Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Gain (dBi)	E(I)RP(dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	24.14	2	26.14	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	23.04	2	25.04	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	24.03	2	26.03	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	24.06	2	26.06	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	24.13	2	26.13	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.11	2	25.11	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	24.05	2	26.05	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	24.02	2	26.02	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.20	2	26.2	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.10	2	25.1	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.16	2	26.16	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	24.11	2	26.11	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.15	2	25.15	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.94	2	23.94	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.09	2	25.09	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.05	2	25.05	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.12	2	25.12	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.09	2	24.09	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.16	2	25.16	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.07	2	25.07	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.04	2	25.04	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.04	2	24.04	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.03	2	25.03	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.99	2	24.99	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.80	2	25.8	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.83	2	24.83	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.93	2	25.93	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.66	2	25.66	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.92	2	25.92	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.10	2	25.1	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.13	2	26.13	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.95	2	25.95	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	24.07	2	26.07	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.06	2	25.06	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.19	2	26.19	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.94	2	25.94	30	PASS

Band4	3MHz	16QAM	19965	1RB#0	22.95	2	24.95	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.81	2	23.81	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	23.08	2	25.08	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.84	2	24.84	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.18	2	25.18	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.16	2	24.16	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	23.31	2	25.31	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.13	2	25.13	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.00	2	25	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.07	2	24.07	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.10	2	25.1	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.84	2	24.84	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	24.20	2	26.2	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	23.00	2	25	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	24.03	2	26.03	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.92	2	25.92	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.19	2	26.19	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.18	2	25.18	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.15	2	26.15	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	24.21	2	26.21	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	24.42	2	26.42	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.20	2	25.2	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.28	2	26.28	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.19	2	26.19	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.90	2	24.9	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.95	2	23.95	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.74	2	24.74	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.66	2	24.66	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.91	2	24.91	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.23	2	24.23	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.91	2	24.91	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.99	2	24.99	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.49	2	25.49	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.15	2	24.15	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.38	2	25.38	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.30	2	25.3	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.07	2	26.07	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.98	2	24.98	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.84	2	25.84	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.83	2	25.83	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.14	2	26.14	30	PASS

Band4	10MHz	QPSK	20175	50RB#0	23.32	2	25.32	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.14	2	26.14	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	24.16	2	26.16	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	24.10	2	26.1	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.12	2	25.12	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.10	2	26.1	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.96	2	25.96	30	PASS
Band4	10MHz	16QAM	20000	27RB#0	22.24	2	24.24	30	PASS
Band4	10MHz	16QAM	20175	27RB#0	22.36	2	24.36	30	PASS
Band4	10MHz	16QAM	20350	27RB#0	22.30	2	24.3	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.22	2	25.22	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	23.02	2	25.02	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.02	2	25.02	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.32	2	25.32	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.34	2	25.34	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	23.36	2	25.36	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.01	2	25.01	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.03	2	25.03	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.92	2	24.92	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.96	2	25.96	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	23.02	2	25.02	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.90	2	25.9	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.00	2	26	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	24.20	2	26.2	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.34	2	25.34	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.21	2	26.21	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	24.23	2	26.23	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.17	2	26.17	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.20	2	25.2	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.07	2	26.07	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	24.05	2	26.05	30	PASS
Band4	15MHz	16QAM	20025	27RB#0	22.12	2	24.12	30	PASS
Band4	15MHz	16QAM	20175	27RB#0	22.36	2	24.36	30	PASS
Band4	15MHz	16QAM	20325	27RB#0	22.14	2	24.14	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.25	2	25.25	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.09	2	25.09	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.19	2	25.19	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.37	2	25.37	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.41	2	25.41	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.41	2	25.41	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.08	2	25.08	30	PASS

