

**Occupied Bandwidth****FCC Part 27****LTE Band 4, Normal**

| Mode                    | 99% OBW<br>(MHz) | 26dB BW<br>(MHz) |
|-------------------------|------------------|------------------|
| 1.4MHz_Low_QPSK_6@0     | 1.095            | 1.264            |
| 1.4MHz_Low_16QAM_6@0    | 1.078            | 1.278            |
| 1.4MHz_Middle_QPSK_6@0  | 1.078            | 1.270            |
| 1.4MHz_Middle_16QAM_6@0 | 1.086            | 1.286            |
| 1.4MHz_High_QPSK_6@0    | 1.072            | 1.233            |
| 1.4MHz_High_16QAM_6@0   | 1.086            | 1.298            |
| 3MHz_Low_QPSK_15@0      | 2.688            | 2.961            |
| 3MHz_Low_16QAM_15@0     | 2.694            | 2.943            |
| 3MHz_Middle_QPSK_15@0   | 2.694            | 2.949            |
| 3MHz_Middle_16QAM_15@0  | 2.694            | 2.931            |
| 3MHz_High_QPSK_15@0     | 2.676            | 2.913            |
| 3MHz_High_16QAM_15@0    | 2.682            | 2.931            |
| 5MHz_Low_QPSK_25@0      | 4.470            | 4.895            |
| 5MHz_Low_16QAM_25@0     | 4.470            | 4.835            |
| 5MHz_Middle_QPSK_25@0   | 4.470            | 4.855            |
| 5MHz_Middle_16QAM_25@0  | 4.480            | 4.895            |
| 5MHz_High_QPSK_25@0     | 4.490            | 4.815            |
| 5MHz_High_16QAM_25@0    | 4.460            | 4.895            |
| 10MHz_Low_QPSK_50@0     | 8.920            | 9.610            |
| 10MHz_Low_16QAM_50@0    | 8.960            | 9.650            |
| 10MHz_Middle_QPSK_50@0  | 8.920            | 9.750            |
| 10MHz_Middle_16QAM_50@0 | 8.940            | 9.570            |
| 10MHz_High_QPSK_50@0    | 8.940            | 9.710            |
| 10MHz_High_16QAM_50@0   | 8.900            | 9.650            |
| 15MHz_Low_QPSK_75@0     | 13.410           | 14.324           |
| 15MHz_Low_16QAM_75@0    | 13.380           | 14.565           |
| 15MHz_Middle_QPSK_75@0  | 13.380           | 14.475           |
| 15MHz_Middle_16QAM_75@0 | 13.380           | 14.505           |
| 15MHz_High_QPSK_75@0    | 13.380           | 14.384           |
| 15MHz_High_16QAM_75@0   | 13.380           | 14.505           |

| Mode                     | 99% OBW<br>(MHz) | 26dB BW<br>(MHz) |
|--------------------------|------------------|------------------|
| 20MHz_Low_QPSK_100@0     | 17.880           | 18.939           |
| 20MHz_Low_16QAM_100@0    | 17.880           | 18.979           |
| 20MHz_Middle_QPSK_100@0  | 17.920           | 19.019           |
| 20MHz_Middle_16QAM_100@0 | 17.880           | 19.059           |
| 20MHz_High_QPSK_100@0    | 17.800           | 19.059           |
| 20MHz_High_16QAM_100@0   | 17.840           | 19.139           |

**LTE Band 7, Normal**

| Mode                     | 99% OBW<br>(MHz) | 26dB BW<br>(MHz) |
|--------------------------|------------------|------------------|
| 5MHz_Low_QPSK_25@0       | 4.460            | 4.825            |
| 5MHz_Low_16QAM_25@0      | 4.470            | 4.845            |
| 5MHz_Middle_QPSK_25@0    | 4.460            | 4.885            |
| 5MHz_Middle_16QAM_25@0   | 4.470            | 4.885            |
| 5MHz_High_QPSK_25@0      | 4.460            | 4.835            |
| 5MHz_High_16QAM_25@0     | 4.480            | 4.875            |
| 10MHz_Low_QPSK_50@0      | 8.920            | 9.630            |
| 10MHz_Low_16QAM_50@0     | 8.960            | 9.690            |
| 10MHz_Middle_QPSK_50@0   | 8.940            | 9.550            |
| 10MHz_Middle_16QAM_50@0  | 8.920            | 9.710            |
| 10MHz_High_QPSK_50@0     | 8.920            | 9.670            |
| 10MHz_High_16QAM_50@0    | 8.920            | 9.630            |
| 15MHz_Low_QPSK_75@0      | 13.380           | 14.384           |
| 15MHz_Low_16QAM_75@0     | 13.380           | 14.595           |
| 15MHz_Middle_QPSK_75@0   | 13.410           | 14.625           |
| 15MHz_Middle_16QAM_75@0  | 13.410           | 14.414           |
| 15MHz_High_QPSK_75@0     | 13.410           | 14.354           |
| 15MHz_High_16QAM_75@0    | 13.350           | 14.475           |
| 20MHz_Low_QPSK_100@0     | 17.840           | 18.899           |
| 20MHz_Low_16QAM_100@0    | 17.880           | 19.019           |
| 20MHz_Middle_QPSK_100@0  | 17.880           | 18.979           |
| 20MHz_Middle_16QAM_100@0 | 17.840           | 19.019           |
| 20MHz_High_QPSK_100@0    | 17.840           | 19.019           |
| 20MHz_High_16QAM_100@0   | 17.840           | 19.059           |

**LTE Band 12, Normal**

| Mode                    | 99% OBW<br>(MHz) | 26dB BW<br>(MHz) |
|-------------------------|------------------|------------------|
| 1.4MHz_Low_QPSK_6@0     | 1.075            | 1.242            |
| 1.4MHz_Low_16QAM_6@0    | 1.084            | 1.270            |
| 1.4MHz_Middle_QPSK_6@0  | 1.078            | 1.239            |
| 1.4MHz_Middle_16QAM_6@0 | 1.086            | 1.264            |
| 1.4MHz_High_QPSK_6@0    | 1.086            | 1.284            |
| 1.4MHz_High_16QAM_6@0   | 1.084            | 1.256            |
| 3MHz_Low_QPSK_15@0      | 2.688            | 2.919            |
| 3MHz_Low_16QAM_15@0     | 2.676            | 2.937            |
| 3MHz_Middle_QPSK_15@0   | 2.682            | 2.919            |
| 3MHz_Middle_16QAM_15@0  | 2.694            | 2.961            |
| 3MHz_High_QPSK_15@0     | 2.682            | 2.937            |
| 3MHz_High_16QAM_15@0    | 2.676            | 2.907            |
| 5MHz_Low_QPSK_25@0      | 4.460            | 4.845            |
| 5MHz_Low_16QAM_25@0     | 4.450            | 4.885            |
| 5MHz_Middle_QPSK_25@0   | 4.470            | 4.885            |
| 5MHz_Middle_16QAM_25@0  | 4.470            | 4.885            |
| 5MHz_High_QPSK_25@0     | 4.470            | 4.835            |
| 5MHz_High_16QAM_25@0    | 4.460            | 4.845            |
| 10MHz_Low_QPSK_50@0     | 8.920            | 9.570            |
| 10MHz_Low_16QAM_50@0    | 8.940            | 9.590            |
| 10MHz_Middle_QPSK_50@0  | 8.940            | 9.630            |
| 10MHz_Middle_16QAM_50@0 | 8.920            | 9.590            |
| 10MHz_High_QPSK_50@0    | 8.940            | 9.670            |
| 10MHz_High_16QAM_50@0   | 8.920            | 9.630            |

**LTE Band 17, Normal**

| Mode                   | 99% OBW<br>(MHz) | 26dB BW<br>(MHz) |
|------------------------|------------------|------------------|
| 5MHz_Low_QPSK_25@0     | 4.470            | 4.805            |
| 5MHz_Low_16QAM_25@0    | 4.460            | 4.895            |
| 5MHz_Middle_QPSK_25@0  | 4.480            | 4.885            |
| 5MHz_Middle_16QAM_25@0 | 4.470            | 4.805            |
| 5MHz_High_QPSK_25@0    | 4.470            | 4.865            |
| 5MHz_High_16QAM_25@0   | 4.460            | 4.855            |

| Mode                    | 99% OBW<br>(MHz) | 26dB BW<br>(MHz) |
|-------------------------|------------------|------------------|
| 10MHz_Low_QPSK_50@0     | 8.920            | 9.630            |
| 10MHz_Low_16QAM_50@0    | 8.960            | 9.650            |
| 10MHz_Middle_QPSK_50@0  | 8.940            | 9.710            |
| 10MHz_Middle_16QAM_50@0 | 8.940            | 9.730            |
| 10MHz_High_QPSK_50@0    | 8.940            | 9.590            |
| 10MHz_High_16QAM_50@0   | 8.920            | 9.590            |

