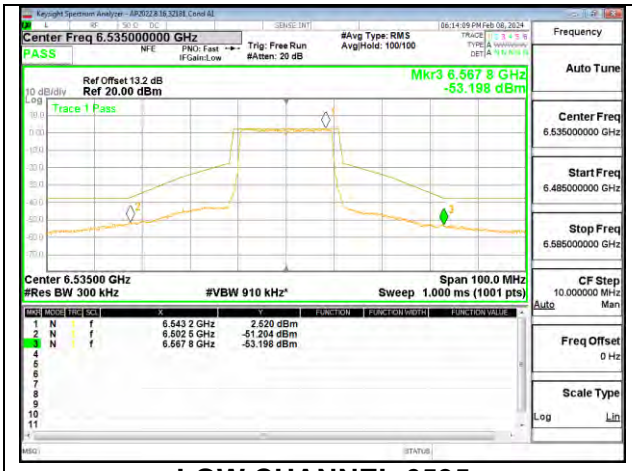
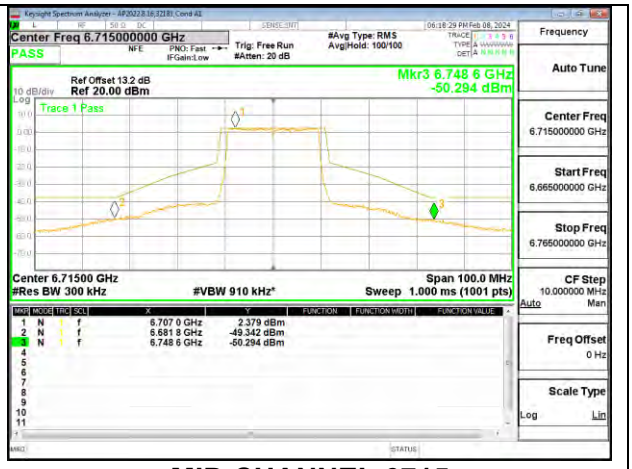
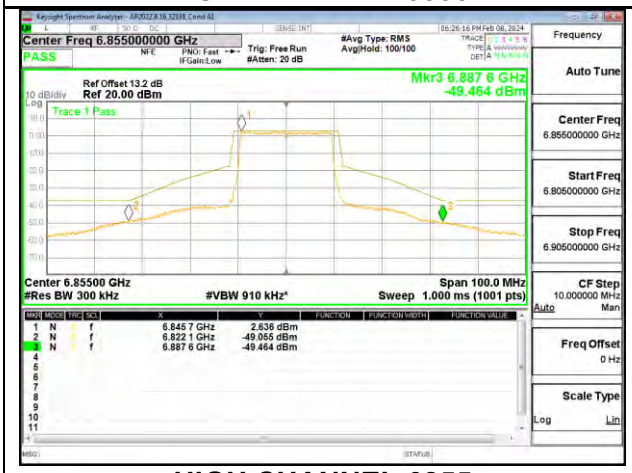
1TX Antenna 6 MODE (FCC+IC) MOBILE – SU MODE



LOW CHANNEL 6535



MID CHANNEL 6715



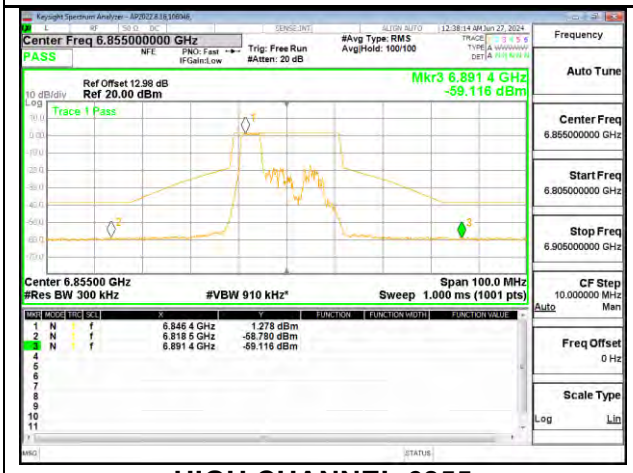
HIGH CHANNEL 6855

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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

LOW CHANNEL 6535

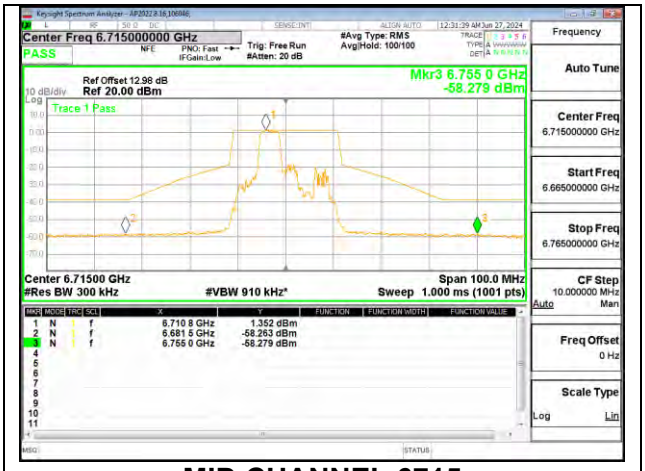
MID CHANNEL 6715



HIGH CHANNEL 6855

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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

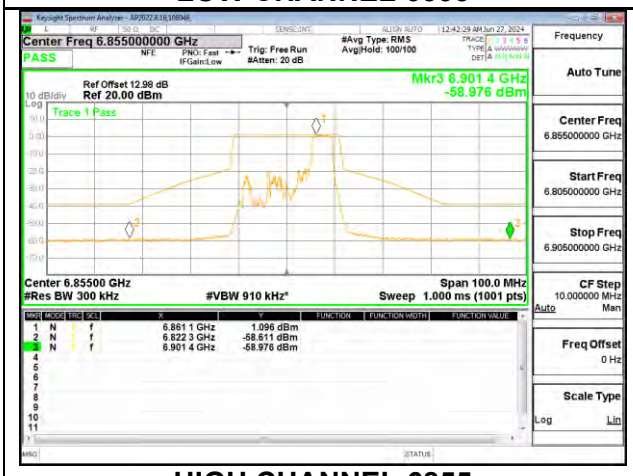


MID CHANNEL 6715

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

LOW CHANNEL 6535

MID CHANNEL 6715

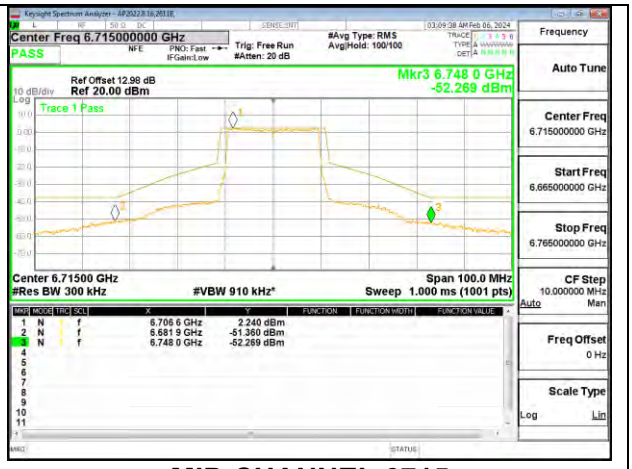


HIGH CHANNEL 6855

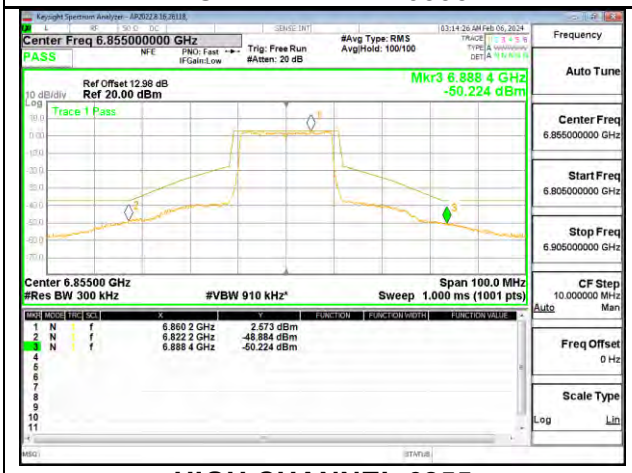
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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

LOW CHANNEL 6535



MID CHANNEL 6715



HIGH CHANNEL 6855

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

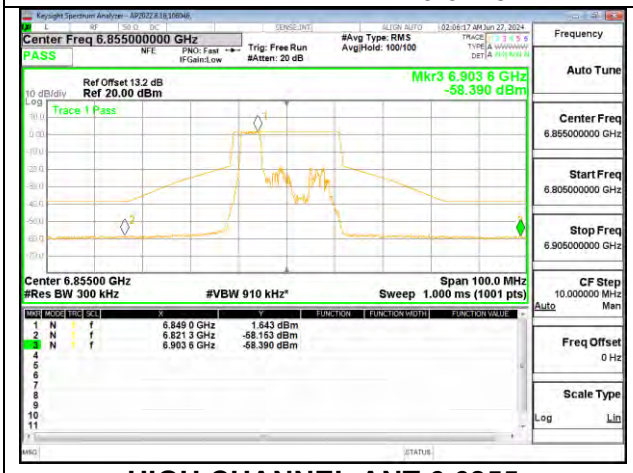
2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – 52-Tones, RU Index 37

LOW CHANNEL ANT 6 6535

LOW CHANNEL ANT 5 6535

MID CHANNEL ANT 6 6715

MID CHANNEL ANT 5 6715

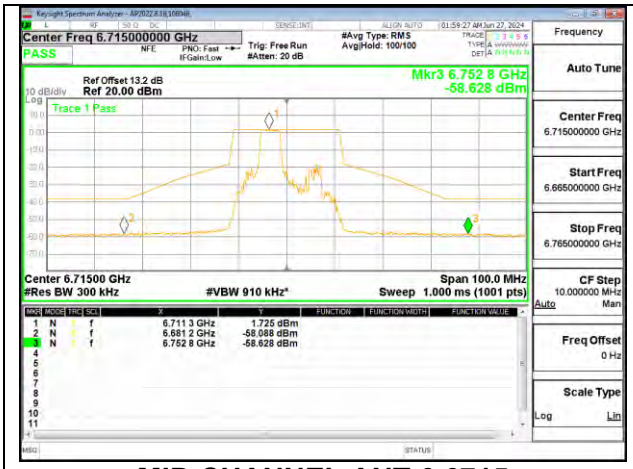


HIGH CHANNEL ANT 6 6855

HIGH CHANNEL ANT 5 6855

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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



MID CHANNEL ANT 6 6715

MID CHANNEL ANT 5 6715

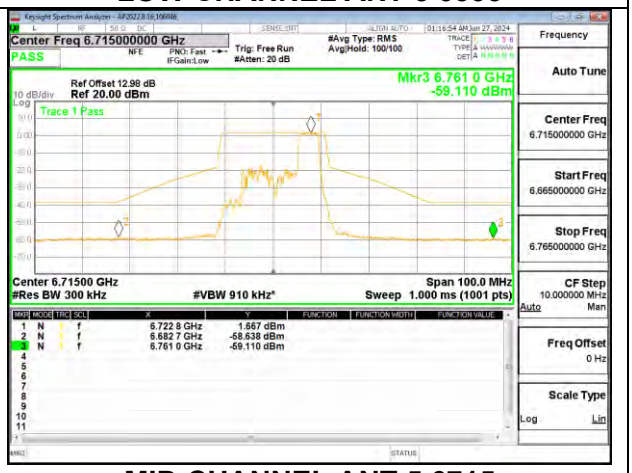
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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

