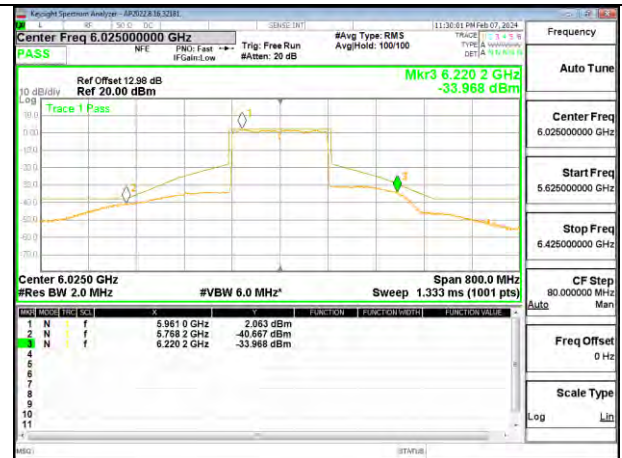
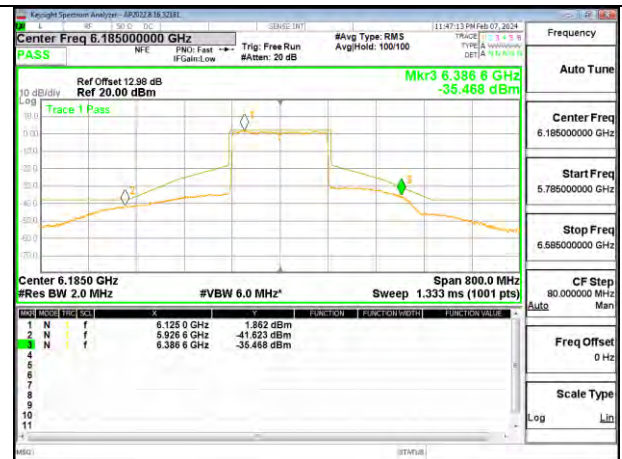
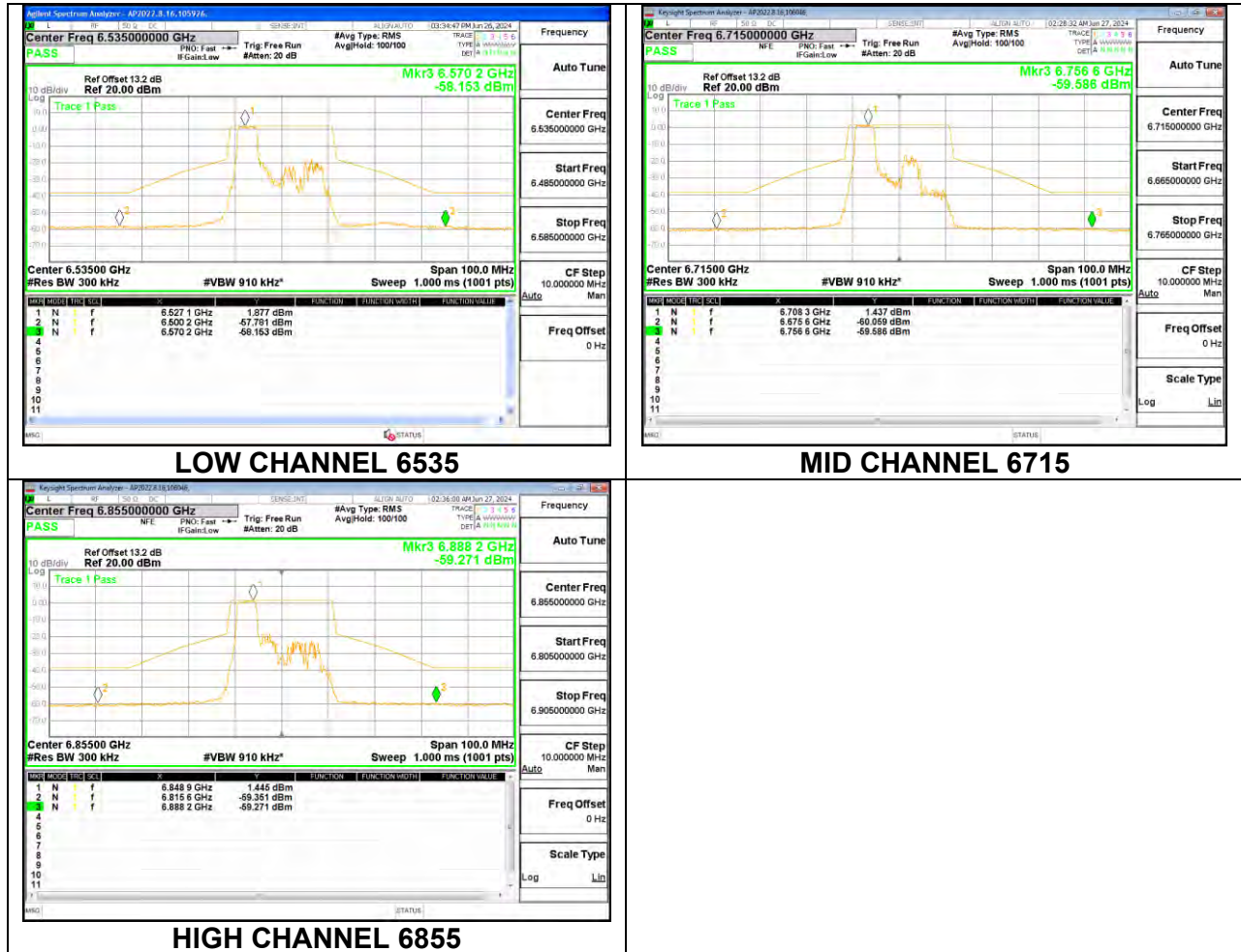
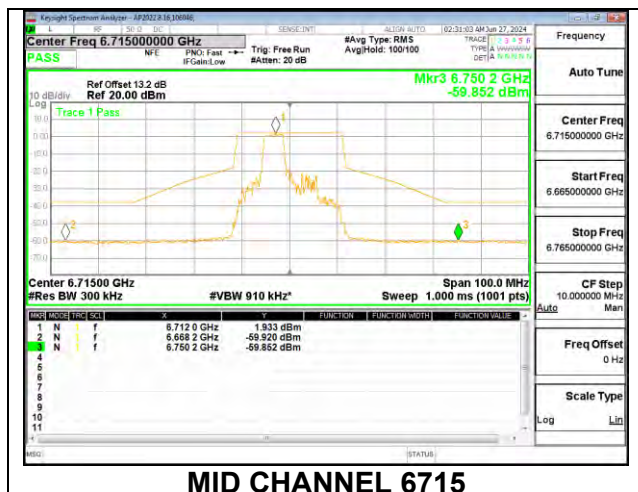
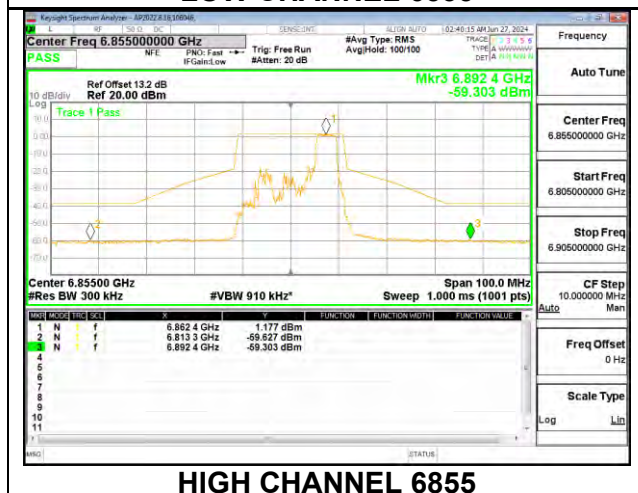
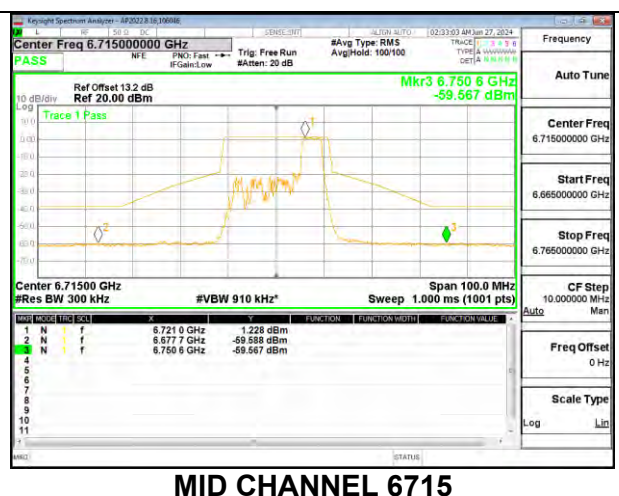
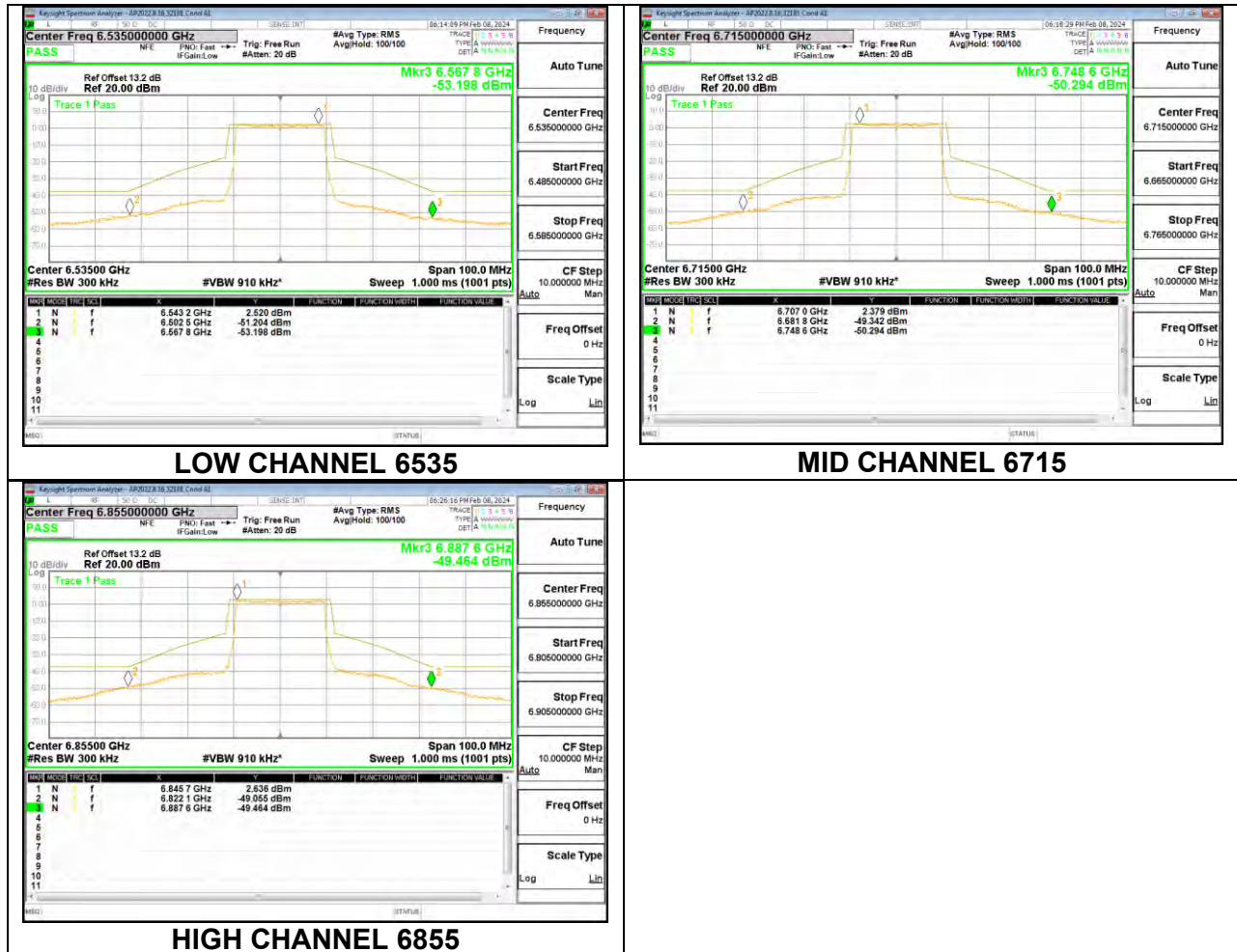
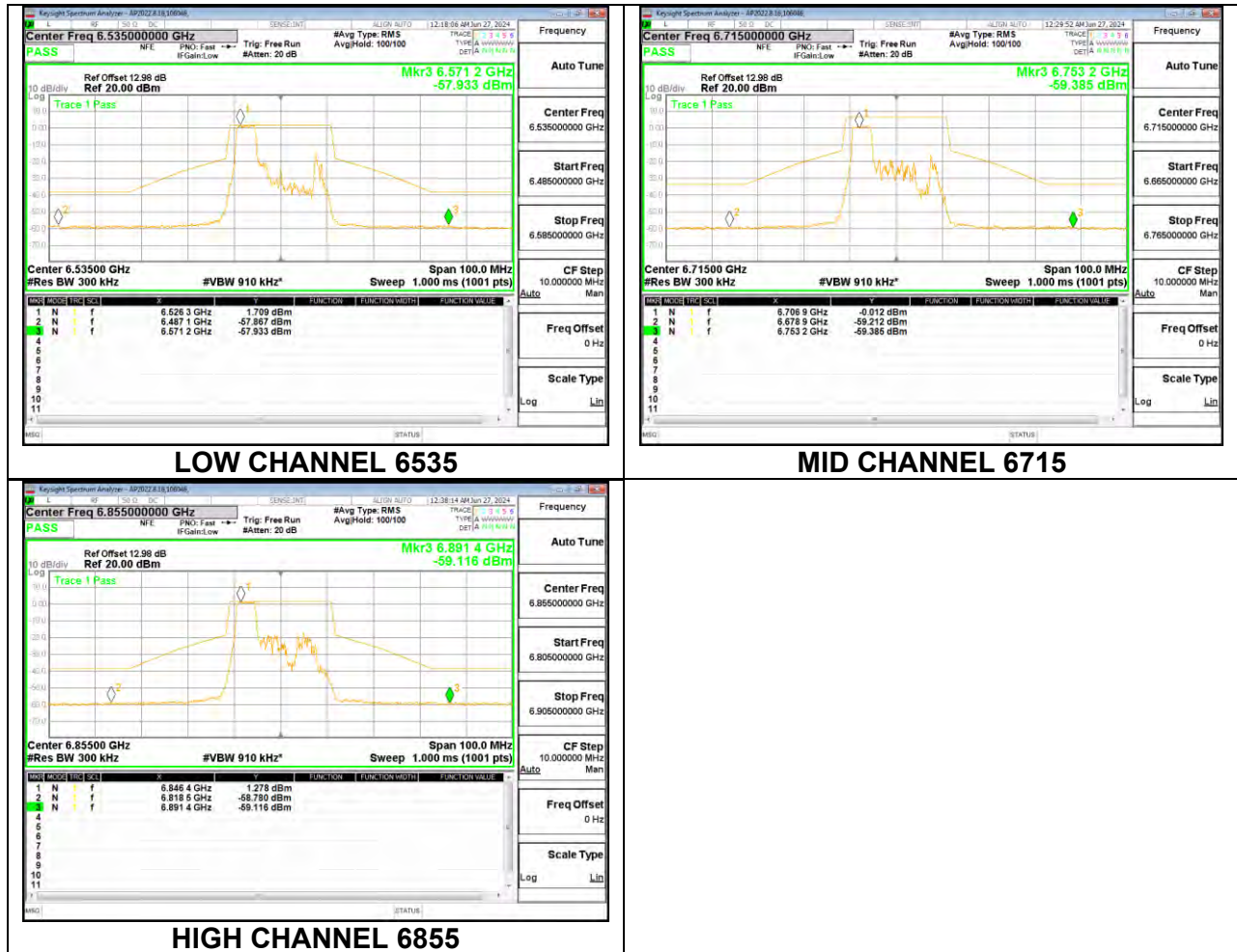


