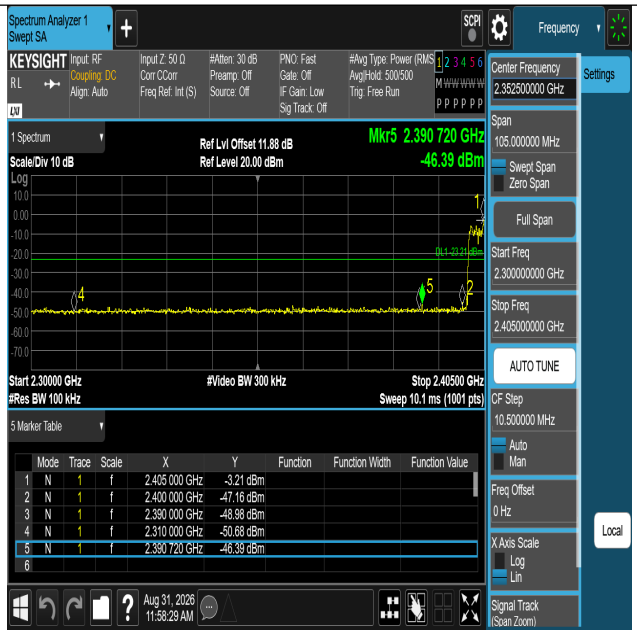
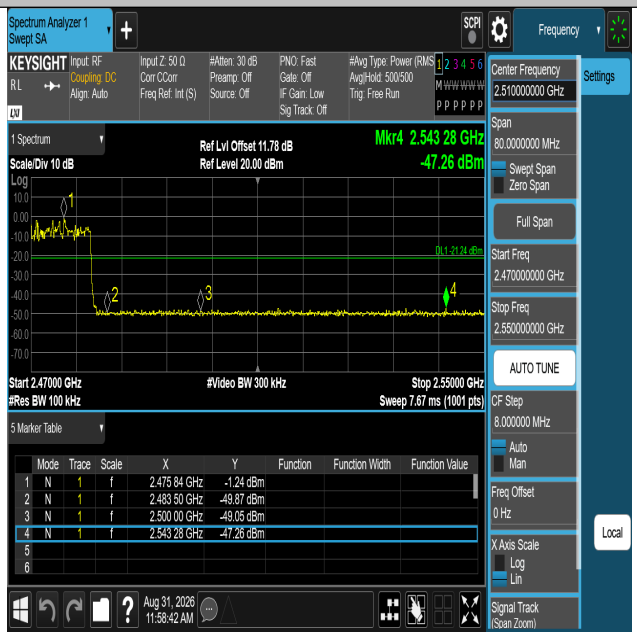
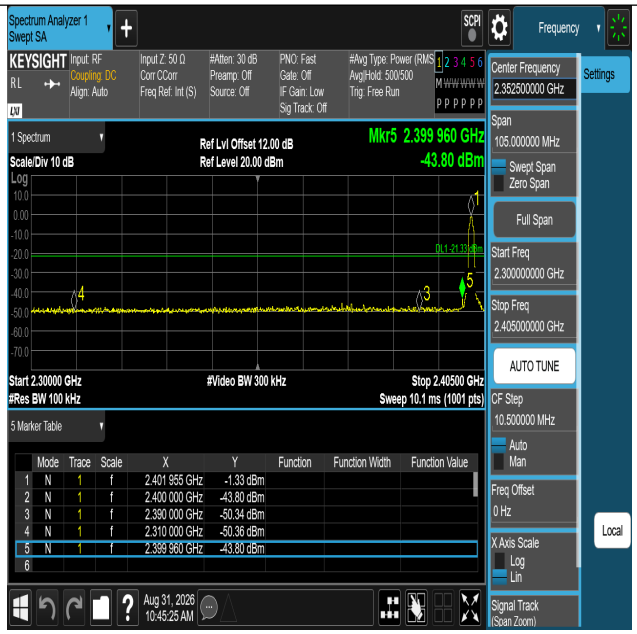


