

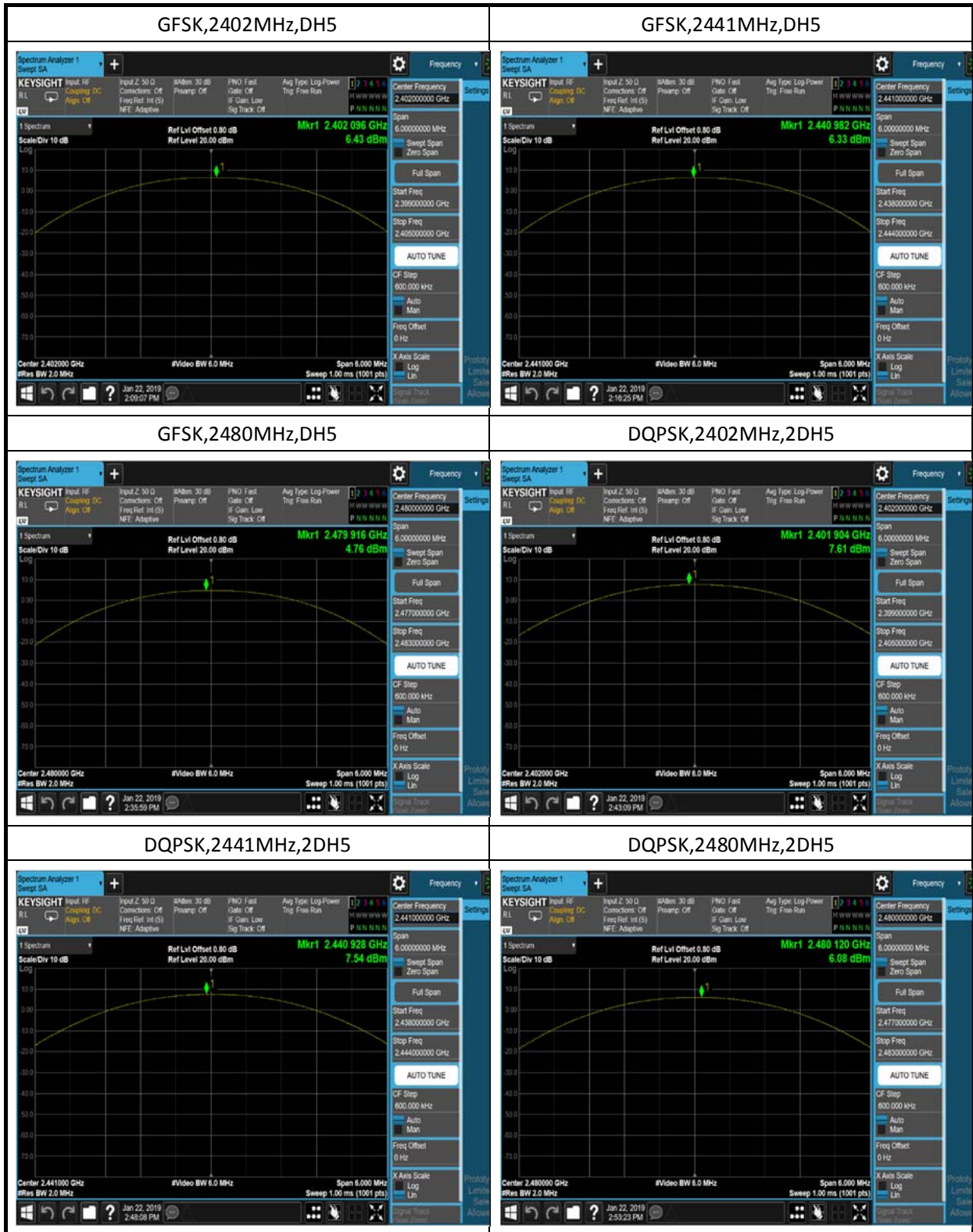
Appendix A: Test results

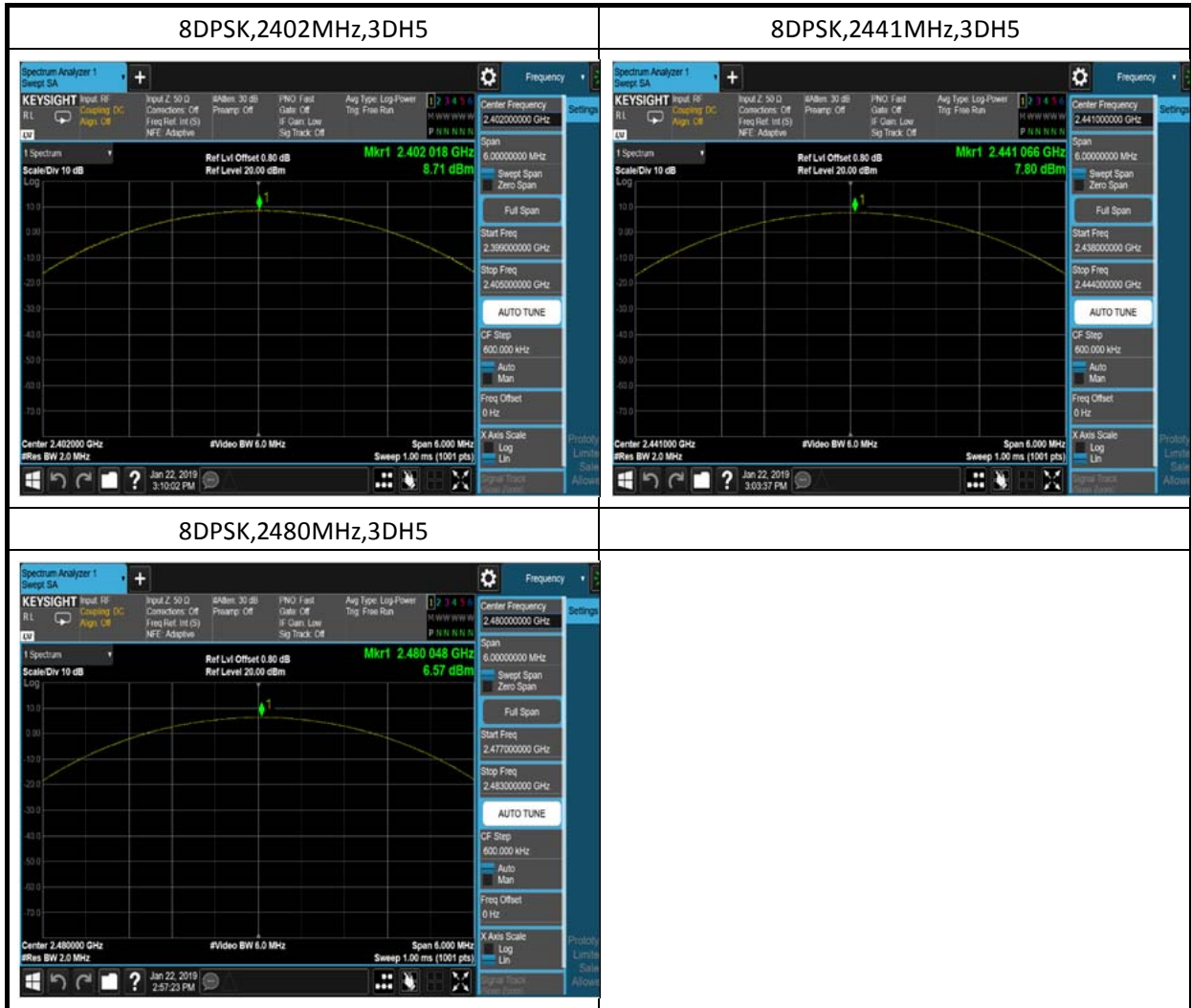
1. RF Output Power

1.1 Test Result and Data

| BT Maximum Output Power | | | | |
|-------------------------|----------------------|-------------|-------------|--------|
| Mode | Test Frequency (MHz) | Packet Type | Power (dBm) | Result |
| GFSK | 2402 | DH5 | 6.43 | Pass |
| GFSK | 2441 | DH5 | 6.33 | Pass |
| GFSK | 2480 | DH5 | 4.76 | Pass |
| DQPSK | 2402 | 2DH5 | 7.61 | Pass |
| DQPSK | 2441 | 2DH5 | 7.54 | Pass |
| DQPSK | 2480 | 2DH5 | 6.08 | Pass |
| 8DPSK | 2402 | 3DH5 | 8.71 | Pass |
| 8DPSK | 2441 | 3DH5 | 7.80 | Pass |
| 8DPSK | 2480 | 3DH5 | 6.57 | Pass |

The maximum EIRP = 8.71dBm+3.1dBi = 11.81dBm = 0.015W which is lower than the limit of 4W listed in RSS-247.

