

Occupied Bandwidth

FCC Part 24E

LTE Band 2, Normal

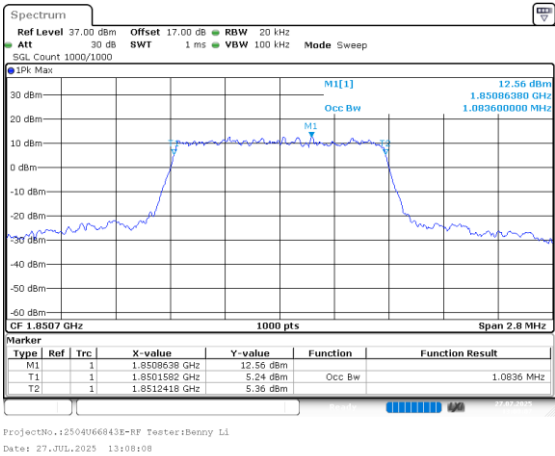
Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Low_QPSK_6@0	1.084	1.239
1.4MHz_Low_16QAM_6@0	1.095	1.242
1.4MHz_Middle_QPSK_6@0	1.086	1.247
1.4MHz_Middle_16QAM_6@0	1.081	1.236
1.4MHz_High_QPSK_6@0	1.081	1.242
1.4MHz_High_16QAM_6@0	1.084	1.250
3MHz_Low_QPSK_15@0	2.688	3.081
3MHz_Low_16QAM_15@0	2.694	3.021
3MHz_Middle_QPSK_15@0	2.688	3.045
3MHz_Middle_16QAM_15@0	2.694	3.051
3MHz_High_QPSK_15@0	2.688	2.991
3MHz_High_16QAM_15@0	2.688	3.075
5MHz_Low_QPSK_25@0	4.480	4.905
5MHz_Low_16QAM_25@0	4.480	4.925
5MHz_Middle_QPSK_25@0	4.470	4.915
5MHz_Middle_16QAM_25@0	4.460	4.895
5MHz_High_QPSK_25@0	4.480	4.905
5MHz_High_16QAM_25@0	4.480	4.935
10MHz_Low_QPSK_50@0	8.920	9.770
10MHz_Low_16QAM_50@0	8.940	9.870
10MHz_Middle_QPSK_50@0	8.940	9.750
10MHz_Middle_16QAM_50@0	8.980	9.770
10MHz_High_QPSK_50@0	8.920	9.710
10MHz_High_16QAM_50@0	8.940	9.710
15MHz_Low_QPSK_75@0	13.440	14.084
15MHz_Low_16QAM_75@0	13.380	14.805
15MHz_Middle_QPSK_75@0	13.410	14.775
15MHz_Middle_16QAM_75@0	13.470	14.745
15MHz_High_QPSK_75@0	13.440	14.745
15MHz_High_16QAM_75@0	13.440	14.595

Mode	99% OBW (MHz)	26dB BW (MHz)
20MHz_Low_QPSK_100@0	17.880	19.299
20MHz_Low_16QAM_100@0	17.840	19.419
20MHz_Middle_QPSK_100@0	17.920	19.540
20MHz_Middle_16QAM_100@0	17.880	19.379
20MHz_High_QPSK_100@0	17.800	19.259
20MHz_High_16QAM_100@0	17.840	19.339

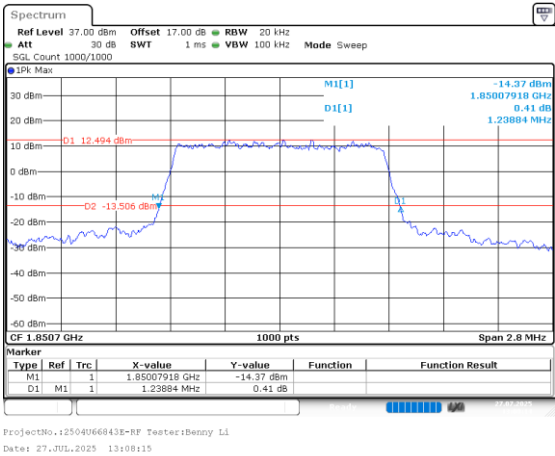
LTE Band 2, Normal

1.4MHz_Low_QPSK_6@0

Occupied Bandwidth

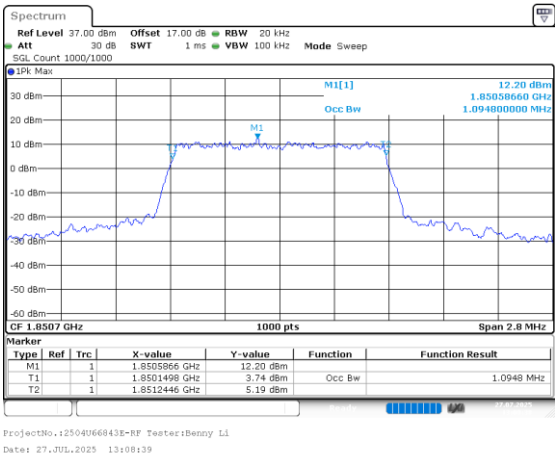


26dB Bandwidth

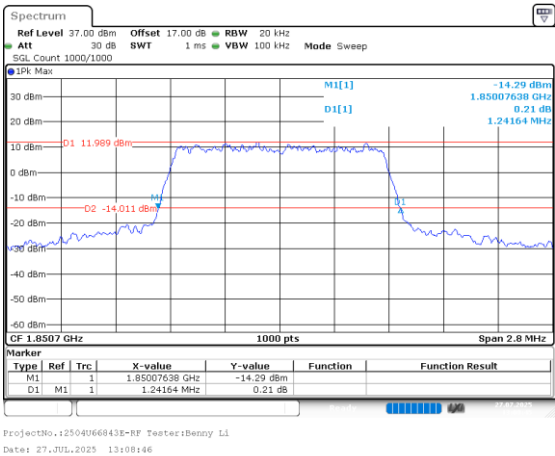


1.4MHz_Low_16QAM_6@0

Occupied Bandwidth

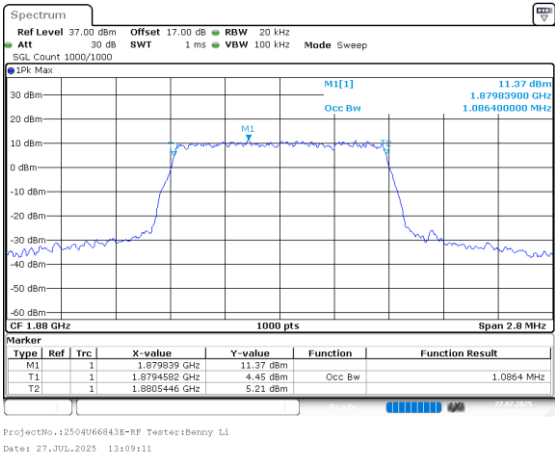


26dB Bandwidth

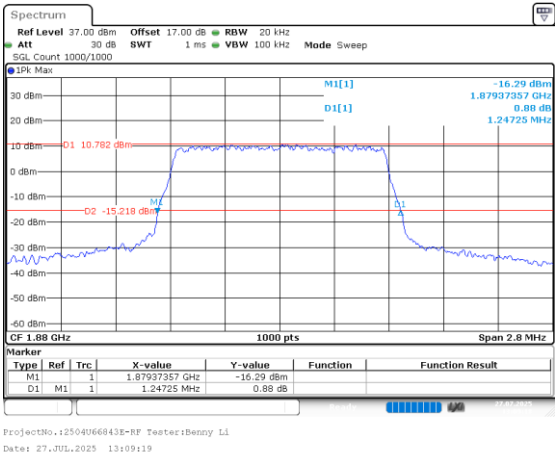


1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth



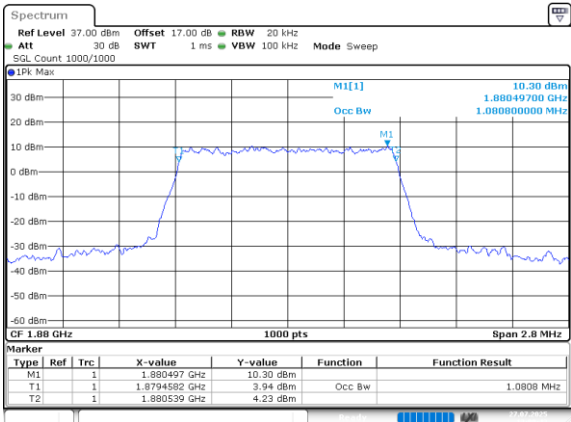
26dB Bandwidth



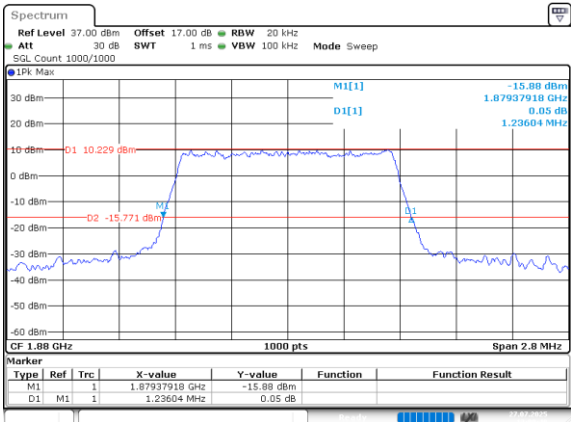
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:09:43