Band4	15MHz	16QAM	20325	1RB#38	23.02	2	25.02	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.02	2	25.02	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.97	2	25.97	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	23.07	2	25.07	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.04	2	26.04	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.91	2	25.91	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.21	2	26.21	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.25	2	25.25	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.29	2	26.29	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	24.25	2	26.25	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	24.20	2	26.2	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	23.35	2	25.35	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.28	2	26.28	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.18	2	26.18	30	PASS
Band4	20MHz	16QAM	20050	27RB#0	22.06	2	24.06	30	PASS
Band4	20MHz	16QAM	20175	27RB#0	22.28	2	24.28	30	PASS
Band4	20MHz	16QAM	20300	27RB#0	22.35	2	24.35	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.02	2	25.02	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.99	2	24.99	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.01	2	25.01	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.19	2	25.19	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.26	2	25.26	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.23	2	25.23	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.67	2	25.67	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.69	2	25.69	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.59	2	25.59	30	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	5.01	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.96	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.30	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.05	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.27	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.96	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.21	13	PASS
Band4	10MHz	16QAM	20175	27RB#0	5.78	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.47	13	PASS
Band4	15MHz	16QAM	20175	27RB#0	5.74	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.26	13	PASS
Band4	20MHz	16QAM	20175	27RB#0	5.82	13	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

Band4-5MHz-QPSK-20175-25RB#0-PASS

Band4-5MHz-16QAM-20175-25RB#0-PASS

Band4-10MHz-QPSK-20175-50RB#0-PASS

Band4-10MHz-16QAM-20175-27RB#0-PASS

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

Band4-15MHz-16QAM-20175-27RB#0-PASS

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

Band4-20MHz-16QAM-20175-27RB#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	1.0946	1.276	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0968	1.300	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6903	2.960	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6936	2.941	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5127	5.227	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5152	5.153	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0018	10.27	PASS
Band4	10MHz	16QAM	20175	27RB#0	5.0349	6.300	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.508	15.41	PASS
Band4	15MHz	16QAM	20175	27RB#0	5.1989	6.973	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.009	20.03	PASS
Band4	20MHz	16QAM	20175	27RB#0	5.3974	7.118	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

