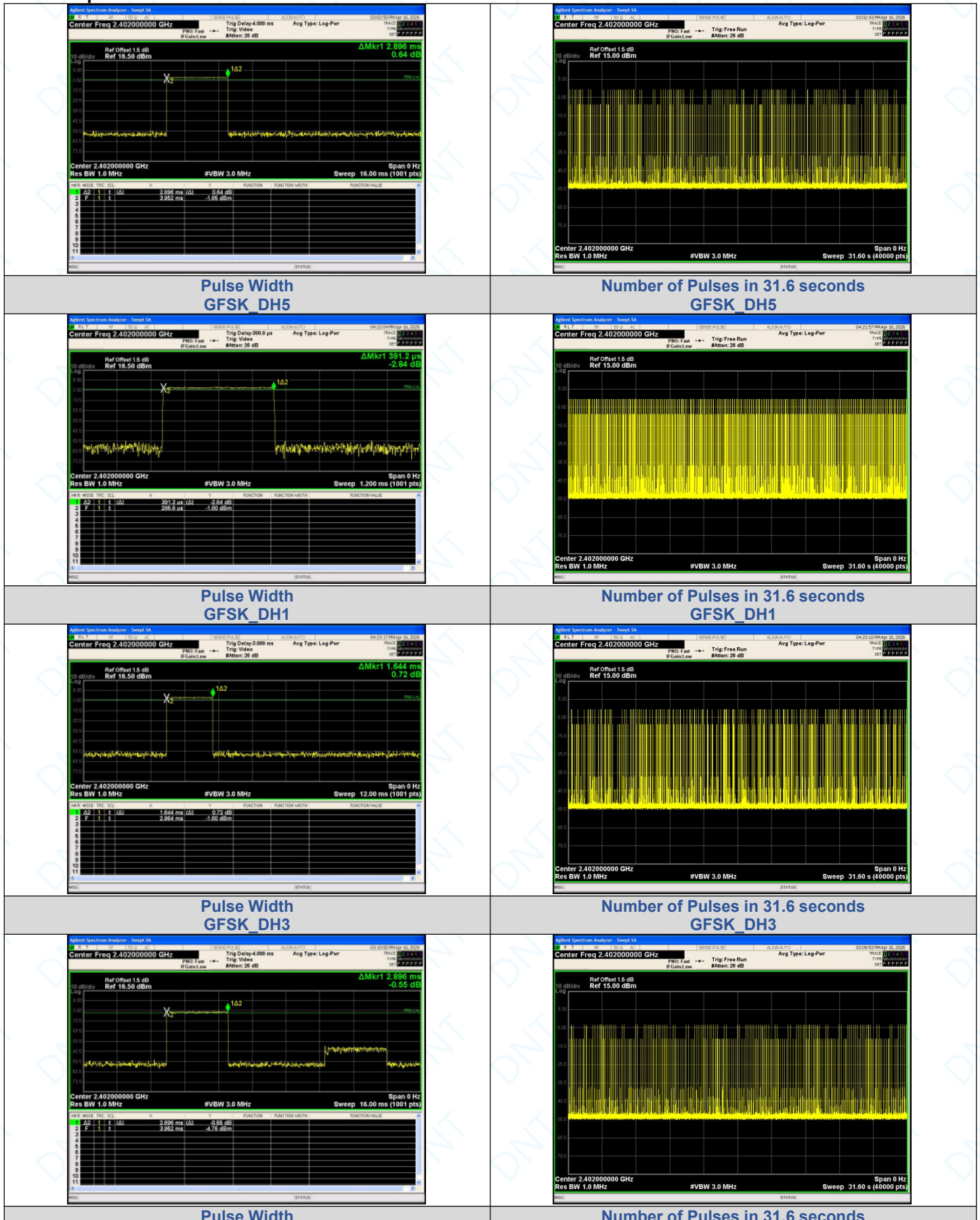
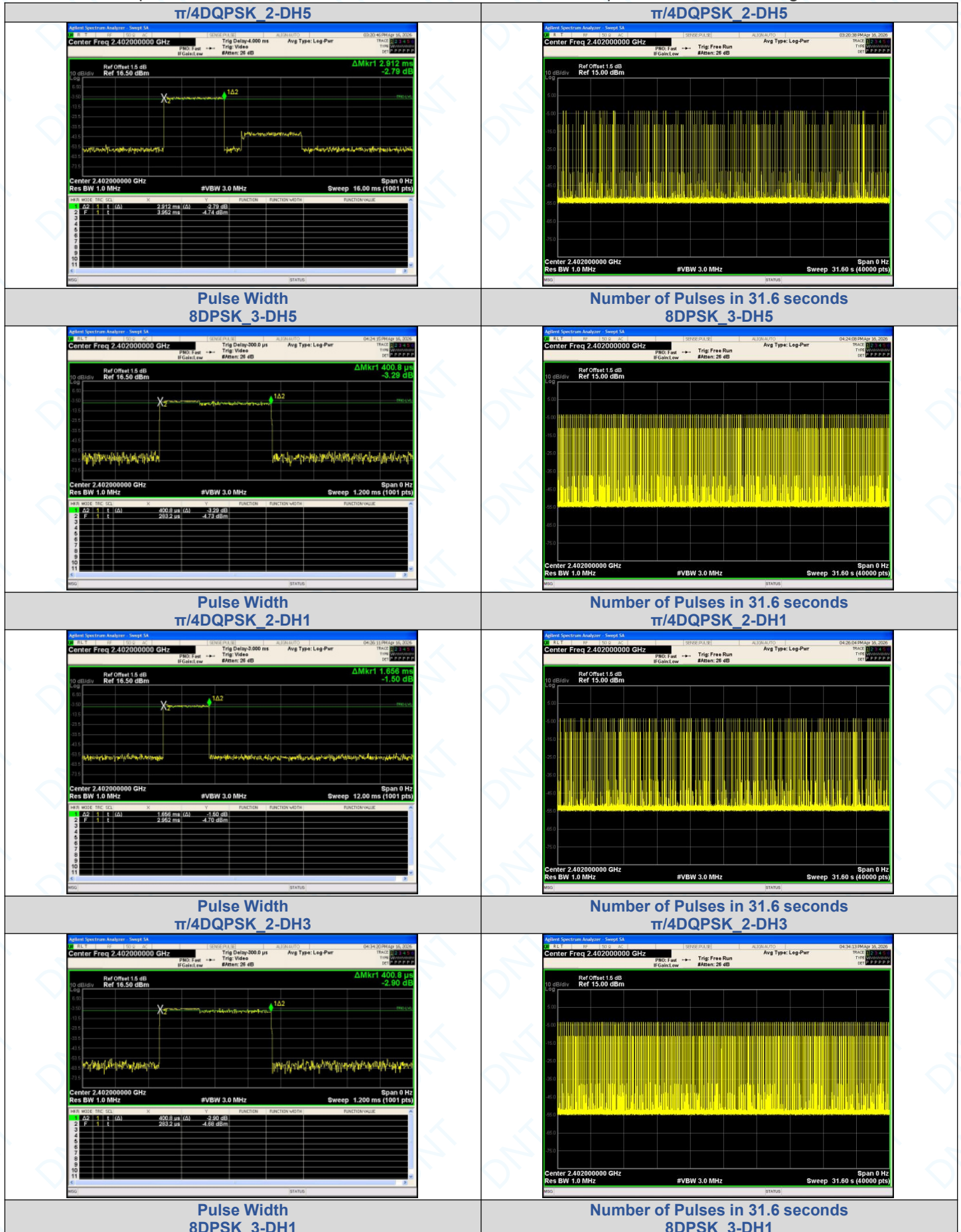
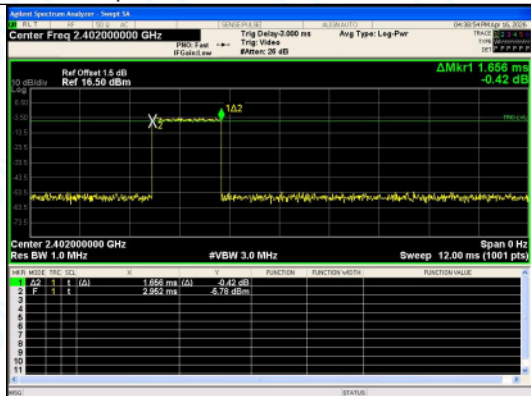




