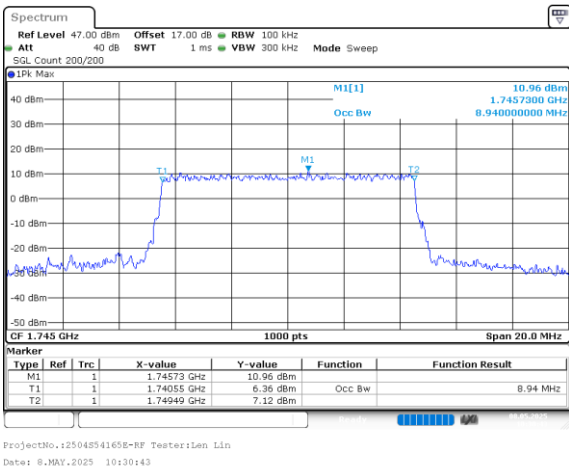
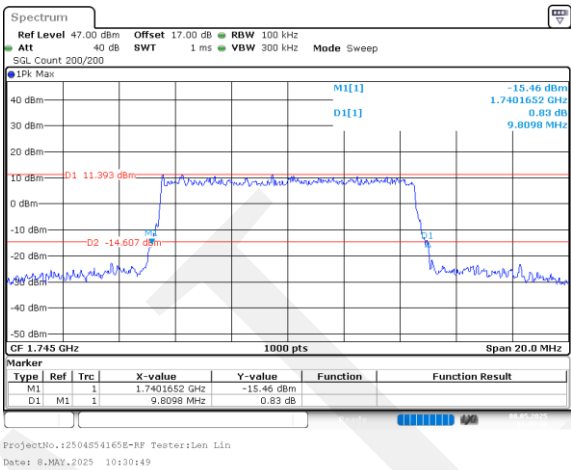


10MHz_Middle_16QAM_50@0

Occupied Bandwidth

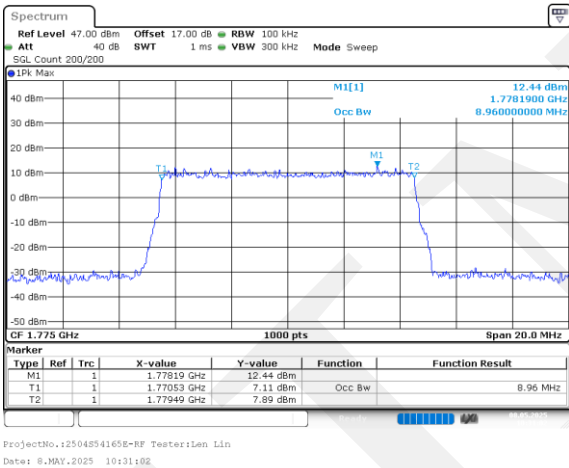


26dB Bandwidth

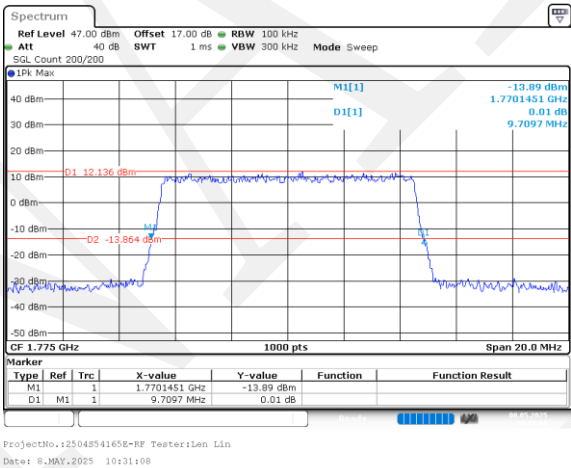


10MHz_High_QPSK_50@0

Occupied Bandwidth

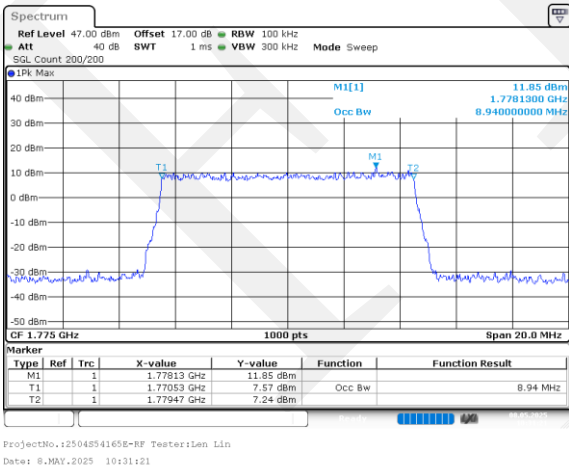


26dB Bandwidth

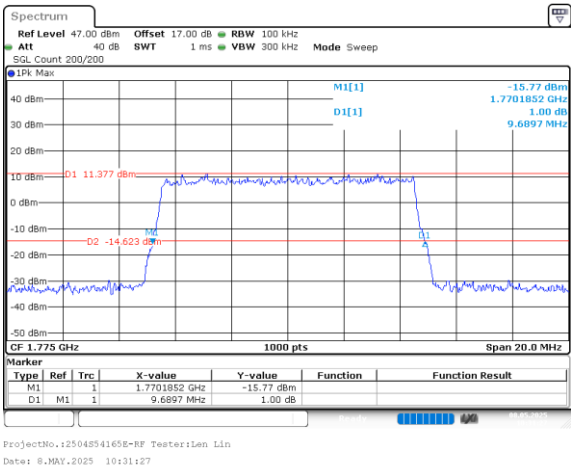


10MHz_High_16QAM_50@0

Occupied Bandwidth



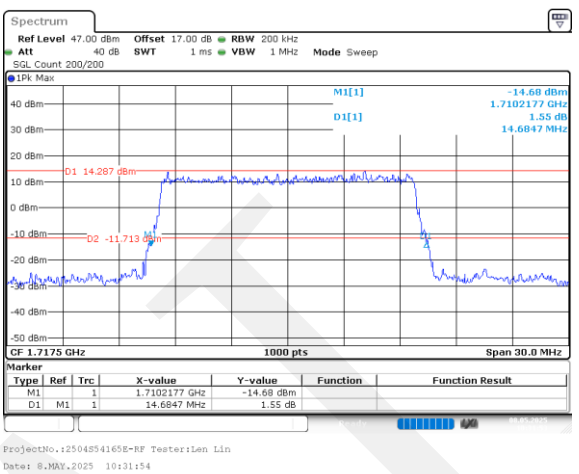
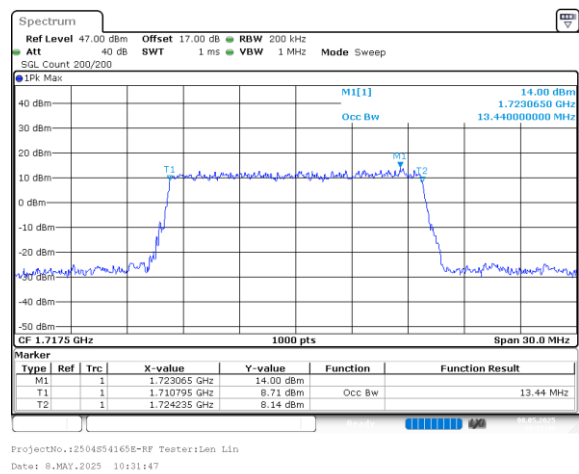
26dB Bandwidth



15MHz_Low_QPSK_75@0

Occupied Bandwidth

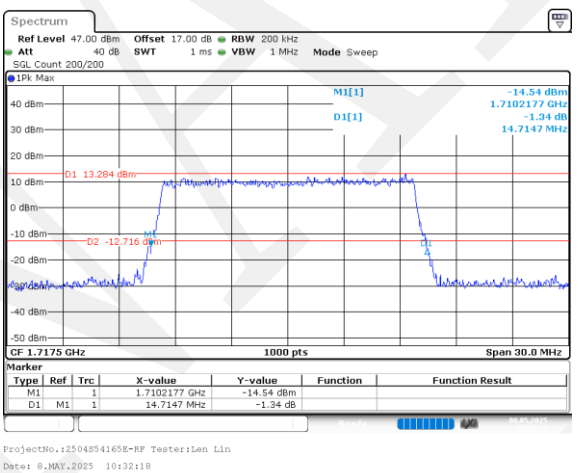
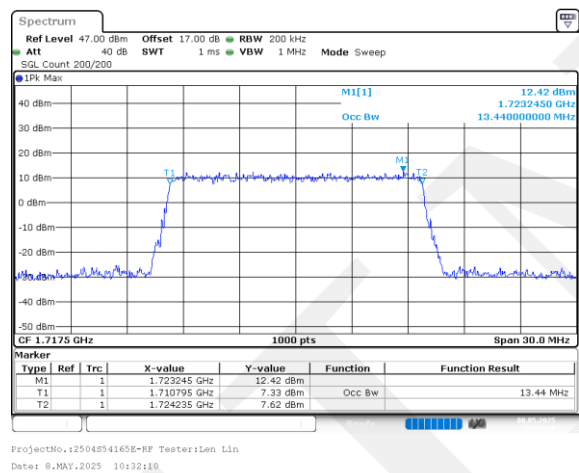
26dB Bandwidth



15MHz_Low_16QAM_75@0

Occupied Bandwidth

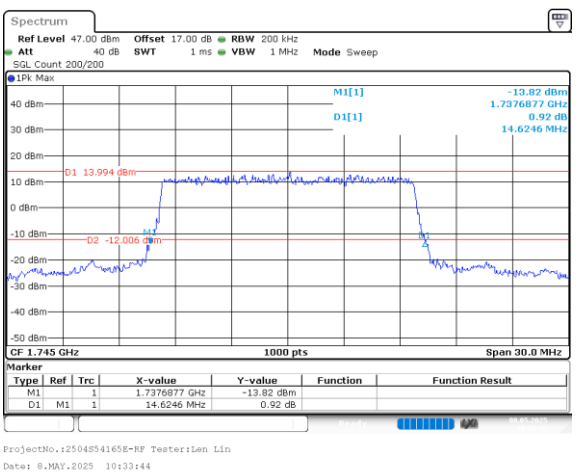
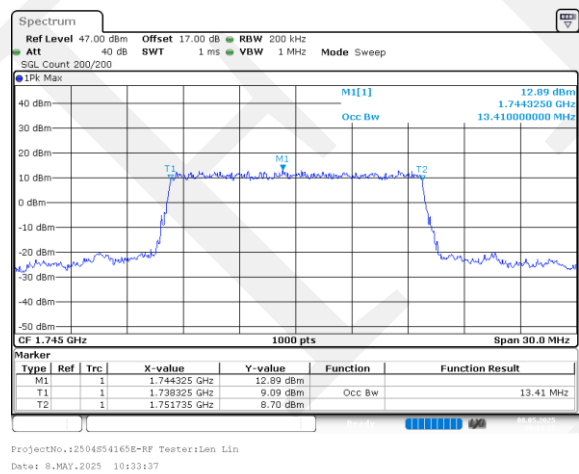
26dB Bandwidth



15MHz_Middle_QPSK_75@0

Occupied Bandwidth

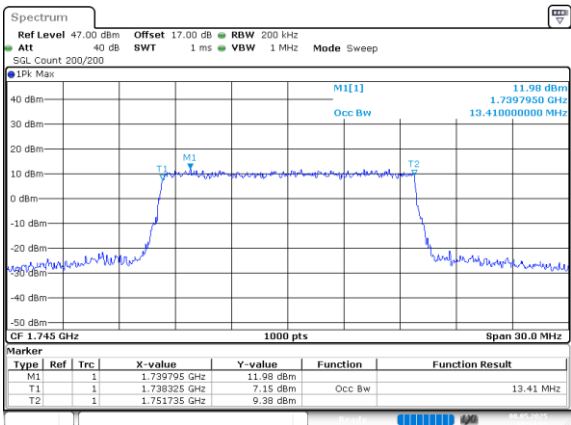
26dB Bandwidth



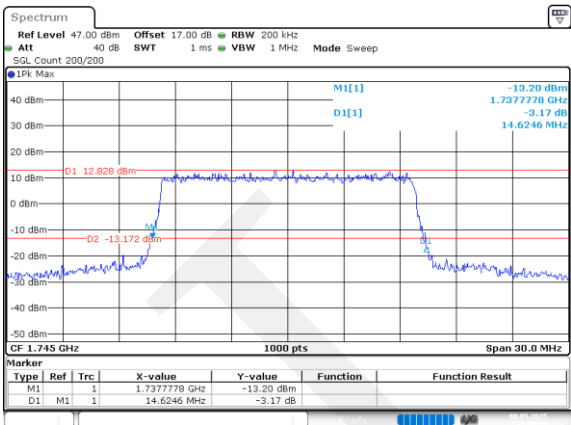
15MHz_Middle_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:34:02

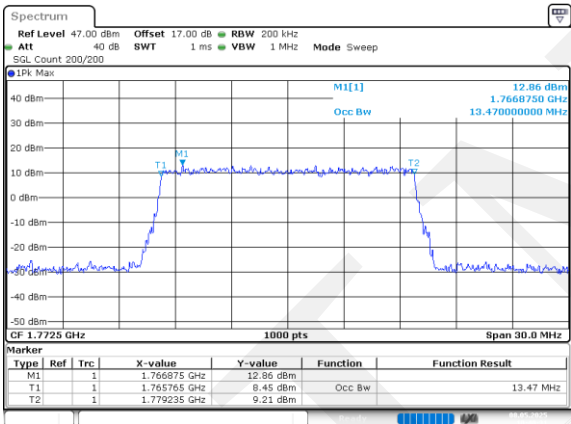


ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:34:08

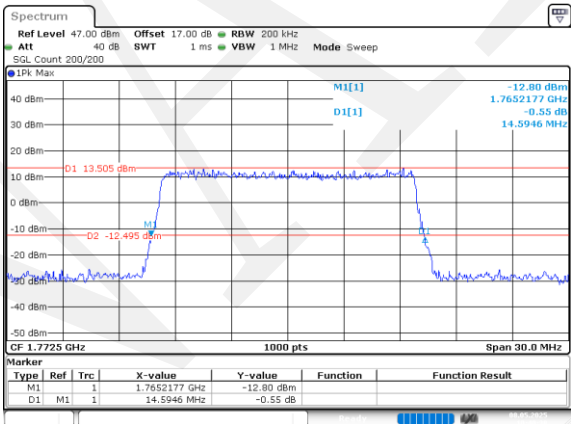
15MHz_High_QPSK_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:40:32

