

Appendix for Band 12

Report No.: BCTC2409488798-5E

Applicant: Shenzhen Huafurui Technology Co., Ltd.

Product Name: Smartphone

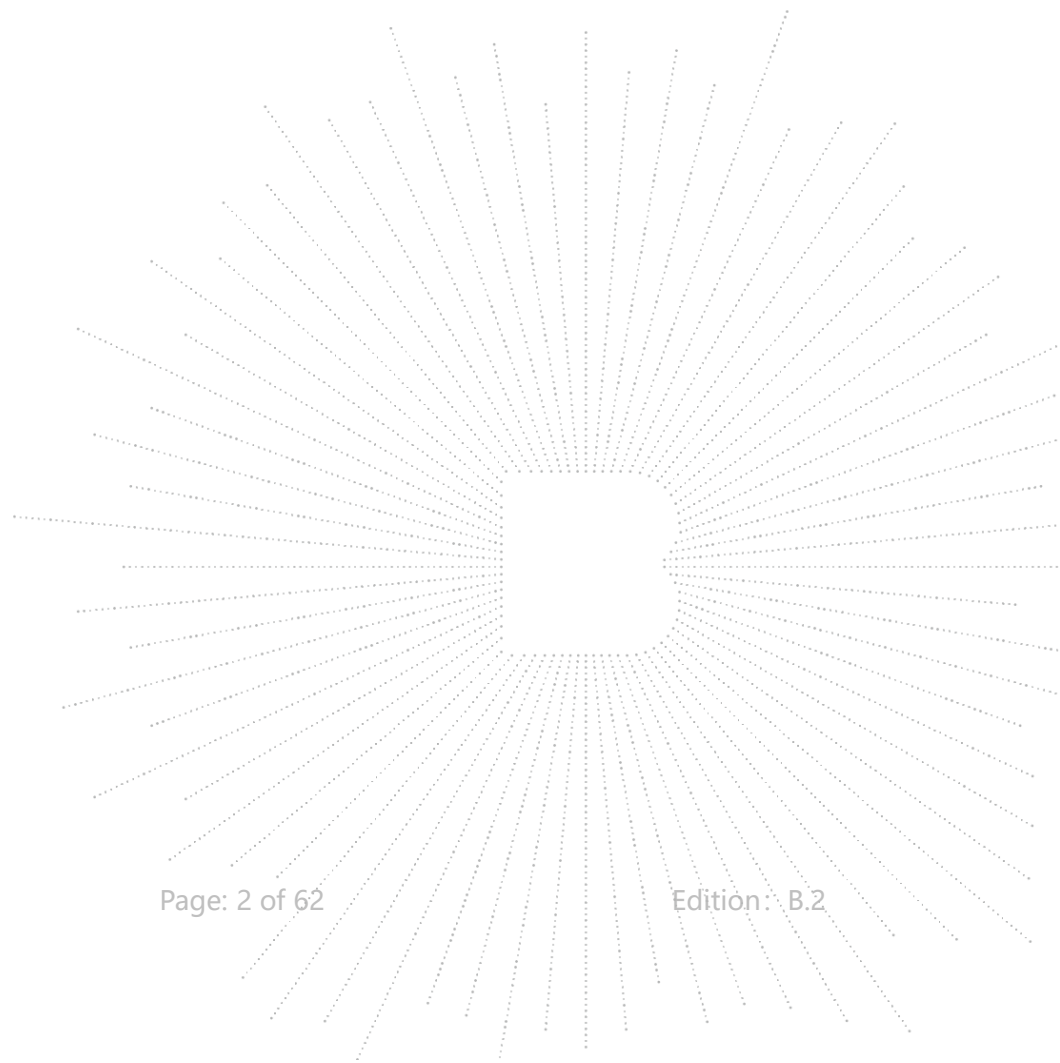
Test Model: KINGKONG X

Tested Date: 2024-09-12 to 2024-10-21

Shenzhen BCTC Testing Co., Ltd.

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

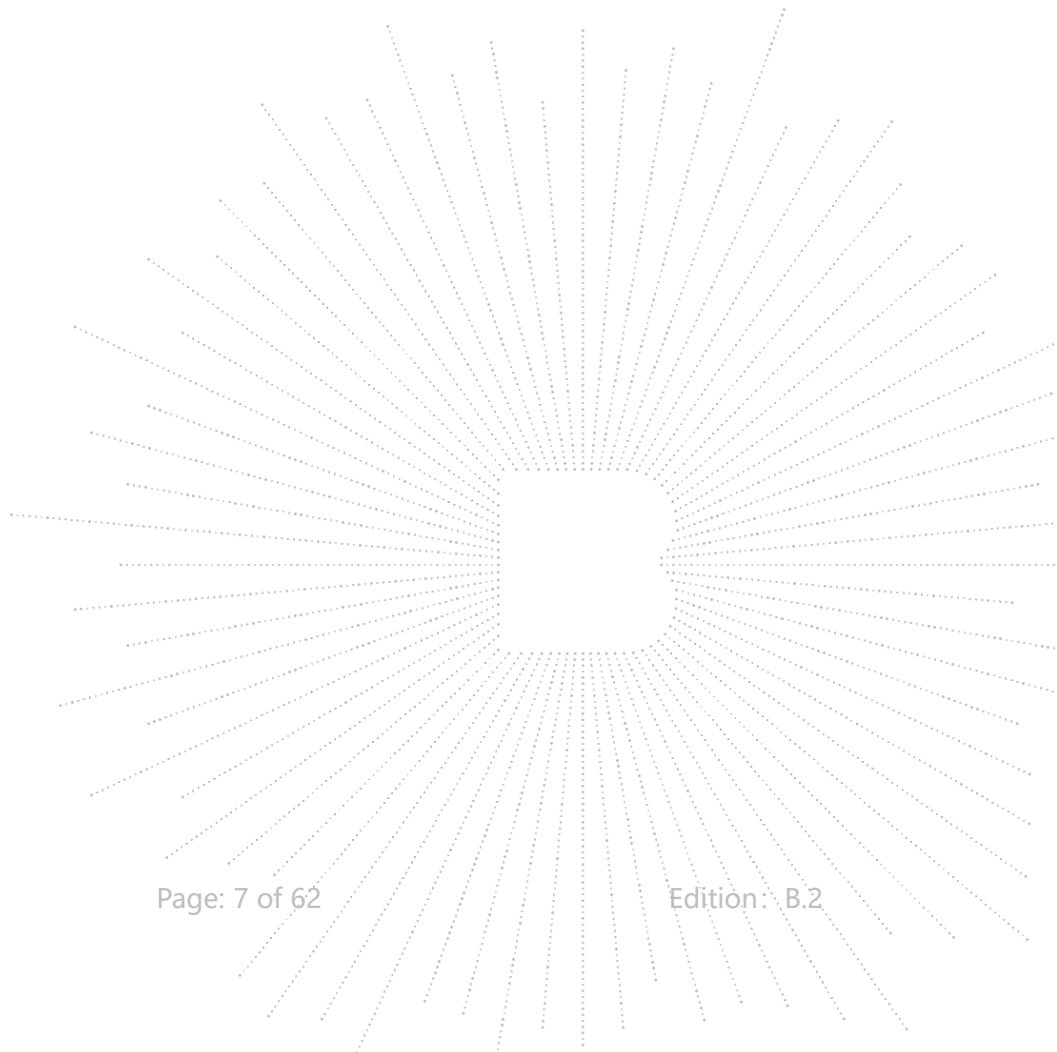
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	23.05	-5.6	15.30	PASS
Band12	1.4	23017	1	#Mid	QPSK	23.11	-5.6	15.36	PASS
Band12	1.4	23017	1	#Max	QPSK	23.03	-5.6	15.28	PASS
Band12	1.4	23017	3	#0	QPSK	23.10	-5.6	15.35	PASS
Band12	1.4	23017	3	#Mid	QPSK	23.09	-5.6	15.34	PASS
Band12	1.4	23017	3	#Max	QPSK	23.09	-5.6	15.34	PASS
Band12	1.4	23017	6	#0	QPSK	22.11	-5.6	14.36	PASS
Band12	1.4	23017	1	#0	16QAM	22.39	-5.6	14.64	PASS
Band12	1.4	23017	1	#Mid	16QAM	22.37	-5.6	14.62	PASS
Band12	1.4	23017	1	#Max	16QAM	22.37	-5.6	14.62	PASS
Band12	1.4	23017	3	#0	16QAM	22.31	-5.6	14.56	PASS
Band12	1.4	23017	3	#Mid	16QAM	22.31	-5.6	14.56	PASS
Band12	1.4	23017	3	#Max	16QAM	22.31	-5.6	14.56	PASS
Band12	1.4	23017	6	#0	16QAM	21.26	-5.6	13.51	PASS
Band12	1.4	23095	1	#0	QPSK	22.97	-5.6	15.22	PASS
Band12	1.4	23095	1	#Mid	QPSK	23.02	-5.6	15.27	PASS
Band12	1.4	23095	1	#Max	QPSK	22.95	-5.6	15.20	PASS
Band12	1.4	23095	3	#0	QPSK	23.02	-5.6	15.27	PASS
Band12	1.4	23095	3	#Mid	QPSK	23.05	-5.6	15.30	PASS
Band12	1.4	23095	3	#Max	QPSK	23.01	-5.6	15.26	PASS
Band12	1.4	23095	6	#0	QPSK	21.99	-5.6	14.24	PASS
Band12	1.4	23095	1	#0	16QAM	22.23	-5.6	14.48	PASS
Band12	1.4	23095	1	#Mid	16QAM	22.22	-5.6	14.47	PASS
Band12	1.4	23095	1	#Max	16QAM	22.21	-5.6	14.46	PASS
Band12	1.4	23095	3	#0	16QAM	22.26	-5.6	14.51	PASS
Band12	1.4	23095	3	#Mid	16QAM	22.28	-5.6	14.53	PASS
Band12	1.4	23095	3	#Max	16QAM	22.26	-5.6	14.51	PASS
Band12	1.4	23095	6	#0	16QAM	21.19	-5.6	13.44	PASS
Band12	1.4	23173	1	#0	QPSK	23.06	-5.6	15.31	PASS
Band12	1.4	23173	1	#Mid	QPSK	23.10	-5.6	15.35	PASS
Band12	1.4	23173	1	#Max	QPSK	23.05	-5.6	15.30	PASS
Band12	1.4	23173	3	#0	QPSK	23.11	-5.6	15.36	PASS
Band12	1.4	23173	3	#Mid	QPSK	23.12	-5.6	15.37	PASS
Band12	1.4	23173	3	#Max	QPSK	23.15	-5.6	15.40	PASS
Band12	1.4	23173	6	#0	QPSK	22.11	-5.6	14.36	PASS
Band12	1.4	23173	1	#0	16QAM	22.37	-5.6	14.62	PASS

Band12	1.4	23173	1	#Mid	16QAM	22.39	-5.6	14.64	PASS
Band12	1.4	23173	1	#Max	16QAM	22.37	-5.6	14.62	PASS
Band12	1.4	23173	3	#0	16QAM	22.29	-5.6	14.54	PASS
Band12	1.4	23173	3	#Mid	16QAM	22.35	-5.6	14.60	PASS
Band12	1.4	23173	3	#Max	16QAM	22.39	-5.6	14.64	PASS
Band12	1.4	23173	6	#0	16QAM	21.28	-5.6	13.53	PASS
Band12	3	23025	1	#0	QPSK	23.15	-5.6	15.40	PASS
Band12	3	23025	1	#Mid	QPSK	23.26	-5.6	15.51	PASS
Band12	3	23025	1	#Max	QPSK	23.09	-5.6	15.34	PASS
Band12	3	23025	8	#0	QPSK	22.04	-5.6	14.29	PASS
Band12	3	23025	8	#Mid	QPSK	22.05	-5.6	14.30	PASS
Band12	3	23025	8	#Max	QPSK	21.99	-5.6	14.24	PASS
Band12	3	23025	15	#0	QPSK	22.08	-5.6	14.33	PASS
Band12	3	23025	1	#0	16QAM	21.79	-5.6	14.04	PASS
Band12	3	23025	1	#Mid	16QAM	21.67	-5.6	13.92	PASS
Band12	3	23025	1	#Max	16QAM	21.63	-5.6	13.88	PASS
Band12	3	23025	8	#0	16QAM	21.11	-5.6	13.36	PASS
Band12	3	23025	8	#Mid	16QAM	21.10	-5.6	13.35	PASS
Band12	3	23025	8	#Max	16QAM	21.04	-5.6	13.29	PASS
Band12	3	23025	15	#0	16QAM	21.15	-5.6	13.40	PASS
Band12	3	23095	1	#0	QPSK	22.64	-5.6	14.89	PASS
Band12	3	23095	1	#Mid	QPSK	22.63	-5.6	14.88	PASS
Band12	3	23095	1	#Max	QPSK	22.49	-5.6	14.74	PASS
Band12	3	23095	8	#0	QPSK	21.91	-5.6	14.16	PASS
Band12	3	23095	8	#Mid	QPSK	21.94	-5.6	14.19	PASS
Band12	3	23095	8	#Max	QPSK	21.90	-5.6	14.15	PASS
Band12	3	23095	15	#0	QPSK	21.93	-5.6	14.18	PASS
Band12	3	23095	1	#0	16QAM	21.96	-5.6	14.21	PASS
Band12	3	23095	1	#Mid	16QAM	21.94	-5.6	14.19	PASS
Band12	3	23095	1	#Max	16QAM	21.88	-5.6	14.13	PASS
Band12	3	23095	8	#0	16QAM	21.01	-5.6	13.26	PASS
Band12	3	23095	8	#Mid	16QAM	21.03	-5.6	13.28	PASS
Band12	3	23095	8	#Max	16QAM	20.95	-5.6	13.20	PASS
Band12	3	23095	15	#0	16QAM	21.00	-5.6	13.25	PASS
Band12	3	23165	1	#0	QPSK	22.50	-5.6	14.75	PASS
Band12	3	23165	1	#Mid	QPSK	22.56	-5.6	14.81	PASS
Band12	3	23165	1	#Max	QPSK	22.56	-5.6	14.81	PASS
Band12	3	23165	8	#0	QPSK	22.04	-5.6	14.29	PASS
Band12	3	23165	8	#Mid	QPSK	22.08	-5.6	14.33	PASS
Band12	3	23165	8	#Max	QPSK	22.07	-5.6	14.32	PASS
Band12	3	23165	15	#0	QPSK	22.09	-5.6	14.34	PASS
Band12	3	23165	1	#0	16QAM	21.77	-5.6	14.02	PASS
Band12	3	23165	1	#Mid	16QAM	21.87	-5.6	14.12	PASS

Band12	3	23165	1	#Max	16QAM	21.83	-5.6	14.08	PASS
Band12	3	23165	8	#0	16QAM	21.10	-5.6	13.35	PASS
Band12	3	23165	8	#Mid	16QAM	21.11	-5.6	13.36	PASS
Band12	3	23165	8	#Max	16QAM	21.16	-5.6	13.41	PASS
Band12	3	23165	15	#0	16QAM	21.06	-5.6	13.31	PASS
Band12	5	23035	1	#0	QPSK	22.63	-5.6	14.88	PASS
Band12	5	23035	1	#Mid	QPSK	22.54	-5.6	14.79	PASS
Band12	5	23035	1	#Max	QPSK	22.56	-5.6	14.81	PASS
Band12	5	23035	12	#0	QPSK	22.17	-5.6	14.42	PASS
Band12	5	23035	12	#Mid	QPSK	22.07	-5.6	14.32	PASS
Band12	5	23035	12	#Max	QPSK	22.03	-5.6	14.28	PASS
Band12	5	23035	25	#0	QPSK	22.14	-5.6	14.39	PASS
Band12	5	23035	1	#0	16QAM	21.99	-5.6	14.24	PASS
Band12	5	23035	1	#Mid	16QAM	21.95	-5.6	14.20	PASS
Band12	5	23035	1	#Max	16QAM	21.93	-5.6	14.18	PASS
Band12	5	23035	12	#0	16QAM	21.20	-5.6	13.45	PASS
Band12	5	23035	12	#Mid	16QAM	21.10	-5.6	13.35	PASS
Band12	5	23035	12	#Max	16QAM	21.06	-5.6	13.31	PASS
Band12	5	23035	25	#0	16QAM	21.11	-5.6	13.36	PASS
Band12	5	23095	1	#0	QPSK	22.61	-5.6	14.86	PASS
Band12	5	23095	1	#Mid	QPSK	22.68	-5.6	14.93	PASS
Band12	5	23095	1	#Max	QPSK	22.61	-5.6	14.86	PASS
Band12	5	23095	12	#0	QPSK	21.93	-5.6	14.18	PASS
Band12	5	23095	12	#Mid	QPSK	21.98	-5.6	14.23	PASS
Band12	5	23095	12	#Max	QPSK	22.00	-5.6	14.25	PASS
Band12	5	23095	25	#0	QPSK	21.94	-5.6	14.19	PASS
Band12	5	23095	1	#0	16QAM	21.97	-5.6	14.22	PASS
Band12	5	23095	1	#Mid	16QAM	21.98	-5.6	14.23	PASS
Band12	5	23095	1	#Max	16QAM	21.96	-5.6	14.21	PASS
Band12	5	23095	12	#0	16QAM	20.88	-5.6	13.13	PASS
Band12	5	23095	12	#Mid	16QAM	20.96	-5.6	13.21	PASS
Band12	5	23095	12	#Max	16QAM	20.93	-5.6	13.18	PASS
Band12	5	23095	25	#0	16QAM	20.91	-5.6	13.16	PASS
Band12	5	23155	1	#0	QPSK	22.59	-5.6	14.84	PASS
Band12	5	23155	1	#Mid	QPSK	22.71	-5.6	14.96	PASS
Band12	5	23155	1	#Max	QPSK	22.83	-5.6	15.08	PASS
Band12	5	23155	12	#0	QPSK	22.15	-5.6	14.40	PASS
Band12	5	23155	12	#Mid	QPSK	22.09	-5.6	14.34	PASS
Band12	5	23155	12	#Max	QPSK	22.04	-5.6	14.29	PASS
Band12	5	23155	25	#0	QPSK	22.13	-5.6	14.38	PASS
Band12	5	23155	1	#0	16QAM	22.02	-5.6	14.27	PASS
Band12	5	23155	1	#Mid	16QAM	22.13	-5.6	14.38	PASS
Band12	5	23155	1	#Max	16QAM	22.20	-5.6	14.45	PASS

Band12	5	23155	12	#0	16QAM	21.08	-5.6	13.33	PASS
Band12	5	23155	12	#Mid	16QAM	21.03	-5.6	13.28	PASS
Band12	5	23155	12	#Max	16QAM	21.04	-5.6	13.29	PASS
Band12	5	23155	25	#0	16QAM	21.14	-5.6	13.39	PASS
Band12	10	23060	1	#0	QPSK	22.66	-5.6	14.91	PASS
Band12	10	23060	1	#Mid	QPSK	22.56	-5.6	14.81	PASS
Band12	10	23060	1	#Max	QPSK	22.51	-5.6	14.76	PASS
Band12	10	23060	25	#0	QPSK	22.10	-5.6	14.35	PASS
Band12	10	23060	25	#Mid	QPSK	22.03	-5.6	14.28	PASS
Band12	10	23060	25	#Max	QPSK	22.15	-5.6	14.40	PASS
Band12	10	23060	50	#0	QPSK	22.12	-5.6	14.37	PASS
Band12	10	23060	1	#0	16QAM	22.04	-5.6	14.29	PASS
Band12	10	23060	1	#Mid	16QAM	21.94	-5.6	14.19	PASS
Band12	10	23060	1	#Max	16QAM	21.88	-5.6	14.13	PASS
Band12	10	23060	25	#0	16QAM	21.14	-5.6	13.39	PASS
Band12	10	23060	25	#Mid	16QAM	21.03	-5.6	13.28	PASS
Band12	10	23060	25	#Max	16QAM	21.19	-5.6	13.44	PASS
Band12	10	23060	50	#0	16QAM	21.13	-5.6	13.38	PASS
Band12	10	23095	1	#0	QPSK	22.59	-5.6	14.84	PASS
Band12	10	23095	1	#Mid	QPSK	22.46	-5.6	14.71	PASS
Band12	10	23095	1	#Max	QPSK	22.50	-5.6	14.75	PASS
Band12	10	23095	25	#0	QPSK	21.82	-5.6	14.07	PASS
Band12	10	23095	25	#Mid	QPSK	21.93	-5.6	14.18	PASS
Band12	10	23095	25	#Max	QPSK	21.88	-5.6	14.13	PASS
Band12	10	23095	50	#0	QPSK	21.89	-5.6	14.14	PASS
Band12	10	23095	1	#0	16QAM	21.68	-5.6	13.93	PASS
Band12	10	23095	1	#Mid	16QAM	21.68	-5.6	13.93	PASS
Band12	10	23095	1	#Max	16QAM	21.71	-5.6	13.96	PASS
Band12	10	23095	25	#0	16QAM	20.83	-5.6	13.08	PASS
Band12	10	23095	25	#Mid	16QAM	20.98	-5.6	13.23	PASS
Band12	10	23095	25	#Max	16QAM	20.89	-5.6	13.14	PASS
Band12	10	23095	50	#0	16QAM	20.87	-5.6	13.12	PASS
Band12	10	23130	1	#0	QPSK	22.57	-5.6	14.82	PASS
Band12	10	23130	1	#Mid	QPSK	22.59	-5.6	14.84	PASS
Band12	10	23130	1	#Max	QPSK	22.67	-5.6	14.92	PASS
Band12	10	23130	25	#0	QPSK	22.00	-5.6	14.25	PASS
Band12	10	23130	25	#Mid	QPSK	21.95	-5.6	14.20	PASS
Band12	10	23130	25	#Max	QPSK	21.95	-5.6	14.20	PASS
Band12	10	23130	50	#0	QPSK	22.01	-5.6	14.26	PASS
Band12	10	23130	1	#0	16QAM	21.45	-5.6	13.70	PASS
Band12	10	23130	1	#Mid	16QAM	21.43	-5.6	13.68	PASS
Band12	10	23130	1	#Max	16QAM	21.55	-5.6	13.80	PASS
Band12	10	23130	25	#0	16QAM	20.98	-5.6	13.23	PASS

