

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.37	25.37	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.9	24.9	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.42	25.42	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.85	24.85	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.45	25.45	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.96	24.96	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.92	24.92	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.96	23.96	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.72	25.72	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.13	25.13	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.6	25.6	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.53	25.53	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.53	25.53	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.4	25.4	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.11	25.11	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.09	24.09	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.49	25.49	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.62	24.62	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.42	25.42	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.86	24.86	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.58	25.58	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.7	24.7	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.03	25.03	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.68	23.68	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.39	25.39	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.09	25.09	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.63	25.63	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.91	24.91	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.6	25.6	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.1	25.1	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.93	24.93	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.84	23.84	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.95	25.95	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.25	25.25	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.87	25.87	PASS

Band4	3MHz	16QAM	20175	1RB#8	23	25	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.97	25.97	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.09	25.09	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.09	25.09	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.88	23.88	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.45	25.45	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.03	25.03	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.63	25.63	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.09	25.09	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.53	25.53	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.76	24.76	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.82	24.82	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.84	23.84	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.53	25.53	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.57	24.57	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.65	25.65	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.64	24.64	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.74	25.74	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.85	24.85	PASS
Band4	5MHz	QPSK	19975	25RB#0	23.06	25.06	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.15	24.15	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.83	25.83	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.05	25.05	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.86	25.86	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.9	24.9	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.85	25.85	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.88	24.88	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.08	25.08	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.12	24.12	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.91	25.91	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.88	24.88	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.52	25.52	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.63	24.63	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.78	25.78	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.93	24.93	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.88	24.88	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.95	23.95	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.68	25.68	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.07	25.07	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.78	25.78	PASS
Band4	10MHz	16QAM	20000	1RB#24	23.2	25.2	PASS

Band4	10MHz	QPSK	20000	1RB#49	23.51	25.51	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.92	24.92	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.94	24.94	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.99	23.99	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.65	25.65	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.88	24.88	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.93	25.93	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.26	25.26	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.74	25.74	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.78	24.78	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.06	25.06	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.04	24.04	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.61	25.61	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.02	25.02	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.79	25.79	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.01	25.01	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.51	25.51	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.15	25.15	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.97	24.97	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.94	23.94	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.46	25.46	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.94	24.94	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.44	25.44	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.94	24.94	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.73	25.73	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.04	25.04	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.98	24.98	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.92	23.92	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.53	25.53	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.15	25.15	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.51	25.51	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.07	25.07	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.69	25.69	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.06	25.06	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.1	25.1	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.08	24.08	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.65	25.65	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.11	25.11	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.46	25.46	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.87	24.87	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.75	25.75	PASS

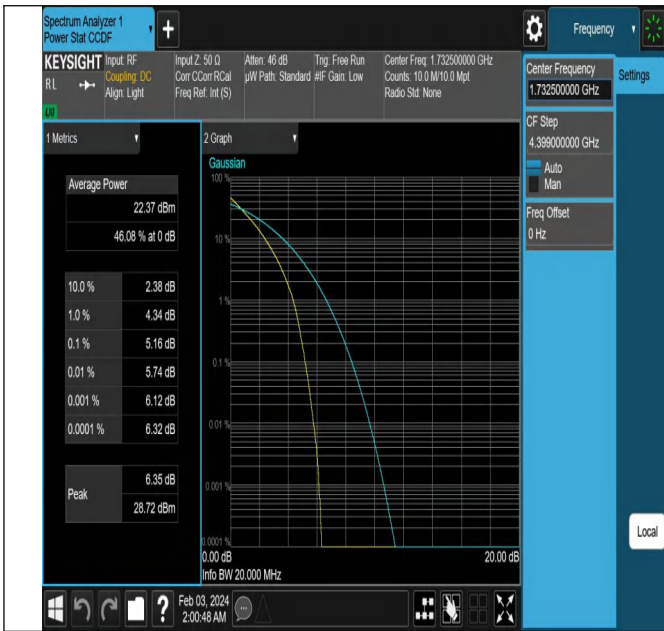
Band4	15MHz	16QAM	20325	1RB#74	23.02	25.02	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.96	24.96	PASS
Band4	15MHz	16QAM	20325	75RB#0	22.02	24.02	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.55	25.55	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.97	24.97	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.02	26.02	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.32	25.32	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.96	25.96	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.27	25.27	PASS
Band4	20MHz	QPSK	20050	100RB#0	23.15	25.15	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.11	24.11	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.67	25.67	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.69	25.69	PASS
Band4	20MHz	QPSK	20175	1RB#49	24	26	PASS
Band4	20MHz	16QAM	20175	1RB#49	24.06	26.06	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.79	25.79	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.61	25.61	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.22	25.22	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.18	24.18	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.78	25.78	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.2	25.2	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.18	26.18	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.39	25.39	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.66	25.66	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.69	24.69	PASS
Band4	20MHz	QPSK	20300	100RB#0	23.12	25.12	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.97	23.97	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	5.16	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.06	13	PASS

Test Graphs



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



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

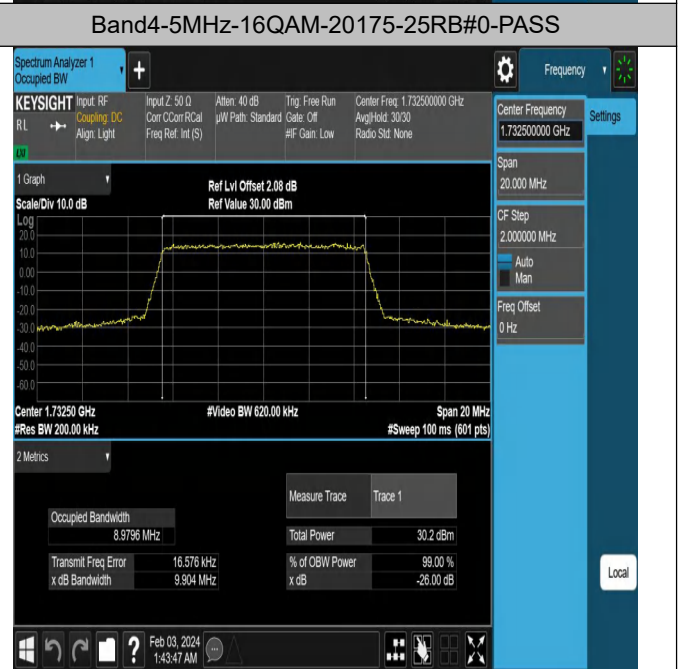
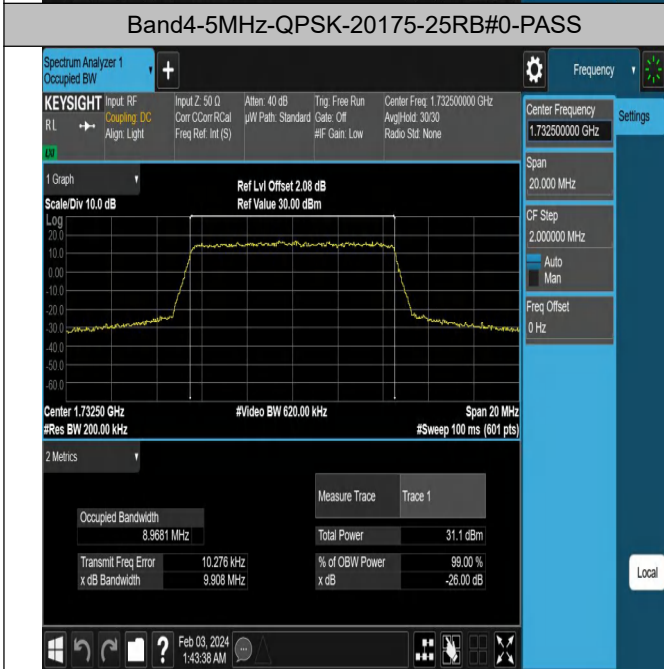
26dB Bandwidth and Occupied Bandwidth