Band4-5MHz-QPSK-20175-25RB#0-PASS

Band4-5MHz-16QAM-20175-25RB#0-PASS

Band4-10MHz-QPSK-20175-50RB#0-PASS

Band4-10MHz-16QAM-20175-27RB#0-PASS

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

Band4-15MHz-16QAM-20175-27RB#0-PASS

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

Band4-20MHz-16QAM-20175-27RB#0-PASS

Band Edge

Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0-PASS

Band4-1.4MHz-QPSK-19957-1RB#5-PASS

Band4-1.4MHz-QPSK-19957-6RB#0-PASS

Band4-1.4MHz-QPSK-20393-1RB#0-PASS

Band4-1.4MHz-QPSK-20393-1RB#5-PASS

Band4-1.4MHz-QPSK-20393-6RB#0-PASS

Band4-3MHz-QPSK-19965-1RB#0-PASS

Band4-3MHz-QPSK-19965-1RB#14-PASS

Band4-3MHz-QPSK-19965-15RB#0-PASS

Band4-3MHz-QPSK-20385-1RB#0-PASS

Band4-3MHz-QPSK-20385-1RB#14-PASS

Band4-3MHz-QPSK-20385-15RB#0-PASS

Band4-5MHz-QPSK-19975-1RB#0-PASS

Band4-5MHz-QPSK-19975-1RB#24-PASS

Band4-5MHz-QPSK-19975-25RB#0-PASS

Band4-5MHz-QPSK-20375-1RB#0-PASS

Band4-5MHz-QPSK-20375-1RB#24-PASS

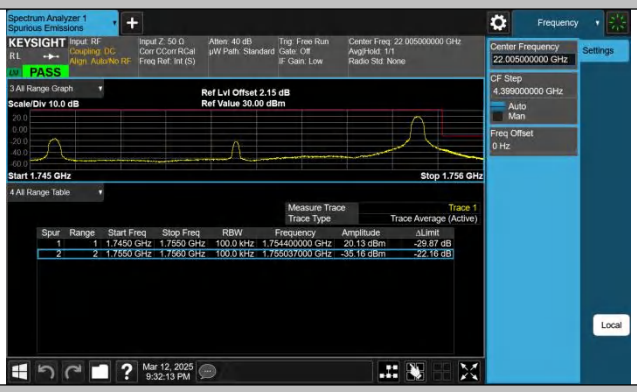
Band4-5MHz-QPSK-20375-25RB#0-PASS

