

Appendix for Band 12

Report No.: BCTC2411327947-6E

Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY
CO.,LTD

Product Name: Smart Phone

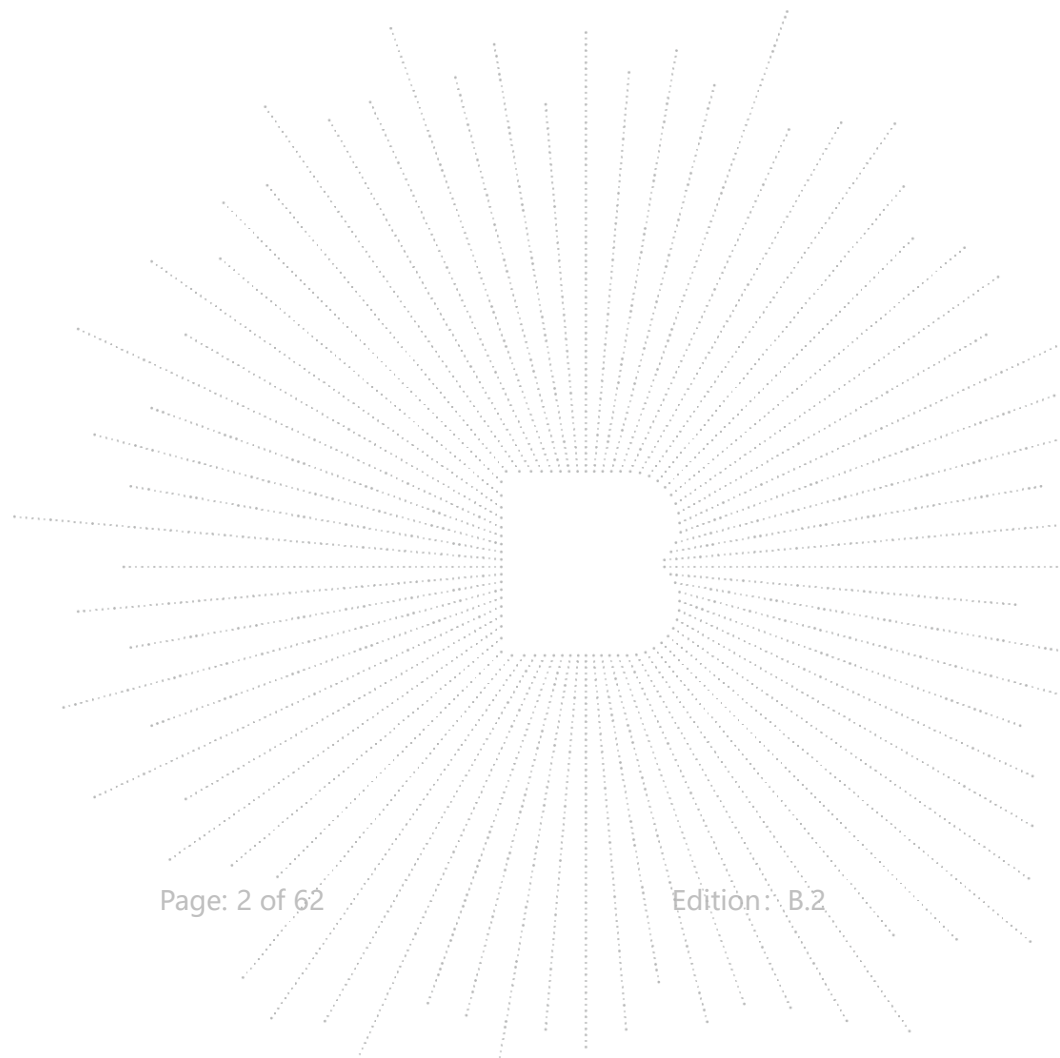
Test Model: C59

Tested Date: 2024-11-22 to 2025-02-25

Shenzhen BCTC Testing Co., Ltd.

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Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

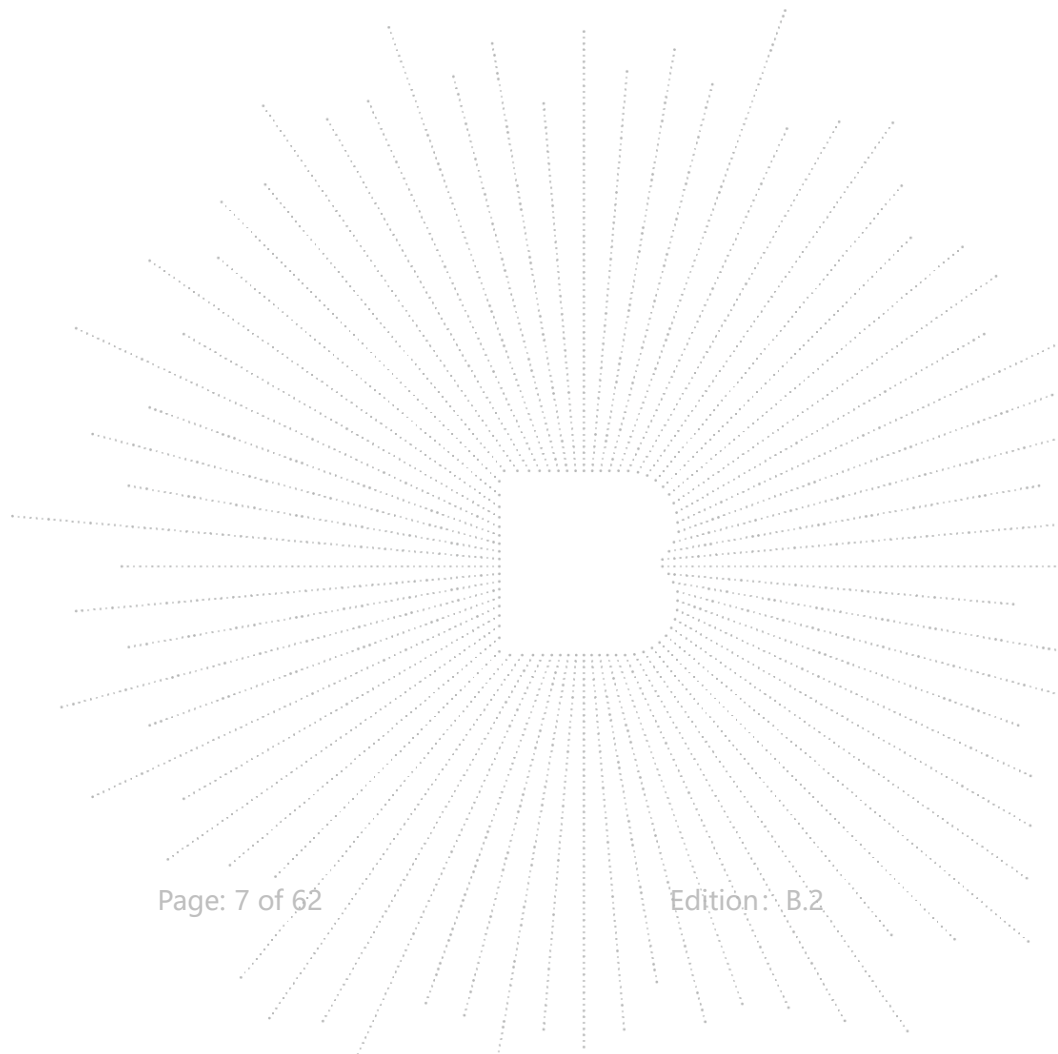
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	24.38	-4.25	17.98	PASS
Band12	1.4	23017	1	#Mid	QPSK	24.35	-4.25	17.95	PASS
Band12	1.4	23017	1	#Max	QPSK	24.32	-4.25	17.92	PASS
Band12	1.4	23017	3	#0	QPSK	24.29	-4.25	17.89	PASS
Band12	1.4	23017	3	#Mid	QPSK	24.37	-4.25	17.97	PASS
Band12	1.4	23017	3	#Max	QPSK	24.32	-4.25	17.92	PASS
Band12	1.4	23017	6	#0	QPSK	23.69	-4.25	17.29	PASS
Band12	1.4	23017	1	#0	16QAM	24.55	-4.25	18.15	PASS
Band12	1.4	23017	1	#Mid	16QAM	24.55	-4.25	18.15	PASS
Band12	1.4	23017	1	#Max	16QAM	24.60	-4.25	18.20	PASS
Band12	1.4	23017	3	#0	16QAM	23.87	-4.25	17.47	PASS
Band12	1.4	23017	3	#Mid	16QAM	23.87	-4.25	17.47	PASS
Band12	1.4	23017	3	#Max	16QAM	23.88	-4.25	17.48	PASS
Band12	1.4	23017	6	#0	16QAM	22.66	-4.25	16.26	PASS
Band12	1.4	23095	1	#0	QPSK	24.49	-4.25	18.09	PASS
Band12	1.4	23095	1	#Mid	QPSK	24.42	-4.25	18.02	PASS
Band12	1.4	23095	1	#Max	QPSK	24.56	-4.25	18.16	PASS
Band12	1.4	23095	3	#0	QPSK	24.36	-4.25	17.96	PASS
Band12	1.4	23095	3	#Mid	QPSK	24.38	-4.25	17.98	PASS
Band12	1.4	23095	3	#Max	QPSK	24.30	-4.25	17.90	PASS
Band12	1.4	23095	6	#0	QPSK	23.50	-4.25	17.10	PASS
Band12	1.4	23095	1	#0	16QAM	23.28	-4.25	16.88	PASS
Band12	1.4	23095	1	#Mid	16QAM	23.45	-4.25	17.05	PASS
Band12	1.4	23095	1	#Max	16QAM	23.46	-4.25	17.06	PASS
Band12	1.4	23095	3	#0	16QAM	23.44	-4.25	17.04	PASS
Band12	1.4	23095	3	#Mid	16QAM	23.51	-4.25	17.11	PASS
Band12	1.4	23095	3	#Max	16QAM	23.54	-4.25	17.14	PASS
Band12	1.4	23095	6	#0	16QAM	22.68	-4.25	16.28	PASS
Band12	1.4	23173	1	#0	QPSK	24.22	-4.25	17.82	PASS
Band12	1.4	23173	1	#Mid	QPSK	24.26	-4.25	17.86	PASS
Band12	1.4	23173	1	#Max	QPSK	24.09	-4.25	17.69	PASS
Band12	1.4	23173	3	#0	QPSK	24.19	-4.25	17.79	PASS
Band12	1.4	23173	3	#Mid	QPSK	24.15	-4.25	17.75	PASS
Band12	1.4	23173	3	#Max	QPSK	24.13	-4.25	17.73	PASS
Band12	1.4	23173	6	#0	QPSK	23.16	-4.25	16.76	PASS
Band12	1.4	23173	1	#0	16QAM	23.19	-4.25	16.79	PASS

Band12	1.4	23173	1	#Mid	16QAM	23.18	-4.25	16.78	PASS
Band12	1.4	23173	1	#Max	16QAM	23.18	-4.25	16.78	PASS
Band12	1.4	23173	3	#0	16QAM	23.08	-4.25	16.68	PASS
Band12	1.4	23173	3	#Mid	16QAM	23.13	-4.25	16.73	PASS
Band12	1.4	23173	3	#Max	16QAM	23.11	-4.25	16.71	PASS
Band12	1.4	23173	6	#0	16QAM	22.35	-4.25	15.95	PASS
Band12	3	23025	1	#0	QPSK	24.76	-4.25	18.36	PASS
Band12	3	23025	1	#Mid	QPSK	24.23	-4.25	17.83	PASS
Band12	3	23025	1	#Max	QPSK	24.36	-4.25	17.96	PASS
Band12	3	23025	8	#0	QPSK	23.71	-4.25	17.31	PASS
Band12	3	23025	8	#Mid	QPSK	23.70	-4.25	17.30	PASS
Band12	3	23025	8	#Max	QPSK	23.62	-4.25	17.22	PASS
Band12	3	23025	15	#0	QPSK	23.75	-4.25	17.35	PASS
Band12	3	23025	1	#0	16QAM	24.52	-4.25	18.12	PASS
Band12	3	23025	1	#Mid	16QAM	24.56	-4.25	18.16	PASS
Band12	3	23025	1	#Max	16QAM	24.37	-4.25	17.97	PASS
Band12	3	23025	8	#0	16QAM	22.52	-4.25	16.12	PASS
Band12	3	23025	8	#Mid	16QAM	22.59	-4.25	16.19	PASS
Band12	3	23025	8	#Max	16QAM	22.43	-4.25	16.03	PASS
Band12	3	23025	15	#0	16QAM	22.74	-4.25	16.34	PASS
Band12	3	23095	1	#0	QPSK	24.45	-4.25	18.05	PASS
Band12	3	23095	1	#Mid	QPSK	24.51	-4.25	18.11	PASS
Band12	3	23095	1	#Max	QPSK	24.62	-4.25	18.22	PASS
Band12	3	23095	8	#0	QPSK	23.39	-4.25	16.99	PASS
Band12	3	23095	8	#Mid	QPSK	23.47	-4.25	17.07	PASS
Band12	3	23095	8	#Max	QPSK	23.52	-4.25	17.12	PASS
Band12	3	23095	15	#0	QPSK	23.51	-4.25	17.11	PASS
Band12	3	23095	1	#0	16QAM	23.35	-4.25	16.95	PASS
Band12	3	23095	1	#Mid	16QAM	23.45	-4.25	17.05	PASS
Band12	3	23095	1	#Max	16QAM	23.43	-4.25	17.03	PASS
Band12	3	23095	8	#0	16QAM	22.29	-4.25	15.89	PASS
Band12	3	23095	8	#Mid	16QAM	22.46	-4.25	16.06	PASS
Band12	3	23095	8	#Max	16QAM	22.44	-4.25	16.04	PASS
Band12	3	23095	15	#0	16QAM	22.46	-4.25	16.06	PASS
Band12	3	23165	1	#0	QPSK	24.32	-4.25	17.92	PASS
Band12	3	23165	1	#Mid	QPSK	24.23	-4.25	17.83	PASS
Band12	3	23165	1	#Max	QPSK	24.31	-4.25	17.91	PASS
Band12	3	23165	8	#0	QPSK	23.17	-4.25	16.77	PASS
Band12	3	23165	8	#Mid	QPSK	23.17	-4.25	16.77	PASS
Band12	3	23165	8	#Max	QPSK	23.24	-4.25	16.84	PASS
Band12	3	23165	15	#0	QPSK	23.30	-4.25	16.90	PASS
Band12	3	23165	1	#0	16QAM	23.29	-4.25	16.89	PASS
Band12	3	23165	1	#Mid	16QAM	23.26	-4.25	16.86	PASS

Band12	3	23165	1	#Max	16QAM	23.24	-4.25	16.84	PASS
Band12	3	23165	8	#0	16QAM	22.25	-4.25	15.85	PASS
Band12	3	23165	8	#Mid	16QAM	22.26	-4.25	15.86	PASS
Band12	3	23165	8	#Max	16QAM	22.24	-4.25	15.84	PASS
Band12	3	23165	15	#0	16QAM	22.24	-4.25	15.84	PASS
Band12	5	23035	1	#0	QPSK	24.22	-4.25	17.82	PASS
Band12	5	23035	1	#Mid	QPSK	24.34	-4.25	17.94	PASS
Band12	5	23035	1	#Max	QPSK	24.27	-4.25	17.87	PASS
Band12	5	23035	12	#0	QPSK	23.67	-4.25	17.27	PASS
Band12	5	23035	12	#Mid	QPSK	23.52	-4.25	17.12	PASS
Band12	5	23035	12	#Max	QPSK	23.44	-4.25	17.04	PASS
Band12	5	23035	25	#0	QPSK	23.49	-4.25	17.09	PASS
Band12	5	23035	1	#0	16QAM	23.77	-4.25	17.37	PASS
Band12	5	23035	1	#Mid	16QAM	23.61	-4.25	17.21	PASS
Band12	5	23035	1	#Max	16QAM	23.59	-4.25	17.19	PASS
Band12	5	23035	12	#0	16QAM	22.65	-4.25	16.25	PASS
Band12	5	23035	12	#Mid	16QAM	22.45	-4.25	16.05	PASS
Band12	5	23035	12	#Max	16QAM	22.41	-4.25	16.01	PASS
Band12	5	23035	25	#0	16QAM	22.65	-4.25	16.25	PASS
Band12	5	23095	1	#0	QPSK	24.39	-4.25	17.99	PASS
Band12	5	23095	1	#Mid	QPSK	24.40	-4.25	18.00	PASS
Band12	5	23095	1	#Max	QPSK	24.38	-4.25	17.98	PASS
Band12	5	23095	12	#0	QPSK	23.31	-4.25	16.91	PASS
Band12	5	23095	12	#Mid	QPSK	23.46	-4.25	17.06	PASS
Band12	5	23095	12	#Max	QPSK	23.49	-4.25	17.09	PASS
Band12	5	23095	25	#0	QPSK	23.45	-4.25	17.05	PASS
Band12	5	23095	1	#0	16QAM	23.43	-4.25	17.03	PASS
Band12	5	23095	1	#Mid	16QAM	23.56	-4.25	17.16	PASS
Band12	5	23095	1	#Max	16QAM	23.27	-4.25	16.87	PASS
Band12	5	23095	12	#0	16QAM	22.11	-4.25	15.71	PASS
Band12	5	23095	12	#Mid	16QAM	22.32	-4.25	15.92	PASS
Band12	5	23095	12	#Max	16QAM	22.23	-4.25	15.83	PASS
Band12	5	23095	25	#0	16QAM	22.48	-4.25	16.08	PASS
Band12	5	23155	1	#0	QPSK	24.11	-4.25	17.71	PASS
Band12	5	23155	1	#Mid	QPSK	24.03	-4.25	17.63	PASS
Band12	5	23155	1	#Max	QPSK	24.02	-4.25	17.62	PASS
Band12	5	23155	12	#0	QPSK	23.24	-4.25	16.84	PASS
Band12	5	23155	12	#Mid	QPSK	23.24	-4.25	16.84	PASS
Band12	5	23155	12	#Max	QPSK	23.20	-4.25	16.80	PASS
Band12	5	23155	25	#0	QPSK	23.31	-4.25	16.91	PASS
Band12	5	23155	1	#0	16QAM	23.81	-4.25	17.41	PASS
Band12	5	23155	1	#Mid	16QAM	23.72	-4.25	17.32	PASS
Band12	5	23155	1	#Max	16QAM	23.68	-4.25	17.28	PASS

Band12	5	23155	12	#0	16QAM	22.05	-4.25	15.65	PASS
Band12	5	23155	12	#Mid	16QAM	22.20	-4.25	15.80	PASS
Band12	5	23155	12	#Max	16QAM	22.16	-4.25	15.76	PASS
Band12	5	23155	25	#0	16QAM	22.39	-4.25	15.99	PASS
Band12	10	23060	1	#0	QPSK	24.00	-4.25	17.60	PASS
Band12	10	23060	1	#Mid	QPSK	24.37	-4.25	17.97	PASS
Band12	10	23060	1	#Max	QPSK	24.35	-4.25	17.95	PASS
Band12	10	23060	25	#0	QPSK	23.46	-4.25	17.06	PASS
Band12	10	23060	25	#Mid	QPSK	23.49	-4.25	17.09	PASS
Band12	10	23060	25	#Max	QPSK	23.26	-4.25	16.86	PASS
Band12	10	23060	50	#0	QPSK	23.51	-4.25	17.11	PASS
Band12	10	23060	1	#0	16QAM	24.63	-4.25	18.23	PASS
Band12	10	23060	1	#Mid	16QAM	24.44	-4.25	18.04	PASS
Band12	10	23060	1	#Max	16QAM	24.40	-4.25	18.00	PASS
Band12	10	23060	25	#0	16QAM	22.39	-4.25	15.99	PASS
Band12	10	23060	25	#Mid	16QAM	22.36	-4.25	15.96	PASS
Band12	10	23060	25	#Max	16QAM	22.14	-4.25	15.74	PASS
Band12	10	23060	50	#0	16QAM	22.40	-4.25	16.00	PASS
Band12	10	23095	1	#0	QPSK	24.41	-4.25	18.01	PASS
Band12	10	23095	1	#Mid	QPSK	24.39	-4.25	17.99	PASS
Band12	10	23095	1	#Max	QPSK	24.22	-4.25	17.82	PASS
Band12	10	23095	25	#0	QPSK	23.23	-4.25	16.83	PASS
Band12	10	23095	25	#Mid	QPSK	23.48	-4.25	17.08	PASS
Band12	10	23095	25	#Max	QPSK	23.23	-4.25	16.83	PASS
Band12	10	23095	50	#0	QPSK	23.54	-4.25	17.14	PASS
Band12	10	23095	1	#0	16QAM	24.23	-4.25	17.83	PASS
Band12	10	23095	1	#Mid	16QAM	24.11	-4.25	17.71	PASS
Band12	10	23095	1	#Max	16QAM	23.79	-4.25	17.39	PASS
Band12	10	23095	25	#0	16QAM	22.42	-4.25	16.02	PASS
Band12	10	23095	25	#Mid	16QAM	22.49	-4.25	16.09	PASS
Band12	10	23095	25	#Max	16QAM	22.68	-4.25	16.28	PASS
Band12	10	23095	50	#0	16QAM	22.62	-4.25	16.22	PASS
Band12	10	23130	1	#0	QPSK	24.26	-4.25	17.86	PASS
Band12	10	23130	1	#Mid	QPSK	24.25	-4.25	17.85	PASS
Band12	10	23130	1	#Max	QPSK	24.13	-4.25	17.73	PASS
Band12	10	23130	25	#0	QPSK	23.48	-4.25	17.08	PASS
Band12	10	23130	25	#Mid	QPSK	23.15	-4.25	16.75	PASS
Band12	10	23130	25	#Max	QPSK	23.26	-4.25	16.86	PASS
Band12	10	23130	50	#0	QPSK	23.26	-4.25	16.86	PASS
Band12	10	23130	1	#0	16QAM	23.76	-4.25	17.36	PASS
Band12	10	23130	1	#Mid	16QAM	23.58	-4.25	17.18	PASS
Band12	10	23130	1	#Max	16QAM	23.53	-4.25	17.13	PASS
Band12	10	23130	25	#0	16QAM	22.42	-4.25	16.02	PASS

Band12	10	23130	25	#Mid	16QAM	22.62	-4.25	16.22	PASS
Band12	10	23130	25	#Max	16QAM	22.33	-4.25	15.93	PASS
Band12	10	23130	50	#0	16QAM	22.53	-4.25	16.13	PASS



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band12	1.4	23017	6	#0	QPSK	LV	NT	11.34	0.016	PASS
Band12	1.4	23017	6	#0	QPSK	NV	NT	7.82	0.011	PASS
Band12	1.4	23017	6	#0	QPSK	HV	NT	7.65	0.011	PASS
Band12	1.4	23017	6	#0	16QAM	LV	NT	3.26	0.005	PASS
Band12	1.4	23017	6	#0	16QAM	NV	NT	-0.24	0.000	PASS
Band12	1.4	23017	6	#0	16QAM	HV	NT	-2.30	-0.003	PASS
Band12	1.4	23095	6	#0	QPSK	LV	NT	0.07	0.000	PASS
Band12	1.4	23095	6	#0	QPSK	NV	NT	-4.11	-0.006	PASS
Band12	1.4	23095	6	#0	QPSK	HV	NT	-11.69	-0.017	PASS
Band12	1.4	23095	6	#0	16QAM	LV	NT	-21.56	-0.030	PASS
Band12	1.4	23095	6	#0	16QAM	NV	NT	-26.94	-0.038	PASS
Band12	1.4	23095	6	#0	16QAM	HV	NT	-30.08	-0.043	PASS
Band12	1.4	23173	6	#0	QPSK	LV	NT	-2.90	-0.004	PASS
Band12	1.4	23173	6	#0	QPSK	NV	NT	-8.11	-0.011	PASS
Band12	1.4	23173	6	#0	QPSK	HV	NT	-16.29	-0.023	PASS
Band12	1.4	23173	6	#0	16QAM	LV	NT	-27.01	-0.038	PASS
Band12	1.4	23173	6	#0	16QAM	NV	NT	-33.13	-0.046	PASS
Band12	1.4	23173	6	#0	16QAM	HV	NT	-36.29	-0.051	PASS
Band12	3	23025	15	#0	QPSK	LV	NT	41.97	0.060	PASS
Band12	3	23025	15	#0	QPSK	NV	NT	-30.51	-0.044	PASS
Band12	3	23025	15	#0	QPSK	HV	NT	-36.69	-0.052	PASS
Band12	3	23025	15	#0	16QAM	LV	NT	-14.75	-0.021	PASS
Band12	3	23025	15	#0	16QAM	NV	NT	-34.12	-0.049	PASS
Band12	3	23025	15	#0	16QAM	HV	NT	-37.51	-0.054	PASS
Band12	3	23095	15	#0	QPSK	LV	NT	-21.82	-0.031	PASS
Band12	3	23095	15	#0	QPSK	NV	NT	-21.86	-0.031	PASS
Band12	3	23095	15	#0	QPSK	HV	NT	-29.94	-0.042	PASS
Band12	3	23095	15	#0	16QAM	LV	NT	-35.98	-0.051	PASS
Band12	3	23095	15	#0	16QAM	NV	NT	-31.67	-0.045	PASS
Band12	3	23095	15	#0	16QAM	HV	NT	-20.53	-0.029	PASS
Band12	3	23165	15	#0	QPSK	LV	NT	-33.02	-0.046	PASS
Band12	3	23165	15	#0	QPSK	NV	NT	-13.39	-0.019	PASS
Band12	3	23165	15	#0	QPSK	HV	NT	-45.99	-0.064	PASS
Band12	3	23165	15	#0	16QAM	LV	NT	-32.29	-0.045	PASS
Band12	3	23165	15	#0	16QAM	NV	NT	-18.40	-0.026	PASS
Band12	3	23165	15	#0	16QAM	HV	NT	-42.66	-0.060	PASS
Band12	5	23035	25	#0	QPSK	LV	NT	44.73	0.064	PASS
Band12	5	23035	25	#0	QPSK	NV	NT	29.83	0.043	PASS

Band12	5	23035	25	#0	QPSK	HV	NT	-3.71	-0.005	PASS
Band12	5	23035	25	#0	16QAM	LV	NT	-44.29	-0.063	PASS
Band12	5	23035	25	#0	16QAM	NV	NT	-30.11	-0.043	PASS
Band12	5	23035	25	#0	16QAM	HV	NT	-12.50	-0.018	PASS
Band12	5	23095	25	#0	QPSK	LV	NT	-28.55	-0.040	PASS
Band12	5	23095	25	#0	QPSK	NV	NT	-9.73	-0.014	PASS
Band12	5	23095	25	#0	QPSK	HV	NT	-36.75	-0.052	PASS
Band12	5	23095	25	#0	16QAM	LV	NT	-36.88	-0.052	PASS
Band12	5	23095	25	#0	16QAM	NV	NT	-9.88	-0.014	PASS
Band12	5	23095	25	#0	16QAM	HV	NT	-31.39	-0.044	PASS
Band12	5	23155	25	#0	QPSK	LV	NT	-16.32	-0.023	PASS
Band12	5	23155	25	#0	QPSK	NV	NT	-35.53	-0.050	PASS
Band12	5	23155	25	#0	QPSK	HV	NT	-6.47	-0.009	PASS
Band12	5	23155	25	#0	16QAM	LV	NT	-28.47	-0.040	PASS
Band12	5	23155	25	#0	16QAM	NV	NT	-42.84	-0.060	PASS
Band12	5	23155	25	#0	16QAM	HV	NT	-2.57	-0.004	PASS
Band12	10	23060	50	#0	QPSK	LV	NT	0.00	0.000	PASS
Band12	10	23060	50	#0	QPSK	NV	NT	-3.68	-0.005	PASS
Band12	10	23060	50	#0	QPSK	HV	NT	-38.57	-0.055	PASS
Band12	10	23060	50	#0	16QAM	LV	NT	-30.60	-0.043	PASS
Band12	10	23060	50	#0	16QAM	NV	NT	-14.25	-0.020	PASS
Band12	10	23060	50	#0	16QAM	HV	NT	-39.04	-0.055	PASS
Band12	10	23095	50	#0	QPSK	LV	NT	-17.71	-0.025	PASS
Band12	10	23095	50	#0	QPSK	NV	NT	-36.29	-0.051	PASS
Band12	10	23095	50	#0	QPSK	HV	NT	-31.44	-0.044	PASS
Band12	10	23095	50	#0	16QAM	LV	NT	-12.95	-0.018	PASS
Band12	10	23095	50	#0	16QAM	NV	NT	-30.76	-0.043	PASS
Band12	10	23095	50	#0	16QAM	HV	NT	-35.33	-0.050	PASS
Band12	10	23130	50	#0	QPSK	LV	NT	-8.80	-0.012	PASS
Band12	10	23130	50	#0	QPSK	NV	NT	-23.93	-0.034	PASS
Band12	10	23130	50	#0	QPSK	HV	NT	-42.87	-0.060	PASS
Band12	10	23130	50	#0	16QAM	LV	NT	-14.03	-0.020	PASS
Band12	10	23130	50	#0	16QAM	NV	NT	-25.66	-0.036	PASS
Band12	10	23130	50	#0	16QAM	HV	NT	-37.01	-0.052	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band12	1.4	23017	6	#0	QPSK	NV	-30	0.00	0.000	PASS
Band12	1.4	23017	6	#0	QPSK	NV	-20	-28.40	-0.041	PASS
Band12	1.4	23017	6	#0	QPSK	NV	-10	-41.74	-0.060	PASS
Band12	1.4	23017	6	#0	QPSK	NV	0	-35.48	-0.051	PASS
Band12	1.4	23017	6	#0	QPSK	NV	10	4.62	0.007	PASS
Band12	1.4	23017	6	#0	QPSK	NV	20	1.50	0.002	PASS

Band12	1.4	23017	6	#0	QPSK	NV	30	0.92	0.001	PASS
Band12	1.4	23017	6	#0	QPSK	NV	40	0.21	0.000	PASS
Band12	1.4	23017	6	#0	QPSK	NV	50	-1.29	-0.002	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-30	-1.63	-0.002	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-20	-0.44	-0.001	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-10	1.53	0.002	PASS
Band12	1.4	23017	6	#0	16QAM	NV	0	0.89	0.001	PASS
Band12	1.4	23017	6	#0	16QAM	NV	10	1.63	0.002	PASS
Band12	1.4	23017	6	#0	16QAM	NV	20	2.33	0.003	PASS
Band12	1.4	23017	6	#0	16QAM	NV	30	2.43	0.003	PASS
Band12	1.4	23017	6	#0	16QAM	NV	40	3.22	0.005	PASS
Band12	1.4	23017	6	#0	16QAM	NV	50	2.63	0.004	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-30	-6.88	-0.010	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-20	-8.68	-0.012	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-10	-12.02	-0.017	PASS
Band12	1.4	23095	6	#0	QPSK	NV	0	-13.79	-0.019	PASS
Band12	1.4	23095	6	#0	QPSK	NV	10	-16.14	-0.023	PASS
Band12	1.4	23095	6	#0	QPSK	NV	20	-15.61	-0.022	PASS
Band12	1.4	23095	6	#0	QPSK	NV	30	-16.04	-0.023	PASS
Band12	1.4	23095	6	#0	QPSK	NV	40	-16.42	-0.023	PASS
Band12	1.4	23095	6	#0	QPSK	NV	50	-17.37	-0.025	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-30	-16.94	-0.024	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-20	-16.61	-0.023	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-10	-15.18	-0.021	PASS
Band12	1.4	23095	6	#0	16QAM	NV	0	-14.46	-0.020	PASS
Band12	1.4	23095	6	#0	16QAM	NV	10	-13.95	-0.020	PASS
Band12	1.4	23095	6	#0	16QAM	NV	20	-13.39	-0.019	PASS
Band12	1.4	23095	6	#0	16QAM	NV	30	-12.15	-0.017	PASS
Band12	1.4	23095	6	#0	16QAM	NV	40	-13.79	-0.019	PASS
Band12	1.4	23095	6	#0	16QAM	NV	50	-13.49	-0.019	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-30	-2.39	-0.003	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-20	-7.17	-0.010	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-10	-12.10	-0.017	PASS
Band12	1.4	23173	6	#0	QPSK	NV	0	-14.86	-0.021	PASS
Band12	1.4	23173	6	#0	QPSK	NV	10	-16.82	-0.024	PASS
Band12	1.4	23173	6	#0	QPSK	NV	20	-17.72	-0.025	PASS
Band12	1.4	23173	6	#0	QPSK	NV	30	-17.90	-0.025	PASS
Band12	1.4	23173	6	#0	QPSK	NV	40	-17.81	-0.025	PASS
Band12	1.4	23173	6	#0	QPSK	NV	50	-17.70	-0.025	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-30	-17.12	-0.024	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-20	-15.08	-0.021	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-10	-12.77	-0.018	PASS
Band12	1.4	23173	6	#0	16QAM	NV	0	-11.00	-0.015	PASS

Band12	1.4	23173	6	#0	16QAM	NV	10	-10.13	-0.014	PASS
Band12	1.4	23173	6	#0	16QAM	NV	20	-9.00	-0.013	PASS
Band12	1.4	23173	6	#0	16QAM	NV	30	-9.60	-0.013	PASS
Band12	1.4	23173	6	#0	16QAM	NV	40	-9.50	-0.013	PASS
Band12	1.4	23173	6	#0	16QAM	NV	50	-9.46	-0.013	PASS
Band12	3	23025	15	#0	QPSK	NV	-30	0.00	0.000	PASS
Band12	3	23025	15	#0	QPSK	NV	-20	-21.92	-0.031	PASS
Band12	3	23025	15	#0	QPSK	NV	-10	-35.59	-0.051	PASS
Band12	3	23025	15	#0	QPSK	NV	0	-41.69	-0.060	PASS
Band12	3	23025	15	#0	QPSK	NV	10	-45.30	-0.065	PASS
Band12	3	23025	15	#0	QPSK	NV	20	-46.12	-0.066	PASS
Band12	3	23025	15	#0	QPSK	NV	30	-46.88	-0.067	PASS
Band12	3	23025	15	#0	QPSK	NV	40	-47.89	-0.068	PASS
Band12	3	23025	15	#0	QPSK	NV	50	-47.99	-0.069	PASS
Band12	3	23025	15	#0	16QAM	NV	-30	0.49	0.001	PASS
Band12	3	23025	15	#0	16QAM	NV	-20	1.66	0.002	PASS
Band12	3	23025	15	#0	16QAM	NV	-10	2.86	0.004	PASS
Band12	3	23025	15	#0	16QAM	NV	0	3.95	0.006	PASS
Band12	3	23025	15	#0	16QAM	NV	10	4.25	0.006	PASS
Band12	3	23025	15	#0	16QAM	NV	20	5.55	0.008	PASS
Band12	3	23025	15	#0	16QAM	NV	30	5.34	0.008	PASS
Band12	3	23025	15	#0	16QAM	NV	40	4.78	0.007	PASS
Band12	3	23025	15	#0	16QAM	NV	50	5.46	0.008	PASS
Band12	3	23095	15	#0	QPSK	NV	-30	-3.52	-0.005	PASS
Band12	3	23095	15	#0	QPSK	NV	-20	-7.15	-0.010	PASS
Band12	3	23095	15	#0	QPSK	NV	-10	-11.24	-0.016	PASS
Band12	3	23095	15	#0	QPSK	NV	0	-13.62	-0.019	PASS
Band12	3	23095	15	#0	QPSK	NV	10	-13.96	-0.020	PASS
Band12	3	23095	15	#0	QPSK	NV	20	-15.76	-0.022	PASS
Band12	3	23095	15	#0	QPSK	NV	30	-15.74	-0.022	PASS
Band12	3	23095	15	#0	QPSK	NV	40	-16.05	-0.023	PASS
Band12	3	23095	15	#0	QPSK	NV	50	-16.08	-0.023	PASS
Band12	3	23095	15	#0	16QAM	NV	-30	-15.23	-0.022	PASS
Band12	3	23095	15	#0	16QAM	NV	-20	-14.93	-0.021	PASS
Band12	3	23095	15	#0	16QAM	NV	-10	-12.40	-0.018	PASS
Band12	3	23095	15	#0	16QAM	NV	0	-11.43	-0.016	PASS
Band12	3	23095	15	#0	16QAM	NV	10	-11.34	-0.016	PASS
Band12	3	23095	15	#0	16QAM	NV	20	-10.53	-0.015	PASS
Band12	3	23095	15	#0	16QAM	NV	30	-11.79	-0.017	PASS
Band12	3	23095	15	#0	16QAM	NV	40	-11.29	-0.016	PASS
Band12	3	23095	15	#0	16QAM	NV	50	-11.43	-0.016	PASS
Band12	3	23165	15	#0	QPSK	NV	-30	-4.88	-0.007	PASS
Band12	3	23165	15	#0	QPSK	NV	-20	-8.15	-0.011	PASS

