

Appendix C

Test Information:

Serial No.:	2N1N-3	Test Date:	2024/06/18~2024/06/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	Karl Liang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	26.8~27.3	Relative Humidity: (%)	52~62	ATM Pressure: (kPa)	100.5~100.7
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Micro-Coax	Coaxial Cable	UFB205A	323308-024	2024/01/02	2025/01/01
Mini-Circuits	Coaxial Power Splitters & Combiner	ZFRSC-183-S+	SF448201614	2024/02/25	2025/02/24
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30173	2023/10/18	2024/10/17
TDK-Lambda	DC Power Supply	Z+60-14	F-08-EM038-1	N/A	N/A
R&S	Wideband Radio Communication Tester	CMW500	149216	2023/10/18	2024/10/17
All-sun	Clamp Meter	EM305A	8348897	2023/08/03	2024/08/02
R&S	Spectrum Analyzer	FSV40	101461	2023/11/27	2024/11/26

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Frequency stability**FCC Part 22H****B5 , TN/VN**

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-5.6	-0.007	±2.5	Pass
10MHz_Middle_16QAM_50@0	-7.7	-0.009	±2.5	Pass

B5 , T1/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-1.8	-0.002	±2.5	Pass
10MHz_Middle_16QAM_50@0	-4.6	-0.005	±2.5	Pass

B5 , T2/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-7.3	-0.009	±2.5	Pass
10MHz_Middle_16QAM_50@0	-2.1	-0.002	±2.5	Pass

B5 , T3/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-7.6	-0.009	±2.5	Pass
10MHz_Middle_16QAM_50@0	-4.0	-0.005	±2.5	Pass

B5 , T4/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-2.3	-0.003	±2.5	Pass
10MHz_Middle_16QAM_50@0	-5.2	-0.006	±2.5	Pass

B5 , T5/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-4.3	-0.005	±2.5	Pass
10MHz_Middle_16QAM_50@0	-7.4	-0.009	±2.5	Pass

B5 , T6/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-5.7	-0.007	±2.5	Pass
10MHz_Middle_16QAM_50@0	-6.3	-0.008	±2.5	Pass

B5 , T7/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-7.4	-0.009	±2.5	Pass
10MHz_Middle_16QAM_50@0	-2.6	-0.003	±2.5	Pass

B5 , T8/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-7.2	-0.009	±2.5	Pass
10MHz_Middle_16QAM_50@0	-2.9	-0.003	±2.5	Pass

B5 , TN/VH

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-7.3	-0.009	±2.5	Pass
10MHz_Middle_16QAM_50@0	-8.4	-0.010	±2.5	Pass

B5 , TN/VL

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-5.3	-0.006	±2.5	Pass
10MHz_Middle_16QAM_50@0	-5.3	-0.006	±2.5	Pass

Note:

Frequency Error (ppm)=Frequency Error (MHz)/Test Channel(MHz)

TN: 20 °C; T1: -30 °C; T2: -20 °C; T3: -10 °C; T4: 0 °C; T5: 10 °C; T6: 30 °C; T7: 40 °C; T8: 50 °C.

VN: Normal Voltage; VL: Low Voltage; VH: High Voltage.

FCC Part 27

B7 , TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2501.07	2518.991	2500 ~ 2570	Pass
20MHz_Low_16QAM_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.13	2568.991	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.07	2568.991	2500 ~ 2570	Pass

B7 , T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_Low_16QAM_100@0	2501.07	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.07	2568.991	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.07	2568.991	2500 ~ 2570	Pass

B7 , T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_Low_16QAM_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.07	2568.931	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.07	2568.991	2500 ~ 2570	Pass

B7 , T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_Low_16QAM_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.07	2568.931	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.13	2568.931	2500 ~ 2570	Pass

B7 , T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_Low_16QAM_100@0	2501.07	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.07	2568.931	2500 ~ 2570	Pass

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_High_16QAM_100@0	2551.07	2568.991	2500 ~ 2570	Pass

B7 , T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_Low_16QAM_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.07	2568.991	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.13	2568.991	2500 ~ 2570	Pass

B7 , T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2501.07	2518.991	2500 ~ 2570	Pass
20MHz_Low_16QAM_100@0	2501.13	2518.931	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.07	2568.991	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.07	2568.991	2500 ~ 2570	Pass

B7 , T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_Low_16QAM_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.07	2568.931	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.13	2568.931	2500 ~ 2570	Pass

B7 , T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_Low_16QAM_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.13	2568.991	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.07	2568.991	2500 ~ 2570	Pass

B7 , TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2501.07	2518.991	2500 ~ 2570	Pass

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_16QAM_100@0	2501.07	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.07	2568.991	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.13	2568.991	2500 ~ 2570	Pass

B7 , TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_Low_16QAM_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.13	2568.991	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.07	2568.931	2500 ~ 2570	Pass

B38 , TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_Low_16QAM_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.13	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.07	2618.931	2570 ~ 2620	Pass

B38 , T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_Low_16QAM_100@0	2571.13	2588.991	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.07	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.13	2618.931	2570 ~ 2620	Pass

B38 , T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.13	2588.991	2570 ~ 2620	Pass
20MHz_Low_16QAM_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.07	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.07	2618.991	2570 ~ 2620	Pass

B38 , T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_Low_16QAM_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.07	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.07	2618.991	2570 ~ 2620	Pass

B38 , T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_Low_16QAM_100@0	2571.13	2588.931	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.13	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.07	2618.931	2570 ~ 2620	Pass

B38 , T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_Low_16QAM_100@0	2571.07	2588.931	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.07	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.13	2618.991	2570 ~ 2620	Pass

B38 , T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_Low_16QAM_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.07	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.07	2618.991	2570 ~ 2620	Pass

B38 , T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.13	2588.991	2570 ~ 2620	Pass
20MHz_Low_16QAM_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.13	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.07	2618.991	2570 ~ 2620	Pass

B38 , T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.13	2588.991	2570 ~ 2620	Pass
20MHz_Low_16QAM_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.07	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.07	2618.991	2570 ~ 2620	Pass

B38 , TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_Low_16QAM_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.07	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.07	2618.991	2570 ~ 2620	Pass

B38 , TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_Low_16QAM_100@0	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.07	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.07	2618.991	2570 ~ 2620	Pass

B41_2 , TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
2_20MHz_Low_QPSK_100@0	2536.07	2553.991	2535 ~ 2655	Pass
2_20MHz_Low_16QAM_100@0	2536.13	2553.991	2535 ~ 2655	Pass
2_20MHz_High_QPSK_100@0	2636.07	2653.931	2535 ~ 2655	Pass
2_20MHz_High_16QAM_100@0	2636.07	2653.991	2535 ~ 2655	Pass

B41_2 , T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
2_20MHz_Low_QPSK_100@0	2536.07	2553.991	2535 ~ 2655	Pass
2_20MHz_Low_16QAM_100@0	2536.13	2553.991	2535 ~ 2655	Pass
2_20MHz_High_QPSK_100@0	2636.07	2653.931	2535 ~ 2655	Pass
2_20MHz_High_16QAM_100@0	2636.07	2650.155	2535 ~ 2655	Pass

B41_2 , T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
2_20MHz_Low_QPSK_100@0	2536.07	2553.991	2535 ~ 2655	Pass
2_20MHz_Low_16QAM_100@0	2536.07	2553.931	2535 ~ 2655	Pass
2_20MHz_High_QPSK_100@0	2636.13	2653.931	2535 ~ 2655	Pass
2_20MHz_High_16QAM_100@0	2636.13	2653.991	2535 ~ 2655	Pass

B41_2, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
2_20MHz_Low_QPSK_100@0	2536.13	2553.991	2535 ~ 2655	Pass
2_20MHz_Low_16QAM_100@0	2536.13	2553.931	2535 ~ 2655	Pass
2_20MHz_High_QPSK_100@0	2636.07	2653.991	2535 ~ 2655	Pass
2_20MHz_High_16QAM_100@0	2636.07	2653.931	2535 ~ 2655	Pass

B41_2, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
2_20MHz_Low_QPSK_100@0	2536.13	2553.991	2535 ~ 2655	Pass
2_20MHz_Low_16QAM_100@0	2536.13	2553.991	2535 ~ 2655	Pass
2_20MHz_High_QPSK_100@0	2636.07	2653.931	2535 ~ 2655	Pass
2_20MHz_High_16QAM_100@0	2636.07	2653.931	2535 ~ 2655	Pass

B41_2, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
2_20MHz_Low_QPSK_100@0	2536.07	2553.991	2535 ~ 2655	Pass
2_20MHz_Low_16QAM_100@0	2536.13	2553.871	2535 ~ 2655	Pass
2_20MHz_High_QPSK_100@0	2636.13	2653.991	2535 ~ 2655	Pass
2_20MHz_High_16QAM_100@0	2636.07	2653.991	2535 ~ 2655	Pass

B41_2, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
2_20MHz_Low_QPSK_100@0	2536.13	2553.991	2535 ~ 2655	Pass
2_20MHz_Low_16QAM_100@0	2536.13	2553.991	2535 ~ 2655	Pass
2_20MHz_High_QPSK_100@0	2636.07	2653.991	2535 ~ 2655	Pass
2_20MHz_High_16QAM_100@0	2636.07	2653.991	2535 ~ 2655	Pass

B41_2, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
2_20MHz_Low_QPSK_100@0	2536.13	2553.991	2535 ~ 2655	Pass
2_20MHz_Low_16QAM_100@0	2536.07	2553.991	2535 ~ 2655	Pass
2_20MHz_High_QPSK_100@0	2636.07	2653.991	2535 ~ 2655	Pass
2_20MHz_High_16QAM_100@0	2636.13	2653.991	2535 ~ 2655	Pass

B41_2, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
2_20MHz_Low_QPSK_100@0	2536.07	2553.991	2535 ~ 2655	Pass
2_20MHz_Low_16QAM_100@0	2536.13	2553.991	2535 ~ 2655	Pass
2_20MHz_High_QPSK_100@0	2636.07	2653.991	2535 ~ 2655	Pass
2_20MHz_High_16QAM_100@0	2636.07	2653.991	2535 ~ 2655	Pass

B41_2, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
2_20MHz_Low_QPSK_100@0	2536.13	2553.991	2535 ~ 2655	Pass
2_20MHz_Low_16QAM_100@0	2536.13	2553.991	2535 ~ 2655	Pass
2_20MHz_High_QPSK_100@0	2636.13	2653.991	2535 ~ 2655	Pass
2_20MHz_High_16QAM_100@0	2636.07	2653.991	2535 ~ 2655	Pass

B41_2, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
2_20MHz_Low_QPSK_100@0	2536.13	2553.991	2535 ~ 2655	Pass
2_20MHz_Low_16QAM_100@0	2536.13	2553.931	2535 ~ 2655	Pass
2_20MHz_High_QPSK_100@0	2636.07	2653.991	2535 ~ 2655	Pass
2_20MHz_High_16QAM_100@0	2636.13	2653.991	2535 ~ 2655	Pass

Note:

TN: 20 °C; T1: -30 °C; T2: -20 °C; T3: -10 °C; T4: 0 °C; T5: 10 °C; T6: 30 °C; T7: 40 °C; T8: 50 °C.

VN: Normal Voltage; VL: Low Voltage; VH: High Voltage.

