

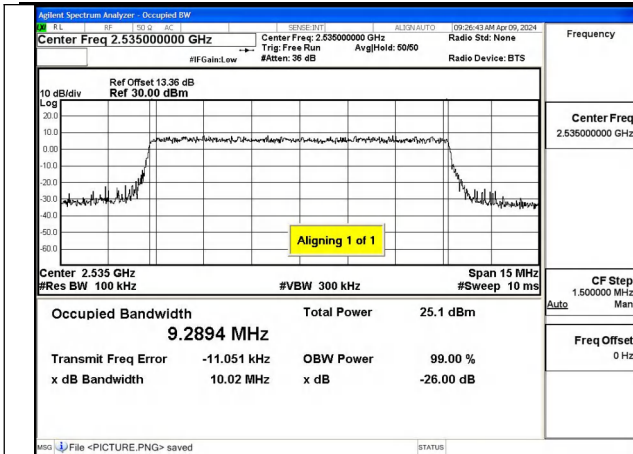


Fig.19

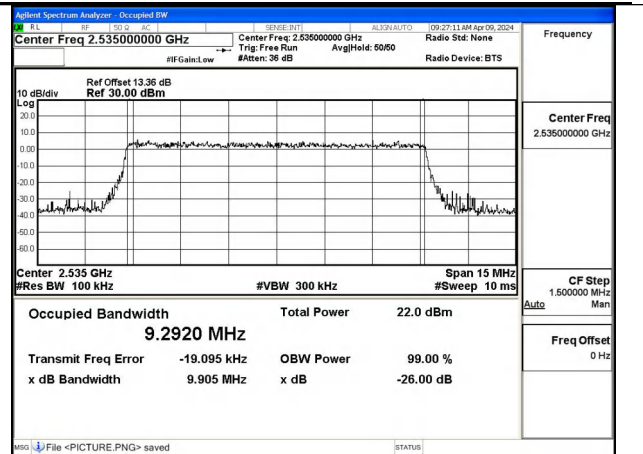


Fig.20

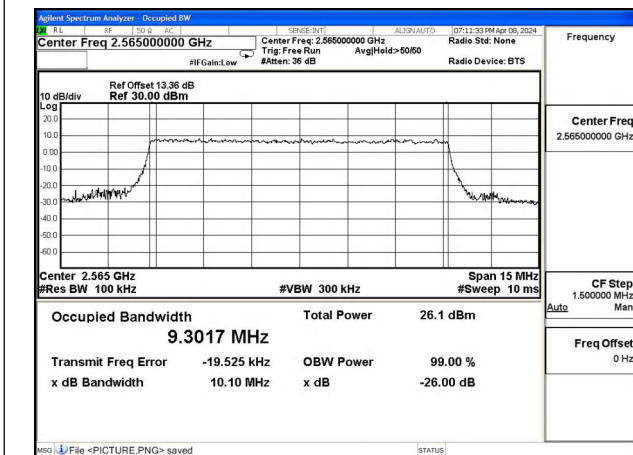


Fig.21

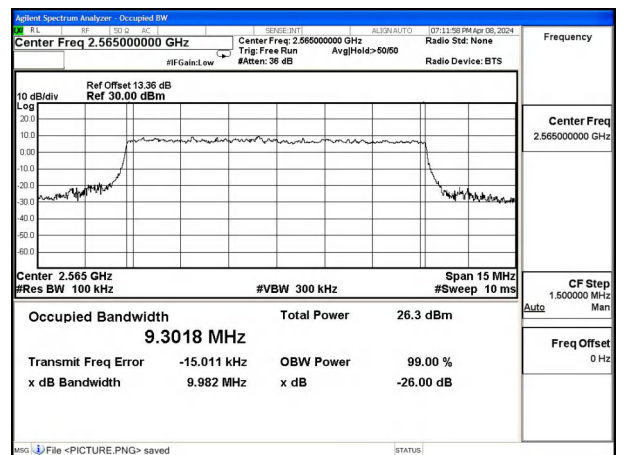


Fig.22

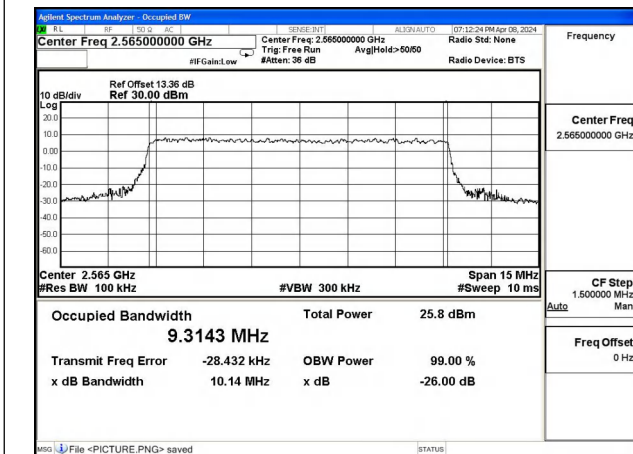


Fig.23

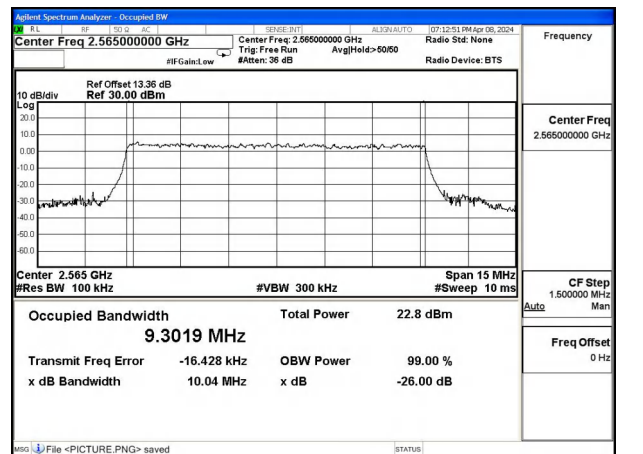


Fig.24

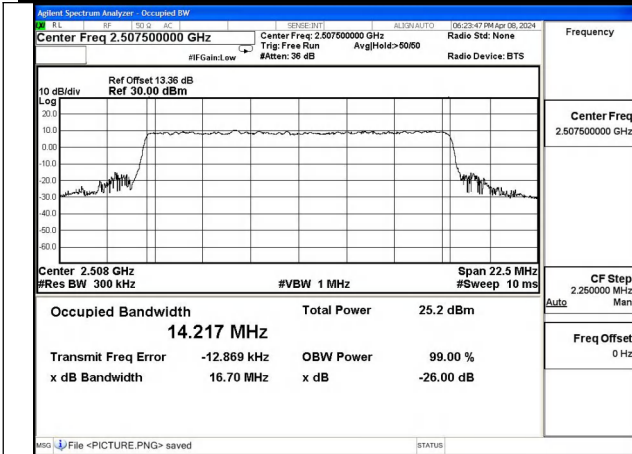


Fig.25

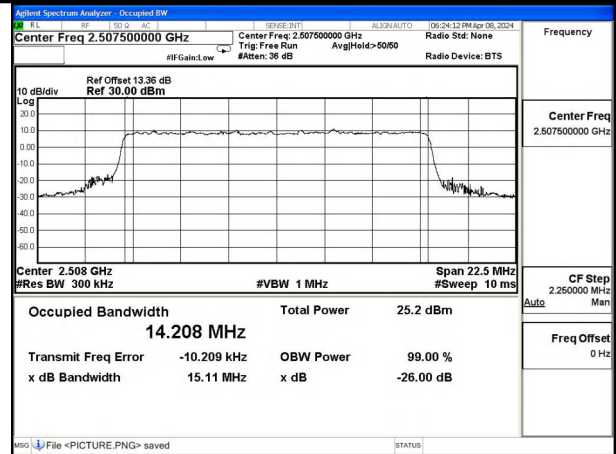


Fig.26

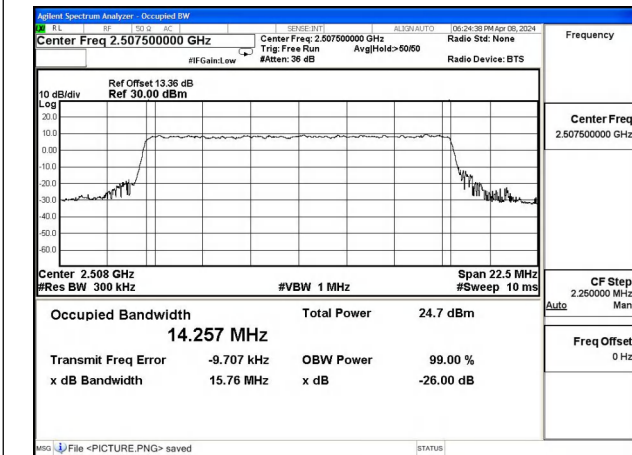


Fig.27

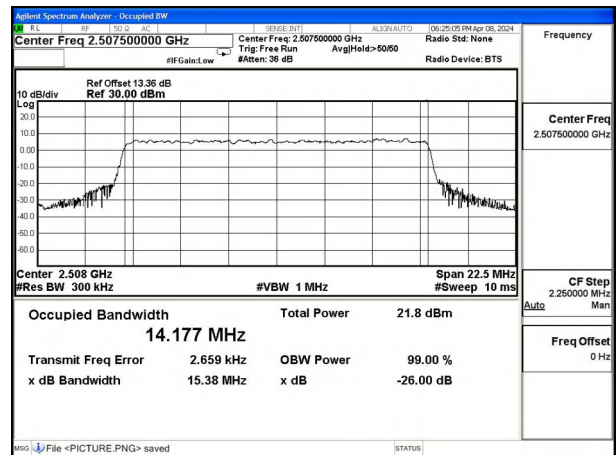


Fig.28

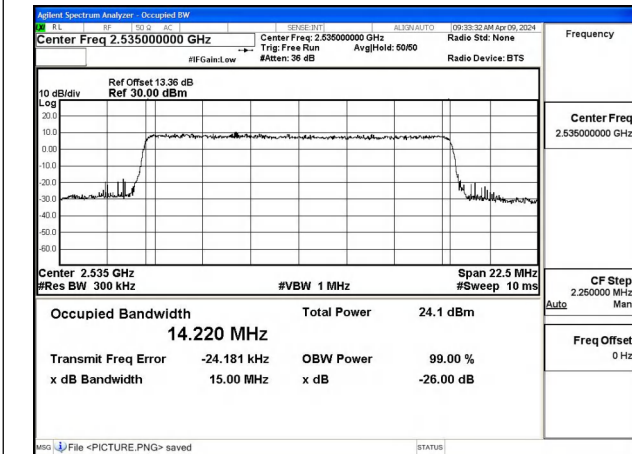


Fig.29

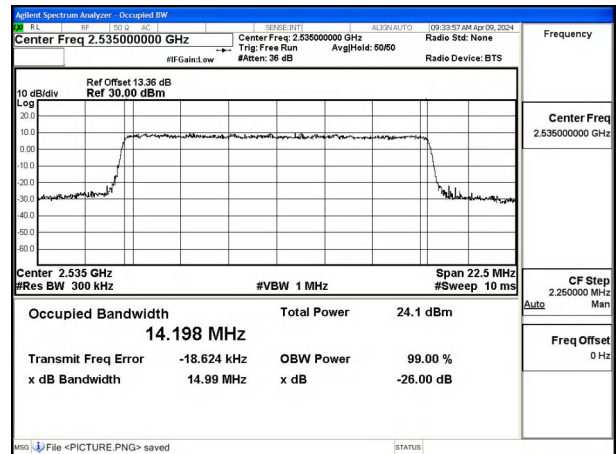


Fig.30

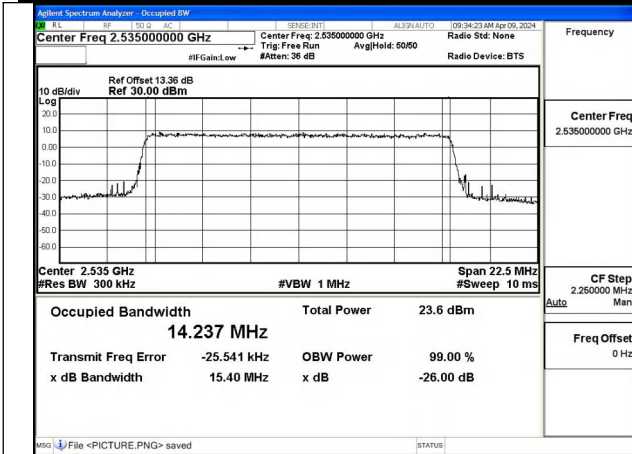


Fig.31

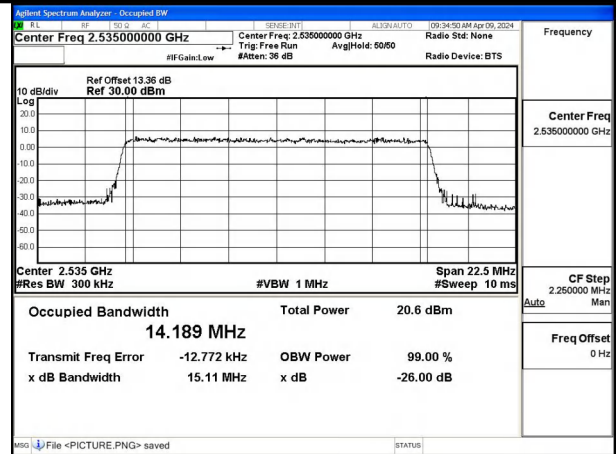


Fig.32

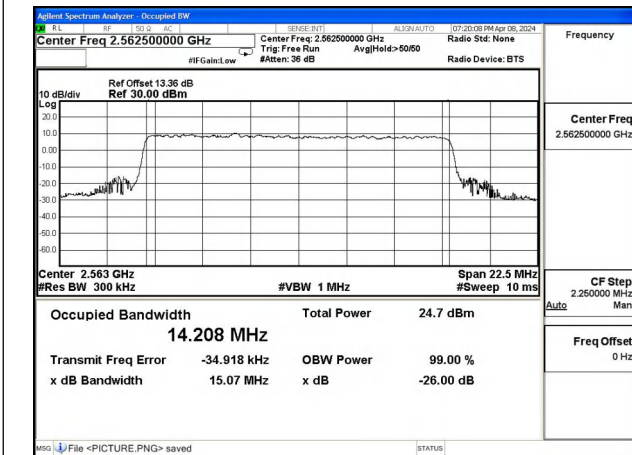


Fig.33

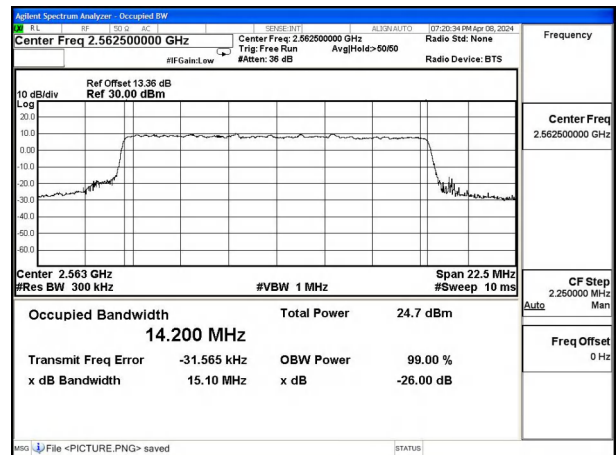


Fig.34

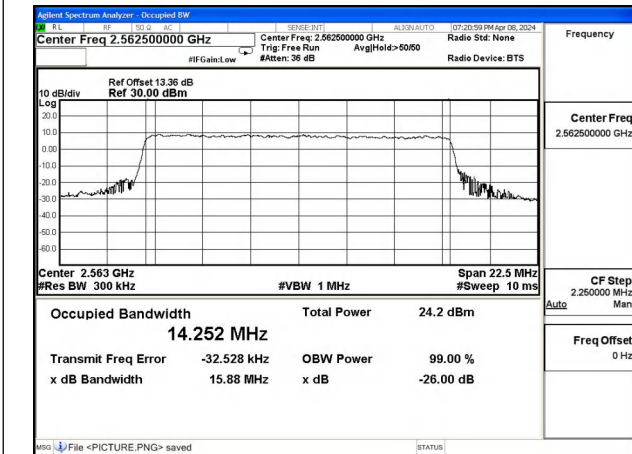


Fig.35

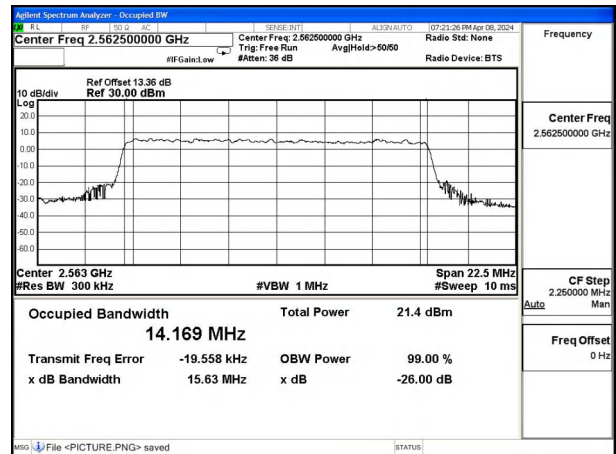


Fig.36

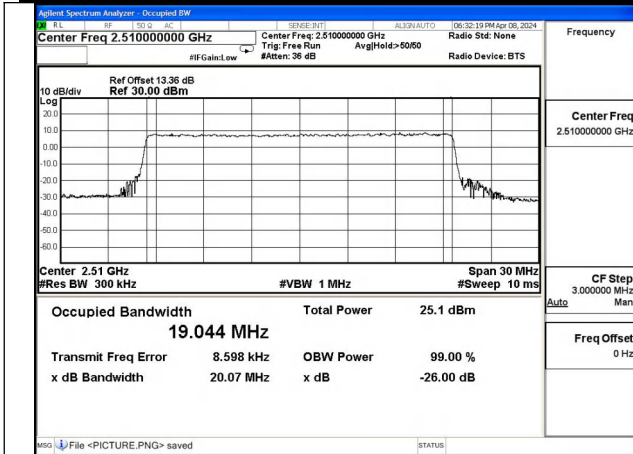


Fig.37

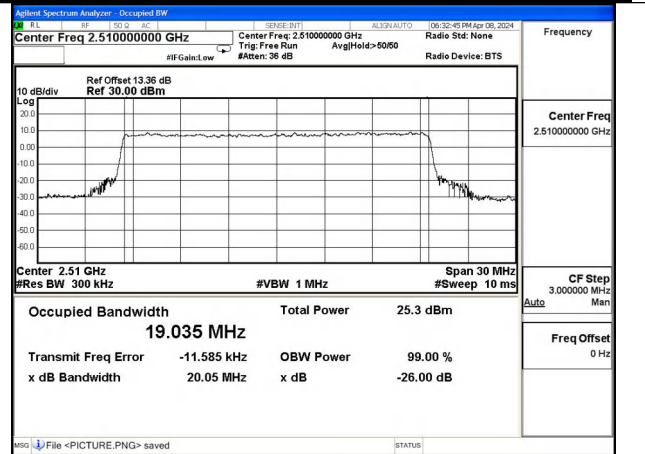


Fig.38

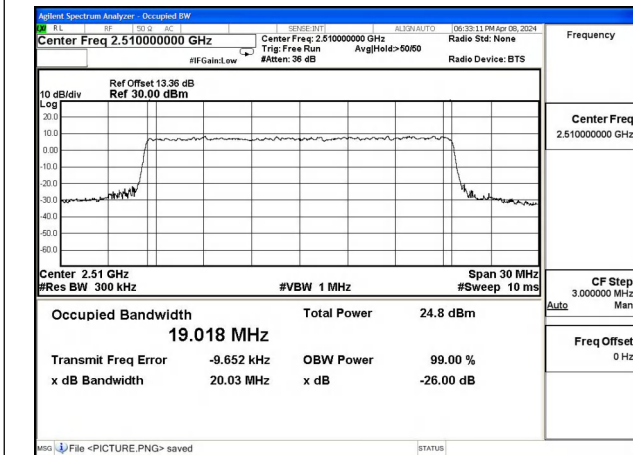


Fig.39

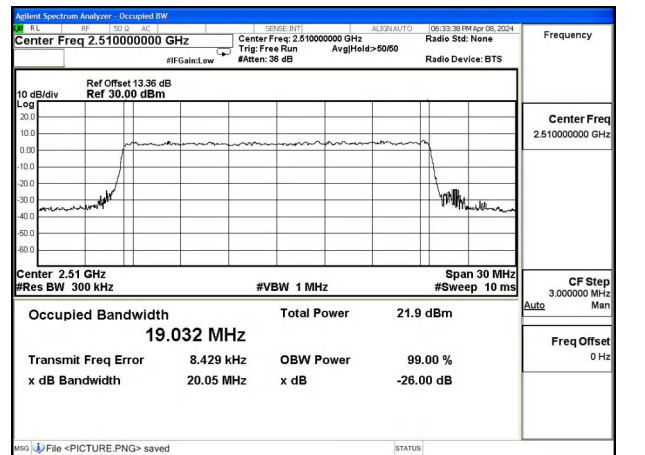


Fig.40

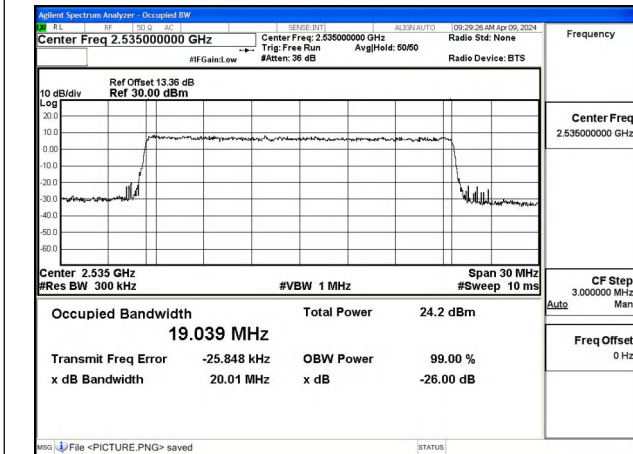


Fig.41

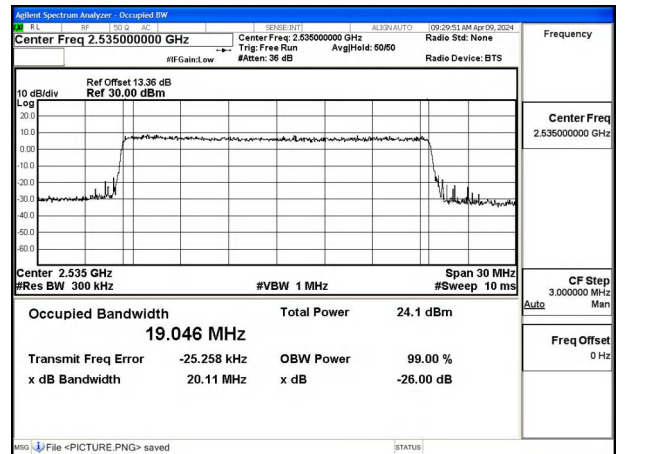


Fig.42



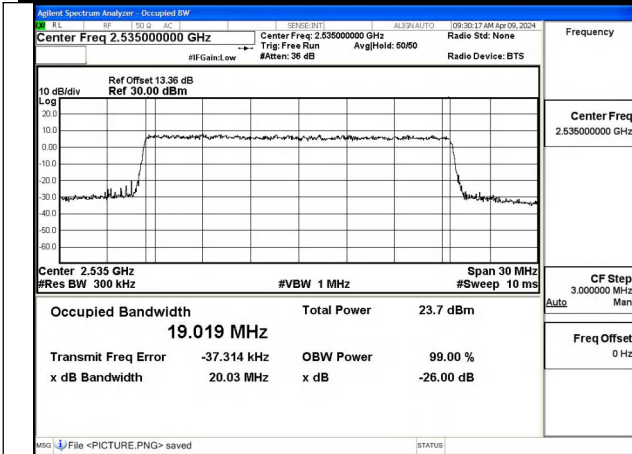


Fig.43

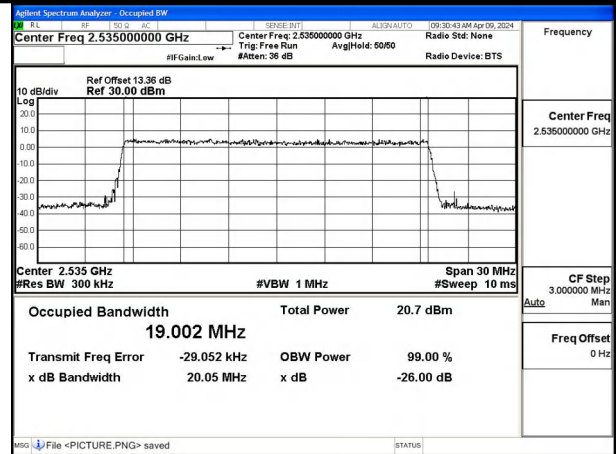


Fig.44

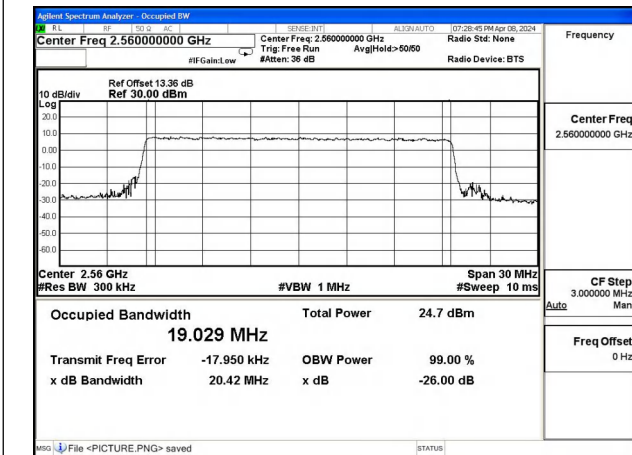


Fig.45

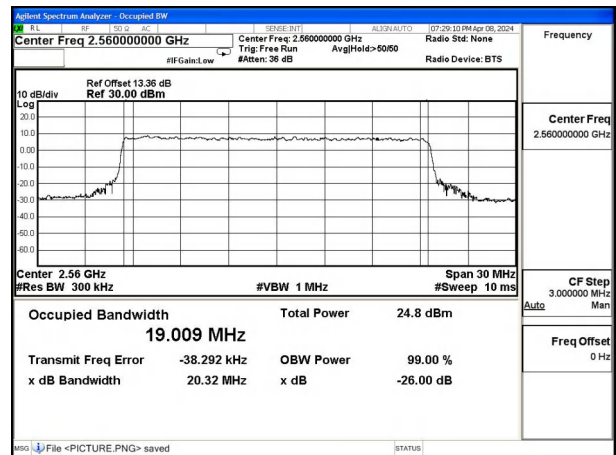


Fig.46

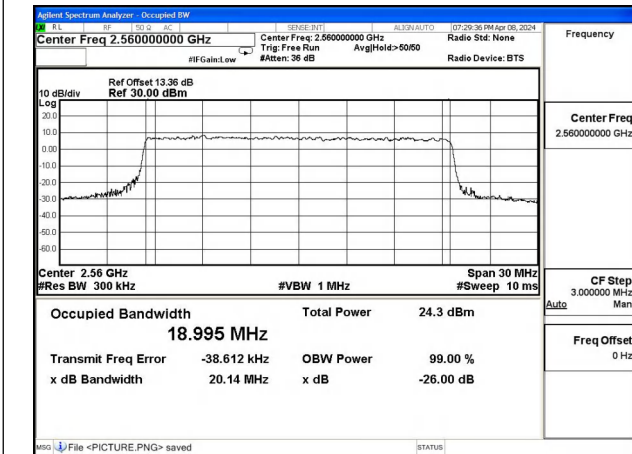


Fig.47

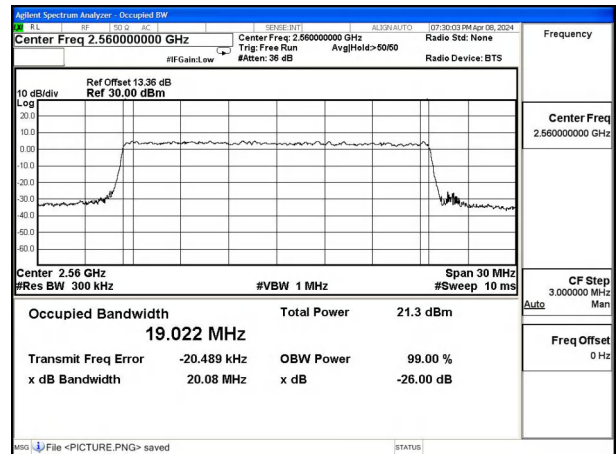


Fig.48

#### 4 Peak-Average Ratio

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | PAR Plot |
|----------------------|-------------------------|------------|----------|---------|-----------|----------|
| DFT-s-OFDM PI/2 BPSK | 2502.5                  | 500500     | 5        | 25      | 0         | Fig.1    |
| DFT-s-OFDM QPSK      | 2502.5                  | 500500     | 5        | 25      | 0         | Fig.2    |
| DFT-s-OFDM 16QAM     | 2502.5                  | 500500     | 5        | 25      | 0         | Fig.3    |
| DFT-s-OFDM 64QAM     | 2502.5                  | 500500     | 5        | 25      | 0         | Fig.4    |
| DFT-s-OFDM 256QAM    | 2502.5                  | 500500     | 5        | 25      | 0         | Fig.5    |
| DFT-s-OFDM PI/2 BPSK | 2535                    | 507000     | 5        | 25      | 0         | Fig.6    |
| DFT-s-OFDM QPSK      | 2535                    | 507000     | 5        | 25      | 0         | Fig.7    |
| DFT-s-OFDM 16QAM     | 2535                    | 507000     | 5        | 25      | 0         | Fig.8    |
