

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

### LTE Band 12

#### 1 RF Power Output

| Modulation | Carrier frequency (MHz) | UL Channel | BW  | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|-----|---------|-----------|-----------------------|
| 16QAM      | 699.7                   | 23017      | 1.4 | 1       | 0         | 22.12                 |
| 16QAM      | 699.7                   | 23017      | 1.4 | 1       | 3         | 22.60                 |
| 16QAM      | 699.7                   | 23017      | 1.4 | 1       | 5         | 22.65                 |
| 16QAM      | 699.7                   | 23017      | 1.4 | 3       | 0         | 22.06                 |
| 16QAM      | 699.7                   | 23017      | 1.4 | 3       | 1         | 22.02                 |
| 16QAM      | 699.7                   | 23017      | 1.4 | 3       | 3         | 22.07                 |
| 16QAM      | 699.7                   | 23017      | 1.4 | 6       | 0         | 21.34                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 1       | 0         | 22.58                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 1       | 3         | 22.68                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 1       | 5         | 22.65                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 3       | 0         | 22.85                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 3       | 1         | 22.80                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 3       | 3         | 22.81                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 6       | 0         | 21.71                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 1       | 0         | 23.06                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 1       | 3         | 23.10                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 1       | 5         | 22.98                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 3       | 0         | 22.78                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 3       | 1         | 22.70                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 3       | 3         | 22.73                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 6       | 0         | 21.89                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 1       | 0         | 22.20                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 1       | 3         | 21.96                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 1       | 5         | 22.05                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 3       | 0         | 21.77                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 3       | 1         | 21.84                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 3       | 3         | 21.85                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 6       | 0         | 18.82                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 1       | 0         | 21.46                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 1       | 3         | 21.43                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 1       | 5         | 21.49                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 3       | 0         | 21.75                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 3       | 1         | 21.57                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 3       | 3         | 21.64                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 6       | 0         | 19.50                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 1       | 0         | 21.26                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 1       | 3         | 21.16                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 1       | 5         | 21.39                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 3       | 0         | 21.50                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 3       | 1         | 21.40                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 3       | 3         | 21.60                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 6       | 0         | 18.96                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW  | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|-----|---------|-----------|-----------------------|
| QPSK       | 707.5                   | 23095      | 1.4 | 1       | 0         | 23.32                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 1       | 3         | 23.35                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 1       | 5         | 23.41                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 3       | 0         | 23.40                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 3       | 1         | 23.33                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 3       | 3         | 23.32                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 6       | 0         | 22.48                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 1       | 0         | 23.58                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 1       | 3         | 23.54                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 1       | 5         | 23.65                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 3       | 0         | 23.67                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 3       | 1         | 23.70                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 3       | 3         | 23.60                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 6       | 0         | 22.51                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| 16QAM      | 700.5                   | 23025      | 3  | 1       | 0         | 22.50                 |
| 16QAM      | 700.5                   | 23025      | 3  | 1       | 8         | 22.58                 |
| 16QAM      | 700.5                   | 23025      | 3  | 1       | 14        | 23.40                 |
| 16QAM      | 700.5                   | 23025      | 3  | 8       | 0         | 21.75                 |
| 16QAM      | 700.5                   | 23025      | 3  | 8       | 4         | 21.71                 |
| 16QAM      | 700.5                   | 23025      | 3  | 8       | 7         | 21.69                 |
| 16QAM      | 700.5                   | 23025      | 3  | 15      | 0         | 21.60                 |
| 16QAM      | 707.5                   | 23095      | 3  | 1       | 0         | 23.01                 |
| 16QAM      | 707.5                   | 23095      | 3  | 1       | 8         | 22.94                 |
| 16QAM      | 707.5                   | 23095      | 3  | 1       | 14        | 23.04                 |
| 16QAM      | 707.5                   | 23095      | 3  | 8       | 0         | 21.61                 |
| 16QAM      | 707.5                   | 23095      | 3  | 8       | 4         | 21.59                 |
| 16QAM      | 707.5                   | 23095      | 3  | 8       | 7         | 21.53                 |
| 16QAM      | 707.5                   | 23095      | 3  | 15      | 0         | 21.60                 |
| 16QAM      | 714.5                   | 23165      | 3  | 1       | 0         | 22.30                 |
| 16QAM      | 714.5                   | 23165      | 3  | 1       | 8         | 22.87                 |
| 16QAM      | 714.5                   | 23165      | 3  | 1       | 14        | 23.04                 |
| 16QAM      | 714.5                   | 23165      | 3  | 8       | 0         | 21.78                 |
| 16QAM      | 714.5                   | 23165      | 3  | 8       | 4         | 21.63                 |
| 16QAM      | 714.5                   | 23165      | 3  | 8       | 7         | 21.53                 |
| 16QAM      | 714.5                   | 23165      | 3  | 15      | 0         | 21.54                 |
| 64QAM      | 700.5                   | 23025      | 3  | 1       | 0         | 22.03                 |
| 64QAM      | 700.5                   | 23025      | 3  | 1       | 8         | 22.04                 |
| 64QAM      | 700.5                   | 23025      | 3  | 1       | 14        | 22.11                 |
| 64QAM      | 700.5                   | 23025      | 3  | 8       | 0         | 19.25                 |
| 64QAM      | 700.5                   | 23025      | 3  | 8       | 4         | 19.81                 |
| 64QAM      | 700.5                   | 23025      | 3  | 8       | 7         | 19.96                 |
| 64QAM      | 700.5                   | 23025      | 3  | 15      | 0         | 19.47                 |
| 64QAM      | 707.5                   | 23095      | 3  | 1       | 0         | 21.14                 |
| 64QAM      | 707.5                   | 23095      | 3  | 1       | 8         | 21.28                 |
| 64QAM      | 707.5                   | 23095      | 3  | 1       | 14        | 21.24                 |
| 64QAM      | 707.5                   | 23095      | 3  | 8       | 0         | 19.46                 |
| 64QAM      | 707.5                   | 23095      | 3  | 8       | 4         | 19.63                 |
| 64QAM      | 707.5                   | 23095      | 3  | 8       | 7         | 19.74                 |
| 64QAM      | 707.5                   | 23095      | 3  | 15      | 0         | 19.64                 |
| 64QAM      | 714.5                   | 23165      | 3  | 1       | 0         | 22.21                 |
| 64QAM      | 714.5                   | 23165      | 3  | 1       | 8         | 22.17                 |
| 64QAM      | 714.5                   | 23165      | 3  | 1       | 14        | 22.23                 |
| 64QAM      | 714.5                   | 23165      | 3  | 8       | 0         | 19.80                 |
| 64QAM      | 714.5                   | 23165      | 3  | 8       | 4         | 19.36                 |
| 64QAM      | 714.5                   | 23165      | 3  | 8       | 7         | 18.90                 |
| 64QAM      | 714.5                   | 23165      | 3  | 15      | 0         | 19.50                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 700.5                   | 23025      | 3  | 1       | 0         | 23.37                 |
| QPSK       | 700.5                   | 23025      | 3  | 1       | 8         | 23.37                 |
| QPSK       | 700.5                   | 23025      | 3  | 1       | 14        | 23.43                 |
| QPSK       | 700.5                   | 23025      | 3  | 8       | 0         | 22.36                 |
| QPSK       | 700.5                   | 23025      | 3  | 8       | 4         | 22.35                 |
| QPSK       | 700.5                   | 23025      | 3  | 8       | 7         | 22.33                 |
| QPSK       | 700.5                   | 23025      | 3  | 15      | 0         | 22.35                 |
| QPSK       | 707.5                   | 23095      | 3  | 1       | 0         | 23.53                 |
| QPSK       | 707.5                   | 23095      | 3  | 1       | 8         | 23.77                 |
| QPSK       | 707.5                   | 23095      | 3  | 1       | 14        | 23.59                 |
| QPSK       | 707.5                   | 23095      | 3  | 8       | 0         | 22.35                 |
| QPSK       | 707.5                   | 23095      | 3  | 8       | 4         | 22.23                 |
| QPSK       | 707.5                   | 23095      | 3  | 8       | 7         | 22.33                 |
| QPSK       | 707.5                   | 23095      | 3  | 15      | 0         | 22.46                 |
| QPSK       | 714.5                   | 23165      | 3  | 1       | 0         | 23.91                 |
| QPSK       | 714.5                   | 23165      | 3  | 1       | 8         | 23.93                 |
| QPSK       | 714.5                   | 23165      | 3  | 1       | 14        | 23.57                 |
| QPSK       | 714.5                   | 23165      | 3  | 8       | 0         | 22.52                 |
| QPSK       | 714.5                   | 23165      | 3  | 8       | 4         | 22.51                 |
| QPSK       | 714.5                   | 23165      | 3  | 8       | 7         | 22.49                 |
| QPSK       | 714.5                   | 23165      | 3  | 15      | 0         | 22.56                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| 16QAM      | 701.5                   | 23035      | 5  | 1       | 0         | 22.01                 |
| 16QAM      | 701.5                   | 23035      | 5  | 1       | 12        | 22.08                 |
| 16QAM      | 701.5                   | 23035      | 5  | 1       | 24        | 22.11                 |
| 16QAM      | 701.5                   | 23035      | 5  | 12      | 0         | 21.38                 |
| 16QAM      | 701.5                   | 23035      | 5  | 12      | 7         | 21.57                 |
| 16QAM      | 701.5                   | 23035      | 5  | 12      | 13        | 21.43                 |
| 16QAM      | 701.5                   | 23035      | 5  | 25      | 0         | 21.71                 |
| 16QAM      | 707.5                   | 23095      | 5  | 1       | 0         | 23.12                 |
| 16QAM      | 707.5                   | 23095      | 5  | 1       | 12        | 23.19                 |
| 16QAM      | 707.5                   | 23095      | 5  | 1       | 24        | 23.17                 |
| 16QAM      | 707.5                   | 23095      | 5  | 12      | 0         | 21.26                 |
| 16QAM      | 707.5                   | 23095      | 5  | 12      | 7         | 21.27                 |
| 16QAM      | 707.5                   | 23095      | 5  | 12      | 13        | 21.13                 |
| 16QAM      | 707.5                   | 23095      | 5  | 25      | 0         | 21.50                 |
| 16QAM      | 713.5                   | 23155      | 5  | 1       | 0         | 22.36                 |
| 16QAM      | 713.5                   | 23155      | 5  | 1       | 12        | 22.53                 |
| 16QAM      | 713.5                   | 23155      | 5  | 1       | 24        | 22.42                 |
| 16QAM      | 713.5                   | 23155      | 5  | 12      | 0         | 21.61                 |
| 16QAM      | 713.5                   | 23155      | 5  | 12      | 7         | 21.66                 |
| 16QAM      | 713.5                   | 23155      | 5  | 12      | 13        | 21.58                 |
| 16QAM      | 713.5                   | 23155      | 5  | 25      | 0         | 21.67                 |
| 64QAM      | 701.5                   | 23035      | 5  | 1       | 0         | 21.01                 |
| 64QAM      | 701.5                   | 23035      | 5  | 1       | 12        | 21.12                 |
| 64QAM      | 701.5                   | 23035      | 5  | 1       | 24        | 21.11                 |
| 64QAM      | 701.5                   | 23035      | 5  | 12      | 0         | 19.40                 |
| 64QAM      | 701.5                   | 23035      | 5  | 12      | 7         | 19.94                 |
| 64QAM      | 701.5                   | 23035      | 5  | 12      | 13        | 19.47                 |
| 64QAM      | 701.5                   | 23035      | 5  | 25      | 0         | 19.38                 |
| 64QAM      | 707.5                   | 23095      | 5  | 1       | 0         | 21.85                 |
| 64QAM      | 707.5                   | 23095      | 5  | 1       | 12        | 21.83                 |
| 64QAM      | 707.5                   | 23095      | 5  | 1       | 24        | 21.75                 |
| 64QAM      | 707.5                   | 23095      | 5  | 12      | 0         | 19.39                 |
| 64QAM      | 707.5                   | 23095      | 5  | 12      | 7         | 19.58                 |
| 64QAM      | 707.5                   | 23095      | 5  | 12      | 13        | 19.75                 |
| 64QAM      | 707.5                   | 23095      | 5  | 25      | 0         | 19.54                 |
| 64QAM      | 713.5                   | 23155      | 5  | 1       | 0         | 21.53                 |
| 64QAM      | 713.5                   | 23155      | 5  | 1       | 12        | 21.62                 |
| 64QAM      | 713.5                   | 23155      | 5  | 1       | 24        | 21.61                 |
| 64QAM      | 713.5                   | 23155      | 5  | 12      | 0         | 20.16                 |
| 64QAM      | 713.5                   | 23155      | 5  | 12      | 7         | 20.09                 |
| 64QAM      | 713.5                   | 23155      | 5  | 12      | 13        | 19.25                 |
| 64QAM      | 713.5                   | 23155      | 5  | 25      | 0         | 19.76                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 701.5                   | 23035      | 5  | 1       | 0         | 23.55                 |
| QPSK       | 701.5                   | 23035      | 5  | 1       | 12        | 23.56                 |
| QPSK       | 701.5                   | 23035      | 5  | 1       | 24        | 23.64                 |
| QPSK       | 701.5                   | 23035      | 5  | 12      | 0         | 22.37                 |
| QPSK       | 701.5                   | 23035      | 5  | 12      | 7         | 22.30                 |
| QPSK       | 701.5                   | 23035      | 5  | 12      | 13        | 22.28                 |
| QPSK       | 701.5                   | 23035      | 5  | 25      | 0         | 22.37                 |
| QPSK       | 707.5                   | 23095      | 5  | 1       | 0         | 23.18                 |
| QPSK       | 707.5                   | 23095      | 5  | 1       | 12        | 23.21                 |
| QPSK       | 707.5                   | 23095      | 5  | 1       | 24        | 23.36                 |
| QPSK       | 707.5                   | 23095      | 5  | 12      | 0         | 22.44                 |
| QPSK       | 707.5                   | 23095      | 5  | 12      | 7         | 22.43                 |
| QPSK       | 707.5                   | 23095      | 5  | 12      | 13        | 22.43                 |
| QPSK       | 707.5                   | 23095      | 5  | 25      | 0         | 22.37                 |
| QPSK       | 713.5                   | 23155      | 5  | 1       | 0         | 23.72                 |
| QPSK       | 713.5                   | 23155      | 5  | 1       | 12        | 23.75                 |
| QPSK       | 713.5                   | 23155      | 5  | 1       | 24        | 23.59                 |
| QPSK       | 713.5                   | 23155      | 5  | 12      | 0         | 22.54                 |
| QPSK       | 713.5                   | 23155      | 5  | 12      | 7         | 22.57                 |
| QPSK       | 713.5                   | 23155      | 5  | 12      | 13        | 22.62                 |
| QPSK       | 713.5                   | 23155      | 5  | 25      | 0         | 22.60                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| 16QAM      | 704                     | 23060      | 10 | 1       | 0         | 22.41                 |
| 16QAM      | 704                     | 23060      | 10 | 1       | 25        | 22.51                 |
| 16QAM      | 704                     | 23060      | 10 | 1       | 49        | 22.55                 |
| 16QAM      | 704                     | 23060      | 10 | 25      | 0         | 21.76                 |
| 16QAM      | 704                     | 23060      | 10 | 25      | 12        | 21.63                 |
| 16QAM      | 704                     | 23060      | 10 | 25      | 25        | 21.54                 |
| 16QAM      | 704                     | 23060      | 10 | 50      | 0         | 21.65                 |
| 16QAM      | 707.5                   | 23095      | 10 | 1       | 0         | 22.94                 |
| 16QAM      | 707.5                   | 23095      | 10 | 1       | 25        | 23.10                 |
| 16QAM      | 707.5                   | 23095      | 10 | 1       | 49        | 23.07                 |
| 16QAM      | 707.5                   | 23095      | 10 | 25      | 0         | 21.47                 |
| 16QAM      | 707.5                   | 23095      | 10 | 25      | 12        | 21.56                 |
| 16QAM      | 707.5                   | 23095      | 10 | 25      | 25        | 21.37                 |
| 16QAM      | 707.5                   | 23095      | 10 | 50      | 0         | 21.60                 |
| 16QAM      | 711                     | 23130      | 10 | 1       | 0         | 22.81                 |
| 16QAM      | 711                     | 23130      | 10 | 1       | 25        | 22.95                 |
| 16QAM      | 711                     | 23130      | 10 | 1       | 49        | 23.06                 |
| 16QAM      | 711                     | 23130      | 10 | 25      | 0         | 21.71                 |
| 16QAM      | 711                     | 23130      | 10 | 25      | 12        | 21.71                 |
| 16QAM      | 711                     | 23130      | 10 | 25      | 25        | 21.84                 |
| 16QAM      | 711                     | 23130      | 10 | 50      | 0         | 21.63                 |
| 64QAM      | 704                     | 23060      | 10 | 1       | 0         | 22.01                 |
| 64QAM      | 704                     | 23060      | 10 | 1       | 25        | 22.12                 |
| 64QAM      | 704                     | 23060      | 10 | 1       | 49        | 22.09                 |
| 64QAM      | 704                     | 23060      | 10 | 25      | 0         | 21.06                 |
| 64QAM      | 704                     | 23060      | 10 | 25      | 12        | 20.51                 |
| 64QAM      | 704                     | 23060      | 10 | 25      | 25        | 19.96                 |
| 64QAM      | 704                     | 23060      | 10 | 50      | 0         | 20.47                 |
| 64QAM      | 707.5                   | 23095      | 10 | 1       | 0         | 21.16                 |
| 64QAM      | 707.5                   | 23095      | 10 | 1       | 25        | 21.25                 |
| 64QAM      | 707.5                   | 23095      | 10 | 1       | 49        | 21.39                 |
| 64QAM      | 707.5                   | 23095      | 10 | 25      | 0         | 19.97                 |
| 64QAM      | 707.5                   | 23095      | 10 | 25      | 12        | 19.95                 |
| 64QAM      | 707.5                   | 23095      | 10 | 25      | 25        | 20.93                 |
| 64QAM      | 707.5                   | 23095      | 10 | 50      | 0         | 20.48                 |
| 64QAM      | 711                     | 23130      | 10 | 1       | 0         | 22.41                 |
| 64QAM      | 711                     | 23130      | 10 | 1       | 25        | 22.44                 |
| 64QAM      | 711                     | 23130      | 10 | 1       | 49        | 22.65                 |
| 64QAM      | 711                     | 23130      | 10 | 25      | 0         | 18.56                 |
| 64QAM      | 711                     | 23130      | 10 | 25      | 12        | 19.66                 |
| 64QAM      | 711                     | 23130      | 10 | 25      | 25        | 20.05                 |
| 64QAM      | 711                     | 23130      | 10 | 50      | 0         | 19.30                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 704                     | 23060      | 10 | 1       | 0         | 23.52                 |
| QPSK       | 704                     | 23060      | 10 | 1       | 25        | 23.65                 |
| QPSK       | 704                     | 23060      | 10 | 1       | 49        | 23.56                 |
| QPSK       | 704                     | 23060      | 10 | 25      | 0         | 22.37                 |
| QPSK       | 704                     | 23060      | 10 | 25      | 12        | 22.45                 |
| QPSK       | 704                     | 23060      | 10 | 25      | 25        | 22.40                 |
| QPSK       | 704                     | 23060      | 10 | 50      | 0         | 22.47                 |
| QPSK       | 707.5                   | 23095      | 10 | 1       | 0         | 23.54                 |
| QPSK       | 707.5                   | 23095      | 10 | 1       | 25        | 23.63                 |
| QPSK       | 707.5                   | 23095      | 10 | 1       | 49        | 23.60                 |
| QPSK       | 707.5                   | 23095      | 10 | 25      | 0         | 22.38                 |
| QPSK       | 707.5                   | 23095      | 10 | 25      | 12        | 22.34                 |
| QPSK       | 707.5                   | 23095      | 10 | 25      | 25        | 22.47                 |
| QPSK       | 707.5                   | 23095      | 10 | 50      | 0         | 22.42                 |
| QPSK       | 711                     | 23130      | 10 | 1       | 0         | 23.25                 |
| QPSK       | 711                     | 23130      | 10 | 1       | 25        | 23.33                 |
| QPSK       | 711                     | 23130      | 10 | 1       | 49        | 23.43                 |
| QPSK       | 711                     | 23130      | 10 | 25      | 0         | 22.35                 |
| QPSK       | 711                     | 23130      | 10 | 25      | 12        | 22.51                 |
| QPSK       | 711                     | 23130      | 10 | 25      | 25        | 22.54                 |
| QPSK       | 711                     | 23130      | 10 | 50      | 0         | 22.52                 |