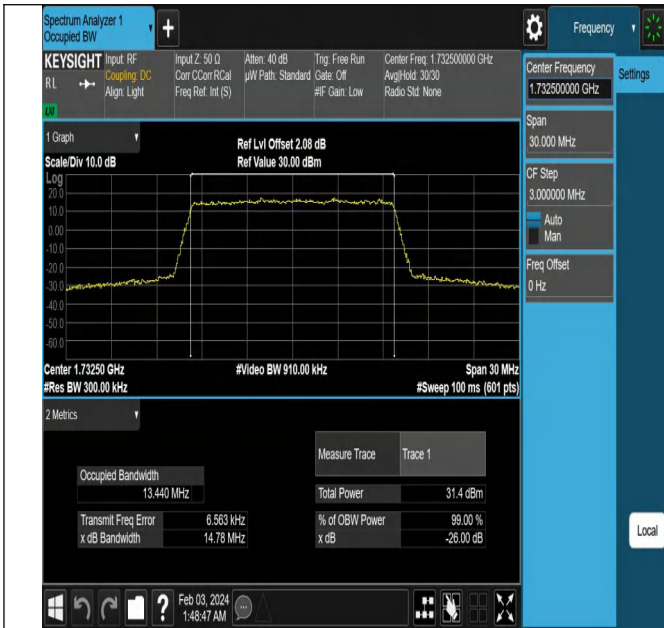
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	1.0940	1.299	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1007	1.304	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6991	2.971	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6952	2.980	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5140	5.030	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5093	4.994	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9681	9.908	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9796	9.904	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.440	14.78	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.429	14.69	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.900	19.42	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.941	19.44	PASS

Test Graphs







Band4-15MHz-QPSK-20175-75RB#0-PASS

Band4-15MHz-16QAM-20175-75RB#0-PASS

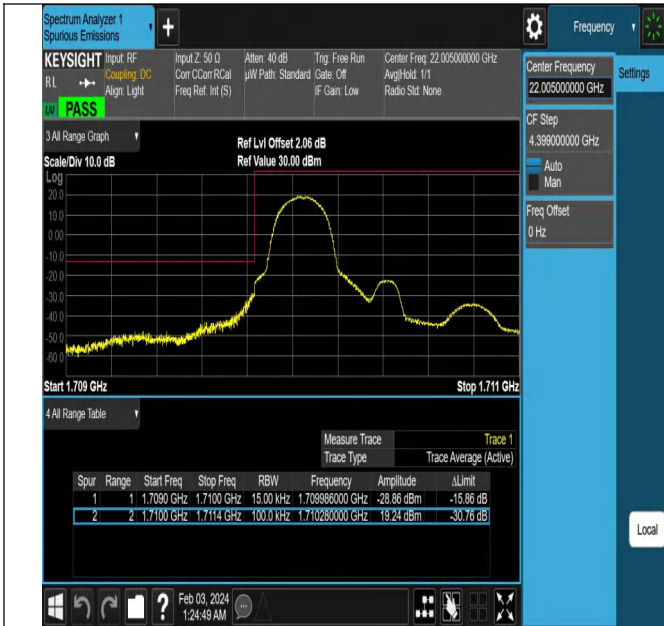


Band4-20MHz-QPSK-20175-100RB#0-PASS

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

Band Edge

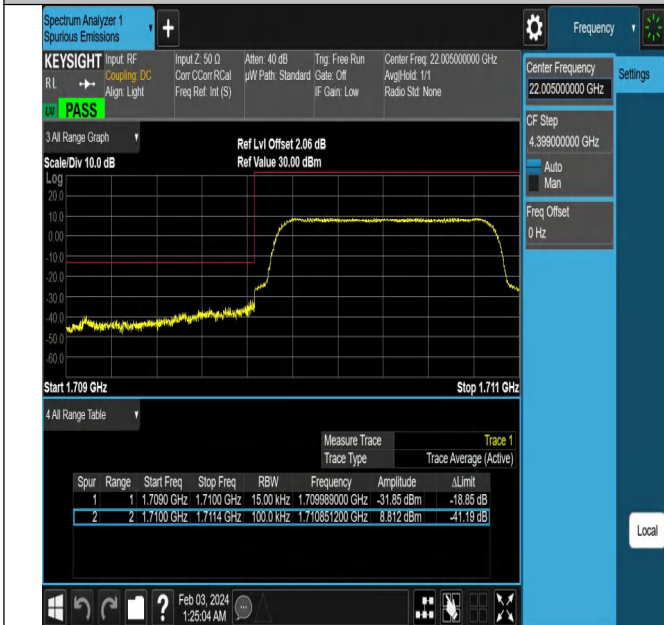
Test Graphs



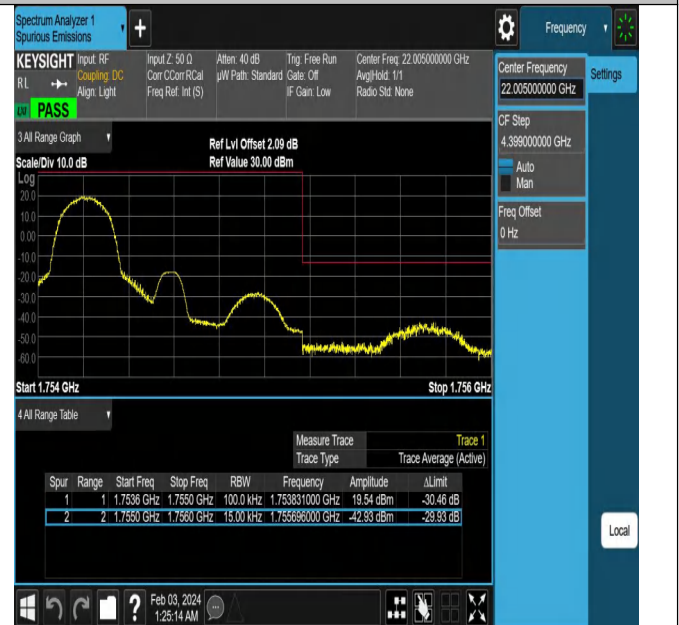
Band4_1.4MHz_QPSK_19957_1RB#0



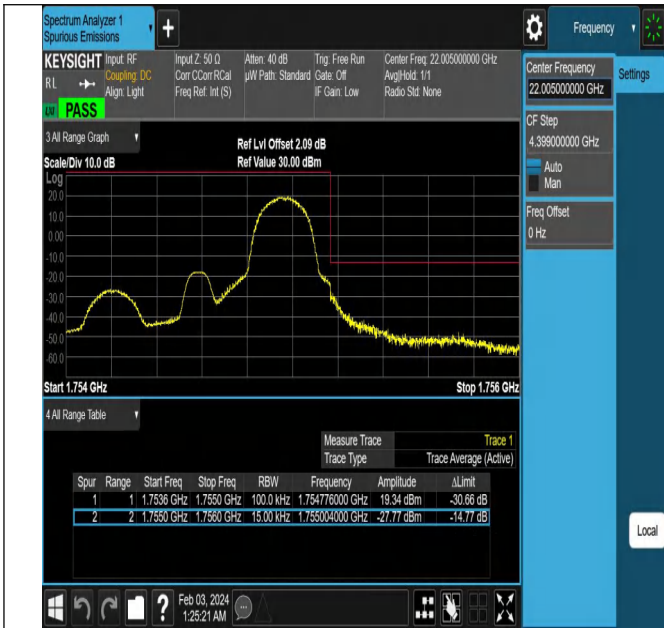
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Band4_1.4MHz_QPSK_19957_6RB#0



