

## Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	E(I)RP(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.12	25.12	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.41	24.41	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.13	25.13	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.48	24.48	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.06	25.06	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.39	24.39	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.43	24.43	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.44	23.44	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.25	25.25	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.34	24.34	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.3	25.3	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.46	24.46	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.24	25.24	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.32	24.32	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.47	24.47	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.56	23.56	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.26	25.26	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.44	24.44	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.26	25.26	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.51	24.51	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.24	25.24	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.43	24.43	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.5	24.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.4	23.4	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.19	25.19	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.53	24.53	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.19	25.19	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.56	24.56	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.15	25.15	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.53	24.53	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.59	24.59	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.66	23.66	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.3	25.3	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.55	24.55	PASS

Band4	3MHz	QPSK	20175	1RB#8	23.32	25.32	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.5	24.5	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.31	25.31	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.48	24.48	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.68	24.68	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.68	23.68	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.22	25.22	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.59	24.59	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.25	25.25	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.6	24.6	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.26	25.26	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.51	24.51	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.63	24.63	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.69	23.69	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.29	25.29	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.55	24.55	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.37	25.37	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.67	24.67	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.25	25.25	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.51	24.51	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.63	24.63	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.7	23.7	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.3	25.3	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.75	24.75	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.37	25.37	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.82	24.82	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.28	25.28	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.4	24.4	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.22	24.22	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.32	23.32	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.73	25.73	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.98	24.98	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.79	25.79	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.04	25.04	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.66	25.66	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.88	24.88	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.02	25.02	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.09	24.09	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.19	25.19	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.57	24.57	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.23	25.23	PASS

Band4	10MHz	16QAM	20000	1RB#24	22.57	24.57	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.2	25.2	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.6	24.6	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.61	24.61	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.67	23.67	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.33	25.33	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.56	24.56	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.33	25.33	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.54	24.54	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.32	25.32	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.48	24.48	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.65	24.65	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.82	23.82	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.29	25.29	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.33	24.33	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.32	25.32	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.29	24.29	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.22	25.22	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.35	24.35	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.66	24.66	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.73	23.73	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.19	25.19	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.55	24.55	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.22	25.22	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.61	24.61	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.2	25.2	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.62	24.62	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.6	24.6	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.63	23.63	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.2	25.2	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.72	24.72	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.21	25.21	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.77	24.77	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.19	25.19	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.75	24.75	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.67	24.67	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.71	23.71	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.35	25.35	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.45	24.45	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.3	25.3	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.33	24.33	PASS

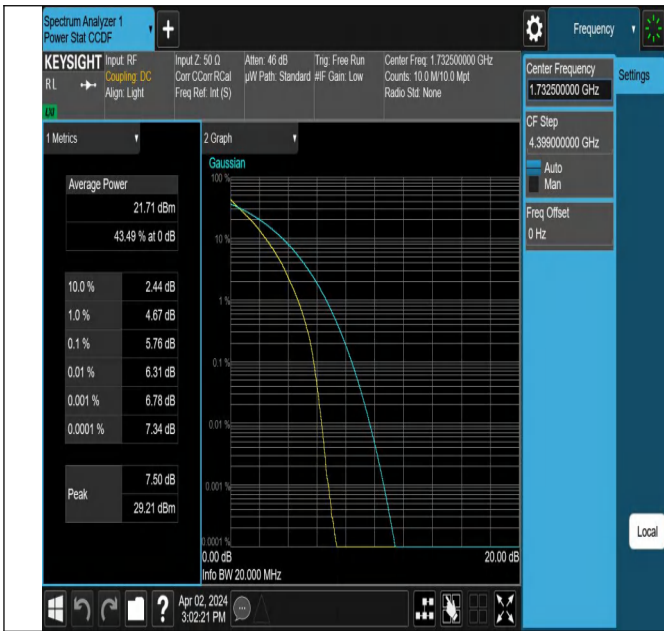
Band4	15MHz	QPSK	20325	1RB#74	23.3	25.3	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.34	24.34	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.71	24.71	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.67	23.67	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.25	25.25	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.52	24.52	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.33	25.33	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.54	24.54	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.3	25.3	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.55	24.55	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.66	24.66	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.72	23.72	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.31	25.31	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.83	24.83	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.37	25.37	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.83	24.83	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.24	25.24	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.68	24.68	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.71	24.71	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.77	23.77	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.26	25.26	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.43	24.43	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.2	25.2	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.35	24.35	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.2	25.2	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.34	24.34	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.7	24.7	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.77	23.77	PASS

## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	5.76	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.55	13	PASS

Test Graphs



Band4-20MHz-QPSK-20175-100RB#0-PASS



Band4-20MHz-16QAM-20175-100RB#0-PASS

## 26dB Bandwidth and Occupied Bandwidth

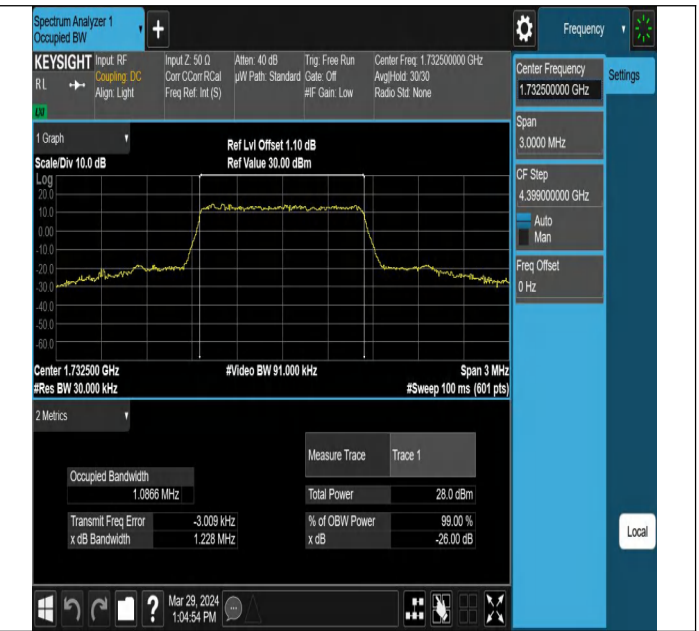
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	1.0940	1.235	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0866	1.228	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7095	2.985	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6963	2.979	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5164	5.000	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5137	4.943	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9953	9.866	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9899	9.867	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.500	14.74	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.458	14.67	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.949	19.44	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.020	19.50	PASS

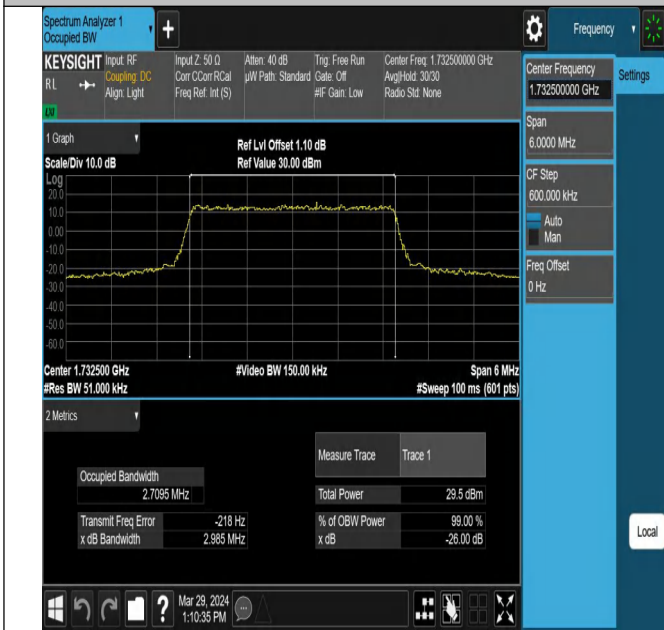
Test Graphs



Band4-1.4MHz-QPSK-20175-6RB#0-PASS



Band4-1.4MHz-16QAM-20175-6RB#0-PASS

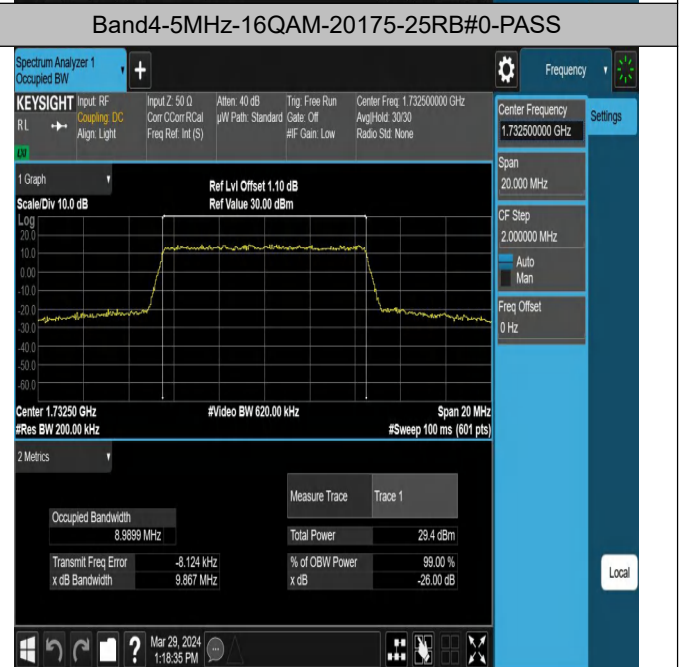
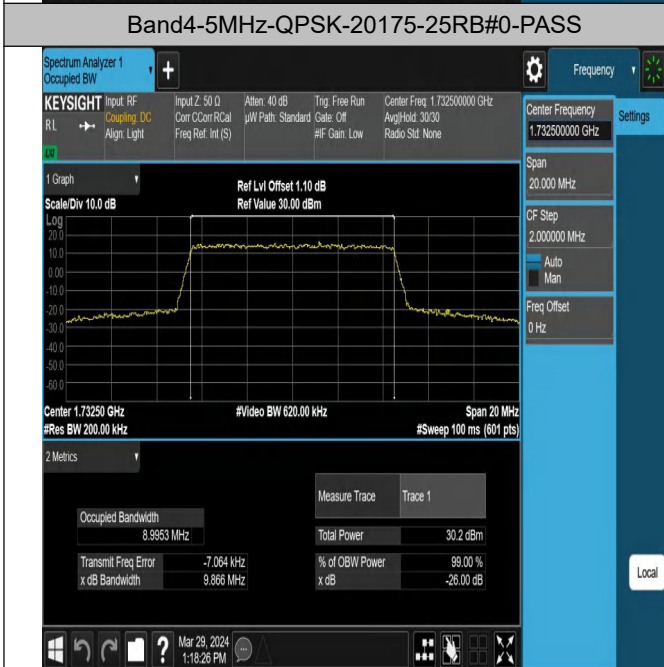


