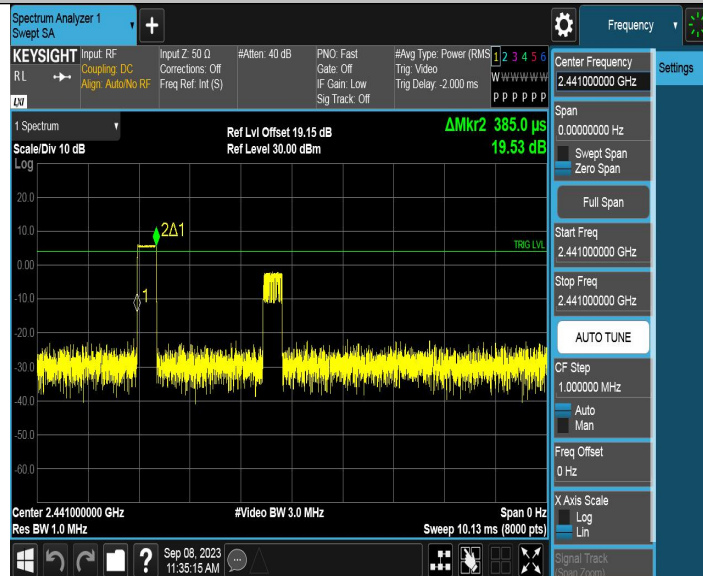
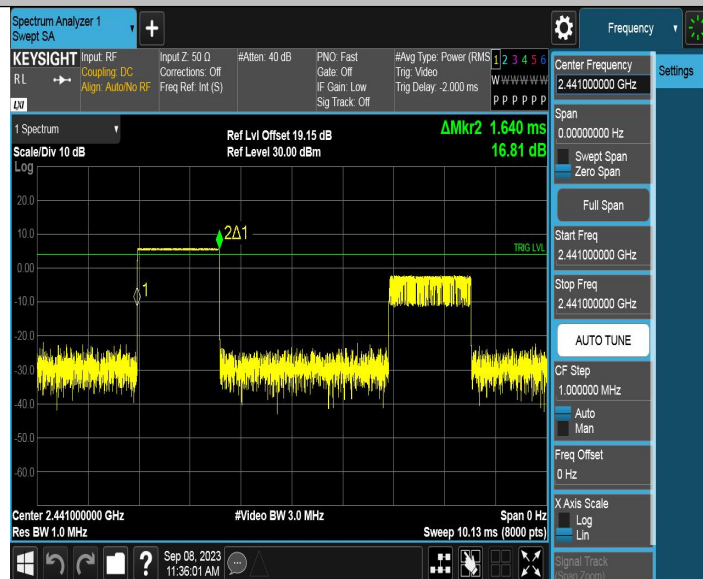