**LTE Band 41, Normal**

| Mode                     | 99% OBW<br>(MHz) | 26dB BW<br>(MHz) |
|--------------------------|------------------|------------------|
| 5MHz_Low_QPSK_25@0       | 4.460            | 4.885            |
| 5MHz_Low_16QAM_25@0      | 4.460            | 4.765            |
| 5MHz_Middle_QPSK_25@0    | 4.470            | 4.845            |
| 5MHz_Middle_16QAM_25@0   | 4.470            | 4.344            |
| 5MHz_High_QPSK_25@0      | 4.450            | 4.855            |
| 5MHz_High_16QAM_25@0     | 4.450            | 4.885            |
| 10MHz_Low_QPSK_50@0      | 8.960            | 9.710            |
| 10MHz_Low_16QAM_50@0     | 8.940            | 9.690            |
| 10MHz_Middle_QPSK_50@0   | 8.920            | 9.710            |
| 10MHz_Middle_16QAM_50@0  | 8.940            | 9.530            |
| 10MHz_High_QPSK_50@0     | 8.940            | 9.590            |
| 10MHz_High_16QAM_50@0    | 8.920            | 9.630            |
| 15MHz_Low_QPSK_75@0      | 13.380           | 14.264           |
| 15MHz_Low_16QAM_75@0     | 13.410           | 14.505           |
| 15MHz_Middle_QPSK_75@0   | 13.410           | 14.384           |
| 15MHz_Middle_16QAM_75@0  | 13.410           | 14.414           |
| 15MHz_High_QPSK_75@0     | 13.410           | 14.384           |
| 15MHz_High_16QAM_75@0    | 13.440           | 14.324           |
| 20MHz_Low_QPSK_100@0     | 17.840           | 18.819           |
| 20MHz_Low_16QAM_100@0    | 17.840           | 19.019           |
| 20MHz_Middle_QPSK_100@0  | 17.880           | 18.779           |
| 20MHz_Middle_16QAM_100@0 | 17.840           | 18.939           |
| 20MHz_High_QPSK_100@0    | 17.800           | 19.139           |
| 20MHz_High_16QAM_100@0   | 17.840           | 18.899           |

**LTE Band 66, Normal**

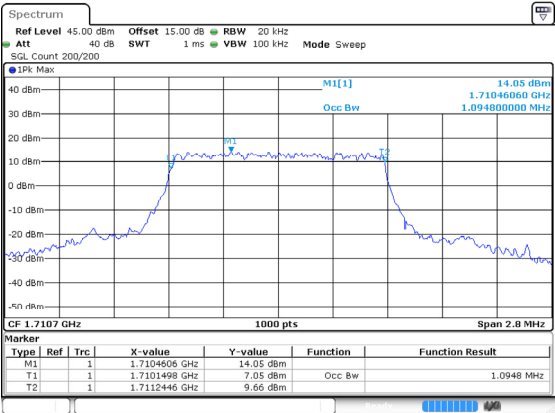
| Mode                    | 99% OBW<br>(MHz) | 26dB BW<br>(MHz) |
|-------------------------|------------------|------------------|
| 1.4MHz_Low_QPSK_6@0     | 1.092            | 1.298            |
| 1.4MHz_Low_16QAM_6@0    | 1.084            | 1.256            |
| 1.4MHz_Middle_QPSK_6@0  | 1.089            | 1.253            |
| 1.4MHz_Middle_16QAM_6@0 | 1.089            | 1.261            |
| 1.4MHz_High_QPSK_6@0    | 1.078            | 1.247            |
| 1.4MHz_High_16QAM_6@0   | 1.086            | 1.267            |
| 3MHz_Low_QPSK_15@0      | 2.688            | 2.949            |
| 3MHz_Low_16QAM_15@0     | 2.682            | 2.943            |
| 3MHz_Middle_QPSK_15@0   | 2.682            | 2.919            |
| 3MHz_Middle_16QAM_15@0  | 2.682            | 2.925            |
| 3MHz_High_QPSK_15@0     | 2.682            | 2.895            |
| 3MHz_High_16QAM_15@0    | 2.688            | 2.925            |
| 5MHz_Low_QPSK_25@0      | 4.460            | 4.895            |
| 5MHz_Low_16QAM_25@0     | 4.470            | 4.955            |
| 5MHz_Middle_QPSK_25@0   | 4.480            | 4.905            |
| 5MHz_Middle_16QAM_25@0  | 4.480            | 4.905            |
| 5MHz_High_QPSK_25@0     | 4.490            | 4.885            |
| 5MHz_High_16QAM_25@0    | 4.470            | 4.905            |
| 10MHz_Low_QPSK_50@0     | 8.940            | 9.630            |
| 10MHz_Low_16QAM_50@0    | 8.940            | 9.790            |
| 10MHz_Middle_QPSK_50@0  | 8.960            | 9.670            |
| 10MHz_Middle_16QAM_50@0 | 8.920            | 9.770            |
| 10MHz_High_QPSK_50@0    | 8.920            | 9.510            |
| 10MHz_High_16QAM_50@0   | 8.960            | 9.650            |
| 15MHz_Low_QPSK_75@0     | 13.410           | 14.595           |
| 15MHz_Low_16QAM_75@0    | 13.410           | 14.535           |
| 15MHz_Middle_QPSK_75@0  | 13.380           | 14.475           |
| 15MHz_Middle_16QAM_75@0 | 13.350           | 14.414           |
| 15MHz_High_QPSK_75@0    | 13.410           | 14.324           |
| 15MHz_High_16QAM_75@0   | 13.380           | 14.414           |
| 20MHz_Low_QPSK_100@0    | 17.880           | 19.099           |
| 20MHz_Low_16QAM_100@0   | 17.880           | 19.179           |
| 20MHz_Middle_QPSK_100@0 | 17.880           | 18.899           |

| Mode                     | 99% OBW<br>(MHz) | 26dB BW<br>(MHz) |
|--------------------------|------------------|------------------|
| 20MHz_Middle_16QAM_100@0 | 17.800           | 18.939           |
| 20MHz_High_QPSK_100@0    | 17.800           | 19.099           |
| 20MHz_High_16QAM_100@0   | 17.880           | 18.979           |

LTE Band 4, Normal

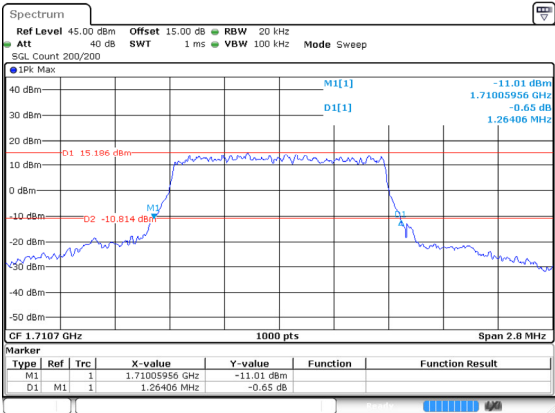
1.4MHz\_Low\_QPSK\_6@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:19:27

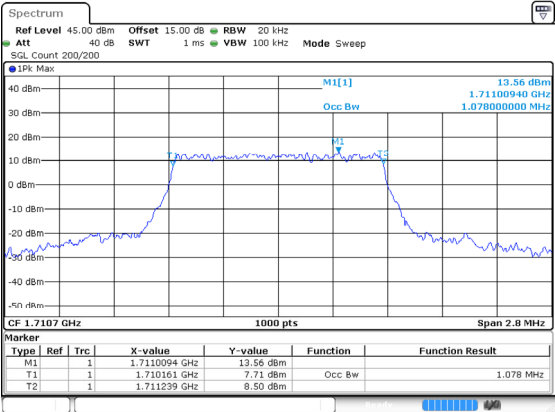
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:19:35

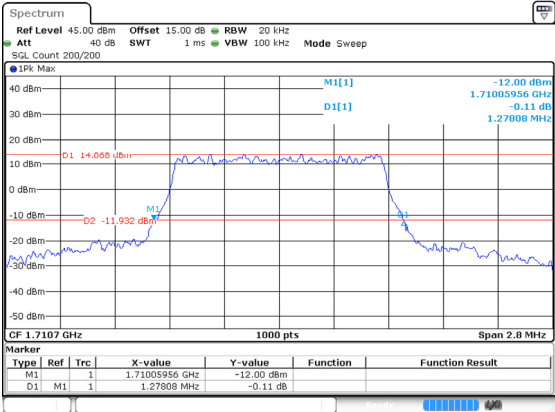
1.4MHz\_Low\_16QAM\_6@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:20:01

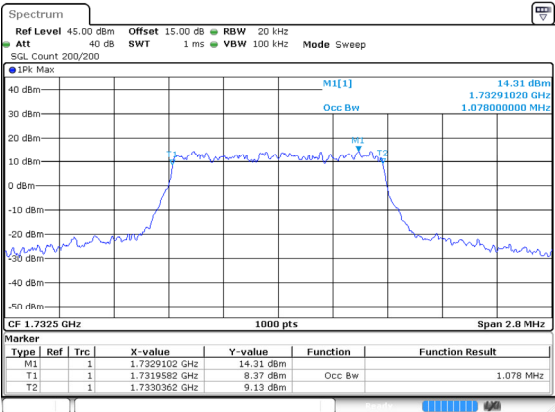
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:20:09

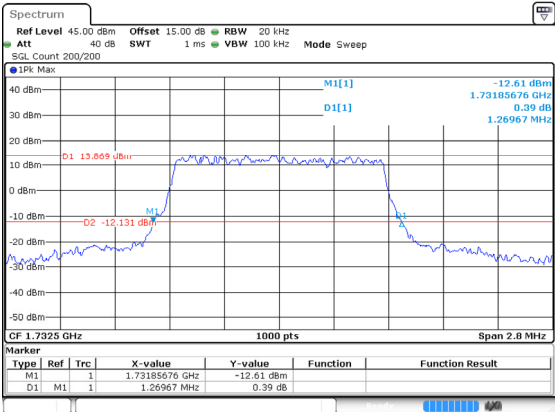
1.4MHz\_Middle\_QPSK\_6@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:20:34