Band12	10	23130	25	#Mid	16QAM	20.97	-5.6	13.22	PASS
Band12	10	23130	25	#Max	16QAM	20.95	-5.6	13.20	PASS
Band12	10	23130	50	#0	16QAM	20.95	-5.6	13.20	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	3.13	0.004	PASS
Band12	1.4	23017	6	#0	QPSK	NV	NT	-1.13	-0.002	PASS
Band12	1.4	23017	6	#0	QPSK	HV	NT	-4.01	-0.006	PASS
Band12	1.4	23017	6	#0	16QAM	LV	NT	1.33	0.002	PASS
Band12	1.4	23017	6	#0	16QAM	NV	NT	4.71	0.007	PASS
Band12	1.4	23017	6	#0	16QAM	HV	NT	5.15	0.007	PASS
Band12	1.4	23095	6	#0	QPSK	LV	NT	0.86	0.001	PASS
Band12	1.4	23095	6	#0	QPSK	NV	NT	-2.06	-0.003	PASS
Band12	1.4	23095	6	#0	QPSK	HV	NT	6.17	0.009	PASS
Band12	1.4	23095	6	#0	16QAM	LV	NT	1.10	0.002	PASS
Band12	1.4	23095	6	#0	16QAM	NV	NT	1.04	0.001	PASS
Band12	1.4	23095	6	#0	16QAM	HV	NT	-0.63	-0.001	PASS
Band12	1.4	23173	6	#0	QPSK	LV	NT	-0.39	-0.001	PASS
Band12	1.4	23173	6	#0	QPSK	NV	NT	6.27	0.009	PASS
Band12	1.4	23173	6	#0	QPSK	HV	NT	4.63	0.006	PASS
Band12	1.4	23173	6	#0	16QAM	LV	NT	-3.36	-0.005	PASS
Band12	1.4	23173	6	#0	16QAM	NV	NT	3.18	0.004	PASS
Band12	1.4	23173	6	#0	16QAM	HV	NT	-0.44	-0.001	PASS
Band12	3	23025	15	#0	QPSK	LV	NT	-5.04	-0.007	PASS
Band12	3	23025	15	#0	QPSK	NV	NT	-0.11	0.000	PASS
Band12	3	23025	15	#0	QPSK	HV	NT	-3.75	-0.005	PASS
Band12	3	23025	15	#0	16QAM	LV	NT	-4.79	-0.007	PASS
Band12	3	23025	15	#0	16QAM	NV	NT	0.53	0.001	PASS
Band12	3	23025	15	#0	16QAM	HV	NT	-2.47	-0.004	PASS
Band12	3	23095	15	#0	QPSK	LV	NT	2.73	0.004	PASS
Band12	3	23095	15	#0	QPSK	NV	NT	-1.62	-0.002	PASS
Band12	3	23095	15	#0	QPSK	HV	NT	2.35	0.003	PASS
Band12	3	23095	15	#0	16QAM	LV	NT	0.64	0.001	PASS
Band12	3	23095	15	#0	16QAM	NV	NT	3.06	0.004	PASS
Band12	3	23095	15	#0	16QAM	HV	NT	-1.96	-0.003	PASS
Band12	3	23165	15	#0	QPSK	LV	NT	-1.23	-0.002	PASS
Band12	3	23165	15	#0	QPSK	NV	NT	-4.66	-0.007	PASS
Band12	3	23165	15	#0	QPSK	HV	NT	-1.27	-0.002	PASS
Band12	3	23165	15	#0	16QAM	LV	NT	-4.89	-0.007	PASS
Band12	3	23165	15	#0	16QAM	NV	NT	1.12	0.002	PASS
Band12	3	23165	15	#0	16QAM	HV	NT	-0.04	0.000	PASS
Band12	5	23035	25	#0	QPSK	LV	NT	-2.60	-0.004	PASS
Band12	5	23035	25	#0	QPSK	NV	NT	-3.55	-0.005	PASS

Band12	5	23035	25	#0	QPSK	HV	NT	-3.08	-0.004	PASS
Band12	5	23035	25	#0	16QAM	LV	NT	1.03	0.001	PASS
Band12	5	23035	25	#0	16QAM	NV	NT	-2.17	-0.003	PASS
Band12	5	23035	25	#0	16QAM	HV	NT	2.52	0.004	PASS
Band12	5	23095	25	#0	QPSK	LV	NT	-1.04	-0.001	PASS
Band12	5	23095	25	#0	QPSK	NV	NT	0.41	0.001	PASS
Band12	5	23095	25	#0	QPSK	HV	NT	2.73	0.004	PASS
Band12	5	23095	25	#0	16QAM	LV	NT	-1.73	-0.002	PASS
Band12	5	23095	25	#0	16QAM	NV	NT	-3.22	-0.005	PASS
Band12	5	23095	25	#0	16QAM	HV	NT	0.53	0.001	PASS
Band12	5	23155	25	#0	QPSK	LV	NT	2.25	0.003	PASS
Band12	5	23155	25	#0	QPSK	NV	NT	-1.49	-0.002	PASS
Band12	5	23155	25	#0	QPSK	HV	NT	-1.59	-0.002	PASS
Band12	5	23155	25	#0	16QAM	LV	NT	-3.48	-0.005	PASS
Band12	5	23155	25	#0	16QAM	NV	NT	-2.99	-0.004	PASS
Band12	5	23155	25	#0	16QAM	HV	NT	0.11	0.000	PASS
Band12	10	23060	50	#0	QPSK	LV	NT	-0.73	-0.001	PASS
Band12	10	23060	50	#0	QPSK	NV	NT	-2.99	-0.004	PASS
Band12	10	23060	50	#0	QPSK	HV	NT	-0.53	-0.001	PASS
Band12	10	23060	50	#0	16QAM	LV	NT	-3.42	-0.005	PASS
Band12	10	23060	50	#0	16QAM	NV	NT	-1.76	-0.003	PASS
Band12	10	23060	50	#0	16QAM	HV	NT	-1.83	-0.003	PASS
Band12	10	23095	50	#0	QPSK	LV	NT	2.25	0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	NT	0.96	0.001	PASS
Band12	10	23095	50	#0	QPSK	HV	NT	-2.20	-0.003	PASS
Band12	10	23095	50	#0	16QAM	LV	NT	-2.75	-0.004	PASS
Band12	10	23095	50	#0	16QAM	NV	NT	-1.37	-0.002	PASS
Band12	10	23095	50	#0	16QAM	HV	NT	-1.17	-0.002	PASS
Band12	10	23130	50	#0	QPSK	LV	NT	-2.29	-0.003	PASS
Band12	10	23130	50	#0	QPSK	NV	NT	-0.66	-0.001	PASS
Band12	10	23130	50	#0	QPSK	HV	NT	-0.43	-0.001	PASS
Band12	10	23130	50	#0	16QAM	LV	NT	-3.91	-0.005	PASS
Band12	10	23130	50	#0	16QAM	NV	NT	-2.95	-0.004	PASS
Band12	10	23130	50	#0	16QAM	HV	NT	-0.43	-0.001	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	0.72	0.001	PASS
Band12	1.4	23017	6	#0	QPSK	NV	-20	-0.69	-0.001	PASS
Band12	1.4	23017	6	#0	QPSK	NV	-10	-4.46	-0.006	PASS
Band12	1.4	23017	6	#0	QPSK	NV	0	-2.05	-0.003	PASS
Band12	1.4	23017	6	#0	QPSK	NV	10	-0.77	-0.001	PASS
Band12	1.4	23017	6	#0	QPSK	NV	20	-4.76	-0.007	PASS

Band12	1.4	23017	6	#0	QPSK	NV	30	5.06	0.007	PASS
Band12	1.4	23017	6	#0	QPSK	NV	40	0.16	0.000	PASS
Band12	1.4	23017	6	#0	QPSK	NV	50	-5.78	-0.008	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-30	2.46	0.004	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-20	3.79	0.005	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-10	-2.06	-0.003	PASS
Band12	1.4	23017	6	#0	16QAM	NV	0	0.43	0.001	PASS
Band12	1.4	23017	6	#0	16QAM	NV	10	-2.55	-0.004	PASS
Band12	1.4	23017	6	#0	16QAM	NV	20	3.96	0.006	PASS
Band12	1.4	23017	6	#0	16QAM	NV	30	-0.86	-0.001	PASS
Band12	1.4	23017	6	#0	16QAM	NV	40	-0.23	0.000	PASS
Band12	1.4	23017	6	#0	16QAM	NV	50	-6.22	-0.009	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-30	-0.26	0.000	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-20	4.41	0.006	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-10	0.01	0.000	PASS
Band12	1.4	23095	6	#0	QPSK	NV	0	1.36	0.002	PASS
Band12	1.4	23095	6	#0	QPSK	NV	10	-4.06	-0.006	PASS
Band12	1.4	23095	6	#0	QPSK	NV	20	-3.65	-0.005	PASS
Band12	1.4	23095	6	#0	QPSK	NV	30	2.05	0.003	PASS
Band12	1.4	23095	6	#0	QPSK	NV	40	1.56	0.002	PASS
Band12	1.4	23095	6	#0	QPSK	NV	50	-5.45	-0.008	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-30	-2.26	-0.003	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-20	-3.71	-0.005	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-10	3.95	0.006	PASS
Band12	1.4	23095	6	#0	16QAM	NV	0	3.35	0.005	PASS
Band12	1.4	23095	6	#0	16QAM	NV	10	2.98	0.004	PASS
Band12	1.4	23095	6	#0	16QAM	NV	20	-6.41	-0.009	PASS
Band12	1.4	23095	6	#0	16QAM	NV	30	2.25	0.003	PASS
Band12	1.4	23095	6	#0	16QAM	NV	40	1.96	0.003	PASS
Band12	1.4	23095	6	#0	16QAM	NV	50	-3.13	-0.004	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-30	-0.77	-0.001	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-20	-6.38	-0.009	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-10	-2.37	-0.003	PASS
Band12	1.4	23173	6	#0	QPSK	NV	0	-7.15	-0.010	PASS
Band12	1.4	23173	6	#0	QPSK	NV	10	-6.35	-0.009	PASS
Band12	1.4	23173	6	#0	QPSK	NV	20	-0.53	-0.001	PASS
Band12	1.4	23173	6	#0	QPSK	NV	30	1.76	0.002	PASS
Band12	1.4	23173	6	#0	QPSK	NV	40	-2.57	-0.004	PASS
Band12	1.4	23173	6	#0	QPSK	NV	50	-0.96	-0.001	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-30	-0.34	0.000	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-20	-1.47	-0.002	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-10	3.36	0.005	PASS
Band12	1.4	23173	6	#0	16QAM	NV	0	1.66	0.002	PASS

Band12	1.4	23173	6	#0	16QAM	NV	10	2.17	0.003	PASS
Band12	1.4	23173	6	#0	16QAM	NV	20	-4.63	-0.006	PASS
Band12	1.4	23173	6	#0	16QAM	NV	30	-0.13	0.000	PASS
Band12	1.4	23173	6	#0	16QAM	NV	40	0.17	0.000	PASS
Band12	1.4	23173	6	#0	16QAM	NV	50	-1.13	-0.002	PASS
Band12	3	23025	15	#0	QPSK	NV	-30	1.19	0.002	PASS
Band12	3	23025	15	#0	QPSK	NV	-20	-0.17	0.000	PASS
Band12	3	23025	15	#0	QPSK	NV	-10	-6.90	-0.010	PASS
Band12	3	23025	15	#0	QPSK	NV	0	-1.97	-0.003	PASS
Band12	3	23025	15	#0	QPSK	NV	10	2.70	0.004	PASS
Band12	3	23025	15	#0	QPSK	NV	20	1.97	0.003	PASS
Band12	3	23025	15	#0	QPSK	NV	30	-2.36	-0.003	PASS
Band12	3	23025	15	#0	QPSK	NV	40	-2.25	-0.003	PASS
Band12	3	23025	15	#0	QPSK	NV	50	3.00	0.004	PASS
Band12	3	23025	15	#0	16QAM	NV	-30	-4.95	-0.007	PASS
Band12	3	23025	15	#0	16QAM	NV	-20	-0.53	-0.001	PASS
Band12	3	23025	15	#0	16QAM	NV	-10	-2.82	-0.004	PASS
Band12	3	23025	15	#0	16QAM	NV	0	-0.80	-0.001	PASS
Band12	3	23025	15	#0	16QAM	NV	10	3.82	0.005	PASS
Band12	3	23025	15	#0	16QAM	NV	20	4.03	0.006	PASS
Band12	3	23025	15	#0	16QAM	NV	30	2.35	0.003	PASS
Band12	3	23025	15	#0	16QAM	NV	40	-0.47	-0.001	PASS
Band12	3	23025	15	#0	16QAM	NV	50	-7.35	-0.010	PASS
Band12	3	23095	15	#0	QPSK	NV	-30	4.49	0.006	PASS
Band12	3	23095	15	#0	QPSK	NV	-20	4.01	0.006	PASS
Band12	3	23095	15	#0	QPSK	NV	-10	1.59	0.002	PASS
Band12	3	23095	15	#0	QPSK	NV	0	3.85	0.005	PASS
Band12	3	23095	15	#0	QPSK	NV	10	-0.44	-0.001	PASS
Band12	3	23095	15	#0	QPSK	NV	20	-7.25	-0.010	PASS
Band12	3	23095	15	#0	QPSK	NV	30	1.37	0.002	PASS
Band12	3	23095	15	#0	QPSK	NV	40	1.66	0.002	PASS
Band12	3	23095	15	#0	QPSK	NV	50	-0.43	-0.001	PASS
Band12	3	23095	15	#0	16QAM	NV	-30	4.71	0.007	PASS
Band12	3	23095	15	#0	16QAM	NV	-20	4.12	0.006	PASS
Band12	3	23095	15	#0	16QAM	NV	-10	-0.04	0.000	PASS
Band12	3	23095	15	#0	16QAM	NV	0	-7.15	-0.010	PASS
Band12	3	23095	15	#0	16QAM	NV	10	-5.02	-0.007	PASS
Band12	3	23095	15	#0	16QAM	NV	20	-1.14	-0.002	PASS
Band12	3	23095	15	#0	16QAM	NV	30	-1.10	-0.002	PASS
Band12	3	23095	15	#0	16QAM	NV	40	0.31	0.000	PASS
Band12	3	23095	15	#0	16QAM	NV	50	2.99	0.004	PASS
Band12	3	23165	15	#0	QPSK	NV	-30	-1.50	-0.002	PASS
Band12	3	23165	15	#0	QPSK	NV	-20	3.18	0.004	PASS

Band12	3	23165	15	#0	QPSK	NV	-10	-5.52	-0.008	PASS
Band12	3	23165	15	#0	QPSK	NV	0	4.76	0.007	PASS
Band12	3	23165	15	#0	QPSK	NV	10	2.75	0.004	PASS
Band12	3	23165	15	#0	QPSK	NV	20	0.19	0.000	PASS
Band12	3	23165	15	#0	QPSK	NV	30	-2.33	-0.003	PASS
Band12	3	23165	15	#0	QPSK	NV	40	-2.15	-0.003	PASS
Band12	3	23165	15	#0	QPSK	NV	50	4.12	0.006	PASS
Band12	3	23165	15	#0	16QAM	NV	-30	0.74	0.001	PASS
Band12	3	23165	15	#0	16QAM	NV	-20	-6.19	-0.009	PASS
Band12	3	23165	15	#0	16QAM	NV	-10	-1.76	-0.002	PASS
Band12	3	23165	15	#0	16QAM	NV	0	-0.03	0.000	PASS
Band12	3	23165	15	#0	16QAM	NV	10	6.22	0.009	PASS
Band12	3	23165	15	#0	16QAM	NV	20	1.36	0.002	PASS
Band12	3	23165	15	#0	16QAM	NV	30	2.36	0.003	PASS
Band12	3	23165	15	#0	16QAM	NV	40	2.52	0.004	PASS
Band12	3	23165	15	#0	16QAM	NV	50	2.49	0.003	PASS
Band12	5	23035	25	#0	QPSK	NV	-30	0.24	0.000	PASS
Band12	5	23035	25	#0	QPSK	NV	-20	1.76	0.003	PASS
Band12	5	23035	25	#0	QPSK	NV	-10	1.47	0.002	PASS
Band12	5	23035	25	#0	QPSK	NV	0	-2.22	-0.003	PASS
Band12	5	23035	25	#0	QPSK	NV	10	2.78	0.004	PASS
Band12	5	23035	25	#0	QPSK	NV	20	-1.32	-0.002	PASS
Band12	5	23035	25	#0	QPSK	NV	30	4.94	0.007	PASS
Band12	5	23035	25	#0	QPSK	NV	40	-0.89	-0.001	PASS
Band12	5	23035	25	#0	QPSK	NV	50	2.30	0.003	PASS
Band12	5	23035	25	#0	16QAM	NV	-30	-1.63	-0.002	PASS
Band12	5	23035	25	#0	16QAM	NV	-20	-1.06	-0.002	PASS
Band12	5	23035	25	#0	16QAM	NV	-10	1.16	0.002	PASS
Band12	5	23035	25	#0	16QAM	NV	0	-0.92	-0.001	PASS
Band12	5	23035	25	#0	16QAM	NV	10	2.06	0.003	PASS
Band12	5	23035	25	#0	16QAM	NV	20	3.23	0.005	PASS
Band12	5	23035	25	#0	16QAM	NV	30	-0.13	0.000	PASS
Band12	5	23035	25	#0	16QAM	NV	40	-2.42	-0.003	PASS
Band12	5	23035	25	#0	16QAM	NV	50	1.03	0.001	PASS
Band12	5	23095	25	#0	QPSK	NV	-30	1.40	0.002	PASS
Band12	5	23095	25	#0	QPSK	NV	-20	5.56	0.008	PASS
Band12	5	23095	25	#0	QPSK	NV	-10	1.14	0.002	PASS
Band12	5	23095	25	#0	QPSK	NV	0	1.02	0.001	PASS
Band12	5	23095	25	#0	QPSK	NV	10	-0.26	0.000	PASS
Band12	5	23095	25	#0	QPSK	NV	20	-0.40	-0.001	PASS
Band12	5	23095	25	#0	QPSK	NV	30	0.26	0.000	PASS
Band12	5	23095	25	#0	QPSK	NV	40	1.46	0.002	PASS
Band12	5	23095	25	#0	QPSK	NV	50	4.89	0.007	PASS