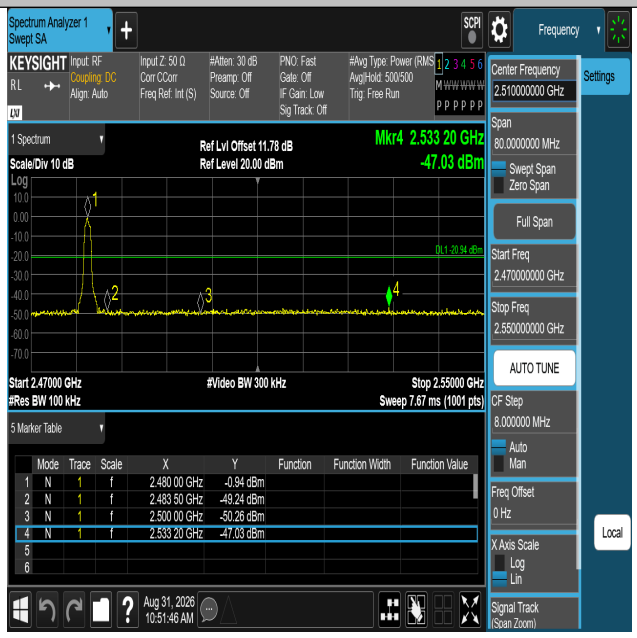

2DH5-Ant1-Hop_2402-PASS



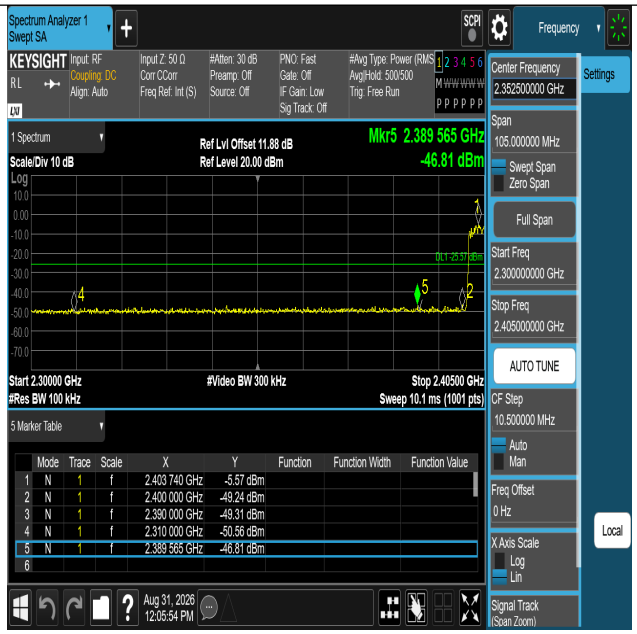

2DH5-Ant1-Hop_2480-PASS



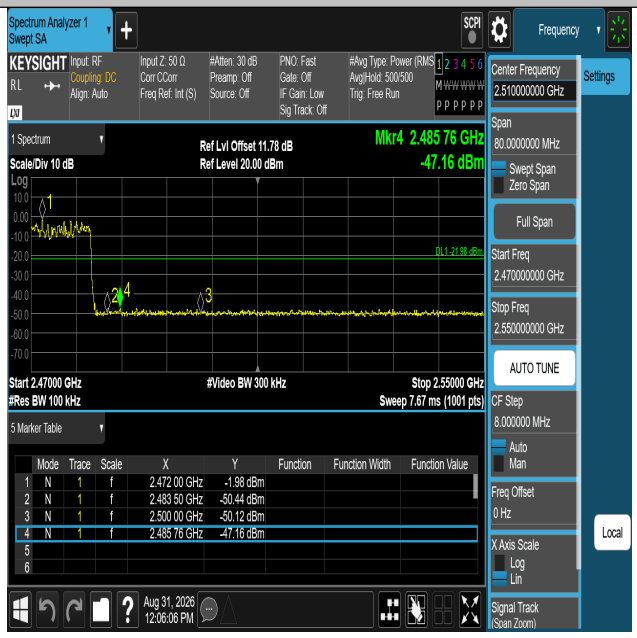

3DH5-Ant1-2402-PASS




3DH5-Ant1-2480-PASS




3DH5-Ant1-Hop_2402-PASS



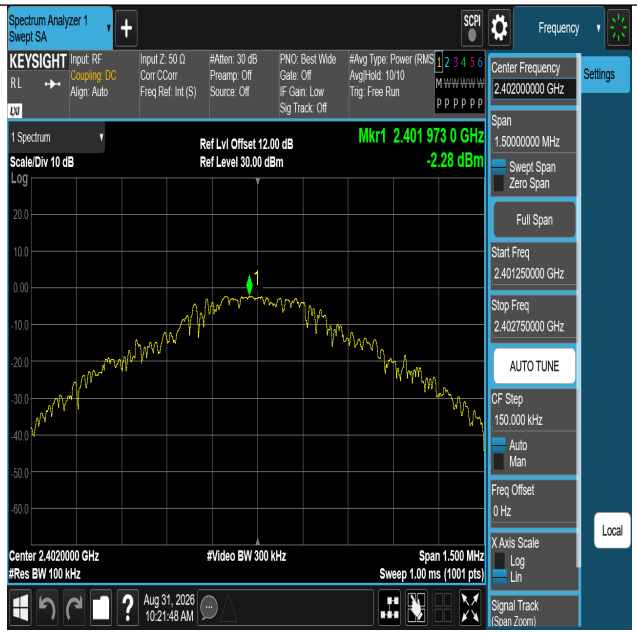

3DH5-Ant1-Hop_2480-PASS

Conducted Emission Method

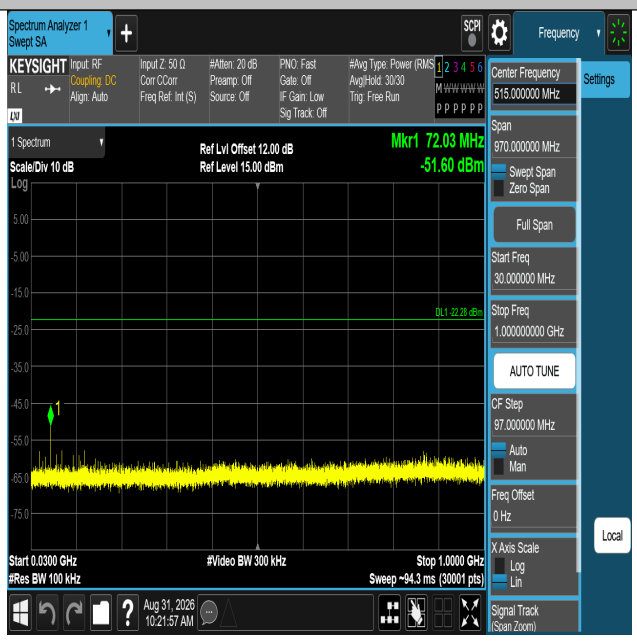
Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|
| DH5 | Ant1 | 2402 | 0~Reference | -2.28 | -2.28 | --- | PASS |
| DH5 | Ant1 | 2402 | 30~1000 | -2.28 | -51.6 | ≤-22.28 | PASS |
| DH5 | Ant1 | 2402 | 1000~26500 | -2.28 | -49.85 | ≤-22.28 | PASS |
| DH5 | Ant1 | 2441 | 0~Reference | -0.87 | -0.87 | --- | PASS |
| DH5 | Ant1 | 2441 | 30~1000 | -0.87 | -51.67 | ≤-20.87 | PASS |
| DH5 | Ant1 | 2441 | 1000~26500 | -0.87 | -49.46 | ≤-20.87 | PASS |
| DH5 | Ant1 | 2480 | 0~Reference | -1.71 | -1.71 | --- | PASS |
| DH5 | Ant1 | 2480 | 30~1000 | -1.71 | -51.73 | ≤-21.71 | PASS |
| DH5 | Ant1 | 2480 | 1000~26500 | -1.71 | -48.3 | ≤-21.71 | PASS |
| 2DH5 | Ant1 | 2402 | 0~Reference | -5.11 | -5.11 | --- | PASS |
| 2DH5 | Ant1 | 2402 | 30~1000 | -5.11 | -52.2 | ≤-25.11 | PASS |
| 2DH5 | Ant1 | 2402 | 1000~26500 | -5.11 | -50.15 | ≤-25.11 | PASS |
| 2DH5 | Ant1 | 2441 | 0~Reference | -1.71 | -1.71 | --- | PASS |
| 2DH5 | Ant1 | 2441 | 30~1000 | -1.71 | -51.49 | ≤-21.71 | PASS |
| 2DH5 | Ant1 | 2441 | 1000~26500 | -1.71 | -50.35 | ≤-21.71 | PASS |
| 2DH5 | Ant1 | 2480 | 0~Reference | -4.15 | -4.15 | --- | PASS |
| 2DH5 | Ant1 | 2480 | 30~1000 | -4.15 | -51.64 | ≤-24.15 | PASS |
| 2DH5 | Ant1 | 2480 | 1000~26500 | -4.15 | -49.69 | ≤-24.15 | PASS |
| 3DH5 | Ant1 | 2402 | 0~Reference | -5.30 | -5.30 | --- | PASS |
| 3DH5 | Ant1 | 2402 | 30~1000 | -5.30 | -51.54 | ≤-25.3 | PASS |
| 3DH5 | Ant1 | 2402 | 1000~26500 | -5.30 | -50.41 | ≤-25.3 | PASS |
| 3DH5 | Ant1 | 2441 | 0~Reference | -2.67 | -2.67 | --- | PASS |
| 3DH5 | Ant1 | 2441 | 30~1000 | -2.67 | -51.87 | ≤-22.67 | PASS |
| 3DH5 | Ant1 | 2441 | 1000~26500 | -2.67 | -50.46 | ≤-22.67 | PASS |
| 3DH5 | Ant1 | 2480 | 0~Reference | -4.97 | -4.97 | --- | PASS |
| 3DH5 | Ant1 | 2480 | 30~1000 | -4.97 | -52.17 | ≤-24.97 | PASS |
| 3DH5 | Ant1 | 2480 | 1000~26500 | -4.97 | -50.53 | ≤-24.97 | PASS |

