

Appendix C-4G Occupied Bandwidth

Test Information:

Sample No.:	2VO2-2	Test Date:	2024/12/26~2025/02/08
Test Site:	RF	Test Mode:	Transmitting
Tester:	Usain Ou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	23.6-24.7	Relative Humidity: (%)	42-47	ATM Pressure: (kPa)	101
-----------------------	-----------	---------------------------	-------	------------------------	-----

Occupied Bandwidth
FCC For 90S

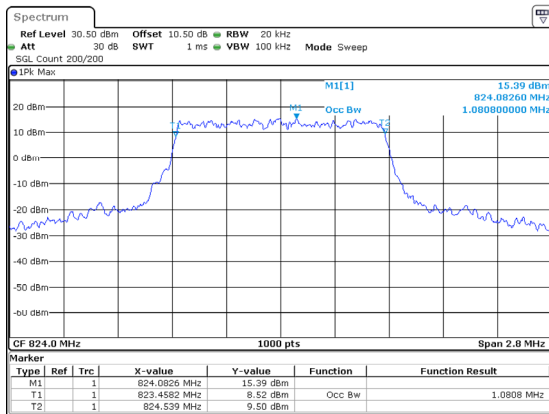
B26_3, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.081	1.287
1.4MHz_Middle_16QAM_6@0	1.089	1.284
3MHz_Middle_QPSK_15@0	2.688	2.943
3MHz_Middle_16QAM_15@0	2.682	2.949
5MHz_Middle_QPSK_25@0	4.470	4.925
5MHz_Middle_16QAM_25@0	4.480	4.945
10MHz_Middle_QPSK_50@0	8.900	9.630
10MHz_Middle_16QAM_50@0	8.920	9.630
15MHz_Middle_QPSK_75@0	13.350	14.414
15MHz_Middle_16QAM_75@0	13.380	14.444

B26_3, Normal

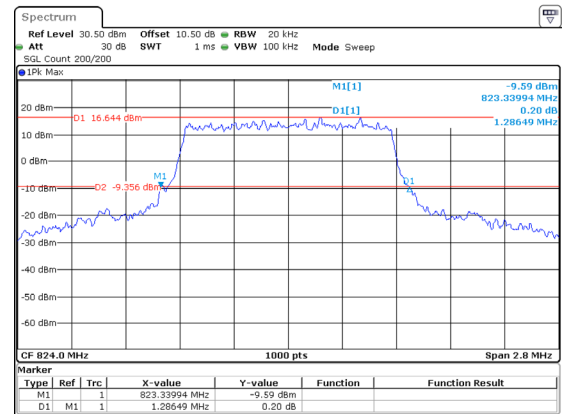
1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:42:47

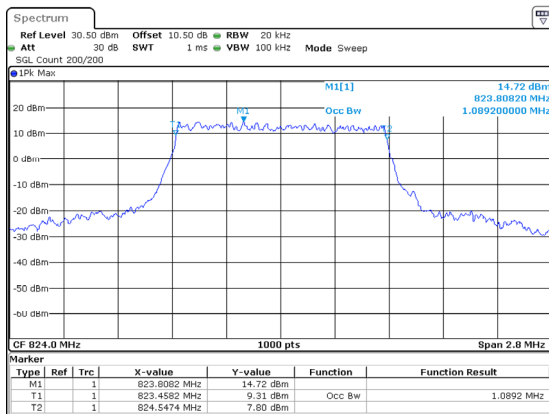
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:42:54

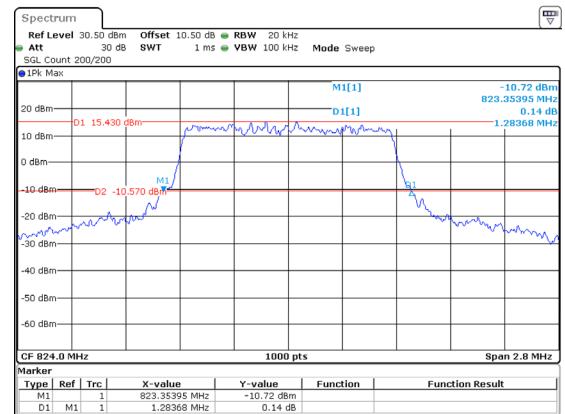
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:43:11

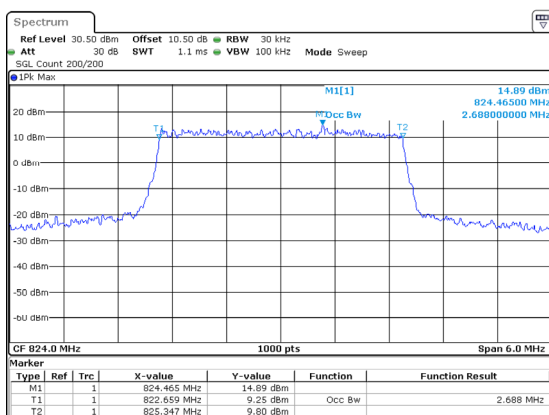
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:43:17

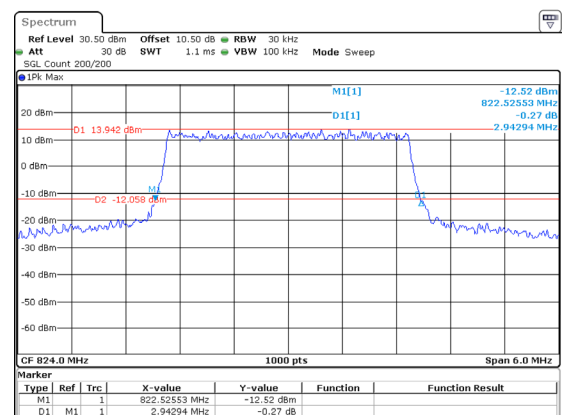
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:43:36

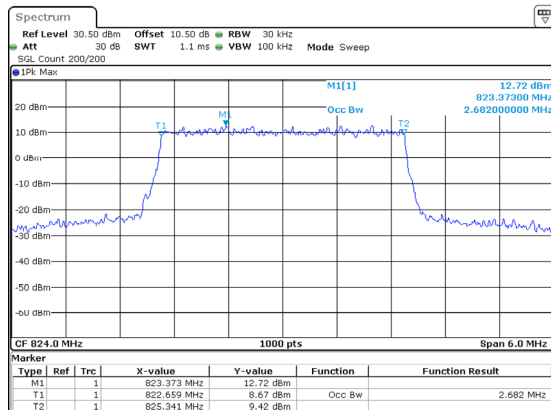
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:43:43

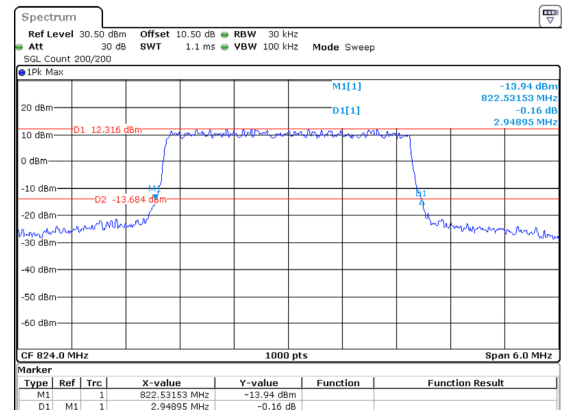
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:43:59

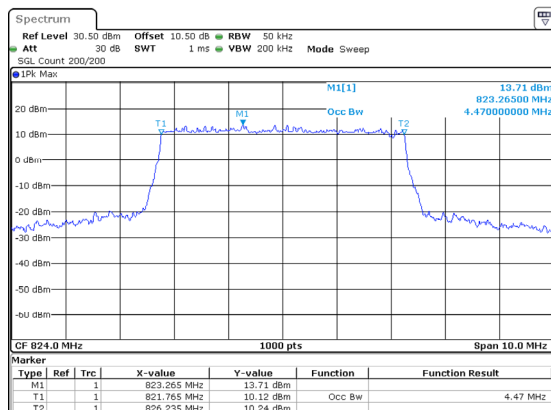
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:44:06

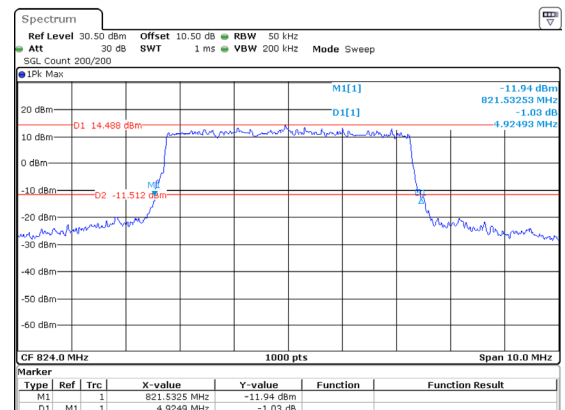
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:44:24

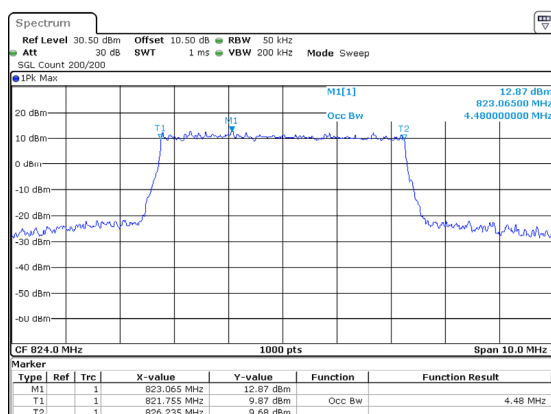
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:44:32

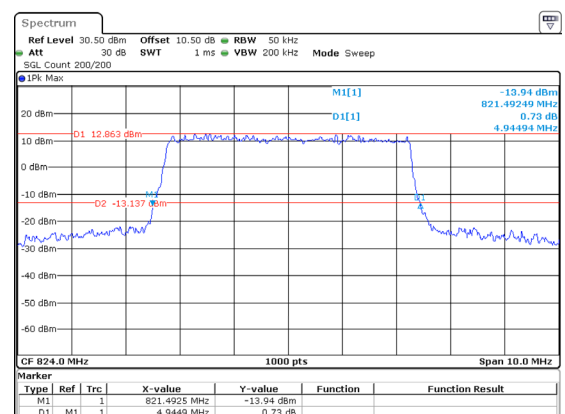
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:44:48