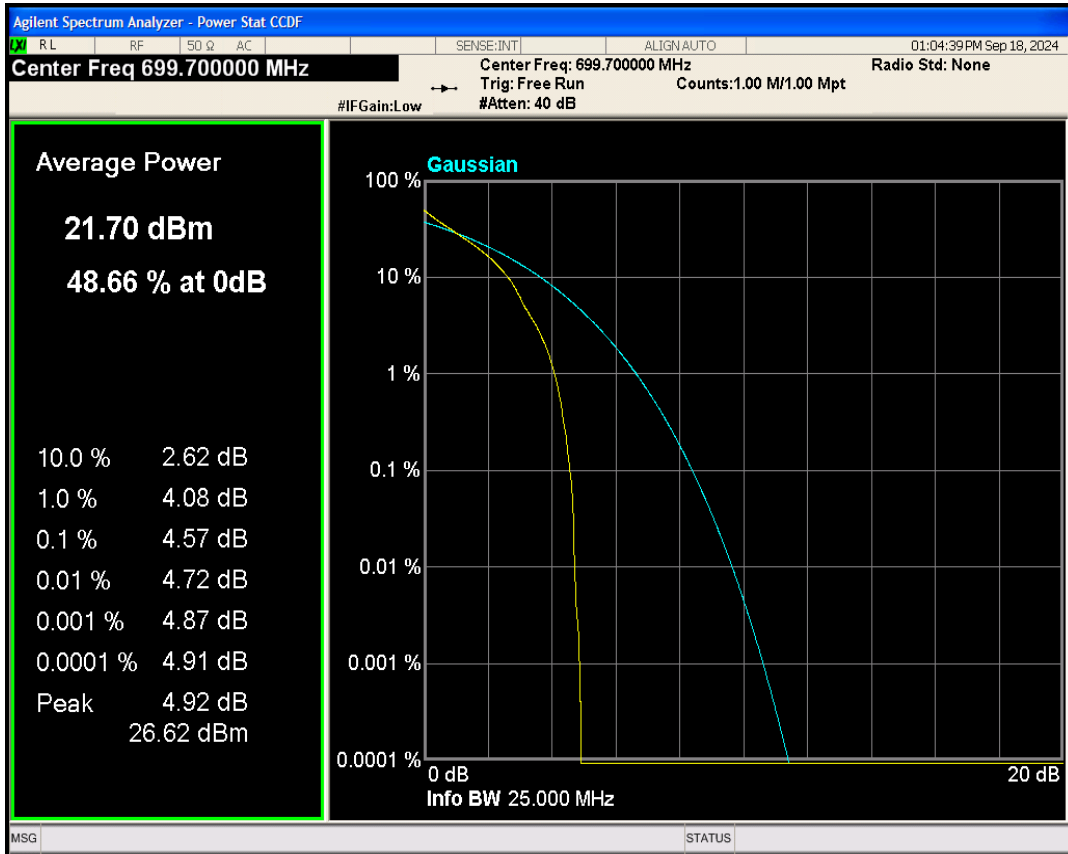
Band12	5	23095	25	#0	16QAM	NV	-30	-0.70	-0.001	PASS
Band12	5	23095	25	#0	16QAM	NV	-20	-3.45	-0.005	PASS
Band12	5	23095	25	#0	16QAM	NV	-10	1.14	0.002	PASS
Band12	5	23095	25	#0	16QAM	NV	0	1.50	0.002	PASS
Band12	5	23095	25	#0	16QAM	NV	10	-1.36	-0.002	PASS
Band12	5	23095	25	#0	16QAM	NV	20	-0.19	0.000	PASS
Band12	5	23095	25	#0	16QAM	NV	30	-4.09	-0.006	PASS
Band12	5	23095	25	#0	16QAM	NV	40	0.77	0.001	PASS
Band12	5	23095	25	#0	16QAM	NV	50	-3.76	-0.005	PASS
Band12	5	23155	25	#0	QPSK	NV	-30	3.75	0.005	PASS
Band12	5	23155	25	#0	QPSK	NV	-20	3.45	0.005	PASS
Band12	5	23155	25	#0	QPSK	NV	-10	3.10	0.004	PASS
Band12	5	23155	25	#0	QPSK	NV	0	-5.51	-0.008	PASS
Band12	5	23155	25	#0	QPSK	NV	10	-2.29	-0.003	PASS
Band12	5	23155	25	#0	QPSK	NV	20	3.52	0.005	PASS
Band12	5	23155	25	#0	QPSK	NV	30	-3.55	-0.005	PASS
Band12	5	23155	25	#0	QPSK	NV	40	-2.60	-0.004	PASS
Band12	5	23155	25	#0	QPSK	NV	50	-3.78	-0.005	PASS
Band12	5	23155	25	#0	16QAM	NV	-30	0.51	0.001	PASS
Band12	5	23155	25	#0	16QAM	NV	-20	-4.02	-0.006	PASS
Band12	5	23155	25	#0	16QAM	NV	-10	3.60	0.005	PASS
Band12	5	23155	25	#0	16QAM	NV	0	-0.56	-0.001	PASS
Band12	5	23155	25	#0	16QAM	NV	10	-1.89	-0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	20	2.29	0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	30	-4.32	-0.006	PASS
Band12	5	23155	25	#0	16QAM	NV	40	1.86	0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	50	-0.20	0.000	PASS
Band12	10	23060	50	#0	QPSK	NV	-30	-0.17	0.000	PASS
Band12	10	23060	50	#0	QPSK	NV	-20	-1.50	-0.002	PASS
Band12	10	23060	50	#0	QPSK	NV	-10	-0.69	-0.001	PASS
Band12	10	23060	50	#0	QPSK	NV	0	-1.69	-0.002	PASS
Band12	10	23060	50	#0	QPSK	NV	10	-1.40	-0.002	PASS
Band12	10	23060	50	#0	QPSK	NV	20	-1.87	-0.003	PASS
Band12	10	23060	50	#0	QPSK	NV	30	-1.33	-0.002	PASS
Band12	10	23060	50	#0	QPSK	NV	40	-1.44	-0.002	PASS
Band12	10	23060	50	#0	QPSK	NV	50	0.77	0.001	PASS
Band12	10	23060	50	#0	16QAM	NV	-30	-1.99	-0.003	PASS
Band12	10	23060	50	#0	16QAM	NV	-20	-0.19	0.000	PASS
Band12	10	23060	50	#0	16QAM	NV	-10	-0.86	-0.001	PASS
Band12	10	23060	50	#0	16QAM	NV	0	-0.41	-0.001	PASS
Band12	10	23060	50	#0	16QAM	NV	10	0.84	0.001	PASS
Band12	10	23060	50	#0	16QAM	NV	20	-1.96	-0.003	PASS
Band12	10	23060	50	#0	16QAM	NV	30	1.32	0.002	PASS

Band12	10	23060	50	#0	16QAM	NV	40	1.43	0.002	PASS
Band12	10	23060	50	#0	16QAM	NV	50	-0.74	-0.001	PASS
Band12	10	23095	50	#0	QPSK	NV	-30	-1.32	-0.002	PASS
Band12	10	23095	50	#0	QPSK	NV	-20	1.19	0.002	PASS
Band12	10	23095	50	#0	QPSK	NV	-10	0.99	0.001	PASS
Band12	10	23095	50	#0	QPSK	NV	0	-4.19	-0.006	PASS
Band12	10	23095	50	#0	QPSK	NV	10	-4.03	-0.006	PASS
Band12	10	23095	50	#0	QPSK	NV	20	1.80	0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	30	0.67	0.001	PASS
Band12	10	23095	50	#0	QPSK	NV	40	-4.79	-0.007	PASS
Band12	10	23095	50	#0	QPSK	NV	50	1.34	0.002	PASS
Band12	10	23095	50	#0	16QAM	NV	-30	1.93	0.003	PASS
Band12	10	23095	50	#0	16QAM	NV	-20	-3.20	-0.005	PASS
Band12	10	23095	50	#0	16QAM	NV	-10	-3.29	-0.005	PASS
Band12	10	23095	50	#0	16QAM	NV	0	-2.83	-0.004	PASS
Band12	10	23095	50	#0	16QAM	NV	10	-3.32	-0.005	PASS
Band12	10	23095	50	#0	16QAM	NV	20	-3.22	-0.005	PASS
Band12	10	23095	50	#0	16QAM	NV	30	-3.42	-0.005	PASS
Band12	10	23095	50	#0	16QAM	NV	40	-2.52	-0.004	PASS
Band12	10	23095	50	#0	16QAM	NV	50	-2.57	-0.004	PASS
Band12	10	23130	50	#0	QPSK	NV	-30	-0.46	-0.001	PASS
Band12	10	23130	50	#0	QPSK	NV	-20	4.31	0.006	PASS
Band12	10	23130	50	#0	QPSK	NV	-10	-0.92	-0.001	PASS
Band12	10	23130	50	#0	QPSK	NV	0	3.28	0.005	PASS
Band12	10	23130	50	#0	QPSK	NV	10	0.21	0.000	PASS
Band12	10	23130	50	#0	QPSK	NV	20	2.40	0.003	PASS
Band12	10	23130	50	#0	QPSK	NV	30	1.13	0.002	PASS
Band12	10	23130	50	#0	QPSK	NV	40	3.85	0.005	PASS
Band12	10	23130	50	#0	QPSK	NV	50	-0.09	0.000	PASS
Band12	10	23130	50	#0	16QAM	NV	-30	1.00	0.001	PASS
Band12	10	23130	50	#0	16QAM	NV	-20	-1.24	-0.002	PASS
Band12	10	23130	50	#0	16QAM	NV	-10	3.49	0.005	PASS
Band12	10	23130	50	#0	16QAM	NV	0	0.24	0.000	PASS
Band12	10	23130	50	#0	16QAM	NV	10	-0.82	-0.001	PASS
Band12	10	23130	50	#0	16QAM	NV	20	3.29	0.005	PASS
Band12	10	23130	50	#0	16QAM	NV	30	-0.54	-0.001	PASS
Band12	10	23130	50	#0	16QAM	NV	40	1.49	0.002	PASS
Band12	10	23130	50	#0	16QAM	NV	50	1.53	0.002	PASS

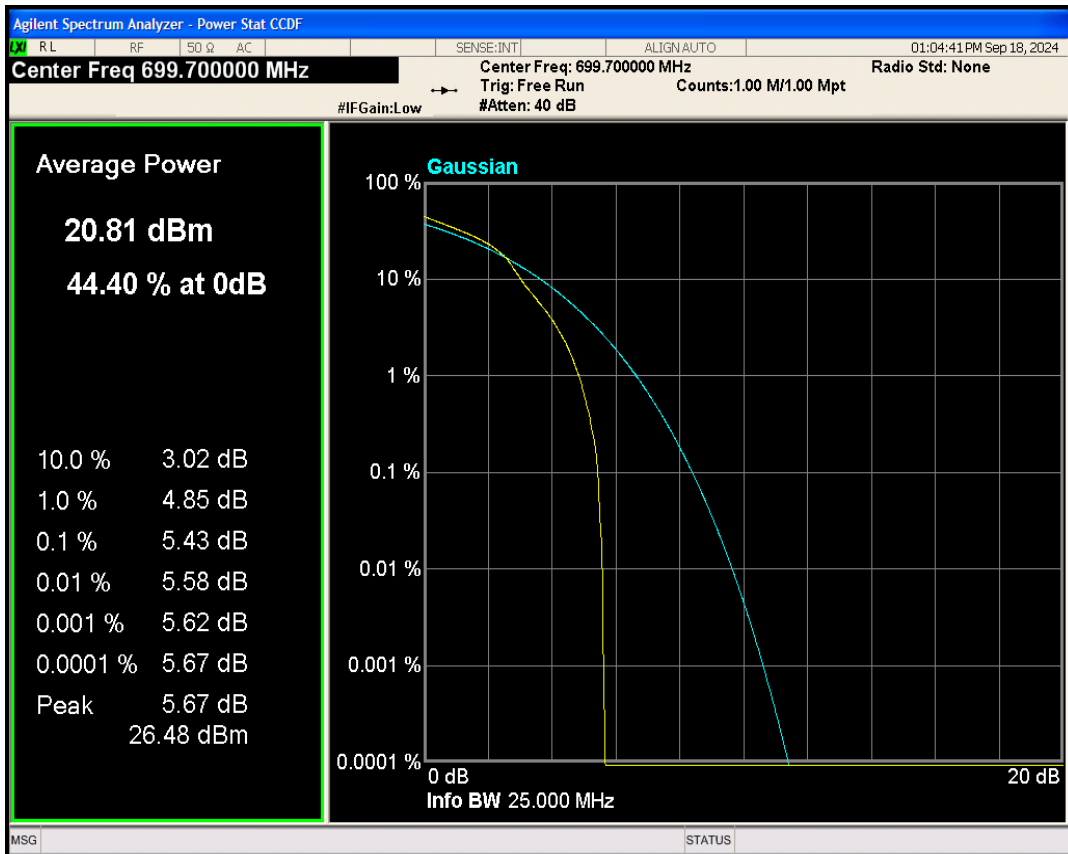
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	4.57	13	PASS
Band12	1.4	23017	1	#0	16QAM	5.43	13	PASS
Band12	1.4	23095	1	#0	QPSK	3.08	13	PASS
Band12	1.4	23095	1	#0	16QAM	4.06	13	PASS
Band12	1.4	23173	1	#0	QPSK	2.05	13	PASS
Band12	1.4	23173	1	#0	16QAM	2.78	13	PASS
Band12	3	23025	1	#0	QPSK	4.45	13	PASS
Band12	3	23025	1	#0	16QAM	5.29	13	PASS
Band12	3	23095	1	#0	QPSK	3.22	13	PASS
Band12	3	23095	1	#0	16QAM	4.13	13	PASS
Band12	3	23165	1	#0	QPSK	2.62	13	PASS
Band12	3	23165	1	#0	16QAM	3.38	13	PASS
Band12	5	23035	1	#0	QPSK	4.53	13	PASS
Band12	5	23035	1	#0	16QAM	5.24	13	PASS
Band12	5	23095	1	#0	QPSK	3.47	13	PASS
Band12	5	23095	1	#0	16QAM	4.21	13	PASS
Band12	5	23155	1	#0	QPSK	3.35	13	PASS
Band12	5	23155	1	#0	16QAM	4.11	13	PASS
Band12	10	23060	1	#0	QPSK	4.46	13	PASS
Band12	10	23060	1	#0	16QAM	5.33	13	PASS
Band12	10	23095	1	#0	QPSK	4.42	13	PASS
Band12	10	23095	1	#0	16QAM	5.30	13	PASS
Band12	10	23130	1	#0	QPSK	3.07	13	PASS
Band12	10	23130	1	#0	16QAM	3.81	13	PASS

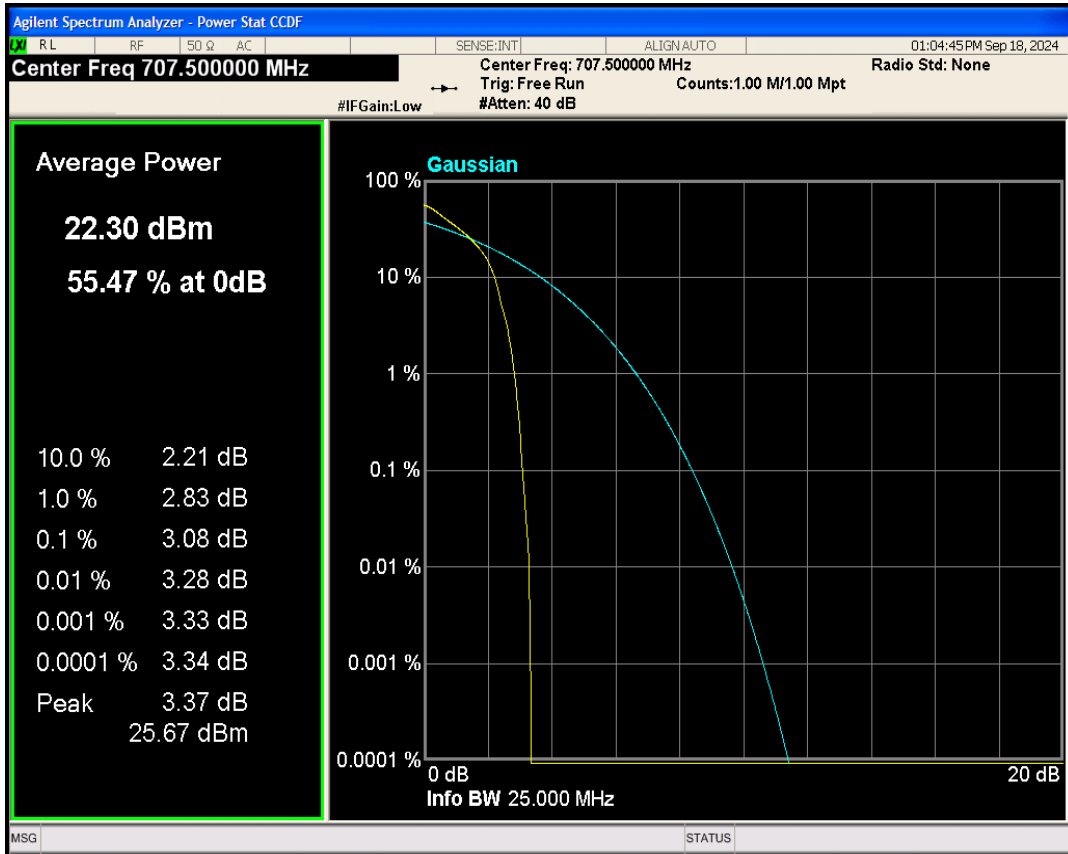
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



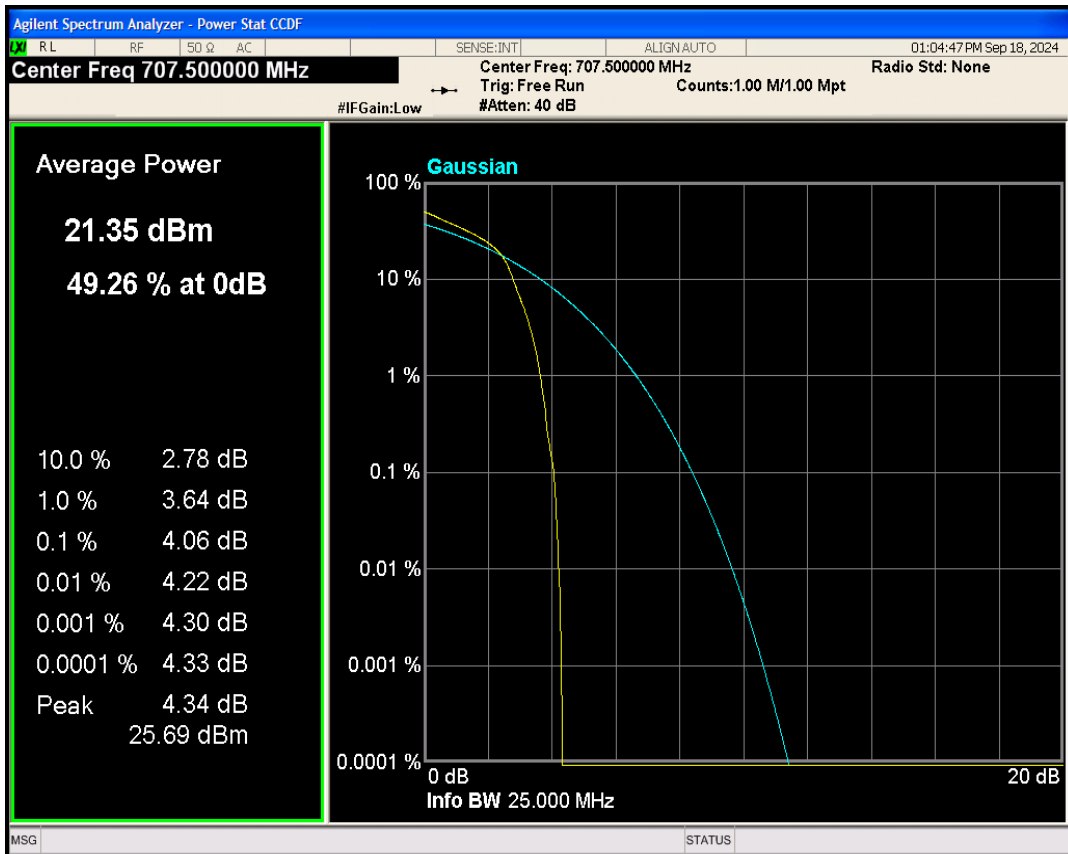
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



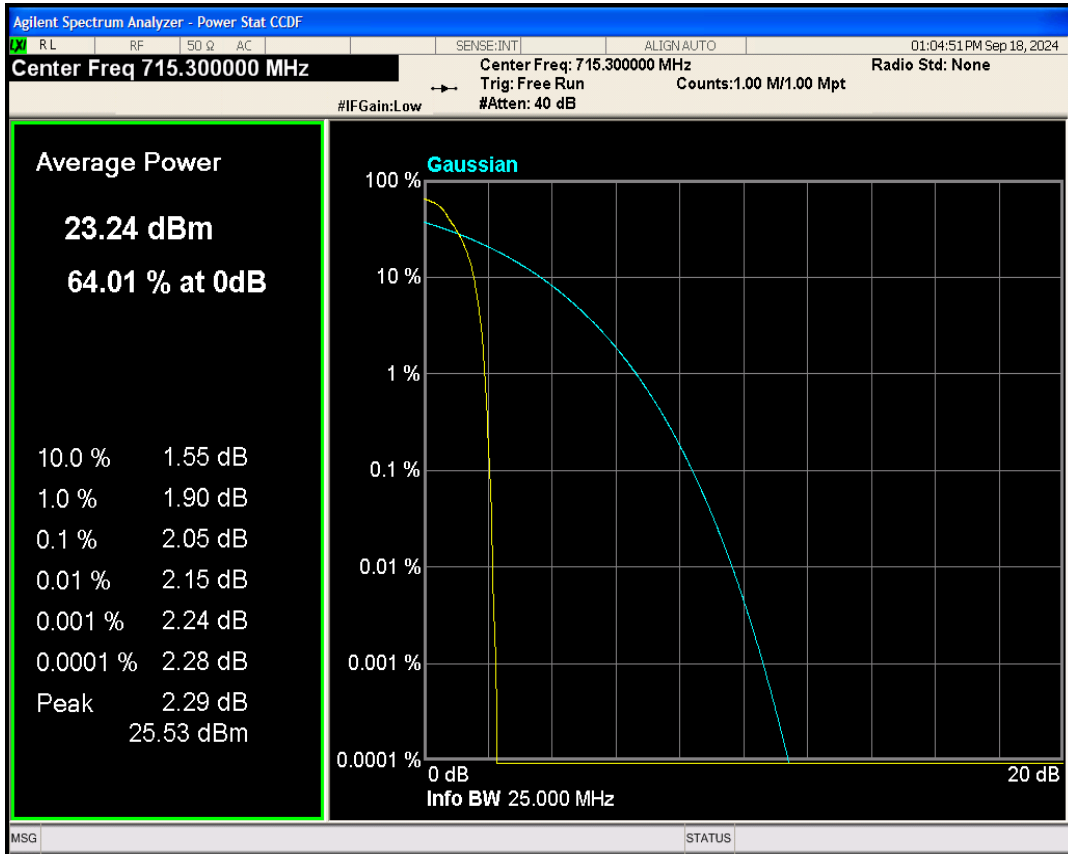
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



