

Appendix C

Test Information:

Serial No.:	2MPD-1	Test Date:	2024/07/20~2024/07/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	Karl Liang	Test Result:	Pass

Environmental Conditions:

Temperature: (℃):	26.7~28	Relative Humidity: (%)	51~64	ATM Pressure: (kPa)	99.9~100.9
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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	-1.1	-0.001	±2.5	Pass
10MHz_Middle_16QAM_50@0	-2.2	-0.003	±2.5	Pass

B5 , T1/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	-2.5	-0.003	±2.5	Pass

B5 , T2/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	-3.2	-0.004	±2.5	Pass

B5 , T3/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	-7	-0.008	±2.5	Pass

B5 , T4/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-3.5	-0.004	±2.5	Pass
10MHz_Middle_16QAM_50@0	-2.9	-0.003	±2.5	Pass

B5 , T5/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-4.4	-0.005	±2.5	Pass
10MHz_Middle_16QAM_50@0	-5.8	-0.007	±2.5	Pass

B5 , T6/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-0.8	-0.001	±2.5	Pass
10MHz_Middle_16QAM_50@0	-6.4	-0.008	±2.5	Pass

B5 , T7/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-3.1	-0.004	±2.5	Pass
10MHz_Middle_16QAM_50@0	-7.4	-0.009	±2.5	Pass

B5 , T8/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-6.6	-0.008	±2.5	Pass
10MHz_Middle_16QAM_50@0	-1.8	-0.002	±2.5	Pass

B5 , TN/VH

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-7.8	-0.009	±2.5	Pass
10MHz_Middle_16QAM_50@0	-7.2	-0.009	±2.5	Pass

B5 , TN/VL

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Result
10MHz_Middle_QPSK_50@0	-8.8	-0.010	±2.5	Pass
10MHz_Middle_16QAM_50@0	-6.1	-0.007	±2.5	Pass

Note:

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

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

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	2501.13	2518.931	2500 ~ 2570	Pass
20MHz_Low_16QAM_100@0	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.13	2568.931	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.13	2568.931	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	2501.13	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.07	2568.931	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.07	2568.931	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	2501.07	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 , 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	2501.07	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.13	2568.871	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	2551.13	2568.931	2500 ~ 2570	Pass

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_High_16QAM_100@0	2551.13	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	2501.07	2518.991	2500 ~ 2570	Pass
20MHz_High_QPSK_100@0	2551.13	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	2501.13	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
20MHz_High_16QAM_100@0	2551.07	2568.931	2500 ~ 2570	Pass

B7 , T7/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	2551.13	2568.931	2500 ~ 2570	Pass
20MHz_High_16QAM_100@0	2551.07	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	2501.07	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 , TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2501.13	2518.991	2500 ~ 2570	Pass

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
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 , 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	2501.07	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

B38 , TN/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	2618.931	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	2571.07	2588.991	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.07	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.13	2618.991	2570 ~ 2620	Pass

B38 , T2/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	2601.07	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.13	2618.931	2570 ~ 2620	Pass

B38 , T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.13	2589.051	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	2571.07	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 , 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	2588.991	2570 ~ 2620	Pass
20MHz_High_QPSK_100@0	2601.13	2618.991	2570 ~ 2620	Pass
20MHz_High_16QAM_100@0	2601.13	2618.931	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	2618.931	2570 ~ 2620	Pass

B38 , T7/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	2601.07	2618.991	2570 ~ 2620	Pass

B38 , T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.07	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	2618.991	2570 ~ 2620	Pass

B38 , TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
20MHz_Low_QPSK_100@0	2571.07	2588.931	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	2618.931	2570 ~ 2620	Pass

B38 , TN/VL

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	2571.13	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_3 , TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
3_20MHz_Low_QPSK_100@0	2556.13	2573.931	2555 ~ 2655	Pass
3_20MHz_Low_16QAM_100@0	2556.07	2573.931	2555 ~ 2655	Pass
3_20MHz_High_QPSK_100@0	2636.07	2653.991	2555 ~ 2655	Pass
3_20MHz_High_16QAM_100@0	2636.07	2653.991	2555 ~ 2655	Pass

B41_3 , T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
3_20MHz_Low_QPSK_100@0	2556.07	2573.931	2555 ~ 2655	Pass
3_20MHz_Low_16QAM_100@0	2556.13	2573.991	2555 ~ 2655	Pass
3_20MHz_High_QPSK_100@0	2636.07	2653.991	2555 ~ 2655	Pass
3_20MHz_High_16QAM_100@0	2636.07	2653.991	2555 ~ 2655	Pass

B41_3 , T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
3_20MHz_Low_QPSK_100@0	2556.13	2573.931	2555 ~ 2655	Pass
3_20MHz_Low_16QAM_100@0	2556.07	2573.991	2555 ~ 2655	Pass
3_20MHz_High_QPSK_100@0	2636.07	2653.991	2555 ~ 2655	Pass
3_20MHz_High_16QAM_100@0	2636.13	2653.931	2555 ~ 2655	Pass

B41_3 , T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
3_20MHz_Low_QPSK_100@0	2556.07	2573.991	2555 ~ 2655	Pass
3_20MHz_Low_16QAM_100@0	2556.13	2573.991	2555 ~ 2655	Pass
3_20MHz_High_QPSK_100@0	2636.13	2653.991	2555 ~ 2655	Pass
3_20MHz_High_16QAM_100@0	2636.13	2653.931	2555 ~ 2655	Pass

B41_3 , T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
3_20MHz_Low_QPSK_100@0	2556.07	2573.991	2555 ~ 2655	Pass
3_20MHz_Low_16QAM_100@0	2556.07	2573.991	2555 ~ 2655	Pass
3_20MHz_High_QPSK_100@0	2636.13	2653.931	2555 ~ 2655	Pass
3_20MHz_High_16QAM_100@0	2636.07	2653.991	2555 ~ 2655	Pass

B41_3 , T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
3_20MHz_Low_QPSK_100@0	2556.07	2573.991	2555 ~ 2655	Pass
3_20MHz_Low_16QAM_100@0	2556.13	2573.931	2555 ~ 2655	Pass
3_20MHz_High_QPSK_100@0	2636.07	2653.931	2555 ~ 2655	Pass
3_20MHz_High_16QAM_100@0	2636.07	2653.991	2555 ~ 2655	Pass

B41_3 , T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
3_20MHz_Low_QPSK_100@0	2556.13	2573.991	2555 ~ 2655	Pass
3_20MHz_Low_16QAM_100@0	2556.13	2573.991	2555 ~ 2655	Pass
3_20MHz_High_QPSK_100@0	2636.01	2653.991	2555 ~ 2655	Pass
3_20MHz_High_16QAM_100@0	2636.07	2653.991	2555 ~ 2655	Pass

B41_3 , T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
3_20MHz_Low_QPSK_100@0	2556.07	2573.931	2555 ~ 2655	Pass
3_20MHz_Low_16QAM_100@0	2556.13	2573.991	2555 ~ 2655	Pass
3_20MHz_High_QPSK_100@0	2636.07	2653.991	2555 ~ 2655	Pass
3_20MHz_High_16QAM_100@0	2636.07	2653.931	2555 ~ 2655	Pass

B41_3 , T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
3_20MHz_Low_QPSK_100@0	2556.13	2573.991	2555 ~ 2655	Pass
3_20MHz_Low_16QAM_100@0	2556.07	2573.931	2555 ~ 2655	Pass
3_20MHz_High_QPSK_100@0	2636.13	2653.991	2555 ~ 2655	Pass
3_20MHz_High_16QAM_100@0	2636.07	2653.931	2555 ~ 2655	Pass

B41_3 , TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
3_20MHz_Low_QPSK_100@0	2556.07	2573.931	2555 ~ 2655	Pass
3_20MHz_Low_16QAM_100@0	2556.07	2573.991	2555 ~ 2655	Pass
3_20MHz_High_QPSK_100@0	2636.13	2653.871	2555 ~ 2655	Pass
3_20MHz_High_16QAM_100@0	2636.13	2653.991	2555 ~ 2655	Pass

B41_3 , TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Result
3_20MHz_Low_QPSK_100@0	2556.07	2573.991	2555 ~ 2655	Pass
3_20MHz_Low_16QAM_100@0	2556.07	2573.991	2555 ~ 2655	Pass
3_20MHz_High_QPSK_100@0	2636.07	2653.991	2555 ~ 2655	Pass
3_20MHz_High_16QAM_100@0	2636.07	2653.991	2555 ~ 2655	Pass

Note:
TN: 20 ℃; T1: -30 ℃; T2: -20 ℃; T3: -10 ℃; T4: 0 ℃; T5: 10 ℃; T6: 30 ℃; T7: 40 ℃; T8: 50 ℃.
VN: Normal Voltage; VL: Low Voltage; VH: High Voltage.

Occupied Bandwidth

FCC Part 22H

B5 , Normal

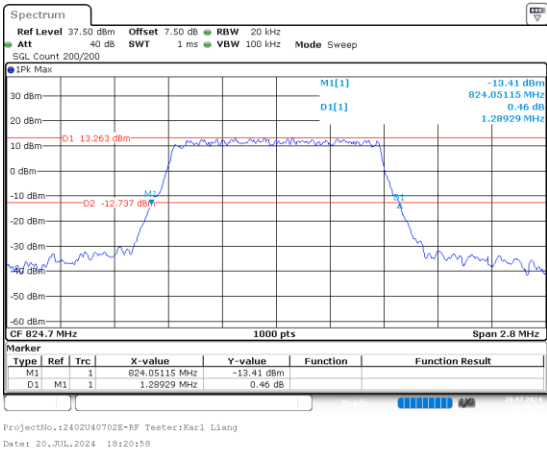
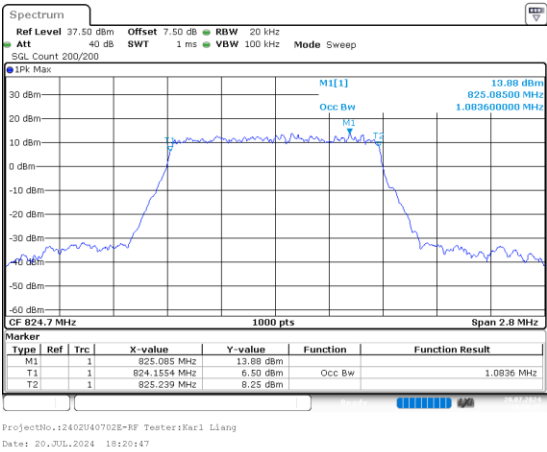
Mode	99% OBW (MHz)	EBW (MHz)
1.4MHz_Low_QPSK_6@0	1.084	1.289
1.4MHz_Low_16QAM_6@0	1.081	1.256
1.4MHz_Middle_QPSK_6@0	1.084	1.270
1.4MHz_Middle_16QAM_6@0	1.075	1.270
1.4MHz_High_QPSK_6@0	1.072	1.236
1.4MHz_High_16QAM_6@0	1.084	1.256
3MHz_Low_QPSK_15@0	2.682	2.853
3MHz_Low_16QAM_15@0	2.682	2.871
3MHz_Middle_QPSK_15@0	2.676	2.853
3MHz_Middle_16QAM_15@0	2.676	2.877
3MHz_High_QPSK_15@0	2.682	2.871
3MHz_High_16QAM_15@0	2.676	2.847
5MHz_Low_QPSK_25@0	4.460	4.795
5MHz_Low_16QAM_25@0	4.460	4.815
5MHz_Middle_QPSK_25@0	4.460	4.855
5MHz_Middle_16QAM_25@0	4.480	4.855
5MHz_High_QPSK_25@0	4.460	4.775
5MHz_High_16QAM_25@0	4.460	4.845
10MHz_Low_QPSK_50@0	8.940	9.570
10MHz_Low_16QAM_50@0	8.960	9.550
10MHz_Middle_QPSK_50@0	8.940	9.590
10MHz_Middle_16QAM_50@0	8.940	9.610
10MHz_High_QPSK_50@0	8.940	9.490
10MHz_High_16QAM_50@0	8.920	9.570

