

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 7

RF Power Output

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 2502.5                  | 20775      | 5  | 1       | 0         | 22.23                 |
|            |                         |            |    | 1       | 24        | 22.26                 |
|            |                         |            |    | 12      | 6         | 21.16                 |
|            |                         |            |    | 25      | 0         | 21.18                 |
|            | 2535                    | 21100      |    | 1       | 0         | 21.96                 |
|            |                         |            |    | 1       | 24        | 22.11                 |
|            |                         |            |    | 12      | 6         | 21.19                 |
|            |                         |            |    | 25      | 0         | 21.02                 |
|            | 2567.5                  | 21425      |    | 1       | 0         | 21.71                 |
|            |                         |            |    | 1       | 24        | 21.72                 |
|            |                         |            |    | 12      | 6         | 20.92                 |
|            |                         |            |    | 25      | 0         | 20.78                 |
| 16QAM      | 2502.5                  | 20775      | 5  | 1       | 0         | 21.31                 |
|            |                         |            |    | 1       | 24        | 21.30                 |
|            |                         |            |    | 12      | 6         | 20.34                 |
|            |                         |            |    | 25      | 0         | 20.32                 |
|            | 2535                    | 21100      |    | 1       | 0         | 21.50                 |
|            |                         |            |    | 1       | 24        | 21.56                 |
|            |                         |            |    | 12      | 6         | 20.31                 |
|            |                         |            |    | 25      | 0         | 20.24                 |
|            | 2567.5                  | 21425      |    | 1       | 0         | 21.52                 |
|            |                         |            |    | 1       | 24        | 21.41                 |
|            |                         |            |    | 12      | 6         | 19.94                 |
|            |                         |            |    | 25      | 0         | 19.95                 |
| 64QAM      | 2502.5                  | 20775      | 5  | 1       | 0         | 21.21                 |
|            |                         |            |    | 1       | 24        | 21.15                 |
|            |                         |            |    | 12      | 6         | 20.23                 |
|            |                         |            |    | 25      | 0         | 20.28                 |
|            | 2535                    | 21100      |    | 1       | 0         | 21.42                 |
|            |                         |            |    | 1       | 24        | 21.41                 |
|            |                         |            |    | 12      | 6         | 20.32                 |
|            |                         |            |    | 25      | 0         | 20.23                 |
|            | 2567.5                  | 21425      |    | 1       | 0         | 21.42                 |
|            |                         |            |    | 1       | 24        | 21.44                 |
|            |                         |            |    | 12      | 6         | 19.94                 |
|            |                         |            |    | 25      | 0         | 19.91                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 2505                    | 20800      | 10 | 1       | 0         | 22.19                 |
|            |                         |            |    | 1       | 49        | 22.28                 |
|            |                         |            |    | 24      | 12        | 21.21                 |
|            |                         |            |    | 50      | 0         | 21.18                 |
|            | 2535                    | 21100      |    | 1       | 0         | 21.95                 |
|            |                         |            |    | 1       | 49        | 22.01                 |
|            |                         |            |    | 24      | 12        | 21.12                 |
|            |                         |            |    | 50      | 0         | 21.12                 |
|            | 2565                    | 21400      |    | 1       | 0         | 21.82                 |
|            |                         |            |    | 1       | 49        | 21.69                 |
|            |                         |            |    | 24      | 12        | 20.91                 |
|            |                         |            |    | 50      | 0         | 20.75                 |
| 16QAM      | 2505                    | 20800      | 10 | 1       | 0         | 21.24                 |
|            |                         |            |    | 1       | 49        | 21.39                 |
|            |                         |            |    | 24      | 12        | 20.33                 |
|            |                         |            |    | 50      | 0         | 20.33                 |
|            | 2535                    | 21100      |    | 1       | 0         | 21.39                 |
|            |                         |            |    | 1       | 49        | 21.53                 |
|            |                         |            |    | 24      | 12        | 20.19                 |
|            |                         |            |    | 50      | 0         | 20.28                 |
|            | 2565                    | 21400      |    | 1       | 0         | 21.47                 |
|            |                         |            |    | 1       | 49        | 21.47                 |
|            |                         |            |    | 24      | 12        | 19.94                 |
|            |                         |            |    | 50      | 0         | 19.86                 |
| 64QAM      | 2505                    | 20800      | 10 | 1       | 0         | 21.23                 |
|            |                         |            |    | 1       | 49        | 21.19                 |
|            |                         |            |    | 24      | 12        | 20.29                 |
|            |                         |            |    | 50      | 0         | 20.27                 |
|            | 2535                    | 21100      |    | 1       | 0         | 21.52                 |
|            |                         |            |    | 1       | 49        | 21.38                 |
|            |                         |            |    | 24      | 12        | 20.28                 |
|            |                         |            |    | 50      | 0         | 20.25                 |
|            | 2565                    | 21400      |    | 1       | 0         | 21.44                 |
|            |                         |            |    | 1       | 49        | 21.37                 |
|            |                         |            |    | 24      | 12        | 19.97                 |
|            |                         |            |    | 50      | 0         | 19.87                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 2507.5                  | 20825      | 15 | 1       | 0         | 22.20                 |
|            |                         |            |    | 1       | 74        | 22.34                 |
|            |                         |            |    | 40      | 18        | 21.22                 |
|            |                         |            |    | 75      | 0         | 21.19                 |
|            | 2535                    | 21100      |    | 1       | 0         | 21.96                 |
|            |                         |            |    | 1       | 74        | 22.05                 |
|            |                         |            |    | 40      | 18        | 21.18                 |
|            |                         |            |    | 75      | 0         | 21.04                 |
|            | 2562.5                  | 21375      |    | 1       | 0         | 21.82                 |
|            |                         |            |    | 1       | 74        | 21.78                 |
|            |                         |            |    | 40      | 18        | 20.90                 |
|            |                         |            |    | 75      | 0         | 20.72                 |
| 16QAM      | 2507.5                  | 20825      | 15 | 1       | 0         | 21.23                 |
|            |                         |            |    | 1       | 74        | 21.39                 |
|            |                         |            |    | 40      | 18        | 20.33                 |
|            |                         |            |    | 75      | 0         | 20.35                 |
|            | 2535                    | 21100      |    | 1       | 0         | 21.44                 |
|            |                         |            |    | 1       | 74        | 21.45                 |
|            |                         |            |    | 40      | 18        | 20.26                 |
|            |                         |            |    | 75      | 0         | 20.23                 |
|            | 2562.5                  | 21375      |    | 1       | 0         | 21.54                 |
|            |                         |            |    | 1       | 74        | 21.47                 |
|            |                         |            |    | 40      | 18        | 20.00                 |
|            |                         |            |    | 75      | 0         | 19.82                 |
| 64QAM      | 2507.5                  | 20825      | 15 | 1       | 0         | 21.17                 |
|            |                         |            |    | 1       | 74        | 21.26                 |
|            |                         |            |    | 40      | 18        | 20.24                 |
|            |                         |            |    | 75      | 0         | 20.30                 |
|            | 2535                    | 21100      |    | 1       | 0         | 21.42                 |
|            |                         |            |    | 1       | 74        | 21.35                 |
|            |                         |            |    | 40      | 18        | 20.27                 |
|            |                         |            |    | 75      | 0         | 20.26                 |
|            | 2562.5                  | 21375      |    | 1       | 0         | 21.44                 |
|            |                         |            |    | 1       | 74        | 21.41                 |
|            |                         |            |    | 40      | 18        | 19.91                 |
|            |                         |            |    | 75      | 0         | 19.86                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 2510                    | 20850      | 20 | 1       | 0         | 22.26                 |
|            |                         |            |    | 1       | 99        | 22.41                 |
|            |                         |            |    | 50      | 25        | 21.30                 |
|            |                         |            |    | 100     | 0         | 21.27                 |
|            | 2535                    | 21100      |    | 1       | 0         | 22.04                 |
|            |                         |            |    | 1       | 99        | 22.15                 |
|            |                         |            |    | 50      | 25        | 21.24                 |
|            |                         |            |    | 100     | 0         | 21.16                 |
|            | 2560                    | 21350      |    | 1       | 0         | 21.83                 |
|            |                         |            |    | 1       | 99        | 21.81                 |
|            |                         |            |    | 50      | 25        | 20.94                 |
|            |                         |            |    | 100     | 0         | 20.86                 |
| 16QAM      | 2510                    | 20850      | 20 | 1       | 0         | 21.31                 |
|            |                         |            |    | 1       | 99        | 21.43                 |
|            |                         |            |    | 50      | 25        | 20.41                 |
|            |                         |            |    | 100     | 0         | 20.44                 |
|            | 2535                    | 21100      |    | 1       | 0         | 21.54                 |
|            |                         |            |    | 1       | 99        | 21.57                 |
|            |                         |            |    | 50      | 25        | 20.33                 |
|            |                         |            |    | 100     | 0         | 20.34                 |
|            | 2560                    | 21350      |    | 1       | 0         | 21.56                 |
|            |                         |            |    | 1       | 99        | 21.55                 |
|            |                         |            |    | 50      | 25        | 20.04                 |
|            |                         |            |    | 100     | 0         | 19.95                 |
| 64QAM      | 2510                    | 20850      | 20 | 1       | 0         | 21.32                 |
|            |                         |            |    | 1       | 99        | 21.28                 |
|            |                         |            |    | 50      | 25        | 20.37                 |
|            |                         |            |    | 100     | 0         | 20.36                 |
|            | 2535                    | 21100      |    | 1       | 0         | 21.56                 |
|            |                         |            |    | 1       | 99        | 21.49                 |
|            |                         |            |    | 50      | 25        | 20.32                 |
|            |                         |            |    | 100     | 0         | 20.29                 |
|            | 2560                    | 21350      |    | 1       | 0         | 21.47                 |
|            |                         |            |    | 1       | 99        | 21.46                 |
|            |                         |            |    | 50      | 25        | 19.98                 |
|            |                         |            |    | 100     | 0         | 19.96                 |

Occupied Bandwidth  
Test result

| Band | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) |        |        |        |        |        |
|------|-------------------------|---------|----------|---------|-----------|------------------------------|--------|--------|--------|--------|--------|
|      |                         |         |          |         |           | QPSK                         |        | 16-QAM |        | 64-QAM |        |
| 7    | 2502.5                  | 20775   | 5        | 25      | 0         | 4.515                        | Fig.1  | 4.515  | Fig.2  | 4.493  | Fig.3  |
|      | 2535                    | 21100   |          | 25      | 0         | 4.493                        | Fig.4  | 4.515  | Fig.5  | 4.515  | Fig.6  |
|      | 2567.5                  | 21425   |          | 25      | 0         | 4.515                        | Fig.7  | 4.515  | Fig.8  | 4.515  | Fig.9  |
|      | 2505                    | 20800   | 10       | 50      | 0         | 9.074                        | Fig.10 | 9.074  | Fig.11 | 9.074  | Fig.12 |
|      | 2535                    | 21100   |          | 50      | 0         | 9.030                        | Fig.13 | 9.074  | Fig.14 | 9.030  | Fig.15 |
|      | 2565                    | 21400   |          | 50      | 0         | 9.074                        | Fig.16 | 9.074  | Fig.17 | 9.074  | Fig.18 |
|      | 2507.5                  | 20825   | 15       | 75      | 0         | 13.480                       | Fig.19 | 13.546 | Fig.20 | 13.480 | Fig.21 |
|      | 2535                    | 21100   |          | 75      | 0         | 13.415                       | Fig.22 | 13.546 | Fig.23 | 13.546 | Fig.24 |
|      | 2562.5                  | 21375   |          | 75      | 0         | 13.480                       | Fig.25 | 13.480 | Fig.26 | 13.480 | Fig.27 |
|      | 2510                    | 20850   | 20       | 100     | 0         | 17.974                       | Fig.28 | 17.887 | Fig.29 | 17.887 | Fig.30 |
|      | 2535                    | 21100   |          | 100     | 0         | 17.887                       | Fig.31 | 17.887 | Fig.32 | 17.887 | Fig.33 |
|      | 2560                    | 21350   |          | 100     | 0         | 17.974                       | Fig.34 | 17.887 | Fig.35 | 17.887 | Fig.36 |