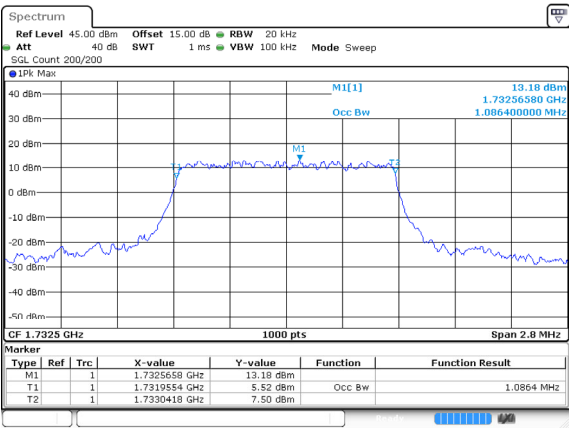
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:20:42

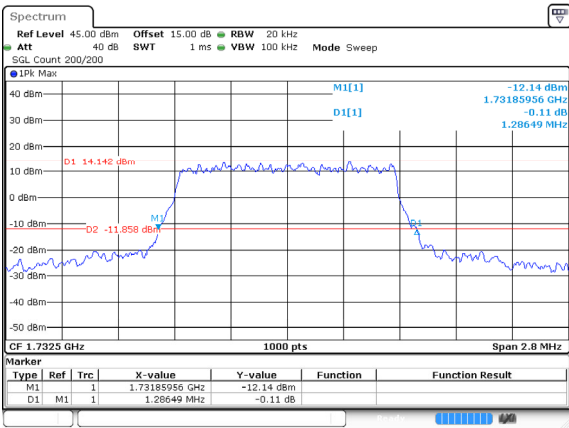
1.4MHz\_Middle\_16QAM\_6@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:21:06

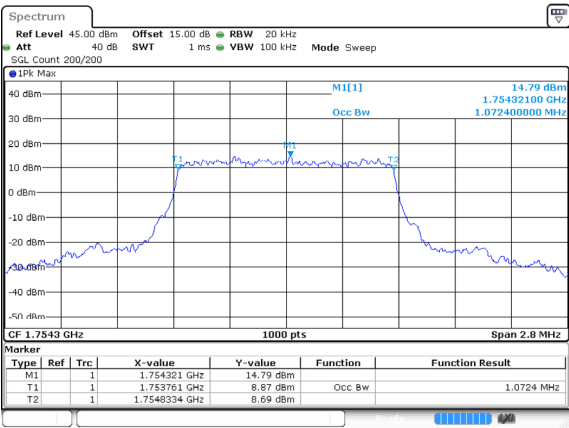
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:21:14

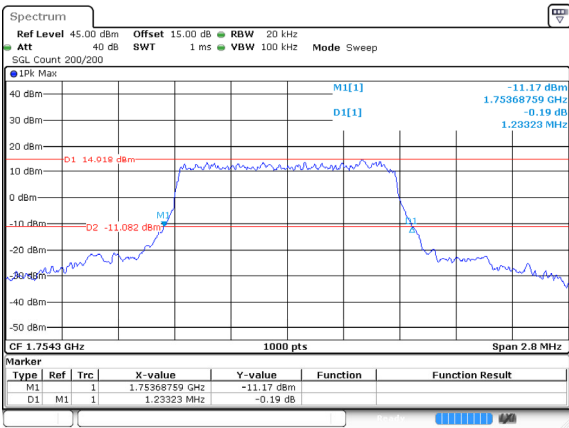
1.4MHz\_High\_QPSK\_6@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:21:39

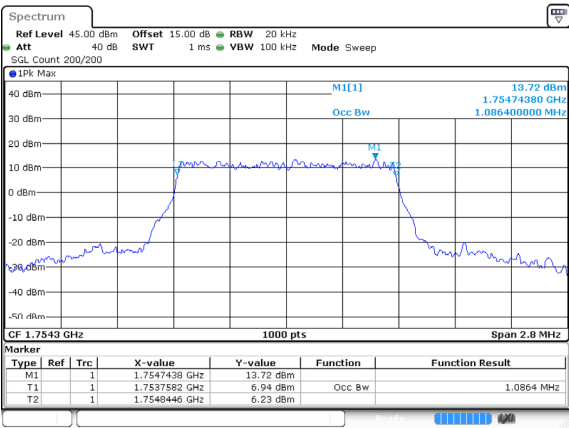
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:21:47

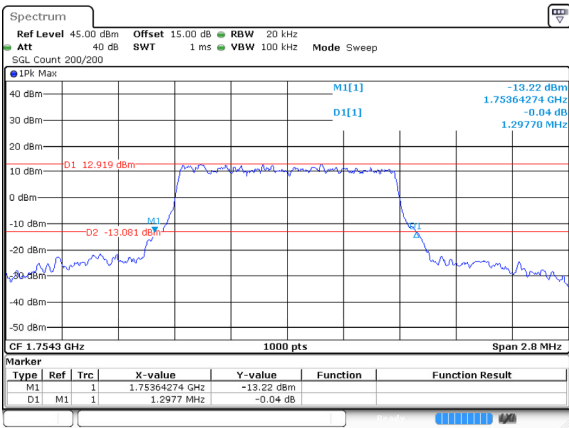
1.4MHz\_High\_16QAM\_6@0

Occupied Bandwidth



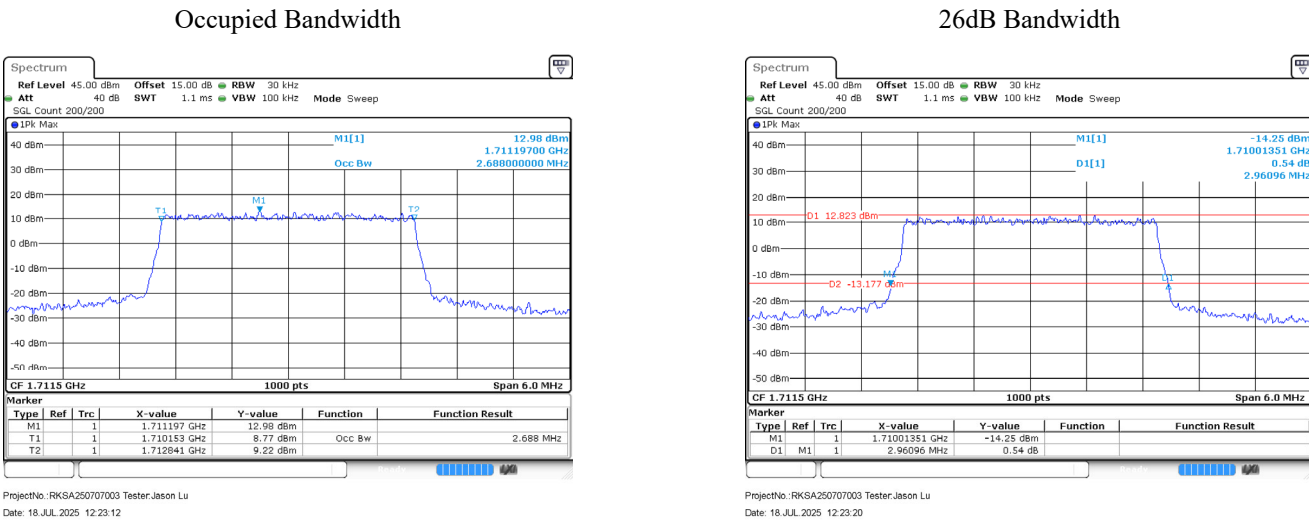
ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:22:10

