

Appendix D

Test Information:

Sample No.:	2Z1E-1	Test Date:	2025/03/12~2025/04/02
Test Site:	RF	Test Mode:	Transmitting
Tester:	Usain Ou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.3-25.2	Relative Humidity: (%)	34-52	ATM Pressure: (kPa)	100.8-101.8
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Frequency stability vs. temperature & Frequency stability vs. voltage Compliance

FCC Part 22H

B5, TN/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	-8.9	-0.011	± 2.5	Pass
10MHz_Middle_16QAM_50@0	7.8	0.009	± 2.5	Pass

B5, T1/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	5.6	0.007	± 2.5	Pass
10MHz_Middle_16QAM_50@0	-0.5	-0.001	± 2.5	Pass

B5, T2/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	-3.5	-0.004	± 2.5	Pass
10MHz_Middle_16QAM_50@0	6.0	0.007	± 2.5	Pass

B5, T3/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	-6.5	-0.008	± 2.5	Pass
10MHz_Middle_16QAM_50@0	7.8	0.009	± 2.5	Pass

B5, T4/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	2.8	0.003	± 2.5	Pass
10MHz_Middle_16QAM_50@0	-7.7	-0.009	± 2.5	Pass

B5, T5/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	9.9	0.012	± 2.5	Pass
10MHz_Middle_16QAM_50@0	4.4	0.005	± 2.5	Pass

B5, T6/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	-1.2	-0.001	± 2.5	Pass
10MHz_Middle_16QAM_50@0	9.6	0.011	± 2.5	Pass

B5, T7/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	-0.6	-0.001	± 2.5	Pass
10MHz_Middle_16QAM_50@0	-8.0	-0.010	± 2.5	Pass

B5, T8/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	-7.6	-0.009	± 2.5	Pass
10MHz_Middle_16QAM_50@0	4.5	0.005	± 2.5	Pass

B5, TN/VH

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	-3.2	-0.004	± 2.5	Pass
10MHz_Middle_16QAM_50@0	-4.7	-0.006	± 2.5	Pass

B5, TN/VL

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	-2.3	-0.003	± 2.5	Pass
10MHz_Middle_16QAM_50@0	4.6	0.005	± 2.5	Pass

Note:

Frequency Error (ppm)= Frequency Error (Hz)/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: 3.89V; VL: 3.45V; VH: 4.48V.

FCC Part 24E

B2, TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1850.070	1909.907	1850 ~ 1910	Pass
20MHz_Low_High_16QAM_100@0	1850.002	1909.991	1850 ~ 1910	Pass

B2, T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1850.069	1909.959	1850 ~ 1910	Pass
20MHz_Low_High_16QAM_100@0	1850.078	1909.992	1850 ~ 1910	Pass

B2, T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1850.025	1909.900	1850 ~ 1910	Pass
20MHz_Low_High_16QAM_100@0	1850.032	1909.938	1850 ~ 1910	Pass

B2, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1850.032	1909.994	1850 ~ 1910	Pass
20MHz_Low_High_16QAM_100@0	1850.057	1909.977	1850 ~ 1910	Pass

B2, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1850.035	1909.943	1850 ~ 1910	Pass
20MHz_Low_High_16QAM_100@0	1850.030	1909.910	1850 ~ 1910	Pass

B2, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1850.079	1909.945	1850 ~ 1910	Pass
20MHz_Low_High_16QAM_100@0	1850.039	1909.989	1850 ~ 1910	Pass

B2, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1850.087	1909.935	1850 ~ 1910	Pass
20MHz_Low_High_16QAM_100@0	1850.005	1909.932	1850 ~ 1910	Pass

B2, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1850.090	1909.966	1850 ~ 1910	Pass
20MHz_Low_High_16QAM_100@0	1850.066	1909.901	1850 ~ 1910	Pass

B2, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1850.027	1909.951	1850 ~ 1910	Pass
20MHz_Low_High_16QAM_100@0	1850.064	1909.966	1850 ~ 1910	Pass

B2, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1850.085	1909.953	1850 ~ 1910	Pass
20MHz_Low_High_16QAM_100@0	1850.088	1909.959	1850 ~ 1910	Pass

B2, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1850.041	1909.908	1850 ~ 1910	Pass
20MHz_Low_High_16QAM_100@0	1850.033	1909.977	1850 ~ 1910	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: 3.89V; VL: 3.45V; VH: 4.48V.

FCC Part 27

B4, TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.196	1754.973	1710 ~ 1755	Pass
20MHz_Low_High_16QAM_100@0	1710.068	1754.945	1710 ~ 1755	Pass

B4, T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.009	1754.949	1710 ~ 1755	Pass
20MHz_Low_High_16QAM_100@0	1710.137	1754.983	1710 ~ 1755	Pass

B4, T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.196	1754.861	1710 ~ 1755	Pass
20MHz_Low_High_16QAM_100@0	1710.142	1754.843	1710 ~ 1755	Pass

B4, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.006	1754.958	1710 ~ 1755	Pass
20MHz_Low_High_16QAM_100@0	1710.030	1754.828	1710 ~ 1755	Pass

B4, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.112	1754.877	1710 ~ 1755	Pass
20MHz_Low_High_16QAM_100@0	1710.069	1754.972	1710 ~ 1755	Pass

B4, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.010	1754.866	1710 ~ 1755	Pass
20MHz_Low_High_16QAM_100@0	1710.017	1754.971	1710 ~ 1755	Pass

B4, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.087	1754.968	1710 ~ 1755	Pass
20MHz_Low_High_16QAM_100@0	1710.101	1754.967	1710 ~ 1755	Pass

B4, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.119	1754.942	1710 ~ 1755	Pass
20MHz_Low_High_16QAM_100@0	1710.084	1754.898	1710 ~ 1755	Pass

B4, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.110	1754.941	1710 ~ 1755	Pass
20MHz_Low_High_16QAM_100@0	1710.094	1754.823	1710 ~ 1755	Pass

B4, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.065	1754.920	1710 ~ 1755	Pass
20MHz_Low_High_16QAM_100@0	1710.020	1754.856	1710 ~ 1755	Pass

B4, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.033	1754.978	1710 ~ 1755	Pass
20MHz_Low_High_16QAM_100@0	1710.018	1754.964	1710 ~ 1755	Pass

B7, TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2500.200	2569.899	2500 ~ 2570	Pass
20MHz_Low_High_16QAM_100@0	2500.070	2569.934	2500 ~ 2570	Pass

B7, T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2500.199	2569.831	2500 ~ 2570	Pass
20MHz_Low_High_16QAM_100@0	2500.016	2569.911	2500 ~ 2570	Pass

B7, T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2500.181	2569.899	2500 ~ 2570	Pass
20MHz_Low_High_16QAM_100@0	2500.039	2569.894	2500 ~ 2570	Pass

B7, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2500.186	2569.964	2500 ~ 2570	Pass
20MHz_Low_High_16QAM_100@0	2500.121	2569.824	2500 ~ 2570	Pass

B7, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2500.147	2569.927	2500 ~ 2570	Pass
20MHz_Low_High_16QAM_100@0	2500.004	2569.844	2500 ~ 2570	Pass

B7, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2500.121	2569.951	2500 ~ 2570	Pass
20MHz_Low_High_16QAM_100@0	2500.172	2569.972	2500 ~ 2570	Pass

B7, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2500.079	2569.868	2500 ~ 2570	Pass
20MHz_Low_High_16QAM_100@0	2500.026	2569.915	2500 ~ 2570	Pass

