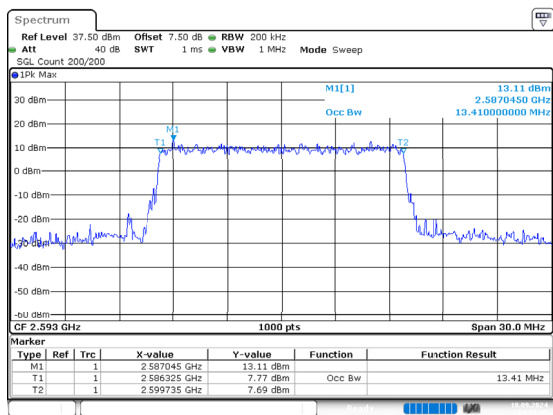


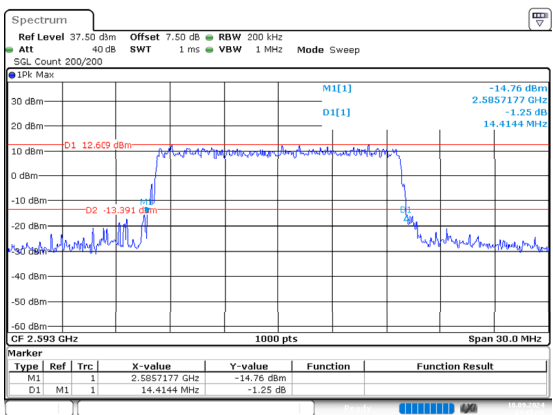
15MHz_Middle_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:15:17

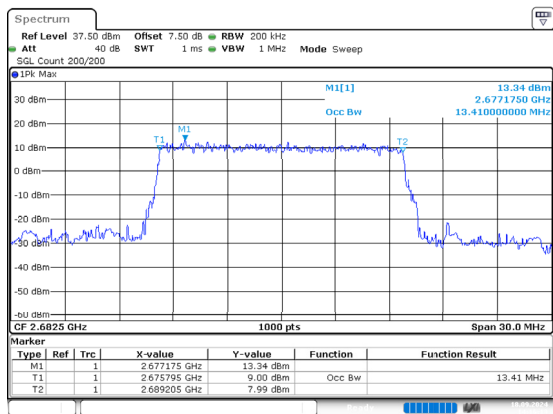


ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:15:49

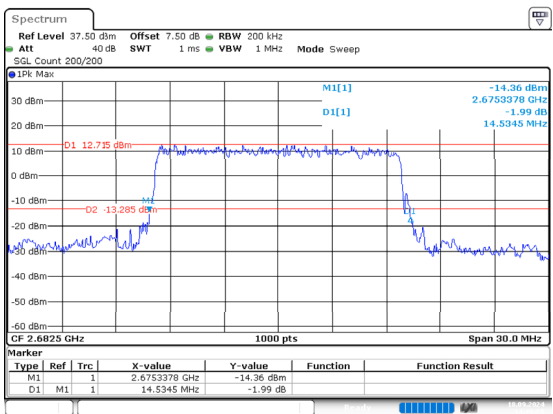
15MHz_High_QPSK_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:16:13

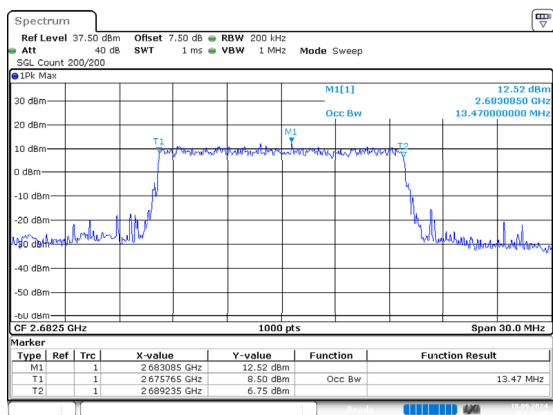


ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:16:25

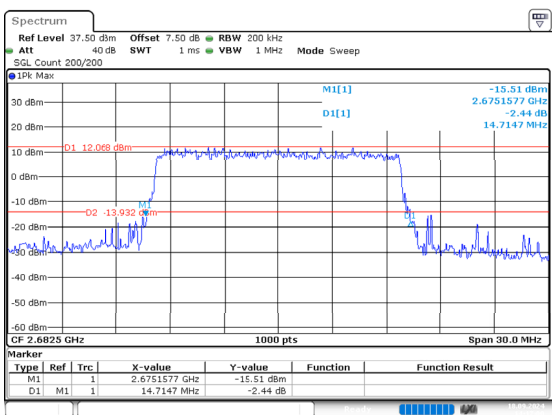
15MHz_High_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:16:18

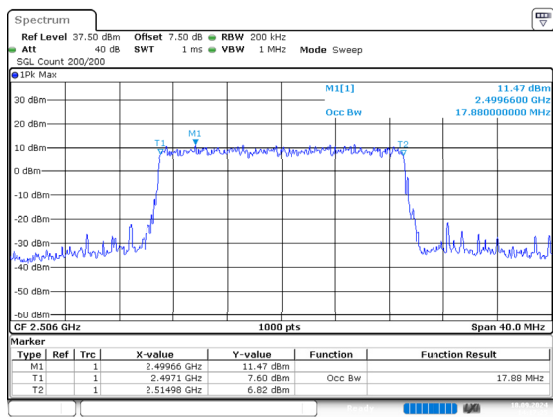


ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:17:00

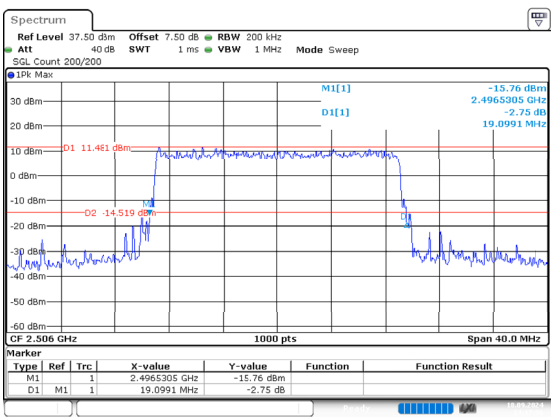
20MHz_Low_QPSK_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:17:15

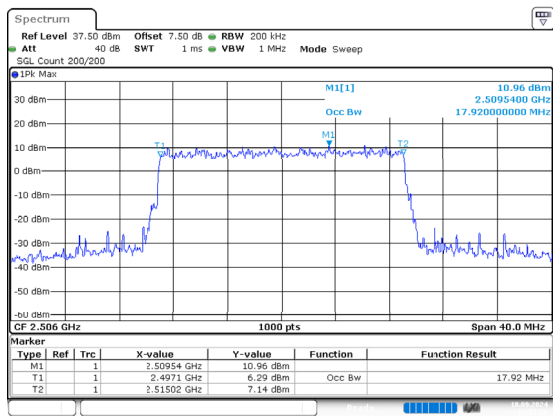


ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:17:36

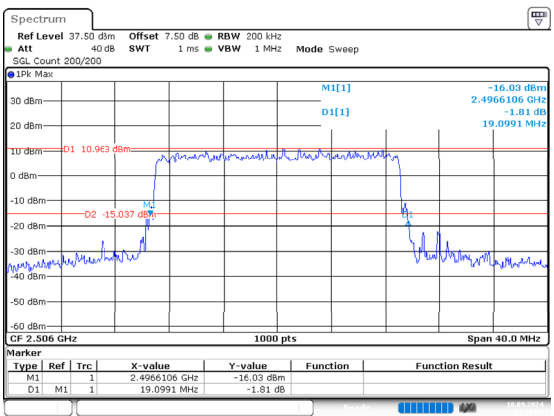
20MHz_Low_16QAM_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:17:18

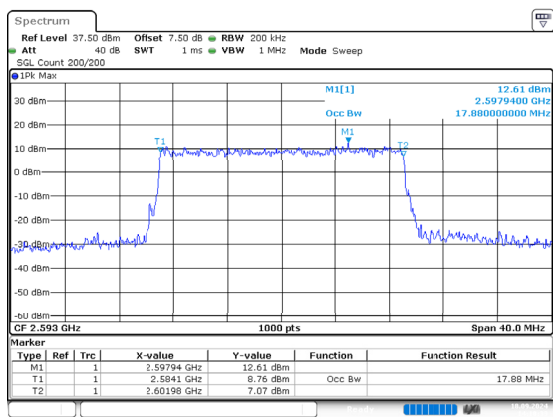


ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:18:09

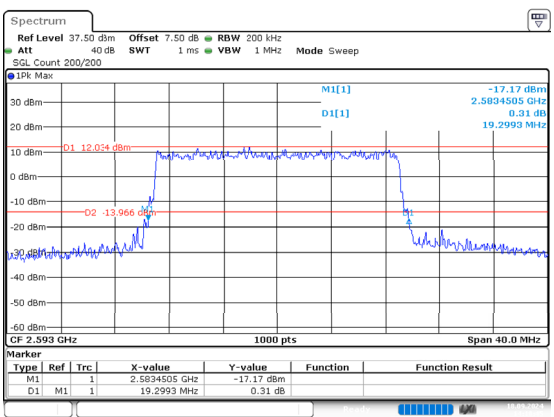
20MHz_Middle_QPSK_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:18:13

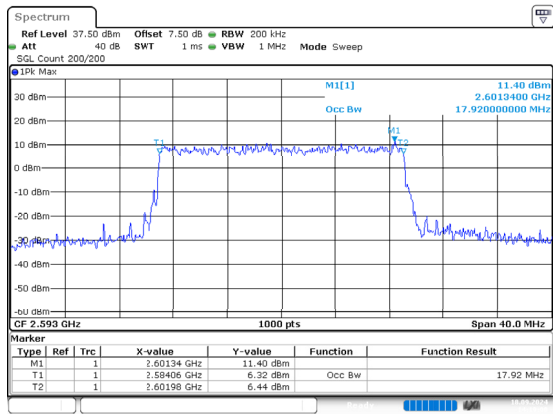


ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:18:45

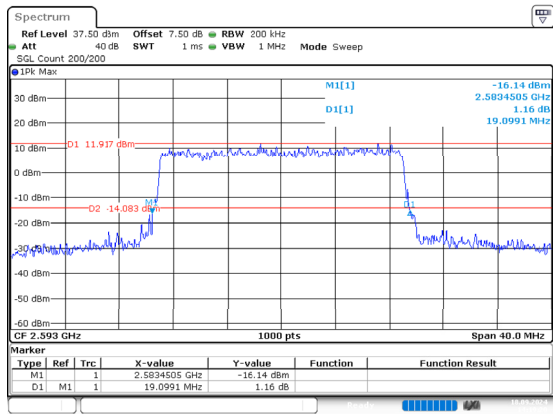
20MHz_Middle_16QAM_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:19:18

