

Appendix R-4G Occupied Bandwidth

Test Information:

Sample No.:	34GQ-2	Test Date:	2025/06/20~2025/07/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Usain Ou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.2-25.7	Relative Humidity: (%)	43-58	ATM Pressure: (kPa)	99.8-100.8
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Occupied Bandwidth

FCC Part 90S

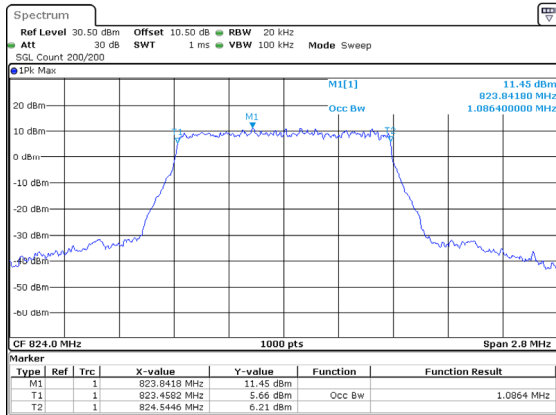
LTE B26_1 & B26_3, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.086	1.256
1.4MHz_Middle_16QAM_6@0	1.078	1.270
3MHz_Middle_QPSK_15@0	2.688	2.859
3MHz_Middle_16QAM_15@0	2.682	2.847
5MHz_Middle_QPSK_25@0	4.470	4.835
5MHz_Middle_16QAM_25@0	4.460	4.835
10MHz_Middle_QPSK_50@0	8.940	9.490
10MHz_Middle_16QAM_50@0	8.920	9.490
15MHz_Middle_QPSK_75@0	13.410	14.324
15MHz_Middle_16QAM_75@0	13.410	14.444

LTE B26_1 & B26_3, Normal

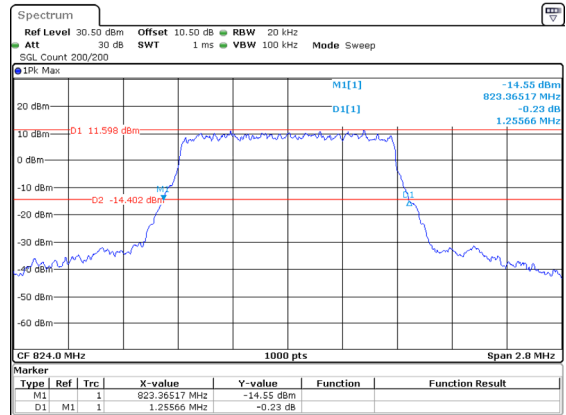
1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:12:05

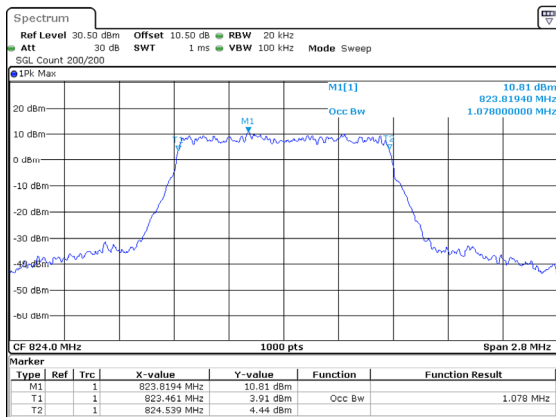
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:12:10

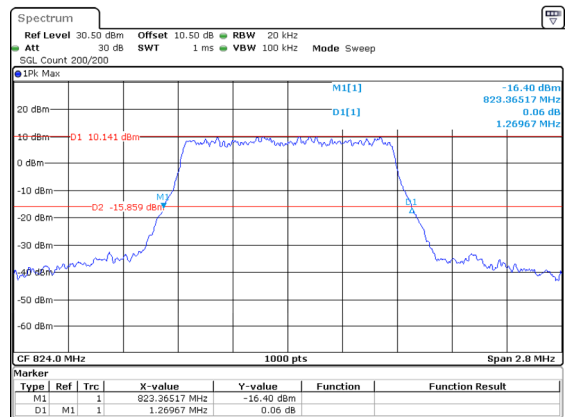
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:12:38

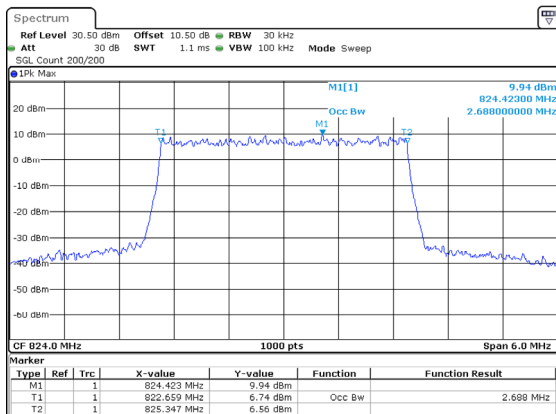
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:12:43

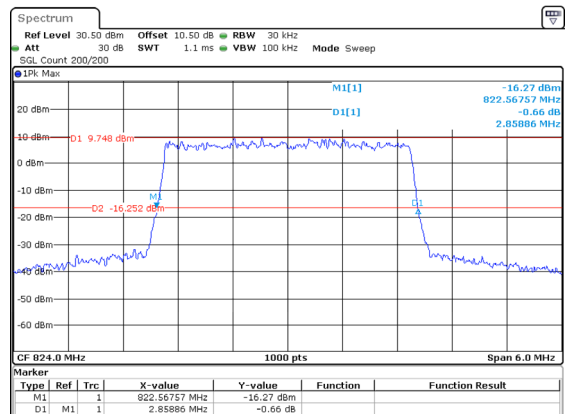
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:13:19

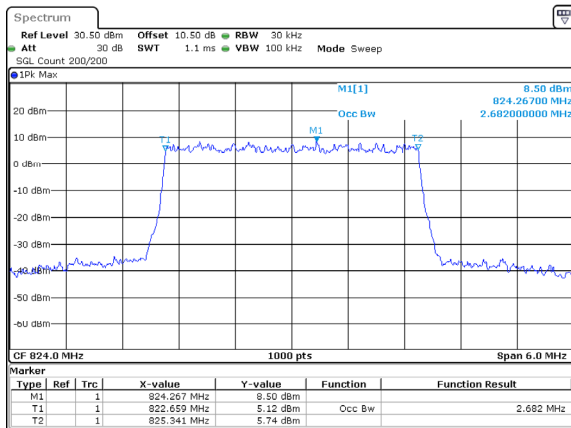
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:13:25

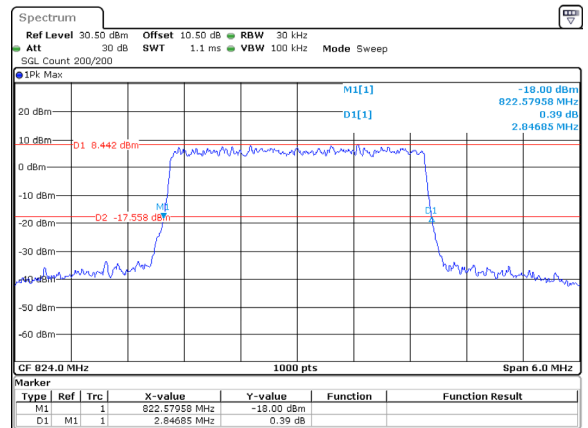
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:13:53

