Appendix K: Test Data for E-UTRA Band 12

Product Name: Fixed wireless phone

Test Model: HP15

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Nick Peng

K.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.69	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.32	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.68	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.30	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.63	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.78	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.68	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.93	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.66	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.91	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.63	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.25	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.72	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.00	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.36	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.73	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.82	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.03	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.83	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.78	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.83	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.56	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.67	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.60	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.78	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.11	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.72	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.13	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.69	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.57	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.62	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.45	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.65	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.55	PASS

Band12	1.4MHz	QPSK	23173	3RB#1	23.69	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.74	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.73	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.75	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.81	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.05	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.49	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.38	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.47	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.37	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.46	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.55	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.74	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.96	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.75	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.06	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.66	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.96	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.70	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.84	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.62	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.27	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.35	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.66	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.71	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.66	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.59	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.93	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.62	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.08	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.55	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.00	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.67	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.67	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.54	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.09	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.56	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.96	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.52	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.33	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.56	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.98	PASS

Band12	3MHz	QPSK	23165	8RB#4	22.57	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.98	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.59	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.51	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.75	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.72	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.08	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.68	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.23	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.56	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.10	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.58	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.81	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.74	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.80	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.59	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.83	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.57	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.87	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.37	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.91	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.46	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.90	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.41	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.89	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.70	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.73	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.66	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.73	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.57	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.71	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.58	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.81	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.37	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.38	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.37	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.68	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.62	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.57	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.60	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.79	PASS

Band12	5MHz	QPSK	23155	12RB#6	22.55	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.65	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.62	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.68	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.63	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.75	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.42	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.34	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.30	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.44	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.32	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.38	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.69	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.71	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.54	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.71	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.67	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.65	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.61	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.79	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.68	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.60	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.66	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.60	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.54	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.42	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.56	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.83	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.72	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.83	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.70	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.82	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.39	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.40	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.33	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.39	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.28	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.30	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.29	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.50	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.76	PASS

Band12	10MHz	QPSK	23130	25RB#12	22.51	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.69	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.55	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.81	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.79	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.67	PASS

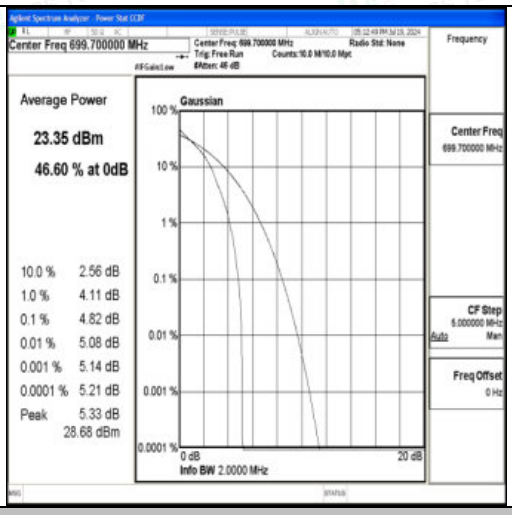
K.2 Peak-to-Average Ratio(CCDF)

Test Result

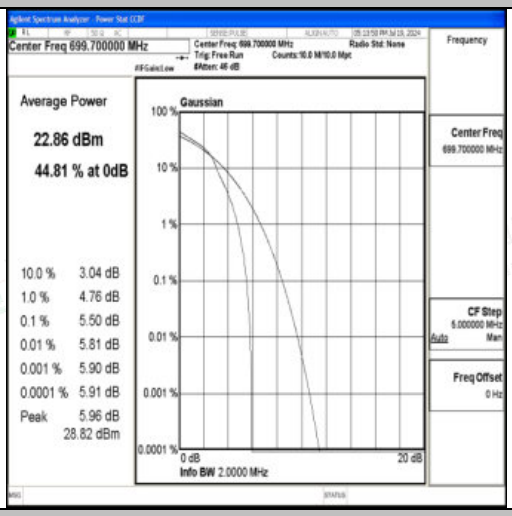
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.82	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.50	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.49	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.27	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.80	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.27	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.50	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.24	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.29	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.91	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.03	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.71	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.96	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.80	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.54	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.31	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.92	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.76	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.55	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.30	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.61	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.44	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.18	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.94	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.03	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.81	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.65	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.29	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.94	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.80	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.61	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.26	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.84	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.74	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.40	13	PASS

Band12	5MHz	16QAM	23155	25RB#0	6.08	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.92	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.68	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.63	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.33	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.97	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.68	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.63	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.33	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.91	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.62	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.56	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.23	13	PASS

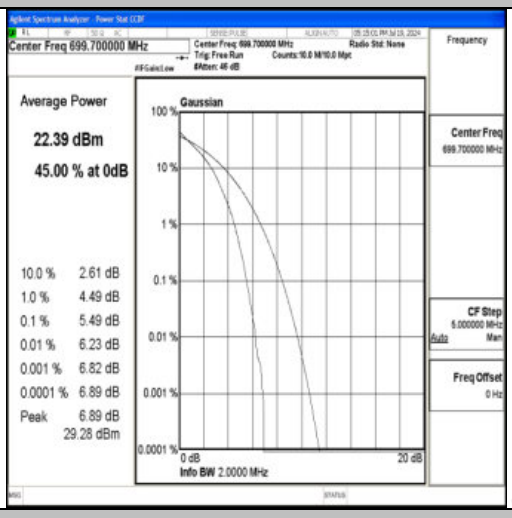
Test Graphs



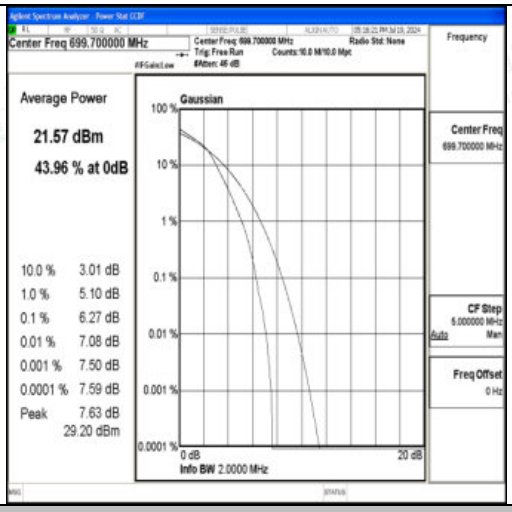
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



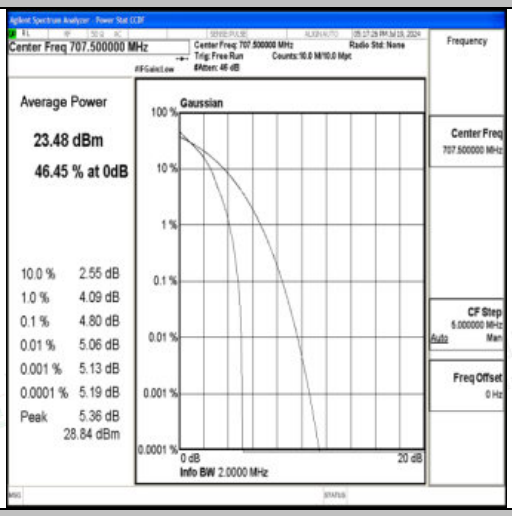
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



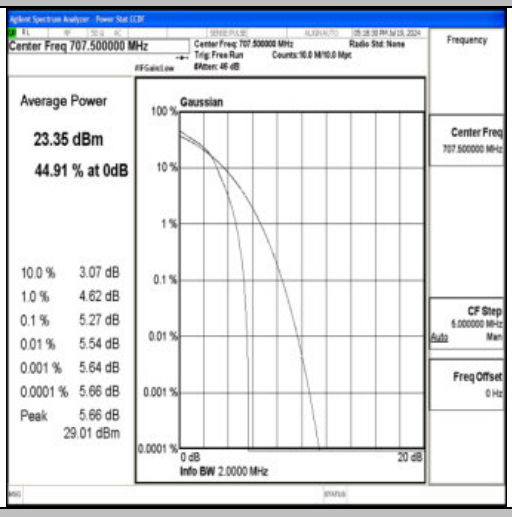
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



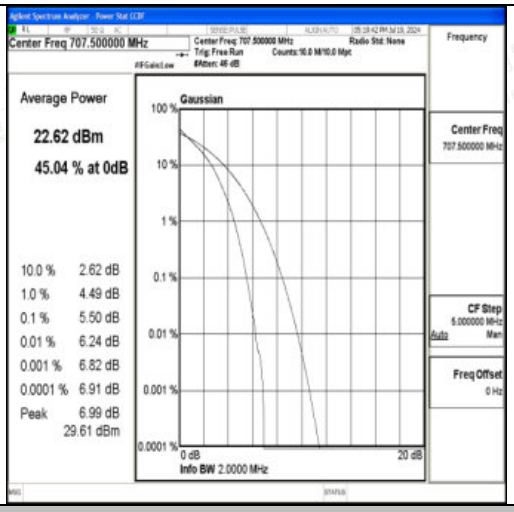
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



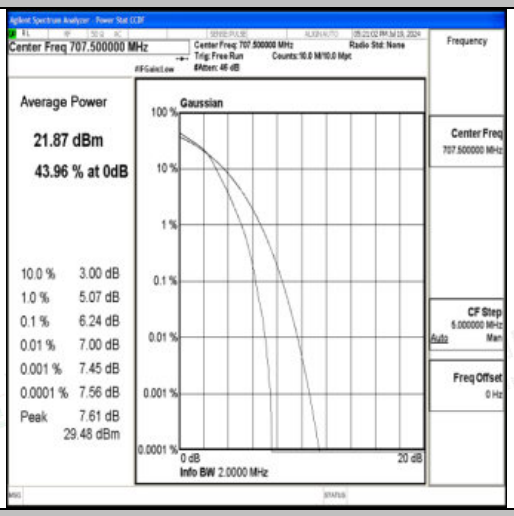
Band12-1.4MHz-QPSK-23095-1RB#0-PASS



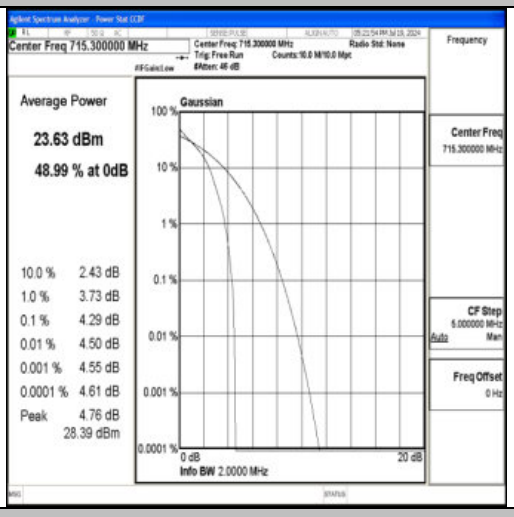
Band12-1.4MHz-16QAM-23095-1RB#0-PASS



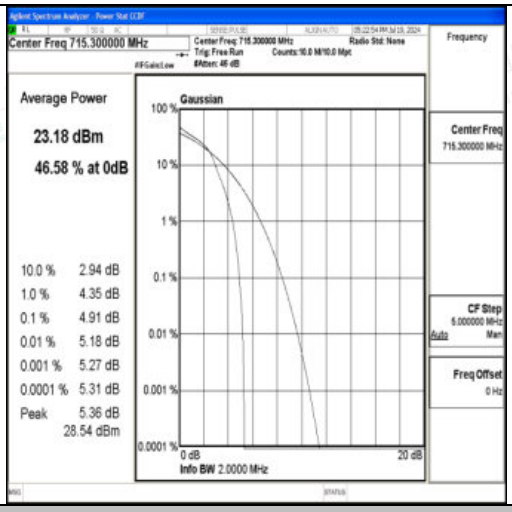
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



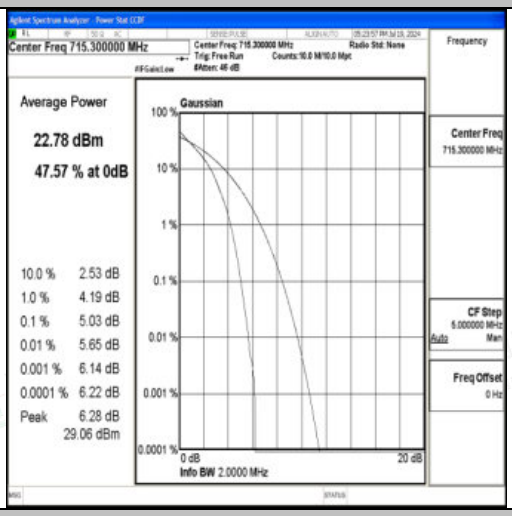
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