## Test Graphs







Pulse Width  
8DPSK\_3-DH3



Number of Pulses in 31.6 seconds  
8DPSK\_3-DH3



## Appendix E: Number of hopping channels

### Test Result

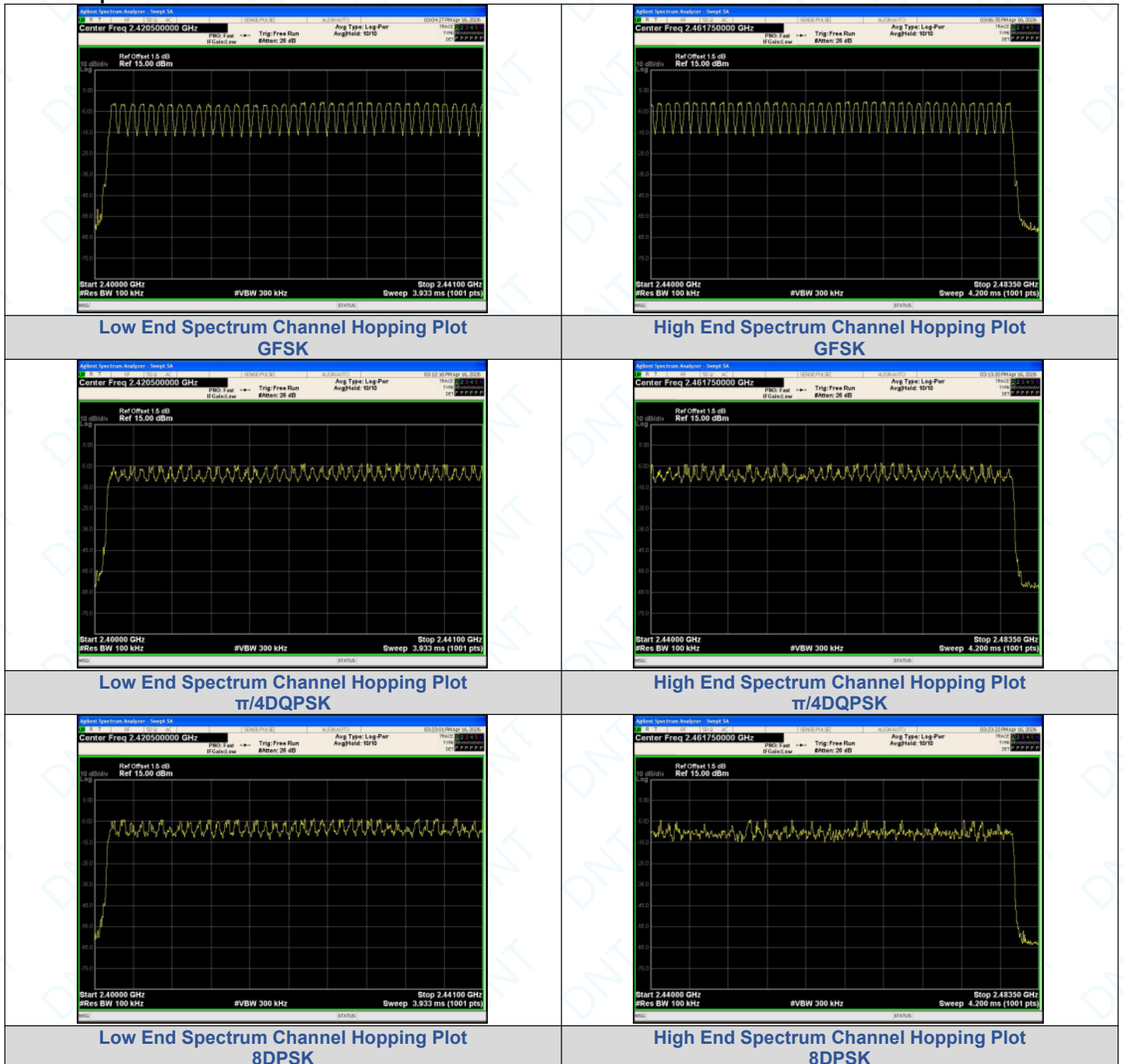
| Modulation    | Packet | Number of Hopping Channel | Limit | Result |
|---------------|--------|---------------------------|-------|--------|
| GFSK          | DH5    | 79                        | 15    | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 79                        | 15    | PASS   |
| 8DPSK         | 3-DH5  | 79                        | 15    | PASS   |