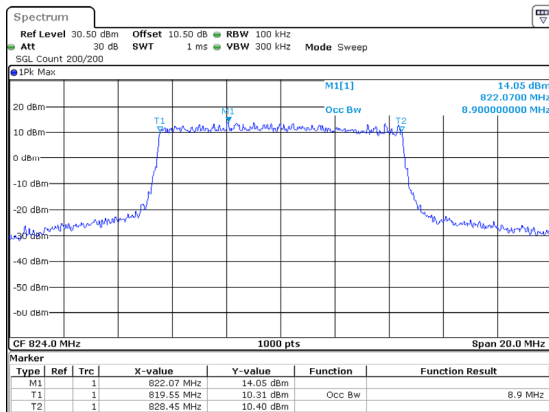
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:44:55

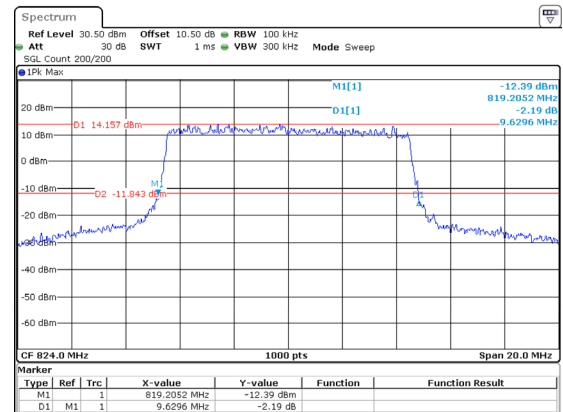
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:45:16

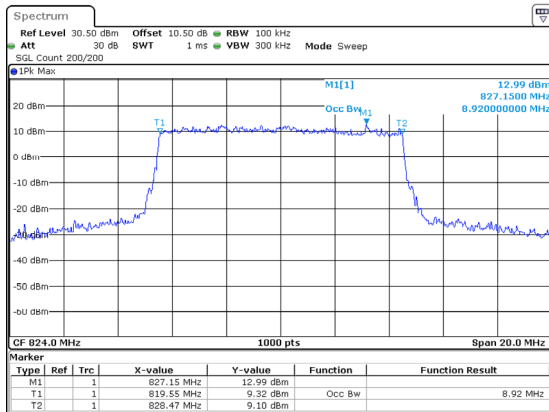
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:45:24

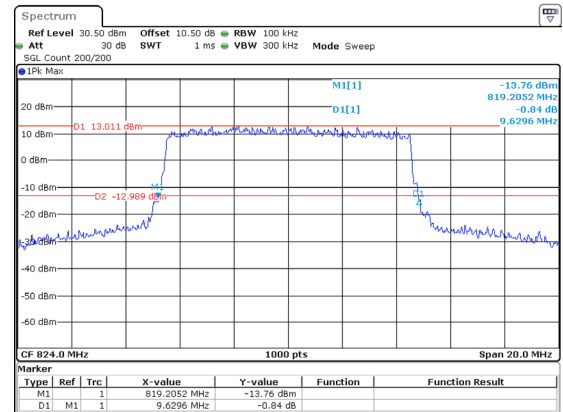
10MHz_Middle_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:45:43

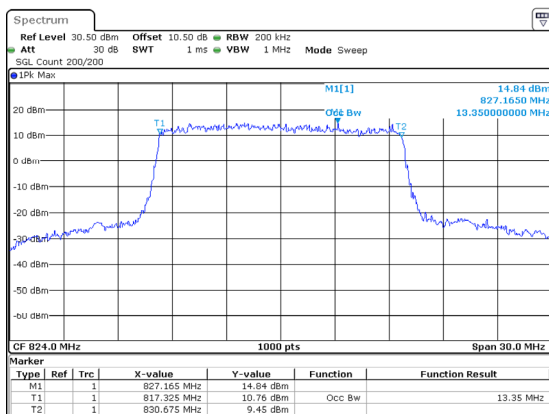
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:45:51

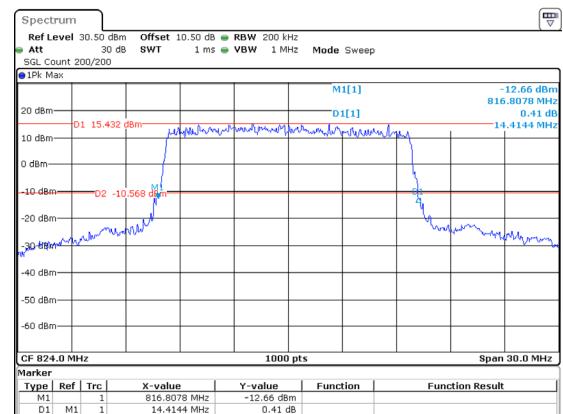
15MHz_Middle_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:46:15

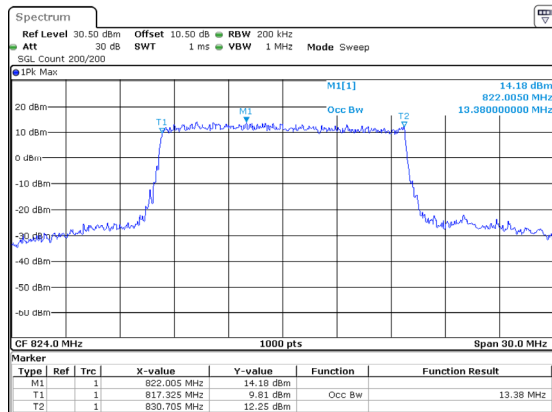
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:46:23

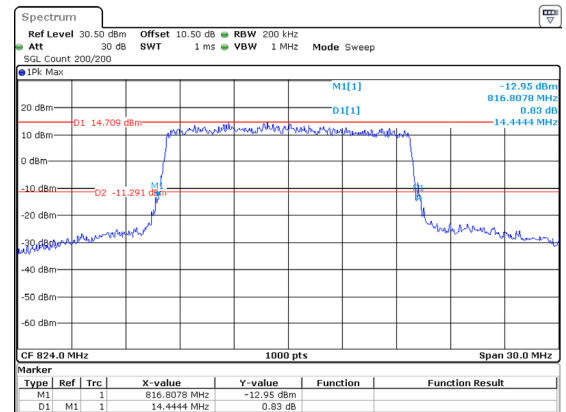
15MHz_Middle_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:46:45

26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:46:53

FCC Part 22H

B5, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.084	1.256
1.4MHz_Middle_16QAM_6@0	1.086	1.270
3MHz_Middle_QPSK_15@0	2.682	2.937
3MHz_Middle_16QAM_15@0	2.688	2.955
5MHz_Middle_QPSK_25@0	4.480	4.905
5MHz_Middle_16QAM_25@0	4.480	4.865
10MHz_Middle_QPSK_50@0	8.920	9.670
10MHz_Middle_16QAM_50@0	8.920	9.590

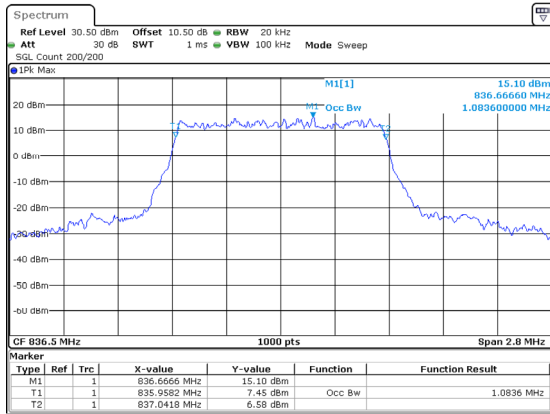
B26_2, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.078	1.275
1.4MHz_Middle_16QAM_6@0	1.081	1.292
3MHz_Middle_QPSK_15@0	2.682	2.907
3MHz_Middle_16QAM_15@0	2.682	2.949
5MHz_Middle_QPSK_25@0	4.460	4.905
5MHz_Middle_16QAM_25@0	4.460	4.905
10MHz_Middle_QPSK_50@0	8.920	9.690
10MHz_Middle_16QAM_50@0	8.920	9.670
15MHz_Middle_QPSK_75@0	13.410	14.324
15MHz_Middle_16QAM_75@0	13.380	14.505

B5, Normal

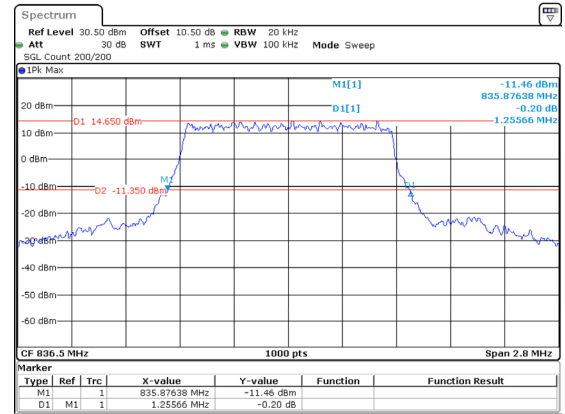
1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 07:45:27

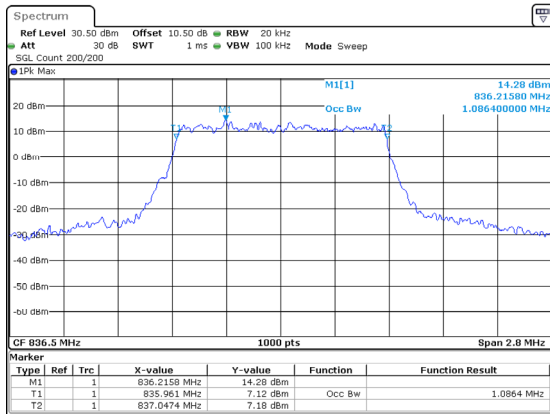
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 07:45:35