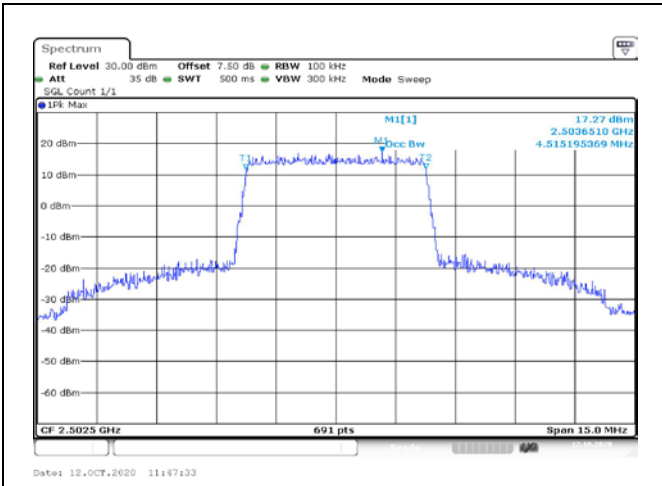


Fig.1

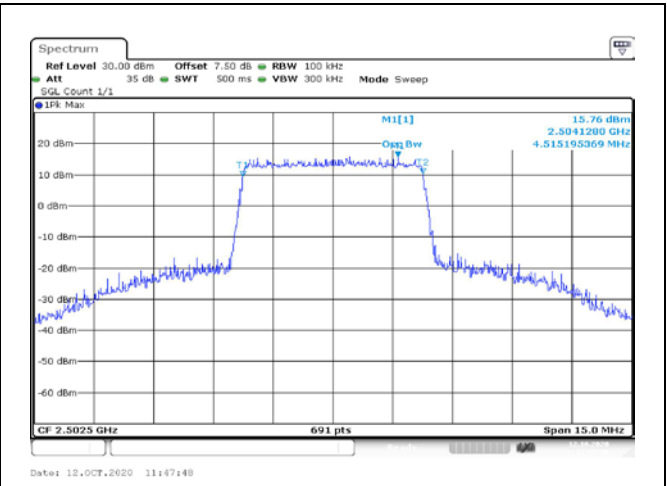


Fig.2

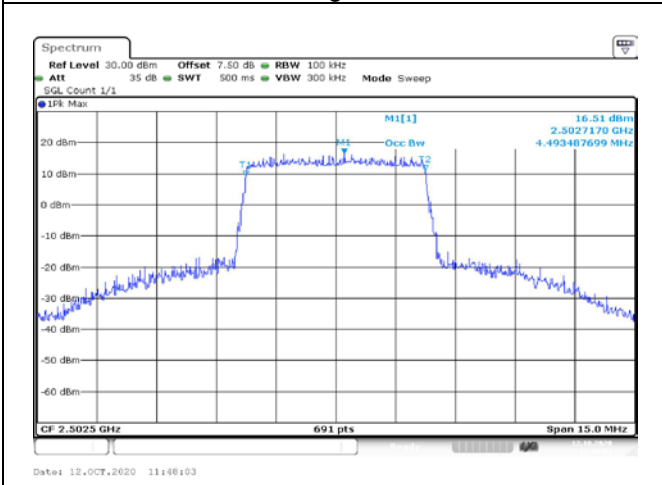


Fig.3

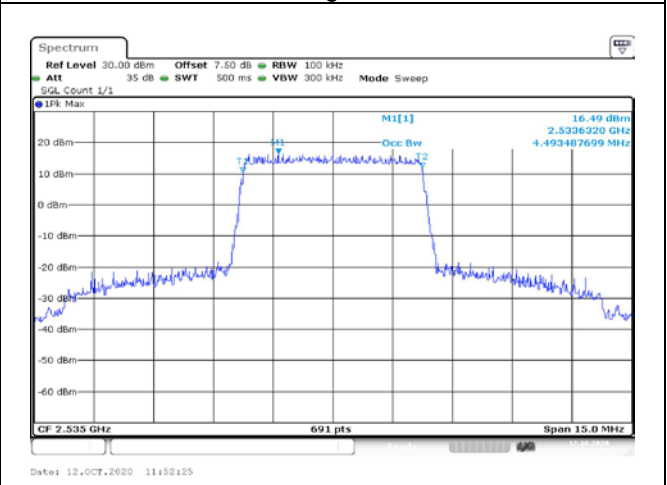


Fig.4

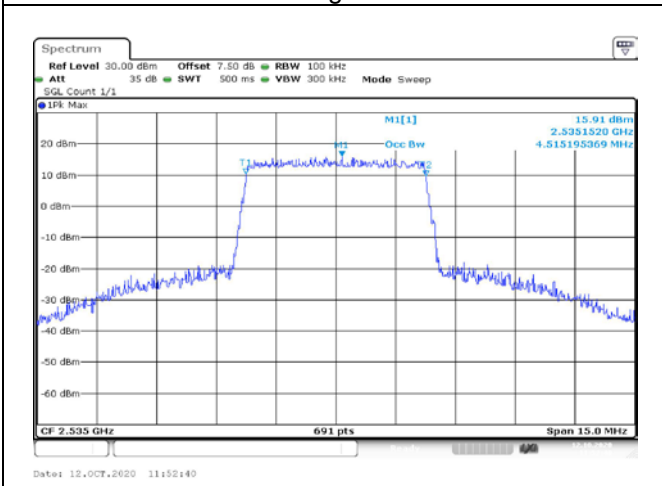


Fig.5

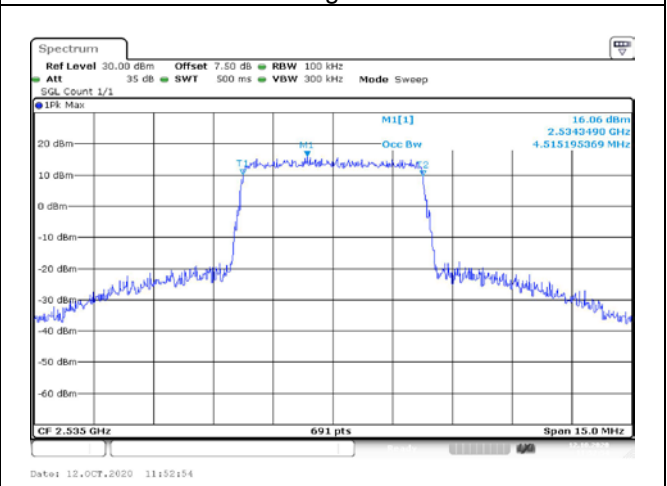


Fig.6

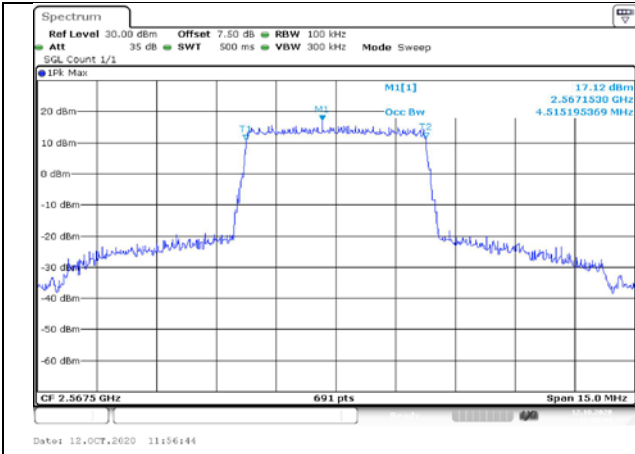


Fig.7

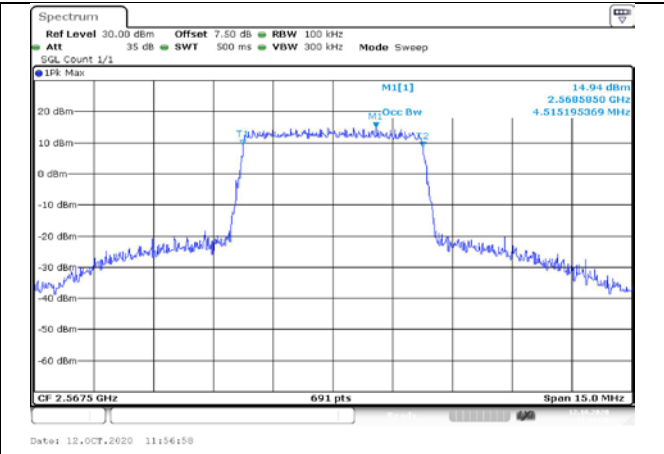


Fig.8

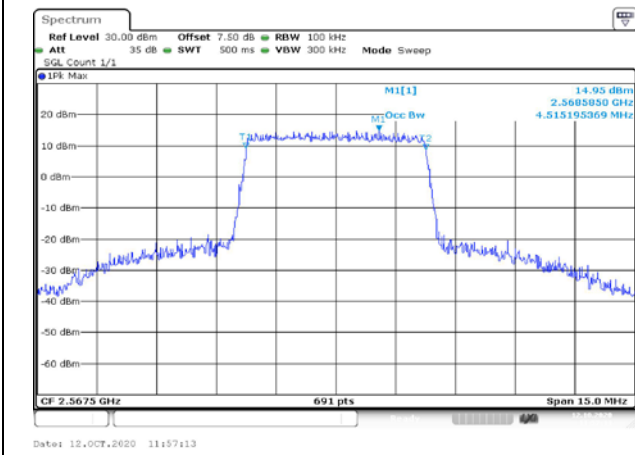


Fig.9

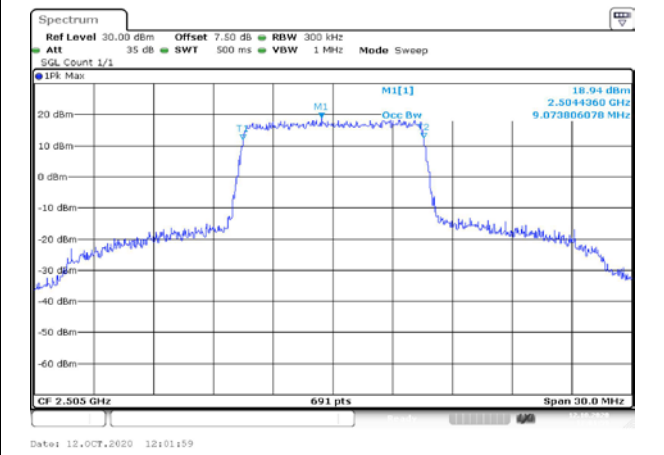


Fig.10

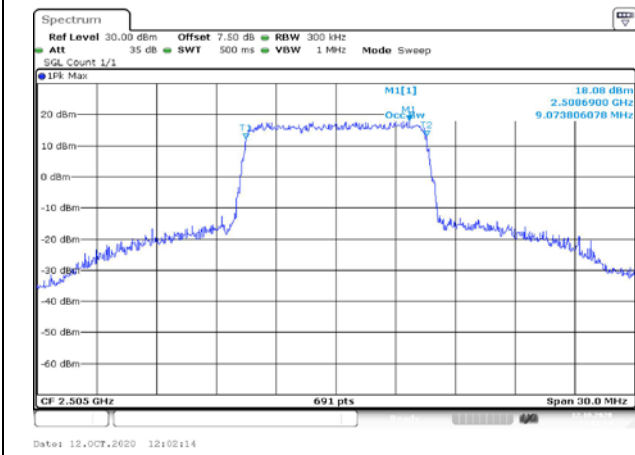


Fig.11

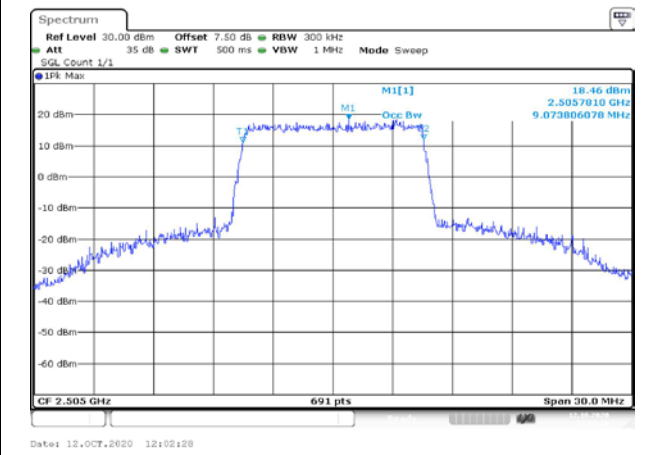


Fig.12

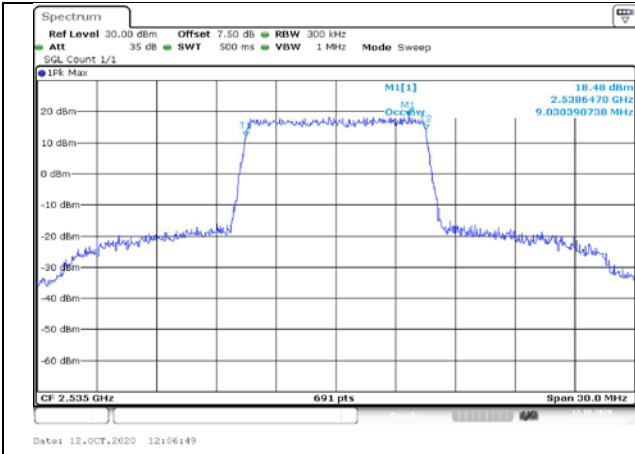


Fig.13

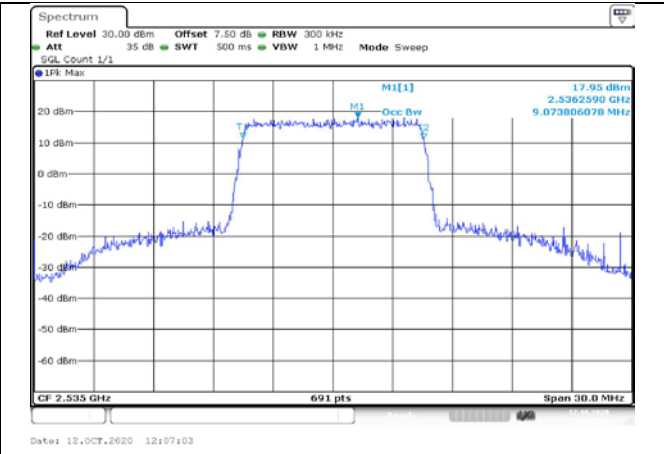


Fig.14

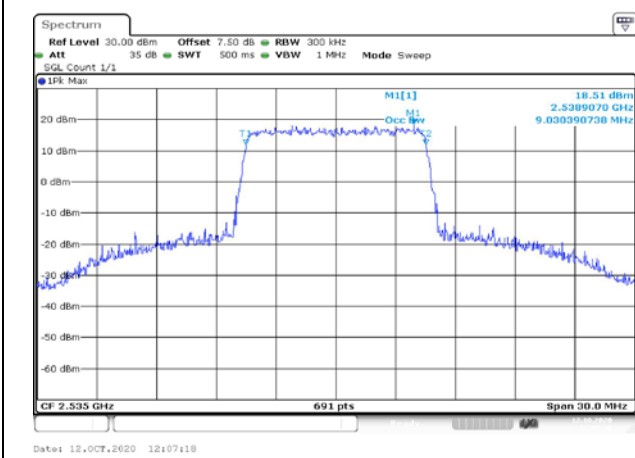


Fig.15

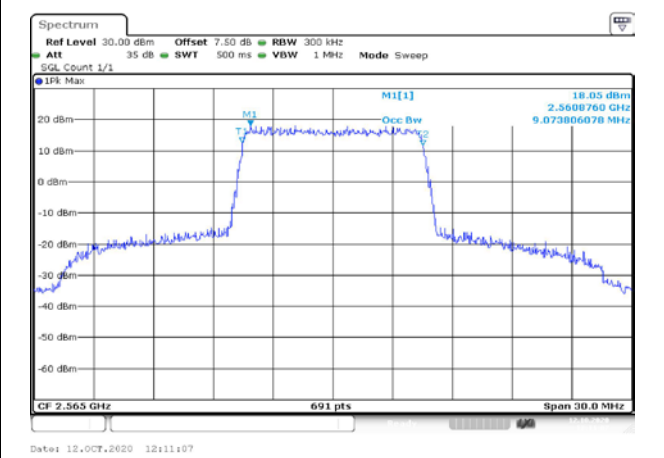


Fig.16

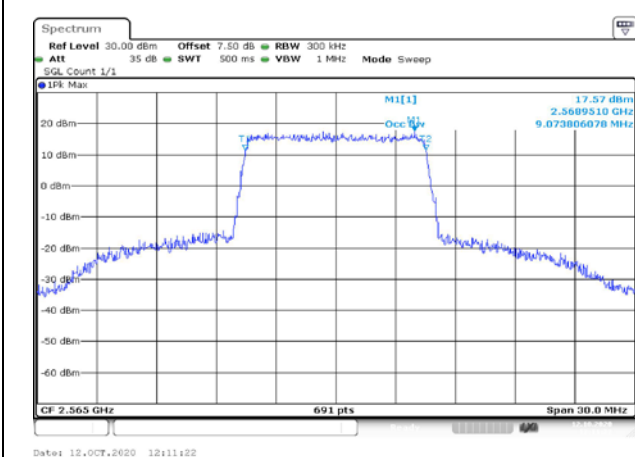


Fig.17

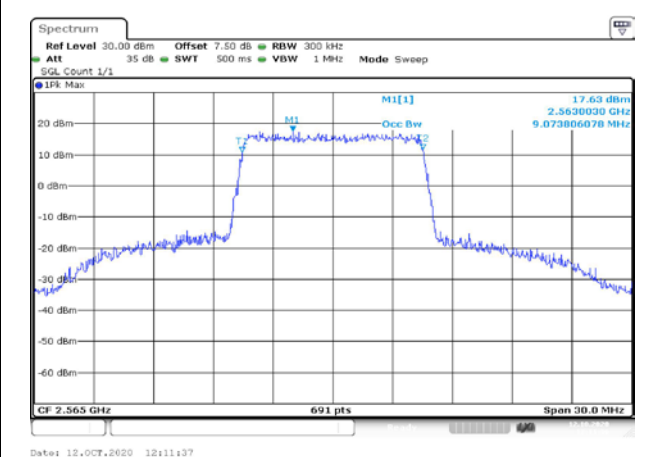


Fig.18



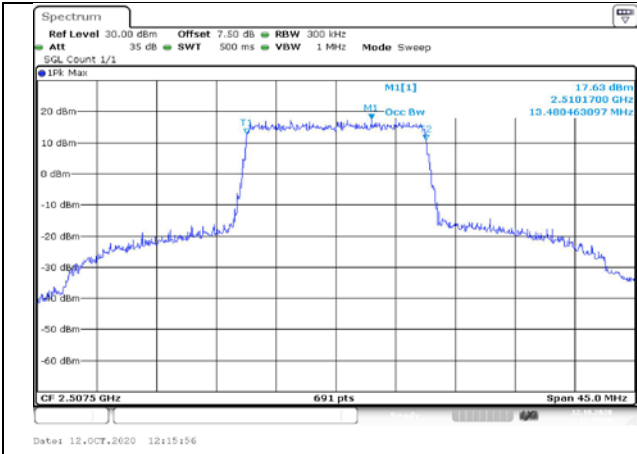


Fig.19

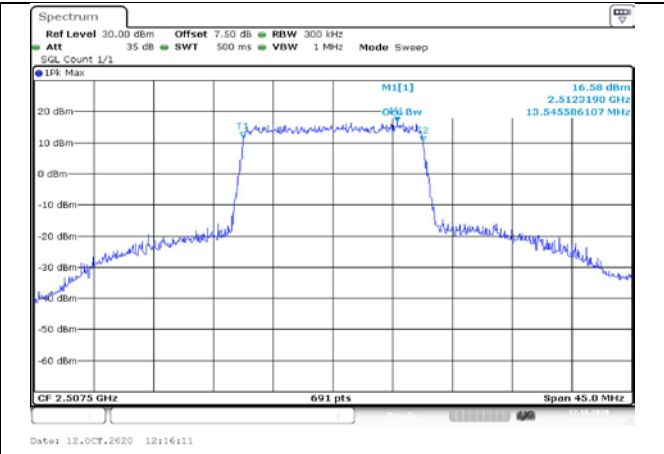


Fig.20

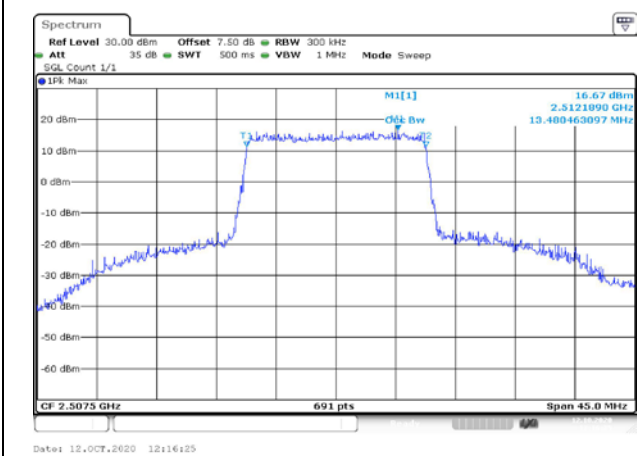


Fig.21

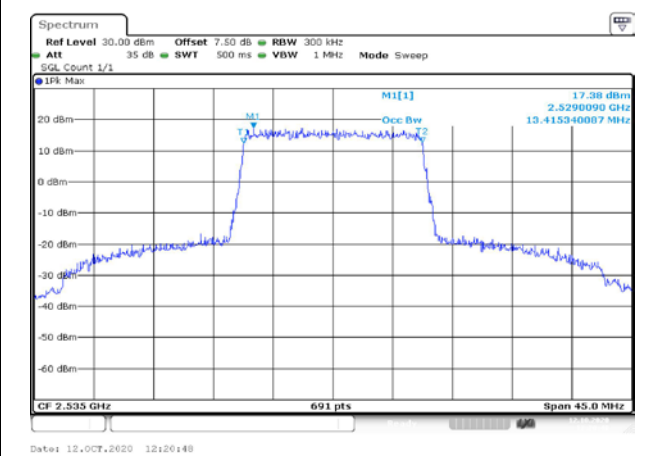


Fig.22

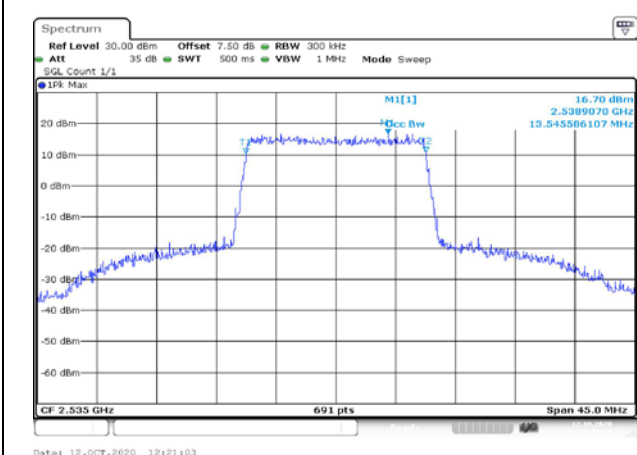


Fig.23

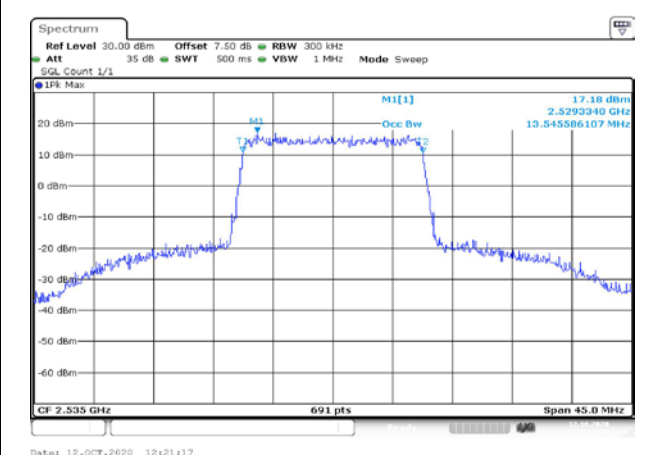


Fig.24

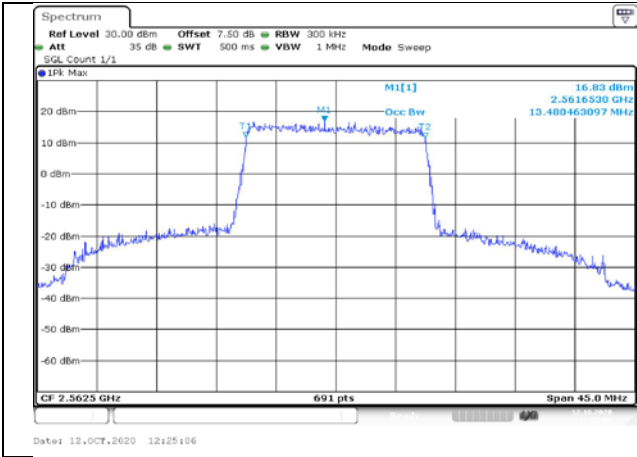


Fig.25

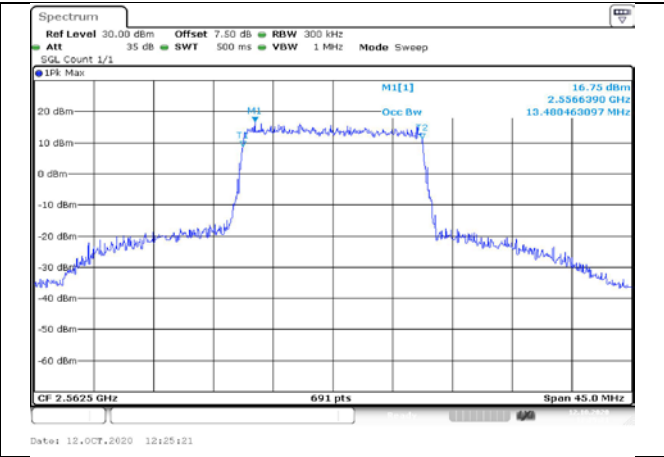


Fig.26

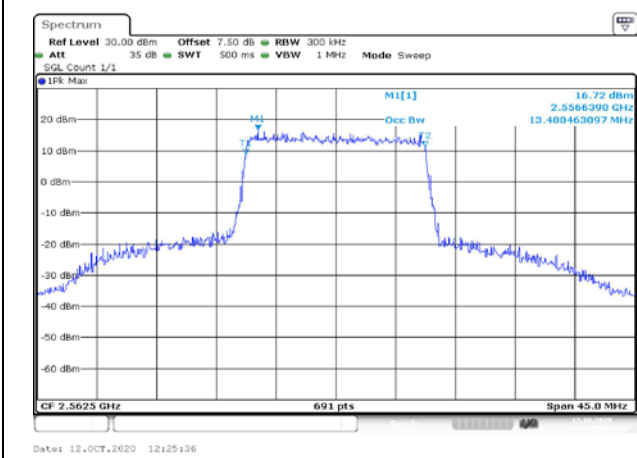


Fig.27

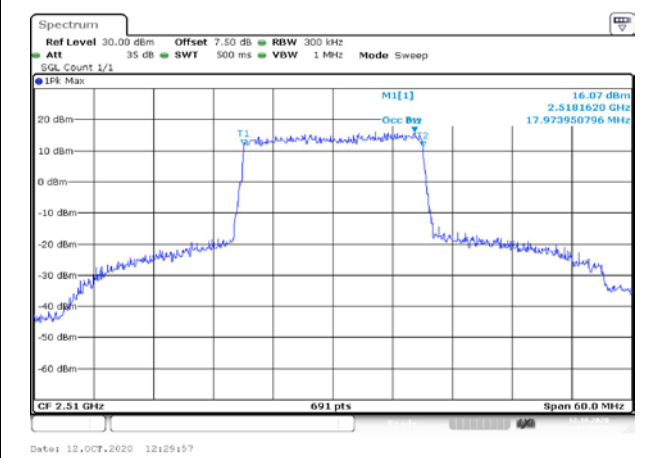


Fig.28

