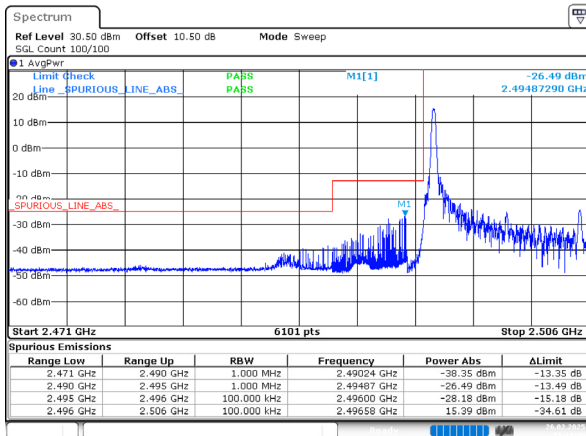
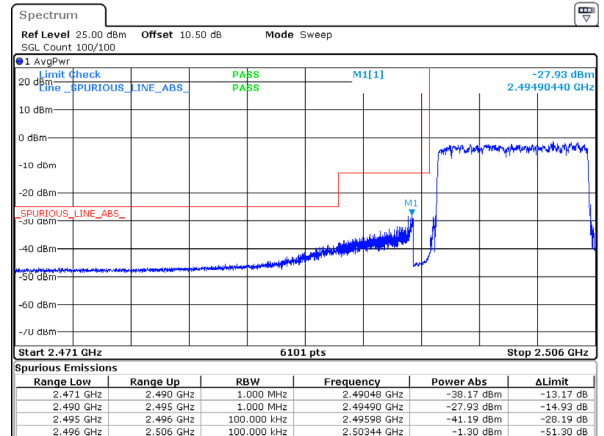


10MHz_Low_QPSK_1@0



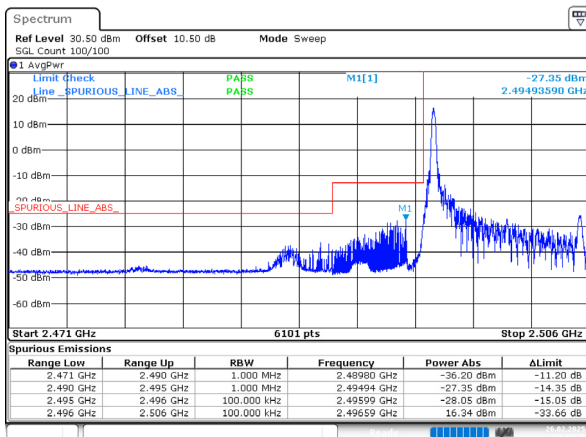
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 21:11:49

10MHz_Low_QPSK_50@0



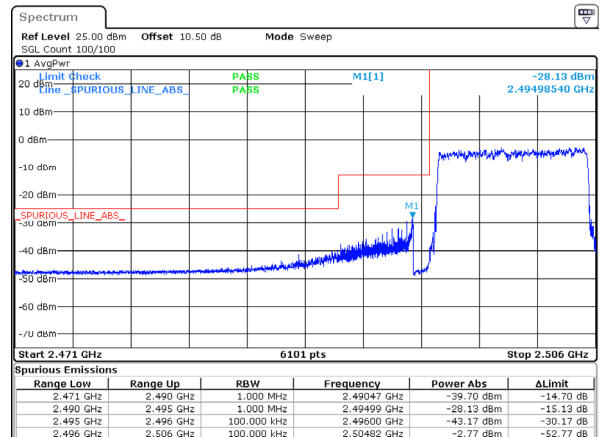
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:08:53