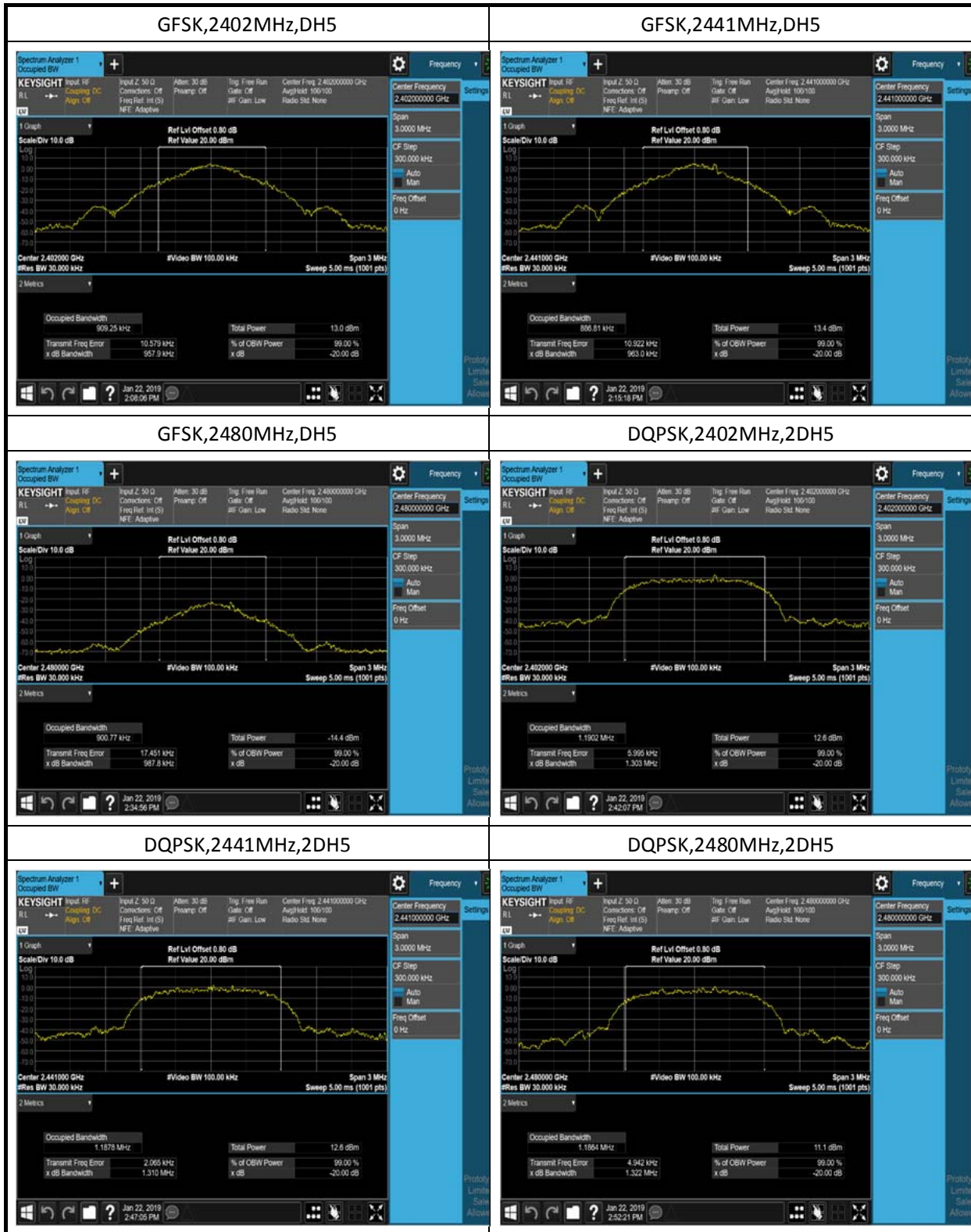




2. 20dB Down Bandwidth

2.1 Test Result and Data

| BT Occupied 20dB Bandwidth | | | | |
|----------------------------|----------------------|-------------|----------------------|--------|
| Mode | Test Frequency (MHz) | Packet Type | 20dB Bandwidth (kHz) | Result |
| GFSK | 2402 | DH5 | 957.9 | Pass |
| GFSK | 2441 | DH5 | 963.0 | Pass |
| GFSK | 2480 | DH5 | 987.8 | Pass |
| DQPSK | 2402 | 2DH5 | 1303.2 | Pass |
| DQPSK | 2441 | 2DH5 | 1310.5 | Pass |
| DQPSK | 2480 | 2DH5 | 1321.6 | Pass |
| 8DPSK | 2402 | 3DH5 | 1279.9 | Pass |
| 8DPSK | 2441 | 3DH5 | 1321.3 | Pass |
| 8DPSK | 2480 | 3DH5 | 1280.7 | Pass |



