

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

### LTE Band 66

#### 1 RF Power Output

| Modulation | Carrier frequency (MHz) | UL Channel | BW  | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|-----|---------|-----------|-----------------------|
| QPSK       | 1710.7                  | 131979     | 1.4 | 1       | 0         | 22.82                 |
|            |                         |            |     | 1       | 5         | 22.97                 |
|            |                         |            |     | 3       | 2         | 21.93                 |
|            |                         |            |     | 6       | 0         | 21.85                 |
|            | 1745                    | 132322     |     | 1       | 0         | 23.16                 |
|            |                         |            |     | 1       | 5         | 23.10                 |
|            |                         |            |     | 3       | 2         | 22.42                 |
|            |                         |            |     | 6       | 0         | 22.22                 |
|            | 1779.3                  | 132665     |     | 1       | 0         | 23.13                 |
|            |                         |            |     | 1       | 5         | 23.16                 |
|            |                         |            |     | 3       | 2         | 22.26                 |
|            |                         |            |     | 6       | 0         | 22.17                 |
| 16QAM      | 1710.7                  | 131979     | 1.4 | 1       | 0         | 21.27                 |
|            |                         |            |     | 1       | 5         | 21.34                 |
|            |                         |            |     | 3       | 2         | 20.94                 |
|            |                         |            |     | 6       | 0         | 20.96                 |
|            | 1745                    | 132322     |     | 1       | 0         | 21.22                 |
|            |                         |            |     | 1       | 5         | 21.32                 |
|            |                         |            |     | 3       | 2         | 21.08                 |
|            |                         |            |     | 6       | 0         | 21.09                 |
|            | 1779.3                  | 132665     |     | 1       | 0         | 22.79                 |
|            |                         |            |     | 1       | 5         | 22.67                 |
|            |                         |            |     | 3       | 2         | 21.19                 |
|            |                         |            |     | 6       | 0         | 21.10                 |
| 64QAM      | 1710.7                  | 131979     | 1.4 | 1       | 0         | 21.49                 |
|            |                         |            |     | 1       | 5         | 21.60                 |
|            |                         |            |     | 3       | 2         | 20.86                 |
|            |                         |            |     | 6       | 0         | 20.92                 |
|            | 1745                    | 132322     |     | 1       | 0         | 21.57                 |
|            |                         |            |     | 1       | 5         | 22.05                 |
|            |                         |            |     | 3       | 2         | 21.25                 |
|            |                         |            |     | 6       | 0         | 21.21                 |
|            | 1779.3                  | 132665     |     | 1       | 0         | 22.14                 |
|            |                         |            |     | 1       | 5         | 21.02                 |
|            |                         |            |     | 3       | 2         | 21.28                 |
|            |                         |            |     | 6       | 0         | 21.31                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1711.5                  | 131987     | 3  | 1       | 0         | 22.89                 |
|            |                         |            |    | 1       | 14        | 22.86                 |
|            |                         |            |    | 8       | 4         | 21.88                 |
|            |                         |            |    | 15      | 0         | 21.77                 |
|            | 1745                    | 132322     |    | 1       | 0         | 23.05                 |
|            |                         |            |    | 1       | 14        | 23.16                 |
|            |                         |            |    | 8       | 4         | 22.51                 |
|            |                         |            |    | 15      | 0         | 22.27                 |
|            | 1778.5                  | 132657     |    | 1       | 0         | 23.24                 |
|            |                         |            |    | 1       | 14        | 23.27                 |
|            |                         |            |    | 8       | 4         | 22.23                 |
|            |                         |            |    | 15      | 0         | 22.19                 |
| 16QAM      | 1711.5                  | 131987     | 3  | 1       | 0         | 21.30                 |
|            |                         |            |    | 1       | 14        | 21.40                 |
|            |                         |            |    | 8       | 4         | 20.93                 |
|            |                         |            |    | 15      | 0         | 21.02                 |
|            | 1745                    | 132322     |    | 1       | 0         | 21.29                 |
|            |                         |            |    | 1       | 14        | 21.30                 |
|            |                         |            |    | 8       | 4         | 21.10                 |
|            |                         |            |    | 15      | 0         | 21.09                 |
|            | 1778.5                  | 132657     |    | 1       | 0         | 22.75                 |
|            |                         |            |    | 1       | 14        | 22.56                 |
|            |                         |            |    | 8       | 4         | 21.31                 |
|            |                         |            |    | 15      | 0         | 21.04                 |
| 64QAM      | 1711.5                  | 131987     | 3  | 1       | 0         | 21.48                 |
|            |                         |            |    | 1       | 14        | 21.62                 |
|            |                         |            |    | 8       | 4         | 20.82                 |
|            |                         |            |    | 15      | 0         | 21.02                 |
|            | 1745                    | 132322     |    | 1       | 0         | 21.55                 |
|            |                         |            |    | 1       | 14        | 22.02                 |
|            |                         |            |    | 8       | 4         | 21.27                 |
|            |                         |            |    | 15      | 0         | 21.26                 |
|            | 1778.5                  | 132657     |    | 1       | 0         | 22.18                 |
|            |                         |            |    | 1       | 14        | 21.07                 |
|            |                         |            |    | 8       | 4         | 21.33                 |
|            |                         |            |    | 15      | 0         | 21.27                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1712.5                  | 131997     | 5  | 1       | 0         | 22.86                 |
|            |                         |            |    | 1       | 24        | 22.97                 |
|            |                         |            |    | 12      | 6         | 21.88                 |
|            |                         |            |    | 25      | 0         | 21.88                 |
|            | 1745                    | 132322     |    | 1       | 0         | 23.07                 |
|            |                         |            |    | 1       | 24        | 23.11                 |
|            |                         |            |    | 12      | 6         | 22.53                 |
|            |                         |            |    | 25      | 0         | 22.19                 |
|            | 1777.5                  | 132647     |    | 1       | 0         | 23.18                 |
|            |                         |            |    | 1       | 24        | 23.18                 |
|            |                         |            |    | 12      | 6         | 22.14                 |
|            |                         |            |    | 25      | 0         | 22.20                 |
| 16QAM      | 1712.5                  | 131997     | 5  | 1       | 0         | 21.27                 |
|            |                         |            |    | 1       | 24        | 21.42                 |
|            |                         |            |    | 12      | 6         | 20.92                 |
|            |                         |            |    | 25      | 0         | 20.97                 |
|            | 1745                    | 132322     |    | 1       | 0         | 21.26                 |
|            |                         |            |    | 1       | 24        | 21.40                 |
|            |                         |            |    | 12      | 6         | 21.21                 |
|            |                         |            |    | 25      | 0         | 21.14                 |
|            | 1777.5                  | 132647     |    | 1       | 0         | 22.70                 |
|            |                         |            |    | 1       | 24        | 22.61                 |
|            |                         |            |    | 12      | 6         | 21.24                 |
|            |                         |            |    | 25      | 0         | 21.12                 |
| 64QAM      | 1712.5                  | 131997     | 5  | 1       | 0         | 21.53                 |
|            |                         |            |    | 1       | 24        | 21.67                 |
|            |                         |            |    | 12      | 6         | 20.84                 |
|            |                         |            |    | 25      | 0         | 21.02                 |
|            | 1745                    | 132322     |    | 1       | 0         | 21.54                 |
|            |                         |            |    | 1       | 24        | 21.96                 |
|            |                         |            |    | 12      | 6         | 21.33                 |
|            |                         |            |    | 25      | 0         | 21.24                 |
|            | 1777.5                  | 132647     |    | 1       | 0         | 22.16                 |
|            |                         |            |    | 1       | 24        | 20.98                 |
|            |                         |            |    | 12      | 6         | 21.35                 |
|            |                         |            |    | 25      | 0         | 21.26                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1715                    | 132022     | 10 | 1       | 0         | 22.81                 |
|            |                         |            |    | 1       | 49        | 22.90                 |
|            |                         |            |    | 24      | 12        | 21.82                 |
|            |                         |            |    | 50      | 0         | 21.78                 |
|            | 1745                    | 132322     |    | 1       | 0         | 23.04                 |
|            |                         |            |    | 1       | 49        | 23.09                 |
|            |                         |            |    | 24      | 12        | 22.50                 |
|            |                         |            |    | 50      | 0         | 22.22                 |
|            | 1775                    | 132622     |    | 1       | 0         | 23.21                 |
|            |                         |            |    | 1       | 49        | 23.22                 |
|            |                         |            |    | 24      | 12        | 22.26                 |
|            |                         |            |    | 50      | 0         | 22.14                 |
| 16QAM      | 1715                    | 132022     | 10 | 1       | 0         | 21.38                 |
|            |                         |            |    | 1       | 49        | 21.36                 |
|            |                         |            |    | 24      | 12        | 20.81                 |
|            |                         |            |    | 50      | 0         | 20.92                 |
|            | 1745                    | 132322     |    | 1       | 0         | 21.34                 |
|            |                         |            |    | 1       | 49        | 21.36                 |
|            |                         |            |    | 24      | 12        | 21.17                 |
|            |                         |            |    | 50      | 0         | 21.08                 |
|            | 1775                    | 132622     |    | 1       | 0         | 22.80                 |
|            |                         |            |    | 1       | 49        | 22.63                 |
|            |                         |            |    | 24      | 12        | 21.20                 |
|            |                         |            |    | 50      | 0         | 21.13                 |
| 64QAM      | 1715                    | 132022     | 10 | 1       | 0         | 21.49                 |
|            |                         |            |    | 1       | 49        | 21.64                 |
|            |                         |            |    | 24      | 12        | 20.81                 |
|            |                         |            |    | 50      | 0         | 20.95                 |
|            | 1745                    | 132322     |    | 1       | 0         | 21.58                 |
|            |                         |            |    | 1       | 49        | 21.96                 |
|            |                         |            |    | 24      | 12        | 21.31                 |
|            |                         |            |    | 50      | 0         | 21.28                 |
|            | 1775                    | 132622     |    | 1       | 0         | 22.15                 |
|            |                         |            |    | 1       | 49        | 21.10                 |
|            |                         |            |    | 24      | 12        | 21.35                 |
|            |                         |            |    | 50      | 0         | 21.24                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1717.5                  | 132047     | 15 | 1       | 0         | 22.89                 |
|            |                         |            |    | 1       | 74        | 22.88                 |
|            |                         |            |    | 40      | 18        | 21.91                 |
|            |                         |            |    | 75      | 0         | 21.84                 |
|            | 1745                    | 132322     |    | 1       | 0         | 23.17                 |
|            |                         |            |    | 1       | 74        | 23.07                 |
|            |                         |            |    | 40      | 18        | 22.40                 |
|            |                         |            |    | 75      | 0         | 22.15                 |
|            | 1772.5                  | 132597     |    | 1       | 0         | 23.13                 |
|            |                         |            |    | 1       | 74        | 23.19                 |
|            |                         |            |    | 40      | 18        | 22.17                 |
|            |                         |            |    | 75      | 0         | 22.24                 |
| 16QAM      | 1717.5                  | 132047     | 15 | 1       | 0         | 21.36                 |
|            |                         |            |    | 1       | 74        | 21.45                 |
|            |                         |            |    | 40      | 18        | 20.91                 |
|            |                         |            |    | 75      | 0         | 21.02                 |
|            | 1745                    | 132322     |    | 1       | 0         | 21.27                 |
|            |                         |            |    | 1       | 74        | 21.29                 |
|            |                         |            |    | 40      | 18        | 21.14                 |
|            |                         |            |    | 75      | 0         | 21.03                 |
|            | 1772.5                  | 132597     |    | 1       | 0         | 22.81                 |
|            |                         |            |    | 1       | 74        | 22.55                 |
|            |                         |            |    | 40      | 18        | 21.24                 |
|            |                         |            |    | 75      | 0         | 21.18                 |
| 64QAM      | 1717.5                  | 132047     | 15 | 1       | 0         | 21.48                 |
|            |                         |            |    | 1       | 74        | 21.56                 |
|            |                         |            |    | 40      | 18        | 20.91                 |
|            |                         |            |    | 75      | 0         | 20.89                 |
|            | 1745                    | 132322     |    | 1       | 0         | 21.59                 |
|            |                         |            |    | 1       | 74        | 22.03                 |
|            |                         |            |    | 40      | 18        | 21.25                 |
|            |                         |            |    | 75      | 0         | 21.23                 |
|            | 1772.5                  | 132597     |    | 1       | 0         | 22.15                 |
|            |                         |            |    | 1       | 74        | 21.06                 |
|            |                         |            |    | 40      | 18        | 21.34                 |
|            |                         |            |    | 75      | 0         | 21.28                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1720                    | 132072     | 20 | 1       | 0         | 22.91                 |
|            |                         |            |    | 1       | 99        | 22.98                 |
|            |                         |            |    | 50      | 25        | 21.97                 |
|            |                         |            |    | 100     | 0         | 21.89                 |
|            | 1745                    | 132322     |    | 1       | 0         | 23.18                 |
|            |                         |            |    | 1       | 99        | 23.16                 |
|            |                         |            |    | 50      | 25        | 22.53                 |
|            |                         |            |    | 100     | 0         | 22.28                 |
|            | 1770                    | 132572     |    | 1       | 0         | 23.26                 |
|            |                         |            |    | 1       | 99        | 23.31                 |
|            |                         |            |    | 50      | 25        | 22.27                 |
|            |                         |            |    | 100     | 0         | 22.26                 |
| 16QAM      | 1720                    | 132072     | 20 | 1       | 0         | 21.42                 |
|            |                         |            |    | 1       | 99        | 21.47                 |
|            |                         |            |    | 50      | 25        | 20.95                 |
|            |                         |            |    | 100     | 0         | 21.04                 |
|            | 1745                    | 132322     |    | 1       | 0         | 21.35                 |
|            |                         |            |    | 1       | 99        | 21.41                 |
|            |                         |            |    | 50      | 25        | 21.22                 |
|            |                         |            |    | 100     | 0         | 21.17                 |
|            | 1770                    | 132572     |    | 1       | 0         | 22.81                 |
|            |                         |            |    | 1       | 99        | 22.68                 |
|            |                         |            |    | 50      | 25        | 21.31                 |
|            |                         |            |    | 100     | 0         | 21.19                 |
| 64QAM      | 1720                    | 132072     | 20 | 1       | 0         | 21.57                 |
|            |                         |            |    | 1       | 99        | 21.68                 |
|            |                         |            |    | 50      | 25        | 20.93                 |
|            |                         |            |    | 100     | 0         | 21.04                 |
|            | 1745                    | 132322     |    | 1       | 0         | 21.69                 |
|            |                         |            |    | 1       | 99        | 22.07                 |
|            |                         |            |    | 50      | 25        | 21.39                 |
|            |                         |            |    | 100     | 0         | 21.31                 |
|            | 1770                    | 132572     |    | 1       | 0         | 22.27                 |
|            |                         |            |    | 1       | 99        | 21.12                 |
|            |                         |            |    | 50      | 25        | 21.37                 |
|            |                         |            |    | 100     | 0         | 21.34                 |