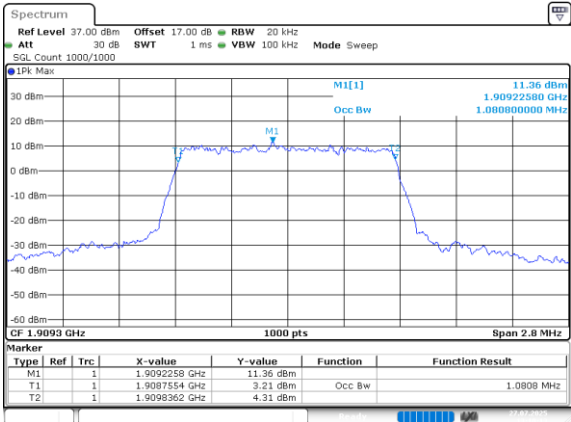


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:09:50

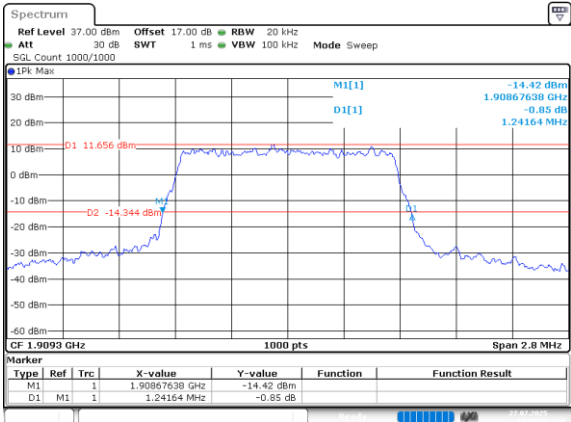
1.4MHz_High_QPSK_6@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:10:14

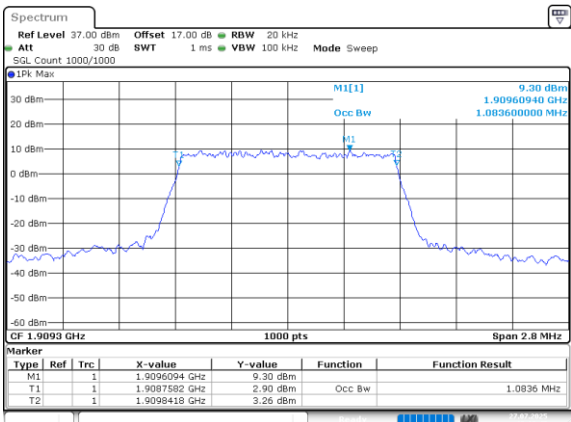


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:10:21

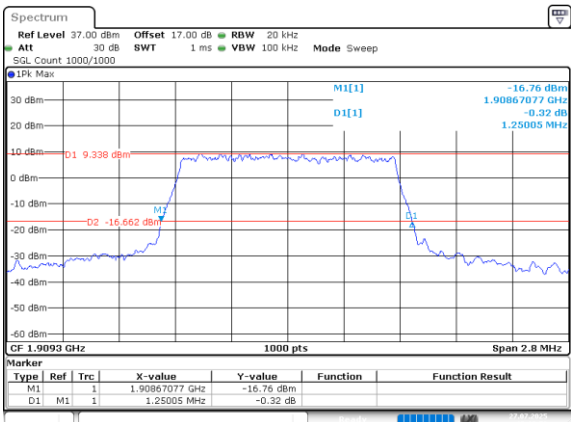
1.4MHz_High_16QAM_6@0

Occupied Bandwidth

26dB Bandwidth



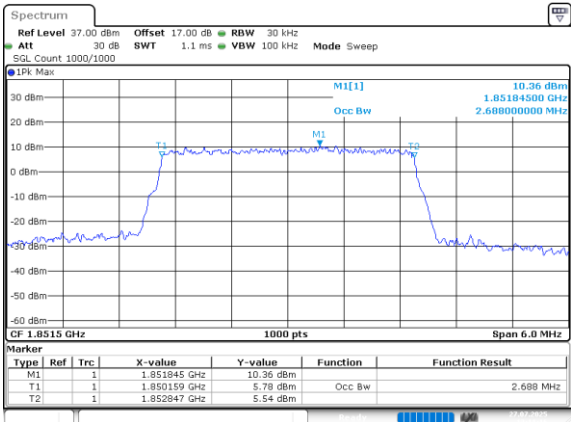
ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:10:45



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:10:53

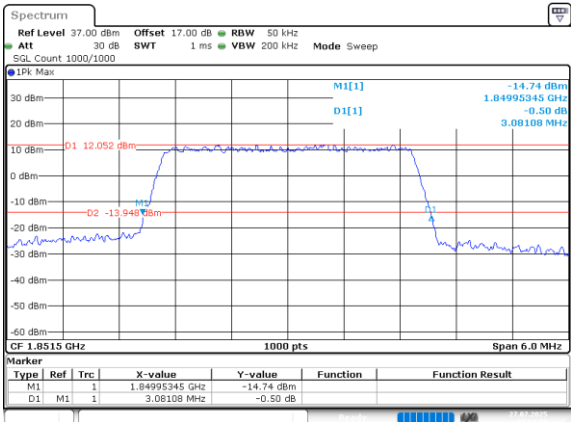
3MHz_Low_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:11:16

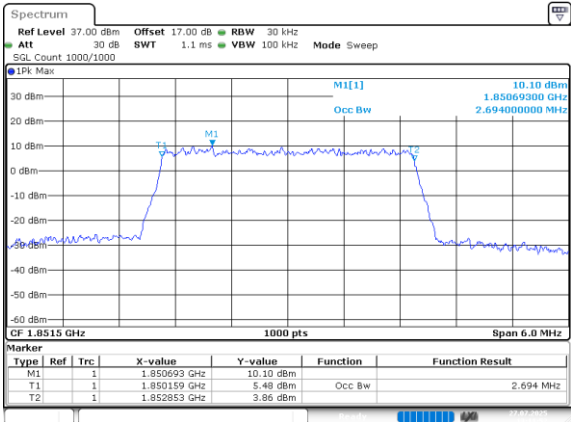
26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:11:34

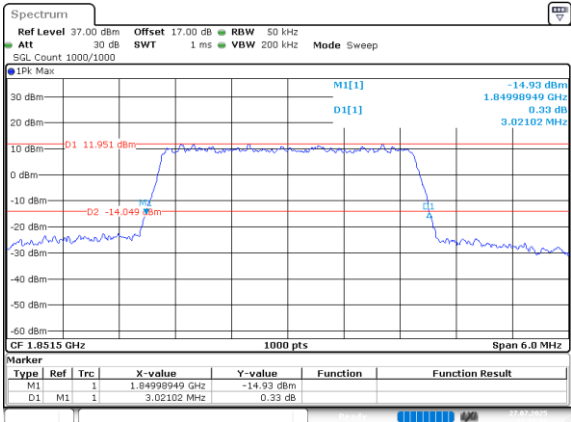
3MHz_Low_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:11:53

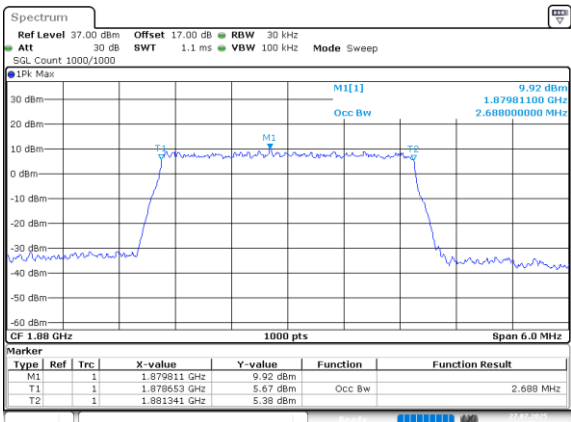
26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:12:10

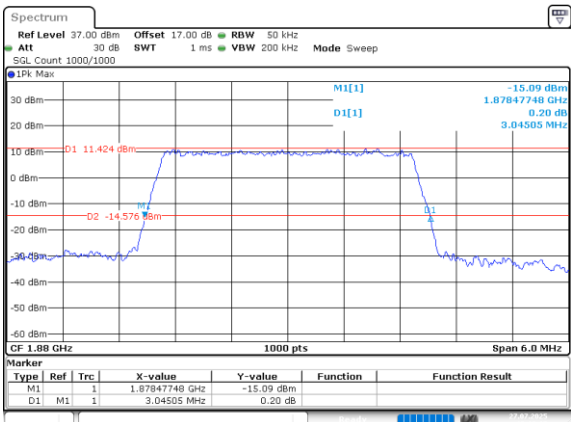
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:12:26

26dB Bandwidth

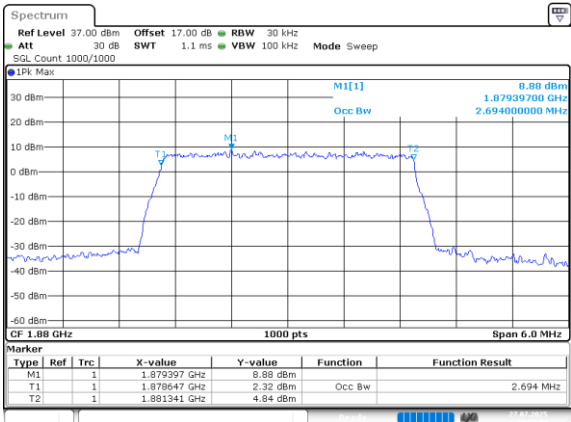


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:12:37

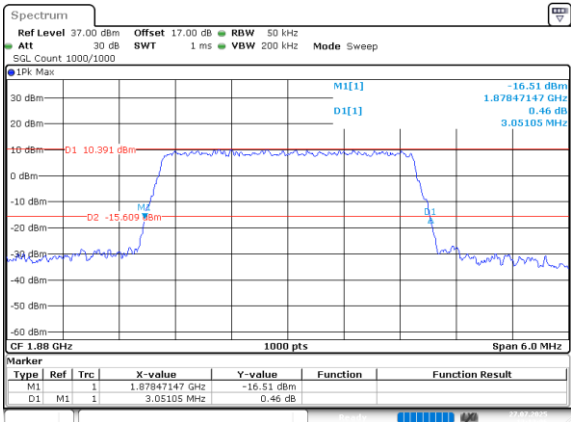
3MHz_Middle_16QAM_15@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:12:55