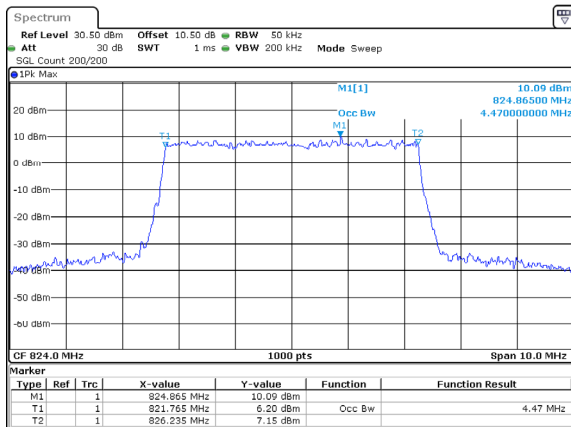
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:13:59

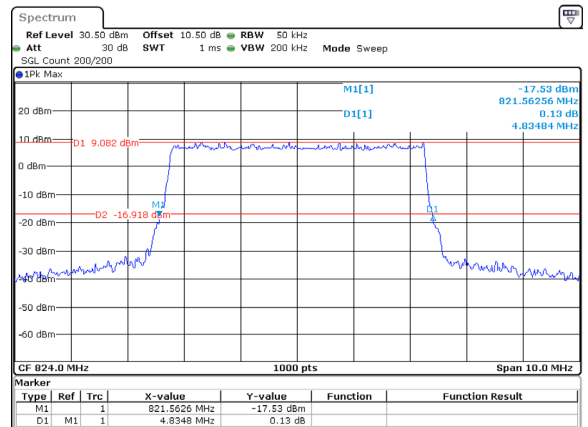
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:14:36

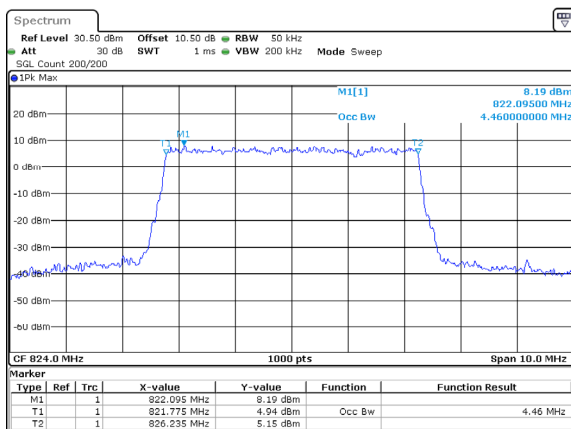
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:14:42

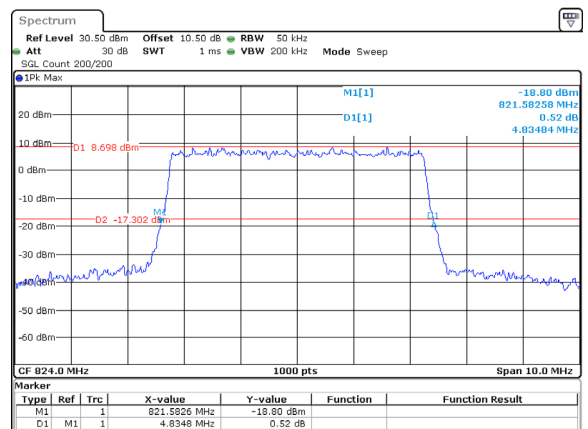
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:15:12

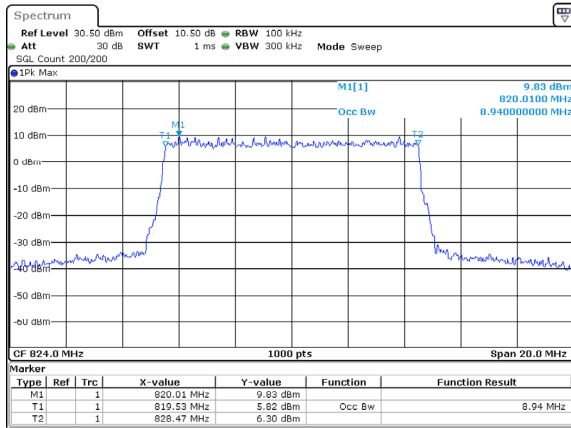
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:15:18

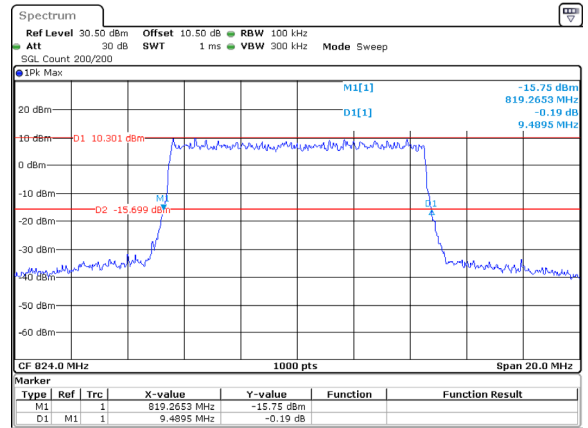
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:16:48

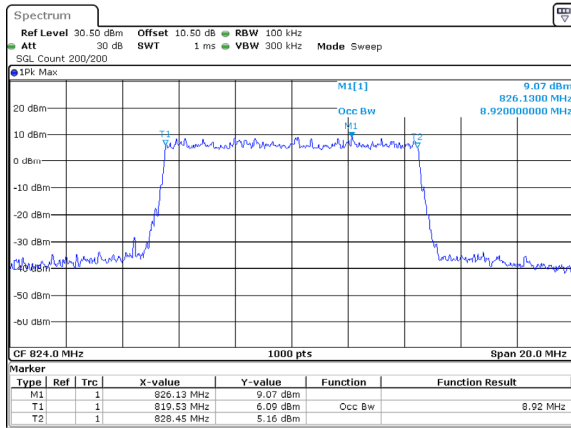
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:16:54

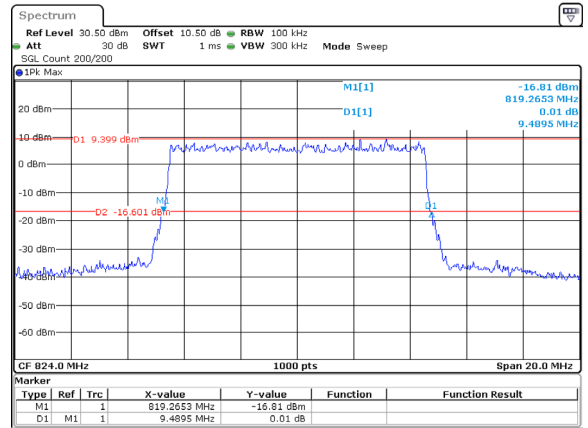
10MHz_Middle_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:17:25

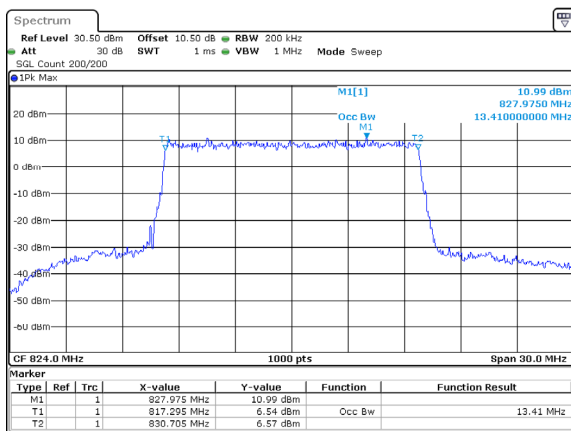
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:17:31

