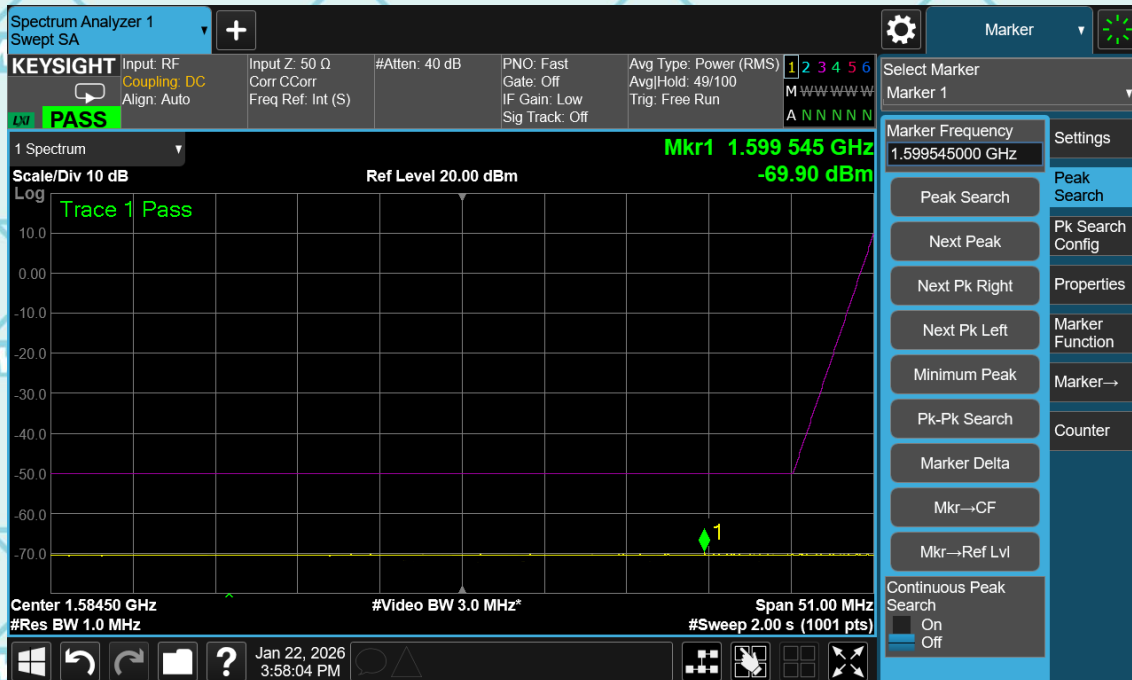
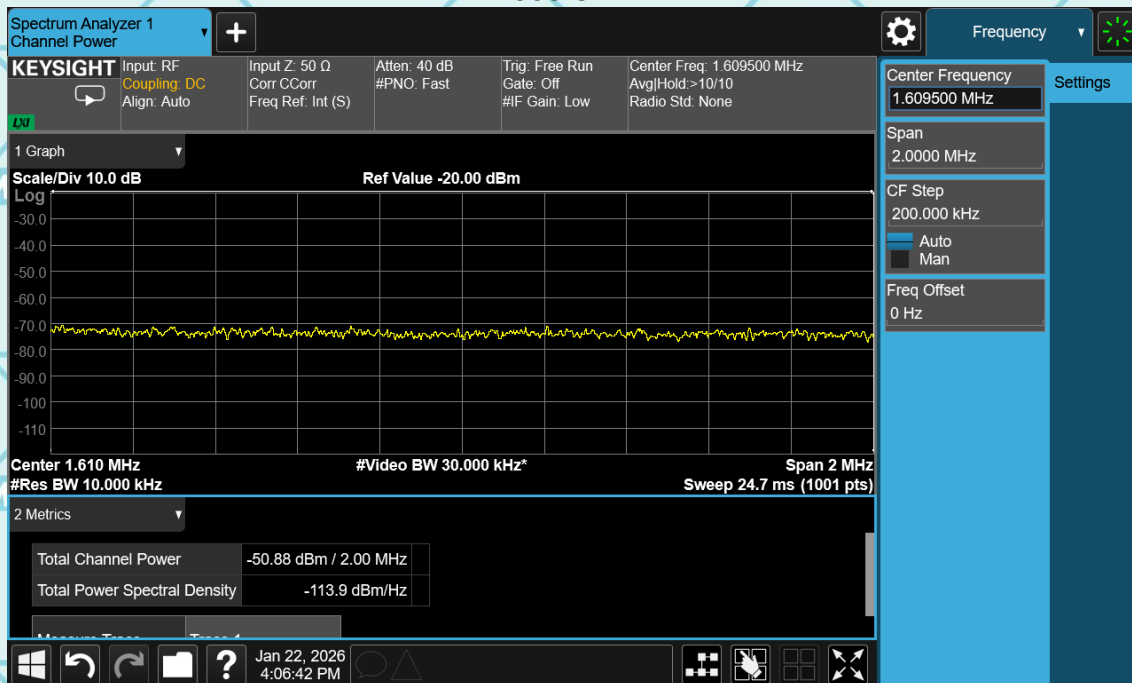