Occupied Bandwidth

FCC Part 22H

B5 , Normal

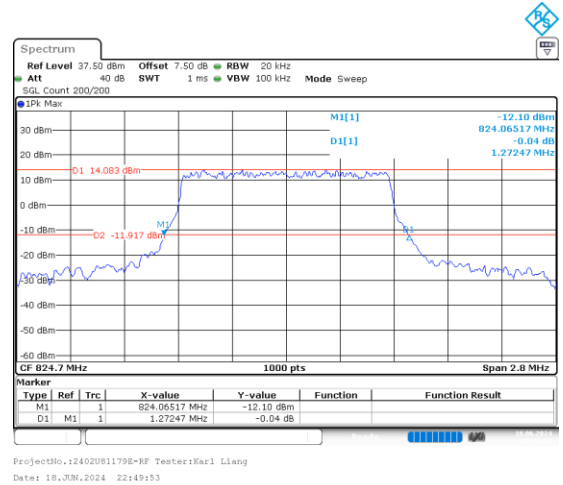
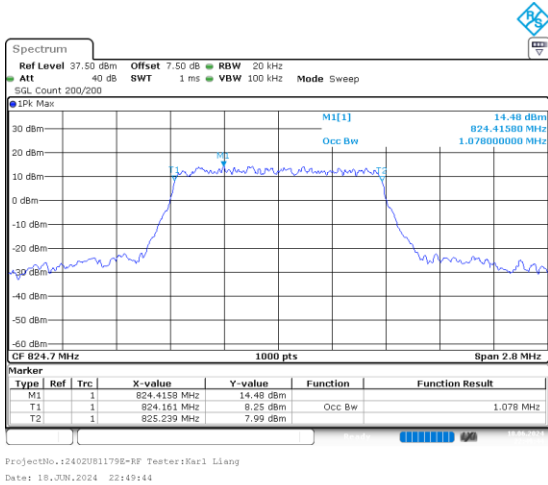
Mode	99% OBW (MHz)	EBW (MHz)
1.4MHz_Low_QPSK_6@0	1.078	1.272
1.4MHz_Low_16QAM_6@0	1.084	1.267
1.4MHz_Middle_QPSK_6@0	1.084	1.275
1.4MHz_Middle_16QAM_6@0	1.081	1.278
1.4MHz_High_QPSK_6@0	1.084	1.278
1.4MHz_High_16QAM_6@0	1.075	1.256
3MHz_Low_QPSK_15@0	2.670	2.883
3MHz_Low_16QAM_15@0	2.676	2.859
3MHz_Middle_QPSK_15@0	2.682	2.871
3MHz_Middle_16QAM_15@0	2.676	2.871
3MHz_High_QPSK_15@0	2.682	2.871
3MHz_High_16QAM_15@0	2.676	2.859
5MHz_Low_QPSK_25@0	4.460	4.785
5MHz_Low_16QAM_25@0	4.460	4.825
5MHz_Middle_QPSK_25@0	4.480	4.805
5MHz_Middle_16QAM_25@0	4.480	4.875
5MHz_High_QPSK_25@0	4.480	4.845
5MHz_High_16QAM_25@0	4.460	4.825
10MHz_Low_QPSK_50@0	8.960	9.550
10MHz_Low_16QAM_50@0	8.920	9.590
10MHz_Middle_QPSK_50@0	8.940	9.530
10MHz_Middle_16QAM_50@0	8.960	9.610
10MHz_High_QPSK_50@0	8.940	9.630
10MHz_High_16QAM_50@0	8.940	9.409

B5, Normal

1.4MHz_Low_QPSK_6@0

Occupied Bandwidth

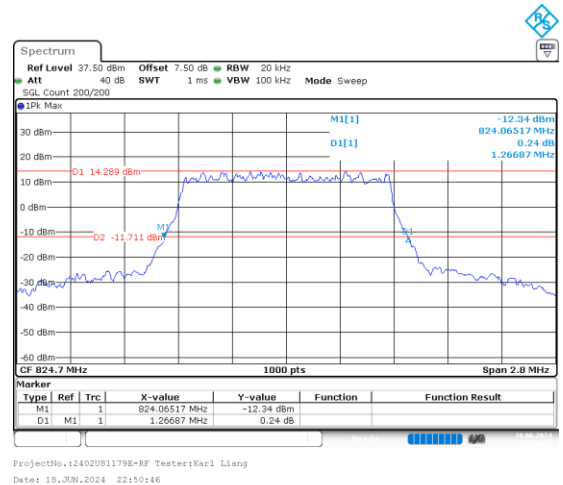
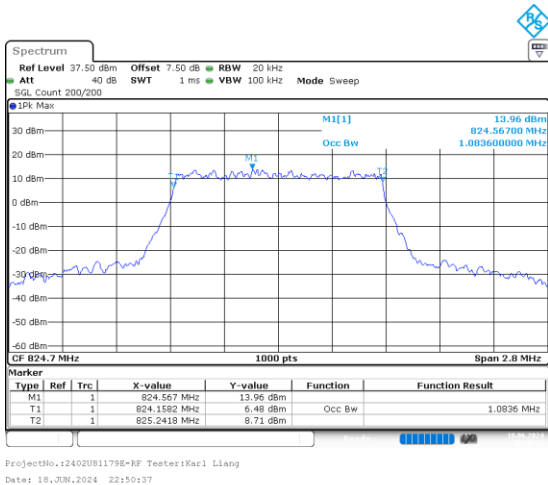
26dB Bandwidth



1.4MHz_Low_16QAM_6@0

Occupied Bandwidth

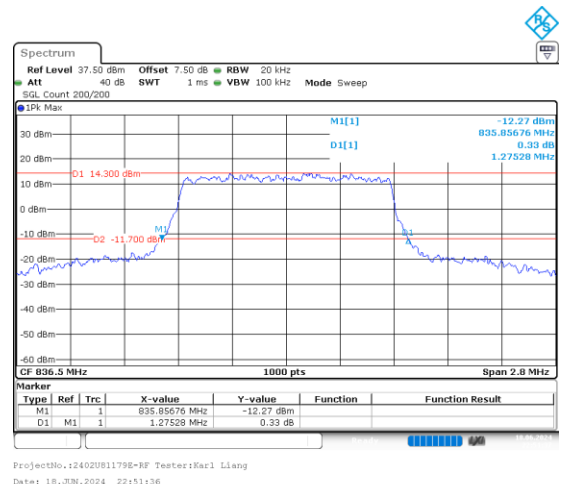
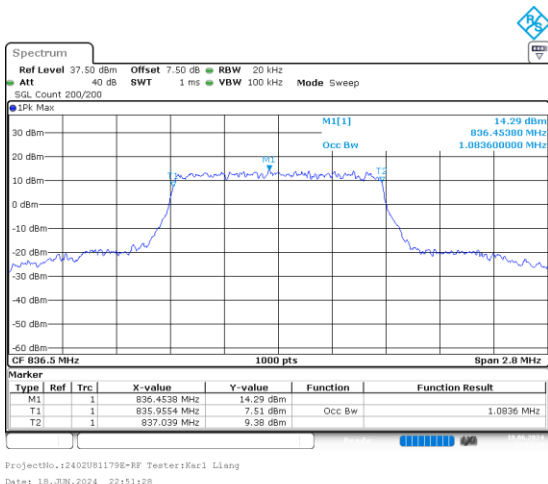
26dB Bandwidth



1.4MHz_Middle_QPSK_6@0

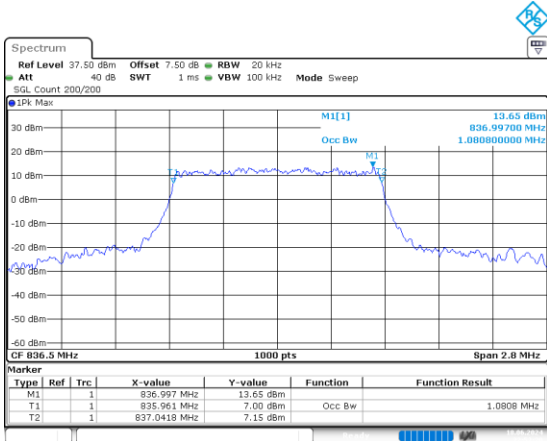
Occupied Bandwidth

26dB Bandwidth



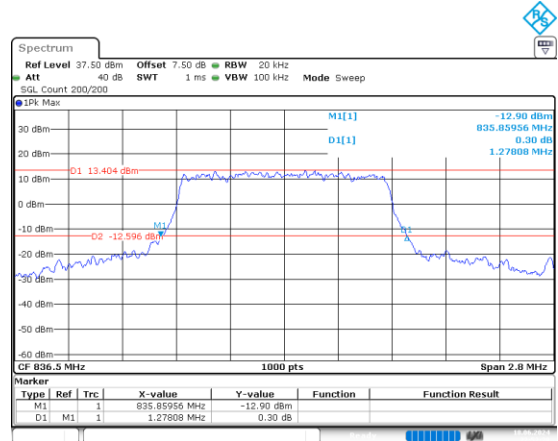
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 22:52:20

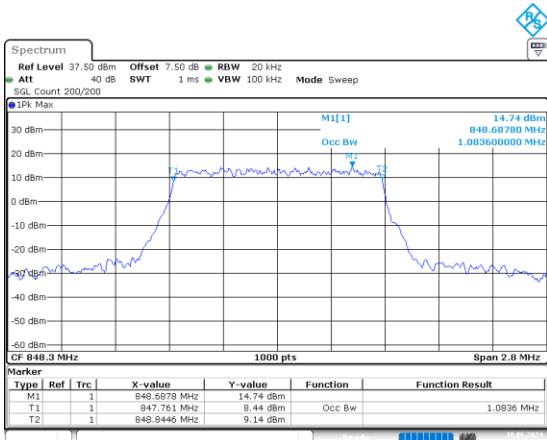
26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 22:52:20

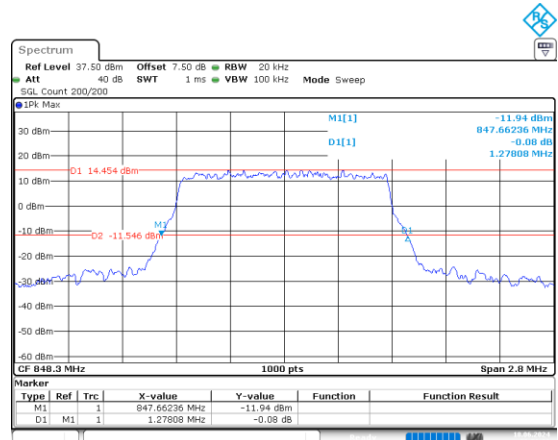
1.4MHz_High_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 22:53:11

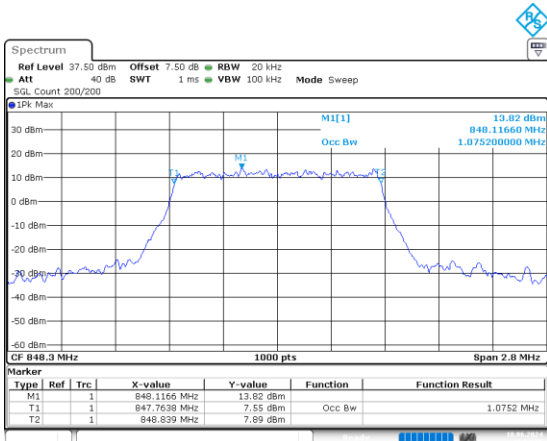
26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 22:53:20

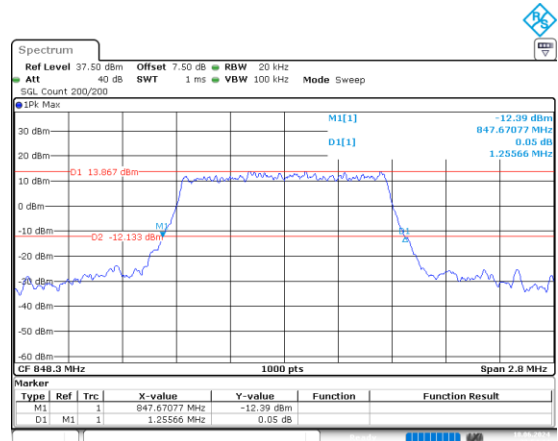
1.4MHz_High_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 22:54:05

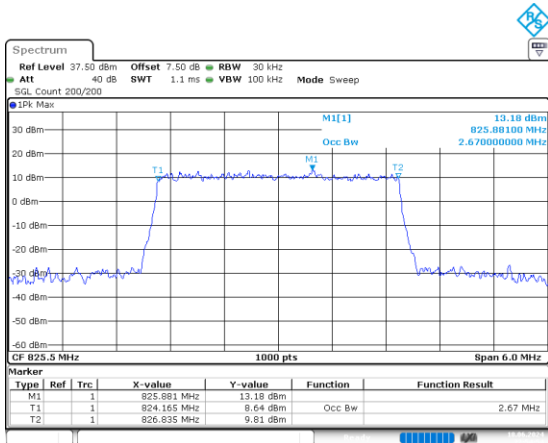
26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 22:54:14

