

Appendix for Band 12

Report No.: BCTC2410930951-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart phone

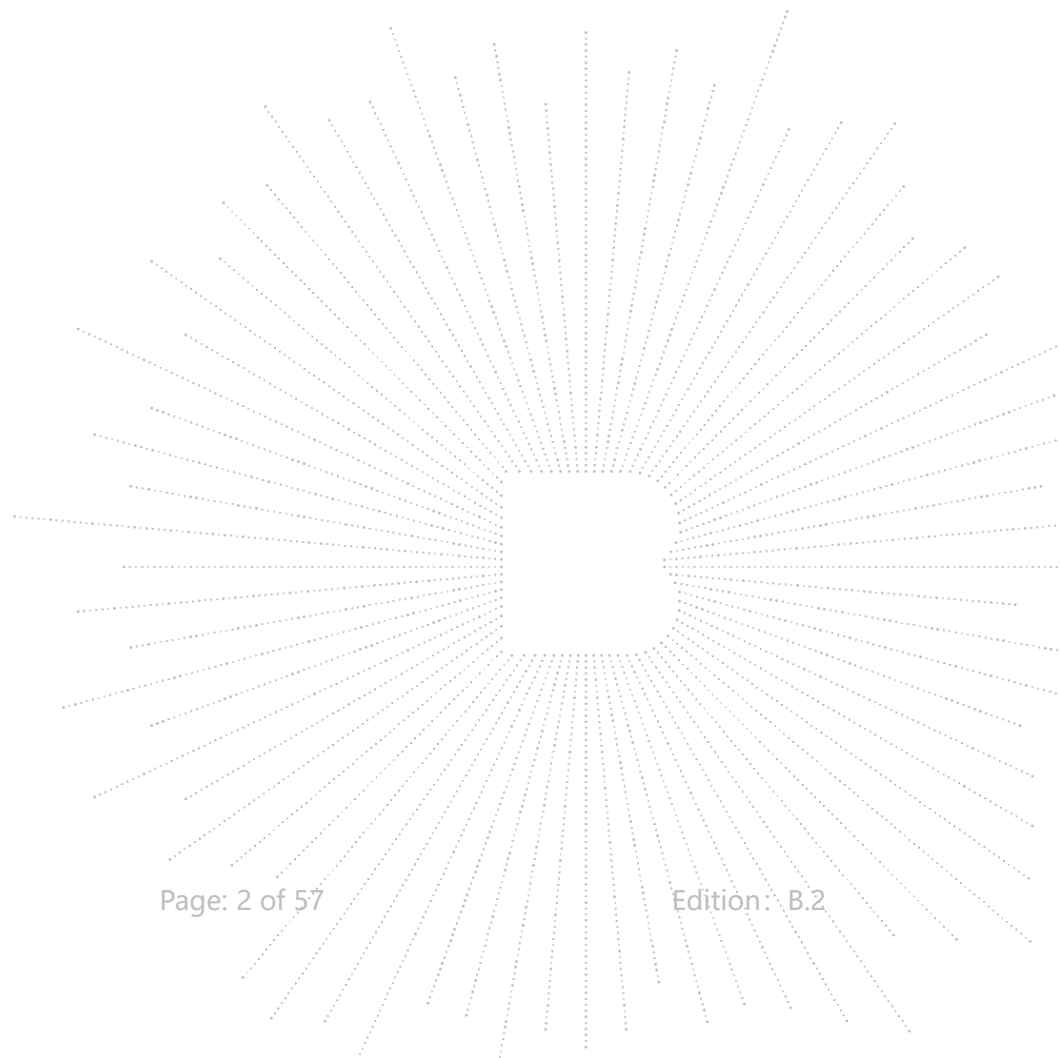
Test Model: S3

Tested Date: 2024-10-14 to 2024-11-06

Shenzhen BCTC Testing Co., Ltd.

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

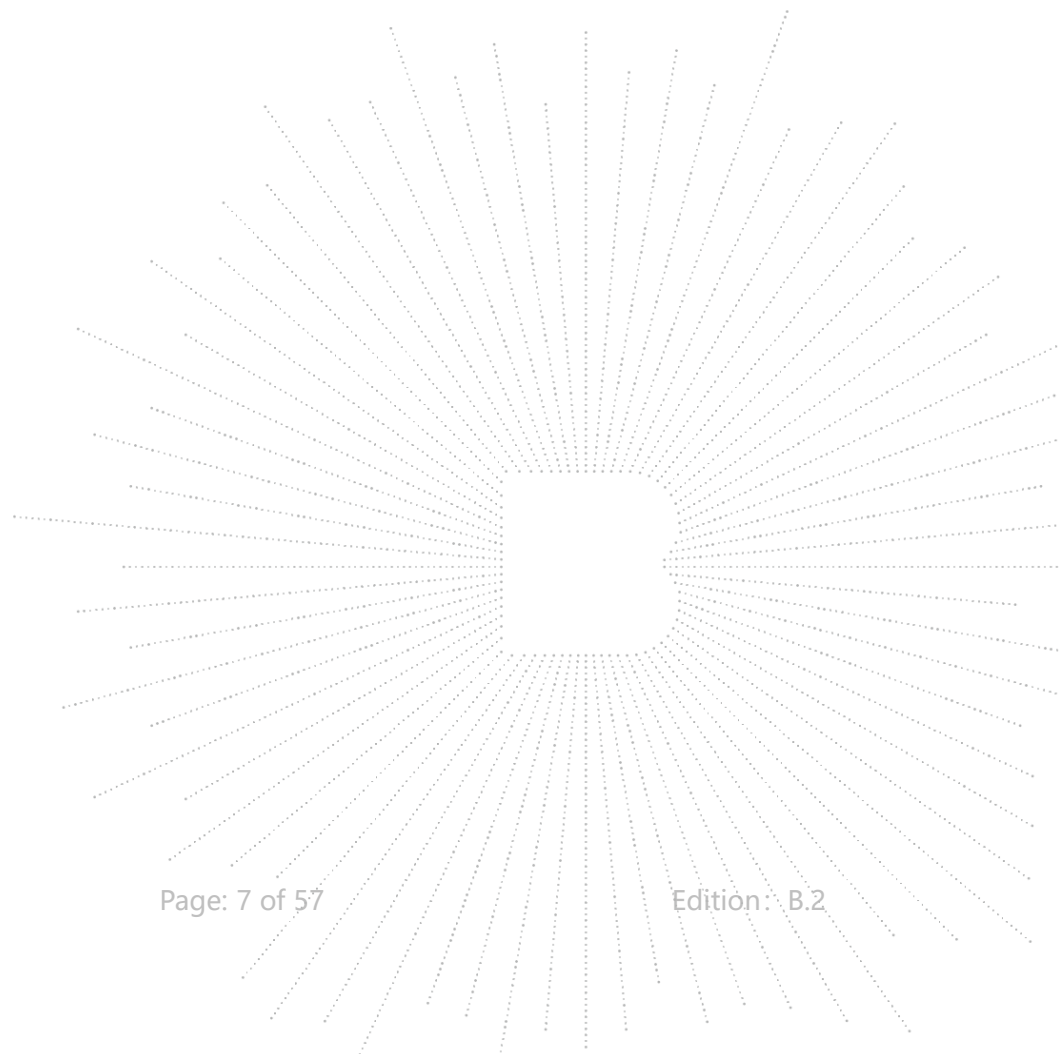
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	23.60	-4.6	16.85	PASS
Band12	1.4	23017	1	#Mid	QPSK	23.78	-4.6	17.03	PASS
Band12	1.4	23017	1	#Max	QPSK	23.61	-4.6	16.86	PASS
Band12	1.4	23017	3	#0	QPSK	23.77	-4.6	17.02	PASS
Band12	1.4	23017	3	#Mid	QPSK	23.78	-4.6	17.03	PASS
Band12	1.4	23017	3	#Max	QPSK	23.77	-4.6	17.02	PASS
Band12	1.4	23017	6	#0	QPSK	22.68	-4.6	15.93	PASS
Band12	1.4	23017	1	#0	16QAM	22.81	-4.6	16.06	PASS
Band12	1.4	23017	1	#Mid	16QAM	22.93	-4.6	16.18	PASS
Band12	1.4	23017	1	#Max	16QAM	22.83	-4.6	16.08	PASS
Band12	1.4	23017	3	#0	16QAM	22.91	-4.6	16.16	PASS
Band12	1.4	23017	3	#Mid	16QAM	22.95	-4.6	16.20	PASS
Band12	1.4	23017	3	#Max	16QAM	22.96	-4.6	16.21	PASS
Band12	1.4	23017	6	#0	16QAM	21.83	-4.6	15.08	PASS
Band12	1.4	23095	1	#0	QPSK	23.71	-4.6	16.96	PASS
Band12	1.4	23095	1	#Mid	QPSK	23.88	-4.6	17.13	PASS
Band12	1.4	23095	1	#Max	QPSK	23.71	-4.6	16.96	PASS
Band12	1.4	23095	3	#0	QPSK	23.78	-4.6	17.03	PASS
Band12	1.4	23095	3	#Mid	QPSK	23.76	-4.6	17.01	PASS
Band12	1.4	23095	3	#Max	QPSK	23.75	-4.6	17.00	PASS
Band12	1.4	23095	6	#0	QPSK	22.68	-4.6	15.93	PASS
Band12	1.4	23095	1	#0	16QAM	22.55	-4.6	15.80	PASS
Band12	1.4	23095	1	#Mid	16QAM	22.68	-4.6	15.93	PASS
Band12	1.4	23095	1	#Max	16QAM	22.55	-4.6	15.80	PASS
Band12	1.4	23095	3	#0	16QAM	22.90	-4.6	16.15	PASS
Band12	1.4	23095	3	#Mid	16QAM	22.90	-4.6	16.15	PASS
Band12	1.4	23095	3	#Max	16QAM	22.93	-4.6	16.18	PASS
Band12	1.4	23095	6	#0	16QAM	21.89	-4.6	15.14	PASS
Band12	1.4	23173	1	#0	QPSK	23.72	-4.6	16.97	PASS
Band12	1.4	23173	1	#Mid	QPSK	23.92	-4.6	17.17	PASS
Band12	1.4	23173	1	#Max	QPSK	23.70	-4.6	16.95	PASS
Band12	1.4	23173	3	#0	QPSK	23.68	-4.6	16.93	PASS
Band12	1.4	23173	3	#Mid	QPSK	23.71	-4.6	16.96	PASS
Band12	1.4	23173	3	#Max	QPSK	23.69	-4.6	16.94	PASS
Band12	1.4	23173	6	#0	QPSK	22.70	-4.6	15.95	PASS
Band12	1.4	23173	1	#0	16QAM	22.69	-4.6	15.94	PASS

Band12	1.4	23173	1	#Mid	16QAM	22.85	-4.6	16.10	PASS
Band12	1.4	23173	1	#Max	16QAM	22.67	-4.6	15.92	PASS
Band12	1.4	23173	3	#0	16QAM	22.82	-4.6	16.07	PASS
Band12	1.4	23173	3	#Mid	16QAM	22.83	-4.6	16.08	PASS
Band12	1.4	23173	3	#Max	16QAM	22.80	-4.6	16.05	PASS
Band12	1.4	23173	6	#0	16QAM	21.81	-4.6	15.06	PASS
Band12	3	23025	1	#0	QPSK	23.70	-4.6	16.95	PASS
Band12	3	23025	1	#Mid	QPSK	24.05	-4.6	17.30	PASS
Band12	3	23025	1	#Max	QPSK	23.74	-4.6	16.99	PASS
Band12	3	23025	8	#0	QPSK	22.70	-4.6	15.95	PASS
Band12	3	23025	8	#Mid	QPSK	22.75	-4.6	16.00	PASS
Band12	3	23025	8	#Max	QPSK	22.70	-4.6	15.95	PASS
Band12	3	23025	15	#0	QPSK	22.68	-4.6	15.93	PASS
Band12	3	23025	1	#0	16QAM	22.57	-4.6	15.82	PASS
Band12	3	23025	1	#Mid	16QAM	22.87	-4.6	16.12	PASS
Band12	3	23025	1	#Max	16QAM	22.55	-4.6	15.80	PASS
Band12	3	23025	8	#0	16QAM	21.70	-4.6	14.95	PASS
Band12	3	23025	8	#Mid	16QAM	21.70	-4.6	14.95	PASS
Band12	3	23025	8	#Max	16QAM	21.69	-4.6	14.94	PASS
Band12	3	23025	15	#0	16QAM	21.77	-4.6	15.02	PASS
Band12	3	23095	1	#0	QPSK	23.65	-4.6	16.90	PASS
Band12	3	23095	1	#Mid	QPSK	23.92	-4.6	17.17	PASS
Band12	3	23095	1	#Max	QPSK	23.66	-4.6	16.91	PASS
Band12	3	23095	8	#0	QPSK	22.68	-4.6	15.93	PASS
Band12	3	23095	8	#Mid	QPSK	22.71	-4.6	15.96	PASS
Band12	3	23095	8	#Max	QPSK	22.70	-4.6	15.95	PASS
Band12	3	23095	15	#0	QPSK	22.69	-4.6	15.94	PASS
Band12	3	23095	1	#0	16QAM	23.10	-4.6	16.35	PASS
Band12	3	23095	1	#Mid	16QAM	23.41	-4.6	16.66	PASS
Band12	3	23095	1	#Max	16QAM	23.09	-4.6	16.34	PASS
Band12	3	23095	8	#0	16QAM	21.72	-4.6	14.97	PASS
Band12	3	23095	8	#Mid	16QAM	21.75	-4.6	15.00	PASS
Band12	3	23095	8	#Max	16QAM	21.74	-4.6	14.99	PASS
Band12	3	23095	15	#0	16QAM	21.75	-4.6	15.00	PASS
Band12	3	23165	1	#0	QPSK	23.61	-4.6	16.86	PASS
Band12	3	23165	1	#Mid	QPSK	23.95	-4.6	17.20	PASS
Band12	3	23165	1	#Max	QPSK	23.67	-4.6	16.92	PASS
Band12	3	23165	8	#0	QPSK	22.71	-4.6	15.96	PASS
Band12	3	23165	8	#Mid	QPSK	22.71	-4.6	15.96	PASS
Band12	3	23165	8	#Max	QPSK	22.69	-4.6	15.94	PASS
Band12	3	23165	15	#0	QPSK	22.65	-4.6	15.90	PASS
Band12	3	23165	1	#0	16QAM	22.83	-4.6	16.08	PASS
Band12	3	23165	1	#Mid	16QAM	23.12	-4.6	16.37	PASS

Band12	3	23165	1	#Max	16QAM	22.75	-4.6	16.00	PASS
Band12	3	23165	8	#0	16QAM	21.71	-4.6	14.96	PASS
Band12	3	23165	8	#Mid	16QAM	21.72	-4.6	14.97	PASS
Band12	3	23165	8	#Max	16QAM	21.66	-4.6	14.91	PASS
Band12	3	23165	15	#0	16QAM	21.60	-4.6	14.85	PASS
Band12	5	23035	1	#0	QPSK	23.62	-4.6	16.87	PASS
Band12	5	23035	1	#Mid	QPSK	24.02	-4.6	17.27	PASS
Band12	5	23035	1	#Max	QPSK	23.59	-4.6	16.84	PASS
Band12	5	23035	12	#0	QPSK	22.69	-4.6	15.94	PASS
Band12	5	23035	12	#Mid	QPSK	22.71	-4.6	15.96	PASS
Band12	5	23035	12	#Max	QPSK	22.64	-4.6	15.89	PASS
Band12	5	23035	25	#0	QPSK	22.71	-4.6	15.96	PASS
Band12	5	23035	1	#0	16QAM	22.84	-4.6	16.09	PASS
Band12	5	23035	1	#Mid	16QAM	23.31	-4.6	16.56	PASS
Band12	5	23035	1	#Max	16QAM	22.94	-4.6	16.19	PASS
Band12	5	23035	12	#0	16QAM	21.62	-4.6	14.87	PASS
Band12	5	23035	12	#Mid	16QAM	21.69	-4.6	14.94	PASS
Band12	5	23035	12	#Max	16QAM	21.62	-4.6	14.87	PASS
Band12	5	23035	25	#0	16QAM	21.72	-4.6	14.97	PASS
Band12	5	23095	1	#0	QPSK	23.52	-4.6	16.77	PASS
Band12	5	23095	1	#Mid	QPSK	23.70	-4.6	16.95	PASS
Band12	5	23095	1	#Max	QPSK	23.56	-4.6	16.81	PASS
Band12	5	23095	12	#0	QPSK	22.69	-4.6	15.94	PASS
Band12	5	23095	12	#Mid	QPSK	22.74	-4.6	15.99	PASS
Band12	5	23095	12	#Max	QPSK	22.70	-4.6	15.95	PASS
Band12	5	23095	25	#0	QPSK	22.67	-4.6	15.92	PASS
Band12	5	23095	1	#0	16QAM	22.86	-4.6	16.11	PASS
Band12	5	23095	1	#Mid	16QAM	23.29	-4.6	16.54	PASS
Band12	5	23095	1	#Max	16QAM	22.91	-4.6	16.16	PASS
Band12	5	23095	12	#0	16QAM	21.75	-4.6	15.00	PASS
Band12	5	23095	12	#Mid	16QAM	21.80	-4.6	15.05	PASS
Band12	5	23095	12	#Max	16QAM	21.75	-4.6	15.00	PASS
Band12	5	23095	25	#0	16QAM	21.71	-4.6	14.96	PASS
Band12	5	23155	1	#0	QPSK	23.55	-4.6	16.80	PASS
Band12	5	23155	1	#Mid	QPSK	23.97	-4.6	17.22	PASS
Band12	5	23155	1	#Max	QPSK	23.59	-4.6	16.84	PASS
Band12	5	23155	12	#0	QPSK	22.67	-4.6	15.92	PASS
Band12	5	23155	12	#Mid	QPSK	22.75	-4.6	16.00	PASS
Band12	5	23155	12	#Max	QPSK	22.62	-4.6	15.87	PASS
Band12	5	23155	25	#0	QPSK	22.69	-4.6	15.94	PASS
Band12	5	23155	1	#0	16QAM	23.06	-4.6	16.31	PASS
Band12	5	23155	1	#Mid	16QAM	23.42	-4.6	16.67	PASS
Band12	5	23155	1	#Max	16QAM	23.00	-4.6	16.25	PASS

Band12	5	23155	12	#0	16QAM	21.64	-4.6	14.89	PASS
Band12	5	23155	12	#Mid	16QAM	21.72	-4.6	14.97	PASS
Band12	5	23155	12	#Max	16QAM	21.64	-4.6	14.89	PASS
Band12	5	23155	25	#0	16QAM	21.67	-4.6	14.92	PASS
Band12	10	23060	1	#0	QPSK	23.64	-4.6	16.89	PASS
Band12	10	23060	1	#Mid	QPSK	23.81	-4.6	17.06	PASS
Band12	10	23060	1	#Max	QPSK	23.66	-4.6	16.91	PASS
Band12	10	23060	25	#0	QPSK	22.73	-4.6	15.98	PASS
Band12	10	23060	25	#Mid	QPSK	22.67	-4.6	15.92	PASS
Band12	10	23060	25	#Max	QPSK	22.74	-4.6	15.99	PASS
Band12	10	23060	50	#0	QPSK	22.74	-4.6	15.99	PASS
Band12	10	23060	1	#0	16QAM	22.82	-4.6	16.07	PASS
Band12	10	23060	1	#Mid	16QAM	22.99	-4.6	16.24	PASS
Band12	10	23060	1	#Max	16QAM	22.86	-4.6	16.11	PASS
Band12	10	23060	25	#0	16QAM	21.74	-4.6	14.99	PASS
Band12	10	23060	25	#Mid	16QAM	21.68	-4.6	14.93	PASS
Band12	10	23060	25	#Max	16QAM	21.77	-4.6	15.02	PASS
Band12	10	23060	50	#0	16QAM	21.80	-4.6	15.05	PASS
Band12	10	23095	1	#0	QPSK	23.71	-4.6	16.96	PASS
Band12	10	23095	1	#Mid	QPSK	23.85	-4.6	17.10	PASS
Band12	10	23095	1	#Max	QPSK	23.75	-4.6	17.00	PASS
Band12	10	23095	25	#0	QPSK	22.71	-4.6	15.96	PASS
Band12	10	23095	25	#Mid	QPSK	22.68	-4.6	15.93	PASS
Band12	10	23095	25	#Max	QPSK	22.77	-4.6	16.02	PASS
Band12	10	23095	50	#0	QPSK	22.74	-4.6	15.99	PASS
Band12	10	23095	1	#0	16QAM	22.53	-4.6	15.78	PASS
Band12	10	23095	1	#Mid	16QAM	22.68	-4.6	15.93	PASS
Band12	10	23095	1	#Max	16QAM	22.51	-4.6	15.76	PASS
Band12	10	23095	25	#0	16QAM	21.74	-4.6	14.99	PASS
Band12	10	23095	25	#Mid	16QAM	21.72	-4.6	14.97	PASS
Band12	10	23095	25	#Max	16QAM	21.76	-4.6	15.01	PASS
Band12	10	23095	50	#0	16QAM	21.73	-4.6	14.98	PASS
Band12	10	23130	1	#0	QPSK	23.65	-4.6	16.90	PASS
Band12	10	23130	1	#Mid	QPSK	23.74	-4.6	16.99	PASS
Band12	10	23130	1	#Max	QPSK	23.63	-4.6	16.88	PASS
Band12	10	23130	25	#0	QPSK	22.79	-4.6	16.04	PASS
Band12	10	23130	25	#Mid	QPSK	22.77	-4.6	16.02	PASS
Band12	10	23130	25	#Max	QPSK	22.68	-4.6	15.93	PASS
Band12	10	23130	50	#0	QPSK	22.70	-4.6	15.95	PASS
Band12	10	23130	1	#0	16QAM	23.09	-4.6	16.34	PASS
Band12	10	23130	1	#Mid	16QAM	23.16	-4.6	16.41	PASS
Band12	10	23130	1	#Max	16QAM	22.97	-4.6	16.22	PASS
Band12	10	23130	25	#0	16QAM	21.82	-4.6	15.07	PASS

Band12	10	23130	25	#Mid	16QAM	21.81	-4.6	15.06	PASS
Band12	10	23130	25	#Max	16QAM	21.73	-4.6	14.98	PASS
Band12	10	23130	50	#0	16QAM	21.77	-4.6	15.02	PASS



Appendix 2. Frequency stability

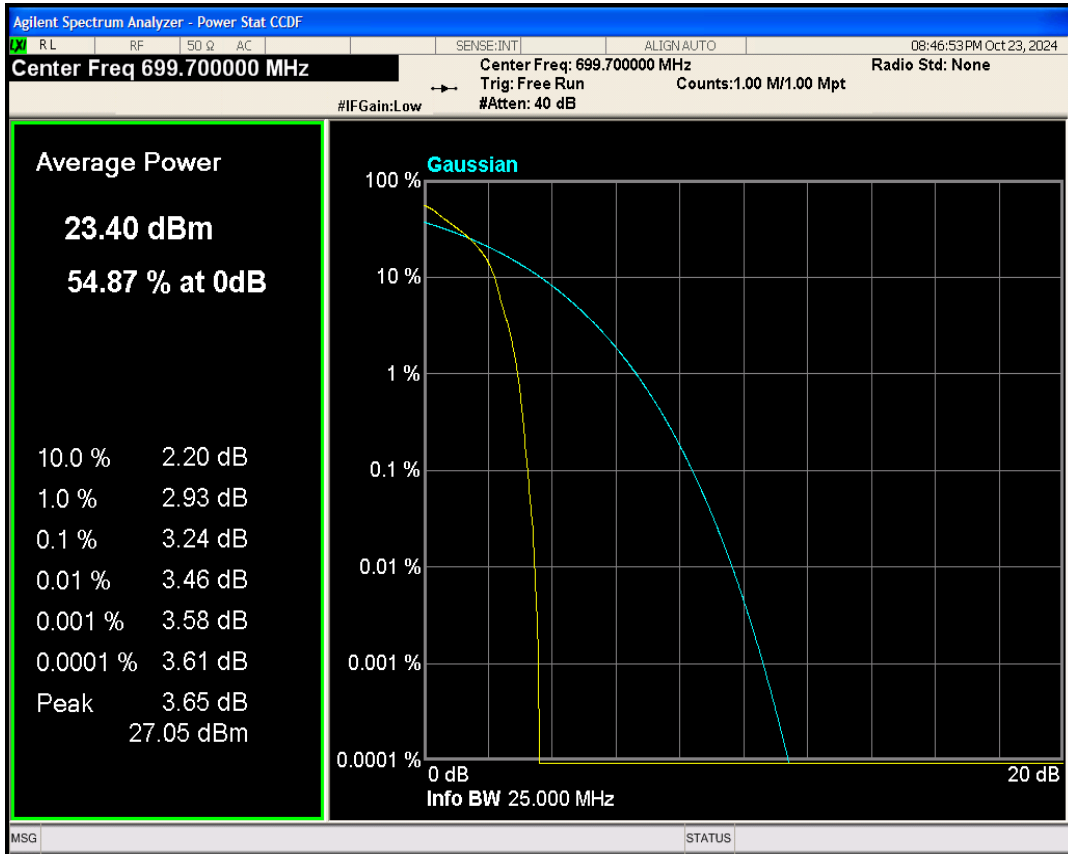
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band12	1.4	23017	6	#0	QPSK	LV	NT	-9.93	-0.014	PASS
Band12	1.4	23017	6	#0	QPSK	NV	NT	-12.16	-0.017	PASS
Band12	1.4	23017	6	#0	QPSK	HV	NT	-12.19	-0.017	PASS
Band12	1.4	23017	6	#0	16QAM	LV	NT	-12.76	-0.018	PASS
Band12	1.4	23017	6	#0	16QAM	NV	NT	-10.26	-0.015	PASS
Band12	1.4	23017	6	#0	16QAM	HV	NT	-9.77	-0.014	PASS
Band12	1.4	23095	6	#0	QPSK	LV	NT	-6.17	-0.009	PASS
Band12	1.4	23095	6	#0	QPSK	NV	NT	-3.20	-0.005	PASS
Band12	1.4	23095	6	#0	QPSK	HV	NT	-3.98	-0.006	PASS
Band12	1.4	23095	6	#0	16QAM	LV	NT	-4.26	-0.006	PASS
Band12	1.4	23095	6	#0	16QAM	NV	NT	-3.38	-0.005	PASS
Band12	1.4	23095	6	#0	16QAM	HV	NT	-4.42	-0.006	PASS
Band12	1.4	23173	6	#0	QPSK	LV	NT	-4.28	-0.006	PASS
Band12	1.4	23173	6	#0	QPSK	NV	NT	-2.68	-0.004	PASS
Band12	1.4	23173	6	#0	QPSK	HV	NT	-4.16	-0.006	PASS
Band12	1.4	23173	6	#0	16QAM	LV	NT	-6.25	-0.009	PASS
Band12	1.4	23173	6	#0	16QAM	NV	NT	-7.60	-0.011	PASS
Band12	1.4	23173	6	#0	16QAM	HV	NT	-5.97	-0.008	PASS
Band12	3	23025	15	#0	QPSK	LV	NT	-6.72	-0.010	PASS
Band12	3	23025	15	#0	QPSK	NV	NT	-7.90	-0.011	PASS
Band12	3	23025	15	#0	QPSK	HV	NT	-6.44	-0.009	PASS
Band12	3	23025	15	#0	16QAM	LV	NT	-5.68	-0.008	PASS
Band12	3	23025	15	#0	16QAM	NV	NT	-5.25	-0.007	PASS
Band12	3	23025	15	#0	16QAM	HV	NT	-4.62	-0.007	PASS
Band12	3	23095	15	#0	QPSK	LV	NT	-3.12	-0.004	PASS
Band12	3	23095	15	#0	QPSK	NV	NT	-3.55	-0.005	PASS
Band12	3	23095	15	#0	QPSK	HV	NT	-3.46	-0.005	PASS
Band12	3	23095	15	#0	16QAM	LV	NT	-7.41	-0.010	PASS
Band12	3	23095	15	#0	16QAM	NV	NT	-7.51	-0.011	PASS
Band12	3	23095	15	#0	16QAM	HV	NT	-7.27	-0.010	PASS
Band12	3	23165	15	#0	QPSK	LV	NT	-2.25	-0.003	PASS
Band12	3	23165	15	#0	QPSK	NV	NT	-2.85	-0.004	PASS
Band12	3	23165	15	#0	QPSK	HV	NT	-2.69	-0.004	PASS
Band12	3	23165	15	#0	16QAM	LV	NT	-2.90	-0.004	PASS
Band12	3	23165	15	#0	16QAM	NV	NT	-5.09	-0.007	PASS
Band12	3	23165	15	#0	16QAM	HV	NT	-5.49	-0.008	PASS
Band12	5	23035	25	#0	QPSK	LV	NT	-9.86	-0.014	PASS
Band12	5	23035	25	#0	QPSK	NV	NT	-9.07	-0.013	PASS

Band12	5	23035	25	#0	QPSK	HV	NT	-9.10	-0.013	PASS
Band12	5	23035	25	#0	16QAM	LV	NT	-5.68	-0.008	PASS
Band12	5	23035	25	#0	16QAM	NV	NT	-6.87	-0.010	PASS
Band12	5	23035	25	#0	16QAM	HV	NT	-7.22	-0.010	PASS
Band12	5	23095	25	#0	QPSK	LV	NT	-8.57	-0.012	PASS
Band12	5	23095	25	#0	QPSK	NV	NT	-7.88	-0.011	PASS
Band12	5	23095	25	#0	QPSK	HV	NT	-7.32	-0.010	PASS
Band12	5	23095	25	#0	16QAM	LV	NT	-7.67	-0.011	PASS
Band12	5	23095	25	#0	16QAM	NV	NT	-6.85	-0.010	PASS
Band12	5	23095	25	#0	16QAM	HV	NT	-6.58	-0.009	PASS
Band12	5	23155	25	#0	QPSK	LV	NT	-5.75	-0.008	PASS
Band12	5	23155	25	#0	QPSK	NV	NT	-9.24	-0.013	PASS
Band12	5	23155	25	#0	QPSK	HV	NT	-5.51	-0.008	PASS
Band12	5	23155	25	#0	16QAM	LV	NT	-8.97	-0.013	PASS
Band12	5	23155	25	#0	16QAM	NV	NT	-5.41	-0.008	PASS
Band12	5	23155	25	#0	16QAM	HV	NT	-5.02	-0.007	PASS
Band12	10	23060	50	#0	QPSK	LV	NT	-10.17	-0.014	PASS
Band12	10	23060	50	#0	QPSK	NV	NT	-7.97	-0.011	PASS
Band12	10	23060	50	#0	QPSK	HV	NT	-7.55	-0.011	PASS
Band12	10	23060	50	#0	16QAM	LV	NT	-7.34	-0.010	PASS
Band12	10	23060	50	#0	16QAM	NV	NT	-5.18	-0.007	PASS
Band12	10	23060	50	#0	16QAM	HV	NT	-7.21	-0.010	PASS
Band12	10	23095	50	#0	QPSK	LV	NT	-8.38	-0.012	PASS
Band12	10	23095	50	#0	QPSK	NV	NT	-6.37	-0.009	PASS
Band12	10	23095	50	#0	QPSK	HV	NT	-7.71	-0.011	PASS
Band12	10	23095	50	#0	16QAM	LV	NT	-6.17	-0.009	PASS
Band12	10	23095	50	#0	16QAM	NV	NT	-8.31	-0.012	PASS
Band12	10	23095	50	#0	16QAM	HV	NT	-4.98	-0.007	PASS
Band12	10	23130	50	#0	QPSK	LV	NT	-4.53	-0.006	PASS
Band12	10	23130	50	#0	QPSK	NV	NT	-6.31	-0.009	PASS
Band12	10	23130	50	#0	QPSK	HV	NT	-6.68	-0.009	PASS
Band12	10	23130	50	#0	16QAM	LV	NT	-7.65	-0.011	PASS
Band12	10	23130	50	#0	16QAM	NV	NT	-4.11	-0.006	PASS
Band12	10	23130	50	#0	16QAM	HV	NT	-5.92	-0.008	PASS

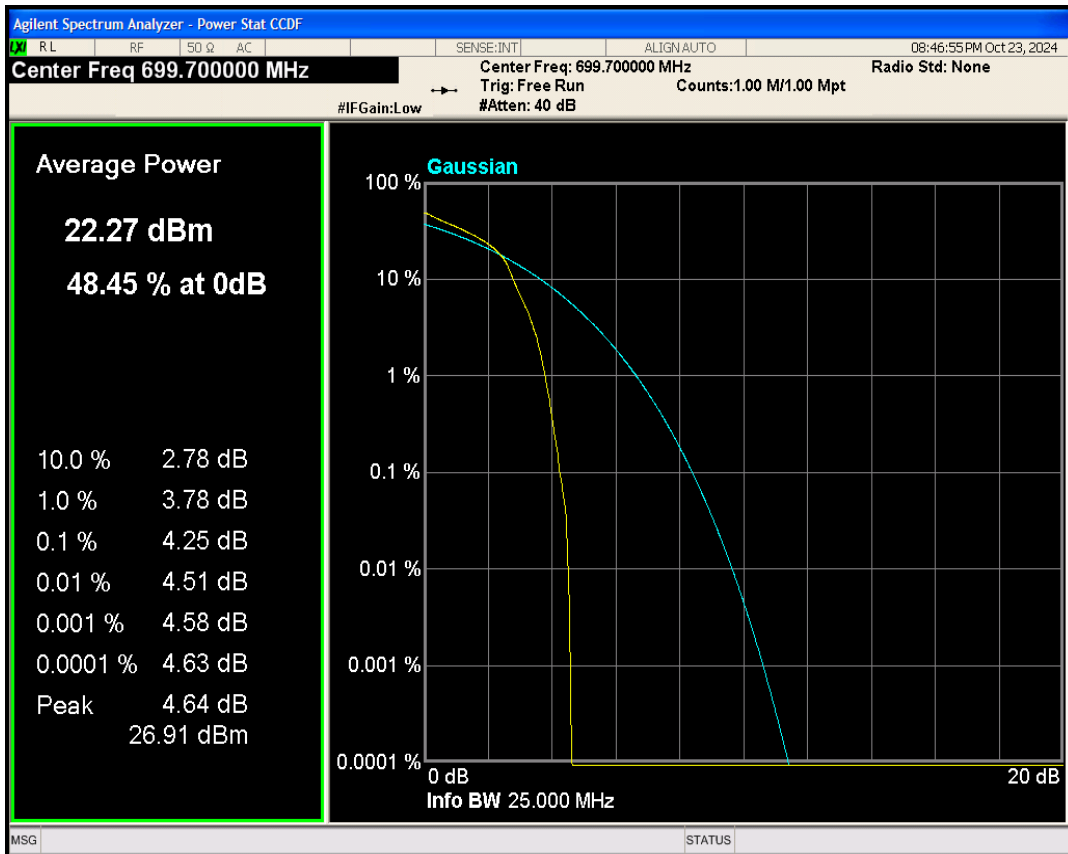
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	3.24	13	PASS
Band12	1.4	23017	1	#0	16QAM	4.25	13	PASS
Band12	1.4	23095	1	#0	QPSK	3.78	13	PASS
Band12	1.4	23095	1	#0	16QAM	4.55	13	PASS
Band12	1.4	23173	1	#0	QPSK	3.93	13	PASS
Band12	1.4	23173	1	#0	16QAM	4.79	13	PASS
Band12	3	23025	1	#0	QPSK	3.28	13	PASS
Band12	3	23025	1	#0	16QAM	4.16	13	PASS
Band12	3	23095	1	#0	QPSK	4.11	13	PASS
Band12	3	23095	1	#0	16QAM	4.94	13	PASS
Band12	3	23165	1	#0	QPSK	4.36	13	PASS
Band12	3	23165	1	#0	16QAM	5.01	13	PASS
Band12	5	23035	1	#0	QPSK	3.37	13	PASS
Band12	5	23035	1	#0	16QAM	4.06	13	PASS
Band12	5	23095	1	#0	QPSK	4.40	13	PASS
Band12	5	23095	1	#0	16QAM	5.04	13	PASS
Band12	5	23155	1	#0	QPSK	4.43	13	PASS
Band12	5	23155	1	#0	16QAM	5.06	13	PASS
Band12	10	23060	1	#0	QPSK	3.16	13	PASS
Band12	10	23060	1	#0	16QAM	4.04	13	PASS
Band12	10	23095	1	#0	QPSK	4.21	13	PASS
Band12	10	23095	1	#0	16QAM	5.19	13	PASS
Band12	10	23130	1	#0	QPSK	3.94	13	PASS
Band12	10	23130	1	#0	16QAM	4.89	13	PASS