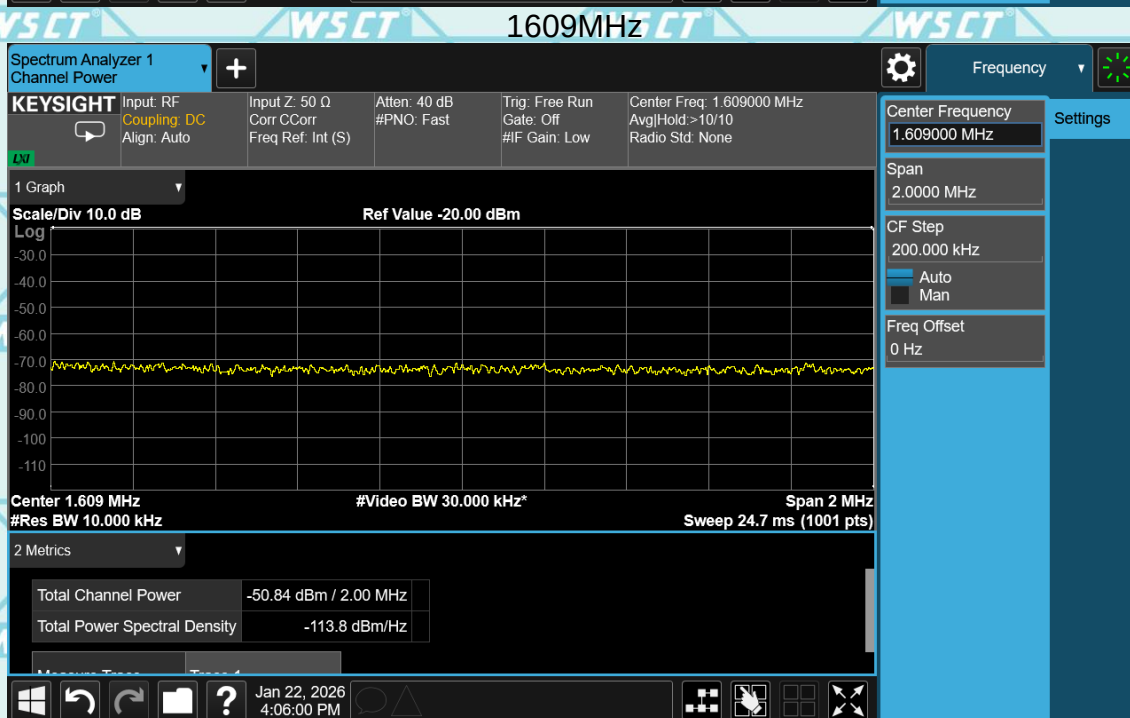
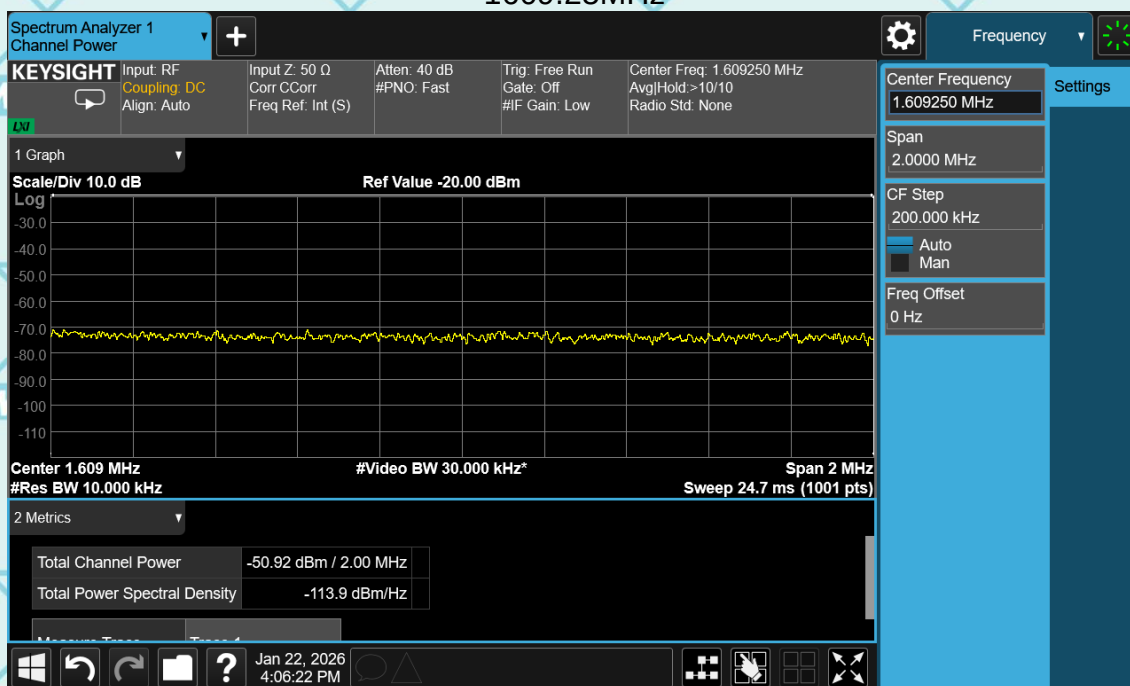
Report No.: WSCT-ANAB-R&E260100001A-Part25 Issued Date: 26 January 2026
Wideband Low Channel 1626.53125MHz Horizontal:



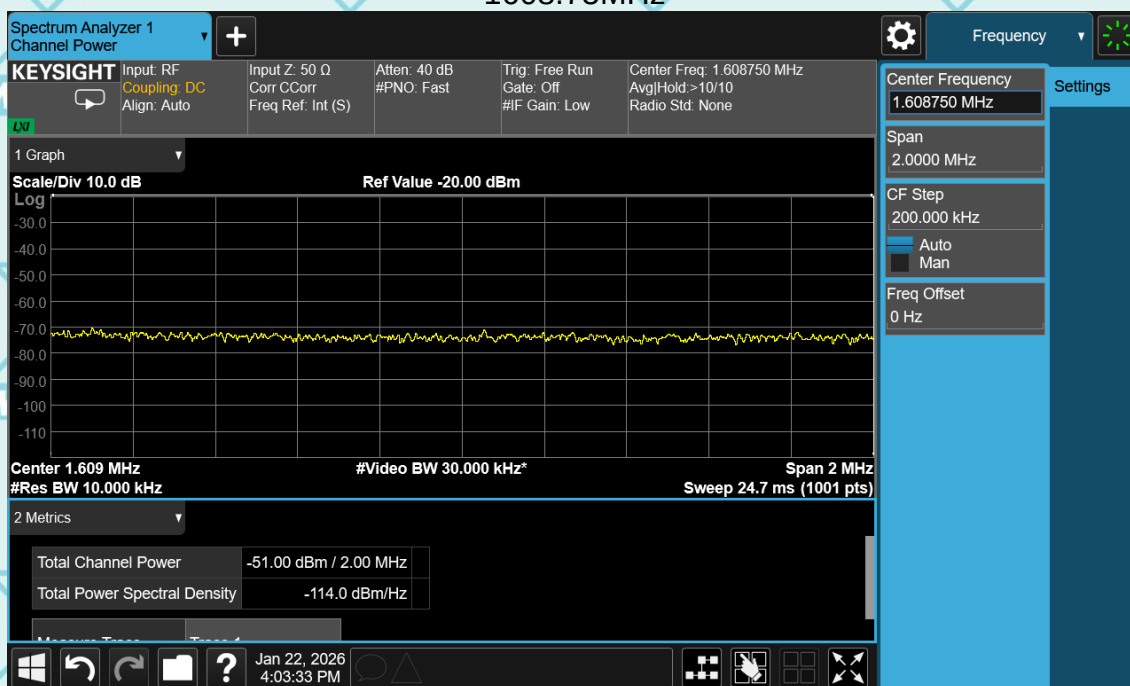
Plots below show passing result using integration method:
1609.5MHz