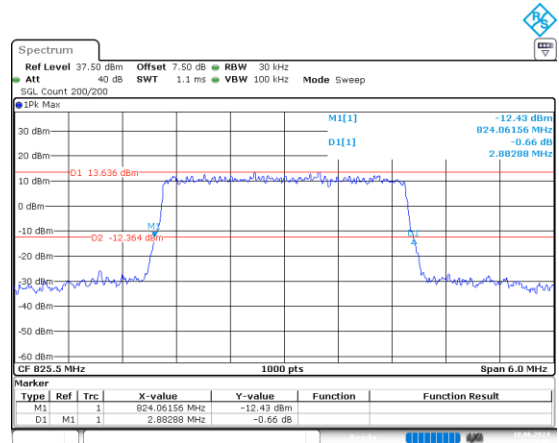
3MHz_Low_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 22:54:54

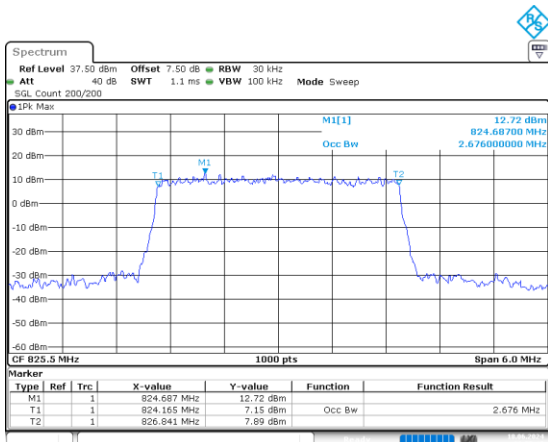
26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 22:55:05

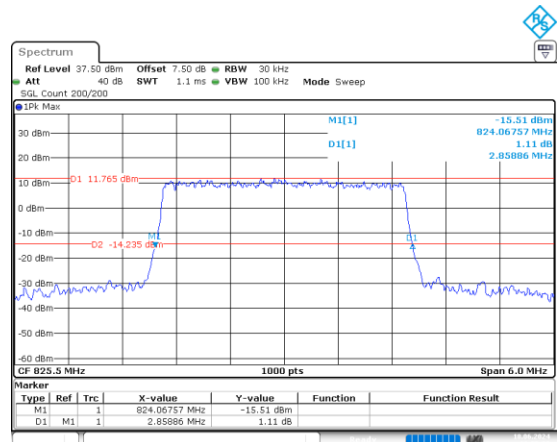
3MHz_Low_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 22:55:45

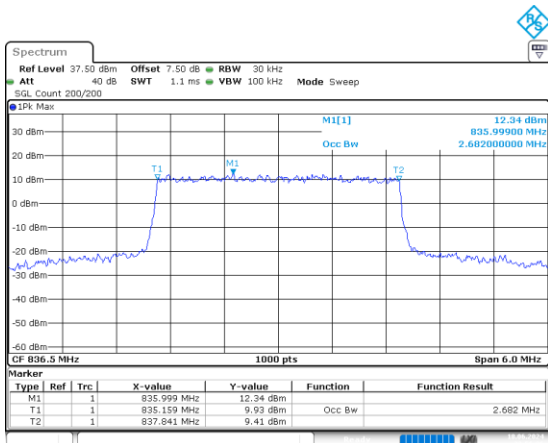
26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 22:55:55

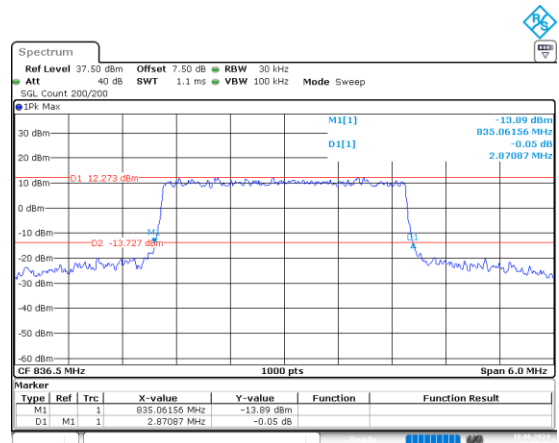
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 22:56:36

26dB Bandwidth

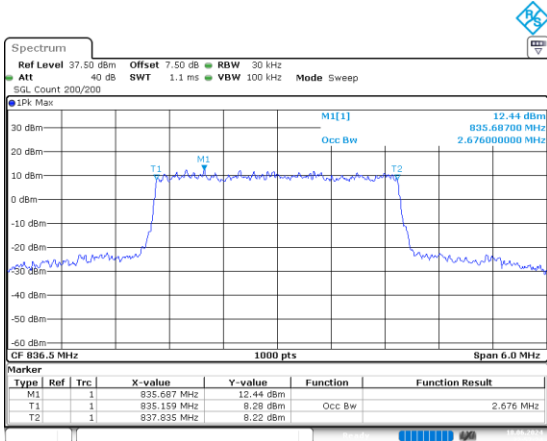


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 22:56:46

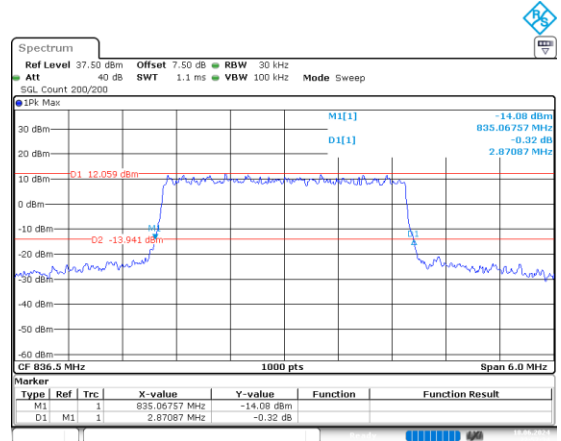
3MHz_Middle_16QAM_15@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 22:57:24

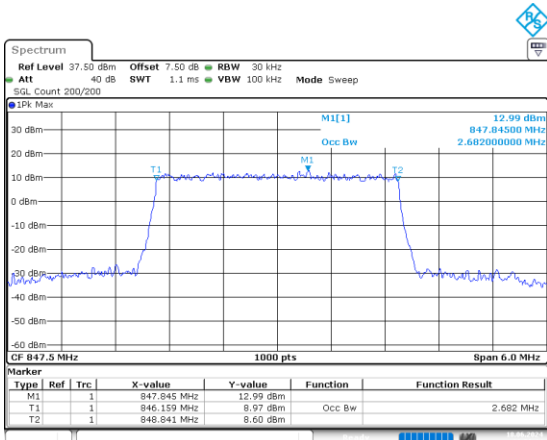


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 22:57:34

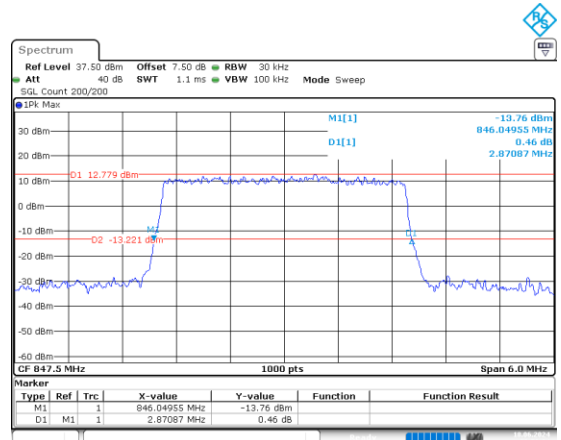
3MHz_High_QPSK_15@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 22:59:14

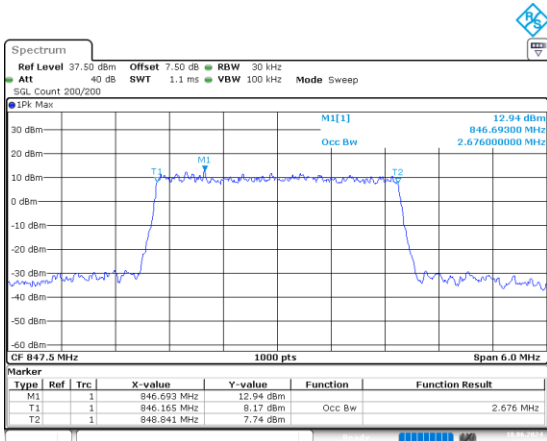


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 22:58:24

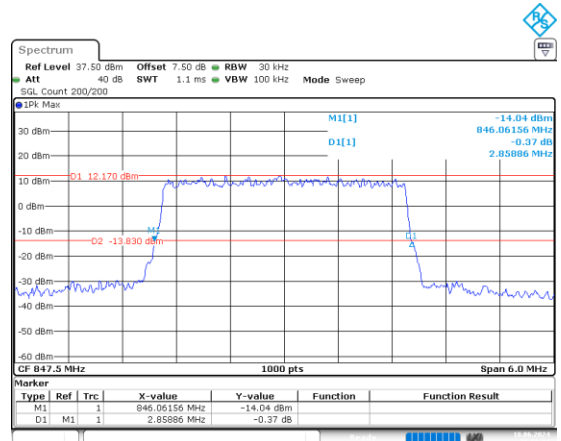
3MHz_High_16QAM_15@0

Occupied Bandwidth

26dB Bandwidth



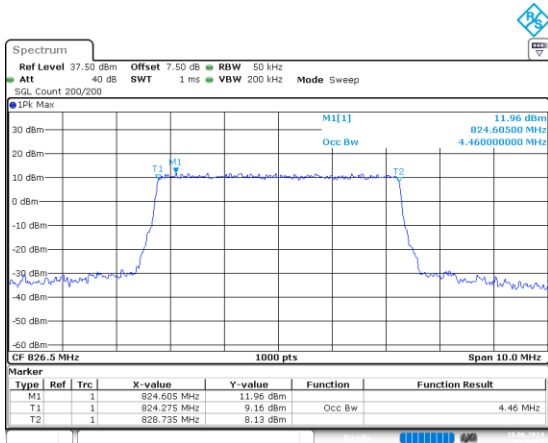
ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 22:59:04



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 22:59:14

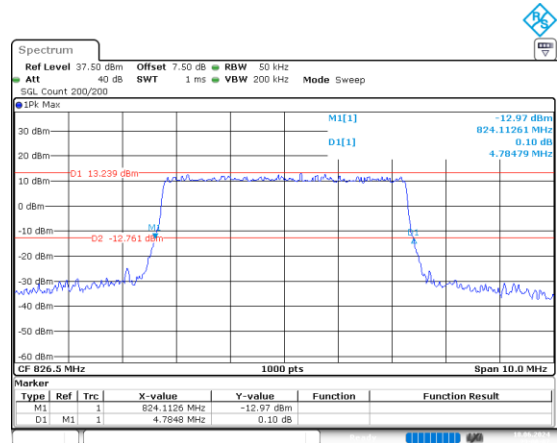
5MHz_Low_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 22:59:57

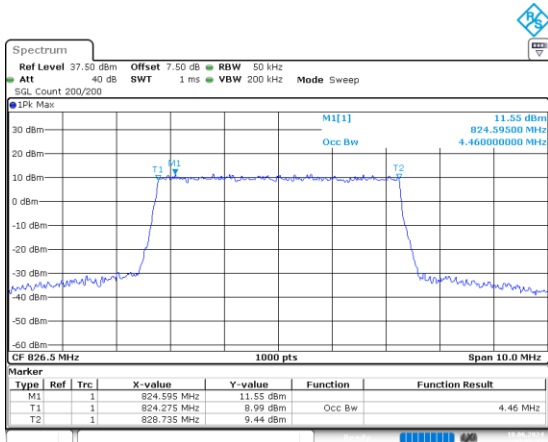
26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:00:07

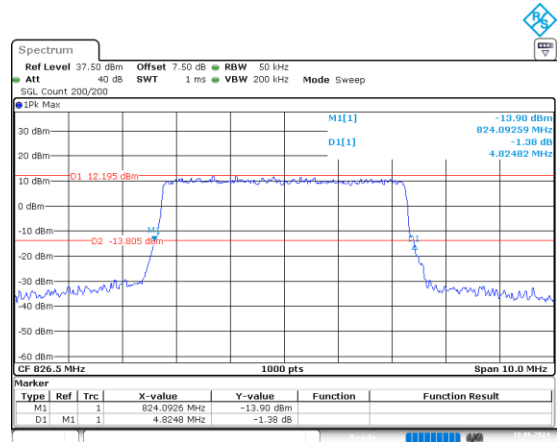
5MHz_Low_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:00:47