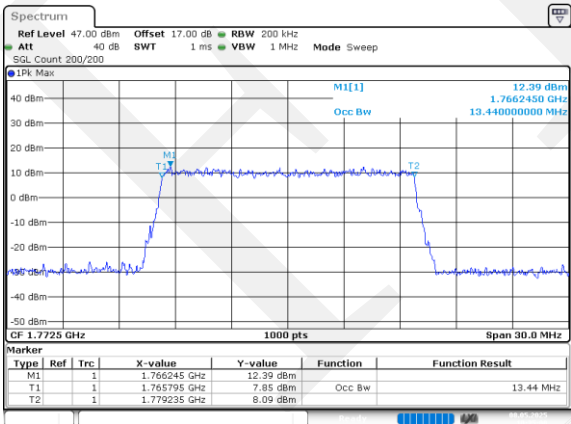


ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:40:38

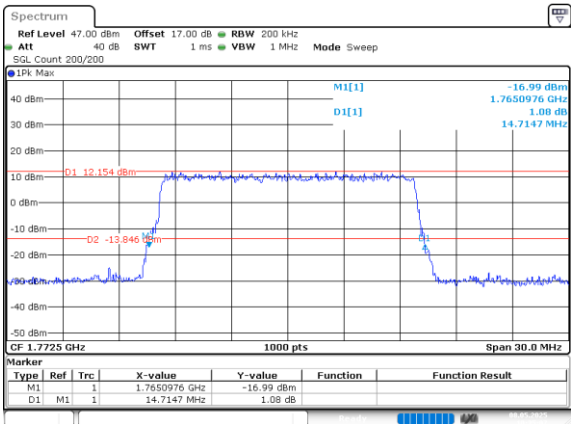
15MHz_High_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:35:01

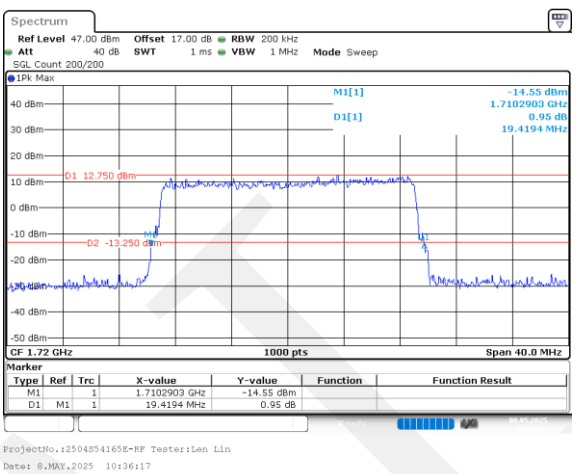
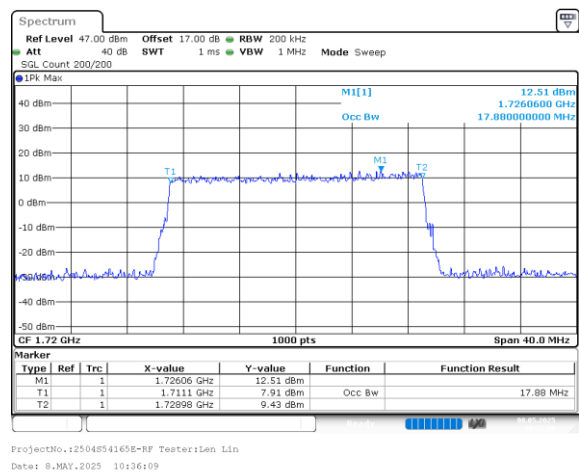


ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:35:07

20MHz_Low_QPSK_100@0

Occupied Bandwidth

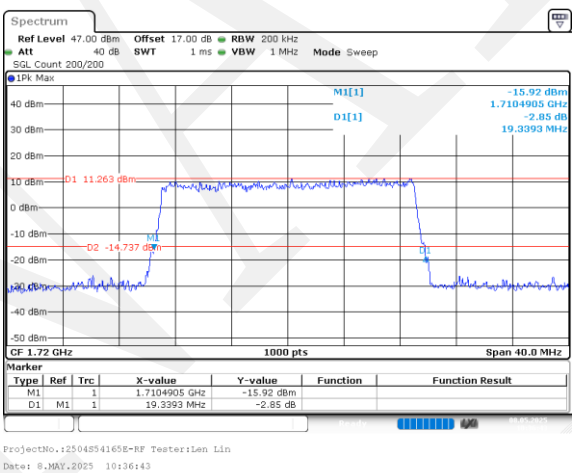
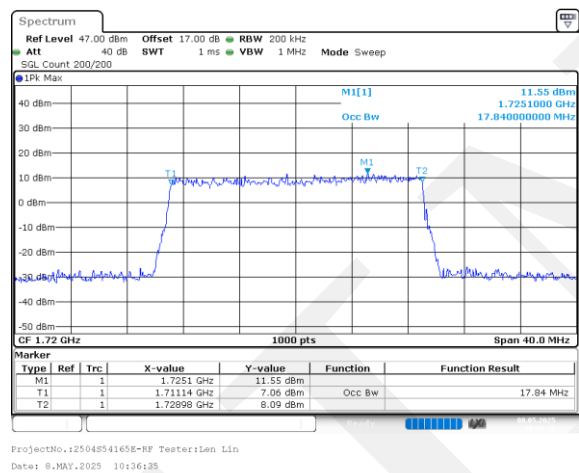
26dB Bandwidth



20MHz_Low_16QAM_100@0

Occupied Bandwidth

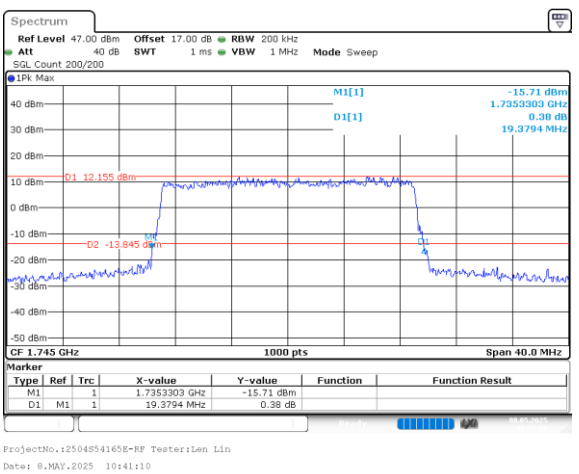
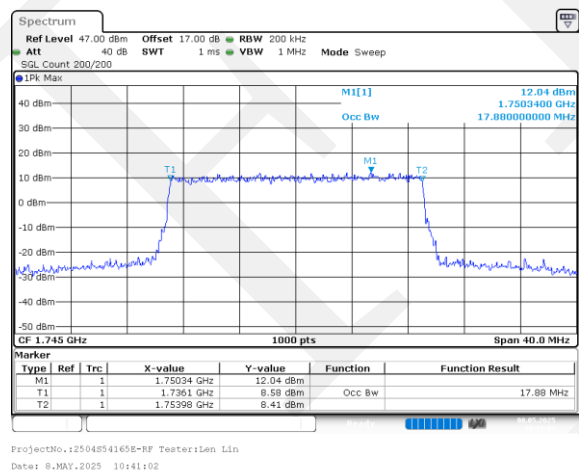
26dB Bandwidth



20MHz_Middle_QPSK_100@0

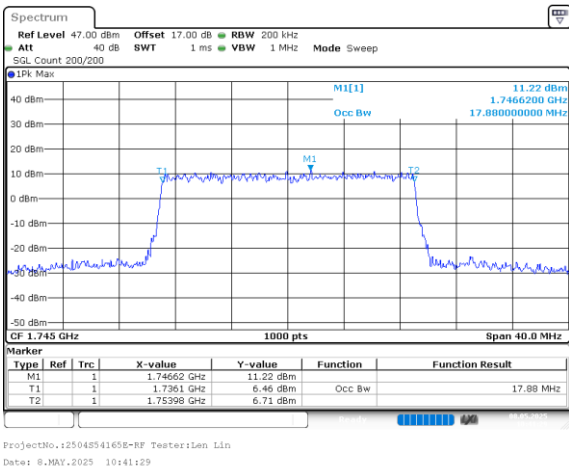
Occupied Bandwidth

26dB Bandwidth

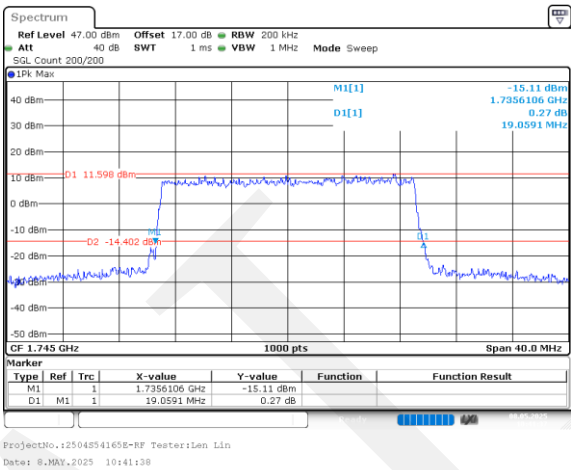


20MHz_Middle_16QAM_100@0

Occupied Bandwidth

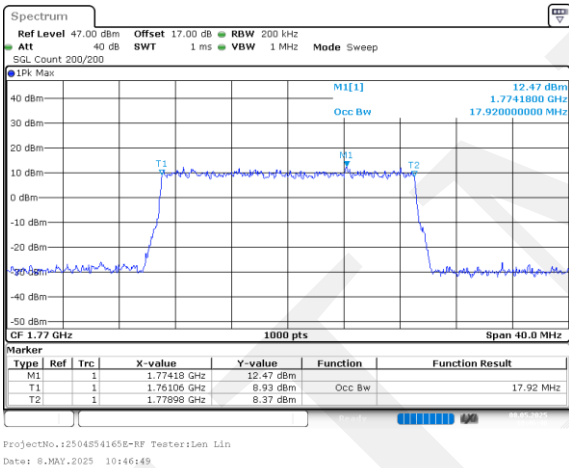


26dB Bandwidth

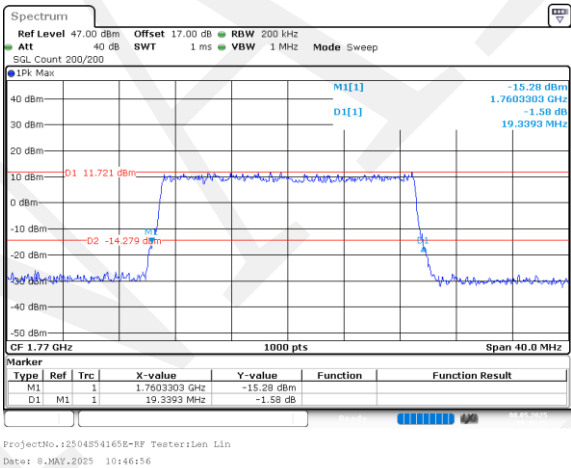


20MHz_High_QPSK_100@0

Occupied Bandwidth

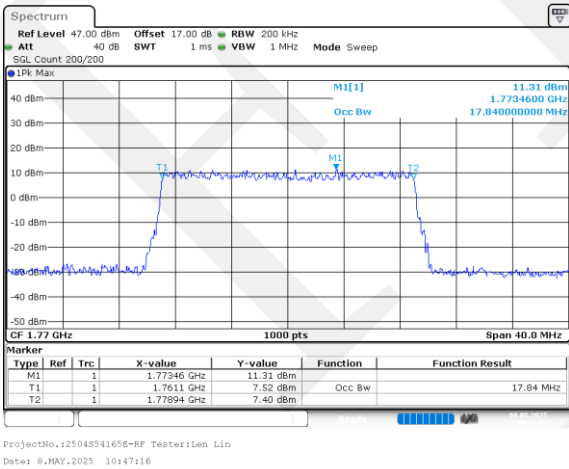


26dB Bandwidth

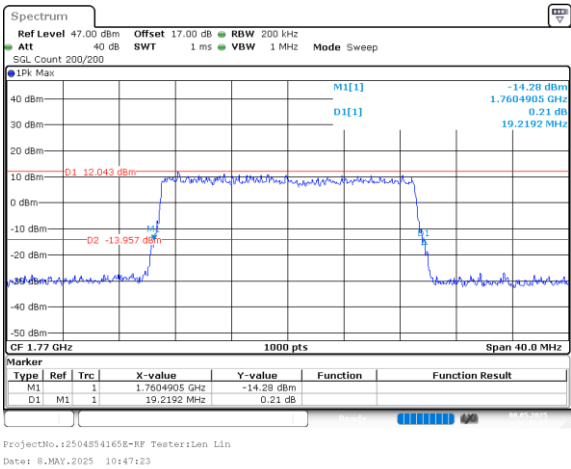


20MHz_High_16QAM_100@0

Occupied Bandwidth



26dB Bandwidth

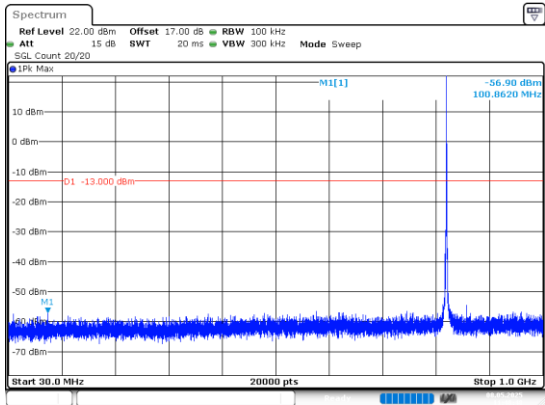


Spurious Emissions at Antenna Terminal

FCC Part 22H

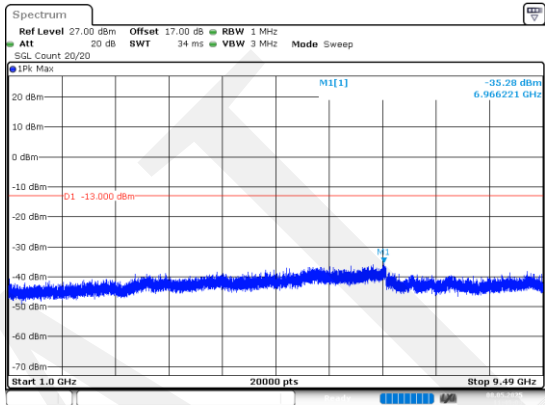
LTE Band 5, Normal
1RB was the worst case

1.4MHz_Low_QPSK_1@0(30MHz~1GHz)



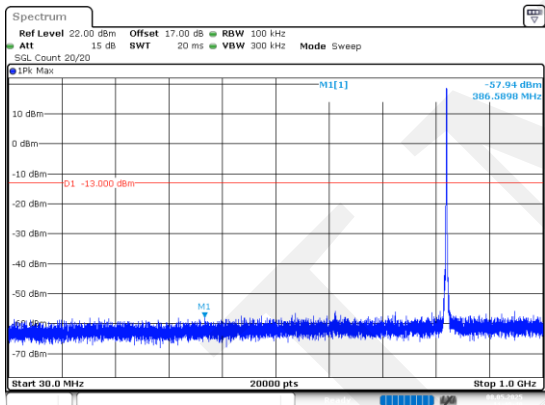
ProjectNo.:2504854165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:48:49

1.4MHz_Low_QPSK_1@0(1GHz~9.49GHz)



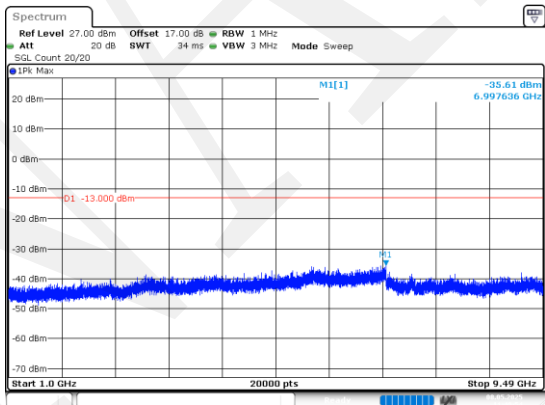
ProjectNo.:2504854165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:49:03