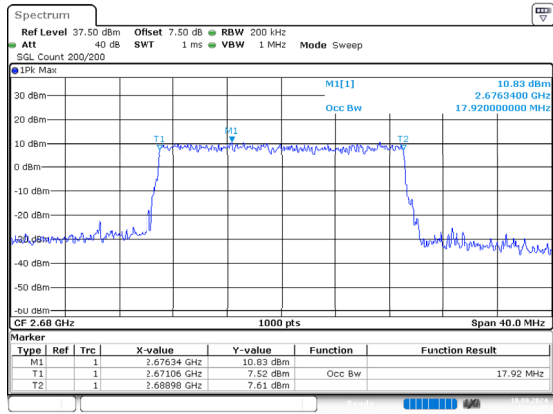


ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:19:20

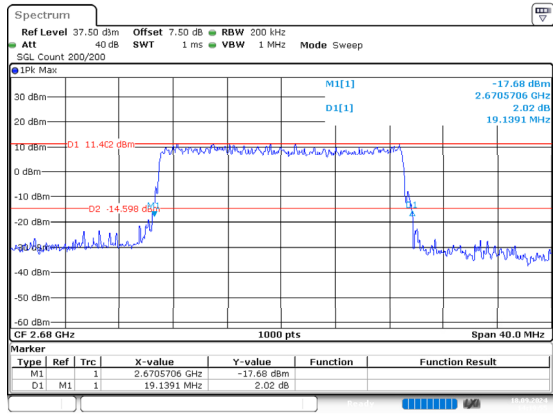
20MHz_High_QPSK_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:19:13

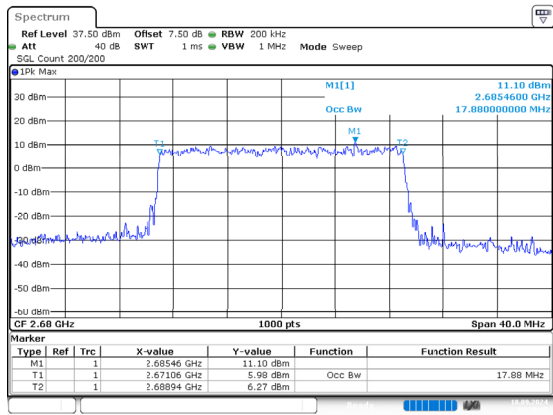


ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:19:55

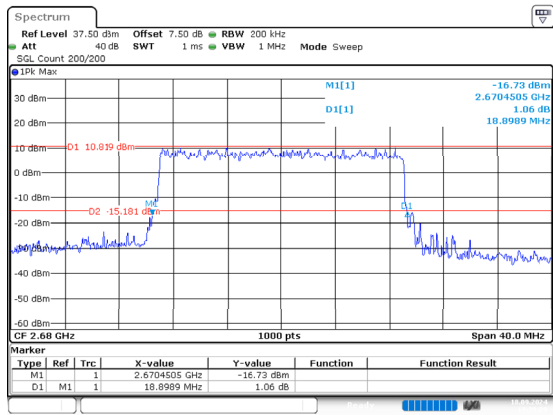
20MHz_High_16QAM_100@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:20:17



ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 14:20:29

RF Output Power

FCC Part 22H

B5 , Normal

Mode	Average Conducted Power(dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
1.4MHz_Low_QPSK_1@0	22.61	20.27	0.106	7	Pass
1.4MHz_Low_QPSK_1@3	22.59	20.25	0.106	7	Pass
1.4MHz_Low_QPSK_1@5	22.64	20.30	0.107	7	Pass
1.4MHz_Low_QPSK_3@0	22.70	20.36	0.109	7	Pass
1.4MHz_Low_QPSK_3@1	22.63	20.29	0.107	7	Pass
1.4MHz_Low_QPSK_3@3	22.56	20.22	0.105	7	Pass
1.4MHz_Low_QPSK_6@0	21.56	19.22	0.084	7	Pass
1.4MHz_Low_16QAM_1@0	21.44	19.10	0.081	7	Pass
1.4MHz_Low_16QAM_1@3	21.44	19.10	0.081	7	Pass
1.4MHz_Low_16QAM_1@5	21.43	19.09	0.081	7	Pass
1.4MHz_Low_16QAM_3@0	21.44	19.10	0.081	7	Pass
1.4MHz_Low_16QAM_3@1	21.50	19.16	0.082	7	Pass
1.4MHz_Low_16QAM_3@3	21.46	19.12	0.082	7	Pass
1.4MHz_Low_16QAM_6@0	20.66	18.32	0.068	7	Pass
1.4MHz_Middle_QPSK_1@0	22.78	20.44	0.111	7	Pass
1.4MHz_Middle_QPSK_1@3	22.68	20.34	0.108	7	Pass
1.4MHz_Middle_QPSK_1@5	22.73	20.39	0.109	7	Pass
1.4MHz_Middle_QPSK_3@0	22.66	20.32	0.108	7	Pass
1.4MHz_Middle_QPSK_3@1	22.71	20.37	0.109	7	Pass
1.4MHz_Middle_QPSK_3@3	22.62	20.28	0.107	7	Pass
1.4MHz_Middle_QPSK_6@0	21.67	19.33	0.086	7	Pass
1.4MHz_Middle_16QAM_1@0	22.51	20.17	0.104	7	Pass
1.4MHz_Middle_16QAM_1@3	22.52	20.18	0.104	7	Pass
1.4MHz_Middle_16QAM_1@5	22.56	20.22	0.105	7	Pass
1.4MHz_Middle_16QAM_3@0	21.98	19.64	0.092	7	Pass
1.4MHz_Middle_16QAM_3@1	21.98	19.64	0.092	7	Pass
1.4MHz_Middle_16QAM_3@3	21.97	19.63	0.092	7	Pass
1.4MHz_Middle_16QAM_6@0	20.98	18.64	0.073	7	Pass
1.4MHz_High_QPSK_1@0	22.72	20.38	0.109	7	Pass
1.4MHz_High_QPSK_1@3	22.72	20.38	0.109	7	Pass
1.4MHz_High_QPSK_1@5	22.73	20.39	0.109	7	Pass

Mode	Average Conducted Power(dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
1.4MHz_High_QPSK_3@0	22.65	20.31	0.107	7	Pass
1.4MHz_High_QPSK_3@1	22.70	20.36	0.109	7	Pass
1.4MHz_High_QPSK_3@3	22.72	20.38	0.109	7	Pass
1.4MHz_High_QPSK_6@0	21.54	19.20	0.083	7	Pass
1.4MHz_High_16QAM_1@0	22.32	19.98	0.100	7	Pass
1.4MHz_High_16QAM_1@3	22.29	19.95	0.099	7	Pass
1.4MHz_High_16QAM_1@5	22.26	19.92	0.098	7	Pass
1.4MHz_High_16QAM_3@0	21.91	19.57	0.091	7	Pass
1.4MHz_High_16QAM_3@1	21.87	19.53	0.090	7	Pass
1.4MHz_High_16QAM_3@3	21.91	19.57	0.091	7	Pass
1.4MHz_High_16QAM_6@0	20.63	18.29	0.067	7	Pass
3MHz_Low_QPSK_1@0	22.77	20.43	0.110	7	Pass
3MHz_Low_QPSK_1@14	22.69	20.35	0.108	7	Pass
3MHz_Low_QPSK_1@8	22.75	20.41	0.110	7	Pass
3MHz_Low_QPSK_15@0	21.66	19.32	0.086	7	Pass
3MHz_Low_QPSK_8@0	21.58	19.24	0.084	7	Pass
3MHz_Low_QPSK_8@4	21.69	19.35	0.086	7	Pass
3MHz_Low_QPSK_8@7	21.61	19.27	0.085	7	Pass
3MHz_Low_16QAM_1@0	21.78	19.44	0.088	7	Pass
3MHz_Low_16QAM_1@14	21.80	19.46	0.088	7	Pass
3MHz_Low_16QAM_1@8	21.86	19.52	0.090	7	Pass
3MHz_Low_16QAM_15@0	20.75	18.41	0.069	7	Pass
3MHz_Low_16QAM_8@0	20.79	18.45	0.070	7	Pass
3MHz_Low_16QAM_8@4	20.76	18.42	0.070	7	Pass
3MHz_Low_16QAM_8@7	20.67	18.33	0.068	7	Pass
3MHz_Middle_QPSK_1@0	22.80	20.46	0.111	7	Pass
3MHz_Middle_QPSK_1@14	22.86	20.52	0.113	7	Pass
3MHz_Middle_QPSK_1@8	22.77	20.43	0.110	7	Pass
3MHz_Middle_QPSK_15@0	21.75	19.41	0.087	7	Pass
3MHz_Middle_QPSK_8@0	21.68	19.34	0.086	7	Pass
3MHz_Middle_QPSK_8@4	21.72	19.38	0.087	7	Pass
3MHz_Middle_QPSK_8@7	21.67	19.33	0.086	7	Pass
3MHz_Middle_16QAM_1@0	22.04	19.70	0.093	7	Pass
3MHz_Middle_16QAM_1@14	22.03	19.69	0.093	7	Pass
3MHz_Middle_16QAM_1@8	22.08	19.74	0.094	7	Pass