10MHz_Low_16QAM_1@0



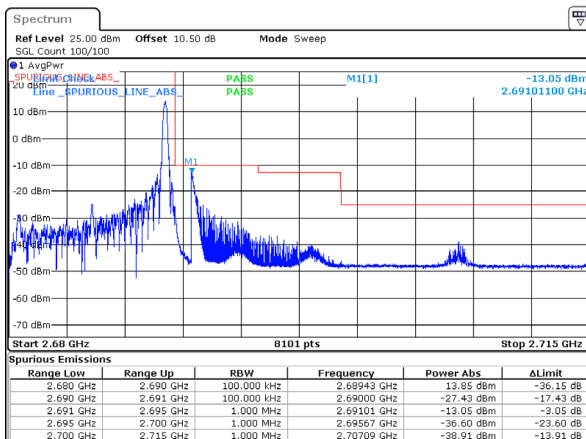
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 21:12:40

10MHz_Low_16QAM_50@0



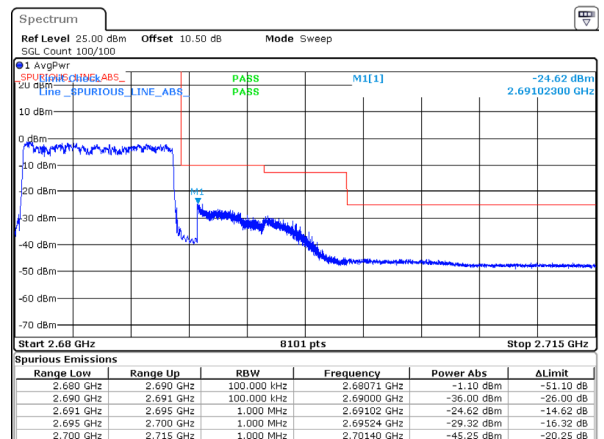
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:09:14

10MHz_High_QPSK_1@49



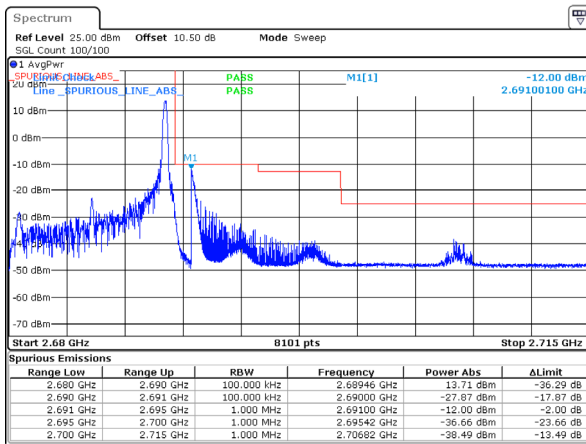
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:09:29

10MHz_High_QPSK_50@0



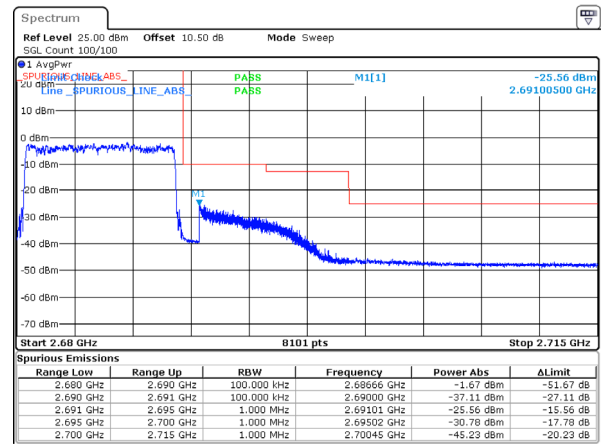
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:09:40

10MHz_High_16QAM_1@49



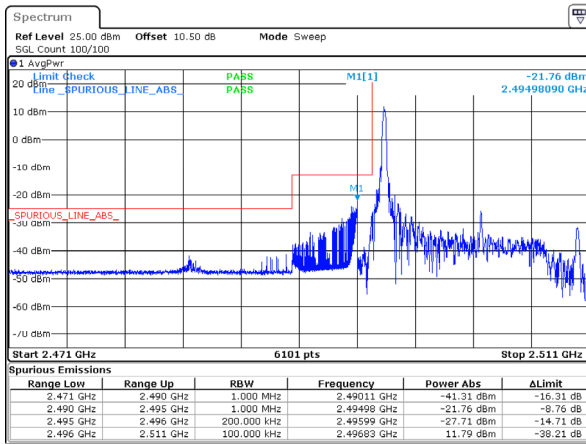
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:09:52