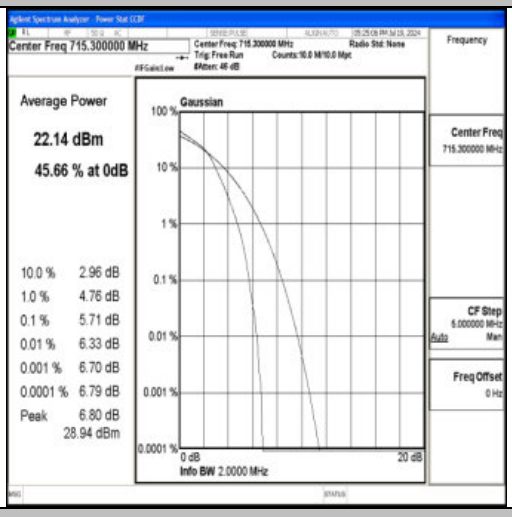
Band12-1.4MHz-QPSK-23173-1RB#0-PASS



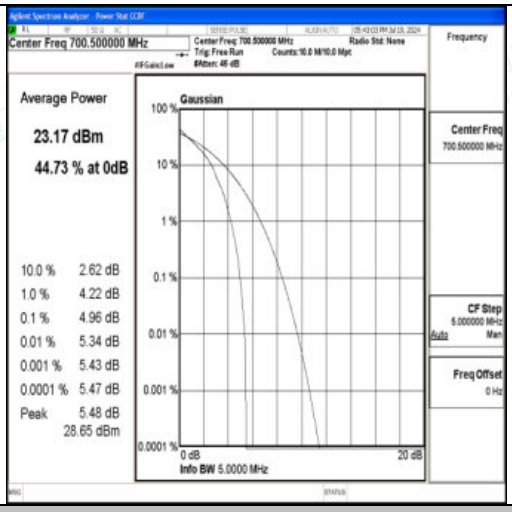
Band12-1.4MHz-16QAM-23173-1RB#0-PASS



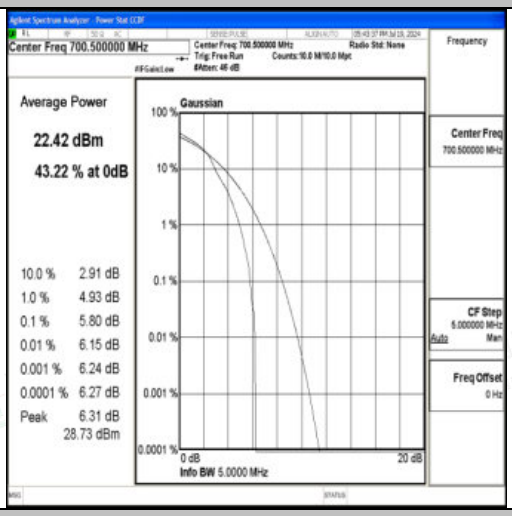
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



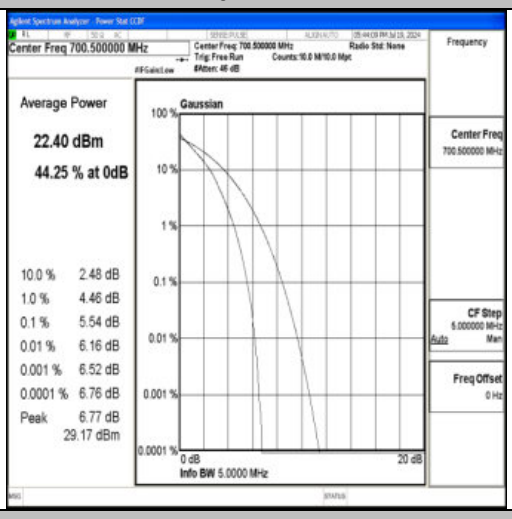
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



