

## Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	E(I)RP(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.94	23.06	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.78	21.90	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.92	23.04	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.81	21.93	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.93	23.05	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.06	21.18	PASS
Band5	1.4MHz	256QAM	20407	1RB#0	17.84	17.96	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.03	21.15	PASS
Band5	1.4MHz	256QAM	20407	1RB#2	17.86	17.98	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.77	21.89	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.08	21.20	PASS
Band5	1.4MHz	256QAM	20407	1RB#5	17.87	17.99	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.88	22.00	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.78	20.90	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	19.61	19.73	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.97	23.09	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.69	21.81	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23	23.12	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.73	21.85	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	17.82	17.94	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	20.86	20.98	PASS
Band5	1.4MHz	256QAM	20525	1RB#0	17.77	17.89	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	20.86	20.98	PASS
Band5	1.4MHz	256QAM	20525	1RB#2	17.79	17.91	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.01	23.13	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.72	21.84	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	20.84	20.96	PASS
Band5	1.4MHz	256QAM	20525	1RB#5	17.76	17.88	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.83	21.95	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.82	20.94	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23	23.12	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.72	21.84	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.99	23.11	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.75	21.87	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	19.73	19.85	PASS

Band5	1.4MHz	256QAM	20525	6RB#0	17.9	15.61	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.06	18.77	PASS
Band5	1.4MHz	256QAM	20643	1RB#0	17.84	15.55	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.09	18.8	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.96	20.67	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.79	19.5	PASS
Band5	1.4MHz	256QAM	20643	1RB#2	17.89	15.6	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.09	18.8	PASS
Band5	1.4MHz	256QAM	20643	1RB#5	17.83	15.54	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.86	19.57	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.63	18.34	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.76	20.47	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.76	19.47	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.81	20.52	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.78	19.49	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	19.62	17.33	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	17.85	15.56	PASS
Band5	3MHz	64QAM	20415	1RB#0	20.53	18.24	PASS
Band5	3MHz	256QAM	20415	1RB#0	17.98	15.69	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.84	20.55	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.85	19.56	PASS
Band5	3MHz	64QAM	20415	1RB#8	20.56	18.27	PASS
Band5	3MHz	256QAM	20415	1RB#8	18.03	15.74	PASS
Band5	3MHz	64QAM	20415	1RB#14	20.6	18.31	PASS
Band5	3MHz	256QAM	20415	1RB#14	18.06	15.77	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.95	20.66	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.83	19.54	PASS
Band5	3MHz	QPSK	20525	1RB#8	23	20.71	PASS
Band5	3MHz	64QAM	20525	1RB#0	20.51	18.22	PASS
Band5	3MHz	256QAM	20525	1RB#0	17.96	15.67	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.79	19.5	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.99	20.7	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.72	19.43	PASS
Band5	3MHz	64QAM	20525	1RB#8	20.57	18.28	PASS
Band5	3MHz	256QAM	20525	1RB#8	17.91	15.62	PASS
Band5	3MHz	64QAM	20525	1RB#14	20.55	18.26	PASS
Band5	3MHz	256QAM	20525	1RB#14	17.89	15.6	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.74	20.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.77	19.48	PASS
Band5	3MHz	64QAM	20635	1RB#0	20.45	18.16	PASS
Band5	3MHz	256QAM	20635	1RB#0	17.97	15.68	PASS

Band5	3MHz	QPSK	20635	1RB#8	22.77	20.48	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.78	19.49	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.79	20.5	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.76	19.47	PASS
Band5	3MHz	64QAM	20635	1RB#8	20.51	18.22	PASS
Band5	3MHz	256QAM	20635	1RB#8	18.02	15.73	PASS
Band5	3MHz	64QAM	20635	1RB#14	20.51	18.22	PASS
Band5	3MHz	256QAM	20635	1RB#14	18.02	15.73	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.04	20.75	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.81	19.52	PASS
Band5	5MHz	64QAM	20425	1RB#0	20.53	18.24	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.02	20.73	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.84	19.55	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.04	20.75	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.82	19.53	PASS
Band5	5MHz	256QAM	20425	1RB#0	18.17	15.88	PASS
Band5	5MHz	64QAM	20425	1RB#12	20.53	18.24	PASS
Band5	5MHz	256QAM	20425	1RB#12	18.18	15.89	PASS
Band5	5MHz	64QAM	20425	1RB#24	20.6	18.31	PASS
Band5	5MHz	256QAM	20425	1RB#24	18.21	15.92	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.85	19.56	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.83	18.54	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.93	20.64	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.97	19.68	PASS
Band5	5MHz	64QAM	20425	25RB#0	19.8	17.51	PASS
Band5	5MHz	256QAM	20425	25RB#0	17.93	15.64	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.9	20.61	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.96	19.67	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.85	20.56	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.98	19.69	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.28	18.99	PASS
Band5	5MHz	256QAM	20525	1RB#0	18.04	15.75	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.24	18.95	PASS
Band5	5MHz	256QAM	20525	1RB#12	17.98	15.69	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.29	19	PASS
Band5	5MHz	256QAM	20525	1RB#24	18	15.71	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.82	19.53	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.81	18.52	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.06	20.77	PASS
Band5	5MHz	64QAM	20525	25RB#0	19.74	17.45	PASS
Band5	5MHz	256QAM	20525	25RB#0	17.93	15.64	PASS

Band5	5MHz	16QAM	20625	1RB#0	21.87	19.58	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.05	20.76	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.81	19.52	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.06	20.77	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.8	19.51	PASS
Band5	5MHz	64QAM	20625	1RB#0	20.49	18.2	PASS
Band5	5MHz	256QAM	20625	1RB#0	18.17	15.88	PASS
Band5	5MHz	64QAM	20625	1RB#12	20.51	18.22	PASS
Band5	5MHz	256QAM	20625	1RB#12	18.13	15.84	PASS
Band5	5MHz	64QAM	20625	1RB#24	20.56	18.27	PASS
Band5	5MHz	256QAM	20625	1RB#24	18.18	15.89	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.83	19.54	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.79	18.5	PASS
Band5	5MHz	64QAM	20625	25RB#0	19.78	17.49	PASS
Band5	5MHz	256QAM	20625	25RB#0	17.9	15.61	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.78	20.49	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.8	19.51	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.89	20.6	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.87	19.58	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.85	20.56	PASS
Band5	10MHz	64QAM	20450	1RB#0	20.49	18.2	PASS
Band5	10MHz	256QAM	20450	1RB#0	17.98	15.69	PASS
Band5	10MHz	64QAM	20450	1RB#24	20.63	18.34	PASS
Band5	10MHz	256QAM	20450	1RB#24	18.08	15.79	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.84	19.55	PASS
Band5	10MHz	64QAM	20450	1RB#49	20.58	18.29	PASS
Band5	10MHz	256QAM	20450	1RB#49	18.01	15.72	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.84	19.55	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.77	18.48	PASS
Band5	10MHz	64QAM	20450	50RB#0	19.75	17.46	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.96	20.67	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.77	19.48	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.97	20.68	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.8	19.51	PASS
Band5	10MHz	256QAM	20450	50RB#0	17.91	15.62	PASS
Band5	10MHz	64QAM	20525	1RB#0	20.56	18.27	PASS
Band5	10MHz	256QAM	20525	1RB#0	17.92	15.63	PASS
Band5	10MHz	64QAM	20525	1RB#24	20.62	18.33	PASS
Band5	10MHz	256QAM	20525	1RB#24	17.94	15.65	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.92	20.63	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.72	19.43	PASS