Band12	3	23165	15	#0	QPSK	NV	-10	-12.46	-0.017	PASS
Band12	3	23165	15	#0	QPSK	NV	0	-14.10	-0.020	PASS
Band12	3	23165	15	#0	QPSK	NV	10	-16.26	-0.023	PASS
Band12	3	23165	15	#0	QPSK	NV	20	-17.80	-0.025	PASS
Band12	3	23165	15	#0	QPSK	NV	30	-17.01	-0.024	PASS
Band12	3	23165	15	#0	QPSK	NV	40	-17.67	-0.025	PASS
Band12	3	23165	15	#0	QPSK	NV	50	-18.02	-0.025	PASS
Band12	3	23165	15	#0	16QAM	NV	-30	-17.15	-0.024	PASS
Band12	3	23165	15	#0	16QAM	NV	-20	-15.13	-0.021	PASS
Band12	3	23165	15	#0	16QAM	NV	-10	-12.65	-0.018	PASS
Band12	3	23165	15	#0	16QAM	NV	0	-11.32	-0.016	PASS
Band12	3	23165	15	#0	16QAM	NV	10	-11.62	-0.016	PASS
Band12	3	23165	15	#0	16QAM	NV	20	-11.24	-0.016	PASS
Band12	3	23165	15	#0	16QAM	NV	30	-11.12	-0.016	PASS
Band12	3	23165	15	#0	16QAM	NV	40	-11.73	-0.016	PASS
Band12	3	23165	15	#0	16QAM	NV	50	-12.45	-0.017	PASS
Band12	5	23035	25	#0	QPSK	NV	-30	0.00	0.000	PASS
Band12	5	23035	25	#0	QPSK	NV	-20	-15.48	-0.022	PASS
Band12	5	23035	25	#0	QPSK	NV	-10	-22.27	-0.032	PASS
Band12	5	23035	25	#0	QPSK	NV	0	-24.48	-0.035	PASS
Band12	5	23035	25	#0	QPSK	NV	10	-24.33	-0.035	PASS
Band12	5	23035	25	#0	QPSK	NV	20	-25.33	-0.036	PASS
Band12	5	23035	25	#0	QPSK	NV	30	-24.33	-0.035	PASS
Band12	5	23035	25	#0	QPSK	NV	40	-24.40	-0.035	PASS
Band12	5	23035	25	#0	QPSK	NV	50	-24.48	-0.035	PASS
Band12	5	23035	25	#0	16QAM	NV	-30	-23.55	-0.034	PASS
Band12	5	23035	25	#0	16QAM	NV	-20	-21.77	-0.031	PASS
Band12	5	23035	25	#0	16QAM	NV	-10	-20.27	-0.029	PASS
Band12	5	23035	25	#0	16QAM	NV	0	-20.21	-0.029	PASS
Band12	5	23035	25	#0	16QAM	NV	10	-19.98	-0.028	PASS
Band12	5	23035	25	#0	16QAM	NV	20	-19.27	-0.027	PASS
Band12	5	23035	25	#0	16QAM	NV	30	-20.60	-0.029	PASS
Band12	5	23035	25	#0	16QAM	NV	40	-19.93	-0.028	PASS
Band12	5	23035	25	#0	16QAM	NV	50	-19.80	-0.028	PASS
Band12	5	23095	25	#0	QPSK	NV	-30	4.25	0.006	PASS
Band12	5	23095	25	#0	QPSK	NV	-20	0.50	0.001	PASS
Band12	5	23095	25	#0	QPSK	NV	-10	-4.49	-0.006	PASS
Band12	5	23095	25	#0	QPSK	NV	0	-4.95	-0.007	PASS
Band12	5	23095	25	#0	QPSK	NV	10	-6.75	-0.010	PASS
Band12	5	23095	25	#0	QPSK	NV	20	-6.68	-0.009	PASS
Band12	5	23095	25	#0	QPSK	NV	30	-5.06	-0.007	PASS
Band12	5	23095	25	#0	QPSK	NV	40	-5.65	-0.008	PASS
Band12	5	23095	25	#0	QPSK	NV	50	-5.64	-0.008	PASS

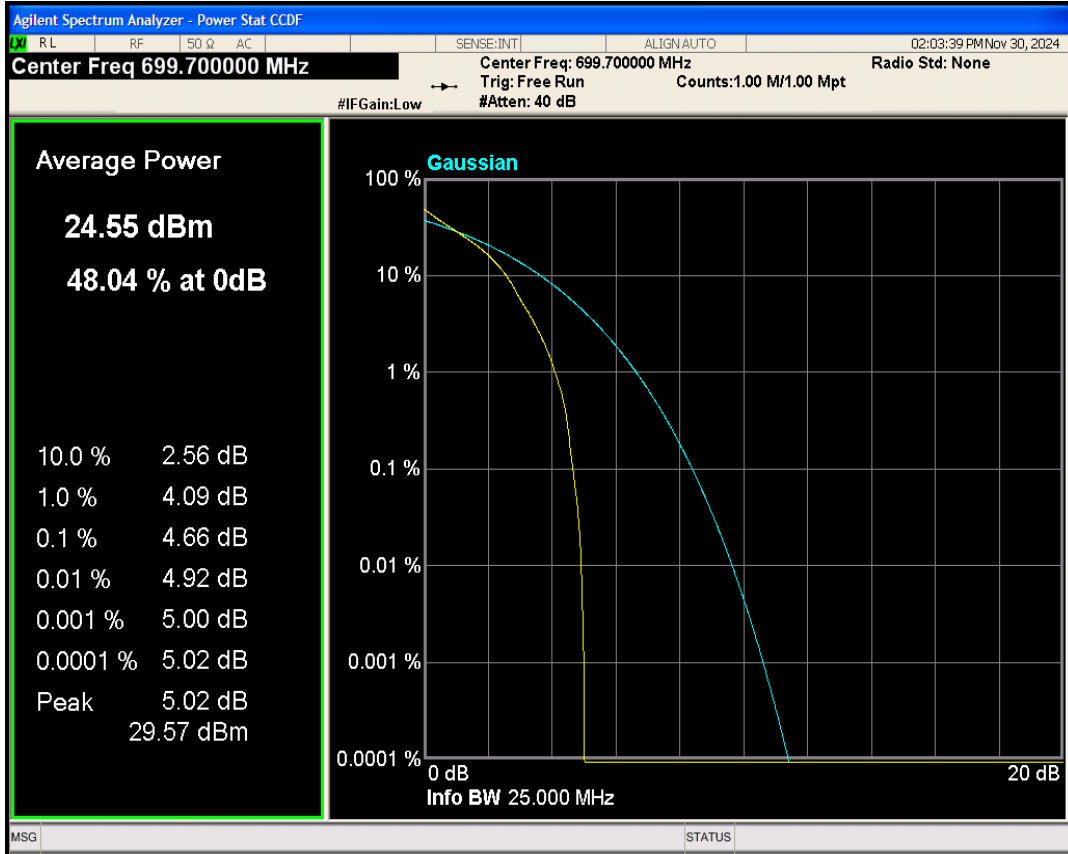
Band12	5	23095	25	#0	16QAM	NV	-30	-3.95	-0.006	PASS
Band12	5	23095	25	#0	16QAM	NV	-20	-1.95	-0.003	PASS
Band12	5	23095	25	#0	16QAM	NV	-10	0.73	0.001	PASS
Band12	5	23095	25	#0	16QAM	NV	0	0.01	0.000	PASS
Band12	5	23095	25	#0	16QAM	NV	10	1.24	0.002	PASS
Band12	5	23095	25	#0	16QAM	NV	20	0.96	0.001	PASS
Band12	5	23095	25	#0	16QAM	NV	30	0.51	0.001	PASS
Band12	5	23095	25	#0	16QAM	NV	40	1.07	0.002	PASS
Band12	5	23095	25	#0	16QAM	NV	50	0.16	0.000	PASS
Band12	5	23155	25	#0	QPSK	NV	-30	-4.72	-0.007	PASS
Band12	5	23155	25	#0	QPSK	NV	-20	-7.64	-0.011	PASS
Band12	5	23155	25	#0	QPSK	NV	-10	-11.37	-0.016	PASS
Band12	5	23155	25	#0	QPSK	NV	0	-14.23	-0.020	PASS
Band12	5	23155	25	#0	QPSK	NV	10	-14.09	-0.020	PASS
Band12	5	23155	25	#0	QPSK	NV	20	-28.45	-0.040	PASS
Band12	5	23155	25	#0	QPSK	NV	30	-41.17	-0.058	PASS
Band12	5	23155	25	#0	QPSK	NV	40	5.24	0.007	PASS
Band12	5	23155	25	#0	QPSK	NV	50	10.66	0.015	PASS
Band12	5	23155	25	#0	16QAM	NV	-30	12.19	0.017	PASS
Band12	5	23155	25	#0	16QAM	NV	-20	15.38	0.022	PASS
Band12	5	23155	25	#0	16QAM	NV	-10	17.68	0.025	PASS
Band12	5	23155	25	#0	16QAM	NV	0	20.00	0.028	PASS
Band12	5	23155	25	#0	16QAM	NV	10	20.94	0.029	PASS
Band12	5	23155	25	#0	16QAM	NV	20	21.83	0.031	PASS
Band12	5	23155	25	#0	16QAM	NV	30	17.64	0.025	PASS
Band12	5	23155	25	#0	16QAM	NV	40	16.95	0.024	PASS
Band12	5	23155	25	#0	16QAM	NV	50	14.66	0.021	PASS
Band12	10	23060	50	#0	QPSK	NV	-30	-18.94	-0.027	PASS
Band12	10	23060	50	#0	QPSK	NV	-20	-38.48	-0.055	PASS
Band12	10	23060	50	#0	QPSK	NV	-10	-44.96	-0.064	PASS
Band12	10	23060	50	#0	QPSK	NV	0	-44.46	-0.063	PASS
Band12	10	23060	50	#0	QPSK	NV	10	-44.70	-0.063	PASS
Band12	10	23060	50	#0	QPSK	NV	20	-43.26	-0.061	PASS
Band12	10	23060	50	#0	QPSK	NV	30	-41.76	-0.059	PASS
Band12	10	23060	50	#0	QPSK	NV	40	-38.61	-0.055	PASS
Band12	10	23060	50	#0	QPSK	NV	50	-38.88	-0.055	PASS
Band12	10	23060	50	#0	16QAM	NV	-30	-36.42	-0.052	PASS
Band12	10	23060	50	#0	16QAM	NV	-20	-32.83	-0.047	PASS
Band12	10	23060	50	#0	16QAM	NV	-10	-31.49	-0.045	PASS
Band12	10	23060	50	#0	16QAM	NV	0	-31.51	-0.045	PASS
Band12	10	23060	50	#0	16QAM	NV	10	-30.90	-0.044	PASS
Band12	10	23060	50	#0	16QAM	NV	20	-29.93	-0.043	PASS
Band12	10	23060	50	#0	16QAM	NV	30	-30.36	-0.043	PASS

Band12	10	23060	50	#0	16QAM	NV	40	-30.50	-0.043	PASS
Band12	10	23060	50	#0	16QAM	NV	50	-30.31	-0.043	PASS
Band12	10	23095	50	#0	QPSK	NV	-30	2.19	0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	-20	-3.23	-0.005	PASS
Band12	10	23095	50	#0	QPSK	NV	-10	-6.47	-0.009	PASS
Band12	10	23095	50	#0	QPSK	NV	0	-6.29	-0.009	PASS
Band12	10	23095	50	#0	QPSK	NV	10	-5.64	-0.008	PASS
Band12	10	23095	50	#0	QPSK	NV	20	-4.56	-0.006	PASS
Band12	10	23095	50	#0	QPSK	NV	30	-7.27	-0.010	PASS
Band12	10	23095	50	#0	QPSK	NV	40	-7.20	-0.010	PASS
Band12	10	23095	50	#0	QPSK	NV	50	-5.71	-0.008	PASS
Band12	10	23095	50	#0	16QAM	NV	-30	-2.40	-0.003	PASS
Band12	10	23095	50	#0	16QAM	NV	-20	-0.56	-0.001	PASS
Band12	10	23095	50	#0	16QAM	NV	-10	1.44	0.002	PASS
Band12	10	23095	50	#0	16QAM	NV	0	1.75	0.002	PASS
Band12	10	23095	50	#0	16QAM	NV	10	1.10	0.002	PASS
Band12	10	23095	50	#0	16QAM	NV	20	0.80	0.001	PASS
Band12	10	23095	50	#0	16QAM	NV	30	0.50	0.001	PASS
Band12	10	23095	50	#0	16QAM	NV	40	1.02	0.001	PASS
Band12	10	23095	50	#0	16QAM	NV	50	0.63	0.001	PASS
Band12	10	23130	50	#0	QPSK	NV	-30	-0.33	0.000	PASS
Band12	10	23130	50	#0	QPSK	NV	-20	-4.53	-0.006	PASS
Band12	10	23130	50	#0	QPSK	NV	-10	-6.52	-0.009	PASS
Band12	10	23130	50	#0	QPSK	NV	0	-8.41	-0.012	PASS
Band12	10	23130	50	#0	QPSK	NV	10	-7.51	-0.011	PASS
Band12	10	23130	50	#0	QPSK	NV	20	-7.51	-0.011	PASS
Band12	10	23130	50	#0	QPSK	NV	30	-7.11	-0.010	PASS
Band12	10	23130	50	#0	QPSK	NV	40	-7.12	-0.010	PASS
Band12	10	23130	50	#0	QPSK	NV	50	-6.74	-0.009	PASS
Band12	10	23130	50	#0	16QAM	NV	-30	-6.22	-0.009	PASS
Band12	10	23130	50	#0	16QAM	NV	-20	-5.15	-0.007	PASS
Band12	10	23130	50	#0	16QAM	NV	-10	-2.23	-0.003	PASS
Band12	10	23130	50	#0	16QAM	NV	0	-5.84	-0.008	PASS
Band12	10	23130	50	#0	16QAM	NV	10	-6.62	-0.009	PASS
Band12	10	23130	50	#0	16QAM	NV	20	-6.02	-0.008	PASS
Band12	10	23130	50	#0	16QAM	NV	30	-6.35	-0.009	PASS
Band12	10	23130	50	#0	16QAM	NV	40	-5.21	-0.007	PASS
Band12	10	23130	50	#0	16QAM	NV	50	-5.22	-0.007	PASS

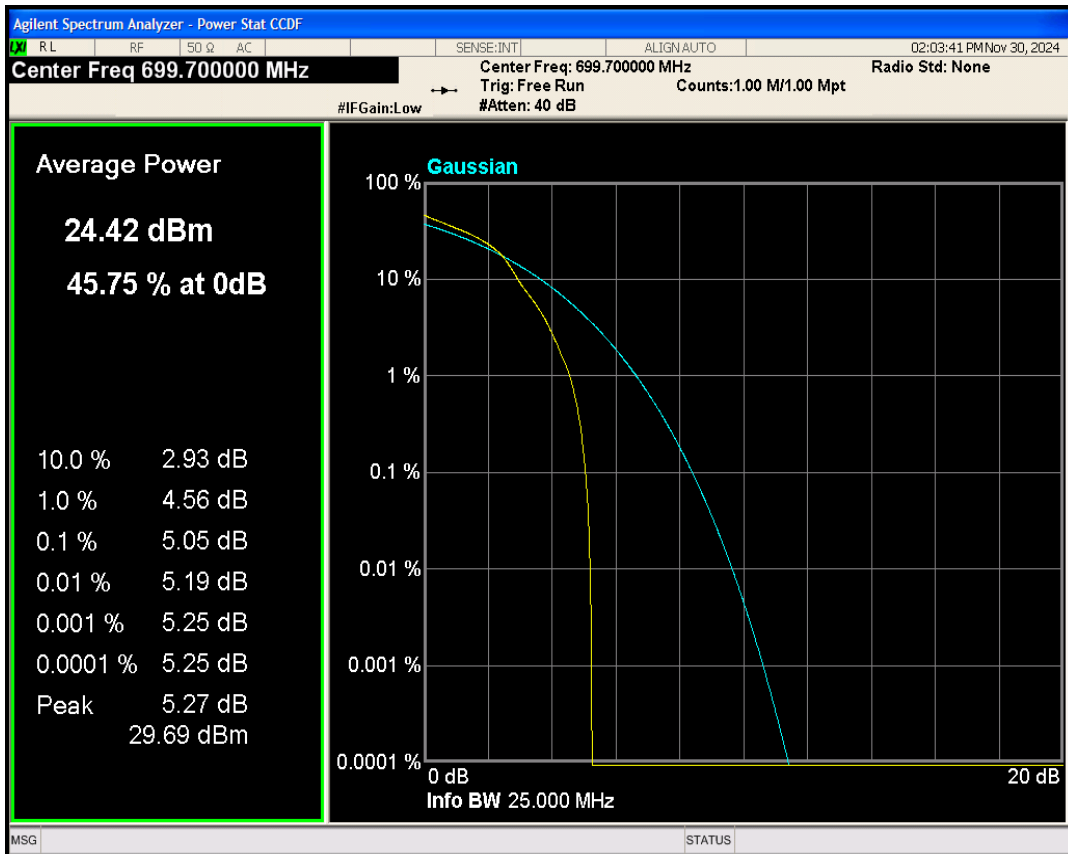
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	4.66	13	PASS
Band12	1.4	23017	1	#0	16QAM	5.05	13	PASS
Band12	1.4	23095	1	#0	QPSK	5.03	13	PASS
Band12	1.4	23095	1	#0	16QAM	5.80	13	PASS
Band12	1.4	23173	1	#0	QPSK	4.92	13	PASS
Band12	1.4	23173	1	#0	16QAM	5.78	13	PASS
Band12	3	23025	1	#0	QPSK	4.63	13	PASS
Band12	3	23025	1	#0	16QAM	5.36	13	PASS
Band12	3	23095	1	#0	QPSK	4.80	13	PASS
Band12	3	23095	1	#0	16QAM	5.57	13	PASS
Band12	3	23165	1	#0	QPSK	7.72	13	PASS
Band12	3	23165	1	#0	16QAM	5.64	13	PASS
Band12	5	23035	1	#0	QPSK	4.88	13	PASS
Band12	5	23035	1	#0	16QAM	5.68	13	PASS
Band12	5	23095	1	#0	QPSK	4.70	13	PASS
Band12	5	23095	1	#0	16QAM	5.52	13	PASS
Band12	5	23155	1	#0	QPSK	9.60	13	PASS
Band12	5	23155	1	#0	16QAM	6.04	13	PASS
Band12	10	23060	1	#0	QPSK	4.73	13	PASS
Band12	10	23060	1	#0	16QAM	5.64	13	PASS
Band12	10	23095	1	#0	QPSK	4.74	13	PASS
Band12	10	23095	1	#0	16QAM	5.77	13	PASS
Band12	10	23130	1	#0	QPSK	6.15	13	PASS
Band12	10	23130	1	#0	16QAM	5.70	13	PASS

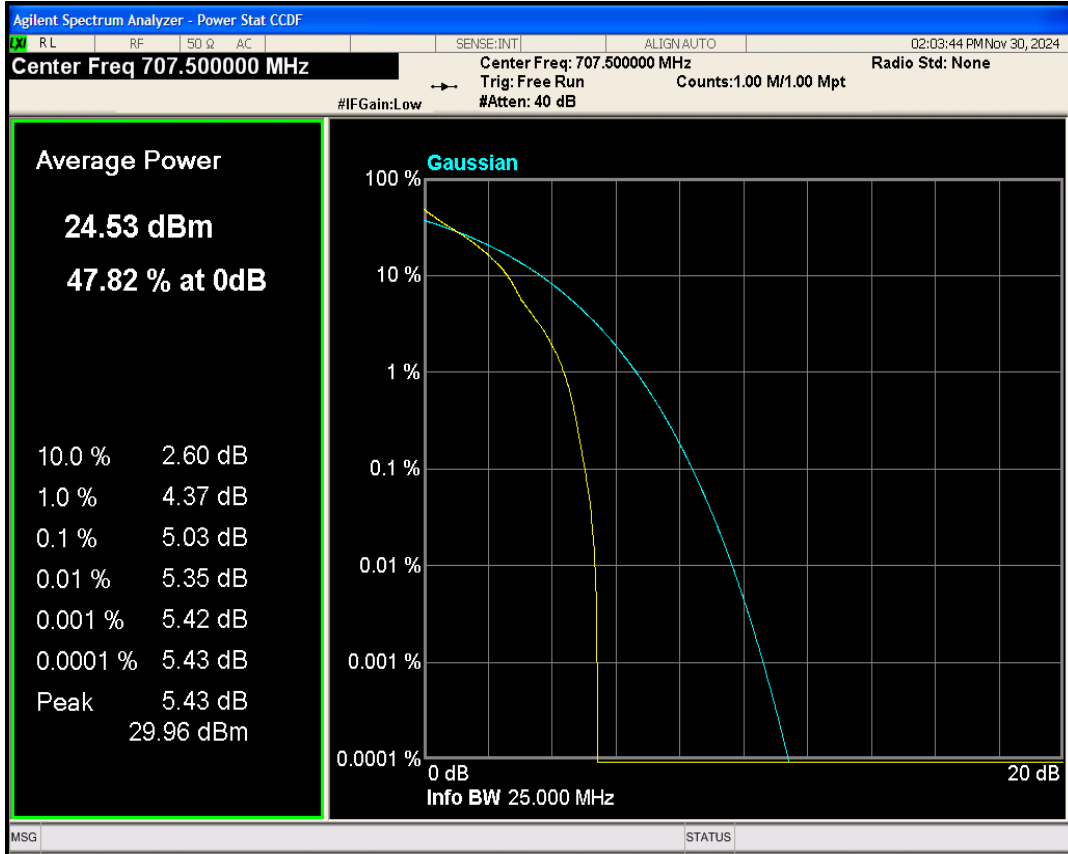
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



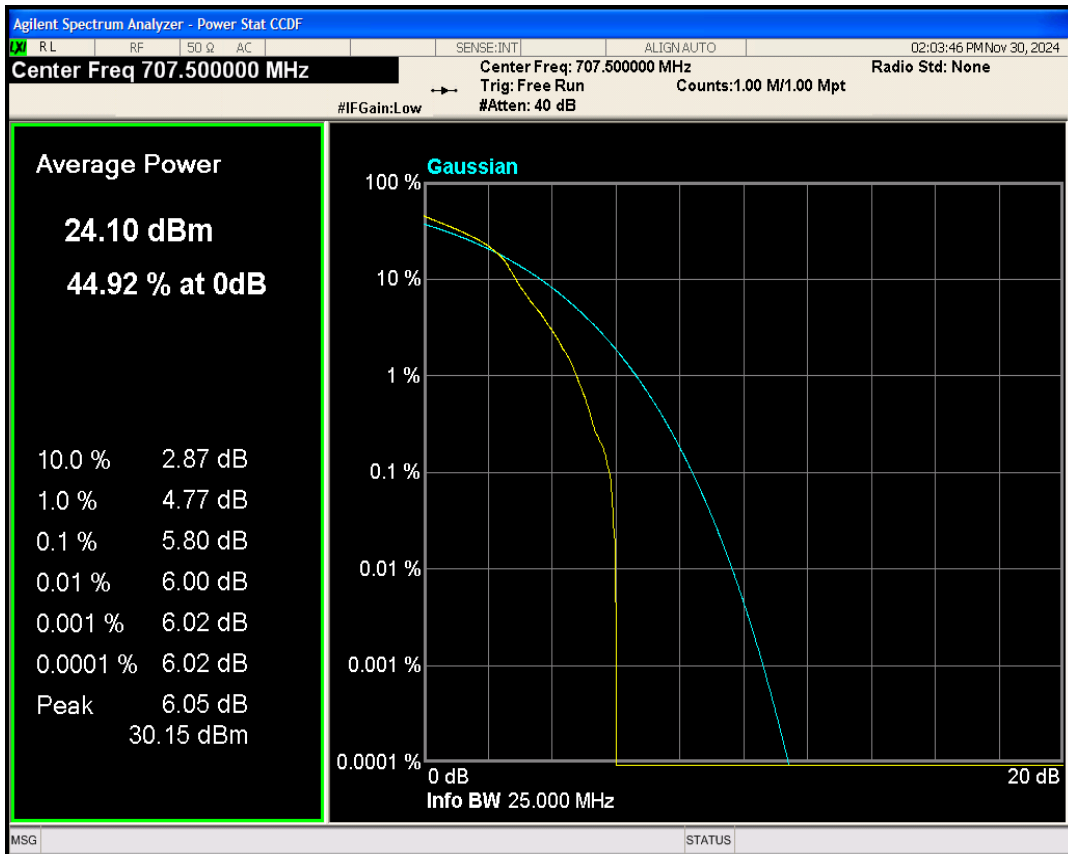
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



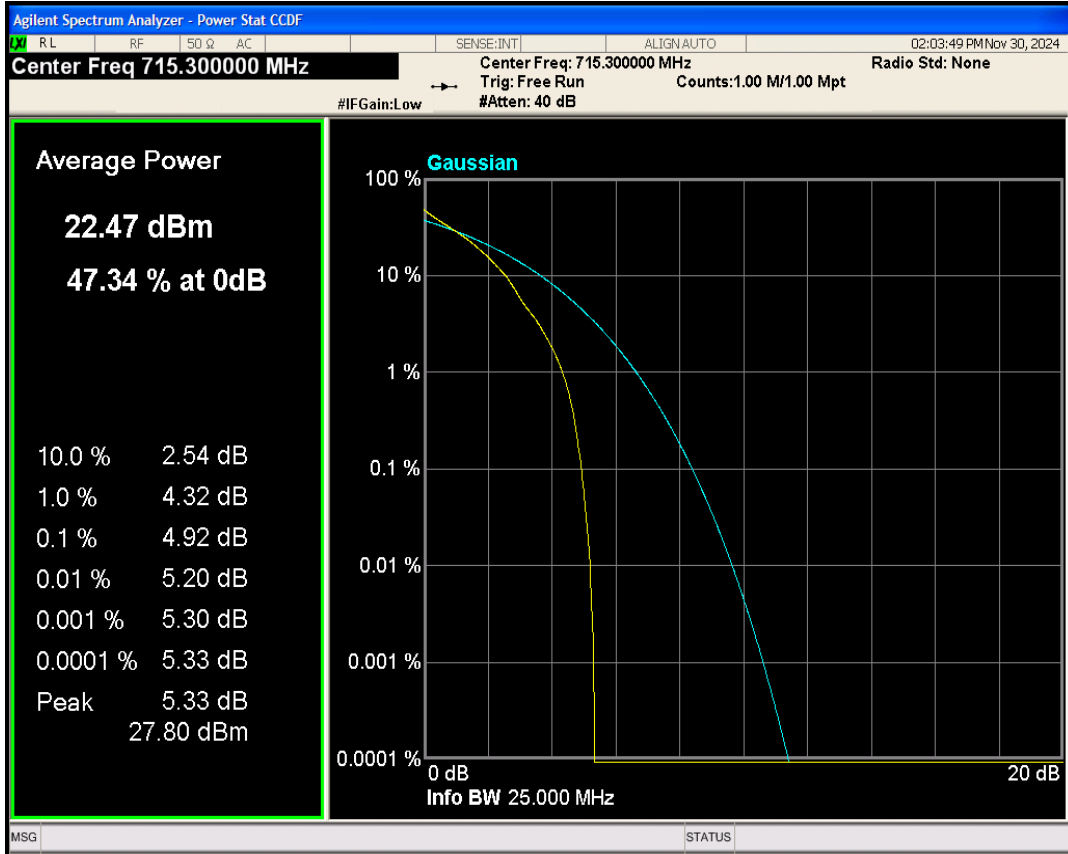
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



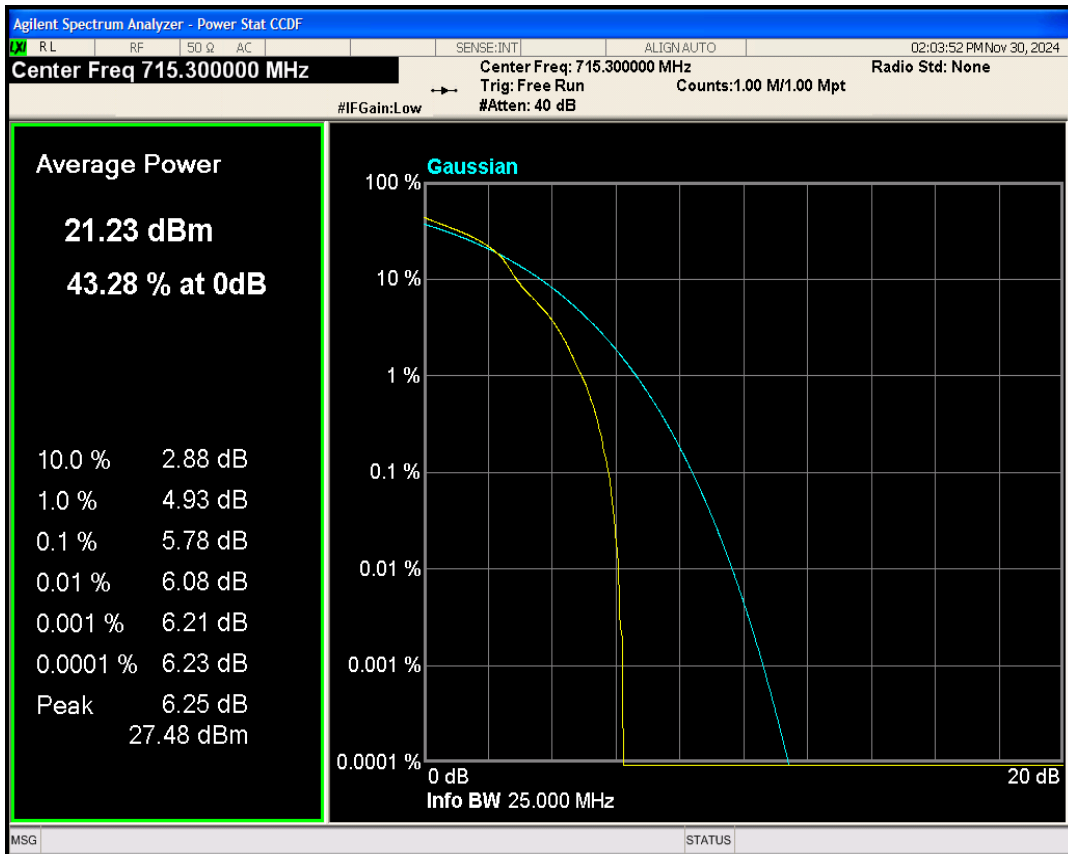
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



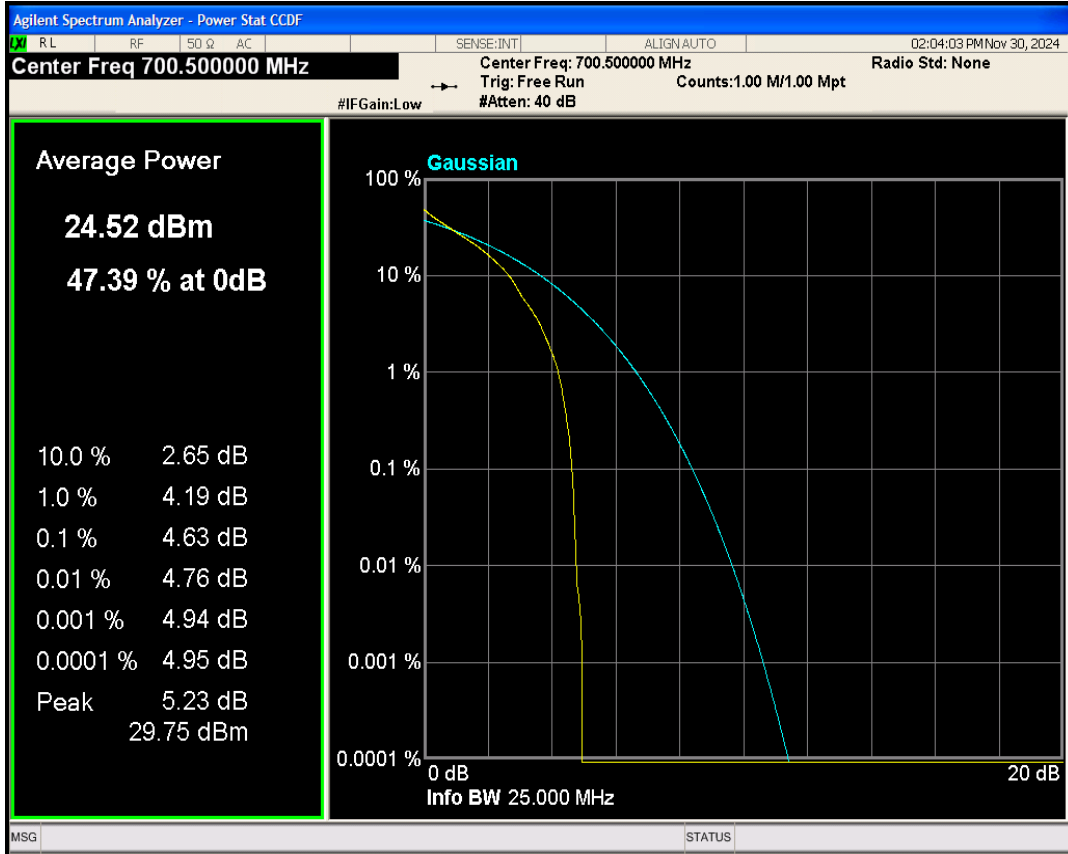
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



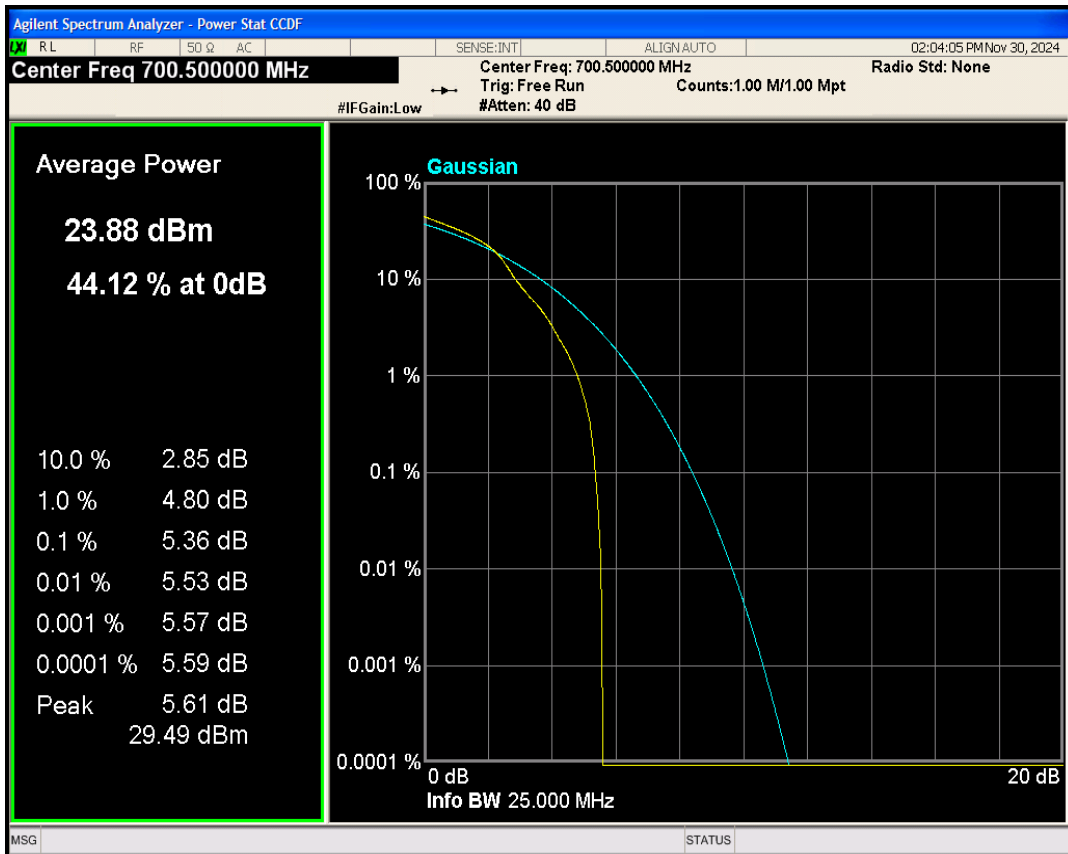
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



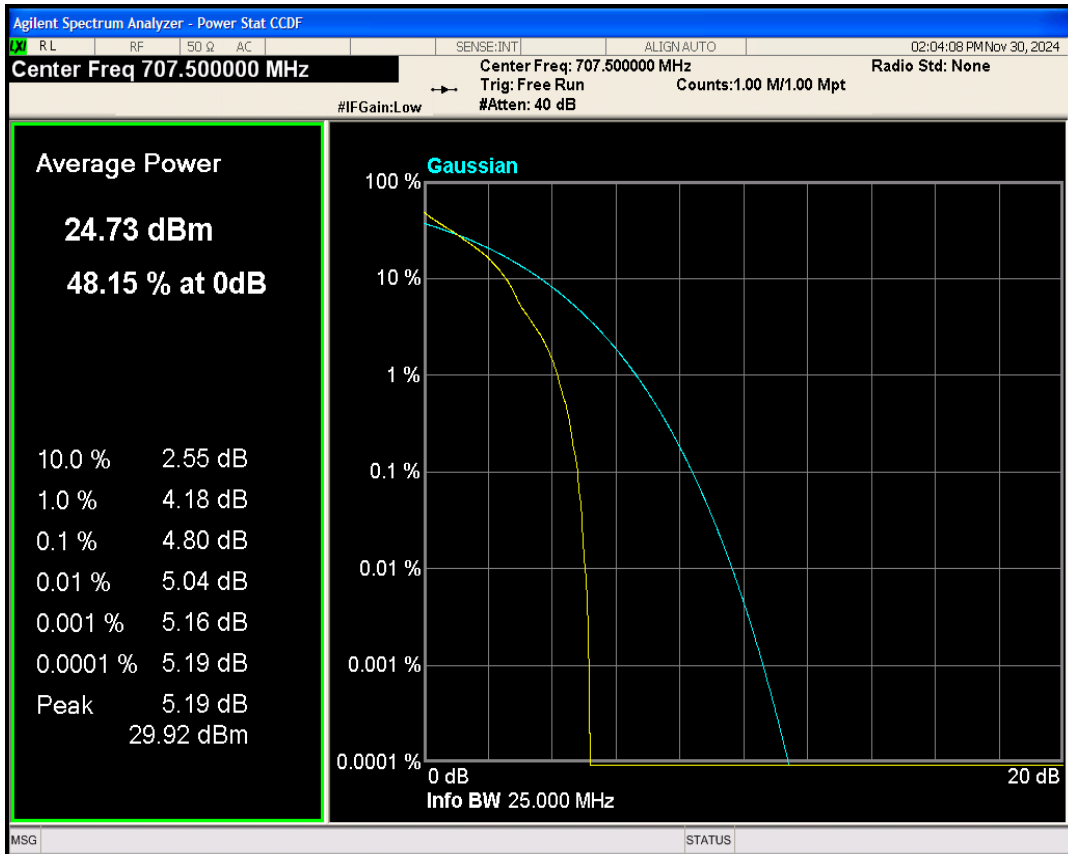
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



