

Appendix for Band 12

Report No.: BCTC2410177766-3E

Applicant: GEM ONE NV

Product Name: Onyx V4

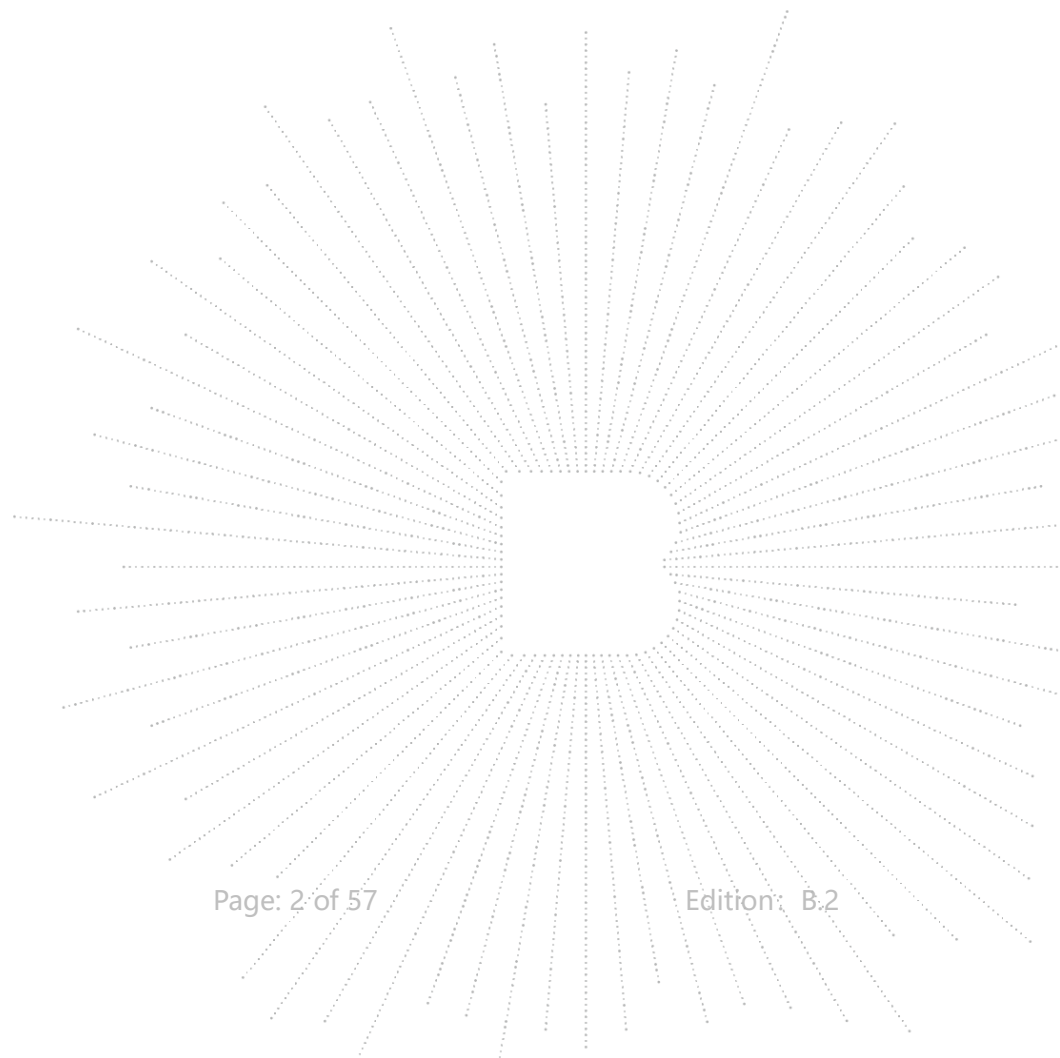
Test Model: Onyx V4

Tested Date: 2024-10-28 to 2024-11-11

Shenzhen BCTC Testing Co., Ltd.

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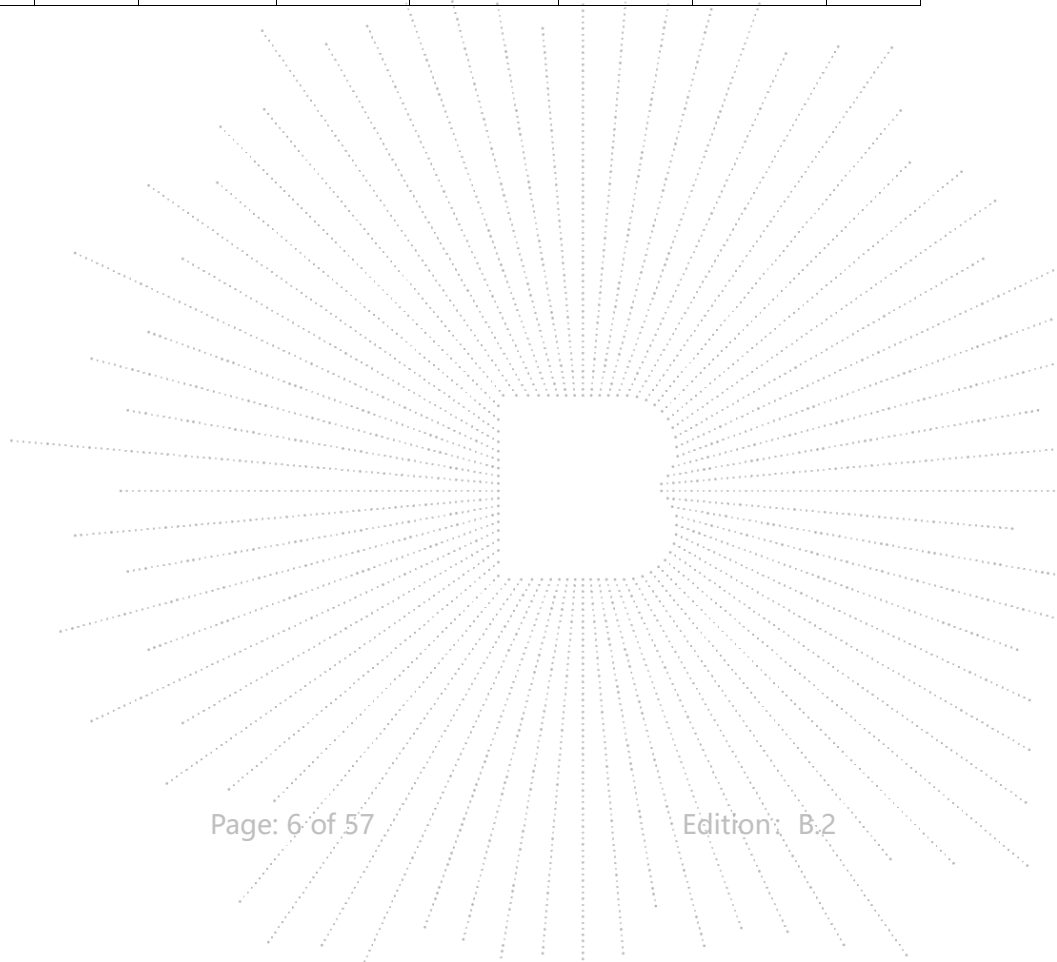
Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	22.58	-2.7	17.73	PASS
Band12	1.4	23017	1	#Mid	QPSK	22.60	-2.7	17.75	PASS
Band12	1.4	23017	1	#Max	QPSK	21.52	-2.7	16.67	PASS
Band12	1.4	23017	3	#0	QPSK	22.56	-2.7	17.71	PASS
Band12	1.4	23017	3	#Mid	QPSK	22.84	-2.7	17.99	PASS
Band12	1.4	23017	3	#Max	QPSK	21.84	-2.7	16.99	PASS
Band12	1.4	23017	6	#0	QPSK	20.79	-2.7	15.94	PASS
Band12	1.4	23017	1	#0	16QAM	21.69	-2.7	16.84	PASS
Band12	1.4	23017	1	#Mid	16QAM	21.72	-2.7	16.87	PASS
Band12	1.4	23017	1	#Max	16QAM	20.65	-2.7	15.80	PASS
Band12	1.4	23017	3	#0	16QAM	21.85	-2.7	17.00	PASS
Band12	1.4	23017	3	#Mid	16QAM	22.09	-2.7	17.24	PASS
Band12	1.4	23017	3	#Max	16QAM	21.06	-2.7	16.21	PASS
Band12	1.4	23017	6	#0	16QAM	19.99	-2.7	15.14	PASS
Band12	1.4	23095	1	#0	QPSK	23.05	-2.7	18.20	PASS
Band12	1.4	23095	1	#Mid	QPSK	23.26	-2.7	18.41	PASS
Band12	1.4	23095	1	#Max	QPSK	22.19	-2.7	17.34	PASS
Band12	1.4	23095	3	#0	QPSK	23.16	-2.7	18.31	PASS
Band12	1.4	23095	3	#Mid	QPSK	23.34	-2.7	18.49	PASS
Band12	1.4	23095	3	#Max	QPSK	22.71	-2.7	17.86	PASS
Band12	1.4	23095	6	#0	QPSK	21.73	-2.7	16.88	PASS
Band12	1.4	23095	1	#0	16QAM	22.22	-2.7	17.37	PASS
Band12	1.4	23095	1	#Mid	16QAM	22.48	-2.7	17.63	PASS
Band12	1.4	23095	1	#Max	16QAM	21.47	-2.7	16.62	PASS
Band12	1.4	23095	3	#0	16QAM	22.42	-2.7	17.57	PASS
Band12	1.4	23095	3	#Mid	16QAM	22.64	-2.7	17.79	PASS
Band12	1.4	23095	3	#Max	16QAM	22.01	-2.7	17.16	PASS
Band12	1.4	23095	6	#0	16QAM	20.96	-2.7	16.11	PASS
Band12	1.4	23173	1	#0	QPSK	22.27	-2.7	17.42	PASS
Band12	1.4	23173	1	#Mid	QPSK	22.70	-2.7	17.85	PASS
Band12	1.4	23173	1	#Max	QPSK	21.42	-2.7	16.57	PASS
Band12	1.4	23173	3	#0	QPSK	22.57	-2.7	17.72	PASS
Band12	1.4	23173	3	#Mid	QPSK	22.71	-2.7	17.86	PASS
Band12	1.4	23173	3	#Max	QPSK	21.90	-2.7	17.05	PASS
Band12	1.4	23173	6	#0	QPSK	21.15	-2.7	16.30	PASS
Band12	1.4	23173	1	#0	16QAM	21.22	-2.7	16.37	PASS

Band12	1.4	23173	1	#Mid	16QAM	21.60	-2.7	16.75	PASS
Band12	1.4	23173	1	#Max	16QAM	20.31	-2.7	15.46	PASS
Band12	1.4	23173	3	#0	16QAM	21.84	-2.7	16.99	PASS
Band12	1.4	23173	3	#Mid	16QAM	22.01	-2.7	17.16	PASS
Band12	1.4	23173	3	#Max	16QAM	21.27	-2.7	16.42	PASS
Band12	1.4	23173	6	#0	16QAM	20.41	-2.7	15.56	PASS
Band12	3	23025	1	#0	QPSK	22.56	-2.7	17.71	PASS
Band12	3	23025	1	#Mid	QPSK	22.87	-2.7	18.02	PASS
Band12	3	23025	1	#Max	QPSK	21.25	-2.7	16.40	PASS
Band12	3	23025	8	#0	QPSK	21.06	-2.7	16.21	PASS
Band12	3	23025	8	#Mid	QPSK	21.43	-2.7	16.58	PASS
Band12	3	23025	8	#Max	QPSK	21.29	-2.7	16.44	PASS
Band12	3	23025	15	#0	QPSK	21.14	-2.7	16.29	PASS
Band12	3	23025	1	#0	16QAM	22.02	-2.7	17.17	PASS
Band12	3	23025	1	#Mid	16QAM	22.36	-2.7	17.51	PASS
Band12	3	23025	1	#Max	16QAM	20.74	-2.7	15.89	PASS
Band12	3	23025	8	#0	16QAM	20.12	-2.7	15.27	PASS
Band12	3	23025	8	#Mid	16QAM	20.50	-2.7	15.65	PASS
Band12	3	23025	8	#Max	16QAM	20.34	-2.7	15.49	PASS
Band12	3	23025	15	#0	16QAM	20.22	-2.7	15.37	PASS
Band12	3	23095	1	#0	QPSK	23.13	-2.7	18.28	PASS
Band12	3	23095	1	#Mid	QPSK	23.63	-2.7	18.78	PASS
Band12	3	23095	1	#Max	QPSK	21.75	-2.7	16.90	PASS
Band12	3	23095	8	#0	QPSK	21.97	-2.7	17.12	PASS
Band12	3	23095	8	#Mid	QPSK	22.23	-2.7	17.38	PASS
Band12	3	23095	8	#Max	QPSK	21.94	-2.7	17.09	PASS
Band12	3	23095	15	#0	QPSK	21.93	-2.7	17.08	PASS
Band12	3	23095	1	#0	16QAM	22.28	-2.7	17.43	PASS
Band12	3	23095	1	#Mid	16QAM	22.87	-2.7	18.02	PASS
Band12	3	23095	1	#Max	16QAM	21.02	-2.7	16.17	PASS
Band12	3	23095	8	#0	16QAM	21.05	-2.7	16.20	PASS
Band12	3	23095	8	#Mid	16QAM	21.29	-2.7	16.44	PASS
Band12	3	23095	8	#Max	16QAM	20.96	-2.7	16.11	PASS
Band12	3	23095	15	#0	16QAM	20.96	-2.7	16.11	PASS
Band12	3	23165	1	#0	QPSK	22.51	-2.7	17.66	PASS
Band12	3	23165	1	#Mid	QPSK	23.17	-2.7	18.32	PASS
Band12	3	23165	1	#Max	QPSK	21.07	-2.7	16.22	PASS
Band12	3	23165	8	#0	QPSK	21.65	-2.7	16.80	PASS
Band12	3	23165	8	#Mid	QPSK	21.86	-2.7	17.01	PASS
Band12	3	23165	8	#Max	QPSK	21.41	-2.7	16.56	PASS
Band12	3	23165	15	#0	QPSK	21.51	-2.7	16.66	PASS
Band12	3	23165	1	#0	16QAM	21.46	-2.7	16.61	PASS
Band12	3	23165	1	#Mid	16QAM	22.08	-2.7	17.23	PASS

Band12	3	23165	1	#Max	16QAM	19.95	-2.7	15.10	PASS
Band12	3	23165	8	#0	16QAM	20.67	-2.7	15.82	PASS
Band12	3	23165	8	#Mid	16QAM	20.91	-2.7	16.06	PASS
Band12	3	23165	8	#Max	16QAM	20.51	-2.7	15.66	PASS
Band12	3	23165	15	#0	16QAM	20.66	-2.7	15.81	PASS
Band12	5	23035	1	#0	QPSK	22.38	-2.7	17.53	PASS
Band12	5	23035	1	#Mid	QPSK	22.16	-2.7	17.31	PASS
Band12	5	23035	1	#Max	QPSK	22.78	-2.7	17.93	PASS
Band12	5	23035	12	#0	QPSK	21.44	-2.7	16.59	PASS
Band12	5	23035	12	#Mid	QPSK	21.66	-2.7	16.81	PASS
Band12	5	23035	12	#Max	QPSK	21.54	-2.7	16.69	PASS
Band12	5	23035	25	#0	QPSK	21.17	-2.7	16.32	PASS
Band12	5	23035	1	#0	16QAM	21.93	-2.7	17.08	PASS
Band12	5	23035	1	#Mid	16QAM	21.73	-2.7	16.88	PASS
Band12	5	23035	1	#Max	16QAM	22.27	-2.7	17.42	PASS
Band12	5	23035	12	#0	16QAM	20.47	-2.7	15.62	PASS
Band12	5	23035	12	#Mid	16QAM	20.69	-2.7	15.84	PASS
Band12	5	23035	12	#Max	16QAM	20.59	-2.7	15.74	PASS
Band12	5	23035	25	#0	16QAM	20.23	-2.7	15.38	PASS
Band12	5	23095	1	#0	QPSK	23.08	-2.7	18.23	PASS
Band12	5	23095	1	#Mid	QPSK	22.73	-2.7	17.88	PASS
Band12	5	23095	1	#Max	QPSK	22.99	-2.7	18.14	PASS
Band12	5	23095	12	#0	QPSK	22.10	-2.7	17.25	PASS
Band12	5	23095	12	#Mid	QPSK	22.14	-2.7	17.29	PASS
Band12	5	23095	12	#Max	QPSK	22.06	-2.7	17.21	PASS
Band12	5	23095	25	#0	QPSK	21.84	-2.7	16.99	PASS
Band12	5	23095	1	#0	16QAM	22.42	-2.7	17.57	PASS
Band12	5	23095	1	#Mid	16QAM	22.12	-2.7	17.27	PASS
Band12	5	23095	1	#Max	16QAM	22.43	-2.7	17.58	PASS
Band12	5	23095	12	#0	16QAM	21.11	-2.7	16.26	PASS
Band12	5	23095	12	#Mid	16QAM	21.17	-2.7	16.32	PASS
Band12	5	23095	12	#Max	16QAM	21.09	-2.7	16.24	PASS
Band12	5	23095	25	#0	16QAM	20.91	-2.7	16.06	PASS
Band12	5	23155	1	#0	QPSK	22.60	-2.7	17.75	PASS
Band12	5	23155	1	#Mid	QPSK	22.41	-2.7	17.56	PASS
Band12	5	23155	1	#Max	QPSK	22.64	-2.7	17.79	PASS
Band12	5	23155	12	#0	QPSK	21.68	-2.7	16.83	PASS
Band12	5	23155	12	#Mid	QPSK	21.76	-2.7	16.91	PASS
Band12	5	23155	12	#Max	QPSK	21.45	-2.7	16.60	PASS
Band12	5	23155	25	#0	QPSK	21.45	-2.7	16.60	PASS
Band12	5	23155	1	#0	16QAM	22.00	-2.7	17.15	PASS
Band12	5	23155	1	#Mid	16QAM	21.82	-2.7	16.97	PASS
Band12	5	23155	1	#Max	16QAM	22.12	-2.7	17.27	PASS

Band12	5	23155	12	#0	16QAM	20.75	-2.7	15.90	PASS
Band12	5	23155	12	#Mid	16QAM	20.86	-2.7	16.01	PASS
Band12	5	23155	12	#Max	16QAM	20.52	-2.7	15.67	PASS
Band12	5	23155	25	#0	16QAM	20.47	-2.7	15.62	PASS
Band12	10	23060	1	#0	QPSK	22.45	-2.7	17.60	PASS
Band12	10	23060	1	#Mid	QPSK	22.97	-2.7	18.12	PASS
Band12	10	23060	1	#Max	QPSK	22.91	-2.7	18.06	PASS
Band12	10	23060	25	#0	QPSK	21.88	-2.7	17.03	PASS
Band12	10	23060	25	#Mid	QPSK	22.06	-2.7	17.21	PASS
Band12	10	23060	25	#Max	QPSK	22.24	-2.7	17.39	PASS
Band12	10	23060	50	#0	QPSK	21.70	-2.7	16.85	PASS
Band12	10	23095	1	#0	QPSK	23.09	-2.7	18.24	PASS
Band12	10	23095	1	#Mid	QPSK	23.16	-2.7	18.31	PASS
Band12	10	23095	1	#Max	QPSK	22.74	-2.7	17.89	PASS
Band12	10	23095	25	#0	QPSK	22.26	-2.7	17.41	PASS
Band12	10	23095	25	#Mid	QPSK	22.30	-2.7	17.45	PASS
Band12	10	23095	25	#Max	QPSK	22.25	-2.7	17.40	PASS
Band12	10	23095	50	#0	QPSK	21.95	-2.7	17.10	PASS
Band12	10	23130	1	#0	QPSK	22.96	-2.7	18.11	PASS
Band12	10	23130	1	#Mid	QPSK	22.83	-2.7	17.98	PASS
Band12	10	23130	1	#Max	QPSK	22.65	-2.7	17.80	PASS
Band12	10	23130	25	#0	QPSK	22.25	-2.7	17.40	PASS
Band12	10	23130	25	#Mid	QPSK	22.21	-2.7	17.36	PASS
Band12	10	23130	25	#Max	QPSK	21.79	-2.7	16.94	PASS
Band12	10	23130	50	#0	QPSK	21.84	-2.7	16.99	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	-6.49	-0.009	PASS
Band12	1.4	23017	6	#0	QPSK	NV	NT	-0.31	0.000	PASS
Band12	1.4	23017	6	#0	QPSK	HV	NT	0.99	0.001	PASS
Band12	1.4	23017	6	#0	16QAM	LV	NT	-0.69	-0.001	PASS
Band12	1.4	23017	6	#0	16QAM	NV	NT	-0.79	-0.001	PASS
Band12	1.4	23017	6	#0	16QAM	HV	NT	0.50	0.001	PASS
Band12	1.4	23095	6	#0	QPSK	LV	NT	-6.75	-0.010	PASS
Band12	1.4	23095	6	#0	QPSK	NV	NT	-4.25	-0.006	PASS
Band12	1.4	23095	6	#0	QPSK	HV	NT	-1.13	-0.002	PASS
Band12	1.4	23095	6	#0	16QAM	LV	NT	-0.64	-0.001	PASS
Band12	1.4	23095	6	#0	16QAM	NV	NT	-1.17	-0.002	PASS
Band12	1.4	23095	6	#0	16QAM	HV	NT	-0.97	-0.001	PASS
Band12	1.4	23173	6	#0	QPSK	LV	NT	-6.14	-0.009	PASS
Band12	1.4	23173	6	#0	QPSK	NV	NT	-4.01	-0.006	PASS
Band12	1.4	23173	6	#0	QPSK	HV	NT	-1.54	-0.002	PASS
Band12	1.4	23173	6	#0	16QAM	LV	NT	-2.63	-0.004	PASS
Band12	1.4	23173	6	#0	16QAM	NV	NT	-3.03	-0.004	PASS
Band12	1.4	23173	6	#0	16QAM	HV	NT	-2.47	-0.003	PASS
Band12	3	23025	15	#0	QPSK	LV	NT	-6.08	-0.009	PASS
Band12	3	23025	15	#0	QPSK	NV	NT	-3.45	-0.005	PASS
Band12	3	23025	15	#0	QPSK	HV	NT	-0.51	-0.001	PASS
Band12	3	23025	15	#0	16QAM	LV	NT	-0.53	-0.001	PASS
Band12	3	23025	15	#0	16QAM	NV	NT	-0.31	0.000	PASS
Band12	3	23025	15	#0	16QAM	HV	NT	-0.20	0.000	PASS
Band12	3	23095	15	#0	QPSK	LV	NT	-5.78	-0.008	PASS
Band12	3	23095	15	#0	QPSK	NV	NT	-3.98	-0.006	PASS
Band12	3	23095	15	#0	QPSK	HV	NT	-1.49	-0.002	PASS
Band12	3	23095	15	#0	16QAM	LV	NT	-2.33	-0.003	PASS
Band12	3	23095	15	#0	16QAM	NV	NT	-2.10	-0.003	PASS
Band12	3	23095	15	#0	16QAM	HV	NT	-1.75	-0.002	PASS
Band12	3	23165	15	#0	QPSK	LV	NT	-2.15	-0.003	PASS
Band12	3	23165	15	#0	QPSK	NV	NT	-5.88	-0.008	PASS
Band12	3	23165	15	#0	QPSK	HV	NT	-4.32	-0.006	PASS
Band12	3	23165	15	#0	16QAM	LV	NT	-1.47	-0.002	PASS
Band12	3	23165	15	#0	16QAM	NV	NT	-1.36	-0.002	PASS
Band12	3	23165	15	#0	16QAM	HV	NT	-2.30	-0.003	PASS
Band12	5	23035	25	#0	QPSK	LV	NT	-6.94	-0.010	PASS
Band12	5	23035	25	#0	QPSK	NV	NT	-0.87	-0.001	PASS

Band12	5	23035	25	#0	QPSK	HV	NT	-1.33	-0.002	PASS
Band12	5	23035	25	#0	16QAM	LV	NT	-0.57	-0.001	PASS
Band12	5	23035	25	#0	16QAM	NV	NT	-0.92	-0.001	PASS
Band12	5	23035	25	#0	16QAM	HV	NT	-1.12	-0.002	PASS
Band12	5	23095	25	#0	QPSK	LV	NT	-7.00	-0.010	PASS
Band12	5	23095	25	#0	QPSK	NV	NT	-5.35	-0.008	PASS
Band12	5	23095	25	#0	QPSK	HV	NT	-0.26	0.000	PASS
Band12	5	23095	25	#0	16QAM	LV	NT	-1.10	-0.002	PASS
Band12	5	23095	25	#0	16QAM	NV	NT	-1.14	-0.002	PASS
Band12	5	23095	25	#0	16QAM	HV	NT	-1.04	-0.001	PASS
Band12	5	23155	25	#0	QPSK	LV	NT	-7.90	-0.011	PASS
Band12	5	23155	25	#0	QPSK	NV	NT	-5.46	-0.008	PASS
Band12	5	23155	25	#0	QPSK	HV	NT	-1.75	-0.002	PASS
Band12	5	23155	25	#0	16QAM	LV	NT	-1.89	-0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	NT	-2.22	-0.003	PASS
Band12	5	23155	25	#0	16QAM	HV	NT	-1.75	-0.002	PASS
Band12	10	23060	50	#0	QPSK	LV	NT	-7.67	-0.011	PASS
Band12	10	23060	50	#0	QPSK	NV	NT	-0.39	-0.001	PASS
Band12	10	23060	50	#0	QPSK	HV	NT	-0.82	-0.001	PASS
Band12	10	23095	50	#0	QPSK	LV	NT	-1.87	-0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	NT	-1.07	-0.002	PASS
Band12	10	23095	50	#0	QPSK	HV	NT	-1.72	-0.002	PASS
Band12	10	23130	50	#0	QPSK	LV	NT	-5.02	-0.007	PASS
Band12	10	23130	50	#0	QPSK	NV	NT	-3.13	-0.004	PASS
Band12	10	23130	50	#0	QPSK	HV	NT	-1.57	-0.002	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	-5.85	-0.008	PASS
Band12	1.4	23017	6	#0	QPSK	NV	-20	-0.99	-0.001	PASS
Band12	1.4	23017	6	#0	QPSK	NV	-10	0.74	0.001	PASS
Band12	1.4	23017	6	#0	QPSK	NV	0	-0.07	0.000	PASS
Band12	1.4	23017	6	#0	QPSK	NV	10	-0.17	0.000	PASS
Band12	1.4	23017	6	#0	QPSK	NV	20	-0.14	0.000	PASS
Band12	1.4	23017	6	#0	QPSK	NV	30	-0.96	-0.001	PASS
Band12	1.4	23017	6	#0	QPSK	NV	40	-0.43	-0.001	PASS
Band12	1.4	23017	6	#0	QPSK	NV	50	0.16	0.000	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-30	-1.17	-0.002	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-20	-0.59	-0.001	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-10	-1.56	-0.002	PASS
Band12	1.4	23017	6	#0	16QAM	NV	0	-2.53	-0.004	PASS
Band12	1.4	23017	6	#0	16QAM	NV	10	-1.60	-0.002	PASS
Band12	1.4	23017	6	#0	16QAM	NV	20	-2.65	-0.004	PASS

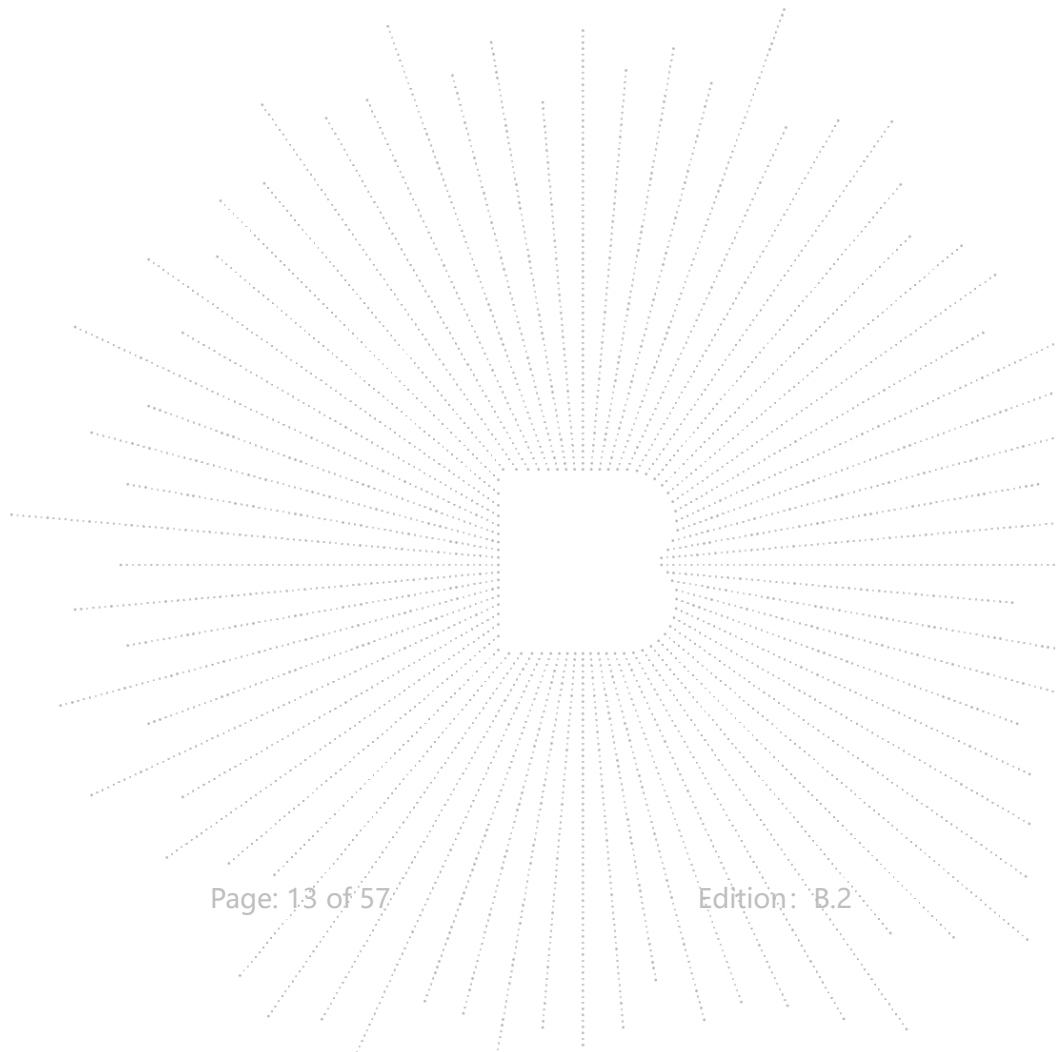
Band12	1.4	23017	6	#0	16QAM	NV	30	-1.57	-0.002	PASS
Band12	1.4	23017	6	#0	16QAM	NV	40	-1.85	-0.003	PASS
Band12	1.4	23017	6	#0	16QAM	NV	50	-1.13	-0.002	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-30	-7.58	-0.011	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-20	-5.06	-0.007	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-10	-2.15	-0.003	PASS
Band12	1.4	23095	6	#0	QPSK	NV	0	-0.97	-0.001	PASS
Band12	1.4	23095	6	#0	QPSK	NV	10	-2.92	-0.004	PASS
Band12	1.4	23095	6	#0	QPSK	NV	20	-1.30	-0.002	PASS
Band12	1.4	23095	6	#0	QPSK	NV	30	-1.34	-0.002	PASS
Band12	1.4	23095	6	#0	QPSK	NV	40	-1.37	-0.002	PASS
Band12	1.4	23095	6	#0	QPSK	NV	50	-1.66	-0.002	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-30	-2.60	-0.004	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-20	-2.36	-0.003	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-10	-3.29	-0.005	PASS
Band12	1.4	23095	6	#0	16QAM	NV	0	-4.13	-0.006	PASS
Band12	1.4	23095	6	#0	16QAM	NV	10	-4.72	-0.007	PASS
Band12	1.4	23095	6	#0	16QAM	NV	20	-5.89	-0.008	PASS
Band12	1.4	23095	6	#0	16QAM	NV	30	-4.55	-0.006	PASS
Band12	1.4	23095	6	#0	16QAM	NV	40	-5.29	-0.007	PASS
Band12	1.4	23095	6	#0	16QAM	NV	50	-4.98	-0.007	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-30	-8.07	-0.011	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-20	-6.94	-0.010	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-10	-4.48	-0.006	PASS
Band12	1.4	23173	6	#0	QPSK	NV	0	-2.12	-0.003	PASS
Band12	1.4	23173	6	#0	QPSK	NV	10	-1.29	-0.002	PASS
Band12	1.4	23173	6	#0	QPSK	NV	20	-2.00	-0.003	PASS
Band12	1.4	23173	6	#0	QPSK	NV	30	-2.00	-0.003	PASS
Band12	1.4	23173	6	#0	QPSK	NV	40	-2.06	-0.003	PASS
Band12	1.4	23173	6	#0	QPSK	NV	50	-2.25	-0.003	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-30	-3.89	-0.005	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-20	-4.09	-0.006	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-10	-6.35	-0.009	PASS
Band12	1.4	23173	6	#0	16QAM	NV	0	-7.10	-0.010	PASS
Band12	1.4	23173	6	#0	16QAM	NV	10	-6.67	-0.009	PASS
Band12	1.4	23173	6	#0	16QAM	NV	20	-7.34	-0.010	PASS
Band12	1.4	23173	6	#0	16QAM	NV	30	-6.82	-0.010	PASS
Band12	1.4	23173	6	#0	16QAM	NV	40	-6.59	-0.009	PASS
Band12	1.4	23173	6	#0	16QAM	NV	50	-7.15	-0.010	PASS
Band12	3	23025	15	#0	QPSK	NV	-30	0.66	0.001	PASS
Band12	3	23025	15	#0	QPSK	NV	-20	0.89	0.001	PASS
Band12	3	23025	15	#0	QPSK	NV	-10	-1.07	-0.002	PASS
Band12	3	23025	15	#0	QPSK	NV	0	-1.07	-0.002	PASS