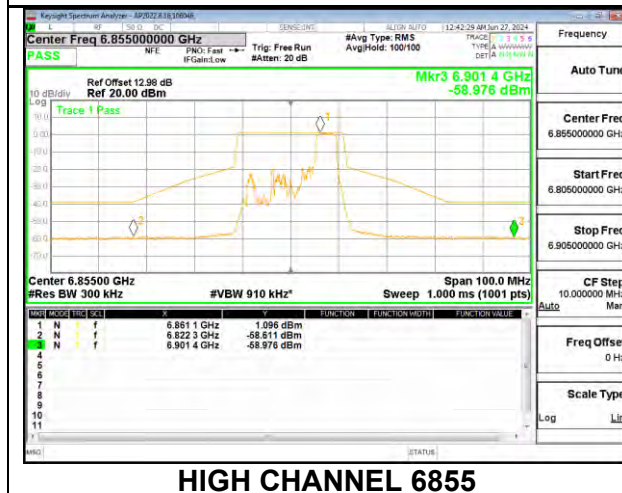
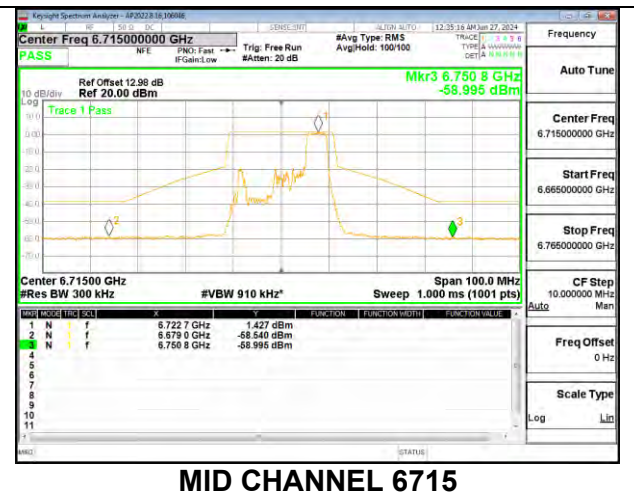
**2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – SU Mode****LOW CHANNEL ANT 6 6025****LOW CHANNEL ANT 5 6025****MID CHANNEL ANT 6 6185****MID CHANNEL ANT 5 6185****HIGH CHANNEL ANT 6 6345****HIGH CHANNEL ANT 5 6345**

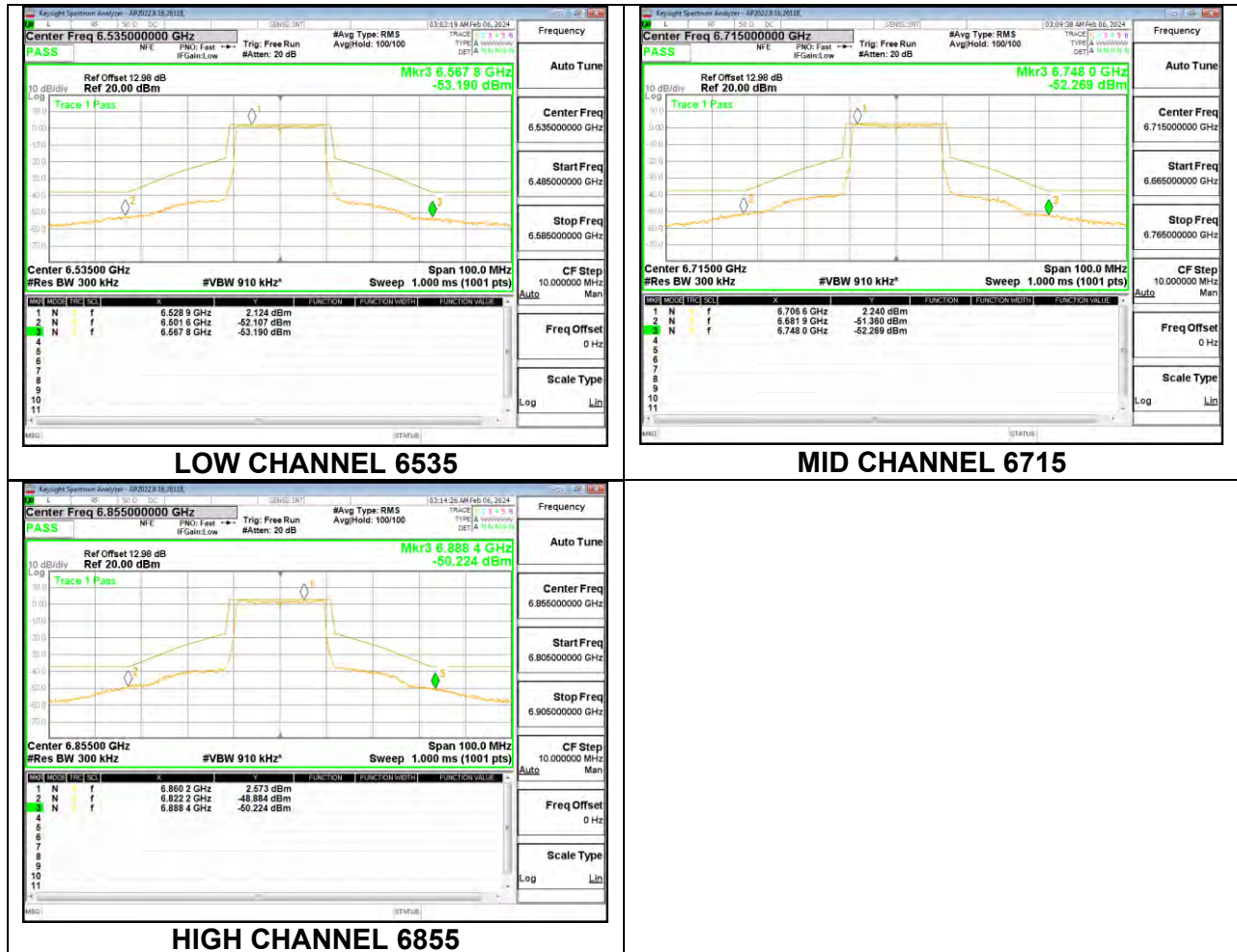
**9.7.5. 802.11be EHT20 MODE IN THE UNII-7 BAND****1TX Antenna 6 MODE (FCC+IC) MOBILE – 52-Tones, RU Index 37**

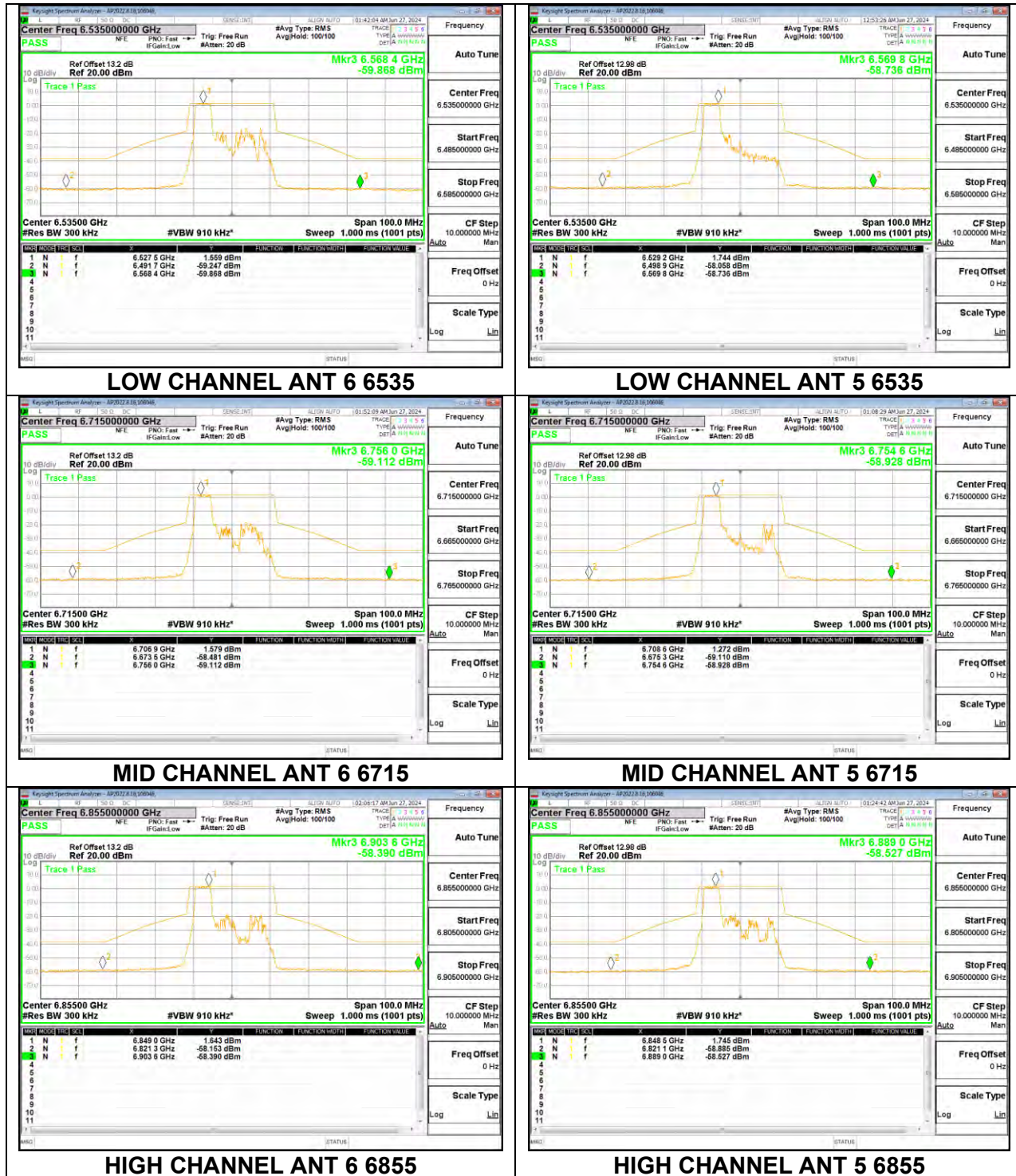
**1TX Antenna 6 MODE (FCC+IC) MOBILE – 52-Tones, RU Index 38****1TX Antenna 6 MODE (FCC+IC) MOBILE – 52-Tones, RU Index 40**

**1TX Antenna 6 MODE (FCC+IC) MOBILE – SU MODE**

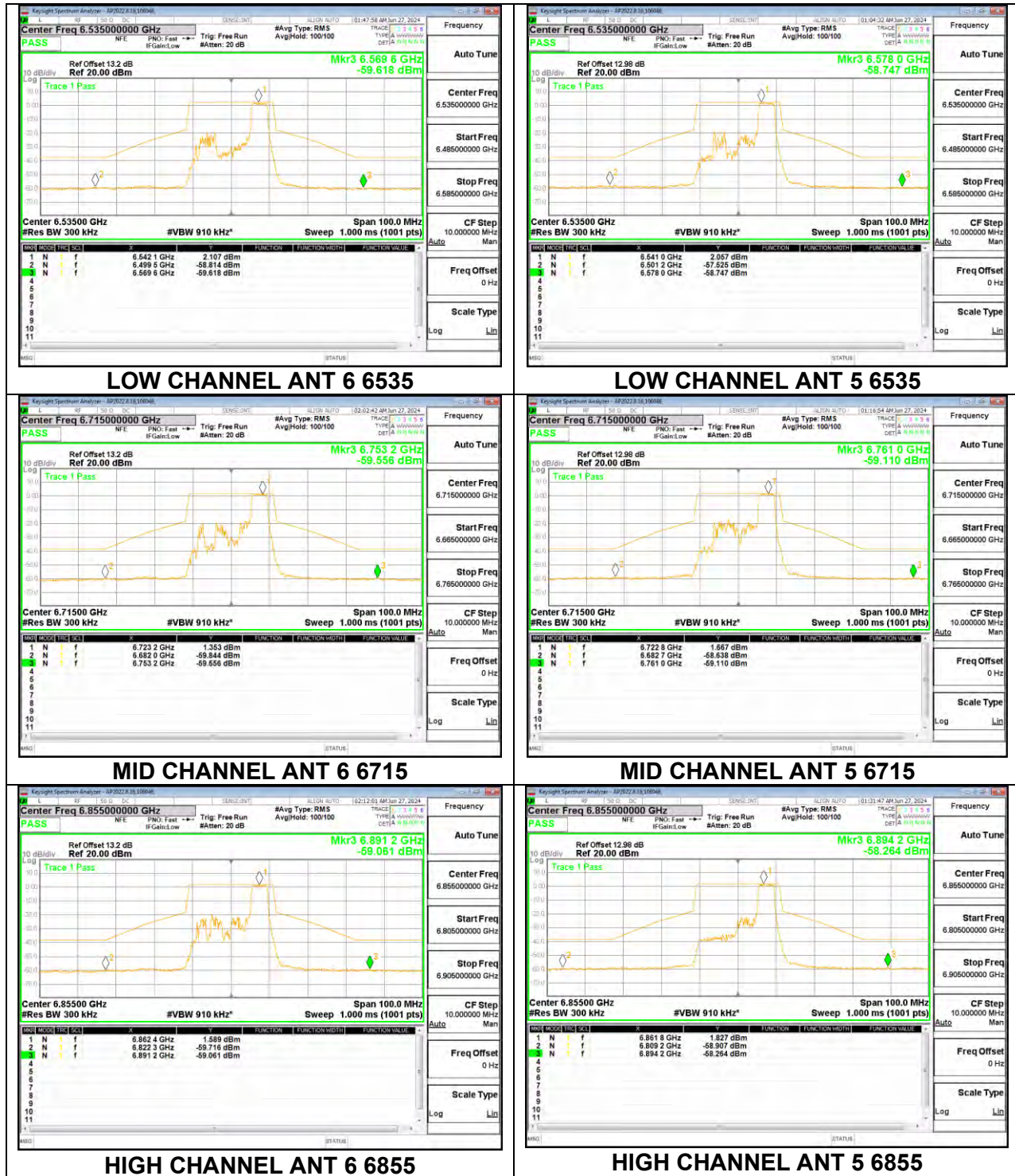
**1TX Antenna 5 MODE (FCC+IC) MOBILE – 52-Tones, RU Index 37**