B7, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2500.009	2569.901	2500 ~ 2570	Pass
20MHz_Low_High_16QAM_100@0	2500.090	2569.971	2500 ~ 2570	Pass

B7, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2500.003	2569.810	2500 ~ 2570	Pass
20MHz_Low_High_16QAM_100@0	2500.098	2569.849	2500 ~ 2570	Pass

B7, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2500.199	2569.876	2500 ~ 2570	Pass
20MHz_Low_High_16QAM_100@0	2500.189	2569.968	2500 ~ 2570	Pass

B7, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2500.057	2569.996	2500 ~ 2570	Pass
20MHz_Low_High_16QAM_100@0	2500.034	2569.806	2500 ~ 2570	Pass

B12, TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10Hz_Low_High_QPSK_50@0	699.110	715.932	699 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	699.041	715.856	699 ~ 716	Pass

B12, T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10Hz_Low_High_QPSK_50@0	699.169	715.823	699 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	699.198	715.976	699 ~ 716	Pass

B12, T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10Hz_Low_High_QPSK_50@0	699.094	715.949	699 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	699.097	715.989	699 ~ 716	Pass

B12, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10Hz_Low_High_QPSK_50@0	699.017	715.873	699 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	699.167	715.854	699 ~ 716	Pass

B12, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10Hz_Low_High_QPSK_50@0	699.099	715.978	699 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	699.100	715.840	699 ~ 716	Pass

B12, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10Hz_Low_High_QPSK_50@0	699.060	715.980	699 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	699.071	715.890	699 ~ 716	Pass

B12, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10Hz_Low_High_QPSK_50@0	699.124	715.964	699 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	699.058	715.976	699 ~ 716	Pass

B12, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10Hz_Low_High_QPSK_50@0	699.135	715.801	699 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	699.048	715.871	699 ~ 716	Pass

B12, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10Hz_Low_High_QPSK_50@0	699.083	715.894	699 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	699.135	715.838	699 ~ 716	Pass

B12, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10Hz_Low_High_QPSK_50@0	699.142	715.934	699 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	699.161	715.837	699 ~ 716	Pass

B12, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10Hz_Low_High_QPSK_50@0	699.139	715.937	699 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	699.085	715.821	699 ~ 716	Pass

B17, TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_Low_High_QPSK_50@0	704.190	715.910	704 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	704.145	715.870	704 ~ 716	Pass

B17, T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_Low_High_QPSK_50@0	704.086	715.882	704 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	704.081	715.895	704 ~ 716	Pass

B17, T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_Low_High_QPSK_50@0	704.007	715.966	704 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	704.184	715.985	704 ~ 716	Pass

B17, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_Low_High_QPSK_50@0	704.118	715.977	704 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	704.091	715.811	704 ~ 716	Pass

B17, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_Low_High_QPSK_50@0	704.054	715.822	704 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	704.170	715.958	704 ~ 716	Pass

B17, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_Low_High_QPSK_50@0	704.111	715.906	704 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	704.165	715.970	704 ~ 716	Pass

B17, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_Low_High_QPSK_50@0	704.044	715.903	704 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	704.193	715.861	704 ~ 716	Pass

B17, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_Low_High_QPSK_50@0	704.047	715.936	704 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	704.181	715.866	704 ~ 716	Pass

B17, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_Low_High_QPSK_50@0	704.004	715.909	704 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	704.145	715.830	704 ~ 716	Pass

B17, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_Low_High_QPSK_50@0	704.163	715.934	704 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	704.053	715.845	704 ~ 716	Pass

B17, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_Low_High_QPSK_50@0	704.064	715.879	704 ~ 716	Pass
10MHz_Low_High_16QAM_50@0	704.173	715.884	704 ~ 716	Pass

B38, TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2570.170	2619.858	2570 ~ 2620	Pass
20MHz_Low_High_16QAM_100@0	2570.141	2619.913	2570 ~ 2620	Pass

B38, T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2570.119	2619.828	2570 ~ 2620	Pass
20MHz_Low_High_16QAM_100@0	2570.030	2619.903	2570 ~ 2620	Pass

B38, T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2570.067	2619.997	2570 ~ 2620	Pass
20MHz_Low_High_16QAM_100@0	2570.069	2619.897	2570 ~ 2620	Pass

B38, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2570.036	2619.890	2570 ~ 2620	Pass
20MHz_Low_High_16QAM_100@0	2570.120	2619.898	2570 ~ 2620	Pass

B38, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2570.060	2619.889	2570 ~ 2620	Pass
20MHz_Low_High_16QAM_100@0	2570.029	2619.931	2570 ~ 2620	Pass

B38, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2570.060	2619.889	2570 ~ 2620	Pass
20MHz_Low_High_16QAM_100@0	2570.029	2619.931	2570 ~ 2620	Pass

B38, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2570.187	2619.852	2570 ~ 2620	Pass
20MHz_Low_High_16QAM_100@0	2570.035	2619.939	2570 ~ 2620	Pass

B38, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2570.139	2619.804	2570 ~ 2620	Pass
20MHz_Low_High_16QAM_100@0	2570.043	2619.875	2570 ~ 2620	Pass

B38, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2570.171	2619.827	2570 ~ 2620	Pass
20MHz_Low_High_16QAM_100@0	2570.061	2619.984	2570 ~ 2620	Pass

B38, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2570.005	2619.801	2570 ~ 2620	Pass
20MHz_Low_High_16QAM_100@0	2570.045	2619.888	2570 ~ 2620	Pass

B38, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2570.103	2619.835	2570 ~ 2620	Pass
20MHz_Low_High_16QAM_100@0	2570.009	2619.863	2570 ~ 2620	Pass

B66, TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.116	1779.989	1710 ~ 1780	Pass
20MHz_Low_High_16QAM_100@0	1710.002	1779.811	1710 ~ 1780	Pass

B66, T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.081	1779.818	1710 ~ 1780	Pass
20MHz_Low_High_16QAM_100@0	1710.174	1779.950	1710 ~ 1780	Pass

B66, T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.067	1779.956	1710 ~ 1780	Pass
20MHz_Low_High_16QAM_100@0	1710.189	1779.995	1710 ~ 1780	Pass

B66, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.068	1779.873	1710 ~ 1780	Pass
20MHz_Low_High_16QAM_100@0	1710.062	1779.946	1710 ~ 1780	Pass

B66, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.186	1779.898	1710 ~ 1780	Pass
20MHz_Low_High_16QAM_100@0	1710.164	1779.964	1710 ~ 1780	Pass

B66, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.064	1779.977	1710 ~ 1780	Pass
20MHz_Low_High_16QAM_100@0	1710.056	1779.836	1710 ~ 1780	Pass

B66, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.199	1779.897	1710 ~ 1780	Pass
20MHz_Low_High_16QAM_100@0	1710.019	1779.949	1710 ~ 1780	Pass

B66, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.071	1779.917	1710 ~ 1780	Pass
20MHz_Low_High_16QAM_100@0	1710.180	1779.918	1710 ~ 1780	Pass

B66, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.196	1779.889	1710 ~ 1780	Pass
20MHz_Low_High_16QAM_100@0	1710.106	1779.906	1710 ~ 1780	Pass

B66, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.147	1779.882	1710 ~ 1780	Pass
20MHz_Low_High_16QAM_100@0	1710.027	1779.835	1710 ~ 1780	Pass

B66, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	1710.048	1779.988	1710 ~ 1780	Pass
20MHz_Low_High_16QAM_100@0	1710.186	1779.956	1710 ~ 1780	Pass

B41, TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2535.169	2654.962	2535 ~ 2655	Pass
20MHz_Low_High_16QAM_100@0	2535.065	2654.837	2535 ~ 2655	Pass