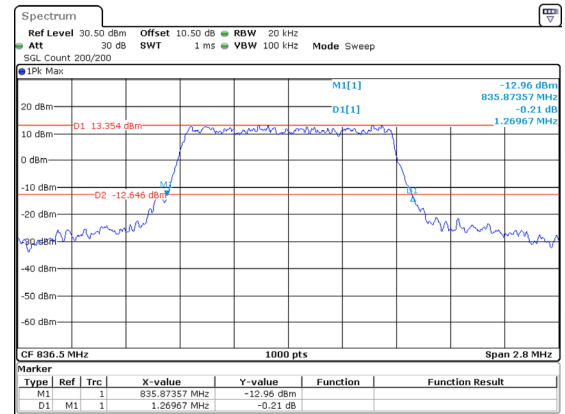
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 07:45:58

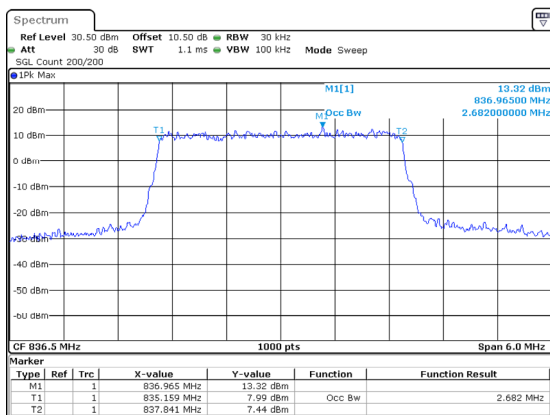
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 07:46:05

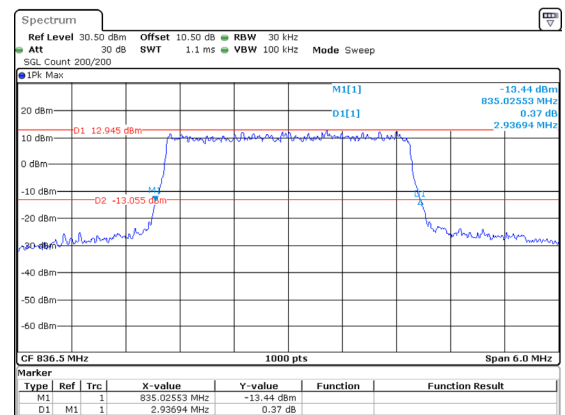
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 07:50:21

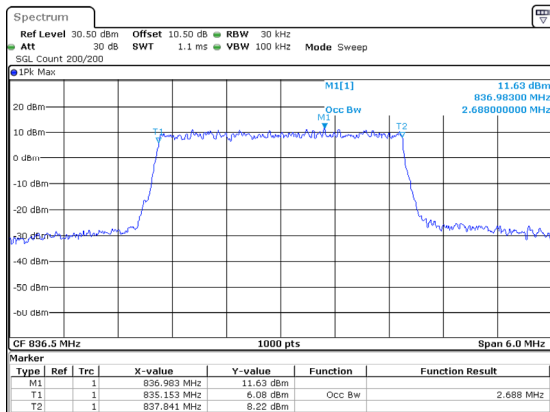
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 07:50:29

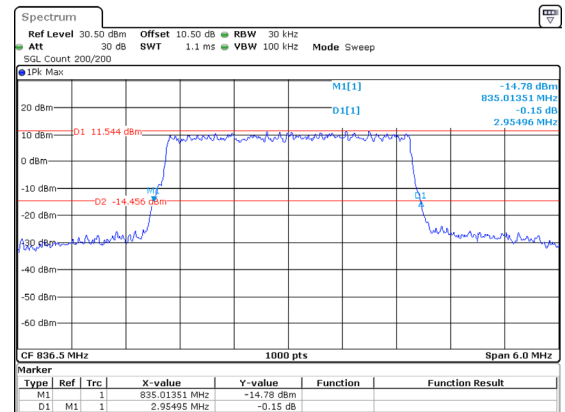
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 07:50:50

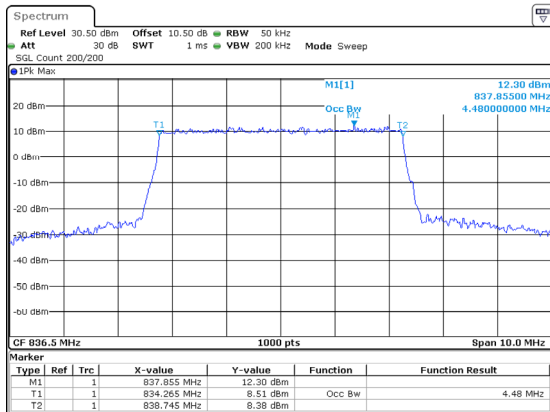
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 07:50:58

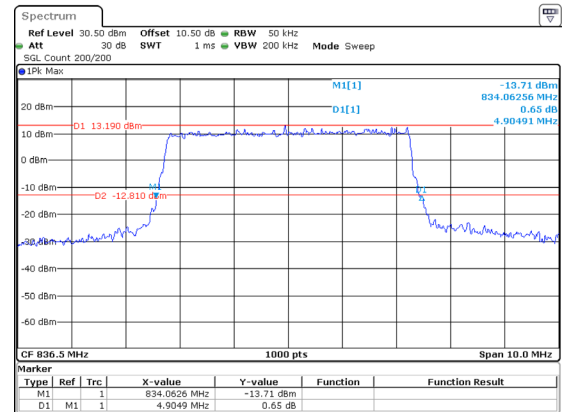
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 08:03:10

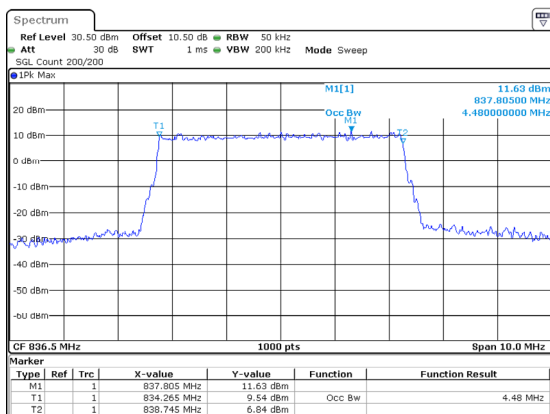
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 08:03:18

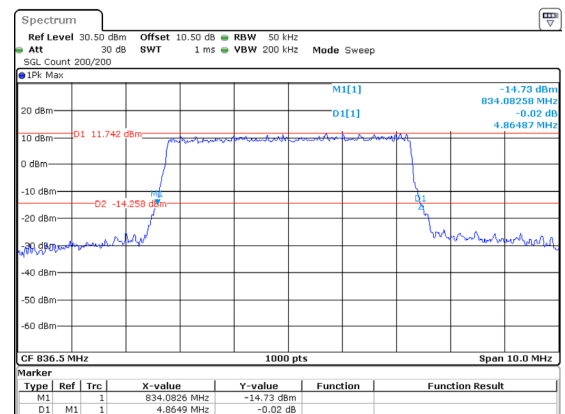
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 08:03:39

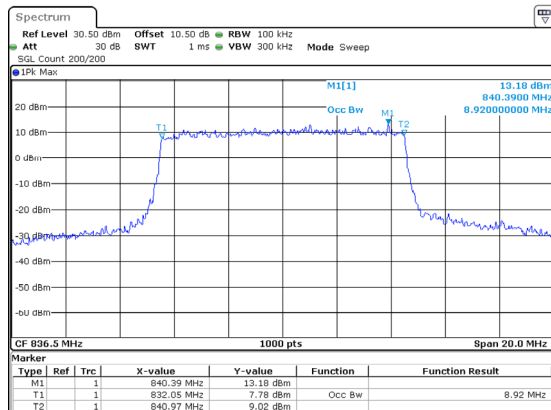
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 08:03:47

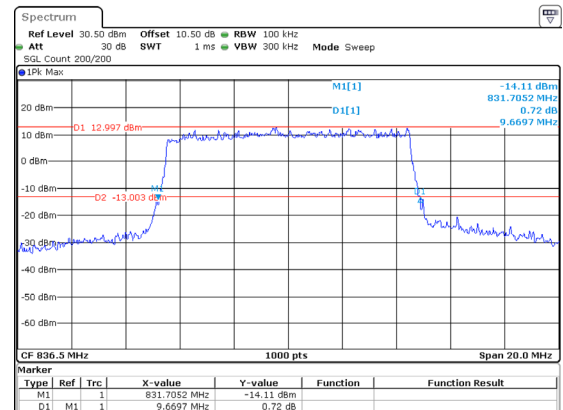
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 08:17:19

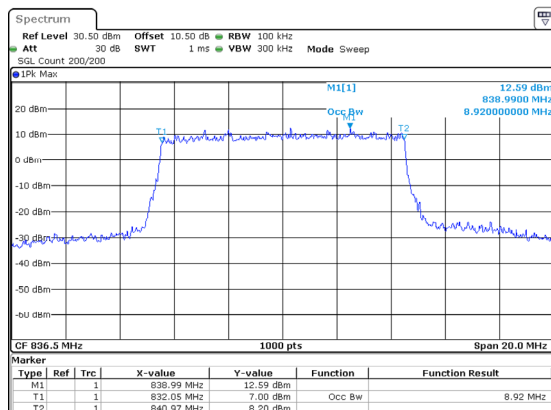
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 08:17:28

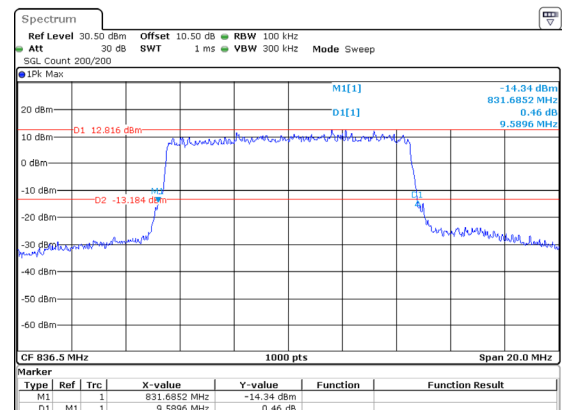
10MHz_Middle_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 08:17:50