Band4-10MHz-QPSK-20000-1RB#0-PASS

Band4-10MHz-QPSK-20000-1RB#49-PASS

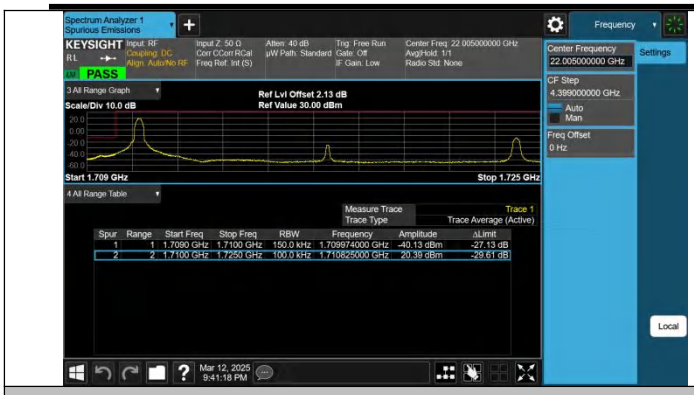
Band4-10MHz-QPSK-20000-50RB#0-PASS

Band4-10MHz-QPSK-20350-1RB#0-PASS



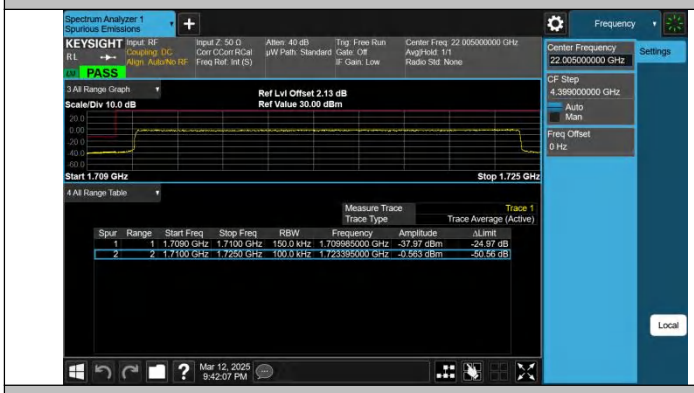
Band4-10MHz-QPSK-20350-1RB#49-PASS

Band4-10MHz-QPSK-20350-50RB#0-PASS



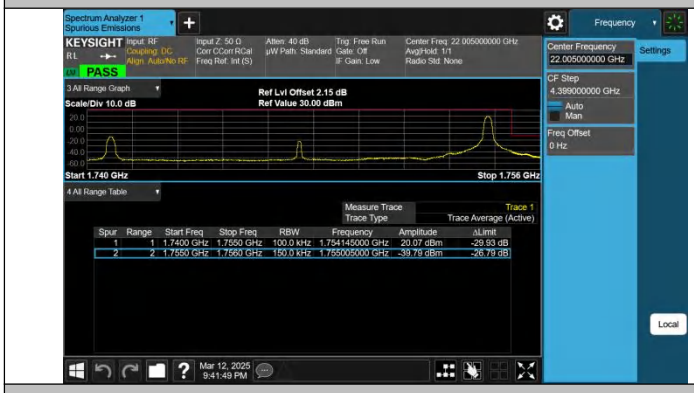
Band4-15MHz-QPSK-20025-1RB#0-PASS

Band4-15MHz-QPSK-20025-1RB#74-PASS



Band4-15MHz-QPSK-20025-75RB#0-PASS

Band4-15MHz-QPSK-20325-1RB#0-PASS



Band4-15MHz-QPSK-20325-1RB#74-PASS

Band4-15MHz-QPSK-20325-75RB#0-PASS

Band4-20MHz-QPSK-20050-1RB#0-PASS

Band4-20MHz-QPSK-20050-1RB#99-PASS

Band4-20MHz-QPSK-20050-100RB#0-PASS

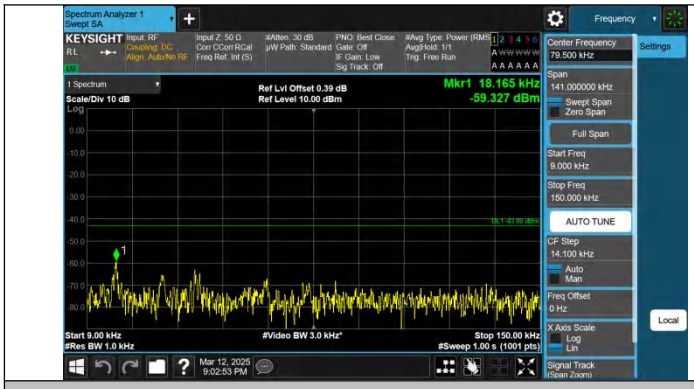
Band4-20MHz-QPSK-20300-1RB#0-PASS

Band4-20MHz-QPSK-20300-1RB#99-PASS

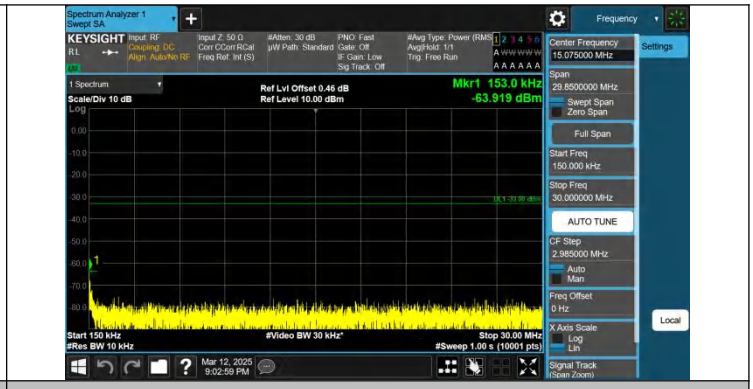
Band4-20MHz-QPSK-20300-100RB#0-PASS

Conducted Spurious Emission

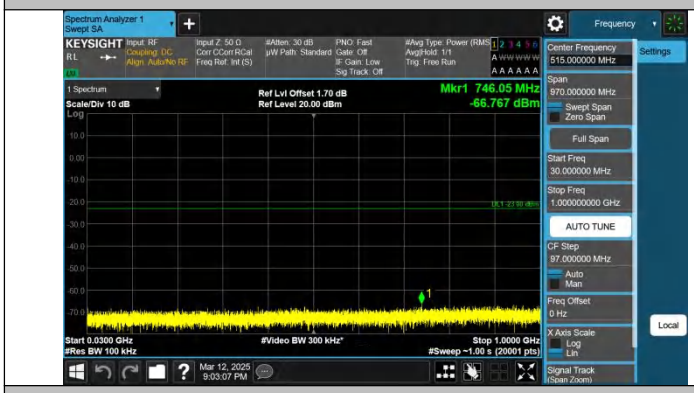
Test Graphs



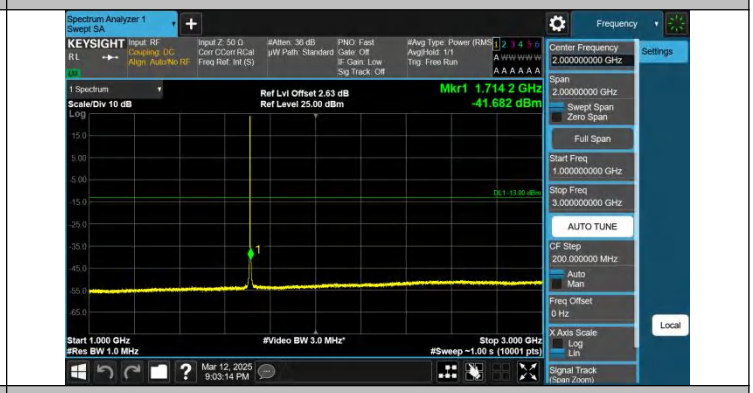
Band4-1.4MHz-QPSK-19957-1RB#0-0.009~0.15-PASS