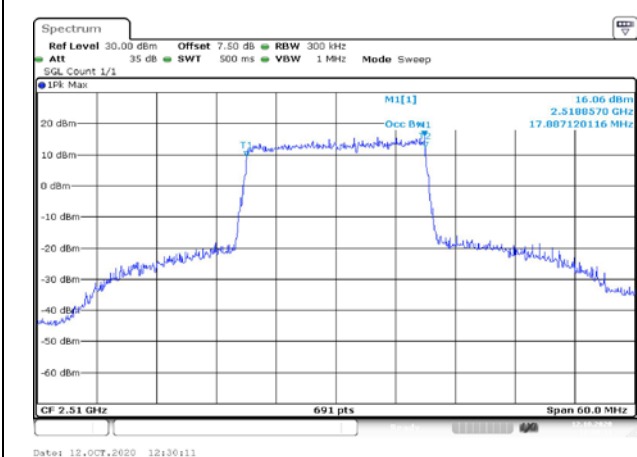


Fig.29

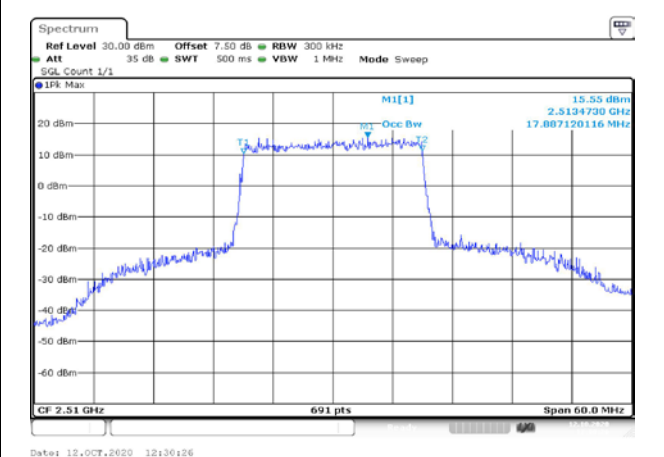


Fig.30

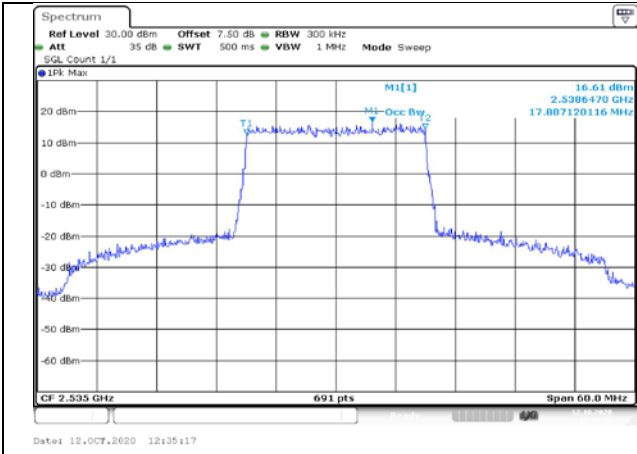


Fig.31

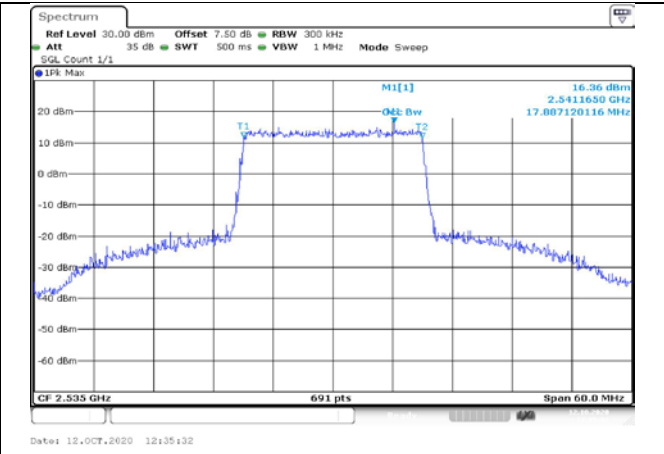


Fig.32

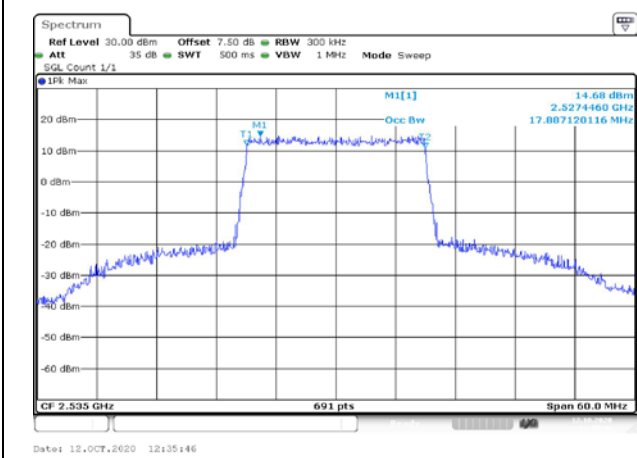


Fig.33

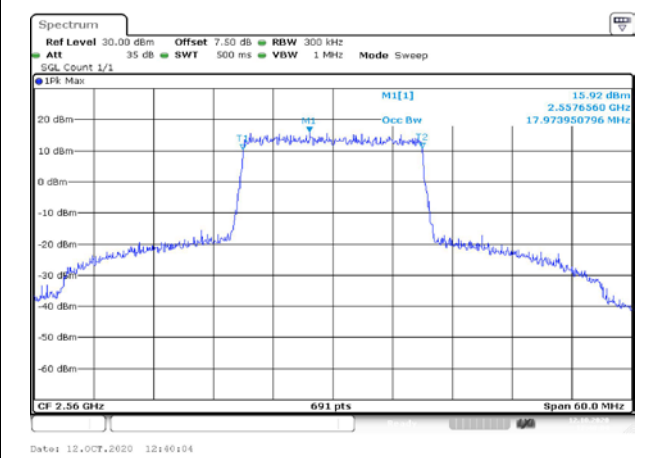


Fig.34

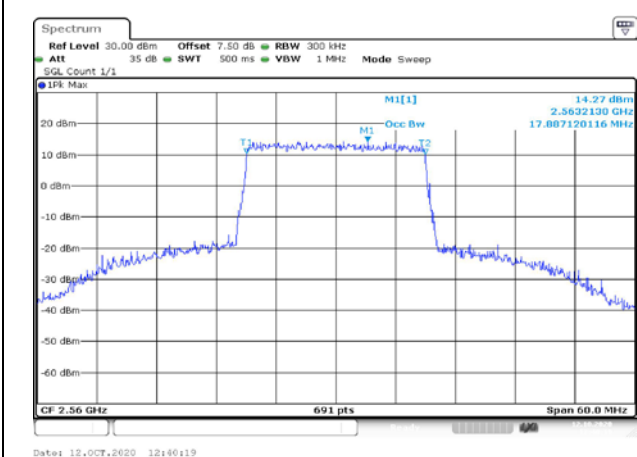


Fig.35

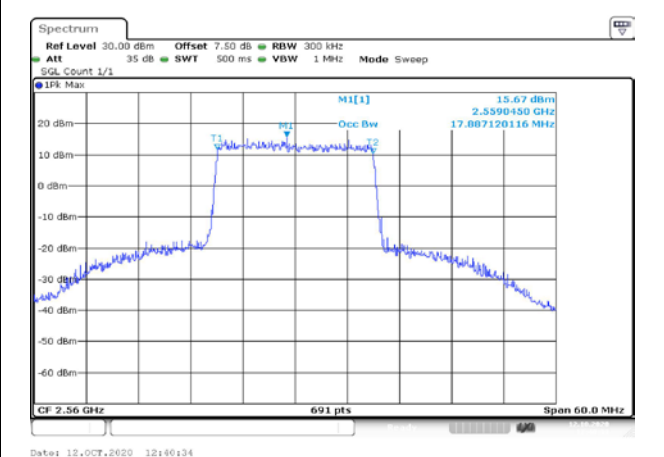


Fig.36

Emission Bandwidth  
Test result

| Band | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) |        |        |        |        |        |
|------|-------------------------|---------|----------|---------|-----------|--|--------|--------|--------|--------|--------|
|      |                         |         |          |         |           | QPSK                                       |        | 16-QAM |        | 64-QAM |        |
| 7    | 2502.5                  | 20775   | 5        | 25      | 0         | 4.928                                      | Fig.1  | 4.971  | Fig.2  | 4.949  | Fig.3  |
|      | 2535                    | 21100   |          | 25      | 0         | 4.928                                      | Fig.4  | 4.949  | Fig.5  | 4.971  | Fig.6  |
|      | 2567.5                  | 21425   |          | 25      | 0         | 4.971                                      | Fig.7  | 4.971  | Fig.8  | 4.928  | Fig.9  |
|      | 2505                    | 20800   | 10       | 50      | 0         | 9.986                                      | Fig.10 | 10.029 | Fig.11 | 9.986  | Fig.12 |
