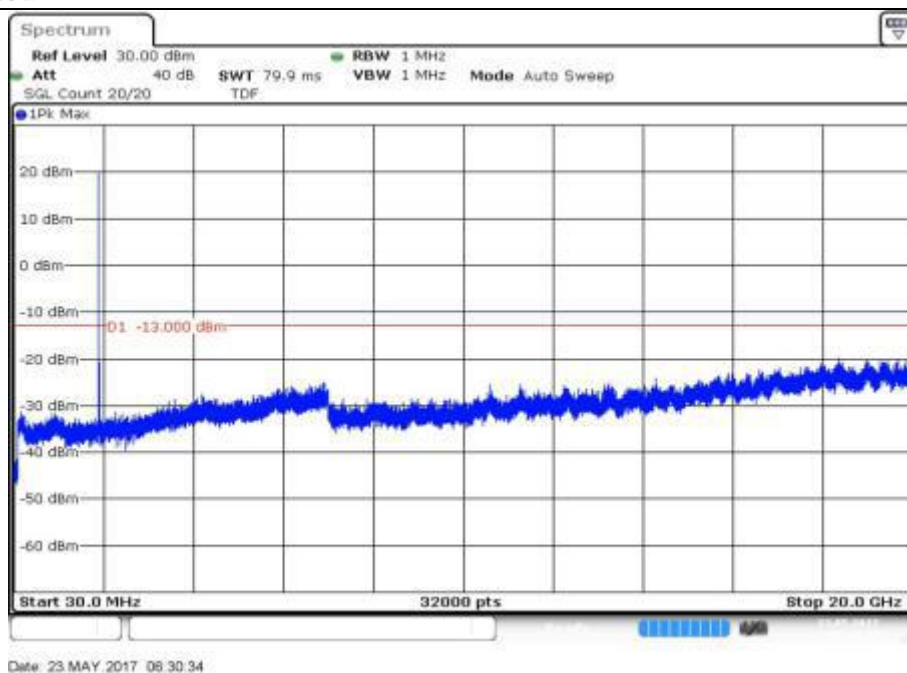


Fig.7

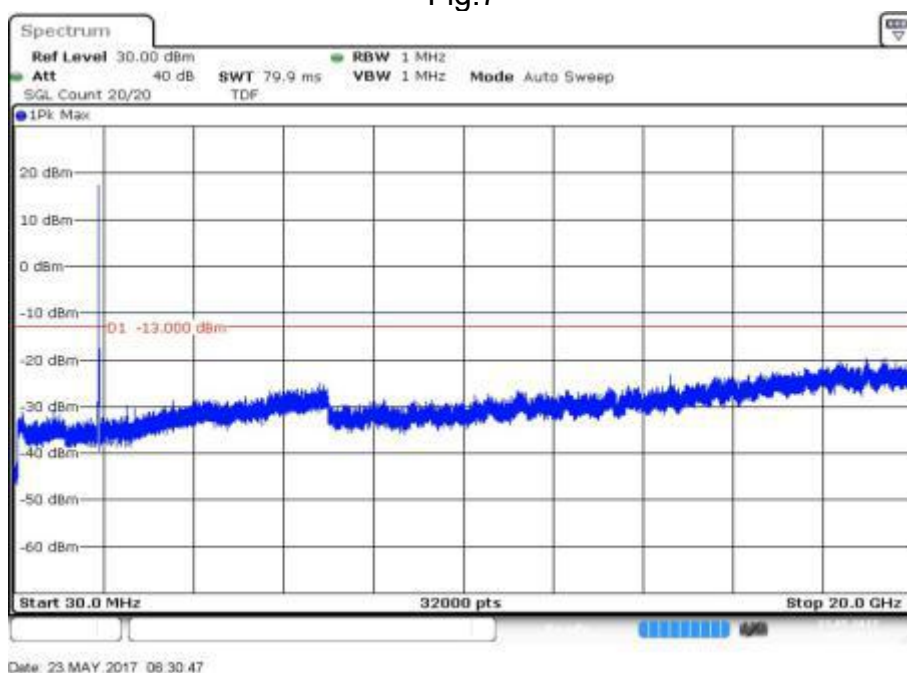


Fig.8

| Band | Carrier frequency (MHz) | Channel (Low) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|---------------|----|---------|-----------|-------------------------|--------|
|      |                         |               |    |         |           | QPSK                    | 16-QAM |
| 2    | 1857.5                  | 18675         | 15 | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |               |    | 1       | 74        | Fig.2                   | Fig.6  |
|      |                         |               |    | 40      | 18        | Fig.3                   | Fig.7  |
|      |                         |               |    | 75      | 0         | Fig.4                   | Fig.8  |