## 2 Occupied Bandwidth

| Band    | Mode | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) |        |
|---------|------|-------------------------|---------|----------|---------|-----------|------------------------------|--------|
| Band 12 | QPSK | 699.7                   | 23017   | 1.4      | 6       | 0         | 1.088                        | Fig.1  |
| Band 12 | QPSK | 707.5                   | 23095   | 1.4      | 6       | 0         | 1.082                        | Fig.2  |
| Band 12 | QPSK | 715.3                   | 23173   | 1.4      | 6       | 0         | 1.094                        | Fig.3  |
| Band 12 | QPSK | 700.5                   | 23025   | 3        | 15      | 0         | 2.683                        | Fig.4  |
| Band 12 | QPSK | 707.5                   | 23095   | 3        | 15      | 0         | 2.683                        | Fig.5  |
| Band 12 | QPSK | 714.5                   | 23165   | 3        | 15      | 0         | 2.683                        | Fig.6  |
| Band 12 | QPSK | 701.5                   | 23035   | 5        | 25      | 0         | 4.472                        | Fig.7  |
| Band 12 | QPSK | 707.5                   | 23095   | 5        | 25      | 0         | 4.472                        | Fig.8  |
| Band 12 | QPSK | 713.5                   | 23155   | 5        | 25      | 0         | 4.450                        | Fig.9  |
| Band 12 | QPSK | 704                     | 23060   | 10       | 50      | 0         | 8.944                        | Fig.10 |
| Band 12 | QPSK | 707.5                   | 23095   | 10       | 50      | 0         | 8.987                        | Fig.11 |
| Band 12 | QPSK | 711                     | 23130   | 10       | 50      | 0         | 8.944                        | Fig.12 |

| Band    | Mode  | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) |        |
|---------|-------|-------------------------|---------|----------|---------|-----------|------------------------------|--------|
| Band 12 | 16QAM | 699.7                   | 23017   | 1.4      | 6       | 0         | 1.082                        | Fig.13 |
| Band 12 | 16QAM | 707.5                   | 23095   | 1.4      | 6       | 0         | 1.088                        | Fig.14 |
| Band 12 | 16QAM | 715.3                   | 23173   | 1.4      | 6       | 0         | 1.088                        | Fig.15 |
| Band 12 | 16QAM | 700.5                   | 23025   | 3        | 15      | 0         | 2.683                        | Fig.16 |
| Band 12 | 16QAM | 707.5                   | 23095   | 3        | 15      | 0         | 2.683                        | Fig.17 |
| Band 12 | 16QAM | 714.5                   | 23165   | 3        | 15      | 0         | 2.696                        | Fig.18 |
| Band 12 | 16QAM | 701.5                   | 23035   | 5        | 25      | 0         | 4.450                        | Fig.19 |
| Band 12 | 16QAM | 707.5                   | 23095   | 5        | 25      | 0         | 4.493                        | Fig.20 |
| Band 12 | 16QAM | 713.5                   | 23155   | 5        | 25      | 0         | 4.450                        | Fig.21 |
| Band 12 | 16QAM | 704                     | 23060   | 10       | 50      | 0         | 8.944                        | Fig.22 |
| Band 12 | 16QAM | 707.5                   | 23095   | 10       | 50      | 0         | 8.987                        | Fig.23 |
| Band 12 | 16QAM | 711                     | 23130   | 10       | 50      | 0         | 8.944                        | Fig.24 |

| Band    | Mode  | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) |        |
|---------|-------|-------------------------|---------|----------|---------|-----------|------------------------------|--------|
| Band 12 | 64QAM | 699.7                   | 23017   | 1.4      | 6       | 0         | 1.082                        | Fig.25 |
| Band 12 | 64QAM | 707.5                   | 23095   | 1.4      | 6       | 0         | 1.082                        | Fig.26 |
| Band 12 | 64QAM | 715.3                   | 23173   | 1.4      | 6       | 0         | 1.082                        | Fig.27 |
| Band 12 | 64QAM | 700.5                   | 23025   | 3        | 15      | 0         | 2.696                        | Fig.28 |
| Band 12 | 64QAM | 707.5                   | 23095   | 3        | 15      | 0         | 2.683                        | Fig.29 |
| Band 12 | 64QAM | 714.5                   | 23165   | 3        | 15      | 0         | 2.683                        | Fig.30 |
| Band 12 | 64QAM | 701.5                   | 23035   | 5        | 25      | 0         | 4.472                        | Fig.31 |
| Band 12 | 64QAM | 707.5                   | 23095   | 5        | 25      | 0         | 4.515                        | Fig.32 |
| Band 12 | 64QAM | 713.5                   | 23155   | 5        | 25      | 0         | 4.450                        | Fig.33 |
| Band 12 | 64QAM | 704                     | 23060   | 10       | 50      | 0         | 8.944                        | Fig.34 |
| Band 12 | 64QAM | 707.5                   | 23095   | 10       | 50      | 0         | 8.944                        | Fig.35 |
| Band 12 | 64QAM | 711                     | 23130   | 10       | 50      | 0         | 8.900                        | Fig.36 |