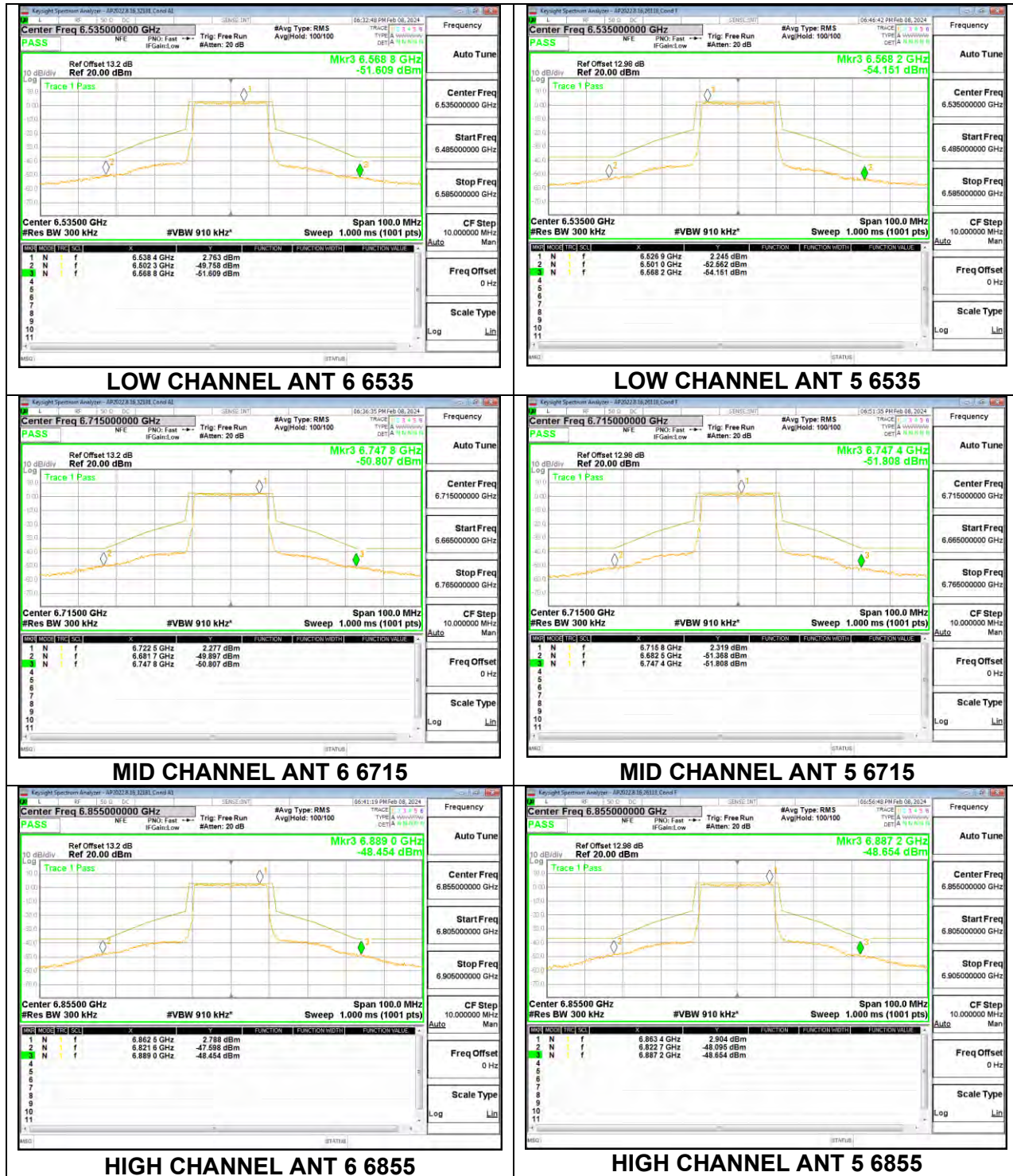
**1TX Antenna 5 MODE (FCC+IC) MOBILE – 52-Tones, RU Index 38****1TX Antenna 5 MODE (FCC+IC) MOBILE – 52-Tones, RU Index 40**

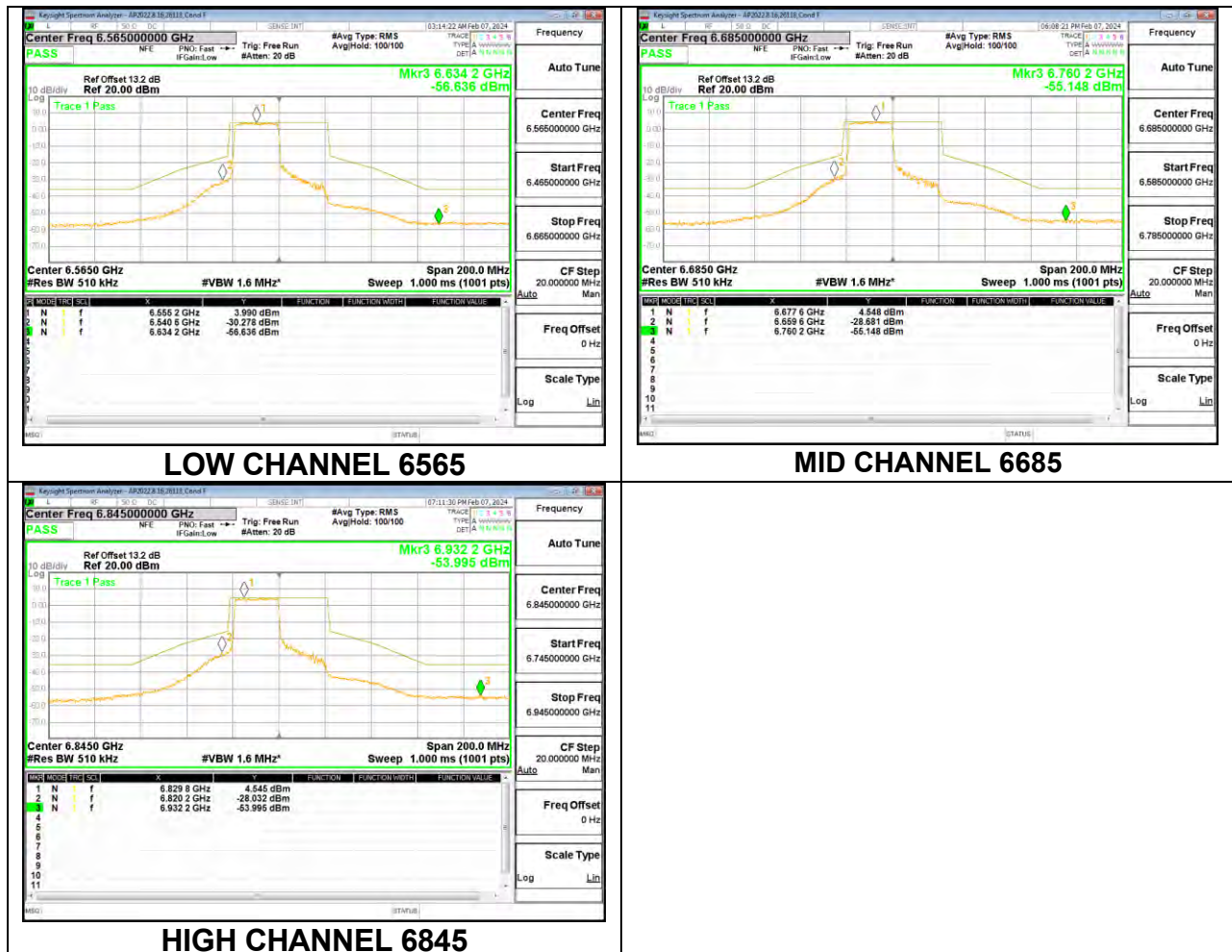
**1TX Antenna 5 MODE (FCC+IC) MOBILE – SU MODE**

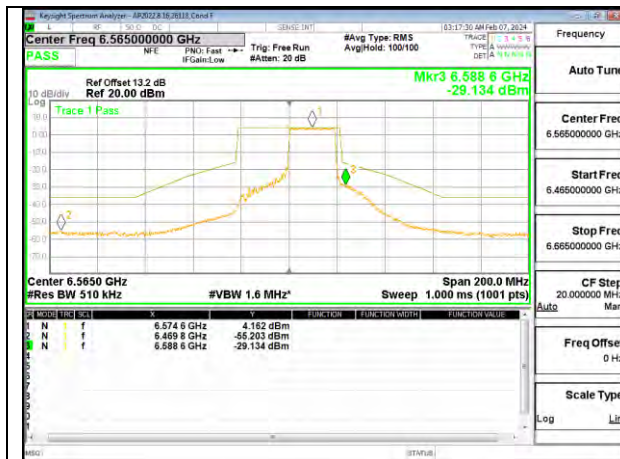
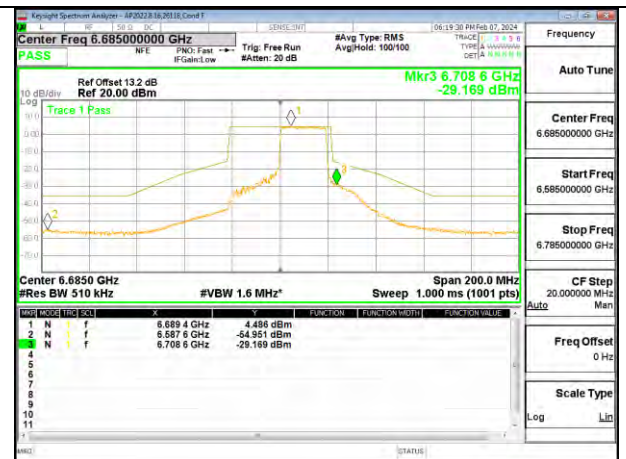
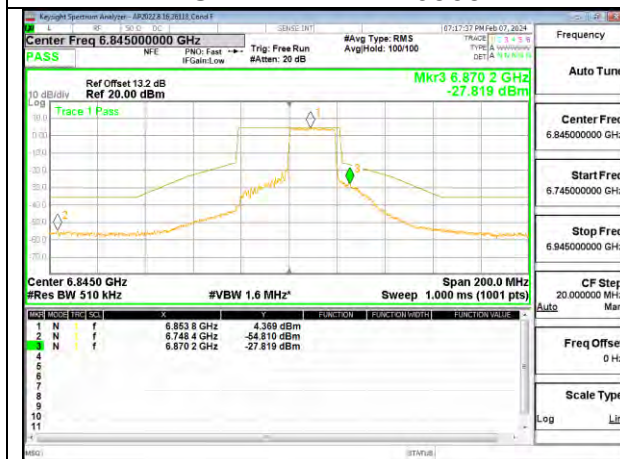
**2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – 52-Tones, RU Index 37**

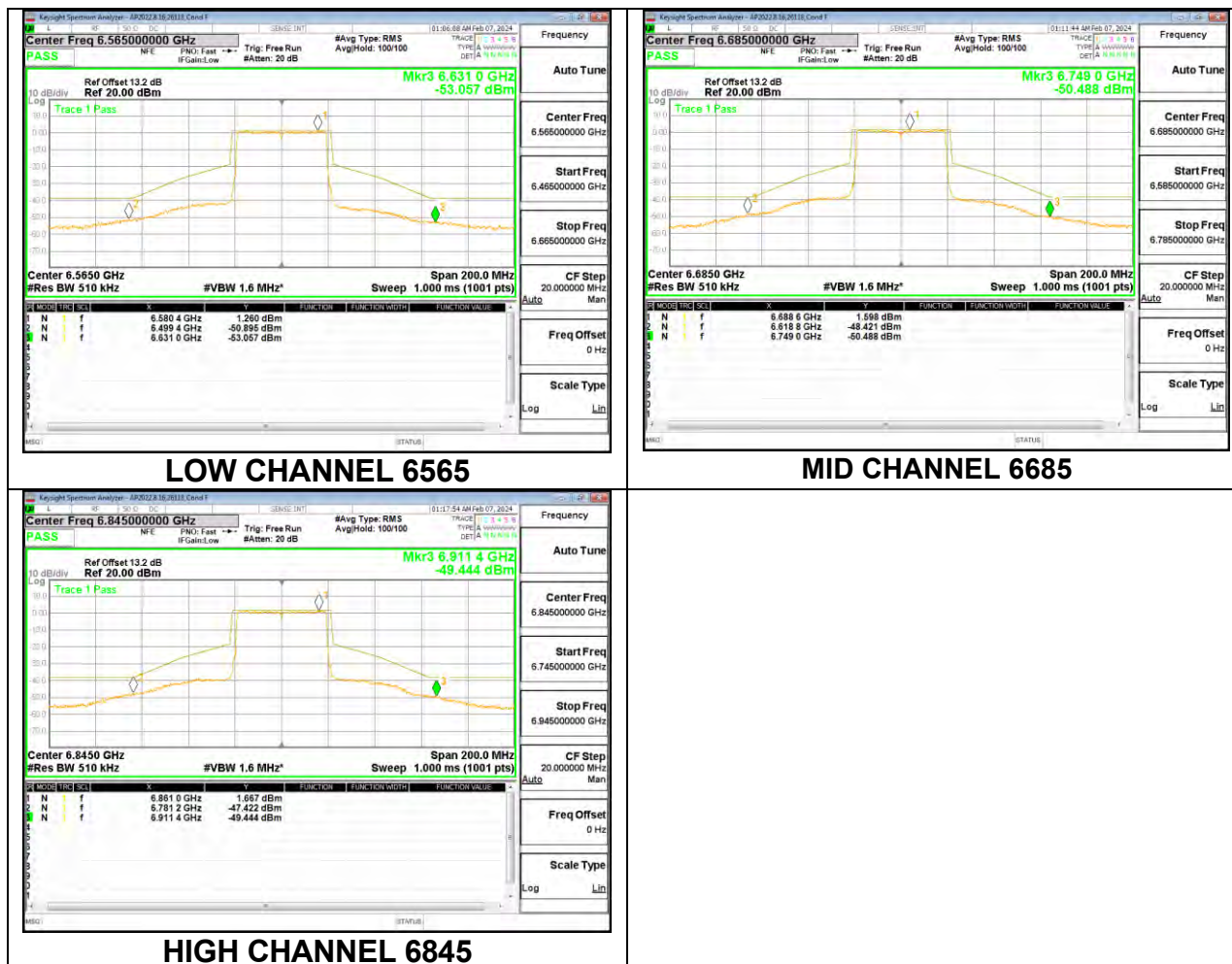
**2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – 52-Tones, RU Index 38**

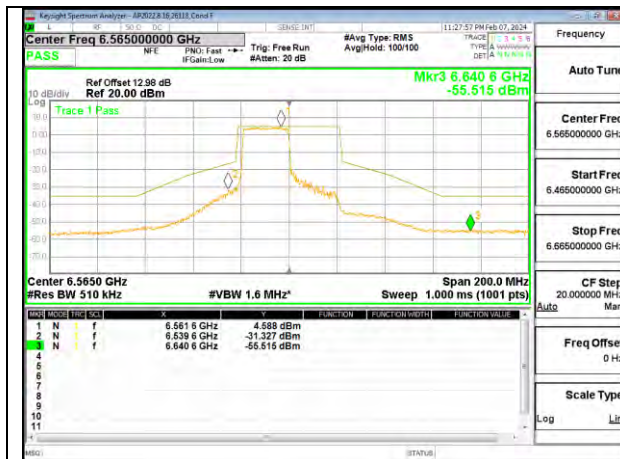
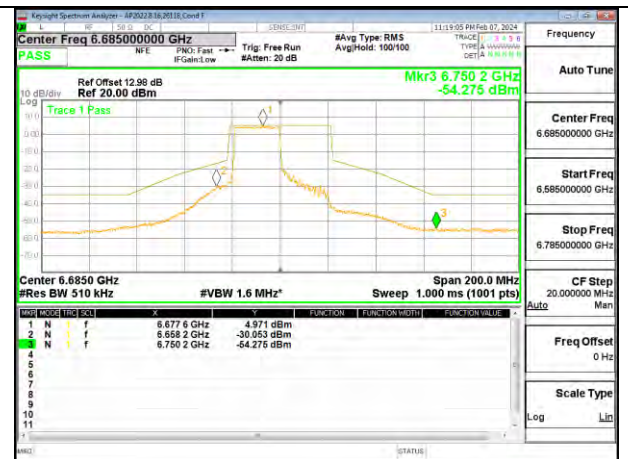
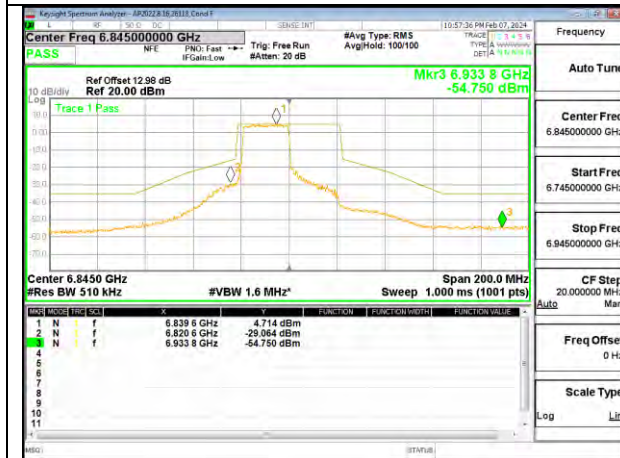
**2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – 52-Tones, RU Index 40**