Mode	Average Conducted Power(dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
3MHz_Middle_16QAM_15@0	20.74	18.40	0.069	7	Pass
3MHz_Middle_16QAM_8@0	20.63	18.29	0.067	7	Pass
3MHz_Middle_16QAM_8@4	20.83	18.49	0.071	7	Pass
3MHz_Middle_16QAM_8@7	20.76	18.42	0.070	7	Pass
3MHz_High_QPSK_1@0	22.73	20.39	0.109	7	Pass
3MHz_High_QPSK_1@14	22.72	20.38	0.109	7	Pass
3MHz_High_QPSK_1@8	22.64	20.30	0.107	7	Pass
3MHz_High_QPSK_15@0	21.67	19.33	0.086	7	Pass
3MHz_High_QPSK_8@0	21.76	19.42	0.087	7	Pass
3MHz_High_QPSK_8@4	21.71	19.37	0.086	7	Pass
3MHz_High_QPSK_8@7	21.61	19.27	0.085	7	Pass
3MHz_High_16QAM_1@0	22.39	20.05	0.101	7	Pass
3MHz_High_16QAM_1@14	22.16	19.82	0.096	7	Pass
3MHz_High_16QAM_1@8	22.35	20.01	0.100	7	Pass
3MHz_High_16QAM_15@0	21.01	18.67	0.074	7	Pass
3MHz_High_16QAM_8@0	20.77	18.43	0.070	7	Pass
3MHz_High_16QAM_8@4	20.72	18.38	0.069	7	Pass
3MHz_High_16QAM_8@7	20.78	18.44	0.070	7	Pass
5MHz_Low_QPSK_1@0	22.71	20.37	0.109	7	Pass
5MHz_Low_QPSK_1@12	22.58	20.24	0.106	7	Pass
5MHz_Low_QPSK_1@24	22.63	20.29	0.107	7	Pass
5MHz_Low_QPSK_12@0	21.65	19.31	0.085	7	Pass
5MHz_Low_QPSK_12@13	21.56	19.22	0.084	7	Pass
5MHz_Low_QPSK_12@7	21.56	19.22	0.084	7	Pass
5MHz_Low_QPSK_25@0	21.45	19.11	0.081	7	Pass
5MHz_Low_16QAM_1@0	21.85	19.51	0.089	7	Pass
5MHz_Low_16QAM_1@12	21.88	19.54	0.090	7	Pass
5MHz_Low_16QAM_1@24	21.97	19.63	0.092	7	Pass
5MHz_Low_16QAM_12@0	20.68	18.34	0.068	7	Pass
5MHz_Low_16QAM_12@13	20.64	18.30	0.068	7	Pass
5MHz_Low_16QAM_12@7	20.59	18.25	0.067	7	Pass
5MHz_Low_16QAM_25@0	20.74	18.40	0.069	7	Pass
5MHz_Middle_QPSK_1@0	22.53	20.19	0.104	7	Pass
5MHz_Middle_QPSK_1@12	22.47	20.13	0.103	7	Pass
5MHz_Middle_QPSK_1@24	22.49	20.15	0.104	7	Pass

Mode	Average Conducted Power(dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
5MHz_Middle_QPSK_12@0	21.67	19.33	0.086	7	Pass
5MHz_Middle_QPSK_12@13	21.71	19.37	0.086	7	Pass
5MHz_Middle_QPSK_12@7	21.80	19.46	0.088	7	Pass
5MHz_Middle_QPSK_25@0	21.72	19.38	0.087	7	Pass
5MHz_Middle_16QAM_1@0	21.36	19.02	0.080	7	Pass
5MHz_Middle_16QAM_1@12	21.50	19.16	0.082	7	Pass
5MHz_Middle_16QAM_1@24	21.31	18.97	0.079	7	Pass
5MHz_Middle_16QAM_12@0	20.70	18.36	0.069	7	Pass
5MHz_Middle_16QAM_12@13	20.85	18.51	0.071	7	Pass
5MHz_Middle_16QAM_12@7	20.84	18.50	0.071	7	Pass
5MHz_Middle_16QAM_25@0	20.79	18.45	0.070	7	Pass
5MHz_High_QPSK_1@0	22.42	20.08	0.102	7	Pass
5MHz_High_QPSK_1@12	22.59	20.25	0.106	7	Pass
5MHz_High_QPSK_1@24	22.59	20.25	0.106	7	Pass
5MHz_High_QPSK_12@0	21.53	19.19	0.083	7	Pass
5MHz_High_QPSK_12@13	21.64	19.30	0.085	7	Pass
5MHz_High_QPSK_12@7	21.75	19.41	0.087	7	Pass
5MHz_High_QPSK_25@0	21.65	19.31	0.085	7	Pass
5MHz_High_16QAM_1@0	21.23	18.89	0.077	7	Pass
5MHz_High_16QAM_1@12	21.43	19.09	0.081	7	Pass
5MHz_High_16QAM_1@24	21.24	18.90	0.078	7	Pass
5MHz_High_16QAM_12@0	20.52	18.18	0.066	7	Pass
5MHz_High_16QAM_12@13	20.84	18.50	0.071	7	Pass
5MHz_High_16QAM_12@7	20.90	18.56	0.072	7	Pass
5MHz_High_16QAM_25@0	21.03	18.69	0.074	7	Pass
10MHz_Low_QPSK_1@0	22.75	20.41	0.110	7	Pass
10MHz_Low_QPSK_1@25	22.75	20.41	0.110	7	Pass
10MHz_Low_QPSK_1@49	22.77	20.43	0.110	7	Pass
10MHz_Low_QPSK_25@0	21.57	19.23	0.084	7	Pass
10MHz_Low_QPSK_25@12	21.78	19.44	0.088	7	Pass
10MHz_Low_QPSK_25@25	21.83	19.49	0.089	7	Pass
10MHz_Low_QPSK_50@0	21.76	19.42	0.087	7	Pass
10MHz_Low_16QAM_1@0	22.38	20.04	0.101	7	Pass
10MHz_Low_16QAM_1@25	22.57	20.23	0.105	7	Pass
10MHz_Low_16QAM_1@49	22.40	20.06	0.101	7	Pass

Mode	Average Conducted Power(dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
10MHz_Low_16QAM_25@0	20.66	18.32	0.068	7	Pass
10MHz_Low_16QAM_25@12	20.93	18.59	0.072	7	Pass
10MHz_Low_16QAM_25@25	20.96	18.62	0.073	7	Pass
10MHz_Low_16QAM_50@0	20.82	18.48	0.070	7	Pass
10MHz_Middle_QPSK_1@0	22.69	20.35	0.108	7	Pass
10MHz_Middle_QPSK_1@25	22.71	20.37	0.109	7	Pass
10MHz_Middle_QPSK_1@49	22.59	20.25	0.106	7	Pass
10MHz_Middle_QPSK_25@0	21.65	19.31	0.085	7	Pass
10MHz_Middle_QPSK_25@12	21.79	19.45	0.088	7	Pass
10MHz_Middle_QPSK_25@25	21.70	19.36	0.086	7	Pass
10MHz_Middle_QPSK_50@0	21.74	19.40	0.087	7	Pass
10MHz_Middle_16QAM_1@0	21.63	19.29	0.085	7	Pass
10MHz_Middle_16QAM_1@25	21.55	19.21	0.083	7	Pass
10MHz_Middle_16QAM_1@49	21.47	19.13	0.082	7	Pass
10MHz_Middle_16QAM_25@0	20.81	18.47	0.070	7	Pass
10MHz_Middle_16QAM_25@12	20.98	18.64	0.073	7	Pass
10MHz_Middle_16QAM_25@25	20.89	18.55	0.072	7	Pass
10MHz_Middle_16QAM_50@0	20.87	18.53	0.071	7	Pass
10MHz_High_QPSK_1@0	22.87	20.53	0.113	7	Pass
10MHz_High_QPSK_1@25	22.65	20.31	0.107	7	Pass
10MHz_High_QPSK_1@49	22.88	20.54	0.113	7	Pass
10MHz_High_QPSK_25@0	21.66	19.32	0.086	7	Pass
10MHz_High_QPSK_25@12	21.66	19.32	0.086	7	Pass
10MHz_High_QPSK_25@25	21.75	19.41	0.087	7	Pass
10MHz_High_QPSK_50@0	21.59	19.25	0.084	7	Pass
10MHz_High_16QAM_1@0	22.08	19.74	0.094	7	Pass
10MHz_High_16QAM_1@25	22.03	19.69	0.093	7	Pass
10MHz_High_16QAM_1@49	22.11	19.77	0.095	7	Pass
10MHz_High_16QAM_25@0	20.83	18.49	0.071	7	Pass
10MHz_High_16QAM_25@12	20.78	18.44	0.070	7	Pass
10MHz_High_16QAM_25@25	21.05	18.71	0.074	7	Pass
10MHz_High_16QAM_50@0	20.65	18.31	0.068	7	Pass

Note:

ERP = Average Conducted Power(dBm) - L_C(dB) + G_T(dBd)

G_T(dBd) = G_T(dBi) - 2.15

1.Ant Gain = -0.09dBi;

2.C_L = signal attenuation in the connecting cable between the transmitter and antenna in 0.1dB

