Occupied Bandwidth

FCC Part 22H

LTE Band 5, Normal

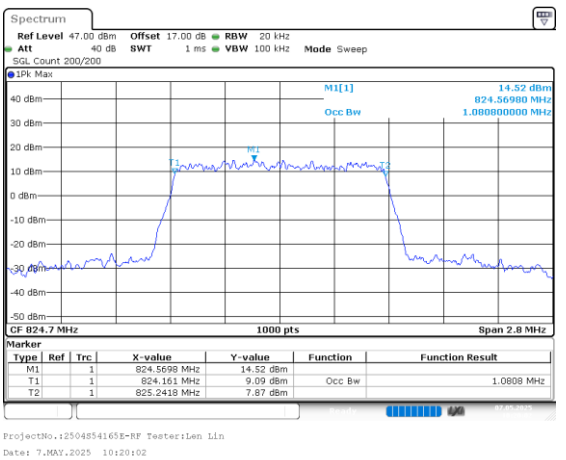
Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Low_QPSK_6@0	1.081	1.228
1.4MHz_Low_16QAM_6@0	1.084	1.236
1.4MHz_Middle_QPSK_6@0	1.089	1.242
1.4MHz_Middle_16QAM_6@0	1.084	1.236
1.4MHz_High_QPSK_6@0	1.078	1.236
1.4MHz_High_16QAM_6@0	1.086	1.244
3MHz_Low_QPSK_15@0	2.688	3.021
3MHz_Low_16QAM_15@0	2.682	2.997
3MHz_Middle_QPSK_15@0	2.694	2.991
3MHz_Middle_16QAM_15@0	2.694	3.051
3MHz_High_QPSK_15@0	2.682	2.985
3MHz_High_16QAM_15@0	2.688	2.991
5MHz_Low_QPSK_25@0	4.460	4.865
5MHz_Low_16QAM_25@0	4.470	4.845
5MHz_Middle_QPSK_25@0	4.470	4.845
5MHz_Middle_16QAM_25@0	4.480	4.885
5MHz_High_QPSK_25@0	4.470	4.915
5MHz_High_16QAM_25@0	4.470	4.885
10MHz_Low_QPSK_50@0	8.960	9.670
10MHz_Low_16QAM_50@0	8.980	9.670
10MHz_Middle_QPSK_50@0	8.960	9.670
10MHz_Middle_16QAM_50@0	8.960	9.610
10MHz_High_QPSK_50@0	8.940	9.710
10MHz_High_16QAM_50@0	8.940	9.730

FINAL

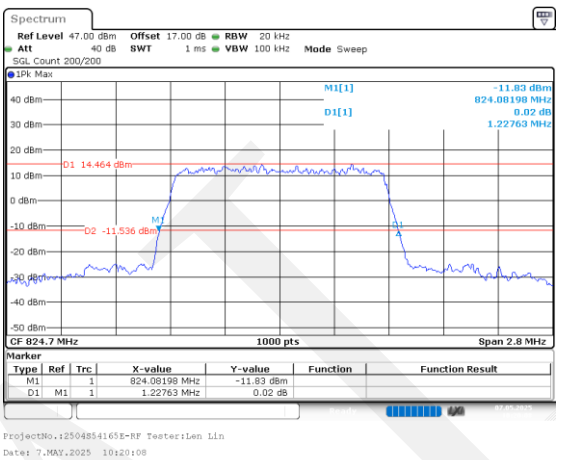
LTE Band 5, Normal

1.4MHz_Low_QPSK_6@0

Occupied Bandwidth

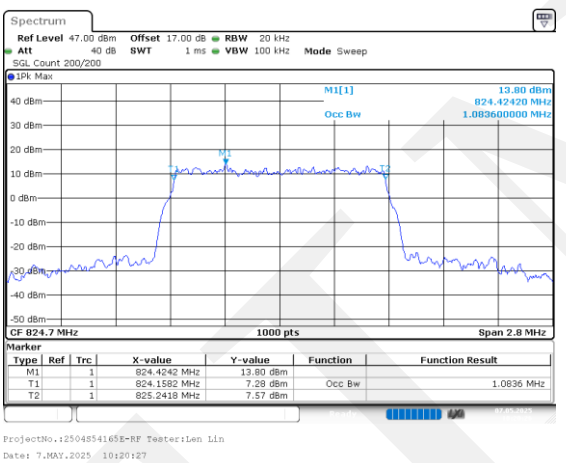


26dB Bandwidth

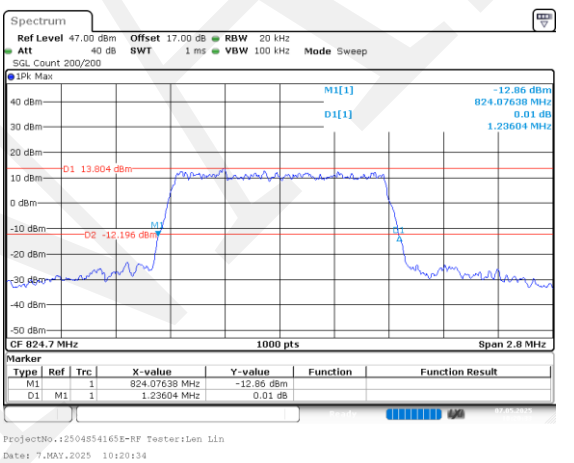


1.4MHz_Low_16QAM_6@0

Occupied Bandwidth

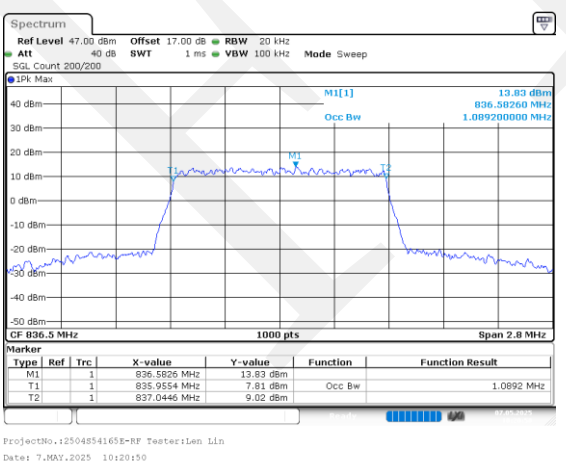


26dB Bandwidth

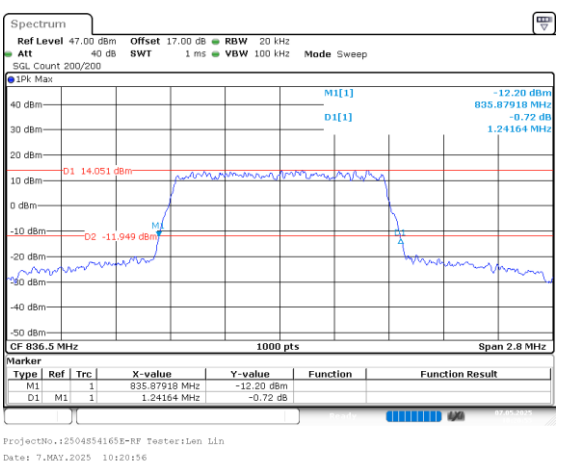


1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth

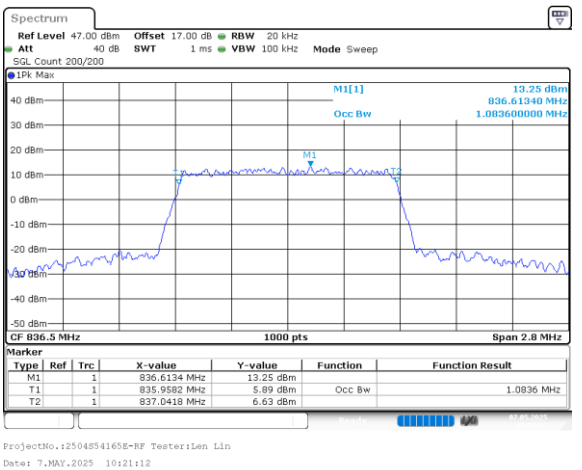


26dB Bandwidth



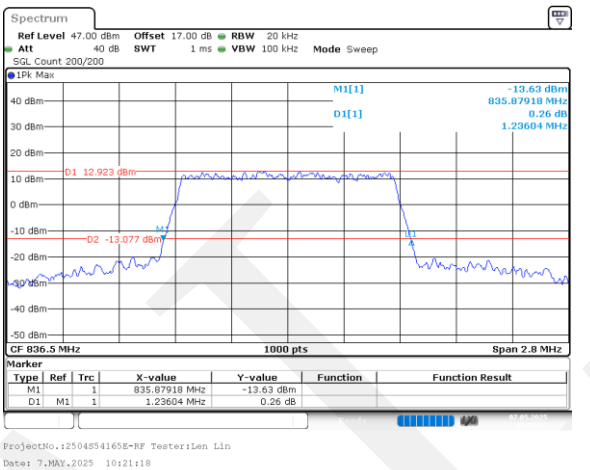
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 10:21:12

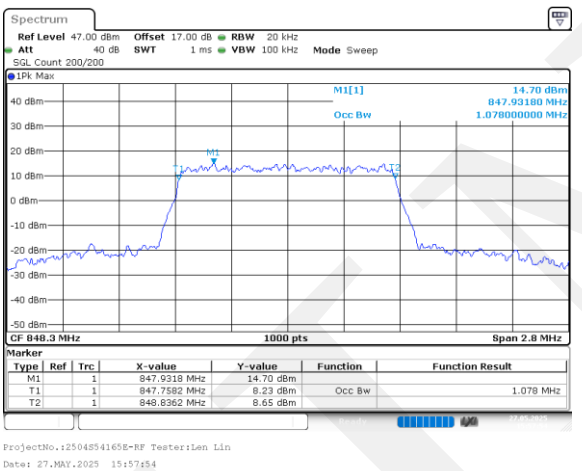
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 10:21:18

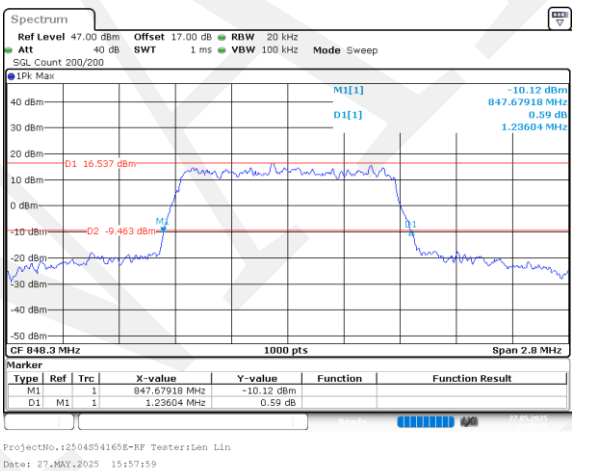
1.4MHz_High_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 27.MAY.2025 15:57:54

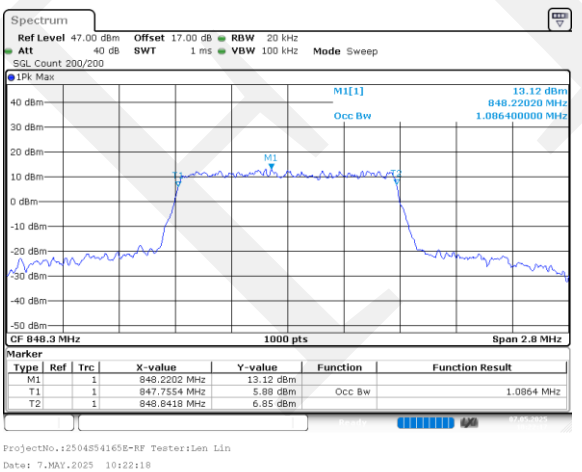
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 27.MAY.2025 15:57:59

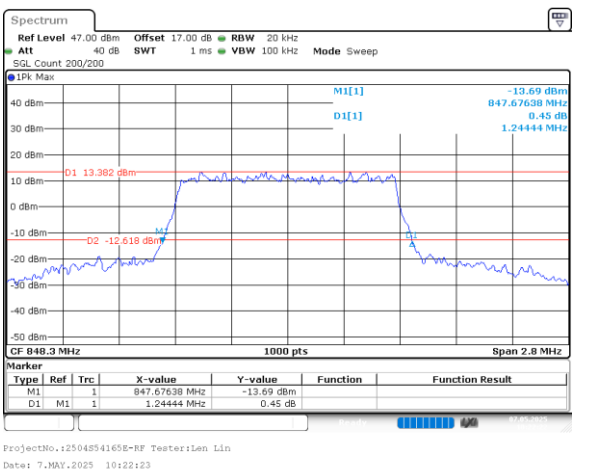
1.4MHz_High_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 10:22:18