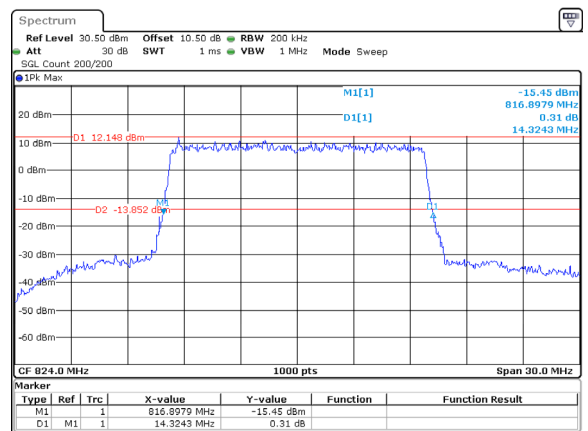
15MHz_Middle_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:18:12

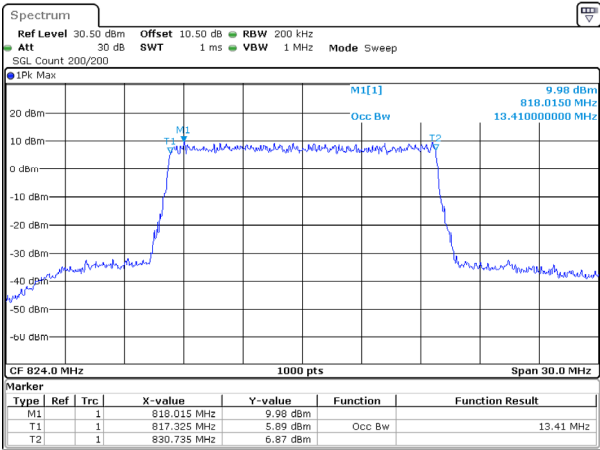
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:18:19

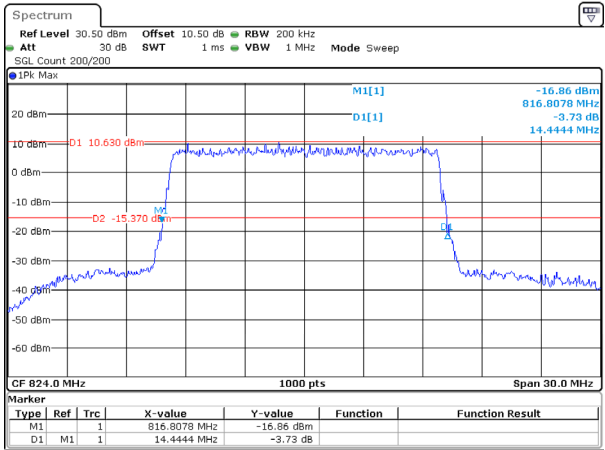
15MHz_Middle_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:18:51

26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:18:58

FCC Part 22H

LTE Band 5, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.086	1.264
1.4MHz_Middle_16QAM_6@0	1.078	1.273
3MHz_Middle_QPSK_15@0	2.670	2.877
3MHz_Middle_16QAM_15@0	2.676	2.841
5MHz_Middle_QPSK_25@0	4.460	4.825
5MHz_Middle_16QAM_25@0	4.470	4.785
10MHz_Middle_QPSK_50@0	8.940	9.550
10MHz_Middle_16QAM_50@0	8.960	9.510

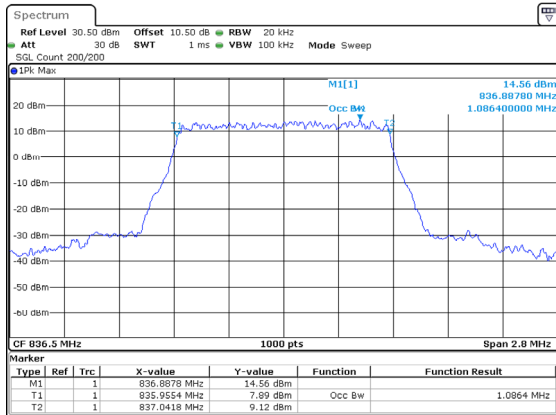
LTE B26_2, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.078	1.256
1.4MHz_Middle_16QAM_6@0	1.081	1.270
3MHz_Middle_QPSK_15@0	2.670	2.847
3MHz_Middle_16QAM_15@0	2.670	2.889
5MHz_Middle_QPSK_25@0	4.470	4.795
5MHz_Middle_16QAM_25@0	4.470	4.825
10MHz_Middle_QPSK_50@0	8.940	9.590
10MHz_Middle_16QAM_50@0	8.920	9.610
15MHz_Middle_QPSK_75@0	13.440	14.505
15MHz_Middle_16QAM_75@0	13.440	14.384

LTE Band 5, Normal

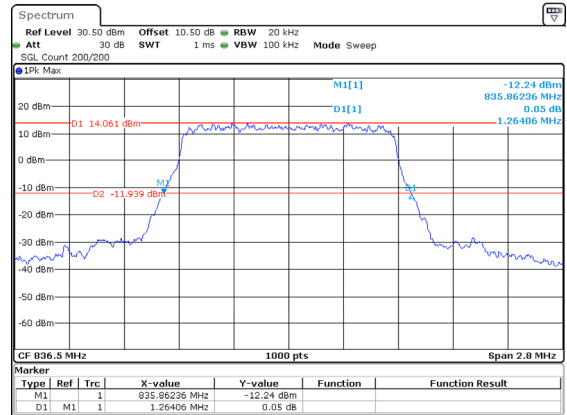
1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20 JUN 2025 23:49:58

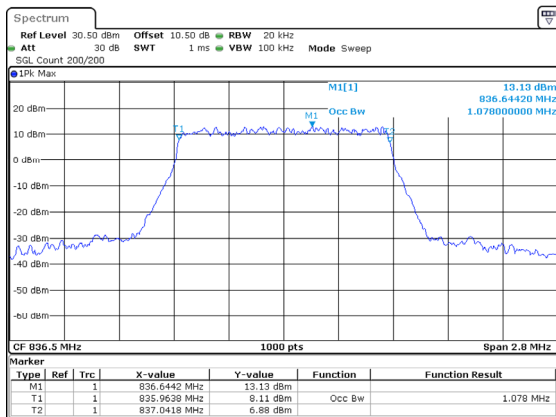
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20 JUN 2025 23:50:02

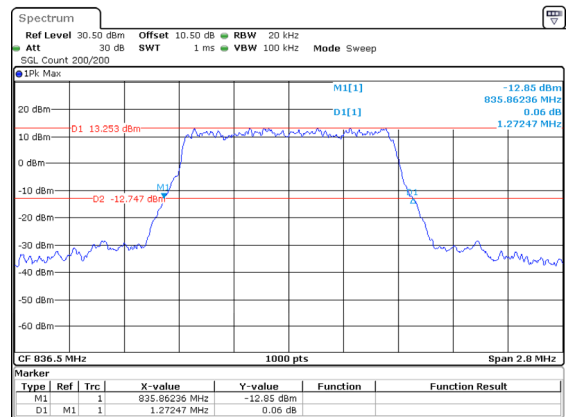
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20 JUN 2025 23:50:28

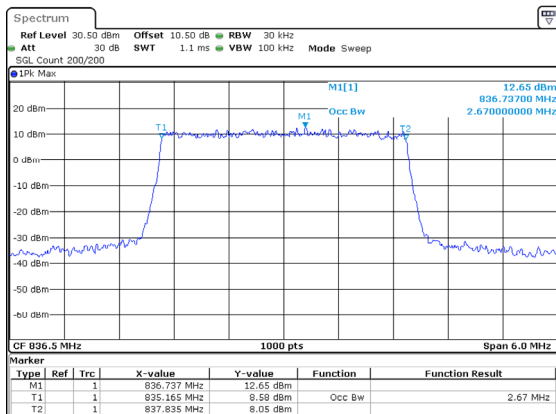
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20 JUN 2025 23:50:33