FCC Part 27

B41 , Normal

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_Low_QPSK_1@0	22.69	22.88	0.194	2	Pass
5MHz_Low_QPSK_1@12	22.72	22.91	0.195	2	Pass
5MHz_Low_QPSK_1@24	22.55	22.74	0.188	2	Pass
5MHz_Low_QPSK_12@0	21.52	21.71	0.148	2	Pass
5MHz_Low_QPSK_12@13	21.57	21.76	0.150	2	Pass
5MHz_Low_QPSK_12@7	21.53	21.72	0.149	2	Pass
5MHz_Low_QPSK_25@0	21.39	21.58	0.144	2	Pass
5MHz_Low_16QAM_1@0	22.07	22.26	0.168	2	Pass
5MHz_Low_16QAM_1@12	22	22.19	0.166	2	Pass
5MHz_Low_16QAM_1@24	21.98	22.17	0.165	2	Pass
5MHz_Low_16QAM_12@0	20.67	20.86	0.122	2	Pass
5MHz_Low_16QAM_12@13	20.57	20.76	0.119	2	Pass
5MHz_Low_16QAM_12@7	20.59	20.78	0.120	2	Pass
5MHz_Low_16QAM_25@0	20.80	20.99	0.126	2	Pass
5MHz_Middle_QPSK_1@0	22.36	22.55	0.180	2	Pass
5MHz_Middle_QPSK_1@12	22.44	22.63	0.183	2	Pass
5MHz_Middle_QPSK_1@24	22.53	22.72	0.187	2	Pass
5MHz_Middle_QPSK_12@0	21.12	21.31	0.135	2	Pass
5MHz_Middle_QPSK_12@13	21.16	21.35	0.136	2	Pass
5MHz_Middle_QPSK_12@7	21.28	21.47	0.140	2	Pass
5MHz_Middle_QPSK_25@0	21.16	21.35	0.136	2	Pass
5MHz_Middle_16QAM_1@0	20.40	20.59	0.115	2	Pass
5MHz_Middle_16QAM_1@12	20.42	20.61	0.115	2	Pass
5MHz_Middle_16QAM_1@24	20.46	20.65	0.116	2	Pass
5MHz_Middle_16QAM_12@0	20.18	20.37	0.109	2	Pass
5MHz_Middle_16QAM_12@13	20.23	20.42	0.110	2	Pass
5MHz_Middle_16QAM_12@7	20.23	20.42	0.110	2	Pass
5MHz_Middle_16QAM_25@0	20.57	20.76	0.119	2	Pass
5MHz_High_QPSK_1@0	21.27	21.46	0.140	2	Pass
5MHz_High_QPSK_1@12	21.53	21.72	0.149	2	Pass
5MHz_High_QPSK_1@24	20.96	21.15	0.130	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_High_QPSK_12@0	20.89	21.08	0.128	2	Pass
5MHz_High_QPSK_12@13	20.75	20.94	0.124	2	Pass
5MHz_High_QPSK_12@7	20.94	21.13	0.130	2	Pass
5MHz_High_QPSK_25@0	20.81	21.00	0.126	2	Pass
5MHz_High_16QAM_1@0	20.72	20.91	0.123	2	Pass
5MHz_High_16QAM_1@12	20.62	20.81	0.121	2	Pass
5MHz_High_16QAM_1@24	20.60	20.79	0.120	2	Pass
5MHz_High_16QAM_12@0	19.91	20.10	0.102	2	Pass
5MHz_High_16QAM_12@13	19.78	19.97	0.099	2	Pass
5MHz_High_16QAM_12@7	19.80	19.99	0.100	2	Pass
5MHz_High_16QAM_25@0	20.10	20.29	0.107	2	Pass
10MHz_Low_QPSK_1@0	22.62	22.81	0.191	2	Pass
10MHz_Low_QPSK_1@25	22.71	22.90	0.195	2	Pass
10MHz_Low_QPSK_1@49	22.68	22.87	0.194	2	Pass
10MHz_Low_QPSK_25@0	21.41	21.60	0.145	2	Pass
10MHz_Low_QPSK_25@12	21.52	21.71	0.148	2	Pass
10MHz_Low_QPSK_25@25	21.47	21.66	0.147	2	Pass
10MHz_Low_QPSK_50@0	21.41	21.60	0.145	2	Pass
10MHz_Low_16QAM_1@0	21.59	21.78	0.151	2	Pass
10MHz_Low_16QAM_1@25	21.56	21.75	0.150	2	Pass
10MHz_Low_16QAM_1@49	21.46	21.65	0.146	2	Pass
10MHz_Low_16QAM_25@0	20.63	20.82	0.121	2	Pass
10MHz_Low_16QAM_25@12	20.63	20.82	0.121	2	Pass
10MHz_Low_16QAM_25@25	20.69	20.88	0.122	2	Pass
10MHz_Low_16QAM_50@0	20.71	20.90	0.123	2	Pass
10MHz_Middle_QPSK_1@0	21.98	22.17	0.165	2	Pass
10MHz_Middle_QPSK_1@25	22.22	22.41	0.174	2	Pass
10MHz_Middle_QPSK_1@49	22.08	22.27	0.169	2	Pass
10MHz_Middle_QPSK_25@0	21	21.19	0.132	2	Pass
10MHz_Middle_QPSK_25@12	21.08	21.27	0.134	2	Pass
10MHz_Middle_QPSK_25@25	21.18	21.37	0.137	2	Pass
10MHz_Middle_QPSK_50@0	21.15	21.34	0.136	2	Pass
10MHz_Middle_16QAM_1@0	21.66	21.85	0.153	2	Pass
10MHz_Middle_16QAM_1@25	21.85	22.04	0.160	2	Pass
10MHz_Middle_16QAM_1@49	21.98	22.17	0.165	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
10MHz_Middle_16QAM_25@0	20.26	20.45	0.111	2	Pass
10MHz_Middle_16QAM_25@12	20.35	20.54	0.113	2	Pass
10MHz_Middle_16QAM_25@25	20.31	20.50	0.112	2	Pass
10MHz_Middle_16QAM_50@0	20.44	20.63	0.116	2	Pass
10MHz_High_QPSK_1@0	21.26	21.45	0.140	2	Pass
10MHz_High_QPSK_1@25	21.46	21.65	0.146	2	Pass
10MHz_High_QPSK_1@49	21.43	21.62	0.145	2	Pass
10MHz_High_QPSK_25@0	20.54	20.73	0.118	2	Pass
10MHz_High_QPSK_25@12	20.71	20.90	0.123	2	Pass
10MHz_High_QPSK_25@25	20.73	20.92	0.124	2	Pass
10MHz_High_QPSK_50@0	20.73	20.92	0.124	2	Pass
10MHz_High_16QAM_1@0	20.90	21.09	0.129	2	Pass
10MHz_High_16QAM_1@25	21.46	21.65	0.146	2	Pass
10MHz_High_16QAM_1@49	21.34	21.53	0.142	2	Pass
10MHz_High_16QAM_25@0	19.73	19.92	0.098	2	Pass
10MHz_High_16QAM_25@12	19.88	20.07	0.102	2	Pass
10MHz_High_16QAM_25@25	19.93	20.12	0.103	2	Pass
10MHz_High_16QAM_50@0	19.76	19.95	0.099	2	Pass
15MHz_Low_QPSK_1@0	22.76	22.95	0.197	2	Pass
15MHz_Low_QPSK_1@37	22.70	22.89	0.195	2	Pass
15MHz_Low_QPSK_1@74	22.40	22.59	0.182	2	Pass
15MHz_Low_QPSK_36@0	21.48	21.67	0.147	2	Pass
15MHz_Low_QPSK_36@20	21.47	21.66	0.147	2	Pass
15MHz_Low_QPSK_36@39	21.28	21.47	0.140	2	Pass
15MHz_Low_QPSK_75@0	21.47	21.66	0.147	2	Pass
15MHz_Low_16QAM_1@0	21.56	21.75	0.150	2	Pass
15MHz_Low_16QAM_1@37	21.56	21.75	0.150	2	Pass
15MHz_Low_16QAM_1@74	21.34	21.53	0.142	2	Pass
15MHz_Low_16QAM_36@0	20.47	20.66	0.116	2	Pass
15MHz_Low_16QAM_36@20	20.48	20.67	0.117	2	Pass
15MHz_Low_16QAM_36@39	20.24	20.43	0.110	2	Pass
15MHz_Low_16QAM_75@0	20.70	20.89	0.123	2	Pass
15MHz_Middle_QPSK_1@0	22.01	22.20	0.166	2	Pass
15MHz_Middle_QPSK_1@37	22.18	22.37	0.173	2	Pass
15MHz_Middle_QPSK_1@74	21.93	22.12	0.163	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
15MHz_Middle_QPSK_36@0	21.05	21.24	0.133	2	Pass
15MHz_Middle_QPSK_36@20	21.16	21.35	0.136	2	Pass
15MHz_Middle_QPSK_36@39	21.07	21.26	0.134	2	Pass
15MHz_Middle_QPSK_75@0	21.06	21.25	0.133	2	Pass
15MHz_Middle_16QAM_1@0	21.30	21.49	0.141	2	Pass
15MHz_Middle_16QAM_1@37	21.53	21.72	0.149	2	Pass
15MHz_Middle_16QAM_1@74	21.33	21.52	0.142	2	Pass
15MHz_Middle_16QAM_36@0	20.14	20.33	0.108	2	Pass
15MHz_Middle_16QAM_36@20	20.29	20.48	0.112	2	Pass
15MHz_Middle_16QAM_36@39	20.20	20.39	0.109	2	Pass
15MHz_Middle_16QAM_75@0	20.39	20.58	0.114	2	Pass
15MHz_High_QPSK_1@0	21.36	21.55	0.143	2	Pass
15MHz_High_QPSK_1@37	21.56	21.75	0.150	2	Pass
15MHz_High_QPSK_1@74	21.19	21.38	0.137	2	Pass
15MHz_High_QPSK_36@0	20.30	20.49	0.112	2	Pass
15MHz_High_QPSK_36@20	20.49	20.68	0.117	2	Pass
15MHz_High_QPSK_36@39	20.66	20.85	0.122	2	Pass
15MHz_High_QPSK_75@0	20.56	20.75	0.119	2	Pass
15MHz_High_16QAM_1@0	21.07	21.26	0.134	2	Pass
15MHz_High_16QAM_1@37	21.17	21.36	0.137	2	Pass
15MHz_High_16QAM_1@74	21.34	21.53	0.142	2	Pass
15MHz_High_16QAM_36@0	19.35	19.54	0.090	2	Pass
15MHz_High_16QAM_36@20	19.59	19.78	0.095	2	Pass
15MHz_High_16QAM_36@39	19.91	20.10	0.102	2	Pass
15MHz_High_16QAM_75@0	19.79	19.98	0.100	2	Pass
20MHz_Low_QPSK_1@0	22.64	22.83	0.192	2	Pass
20MHz_Low_QPSK_1@49	22.64	22.83	0.192	2	Pass
20MHz_Low_QPSK_1@99	22.50	22.69	0.186	2	Pass
20MHz_Low_QPSK_100@0	21.36	21.55	0.143	2	Pass
20MHz_Low_QPSK_50@0	21.56	21.75	0.150	2	Pass
20MHz_Low_QPSK_50@24	21.47	21.66	0.147	2	Pass
20MHz_Low_QPSK_50@50	21.29	21.48	0.141	2	Pass
20MHz_Low_16QAM_1@0	21.16	21.35	0.136	2	Pass
20MHz_Low_16QAM_1@49	21.15	21.34	0.136	2	Pass
20MHz_Low_16QAM_1@99	21.03	21.22	0.132	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
20MHz_Low_16QAM_100@0	20.58	20.77	0.119	2	Pass
20MHz_Low_16QAM_50@0	20.55	20.74	0.119	2	Pass
20MHz_Low_16QAM_50@24	20.51	20.70	0.117	2	Pass
20MHz_Low_16QAM_50@50	20.30	20.49	0.112	2	Pass
20MHz_Middle_QPSK_1@0	22.12	22.31	0.170	2	Pass
20MHz_Middle_QPSK_1@49	22.26	22.45	0.176	2	Pass
20MHz_Middle_QPSK_1@99	22.05	22.24	0.167	2	Pass
20MHz_Middle_QPSK_100@0	21.12	21.31	0.135	2	Pass
20MHz_Middle_QPSK_50@0	20.97	21.16	0.131	2	Pass
20MHz_Middle_QPSK_50@24	21.20	21.39	0.138	2	Pass
20MHz_Middle_QPSK_50@50	21.20	21.39	0.138	2	Pass
20MHz_Middle_16QAM_1@0	20.73	20.92	0.124	2	Pass
20MHz_Middle_16QAM_1@49	20.47	20.66	0.116	2	Pass
20MHz_Middle_16QAM_1@99	20.75	20.94	0.124	2	Pass
20MHz_Middle_16QAM_100@0	20.34	20.53	0.113	2	Pass
20MHz_Middle_16QAM_50@0	20.17	20.36	0.109	2	Pass
20MHz_Middle_16QAM_50@24	20.38	20.57	0.114	2	Pass
20MHz_Middle_16QAM_50@50	20.35	20.54	0.113	2	Pass
20MHz_High_QPSK_1@0	21.67	21.86	0.153	2	Pass
20MHz_High_QPSK_1@49	21.44	21.63	0.146	2	Pass
20MHz_High_QPSK_1@99	22.03	22.22	0.167	2	Pass
20MHz_High_QPSK_100@0	20.46	20.65	0.116	2	Pass
20MHz_High_QPSK_50@0	20.54	20.73	0.118	2	Pass
20MHz_High_QPSK_50@24	20.25	20.44	0.111	2	Pass
20MHz_High_QPSK_50@50	20.89	21.08	0.128	2	Pass
20MHz_High_16QAM_1@0	20.36	20.55	0.114	2	Pass
20MHz_High_16QAM_1@49	20.09	20.28	0.107	2	Pass
20MHz_High_16QAM_1@99	20.59	20.78	0.120	2	Pass
20MHz_High_16QAM_100@0	19.51	19.70	0.093	2	Pass
20MHz_High_16QAM_50@0	19.69	19.88	0.097	2	Pass
20MHz_High_16QAM_50@24	19.43	19.62	0.092	2	Pass
20MHz_High_16QAM_50@50	20.05	20.24	0.106	2	Pass