Test Mode: QPSK

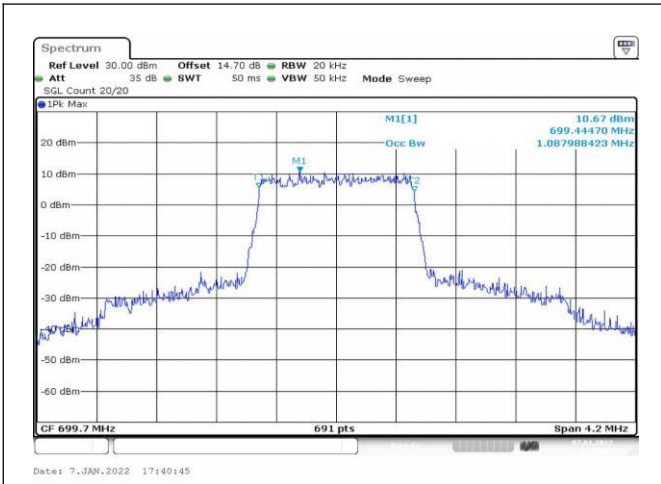


Fig.1

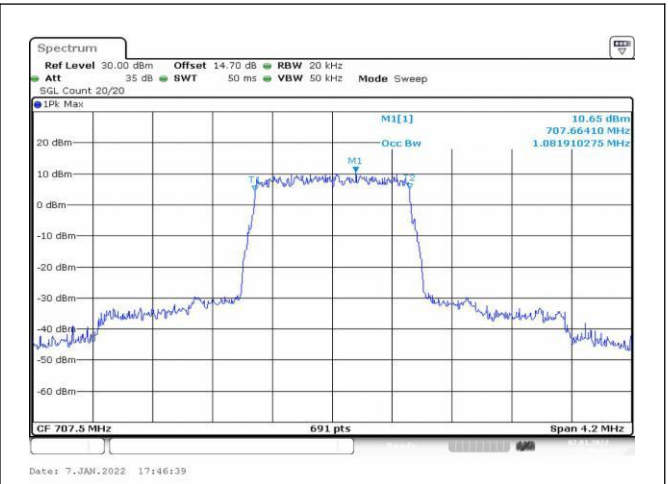


Fig.2

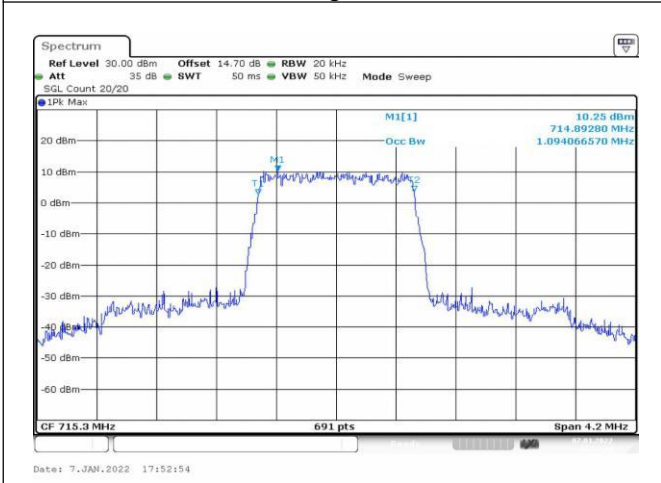


Fig.3

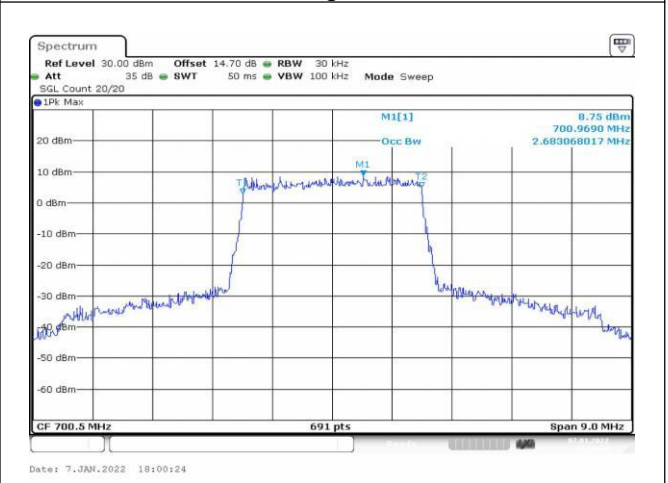


Fig.4

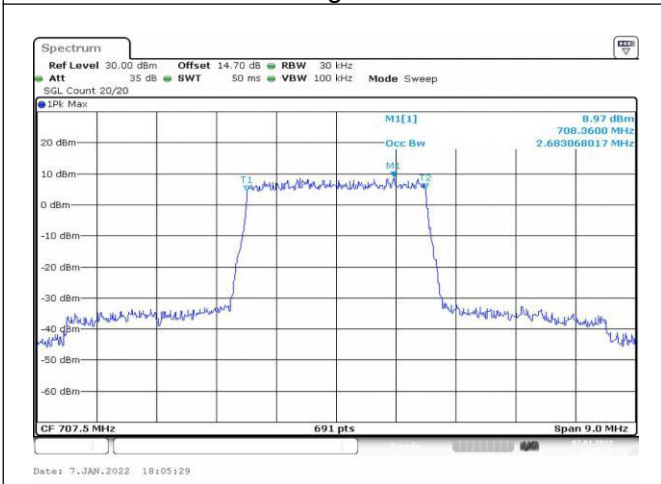


Fig.5

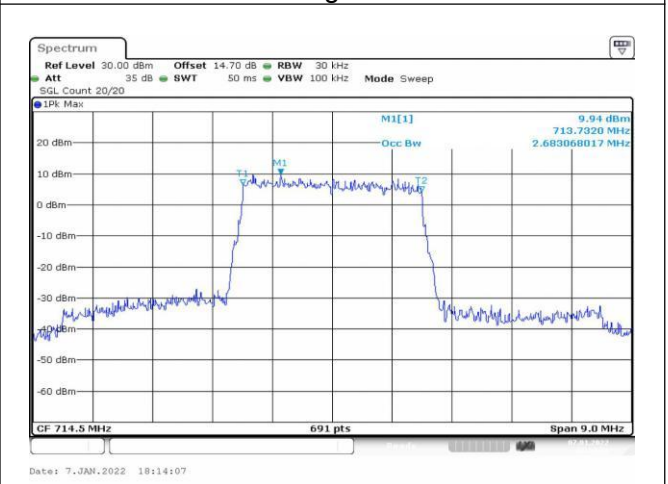


Fig.6

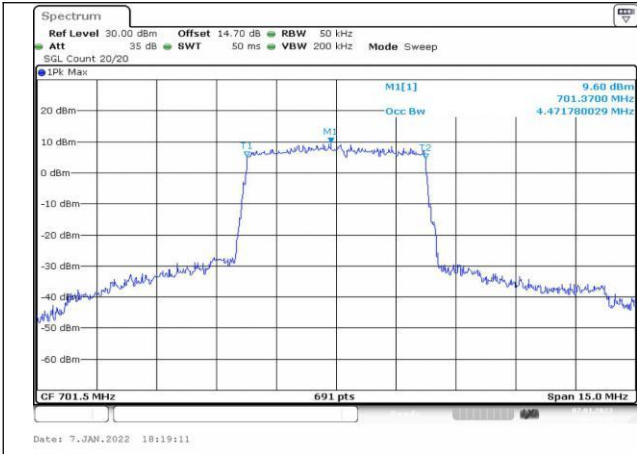


Fig.7

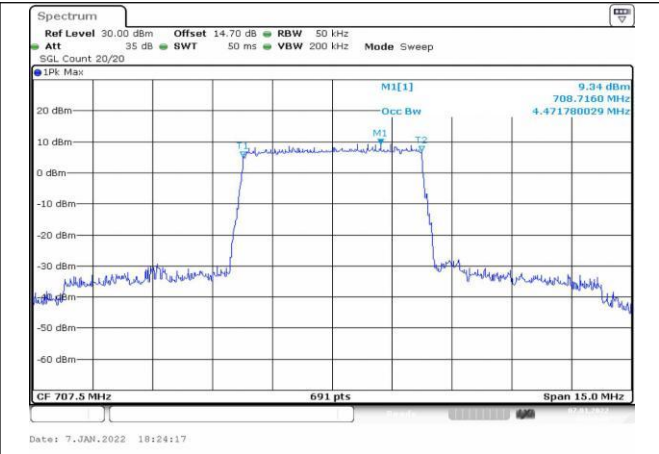


Fig.8

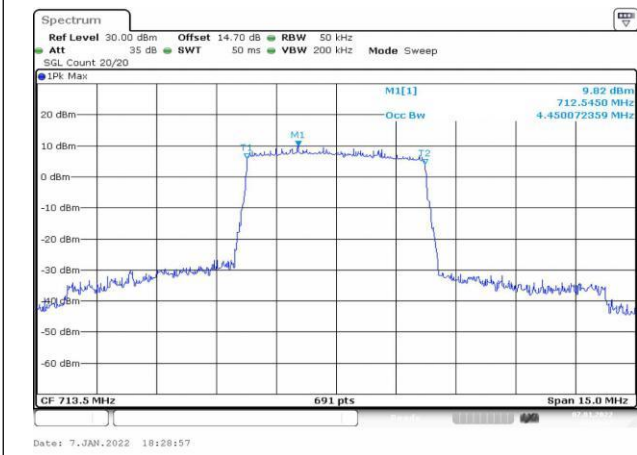


Fig.9

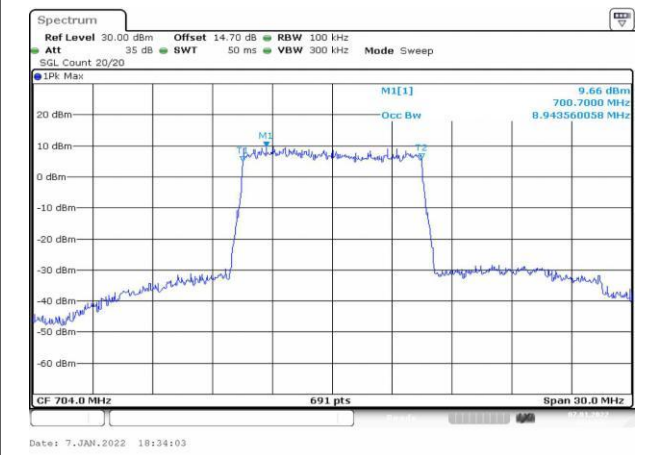


Fig.10

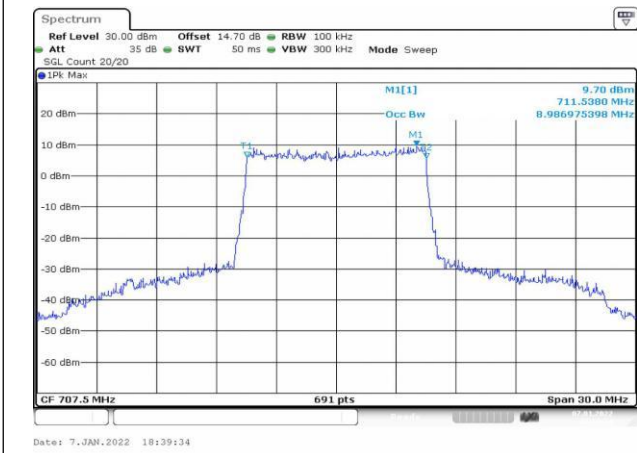


Fig.11

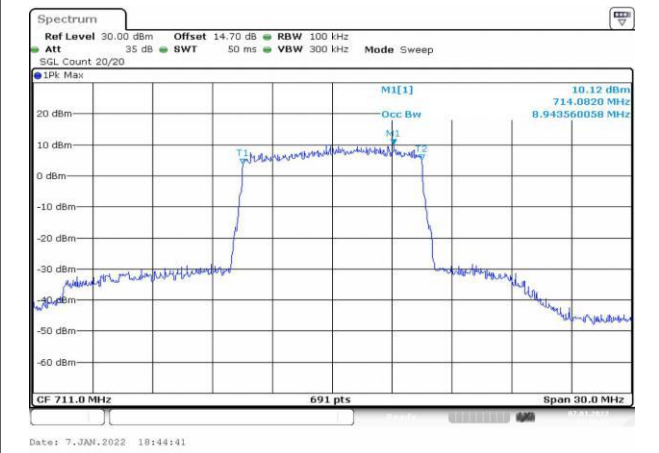


Fig.12

Test Mode: 16QAM

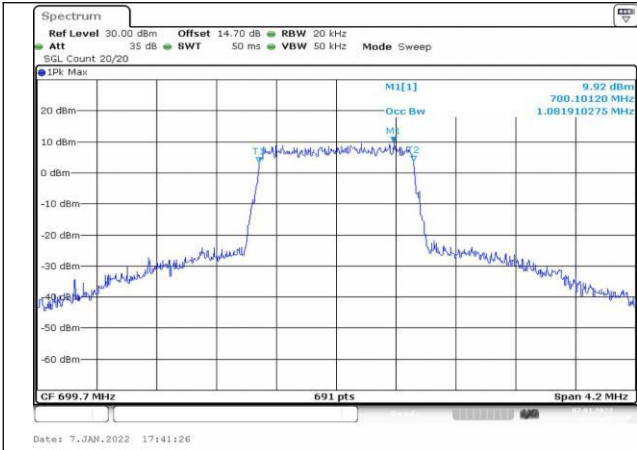


Fig.13

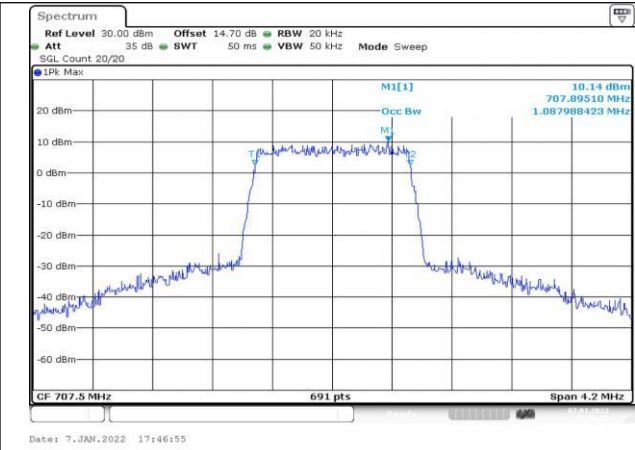


Fig.14

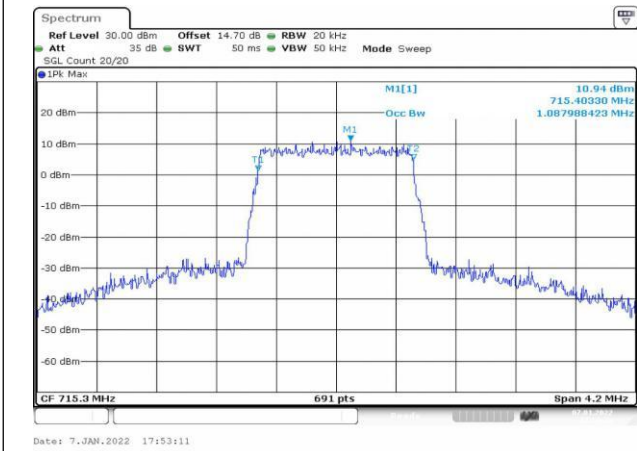


Fig.15

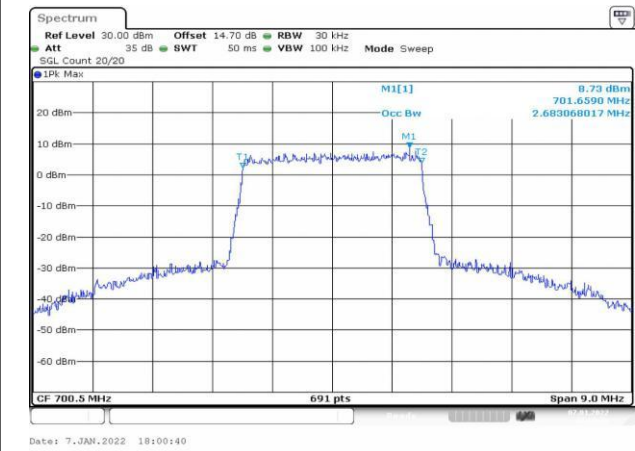


Fig.16

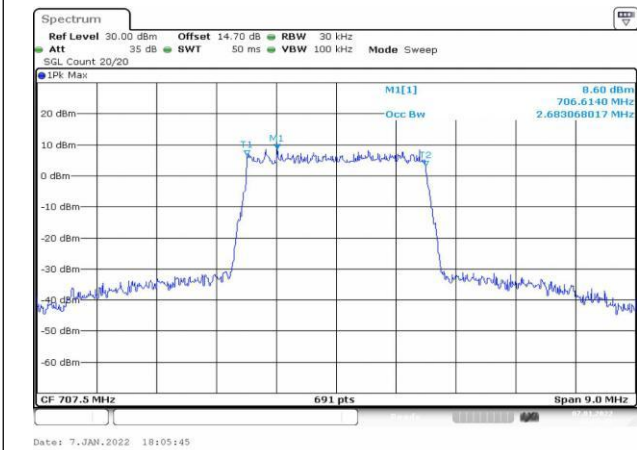


Fig.17

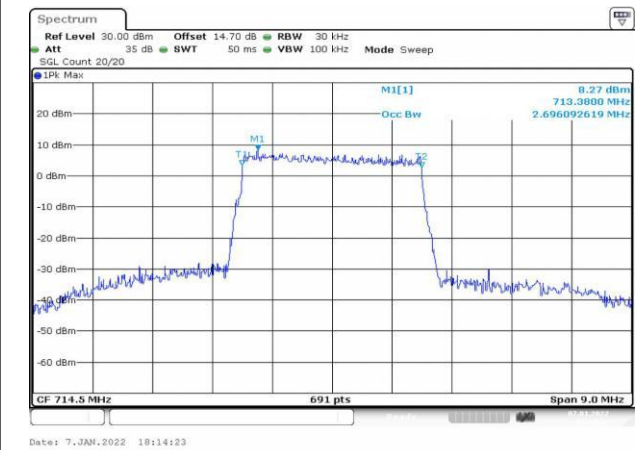


Fig.18

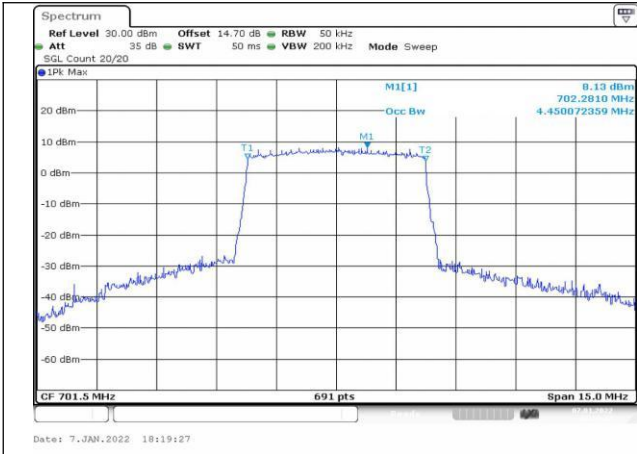


Fig.19

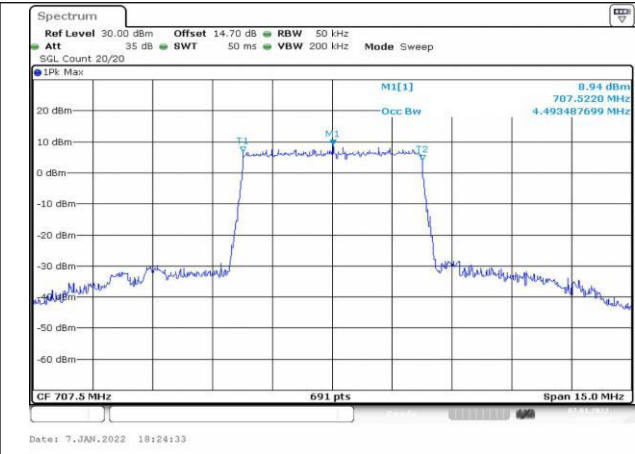


Fig.20

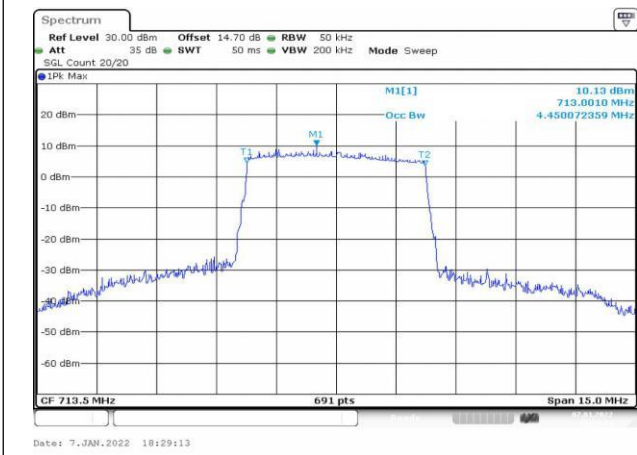


Fig.21

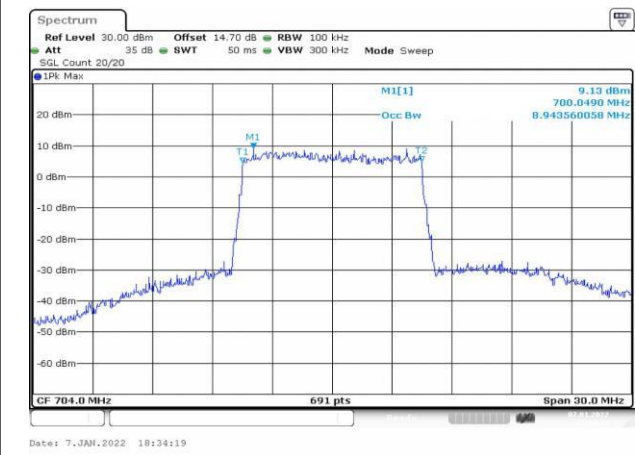


Fig.22

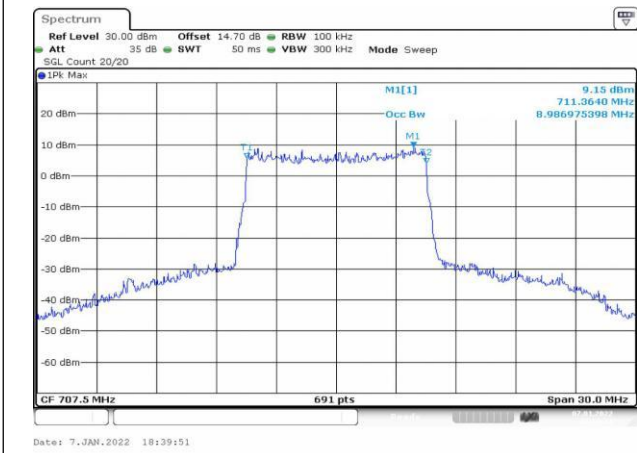


Fig.23

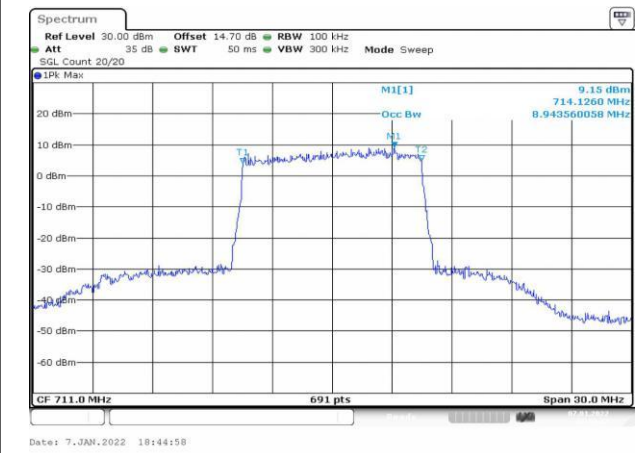


Fig.24

Test Mode: 64QAM



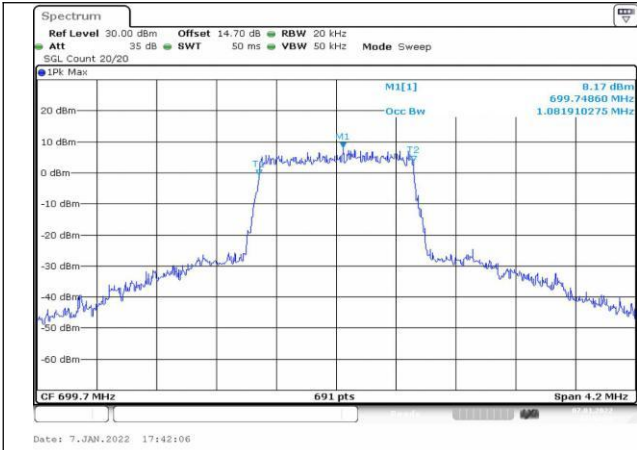


Fig.25

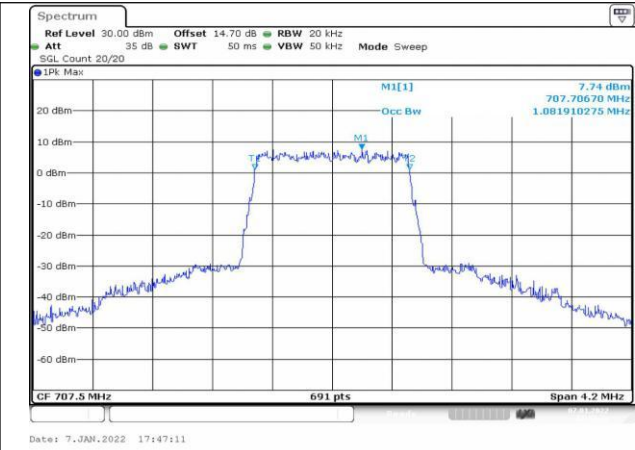


Fig.26

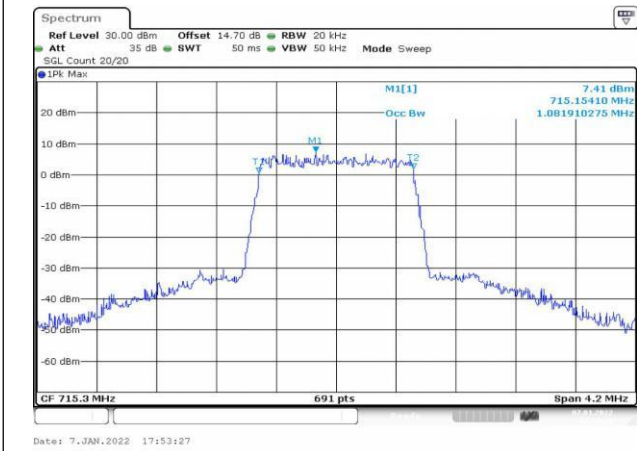


Fig.27

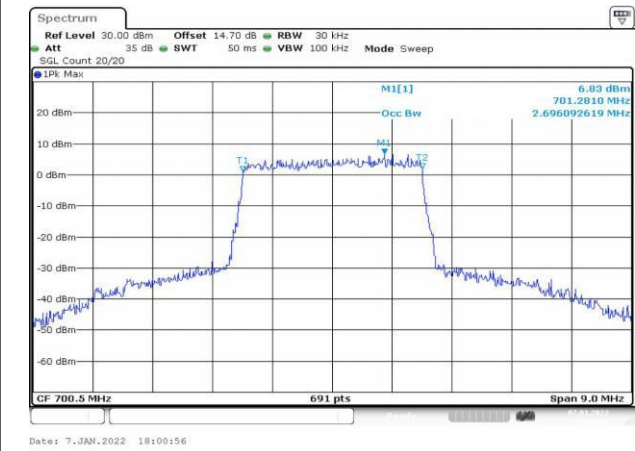


Fig.28

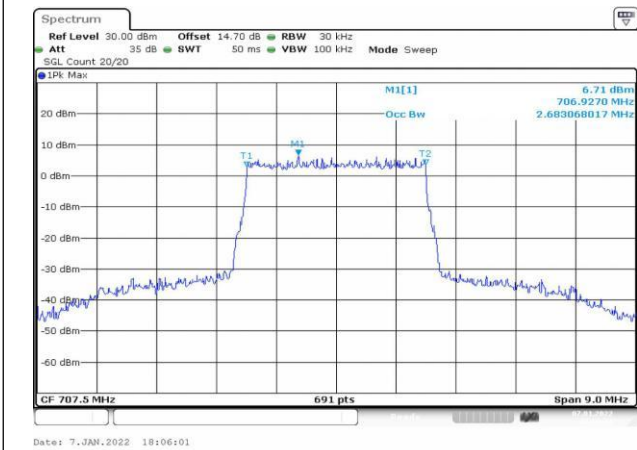


Fig.29

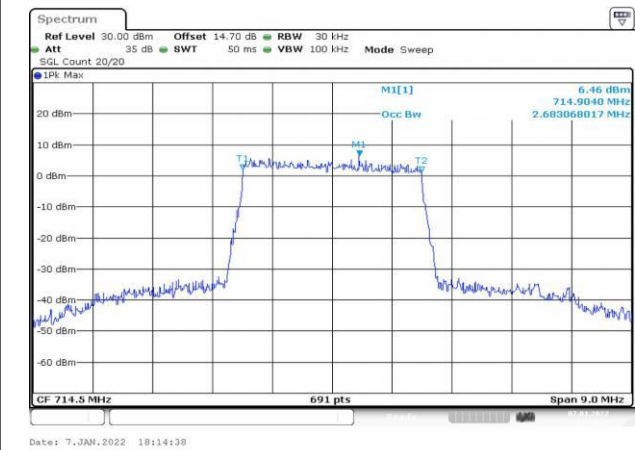


Fig.30

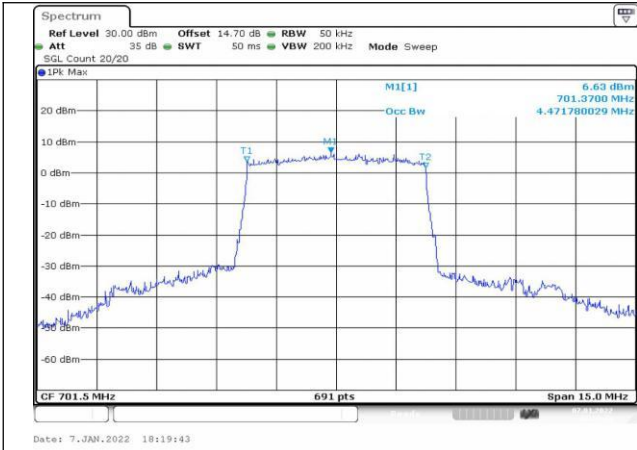


Fig.31



Fig.32

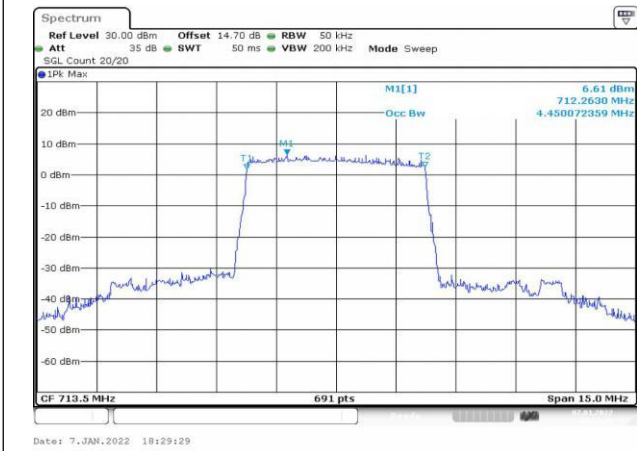


Fig.33



Fig.34

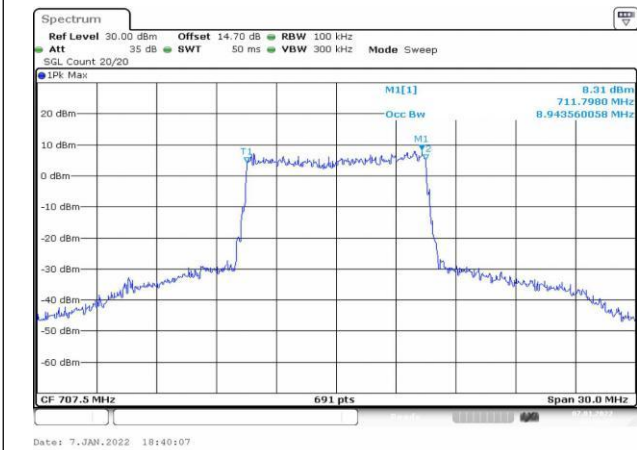


Fig.35

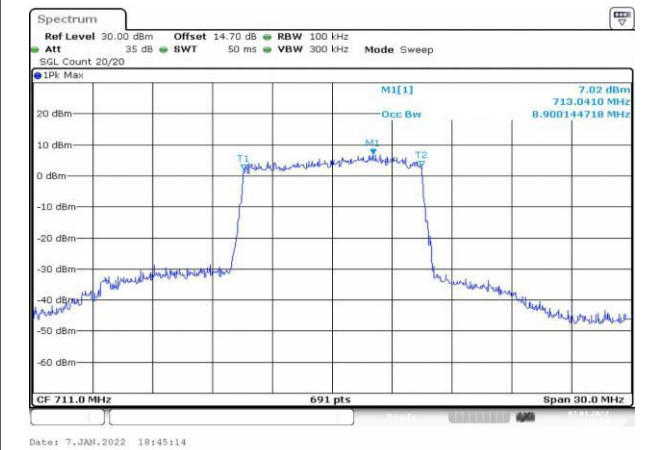


Fig.36

### 3 Emission Bandwidth

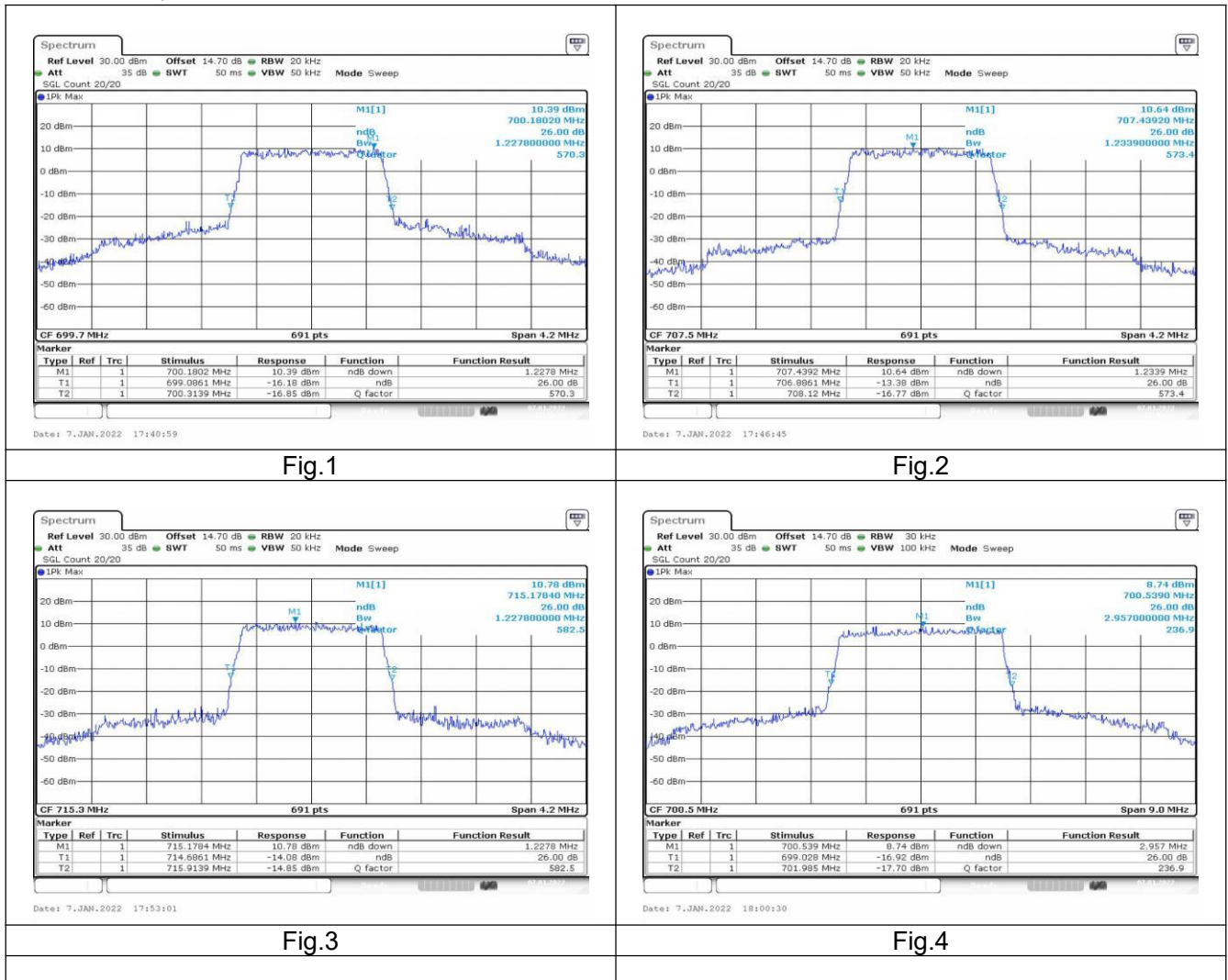