Band12	3	23025	15	#0	QPSK	NV	10	-1.65	-0.002	PASS
Band12	3	23025	15	#0	QPSK	NV	20	-1.37	-0.002	PASS
Band12	3	23025	15	#0	QPSK	NV	30	-1.76	-0.003	PASS
Band12	3	23025	15	#0	QPSK	NV	40	-1.02	-0.001	PASS
Band12	3	23025	15	#0	QPSK	NV	50	-1.50	-0.002	PASS
Band12	3	23025	15	#0	16QAM	NV	-30	-1.34	-0.002	PASS
Band12	3	23025	15	#0	16QAM	NV	-20	-1.56	-0.002	PASS
Band12	3	23025	15	#0	16QAM	NV	-10	-3.25	-0.005	PASS
Band12	3	23025	15	#0	16QAM	NV	0	-4.94	-0.007	PASS
Band12	3	23025	15	#0	16QAM	NV	10	-5.58	-0.008	PASS
Band12	3	23025	15	#0	16QAM	NV	20	-5.49	-0.008	PASS
Band12	3	23025	15	#0	16QAM	NV	30	-5.62	-0.008	PASS
Band12	3	23025	15	#0	16QAM	NV	40	-5.74	-0.008	PASS
Band12	3	23025	15	#0	16QAM	NV	50	-5.32	-0.008	PASS
Band12	3	23095	15	#0	QPSK	NV	-30	-6.41	-0.009	PASS
Band12	3	23095	15	#0	QPSK	NV	-20	-4.61	-0.007	PASS
Band12	3	23095	15	#0	QPSK	NV	-10	-0.59	-0.001	PASS
Band12	3	23095	15	#0	QPSK	NV	0	-1.52	-0.002	PASS
Band12	3	23095	15	#0	QPSK	NV	10	-0.76	-0.001	PASS
Band12	3	23095	15	#0	QPSK	NV	20	-1.79	-0.003	PASS
Band12	3	23095	15	#0	QPSK	NV	30	-1.96	-0.003	PASS
Band12	3	23095	15	#0	QPSK	NV	40	-1.83	-0.003	PASS
Band12	3	23095	15	#0	QPSK	NV	50	-1.70	-0.002	PASS
Band12	3	23095	15	#0	16QAM	NV	-30	-2.90	-0.004	PASS
Band12	3	23095	15	#0	16QAM	NV	-20	-2.65	-0.004	PASS
Band12	3	23095	15	#0	16QAM	NV	-10	-5.16	-0.007	PASS
Band12	3	23095	15	#0	16QAM	NV	0	-6.92	-0.010	PASS
Band12	3	23095	15	#0	16QAM	NV	10	-6.85	-0.010	PASS
Band12	3	23095	15	#0	16QAM	NV	20	-7.12	-0.010	PASS
Band12	3	23095	15	#0	16QAM	NV	30	-7.12	-0.010	PASS
Band12	3	23095	15	#0	16QAM	NV	40	-6.72	-0.009	PASS
Band12	3	23095	15	#0	16QAM	NV	50	-6.82	-0.010	PASS
Band12	3	23165	15	#0	QPSK	NV	-30	-5.59	-0.008	PASS
Band12	3	23165	15	#0	QPSK	NV	-20	-5.42	-0.008	PASS
Band12	3	23165	15	#0	QPSK	NV	-10	-4.56	-0.006	PASS
Band12	3	23165	15	#0	QPSK	NV	0	-2.65	-0.004	PASS
Band12	3	23165	15	#0	QPSK	NV	10	-1.44	-0.002	PASS
Band12	3	23165	15	#0	QPSK	NV	20	-0.72	-0.001	PASS
Band12	3	23165	15	#0	QPSK	NV	30	-2.26	-0.003	PASS
Band12	3	23165	15	#0	QPSK	NV	40	-1.52	-0.002	PASS
Band12	3	23165	15	#0	QPSK	NV	50	-1.85	-0.003	PASS
Band12	3	23165	15	#0	16QAM	NV	-30	-2.47	-0.003	PASS
Band12	3	23165	15	#0	16QAM	NV	-20	-1.62	-0.002	PASS

Band12	3	23165	15	#0	16QAM	NV	-10	-4.56	-0.006	PASS
Band12	3	23165	15	#0	16QAM	NV	0	-6.94	-0.010	PASS
Band12	3	23165	15	#0	16QAM	NV	10	-5.99	-0.008	PASS
Band12	3	23165	15	#0	16QAM	NV	20	-5.85	-0.008	PASS
Band12	3	23165	15	#0	16QAM	NV	30	-7.14	-0.010	PASS
Band12	3	23165	15	#0	16QAM	NV	40	-6.45	-0.009	PASS
Band12	3	23165	15	#0	16QAM	NV	50	-5.85	-0.008	PASS
Band12	5	23035	25	#0	QPSK	NV	-30	-1.36	-0.002	PASS
Band12	5	23035	25	#0	QPSK	NV	-20	-0.80	-0.001	PASS
Band12	5	23035	25	#0	QPSK	NV	-10	-1.19	-0.002	PASS
Band12	5	23035	25	#0	QPSK	NV	0	-1.10	-0.002	PASS
Band12	5	23035	25	#0	QPSK	NV	10	-1.49	-0.002	PASS
Band12	5	23035	25	#0	QPSK	NV	20	-1.87	-0.003	PASS
Band12	5	23035	25	#0	QPSK	NV	30	-2.20	-0.003	PASS
Band12	5	23035	25	#0	QPSK	NV	40	-1.46	-0.002	PASS
Band12	5	23035	25	#0	QPSK	NV	50	-1.72	-0.002	PASS
Band12	5	23035	25	#0	16QAM	NV	-30	-1.24	-0.002	PASS
Band12	5	23035	25	#0	16QAM	NV	-20	-2.02	-0.003	PASS
Band12	5	23035	25	#0	16QAM	NV	-10	-4.01	-0.006	PASS
Band12	5	23035	25	#0	16QAM	NV	0	-5.68	-0.008	PASS
Band12	5	23035	25	#0	16QAM	NV	10	-5.84	-0.008	PASS
Band12	5	23035	25	#0	16QAM	NV	20	-5.44	-0.008	PASS
Band12	5	23035	25	#0	16QAM	NV	30	-5.61	-0.008	PASS
Band12	5	23035	25	#0	16QAM	NV	40	-5.69	-0.008	PASS
Band12	5	23035	25	#0	16QAM	NV	50	-6.44	-0.009	PASS
Band12	5	23095	25	#0	QPSK	NV	-30	-7.02	-0.010	PASS
Band12	5	23095	25	#0	QPSK	NV	-20	-4.53	-0.006	PASS
Band12	5	23095	25	#0	QPSK	NV	-10	-0.96	-0.001	PASS
Band12	5	23095	25	#0	QPSK	NV	0	-1.12	-0.002	PASS
Band12	5	23095	25	#0	QPSK	NV	10	-0.04	0.000	PASS
Band12	5	23095	25	#0	QPSK	NV	20	-1.83	-0.003	PASS
Band12	5	23095	25	#0	QPSK	NV	30	-1.65	-0.002	PASS
Band12	5	23095	25	#0	QPSK	NV	40	-1.06	-0.001	PASS
Band12	5	23095	25	#0	QPSK	NV	50	-1.37	-0.002	PASS
Band12	5	23095	25	#0	16QAM	NV	-30	-1.82	-0.003	PASS
Band12	5	23095	25	#0	16QAM	NV	-20	-0.87	-0.001	PASS
Band12	5	23095	25	#0	16QAM	NV	-10	-2.59	-0.004	PASS
Band12	5	23095	25	#0	16QAM	NV	0	-5.22	-0.007	PASS
Band12	5	23095	25	#0	16QAM	NV	10	-5.98	-0.008	PASS
Band12	5	23095	25	#0	16QAM	NV	20	-6.41	-0.009	PASS
Band12	5	23095	25	#0	16QAM	NV	30	-6.72	-0.009	PASS
Band12	5	23095	25	#0	16QAM	NV	40	-6.37	-0.009	PASS
Band12	5	23095	25	#0	16QAM	NV	50	-6.14	-0.009	PASS

Band12	5	23155	25	#0	QPSK	NV	-30	-5.89	-0.008	PASS
Band12	5	23155	25	#0	QPSK	NV	-20	-4.84	-0.007	PASS
Band12	5	23155	25	#0	QPSK	NV	-10	-2.00	-0.003	PASS
Band12	5	23155	25	#0	QPSK	NV	0	-0.84	-0.001	PASS
Band12	5	23155	25	#0	QPSK	NV	10	-1.52	-0.002	PASS
Band12	5	23155	25	#0	QPSK	NV	20	-1.99	-0.003	PASS
Band12	5	23155	25	#0	QPSK	NV	30	-3.09	-0.004	PASS
Band12	5	23155	25	#0	QPSK	NV	40	-3.86	-0.005	PASS
Band12	5	23155	25	#0	QPSK	NV	50	-3.32	-0.005	PASS
Band12	5	23155	25	#0	16QAM	NV	-30	-4.46	-0.006	PASS
Band12	5	23155	25	#0	16QAM	NV	-20	-2.30	-0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	-10	-5.32	-0.007	PASS
Band12	5	23155	25	#0	16QAM	NV	0	-6.57	-0.009	PASS
Band12	5	23155	25	#0	16QAM	NV	10	-6.85	-0.010	PASS
Band12	5	23155	25	#0	16QAM	NV	20	-6.98	-0.010	PASS
Band12	5	23155	25	#0	16QAM	NV	30	-6.17	-0.009	PASS
Band12	5	23155	25	#0	16QAM	NV	40	-6.42	-0.009	PASS
Band12	5	23155	25	#0	16QAM	NV	50	-5.95	-0.008	PASS
Band12	10	23060	50	#0	QPSK	NV	-30	-7.77	-0.011	PASS
Band12	10	23060	50	#0	QPSK	NV	-20	-0.06	0.000	PASS
Band12	10	23060	50	#0	QPSK	NV	-10	-0.62	-0.001	PASS
Band12	10	23060	50	#0	QPSK	NV	0	-1.56	-0.002	PASS
Band12	10	23060	50	#0	QPSK	NV	10	-1.63	-0.002	PASS
Band12	10	23060	50	#0	QPSK	NV	20	-1.33	-0.002	PASS
Band12	10	23060	50	#0	QPSK	NV	30	-2.07	-0.003	PASS
Band12	10	23060	50	#0	QPSK	NV	40	-1.57	-0.002	PASS
Band12	10	23060	50	#0	QPSK	NV	50	-1.06	-0.002	PASS
Band12	10	23095	50	#0	QPSK	NV	-30	-6.58	-0.009	PASS
Band12	10	23095	50	#0	QPSK	NV	-20	-1.70	-0.002	PASS
Band12	10	23095	50	#0	QPSK	NV	-10	-1.97	-0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	0	-1.29	-0.002	PASS
Band12	10	23095	50	#0	QPSK	NV	10	-1.70	-0.002	PASS
Band12	10	23095	50	#0	QPSK	NV	20	-1.83	-0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	30	-1.79	-0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	40	-2.36	-0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	50	-1.96	-0.003	PASS
Band12	10	23130	50	#0	QPSK	NV	-30	-6.01	-0.008	PASS
Band12	10	23130	50	#0	QPSK	NV	-20	-5.85	-0.008	PASS
Band12	10	23130	50	#0	QPSK	NV	-10	-3.06	-0.004	PASS
Band12	10	23130	50	#0	QPSK	NV	0	-1.43	-0.002	PASS
Band12	10	23130	50	#0	QPSK	NV	10	-0.72	-0.001	PASS
Band12	10	23130	50	#0	QPSK	NV	20	-1.69	-0.002	PASS
Band12	10	23130	50	#0	QPSK	NV	30	-2.09	-0.003	PASS

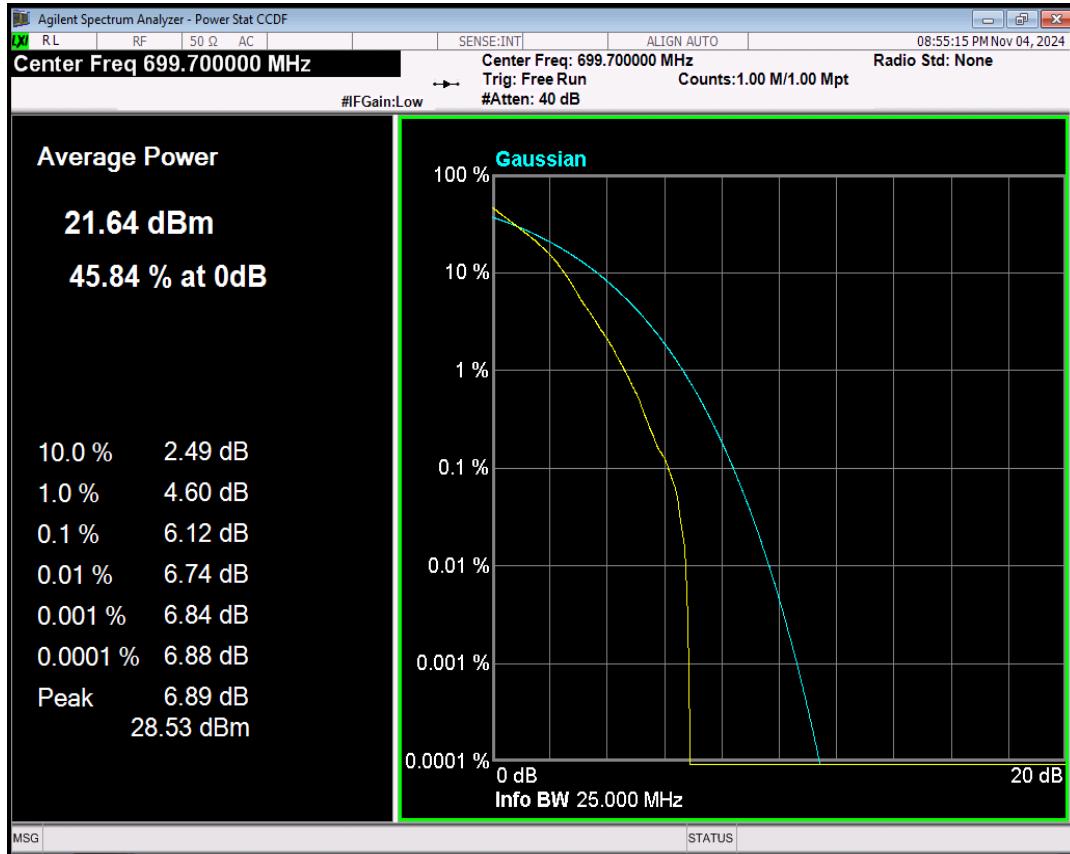
Band12	10	23130	50	#0	QPSK	NV	40	-1.65	-0.002	PASS
Band12	10	23130	50	#0	QPSK	NV	50	-1.99	-0.003	PASS



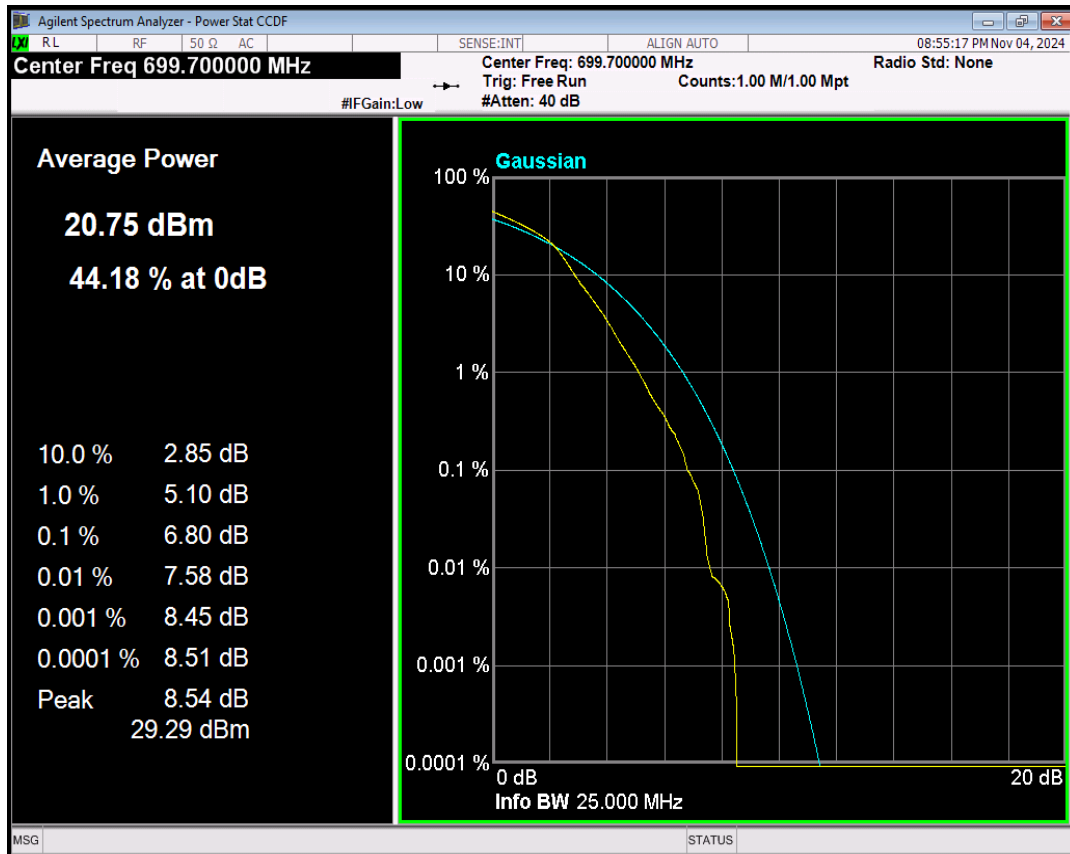
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	6.12	13	PASS
Band12	1.4	23017	1	#0	16QAM	6.80	13	PASS
Band12	1.4	23095	1	#0	QPSK	5.69	13	PASS
Band12	1.4	23095	1	#0	16QAM	6.57	13	PASS
Band12	1.4	23173	1	#0	QPSK	5.40	13	PASS
Band12	1.4	23173	1	#0	16QAM	5.98	13	PASS
Band12	3	23025	1	#0	QPSK	5.88	13	PASS
Band12	3	23025	1	#0	16QAM	6.77	13	PASS
Band12	3	23095	1	#0	QPSK	5.75	13	PASS
Band12	3	23095	1	#0	16QAM	6.67	13	PASS
Band12	3	23165	1	#0	QPSK	5.15	13	PASS
Band12	3	23165	1	#0	16QAM	5.74	13	PASS
Band12	5	23035	1	#0	QPSK	6.32	13	PASS
Band12	5	23035	1	#0	16QAM	6.47	13	PASS
Band12	5	23095	1	#0	QPSK	5.33	13	PASS
Band12	5	23095	1	#0	16QAM	5.94	13	PASS
Band12	5	23155	1	#0	QPSK	5.17	13	PASS
Band12	5	23155	1	#0	16QAM	5.76	13	PASS
Band12	10	23060	1	#0	QPSK	5.54	13	PASS
Band12	10	23095	1	#0	QPSK	4.86	13	PASS
Band12	10	23130	1	#0	QPSK	5.57	13	PASS

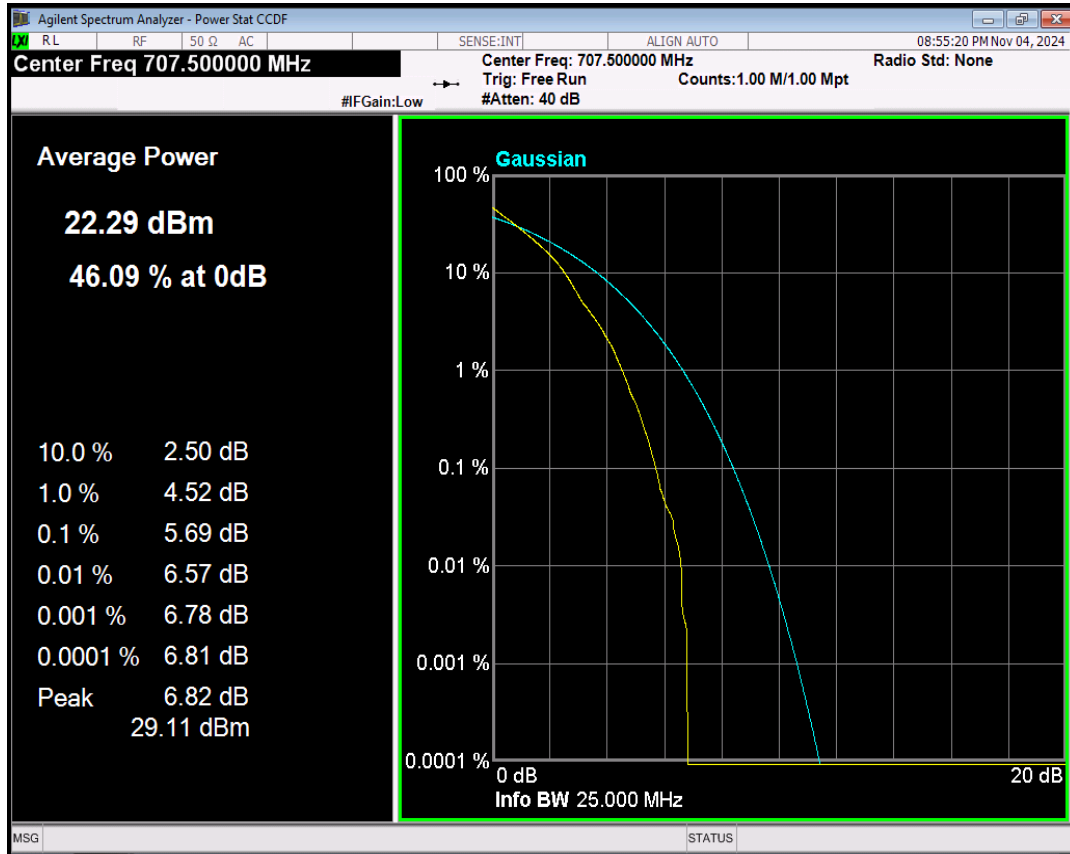
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



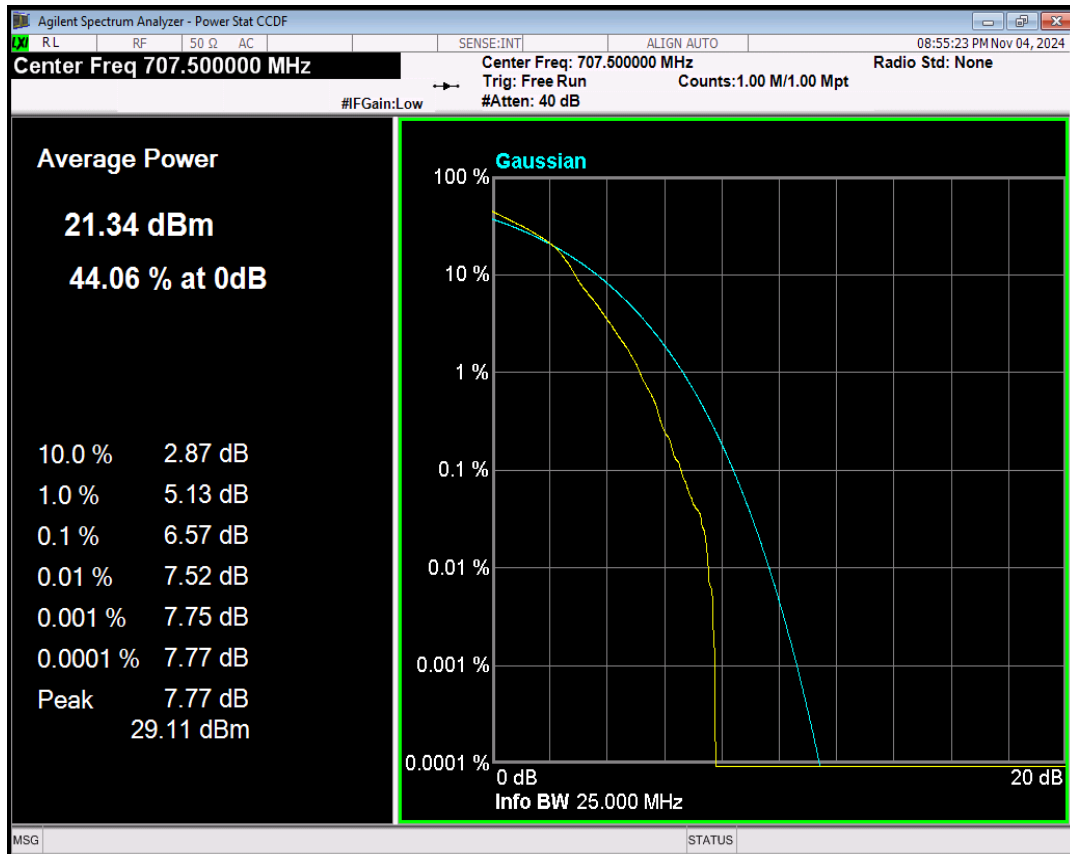
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



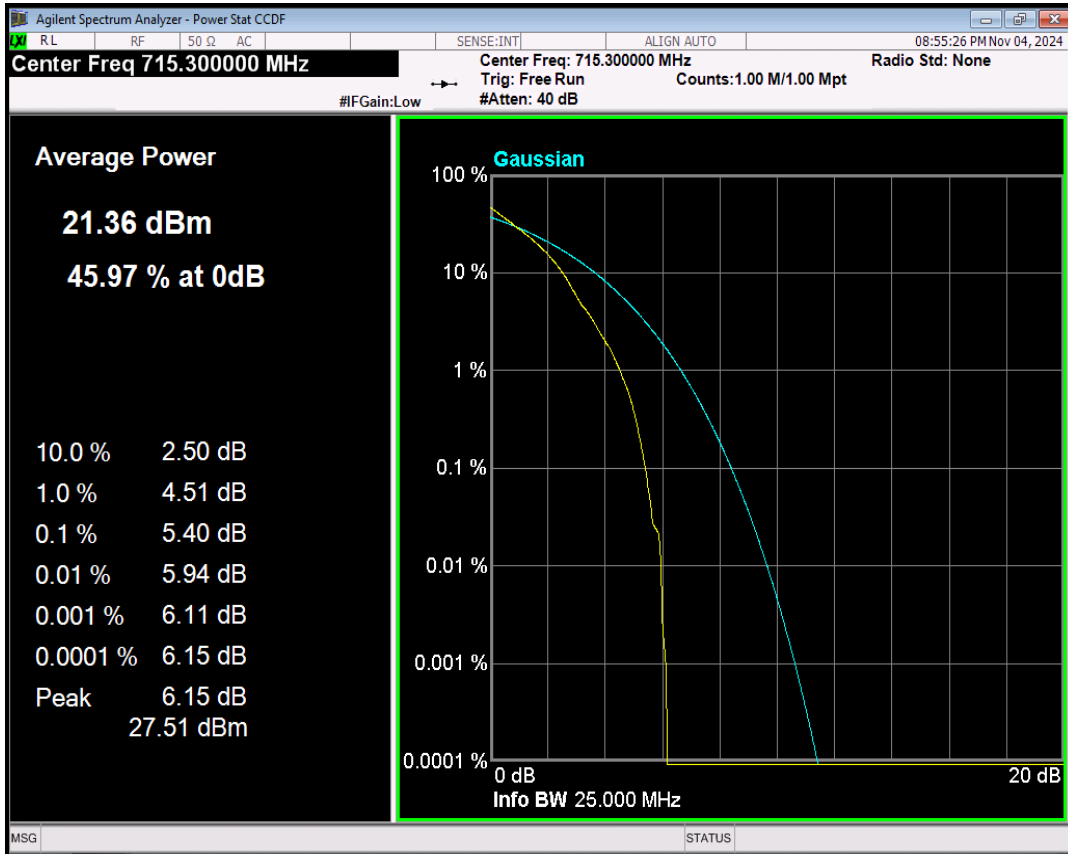
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



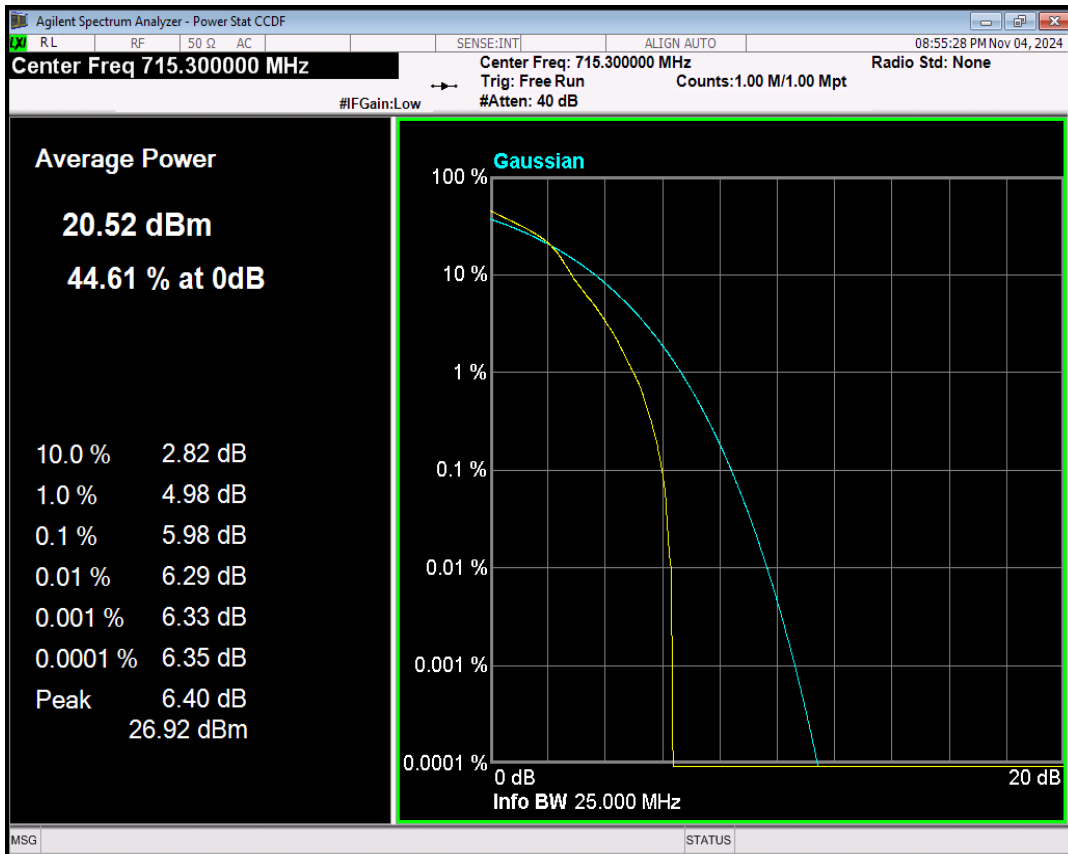
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



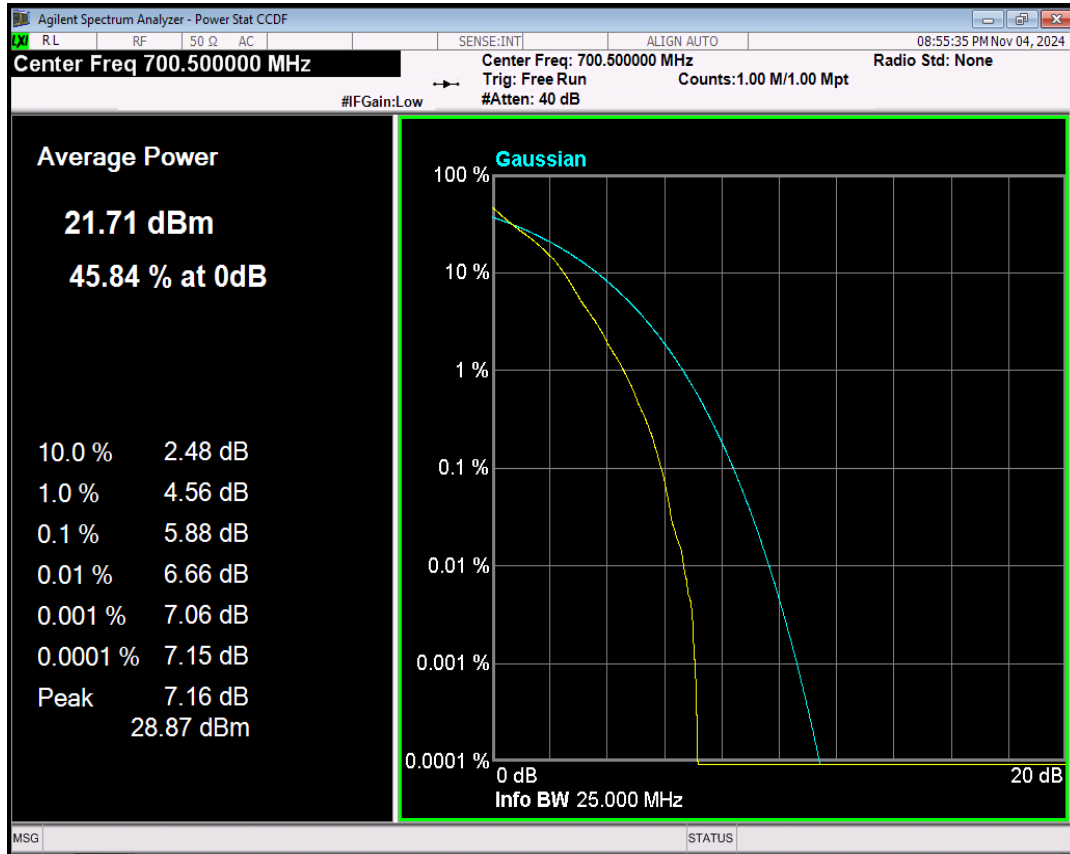
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



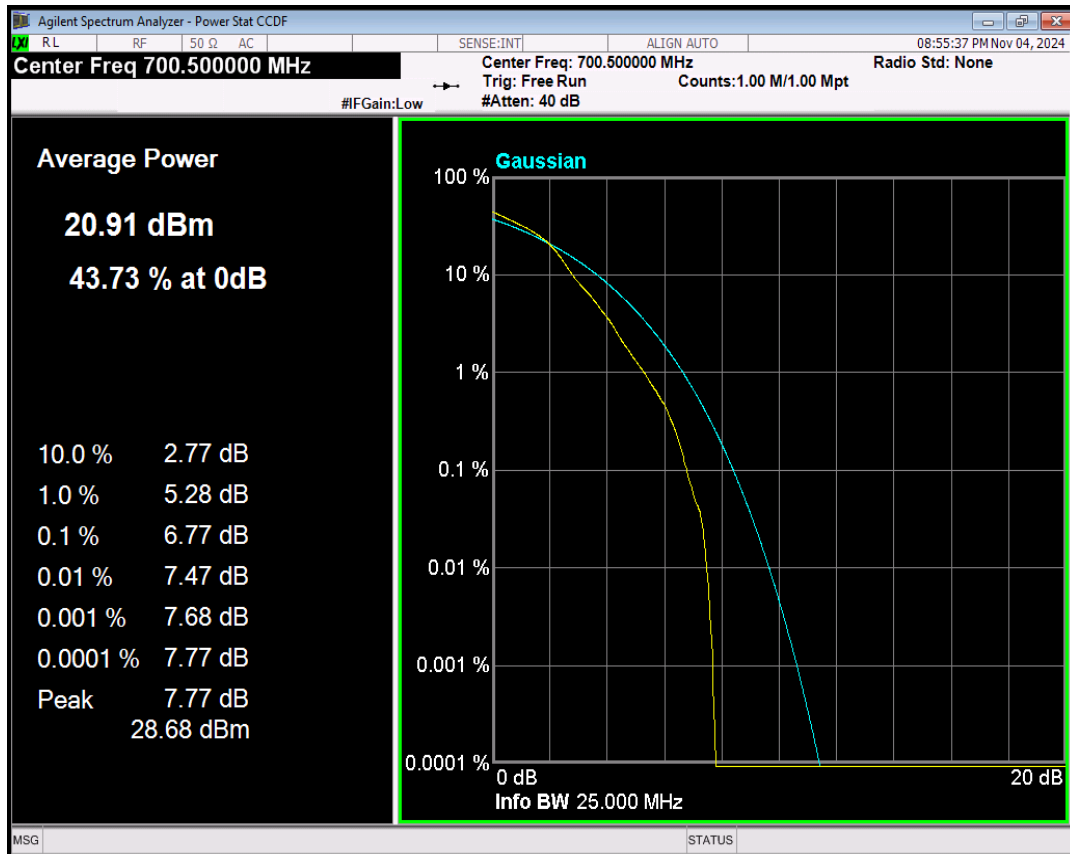
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