| DFT-s-OFDM 64QAM     | 2535                    | 507000     | 5        | 25      | 0         | Fig.9    |
| DFT-s-OFDM 256QAM    | 2535                    | 507000     | 5        | 25      | 0         | Fig.10   |
| DFT-s-OFDM PI/2 BPSK | 2567.5                  | 513500     | 5        | 25      | 0         | Fig.11   |
| DFT-s-OFDM QPSK      | 2567.5                  | 513500     | 5        | 25      | 0         | Fig.12   |
| DFT-s-OFDM 16QAM     | 2567.5                  | 513500     | 5        | 25      | 0         | Fig.13   |
| DFT-s-OFDM 64QAM     | 2567.5                  | 513500     | 5        | 25      | 0         | Fig.14   |
| DFT-s-OFDM 256QAM    | 2567.5                  | 513500     | 5        | 25      | 0         | Fig.15   |
| DFT-s-OFDM PI/2 BPSK | 2505                    | 501000     | 10       | 50      | 0         | Fig.16   |
| DFT-s-OFDM QPSK      | 2505                    | 501000     | 10       | 50      | 0         | Fig.17   |
| DFT-s-OFDM 16QAM     | 2505                    | 501000     | 10       | 50      | 0         | Fig.18   |
| DFT-s-OFDM 64QAM     | 2505                    | 501000     | 10       | 50      | 0         | Fig.19   |
| DFT-s-OFDM 256QAM    | 2505                    | 501000     | 10       | 50      | 0         | Fig.20   |
| DFT-s-OFDM PI/2 BPSK | 2535                    | 507000     | 10       | 50      | 0         | Fig.21   |
| DFT-s-OFDM QPSK      | 2535                    | 507000     | 10       | 50      | 0         | Fig.22   |
| DFT-s-OFDM 16QAM     | 2535                    | 507000     | 10       | 50      | 0         | Fig.23   |
| DFT-s-OFDM 64QAM     | 2535                    | 507000     | 10       | 50      | 0         | Fig.24   |
| DFT-s-OFDM 256QAM    | 2535                    | 507000     | 10       | 50      | 0         | Fig.25   |
| DFT-s-OFDM PI/2 BPSK | 2565                    | 513000     | 10       | 50      | 0         | Fig.26   |
| DFT-s-OFDM QPSK      | 2565                    | 513000     | 10       | 50      | 0         | Fig.27   |
| DFT-s-OFDM 16QAM     | 2565                    | 513000     | 10       | 50      | 0         | Fig.28   |
| DFT-s-OFDM 64QAM     | 2565                    | 513000     | 10       | 50      | 0         | Fig.29   |
| DFT-s-OFDM 256QAM    | 2565                    | 513000     | 10       | 50      | 0         | Fig.30   |
| DFT-s-OFDM PI/2 BPSK | 2507.5                  | 501500     | 15       | 75      | 0         | Fig.31   |