1.4MHz_Low_QPSK_6@0(30MHz~1GHz)



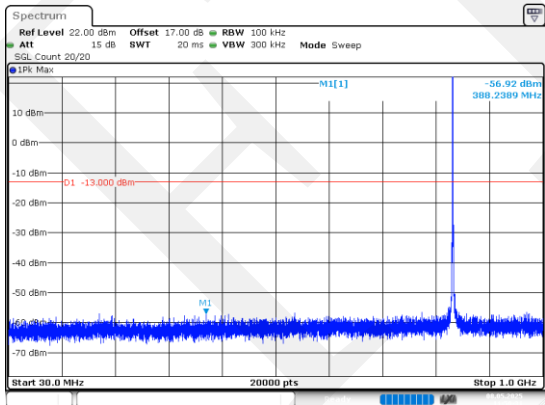
ProjectNo.:2504854165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:49:41

1.4MHz_Low_QPSK_6@0(1GHz~9.49GHz)



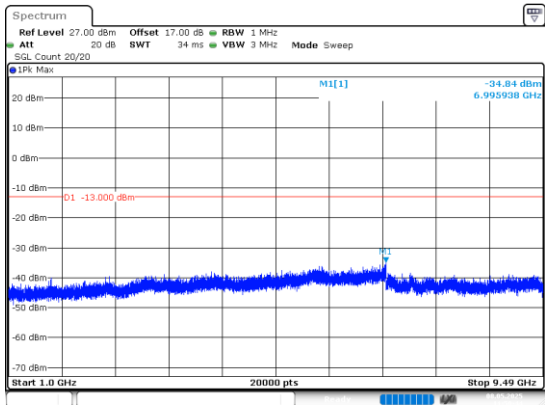
ProjectNo.:2504854165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:49:54

1.4MHz_Middle_QPSK_1@0(30MHz~1GHz)



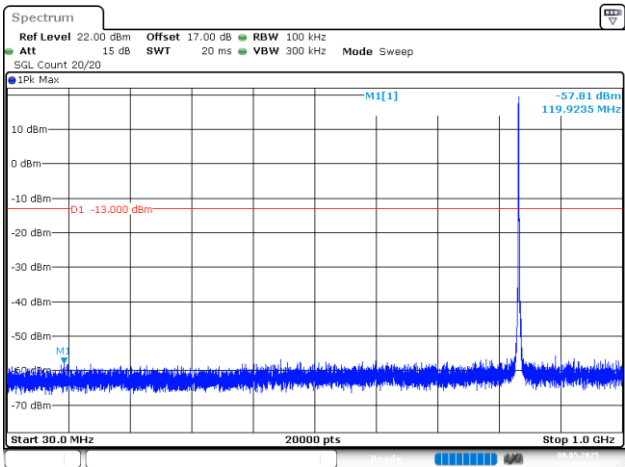
ProjectNo.:2504854165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:50:32

1.4MHz_Middle_QPSK_1@0(1GHz~9.49GHz)



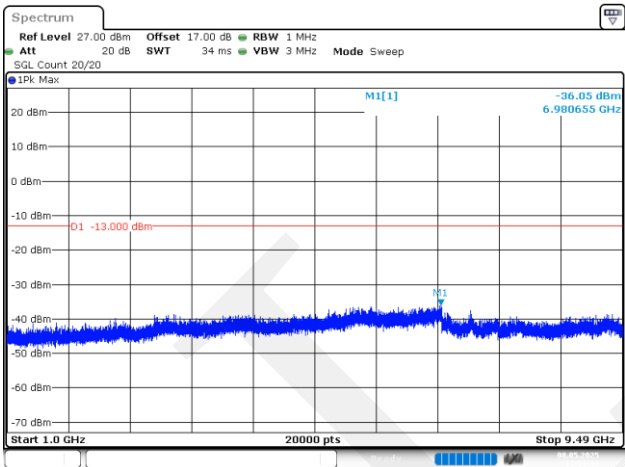
ProjectNo.:2504854165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:50:44

1.4MHz_Middle_QPSK_6@0(30MHz~1GHz)



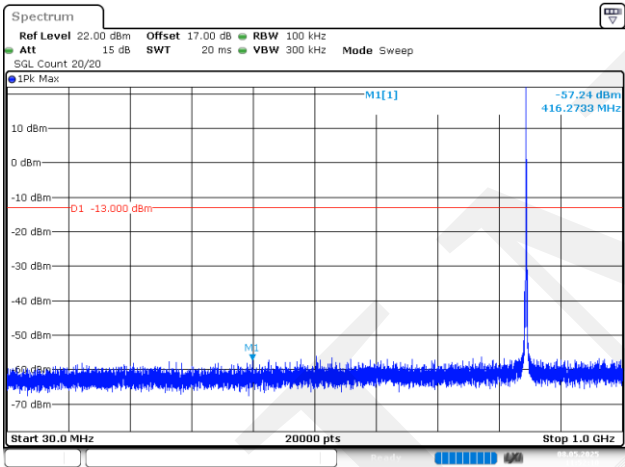
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:51:21

1.4MHz_Middle_QPSK_6@0(1GHz~9.49GHz)



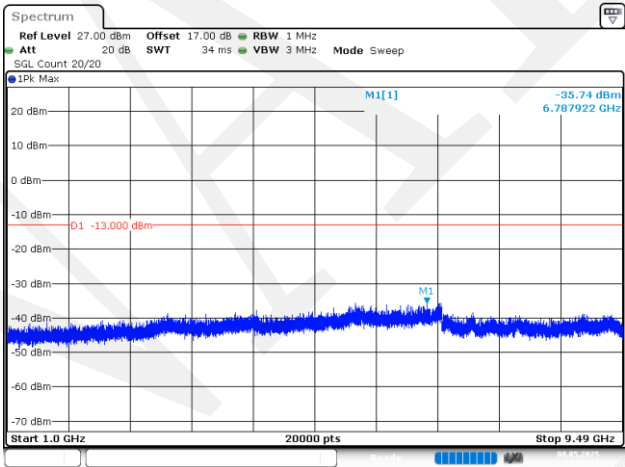
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:51:33

1.4MHz_High_QPSK_1@0(30MHz~1GHz)



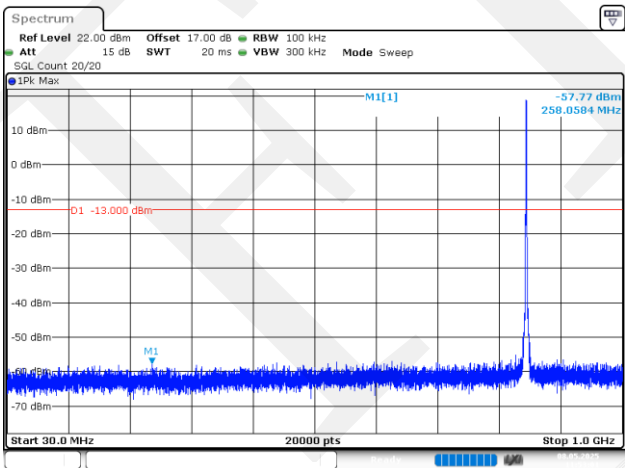
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:52:10

1.4MHz_High_QPSK_1@0(1GHz~9.49GHz)



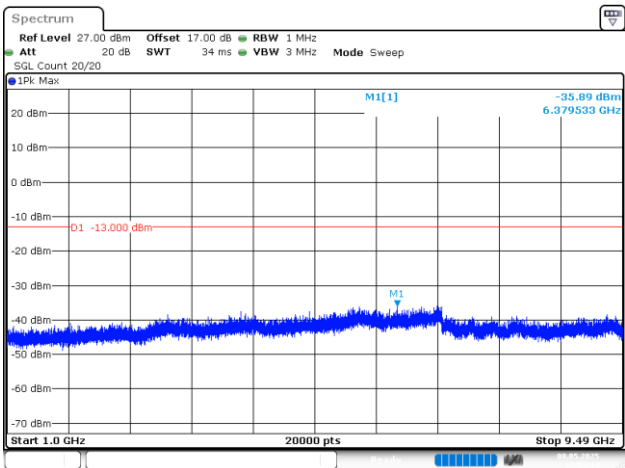
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:52:24

1.4MHz_High_QPSK_6@0(30MHz~1GHz)



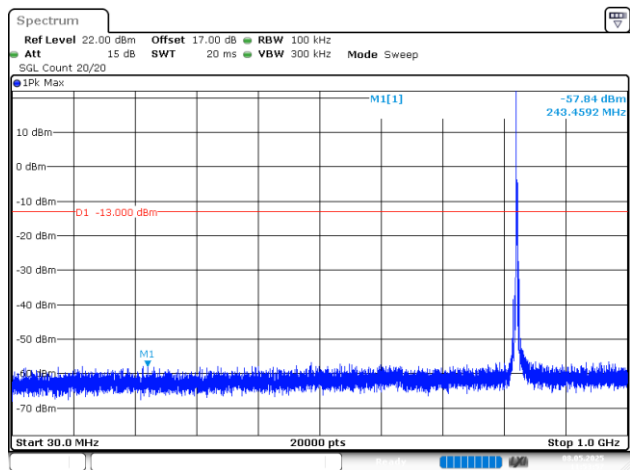
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:53:02

1.4MHz_High_QPSK_6@0(1GHz~9.49GHz)



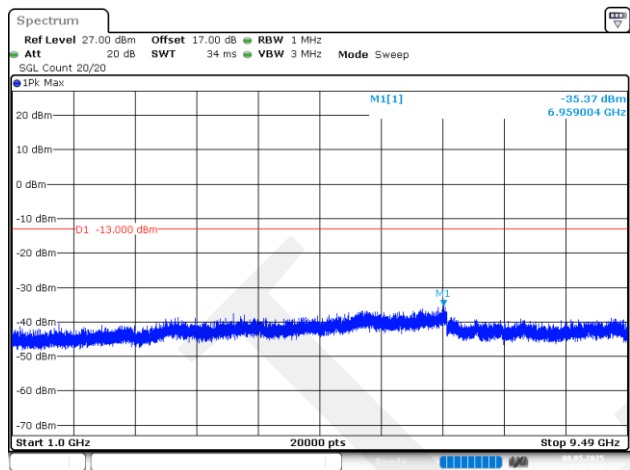
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:53:15

3MHz_Low_QPSK_1@0(30MHz~1GHz)



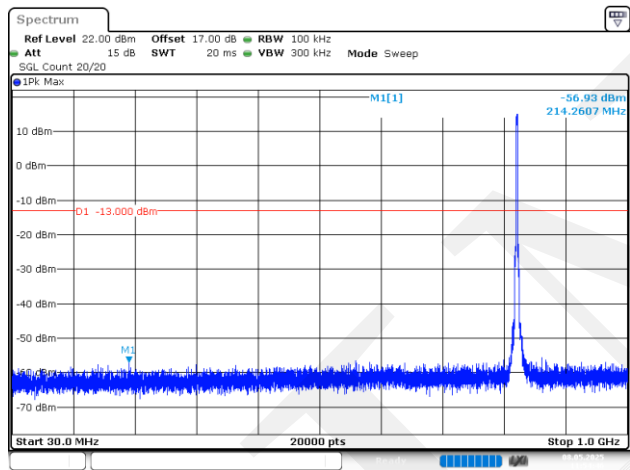
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:53:58

3MHz_Low_QPSK_1@0(1GHz~9.49GHz)



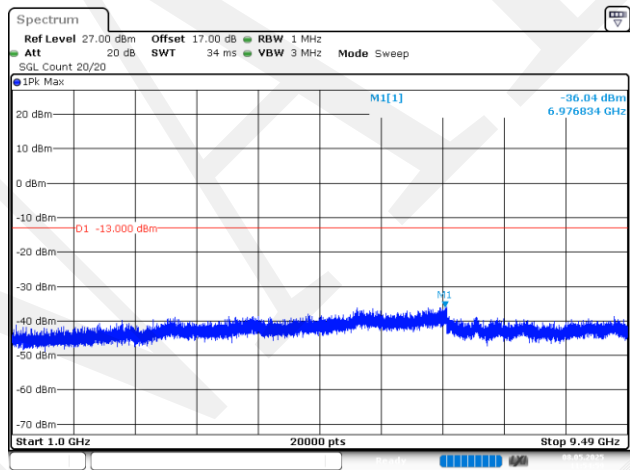
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:54:10

3MHz_Low_QPSK_15@0(30MHz~1GHz)



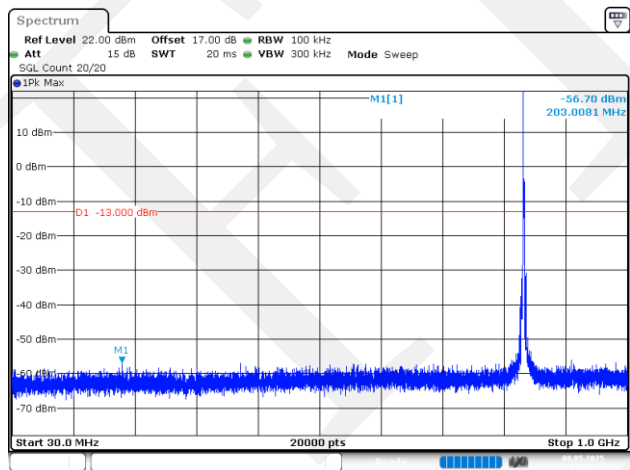
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:54:47

3MHz_Low_QPSK_15@0(1GHz~9.49GHz)



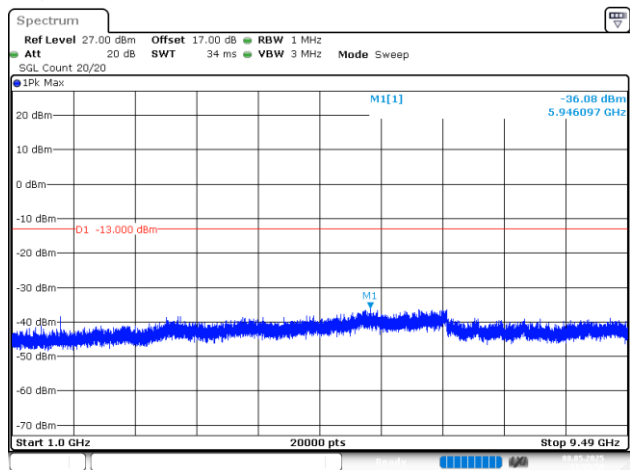
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:55:00

3MHz_Middle_QPSK_1@0(30MHz~1GHz)