Band5	10MHz	64QAM	20525	1RB#49	20.55	18.26	PASS
Band5	10MHz	256QAM	20525	1RB#49	17.9	15.61	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.92	19.63	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.89	18.6	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.98	20.69	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.66	19.37	PASS
Band5	10MHz	QPSK	20600	1RB#24	23	20.71	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.66	19.37	PASS
Band5	10MHz	64QAM	20525	50RB#0	19.81	17.52	PASS
Band5	10MHz	256QAM	20525	50RB#0	17.93	15.64	PASS
Band5	10MHz	64QAM	20600	1RB#0	20.74	18.45	PASS
Band5	10MHz	256QAM	20600	1RB#0	17.64	15.35	PASS
Band5	10MHz	64QAM	20600	1RB#24	20.74	18.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.97	20.68	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.65	19.36	PASS
Band5	10MHz	256QAM	20600	1RB#24	17.68	15.39	PASS
Band5	10MHz	64QAM	20600	1RB#49	20.73	18.44	PASS
Band5	10MHz	256QAM	20600	1RB#49	17.71	15.42	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.88	19.59	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.84	18.55	PASS
Band5	10MHz	64QAM	20600	50RB#0	19.74	17.45	PASS
Band5	10MHz	256QAM	20600	50RB#0	17.92	15.63	PASS

## Peak-to-Average Ratio(CCDF)

### Test Result

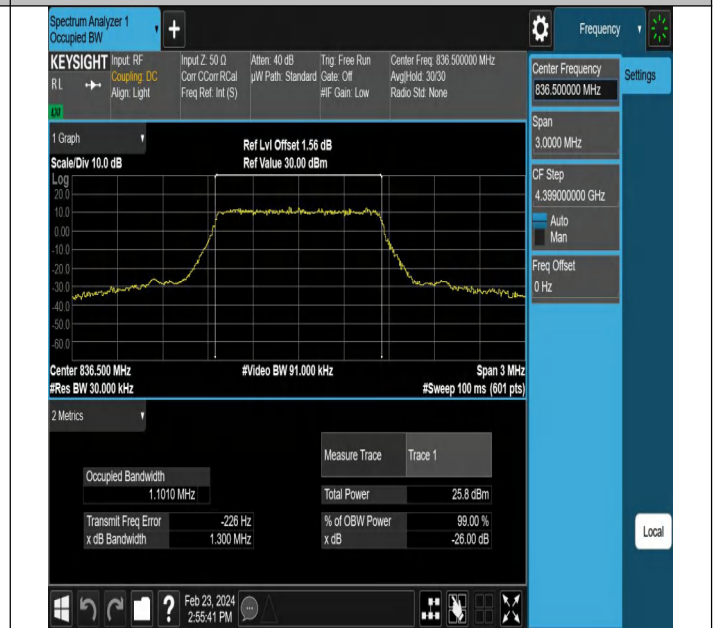
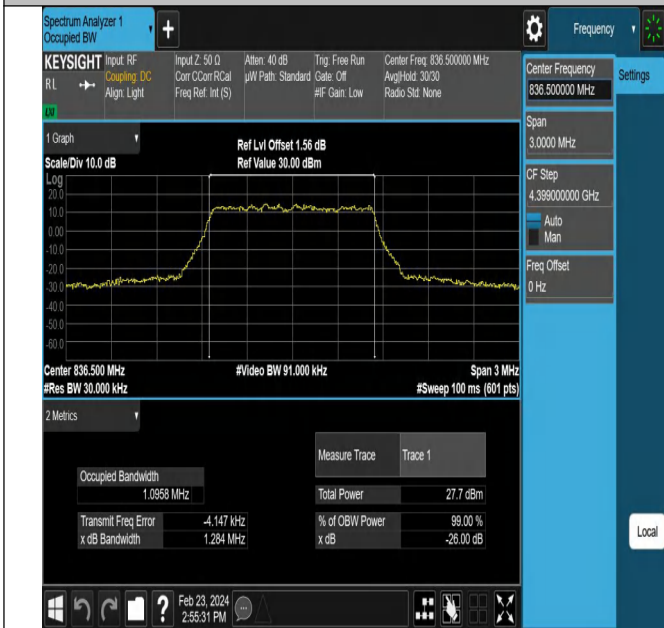
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	6.24	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.91	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.95	13	PASS
Band5	10MHz	256QAM	20525	50RB#0	6.49	13	PASS

## 26dB Bandwidth and Occupied Bandwidth

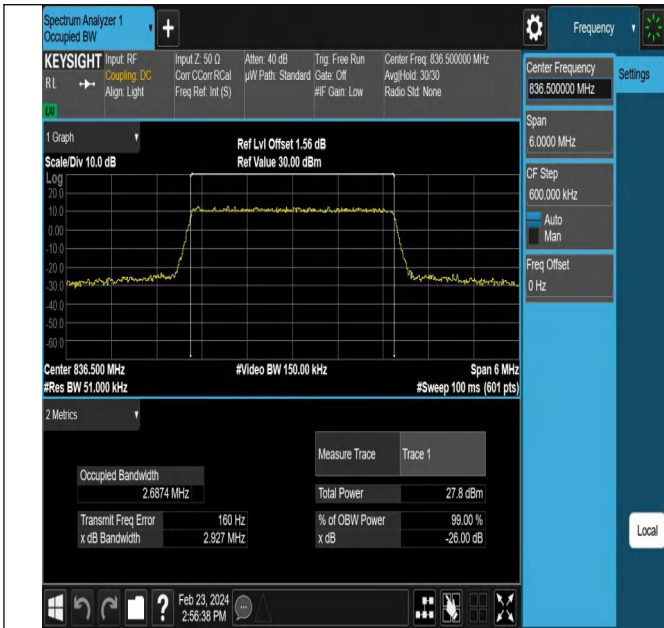
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20525	6RB#0	1.1018	1.303	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0874	1.278	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.0958	1.284	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	1.1010	1.300	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6941	2.912	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6926	2.935	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.6874	2.927	PASS
Band5	3MHz	256QAM	20525	15RB#0	2.6847	2.924	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9992	9.836	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9933	9.852	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.9907	9.783	PASS
Band5	10MHz	256QAM	20525	50RB#0	9.0213	9.907	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5075	4.979	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5164	4.997	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.4959	4.948	PASS
Band5	5MHz	256QAM	20525	25RB#0	4.5064	4.955	PASS