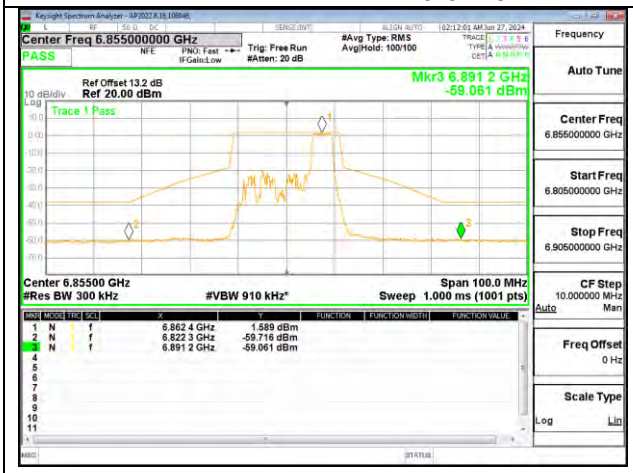
LOW CHANNEL ANT 6 6535

LOW CHANNEL ANT 5 6535

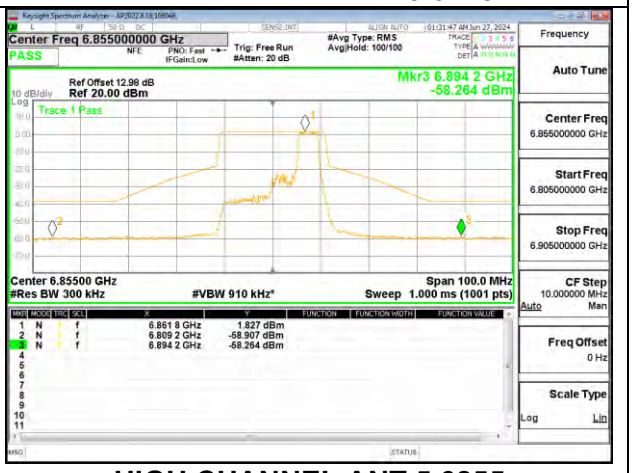
MID CHANNEL ANT 6 6715



MID CHANNEL ANT 5 6715



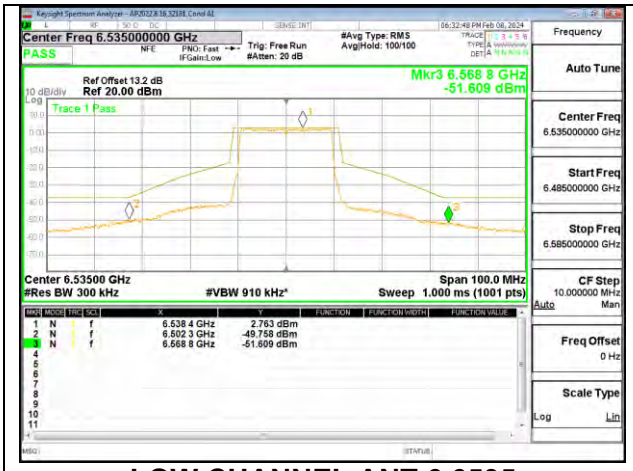
HIGH CHANNEL ANT 6 6855



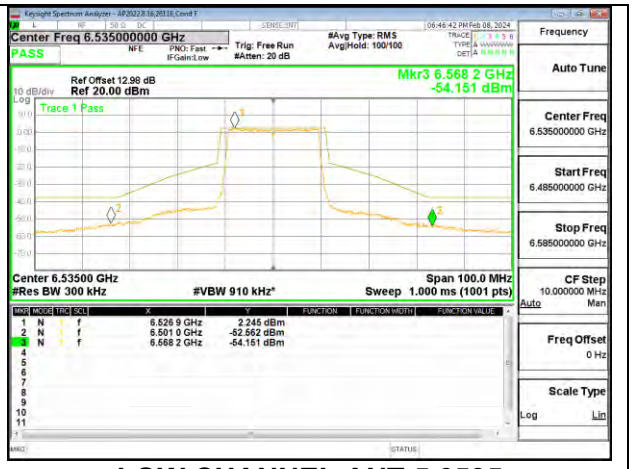
HIGH CHANNEL ANT 5 6855

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

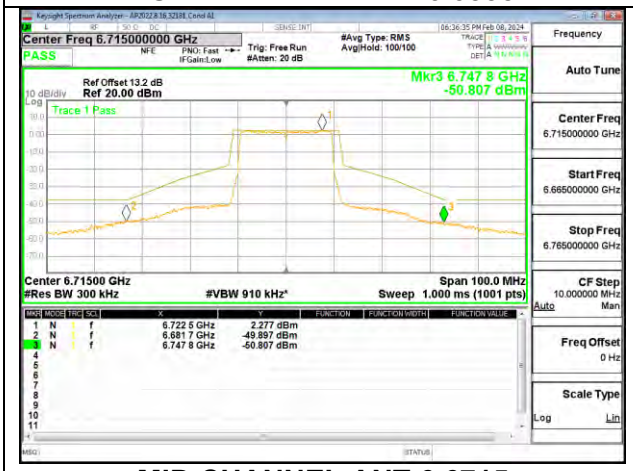
2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – SU MODE



LOW CHANNEL ANT 6 6535



LOW CHANNEL ANT 5 6535



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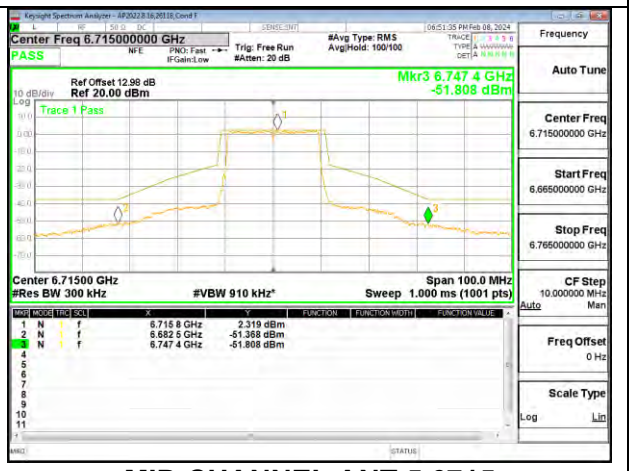
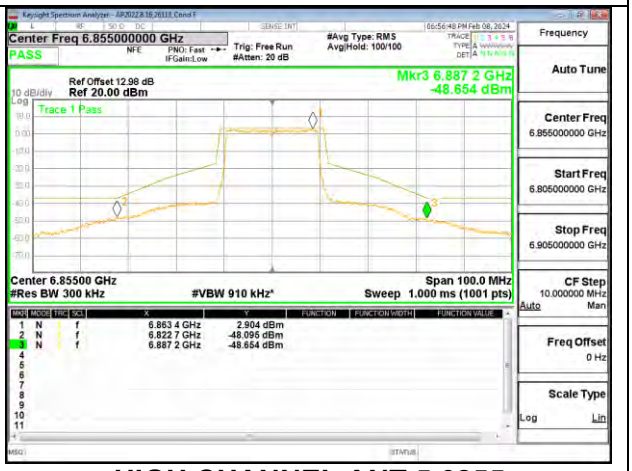


MID CHANNEL ANT 5 6715

HIGH CHANNEL ANT 6 6855

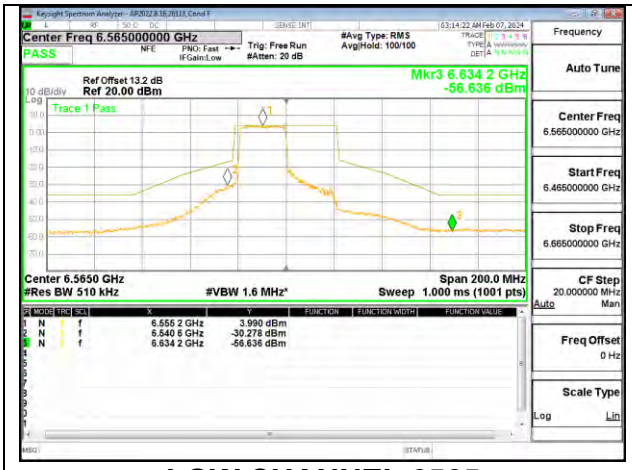


HIGH CHANNEL ANT 5 6855

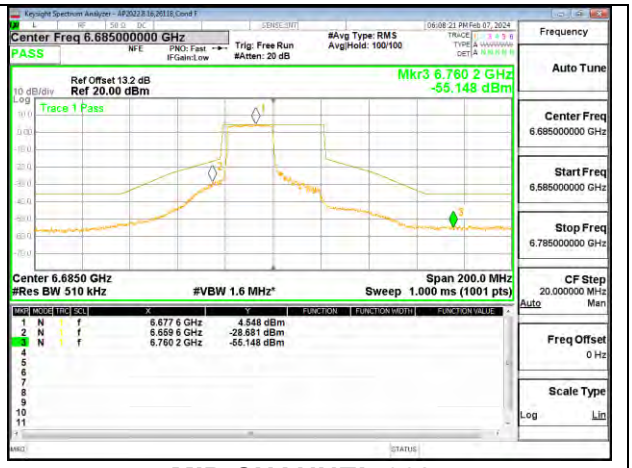
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

9.7.6. 802.11be EHT40 MODE IN THE UNII-7 BAND

1TX Antenna 6 MODE (FCC+IC) MOBILE – 242-Tones, RU Index 61



LOW CHANNEL 6565

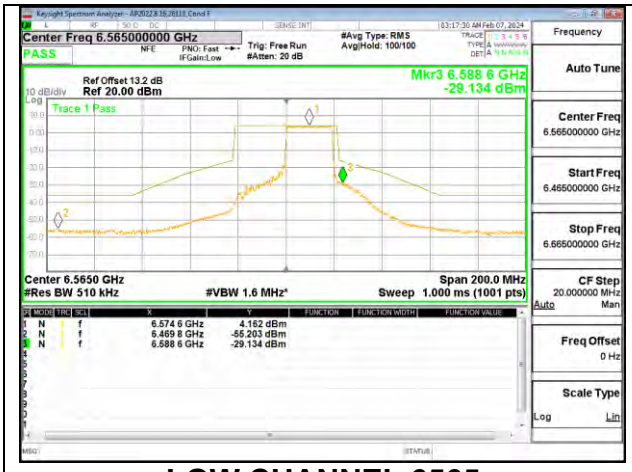


MID CHANNEL 6685

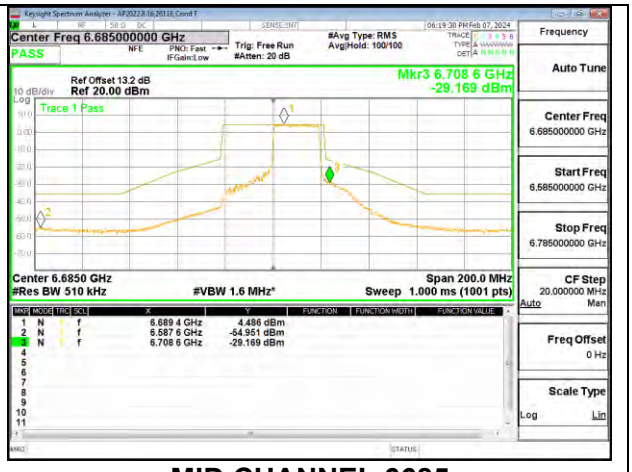
HIGH CHANNEL 6845

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

1TX Antenna 6 MODE (FCC+IC) MOBILE – 242-Tones, RU Index 62



LOW CHANNEL 6565

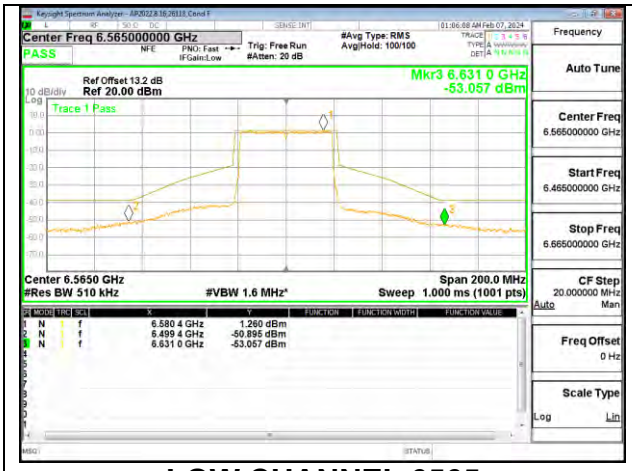


MID CHANNEL 6685

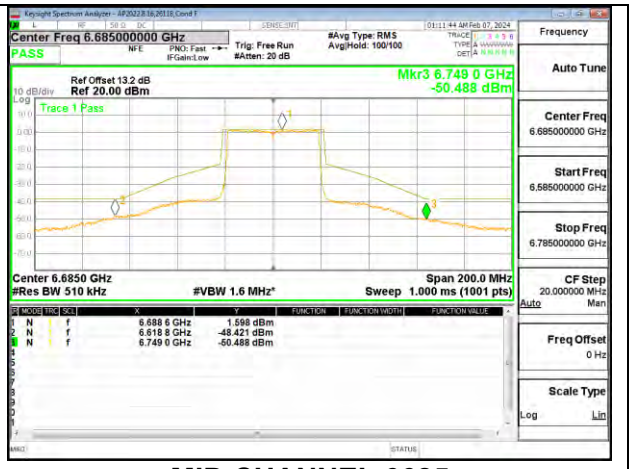
HIGH CHANNEL 6845

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

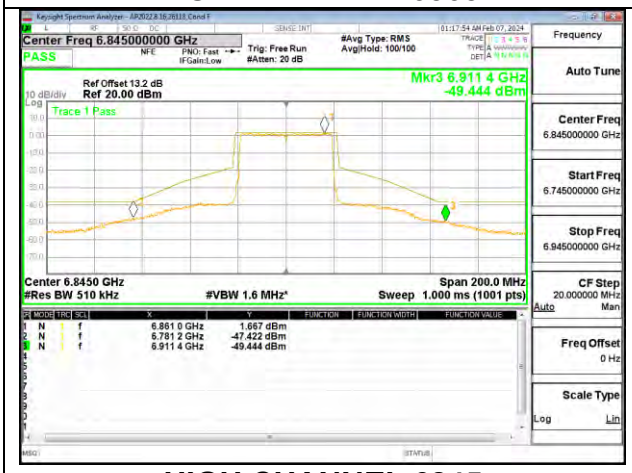
1TX Antenna 6 MODE (FCC+IC) MOBILE – SU MODE