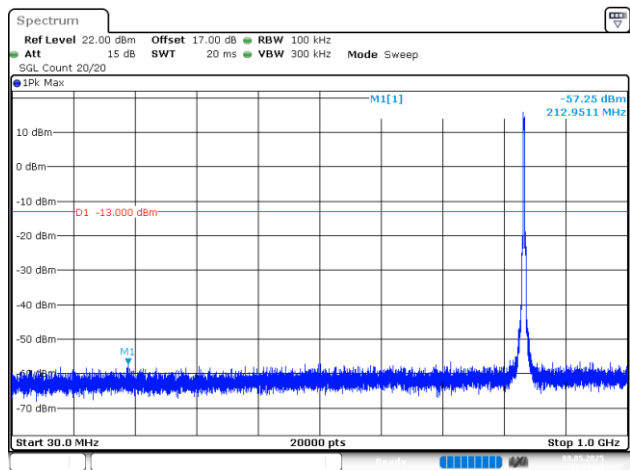
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:55:38

3MHz_Middle_QPSK_1@0(1GHz~9.49GHz)



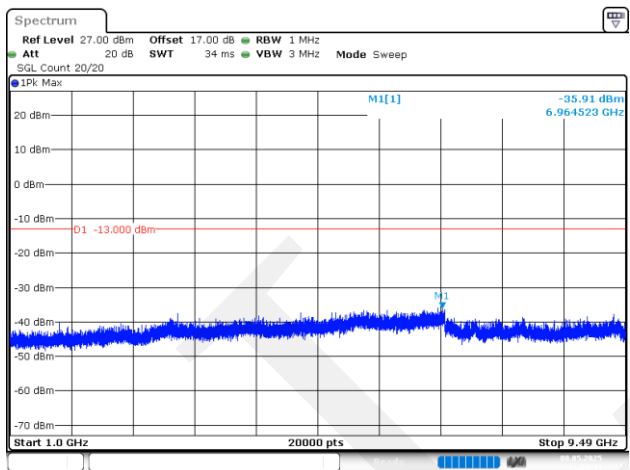
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:55:51

3MHz_Middle_QPSK_15@0(30MHz~1GHz)



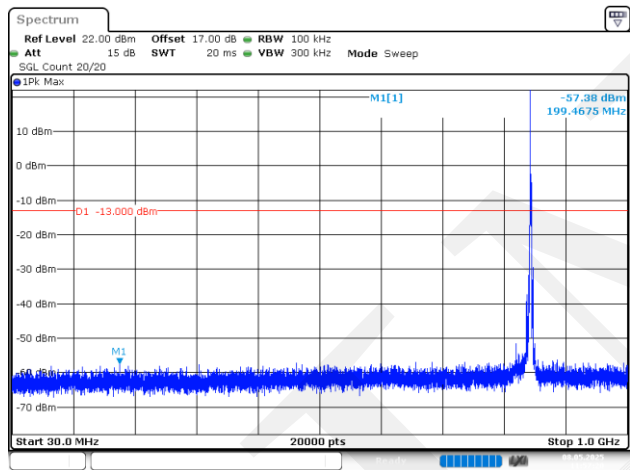
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:56:29

3MHz_Middle_QPSK_15@0(1GHz~9.49GHz)



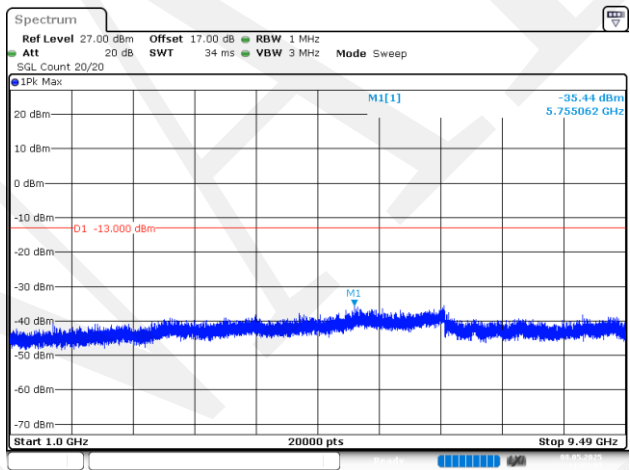
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:56:42

3MHz_High_QPSK_1@0(30MHz~1GHz)



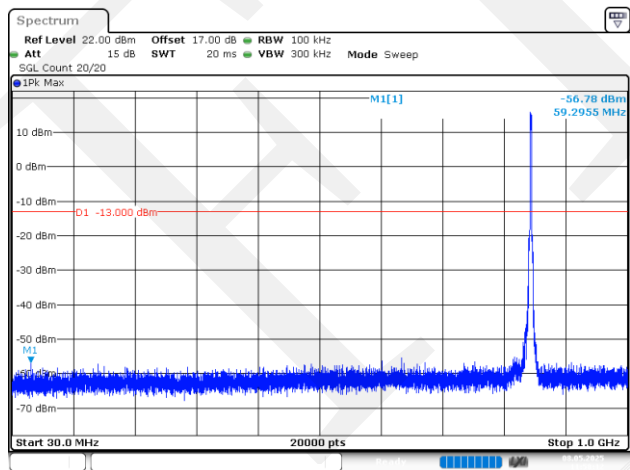
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:57:21

3MHz_High_QPSK_1@0(1GHz~9.49GHz)



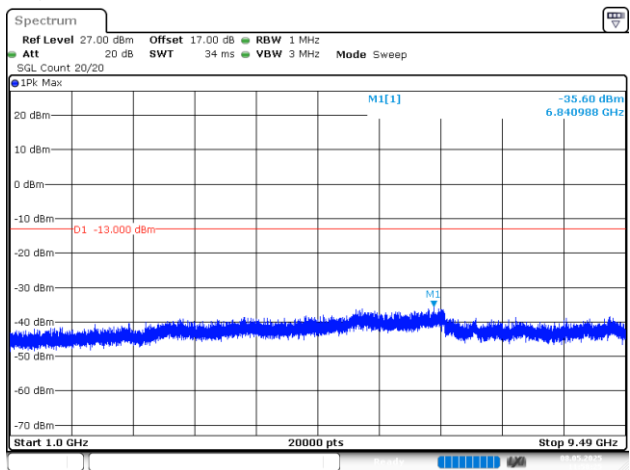
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:57:34

3MHz_High_QPSK_15@0(30MHz~1GHz)



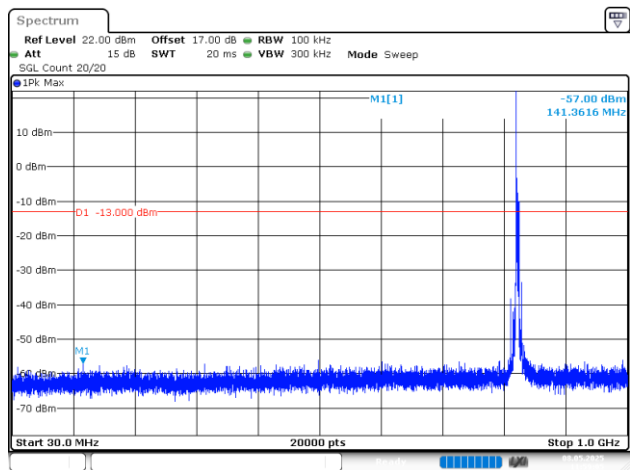
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:58:13

3MHz_High_QPSK_15@0(1GHz~9.49GHz)



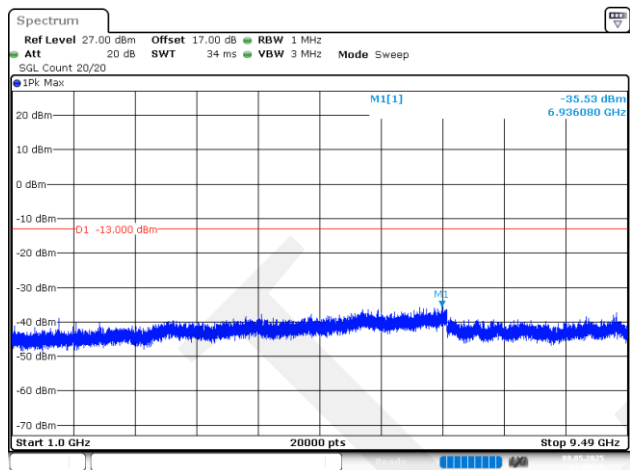
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:58:26

5MHz_Low_QPSK_1@0(30MHz~1GHz)



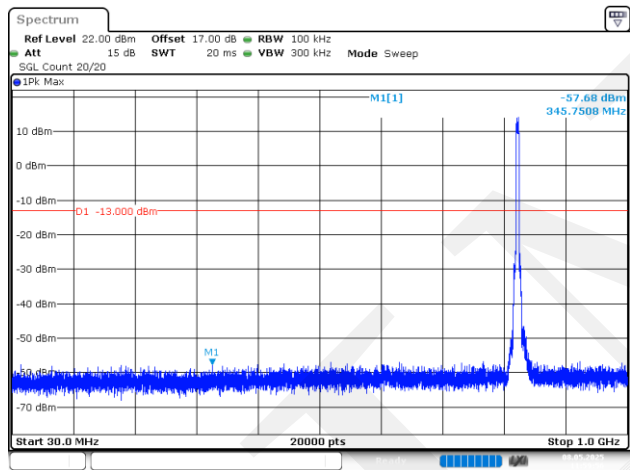
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:59:05

5MHz_Low_QPSK_1@0(1GHz~9.49GHz)



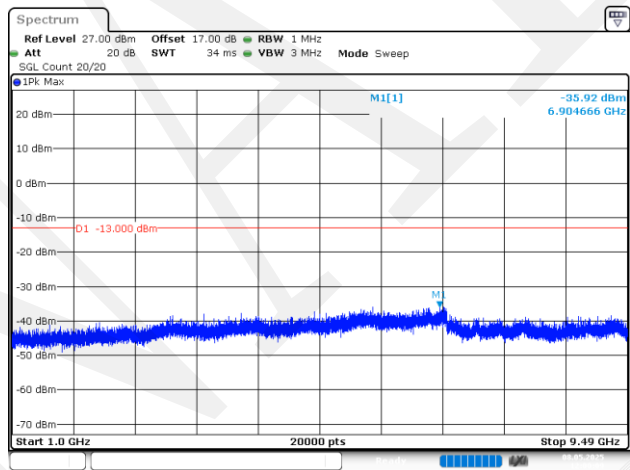
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:59:19

5MHz_Low_QPSK_25@0(30MHz~1GHz)



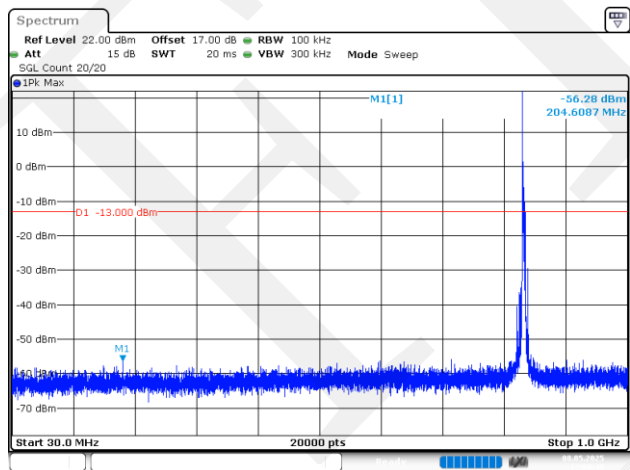
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:59:57

5MHz_Low_QPSK_25@0(1GHz~9.49GHz)



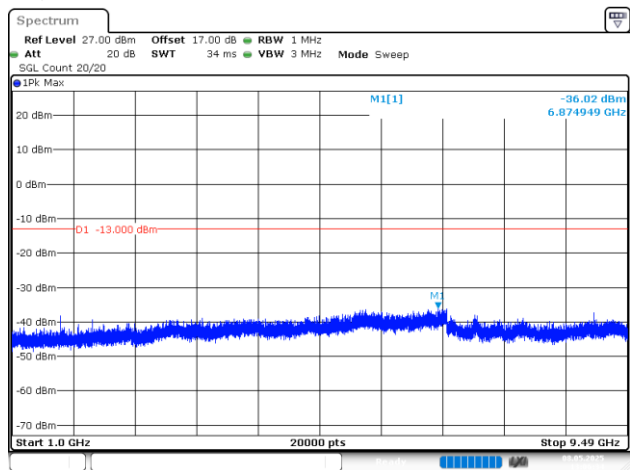
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 12:00:10

5MHz_Middle_QPSK_1@0(30MHz~1GHz)



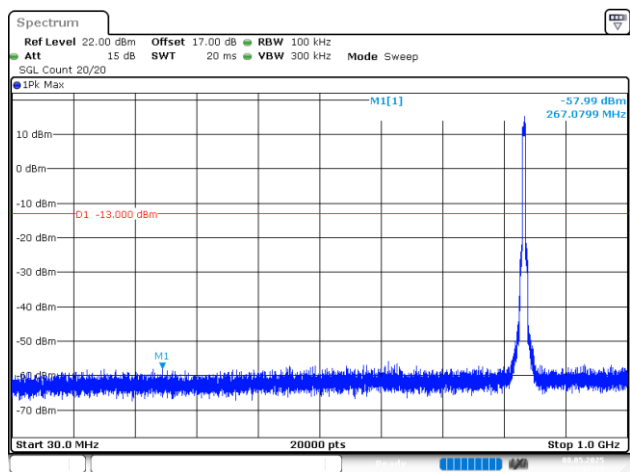
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 12:00:50

5MHz_Middle_QPSK_1@0(1GHz~9.49GHz)



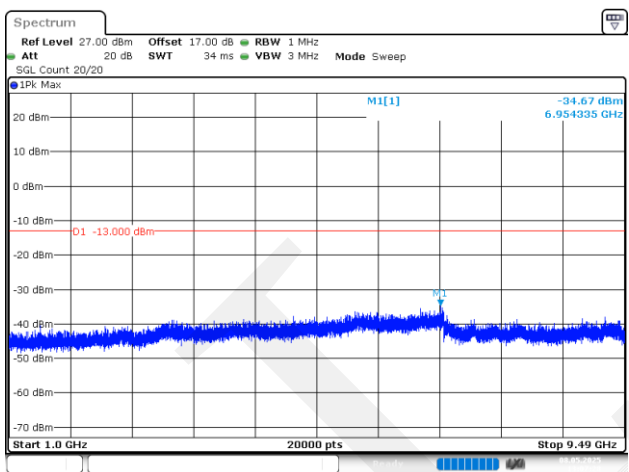
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 13:06:34

5MHz_Middle_QPSK_25@0(30MHz~1GHz)



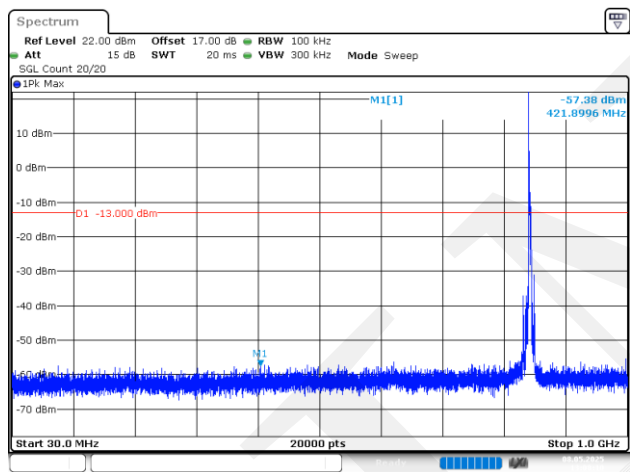
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 13:07:13