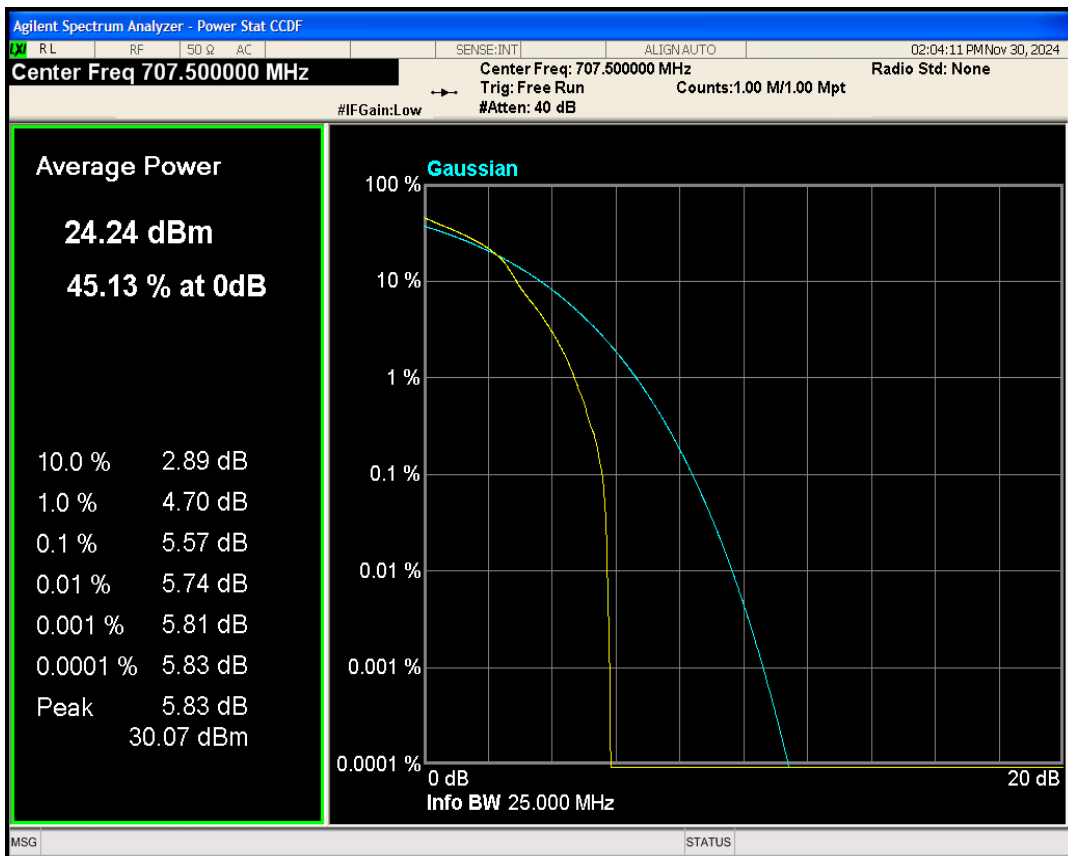
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



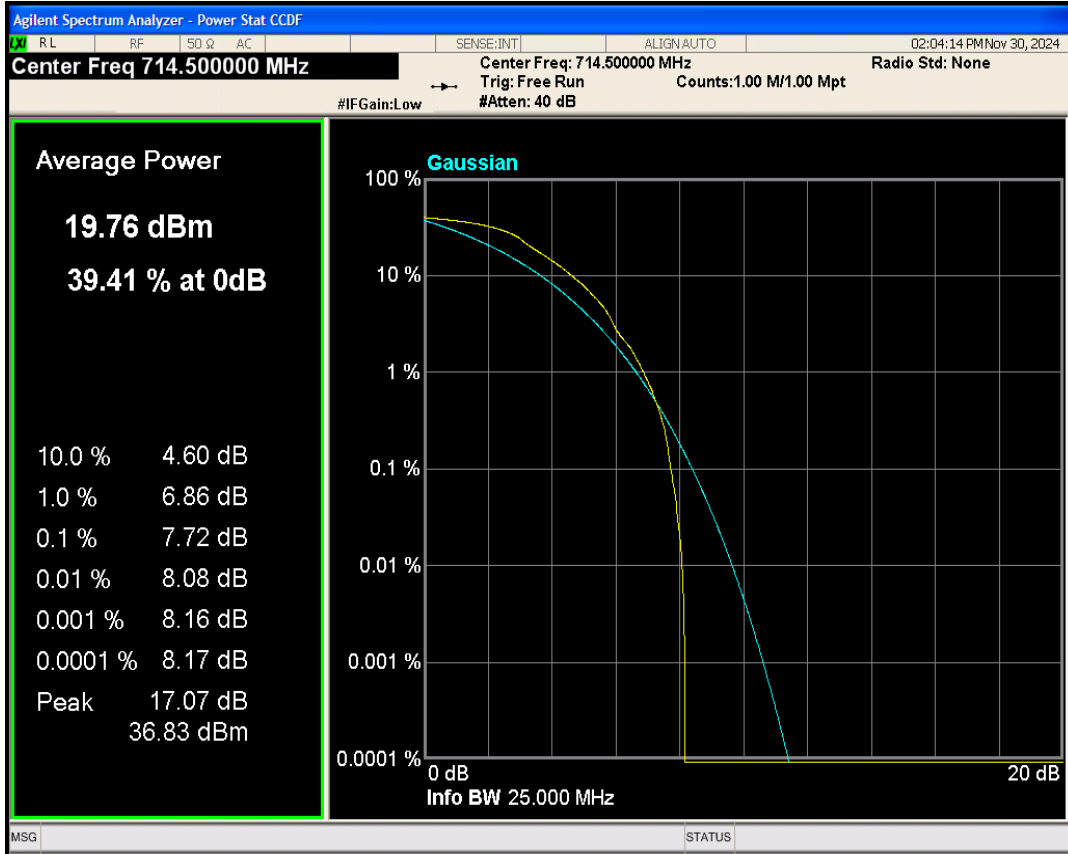
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



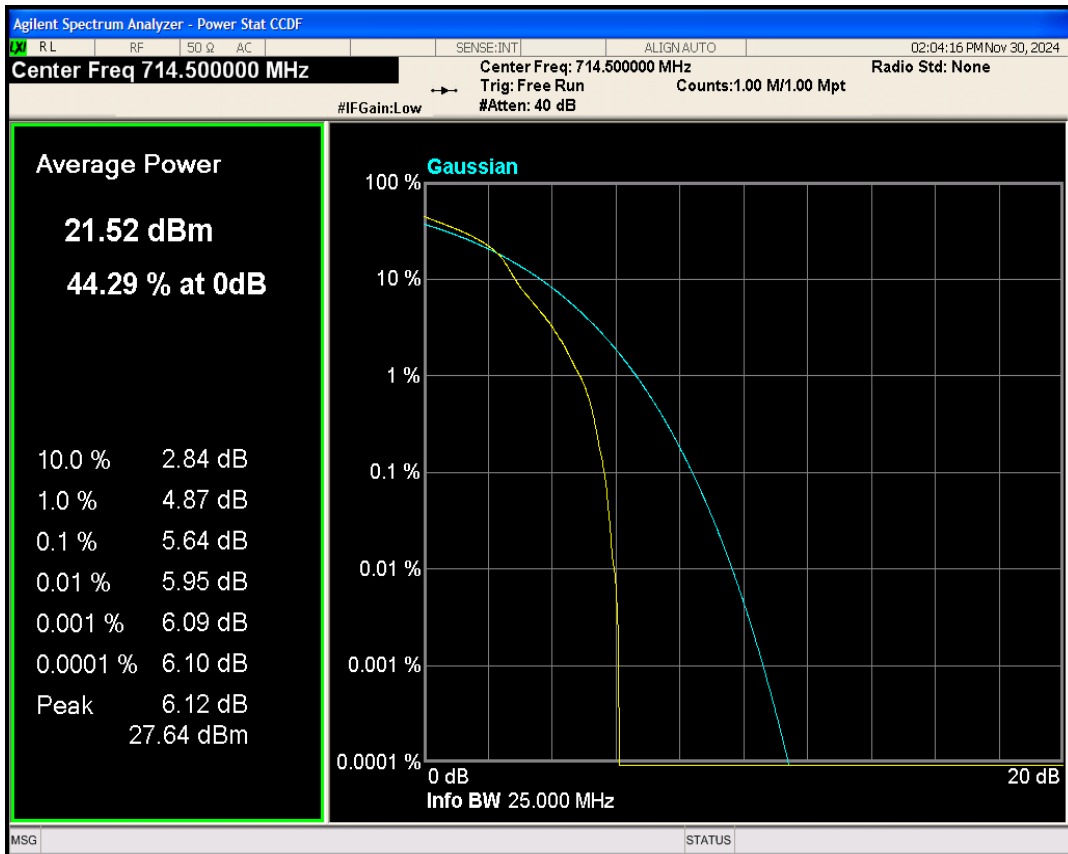
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



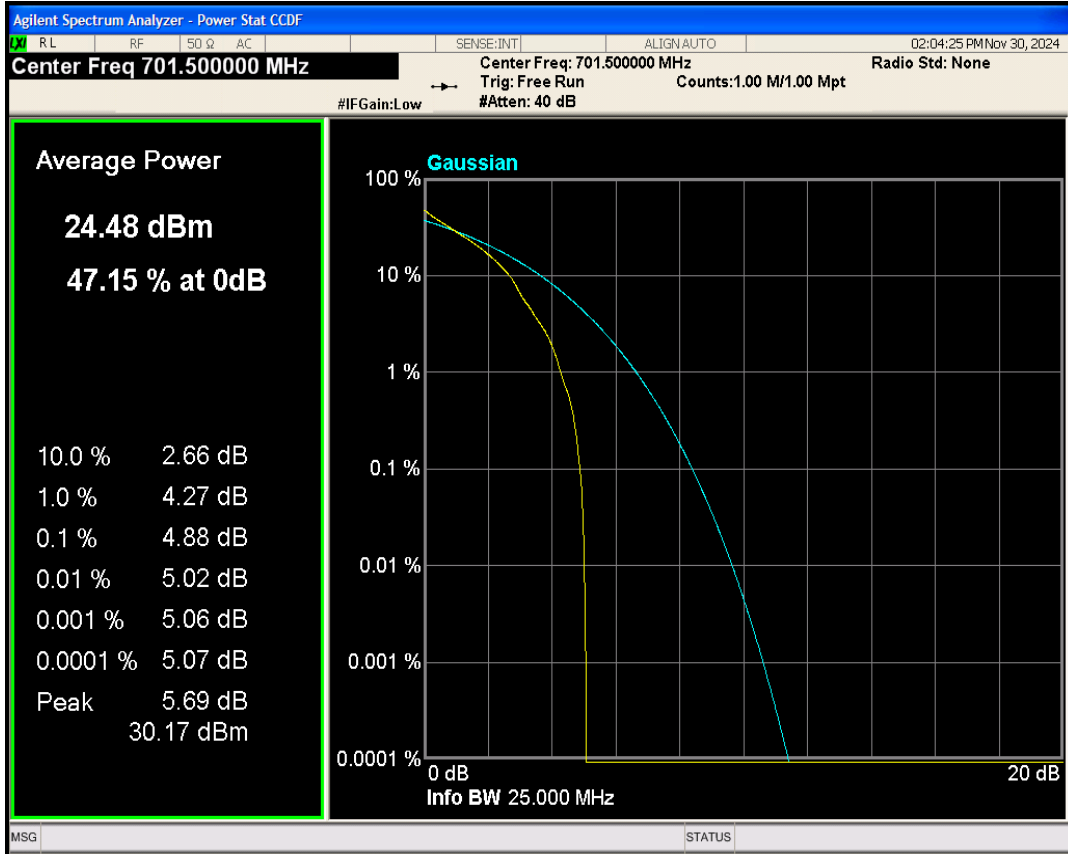
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



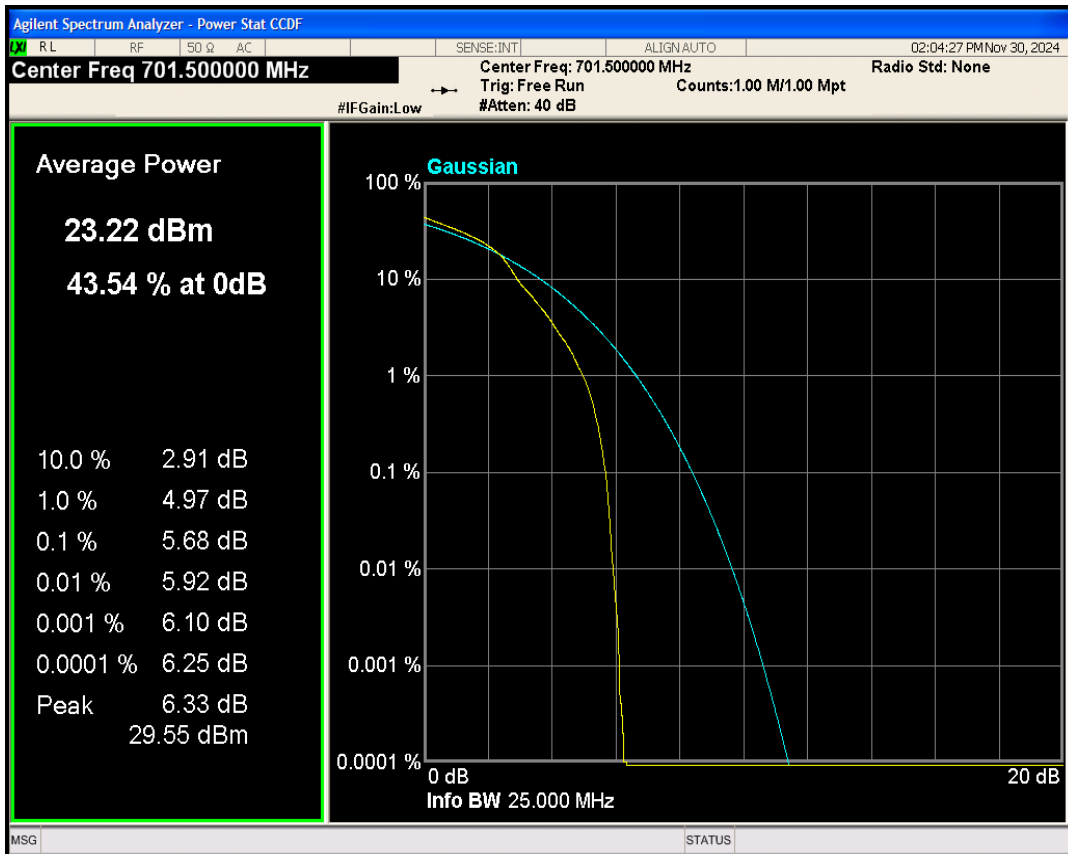
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



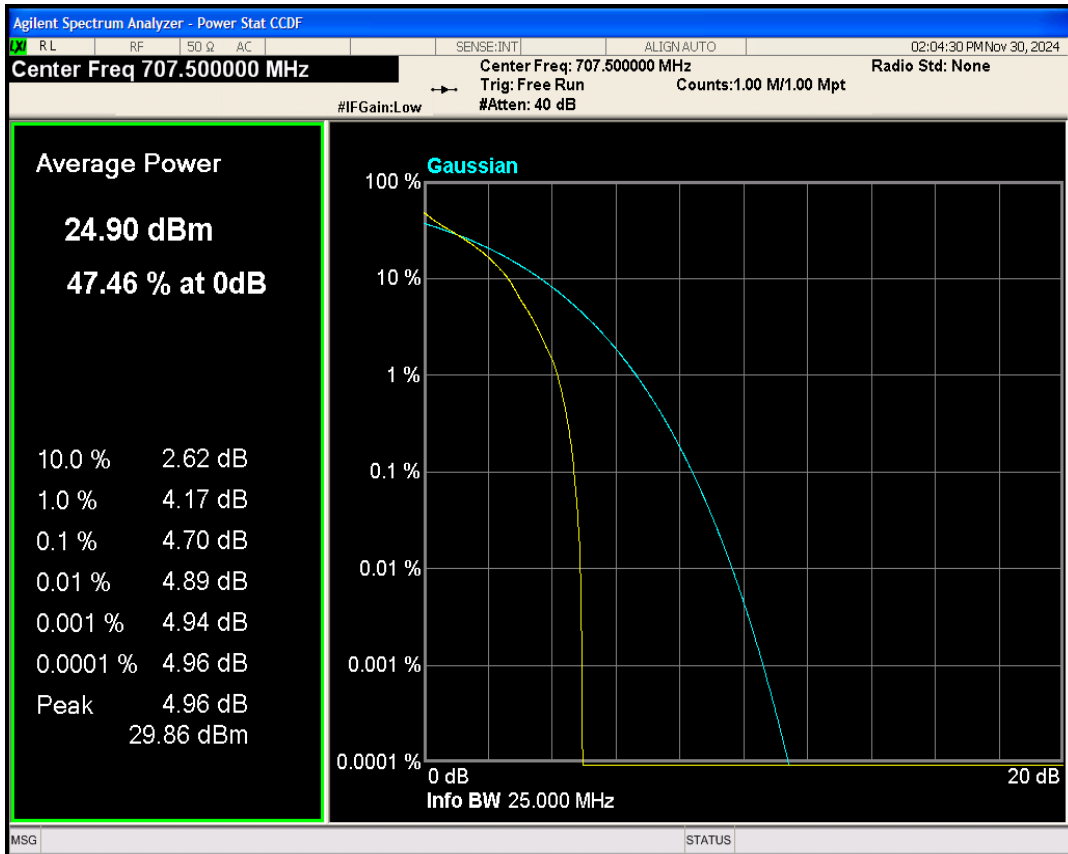
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



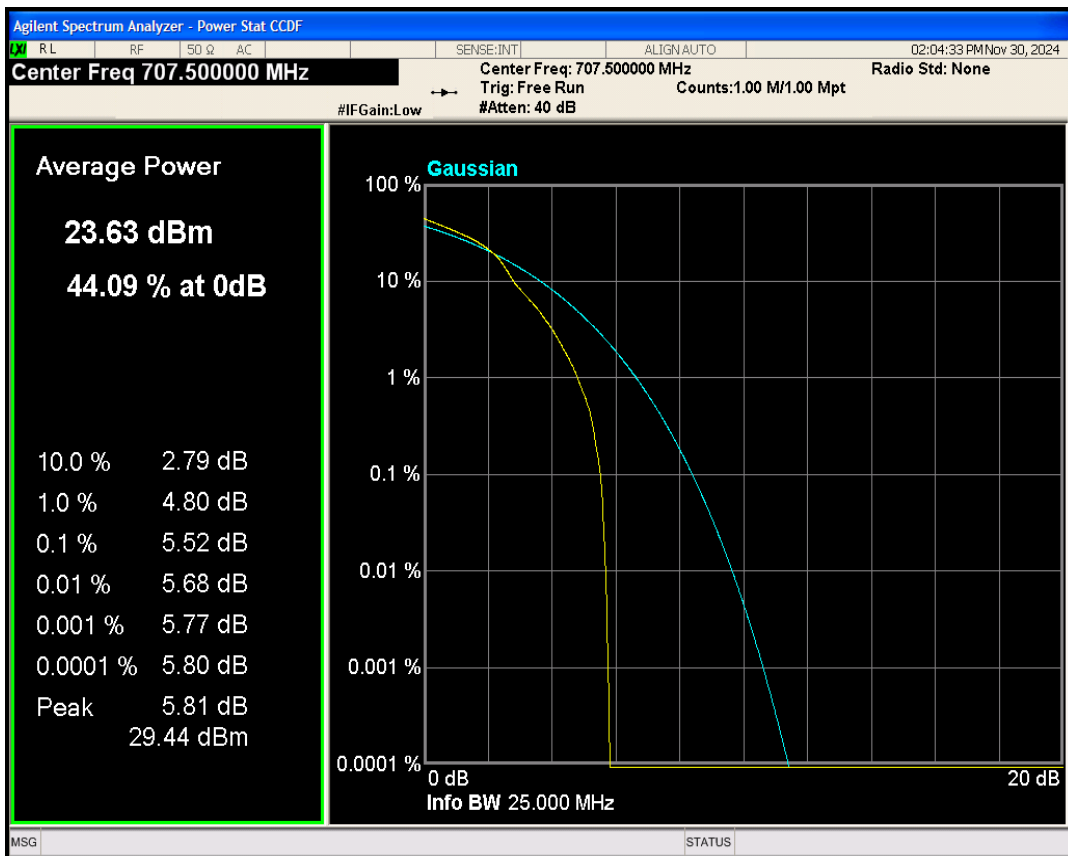
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



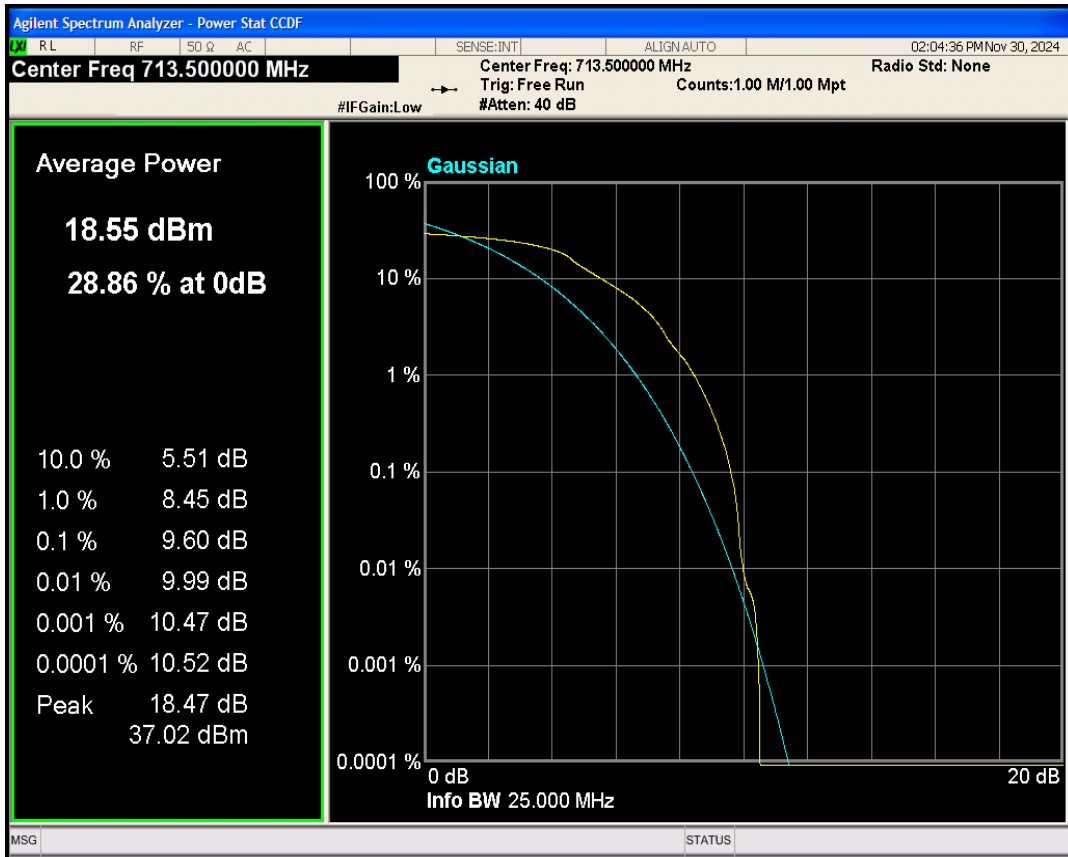
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



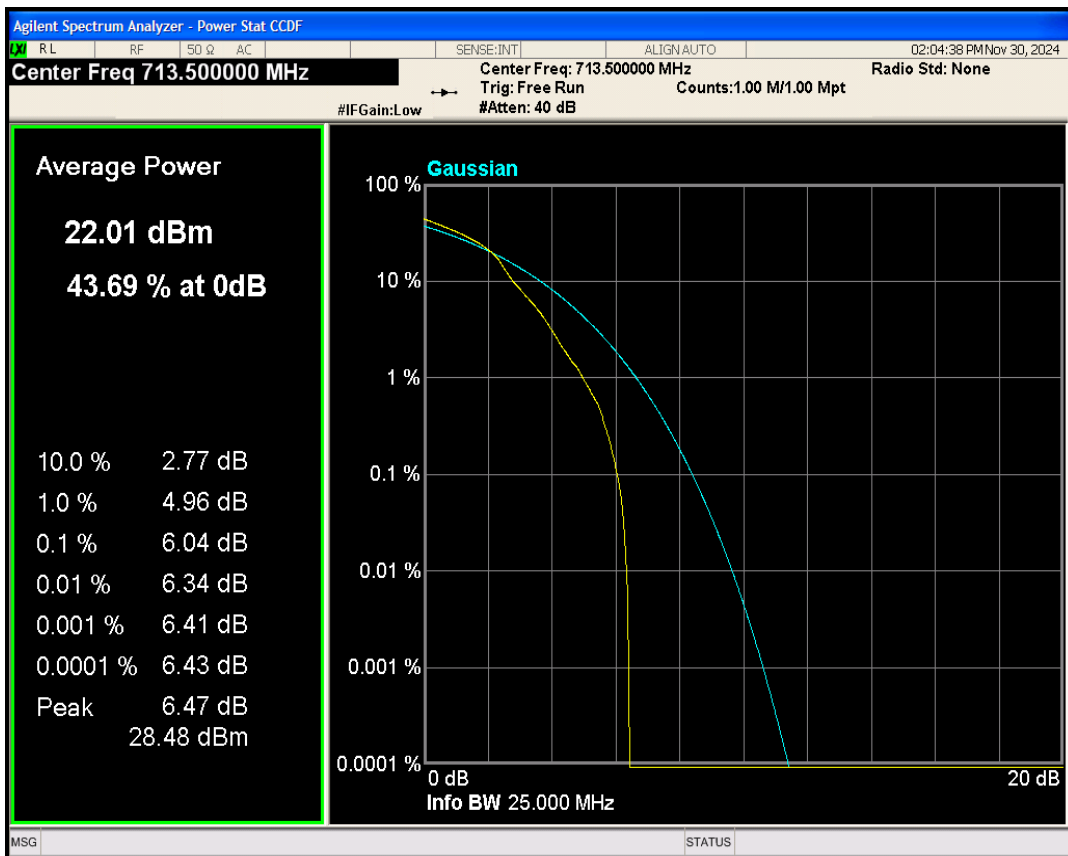
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



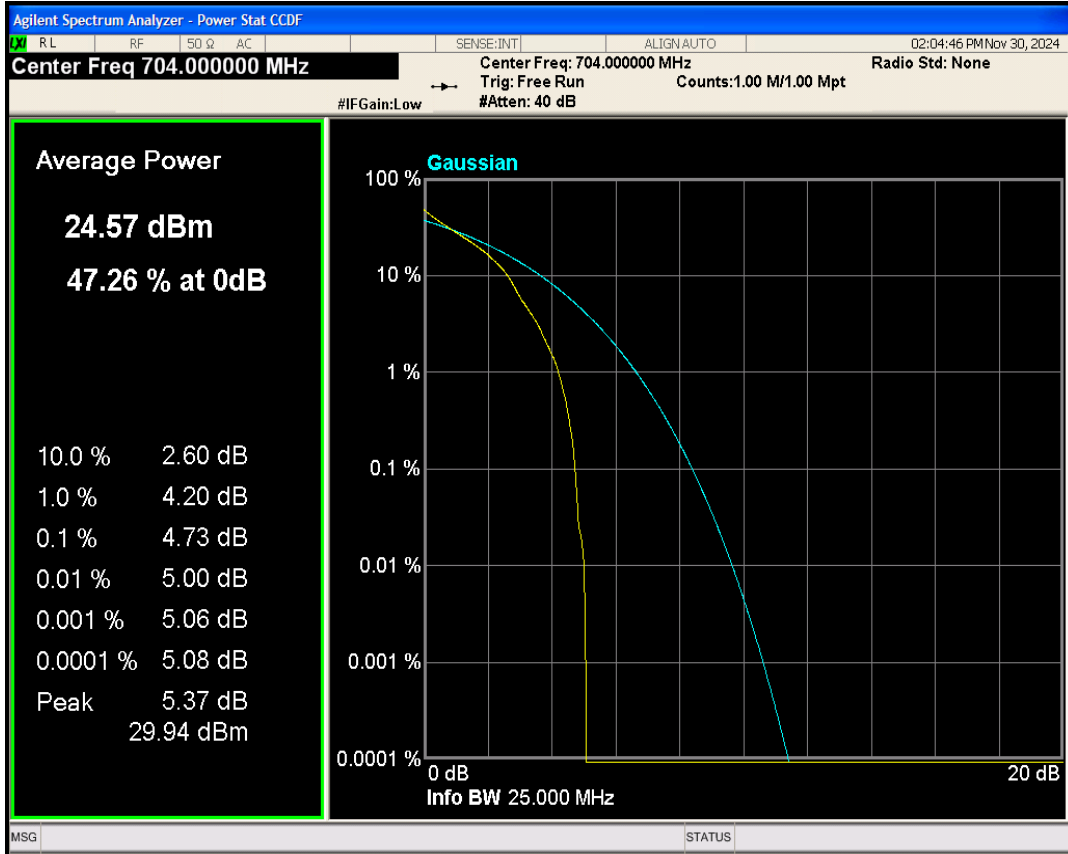
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



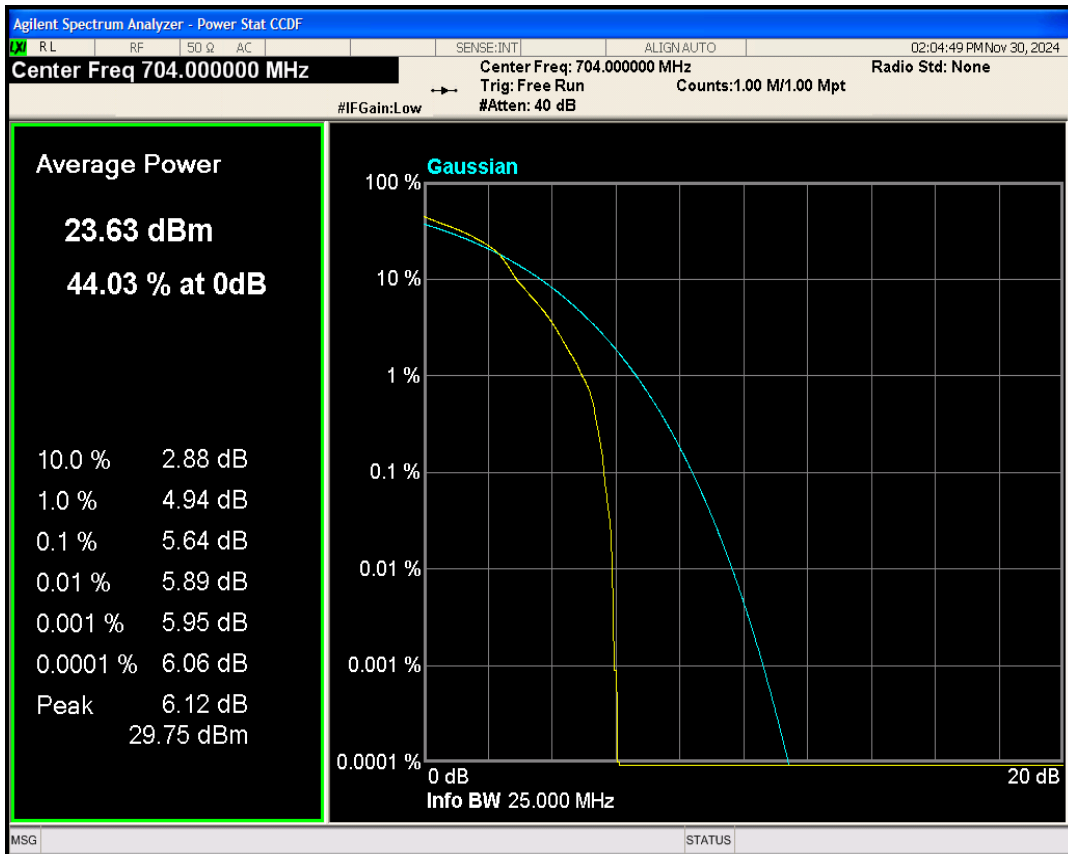
Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



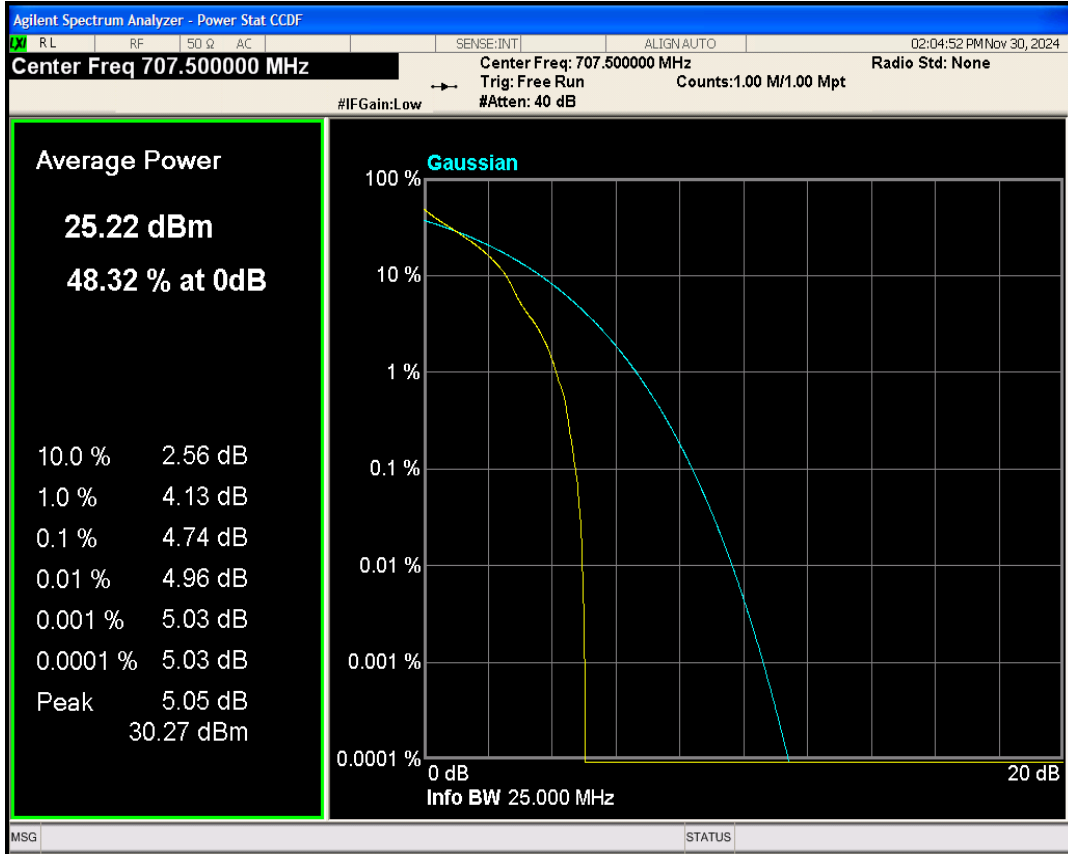
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



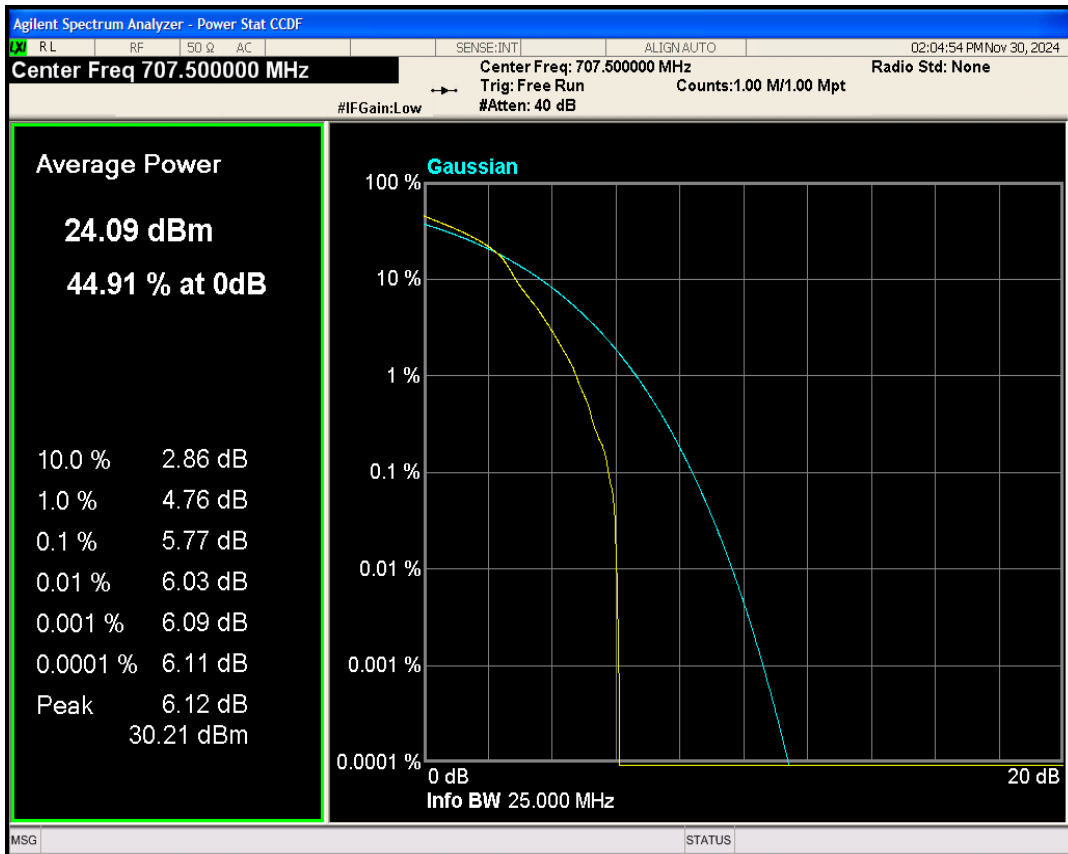
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



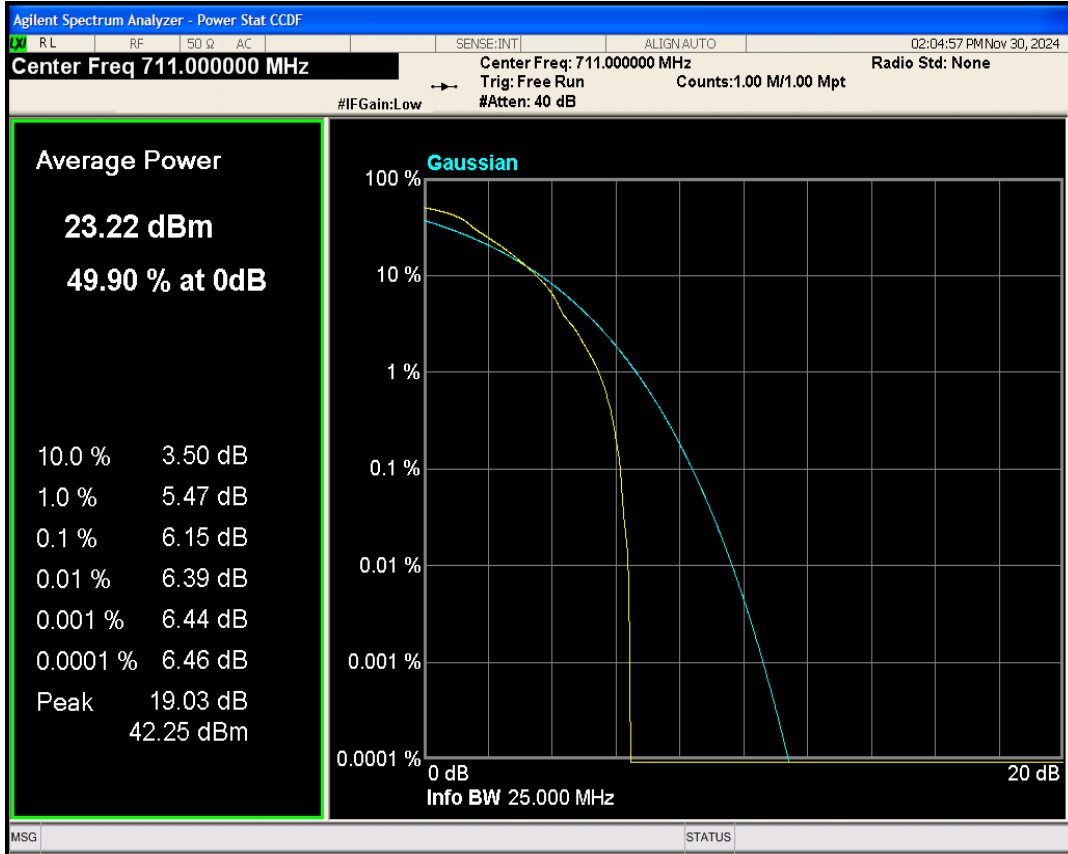
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