LOW CHANNEL 6565



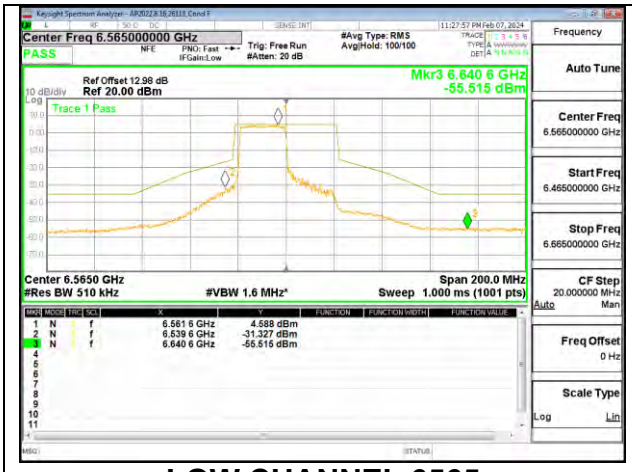
MID CHANNEL 6685



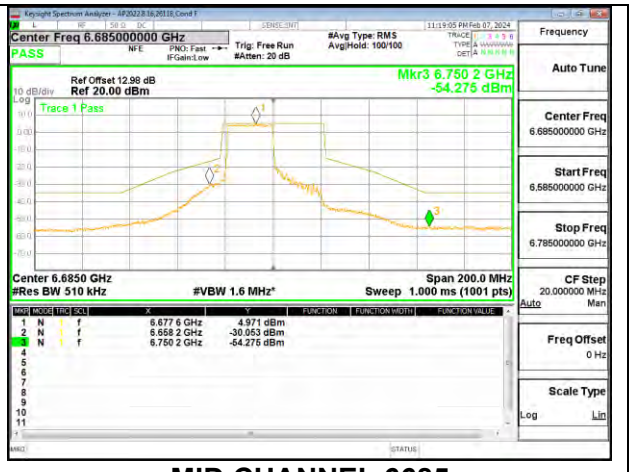
HIGH CHANNEL 6845

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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



LOW CHANNEL 6565



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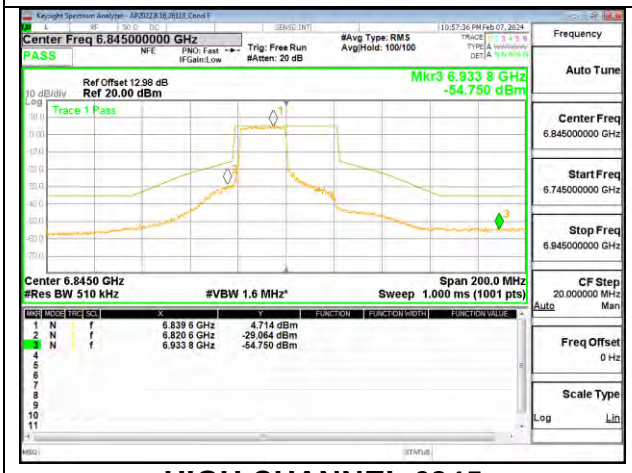
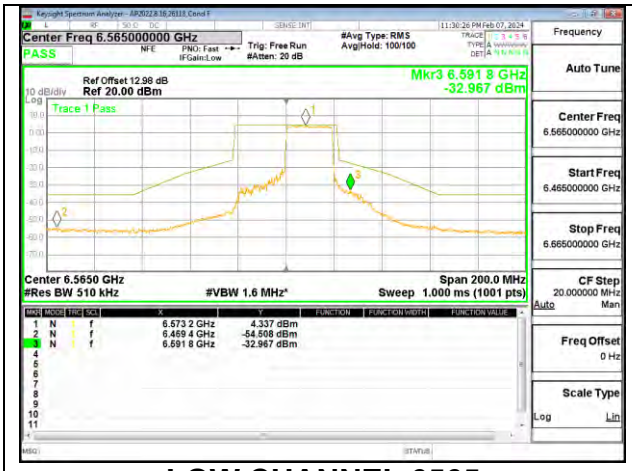


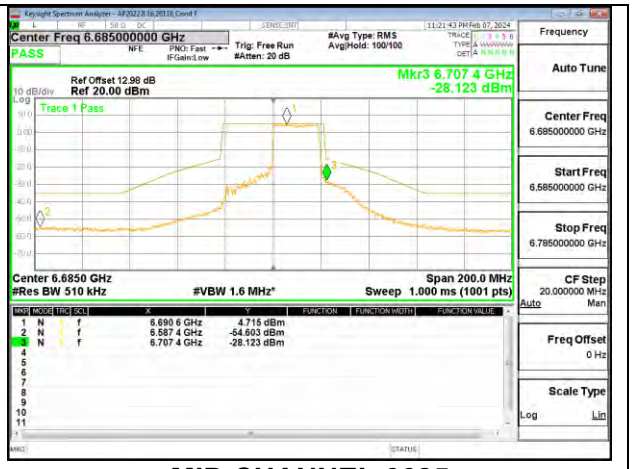
HIGH CHANNEL 6845

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

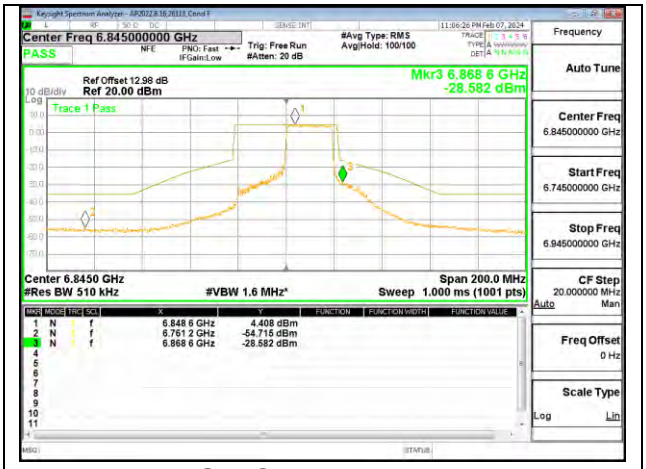
1TX Antenna 5 MODE (FCC+IC) MOBILE – 242-Tones, RU Index 62



LOW CHANNEL 6565



MID CHANNEL 6685

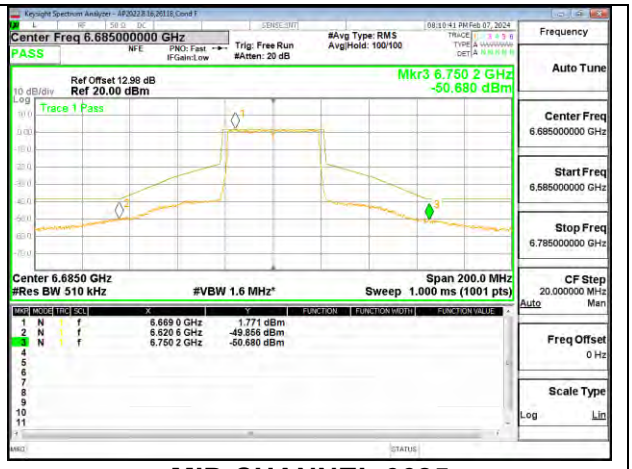


HIGH CHANNEL 6845

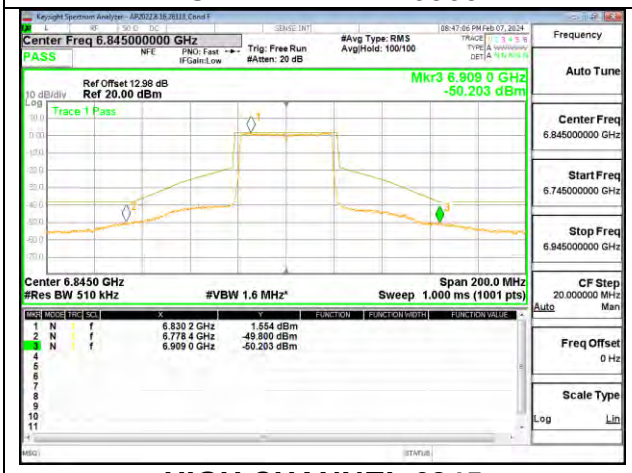
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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

LOW CHANNEL 6565



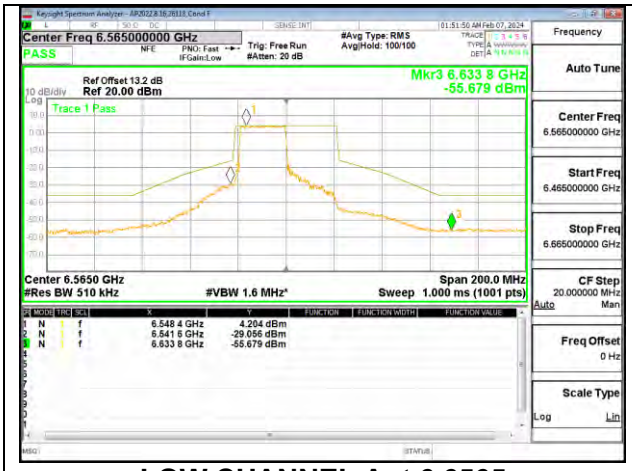
MID CHANNEL 6685



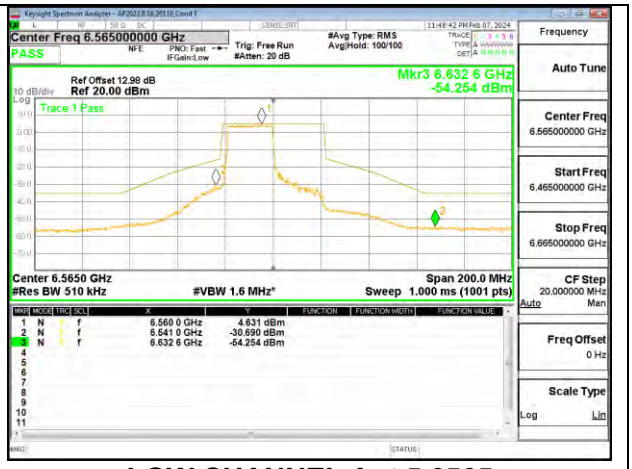
HIGH CHANNEL 6845

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

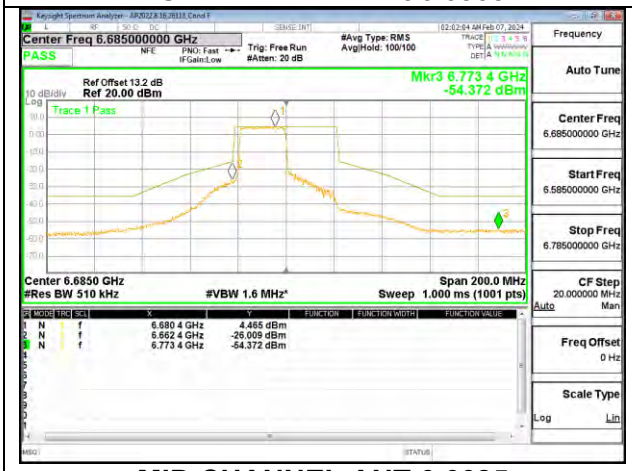
2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – 242-Tones, RU Index 61