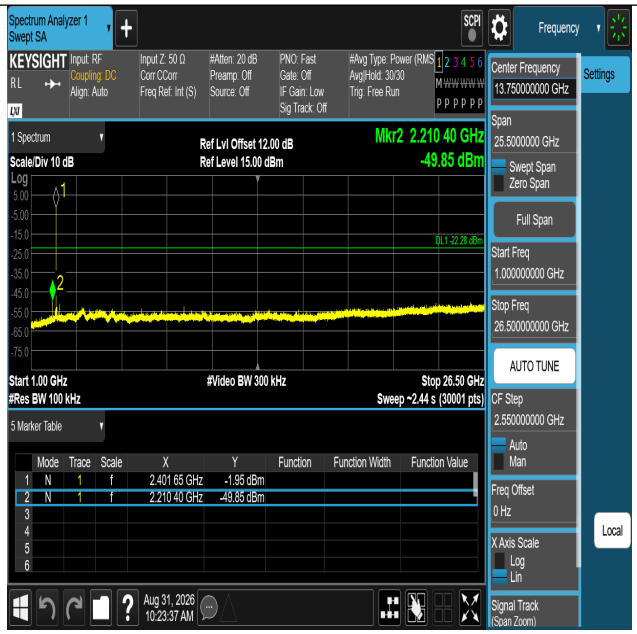
Test Graphs:



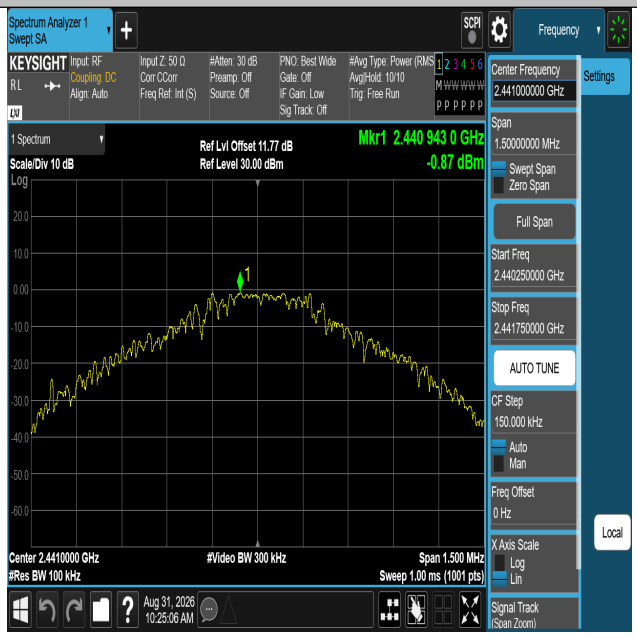

DH5-Ant1-2402-0~Reference-PASS



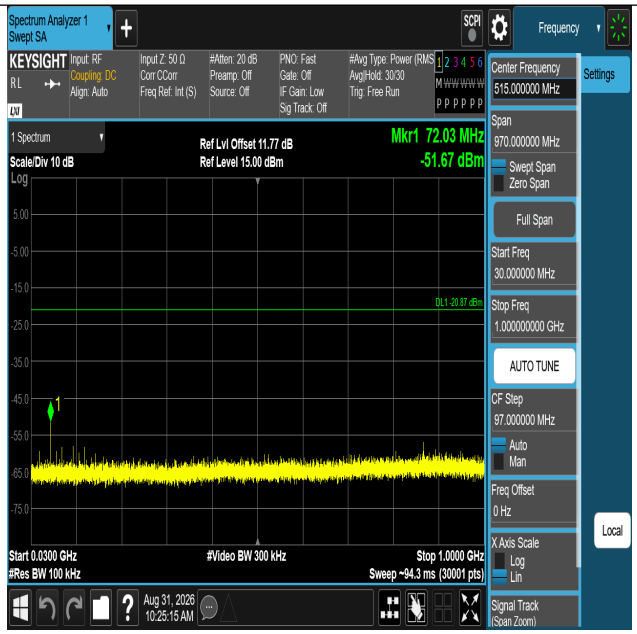

DH5-Ant1-2402-30~1000-PASS



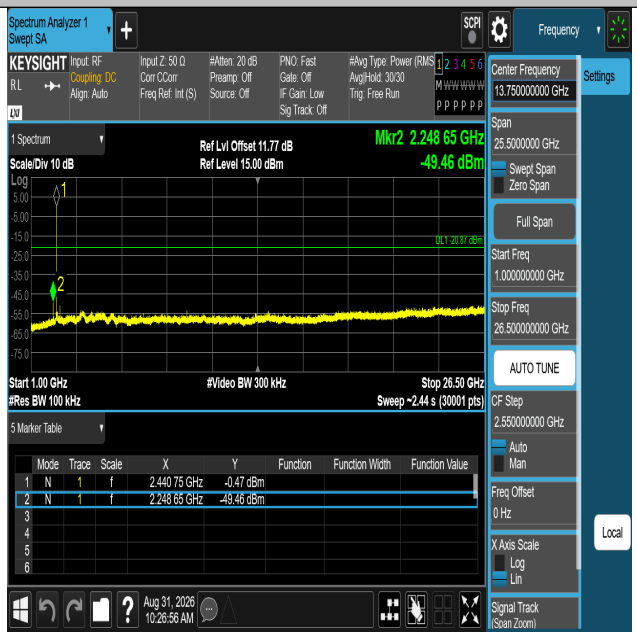

DH5-Ant1-2402-1000~26500-PASS



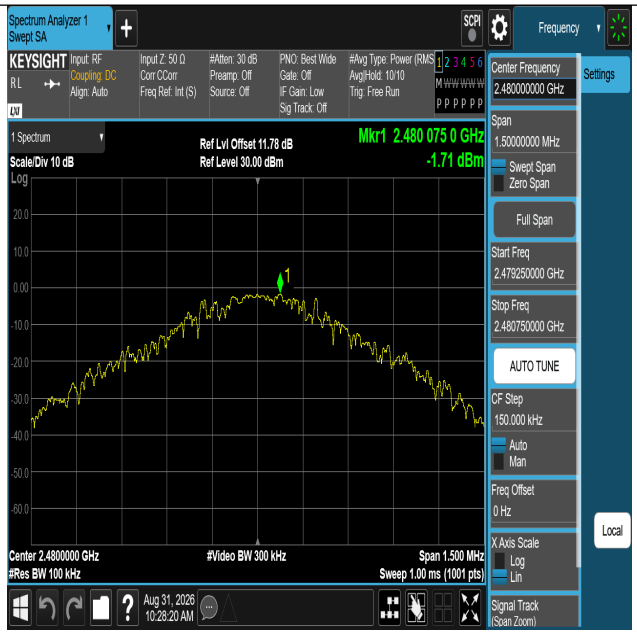

DH5-Ant1-2441-0~Reference-PASS



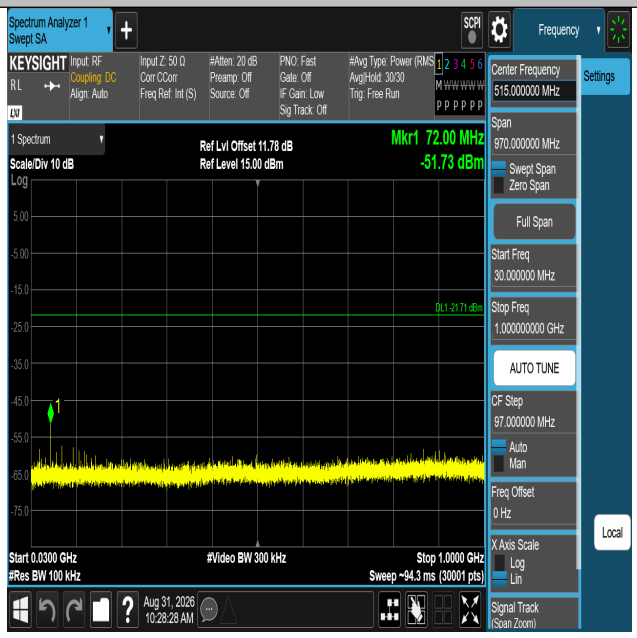

DH5-Ant1-2441-30~1000-PASS



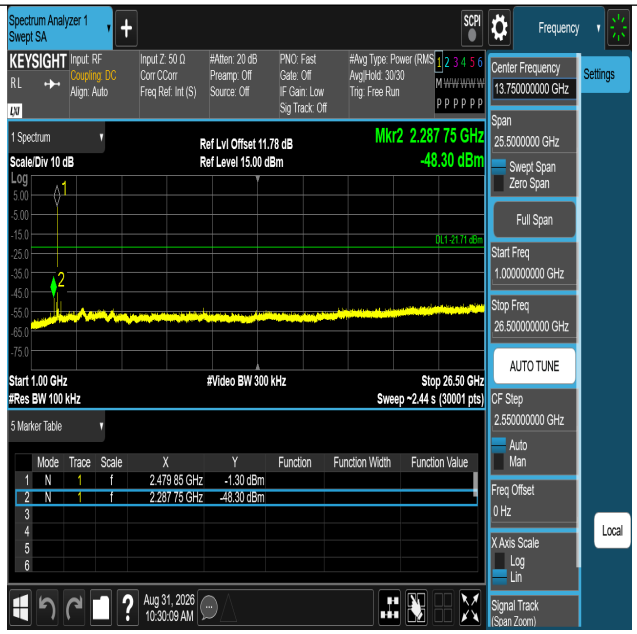

DH5-Ant1-2441-1000~26500-PASS



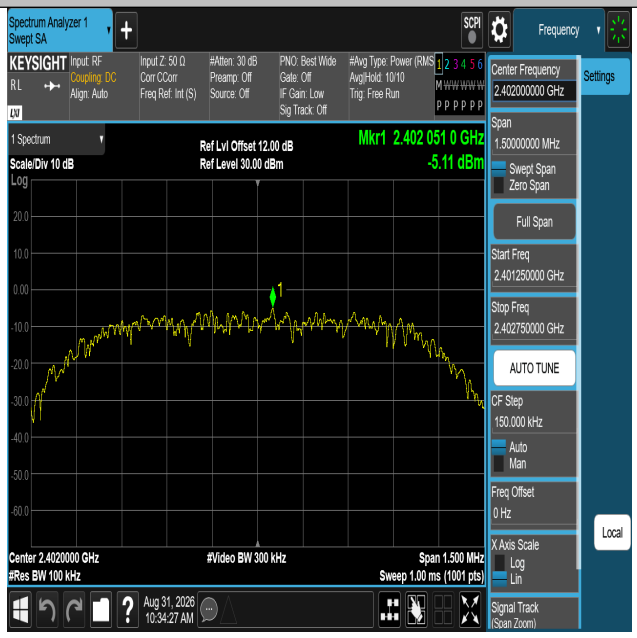