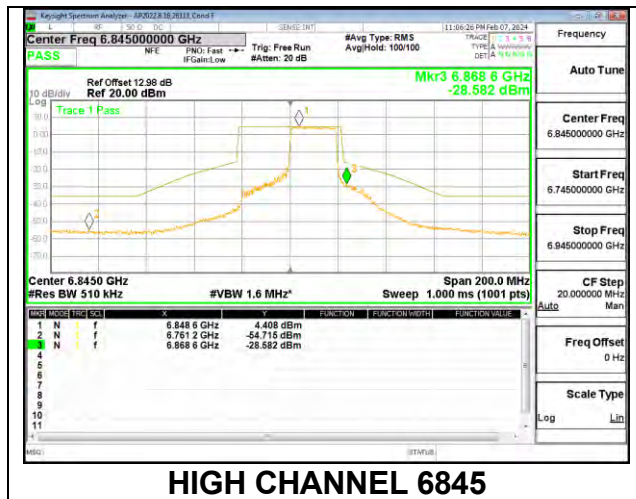
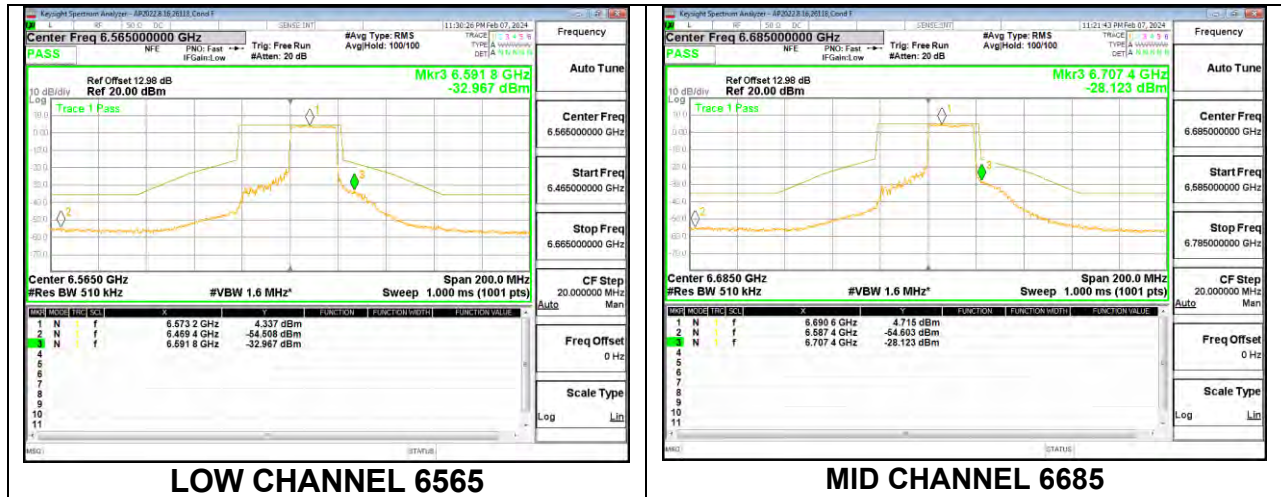
**2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – SU MODE**

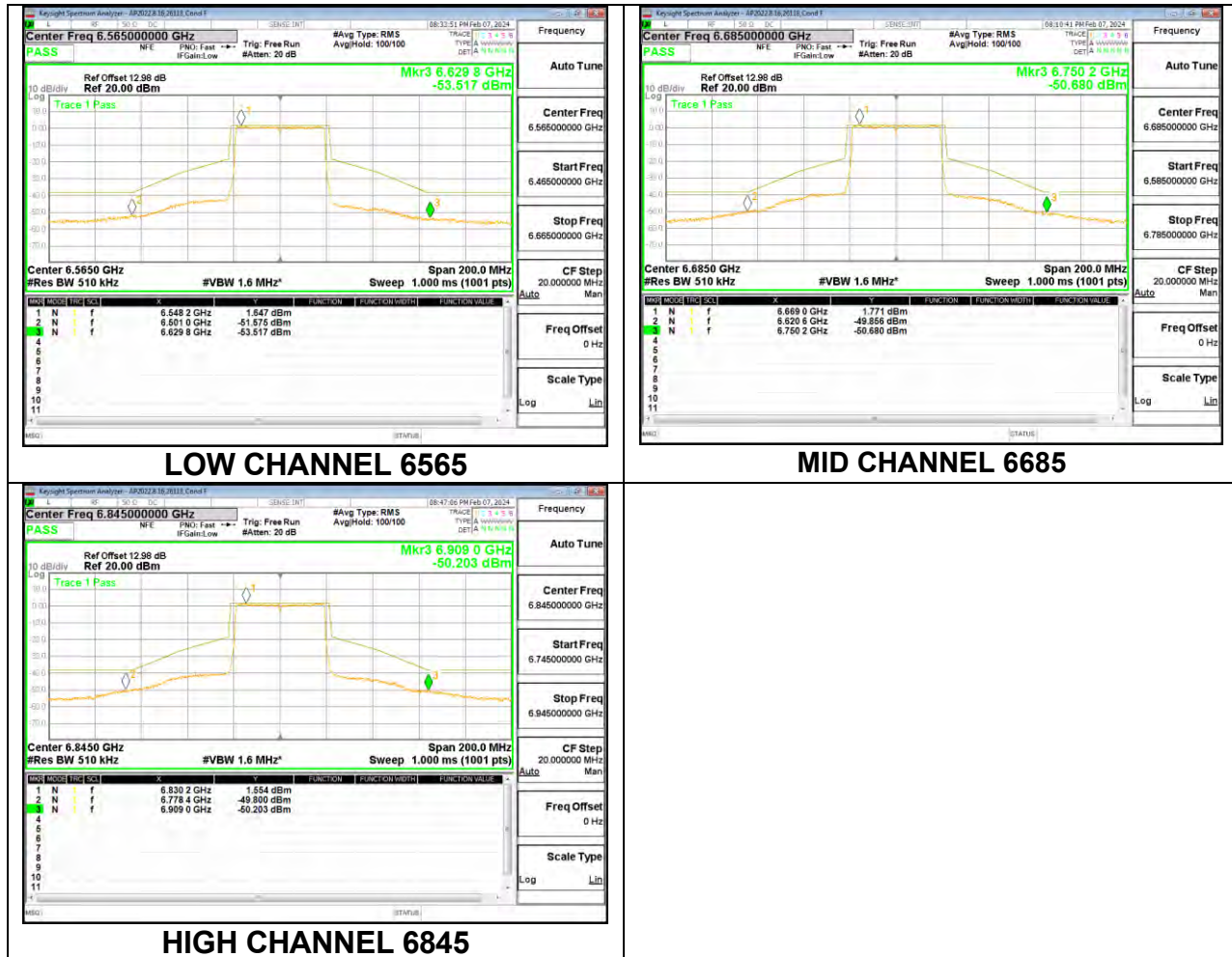
**9.7.6. 802.11be EHT40 MODE IN THE UNII-7 BAND****1TX Antenna 6 MODE (FCC+IC) MOBILE – 242-Tones, RU Index 61**

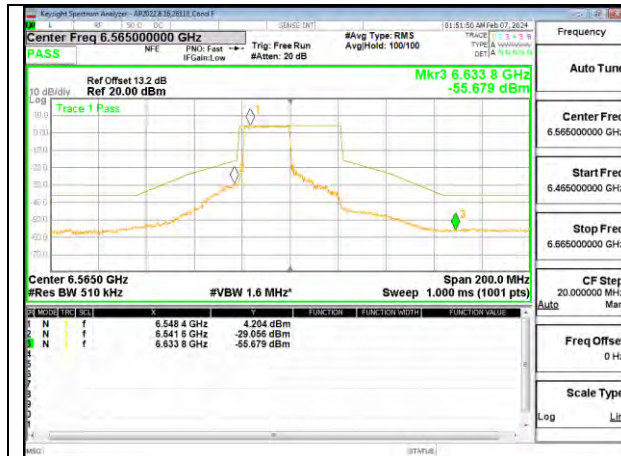
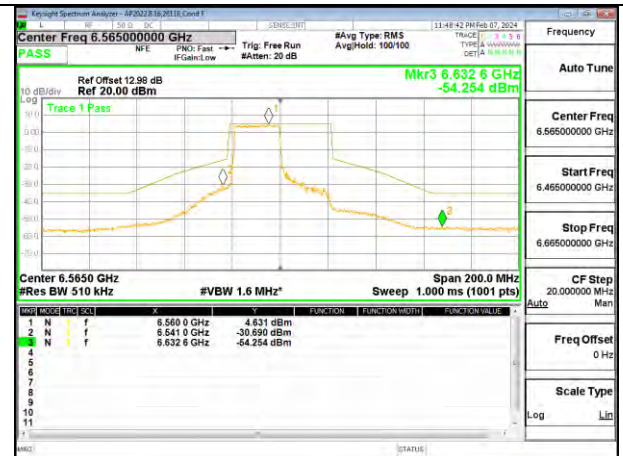
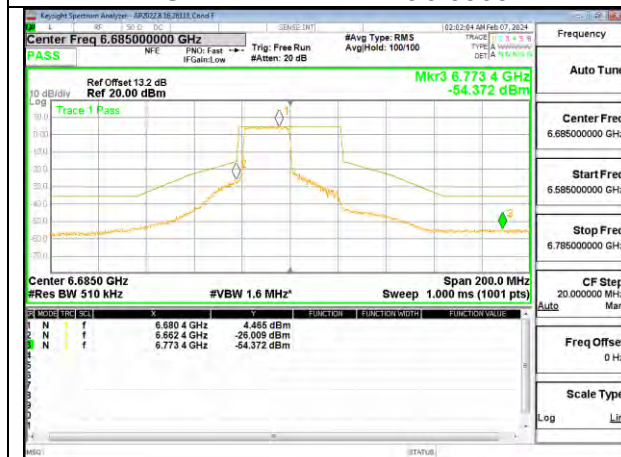
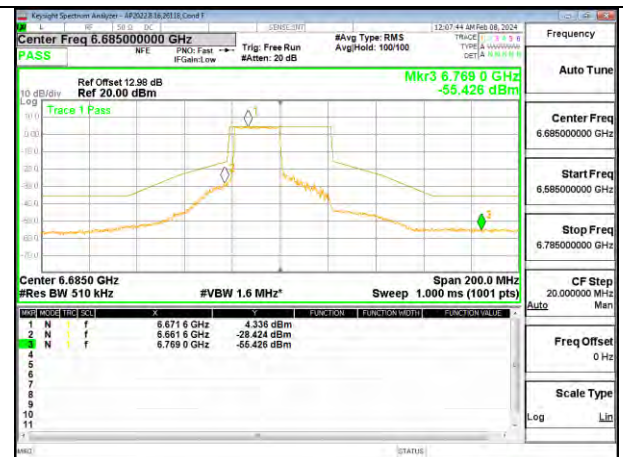
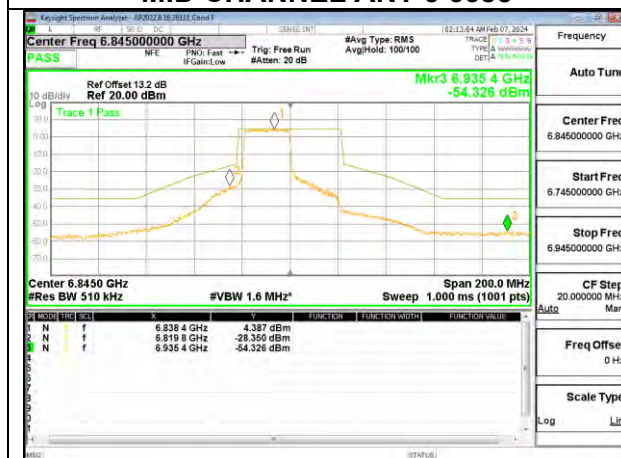
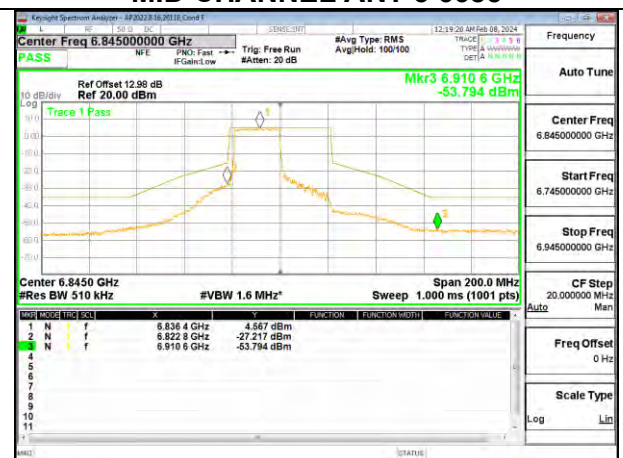
**1TX Antenna 6 MODE (FCC+IC) MOBILE – 242-Tones, RU Index 62****LOW CHANNEL 6565****MID CHANNEL 6685****HIGH CHANNEL 6845**