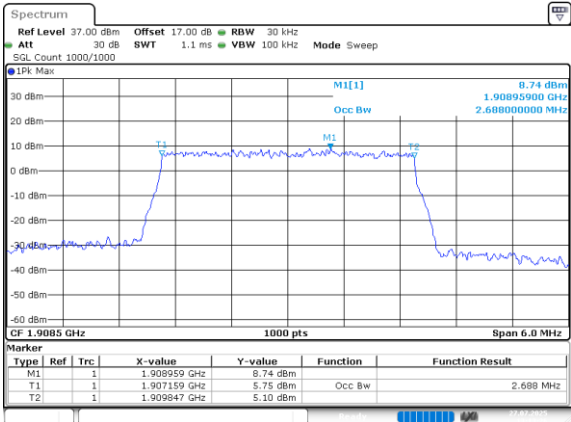


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:13:07

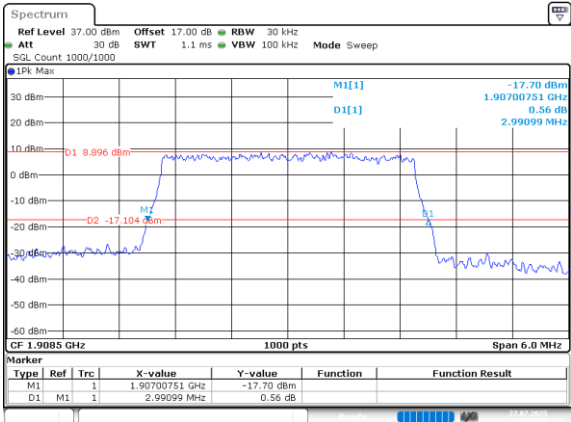
3MHz_High_QPSK_15@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:13:26

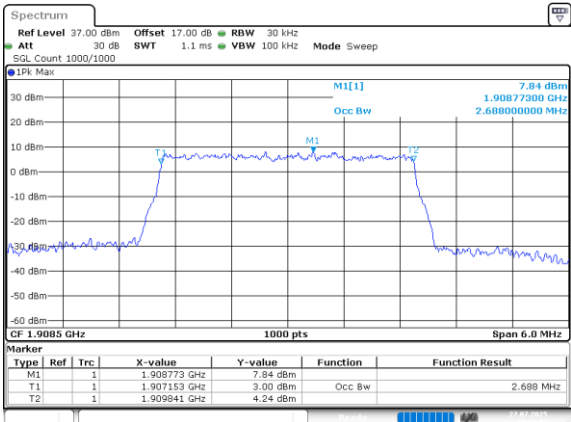


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:13:37

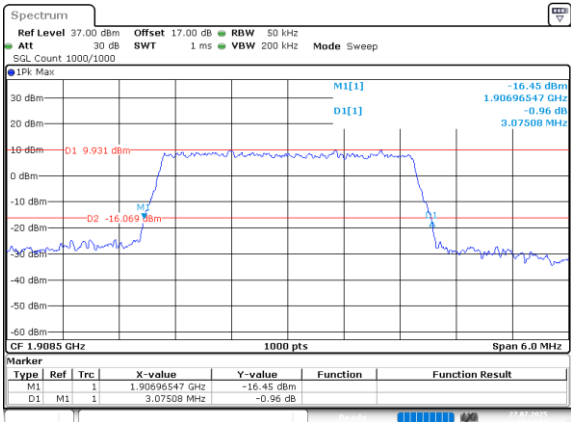
3MHz_High_16QAM_15@0

Occupied Bandwidth

26dB Bandwidth



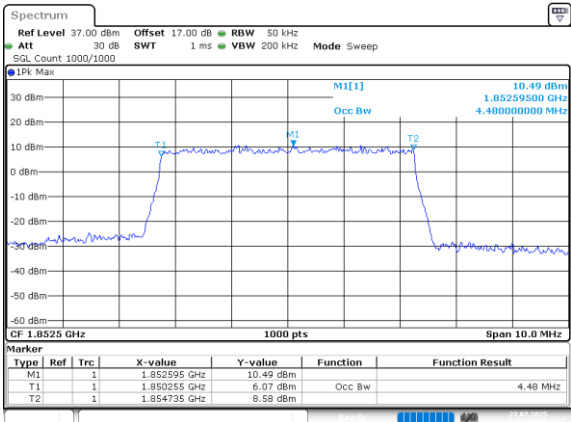
ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:13:57



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:14:15

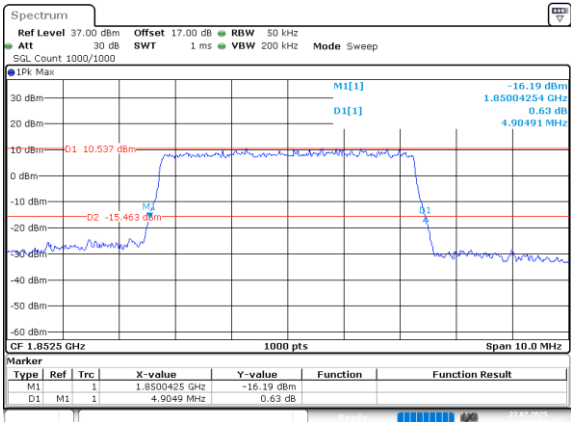
5MHz_Low_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:14:40

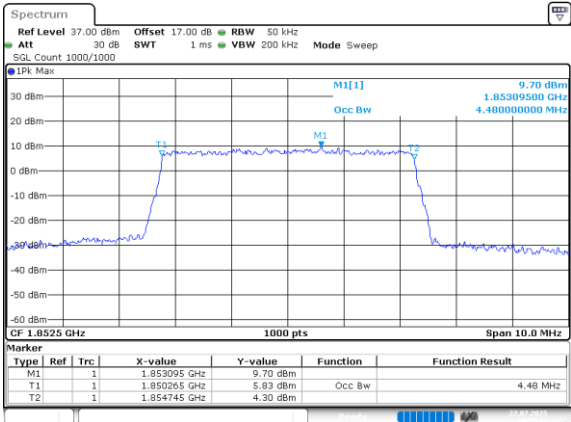
26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:14:52

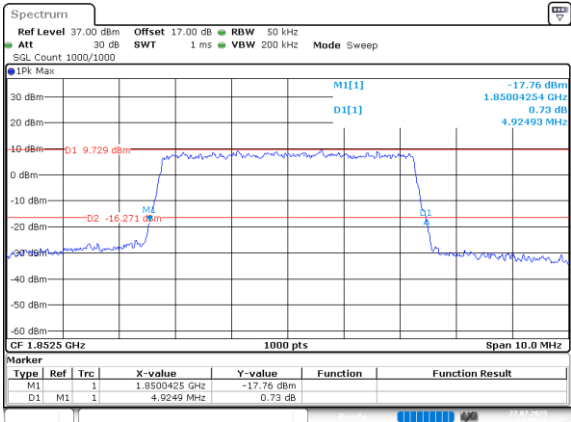
5MHz_Low_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:15:15

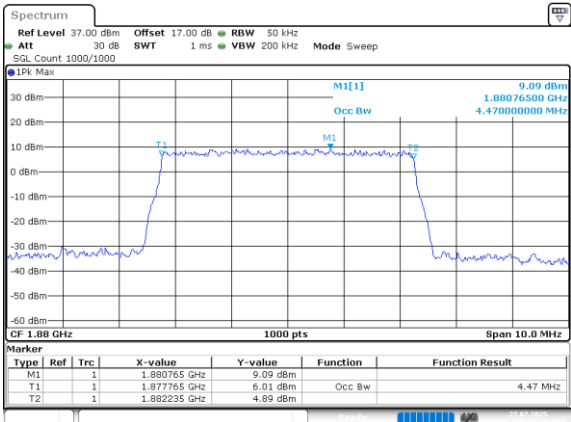
26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:15:26

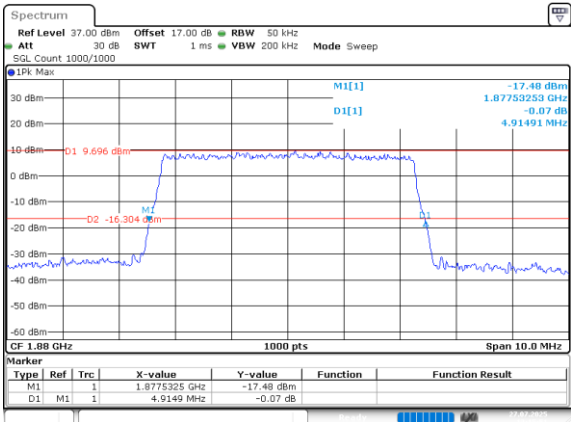
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:15:44

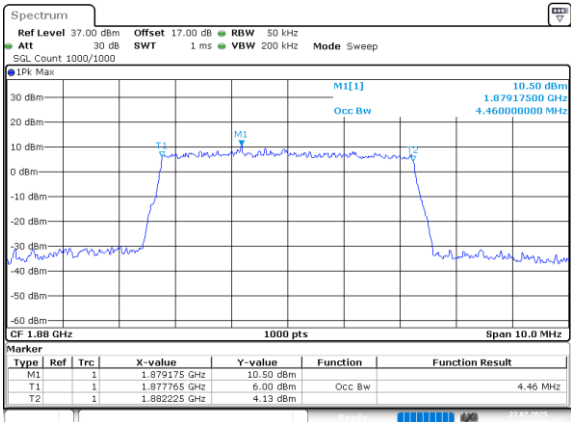
26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:15:52