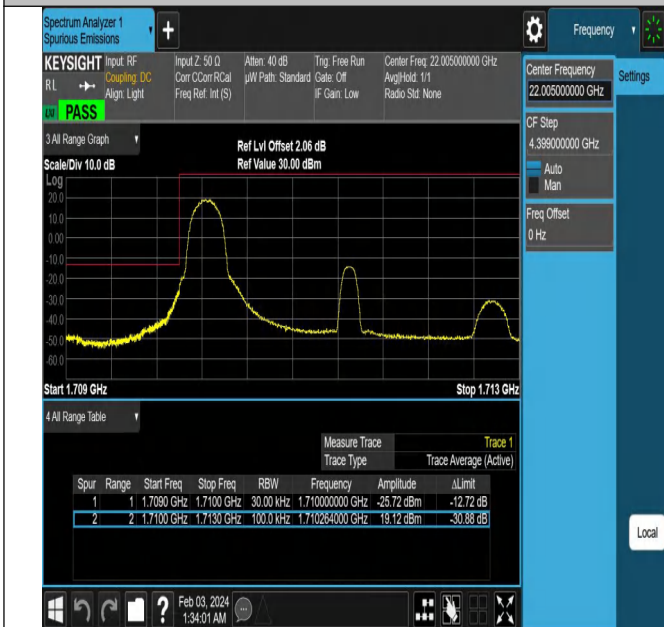
Band4_1.4MHz_QPSK_20393_1RB#0



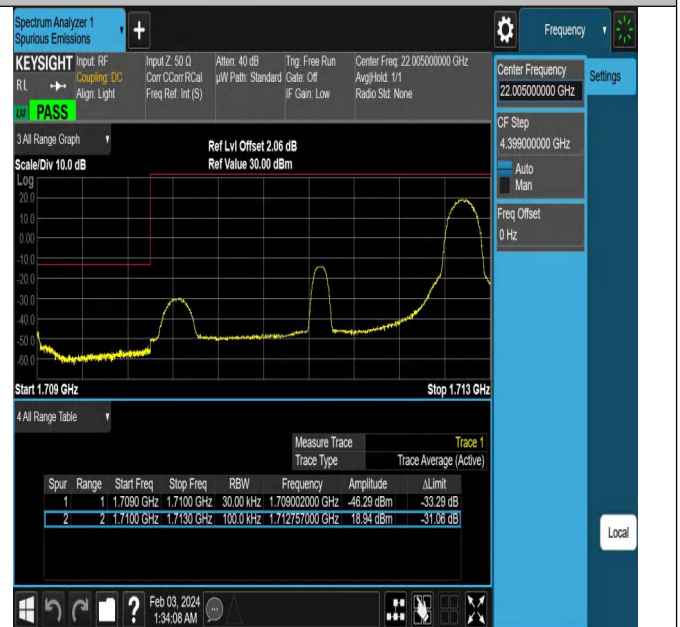
Band4_1.4MHz_QPSK_20393_1RB#5



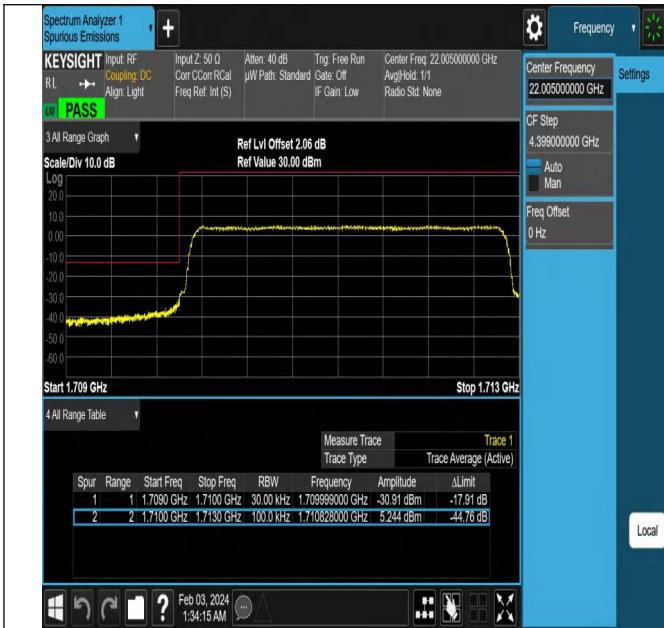
Band4_1.4MHz_QPSK_20393_6RB#0



Band4_3MHz_QPSK_19965_1RB#0



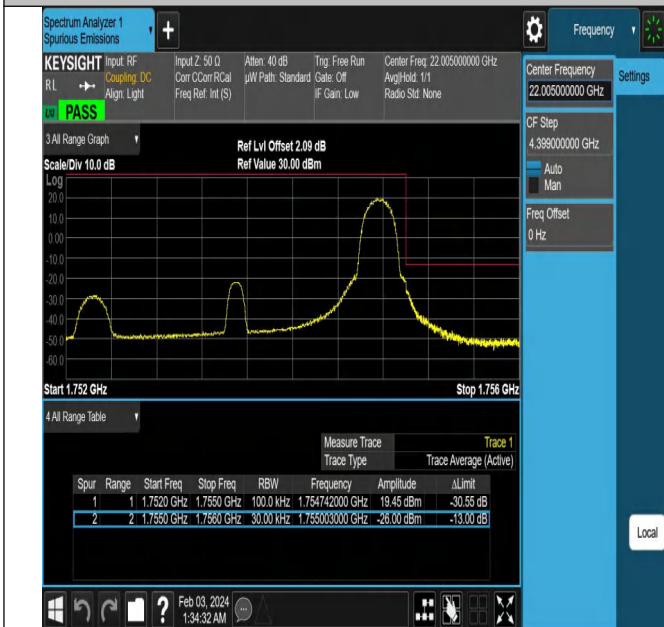
Band4_3MHz_QPSK_19965_1RB#14



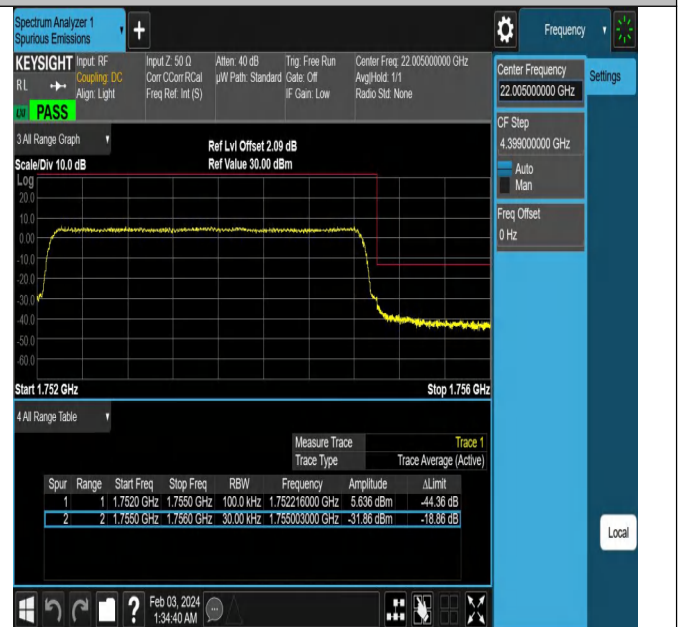
Band4_3MHz_QPSK_19965_15RB#0