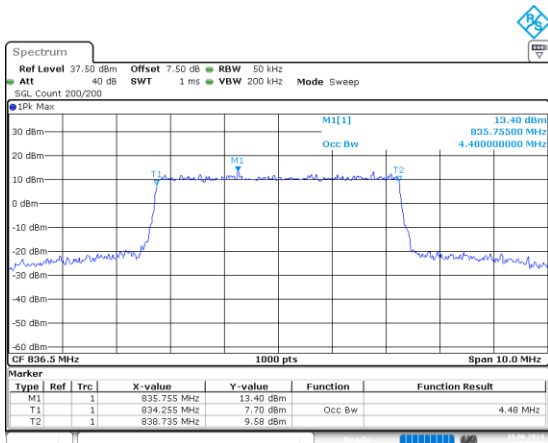
26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:00:57

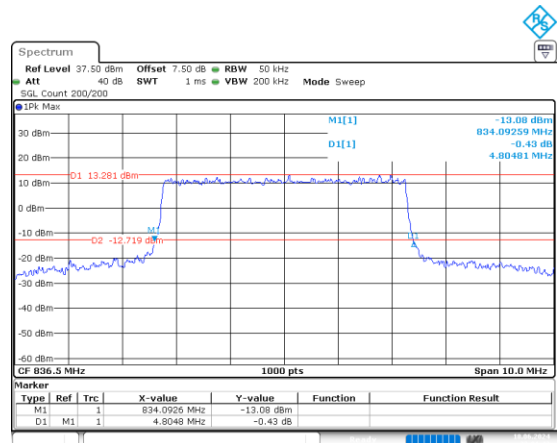
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:01:34

26dB Bandwidth

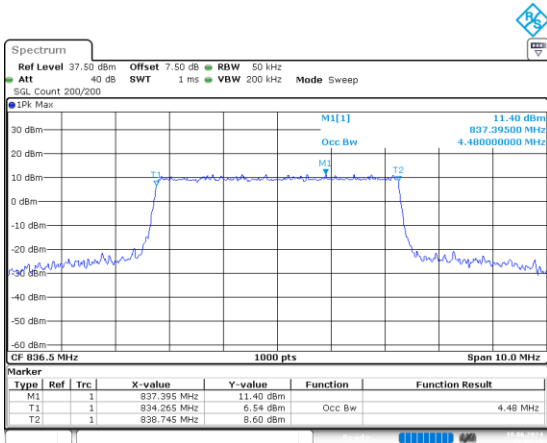


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:01:43

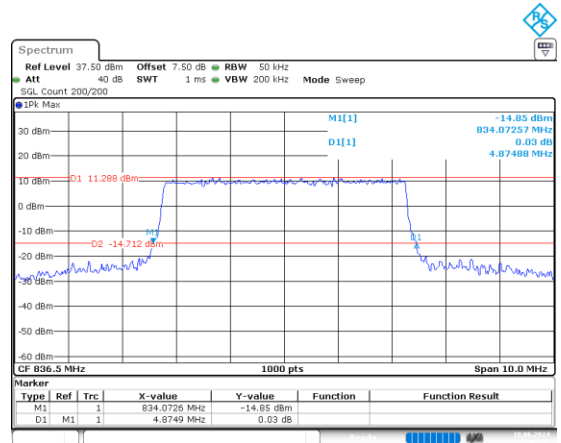
5MHz_Middle_16QAM_25@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 23:02:22

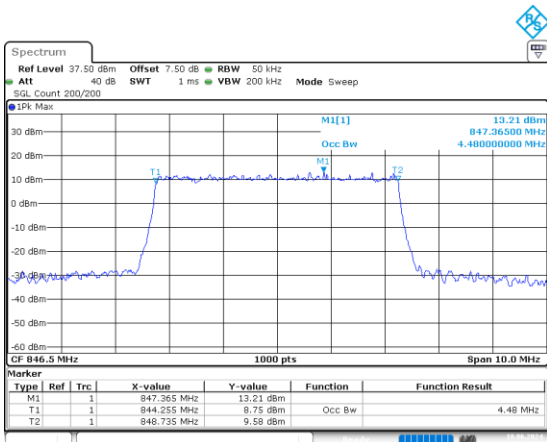


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 23:02:31

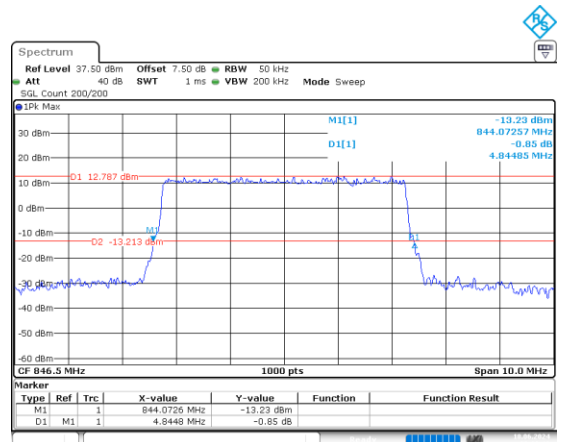
5MHz_High_QPSK_25@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 23:03:09

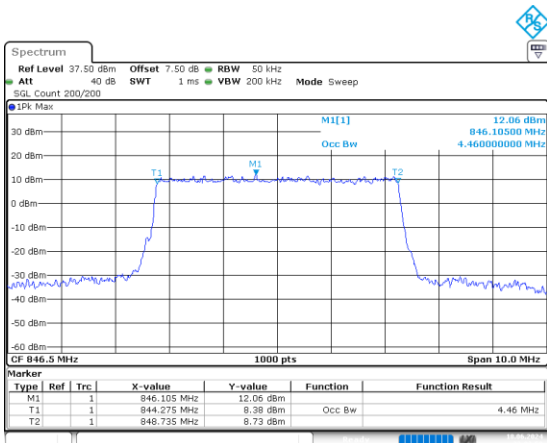


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 23:03:19

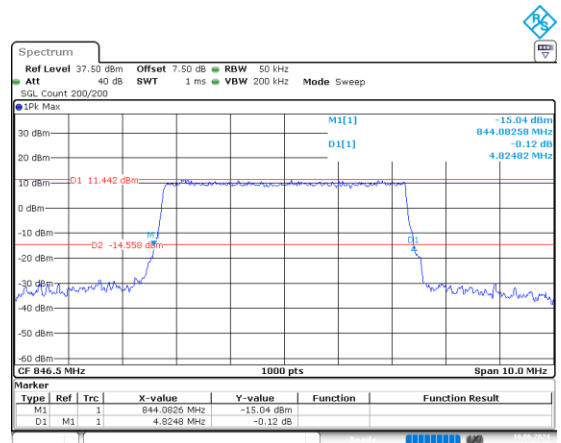
5MHz_High_16QAM_25@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 23:03:58

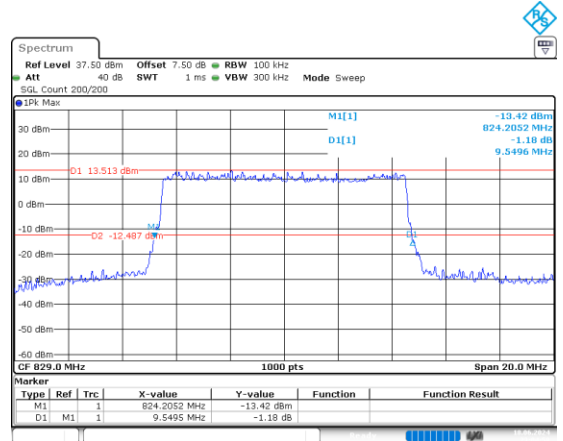
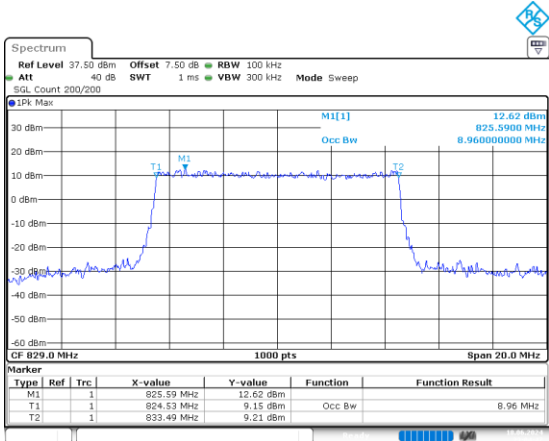


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 23:04:08

10MHz_Low_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



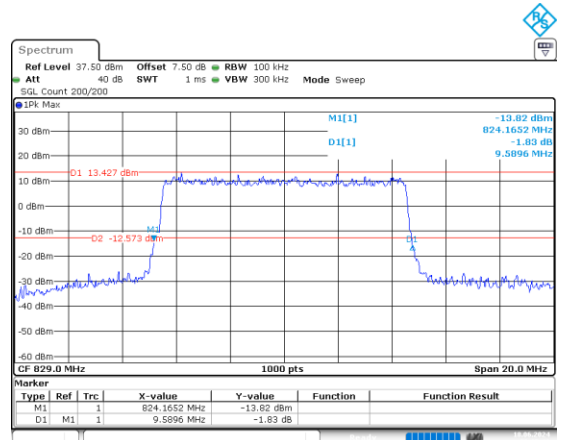
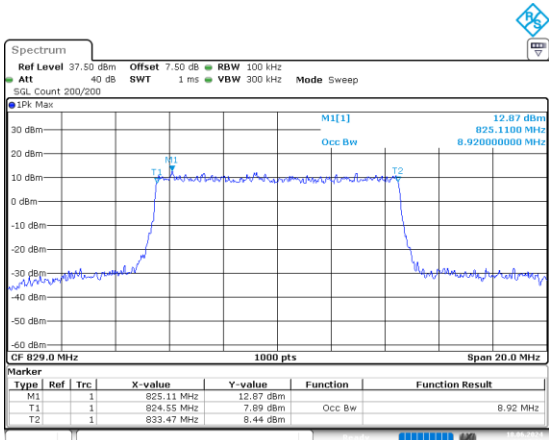
ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:04:47

ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:04:57

10MHz_Low_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



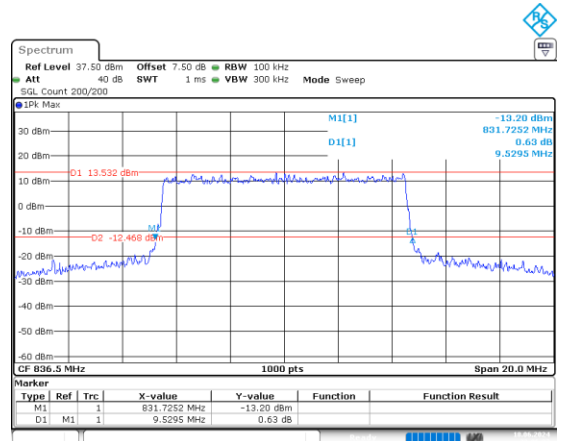
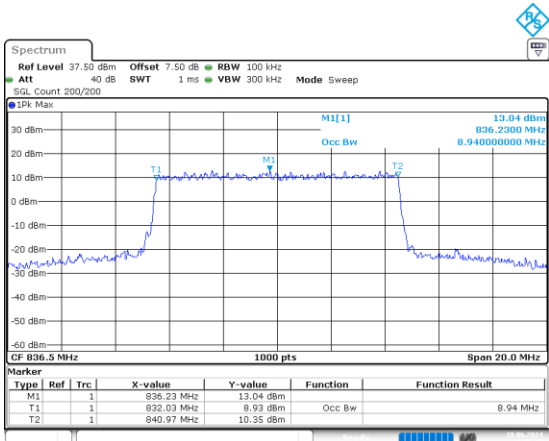
ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:05:17

ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:05:47

10MHz_Middle_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



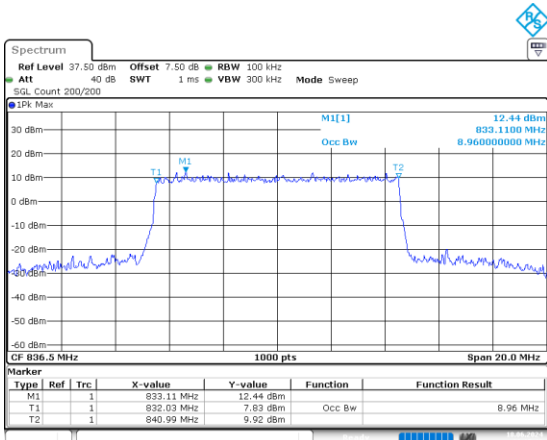
ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:06:27

ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:06:37

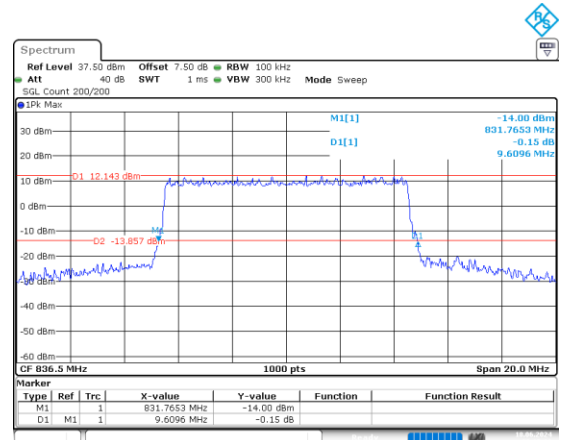
10MHz_Middle_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 23:07:18

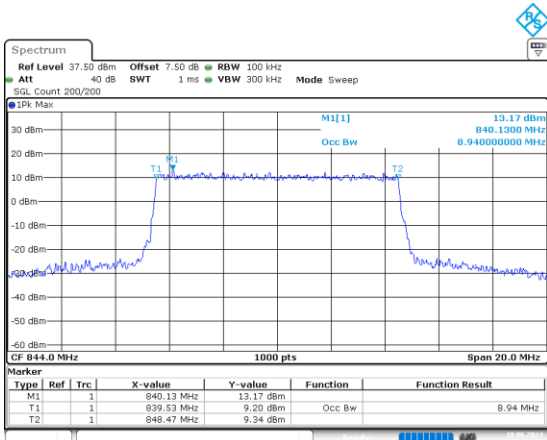


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 23:07:29

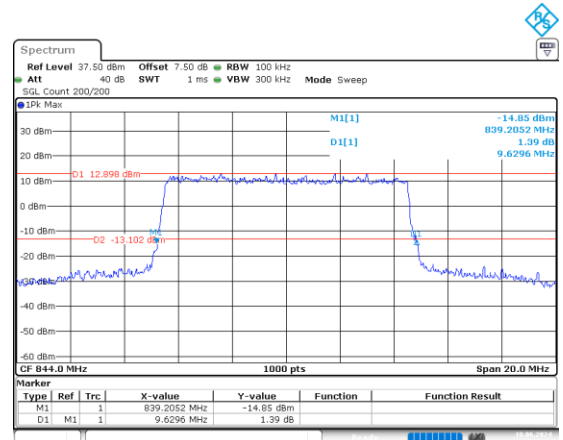
10MHz_High_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 23:08:10

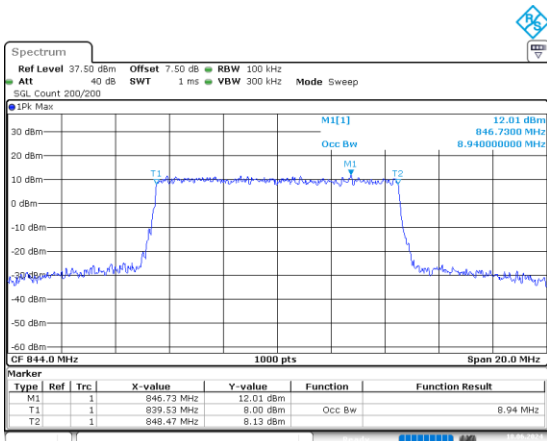


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 23:08:20

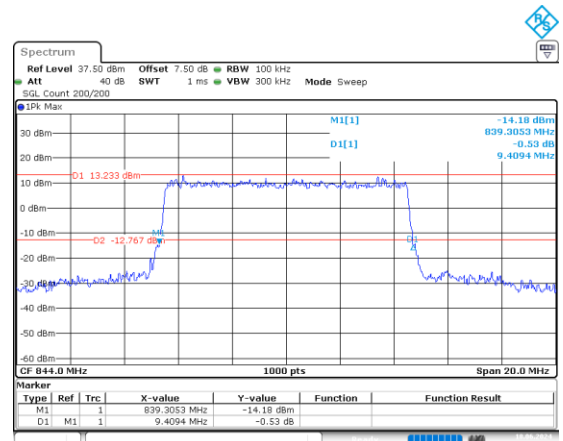
10MHz_High_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 23:09:02



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18.JUN.2024 23:09:12

FCC Part 27

B7 , Normal

Mode	99% OBW (MHz)	EBW (MHz)
5MHz_Low_QPSK_25@0	4.470	4.825
5MHz_Low_16QAM_25@0	4.460	4.815
5MHz_Middle_QPSK_25@0	4.470	4.805
5MHz_Middle_16QAM_25@0	4.470	4.825
5MHz_High_QPSK_25@0	4.470	4.805
5MHz_High_16QAM_25@0	4.460	4.825
10MHz_Low_QPSK_50@0	8.940	9.570
10MHz_Low_16QAM_50@0	8.940	9.510
10MHz_Middle_QPSK_50@0	8.940	9.550
10MHz_Middle_16QAM_50@0	8.940	9.470
10MHz_High_QPSK_50@0	8.960	9.630
10MHz_High_16QAM_50@0	8.960	9.470
15MHz_Low_QPSK_75@0	13.440	14.414
15MHz_Low_16QAM_75@0	13.440	14.444
15MHz_Middle_QPSK_75@0	13.440	14.294
15MHz_Middle_16QAM_75@0	13.440	14.444
15MHz_High_QPSK_75@0	13.440	14.475
15MHz_High_16QAM_75@0	13.410	14.444
20MHz_Low_QPSK_100@0	17.880	19.099
20MHz_Low_16QAM_100@0	17.880	18.939
20MHz_Middle_QPSK_100@0	17.840	18.979
20MHz_Middle_16QAM_100@0	17.880	19.019
20MHz_High_QPSK_100@0	17.880	18.859
20MHz_High_16QAM_100@0	17.920	19.059

B38 , Normal

Mode	99% OBW (MHz)	EBW (MHz)
5MHz_Low_QPSK_25@0	4.470	4.725
5MHz_Low_16QAM_25@0	4.460	4.825
5MHz_Middle_QPSK_25@0	4.450	4.785
5MHz_Middle_16QAM_25@0	4.460	4.745

Mode	99% OBW (MHz)	EBW (MHz)
5MHz_High_QPSK_25@0	4.470	4.815
5MHz_High_16QAM_25@0	4.470	5.055
10MHz_Low_QPSK_50@0	8.940	9.730
10MHz_Low_16QAM_50@0	8.940	9.409
10MHz_Middle_QPSK_50@0	8.940	9.490
10MHz_Middle_16QAM_50@0	8.940	9.409
10MHz_High_QPSK_50@0	8.940	9.510
10MHz_High_16QAM_50@0	8.940	9.470
15MHz_Low_QPSK_75@0	13.440	14.234
15MHz_Low_16QAM_75@0	13.440	14.324
15MHz_Middle_QPSK_75@0	13.410	14.324
15MHz_Middle_16QAM_75@0	13.410	14.264
15MHz_High_QPSK_75@0	13.470	14.354
15MHz_High_16QAM_75@0	13.440	14.444
20MHz_Low_QPSK_100@0	17.880	18.899
20MHz_Low_16QAM_100@0	17.800	19.099
20MHz_Middle_QPSK_100@0	17.880	18.699
20MHz_Middle_16QAM_100@0	17.880	18.859
20MHz_High_QPSK_100@0	17.880	18.979
20MHz_High_16QAM_100@0	17.840	18.699

B41_2, Normal

Mode	99% OBW (MHz)	EBW (MHz)
2_5MHz_Low_QPSK_25@0	4.440	4.795
2_5MHz_Low_16QAM_25@0	4.450	4.755
2_5MHz_Middle_QPSK_25@0	4.470	4.775
2_5MHz_Middle_16QAM_25@0	4.460	4.775
2_5MHz_High_QPSK_25@0	4.470	4.715
2_5MHz_High_16QAM_25@0	4.460	4.835
2_10MHz_Low_QPSK_50@0	8.960	9.389
2_10MHz_Low_16QAM_50@0	8.940	9.510
2_10MHz_Middle_QPSK_50@0	8.940	9.490
2_10MHz_Middle_16QAM_50@0	8.900	9.530

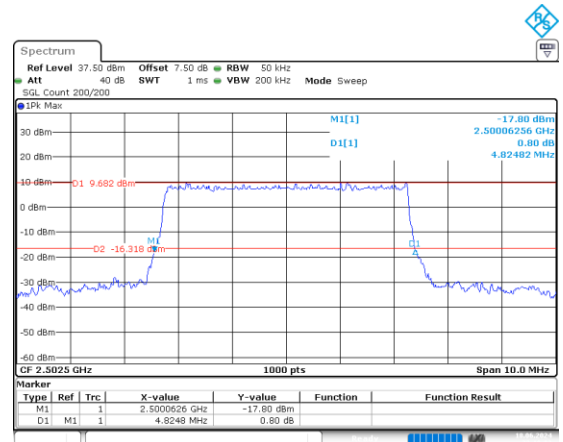
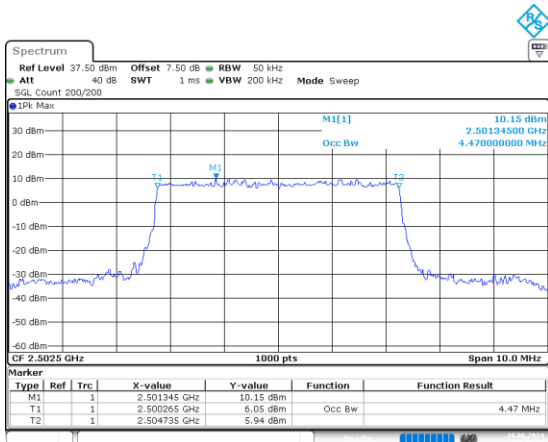
Mode	99% OBW (MHz)	EBW (MHz)
2_10MHz_High_QPSK_50@0	8.940	9.449
2_10MHz_High_16QAM_50@0	8.940	9.349
2_15MHz_Low_QPSK_75@0	13.380	14.354
2_15MHz_Low_16QAM_75@0	13.410	15.466
2_15MHz_Middle_QPSK_75@0	13.410	14.505
2_15MHz_Middle_16QAM_75@0	13.440	14.444
2_15MHz_High_QPSK_75@0	13.440	14.625
2_15MHz_High_16QAM_75@0	13.440	14.234
2_20MHz_Low_QPSK_100@0	17.920	18.819
2_20MHz_Low_16QAM_100@0	17.920	18.739
2_20MHz_Middle_QPSK_100@0	17.880	18.899
2_20MHz_Middle_16QAM_100@0	17.880	19.299
2_20MHz_High_QPSK_100@0	17.840	18.659
2_20MHz_High_16QAM_100@0	17.880	18.779

B7, Normal

5MHz_Low_QPSK_25@0

Occupied Bandwidth

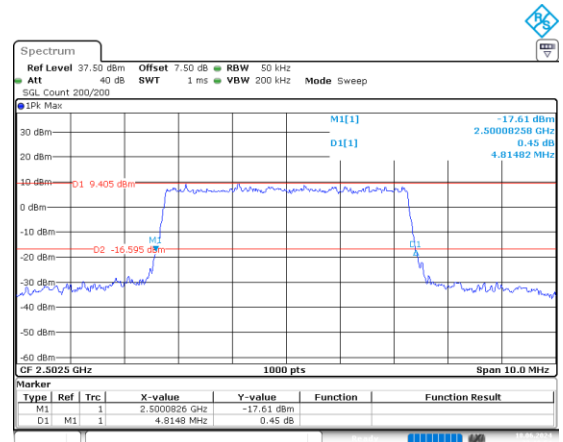
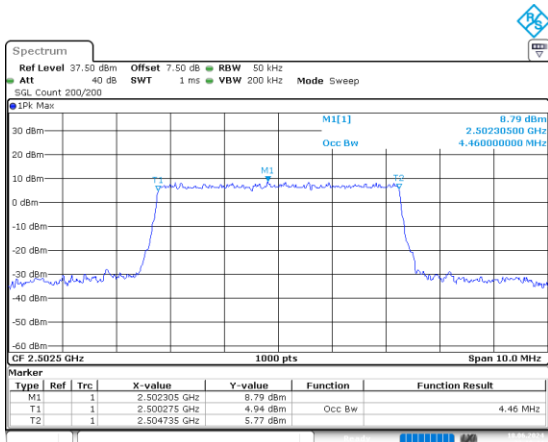
26dB Bandwidth