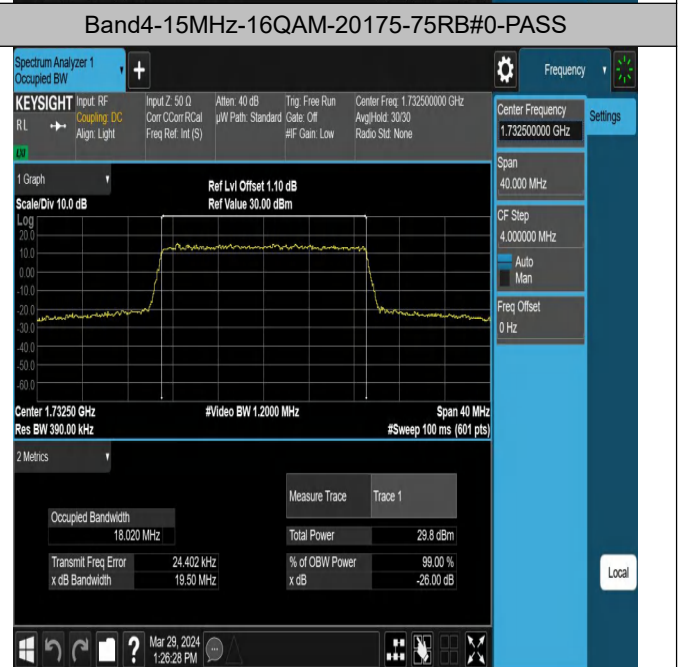
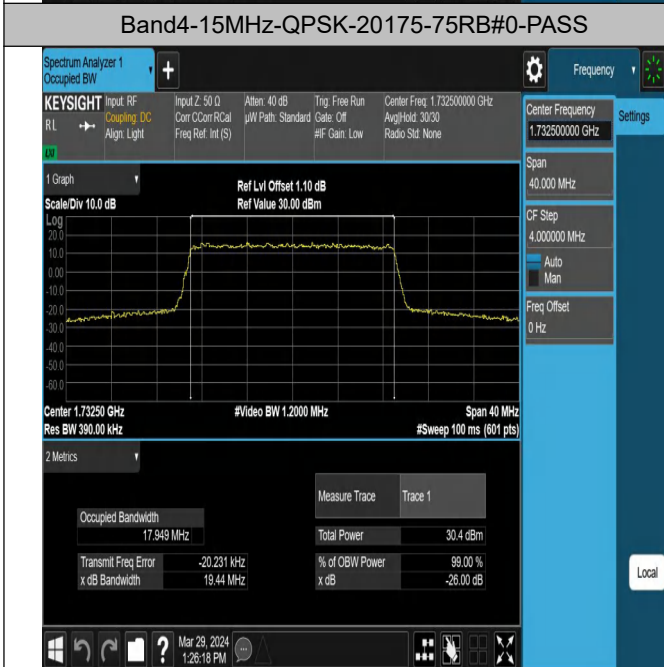
Band4-3MHz-QPSK-20175-15RB#0-PASS