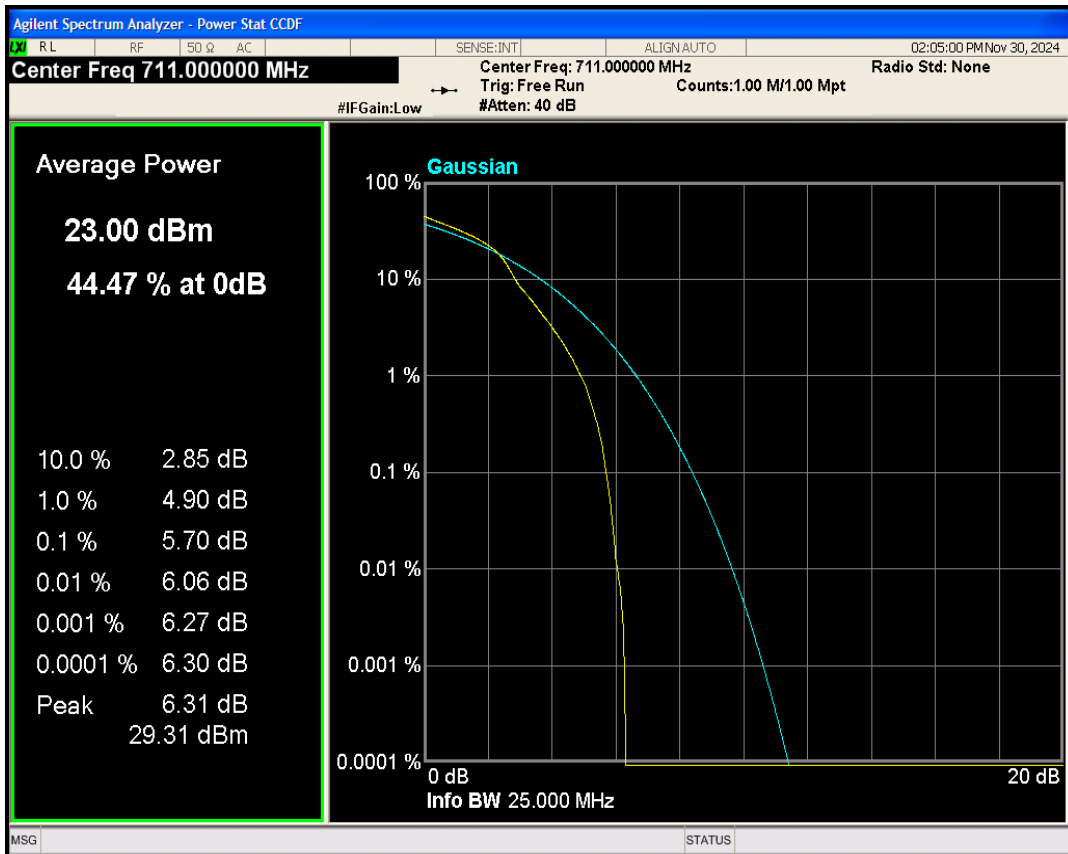
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



Band12 QPSK BW=10MHz Channel=23130 RB Size=1 Position=#0



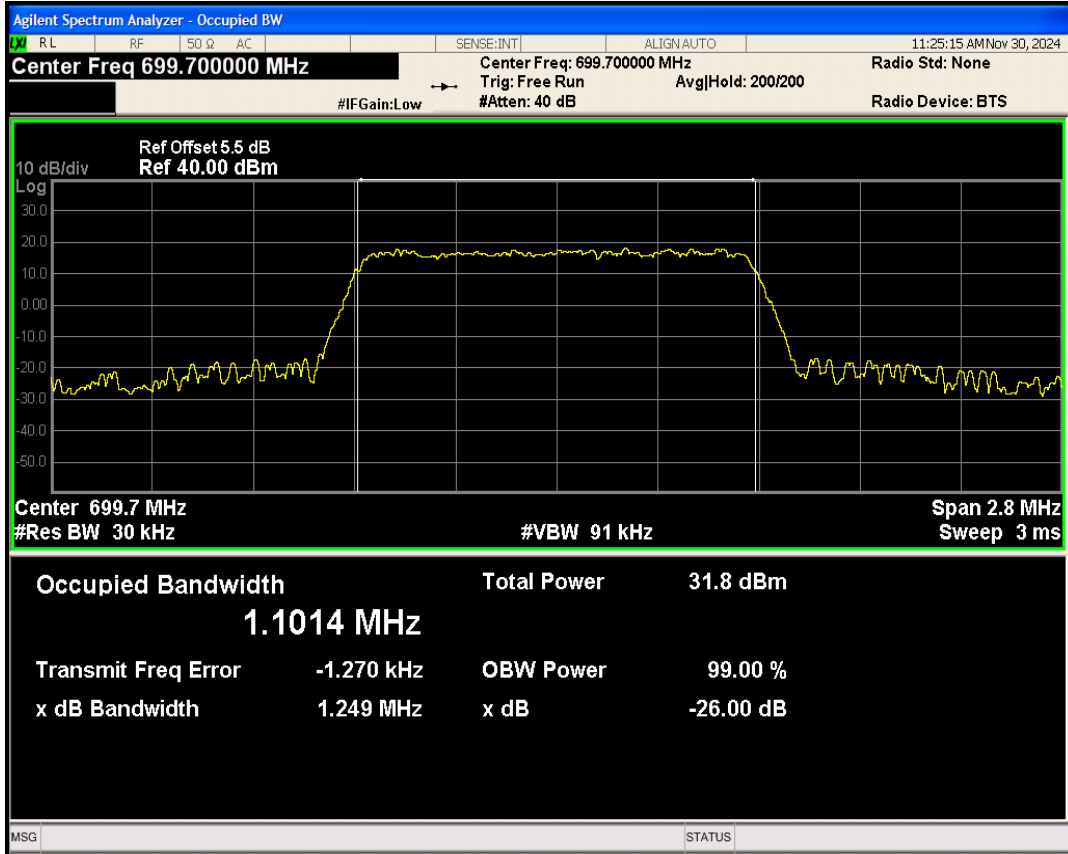
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



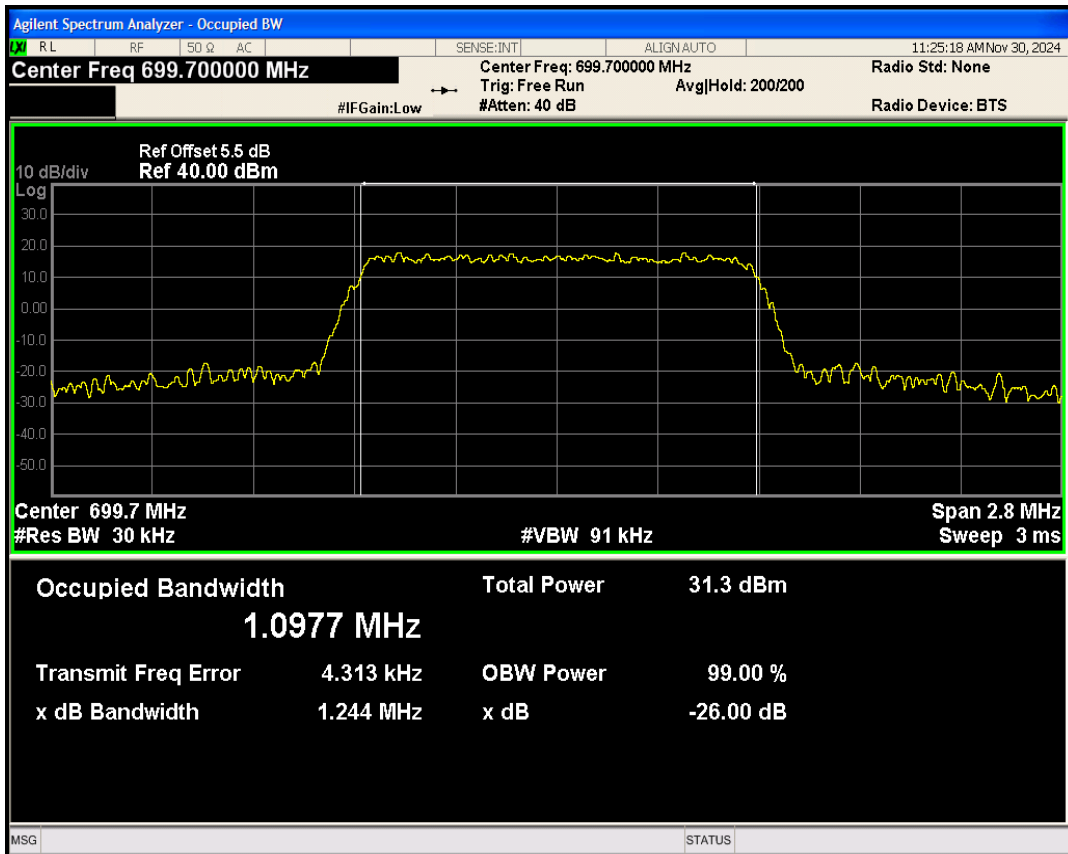
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.101	1.249	PASS
Band12	1.4	23017	6	#0	16QAM	1.098	1.244	PASS
Band12	1.4	23095	6	#0	QPSK	1.088	1.250	PASS
Band12	1.4	23095	6	#0	16QAM	1.094	1.241	PASS
Band12	1.4	23173	6	#0	QPSK	1.094	1.248	PASS
Band12	1.4	23173	6	#0	16QAM	1.096	1.241	PASS
Band12	3	23025	15	#0	QPSK	2.712	3.020	PASS
Band12	3	23025	15	#0	16QAM	2.695	3.049	PASS
Band12	3	23095	15	#0	QPSK	2.712	3.029	PASS
Band12	3	23095	15	#0	16QAM	2.703	3.014	PASS
Band12	3	23165	15	#0	QPSK	2.715	3.032	PASS
Band12	3	23165	15	#0	16QAM	2.724	3.059	PASS
Band12	5	23035	25	#0	QPSK	4.527	4.917	PASS
Band12	5	23035	25	#0	16QAM	4.505	4.980	PASS
Band12	5	23095	25	#0	QPSK	4.507	4.922	PASS
Band12	5	23095	25	#0	16QAM	4.512	4.966	PASS
Band12	5	23155	25	#0	QPSK	4.493	4.948	PASS
Band12	5	23155	25	#0	16QAM	4.513	4.965	PASS
Band12	10	23060	50	#0	QPSK	8.977	9.851	PASS
Band12	10	23060	50	#0	16QAM	8.995	9.907	PASS
Band12	10	23095	50	#0	QPSK	8.970	9.769	PASS
Band12	10	23095	50	#0	16QAM	8.974	9.801	PASS
Band12	10	23130	50	#0	QPSK	9.018	9.861	PASS
Band12	10	23130	50	#0	16QAM	8.993	9.859	PASS

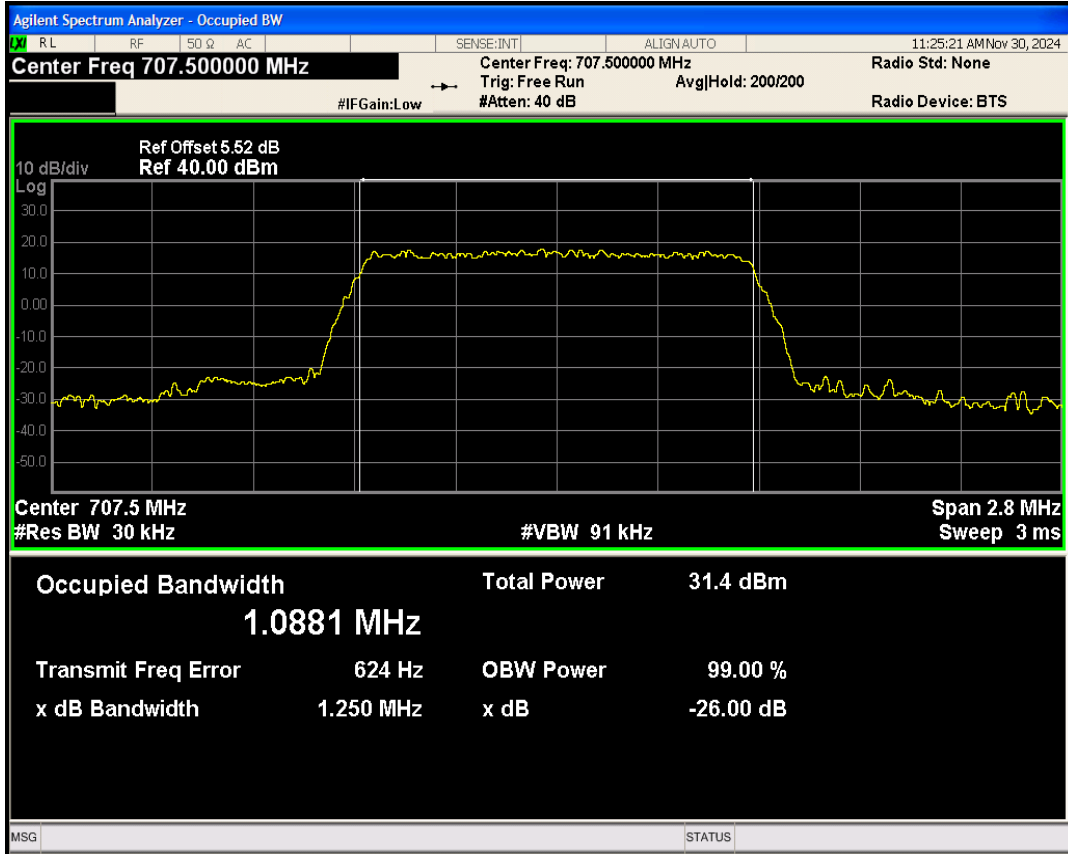
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



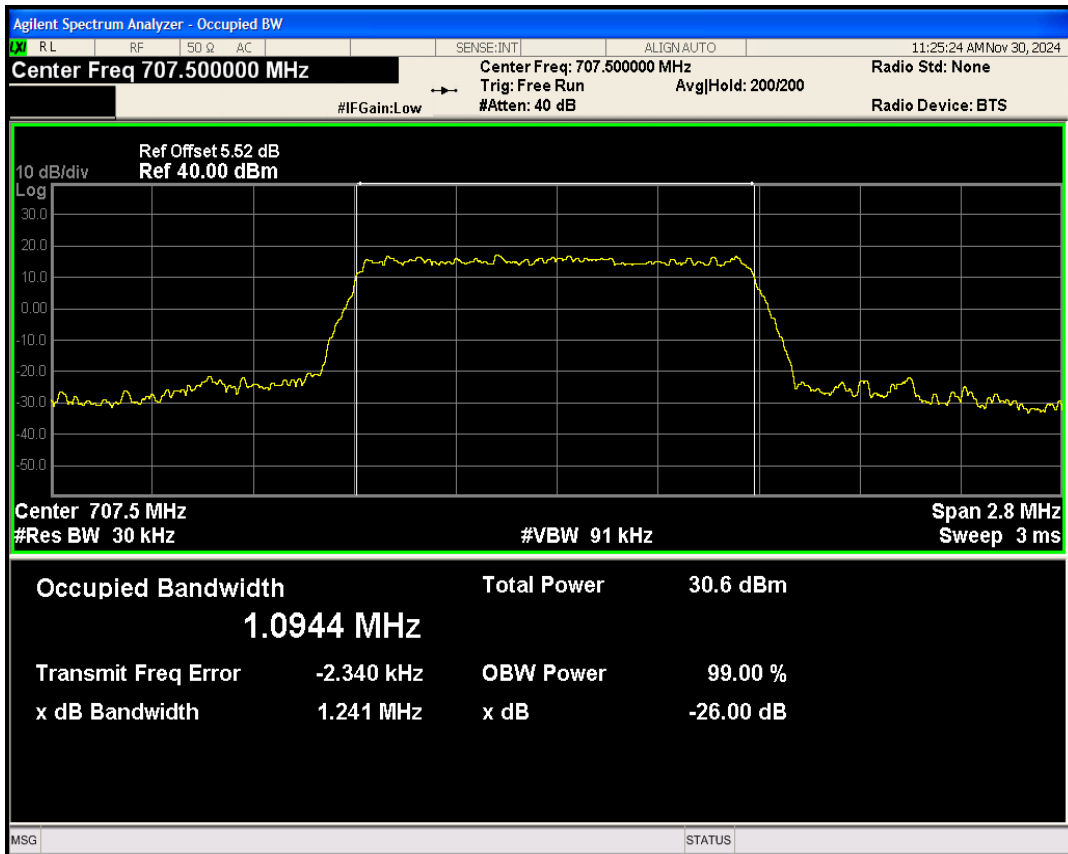
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



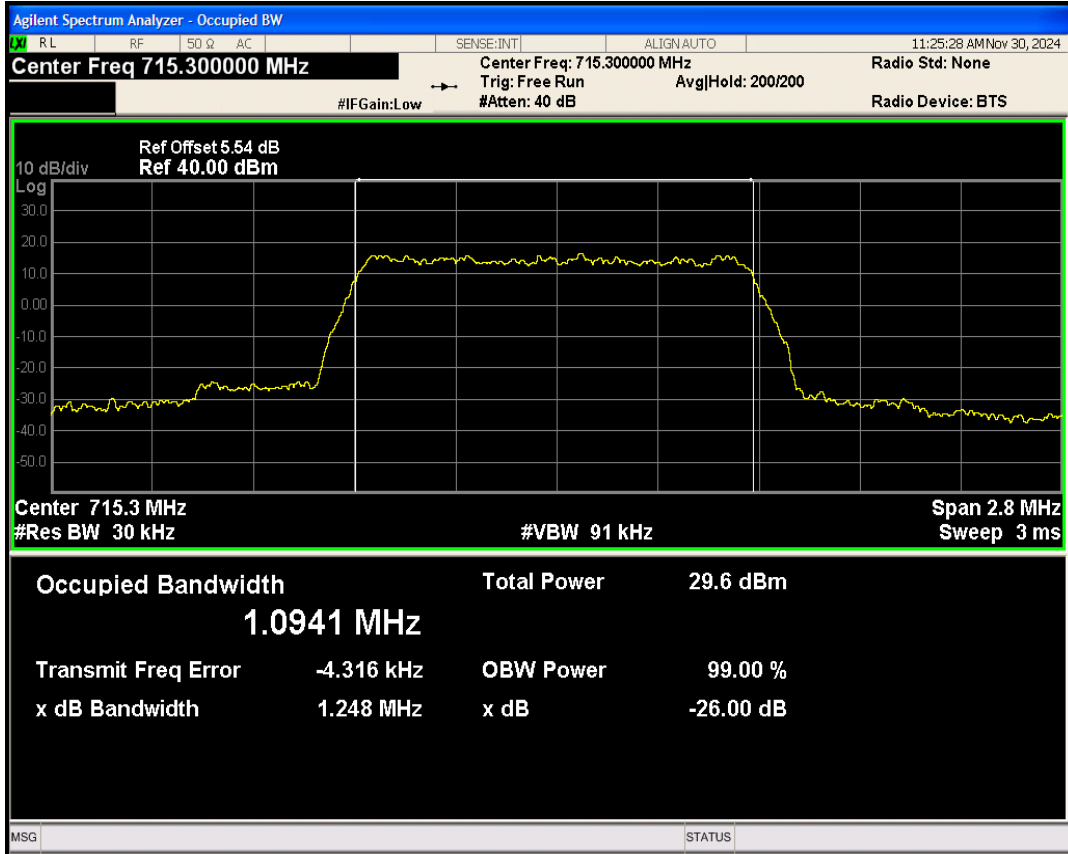
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



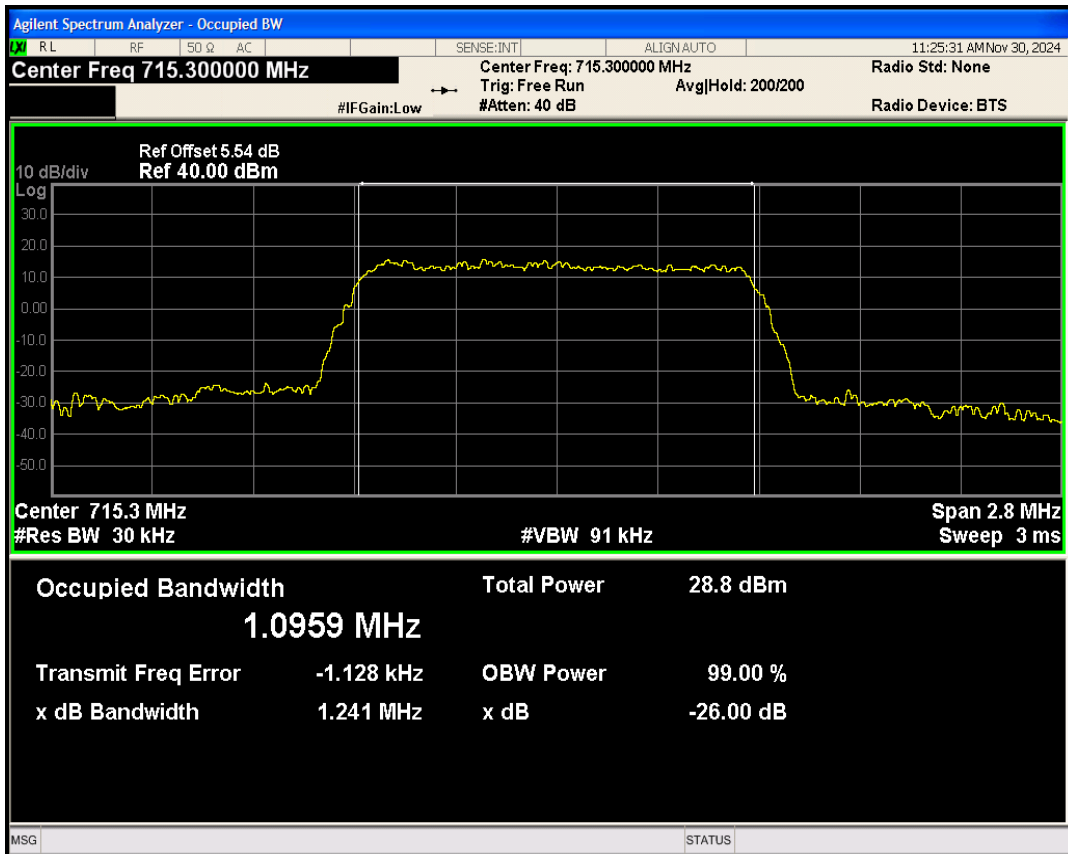
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



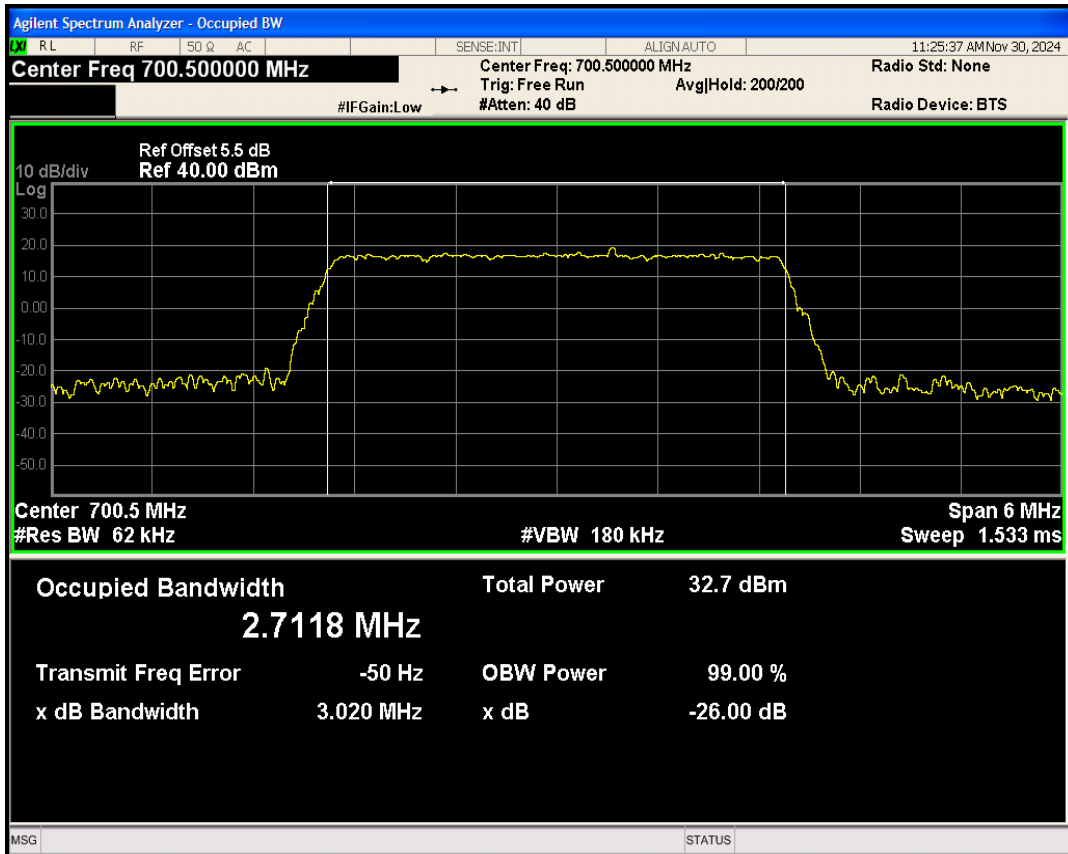
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



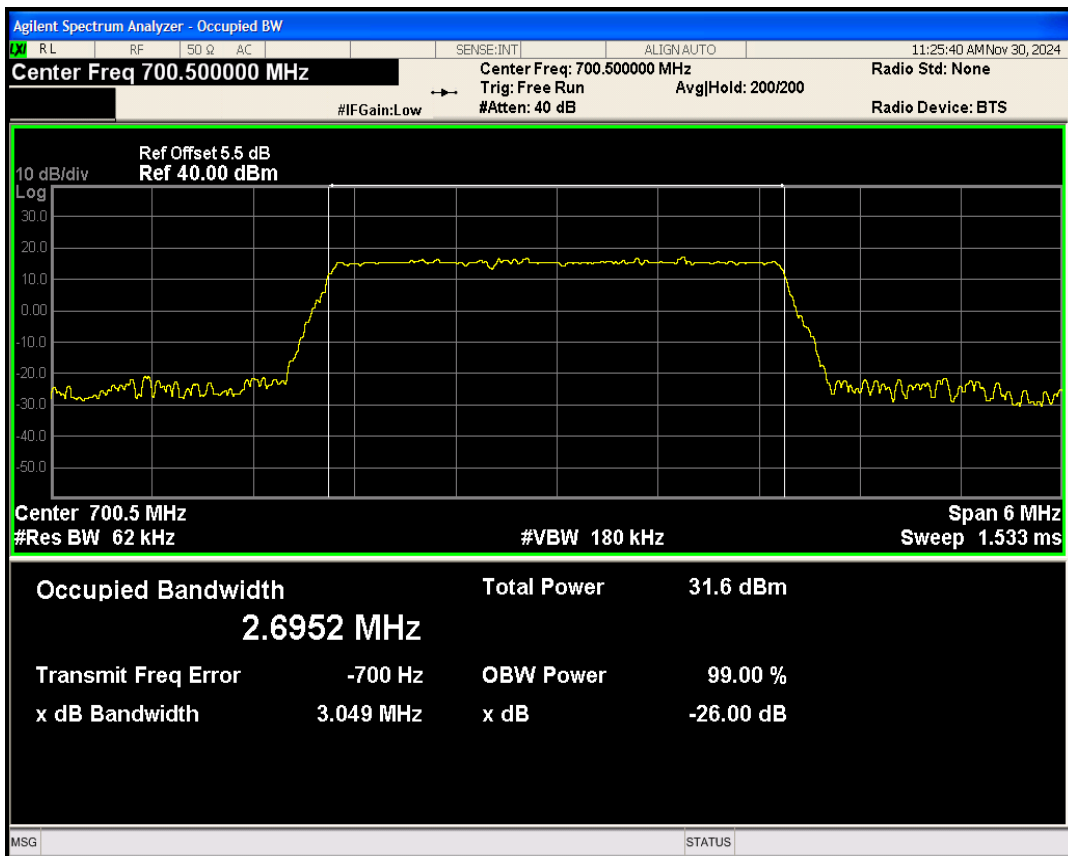
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



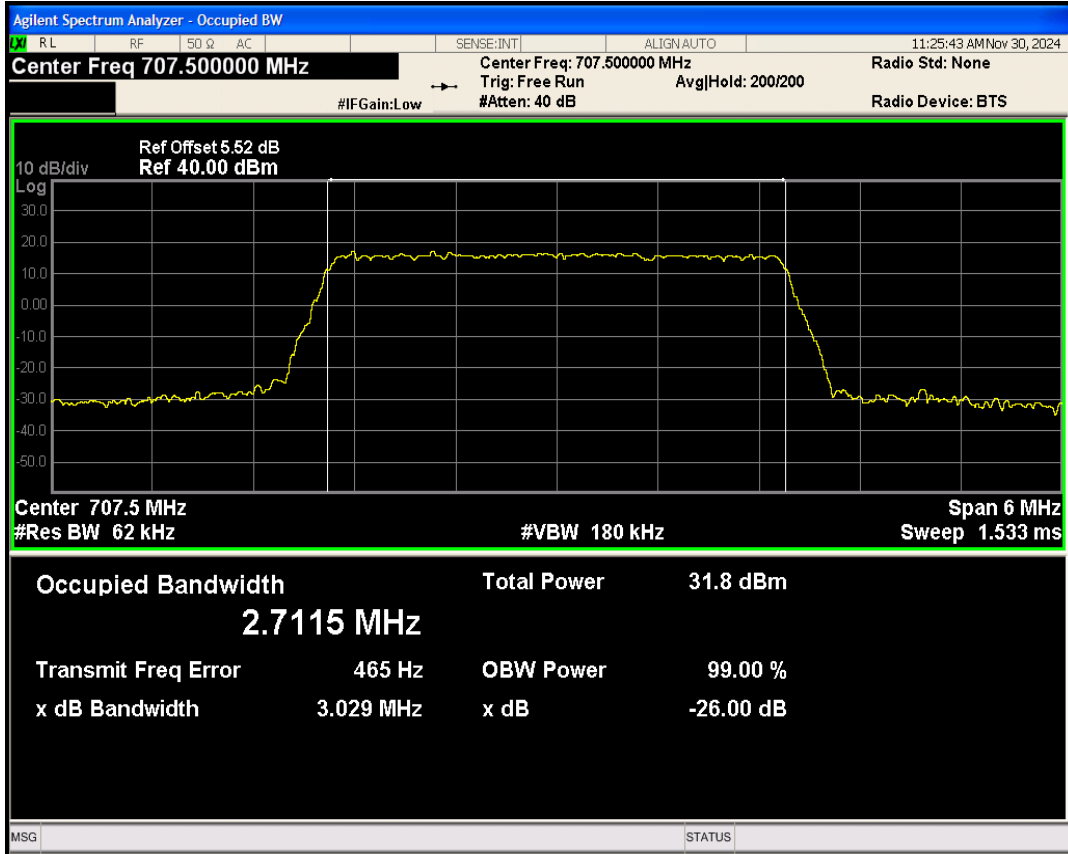
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



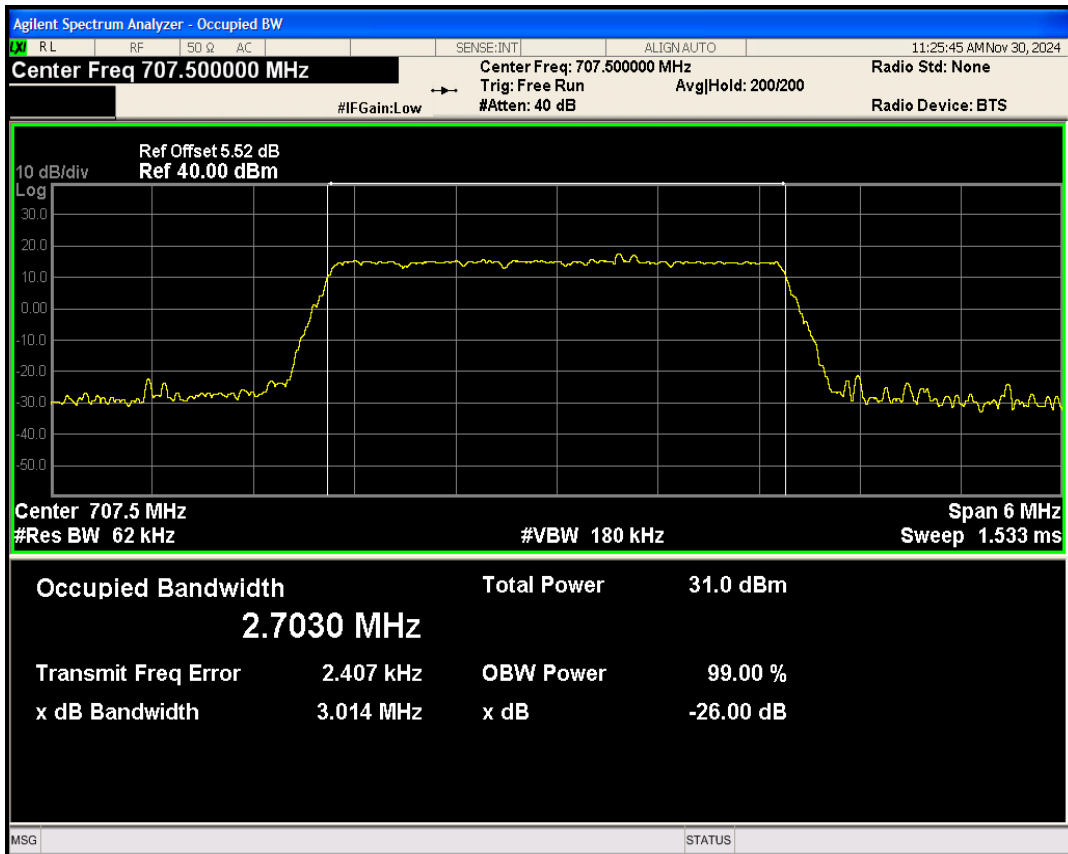
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



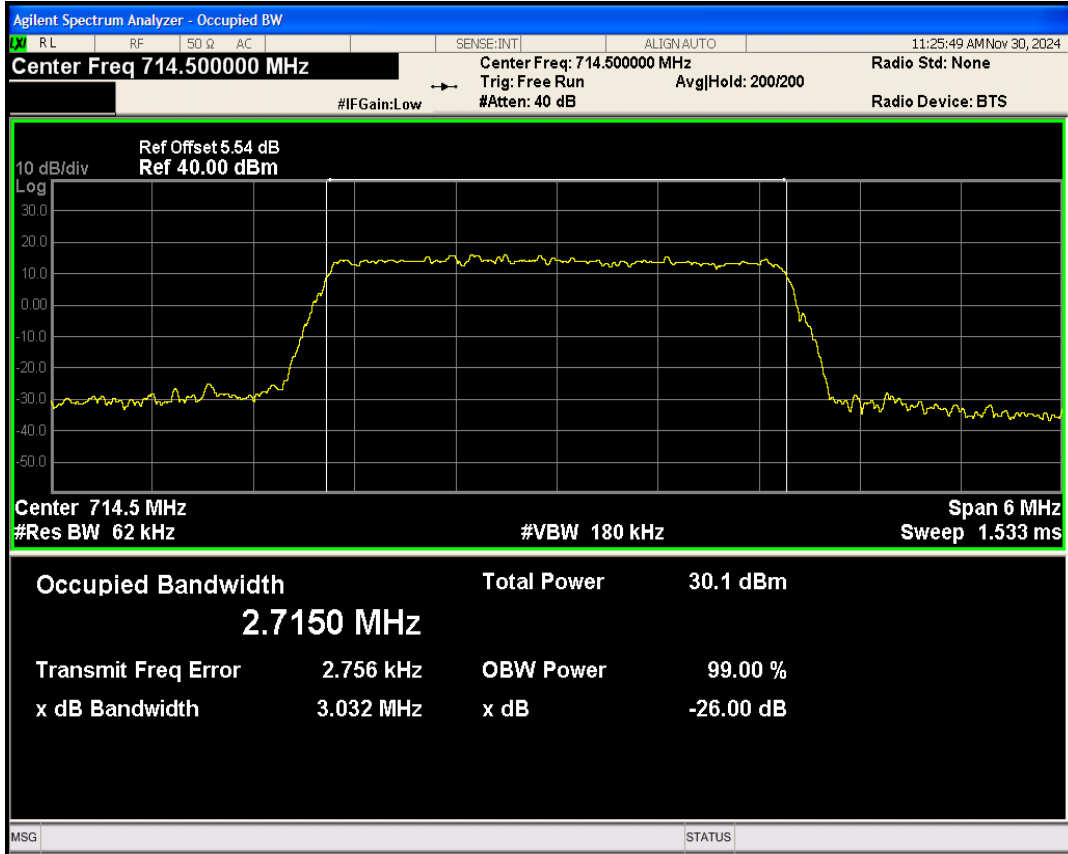
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