| Band    | Mode | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) |        |
|---------|------|-------------------------|---------|----------|---------|-----------|--|--------|
| Band 12 | QPSK | 699.7                   | 23017   | 1.4      | 6       | 0         | 1.228                                      | Fig.1  |
| Band 12 | QPSK | 707.5                   | 23095   | 1.4      | 6       | 0         | 1.234                                      | Fig.2  |
| Band 12 | QPSK | 715.3                   | 23173   | 1.4      | 6       | 0         | 1.228                                      | Fig.3  |
| Band 12 | QPSK | 700.5                   | 23025   | 3        | 15      | 0         | 2.957                                      | Fig.4  |
| Band 12 | QPSK | 707.5                   | 23095   | 3        | 15      | 0         | 2.957                                      | Fig.5  |
| Band 12 | QPSK | 714.5                   | 23165   | 3        | 15      | 0         | 3.009                                      | Fig.6  |
| Band 12 | QPSK | 701.5                   | 23035   | 5        | 25      | 0         | 4.906                                      | Fig.7  |
| Band 12 | QPSK | 707.5                   | 23095   | 5        | 25      | 0         | 4.906                                      | Fig.8  |
| Band 12 | QPSK | 713.5                   | 23155   | 5        | 25      | 0         | 4.863                                      | Fig.9  |
| Band 12 | QPSK | 704                     | 23060   | 10       | 50      | 0         | 9.725                                      | Fig.10 |
| Band 12 | QPSK | 707.5                   | 23095   | 10       | 50      | 0         | 9.682                                      | Fig.11 |
| Band 12 | QPSK | 711                     | 23130   | 10       | 50      | 0         | 9.638                                      | Fig.12 |