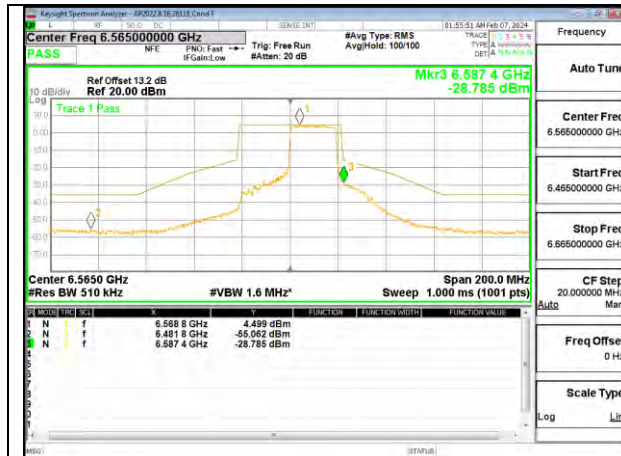
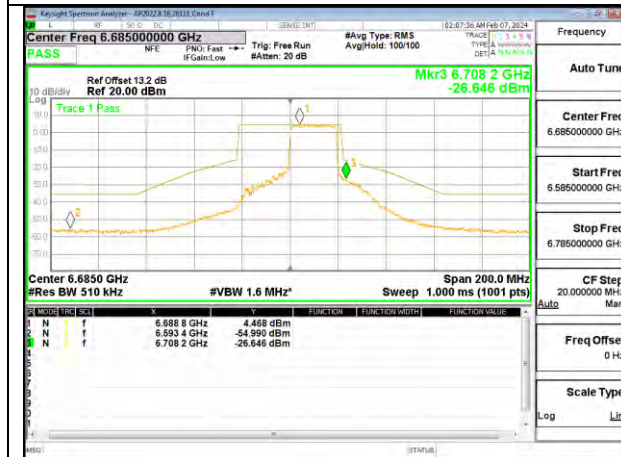
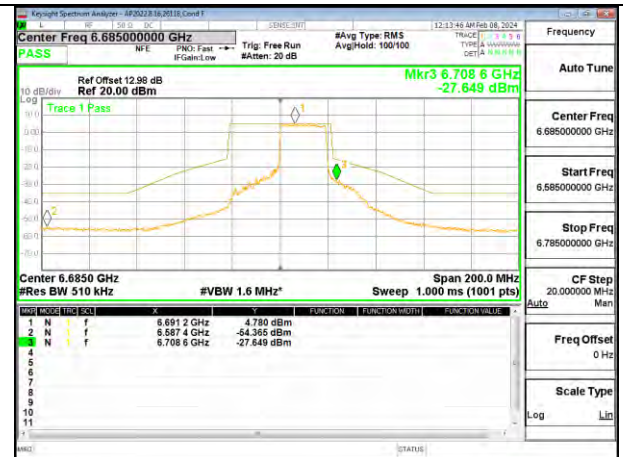
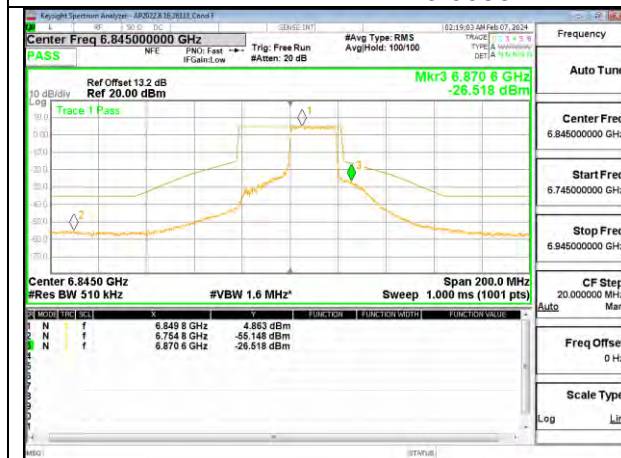
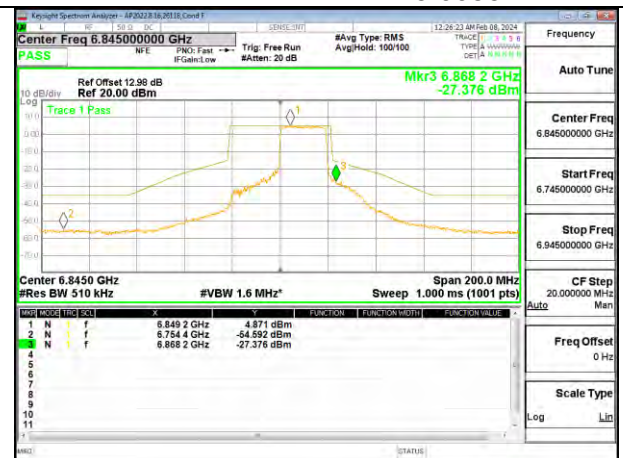
**1TX Antenna 6 MODE (FCC+IC) MOBILE – SU MODE**

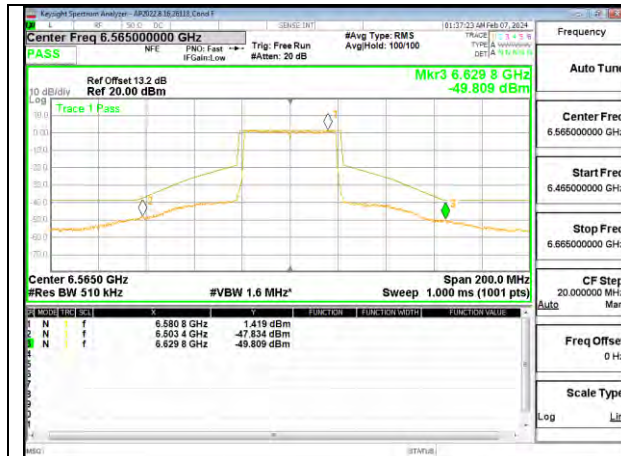
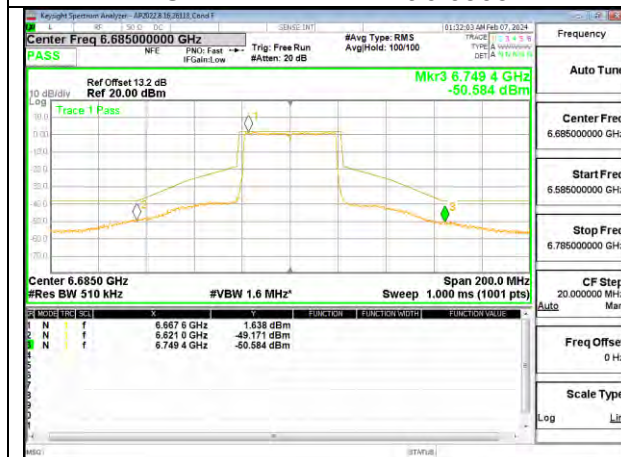
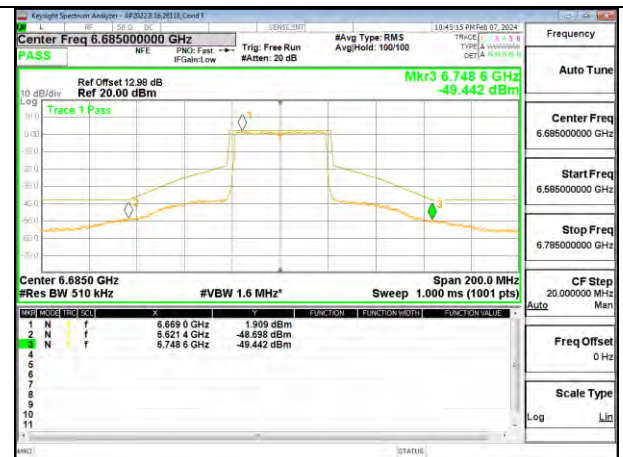
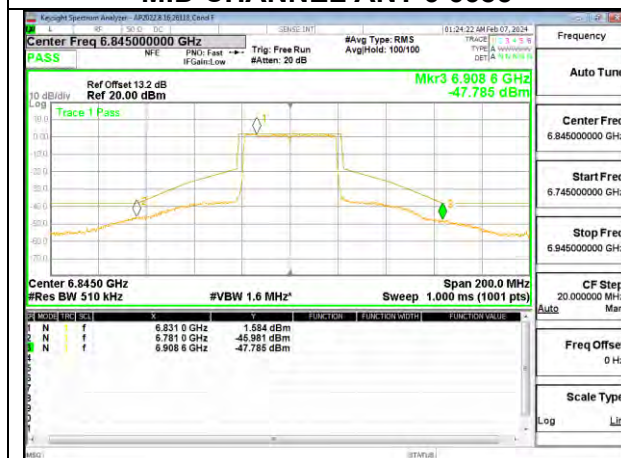
**1TX Antenna 5 MODE (FCC+IC) MOBILE – 242-Tones, RU Index 61****LOW CHANNEL 6565****MID CHANNEL 6685****HIGH CHANNEL 6845**

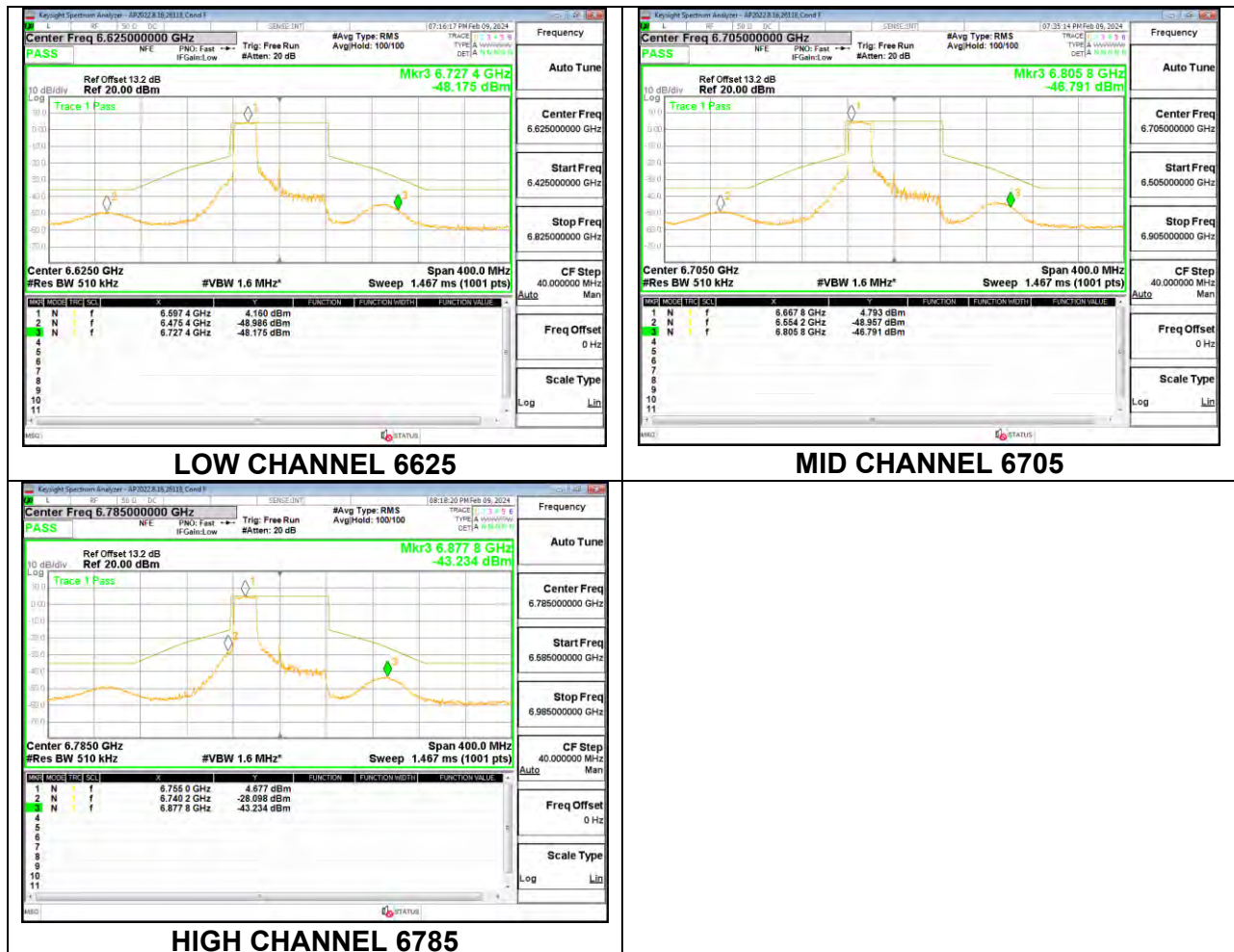
**1TX Antenna 5 MODE (FCC+IC) MOBILE – 242-Tones, RU Index 62**

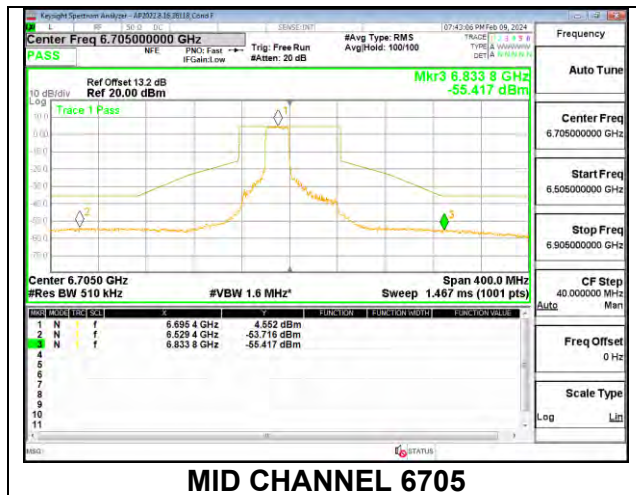
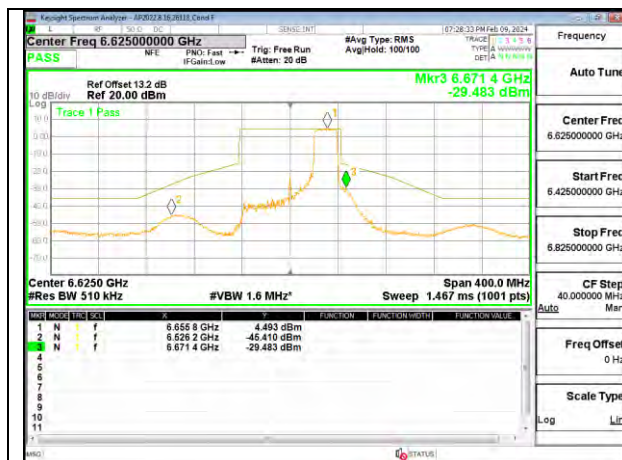
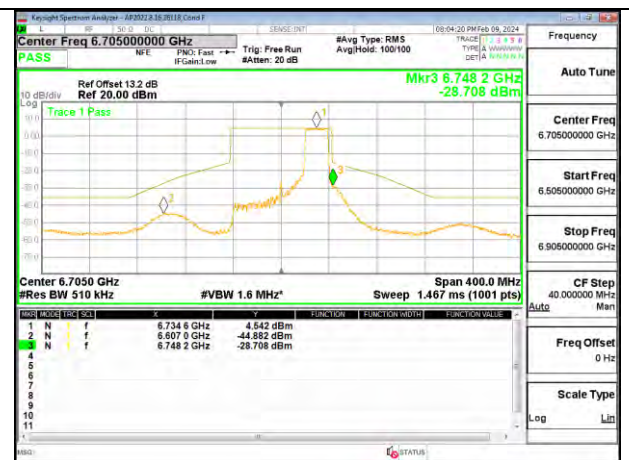
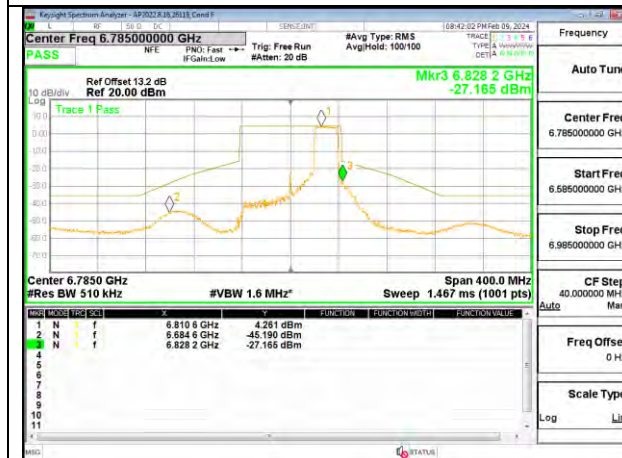
**1TX Antenna 5 MODE (FCC+IC) MOBILE – SU MODE**

**2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – 242-Tones, RU Index 61****LOW CHANNEL Ant 6 6565****LOW CHANNEL Ant 5 6565****MID CHANNEL ANT 6 6685****MID CHANNEL ANT 5 6685****HIGH CHANNEL ANT 6 6845****HIGH CHANNEL ANT 5 6845**