B41, T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2535.193	2654.885	2535 ~ 2655	Pass
20MHz_Low_High_16QAM_100@0	2535.063	2654.877	2535 ~ 2655	Pass

B41, T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2535.148	2654.914	2535 ~ 2655	Pass
20MHz_Low_High_16QAM_100@0	2535.153	2654.841	2535 ~ 2655	Pass

B41, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2535.129	2654.802	2535 ~ 2655	Pass
20MHz_Low_High_16QAM_100@0	2535.167	2654.961	2535 ~ 2655	Pass

B41, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2535.053	2654.836	2535 ~ 2655	Pass
20MHz_Low_High_16QAM_100@0	2535.024	2654.838	2535 ~ 2655	Pass

B41, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2535.010	2654.805	2535 ~ 2655	Pass
20MHz_Low_High_16QAM_100@0	2535.083	2654.928	2535 ~ 2655	Pass

B41, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2535.080	2654.822	2535 ~ 2655	Pass
20MHz_Low_High_16QAM_100@0	2535.096	2654.995	2535 ~ 2655	Pass

B41, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2535.146	2654.901	2535 ~ 2655	Pass
20MHz_Low_High_16QAM_100@0	2535.054	2654.958	2535 ~ 2655	Pass

B41, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2535.018	2654.896	2535 ~ 2655	Pass
20MHz_Low_High_16QAM_100@0	2535.050	2654.999	2535 ~ 2655	Pass

B41, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2535.176	2654.930	2535 ~ 2655	Pass
20MHz_Low_High_16QAM_100@0	2535.145	2654.984	2535 ~ 2655	Pass

B41, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_High_QPSK_100@0	2535.172	2654.920	2535 ~ 2655	Pass
20MHz_Low_High_16QAM_100@0	2535.157	2654.929	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: 3.89V; VL: 3.45V; VH: 4.48V.

Occupied Bandwidth

FCC Part 22H

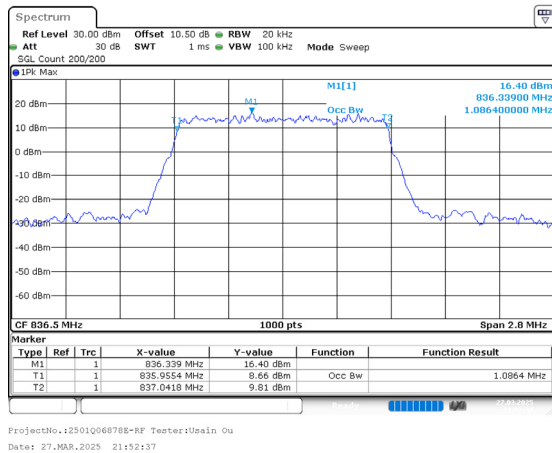
B5, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.086	1.259
1.4MHz_Middle_16QAM_6@0	1.081	1.258
3MHz_Middle_QPSK_15@0	2.676	2.925
3MHz_Middle_16QAM_15@0	2.670	2.913
5MHz_Middle_QPSK_25@0	4.470	4.815
5MHz_Middle_16QAM_25@0	4.480	4.785
10MHz_Middle_QPSK_50@0	8.920	9.610
10MHz_Middle_16QAM_50@0	8.940	9.470