## 2 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 |        |
| 66   | 1710.7                  | 131979  | 1.4      | 6       | 0         | 1.0811                       | Fig.1  | 1.0796 | Fig.2  | 1.0816 | Fig.3  |
|      | 1745                    | 132322  |          | 6       | 0         | 1.0828                       | Fig.4  | 1.0816 | Fig.5  | 1.0837 | Fig.6  |
|      | 1779.3                  | 132665  |          | 6       | 0         | 1.0827                       | Fig.7  | 1.0831 | Fig.8  | 1.0824 | Fig.9  |
|      | 1711.5                  | 131987  | 3        | 15      | 0         | 2.6896                       | Fig.10 | 2.6946 | Fig.11 | 2.6873 | Fig.12 |
|      | 1745                    | 132322  |          | 15      | 0         | 2.6968                       | Fig.13 | 2.6872 | Fig.14 | 2.7006 | Fig.15 |
|      | 1778.5                  | 132657  |          | 15      | 0         | 2.6948                       | Fig.16 | 2.6965 | Fig.17 | 2.6948 | Fig.18 |
|      | 1712.5                  | 131997  | 5        | 25      | 0         | 4.4726                       | Fig.19 | 4.4775 | Fig.20 | 4.4899 | Fig.21 |
|      | 1745                    | 132322  |          | 25      | 0         | 4.4901                       | Fig.22 | 4.4748 | Fig.23 | 4.4846 | Fig.24 |
|      | 1777.5                  | 132647  |          | 25      | 0         | 4.4842                       | Fig.25 | 4.4812 | Fig.26 | 4.4743 | Fig.27 |
|      | 1715                    | 132022  | 10       | 50      | 0         | 8.9505                       | Fig.28 | 8.8941 | Fig.29 | 8.9336 | Fig.30 |
|      | 1745                    | 132322  |          | 50      | 0         | 8.9245                       | Fig.31 | 8.9376 | Fig.32 | 8.9313 | Fig.33 |
|      | 1775                    | 132622  |          | 50      | 0         | 8.9522                       | Fig.34 | 8.9129 | Fig.35 | 8.9134 | Fig.36 |
|      | 1717.5                  | 132047  | 15       | 75      | 0         | 13.372                       | Fig.37 | 13.408 | Fig.38 | 13.341 | Fig.39 |
|      | 1745                    | 132322  |          | 75      | 0         | 13.384                       | Fig.40 | 13.450 | Fig.41 | 13.376 | Fig.42 |
|      | 1772.5                  | 132597  |          | 75      | 0         | 13.378                       | Fig.43 | 13.394 | Fig.44 | 13.364 | Fig.45 |
|      | 1720                    | 132072  | 20       | 100     | 0         | 17.821                       | Fig.46 | 17.756 | Fig.47 | 17.782 | Fig.48 |
|      | 1745                    | 132322  |          | 100     | 0         | 17.881                       | Fig.49 | 17.874 | Fig.50 | 17.826 | Fig.51 |
|      | 1770                    | 132572  |          | 100     | 0         | 17.829                       | Fig.52 | 17.840 | Fig.53 | 17.810 | Fig.54 |

| Band | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) |        |        |        |        |        |
|------|-------------------------|---------|----------|---------|-----------|--------------------------------------------|--------|--------|--------|--------|--------|
|      |                         |         |          |         |           | QPSK                                       |        | 16-QAM |        | 64-QAM |        |
| 66   | 1710.7                  | 131979  | 1.4      | 6       | 0         | 1.250                                      | Fig.1  | 1.230  | Fig.2  | 1.227  | Fig.3  |
|      | 1745                    | 132322  |          | 6       | 0         | 1.253                                      | Fig.4  | 1.237  | Fig.5  | 1.232  | Fig.6  |
|      | 1779.3                  | 132665  |          | 6       | 0         | 1.239                                      | Fig.7  | 1.234  | Fig.8  | 1.222  | Fig.9  |
|      | 1711.5                  | 131987  | 3        | 15      | 0         | 2.962                                      | Fig.10 | 2.980  | Fig.11 | 2.960  | Fig.12 |
|      | 1745                    | 132322  |          | 15      | 0         | 2.968                                      | Fig.13 | 2.982  | Fig.14 | 2.944  | Fig.15 |
|      | 1778.5                  | 132657  |          | 15      | 0         | 2.977                                      | Fig.16 | 2.947  | Fig.17 | 2.934  | Fig.18 |
|      | 1712.5                  | 131997  | 5        | 25      | 0         | 4.892                                      | Fig.19 | 4.942  | Fig.20 | 4.877  | Fig.21 |
|      | 1745                    | 132322  |          | 25      | 0         | 4.904                                      | Fig.22 | 4.871  | Fig.23 | 4.944  | Fig.24 |
|      | 1777.5                  | 132647  |          | 25      | 0         | 4.908                                      | Fig.25 | 4.896  | Fig.26 | 4.934  | Fig.27 |
|      | 1715                    | 132022  | 10       | 50      | 0         | 9.661                                      | Fig.28 | 9.701  | Fig.29 | 9.554  | Fig.30 |
|      | 1745                    | 132322  |          | 50      | 0         | 9.610                                      | Fig.31 | 9.525  | Fig.32 | 9.618  | Fig.33 |
|      | 1775                    | 132622  |          | 50      | 0         | 9.688                                      | Fig.34 | 9.621  | Fig.35 | 9.558  | Fig.36 |
|      | 1717.5                  | 132047  | 15       | 75      | 0         | 14.37                                      | Fig.37 | 14.17  | Fig.38 | 14.25  | Fig.39 |
|      | 1745                    | 132322  |          | 75      | 0         | 14.32                                      | Fig.40 | 14.12  | Fig.41 | 14.23  | Fig.42 |
|      | 1772.5                  | 132597  |          | 75      | 0         | 14.41                                      | Fig.43 | 14.33  | Fig.44 | 14.07  | Fig.45 |
|      | 1720                    | 132072  | 20       | 100     | 0         | 19.07                                      | Fig.46 | 18.84  | Fig.47 | 18.97  | Fig.48 |
|      | 1745                    | 132322  |          | 100     | 0         | 19.00                                      | Fig.49 | 18.97  | Fig.50 | 18.87  | Fig.51 |
|      | 1770                    | 132572  |          | 100     | 0         | 18.94                                      | Fig.52 | 19.01  | Fig.53 | 18.89  | Fig.54 |