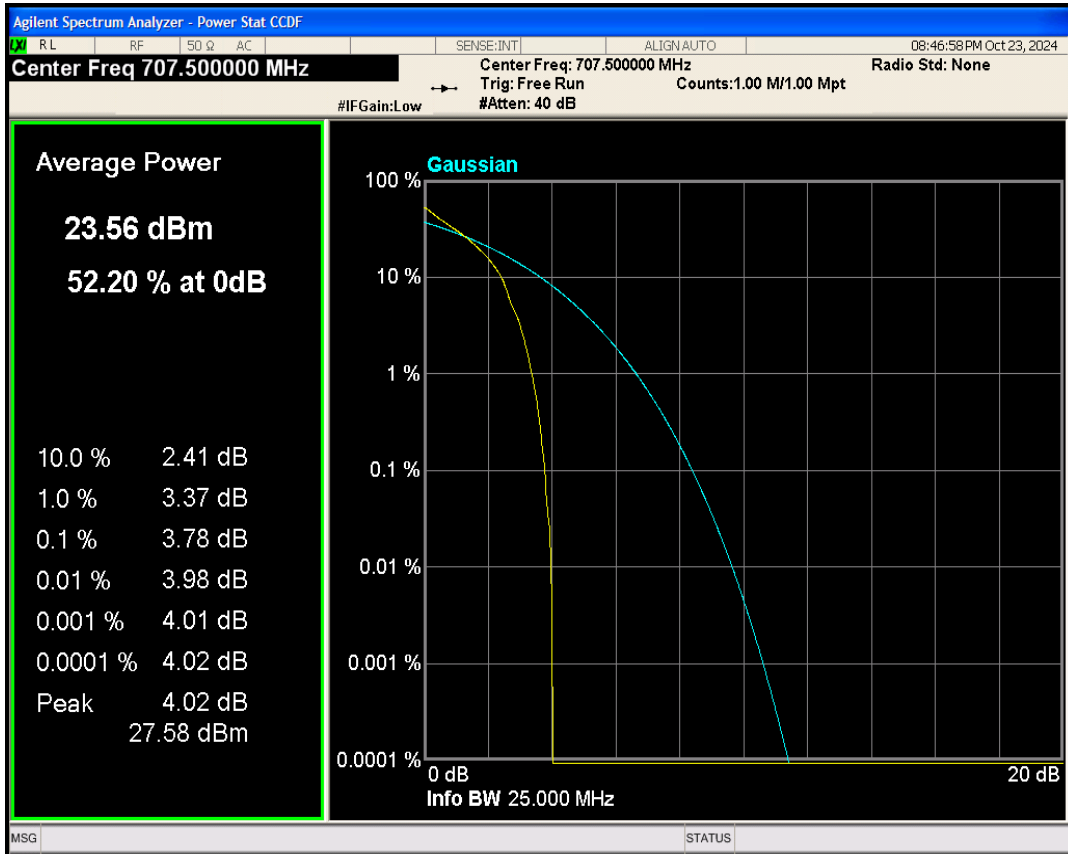
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



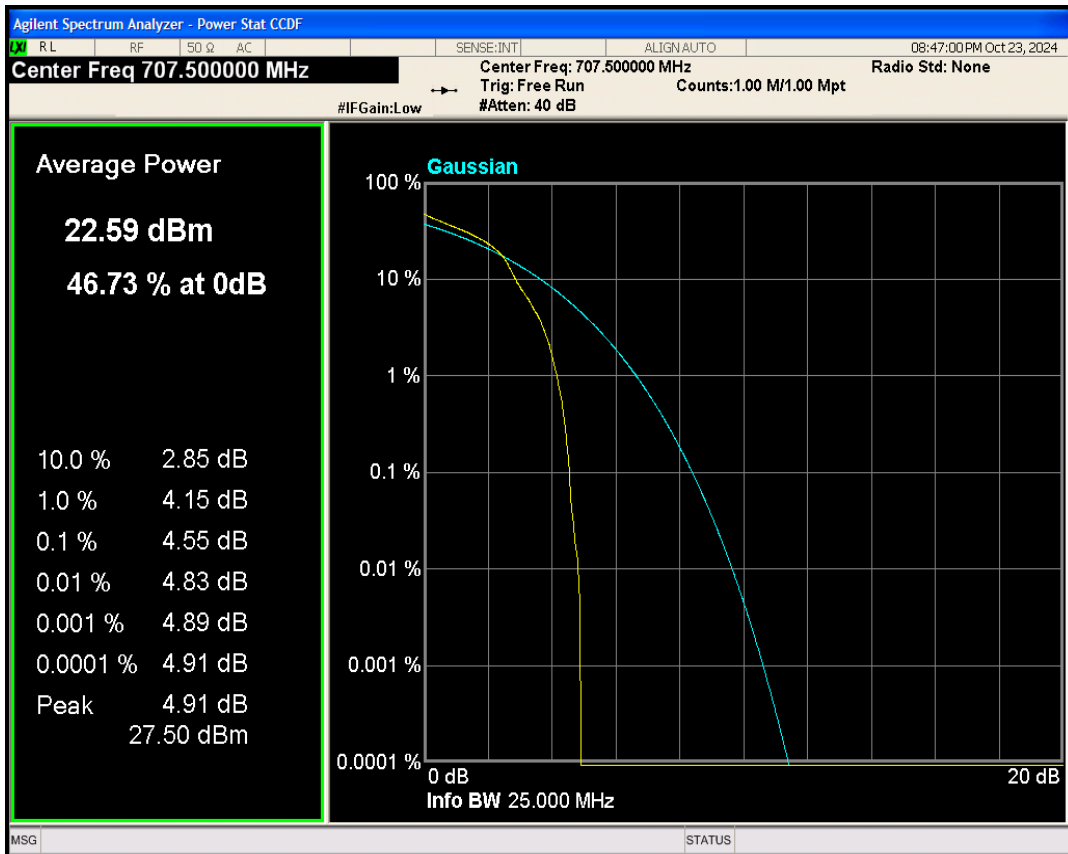
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



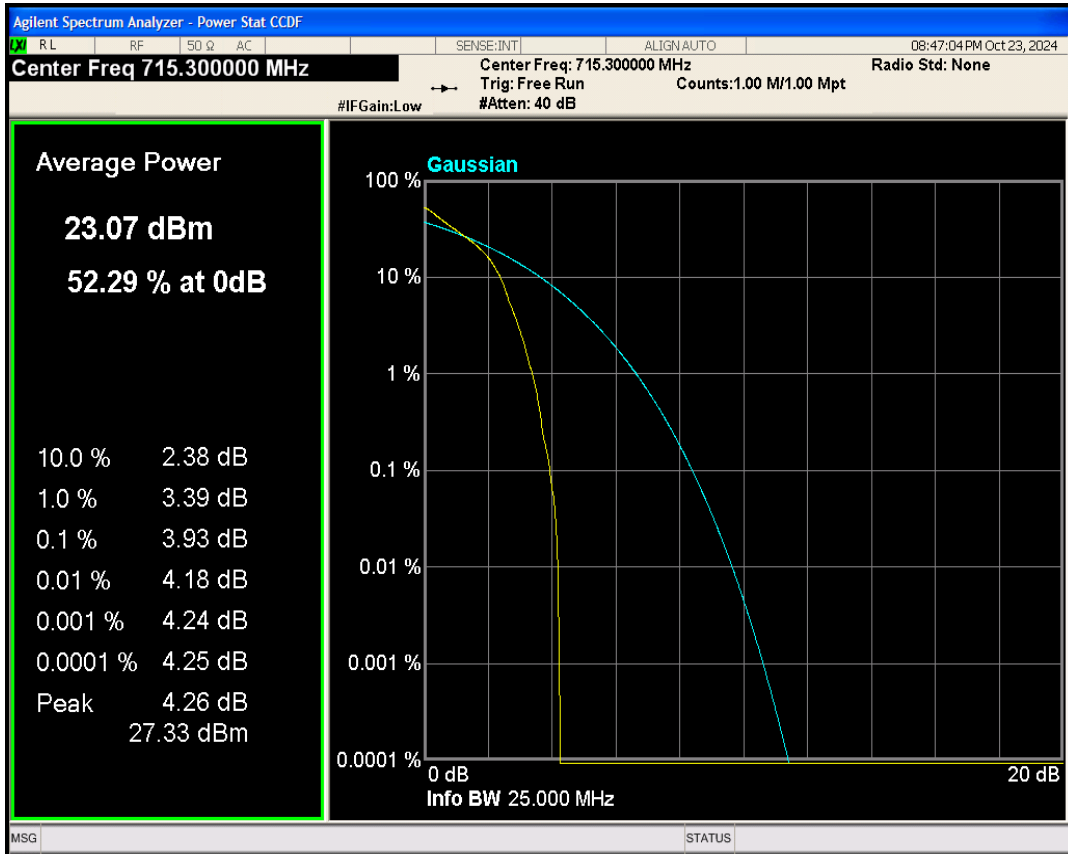
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



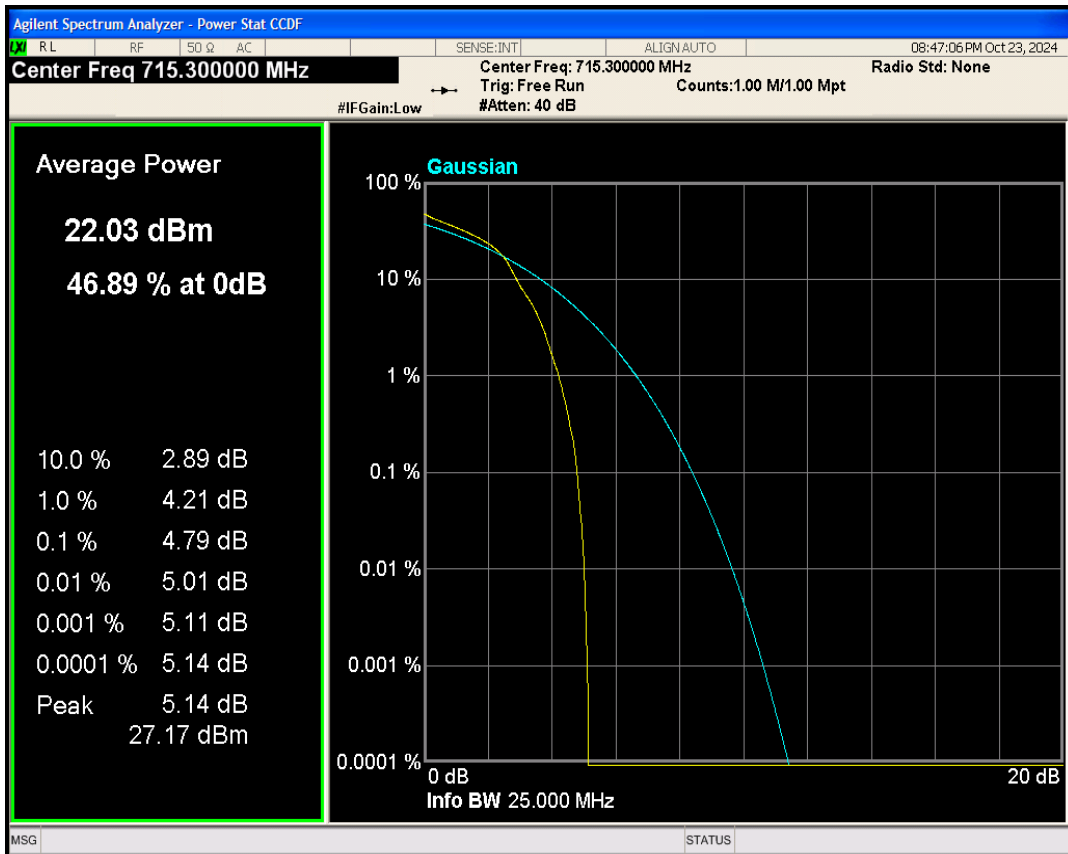
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



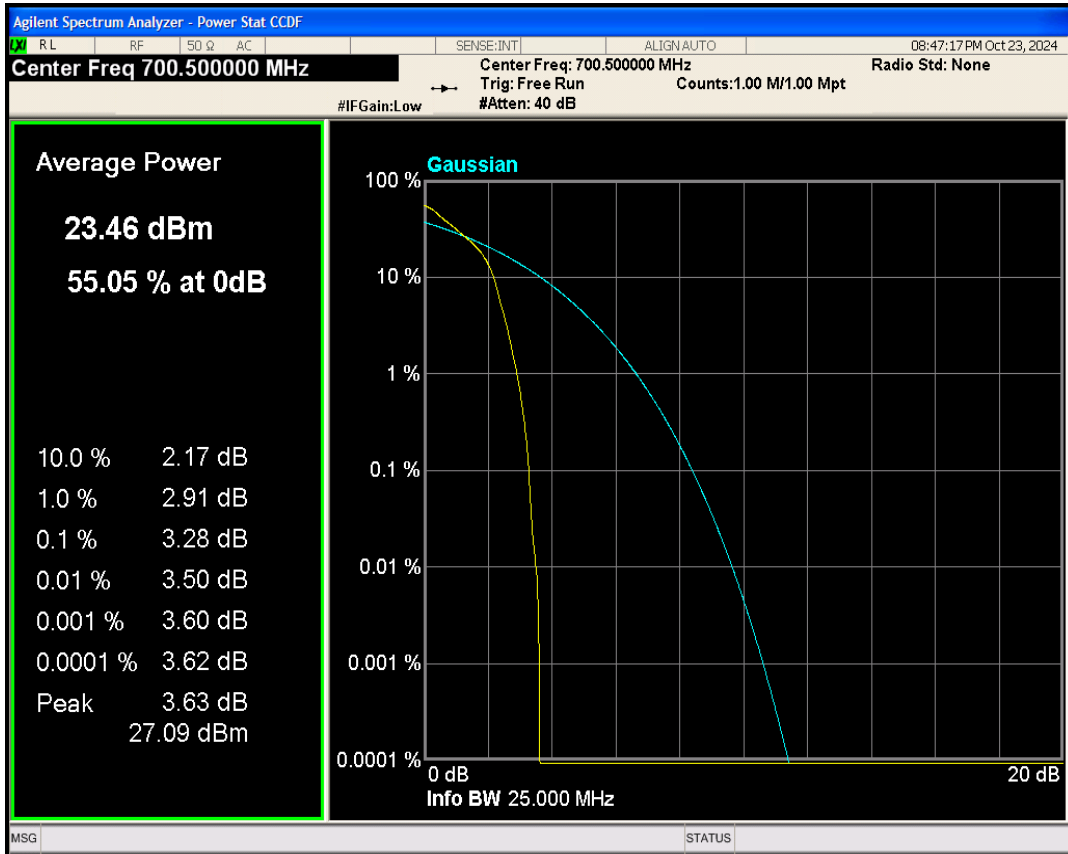
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



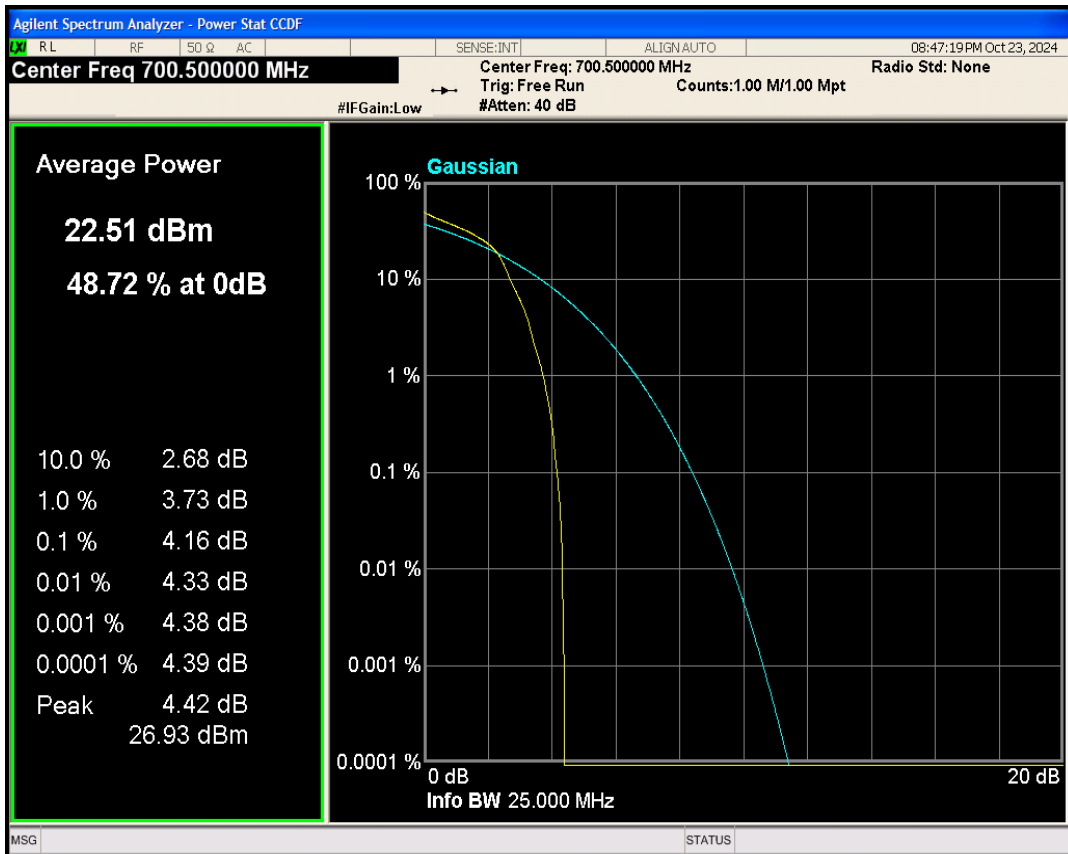
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



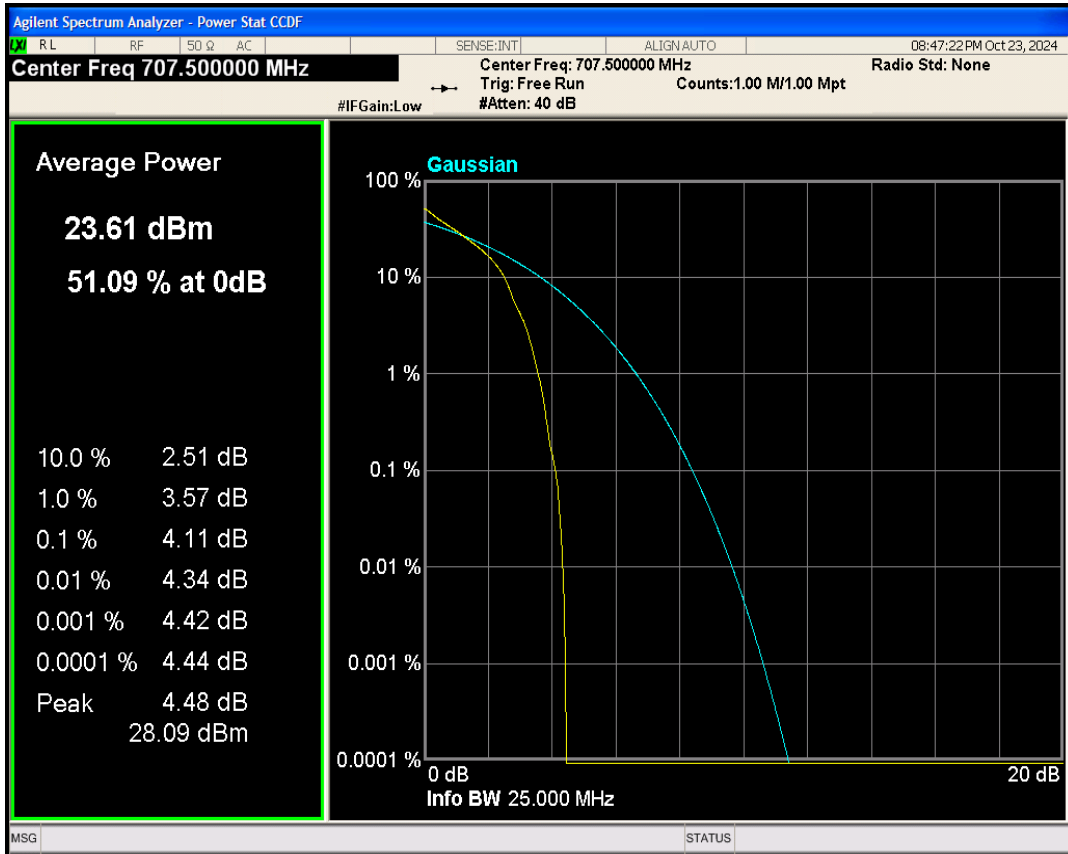
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



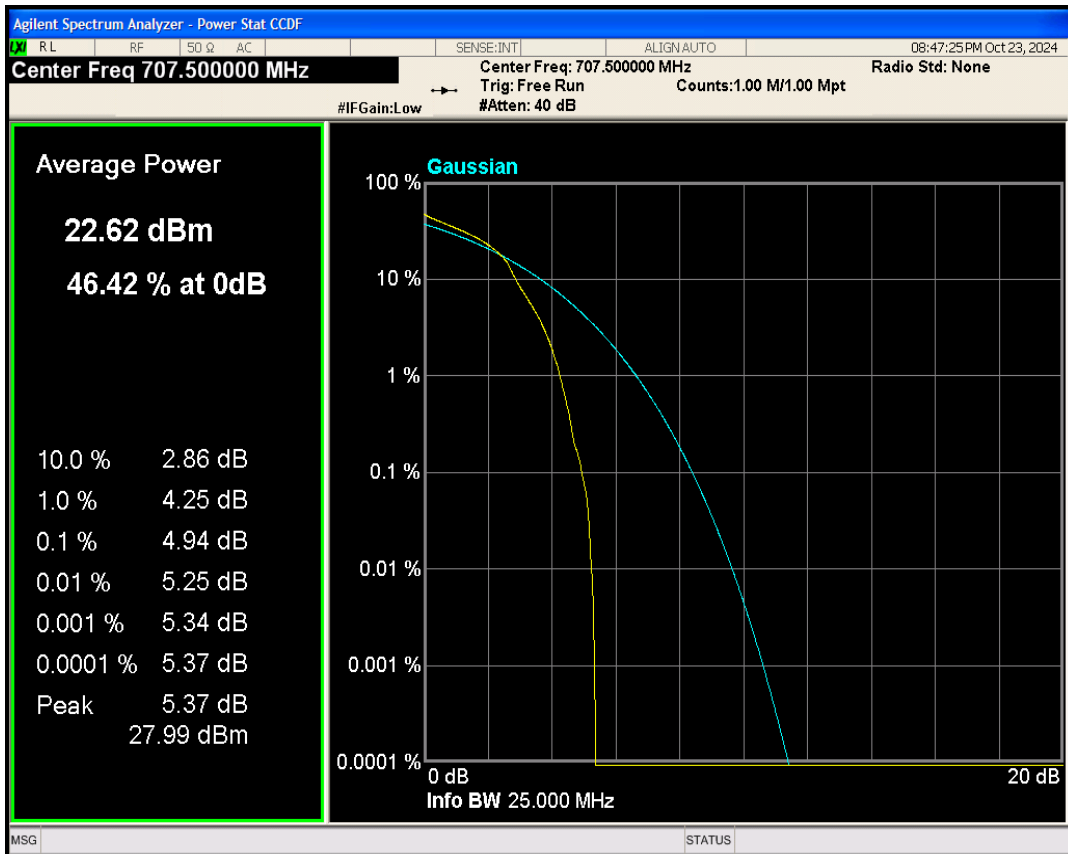
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



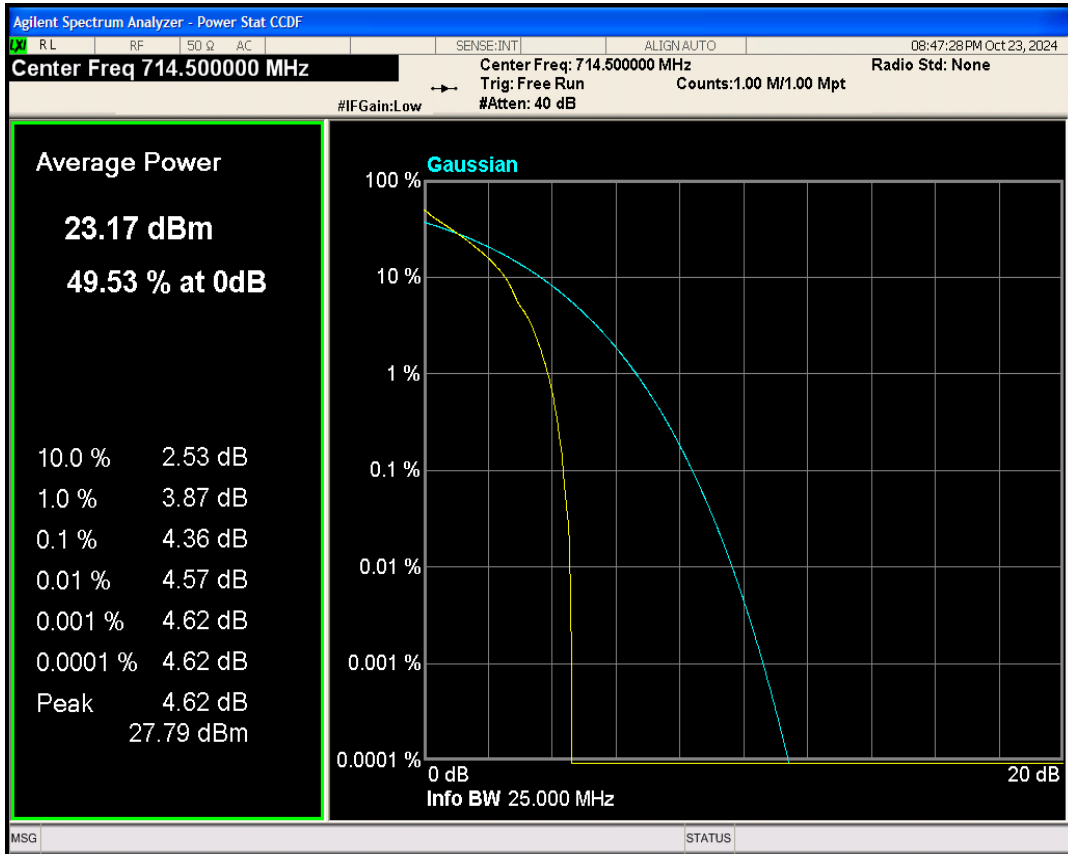
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



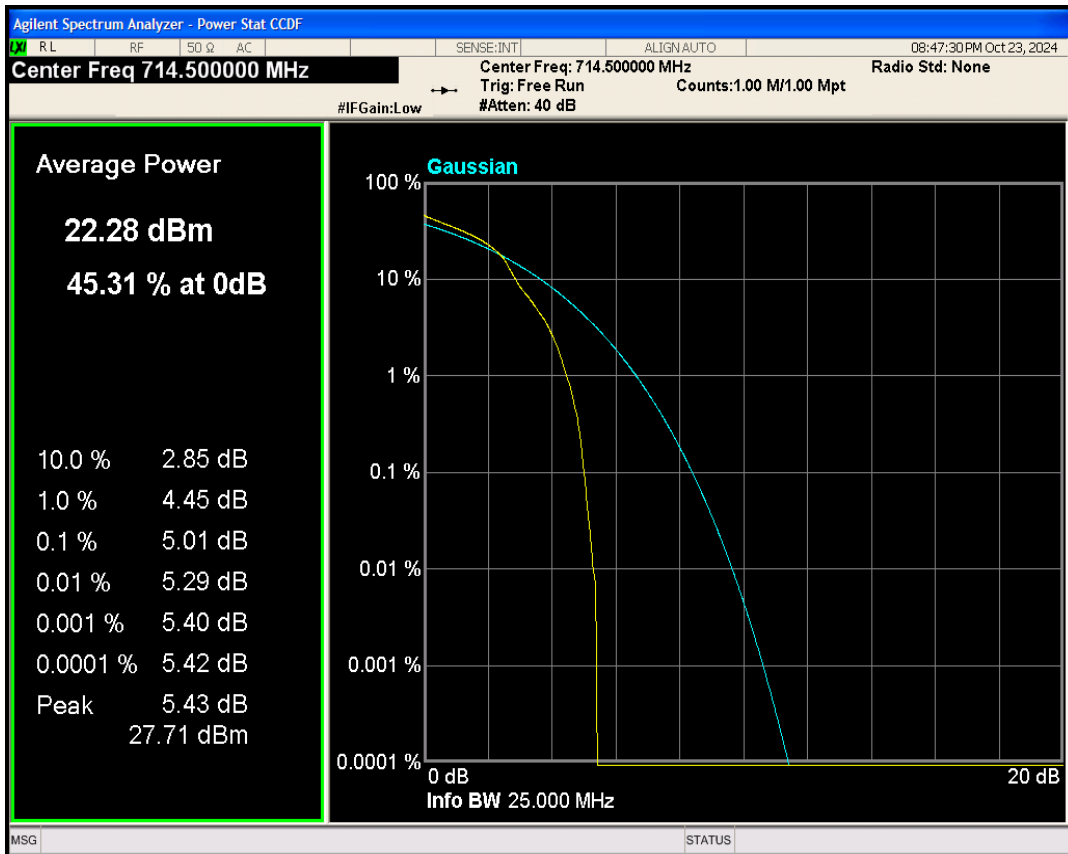
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



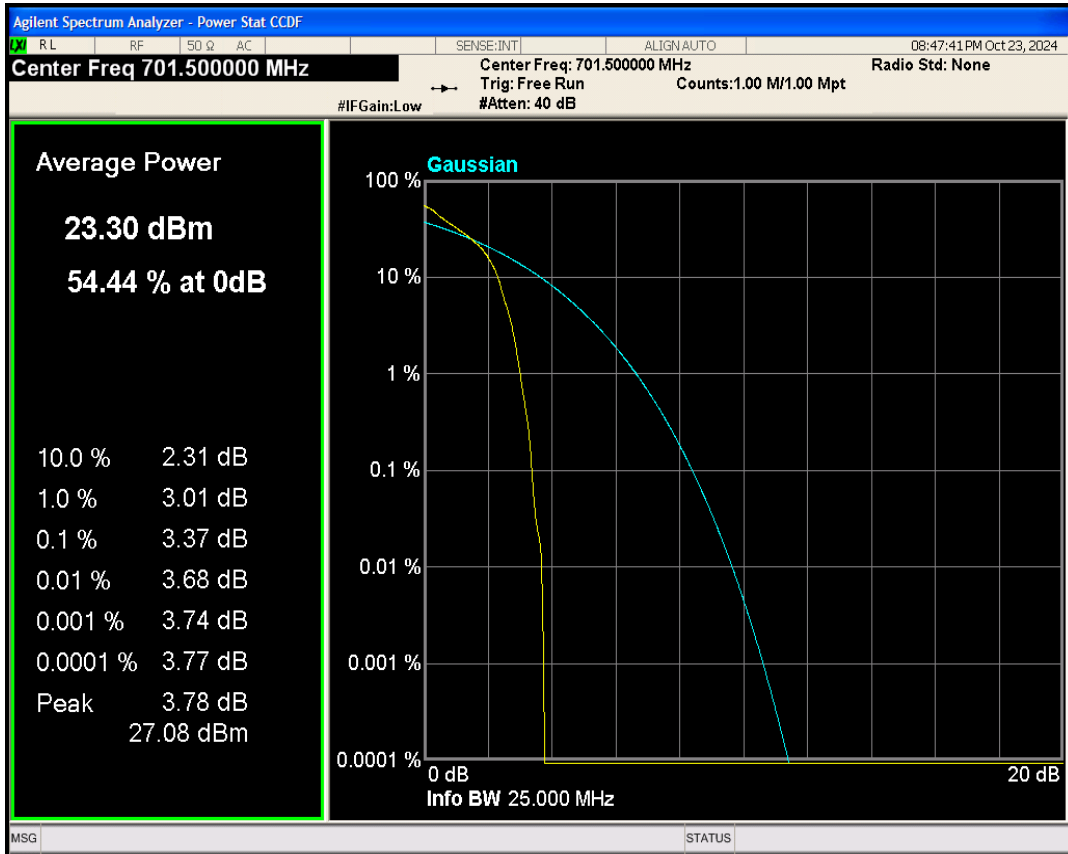
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



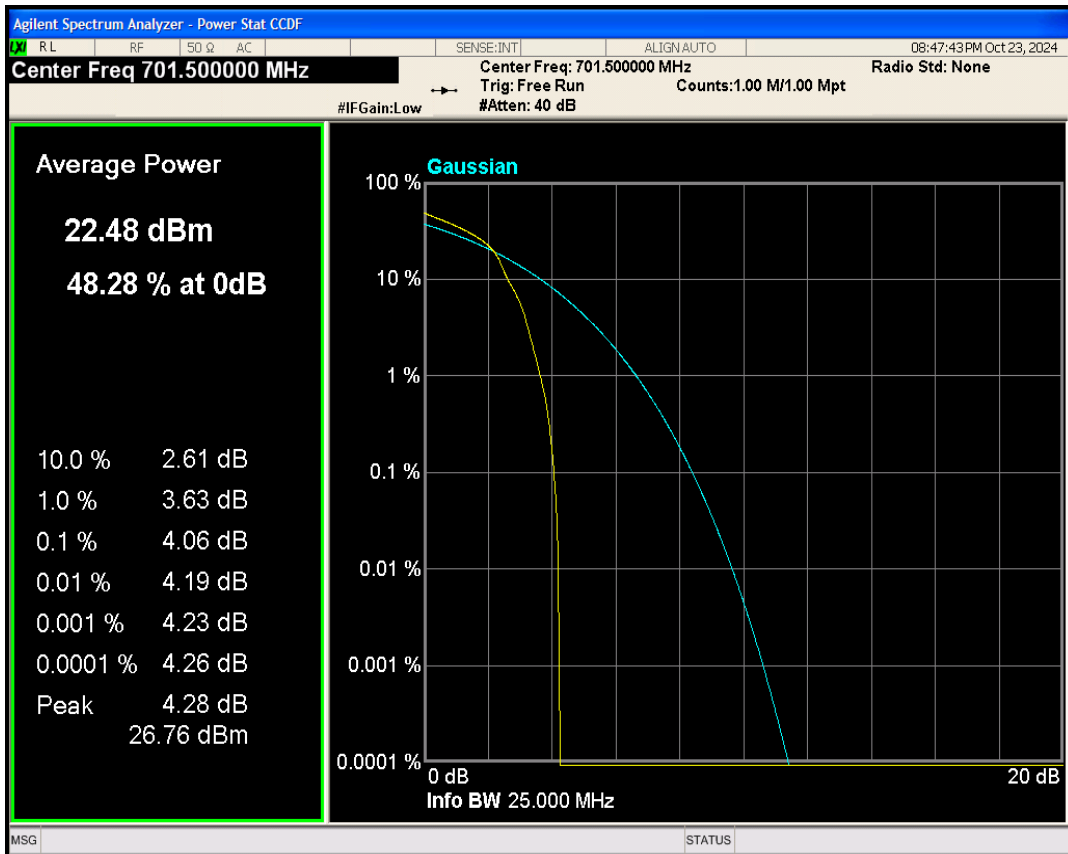
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



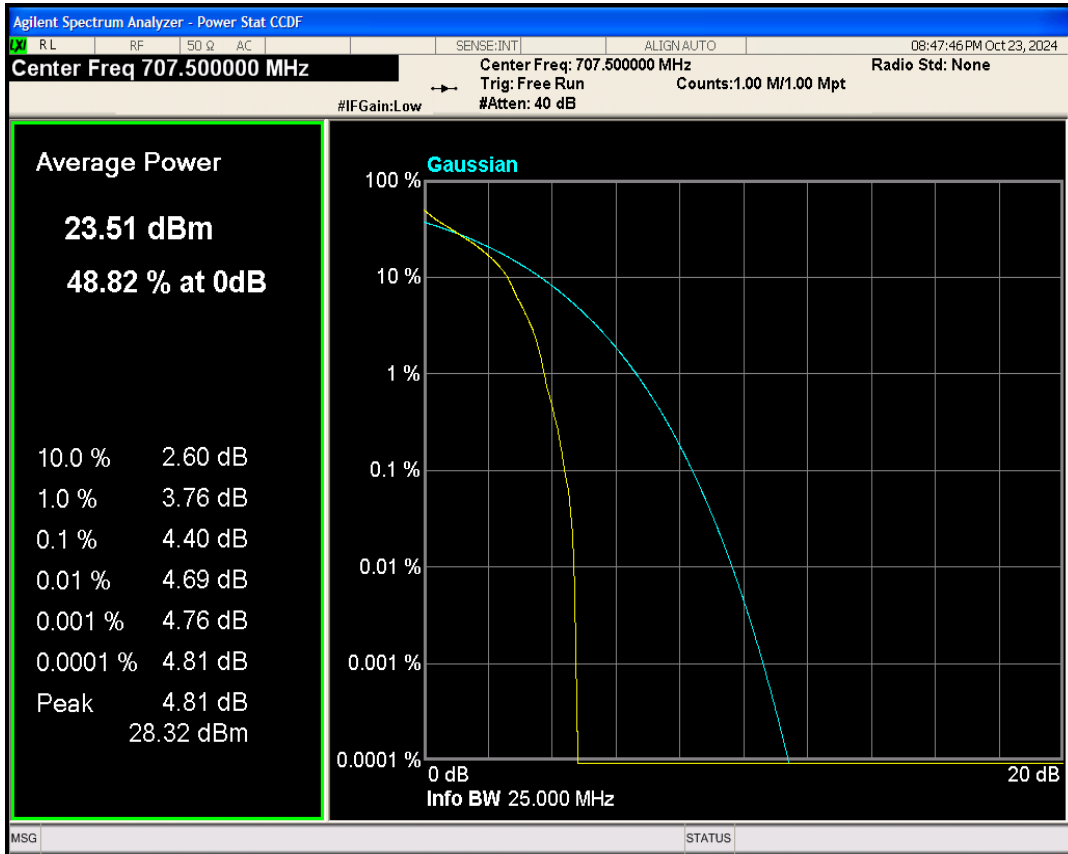
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