Test Graphs



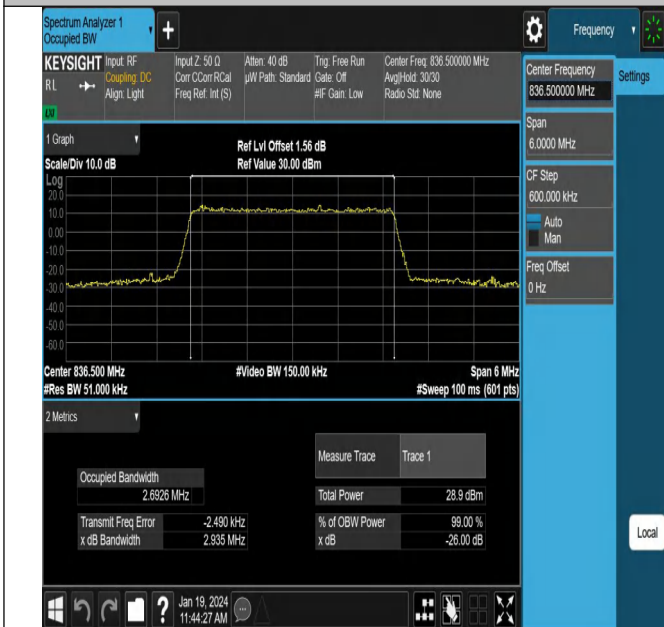




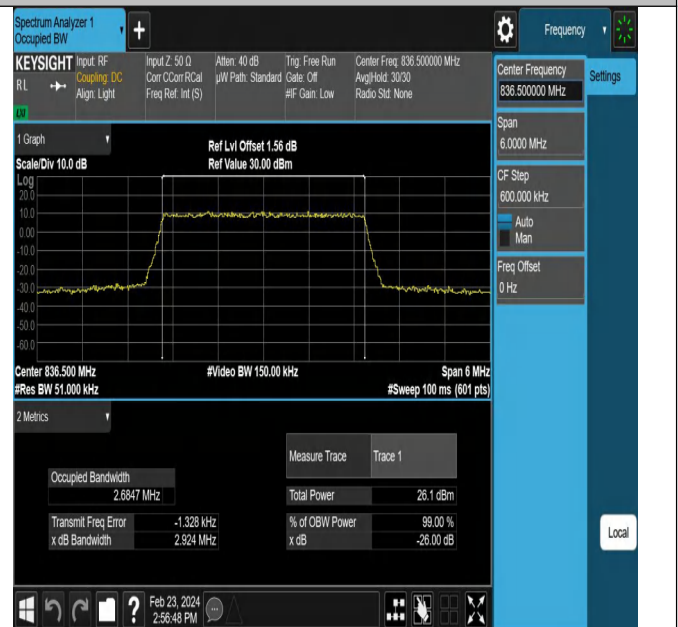
Band5-3MHz-64QAM-20525-15RB#0-PASS



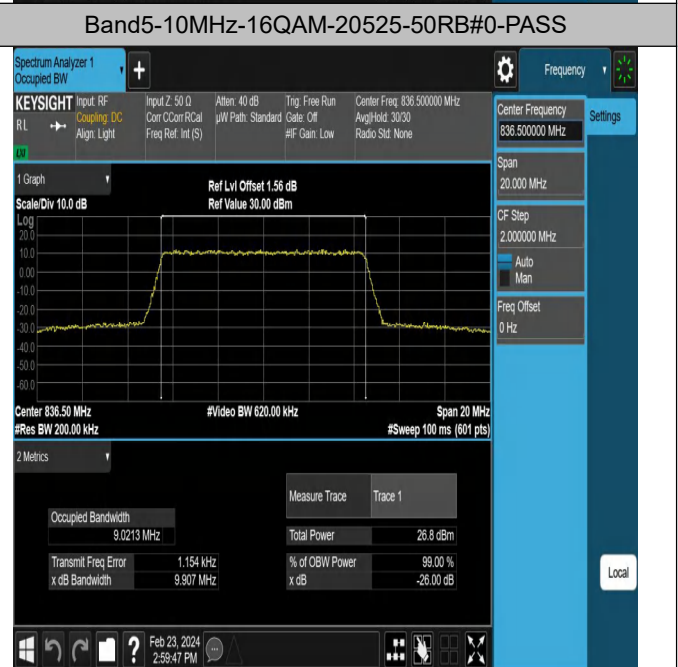
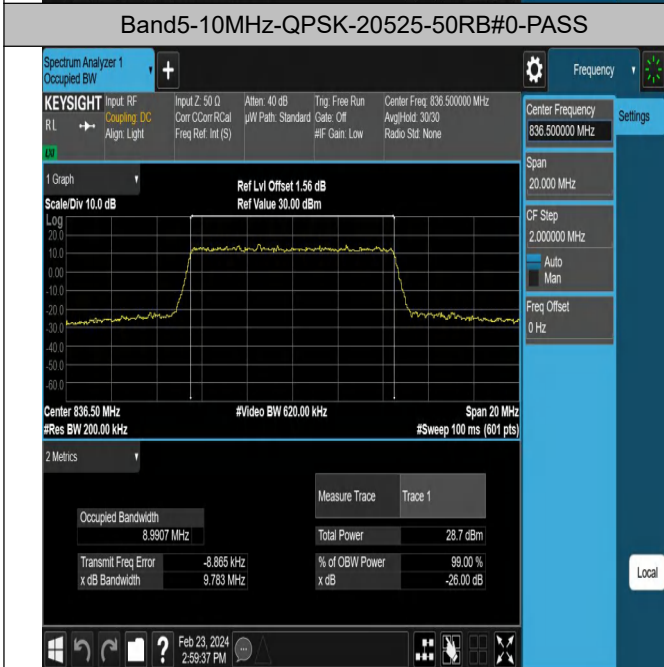
Band5-3MHz-QPSK-20525-15RB#0-PASS