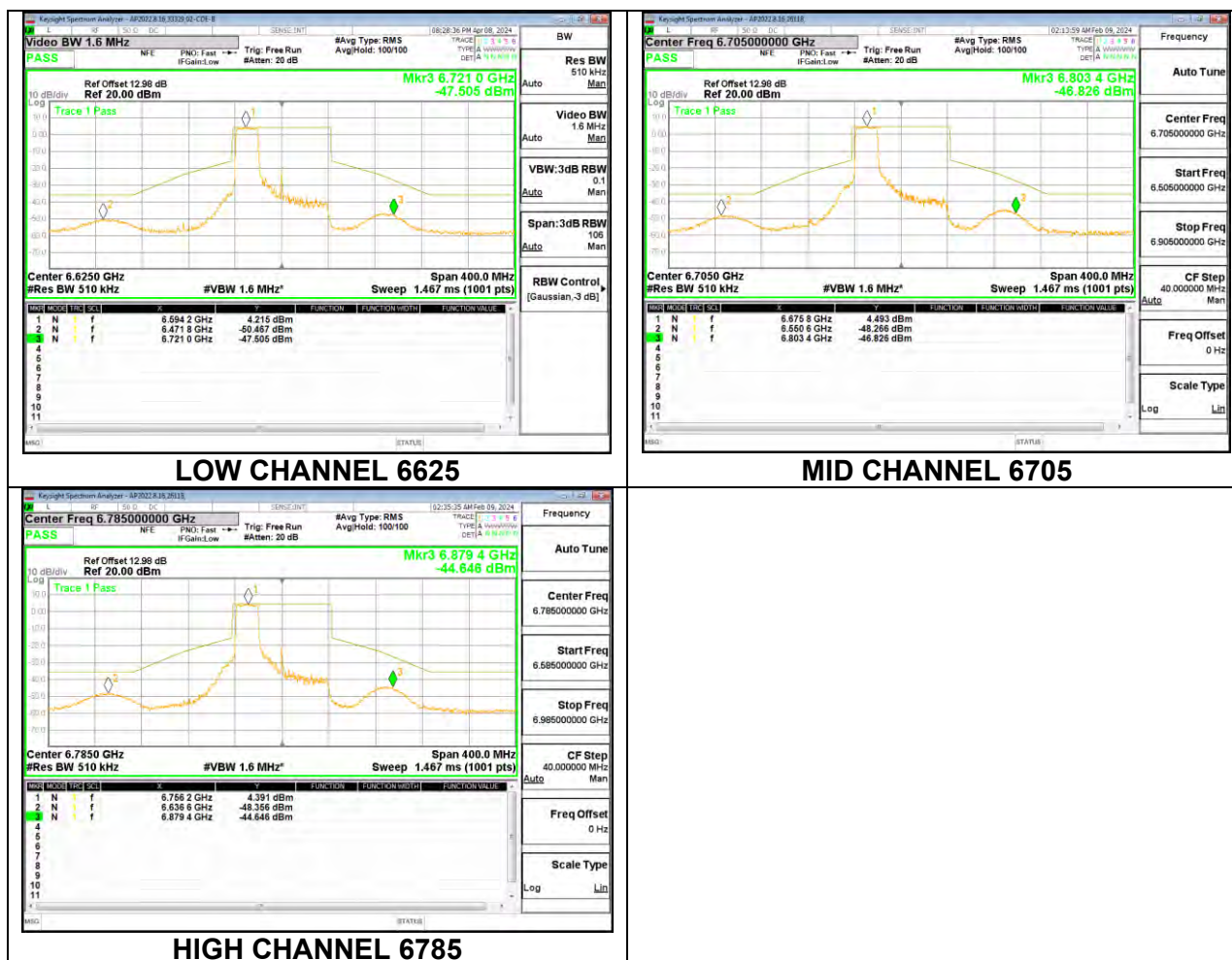
**2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – 242-Tones, RU Index 62****LOW CHANNEL Ant 6 6565****LOW CHANNEL Ant 5 6565****MID CHANNEL ANT 6 6685****MID CHANNEL ANT 5 6685****HIGH CHANNEL ANT 6 6845****HIGH CHANNEL ANT 5 6845**

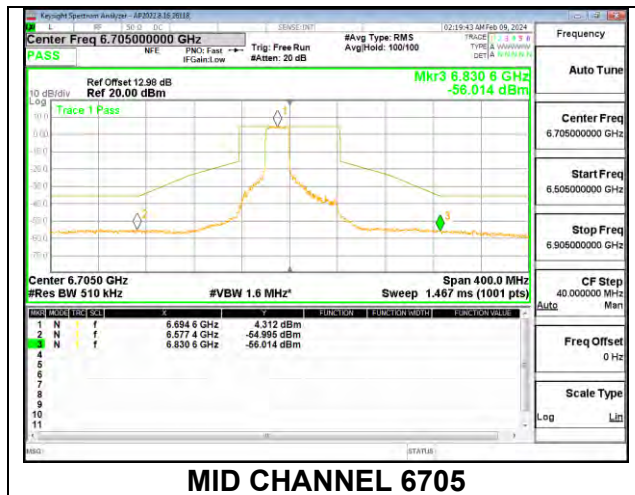
**2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – SU MODE****LOW CHANNEL Ant 6 6565****LOW CHANNEL Ant 5 6565****MID CHANNEL ANT 6 6685****MID CHANNEL ANT 5 6685****HIGH CHANNEL ANT 6 6845****HIGH CHANNEL ANT 5 6845**

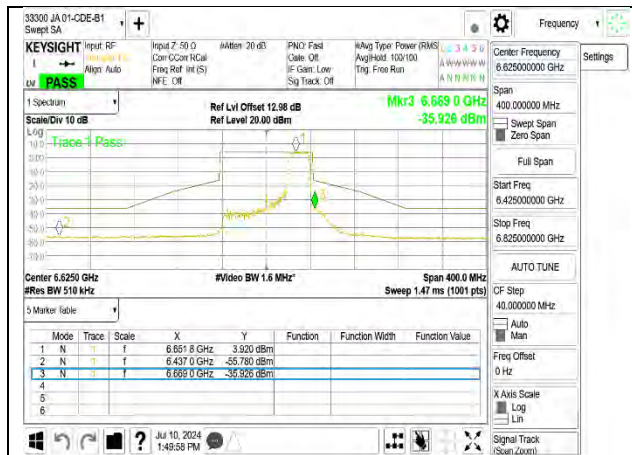
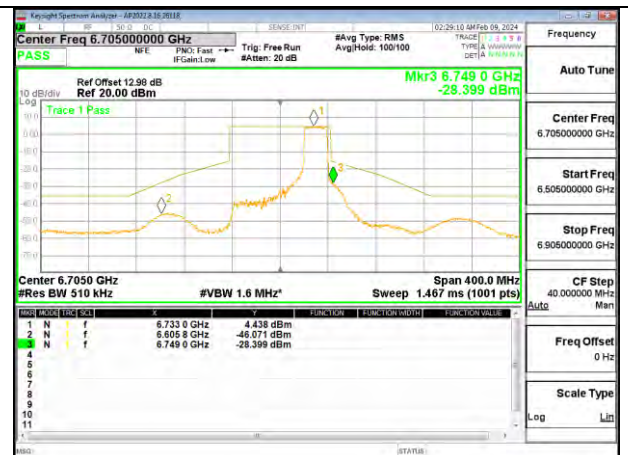
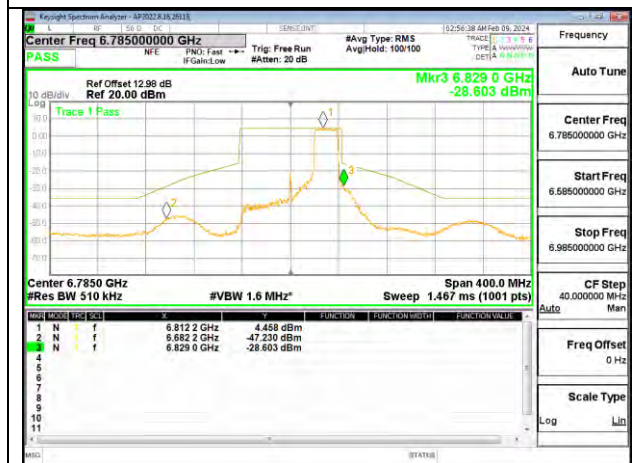
**9.7.7. 802.11be EHT80 MODE IN THE UNII-7 BAND****1TX Antenna 6 MODE (FCC) MOBILE – 242-Tones, RU Index 61**

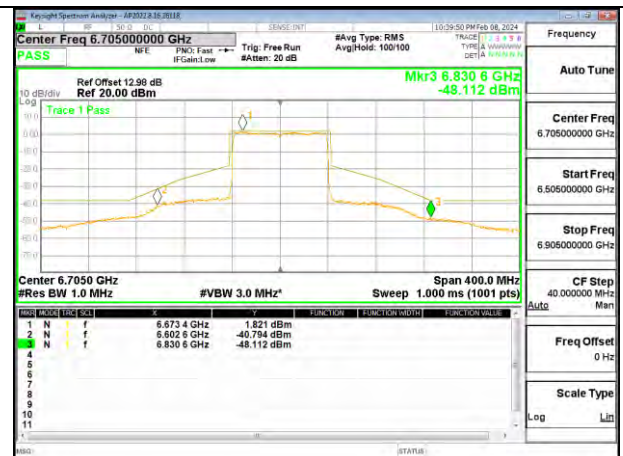
**1TX Antenna 6 MODE (FCC) MOBILE – 242-Tones, RU Index 62****MID CHANNEL 6705****1TX Antenna 6 MODE (FCC) MOBILE – 242-Tones, RU Index 64****LOW CHANNEL 6625****MID CHANNEL 6705****HIGH CHANNEL 6785**

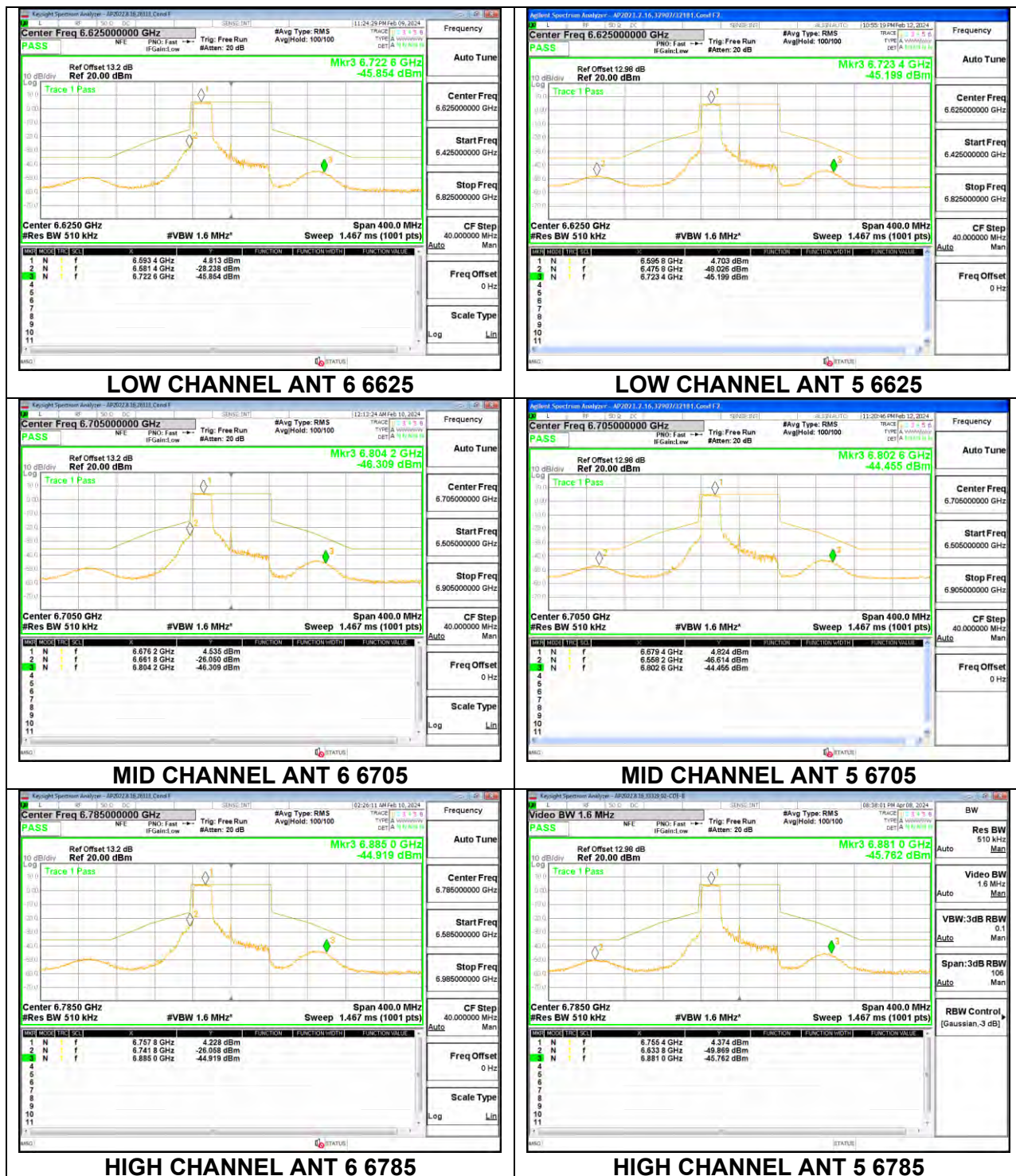
**1TX Antenna 6 MODE (FCC) MOBILE – SU MODE****LOW CHANNEL 6625****MID CHANNEL 6705****HIGH CHANNEL 6785**

**1TX Antenna 5 MODE (FCC) MOBILE – 242-Tones, RU Index 61**

**1TX Antenna 5 MODE (FCC) MOBILE – 242-Tones, RU Index 62**

**1TX Antenna 5 MODE (FCC) MOBILE – 242-Tones, RU Index 64****LOW CHANNEL 6625****MID CHANNEL 6705****HIGH CHANNEL 6785**

**1TX Antenna 5 MODE (FCC) MOBILE – SU MODE****LOW CHANNEL 6625****MID CHANNEL 6705****HIGH CHANNEL 6785**

**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) – 242-Tones, RU Index 61**

**Left Plot: MID CHANNEL ANT 6 6705**

Center Freq 6.7050 GHz, Res BW 510 kHz, #VBW 1.6 MHz, Span 400.0 MHz, Sweep 1.467 ms (1001 pts)