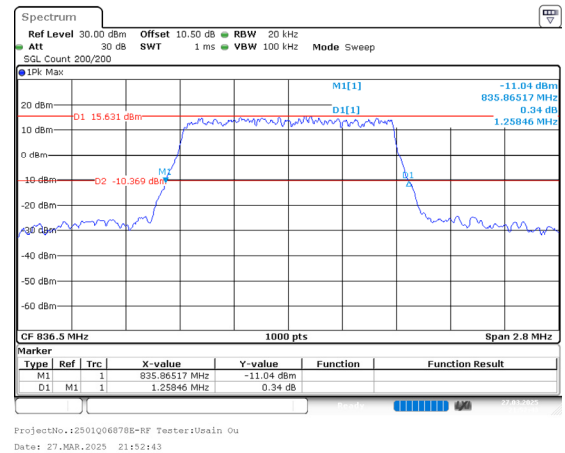
B5, Normal

1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth

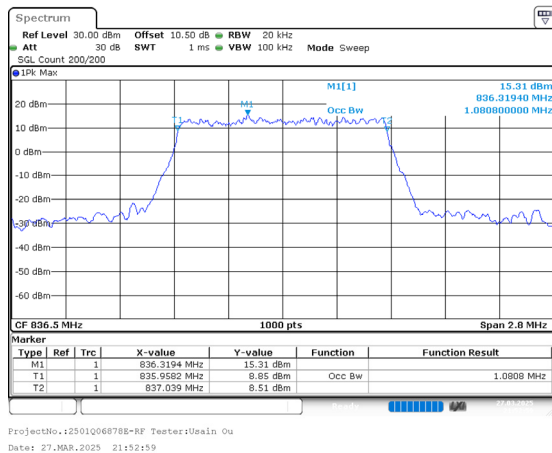


26dB Bandwidth

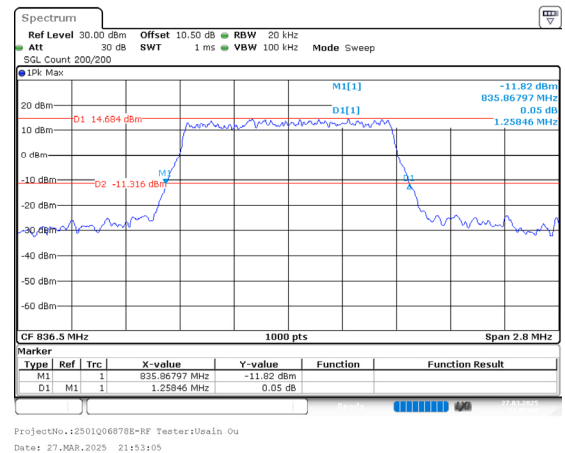


1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth

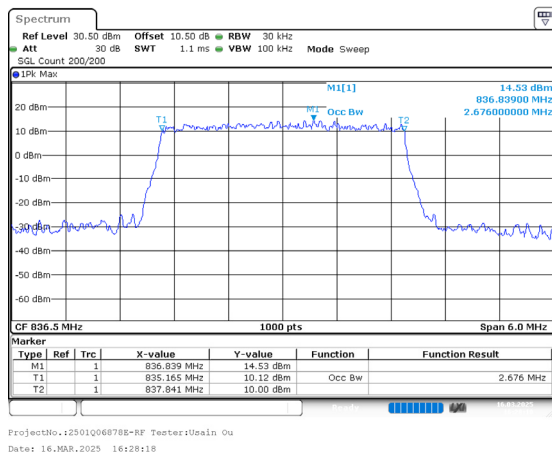


26dB Bandwidth

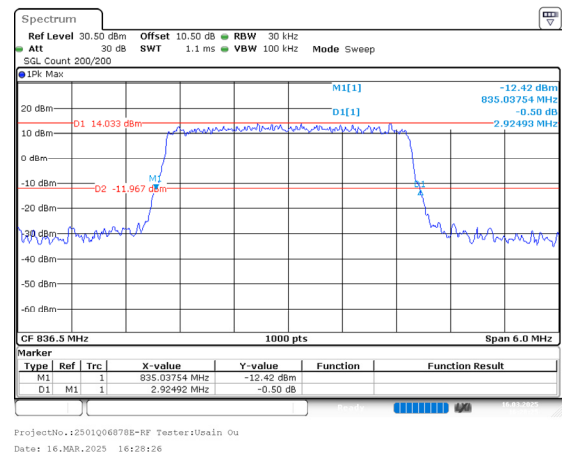


3MHz_Middle_QPSK_15@0

Occupied Bandwidth



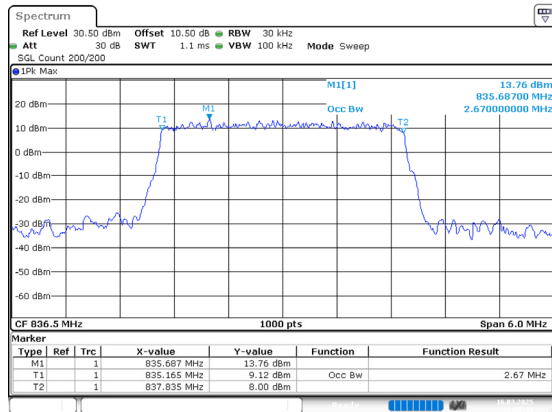
26dB Bandwidth



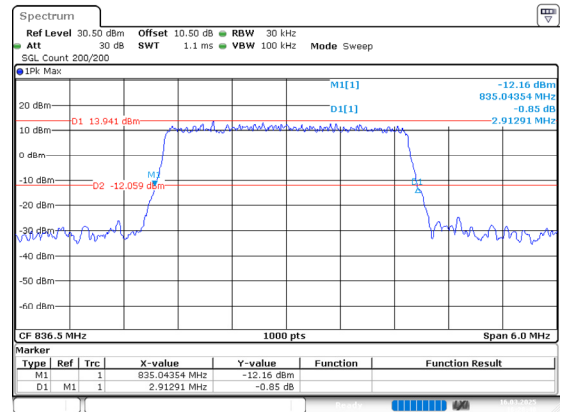
3MHz_Middle_16QAM_15@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 16:28:42

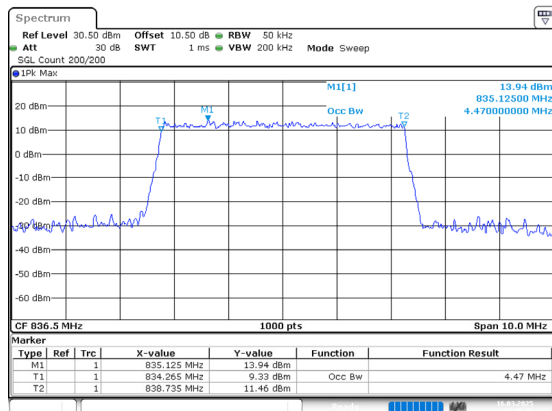


ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 16:28:49

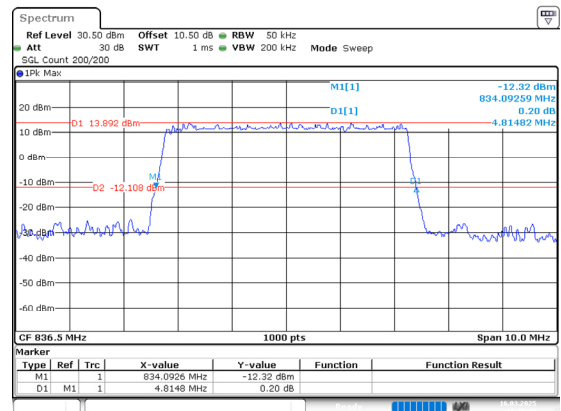
5MHz_Middle_QPSK_25@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 16:29:42

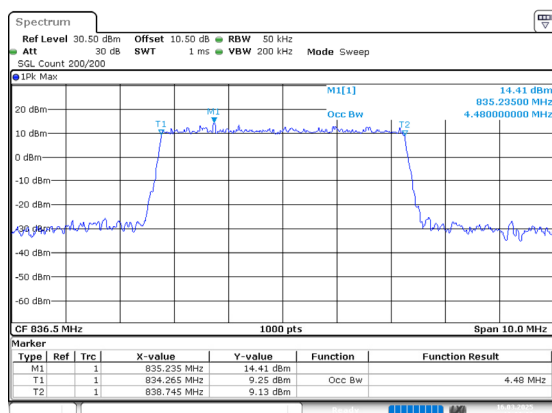


ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 16:29:49

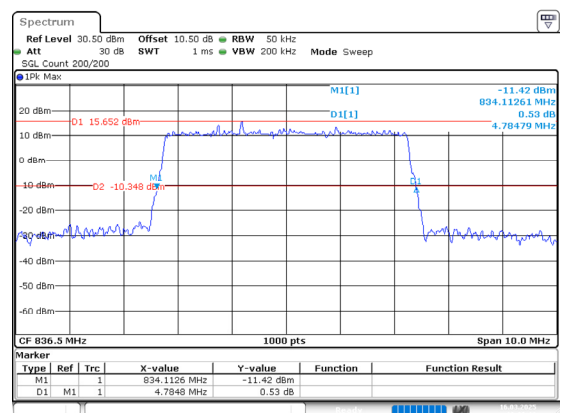
5MHz_Middle_16QAM_25@0

Occupied Bandwidth

26dB Bandwidth



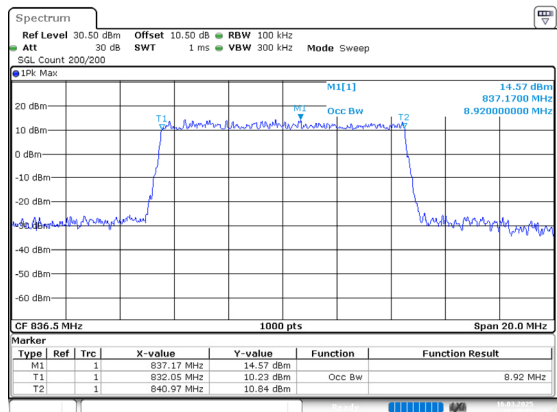
ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 16:30:04



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 16:30:11

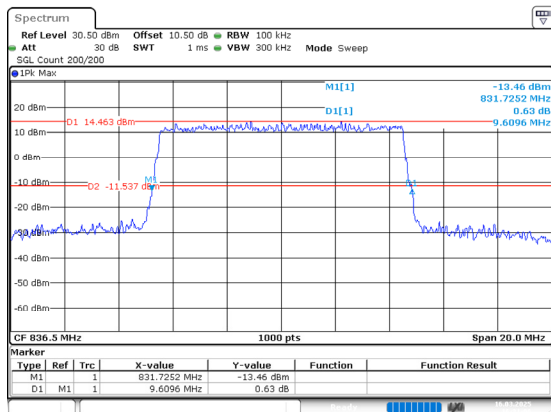
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Usain Ou
Date: 16.MAR.2025 16:30:59

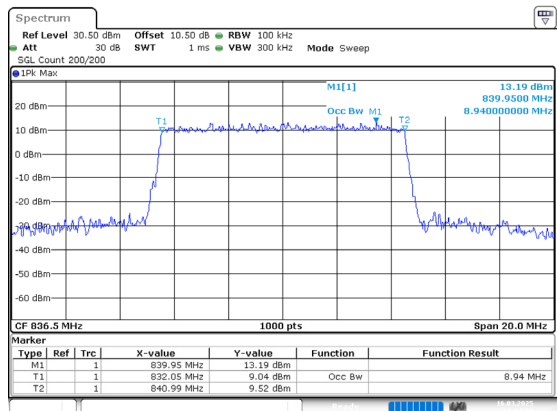
26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Usain Ou
Date: 16.MAR.2025 16:31:07