Band5-3MHz-16QAM-20525-15RB#0-PASS



Band5-3MHz-256QAM-20525-15RB#0-PASS

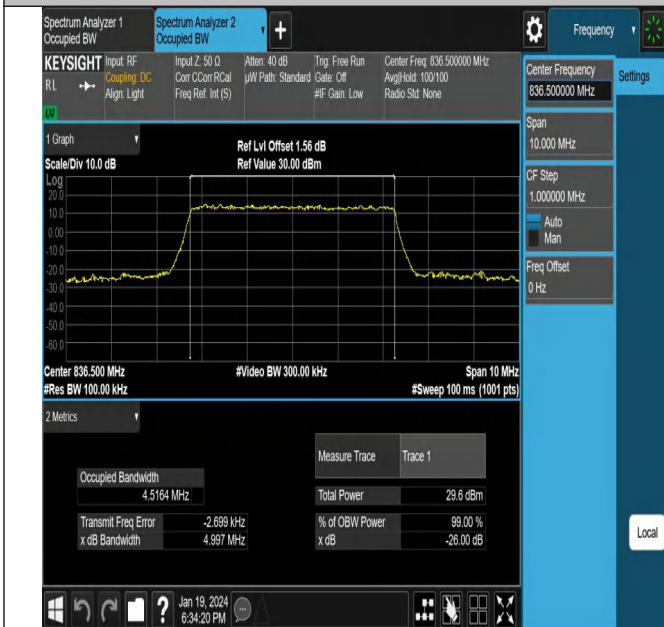




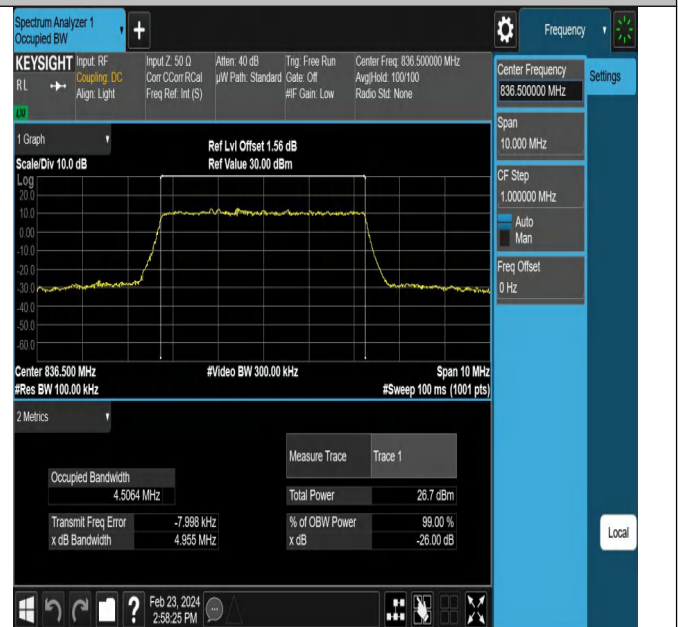
Band5-5MHz-64QAM-20525-25RB#0-PASS



Band5-5MHz-QPSK-20525-25RB#0-PASS



Band5-5MHz-16QAM-20525-25RB#0-PASS



Band5-5MHz-256QAM-20525-25RB#0-PASS

# Band Edge

## Test Graphs



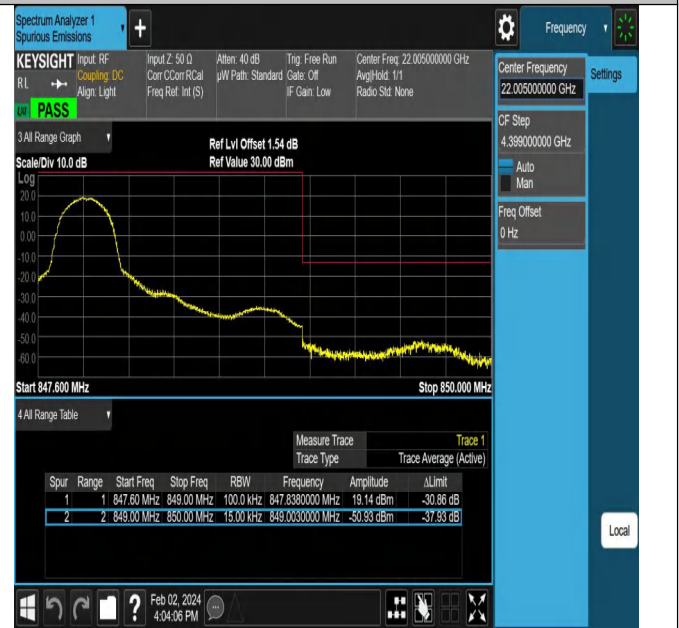
Band5\_1.4MHz\_QPSK\_20407\_1RB#0



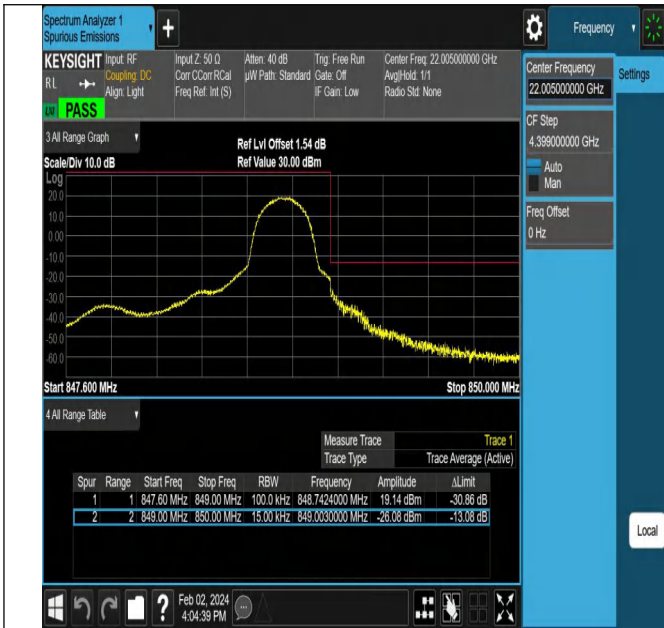
