

Appendix for Band 12

Product Name: Covert Wireless Trail Camera

Model No: WC20

Appendix A: Average Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Result(dBm)	Verdict
Band12	1.4MHz	23017	QPSK	1	0	21.56	PASS
Band12	1.4MHz	23017	QPSK	1	5	21.53	PASS
Band12	1.4MHz	23017	QPSK	6	0	20.94	PASS
Band12	1.4MHz	23095	QPSK	1	0	21.82	PASS
Band12	1.4MHz	23095	QPSK	1	5	21.70	PASS
Band12	1.4MHz	23095	QPSK	6	0	20.78	PASS
Band12	1.4MHz	23173	QPSK	1	0	22.08	PASS
Band12	1.4MHz	23173	QPSK	1	5	22.02	PASS
Band12	1.4MHz	23173	QPSK	6	0	20.41	PASS
Band12	1.4MHz	23017	16QAM	1	0	20.74	PASS
Band12	1.4MHz	23017	16QAM	1	5	20.60	PASS
Band12	1.4MHz	23017	16QAM	6	0	20.78	PASS
Band12	1.4MHz	23095	16QAM	1	0	20.51	PASS
Band12	1.4MHz	23095	16QAM	1	5	20.53	PASS
Band12	1.4MHz	23095	16QAM	6	0	20.79	PASS
Band12	1.4MHz	23173	16QAM	1	0	21.05	PASS
Band12	1.4MHz	23173	16QAM	1	5	20.97	PASS
Band12	1.4MHz	23173	16QAM	6	0	20.51	PASS
Band12	3MHz	23025	QPSK	1	0	21.86	PASS
Band12	3MHz	23025	QPSK	1	5	21.75	PASS
Band12	3MHz	23025	QPSK	6	0	20.95	PASS
Band12	3MHz	23095	QPSK	1	0	21.59	PASS
Band12	3MHz	23095	QPSK	1	5	21.47	PASS
Band12	3MHz	23095	QPSK	6	0	20.91	PASS
Band12	3MHz	23165	QPSK	1	0	21.97	PASS
Band12	3MHz	23165	QPSK	1	5	21.97	PASS
Band12	3MHz	23165	QPSK	6	0	20.44	PASS
Band12	3MHz	23025	16QAM	1	0	20.87	PASS
Band12	3MHz	23025	16QAM	1	5	20.77	PASS
Band12	3MHz	23025	16QAM	6	0	20.84	PASS
Band12	3MHz	23095	16QAM	1	0	20.83	PASS
Band12	3MHz	23095	16QAM	1	5	20.64	PASS
Band12	3MHz	23095	16QAM	6	0	20.73	PASS
Band12	3MHz	23165	16QAM	1	0	20.82	PASS
Band12	3MHz	23165	16QAM	1	5	20.63	PASS

Band12	3MHz	23165	16QAM	6	0	20.86	PASS
Band12	5MHz	23035	QPSK	1	0	22.08	PASS
Band12	5MHz	23035	QPSK	1	5	21.79	PASS
Band12	5MHz	23035	QPSK	6	0	20.93	PASS
Band12	5MHz	23095	QPSK	1	0	22.11	PASS
Band12	5MHz	23095	QPSK	1	5	21.96	PASS
Band12	5MHz	23095	QPSK	6	0	20.97	PASS
Band12	5MHz	23155	QPSK	1	0	22.29	PASS
Band12	5MHz	23155	QPSK	1	5	21.90	PASS
Band12	5MHz	23155	QPSK	6	0	20.83	PASS
Band12	5MHz	23035	16QAM	1	0	21.73	PASS
Band12	5MHz	23035	16QAM	1	5	21.59	PASS
Band12	5MHz	23035	16QAM	6	0	20.77	PASS
Band12	5MHz	23095	16QAM	1	0	22.19	PASS
Band12	5MHz	23095	16QAM	1	5	22.03	PASS
Band12	5MHz	23095	16QAM	6	0	20.75	PASS
Band12	5MHz	23155	16QAM	1	0	21.73	PASS
Band12	5MHz	23155	16QAM	1	5	21.46	PASS
Band12	5MHz	23155	16QAM	6	0	20.95	PASS
Band12	10MHz	23060	QPSK	1	0	21.83	PASS
Band12	10MHz	23060	QPSK	1	5	21.66	PASS
Band12	10MHz	23060	QPSK	6	0	20.82	PASS
Band12	10MHz	23095	QPSK	1	0	21.84	PASS
Band12	10MHz	23095	QPSK	1	5	21.75	PASS
Band12	10MHz	23095	QPSK	6	0	20.75	PASS
Band12	10MHz	23130	QPSK	1	0	22.32	PASS
Band12	10MHz	23130	QPSK	1	5	21.92	PASS
Band12	10MHz	23130	QPSK	6	0	20.76	PASS
Band12	10MHz	23060	16QAM	1	0	21.70	PASS
Band12	10MHz	23060	16QAM	1	5	21.51	PASS
Band12	10MHz	23060	16QAM	6	0	20.66	PASS
Band12	10MHz	23095	16QAM	1	0	21.92	PASS
Band12	10MHz	23095	16QAM	1	5	21.80	PASS
Band12	10MHz	23095	16QAM	6	0	20.68	PASS
Band12	10MHz	23130	16QAM	1	0	21.59	PASS
Band12	10MHz	23130	16QAM	1	5	21.41	PASS
Band12	10MHz	23130	16QAM	6	0	20.80	PASS