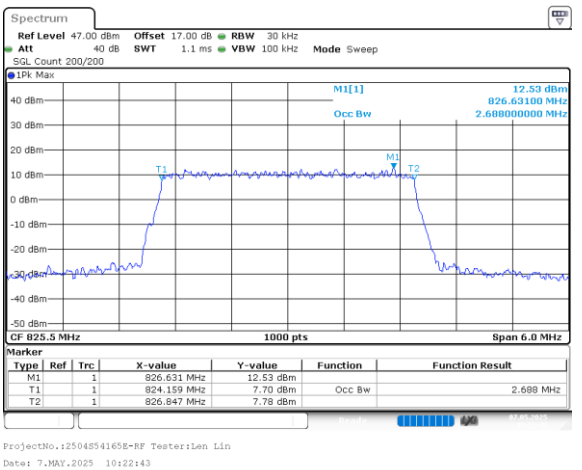
26dB Bandwidth



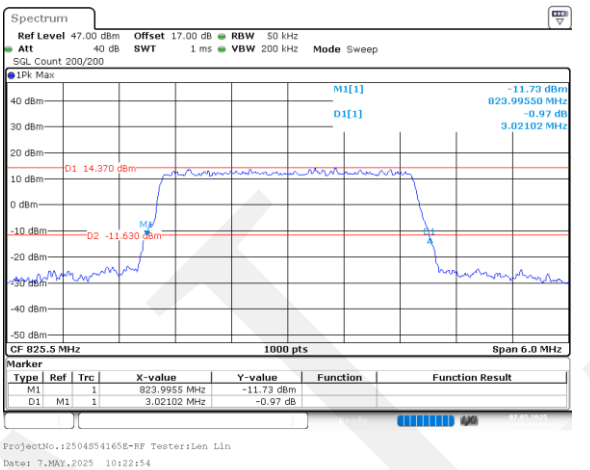
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 10:22:23