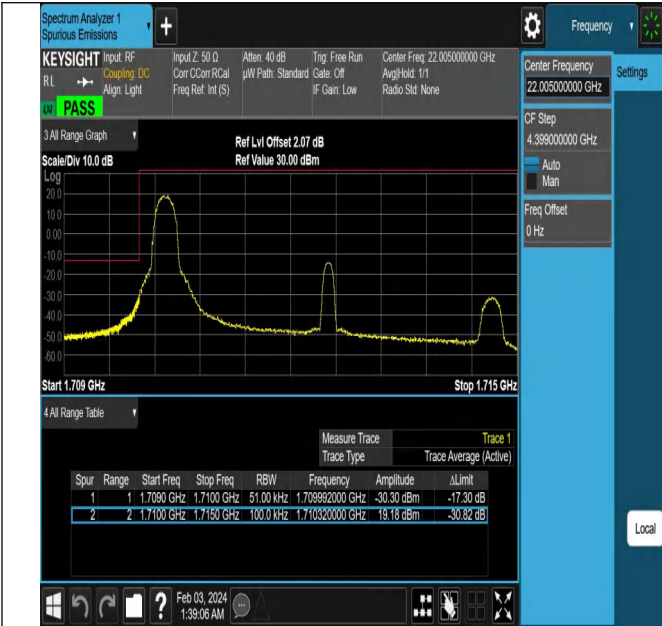
Band4_3MHz_QPSK_20385_1RB#0



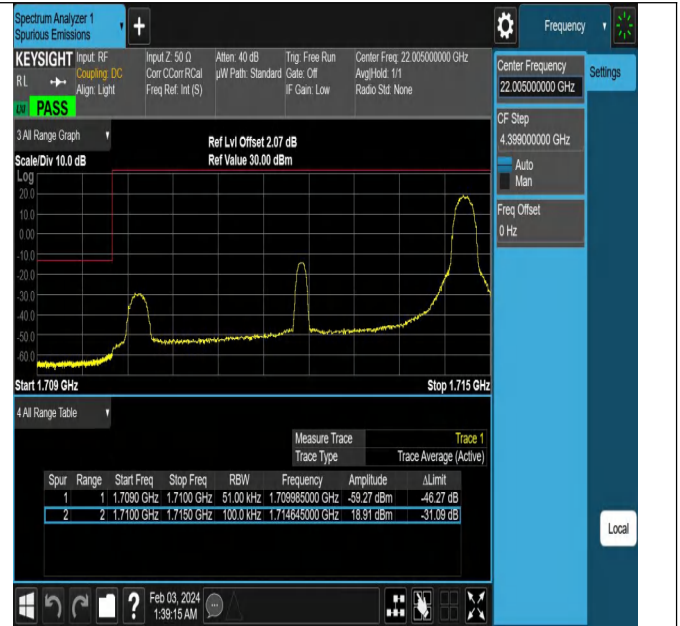
Band4_3MHz_QPSK_20385_1RB#14



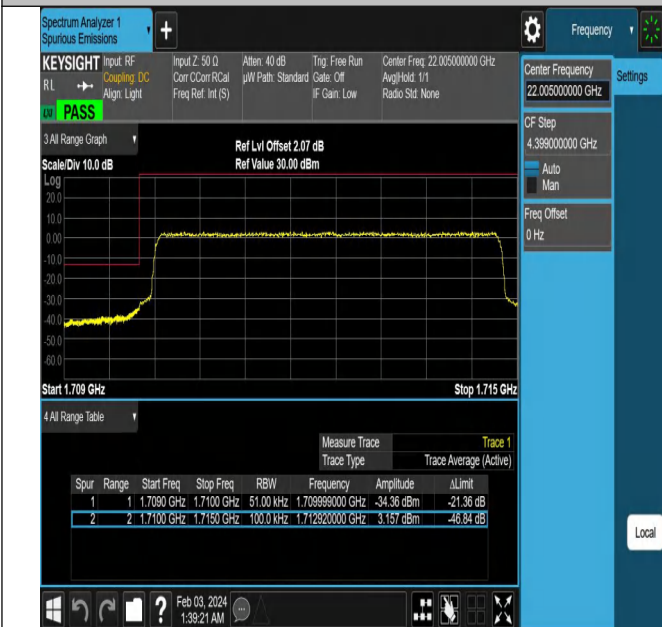
Band4_3MHz_QPSK_20385_15RB#0



Band4_5MHz_QPSK_19975_1RB#0



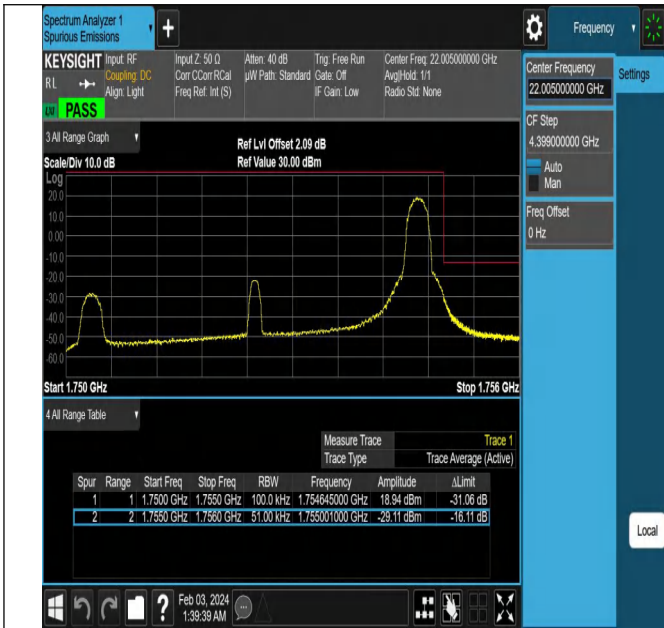
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Band4_5MHz_QPSK_19975_25RB#0