DH1_Ant1_Hopping



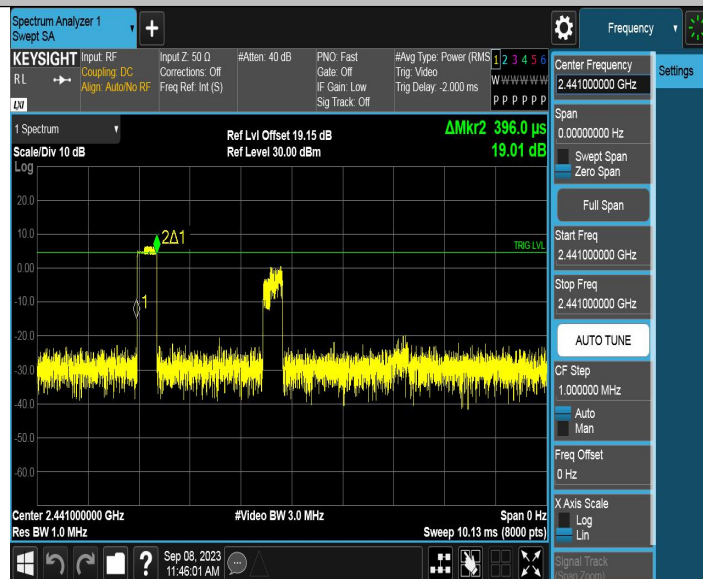
DH3_Ant1_Hopping



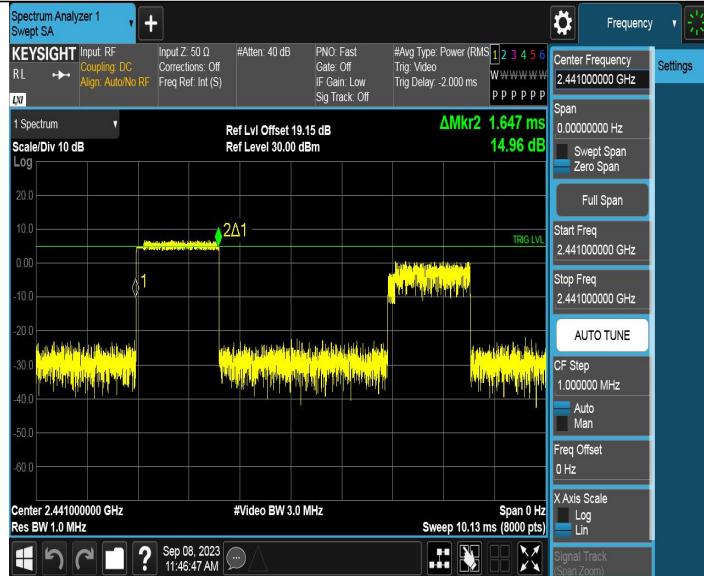
DH5_Ant1_Hopping



2DH1_Ant1_Hopping



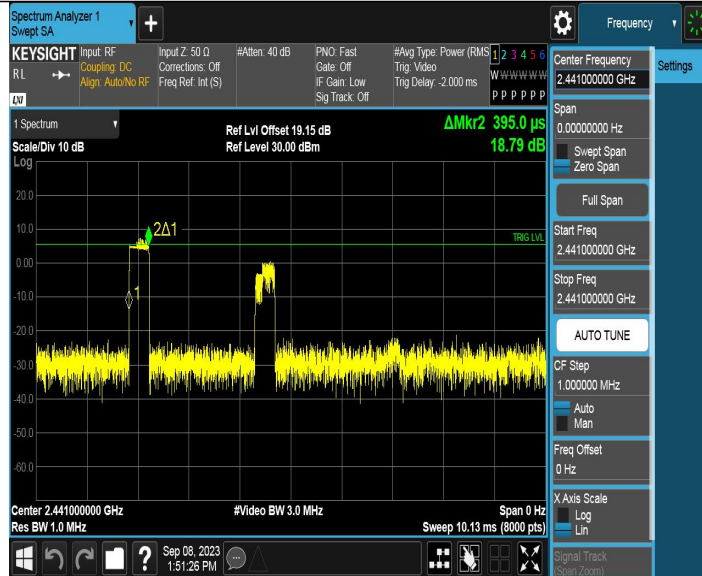
2DH3_Ant1_Hopping



2DH5_Ant1_Hopping

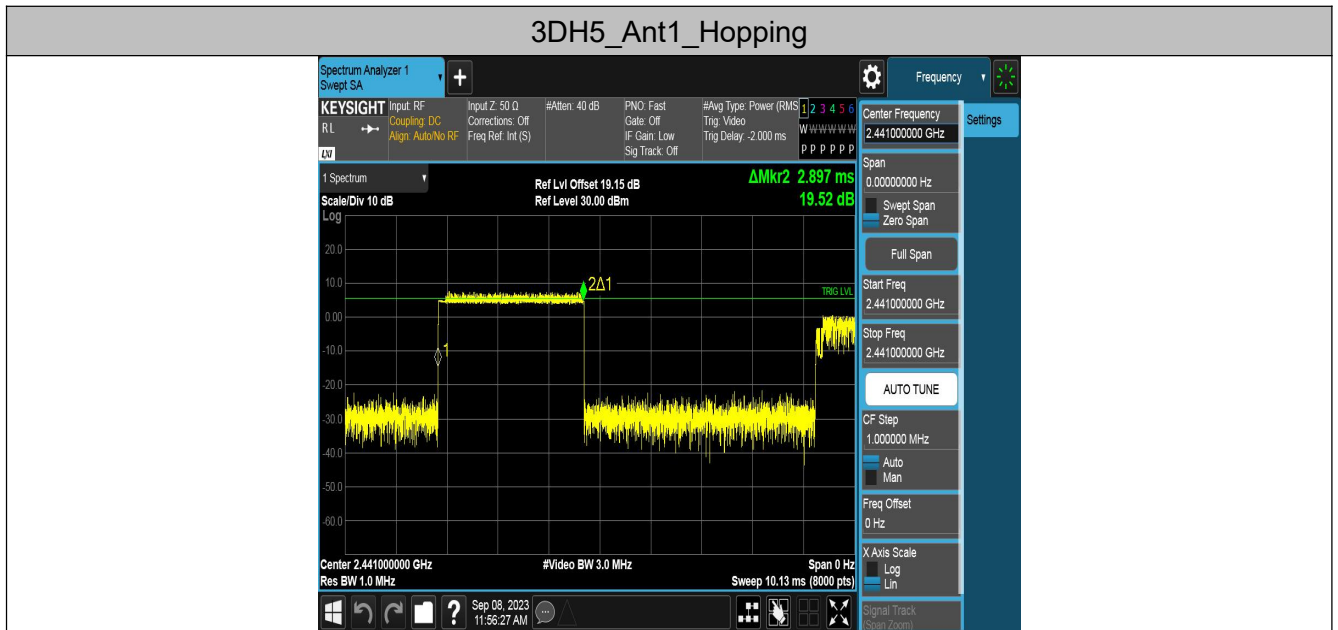


3DH1_Ant1_Hopping



3DH3_Ant1_Hopping





7.7. Band-edge Compliance Measurement

7.7.1. Test Limit

The maximum permissible emission level is 20dBc. Any emissions were lying outside of the emission bandwidth and in authorized band edges to a field strength limit specified in Section 15.209 of the Title 47 CFR.

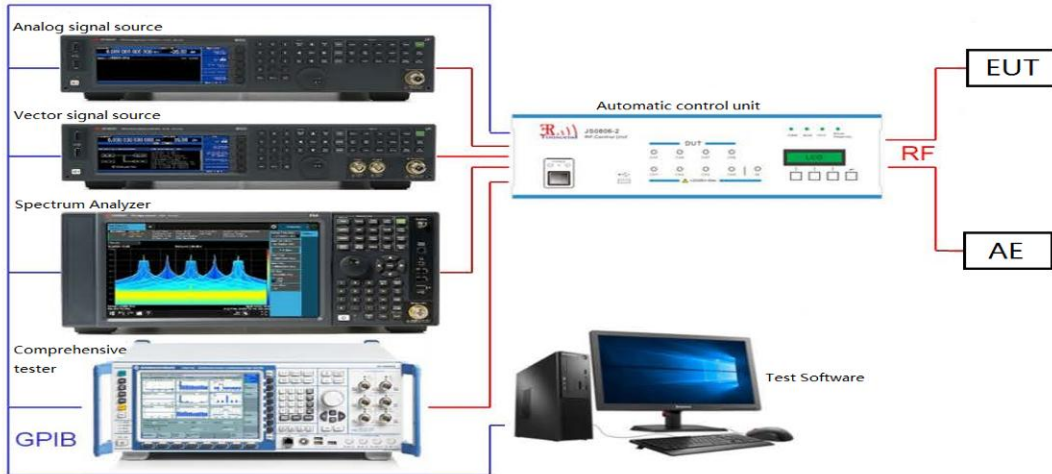
7.7.2. Test Procedure Used

ANSI C63.10-2013 - Section 6.10.4

7.7.3. Test Setting

1. Span = wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products which fall outside of the authorized band of operation.
2. RBW = 100kHz
3. VBW = 300kHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize
8. Allow the trace to stabilize. Set the marker on the emission at the band edge, or on the highest modulation product outside of the band, if this level is greater than that at the band edge. Enable the marker-delta function, then use the marker-to-peak function to move the marker to the peak of the in-band emission.