3MHz_Low_QPSK_15@0

Occupied Bandwidth

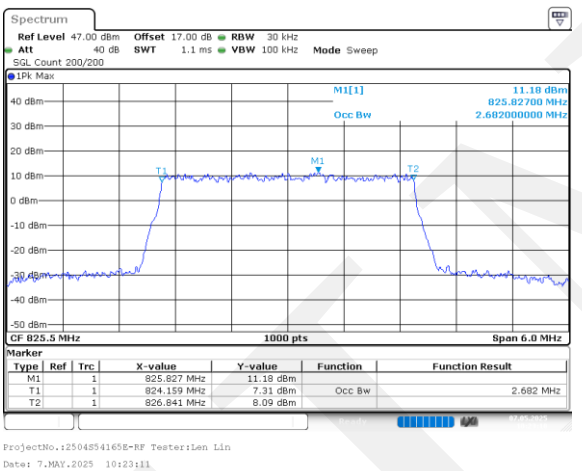


26dB Bandwidth

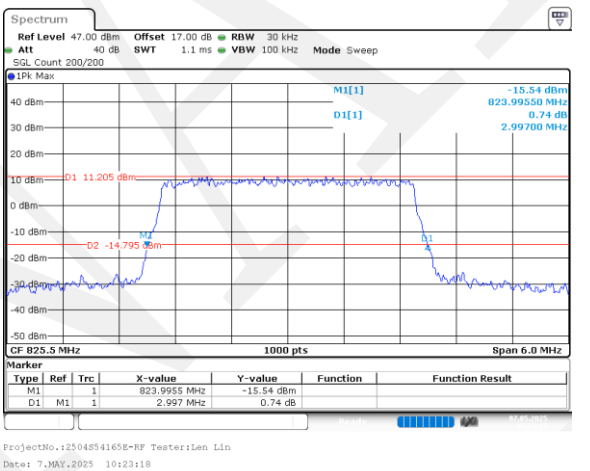


3MHz_Low_16QAM_15@0

Occupied Bandwidth

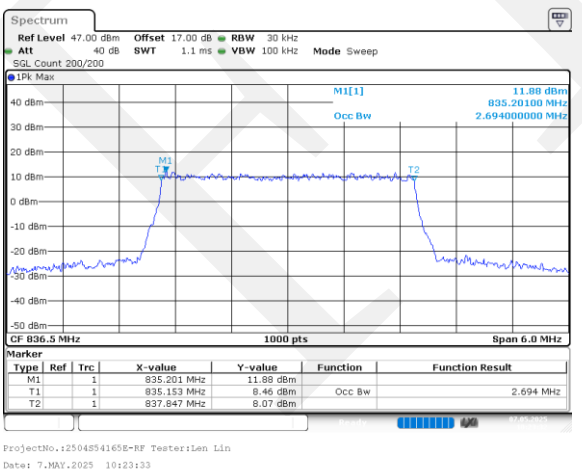


26dB Bandwidth

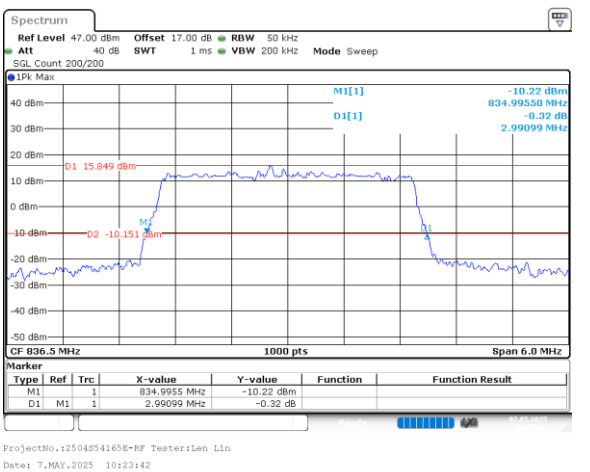


3MHz_Middle_QPSK_15@0

Occupied Bandwidth

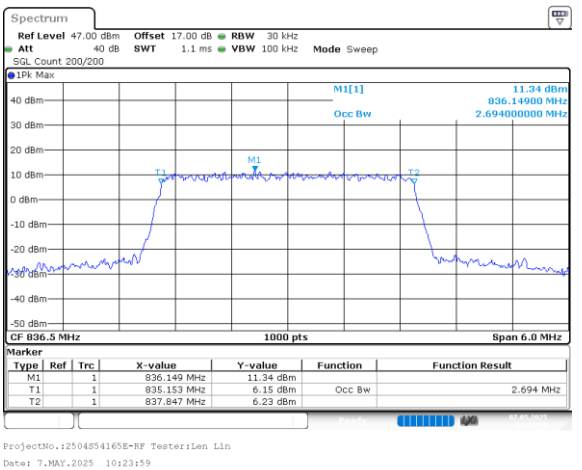


26dB Bandwidth

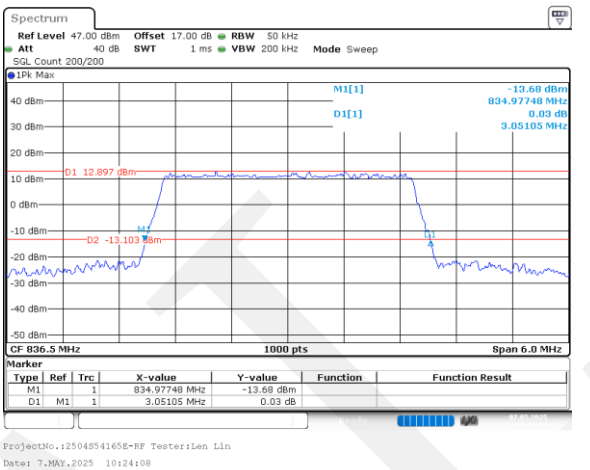


3MHz_Middle_16QAM_15@0

Occupied Bandwidth

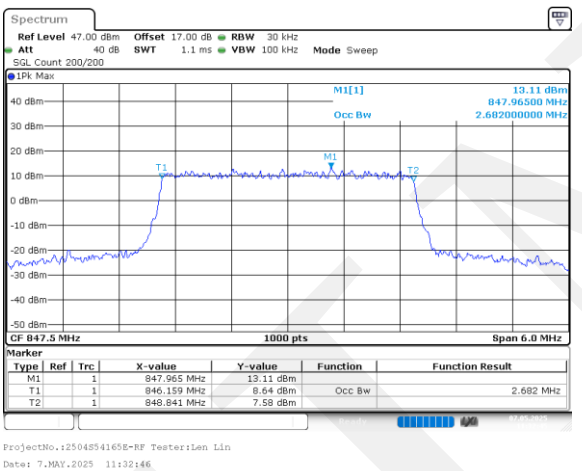


26dB Bandwidth

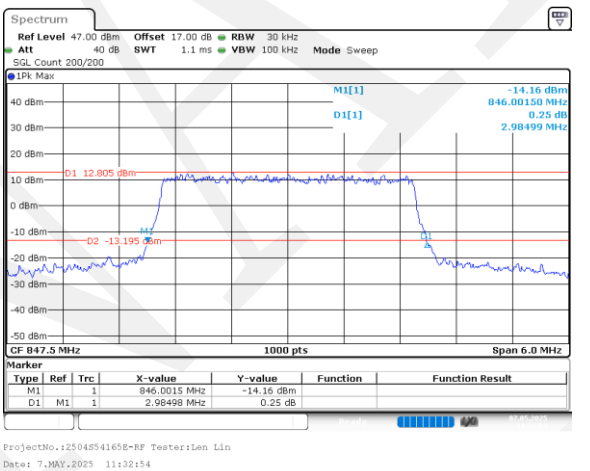


3MHz_High_QPSK_15@0

Occupied Bandwidth

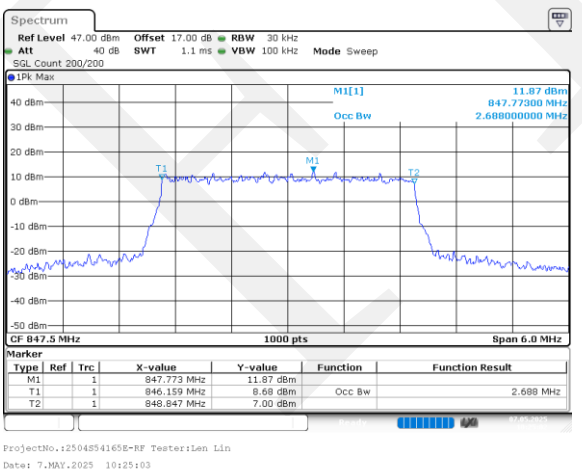


26dB Bandwidth

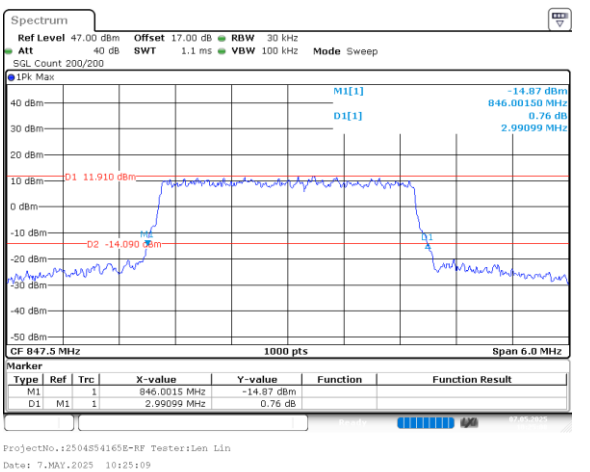


3MHz_High_16QAM_15@0

Occupied Bandwidth

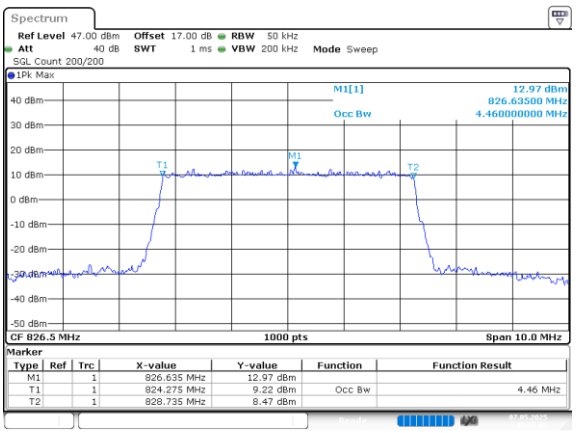


26dB Bandwidth

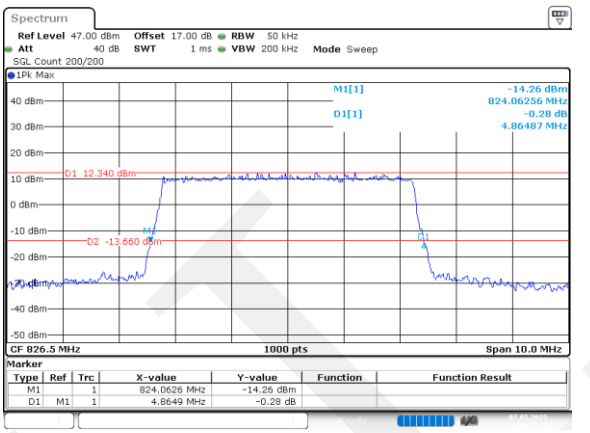


5MHz_Low_QPSK_25@0

Occupied Bandwidth

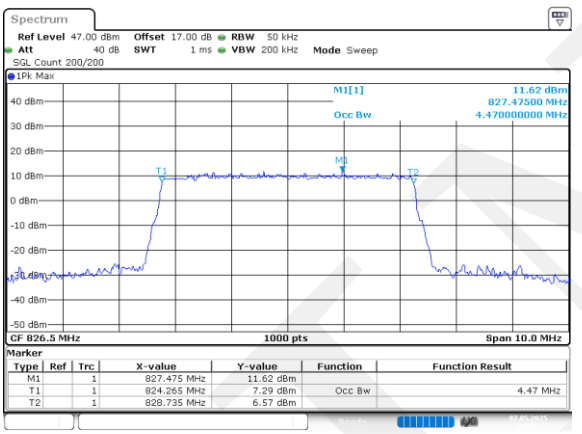


26dB Bandwidth

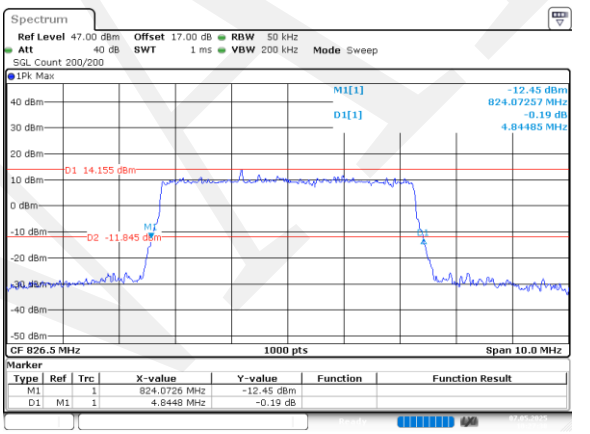


5MHz_Low_16QAM_25@0

Occupied Bandwidth

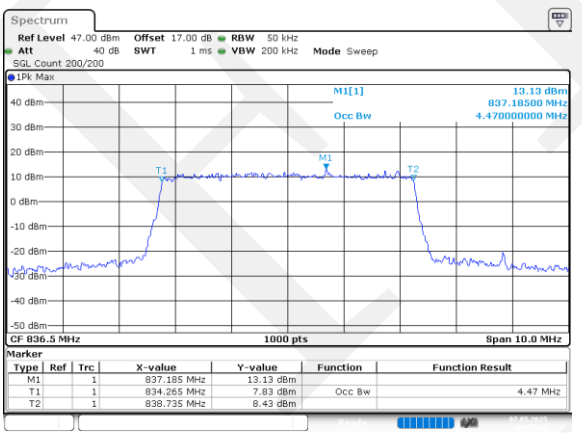


26dB Bandwidth

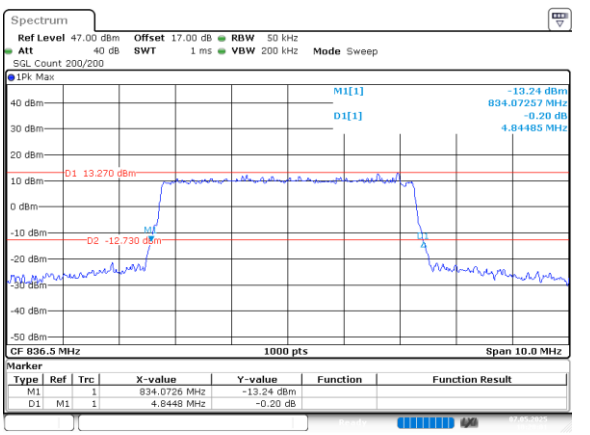


5MHz_Middle_QPSK_25@0

Occupied Bandwidth

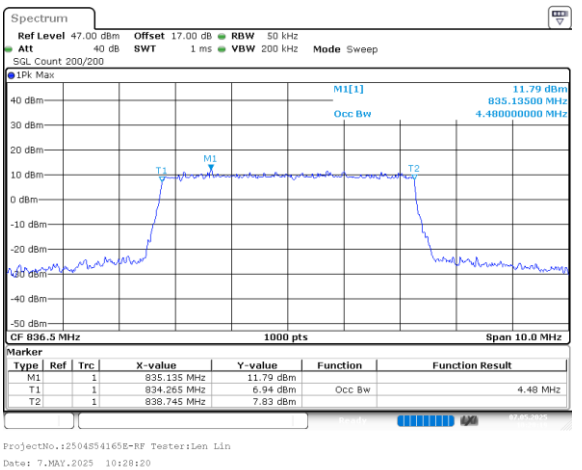


26dB Bandwidth

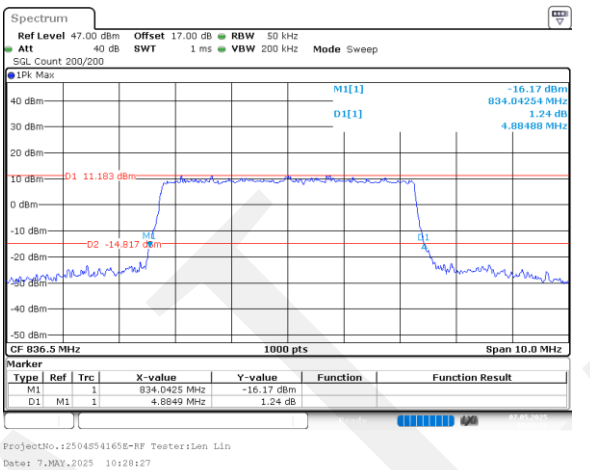


5MHz_Middle_16QAM_25@0

Occupied Bandwidth

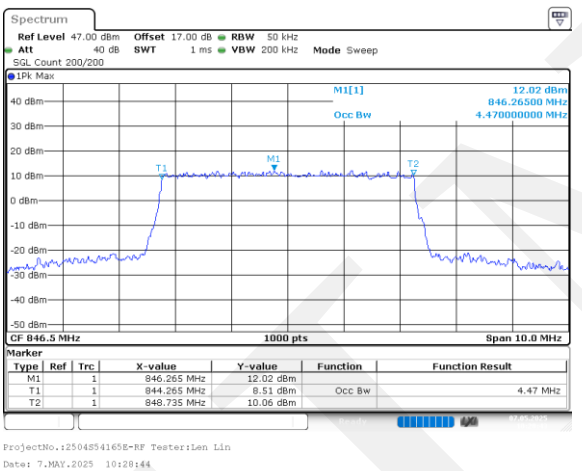


26dB Bandwidth

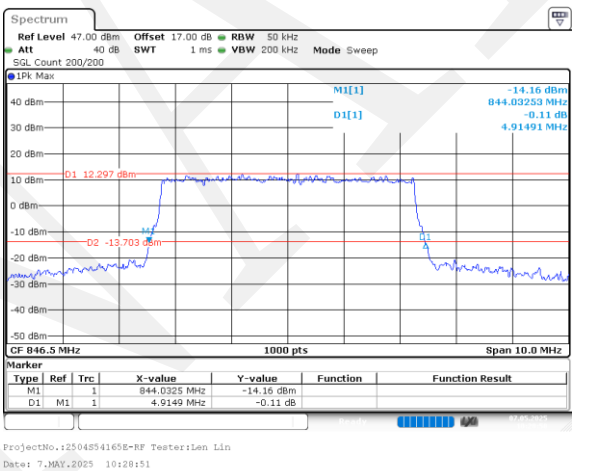


5MHz_High_QPSK_25@0

Occupied Bandwidth

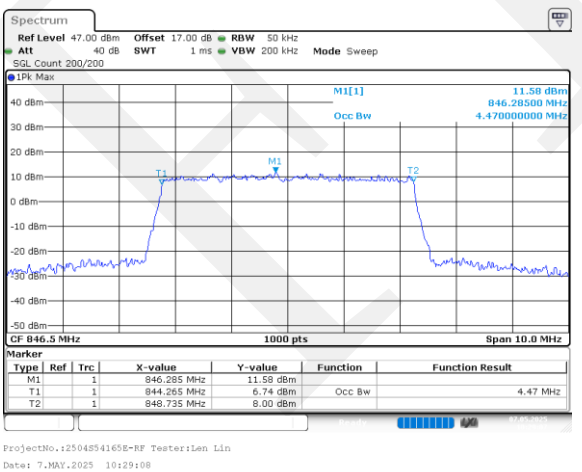


26dB Bandwidth

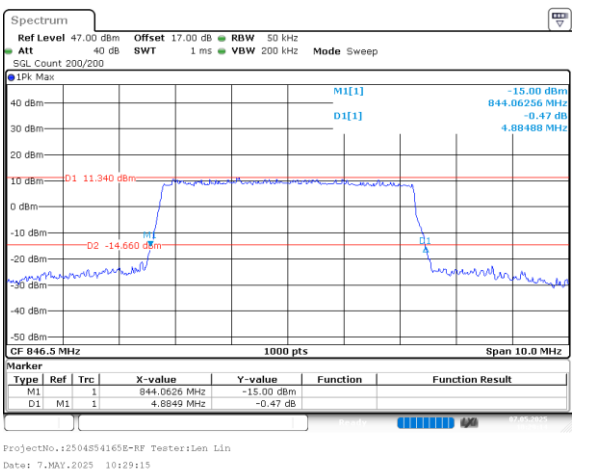


5MHz_High_16QAM_25@0

Occupied Bandwidth

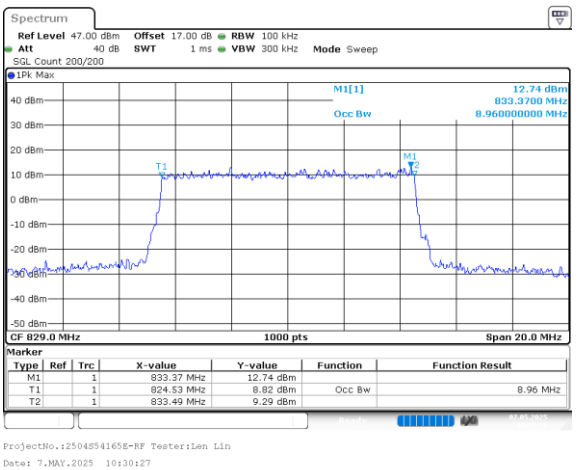


26dB Bandwidth



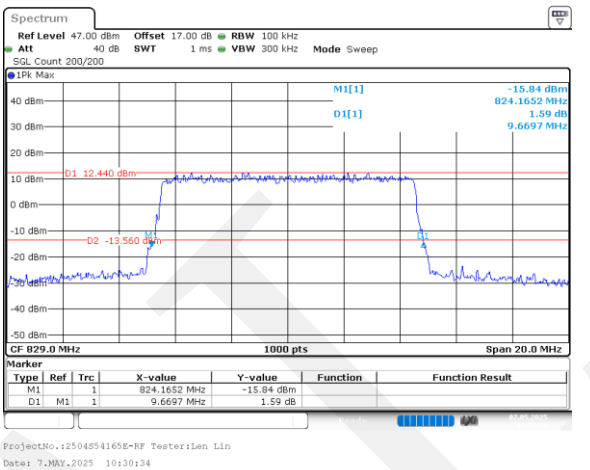
10MHz_Low_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 10:30:27