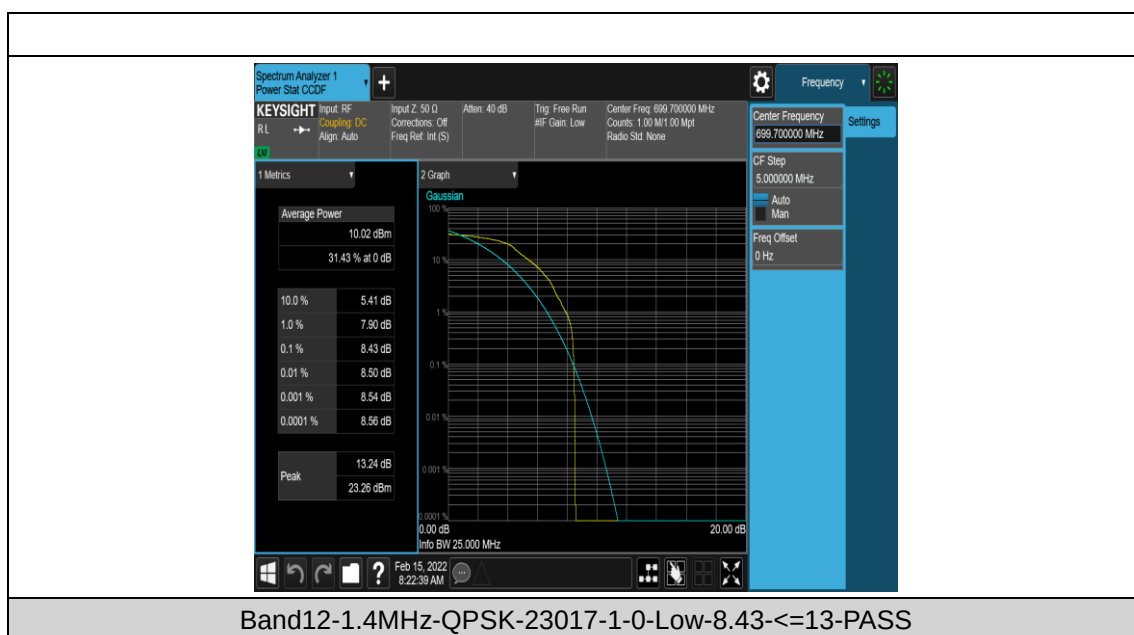
Appendix B: Peak-to-Average Ratio(CCDF) for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	23017	QPSK	1	0	8.43	<=13	PASS
Band12	1.4MHz	23017	QPSK	6	0	11.26	<=13	PASS
Band12	1.4MHz	23095	QPSK	1	0	10.06	<=13	PASS
Band12	1.4MHz	23095	QPSK	6	0	10.75	<=13	PASS
Band12	1.4MHz	23173	QPSK	1	0	10.11	<=13	PASS
Band12	1.4MHz	23173	QPSK	6	0	10.00	<=13	PASS
Band12	1.4MHz	23017	16QAM	1	0	9.37	<=13	PASS
Band12	1.4MHz	23017	16QAM	6	0	9.06	<=13	PASS
Band12	1.4MHz	23095	16QAM	1	0	9.97	<=13	PASS
Band12	1.4MHz	23095	16QAM	6	0	9.88	<=13	PASS
Band12	1.4MHz	23173	16QAM	1	0	10.31	<=13	PASS
Band12	1.4MHz	23173	16QAM	6	0	9.53	<=13	PASS
Band12	3MHz	23025	QPSK	1	0	11.01	<=13	PASS
Band12	3MHz	23025	QPSK	6	0	9.75	<=13	PASS
Band12	3MHz	23095	QPSK	1	0	9.05	<=13	PASS
Band12	3MHz	23095	QPSK	6	0	9.62	<=13	PASS
Band12	3MHz	23165	QPSK	1	0	9.12	<=13	PASS
Band12	3MHz	23165	QPSK	6	0	9.60	<=13	PASS
Band12	3MHz	23025	16QAM	1	0	11.63	<=13	PASS
Band12	3MHz	23025	16QAM	6	0	9.44	<=13	PASS
Band12	3MHz	23095	16QAM	1	0	11.83	<=13	PASS
Band12	3MHz	23095	16QAM	6	0	9.58	<=13	PASS
Band12	3MHz	23165	16QAM	1	0	9.77	<=13	PASS
Band12	3MHz	23165	16QAM	6	0	11.45	<=13	PASS
Band12	5MHz	23035	QPSK	1	0	9.68	<=13	PASS
Band12	5MHz	23035	QPSK	6	0	10.13	<=13	PASS
Band12	5MHz	23095	QPSK	1	0	9.91	<=13	PASS
Band12	5MHz	23095	QPSK	6	0	9.52	<=13	PASS
Band12	5MHz	23155	QPSK	1	0	9.46	<=13	PASS
Band12	5MHz	23155	QPSK	6	0	9.19	<=13	PASS
Band12	5MHz	23035	16QAM	1	0	8.89	<=13	PASS
Band12	5MHz	23035	16QAM	6	0	10.04	<=13	PASS
Band12	5MHz	23095	16QAM	1	0	10.70	<=13	PASS
Band12	5MHz	23095	16QAM	6	0	9.98	<=13	PASS

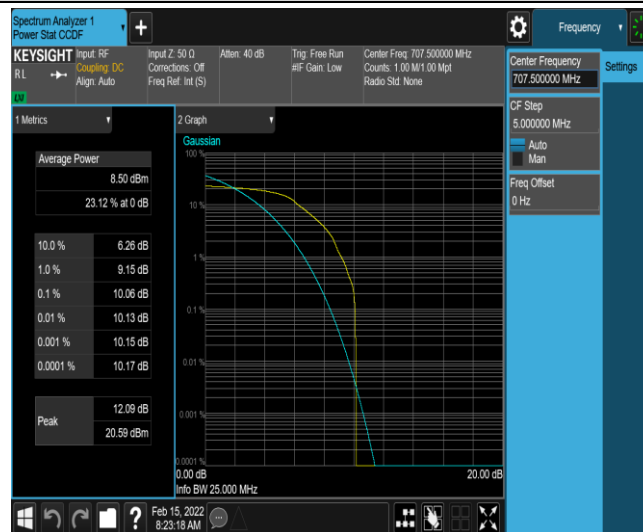
Band12	5MHz	23155	16QAM	1	0	9.22	<=13	PASS
Band12	5MHz	23155	16QAM	6	0	10.44	<=13	PASS
Band12	10MHz	23060	QPSK	1	0	11.75	<=13	PASS
Band12	10MHz	23060	QPSK	6	0	10.65	<=13	PASS
Band12	10MHz	23095	QPSK	1	0	10.18	<=13	PASS
Band12	10MHz	23095	QPSK	6	0	9.41	<=13	PASS
Band12	10MHz	23130	QPSK	1	0	10.10	<=13	PASS
Band12	10MHz	23130	QPSK	6	0	8.25	<=13	PASS
Band12	10MHz	23060	16QAM	1	0	8.95	<=13	PASS
Band12	10MHz	23060	16QAM	6	0	11.42	<=13	PASS
Band12	10MHz	23095	16QAM	1	0	9.50	<=13	PASS
Band12	10MHz	23095	16QAM	6	0	9.83	<=13	PASS
Band12	10MHz	23130	16QAM	1	0	8.83	<=13	PASS
Band12	10MHz	23130	16QAM	6	0	10.03	<=13	PASS

Test Graphs

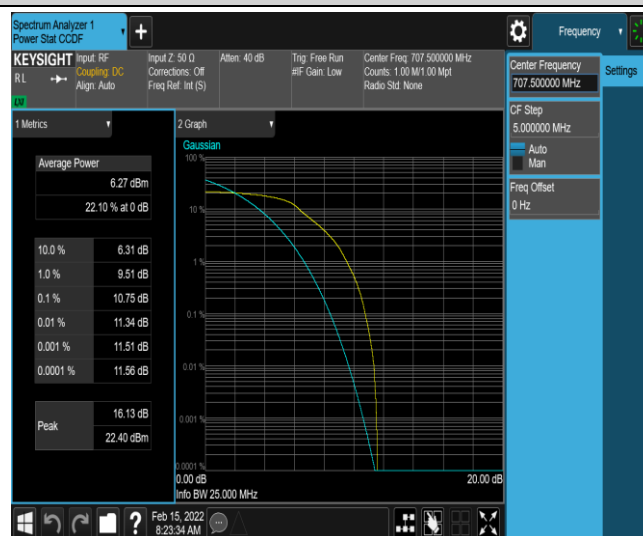




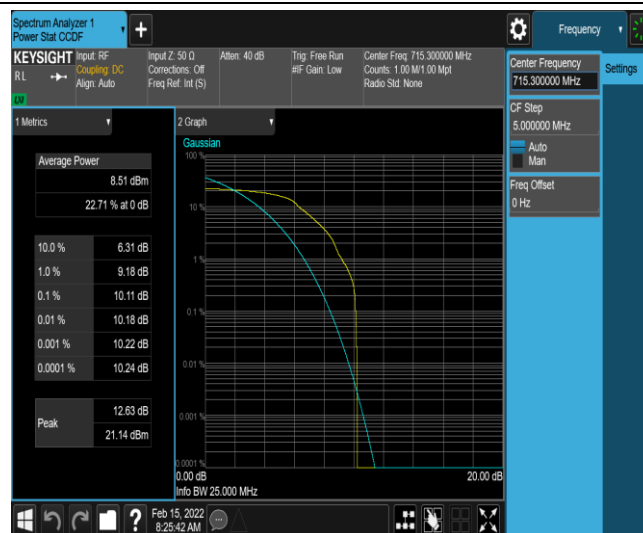
Band12-1.4MHz-QPSK-23017-6-0-Low-11.26-<=13-PASS