10MHz_High_16QAM_50@0



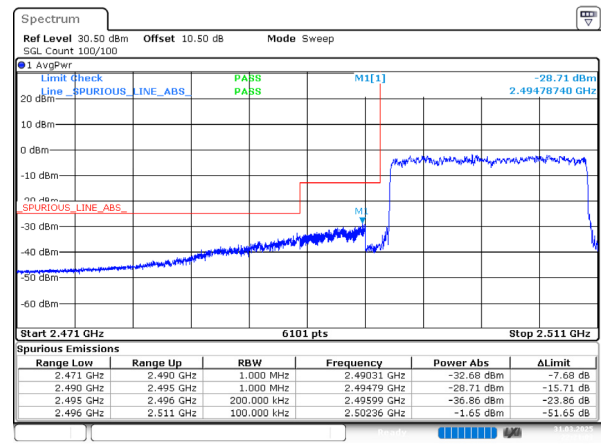
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:10:03

15MHz_Low_QPSK_1@0



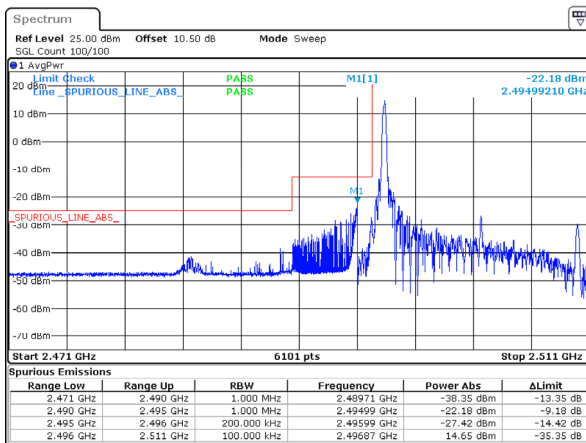
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:10:53

15MHz_Low_QPSK_75@0



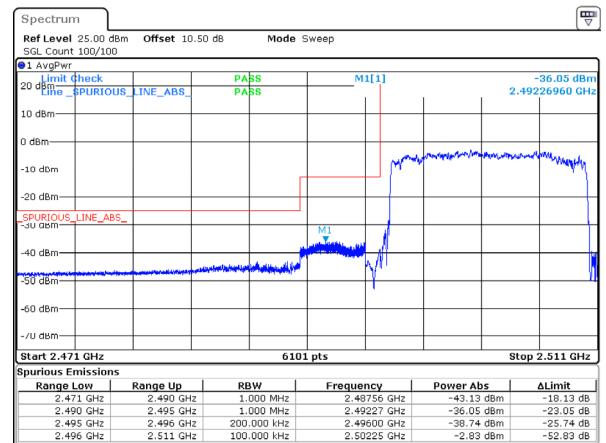
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 31.MAR.2025 22:21:03

15MHz_Low_16QAM_1@0



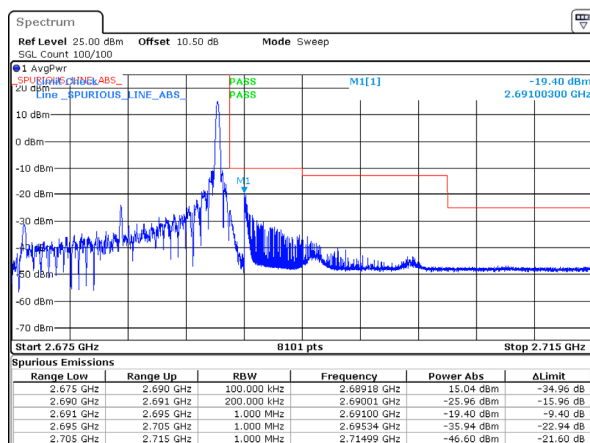
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:11:11