| DFT-s-OFDM QPSK      | 2507.5                  | 501500     | 15       | 75      | 0         | Fig.32   |
| DFT-s-OFDM 16QAM     | 2507.5                  | 501500     | 15       | 75      | 0         | Fig.33   |
| DFT-s-OFDM 64QAM     | 2507.5                  | 501500     | 15       | 75      | 0         | Fig.34   |
| DFT-s-OFDM 256QAM    | 2507.5                  | 501500     | 15       | 75      | 0         | Fig.35   |
| DFT-s-OFDM PI/2 BPSK | 2535                    | 507000     | 15       | 75      | 0         | Fig.36   |
| DFT-s-OFDM QPSK      | 2535                    | 507000     | 15       | 75      | 0         | Fig.37   |
| DFT-s-OFDM 16QAM     | 2535                    | 507000     | 15       | 75      | 0         | Fig.38   |
| DFT-s-OFDM 64QAM     | 2535                    | 507000     | 15       | 75      | 0         | Fig.39   |
| DFT-s-OFDM 256QAM    | 2535                    | 507000     | 15       | 75      | 0         | Fig.40   |
| DFT-s-OFDM PI/2 BPSK | 2562.5                  | 512500     | 15       | 75      | 0         | Fig.41   |
| DFT-s-OFDM QPSK      | 2562.5                  | 512500     | 15       | 75      | 0         | Fig.42   |
| DFT-s-OFDM 16QAM     | 2562.5                  | 512500     | 15       | 75      | 0         | Fig.43   |
| DFT-s-OFDM 64QAM     | 2562.5                  | 512500     | 15       | 75      | 0         | Fig.44   |

|                      |        |        |    |     |   |        |
|----------------------|--------|--------|----|-----|---|--------|
| DFT-s-OFDM 256QAM    | 2562.5 | 512500 | 15 | 75  | 0 | Fig.45 |
| DFT-s-OFDM PI/2 BPSK | 2510   | 502000 | 20 | 100 | 0 | Fig.46 |
| DFT-s-OFDM QPSK      | 2510   | 502000 | 20 | 100 | 0 | Fig.47 |
| DFT-s-OFDM 16QAM     | 2510   | 502000 | 20 | 100 | 0 | Fig.48 |
| DFT-s-OFDM 64QAM     | 2510   | 502000 | 20 | 100 | 0 | Fig.49 |
| DFT-s-OFDM 256QAM    | 2510   | 502000 | 20 | 100 | 0 | Fig.50 |
| DFT-s-OFDM PI/2 BPSK | 2535   | 507000 | 20 | 100 | 0 | Fig.51 |
| DFT-s-OFDM QPSK      | 2535   | 507000 | 20 | 100 | 0 | Fig.52 |
| DFT-s-OFDM 16QAM     | 2535   | 507000 | 20 | 100 | 0 | Fig.53 |
| DFT-s-OFDM 64QAM     | 2535   | 507000 | 20 | 100 | 0 | Fig.54 |
| DFT-s-OFDM 256QAM    | 2535   | 507000 | 20 | 100 | 0 | Fig.55 |
| DFT-s-OFDM PI/2 BPSK | 2560   | 512000 | 20 | 100 | 0 | Fig.56 |
| DFT-s-OFDM QPSK      | 2560   | 512000 | 20 | 100 | 0 | Fig.57 |
| DFT-s-OFDM 16QAM     | 2560   | 512000 | 20 | 100 | 0 | Fig.58 |
| DFT-s-OFDM 64QAM     | 2560   | 512000 | 20 | 100 | 0 | Fig.59 |
| DFT-s-OFDM 256QAM    | 2560   | 512000 | 20 | 100 | 0 | Fig.60 |