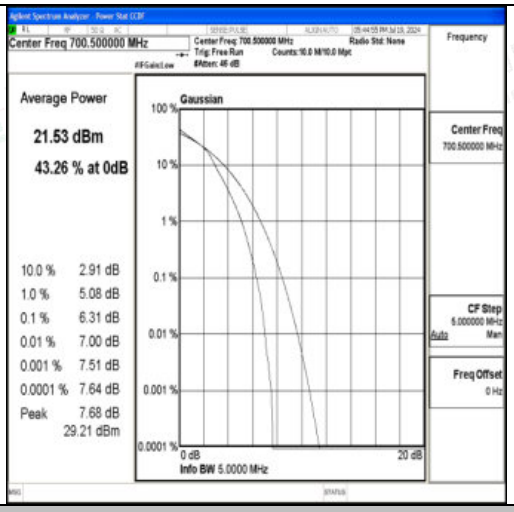
Band12-3MHz-QPSK-23025-1RB#0-PASS



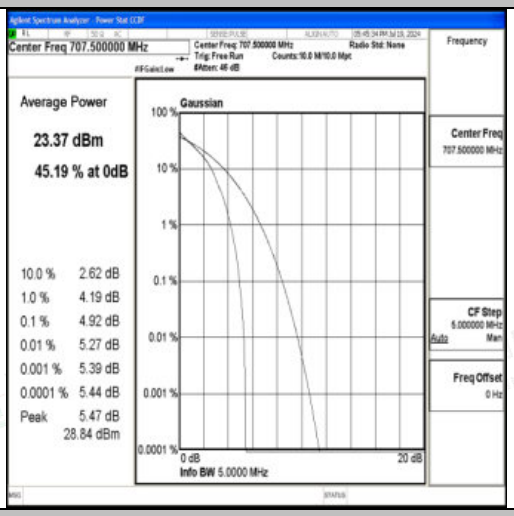
Band12-3MHz-16QAM-23025-1RB#0-PASS



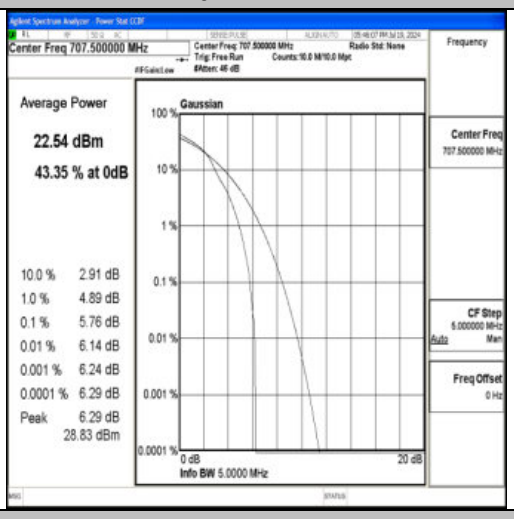
Band12-3MHz-QPSK-23025-15RB#0-PASS



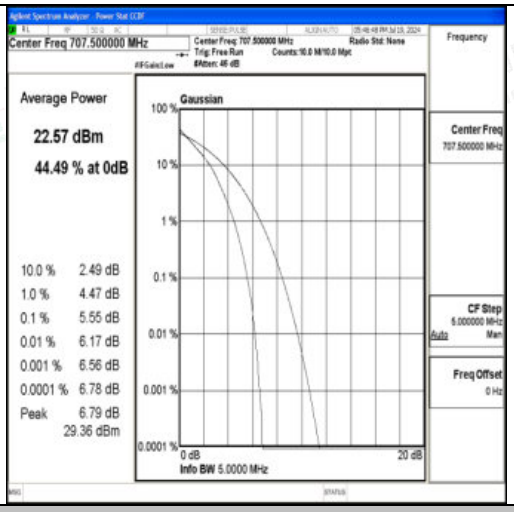
Band12-3MHz-16QAM-23025-15RB#0-PASS



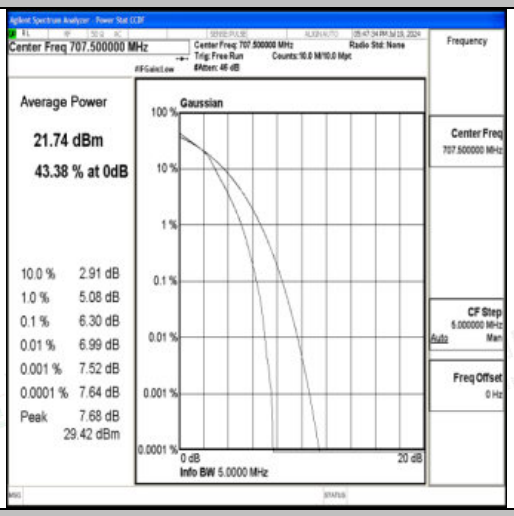
Band12-3MHz-QPSK-23095-1RB#0-PASS



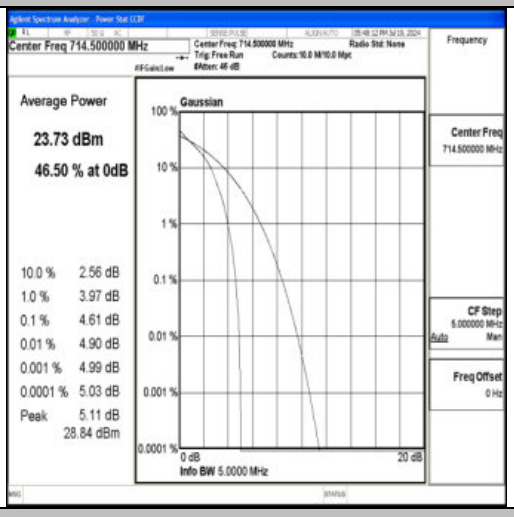
Band12-3MHz-16QAM-23095-1RB#0-PASS



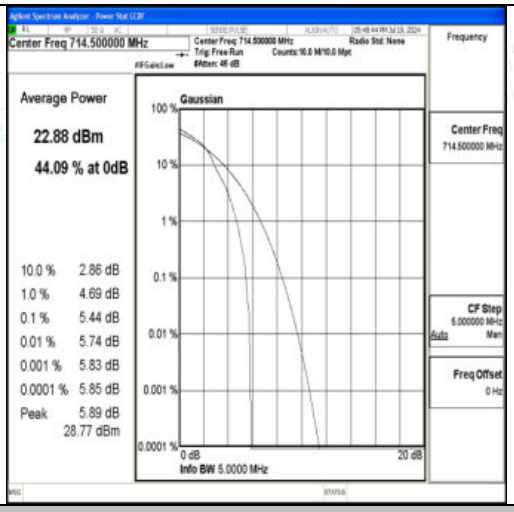
Band12-3MHz-QPSK-23095-15RB#0-PASS



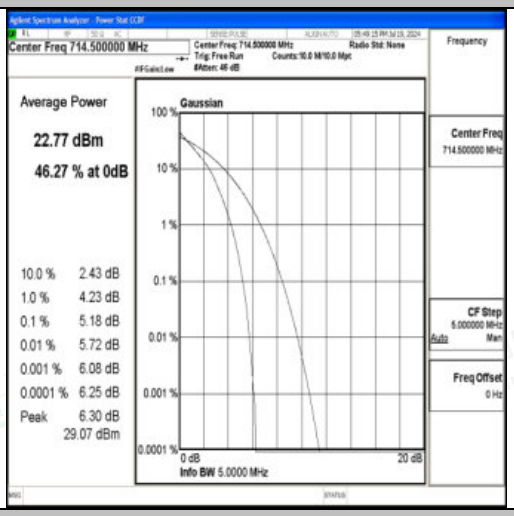
Band12-3MHz-16QAM-23095-15RB#0-PASS



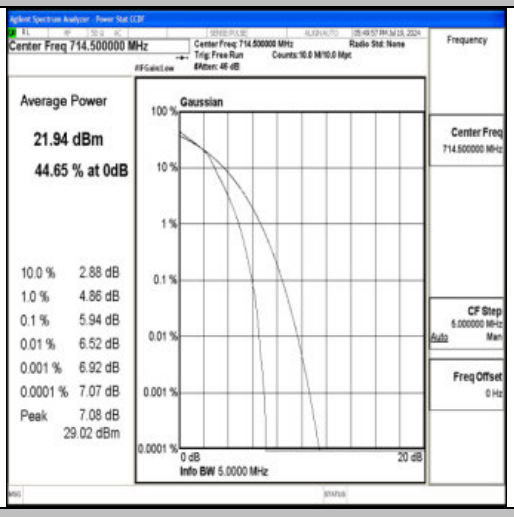
Band12-3MHz-QPSK-23165-1RB#0-PASS



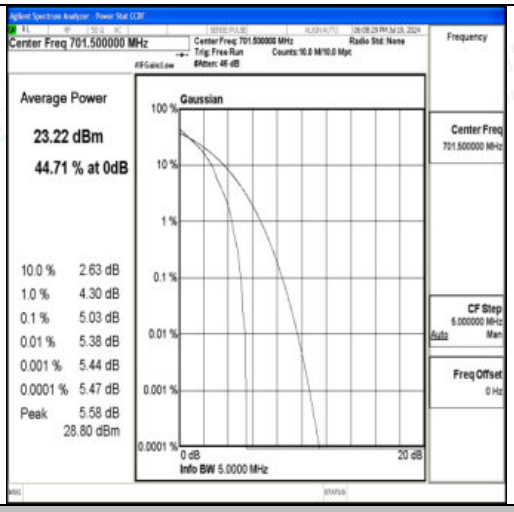
Band12-3MHz-16QAM-23165-1RB#0-PASS



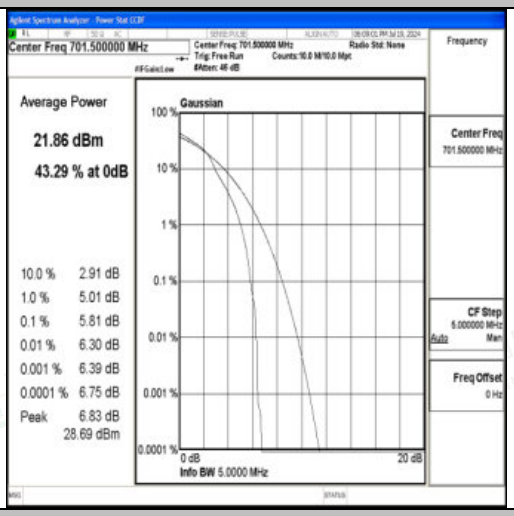
Band12-3MHz-QPSK-23165-15RB#0-PASS



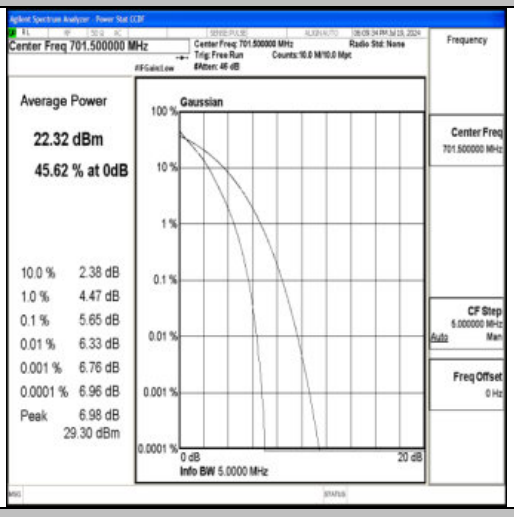
Band12-3MHz-16QAM-23165-15RB#0-PASS



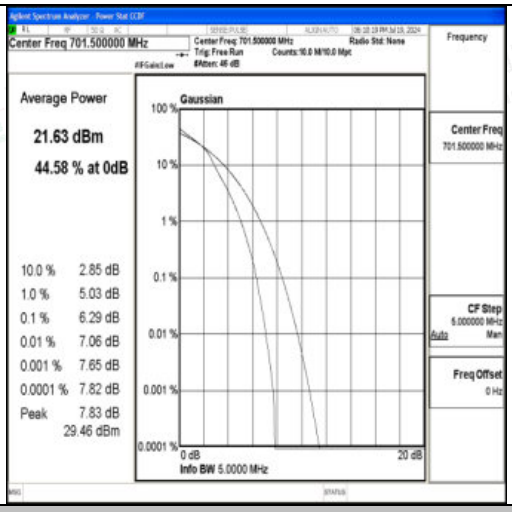
Band12-5MHz-QPSK-23035-1RB#0-PASS



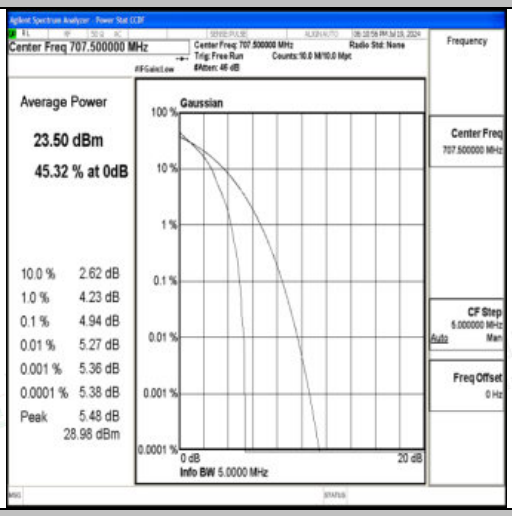
Band12-5MHz-16QAM-23035-1RB#0-PASS



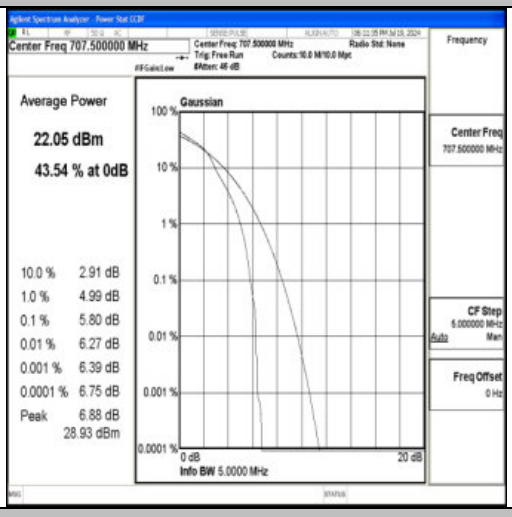
Band12-5MHz-QPSK-23035-25RB#0-PASS



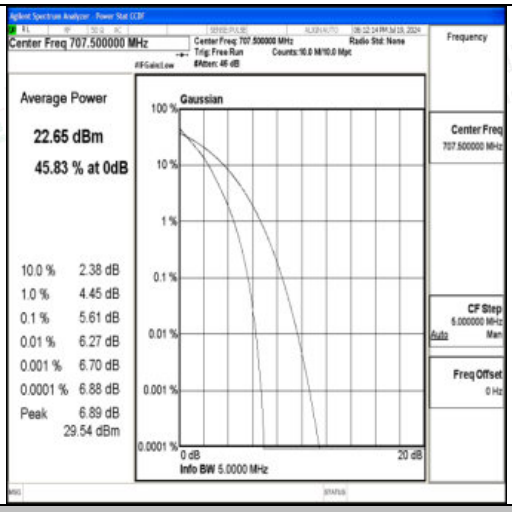
Band12-5MHz-16QAM-23035-25RB#0-PASS



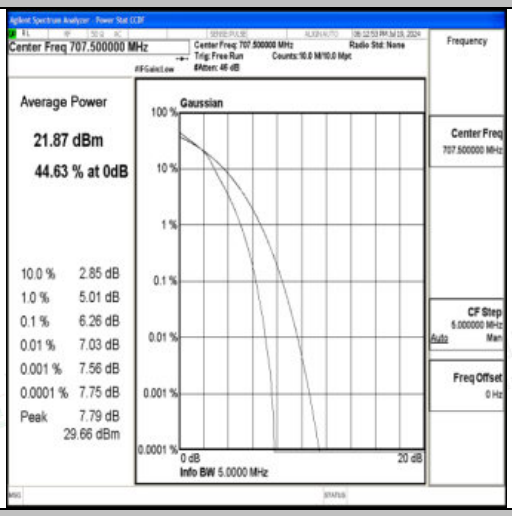
Band12-5MHz-QPSK-23095-1RB#0-PASS



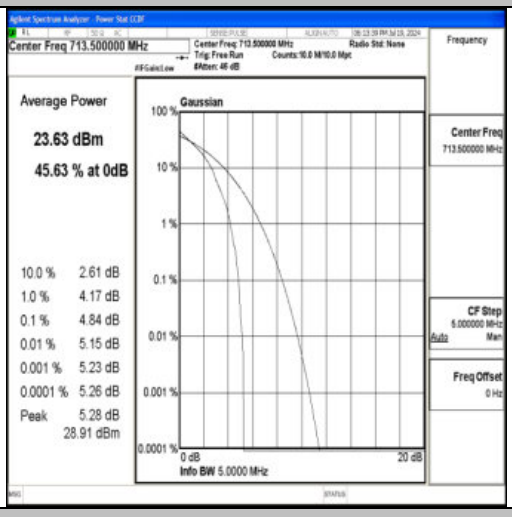
Band12-5MHz-16QAM-23095-1RB#0-PASS



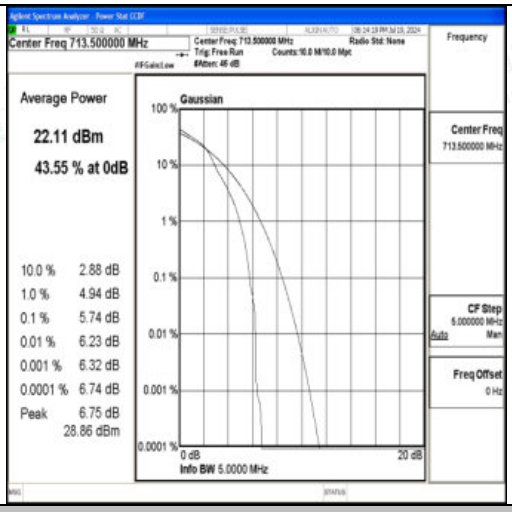
Band12-5MHz-QPSK-23095-25RB#0-PASS



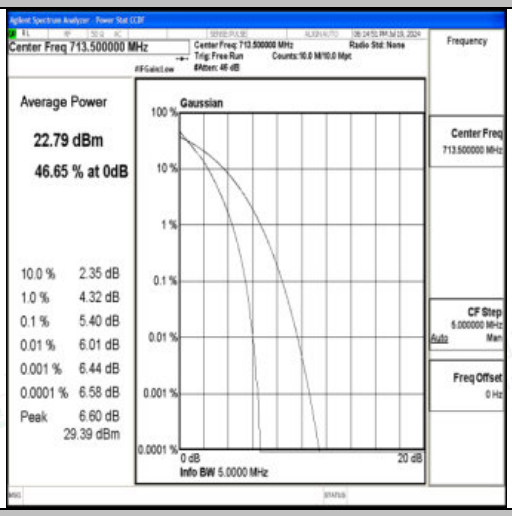
Band12-5MHz-16QAM-23095-25RB#0-PASS



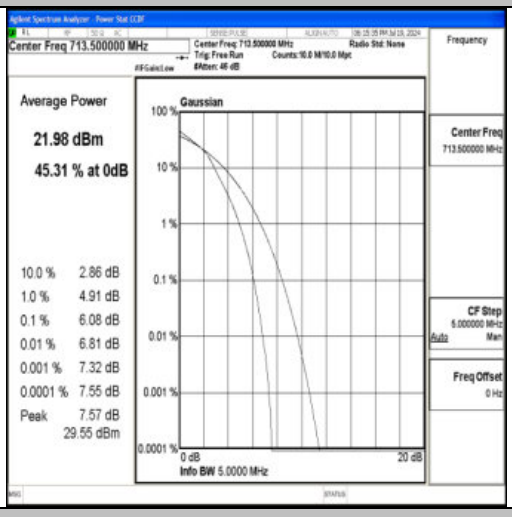
Band12-5MHz-QPSK-23155-1RB#0-PASS