|      | 2535                    | 21100   |          | 50      | 0         | 10.072                                     | Fig.13 | 10.029 | Fig.14 | 9.942  | Fig.15 |
|      | 2565                    | 21400   |          | 50      | 0         | 10.029                                     | Fig.16 | 10.029 | Fig.17 | 10.029 | Fig.18 |
|      | 2507.5                  | 20825   | 15       | 75      | 0         | 14.978                                     | Fig.19 | 14.848 | Fig.20 | 14.913 | Fig.21 |
|      | 2535                    | 21100   |          | 75      | 0         | 14.783                                     | Fig.22 | 14.783 | Fig.23 | 14.783 | Fig.24 |
|      | 2562.5                  | 21375   |          | 75      | 0         | 14.848                                     | Fig.25 | 14.718 | Fig.26 | 14.718 | Fig.27 |
|      | 2510                    | 20850   | 20       | 100     | 0         | 19.450                                     | Fig.28 | 19.450 | Fig.29 | 19.363 | Fig.30 |
|      | 2535                    | 21100   |          | 100     | 0         | 19.363                                     | Fig.31 | 19.450 | Fig.32 | 19.537 | Fig.33 |
|      | 2560                    | 21350   |          | 100     | 0         | 19.537                                     | Fig.34 | 19.624 | Fig.35 | 19.450 | Fig.36 |