Band4-3MHz-16QAM-20175-15RB#0-PASS

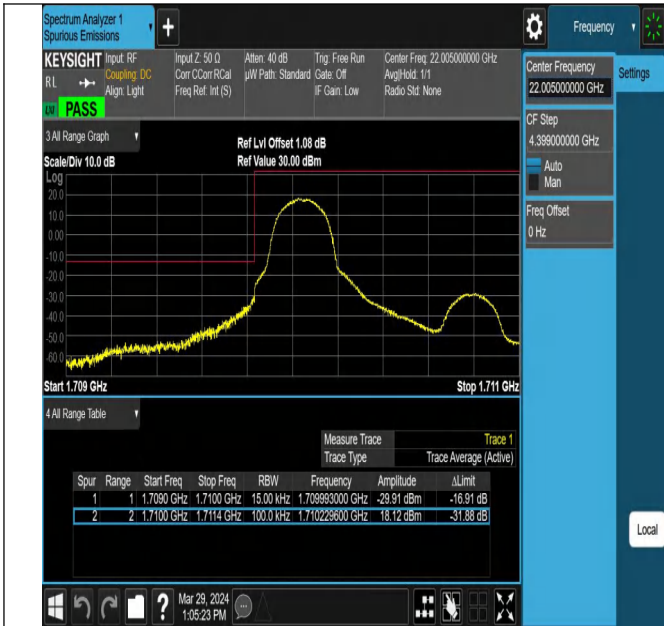






# Band Edge

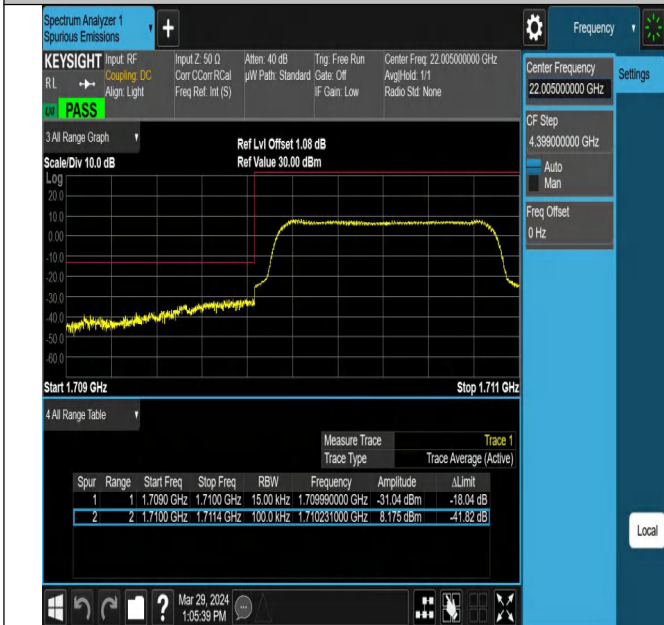
## Test Graphs



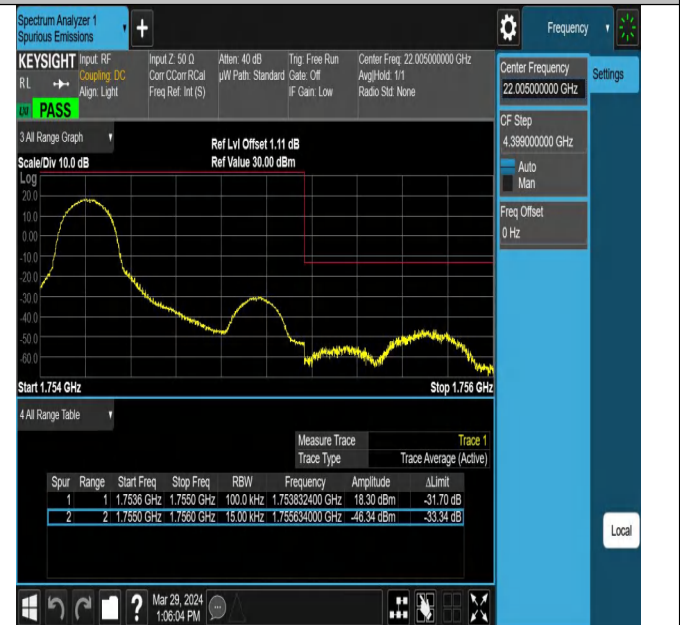
Band4\_1.4MHz\_QPSK\_19957\_1RB#0



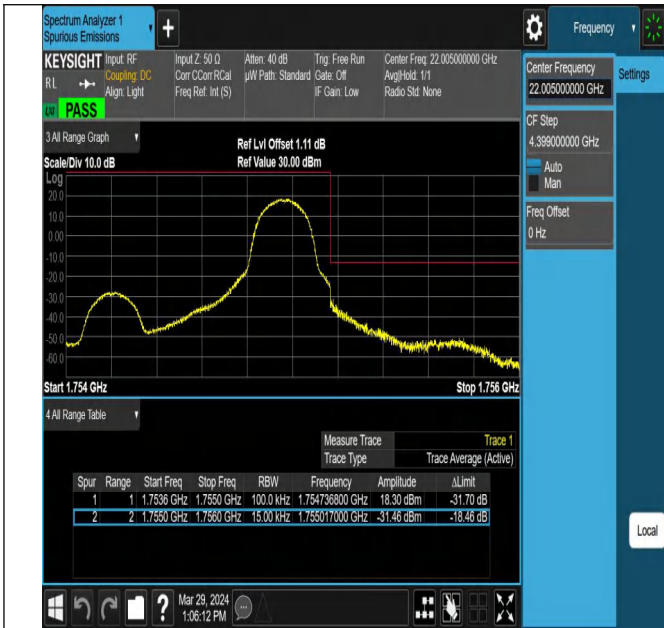
Band4\_1.4MHz\_QPSK\_19957\_1RB#5



Band4\_1.4MHz\_QPSK\_19957\_6RB#0



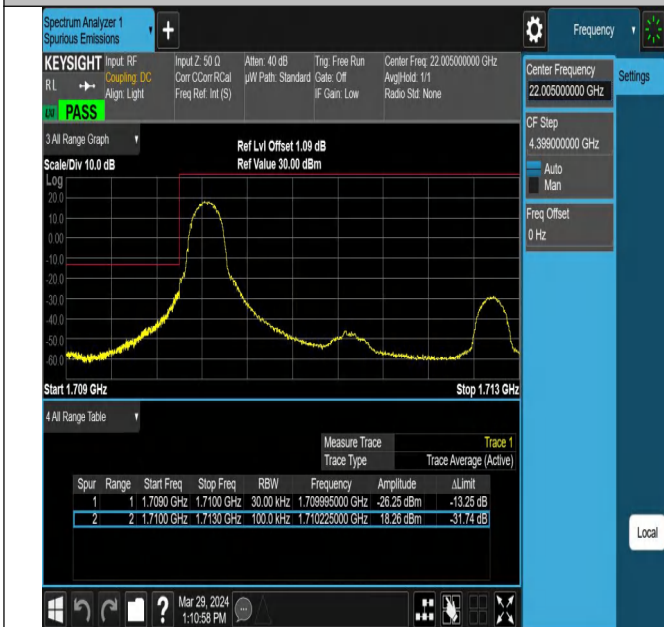
Band4\_1.4MHz\_QPSK\_20393\_1RB#0



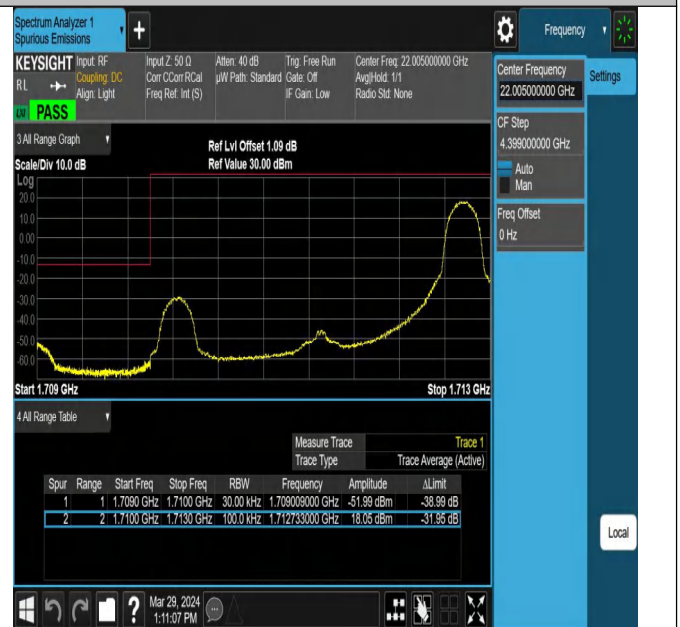
Band4\_1.4MHz\_QPSK\_20393\_1RB#5



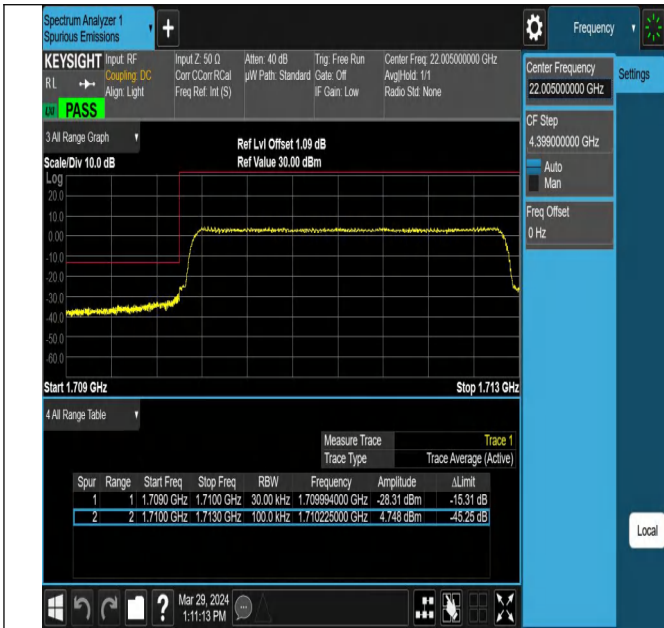
Band4\_1.4MHz\_QPSK\_20393\_6RB#0



Band4\_3MHz\_QPSK\_19965\_1RB#0



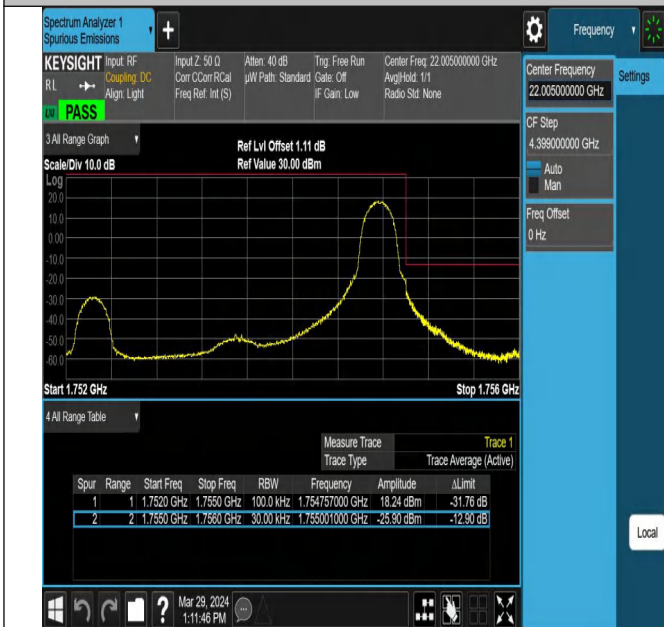
Band4\_3MHz\_QPSK\_19965\_1RB#14



Band4\_3MHz\_QPSK\_19965\_15RB#0