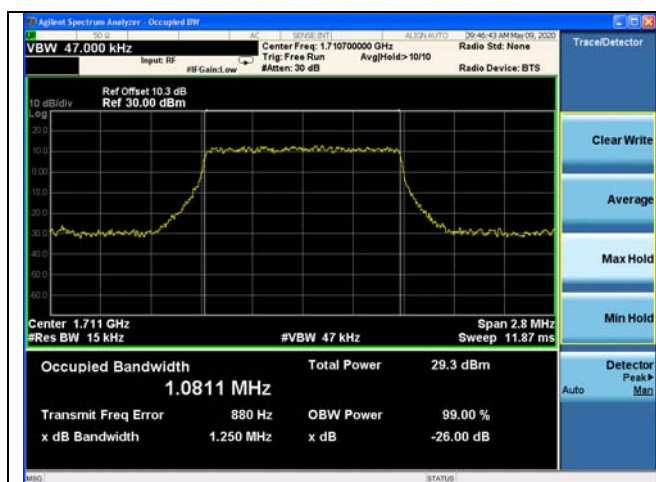


Fig.1

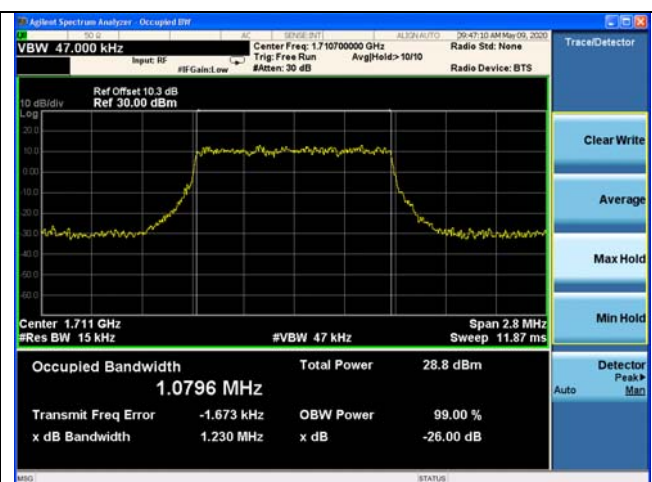


Fig.2

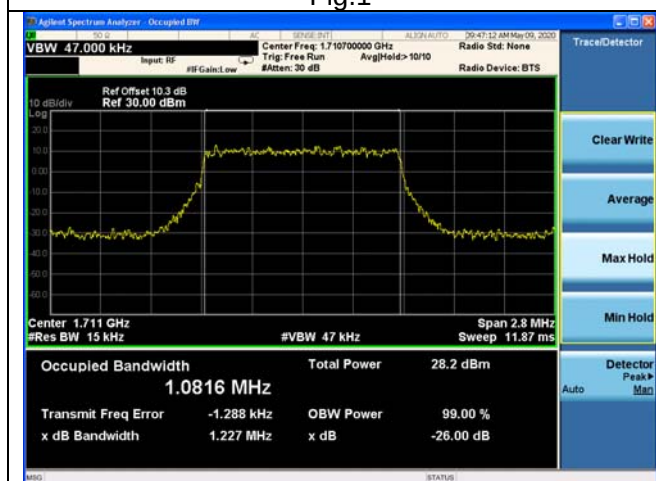


Fig.3

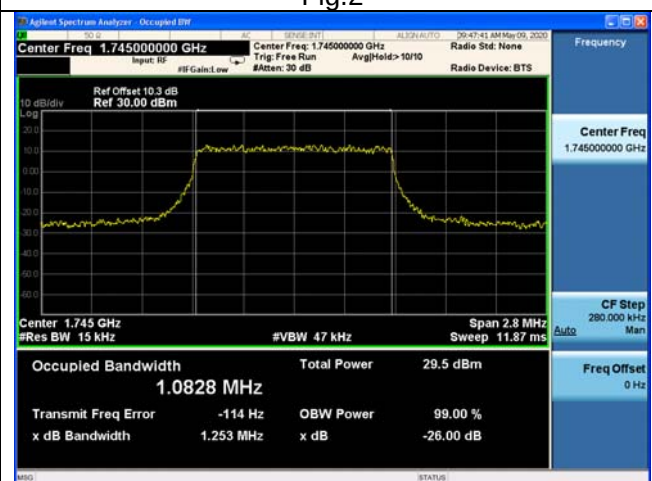


Fig.4

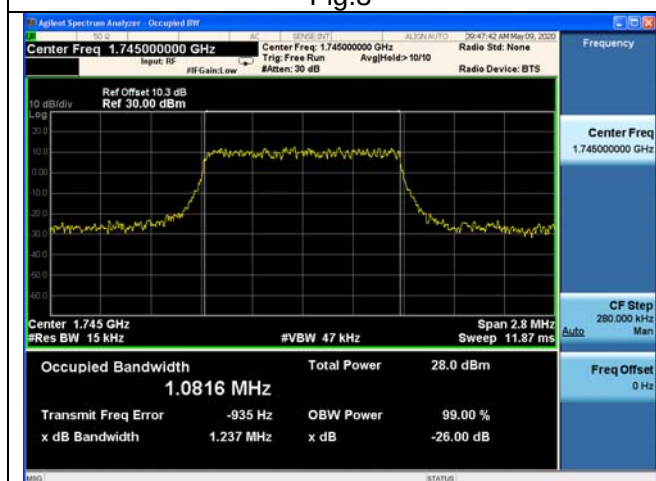


Fig.5

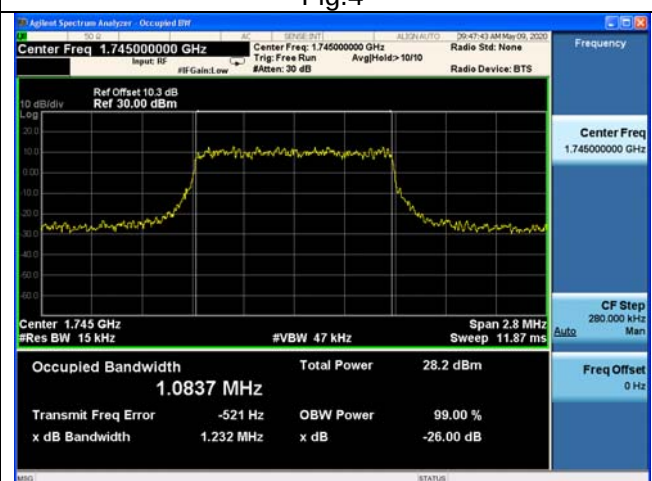


Fig.6



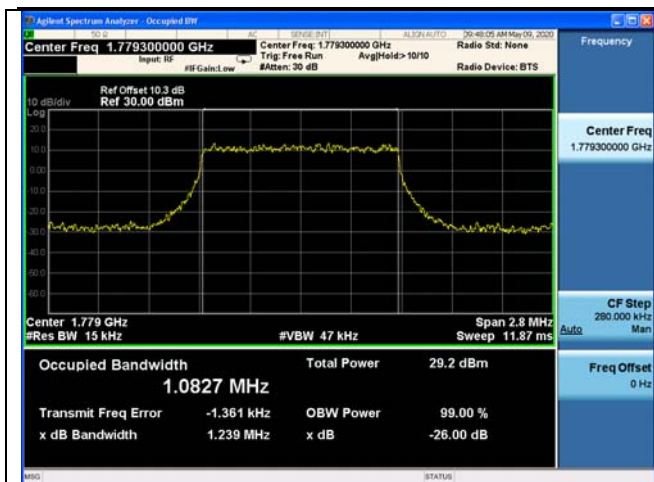


Fig.7

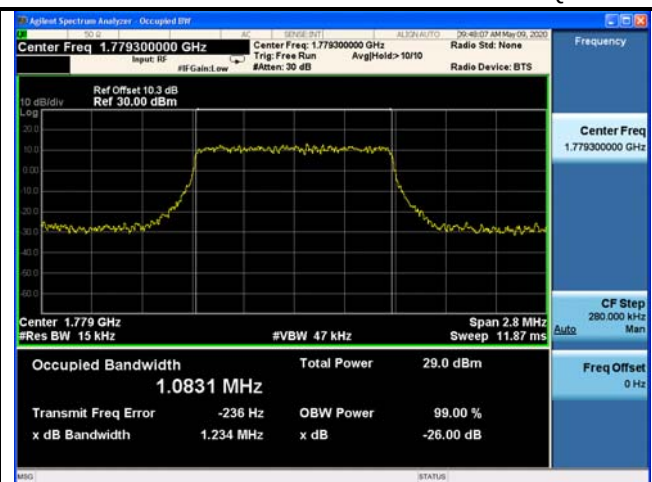


Fig.8

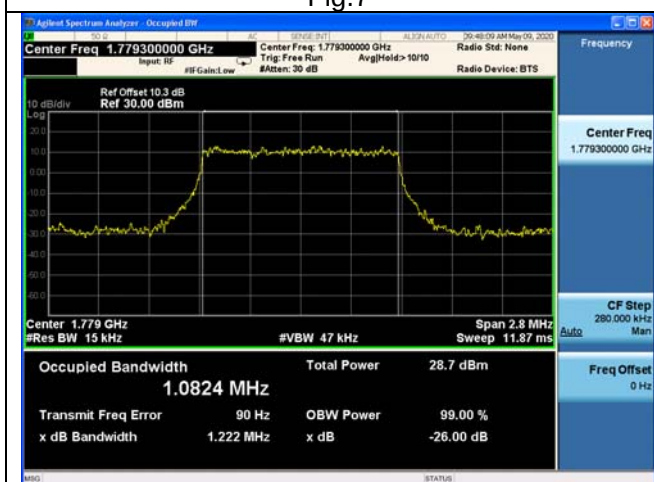


Fig.9

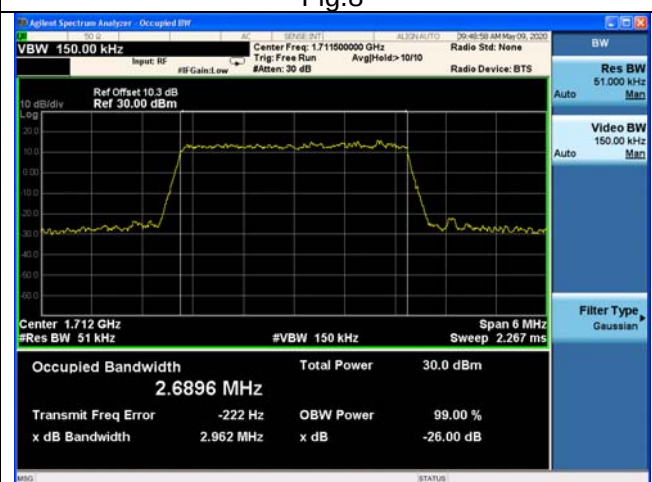


Fig.10

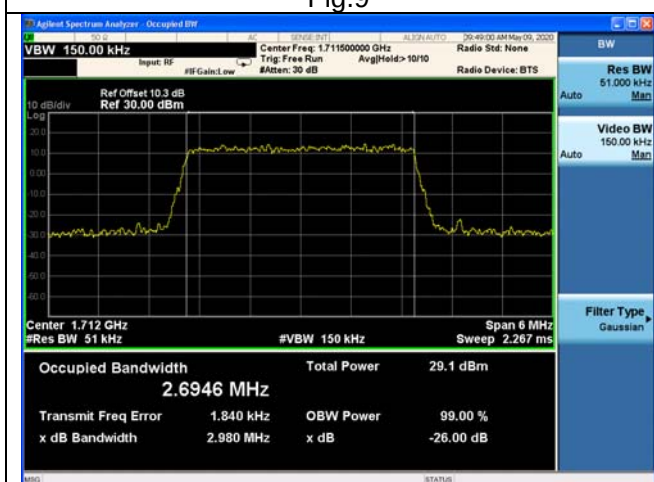


Fig.11

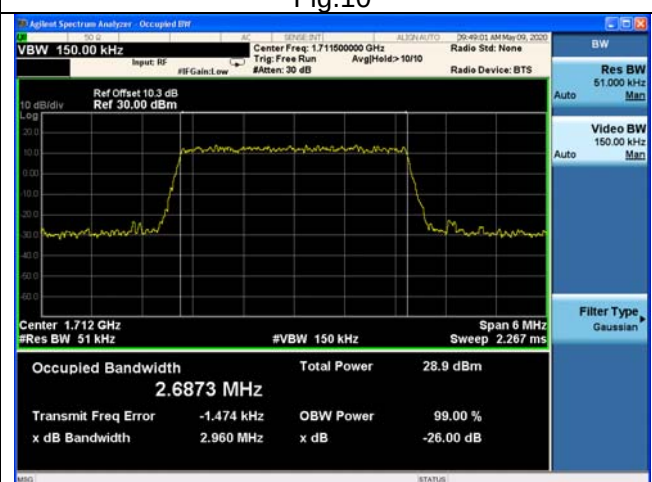


Fig.12

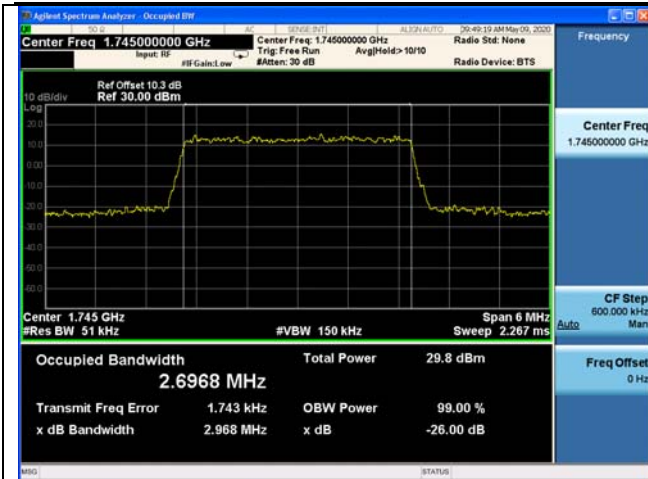


Fig.13

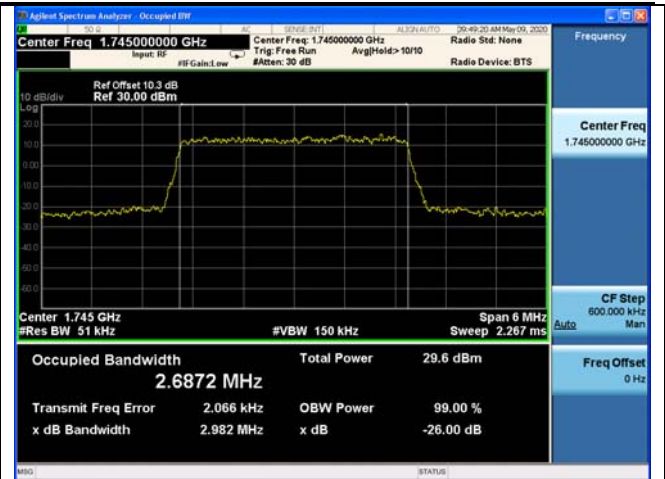


Fig.14

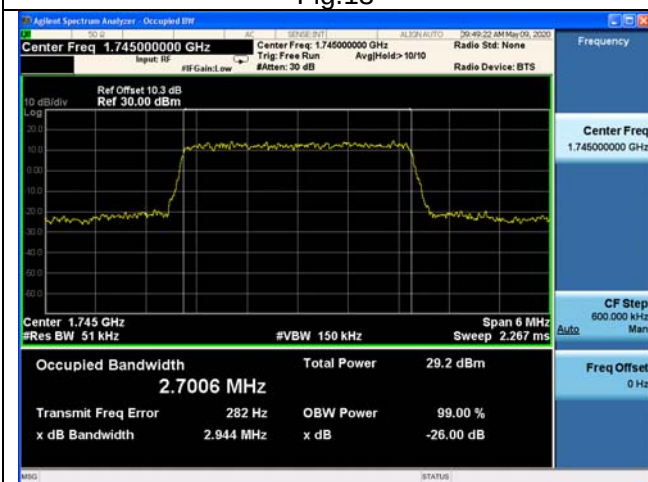


Fig.15

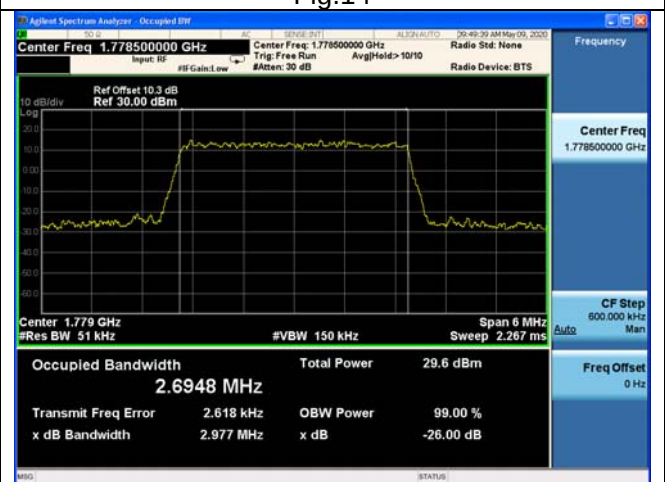


Fig.16

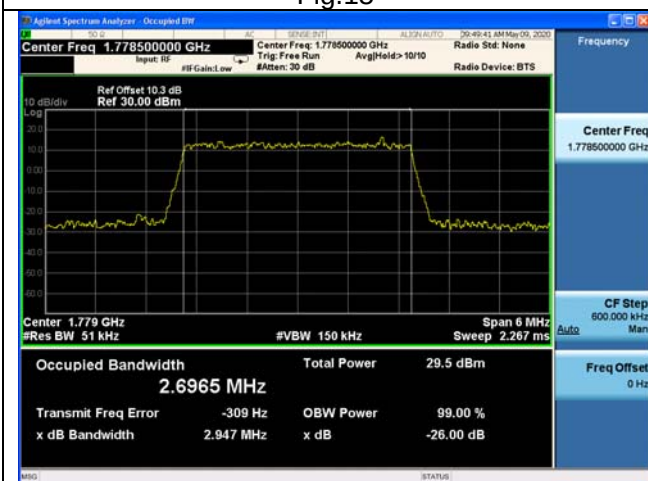


Fig.17

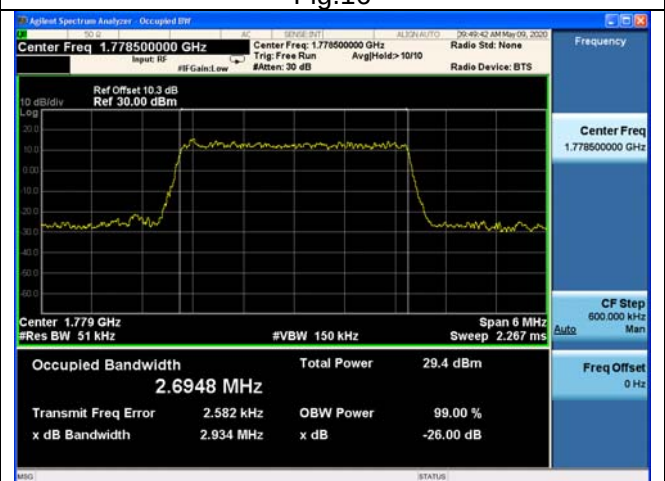