### Test Plot:

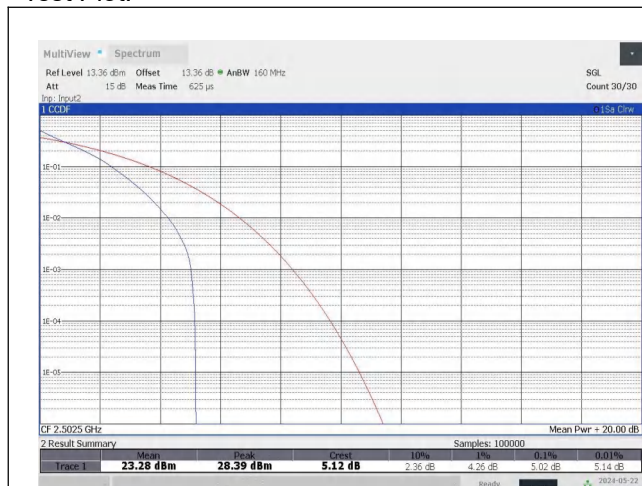


Fig.1

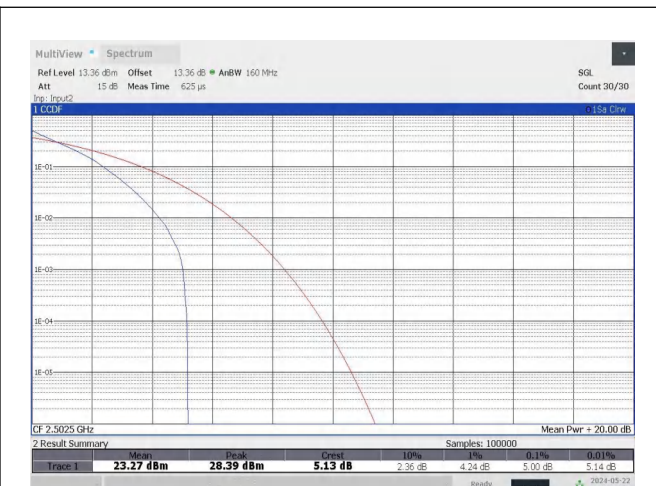


Fig.2

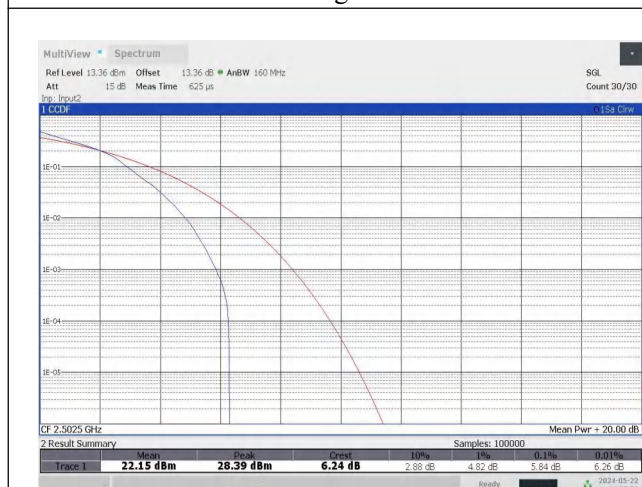


Fig.3

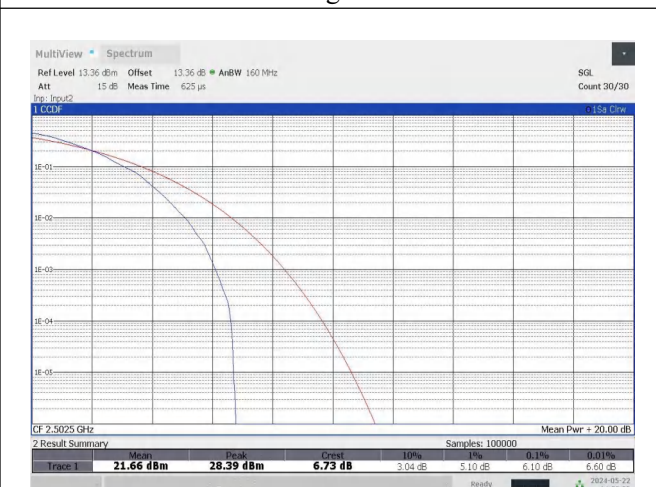


Fig.4

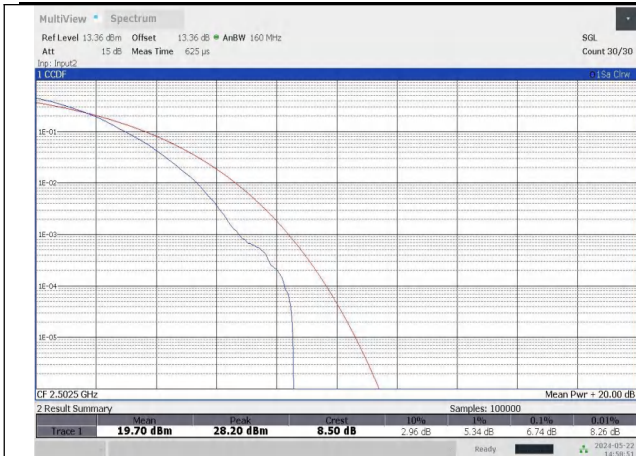


Fig.5

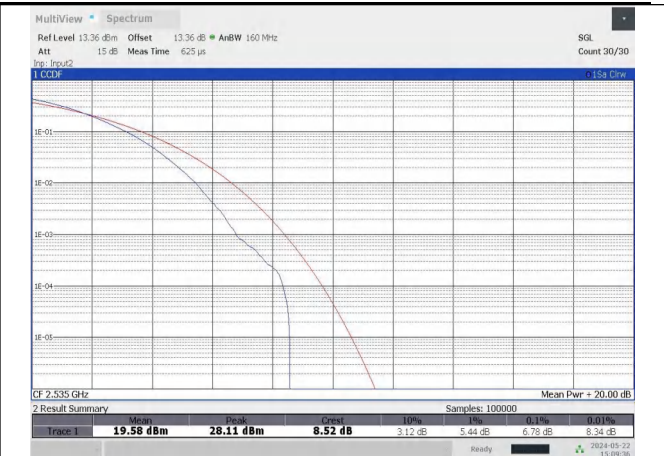


Fig.6

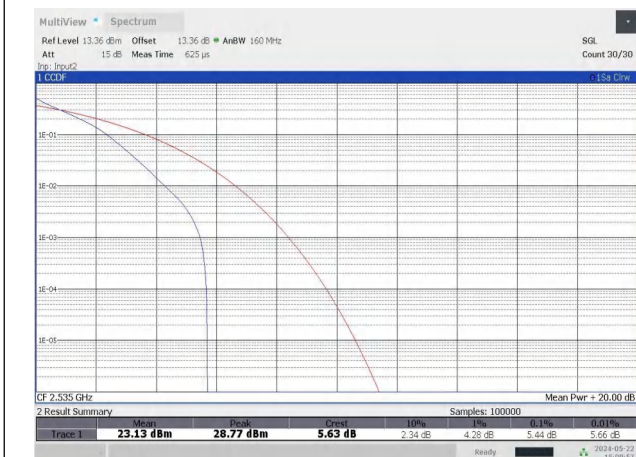


Fig.7

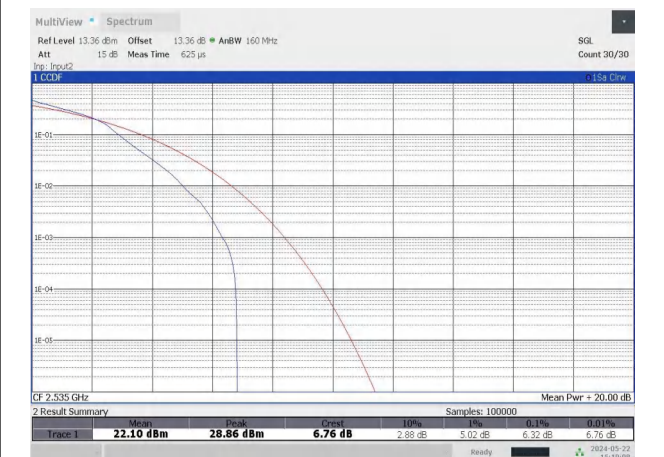


Fig.8

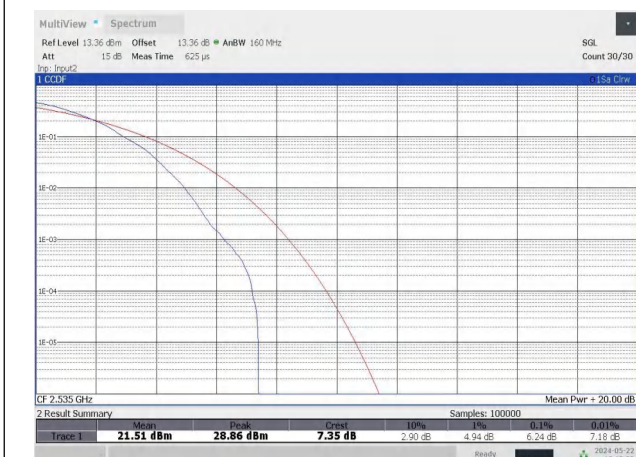


Fig.9

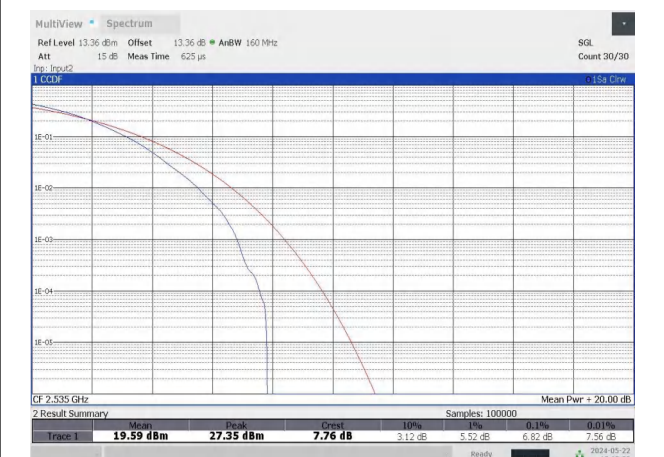


Fig.10



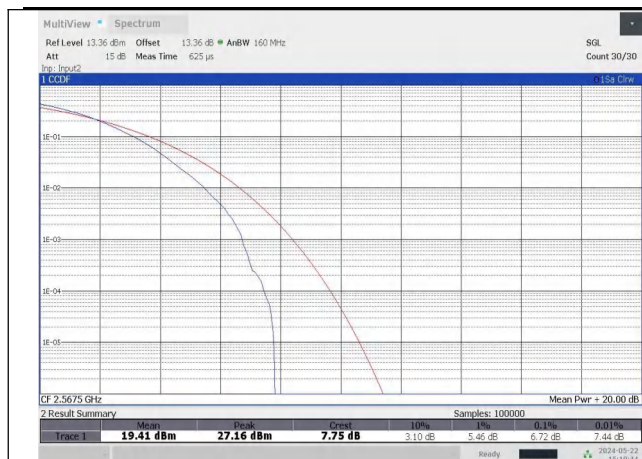


Fig.11

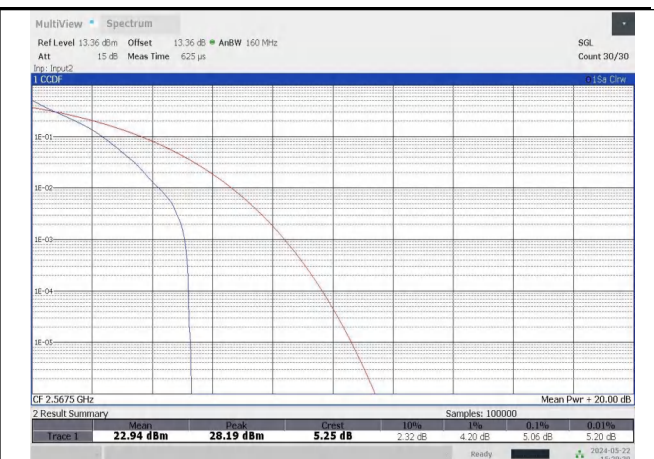


Fig.12

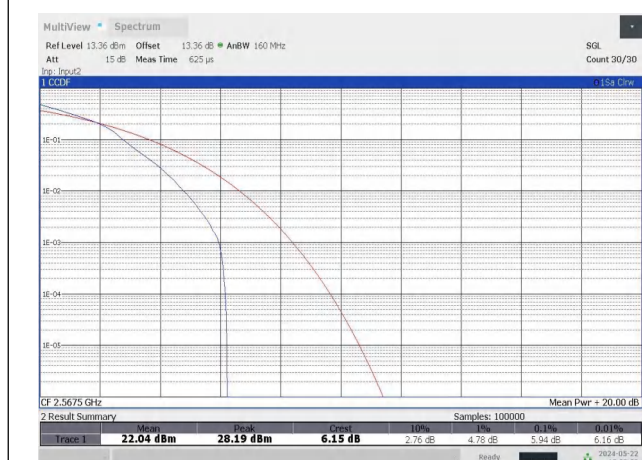


Fig.13

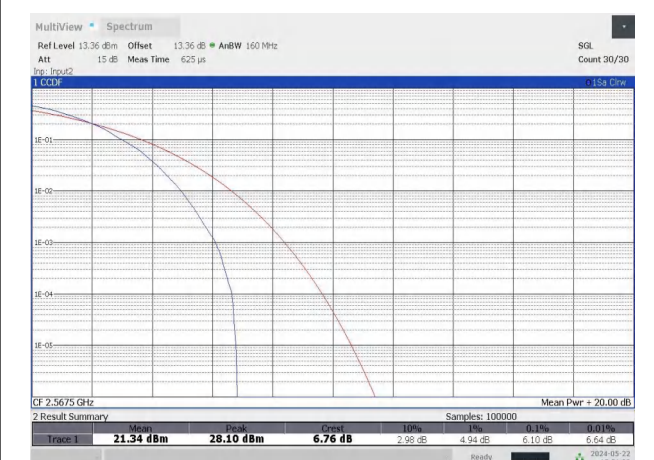


Fig.14

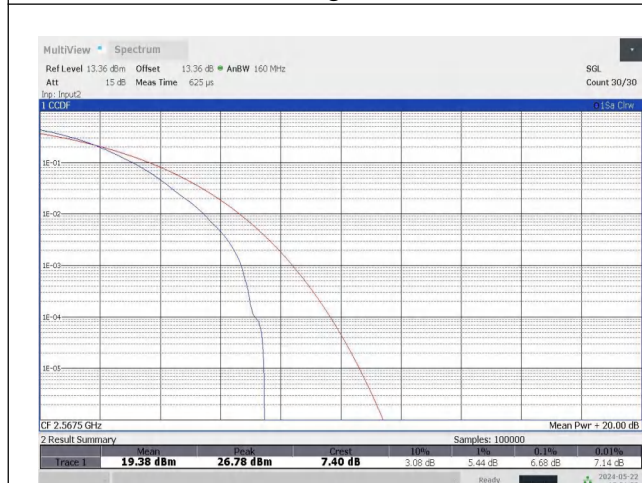


Fig.15

## 5 Spurious Emissions at antenna terminal

| Modulation   | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted Spurious Plot |        |
|--------------|-------------------------|------------|----------|---------|-----------|-------------------------|--------|
|              |                         |            |          |         |           | 30M~1G                  | 1G~20G |
| CP-OFDM QPSK | 2502.5                  | 500500     | 5        | 25      | 0         | Fig.1                   | Fig.2  |
| CP-OFDM QPSK | 2502.5                  | 500500     | 5        | 1       | 0         | Fig.3                   | Fig.4  |
| CP-OFDM QPSK | 2502.5                  | 500500     | 5        | 1       | 24        | Fig.5                   | Fig.6  |
| CP-OFDM QPSK | 2535                    | 507000     | 5        | 25      | 0         | Fig.7                   | Fig.8  |
| CP-OFDM QPSK | 2535                    | 507000     | 5        | 1       | 0         | Fig.9                   | Fig.10 |
| CP-OFDM QPSK | 2535                    | 507000     | 5        | 1       | 24        | Fig.11                  | Fig.12 |
| CP-OFDM QPSK | 2567.5                  | 513500     | 5        | 25      | 0         | Fig.13                  | Fig.14 |
| CP-OFDM QPSK | 2567.5                  | 513500     | 5        | 1       | 0         | Fig.15                  | Fig.16 |
| CP-OFDM QPSK | 2567.5                  | 513500     | 5        | 1       | 24        | Fig.17                  | Fig.18 |
| CP-OFDM QPSK | 2505                    | 501000     | 10       | 52      | 0         | Fig.19                  | Fig.20 |
| CP-OFDM QPSK | 2505                    | 501000     | 10       | 1       | 0         | Fig.21                  | Fig.22 |
| CP-OFDM QPSK | 2505                    | 501000     | 10       | 1       | 51        | Fig.23                  | Fig.24 |
| CP-OFDM QPSK | 2535                    | 507000     | 10       | 52      | 0         | Fig.25                  | Fig.26 |
| CP-OFDM QPSK | 2535                    | 507000     | 10       | 1       | 0         | Fig.27                  | Fig.28 |
| CP-OFDM QPSK | 2535                    | 507000     | 10       | 1       | 51        | Fig.29                  | Fig.30 |
| CP-OFDM QPSK | 2565                    | 513000     | 10       | 52      | 0         | Fig.31                  | Fig.32 |
| CP-OFDM QPSK | 2565                    | 513000     | 10       | 1       | 0         | Fig.33                  | Fig.34 |
| CP-OFDM QPSK | 2565                    | 513000     | 10       | 1       | 51        | Fig.35                  | Fig.36 |
| CP-OFDM QPSK | 2507.5                  | 501500     | 15       | 79      | 0         | Fig.37                  | Fig.38 |
| CP-OFDM QPSK | 2507.5                  | 501500     | 15       | 1       | 0         | Fig.39                  | Fig.40 |
| CP-OFDM QPSK | 2507.5                  | 501500     | 15       | 1       | 78        | Fig.41                  | Fig.42 |
| CP-OFDM QPSK | 2535                    | 507000     | 15       | 79      | 0         | Fig.43                  | Fig.44 |
| CP-OFDM QPSK | 2535                    | 507000     | 15       | 1       | 0         | Fig.45                  | Fig.46 |
| CP-OFDM QPSK | 2535                    | 507000     | 15       | 1       | 78        | Fig.47                  | Fig.48 |
| CP-OFDM QPSK | 2562.5                  | 512500     | 15       | 79      | 0         | Fig.49                  | Fig.50 |
| CP-OFDM QPSK | 2562.5                  | 512500     | 15       | 1       | 0         | Fig.51                  | Fig.52 |
| CP-OFDM QPSK | 2562.5                  | 512500     | 15       | 1       | 78        | Fig.53                  | Fig.54 |
| CP-OFDM QPSK | 2510                    | 502000     | 20       | 106     | 0         | Fig.55                  | Fig.56 |
| CP-OFDM QPSK | 2510                    | 502000     | 20       | 1       | 0         | Fig.57                  | Fig.58 |
| CP-OFDM QPSK | 2510                    | 502000     | 20       | 1       | 105       | Fig.59                  | Fig.60 |
| CP-OFDM QPSK | 2535                    | 507000     | 20       | 106     | 0         | Fig.61                  | Fig.62 |
| CP-OFDM QPSK | 2535                    | 507000     | 20       | 1       | 0         | Fig.63                  | Fig.64 |
| CP-OFDM QPSK | 2535                    | 507000     | 20       | 1       | 105       | Fig.65                  | Fig.66 |
| CP-OFDM QPSK | 2560                    | 512000     | 20       | 106     | 0         | Fig.67                  | Fig.68 |
| CP-OFDM QPSK | 2560                    | 512000     | 20       | 1       | 0         | Fig.69                  | Fig.70 |
| CP-OFDM QPSK | 2560                    | 512000     | 20       | 1       | 105       | Fig.71                  | Fig.72 |