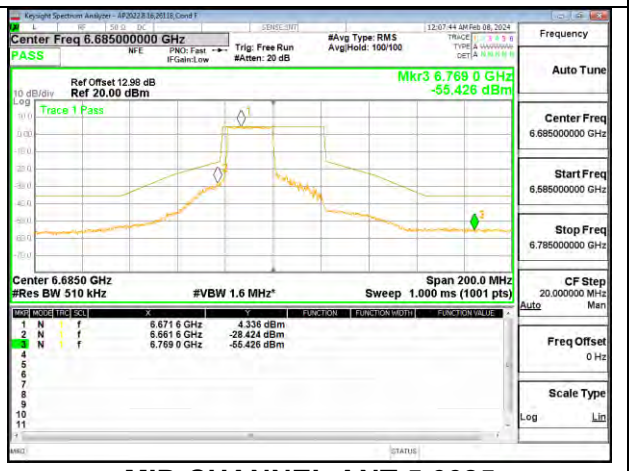
LOW CHANNEL Ant 6 6565



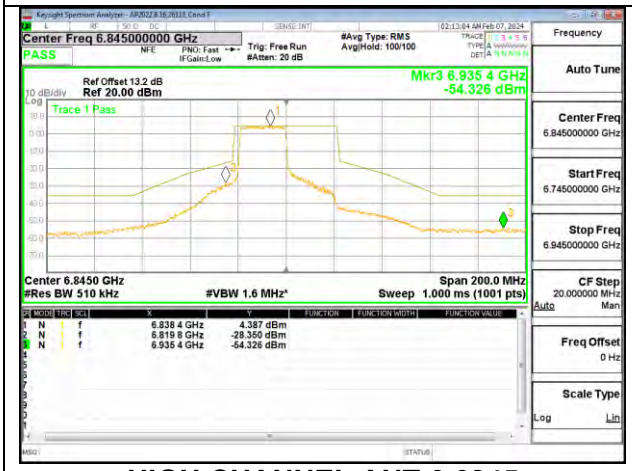
LOW CHANNEL Ant 5 6565



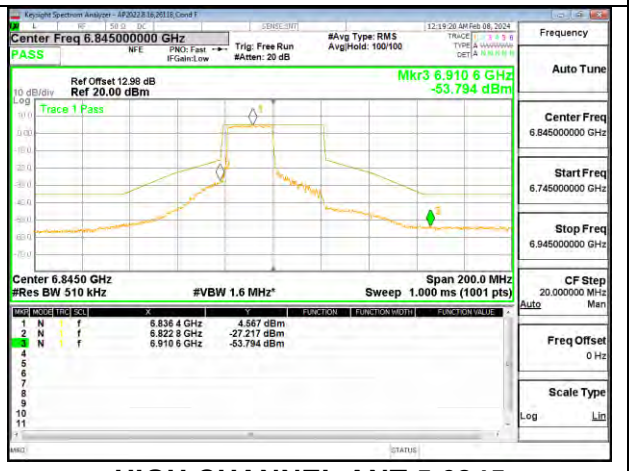
MID CHANNEL ANT 6 6685



MID CHANNEL ANT 5 6685



HIGH CHANNEL ANT 6 6845

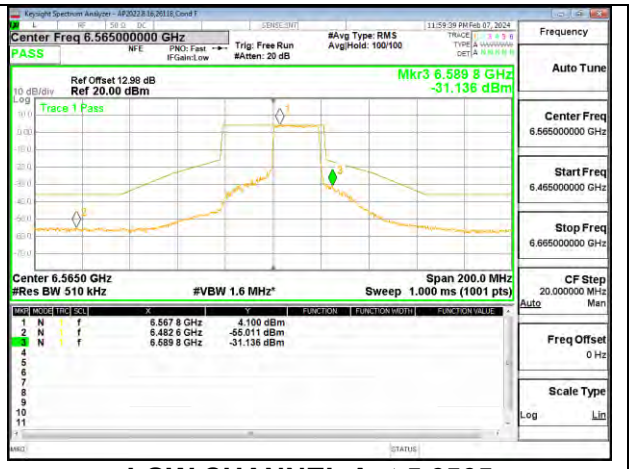


HIGH CHANNEL ANT 5 6845

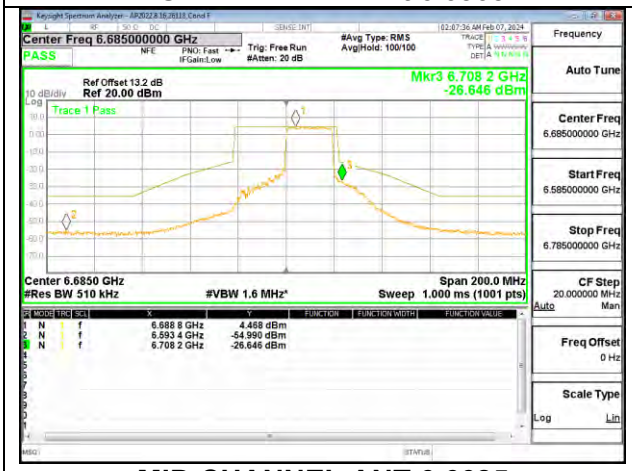
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – 242-Tones, RU Index 62

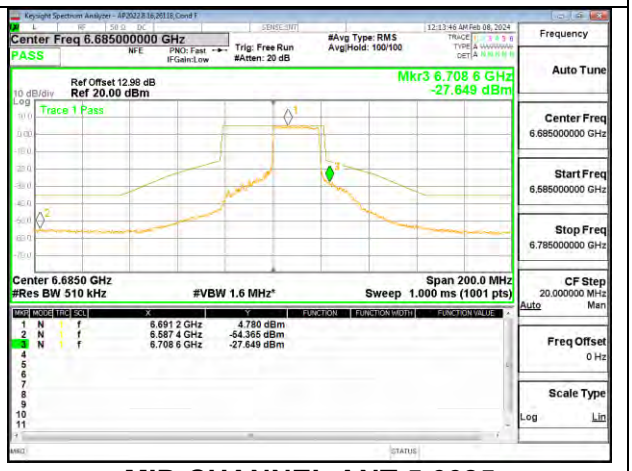
LOW CHANNEL Ant 6 6565



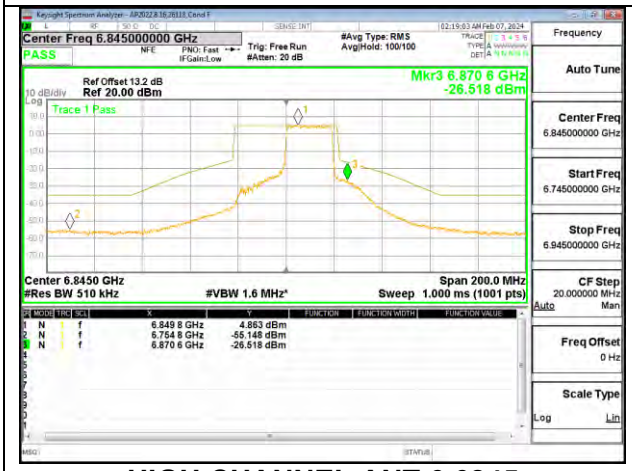
LOW CHANNEL Ant 5 6565



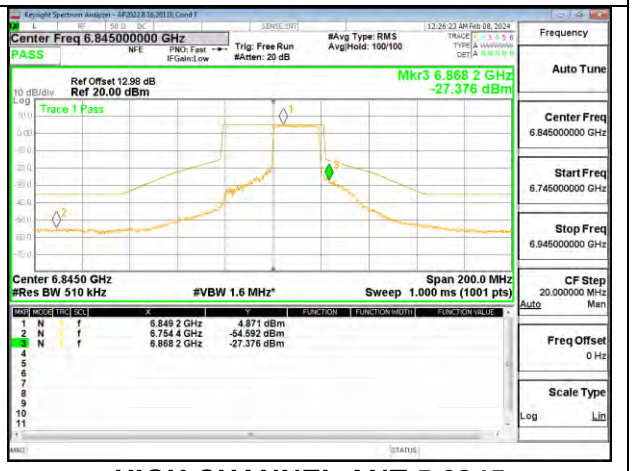
MID CHANNEL ANT 6 6685



MID CHANNEL ANT 5 6685



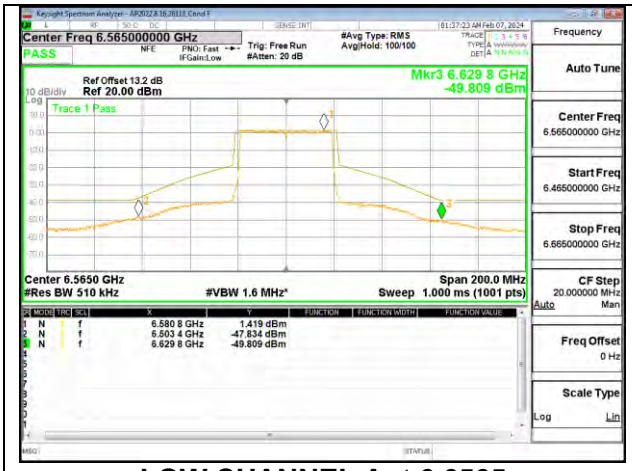
HIGH CHANNEL ANT 6 6845



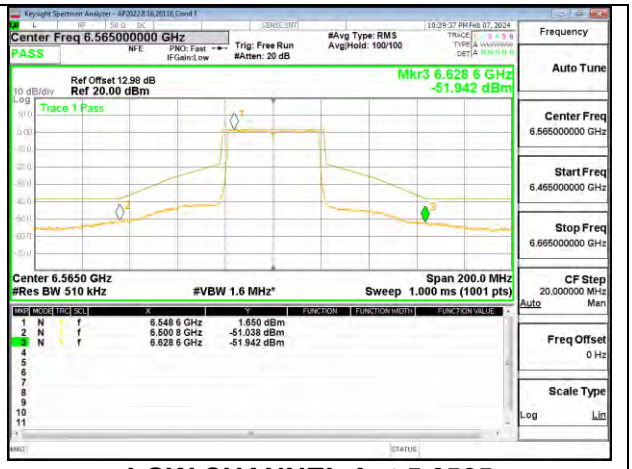
HIGH CHANNEL ANT 5 6845

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

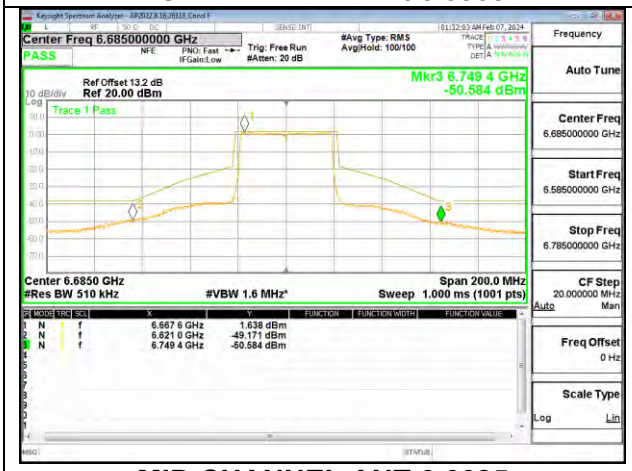
2TX Antenna 6 + Antenna 5 CDD MODE (FCC + IC) – SU MODE