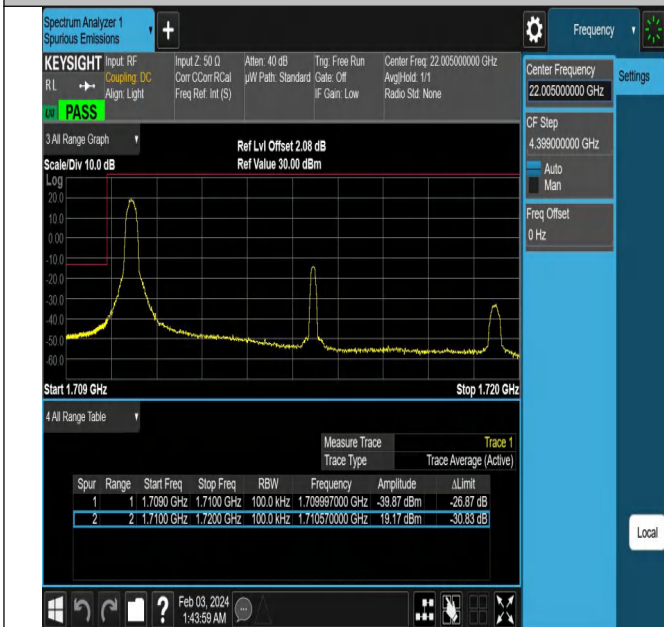
Band4_5MHz_QPSK_20375_1RB#0



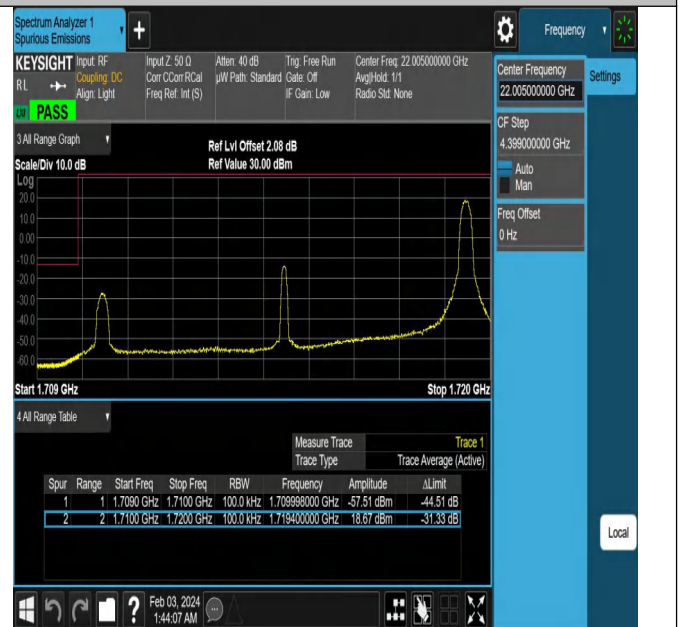
Band4_5MHz_QPSK_20375_1RB#24



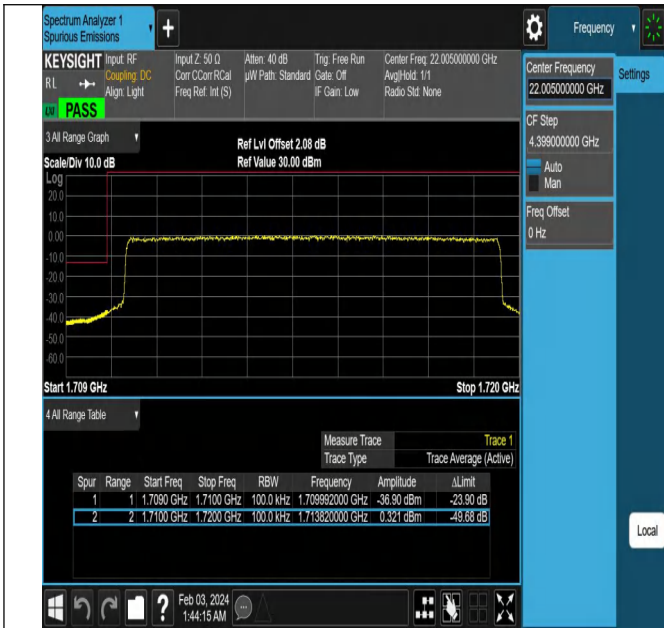
Band4_5MHz_QPSK_20375_25RB#0



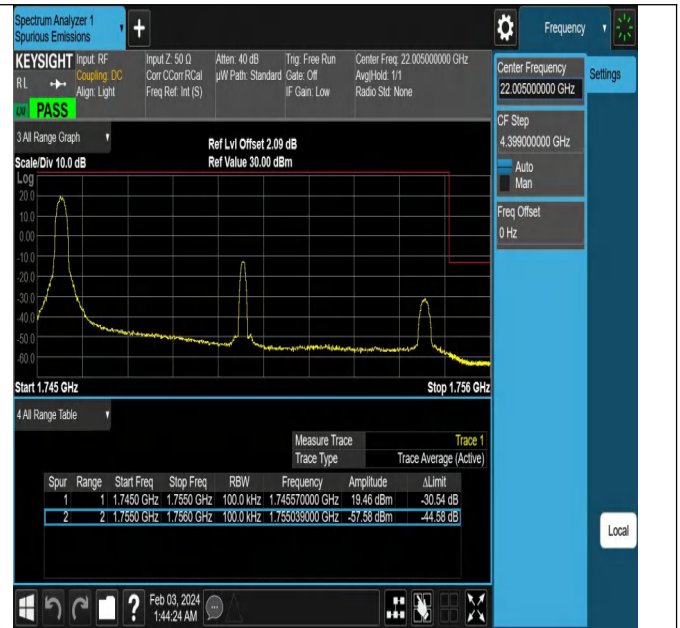
Band4_10MHz_QPSK_20000_1RB#0



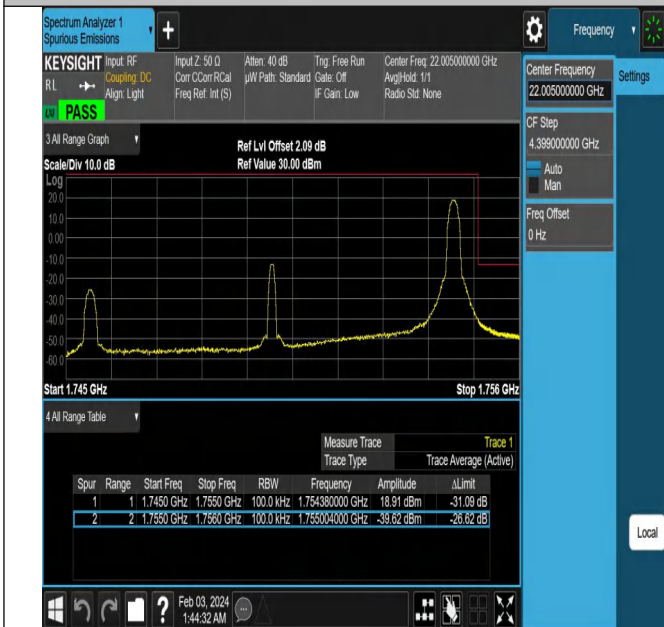