Band5\_1.4MHz\_QPSK\_20407\_1RB#5



Band5\_1.4MHz\_QPSK\_20407\_6RB#0



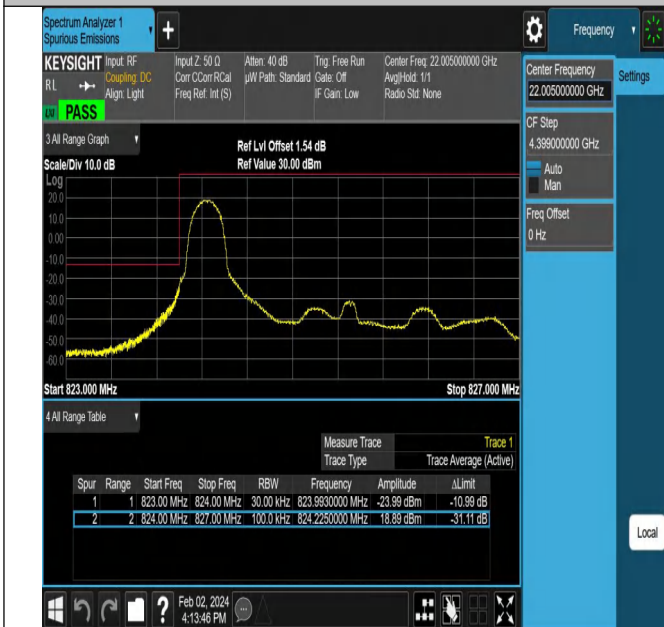
Band5\_1.4MHz\_QPSK\_20643\_1RB#0



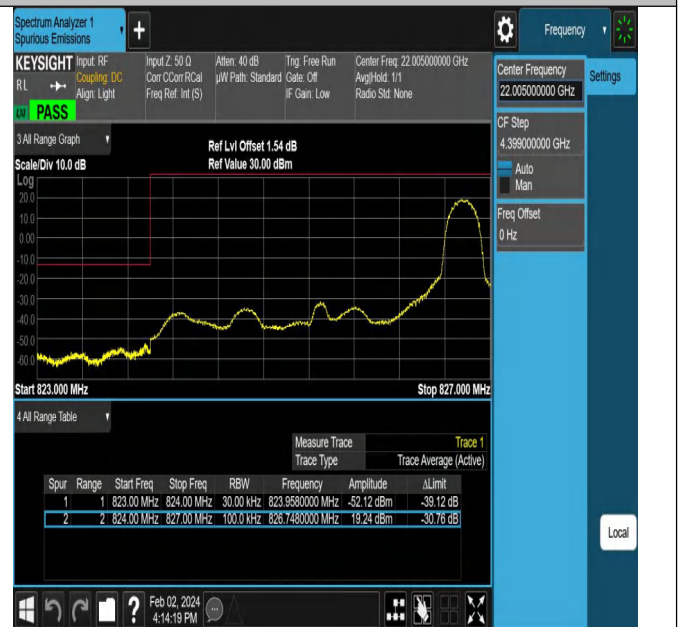
Band5\_1.4MHz\_QPSK\_20643\_1RB#5



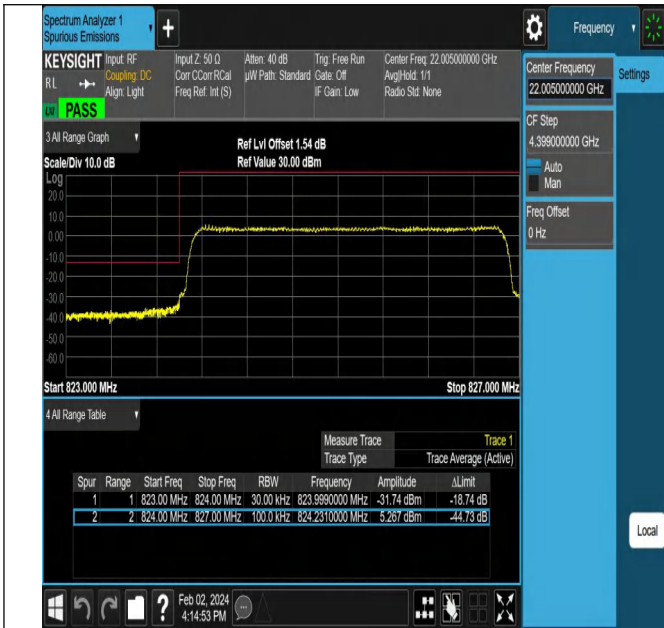
Band5\_1.4MHz\_QPSK\_20643\_6RB#0



Band5\_3MHz\_QPSK\_20415\_1RB#0



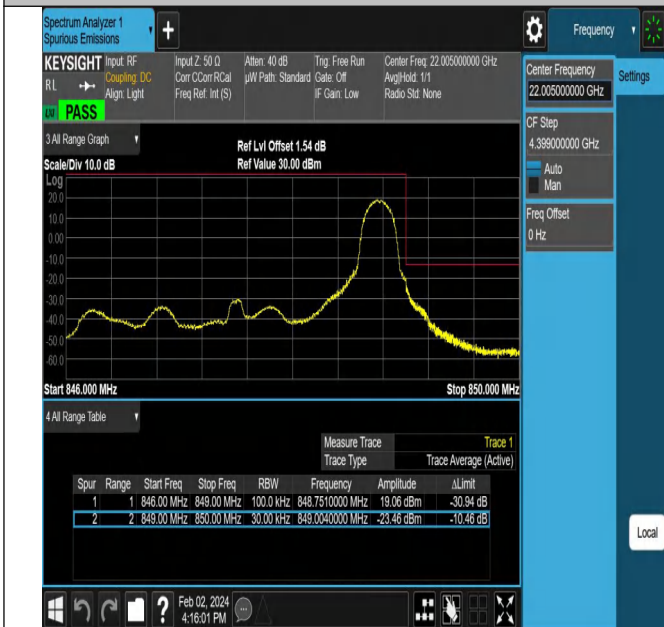
Band5\_3MHz\_QPSK\_20415\_1RB#14



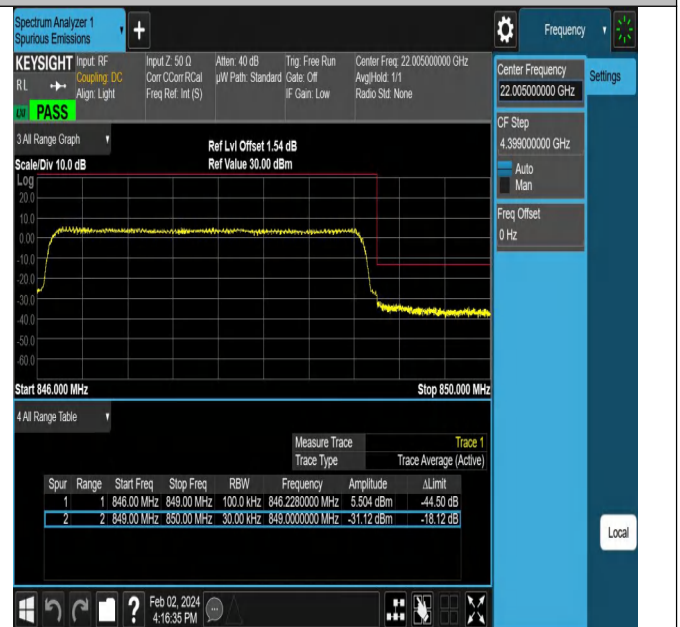
Band5\_3MHz\_QPSK\_20415\_15RB#0



