



# Appendix B.16

LTE Band 43(3600-3700)



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm/10MHz) | EIRP (dBm/10MHz) | Limit (dBm/10MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------|------------------|-------------------|---------|
| Band43 | 5MHz      | QPSK       | 43615   | 1RB#0            | 23.45              | 21.45            | 23.00             | PASS    |
| Band43 | 5MHz      | 16QAM      | 43615   | 1RB#0            | 22.74              | 20.74            | 23.00             | PASS    |
| Band43 | 5MHz      | QPSK       | 43615   | 1RB#12           | 23.45              | 21.45            | 23.00             | PASS    |
| Band43 | 5MHz      | 16QAM      | 43615   | 1RB#12           | 22.74              | 20.74            | 23.00             | PASS    |
| Band43 | 5MHz      | QPSK       | 43615   | 1RB#24           | 23.48              | 21.48            | 23.00             | PASS    |
| Band43 | 5MHz      | 16QAM      | 43615   | 1RB#24           | 22.74              | 20.74            | 23.00             | PASS    |
| Band43 | 5MHz      | QPSK       | 43615   | 25RB#0           | 22.63              | 20.63            | 23.00             | PASS    |
| Band43 | 5MHz      | 16QAM      | 43615   | 25RB#0           | 21.62              | 19.62            | 23.00             | PASS    |
| Band43 | 5MHz      | QPSK       | 44090   | 1RB#0            | 23.67              | 21.67            | 23.00             | PASS    |
| Band43 | 5MHz      | 16QAM      | 44090   | 1RB#0            | 22.89              | 20.89            | 23.00             | PASS    |
| Band43 | 5MHz      | QPSK       | 44090   | 1RB#12           | 23.52              | 21.52            | 23.00             | PASS    |
| Band43 | 5MHz      | 16QAM      | 44090   | 1RB#12           | 22.82              | 20.82            | 23.00             | PASS    |
| Band43 | 5MHz      | QPSK       | 44090   | 1RB#24           | 23.58              | 21.58            | 23.00             | PASS    |
| Band43 | 5MHz      | 16QAM      | 44090   | 1RB#24           | 22.91              | 20.91            | 23.00             | PASS    |
| Band43 | 5MHz      | QPSK       | 44090   | 25RB#0           | 22.66              | 20.66            | 23.00             | PASS    |
| Band43 | 5MHz      | 16QAM      | 44090   | 25RB#0           | 21.70              | 19.70            | 23.00             | PASS    |
| Band43 | 5MHz      | QPSK       | 44565   | 1RB#0            | 23.81              | 21.81            | 23.00             | PASS    |
| Band43 | 5MHz      | 16QAM      | 44565   | 1RB#0            | 22.98              | 20.98            | 23.00             | PASS    |
| Band43 | 5MHz      | QPSK       | 44565   | 1RB#12           | 23.71              | 21.71            | 23.00             | PASS    |
| Band43 | 5MHz      | 16QAM      | 44565   | 1RB#12           | 23.04              | 21.04            | 23.00             | PASS    |
| Band43 | 5MHz      | QPSK       | 44565   | 1RB#24           | 23.76              | 21.76            | 23.00             | PASS    |
| Band43 | 5MHz      | 16QAM      | 44565   | 1RB#24           | 22.97              | 20.97            | 23.00             | PASS    |
| Band43 | 5MHz      | QPSK       | 44565   | 25RB#0           | 22.86              | 20.86            | 23.00             | PASS    |
| Band43 | 5MHz      | 16QAM      | 44565   | 25RB#0           | 21.95              | 19.95            | 23.00             | PASS    |
| Band43 | 10MHz     | QPSK       | 43640   | 1RB#0            | 23.50              | 21.50            | 23.00             | PASS    |
| Band43 | 10MHz     | 16QAM      | 43640   | 1RB#0            | 22.71              | 20.71            | 23.00             | PASS    |
| Band43 | 10MHz     | QPSK       | 43640   | 1RB#24           | 23.45              | 21.45            | 23.00             | PASS    |
| Band43 | 10MHz     | 16QAM      | 43640   | 1RB#24           | 22.73              | 20.73            | 23.00             | PASS    |
| Band43 | 10MHz     | QPSK       | 43640   | 1RB#49           | 23.48              | 21.48            | 23.00             | PASS    |



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|        |       |       |       |        |       |       |       |      |
|--------|-------|-------|-------|--------|-------|-------|-------|------|
| Band43 | 10MHz | 16QAM | 43640 | 1RB#49 | 22.70 | 20.70 | 23.00 | PASS |
| Band43 | 10MHz | QPSK  | 43640 | 50RB#0 | 22.57 | 20.57 | 23.00 | PASS |
| Band43 | 10MHz | 16QAM | 43640 | 50RB#0 | 21.57 | 19.57 | 23.00 | PASS |
| Band43 | 10MHz | QPSK  | 44090 | 1RB#0  | 23.51 | 21.51 | 23.00 | PASS |
| Band43 | 10MHz | 16QAM | 44090 | 1RB#0  | 22.84 | 20.84 | 23.00 | PASS |
| Band43 | 10MHz | QPSK  | 44090 | 1RB#24 | 23.58 | 21.58 | 23.00 | PASS |
| Band43 | 10MHz | 16QAM | 44090 | 1RB#24 | 22.82 | 20.82 | 23.00 | PASS |
| Band43 | 10MHz | QPSK  | 44090 | 1RB#49 | 23.63 | 21.63 | 23.00 | PASS |
| Band43 | 10MHz | 16QAM | 44090 | 1RB#49 | 22.89 | 20.89 | 23.00 | PASS |
| Band43 | 10MHz | QPSK  | 44090 | 50RB#0 | 22.72 | 20.72 | 23.00 | PASS |
| Band43 | 10MHz | 16QAM | 44090 | 50RB#0 | 21.75 | 19.75 | 23.00 | PASS |
| Band43 | 10MHz | QPSK  | 44540 | 1RB#0  | 23.85 | 21.85 | 23.00 | PASS |
| Band43 | 10MHz | 16QAM | 44540 | 1RB#0  | 22.98 | 20.98 | 23.00 | PASS |
| Band43 | 10MHz | QPSK  | 44540 | 1RB#24 | 23.78 | 21.78 | 23.00 | PASS |
| Band43 | 10MHz | 16QAM | 44540 | 1RB#24 | 22.96 | 20.96 | 23.00 | PASS |
| Band43 | 10MHz | QPSK  | 44540 | 1RB#49 | 23.72 | 21.72 | 23.00 | PASS |
| Band43 | 10MHz | 16QAM | 44540 | 1RB#49 | 22.98 | 20.98 | 23.00 | PASS |
| Band43 | 10MHz | QPSK  | 44540 | 50RB#0 | 22.95 | 20.95 | 23.00 | PASS |
| Band43 | 10MHz | 16QAM | 44540 | 50RB#0 | 21.92 | 19.92 | 23.00 | PASS |
| Band43 | 15MHz | QPSK  | 43665 | 1RB#0  | 23.44 | 21.44 | 23.00 | PASS |
| Band43 | 15MHz | 16QAM | 43665 | 1RB#0  | 22.66 | 20.66 | 23.00 | PASS |
| Band43 | 15MHz | QPSK  | 43665 | 1RB#38 | 23.41 | 21.41 | 23.00 | PASS |
| Band43 | 15MHz | 16QAM | 43665 | 1RB#38 | 22.74 | 20.74 | 23.00 | PASS |
| Band43 | 15MHz | QPSK  | 43665 | 1RB#74 | 23.45 | 21.45 | 23.00 | PASS |
| Band43 | 15MHz | 16QAM | 43665 | 1RB#74 | 22.83 | 20.83 | 23.00 | PASS |
| Band43 | 15MHz | QPSK  | 43665 | 75RB#0 | 22.55 | 20.55 | 23.00 | PASS |
| Band43 | 15MHz | 16QAM | 43665 | 75RB#0 | 21.58 | 19.58 | 23.00 | PASS |
| Band43 | 15MHz | QPSK  | 44090 | 1RB#0  | 23.47 | 21.47 | 23.00 | PASS |
| Band43 | 15MHz | 16QAM | 44090 | 1RB#0  | 22.78 | 20.78 | 23.00 | PASS |
| Band43 | 15MHz | QPSK  | 44090 | 1RB#38 | 23.63 | 21.63 | 23.00 | PASS |
| Band43 | 15MHz | 16QAM | 44090 | 1RB#38 | 22.82 | 20.82 | 23.00 | PASS |
| Band43 | 15MHz | QPSK  | 44090 | 1RB#74 | 23.64 | 21.64 | 23.00 | PASS |
| Band43 | 15MHz | 16QAM | 44090 | 1RB#74 | 22.94 | 20.94 | 23.00 | PASS |
| Band43 | 15MHz | QPSK  | 44090 | 75RB#0 | 22.67 | 20.67 | 23.00 | PASS |
| Band43 | 15MHz | 16QAM | 44090 | 75RB#0 | 21.66 | 19.66 | 23.00 | PASS |
| Band43 | 15MHz | QPSK  | 44515 | 1RB#0  | 23.81 | 21.81 | 23.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band43 | 15MHz | 16QAM | 44515 | 1RB#0   | 23.07 | 21.07 | 23.00 | PASS |
| Band43 | 15MHz | QPSK  | 44515 | 1RB#38  | 23.73 | 21.73 | 23.00 | PASS |
| Band43 | 15MHz | 16QAM | 44515 | 1RB#38  | 23.05 | 21.05 | 23.00 | PASS |
| Band43 | 15MHz | QPSK  | 44515 | 1RB#74  | 23.87 | 21.87 | 23.00 | PASS |
| Band43 | 15MHz | 16QAM | 44515 | 1RB#74  | 23.08 | 21.08 | 23.00 | PASS |
| Band43 | 15MHz | QPSK  | 44515 | 75RB#0  | 22.99 | 20.99 | 23.00 | PASS |
| Band43 | 15MHz | 16QAM | 44515 | 75RB#0  | 21.95 | 19.95 | 23.00 | PASS |
| Band43 | 20MHz | QPSK  | 43690 | 1RB#0   | 23.38 | 21.38 | 23.00 | PASS |
| Band43 | 20MHz | 16QAM | 43690 | 1RB#0   | 22.67 | 20.67 | 23.00 | PASS |
| Band43 | 20MHz | QPSK  | 43690 | 1RB#49  | 23.43 | 21.43 | 23.00 | PASS |
| Band43 | 20MHz | 16QAM | 43690 | 1RB#49  | 22.74 | 20.74 | 23.00 | PASS |
| Band43 | 20MHz | QPSK  | 43690 | 1RB#99  | 23.47 | 21.47 | 23.00 | PASS |
| Band43 | 20MHz | 16QAM | 43690 | 1RB#99  | 22.84 | 20.84 | 23.00 | PASS |
| Band43 | 20MHz | QPSK  | 43690 | 100RB#0 | 22.55 | 20.55 | 23.00 | PASS |
| Band43 | 20MHz | 16QAM | 43690 | 100RB#0 | 21.60 | 19.60 | 23.00 | PASS |
| Band43 | 20MHz | QPSK  | 44090 | 1RB#0   | 23.45 | 21.45 | 23.00 | PASS |
| Band43 | 20MHz | 16QAM | 44090 | 1RB#0   | 22.66 | 20.66 | 23.00 | PASS |
| Band43 | 20MHz | QPSK  | 44090 | 1RB#49  | 23.56 | 21.56 | 23.00 | PASS |
| Band43 | 20MHz | 16QAM | 44090 | 1RB#49  | 22.86 | 20.86 | 23.00 | PASS |
| Band43 | 20MHz | QPSK  | 44090 | 1RB#99  | 23.66 | 21.66 | 23.00 | PASS |
| Band43 | 20MHz | 16QAM | 44090 | 1RB#99  | 23.02 | 21.02 | 23.00 | PASS |
| Band43 | 20MHz | QPSK  | 44090 | 100RB#0 | 22.63 | 20.63 | 23.00 | PASS |
| Band43 | 20MHz | 16QAM | 44090 | 100RB#0 | 21.78 | 19.78 | 23.00 | PASS |
| Band43 | 20MHz | QPSK  | 44490 | 1RB#0   | 23.39 | 21.39 | 23.00 | PASS |
| Band43 | 20MHz | 16QAM | 44490 | 1RB#0   | 22.33 | 20.33 | 23.00 | PASS |
| Band43 | 20MHz | QPSK  | 44490 | 1RB#49  | 23.16 | 21.16 | 23.00 | PASS |
| Band43 | 20MHz | 16QAM | 44490 | 1RB#49  | 23.08 | 21.08 | 23.00 | PASS |
| Band43 | 20MHz | QPSK  | 44490 | 1RB#99  | 23.76 | 21.76 | 23.00 | PASS |
| Band43 | 20MHz | 16QAM | 44490 | 1RB#99  | 23.06 | 21.06 | 23.00 | PASS |
| Band43 | 20MHz | QPSK  | 44490 | 100RB#0 | 22.81 | 20.81 | 23.00 | PASS |
| Band43 | 20MHz | 16QAM | 44490 | 100RB#0 | 21.90 | 19.90 | 23.00 | PASS |