Note :

Both left and right earphone have tested, The Right earphone is the worst, only the worse case was reported.



## Test Graphs



**Appendix F: Band edge measurements&Conducted Spurious Emission****Test Result**

| Modulation    | Packet | Channel | OOB<br>Emission<br>Frequency<br>(MHz) | OOB<br>Emission<br>Level<br>(dBm) | Limit<br>(dBm) | Over Limit<br>(dB) | Result |
|---------------|--------|---------|---------------------------------------|-----------------------------------|----------------|--------------------|--------|
| GFSK          | DH5    | 0       | 807.67                                | -65.133                           | -21.12         | -44.013            | PASS   |
|               |        |         | 2400.00                               | -55.273                           | -21.12         | -34.153            | PASS   |
|               |        |         | 2753.50                               | -62.368                           | -21.12         | -41.248            | PASS   |
|               |        |         | 4804.43                               | -31.250                           | -21.12         | -10.130            | PASS   |
|               |        |         | 6267.75                               | -62.826                           | -21.12         | -41.706            | PASS   |
|               |        |         | 7206.00                               | -64.790                           | -21.12         | -43.670            | PASS   |
|               |        |         | 9608.02                               | -55.019                           | -21.12         | -33.899            | PASS   |
|               |        |         | 14034.5                               | -60.799                           | -21.12         | -39.679            | PASS   |
|               |        |         | 16613.7                               | -57.824                           | -21.12         | -36.704            | PASS   |
|               |        |         | 20827.2                               | -55.653                           | -21.12         | -34.533            | PASS   |
|               |        | 39      | 23965.6                               | -53.322                           | -21.12         | -32.203            | PASS   |
|               |        |         | 24046.2                               | -52.964                           | -21.12         | -31.844            | PASS   |
|               |        |         | 855.54                                | -65.147                           | -20.87         | -44.277            | PASS   |
|               |        |         | 2699.80                               | -62.113                           | -20.87         | -41.243            | PASS   |
|               |        |         | 4882.05                               | -29.630                           | -20.87         | -8.760             | PASS   |
|               |        |         | 7323.07                               | -60.890                           | -20.87         | -40.020            | PASS   |
|               |        |         | 9764.02                               | -56.738                           | -20.87         | -35.868            | PASS   |
|               |        |         | 13712.5                               | -61.383                           | -20.87         | -40.513            | PASS   |
|               |        | 78      | 16539.5                               | -57.419                           | -20.87         | -36.549            | PASS   |
|               |        |         | 20798.6                               | -55.410                           | -20.87         | -34.540            | PASS   |
|               |        |         | 23943.2                               | -53.744                           | -20.87         | -32.874            | PASS   |
|               |        |         | 24529.8                               | -54.037                           | -20.87         | -33.167            | PASS   |
|               |        |         | 936.34                                | -66.319                           | -20.98         | -45.339            | PASS   |
|               |        |         | 2483.50                               | -61.495                           | -20.98         | -40.515            | PASS   |
|               |        |         | 2670.80                               | -62.962                           | -20.98         | -41.982            | PASS   |
|               |        |         | 4959.68                               | -30.002                           | -20.98         | -9.022             | PASS   |
|               |        |         | 7139.70                               | -62.470                           | -20.98         | -41.490            | PASS   |
|               |        |         | 7439.85                               | -63.510                           | -20.98         | -42.530            | PASS   |
|               |        |         | 9920.02                               | -61.262                           | -20.98         | -40.282            | PASS   |
|               |        |         | 14163.0                               | -60.990                           | -20.98         | -40.010            | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 0       | 16536.0                               | -58.774                           | -20.98         | -37.794            | PASS   |
|               |        |         | 20837.7                               | -55.971                           | -20.98         | -34.991            | PASS   |
|               |        |         | 23991.6                               | -52.959                           | -20.98         | -31.979            | PASS   |
|               |        |         | 24977.5                               | -53.298                           | -20.98         | -32.318            | PASS   |
|               |        |         | 367.68                                | -65.981                           | -24.06         | -41.921            | PASS   |
|               |        |         | 2400.00                               | -58.291                           | -24.06         | -34.231            | PASS   |
|               |        |         | 2728.60                               | -62.348                           | -24.06         | -38.288            | PASS   |
|               |        |         | 4803.68                               | -34.413                           | -24.06         | -10.353            | PASS   |
|               |        |         | 6922.95                               | -63.116                           | -24.06         | -39.056            | PASS   |
|               |        |         | 7205.93                               | -66.023                           | -24.06         | -41.963            | PASS   |
|               |        |         | 9608.02                               | -54.491                           | -24.06         | -30.431            | PASS   |
|               |        |         | 13950.8                               | -60.404                           | -24.06         | -36.344            | PASS   |
|               |        |         | 16478.5                               | -57.623                           | -24.06         | -33.563            | PASS   |
|               |        |         | 20774.8                               | -55.154                           | -24.06         | -31.094            | PASS   |
|               |        |         | 23993.0                               | -53.739                           | -24.06         | -29.679            | PASS   |
|               |        |         | 24916.5                               | -52.566                           | -24.06         | -28.506            | PASS   |