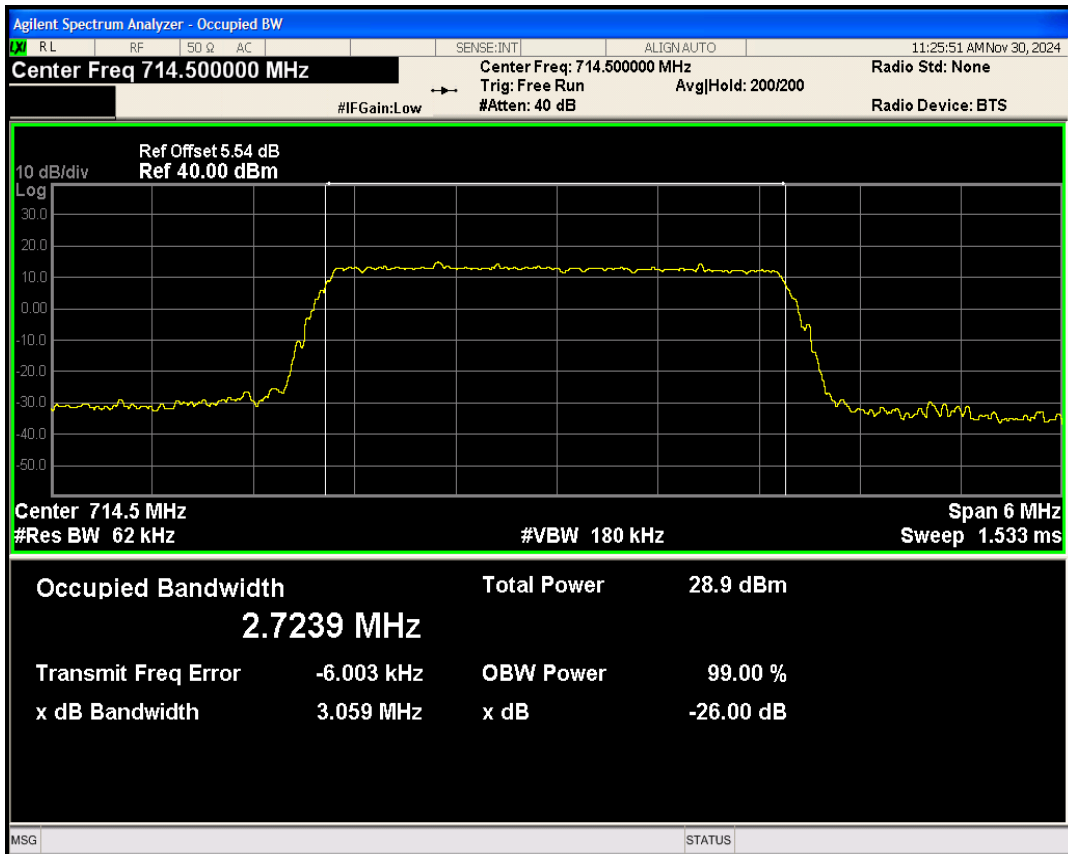
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



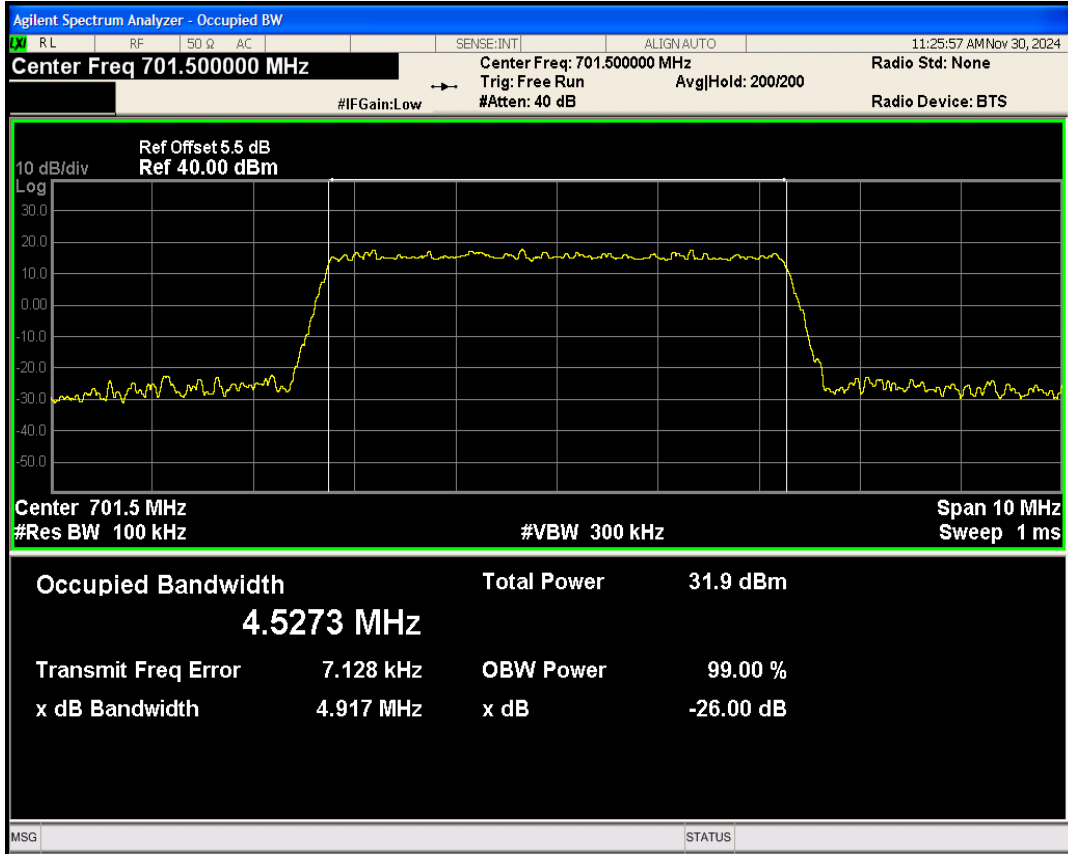
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



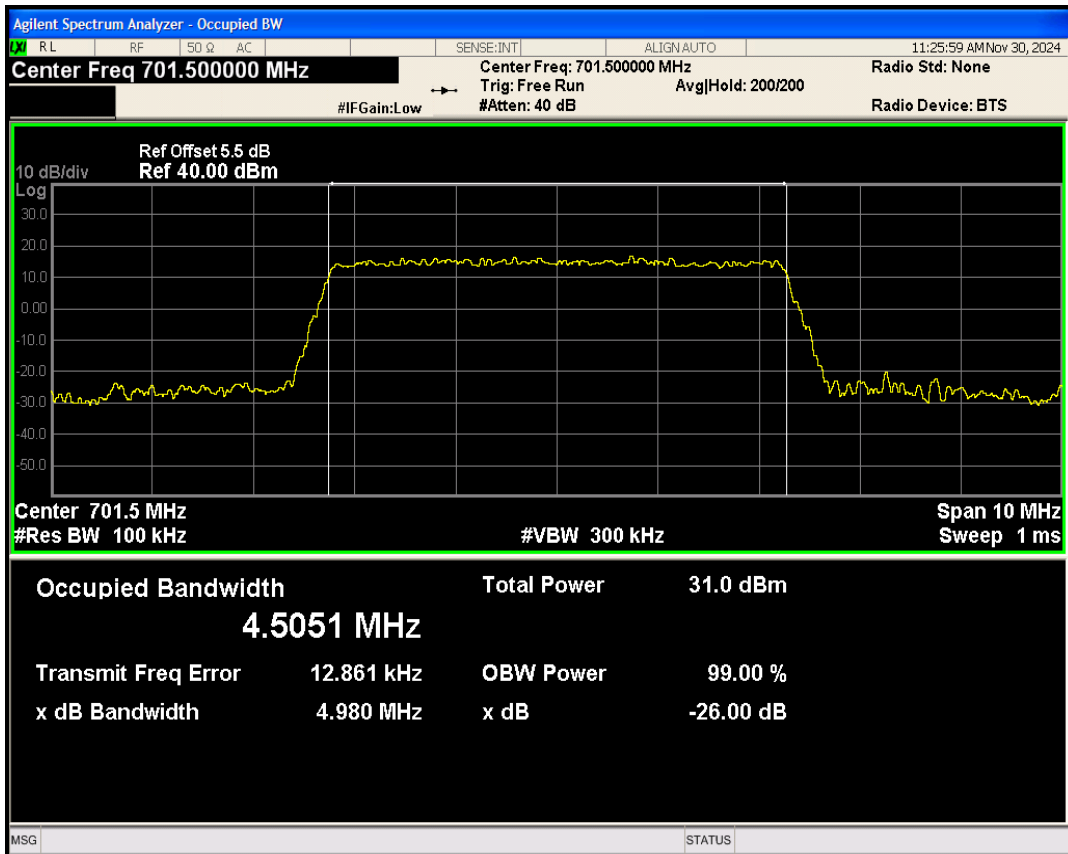
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



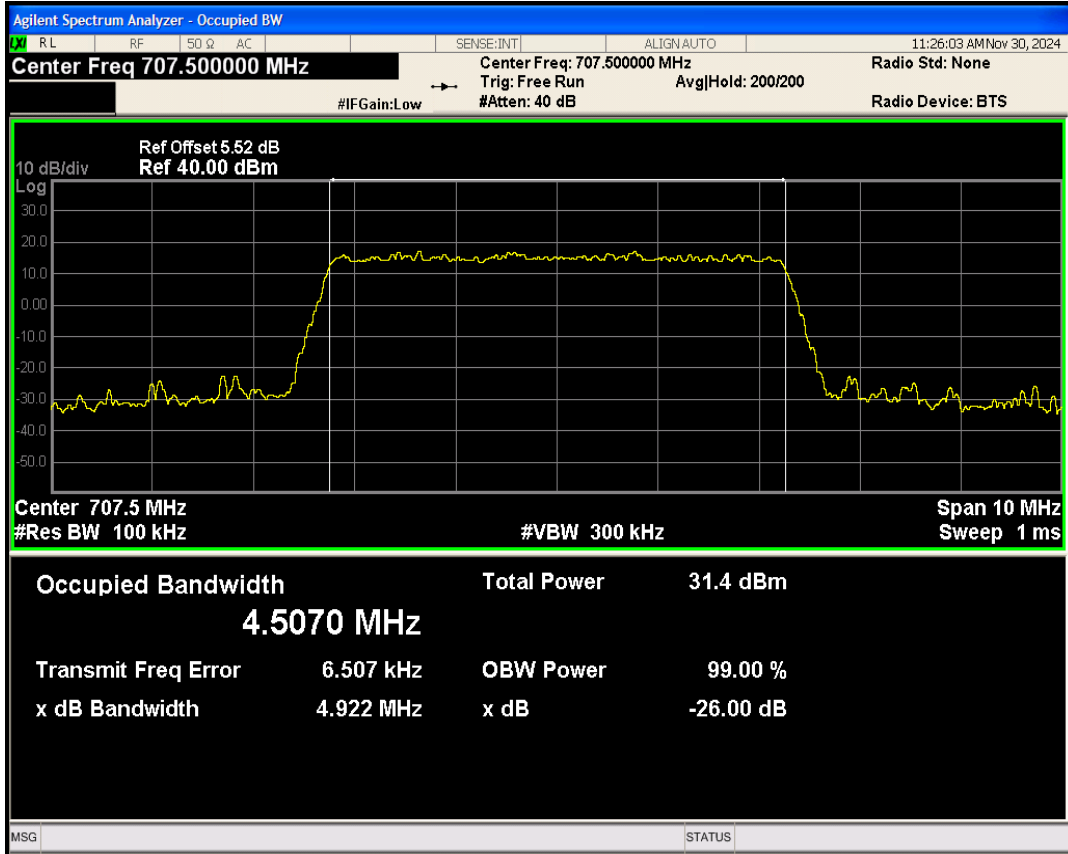
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



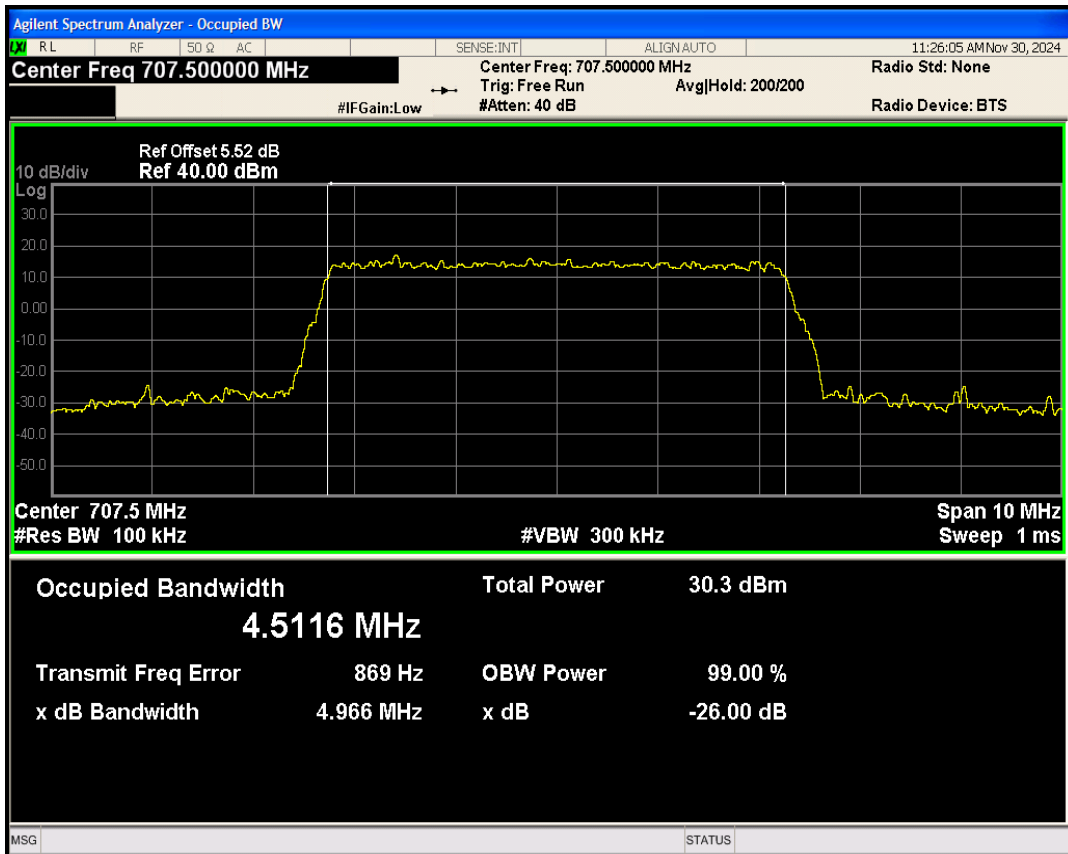
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



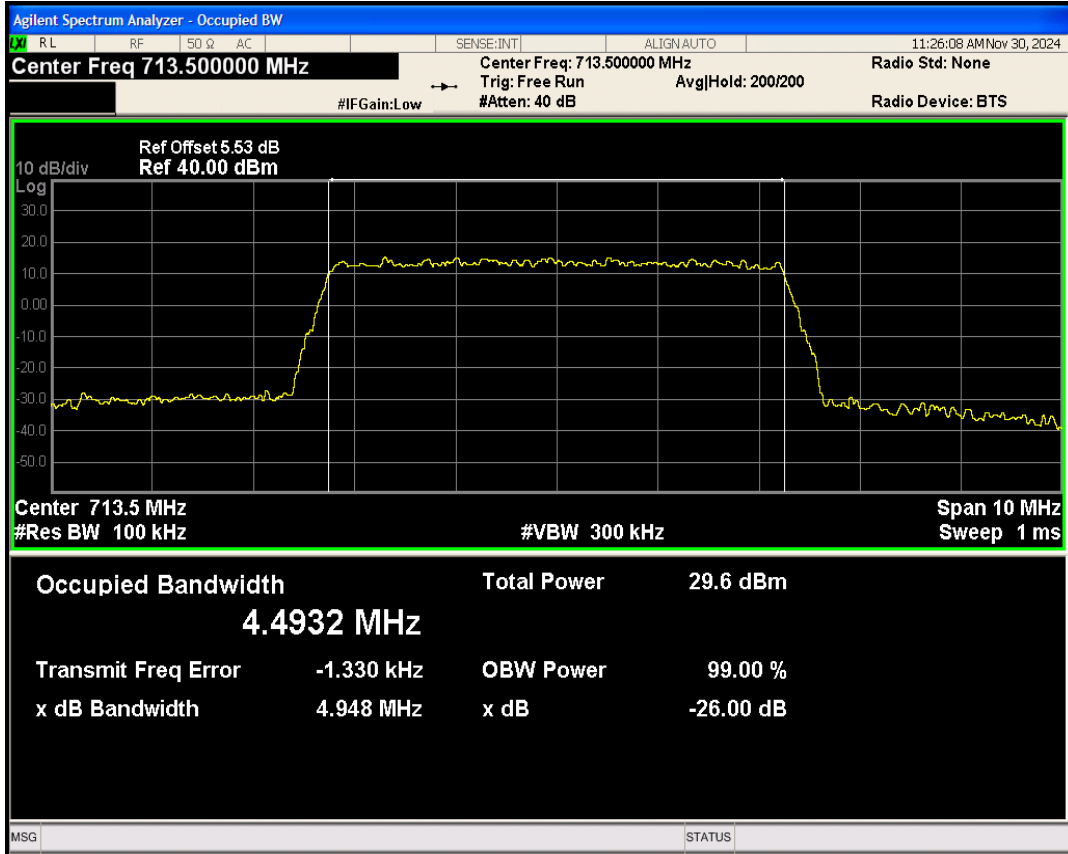
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



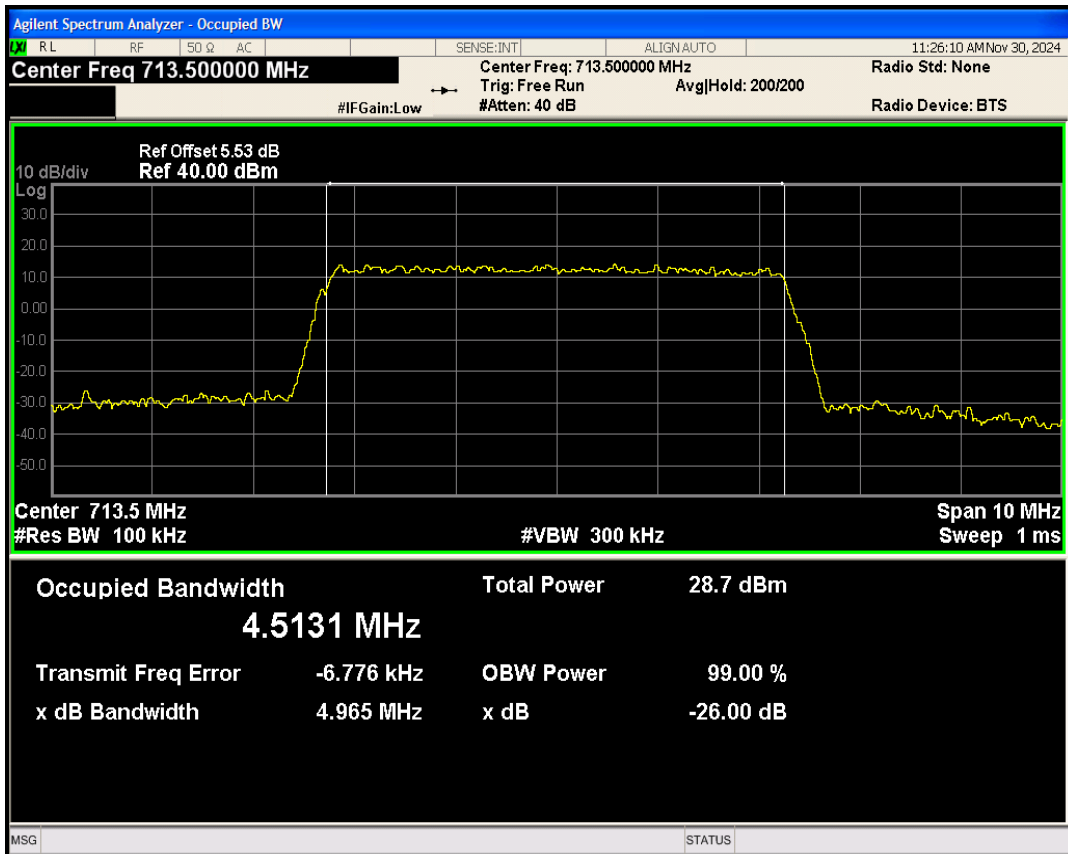
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



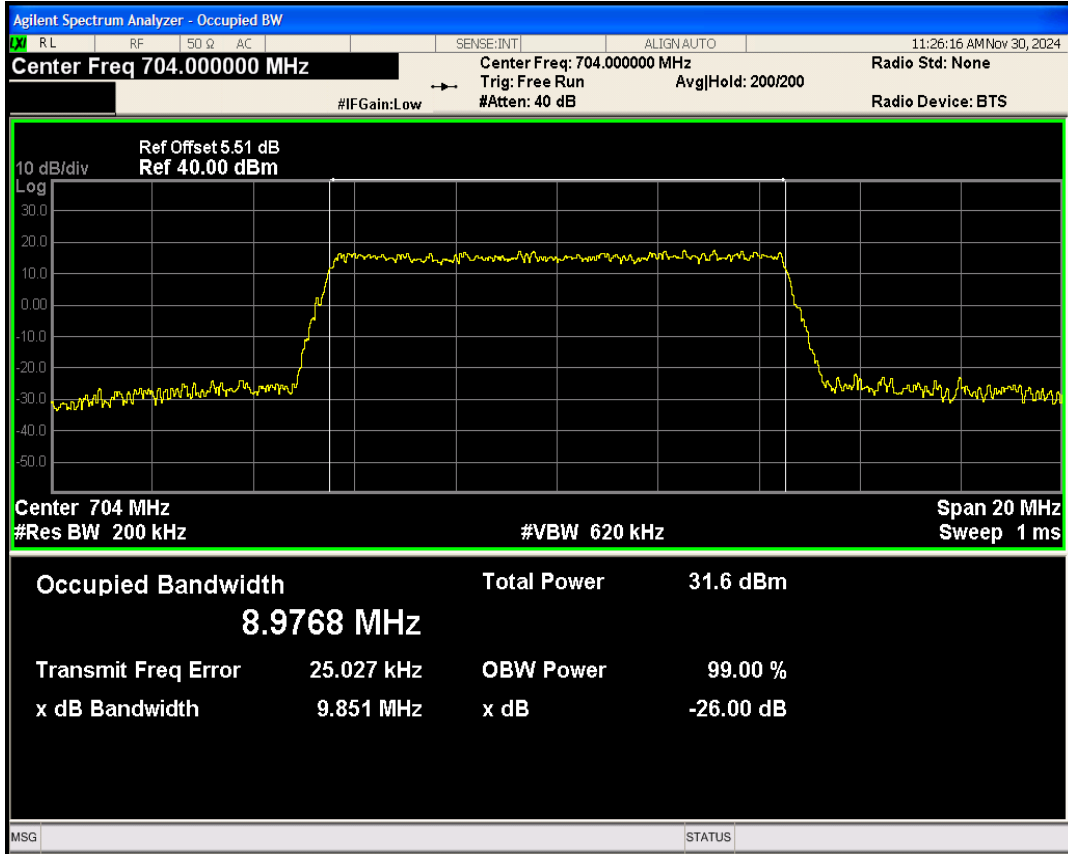
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



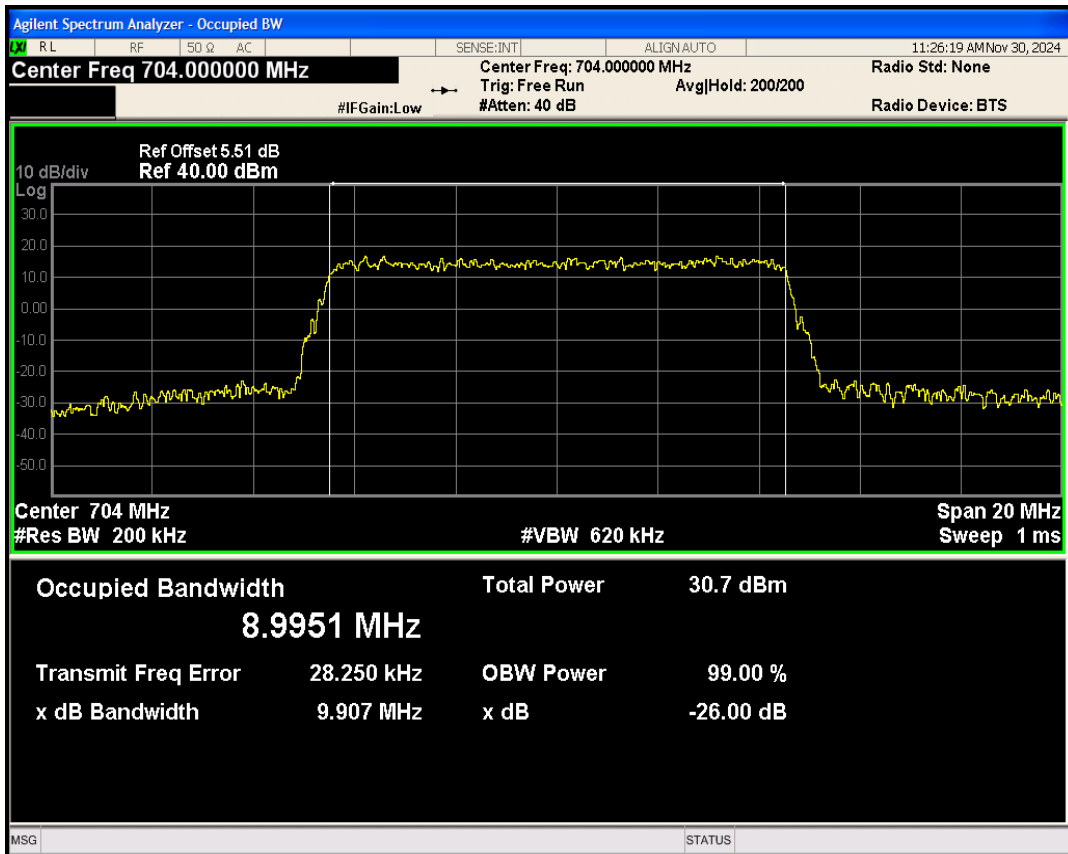
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



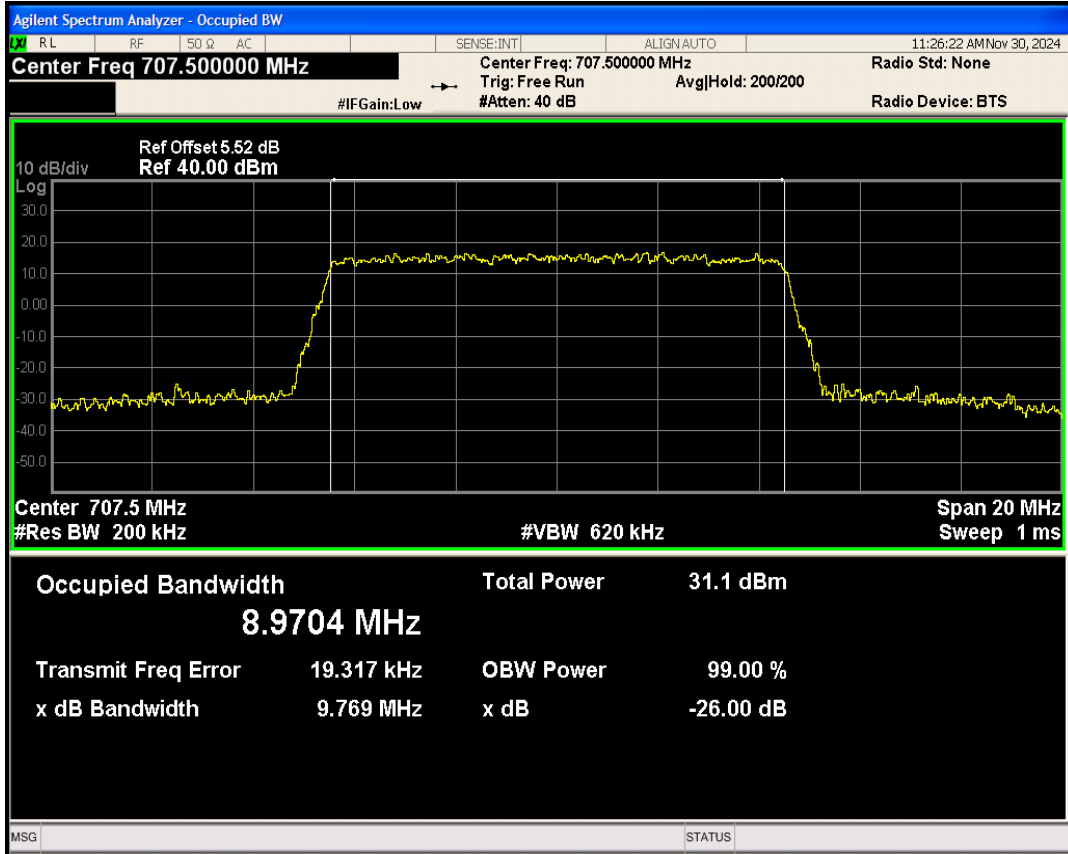
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



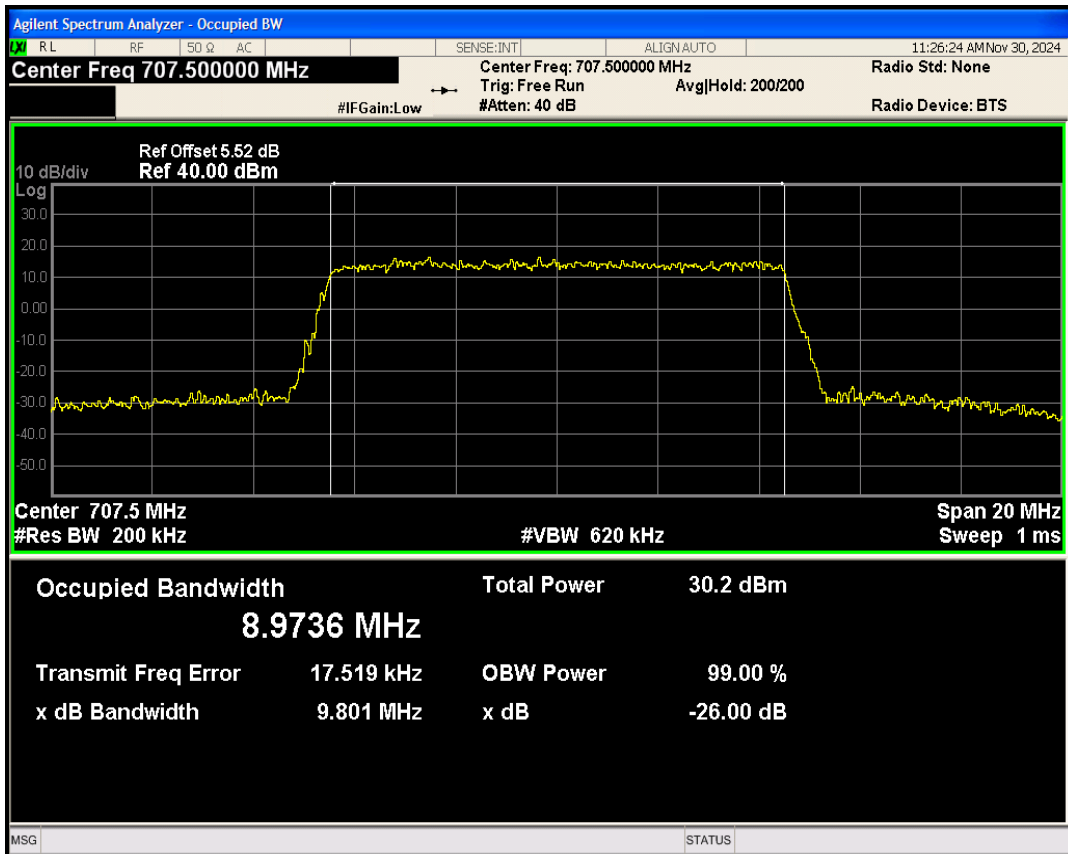
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



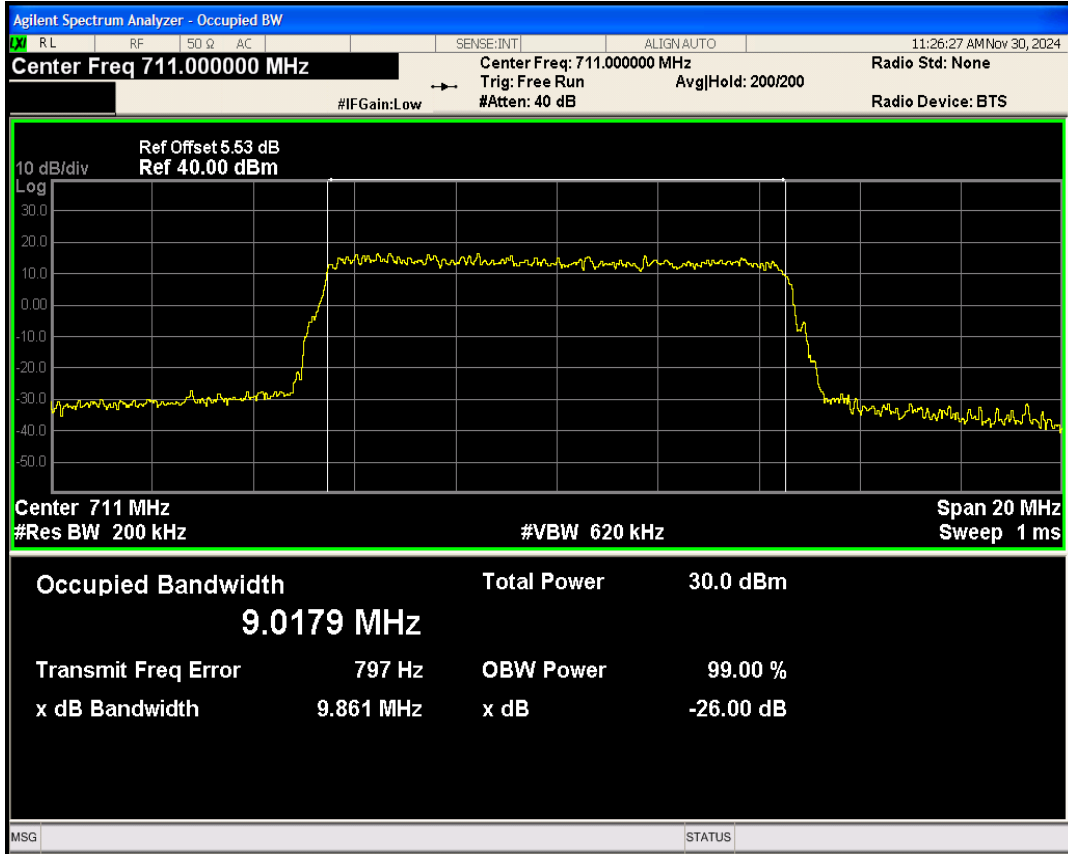
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



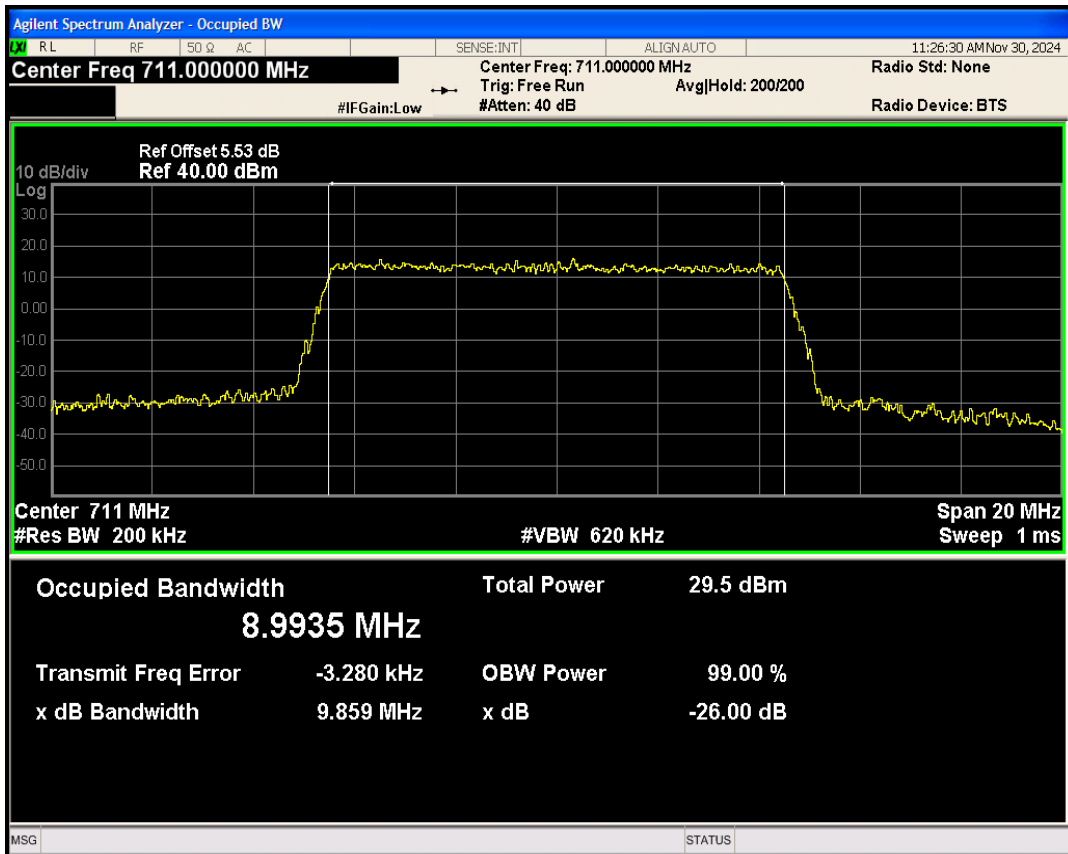
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