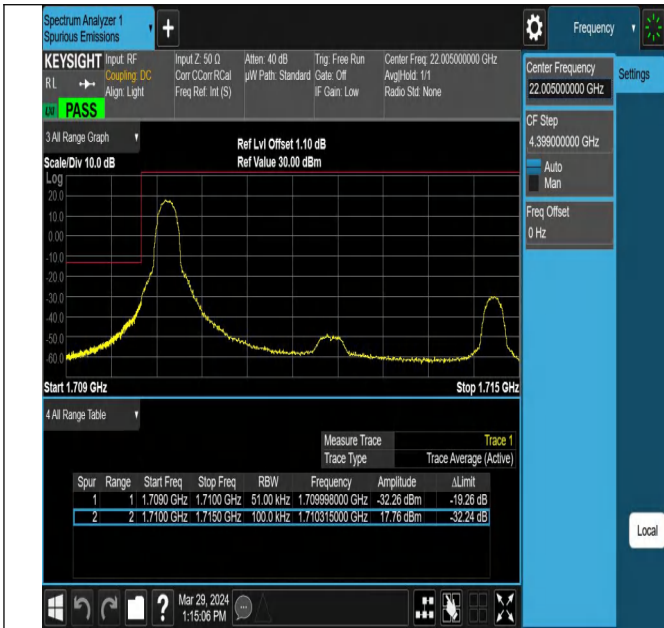
Band4\_3MHz\_QPSK\_20385\_1RB#0



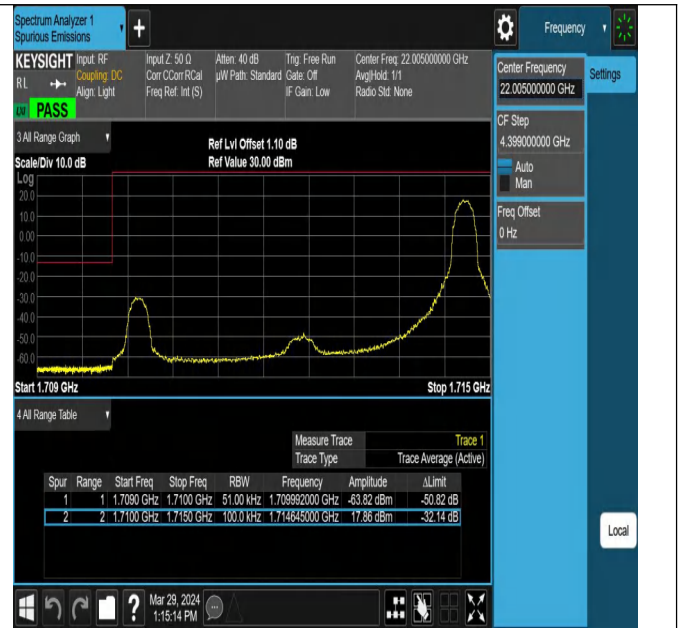
Band4\_3MHz\_QPSK\_20385\_1RB#14



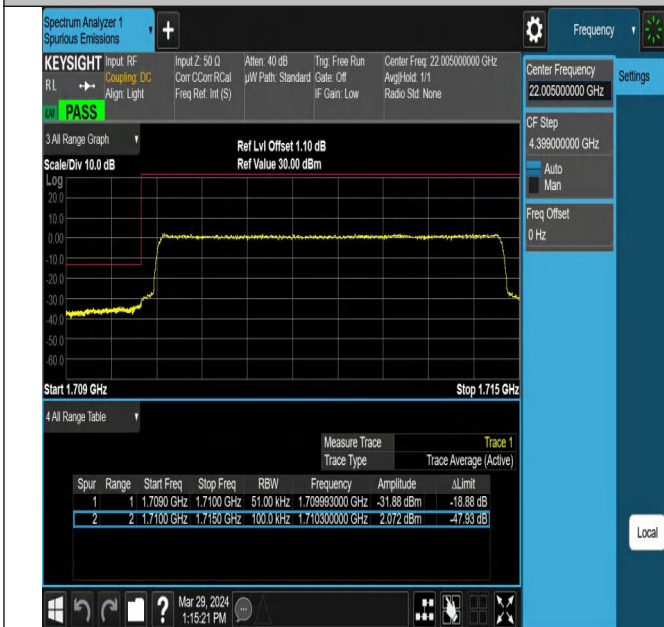
Band4\_3MHz\_QPSK\_20385\_15RB#0



Band4\_5MHz\_QPSK\_19975\_1RB#0



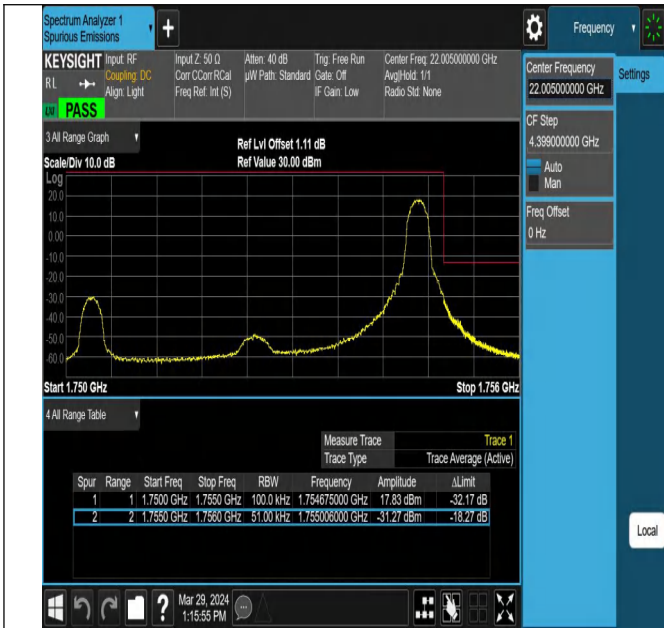
Band4\_5MHz\_QPSK\_19975\_1RB#24



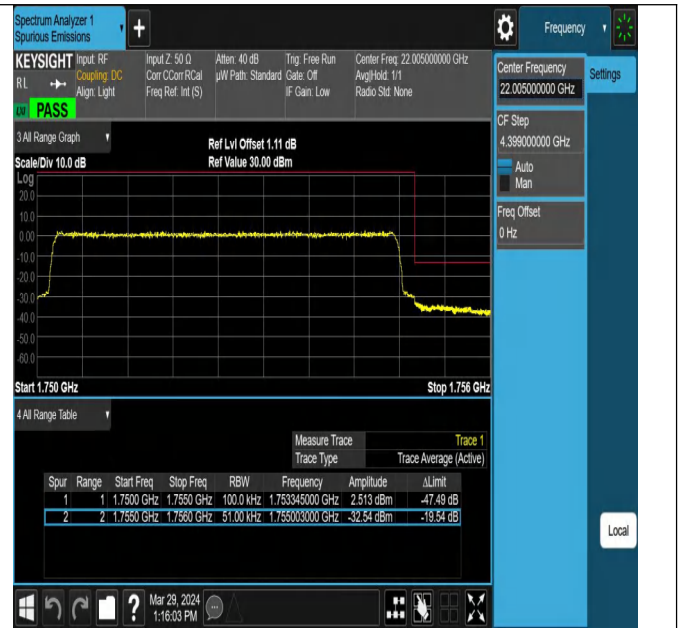
Band4\_5MHz\_QPSK\_19975\_25RB#0



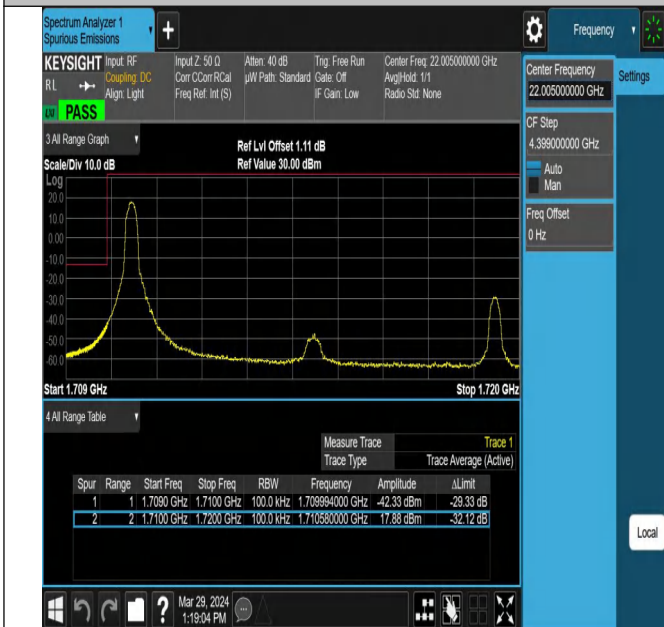
Band4\_5MHz\_QPSK\_20375\_1RB#0



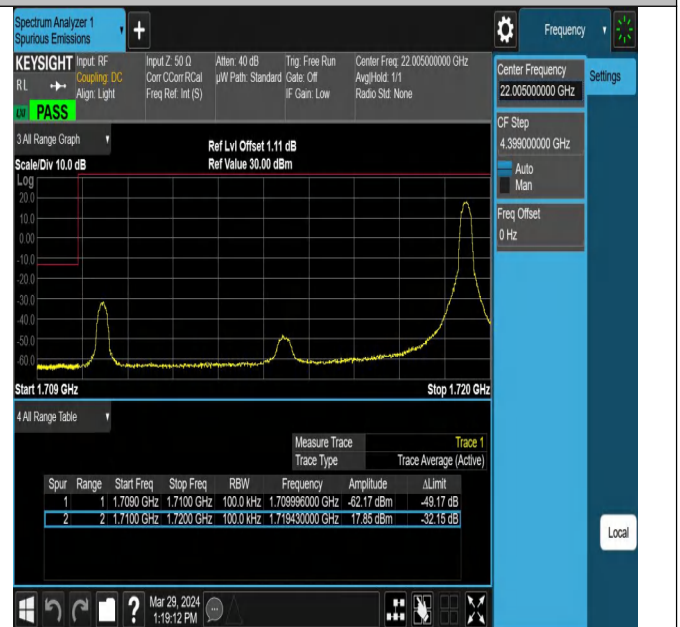
Band4\_5MHz\_QPSK\_20375\_1RB#24



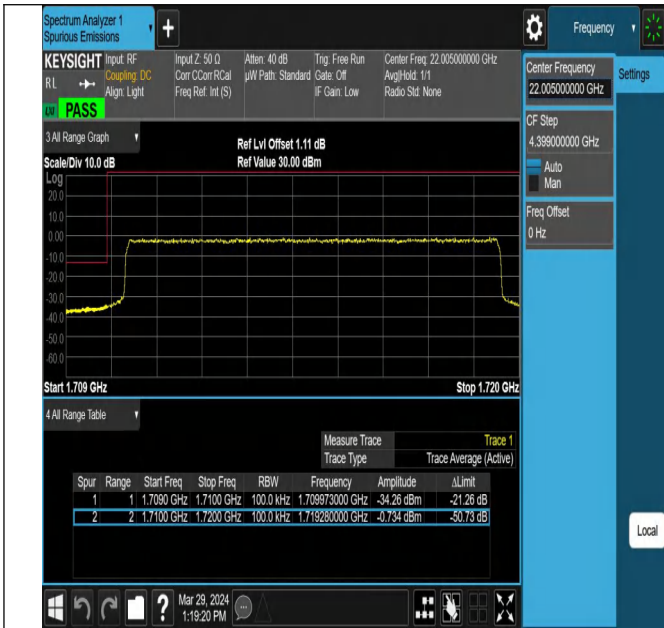
Band4\_5MHz\_QPSK\_20375\_25RB#0



Band4\_10MHz\_QPSK\_20000\_1RB#0