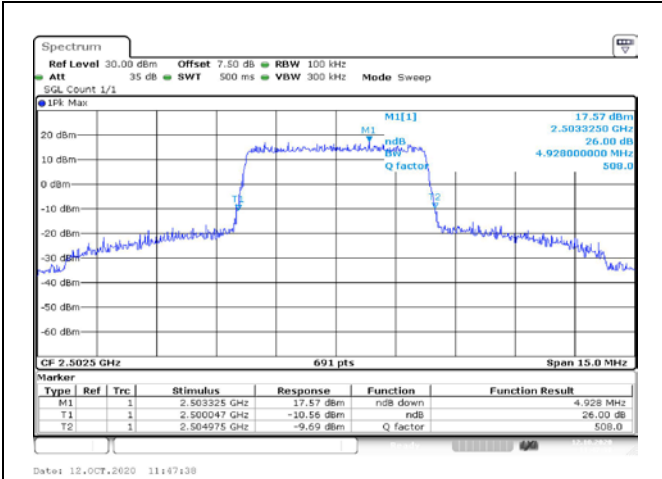


Fig.1

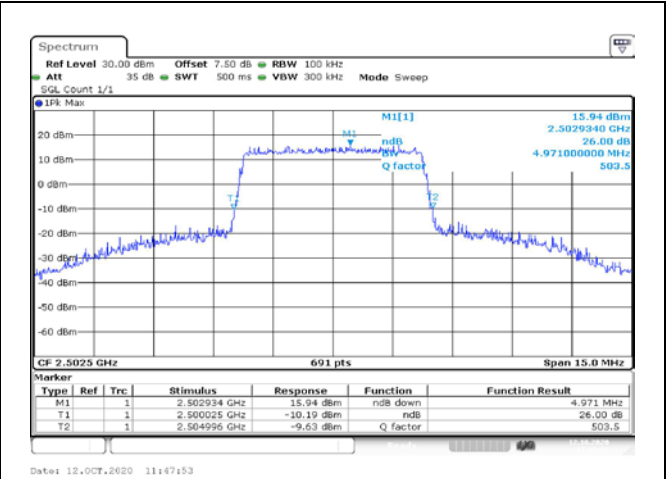


Fig.2

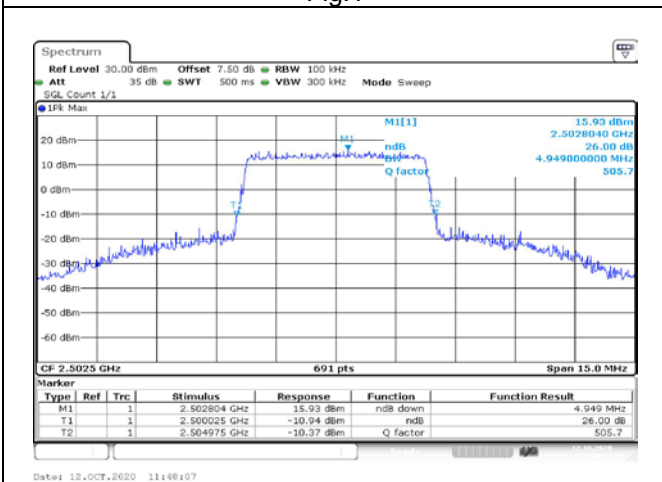


Fig.3

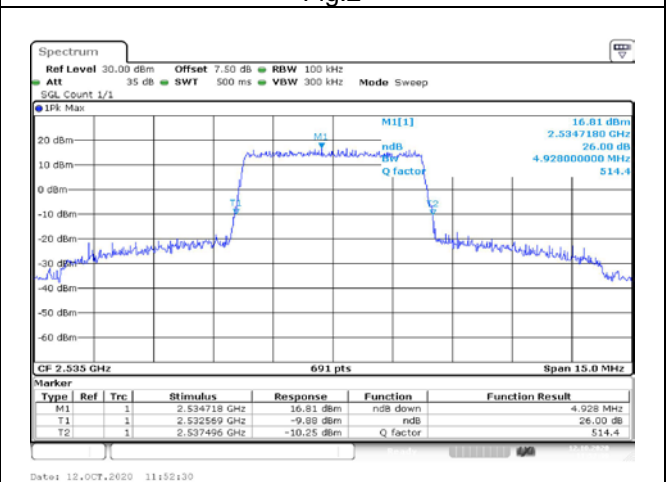


Fig.4

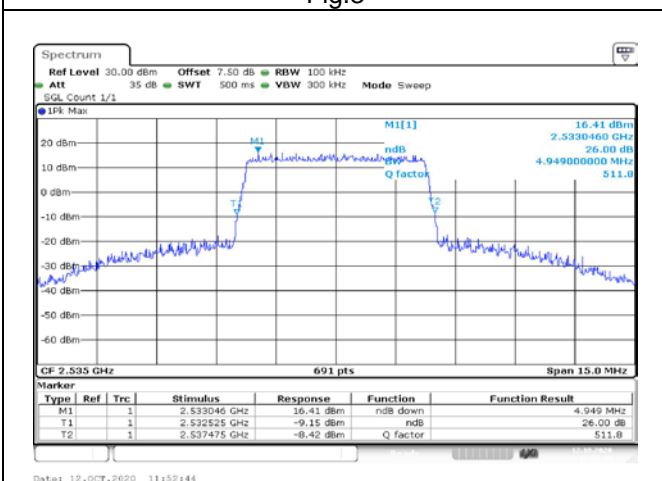


Fig.5

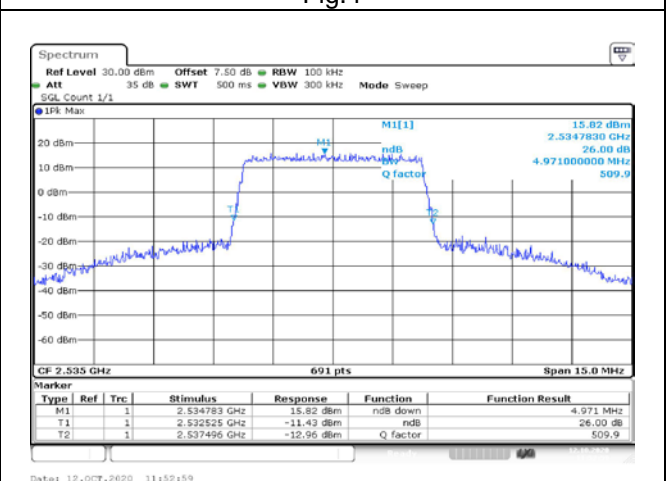


Fig.6

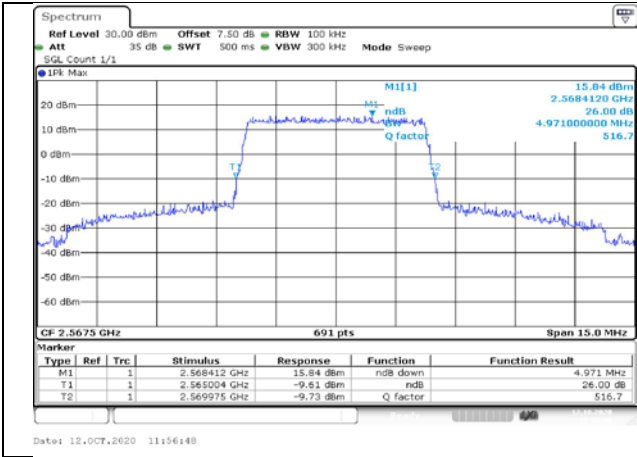


Fig.7

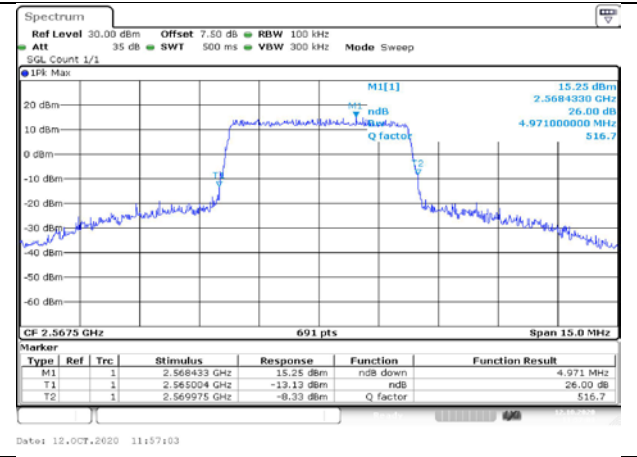


Fig.8

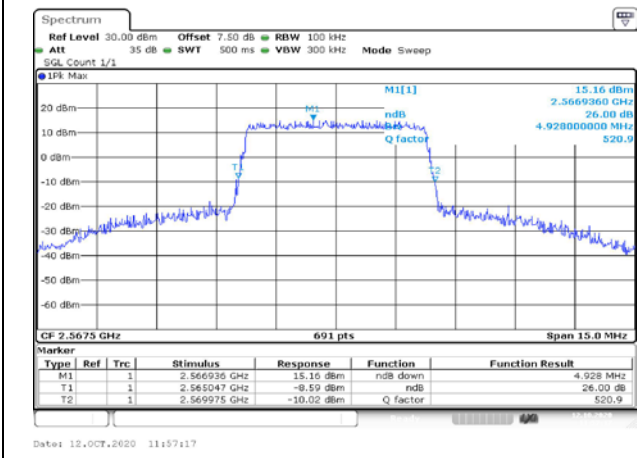


Fig.9

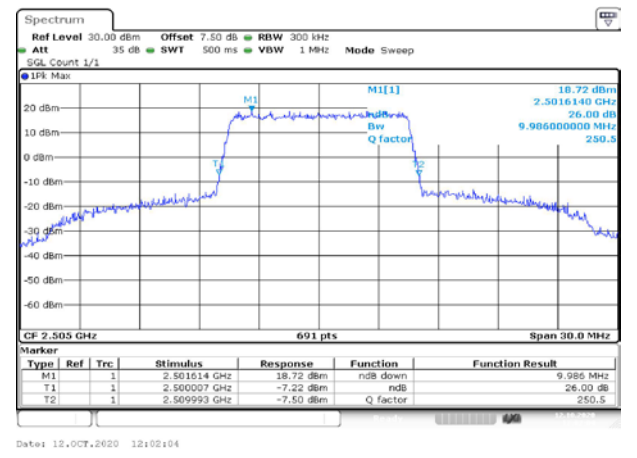


Fig.10

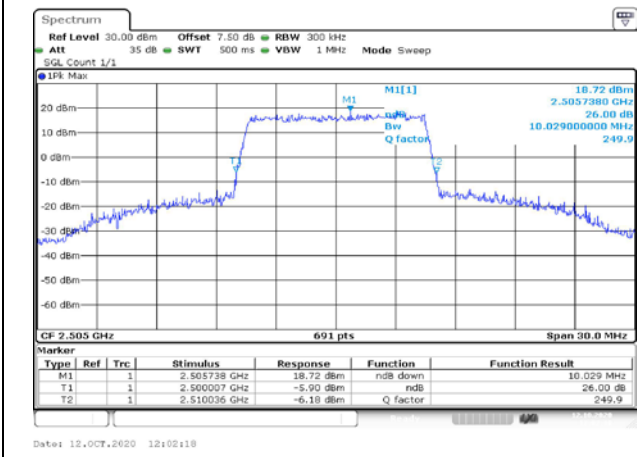


Fig.11

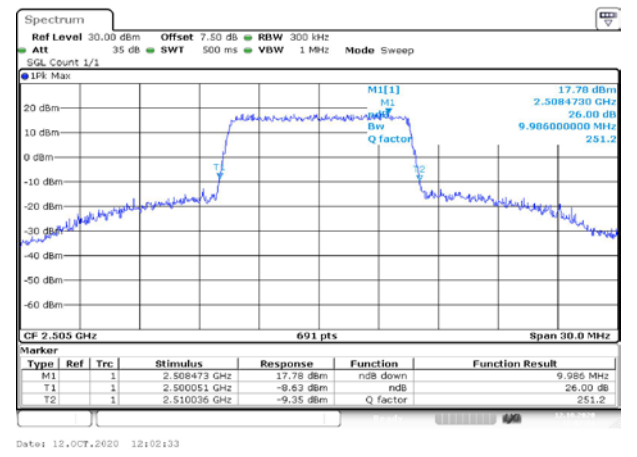


Fig.12

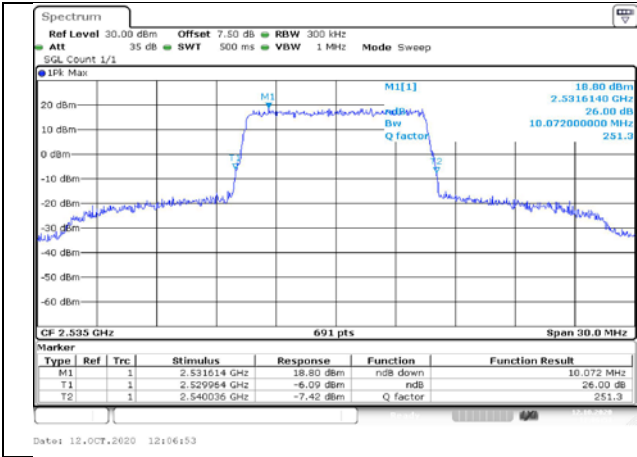


Fig.13

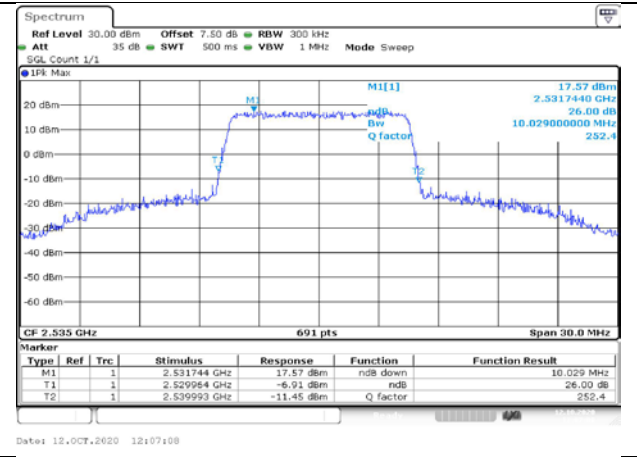


Fig.14

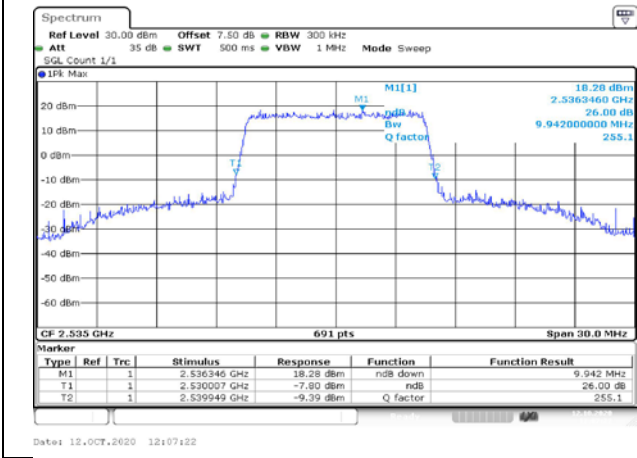


Fig.15

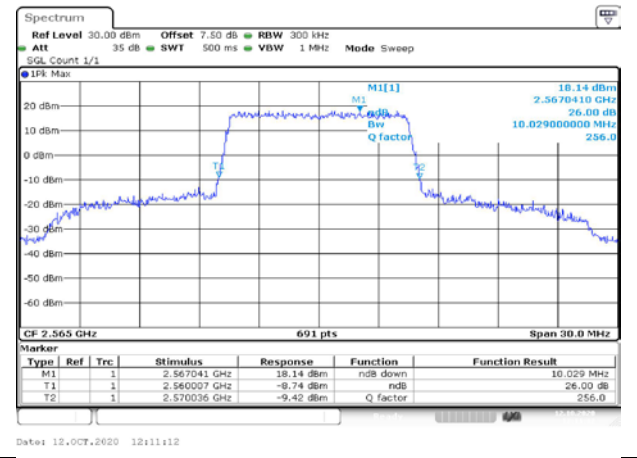


Fig.16

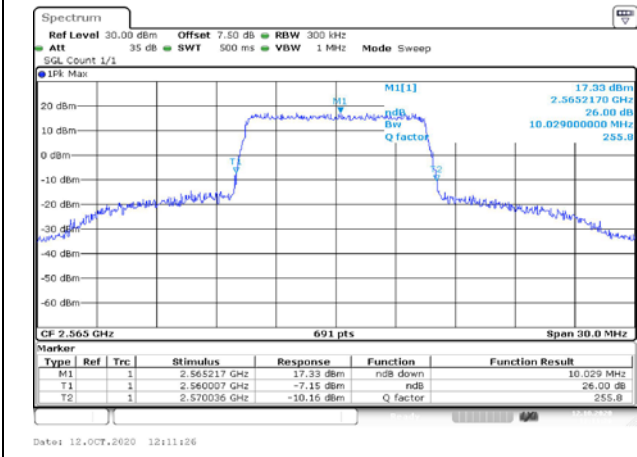


Fig.17

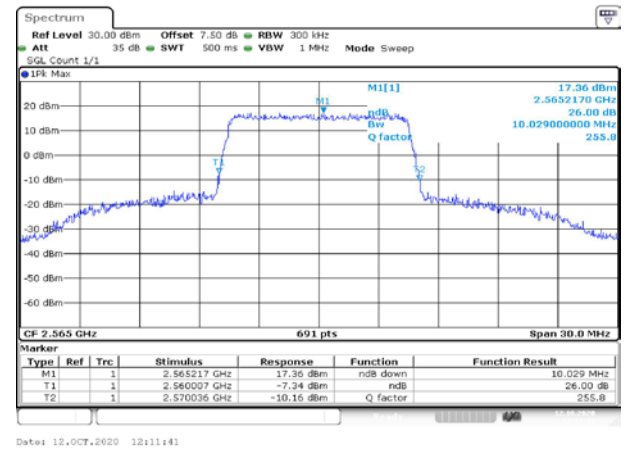


Fig.18

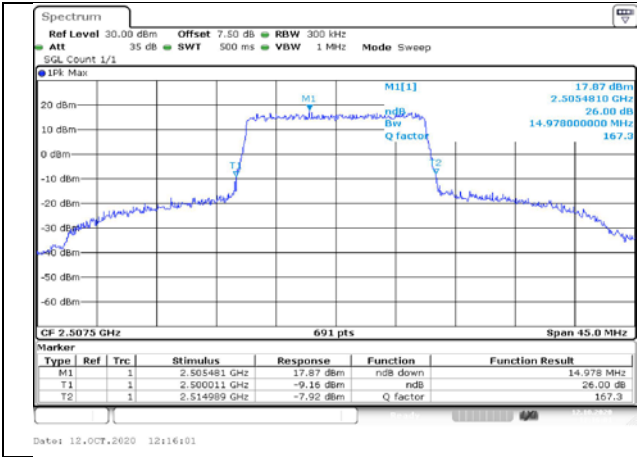


Fig.19

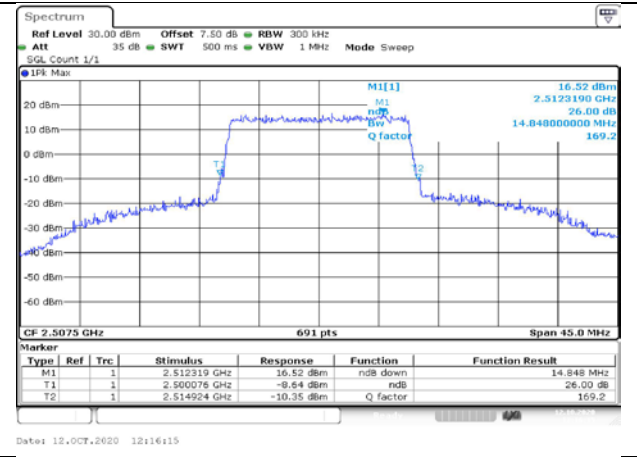


Fig.20

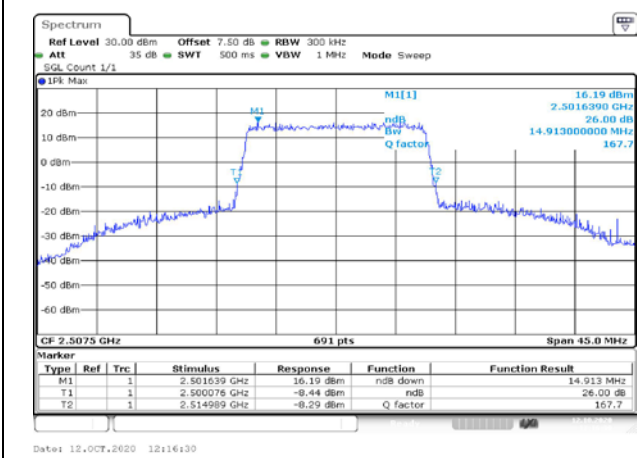


Fig.21

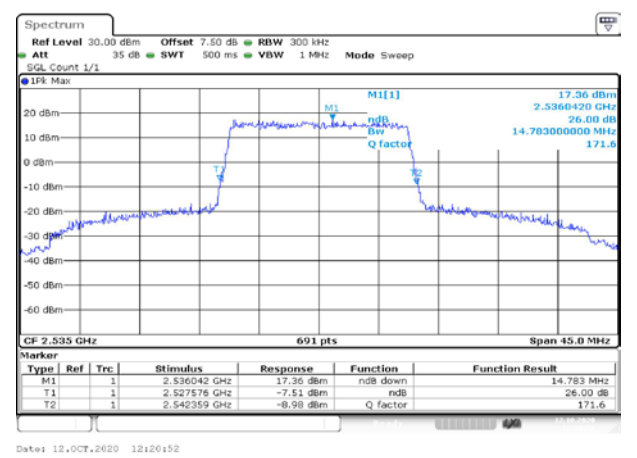


Fig.22

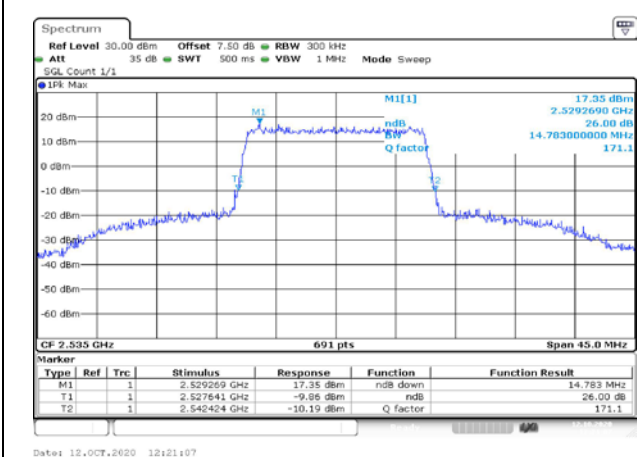


Fig.23

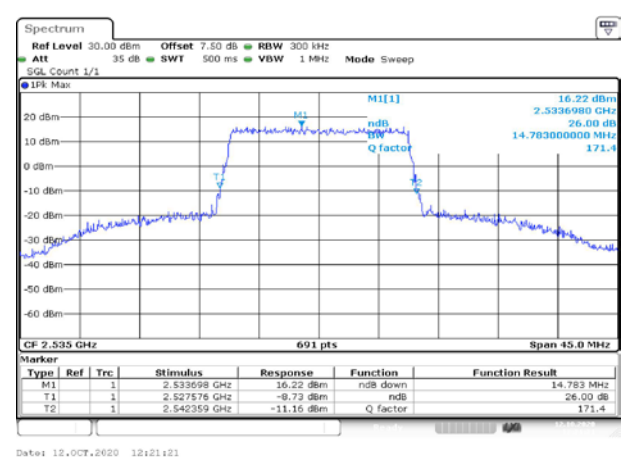


Fig.24



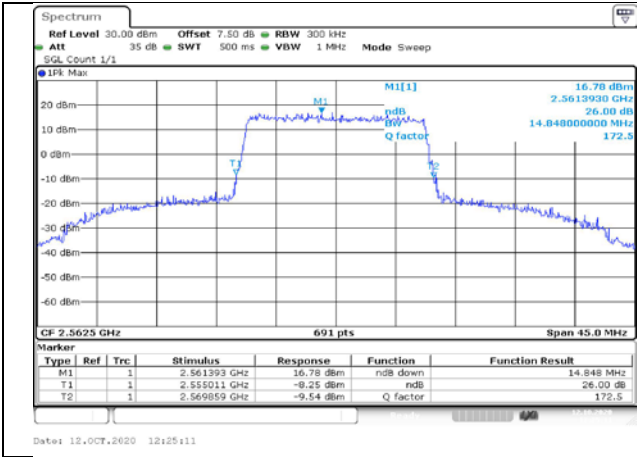


Fig.25

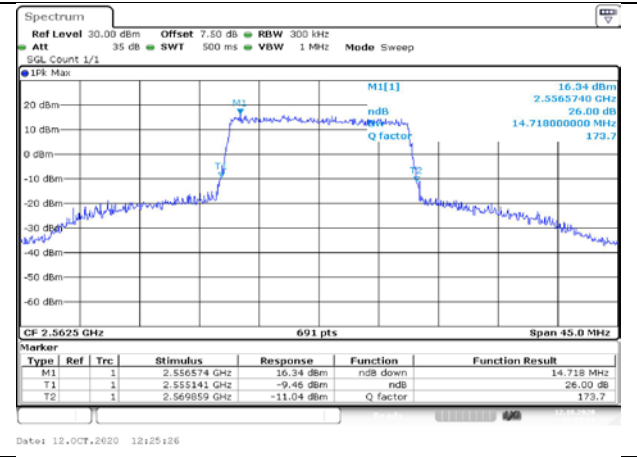


Fig.26

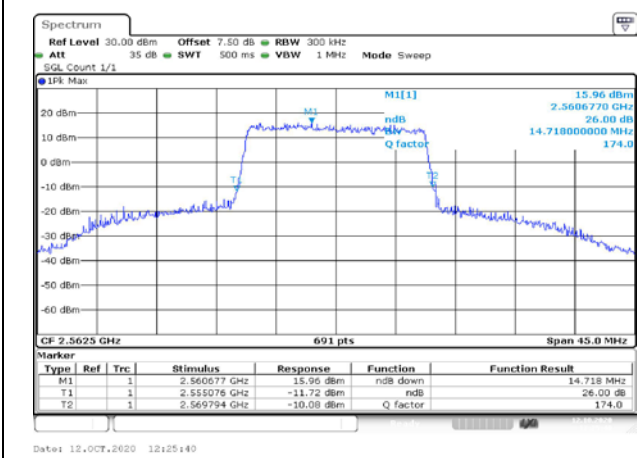


Fig.27

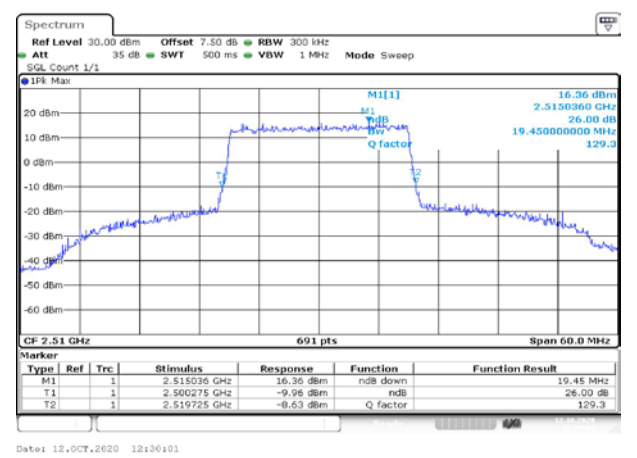


Fig.28

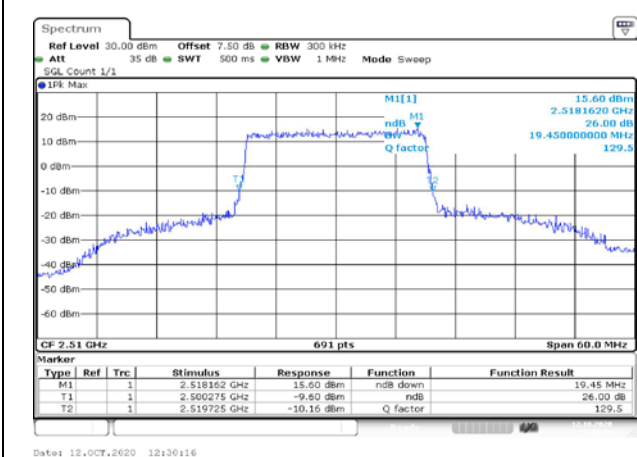


Fig.29

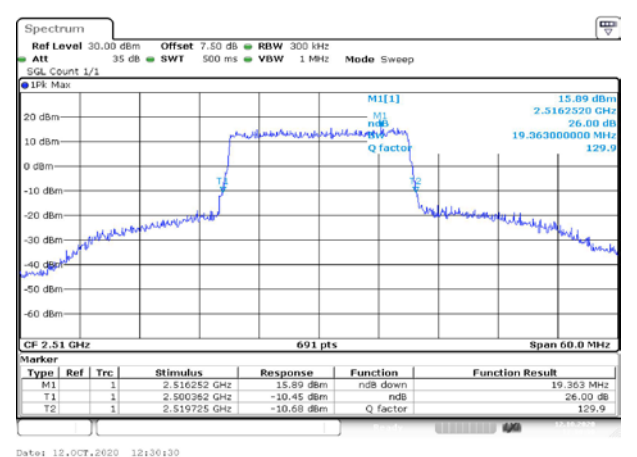


Fig.30