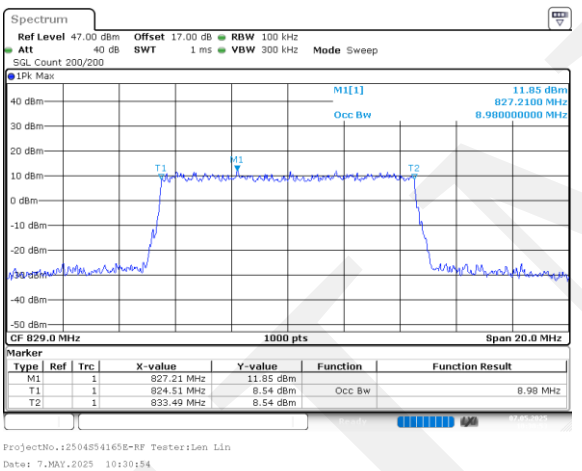
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 10:30:34

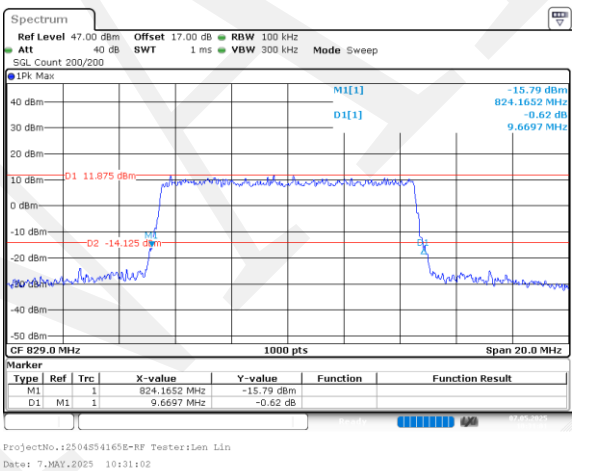
10MHz_Low_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 10:30:54

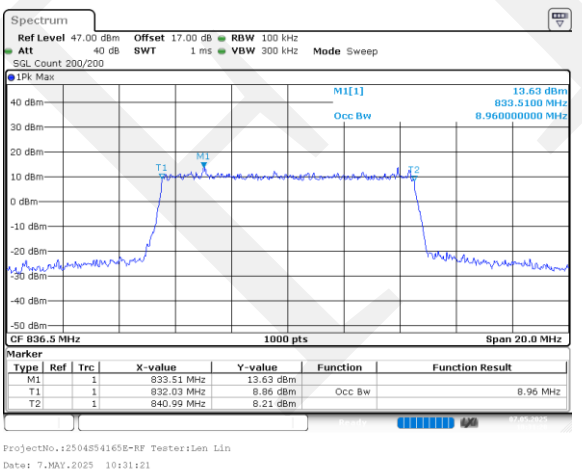
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 10:31:02

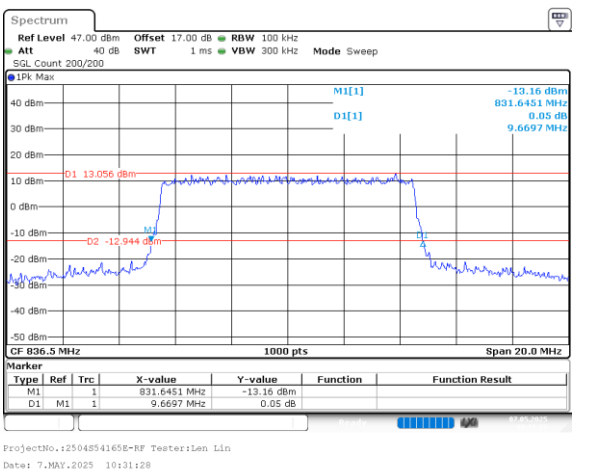
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 10:31:21

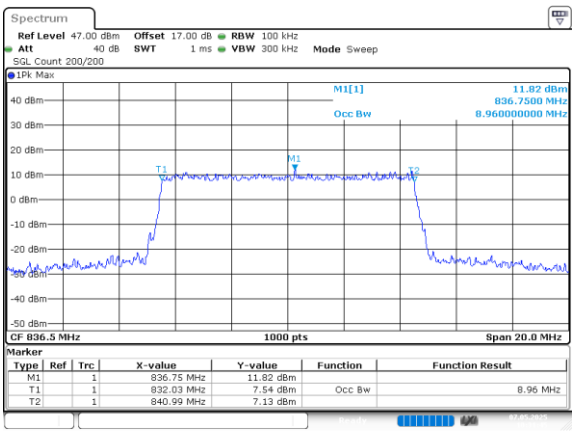
26dB Bandwidth



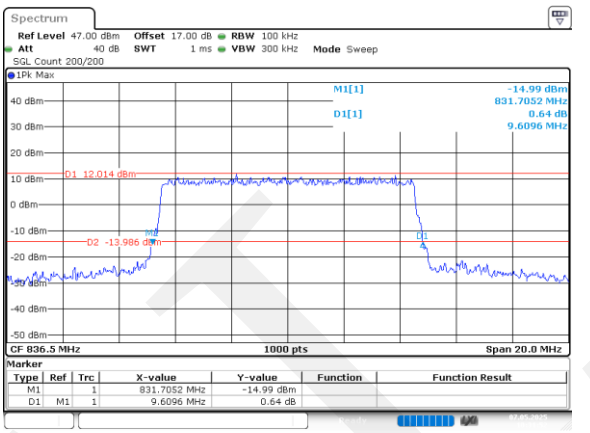
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 10:31:28

10MHz_Middle_16QAM_50@0

Occupied Bandwidth

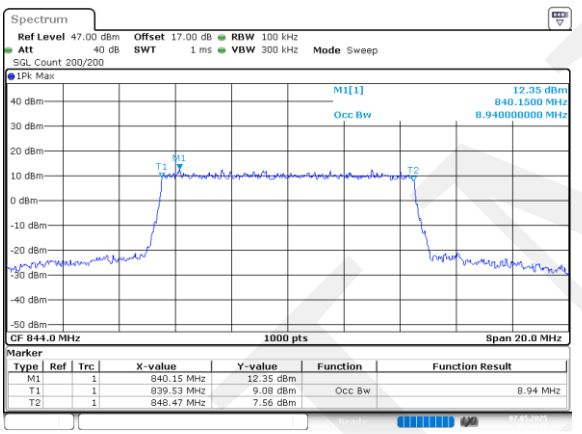


26dB Bandwidth

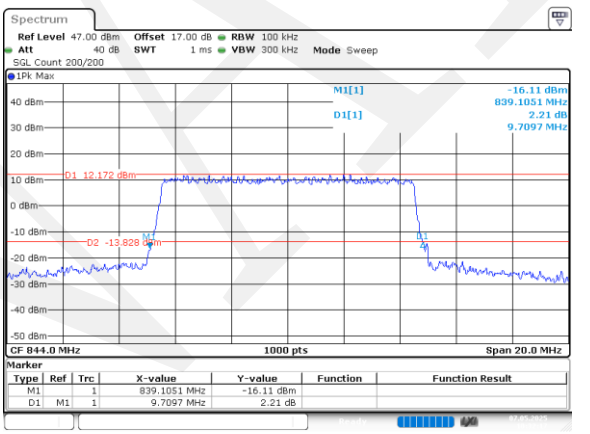


10MHz_High_QPSK_50@0

Occupied Bandwidth

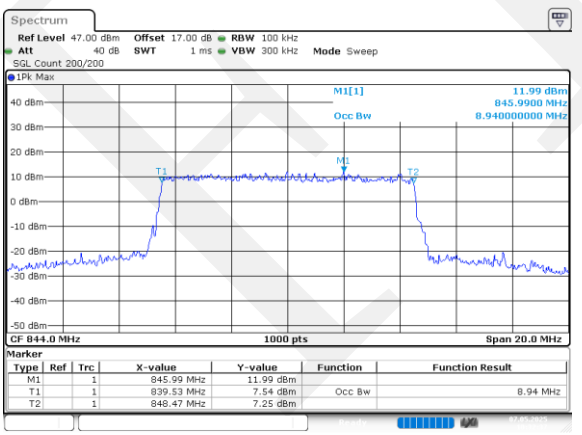


26dB Bandwidth

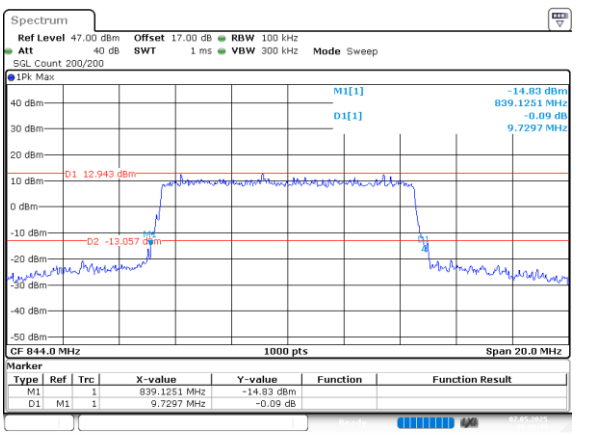


10MHz_High_16QAM_50@0

Occupied Bandwidth



26dB Bandwidth



FCC Part 24E

LTE Band 2, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Low_QPSK_6@0	1.084	1.225
1.4MHz_Low_16QAM_6@0	1.089	1.230
1.4MHz_Middle_QPSK_6@0	1.089	1.247
1.4MHz_Middle_16QAM_6@0	1.084	1.230
1.4MHz_High_QPSK_6@0	1.072	1.236
1.4MHz_High_16QAM_6@0	1.081	1.242
3MHz_Low_QPSK_15@0	2.682	3.021
3MHz_Low_16QAM_15@0	2.688	3.015
3MHz_Middle_QPSK_15@0	2.688	3.027
3MHz_Middle_16QAM_15@0	2.682	2.997
3MHz_High_QPSK_15@0	2.688	3.063
3MHz_High_16QAM_15@0	2.682	2.979
5MHz_Low_QPSK_25@0	4.470	4.905
5MHz_Low_16QAM_25@0	4.480	4.915
5MHz_Middle_QPSK_25@0	4.470	4.895
5MHz_Middle_16QAM_25@0	4.470	4.905
5MHz_High_QPSK_25@0	4.470	4.875
5MHz_High_16QAM_25@0	4.480	4.855
10MHz_Low_QPSK_50@0	8.940	9.630
10MHz_Low_16QAM_50@0	8.940	9.750
10MHz_Middle_QPSK_50@0	8.960	9.790
10MHz_Middle_16QAM_50@0	8.940	9.730
10MHz_High_QPSK_50@0	8.940	9.670
10MHz_High_16QAM_50@0	8.960	9.730
15MHz_Low_QPSK_75@0	13.440	14.745
15MHz_Low_16QAM_75@0	13.440	14.685
15MHz_Middle_QPSK_75@0	13.470	14.715
15MHz_Middle_16QAM_75@0	13.410	14.595
15MHz_High_QPSK_75@0	13.470	14.685
15MHz_High_16QAM_75@0	13.440	14.685

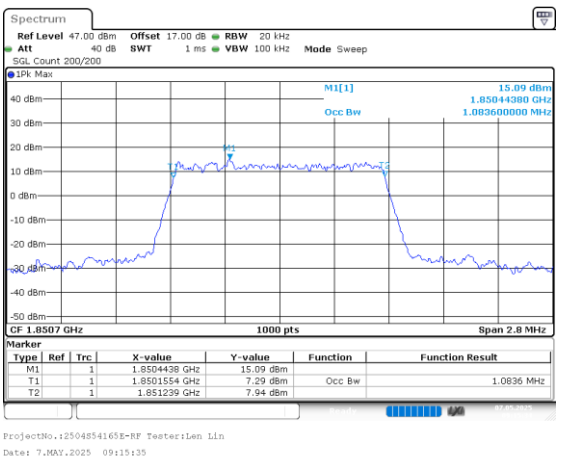
Mode	99% OBW (MHz)	26dB BW (MHz)
20MHz_Low_QPSK_100@0	17.880	19.299
20MHz_Low_16QAM_100@0	17.960	19.099
20MHz_Middle_QPSK_100@0	17.920	19.339
20MHz_Middle_16QAM_100@0	17.920	19.339
20MHz_High_QPSK_100@0	18.040	19.940
20MHz_High_16QAM_100@0	17.880	19.219