DH5-Ant1-2480-0~Reference-PASS



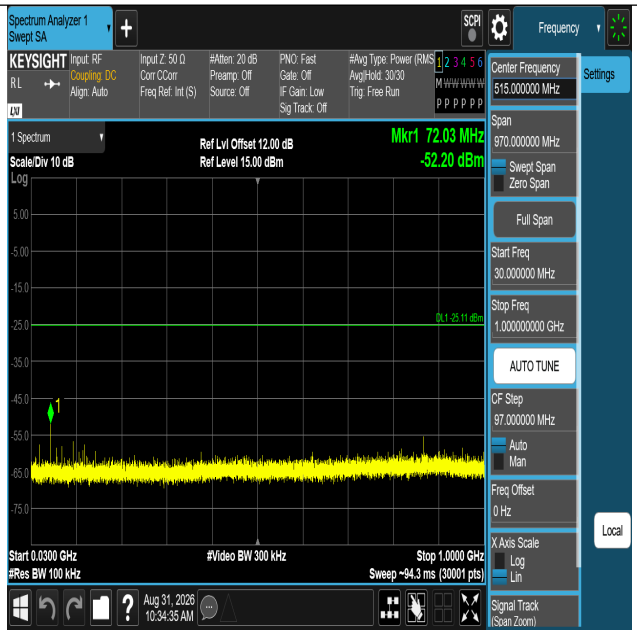

DH5-Ant1-2480-30~1000-PASS



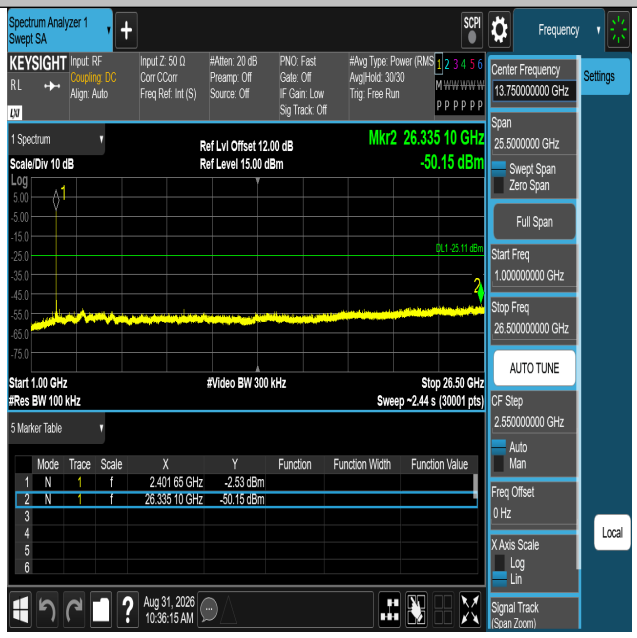

DH5-Ant1-2480-1000~26500-PASS



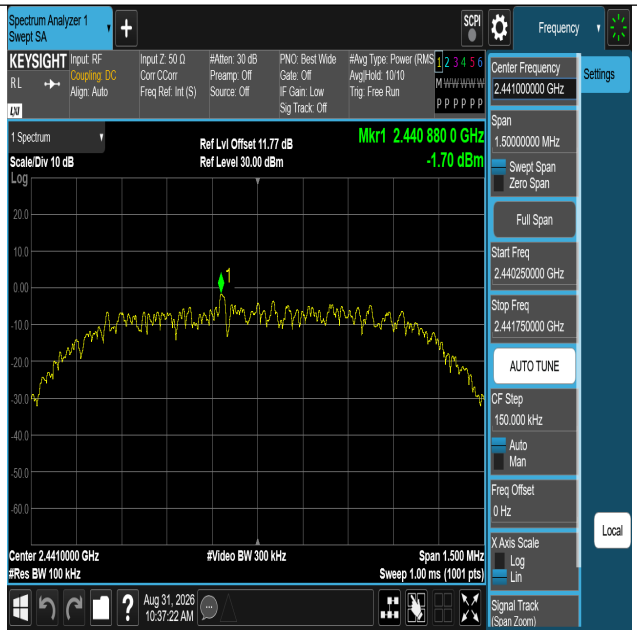

2DH5-Ant1-2402-0~Reference-PASS



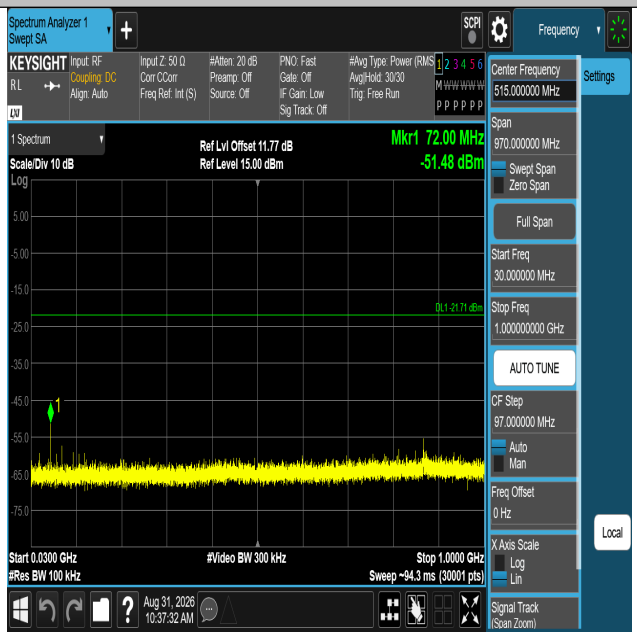

2DH5-Ant1-2402-30~1000-PASS



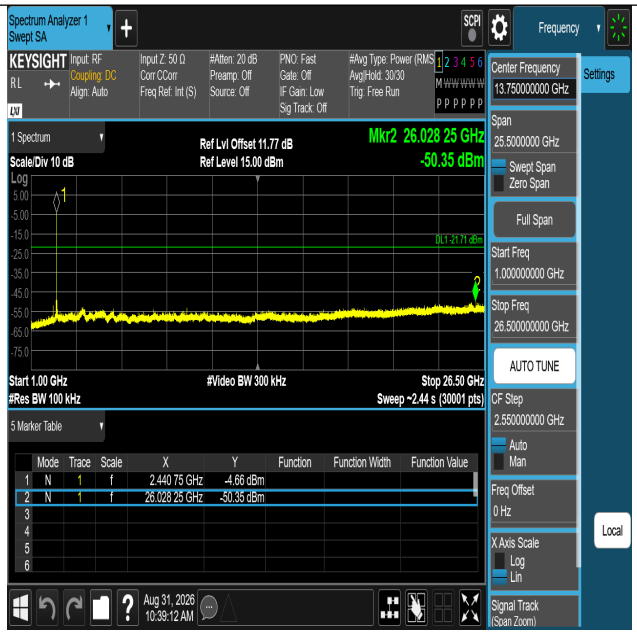

2DH5-Ant1-2402-1000~26500-PASS



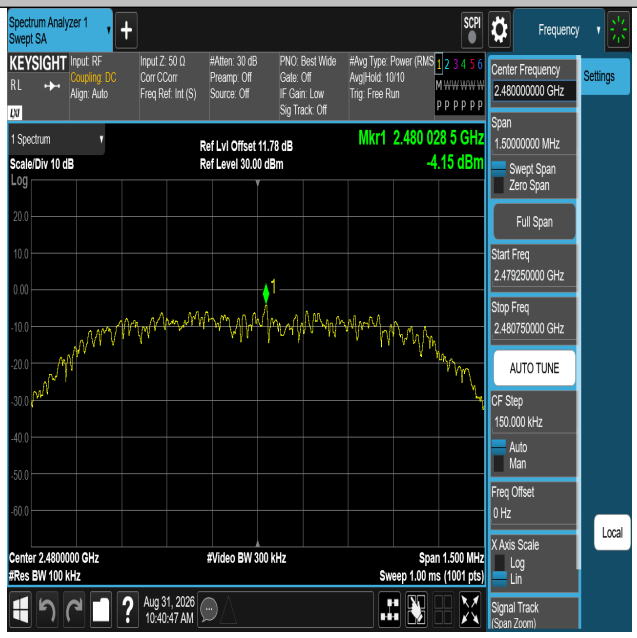

2DH5-Ant1-2441-0~Reference-PASS