Band12-1.4MHz-QPSK-23095-1-0-Low-10.06-<=13-PASS



Band12-1.4MHz-QPSK-23095-6-0-Low-10.75-<=13-PASS



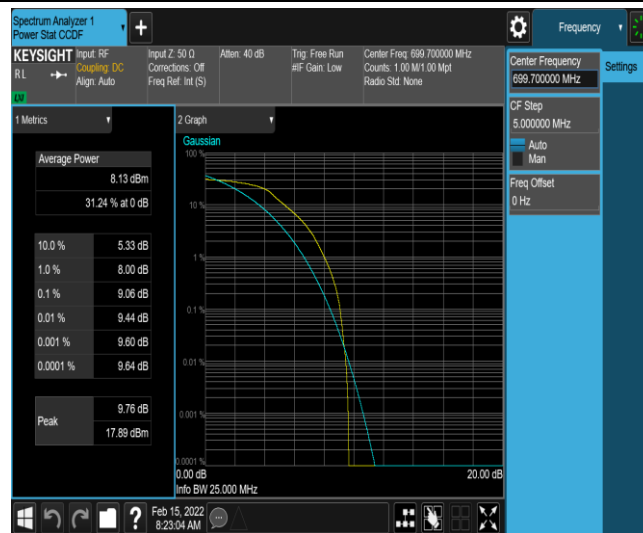
Band12-1.4MHz-QPSK-23173-1-0-High-10.11-<=13-PASS



Band12-1.4MHz-QPSK-23173-6-0-High-10.00-<=13-PASS



Band12-1.4MHz-16QAM-23017-1-0-Low-9.37-<=13-PASS



Band12-1.4MHz-16QAM-23017-6-0-Low-9.06-<=13-PASS



Band12-1.4MHz-16QAM-23095-1-0-Low-9.97-<=13-PASS



Band12-1.4MHz-16QAM-23095-6-0-Low-9.88-<=13-PASS



Band12-1.4MHz-16QAM-23173-1-0-High-10.31-<=13-PASS



Band12-1.4MHz-16QAM-23173-6-0-High-9.53-<=13-PASS



Band12-3MHz-QPSK-23025-1-0-Low-11.01-<=13-PASS



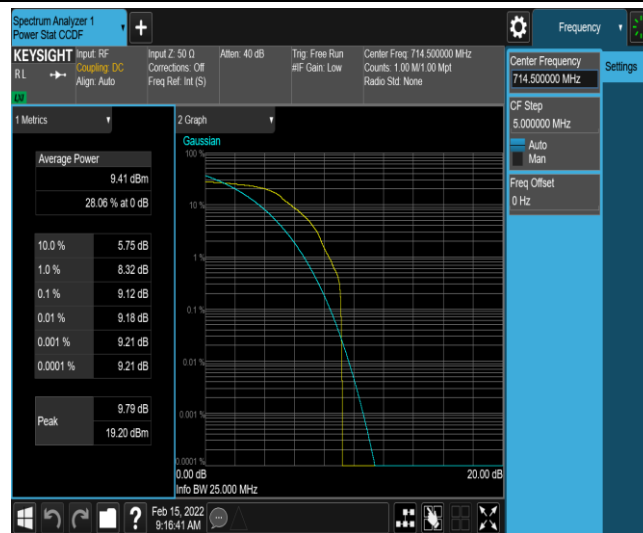
Band12-3MHz-QPSK-23025-6-0-Low-9.75-<=13-PASS



Band12-3MHz-QPSK-23095-1-0-Low-9.05-<=13-PASS



Band12-3MHz-QPSK-23095-6-0-Low-9.62-<=13-PASS



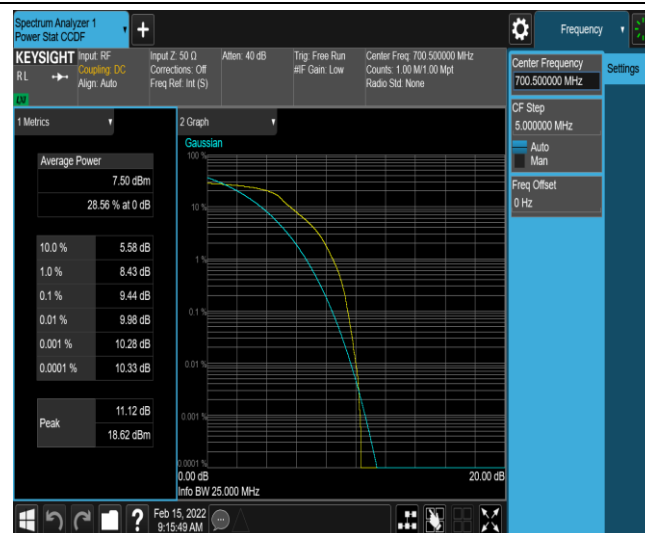
Band12-3MHz-QPSK-23165-1-0-High-9.12-<=13-PASS



Band12-3MHz-QPSK-23165-6-0-High-9.60-<=13-PASS



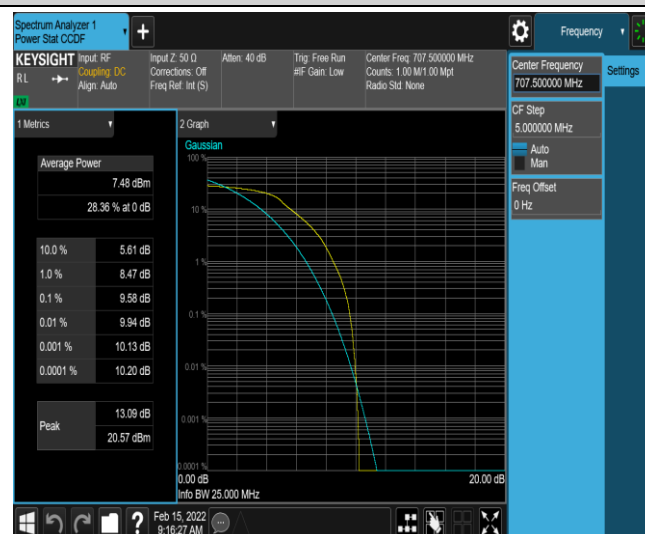
Band12-3MHz-16QAM-23025-1-0-Low-11.63-<=13-PASS



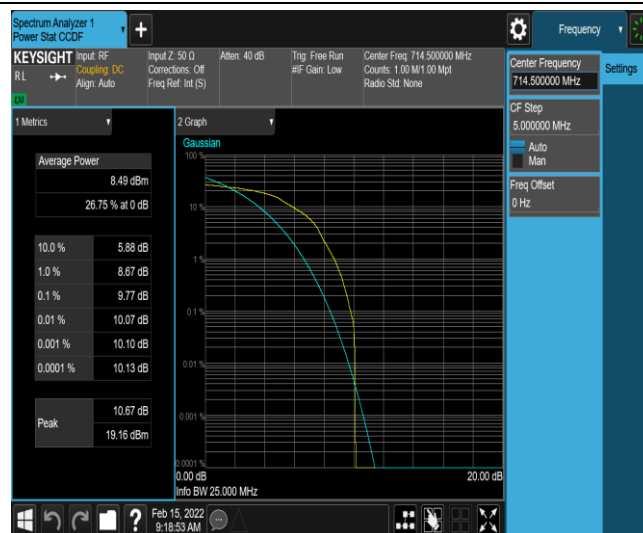
Band12-3MHz-16QAM-23025-6-0-Low-9.44-<=13-PASS