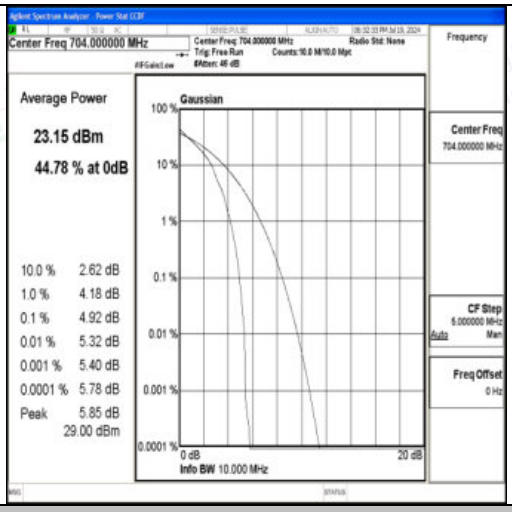
Band12-5MHz-16QAM-23155-1RB#0-PASS



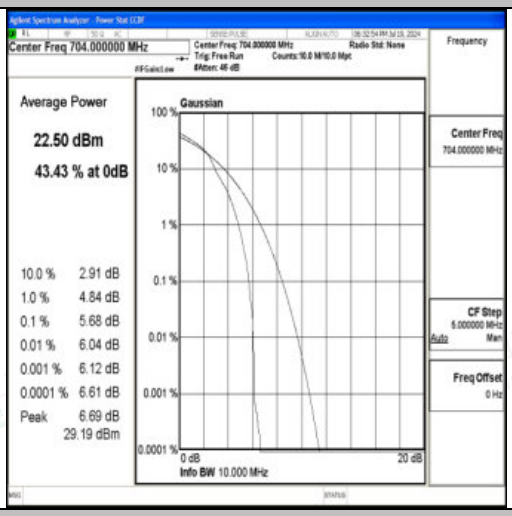
Band12-5MHz-QPSK-23155-25RB#0-PASS



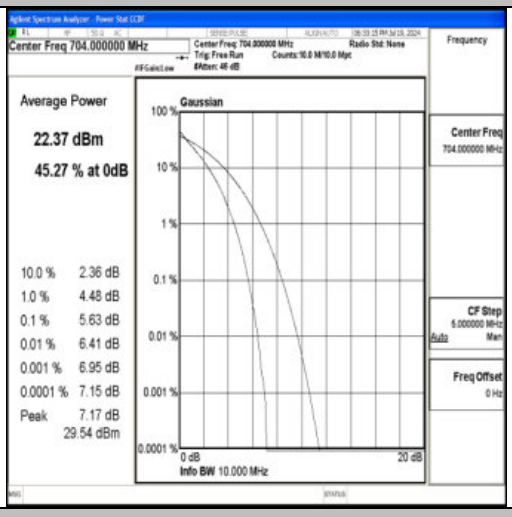
Band12-5MHz-16QAM-23155-25RB#0-PASS



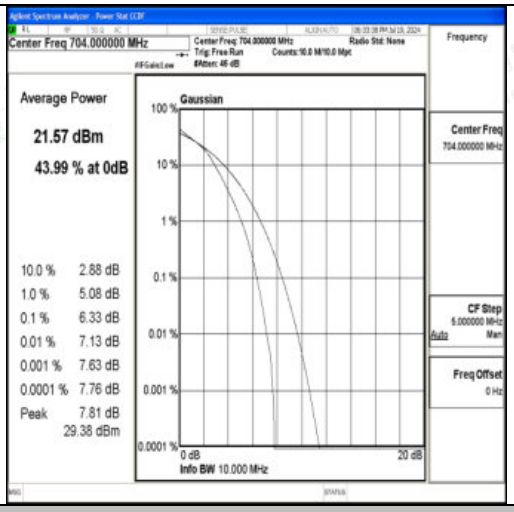
Band12-10MHz-QPSK-23060-1RB#0-PASS



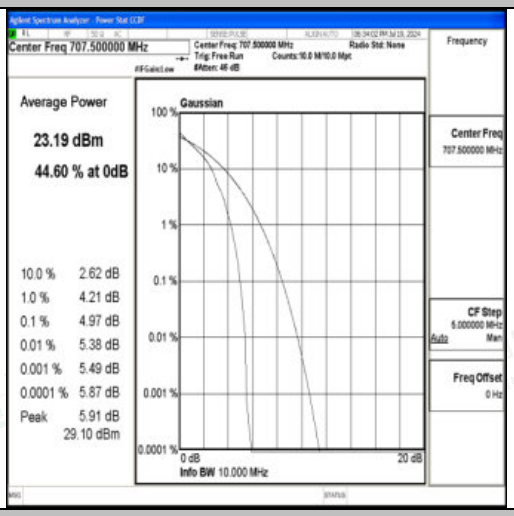
Band12-10MHz-16QAM-23060-1RB#0-PASS



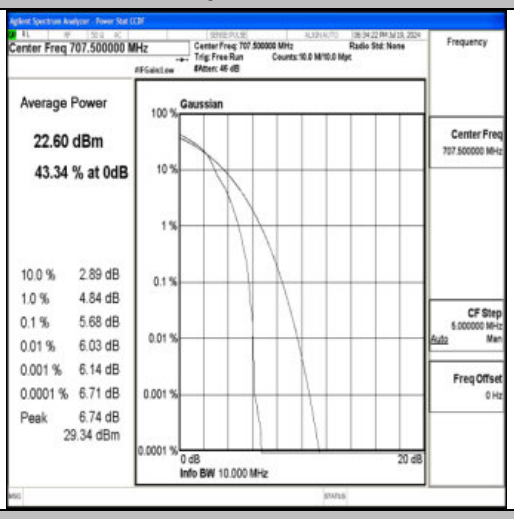
Band12-10MHz-QPSK-23060-50RB#0-PASS



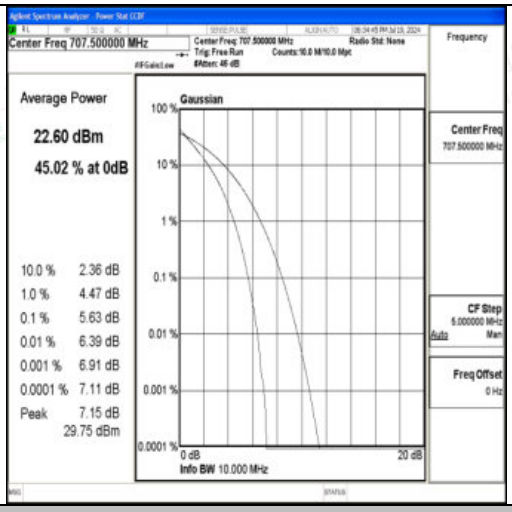
Band12-10MHz-16QAM-23060-50RB#0-PASS



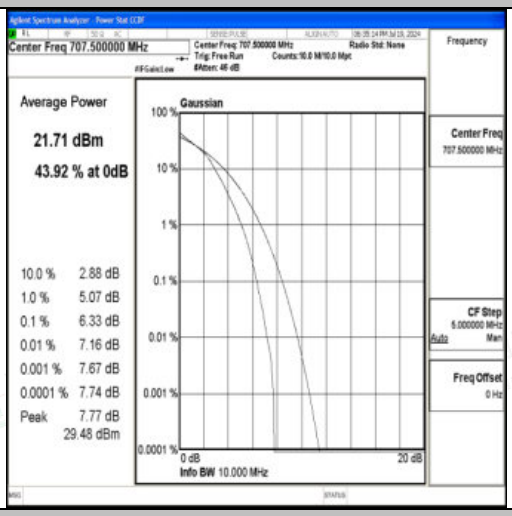
Band12-10MHz-QPSK-23095-1RB#0-PASS



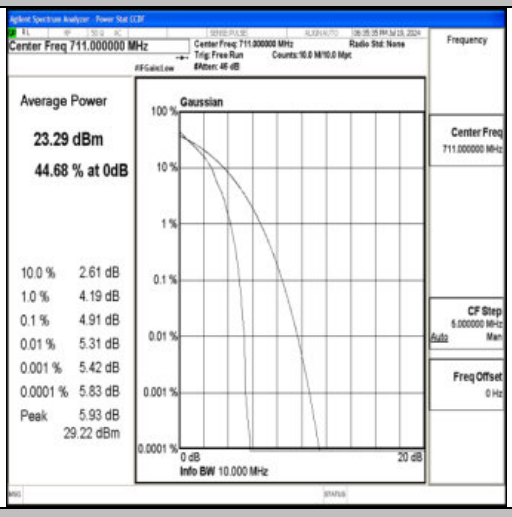
Band12-10MHz-16QAM-23095-1RB#0-PASS



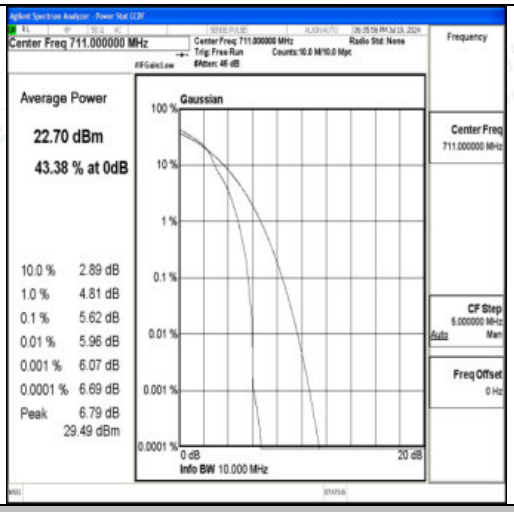
Band12-10MHz-QPSK-23095-50RB#0-PASS



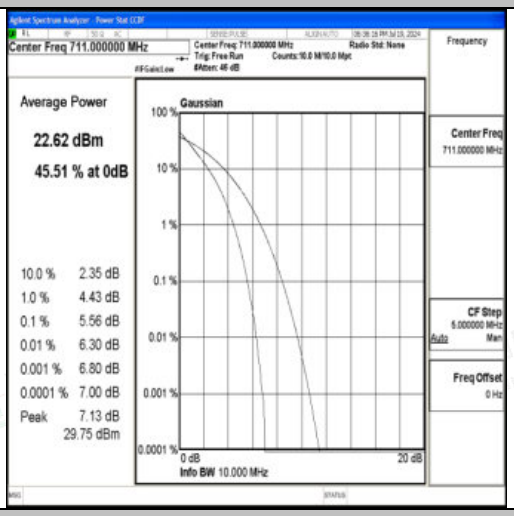
Band12-10MHz-16QAM-23095-50RB#0-PASS



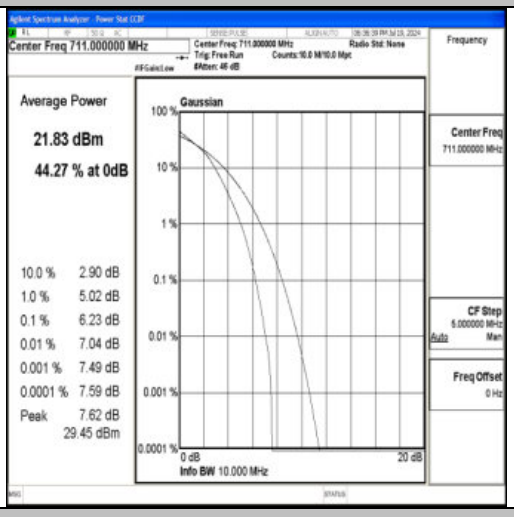
Band12-10MHz-QPSK-23130-1RB#0-PASS



Band12-10MHz-16QAM-23130-1RB#0-PASS



Band12-10MHz-QPSK-23130-50RB#0-PASS



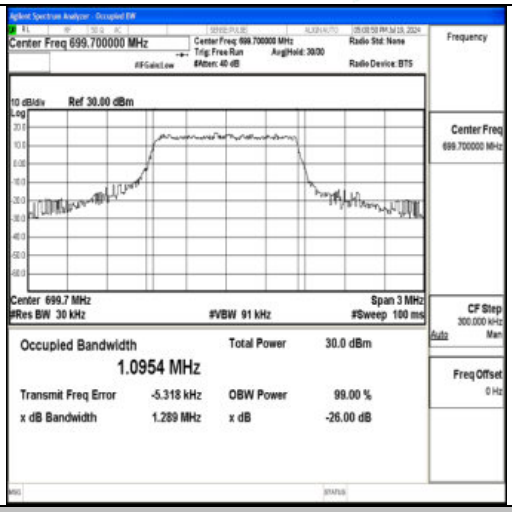
Band12-10MHz-16QAM-23130-50RB#0-PASS

K.3 26dB Bandwidth and Occupied Bandwidth

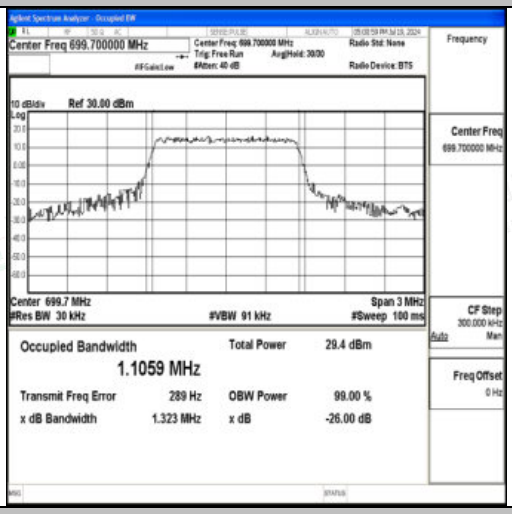
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0954	1.289	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1059	1.323	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0951	1.311	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1052	1.294	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0934	1.289	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1072	1.280	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7136	