Band4_10MHz_QPSK_20000_1RB#49



Band4_10MHz_QPSK_20000_50RB#0



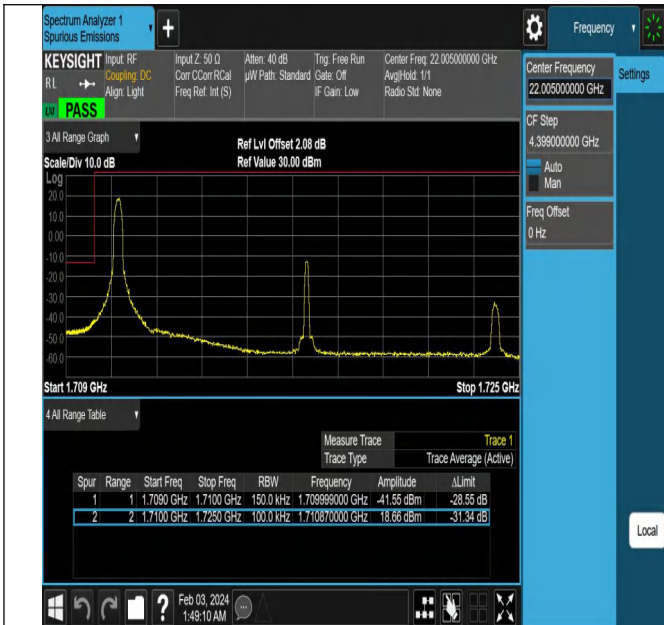
Band4_10MHz_QPSK_20350_1RB#0



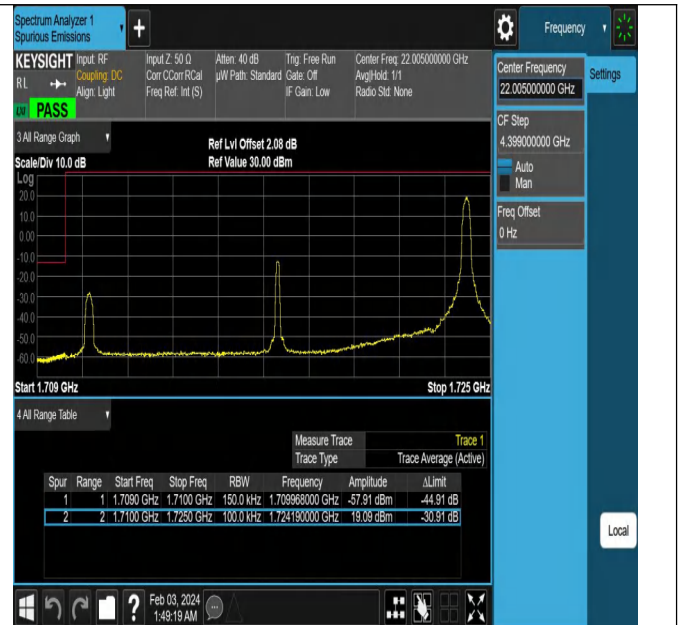
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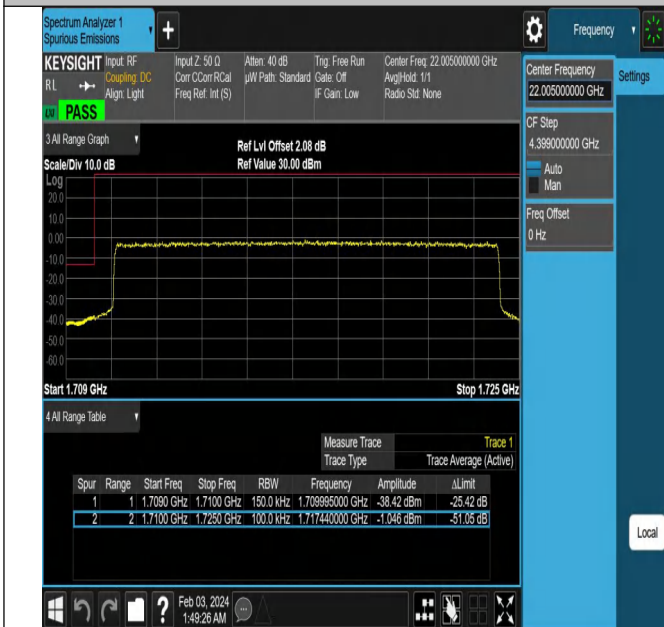
Band4_10MHz_QPSK_20350_50RB#0