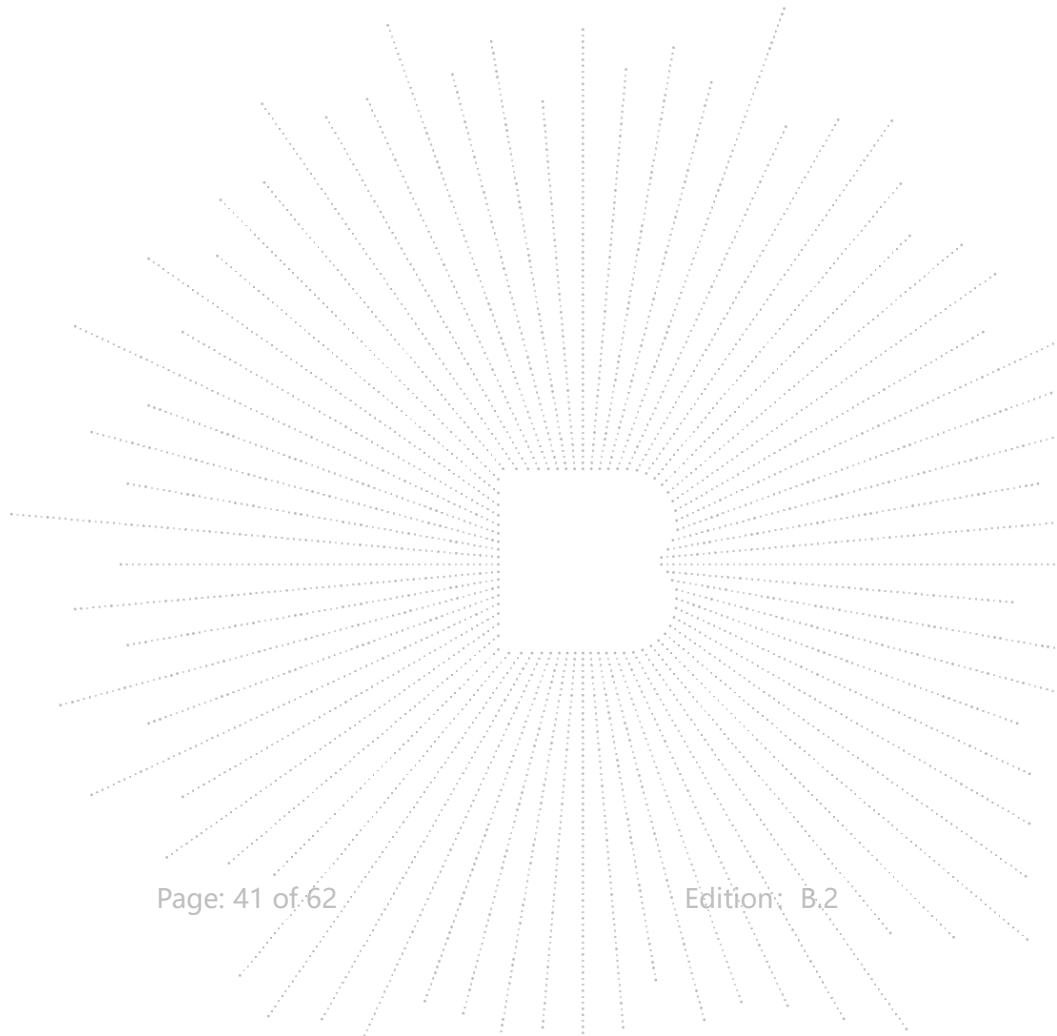
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

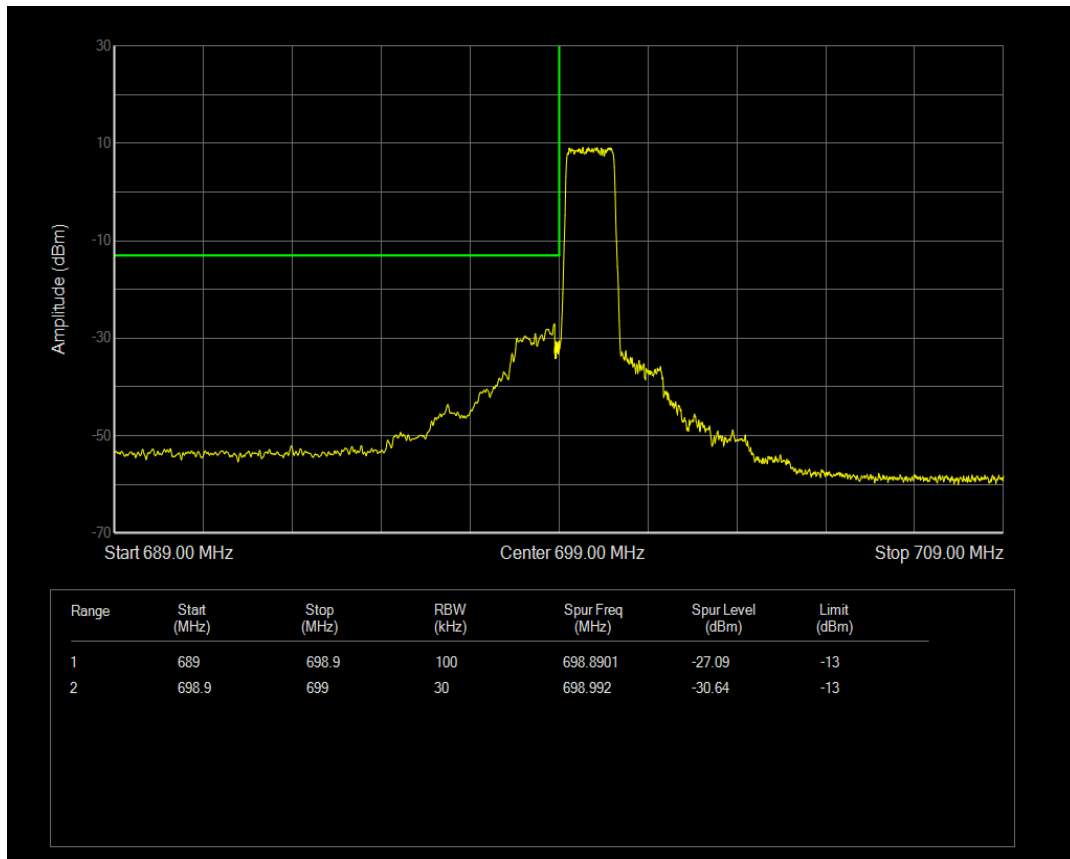


Appendix 5. Band edge

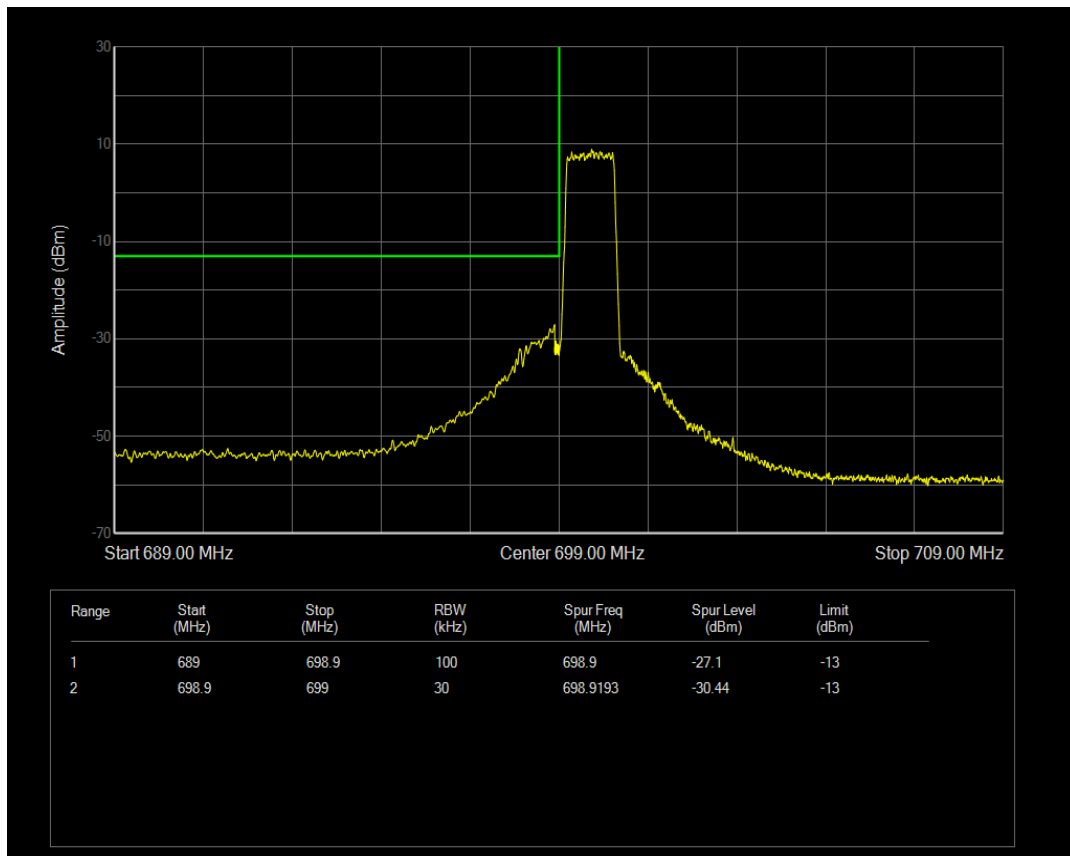
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	698.89	-27.09	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.90	-27.10	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.12	-33.77	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.11	-33.10	-13	PASS
Band12	3	23025	15	#0	QPSK	699.00	-21.51	-13	PASS
Band12	3	23025	15	#0	16QAM	699.00	-23.46	-13	PASS
Band12	3	23165	15	#0	QPSK	716.00	-26.33	-13	PASS
Band12	3	23165	15	#0	16QAM	716.00	-27.66	-13	PASS
Band12	5	23035	25	#0	QPSK	699.00	-31.61	-13	PASS
Band12	5	23035	25	#0	16QAM	699.00	-31.96	-13	PASS
Band12	5	23155	25	#0	QPSK	716.01	-36.33	-13	PASS
Band12	5	23155	25	#0	16QAM	716.01	-36.51	-13	PASS
Band12	10	23060	50	#0	QPSK	698.90	-36.06	-13	PASS
Band12	10	23060	50	#0	16QAM	698.90	-35.98	-13	PASS
Band12	10	23130	50	#0	QPSK	716.11	-40.40	-13	PASS
Band12	10	23130	50	#0	16QAM	716.11	-40.22	-13	PASS

Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0

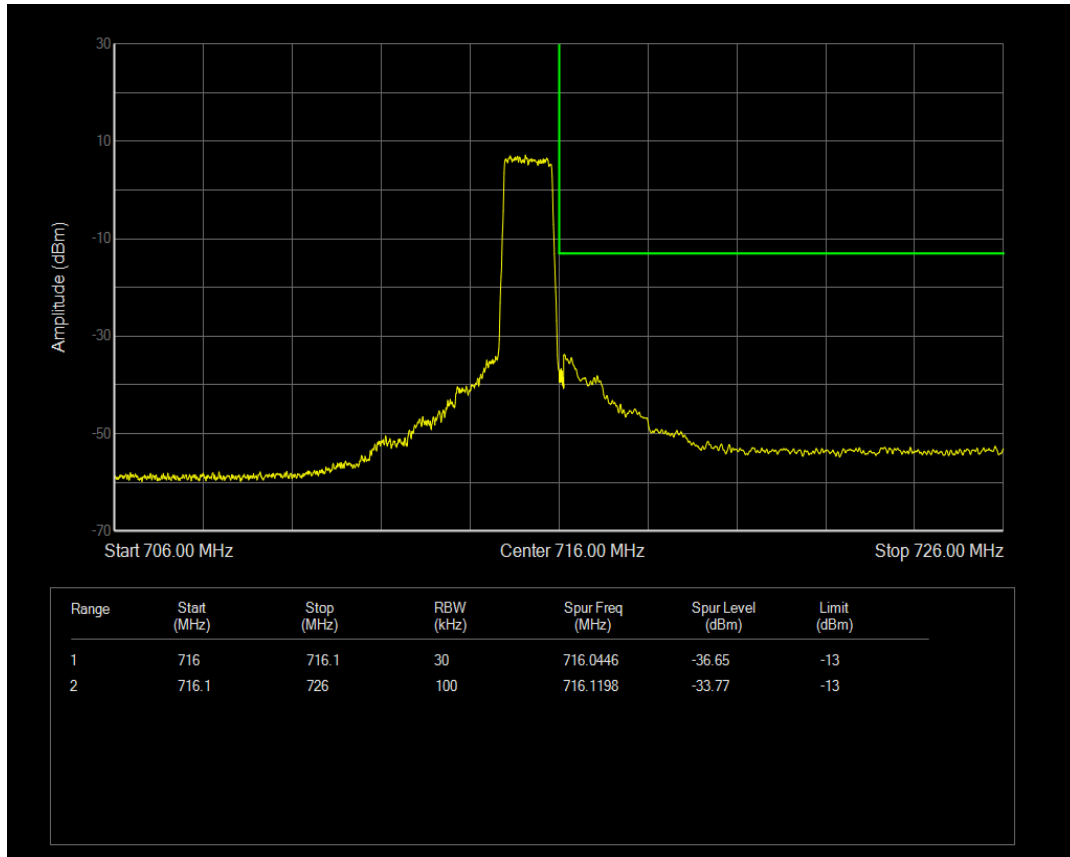




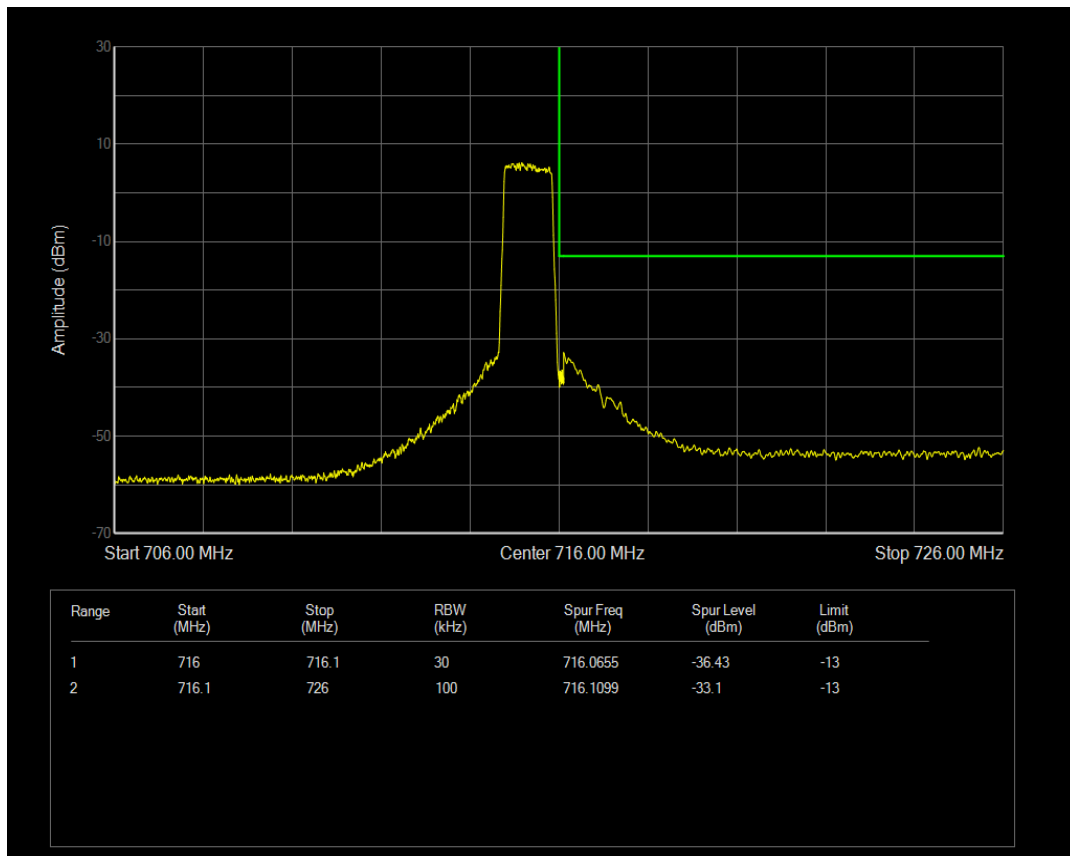
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



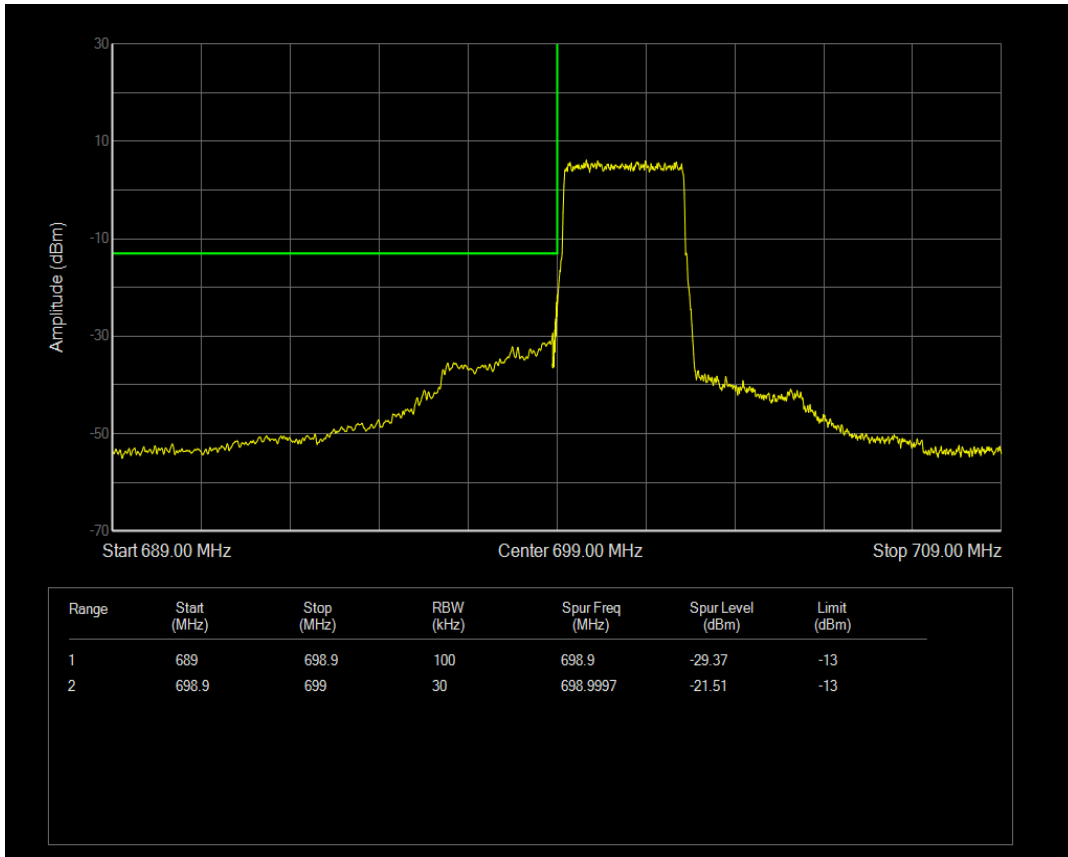
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



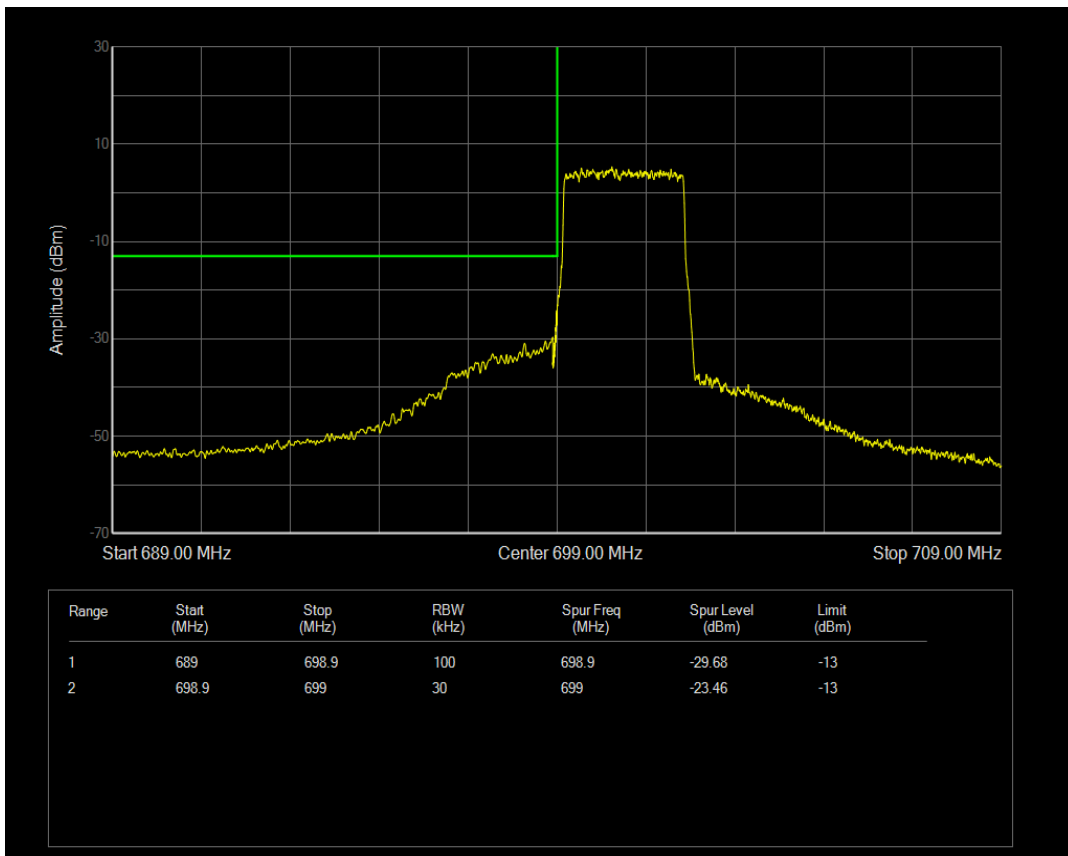
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



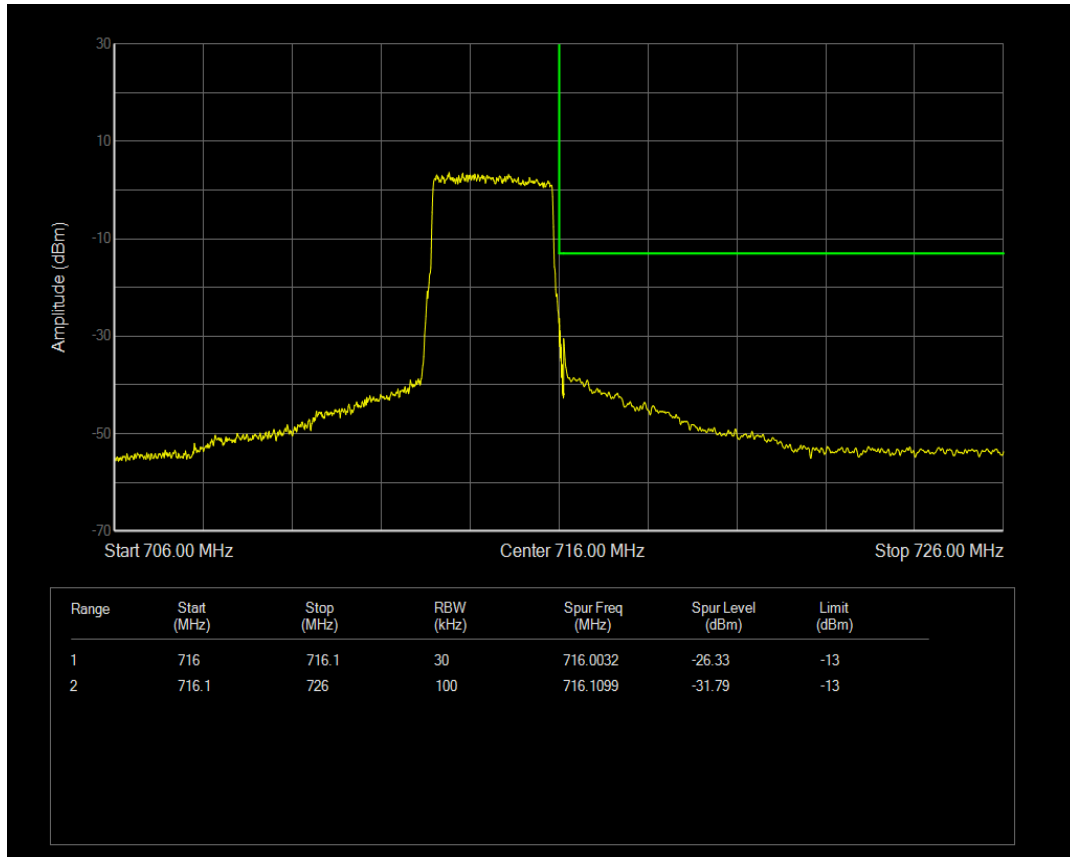
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



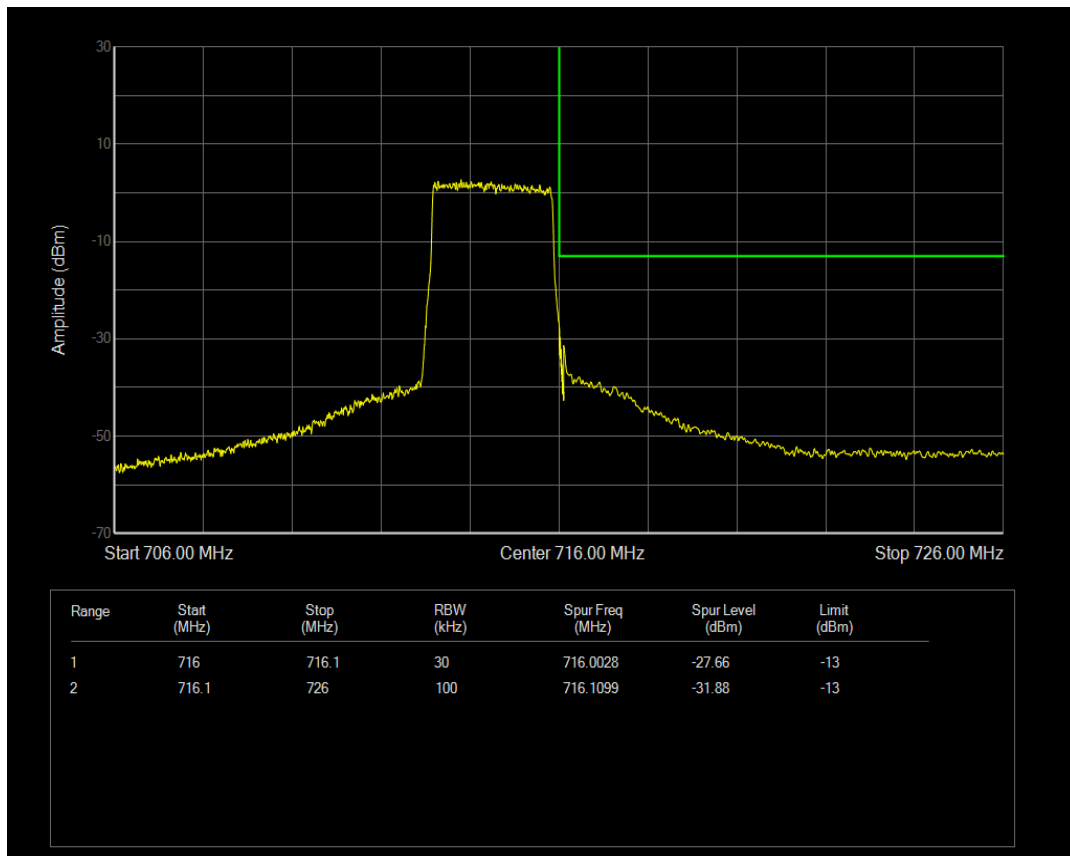
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



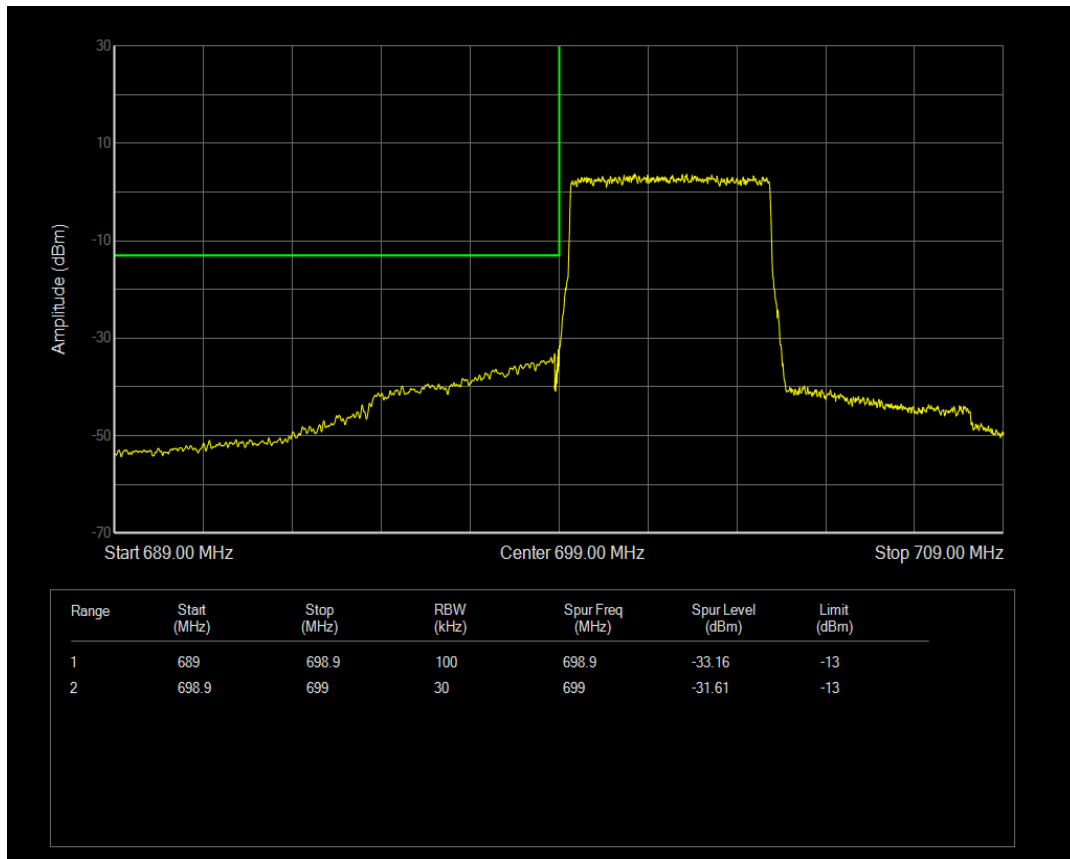
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



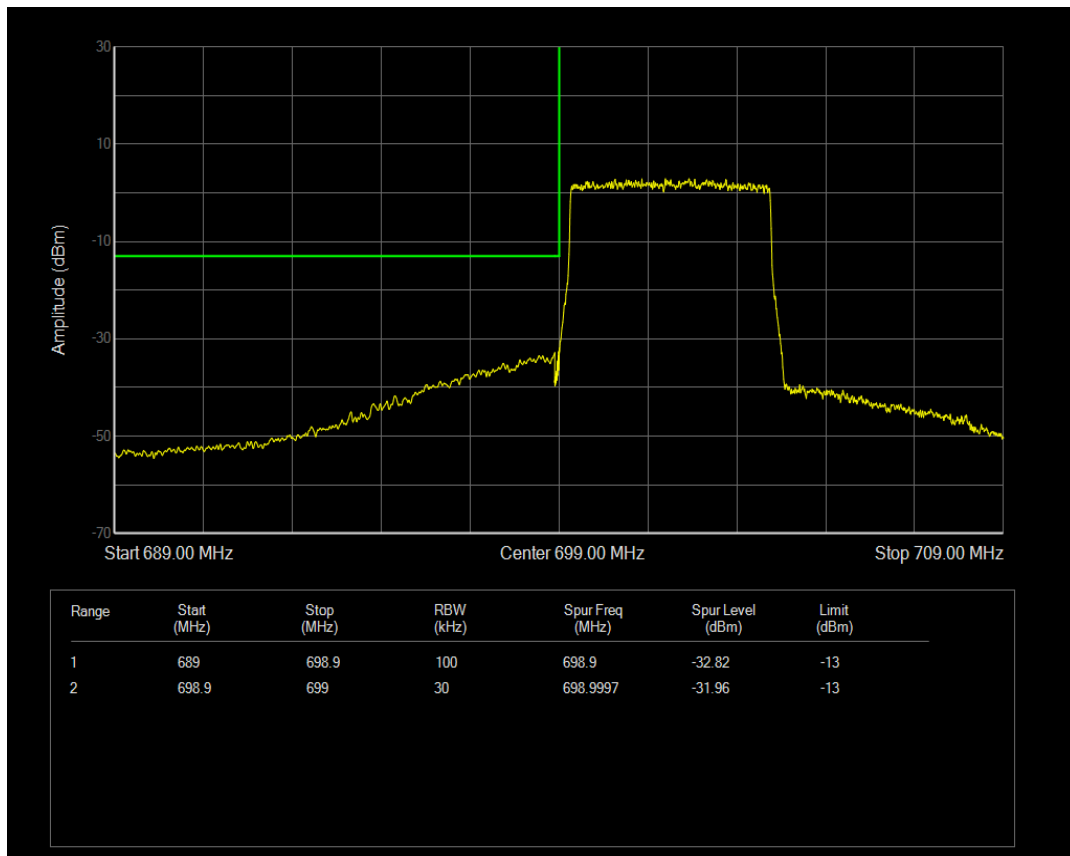
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



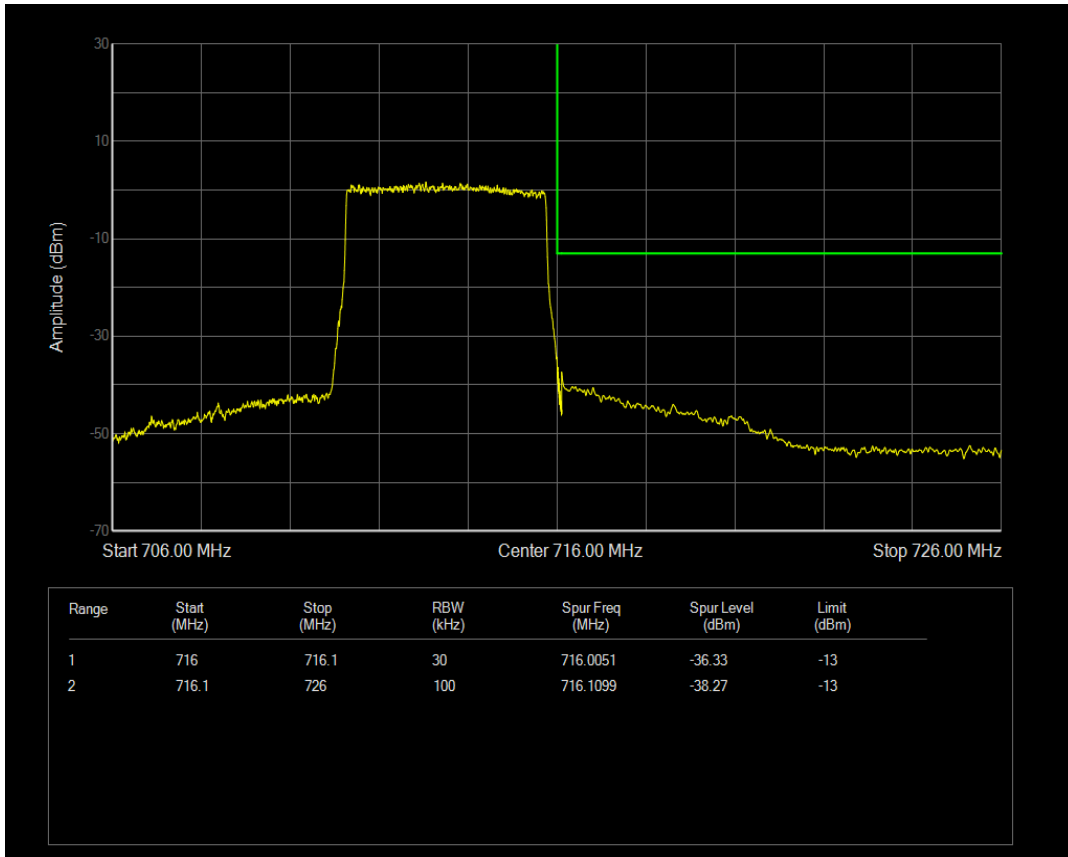
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



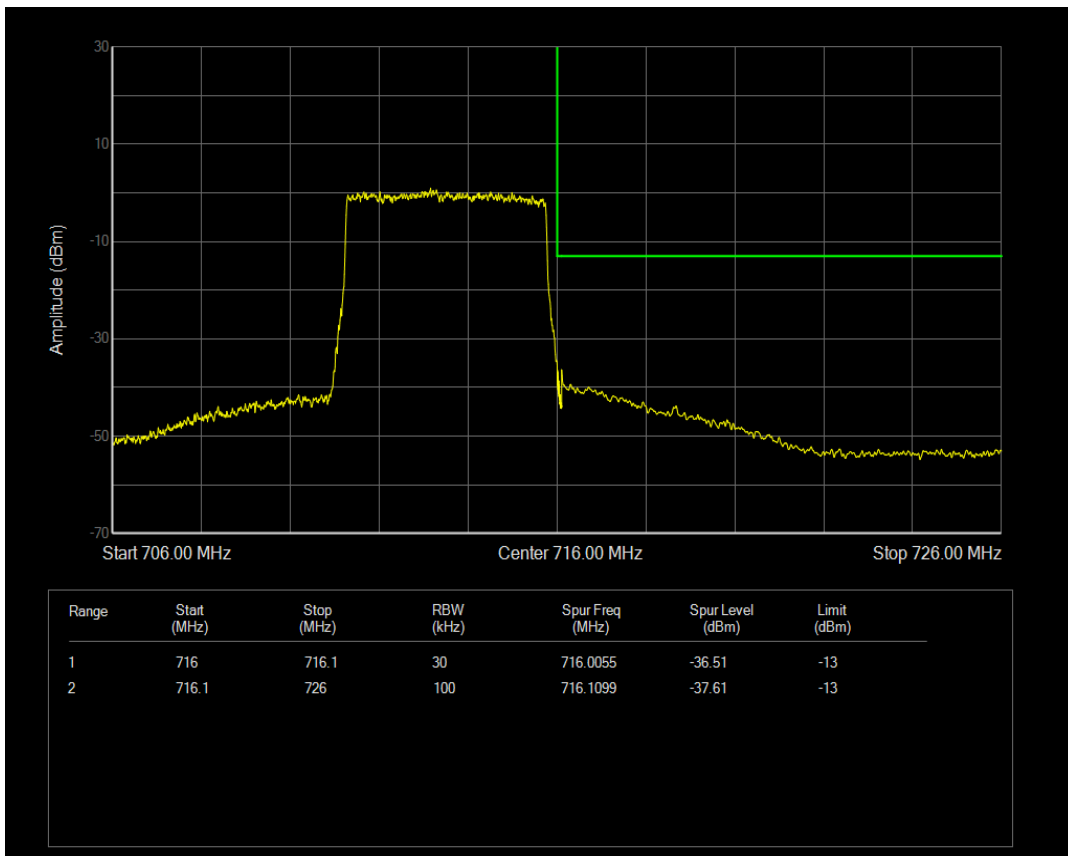
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