|       |       |    |         |         |        |         |      |
|-------|-------|----|---------|---------|--------|---------|------|
|       |       | 39 | 814.27  | -64.572 | -24.09 | -40.481 | PASS |
|       |       |    | 2689.75 | -62.886 | -24.09 | -38.796 | PASS |
|       |       |    | 4881.75 | -41.584 | -24.09 | -17.494 | PASS |
|       |       |    | 6993.07 | -63.582 | -24.09 | -39.492 | PASS |
|       |       |    | 7323.07 | -65.366 | -24.09 | -41.276 | PASS |
|       |       |    | 9764.02 | -58.552 | -24.09 | -34.462 | PASS |
|       |       |    | 14993.5 | -61.225 | -24.09 | -37.135 | PASS |
|       |       |    | 16591.0 | -57.429 | -24.09 | -33.339 | PASS |
|       |       |    | 20782.0 | -55.781 | -24.09 | -31.691 | PASS |
|       |       |    | 21364.3 | -54.120 | -24.09 | -30.030 | PASS |
|       |       | 78 | 24537.8 | -54.068 | -24.09 | -29.978 | PASS |
|       |       |    | 944.98  | -66.246 | -23.78 | -42.466 | PASS |
|       |       |    | 2483.50 | -62.414 | -23.78 | -38.634 | PASS |
|       |       |    | 2889.45 | -63.328 | -23.78 | -39.548 | PASS |
|       |       |    | 4959.98 | -40.107 | -23.78 | -16.327 | PASS |
|       |       |    | 6052.27 | -63.132 | -23.78 | -39.352 | PASS |
|       |       |    | 7439.62 | -65.748 | -23.78 | -41.968 | PASS |
|       |       |    | 9920.02 | -60.398 | -23.78 | -36.617 | PASS |
|       |       |    | 14060.4 | -60.925 | -23.78 | -37.145 | PASS |
|       |       |    | 16607.1 | -57.623 | -23.78 | -33.843 | PASS |
| 8DPSK | 3-DH5 | 0  | 20744.9 | -54.848 | -23.78 | -31.068 | PASS |
|       |       |    | 23997.5 | -53.544 | -23.78 | -29.764 | PASS |
|       |       |    | 24634.0 | -54.085 | -23.78 | -30.305 | PASS |
|       |       |    | 801.93  | -66.170 | -24.67 | -41.500 | PASS |
|       |       |    | 2400.00 | -56.714 | -24.67 | -32.044 | PASS |
|       |       |    | 2612.30 | -63.030 | -24.67 | -38.360 | PASS |
|       |       |    | 4804.20 | -41.814 | -24.67 | -17.144 | PASS |
|       |       |    | 6005.02 | -63.079 | -24.67 | -38.409 | PASS |
|       |       |    | 7205.93 | -64.404 | -24.67 | -39.734 | PASS |
|       |       |    | 9608.02 | -54.694 | -24.67 | -30.024 | PASS |
|       |       |    | 14998.3 | -61.141 | -24.67 | -36.471 | PASS |
|       |       |    | 16485.0 | -58.381 | -24.67 | -33.711 | PASS |
|       |       | 39 | 20818.3 | -56.337 | -24.67 | -31.667 | PASS |
|       |       |    | 23993.5 | -53.669 | -24.67 | -28.999 | PASS |
|       |       |    | 24005.7 | -53.450 | -24.67 | -28.780 | PASS |
|       |       |    | 785.92  | -65.458 | -23.92 | -41.538 | PASS |
|       |       |    | 2640.70 | -62.228 | -23.92 | -38.308 | PASS |
|       |       |    | 4881.60 | -37.674 | -23.92 | -13.754 | PASS |
|       |       |    | 7112.25 | -63.036 | -23.92 | -39.116 | PASS |
|       |       |    | 7322.70 | -66.357 | -23.92 | -42.437 | PASS |
|       |       |    | 9764.10 | -58.553 | -23.92 | -34.633 | PASS |
|       |       |    | 14997.4 | -60.545 | -23.92 | -36.625 | PASS |
|       |       |    | 16576.3 | -58.069 | -23.92 | -34.149 | PASS |
|       |       |    | 20751.1 | -56.024 | -23.92 | -32.104 | PASS |
|       |       | 78 | 23977.9 | -53.426 | -23.92 | -29.506 | PASS |
|       |       |    | 24713.0 | -53.840 | -23.92 | -29.920 | PASS |
|       |       |    | 842.33  | -64.973 | -24.25 | -40.723 | PASS |
|       |       |    | 2483.50 | -62.330 | -24.25 | -38.080 | PASS |
|       |       |    | 2733.60 | -62.906 | -24.25 | -38.656 | PASS |
|       |       |    | 4959.82 | -42.341 | -24.25 | -18.091 | PASS |
|       |       |    | 6034.73 | -63.501 | -24.25 | -39.251 | PASS |
|       |       |    | 7439.48 | -65.214 | -24.25 | -40.964 | PASS |
|       |       |    | 9920.02 | -59.776 | -24.25 | -35.526 | PASS |