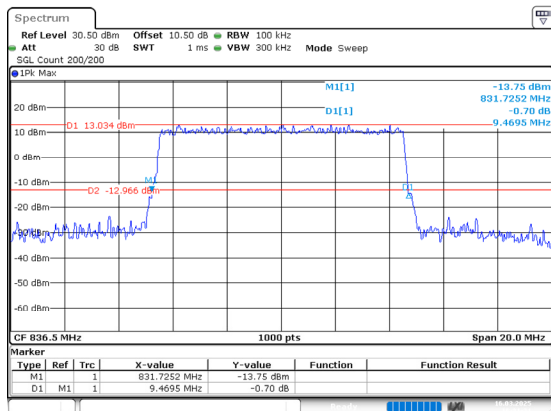
10MHz_Middle_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Usain Ou
Date: 16.MAR.2025 16:31:24

26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Usain Ou
Date: 16.MAR.2025 16:31:32

FCC Part 24E

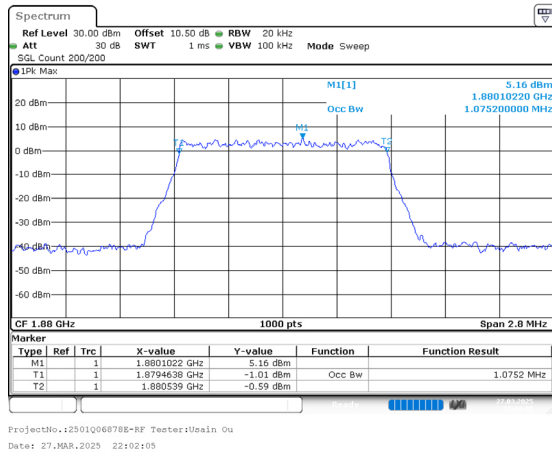
B2, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.075	1.233
1.4MHz_Middle_16QAM_6@0	1.089	1.242
3MHz_Middle_QPSK_15@0	2.676	2.931
3MHz_Middle_16QAM_15@0	2.676	2.925
5MHz_Middle_QPSK_25@0	4.470	4.825
5MHz_Middle_16QAM_25@0	4.460	4.815
10MHz_Middle_QPSK_50@0	8.940	9.590
10MHz_Middle_16QAM_50@0	8.940	9.550
15MHz_Middle_QPSK_75@0	13.440	14.384
15MHz_Middle_16QAM_75@0	13.410	14.414
20MHz_Middle_QPSK_100@0	17.880	18.939
20MHz_Middle_16QAM_100@0	17.880	18.939

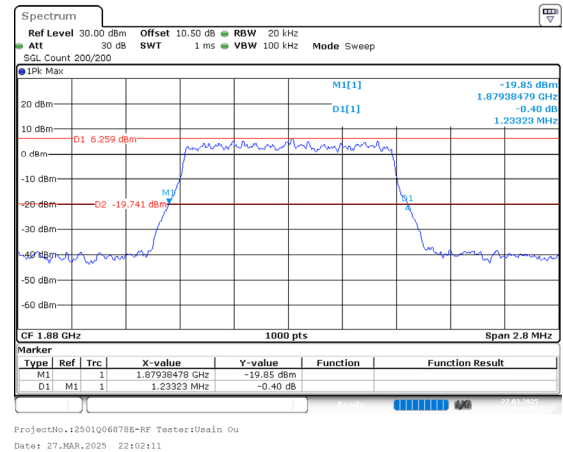
B2, Normal

1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth

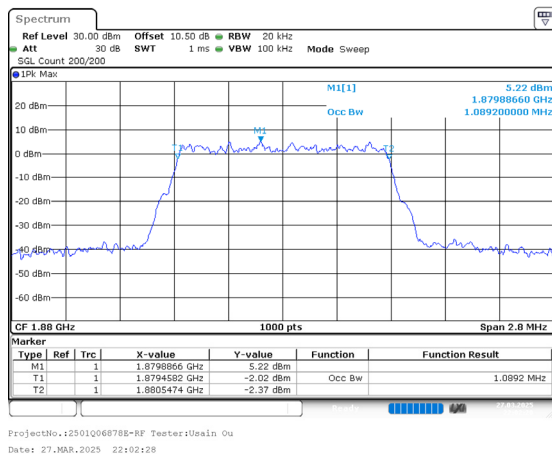


26dB Bandwidth

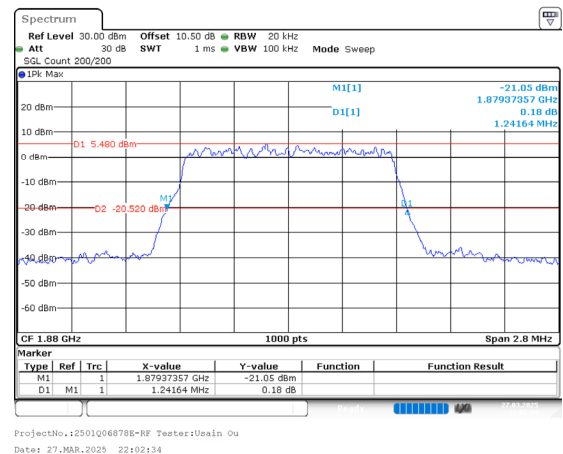


1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth

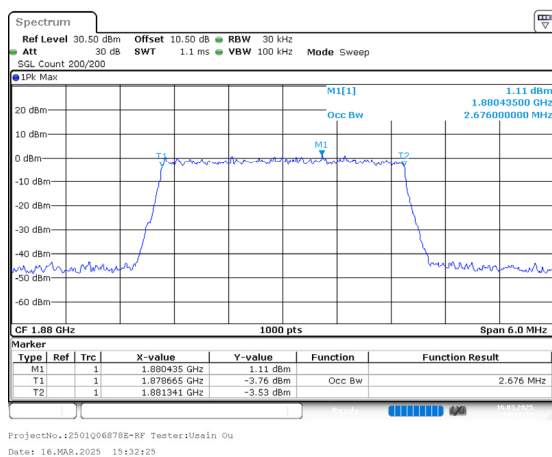


26dB Bandwidth

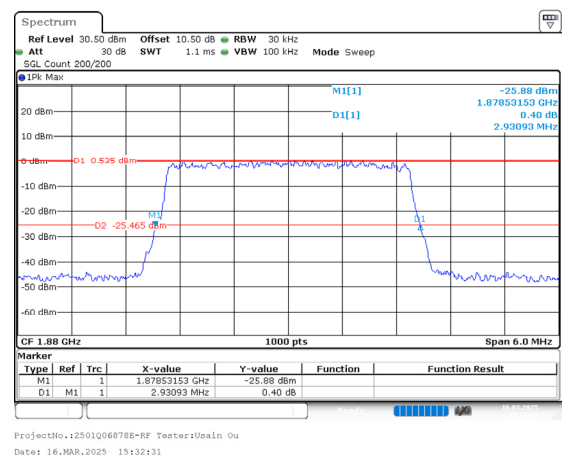


3MHz_Middle_QPSK_15@0

Occupied Bandwidth

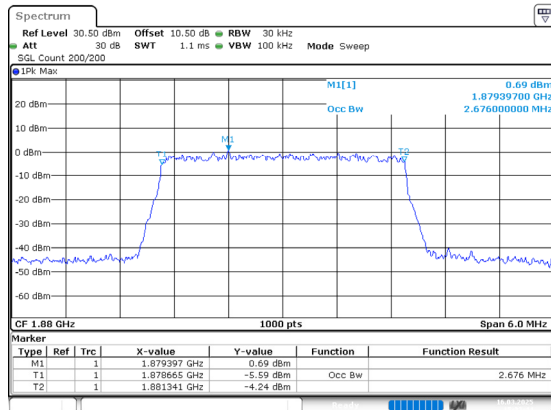


26dB Bandwidth



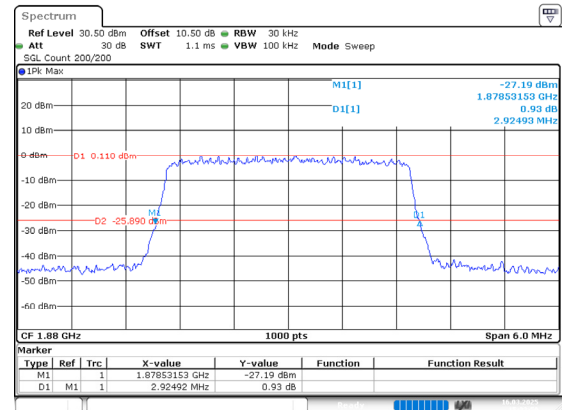
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:32:44