FINAL

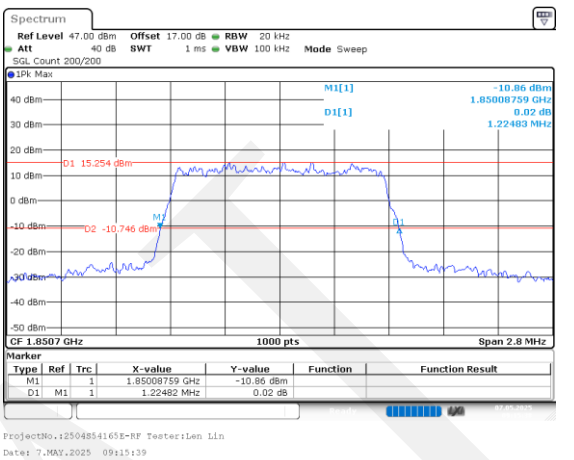
LTE Band 2, Normal

1.4MHz_Low_QPSK_6@0

Occupied Bandwidth

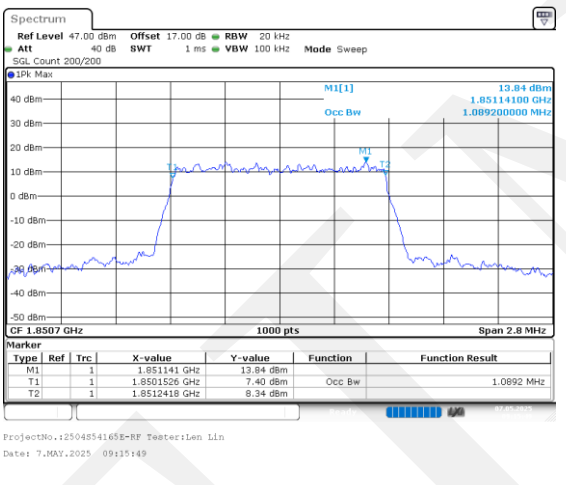


26dB Bandwidth

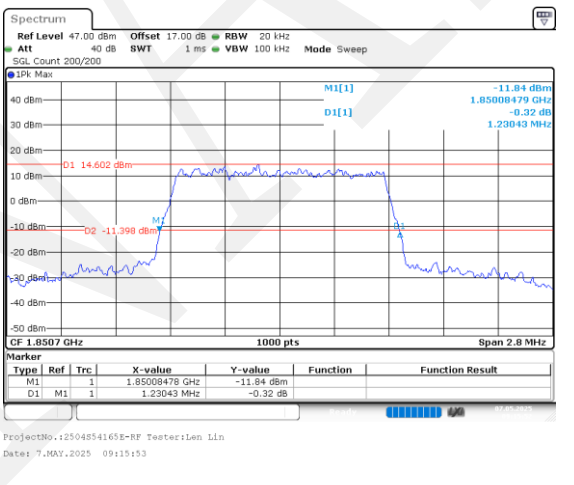


1.4MHz_Low_16QAM_6@0

Occupied Bandwidth

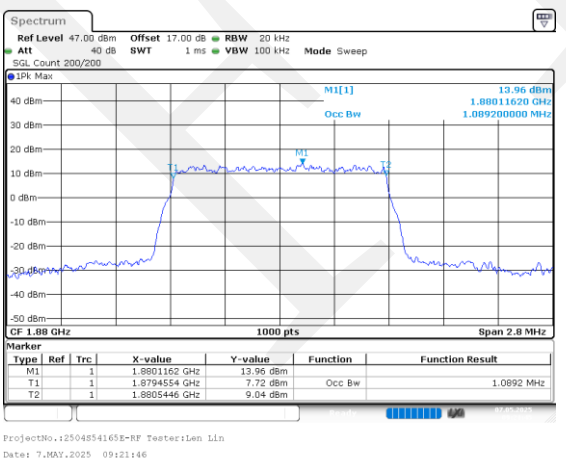


26dB Bandwidth

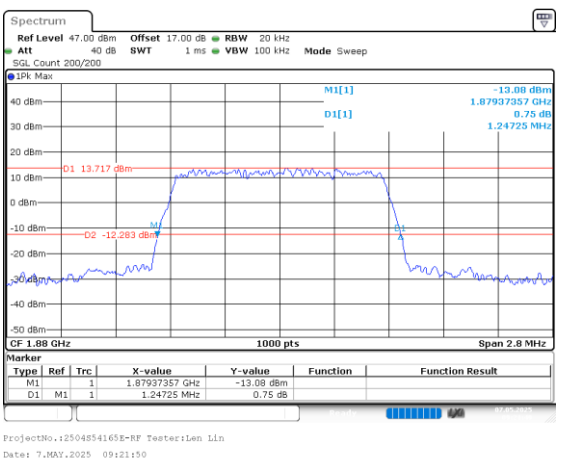


1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth

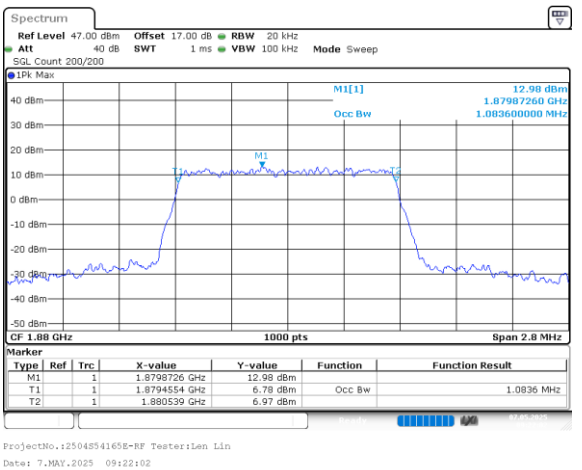


26dB Bandwidth



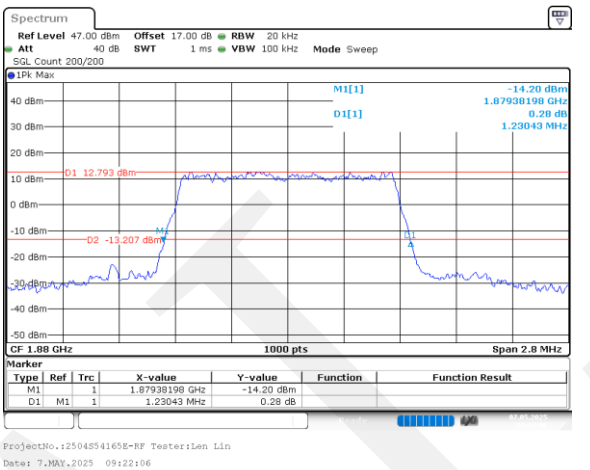
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:22:02

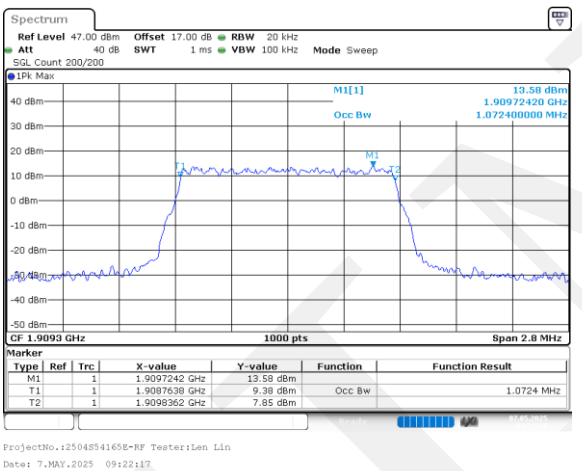
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:22:06

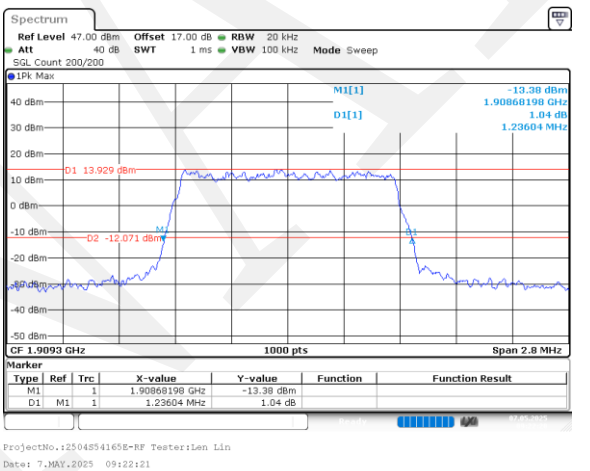
1.4MHz_High_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:22:17

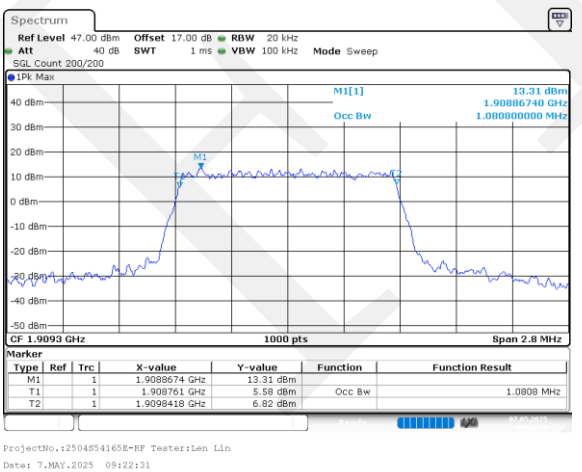
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:22:21

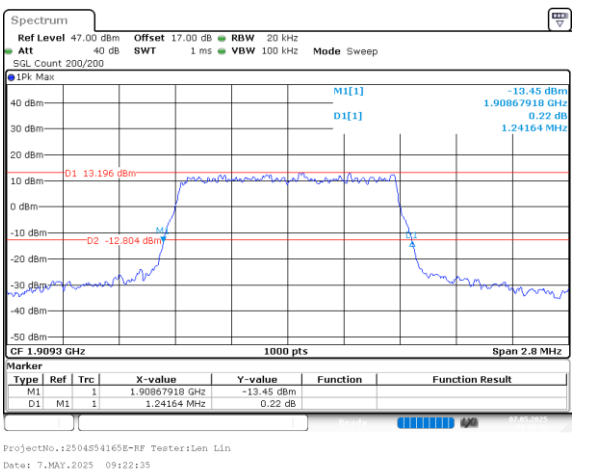
1.4MHz_High_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:22:31

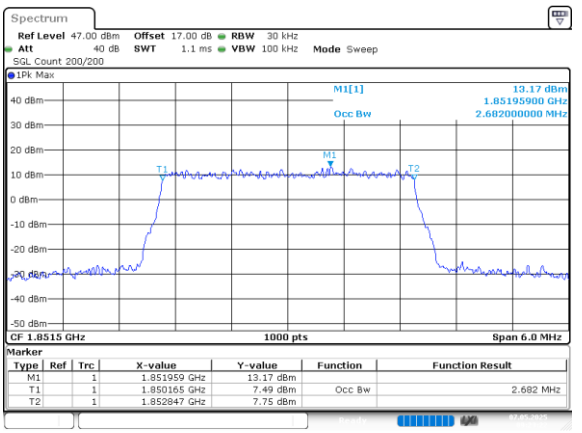
26dB Bandwidth



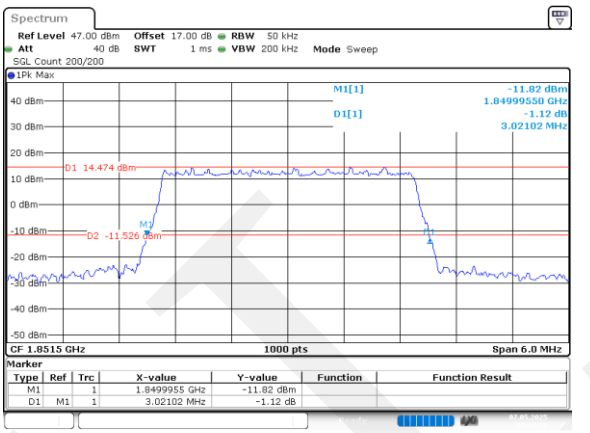
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:22:35