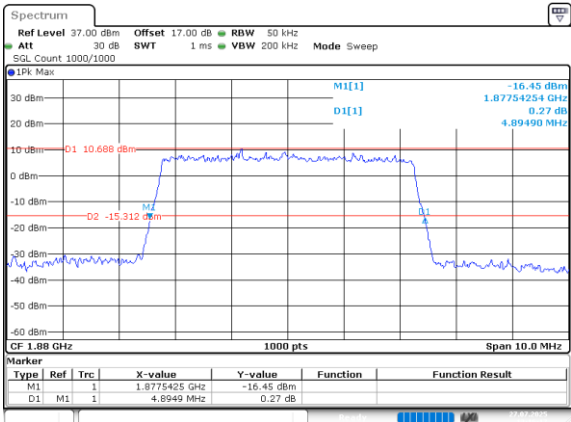
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:16:10

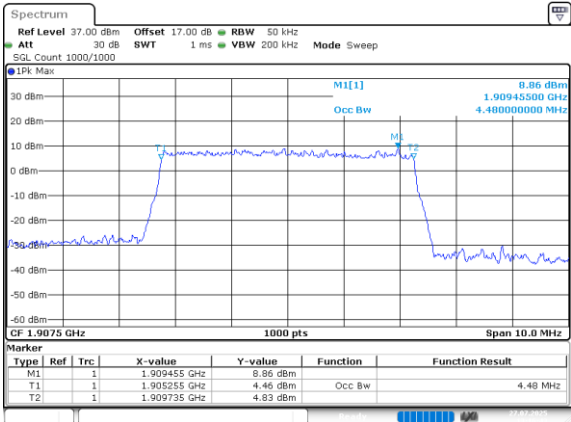
26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:16:18

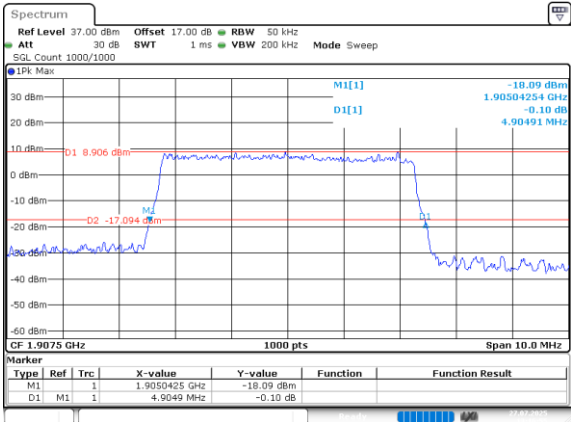
5MHz_High_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:16:43

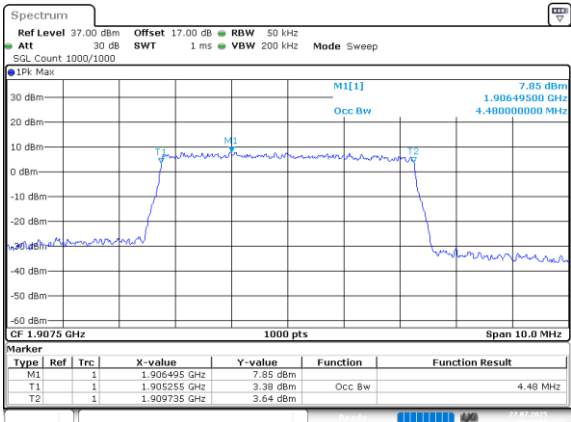
26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:16:55

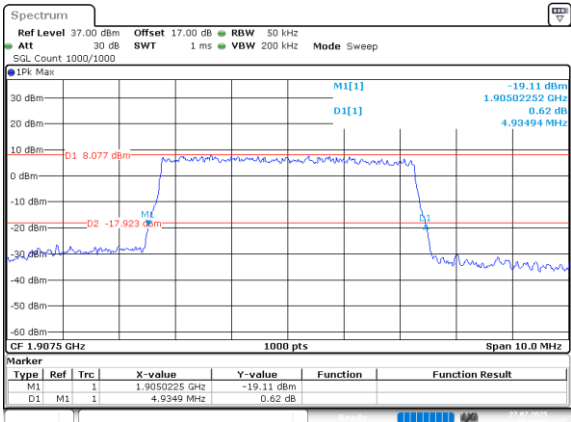
5MHz_High_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:17:19

26dB Bandwidth

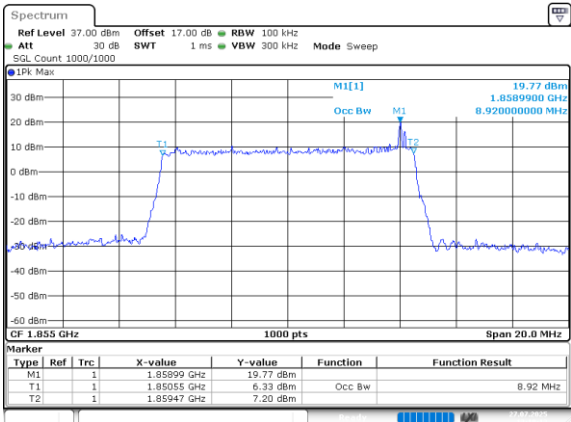


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:17:32

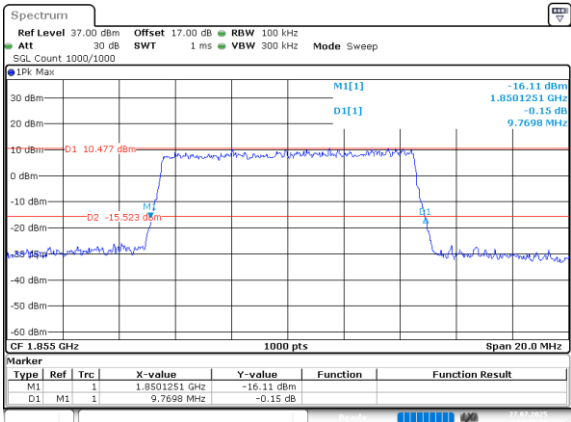
10MHz_Low_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:10:12

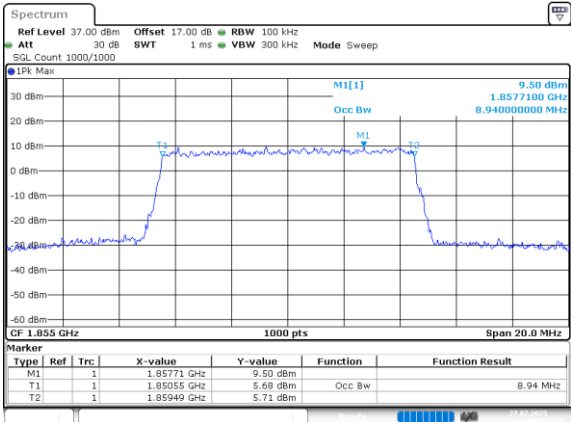


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:10:29

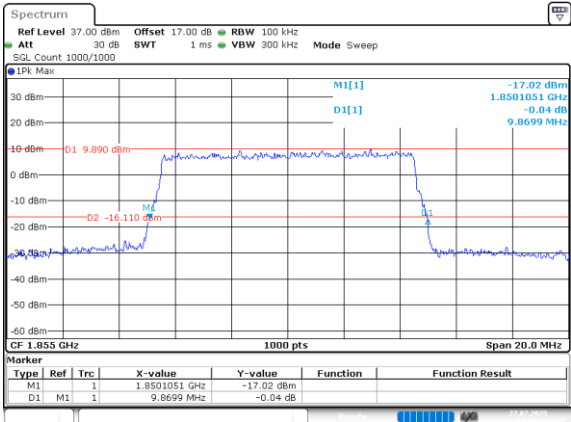
10MHz_Low_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:10:57

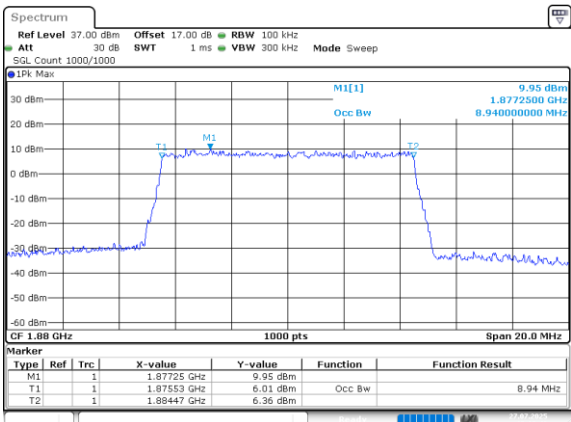


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:19:14

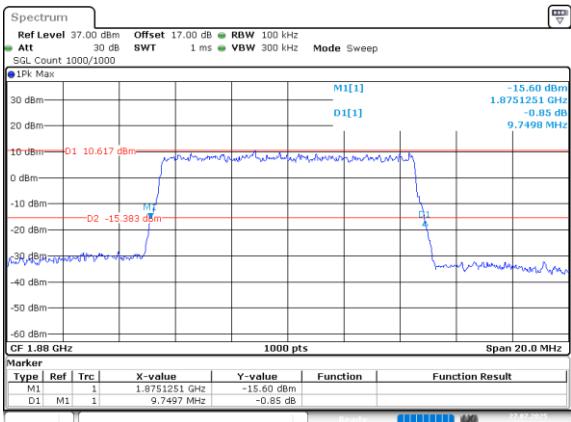
10MHz_Middle_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:19:40