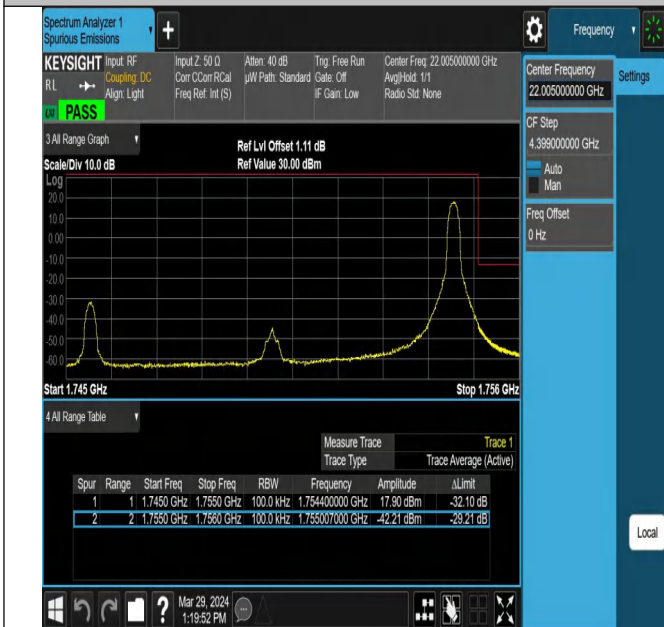
Band4\_10MHz\_QPSK\_20000\_1RB#49



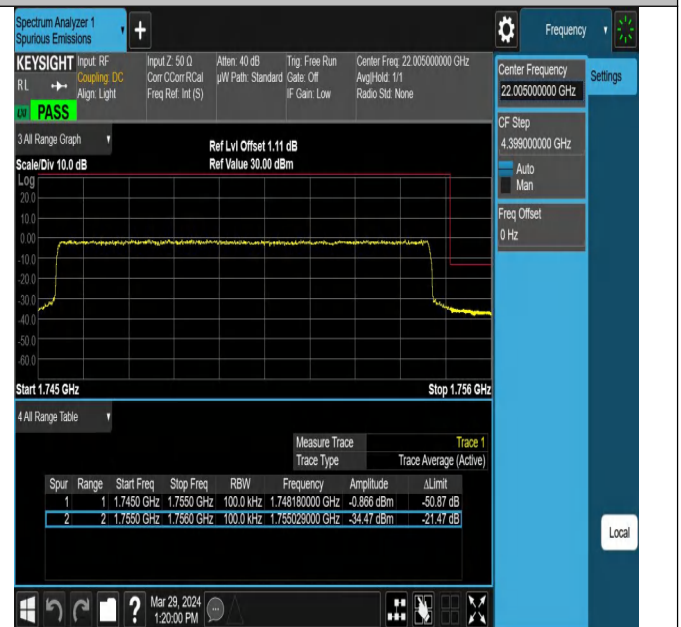
Band4\_10MHz\_QPSK\_20000\_50RB#0



Band4\_10MHz\_QPSK\_20350\_1RB#0

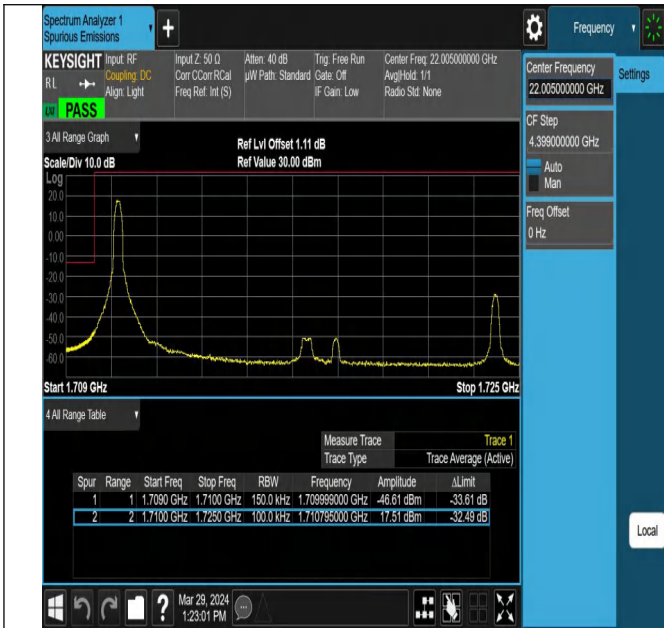


Band4\_10MHz\_QPSK\_20350\_1RB#49

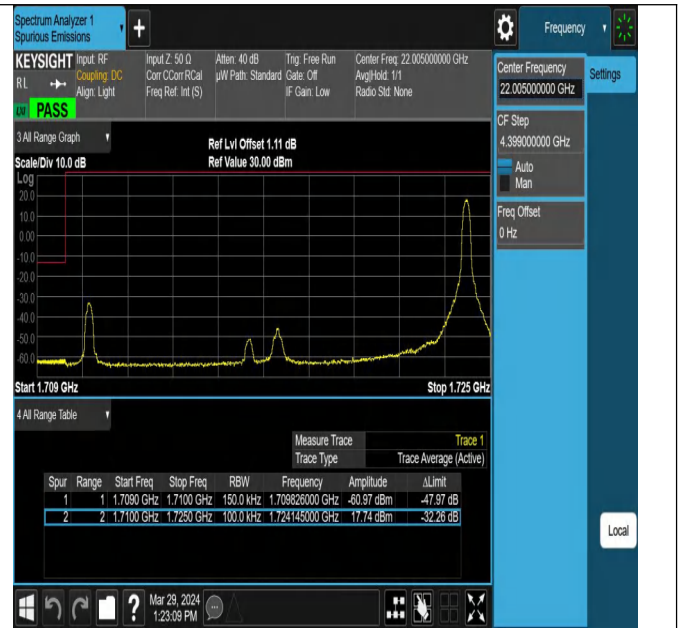


Band4\_10MHz\_QPSK\_20350\_50RB#0

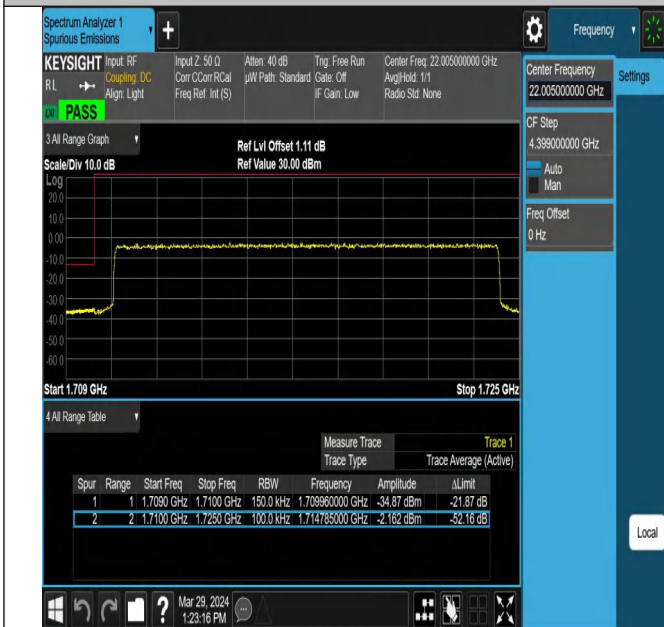




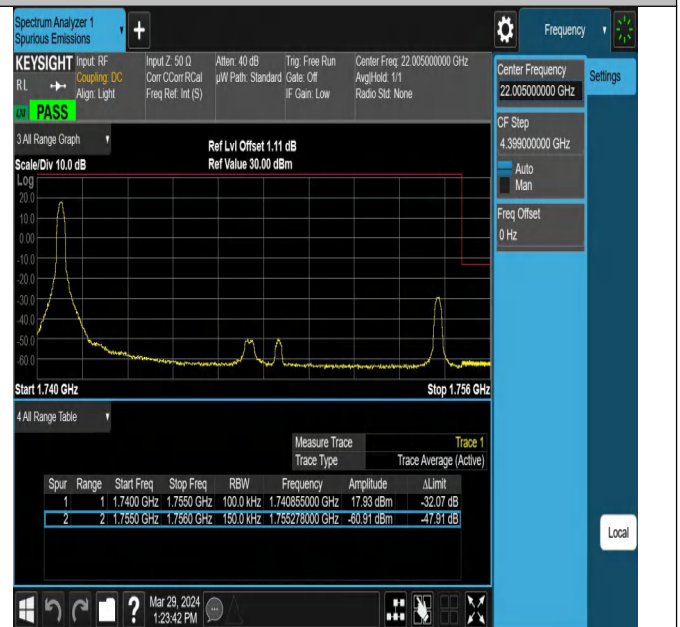
Band4\_15MHz\_QPSK\_2025\_1RB#0



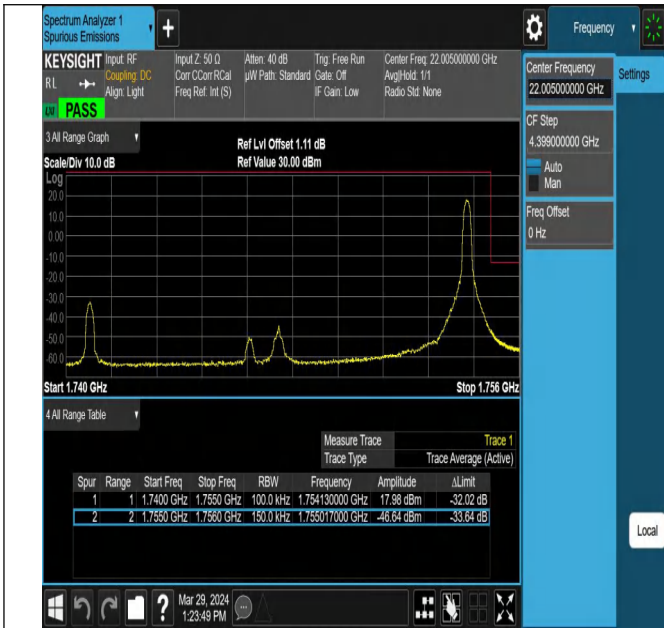
Band4\_15MHz\_QPSK\_2025\_1RB#74



Band4\_15MHz\_QPSK\_2025\_75RB#0



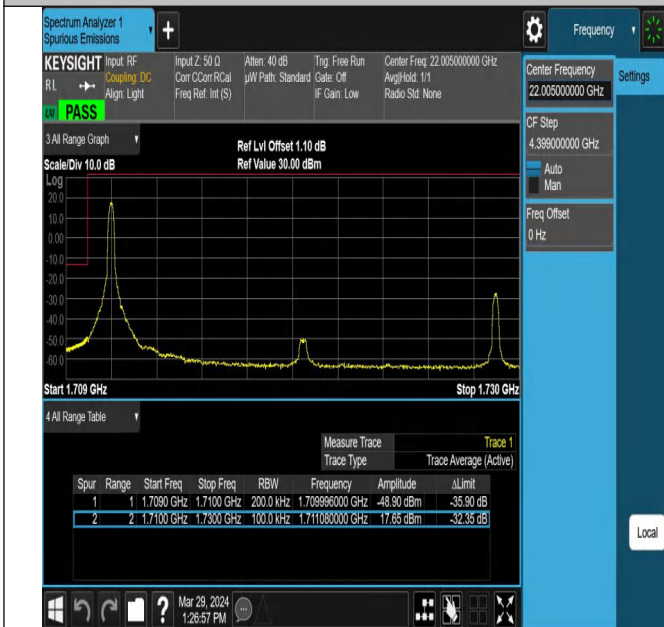
Band4\_15MHz\_QPSK\_20325\_1RB#0



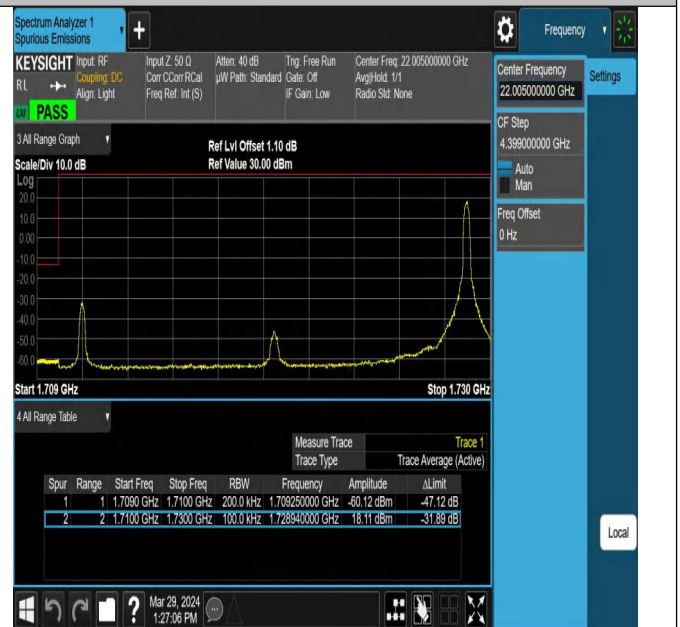
Band4\_15MHz\_QPSK\_20325\_1RB#74