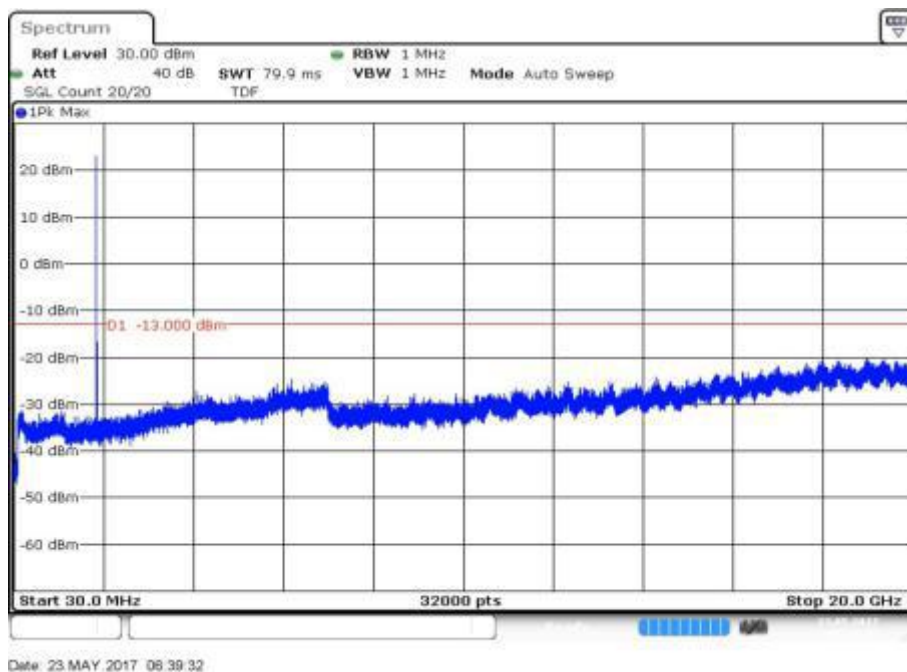


Fig.1

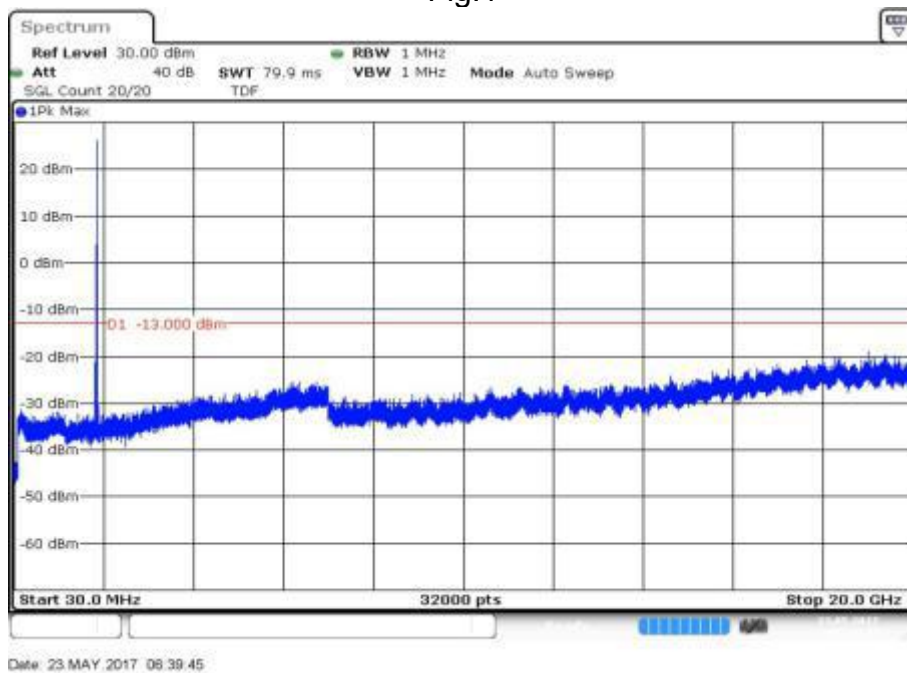


Fig.2

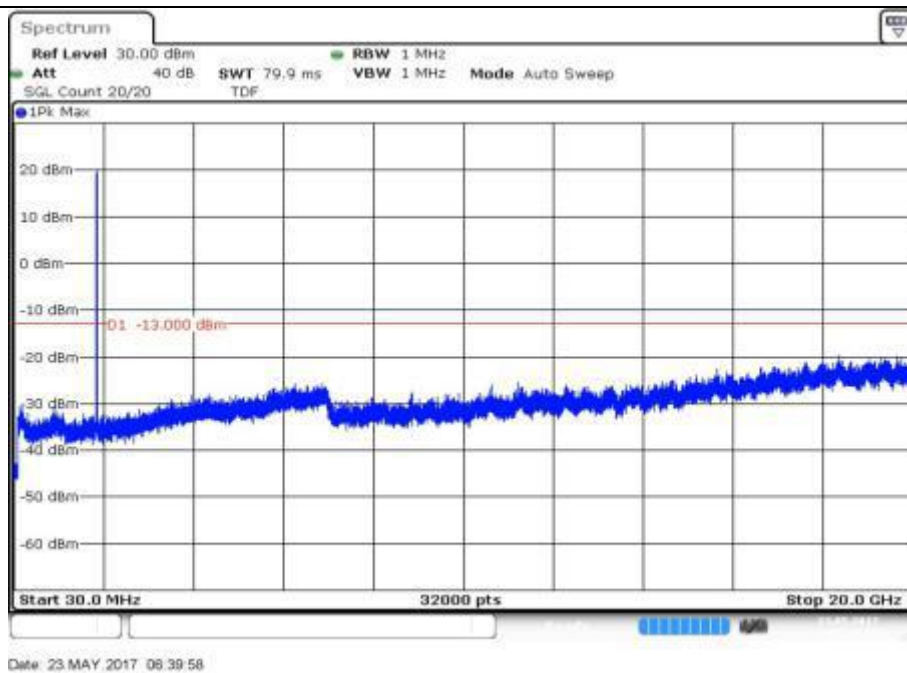


Fig.3

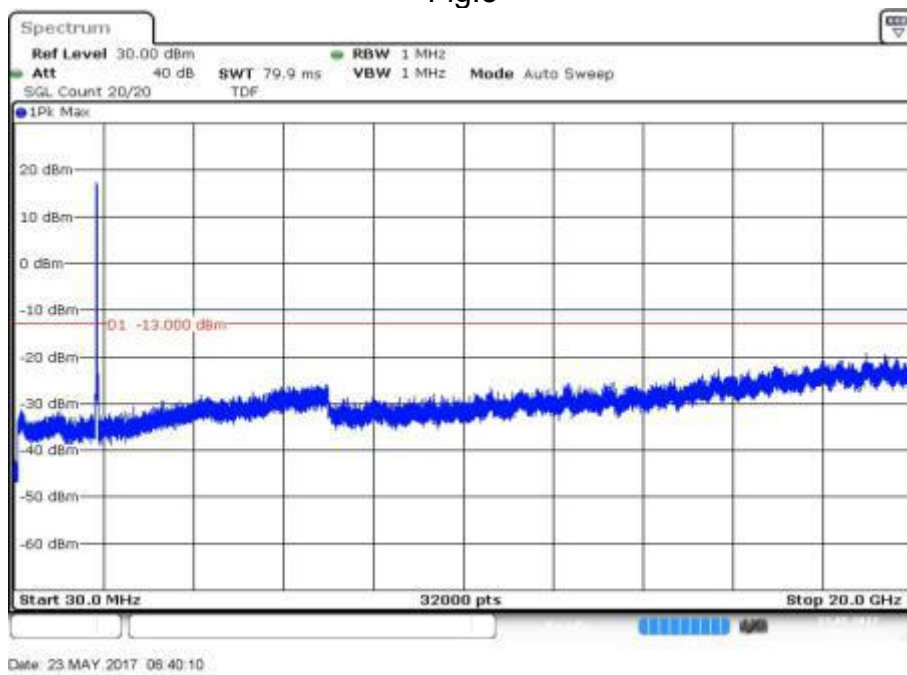


Fig.4

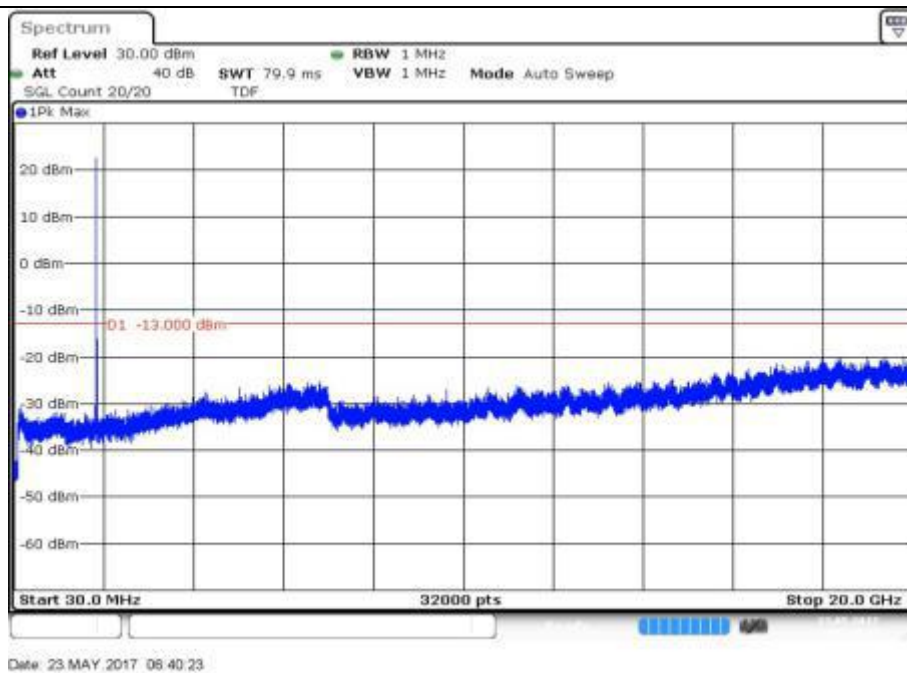


Fig.5

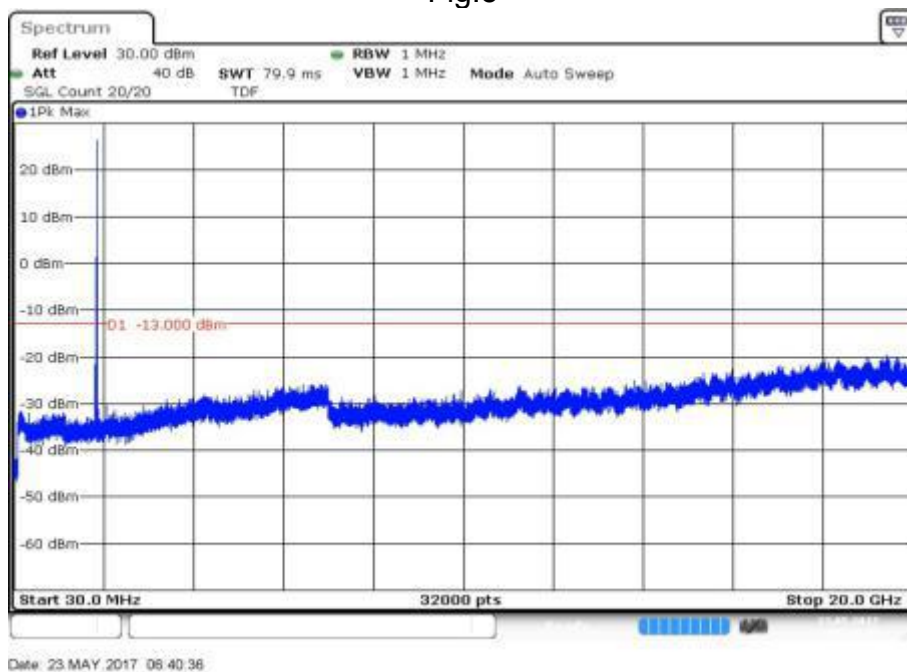


Fig.6

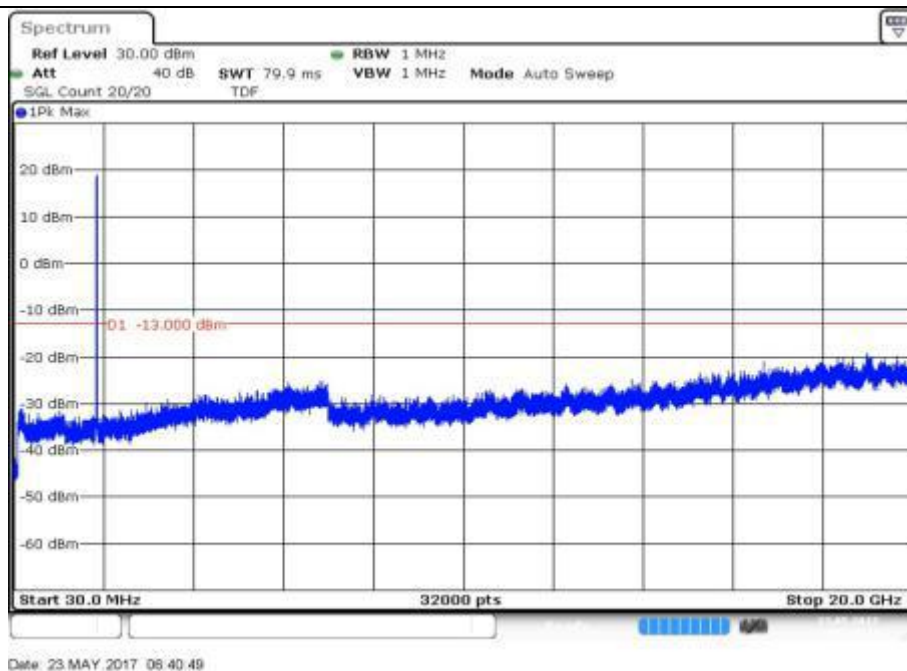


Fig.7

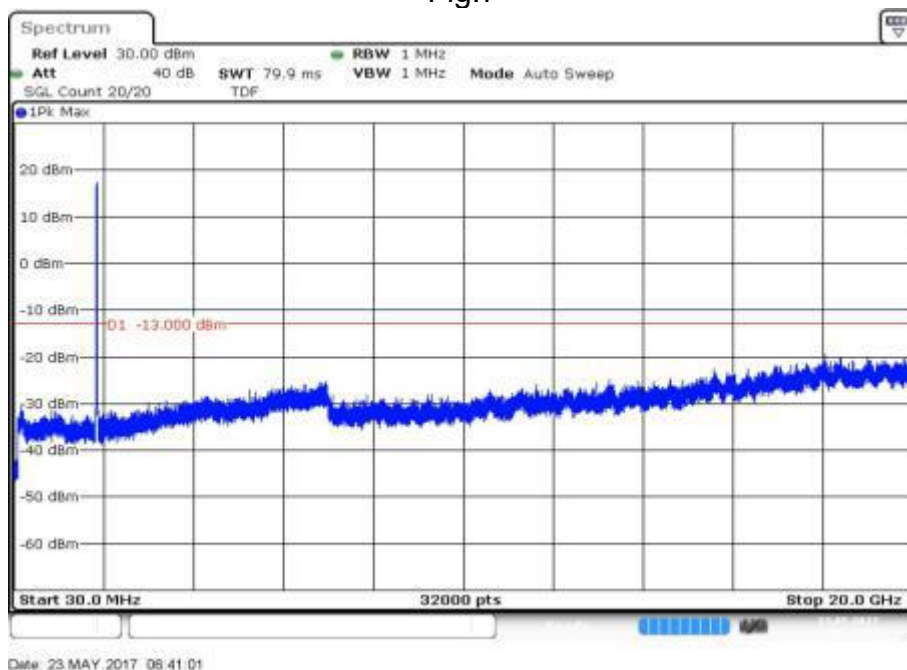


Fig.8

| Band | Carrier frequency (MHz) | Channel (Mid) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|---------------|----|---------|-----------|-------------------------|--------|
|      |                         |               |    |         |           | QPSK                    | 16-QAM |
| 2    | 1880                    | 18900         | 15 | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |               |    | 1       | 74        | Fig.2                   | Fig.6  |
|      |                         |               |    | 40      | 18        | Fig.3                   | Fig.7  |
|      |                         |               |    | 75      | 0         | Fig.4                   | Fig.8  |