| Band    | Mode  | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) |        |
|---------|-------|-------------------------|---------|----------|---------|-----------|--|--------|
| Band 12 | 16QAM | 699.7                   | 23017   | 1.4      | 6       | 0         | 1.228                                      | Fig.13 |
| Band 12 | 16QAM | 707.5                   | 23095   | 1.4      | 6       | 0         | 1.222                                      | Fig.14 |
| Band 12 | 16QAM | 715.3                   | 23173   | 1.4      | 6       | 0         | 1.228                                      | Fig.15 |
| Band 12 | 16QAM | 700.5                   | 23025   | 3        | 15      | 0         | 2.970                                      | Fig.16 |
| Band 12 | 16QAM | 707.5                   | 23095   | 3        | 15      | 0         | 2.957                                      | Fig.17 |
| Band 12 | 16QAM | 714.5                   | 23165   | 3        | 15      | 0         | 2.996                                      | Fig.18 |
| Band 12 | 16QAM | 701.5                   | 23035   | 5        | 25      | 0         | 4.841                                      | Fig.19 |
| Band 12 | 16QAM | 707.5                   | 23095   | 5        | 25      | 0         | 4.906                                      | Fig.20 |
| Band 12 | 16QAM | 713.5                   | 23155   | 5        | 25      | 0         | 4.884                                      | Fig.21 |
| Band 12 | 16QAM | 704                     | 23060   | 10       | 50      | 0         | 9.682                                      | Fig.22 |
| Band 12 | 16QAM | 707.5                   | 23095   | 10       | 50      | 0         | 9.812                                      | Fig.23 |
| Band 12 | 16QAM | 711                     | 23130   | 10       | 50      | 0         | 9.551                                      | Fig.24 |



| Band    | Mode  | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) |        |
|---------|-------|-------------------------|---------|----------|---------|-----------|--|--------|
| Band 12 | 64QAM | 699.7                   | 23017   | 1.4      | 6       | 0         | 1.234                                      | Fig.25 |
| Band 12 | 64QAM | 707.5                   | 23095   | 1.4      | 6       | 0         | 1.216                                      | Fig.26 |
| Band 12 | 64QAM | 715.3                   | 23173   | 1.4      | 6       | 0         | 1.228                                      | Fig.27 |
| Band 12 | 64QAM | 700.5                   | 23025   | 3        | 15      | 0         | 2.996                                      | Fig.28 |
| Band 12 | 64QAM | 707.5                   | 23095   | 3        | 15      | 0         | 2.970                                      | Fig.29 |
| Band 12 | 64QAM | 714.5                   | 23165   | 3        | 15      | 0         | 2.970                                      | Fig.30 |
| Band 12 | 64QAM | 701.5                   | 23035   | 5        | 25      | 0         | 4.906                                      | Fig.31 |
| Band 12 | 64QAM | 707.5                   | 23095   | 5        | 25      | 0         | 4.906                                      | Fig.32 |
| Band 12 | 64QAM | 713.5                   | 23155   | 5        | 25      | 0         | 4.797                                      | Fig.33 |
| Band 12 | 64QAM | 704                     | 23060   | 10       | 50      | 0         | 9.682                                      | Fig.34 |
| Band 12 | 64QAM | 707.5                   | 23095   | 10       | 50      | 0         | 9.812                                      | Fig.35 |
| Band 12 | 64QAM | 711                     | 23130   | 10       | 50      | 0         | 9.595                                      | Fig.36 |