15MHz_Low_16QAM_75@0



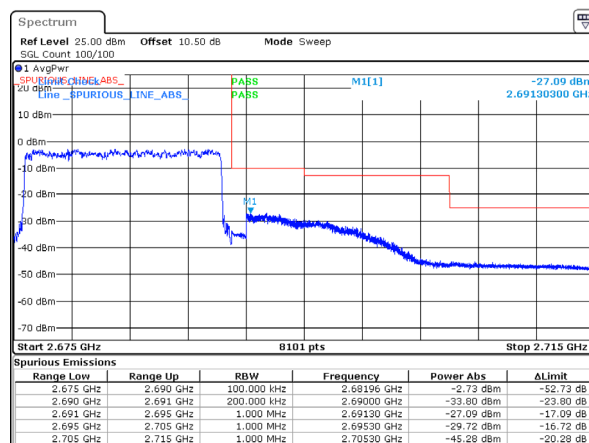
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:11:20

15MHz_High_QPSK_1@74



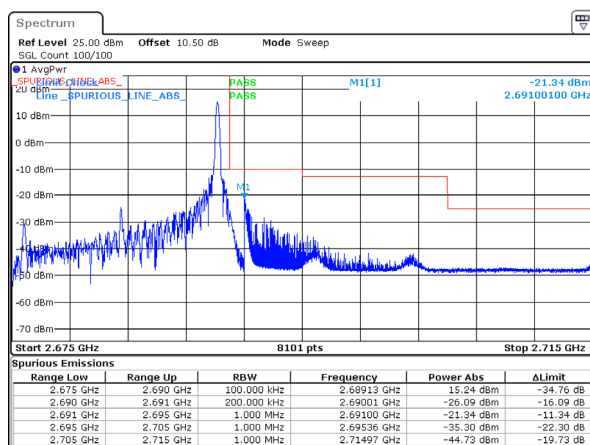
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:11:32

15MHz_High_QPSK_75@0



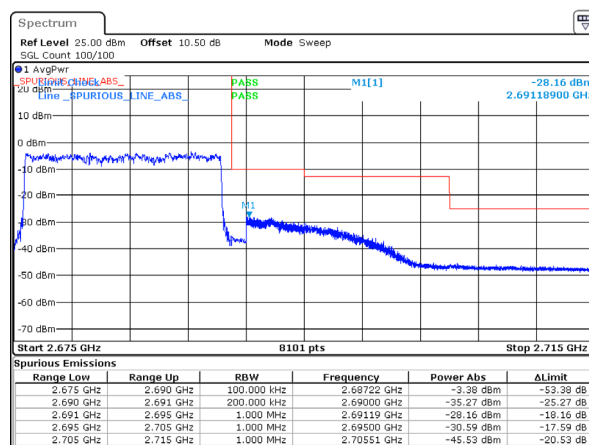
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:11:41

15MHz_High_16QAM_1@74



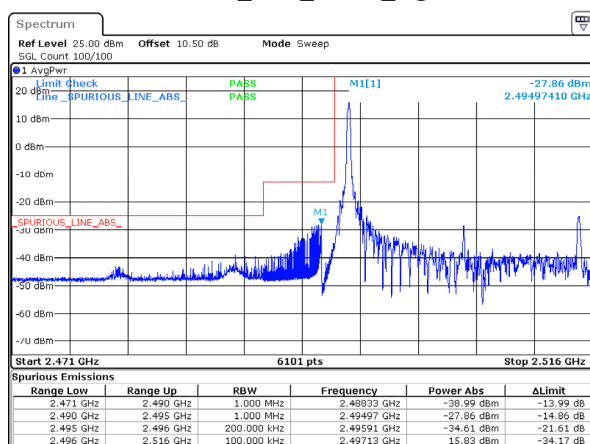
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:11:50