Band12-3MHz-16QAM-23095-1-0-Low-11.83-<=13-PASS



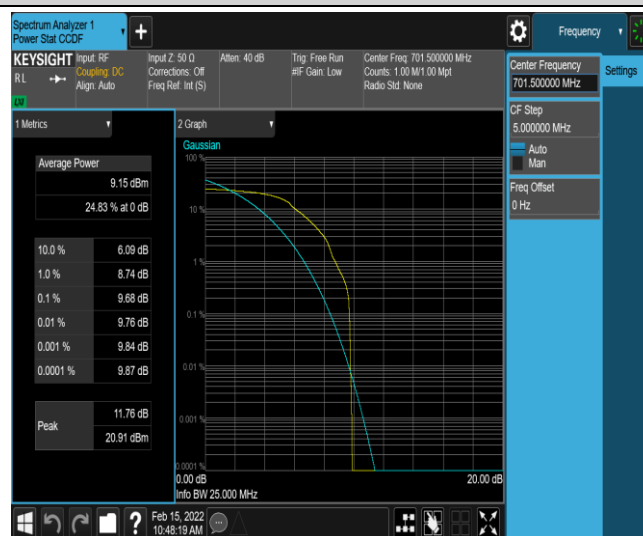
Band12-3MHz-16QAM-23095-6-0-Low-9.58-<=13-PASS



Band12-3MHz-16QAM-23165-1-0-High-9.77-<=13-PASS



Band12-3MHz-16QAM-23165-6-0-High-11.45-<=13-PASS



Band12-5MHz-QPSK-23035-1-0-Low-9.68-<=13-PASS



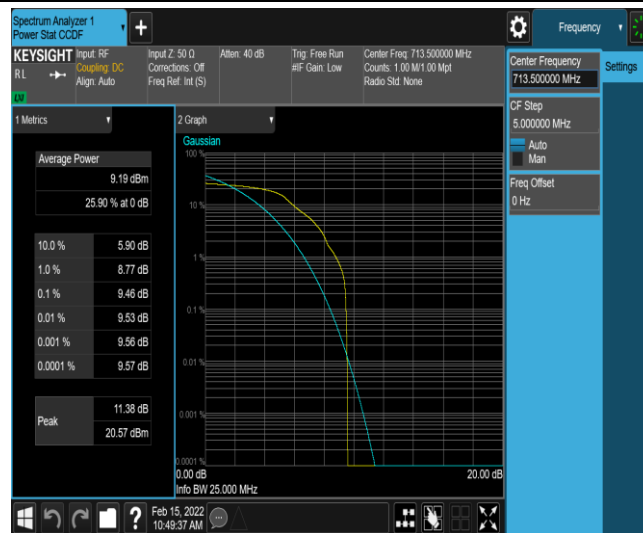
Band12-5MHz-QPSK-23035-6-0-Low-10.13-<=13-PASS



Band12-5MHz-QPSK-23095-1-0-Low-9.91-<=13-PASS



Band12-5MHz-QPSK-23095-6-0-Low-9.52-<=13-PASS



Band12-5MHz-QPSK-23155-1-0-High-9.46-<=13-PASS



Band12-5MHz-QPSK-23155-6-0-High-9.19-<=13-PASS



Band12-5MHz-16QAM-23035-1-0-Low-8.89-<=13-PASS



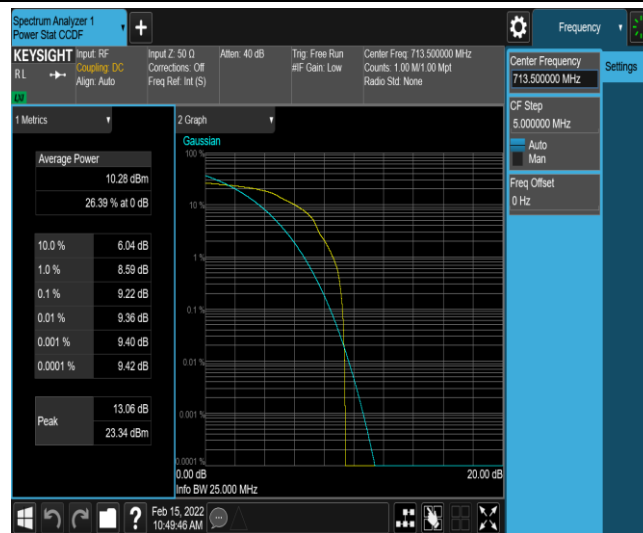
Band12-5MHz-16QAM-23035-6-0-Low-10.04-<=13-PASS



Band12-5MHz-16QAM-23095-1-0-Low-10.70-<=13-PASS



Band12-5MHz-16QAM-23095-6-0-Low-9.98-<=13-PASS



Band12-5MHz-16QAM-23155-1-0-High-9.22-<=13-PASS



Band12-5MHz-16QAM-23155-6-0-High-10.44-<=13-PASS



Band12-10MHz-QPSK-23060-1-0-Low-11.75-<=13-PASS



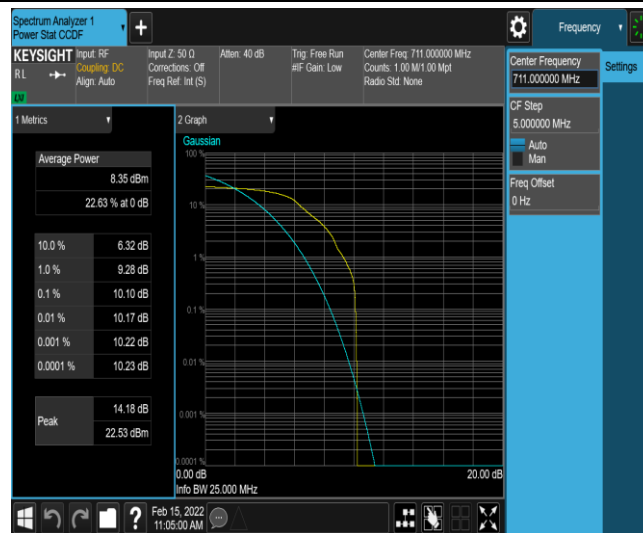
Band12-10MHz-QPSK-23060-6-0-Low-10.65-<=13-PASS



Band12-10MHz-QPSK-23095-1-0-Low-10.18-<=13-PASS



Band12-10MHz-QPSK-23095-6-0-Low-9.41-<=13-PASS



Band12-10MHz-QPSK-23130-1-0-High-10.10-<=13-PASS



Band12-10MHz-QPSK-23130-6-0-High-8.25-<=13-PASS



Band12-10MHz-16QAM-23060-1-0-Low-8.95-<=13-PASS



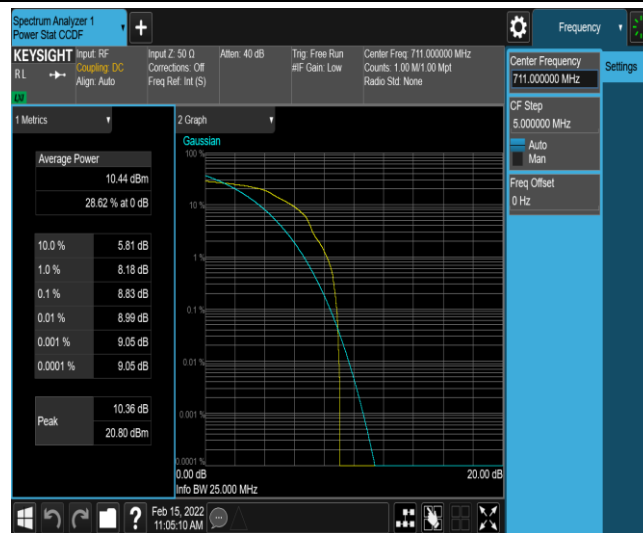
Band12-10MHz-16QAM-23060-6-0-Low-11.42-<=13-PASS