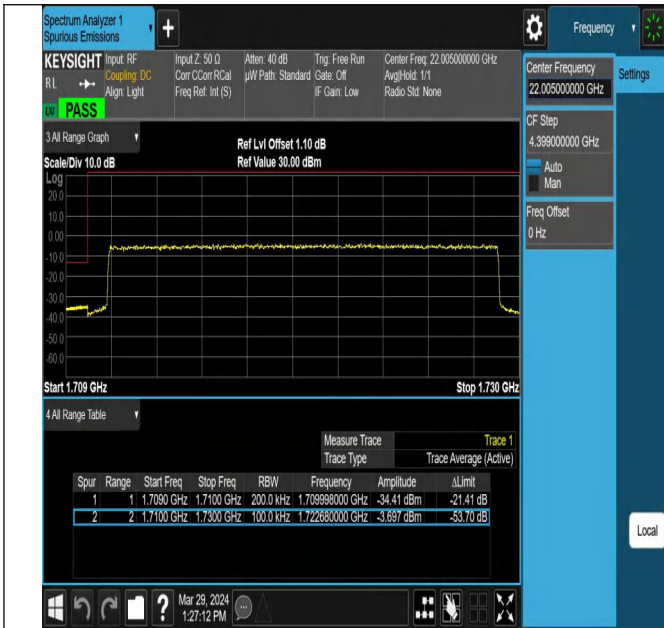
Band4\_15MHz\_QPSK\_20325\_75RB#0



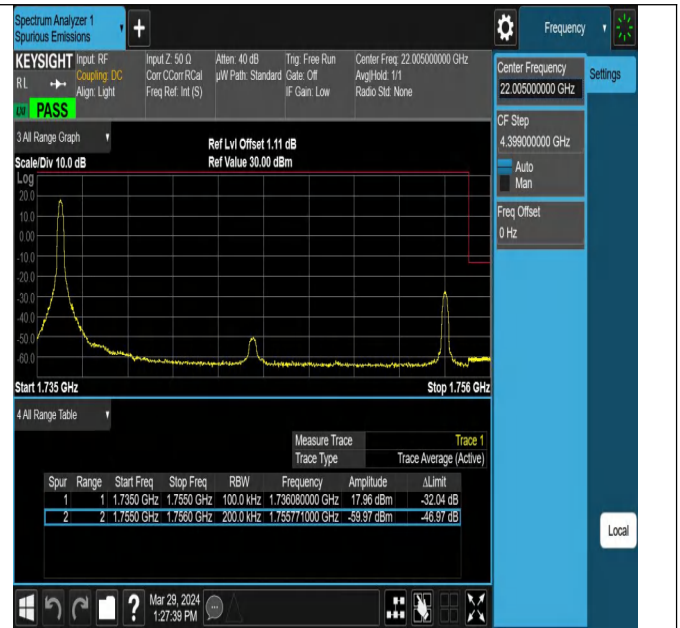
Band4\_20MHz\_QPSK\_20050\_1RB#0



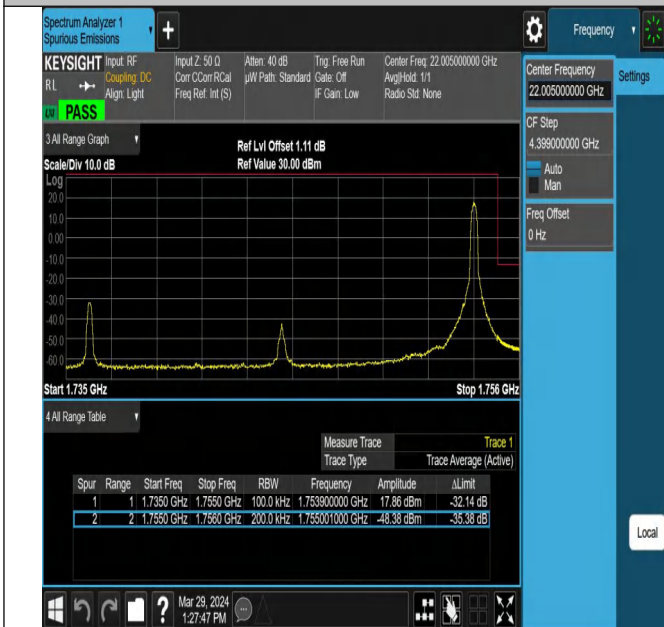
Band4\_20MHz\_QPSK\_20050\_1RB#99



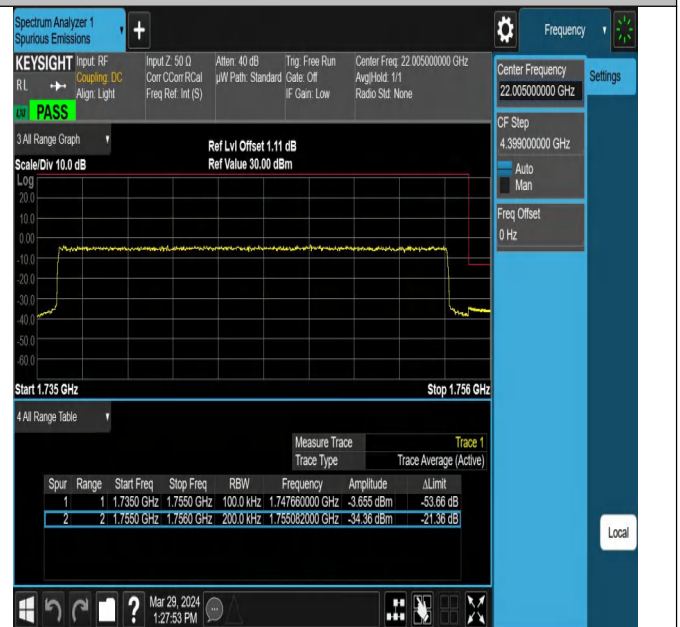
Band4\_20MHz\_QPSK\_20050\_100RB#0



Band4\_20MHz\_QPSK\_20300\_1RB#0



Band4\_20MHz\_QPSK\_20300\_1RB#99



Band4\_20MHz\_QPSK\_20300\_100RB#0

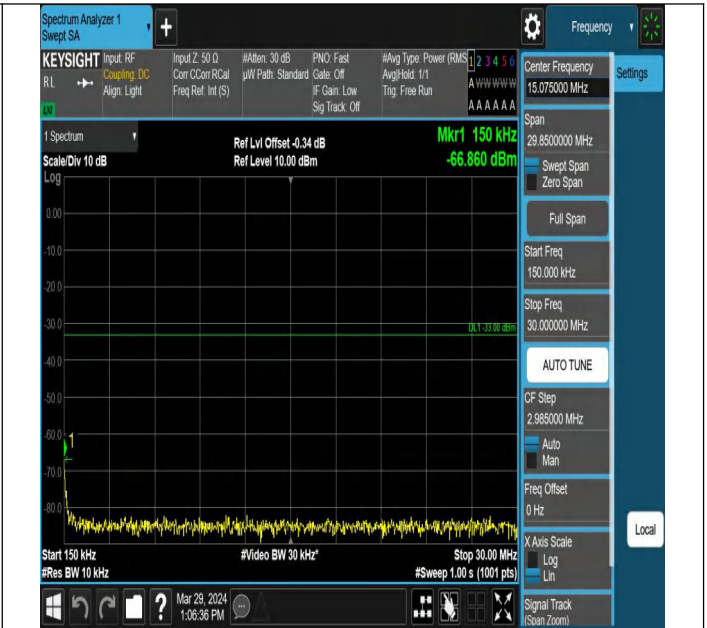
# Conducted Spurious Emission

## Test Graphs



Band4\_1.4MHz\_QPSK\_19957\_1RB#0\_0.009~0.15\_0.009~0.1

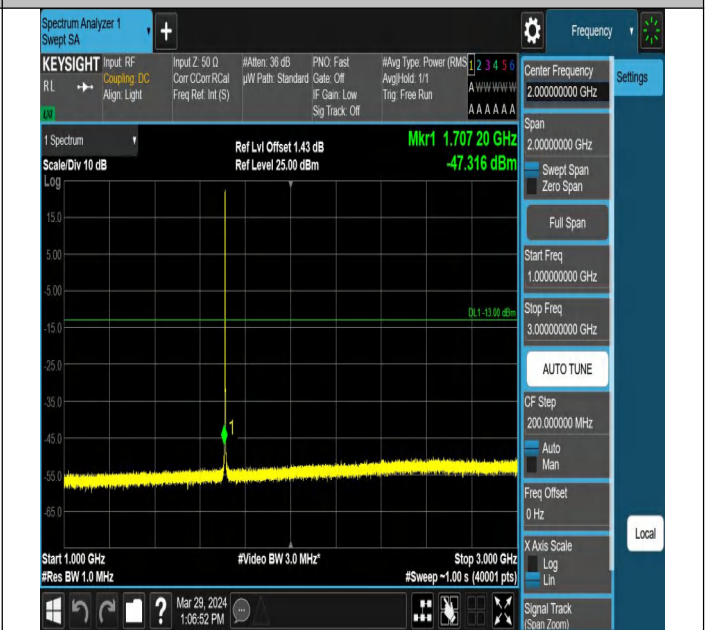
5



Band4\_1.4MHz\_QPSK\_19957\_1RB#0\_0.15~30\_0.15~30

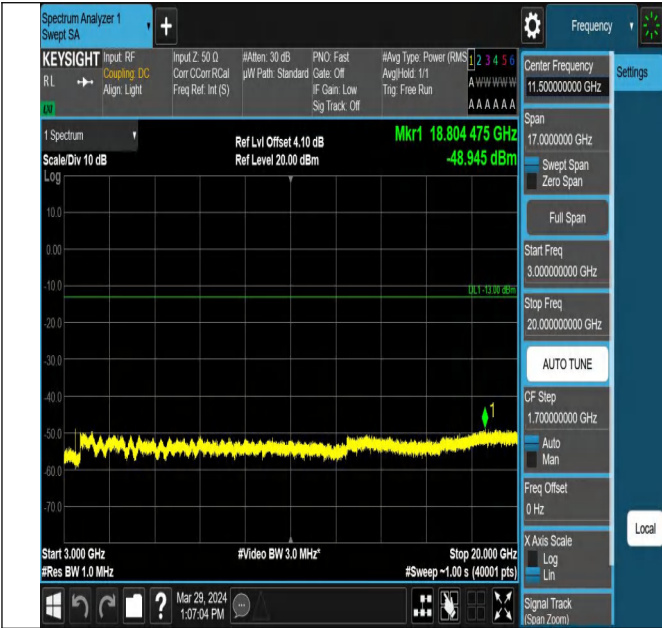