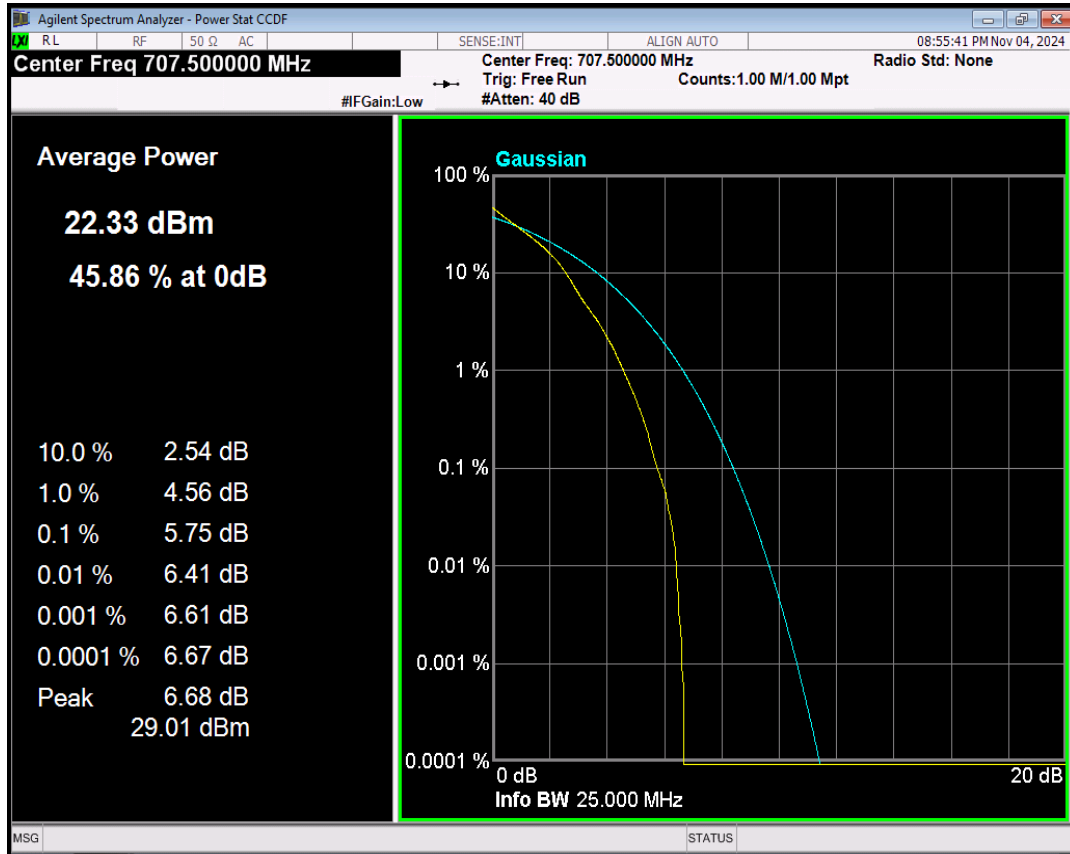
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



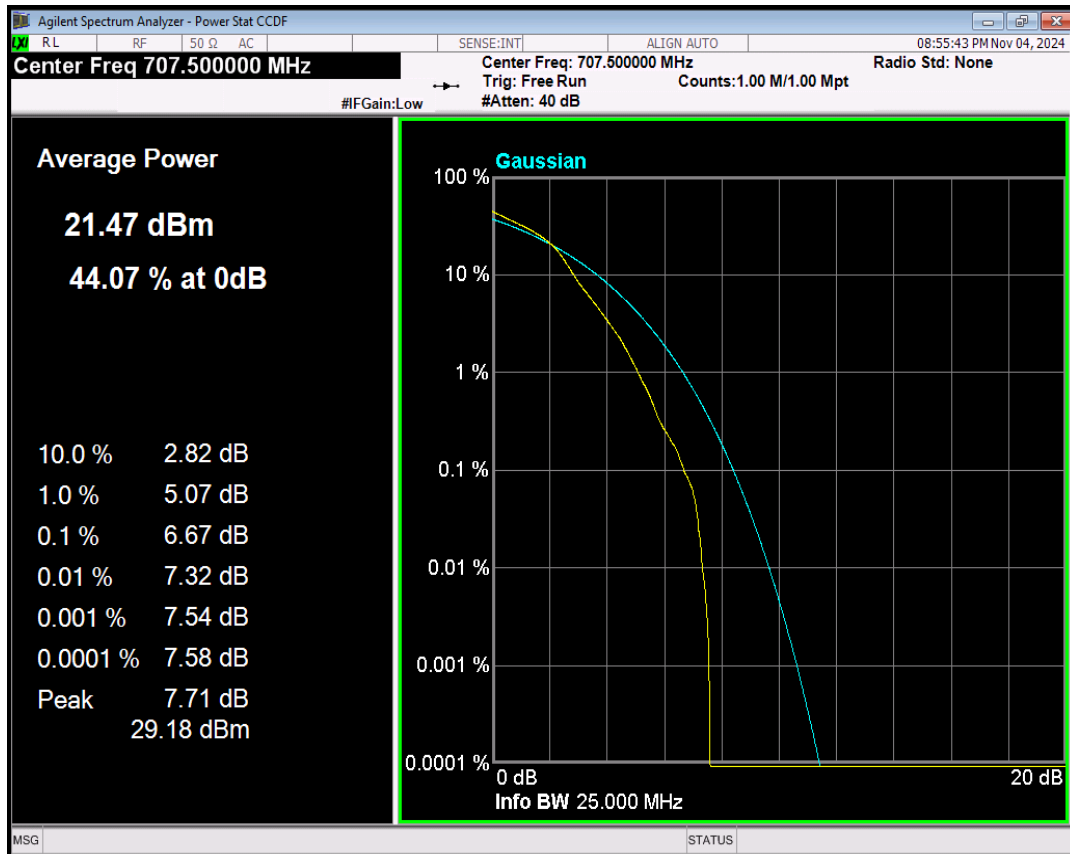
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



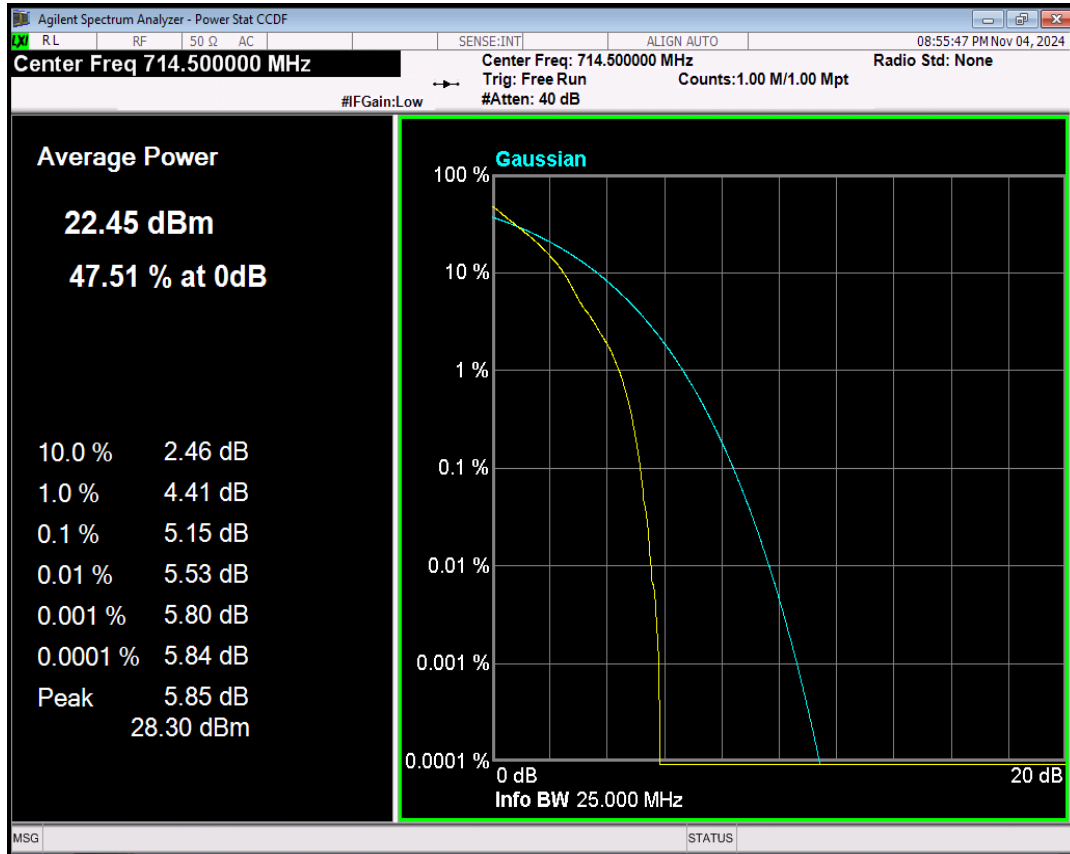
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



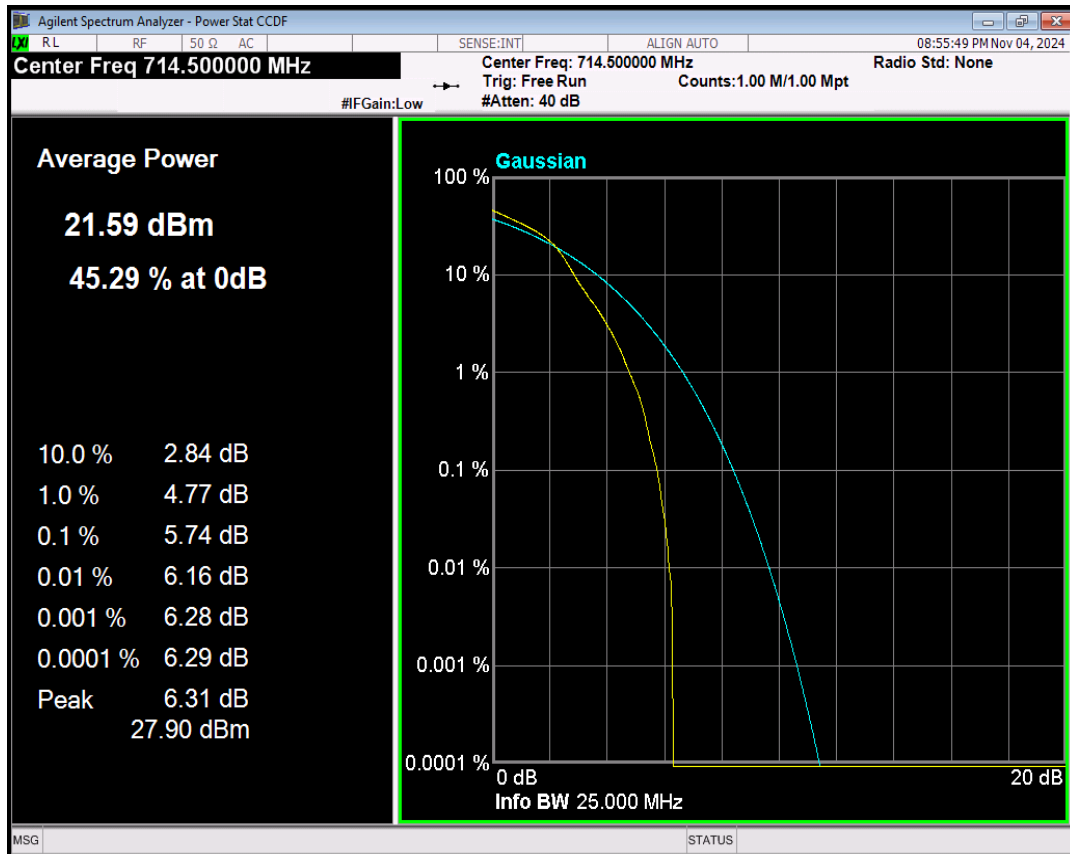
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



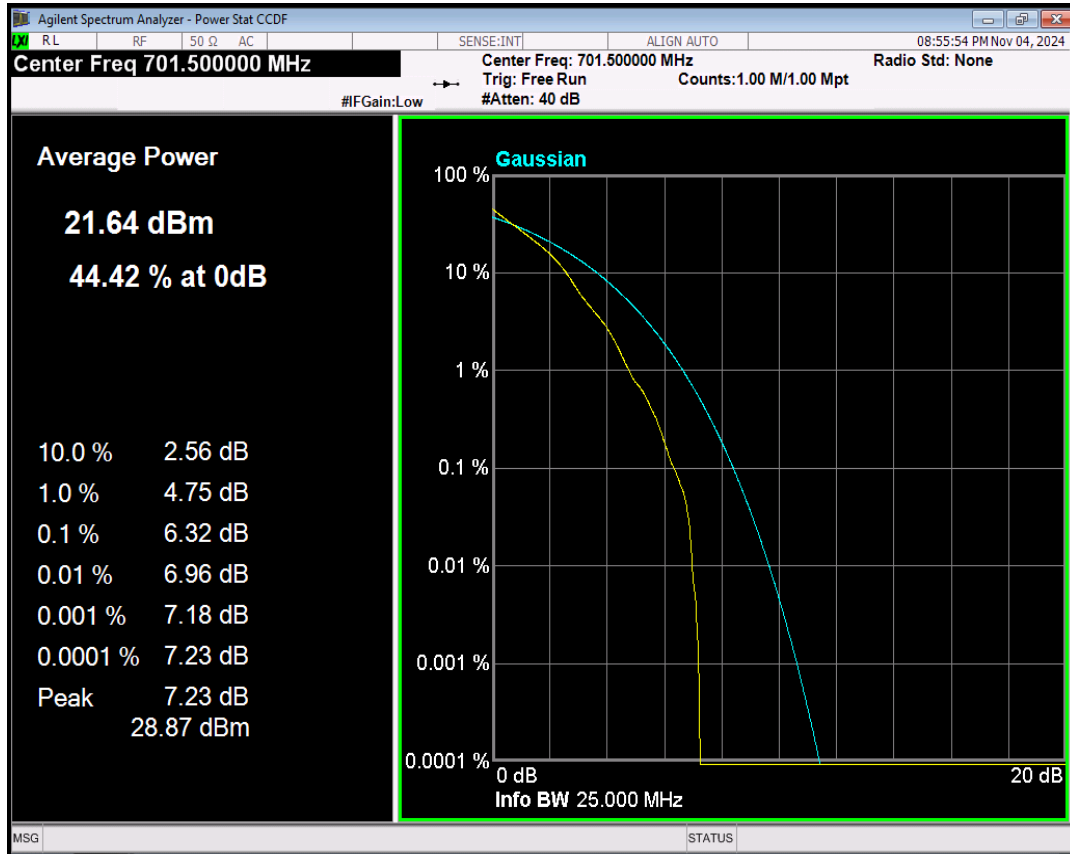
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



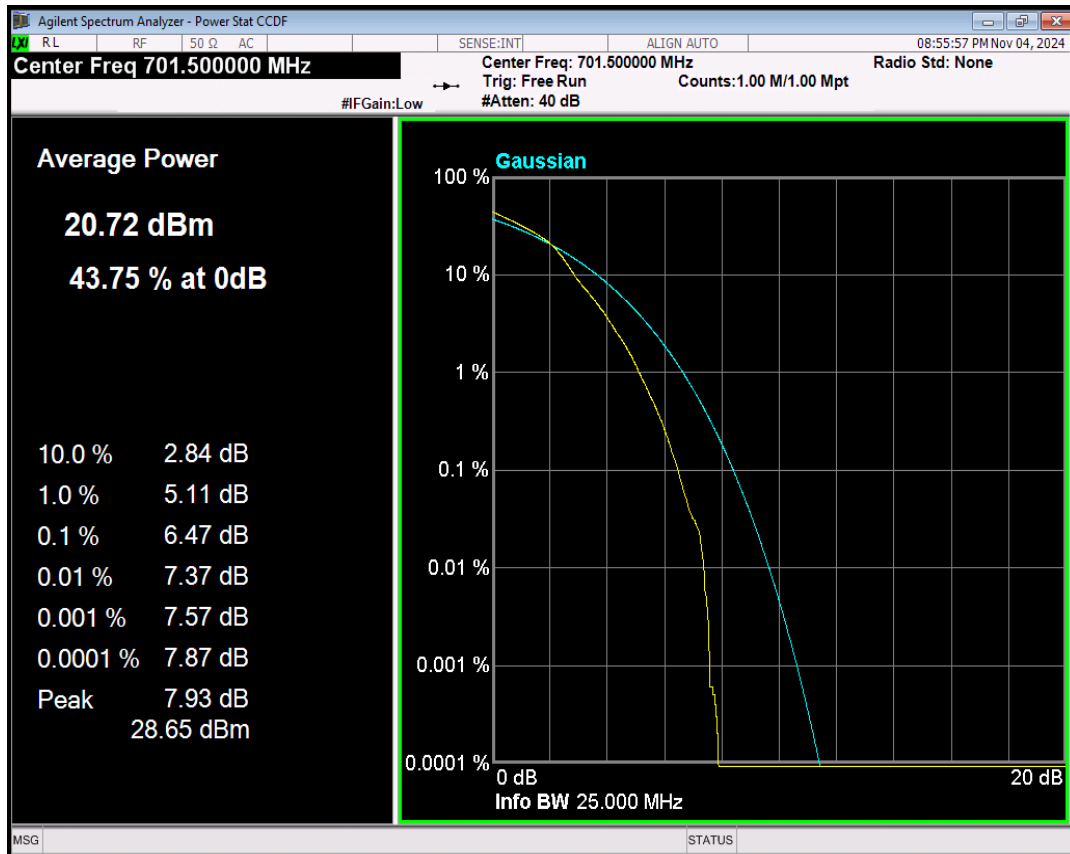
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



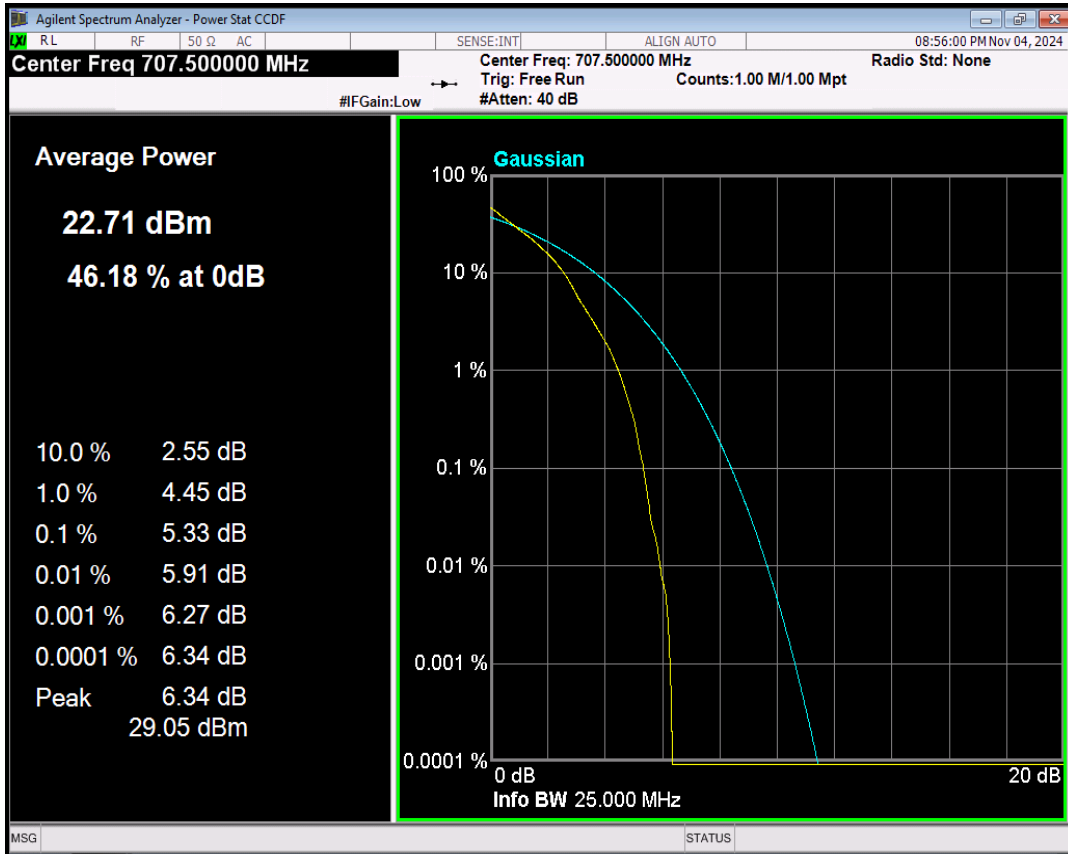
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



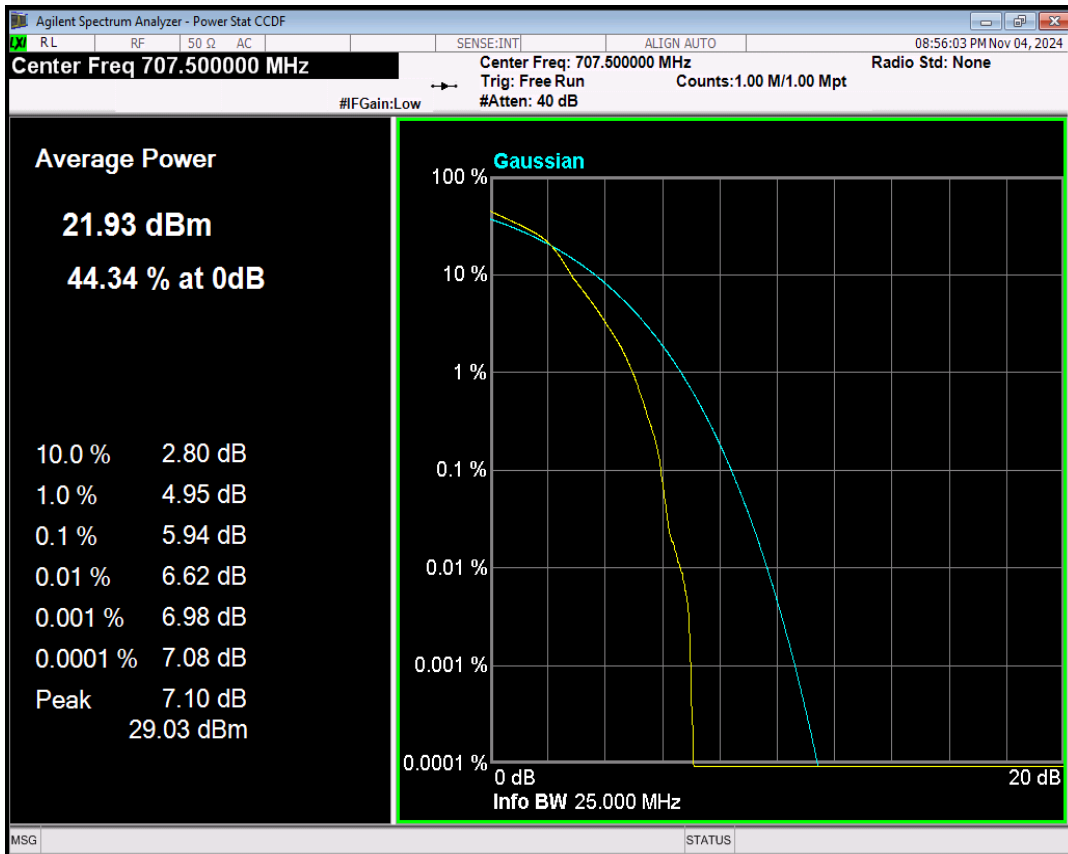
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



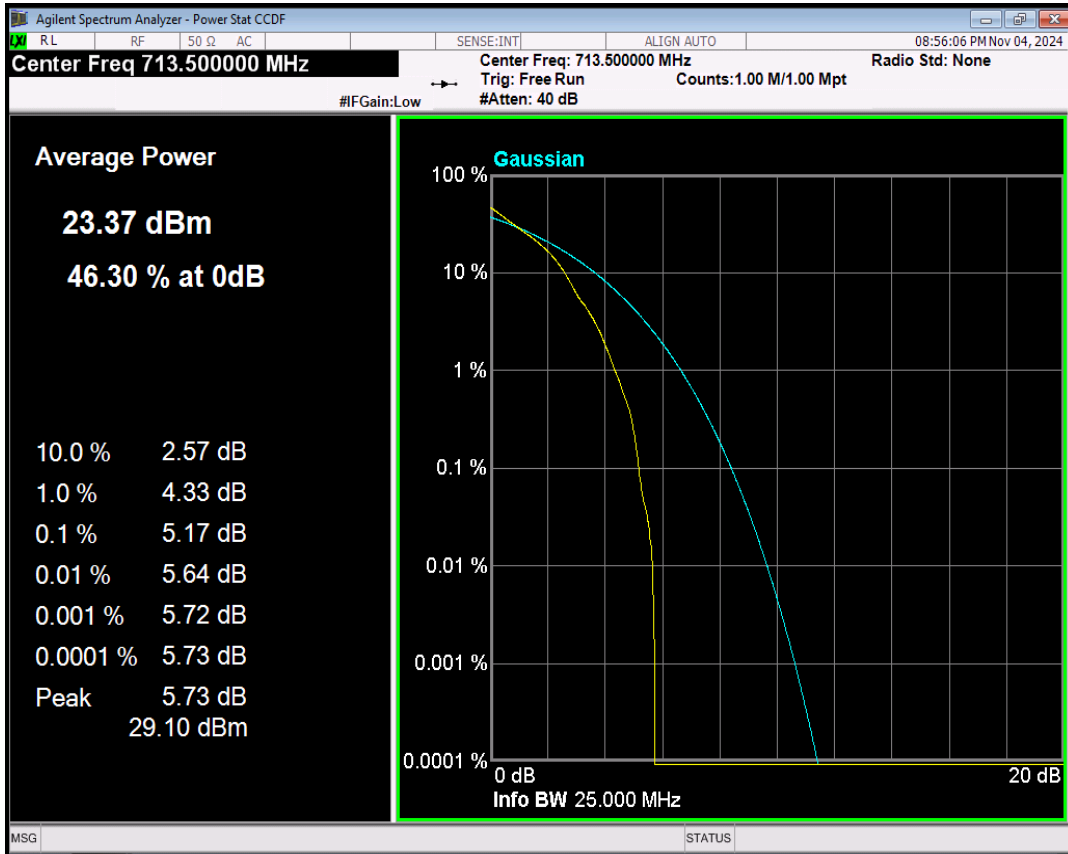
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



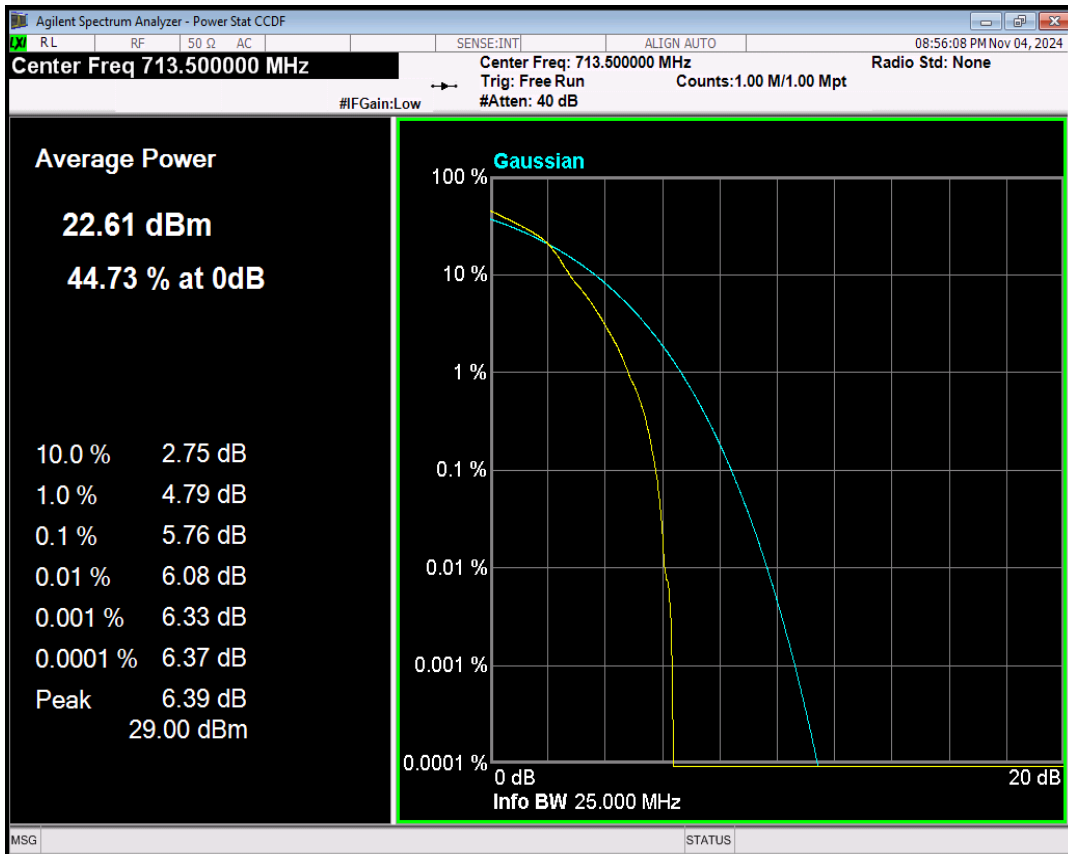
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



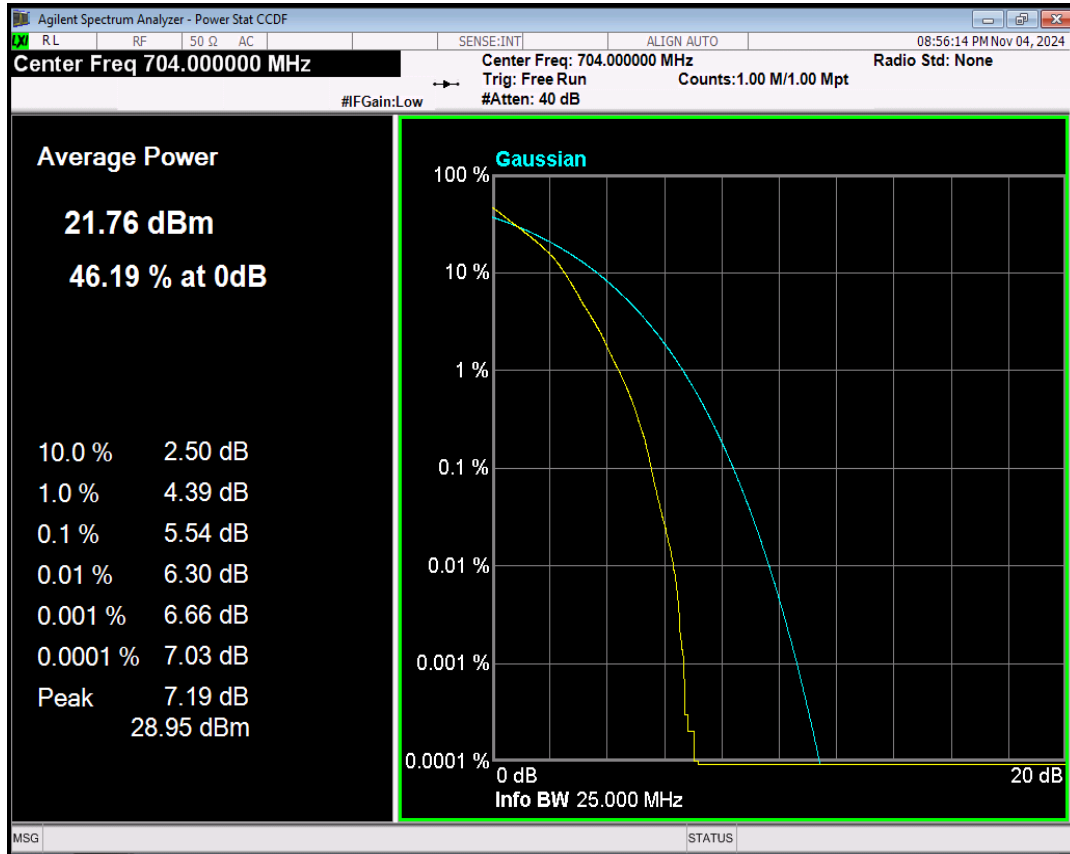
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



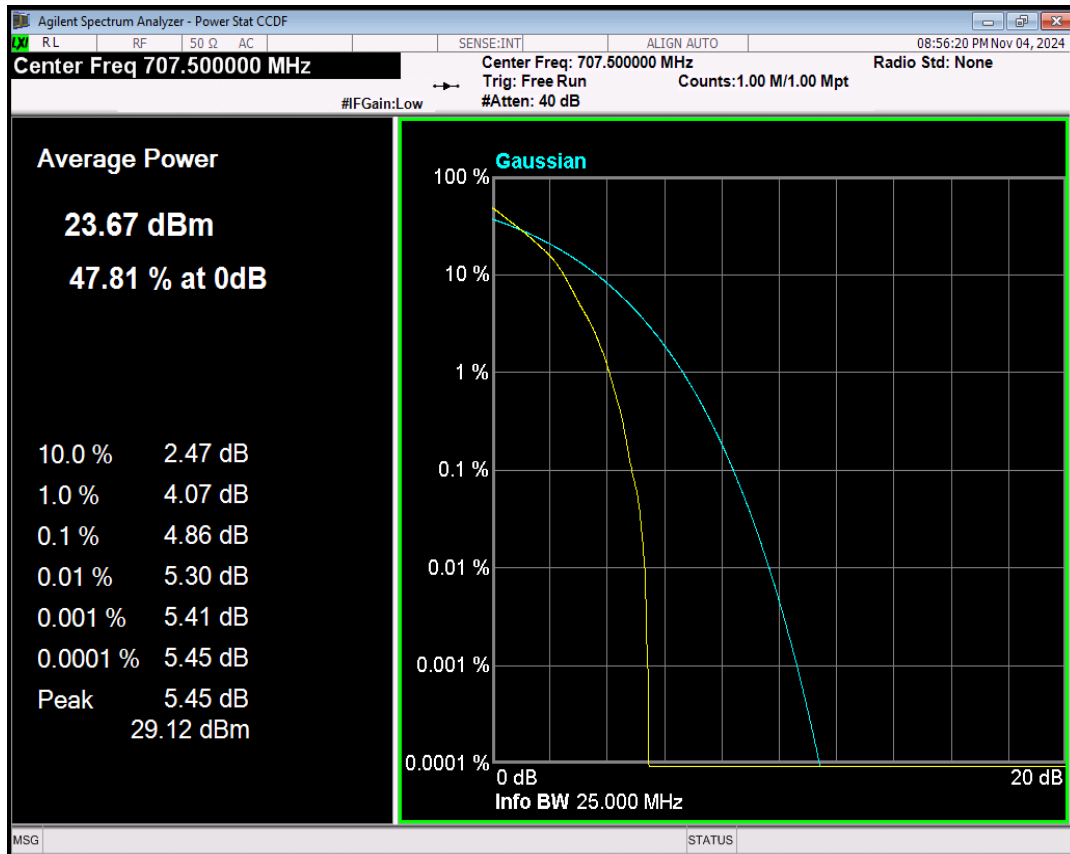
Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