Band12-10MHz-16QAM-23095-1-0-Low-9.50-<=13-PASS



Band12-10MHz-16QAM-23095-6-0-Low-9.83-<=13-PASS



Band12-10MHz-16QAM-23130-1-0-High-8.83-<=13-PASS



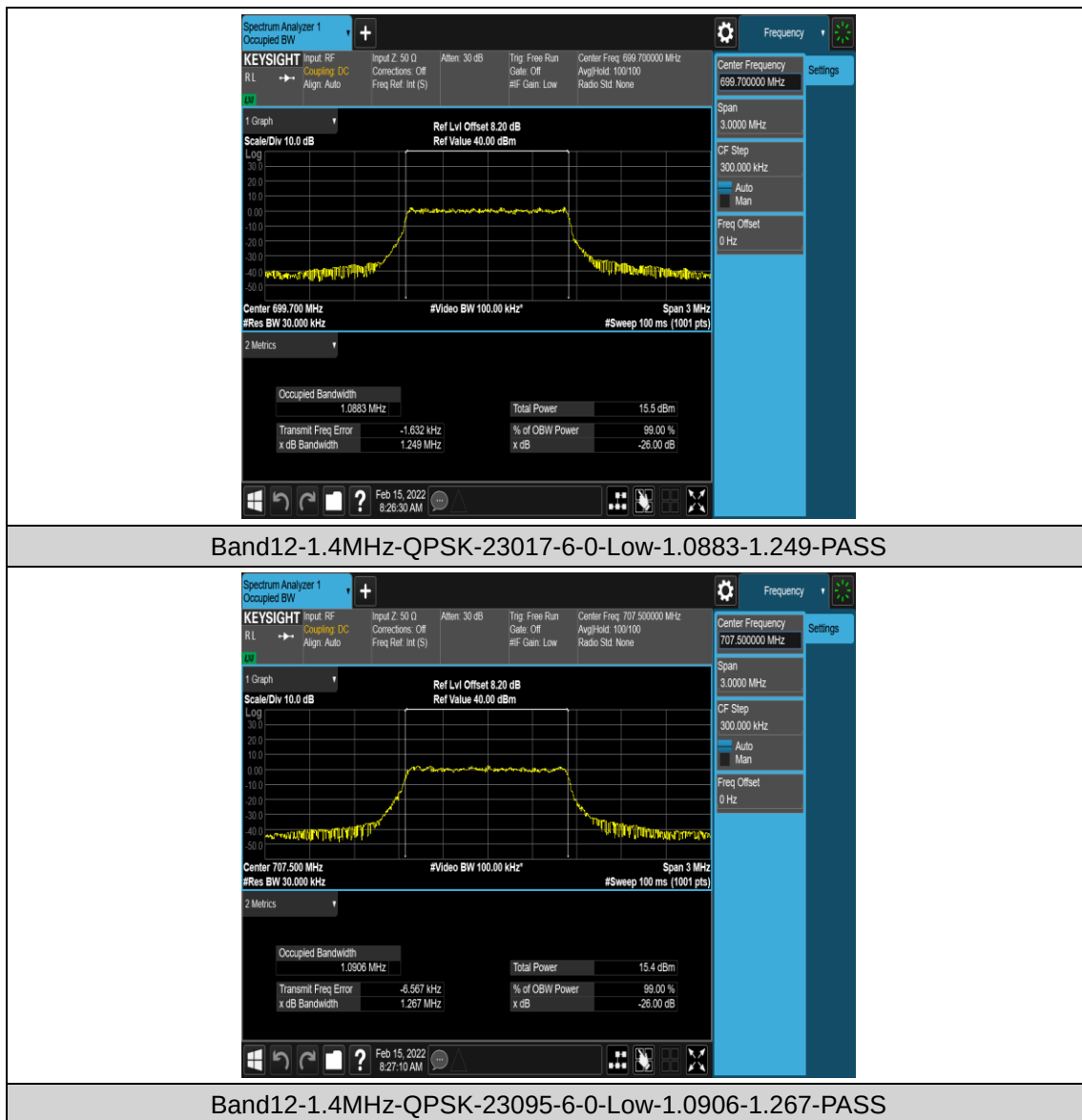
Band12-10MHz-16QAM-23130-6-0-High-10.03-<=13-PASS

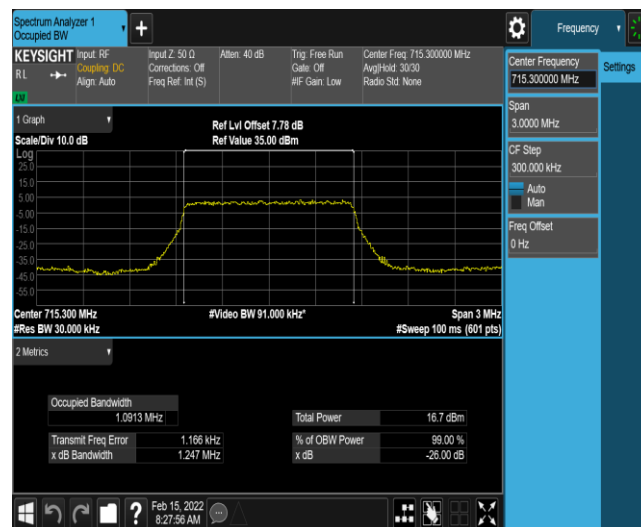
Appendix C: 26dB Bandwidth and Occupied Bandwidth for M1