Fig.18

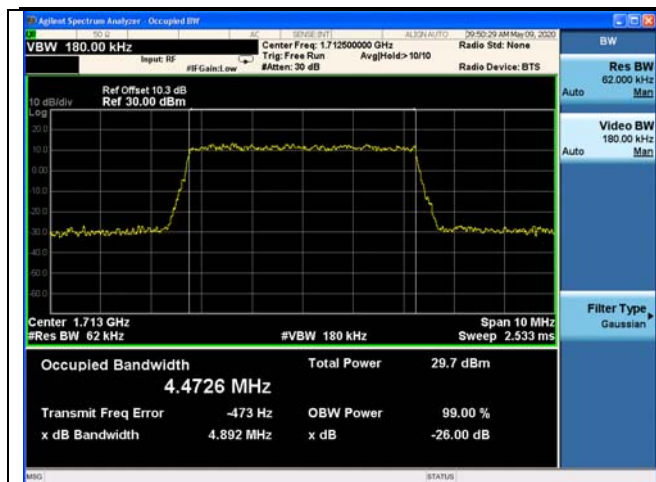


Fig.19

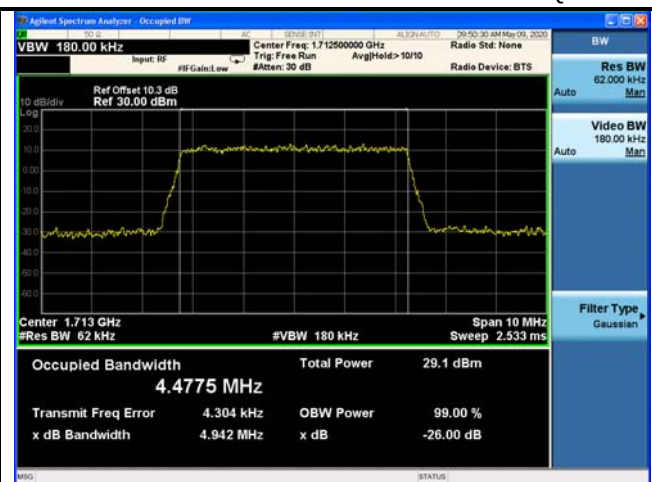


Fig.20

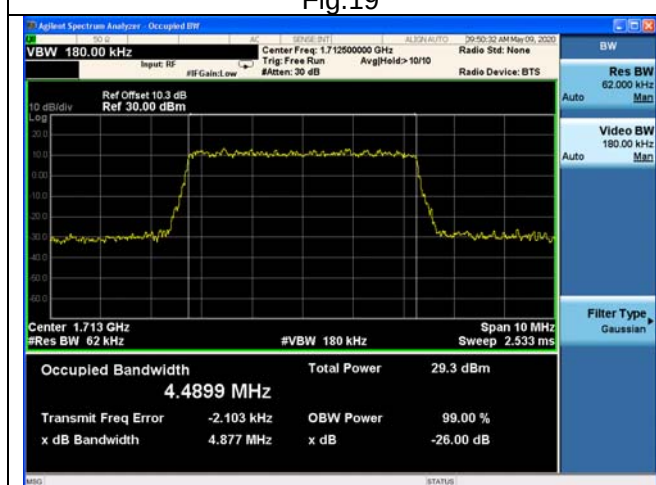


Fig.21

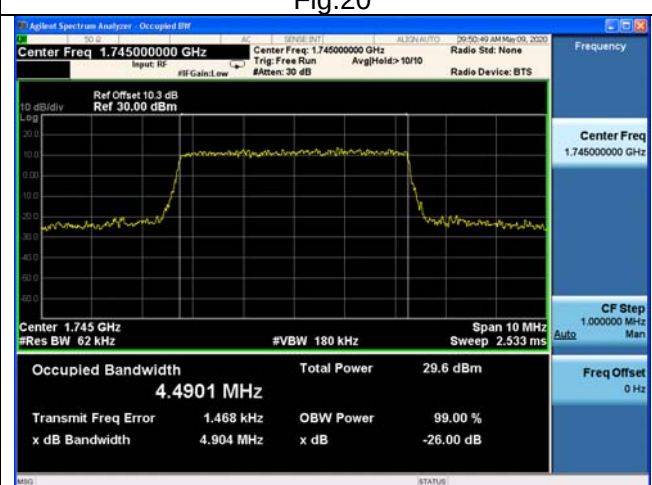


Fig.22

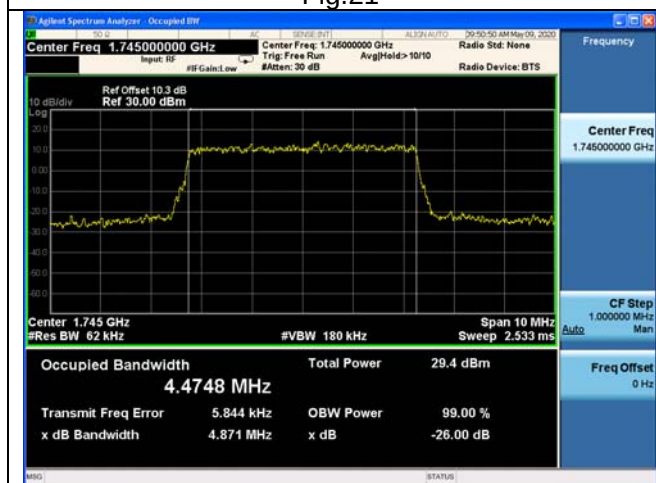


Fig.23

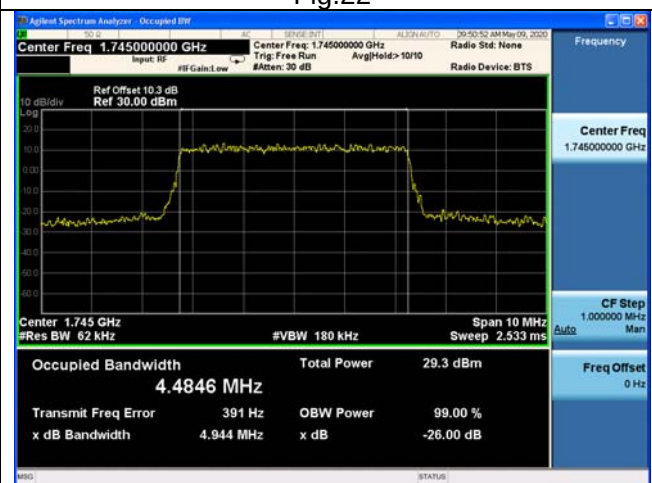


Fig.24



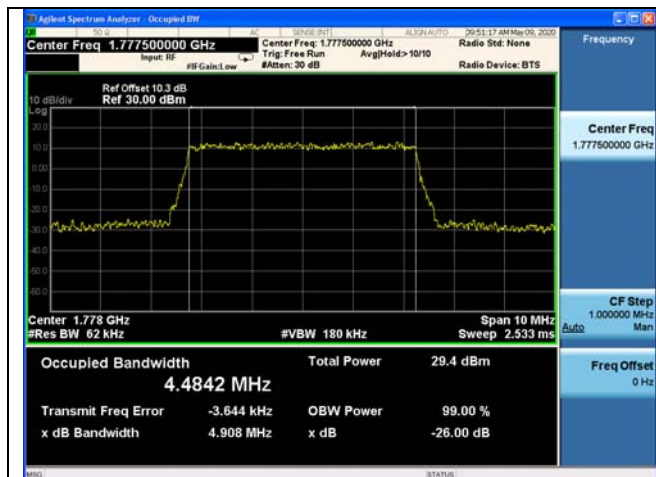


Fig.25

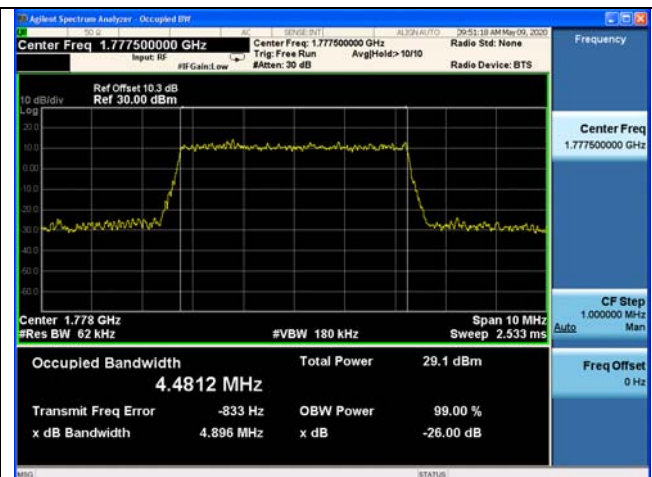


Fig.26

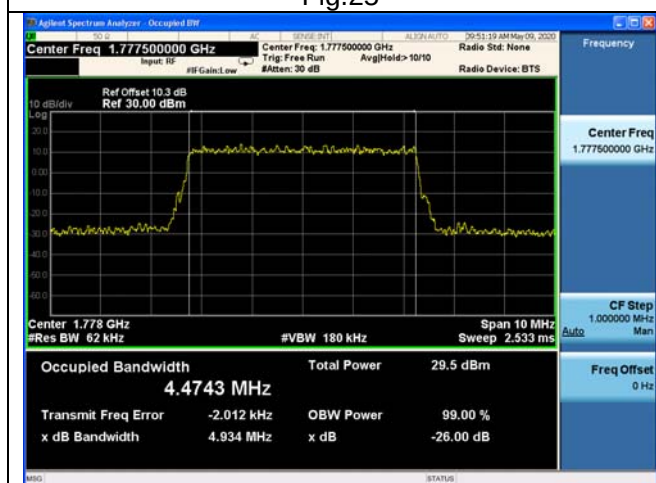


Fig.27

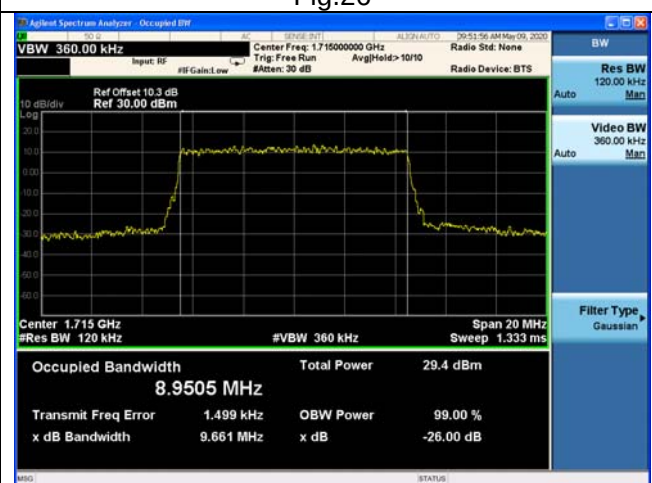


Fig.28

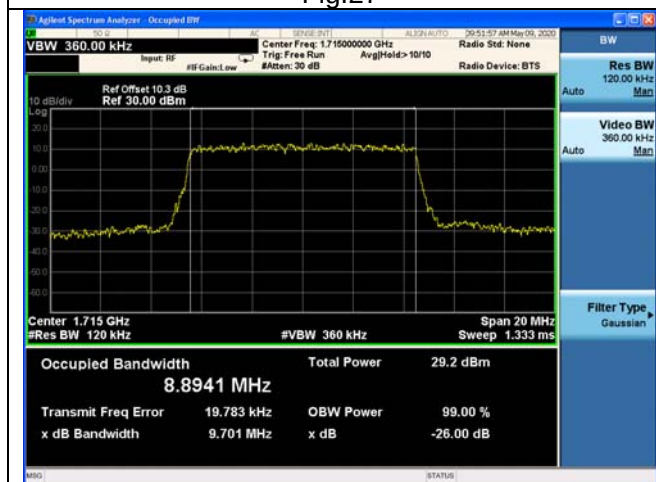


Fig.29

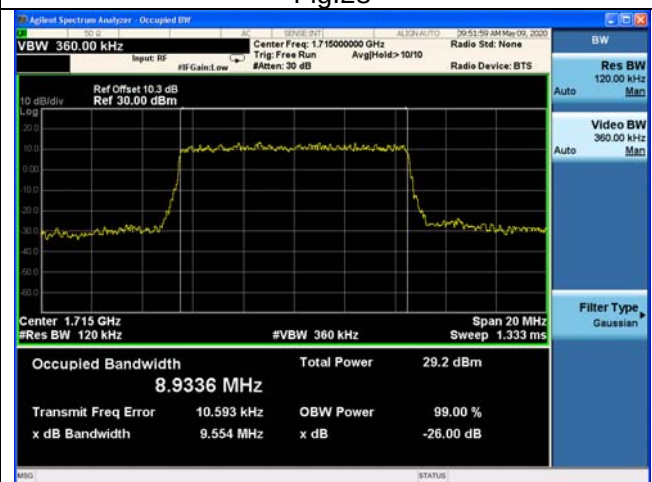


Fig.30

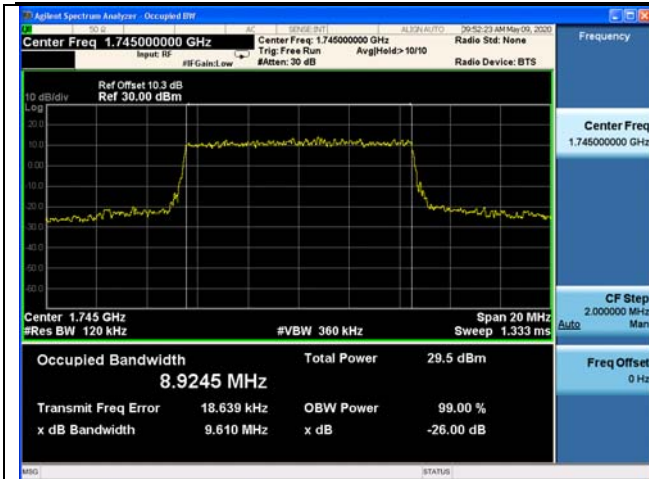


Fig.31

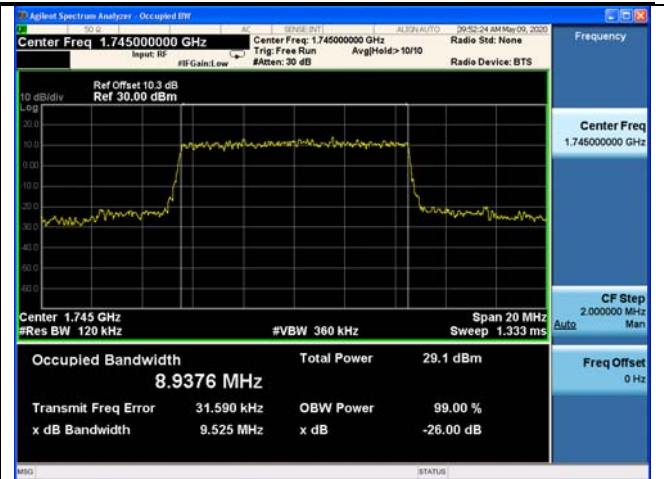


Fig.32

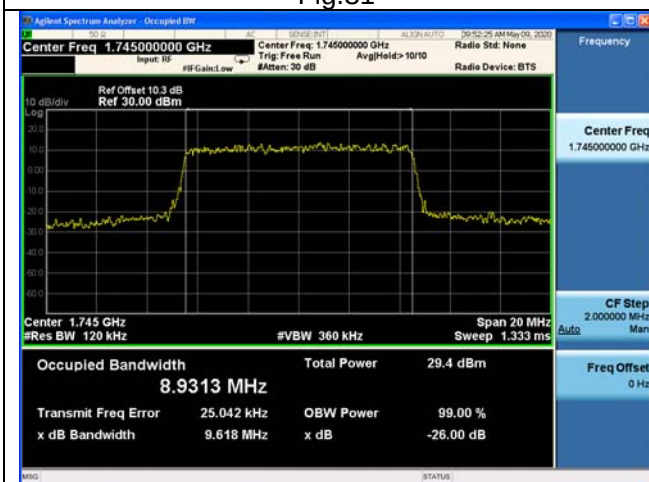


Fig.33

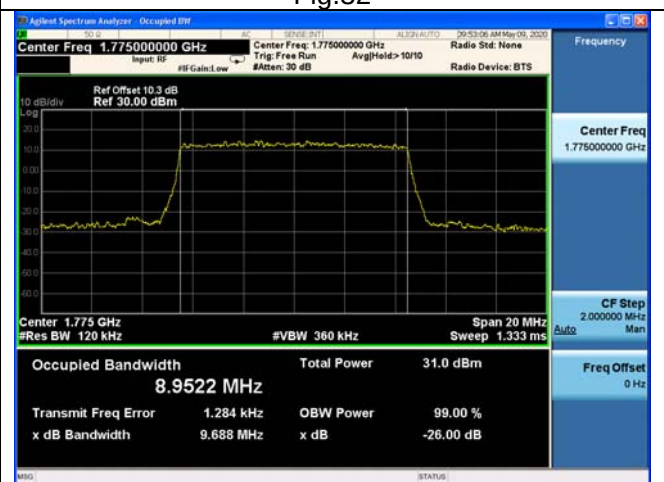


Fig.34

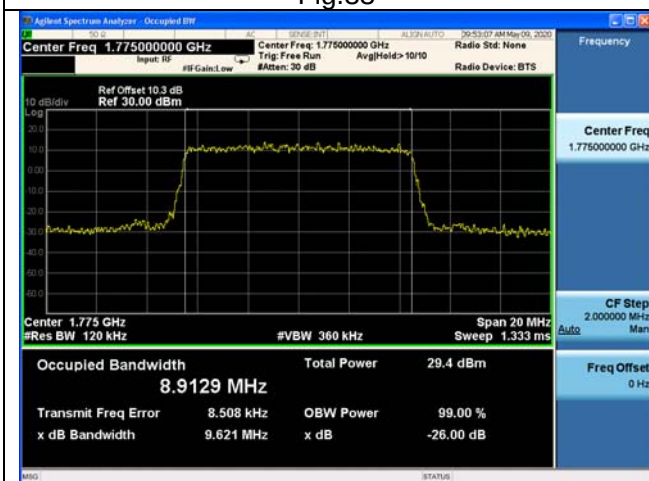


Fig.35

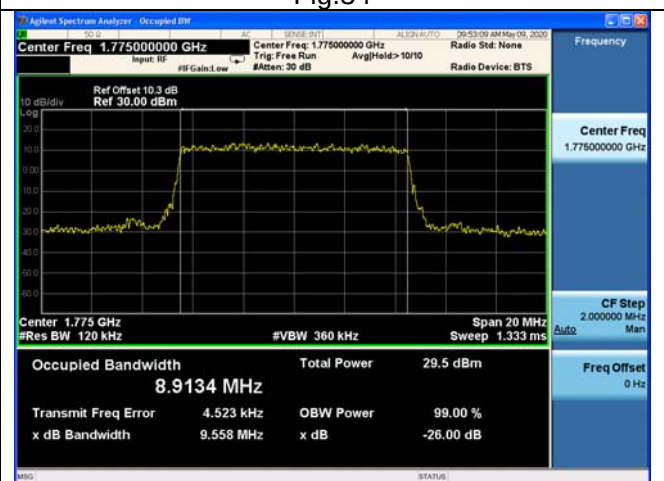