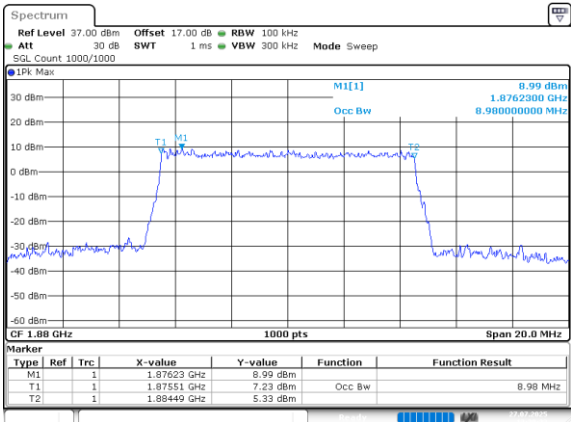


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:19:55

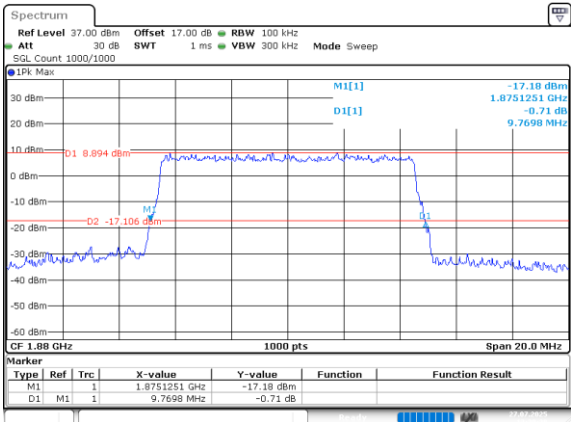
10MHz_Middle_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:20:23

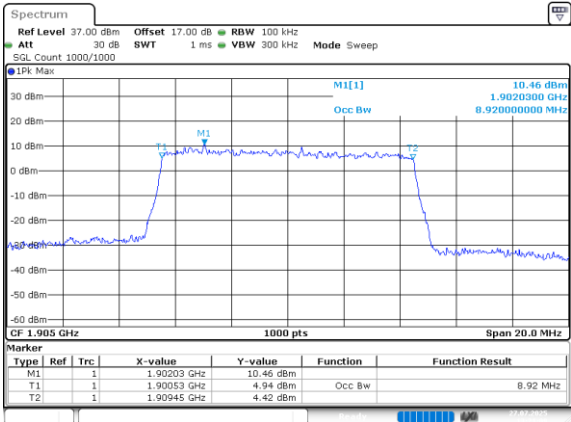


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:20:39

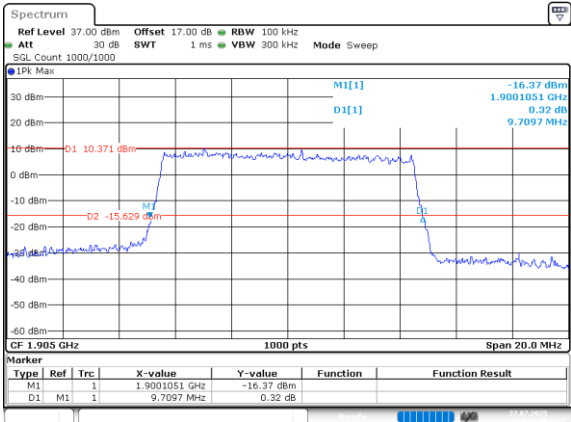
10MHz_High_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:21:09

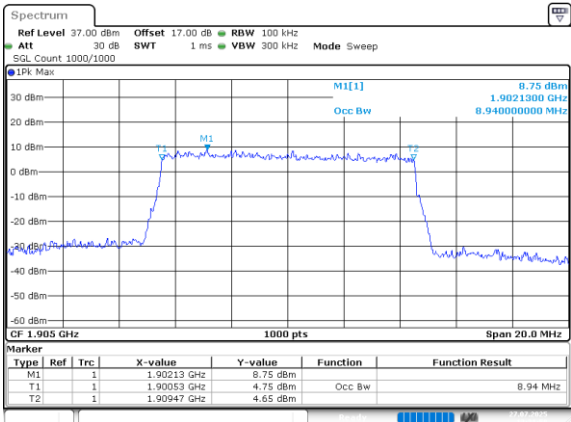


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:21:28

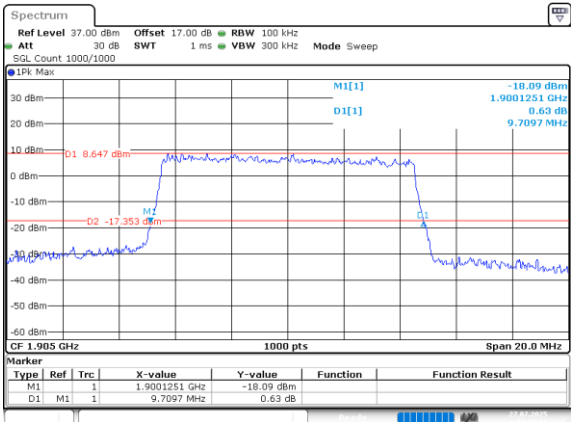
10MHz_High_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:21:57

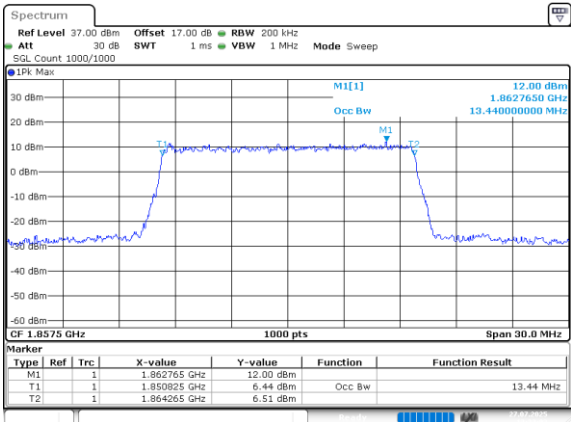


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:22:16

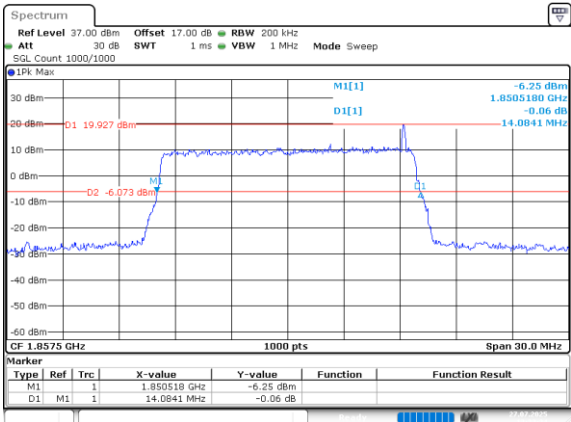
15MHz_Low_QPSK_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:23:03

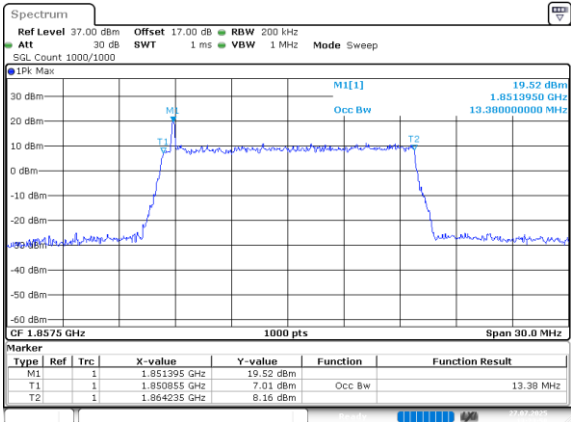


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:23:23

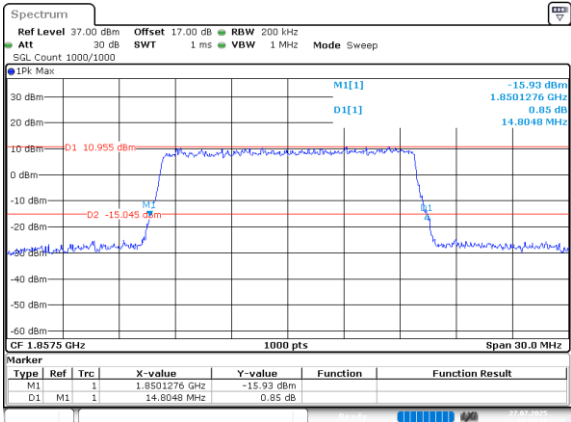
15MHz_Low_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:23:57

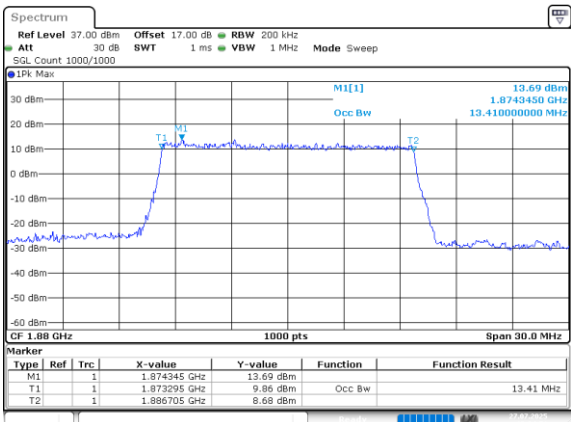


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:24:18

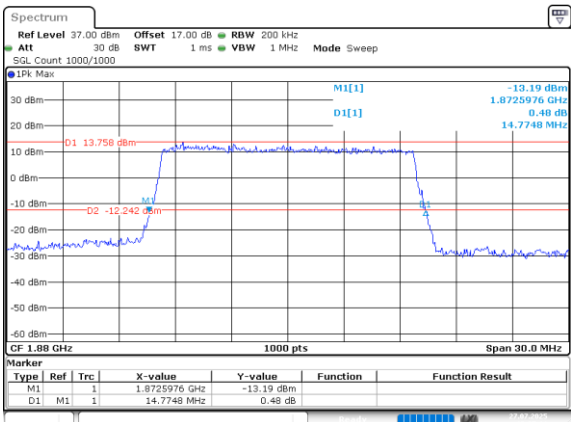
15MHz_Middle_QPSK_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:24:51