Test Result

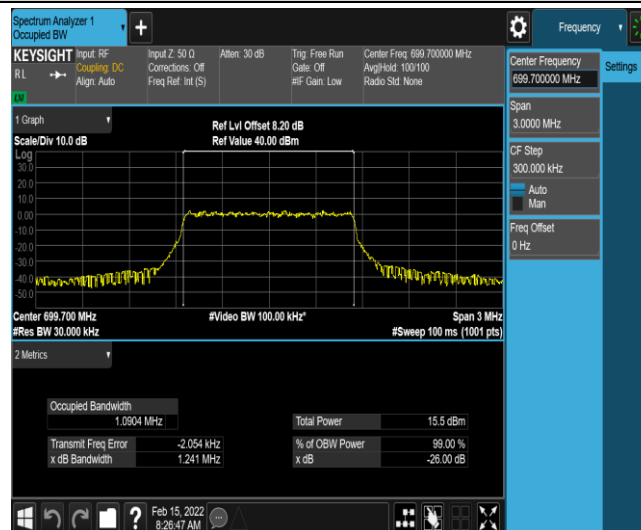
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	23017	QPSK	6	0	1.0883	1.249	PASS
Band12	1.4MHz	23095	QPSK	6	0	1.0906	1.267	PASS
Band12	1.4MHz	23173	QPSK	6	0	1.0913	1.247	PASS
Band12	1.4MHz	23017	16QAM	6	0	1.0904	1.241	PASS
Band12	1.4MHz	23095	16QAM	6	0	1.0884	1.262	PASS
Band12	1.4MHz	23173	16QAM	6	0	1.0882	1.261	PASS
Band12	3MHz	23025	QPSK	6	0	1.1079	1.283	PASS
Band12	3MHz	23095	QPSK	6	0	1.1086	1.281	PASS
Band12	3MHz	23165	QPSK	6	0	1.1089	1.290	PASS
Band12	3MHz	23025	16QAM	6	0	1.1060	1.271	PASS
Band12	3MHz	23095	16QAM	6	0	1.1103	1.275	PASS
Band12	3MHz	23165	16QAM	6	0	1.1041	1.284	PASS
Band12	5MHz	23035	QPSK	6	0	1.1709	1.370	PASS
Band12	5MHz	23095	QPSK	6	0	1.1601	1.342	PASS
Band12	5MHz	23155	QPSK	6	0	1.1613	1.360	PASS
Band12	5MHz	23035	16QAM	6	0	1.1760	1.367	PASS
Band12	5MHz	23095	16QAM	6	0	1.1571	1.337	PASS
Band12	5MHz	23155	16QAM	6	0	1.1597	1.366	PASS
Band12	10MHz	23060	QPSK	6	0	1.3026	1.566	PASS
Band12	10MHz	23095	QPSK	6	0	1.2984	1.561	PASS
Band12	10MHz	23130	QPSK	6	0	1.2955	1.568	PASS
Band12	10MHz	23060	16QAM	6	0	1.3014	1.568	PASS
Band12	10MHz	23095	16QAM	6	0	1.3024	1.567	PASS
Band12	10MHz	23130	16QAM	6	0	1.2967	1.565	PASS

Test Graphs

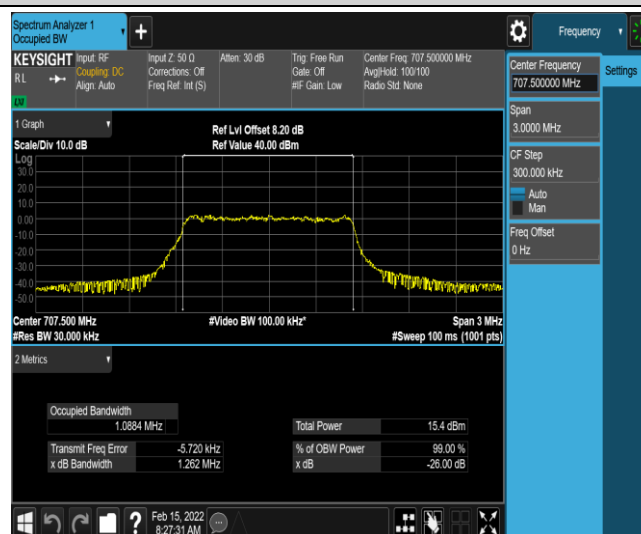




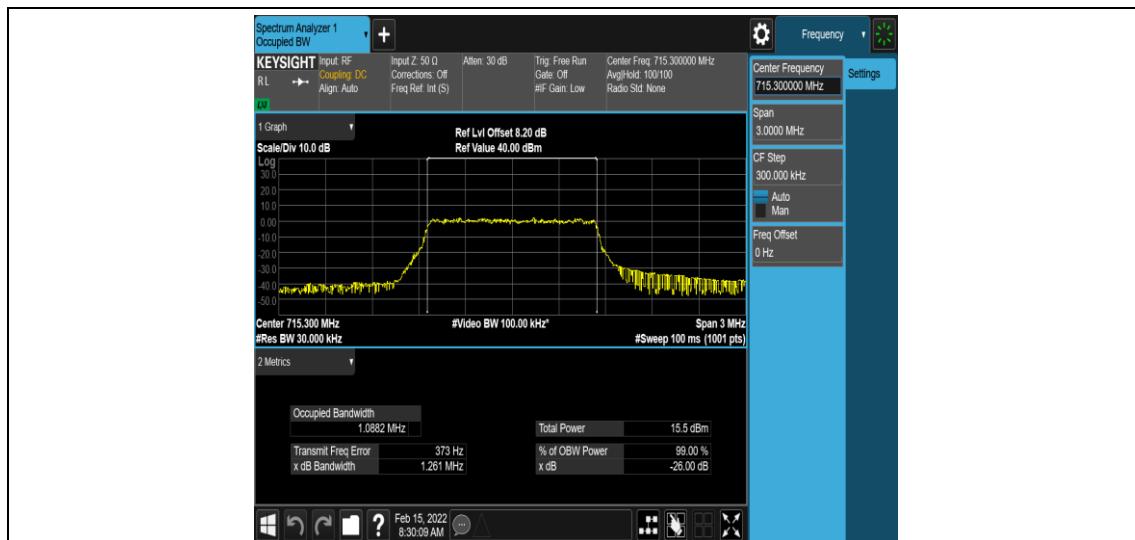
Band12-1.4MHz-QPSK-23173-6-0-High-1.0913-1.247-PASS



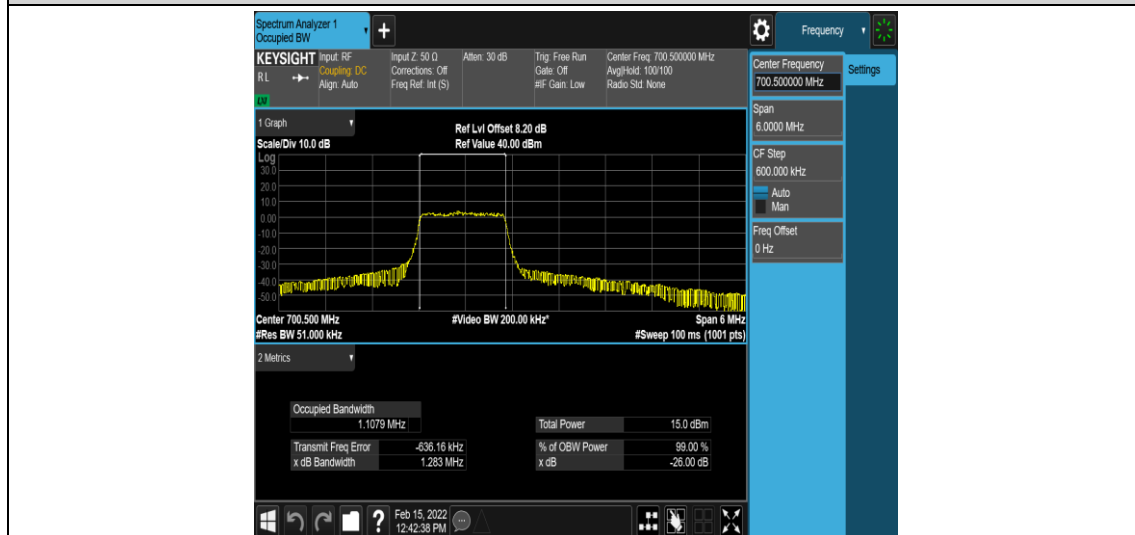
Band12-1.4MHz-16QAM-23017-6-0-Low-1.0904-1.241-PASS