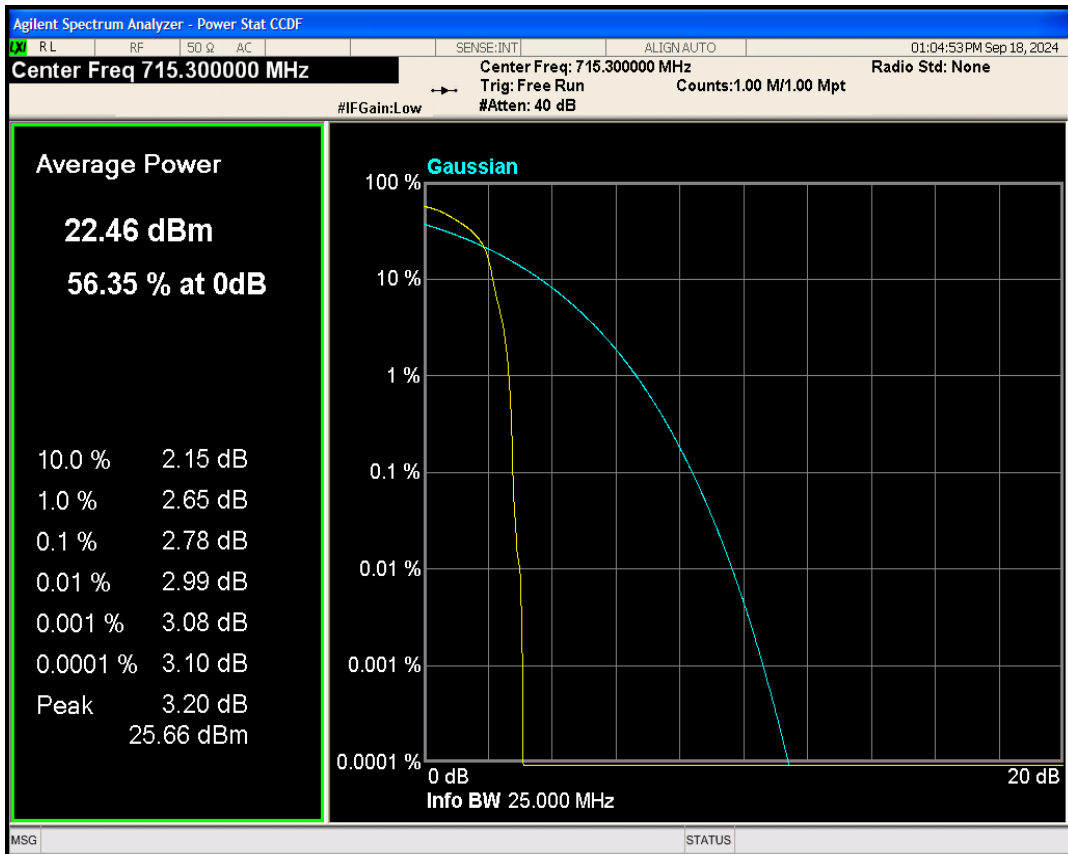
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



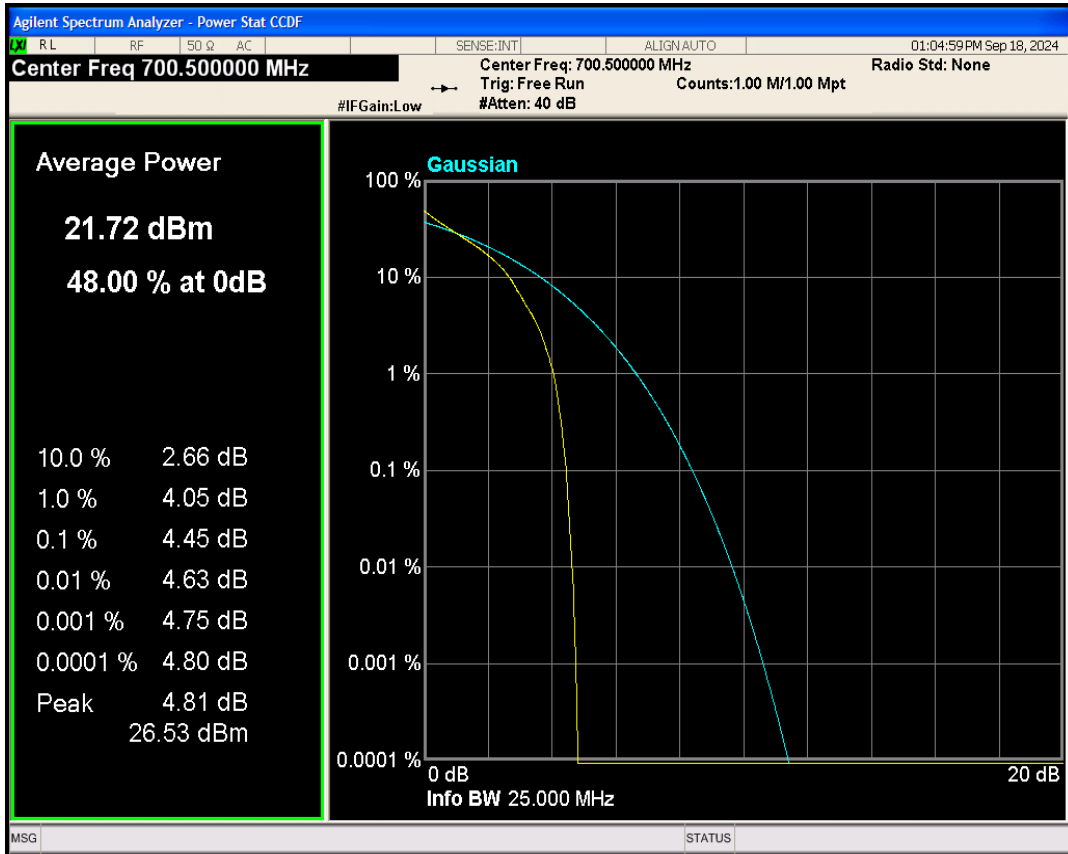
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



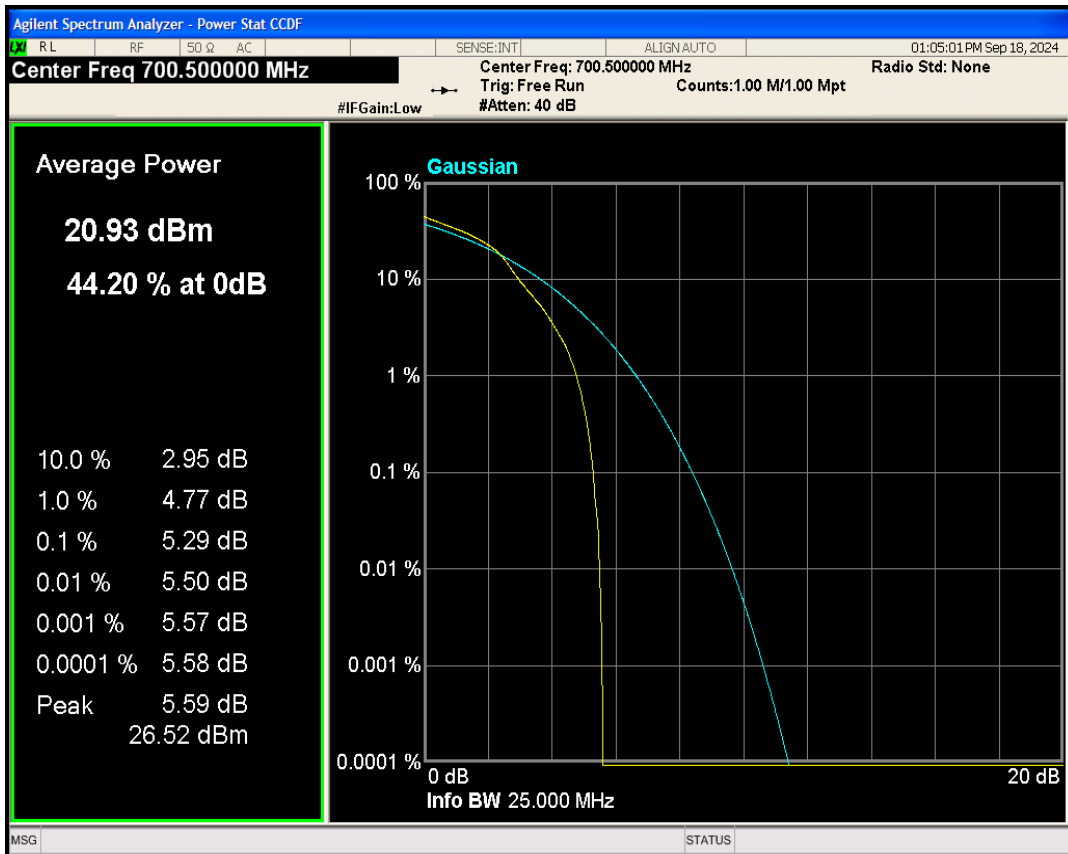
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



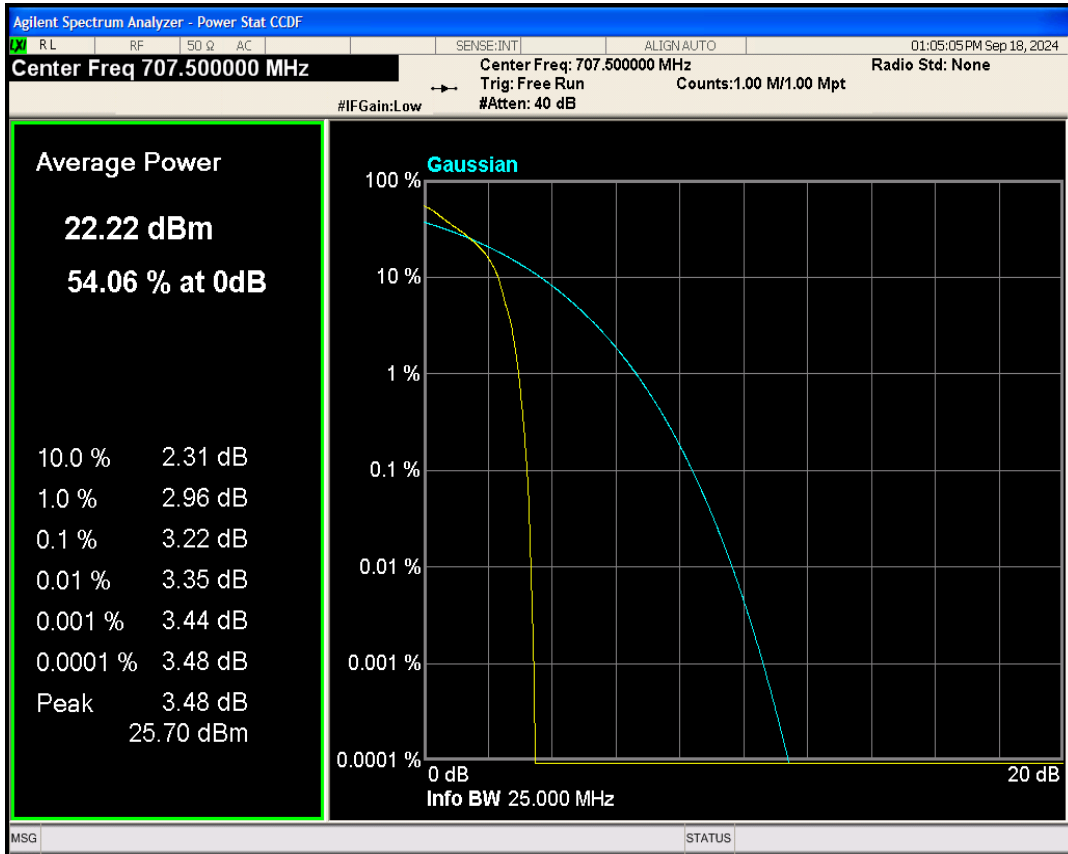
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



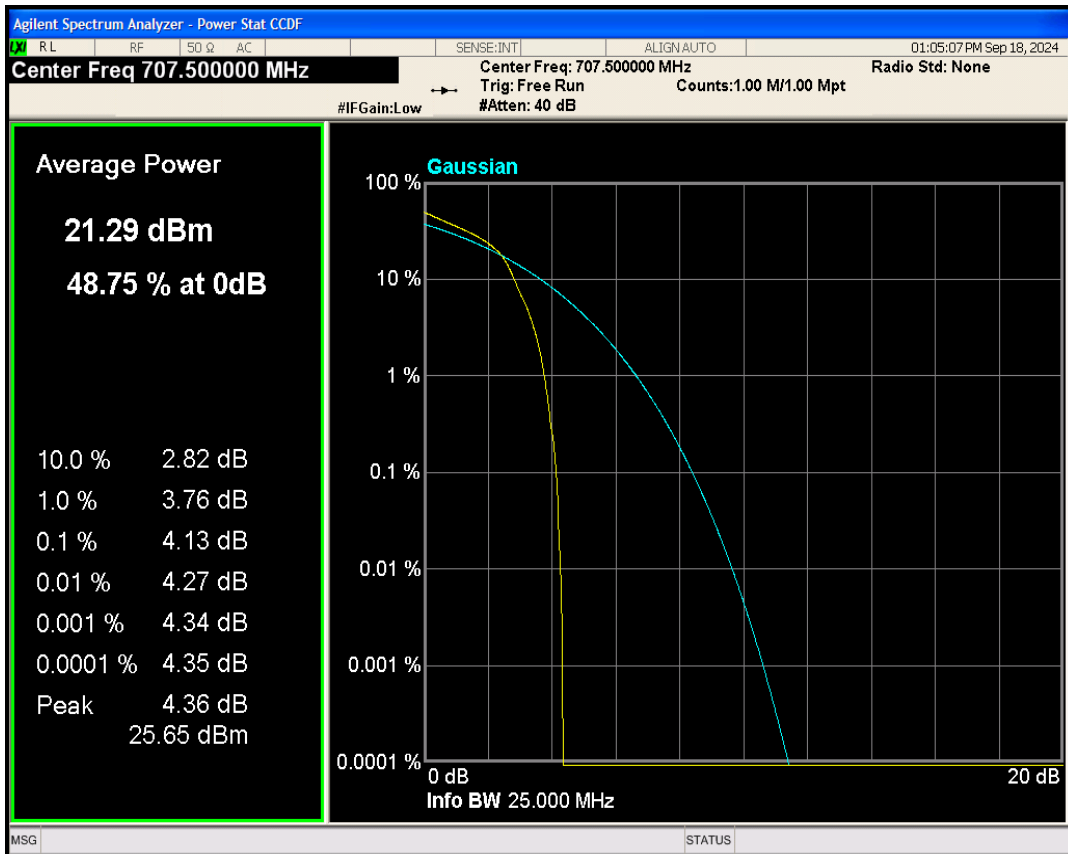
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



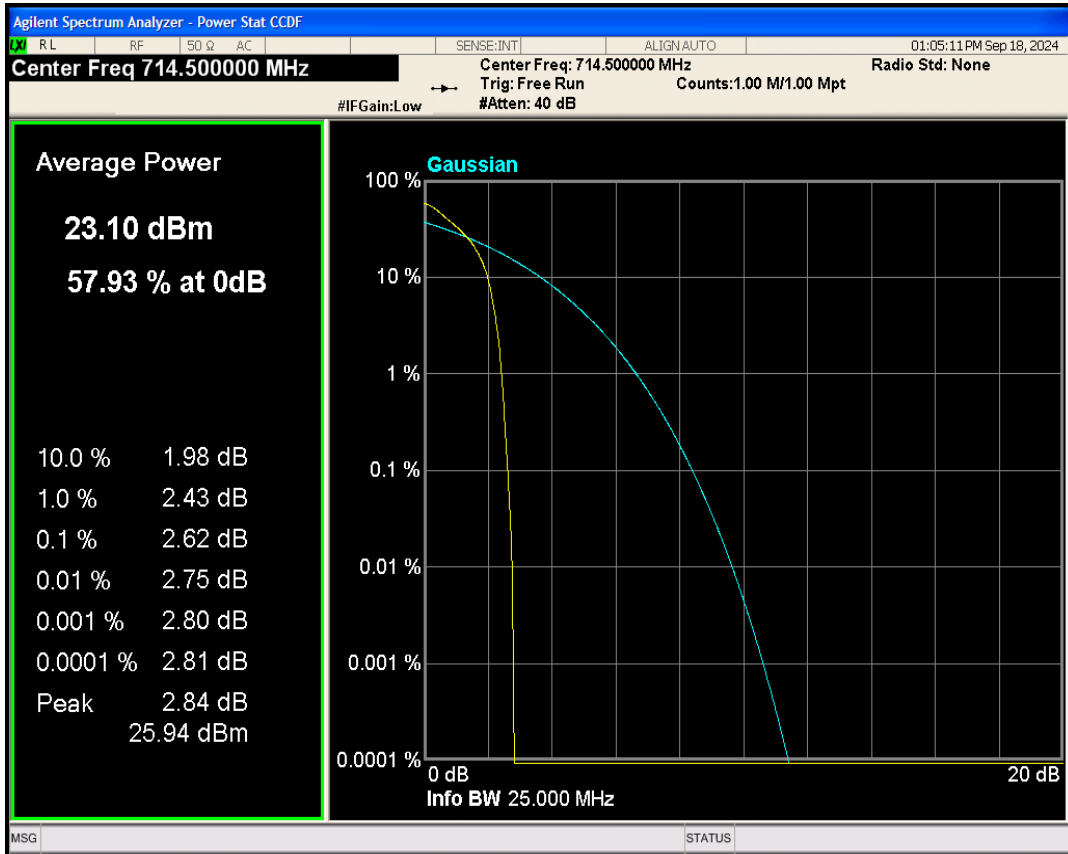
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



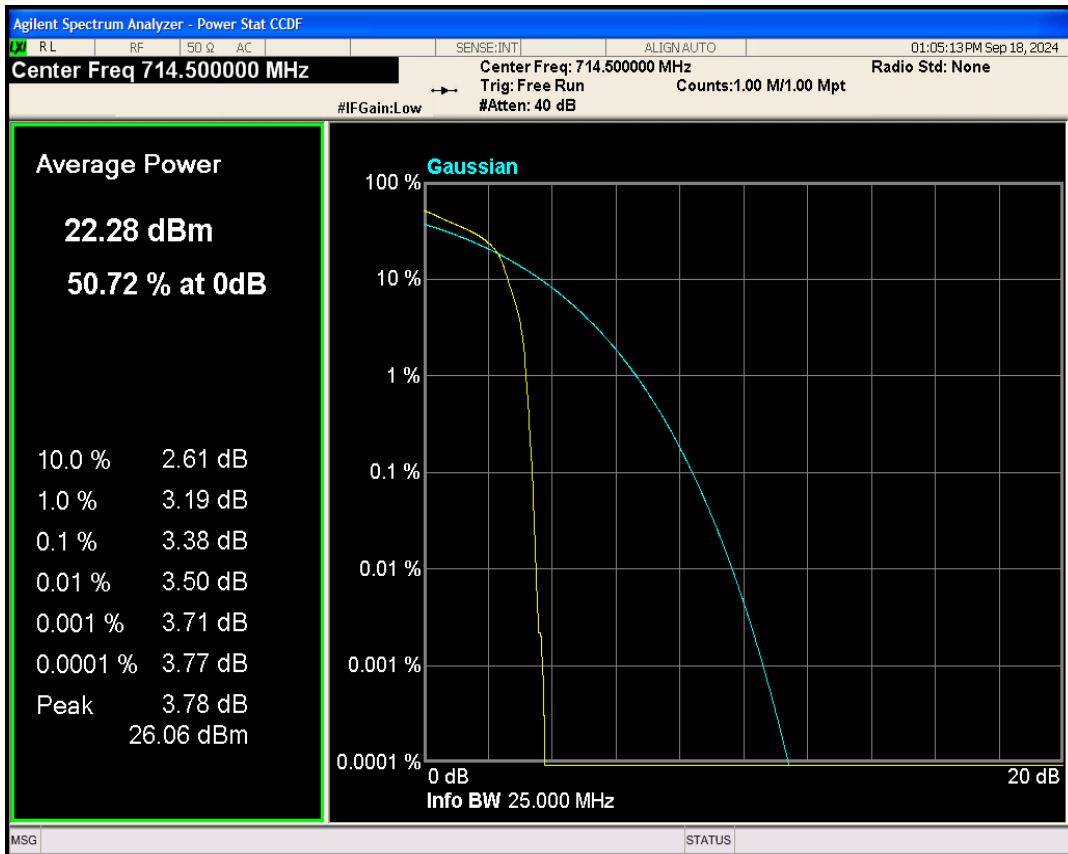
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