5MHz_Middle_QPSK_25@0(1GHz~9.49GHz)



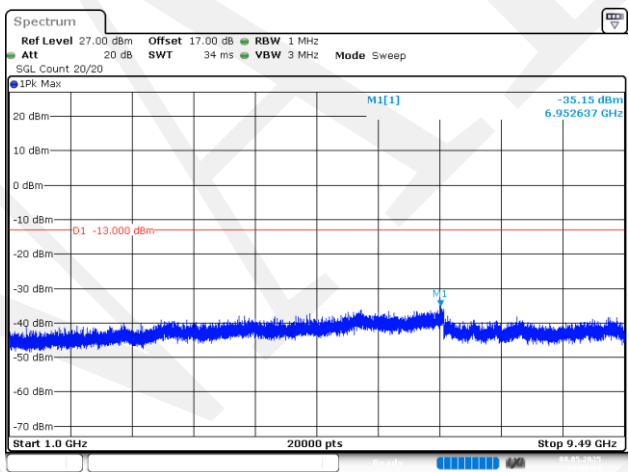
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 13:07:28

5MHz_High_QPSK_1@0(30MHz~1GHz)



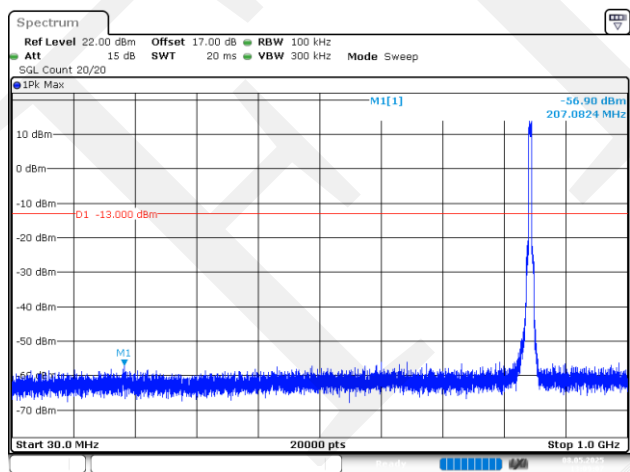
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 13:08:10

5MHz_High_QPSK_1@0(1GHz~9.49GHz)



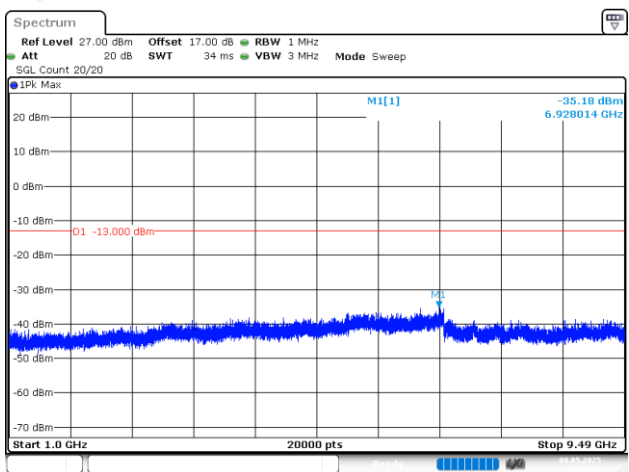
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 13:08:24

5MHz_High_QPSK_25@0(30MHz~1GHz)



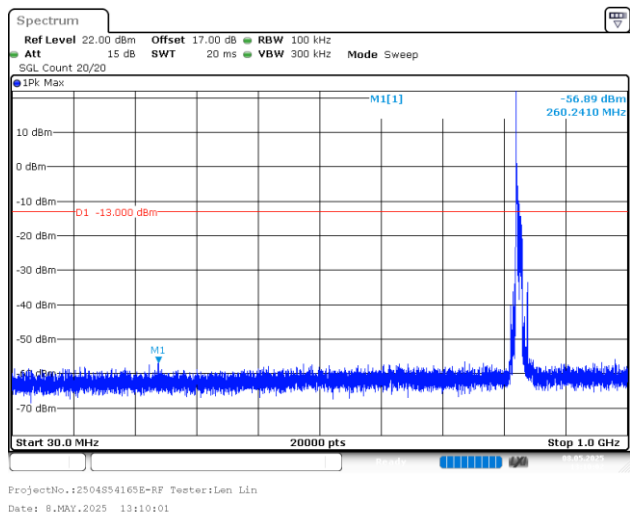
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 13:09:06

5MHz_High_QPSK_25@0(1GHz~9.49GHz)

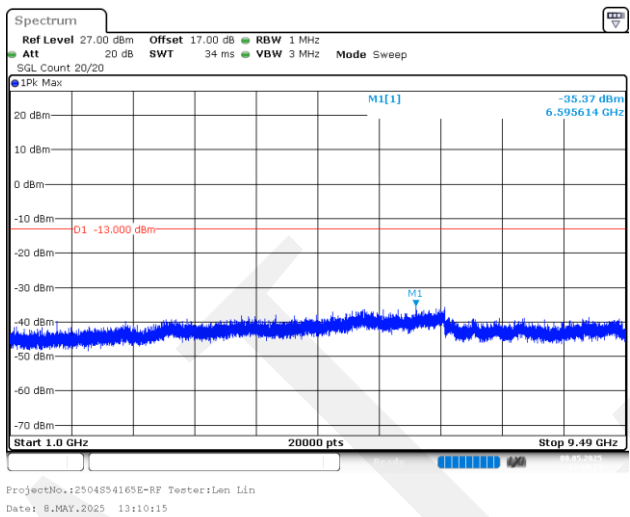


ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 13:09:20

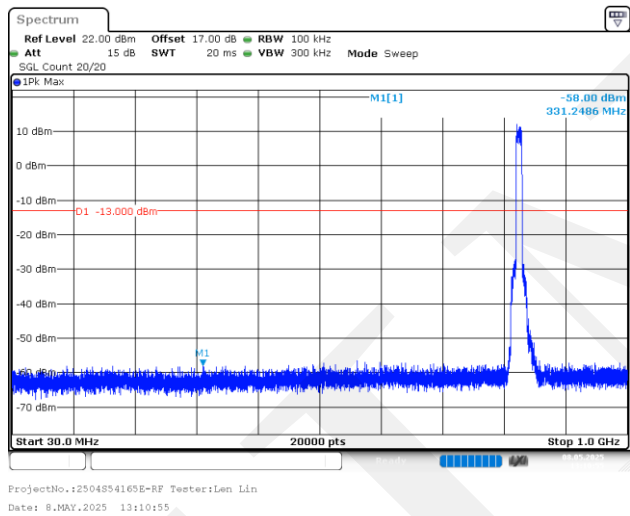
10MHz_Low_QPSK_1@0(30MHz~1GHz)



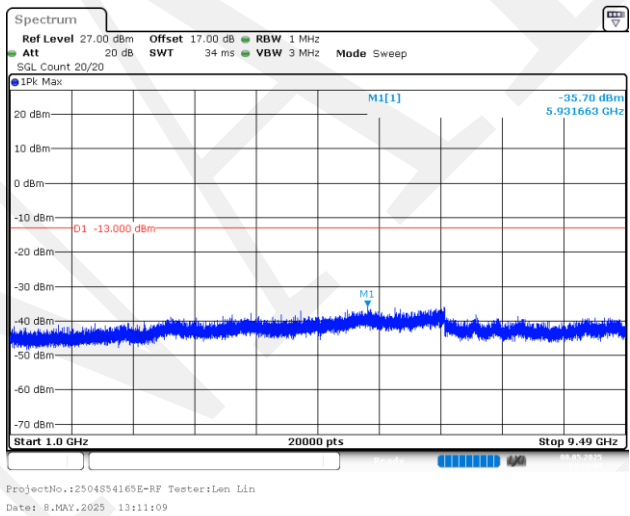
10MHz_Low_QPSK_1@0(1GHz~9.49GHz)



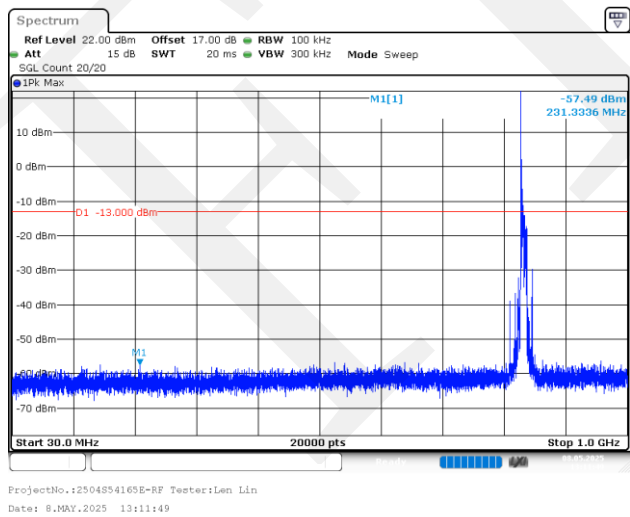
10MHz_Low_QPSK_50@0(30MHz~1GHz)



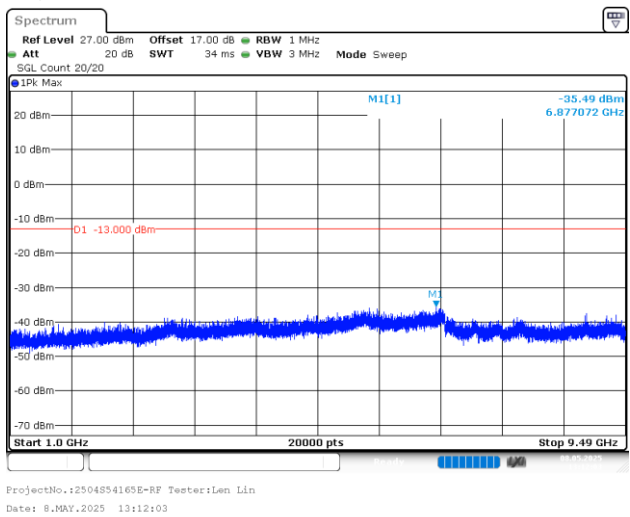
10MHz_Low_QPSK_50@0(1GHz~9.49GHz)



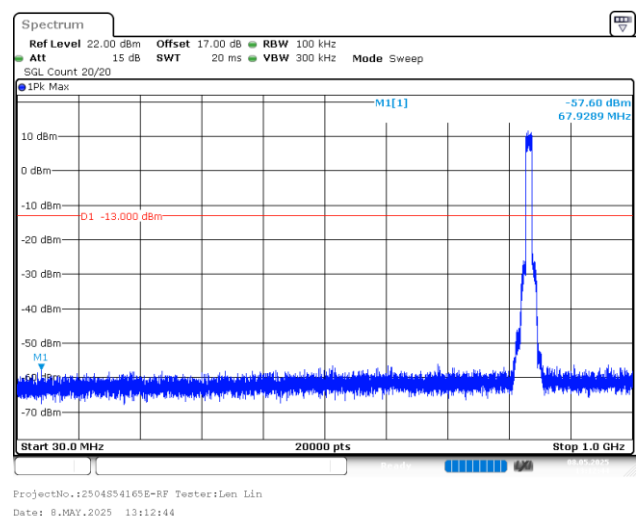
10MHz_Middle_QPSK_1@0(30MHz~1GHz)



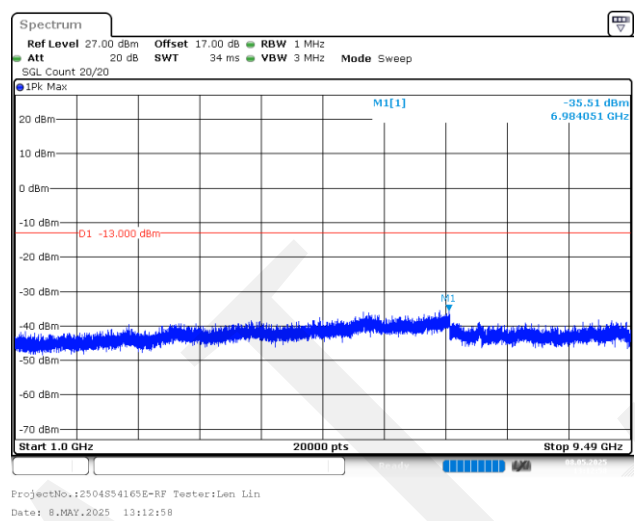
10MHz_Middle_QPSK_1@0(1GHz~9.49GHz)



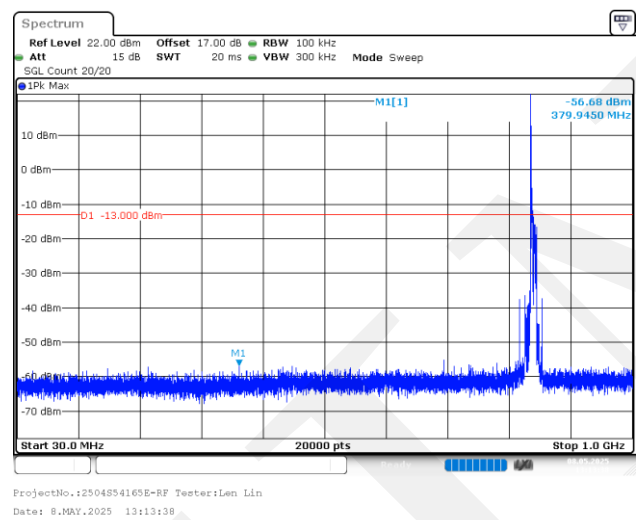
10MHz_Middle_QPSK_50@0(30MHz~1GHz)



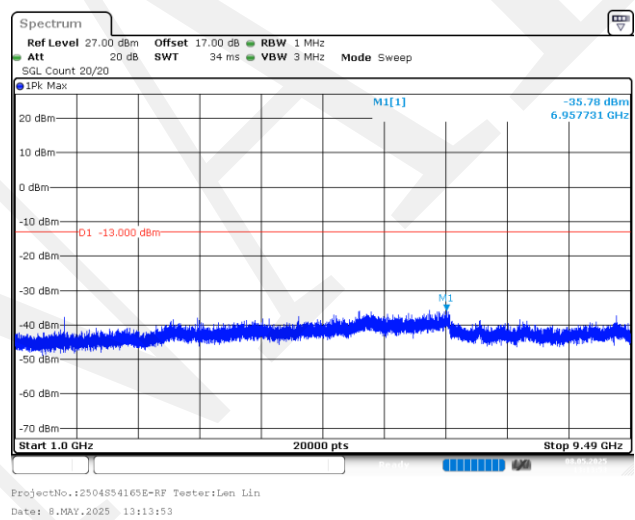
10MHz_Middle_QPSK_50@0(1GHz~9.49GHz)