Fig.36

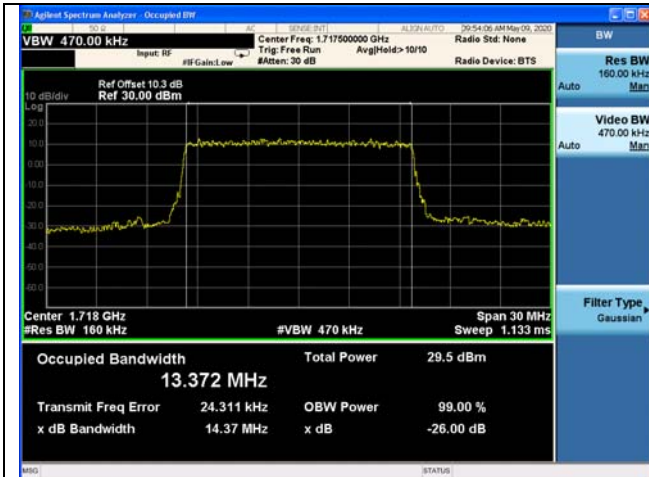


Fig.37

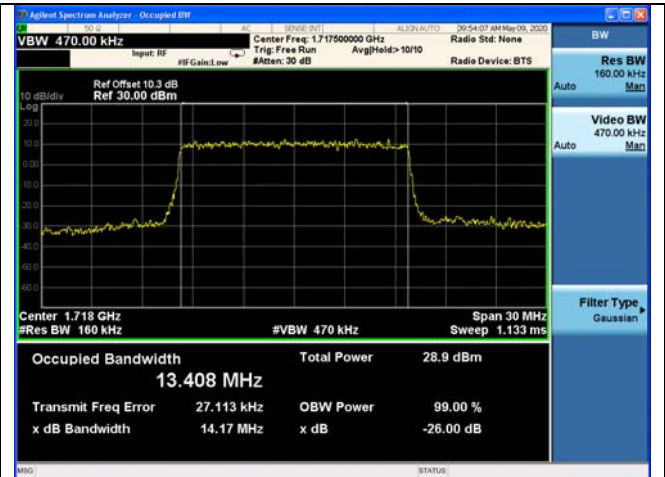


Fig.38

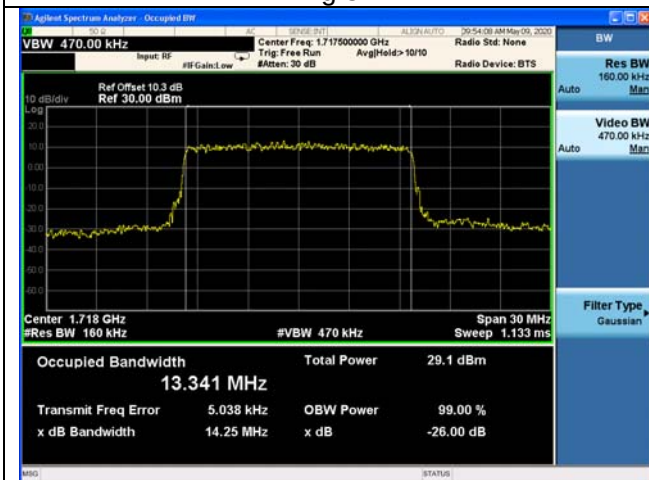


Fig.39

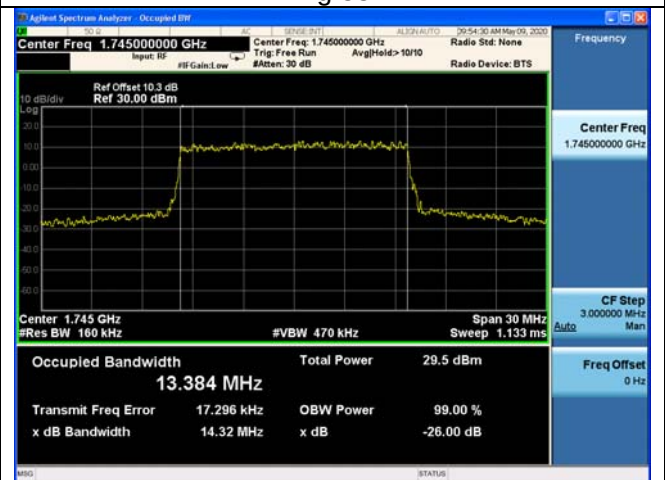


Fig.40

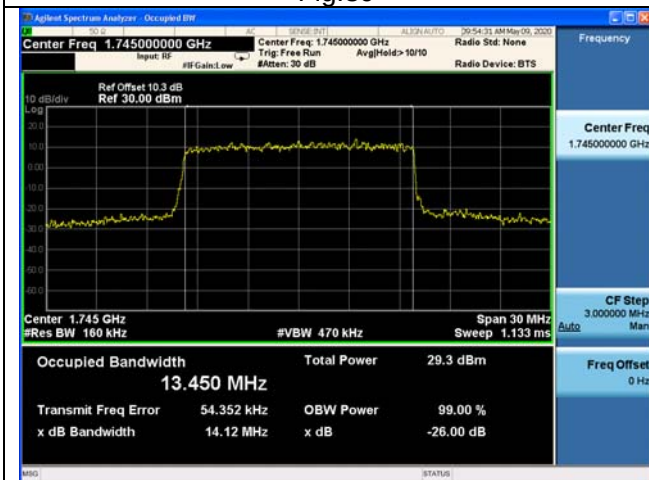


Fig.41

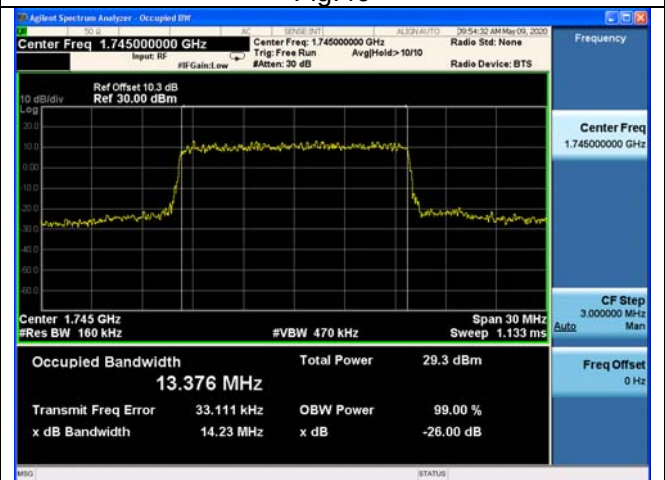


Fig.42



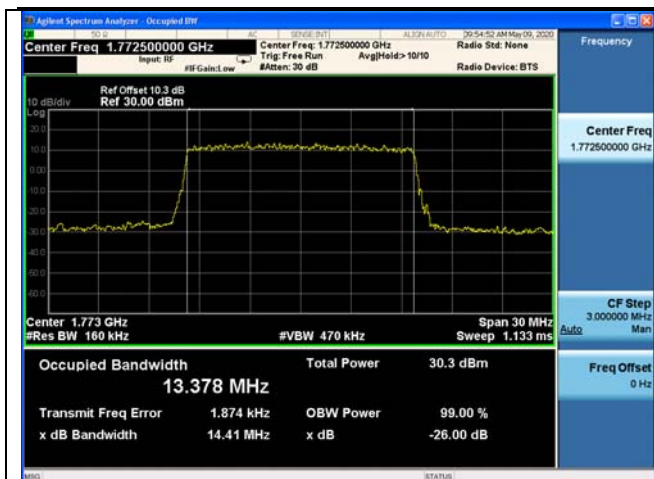


Fig.43

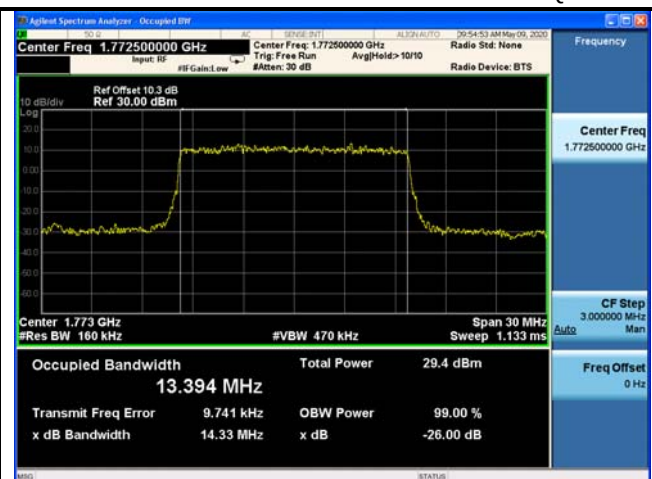


Fig.44

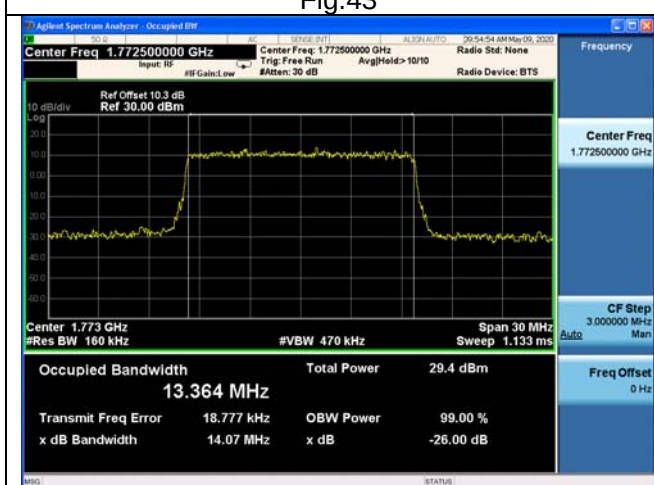


Fig.45

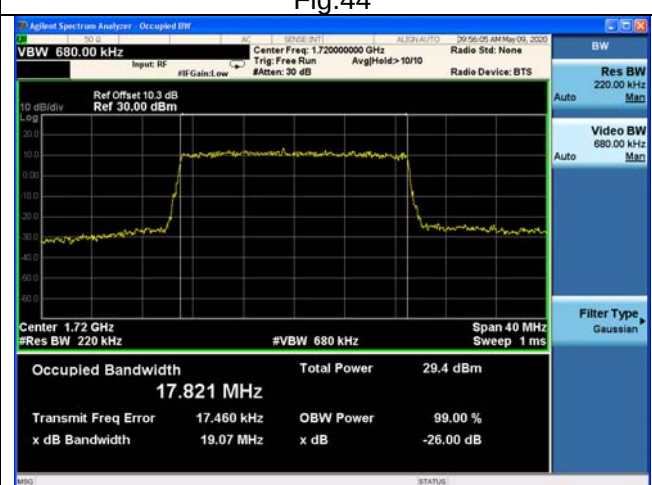


Fig.46

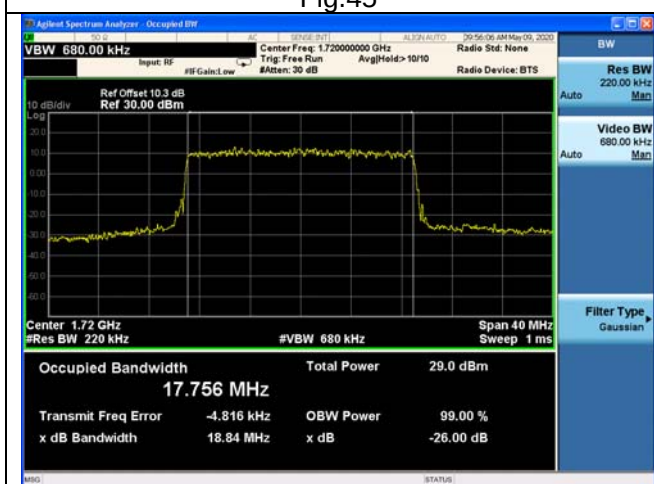


Fig.47

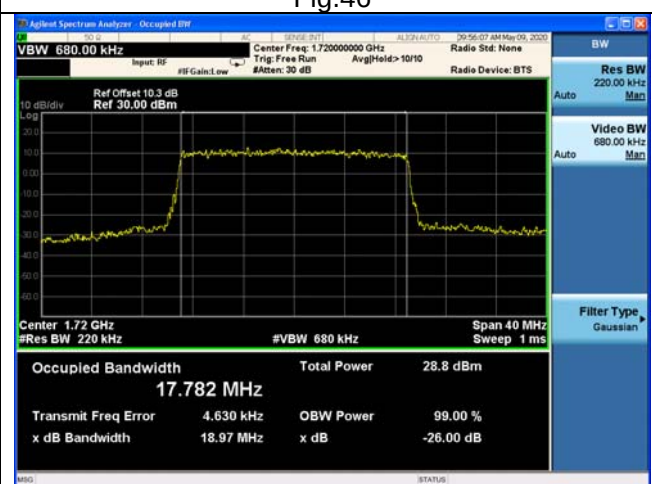


Fig.48

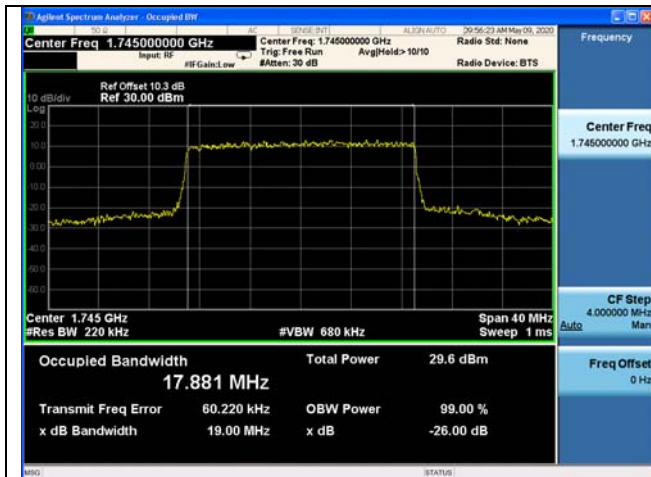


Fig.49

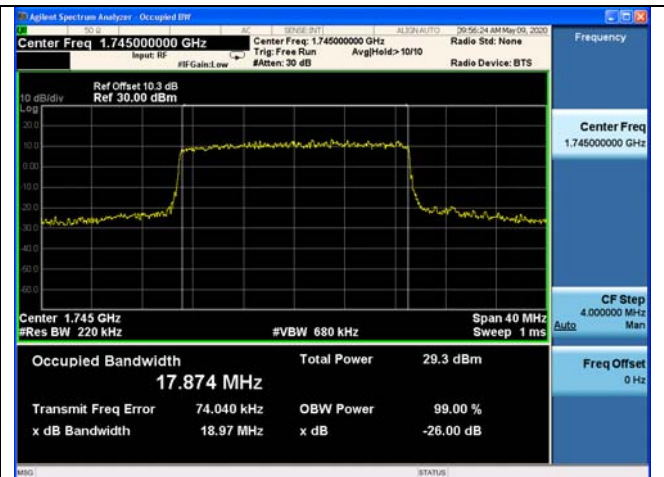


Fig.50

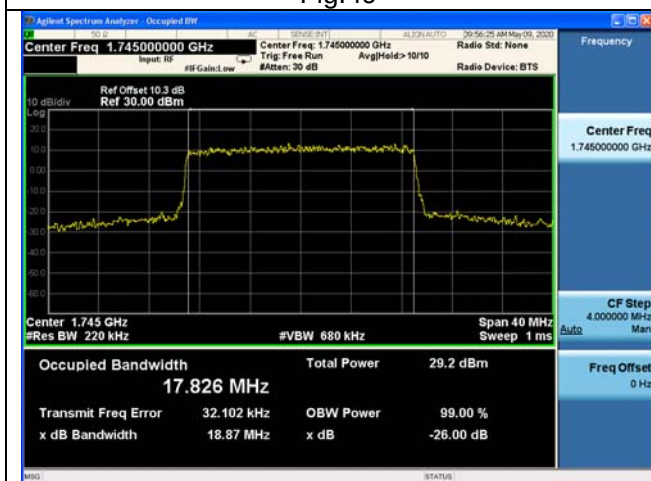


Fig.51

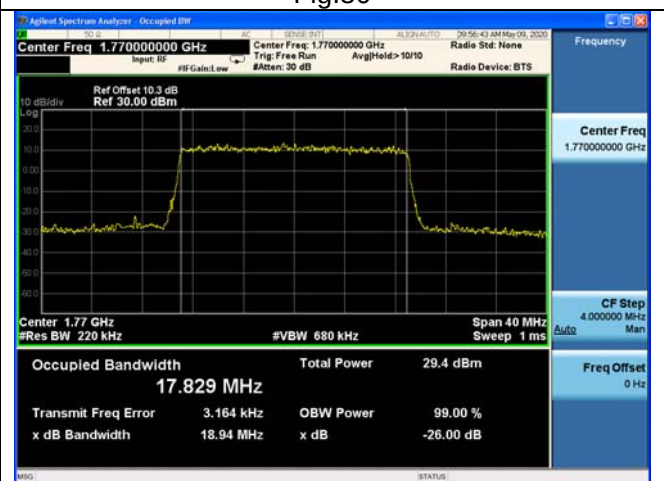


Fig.52

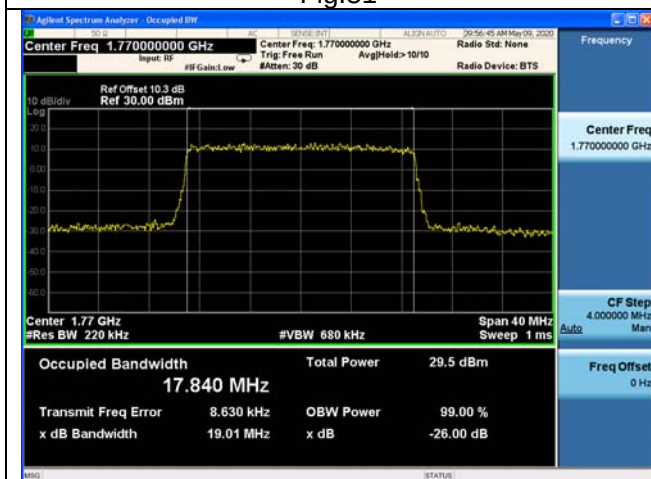


Fig.53