26dB Bandwidth

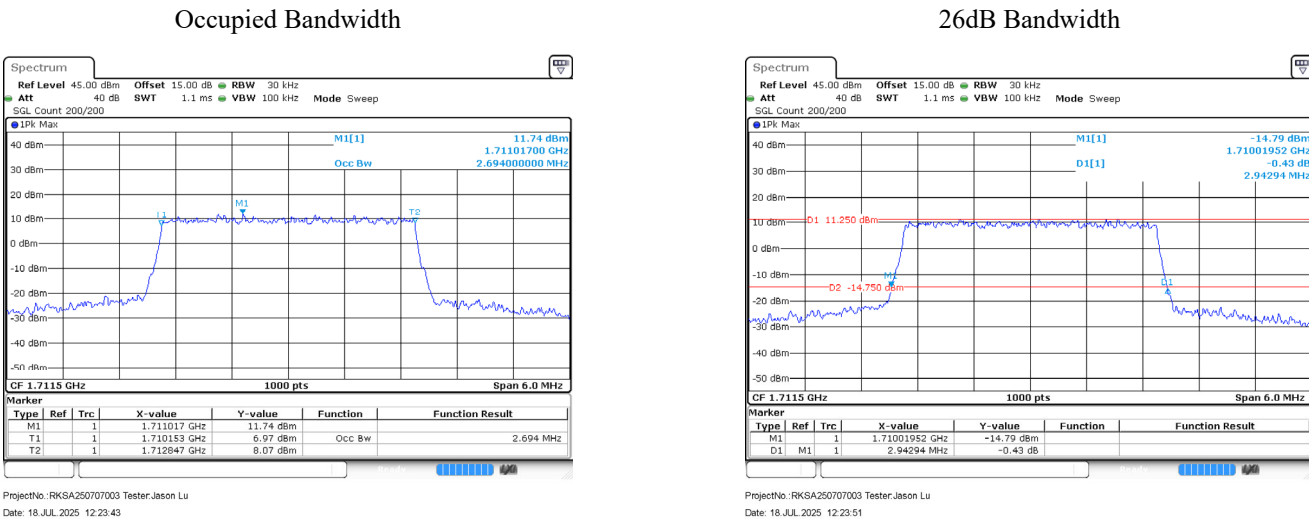


ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:22:18

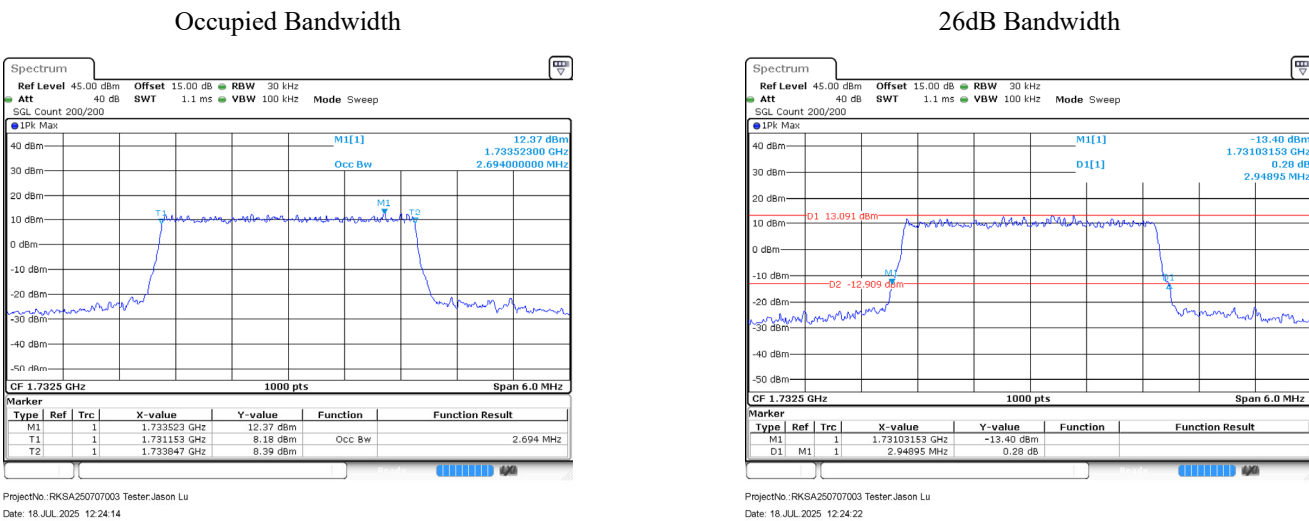
3MHz\_Low\_QPSK\_15@0



3MHz\_Low\_16QAM\_15@0

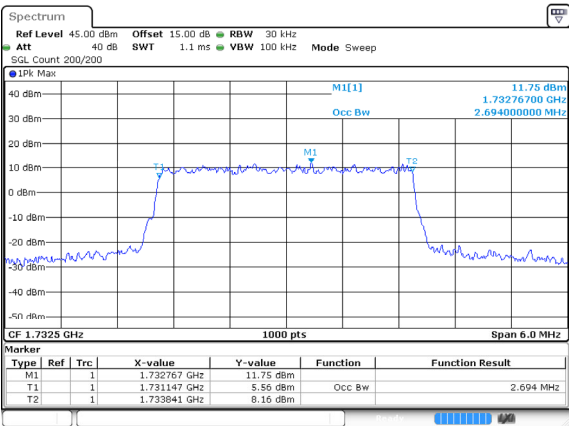


3MHz\_Middle\_QPSK\_15@0



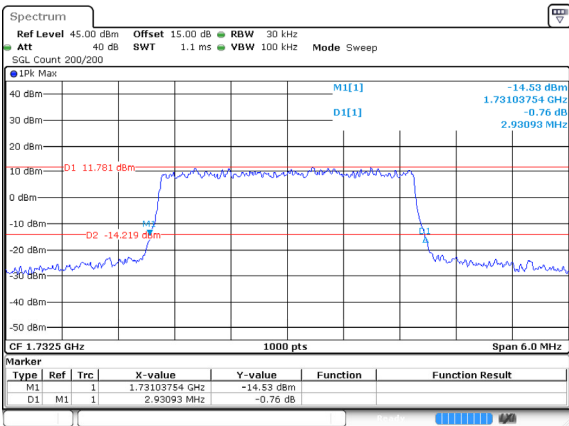
3MHz\_Middle\_16QAM\_15@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:24:46

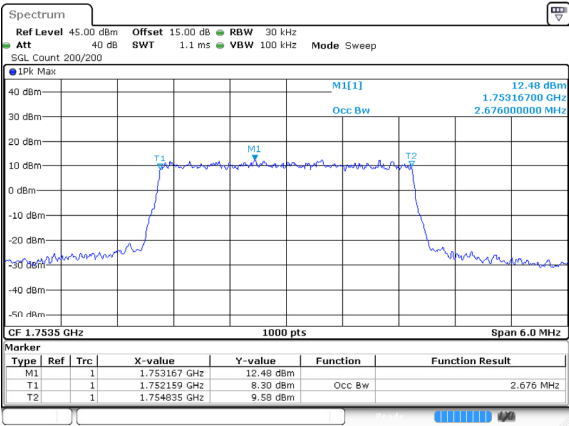
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:24:54

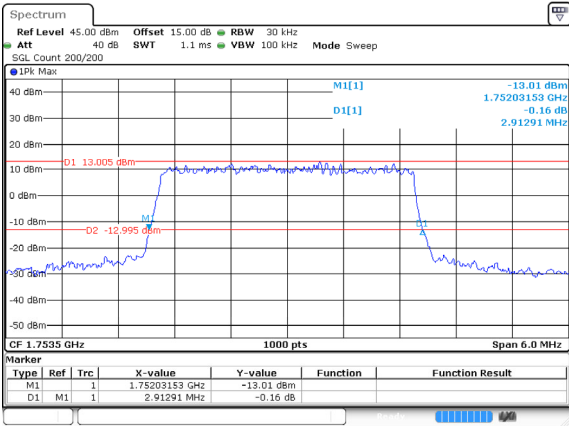
3MHz\_High\_QPSK\_15@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:25:17

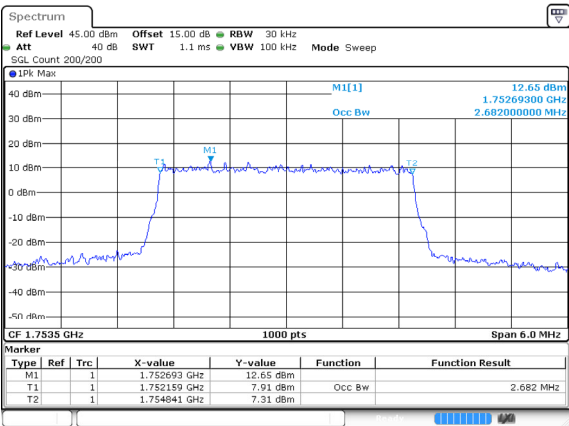
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:25:26

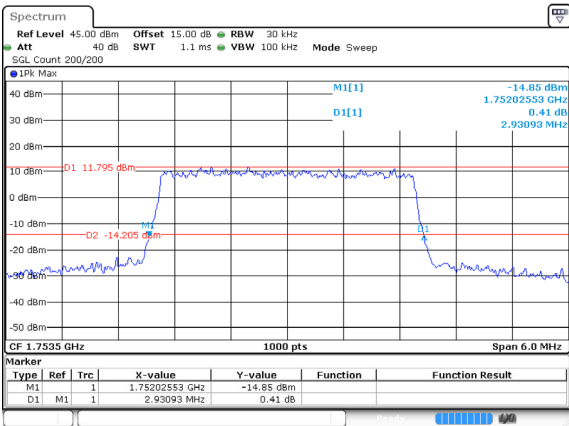
3MHz\_High\_16QAM\_15@0

Occupied Bandwidth



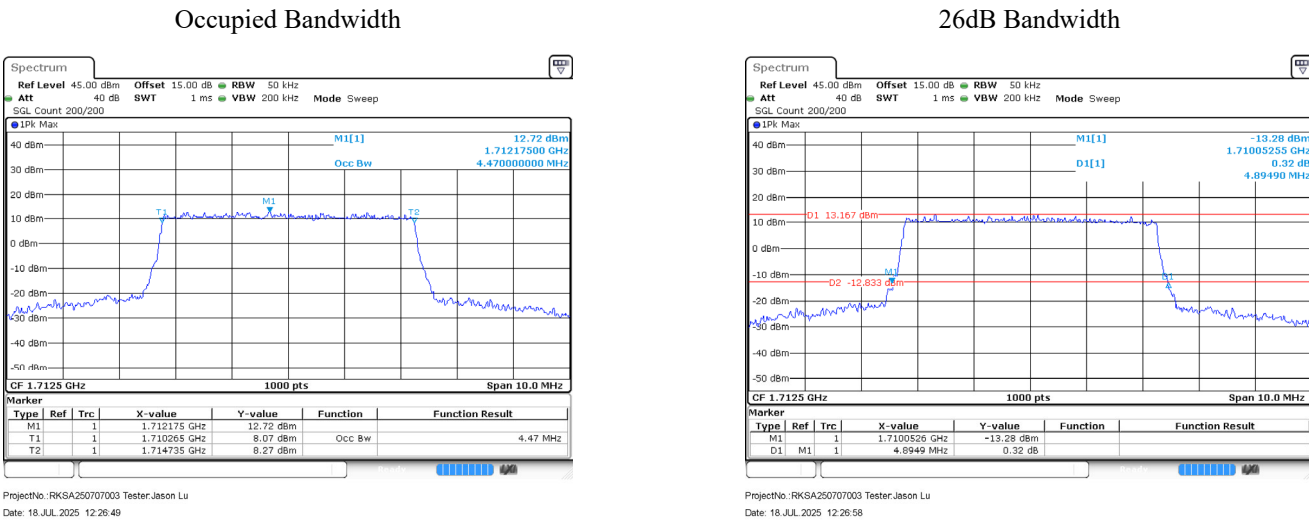
ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:25:48