B5 , Normal

1.4MHz_Low_QPSK_6@0

Occupied Bandwidth

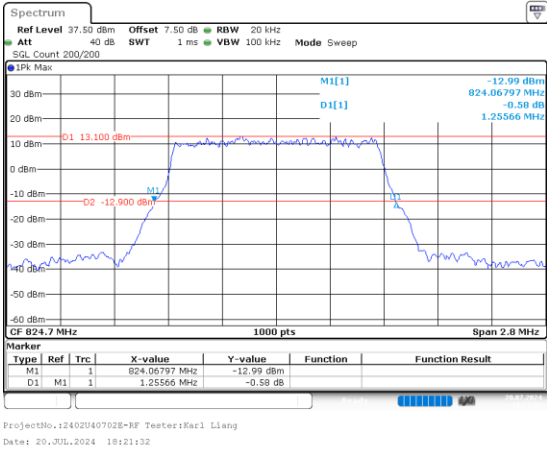
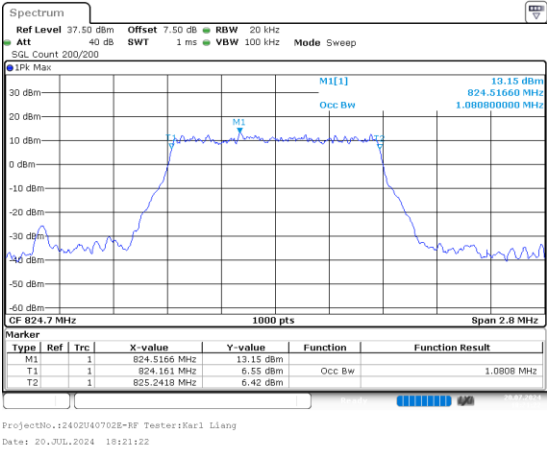
26dB Bandwidth



1.4MHz_Low_16QAM_6@0

Occupied Bandwidth

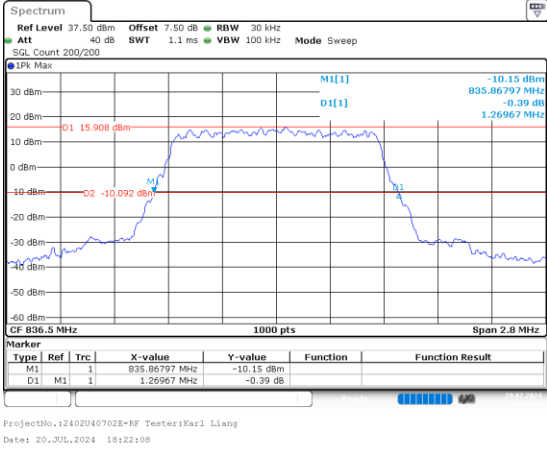
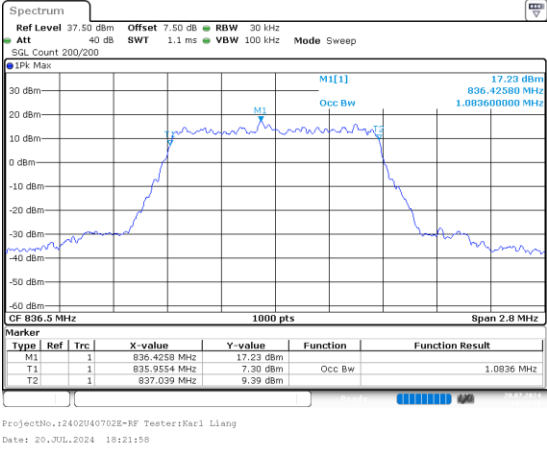
26dB Bandwidth



1.4MHz_Middle_QPSK_6@0

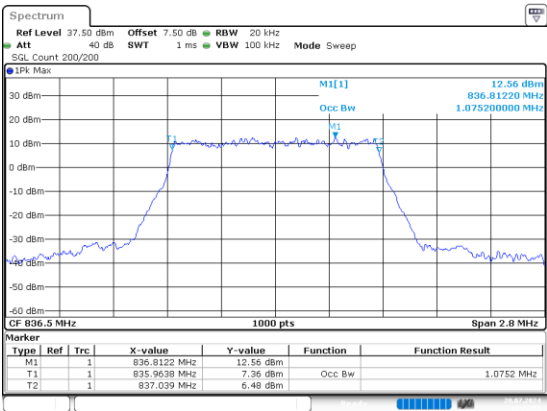
Occupied Bandwidth

26dB Bandwidth



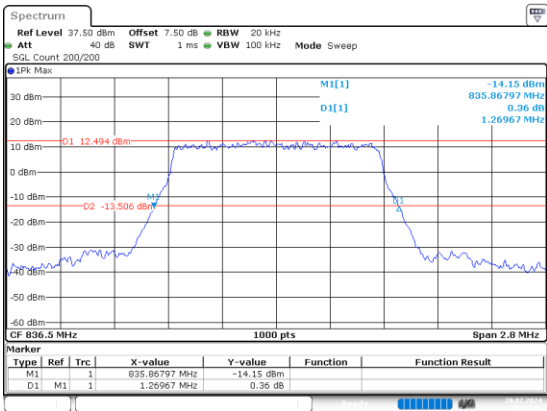
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:22:53

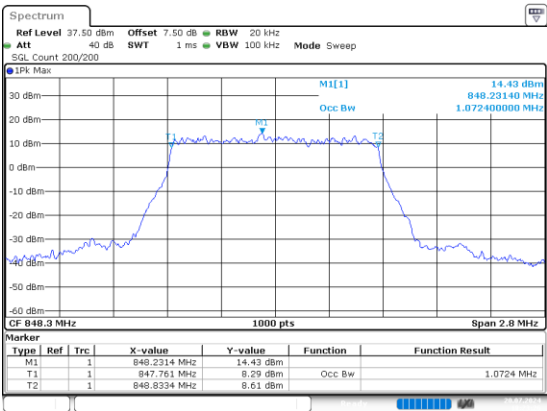
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:23:02

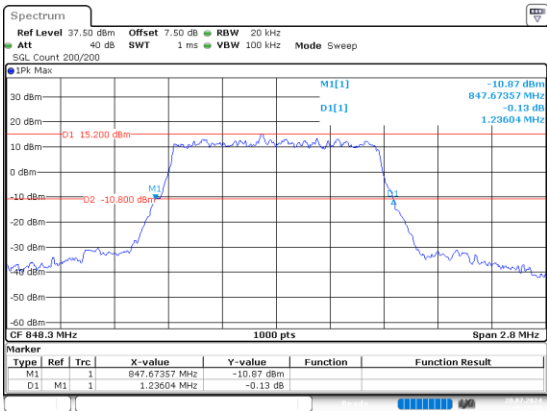
1.4MHz_High_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:23:26

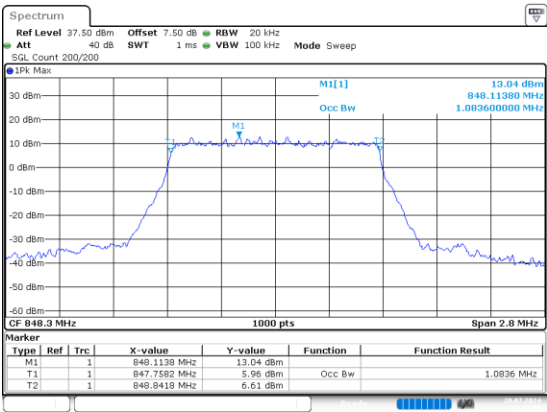
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:23:36

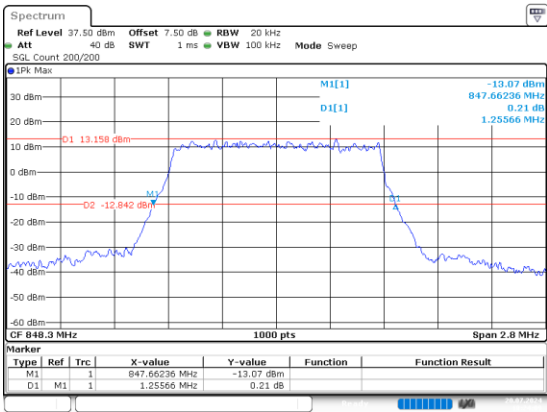
1.4MHz_High_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:23:59

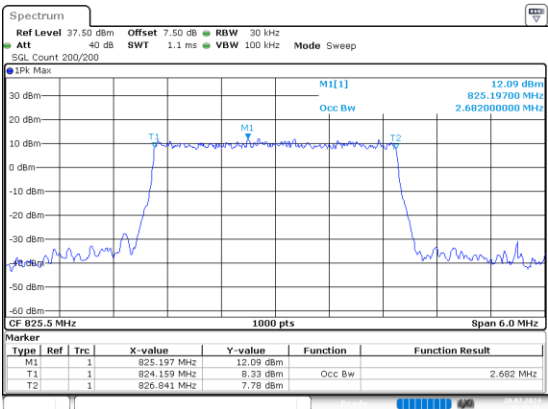
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:24:09

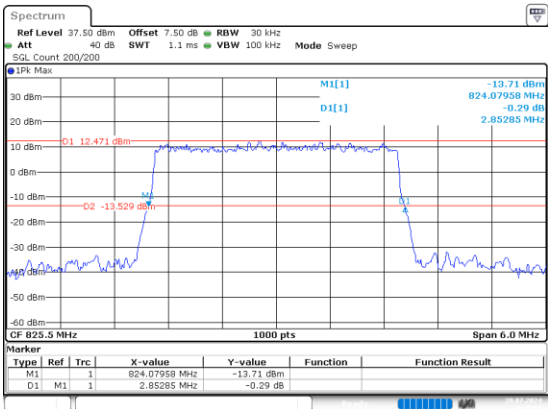
3MHz_Low_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:24:56

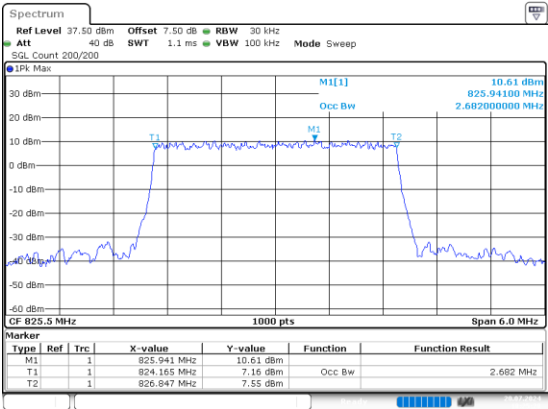
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:25:08