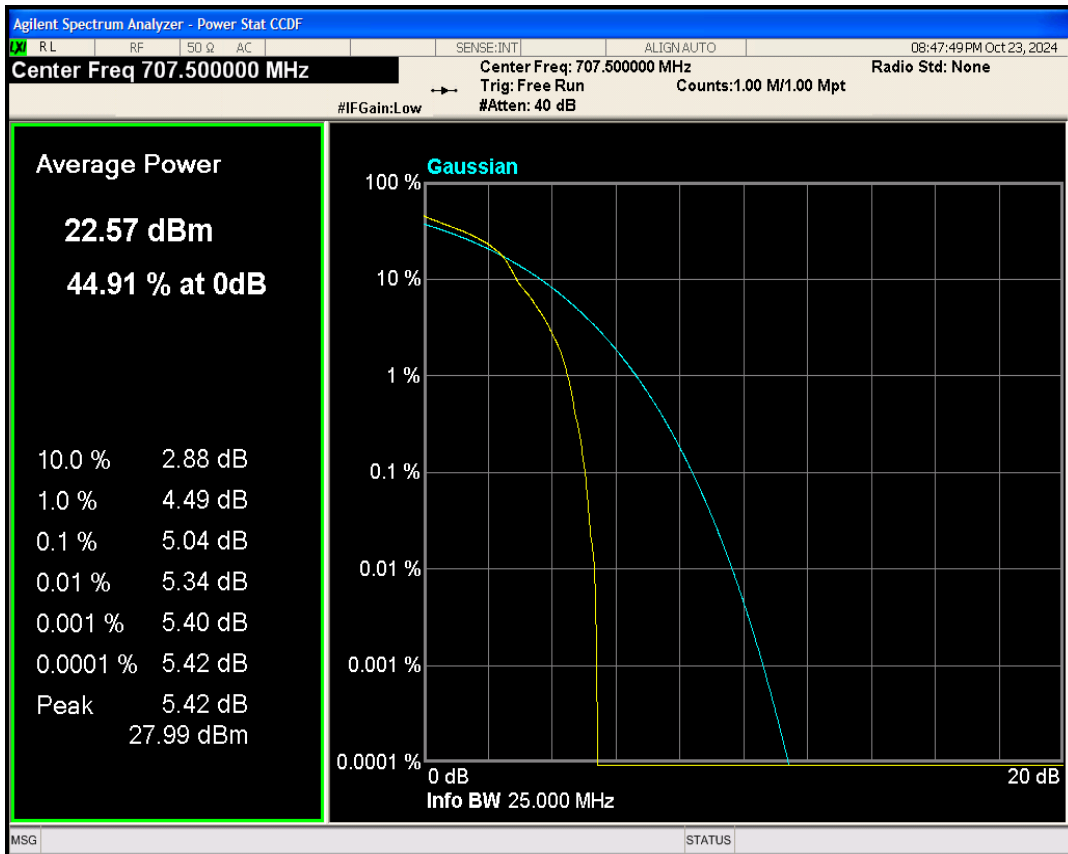
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



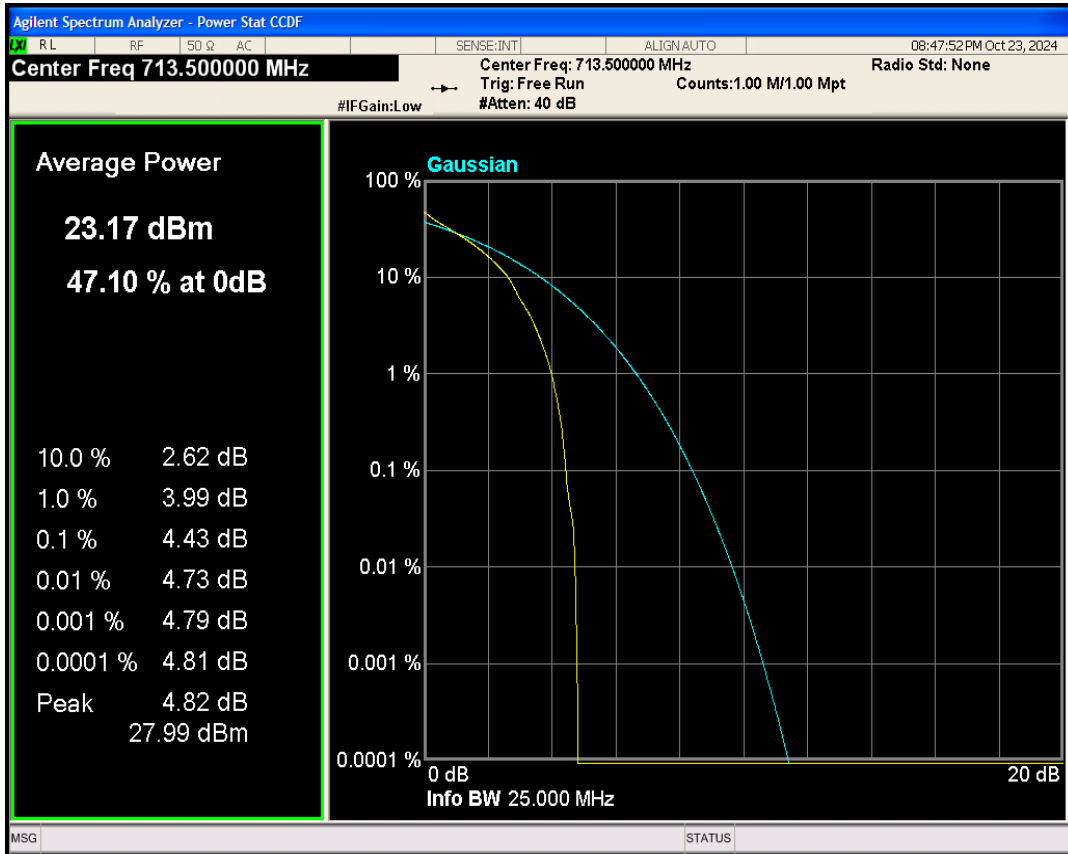
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



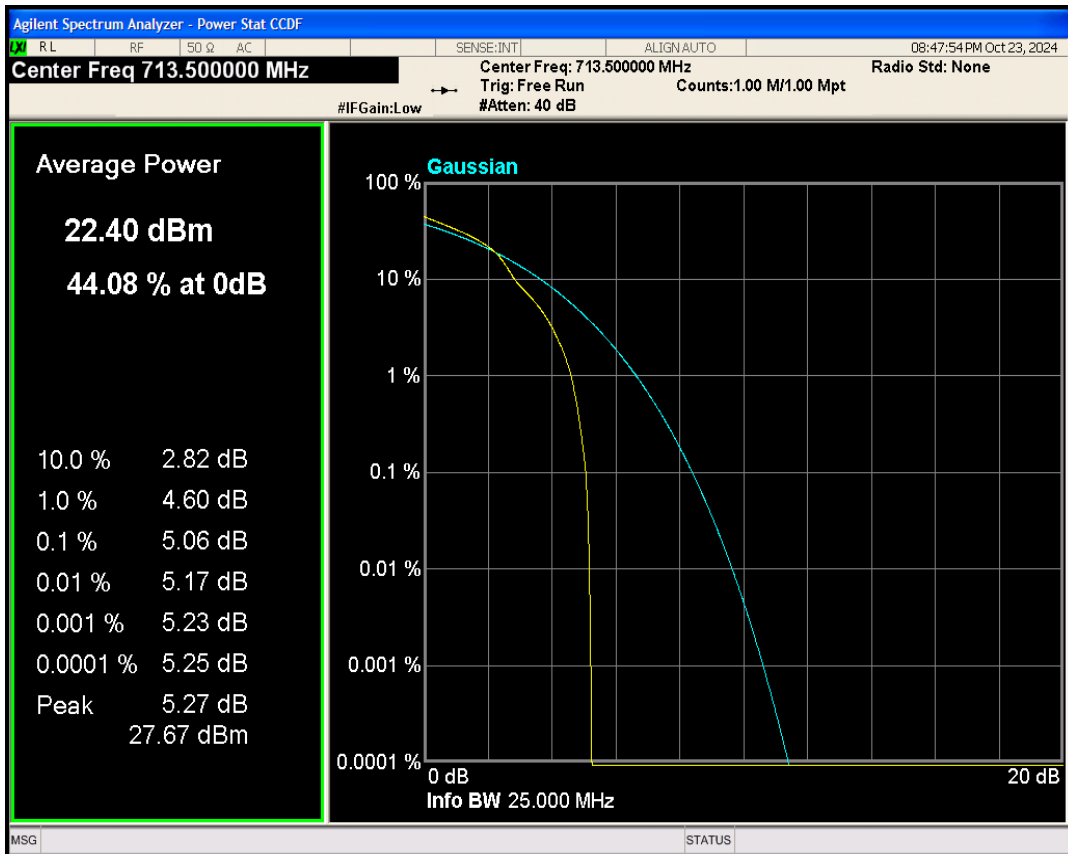
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



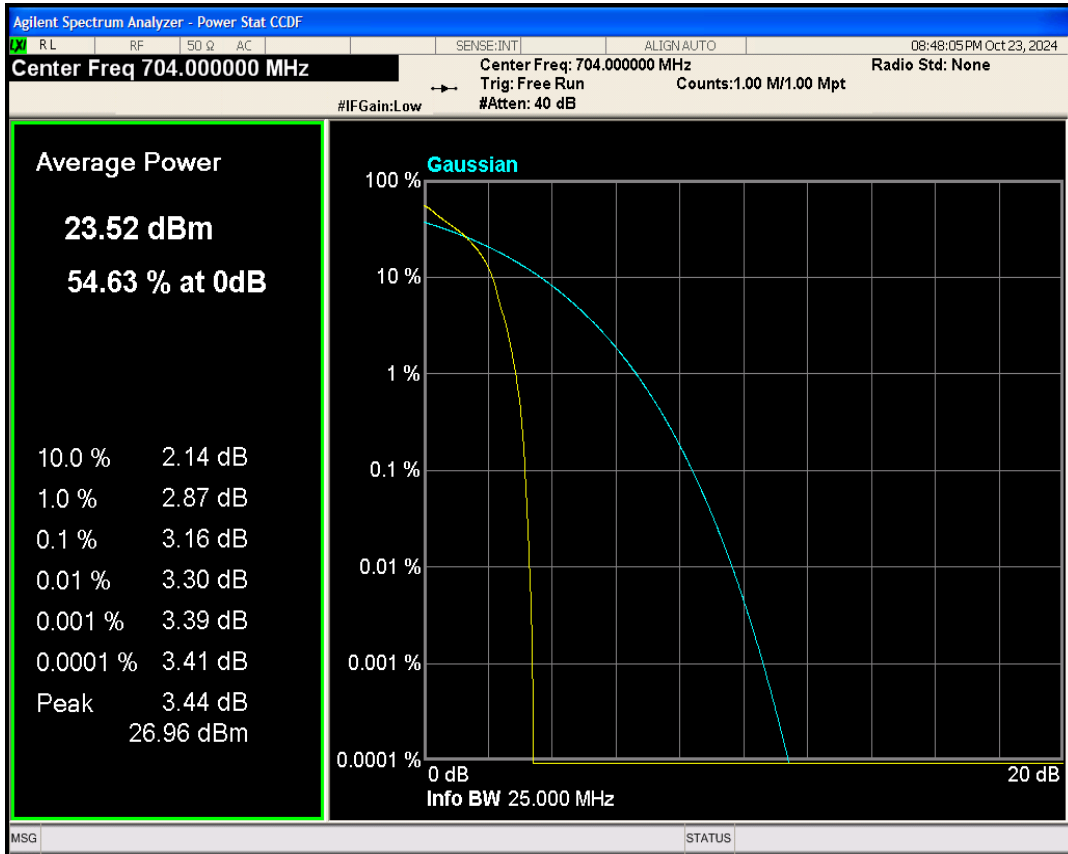
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



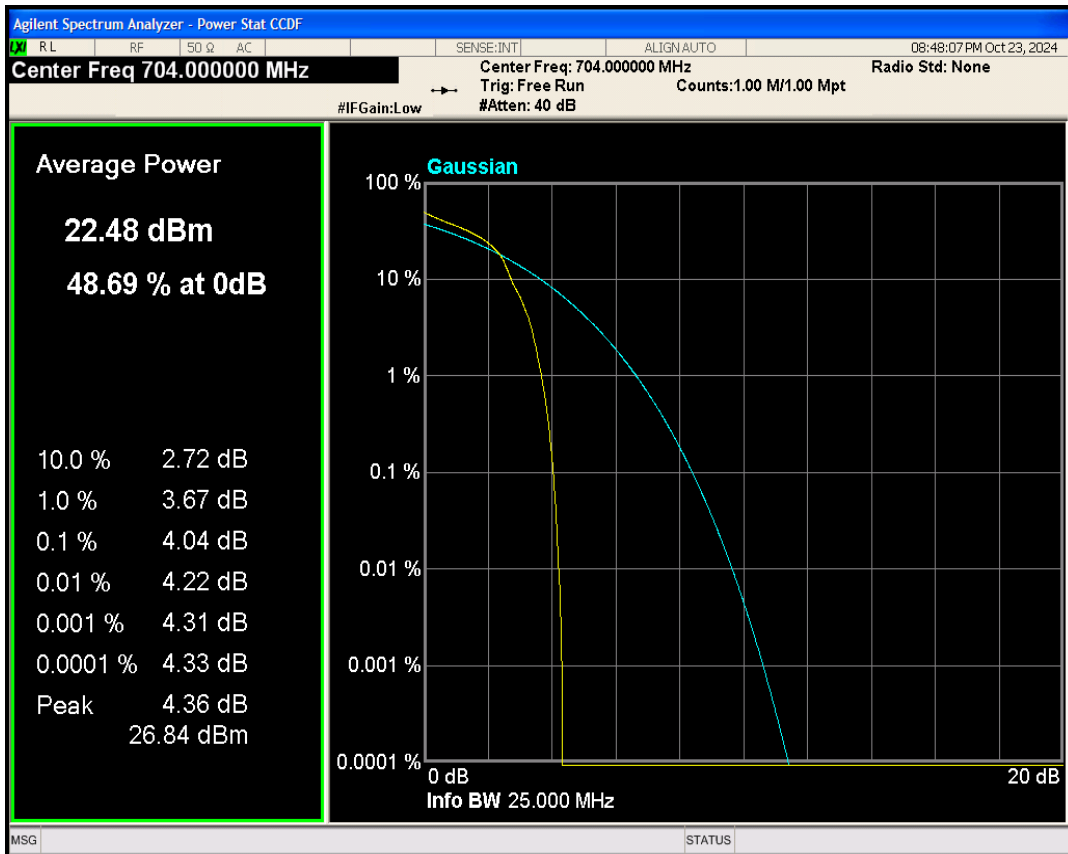
Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



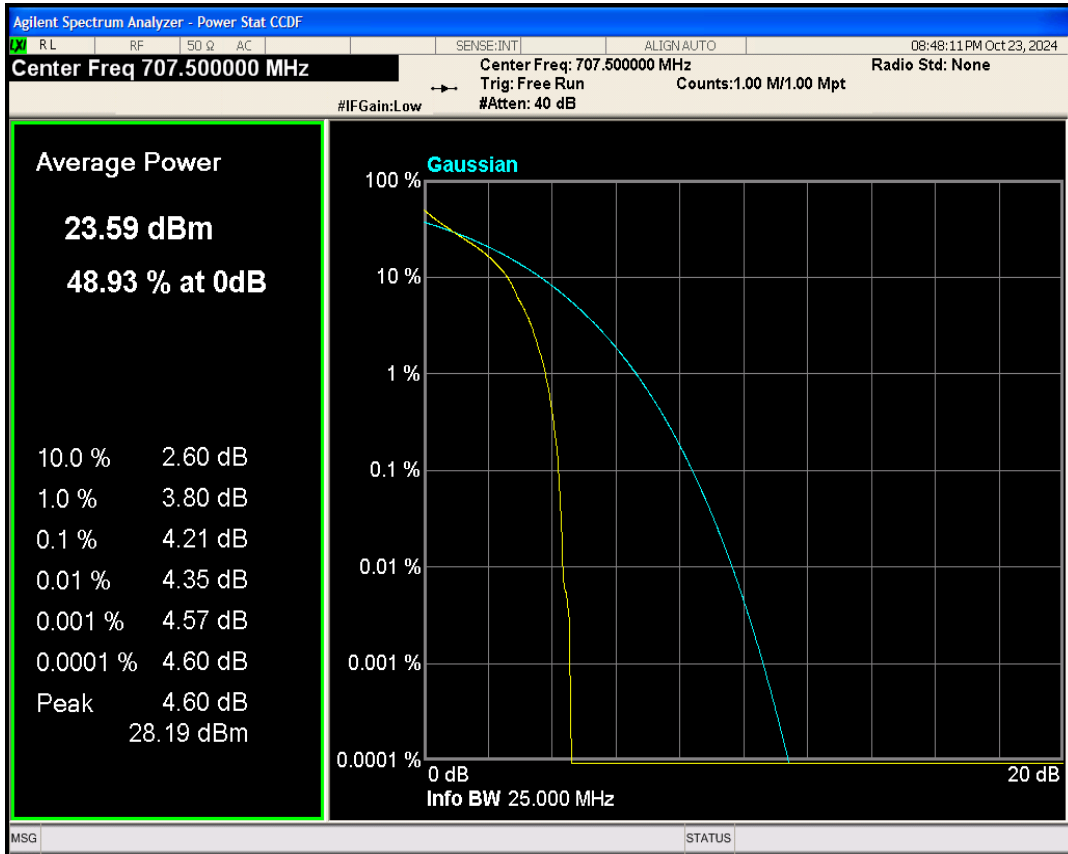
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



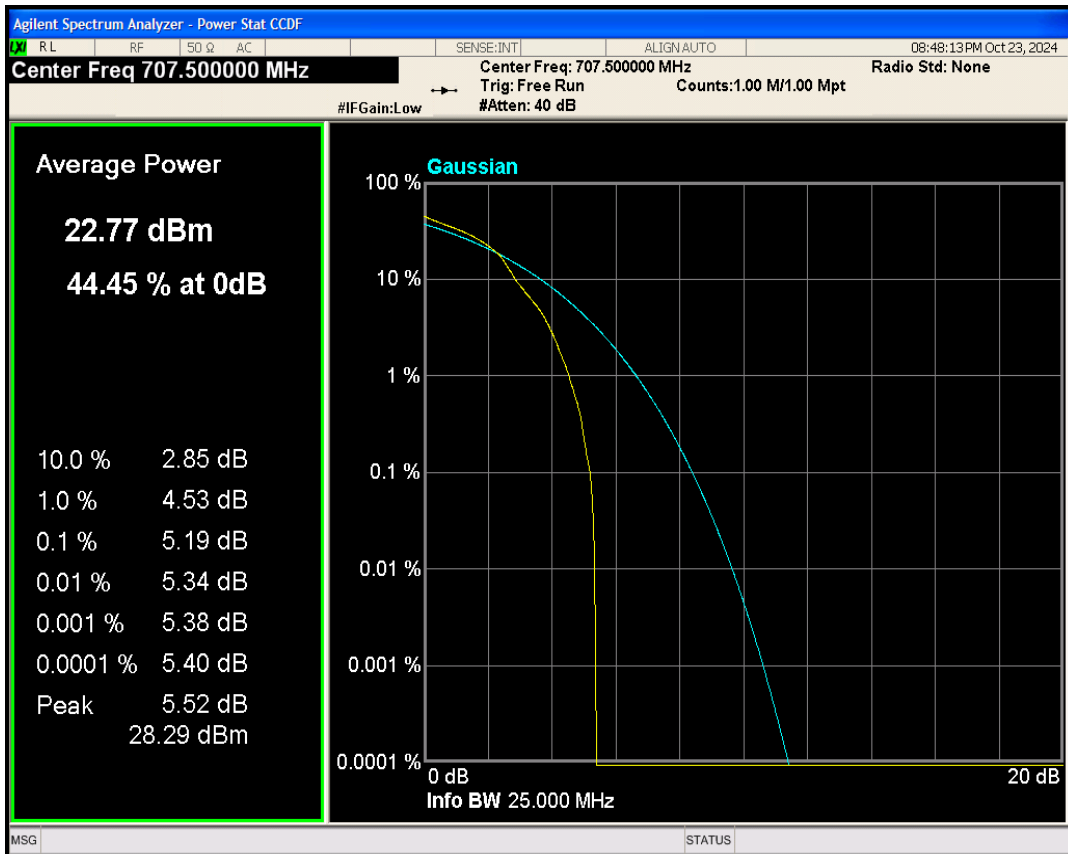
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



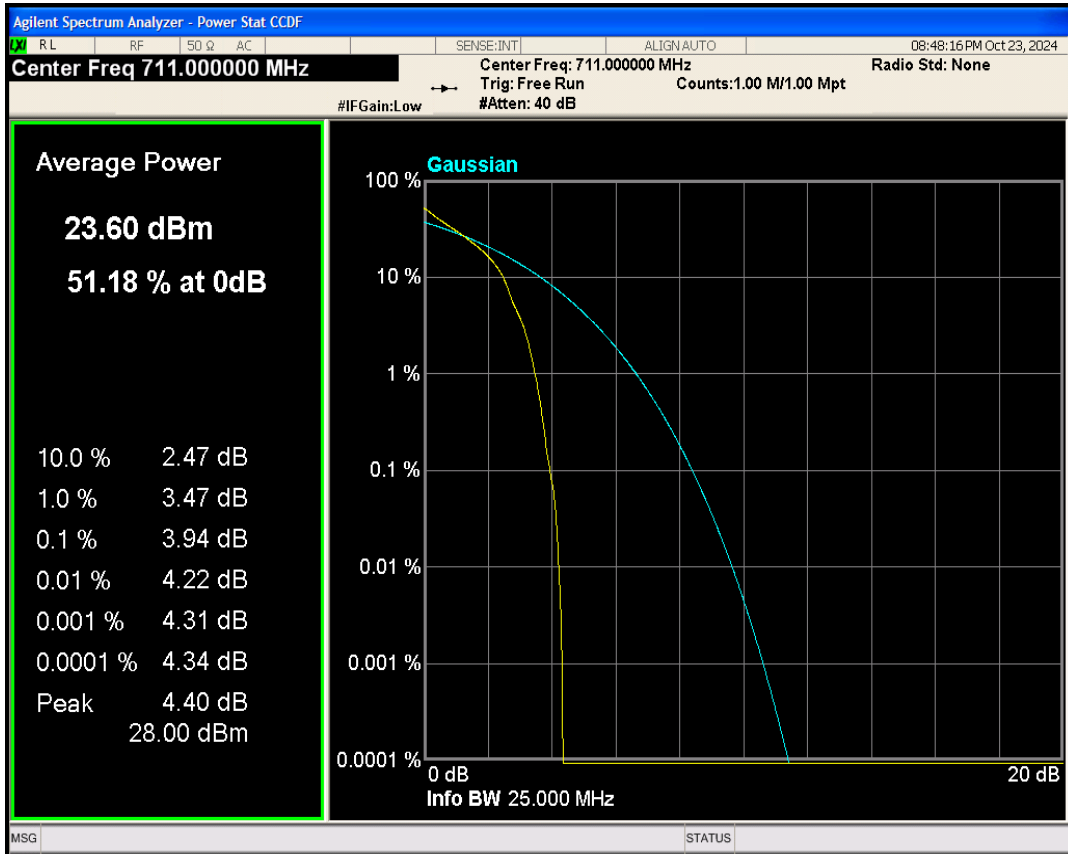
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



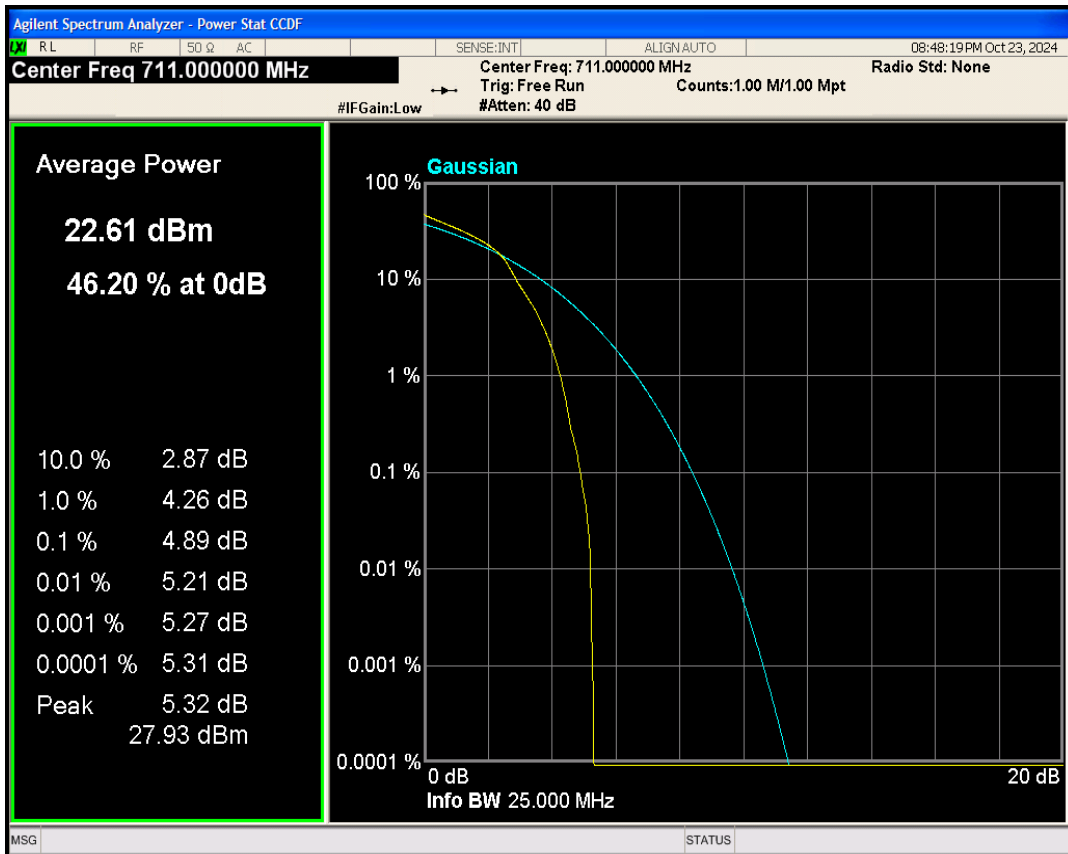
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



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



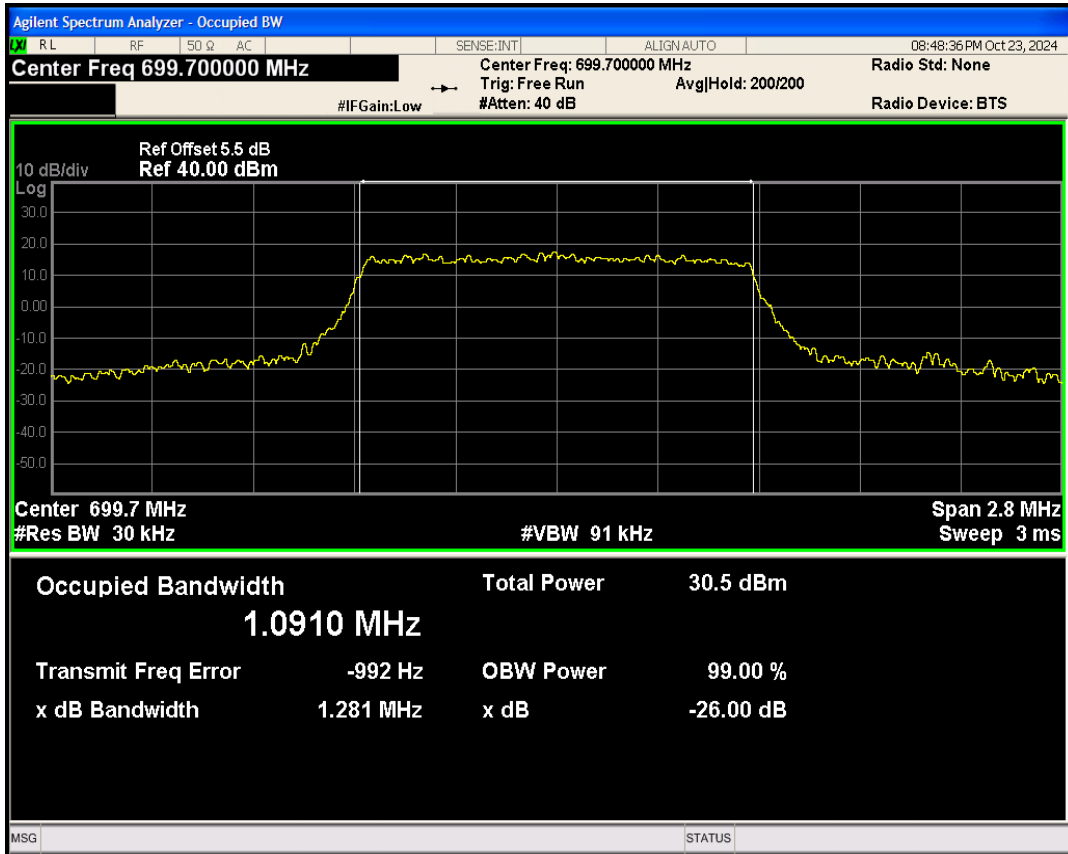
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



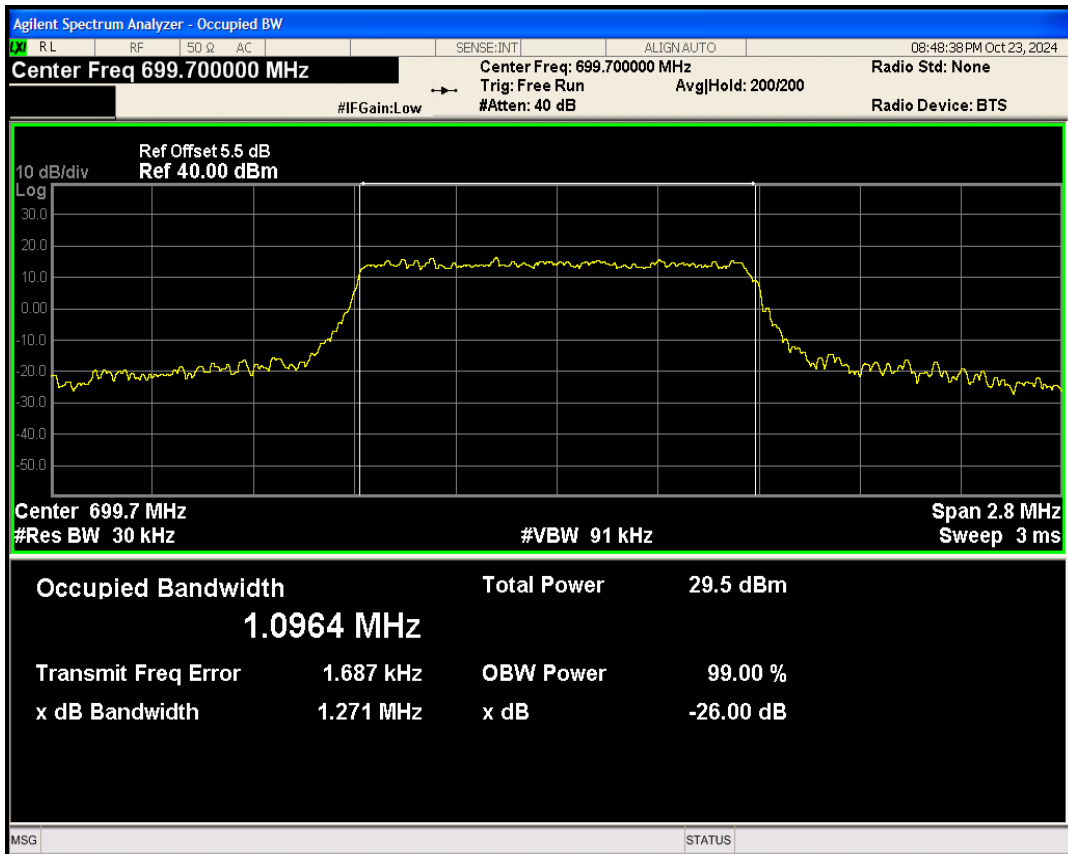
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.091	1.281	PASS
Band12	1.4	23017	6	#0	16QAM	1.096	1.271	PASS
Band12	1.4	23095	6	#0	QPSK	1.091	1.284	PASS
Band12	1.4	23095	6	#0	16QAM	1.092	1.277	PASS
Band12	1.4	23173	6	#0	QPSK	1.098	1.272	PASS
Band12	1.4	23173	6	#0	16QAM	1.098	1.310	PASS
Band12	3	23025	15	#0	QPSK	2.690	2.922	PASS
Band12	3	23025	15	#0	16QAM	2.680	2.914	PASS
Band12	3	23095	15	#0	QPSK	2.689	2.937	PASS
Band12	3	23095	15	#0	16QAM	2.688	2.907	PASS
Band12	3	23165	15	#0	QPSK	2.694	2.914	PASS
Band12	3	23165	15	#0	16QAM	2.690	2.934	PASS
Band12	5	23035	25	#0	QPSK	4.516	5.103	PASS
Band12	5	23035	25	#0	16QAM	4.531	5.067	PASS
Band12	5	23095	25	#0	QPSK	4.522	5.110	PASS
Band12	5	23095	25	#0	16QAM	4.511	5.138	PASS
Band12	5	23155	25	#0	QPSK	4.519	5.110	PASS
Band12	5	23155	25	#0	16QAM	4.554	5.110	PASS
Band12	10	23060	50	#0	QPSK	9.031	10.086	PASS
Band12	10	23060	50	#0	16QAM	9.038	10.058	PASS
Band12	10	23095	50	#0	QPSK	8.989	10.089	PASS
Band12	10	23095	50	#0	16QAM	8.992	9.831	PASS
Band12	10	23130	50	#0	QPSK	9.004	9.939	PASS
Band12	10	23130	50	#0	16QAM	8.998	10.107	PASS

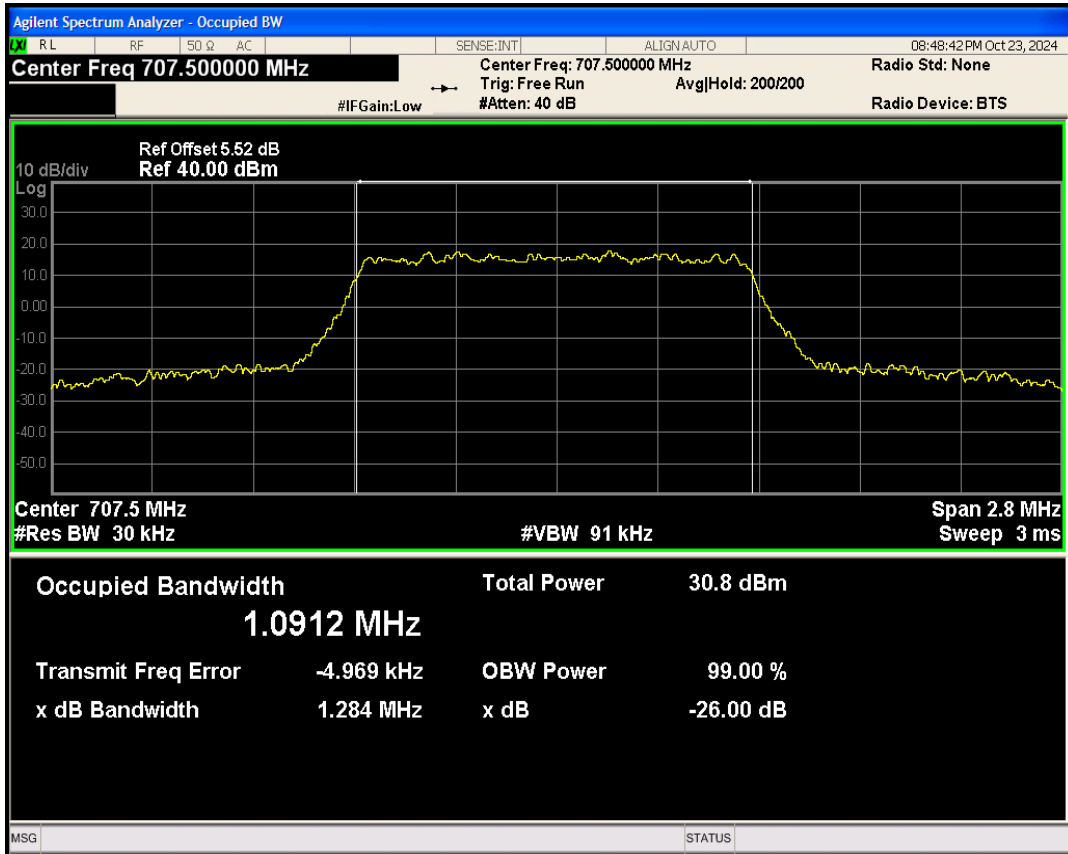
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