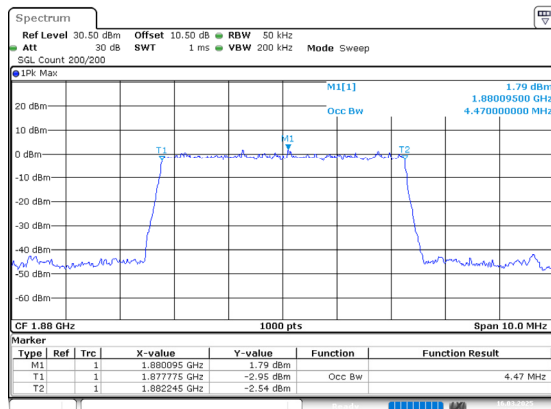
26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:32:50

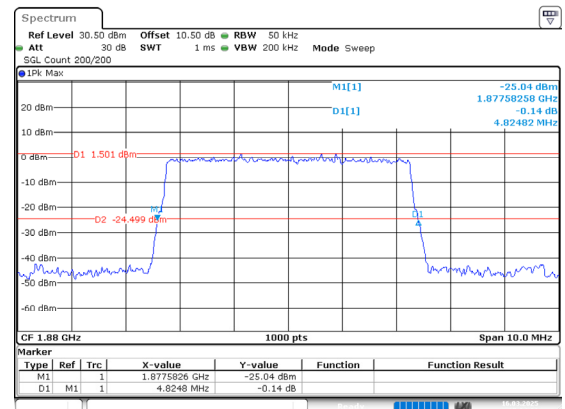
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:34:02

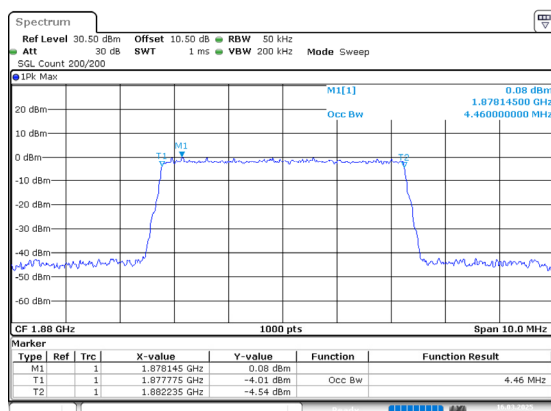
26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:34:08

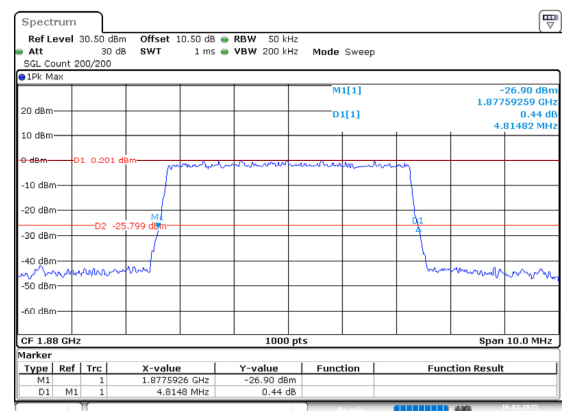
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:34:22

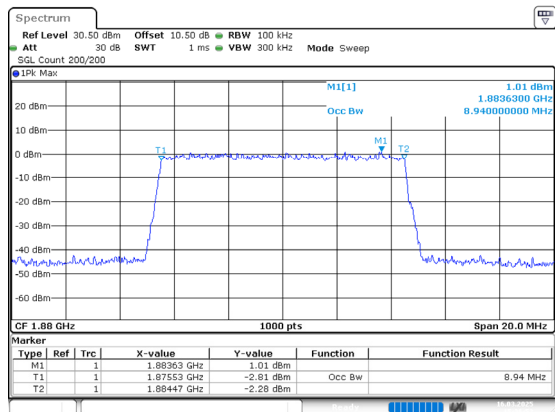
26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:34:28

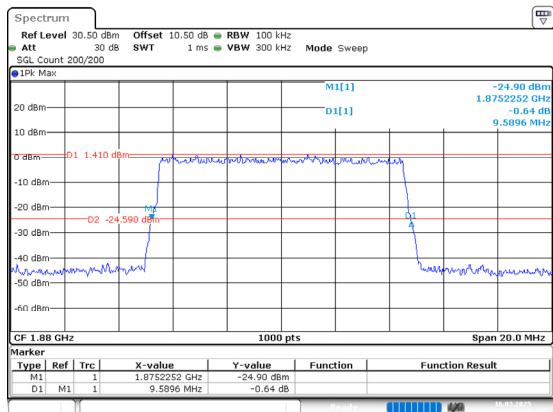
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:36:52

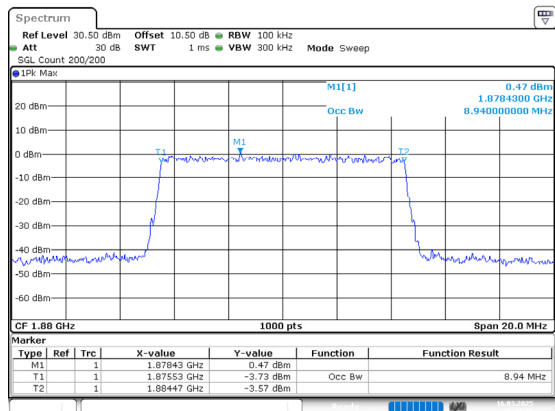
26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:36:59

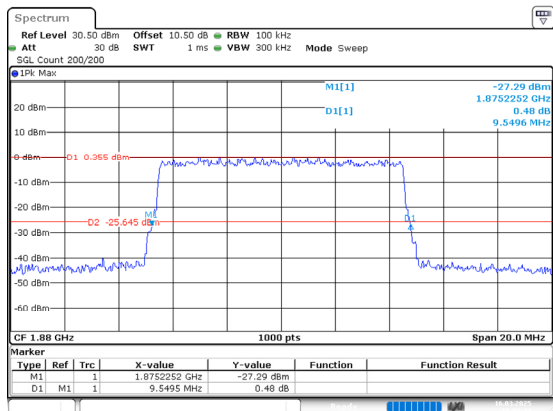
10MHz_Middle_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:37:16