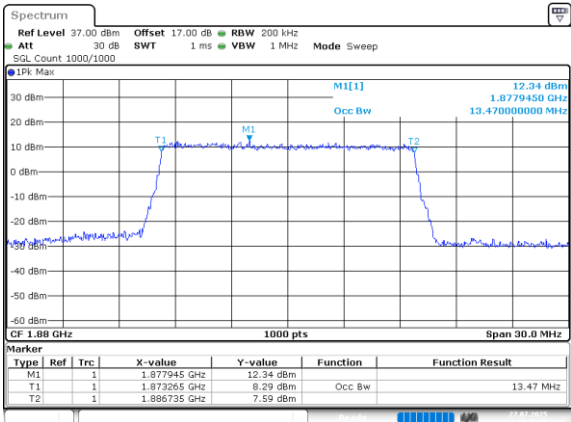


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:25:11

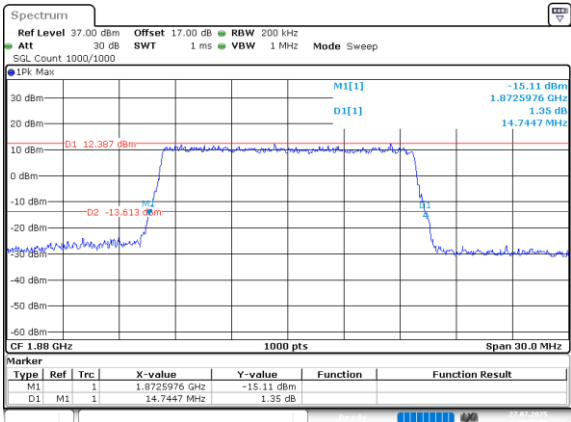
15MHz_Middle_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:25:44

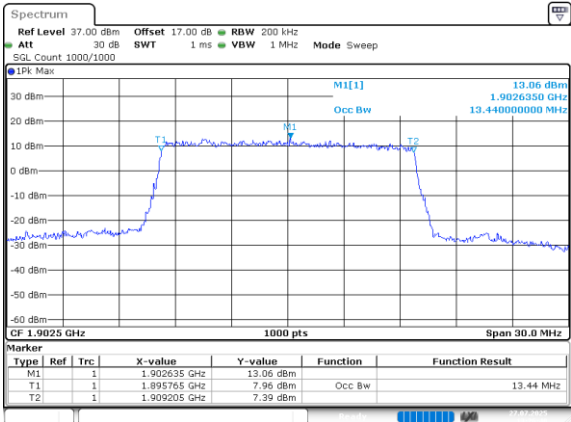


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:26:05

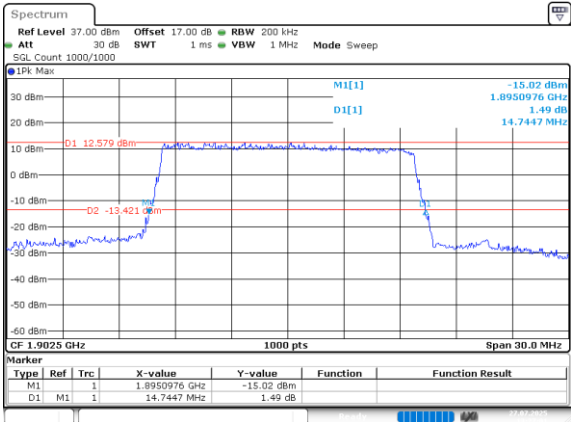
15MHz_High_QPSK_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:26:40

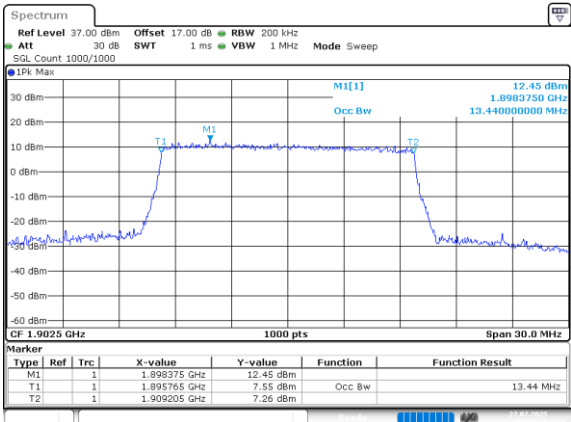


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:27:01

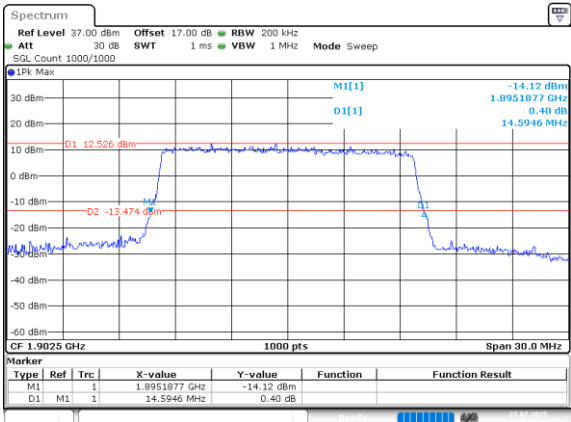
15MHz_High_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:27:36

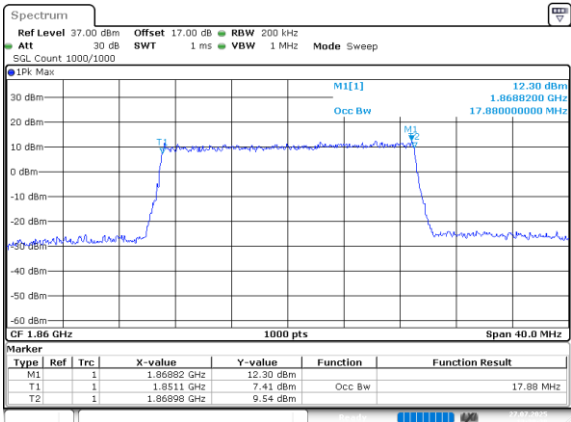


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:27:56

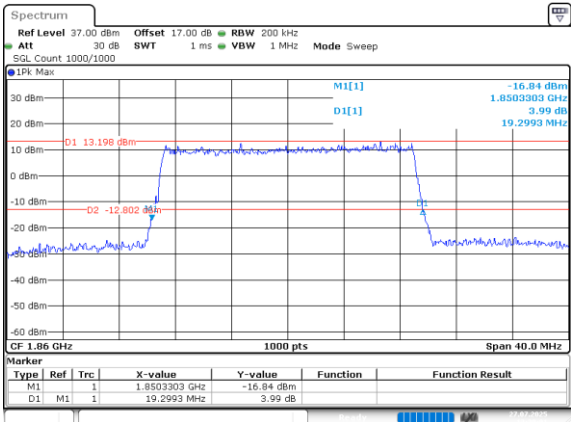
20MHz_Low_QPSK_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:28:38

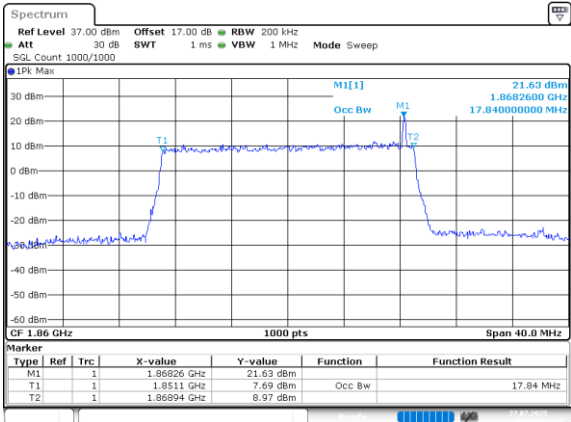


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:29:01

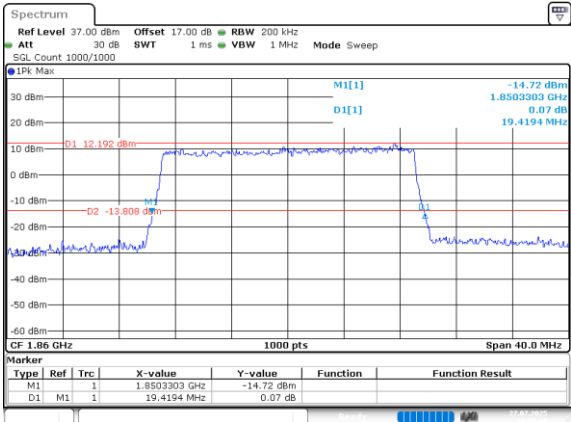
20MHz_Low_16QAM_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:29:42

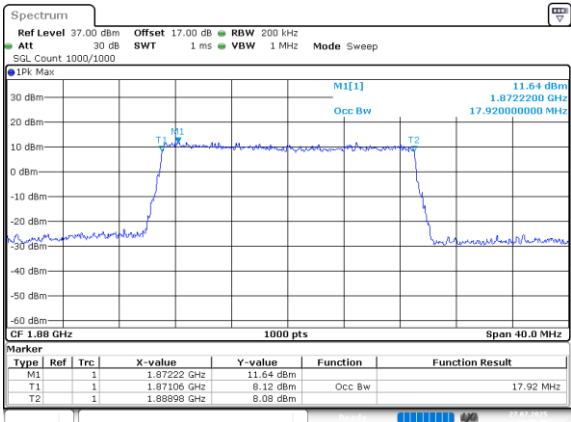


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:30:06

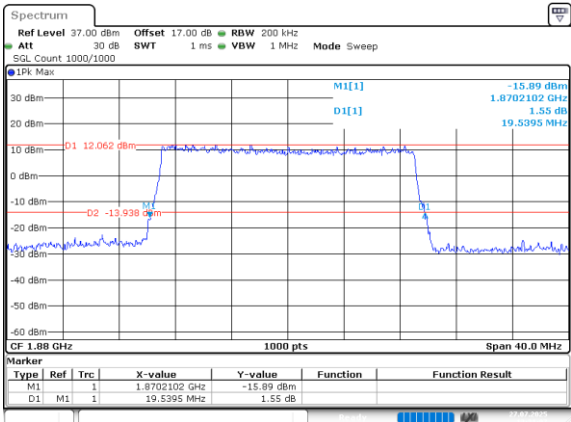
20MHz_Middle_QPSK_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:30:45