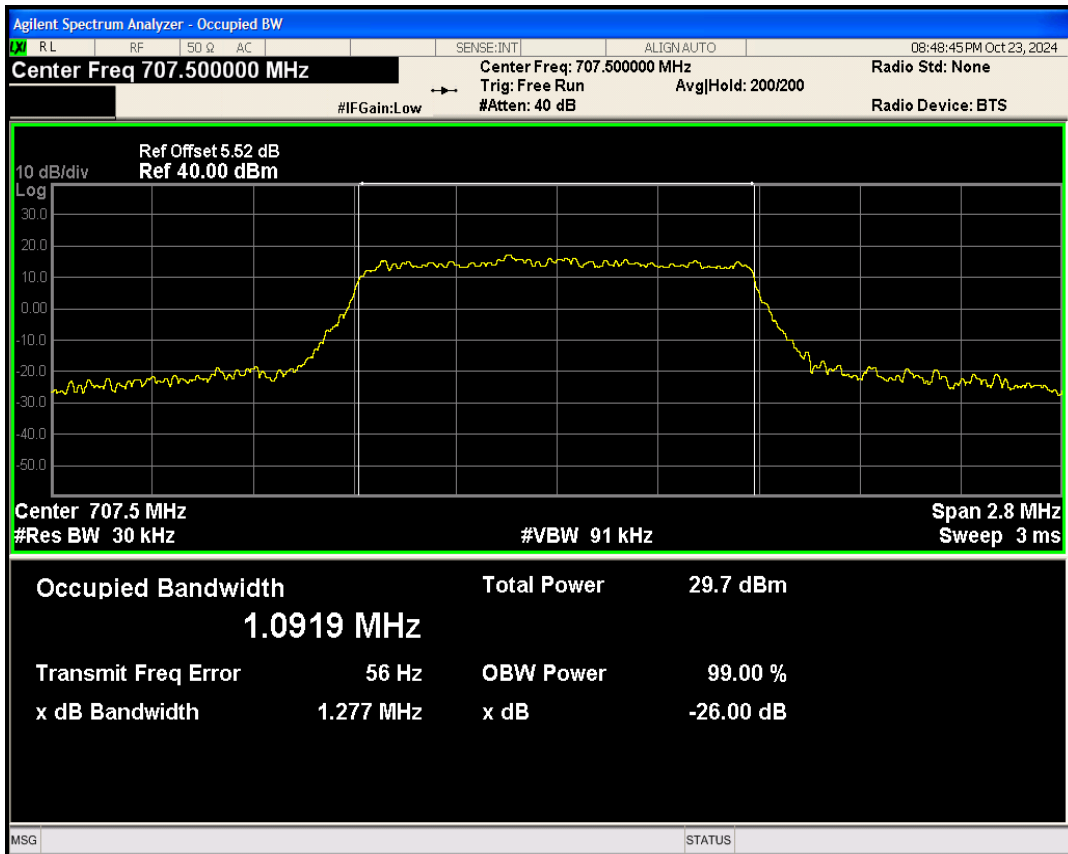
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



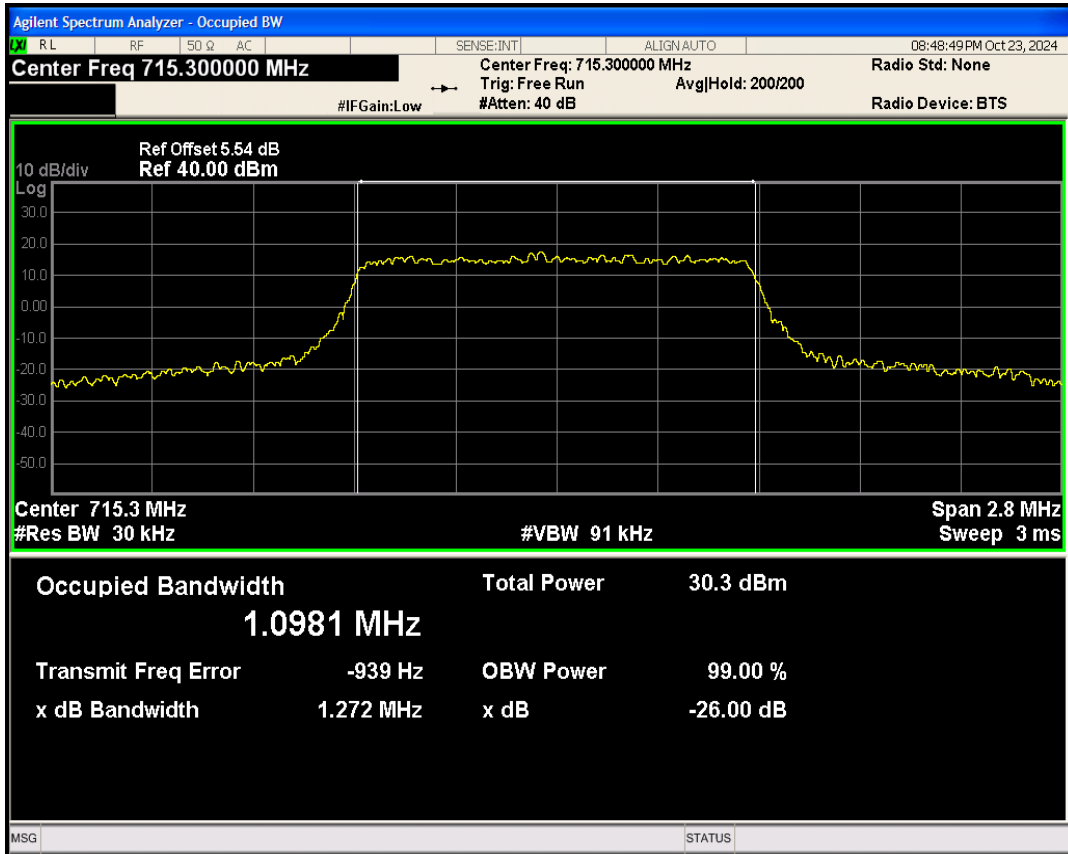
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



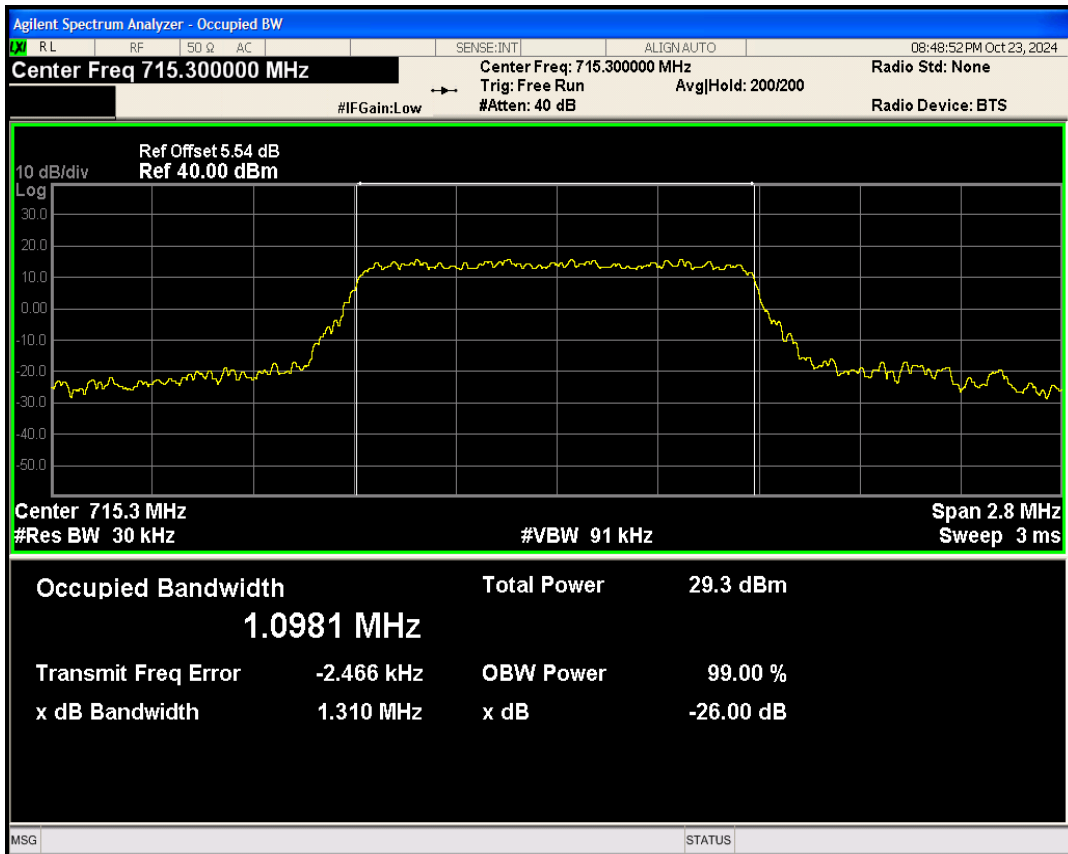
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



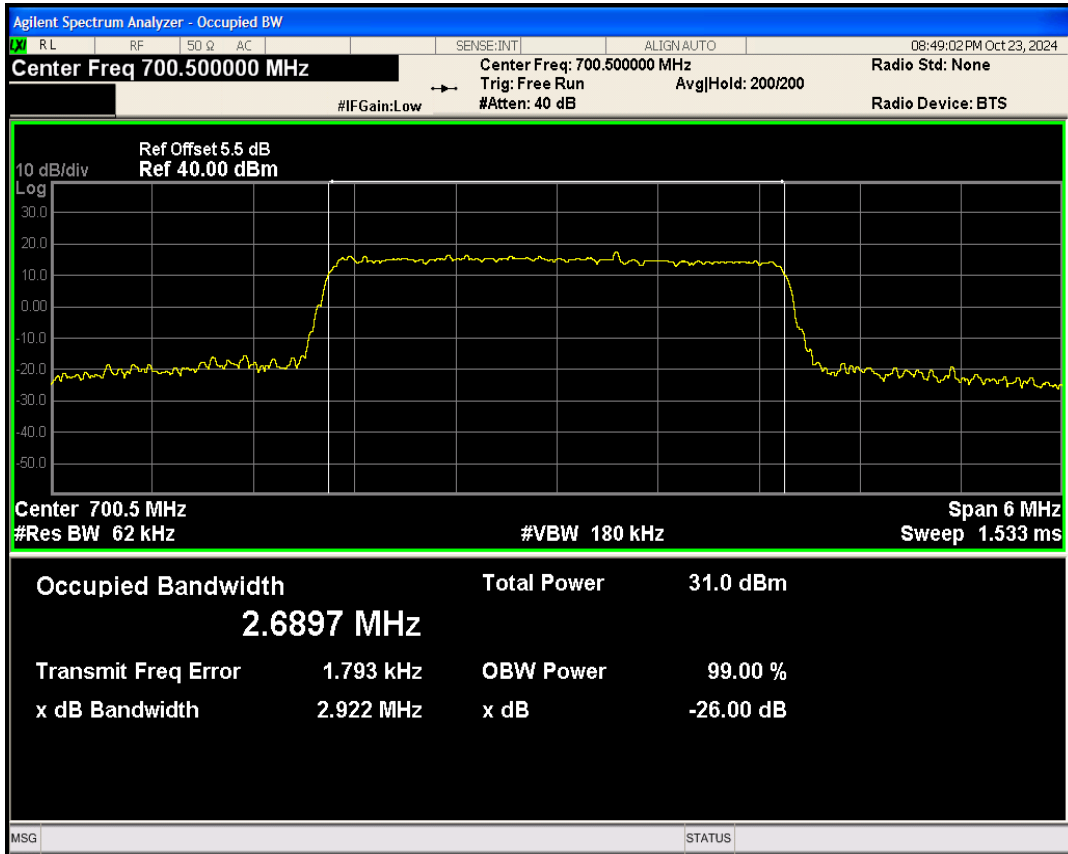
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



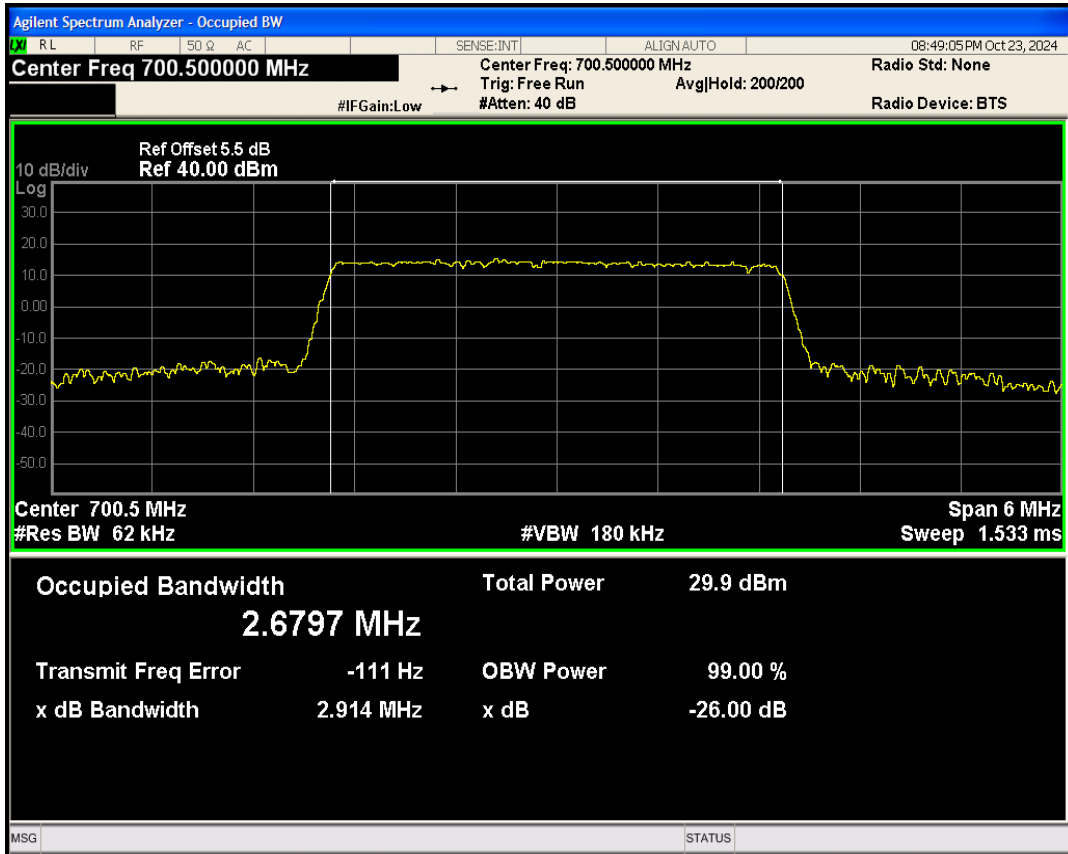
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



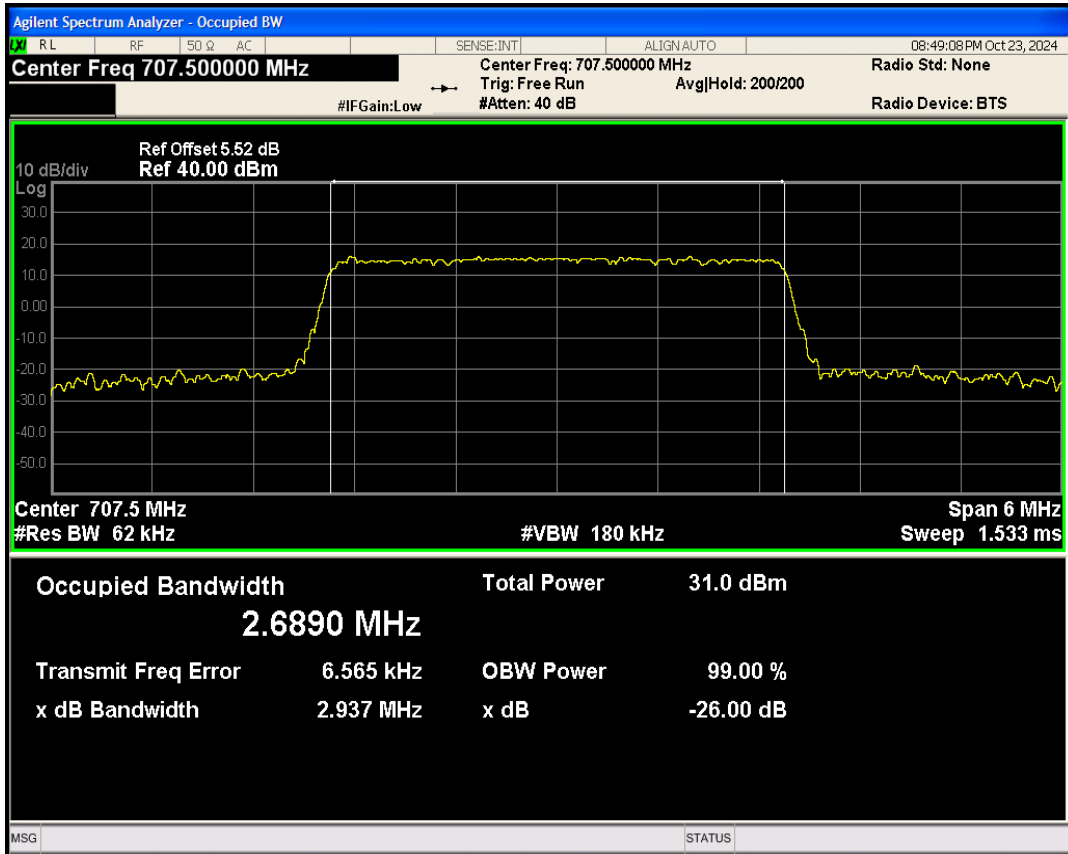
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



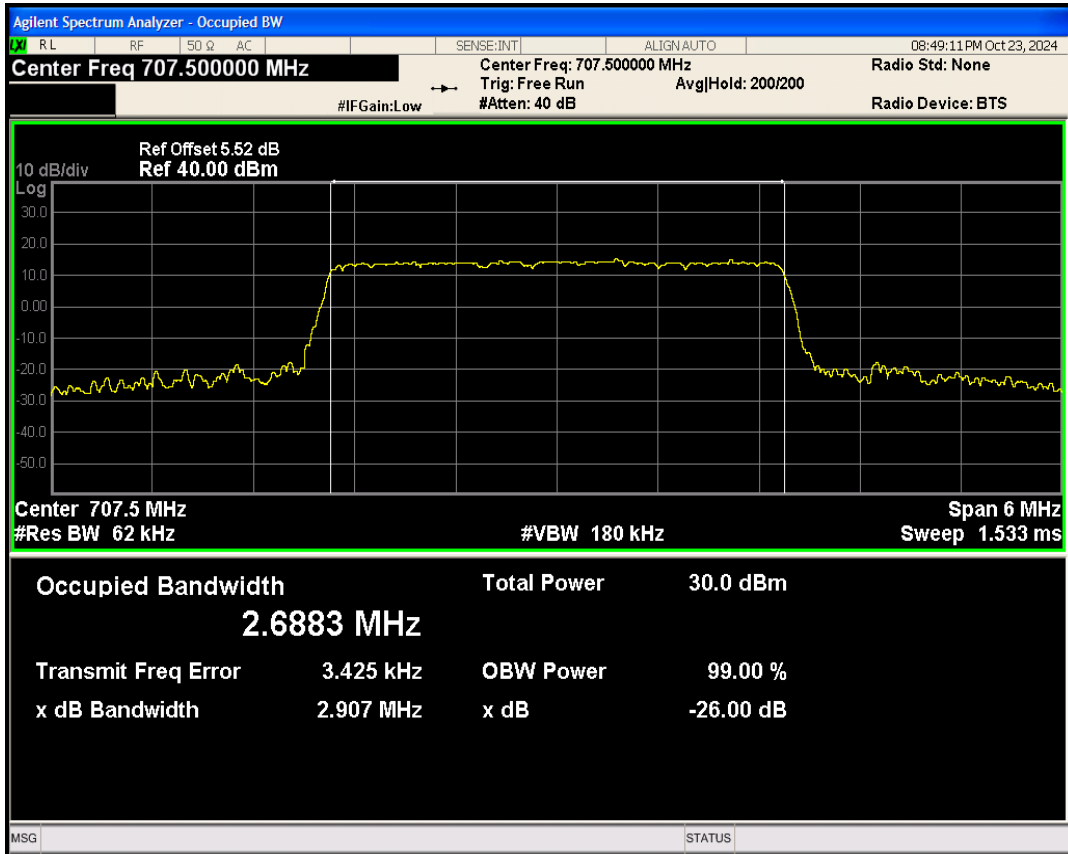
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



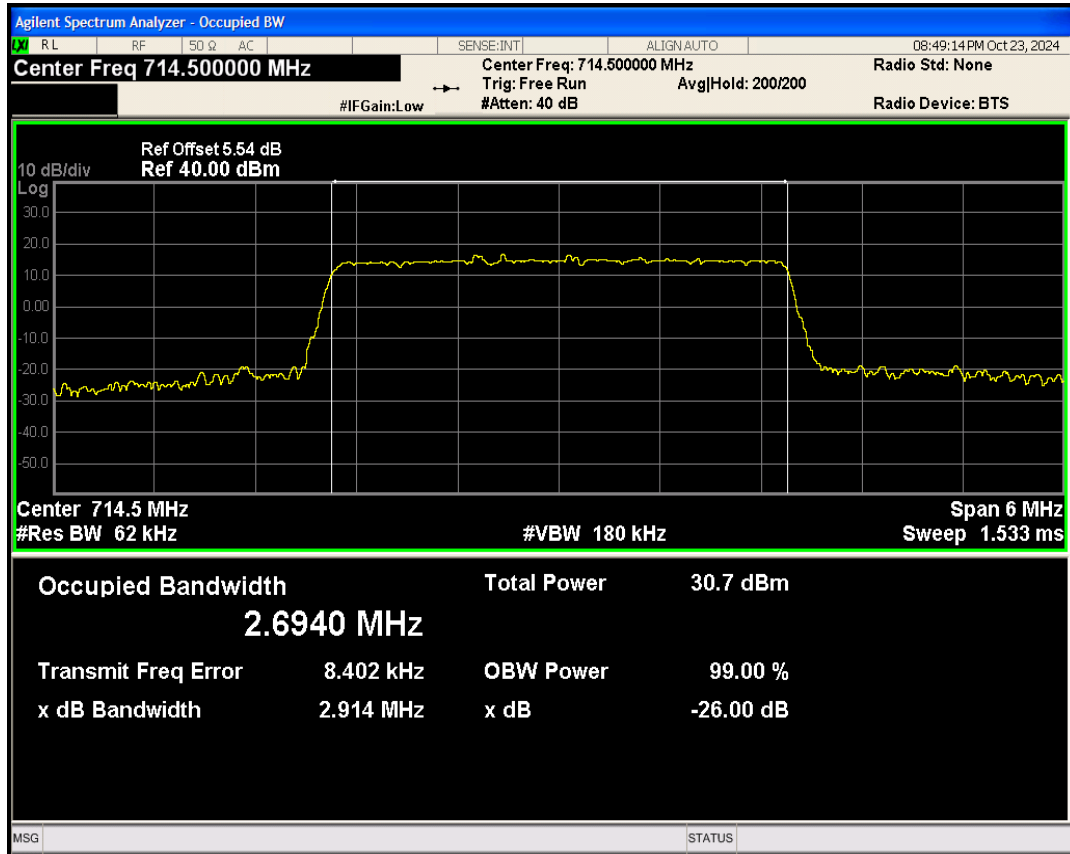
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



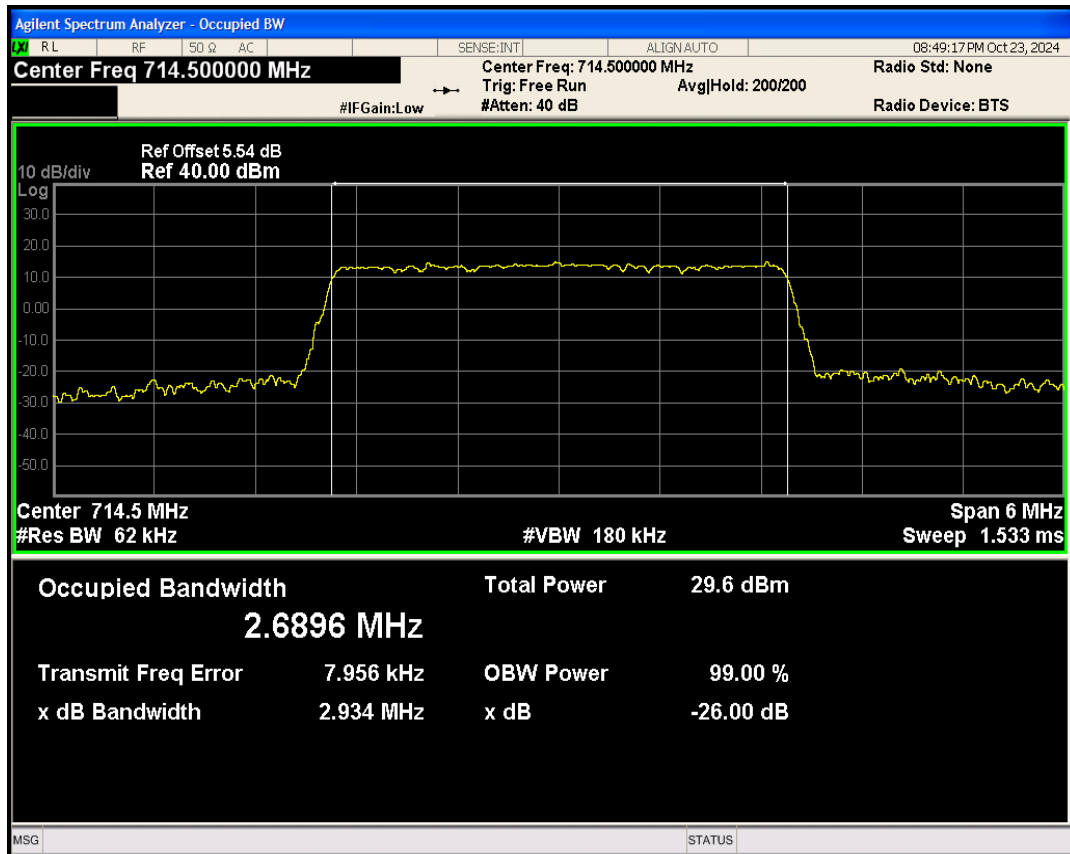
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



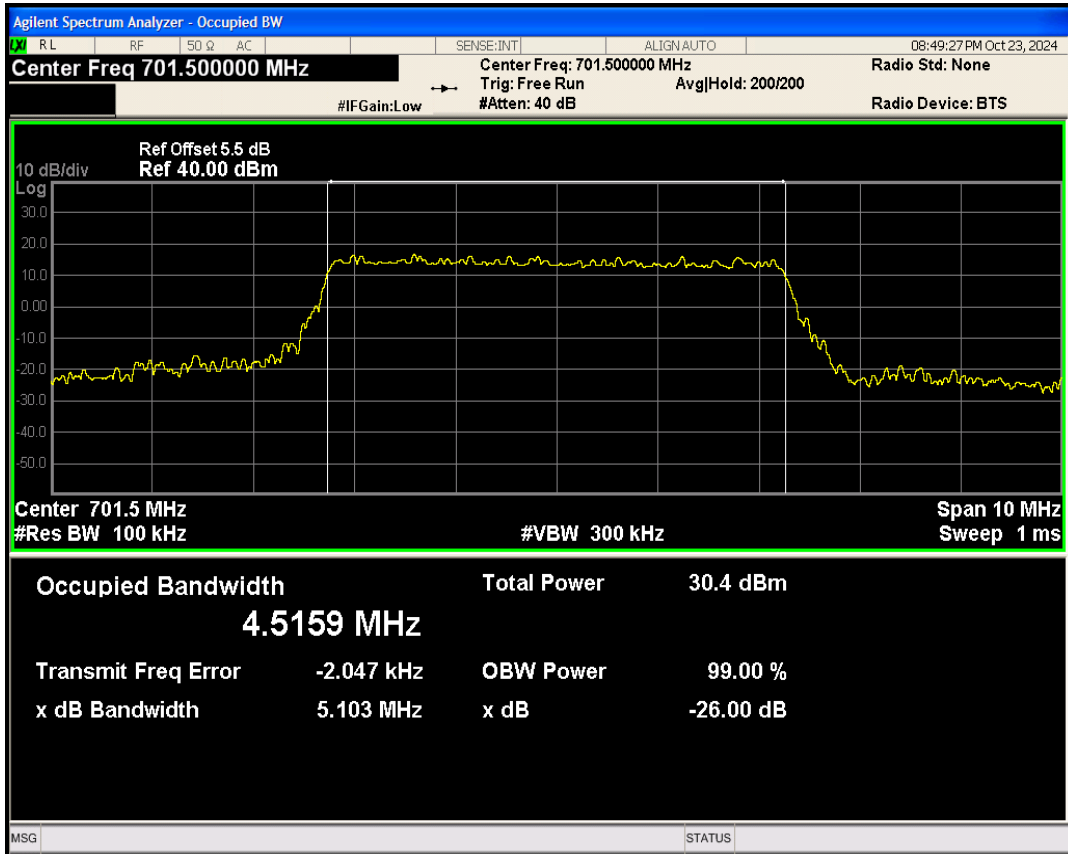
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



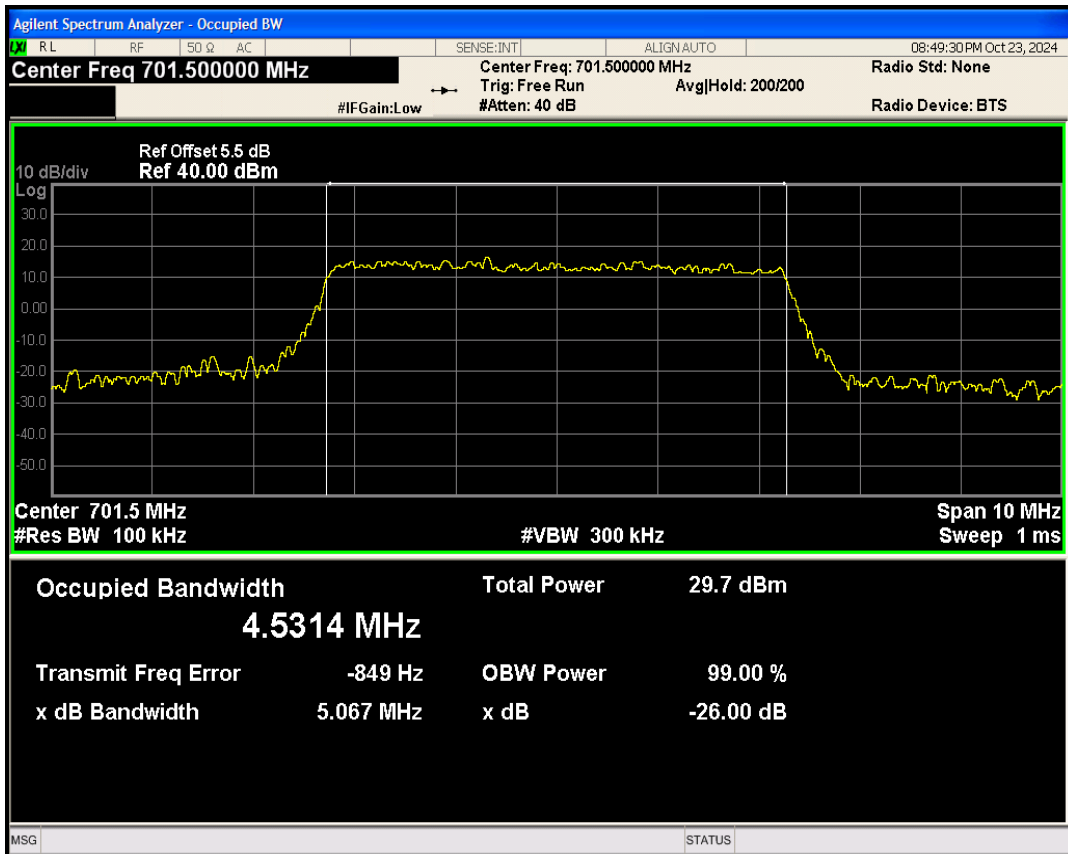
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



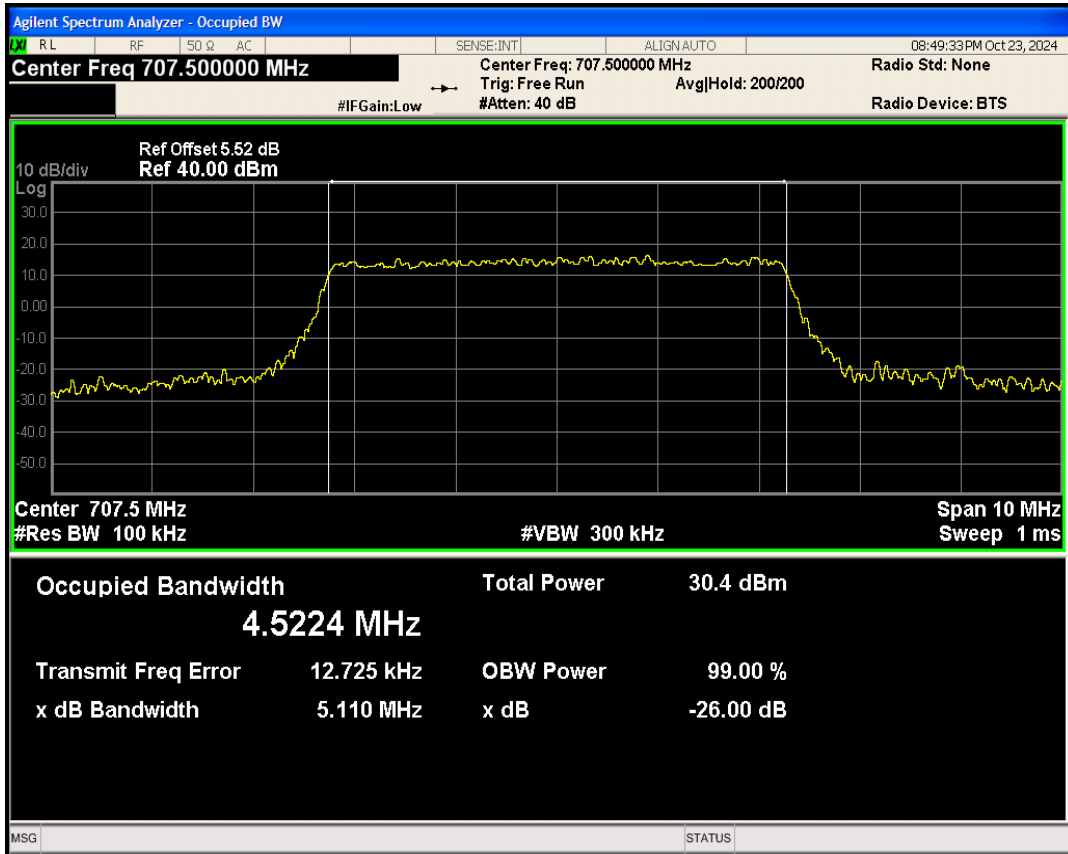
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