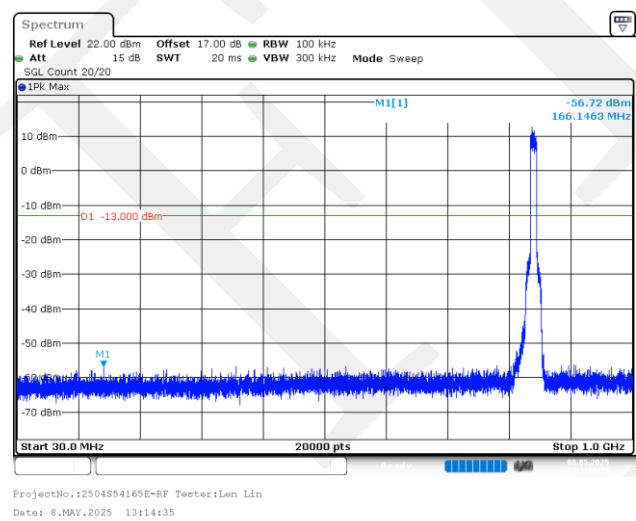
10MHz_High_QPSK_1@0(30MHz~1GHz)



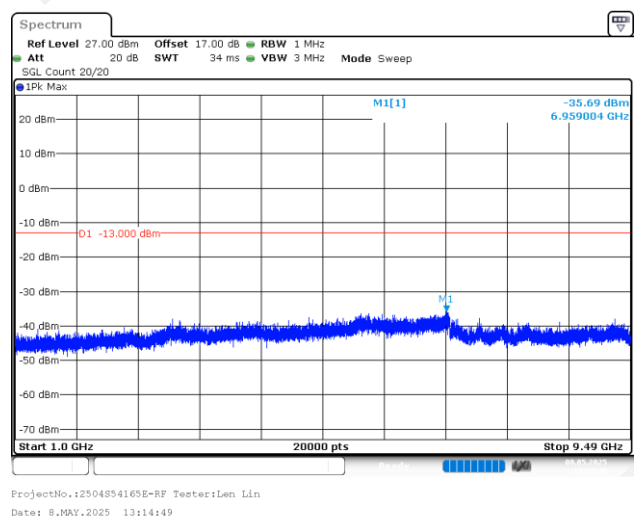
10MHz_High_QPSK_1@0(1GHz~9.49GHz)



10MHz_High_QPSK_50@0(30MHz~1GHz)



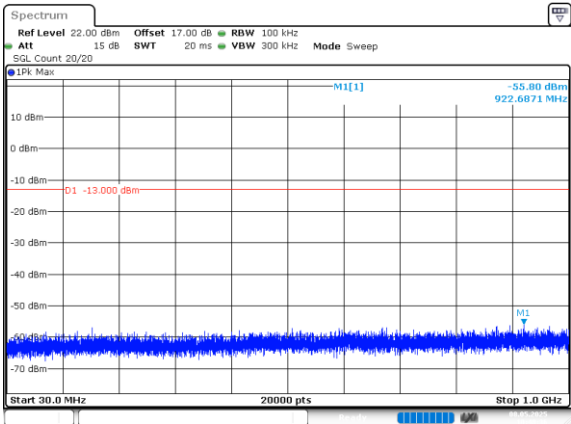
10MHz_High_QPSK_50@0(1GHz~9.49GHz)



FCC Part 24E

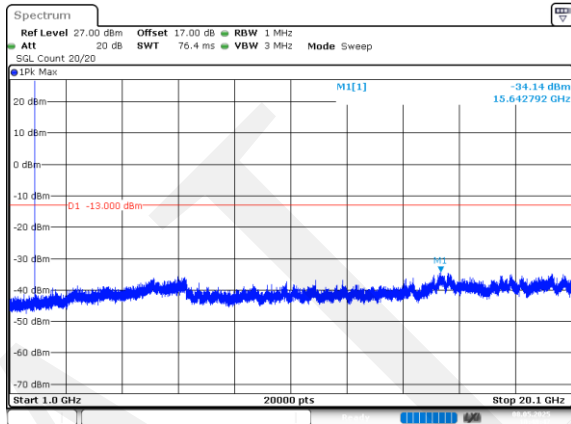
LTE Band 2, Normal
1RB was the worst case

1.4MHz_Low_QPSK_1@0(30MHz~1GHz)



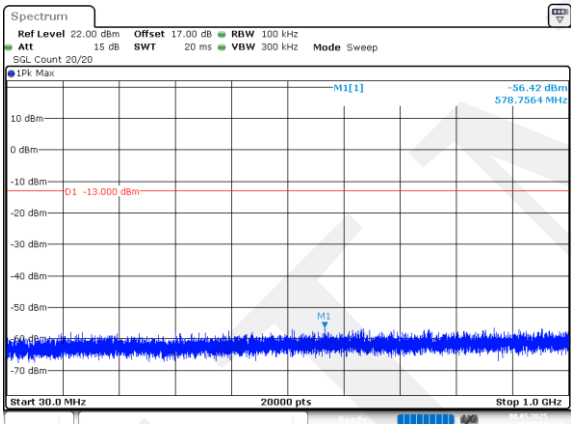
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:48:37

1.4MHz_Low_QPSK_1@0(1GHz~20.1GHz)



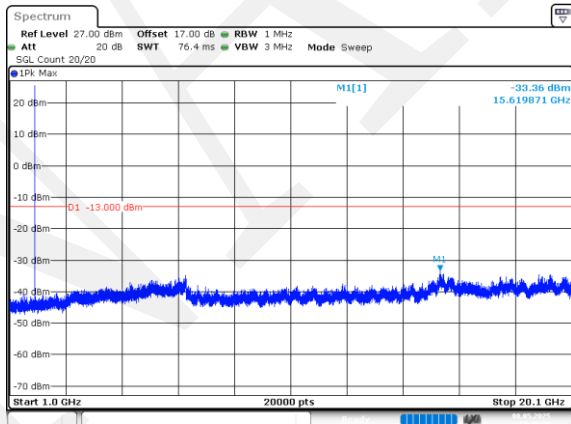
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:48:48

1.4MHz_Low_QPSK_6@0(30MHz~1GHz)



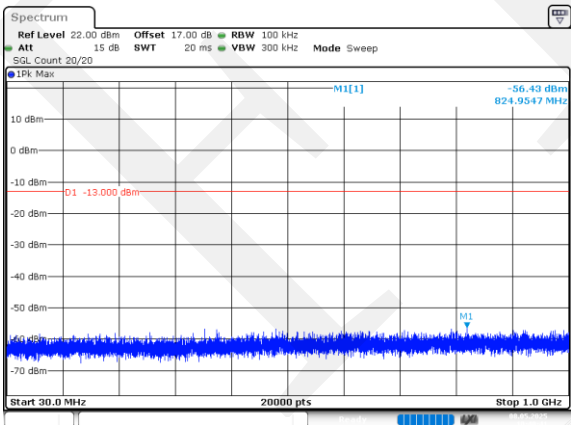
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:49:09

1.4MHz_Low_QPSK_6@0(1GHz~20.1GHz)



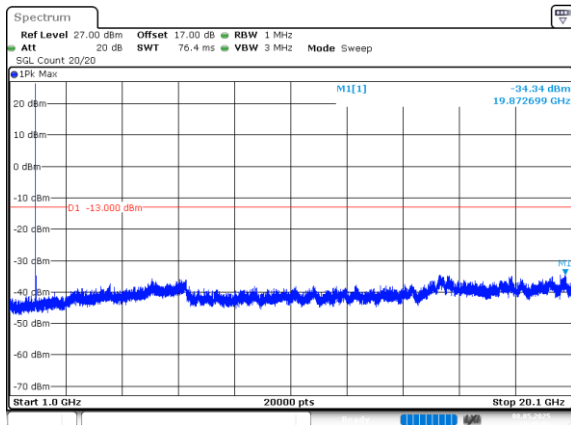
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:49:20

1.4MHz_Middle_QPSK_1@0(30MHz~1GHz)



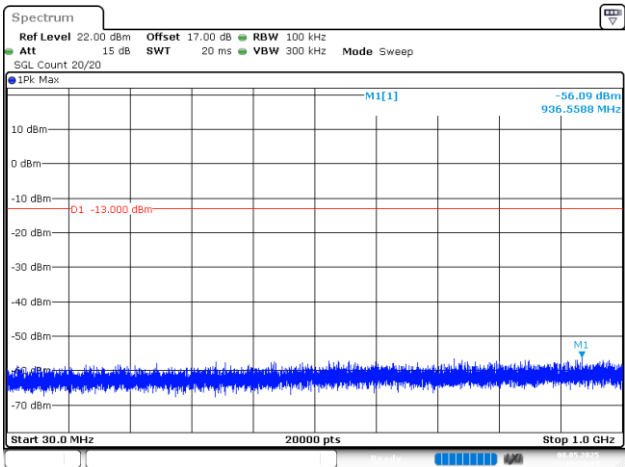
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:49:42

1.4MHz_Middle_QPSK_1@0(1GHz~20.1GHz)



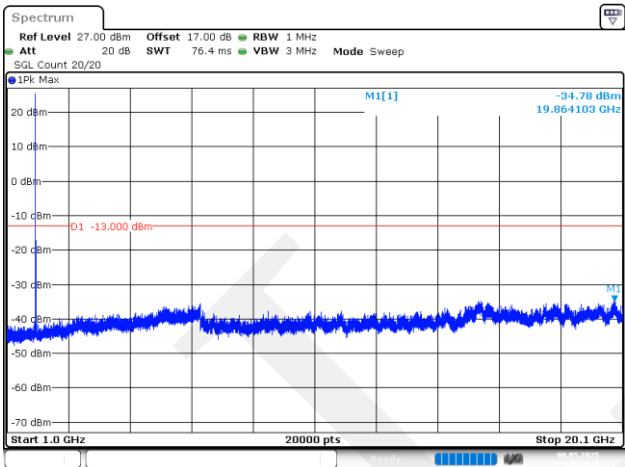
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:49:53

1.4MHz_Middle_QPSK_6@0(30MHz~1GHz)



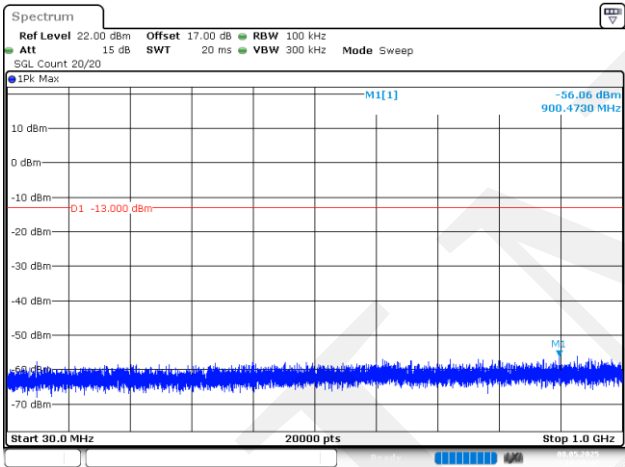
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:50:14

1.4MHz_Middle_QPSK_6@0(1GHz~20.1GHz)



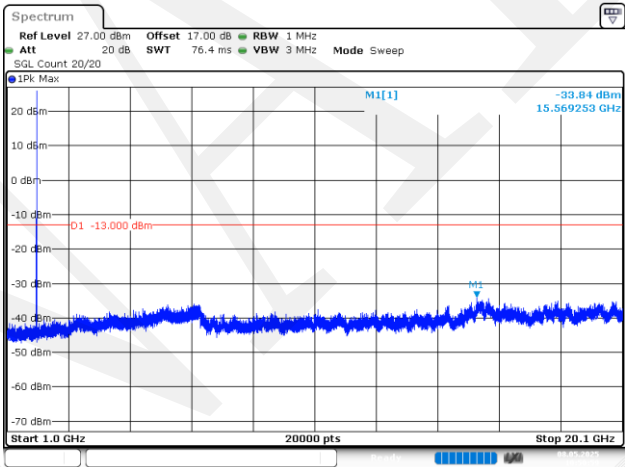
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:50:26

1.4MHz_High_QPSK_1@0(30MHz~1GHz)



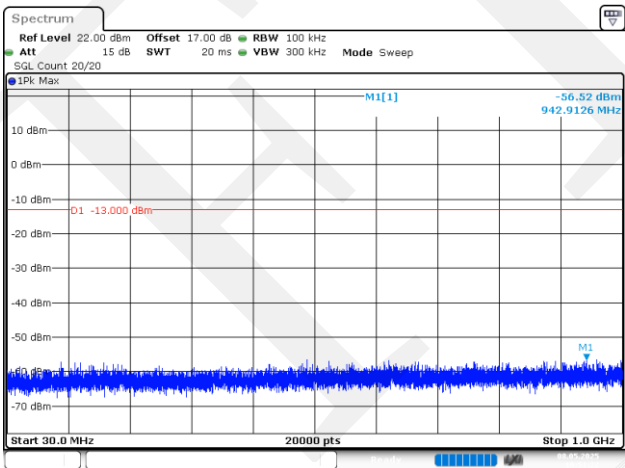
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:50:48

1.4MHz_High_QPSK_1@0(1GHz~20.1GHz)



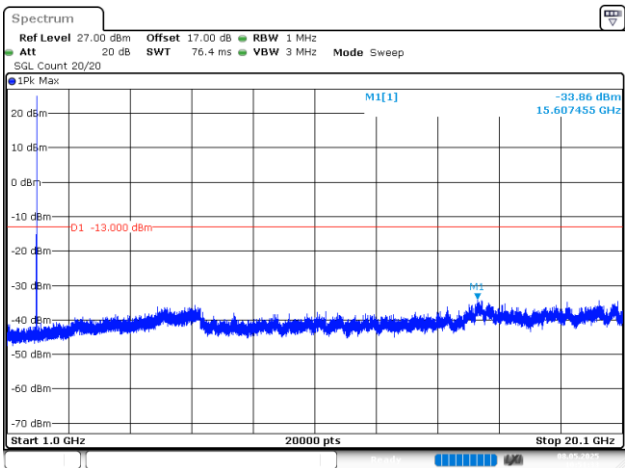
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:51:00

1.4MHz_High_QPSK_6@0(30MHz~1GHz)



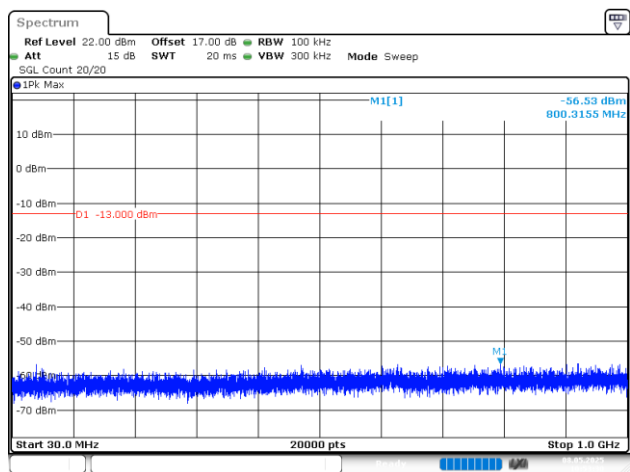
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:51:23

1.4MHz_High_QPSK_6@0(1GHz~20.1GHz)