Report No.: WSCT-ANAB-R&E260100001A-Part25 Issued Date: 26 January 2026
1609.25MHz



Report No.: WSCT-ANAB-R&E260100001A-Part25 Issued Date: 26 January 2026
1608.75MHz



Report No.: WSCT-ANAB-R&E260100001A-Part25 Issued Date: 26 January 2026

6.8. CARRIER-OFF STATE EMISSIONS (1559MHz – 1610MHz)

LIMITS

FCC §25.216 and ISCED RSS-170: 5.4.4

Limits on emissions from mobile earth stations for protection of aeronautical radionavigation-satellite service (i) The e.i.r.p density of carrier-off state emissions from mobile earth stations manufactured more than six months after Federal Register publication of the rule changes adopted in FCC 03-283 with assigned uplink frequencies between 1 and 3 GHz shall not exceed -80 dBW/MHz in the 1559-1610 MHz band averaged over any two millisecond interval.

ISCED RSS-170: 5.4.4 Carrier-off State Emissions

Mobile equipment with transmitting frequencies between 1 GHz and 3 GHz shall have the e.i.r.p. density of carrier-off state emissions in the band 1559-1610 MHz not exceed -80 dBW/MHz.

TEST PROCEDURE

KDB 971168 D01 v03r01/D02 v02/r01

Set RBW = 1MHz, VB = 3MHz, Detector = RMS, Sweep Time = Number of Points x 2ms, and sweep multiple times with Max Hold enabled.

Result: No emissions were found on both horizontal and vertical polarization

Test Data



6.9. FREQUENCY STABILITY

LIMITS

FCC §25.202

(d) Frequency tolerance, Earth stations. The carrier frequency of each earth station transmitter authorized in these services shall be maintained within 0.001 percent of the reference frequency.

ISED RSS-170: 5.2

For mobile earth station equipment, the carrier frequency shall not depart from the reference frequency by more than ± 10 ppm.

TEST PROCEDURE

Use spectrum with Frequency Error measurement capability.

- Temp. = -10°C to $+55^{\circ}\text{C}$
- Voltage = (85% - 115%)

Low voltage, 3.45VDC, Normal, 3.82VDC and High voltage, 4.53VDC.

Frequency Stability vs Temperature:

The EUT is place inside a temperature chamber. The temperature is set to 25°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until $+55^{\circ}\text{C}$ is reached.

Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

Results

Frequency Reference Condition		Frequency Reading (MHz)	Delta (Hz)	Frequency Stability (ppm)
Temperature	Voltage			
Normal (20 C)	Normal	1626.53107		
Extreme (55C)		1626.53154	473.5	0.29
Extreme (45C)		1626.53129	219.6	0.14
Extreme (30C)		1626.53084	234.1	-0.14
Extreme (10C)		1626.53175	678.2	0.42
Extreme (0C)		1626.53096	114.6	-0.07
Extreme (-10)		1626.53169	622.6	0.38
20 C	15%	1626.53147	402.3	0.25
	-15%	1626.53186	793.2	0.49
	End Point	1626.53437	599.8	0.37

Report No.: WSCT-ANAB-R&E260100001A-Part25 Issued Date: 26 January 2026

7. Test Setup Photographs

Please refer to Annex " Set Up Photos-Part25" for test setup photos

*******END OF REPORT*******