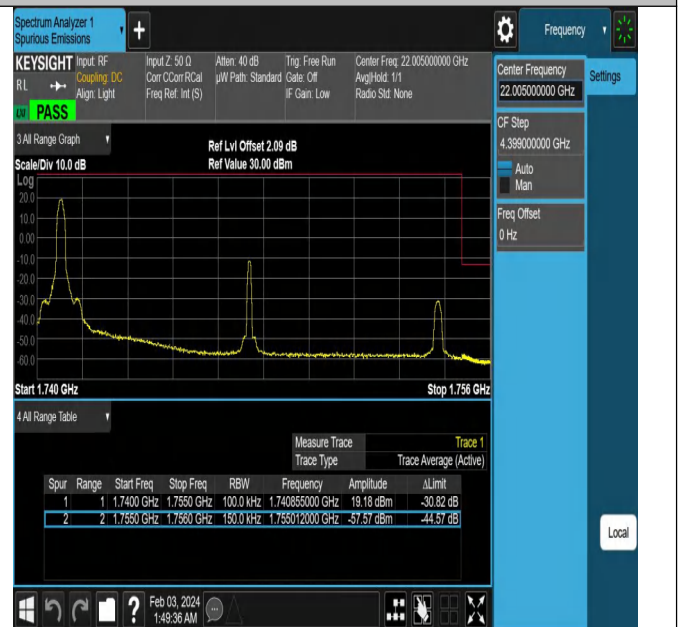
Band4_15MHz_QPSK_2025_1RB#0



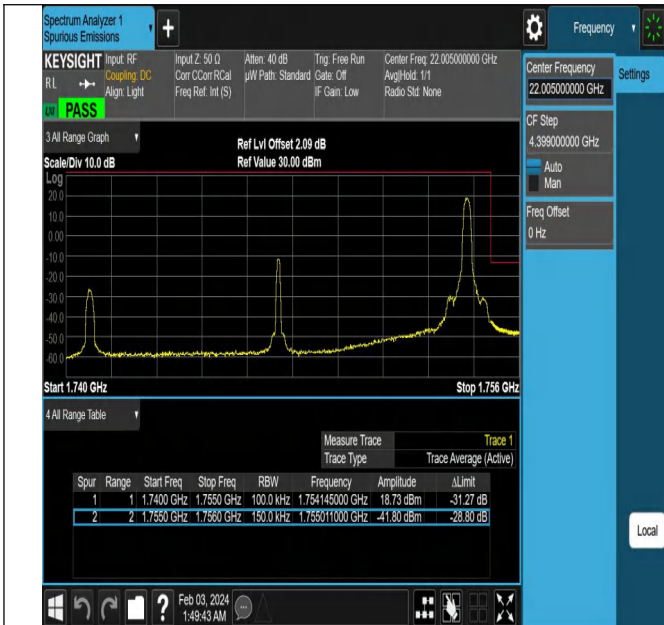
Band4_15MHz_QPSK_2025_1RB#74



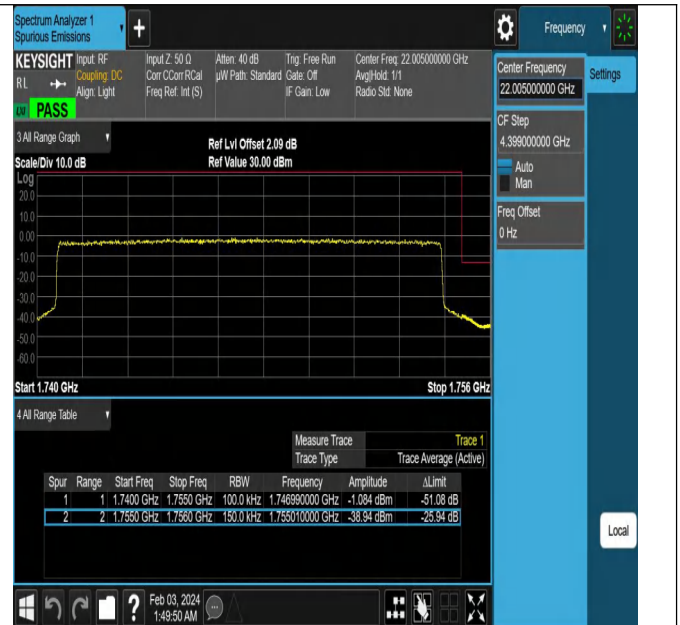
Band4_15MHz_QPSK_2025_75RB#0



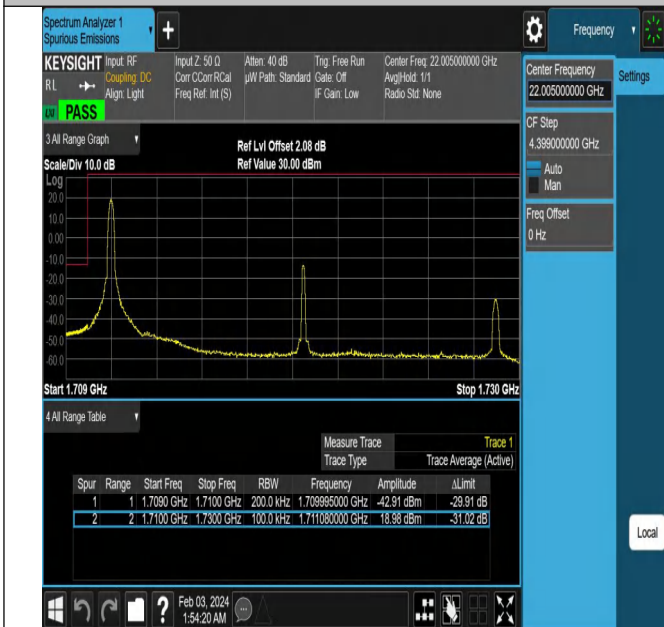
Band4_15MHz_QPSK_20325_1RB#0



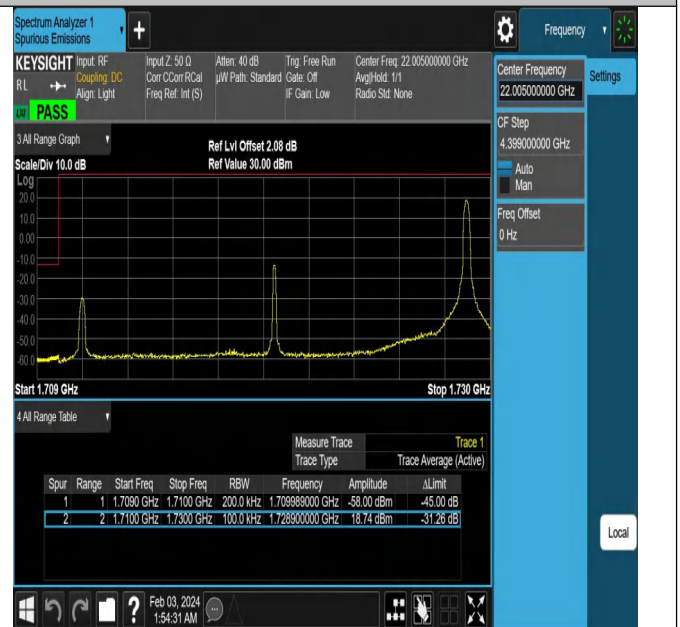
Band_15MHz_QPSK_20325_1RB#74



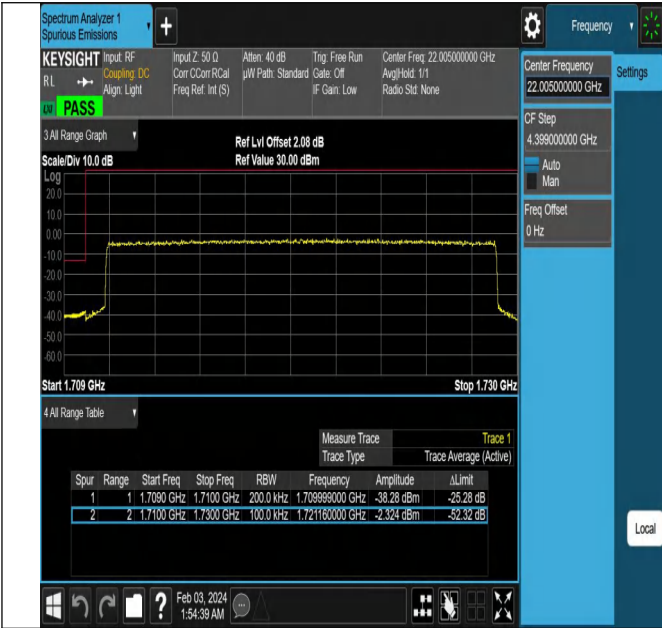
Band_15MHz_QPSK_20325_75RB#0



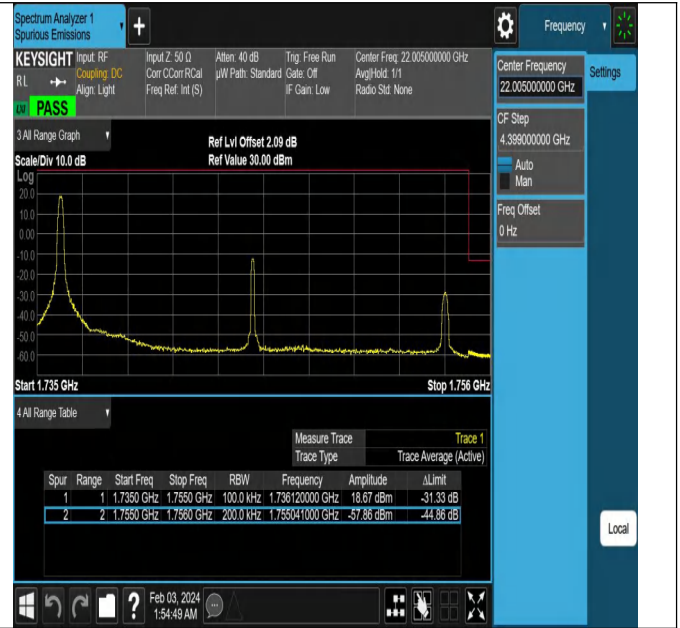
Band4_20MHz_QPSK_20050_1RB#0



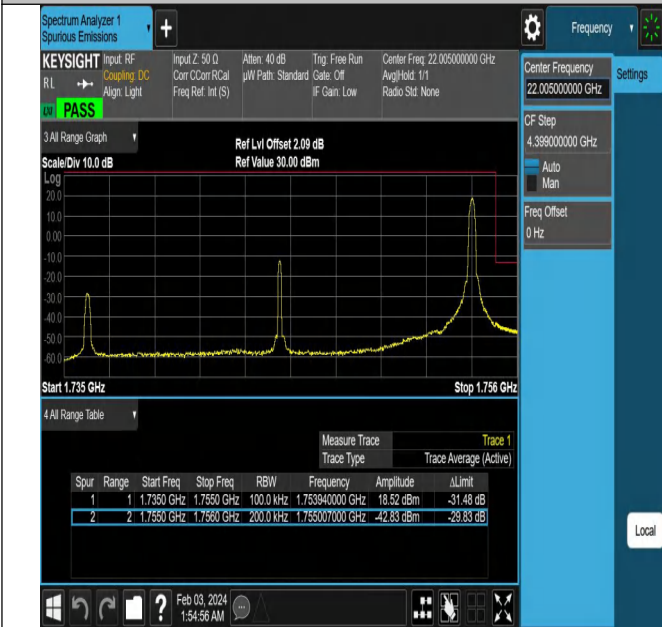
Band4_20MHz_QPSK_20050_1RB#99



Band4_20MHz_QPSK_20050_100RB#0



Band4_20MHz_QPSK_20300_1RB#0