Note:

EIRP = Average Conducted Power(dBm) - L_C(dB) + G_T(dBi)

1.Ant Gain = 0.49dBi;

2.C_L = signal attenuation in the connecting cable between the transmitter and antenna in 0.3dB

Peak-to-average Ratio(PAR)

FCC Part 22H

B5 , Normal
Worst case

Mode	Result (dB)	Limit (dB)
10MHz_Low_QPSK_1@0	4.93	13
10MHz_Low_QPSK_50@0	5.13	13
10MHz_Low_16QAM_1@0	5.54	13
10MHz_Low_16QAM_50@0	6.03	13
10MHz_Middle_QPSK_1@0	5.28	13
10MHz_Middle_QPSK_50@0	4.99	13
10MHz_Middle_16QAM_1@0	5.28	13
10MHz_Middle_16QAM_50@0	5.83	13
10MHz_High_QPSK_1@0	4.35	13
10MHz_High_QPSK_50@0	5.19	13
10MHz_High_16QAM_1@0	4.93	13
10MHz_High_16QAM_50@0	6.06	13

FCC Part 27

B41 , Normal
Worst case

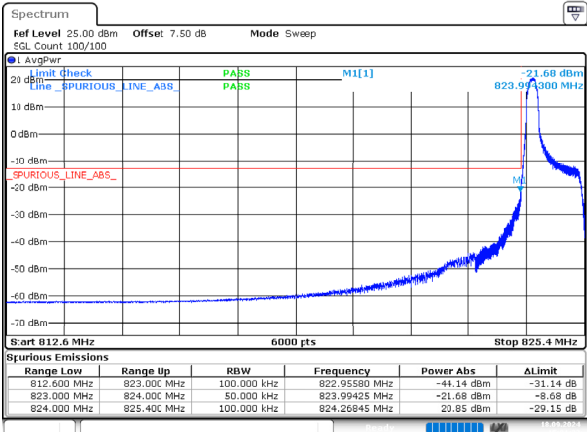
Mode	Result (dB)	Limit (dB)
10MHz_Low_QPSK_1@0	4.41	13
10MHz_Low_QPSK_50@0	5.22	13
10MHz_Low_16QAM_1@0	6	13
10MHz_Low_16QAM_50@0	6.03	13
10MHz_Middle_QPSK_1@0	4.67	13
10MHz_Middle_QPSK_50@0	4.87	13
10MHz_Middle_16QAM_1@0	7.71	13
10MHz_Middle_16QAM_50@0	5.83	13
10MHz_High_QPSK_1@0	4.64	13
10MHz_High_QPSK_50@0	6.75	13
10MHz_High_16QAM_1@0	5.54	13
10MHz_High_16QAM_50@0	5.80	13

Out of band emission,Band Edge

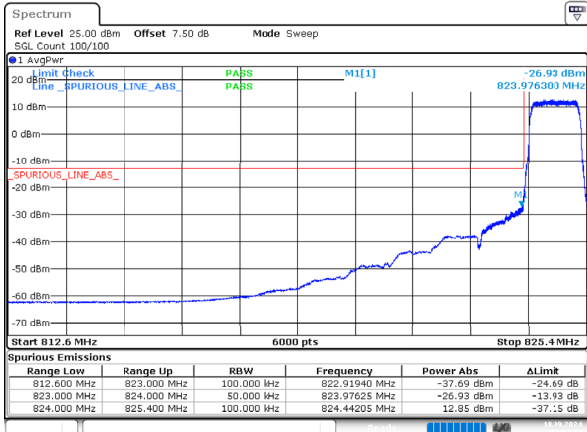
FCC Part 22H

B5 , Normal

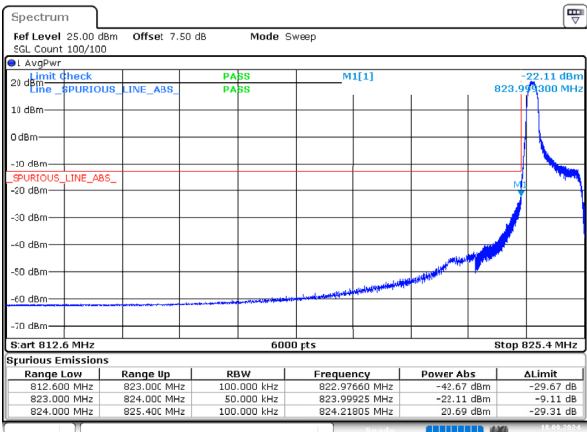
1.4MHz_Low_QPSK_1@0



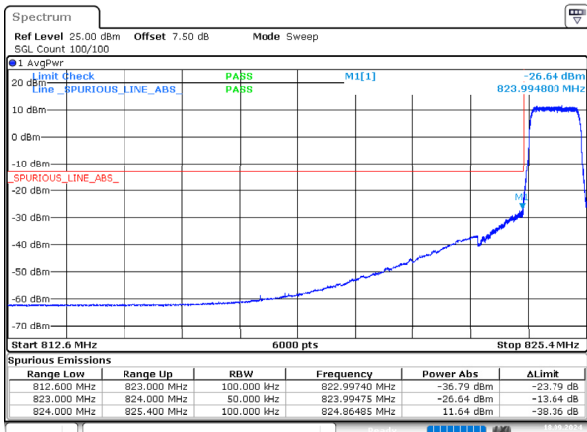
1.4MHz_Low_QPSK_6@0



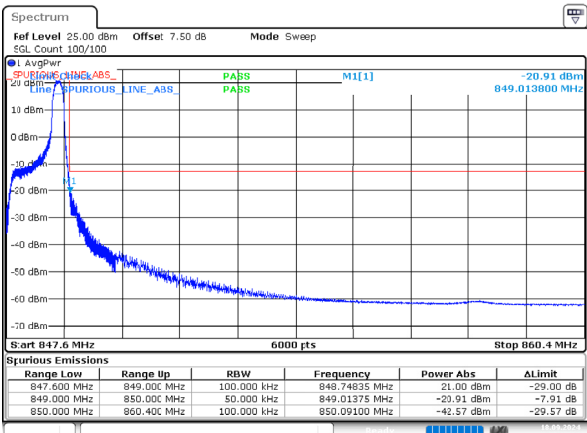
1.4MHz_Low_16QAM_1@0



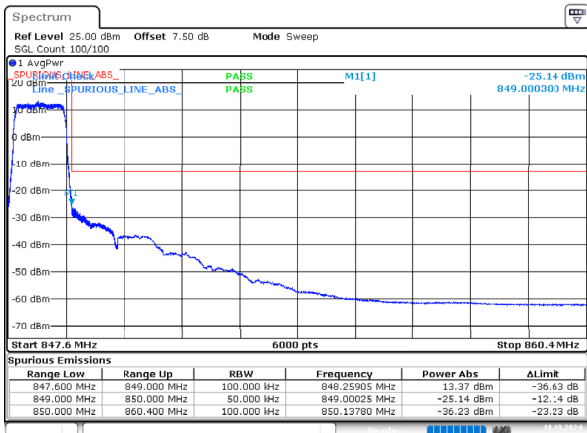
1.4MHz_Low_16QAM_6@0



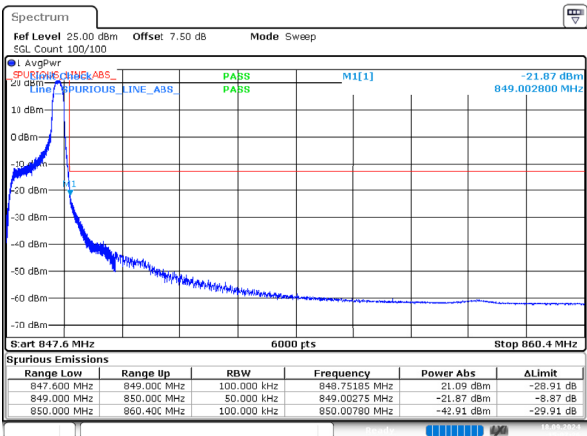
1.4MHz_High_QPSK_1@5



1.4MHz_High_QPSK_6@0

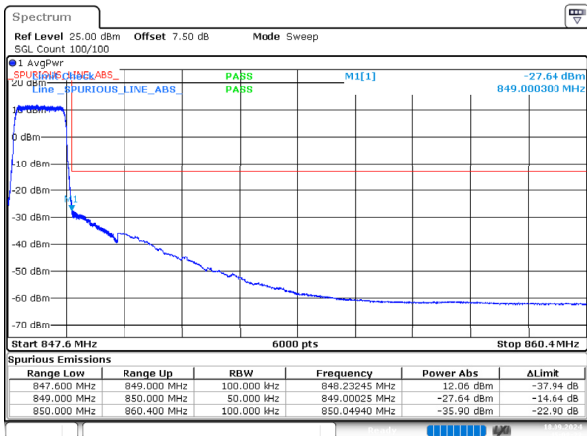


1.4MHz_High_16QAM_1@5



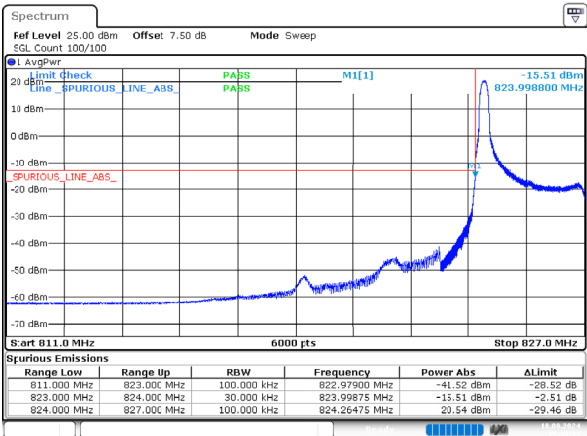
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1.4MHz_High_16QAM_6@0