TEST REPORT

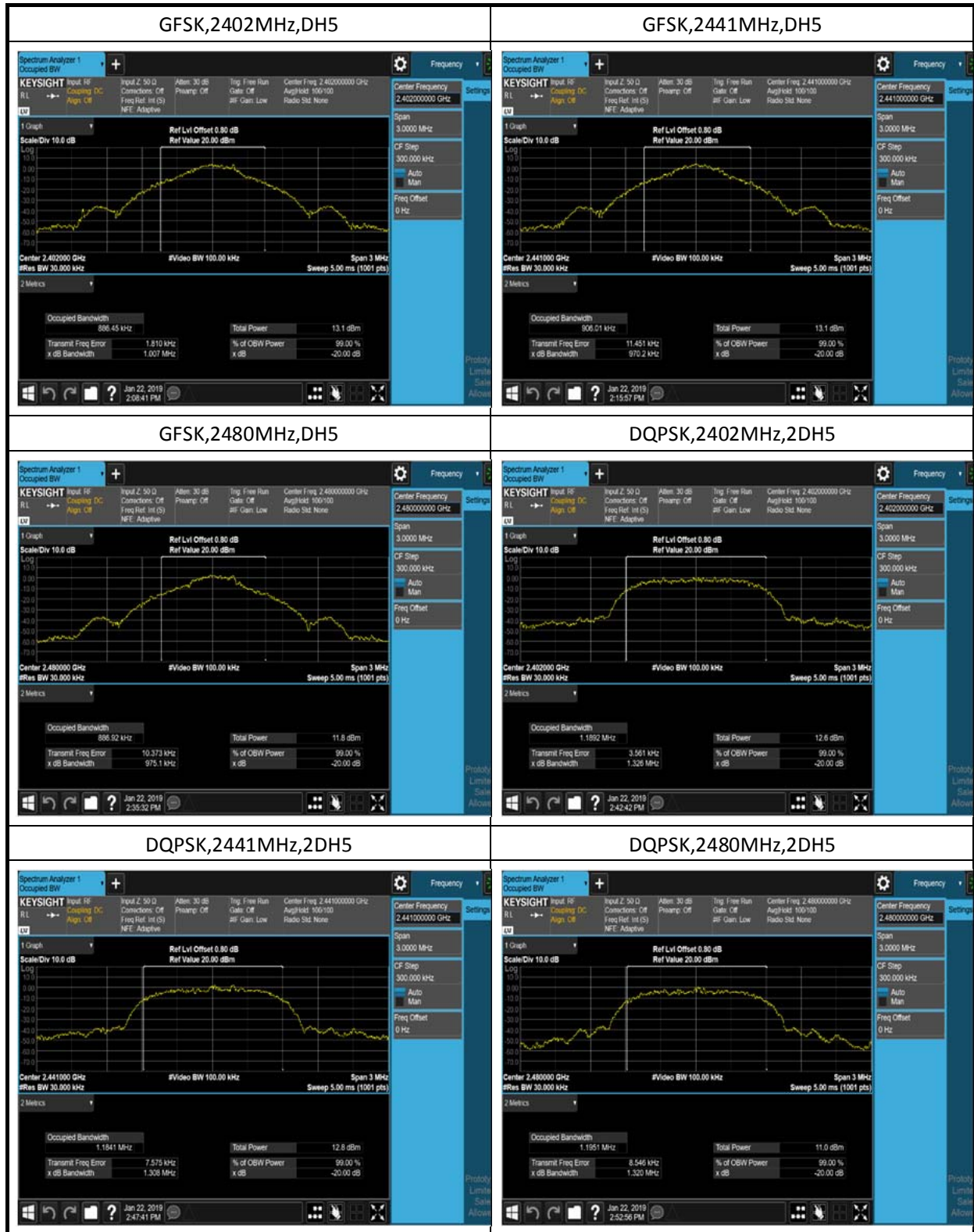


TEST REPORT

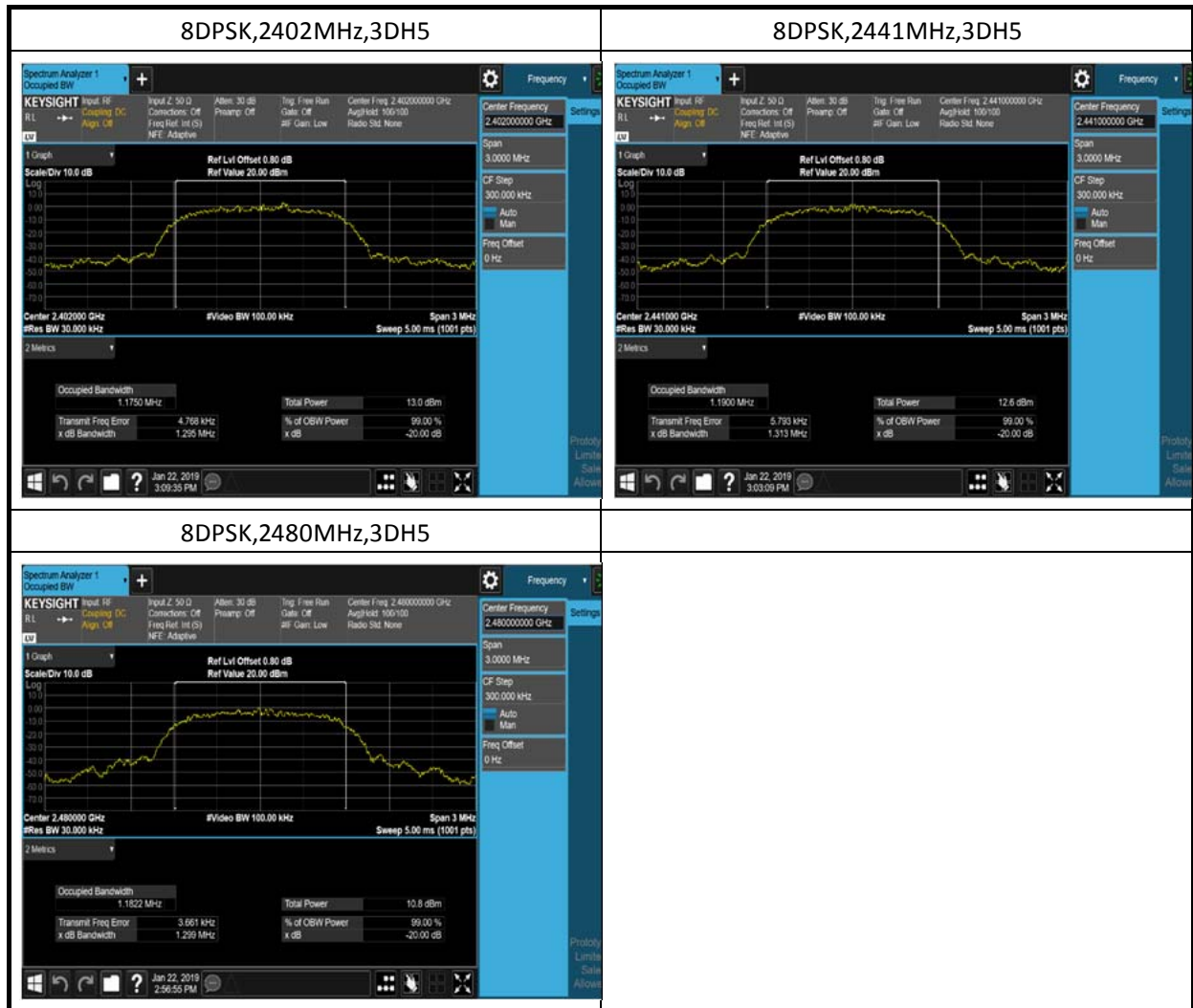
3. 99% BandWidth

3.1 Test Result and Data

| BT 99% Occupied Bandwidth | | | | |
|---------------------------|----------------------|-------------|------------------------------|--------|
| Mode | Test Frequency (MHz) | Packet Type | 99% Occupied Bandwidth (kHz) | Result |
| GFSK | 2402 | DH5 | 886.45 | Pass |
| GFSK | 2441 | DH5 | 906.01 | Pass |
| GFSK | 2480 | DH5 | 886.92 | Pass |
| DQPSK | 2402 | 2DH5 | 1189.15 | Pass |
| DQPSK | 2441 | 2DH5 | 1184.15 | Pass |
| DQPSK | 2480 | 2DH5 | 1195.14 | Pass |
| 8DPSK | 2402 | 3DH5 | 1174.99 | Pass |
| 8DPSK | 2441 | 3DH5 | 1189.96 | Pass |
| 8DPSK | 2480 | 3DH5 | 1182.16 | Pass |