26dB Bandwidth

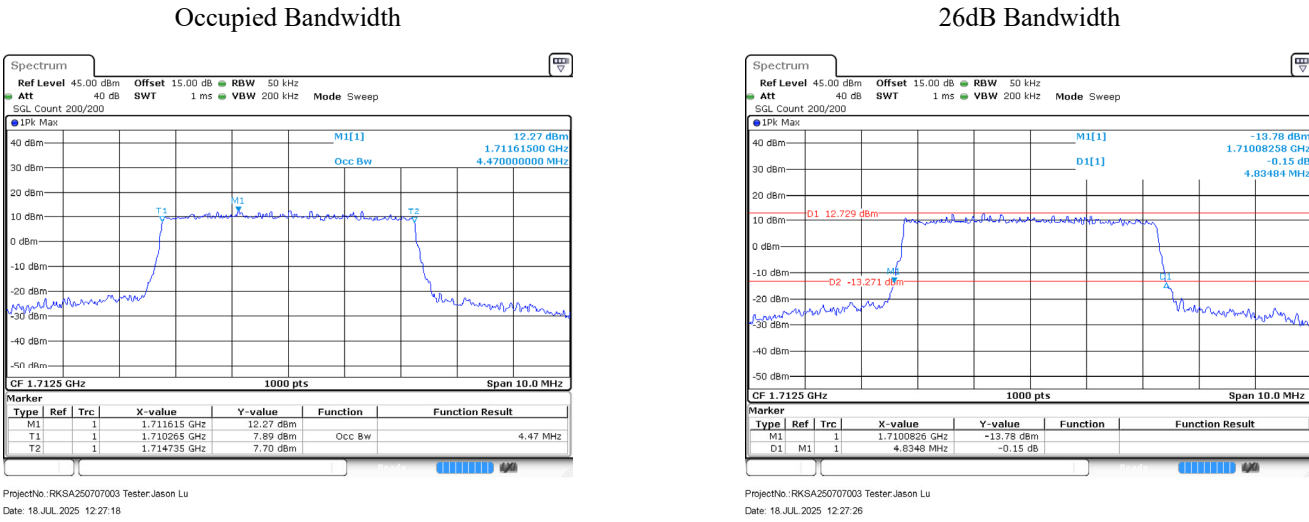


ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:25:57

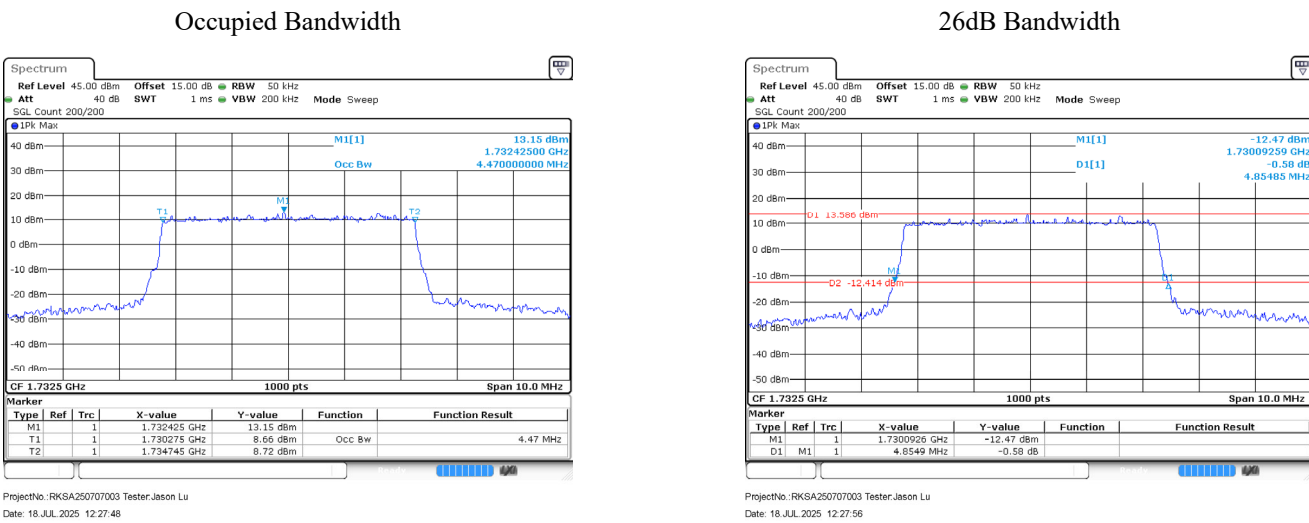
5MHz\_Low\_QPSK\_25@0



5MHz\_Low\_16QAM\_25@0

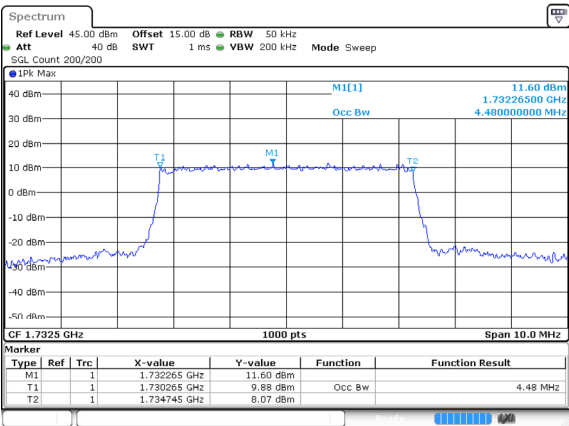


5MHz\_Middle\_QPSK\_25@0



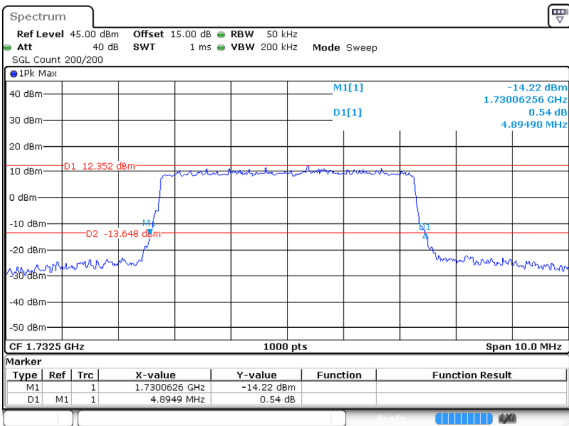
5MHz\_Middle\_16QAM\_25@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:28:17

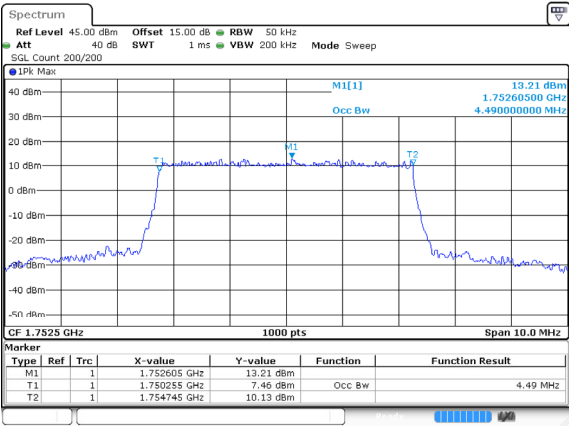
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:28:26

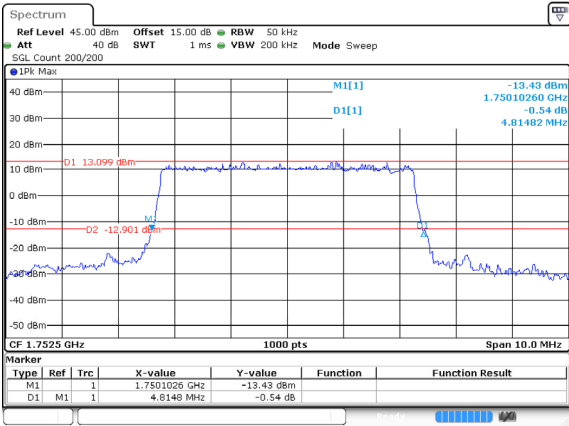
5MHz\_High\_QPSK\_25@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:28:47

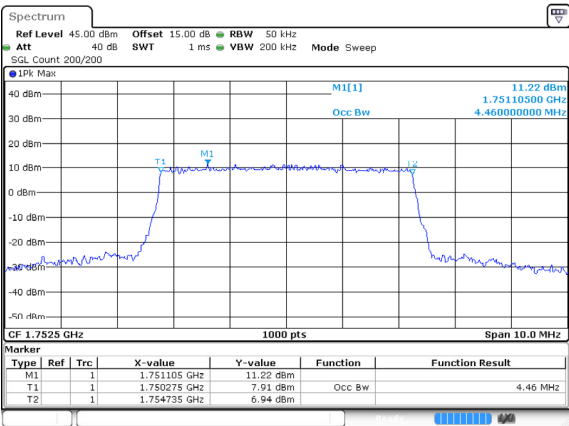
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:28:56