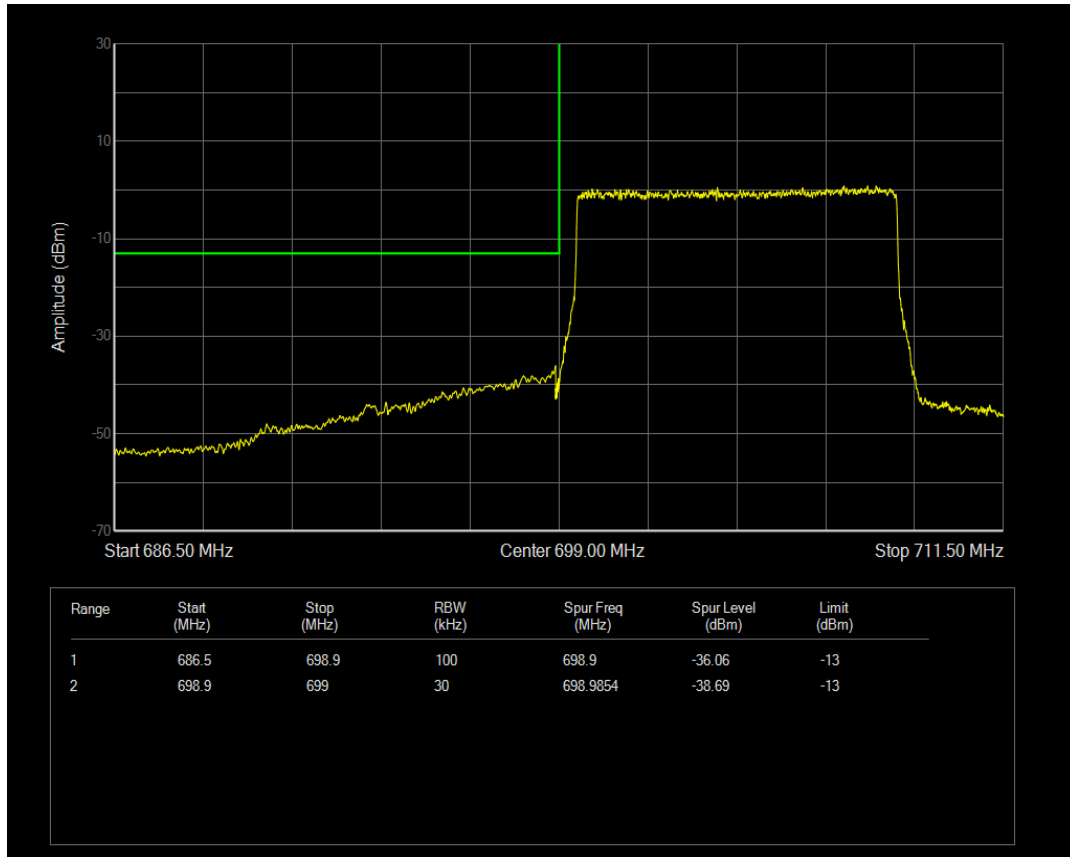
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



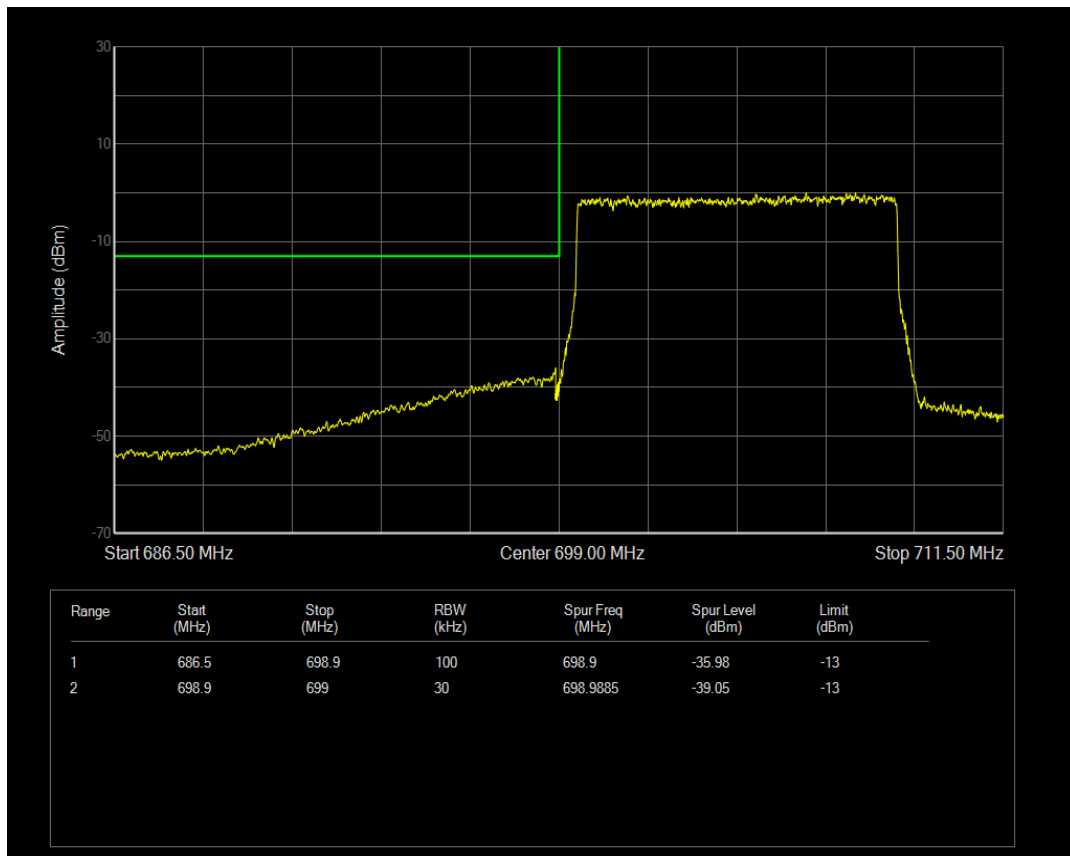
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



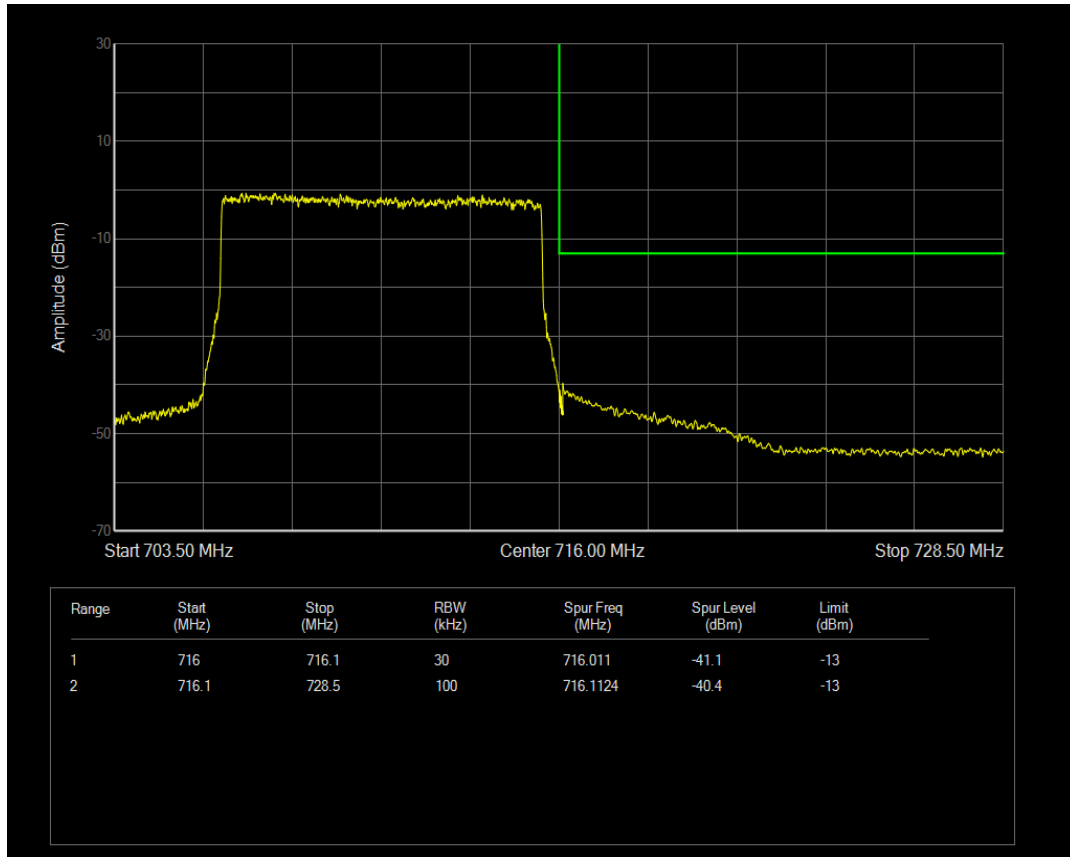
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



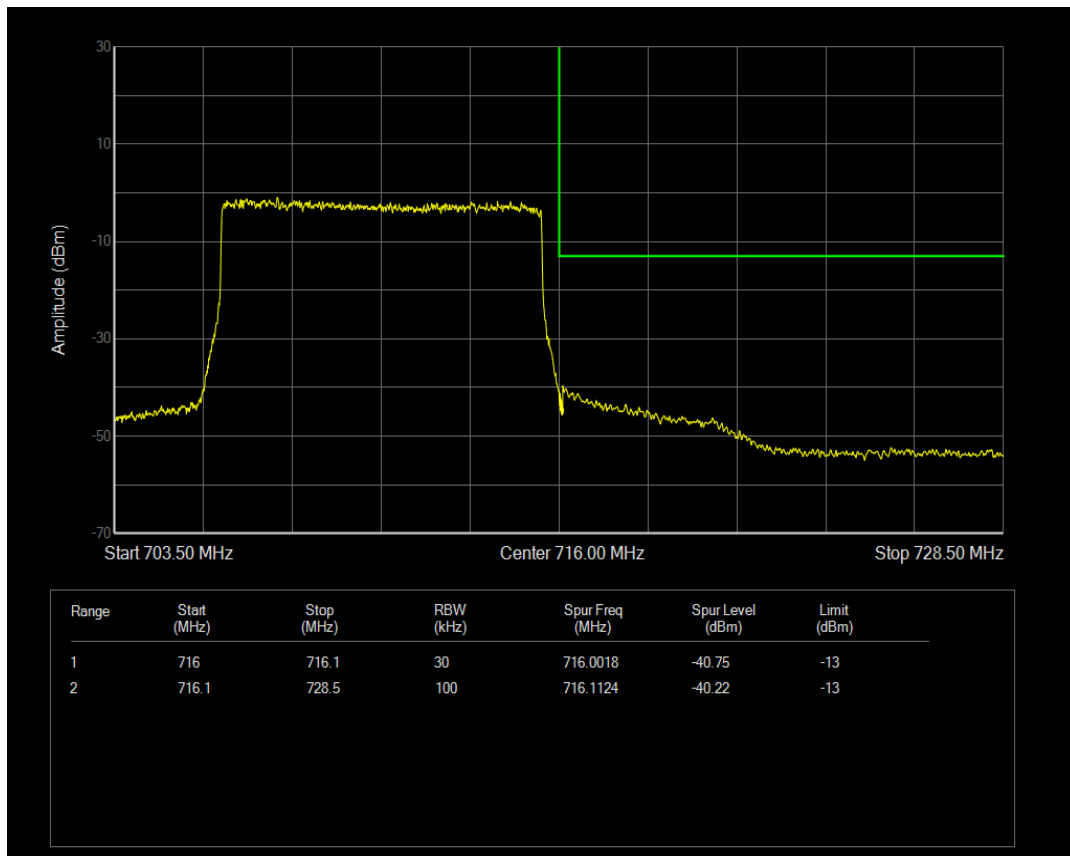
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



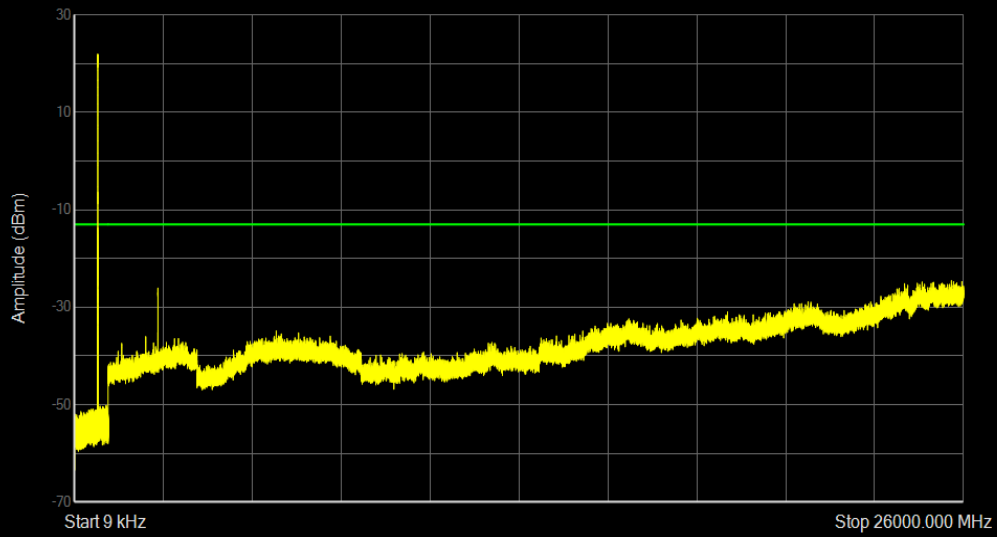
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



Appendix 6. Out-of-band emissions

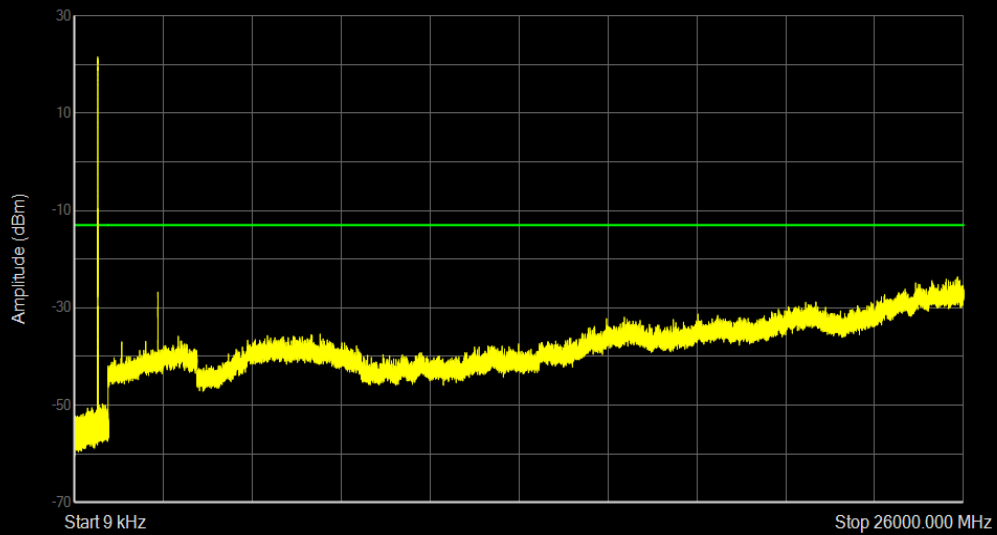
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	25645.00	-24.54	-13	PASS
Band12	1.4	23017	6	#0	16QAM	25826.25	-23.64	-13	PASS
Band12	1.4	23095	6	#0	QPSK	25833.13	-24.28	-13	PASS
Band12	1.4	23095	6	#0	16QAM	25051.25	-23.97	-13	PASS
Band12	1.4	23173	6	#0	QPSK	25126.88	-24.70	-13	PASS
Band12	1.4	23173	6	#0	16QAM	25087.50	-23.71	-13	PASS
Band12	3	23025	15	#0	QPSK	25807.50	-23.54	-13	PASS
Band12	3	23025	15	#0	16QAM	25408.75	-24.11	-13	PASS
Band12	3	23095	15	#0	QPSK	24706.25	-23.70	-13	PASS
Band12	3	23095	15	#0	16QAM	25727.50	-23.01	-13	PASS
Band12	3	23165	15	#0	QPSK	25973.13	-24.82	-13	PASS
Band12	3	23165	15	#0	16QAM	25411.88	-24.38	-13	PASS
Band12	5	23035	25	#0	QPSK	24228.75	-23.75	-13	PASS
Band12	5	23035	25	#0	16QAM	25331.88	-24.28	-13	PASS
Band12	5	23095	25	#0	QPSK	25878.13	-24.44	-13	PASS
Band12	5	23095	25	#0	16QAM	2458.75	-24.14	-13	PASS
Band12	5	23155	25	#0	QPSK	25774.38	-23.87	-13	PASS
Band12	5	23155	25	#0	16QAM	25543.75	-24.28	-13	PASS
Band12	10	23060	50	#0	QPSK	24791.88	-23.70	-13	PASS
Band12	10	23060	50	#0	16QAM	25961.25	-23.13	-13	PASS
Band12	10	23095	50	#0	QPSK	25867.50	-23.74	-13	PASS
Band12	10	23095	50	#0	16QAM	25466.25	-23.56	-13	PASS
Band12	10	23130	50	#0	QPSK	25340.00	-24.47	-13	PASS
Band12	10	23130	50	#0	16QAM	25758.13	-24.55	-13	PASS

Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



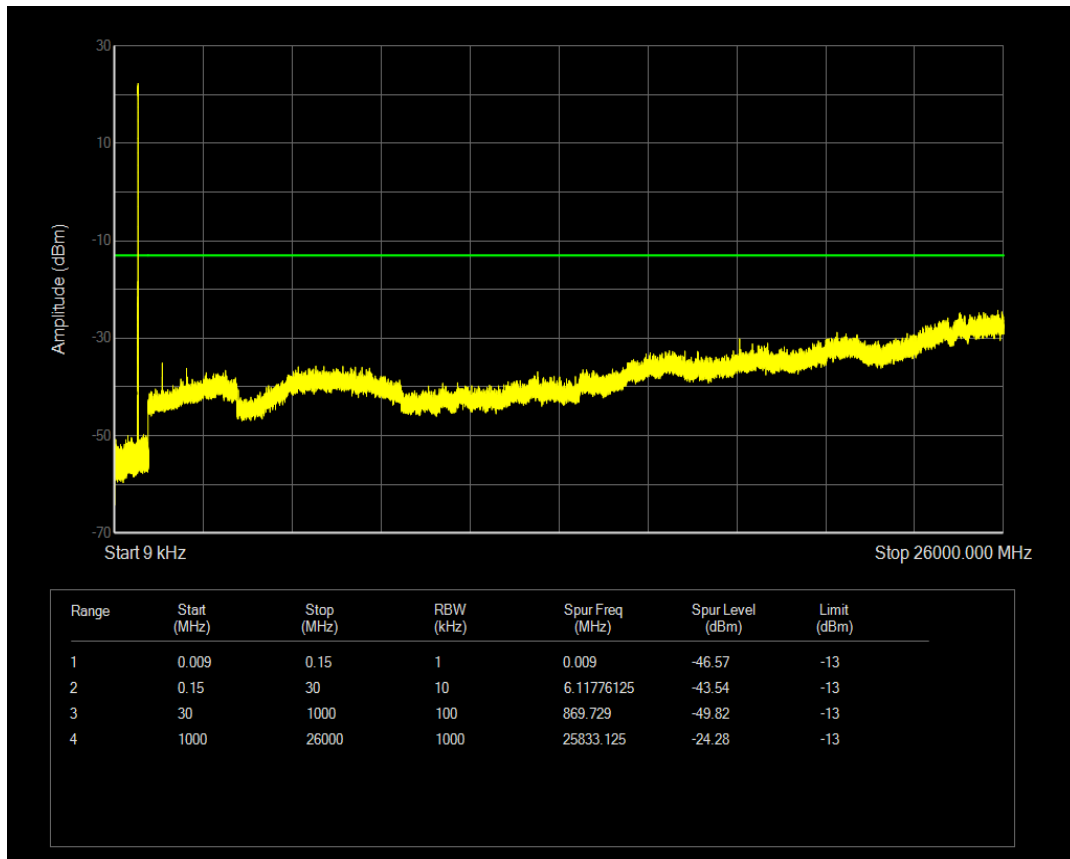
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1177392	-46.49	-13
2	0.15	30	10	6.09612	-44.87	-13
3	30	1000	100	944.4675	-50.19	-13
4	1000	26000	1000	25645	-24.54	-13

Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0

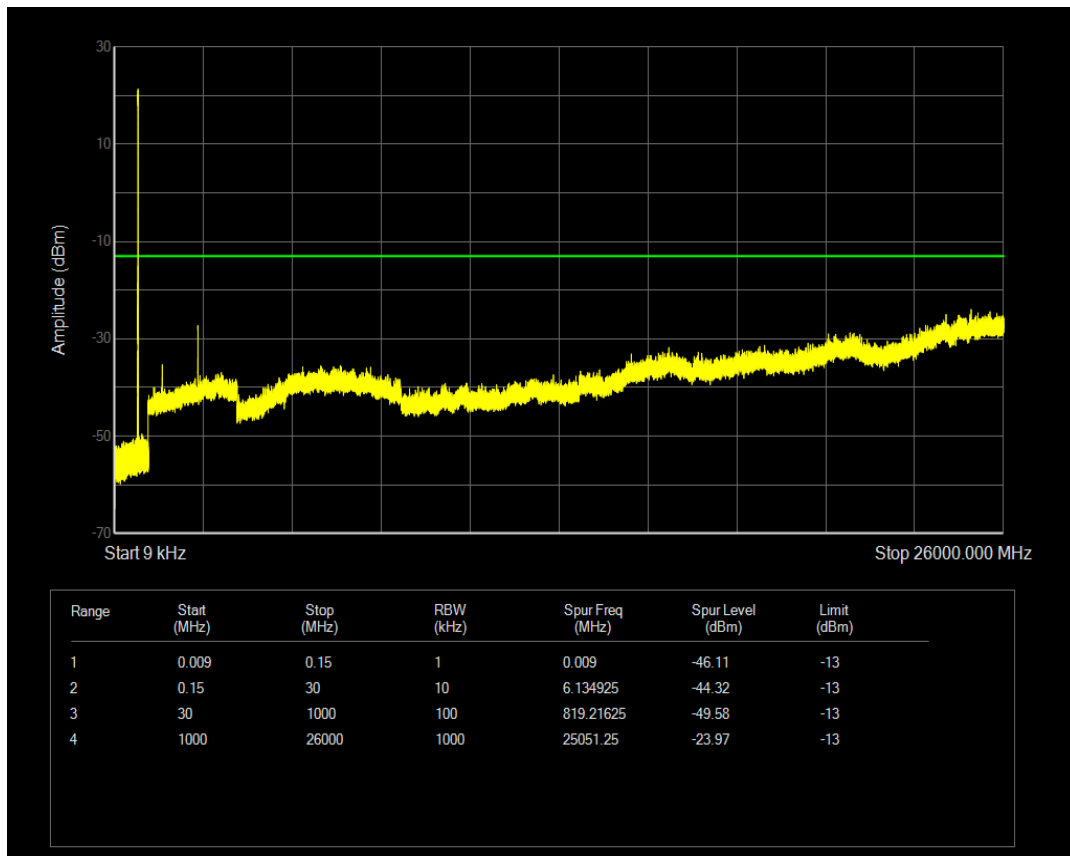


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009377175	-45.97	-13
2	0.15	30	10	6.11925375	-43.75	-13
3	30	1000	100	833.76625	-49.72	-13
4	1000	26000	1000	25826.25	-23.64	-13

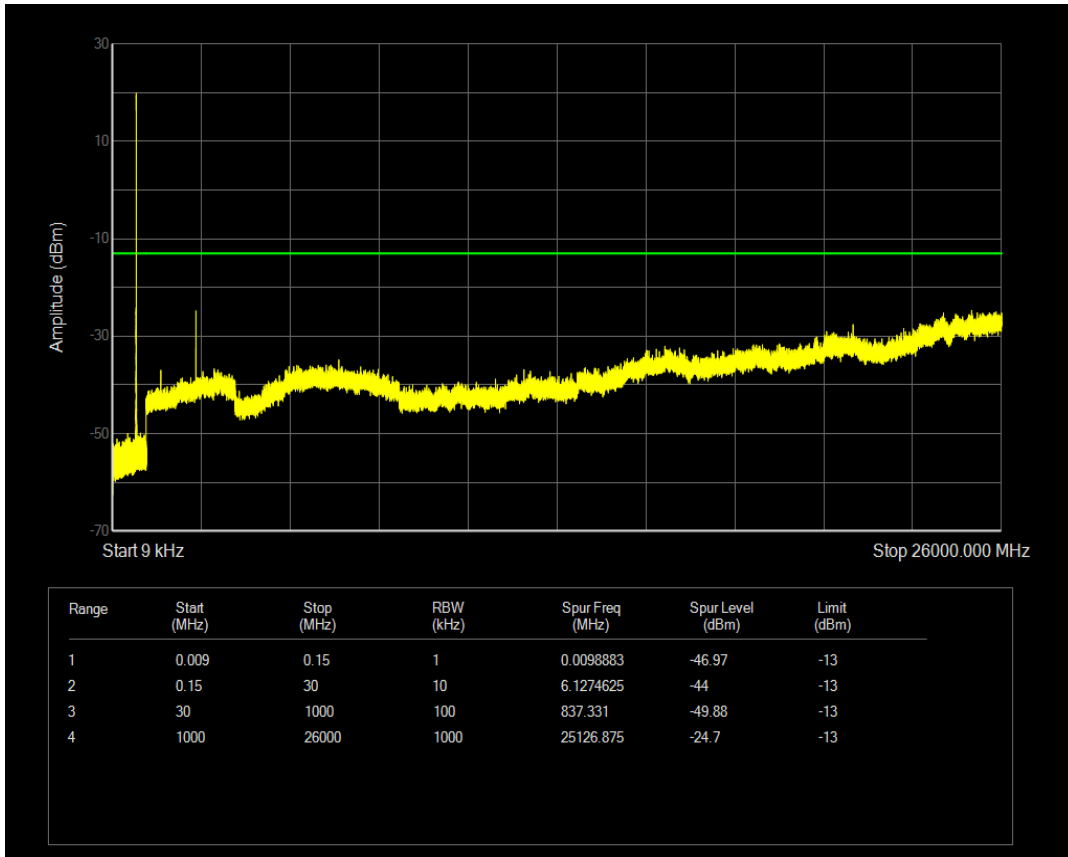
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



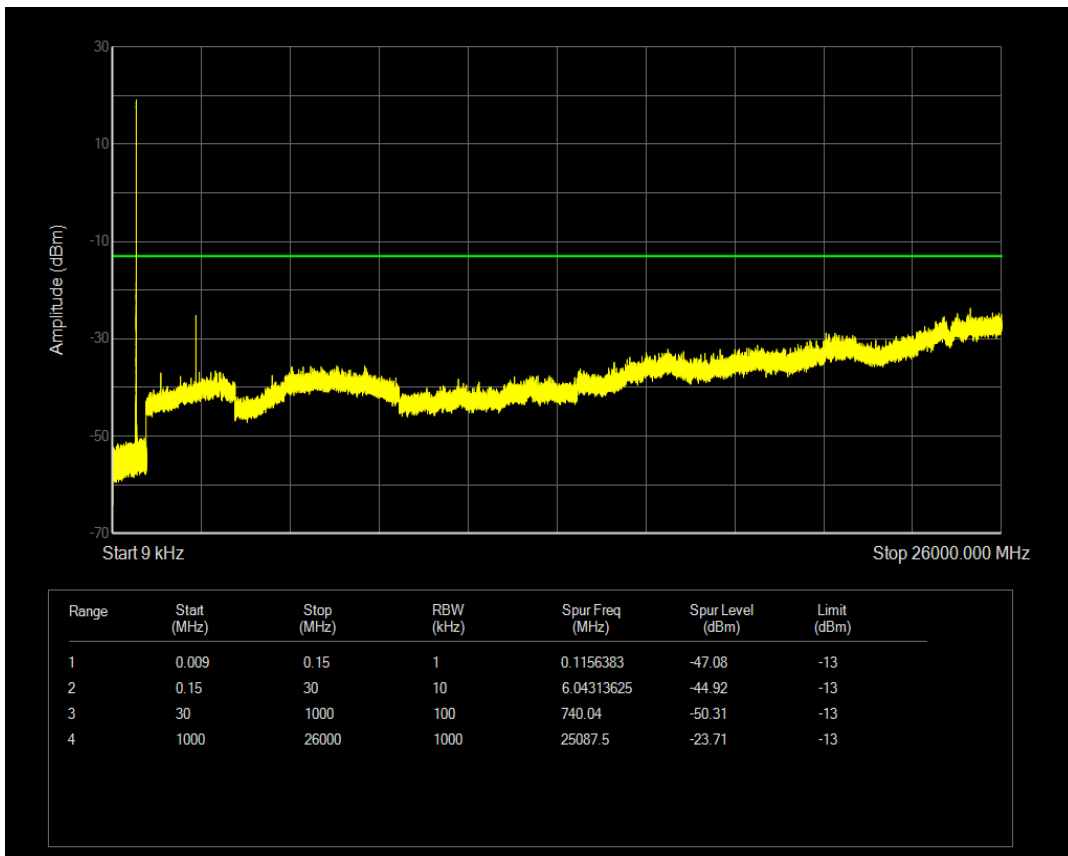
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



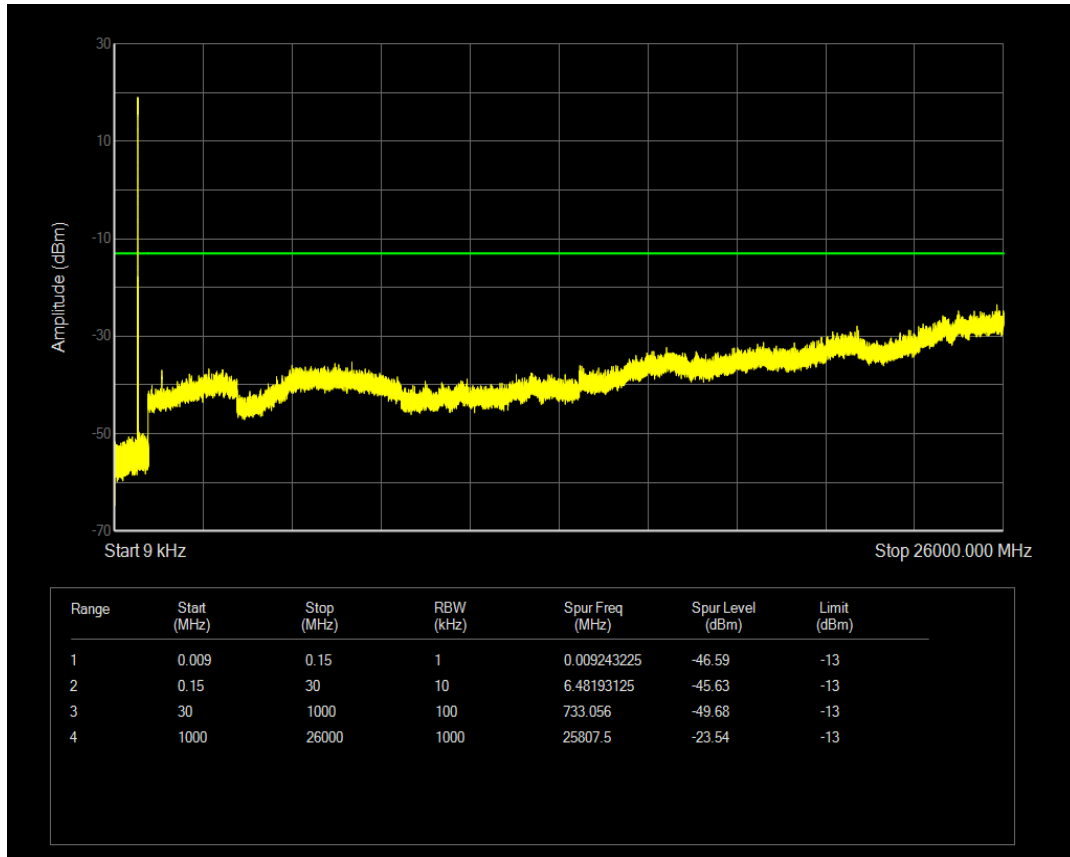
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



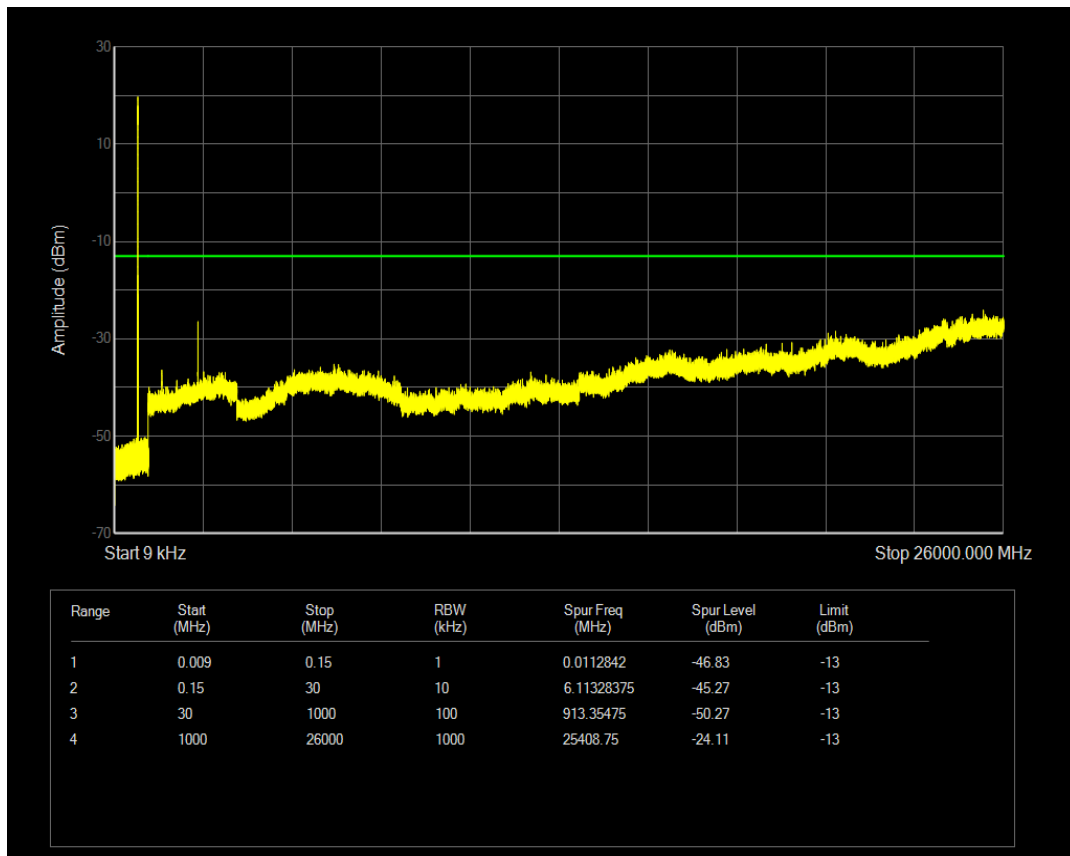
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



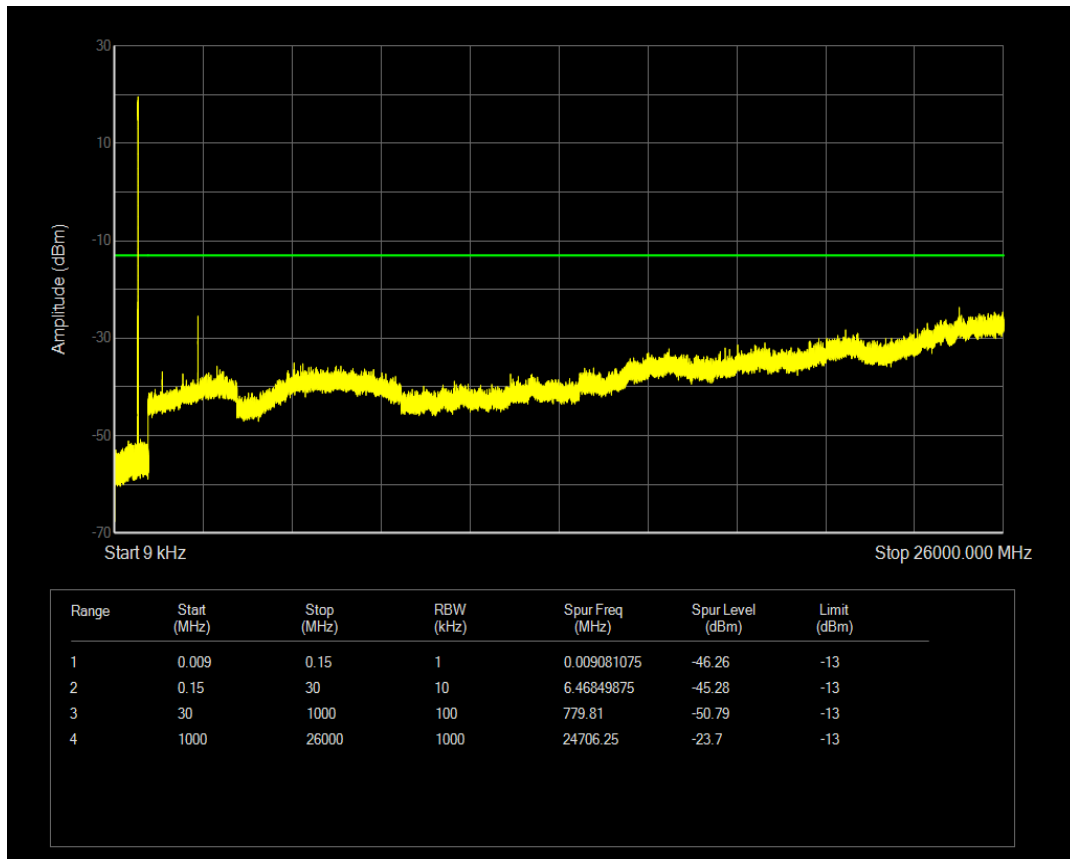
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