3.166	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7115	3.130	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7083	3.066	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7004	3.092	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7106	3.051	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7057	3.076	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5259	5.322	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5196	5.175	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5202	5.323	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5218	5.307	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5141	5.265	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5178	5.259	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9997	10.23	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9906	10.11	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0056	10.14	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9930	10.15	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9936	10.06	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9916	10.10	PASS

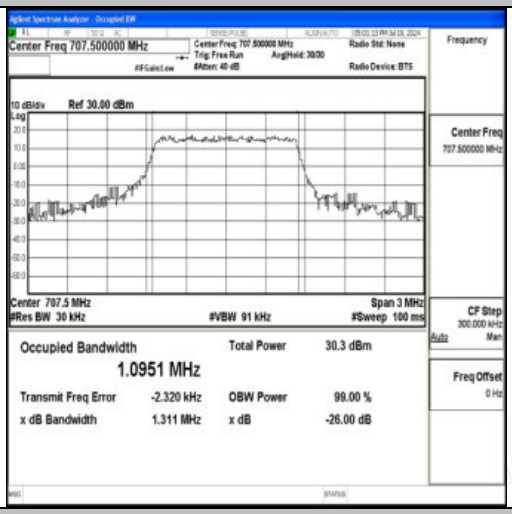
Test Graphs



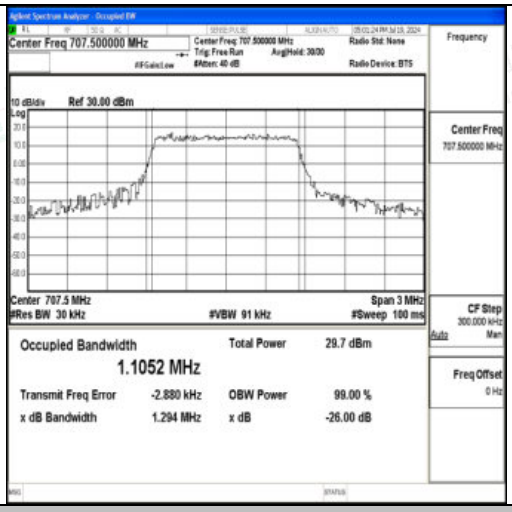
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



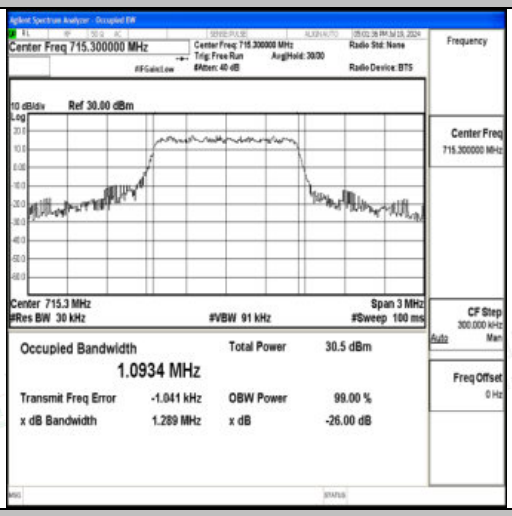
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



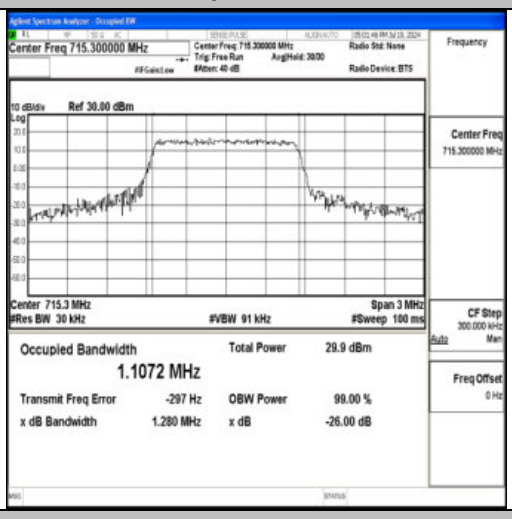
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



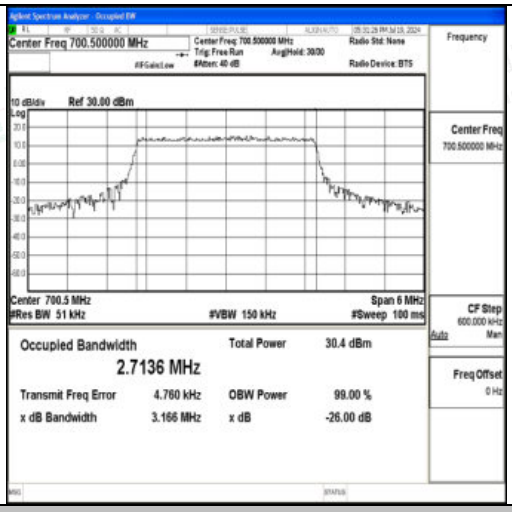
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



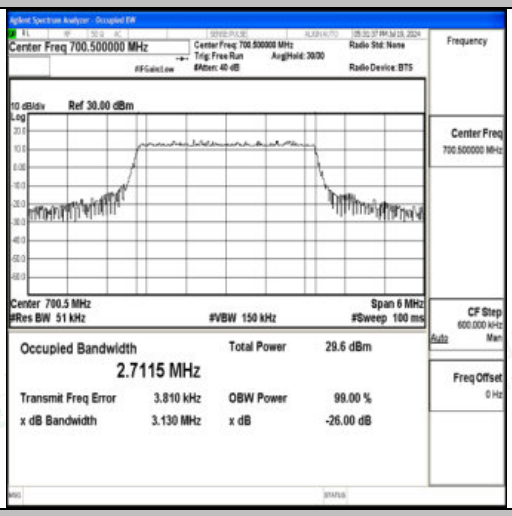
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