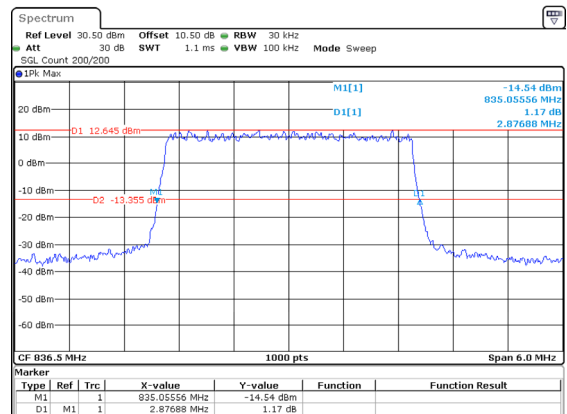
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20 JUN 2025 23:51:09

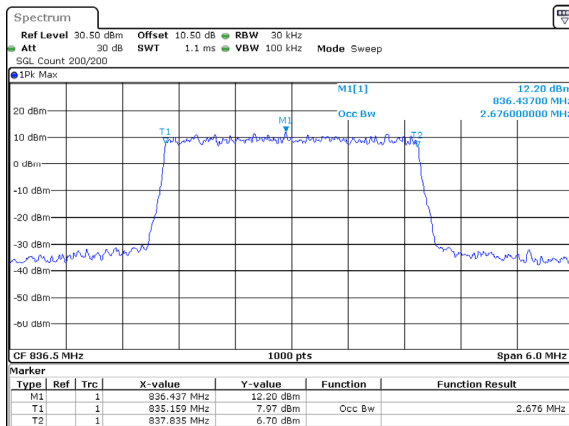
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20 JUN 2025 23:51:14

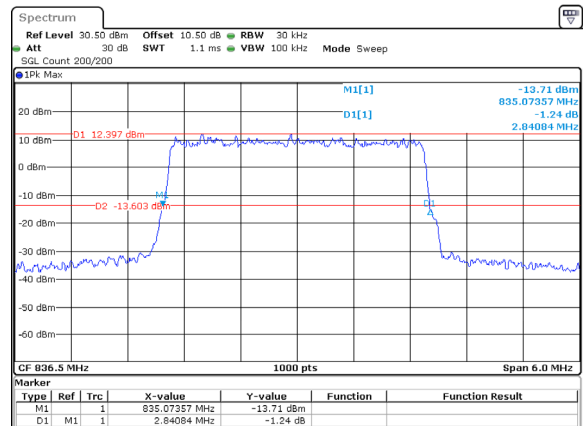
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20.JUN.2025 23:51:41

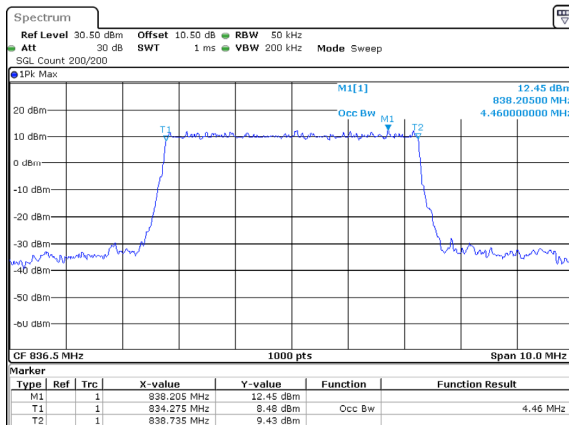
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20.JUN.2025 23:51:45

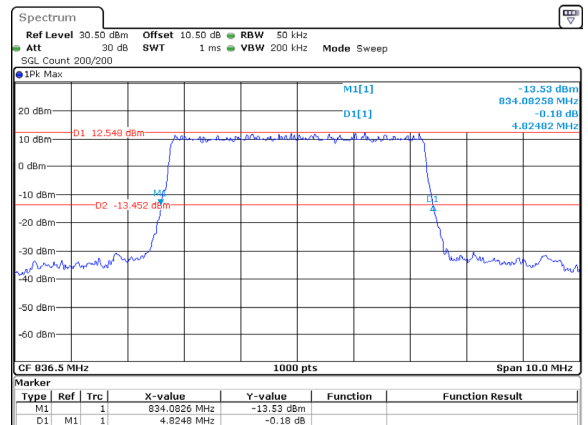
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20.JUN.2025 23:52:24

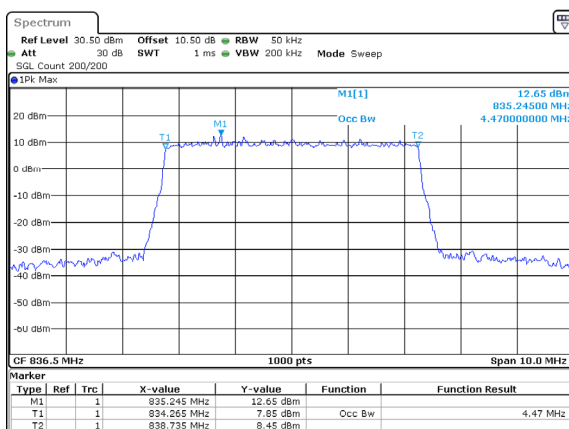
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20.JUN.2025 23:52:28

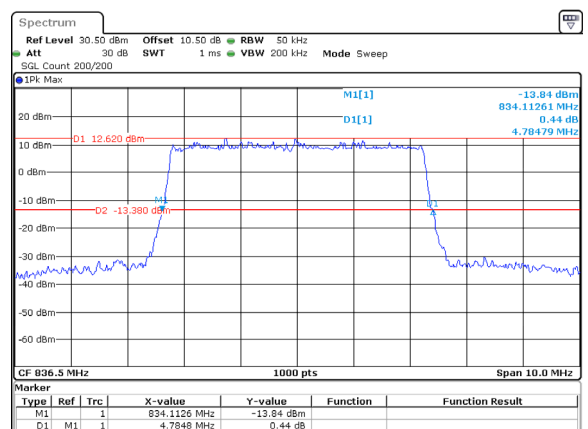
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20.JUN.2025 23:52:56

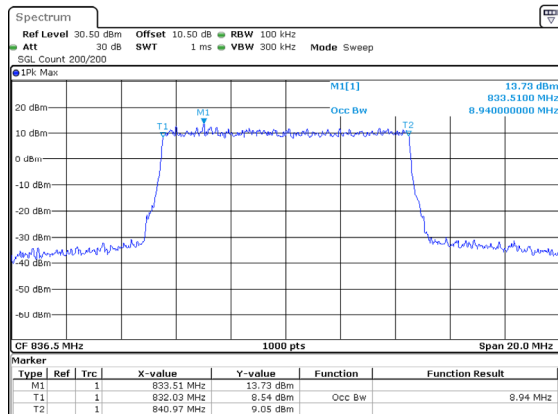
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20.JUN.2025 23:53:01