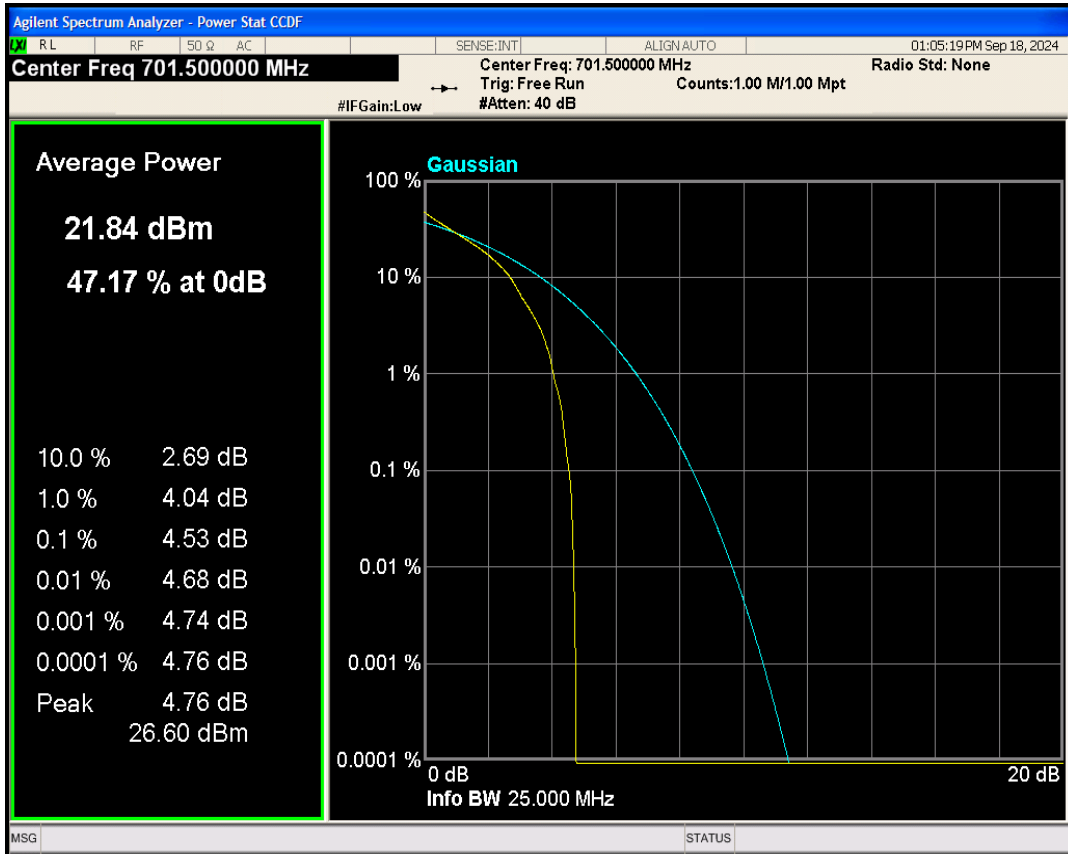
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



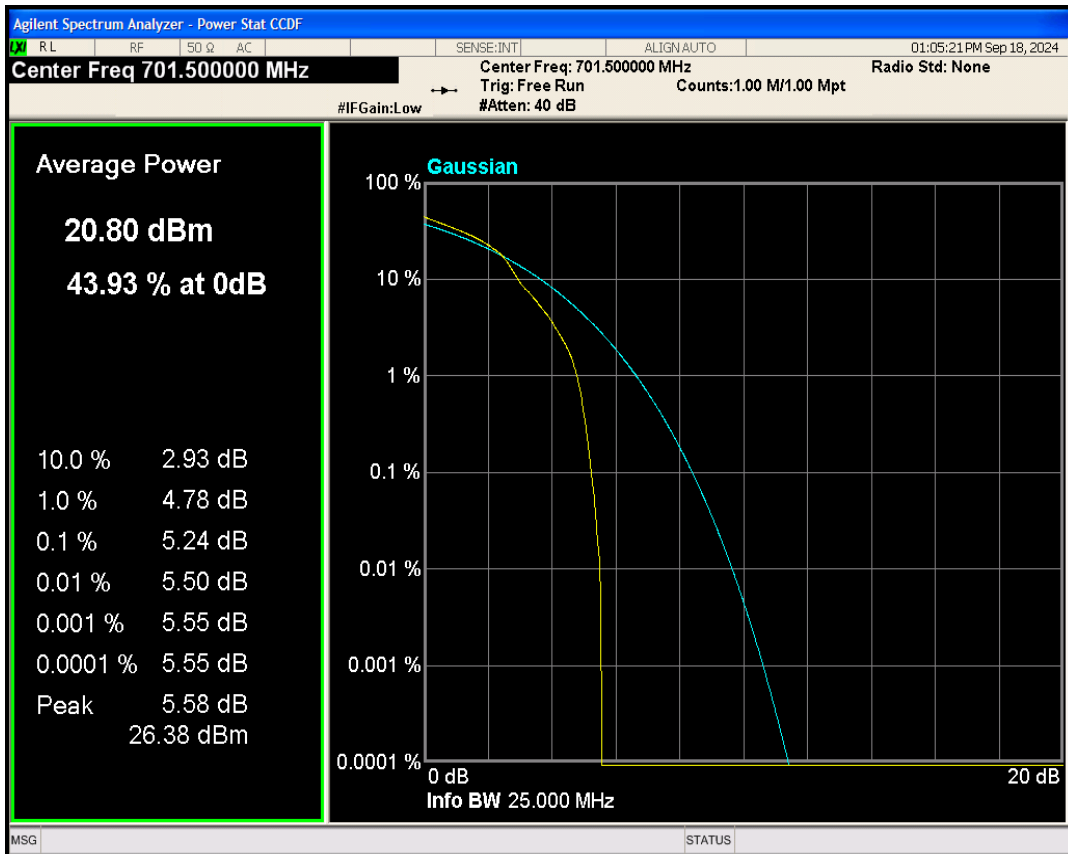
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



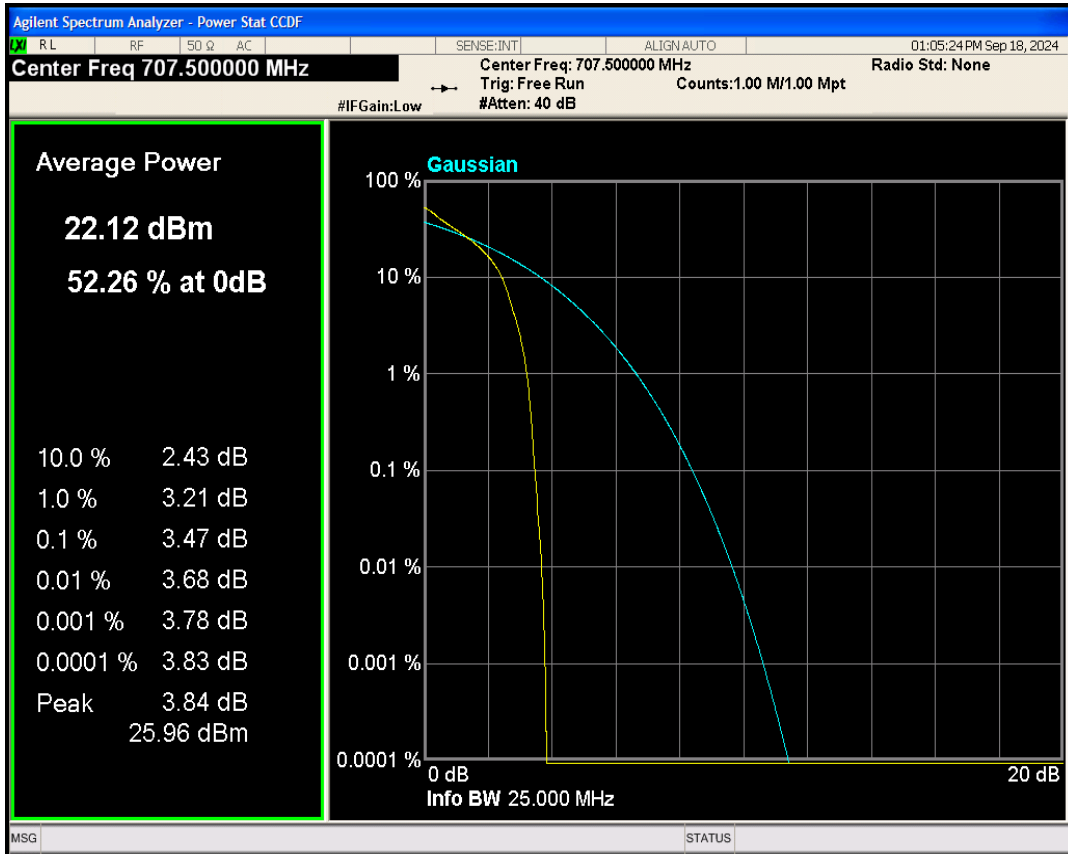
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



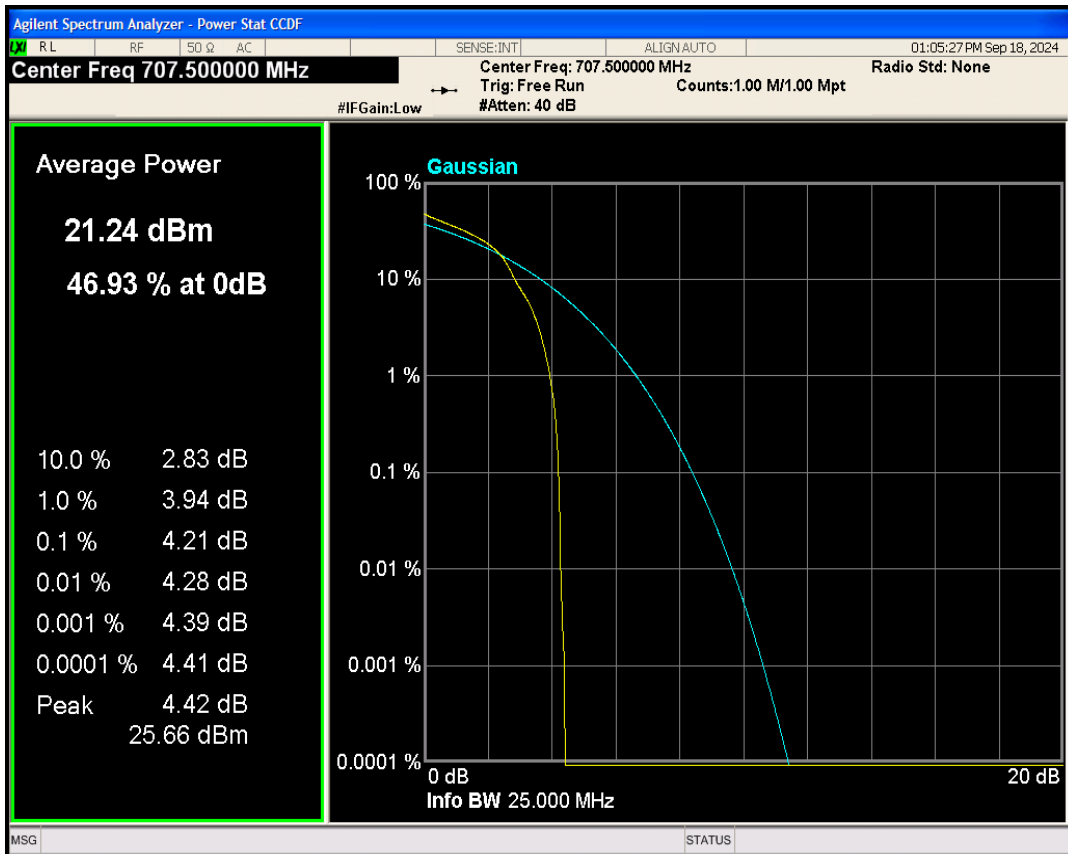
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



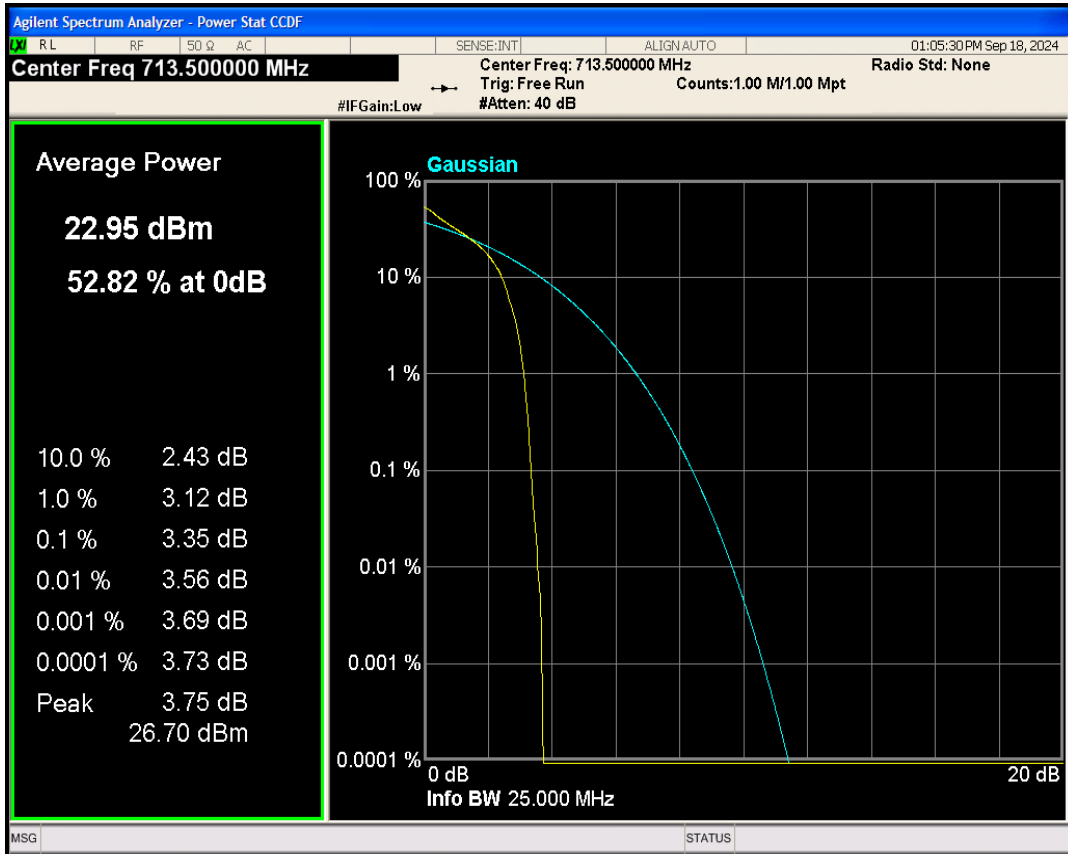
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



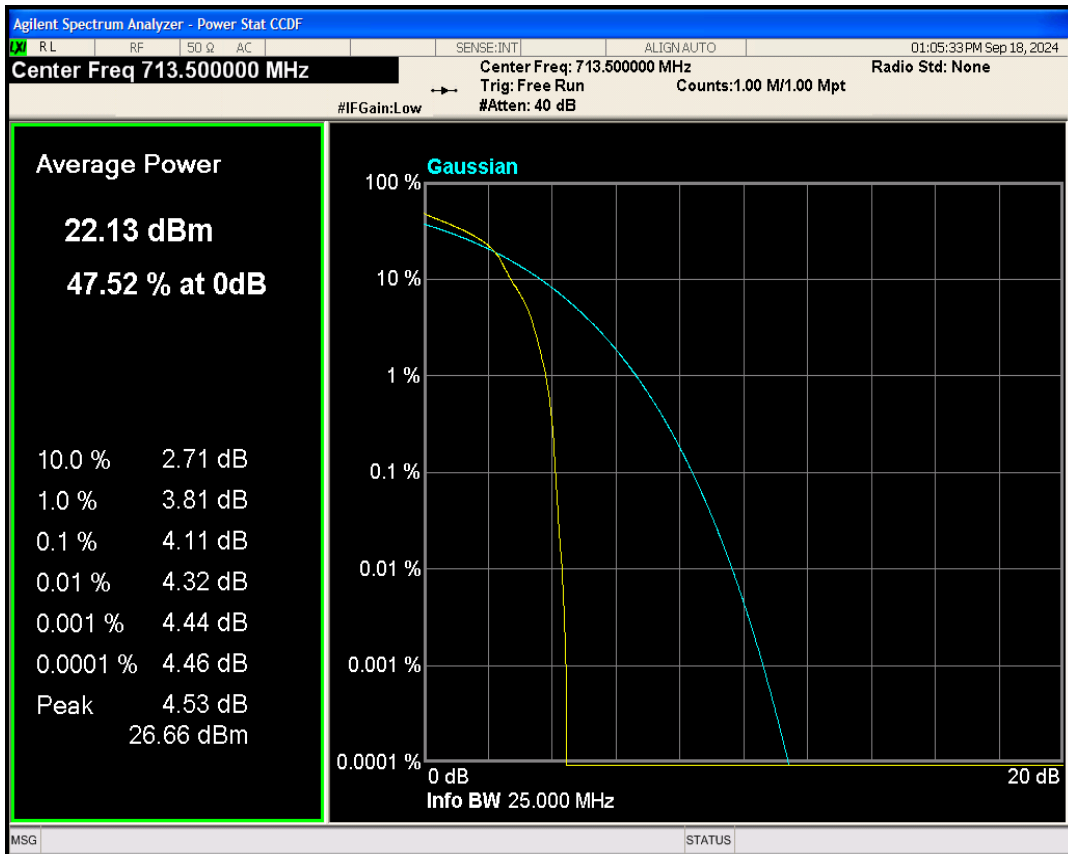
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



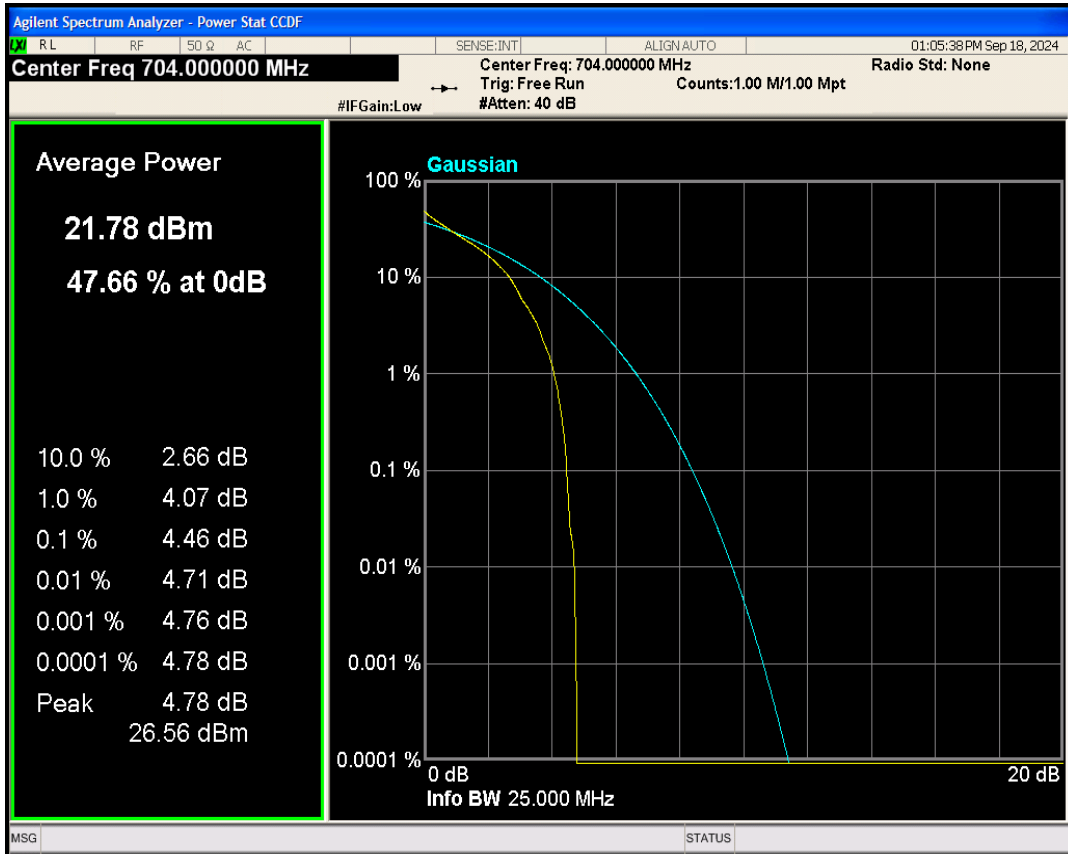
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



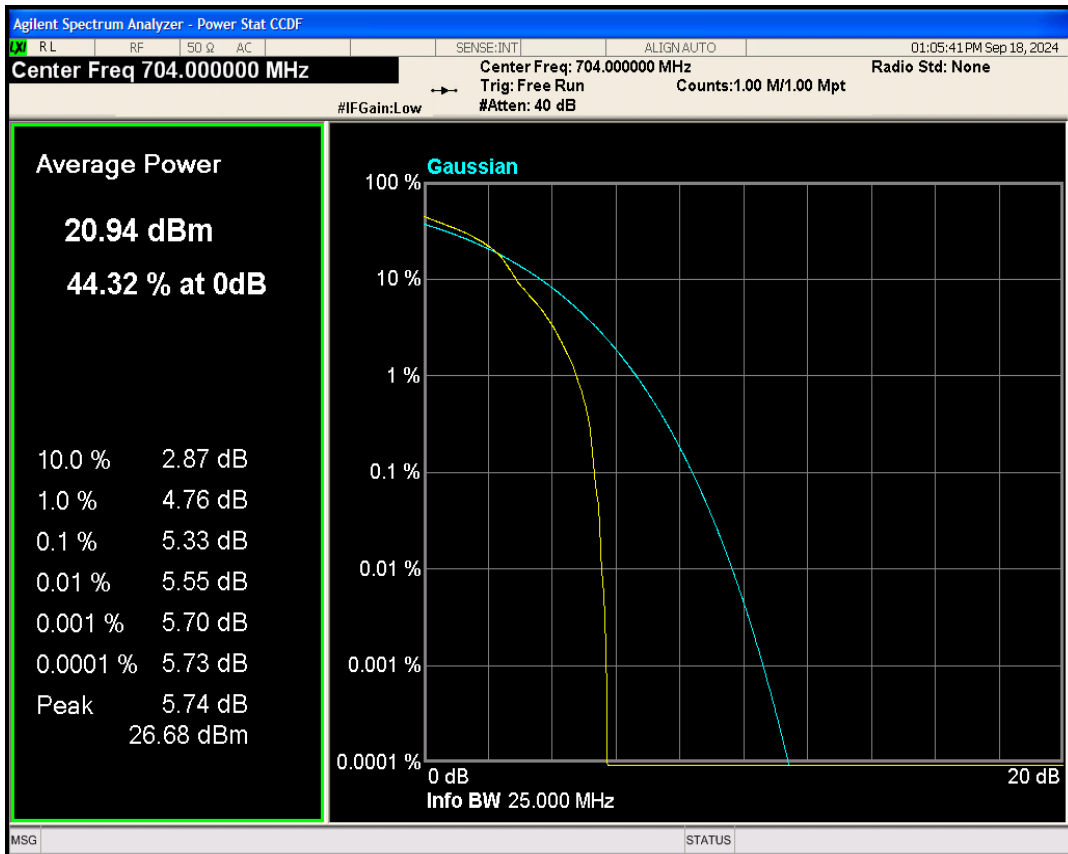
Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