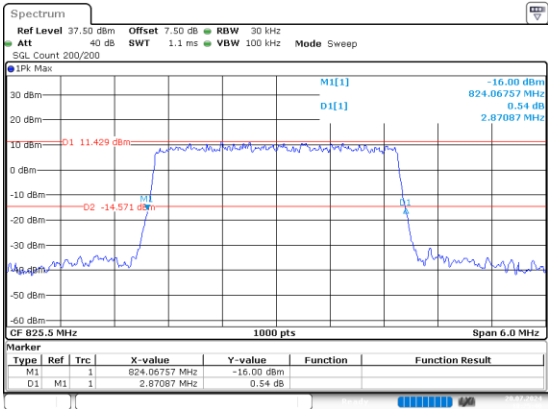
3MHz_Low_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:25:28

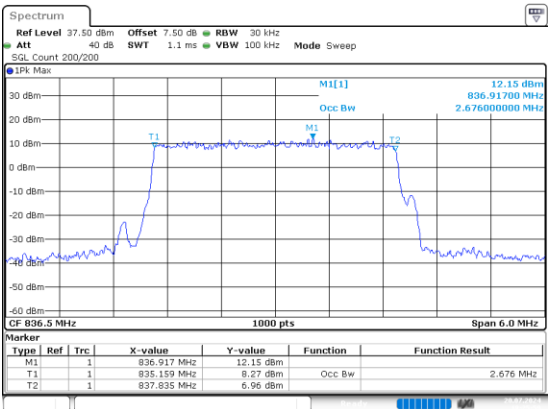
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:25:39

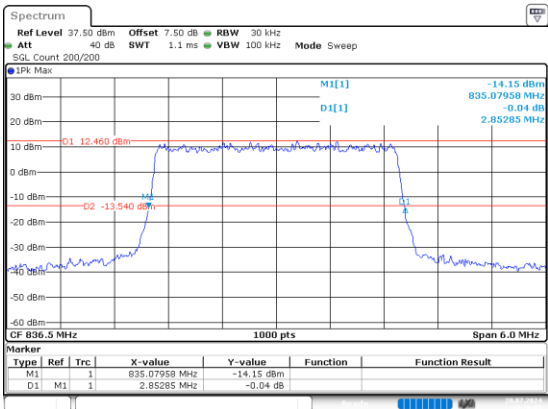
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:25:59

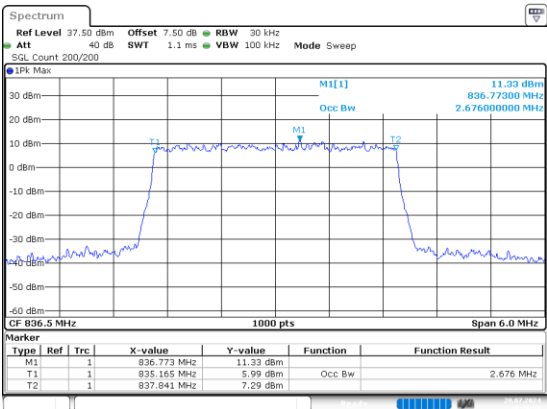
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:26:09

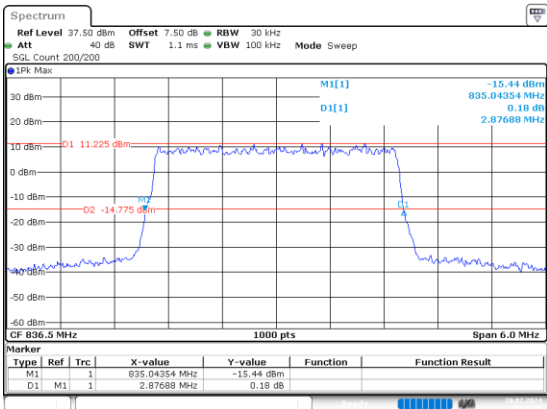
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:26:28

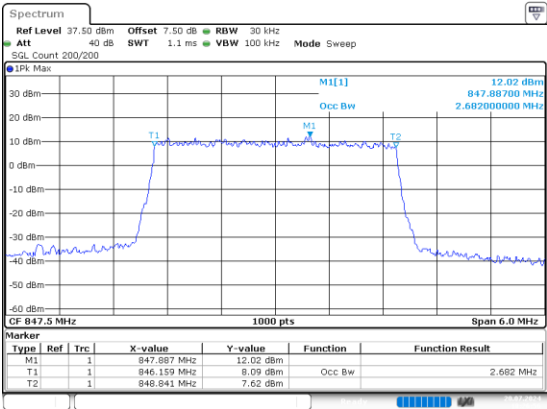
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:26:38

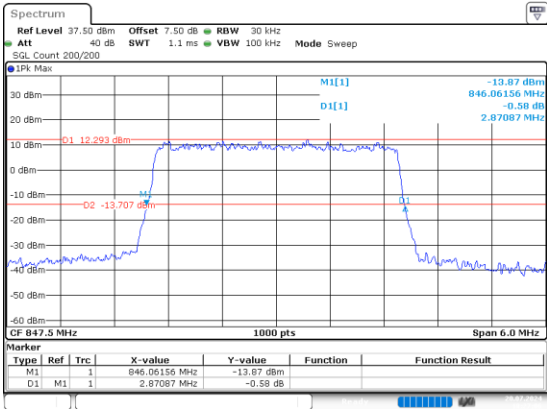
3MHz_High_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:26:56

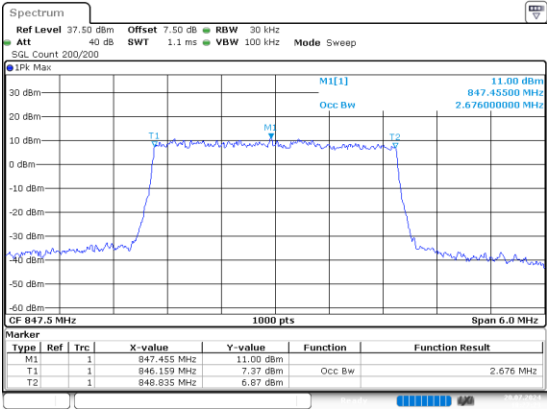
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:27:06

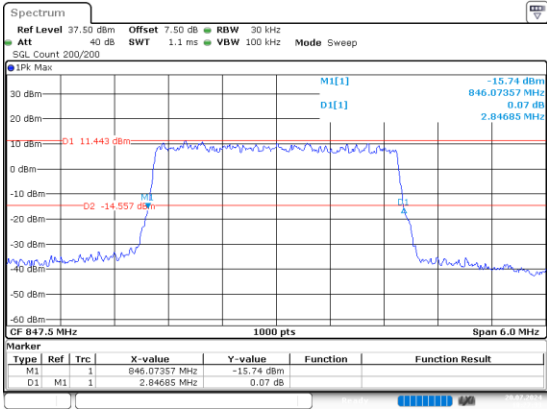
3MHz_High_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:27:23

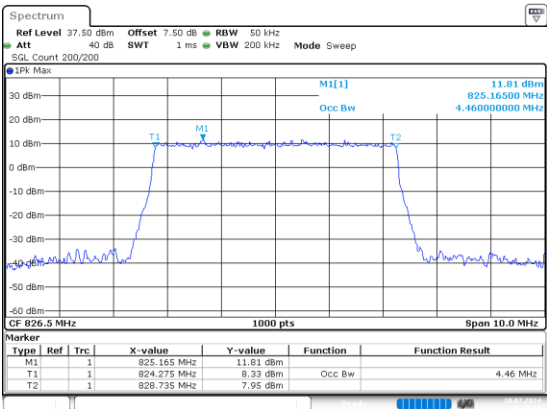
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:27:33

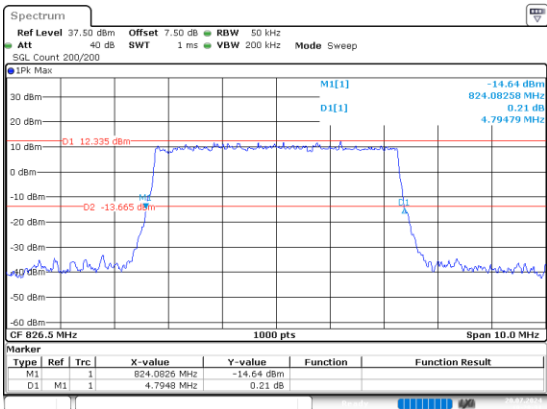
5MHz_Low_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 20.JUL.2024 18:28:21

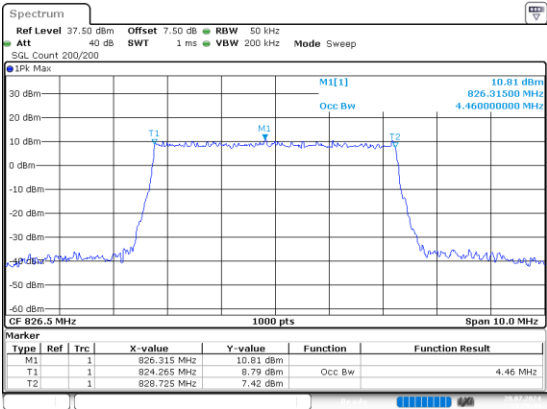
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 20.JUL.2024 18:28:31

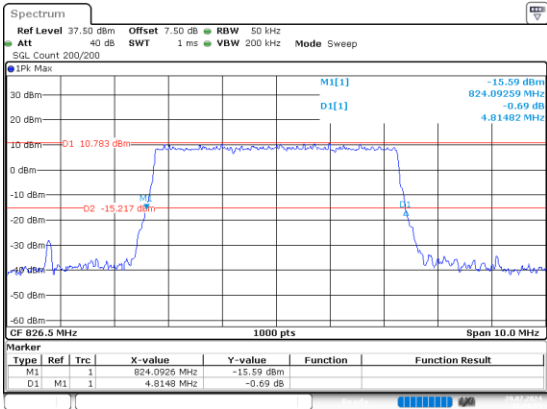
5MHz_Low_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 20.JUL.2024 18:28:49

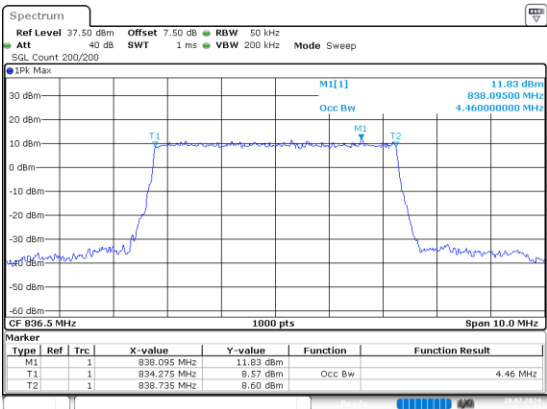
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 20.JUL.2024 18:28:59

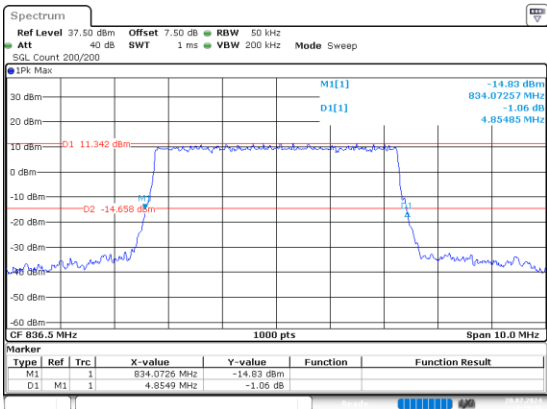
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 20.JUL.2024 18:29:16