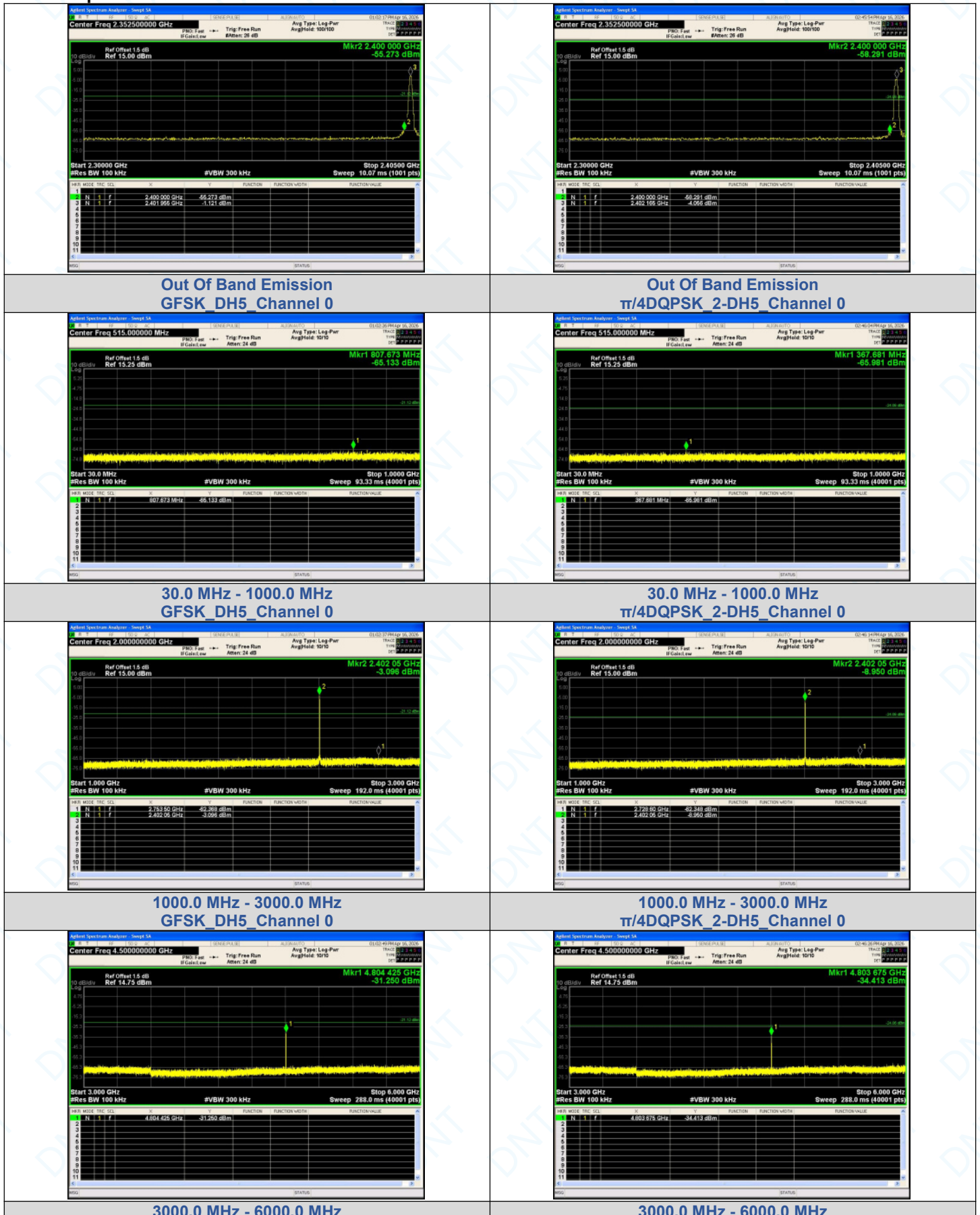


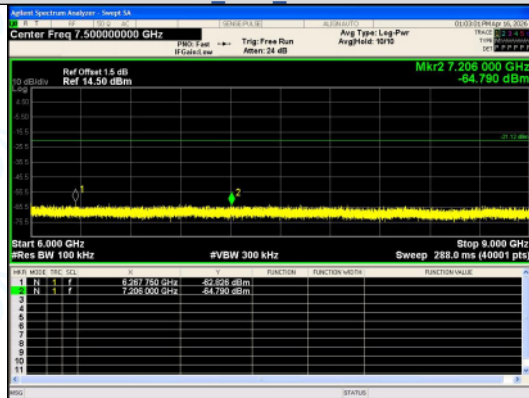
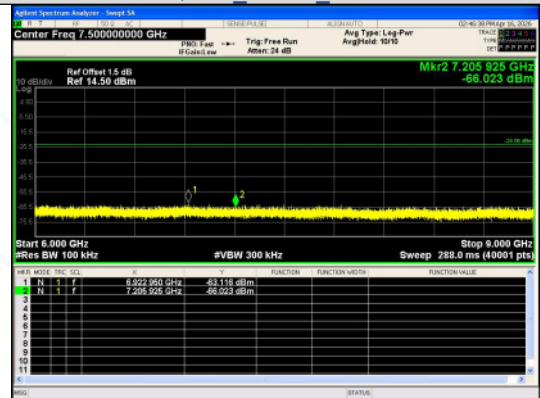
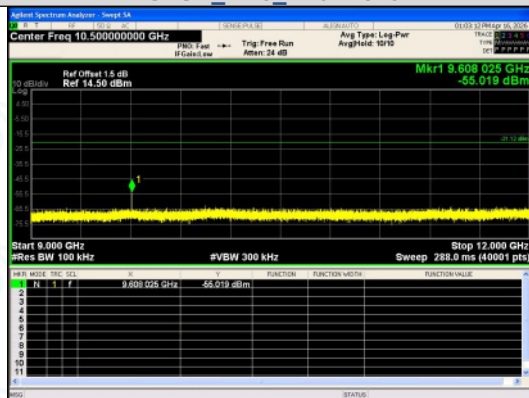
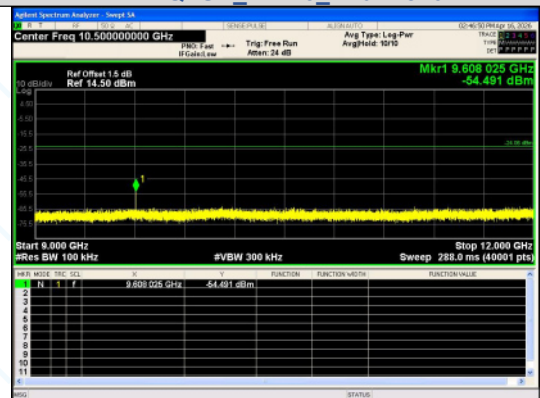
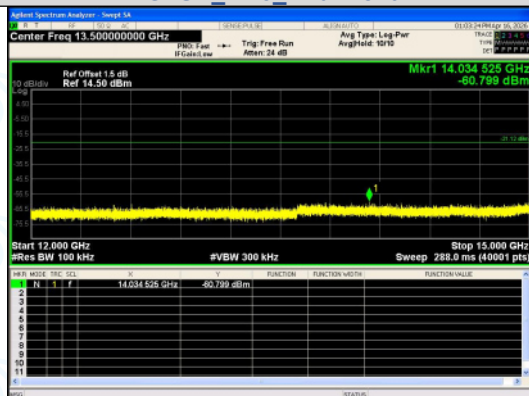
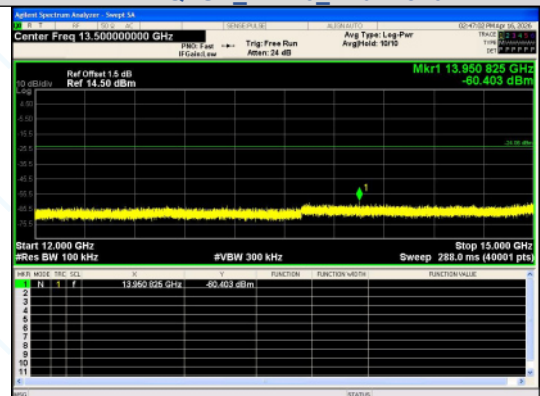
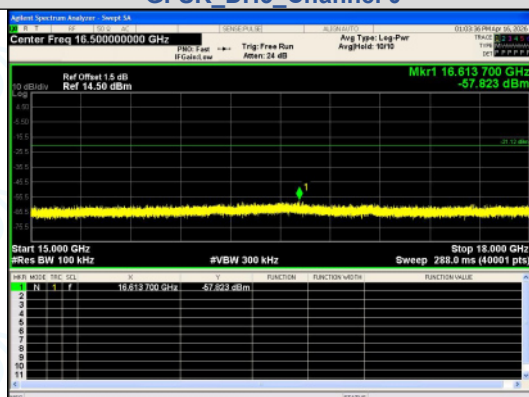
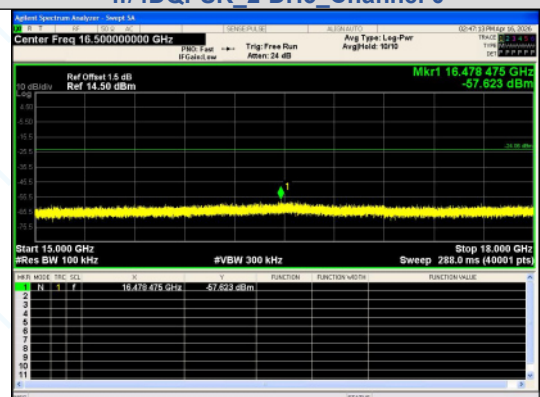
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|  |  |  | 16556.5 | -57.896 | -24.25 | -33.646 | PASS |
|  |  |  | 20835.6 | -55.116 | -24.25 | -30.866 | PASS |
|  |  |  | 23912.1 | -53.667 | -24.25 | -29.417 | PASS |
|  |  |  | 24937.0 | -53.159 | -24.25 | -28.909 | PASS |

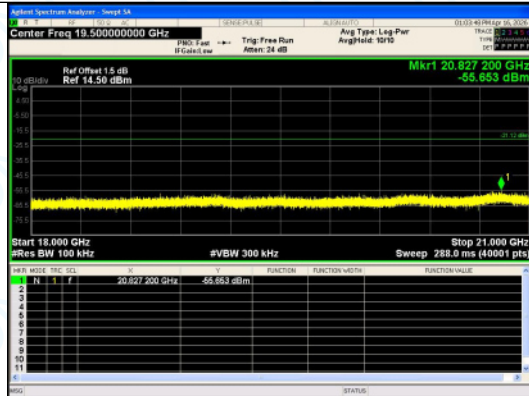
Note :  
Both left and right earphone have tested, The Right earphone is the worst, only the worse case was reported.