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## Peak-to-Average Ratio(CCDF)

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band43 | 20MHz     | QPSK       | 43690   | 100RB#0          | 7.66       | 13        | PASS    |
| Band43 | 20MHz     | 16QAM      | 43690   | 100RB#0          | 8.20       | 13        | PASS    |
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0          | 7.58       | 13        | PASS    |
| Band43 | 20MHz     | 16QAM      | 44090   | 100RB#0          | 8.36       | 13        | PASS    |
| Band43 | 20MHz     | QPSK       | 44490   | 100RB#0          | 7.60       | 13        | PASS    |
| Band43 | 20MHz     | 16QAM      | 44490   | 100RB#0          | 8.52       | 13        | PASS    |

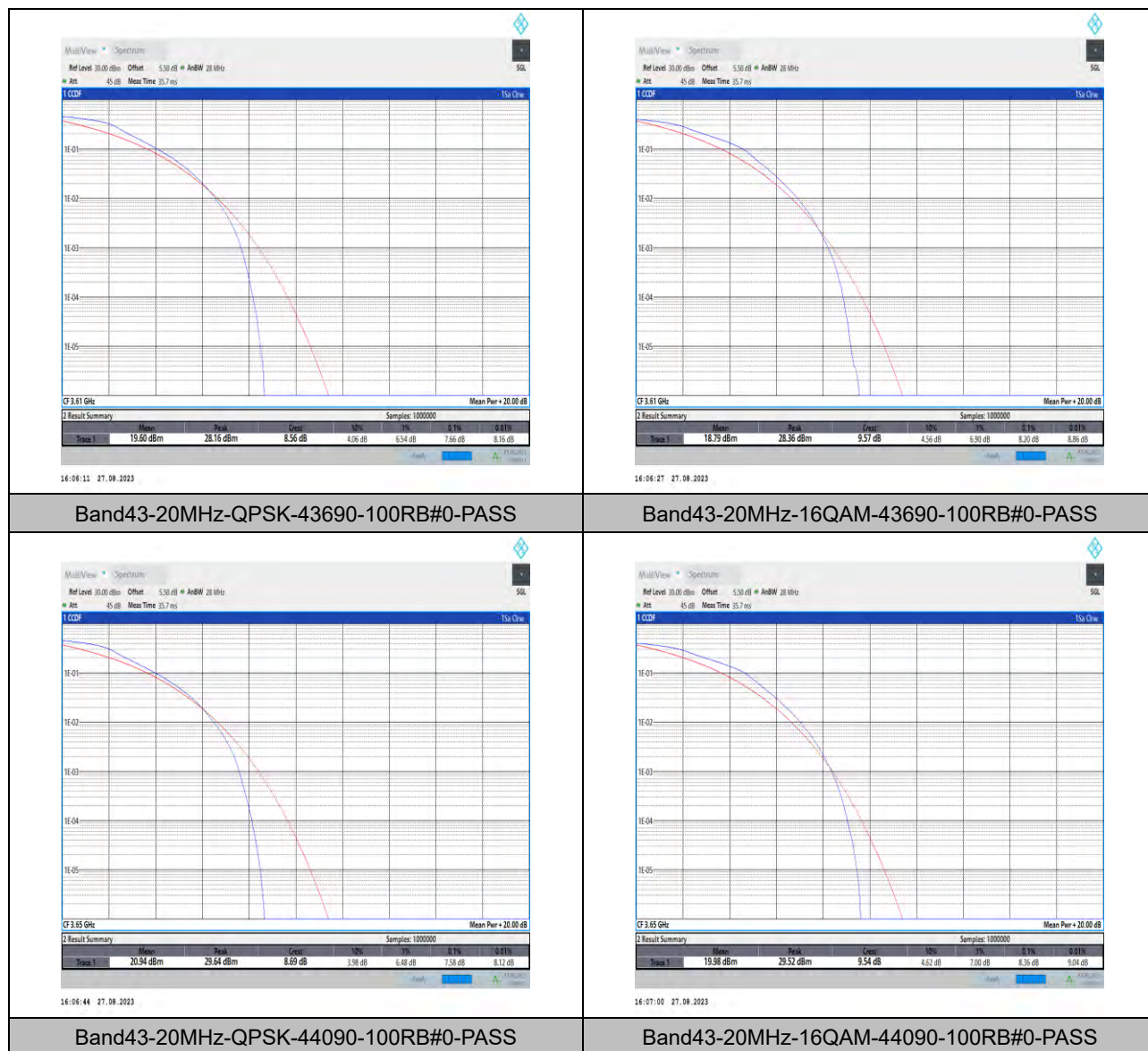


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### Test Graphs

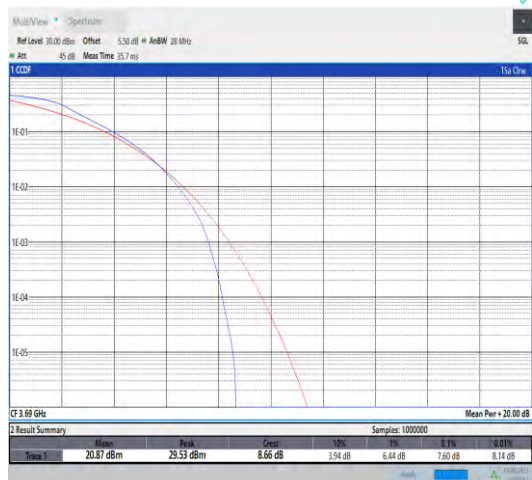


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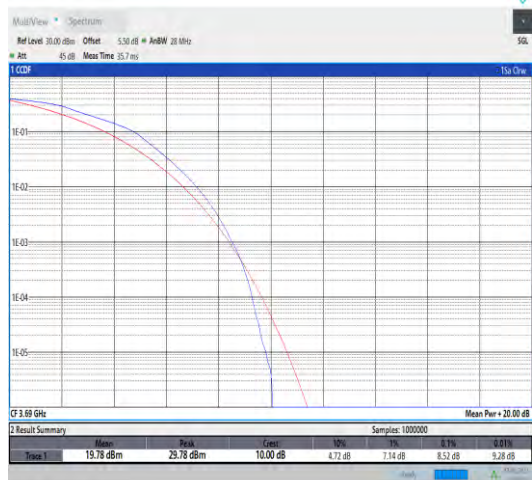
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16:07:17 27.08.2023

Band43-20MHz-QPSK-44490-100RB#0-PASS



16:07:34 27.08.2023

Band43-20MHz-16QAM-44490-100RB#0-PASS



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band43 | 5MHz      | QPSK       | 44090   | 25RB#0           | 4.487                    | 4.85                 | PASS    |
| Band43 | 5MHz      | 16QAM      | 44090   | 25RB#0           | 4.499                    | 4.95                 | PASS    |
| Band43 | 10MHz     | QPSK       | 44090   | 50RB#0           | 8.969                    | 9.57                 | PASS    |
| Band43 | 10MHz     | 16QAM      | 44090   | 50RB#0           | 9.012                    | 9.50                 | PASS    |
| Band43 | 15MHz     | QPSK       | 44090   | 75RB#0           | 13.528                   | 14.35                | PASS    |
| Band43 | 15MHz     | 16QAM      | 44090   | 75RB#0           | 13.503                   | 14.30                | PASS    |
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0          | 18.039                   | 19.20                | PASS    |
| Band43 | 20MHz     | 16QAM      | 44090   | 100RB#0          | 18.022                   | 19.13                | PASS    |



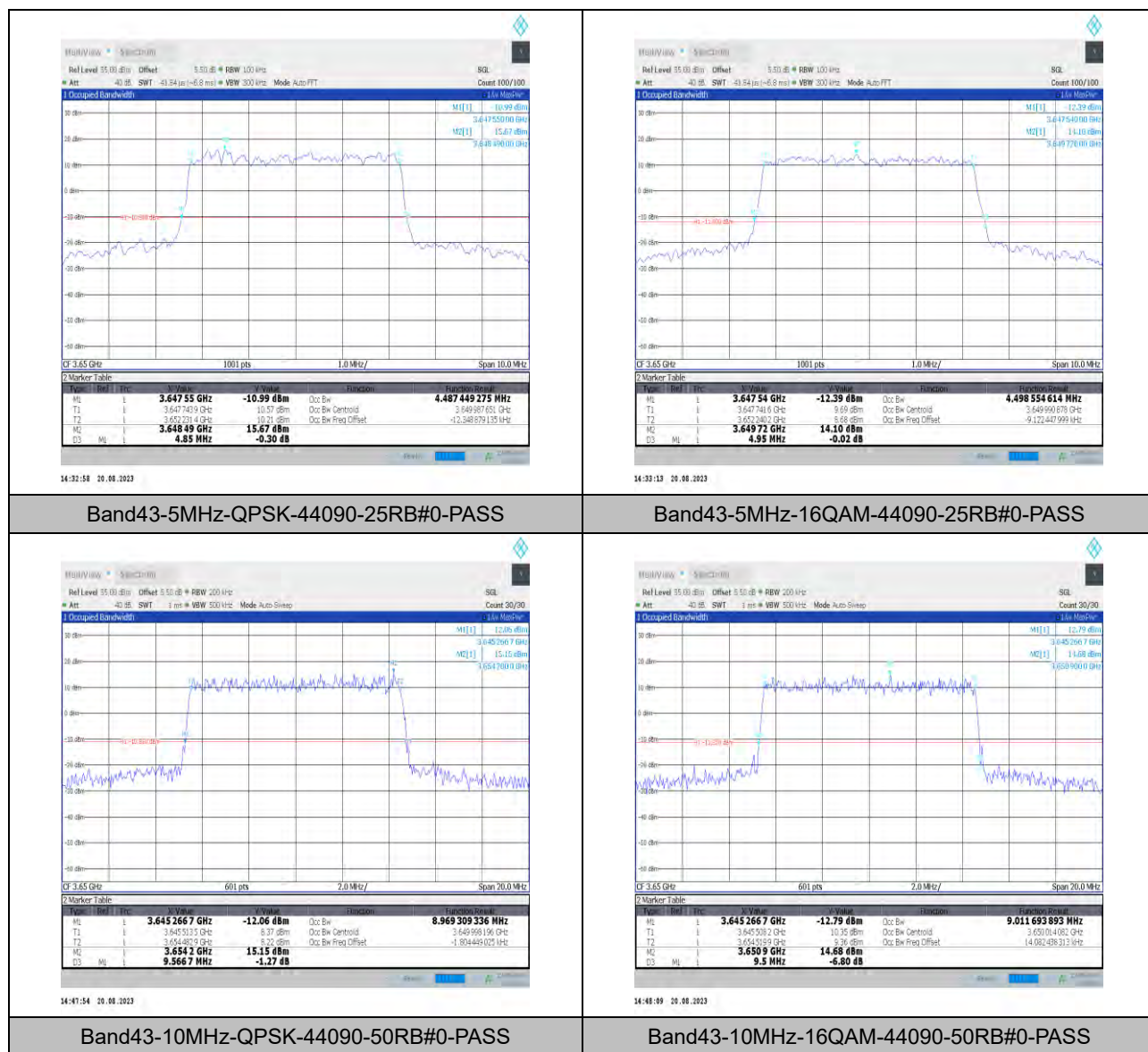
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### Test Graphs