Peak 1: Mkr3 6.837 0 GHz, -56.586 dBm

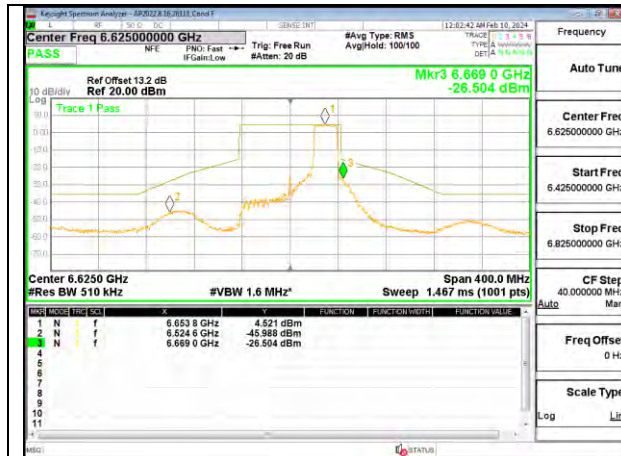
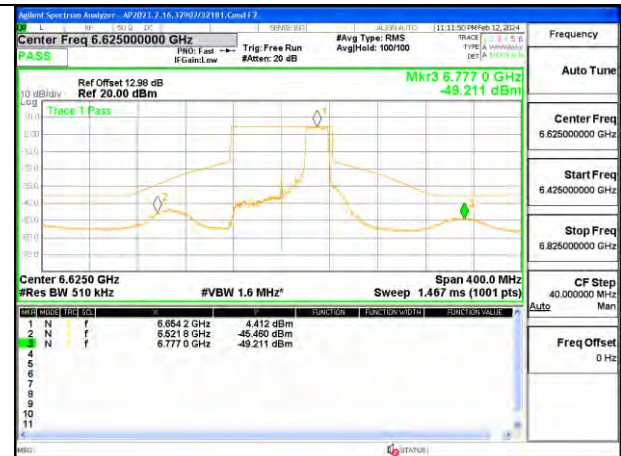
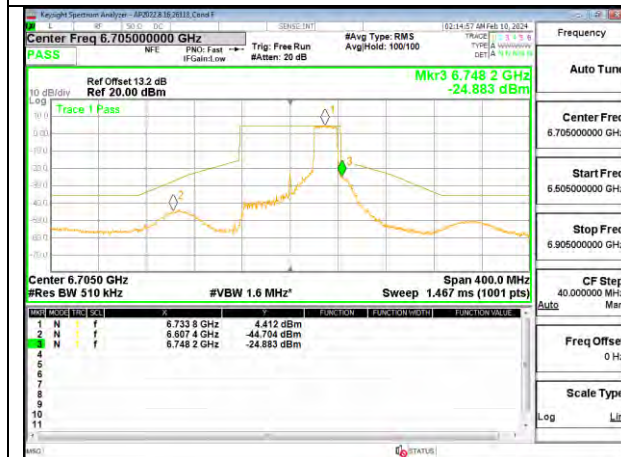
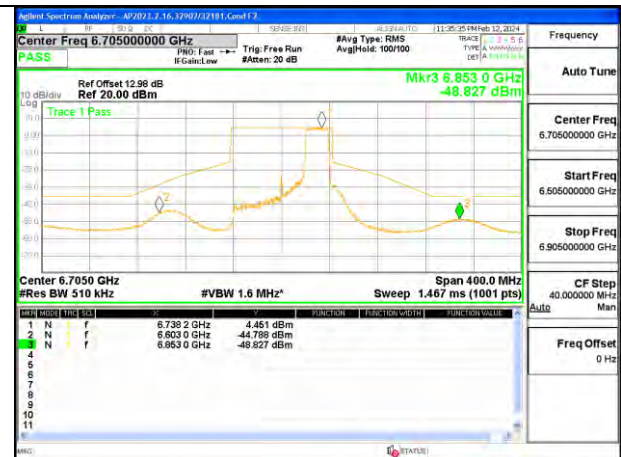
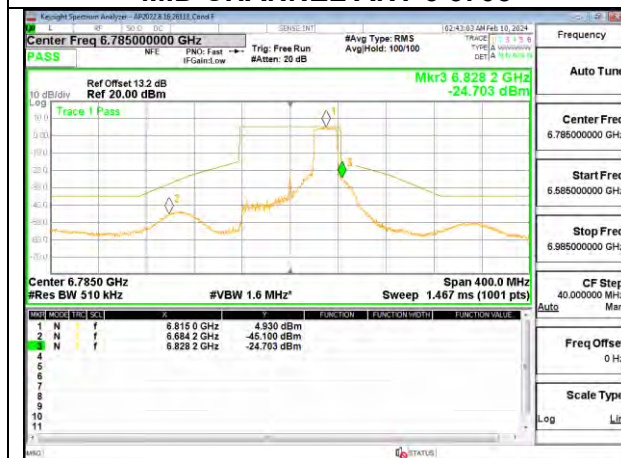
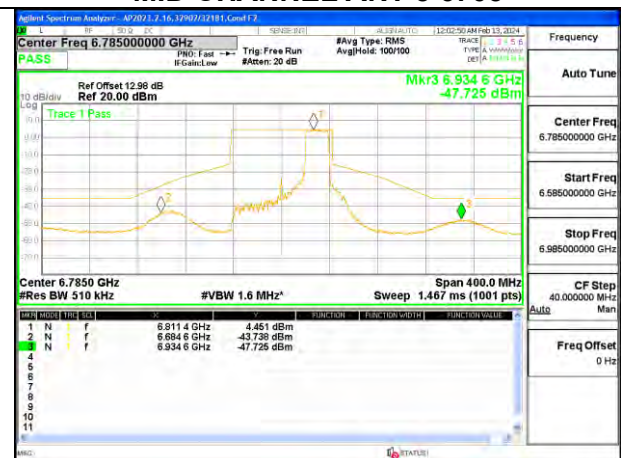
| Marker | Freq (GHz)  | Power (dBm) |
|--------|-------------|-------------|
| 1      | 6.830 2 GHz | -56.920 dBm |
| 2      | 6.837 0 GHz | -56.586 dBm |
| 3      | 6.871 4 GHz | -54.630 dBm |
| 4      | 6.837 0 GHz | -56.586 dBm |

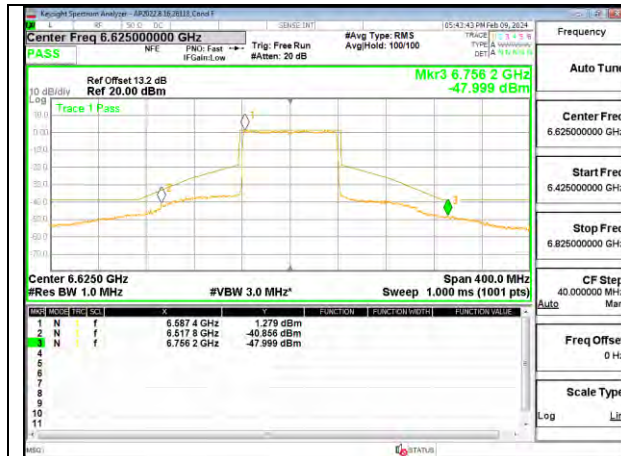
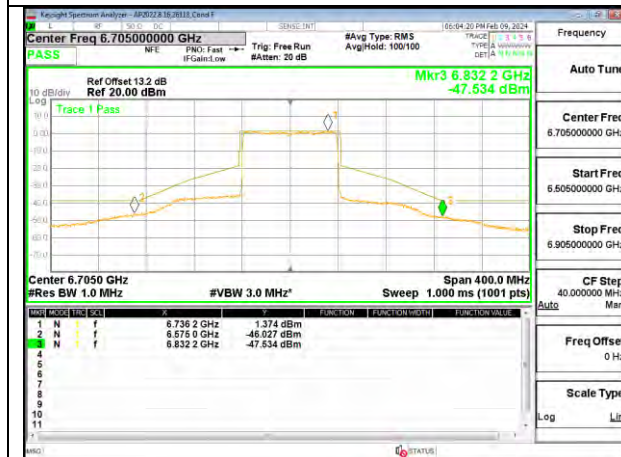
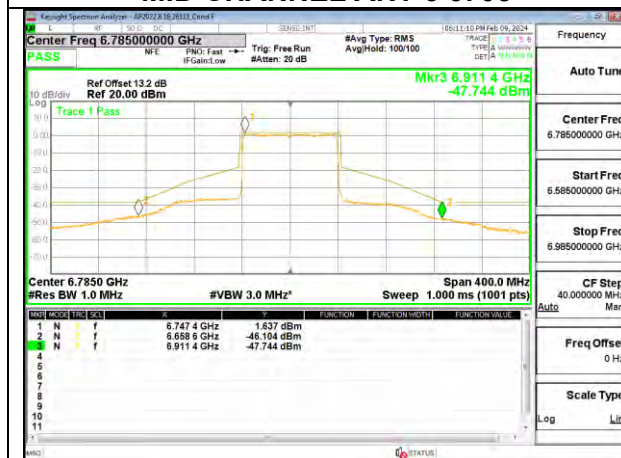
**Right Plot: MID CHANNEL ANT 5 6705**

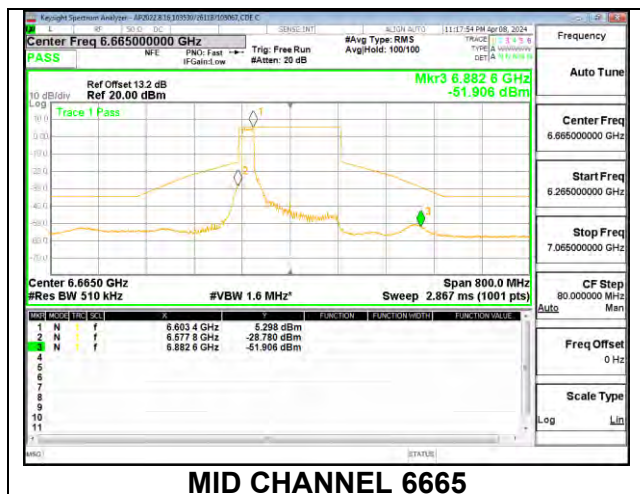
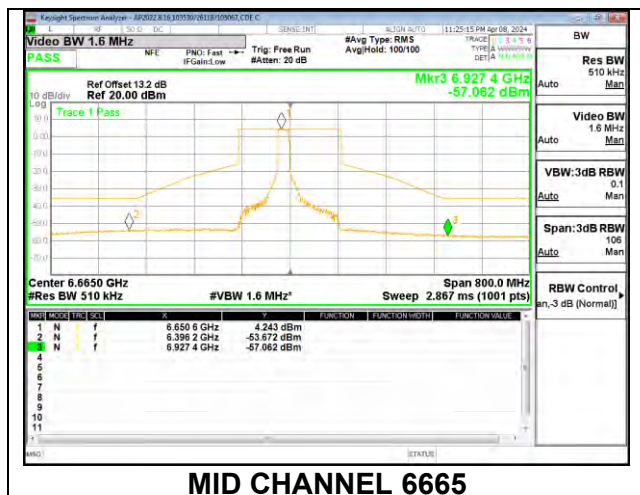
Center Freq 6.7050 GHz, Res BW 510 kHz, #VBW 1.6 MHz, Span 400.0 MHz, Sweep 1.467 ms (1001 pts)

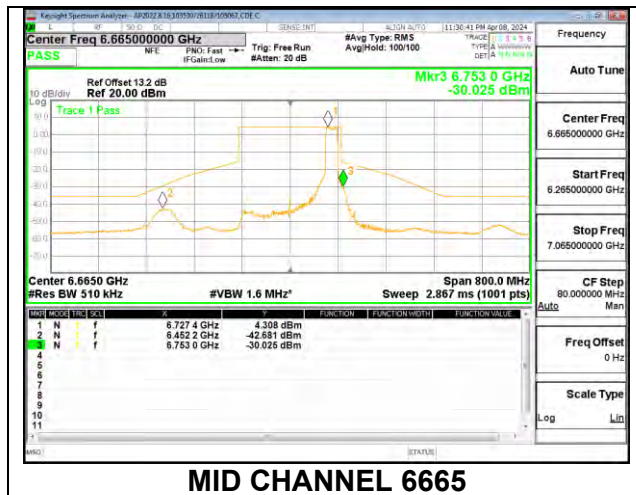
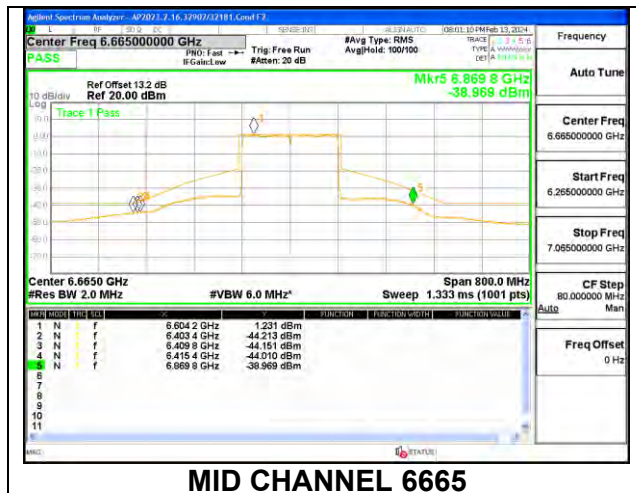
Peak 1: Mkr3 6.832 2 GHz, -55.042 dBm

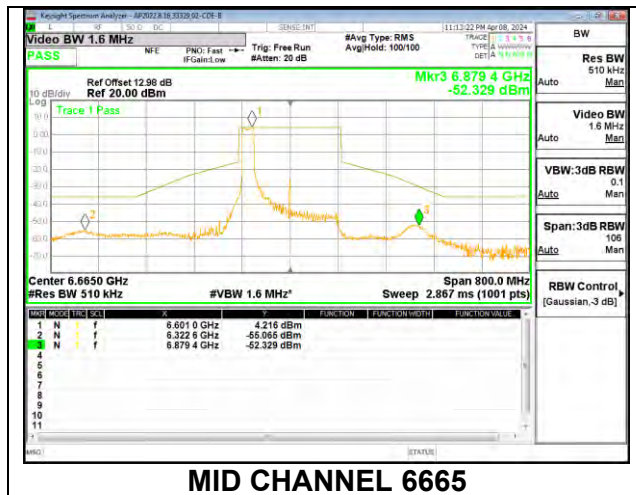
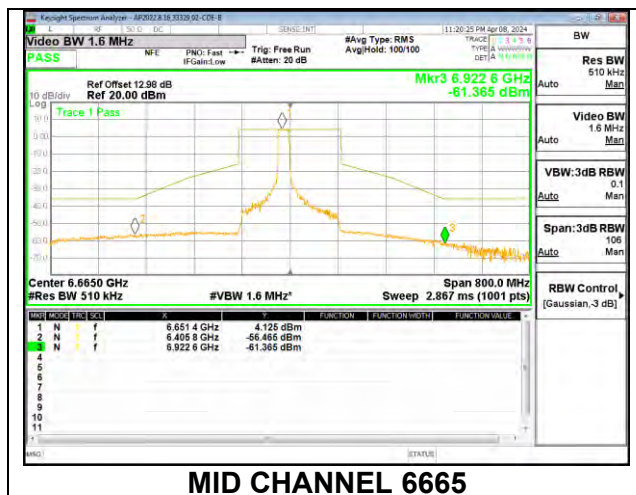
| Marker | Freq (GHz)  | Power (dBm) |
|--------|-------------|-------------|
| 1      | 6.834 6 GHz | -4.657 dBm  |
| 2      | 6.841 4 GHz | -53.341 dBm |
| 3      | 6.832 2 GHz | -55.042 dBm |

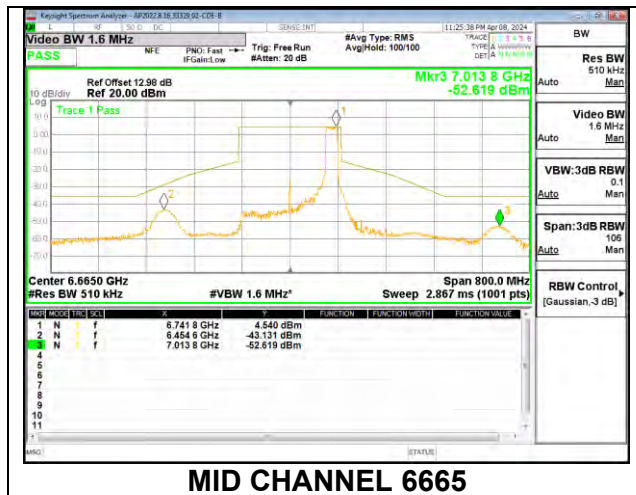
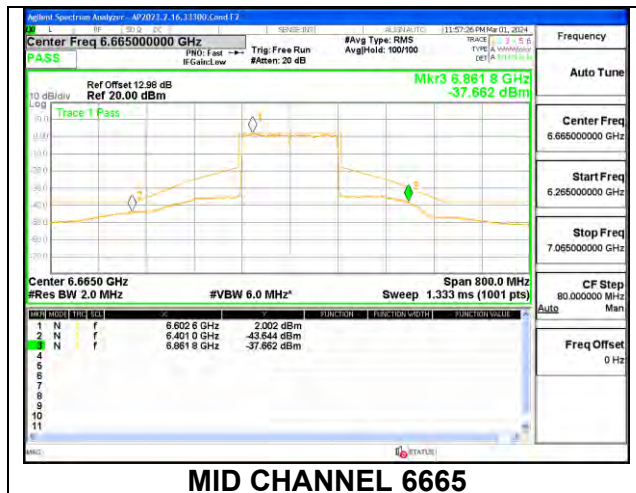
**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) – 242-Tones, RU Index 64****LOW CHANNEL ANT 6 6625****LOW CHANNEL ANT 5 6625****MID CHANNEL ANT 6 6705****MID CHANNEL ANT 5 6705****HIGH CHANNEL ANT 6 6785****HIGH CHANNEL ANT 5 6785**