7.7.4. Test Setup



7.7.5. Test Result

| Test Mode | Antenna | Channel Name | Channel/Frequency [MHz] | Ref Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------------|-------------------------|-----------------|--------------|-------------|---------|
| DH5 | Ant1 | Low | 2402 | 5.67 | -52.16 | ≤-14.34 | PASS |
| | | High | 2480 | 5.10 | -50.97 | ≤-14.91 | PASS |
| | | Low | Hop_2402 | 4.97 | -40.35 | ≤-15.04 | PASS |
| | | High | Hop_2480 | 4.82 | -39.38 | ≤-15.18 | PASS |
| 2DH5 | Ant1 | Low | 2402 | 4.43 | -48.82 | ≤-15.58 | PASS |
| | | High | 2480 | 4.04 | -51.67 | ≤-15.97 | PASS |
| | | Low | Hop_2402 | 2.61 | -40.00 | ≤-17.39 | PASS |
| | | High | Hop_2480 | 3.47 | -39.14 | ≤-16.53 | PASS |
| 3DH5 | Ant1 | Low | 2402 | 4.82 | -46.93 | ≤-15.18 | PASS |
| | | High | 2480 | 4.31 | -51.91 | ≤-15.69 | PASS |
| | | Low | Hop_2402 | 0.95 | -39.87 | ≤-19.05 | PASS |
| | | High | Hop_2480 | 1.78 | -39.53 | ≤-18.22 | PASS |