Band4\_1.4MHz\_QPSK\_19957\_1RB#0\_30~1000\_30~1000



Band4\_1.4MHz\_QPSK\_19957\_1RB#0\_1000~3000\_1000~300

0

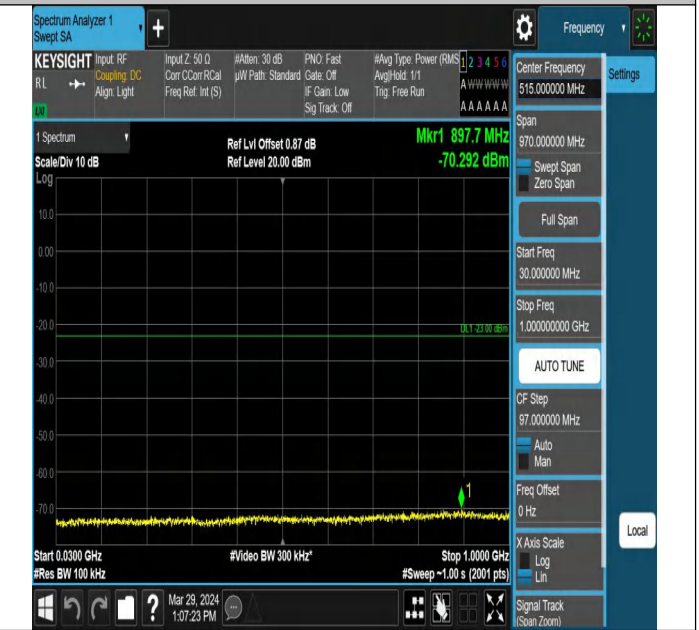
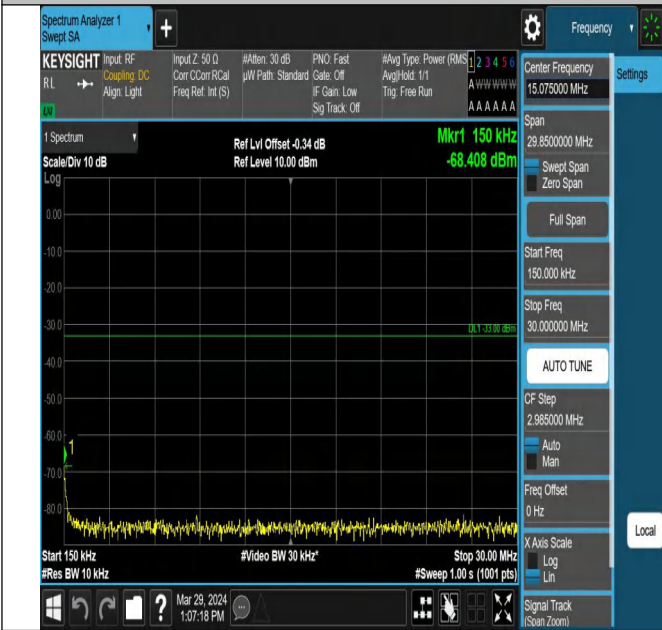


Band4\_1.4MHz\_QPSK\_19957\_1RB#0\_3000~20000\_3000~20000

Band4\_1.4MHz\_QPSK\_20175\_1RB#0\_0.009~0.15\_0.009~0.15

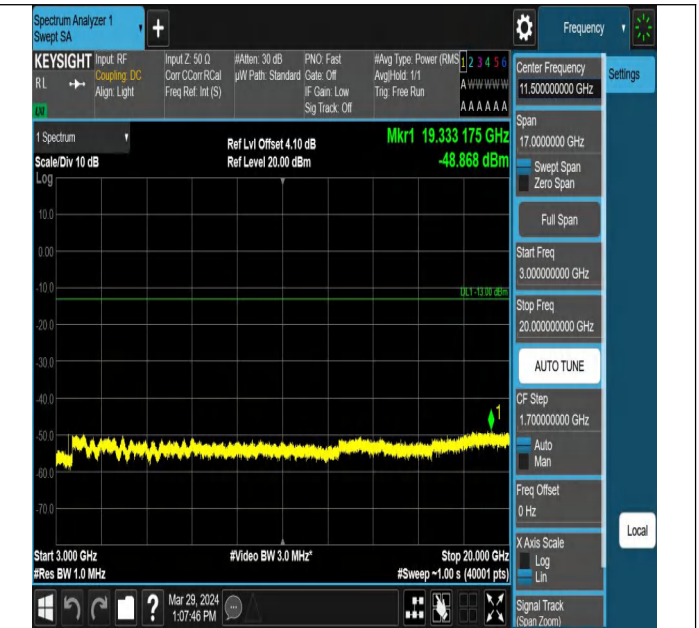
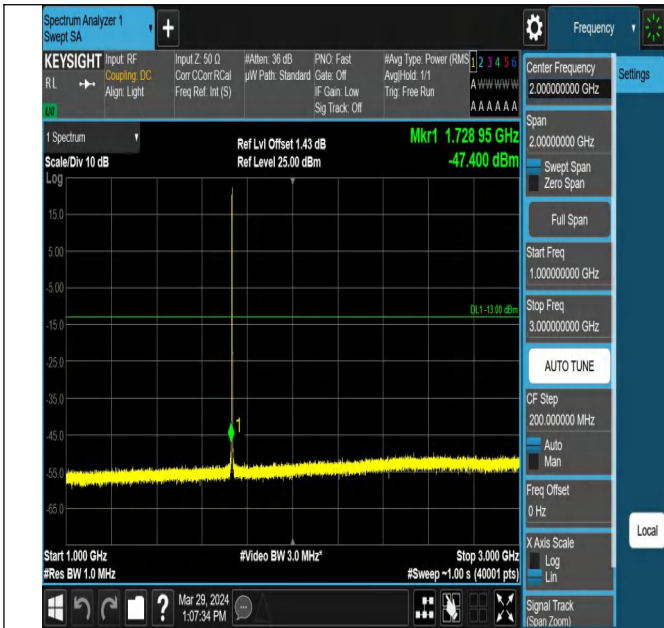
000

5



Band4\_1.4MHz\_QPSK\_20175\_1RB#0\_0.15~30\_0.15~30

Band4\_1.4MHz\_QPSK\_20175\_1RB#0\_30~1000\_30~1000

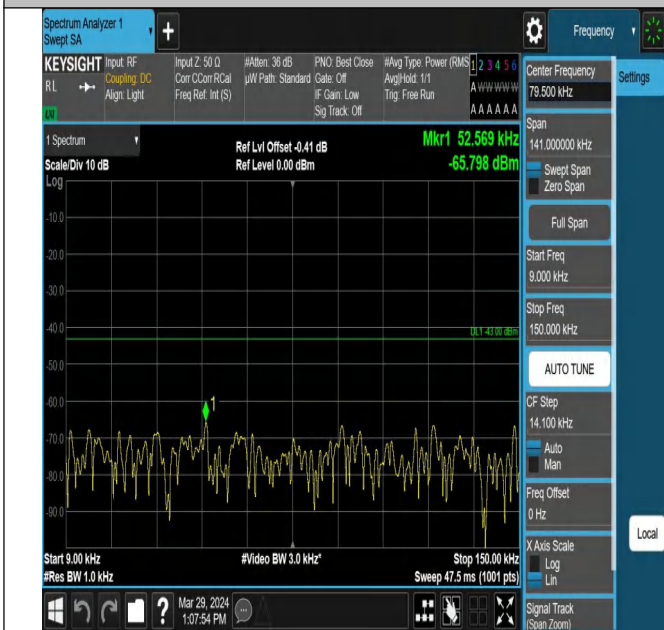


Band4\_1.4MHz\_QPSK\_20175\_1RB#0\_1000~3000\_1000~300

0

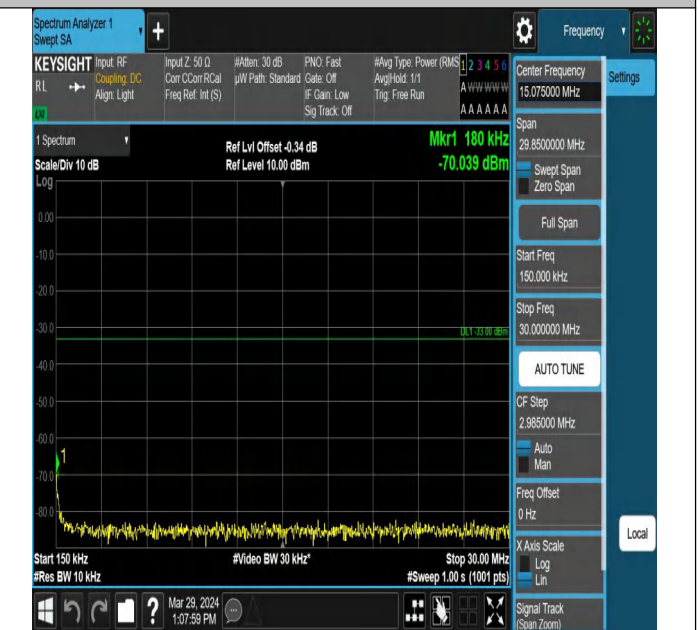
Band4\_1.4MHz\_QPSK\_20175\_1RB#0\_3000~20000\_3000~20