3MHz_Low_QPSK_15@0

Occupied Bandwidth

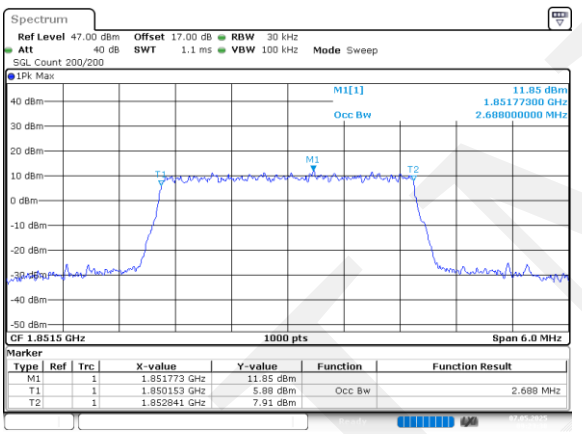


26dB Bandwidth

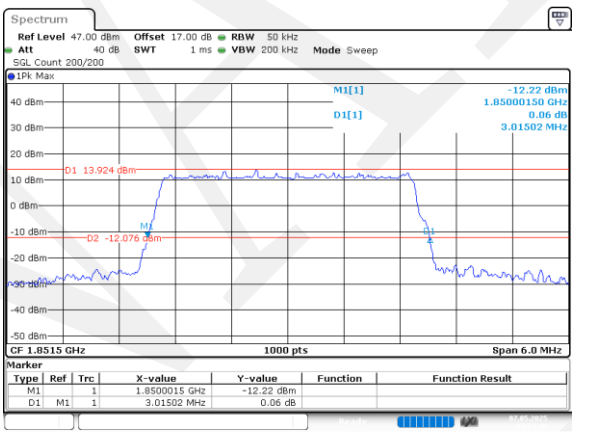


3MHz_Low_16QAM_15@0

Occupied Bandwidth

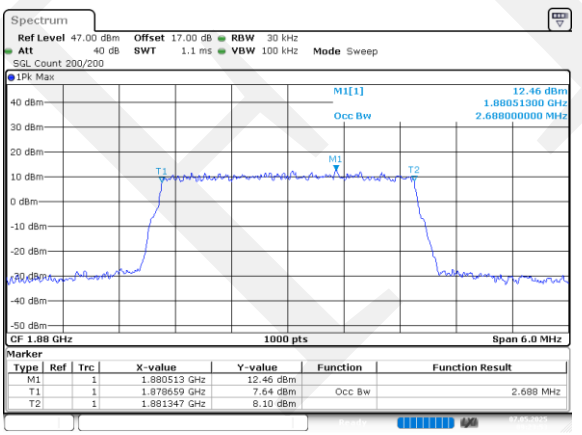


26dB Bandwidth

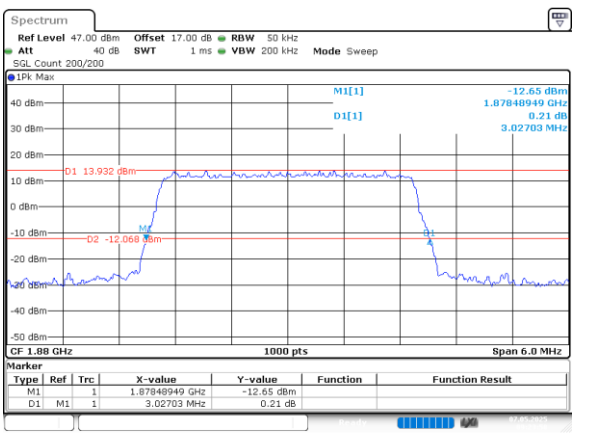


3MHz_Middle_QPSK_15@0

Occupied Bandwidth

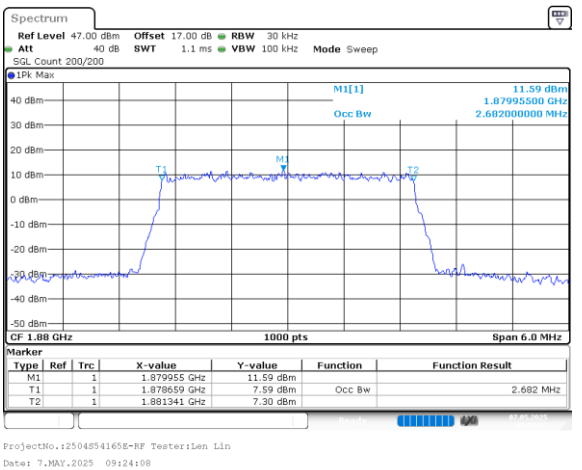


26dB Bandwidth



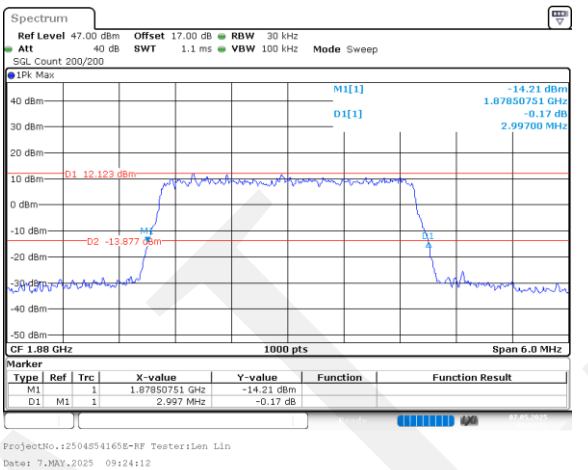
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:24:08

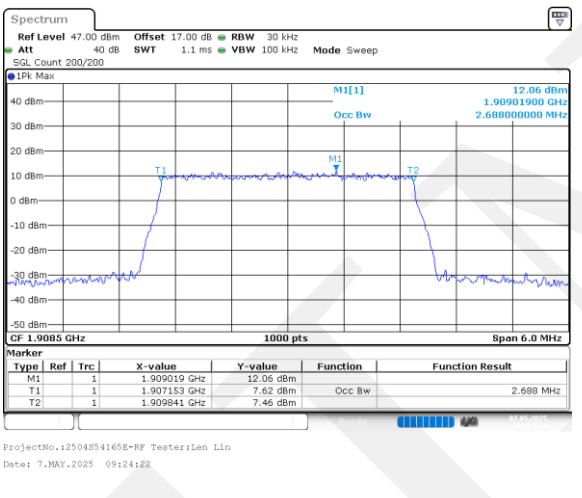
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:24:12

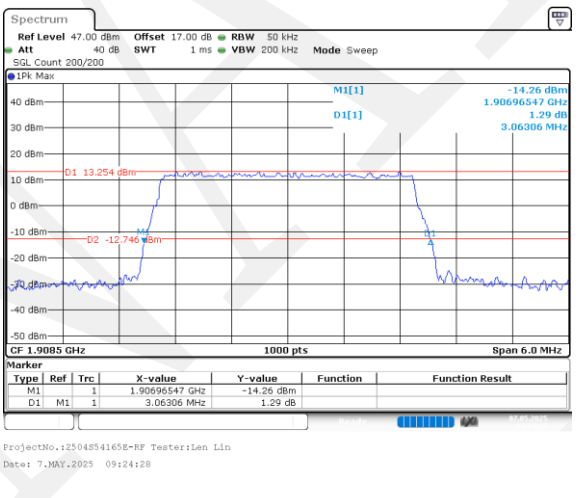
3MHz_High_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:24:22

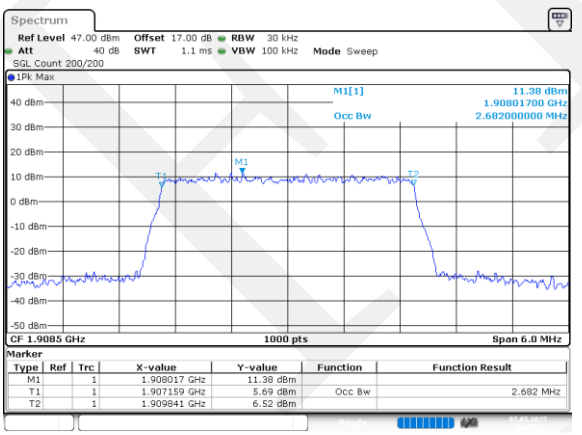
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:24:28

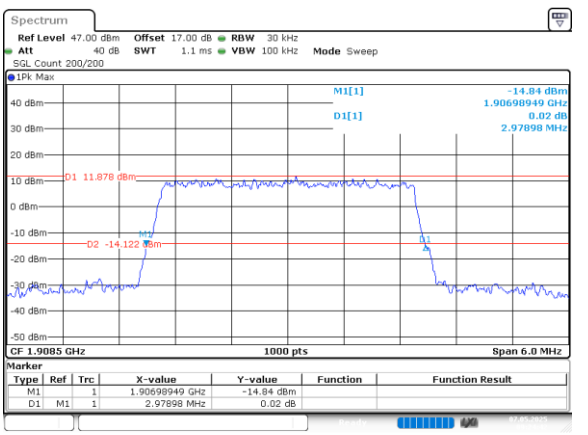
3MHz_High_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:24:38

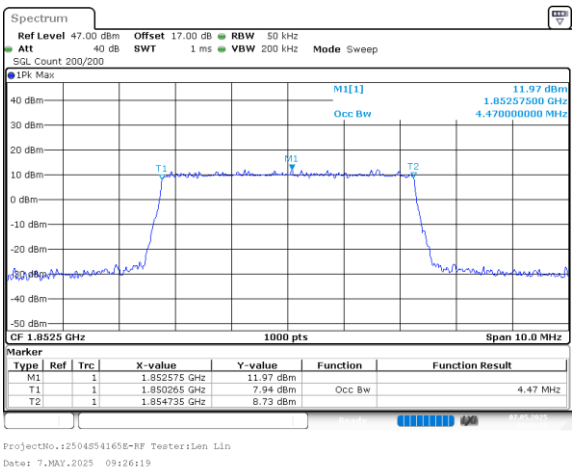
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:24:42

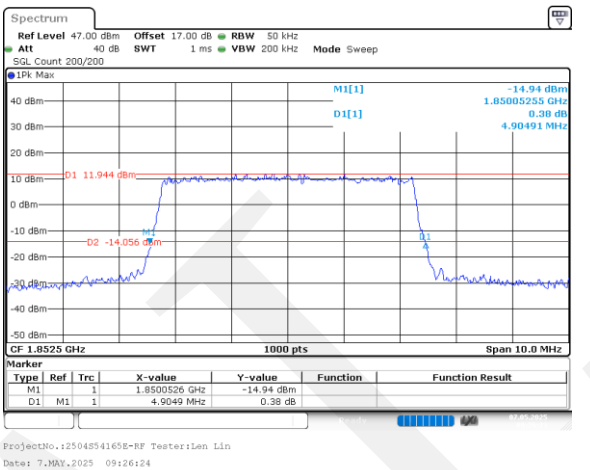
5MHz_Low_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:26:19

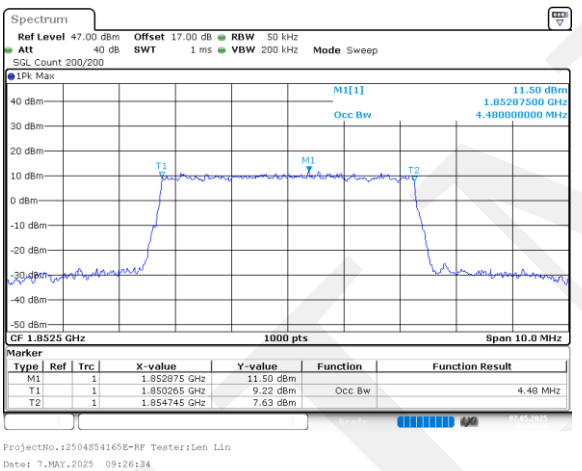
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:26:24