Band4_20MHz_QPSK_20300_1RB#99



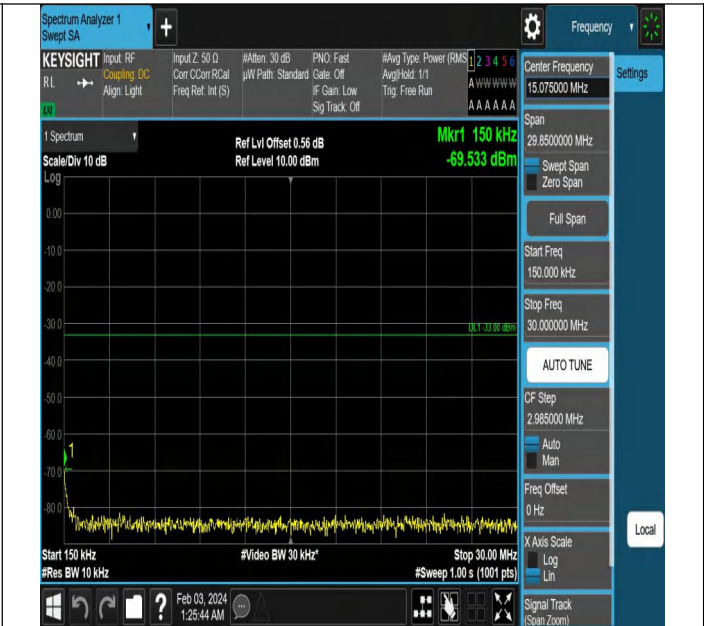
Band4_20MHz_QPSK_20300_100RB#0

Conducted Spurious Emission

Test Graphs



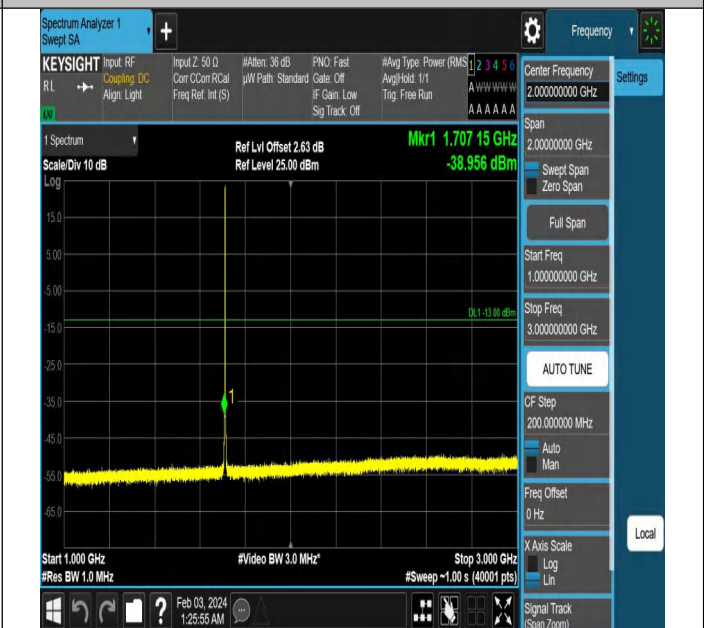
Band4_1.4MHz_QPSK_19957_1RB#0_0.009~0.15_0.009~0.1
5



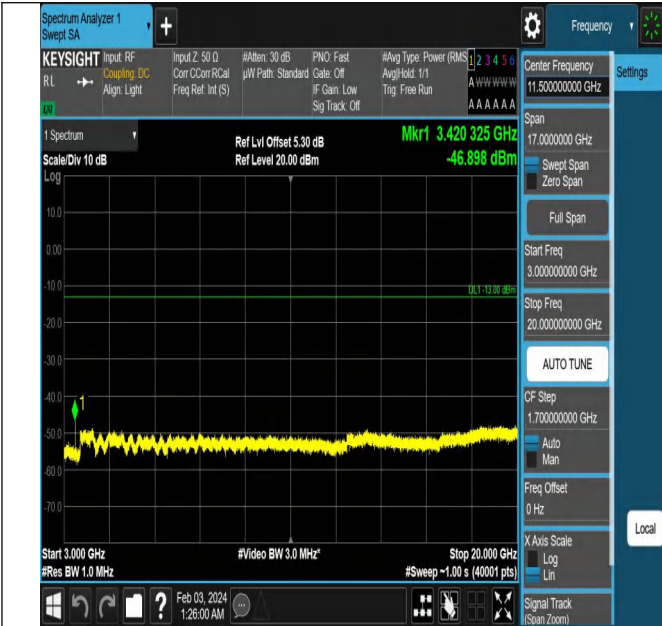
Band4_1.4MHz_QPSK_19957_1RB#0_0.15~30_0.15~30



Band4_1.4MHz_QPSK_19957_1RB#0_30~1000_30~1000



Band4_1.4MHz_QPSK_19957_1RB#0_1000~3000_1000~300
0

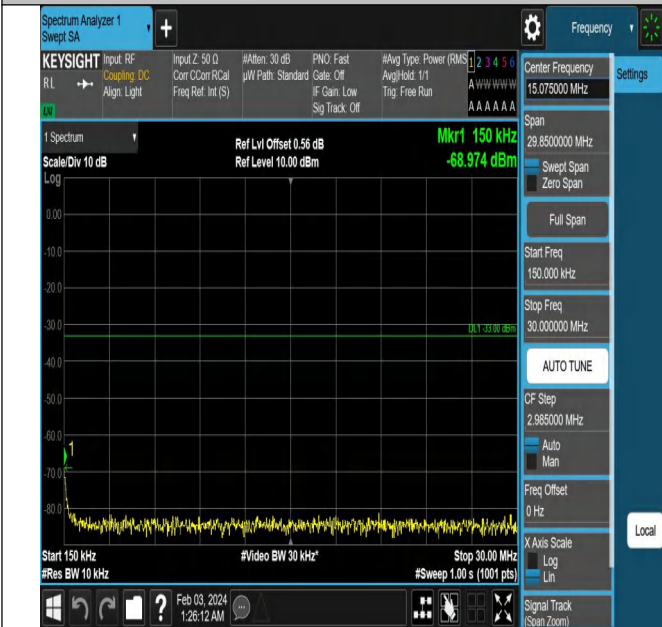


Band4_1.4MHz_QPSK_19957_1RB#0_3000~20000_3000~20

Band4_1.4MHz_QPSK_20175_1RB#0_0.009~0.15_0.009~0.1

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