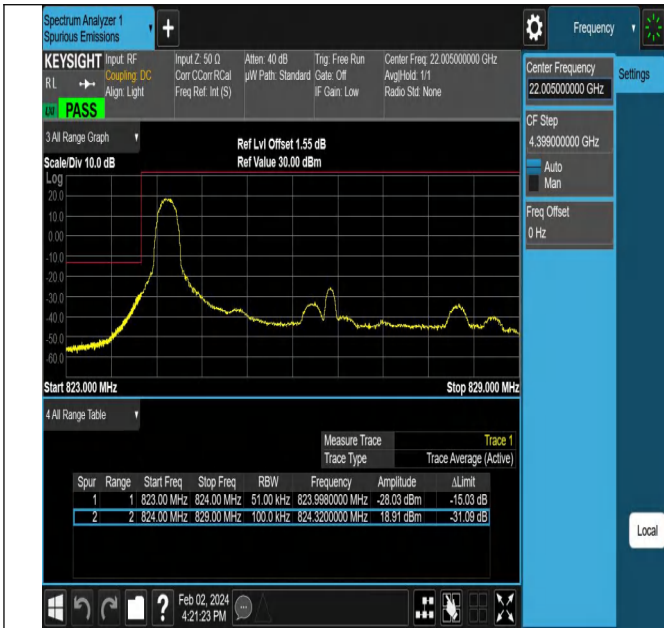
Band5\_3MHz\_QPSK\_20635\_1RB#0



Band5\_3MHz\_QPSK\_20635\_1RB#14



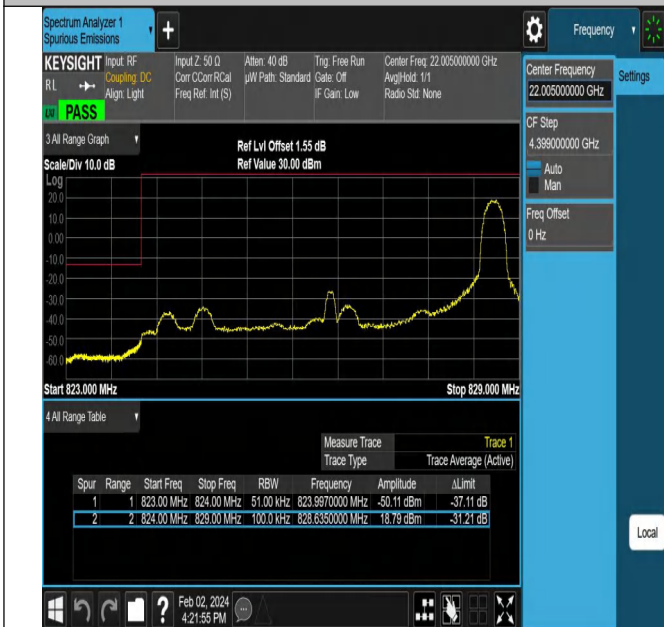
Band5\_3MHz\_QPSK\_20635\_15RB#0



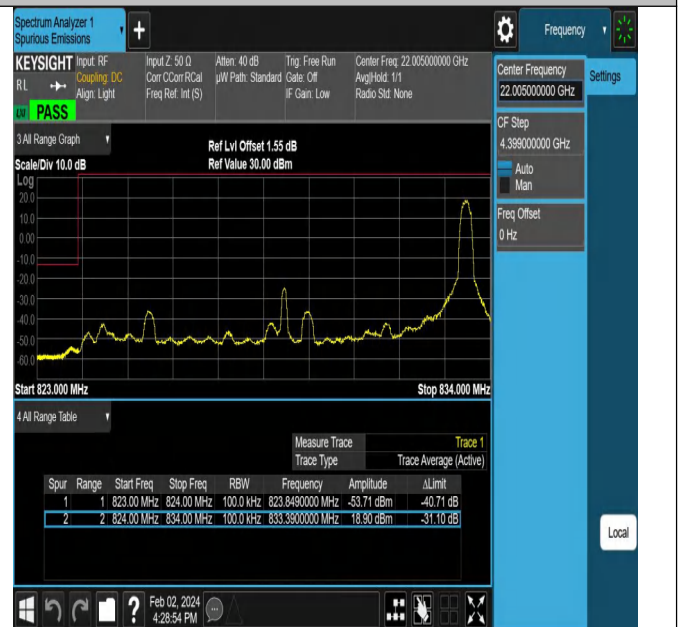
Band5\_5MHz\_QPSK\_20425\_1RB#0



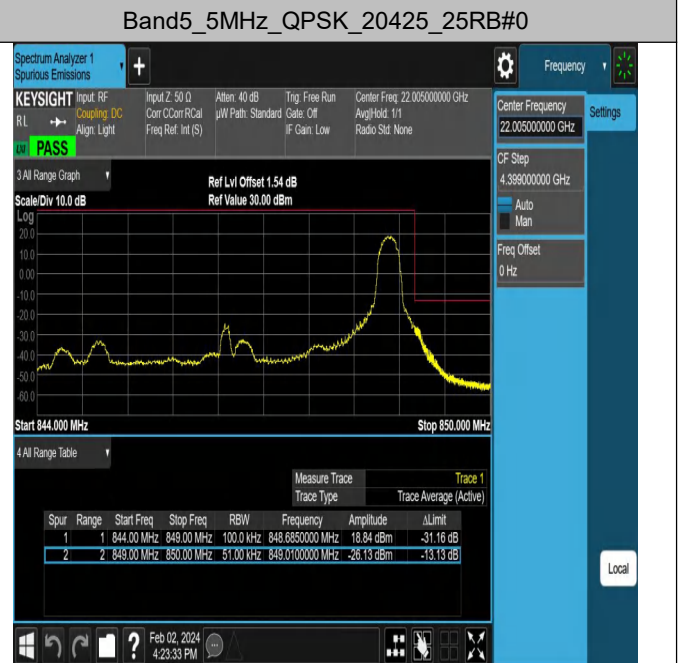
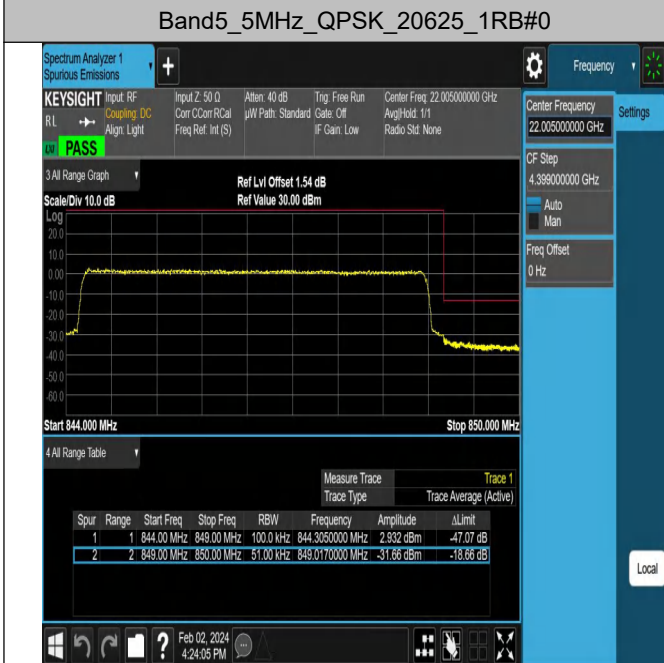
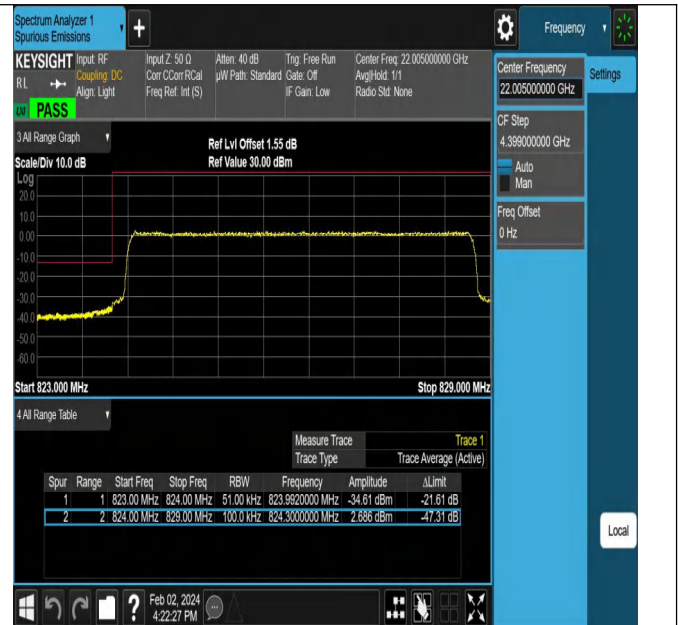
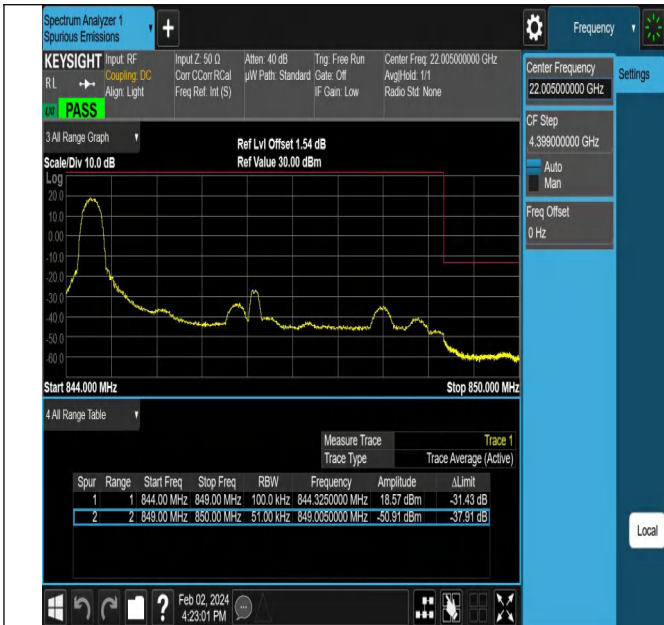
Band5\_10MHz\_QPSK\_20450\_1RB#0