TEST REPORT



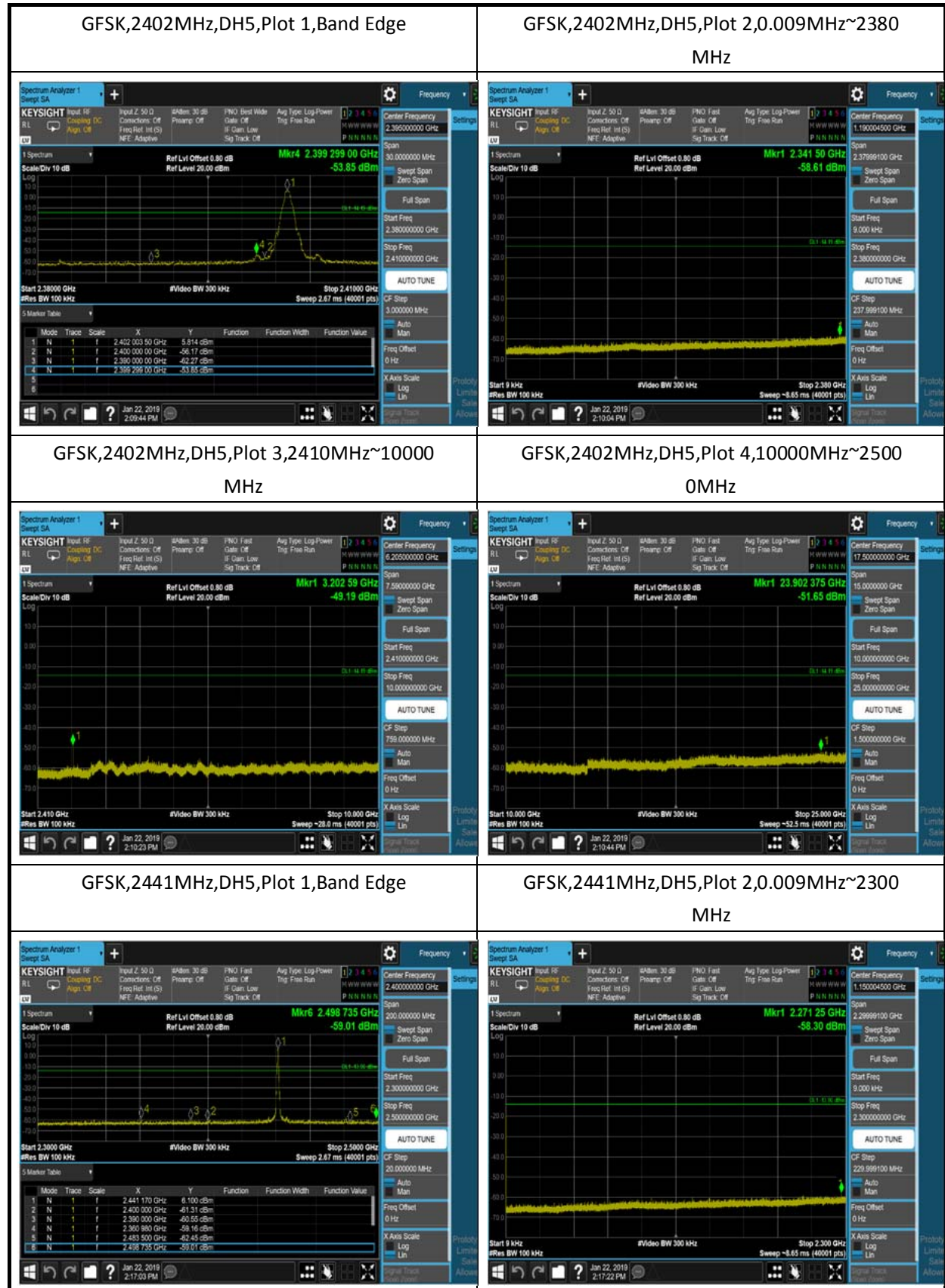
4. Transmitter Spurious Emission

4.1 Test Result and Data

| BT Transmitter Spurious Emission | | | | | |
|----------------------------------|----------------------|-------------|-------------------|-------------|--------|
| Mode | Test Frequency (MHz) | Packet Type | Frequency Range | Power (dBm) | Result |
| GFSK | 2402 | DH5 | 0.009MHz~2380MHz | -58.61 | Pass |
| GFSK | 2402 | DH5 | 10000MHz~25000MHz | -51.66 | Pass |
| GFSK | 2402 | DH5 | 2410MHz~10000MHz | -49.19 | Pass |
| GFSK | 2402 | DH5 | Band Edge | -53.85 | Pass |
| GFSK | 2441 | DH5 | 0.009MHz~2300MHz | -58.30 | Pass |
| GFSK | 2441 | DH5 | 10000MHz~25000MHz | -51.76 | Pass |
| GFSK | 2441 | DH5 | 2500MHz~10000MHz | -50.24 | Pass |
| GFSK | 2441 | DH5 | Band Edge | -59.01 | Pass |
| GFSK | 2480 | DH5 | 0.009MHz~2475MHz | -56.86 | Pass |
| GFSK | 2480 | DH5 | 10000MHz~25000MHz | -51.90 | Pass |
| GFSK | 2480 | DH5 | 2505MHz~10000MHz | -50.50 | Pass |
| GFSK | 2480 | DH5 | Band Edge | -58.78 | Pass |
| DQPSK | 2402 | 2DH5 | 0.009MHz~2380MHz | -57.78 | Pass |
| DQPSK | 2402 | 2DH5 | 10000MHz~25000MHz | -49.49 | Pass |
| DQPSK | 2402 | 2DH5 | 2410MHz~10000MHz | -49.10 | Pass |
| DQPSK | 2402 | 2DH5 | Band Edge | -52.42 | Pass |
| DQPSK | 2441 | 2DH5 | 0.009MHz~2300MHz | -59.06 | Pass |
| DQPSK | 2441 | 2DH5 | 10000MHz~25000MHz | -51.20 | Pass |
| DQPSK | 2441 | 2DH5 | 2500MHz~10000MHz | -49.59 | Pass |
| DQPSK | 2441 | 2DH5 | Band Edge | -59.73 | Pass |
| DQPSK | 2480 | 2DH5 | 0.009MHz~2475MHz | -56.49 | Pass |
| DQPSK | 2480 | 2DH5 | 10000MHz~25000MHz | -51.27 | Pass |
| DQPSK | 2480 | 2DH5 | 2505MHz~10000MHz | -50.35 | Pass |
| DQPSK | 2480 | 2DH5 | Band Edge | -58.47 | Pass |

TEST REPORT

| | | | | | |
|-------|------|------|-------------------|--------|------|
| 8DPSK | 2402 | 3DH5 | 0.009MHz~2380MHz | -58.34 | Pass |
| 8DPSK | 2402 | 3DH5 | 10000MHz~25000MHz | -51.33 | Pass |
| 8DPSK | 2402 | 3DH5 | 2410MHz~10000MHz | -49.40 | Pass |
| 8DPSK | 2402 | 3DH5 | Band Edge | -52.43 | Pass |
| 8DPSK | 2441 | 3DH5 | 0.009MHz~2300MHz | -53.84 | Pass |
| 8DPSK | 2441 | 3DH5 | 10000MHz~25000MHz | -51.77 | Pass |
| 8DPSK | 2441 | 3DH5 | 2500MHz~10000MHz | -50.49 | Pass |
| 8DPSK | 2441 | 3DH5 | Band Edge | -59.87 | Pass |
| 8DPSK | 2480 | 3DH5 | 0.009MHz~2475MHz | -57.74 | Pass |
| 8DPSK | 2480 | 3DH5 | 10000MHz~25000MHz | -51.18 | Pass |
| 8DPSK | 2480 | 3DH5 | 2505MHz~10000MHz | -50.83 | Pass |
| 8DPSK | 2480 | 3DH5 | Band Edge | -58.85 | Pass |