15MHz_High_16QAM_75@0



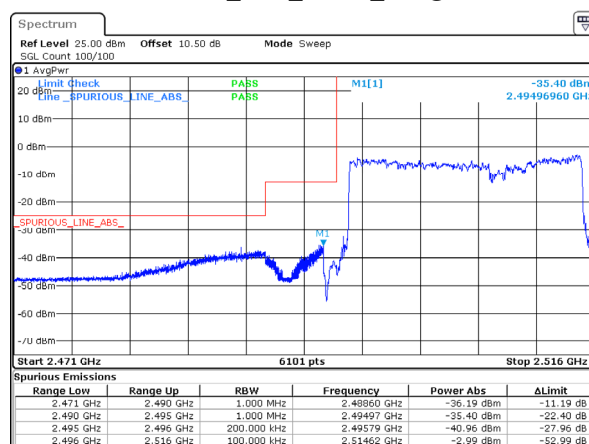
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:12:00

20MHz_Low_QPSK_1@0



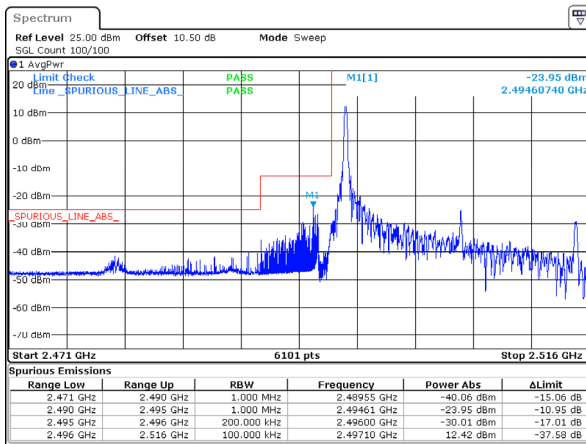
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:12:51

20MHz_Low_QPSK_100@0



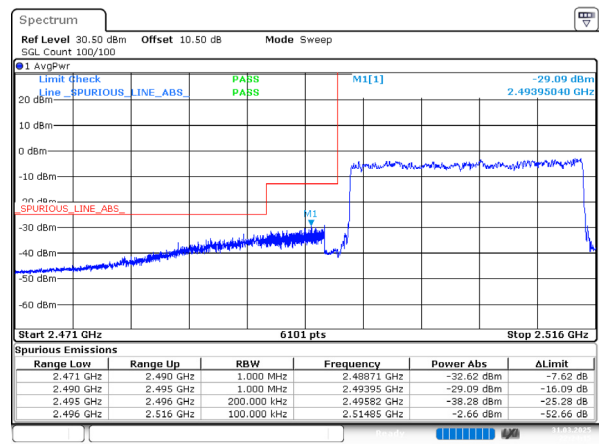
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:13:00

20MHz_Low_16QAM_1@0



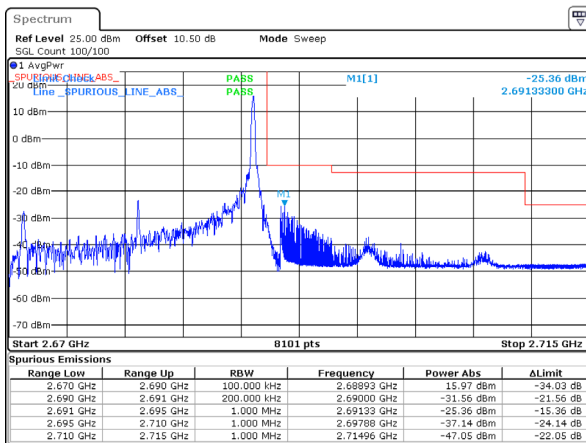
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:13:10

20MHz_Low_16QAM_100@0



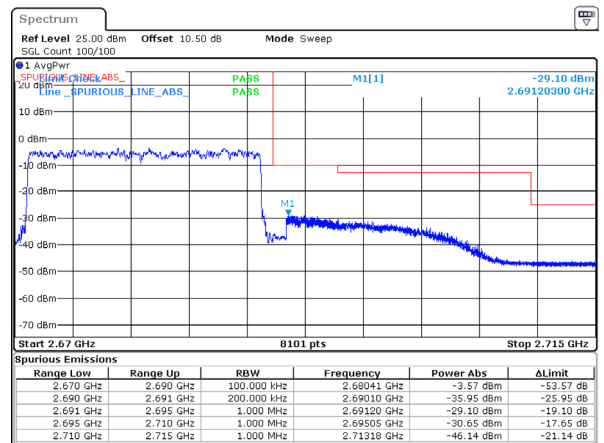
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 31.MAR.2025 22:24:15