26dB Bandwidth

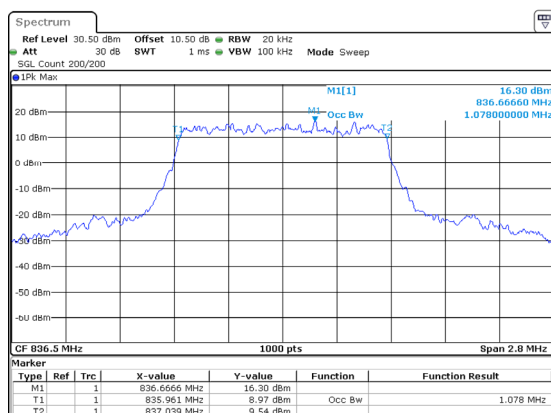


ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 08:17:59

B26_2, Normal

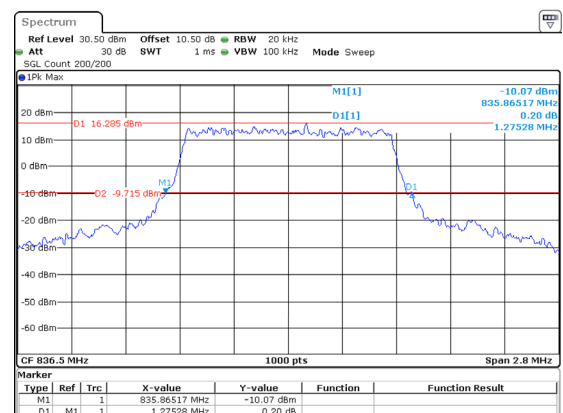
1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 21:56:39

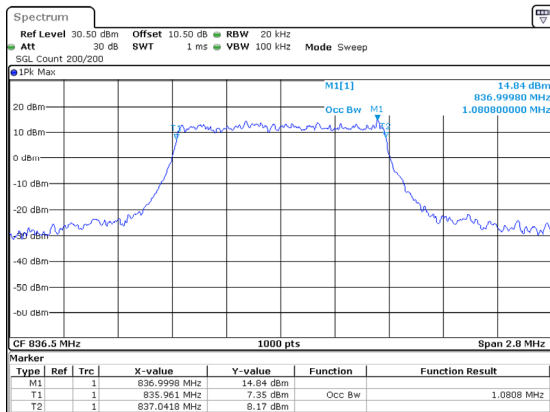
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 21:56:44

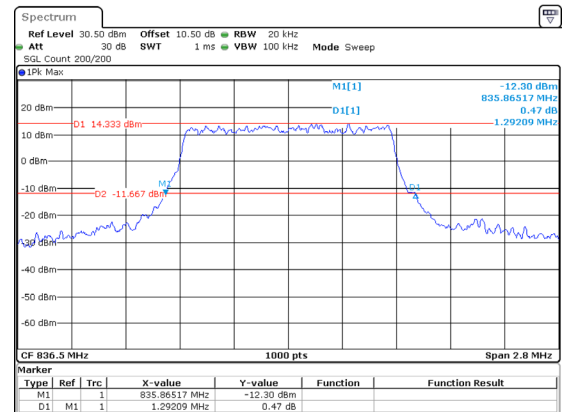
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 21:50:37

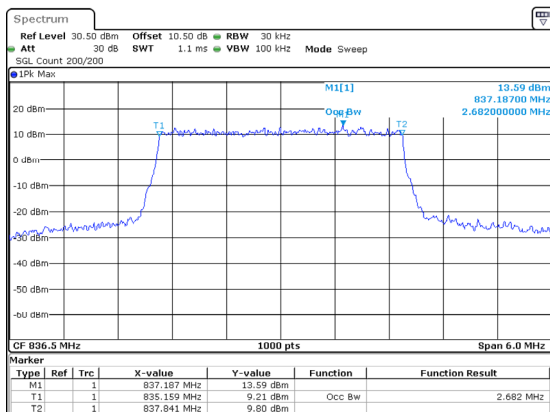
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 21:50:42

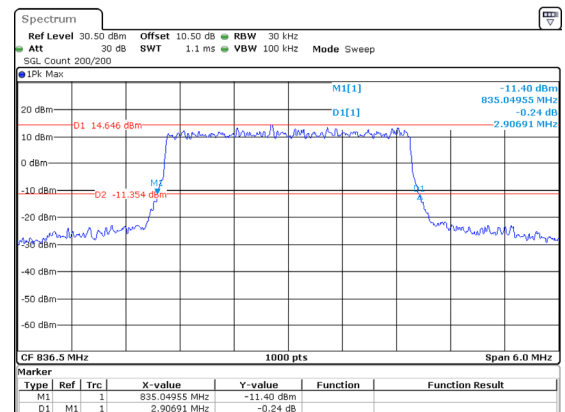
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 21:57:32

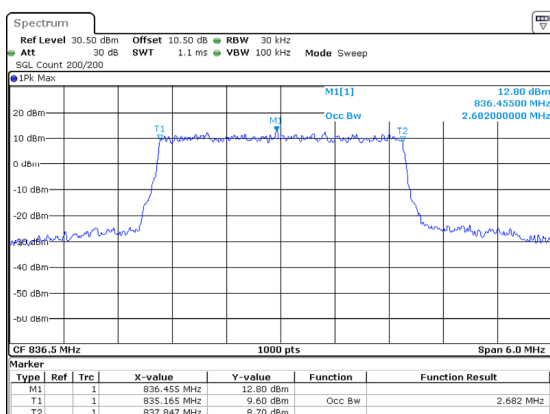
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 21:57:37

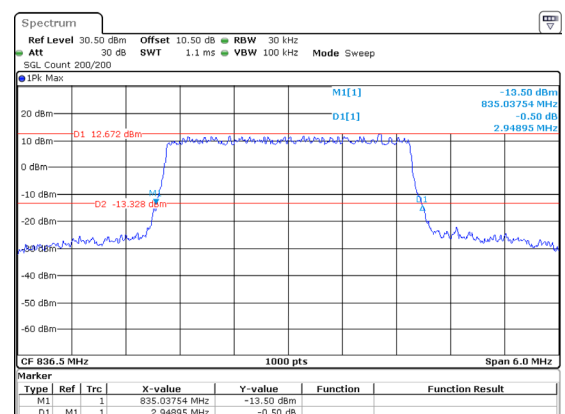
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 21:58:32

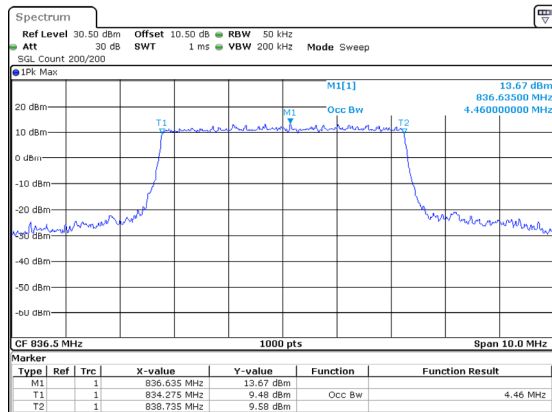
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 21:58:38

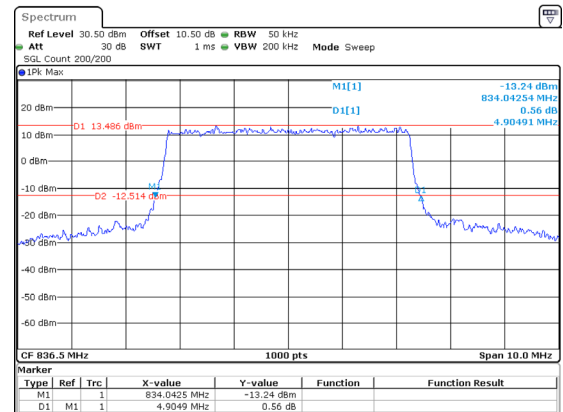
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 21:59:15

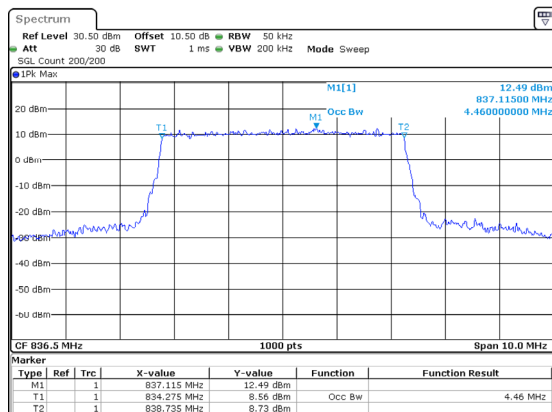
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 21:59:21

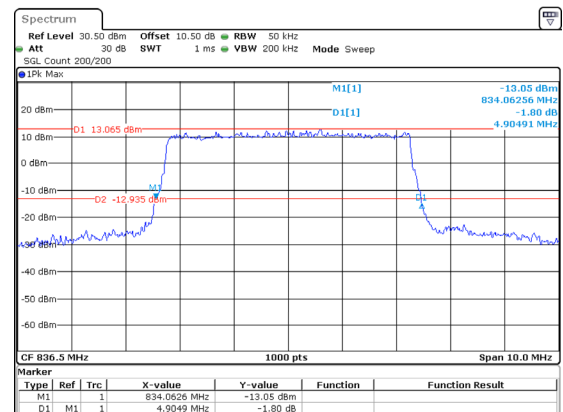
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 21:59:57

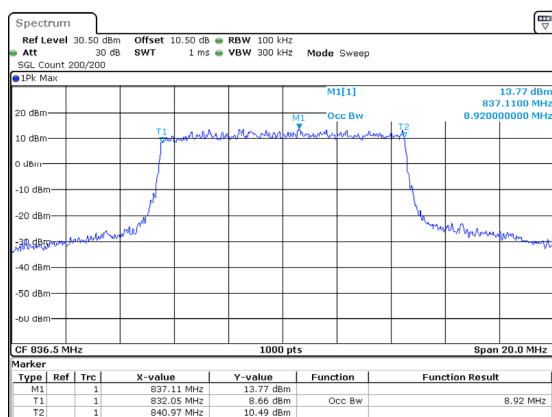
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 22:00:03