Test Plot:

|  |  |
|--|--|
|  |  |
|--|--|

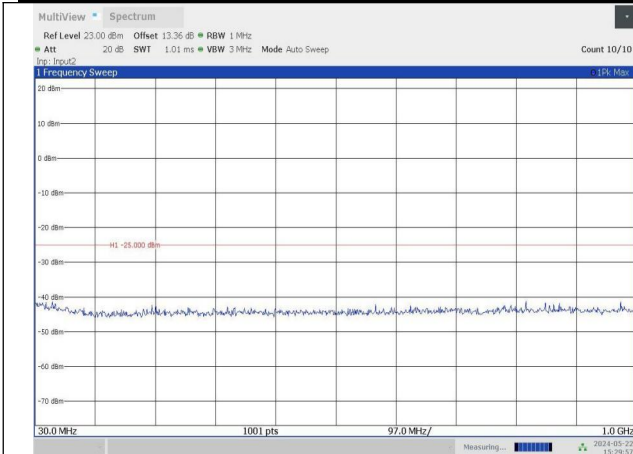


Fig.1

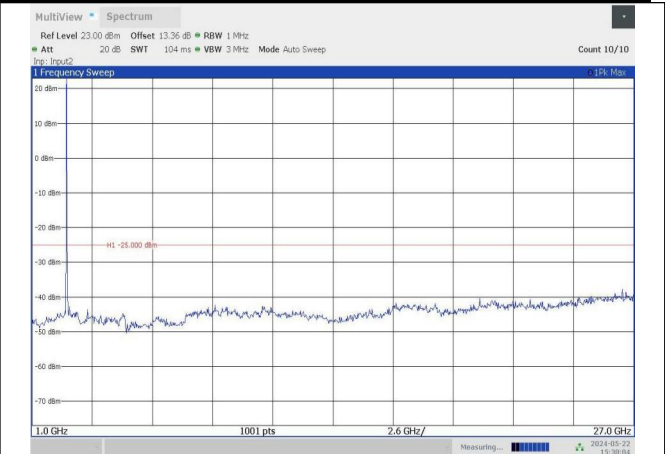


Fig.2

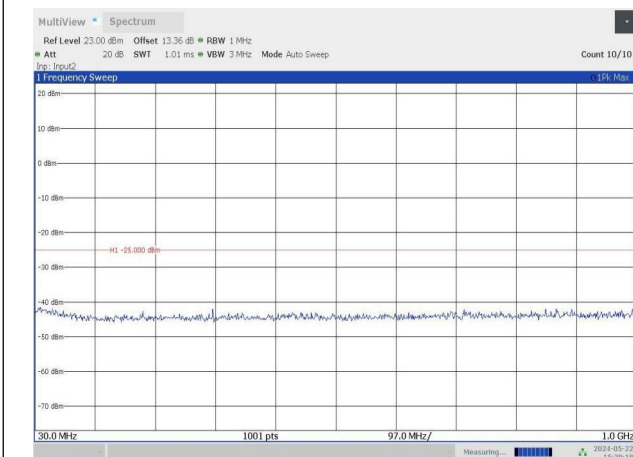


Fig.3

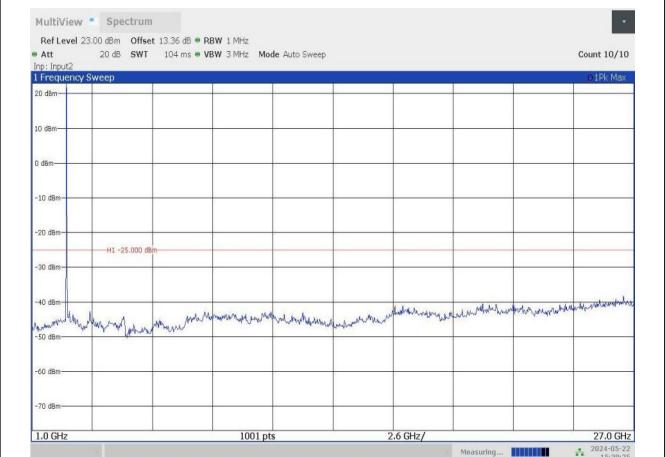


Fig.4

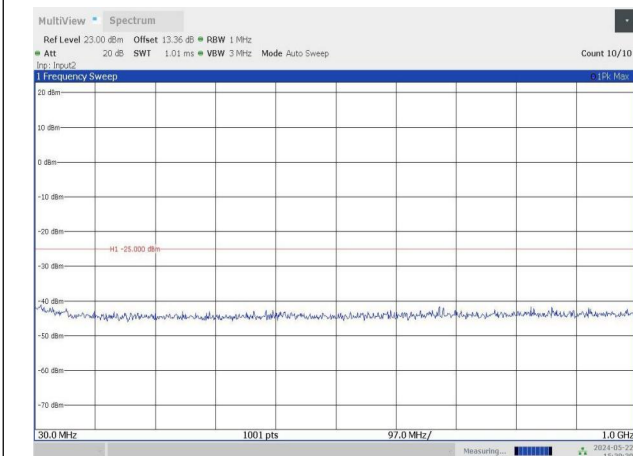


Fig.5

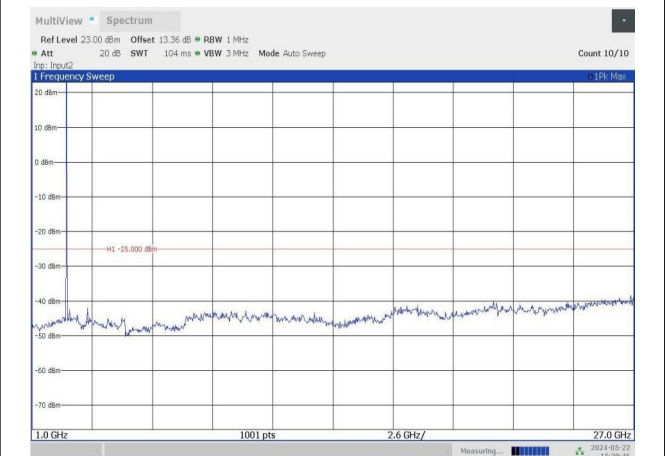


Fig.6

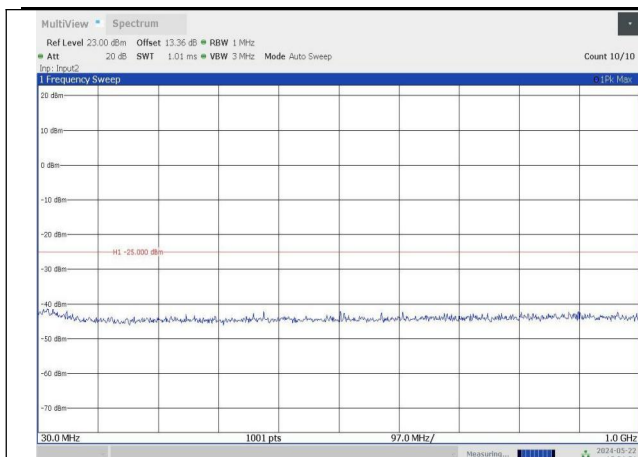


Fig.7

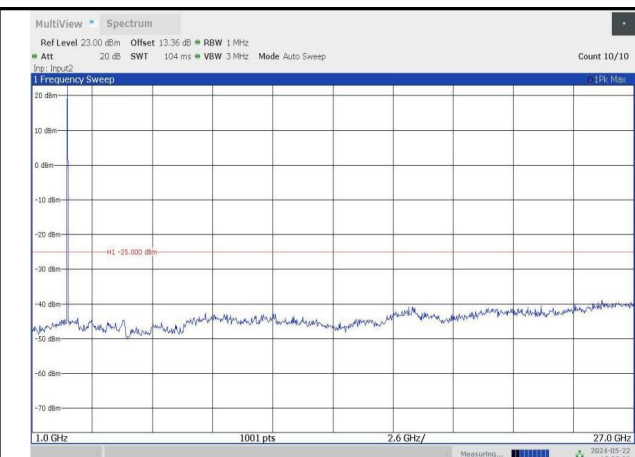


Fig.8

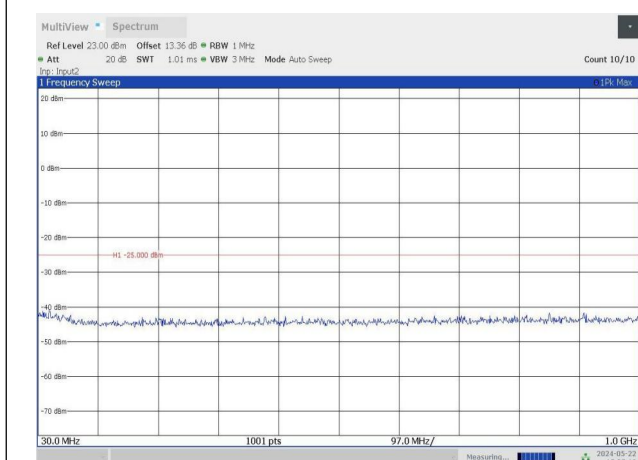


Fig.9

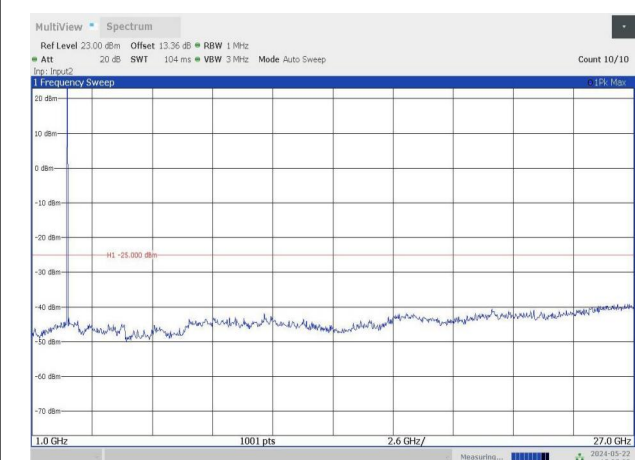


Fig.10

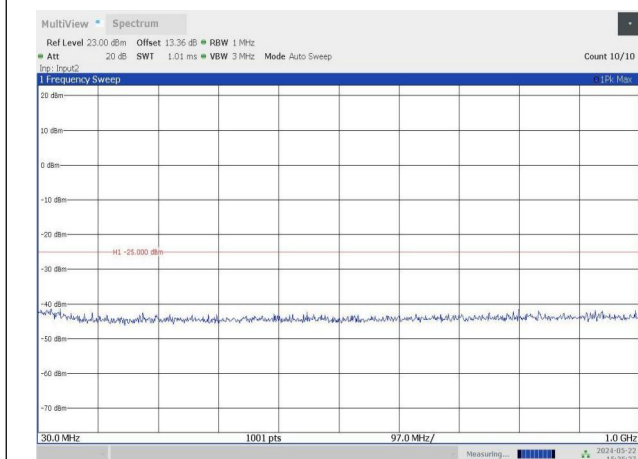


Fig.11

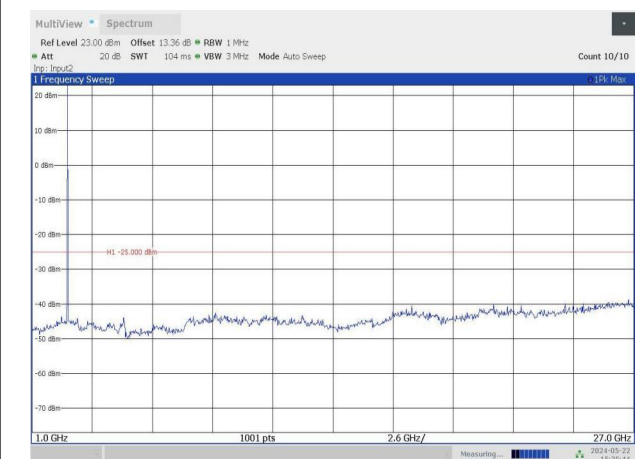


Fig.12



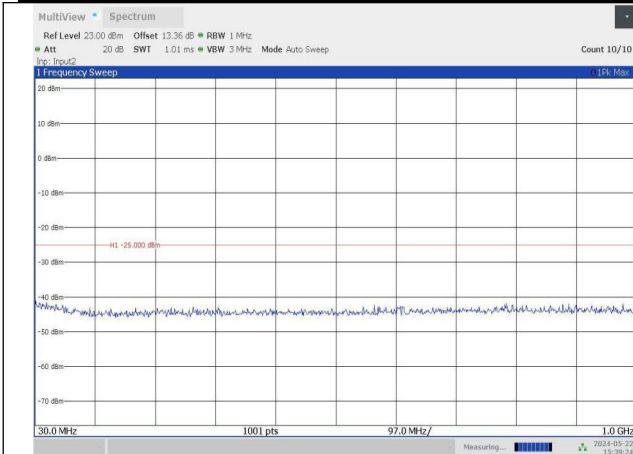


Fig.13

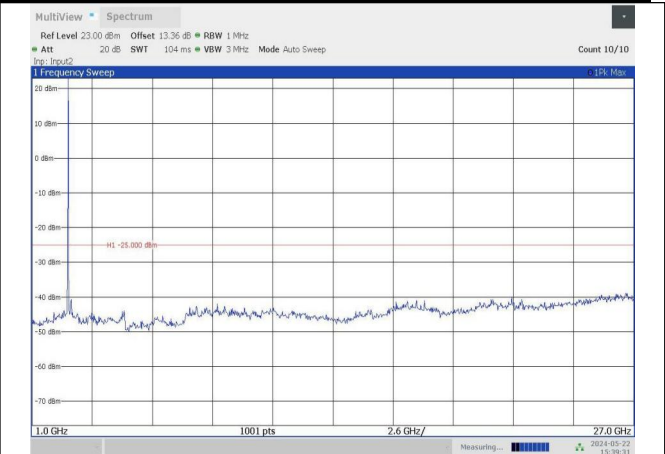


Fig.14