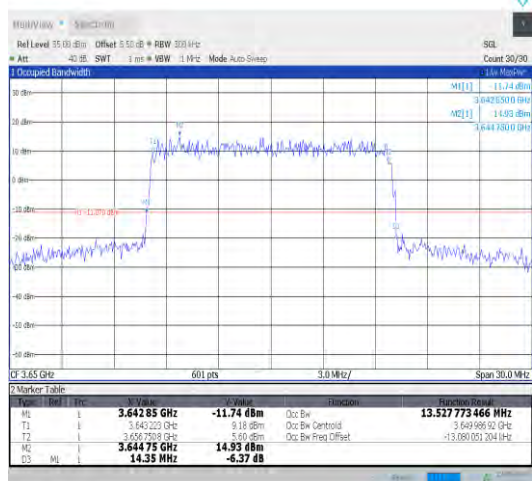


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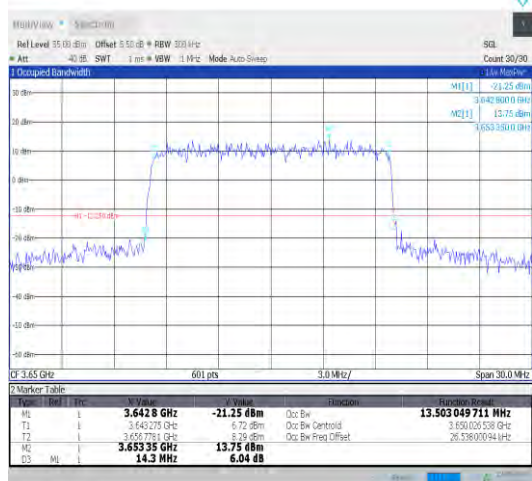
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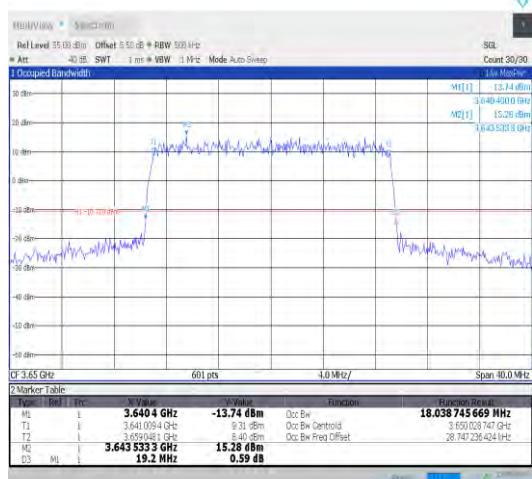
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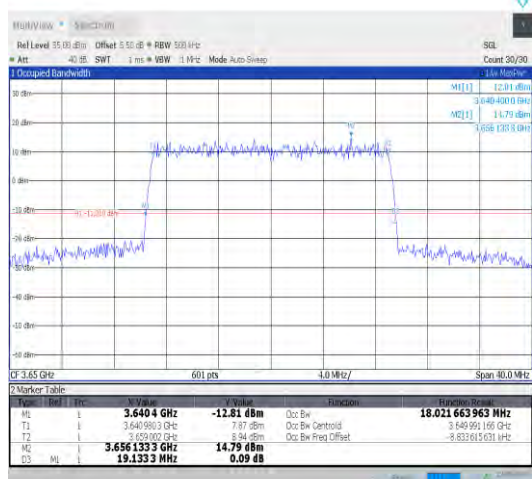
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15:17:12 20.08.2023

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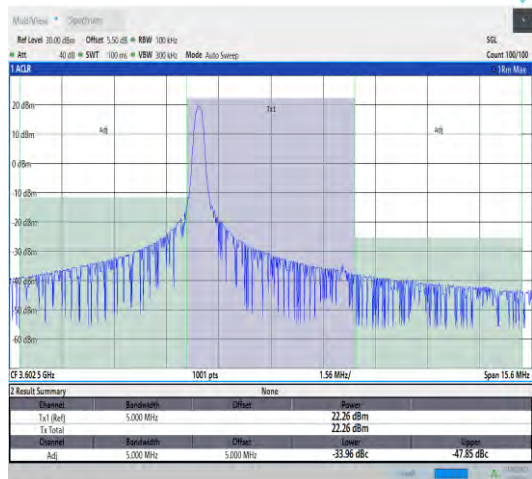
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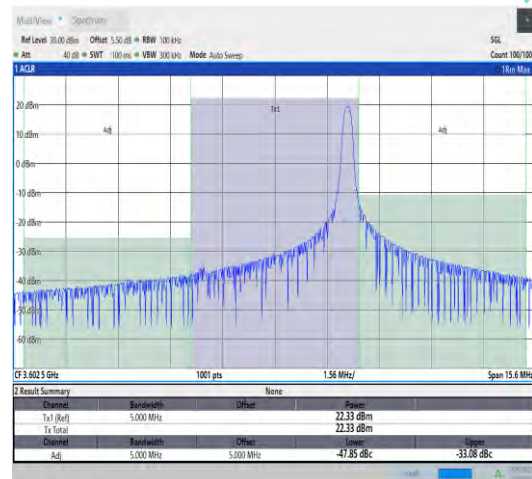


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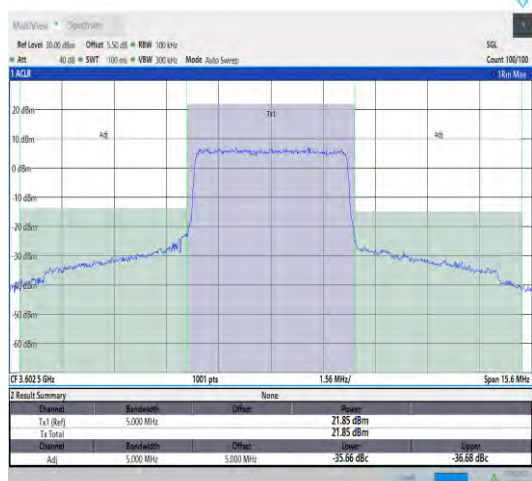
#### Test Graphs



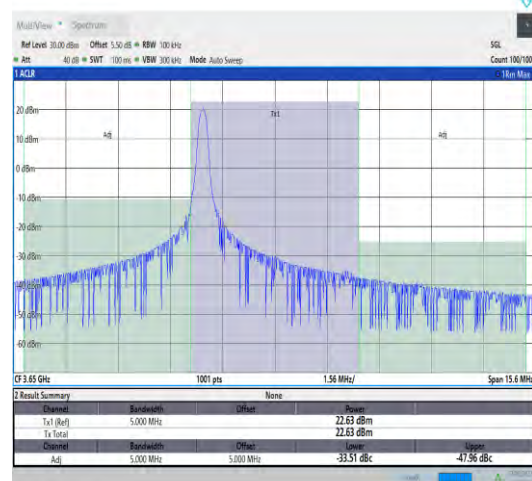
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43(3600-3700)-5MHz-QPSK-43615-1RB#24-PASS



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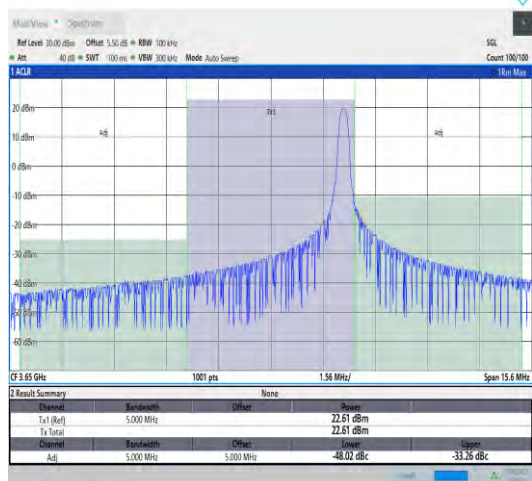


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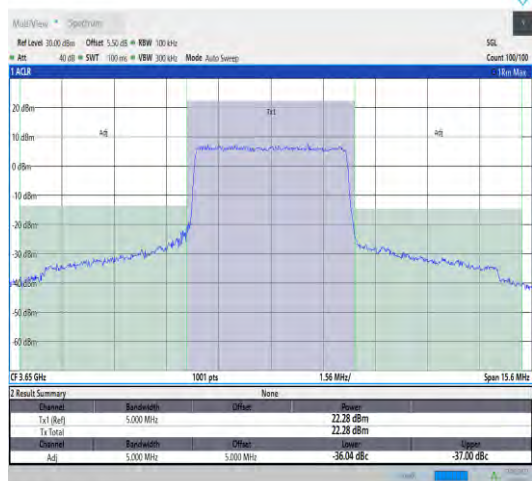
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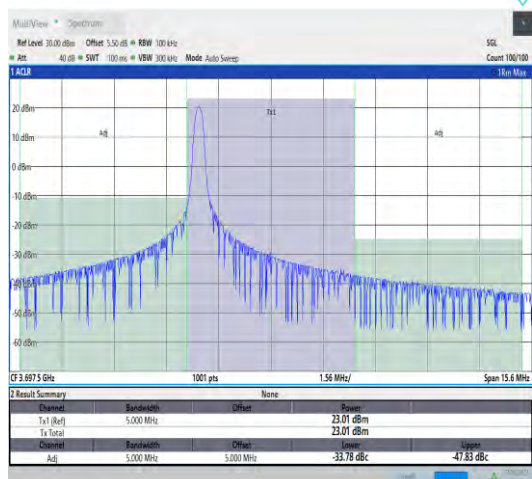
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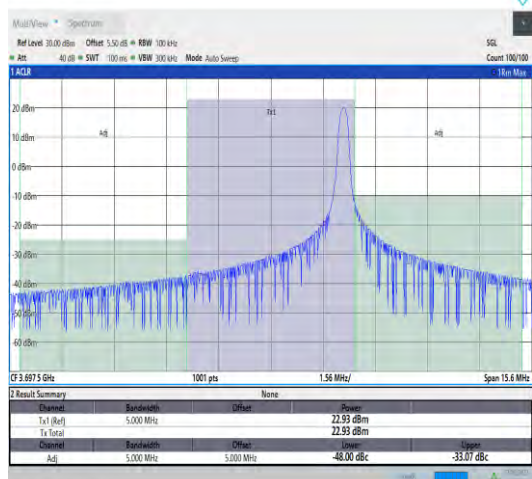
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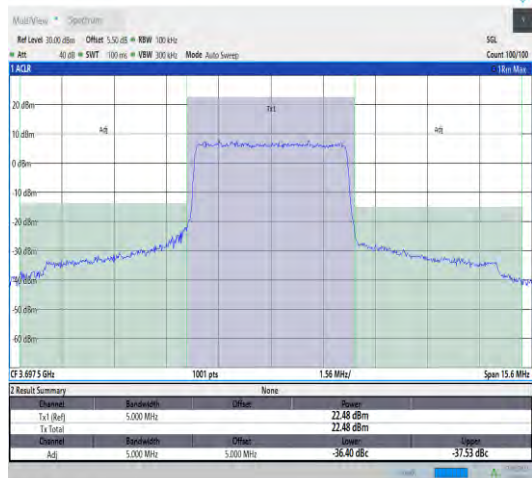