Band4-1.4MHz-QPSK-19957-1RB#0-0.15~30-PASS



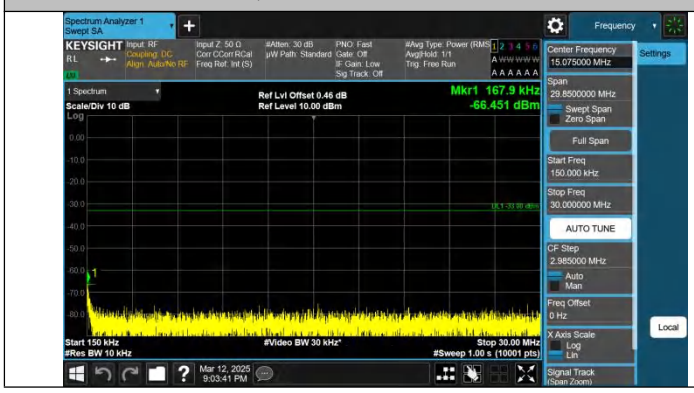
Band4-1.4MHz-QPSK-19957-1RB#0-30~1000-PASS



Band4-1.4MHz-QPSK-19957-1RB#0-1000~3000-PASS

Band4-1.4MHz-QPSK-19957-1RB#0-3000~20000-PASS

Band4-1.4MHz-QPSK-19957-1RB#5-0.009~0.15-PASS



Band4-1.4MHz-QPSK-19957-1RB#5-0.15~30-PASS

Band4-1.4MHz-QPSK-19957-1RB#5-30~1000-PASS

Band4-1.4MHz-QPSK-19957-1RB#5-1000~3000-PASS

Band4-1.4MHz-QPSK-19957-1RB#5-3000~20000-PASS

Band4-1.4MHz-QPSK-20175-1RB#0-0.009~0.15-PASS

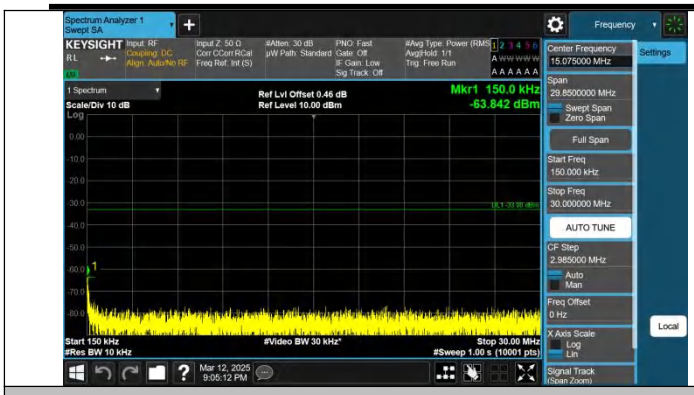
Band4-1.4MHz-QPSK-20175-1RB#0-0.15~30-PASS

Band4-1.4MHz-QPSK-20175-1RB#0-30~1000-PASS

Band4-1.4MHz-QPSK-20175-1RB#0-1000~3000-PASS

Band4-1.4MHz-QPSK-20175-1RB#0-3000~20000-PASS

Band4-1.4MHz-QPSK-20175-1RB#5-0.009~0.15-PASS

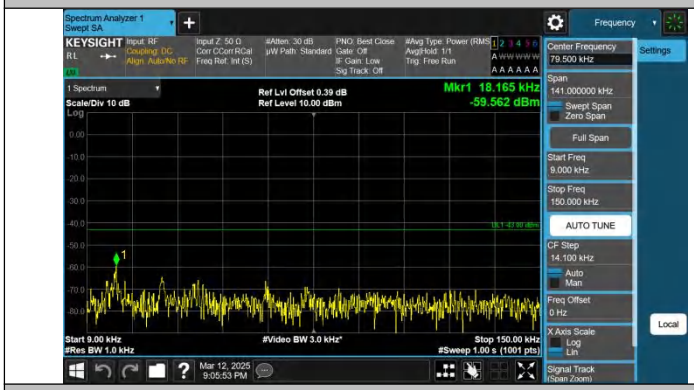


Band4-1.4MHz-QPSK-20175-1RB#5-0.15~30-PASS

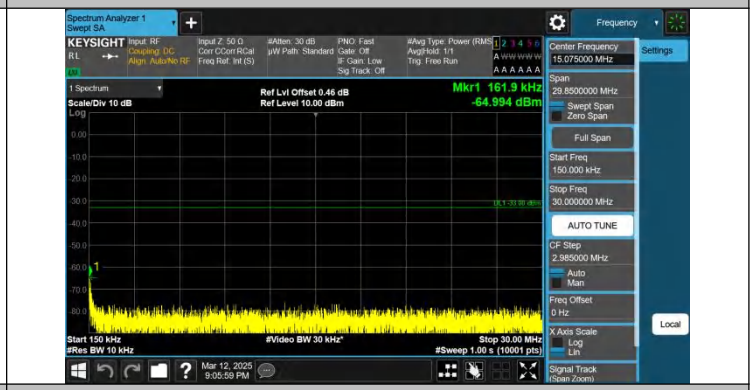
Band4-1.4MHz-QPSK-20175-1RB#5-30~1000-PASS