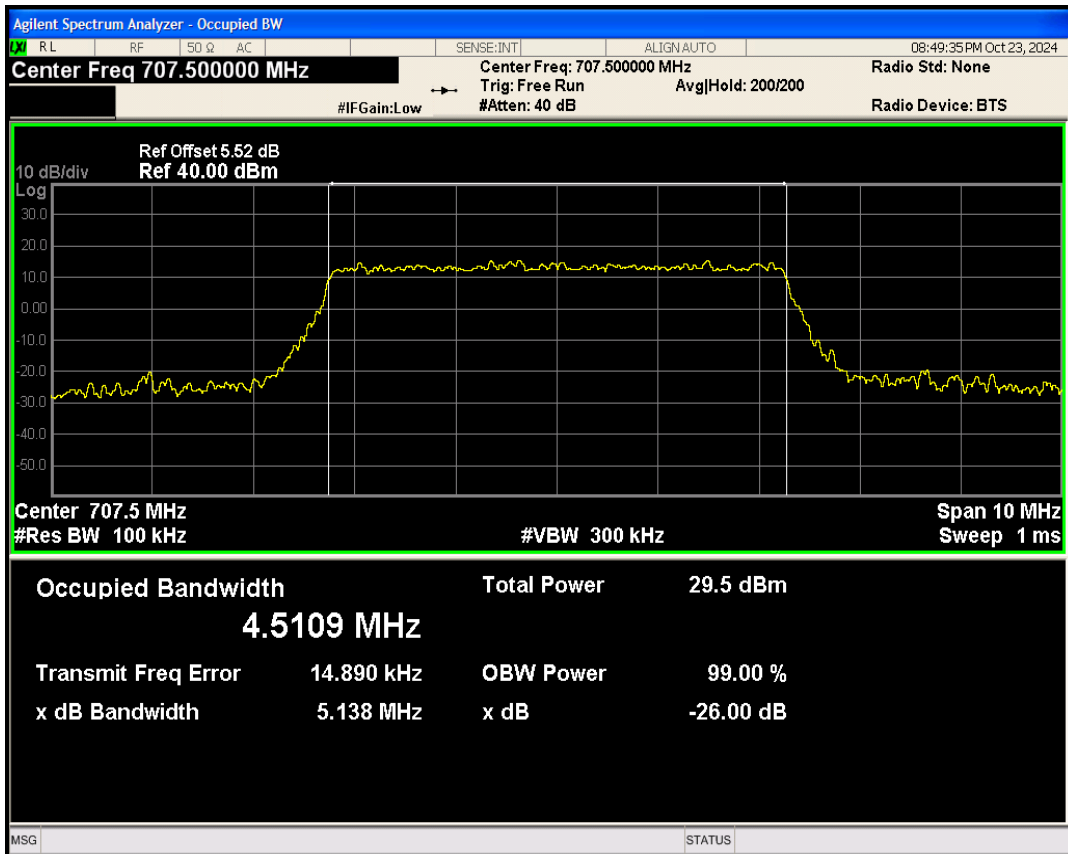
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



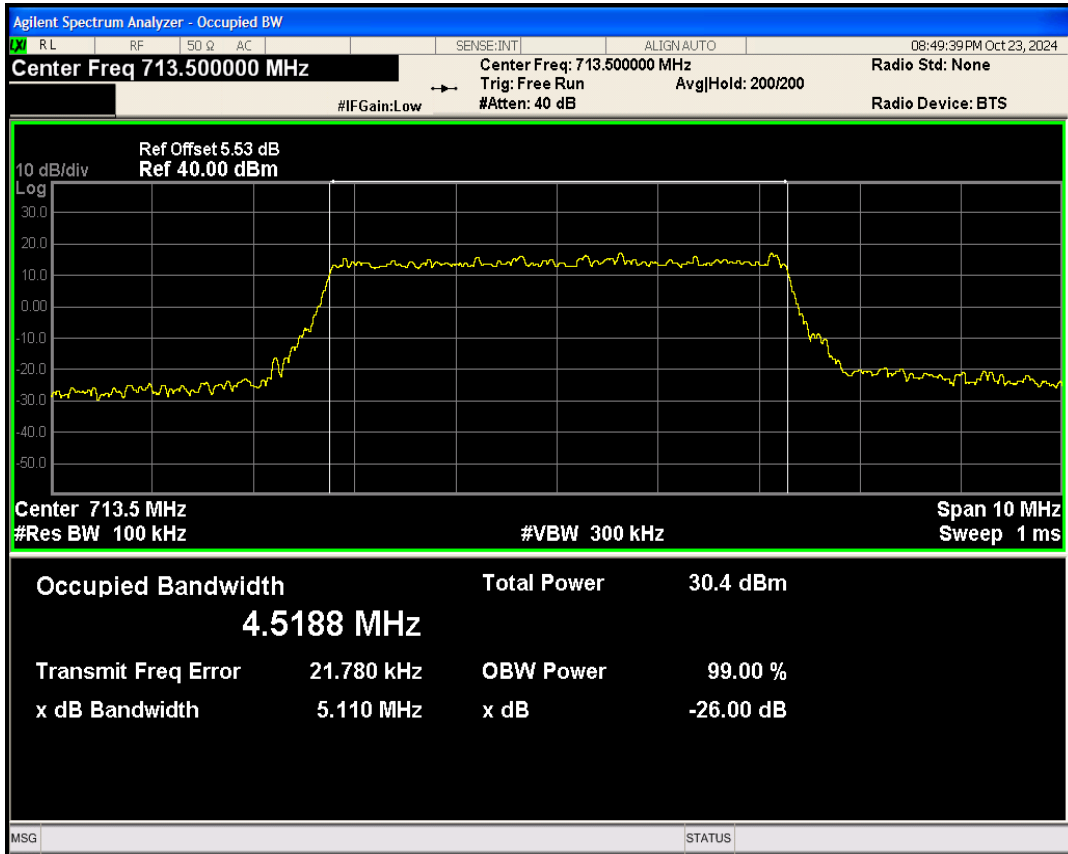
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



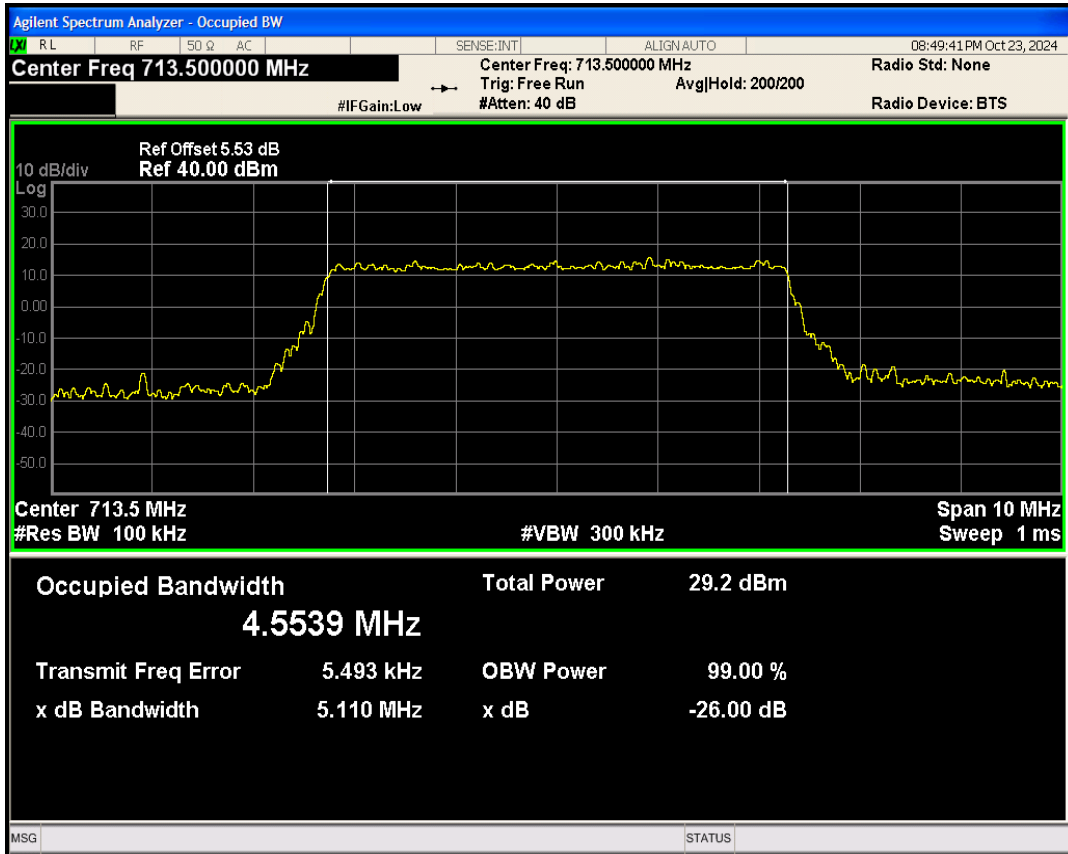
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



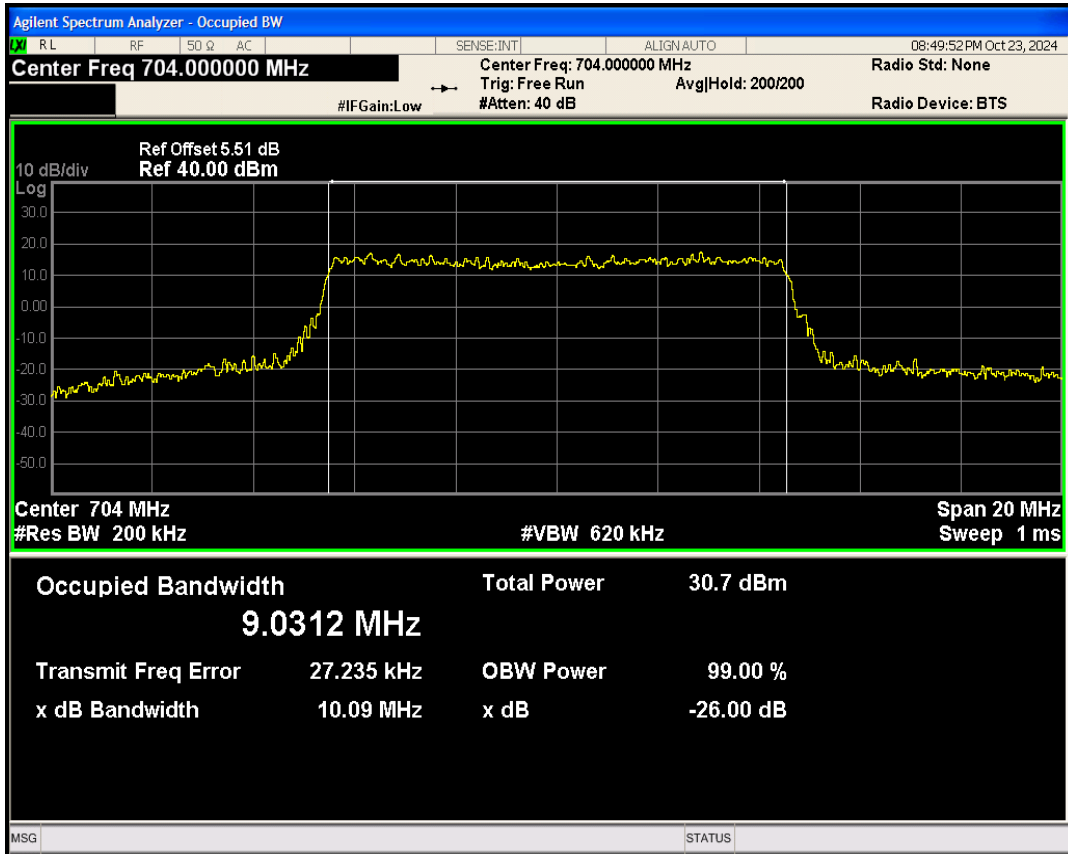
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



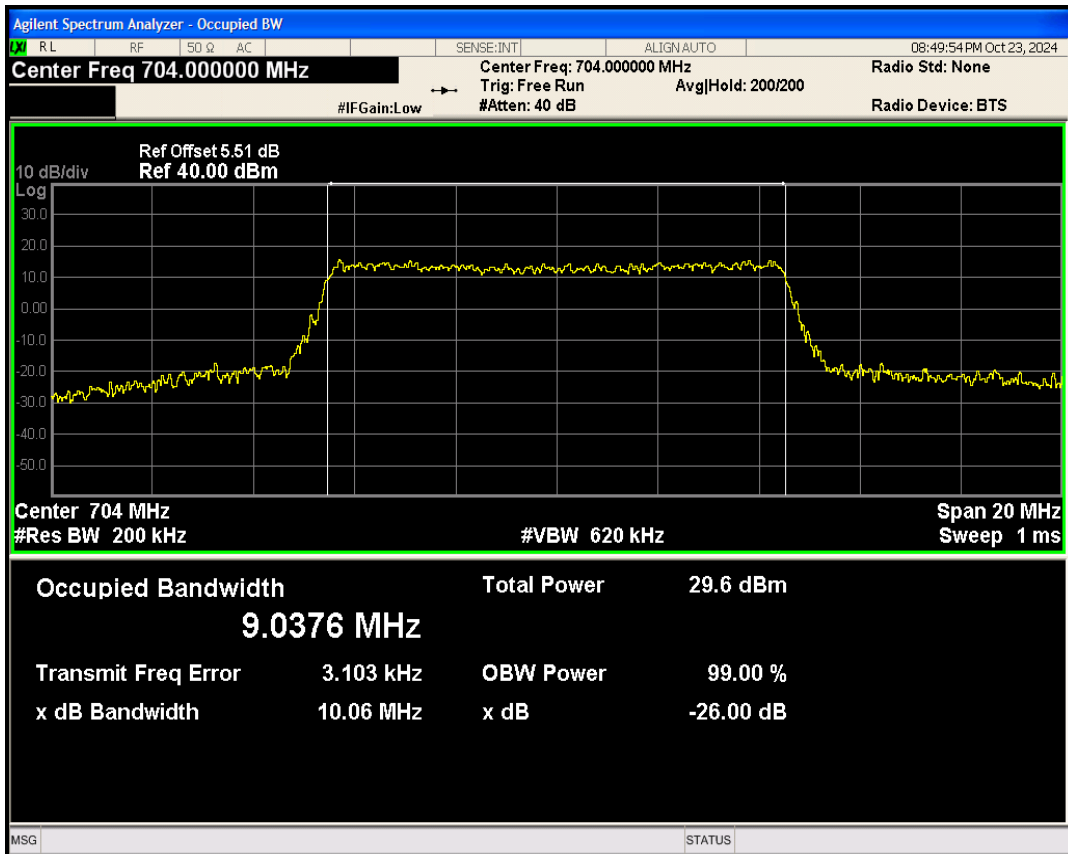
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



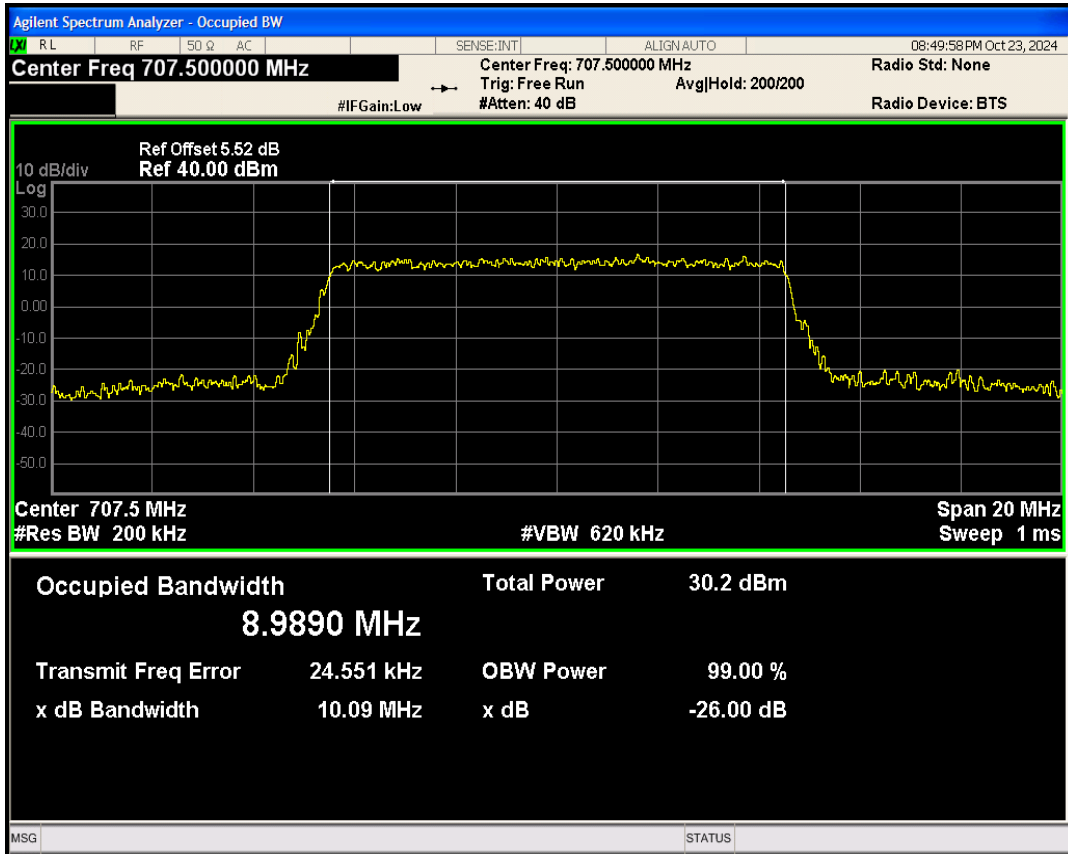
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



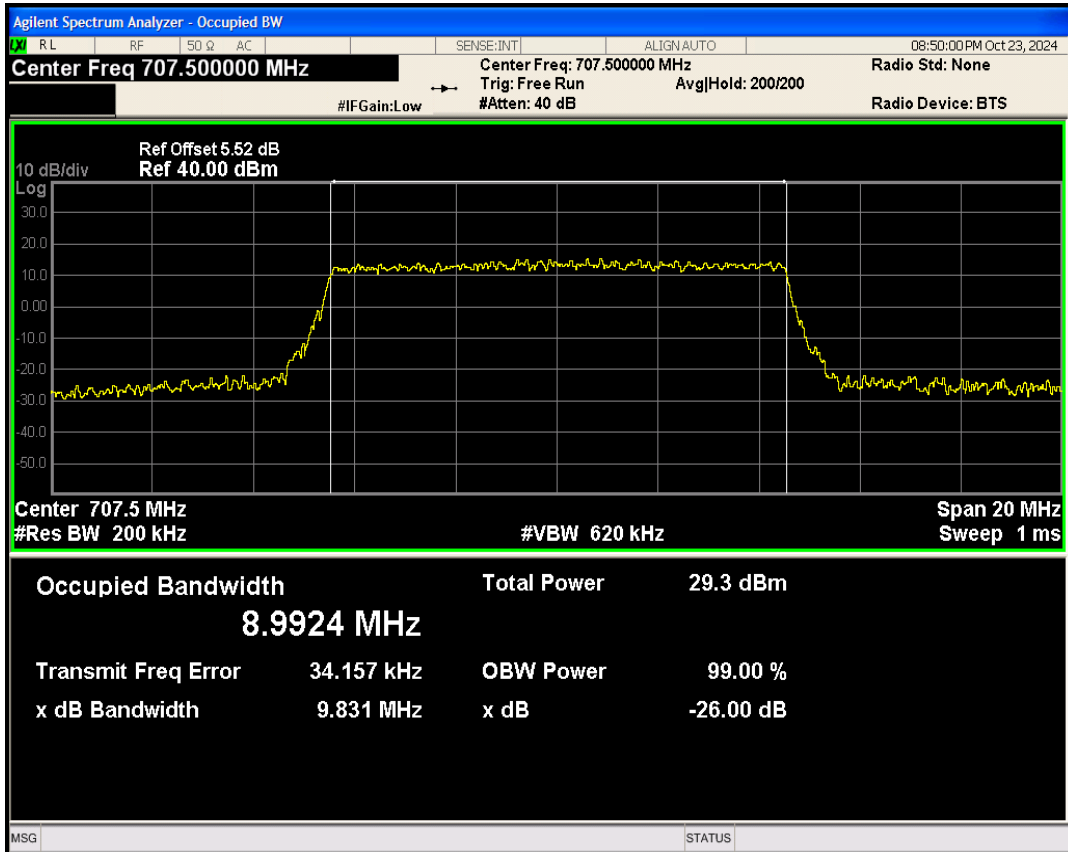
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



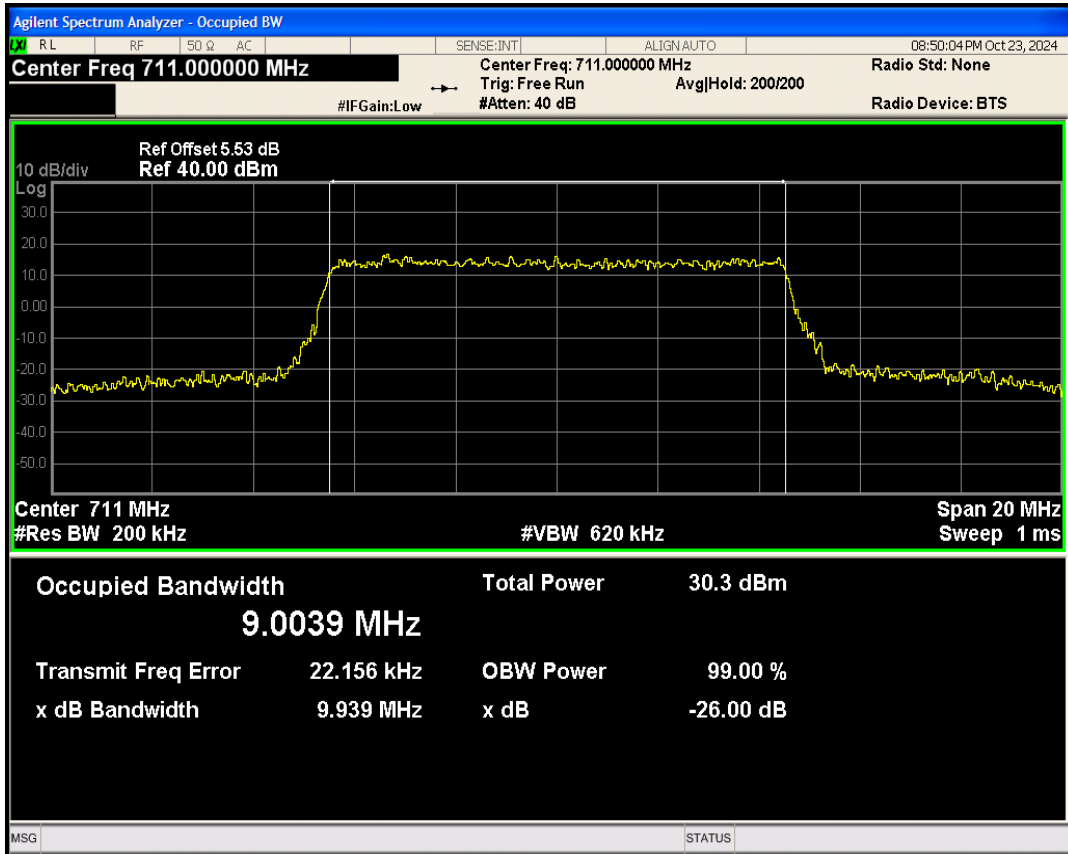
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



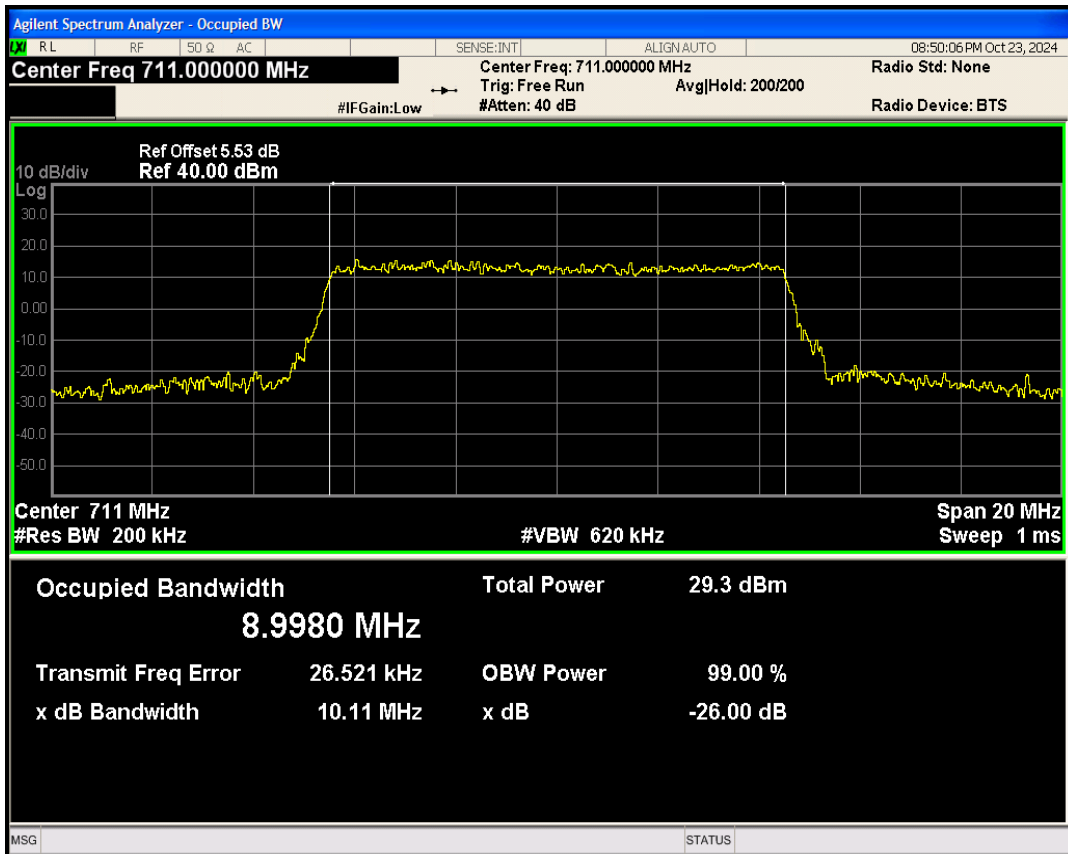
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



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



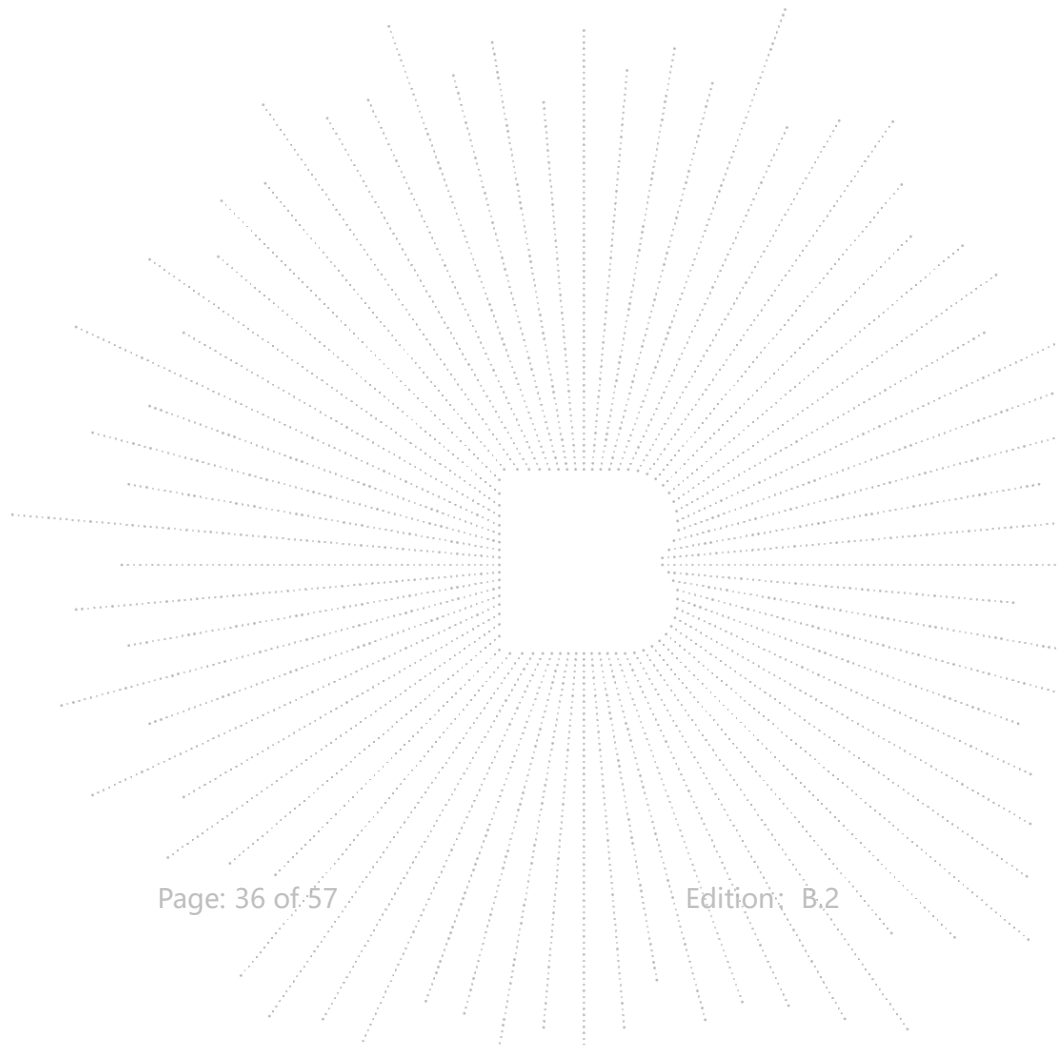
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

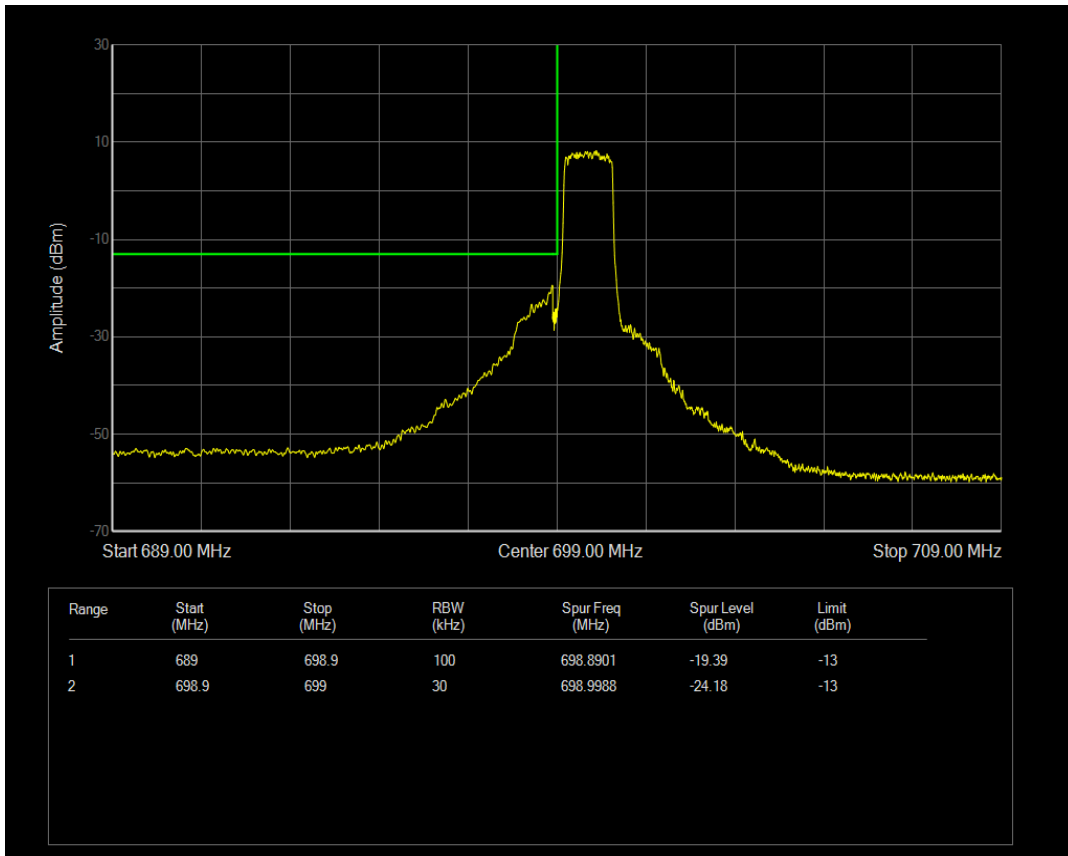


Appendix 5. Band edge

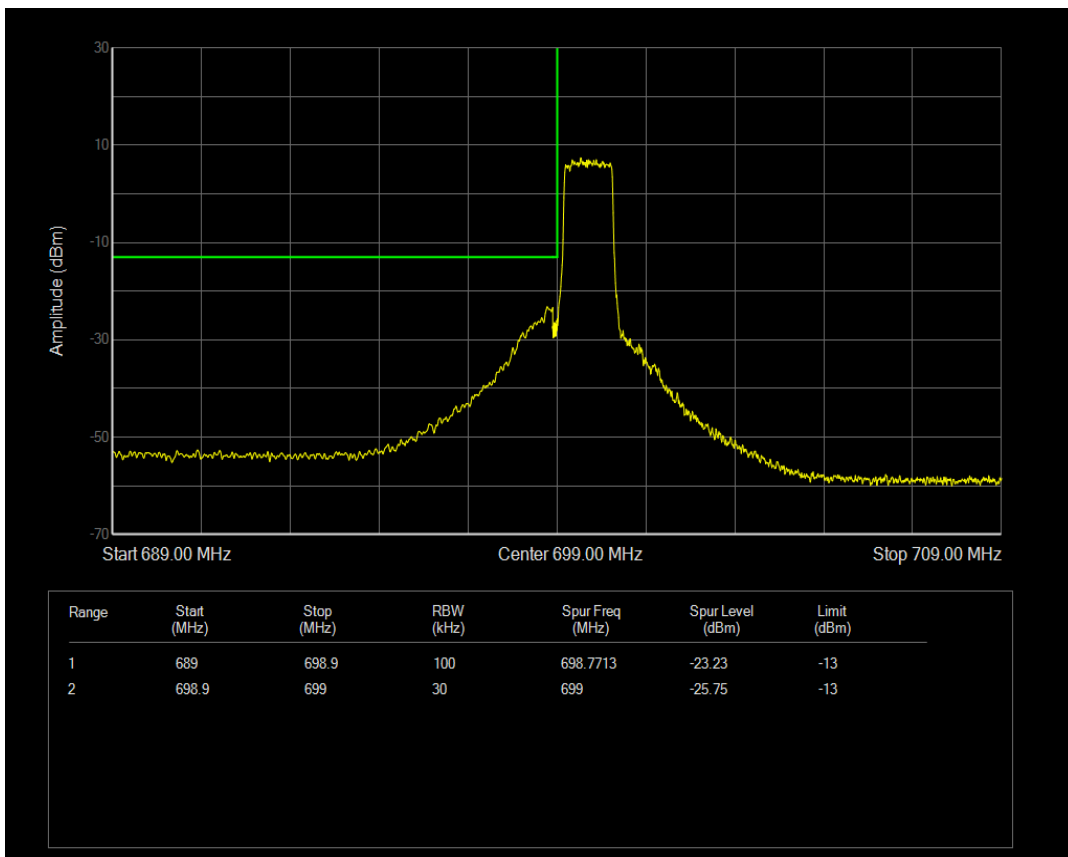
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	698.89	-19.39	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.77	-23.23	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.12	-20.09	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.26	-23.91	-13	PASS
Band12	3	23025	15	#0	QPSK	698.90	-25.36	-13	PASS
Band12	3	23025	15	#0	16QAM	698.82	-26.67	-13	PASS
Band12	3	23165	15	#0	QPSK	716.11	-26.72	-13	PASS
Band12	3	23165	15	#0	16QAM	716.31	-28.41	-13	PASS
Band12	5	23035	25	#0	QPSK	698.89	-24.58	-13	PASS
Band12	5	23035	25	#0	16QAM	698.90	-26.41	-13	PASS
Band12	5	23155	25	#0	QPSK	716.12	-25.15	-13	PASS
Band12	5	23155	25	#0	16QAM	716.02	-27.51	-13	PASS
Band12	10	23060	50	#0	QPSK	698.81	-29.70	-13	PASS
Band12	10	23060	50	#0	16QAM	698.80	-31.83	-13	PASS
Band12	10	23130	50	#0	QPSK	716.16	-30.99	-13	PASS
Band12	10	23130	50	#0	16QAM	716.12	-30.82	-13	PASS