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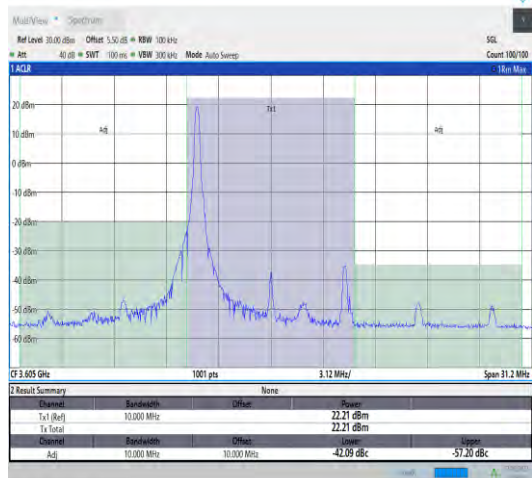
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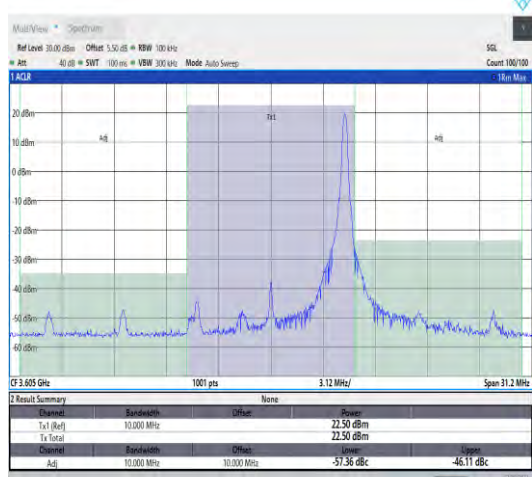
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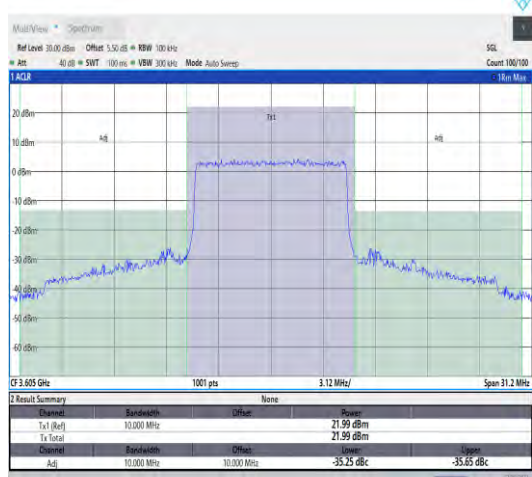
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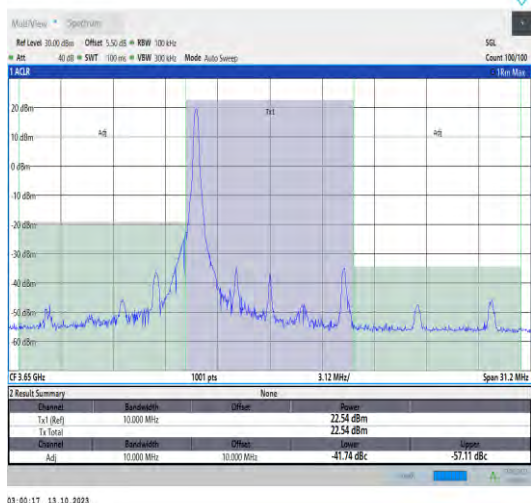


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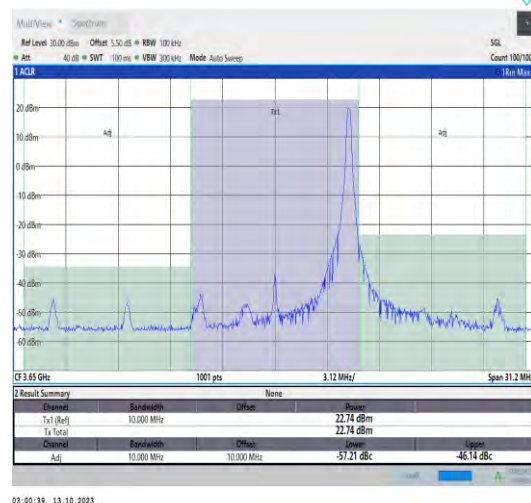
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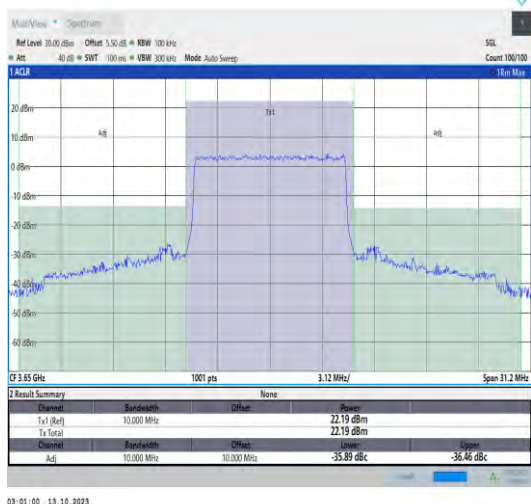
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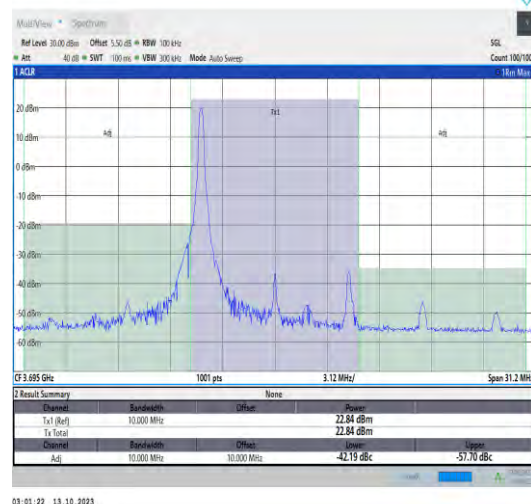
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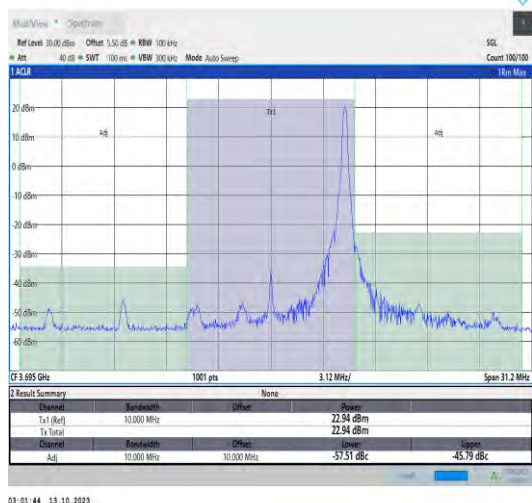


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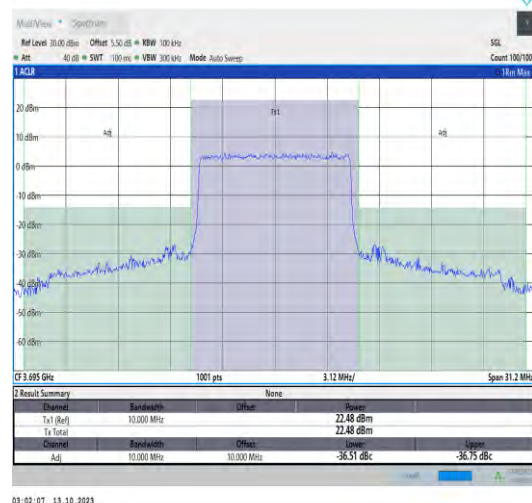
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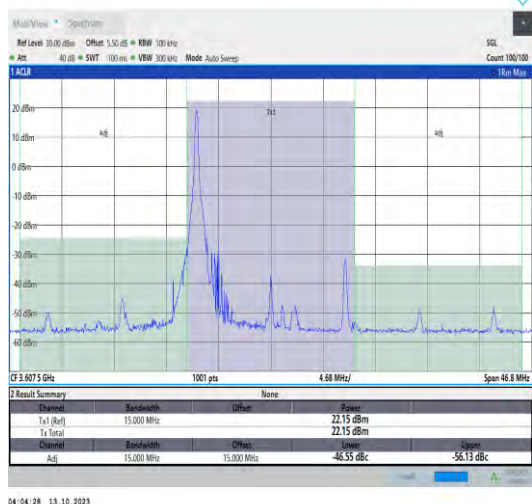




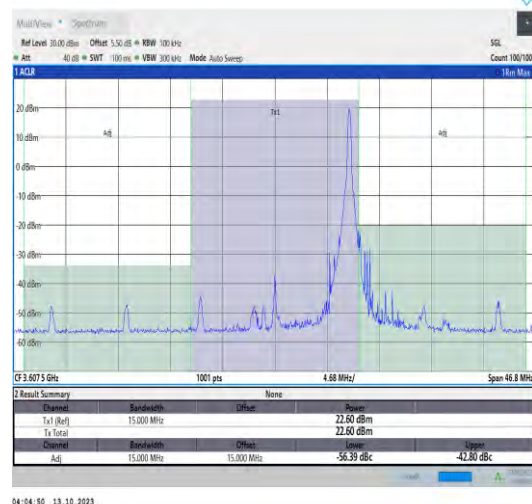
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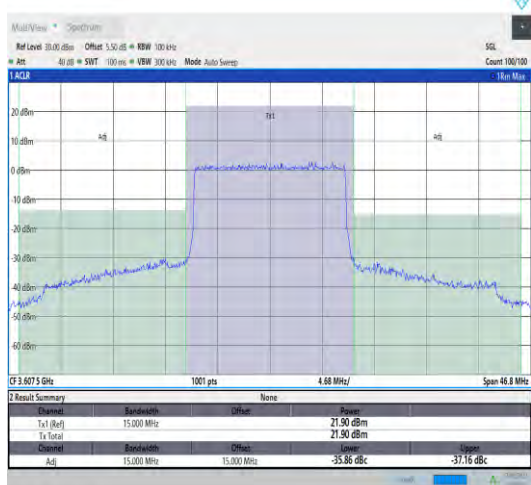


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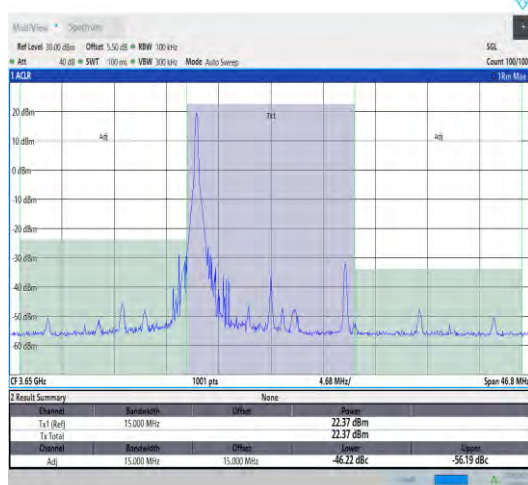
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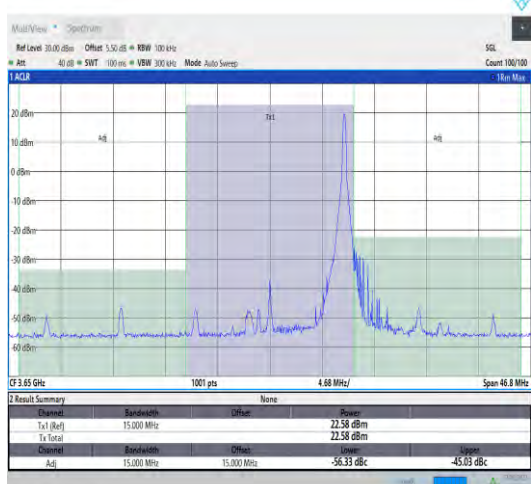
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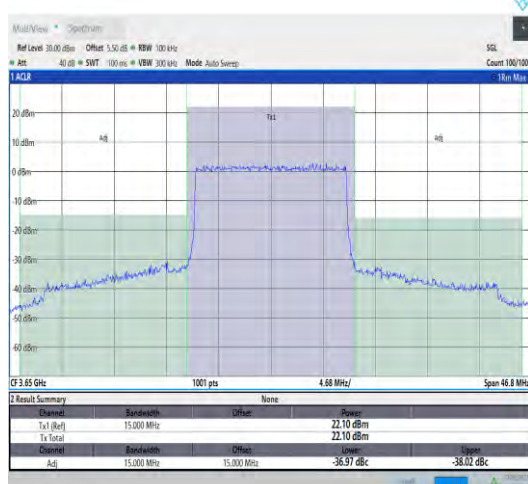
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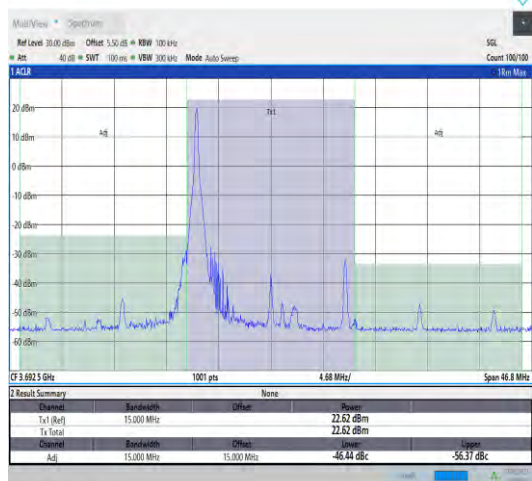