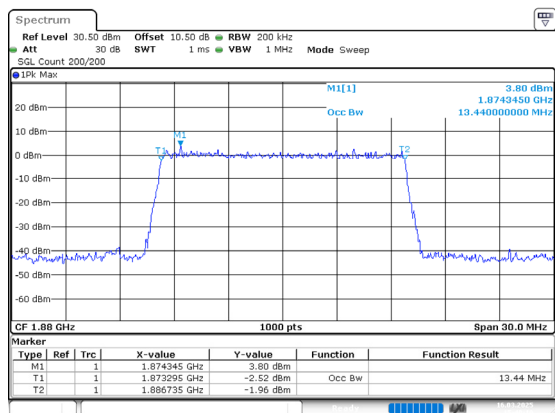
26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:37:23

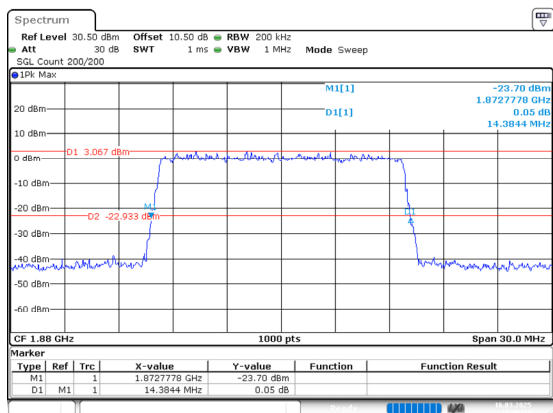
15MHz_Middle_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:40:11

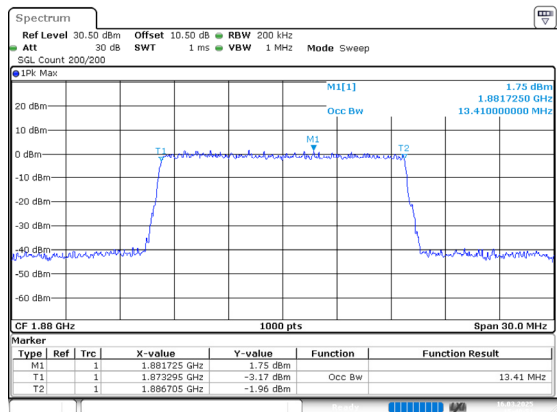
26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:40:23

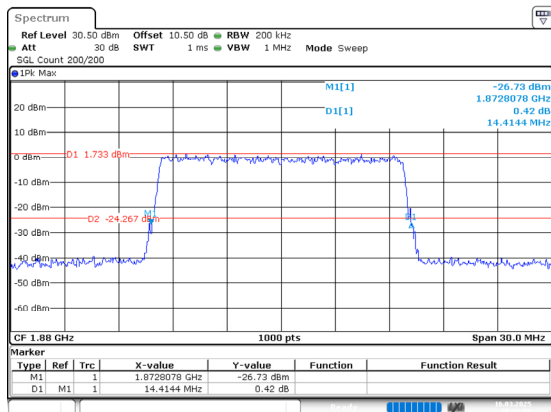
15MHz_Middle_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:40:51

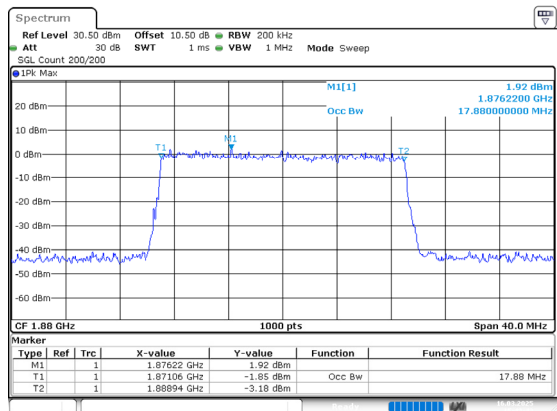
26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:41:03

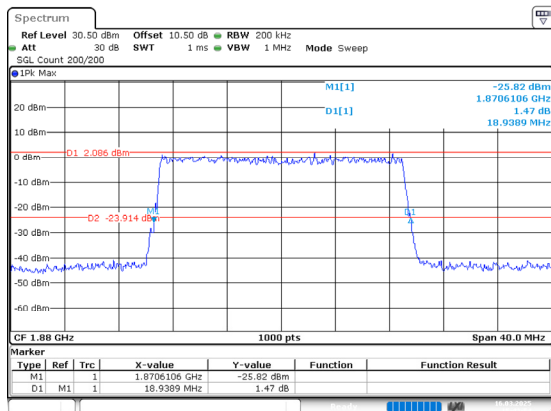
20MHz_Middle_QPSK_100@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:43:43

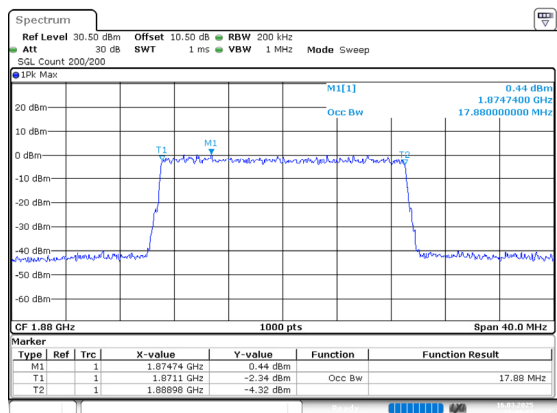
26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:43:54

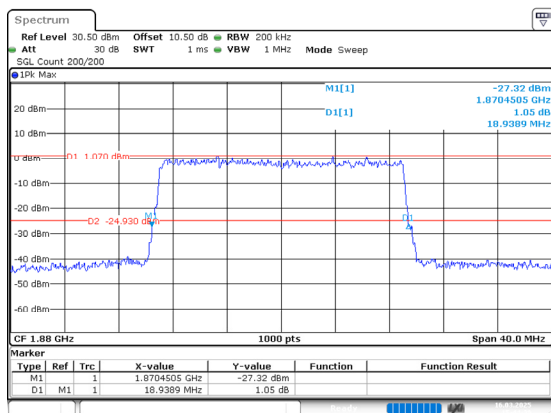
20MHz_Middle_16QAM_100@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:44:27

26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Ueain Ou
Date: 16.MAR.2025 15:44:40

FCC Part 27

B4, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.078	1.244
1.4MHz_Middle_16QAM_6@0	1.084	1.228
3MHz_Middle_QPSK_15@0	2.676	2.913
3MHz_Middle_16QAM_15@0	2.682	2.907
5MHz_Middle_QPSK_25@0	4.460	4.805
5MHz_Middle_16QAM_25@0	4.470	4.865
10MHz_Middle_QPSK_50@0	8.960	9.690
10MHz_Middle_16QAM_50@0	8.940	9.530
15MHz_Middle_QPSK_75@0	13.410	14.384
15MHz_Middle_16QAM_75@0	13.440	14.414
20MHz_Middle_QPSK_100@0	17.840	18.979
20MHz_Middle_16QAM_100@0	17.840	18.819

B7, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
5MHz_Middle_QPSK_25@0	4.470	4.865
5MHz_Middle_16QAM_25@0	4.470	4.875
10MHz_Middle_QPSK_50@0	8.940	9.530
10MHz_Middle_16QAM_50@0	8.940	9.570
15MHz_Middle_QPSK_75@0	13.380	14.444
15MHz_Middle_16QAM_75@0	13.410	14.475
20MHz_Middle_QPSK_100@0	17.840	18.899
20MHz_Middle_16QAM_100@0	17.880	18.899