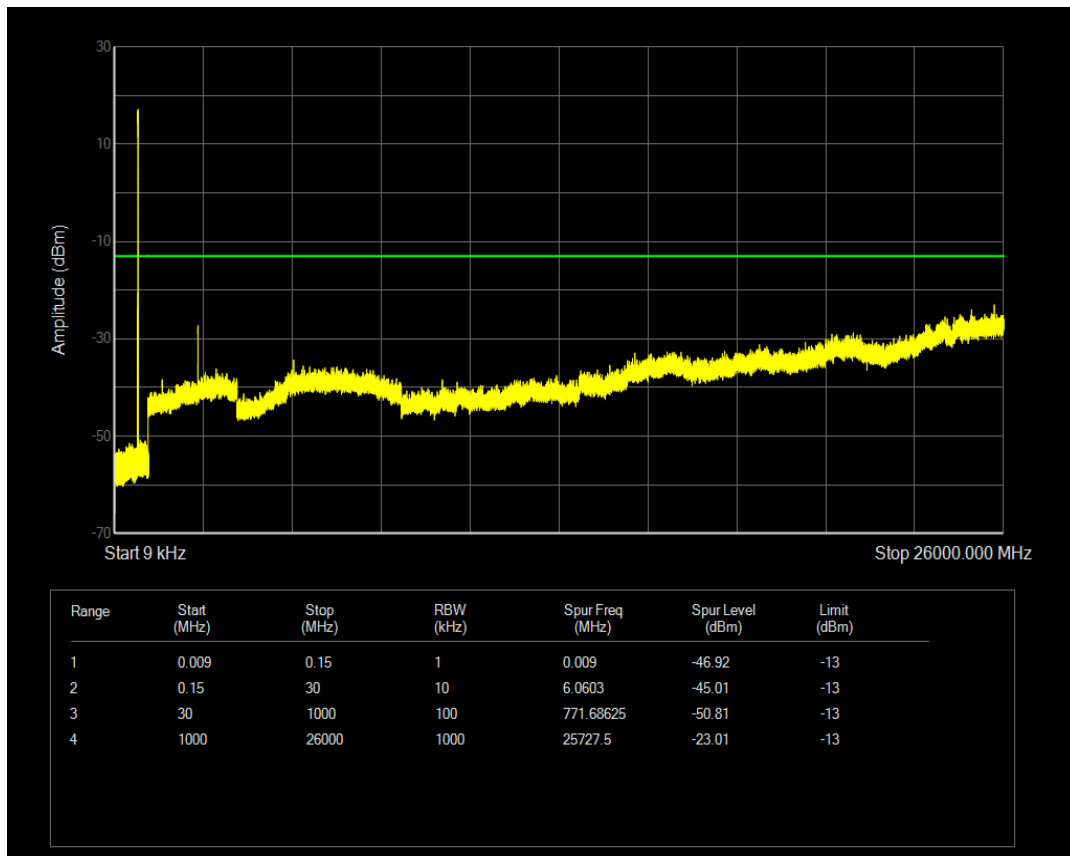
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



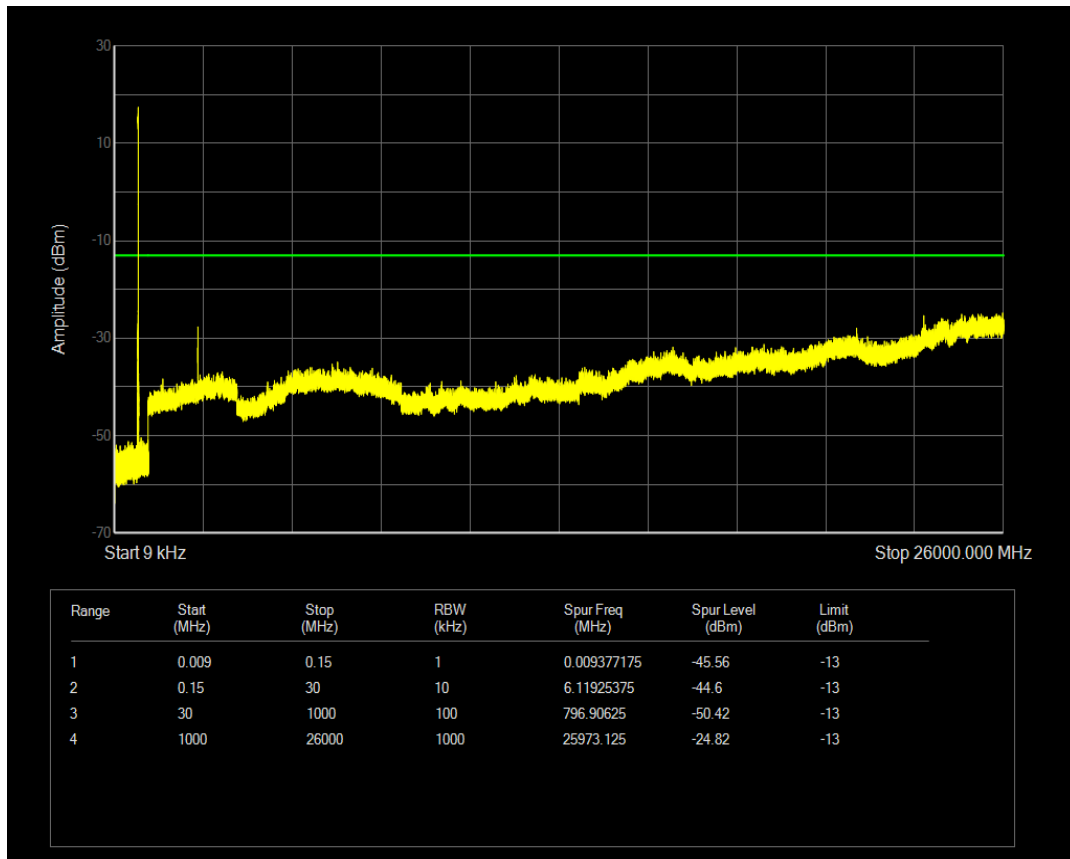
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



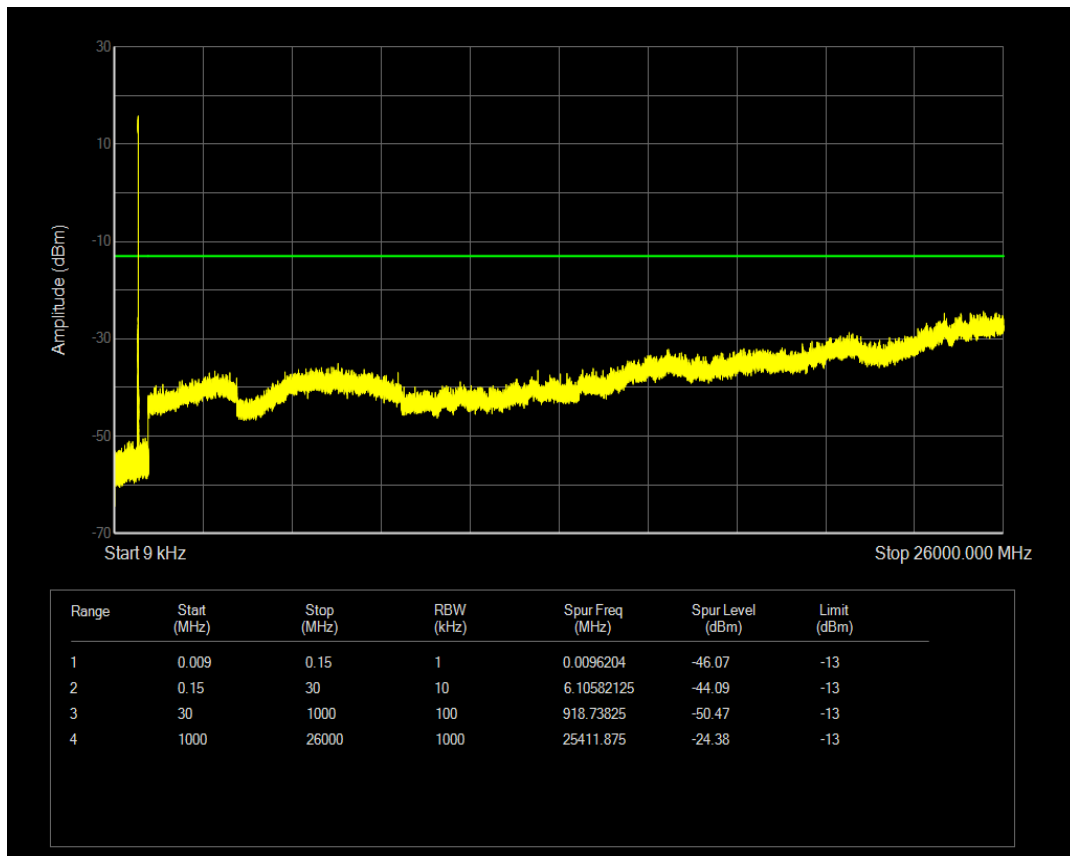
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



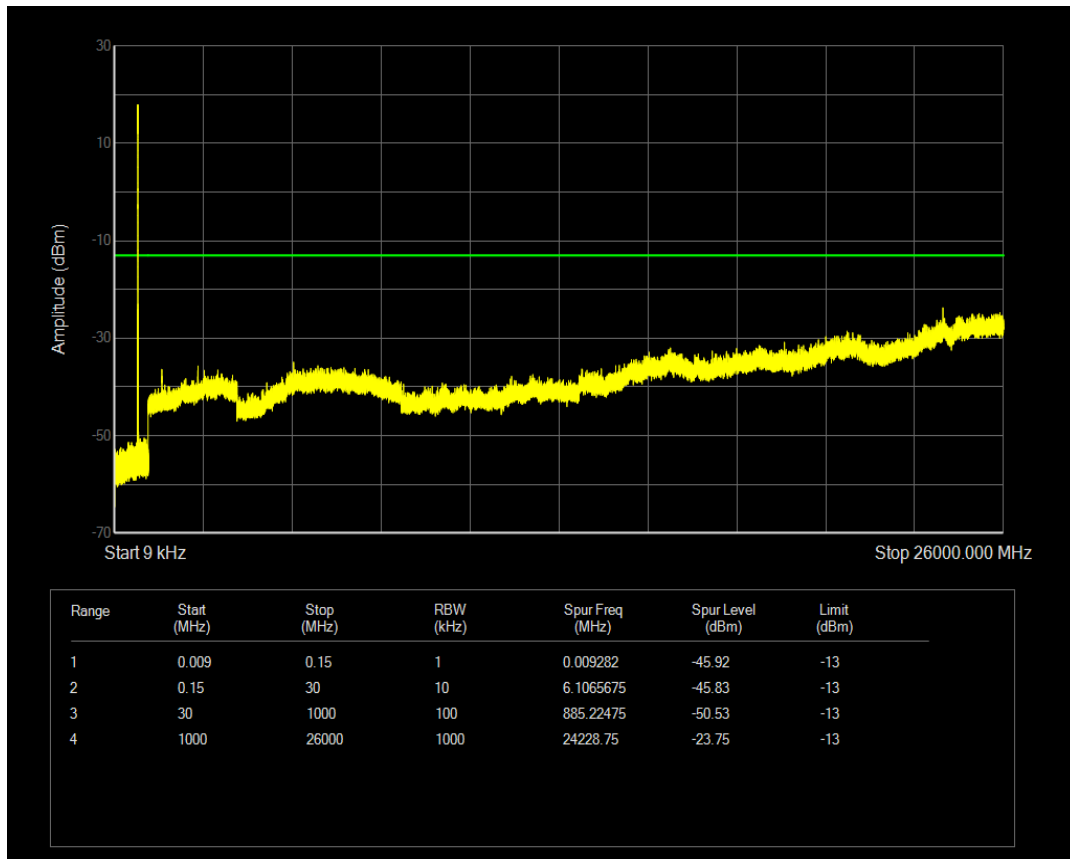
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



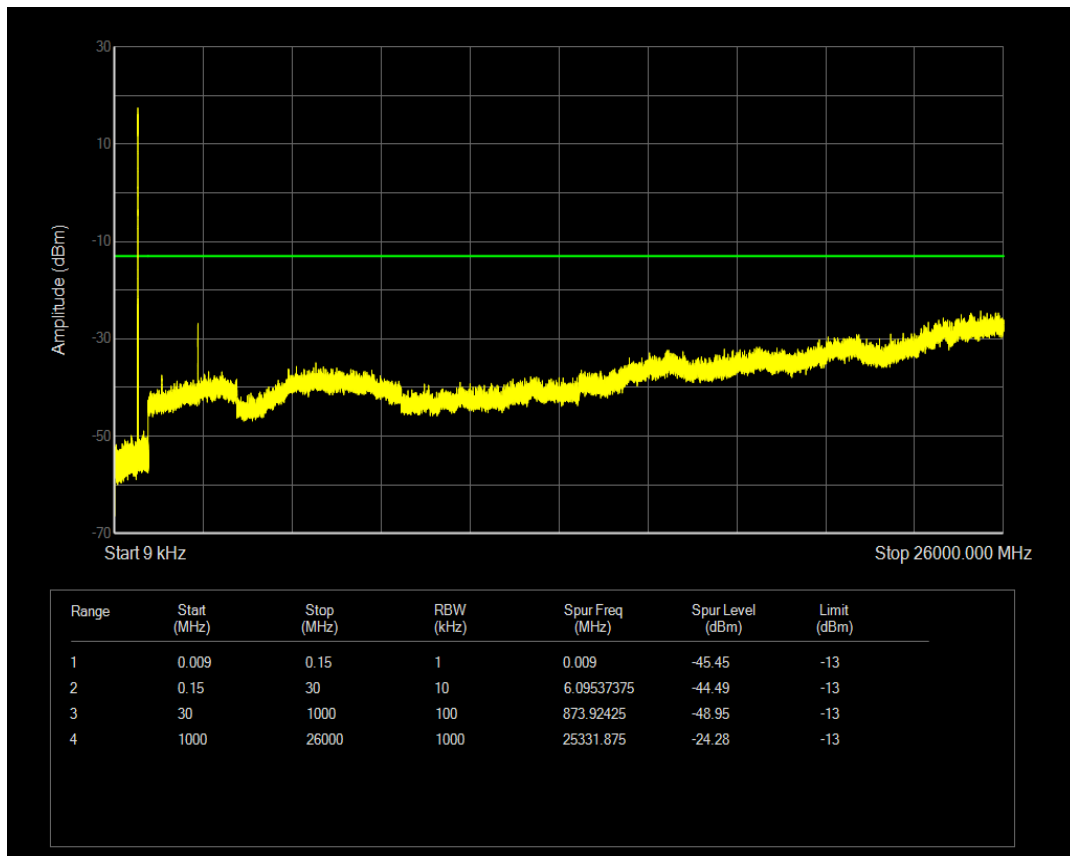
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



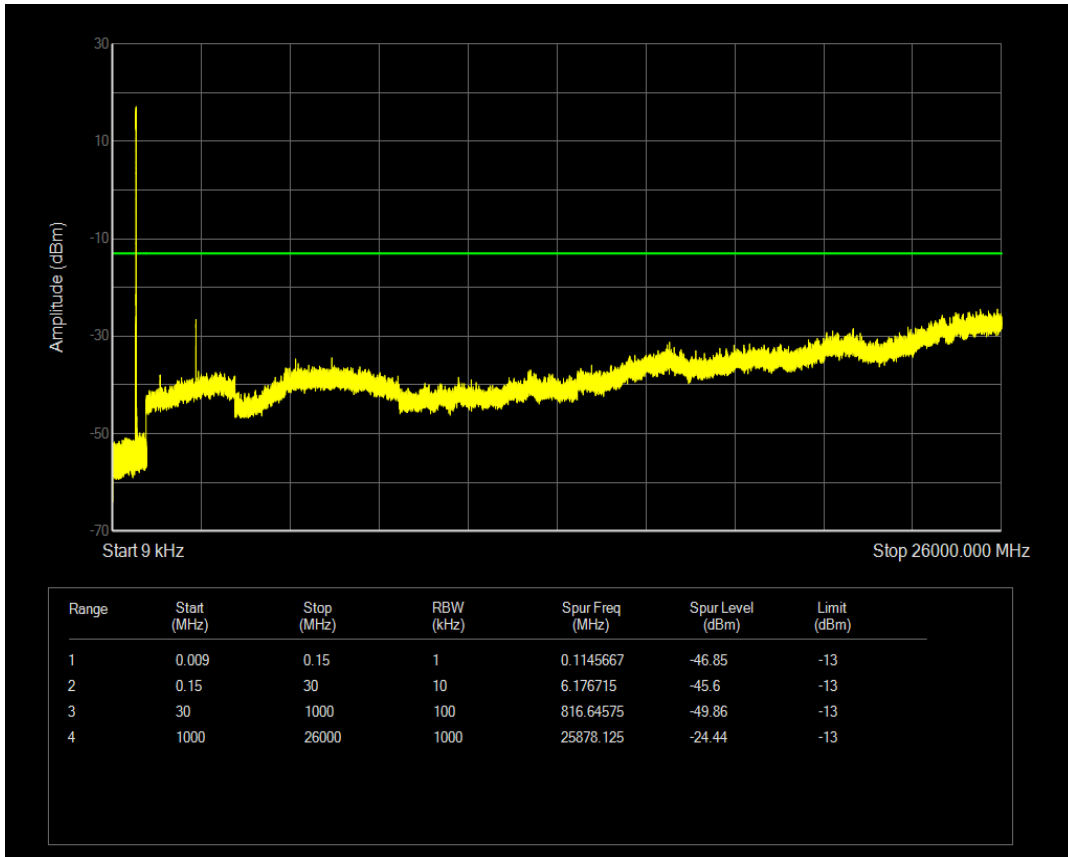
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



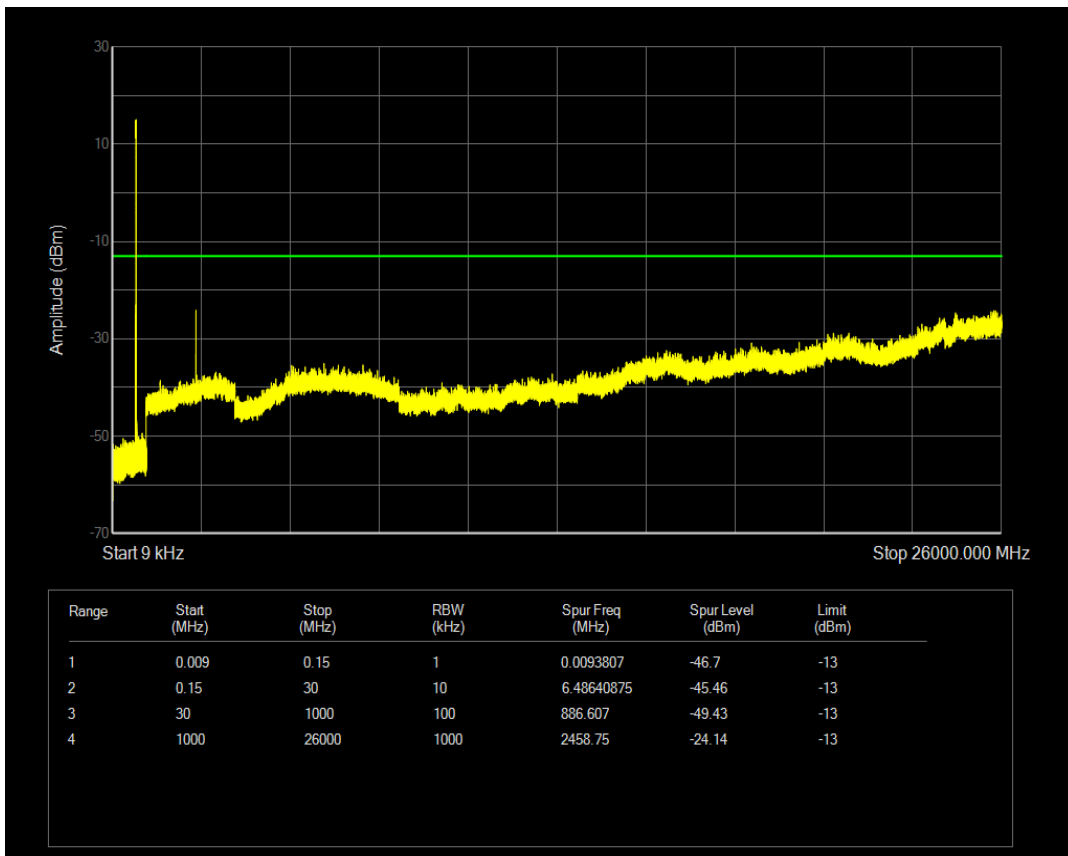
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



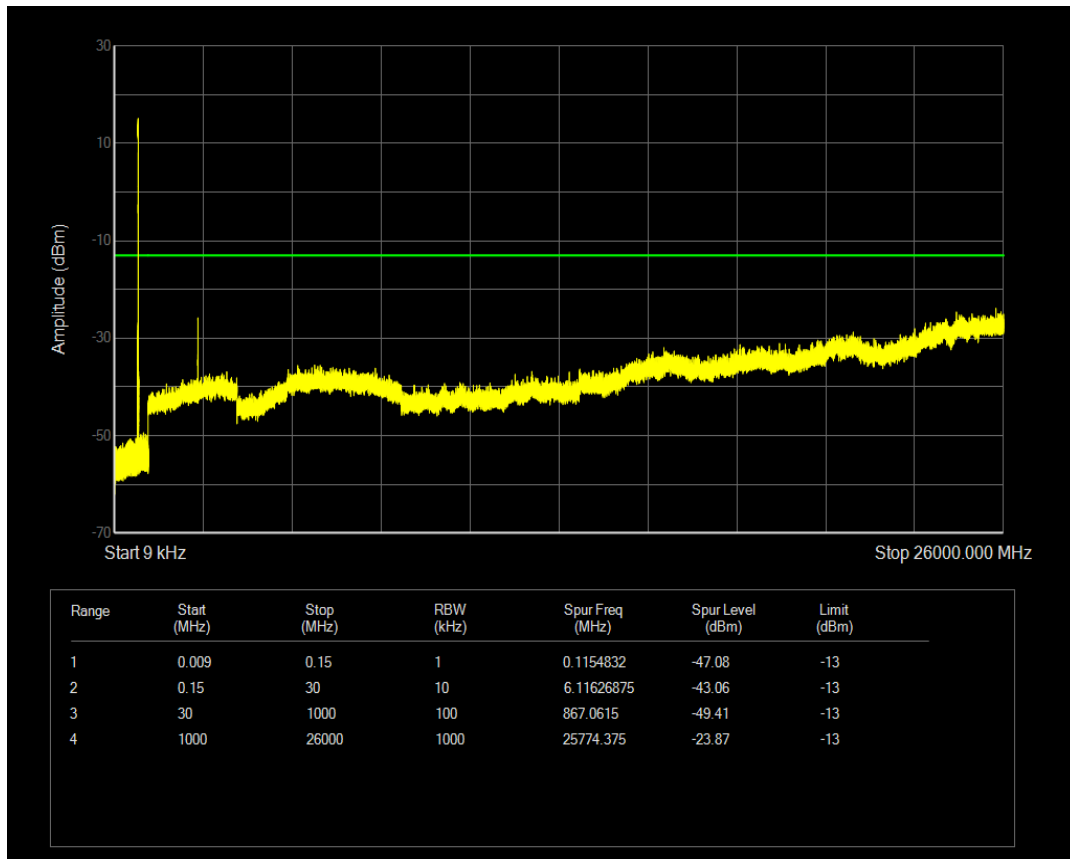
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



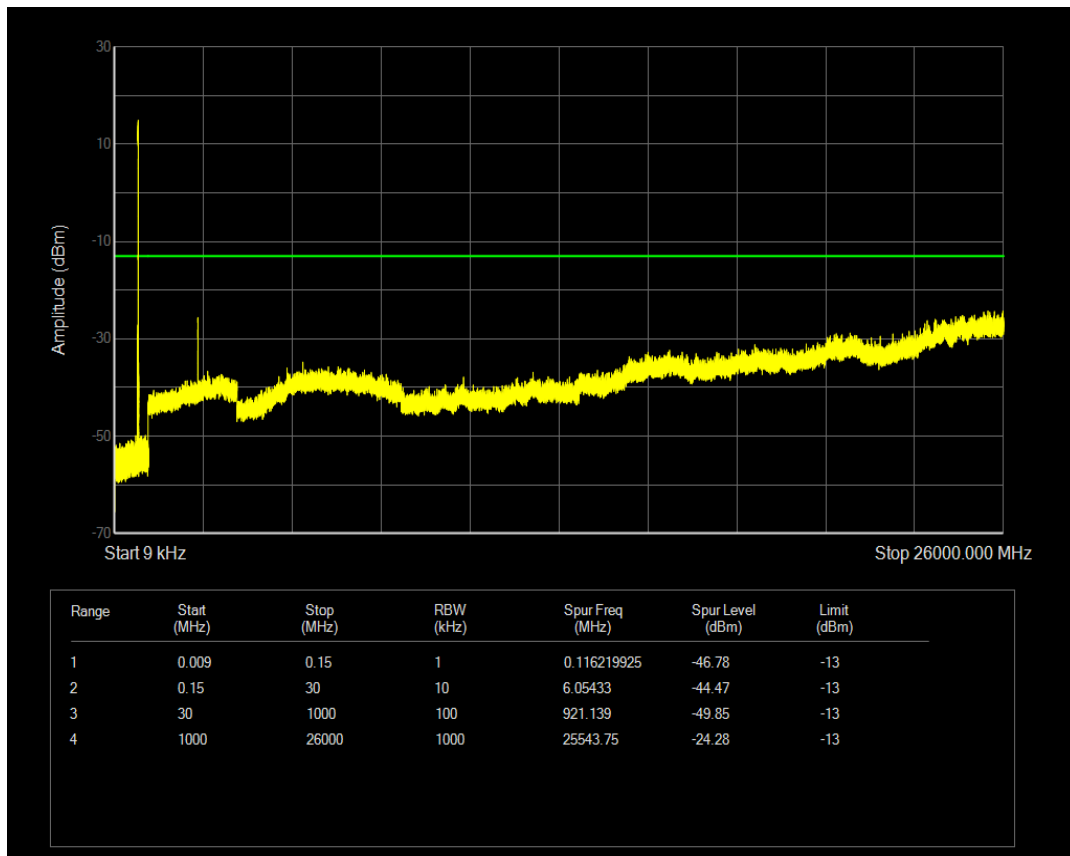
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



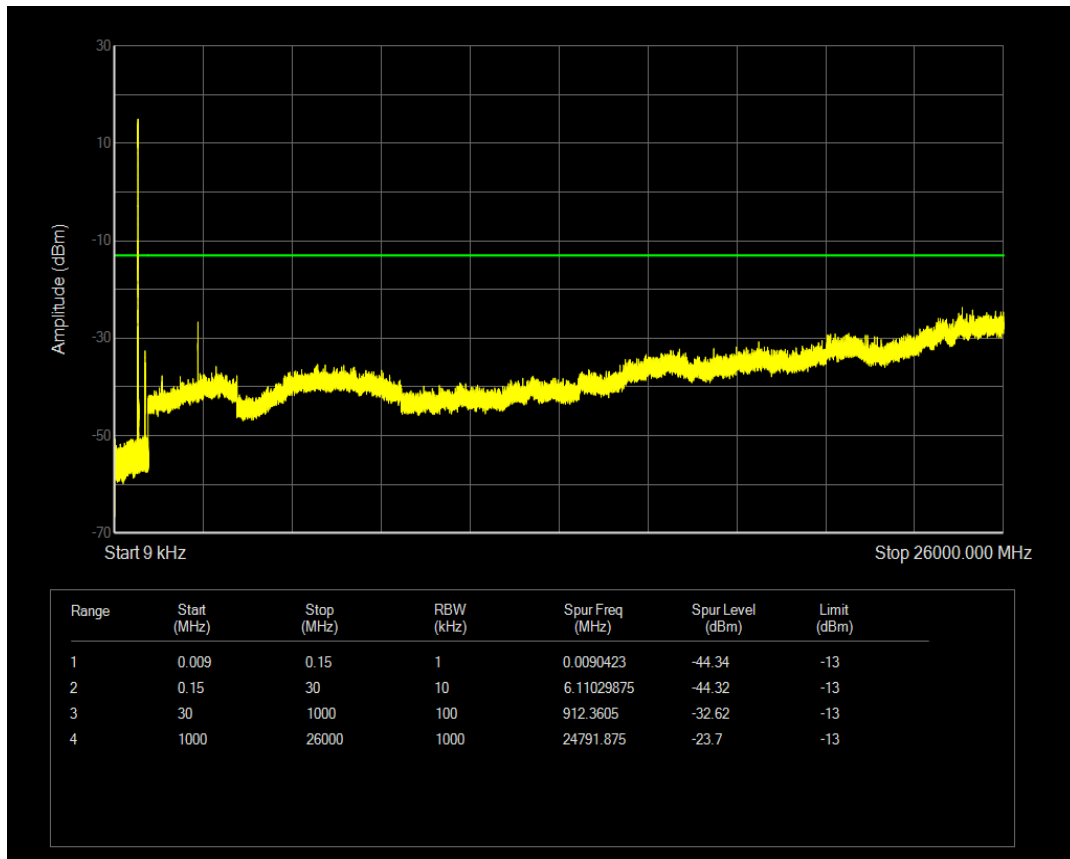
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



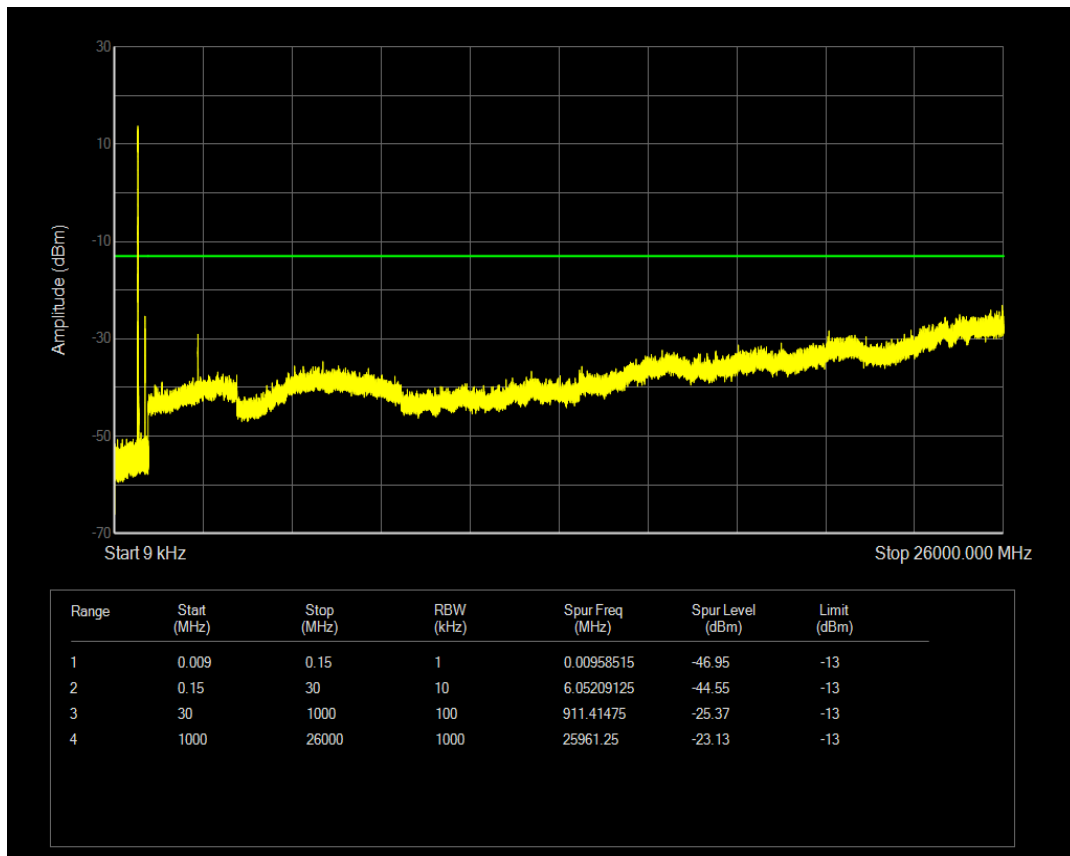
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



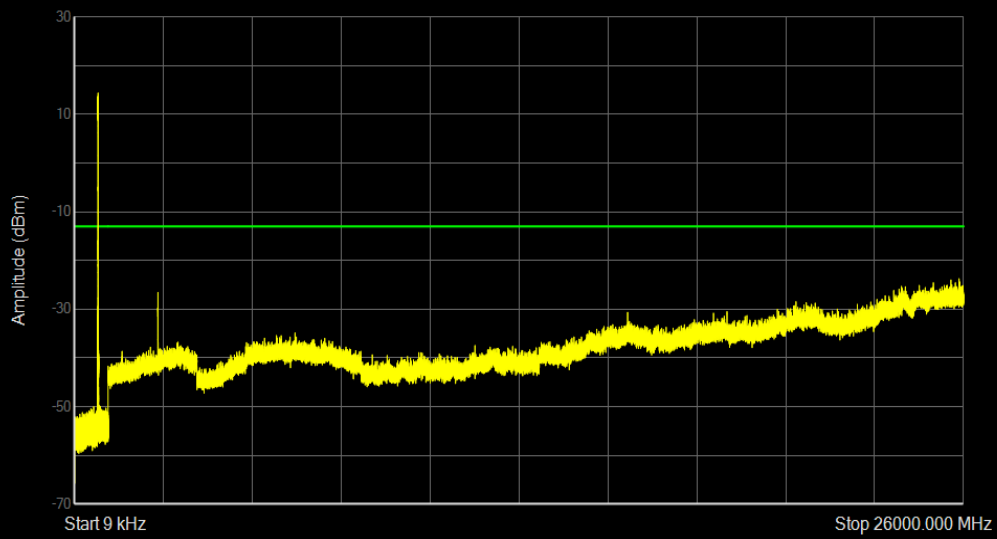
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0

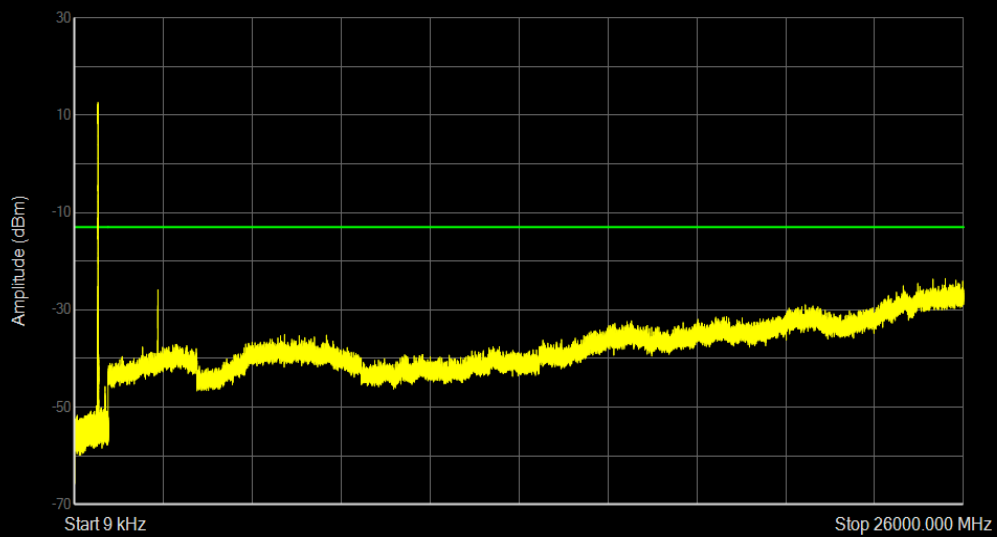


Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



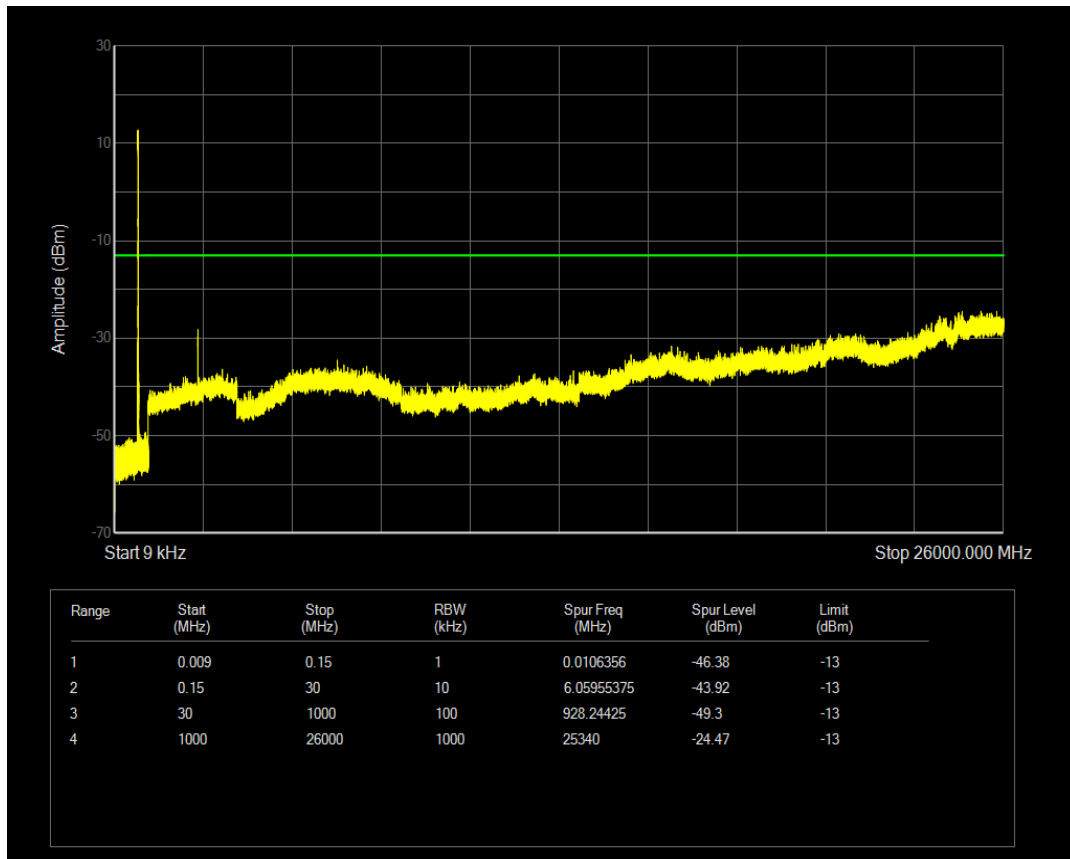
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009574575	-46.13	-13
2	0.15	30	10	6.111045	-43.65	-13
3	30	1000	100	774.572	-49.94	-13
4	1000	26000	1000	25867.5	-23.74	-13

Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009680325	-46.42	-13
2	0.15	30	10	6.09537375	-44.07	-13
3	30	1000	100	912.021	-45.76	-13
4	1000	26000	1000	25466.25	-23.56	-13

Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