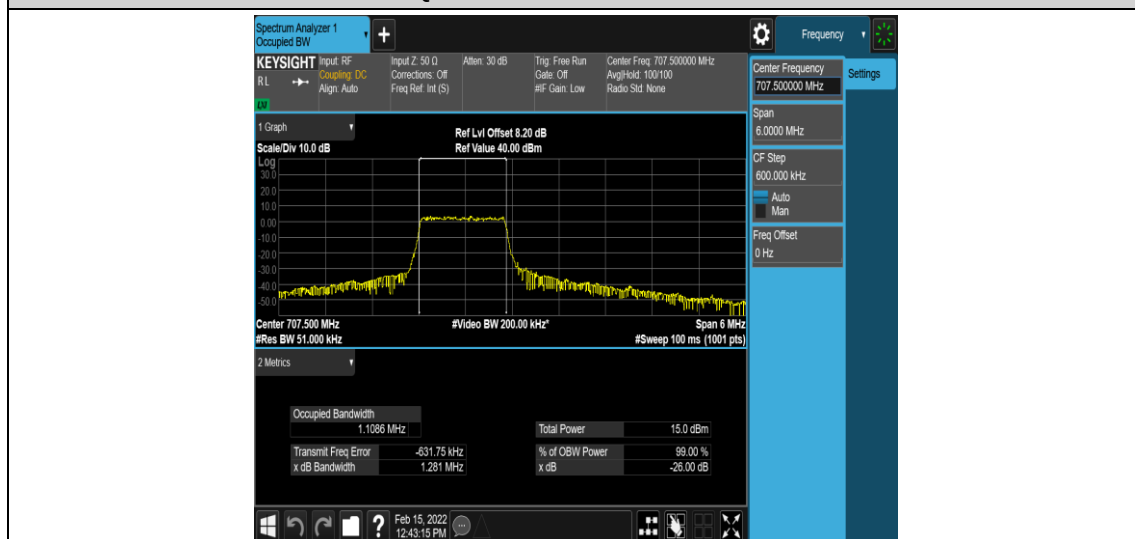
Band12-1.4MHz-16QAM-23095-6-0-Low-1.0884-1.262-PASS



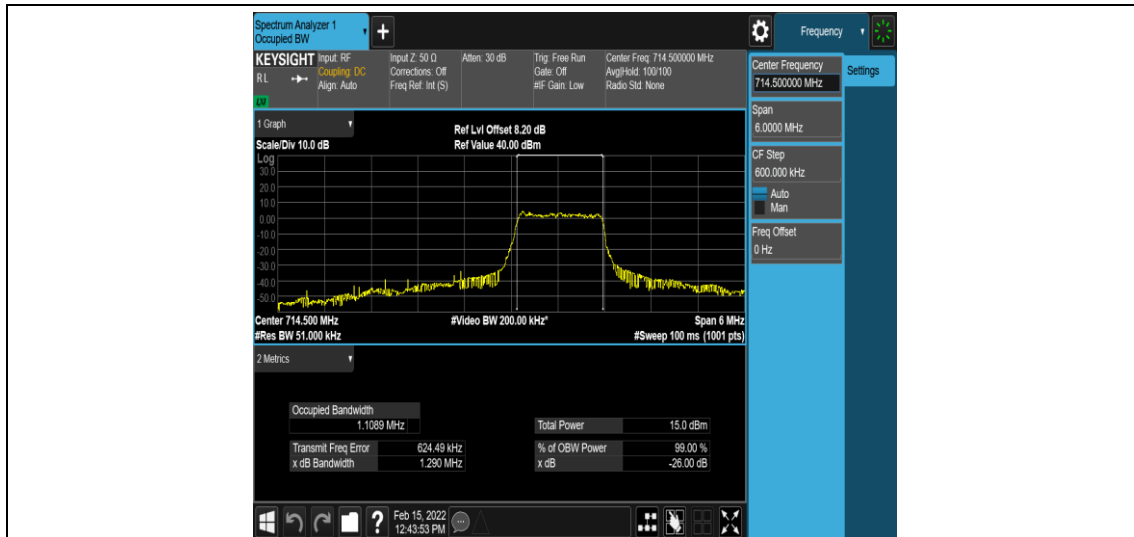
Band12-1.4MHz-16QAM-23173-6-0-High-1.0882-1.261-PASS



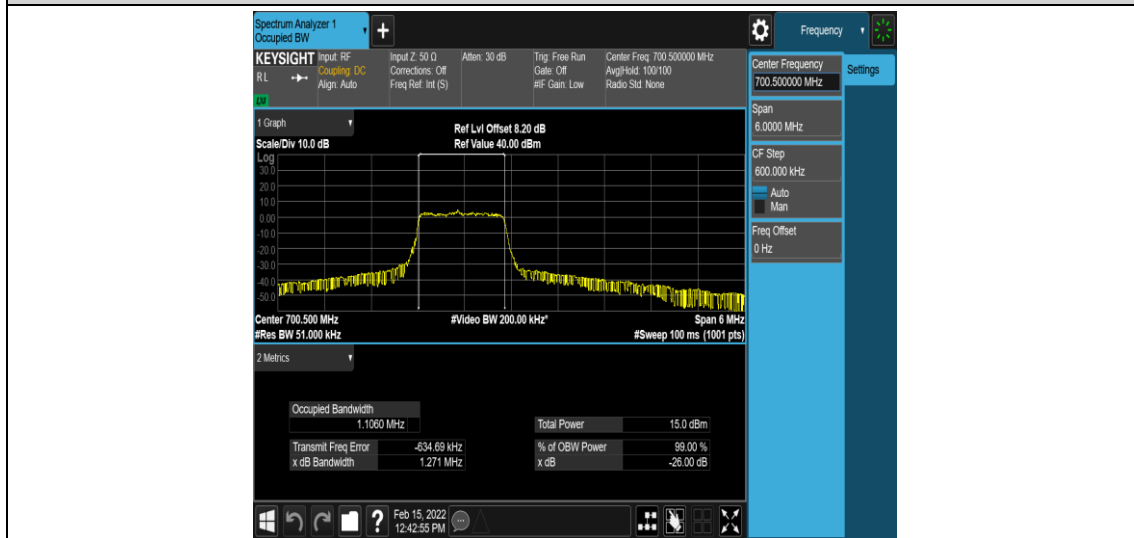
Band12-3MHz-QPSK-23025-6-0-Low-1.1079-1.283-PASS



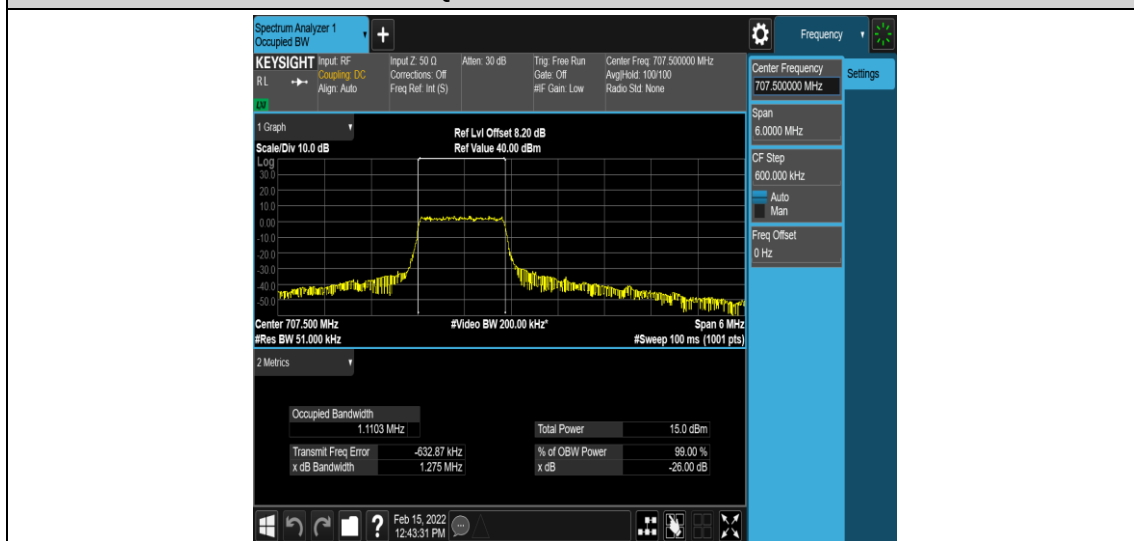
Band12-3MHz-QPSK-23095-6-0-Low-1.1086-1.281-PASS