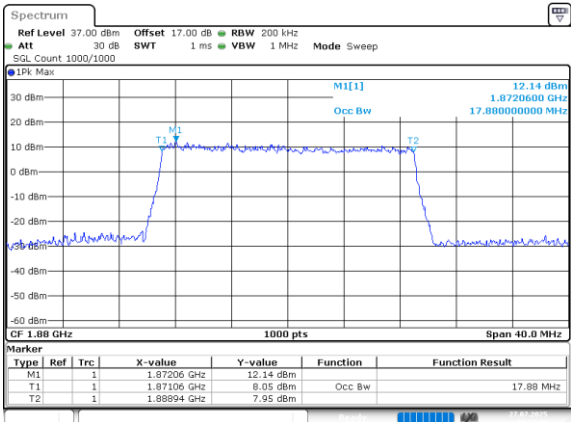


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:31:07

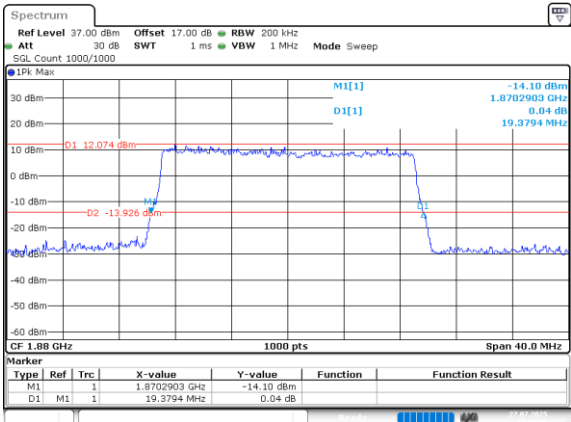
20MHz_Middle_16QAM_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:31:44

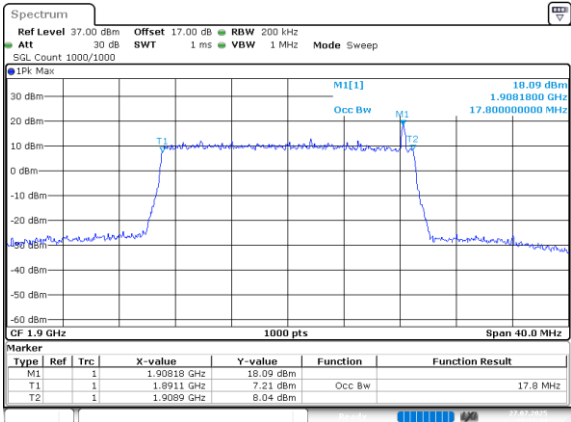


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:32:06

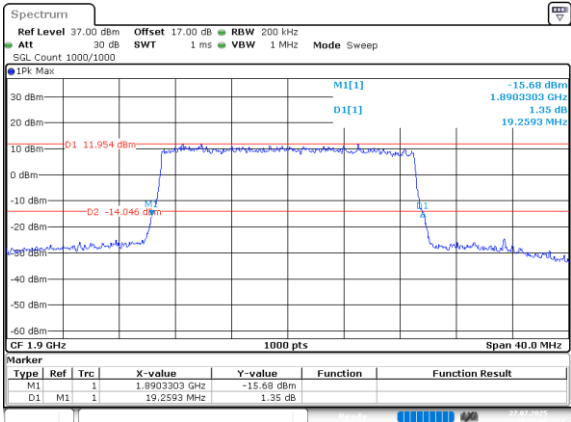
20MHz_High_QPSK_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:32:44

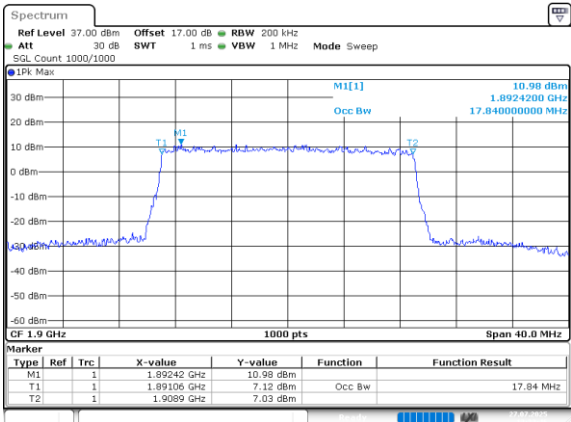


ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:33:08

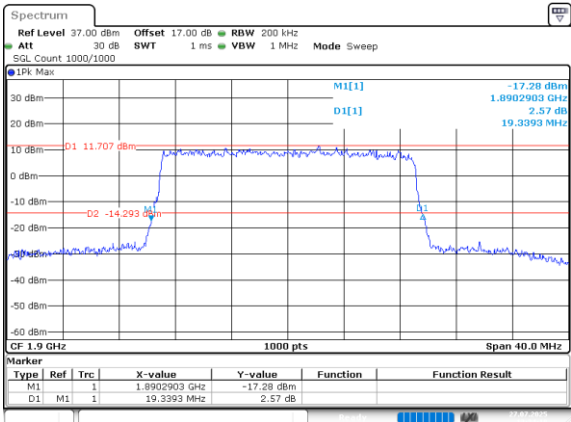
20MHz_High_16QAM_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:33:46



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 27.JUL.2025 13:34:10

FCC Part 27

LTE Band 4, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Low_QPSK_6@0	1.089	1.247
1.4MHz_Low_16QAM_6@0	1.084	1.242
1.4MHz_Middle_QPSK_6@0	1.081	1.242
1.4MHz_Middle_16QAM_6@0	1.084	1.247
1.4MHz_High_QPSK_6@0	1.078	1.236
1.4MHz_High_16QAM_6@0	1.089	1.239
3MHz_Low_QPSK_15@0	2.688	3.015
3MHz_Low_16QAM_15@0	2.688	3.057
3MHz_Middle_QPSK_15@0	2.688	3.063
3MHz_Middle_16QAM_15@0	2.688	3.039
3MHz_High_QPSK_15@0	2.694	3.051
3MHz_High_16QAM_15@0	2.688	3.057
5MHz_Low_QPSK_25@0	4.470	4.895
5MHz_Low_16QAM_25@0	4.490	4.935
5MHz_Middle_QPSK_25@0	4.480	4.905
5MHz_Middle_16QAM_25@0	4.480	4.915
5MHz_High_QPSK_25@0	4.470	4.915
5MHz_High_16QAM_25@0	4.470	4.885
10MHz_Low_QPSK_50@0	8.940	9.750
10MHz_Low_16QAM_50@0	8.920	9.770
10MHz_Middle_QPSK_50@0	8.960	9.750
10MHz_Middle_16QAM_50@0	8.920	9.910
10MHz_High_QPSK_50@0	8.920	9.750
10MHz_High_16QAM_50@0	8.960	9.750
15MHz_Low_QPSK_75@0	13.440	14.715
15MHz_Low_16QAM_75@0	13.470	14.655
15MHz_Middle_QPSK_75@0	13.470	14.805
15MHz_Middle_16QAM_75@0	13.500	14.925
15MHz_High_QPSK_75@0	13.410	14.715
15MHz_High_16QAM_75@0	13.410	14.715

Mode	99% OBW (MHz)	26dB BW (MHz)
20MHz_Low_QPSK_100@0	17.880	19.259
20MHz_Low_16QAM_100@0	17.880	19.259
20MHz_Middle_QPSK_100@0	17.920	19.339
20MHz_Middle_16QAM_100@0	17.920	19.419
20MHz_High_QPSK_100@0	17.880	19.259
20MHz_High_16QAM_100@0	17.880	19.460

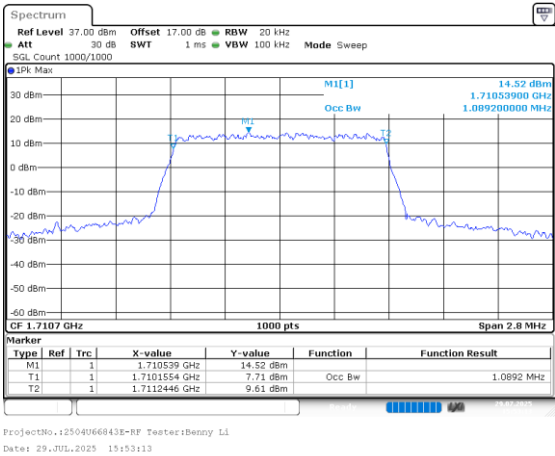
LTE Band 7, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
5MHz_Low_QPSK_25@0	4.470	4.925
5MHz_Low_16QAM_25@0	4.480	4.925
5MHz_Middle_QPSK_25@0	4.470	4.895
5MHz_Middle_16QAM_25@0	4.480	4.885
5MHz_High_QPSK_25@0	4.480	4.945
5MHz_High_16QAM_25@0	4.480	4.995
10MHz_Low_QPSK_50@0	8.960	9.790
10MHz_Low_16QAM_50@0	8.960	9.810
10MHz_Middle_QPSK_50@0	8.940	9.750
10MHz_Middle_16QAM_50@0	8.960	9.810
10MHz_High_QPSK_50@0	8.940	9.730
10MHz_High_16QAM_50@0	8.940	9.910
15MHz_Low_QPSK_75@0	13.470	14.835
15MHz_Low_16QAM_75@0	13.470	14.895
15MHz_Middle_QPSK_75@0	13.440	14.655
15MHz_Middle_16QAM_75@0	13.440	14.835
15MHz_High_QPSK_75@0	13.410	14.865
15MHz_High_16QAM_75@0	13.410	14.775
20MHz_Low_QPSK_100@0	17.960	19.460
20MHz_Low_16QAM_100@0	17.920	19.460
20MHz_Middle_QPSK_100@0	17.880	19.540
20MHz_Middle_16QAM_100@0	17.840	19.419
20MHz_High_QPSK_100@0	17.880	19.299
20MHz_High_16QAM_100@0	17.880	19.460