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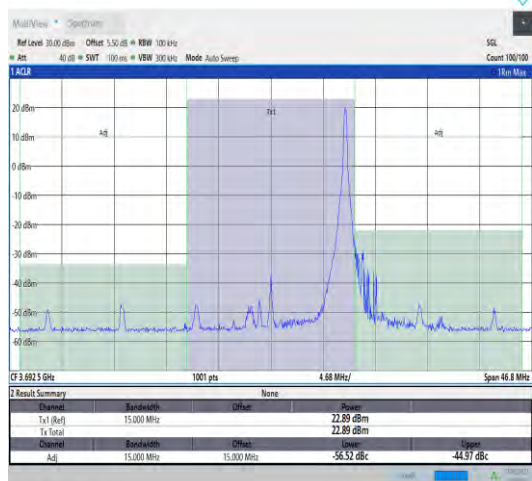
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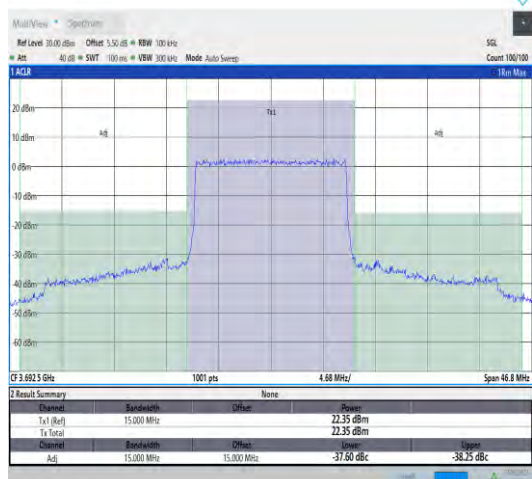
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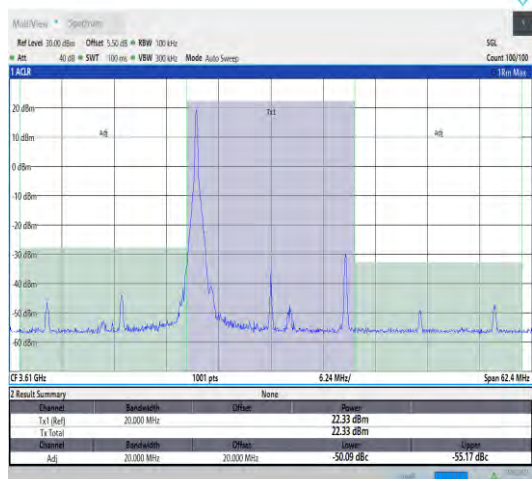
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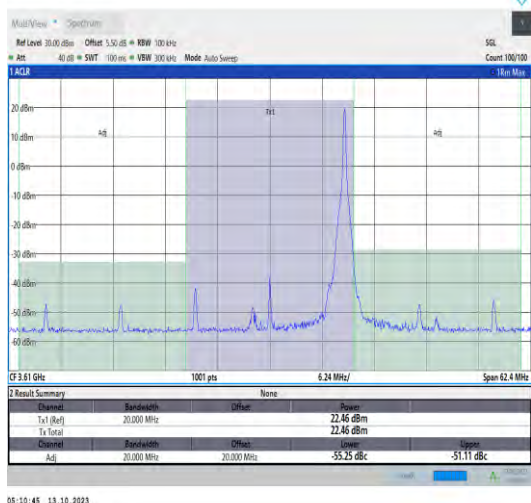
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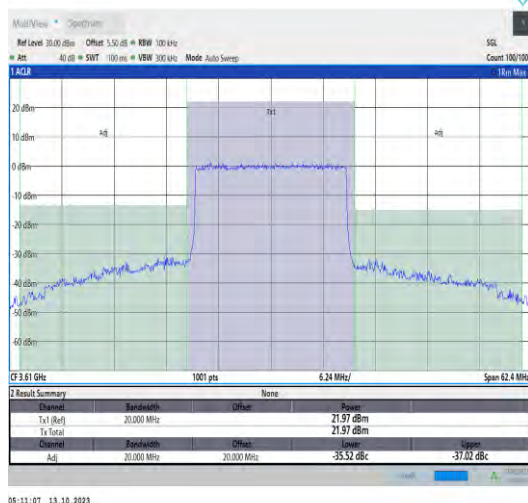
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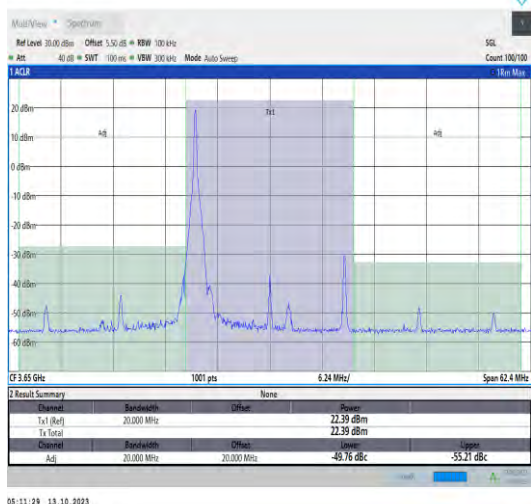




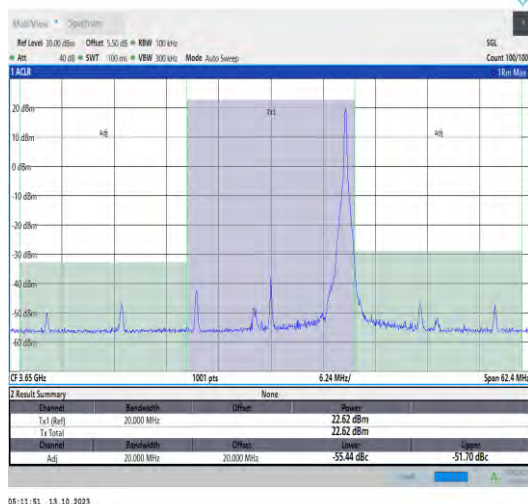
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43(3600-3700)-20MHz-QPSK-43690-100RB#0-PASS



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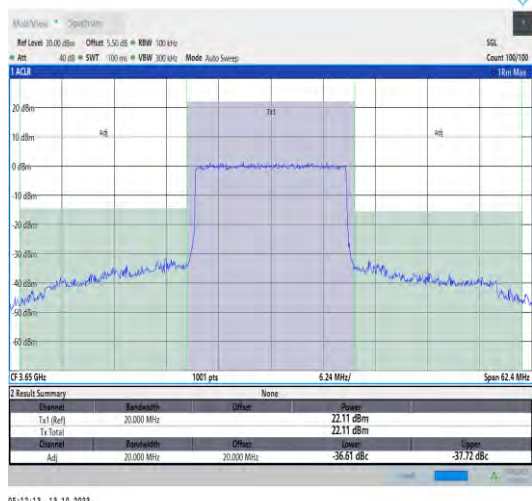
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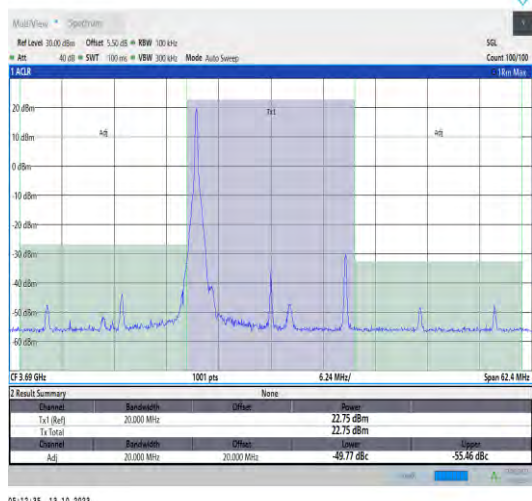
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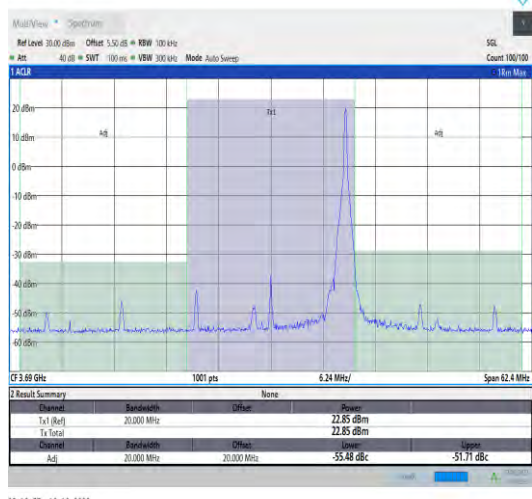
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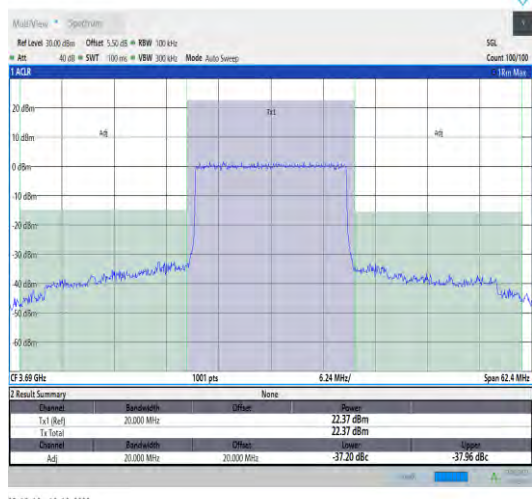
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05:12:57 13.10.2023

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05:13:19 13.10.2023

43(3600-3700)-20MHz-QPSK-44490-100RB#0-PASS



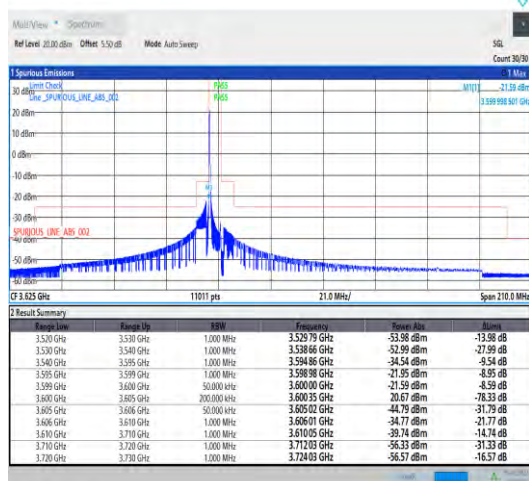
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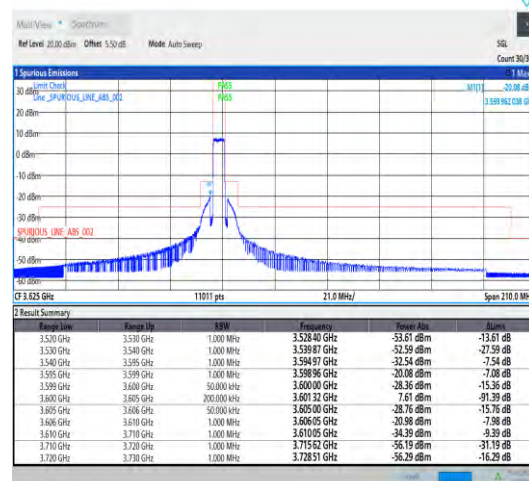
## Band Edge