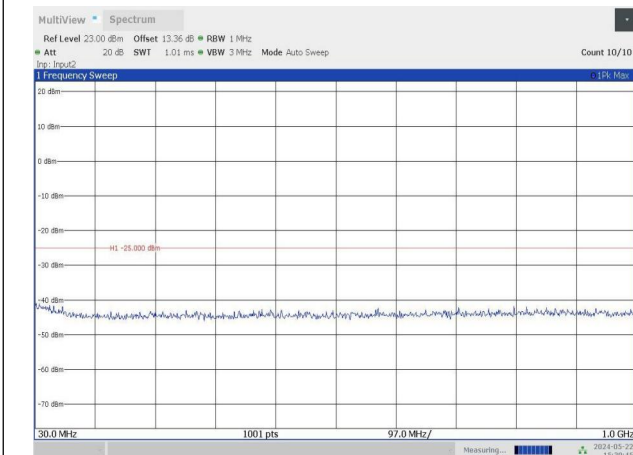


Fig.15

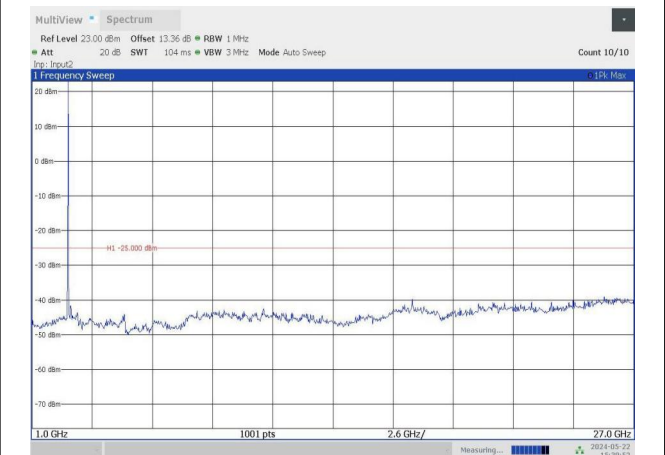


Fig.16

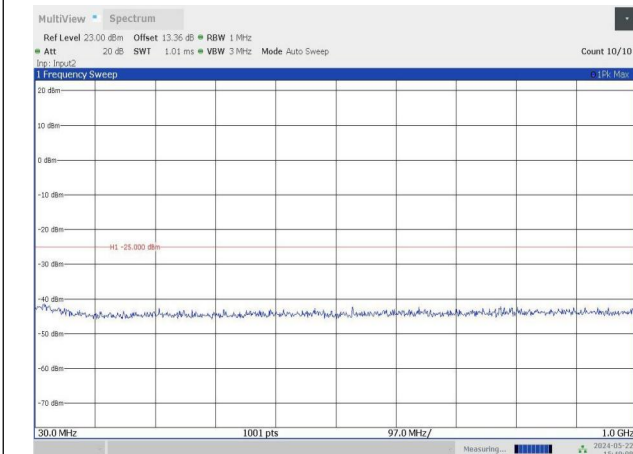


Fig.17

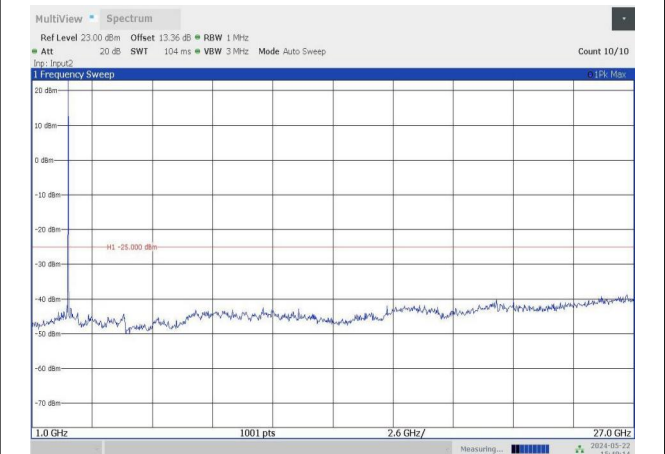


Fig.18

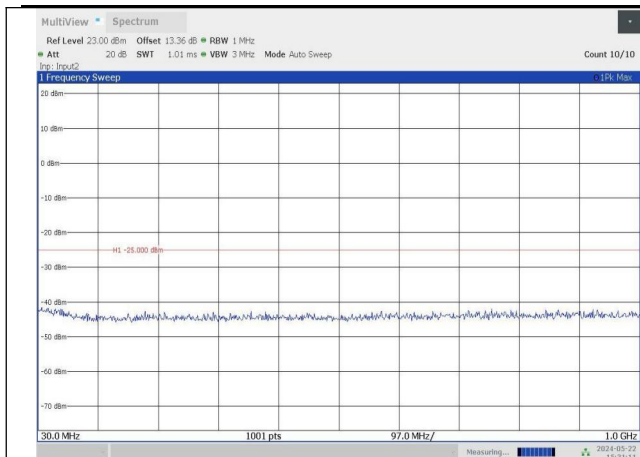


Fig.19

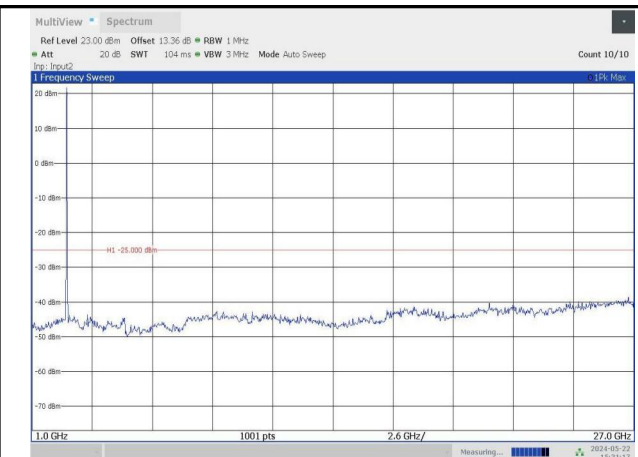


Fig.20

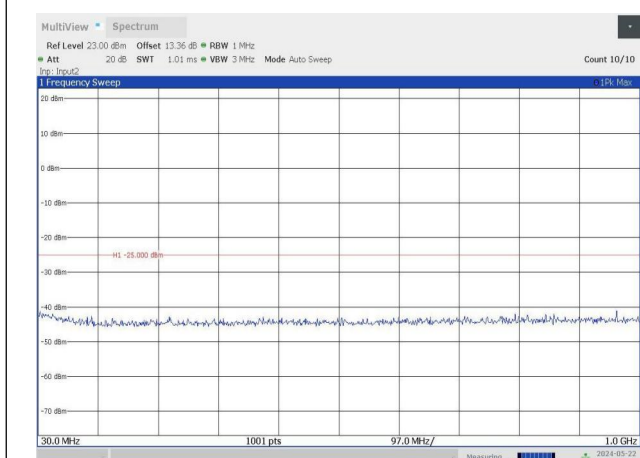


Fig.21



Fig.22

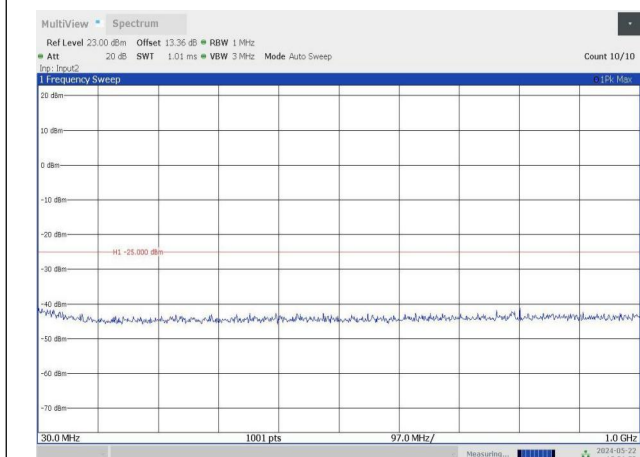


Fig.23

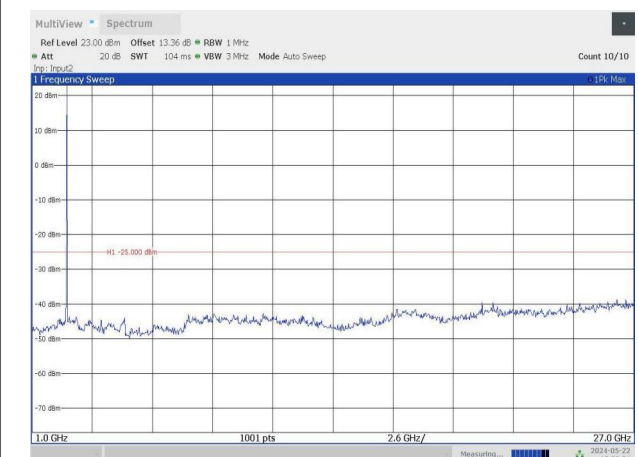


Fig.24

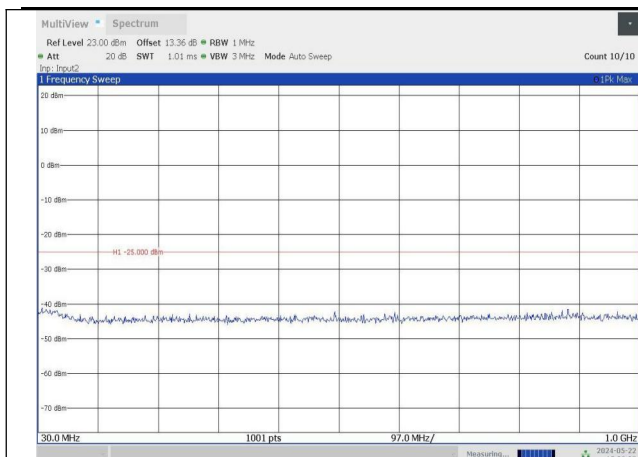


Fig.25

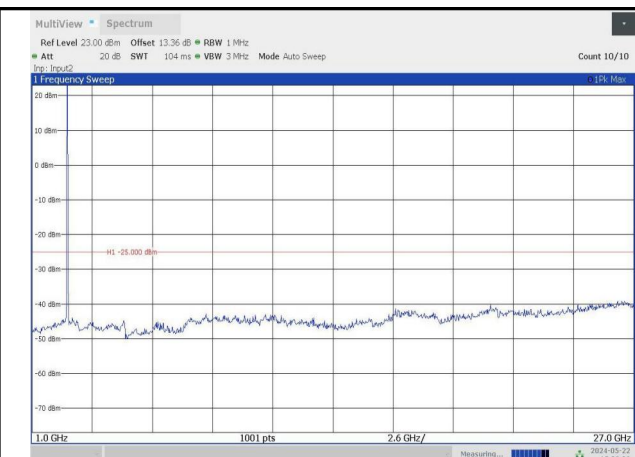


Fig.26

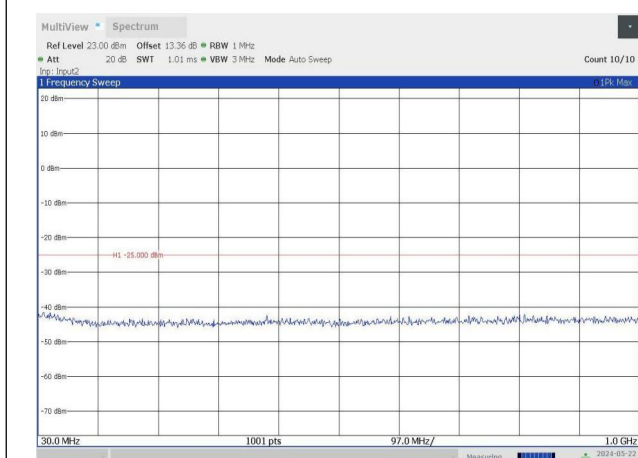


Fig.27

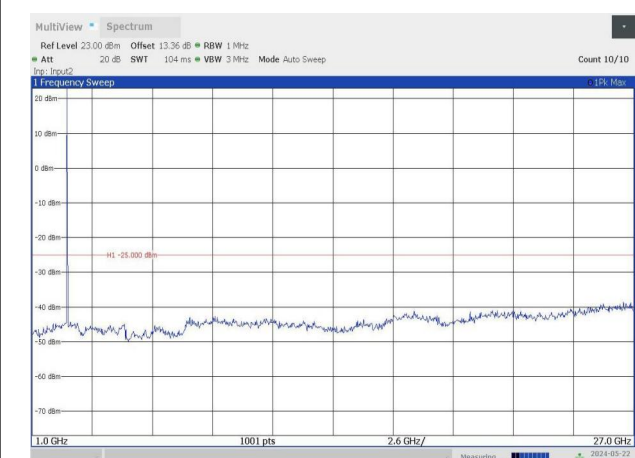


Fig.28

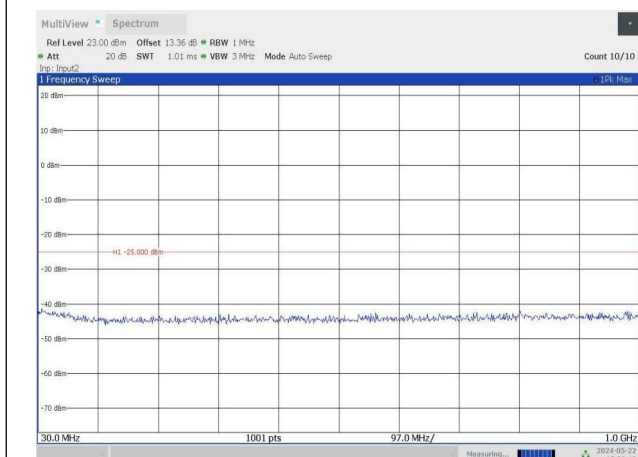


Fig.29

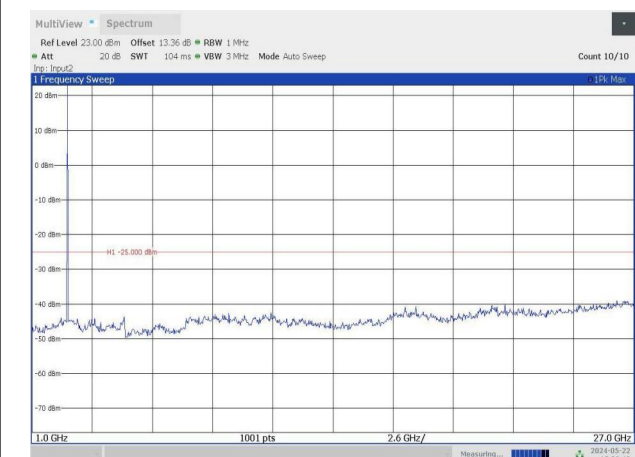


Fig.30