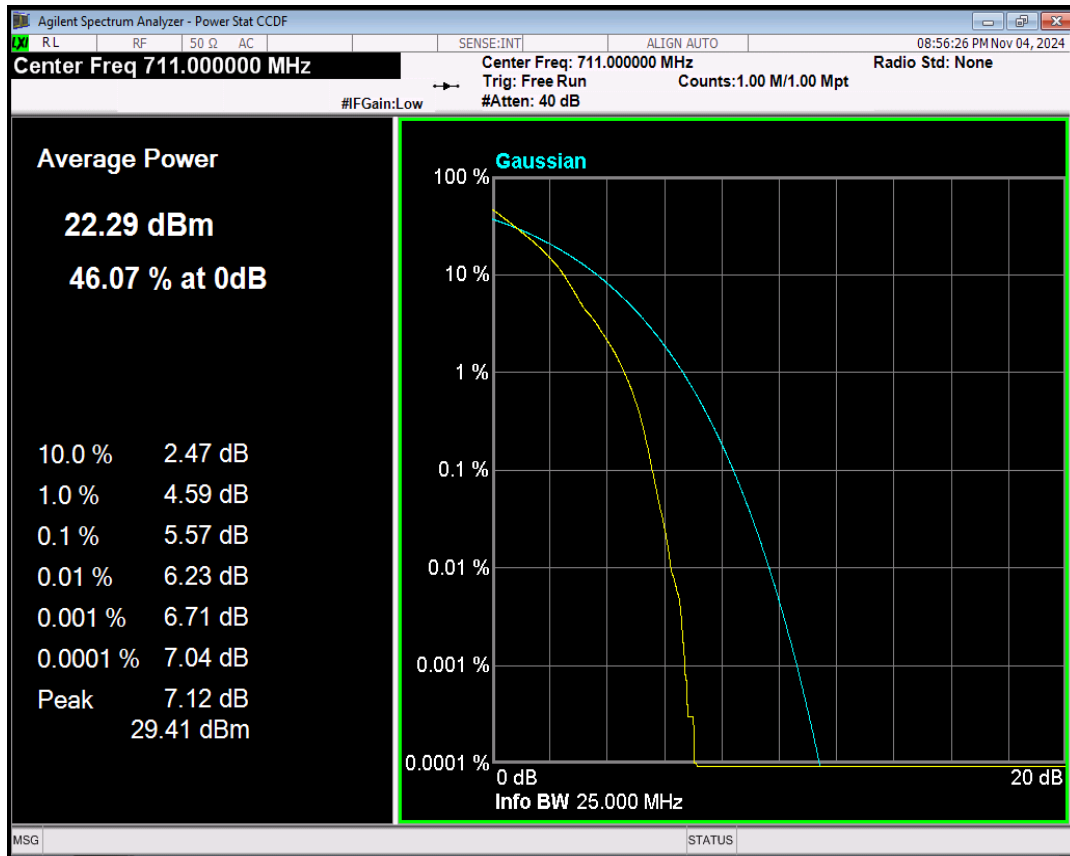
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



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



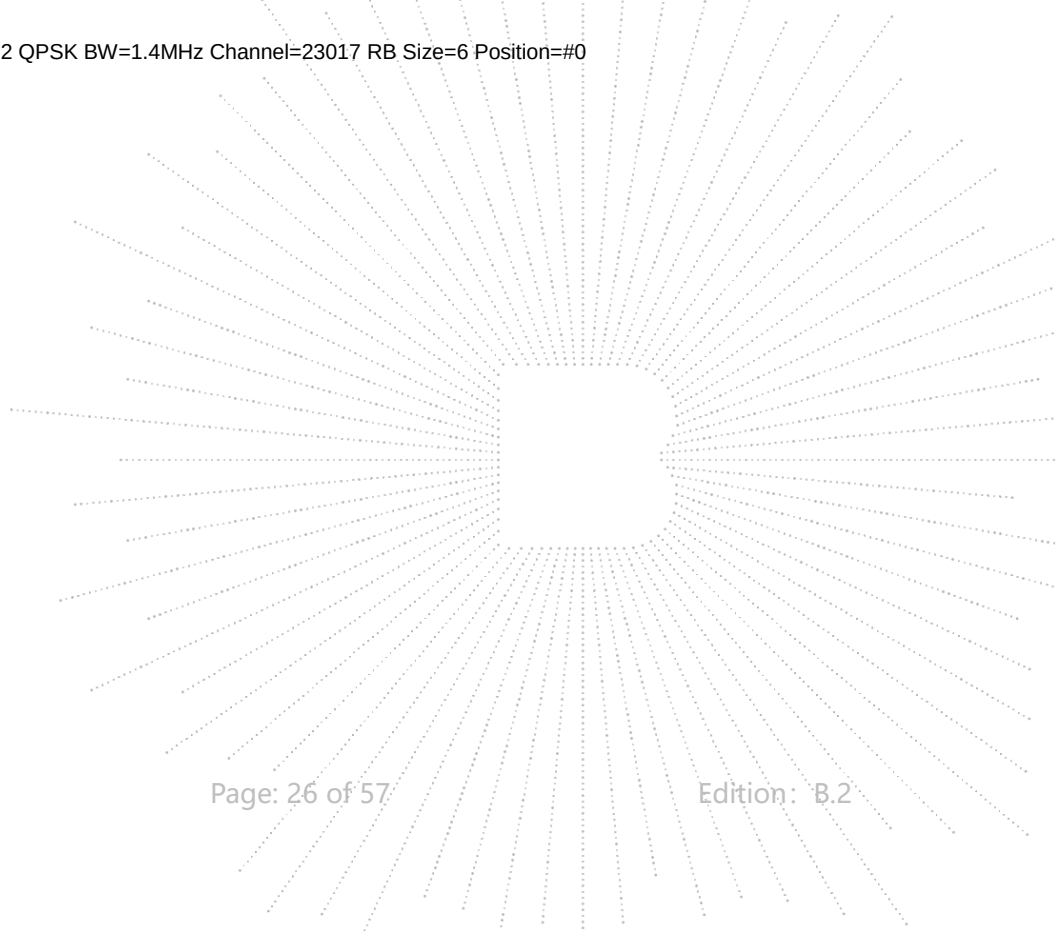
Band12 QPSK BW=10MHz Channel=23130 RB Size=1 Position=#0

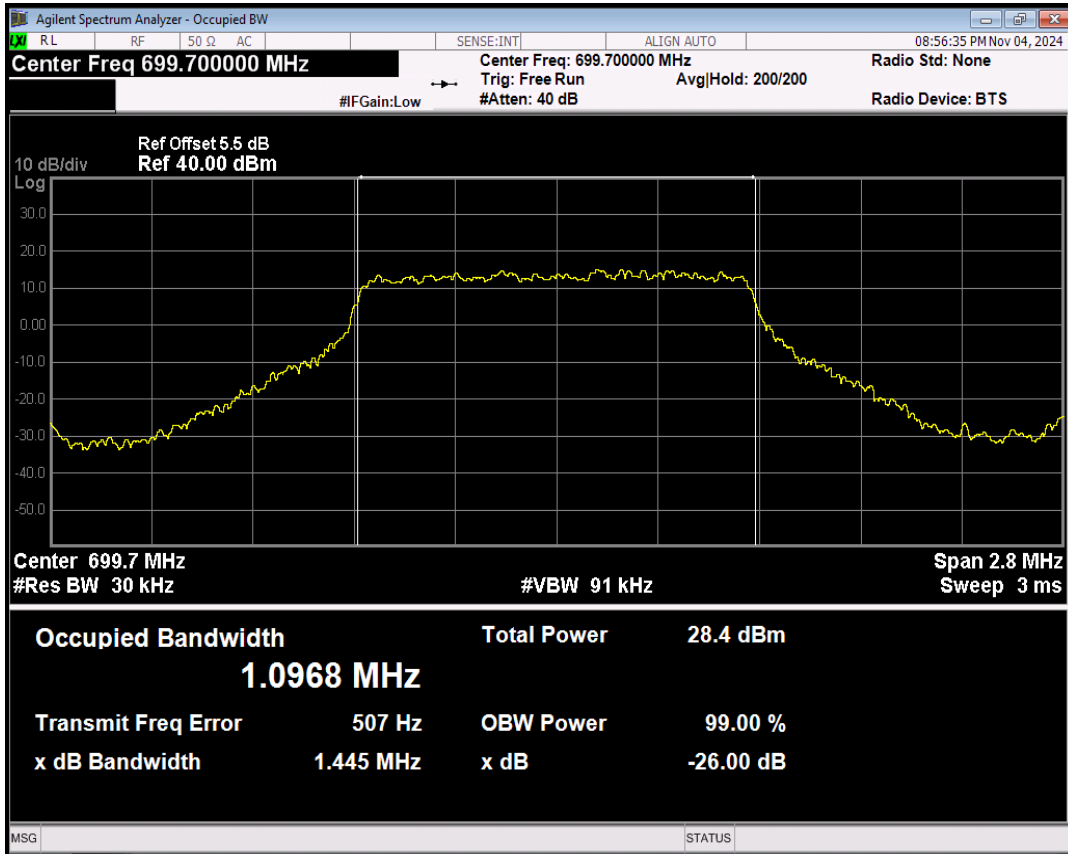


Appendix 4. Occupied bandwidth

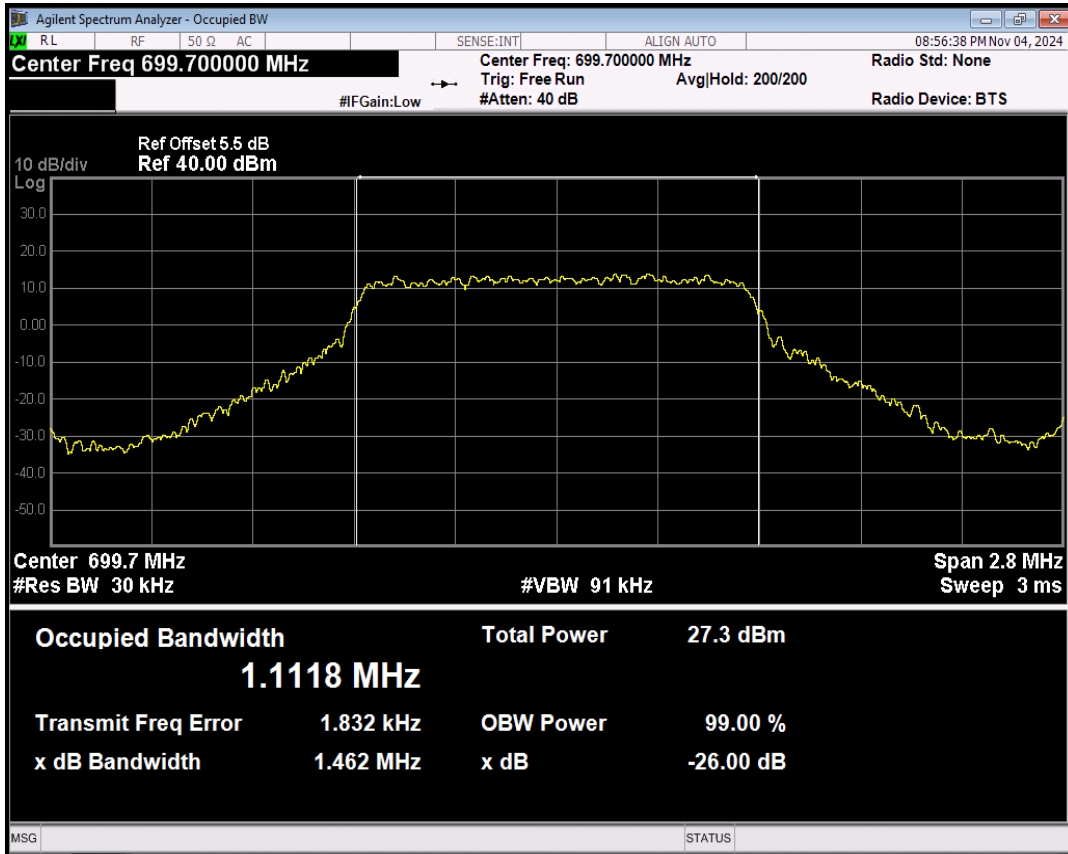
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.097	1.445	PASS
Band12	1.4	23017	6	#0	16QAM	1.112	1.462	PASS
Band12	1.4	23095	6	#0	QPSK	1.093	1.442	PASS
Band12	1.4	23095	6	#0	16QAM	1.095	1.397	PASS
Band12	1.4	23173	6	#0	QPSK	1.100	1.467	PASS
Band12	1.4	23173	6	#0	16QAM	1.106	1.382	PASS
Band12	3	23025	15	#0	QPSK	2.683	3.144	PASS
Band12	3	23025	15	#0	16QAM	2.686	3.196	PASS
Band12	3	23095	15	#0	QPSK	2.692	3.191	PASS
Band12	3	23095	15	#0	16QAM	2.692	3.198	PASS
Band12	3	23165	15	#0	QPSK	2.691	3.218	PASS
Band12	3	23165	15	#0	16QAM	2.691	3.181	PASS
Band12	5	23035	25	#0	QPSK	4.507	4.963	PASS
Band12	5	23035	25	#0	16QAM	4.463	5.057	PASS
Band12	5	23095	25	#0	QPSK	4.485	5.194	PASS
Band12	5	23095	25	#0	16QAM	4.484	5.058	PASS
Band12	5	23155	25	#0	QPSK	4.472	4.963	PASS
Band12	5	23155	25	#0	16QAM	4.482	4.982	PASS
Band12	10	23060	50	#0	QPSK	8.918	9.577	PASS
Band12	10	23095	50	#0	QPSK	8.956	9.687	PASS
Band12	10	23130	50	#0	QPSK	8.959	9.623	PASS

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

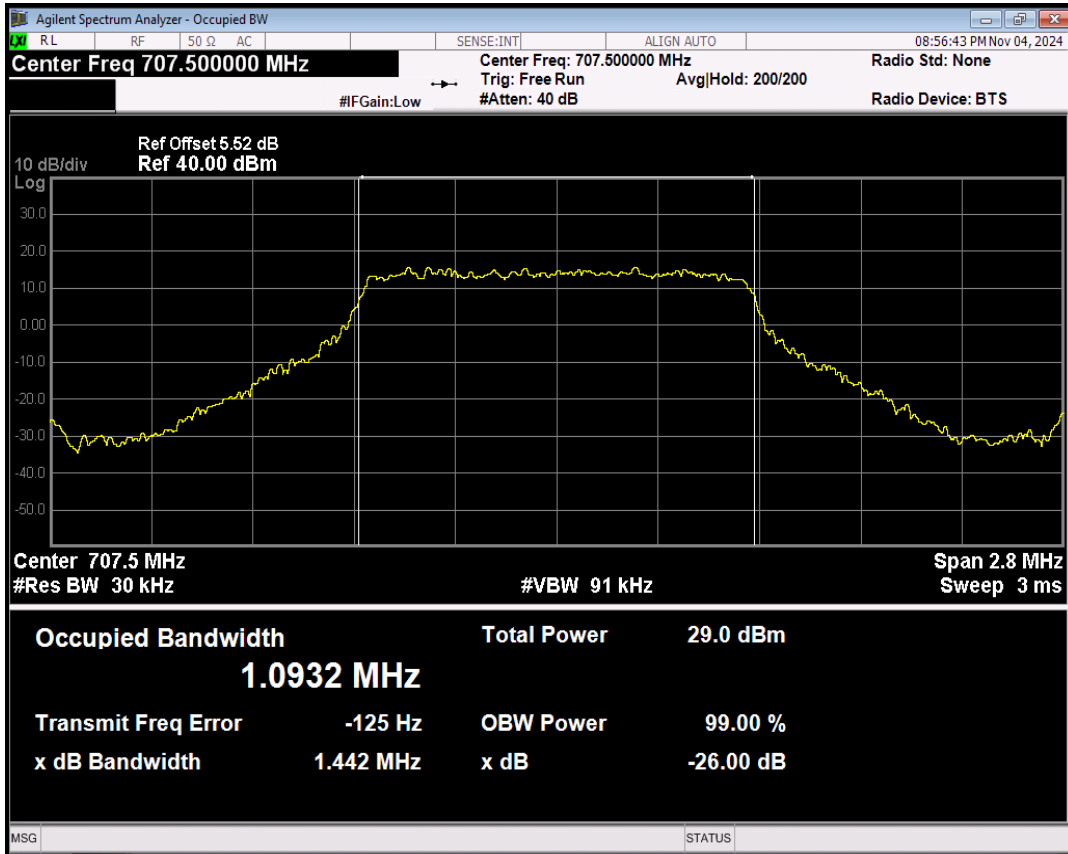




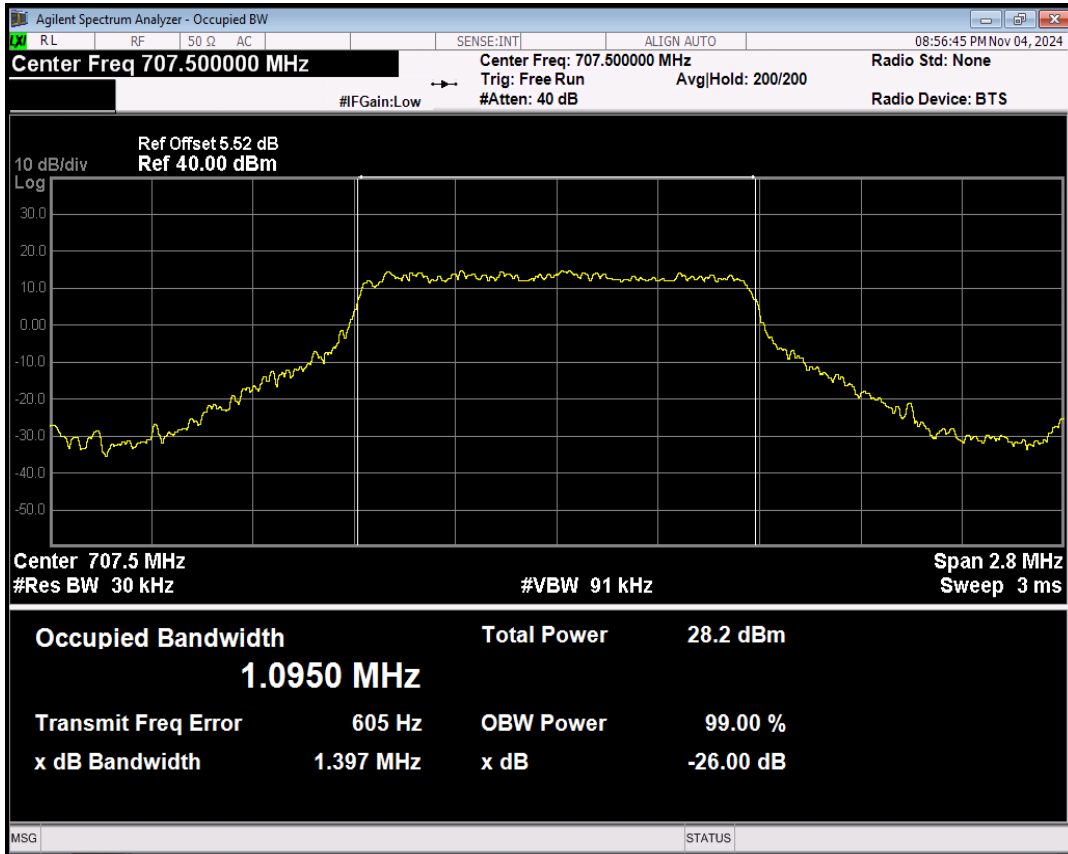
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



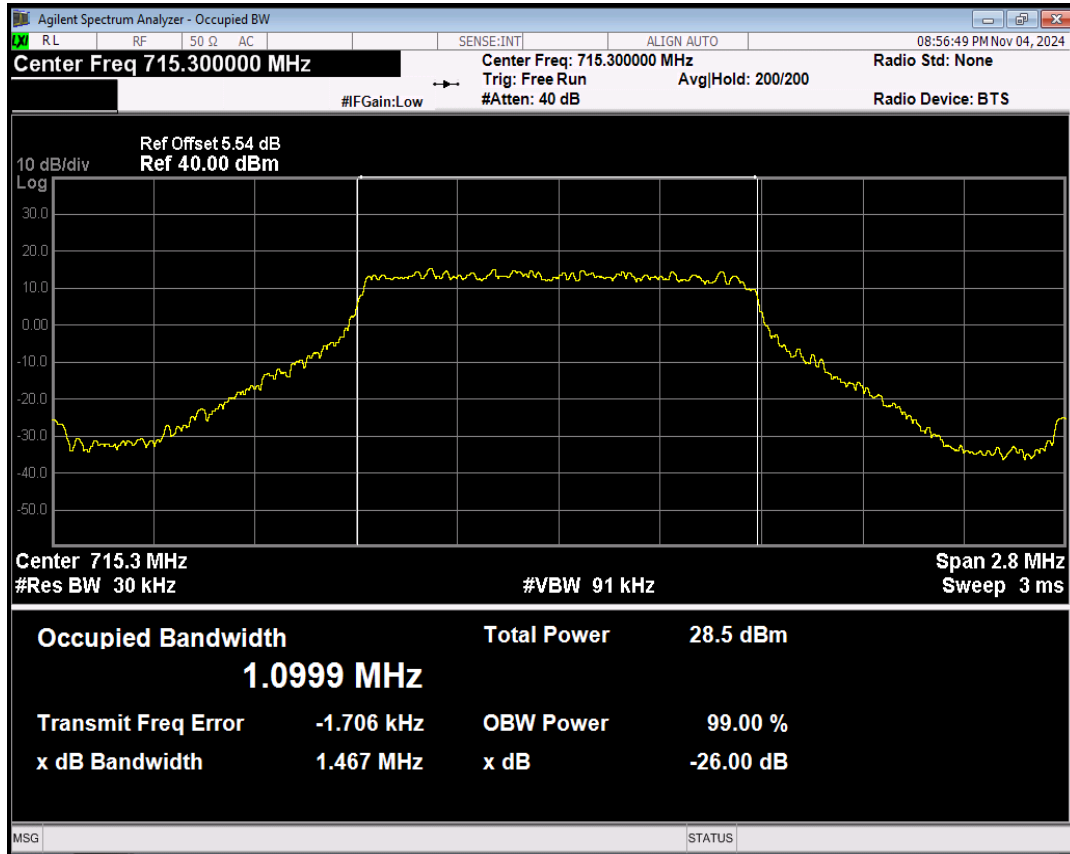
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



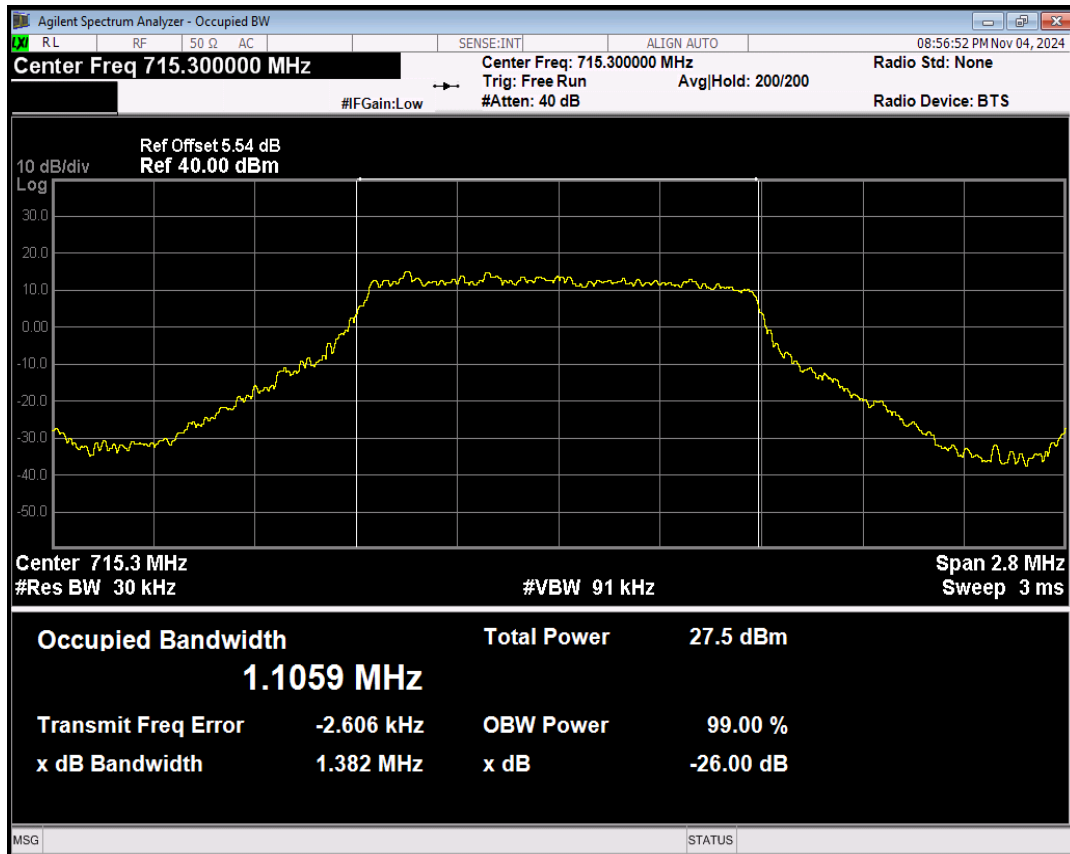
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



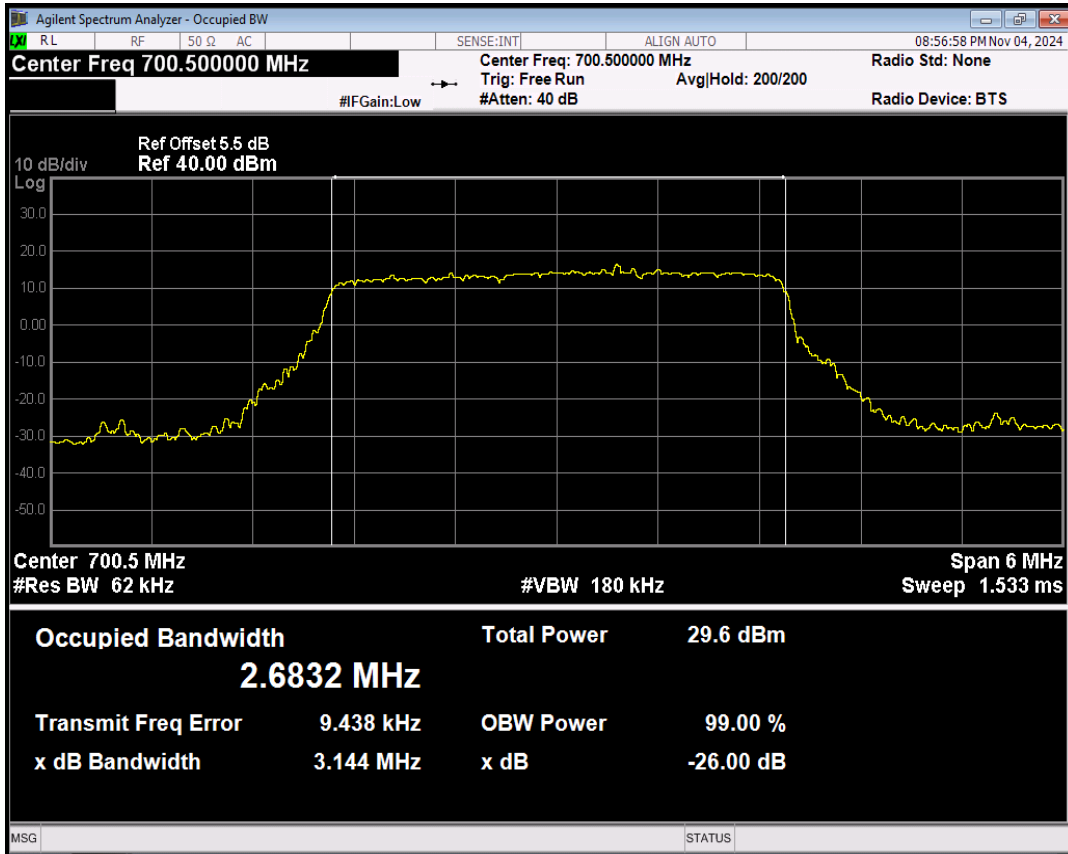
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



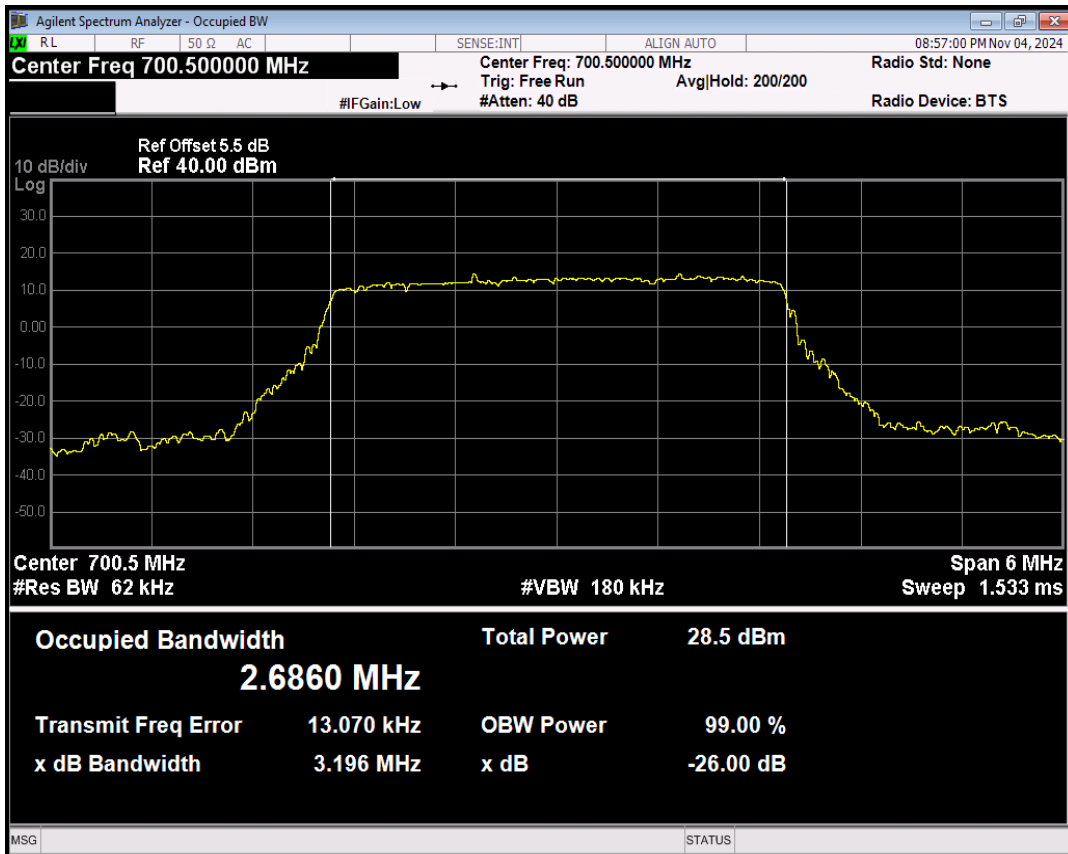
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



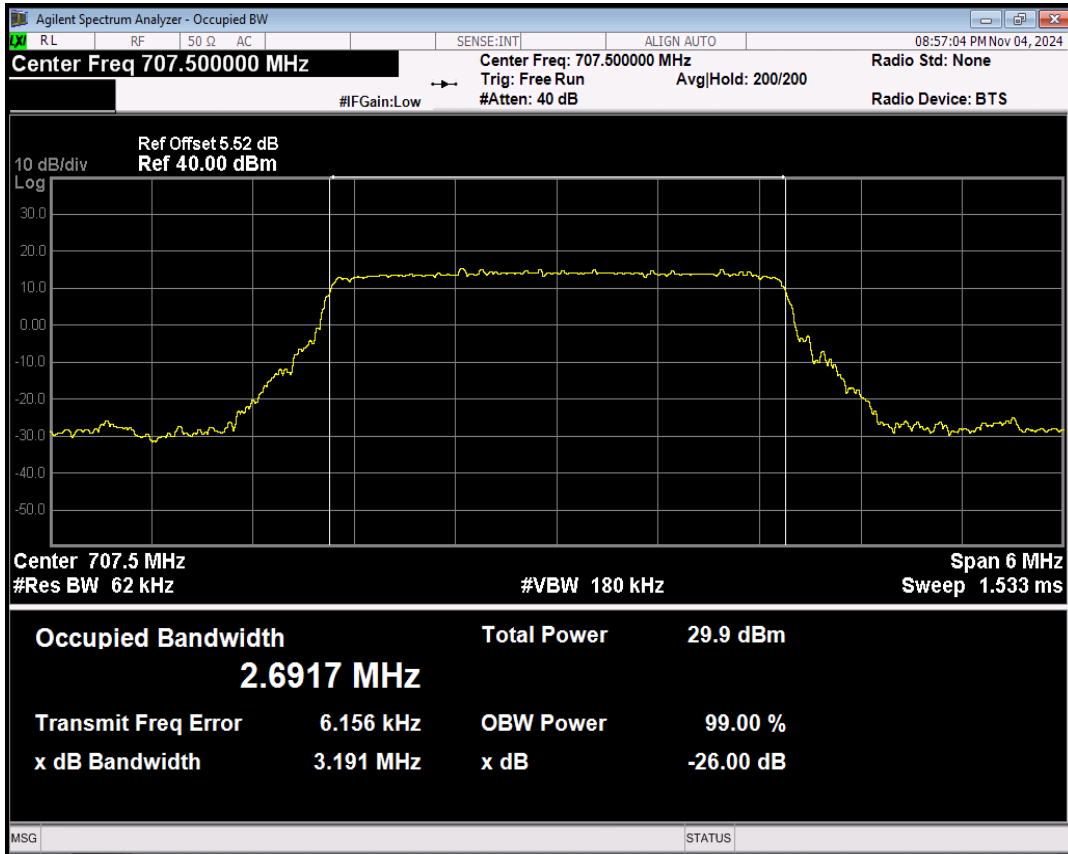
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