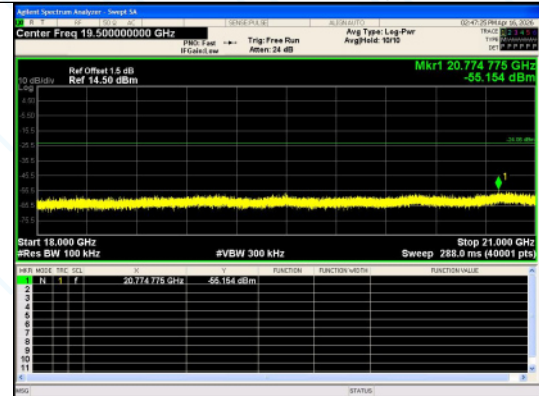
## Test Graphs



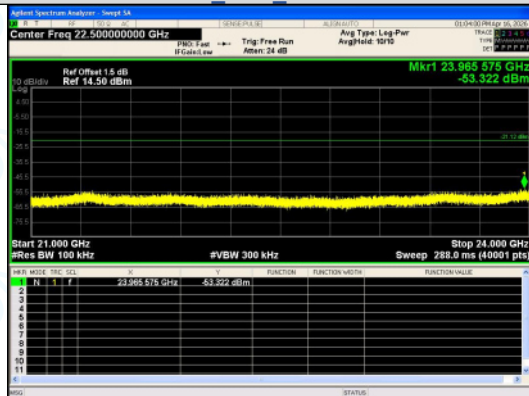
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GFSK\_DH5\_Channel 0****6000.0 MHz - 9000.0 MHz  
 $\pi$ /4DQPSK\_2-DH5\_Channel 0****9000.0 MHz - 12000.0 MHz  
GFSK\_DH5\_Channel 0****9000.0 MHz - 12000.0 MHz  
 $\pi$ /4DQPSK\_2-DH5\_Channel 0****12000.0 MHz - 15000.0 MHz  
GFSK\_DH5\_Channel 0****12000.0 MHz - 15000.0 MHz  
 $\pi$ /4DQPSK\_2-DH5\_Channel 0****15000.0 MHz - 18000.0 MHz  
GFSK\_DH5\_Channel 0****15000.0 MHz - 18000.0 MHz  
 $\pi$ /4DQPSK\_2-DH5\_Channel 0**



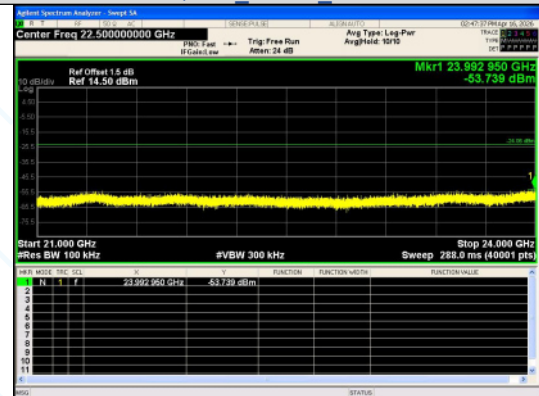
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GFSK DH5 Channel 0



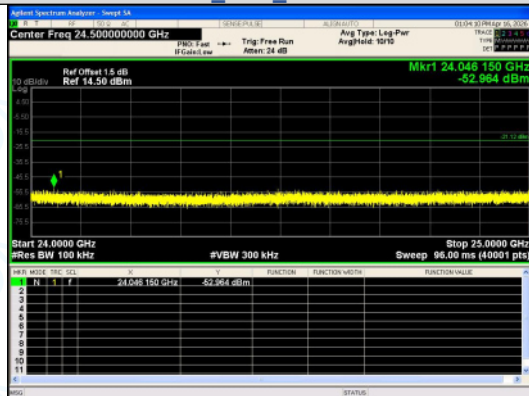
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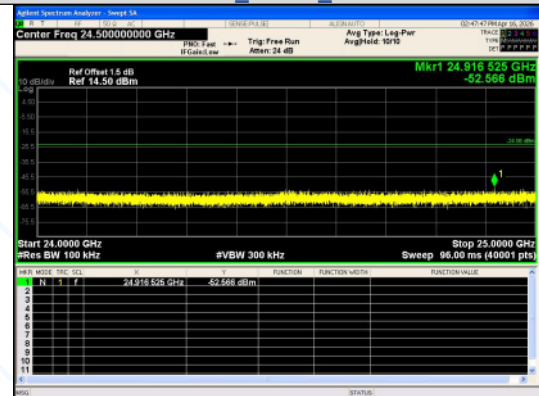
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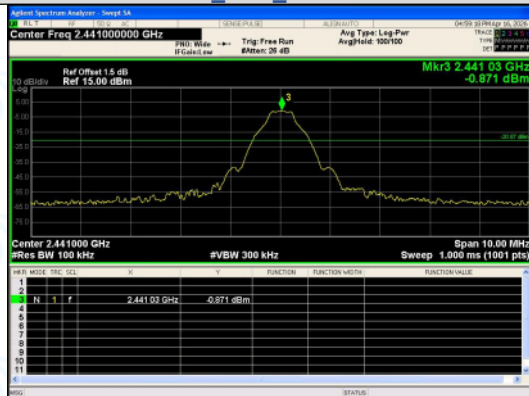
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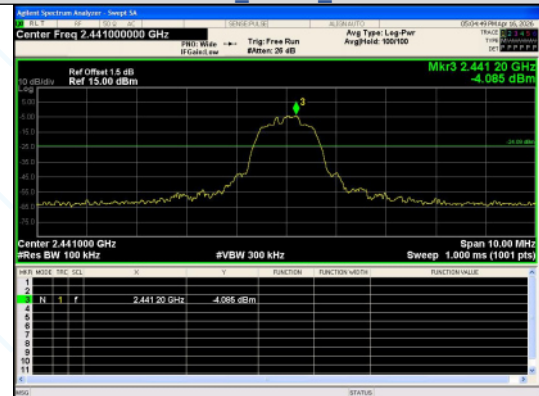
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GFSK DH5 Channel 0



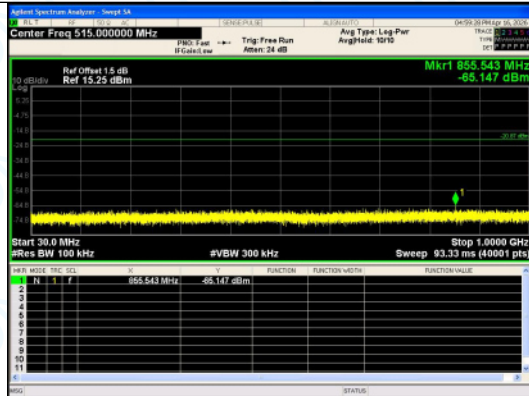
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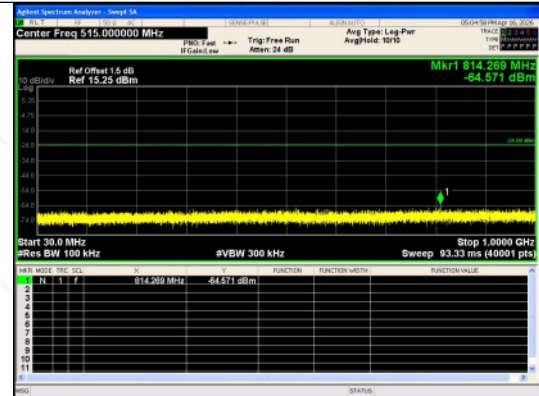
Out Of Band Emission  
GFSK DH5 Channel 39