DH5_Ant1_Low_2402MHz



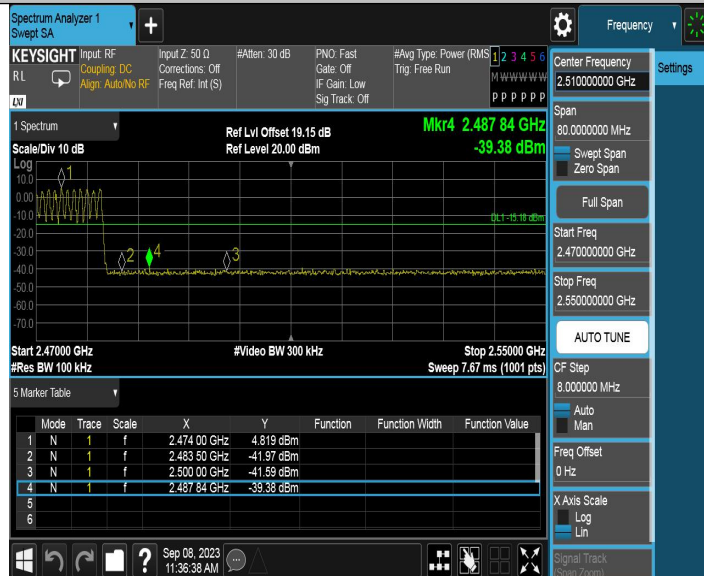
DH5_Ant1_High_2480MHz



DH5_Ant1_Low_Hop_2402MHz



DH5_Ant1_High_Hop_2480MHz



2DH5_Ant1_Low_2402MHz



2DH5_Ant1_High_2480MHz



2DH5_Ant1_Low_Hop_2402MHz



2DH5_Ant1_High_Hop_2480MHz



3DH5_Ant1_Low_2402MHz



3DH5_Ant1_High_2480MHz



3DH5_Ant1_Low_Hop_2402MHz



3DH5_Ant1_High_Hop_2480MHz



7.8. Conducted Spurious Emissions Measurement

7.8.1. Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

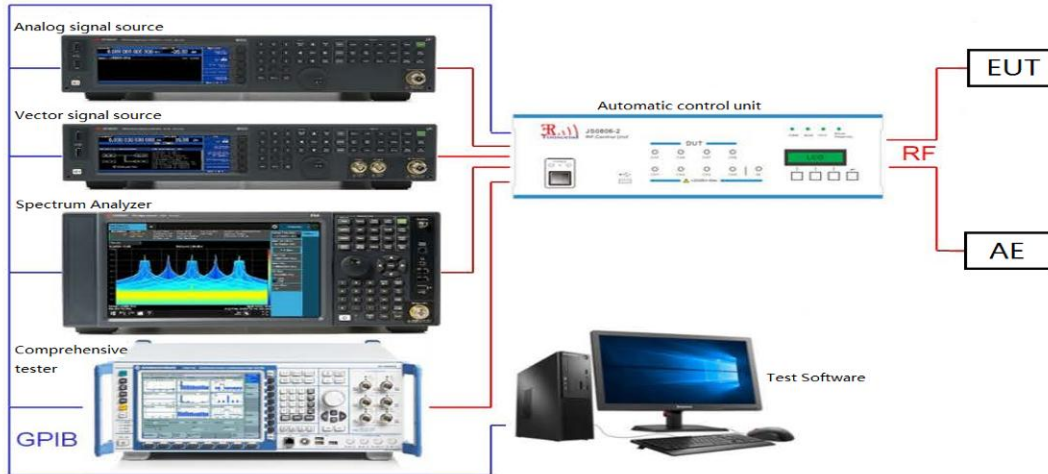
7.8.2. Test Procedure Used

ANSI C63.10-2013 - Section 7.8.8

7.8.3. Test Setting

1. Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic.
Typically, several plots are required to cover this entire span.
2. RBW = 100 KHz
3. VBW \geq RBW
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize
8. Set the marker on the peak of any spurious emission recorded. The level displayed must comply with the limit specified in this section.