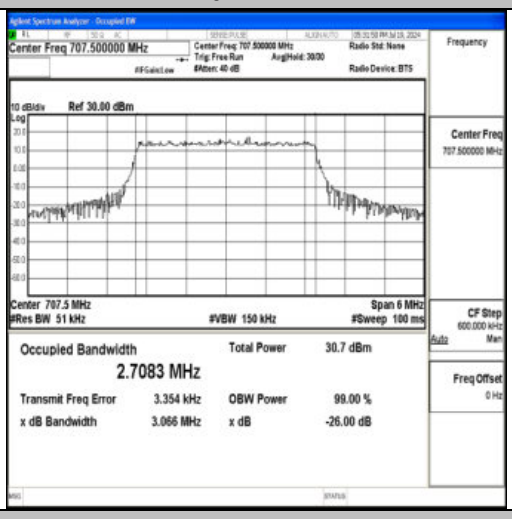
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



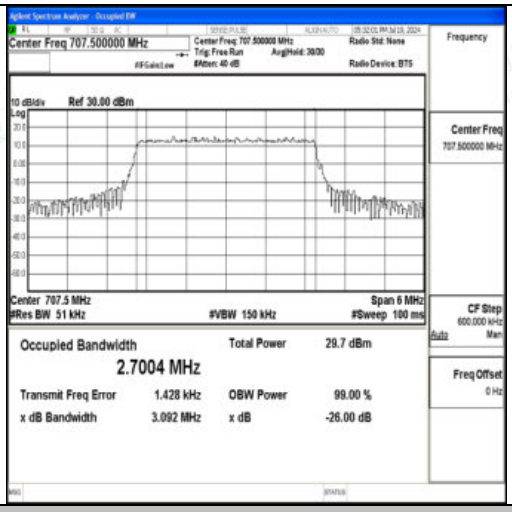
Band12-3MHz-QPSK-23025-15RB#0-PASS



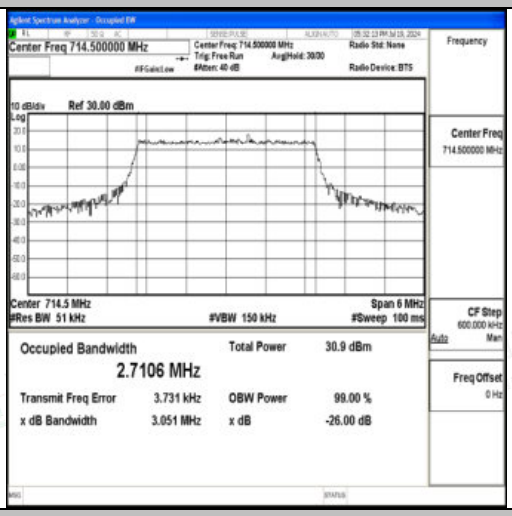
Band12-3MHz-16QAM-23025-15RB#0-PASS



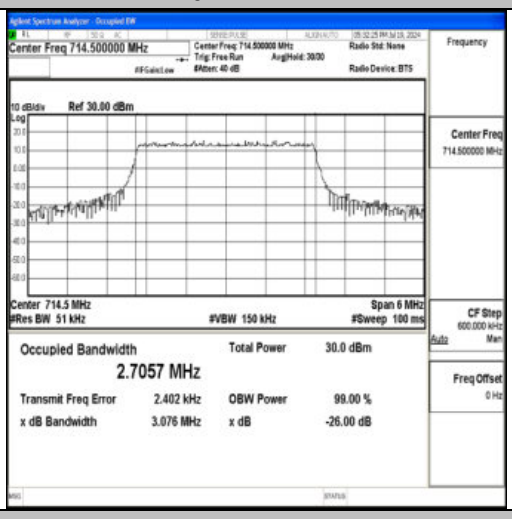
Band12-3MHz-QPSK-23095-15RB#0-PASS



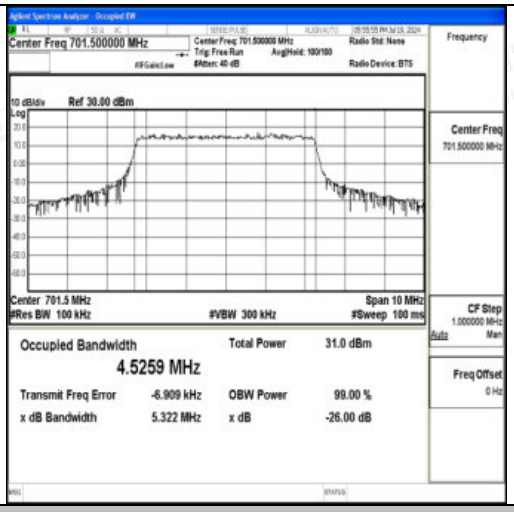
Band12-3MHz-16QAM-23095-15RB#0-PASS



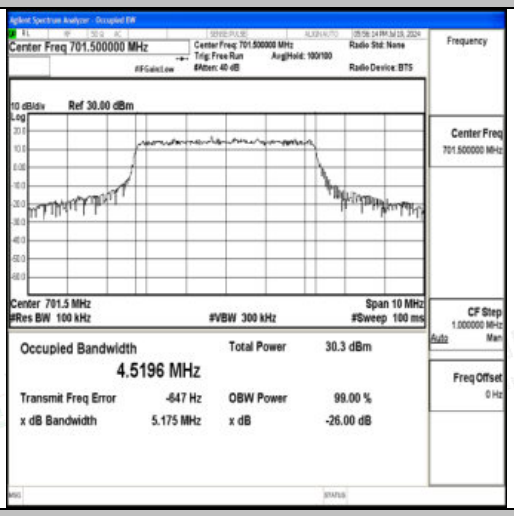
Band12-3MHz-QPSK-23165-15RB#0-PASS



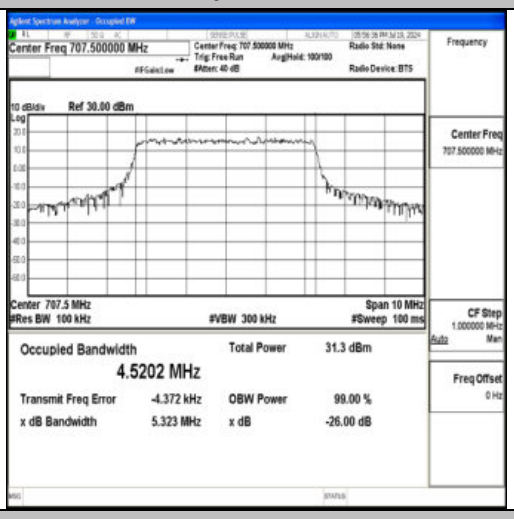
Band12-3MHz-16QAM-23165-15RB#0-PASS



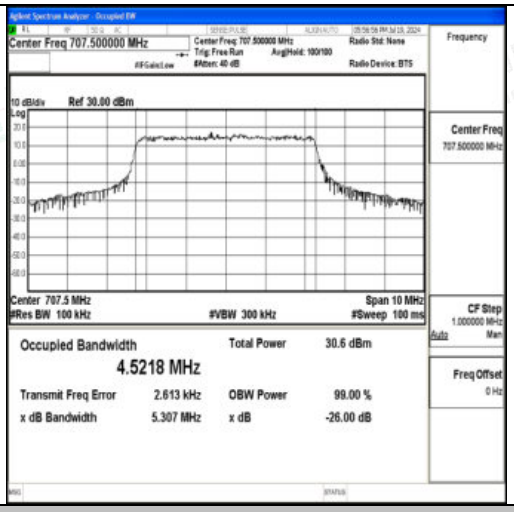
Band12-5MHz-QPSK-23035-25RB#0-PASS



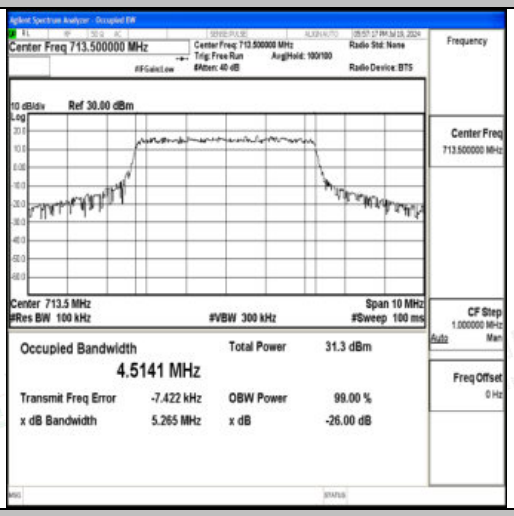
Band12-5MHz-16QAM-23035-25RB#0-PASS



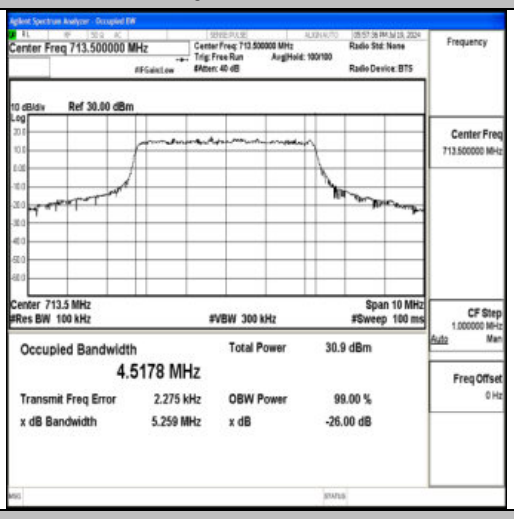
Band12-5MHz-QPSK-23095-25RB#0-PASS



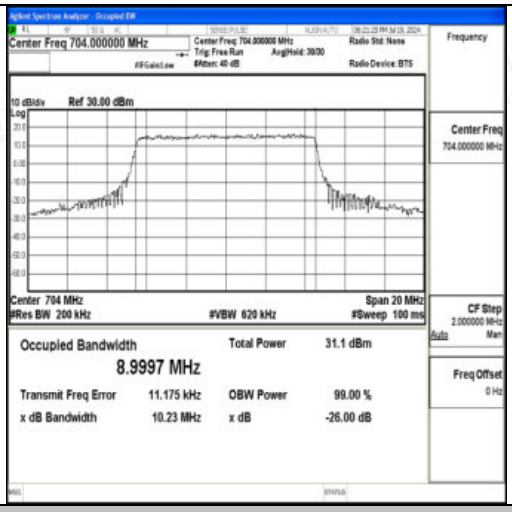
Band12-5MHz-16QAM-23095-25RB#0-PASS



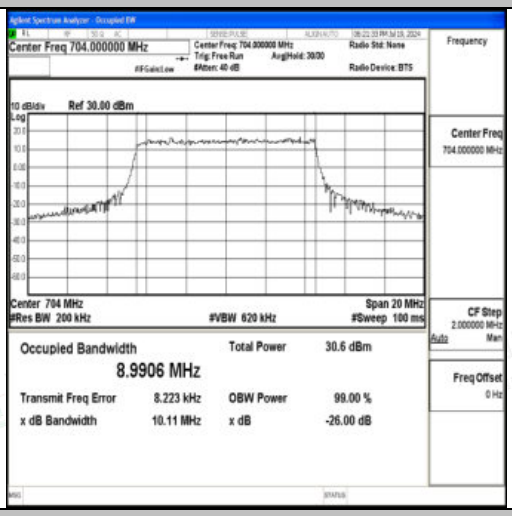
Band12-5MHz-QPSK-23155-25RB#0-PASS



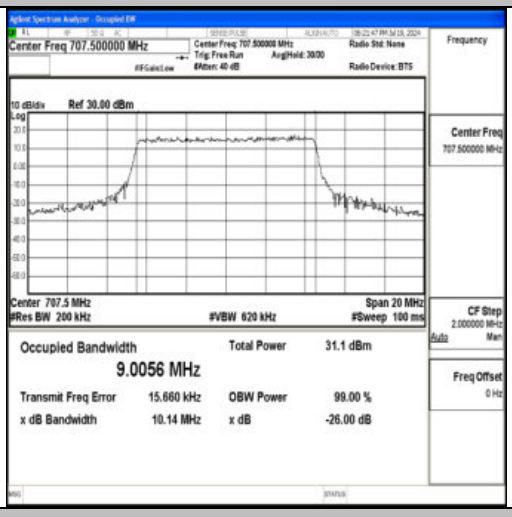
Band12-5MHz-16QAM-23155-25RB#0-PASS



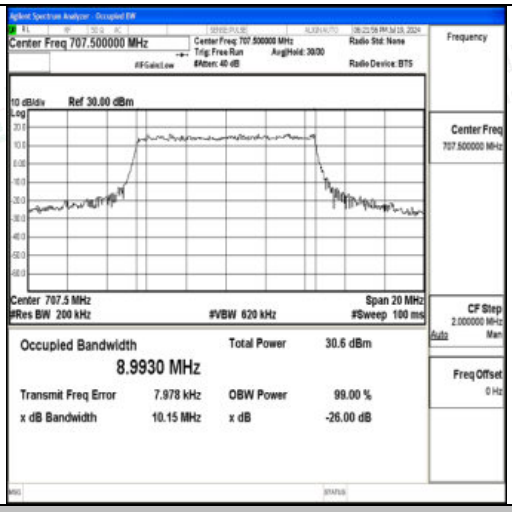
Band12-10MHz-QPSK-23060-50RB#0-PASS



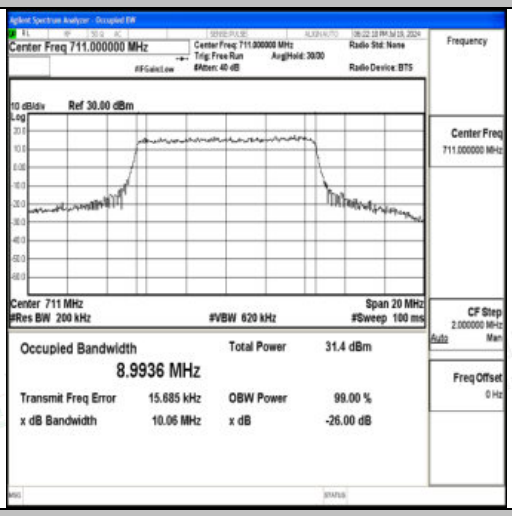
Band12-10MHz-16QAM-23060-50RB#0-PASS



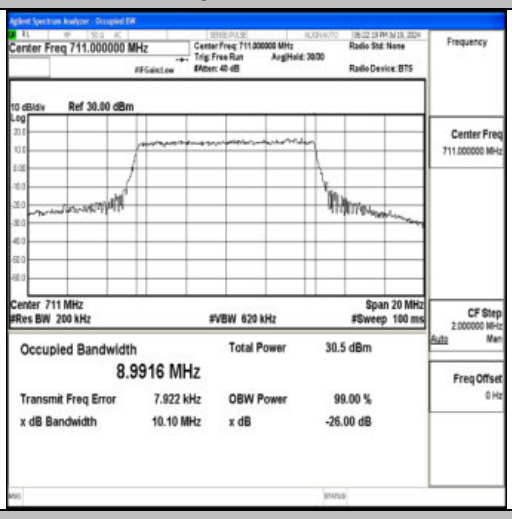
Band12-10MHz-QPSK-23095-50RB#0-PASS



Band12-10MHz-16QAM-23095-50RB#0-PASS



Band12-10MHz-QPSK-23130-50RB#0-PASS



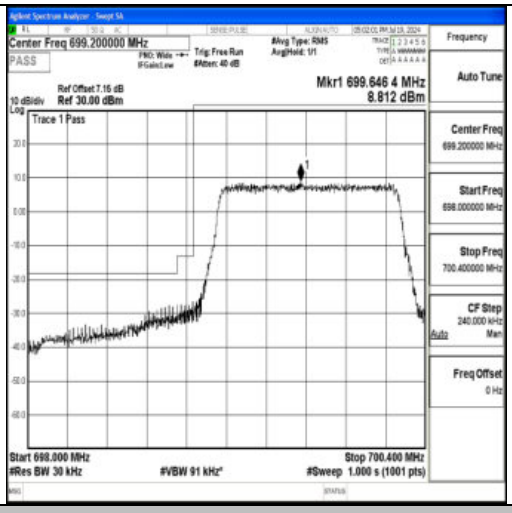
Band12-10MHz-16QAM-23130-50RB#0-PASS

K.4 Band Edge

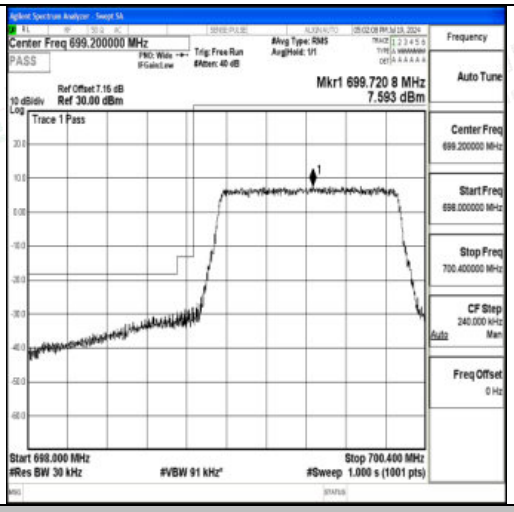
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.85	-27.67	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.88	-29.93	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.20	-28.61	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.13	-28.46	PASS
Band12	3MHz	QPSK	23025	15RB#0	699.00	-23.51	PASS
Band12	3MHz	16QAM	23025	15RB#0	699.00	-24.98	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.00	-23.68	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.00	-24.45	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.80	-34.41	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.89	-34.59	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.21	-36.37	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.11	-33.91	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.85	-37.55	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.79	-39.02	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.12	-40.79	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.16	-41.69	PASS