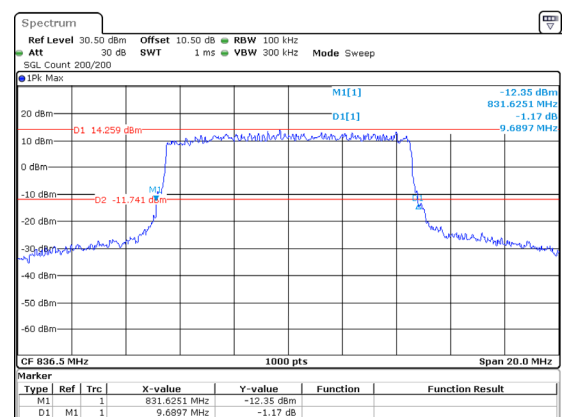
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 22:00:38

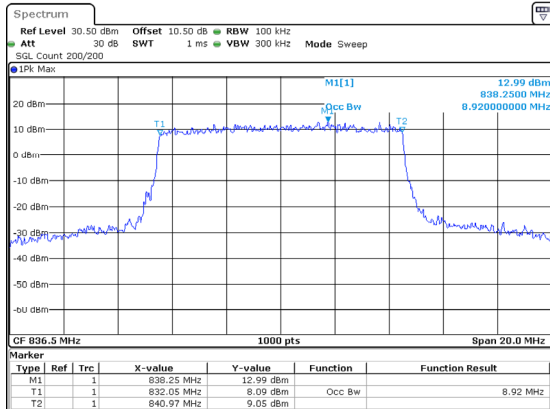
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 22:00:45

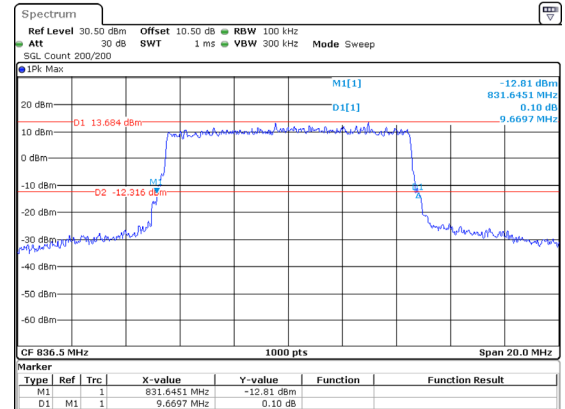
10MHz_Middle_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 22:01:21

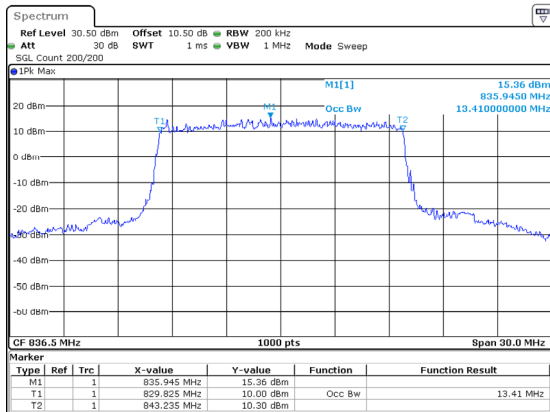
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 22:01:27

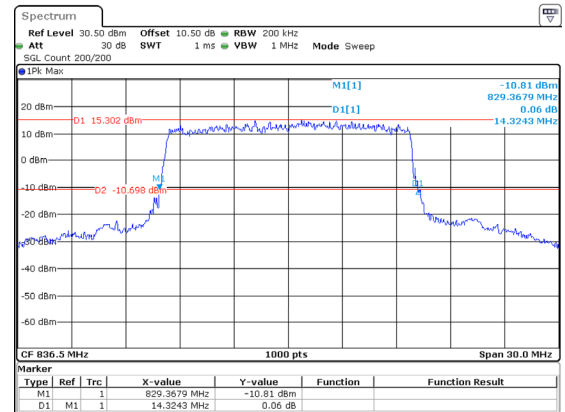
15MHz_Middle_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 22:05:25

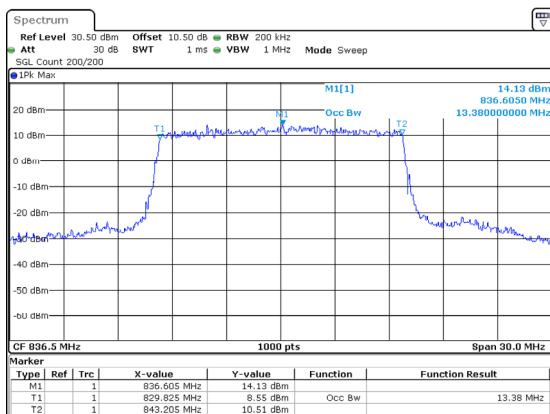
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 22:05:32

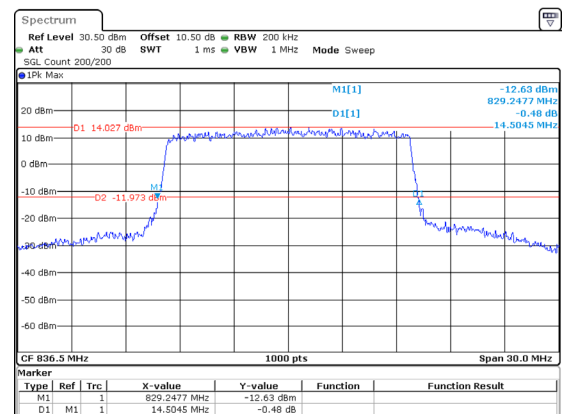
15MHz_Middle_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 22:06:20

26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 8.FEB.2025 22:06:28

FCC Part 24E

B2, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.086	1.256
1.4MHz_Middle_16QAM_6@0	1.081	1.270
3MHz_Middle_QPSK_15@0	2.676	2.943
3MHz_Middle_16QAM_15@0	2.682	2.961
5MHz_Middle_QPSK_25@0	4.480	4.925
5MHz_Middle_16QAM_25@0	4.480	4.865
10MHz_Middle_QPSK_50@0	8.940	9.730
10MHz_Middle_16QAM_50@0	8.940	9.610
15MHz_Middle_QPSK_75@0	13.380	14.565
15MHz_Middle_16QAM_75@0	13.350	14.354
20MHz_Middle_QPSK_100@0	17.840	18.899
20MHz_Middle_16QAM_100@0	17.840	19.019

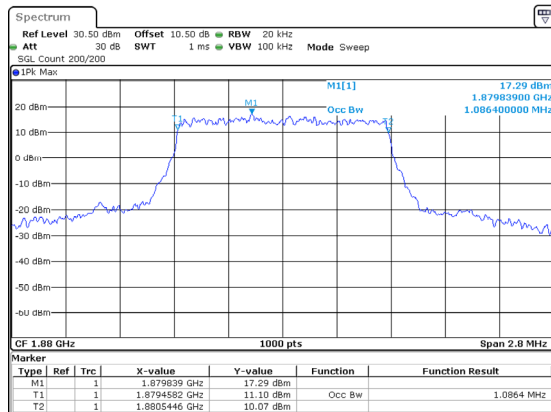
B25, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.084	1.256
1.4MHz_Middle_16QAM_6@0	1.081	1.270
3MHz_Middle_QPSK_15@0	2.688	2.937
3MHz_Middle_16QAM_15@0	2.688	2.919
5MHz_Middle_QPSK_25@0	4.490	4.945
5MHz_Middle_16QAM_25@0	4.480	4.935
10MHz_Middle_QPSK_50@0	8.940	9.610
10MHz_Middle_16QAM_50@0	8.940	9.610
15MHz_Middle_QPSK_75@0	13.410	14.625
15MHz_Middle_16QAM_75@0	13.380	14.384
20MHz_Middle_QPSK_100@0	17.840	18.979
20MHz_Middle_16QAM_100@0	17.880	19.059

B2, Normal

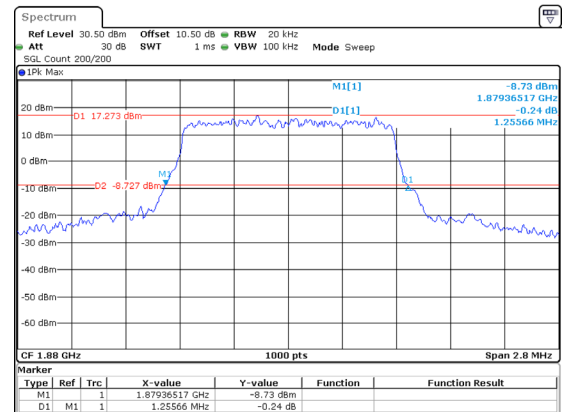
1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:35:11

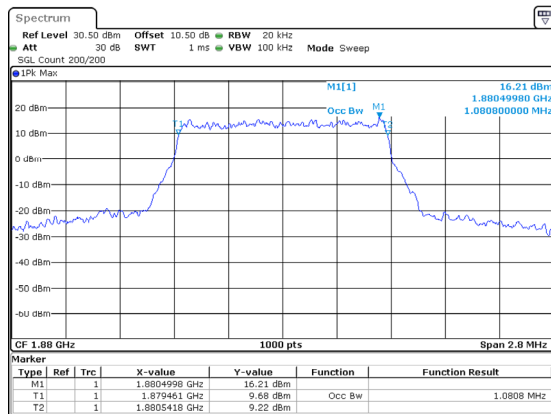
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:35:20

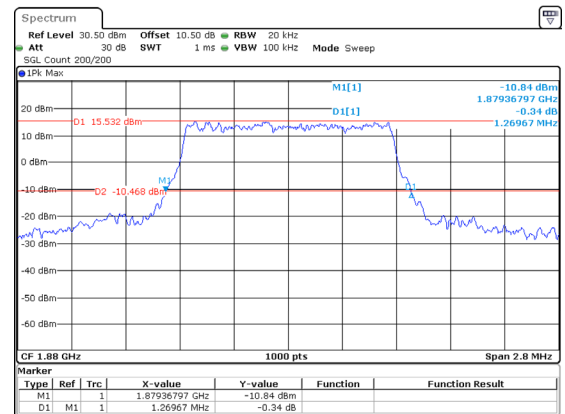
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:35:42