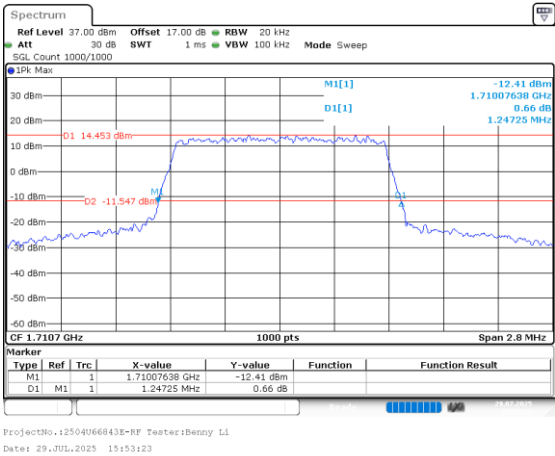
LTE Band 4, Normal

1.4MHz_Low_QPSK_6@0

Occupied Bandwidth

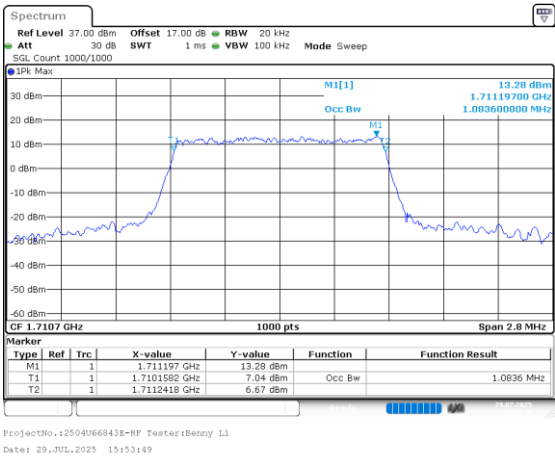


26dB Bandwidth

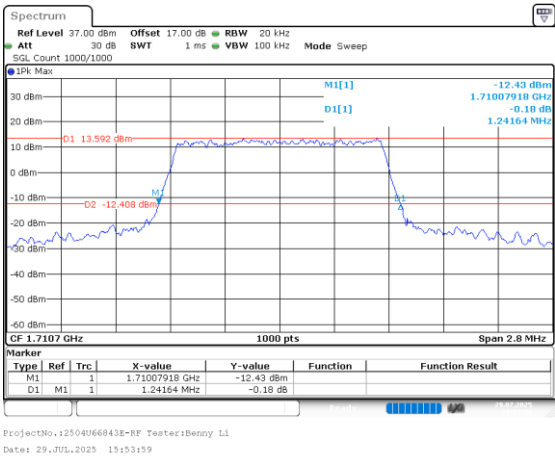


1.4MHz_Low_16QAM_6@0

Occupied Bandwidth

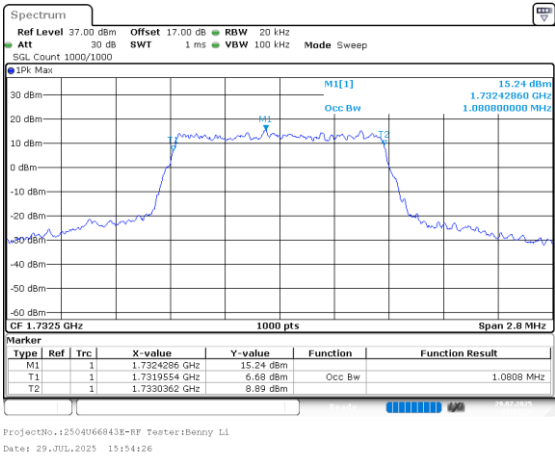


26dB Bandwidth

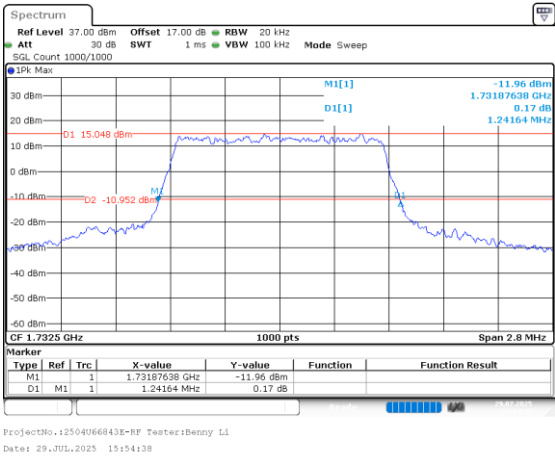


1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth

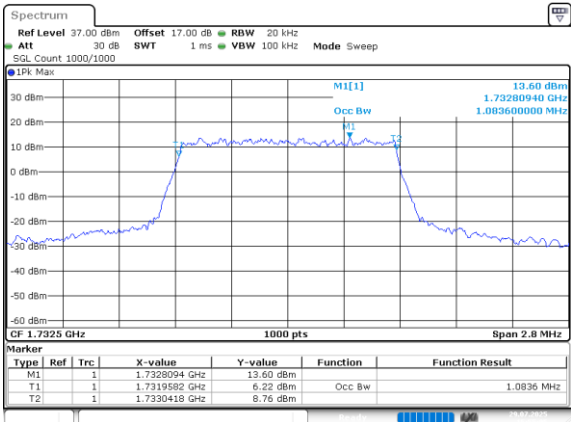


26dB Bandwidth



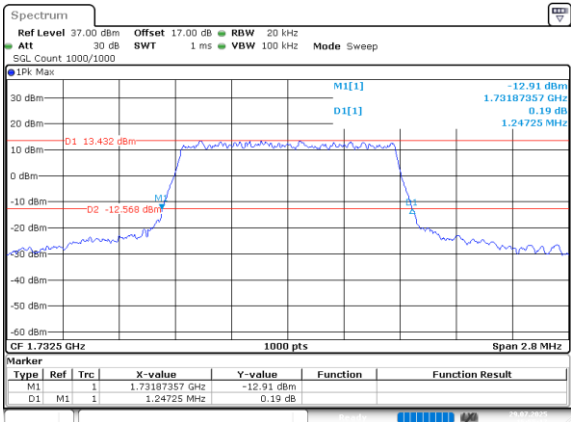
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 29.JUL.2025 15:55:05

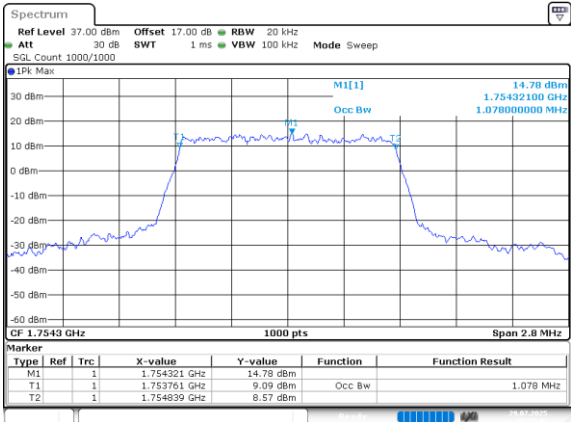
26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 29.JUL.2025 15:55:17

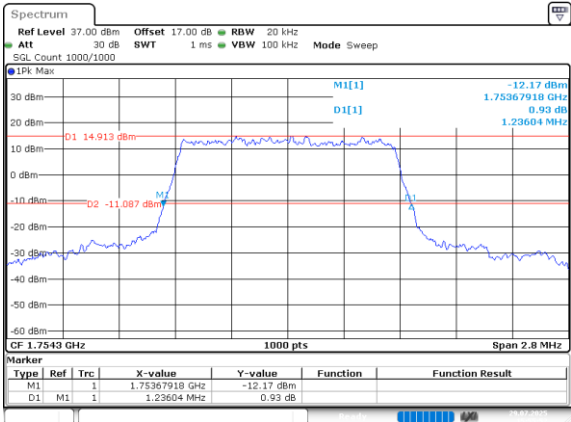
1.4MHz_High_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 29.JUL.2025 15:55:42

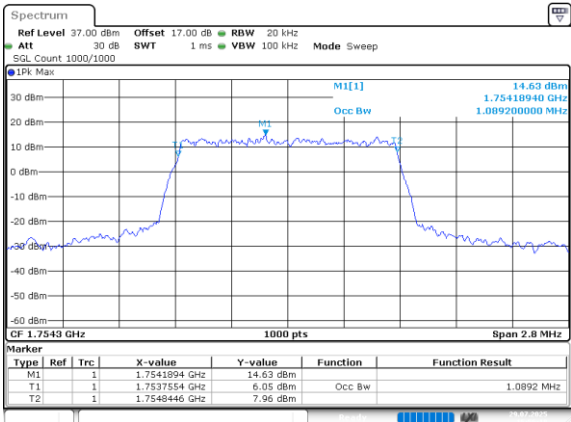
26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 29.JUL.2025 15:55:52

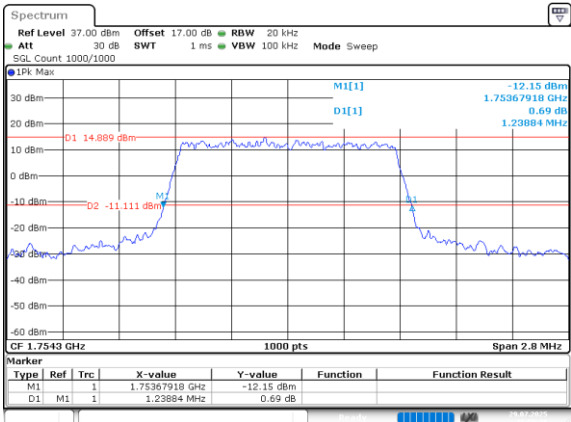
1.4MHz_High_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 29.JUL.2025 15:56:18

26dB Bandwidth



ProjectNo.:2504U66843E-RF Tester:Benny Li
Date: 29.JUL.2025 15:56:28