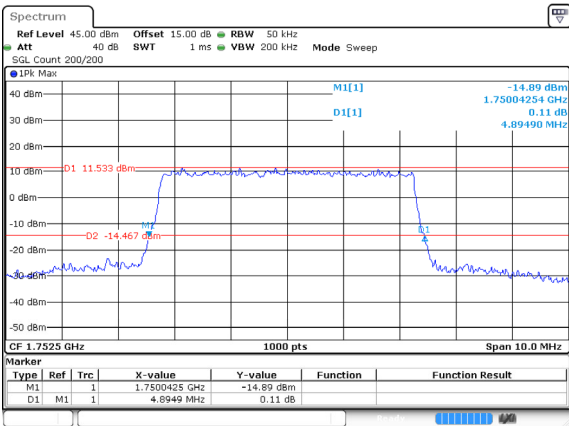
5MHz\_High\_16QAM\_25@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:29:19

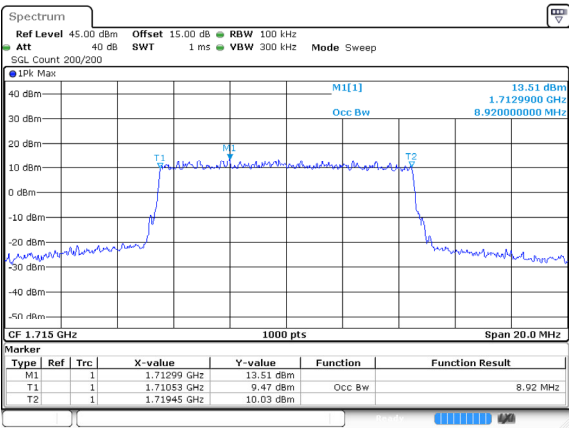
26dB Bandwidth



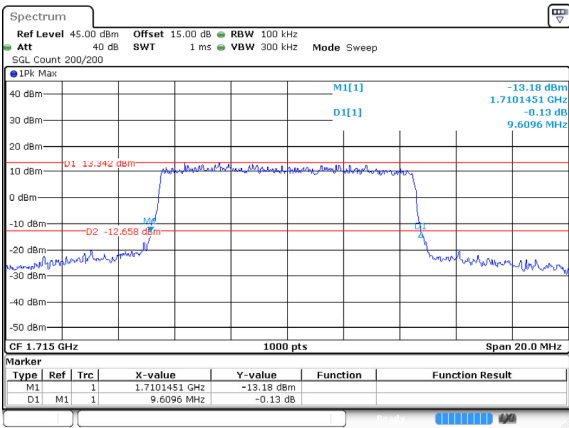
ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:29:28

10MHz\_Low\_QPSK\_50@0

Occupied Bandwidth

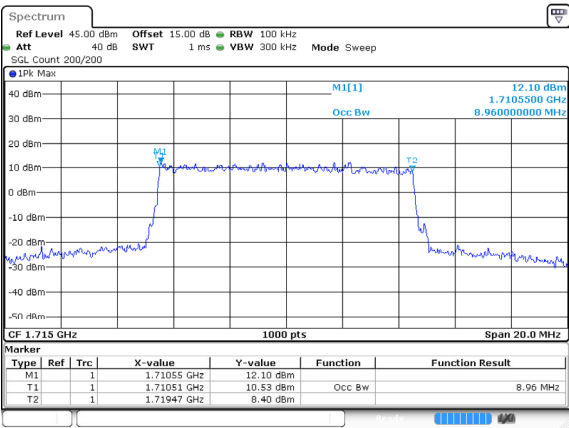


26dB Bandwidth

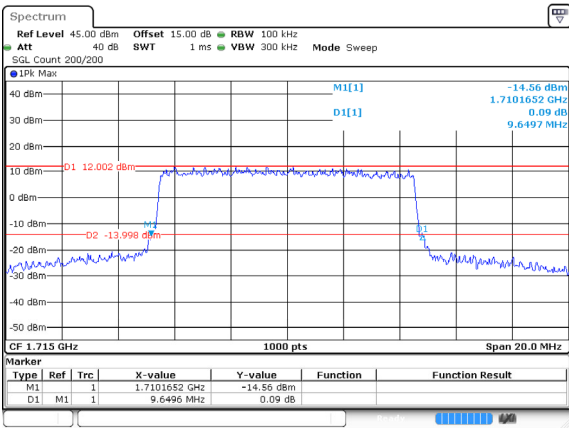


10MHz\_Low\_16QAM\_50@0

Occupied Bandwidth

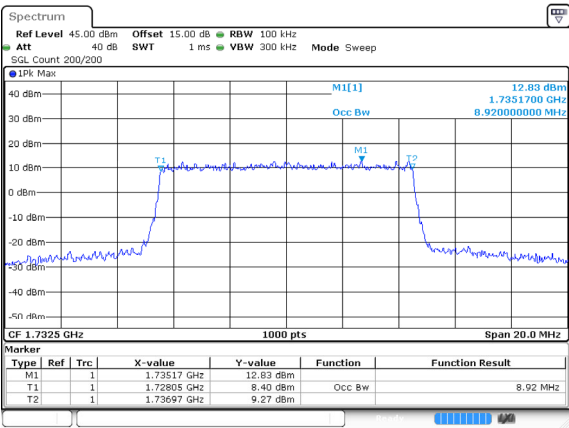


26dB Bandwidth

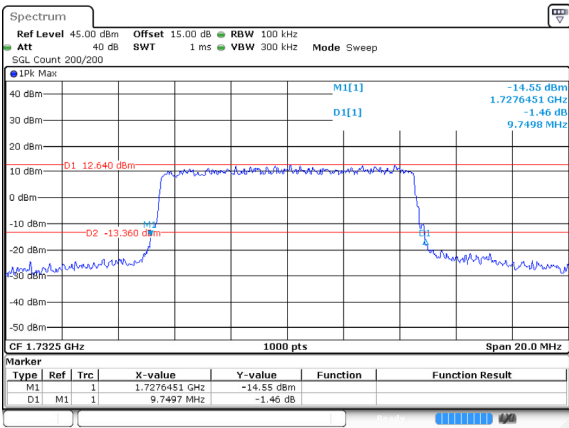


10MHz\_Middle\_QPSK\_50@0

Occupied Bandwidth

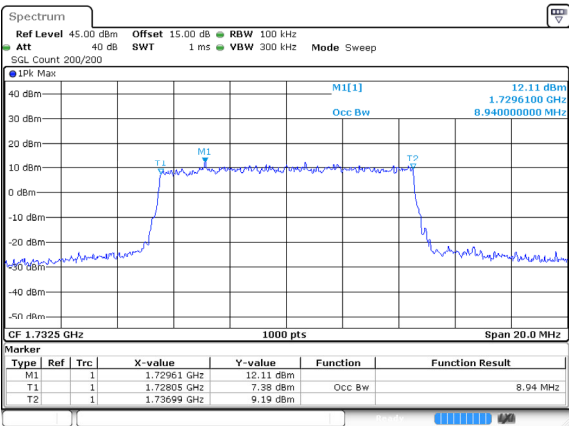


26dB Bandwidth



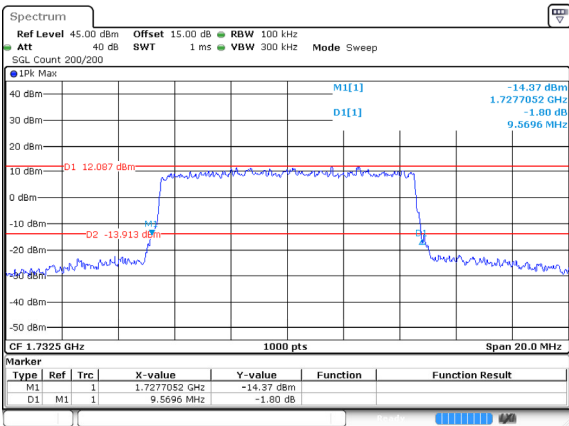
10MHz\_Middle\_16QAM\_50@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:32:11

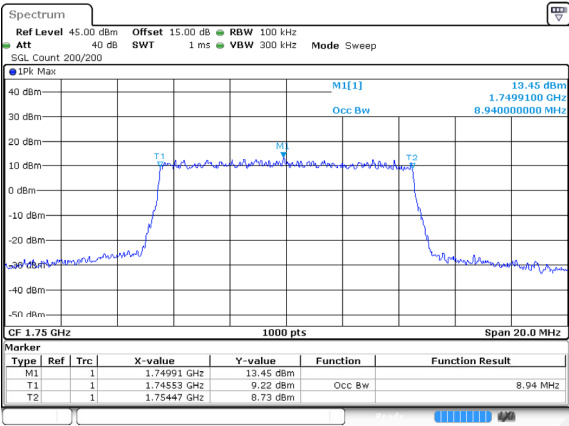
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:32:22

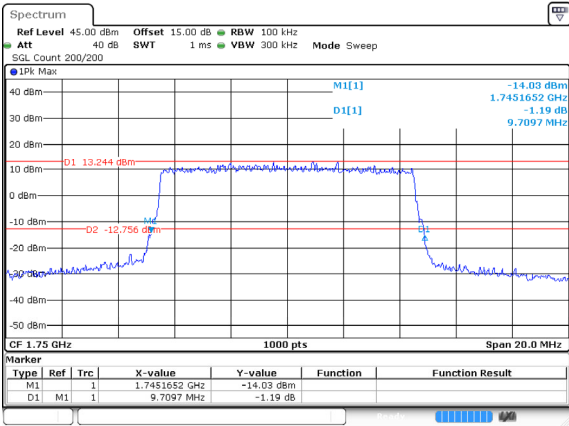
10MHz\_High\_QPSK\_50@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:32:45