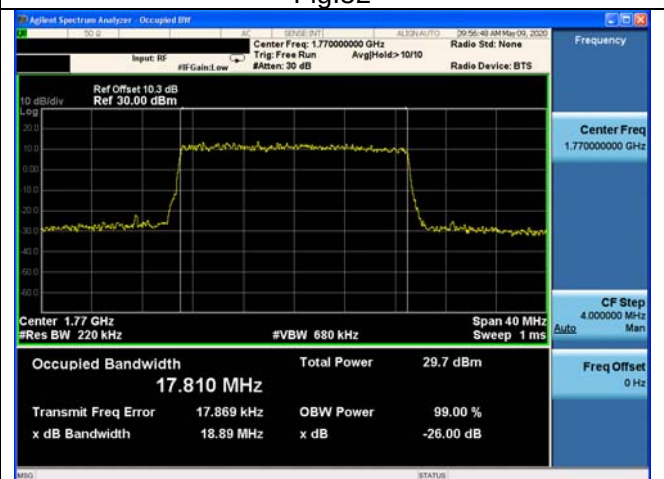


Fig.54



### 3 Peak-Average Ratio

| Band | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | QPSK   | 16-QAM | 64-QAM |
|------|-------------------------|---------|----------|---------|-----------|--------|--------|--------|
| 66   | 1745                    | 132322  | 1.4      | 1       | 0         | Fig.1  | Fig.2  | Fig.3  |
|      |                         |         | 3        | 1       | 0         | Fig.4  | Fig.5  | Fig.6  |
|      |                         |         | 5        | 1       | 0         | Fig.7  | Fig.8  | Fig.9  |
|      |                         |         | 10       | 1       | 0         | Fig.10 | Fig.11 | Fig.12 |
|      |                         |         | 15       | 1       | 0         | Fig.13 | Fig.14 | Fig.15 |
|      |                         |         | 20       | 1       | 0         | Fig.16 | Fig.17 | Fig.18 |