5MHz_Low_16QAM_25@0

Occupied Bandwidth

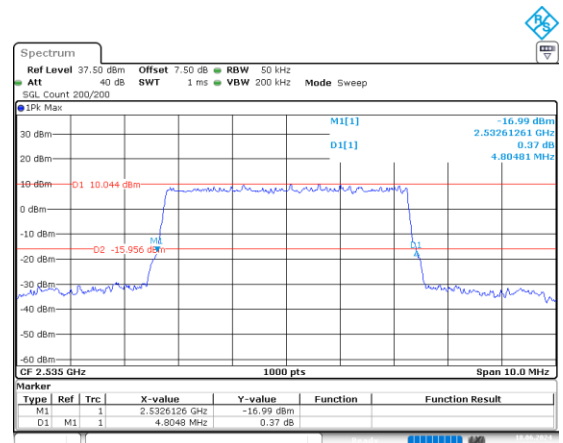
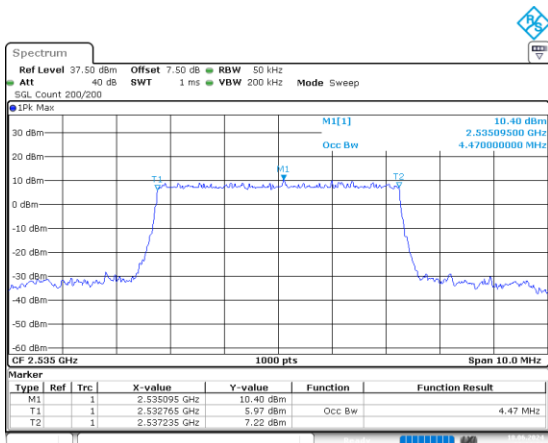
26dB Bandwidth



5MHz_Middle_QPSK_25@0

Occupied Bandwidth

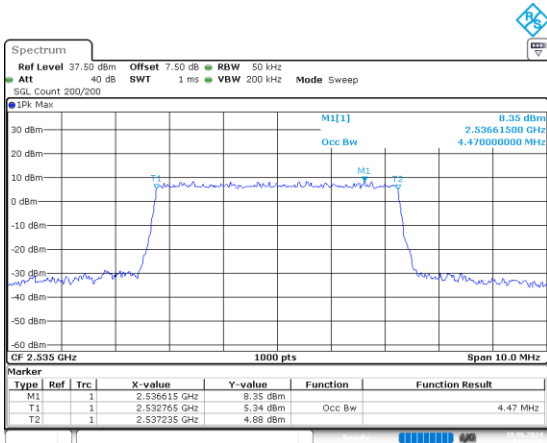
26dB Bandwidth



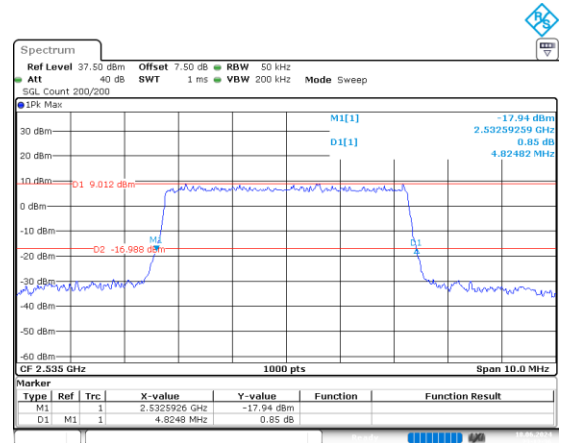
5MHz_Middle_16QAM_25@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:12:26

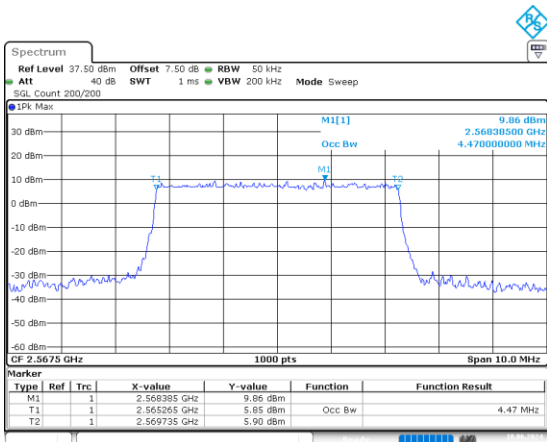


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:12:36

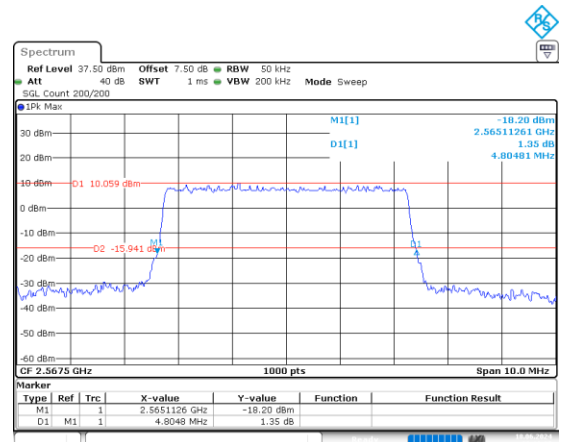
5MHz_High_QPSK_25@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:13:17

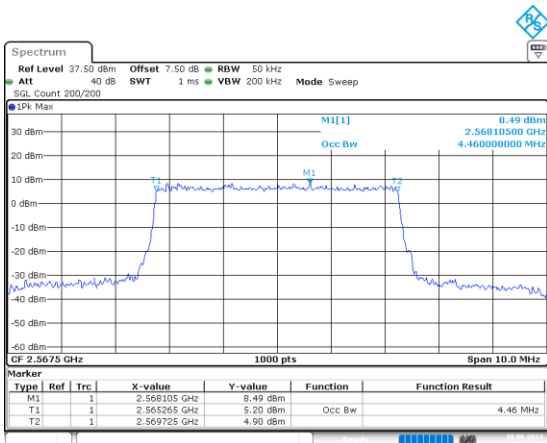


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:13:27

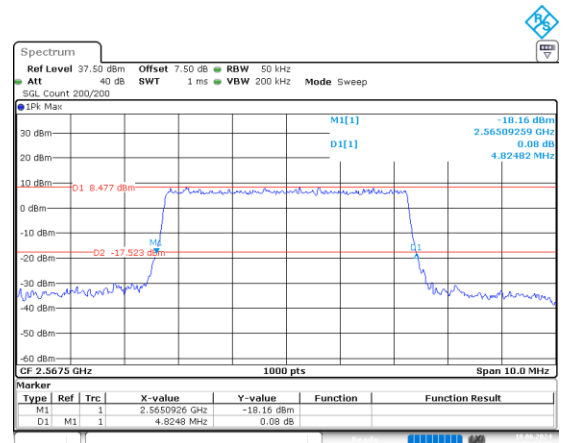
5MHz_High_16QAM_25@0

Occupied Bandwidth

26dB Bandwidth



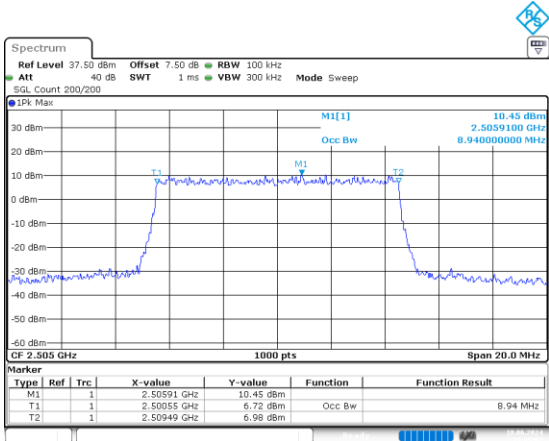
ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:14:09



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:14:20

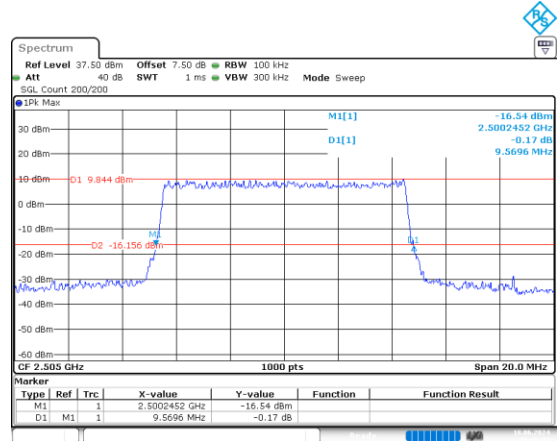
10MHz_Low_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:15:02

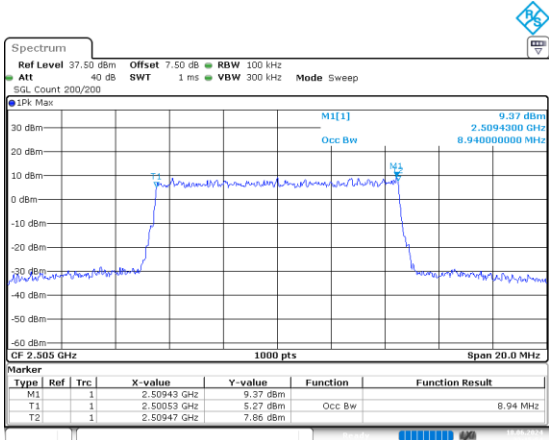
26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:15:12

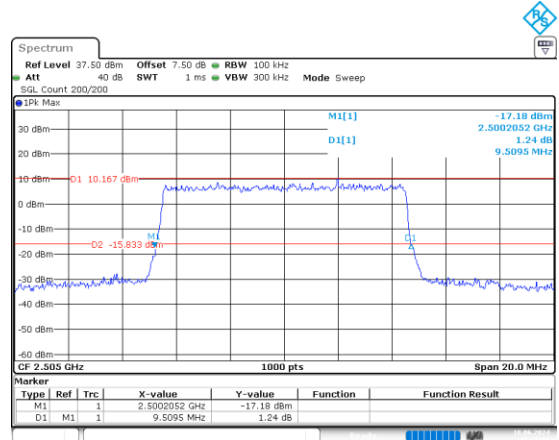
10MHz_Low_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:15:14

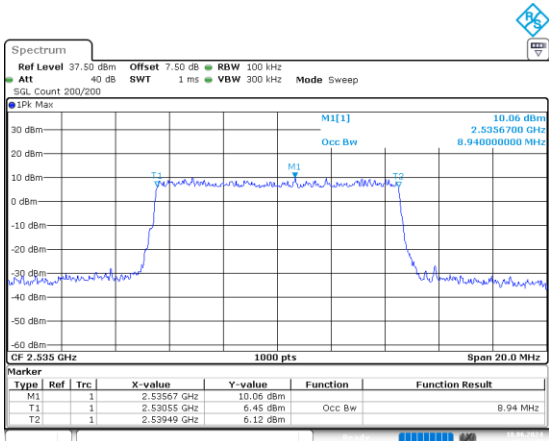
26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:16:05

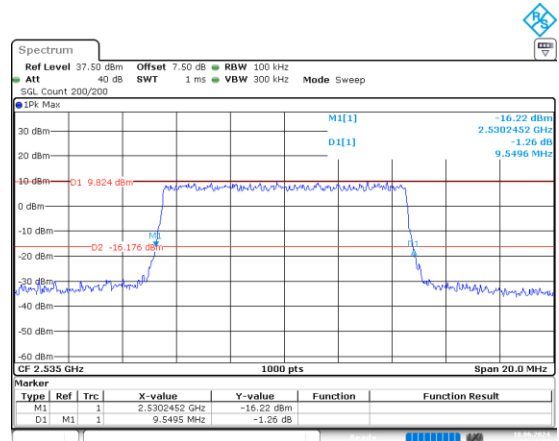
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:16:47