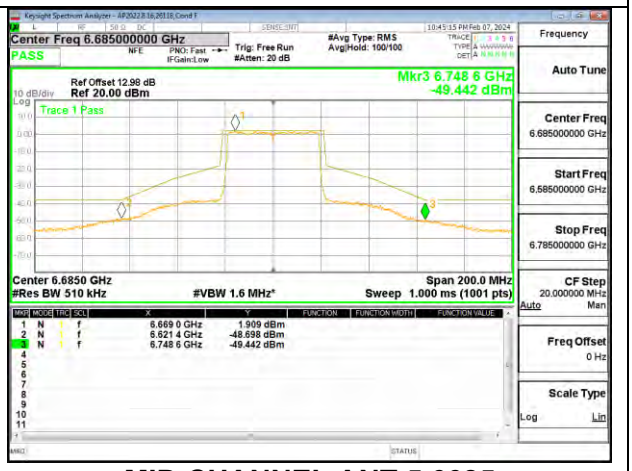
LOW CHANNEL Ant 6 6565



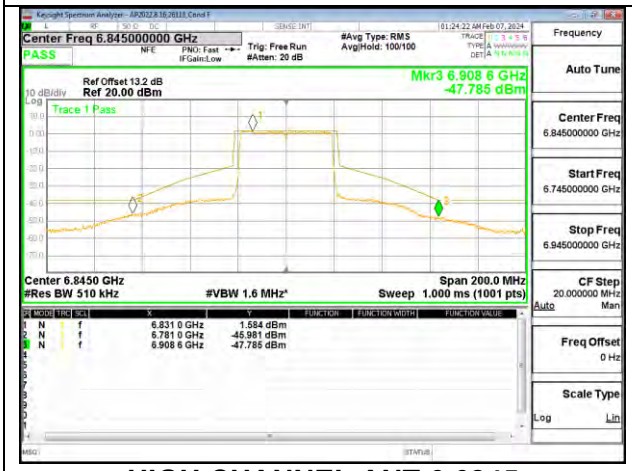
LOW CHANNEL Ant 5 6565



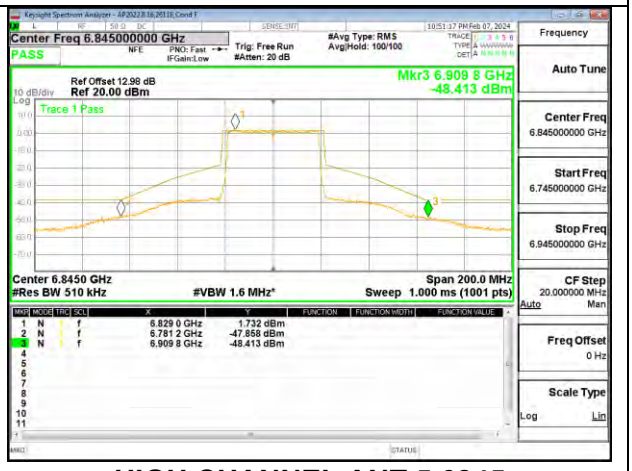
MID CHANNEL ANT 6 6685



MID CHANNEL ANT 5 6685



HIGH CHANNEL ANT 6 6845

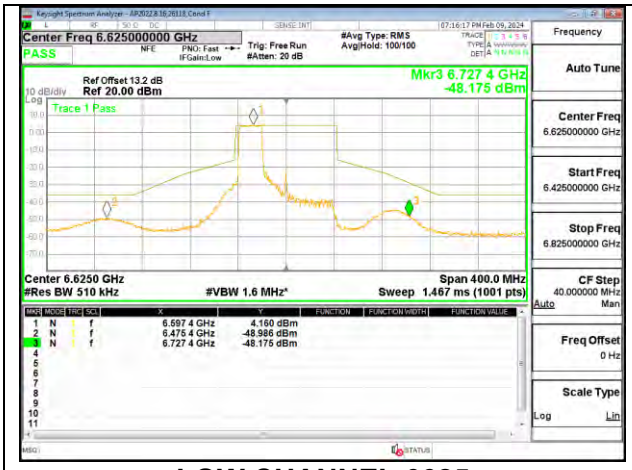


HIGH CHANNEL ANT 5 6845

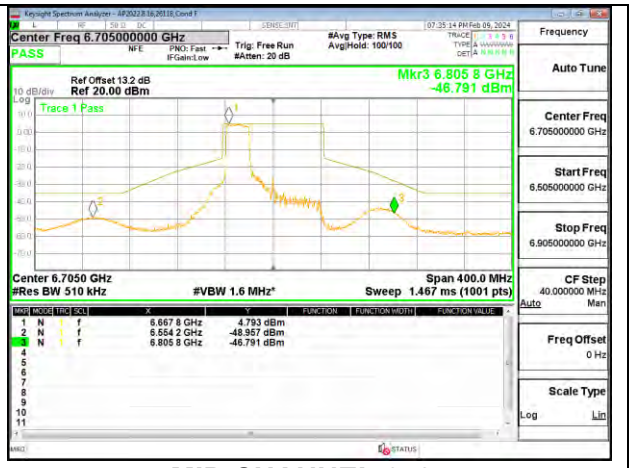
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

9.7.7. 802.11be EHT80 MODE IN THE UNII-7 BAND

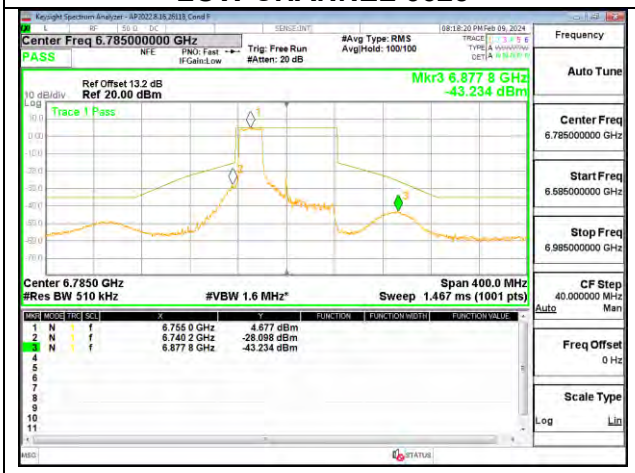
1TX Antenna 6 MODE (FCC) MOBILE – 242-Tones, RU Index 61



LOW CHANNEL 6625



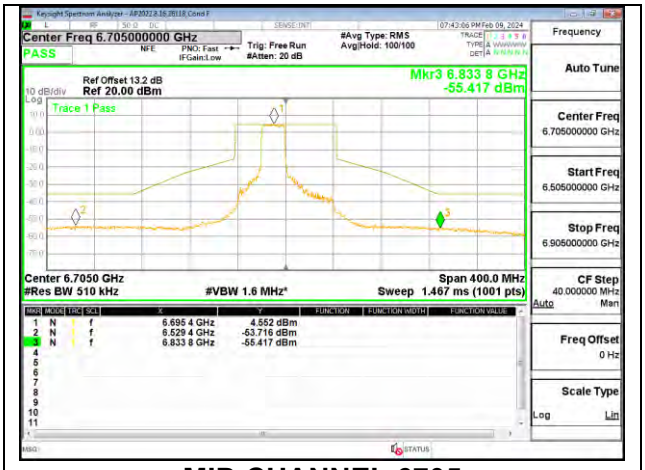
MID CHANNEL 6705



HIGH CHANNEL 6785

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

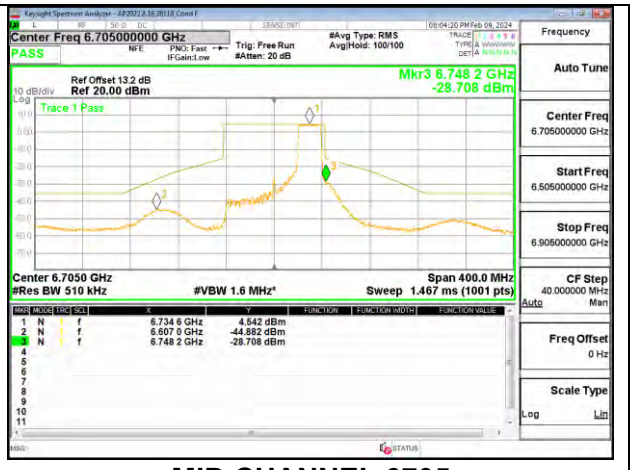
1TX Antenna 6 MODE (FCC) MOBILE – 242-Tones, RU Index 62



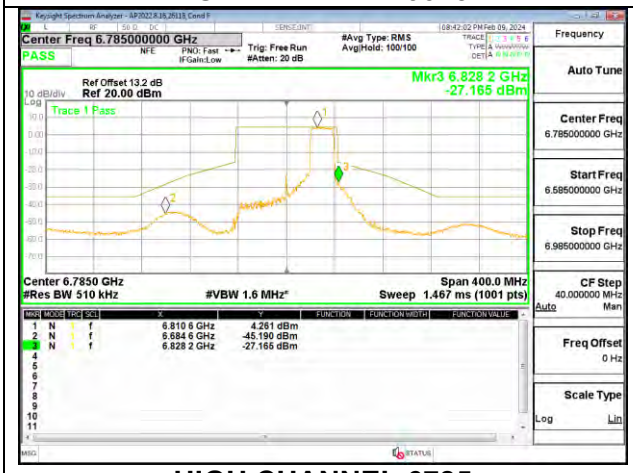
MID CHANNEL 6705

1TX Antenna 6 MODE (FCC) MOBILE – 242-Tones, RU Index 64

LOW CHANNEL 6625



MID CHANNEL 6705

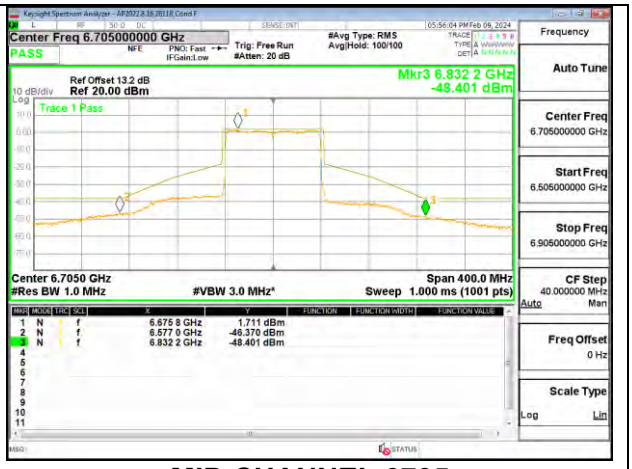


HIGH CHANNEL 6785

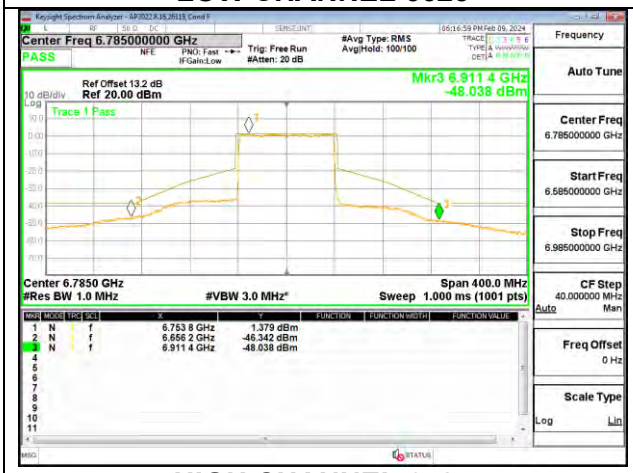
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