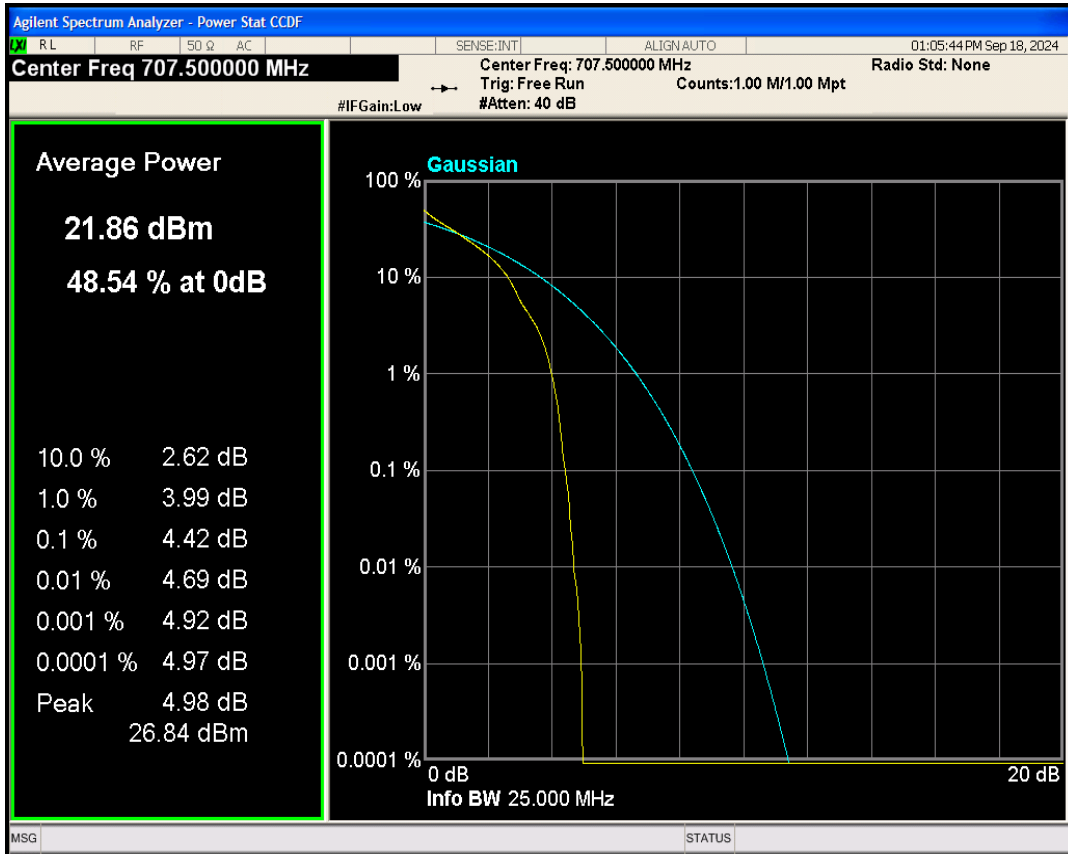
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



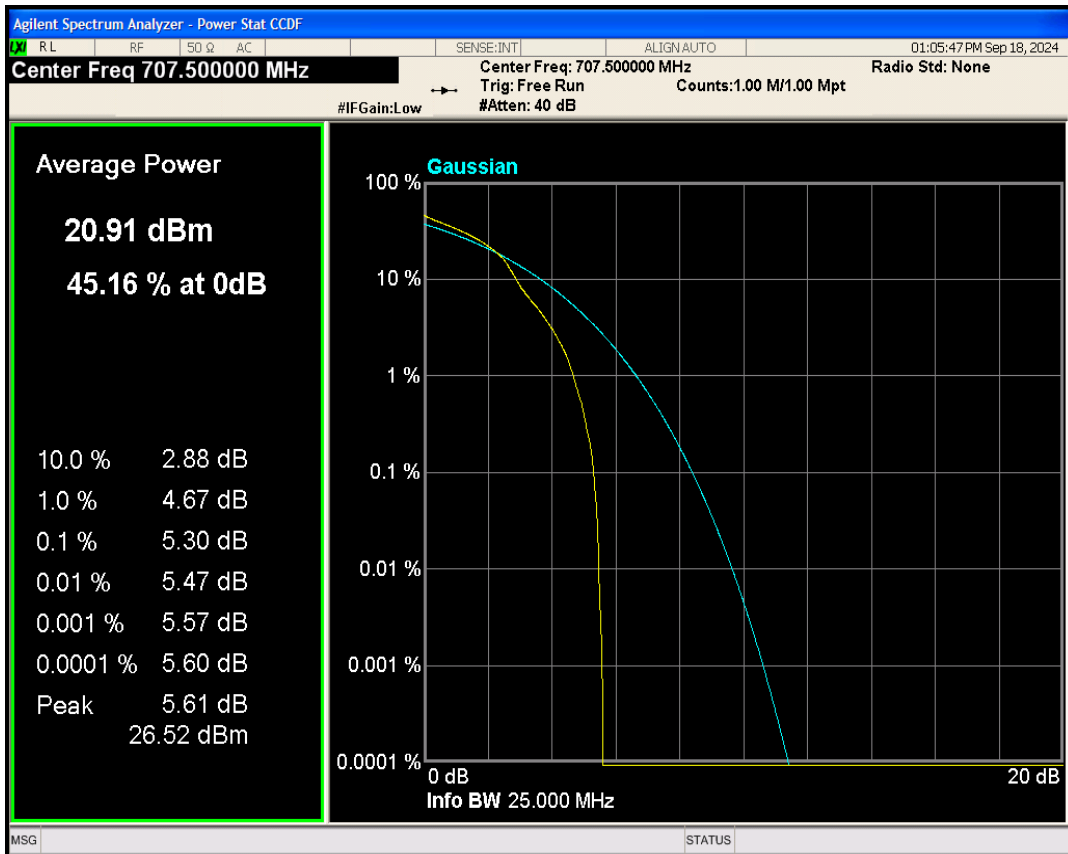
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



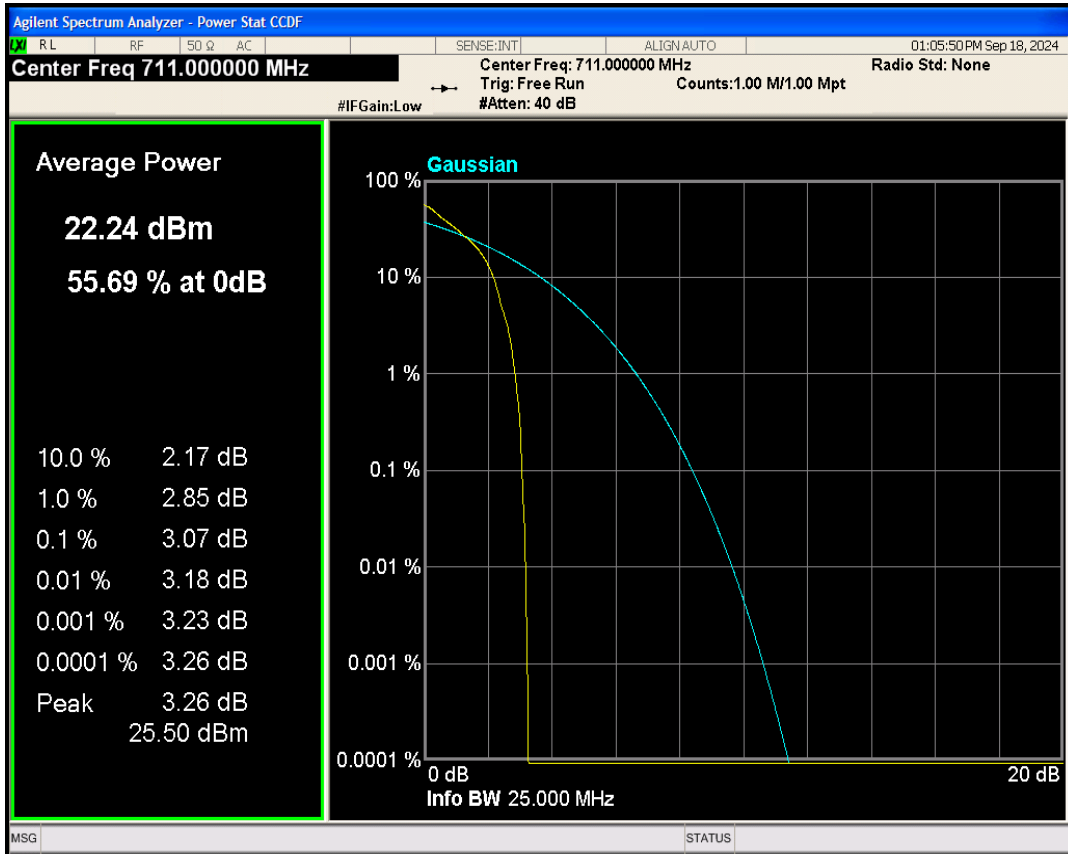
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



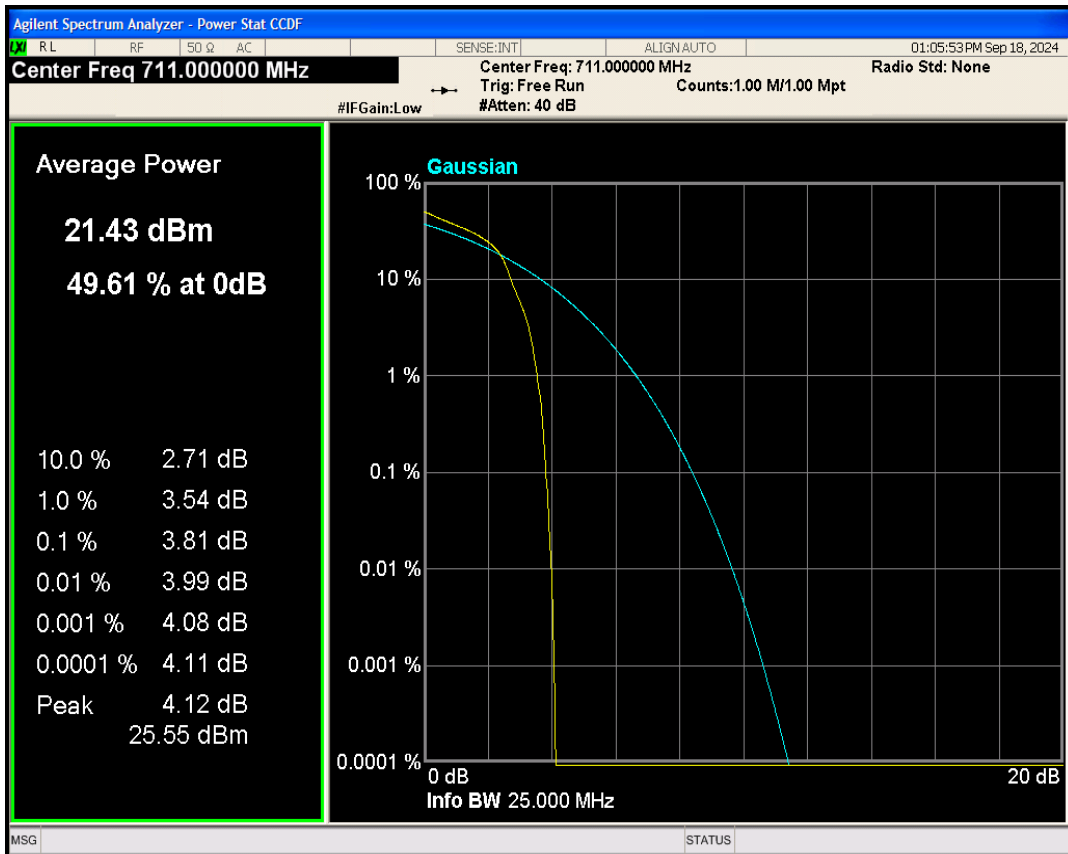
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



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



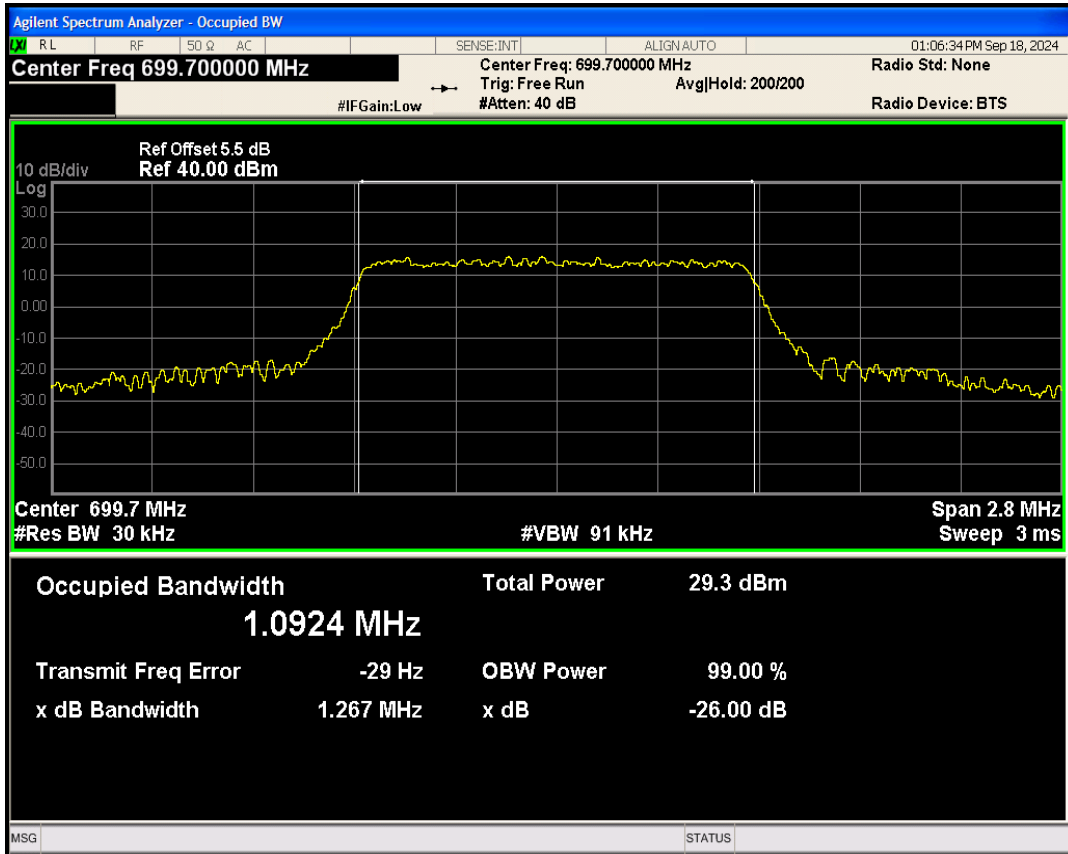
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



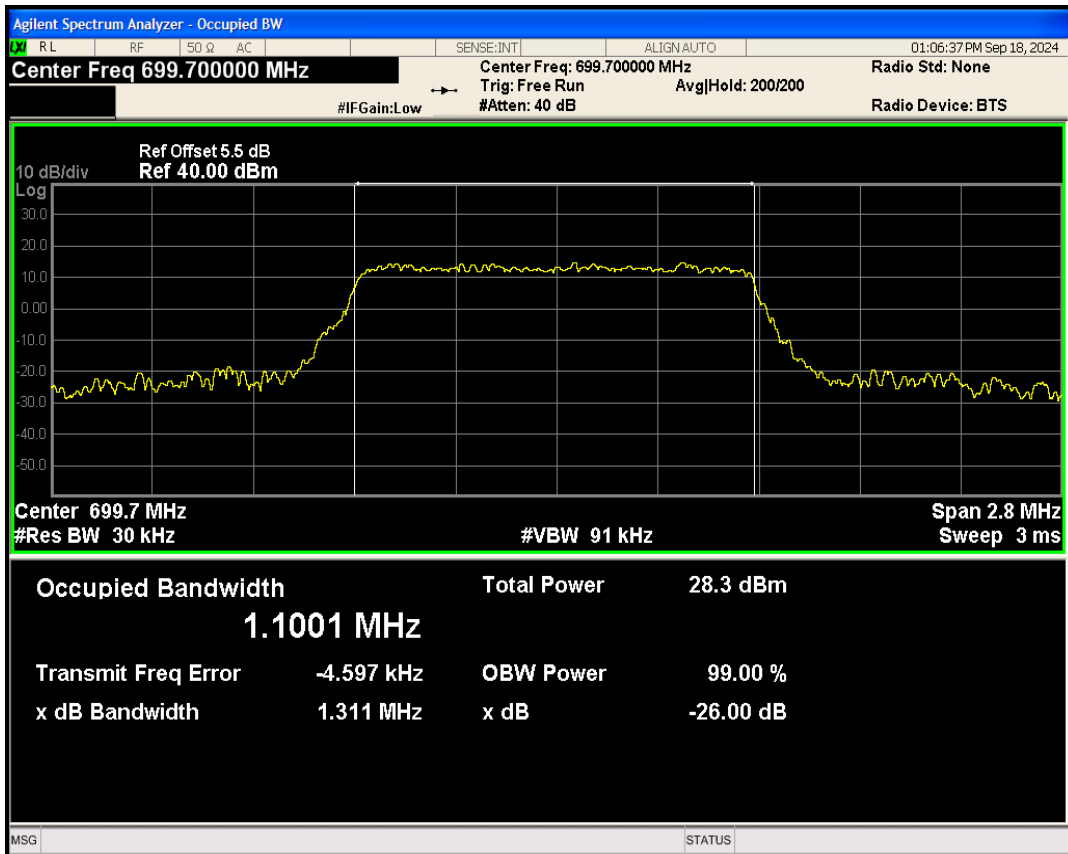
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.092	1.267	PASS
Band12	1.4	23017	6	#0	16QAM	1.100	1.311	PASS
Band12	1.4	23095	6	#0	QPSK	1.100	1.312	PASS
Band12	1.4	23095	6	#0	16QAM	1.100	1.263	PASS
Band12	1.4	23173	6	#0	QPSK	1.138	2.033	PASS
Band12	1.4	23173	6	#0	16QAM	1.119	1.884	PASS
Band12	3	23025	15	#0	QPSK	2.692	2.921	PASS
Band12	3	23025	15	#0	16QAM	2.690	2.944	PASS
Band12	3	23095	15	#0	QPSK	2.697	2.930	PASS
Band12	3	23095	15	#0	16QAM	2.692	2.915	PASS
Band12	3	23165	15	#0	QPSK	2.724	4.121	PASS
Band12	3	23165	15	#0	16QAM	2.703	3.878	PASS
Band12	5	23035	25	#0	QPSK	4.523	4.839	PASS
Band12	5	23035	25	#0	16QAM	4.503	4.911	PASS
Band12	5	23095	25	#0	QPSK	4.502	4.899	PASS
Band12	5	23095	25	#0	16QAM	4.500	4.941	PASS
Band12	5	23155	25	#0	QPSK	4.529	5.427	PASS
Band12	5	23155	25	#0	16QAM	4.568	6.155	PASS
Band12	10	23060	50	#0	QPSK	9.019	9.783	PASS
Band12	10	23060	50	#0	16QAM	9.026	9.714	PASS
Band12	10	23095	50	#0	QPSK	8.942	9.679	PASS
Band12	10	23095	50	#0	16QAM	8.977	9.641	PASS
Band12	10	23130	50	#0	QPSK	9.013	9.775	PASS
Band12	10	23130	50	#0	16QAM	9.019	9.699	PASS