26dB Bandwidth

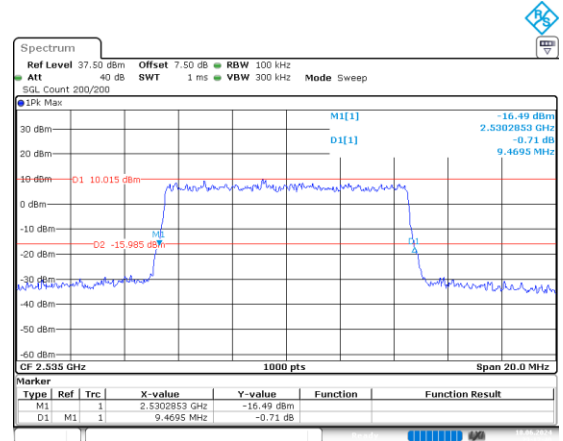
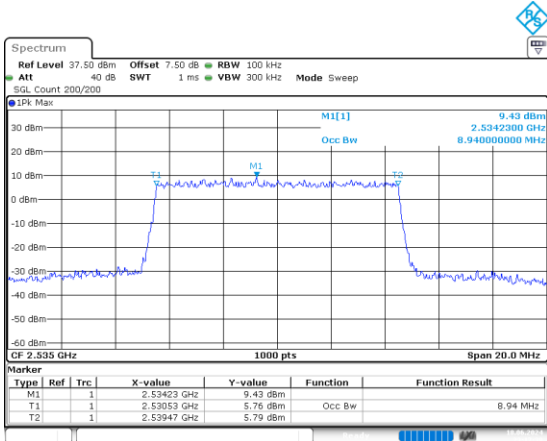


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:16:58

10MHz_Middle_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



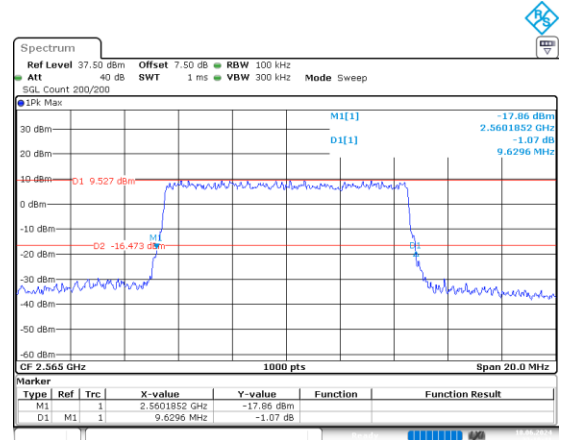
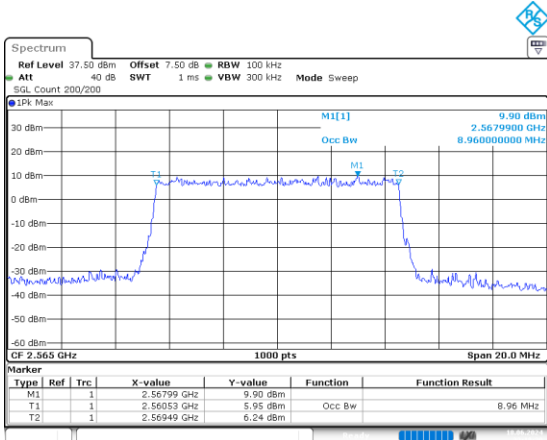
ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:17:38

ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:17:49

10MHz_High_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



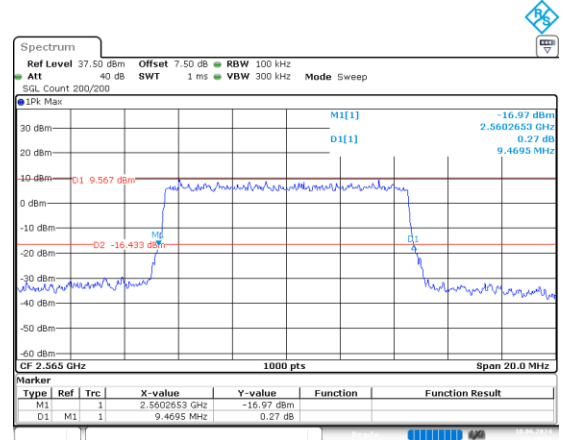
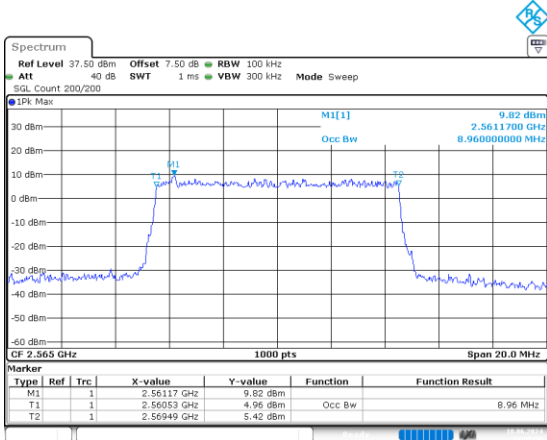
ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:18:30

ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:18:41

10MHz_High_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth

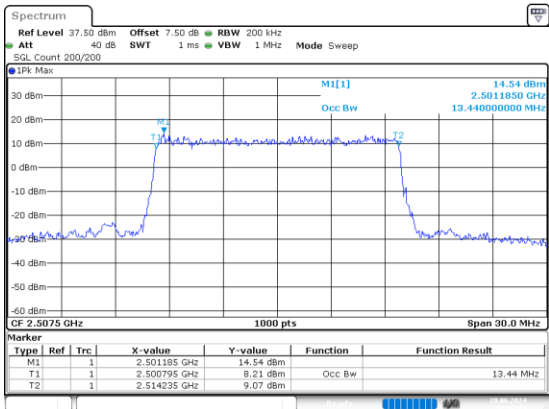


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:19:20

ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:19:31

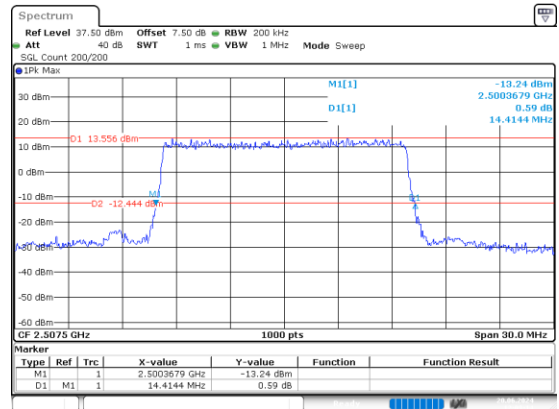
15MHz_Low_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 20 JUN 2024 12:03:04

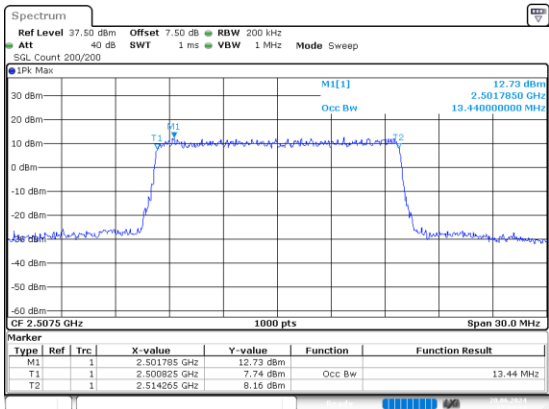
26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 20 JUN 2024 12:03:14

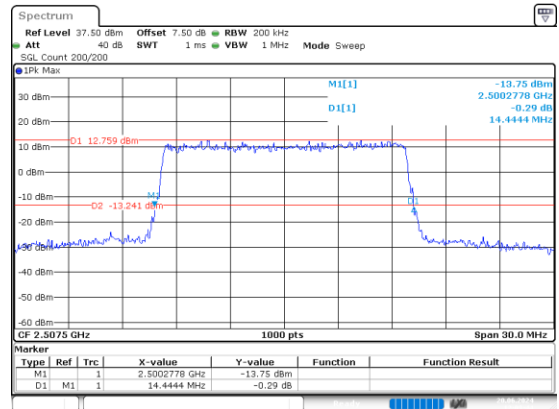
15MHz_Low_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 20 JUN 2024 12:03:34

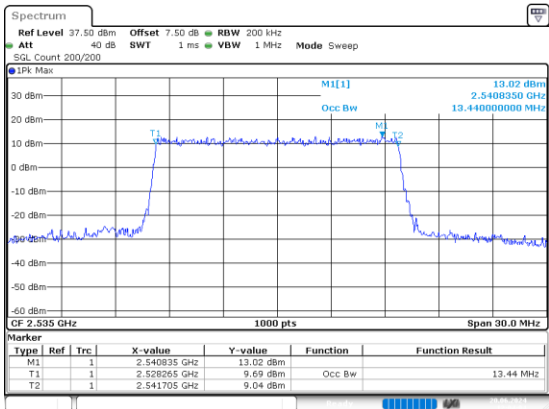
26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 20 JUN 2024 12:03:44

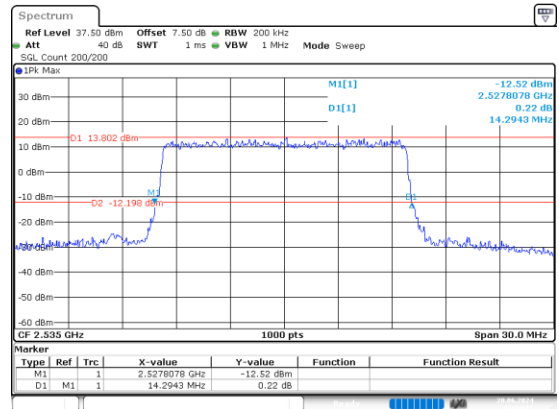
15MHz_Middle_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 20 JUN 2024 12:04:04

26dB Bandwidth

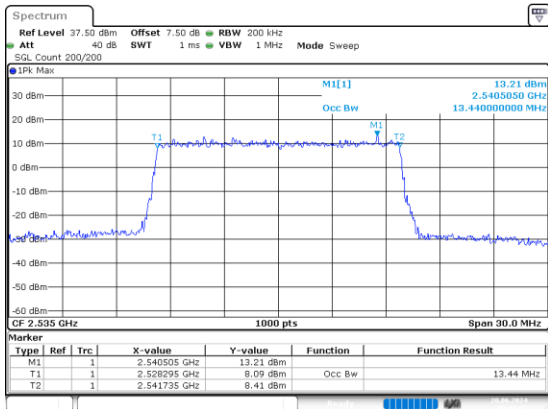


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 20 JUN 2024 12:04:15

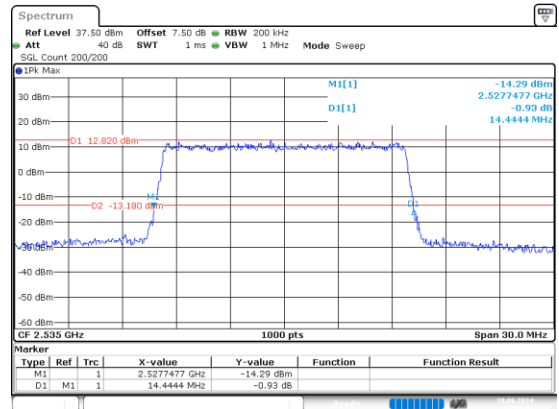
15MHz_Middle_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 20.JUN.2024 12:04:35

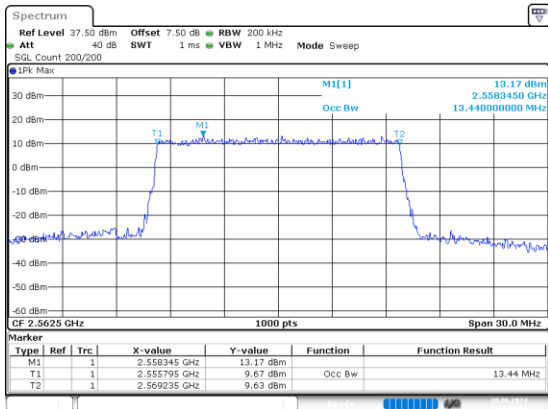


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 20.JUN.2024 12:04:46

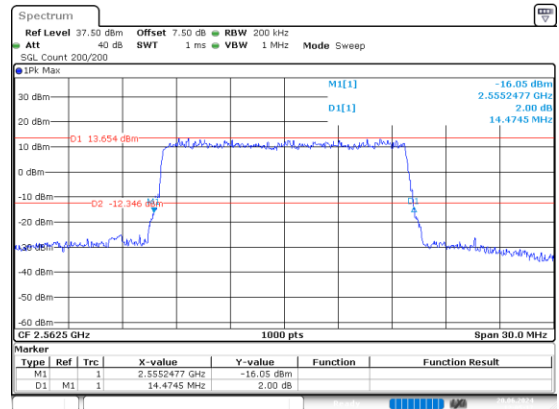
15MHz_High_QPSK_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 20.JUN.2024 12:05:07