Test Mode: QPSK



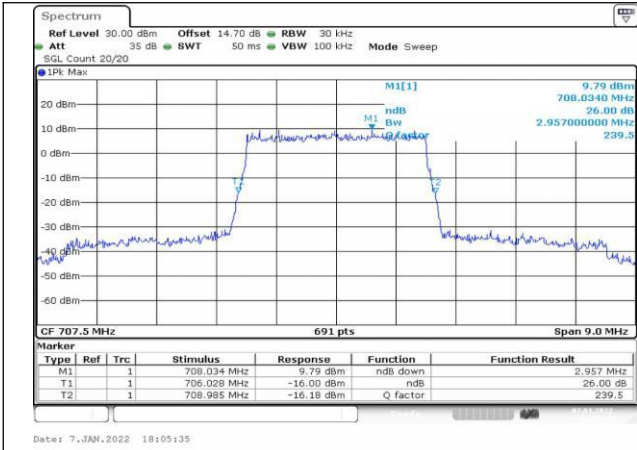


Fig.5

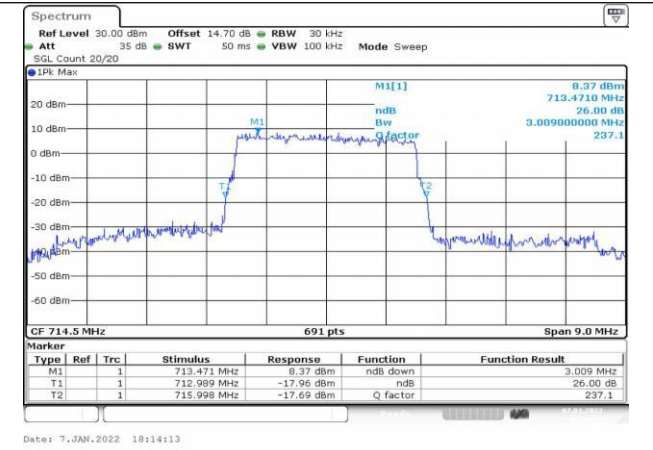


Fig.6

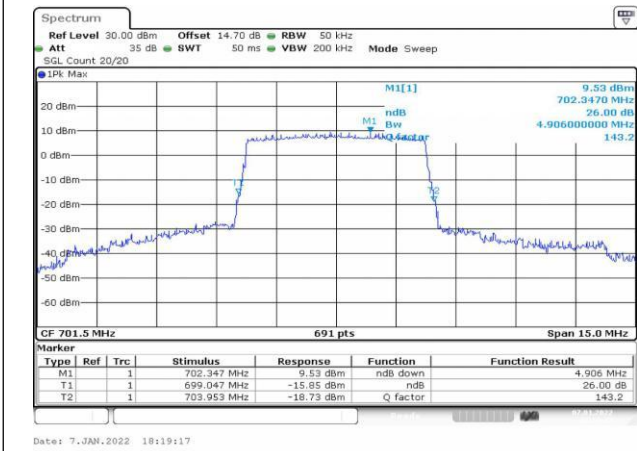


Fig.7

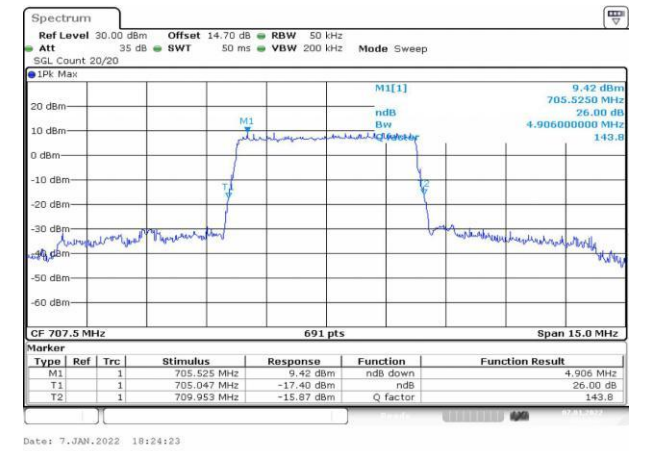


Fig.8

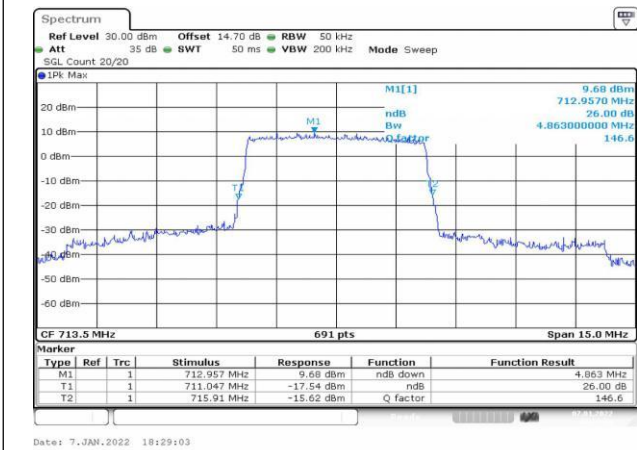


Fig.9

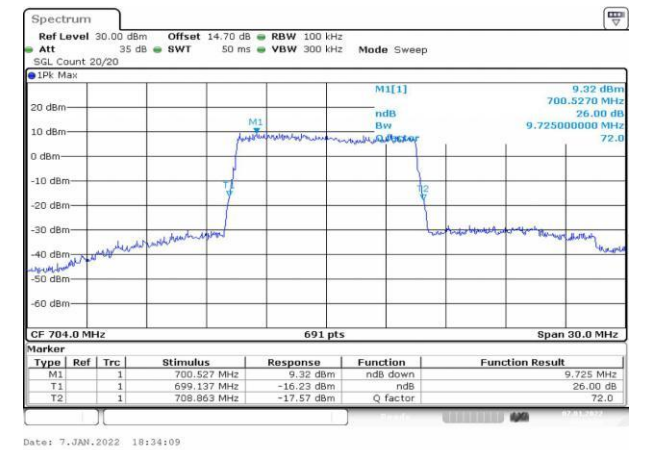


Fig.10

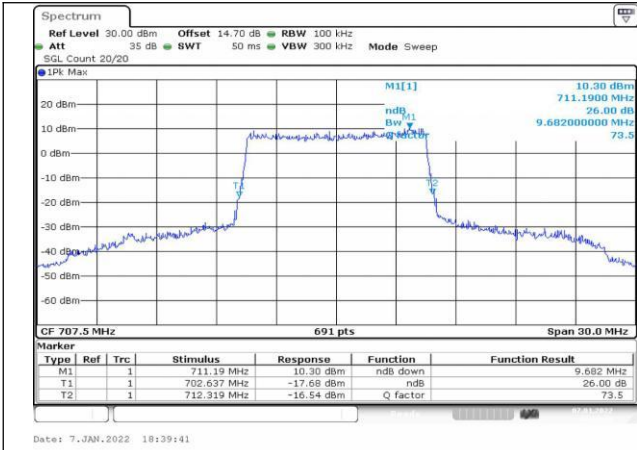


Fig.11

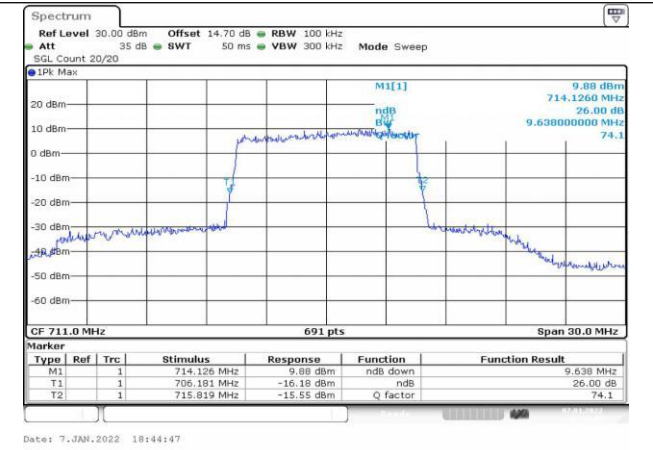


Fig.12

Test Mode: 16QAM

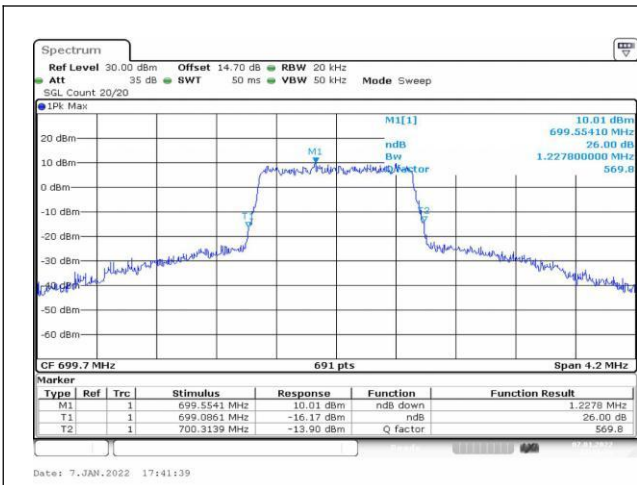


Fig.13

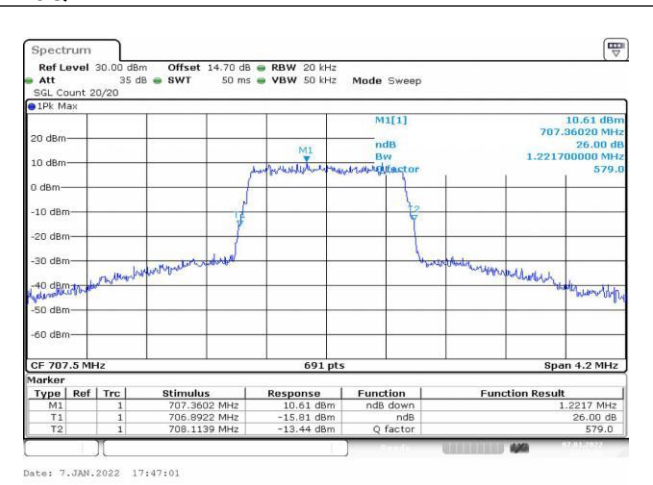


Fig.14

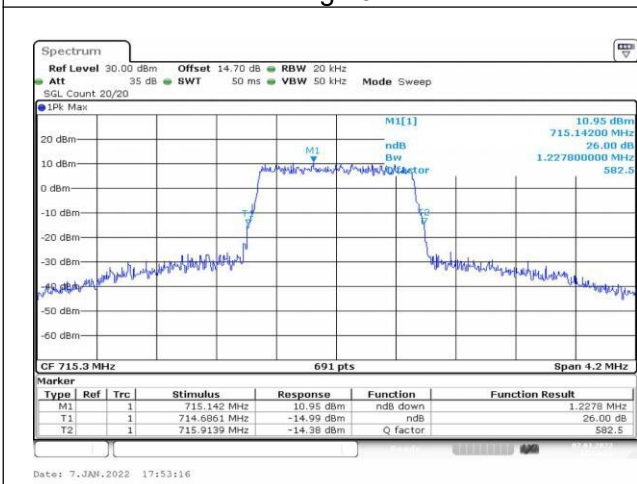


Fig.15

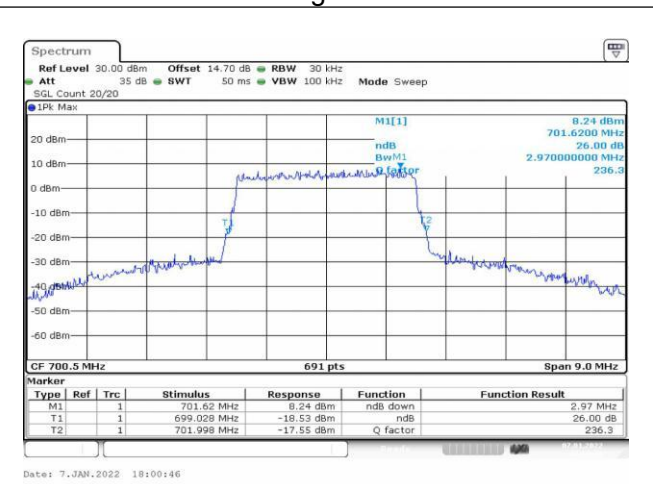


Fig.16

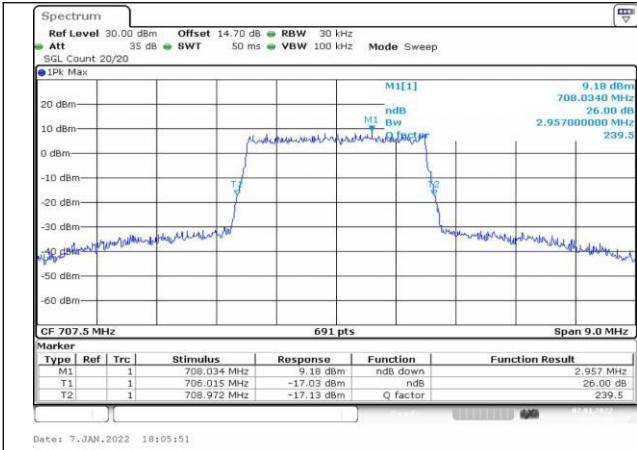


Fig.17

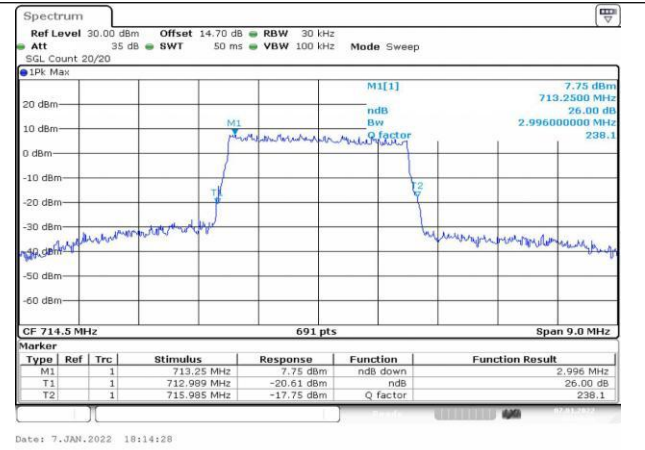


Fig.18

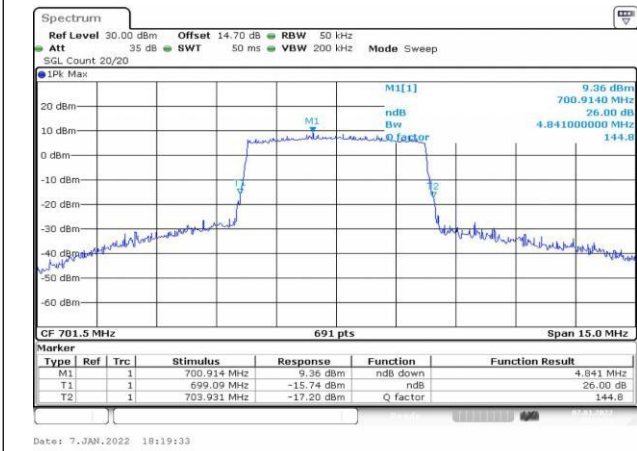


Fig.19

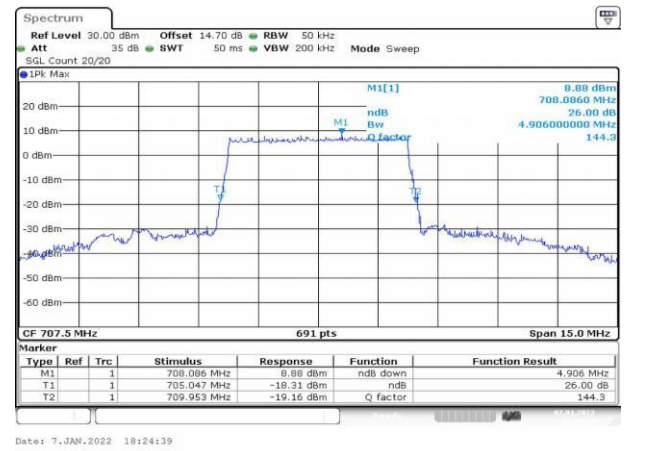


Fig.20

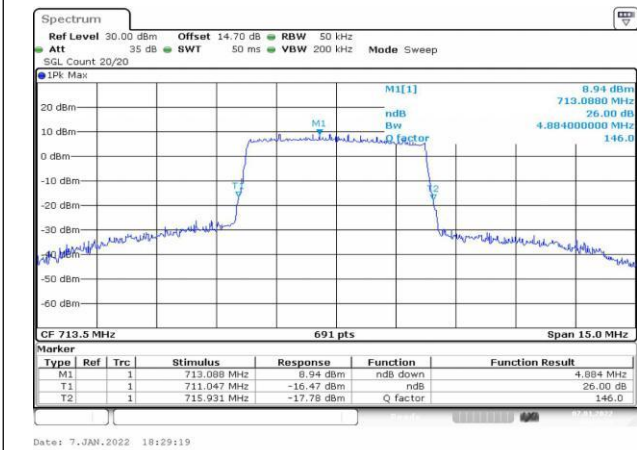


Fig.21



Fig.22

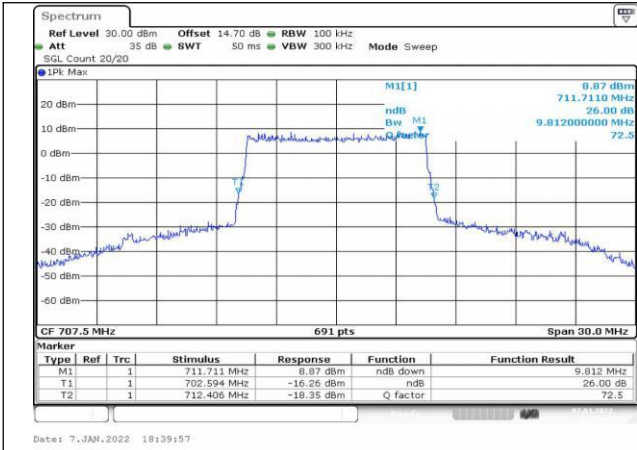


Fig.23

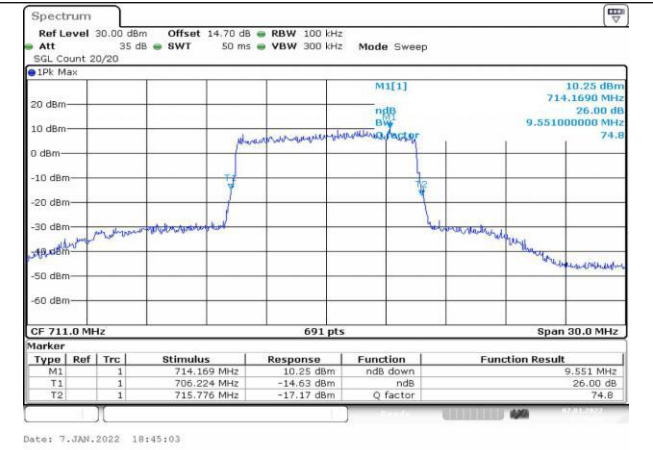


Fig.24

Test Mode: 64QAM

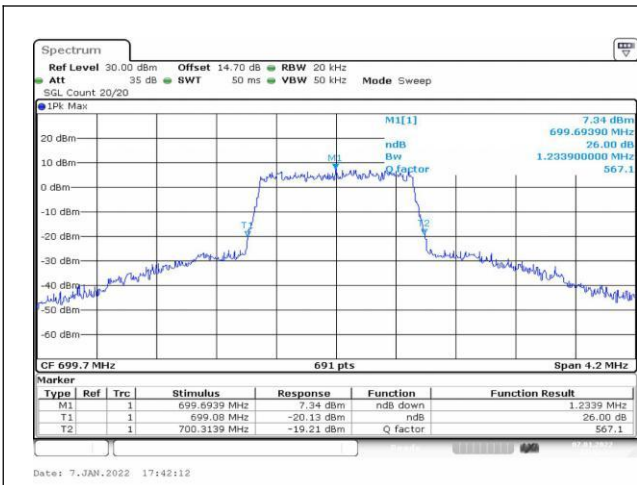


Fig.25

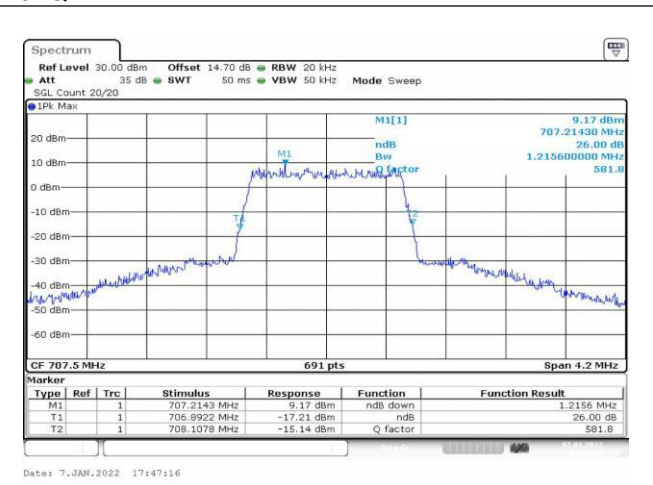


Fig.26

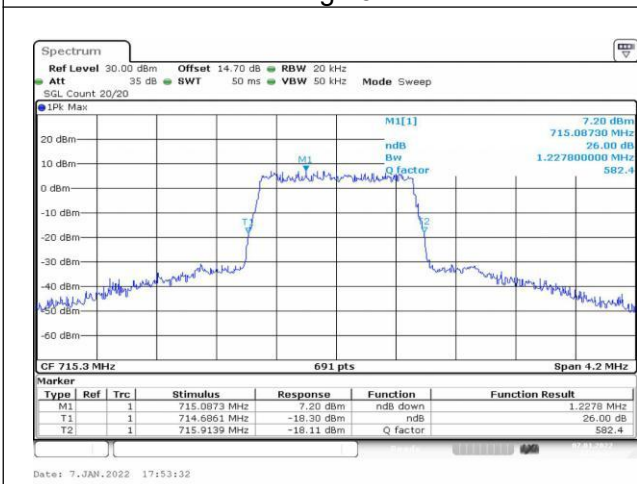


Fig.27

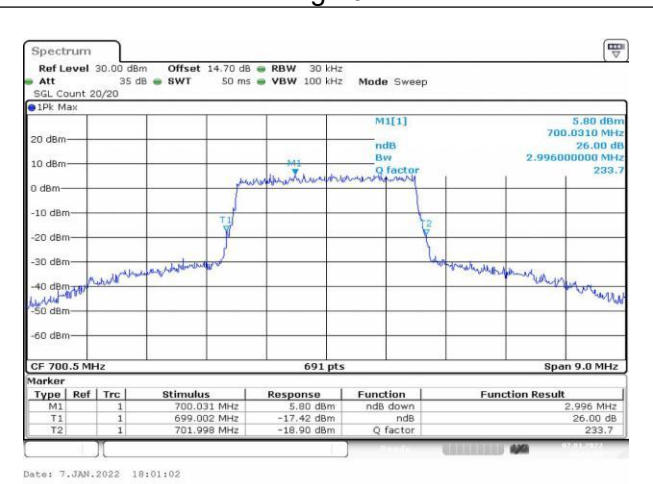


Fig.28



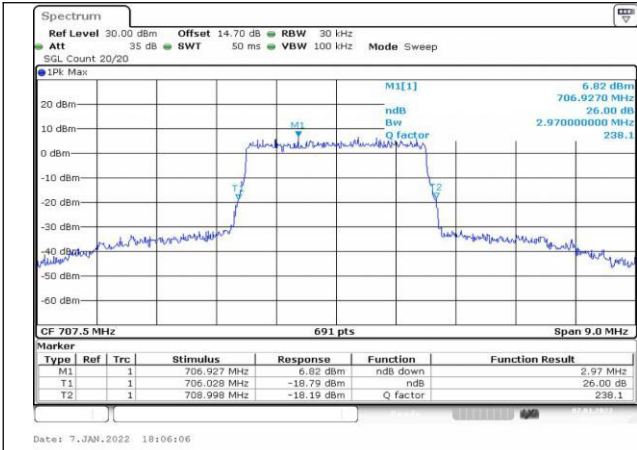


Fig.29

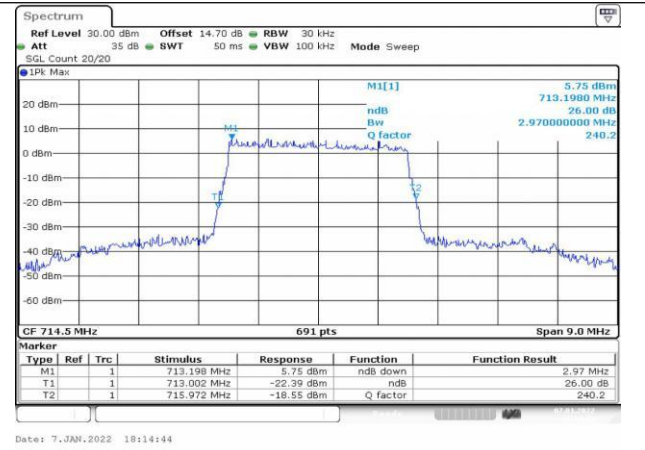


Fig.30

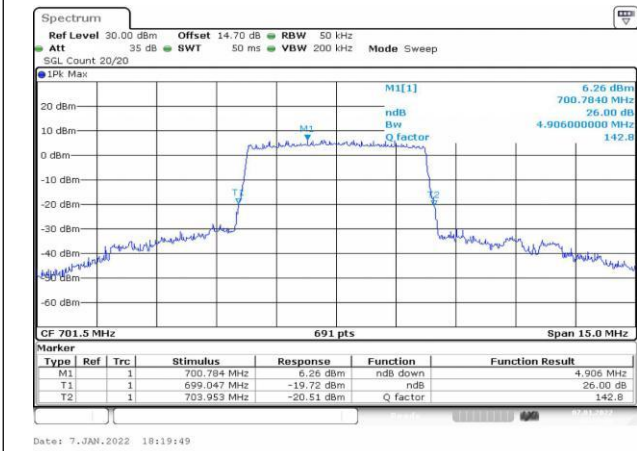


Fig.31

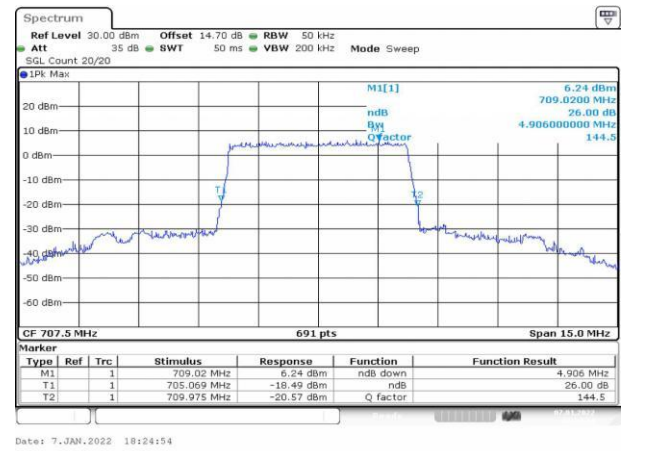


Fig.32

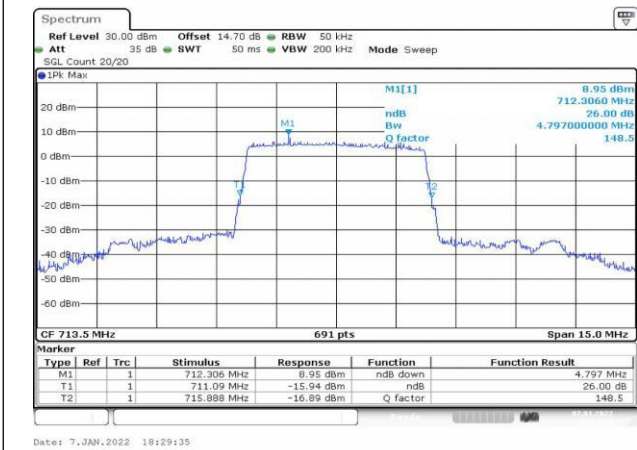


Fig.33

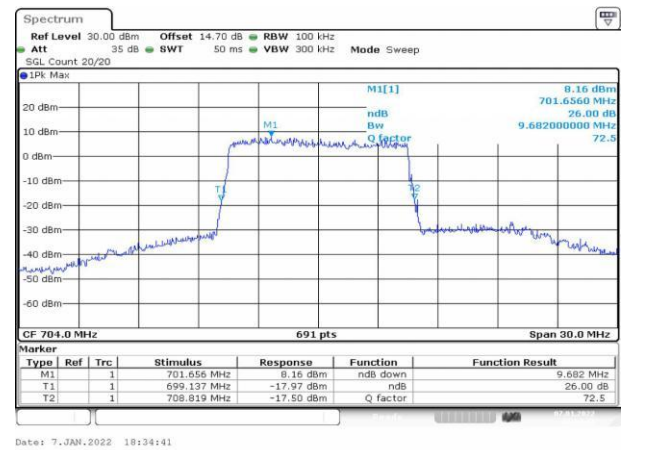


Fig.34

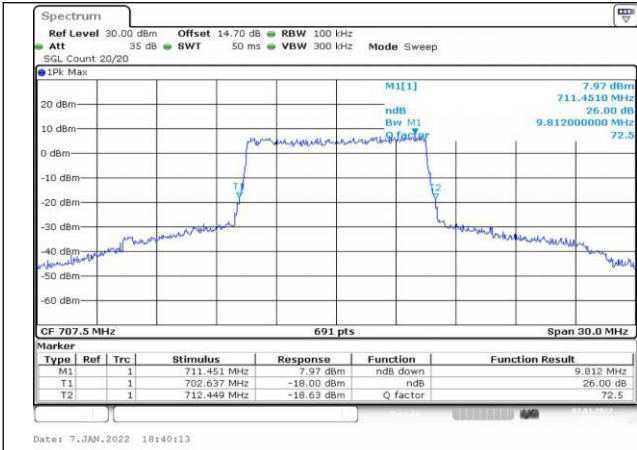


Fig.35



Fig.36

**4 Peak-Average Ratio**

| Band | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | QPSK   | 16-QAM | 64-QAM |
|------|-------------------------|---------|----------|---------|-----------|--------|--------|--------|
| 12   | 699.7                   | 23017   | 1.4      | 1       | 5         | Fig.1  | Fig.2  | Fig.3  |
| 12   | 699.7                   | 23017   | 1.4      | 6       | 0         | Fig.4  | Fig.5  | Fig.6  |
| 12   | 707.5                   | 23095   | 1.4      | 1       | 5         | Fig.7  | Fig.8  | Fig.9  |