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

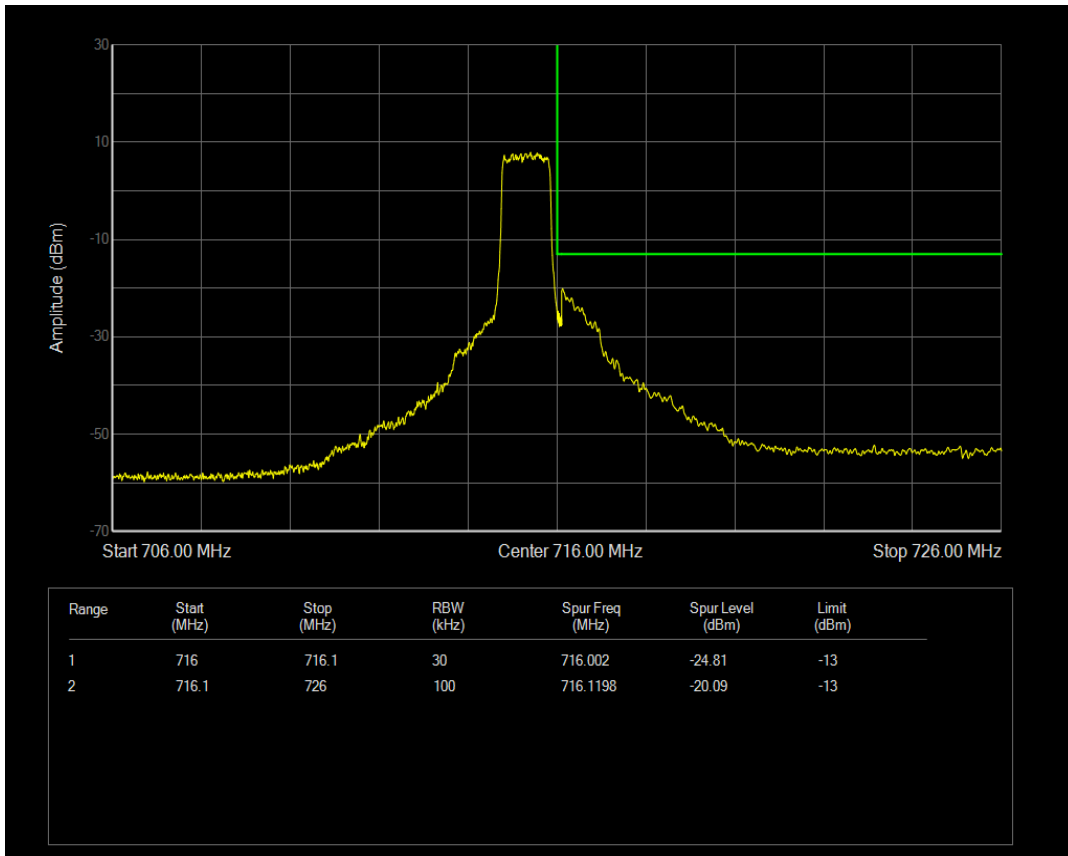




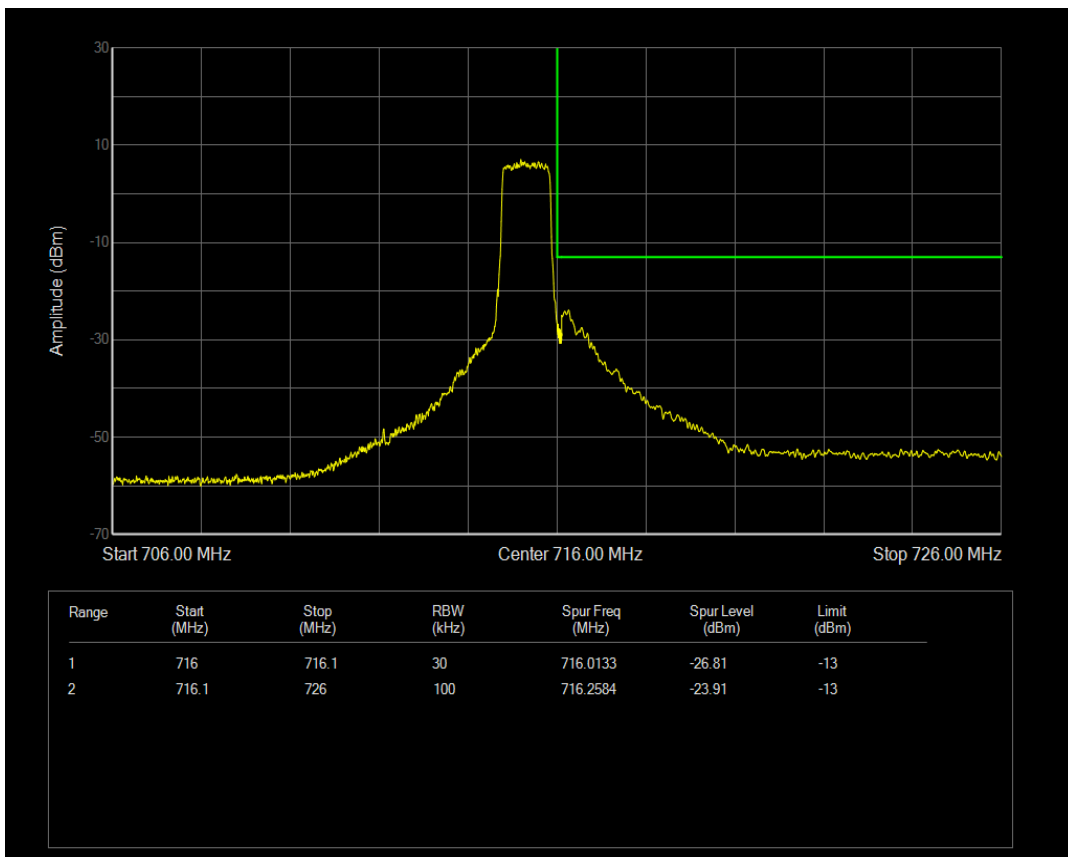
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



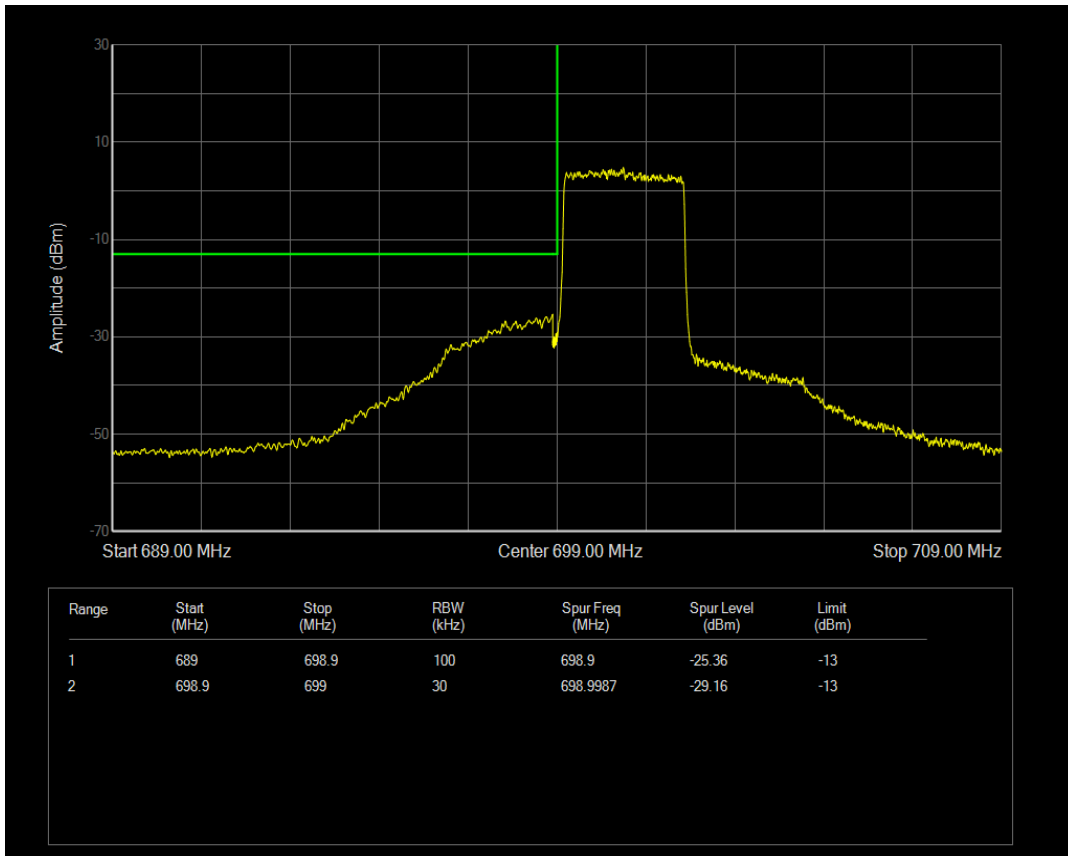
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



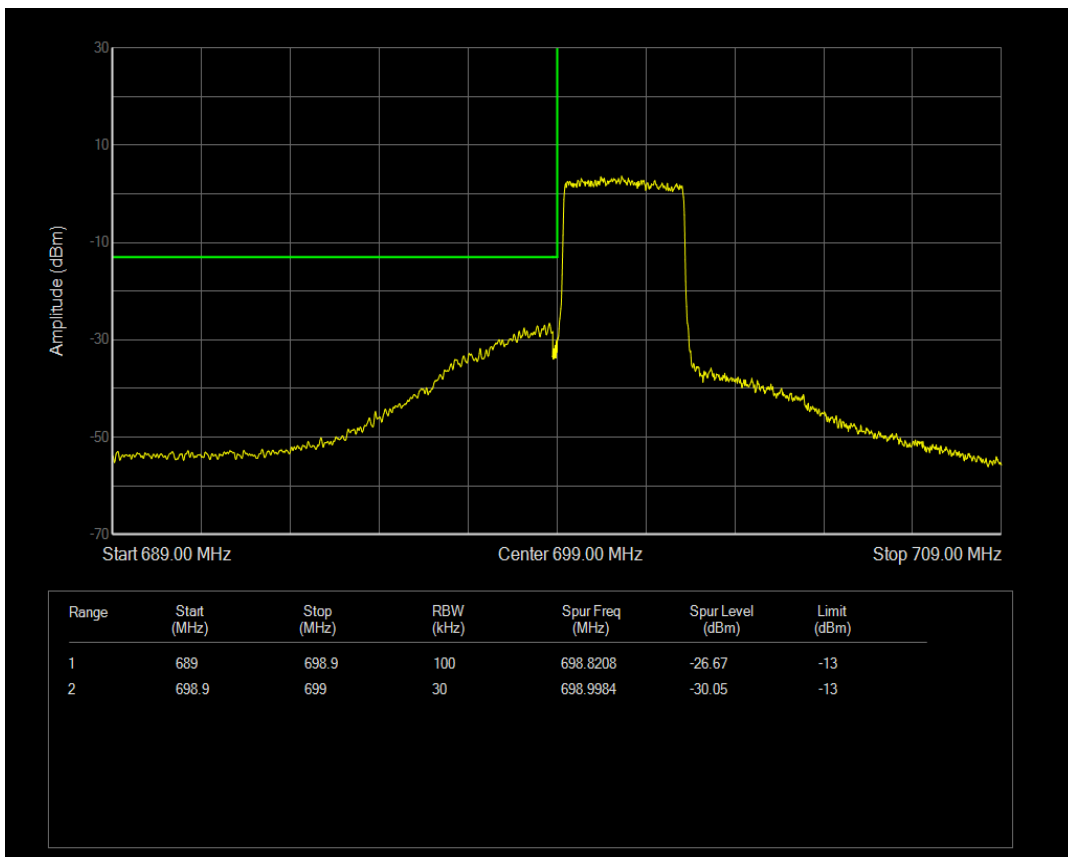
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



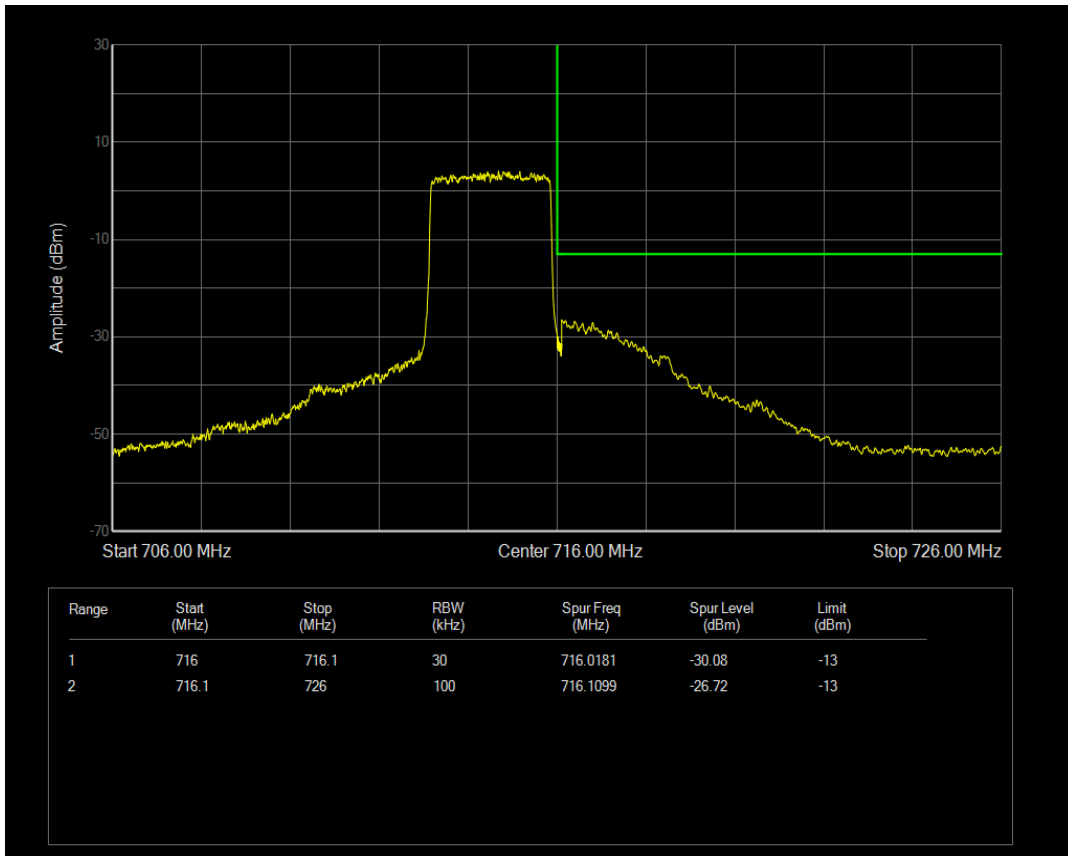
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



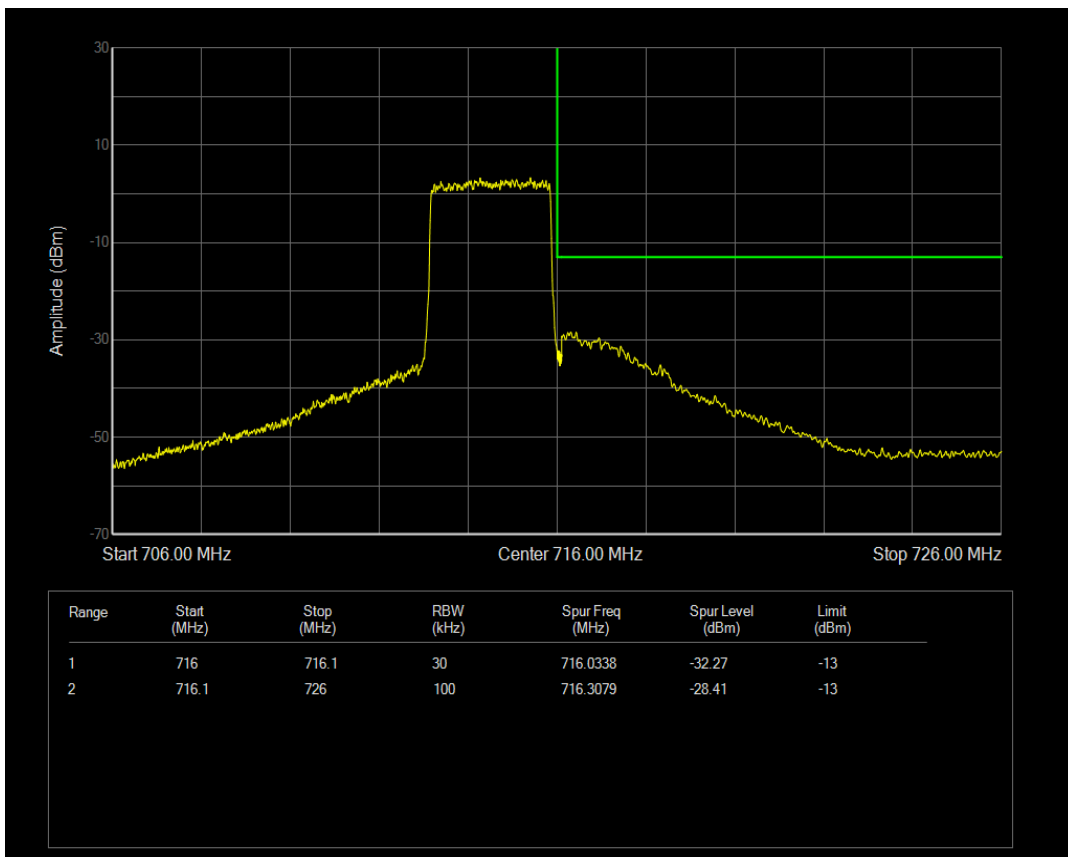
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



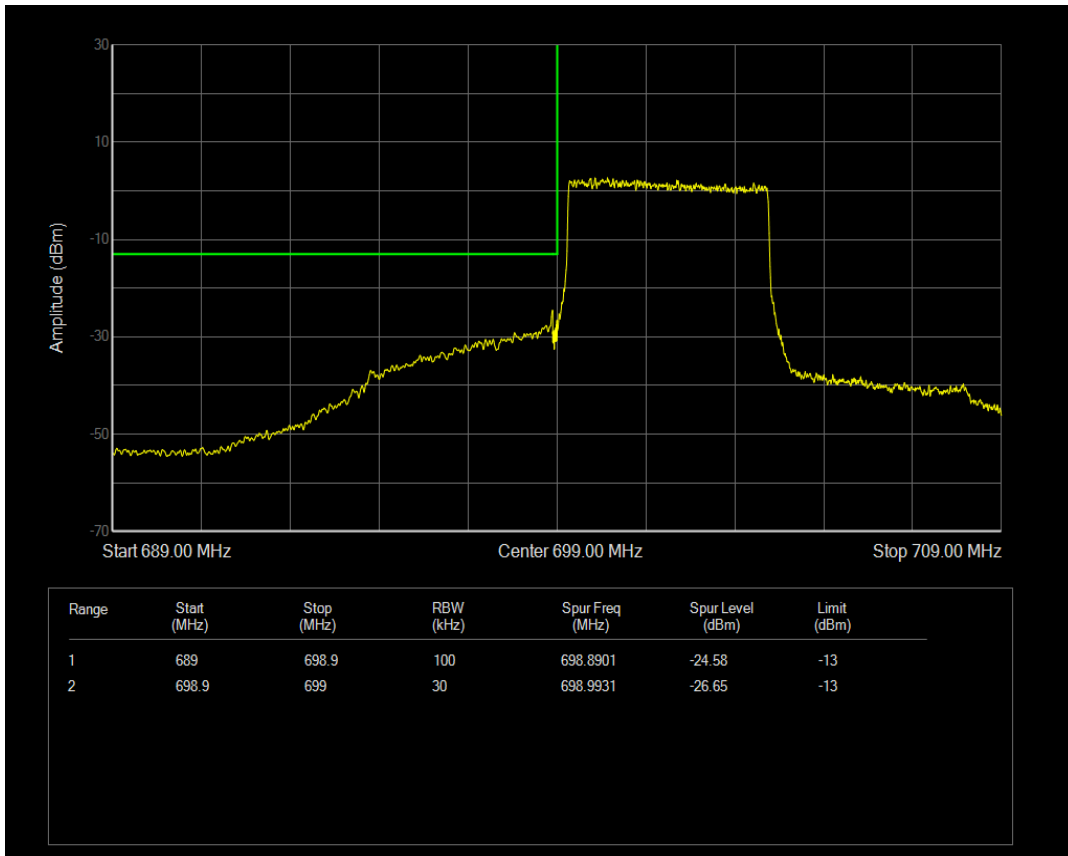
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



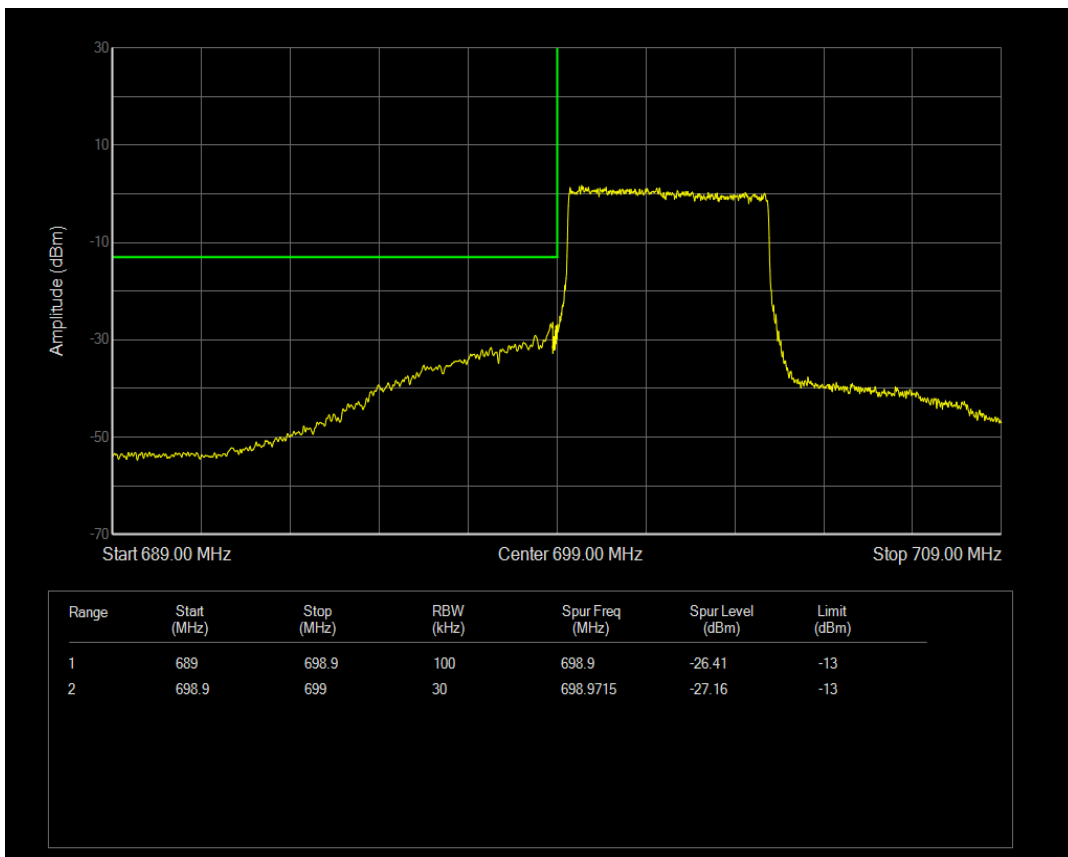
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



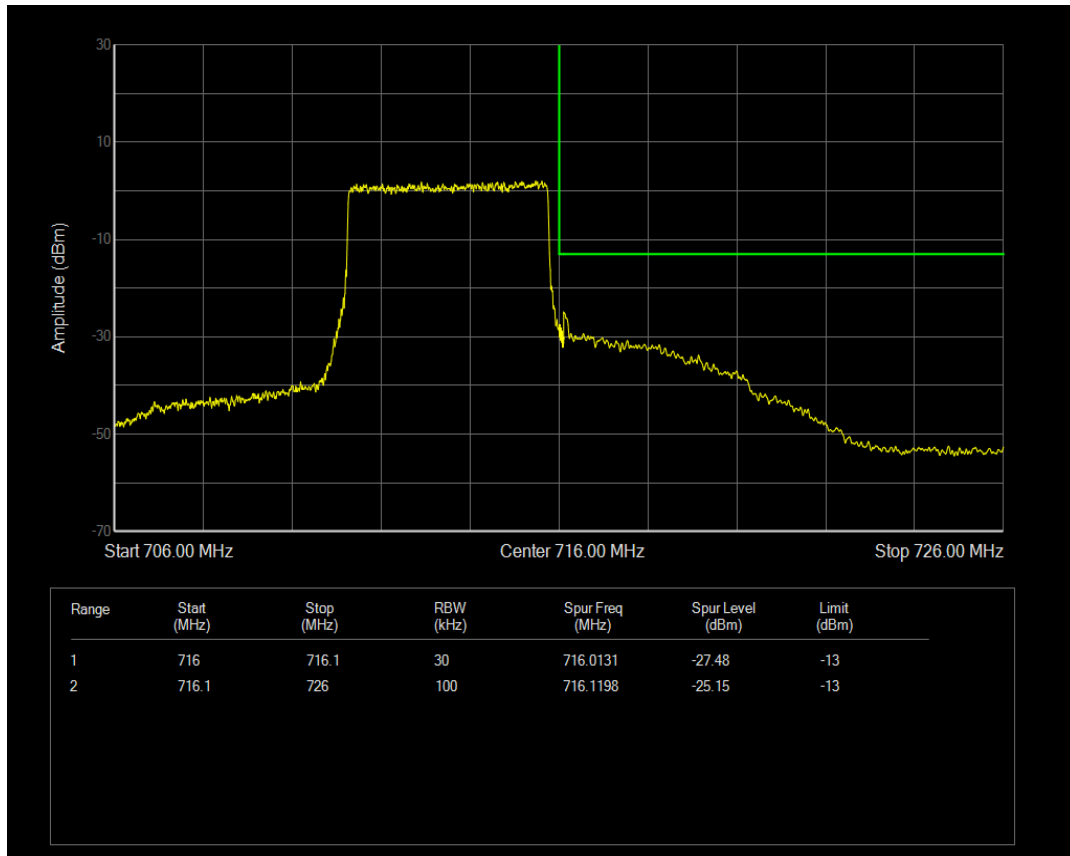
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



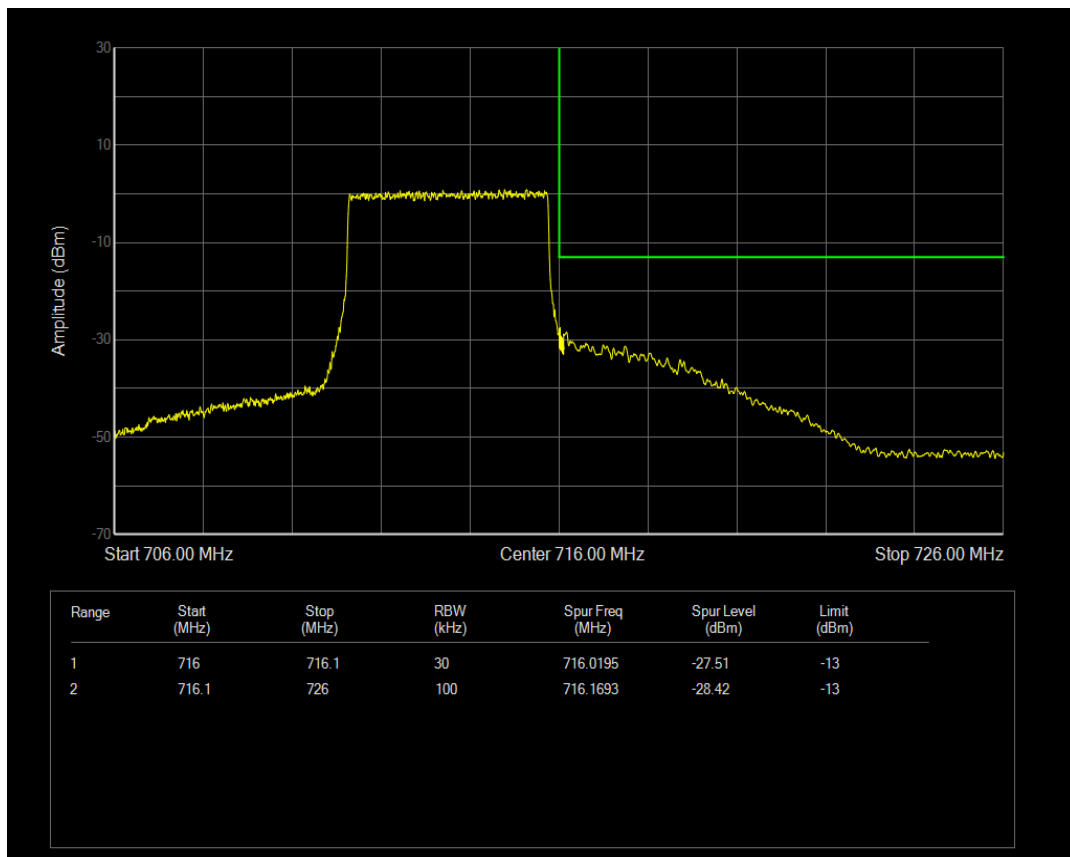
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



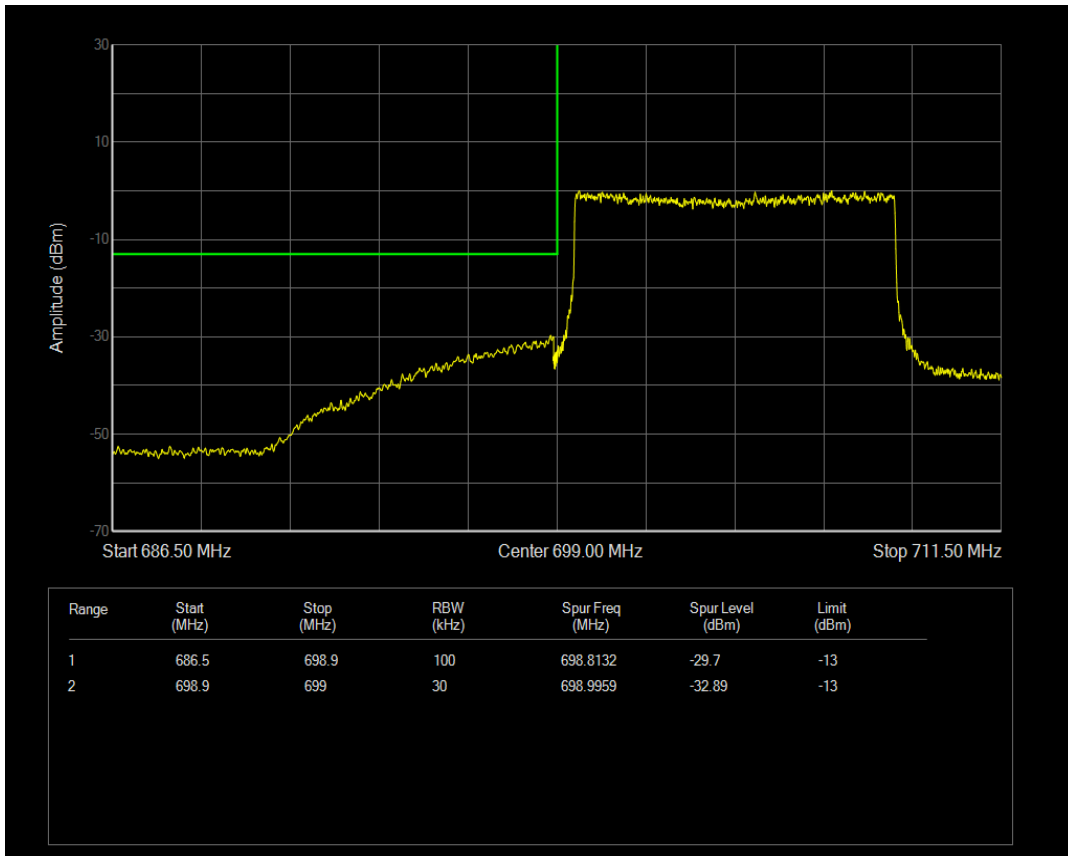
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



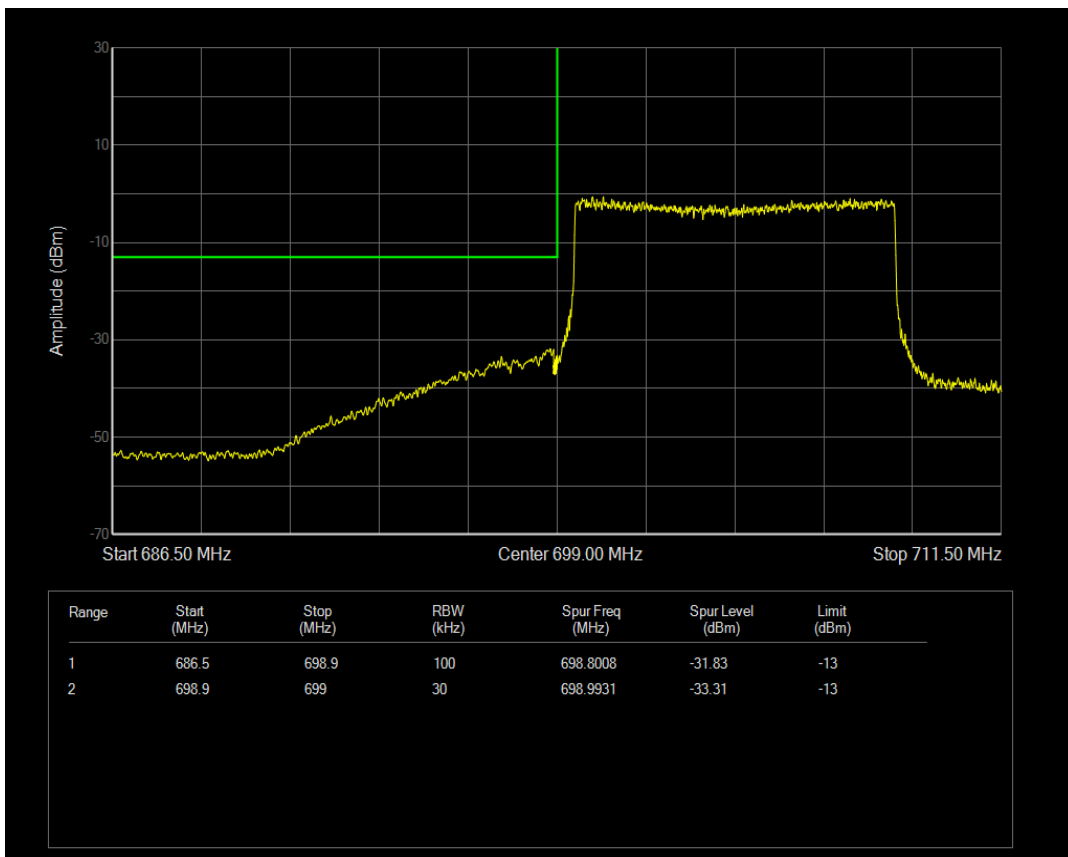
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



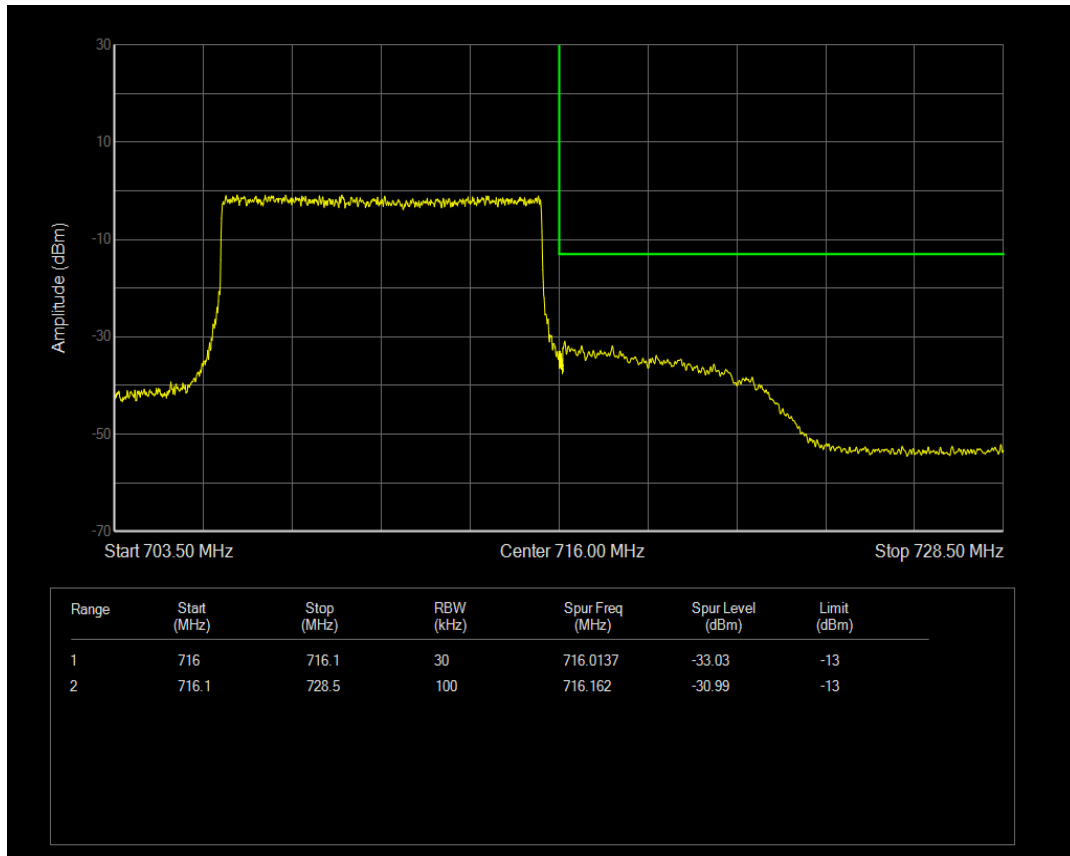
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