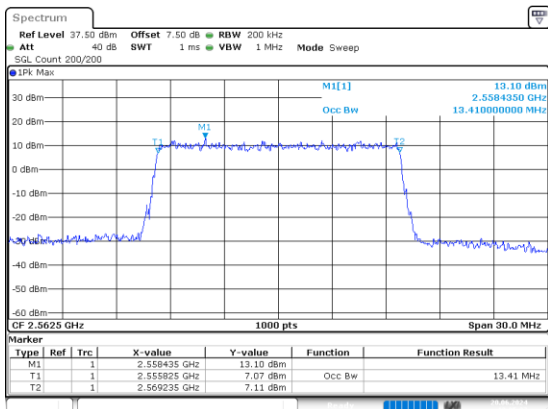


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 20.JUN.2024 12:05:17

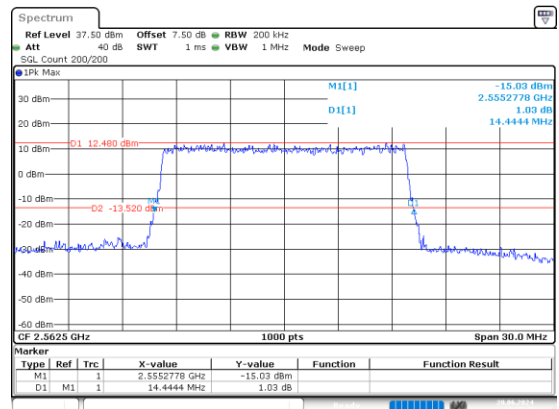
15MHz_High_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 20.JUN.2024 12:05:17

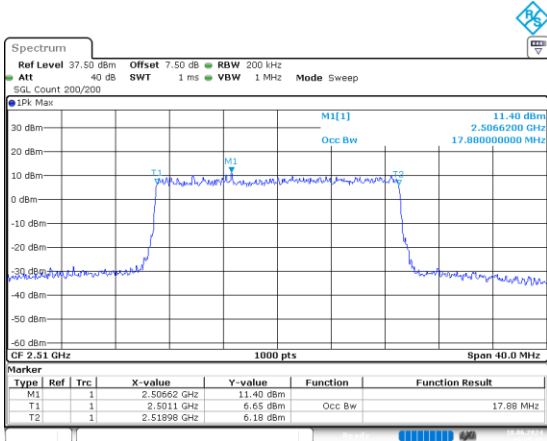


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 20.JUN.2024 12:05:47

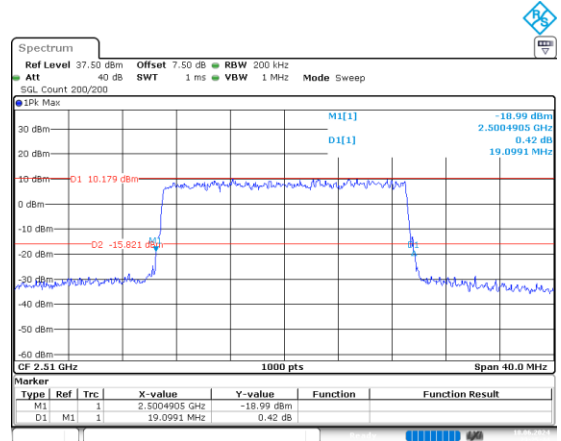
20MHz_Low_QPSK_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:25:33

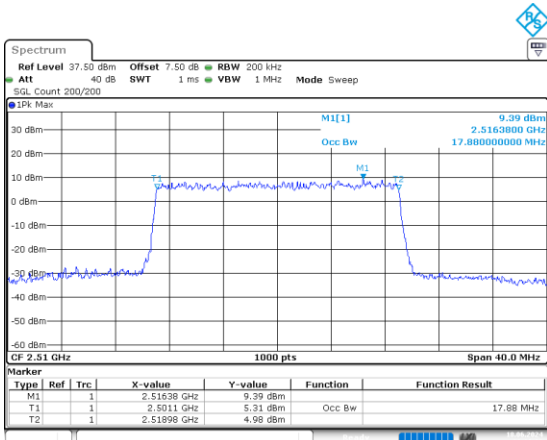


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:25:44

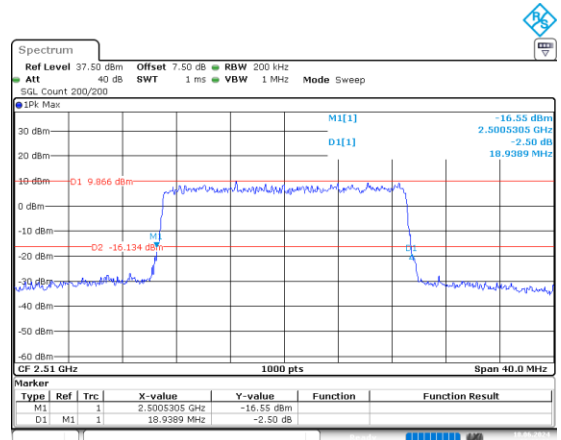
20MHz_Low_16QAM_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:26:28

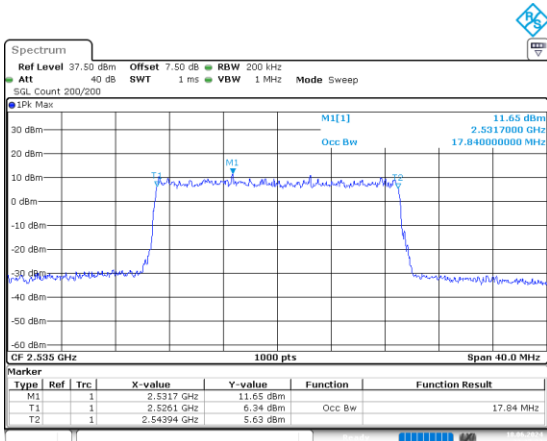


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:26:39

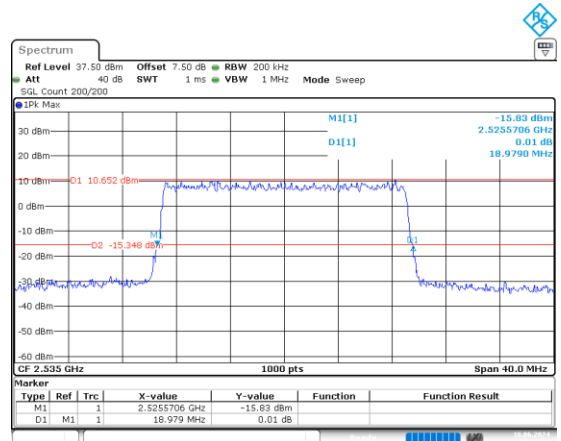
20MHz_Middle_QPSK_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:27:23

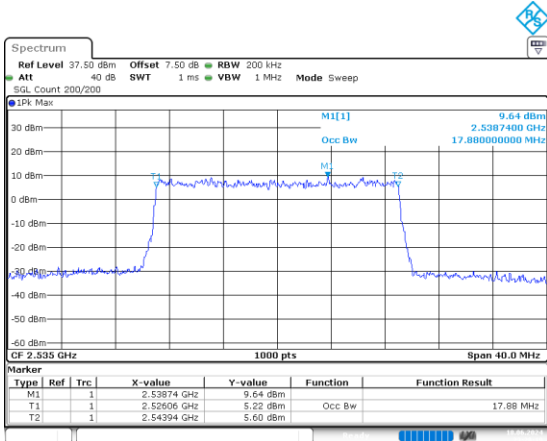


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18_JUN_2024 23:27:34

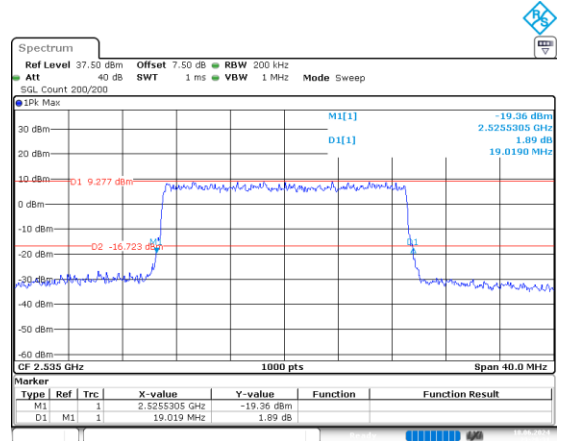
20MHz_Middle_16QAM_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:28:19

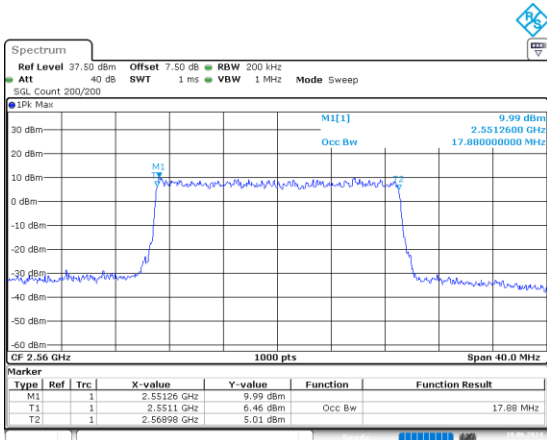


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:28:31

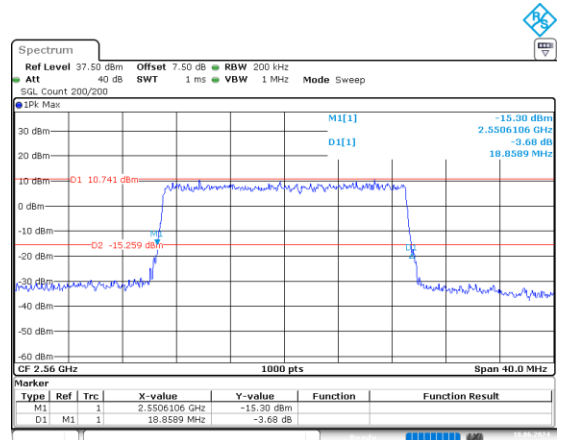
20MHz_High_QPSK_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:29:17

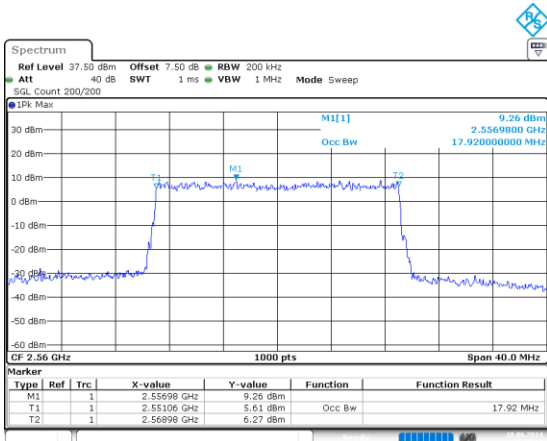


ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:29:28

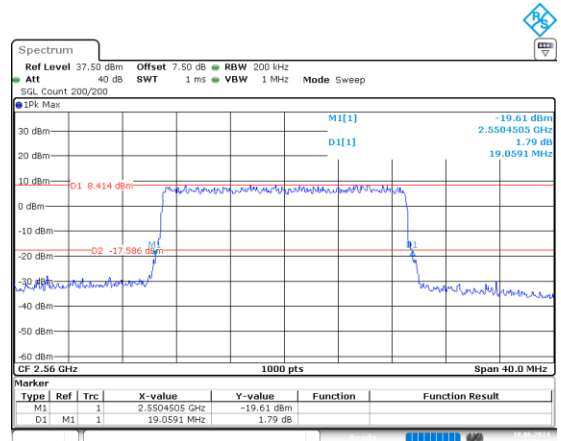
20MHz_High_16QAM_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:30:15



ProjectNo.:2402U81179E-RF Tester:Karl Liang
Date: 18 JUN 2024 23:30:26