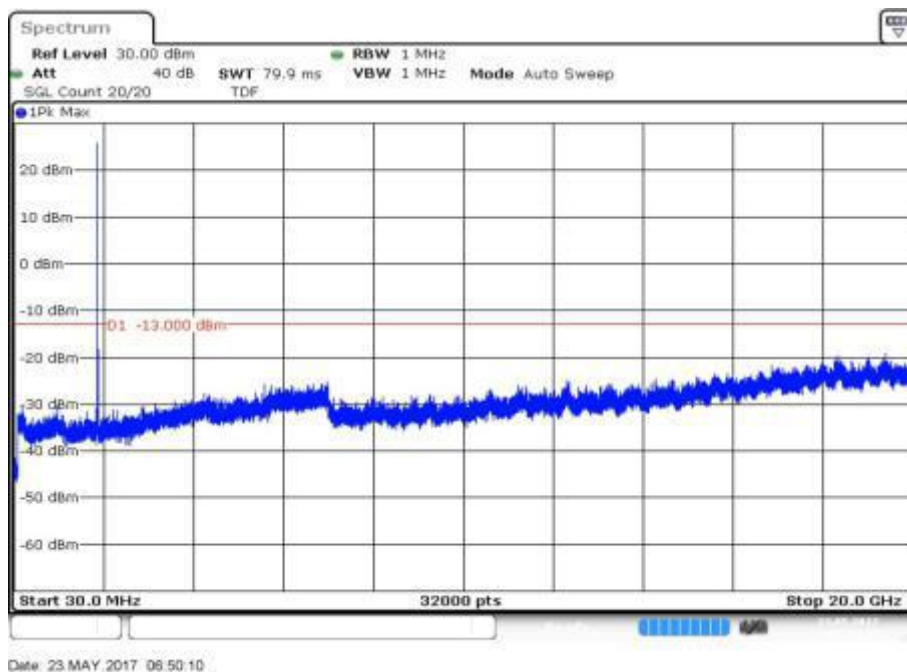


Fig.1

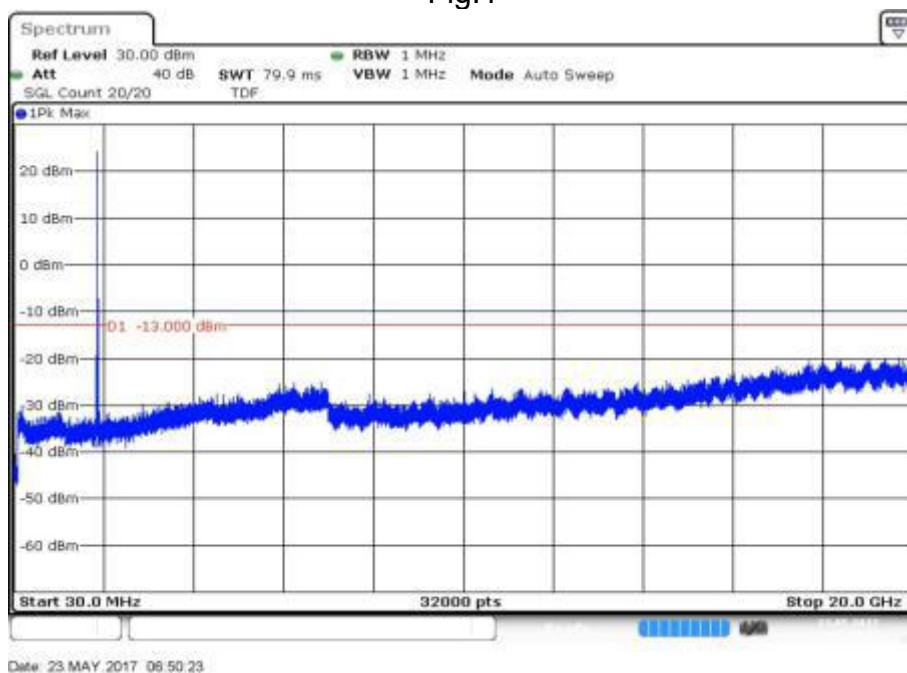


Fig.2

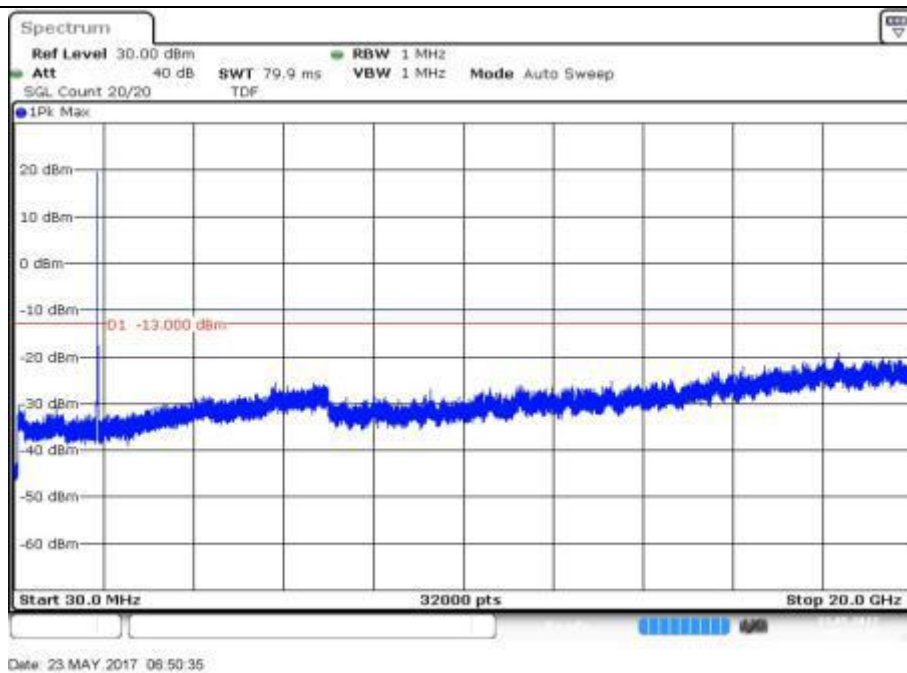


Fig.3

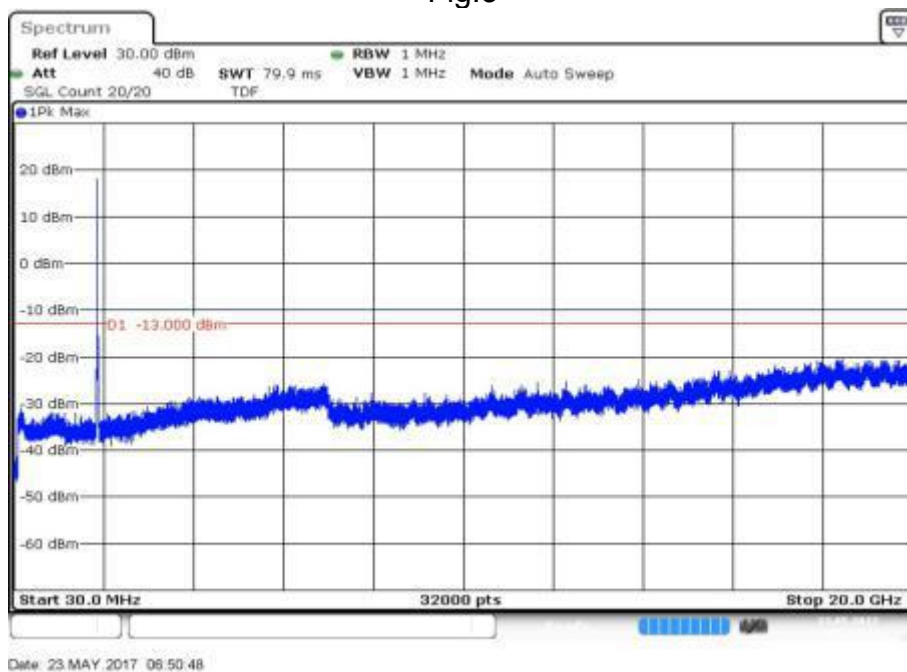


Fig.4

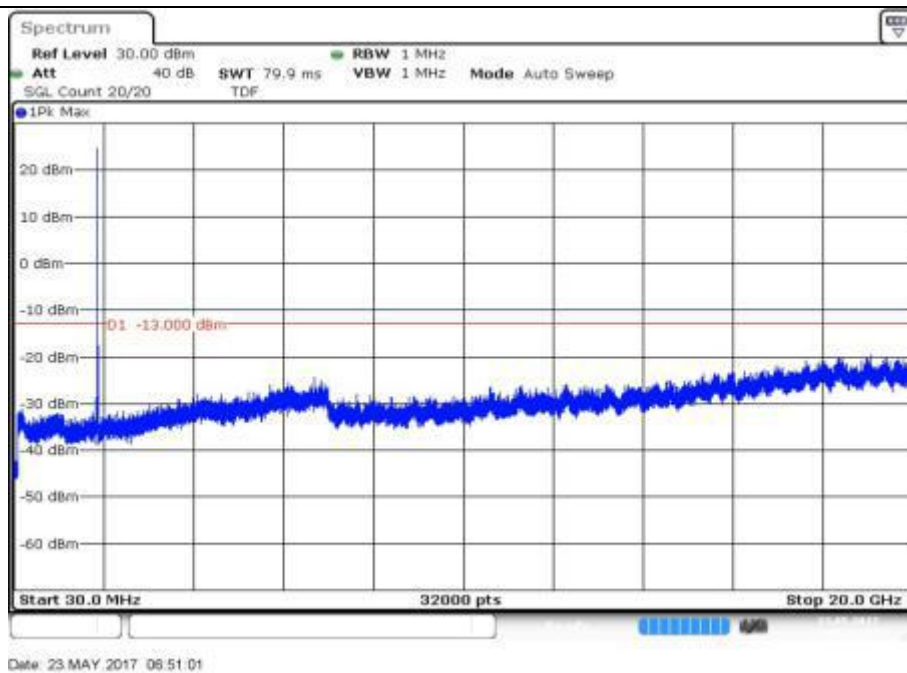


Fig.5

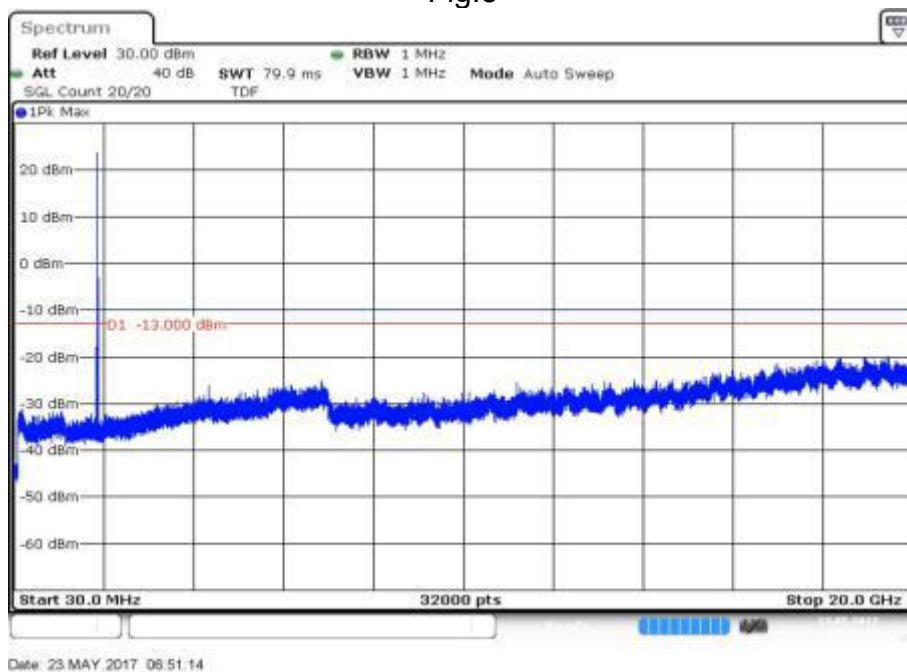


Fig.6

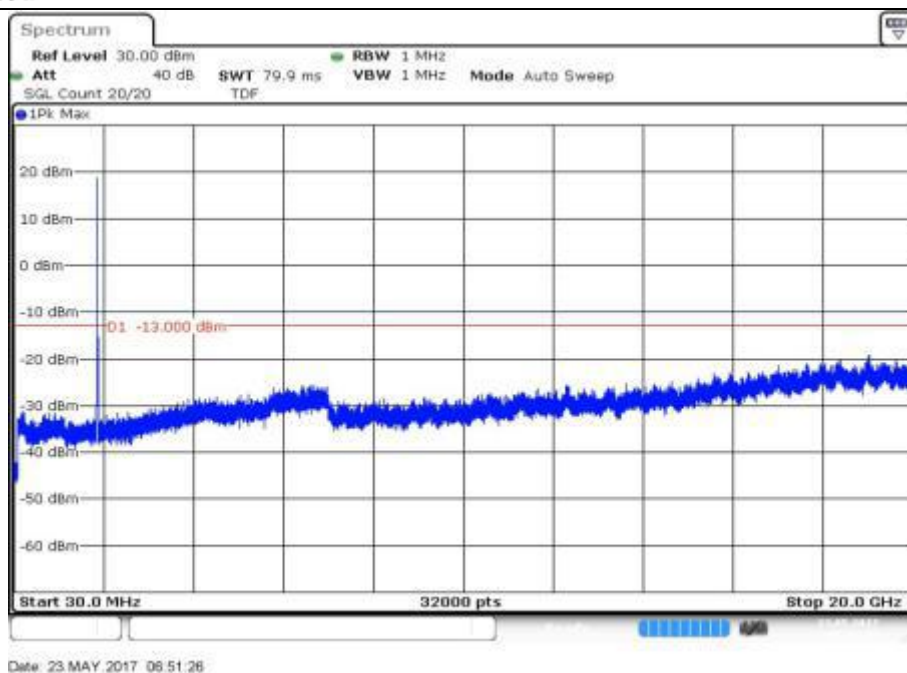


Fig.7

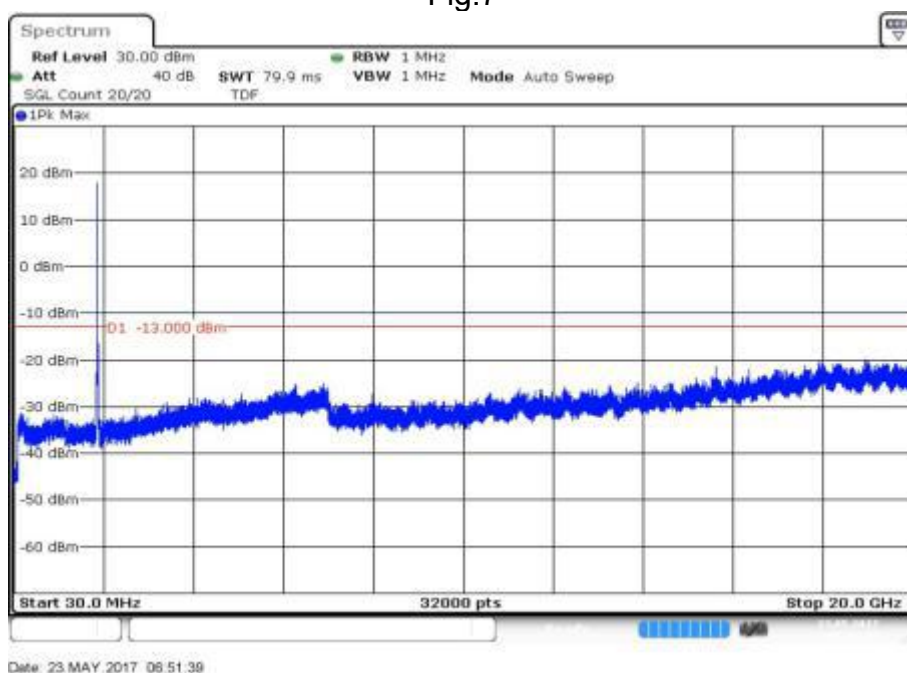


Fig.8

| Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|----------------|----|---------|-----------|-------------------------|--------|
|      |                         |                |    |         |           | QPSK                    | 16-QAM |
| 2    | 1902.5                  | 19125          | 15 | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |                |    | 1       | 74        | Fig.2                   | Fig.6  |
|      |                         |                |    | 40      | 18        | Fig.3                   | Fig.7  |
|      |                         |                |    | 75      | 0         | Fig.4                   | Fig.8  |