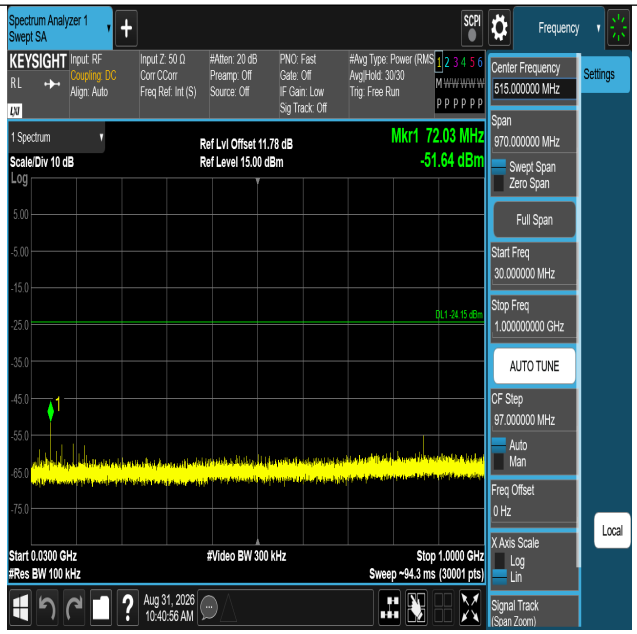

2DH5-Ant1-2441-30~1000-PASS



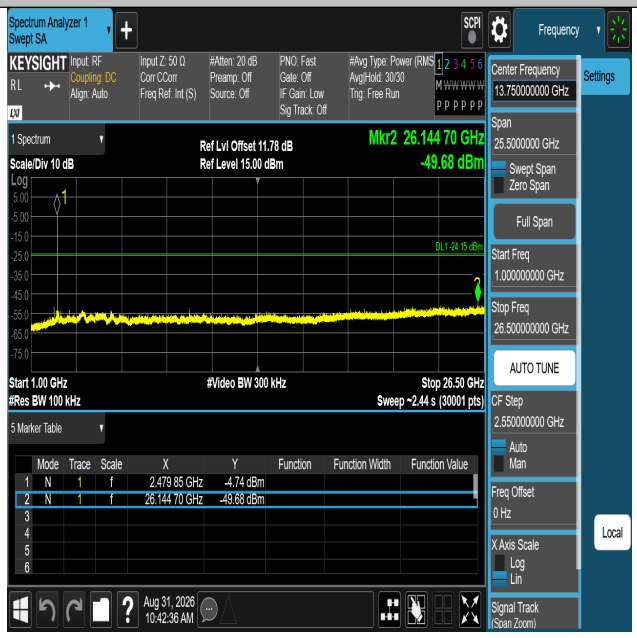

2DH5-Ant1-2441-1000~26500-PASS



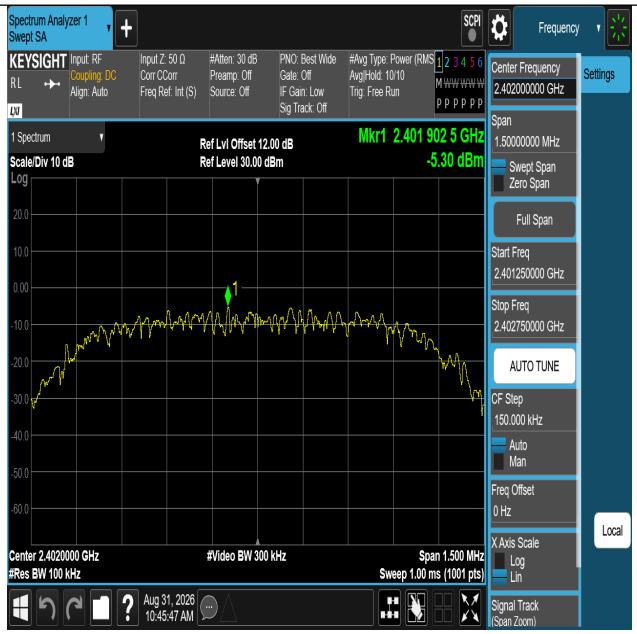

2DH5-Ant1-2480-0~Reference-PASS



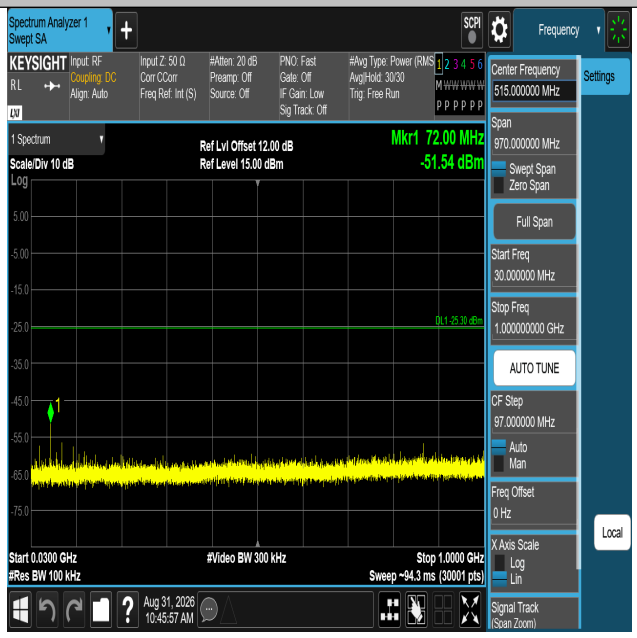

2DH5-Ant1-2480-30~1000-PASS



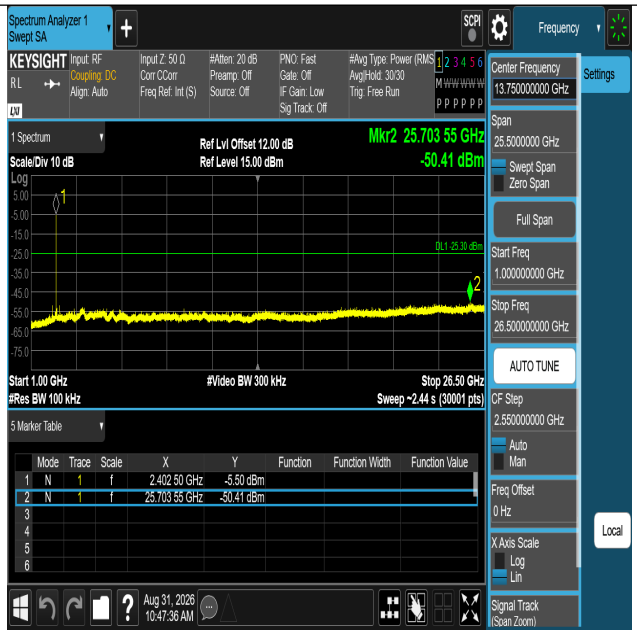

2DH5-Ant1-2480-1000~26500-PASS



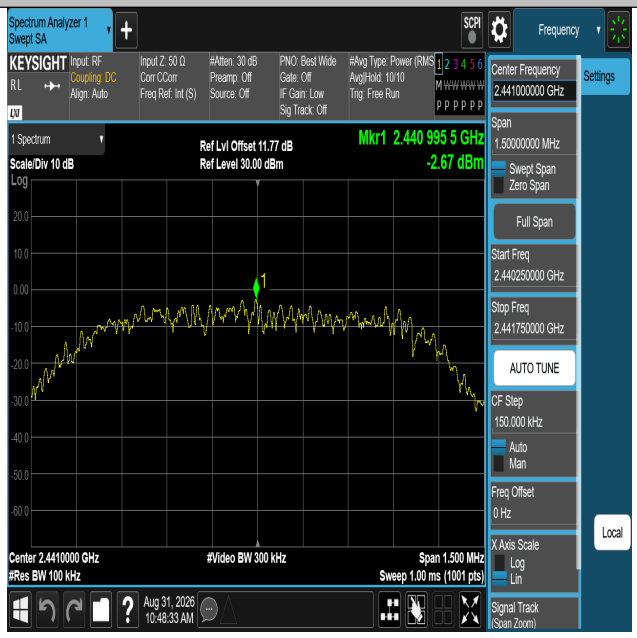

3DH5-Ant1-2402-0~Reference-PASS



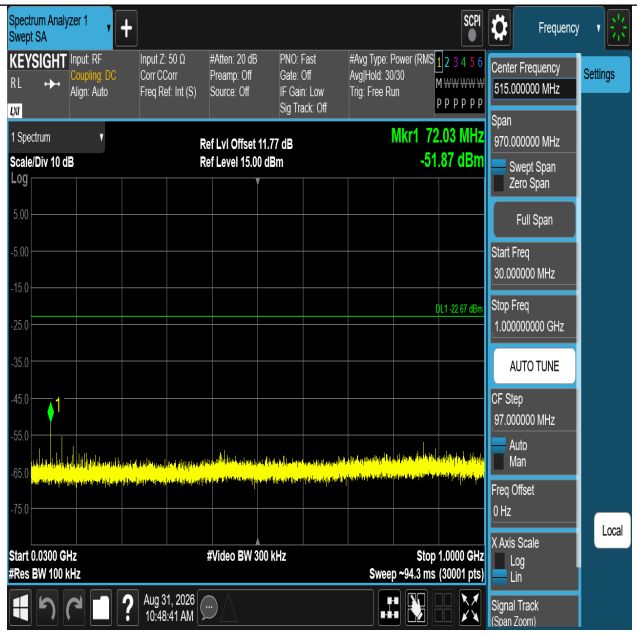