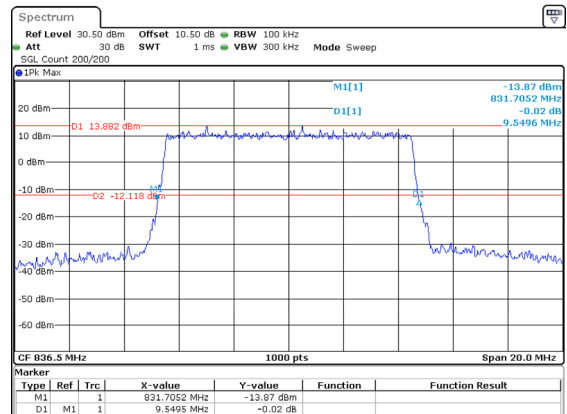
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20 JUN 2025 23:53:36

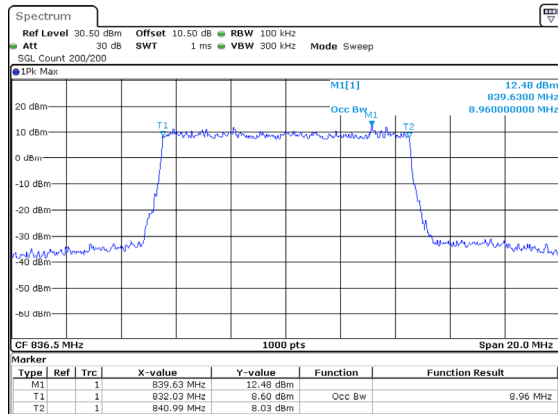
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20 JUN 2025 23:53:42

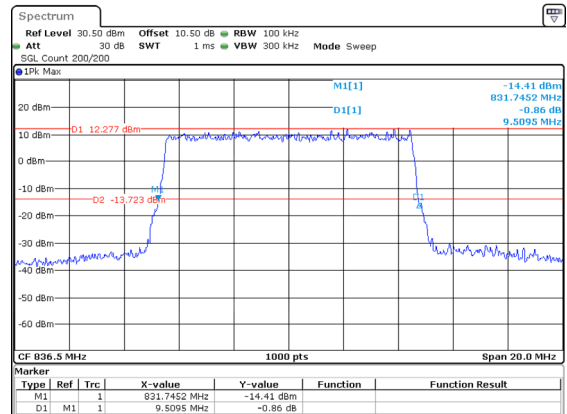
10MHz_Middle_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20 JUN 2025 23:54:10

26dB Bandwidth

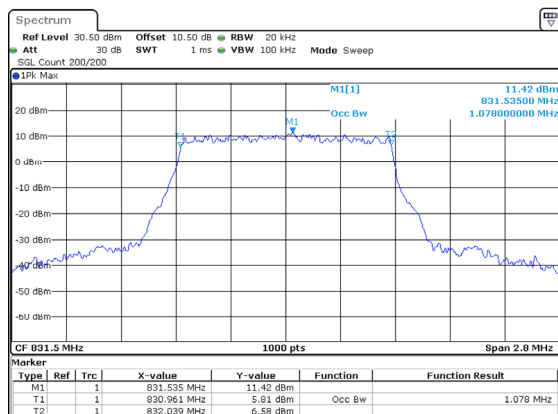


ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 20 JUN 2025 23:54:16

LTE B26_2, Normal

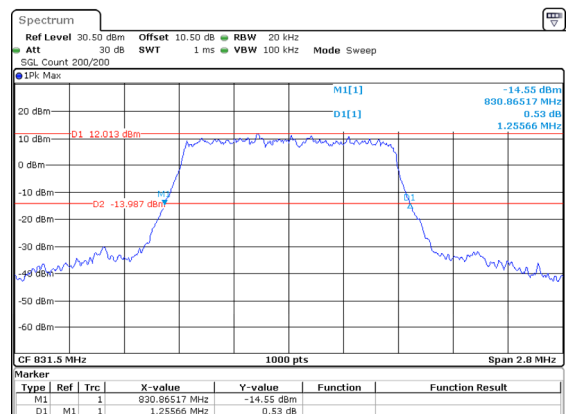
1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21 JUN 2025 00:05:12

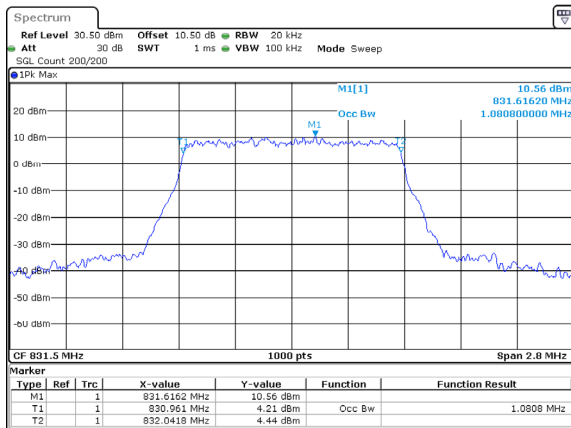
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21 JUN 2025 00:05:16

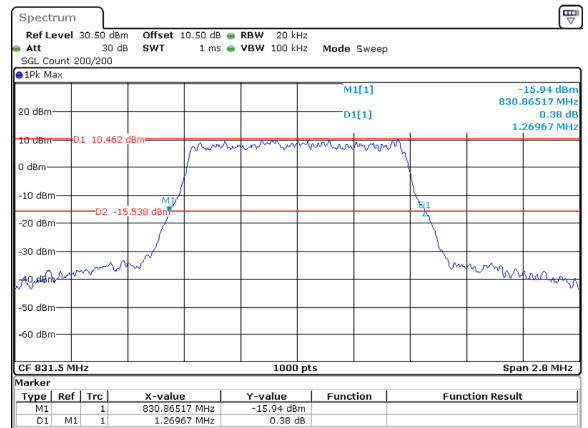
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:05:44

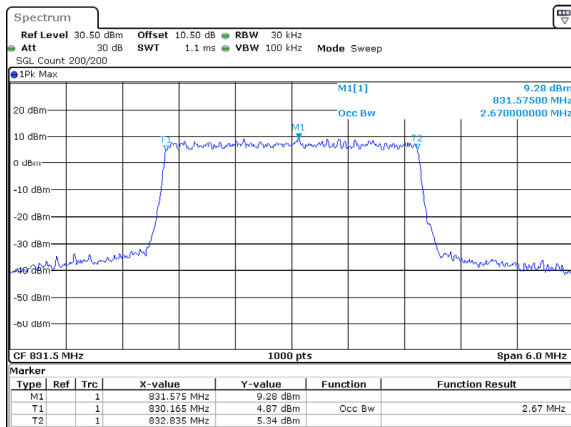
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:05:49

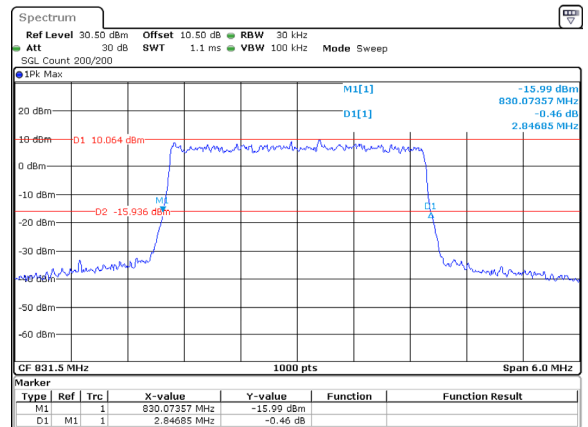
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:06:23