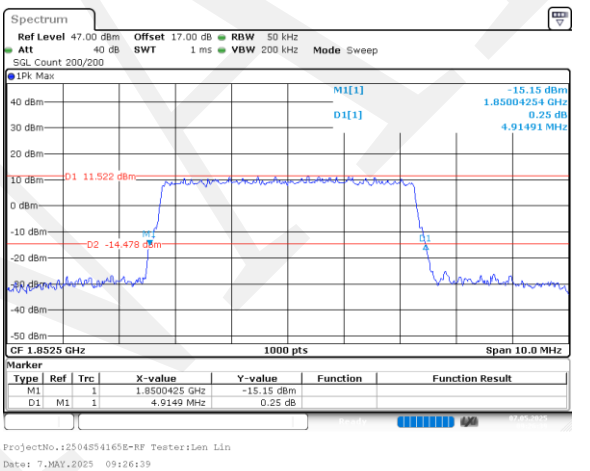
5MHz_Low_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:26:34

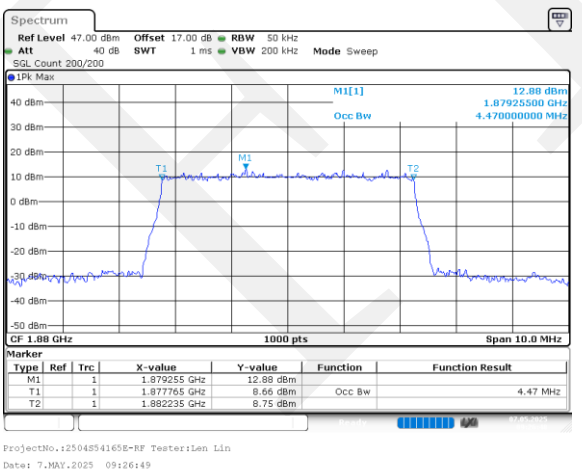
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:26:39

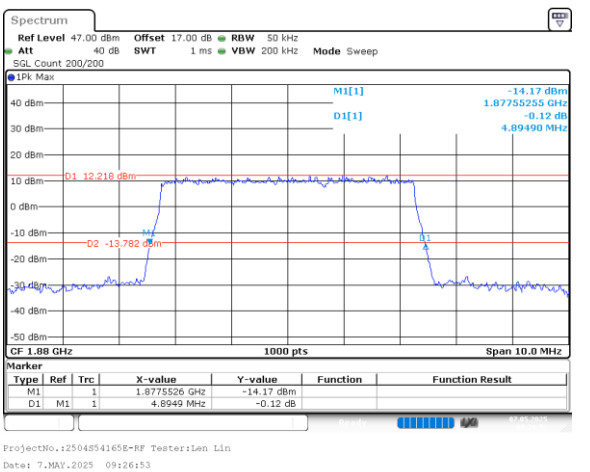
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:26:49

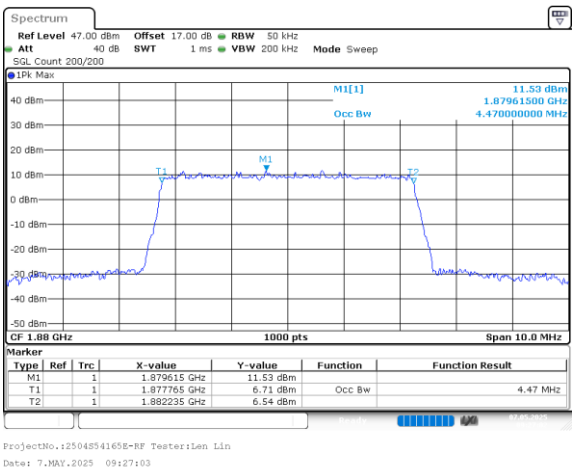
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:26:53

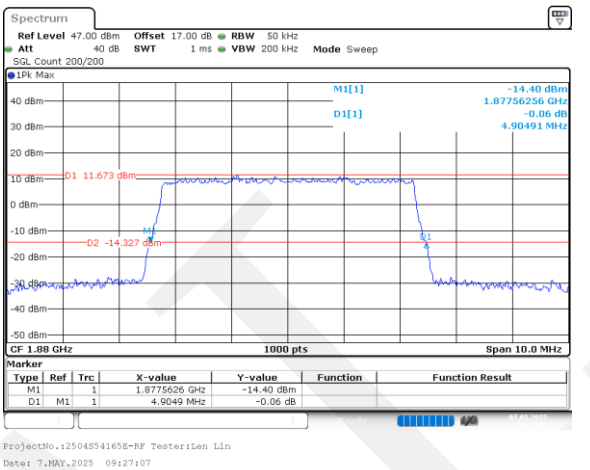
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:27:03

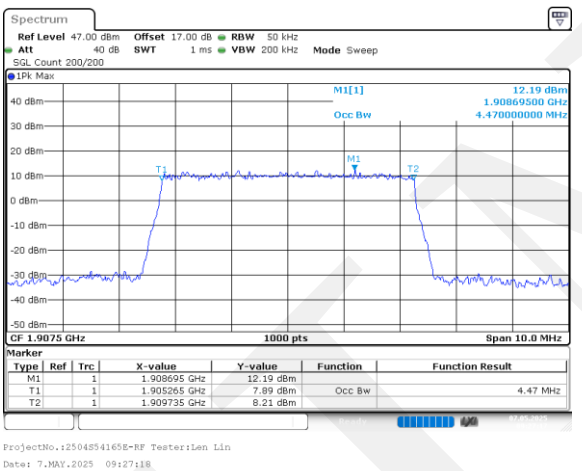
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:27:07

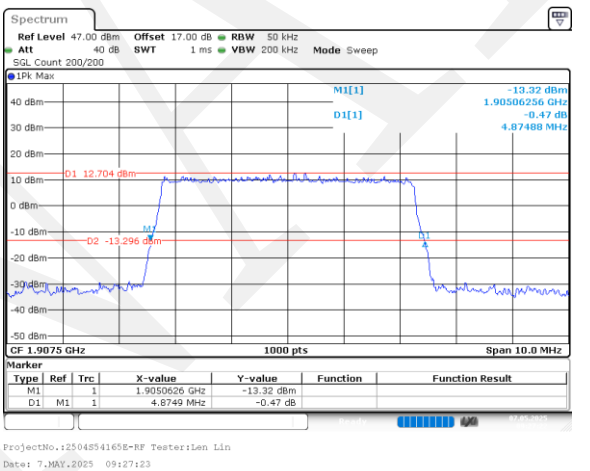
5MHz_High_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:27:18

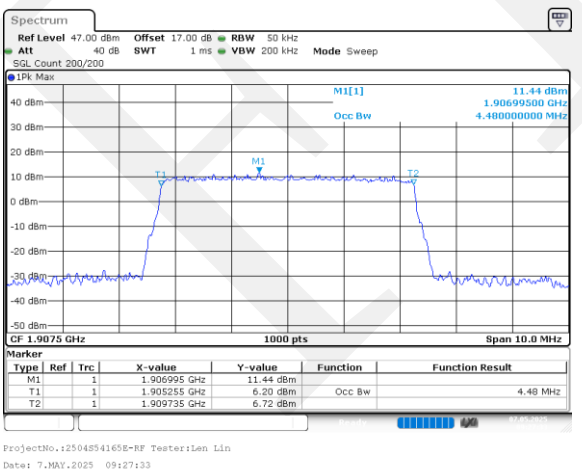
26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:27:23

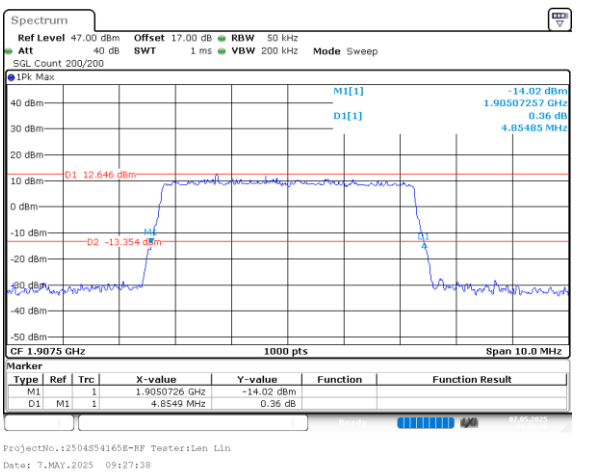
5MHz_High_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:27:33

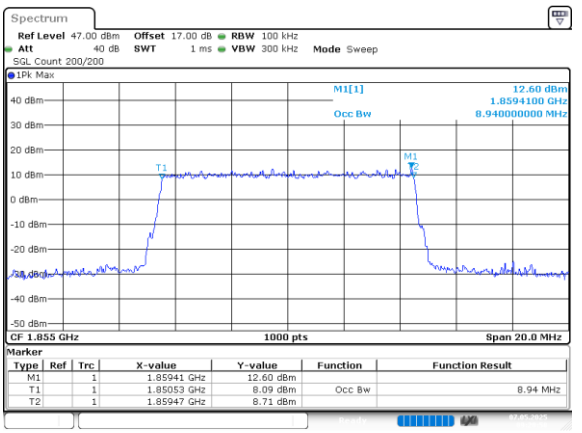
26dB Bandwidth



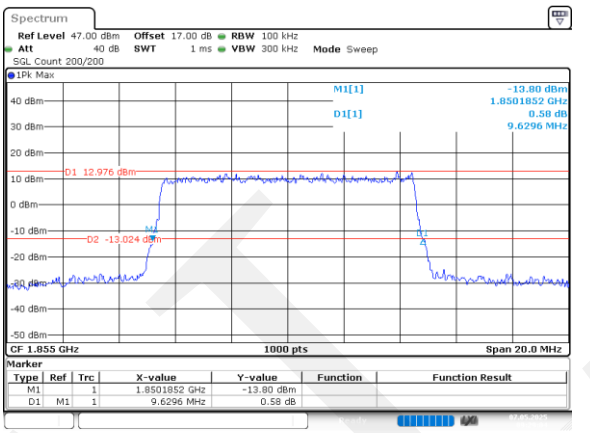
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 7.MAY.2025 09:27:38