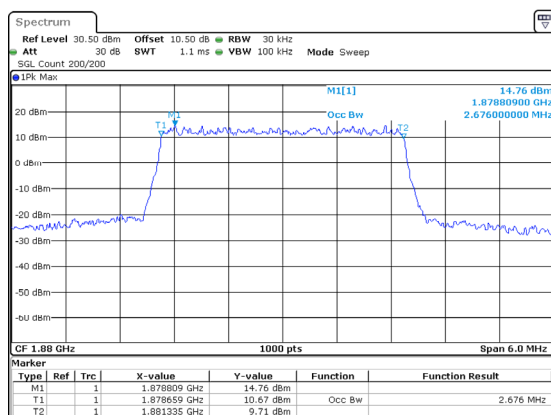
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:35:49

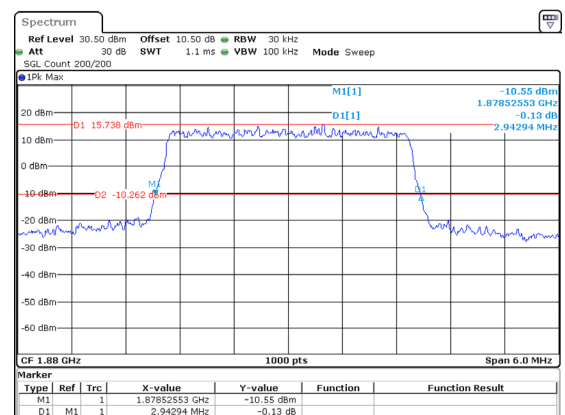
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:40:59

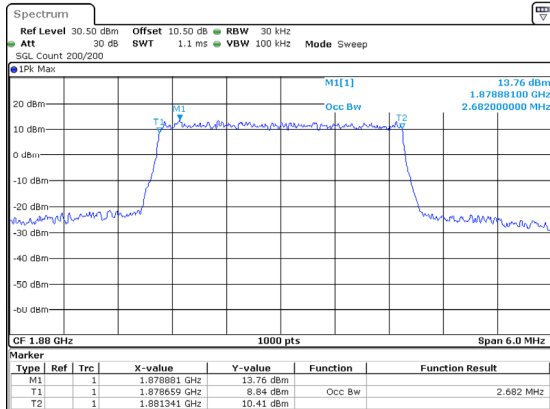
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:41:06

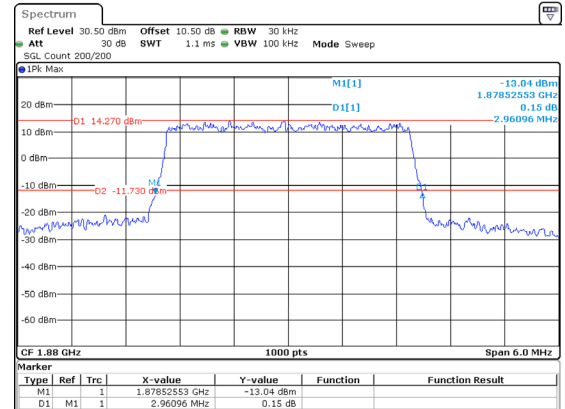
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:41:24

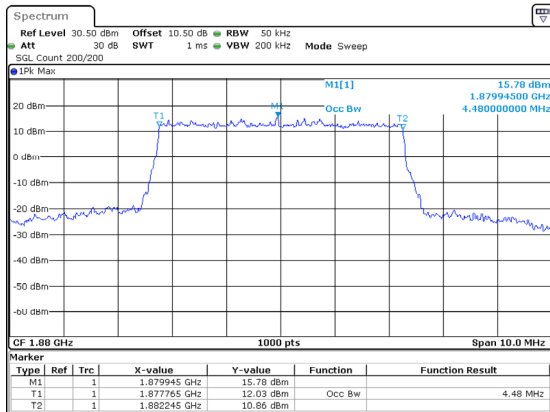
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:41:31

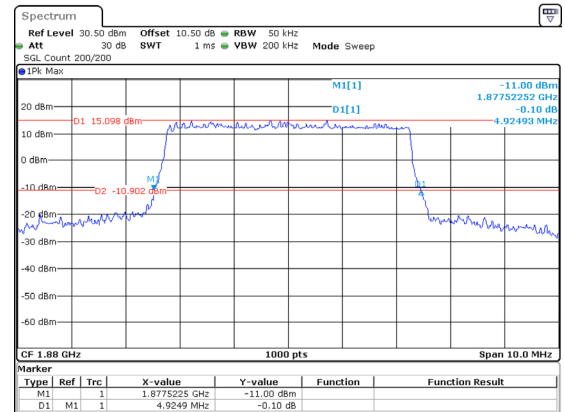
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:44:05

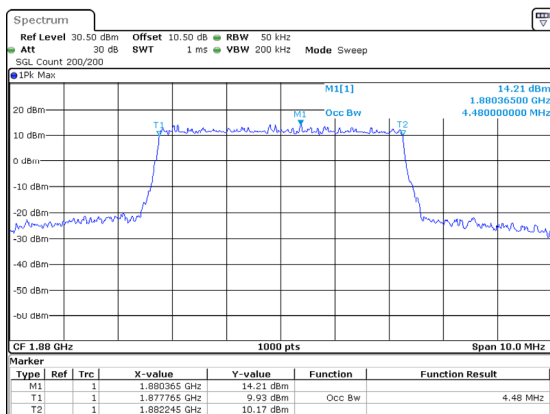
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:44:12

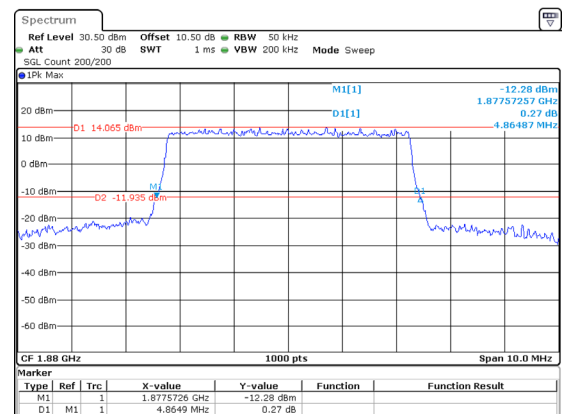
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:44:31

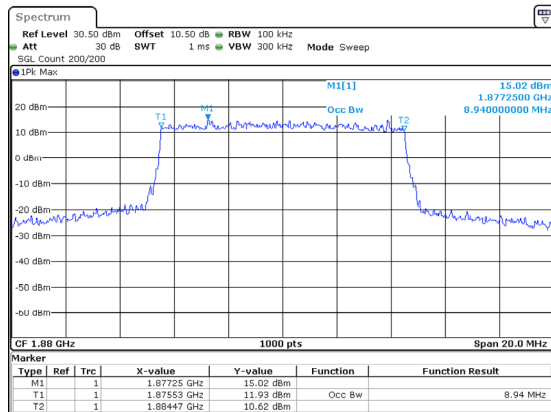
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:44:38

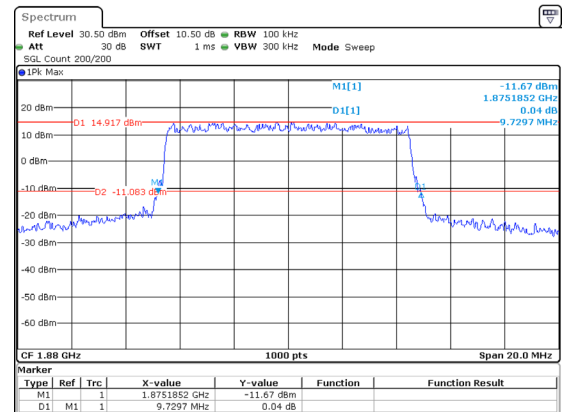
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:47:23

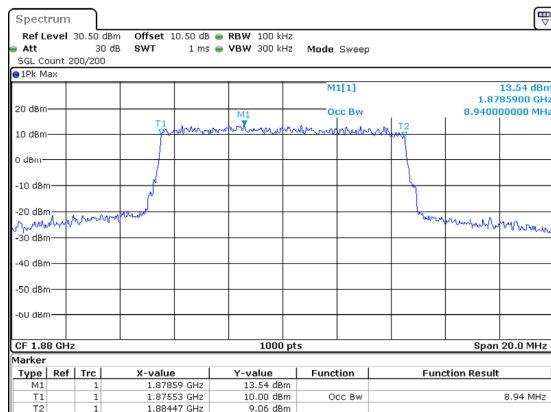
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:47:32

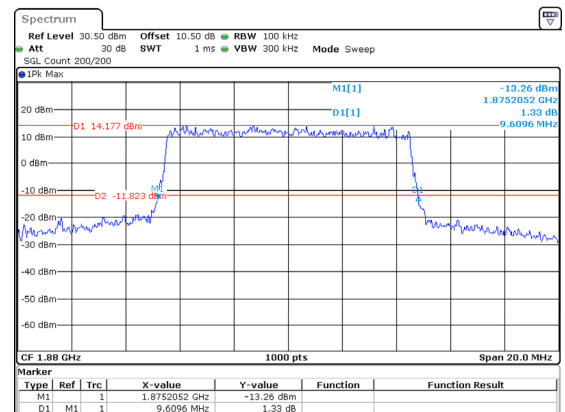
10MHz_Middle_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:47:53

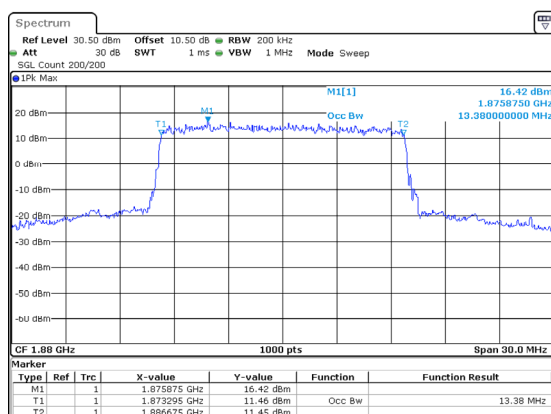
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:48:01