GFSK,2441MHz,DH5,Plot 3,2500MHz~10000 MHz



GFSK,2441MHz,DH5,Plot 4,10000MHz~25000 MHz



GFSK,2480MHz,DH5,Plot 1,Band Edge



GFSK,2480MHz,DH5,Plot 2,0.009MHz~2475 MHz

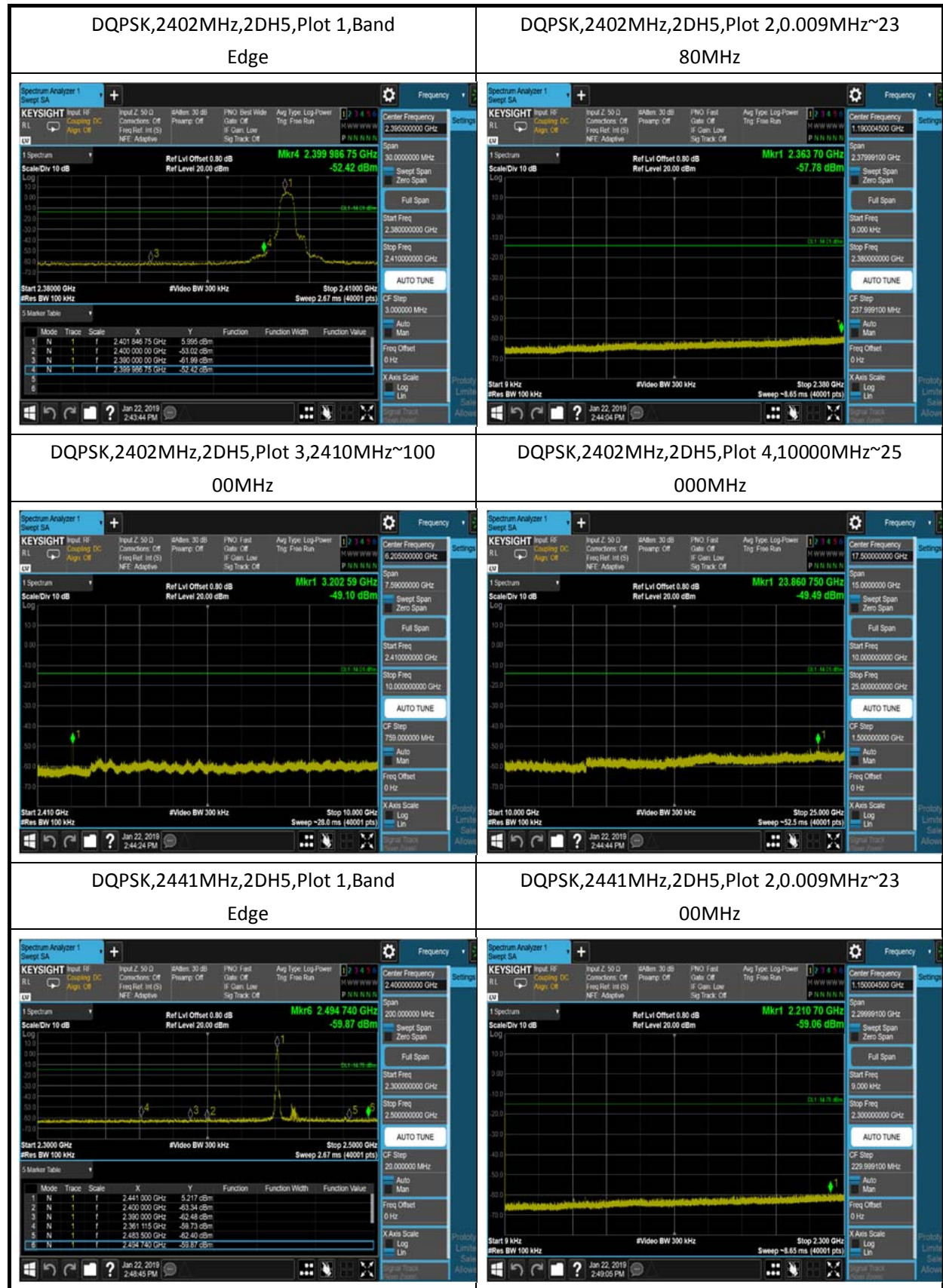


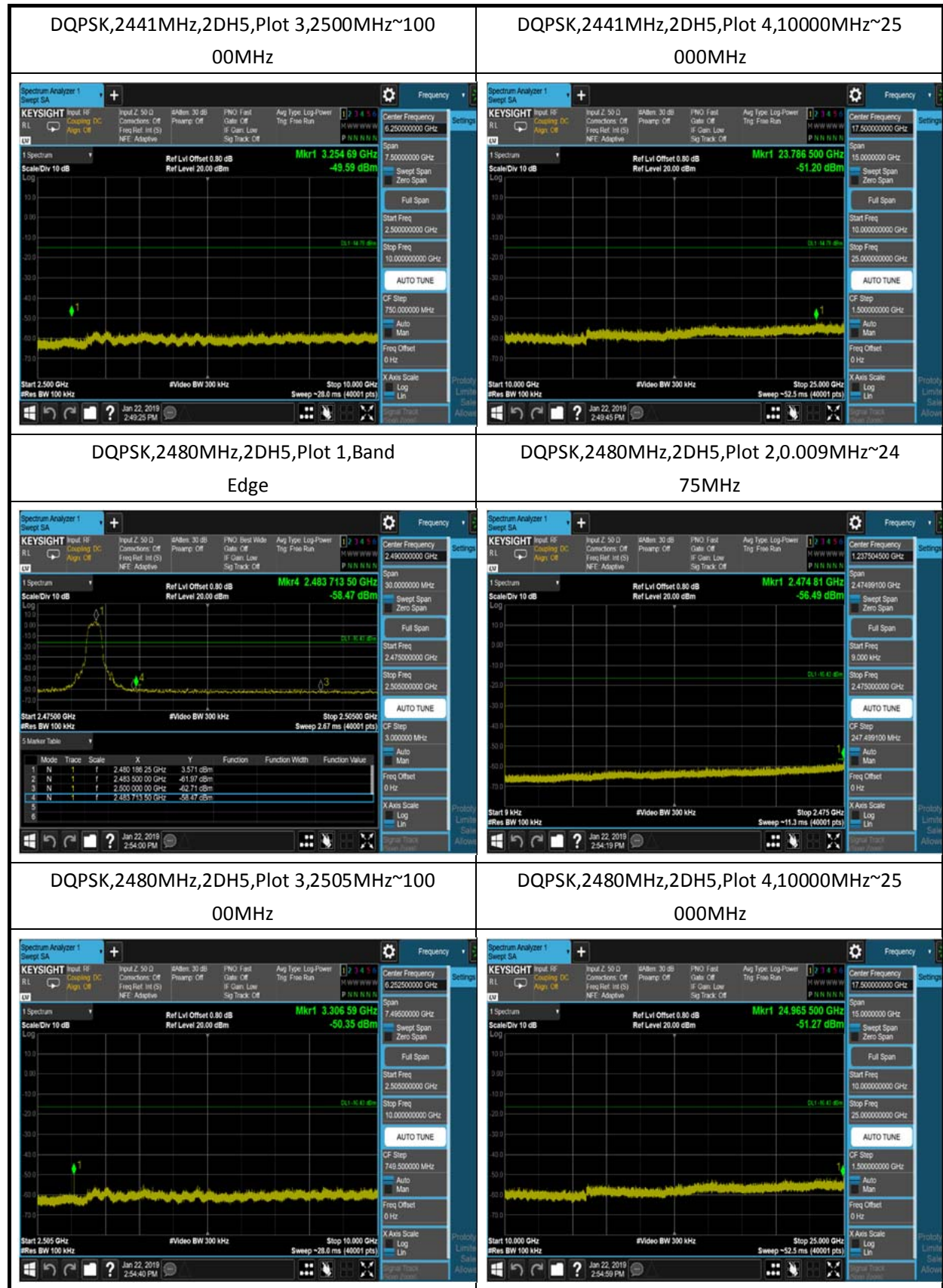
GFSK,2480MHz,DH5,Plot 3,2505MHz~10000 MHz