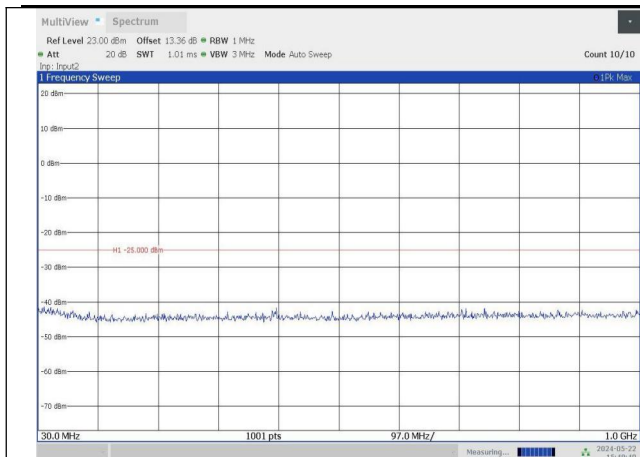


Fig.31

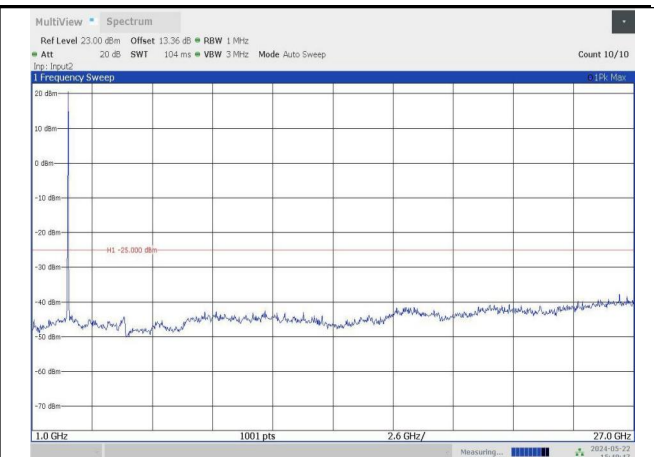


Fig.32

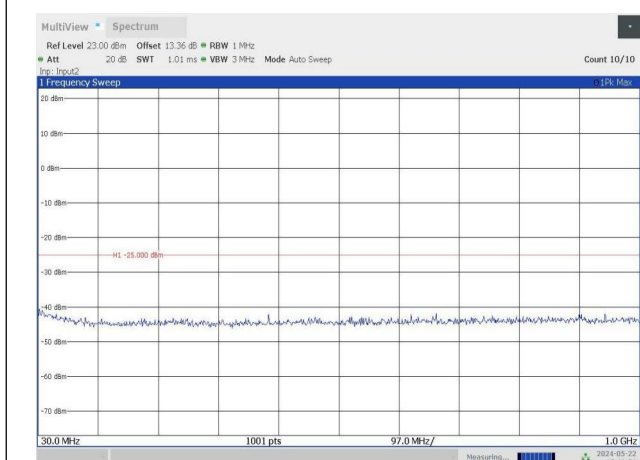


Fig.33

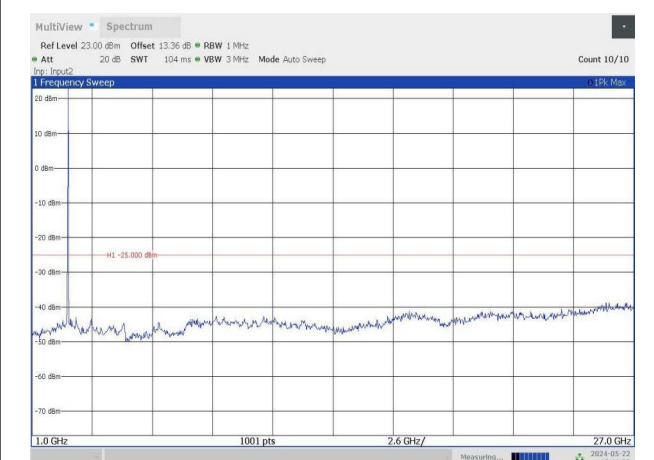


Fig.34

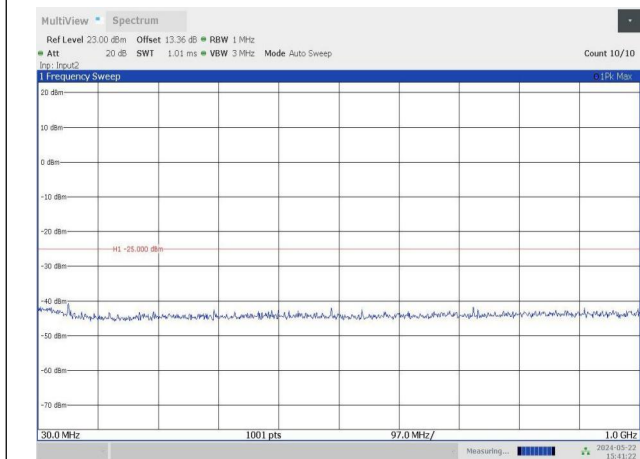


Fig.35

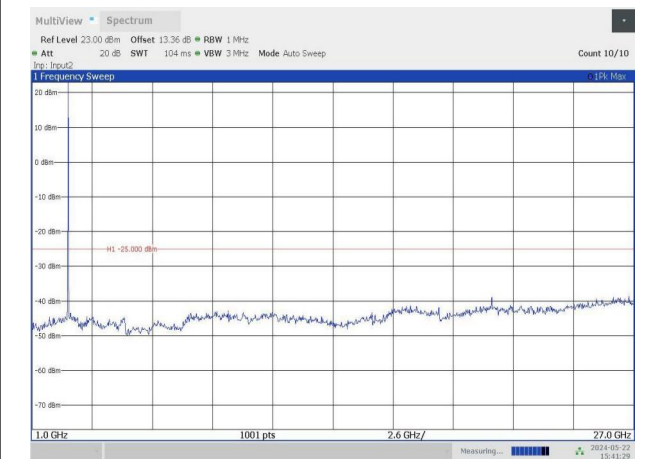


Fig.36



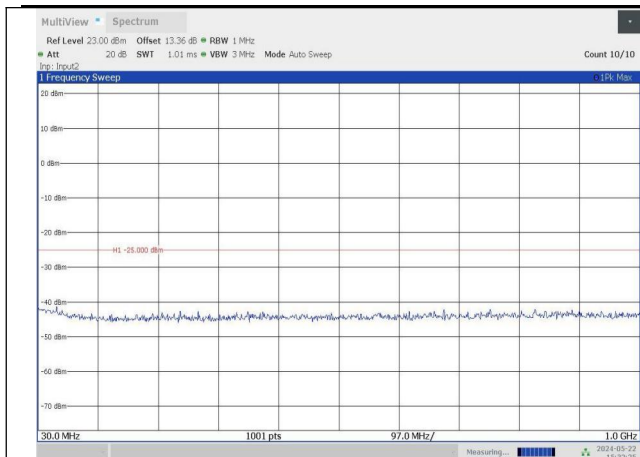


Fig.37

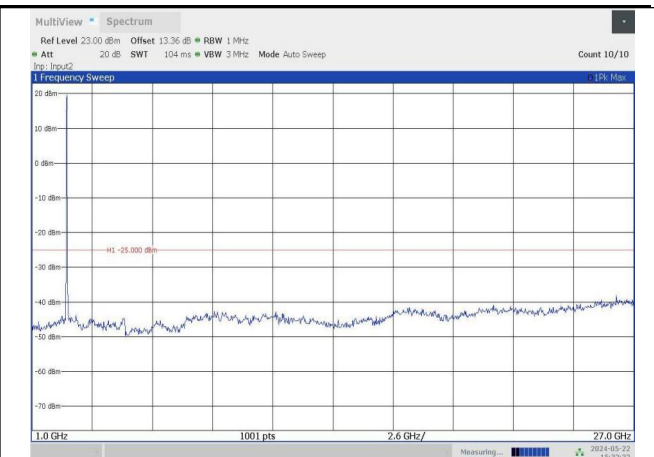


Fig.38

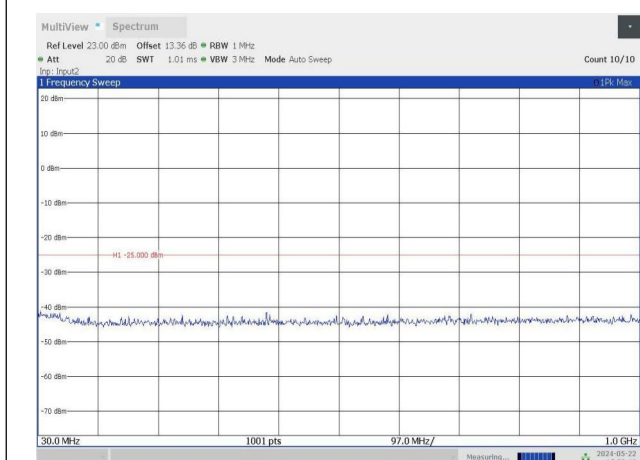


Fig.39

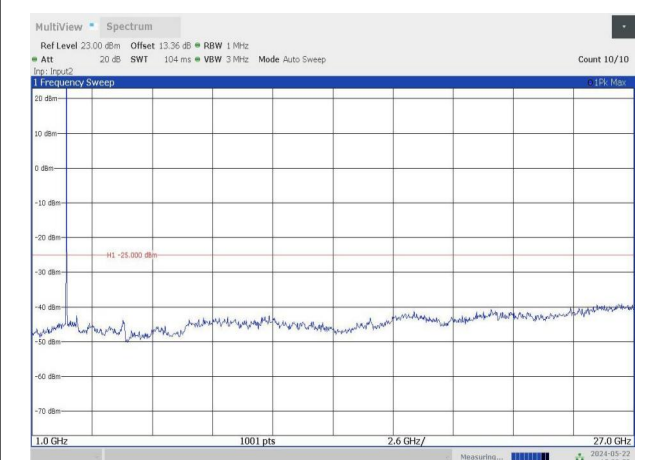


Fig.40

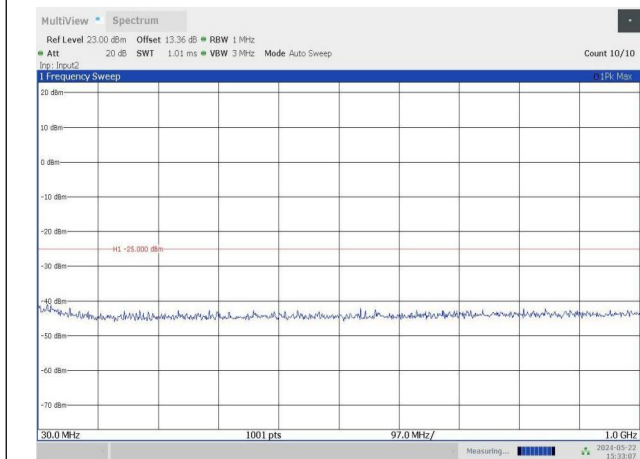


Fig.41

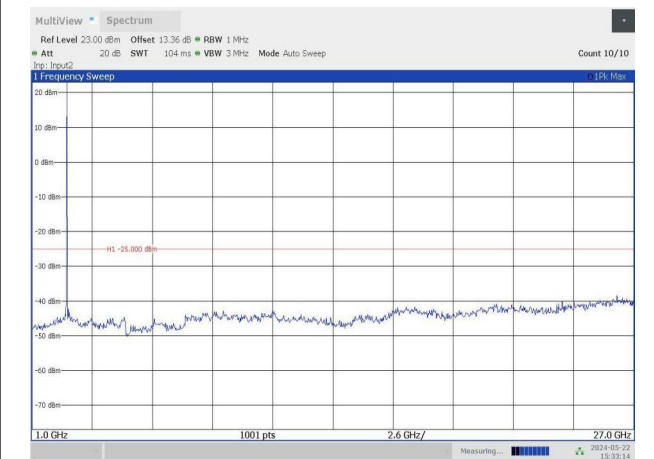


Fig.42

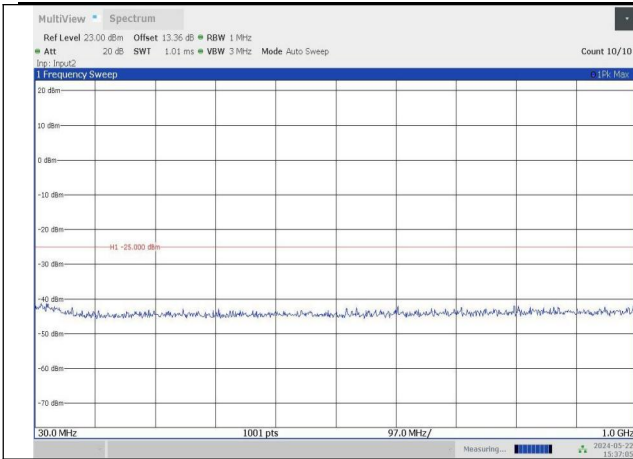


Fig.43

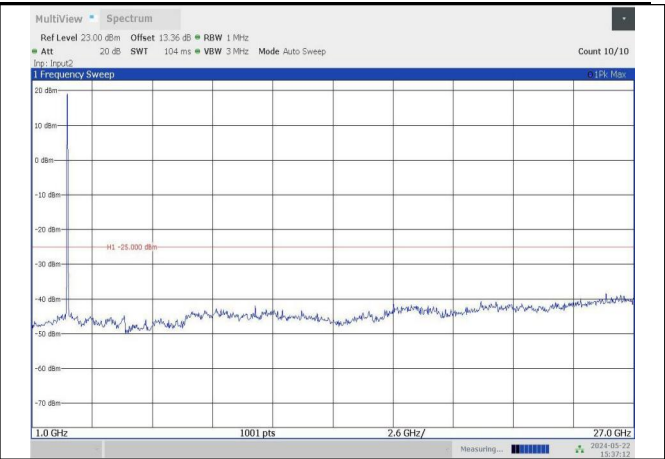


Fig.44

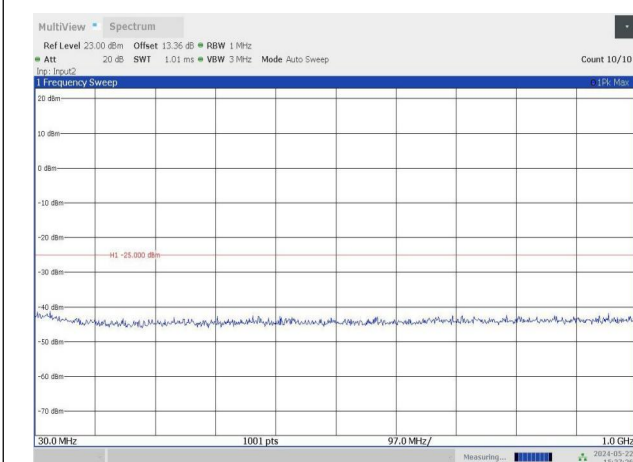


Fig.45