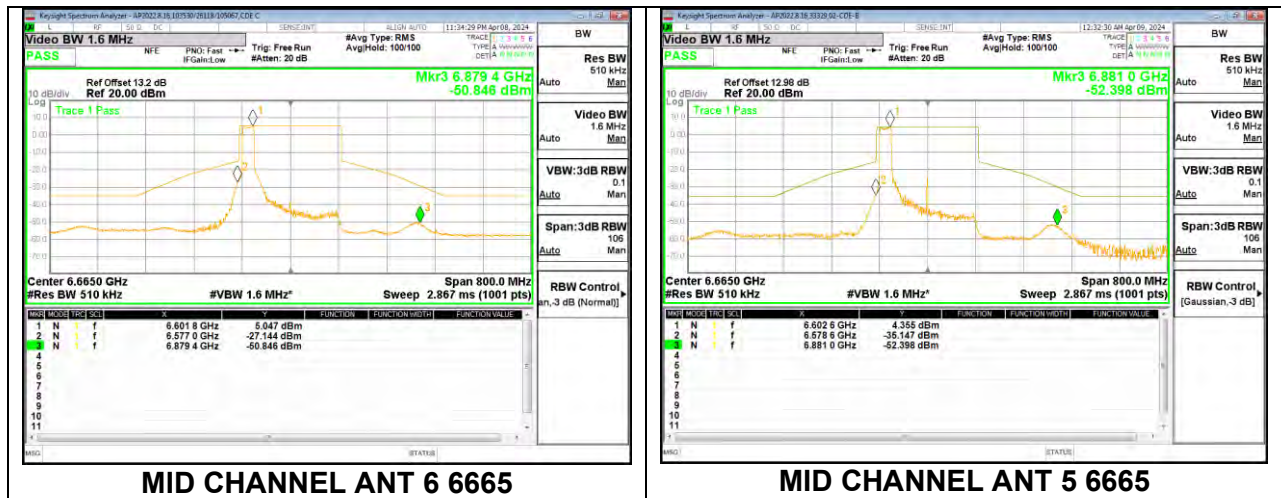
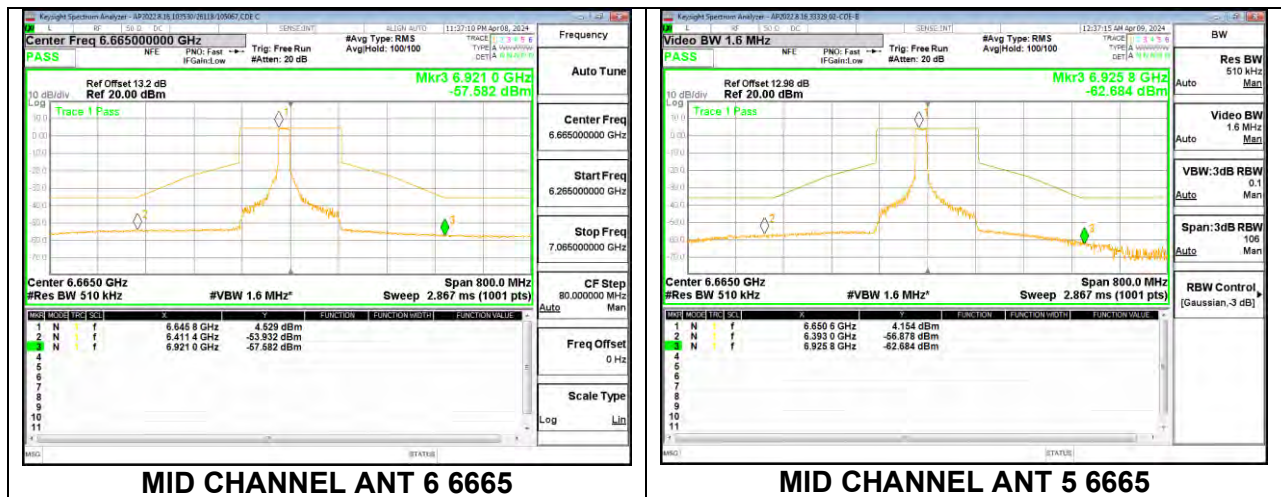
**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) – SU Mode****LOW CHANNEL ANT 6 6625****LOW CHANNEL ANT 5 6625****MID CHANNEL ANT 6 6705****MID CHANNEL ANT 5 6705****HIGH CHANNEL ANT 6 6785****HIGH CHANNEL ANT 5 6785**

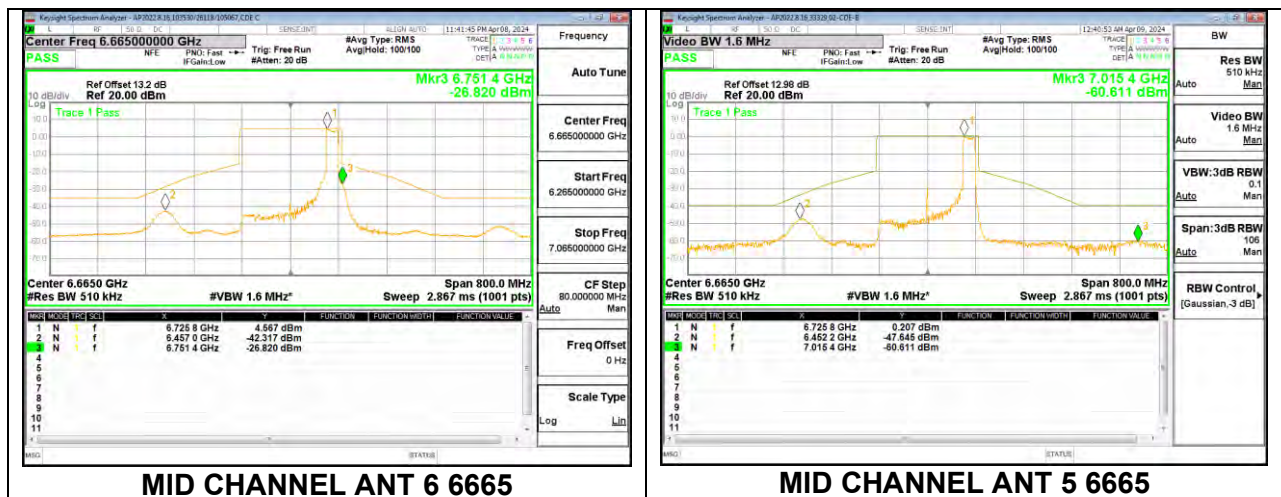
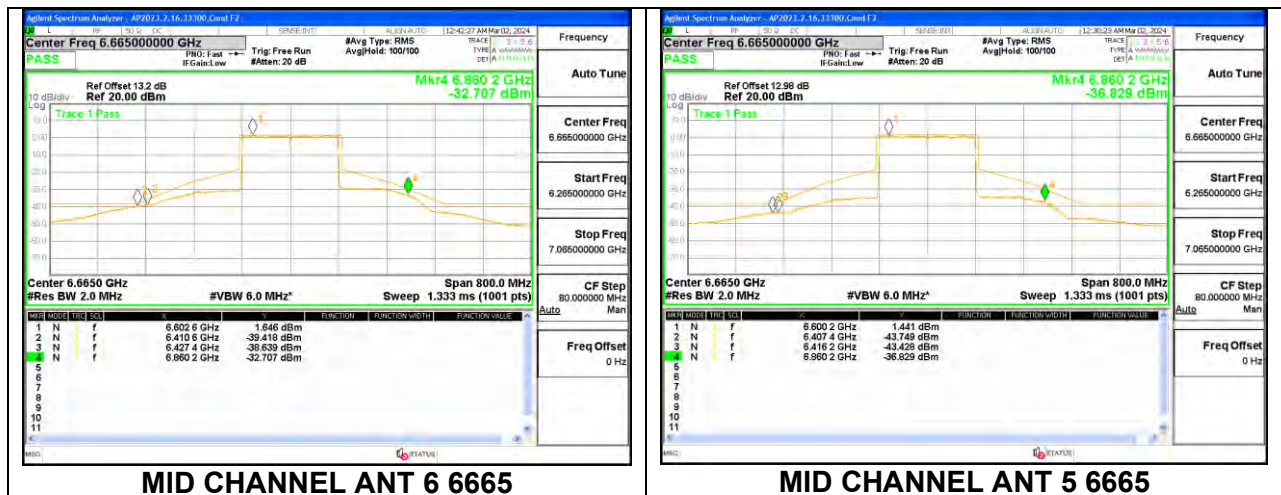
**9.7.8. 802.11be EHT160 MODE IN THE UNII-7 BAND****1TX Antenna 6 MODE (FCC+IC) MOBILE – 2642-Tones, RU Index 61****1TX Antenna 6 MODE (FCC+IC) MOBILE – 242-Tones, RU Index 64**

**1TX Antenna 6 MODE (FCC+IC) MOBILE – 242-Tones, RU Index S64****1TX Antenna 6 MODE (FCC+IC) MOBILE – SU MODE**

**1TX Antenna 5 MODE (FCC+IC) MOBILE – 242-Tones, RU Index 61****1TX Antenna 5 MODE (FCC+IC) MOBILE – 242-Tones, RU Index 64**

**1TX Antenna 5 MODE (FCC+IC) MOBILE – 242-Tones, RU Index S64****1TX Antenna 5 MODE (FCC+IC) MOBILE – SU MODE**

**2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – 242-Tones, RU Index 61****2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – 242-Tones, RU Index 64**

**2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – 242-Tones, RU Index S64****2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – SU Mode**

## 10. DUAL CLIENT TEST/ CLIENT DEVICE - POWER ADJUSTMENT

### LIMITS

FCC §15.407(a) (7), (8)

(7) For client devices, except for fixed client devices as defined in this subpart, operating under the control of a standard power access point in 5.925–6.425 GHz and 6.525–6.875 GHz bands, the maximum power spectral density must not exceed 17 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm and the device must limit its power to no more than 6 dB below its associated standard power access point's authorized transmit power.

(8) For client devices operating under the control of an indoor access point in the 5.925–7.125 GHz bands, the maximum power spectral density must not exceed –1 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

### TEST PROCEDURE

Per KDB 987594 D02 v02r01 (II) (K) and (II) (L)

#### **(II) (K) . Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP**

A client device may connect to a Standard Power AP with a maximum power level of 30 dBm EIRP. A client may also connect to a Low Power indoor AP, but the power level is limited to a maximum of 24 dBm EIRP. If a client has the flexibility to connect to both APs, verification is needed to show that it can distinguish between the two configurations, and then control the power levels accordingly.

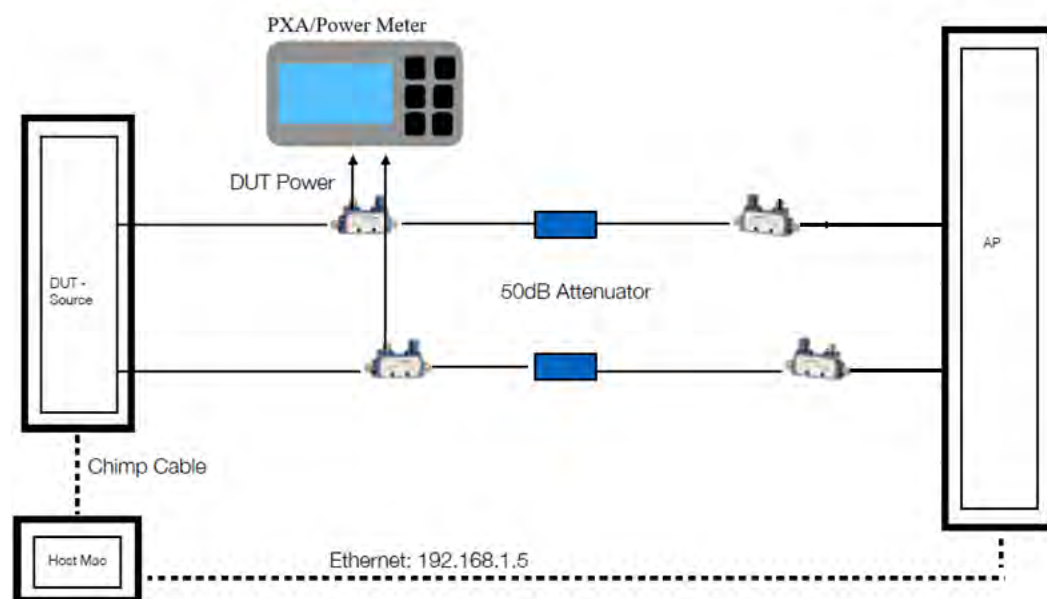
#### **(II) (L). Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point**

A client device that connects to a Standard Power AP must limit its power to a minimum of 6 dB lower than its associated Standard Power access point's authorized transmit power. The term "authorized" means the AFC-approved power level for the AP to use on a particular channel.

## **SET UP**

The following setup was used to meet requirements for sections (II)(K) and (II)(L) for a dual client device. It verifies EUT ability to distinguish between an LPI AP and SP AP and operate at the power level permitted for each.

The AP used [Broadcom BCM94916REF2] is a dual mode AP. For the test against section (II)(K) the AP was initially in SP mode and then switched to VPI mode to verify the DUT client device also switched to SP client mode to LPI client mode. To test (II)(L) the AP was set in SP mode and configured for different power levels as shown in table to verify the DUT client device was operating at a level of at least 6dB lower than the AP designated power.



**RESULTS FOR DUAL CLIENT TEST**

|                   |            |
|-------------------|------------|
| <b>Tested By:</b> | GA 12485   |
| <b>Date:</b>      | 2024-07-03 |

| EUT Frequency<br>(MHz) | AFC<br>Authorized<br>EIRP Power for AP<br>(dBm) | Dual Client<br>MIMO EIRP<br>(dBm) | Results<br>(Pass/Fail)<br>(EUT-AFC<br>Authorized AP<br>Power <= -6dB) |
|------------------------|-------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------|
| 5975                   | 36                                              | 15.29                             | Pass                                                                  |
|                        | 28                                              | 14.98                             | Pass                                                                  |
|                        | 21                                              | 11.23                             | Pass                                                                  |

Table above shows dual client power levels operate at least 6dB lower than the authorized SP AP power level.

The client power level when connected to the SP AP (15.29dBm maximum, see table above) was below the maximum power allowed for a LPI client (24dBm EIRP). The following plot clearly shows that the client device dropped power when switching from SP (Mark 1) to LPI (Mark 2) networks and therefore it meets the (II) (K), Dual Client Test.



## 11. SETUP PHOTOS

Refer to 14982484-EP1V1 FCC IC Setup\_Photo for setup photos.

## END OF TEST REPORT