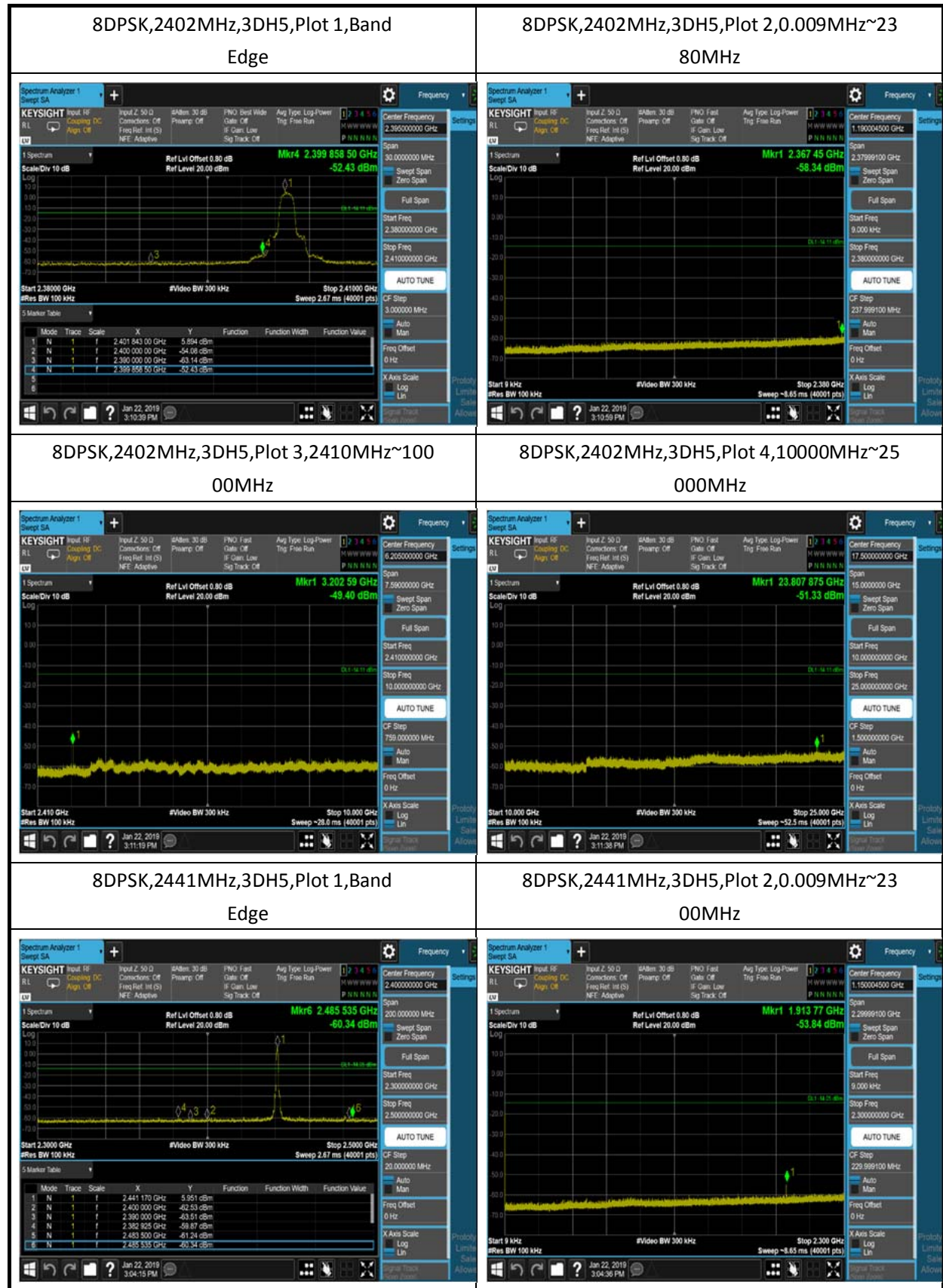


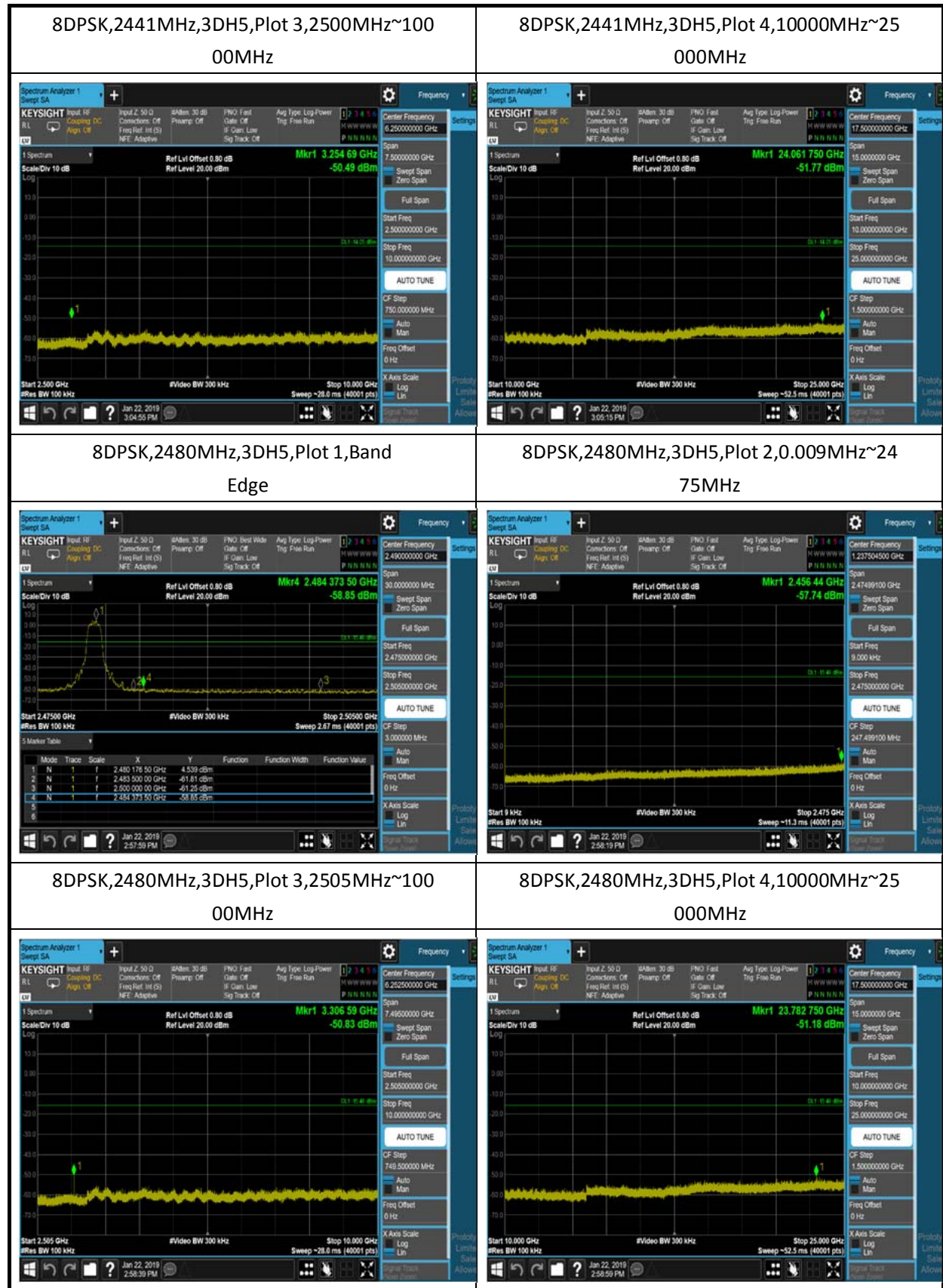
GFSK,2480MHz,DH5,Plot 4,10000MHz~25000 MHz