Band4-1.4MHz-QPSK-20175-1RB#5-1000~3000-PASS

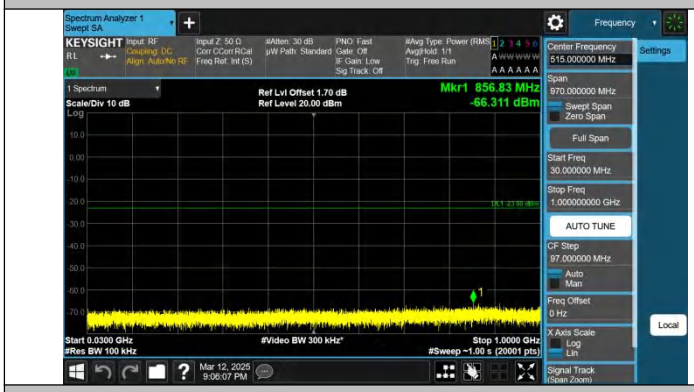
Band4-1.4MHz-QPSK-20175-1RB#5-3000~20000-PASS



Band4-1.4MHz-QPSK-20393-1RB#0-0.009~0.15-PASS



Band4-1.4MHz-QPSK-20393-1RB#0-0.15~30-PASS

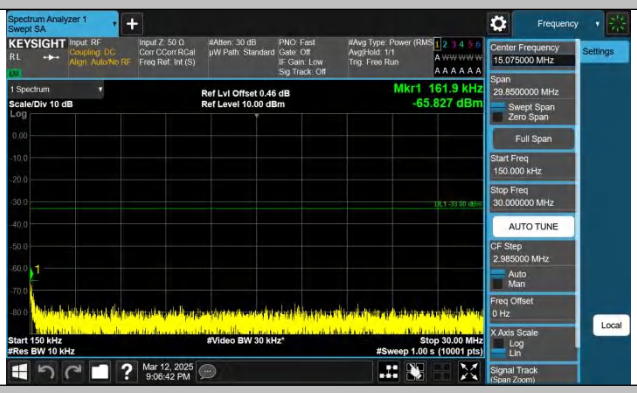


Band4-1.4MHz-QPSK-20393-1RB#0-30~1000-PASS

Band4-1.4MHz-QPSK-20393-1RB#0-1000~3000-PASS

Band4-1.4MHz-QPSK-20393-1RB#0-3000~20000-PASS

Band4-1.4MHz-QPSK-20393-1RB#5-0.009~0.15-PASS



Band4-1.4MHz-QPSK-20393-1RB#5-0.15~30-PASS

Band4-1.4MHz-QPSK-20393-1RB#5-30~1000-PASS

Band4-1.4MHz-QPSK-20393-1RB#5-1000~3000-PASS

Band4-1.4MHz-QPSK-20393-1RB#5-3000~20000-PASS

Band4-3MHz-QPSK-19965-1RB#0-0.009~0.15-PASS

Band4-3MHz-QPSK-19965-1RB#0-0.15~30-PASS

Band4-3MHz-QPSK-19965-1RB#0-30~1000-PASS

Band4-3MHz-QPSK-19965-1RB#0-1000~3000-PASS

Band4-3MHz-QPSK-19965-1RB#0-3000~20000-PASS

Band4-3MHz-QPSK-19965-1RB#14-0.009~0.15-PASS

Band4-3MHz-QPSK-19965-1RB#14-0.15~30-PASS

Band4-3MHz-QPSK-19965-1RB#14-30~1000-PASS

Band4-3MHz-QPSK-19965-1RB#14-1000~3000-PASS

Band4-3MHz-QPSK-19965-1RB#14-3000~20000-PASS