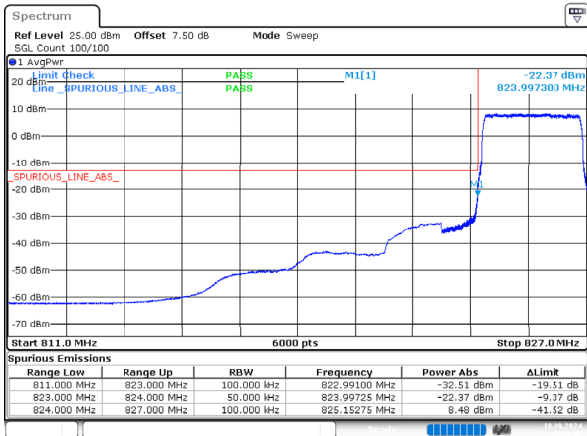
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3MHz_Low_QPSK_1@0



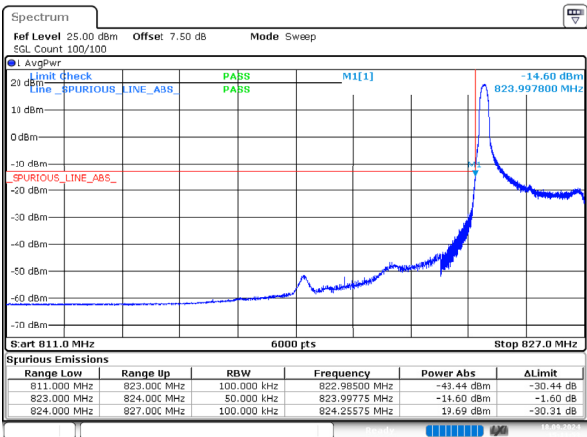
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3MHz_Low_QPSK_15@0



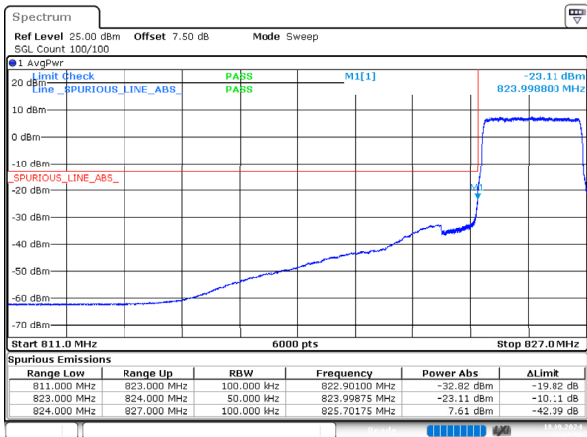
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3MHz_Low_16QAM_1@0



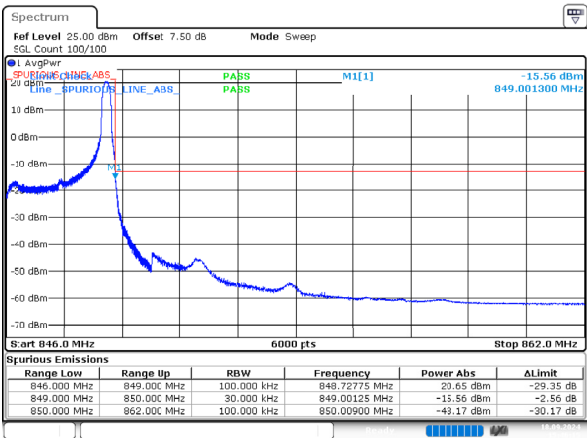
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3MHz_Low_16QAM_15@0



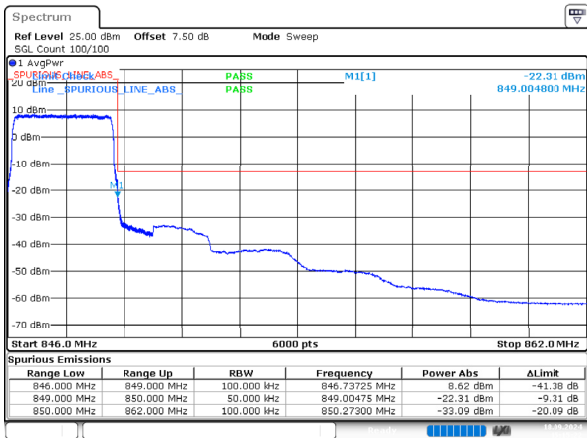
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3MHz_High_QPSK_1@14



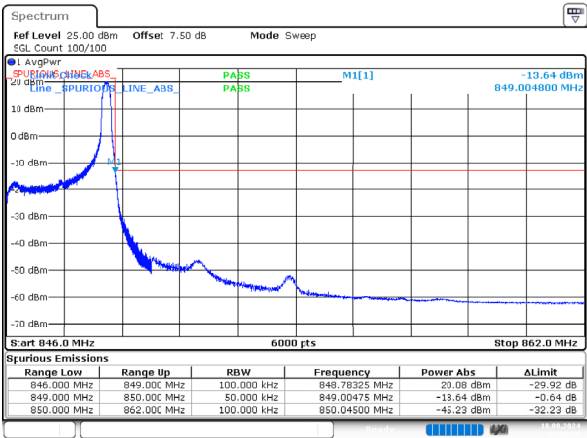
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3MHz_High_QPSK_15@0



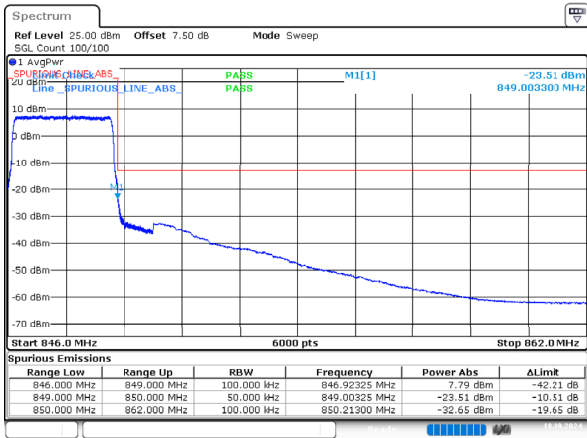
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3MHz_High_16QAM_1@14



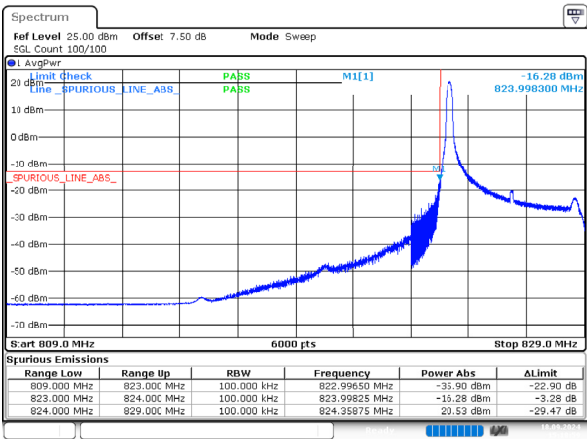
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3MHz_High_16QAM_15@0



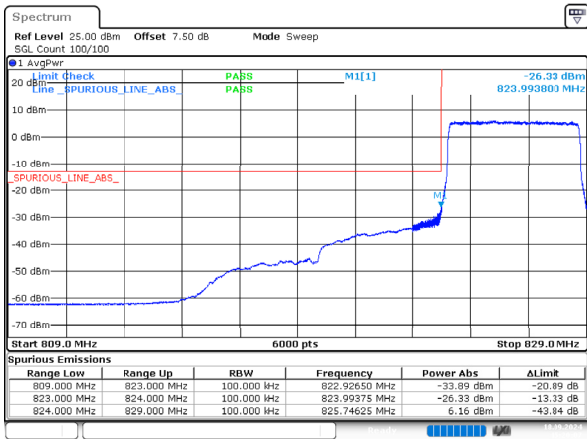
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5MHz_Low_QPSK_1@0



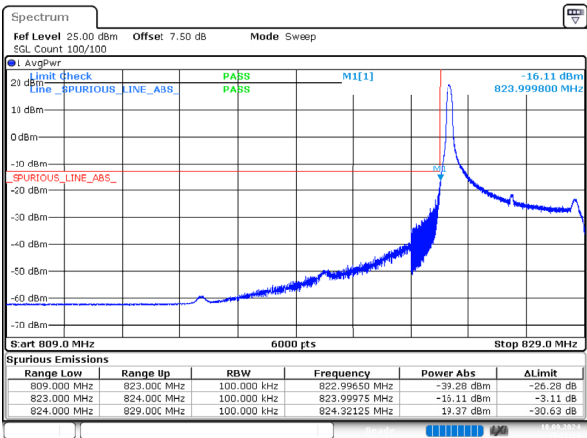
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5MHz_Low_QPSK_25@0



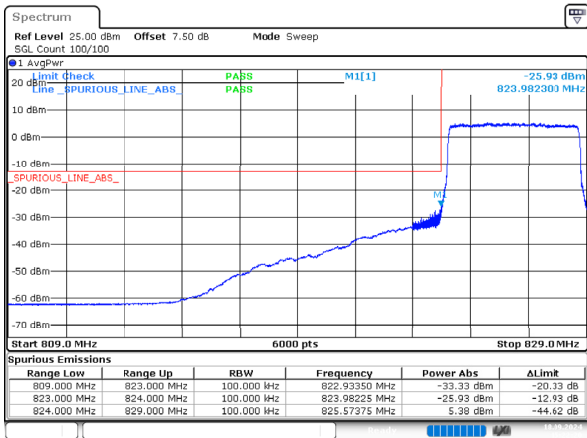
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5MHz_Low_16QAM_1@0



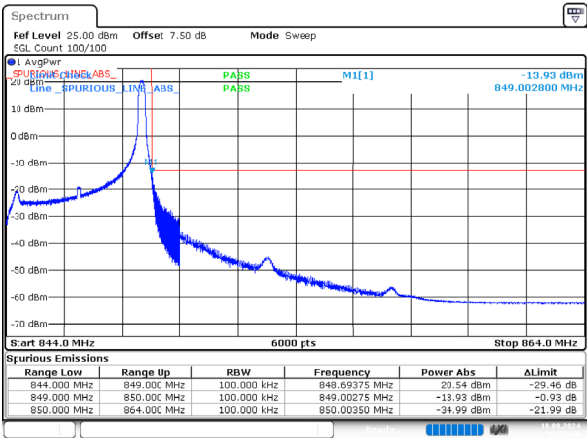
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5MHz_Low_16QAM_25@0