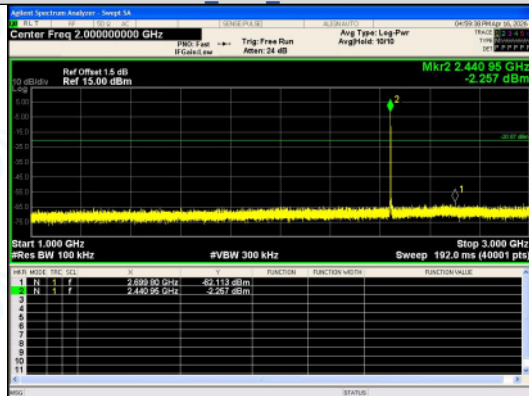
Out Of Band Emission  
 $\pi/4$ DQPSK 2-DH5 Channel 39



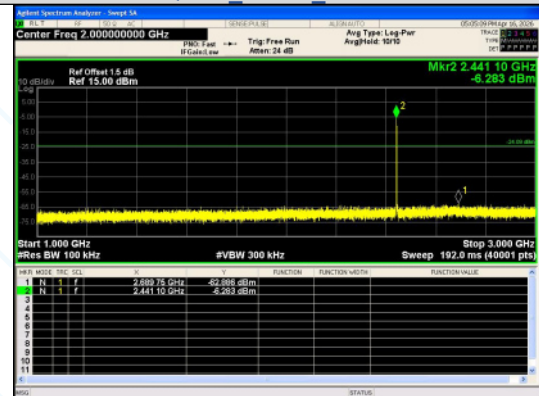
30.0 MHz - 1000.0 MHz  
GFSK DH5 Channel 39



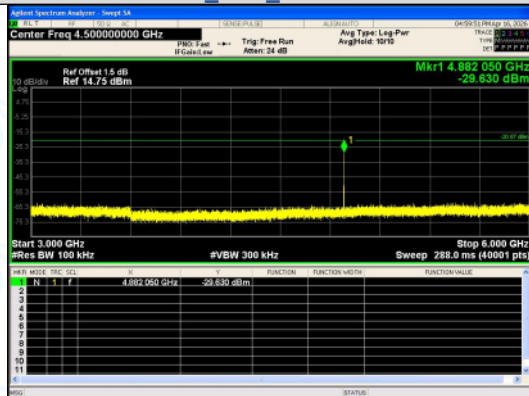
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 $\pi/4$ DQPSK 2-DH5 Channel 39



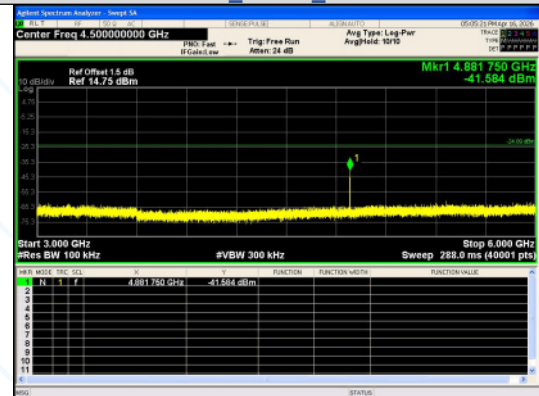
1000.0 MHz - 3000.0 MHz  
GFSK DH5 Channel 39



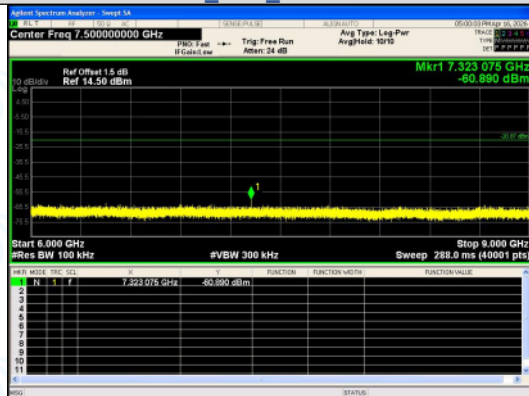
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 $\pi/4$ DQPSK 2-DH5 Channel 39



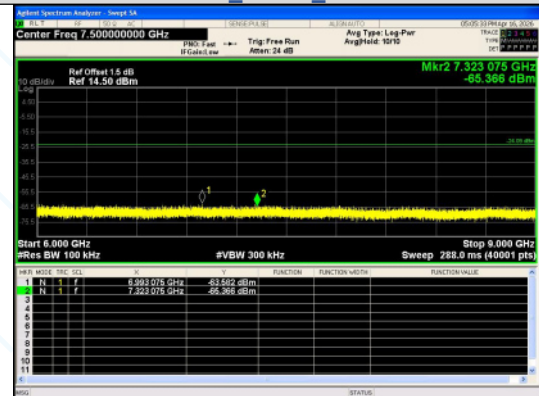
3000.0 MHz - 6000.0 MHz  
GFSK DH5 Channel 39



3000.0 MHz - 6000.0 MHz  
 $\pi/4$ DQPSK 2-DH5 Channel 39



6000.0 MHz - 9000.0 MHz  
GFSK DH5 Channel 39



6000.0 MHz - 9000.0 MHz  
 $\pi/4$ DQPSK 2-DH5 Channel 39