| 12   | 707.5                   | 23095   | 1.4      | 6       | 0         | Fig.10 | Fig.11 | Fig.12 |
| 12   | 715.3                   | 23173   | 1.4      | 1       | 5         | Fig.13 | Fig.14 | Fig.15 |
| 12   | 715.3                   | 23173   | 1.4      | 6       | 0         | Fig.16 | Fig.17 | Fig.18 |
| 12   | 700.5                   | 23025   | 3        | 1       | 14        | Fig.19 | Fig.20 | Fig.21 |
| 12   | 700.5                   | 23025   | 3        | 15      | 0         | Fig.22 | Fig.23 | Fig.24 |
| 12   | 707.5                   | 23095   | 3        | 1       | 14        | Fig.25 | Fig.26 | Fig.27 |
| 12   | 707.5                   | 23095   | 3        | 15      | 0         | Fig.28 | Fig.29 | Fig.30 |
| 12   | 714.5                   | 23165   | 3        | 1       | 14        | Fig.31 | Fig.32 | Fig.33 |
| 12   | 714.5                   | 23165   | 3        | 15      | 0         | Fig.34 | Fig.35 | Fig.36 |
| 12   | 701.5                   | 23035   | 5        | 1       | 24        | Fig.37 | Fig.38 | Fig.39 |
| 12   | 701.5                   | 23035   | 5        | 25      | 0         | Fig.40 | Fig.41 | Fig.42 |
| 12   | 707.5                   | 23095   | 5        | 1       | 24        | Fig.43 | Fig.44 | Fig.45 |
| 12   | 707.5                   | 23095   | 5        | 25      | 0         | Fig.46 | Fig.47 | Fig.48 |
| 12   | 713.5                   | 23155   | 5        | 1       | 24        | Fig.49 | Fig.50 | Fig.51 |
| 12   | 713.5                   | 23155   | 5        | 25      | 0         | Fig.52 | Fig.53 | Fig.54 |
| 12   | 704                     | 23060   | 10       | 1       | 49        | Fig.55 | Fig.56 | Fig.57 |
| 12   | 704                     | 23060   | 10       | 50      | 0         | Fig.58 | Fig.59 | Fig.60 |
| 12   | 707.5                   | 23095   | 10       | 1       | 49        | Fig.61 | Fig.62 | Fig.63 |
| 12   | 707.5                   | 23095   | 10       | 50      | 0         | Fig.64 | Fig.65 | Fig.66 |
| 12   | 711                     | 23130   | 10       | 1       | 49        | Fig.67 | Fig.68 | Fig.69 |
| 12   | 711                     | 23130   | 10       | 50      | 0         | Fig.70 | Fig.71 | Fig.72 |