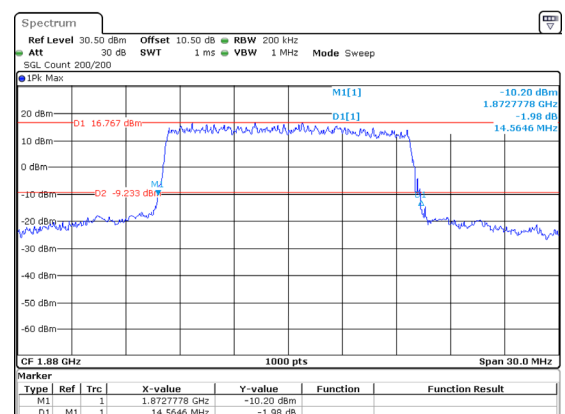
15MHz_Middle_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:52:15

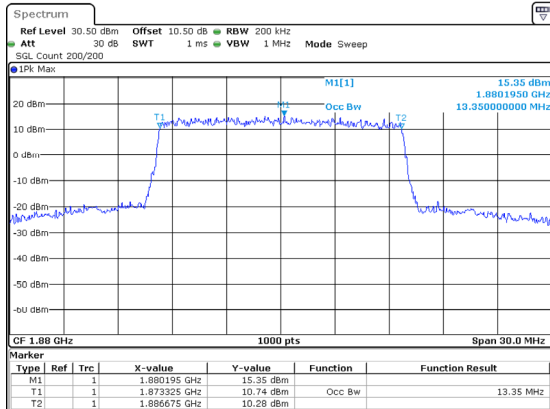
26dB Bandwidth



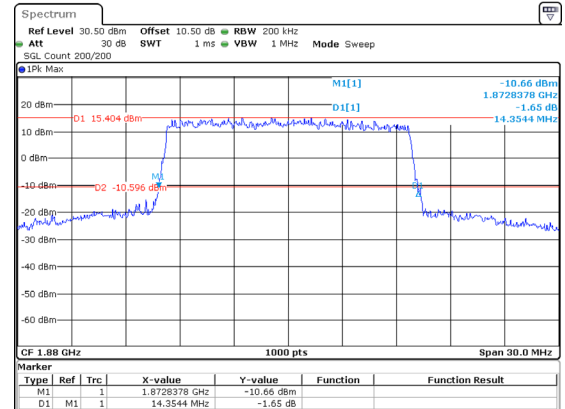
ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 27.DEC.2024 04:52:25

15MHz_Middle_16QAM_75@0

Occupied Bandwidth

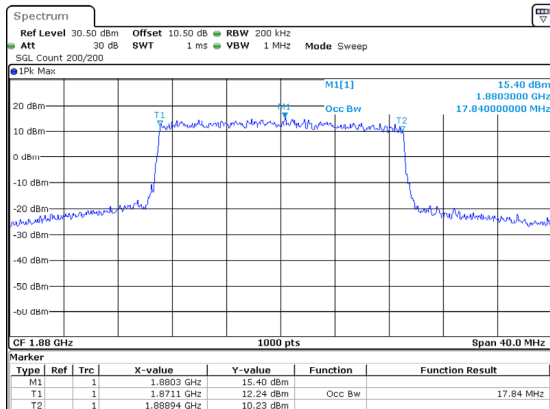


26dB Bandwidth

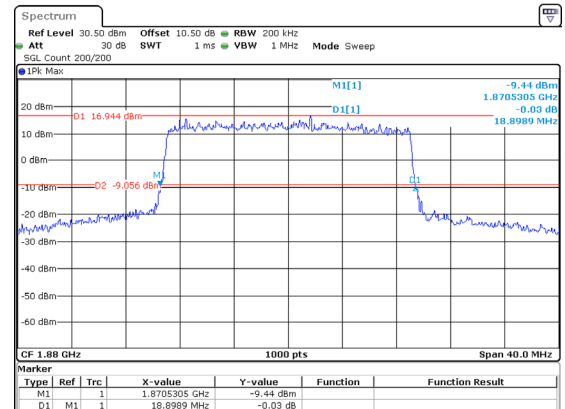


20MHz_Middle_QPSK_100@0

Occupied Bandwidth

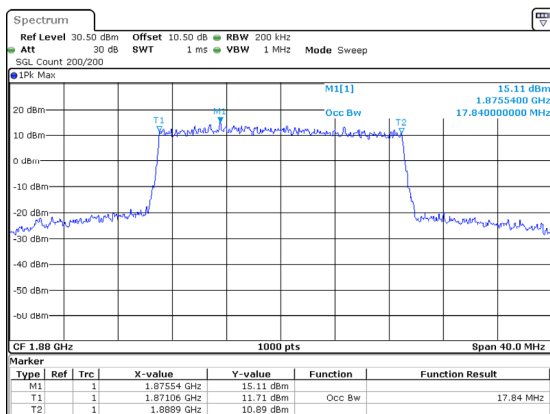


26dB Bandwidth

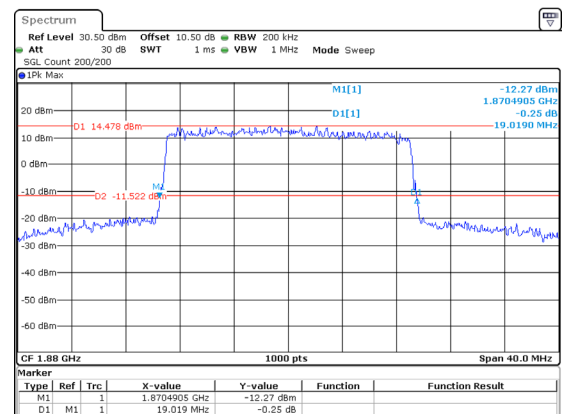


20MHz_Middle_16QAM_100@0

Occupied Bandwidth



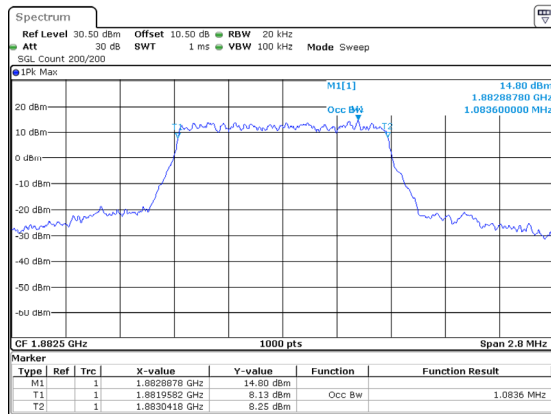
26dB Bandwidth



B25, Normal

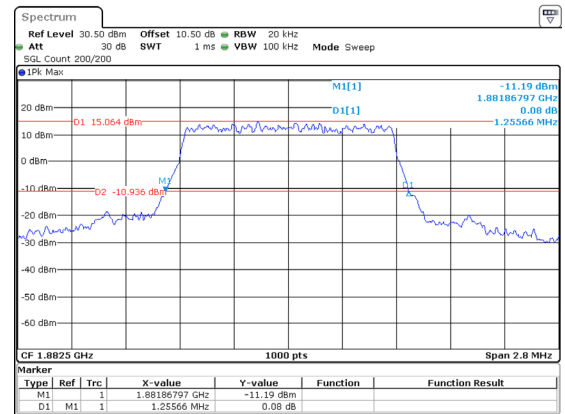
1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:26:47

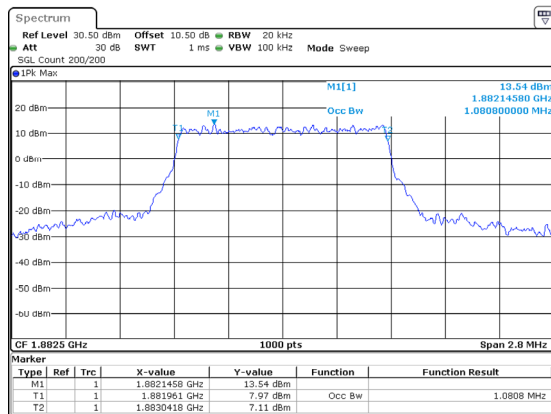
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:26:53

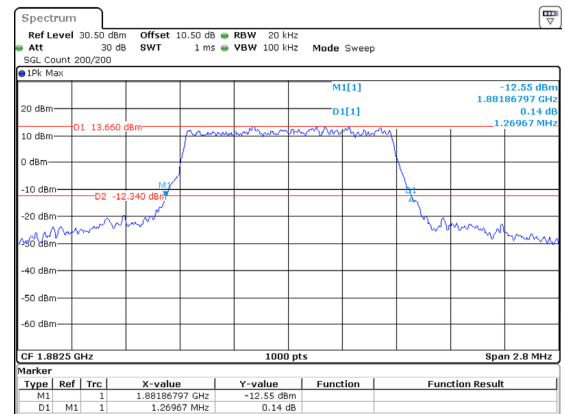
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:27:09

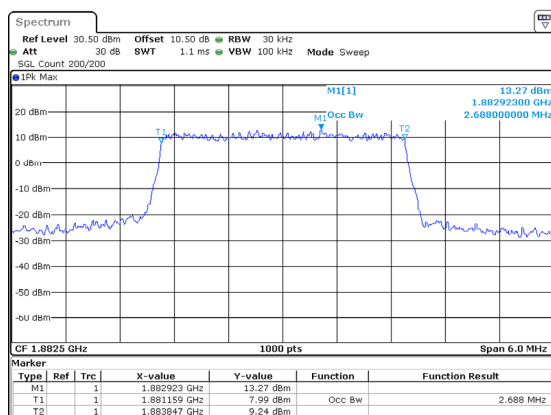
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:27:15