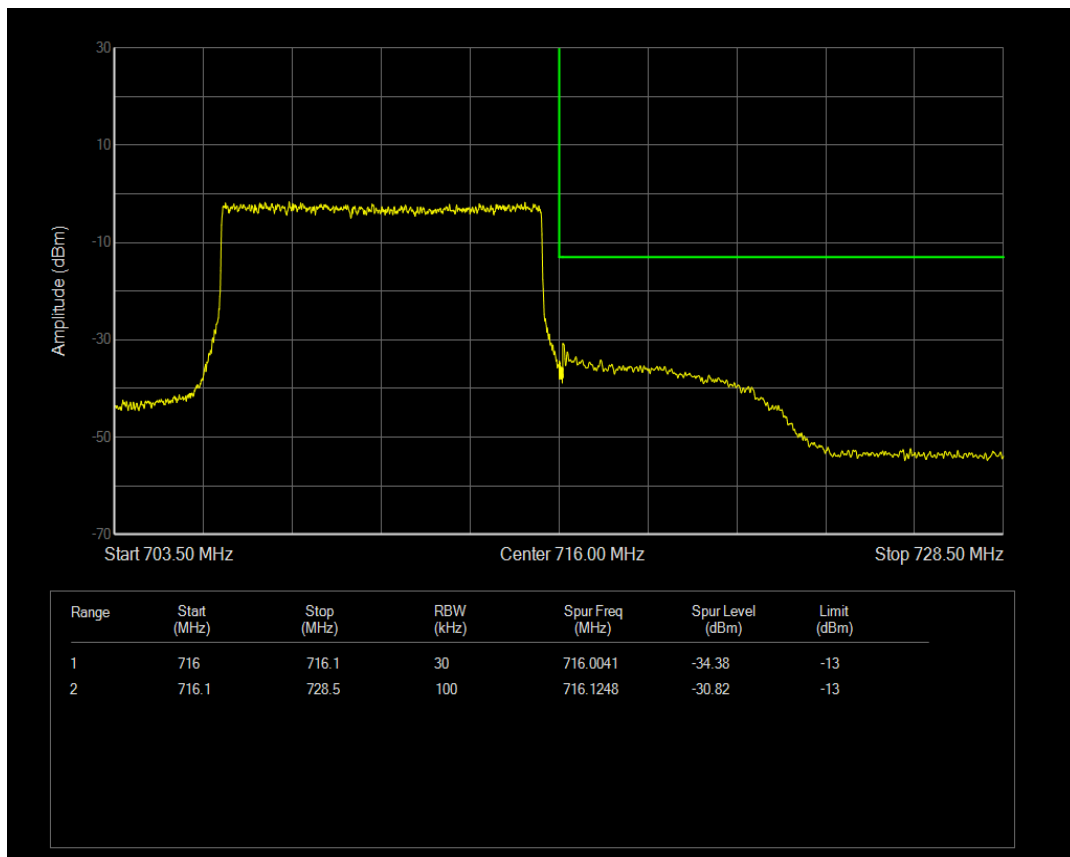
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



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



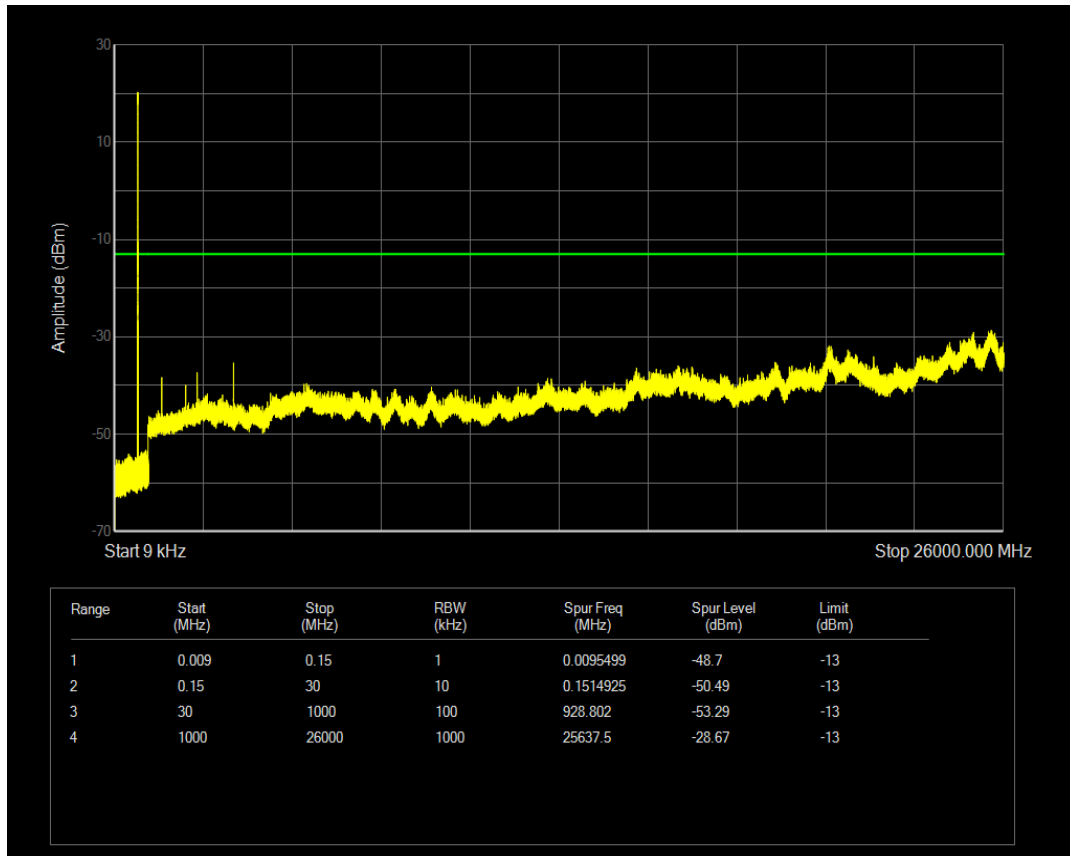
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



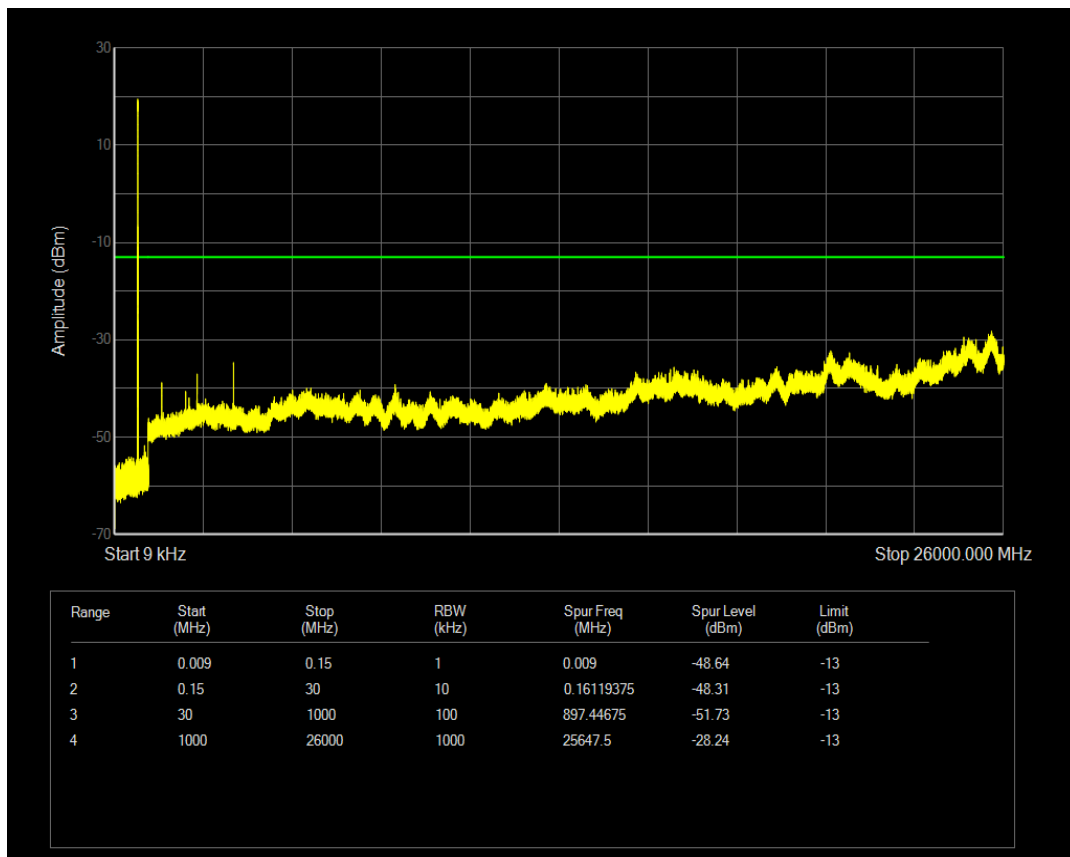
Appendix 6. Out-of-band emissions

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	25637.50	-28.67	-13	PASS
Band12	1.4	23017	6	#0	16QAM	25647.50	-28.24	-13	PASS
Band12	1.4	23095	6	#0	QPSK	25633.13	-28.19	-13	PASS
Band12	1.4	23095	6	#0	16QAM	25590.63	-27.96	-13	PASS
Band12	1.4	23173	6	#0	QPSK	25641.25	-28.13	-13	PASS
Band12	1.4	23173	6	#0	16QAM	25604.38	-28.08	-13	PASS
Band12	3	23025	15	#0	QPSK	25626.88	-28.17	-13	PASS
Band12	3	23025	15	#0	16QAM	25630.00	-27.64	-13	PASS
Band12	3	23095	15	#0	QPSK	25601.88	-28.55	-13	PASS
Band12	3	23095	15	#0	16QAM	25691.25	-28.02	-13	PASS
Band12	3	23165	15	#0	QPSK	25635.63	-28.80	-13	PASS
Band12	3	23165	15	#0	16QAM	25691.25	-28.10	-13	PASS
Band12	5	23035	25	#0	QPSK	25145.63	-28.34	-13	PASS
Band12	5	23035	25	#0	16QAM	25665.63	-27.82	-13	PASS
Band12	5	23095	25	#0	QPSK	25655.00	-28.35	-13	PASS
Band12	5	23095	25	#0	16QAM	25674.38	-28.82	-13	PASS
Band12	5	23155	25	#0	QPSK	25686.88	-28.24	-13	PASS
Band12	5	23155	25	#0	16QAM	25703.75	-28.45	-13	PASS
Band12	10	23060	50	#0	QPSK	25645.00	-28.13	-13	PASS
Band12	10	23060	50	#0	16QAM	25648.75	-28.21	-13	PASS
Band12	10	23095	50	#0	QPSK	25635.00	-27.93	-13	PASS
Band12	10	23095	50	#0	16QAM	25630.63	-26.91	-13	PASS
Band12	10	23130	50	#0	QPSK	25649.38	-28.09	-13	PASS
Band12	10	23130	50	#0	16QAM	25693.13	-27.90	-13	PASS

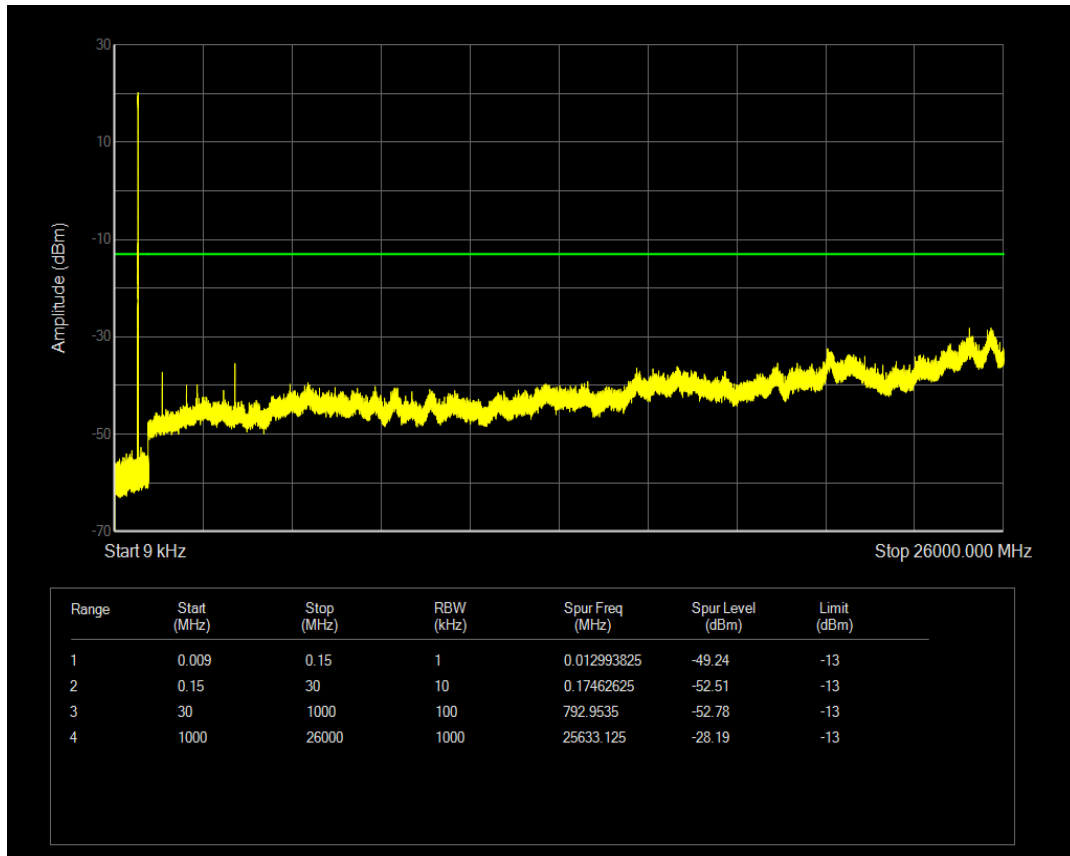
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



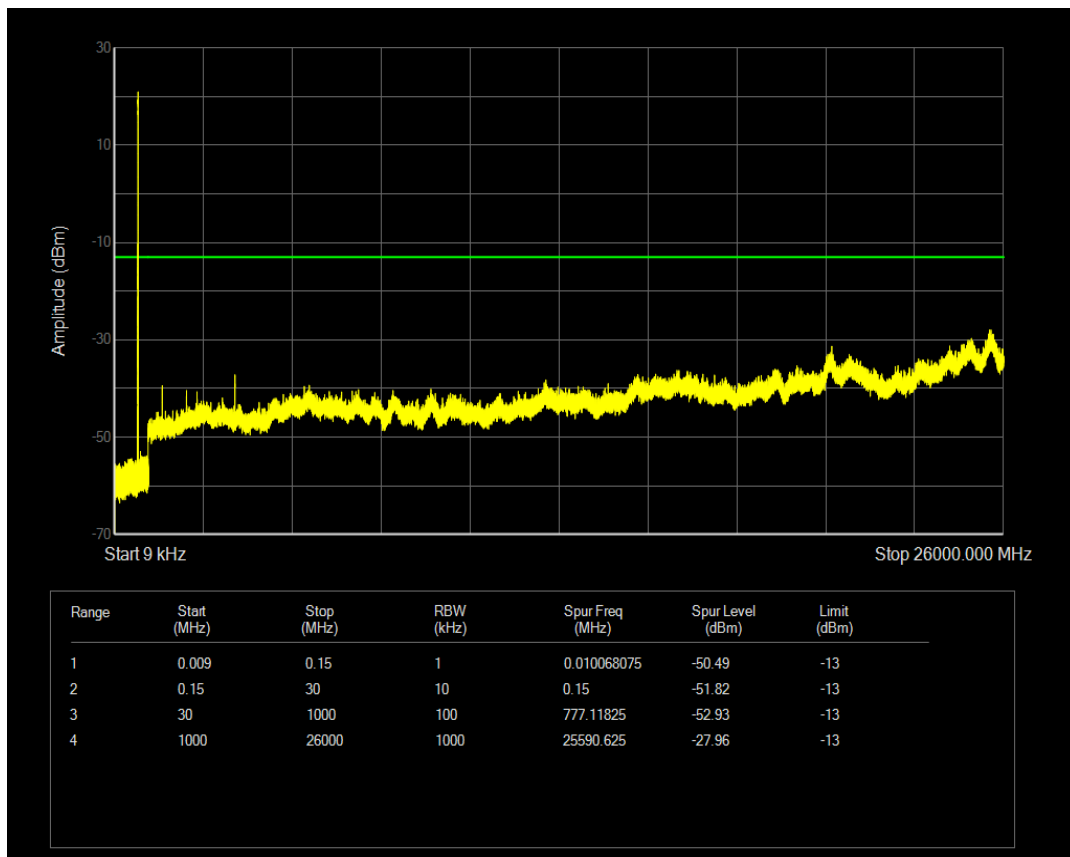
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



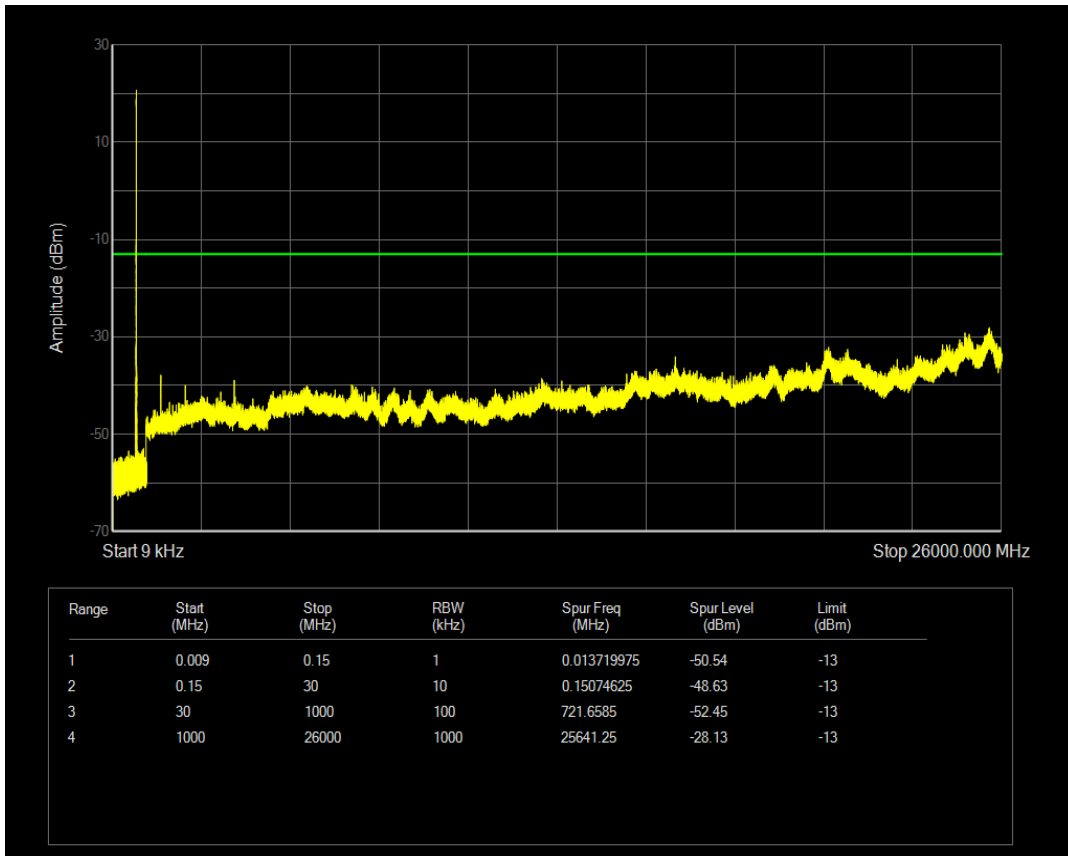
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



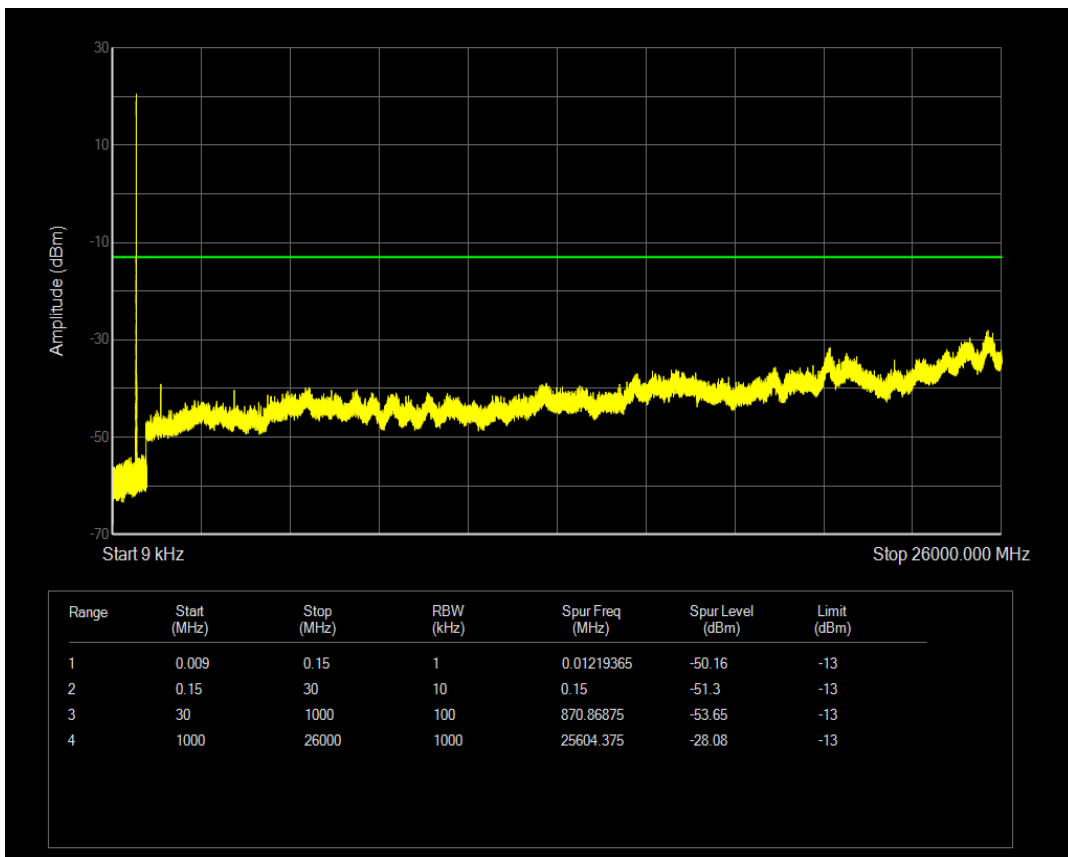
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



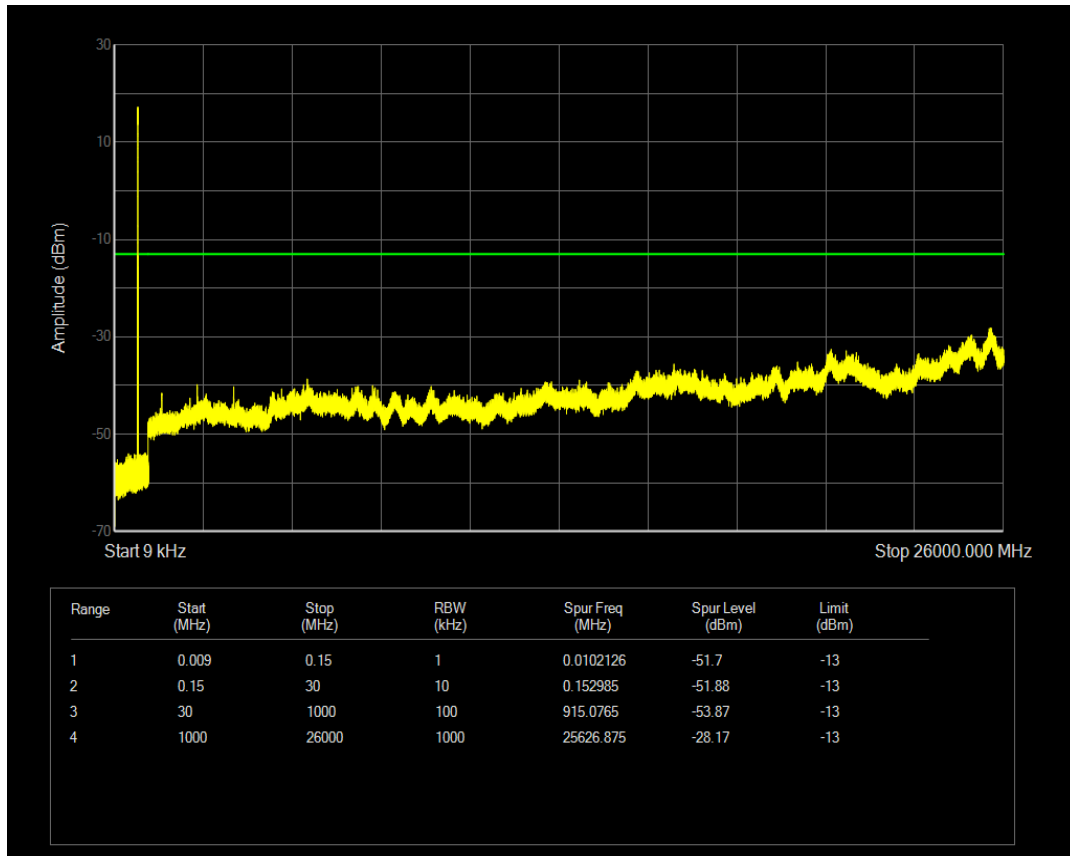
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



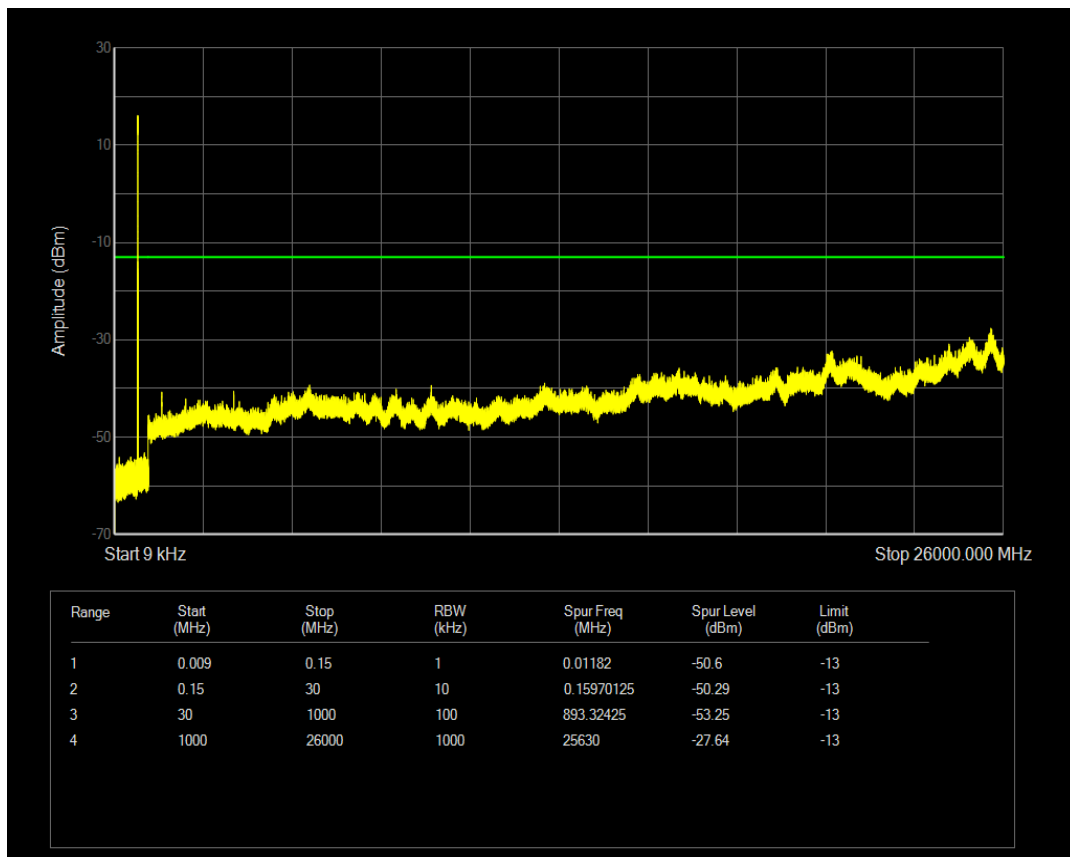
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



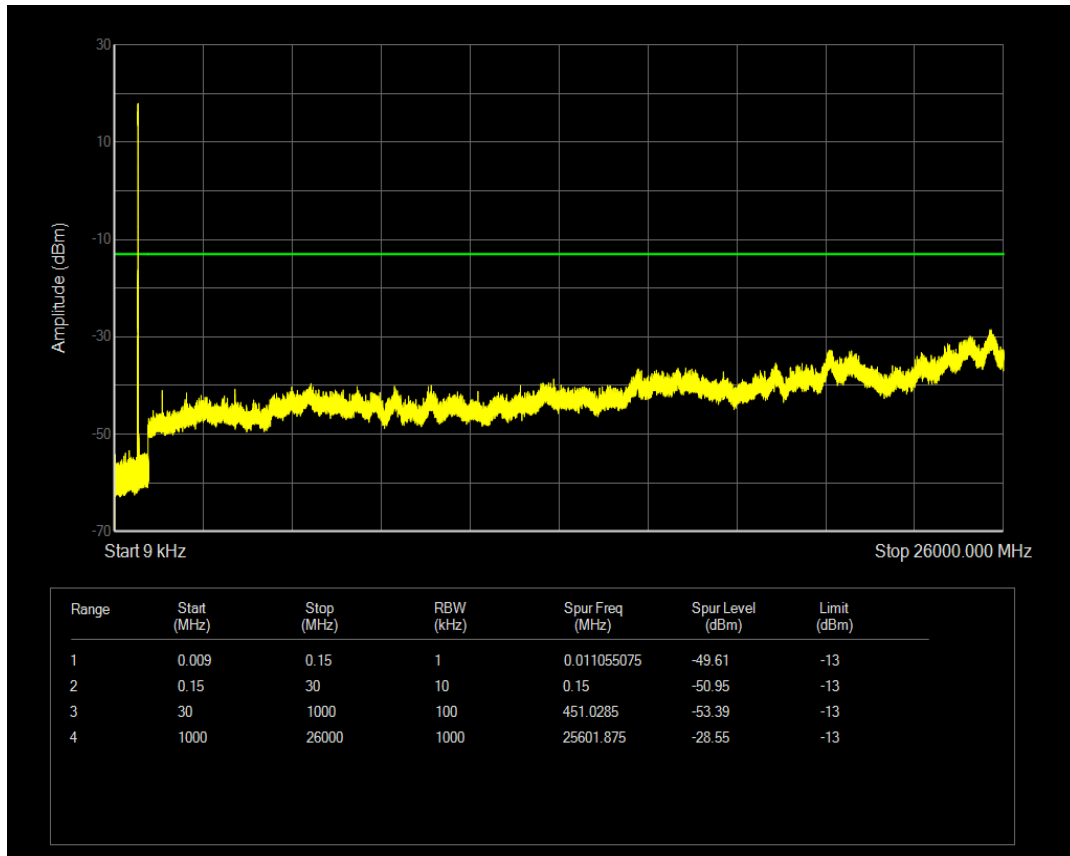
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



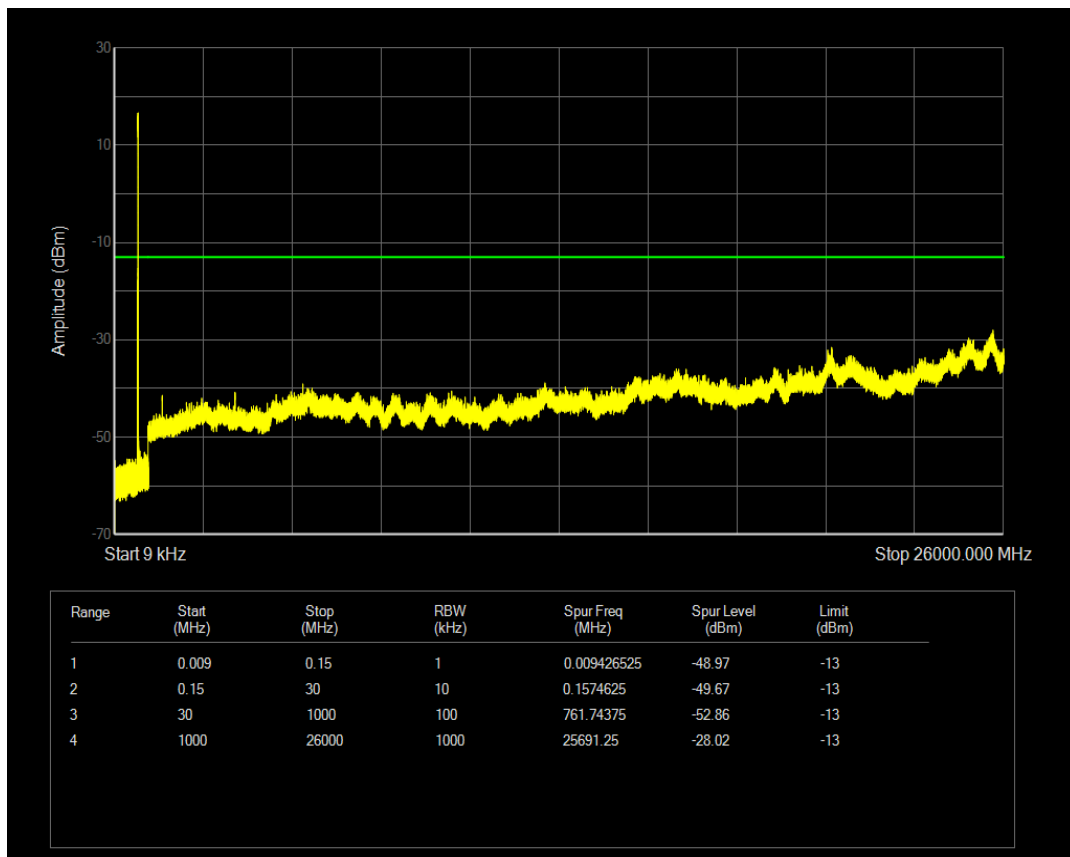
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