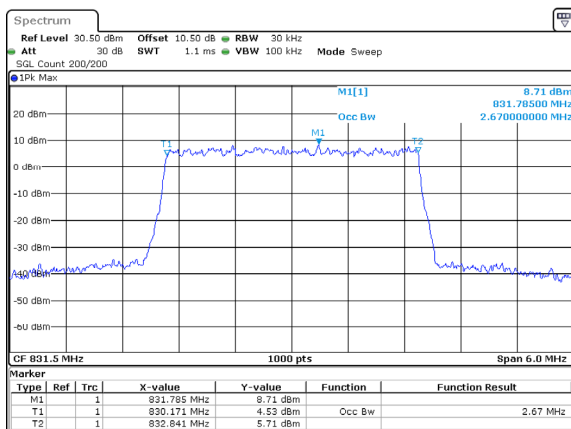
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:06:27

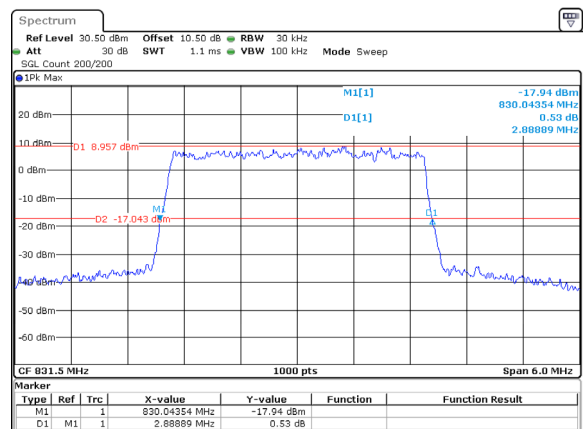
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:06:54

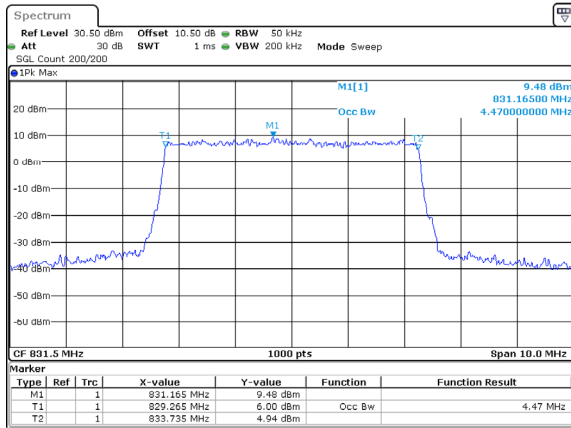
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:06:58

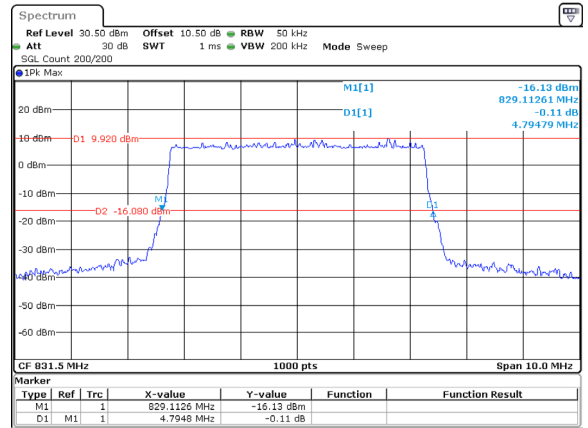
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:07:34

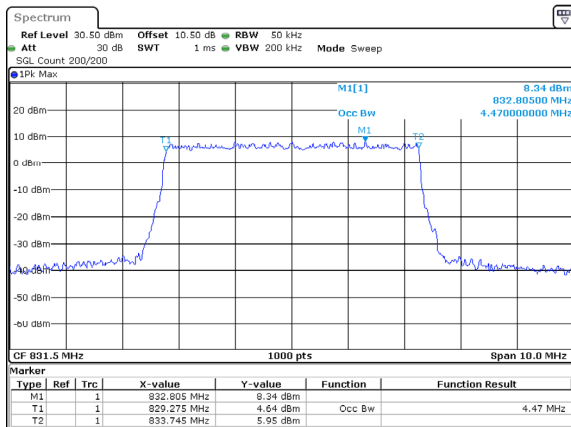
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:07:40

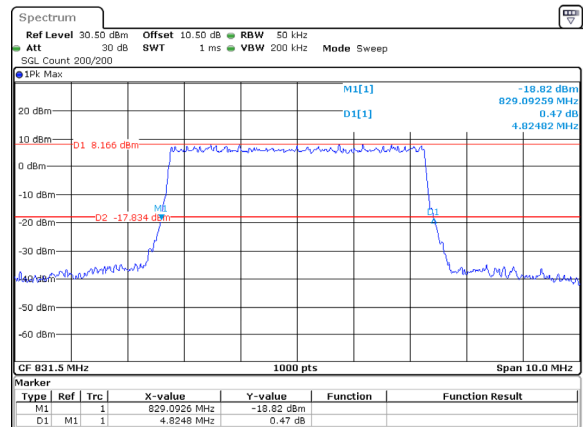
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:08:08

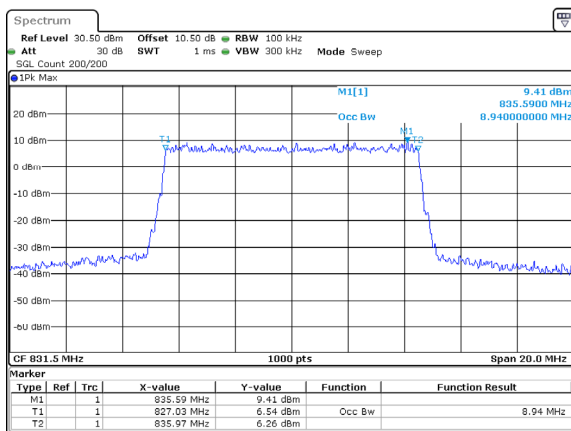
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:08:14

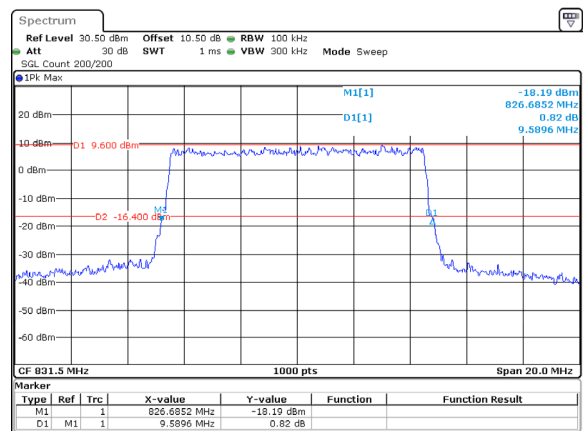
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:08:51

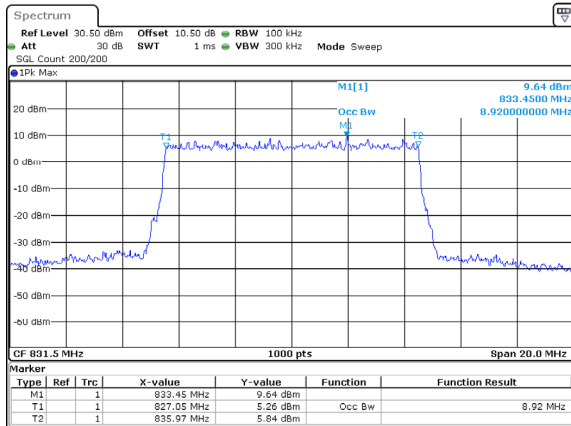
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:08:58