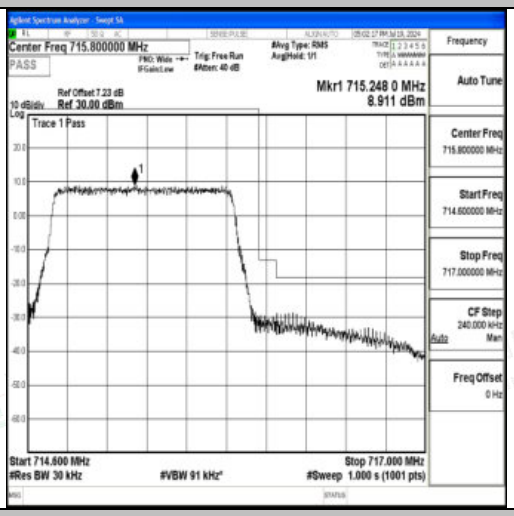
Test Graphs



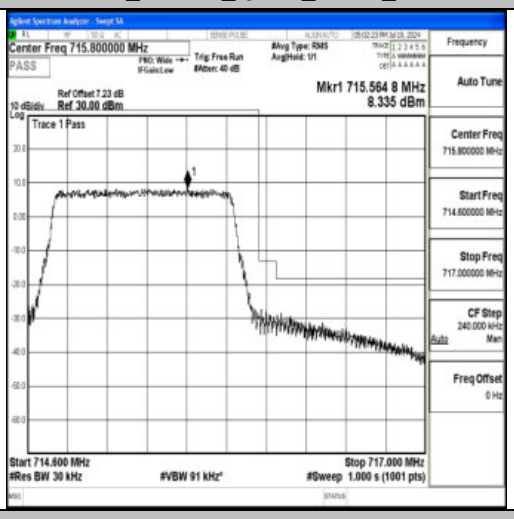
Band12_1.4MHz_QPSK_23017_6RB#0



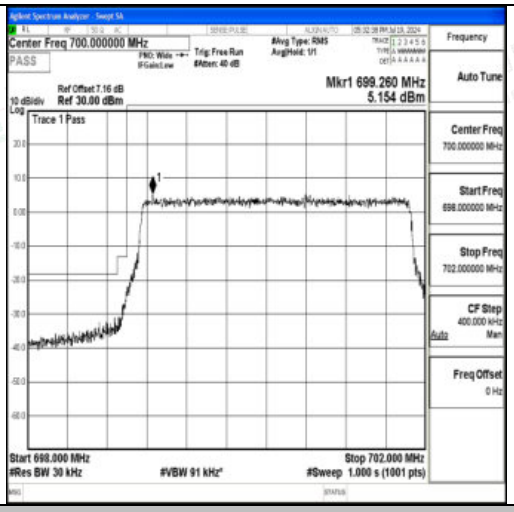
Band12_1.4MHz_16QAM_23017_6RB#0



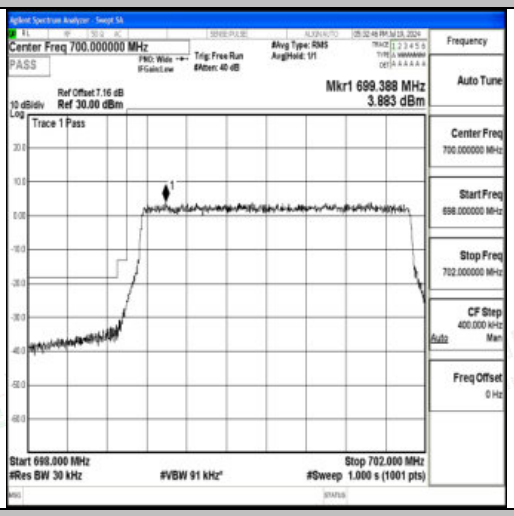
Band12_1.4MHz_QPSK_23173_6RB#0



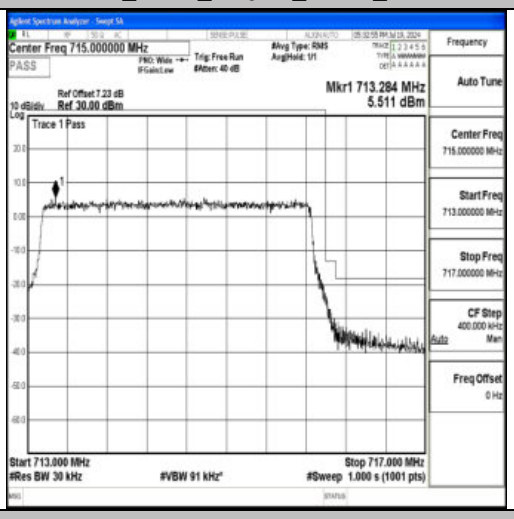
Band12_1.4MHz_16QAM_23173_6RB#0



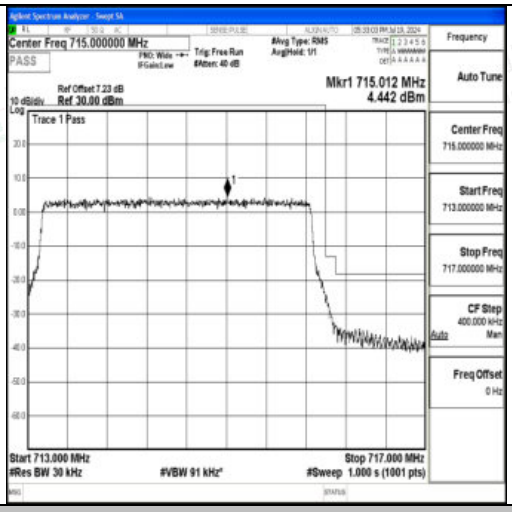
Band12_3MHz_QPSK_23025_15RB#0



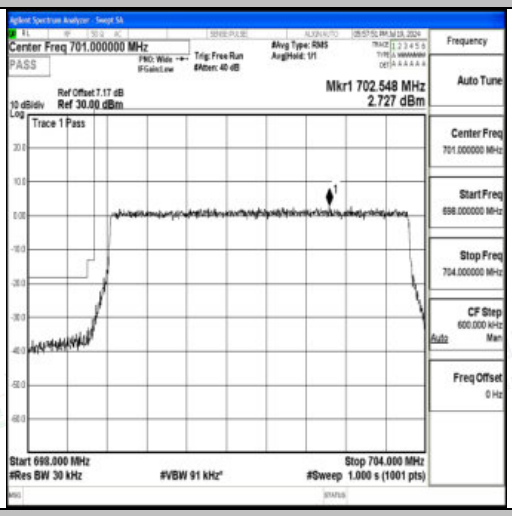
Band12_3MHz_16QAM_23025_15RB#0



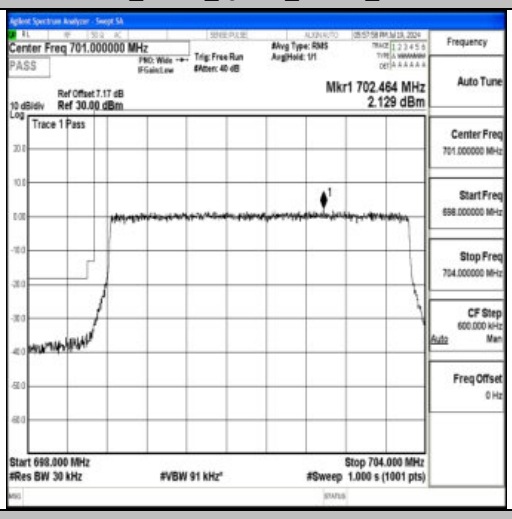
Band12_3MHz_QPSK_23165_15RB#0



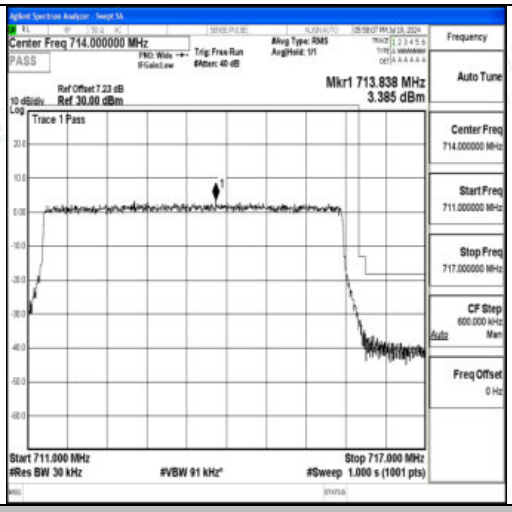
Band12_3MHz_16QAM_23165_15RB#0



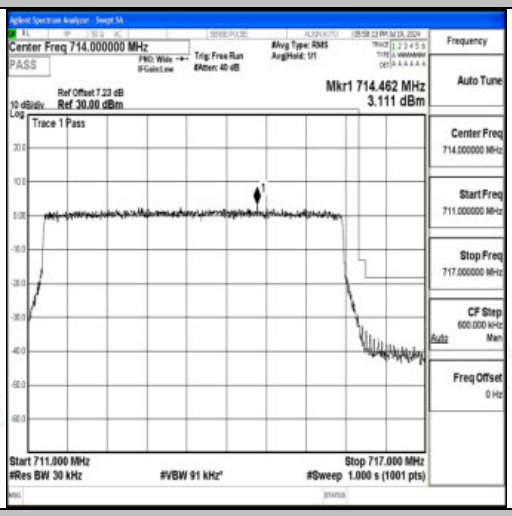
Band12_5MHz_QPSK_23035_25RB#0



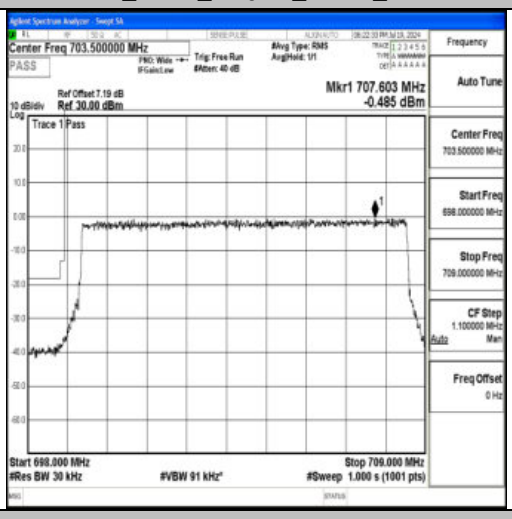
Band12_5MHz_16QAM_23035_25RB#0



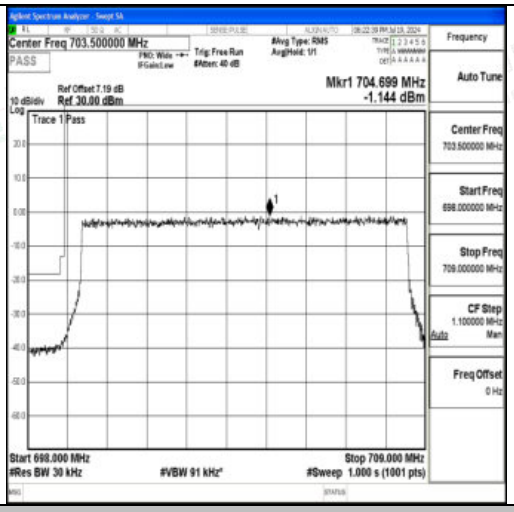
Band12_5MHz_QPSK_23155_25RB#0



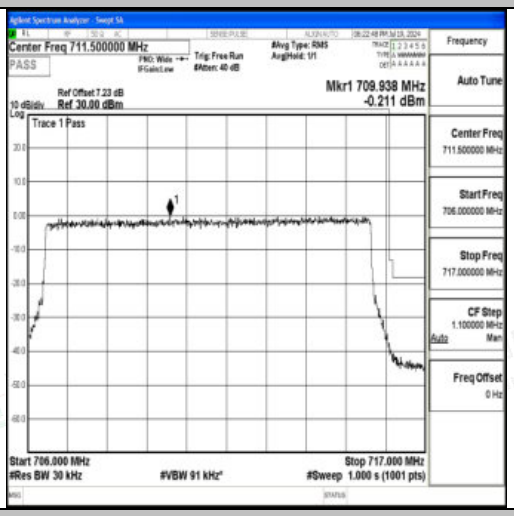
Band12_5MHz_16QAM_23155_25RB#0



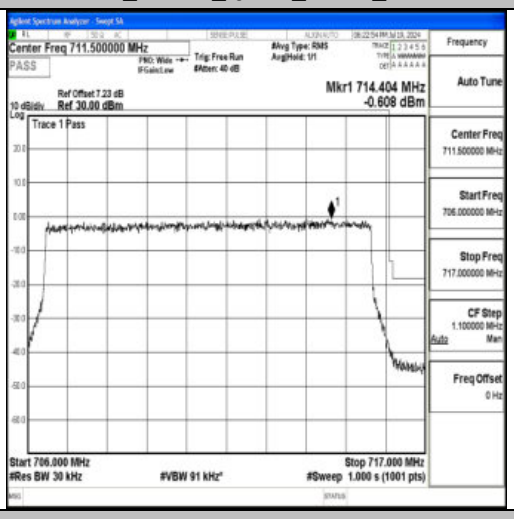
Band12_10MHz_QPSK_23060_50RB#0



Band12_10MHz_16QAM_23060_50RB#0



Band12_10MHz_QPSK_23130_50RB#0



Band12_10MHz_16QAM_23130_50RB#0

K.5 Conducted Spurious Emission

Test Result

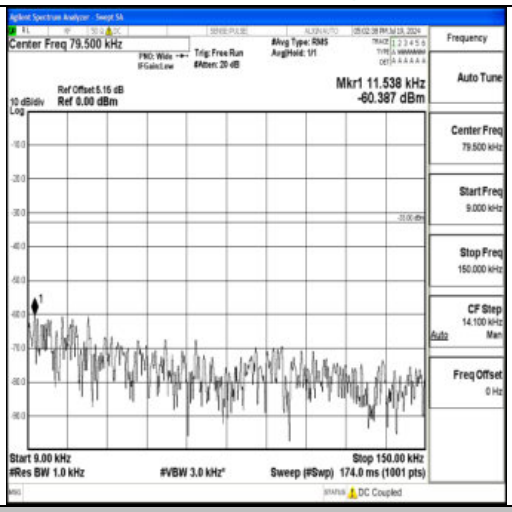
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-60.39	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-54.39	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-46.81	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-44.59	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-43.72	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-57.46	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-53.25	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-45.71	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-41.90	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-43.56	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-58.61	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-52.36	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-43.70	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-37.46	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-44.10	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-57.75	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-53.02	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-45.89	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-44.13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-44.28	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-54.15	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-50.03	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-47.37	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-44.54	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-44.21	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-56.69	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-53.01	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-47.14	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-37.46	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-44.19	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-55.73	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-52.84	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-50.97	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-44.82	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-44.23	PASS

Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-56.58	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-52.09	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-47.32	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-44.88	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-43.87	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-57.92	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-51.18	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-50.57	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-45.81	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-43.70	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-53.68	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-52.17	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-49.45	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-45.46	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-43.78	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-57.65	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-52.09	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-53.02	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-44.37	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-43.82	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-57.57	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-52.89	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-52.53	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-45.19	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-44.01	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-56.33	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-52.51	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-58.32	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-43.94	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-43.95	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-56.14	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-52.67	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-57.31	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-44.78	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-44.02	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-56.33	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-51.91	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-59.86	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-44.66	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-44.03	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-60.35	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-51.54	PASS

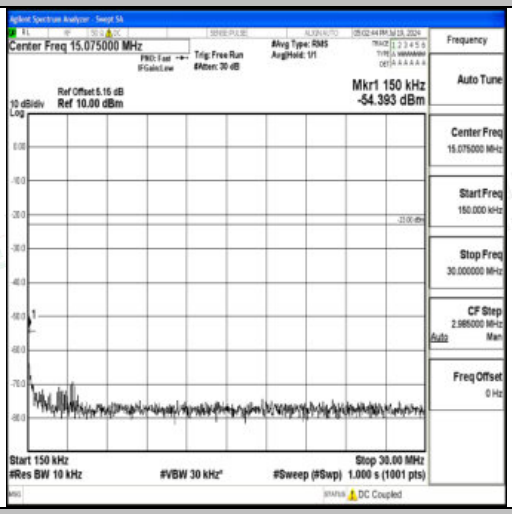
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-60.05	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-46.48	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-44.17	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-56.23	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-51.55	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-59.20	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-43.63	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-44.00	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-57.79	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-52.98	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-61.96	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-37.70	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-43.94	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-59.24	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-52.06	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-61.64	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-44.84	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-44.16	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-57.92	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-53.86	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-61.80	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-45.26	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-44.08	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-57.26	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-52.70	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-62.13	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-41.32	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-44.12	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-55.57	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-51.14	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-62.09	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-45.48	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-44.15	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-58.12	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-54.73	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-61.55	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-44.94	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-44.26	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-56.92	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-52.53	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-61.95	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-45.40	PASS

Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-44.11	PASS

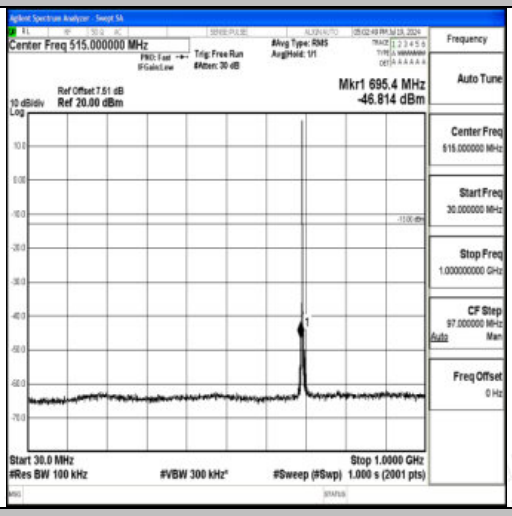
Test Graphs



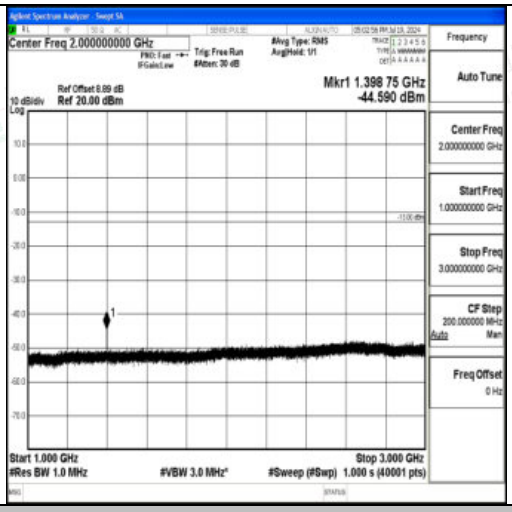
Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15



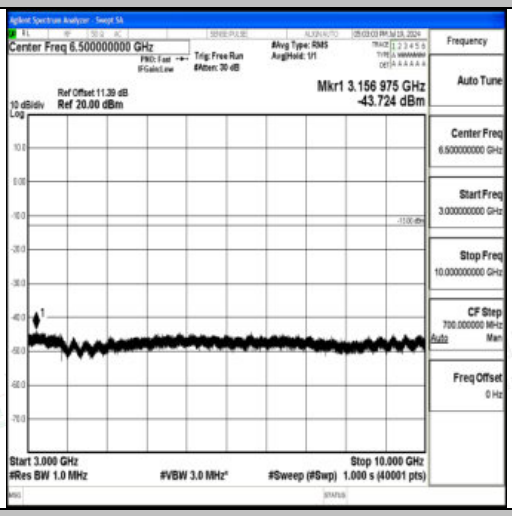
Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30



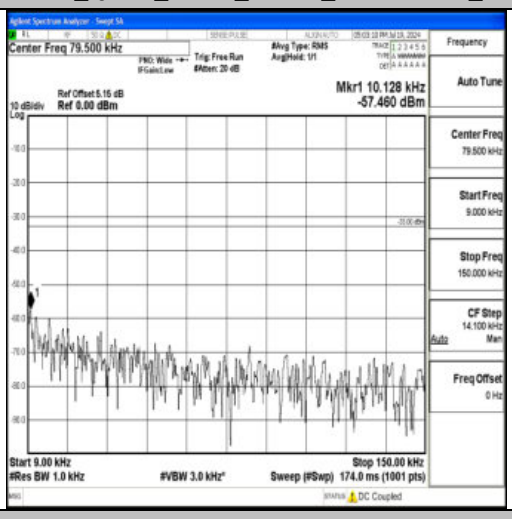
Band12_1.4MHz_QPSK_23017_1RB#0_30~1000_30~1000



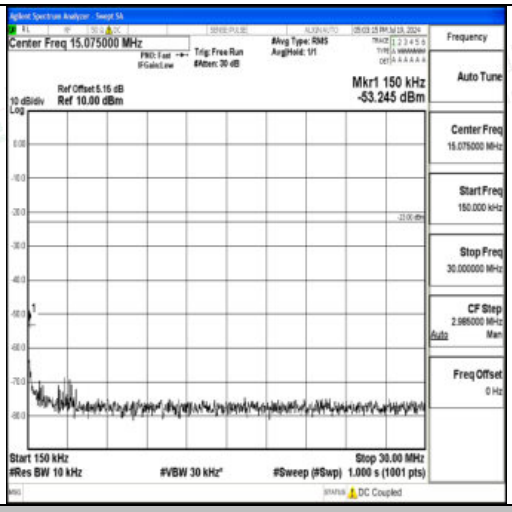
Band12_1.4MHz_QPSK_23017_1RB#0_1000~3000_1000~3000



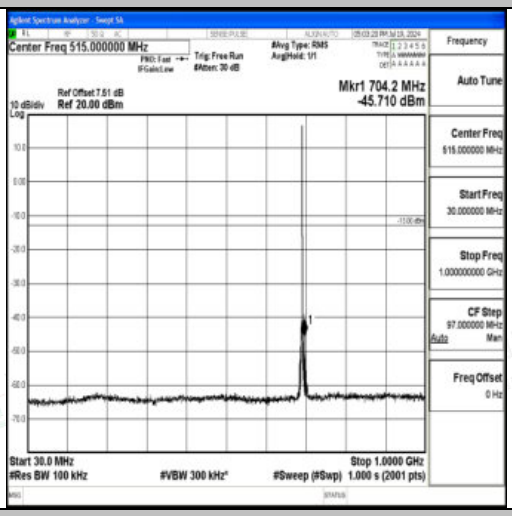
Band12_1.4MHz_QPSK_23017_1RB#0_3000~10000_3000~10000



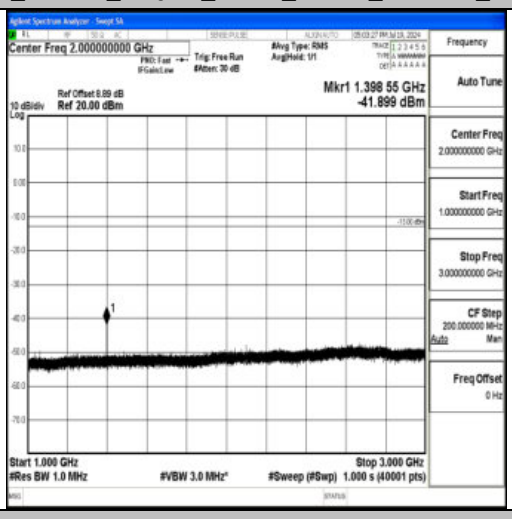
Band12_1.4MHz_16QAM_23017_1RB#0_0.009~0.15_0.009~0.15



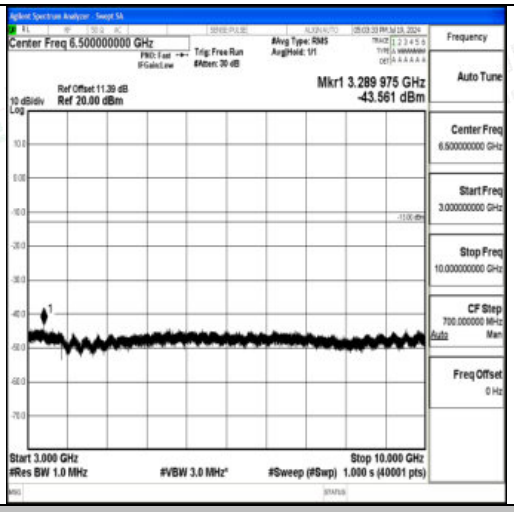
Band12_1.4MHz_16QAM_23017_1RB#0_0.15~30_0.15~30