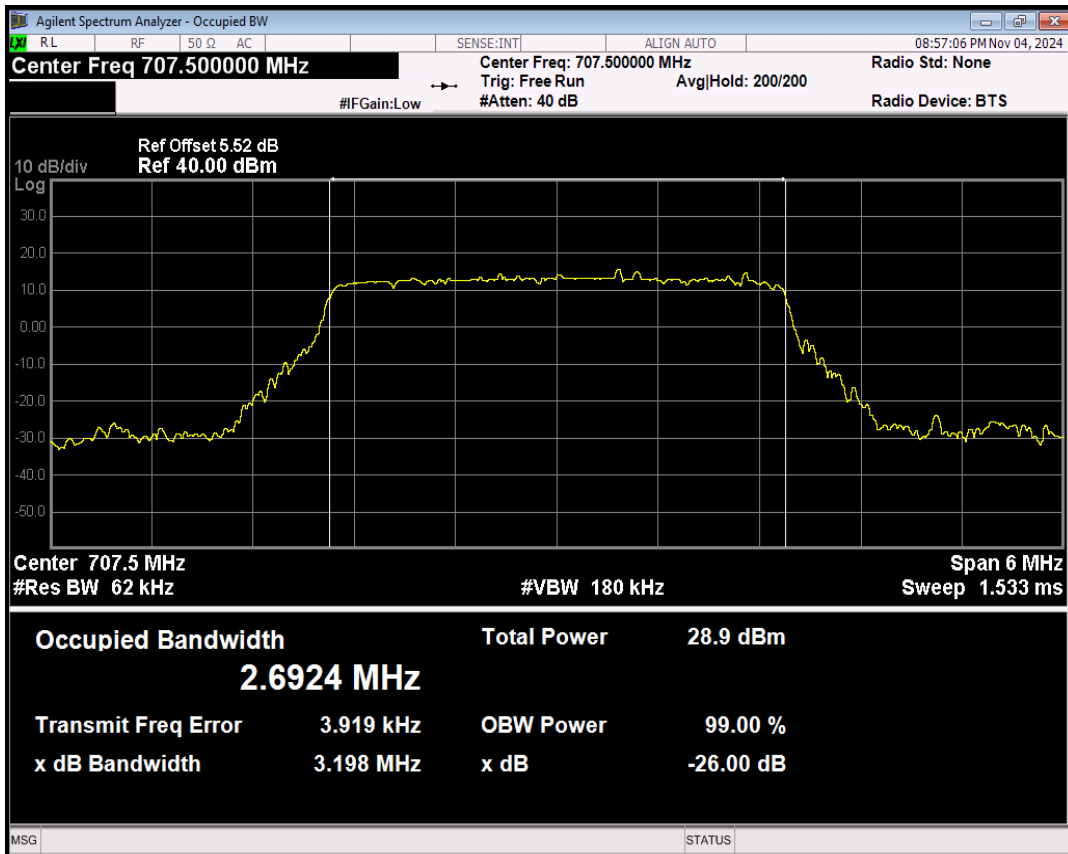
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



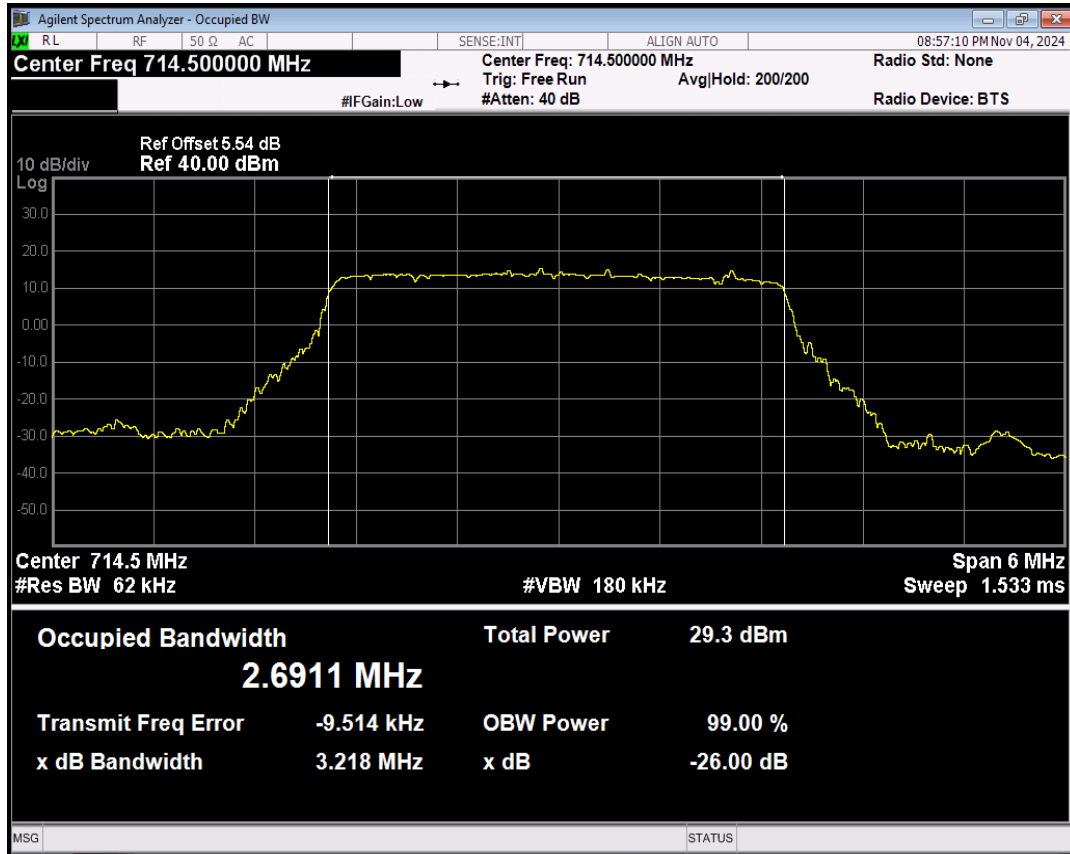
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



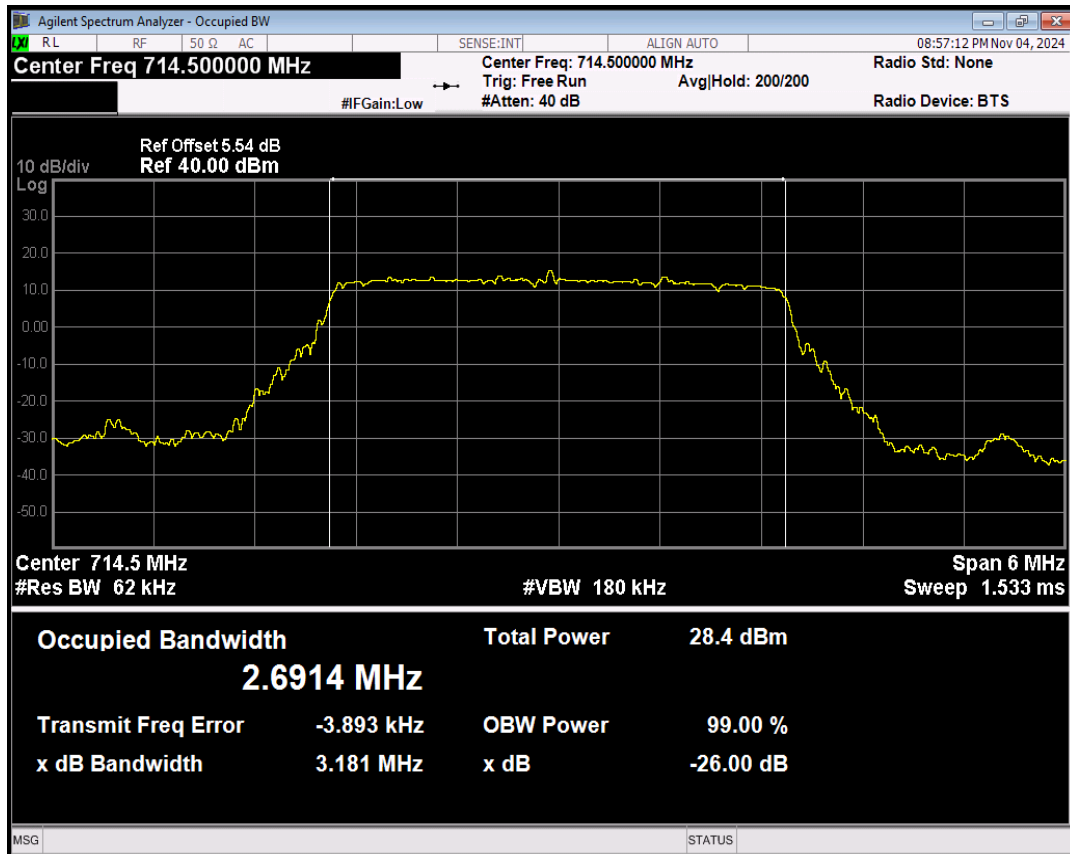
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



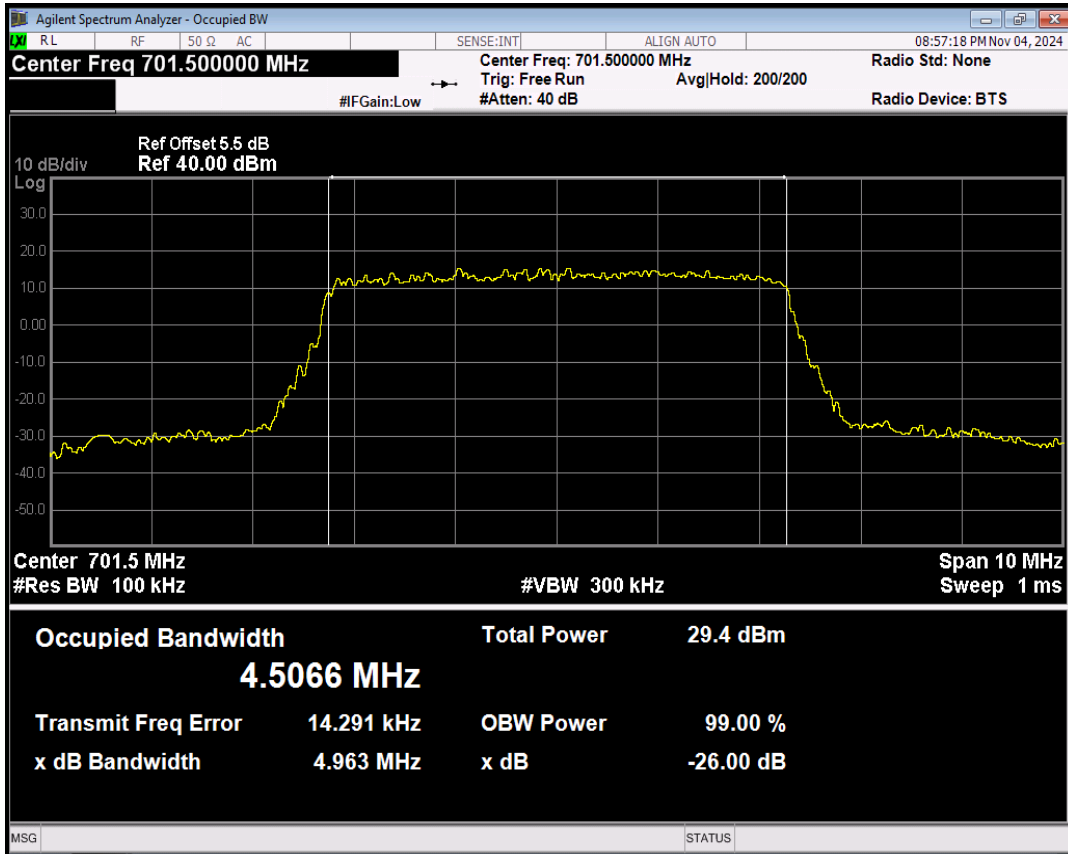
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



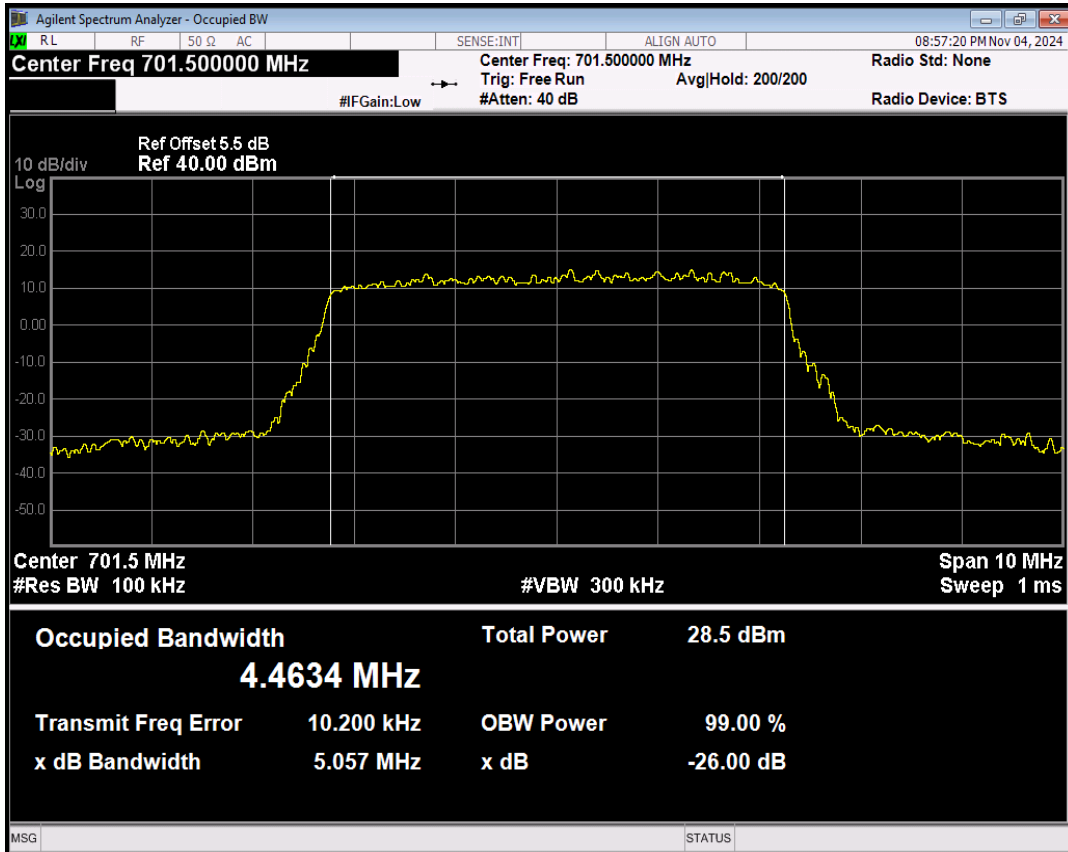
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



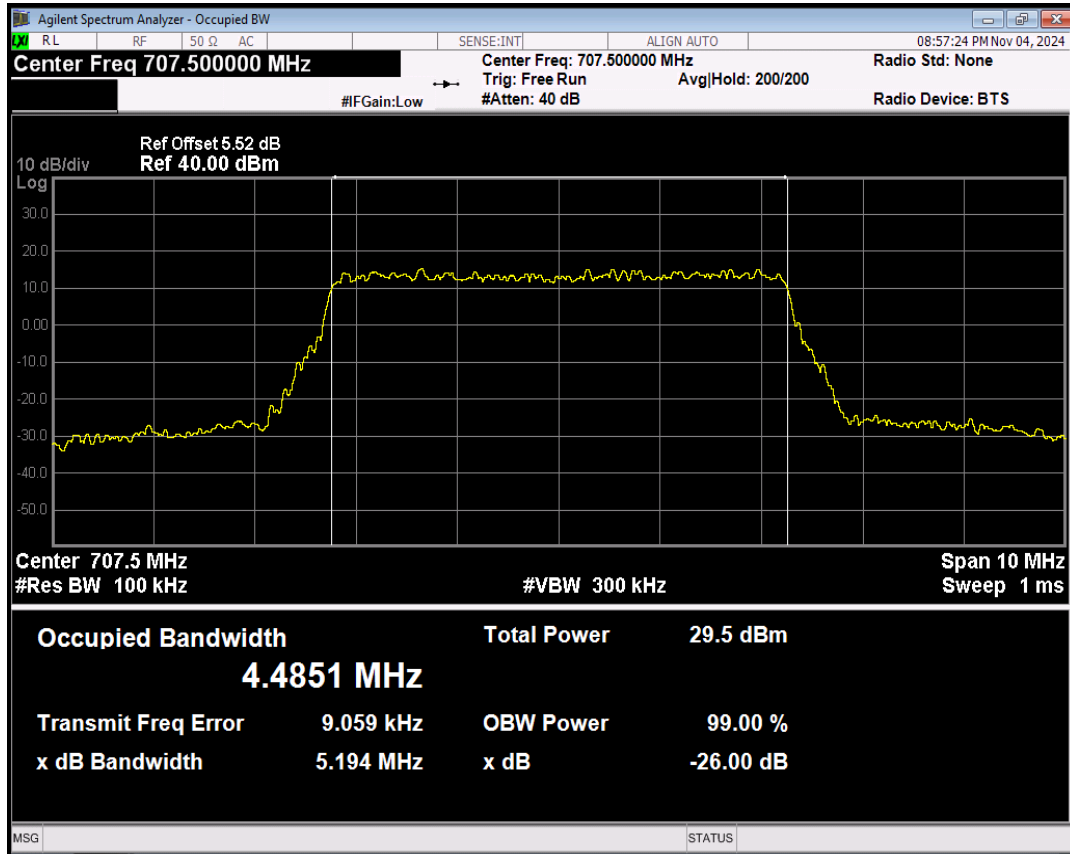
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



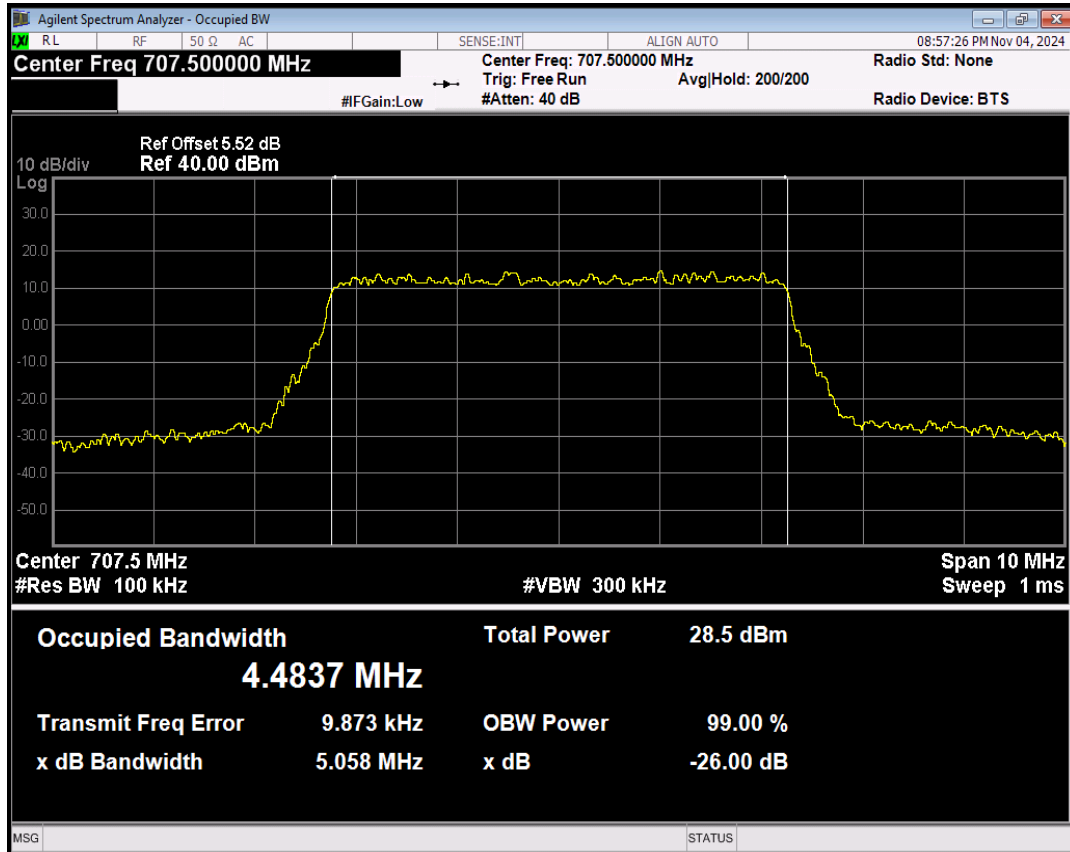
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



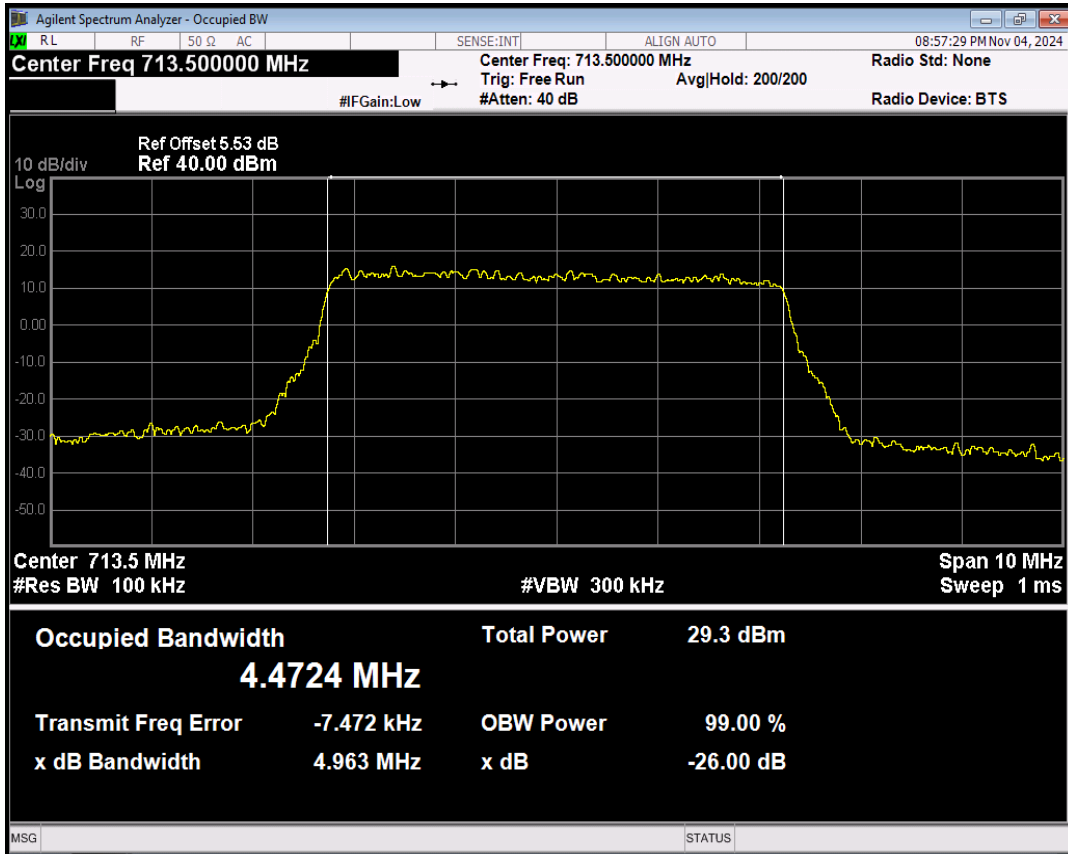
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



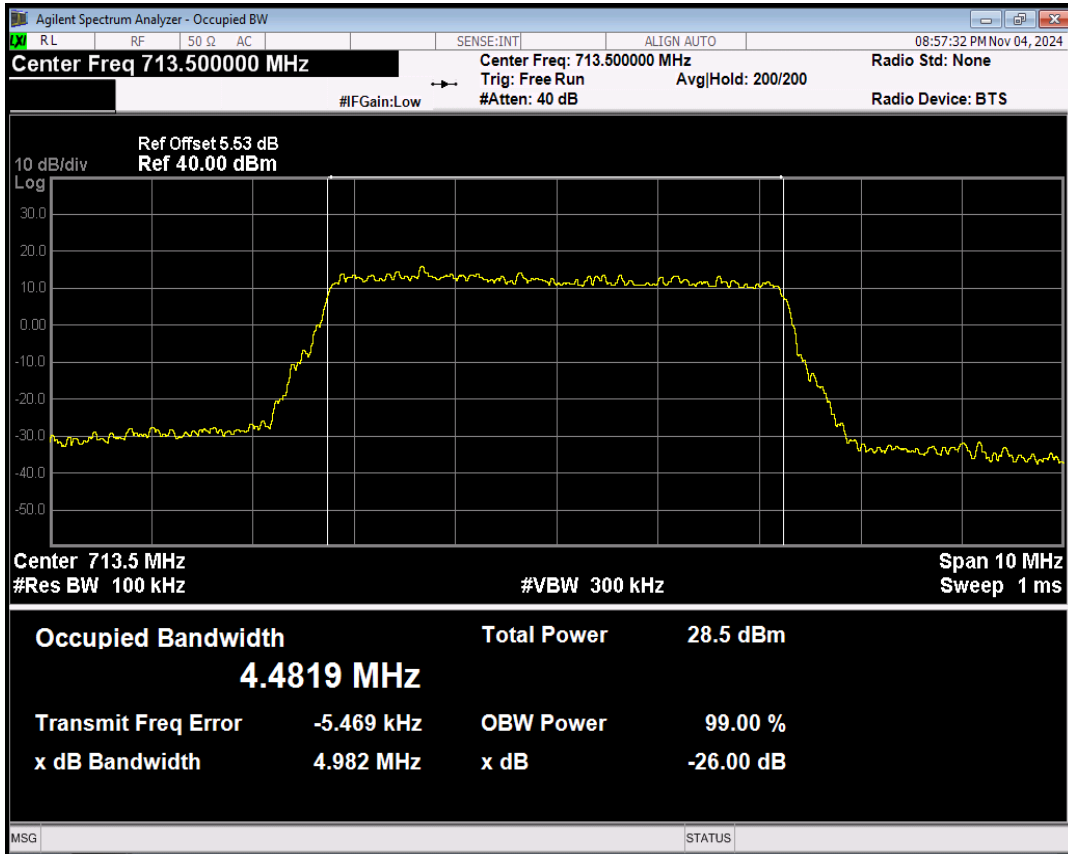
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



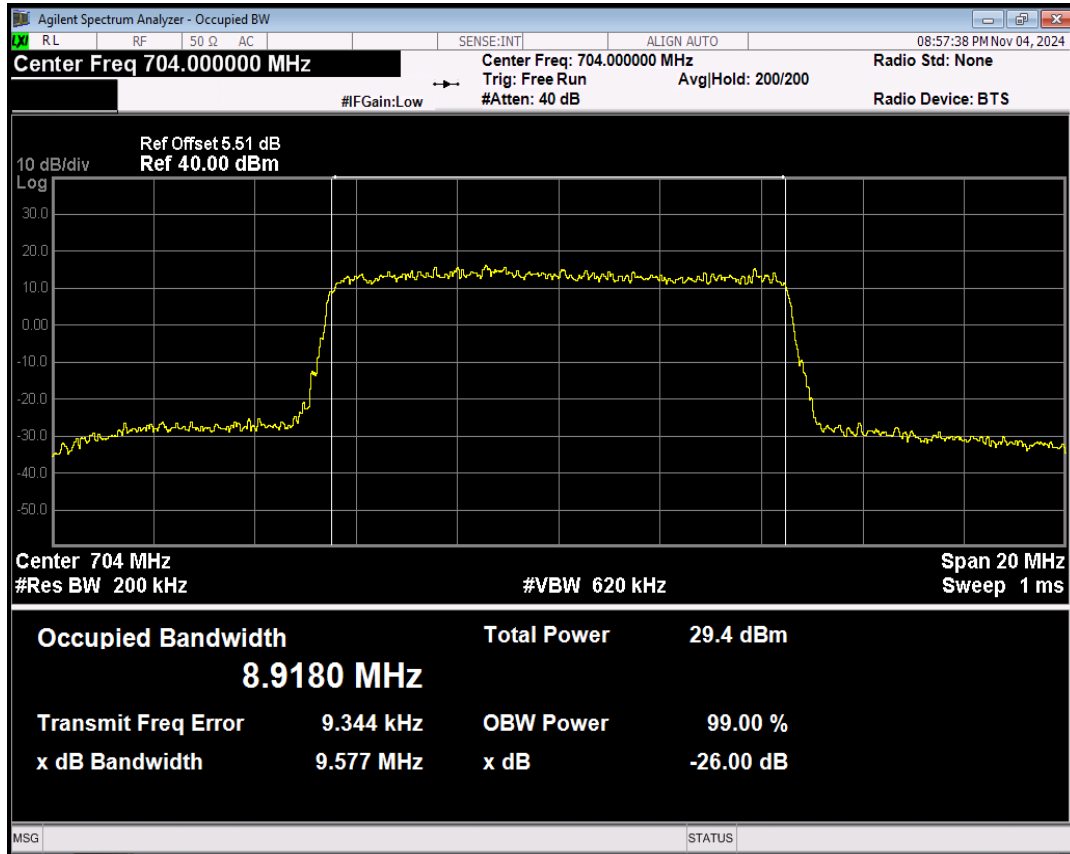
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



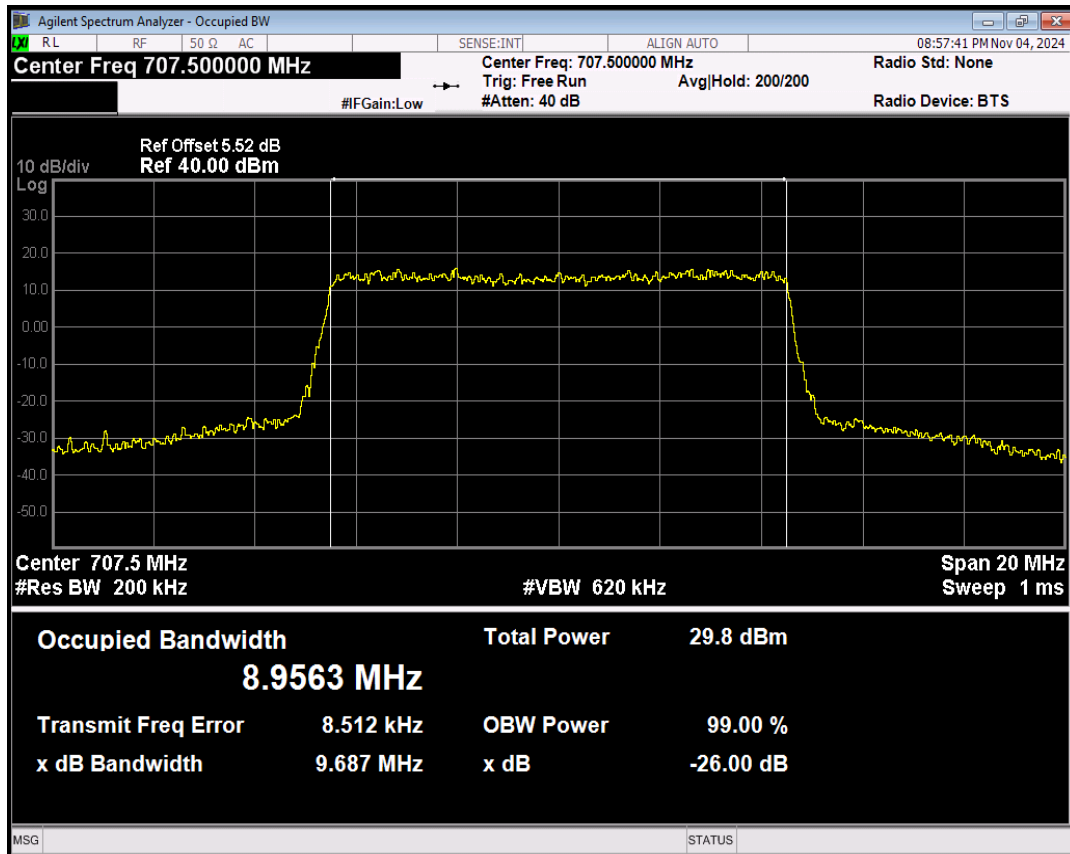
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



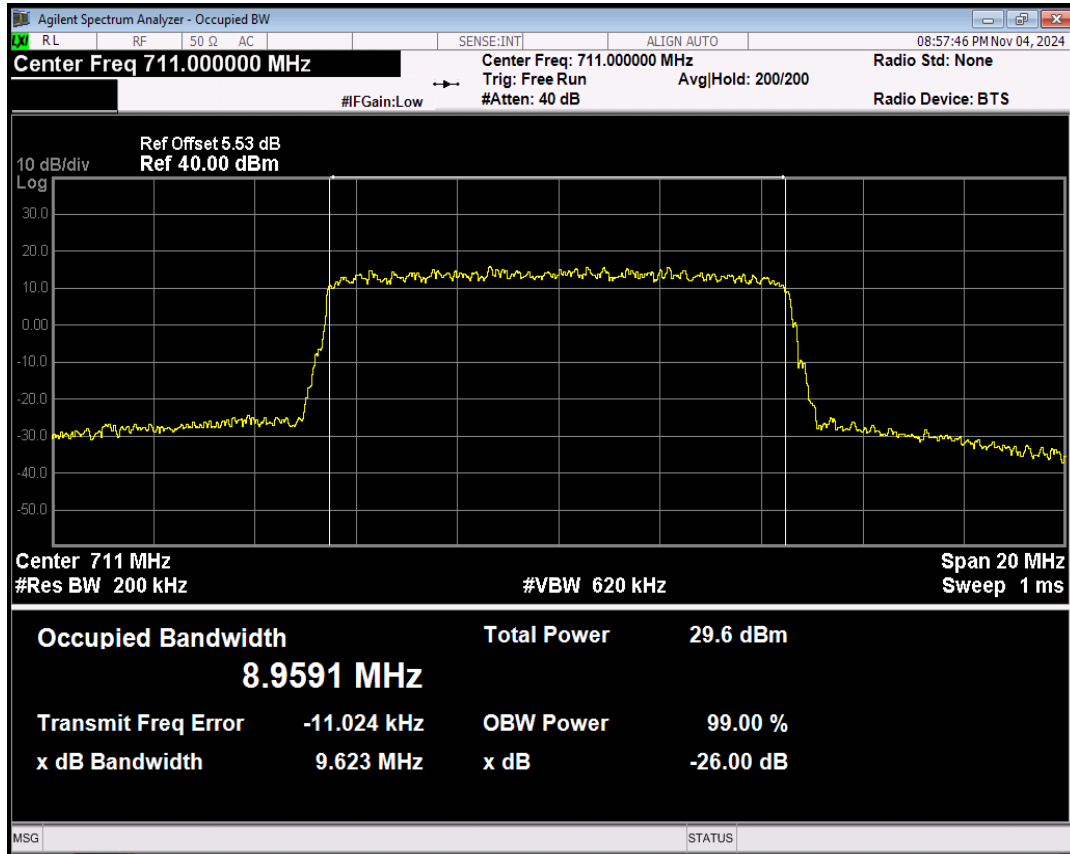
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