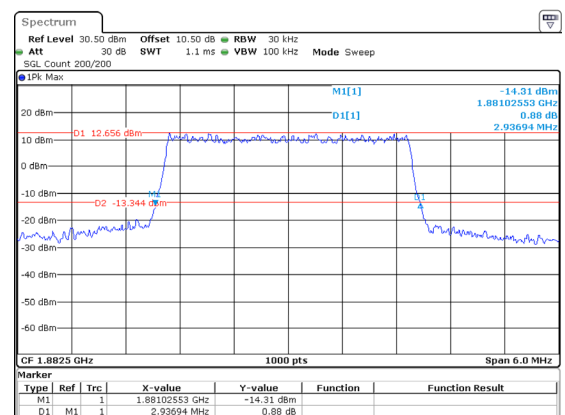
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:27:32

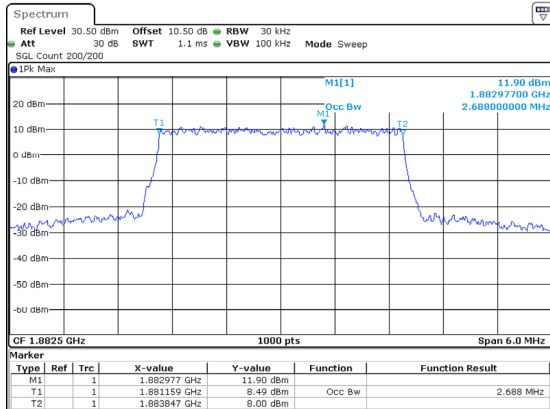
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:27:38

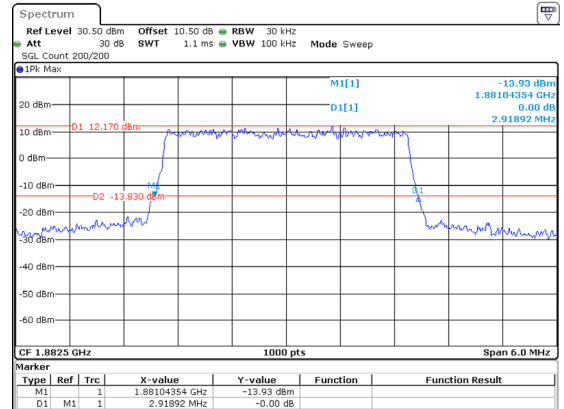
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:27:53

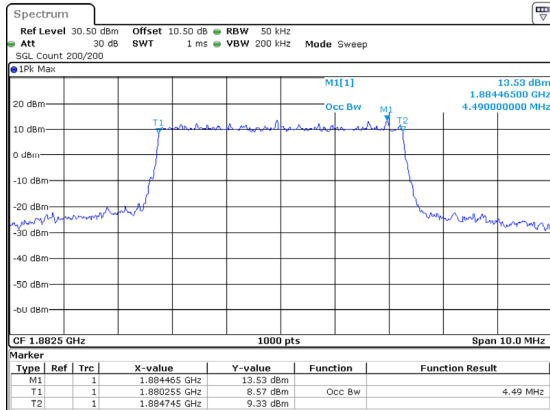
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:27:58

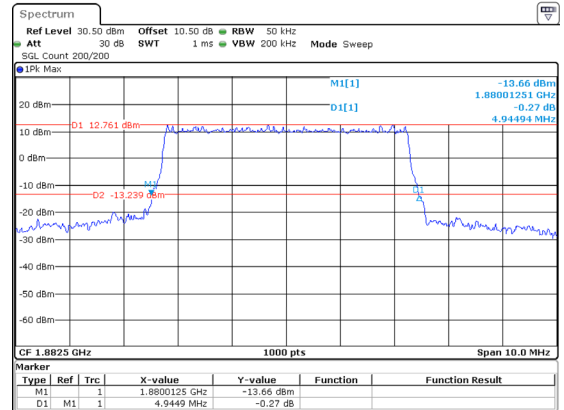
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:28:16

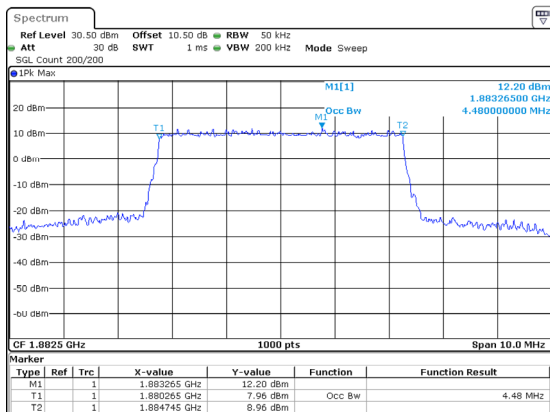
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:28:23

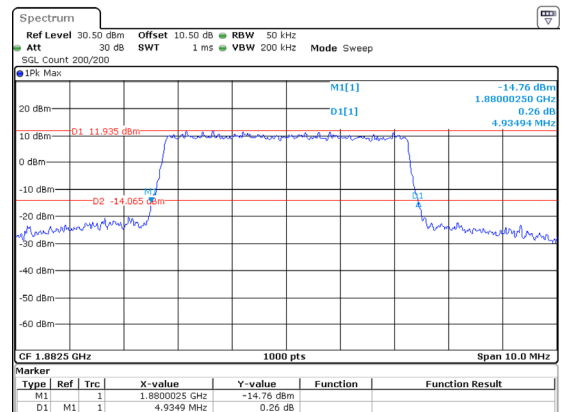
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:28:38

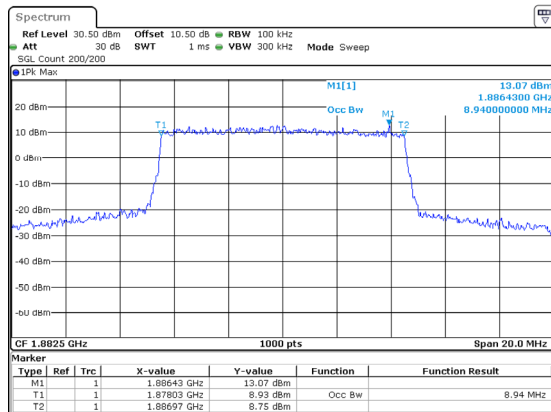
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:28:45

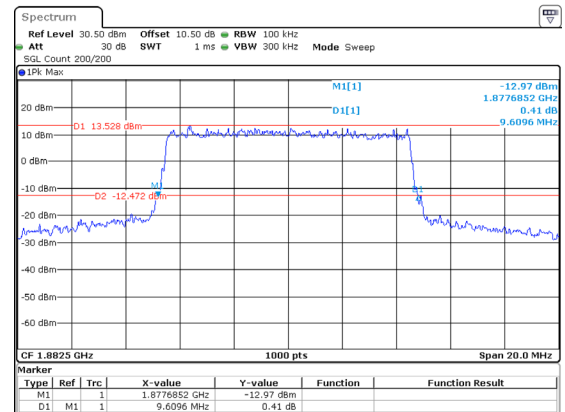
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:29:06

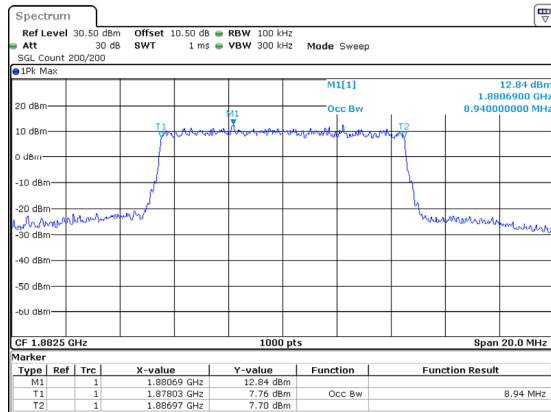
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:29:14

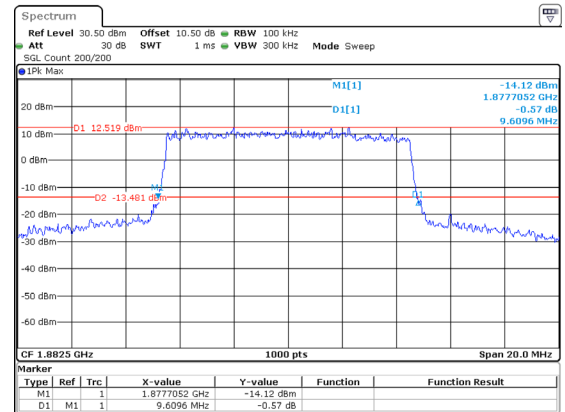
10MHz_Middle_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:29:31

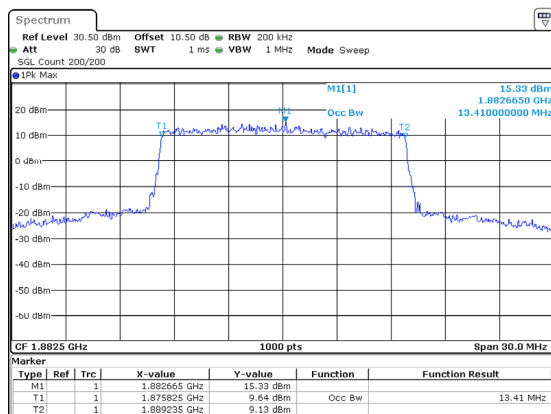
26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:29:39

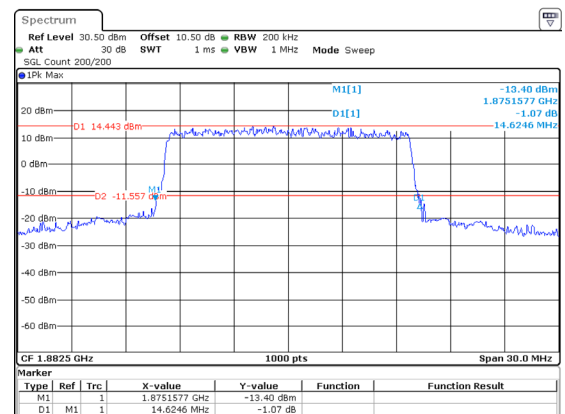
15MHz_Middle_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:30:03

26dB Bandwidth



ProjectNo.:2401A39666E-RF Tester:Usain Ou
Date: 31.DEC.2024 18:30:11