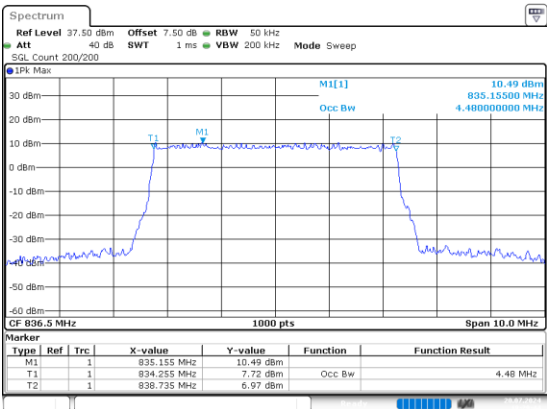
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 20.JUL.2024 18:29:26

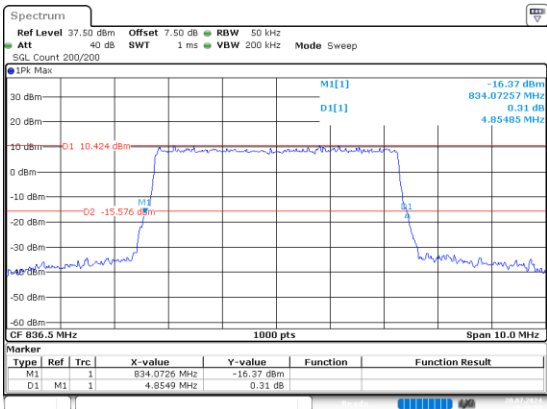
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:29:44

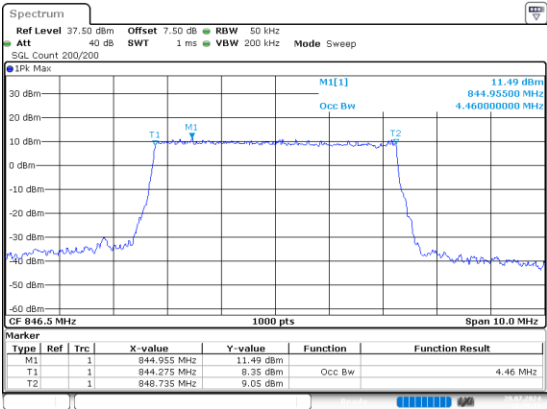
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:29:54

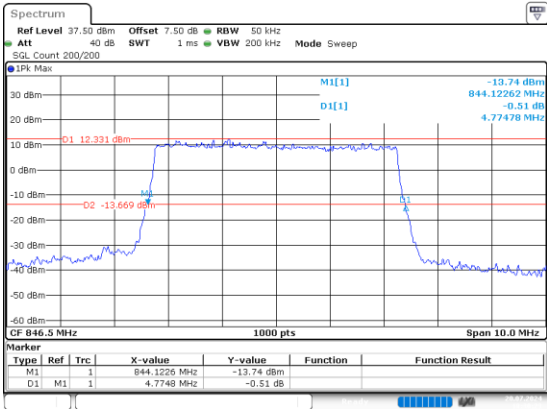
5MHz_High_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:30:13

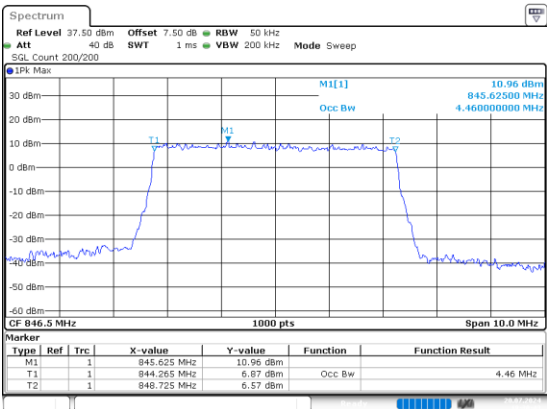
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:30:23

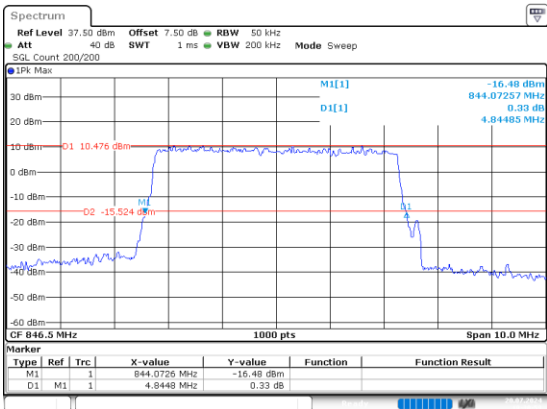
5MHz_High_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:30:42

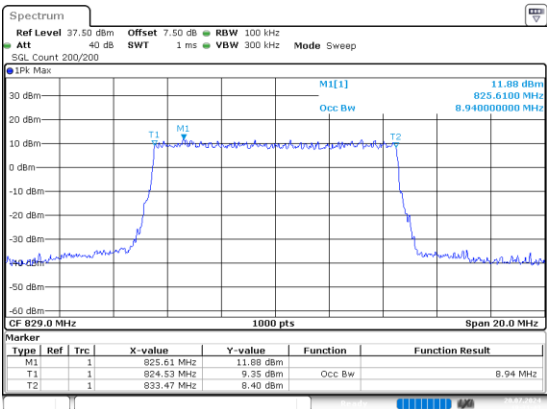
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:30:53

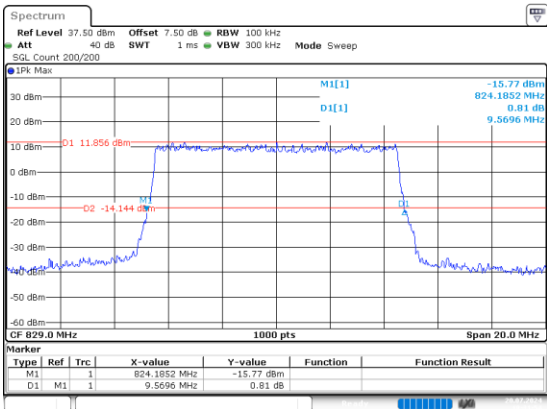
10MHz_Low_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:31:42

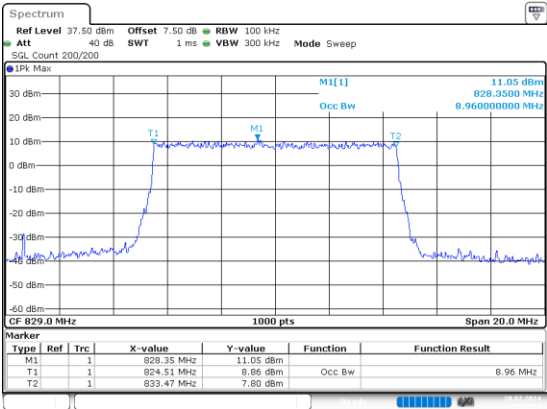
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:31:53

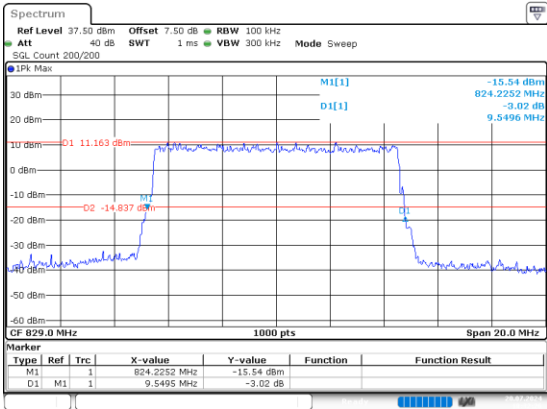
10MHz_Low_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:32:14

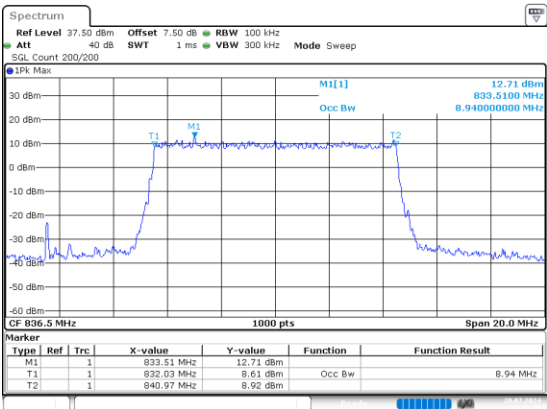
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:32:26

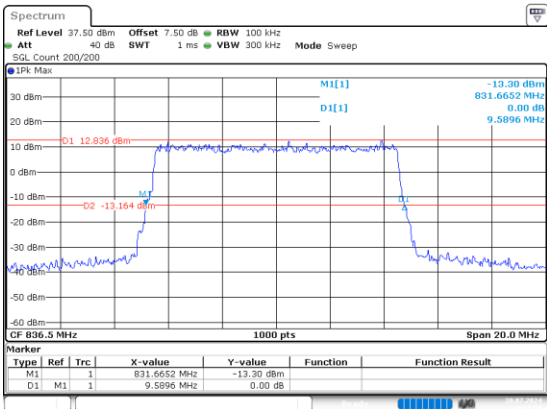
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:32:48

26dB Bandwidth

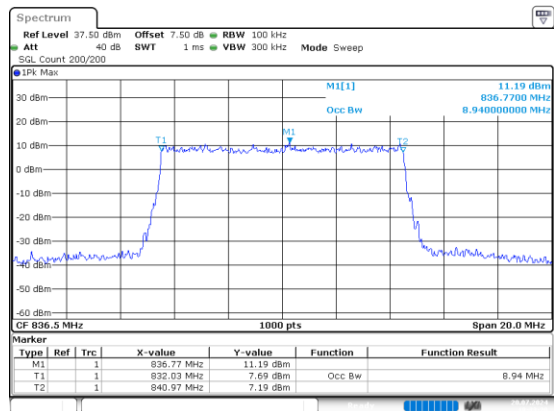


ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 20.JUL.2024 18:32:59

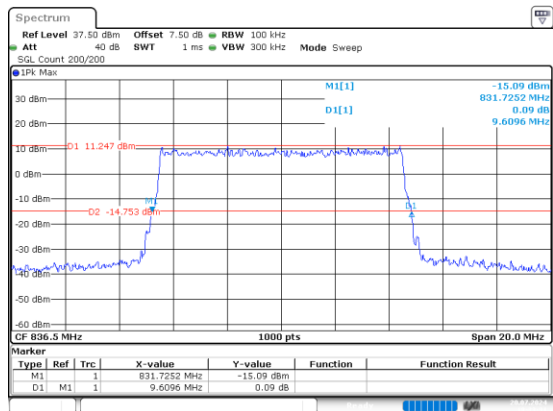
10MHz_Middle_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 20.JUL.2024 18:33:20

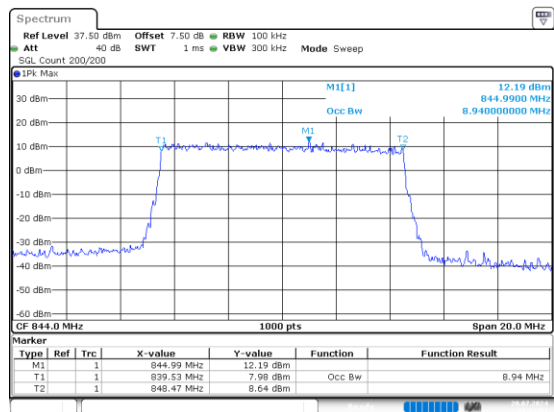


ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 20.JUL.2024 18:33:31

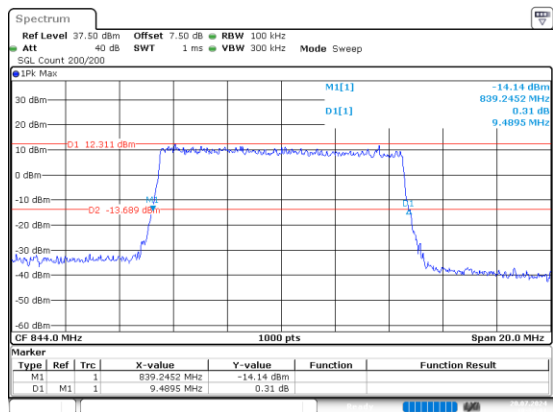
10MHz_High_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 20.JUL.2024 18:33:51