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



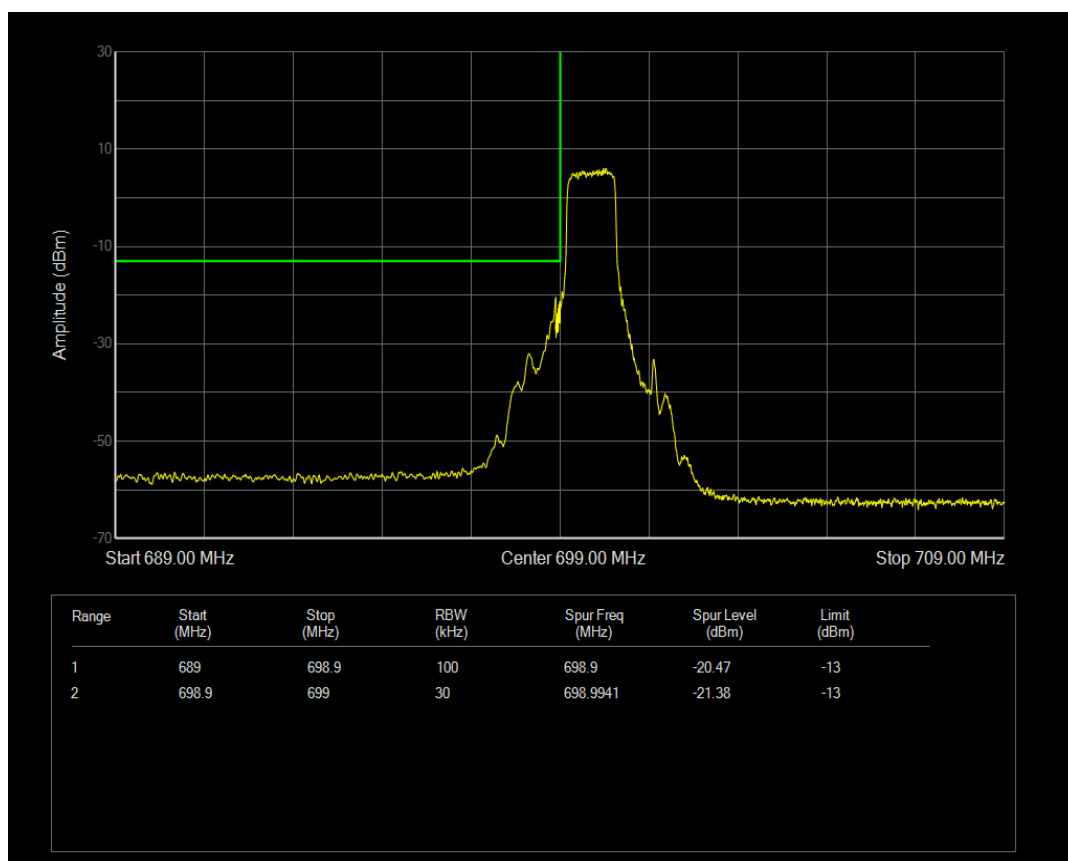
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



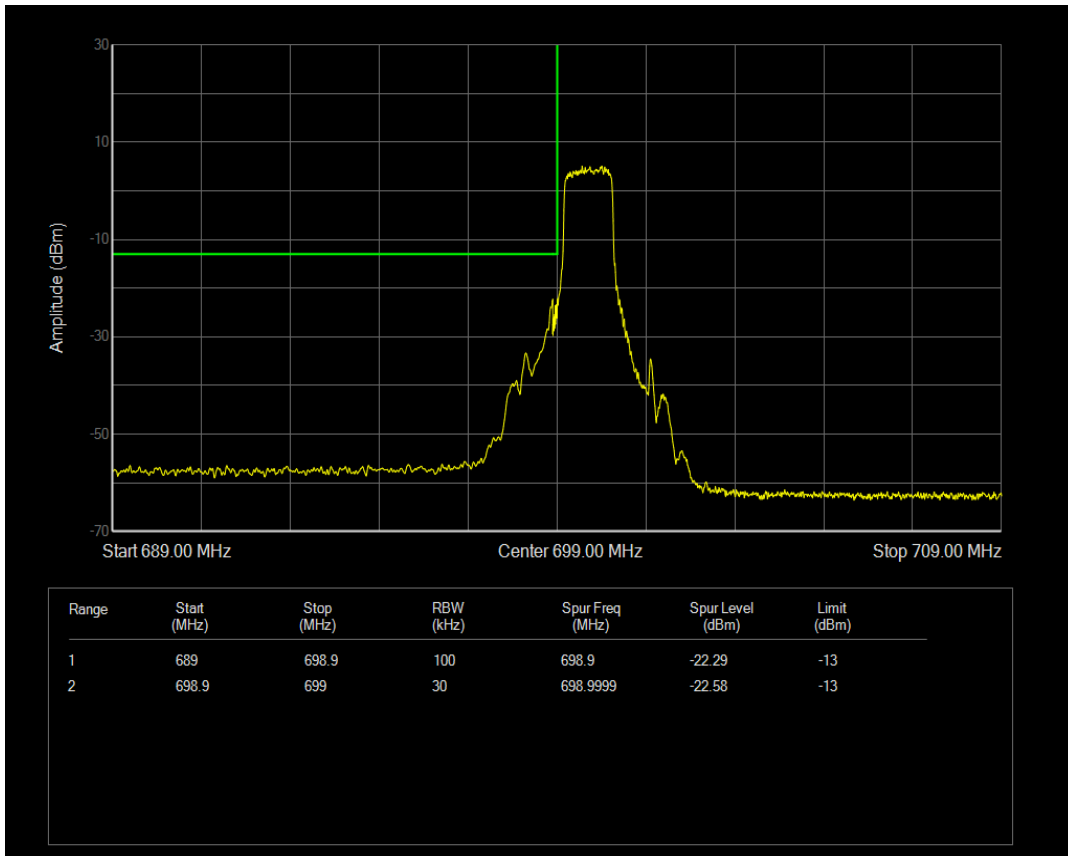
Appendix 5. Band edge

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	698.90	-20.47	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.90	-22.29	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.00	-21.06	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.01	-22.52	-13	PASS
Band12	3	23025	15	#0	QPSK	698.99	-24.07	-13	PASS
Band12	3	23025	15	#0	16QAM	698.90	-23.50	-13	PASS
Band12	3	23165	15	#0	QPSK	716.01	-24.95	-13	PASS
Band12	3	23165	15	#0	16QAM	716.12	-23.45	-13	PASS
Band12	5	23035	25	#0	QPSK	699.00	-29.71	-13	PASS
Band12	5	23035	25	#0	16QAM	698.90	-30.03	-13	PASS
Band12	5	23155	25	#0	QPSK	716.01	-31.10	-13	PASS
Band12	5	23155	25	#0	16QAM	716.03	-32.18	-13	PASS
Band12	10	23060	50	#0	QPSK	698.79	-36.87	-13	PASS
Band12	10	23130	50	#0	QPSK	716.16	-37.42	-13	PASS

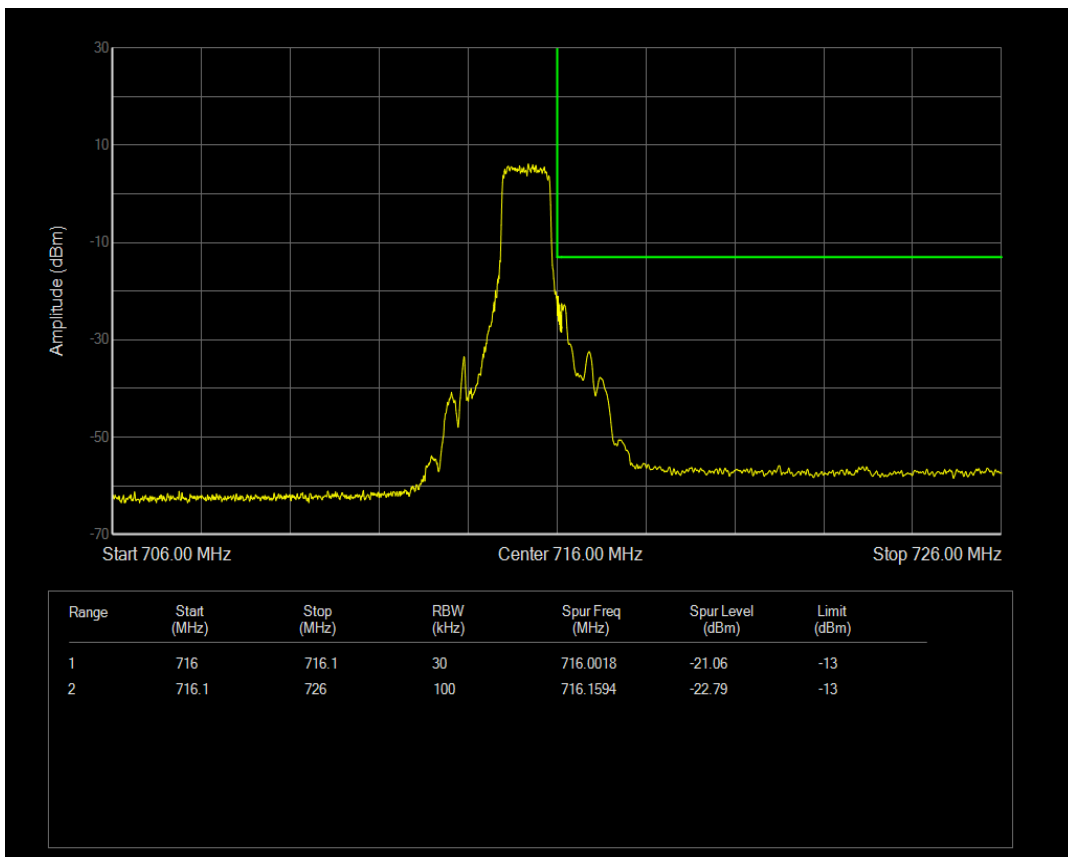
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



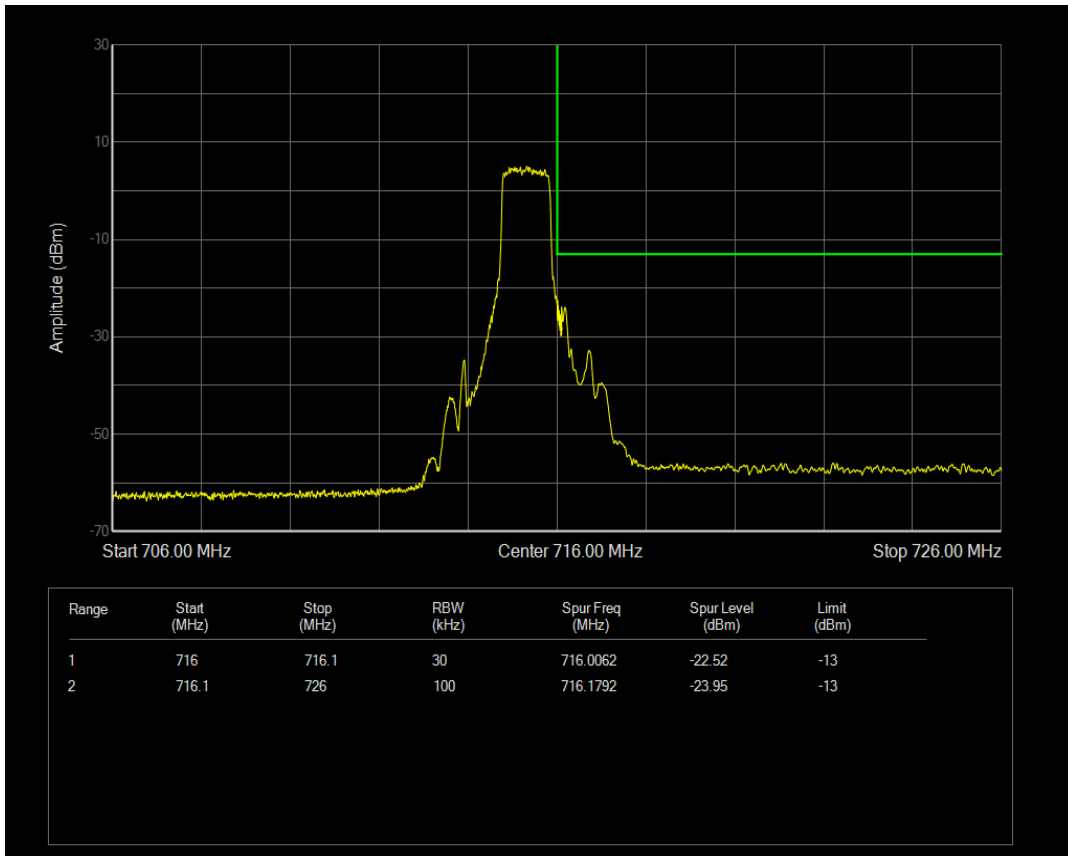
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



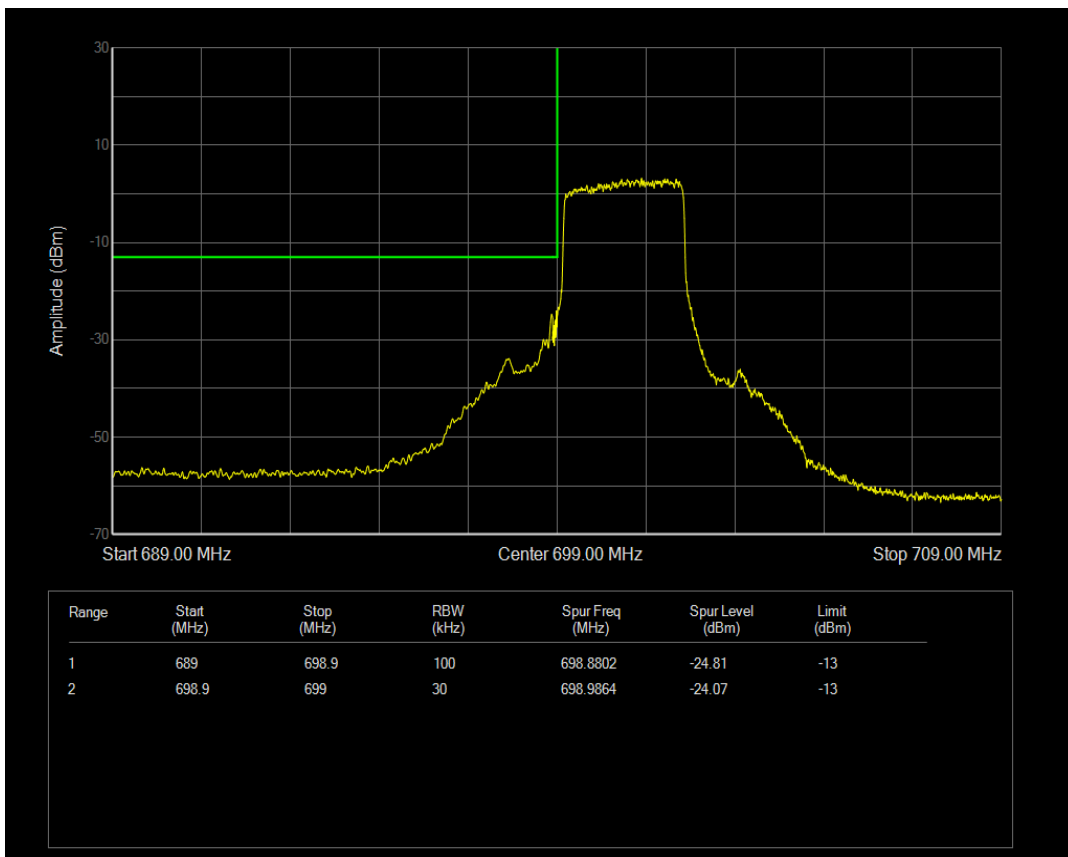
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



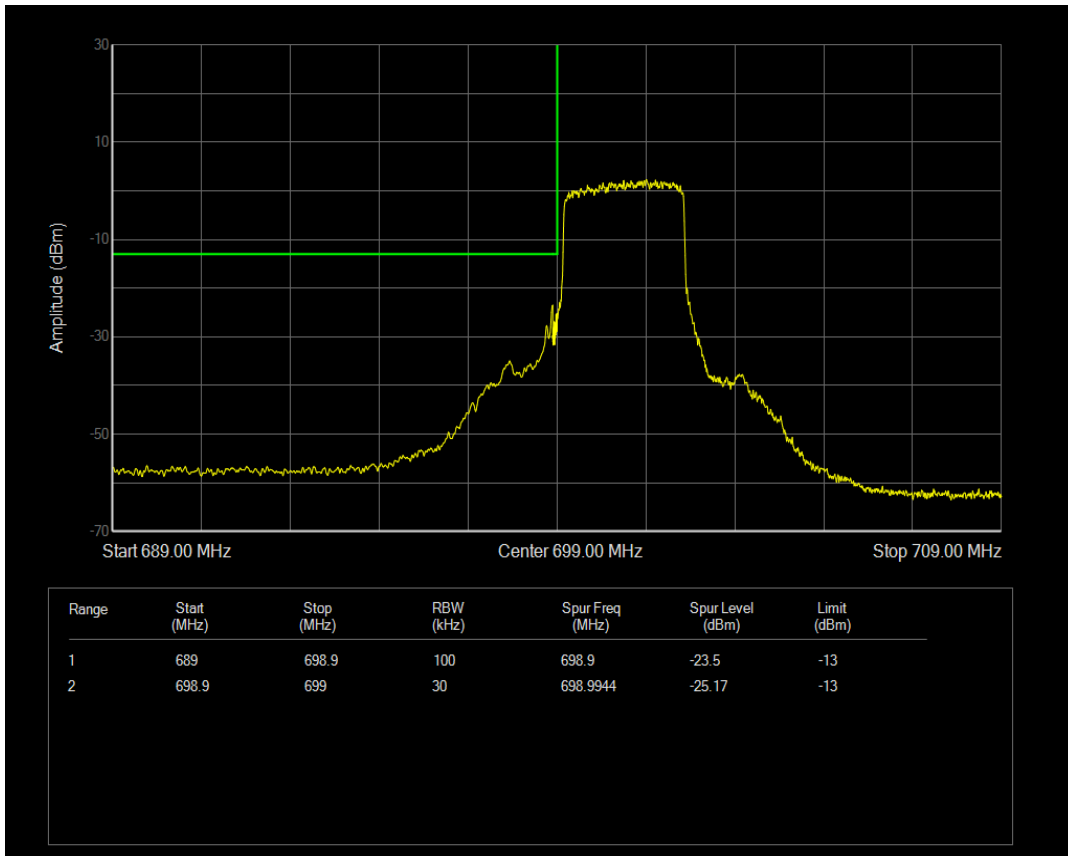
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



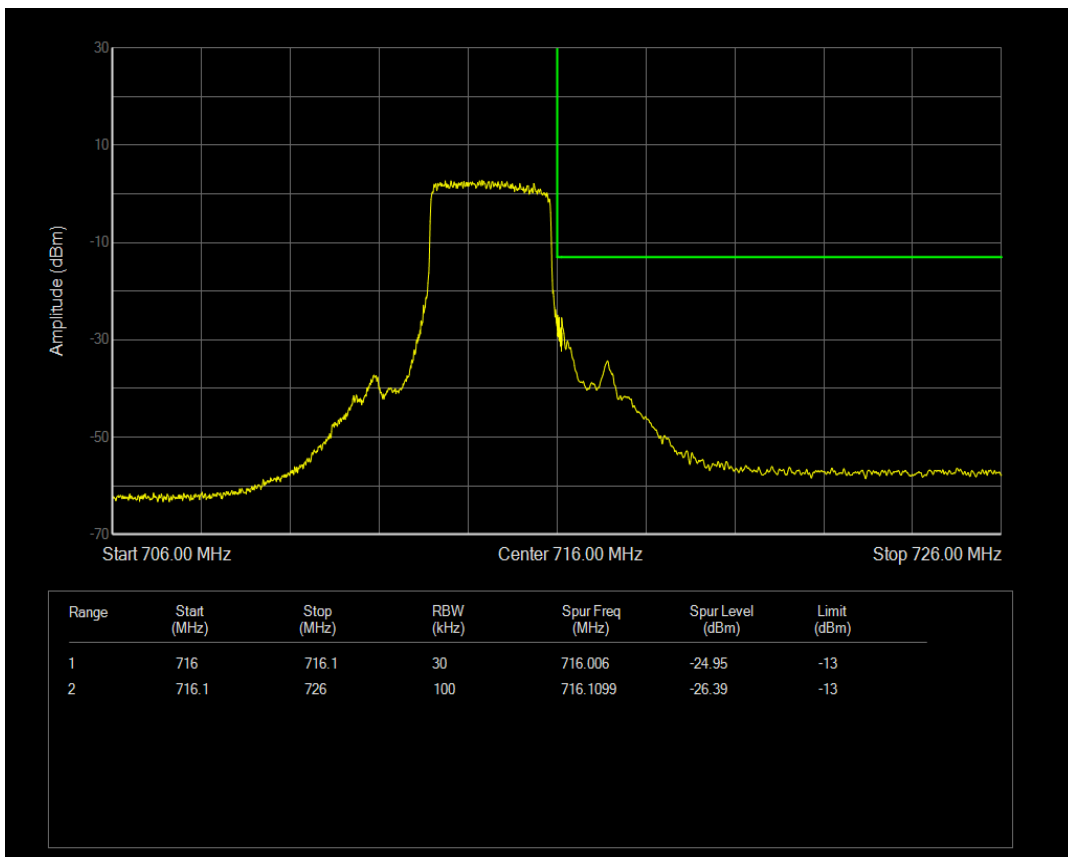
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



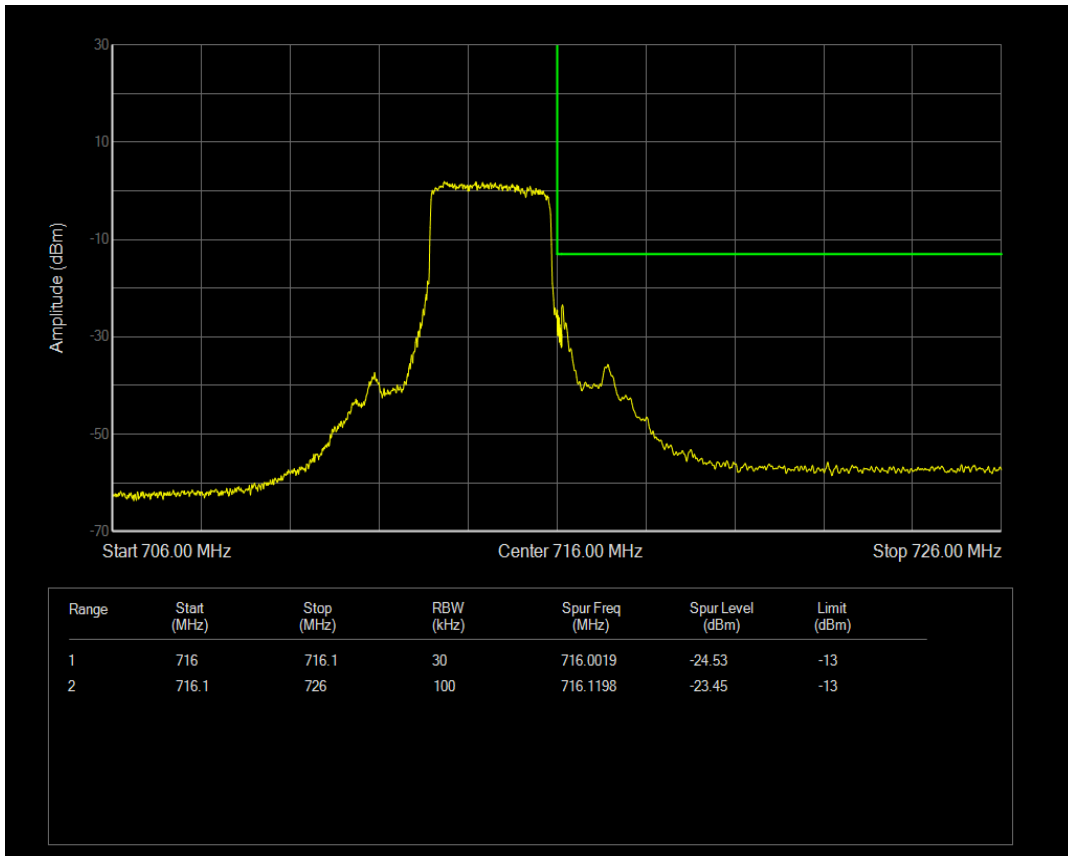
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



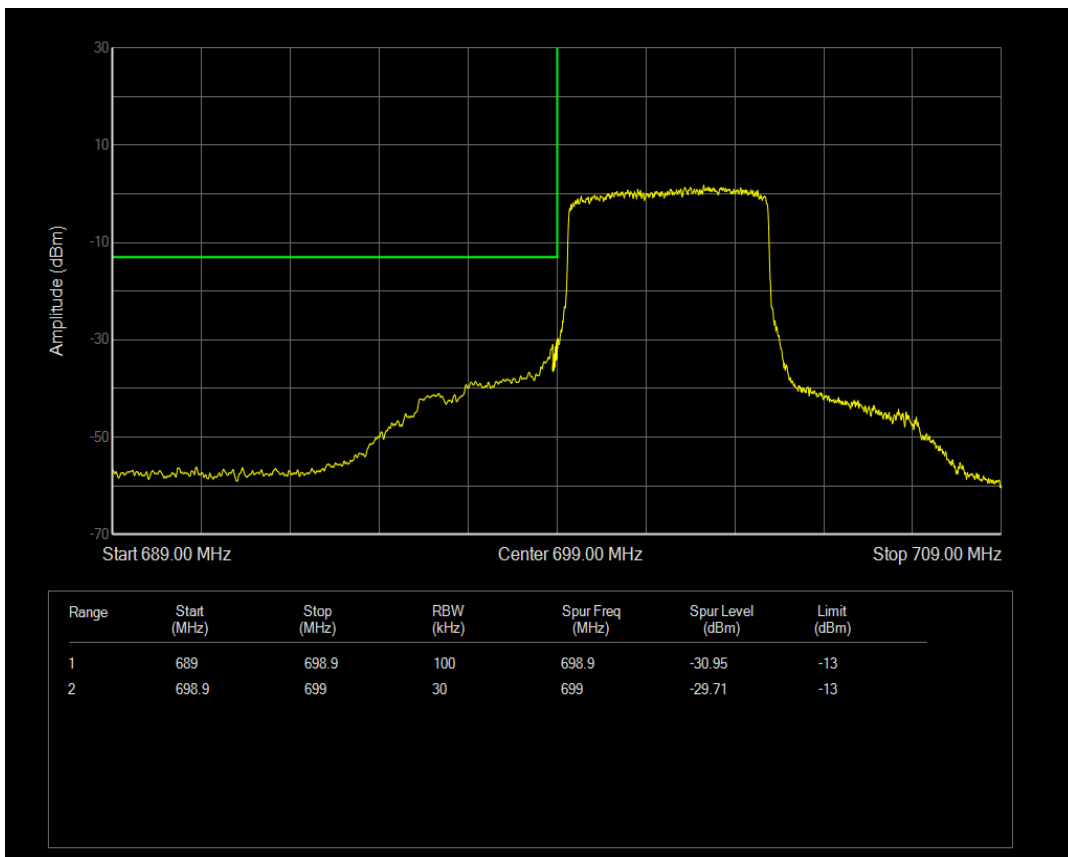
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



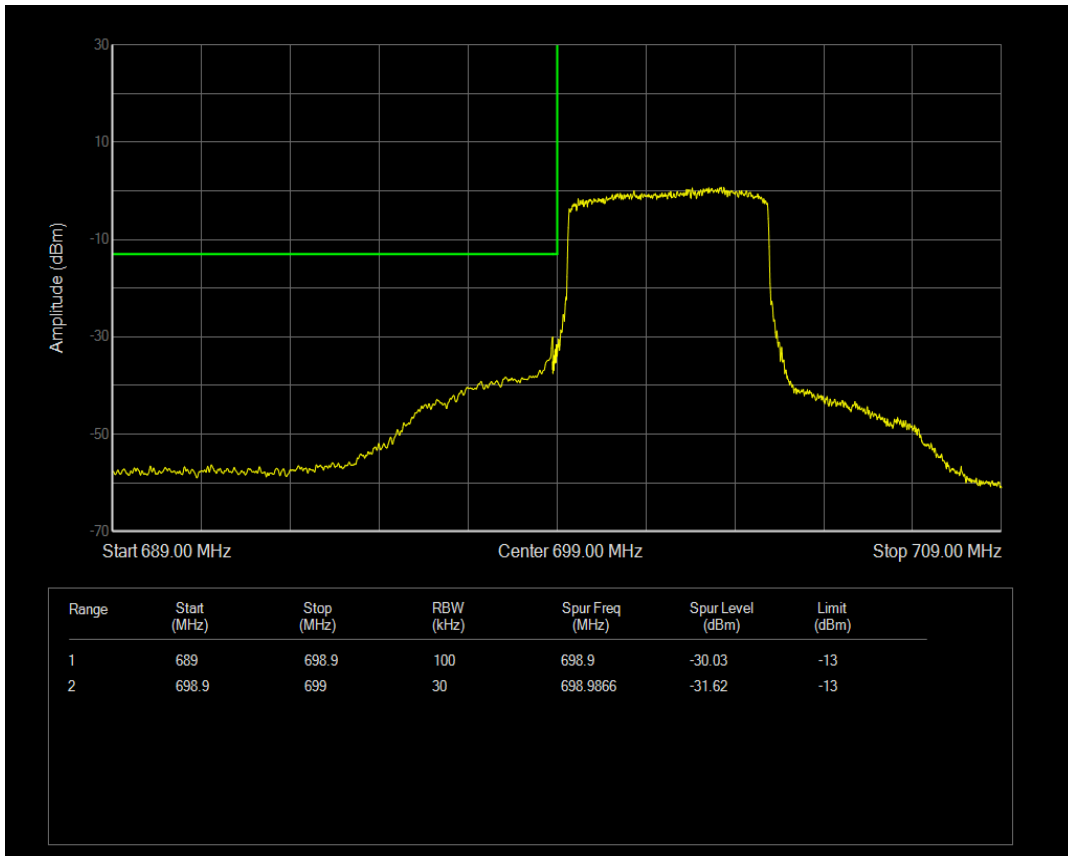
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



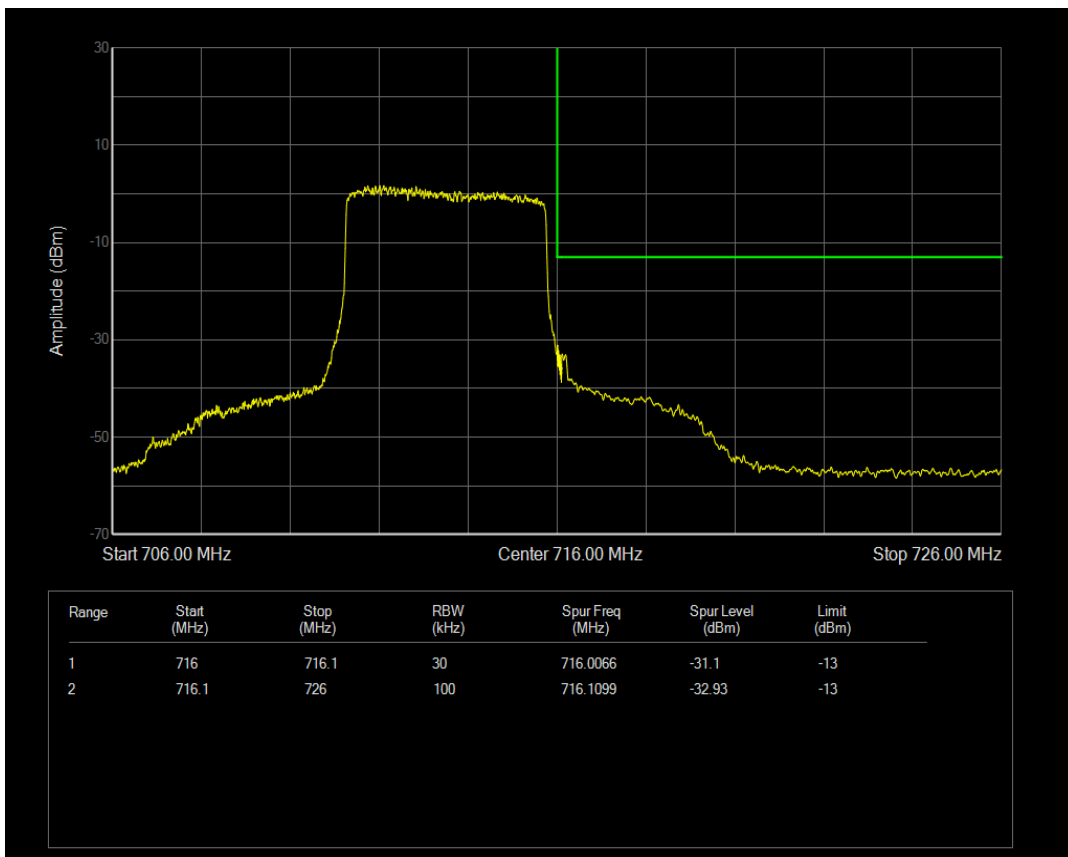
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



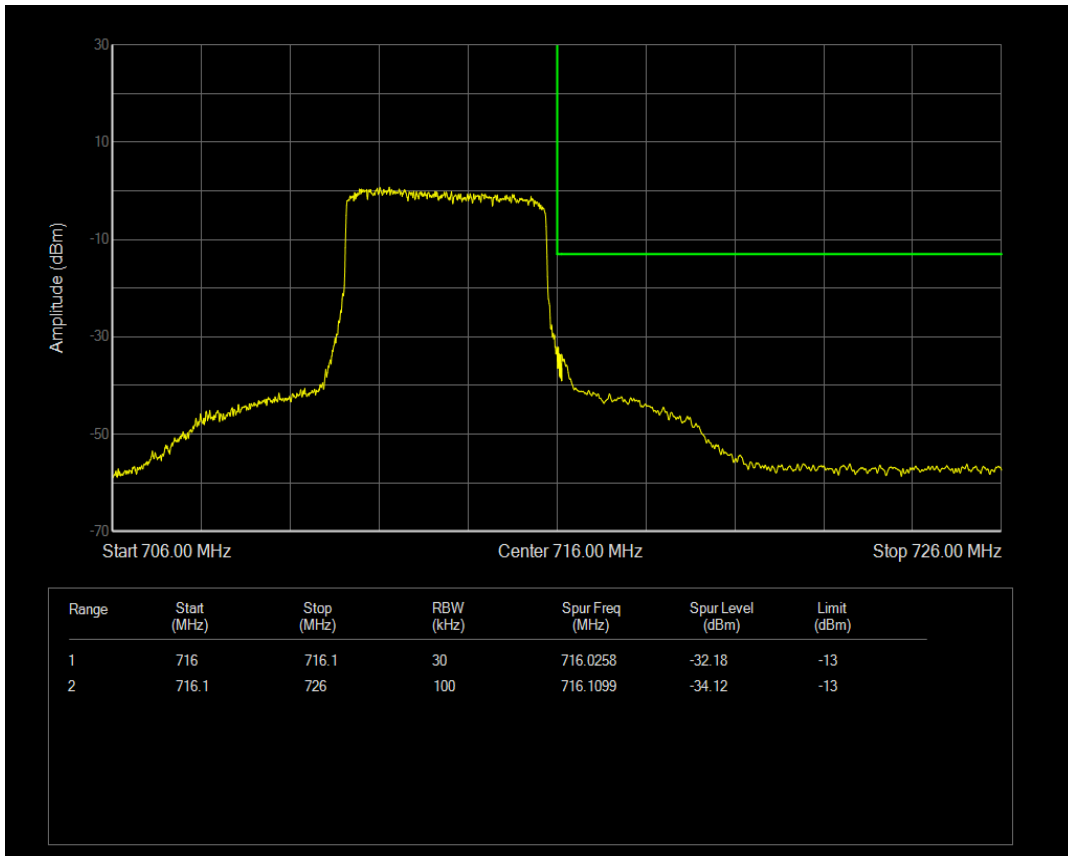
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