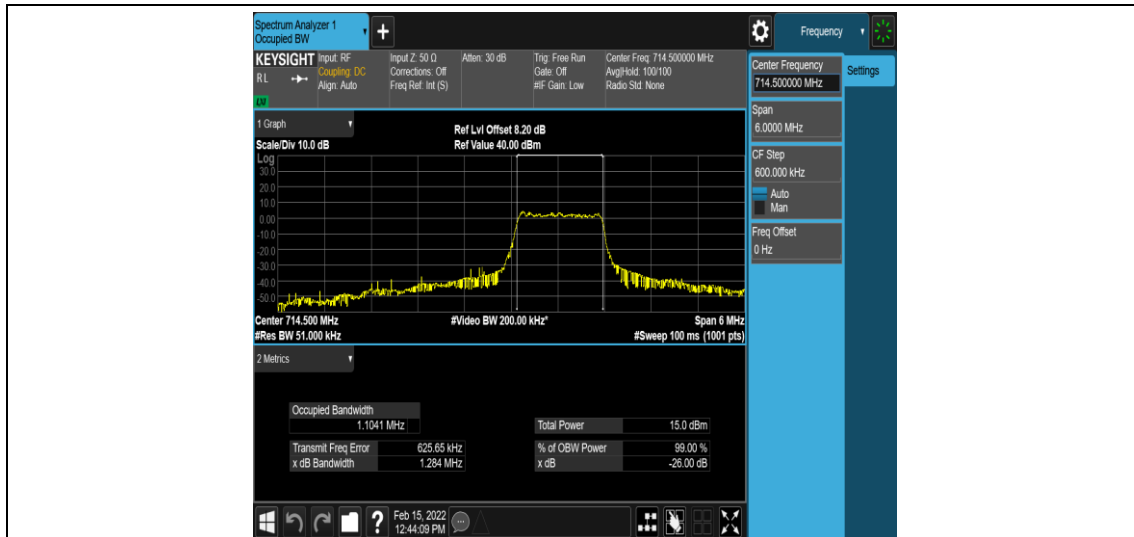
Band12-3MHz-QPSK-23165-6-0-High-1.1089-1.290-PASS



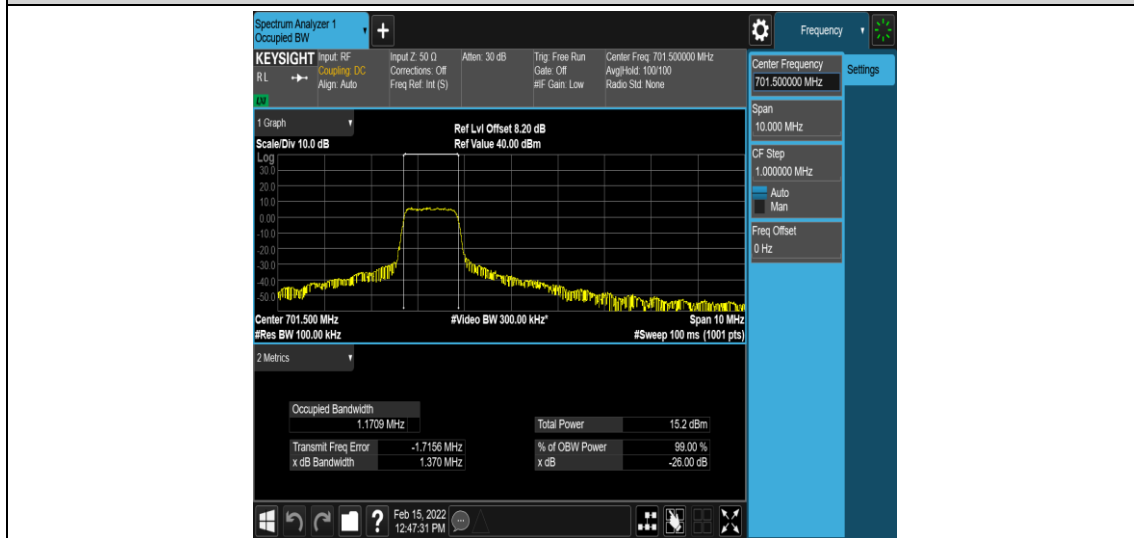
Band12-3MHz-16QAM-23025-6-0-Low-1.1060-1.271-PASS



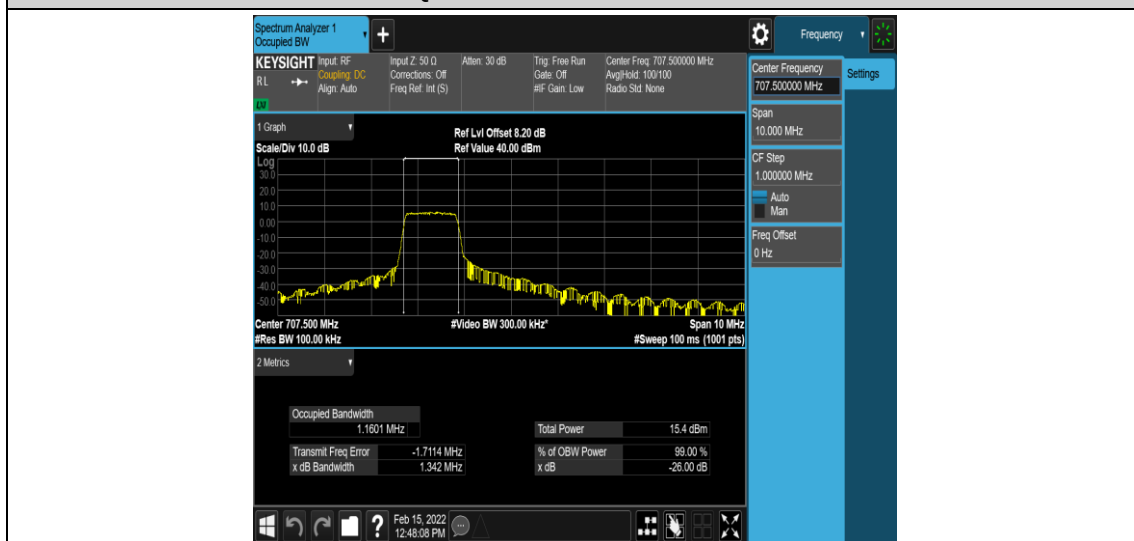
Band12-3MHz-16QAM-23095-6-0-Low-1.1103-1.275-PASS



Band12-3MHz-16QAM-23165-6-0-High-1.1041-1.284-PASS



Band12-5MHz-QPSK-23035-6-0-Low-1.1709-1.370-PASS



Band12-5MHz-QPSK-23095-6-0-Low-1.1601-1.342-PASS