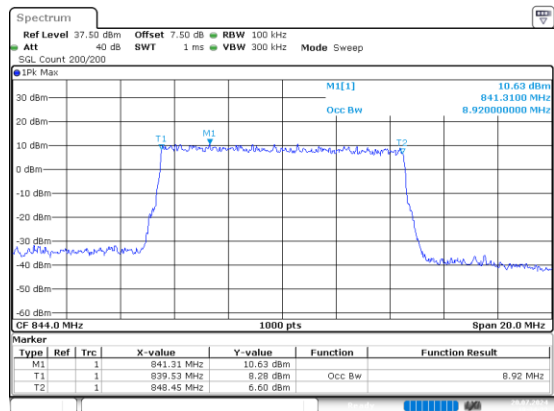


ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 20.JUL.2024 18:34:01

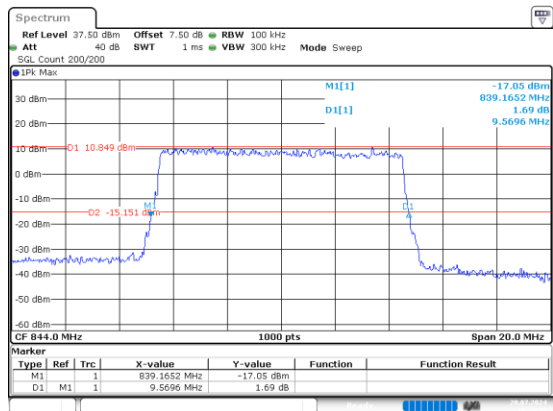
10MHz_High_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 20.JUL.2024 18:34:21



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 20.JUL.2024 18:34:32

FCC Part 27

B7 , Normal

Mode	99% OBW (MHz)	EBW (MHz)
5MHz_Low_QPSK_25@0	4.470	4.805
5MHz_Low_16QAM_25@0	4.460	4.795
5MHz_Middle_QPSK_25@0	4.470	4.825
5MHz_Middle_16QAM_25@0	4.470	4.775
5MHz_High_QPSK_25@0	4.460	4.815
5MHz_High_16QAM_25@0	4.480	4.795
10MHz_Low_QPSK_50@0	8.980	9.490
10MHz_Low_16QAM_50@0	8.920	9.570
10MHz_Middle_QPSK_50@0	8.960	9.550
10MHz_Middle_16QAM_50@0	8.940	9.570
10MHz_High_QPSK_50@0	8.940	9.489
10MHz_High_16QAM_50@0	8.940	9.570
15MHz_Low_QPSK_75@0	13.440	14.264
15MHz_Low_16QAM_75@0	13.440	14.354
15MHz_Middle_QPSK_75@0	13.440	14.294
15MHz_Middle_16QAM_75@0	13.410	14.595
15MHz_High_QPSK_75@0	13.410	14.474
15MHz_High_16QAM_75@0	13.440	14.535
20MHz_Low_QPSK_100@0	17.880	18.819
20MHz_Low_16QAM_100@0	17.800	19.860
20MHz_Middle_QPSK_100@0	17.920	18.779
20MHz_Middle_16QAM_100@0	17.840	18.899
20MHz_High_QPSK_100@0	17.800	18.739
20MHz_High_16QAM_100@0	17.840	18.939

B38 , Normal

Mode	99% OBW (MHz)	EBW (MHz)
5MHz_Low_QPSK_25@0	4.470	4.905
5MHz_Low_16QAM_25@0	4.460	4.895
5MHz_Middle_QPSK_25@0	4.460	4.835
5MHz_Middle_16QAM_25@0	4.460	4.775

Mode	99% OBW (MHz)	EBW (MHz)
5MHz_High_QPSK_25@0	4.470	4.775
5MHz_High_16QAM_25@0	4.470	5.355
10MHz_Low_QPSK_50@0	8.940	12.833
10MHz_Low_16QAM_50@0	8.960	12.853
10MHz_Middle_QPSK_50@0	8.960	9.470
10MHz_Middle_16QAM_50@0	8.940	9.489
10MHz_High_QPSK_50@0	8.960	11.712
10MHz_High_16QAM_50@0	8.920	11.311
15MHz_Low_QPSK_75@0	13.440	14.324
15MHz_Low_16QAM_75@0	13.440	14.895
15MHz_Middle_QPSK_75@0	13.440	14.595
15MHz_Middle_16QAM_75@0	13.440	18.138
15MHz_High_QPSK_75@0	13.410	14.144
15MHz_High_16QAM_75@0	13.410	15.045
20MHz_Low_QPSK_100@0	17.880	18.659
20MHz_Low_16QAM_100@0	17.840	18.779
20MHz_Middle_QPSK_100@0	17.880	21.942
20MHz_Middle_16QAM_100@0	17.840	19.499
20MHz_High_QPSK_100@0	17.840	19.339
20MHz_High_16QAM_100@0	17.880	18.699

B41_3 , Normal

Mode	99% OBW (MHz)	EBW (MHz)
3_5MHz_Low_QPSK_25@0	4.460	4.765
3_5MHz_Low_16QAM_25@0	4.460	4.775
3_5MHz_Middle_QPSK_25@0	4.460	4.945
3_5MHz_Middle_16QAM_25@0	4.450	5.646
3_5MHz_High_QPSK_25@0	4.460	4.925
3_5MHz_High_16QAM_25@0	4.470	4.855
3_10MHz_Low_QPSK_50@0	8.940	10.871
3_10MHz_Low_16QAM_50@0	8.960	12.573
3_10MHz_Middle_QPSK_50@0	8.940	10.791
3_10MHz_Middle_16QAM_50@0	8.940	9.970

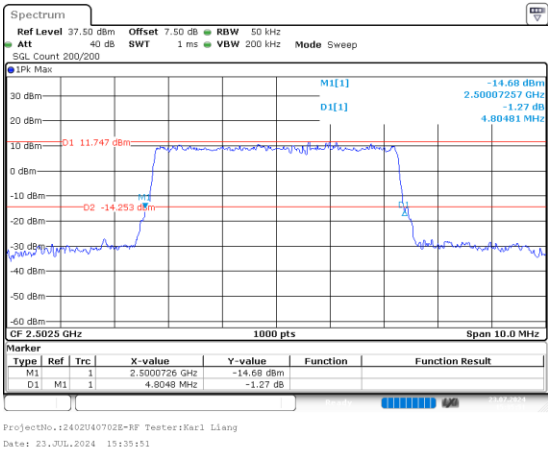
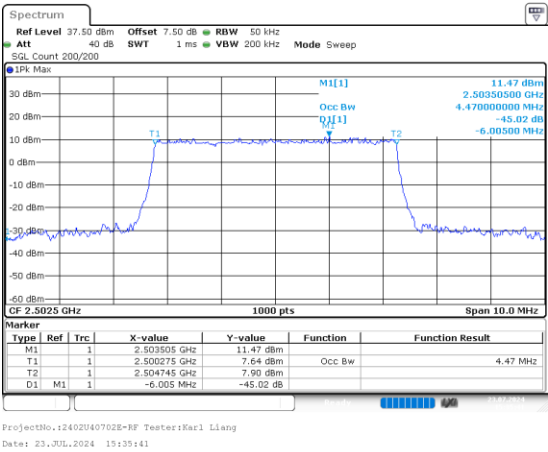
Mode	99% OBW (MHz)	EBW (MHz)
3_10MHz_High_QPSK_50@0	8.960	9.409
3_10MHz_High_16QAM_50@0	8.960	9.550
3_15MHz_Low_QPSK_75@0	13.410	14.384
3_15MHz_Low_16QAM_75@0	13.470	16.547
3_15MHz_Middle_QPSK_75@0	13.410	16.727
3_15MHz_Middle_16QAM_75@0	13.410	20
3_15MHz_High_QPSK_75@0	13.440	16.186
3_15MHz_High_16QAM_75@0	13.380	15.405
3_20MHz_Low_QPSK_100@0	17.880	19.820
3_20MHz_Low_16QAM_100@0	17.920	19.740
3_20MHz_Middle_QPSK_100@0	17.840	20.581
3_20MHz_Middle_16QAM_100@0	17.920	21.421
3_20MHz_High_QPSK_100@0	17.920	23.103
3_20MHz_High_16QAM_100@0	17.880	18.979

B7, Normal

5MHz_Low_QPSK_25@0

Occupied Bandwidth

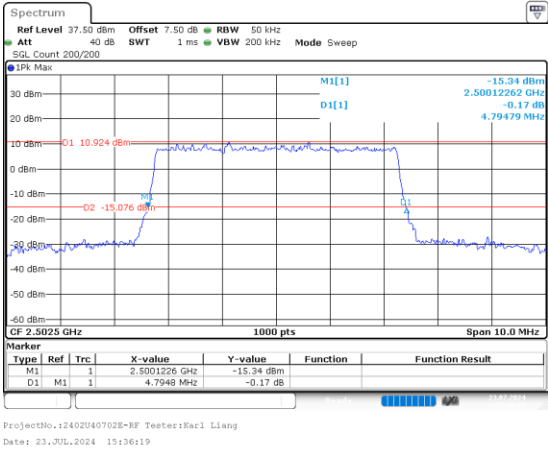
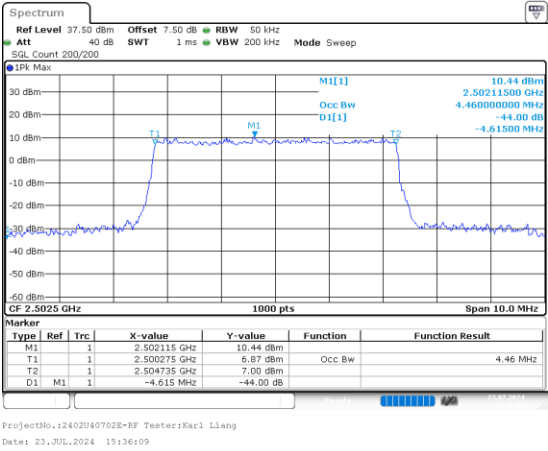
26dB Bandwidth