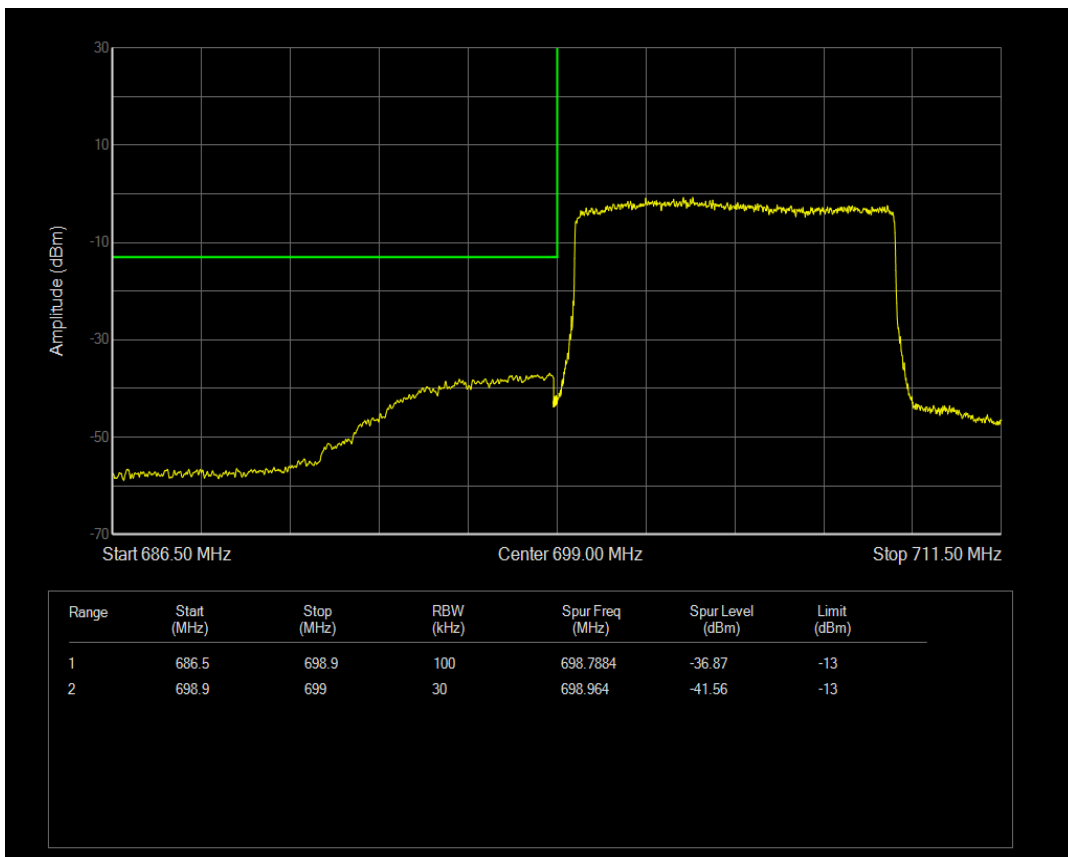
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



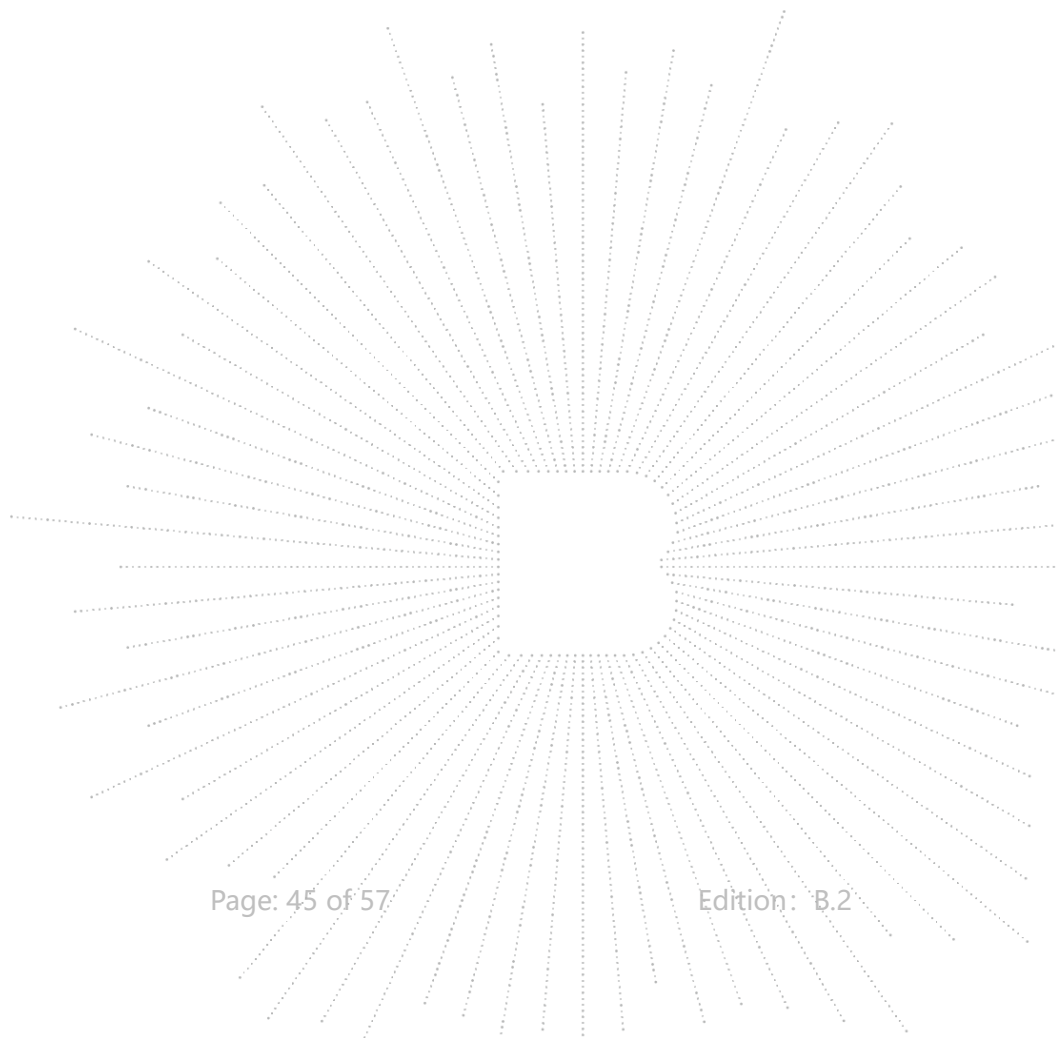
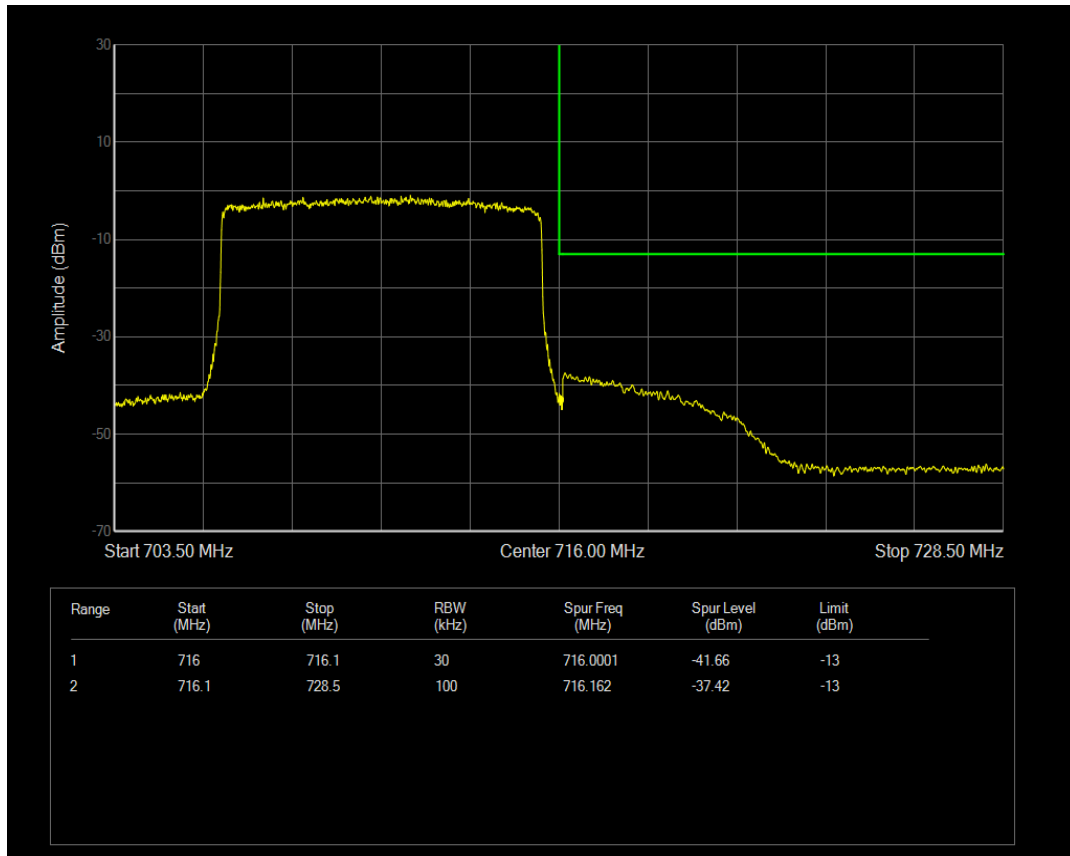
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



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



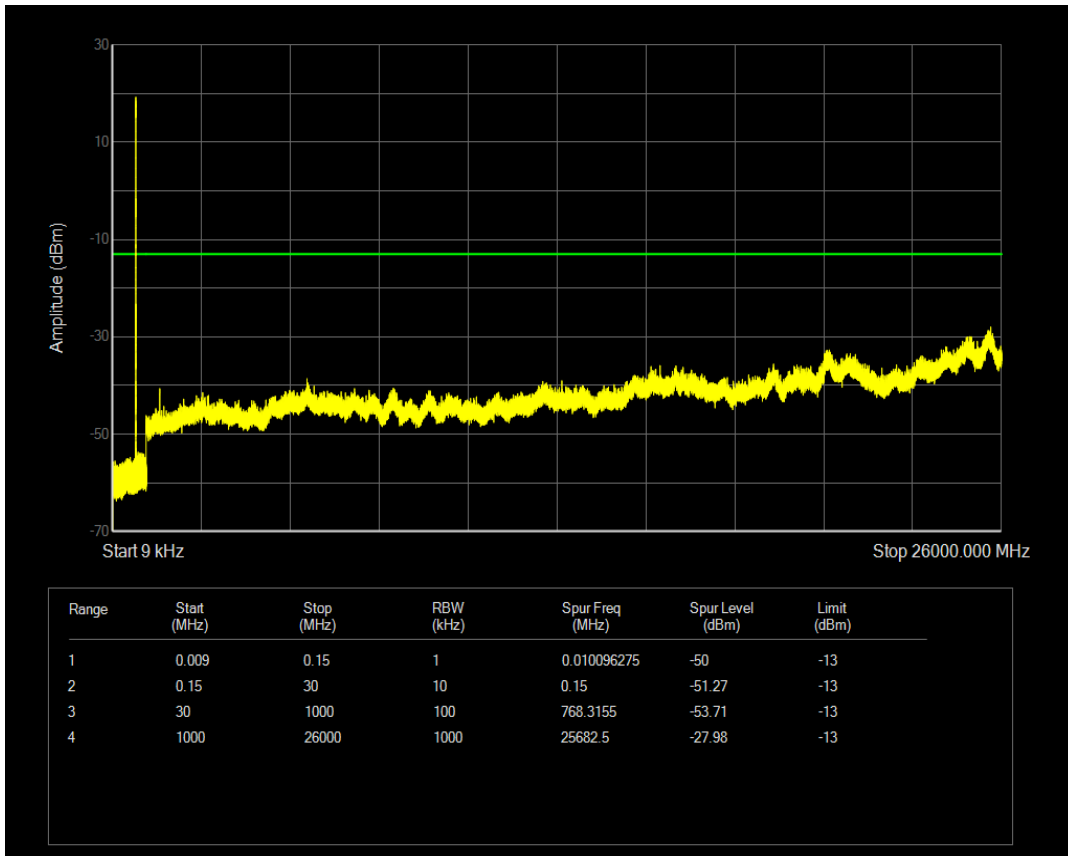
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



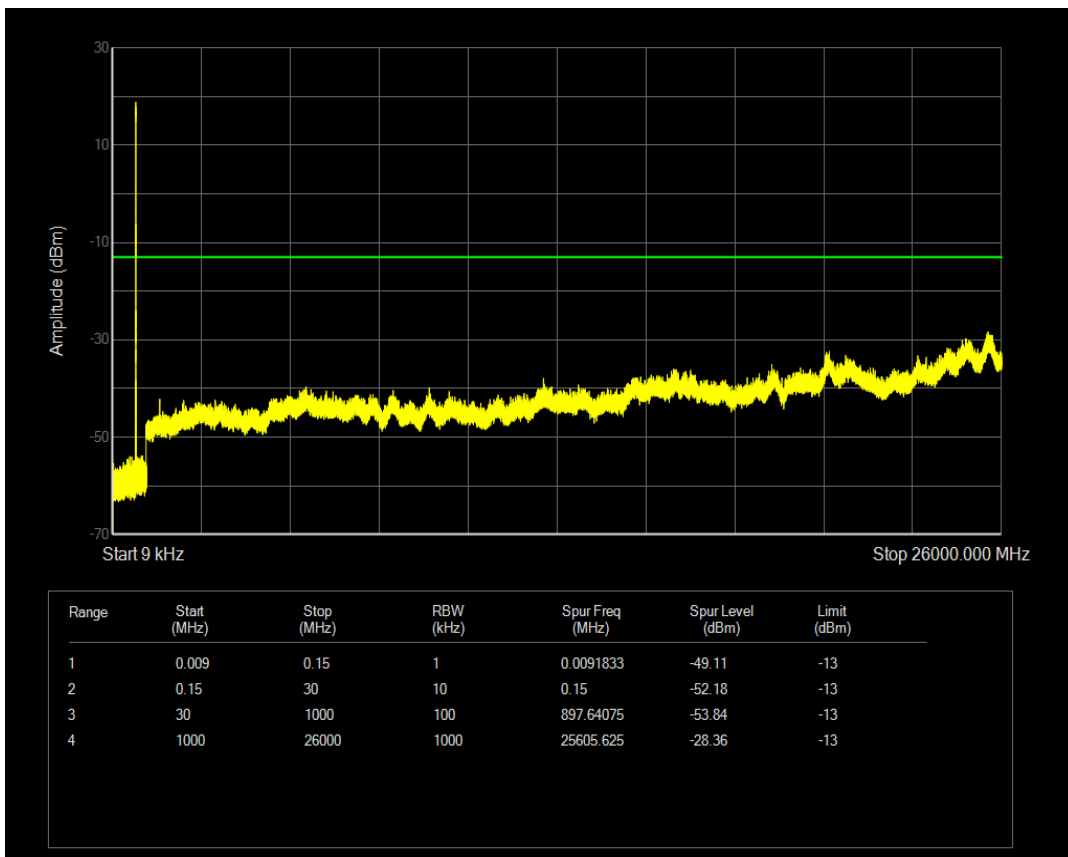
Appendix 6. Out-of-band emissions

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	25682.50	-27.98	-13	PASS
Band12	1.4	23017	6	#0	16QAM	25605.63	-28.36	-13	PASS
Band12	1.4	23095	6	#0	QPSK	25581.88	-28.56	-13	PASS
Band12	1.4	23095	6	#0	16QAM	25683.13	-28.32	-13	PASS
Band12	1.4	23173	6	#0	QPSK	25626.88	-27.95	-13	PASS
Band12	1.4	23173	6	#0	16QAM	24946.25	-28.60	-13	PASS
Band12	3	23025	15	#0	QPSK	25606.25	-28.43	-13	PASS
Band12	3	23025	15	#0	16QAM	25597.50	-28.01	-13	PASS
Band12	3	23095	15	#0	QPSK	25593.13	-28.25	-13	PASS
Band12	3	23095	15	#0	16QAM	25628.75	-28.24	-13	PASS
Band12	3	23165	15	#0	QPSK	25611.25	-27.92	-13	PASS
Band12	3	23165	15	#0	16QAM	25684.38	-26.51	-13	PASS
Band12	5	23035	25	#0	QPSK	25613.75	-27.71	-13	PASS
Band12	5	23035	25	#0	16QAM	25633.13	-28.47	-13	PASS
Band12	5	23095	25	#0	QPSK	25030.00	-28.32	-13	PASS
Band12	5	23095	25	#0	16QAM	25594.38	-27.98	-13	PASS
Band12	5	23155	25	#0	QPSK	25605.63	-28.44	-13	PASS
Band12	5	23155	25	#0	16QAM	25661.25	-28.12	-13	PASS
Band12	10	23060	50	#0	QPSK	25566.88	-28.40	-13	PASS
Band12	10	23095	50	#0	QPSK	25663.75	-27.85	-13	PASS
Band12	10	23130	50	#0	QPSK	25614.38	-28.27	-13	PASS

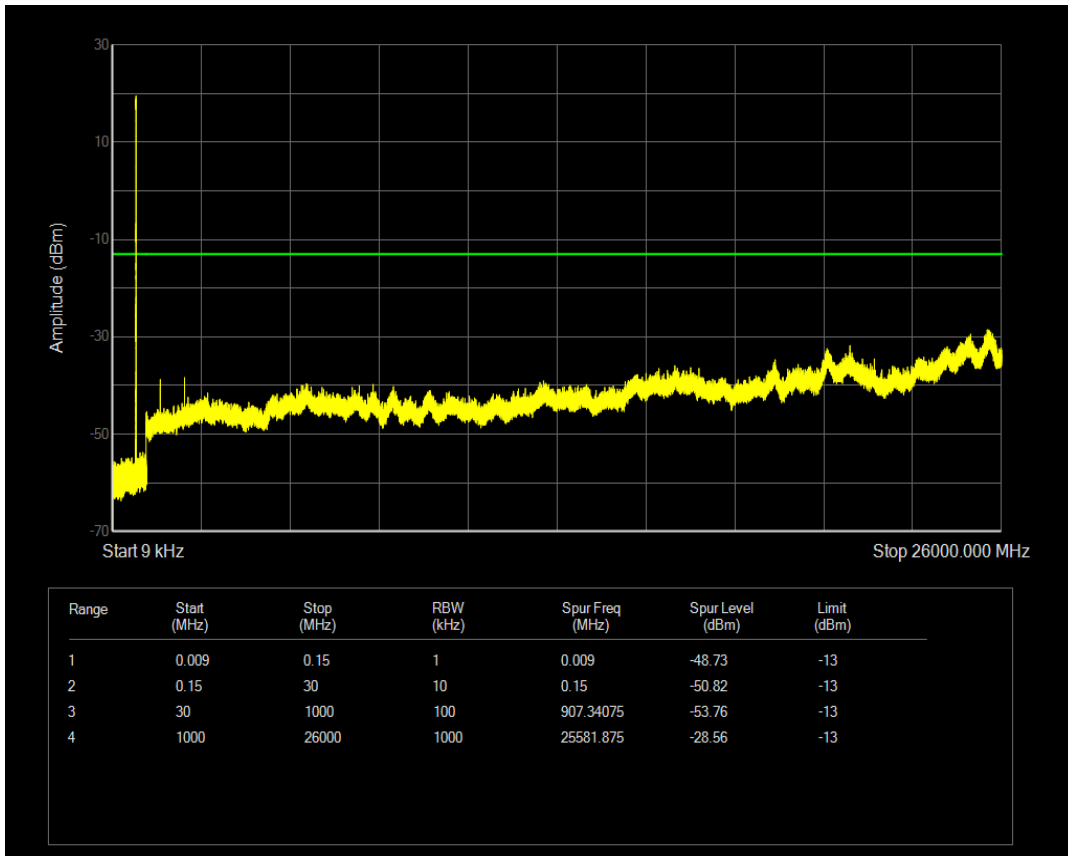
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



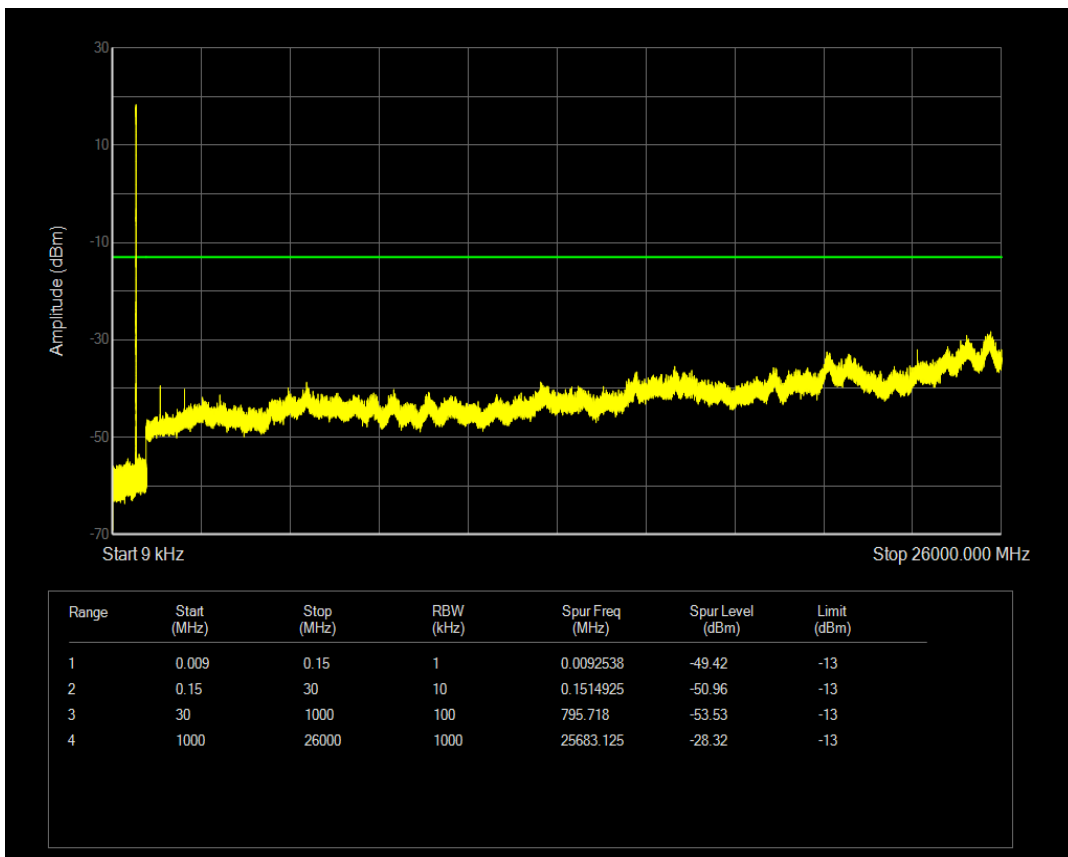
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



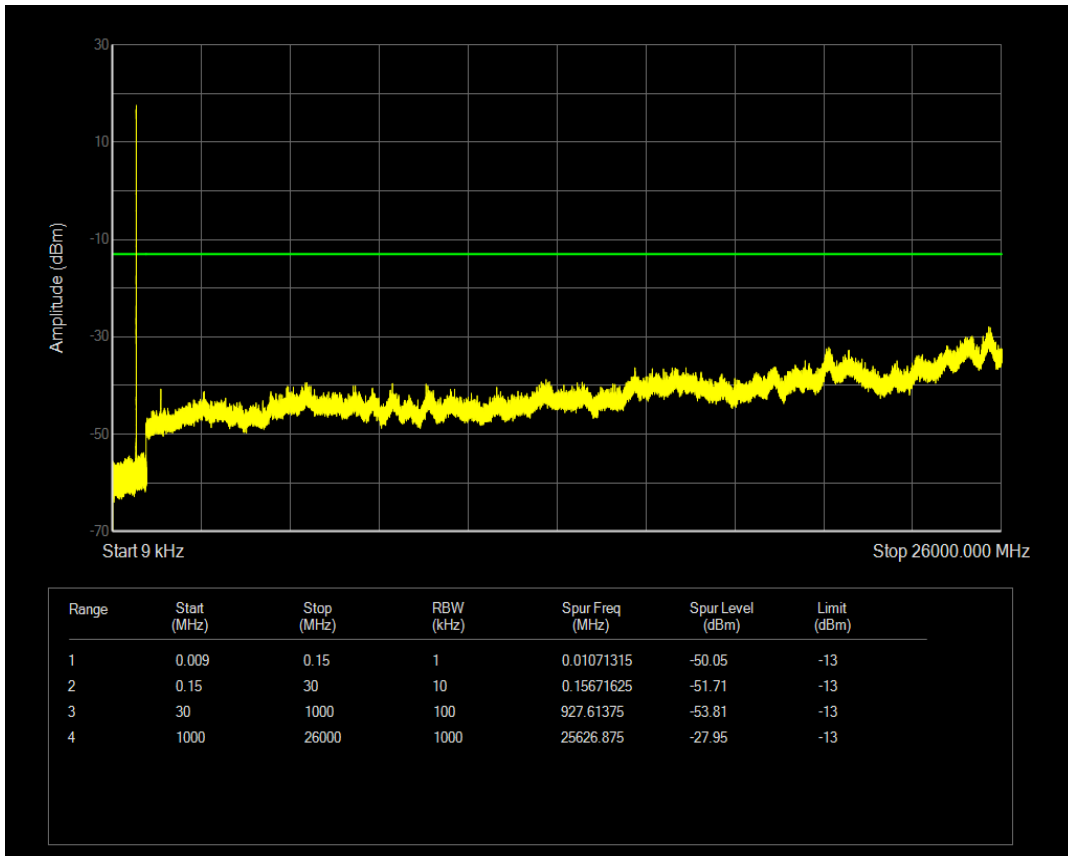
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



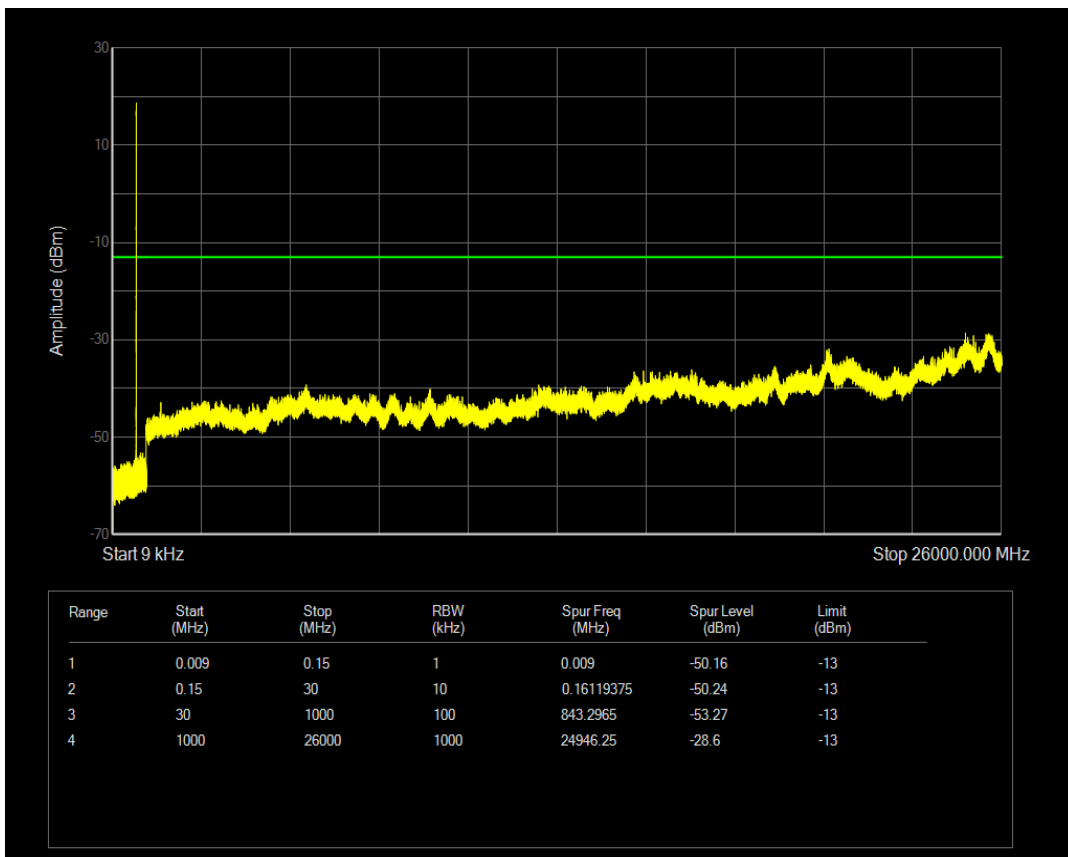
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



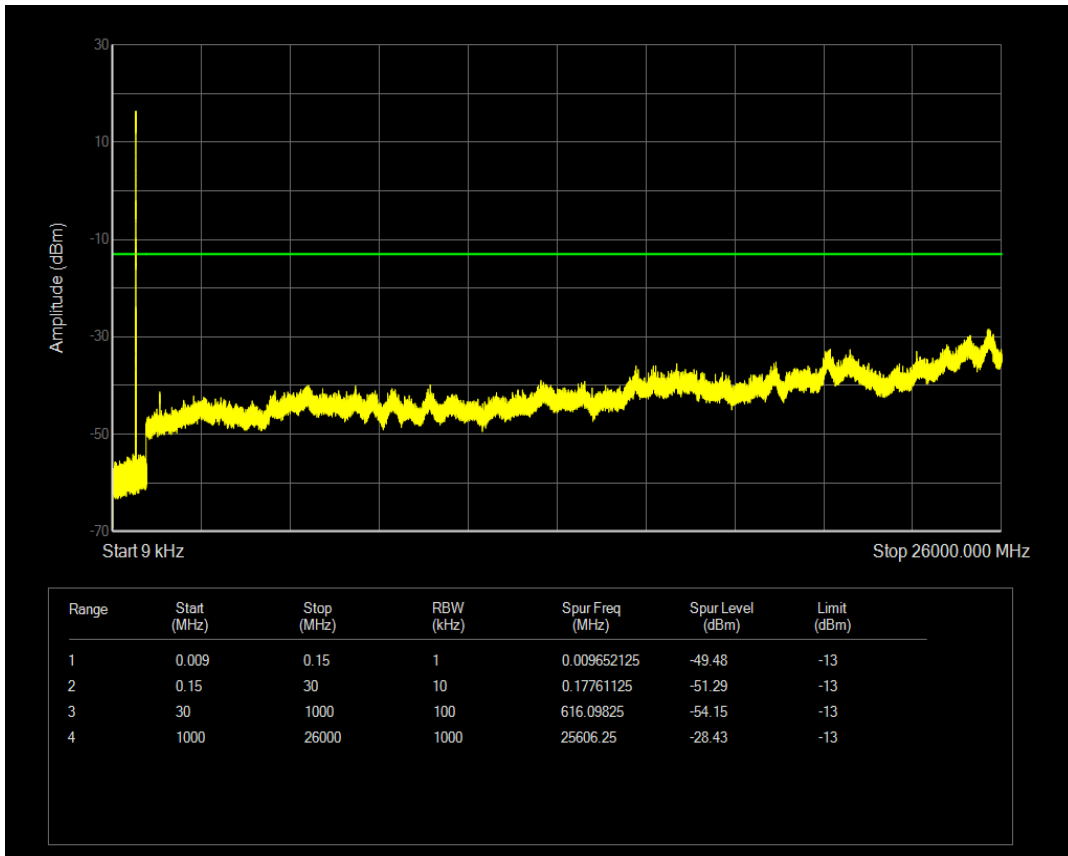
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



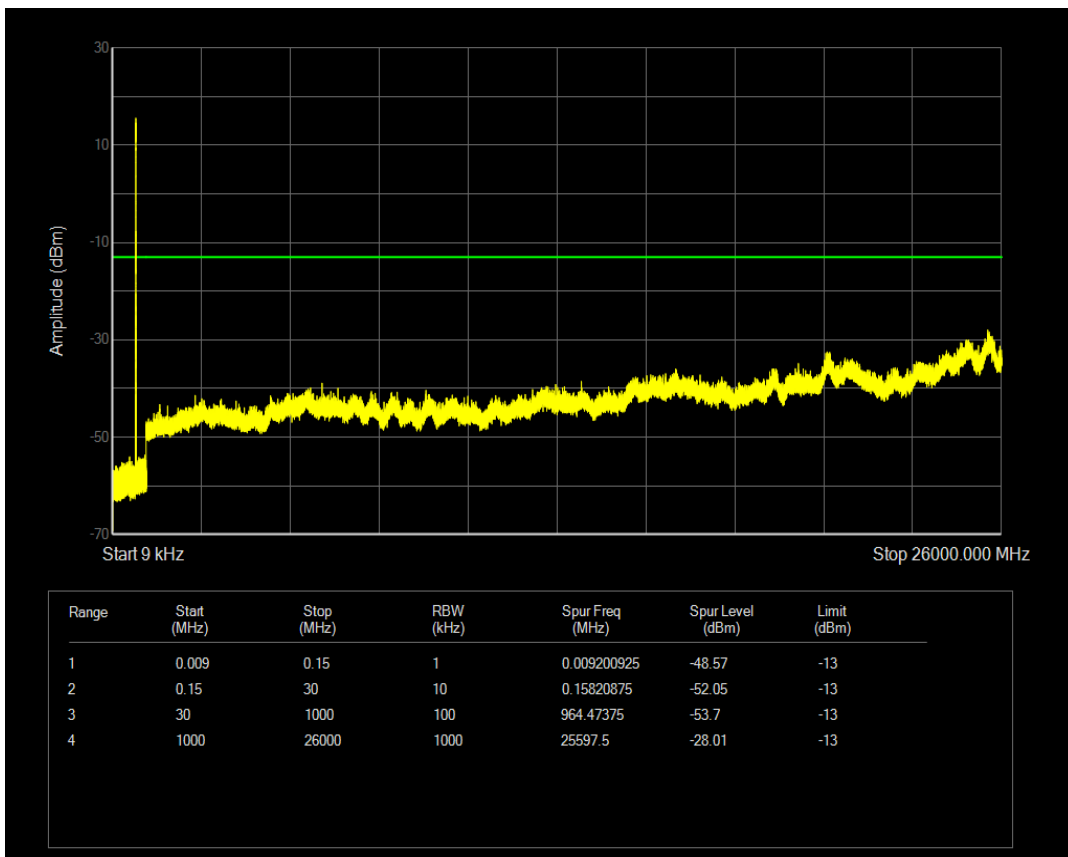
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