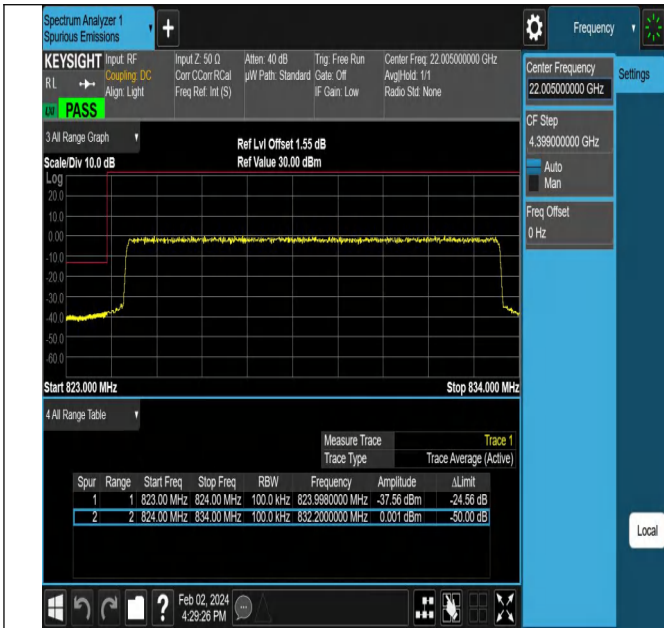
Band5\_5MHz\_QPSK\_20425\_1RB#24



Band5\_10MHz\_QPSK\_20450\_1RB#49



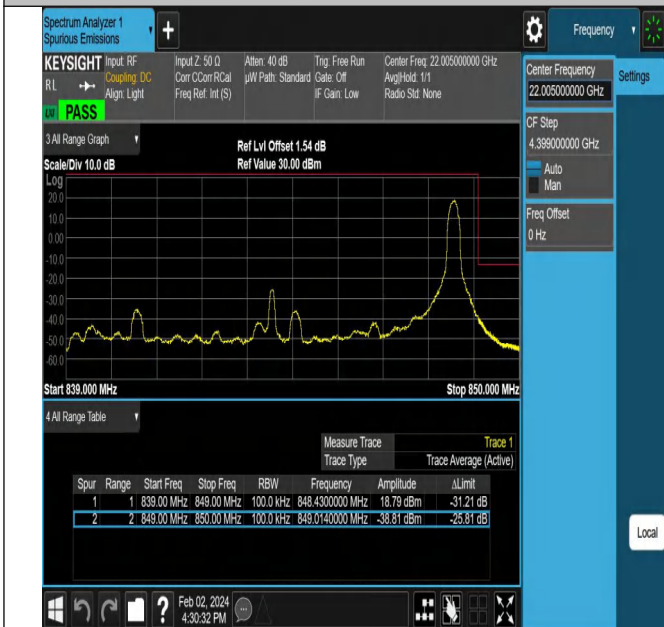




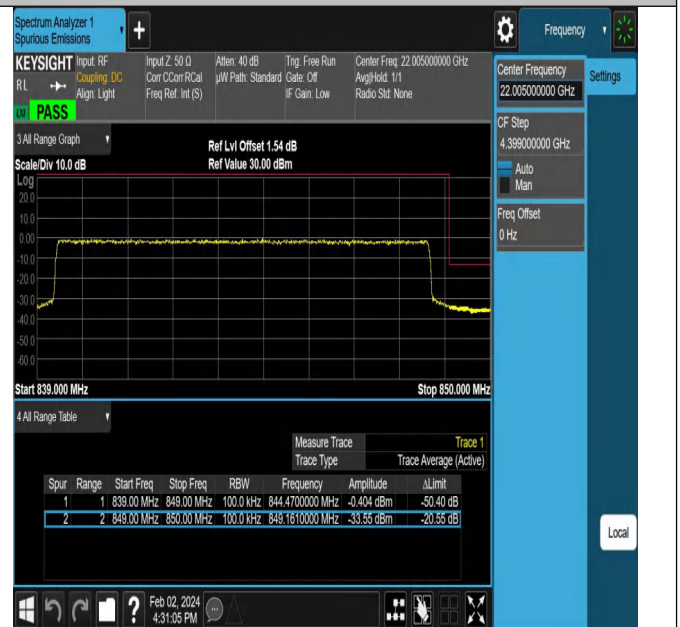
Band5\_10MHz\_QPSK\_20450\_50RB#0



Band5\_10MHz\_QPSK\_20600\_1RB#0



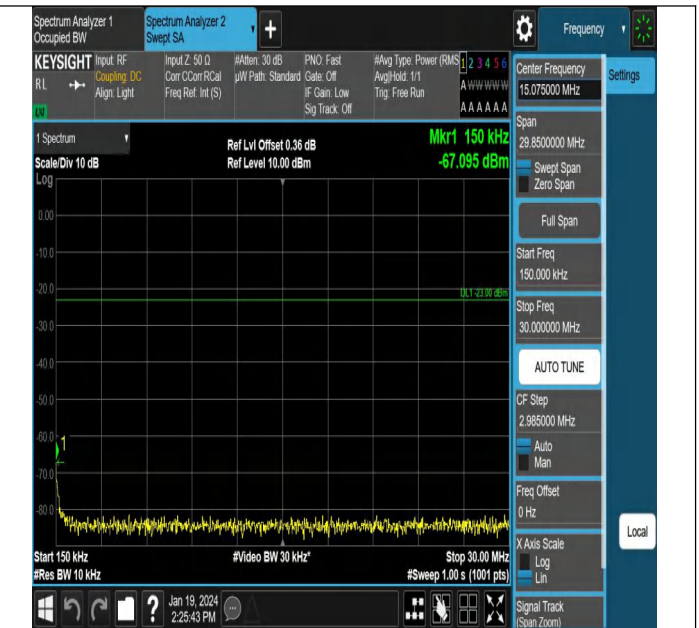
Band5\_10MHz\_QPSK\_20600\_1RB#49



Band5\_10MHz\_QPSK\_20600\_50RB#0

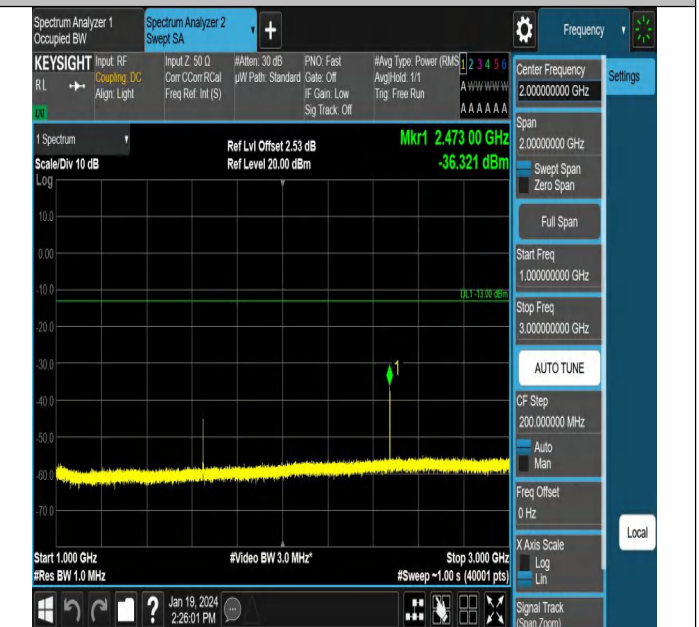
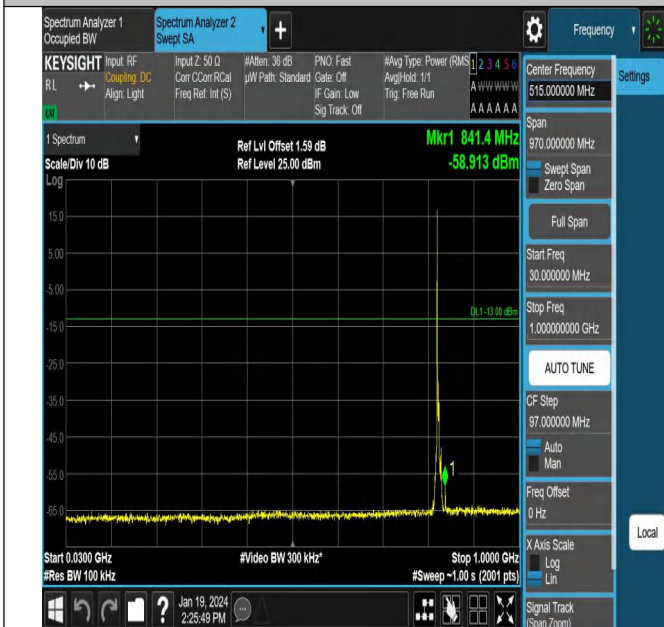
# Conducted Spurious Emission