5MHz_Low_16QAM_25@0

Occupied Bandwidth

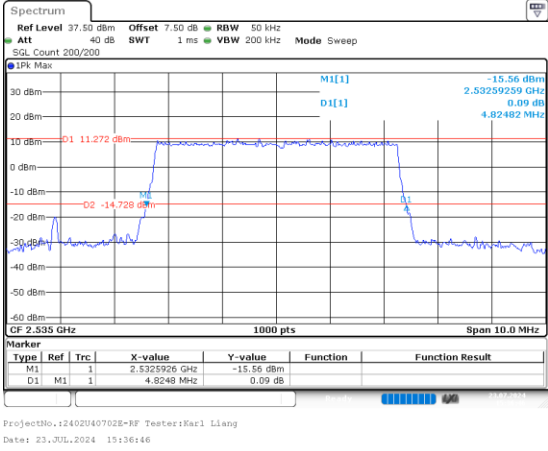
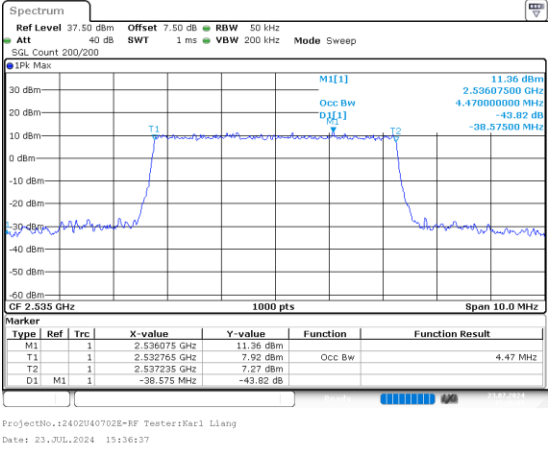
26dB Bandwidth



5MHz_Middle_QPSK_25@0

Occupied Bandwidth

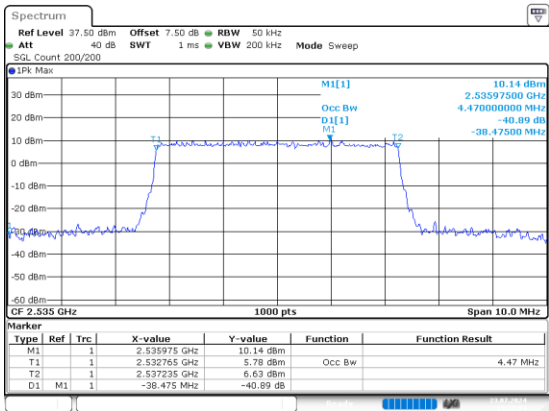
26dB Bandwidth



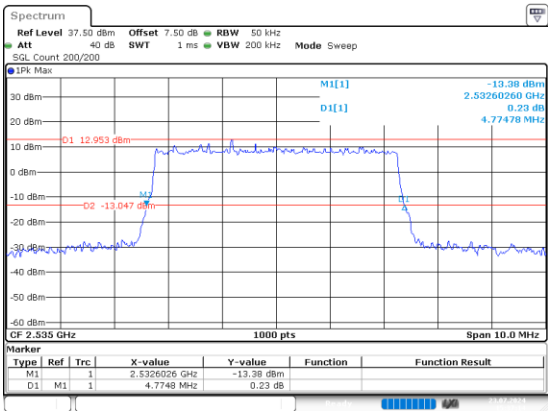
5MHz_Middle_16QAM_25@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:37:04

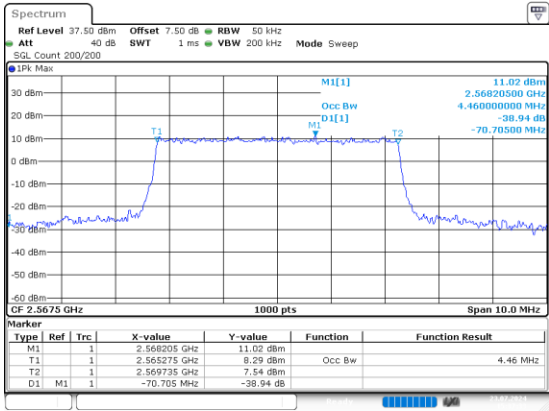


ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:37:15

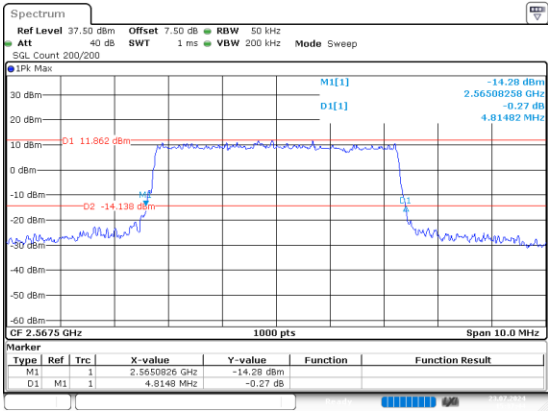
5MHz_High_QPSK_25@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:37:34

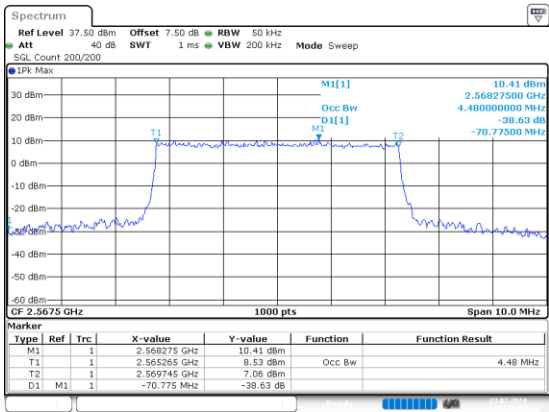


ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:37:45

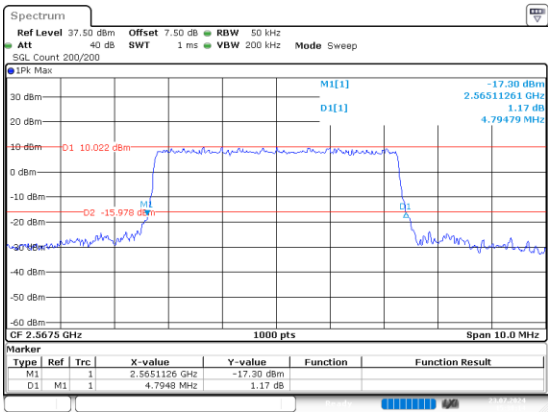
5MHz_High_16QAM_25@0

Occupied Bandwidth

26dB Bandwidth



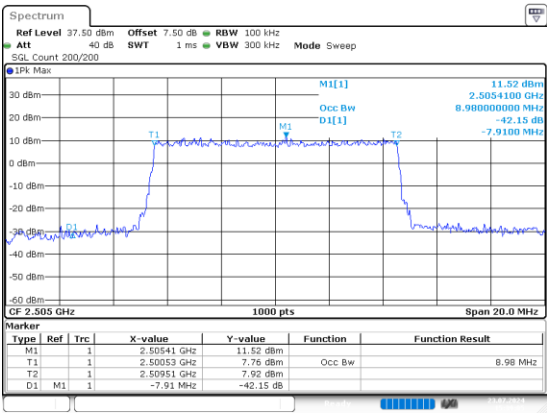
ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:38:04



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:38:15

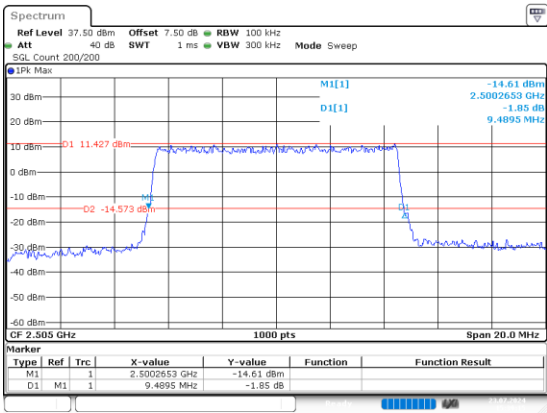
10MHz_Low_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 23.JUL.2024 15:39:05

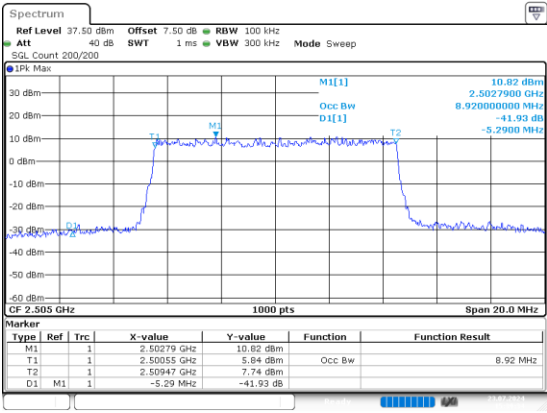
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 23.JUL.2024 15:39:15

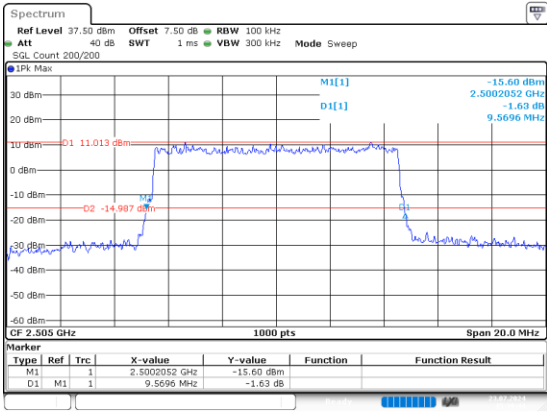
10MHz_Low_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 23.JUL.2024 15:39:34

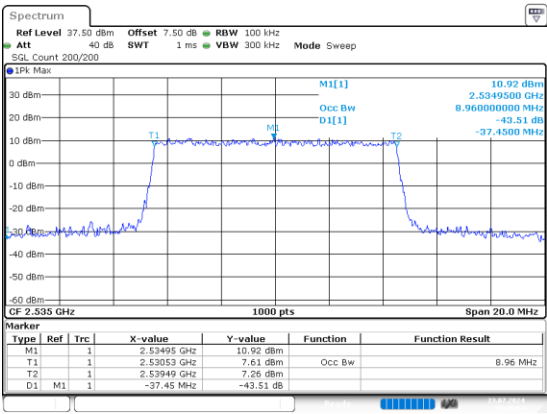
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 23.JUL.2024 15:39:45

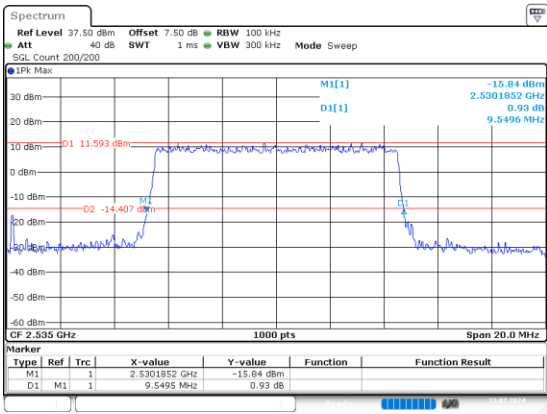
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 23.JUL.2024 15:40:05

26dB Bandwidth

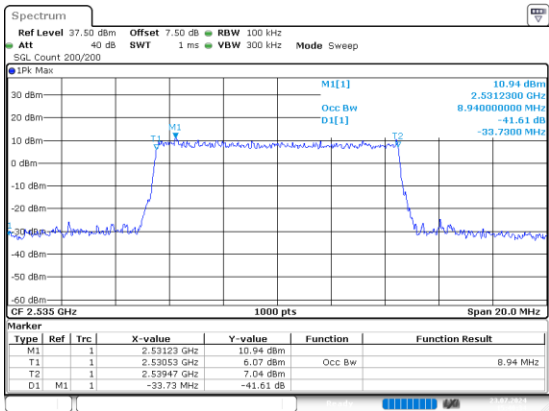


ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 23.JUL.2024 15:40:16

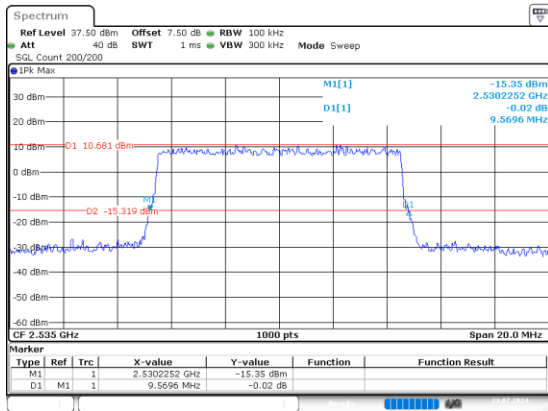
10MHz_Middle_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:40:35