Fig.1



Fig.2



Fig.3



Fig.4



Fig.5

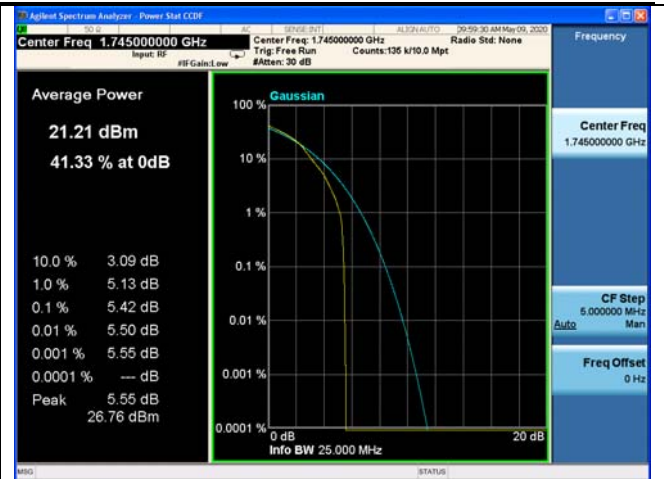


Fig.6

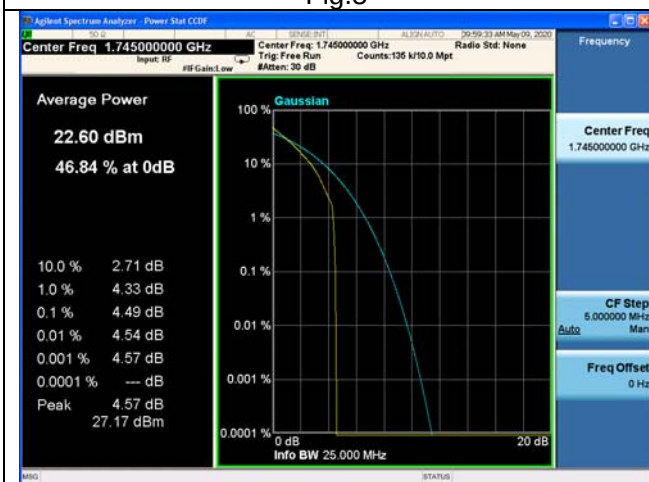


Fig.7

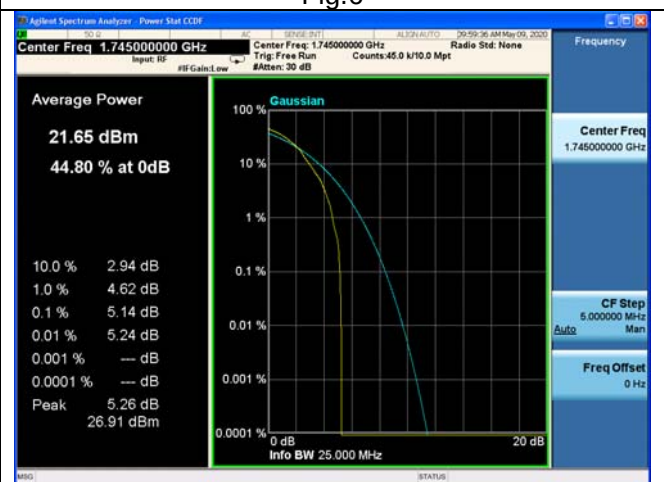


Fig.8



Fig.9

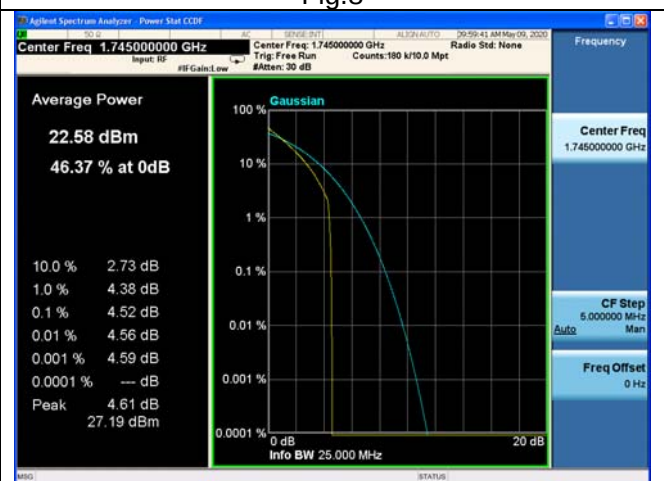


Fig.10



Fig.11



Fig.12



Fig.13



Fig.14



Fig.15



Fig.16

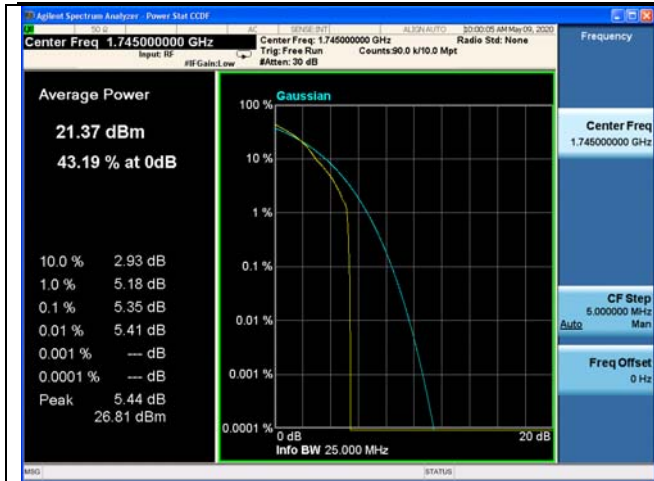


Fig.17



Fig.18



#### 4 Spurious Emissions at antenna terminal

| Band | Carrier frequency (MHz) | Channel | BW | RB Size | RB Offset | Conducted Spurious Plot |
|------|-------------------------|---------|----|---------|-----------|-------------------------|
|      |                         |         |    |         |           | QPSK                    |
| 66   | 1720                    | 132072  | 20 | 1       | 0         | Fig.1                   |
|      | 1745                    | 132322  | 20 | 1       | 0         | Fig.2                   |
|      | 1770                    | 132572  | 20 | 1       | 0         | Fig.3                   |

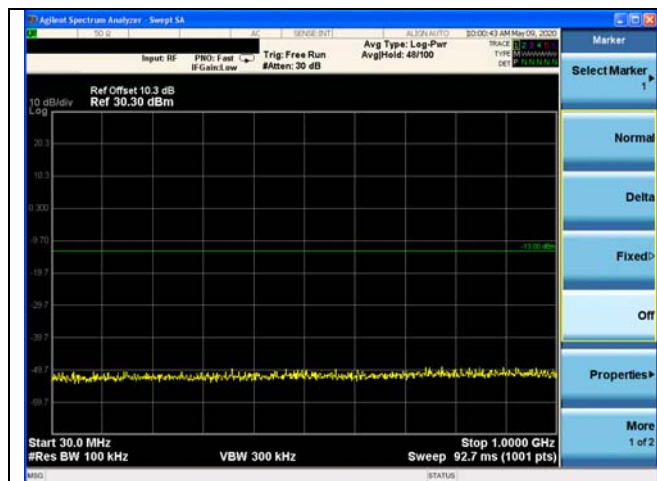


Fig.1



Fig.2

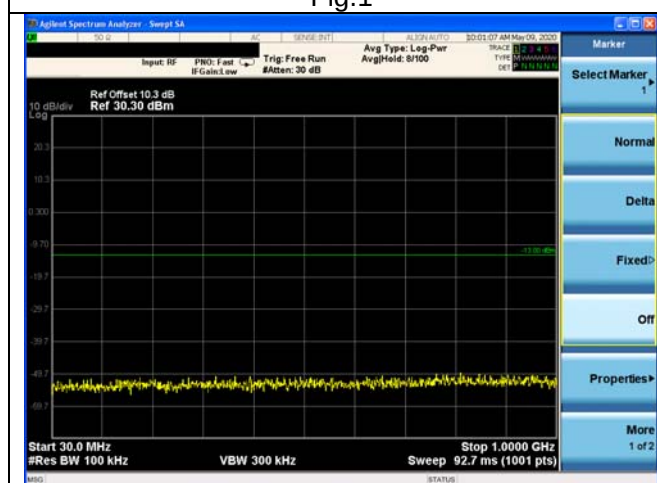
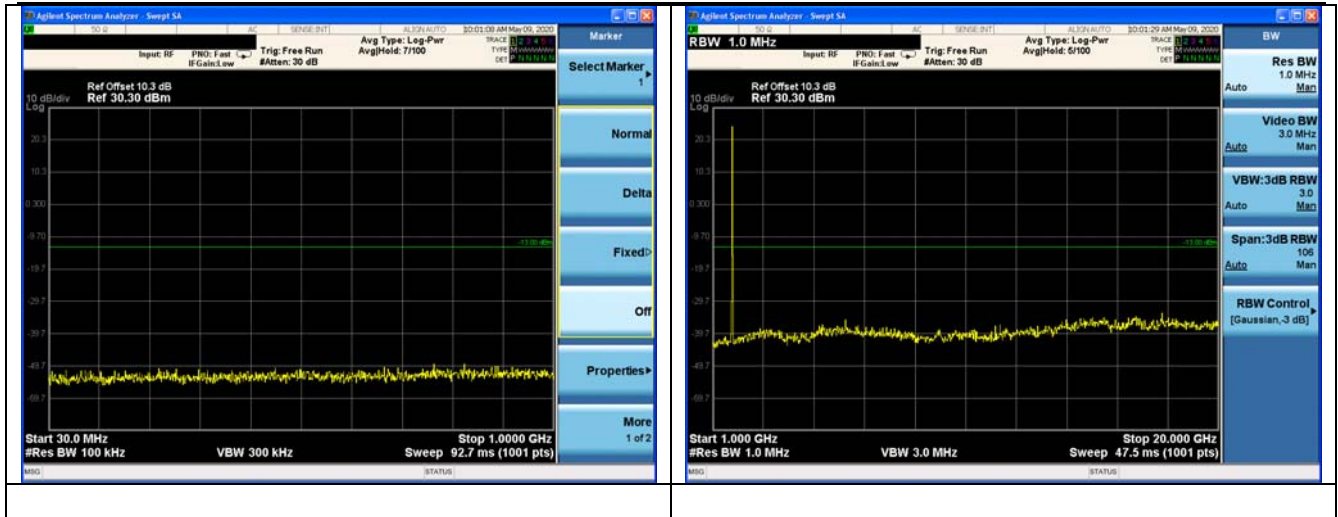


Fig3





## 5 Band Edges Compliance

Test result

| Band | Carrier frequency (MHz) | Channel | BW  | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|---------|-----|---------|-----------|-----------------|
|      |                         |         |     |         |           | QPSK            |
| 66   | 1710.7                  | 131979  | 1.4 | 1       | 0         | Fig.1           |
|      |                         |         |     | 6       | 0         | Fig.2           |
|      | 1779.3                  | 132665  |     | 1       | 5         | Fig.3           |
|      |                         |         |     | 6       | 0         | Fig.4           |
|      | 1711.5                  | 131987  | 3   | 1       | 0         | Fig.5           |
|      |                         |         |     | 15      | 0         | Fig.6           |
|      | 1778.5                  | 132657  |     | 1       | 14        | Fig.7           |
|      |                         |         |     | 15      | 0         | Fig.8           |
|      | 1712.5                  | 131997  | 5   | 1       | 0         | Fig.9           |
|      |                         |         |     | 25      | 0         | Fig.10          |
|      | 1777.5                  | 132647  |     | 1       | 24        | Fig.11          |
|      |                         |         |     | 25      | 0         | Fig.12          |
|      | 1715                    | 132022  | 10  | 1       | 0         | Fig.13          |
|      |                         |         |     | 50      | 0         | Fig.14          |
|      | 1775                    | 132622  |     | 1       | 49        | Fig.15          |
|      |                         |         |     | 50      | 0         | Fig.16          |
|      | 1717.5                  | 132047  | 15  | 1       | 0         | Fig.17          |
|      |                         |         |     | 75      | 0         | Fig.18          |
|      | 1772.5                  | 132597  |     | 1       | 74        | Fig.19          |
|      |                         |         |     | 75      | 0         | Fig.20          |
|      | 1720                    | 132072  | 20  | 1       | 0         | Fig.21          |
|      |                         |         |     | 100     | 0         | Fig.22          |
|      | 1770                    | 132572  |     | 1       | 99        | Fig.23          |
|      |                         |         |     | 100     | 0         | Fig.24          |