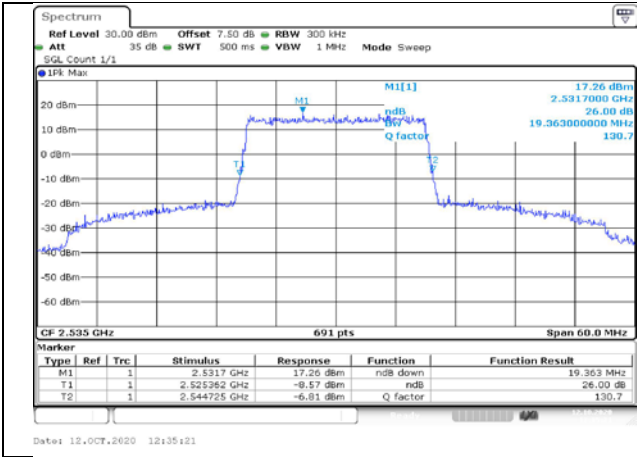


Fig.31

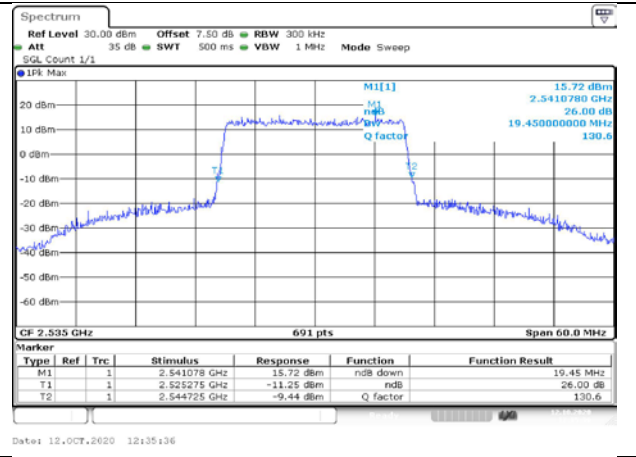


Fig.32

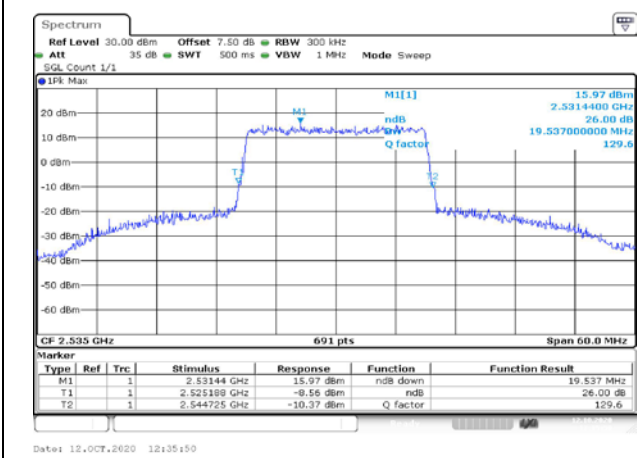


Fig.33

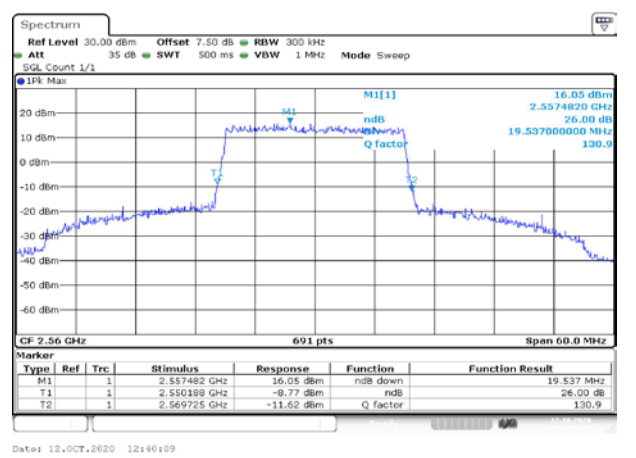


Fig.34

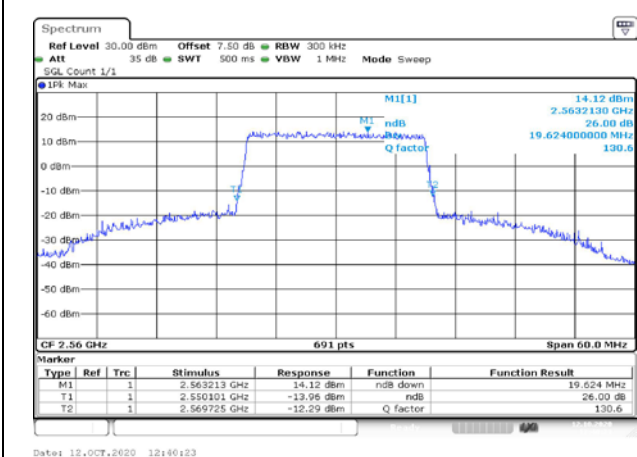


Fig.35

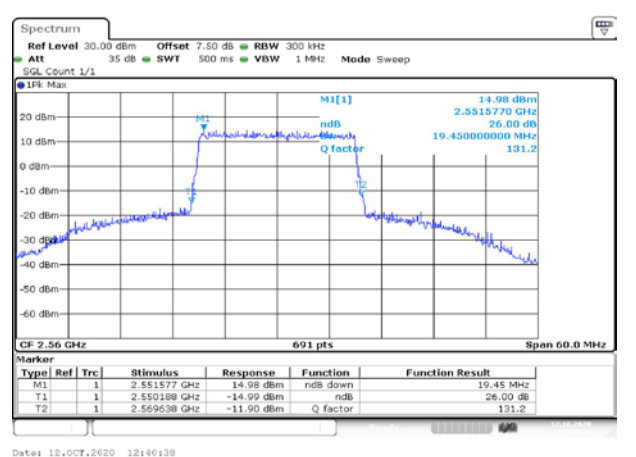


Fig.36

Peak-Average Ratio

| Band | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | QPSK   | 16-QAM | 64-QAM |
|------|-------------------------|---------|----------|---------|-----------|--------|--------|--------|
| 7    | 2502.5                  | 20775   | 5        | 1       | 24        | Fig.1  | Fig.2  | Fig.3  |
|      | 2502.5                  | 20775   | 5        | 25      | 0         | Fig.4  | Fig.5  | Fig.6  |
|      | 2535                    | 21100   | 5        | 1       | 24        | Fig.7  | Fig.8  | Fig.9  |
|      | 2535                    | 21100   | 5        | 25      | 0         | Fig.10 | Fig.11 | Fig.12 |
|      | 2567.5                  | 21425   | 5        | 1       | 24        | Fig.13 | Fig.14 | Fig.15 |
|      | 2567.5                  | 21425   | 5        | 25      | 0         | Fig.16 | Fig.17 | Fig.18 |
|      | 2505                    | 20800   | 10       | 1       | 49        | Fig.19 | Fig.20 | Fig.21 |
|      | 2505                    | 20800   | 10       | 50      | 0         | Fig.22 | Fig.23 | Fig.24 |
|      | 2535                    | 21100   | 10       | 1       | 49        | Fig.25 | Fig.26 | Fig.27 |
|      | 2535                    | 21100   | 10       | 50      | 0         | Fig.28 | Fig.29 | Fig.30 |