## Test Graphs



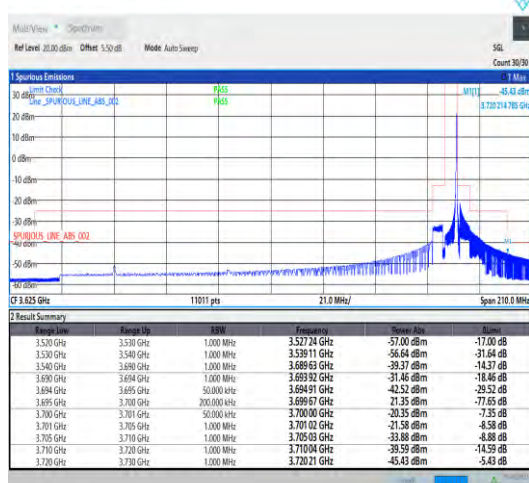
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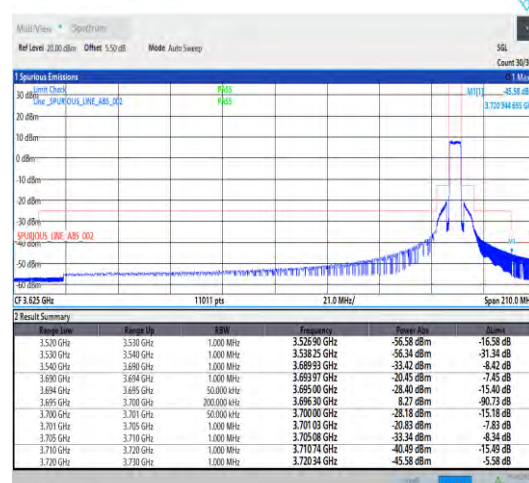
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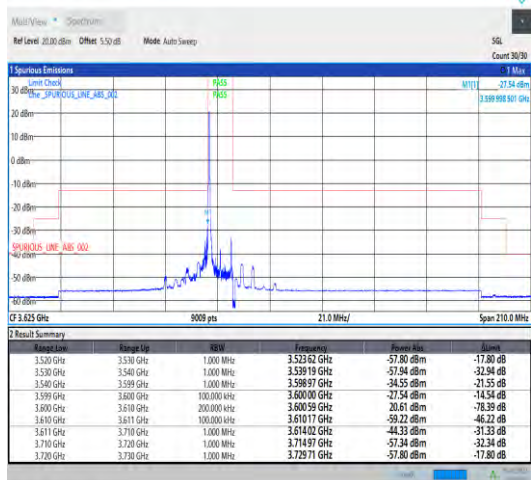
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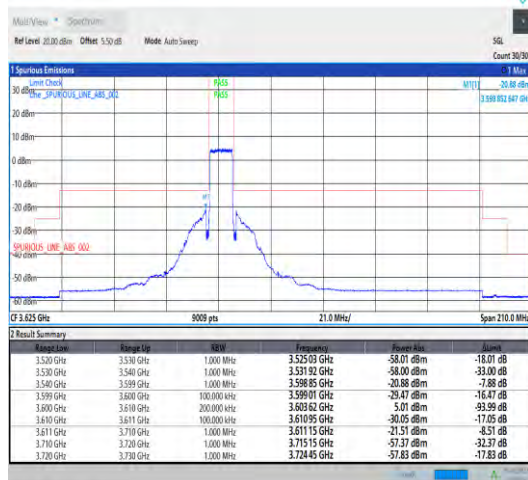
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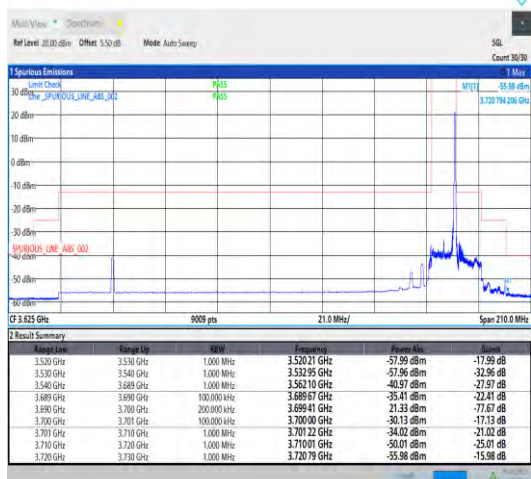




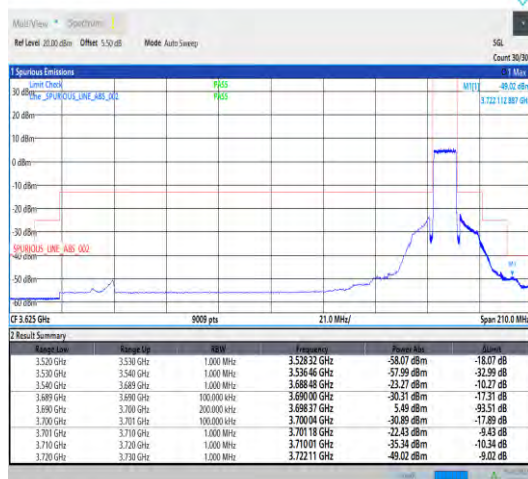
Band43\_10MHz\_QPSK\_43640\_1RB#0



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Band43\_10MHz\_QPSK\_44540\_50RB#0

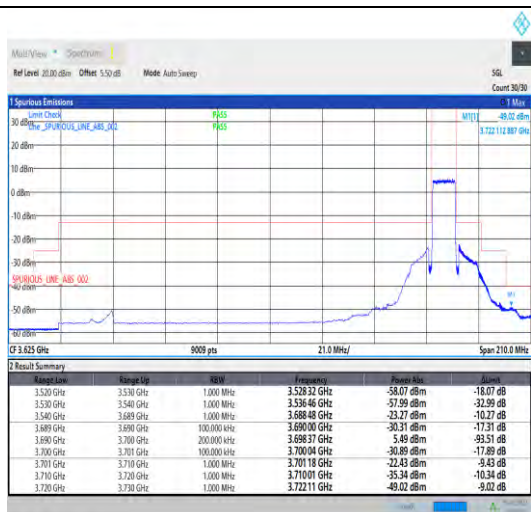


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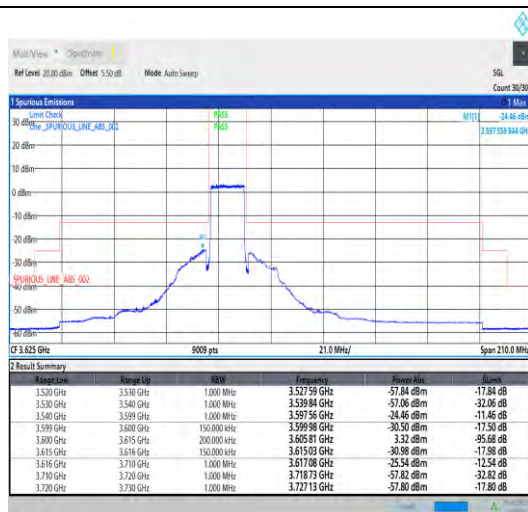
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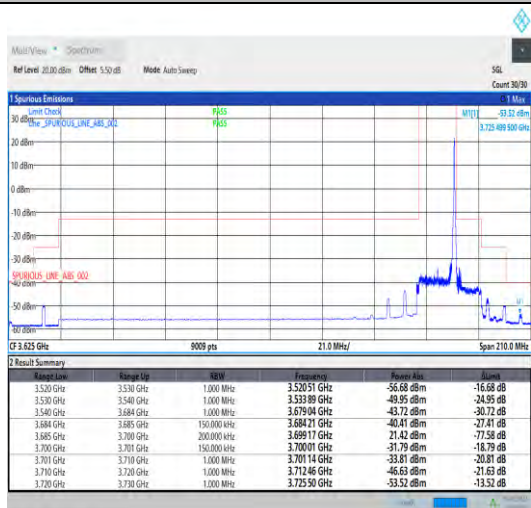
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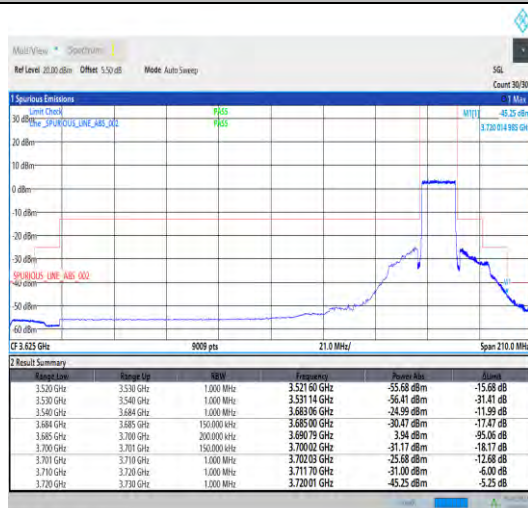
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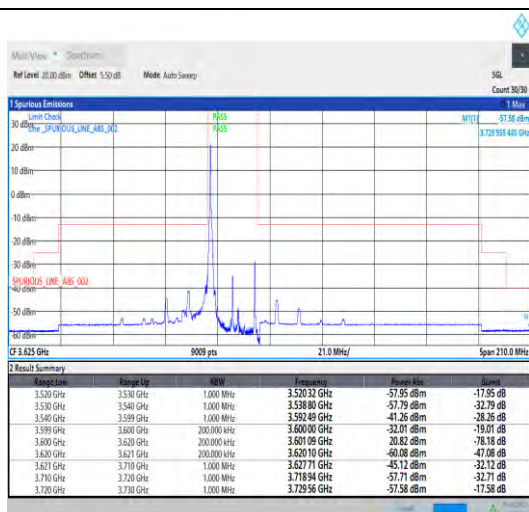
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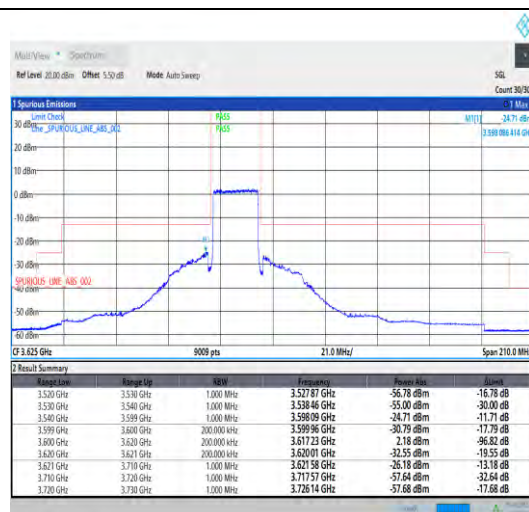
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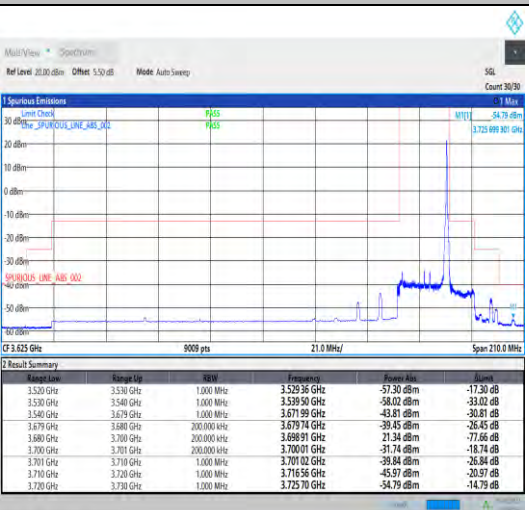
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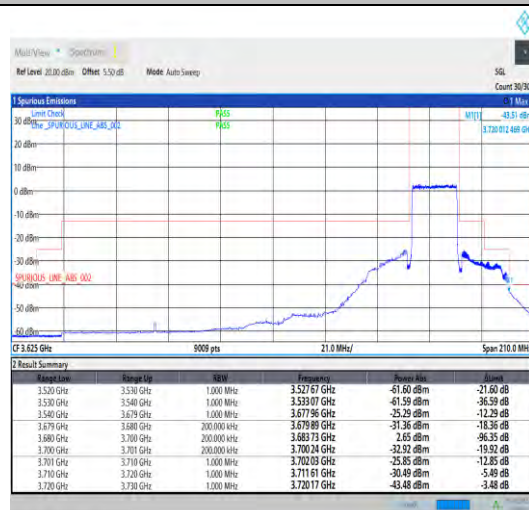
Band43\_20MHz\_QPSK\_43690\_1RB#0