20MHz_High_QPSK_1@99



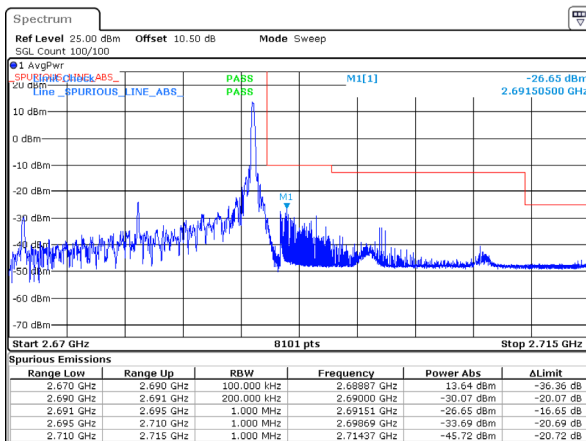
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:13:31

20MHz_High_QPSK_100@0



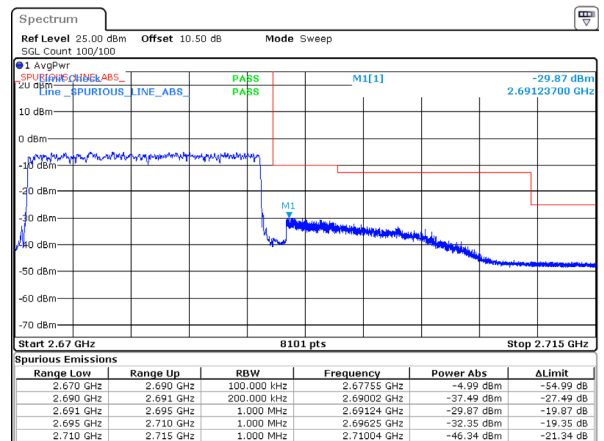
ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:13:41

20MHz_High_16QAM_1@99



ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:13:50

20MHz_High_16QAM_100@0



ProjectNo.:2501P41381E-RF Tester:Usain Ou
Date: 26.FEB.2025 00:14:00

Frequency stability vs. temperature & Frequency stability vs. voltage Compliance

FCC Part 22H

B5, TN/VN

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
10MHz_QPSK_50@0	836.5	2.2	0.003	±2.5	Pass
10MHz_16QAM_50@0	836.5	-2.5	-0.003	±2.5	Pass

B5, TN/VH

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
10MHz_QPSK_50@0	836.5	-4.31	-0.005	±2.5	Pass
10MHz_16QAM_50@0	836.5	1.47	0.002	±2.5	Pass

B5, TN/VL

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
10MHz_QPSK_50@0	836.5	1.26	0.002	±2.5	Pass
10MHz_16QAM_50@0	836.5	-0.92	-0.001	±2.5	Pass

B5, T1/VN

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
10MHz_QPSK_50@0	836.5	6.78	0.008	±2.5	Pass
10MHz_16QAM_50@0	836.5	-3.58	-0.004	±2.5	Pass

B5, T2/VN

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
10MHz_QPSK_50@0	836.5	-2.30	-0.003	±2.5	Pass
10MHz_16QAM_50@0	836.5	-4.64	-0.006	±2.5	Pass

B5, T3/VN

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
10MHz_QPSK_50@0	836.5	-8.13	-0.010	±2.5	Pass
10MHz_16QAM_50@0	836.5	3.33	0.004	±2.5	Pass

B5, T4/VN

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
10MHz_QPSK_50@0	836.5	-3.63	-0.004	±2.5	Pass
10MHz_16QAM_50@0	836.5	5.74	0.007	±2.5	Pass

B5, T5/VN

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
10MHz_QPSK_50@0	836.5	-2.97	-0.004	±2.5	Pass
10MHz_16QAM_50@0	836.5	-4.90	-0.006	±2.5	Pass