|      | 2565                    | 21400   | 10       | 1       | 49        | Fig.31 | Fig.32 | Fig.33 |
|      | 2565                    | 21400   | 10       | 50      | 0         | Fig.34 | Fig.35 | Fig.36 |
|      | 2507.5                  | 20825   | 15       | 1       | 74        | Fig.37 | Fig.38 | Fig.39 |
|      | 2507.5                  | 20825   | 15       | 75      | 0         | Fig.40 | Fig.41 | Fig.42 |
|      | 2535                    | 21100   | 15       | 1       | 74        | Fig.43 | Fig.44 | Fig.45 |
|      | 2535                    | 21100   | 15       | 75      | 0         | Fig.46 | Fig.47 | Fig.48 |
|      | 2562.5                  | 21375   | 15       | 1       | 74        | Fig.49 | Fig.50 | Fig.51 |
|      | 2562.5                  | 21375   | 15       | 75      | 0         | Fig.52 | Fig.53 | Fig.54 |
|      | 2510                    | 20850   | 20       | 1       | 99        | Fig.55 | Fig.56 | Fig.57 |
|      | 2510                    | 20850   | 20       | 100     | 0         | Fig.58 | Fig.59 | Fig.60 |
| 2535 | 21100                   | 20      | 1        | 99      | Fig.61    | Fig.62 | Fig.63 |        |
| 2535 | 21100                   | 20      | 100      | 0       | Fig.64    | Fig.65 | Fig.66 |        |
| 2560 | 21350                   | 20      | 1        | 99      | Fig.67    | Fig.68 | Fig.69 |        |
| 2560 | 21350                   | 20      | 100      | 0       | Fig.70    | Fig.71 | Fig.72 |        |