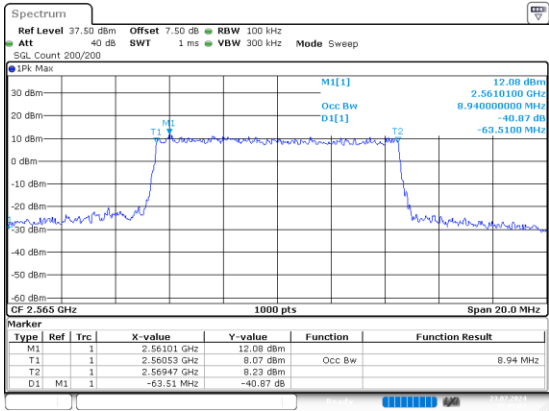


ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:40:45

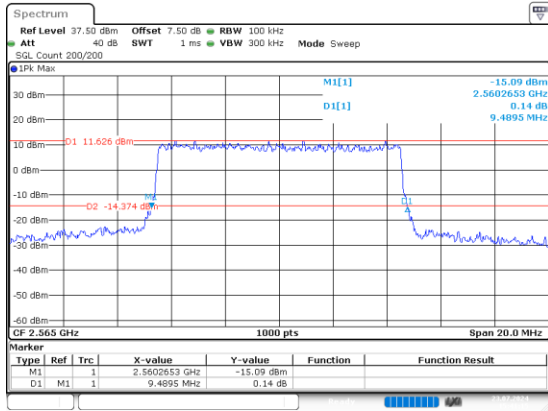
10MHz_High_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:41:04

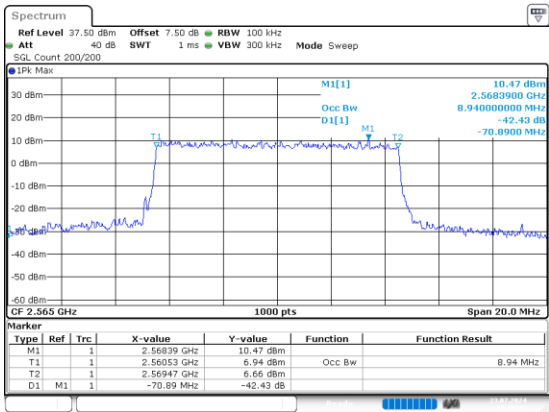


ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:41:15

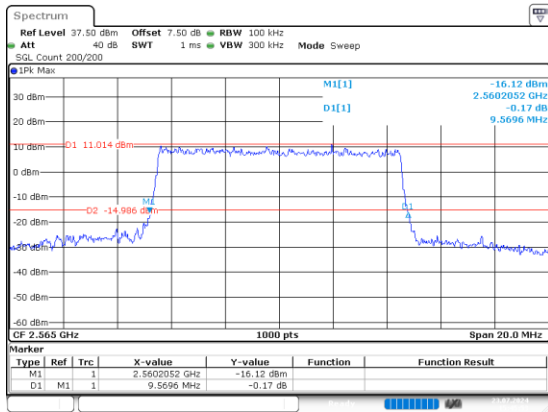
10MHz_High_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



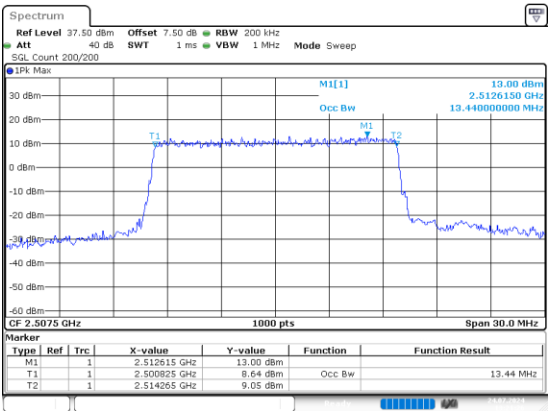
ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:45:44



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:45:54

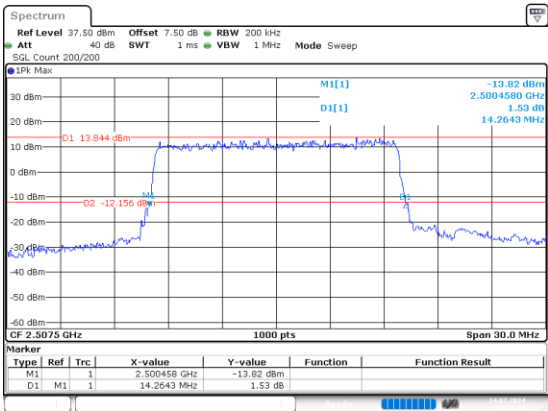
15MHz_Low_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 24.JUL.2024 13:21:27

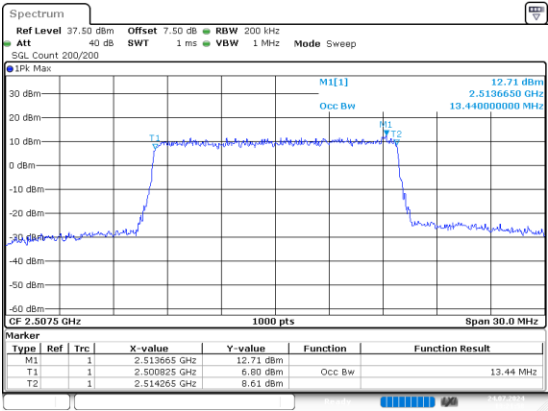
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 24.JUL.2024 13:21:38

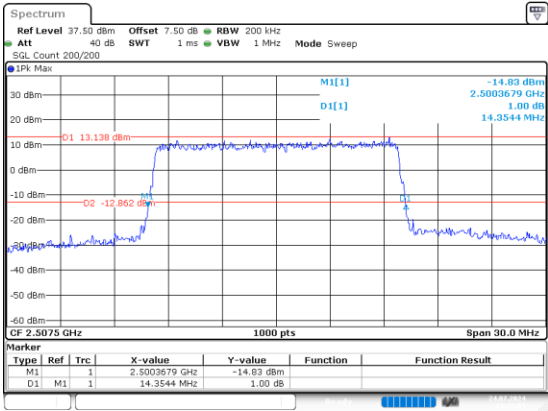
15MHz_Low_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 24.JUL.2024 13:21:59

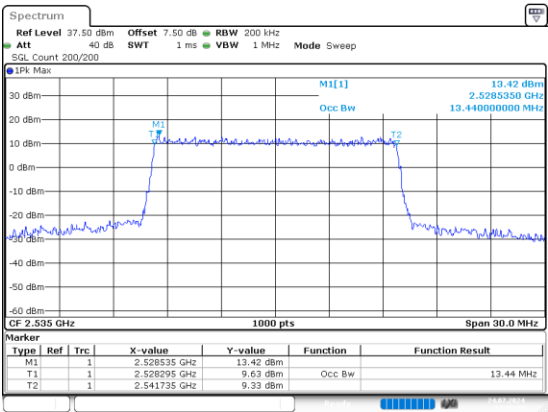
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 24.JUL.2024 13:22:09

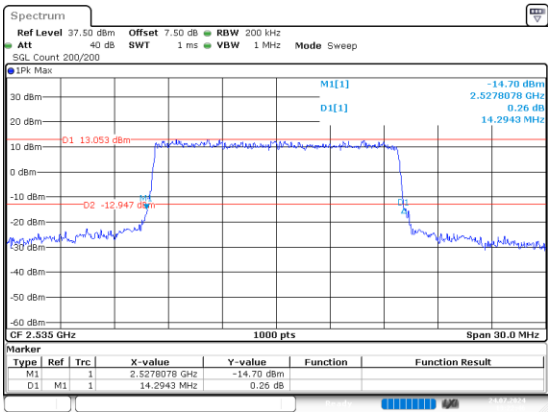
15MHz_Middle_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 24.JUL.2024 13:22:33

26dB Bandwidth

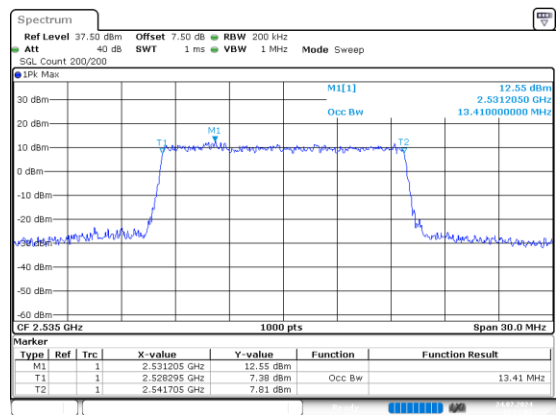


ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 24.JUL.2024 13:22:46

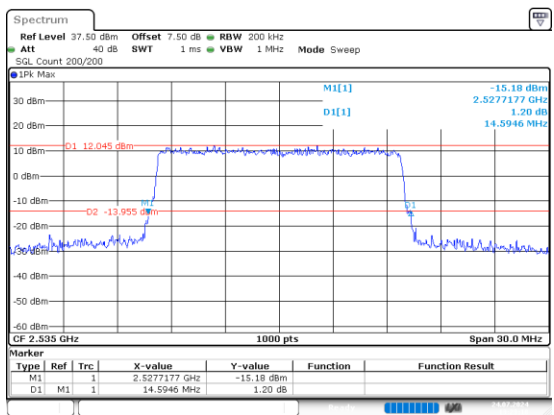
15MHz_Middle_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 24.JUL.2024 13:23:08

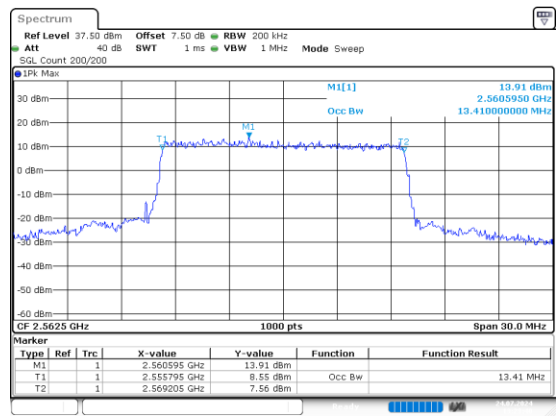


ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 24.JUL.2024 13:23:19

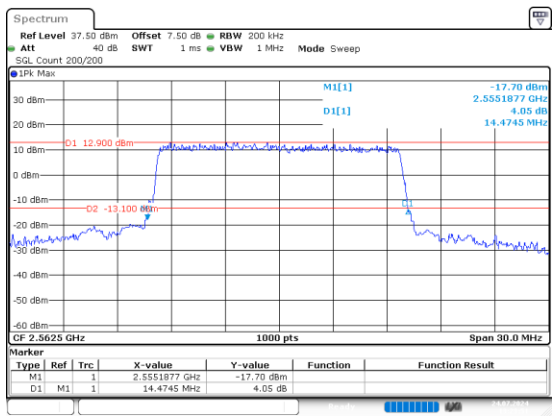
15MHz_High_QPSK_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 24.JUL.2024 13:23:41