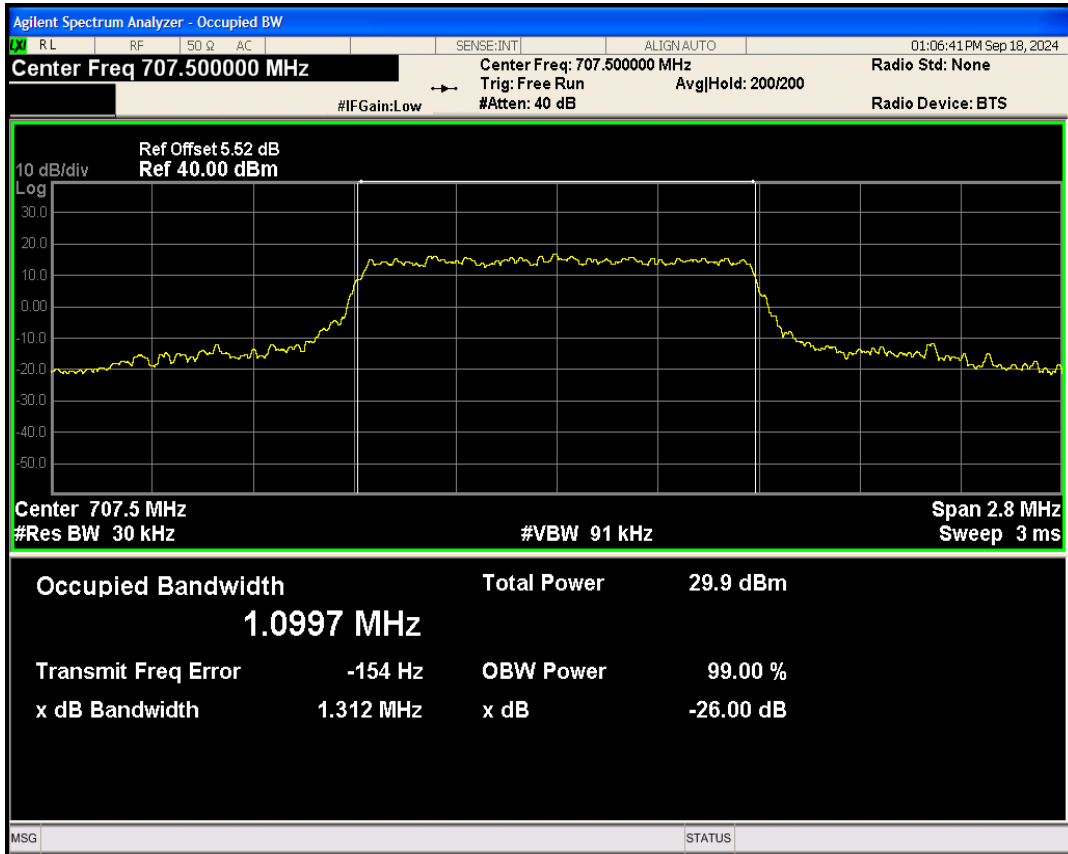
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



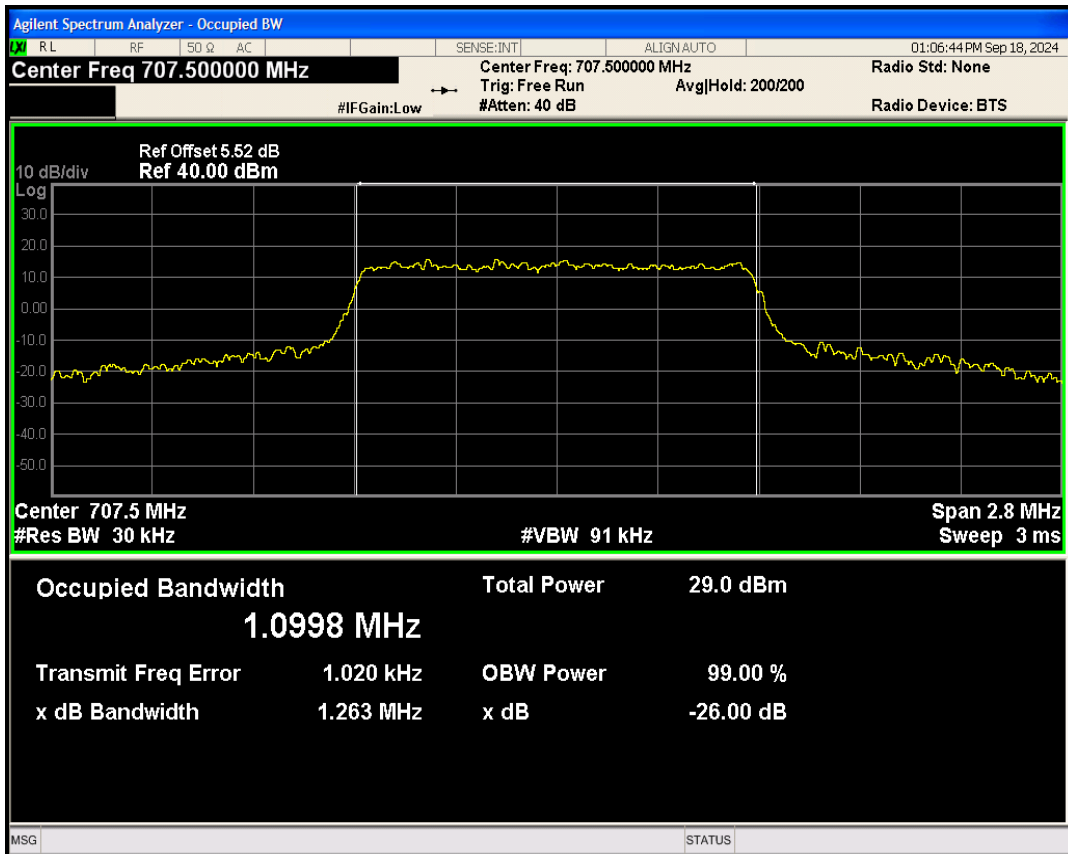
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



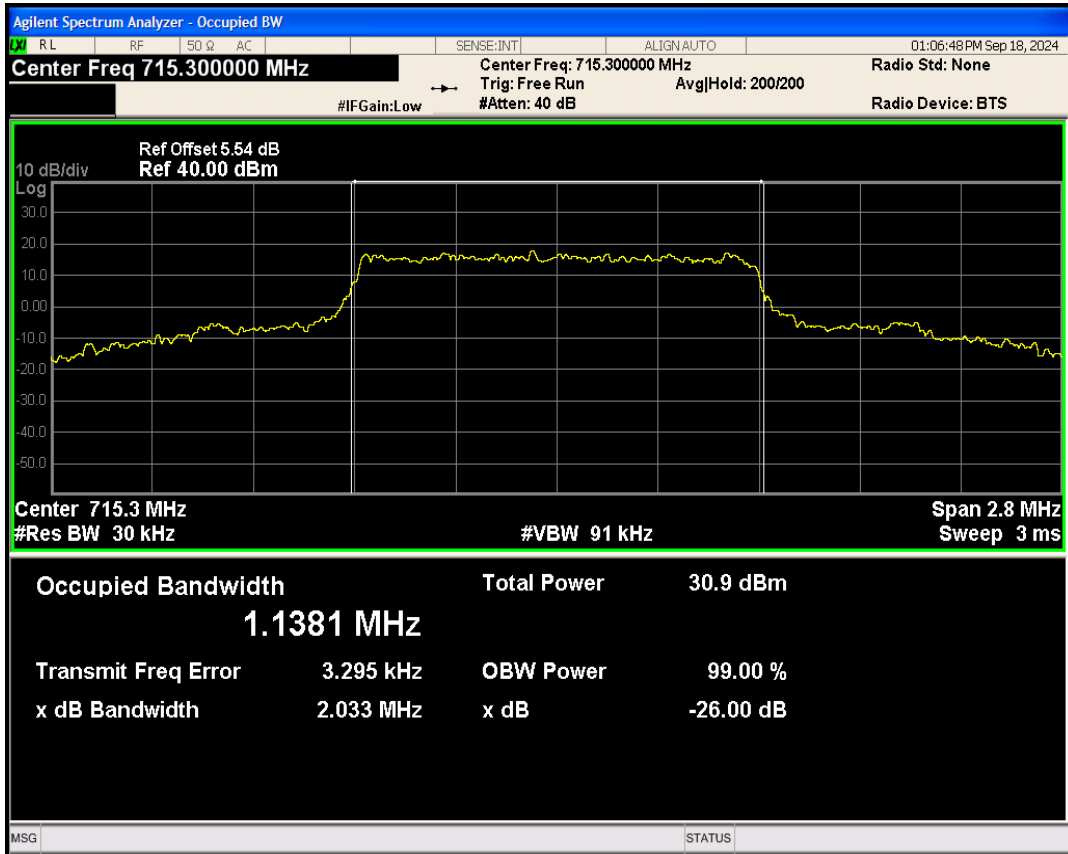
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



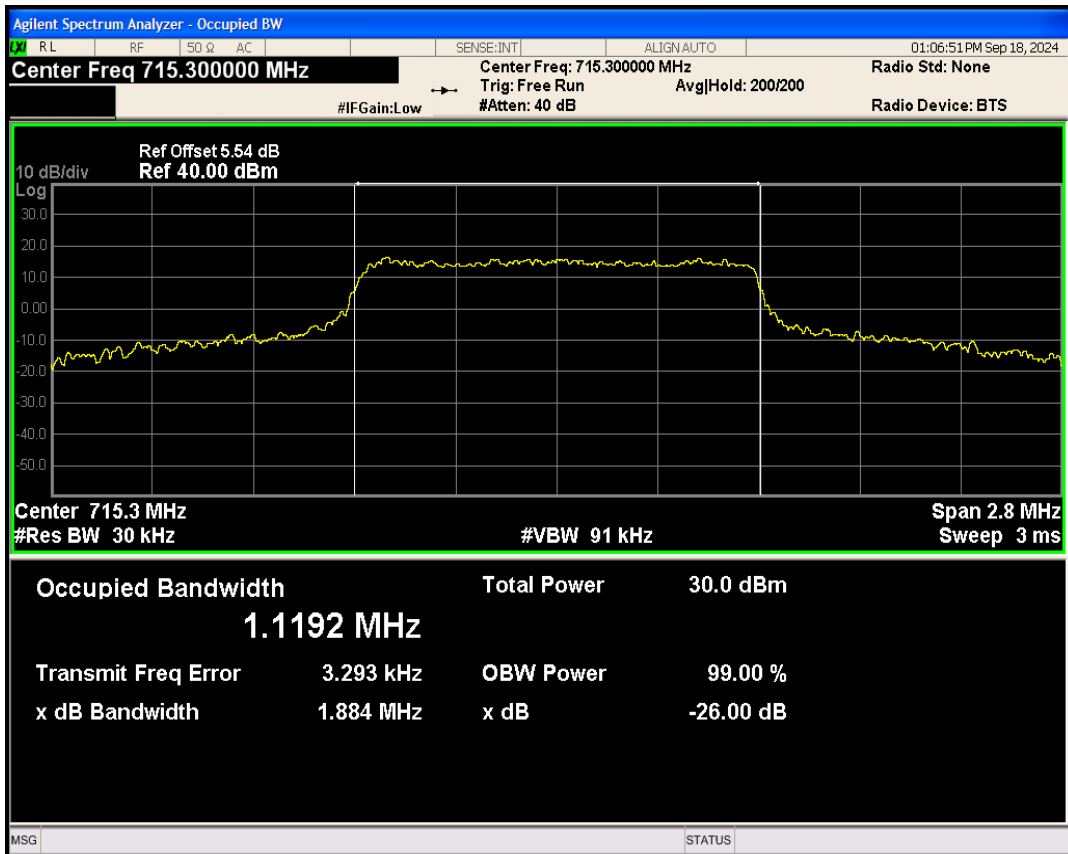
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



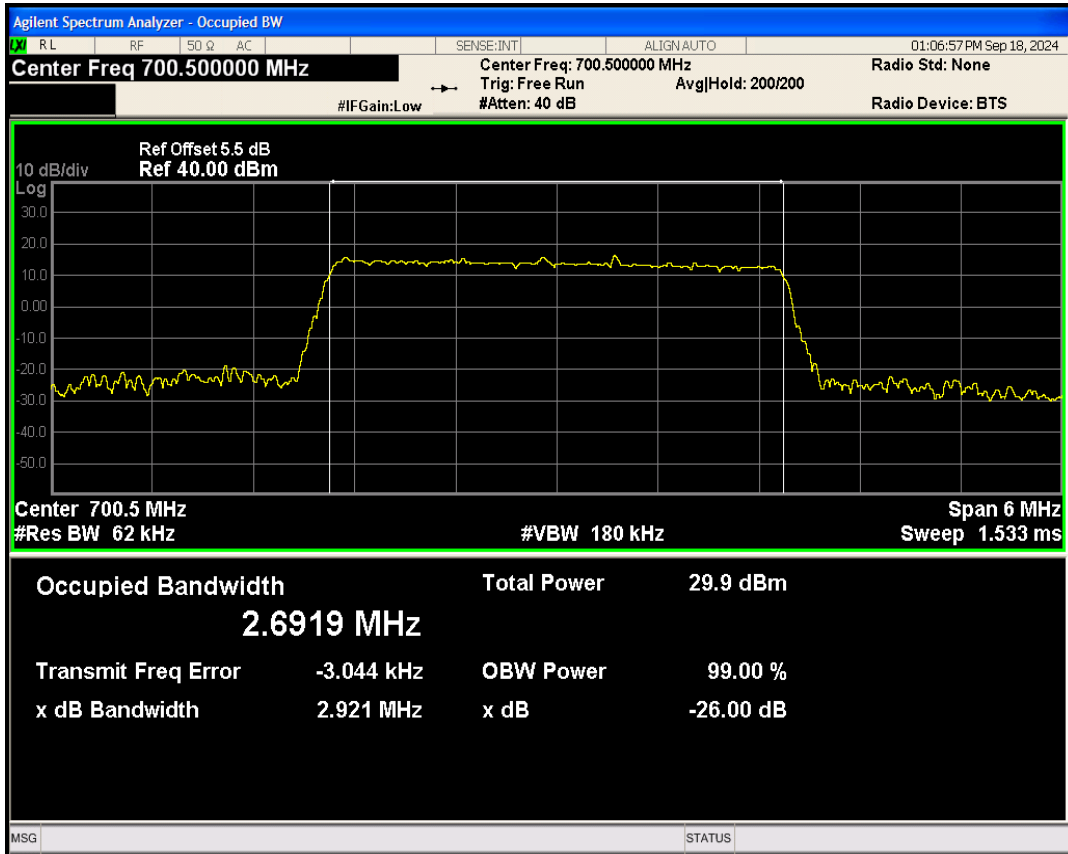
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



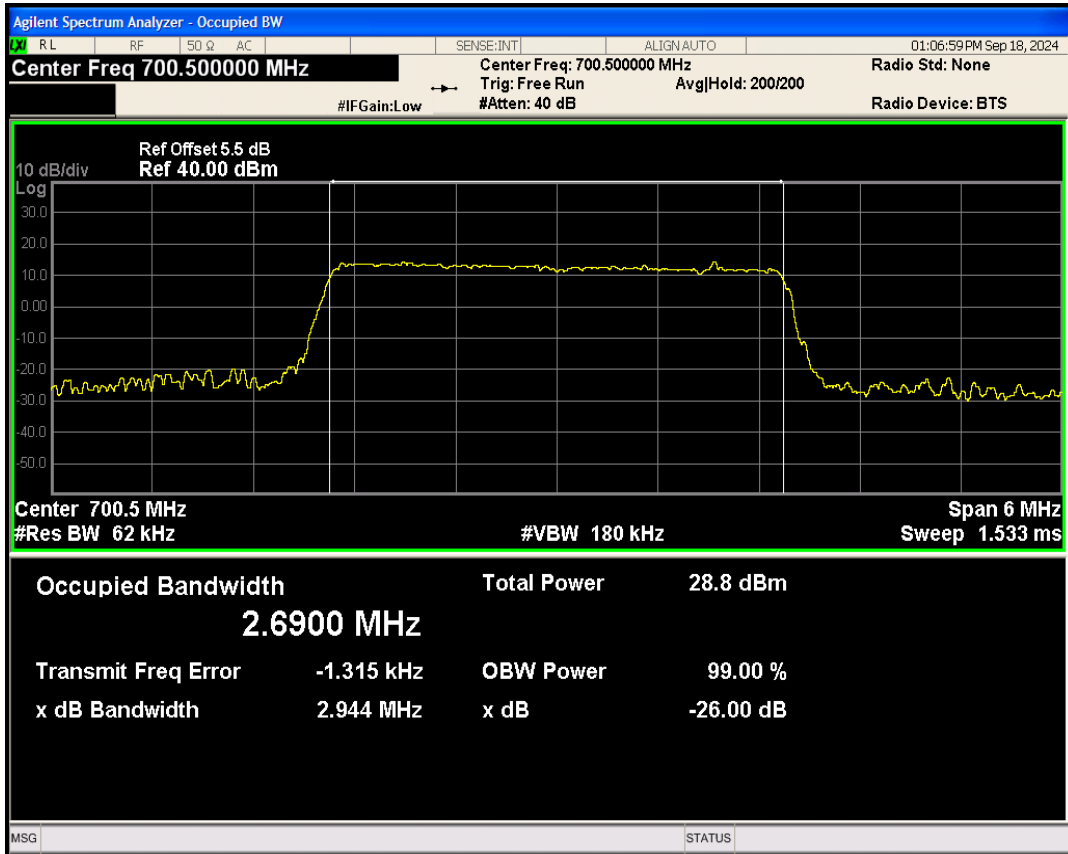
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



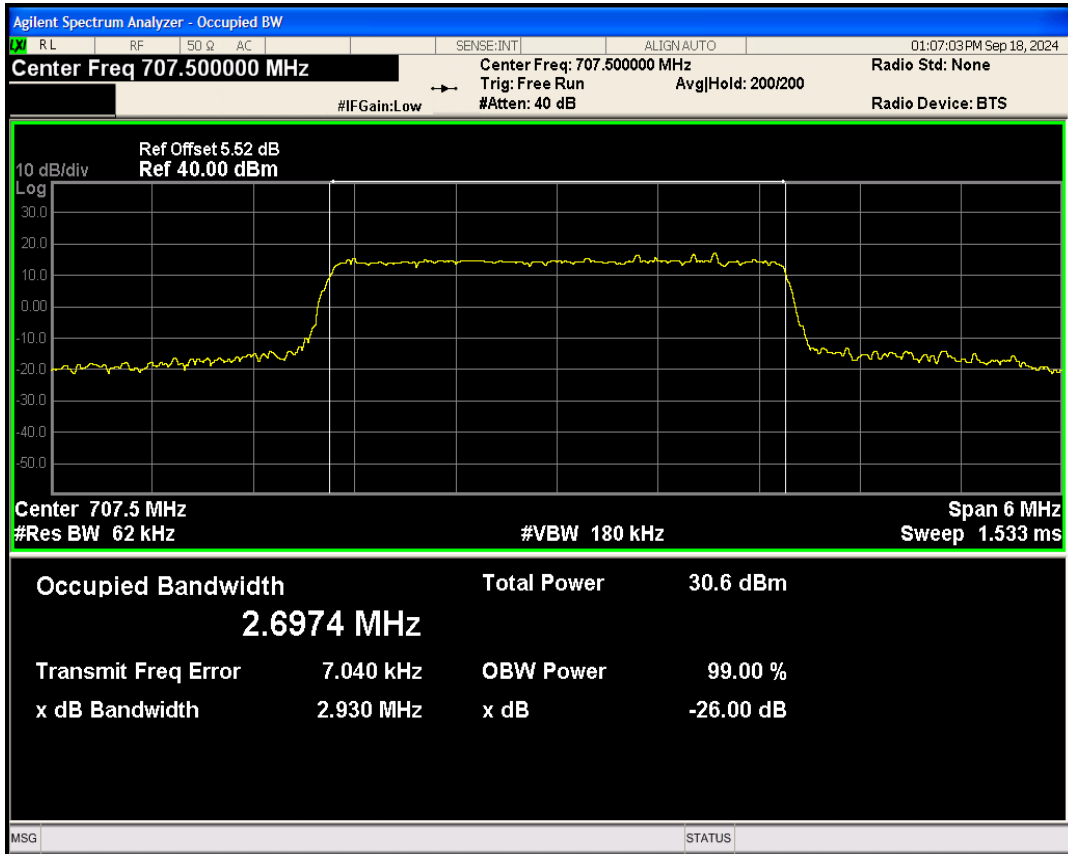
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



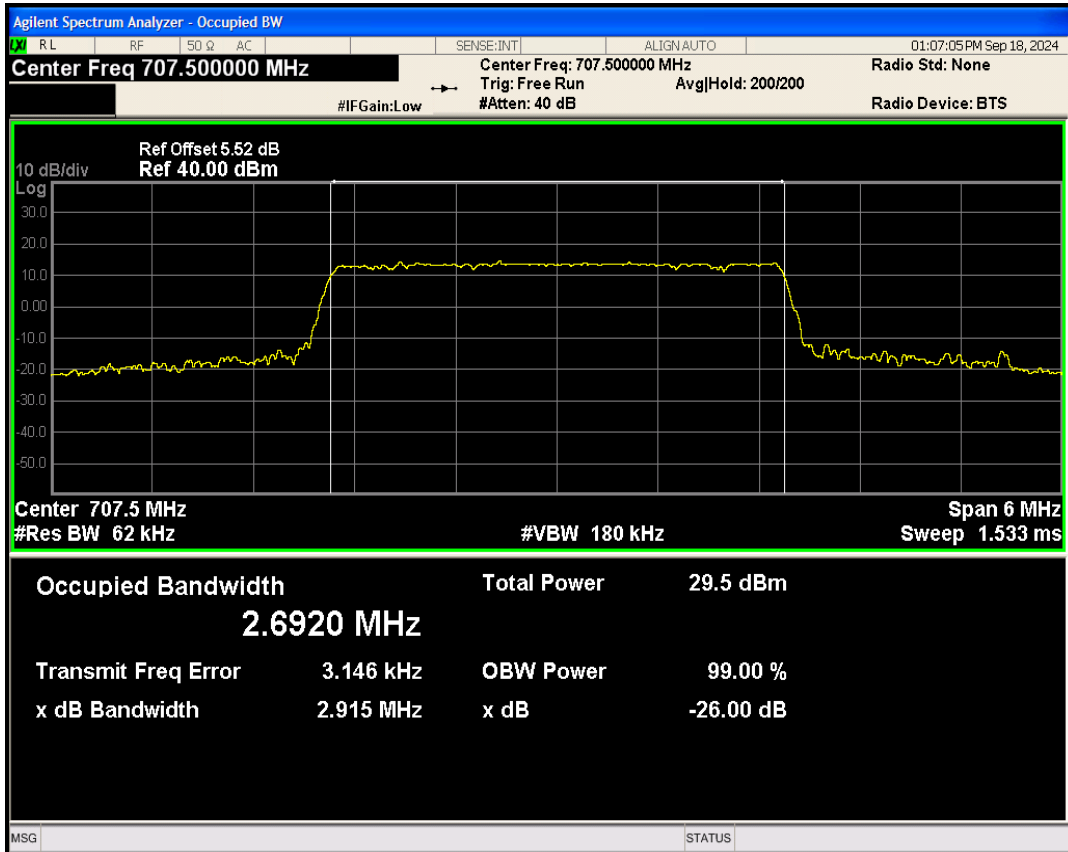
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