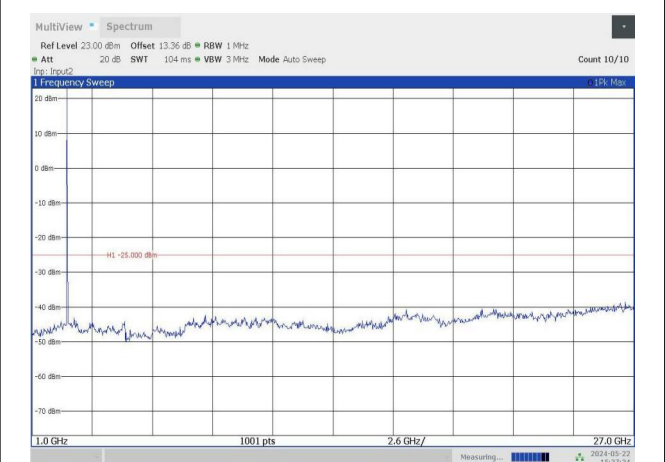


Fig.46

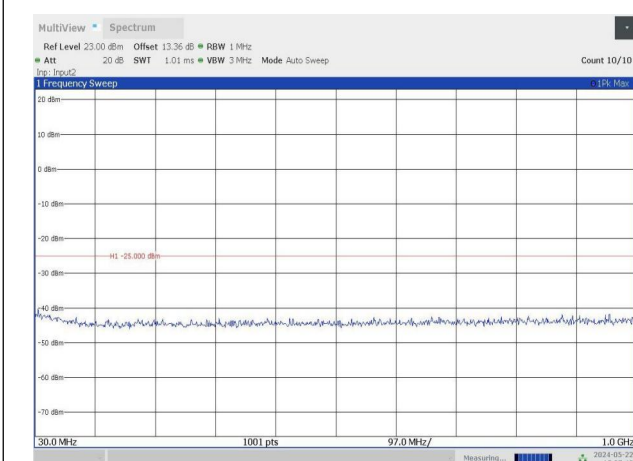


Fig.47

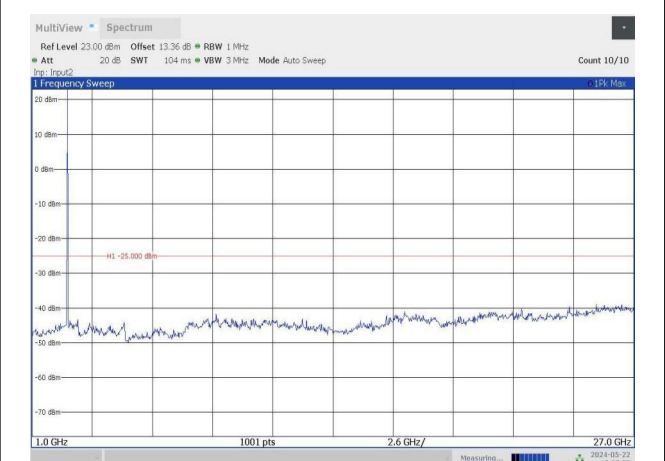


Fig.48

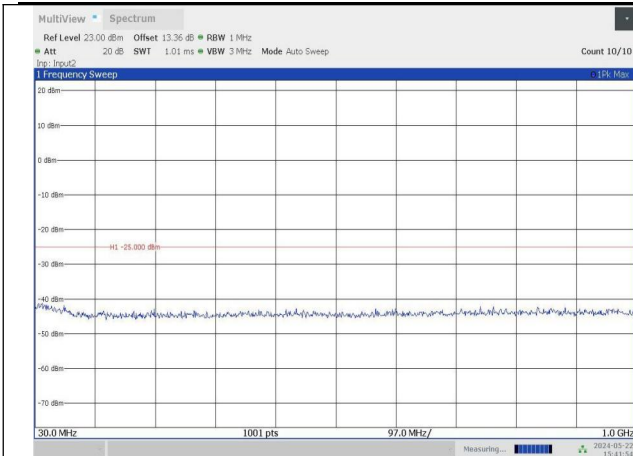


Fig.49

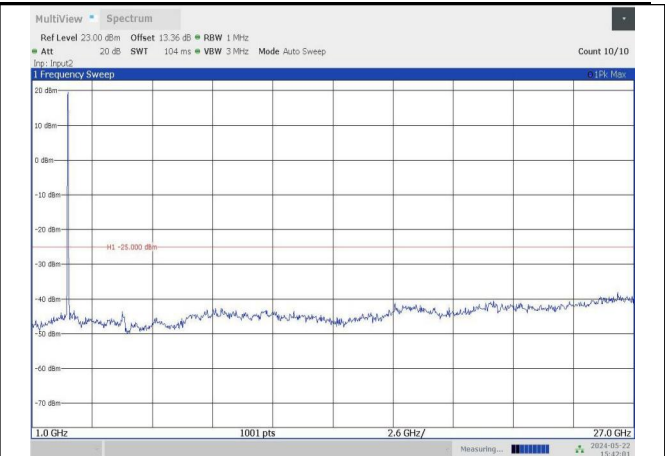


Fig.50

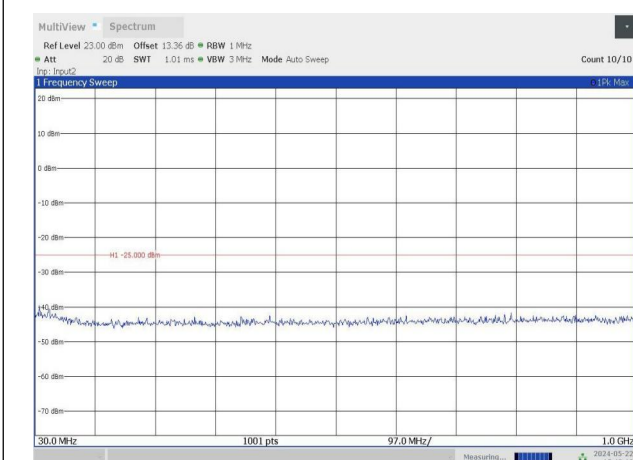


Fig.51

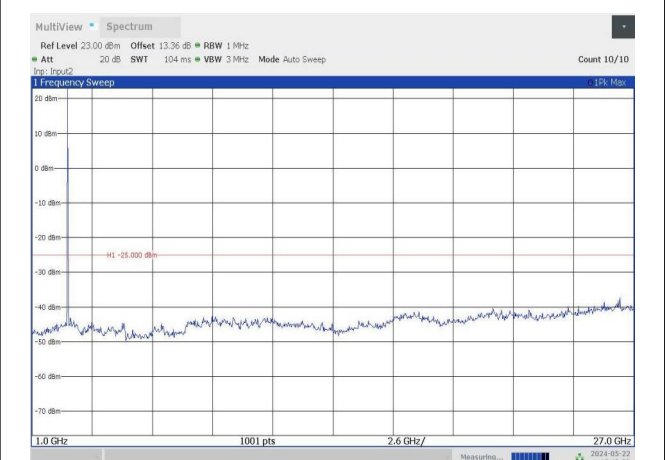


Fig.52

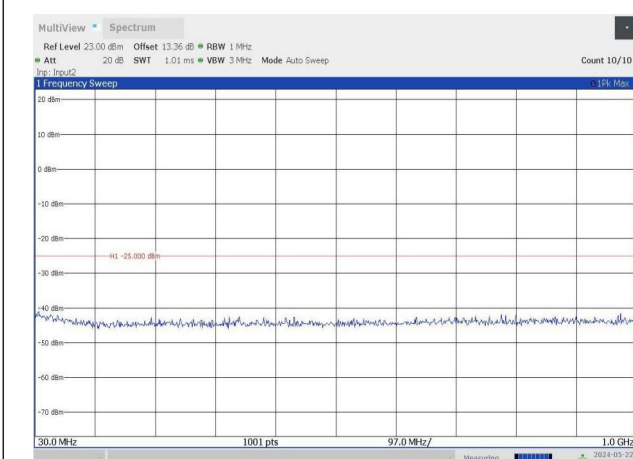


Fig.53

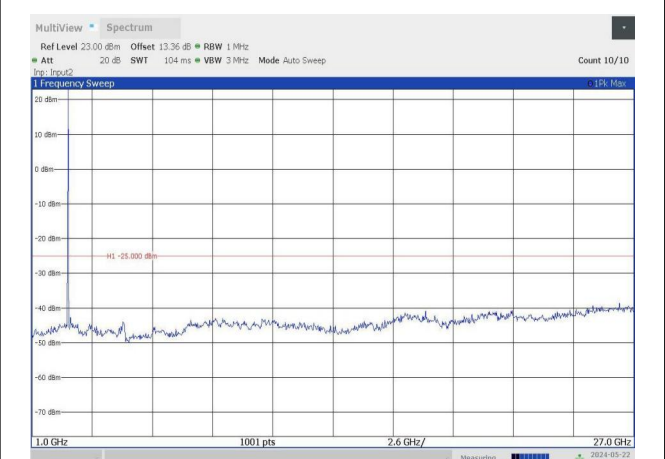


Fig.54

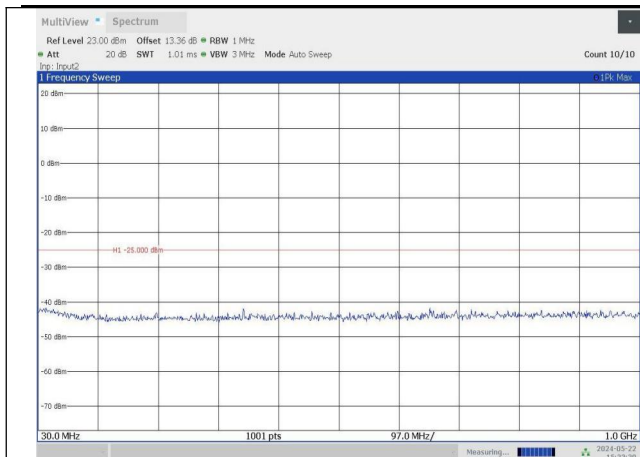


Fig.55

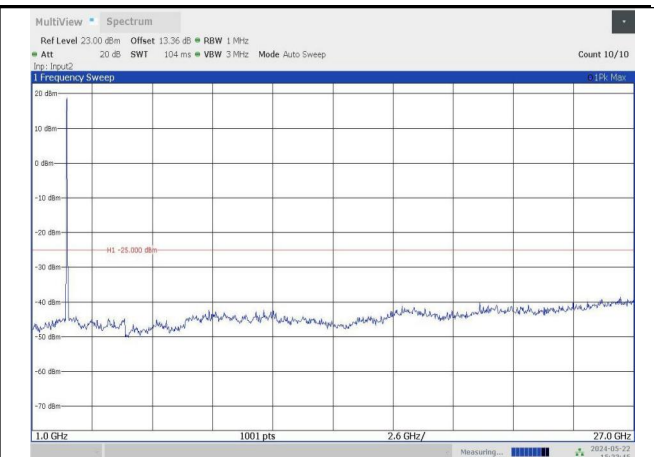


Fig.56

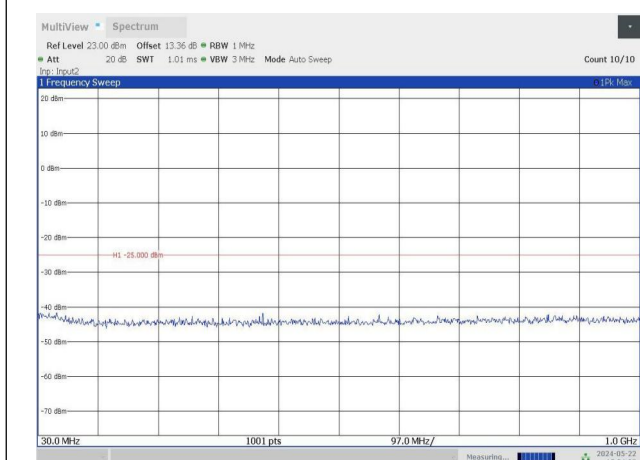


Fig.57

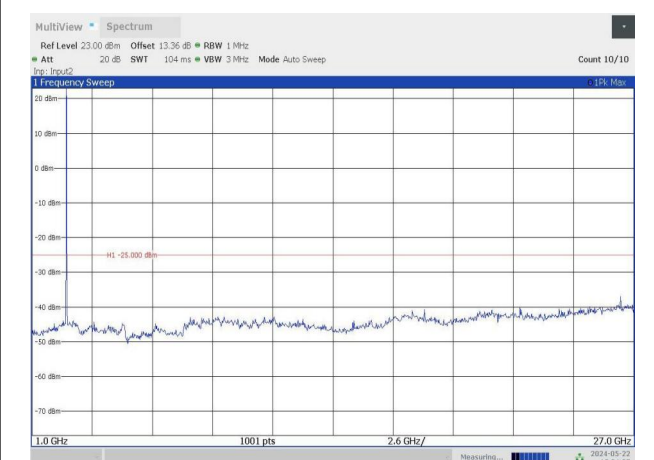


Fig.58

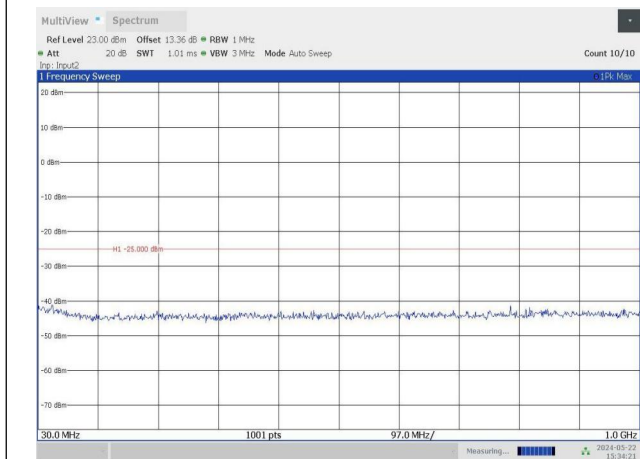


Fig.59

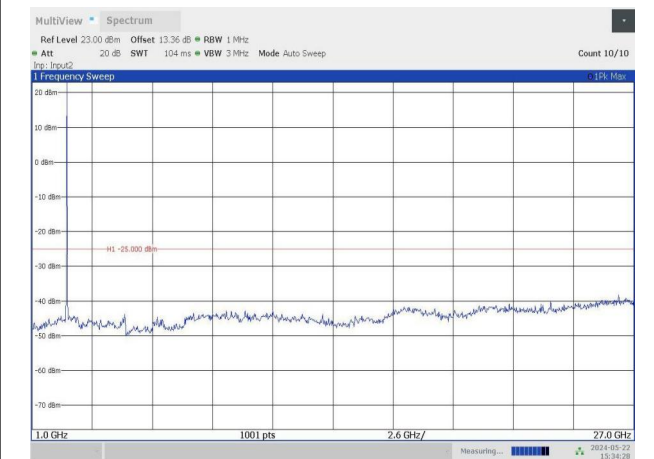


Fig.60