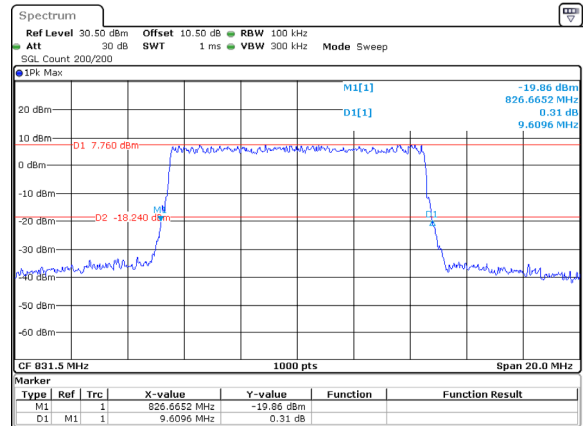
10MHz_Middle_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:09:28

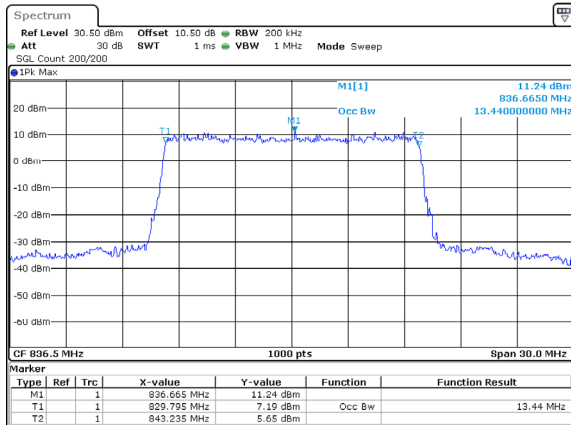
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:09:34

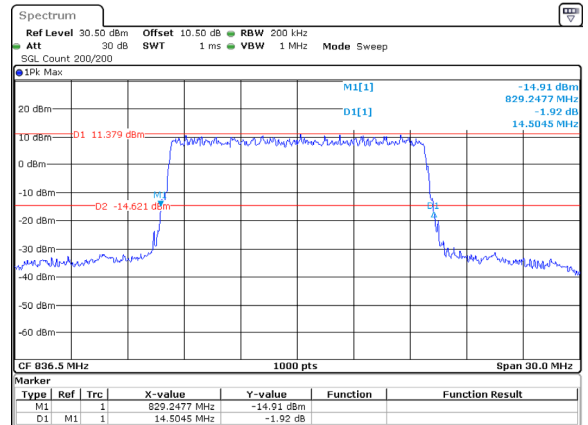
15MHz_Middle_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:10:16

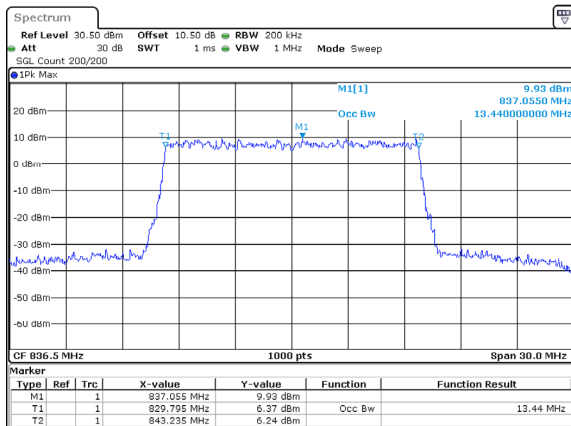
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:10:23

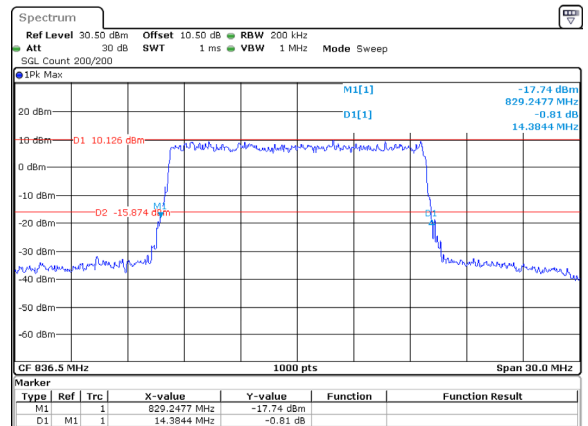
15MHz_Middle_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:10:56

26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 21.JUN.2025 00:11:03

FCC Part 24E

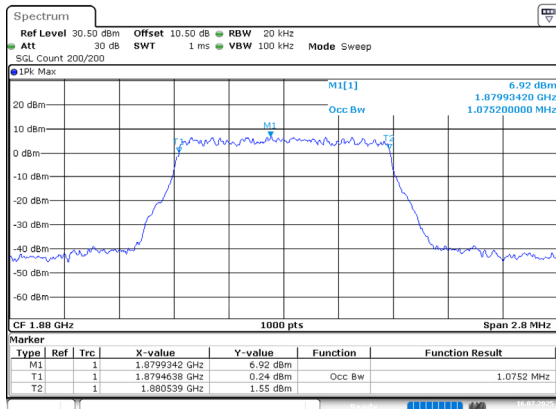
LTE Band 2, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.075	1.244
1.4MHz_Middle_16QAM_6@0	1.081	1.261
3MHz_Middle_QPSK_15@0	2.682	2.889
3MHz_Middle_16QAM_15@0	2.676	2.883
5MHz_Middle_QPSK_25@0	4.460	4.815
5MHz_Middle_16QAM_25@0	4.480	4.895
10MHz_Middle_QPSK_50@0	8.960	9.550
10MHz_Middle_16QAM_50@0	8.960	9.490
15MHz_Middle_QPSK_75@0	13.470	14.444
15MHz_Middle_16QAM_75@0	13.410	14.294
20MHz_Middle_QPSK_100@0	17.960	18.779
20MHz_Middle_16QAM_100@0	17.840	19.019

LTE Band 2, Normal

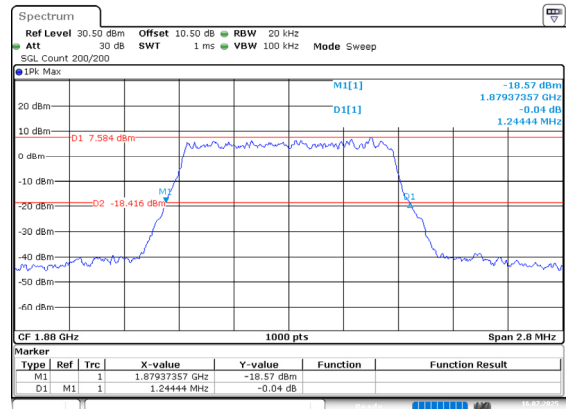
1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 16.JUL.2025 20:32:52

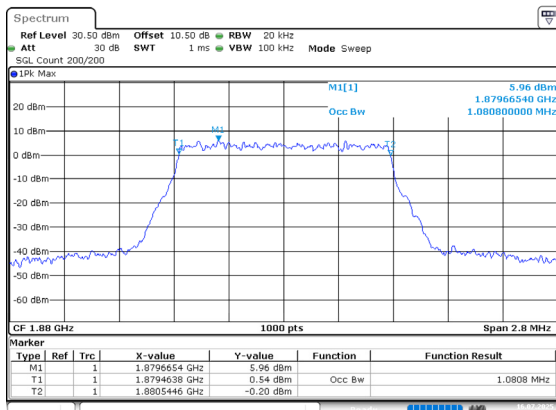
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 16.JUL.2025 20:32:56