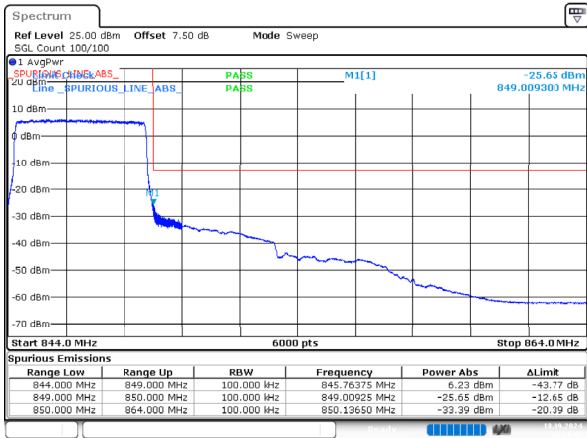
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5MHz_High_QPSK_1@24



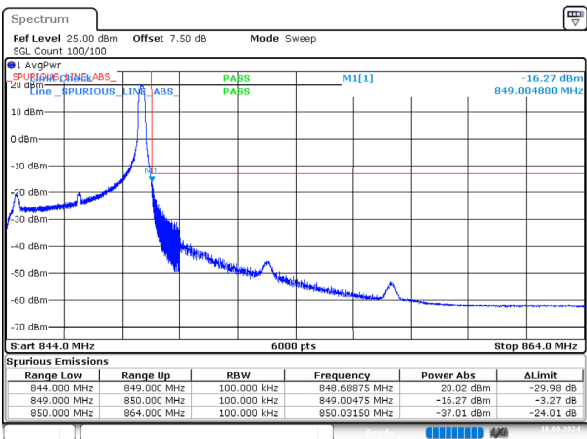
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 Date: 18.SEP.2024 15:23:40

5MHz_High_QPSK_25@0



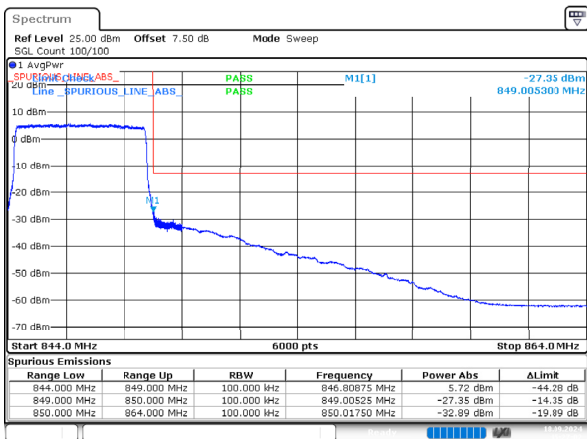
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5MHz_High_16QAM_1@24



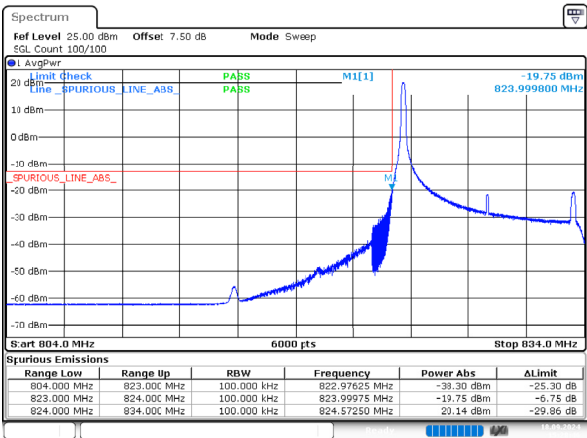
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5MHz_High_16QAM_25@0



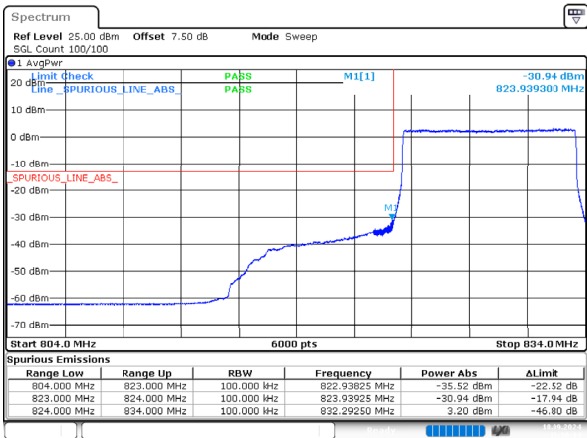
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10MHz_Low_QPSK_1@0



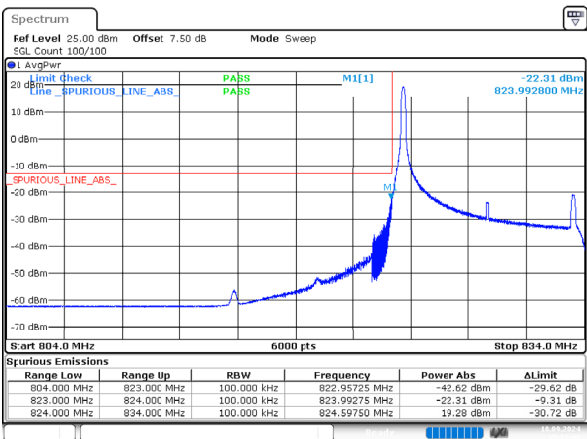
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10MHz_Low_QPSK_50@0



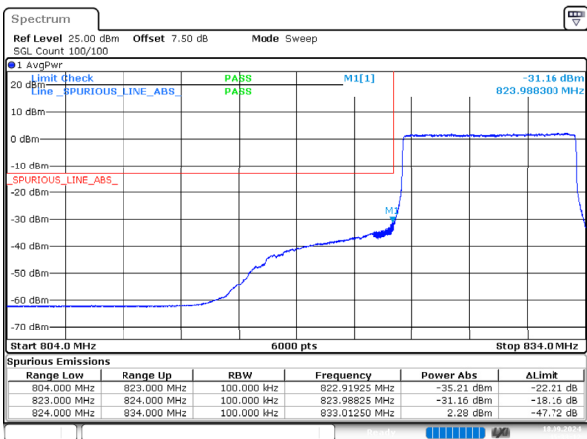
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10MHz_Low_16QAM_1@0



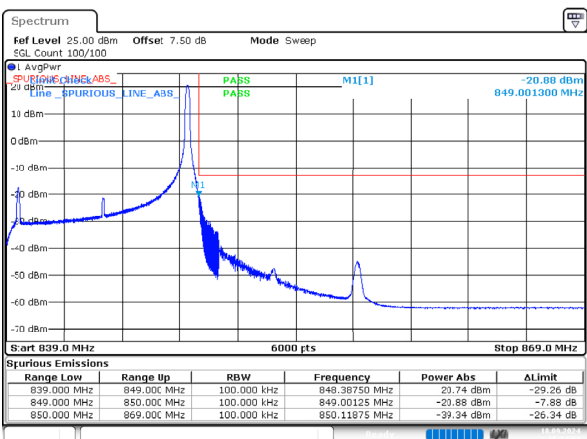
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10MHz_Low_16QAM_50@0



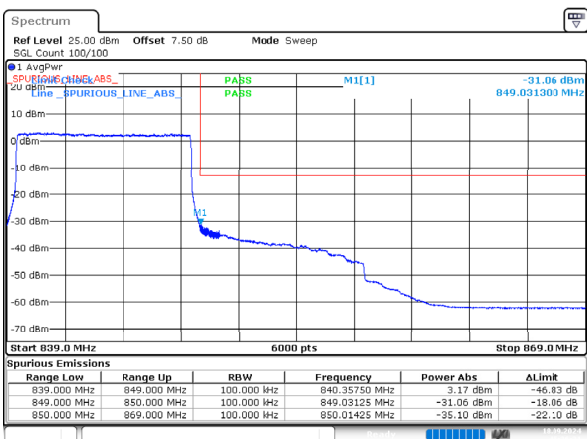
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10MHz_High_QPSK_1@49



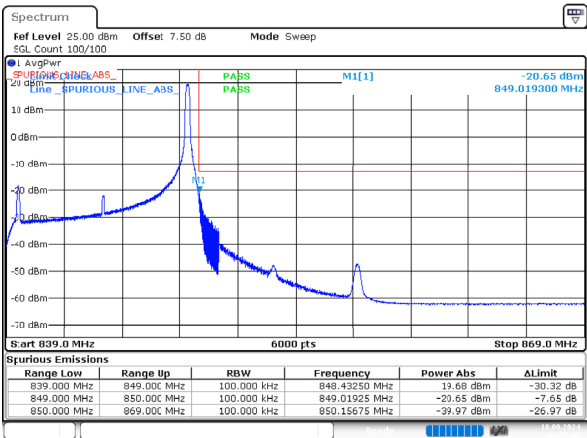
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10MHz_High_QPSK_50@0



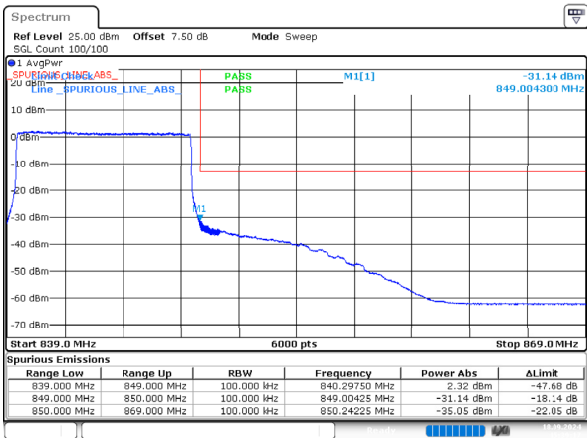
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10MHz_High_16QAM_1@49



ProjectNo.:2402X94972E-RF Tester:Loge Long
Date: 18.SEP.2024 15:37:49

10MHz_High_16QAM_50@0

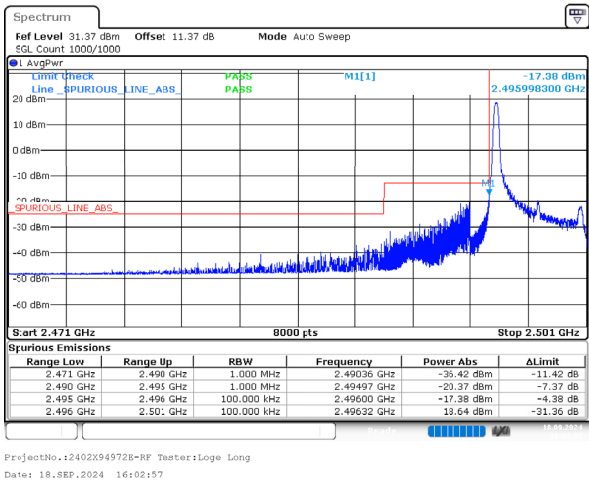


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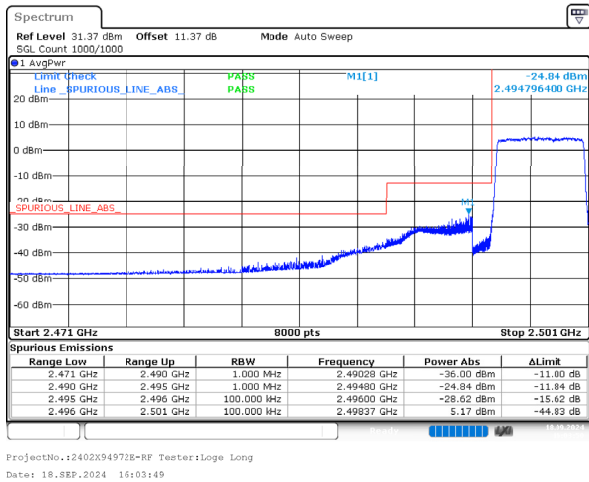
FCC Part 27