Band43\_20MHz\_QPSK\_43690\_100RB#0



Band43\_20MHz\_QPSK\_44490\_1RB#99



Band43\_20MHz\_QPSK\_44490\_100RB#0



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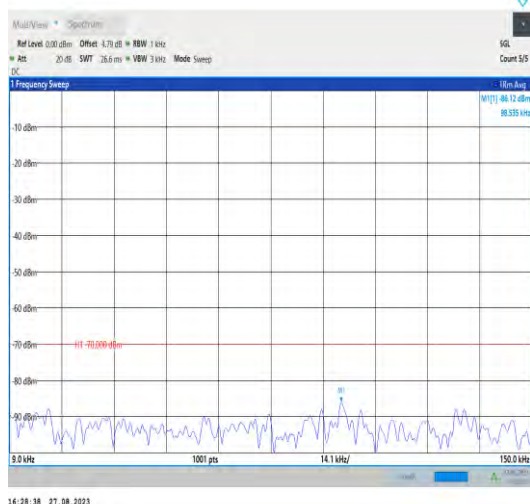
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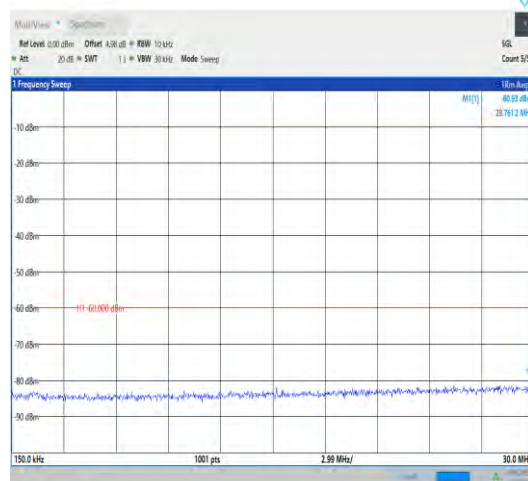
## Conducted Spurious Emission

### Test Graphs



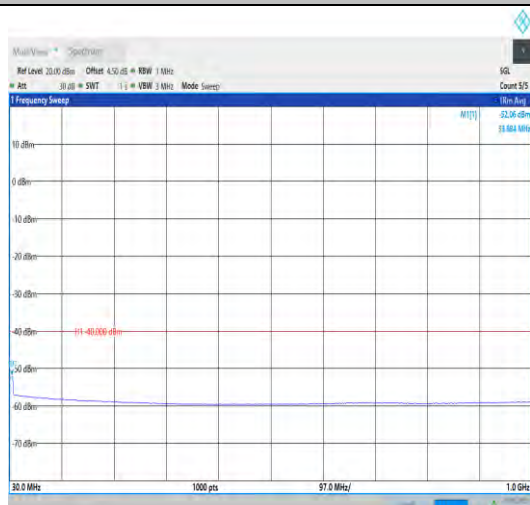
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09~0.15



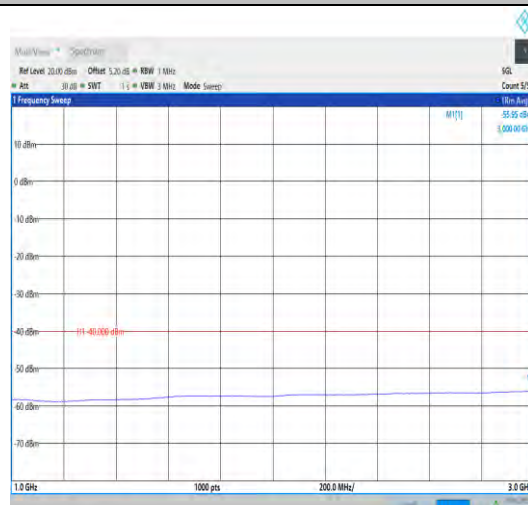
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16:29:53 27.08.2023

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16:29:01 27.08.2023

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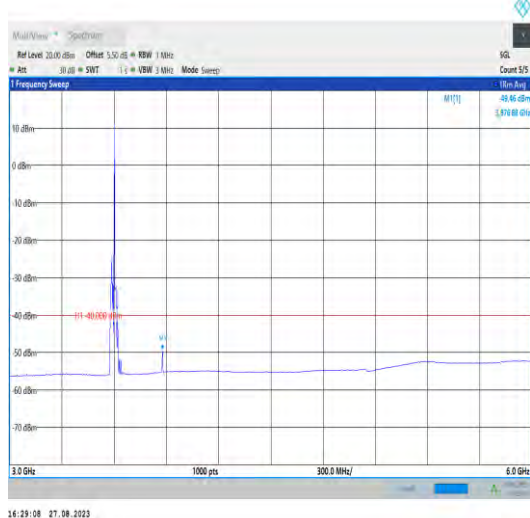
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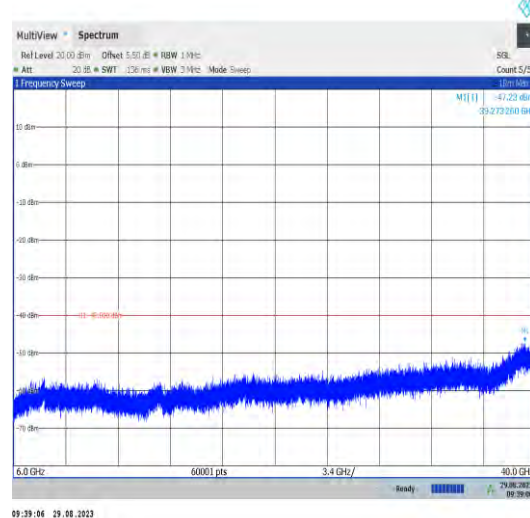
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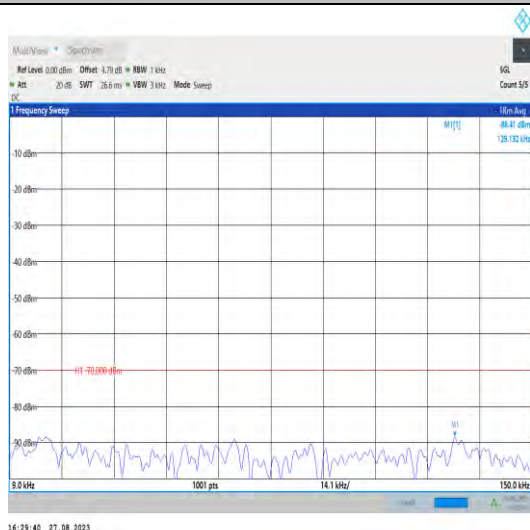




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Band43\_20MHz\_QPSK\_43690\_1RB#0\_6000~40000\_6000~40000



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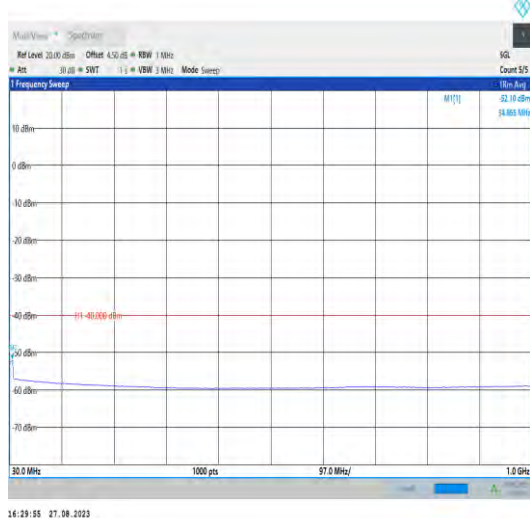
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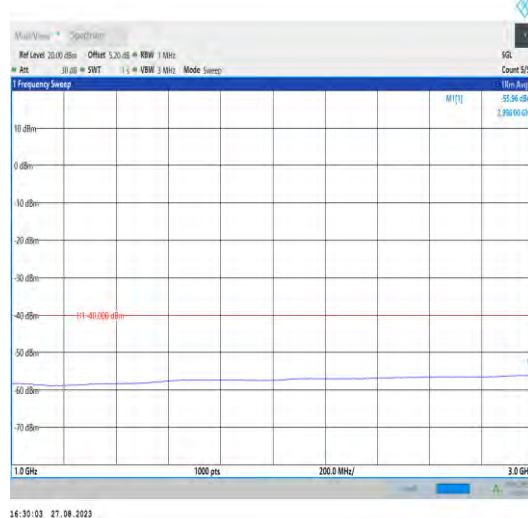
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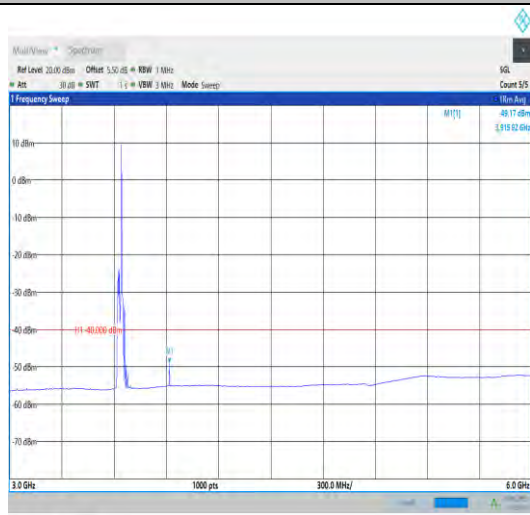
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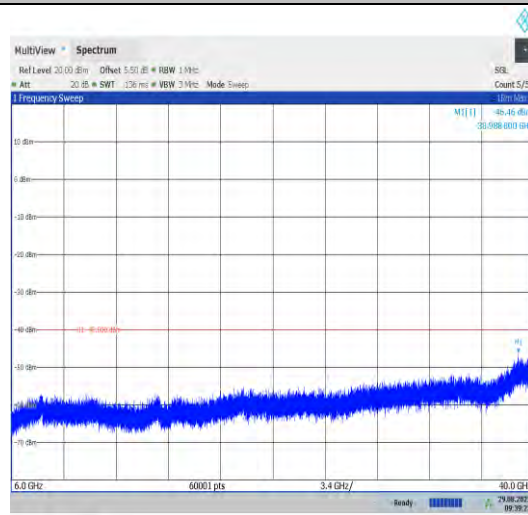
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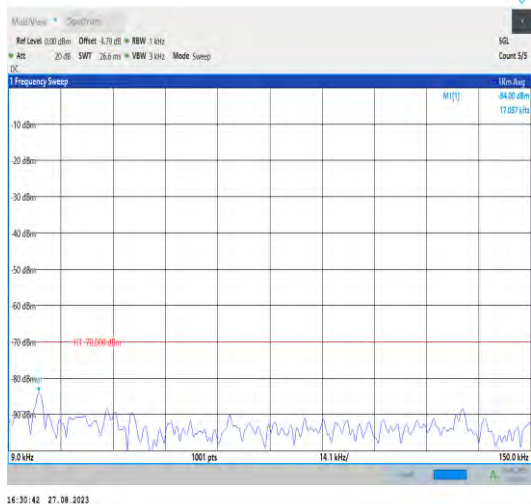