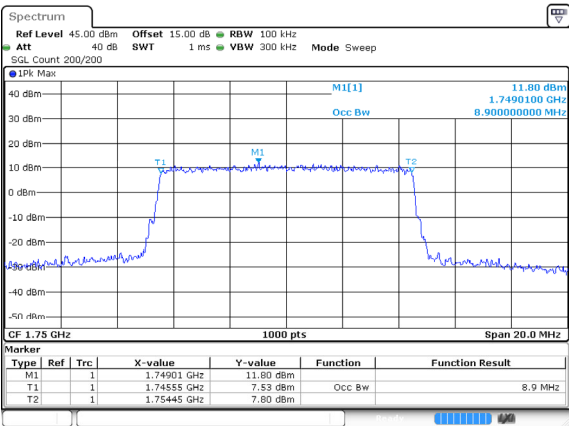
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:32:54

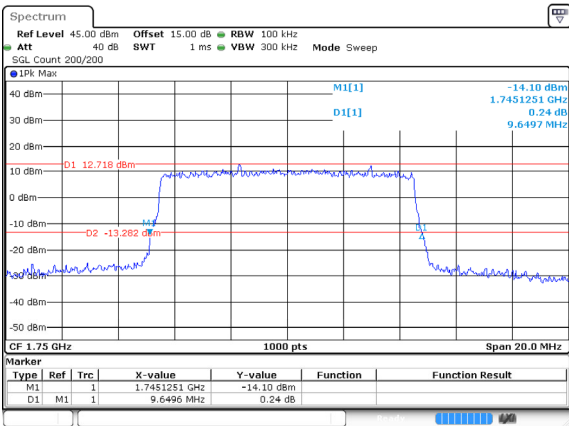
10MHz\_High\_16QAM\_50@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:33:19

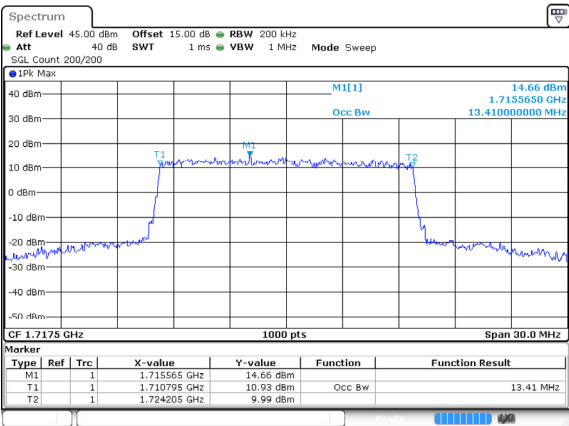
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:33:28

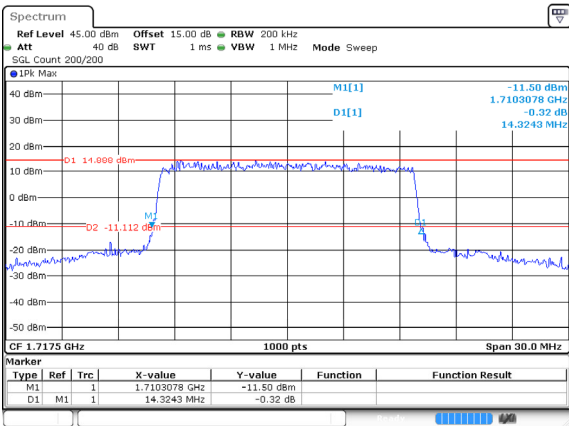
15MHz\_Low\_QPSK\_75@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:34:30

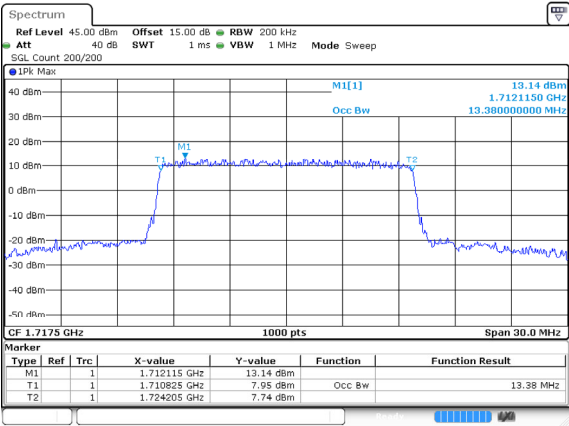
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:34:42

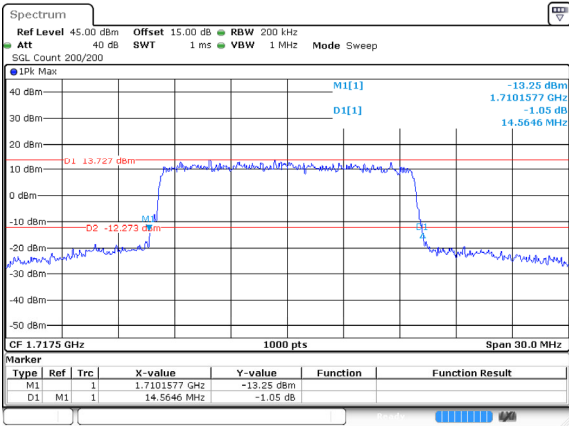
15MHz\_Low\_16QAM\_75@0

Occupied Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:35:13

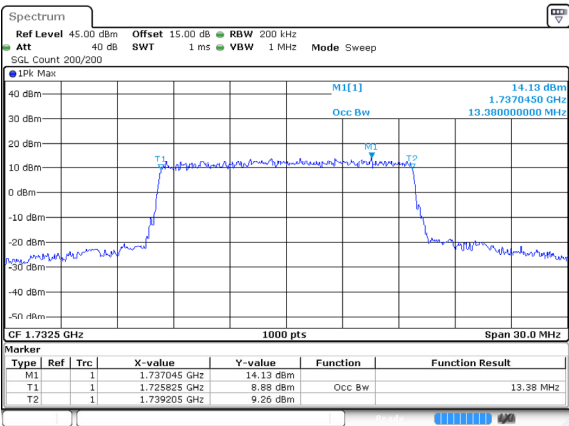
26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:35:25

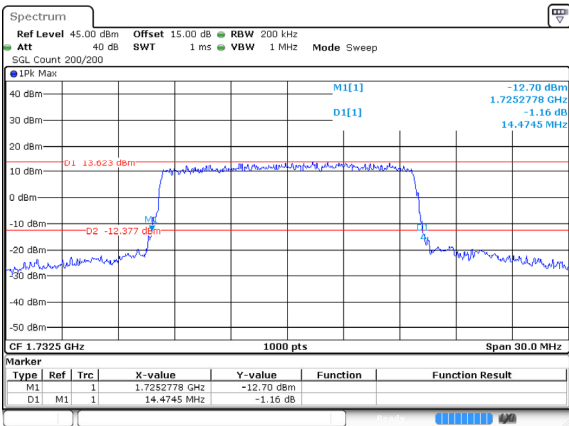
15MHz\_Middle\_QPSK\_75@0

Occupied Bandwidth



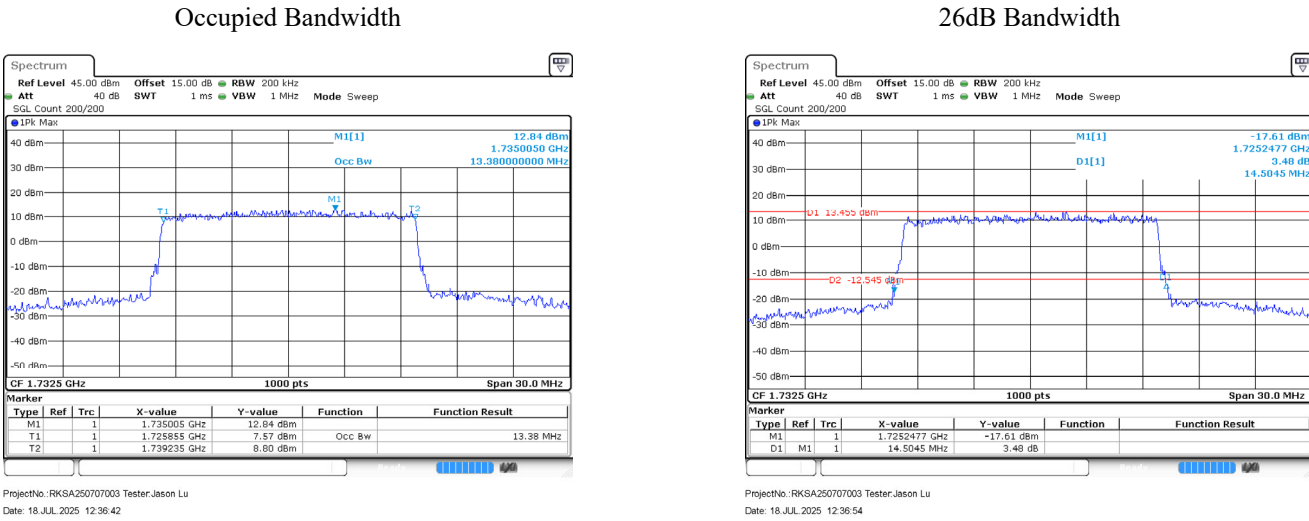
ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:35:57