3DH5-Ant1-2402-30~1000-PASS



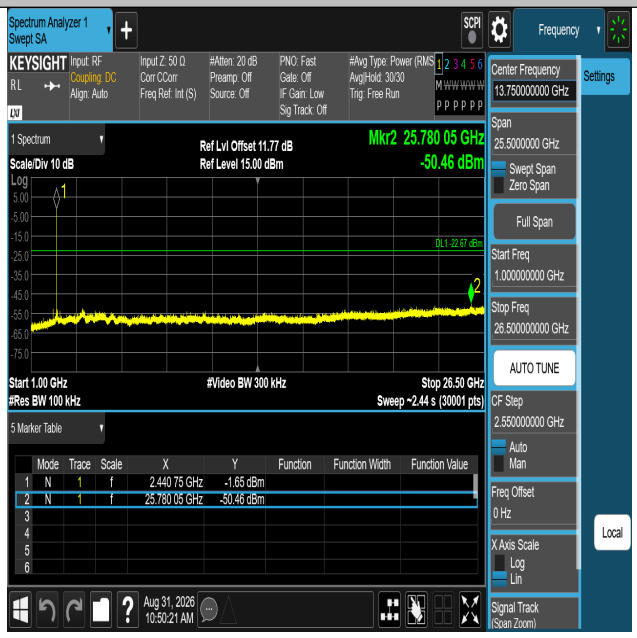

3DH5-Ant1-2402-1000~26500-PASS



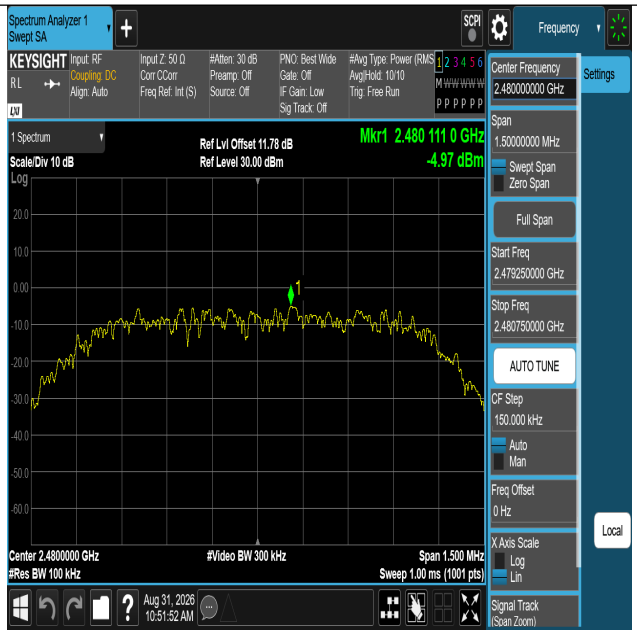

3DH5-Ant1-2441-0~Reference-PASS



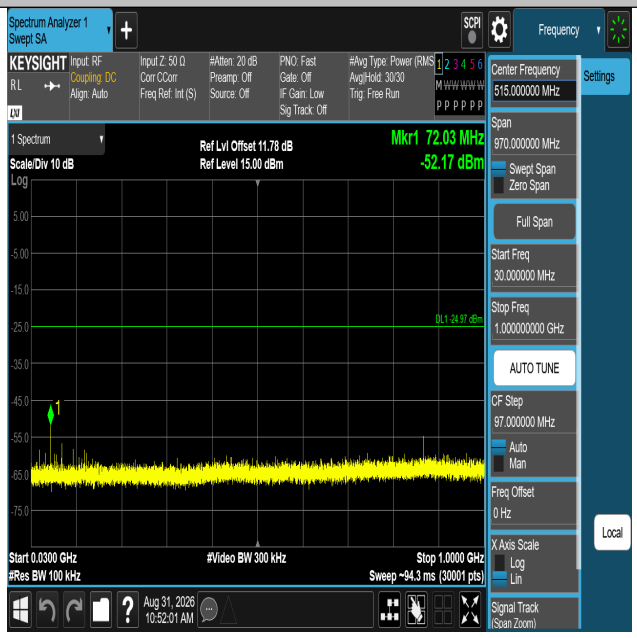

3DH5-Ant1-2441-30~1000-PASS



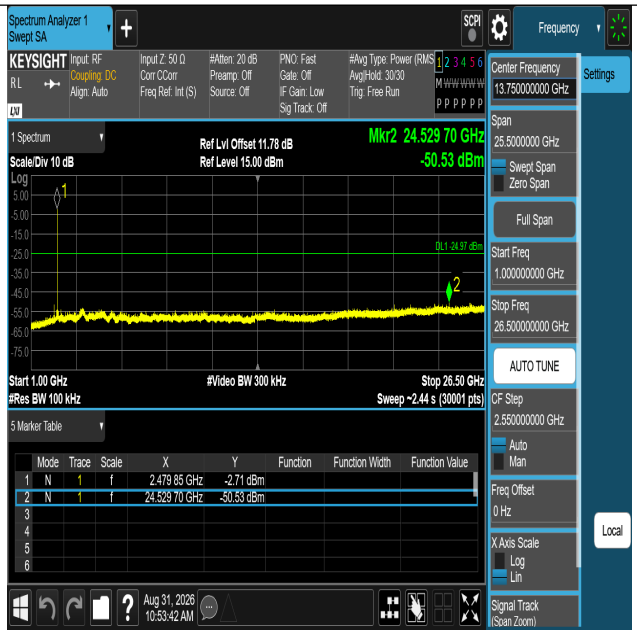

3DH5-Ant1-2441-1000~26500-PASS




3DH5-Ant1-2480-0~Reference-PASS




3DH5-Ant1-2480-30~1000-PASS




3DH5-Ant1-2480-1000~26500-PASS

# 14 Antenna Requirement

## 14.1 Test Standard and Requirement

| | |
|---|---|
| Test Standard | FCC Part15 Section 15.203 /247(c) |
| Requirement | 1) 15.203 requirement:<br><br>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.<br><br>2) 15.247(c) (1)(i) requirement:<br><br>Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. |

## 14.2 Antenna Connected Construction

The antenna is External Antenna which permanently attached, and the best case gain of the antenna is 2.4 dBi. It complies with the standard requirement.

******THE END REPORT******