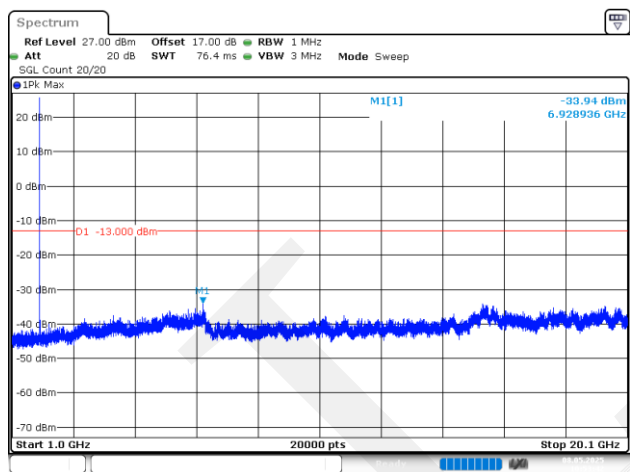
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:51:34

3MHz_Low_QPSK_1@0(30MHz~1GHz)



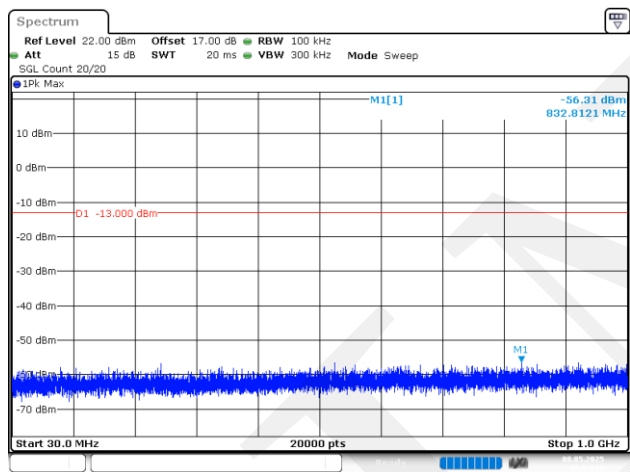
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:53:31

3MHz_Low_QPSK_1@0(1GHz~20.1GHz)



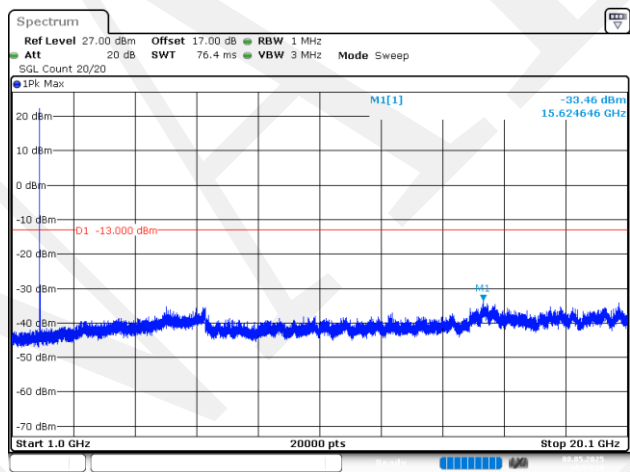
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:53:43

3MHz_Low_QPSK_15@0(30MHz~1GHz)



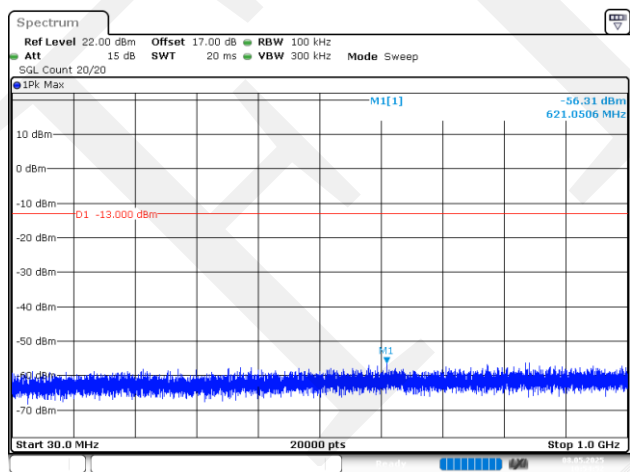
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:54:19

3MHz_Low_QPSK_15@0(1GHz~20.1GHz)



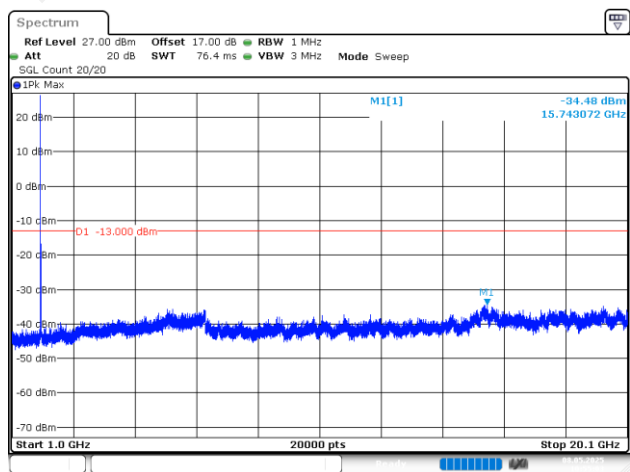
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:54:30

3MHz_Middle_QPSK_1@0(30MHz~1GHz)



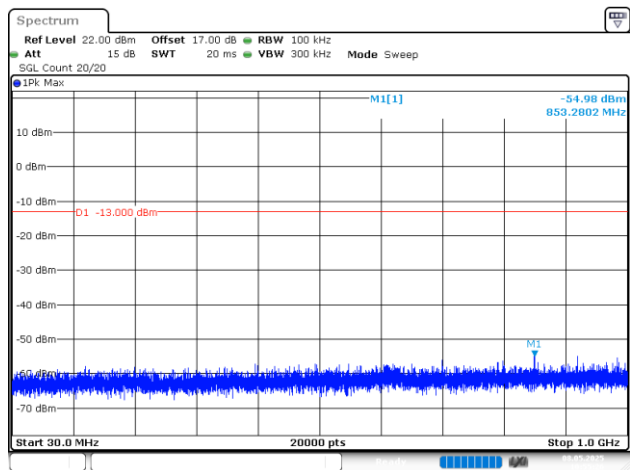
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:54:53

3MHz_Middle_QPSK_1@0(1GHz~20.1GHz)



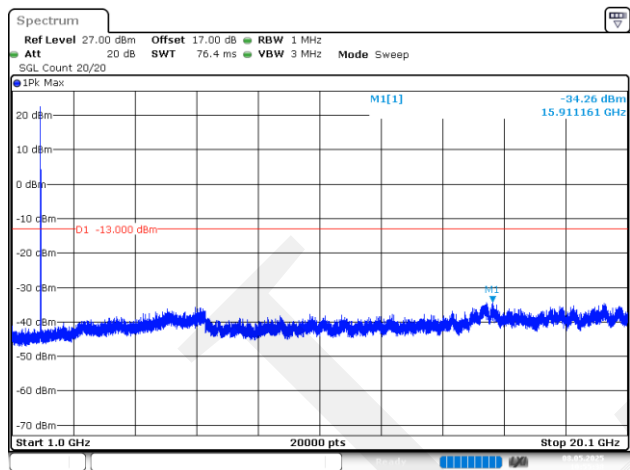
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:55:04

3MHz_Middle_QPSK_15@0(30MHz~1GHz)



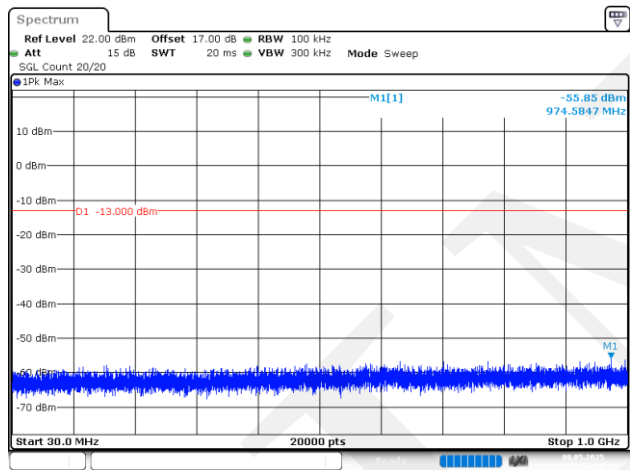
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:55:27

3MHz_Middle_QPSK_15@0(1GHz~20.1GHz)



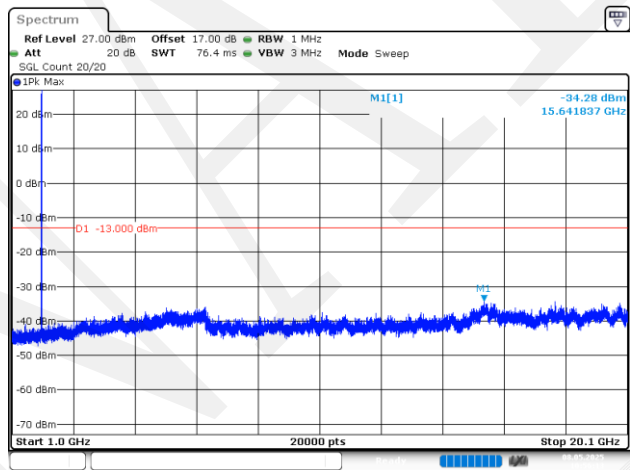
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:55:38

3MHz_High_QPSK_1@0(30MHz~1GHz)



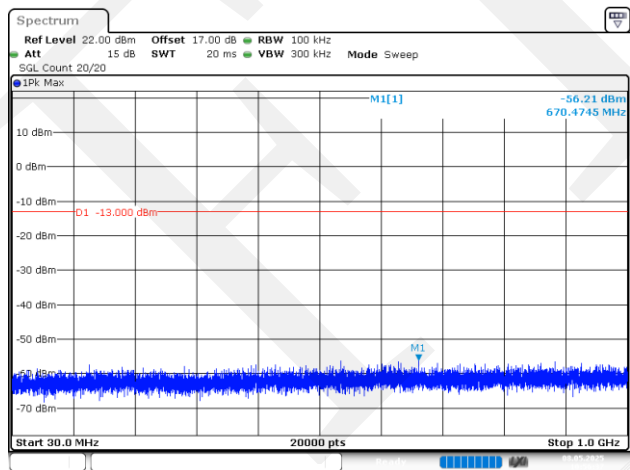
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:56:01

3MHz_High_QPSK_1@0(1GHz~20.1GHz)



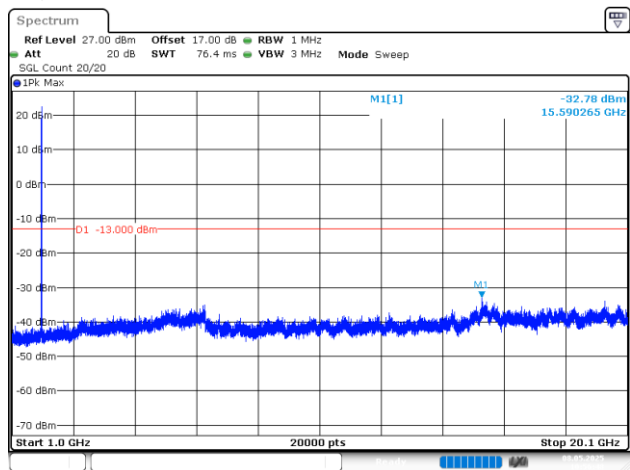
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:56:13

3MHz_High_QPSK_15@0(30MHz~1GHz)



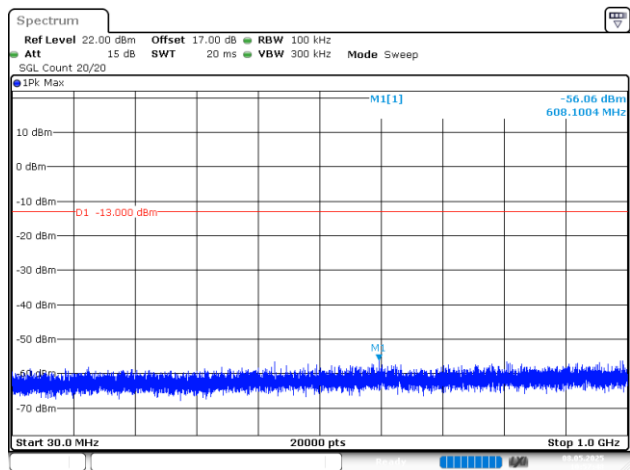
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:56:37

3MHz_High_QPSK_15@0(1GHz~20.1GHz)



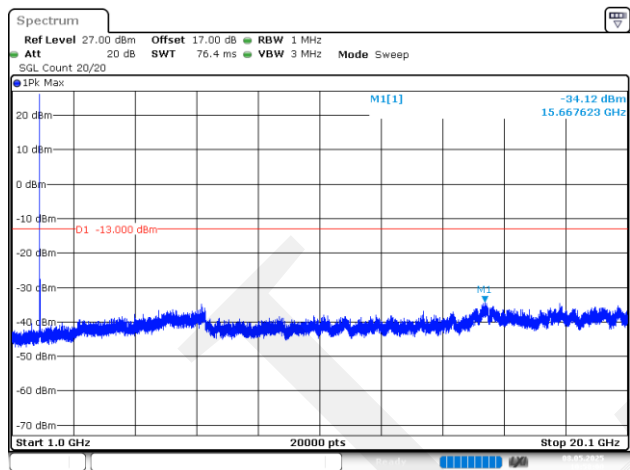
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:56:49

5MHz_Low_QPSK_1@0(30MHz~1GHz)



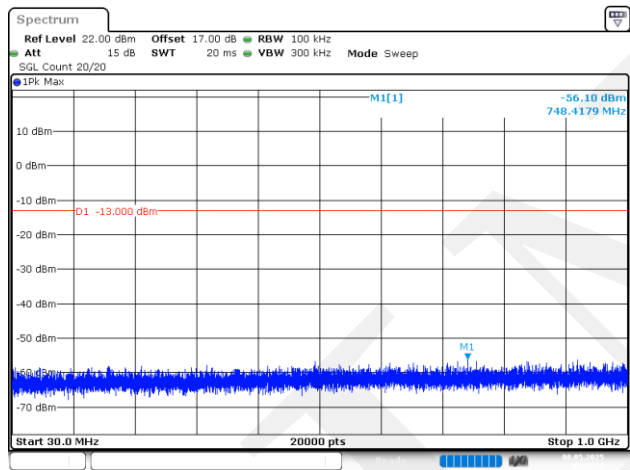
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:57:49

5MHz_Low_QPSK_1@0(1GHz~20.1GHz)



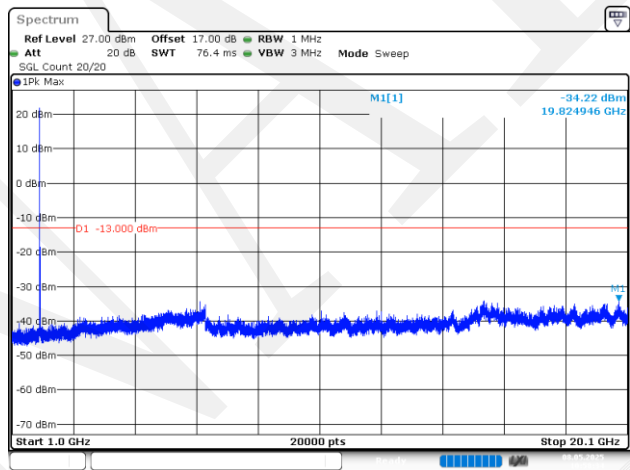
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:58:00