1TX Antenna 6 MODE (FCC) MOBILE – SU MODE

LOW CHANNEL 6625



MID CHANNEL 6705



HIGH CHANNEL 6785

UL VERIFICATION SERVICES INC.
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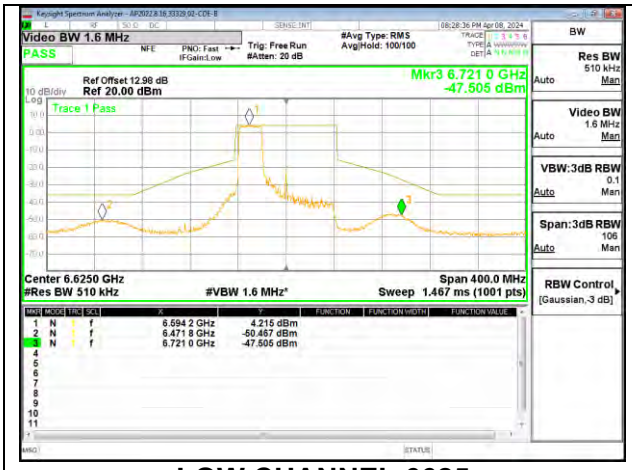
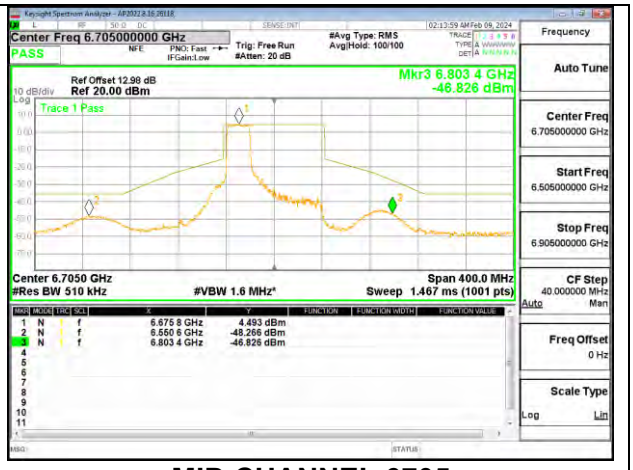
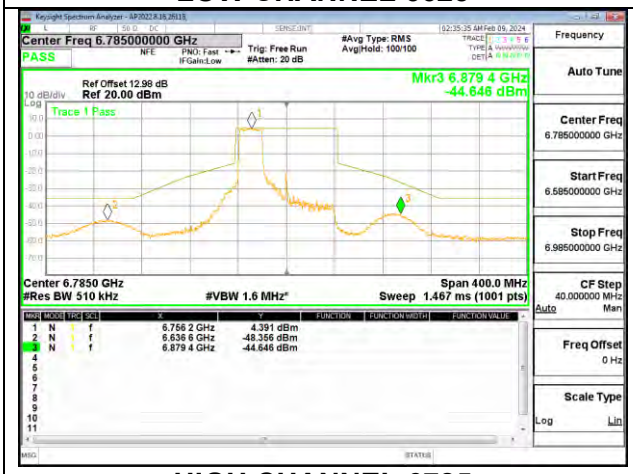
1TX Antenna 5 MODE (FCC) MOBILE – 242-Tones, RU Index 61



LOW CHANNEL 6625



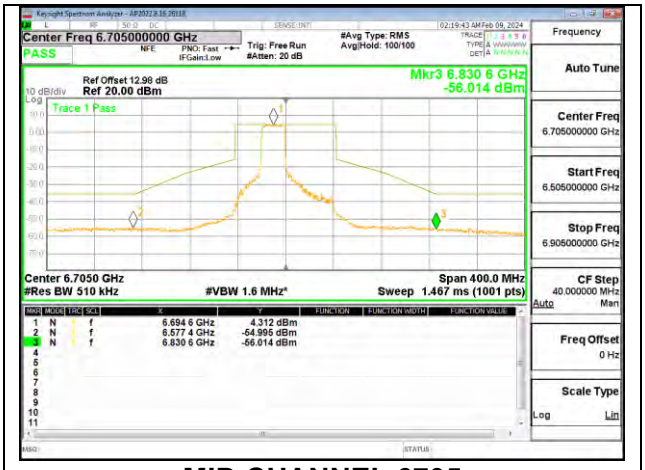
MID CHANNEL 6705



HIGH CHANNEL 6785

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

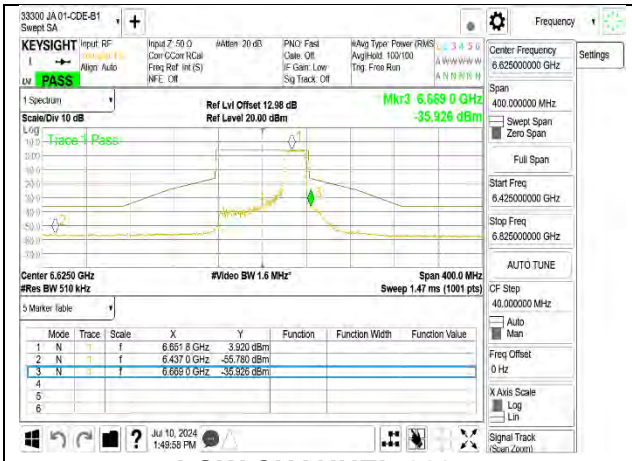
1TX Antenna 5 MODE (FCC) MOBILE – 242-Tones, RU Index 62



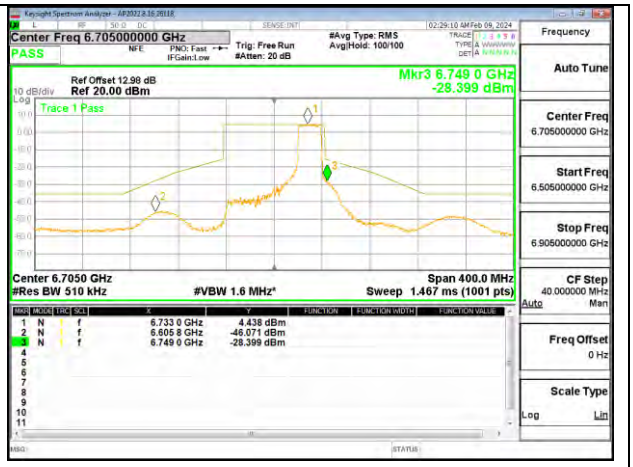
MID CHANNEL 6705

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

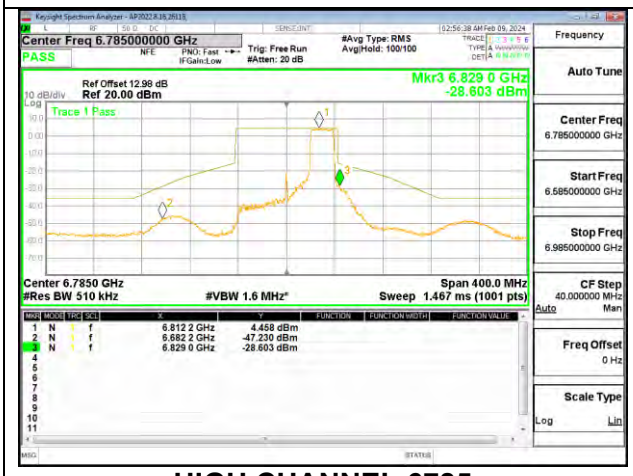
1TX Antenna 5 MODE (FCC) MOBILE – 242-Tones, RU Index 64



LOW CHANNEL 6625



MID CHANNEL 6705

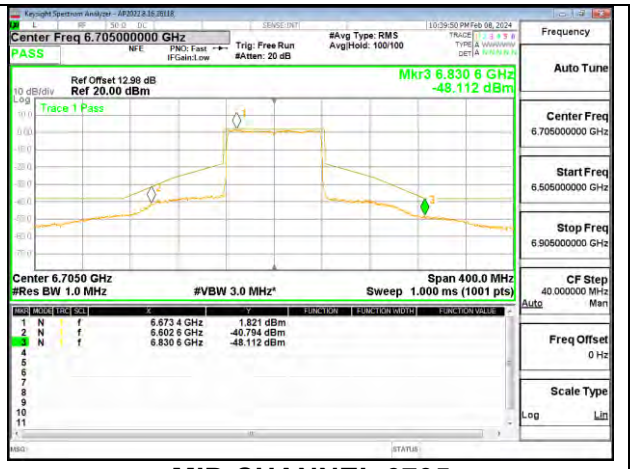


HIGH CHANNEL 6785

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

1TX Antenna 5 MODE (FCC) MOBILE – SU MODE

LOW CHANNEL 6625



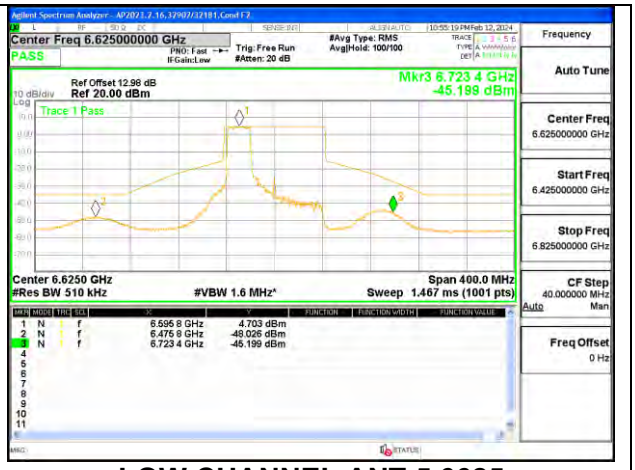
MID CHANNEL 6705

HIGH CHANNEL 6785

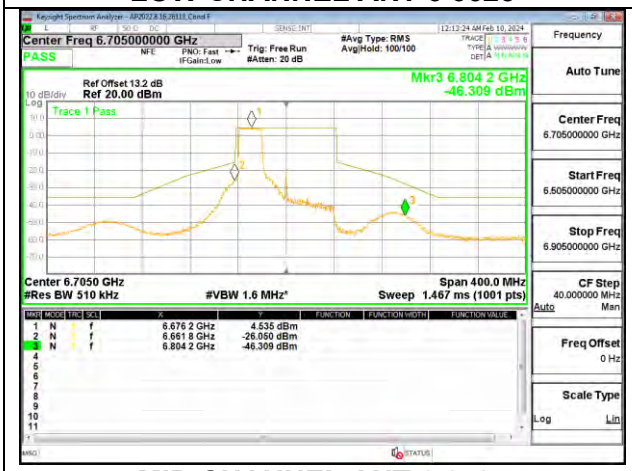
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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