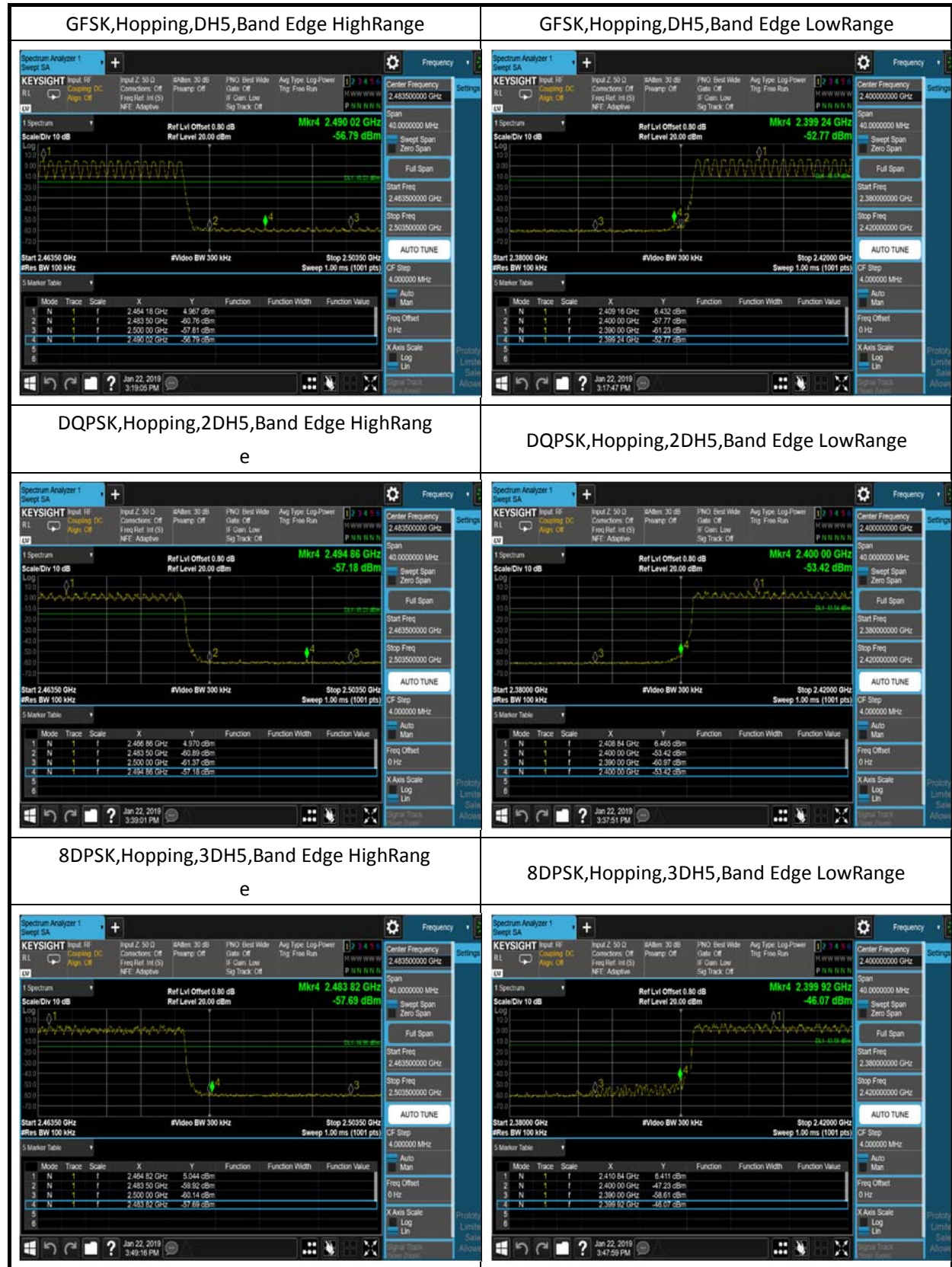




5. Frequency Band Edge

5.1 Test Result and Data

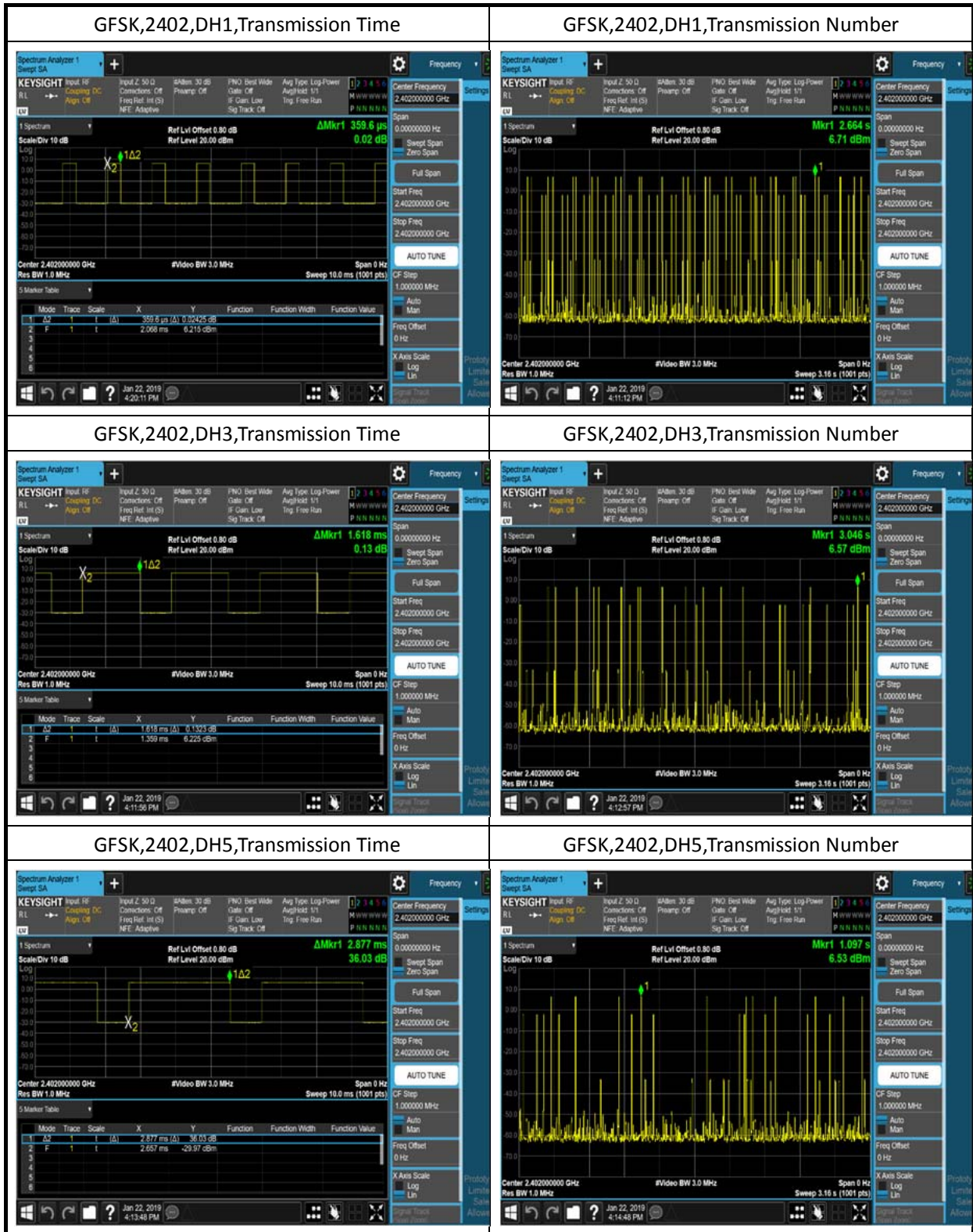
| BT Frequency Band Edges-Conducted | | | | | | |
|-----------------------------------|------------------|-------------|--------------|-----------------|---------|--------|
| Mode | Test Range (MHz) | Packet Type | Hopping Mode | Band Edge (dBm) | Limit | Result |
| GFSK | 2380~2420 | DH5 | Hopping On | -52.77 | -13.568 | Pass |
| GFSK | 2463.5~2503.5 | DH5 | Hopping On | -56.79 | -15.033 | Pass |
| DQPSK | 2380~2420 | 2DH5 | Hopping On | -53.42 | -13.535 | Pass |
| DQPSK | 2463.5~2503.5 | 2DH5 | Hopping On | -57.18 | -15.03 | Pass |
| 8DPSK | 2380~2420 | 3DH5 | Hopping On | -46.07 | -13.589 | Pass |
| 8DPSK | 2463.5~2503.5 | 3DH5 | Hopping On | -57.69 | -14.956 | Pass |



6. Dwell Time

6.1 Test Result and Data

| BT Dwell Time | | | | | | |
|---------------|----------------------|-------------|------------------------|--------|-----------------|--------|
| Mode | Test Frequency (MHz) | Packet Type | Transmission Time (ms) | Number | Dwell Time (ms) | Result |
| GFSK | 2402 | DH1 | 0.360 | 320 | 115.20 | Pass |
| GFSK | 2402 | DH3 | 1.618 | 160 | 258.94 | Pass |
| GFSK | 2402 | DH5 | 2.877 | 110 | 316.48 | Pass |



7. Carrier Frequency Separation

7.1 Test Result and Data

| BT Carrier Frequency Separation | | | | | |
|---------------------------------|----------------------|-------------|---------------------|------------------|--------|
| Mode | Test Frequency (MHz) | Packet Type | Range | Separation (kHz) | Result |
| GFSK | Hopping | DH5 | 2401.5MHz~2403.5MHz | 663 | Pass |
| GFSK | Hopping | DH5 | 2440.5MHz~2442.5MHz | 1003 | Pass |
| GFSK | Hopping | DH5 | 2478.5MHz~2480.5MHz | 1009 | Pass |
| DQPSK | Hopping | 2DH5 | 2401.5MHz~2403.5MHz | 689 | Pass |
| DQPSK | Hopping | 2DH5 | 2440.5MHz~2442.5MHz | 1009 | Pass |
| DQPSK | Hopping | 2DH5 | 2478.5MHz~2480.5MHz | 985 | Pass |
| 8DPSK | Hopping | 3DH5 | 2401.5MHz~2403.5MHz | 685 | Pass |
| 8DPSK | Hopping | 3DH5 | 2440.5MHz~2442.5MHz | 997 | Pass |
| 8DPSK | Hopping | 3DH5 | 2478.5MHz~2480.5MHz | 1335 | Pass |