B5, T6/VN

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
10MHz_QPSK_50@0	836.5	-2.00	-0.002	±2.5	Pass
10MHz_16QAM_50@0	836.5	4.90	0.006	±2.5	Pass

B5, T7/VN

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
10MHz_QPSK_50@0	836.5	-1.73	-0.002	±2.5	Pass
10MHz_16QAM_50@0	836.5	3.02	0.004	±2.5	Pass

B5, T8/VN

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
10MHz_QPSK_50@0	836.5	-1.99	-0.002	±2.5	Pass
10MHz_16QAM_50@0	836.5	-4.32	-0.005	±2.5	Pass

Note:

Frequency Error (ppm)=Frequency Error (MHz)/Test Channel(MHz)*10⁶

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: 3.87V; VL: 3.45V; VH: 4.45V.

FCC Part 24E

B2, TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	1851.069	1908.931	1850 ~ 1910	Pass
20MHz_16QAM_100@0	1851.069	1908.931	1850 ~ 1910	Pass

B2, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	1851.184	1908.720	1850 ~ 1910	Pass
20MHz_16QAM_100@0	1851.046	1908.811	1850 ~ 1910	Pass

B2, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	1851.063	1908.861	1850 ~ 1910	Pass
20MHz_16QAM_100@0	1851.138	1908.699	1850 ~ 1910	Pass

B2, T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	1851.101	1908.523	1850 ~ 1910	Pass
20MHz_16QAM_100@0	1851.100	1908.629	1850 ~ 1910	Pass

B2, T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	1851.173	1908.723	1850 ~ 1910	Pass
20MHz_16QAM_100@0	1851.081	1908.518	1850 ~ 1910	Pass

B2, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	1851.026	1908.654	1850 ~ 1910	Pass
20MHz_16QAM_100@0	1851.149	1908.936	1850 ~ 1910	Pass

B2, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	1851.137	1908.833	1850 ~ 1910	Pass
20MHz_16QAM_100@0	1851.164	1908.581	1850 ~ 1910	Pass

B2, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	1851.015	1908.880	1850 ~ 1910	Pass
20MHz_16QAM_100@0	1851.085	1908.975	1850 ~ 1910	Pass

B2, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	1851.121	1908.804	1850 ~ 1910	Pass
20MHz_16QAM_100@0	1851.131	1908.578	1850 ~ 1910	Pass

B2, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	1851.098	1908.816	1850 ~ 1910	Pass
20MHz_16QAM_100@0	1851.027	1908.793	1850 ~ 1910	Pass

B2, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	1851.093	1908.992	1850 ~ 1910	Pass
20MHz_16QAM_100@0	1851.149	1908.787	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: 3.87V; VL: 3.45V; VH: 4.45V.

FCC Part 27

B7, TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2501.129	2569.051	2500 ~ 2570	Pass
20MHz_16QAM_100@0	2501.129	2569.191	2500 ~ 2570	Pass

B7, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2501.166	2569.109	2500 ~ 2570	Pass
20MHz_16QAM_100@0	2501.035	2569.012	2500 ~ 2570	Pass

B7, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2501.142	2569.193	2500 ~ 2570	Pass
20MHz_16QAM_100@0	2501.136	2569.025	2500 ~ 2570	Pass

B7, T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2501.039	2569.089	2500 ~ 2570	Pass
20MHz_16QAM_100@0	2501.141	2569.061	2500 ~ 2570	Pass

B7, T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2501.156	2569.029	2500 ~ 2570	Pass
20MHz_16QAM_100@0	2501.197	2569.184	2500 ~ 2570	Pass

B7, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2501.141	2569.158	2500 ~ 2570	Pass
20MHz_16QAM_100@0	2501.087	2569.128	2500 ~ 2570	Pass

B7, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2501.112	2569.073	2500 ~ 2570	Pass
20MHz_16QAM_100@0	2501.183	2569.087	2500 ~ 2570	Pass

B7, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2501.111	2569.155	2500 ~ 2570	Pass
20MHz_16QAM_100@0	2501.098	2569.181	2500 ~ 2570	Pass