## Test Graphs



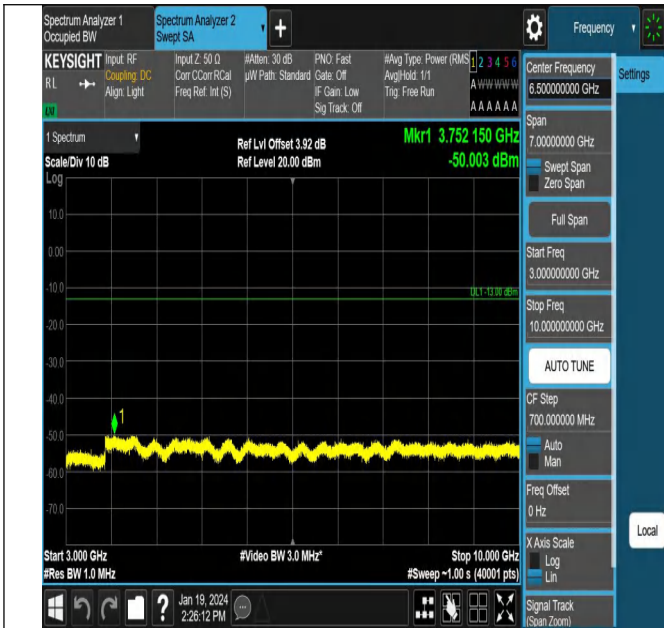
Band5\_5MHz\_QPSK\_20425\_1RB#0\_0.009~0.15\_0.009~0.15

Band5\_5MHz\_QPSK\_20425\_1RB#0\_0.15~30\_0.15~30

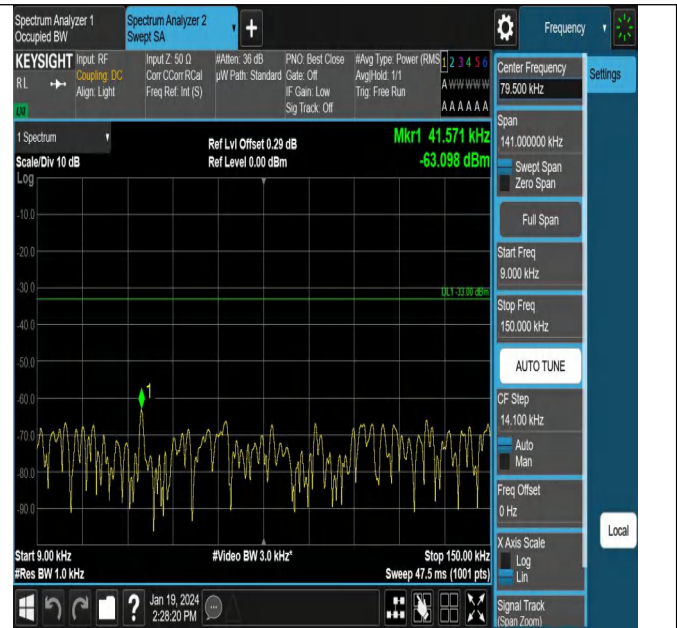


Band5\_5MHz\_QPSK\_20425\_1RB#0\_30~1000\_30~1000

Band5\_5MHz\_QPSK\_20425\_1RB#0\_1000~3000\_1000~3000



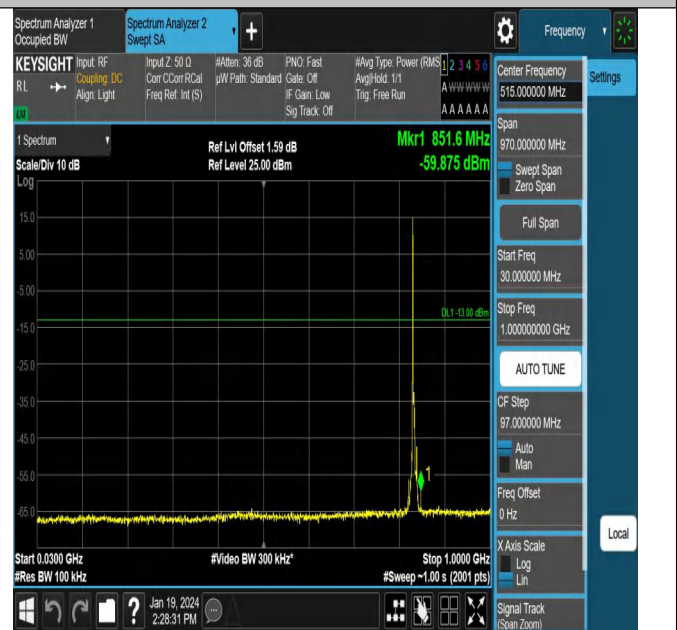
Band5\_5MHz\_QPSK\_20425\_1RB#0\_3000~10000\_3000~10000



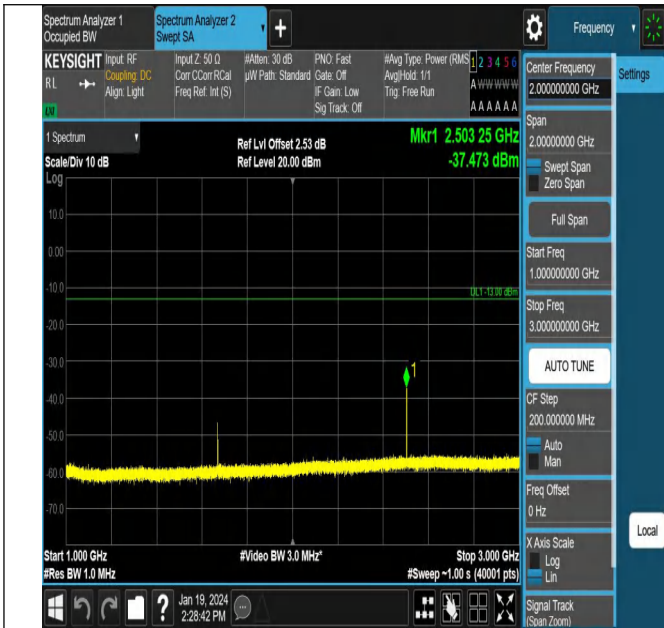
Band5\_5MHz\_QPSK\_20525\_1RB#0\_0.009~0.15\_0.009~0.15



Band5\_5MHz\_QPSK\_20525\_1RB#0\_0.15~30\_0.15~30



Band5\_5MHz\_QPSK\_20525\_1RB#0\_30~1000\_30~1000



Band5\_5MHz\_QPSK\_20525\_1RB#0\_1000~3000\_1000~3000

Band5\_5MHz\_QPSK\_20525\_1RB#0\_3000~10000\_3000~10000



Band5\_5MHz\_QPSK\_20625\_1RB#0\_0.009~0.15\_0.009~0.15

Band5\_5MHz\_QPSK\_20625\_1RB#0\_0.15~30\_0.15~30