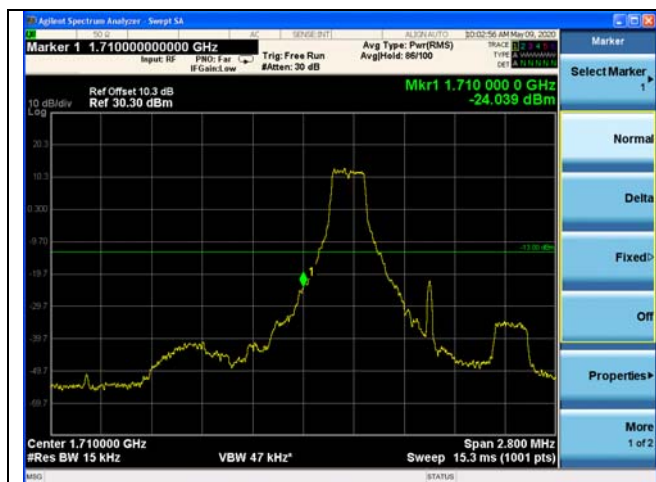


Fig.1



Fig.2

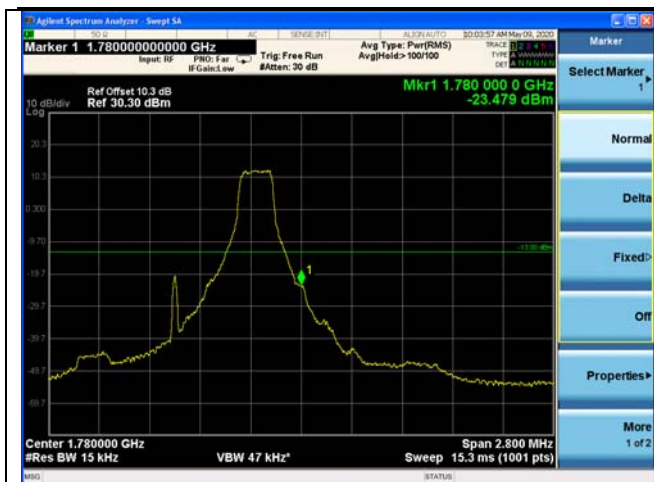


Fig.3



Fig.4

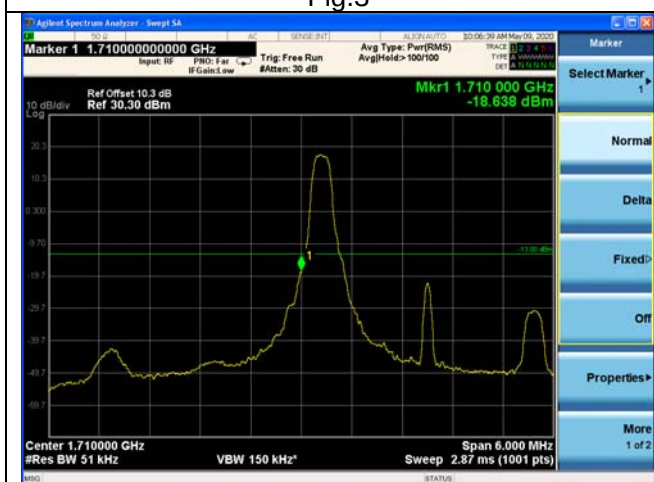


Fig.5



Fig.6

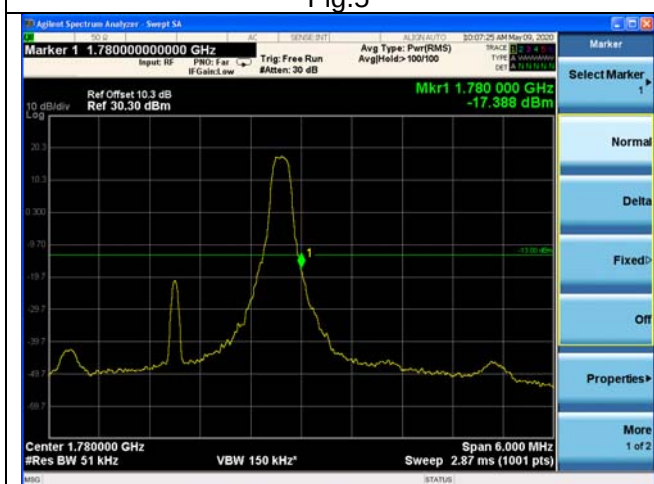


Fig.7



Fig.8



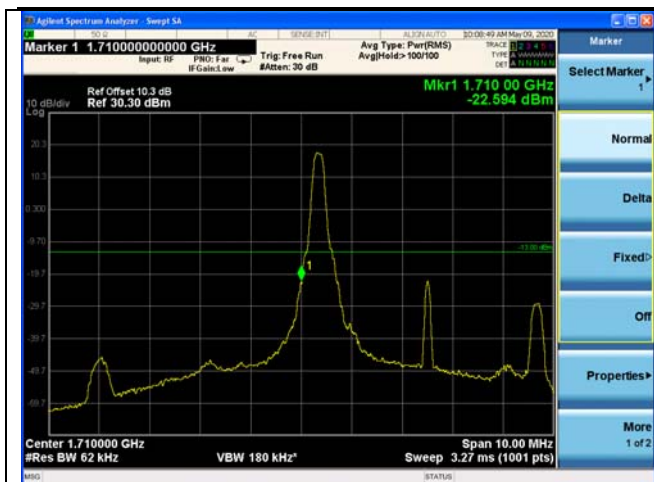


Fig.9



Fig.10

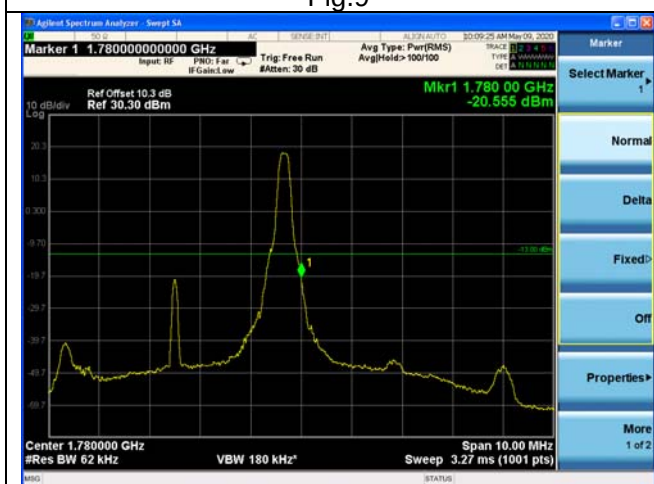


Fig.11



Fig.12

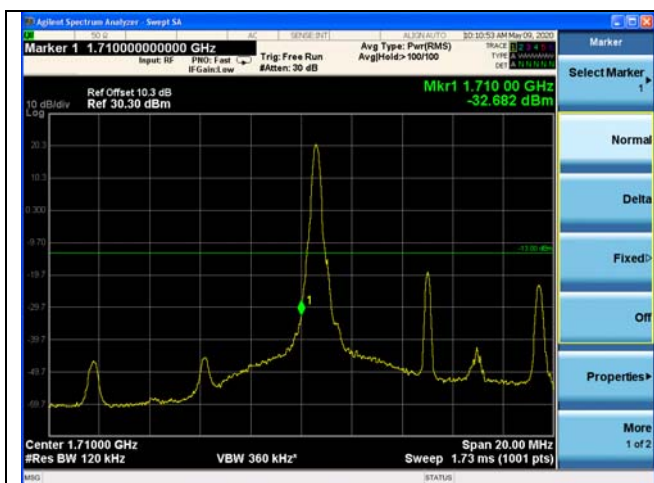


Fig.13



Fig.14

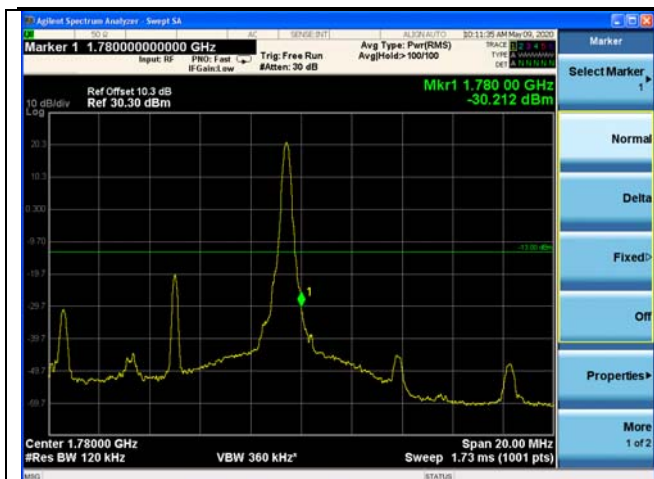


Fig.15



Fig.16

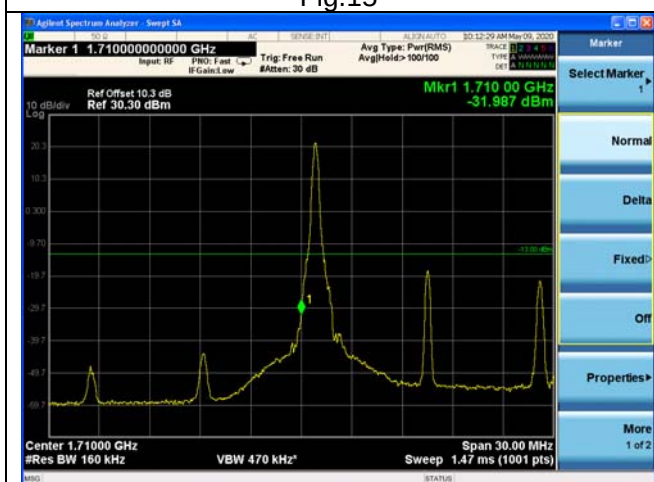


Fig.17

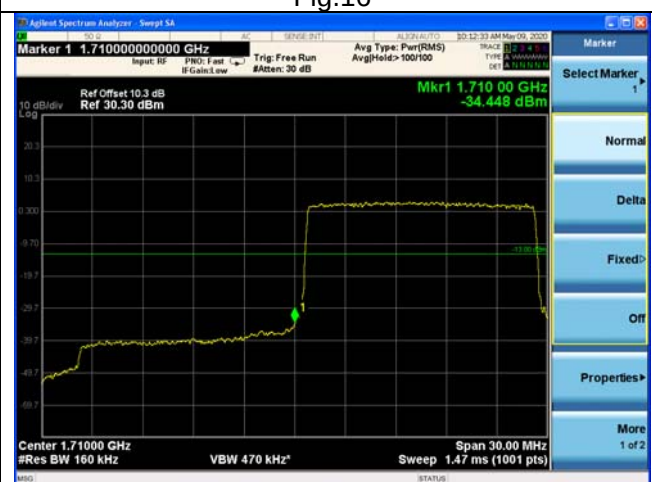


Fig.18

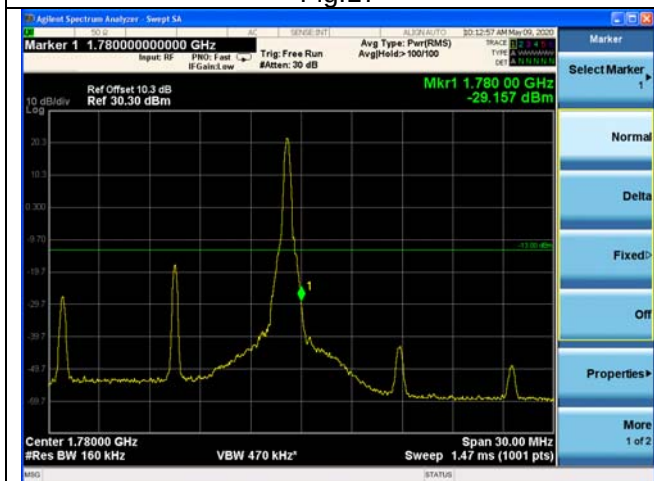


Fig.19



Fig.20

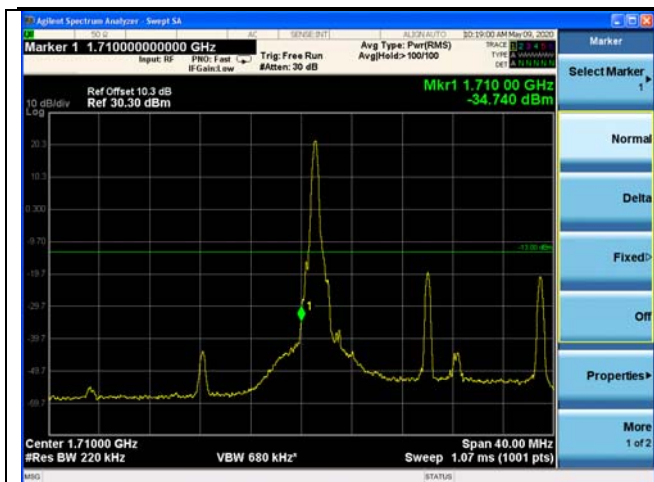


Fig.21



Fig.22

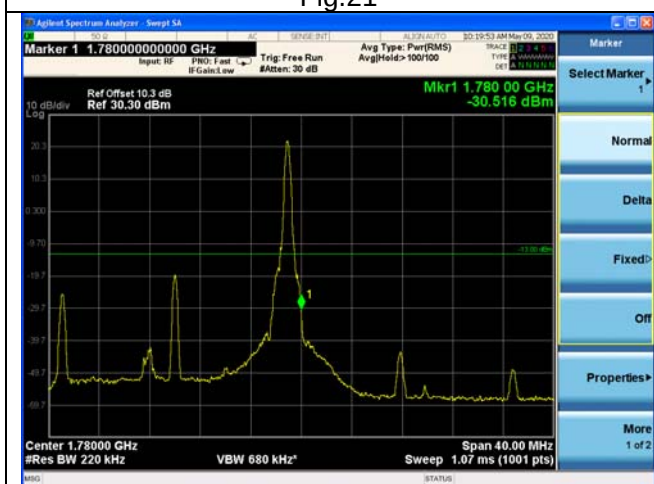


Fig.23



Fig.24

## 6 Frequency Stability

Test result:

| Temperature(°C) | Voltage | Test Result (ppm) Band66 Low Channel |        |        |        |        |        |
|-----------------|---------|--------------------------------------|--------|--------|--------|--------|--------|
|                 |         | 1.4M                                 | 3M     | 5M     | 10M    | 15M    | 20M    |
| -10             | NV      | 0.037                                | 0.082  | 0.054  | 0.041  | -0.036 | -0.023 |
| 0               | NV      | -0.022                               | 0.038  | -0.057 | -0.058 | -0.042 | 0.037  |
| +10             | NV      | 0.034                                | 0.000  | 0.047  | 0.034  | 0.022  | 0.042  |
| +20             | NV      | 0.000                                | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| +30             | NV      | 0.099                                | -0.040 | 0.000  | 0.057  | 0.024  | 0.009  |
| +40             | NV      | 0.072                                | -0.086 | -0.076 | 0.077  | 0.063  | 0.059  |
| +50             | NV      | -0.059                               | 0.062  | 0.023  | -0.026 | -0.045 | 0.012  |
| +55             | NV      | -0.013                               | 0.041  | -0.020 | -0.093 | 0.095  | 0.065  |
| +20             | LV      | -0.005                               | -0.049 | -0.025 | 0.012  | -0.049 | -0.033 |
| +20             | HV      | 0.028                                | -0.047 | 0.046  | 0.014  | 0.041  | 0.100  |

| Temperature(°C) | Voltage | Test Result (ppm) Band66 High Channel |        |        |        |        |        |
|-----------------|---------|---------------------------------------|--------|--------|--------|--------|--------|
|                 |         | 1.4M                                  | 3M     | 5M     | 10M    | 15M    | 20M    |
| -10             | NV      | 0.015                                 | 0.079  | 0.028  | 0.083  | 0.073  | 0.010  |
| 0               | NV      | 0.007                                 | -0.099 | -0.020 | 0.083  | 0.060  | 0.047  |
| +10             | NV      | 0.100                                 | -0.041 | -0.059 | -0.011 | -0.083 | 0.007  |
| +20             | NV      | 0.000                                 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| +30             | NV      | 0.084                                 | 0.010  | -0.048 | 0.081  | 0.073  | 0.100  |
| +40             | NV      | 0.004                                 | -0.040 | -0.019 | -0.069 | -0.060 | -0.082 |
| +50             | NV      | -0.045                                | 0.001  | 0.050  | 0.013  | 0.095  | -0.098 |
| +55             | NV      | 0.025                                 | 0.055  | 0.053  | -0.090 | -0.016 | -0.081 |
| +20             | LV      | -0.023                                | 0.041  | 0.001  | 0.003  | 0.077  | 0.029  |
| +20             | HV      | -0.100                                | -0.100 | -0.016 | -0.054 | 0.055  | -0.046 |