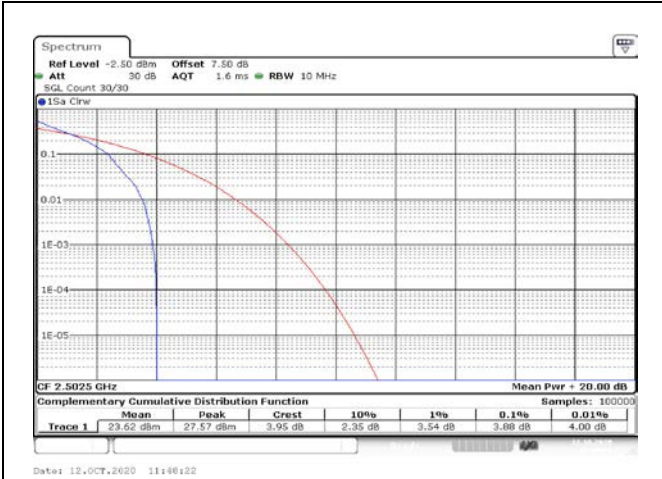


Fig.1

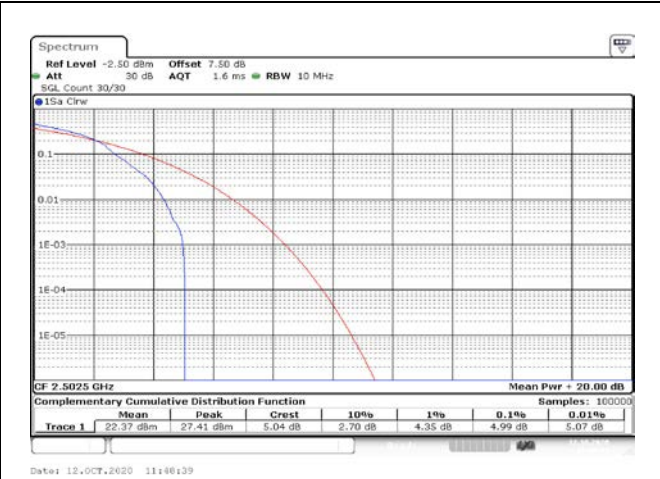


Fig.2



Fig.3

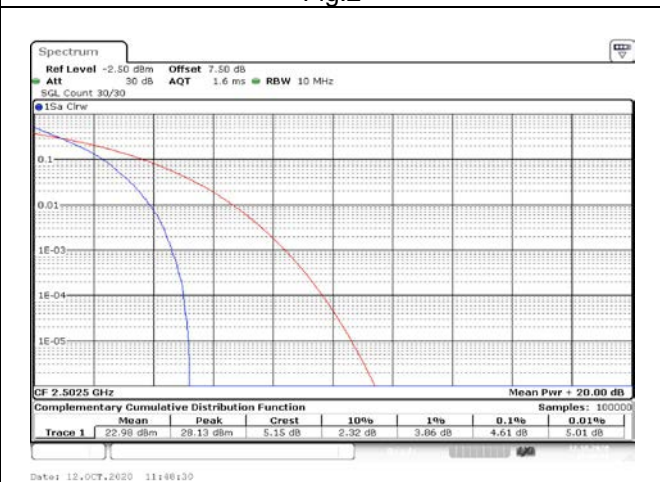


Fig.4

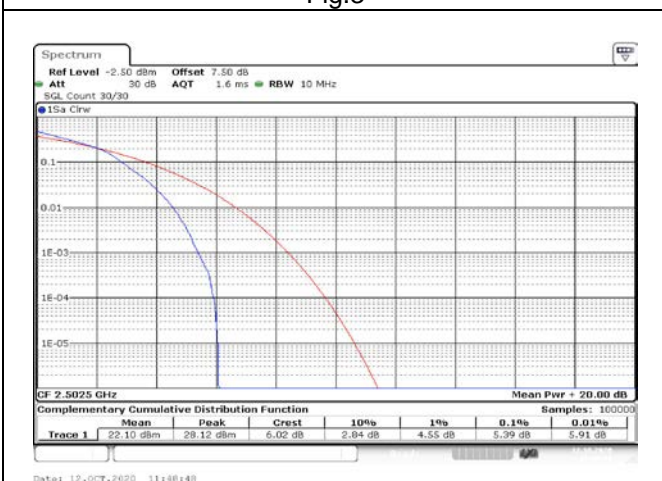


Fig.5

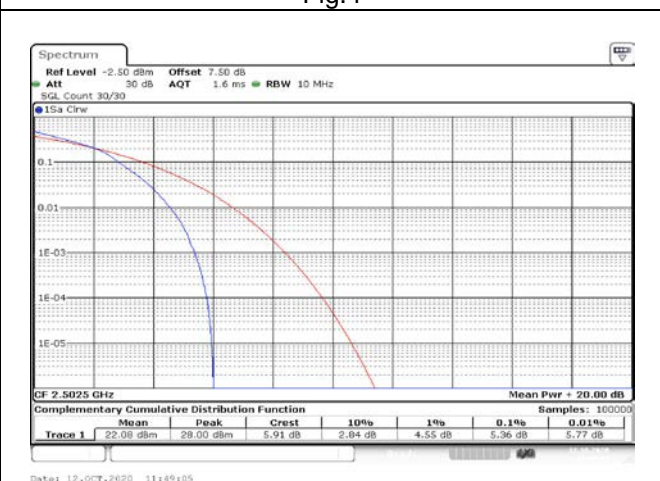


Fig.6

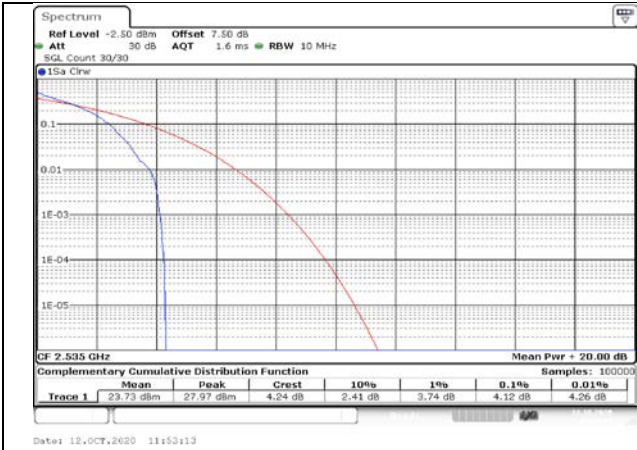


Fig.7

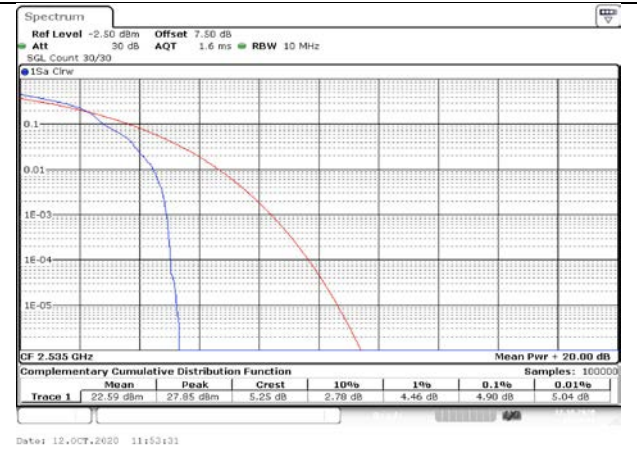


Fig.8

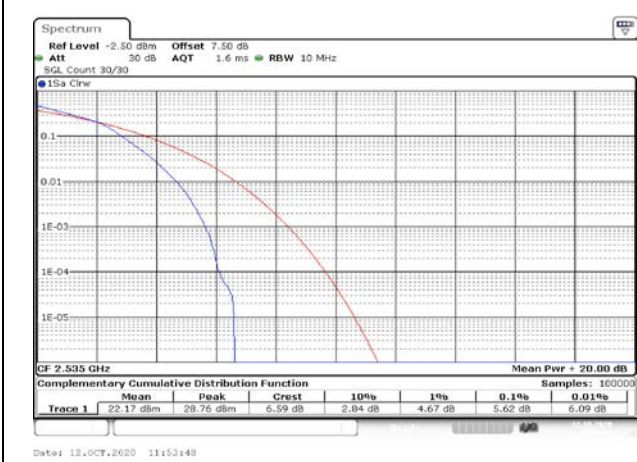


Fig.9

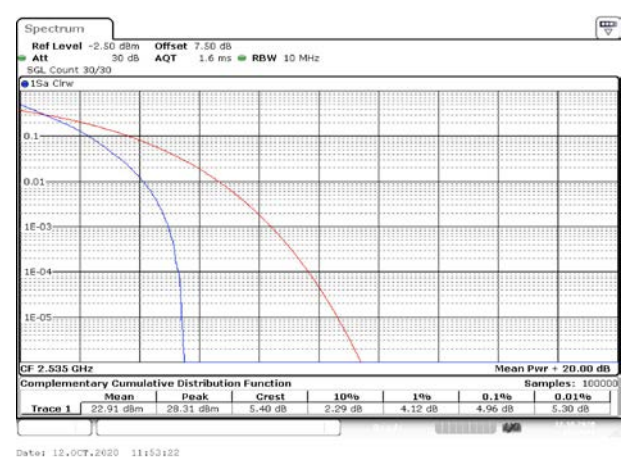


Fig.10

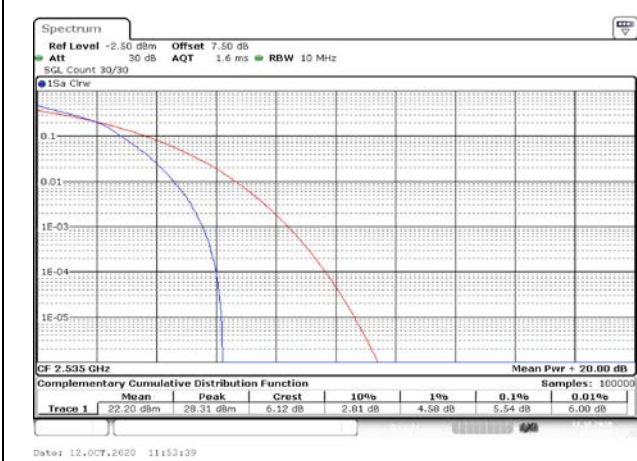


Fig.11

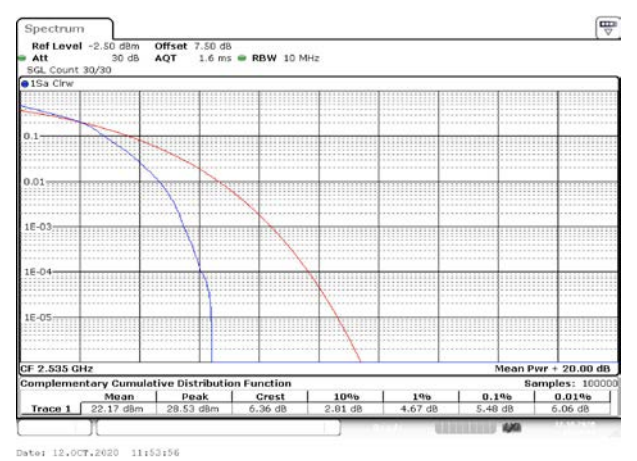


Fig.12

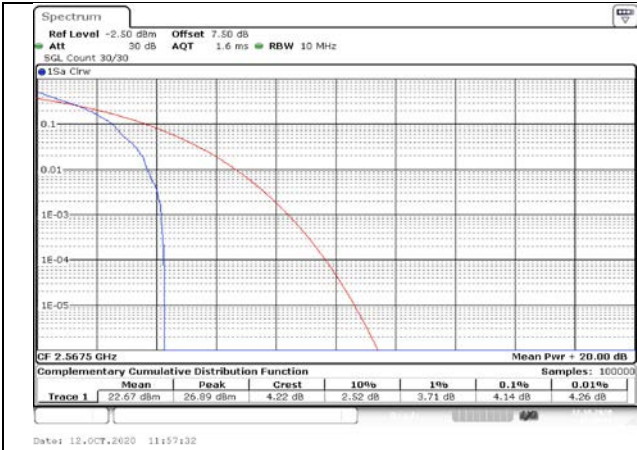


Fig.13

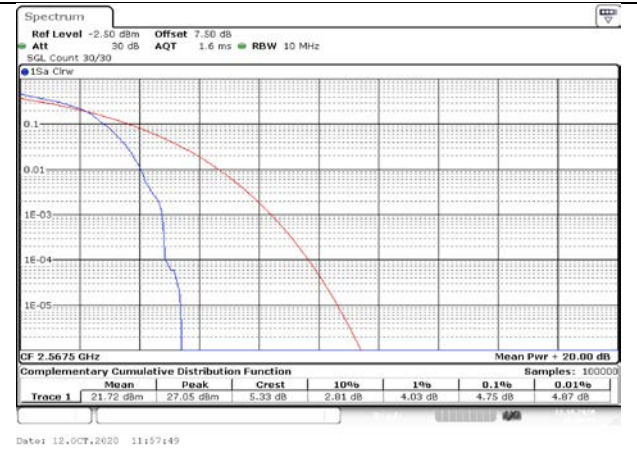


Fig.14

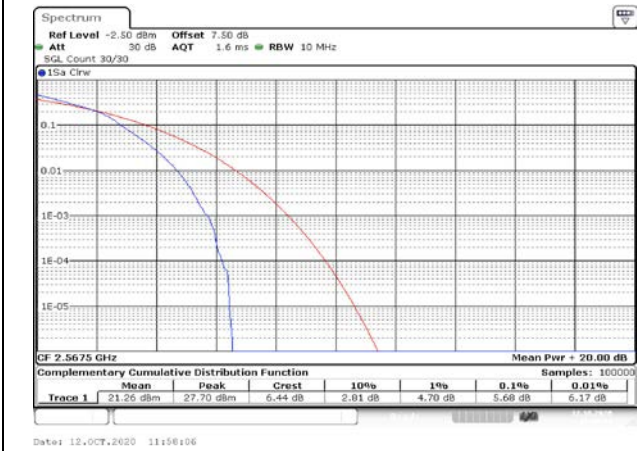


Fig.15

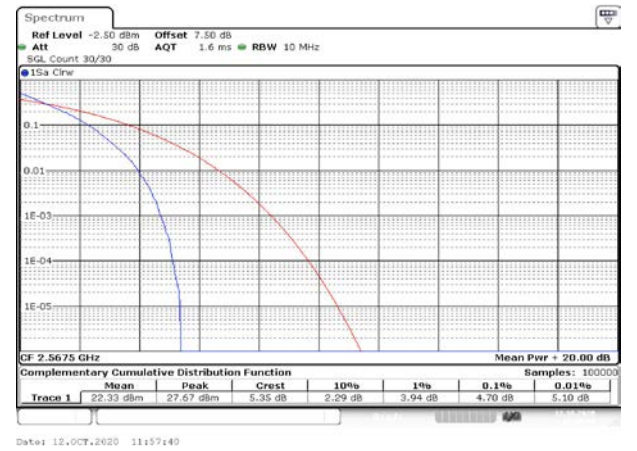


Fig.16

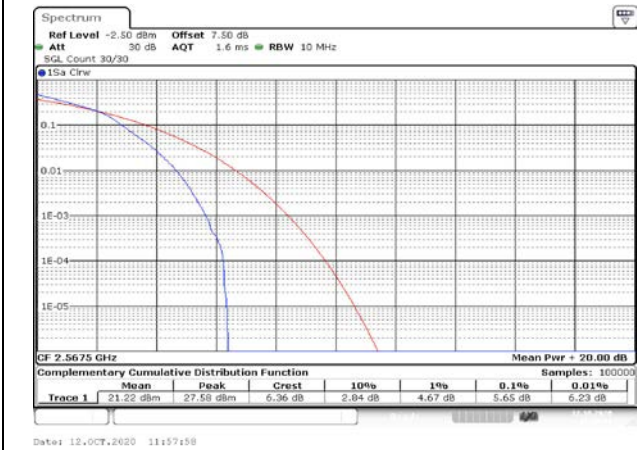


Fig.17

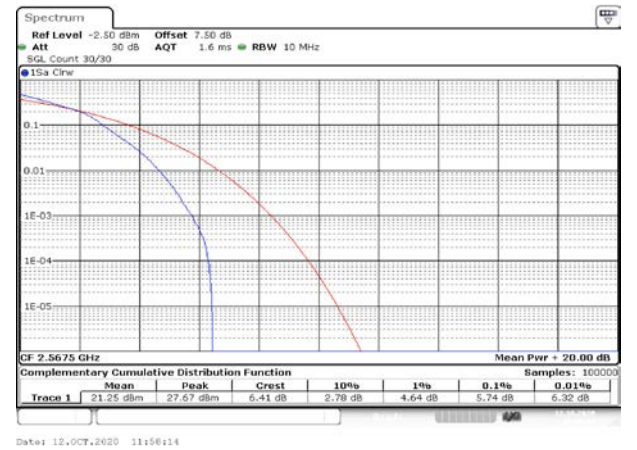


Fig.18