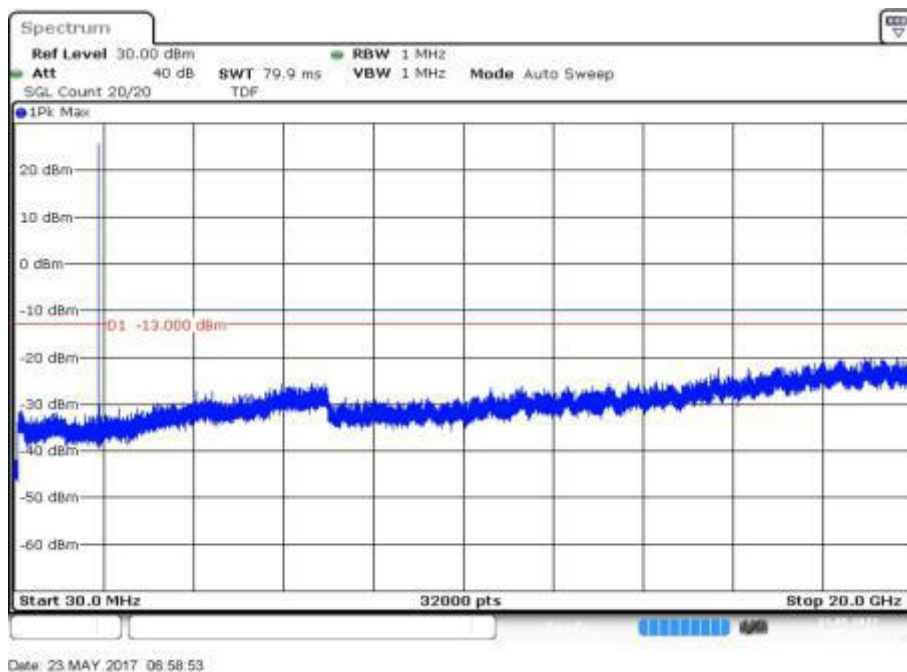


Fig.1

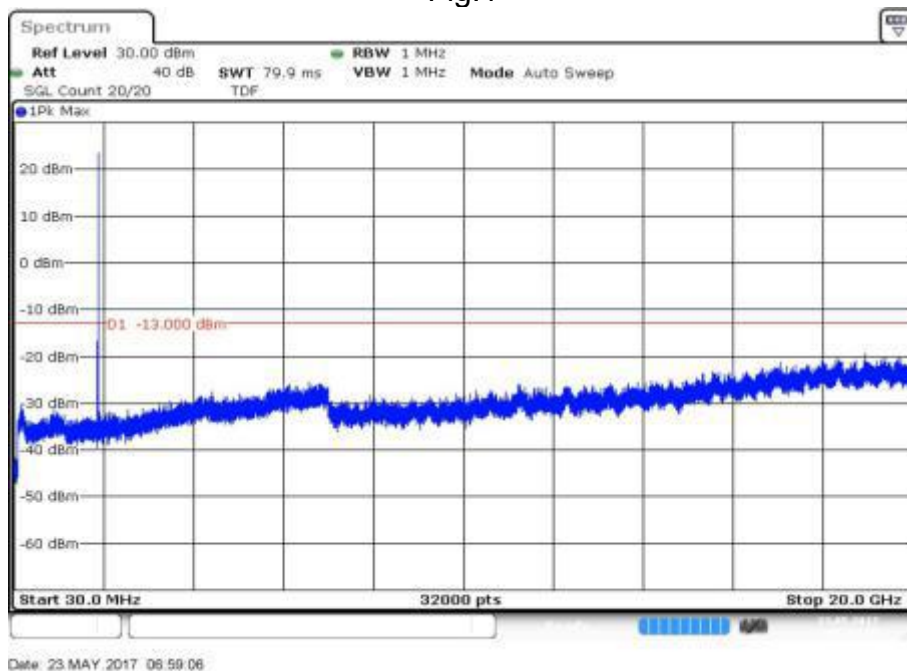


Fig.2

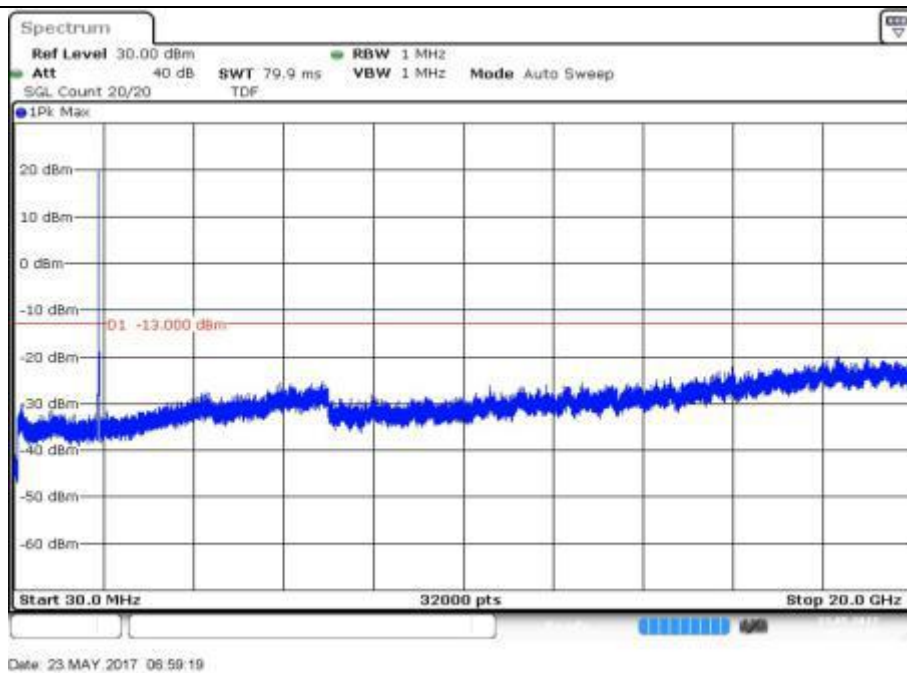


Fig.3

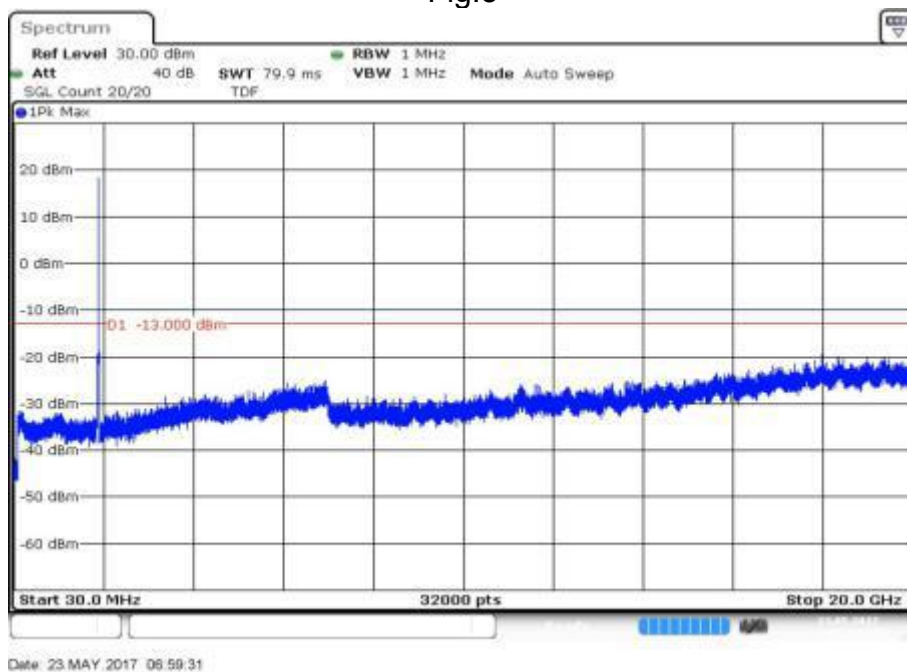


Fig.4

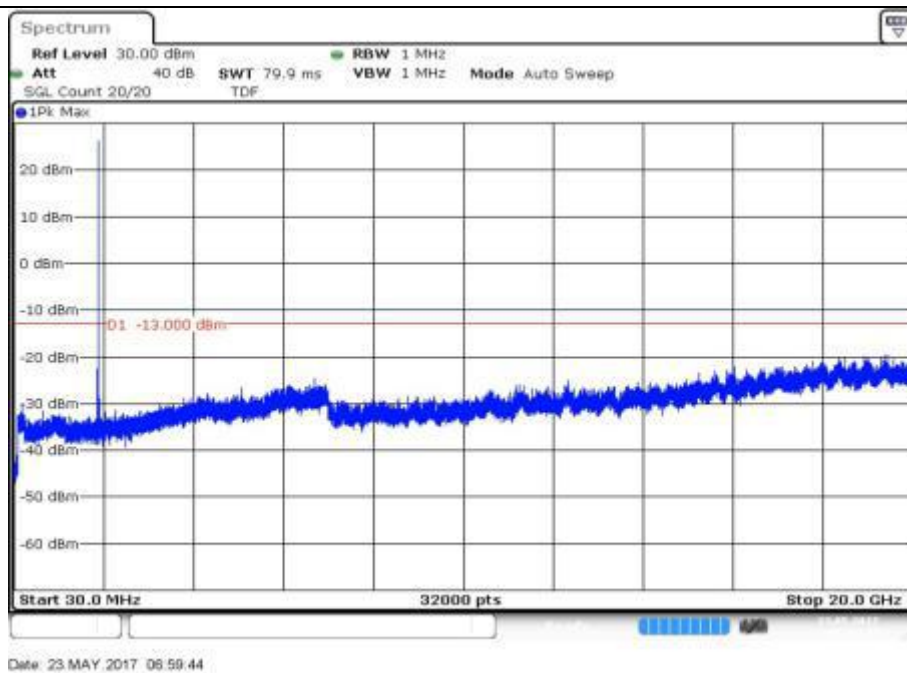


Fig.5

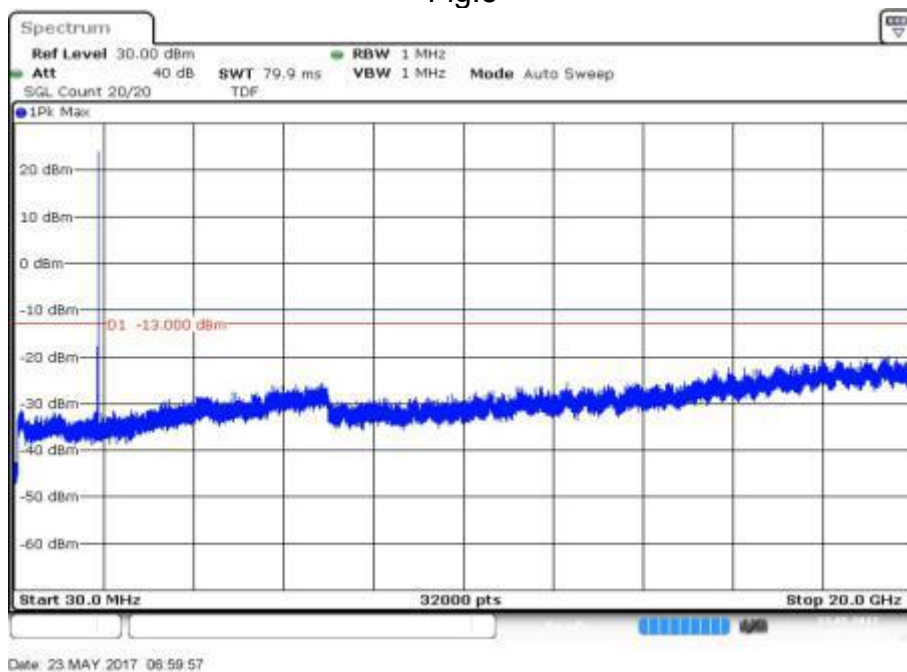


Fig.6

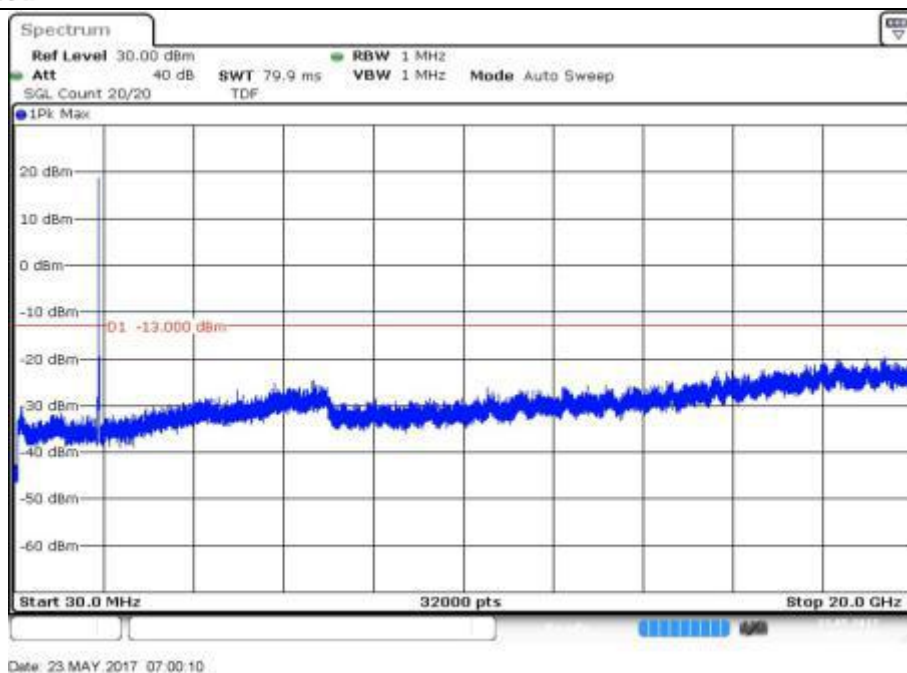


Fig.7

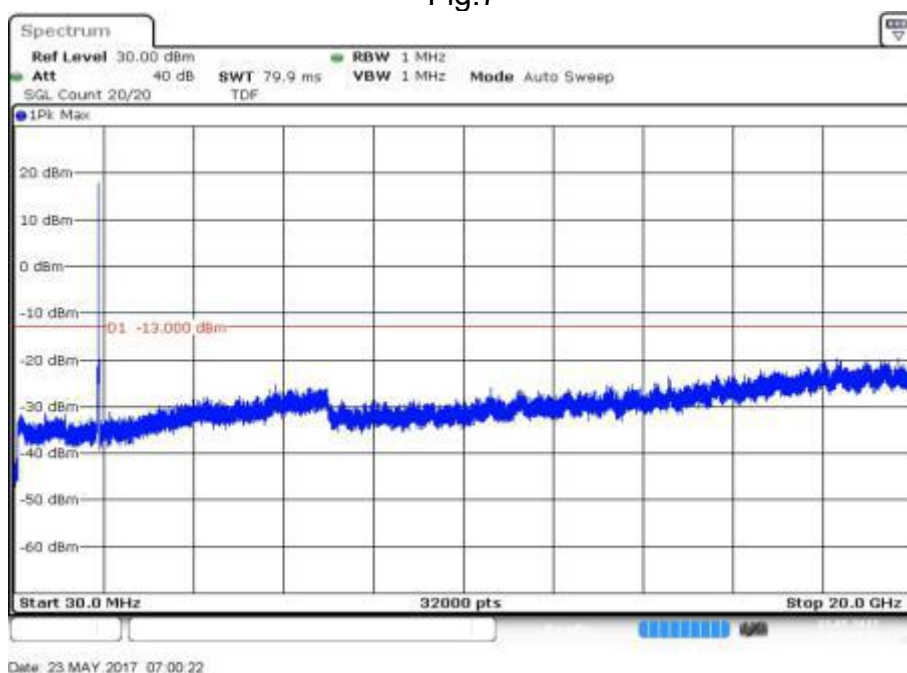


Fig.8