B12, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.086	1.256
1.4MHz_Middle_16QAM_6@0	1.084	1.267
3MHz_Middle_QPSK_15@0	2.682	2.889
3MHz_Middle_16QAM_15@0	2.670	2.901
5MHz_Middle_QPSK_25@0	4.470	4.825
5MHz_Middle_16QAM_25@0	4.480	4.845
10MHz_Middle_QPSK_50@0	8.920	9.530
10MHz_Middle_16QAM_50@0	8.940	9.490

B17, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
5MHz_Middle_QPSK_25@0	4.470	4.855
5MHz_Middle_16QAM_25@0	4.470	4.835
10MHz_Middle_QPSK_50@0	8.900	9.470
10MHz_Middle_16QAM_50@0	8.920	9.510

B38, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
5MHz_Middle_QPSK_25@0	4.470	4.765
5MHz_Middle_16QAM_25@0	4.460	4.805
10MHz_Middle_QPSK_50@0	8.940	9.730
10MHz_Middle_16QAM_50@0	8.920	9.570
15MHz_Middle_QPSK_75@0	13.410	14.294
15MHz_Middle_16QAM_75@0	13.410	14.174
20MHz_Middle_QPSK_100@0	17.880	18.979
20MHz_Middle_16QAM_100@0	17.800	18.699

B66, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Middle_QPSK_6@0	1.078	1.247
1.4MHz_Middle_16QAM_6@0	1.089	1.267
3MHz_Middle_QPSK_15@0	2.682	2.931
3MHz_Middle_16QAM_15@0	2.682	2.925
5MHz_Middle_QPSK_25@0	4.480	4.825
5MHz_Middle_16QAM_25@0	4.470	4.795
10MHz_Middle_QPSK_50@0	8.960	9.630
10MHz_Middle_16QAM_50@0	8.920	9.590
15MHz_Middle_QPSK_75@0	13.380	14.414
15MHz_Middle_16QAM_75@0	13.410	14.324
20MHz_Middle_QPSK_100@0	17.840	18.979
20MHz_Middle_16QAM_100@0	17.880	18.819

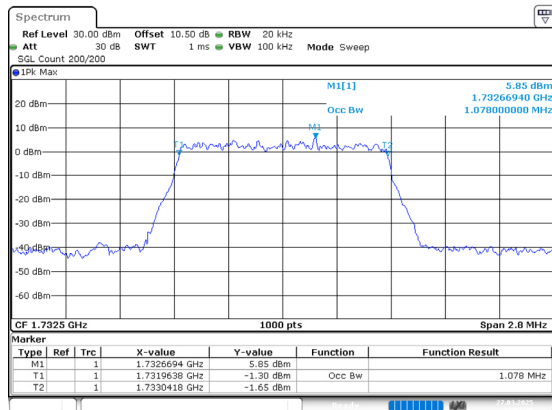
B41, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
5MHz_Middle_QPSK_25@0	4.460	4.805
5MHz_Middle_16QAM_25@0	4.470	4.835
10MHz_Middle_QPSK_50@0	8.960	9.490
10MHz_Middle_16QAM_50@0	8.940	9.429
15MHz_Middle_QPSK_75@0	13.440	14.294
15MHz_Middle_16QAM_75@0	13.410	14.174
20MHz_Middle_QPSK_100@0	17.800	18.739
20MHz_Middle_16QAM_100@0	17.840	18.819

B4, Normal

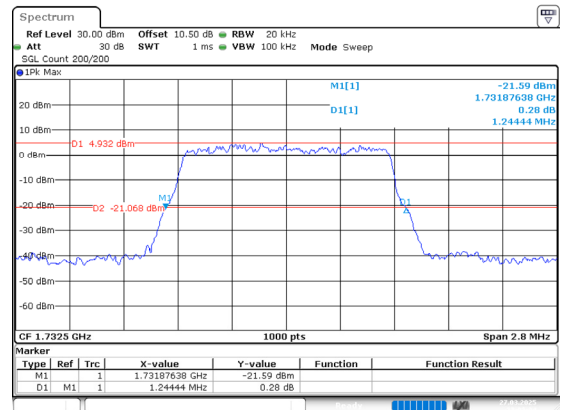
1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Usain Ou
Date: 27.MAR.2025 22:03:26

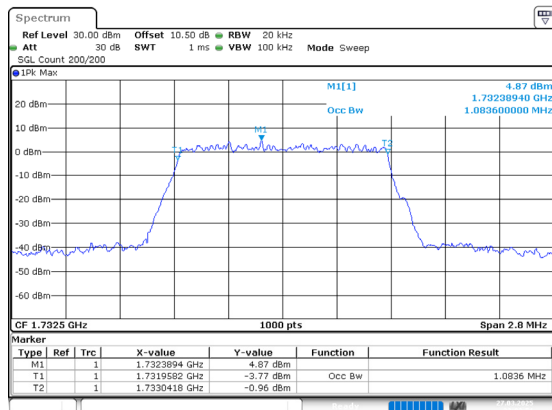
26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Usain Ou
Date: 27.MAR.2025 22:03:33

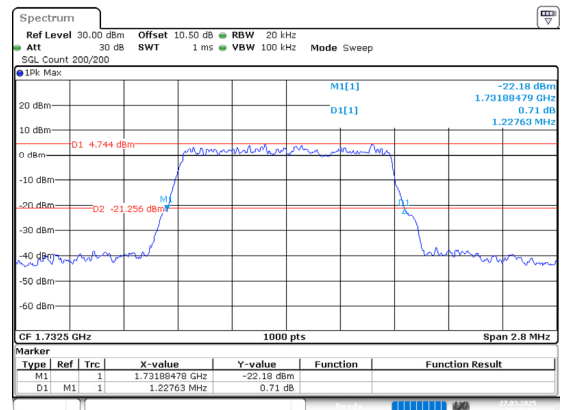
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Usain Ou
Date: 27.MAR.2025 22:03:51

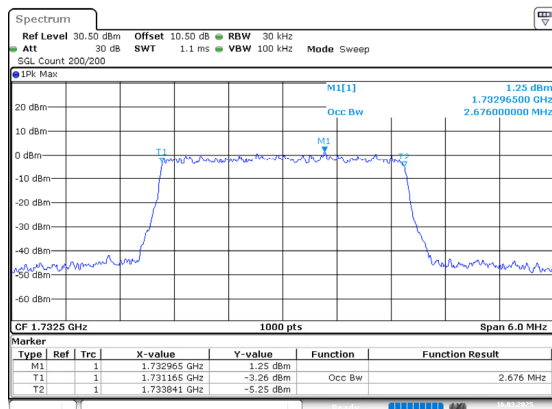
26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Usain Ou
Date: 27.MAR.2025 22:03:58

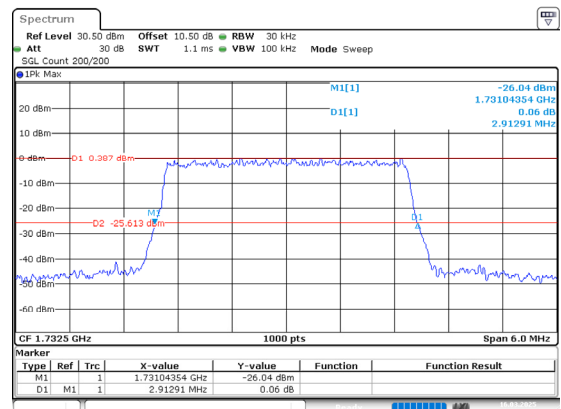
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Usain Ou
Date: 16.MAR.2025 15:49:59

26dB Bandwidth



ProjectNo.:2501Q06878E-RF Tester:Usain Ou
Date: 16.MAR.2025 15:50:07