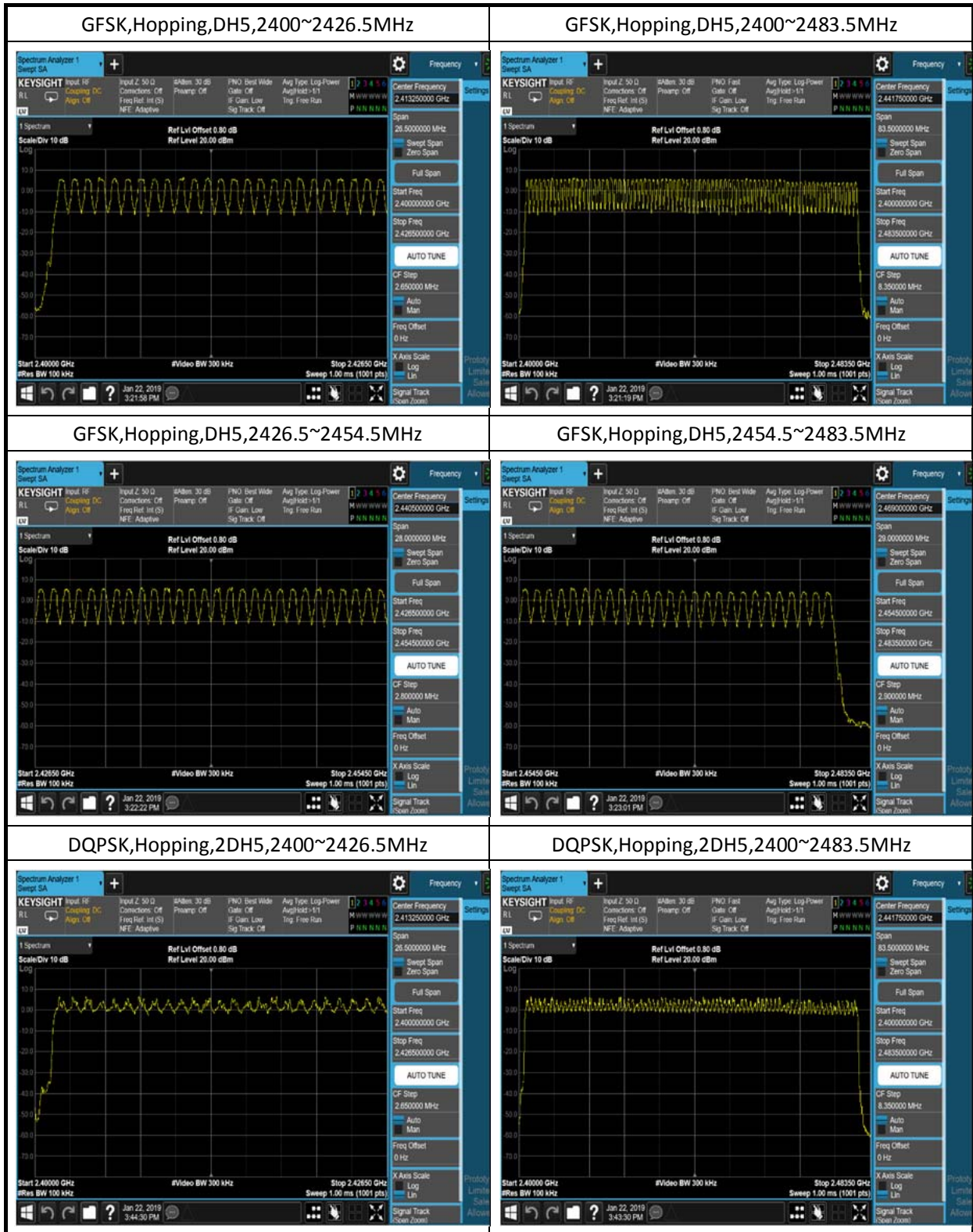
TEST REPORT

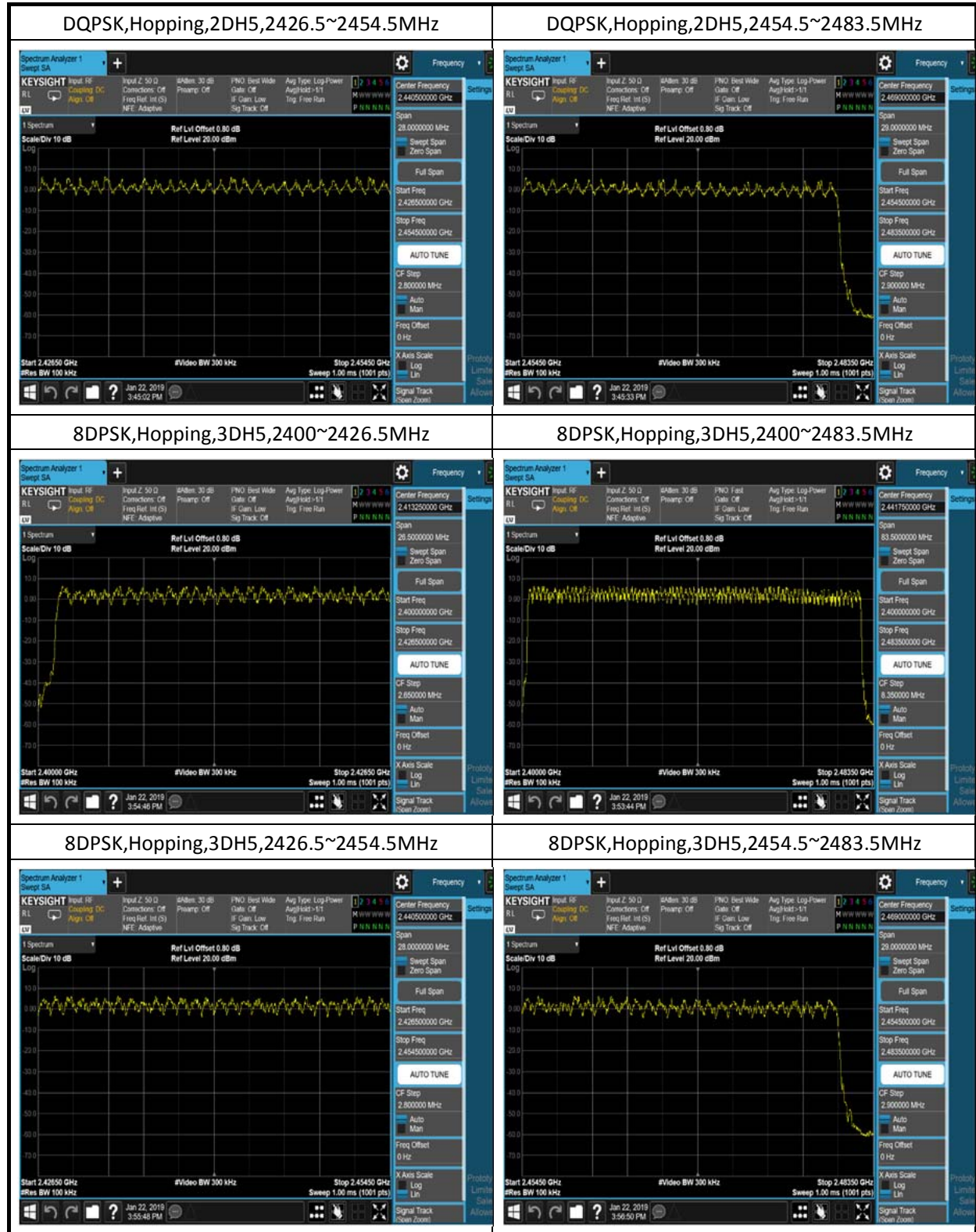


8. Hopping Channel Numbers

8.1 Test Result and Data

| BT Number Of Hopping Channels | | | | |
|-------------------------------|----------------|-------------|-------------------|--------|
| Mode | Test Frequency | Packet Type | Test Range | Result |
| GFSK | Hopping | DH5 | 2400MHz~2483.5MHz | Pass |
| DQPSK | Hopping | 2DH5 | 2400MHz~2483.5MHz | Pass |
| 8DPSK | Hopping | 3DH5 | 2400MHz~2483.5MHz | Pass |





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