000

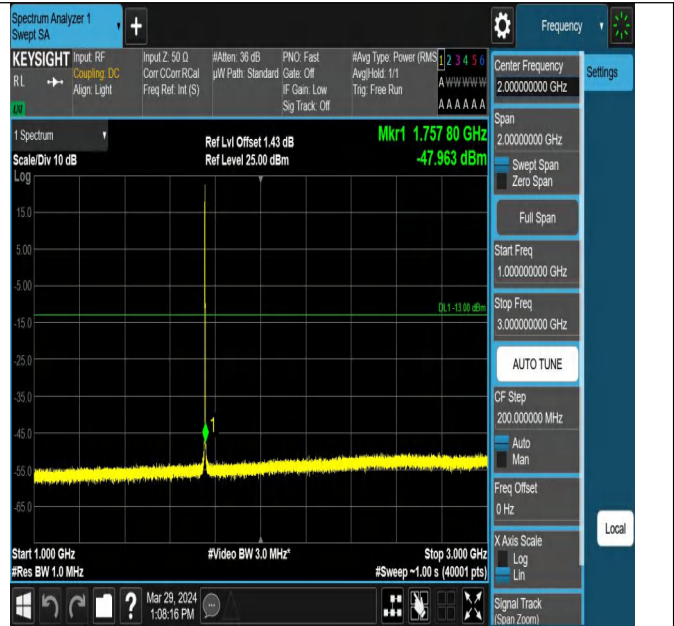
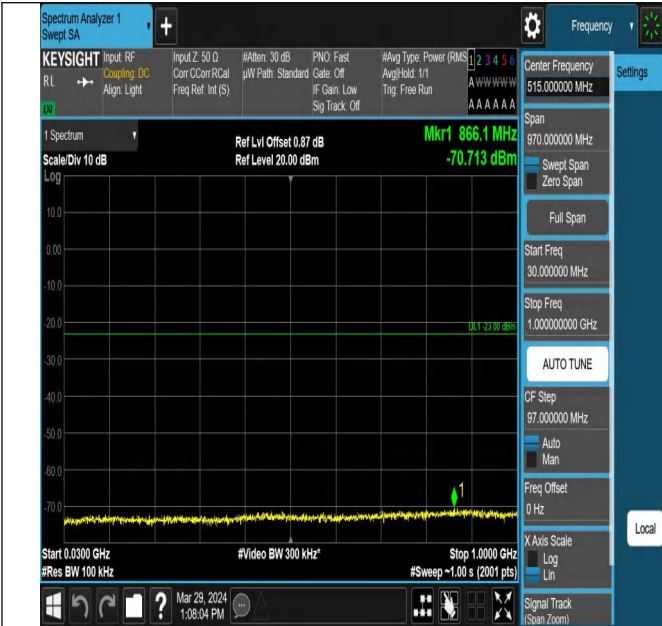


Band4\_1.4MHz\_QPSK\_20393\_1RB#0\_0.009~0.15\_0.009~0.1

5



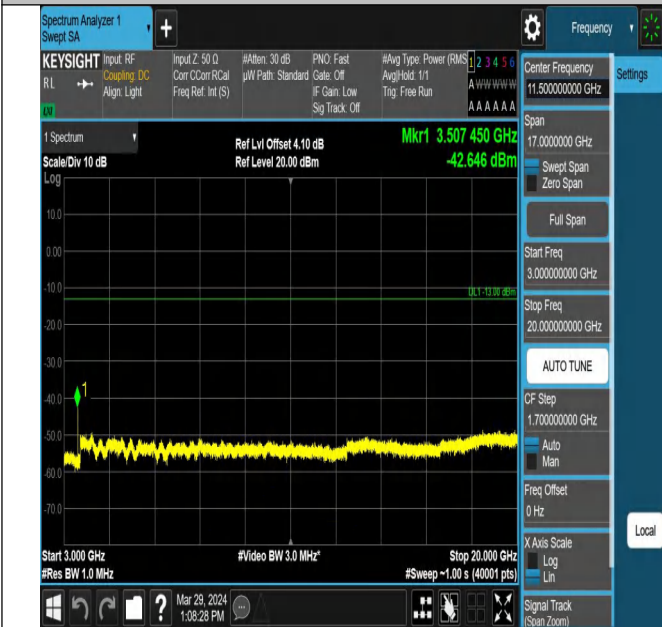
Band4\_1.4MHz\_QPSK\_20393\_1RB#0\_0.15~30\_0.15~30



Band4\_1.4MHz\_QPSK\_20393\_1RB#0\_30~1000\_30~1000

Band4\_1.4MHz\_QPSK\_20393\_1RB#0\_1000~3000\_1000~300

0



Band4\_1.4MHz\_QPSK\_20393\_1RB#0\_3000~20000\_3000~20

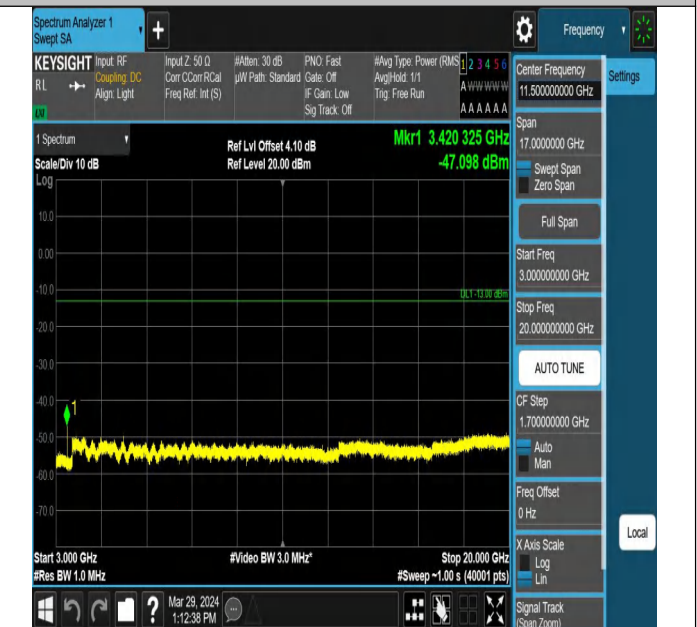
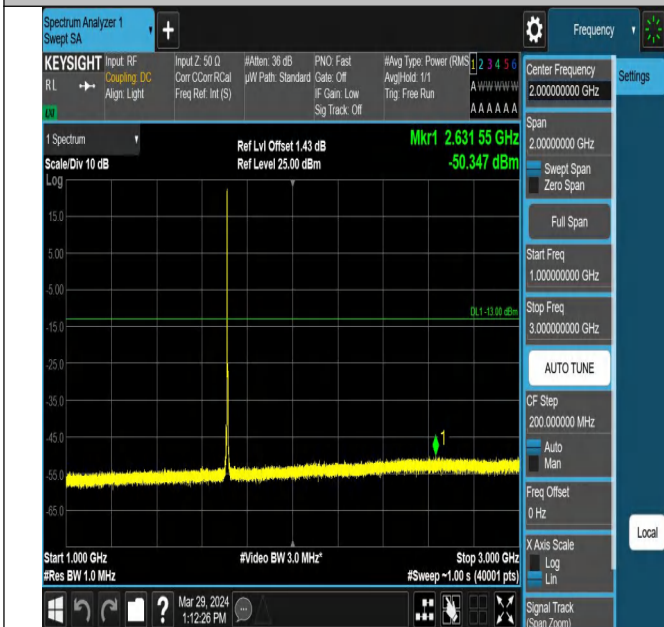
Band4\_3MHz\_QPSK\_19965\_1RB#0\_0.009~0.15\_0.009~0.15

000



Band4\_3MHz\_QPSK\_19965\_1RB#0\_0.15~30\_0.15~30

Band4\_3MHz\_QPSK\_19965\_1RB#0\_30~1000\_30~1000



Band4\_3MHz\_QPSK\_19965\_1RB#0\_1000~3000\_1000~3000

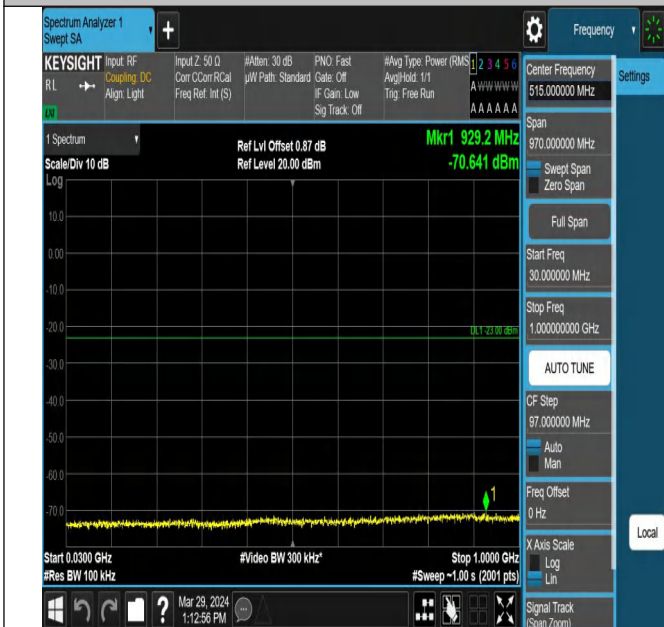
Band4\_3MHz\_QPSK\_19965\_1RB#0\_3000~20000\_3000~2000





Band4\_3MHz\_QPSK\_20175\_1RB#0\_0.009~0.15\_0.009~0.15

Band4\_3MHz\_QPSK\_20175\_1RB#0\_0.15~30\_0.15~30



Band4\_3MHz\_QPSK\_20175\_1RB#0\_30~1000\_30~1000

Band4\_3MHz\_QPSK\_20175\_1RB#0\_1000~3000\_1000~3000