| Band | Carrier frequency (MHz) | Channel (Low) | BW | RB Size | RB Offset | Conducted Spurious Plot |        |
|------|-------------------------|---------------|----|---------|-----------|-------------------------|--------|
|      |                         |               |    |         |           | QPSK                    | 16-QAM |
| 2    | 1860                    | 18700         | 20 | 1       | 0         | Fig.1                   | Fig.5  |
|      |                         |               |    | 1       | 99        | Fig.2                   | Fig.6  |
|      |                         |               |    | 50      | 25        | Fig.3                   | Fig.7  |
|      |                         |               |    | 100     | 0         | Fig.4                   | Fig.8  |

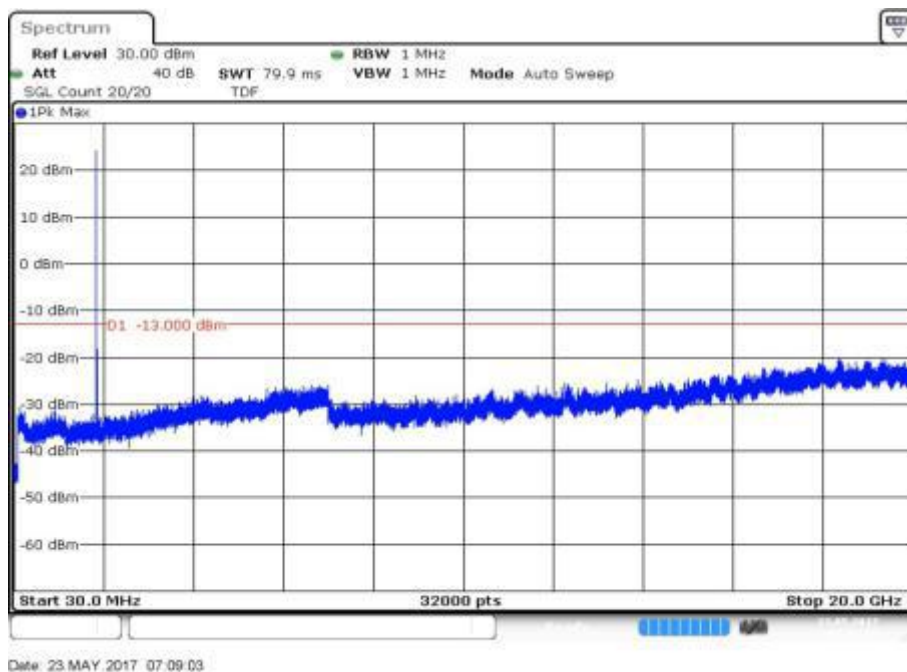


Fig.1

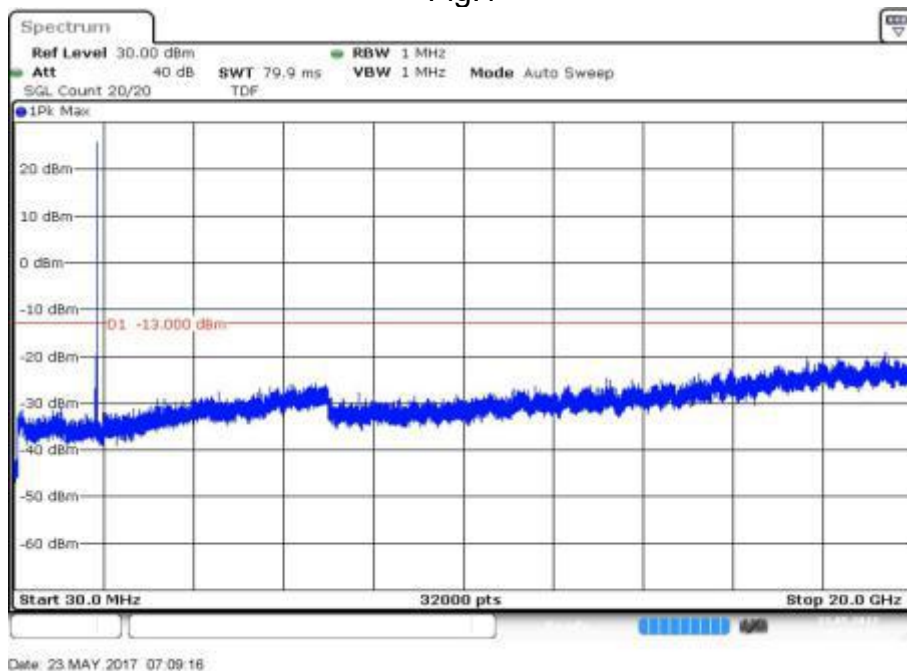


Fig.2