26dB Bandwidth

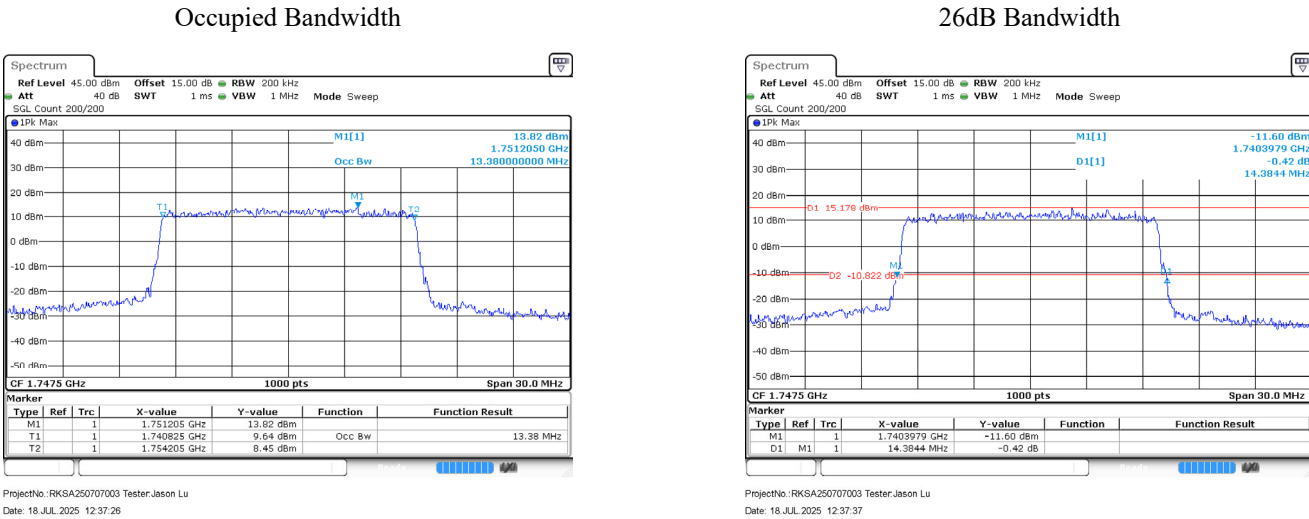


ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:36:09

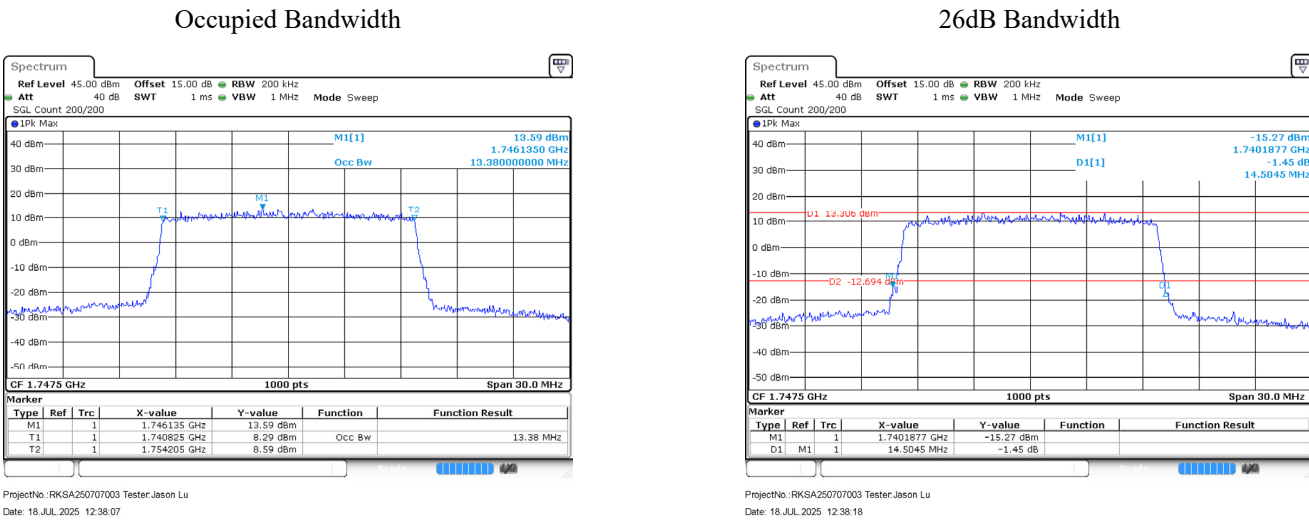
15MHz\_Middle\_16QAM\_75@0



15MHz\_High\_QPSK\_75@0



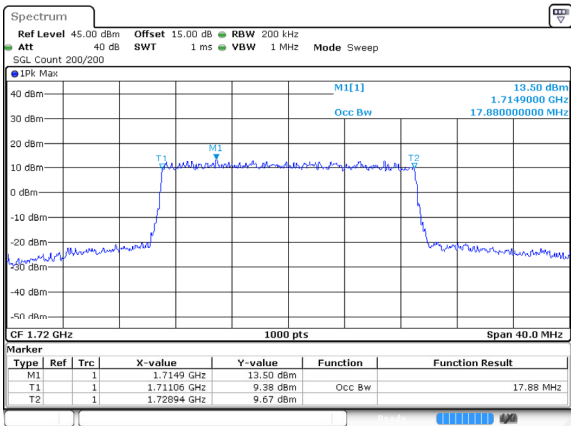
15MHz\_High\_16QAM\_75@0



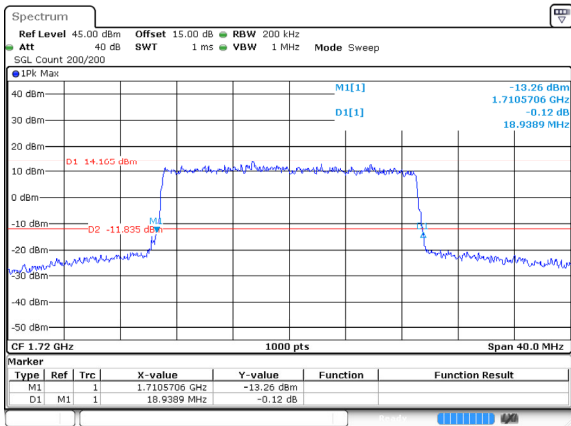
20MHz\_Low\_QPSK\_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:39:22

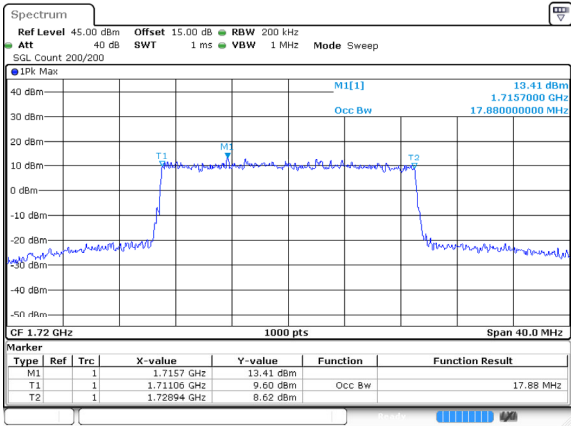


ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:39:34

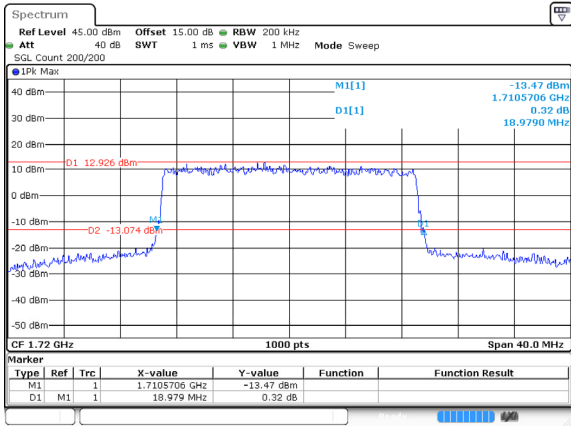
20MHz\_Low\_16QAM\_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:40:06

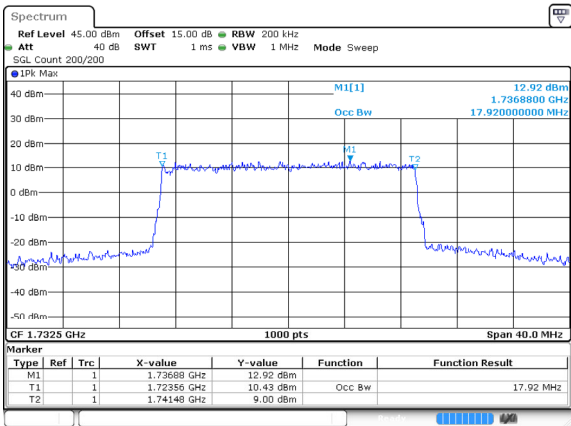


ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:40:18

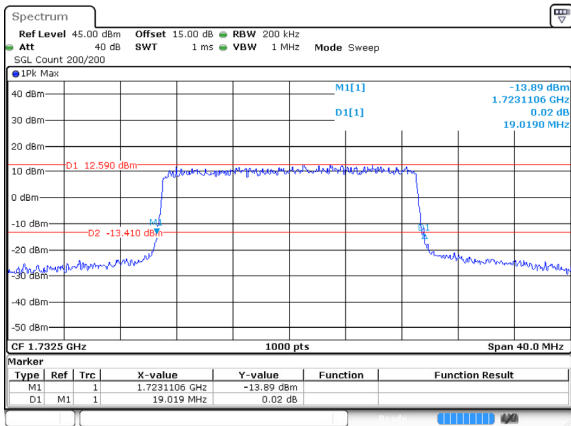
20MHz\_Middle\_QPSK\_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:40:47



ProjectNo.:RKSA250707003 Tester:Jason Lu  
Date: 18 JUL 2025 12:40:59