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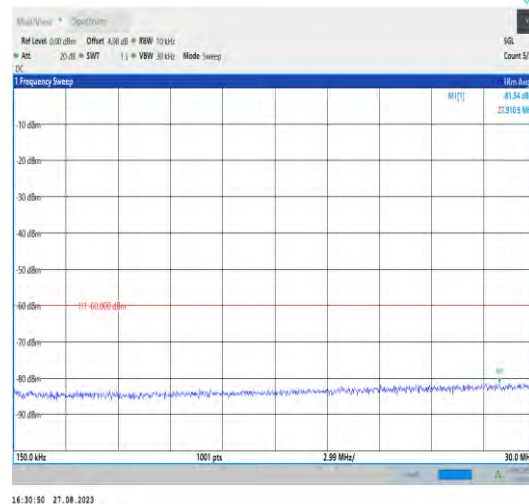
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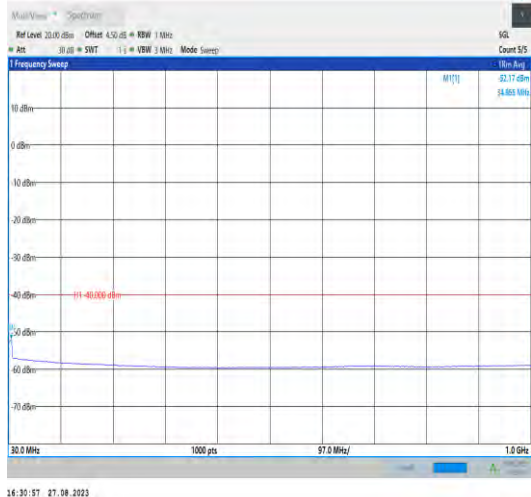
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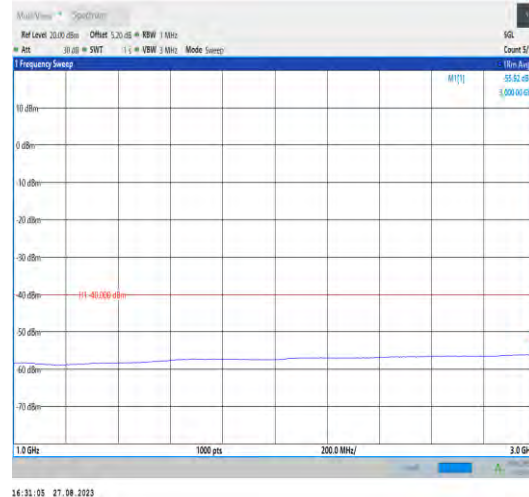
Band43\_20MHz\_QPSK\_44490\_1RB#0\_0.009~0.15\_0.09~0.15



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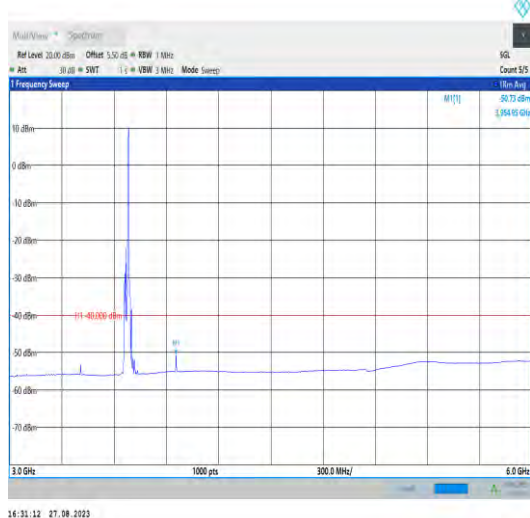


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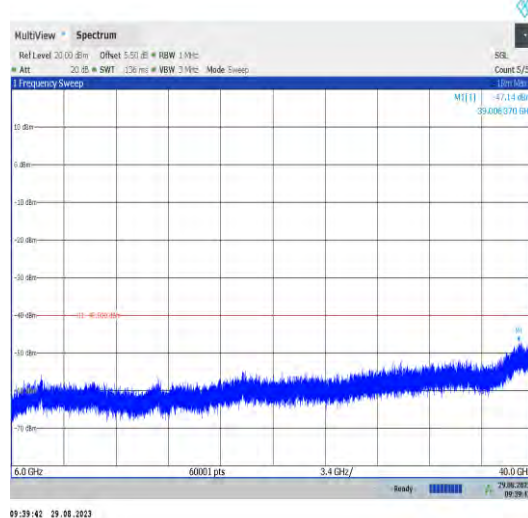
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16:31:12 27.08.2023

Band43\_20MHz\_QPSK\_44490\_1RB#0\_3000~6000\_30  
00~6000



09:39:42 29.08.2023

Band43\_20MHz\_QPSK\_44490\_1RB#0\_6000~40000\_600  
0~40000



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

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## Field Strength of Spurious Radiation

Test Band = LTE Band43\_ TM1\_20MHz

Test Channel = Low 3600-3700

| Final Data List |                    |                   |                |          |                |                |                |                |              |            |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------------|--------------|------------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity   |
| 1               | 7202.1800          | 38.85             | -43.60         | 35.77    | -64.25         | -40.00         | 24.25          | 244            | 150          | Horizontal |
| 2               | 8407.275           | 38.83             | -41.40         | 36.60    | -61.23         | -40.00         | 21.23          | 157            | 251          | Horizontal |
| 3               | 9596.95            | 35.79             | -39.22         | 37.43    | -61.26         | -40.00         | 21.26          | 156            | 360          | Horizontal |
| 4               | 10803.2700         | 31.56             | -38.45         | 38.60    | -63.55         | -40.00         | 23.55          | 136            | 82           | Horizontal |
| 5               | 12827.3            | 29.67             | -36.69         | 39.05    | -63.23         | -40.00         | 23.23          | 259            | 332          | Horizontal |
| 6               | 14404.3600         | 26.90             | -35.04         | 41.06    | -62.34         | -40.00         | 22.34          | 157            | 240          | Horizontal |

| Final Data List |                    |                   |                |          |                |                |                |                |              |          |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------------|--------------|----------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity |
| 1               | 7202.1800          | 39.21             | -43.60         | 35.77    | -63.89         | -40.00         | 23.89          | 200            | 357          | Vertical |
| 2               | 8410.725           | 38.77             | -41.42         | 36.59    | -61.31         | -40.00         | 21.31          | 125            | 0            | Vertical |
| 3               | 10111              | 34.26             | -38.76         | 38.26    | -61.51         | -40.00         | 21.51          | 159            | 0            | Vertical |
| 4               | 10803.2700         | 31.12             | -38.45         | 38.60    | -63.99         | -40.00         | 23.99          | 176            | 52           | Vertical |
| 5               | 13429.325          | 28.84             | -36.24         | 39.87    | -62.79         | -40.00         | 22.79          | 135            | 210          | Vertical |
| 6               | 14404.3600         | 27.47             | -35.04         | 41.06    | -61.77         | -40.00         | 21.77          | 183            | 176          | Vertical |



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**Test Band = LTE Band43\_ TM1\_20MHz**

**Test Channel = Mid 3600-3700**

| Final Data List |                    |                   |                |          |                |                |                |                |              |            |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------------|--------------|------------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity   |
| 1               | 7282.1800          | 38.79             | -43.38         | 35.99    | -63.86         | -40.00         | 23.86          | 247            | 331          | Horizontal |
| 2               | 8416.475           | 39.09             | -41.44         | 36.59    | -61.02         | -40.00         | 21.02          | 186            | 262          | Horizontal |
| 3               | 9412.95            | 36.07             | -39.93         | 37.08    | -62.03         | -40.00         | 22.03          | 165            | 285          | Horizontal |
| 4               | 10923.2700         | 30.31             | -37.76         | 38.66    | -64.05         | -40.00         | 24.05          | 192            | 240          | Horizontal |
| 5               | 13333.875          | 28.71             | -36.70         | 39.70    | -63.55         | -40.00         | 23.55          | 145            | 196          | Horizontal |
| 6               | 14564.3600         | 27.66             | -34.95         | 41.13    | -61.43         | -40.00         | 21.43          | 163            | 228          | Horizontal |

| Final Data List |                    |                   |                |          |                |                |                |                |              |          |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------------|--------------|----------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity |
| 1               | 7282.1800          | 39.04             | -43.38         | 35.99    | -63.61         | -40.00         | 23.61          | 211            | 246          | Vertical |
| 2               | 8404.975           | 39.26             | -41.39         | 36.60    | -60.79         | -40.00         | 20.79          | 153            | 223          | Vertical |
| 3               | 10099.5            | 33.90             | -38.70         | 38.25    | -61.81         | -40.00         | 21.81          | 256            | 86           | Vertical |
| 4               | 10923.2700         | 30.20             | -37.76         | 38.66    | -64.16         | -40.00         | 24.16          | 186            | 280          | Vertical |
| 5               | 14564.3600         | 27.49             | -34.95         | 41.13    | -61.60         | -40.00         | 21.60          | 192            | 154          | Vertical |
| 6               | 15858.125          | 27.99             | -33.68         | 39.50    | -61.45         | -40.00         | 21.45          | 175            | 291          | Vertical |



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Test Band = LTE Band43\_ TM1\_20MHz

Test Channel = High 3600-3700

| Final Data List |                    |                   |                |          |                |                |                |                |              |            |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------------|--------------|------------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity   |
| 1               | 7362.1800          | 39.33             | -42.99         | 36.22    | -62.71         | -40.00         | 22.71          | 248            | 228          | Horizontal |
| 2               | 8407.85            | 39.30             | -41.40         | 36.60    | -60.77         | -40.00         | 20.77          | 175            | 150          | Horizontal |
| 3               | 9562.45            | 35.70             | -39.49         | 37.37    | -61.68         | -40.00         | 21.68          | 153            | 127          | Horizontal |
| 4               | 11043.2700         | 29.15             | -37.66         | 38.70    | -65.07         | -40.00         | 25.07          | 263            | 127          | Horizontal |
| 5               | 14724.3600         | 25.86             | -34.82         | 41.19    | -63.03         | -40.00         | 23.03          | 256            | 331          | Horizontal |
| 6               | 16515.925          | 30.11             | -34.32         | 40.80    | -58.67         | -40.00         | 18.67          | 129            | 262          | Horizontal |

| Final Data List |                    |                   |                |          |                |                |                |                |              |          |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------------|--------------|----------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity |
| 1               | 7362.1800          | 39.30             | -42.99         | 36.22    | -62.74         | -40.00         | 22.74          | 248            | 9            | Vertical |
| 2               | 8409               | 39.12             | -41.41         | 36.60    | -60.95         | -40.00         | 20.95          | 179            | 199          | Vertical |
| 3               | 10109.85           | 34.00             | -38.76         | 38.25    | -61.76         | -40.00         | 21.76          | 186            | 221          | Vertical |
| 4               | 11043.2700         | 29.42             | -37.66         | 38.70    | -64.80         | -40.00         | 24.80          | 256            | 278          | Vertical |
| 5               | 12817.525          | 29.46             | -36.66         | 39.05    | -63.42         | -40.00         | 23.42          | 166            | 96           | Vertical |
| 6               | 14724.3600         | 25.80             | -34.82         | 41.19    | -63.09         | -40.00         | 23.09          | 129            | 289          | Vertical |

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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## Frequency Stability

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0      | VN            | NT               | -0.60          | -0.000163       | PASS    |
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0      | VL            | NT               | -1.20          | -0.000562       | PASS    |
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0      | VH            | NT               | 3.10           | 0.000235        | PASS    |

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0      | NV            | -30              | -3.20          | -0.001253       | PASS    |
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0      | NV            | -20              | -0.60          | -0.000127       | PASS    |
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0      | NV            | -10              | -4.20          | -0.001126       | PASS    |
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0      | NV            | 0                | 3.50           | 0.000635        | PASS    |
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0      | NV            | 10               | -0.80          | -0.000161       | PASS    |
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0      | NV            | 20               | -2.50          | -0.000236       | PASS    |
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0      | NV            | 30               | 0.50           | 0.000128        | PASS    |
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0      | NV            | 40               | 1.60           | 0.000336        | PASS    |
| Band43 | 20MHz     | QPSK       | 44090   | 100RB#0      | NV            | 50               | 3.50           | 0.000237        | PASS    |

---End of Attachment---



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