B7, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2501.092	2569.089	2500 ~ 2570	Pass
20MHz_16QAM_100@0	2501.140	2569.177	2500 ~ 2570	Pass

B7, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2501.198	2569.034	2500 ~ 2570	Pass
20MHz_16QAM_100@0	2501.018	2569.027	2500 ~ 2570	Pass

B7, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2501.014	2569.027	2500 ~ 2570	Pass
20MHz_16QAM_100@0	2501.033	2569.045	2500 ~ 2570	Pass

B12, TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	699.534	715.525	699 ~ 716	Pass
10MHz_16QAM_50@0	699.564	715.496	699 ~ 716	Pass

B12, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	699.515	715.429	699 ~ 716	Pass
10MHz_16QAM_50@0	699.503	715.531	699 ~ 716	Pass

B12, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	699.489	715.447	699 ~ 716	Pass
10MHz_16QAM_50@0	699.521	715.413	699 ~ 716	Pass

B12, T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	699.543	715.481	699 ~ 716	Pass
10MHz_16QAM_50@0	699.473	715.415	699 ~ 716	Pass

B12, T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	699.532	715.577	699 ~ 716	Pass
10MHz_16QAM_50@0	699.484	715.514	699 ~ 716	Pass

B12, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	699.600	715.531	699 ~ 716	Pass
10MHz_16QAM_50@0	699.572	715.591	699 ~ 716	Pass

B12, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	699.441	715.568	699 ~ 716	Pass
10MHz_16QAM_50@0	699.566	715.476	699 ~ 716	Pass

B12, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	699.488	715.590	699 ~ 716	Pass
10MHz_16QAM_50@0	699.530	715.532	699 ~ 716	Pass

B12, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	699.416	715.443	699 ~ 716	Pass
10MHz_16QAM_50@0	699.508	715.538	699 ~ 716	Pass

B12, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	699.498	715.418	699 ~ 716	Pass
10MHz_16QAM_50@0	699.563	715.556	699 ~ 716	Pass

B12, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	699.544	715.568	699 ~ 716	Pass
10MHz_16QAM_50@0	699.440	715.485	699 ~ 716	Pass

B41, TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2497.129	2688.991	2496 ~ 2690	Pass
20MHz_16QAM_100@0	2497.069	2688.991	2496 ~ 2690	Pass

B41, TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2497.105	2688.846	2496 ~ 2690	Pass
20MHz_16QAM_100@0	2497.048	2688.974	2496 ~ 2690	Pass

B41, TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2497.095	2688.943	2496 ~ 2690	Pass
20MHz_16QAM_100@0	2497.006	2688.852	2496 ~ 2690	Pass

B41, T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2497.068	2688.915	2496 ~ 2690	Pass
20MHz_16QAM_100@0	2497.126	2688.866	2496 ~ 2690	Pass

B41, T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2497.124	2688.822	2496 ~ 2690	Pass
20MHz_16QAM_100@0	2497.030	2688.983	2496 ~ 2690	Pass

B41, T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2497.191	2688.960	2496 ~ 2690	Pass
20MHz_16QAM_100@0	2497.097	2688.885	2496 ~ 2690	Pass

B41, T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2497.103	2688.883	2496 ~ 2690	Pass
20MHz_16QAM_100@0	2497.188	2688.892	2496 ~ 2690	Pass

B41, T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2497.031	2688.970	2496 ~ 2690	Pass
20MHz_16QAM_100@0	2497.076	2688.894	2496 ~ 2690	Pass

B41, T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2497.190	2688.849	2496 ~ 2690	Pass
20MHz_16QAM_100@0	2497.021	2688.946	2496 ~ 2690	Pass

B41, T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2497.083	2688.826	2496 ~ 2690	Pass
20MHz_16QAM_100@0	2497.101	2688.969	2496 ~ 2690	Pass

B41, T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	2497.019	2688.907	2496 ~ 2690	Pass
20MHz_16QAM_100@0	2497.108	2688.874	2496 ~ 2690	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: 3.87V; VL: 3.45V; VH: 4.45V.

***** **END** *****