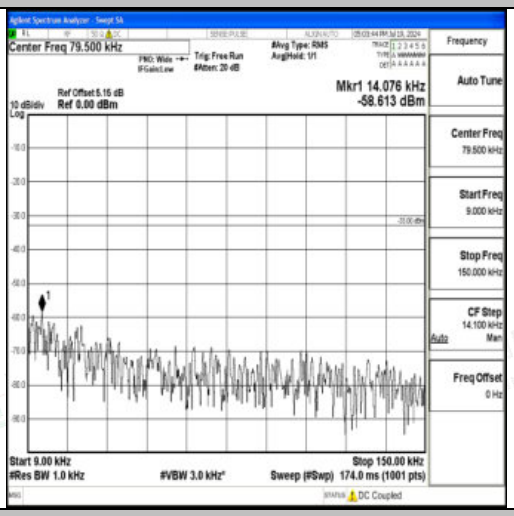
Band12_1.4MHz_16QAM_23017_1RB#0_30~1000_30~1000



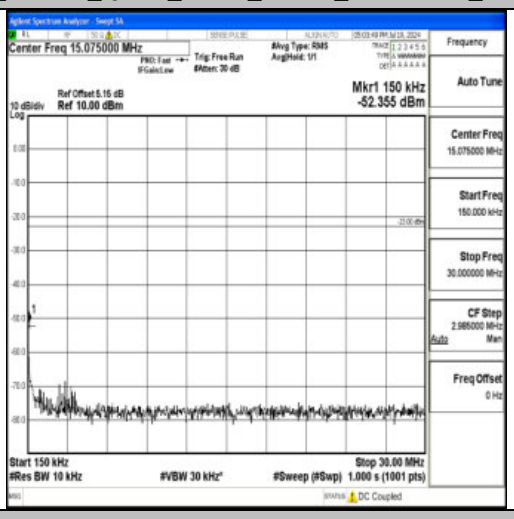
Band12_1.4MHz_16QAM_23017_1RB#0_1000~3000_1000~3000



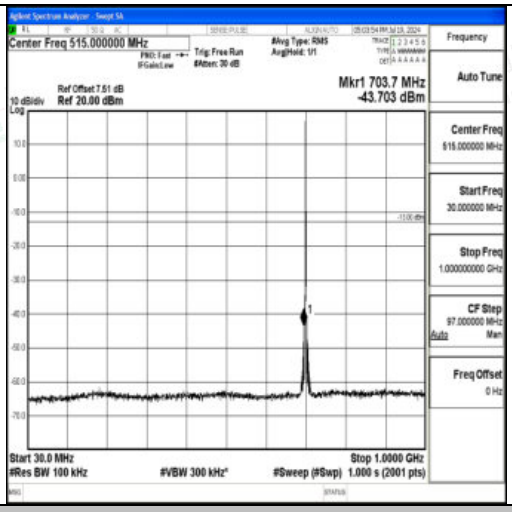
Band12_1.4MHz_16QAM_23017_1RB#0_3000~10000_3000~10000



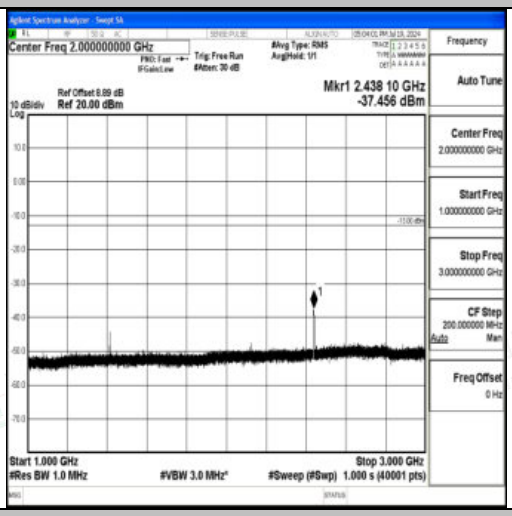
Band12_1.4MHz_QPSK_23095_1RB#0_0.009~0.15_0.009~0.15



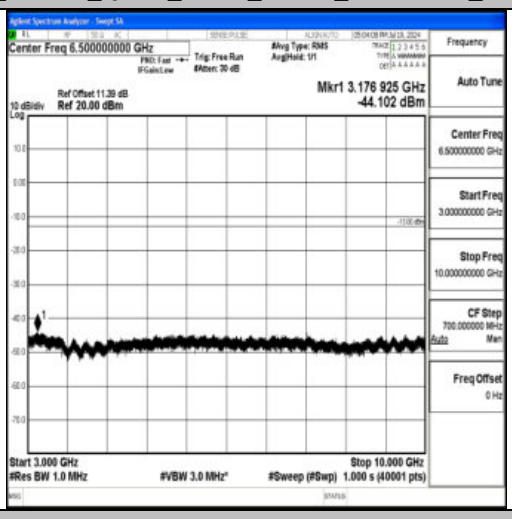
Band12_1.4MHz_QPSK_23095_1RB#0_0.15~30_0.15~30



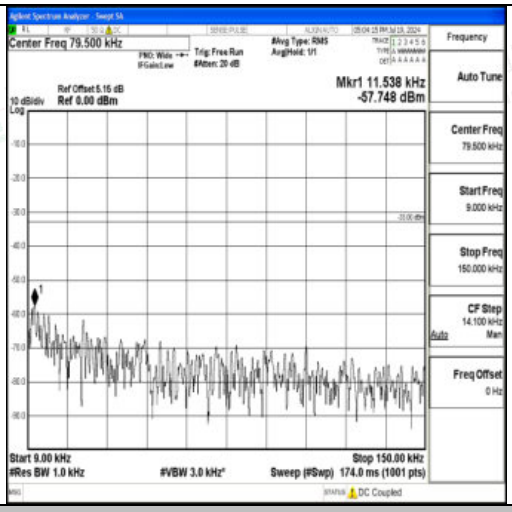
Band12_1.4MHz_QPSK_23095_1RB#0_30~1000_30~1000



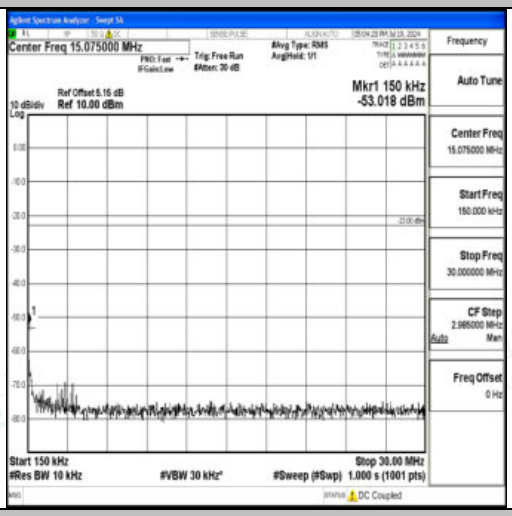
Band12_1.4MHz_QPSK_23095_1RB#0_1000~3000_1000~3000



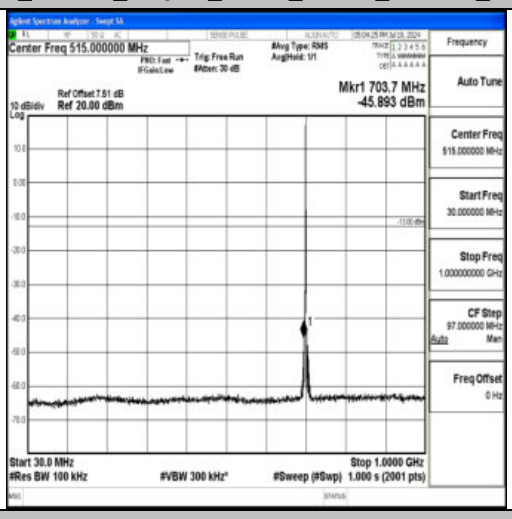
Band12_1.4MHz_QPSK_23095_1RB#0_3000~10000_3000~10000



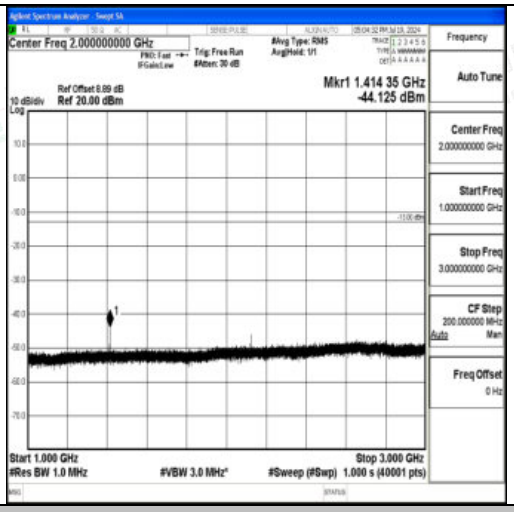
Band12_1.4MHz_16QAM_23095_1RB#0_0.009~0.15_0.009~0.15



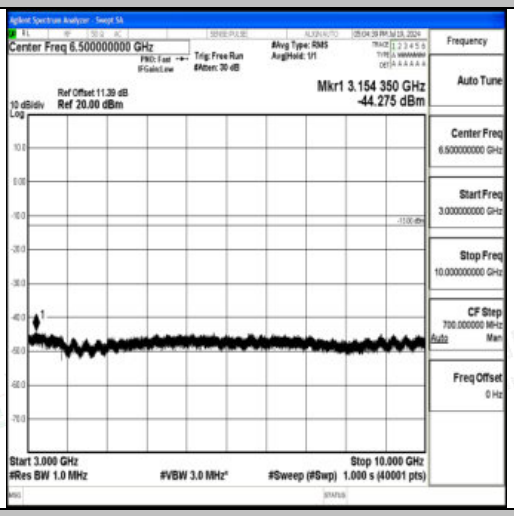
Band12_1.4MHz_16QAM_23095_1RB#0_0.15~30_0.15~30



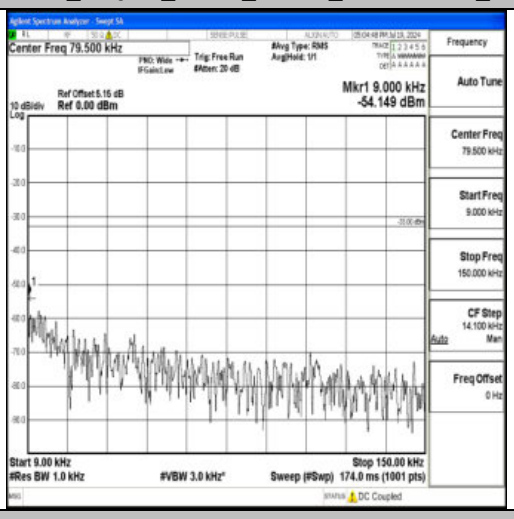
Band12_1.4MHz_16QAM_23095_1RB#0_30~1000_30~1000



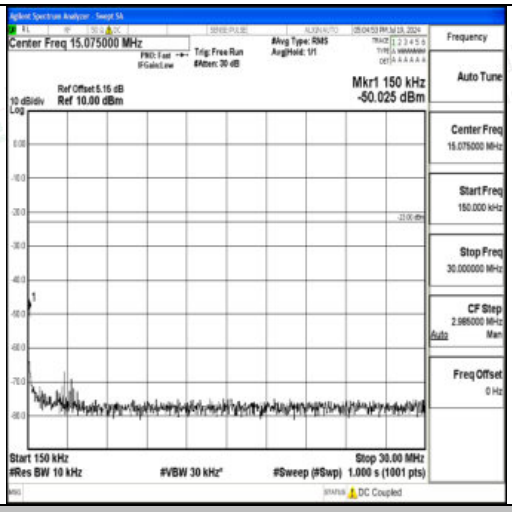
Band12_1.4MHz_16QAM_23095_1RB#0_1000~3000_1000~3000



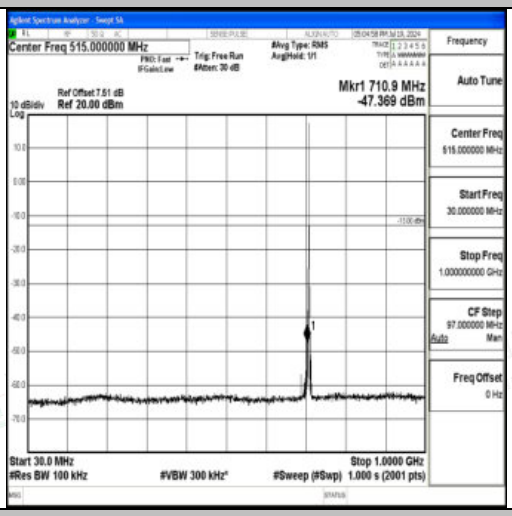
Band12_1.4MHz_16QAM_23095_1RB#0_3000~10000_3000~10000



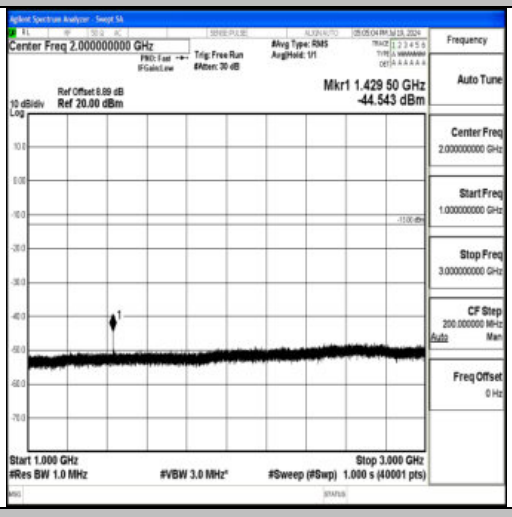
Band12_1.4MHz_QPSK_23173_1RB#0_0.009~0.15_0.009~0.15



Band12_1.4MHz_QPSK_23173_1RB#0_0.15~30_0.15~30



Band12_1.4MHz_QPSK_23173_1RB#0_30~1000_30~1000



Band12_1.4MHz_QPSK_23173_1RB#0_1000~3000_1000~3000