LOW CHANNEL ANT 6 6625

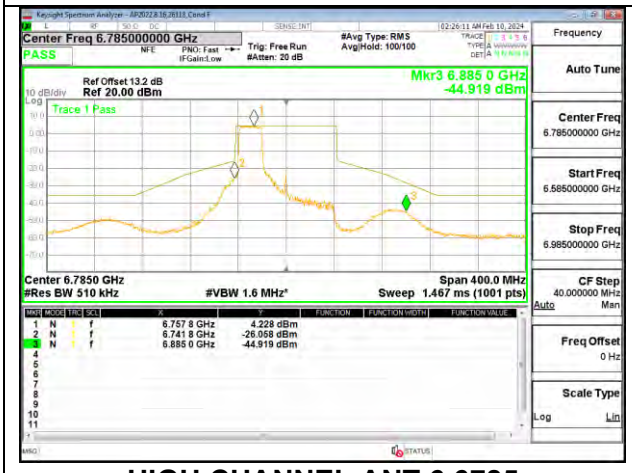


LOW CHANNEL ANT 5 6625

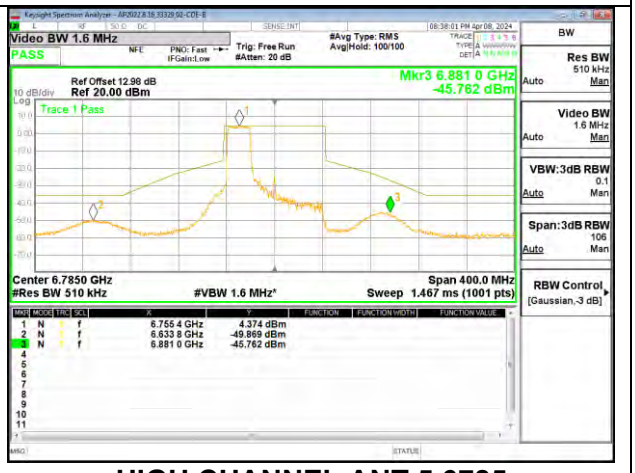


MID CHANNEL ANT 6 6705

MID CHANNEL ANT 5 6705



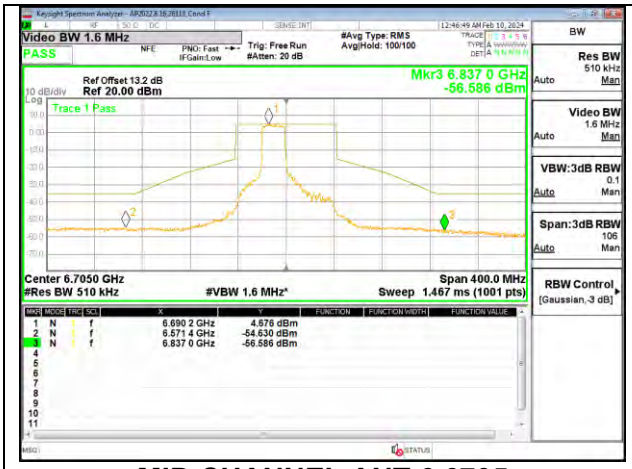
HIGH CHANNEL ANT 6 6785



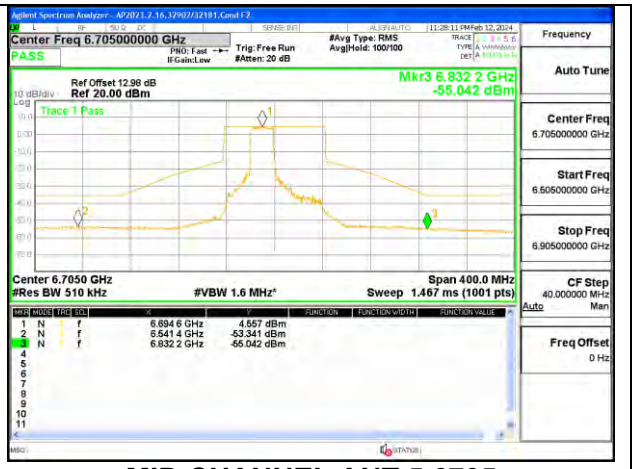
HIGH CHANNEL ANT 5 6785

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

2TX Antenna 6 + Antenna 5 CDD MODE (FCC) – 242-Tones, RU Index 62



MID CHANNEL ANT 6 6705

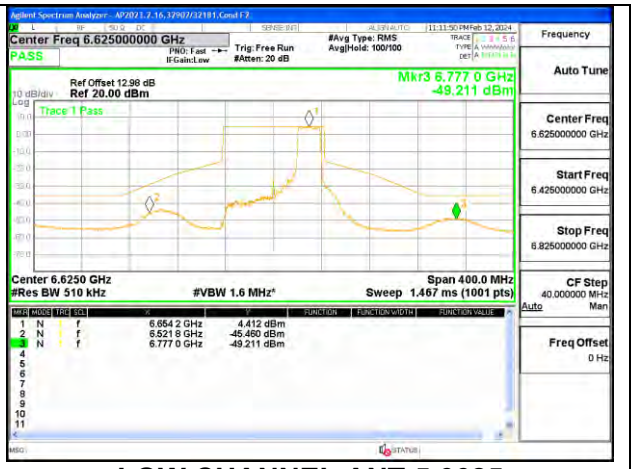


MID CHANNEL ANT 5 6705

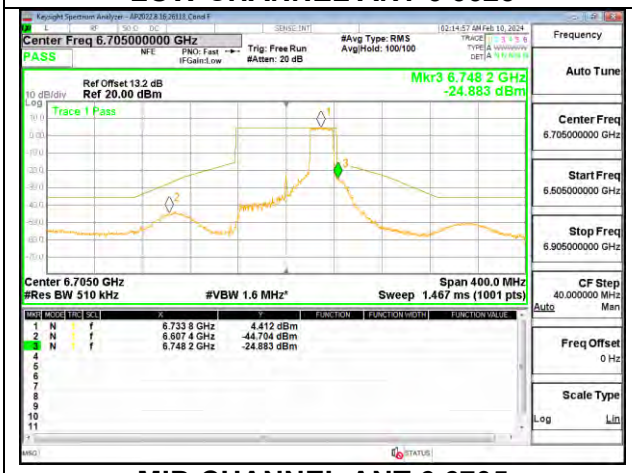
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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

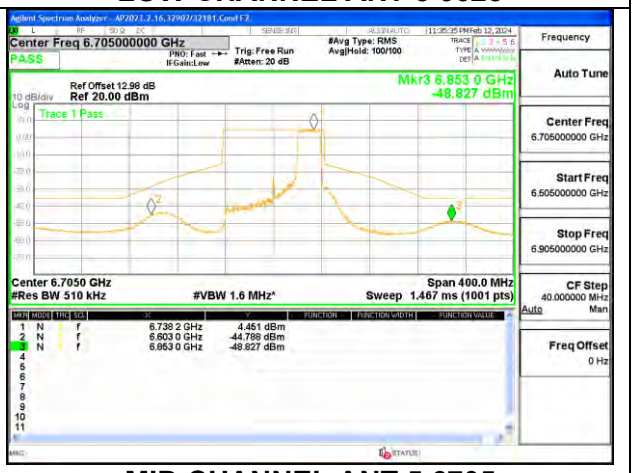
LOW CHANNEL ANT 6 6625



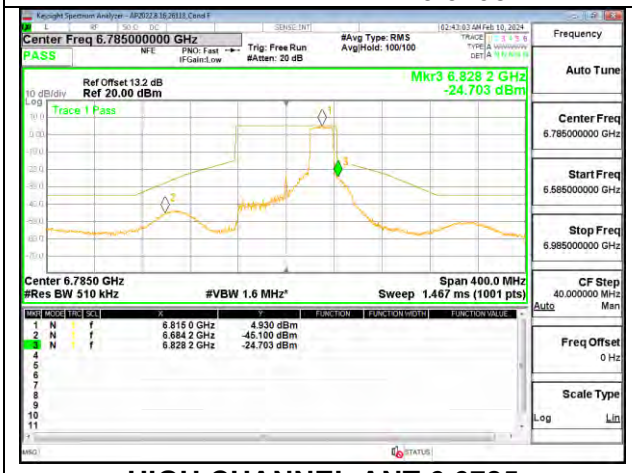
LOW CHANNEL ANT 5 6625



MID CHANNEL ANT 6 6705



MID CHANNEL ANT 5 6705



HIGH CHANNEL ANT 6 6785

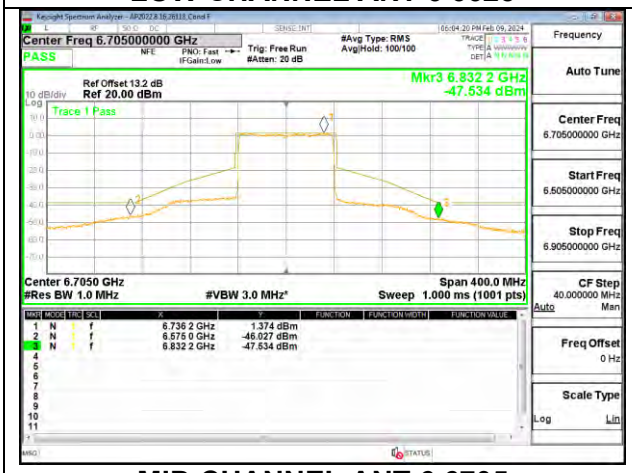
HIGH CHANNEL ANT 5 6785

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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

LOW CHANNEL ANT 6 6625

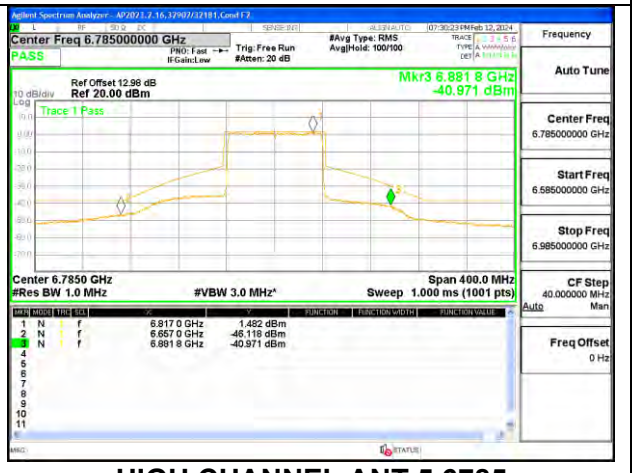
LOW CHANNEL ANT 5 6625



MID CHANNEL ANT 6 6705

MID CHANNEL ANT 5 6705

HIGH CHANNEL ANT 6 6785

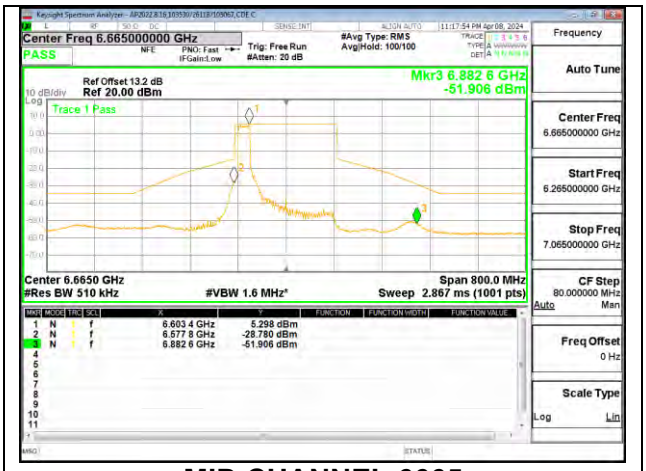


HIGH CHANNEL ANT 5 6785

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

9.7.8. 802.11be EHT160 MODE IN THE UNII-7 BAND

1TX Antenna 6 MODE (FCC+IC) MOBILE – 2642-Tones, RU Index 61



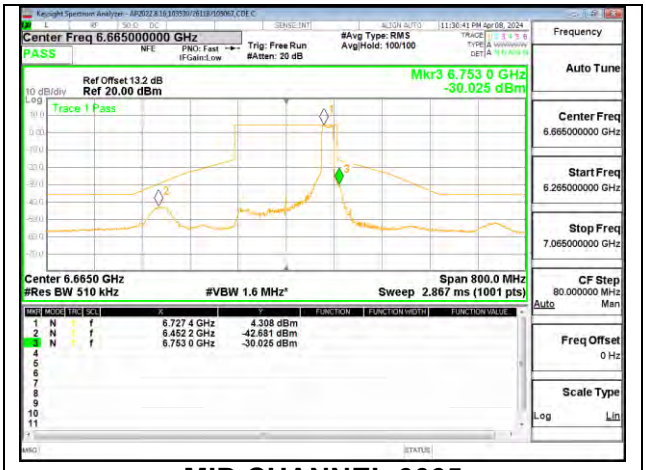
MID CHANNEL 6665

1TX Antenna 6 MODE (FCC+IC) MOBILE – 242-Tones, RU Index 64

MID CHANNEL 6665

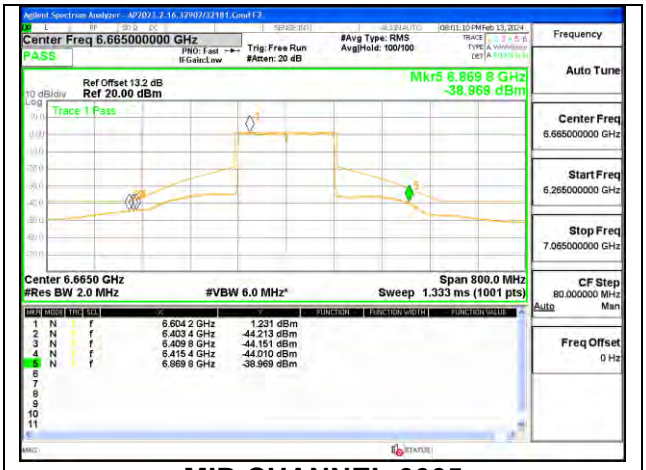
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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



MID CHANNEL 6665

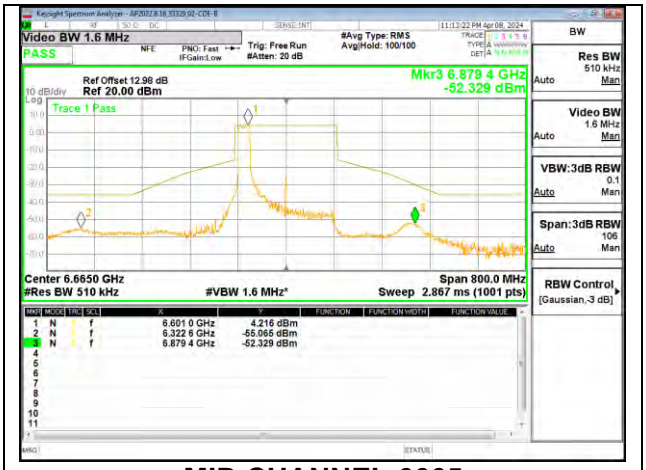
1TX Antenna 6 MODE (FCC+IC) MOBILE – SU MODE