7.8.4. Test Setup



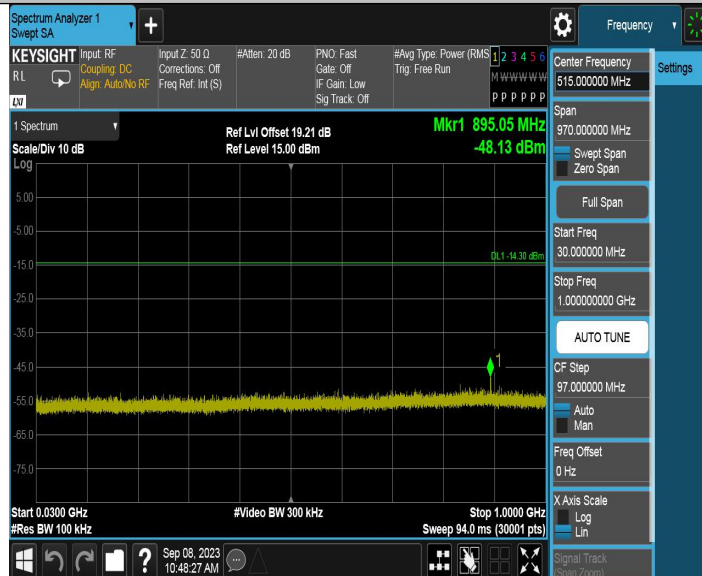
7.8.5. Test Result

| Test Mode | Antenna | Frequency [MHz] | Frequency Range [MHz] | Ref Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|-----------------|-----------------------|-----------------|--------------|-------------|---------|
| DH5 | Ant1 | 2402 | Reference | 5.70 | 5.70 | --- | PASS |
| | | | 30~1000 | 5.70 | -48.13 | ≤-14.3 | PASS |
| | | | 1000~26500 | 5.70 | -42.39 | ≤-14.3 | PASS |
| | | 2441 | Reference | 5.75 | 5.75 | --- | PASS |
| | | | 30~1000 | 5.75 | -43.14 | ≤-14.25 | PASS |
| | | | 1000~26500 | 5.75 | -41.67 | ≤-14.25 | PASS |
| | | 2480 | Reference | 5.16 | 5.16 | --- | PASS |
| | | | 30~1000 | 5.16 | -30.94 | ≤-14.84 | PASS |
| | | | 1000~26500 | 5.16 | -41.94 | ≤-14.84 | PASS |
| 2DH5 | Ant1 | 2402 | Reference | 4.66 | 4.66 | --- | PASS |
| | | | 30~1000 | 4.66 | -50.78 | ≤-15.34 | PASS |
| | | | 1000~26500 | 4.66 | -41.35 | ≤-15.34 | PASS |
| | | 2441 | Reference | 4.74 | 4.74 | --- | PASS |
| | | | 30~1000 | 4.74 | -50.97 | ≤-15.26 | PASS |
| | | | 1000~26500 | 4.74 | -41.65 | ≤-15.26 | PASS |
| | | 2480 | Reference | 4.08 | 4.08 | --- | PASS |
| | | | 30~1000 | 4.08 | -37.54 | ≤-15.92 | PASS |
| | | | 1000~26500 | 4.08 | -36.23 | ≤-15.92 | PASS |
| 3DH5 | Ant1 | 2402 | Reference | 4.83 | 4.83 | --- | PASS |
| | | | 30~1000 | 4.83 | -50.78 | ≤-15.17 | PASS |
| | | | 1000~26500 | 4.83 | -42.13 | ≤-15.17 | PASS |
| | | 2441 | Reference | 4.80 | 4.80 | --- | PASS |
| | | | 30~1000 | 4.80 | -31.75 | ≤-15.2 | PASS |
| | | | 1000~26500 | 4.80 | -35.52 | ≤-15.2 | PASS |
| | | 2480 | Reference | 4.31 | 4.31 | --- | PASS |
| | | | 30~1000 | 4.31 | -36.7 | ≤-15.69 | PASS |
| | | | 1000~26500 | 4.31 | -34.92 | ≤-15.69 | PASS |

DH5_Ant1_2402MHz_0~Reference



DH5_Ant1_2402MHz_30~1000MHz



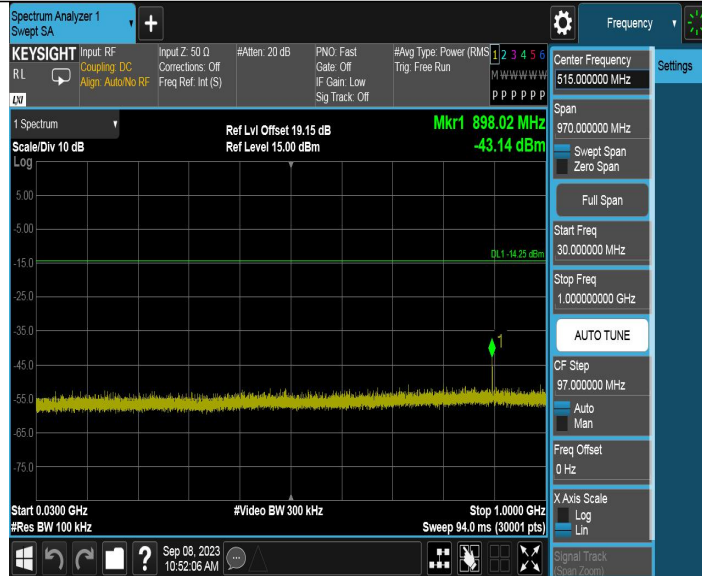
DH5_Ant1_2402MHz_1000~26500MHz



DH5_Ant1_2441MHz_0~Reference



DH5_Ant1_2441MHz_30~1000MHz



DH5_Ant1_2441MHz_1000~26500MHz