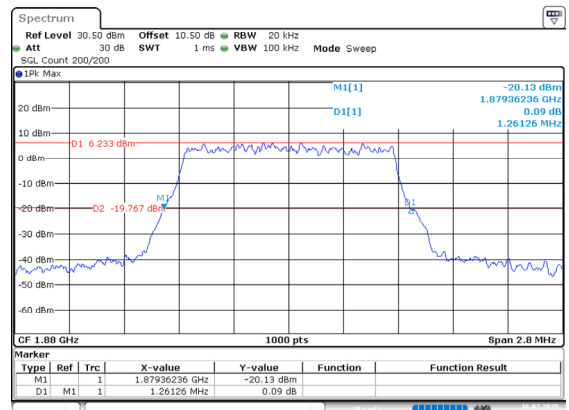
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 16.JUL.2025 20:33:08

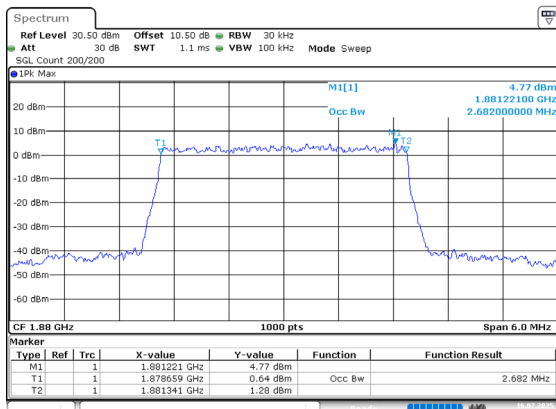
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 16.JUL.2025 20:33:12

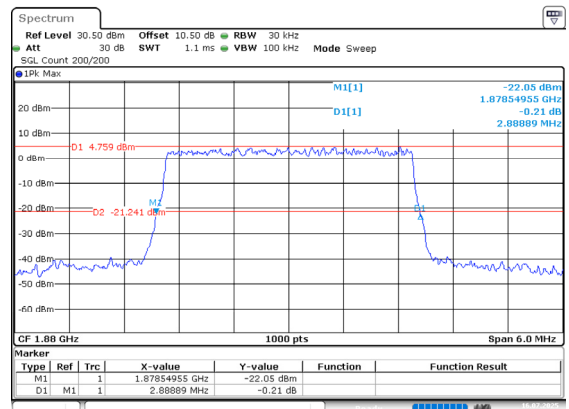
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 16.JUL.2025 20:33:31

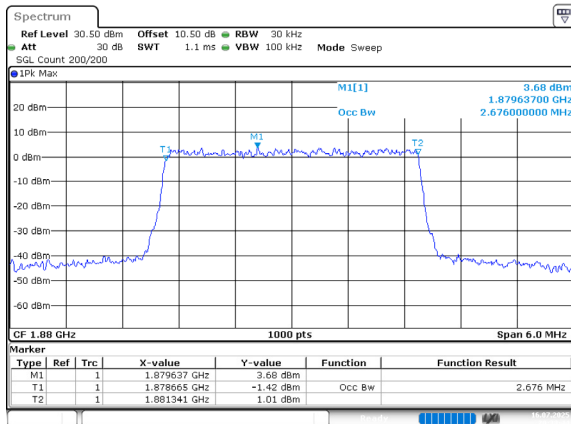
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 16.JUL.2025 20:33:35

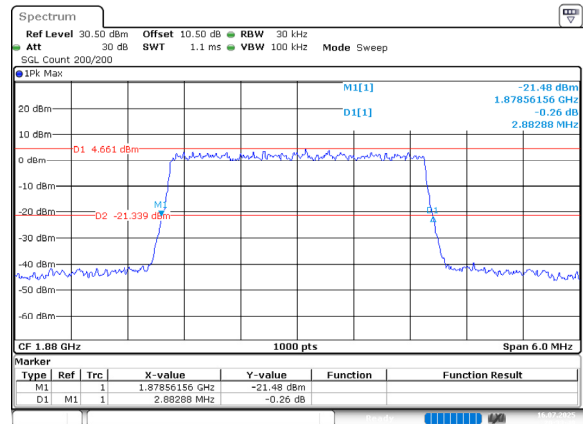
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 16.JUL.2025 20:33:45

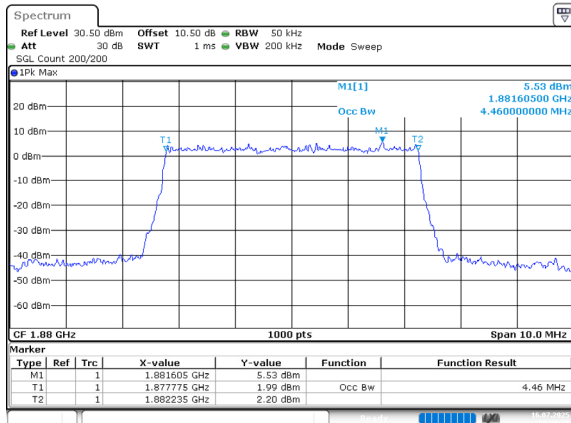
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 16.JUL.2025 20:33:49

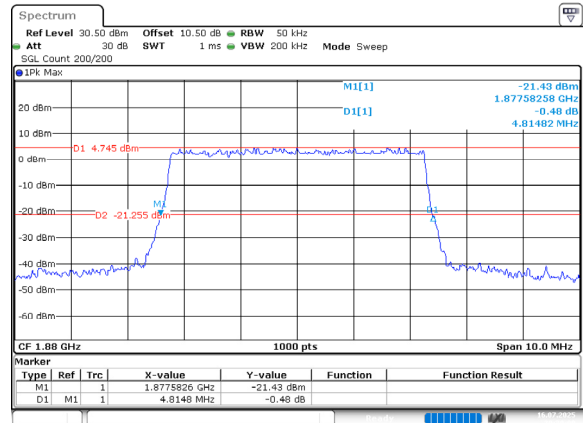
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 16.JUL.2025 20:38:56

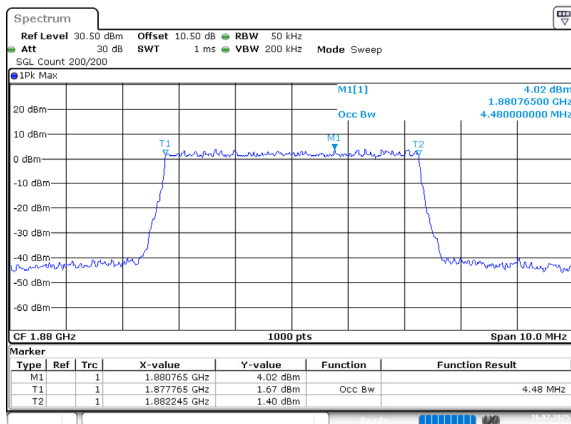
26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 16.JUL.2025 20:39:00

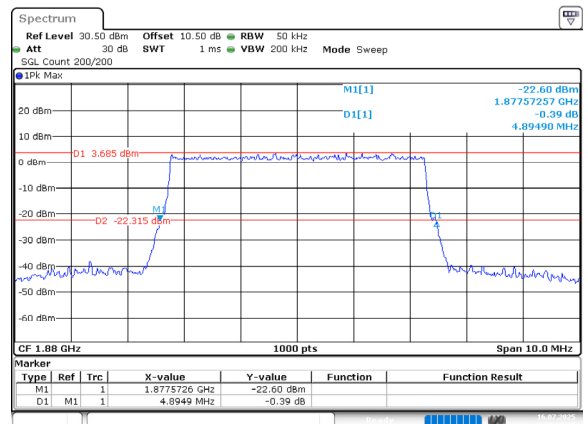
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 16.JUL.2025 20:39:11

26dB Bandwidth



ProjectNo.:2501U64129E-RF Tester:Usain Ou
Date: 16.JUL.2025 20:39:15