5MHz_Low_QPSK_25@0(30MHz~1GHz)



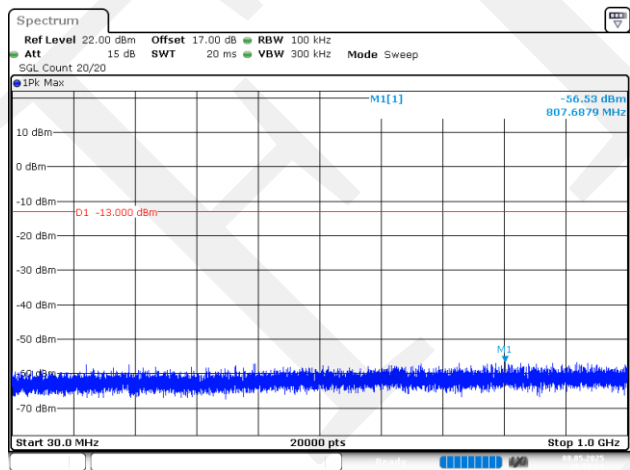
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:58:23

5MHz_Low_QPSK_25@0(1GHz~20.1GHz)



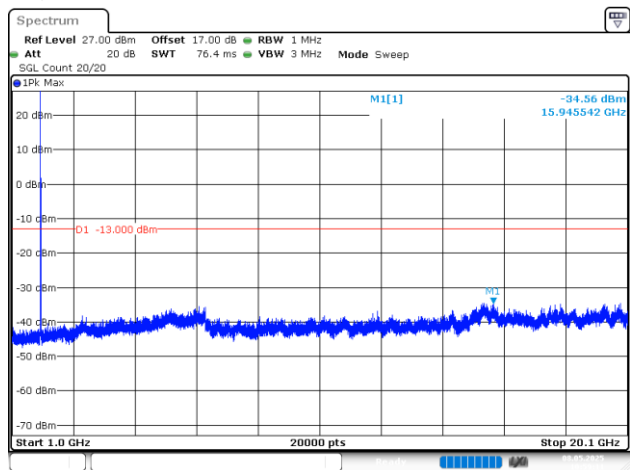
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:58:35

5MHz_Middle_QPSK_1@0(30MHz~1GHz)



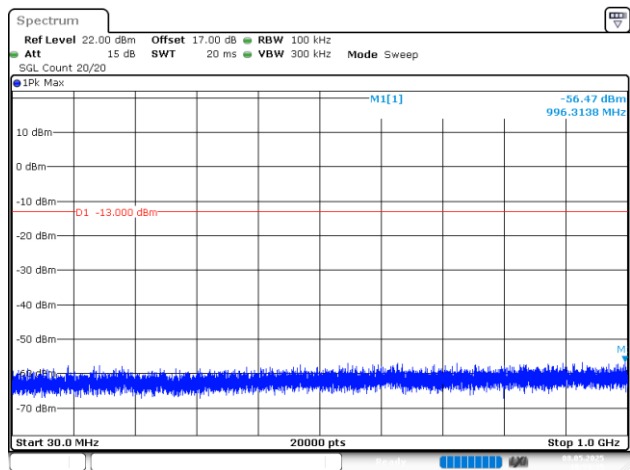
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:58:59

5MHz_Middle_QPSK_1@0(1GHz~20.1GHz)



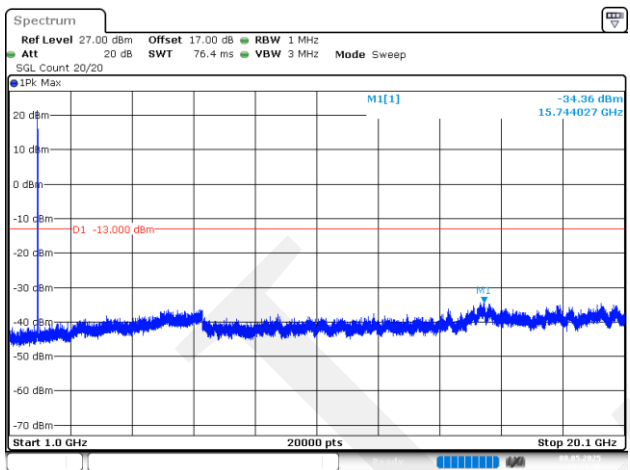
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:59:11

5MHz_Middle_QPSK_25@0(30MHz~1GHz)



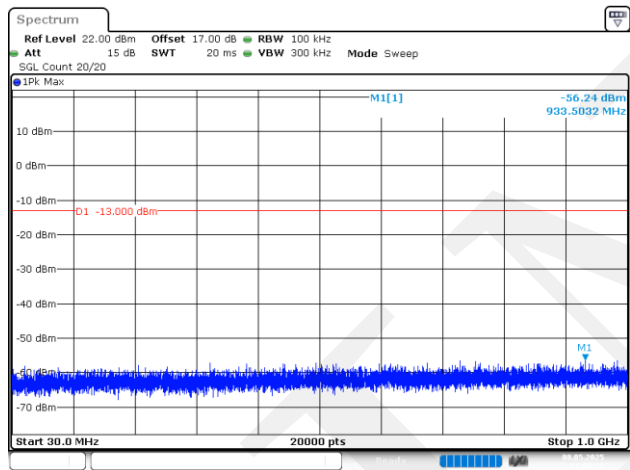
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:59:35

5MHz_Middle_QPSK_25@0(1GHz~20.1GHz)



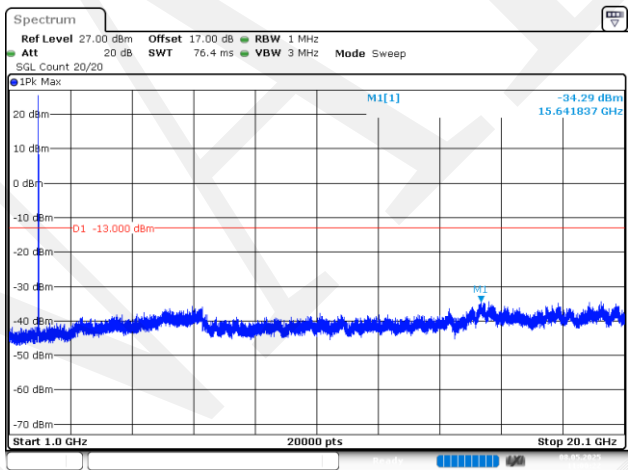
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 10:59:47

5MHz_High_QPSK_1@0(30MHz~1GHz)



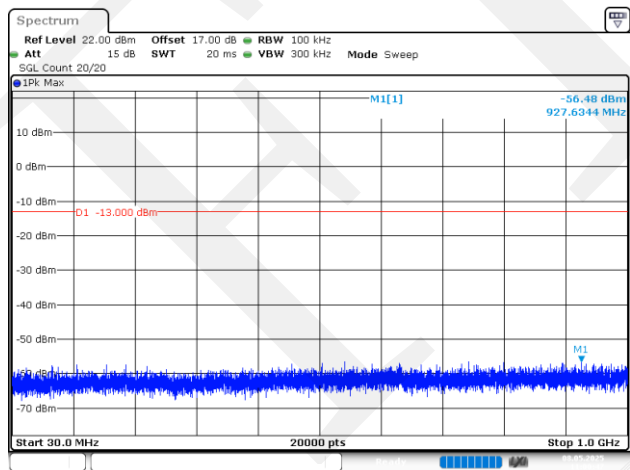
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:00:10

5MHz_High_QPSK_1@0(1GHz~20.1GHz)



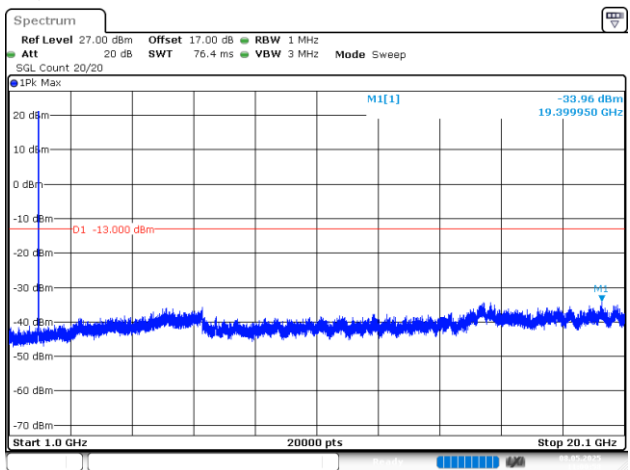
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:00:22

5MHz_High_QPSK_25@0(30MHz~1GHz)



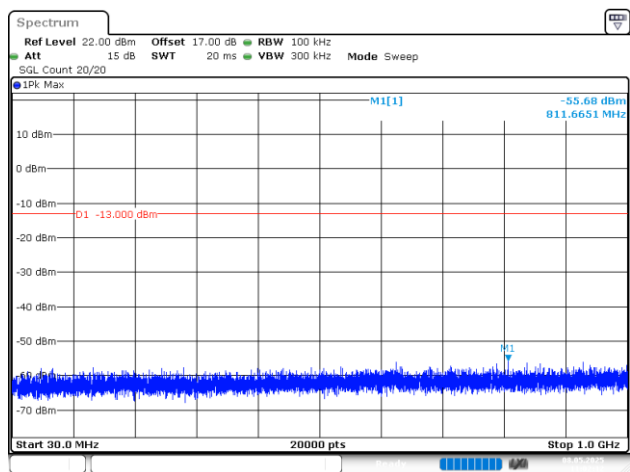
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:00:47

5MHz_High_QPSK_25@0(1GHz~20.1GHz)



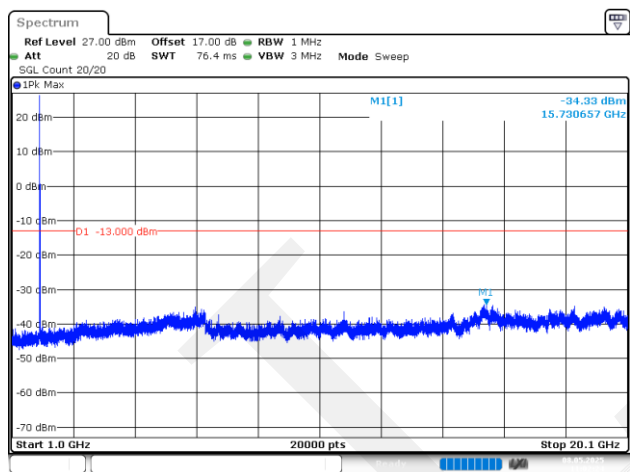
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:00:59

10MHz_Low_QPSK_1@0(30MHz~1GHz)



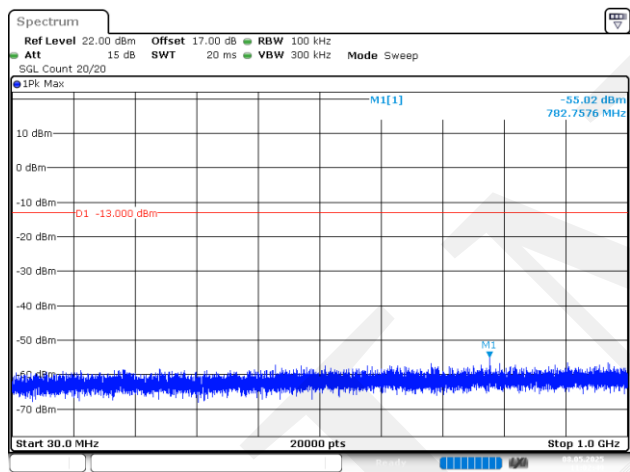
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:02:12

10MHz_Low_QPSK_1@0(1GHz~20.1GHz)



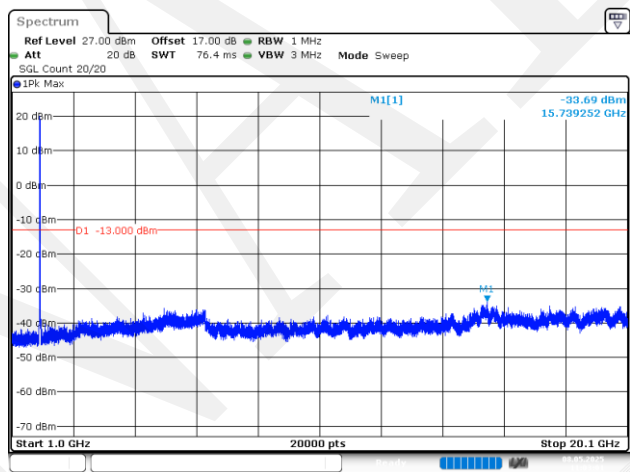
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:02:25

10MHz_Low_QPSK_50@0(30MHz~1GHz)



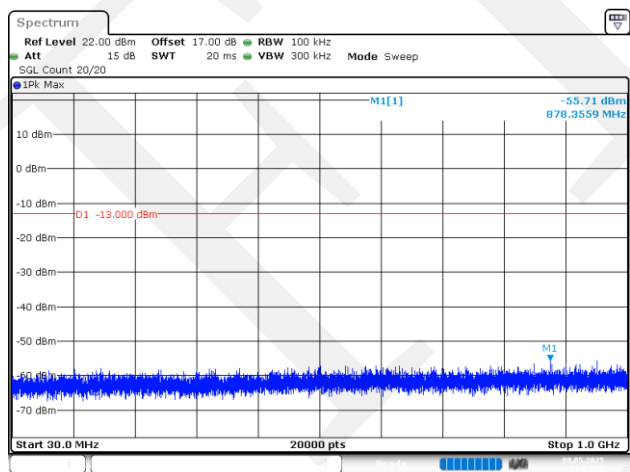
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:02:49

10MHz_Low_QPSK_50@0(1GHz~20.1GHz)



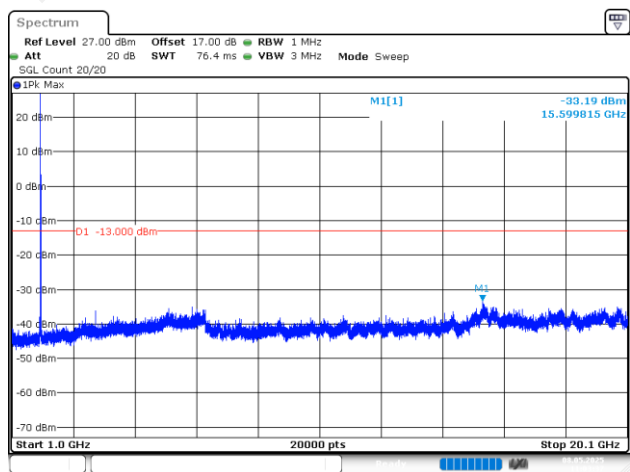
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:03:01

10MHz_Middle_QPSK_1@0(30MHz~1GHz)



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:03:26

10MHz_Middle_QPSK_1@0(1GHz~20.1GHz)



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 8.MAY.2025 11:03:38