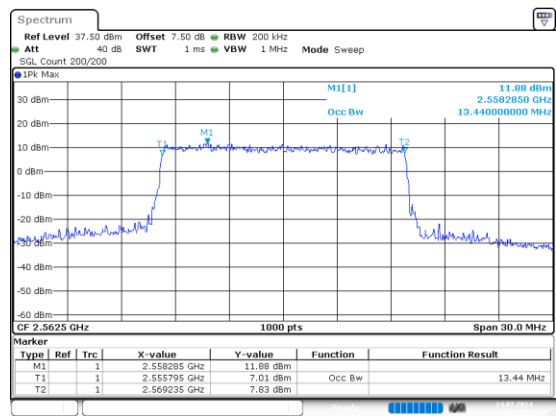


ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 24.JUL.2024 13:23:52

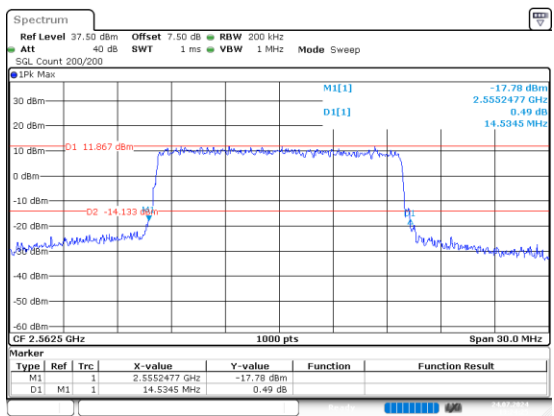
15MHz_High_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 24.JUL.2024 13:24:14

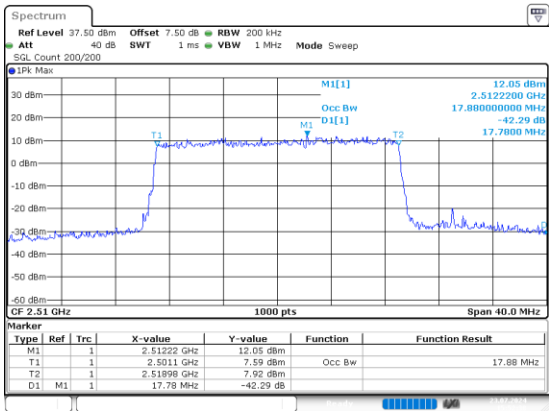


ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 24.JUL.2024 13:24:29

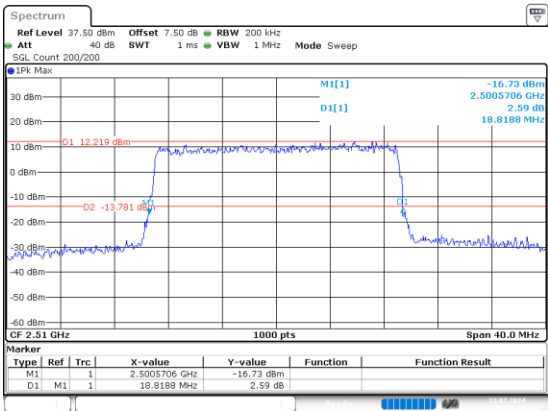
20MHz_Low_QPSK_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:52:39

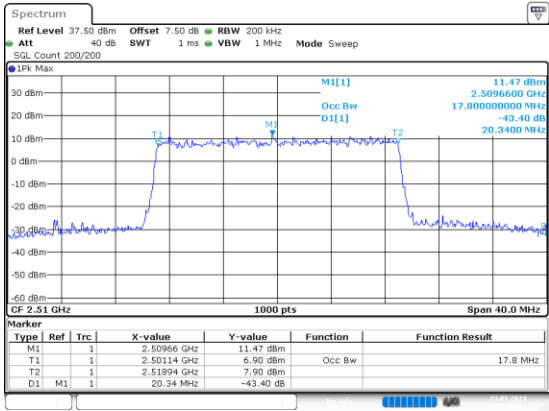


ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:52:50

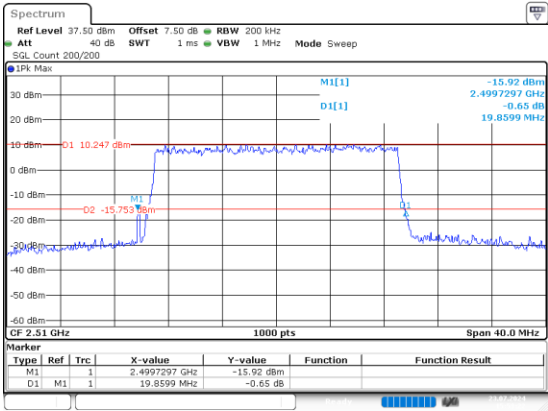
20MHz_Low_16QAM_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:53:11

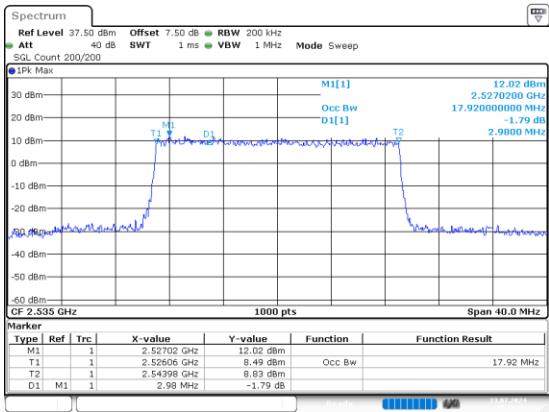


ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:53:22

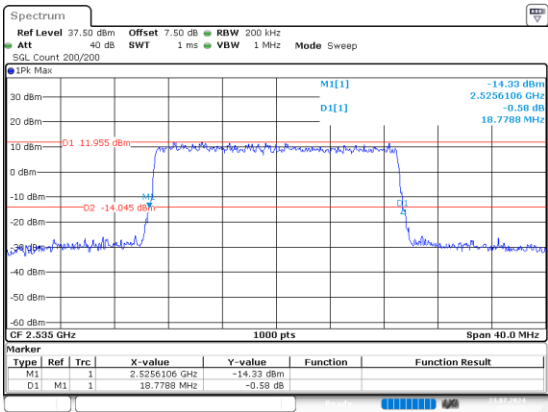
20MHz_Middle_QPSK_100@0

Occupied Bandwidth

26dB Bandwidth



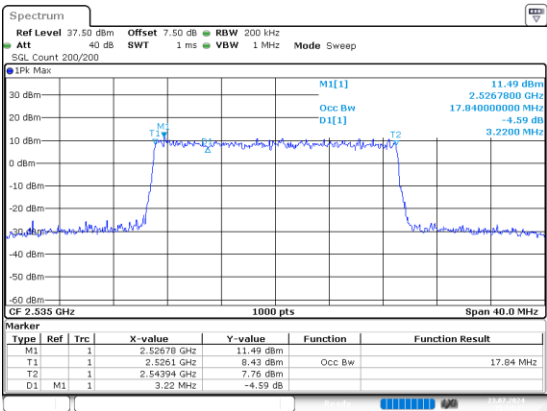
ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:53:44



ProjectNo.:2402U40702E-RF Tester:Karl Liang
Date: 23.JUL.2024 15:53:56

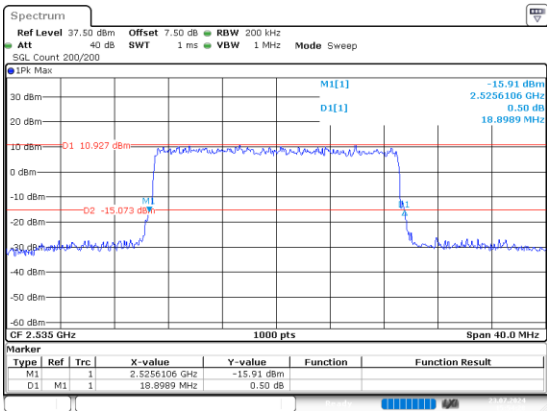
20MHz_Middle_16QAM_100@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 23.JUL.2024 15:54:17

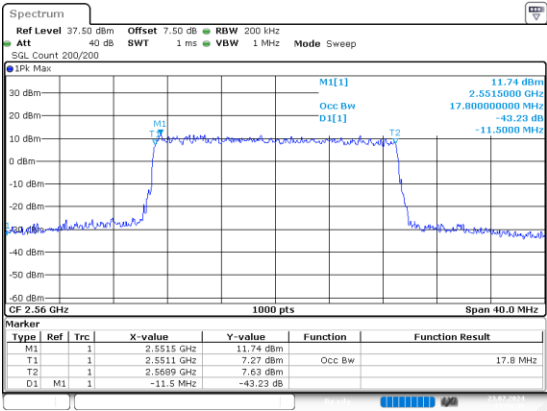
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 23.JUL.2024 15:54:28

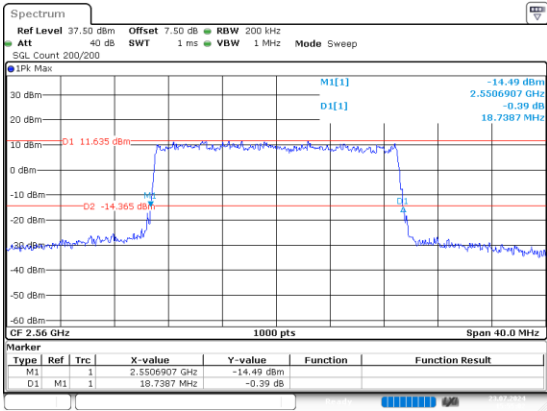
20MHz_High_QPSK_100@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 23.JUL.2024 15:54:51

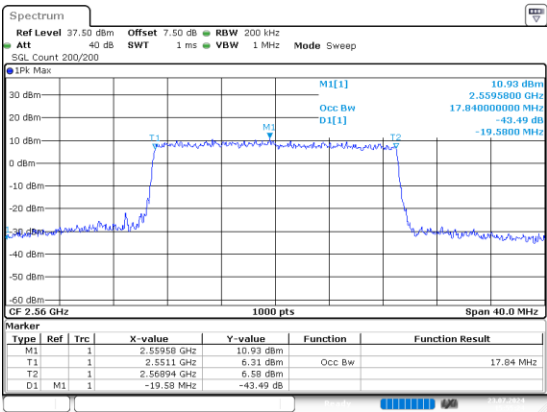
26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 23.JUL.2024 15:55:03

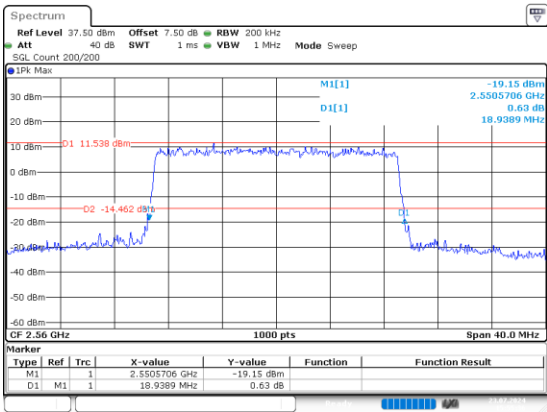
20MHz_High_16QAM_100@0

Occupied Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 23.JUL.2024 15:55:24

26dB Bandwidth



ProjectNo.:2402U40702E-RF Tester:Karl Liang
 Date: 23.JUL.2024 15:55:37