B41 , Normal

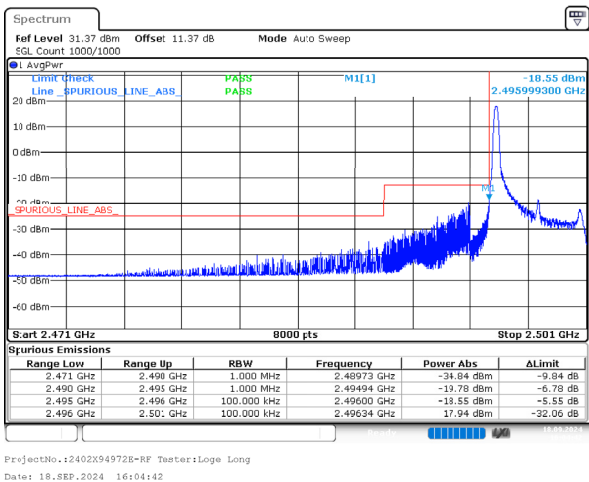
5MHz_Low_QPSK_1@0



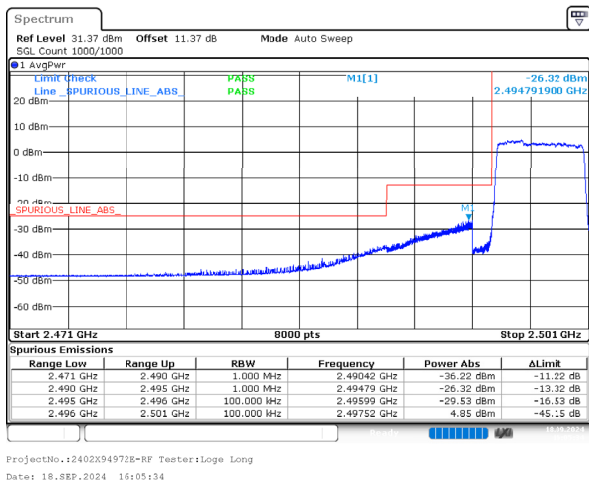
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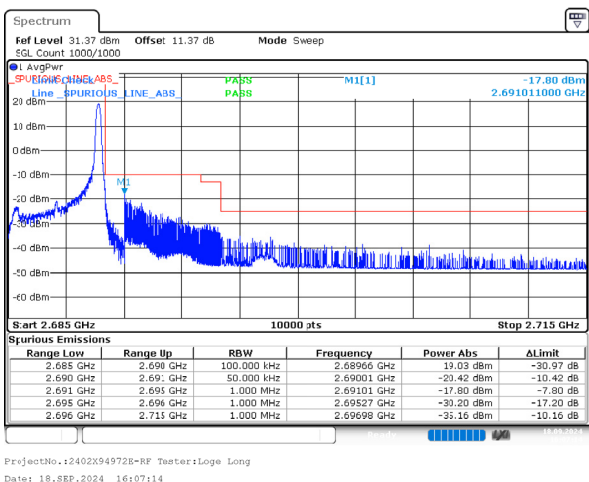
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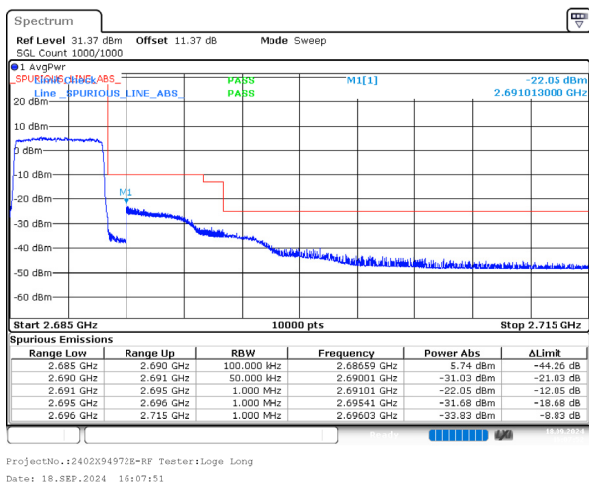
5MHz_Low_16QAM_25@0



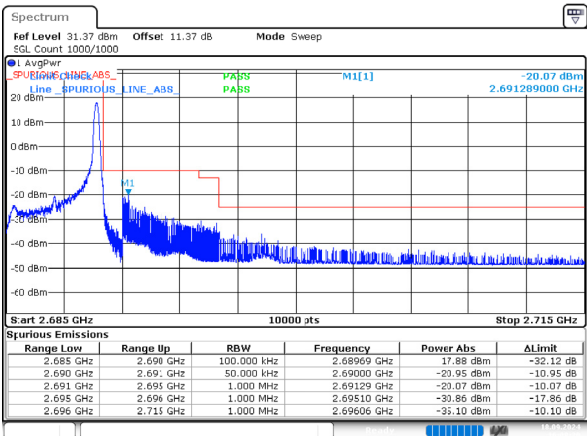
5MHz_High_QPSK_1@24



5MHz_High_QPSK_25@0

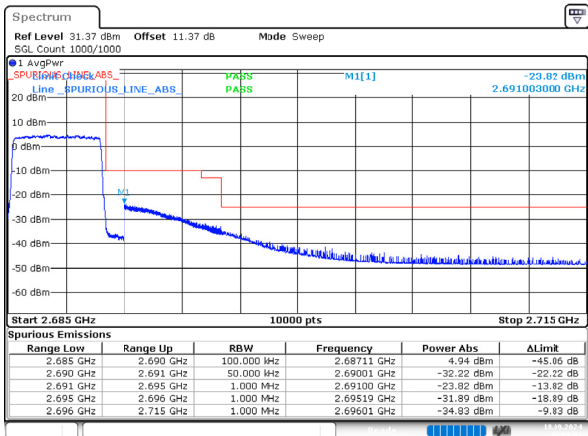


5MHz_High_16QAM_1@24



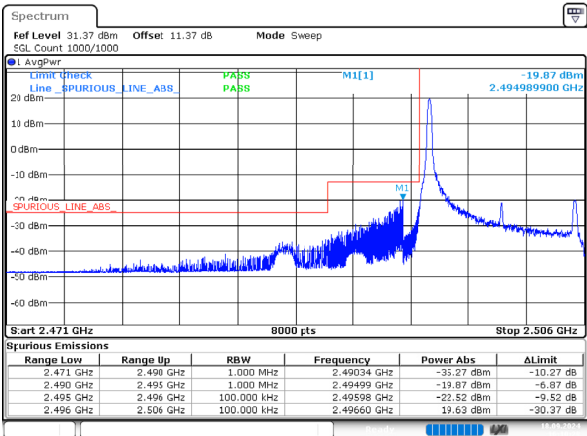
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5MHz_High_16QAM_25@0



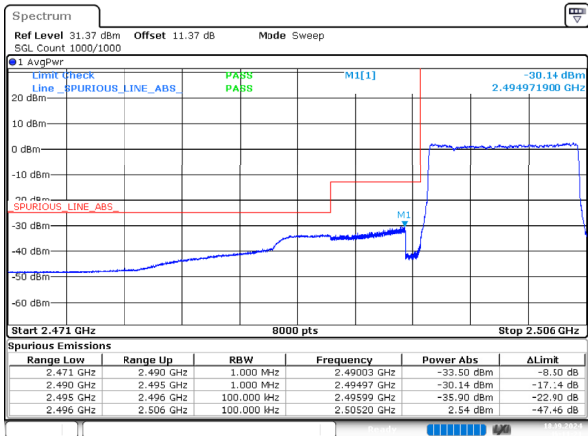
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10MHz_Low_QPSK_1@0



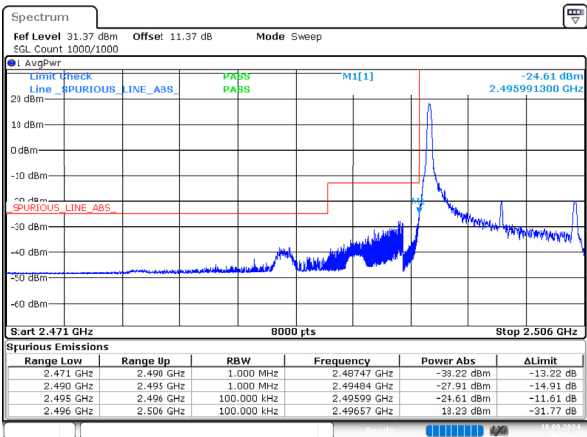
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10MHz_Low_QPSK_50@0



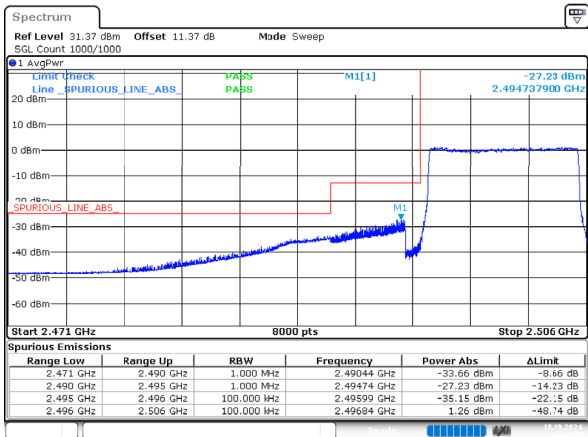
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10MHz_Low_16QAM_1@0



ProjectNo.:2402X94972E-RF Tester:Loge Long
 Date: 18.SEP.2024 16:12:13

10MHz_Low_16QAM_50@0



ProjectNo.:2402X94972E-RF Tester:Loge Long
 Date: 18.SEP.2024 16:13:05