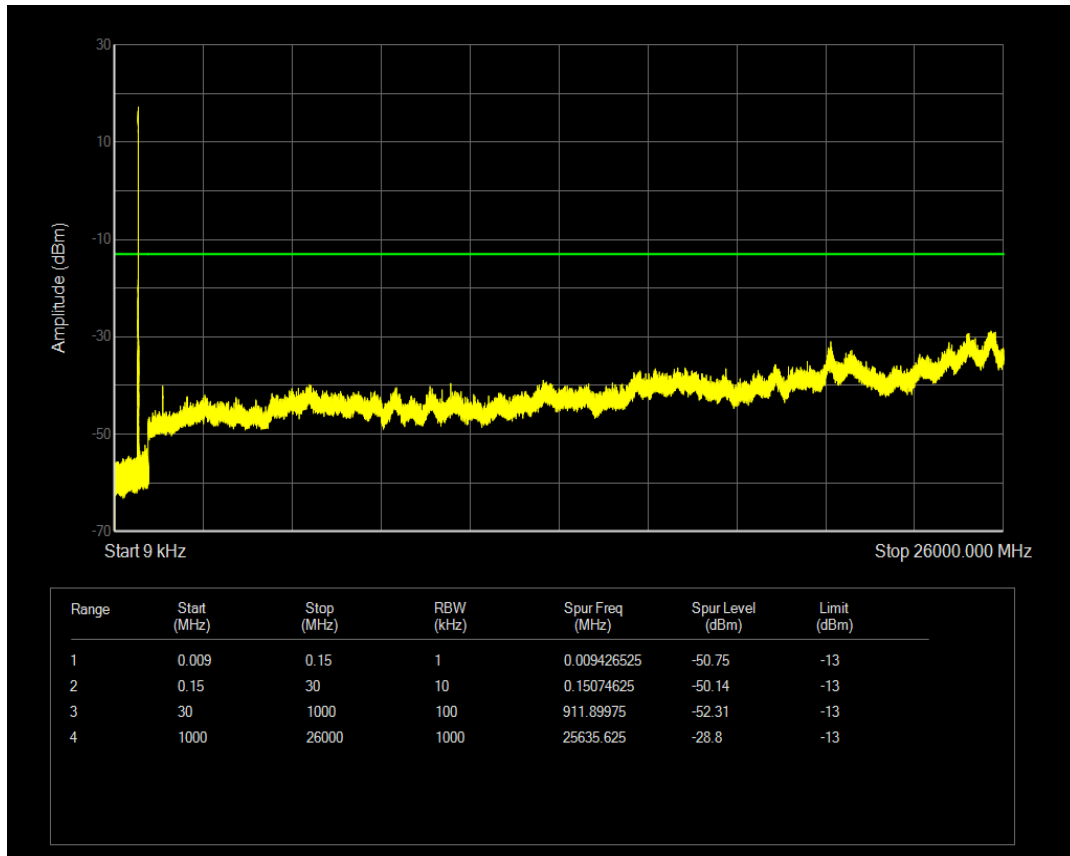
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



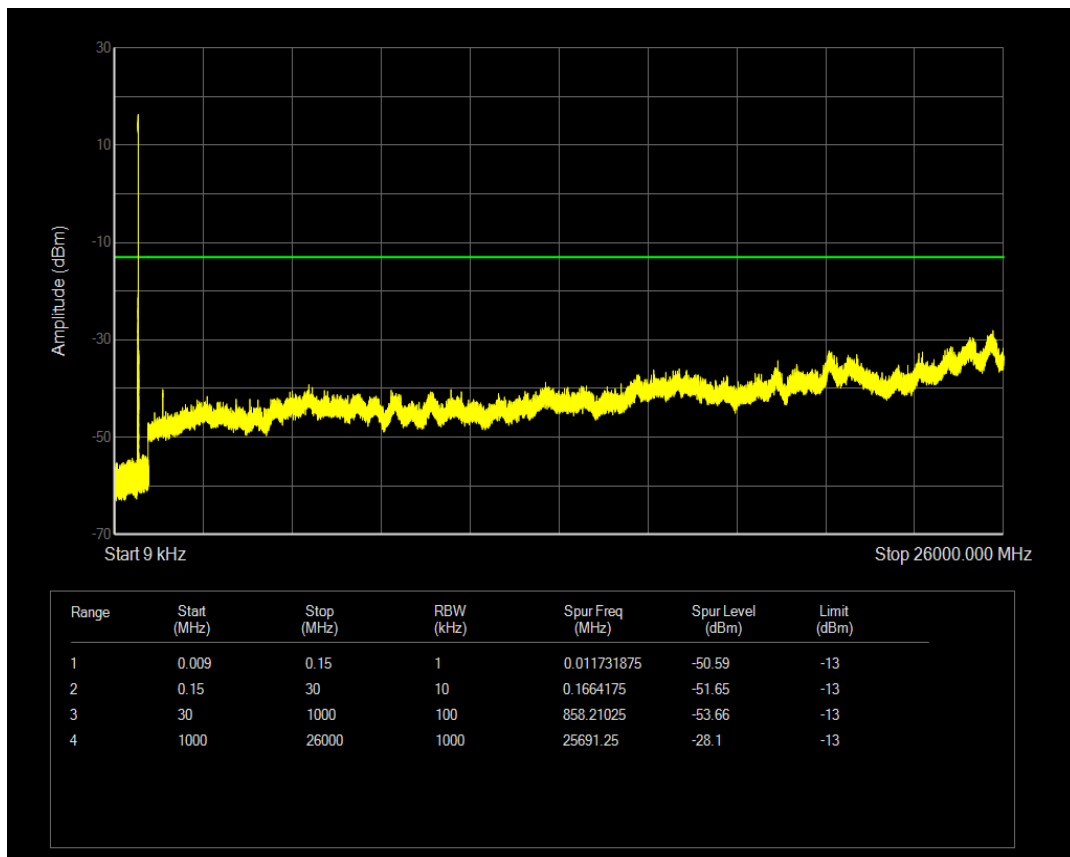
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



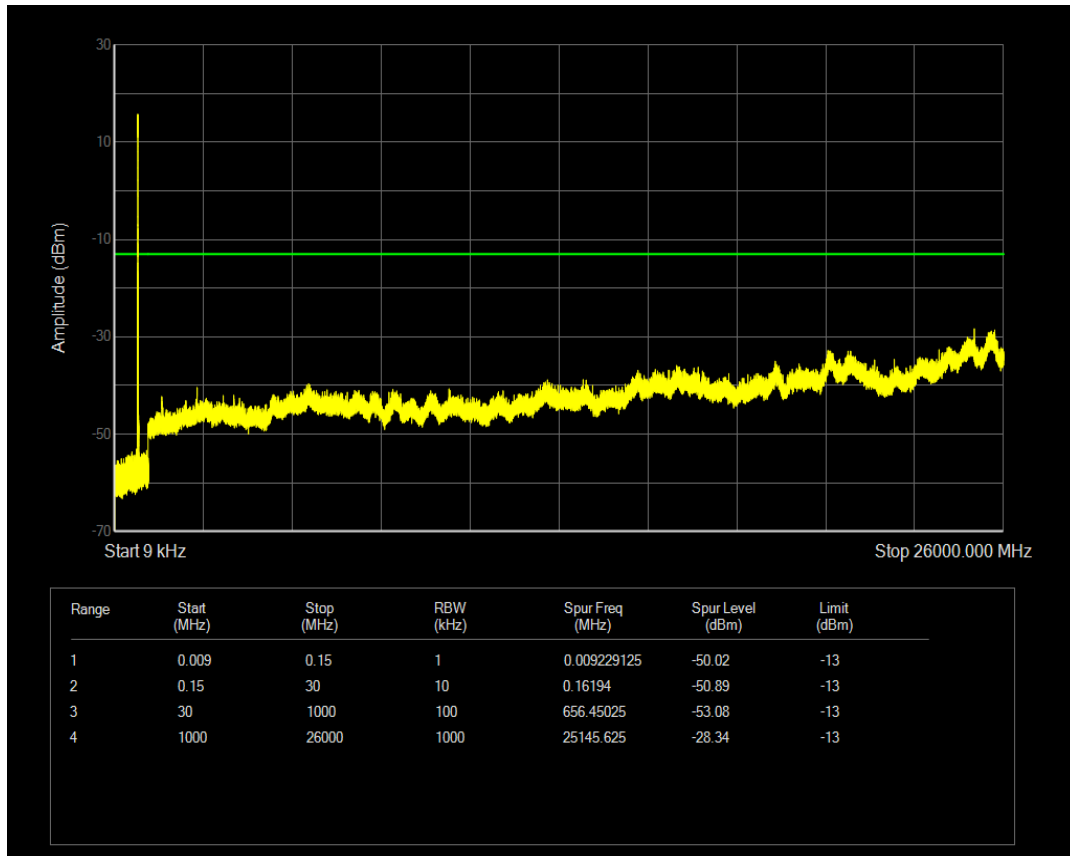
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



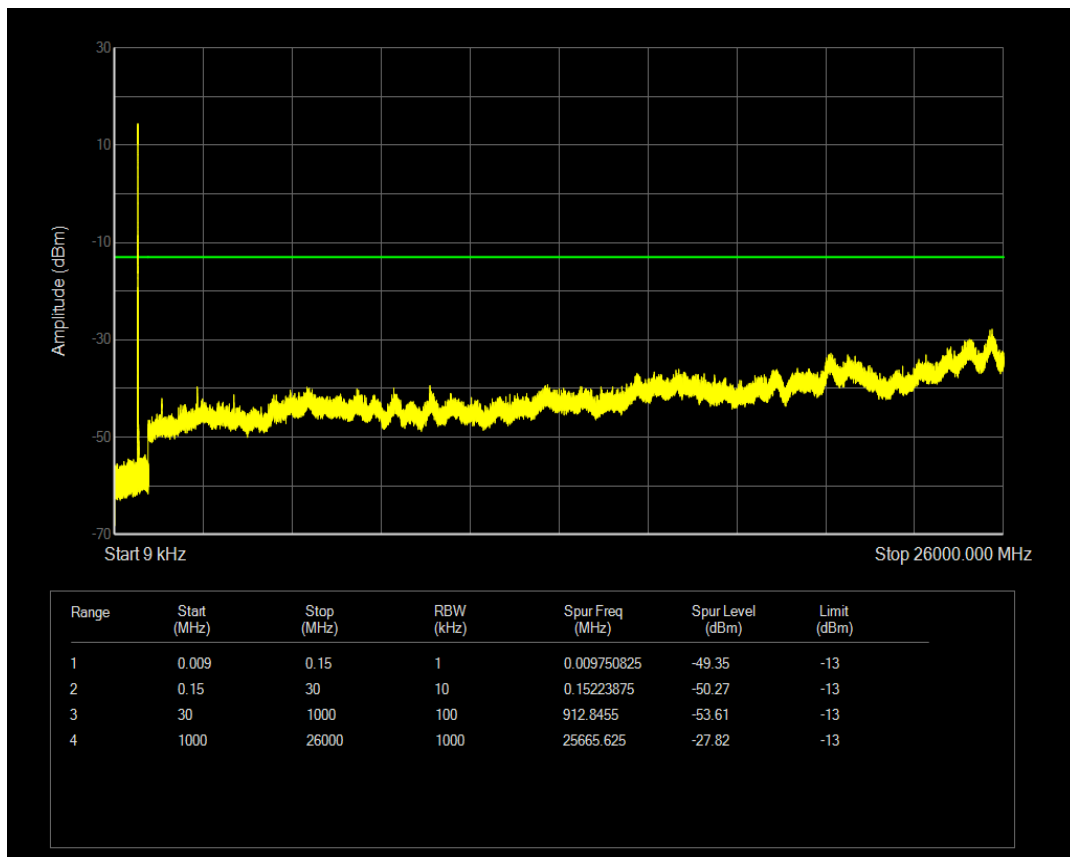
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



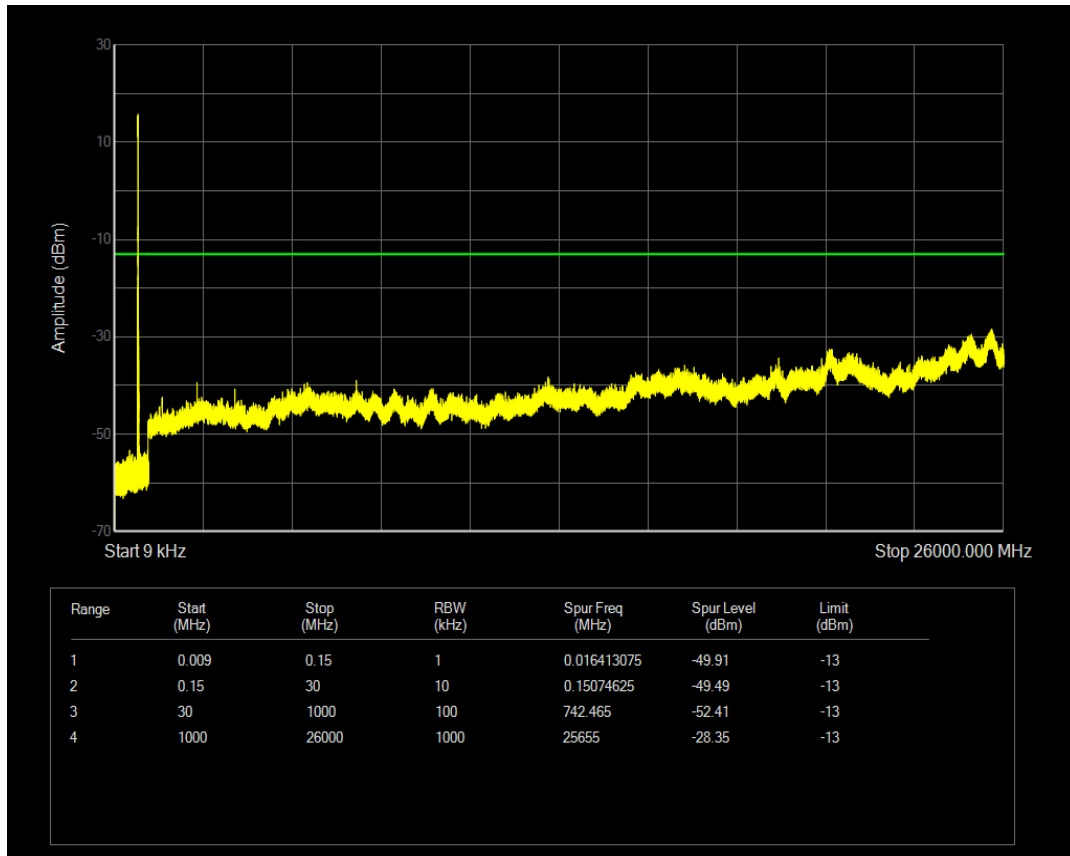
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



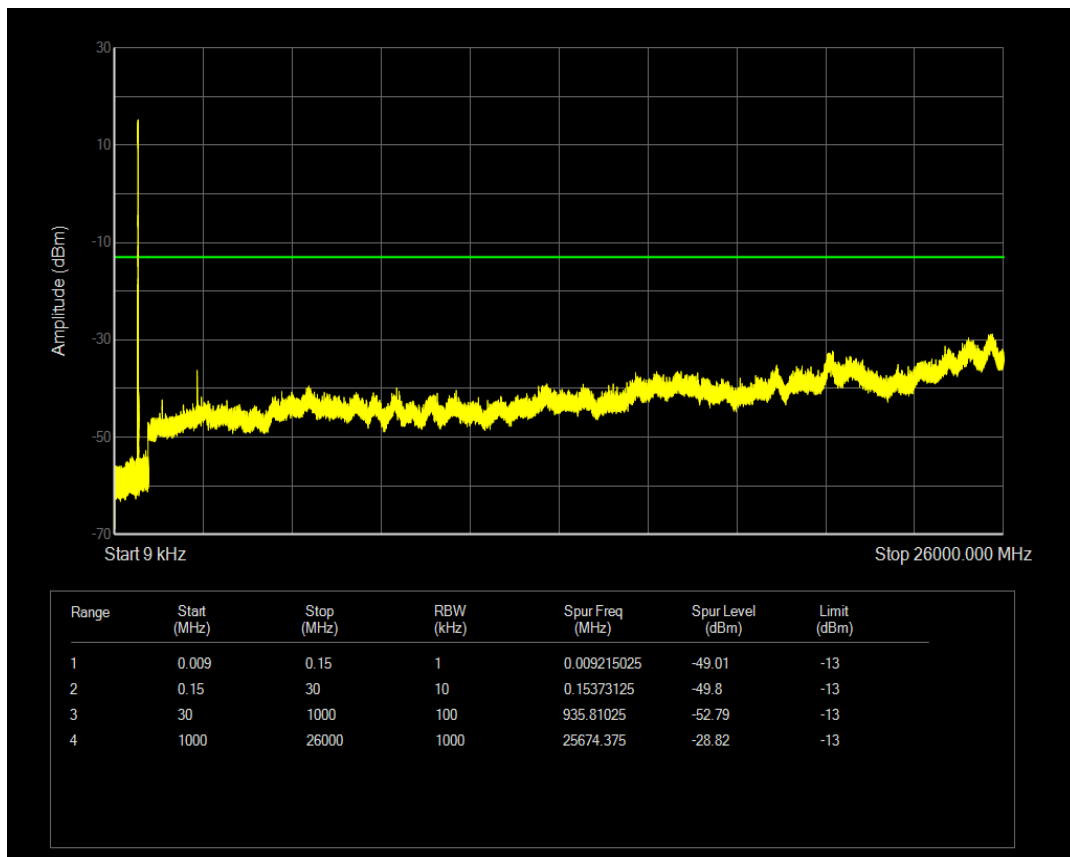
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



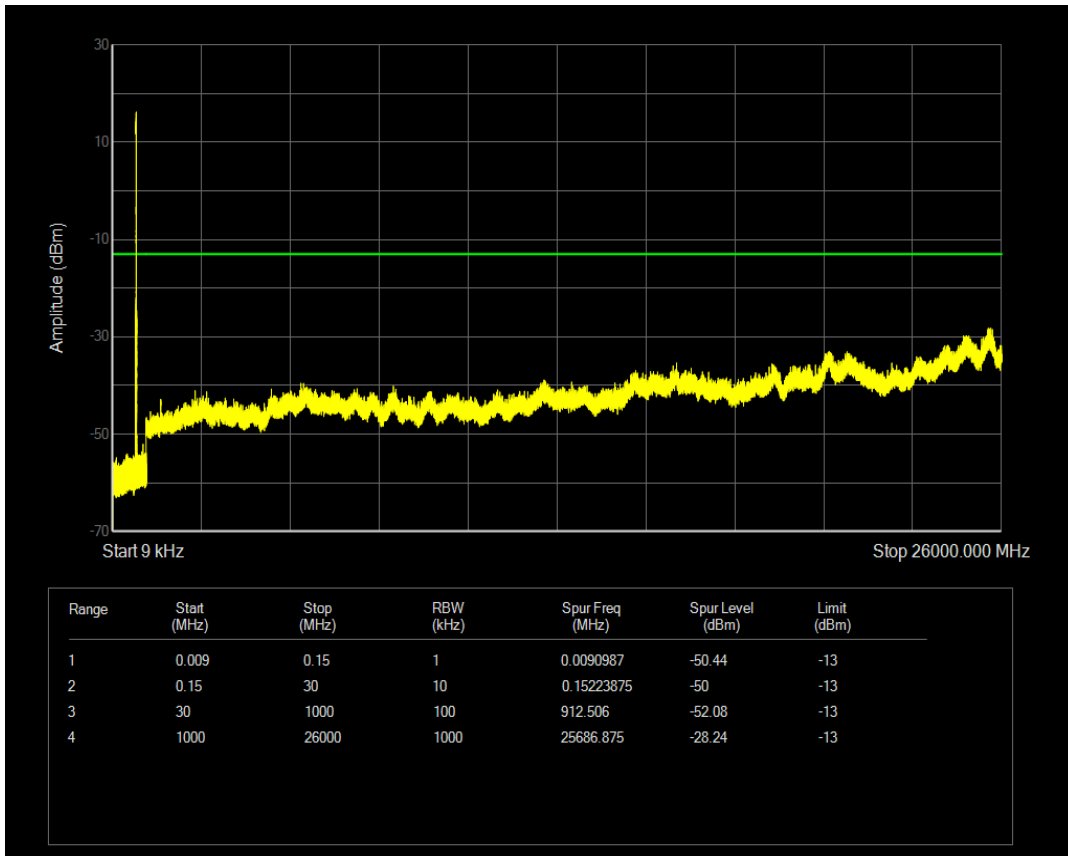
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



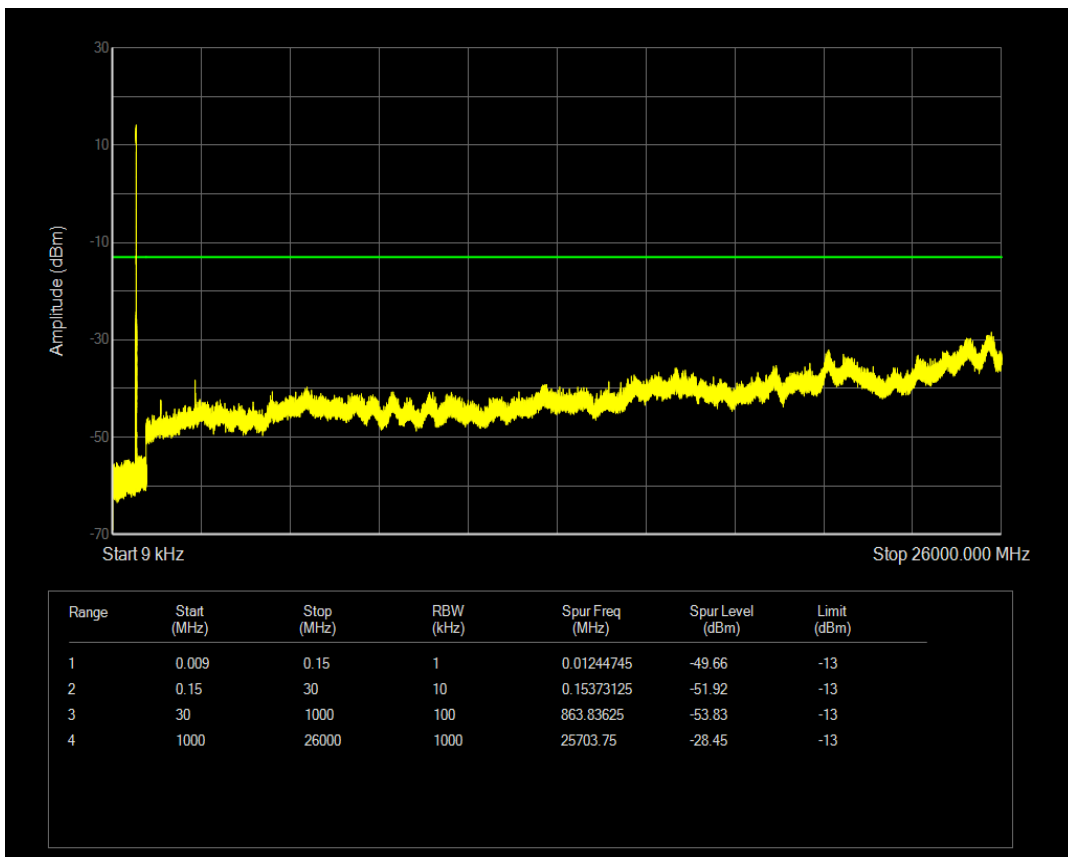
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



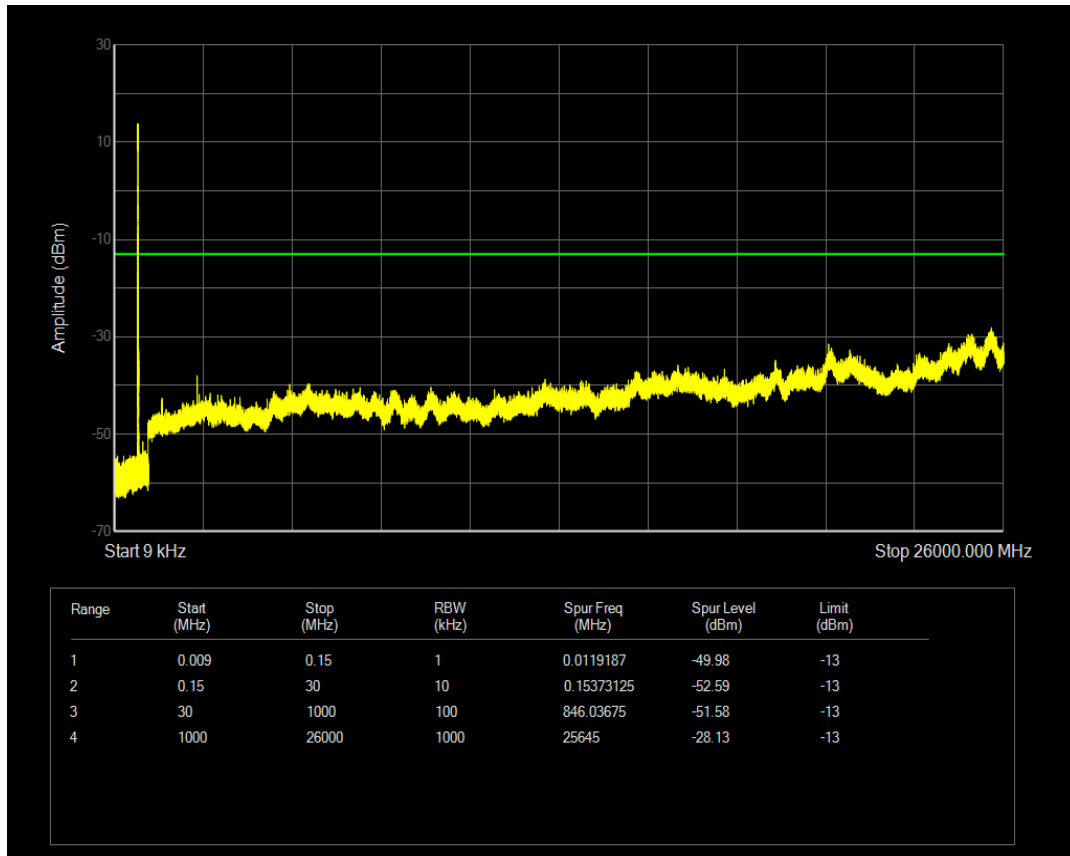
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



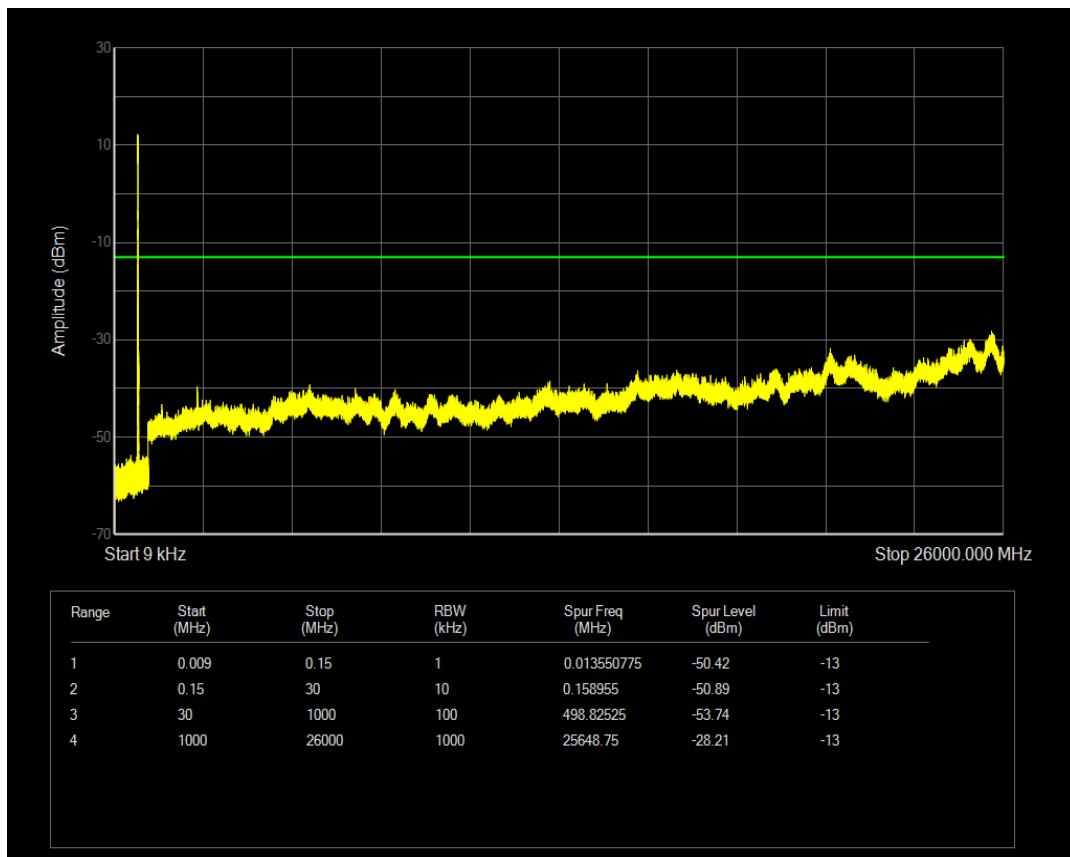
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



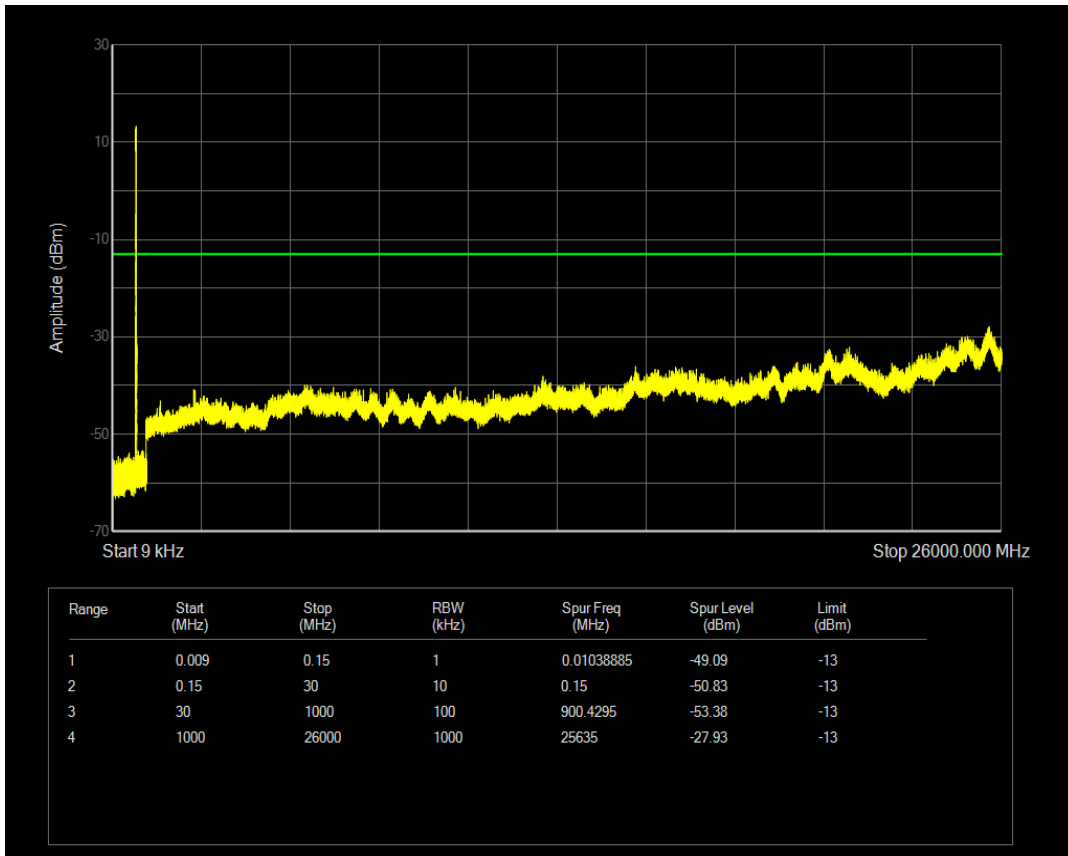
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



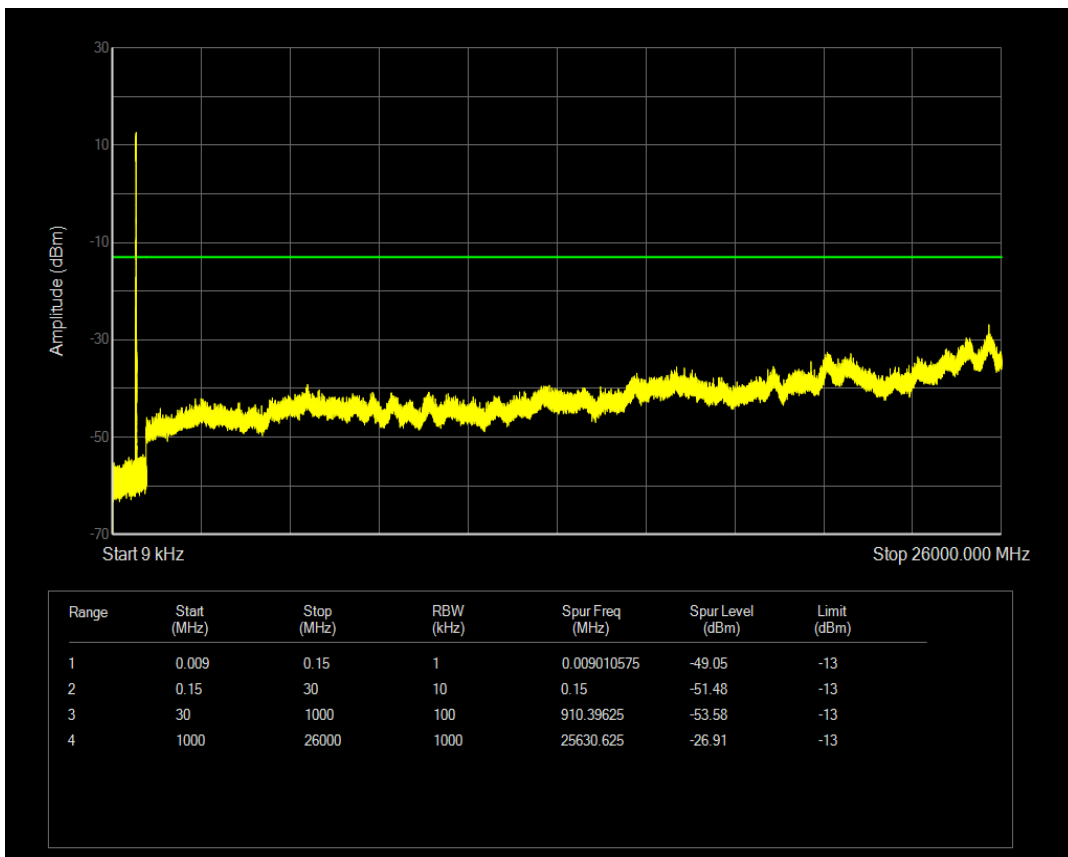
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



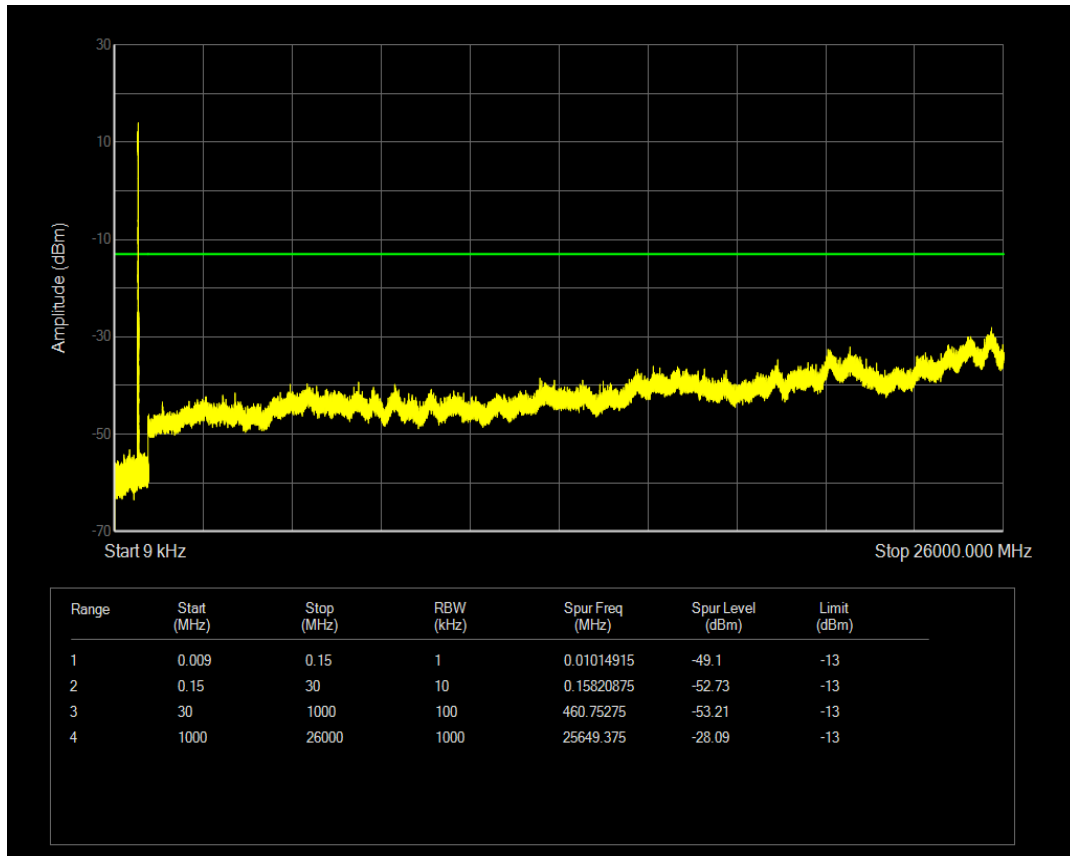
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



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