10MHz_Low_QPSK_50@0

Occupied Bandwidth

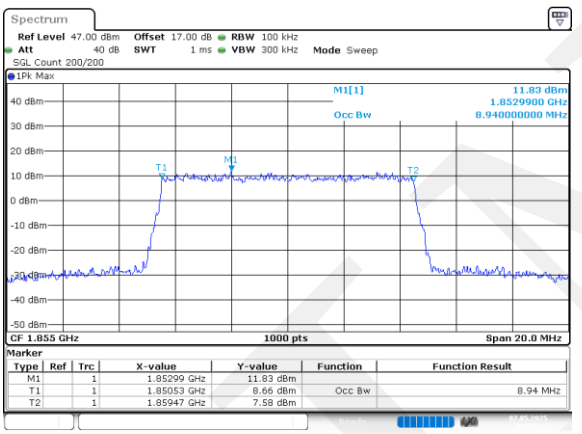


26dB Bandwidth

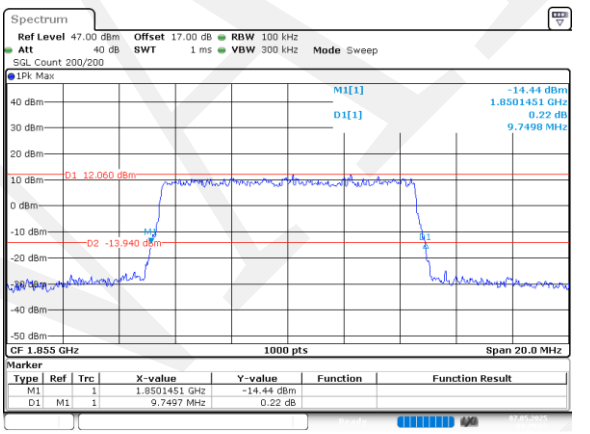


10MHz_Low_16QAM_50@0

Occupied Bandwidth

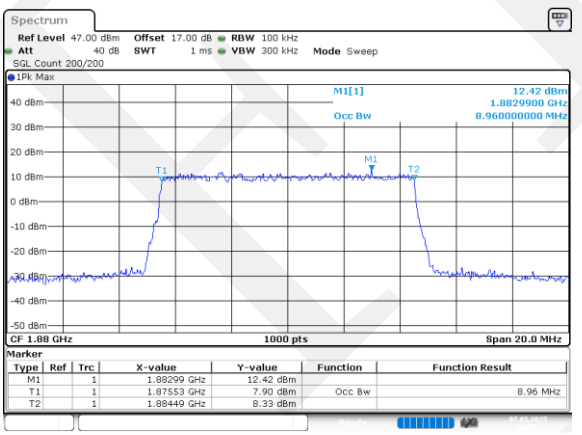


26dB Bandwidth

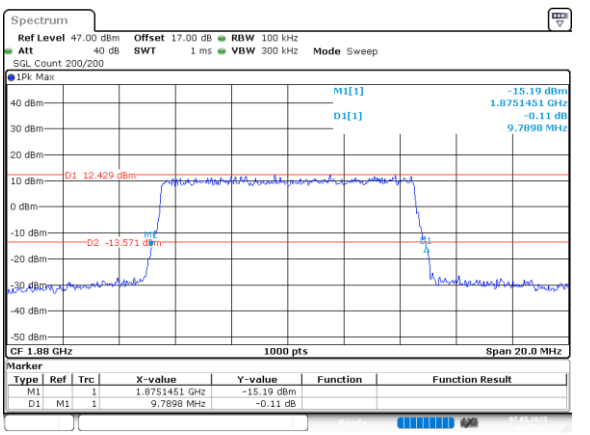


10MHz_Middle_QPSK_50@0

Occupied Bandwidth

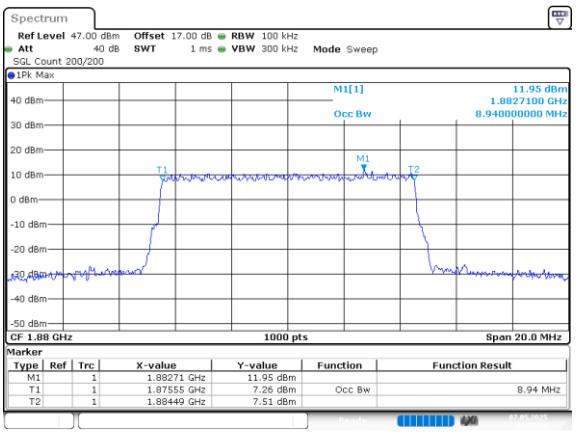


26dB Bandwidth

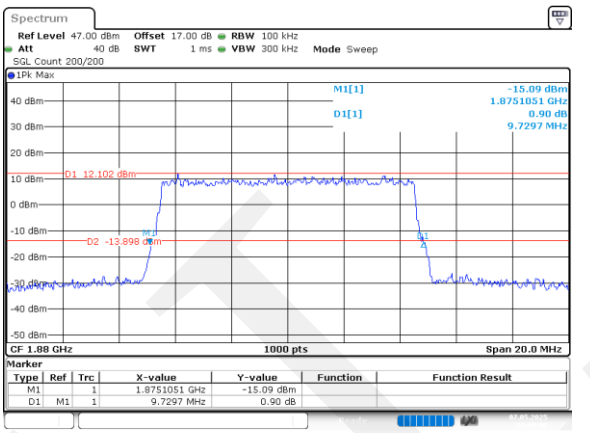


10MHz_Middle_16QAM_50@0

Occupied Bandwidth

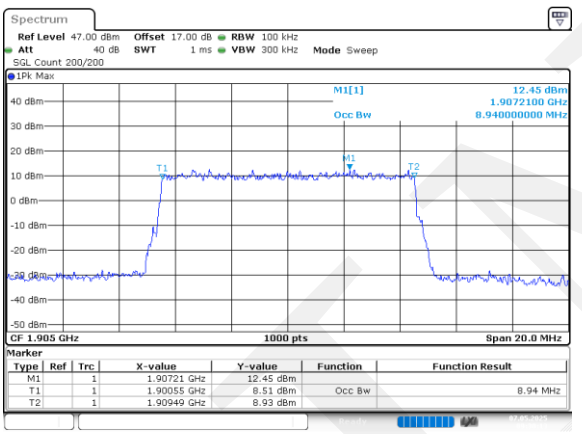


26dB Bandwidth

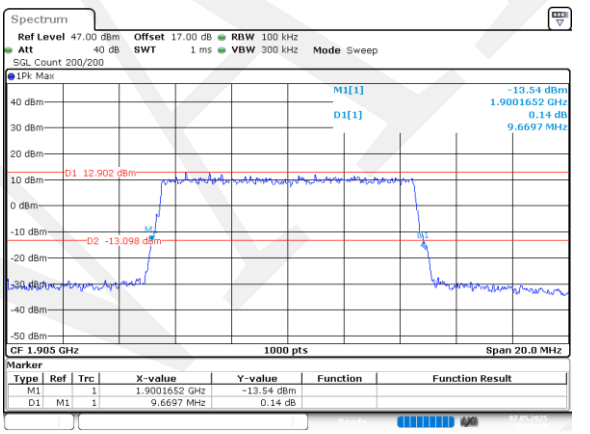


10MHz_High_QPSK_50@0

Occupied Bandwidth

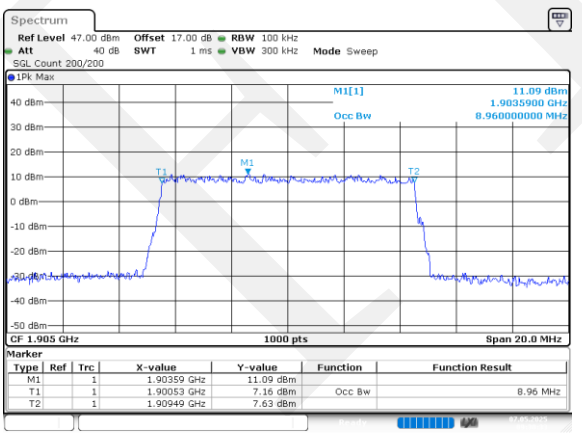


26dB Bandwidth

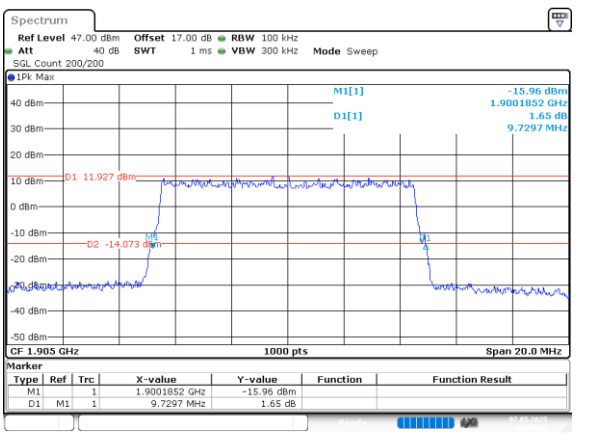


10MHz_High_16QAM_50@0

Occupied Bandwidth

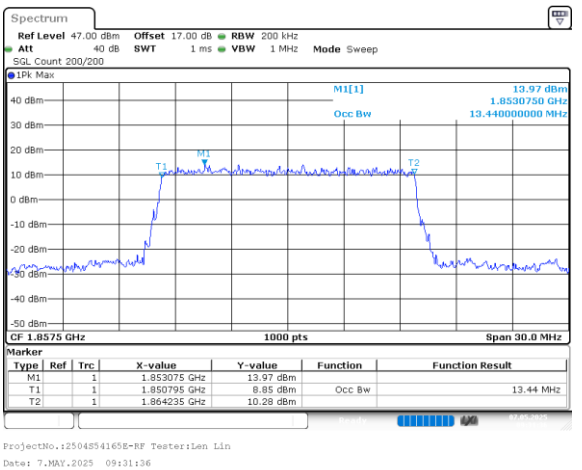


26dB Bandwidth

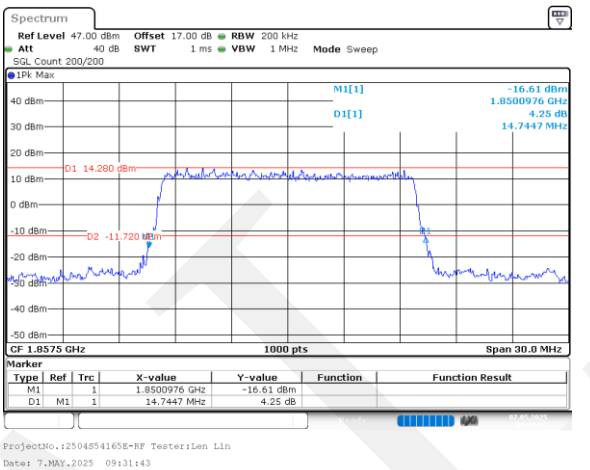


15MHz_Low_QPSK_75@0

Occupied Bandwidth

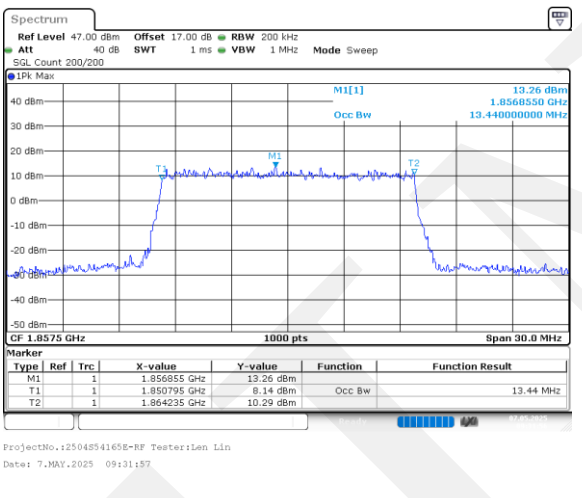


26dB Bandwidth

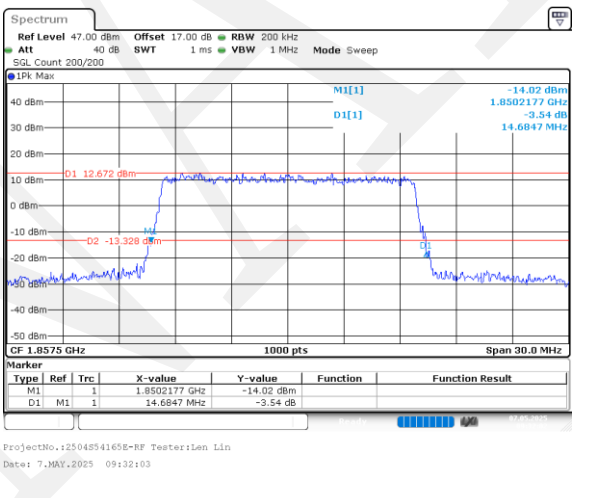


15MHz_Low_16QAM_75@0

Occupied Bandwidth

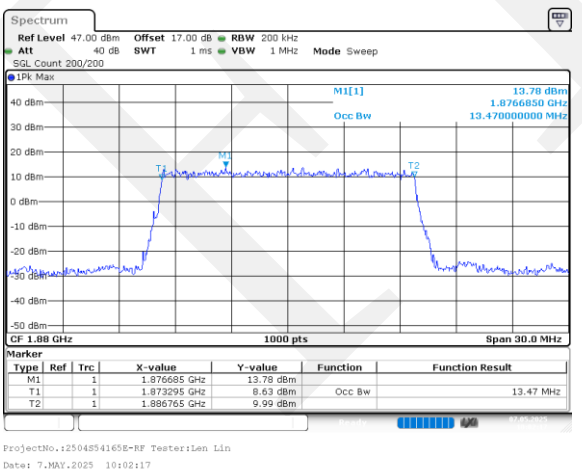
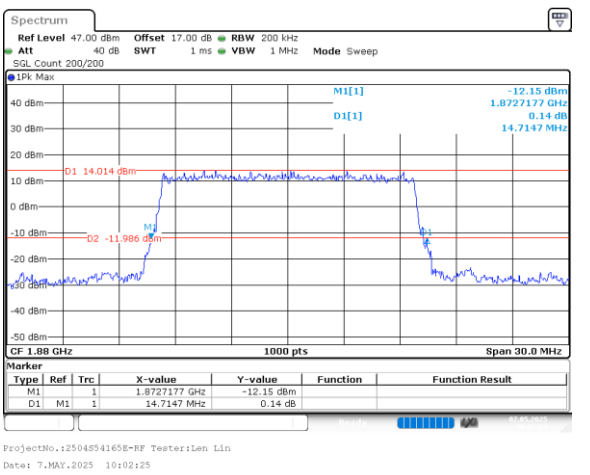


26dB Bandwidth



15MHz_Middle_QPSK_75@0

Occupied Bandwidth



26dB Bandwidth