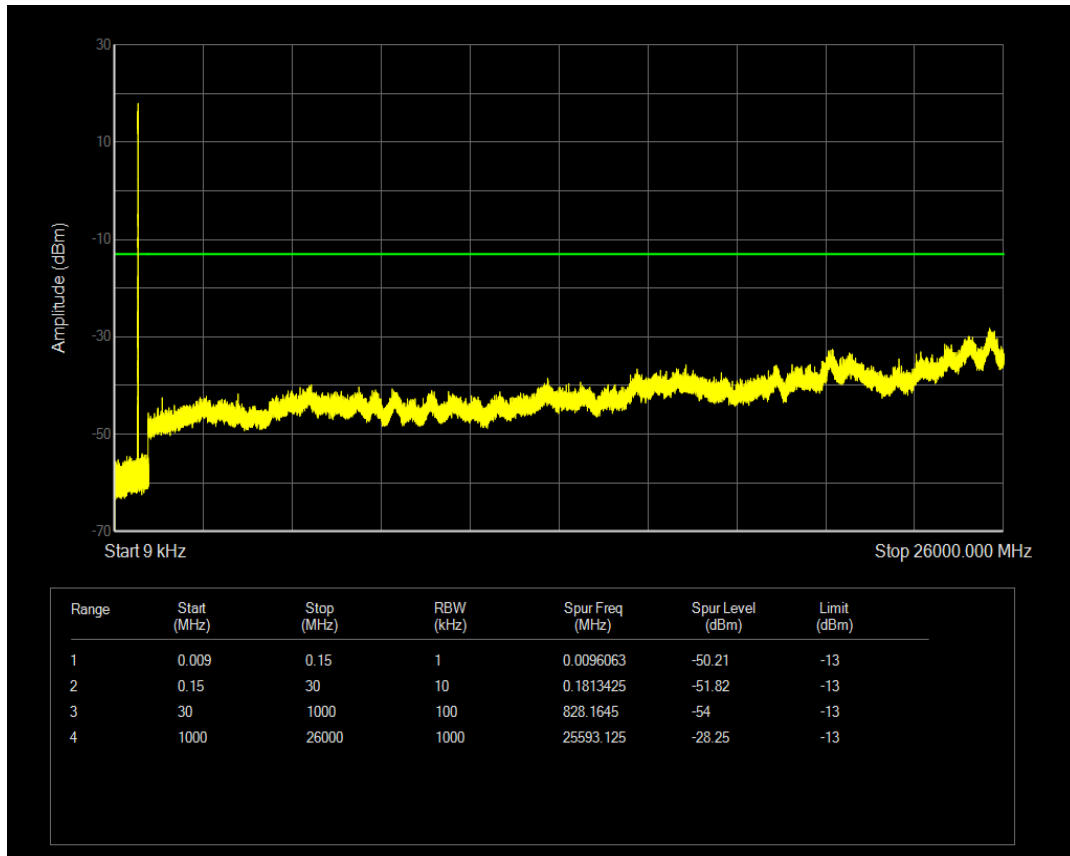
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



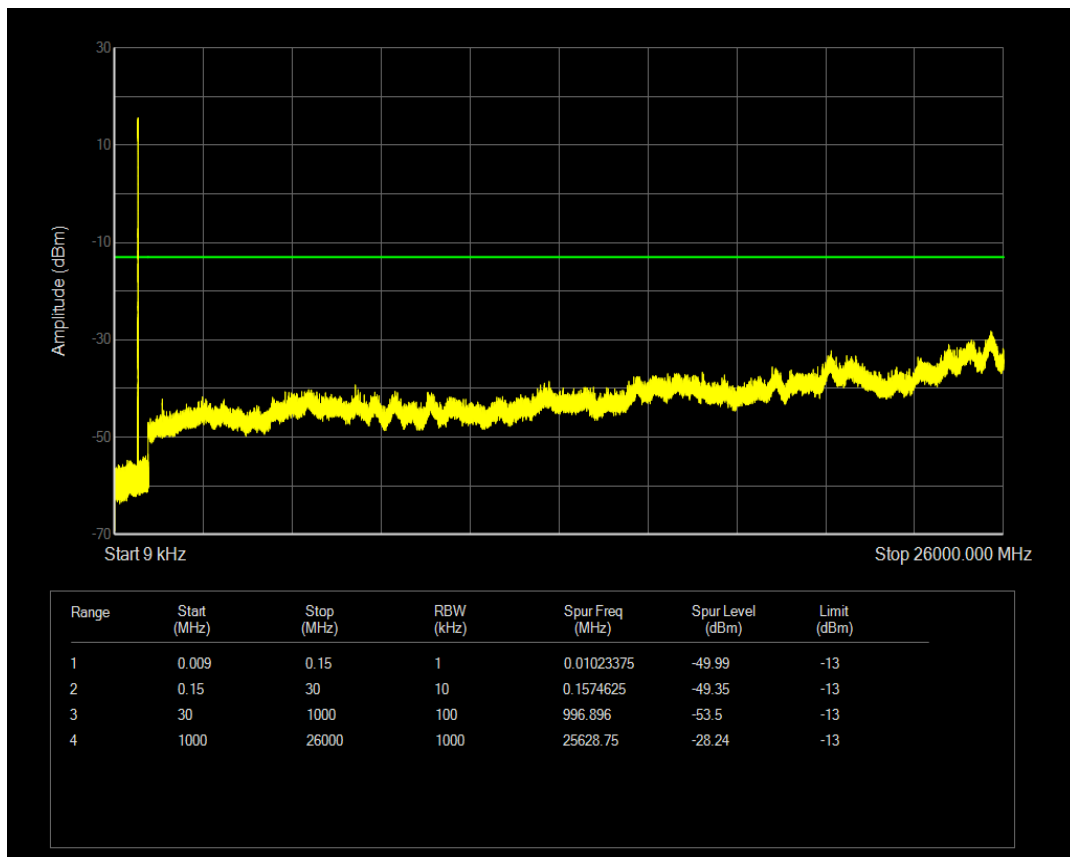
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



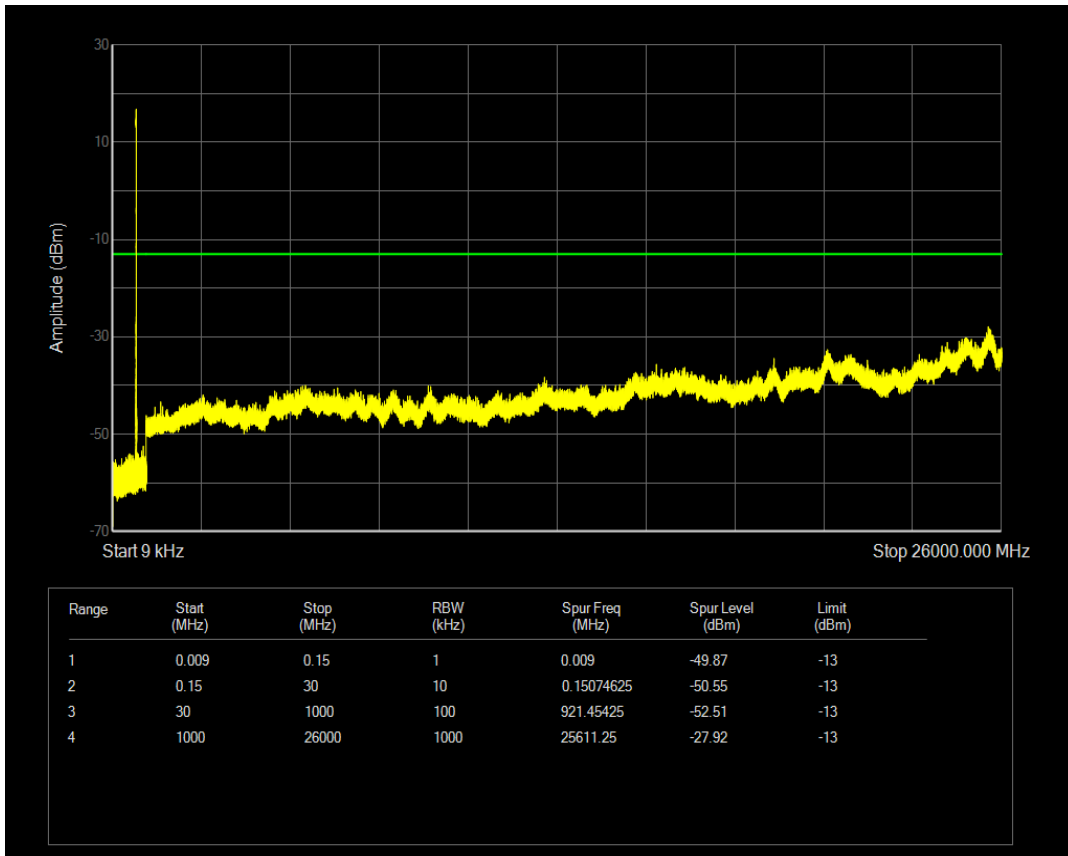
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



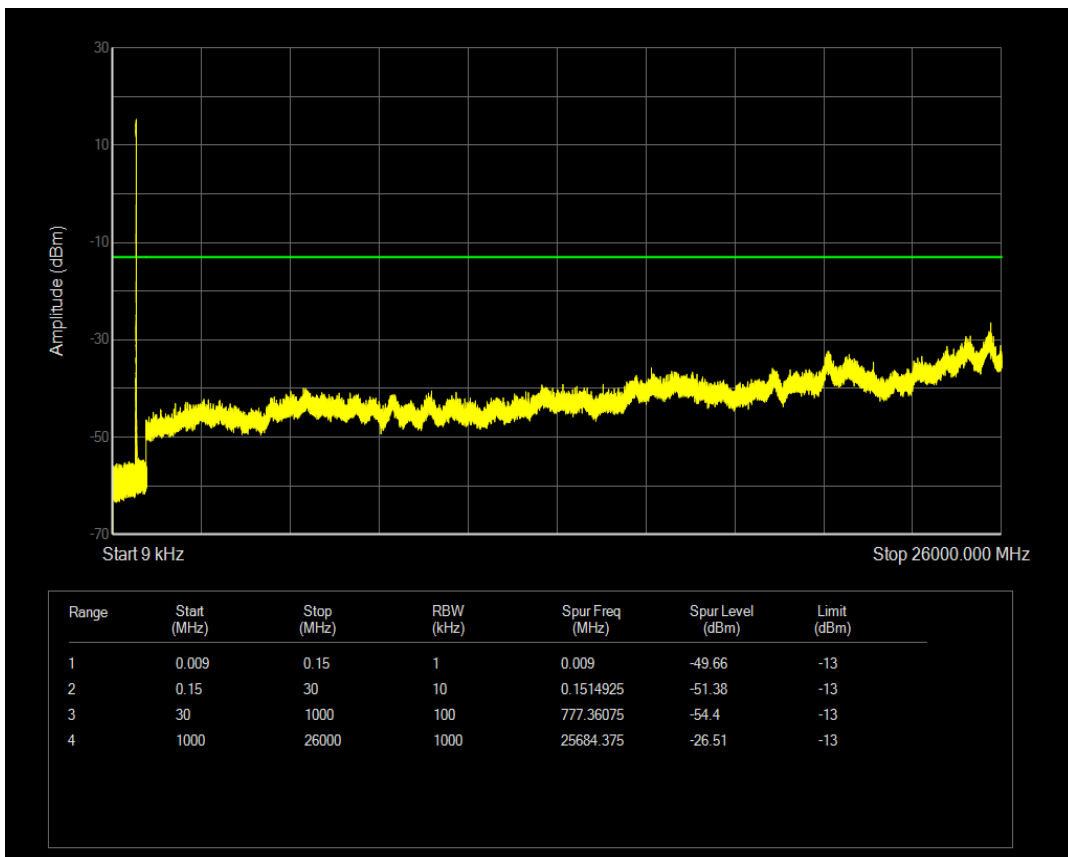
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



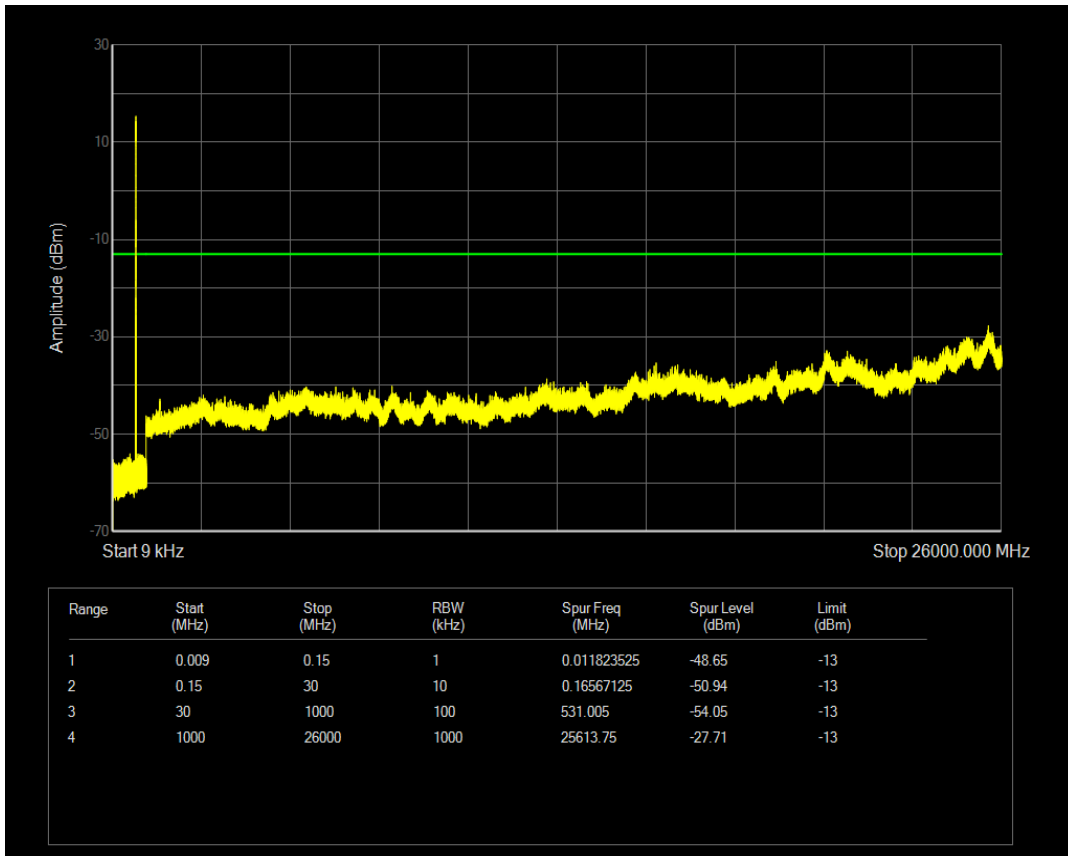
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



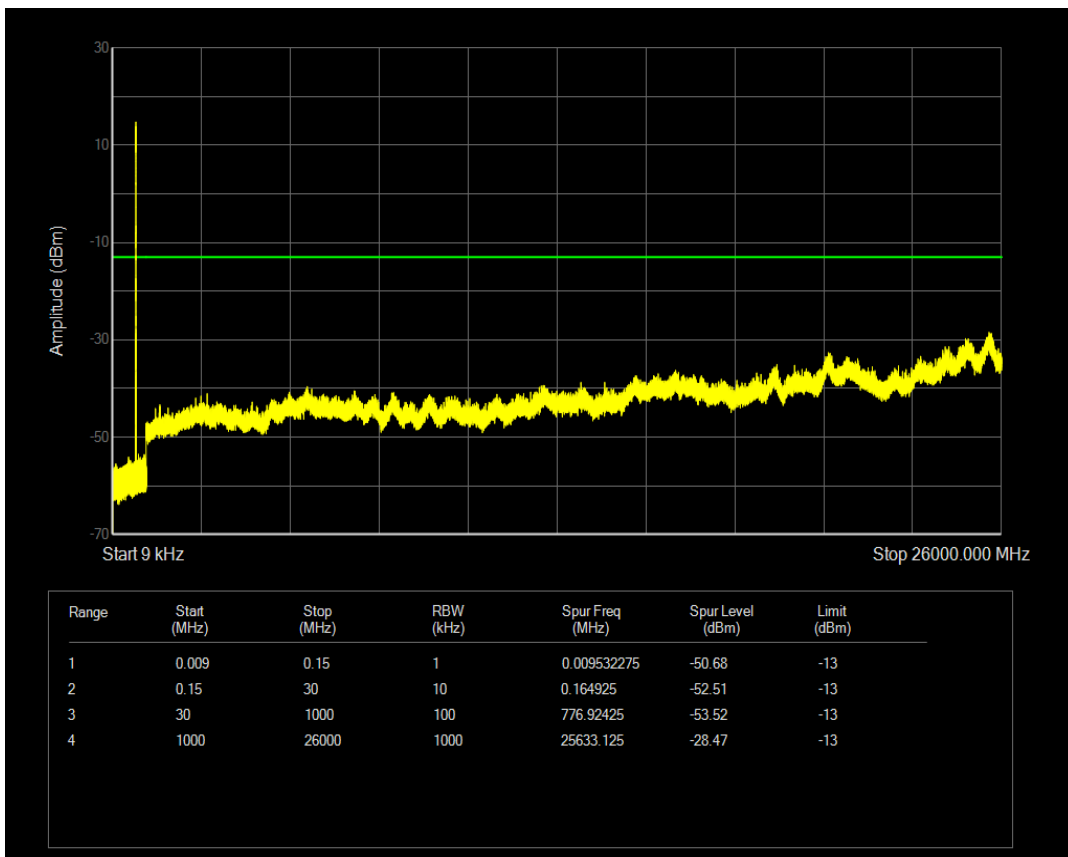
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



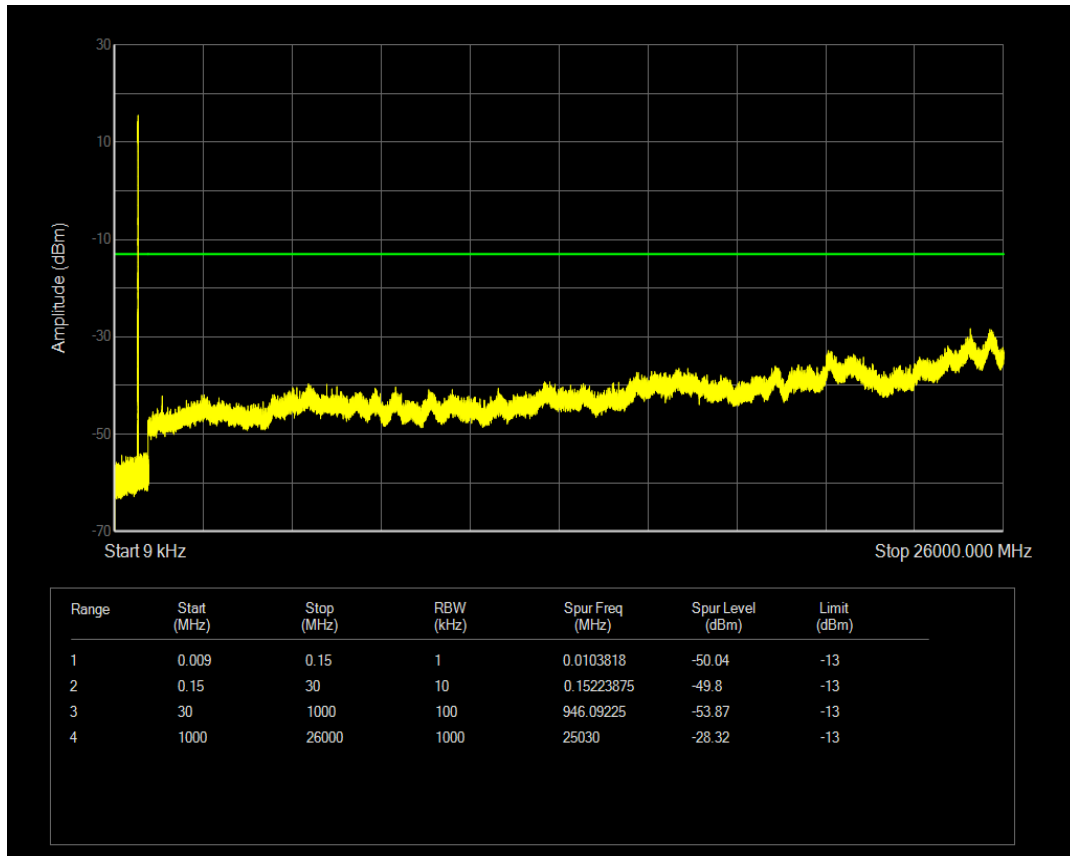
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



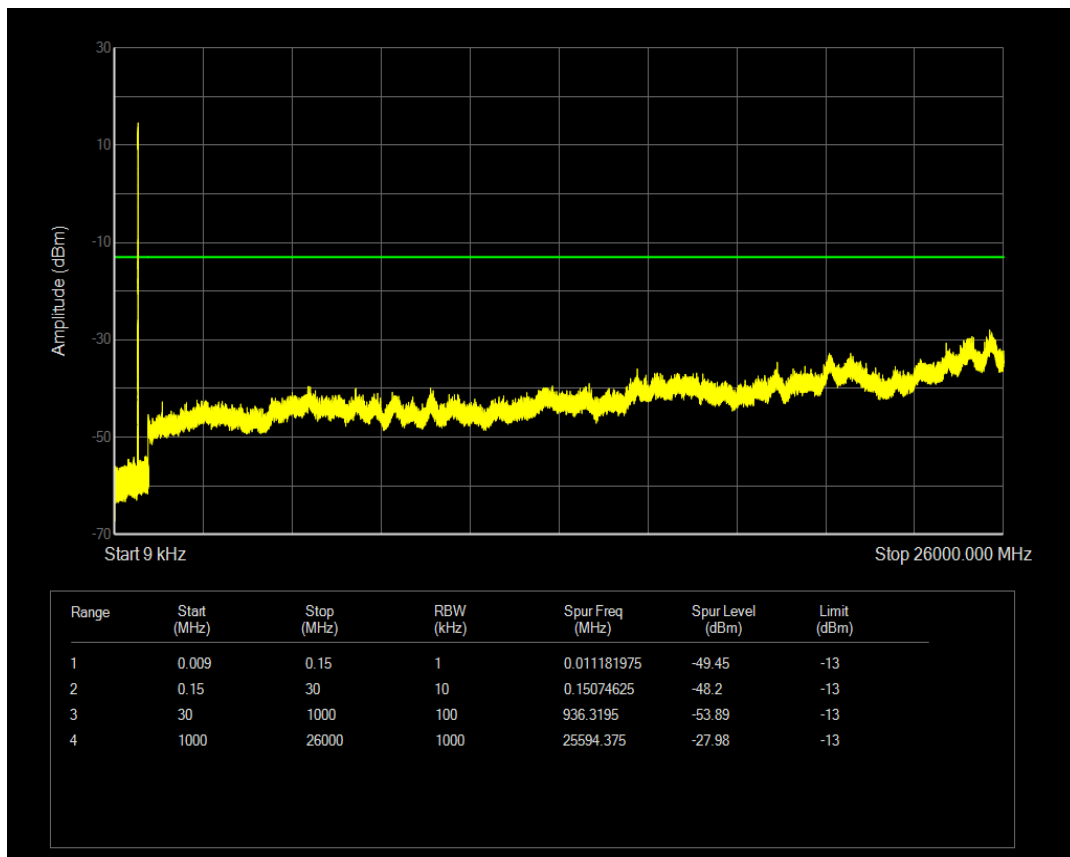
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



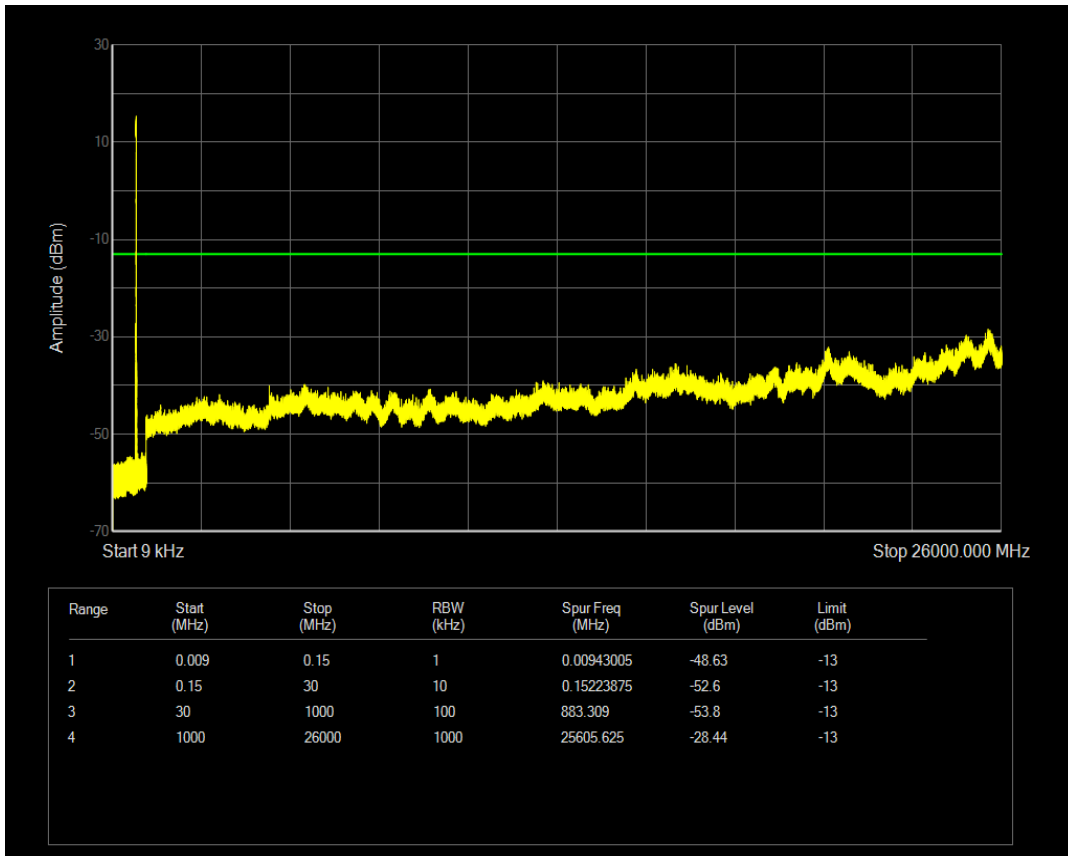
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



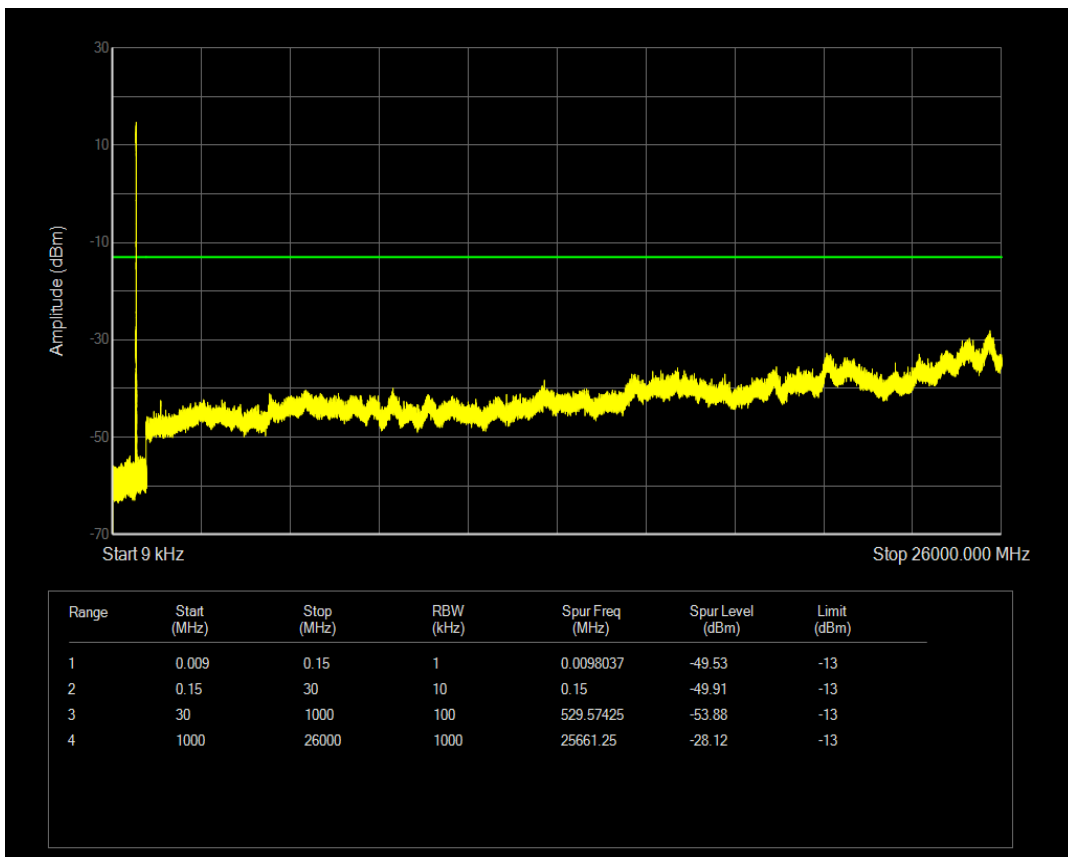
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



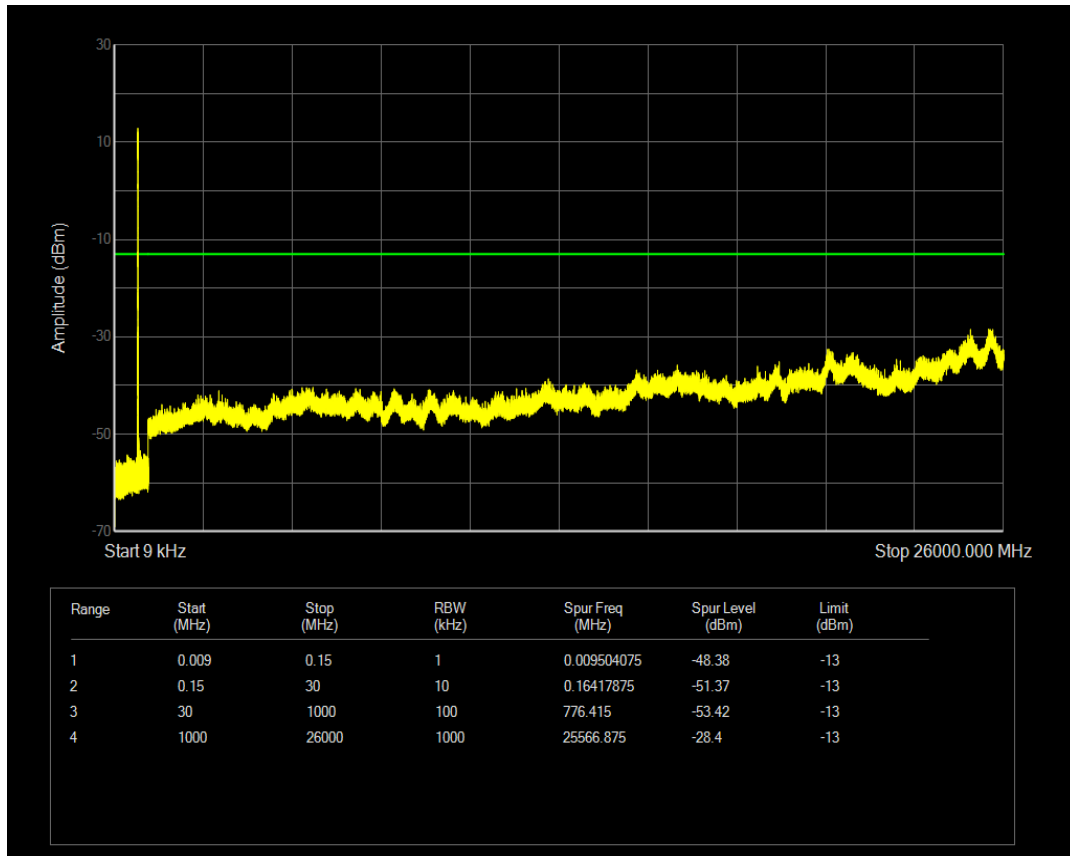
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



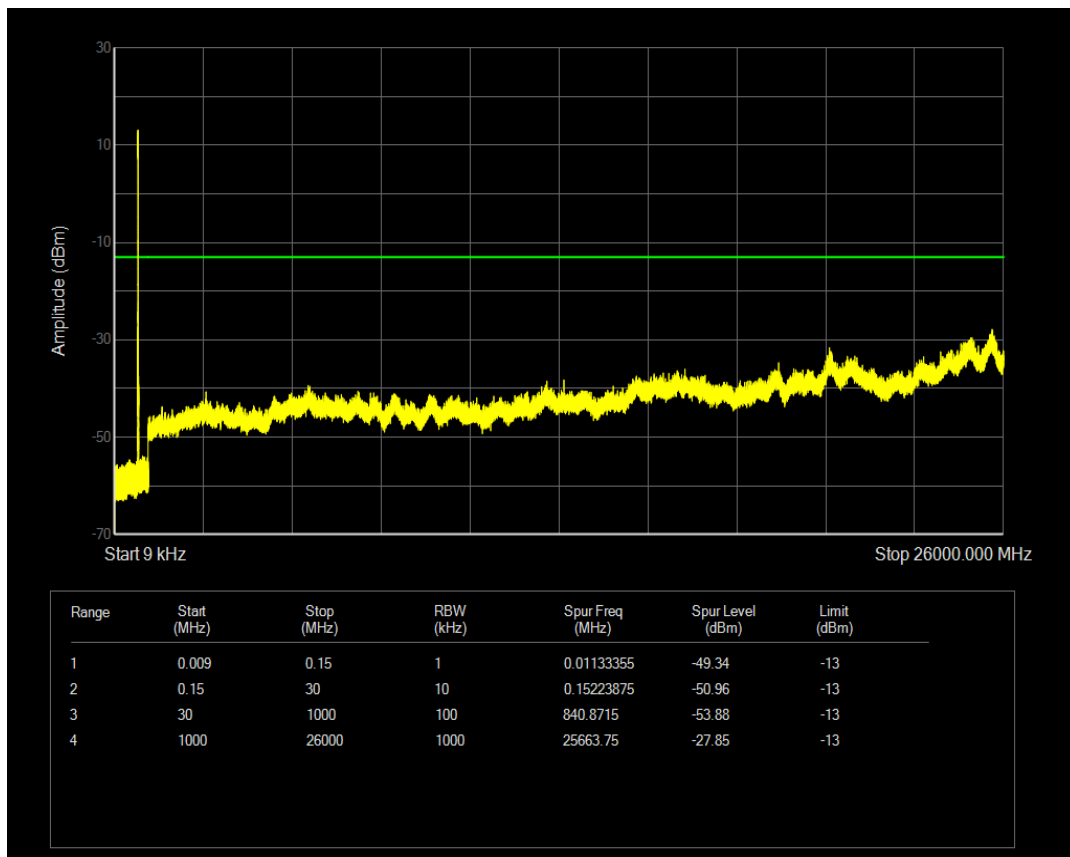
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



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



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



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