MID CHANNEL 6665

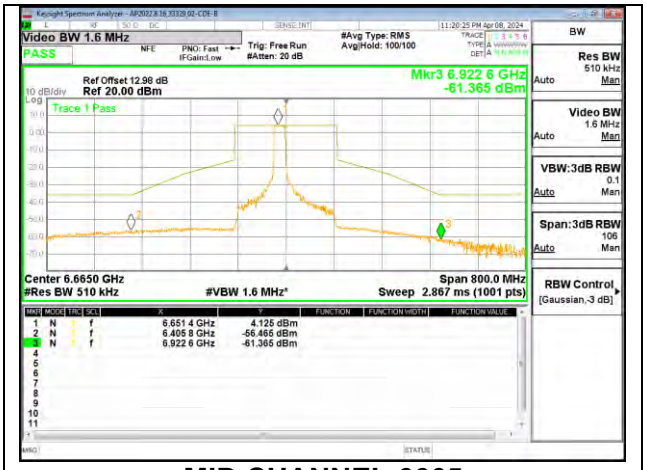
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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



MID CHANNEL 6665

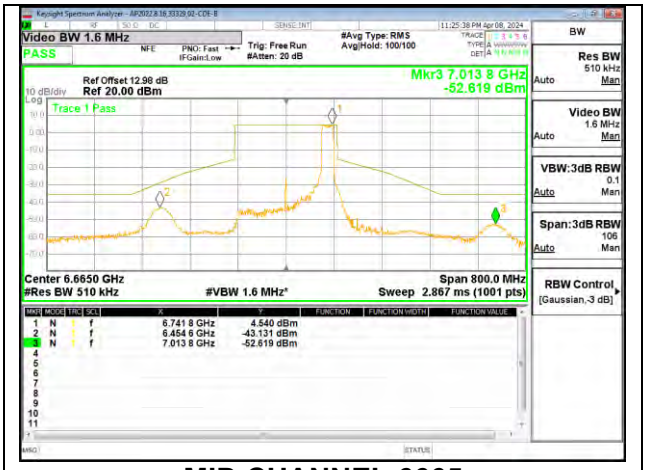
1TX Antenna 5 MODE (FCC+IC) MOBILE – 242-Tones, RU Index 64



MID CHANNEL 6665

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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



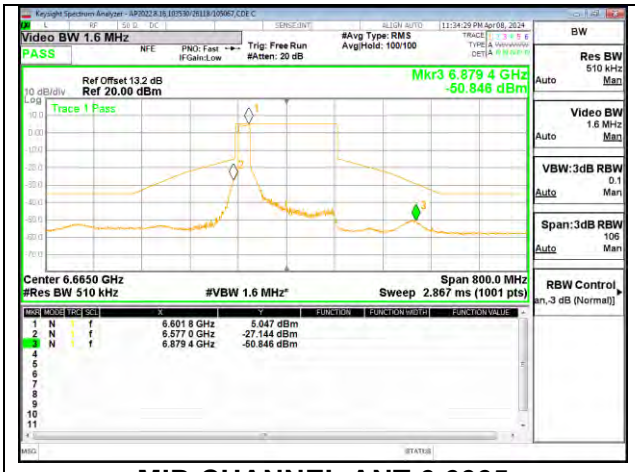
MID CHANNEL 6665

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

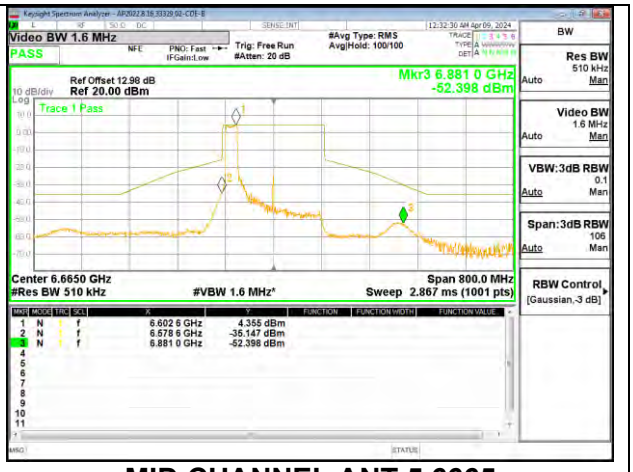
MID CHANNEL 6665

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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

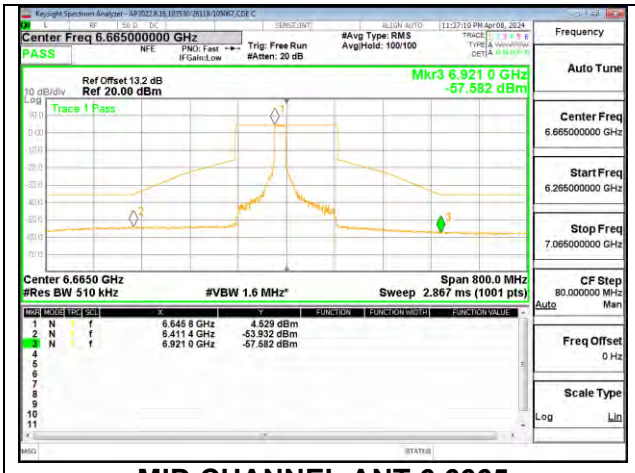


MID CHANNEL ANT 6 6665

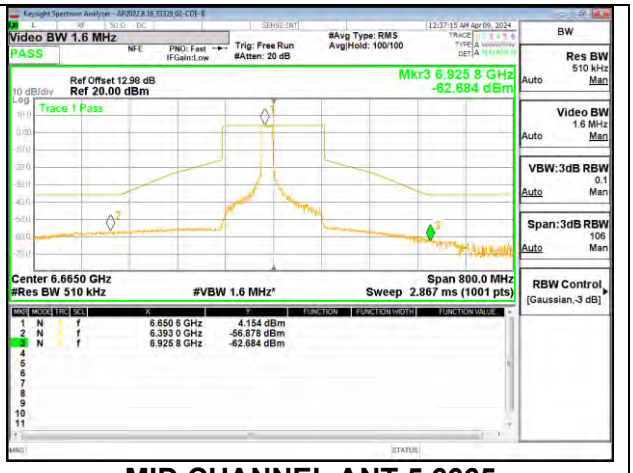


MID CHANNEL ANT 5 6665

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



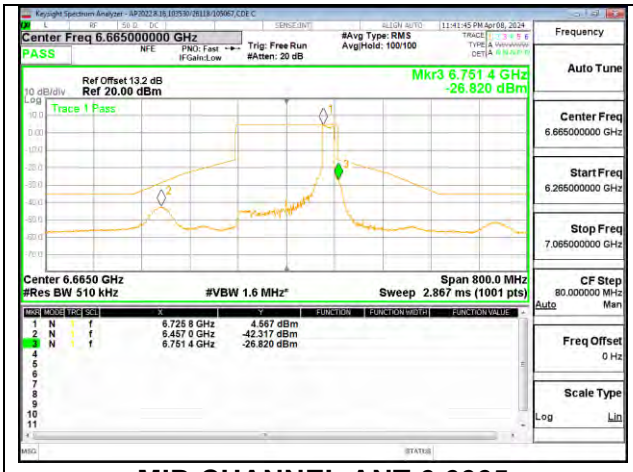
MID CHANNEL ANT 6 6665



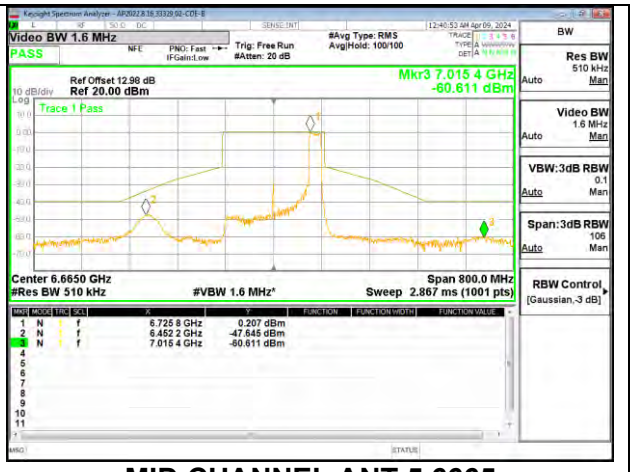
MID CHANNEL ANT 5 6665

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

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



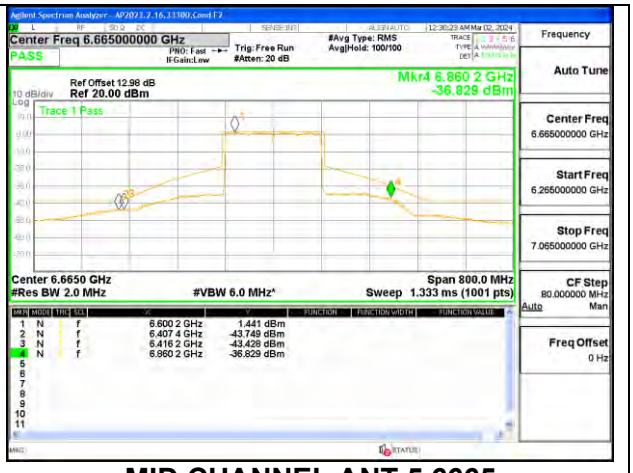
MID CHANNEL ANT 6 6665



MID CHANNEL ANT 5 6665

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

MID CHANNEL ANT 6 6665



MID CHANNEL ANT 5 6665

UL VERIFICATION SERVICES INC.
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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.

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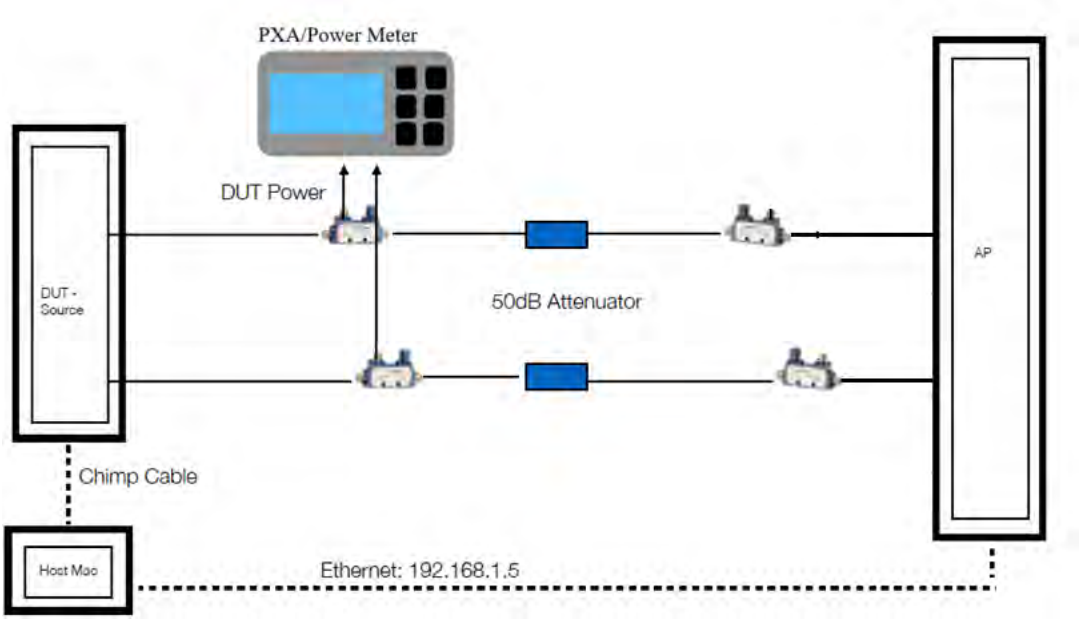
SET UP

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 lest (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.



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RESULTS FOR DUAL CLIENT TEST

Tested By:	GA 12485
Date:	2024-07-03

EUT Frequency (MHz)	AFC Authorized EIRP Power for AP (dBm)	Dual Client MIMO EIRP (dBm)	Results (Pass/Fail) (EUT-AFC Authorized AP 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.

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11. SETUP PHOTOS

Refer to 14982484-EP1V1 FCC IC Setup_Photo for setup photos.

END OF TEST REPORT

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