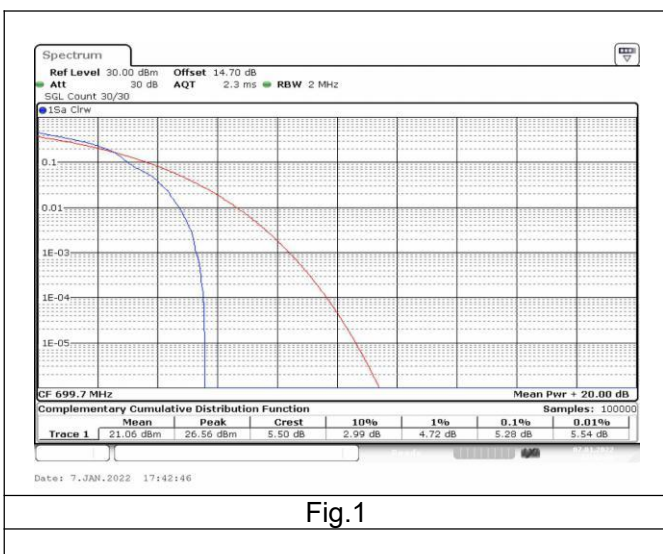


Fig.1

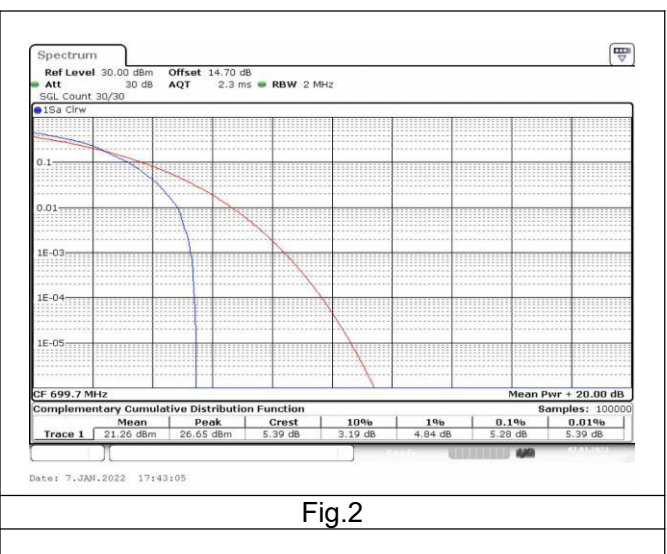


Fig.2





Fig.3

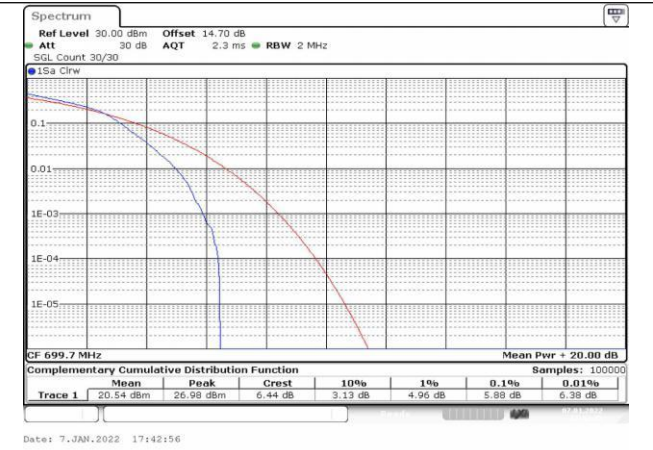


Fig.4

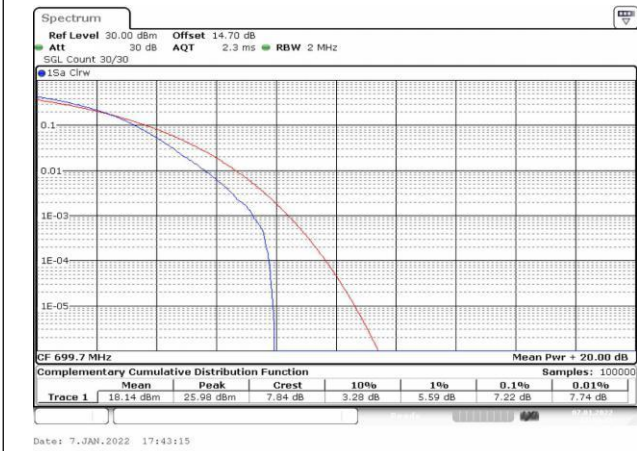


Fig.5

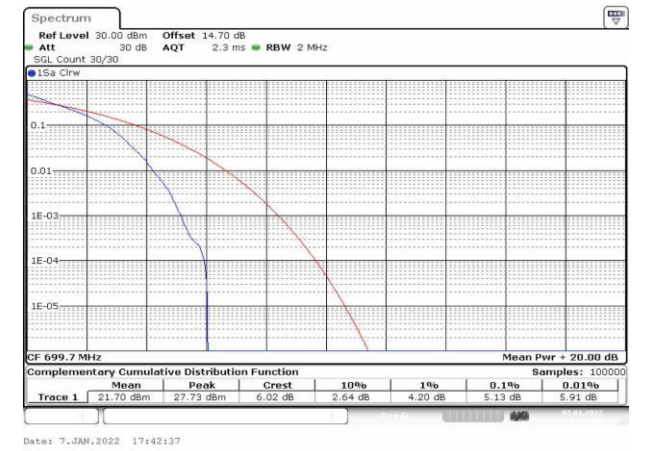


Fig.6

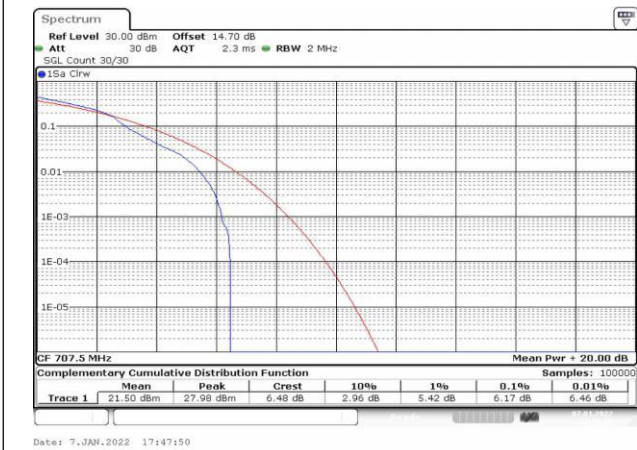


Fig.7

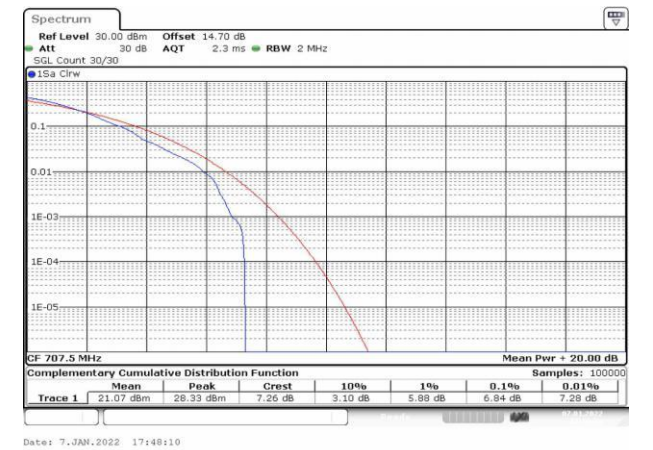


Fig.8

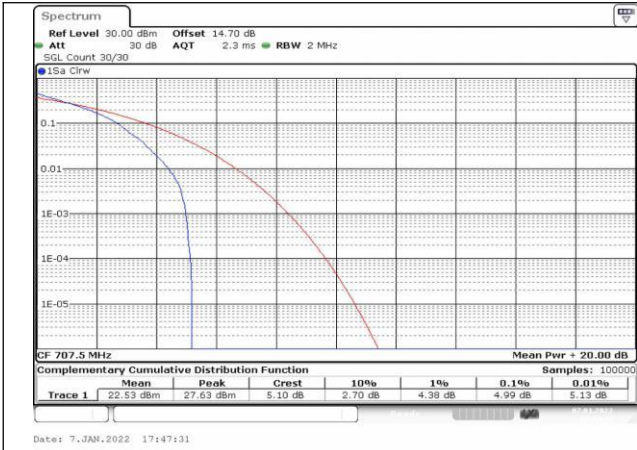


Fig.9

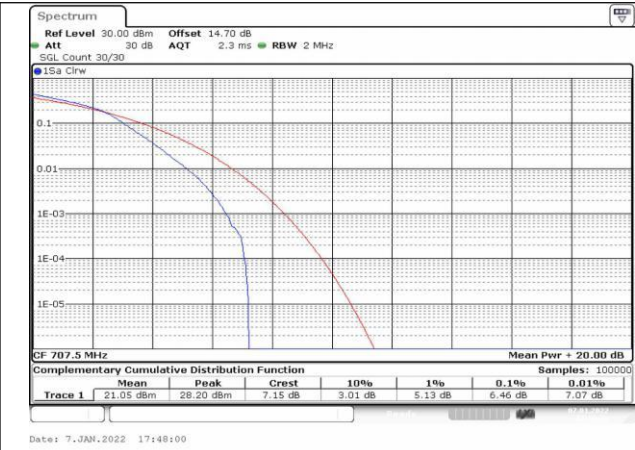


Fig.10

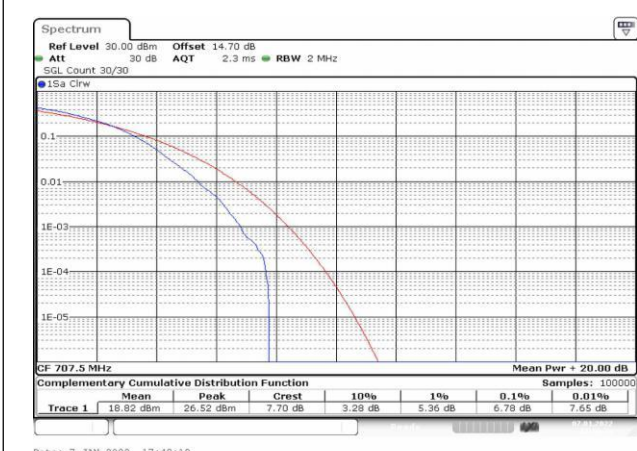


Fig.11

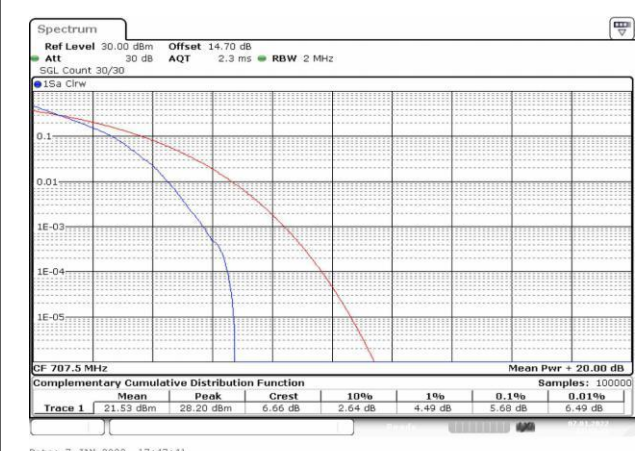


Fig.12

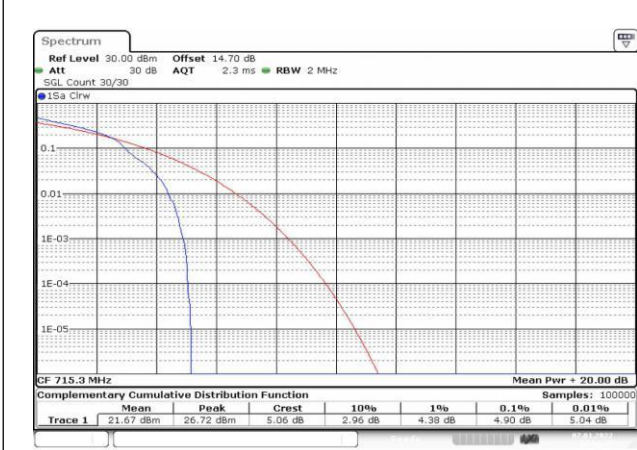


Fig.13

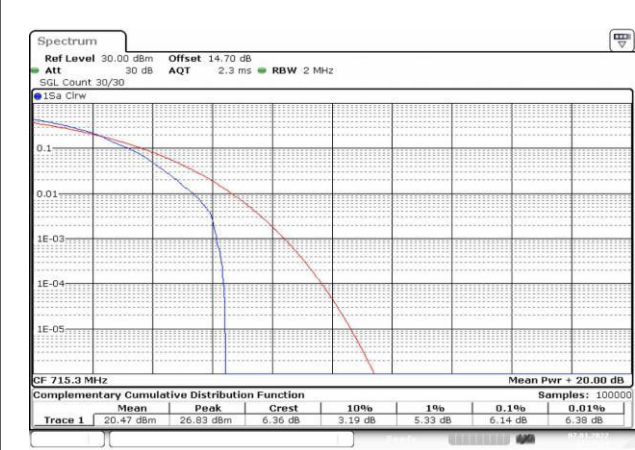


Fig.14

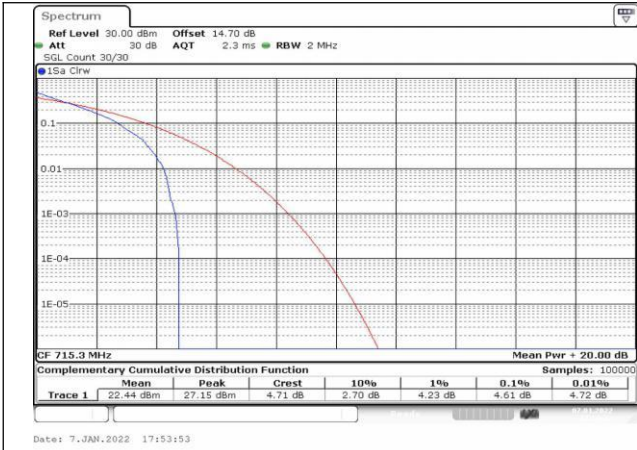


Fig.15

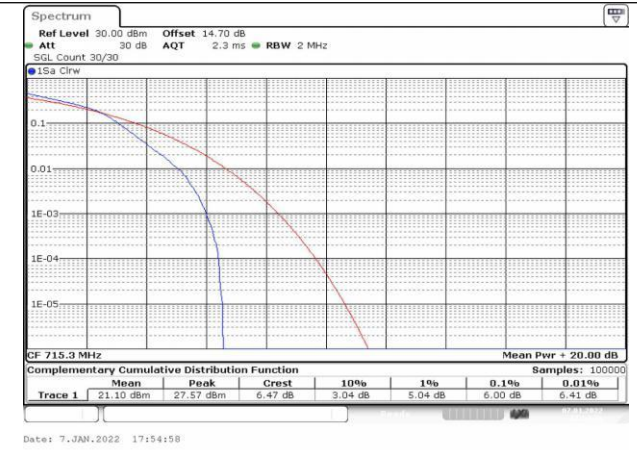


Fig.16

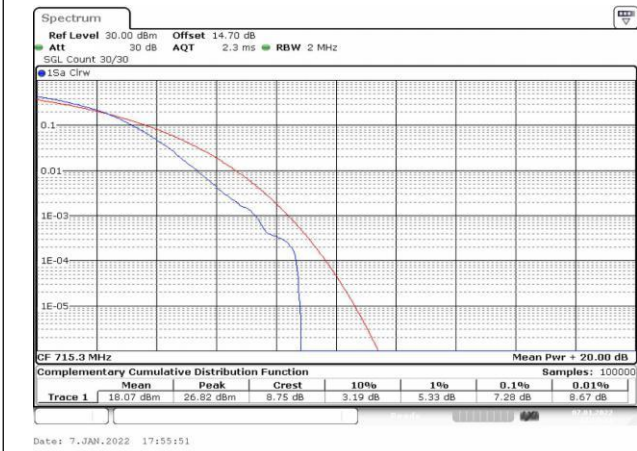


Fig.17

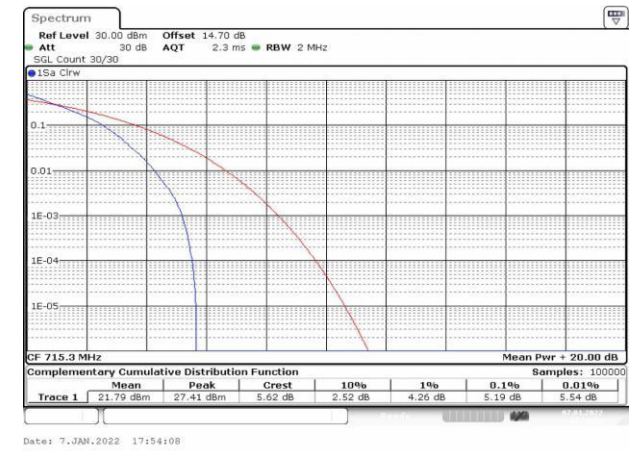


Fig.18

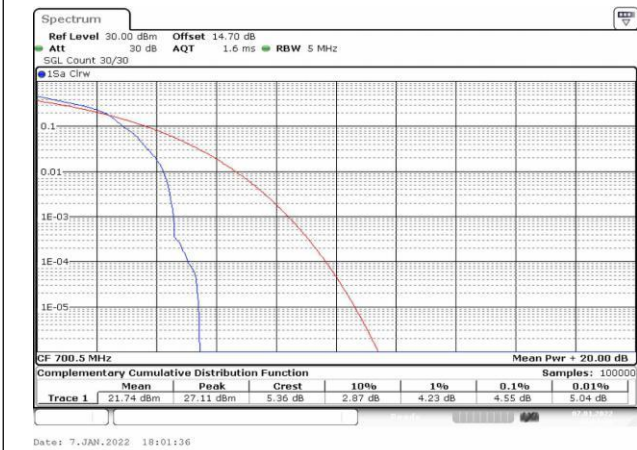


Fig.19

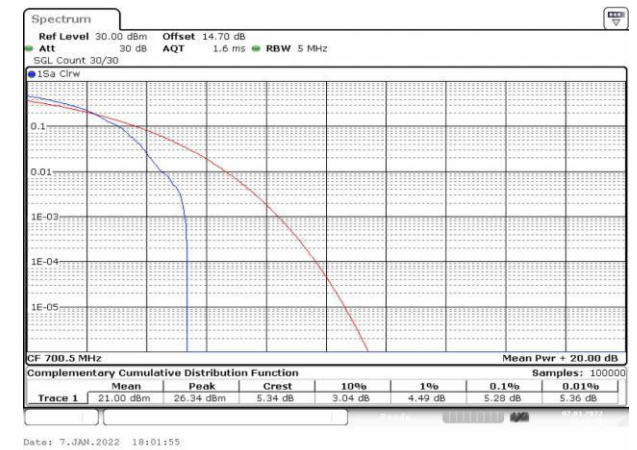


Fig.20



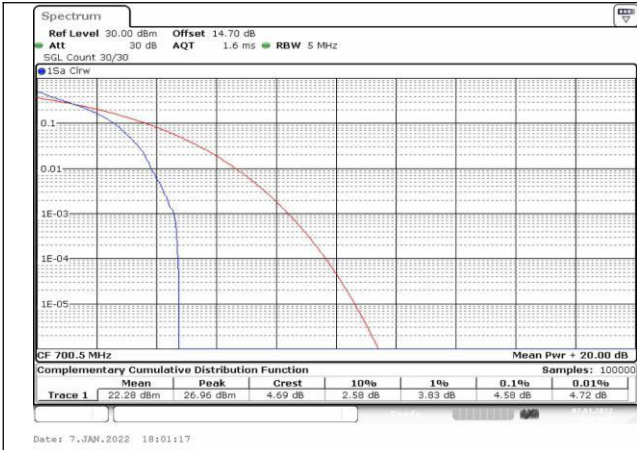


Fig.21

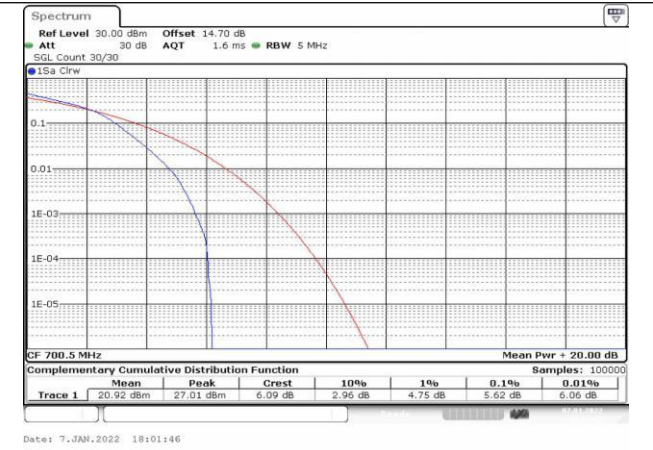


Fig.22

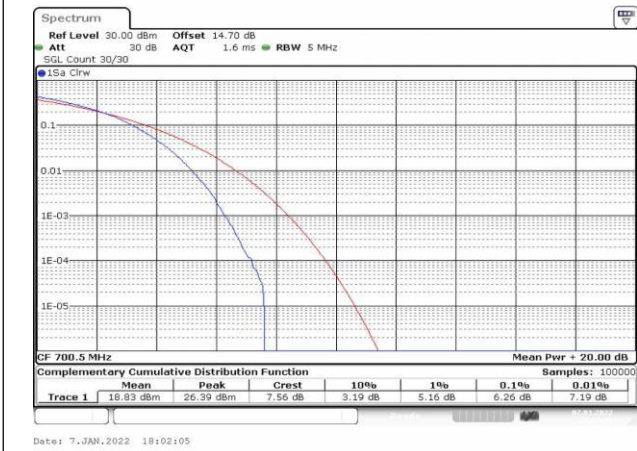


Fig.23

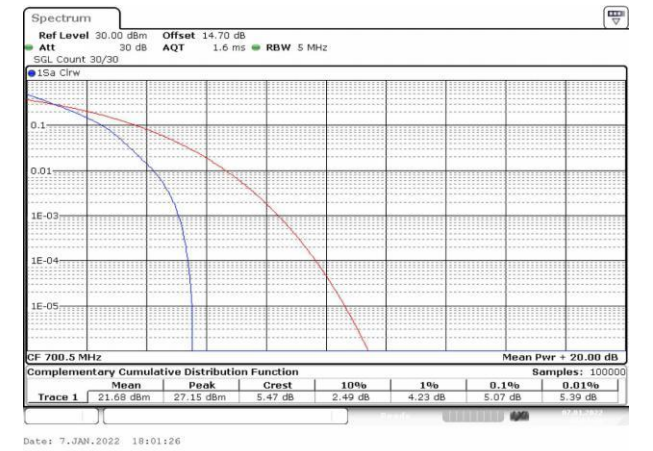


Fig.24

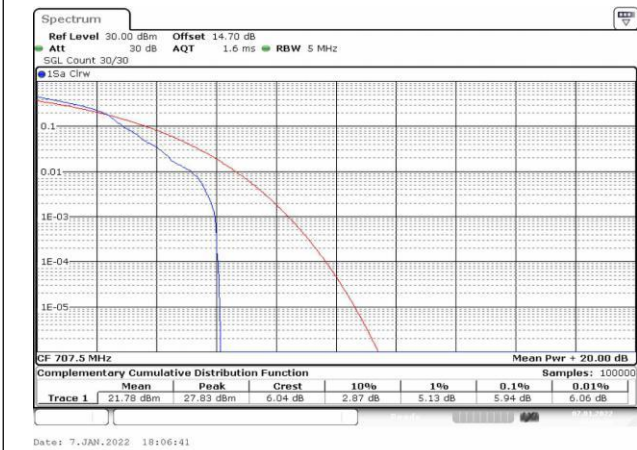


Fig.25

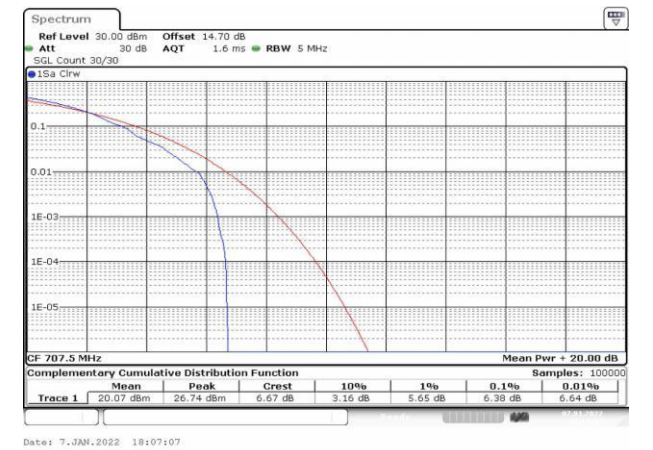


Fig.26