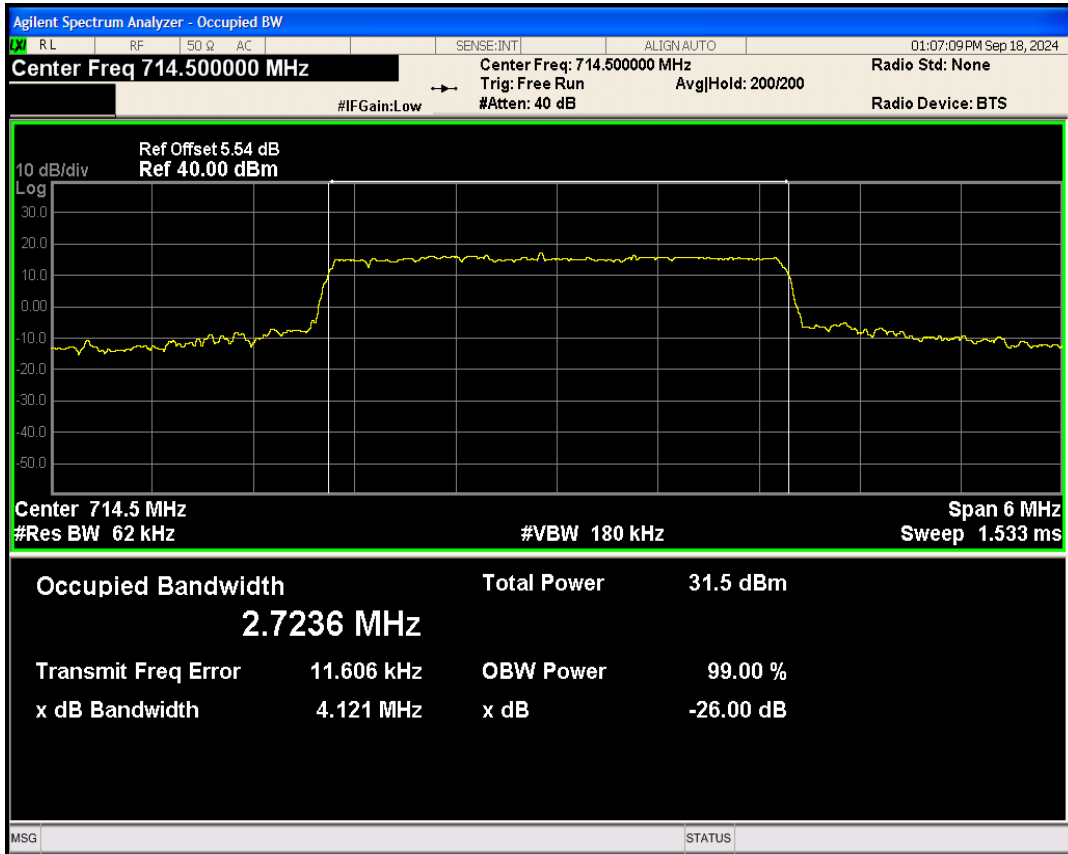
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



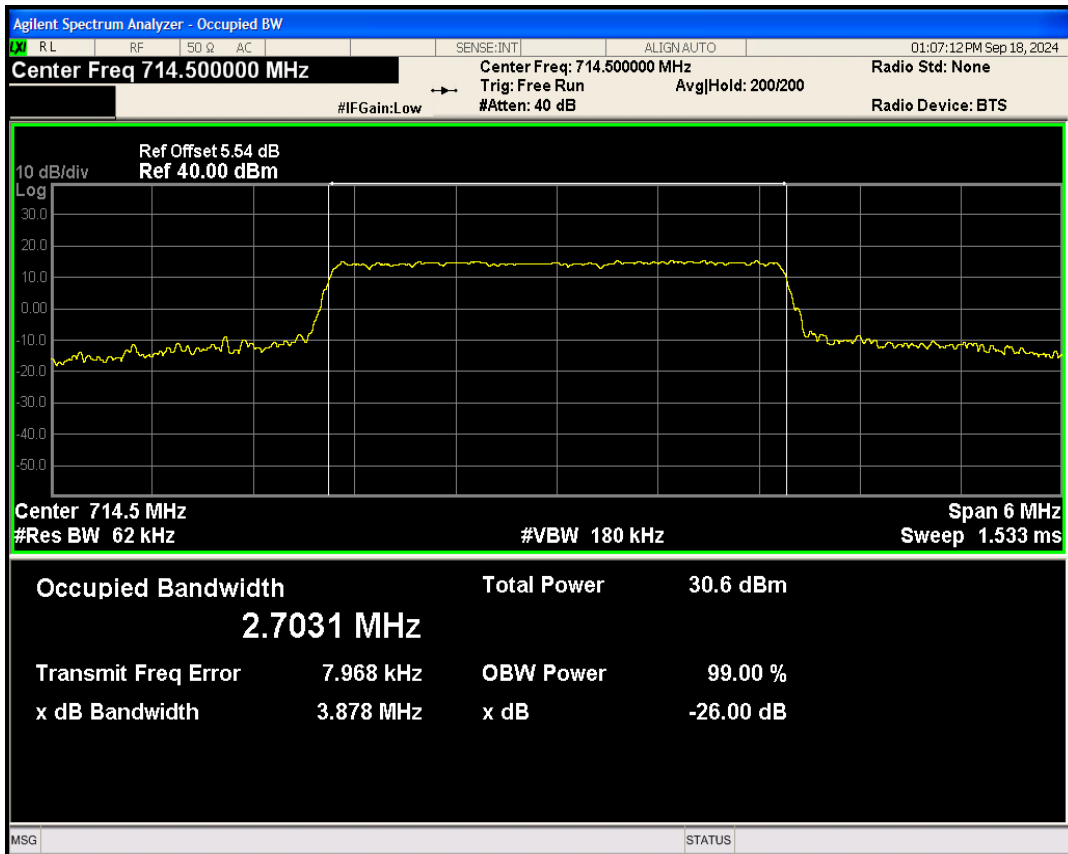
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



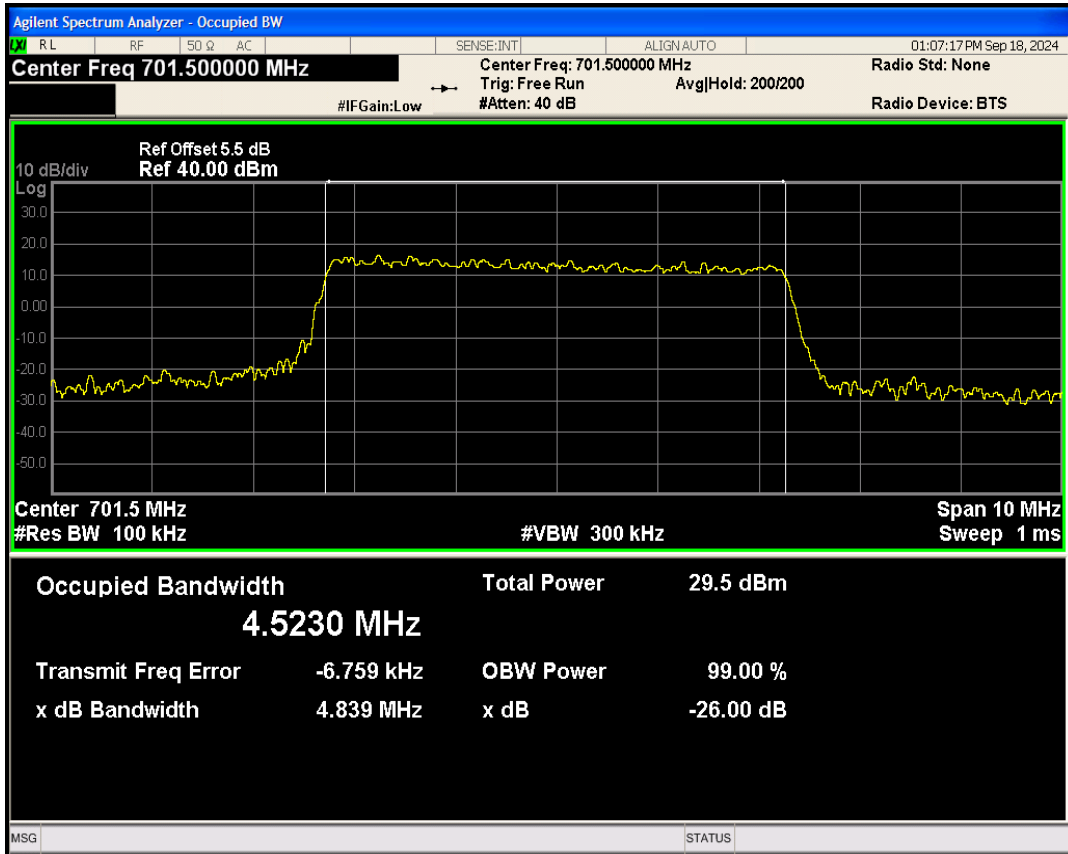
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



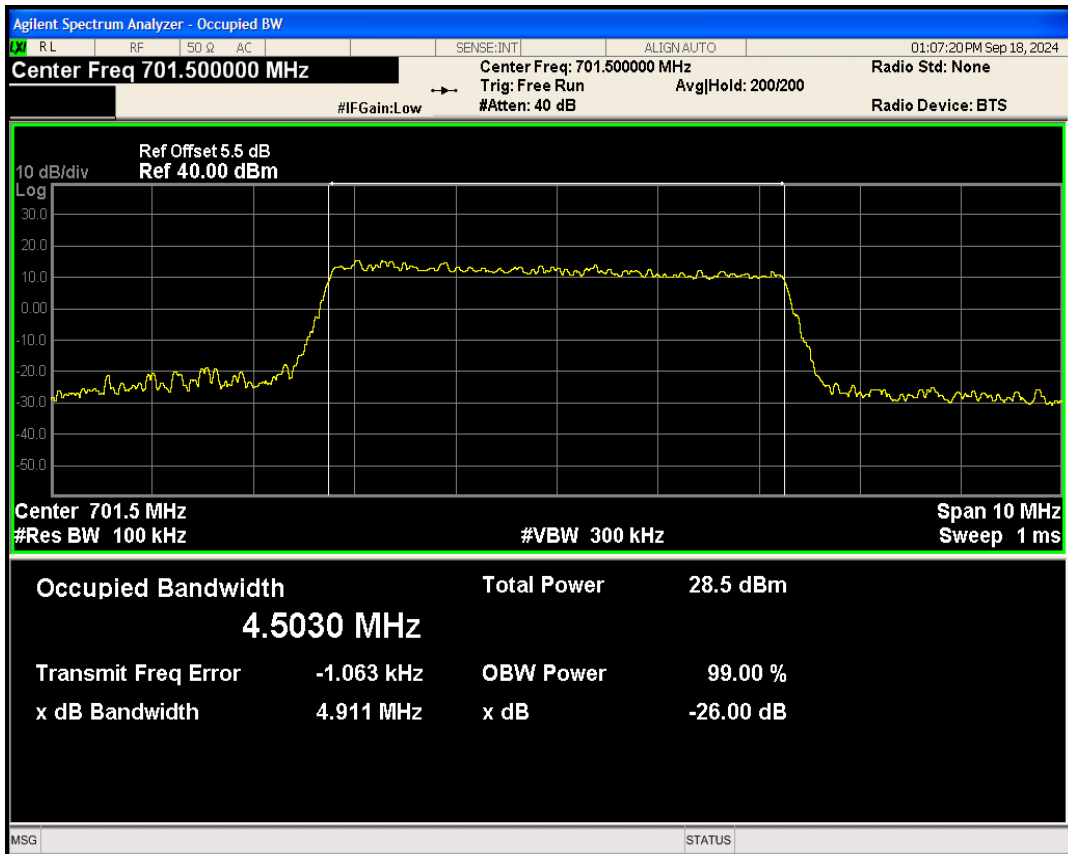
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



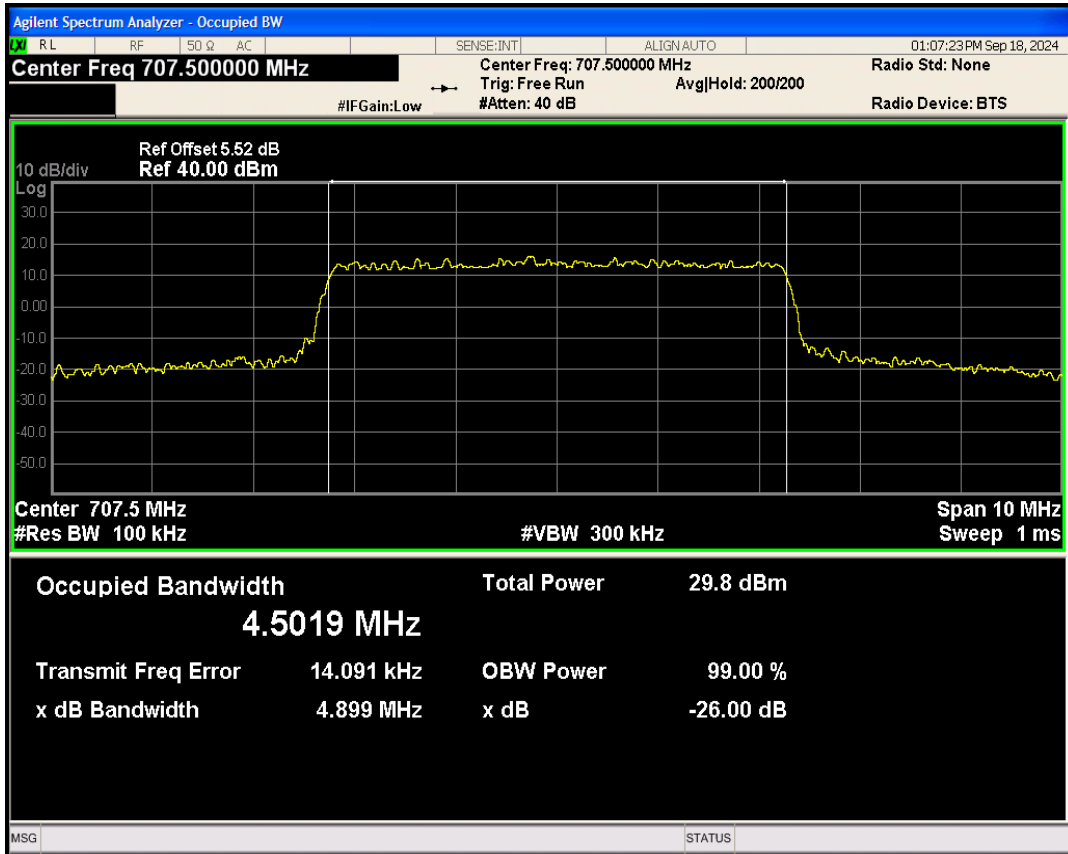
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



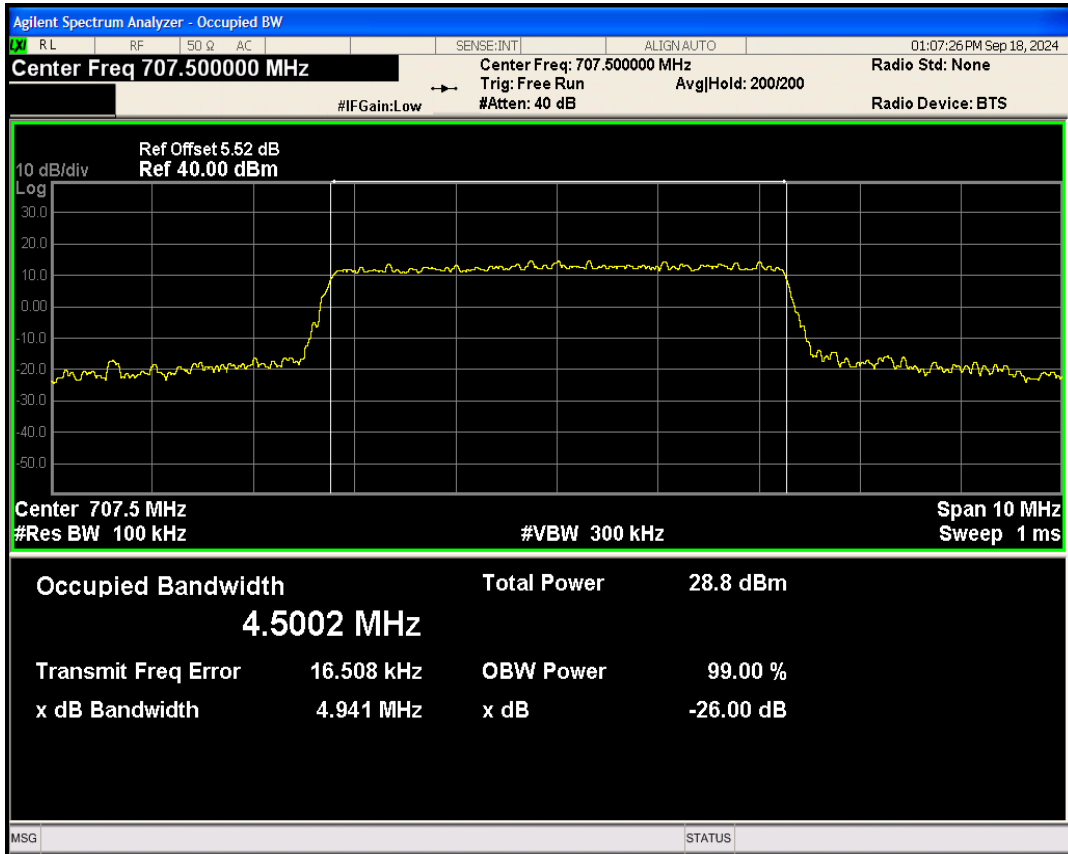
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



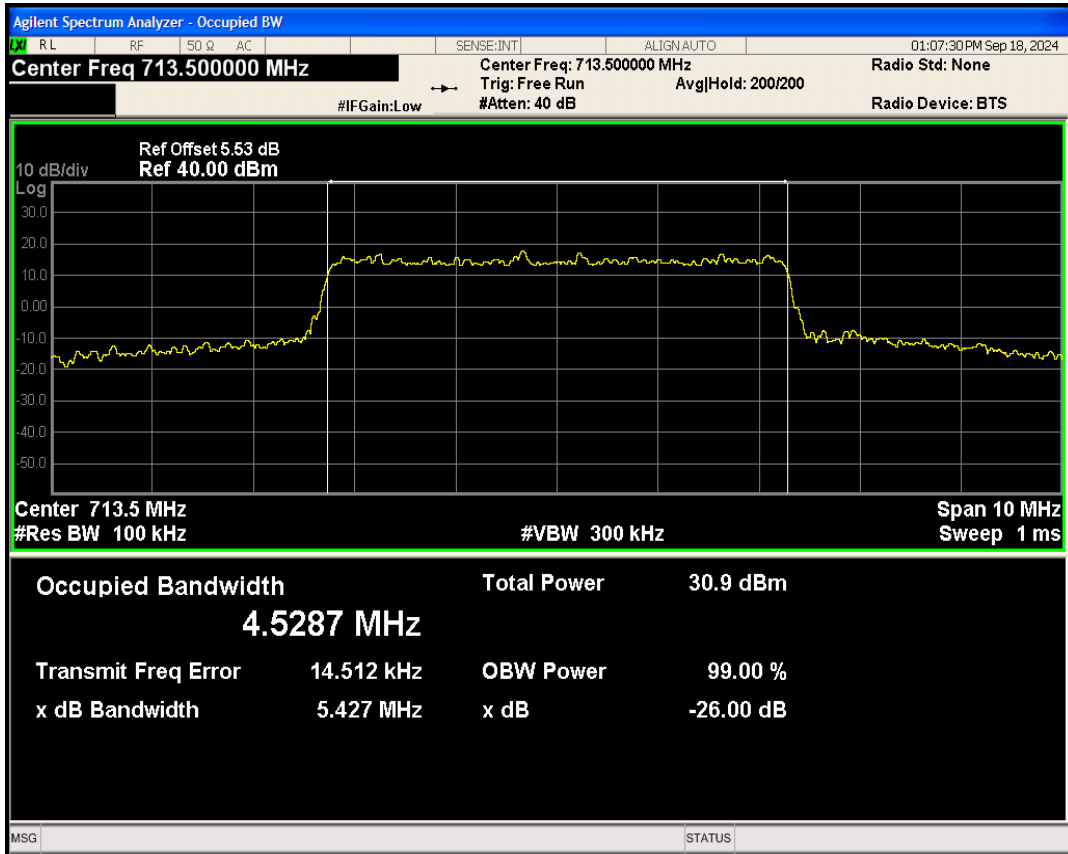
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



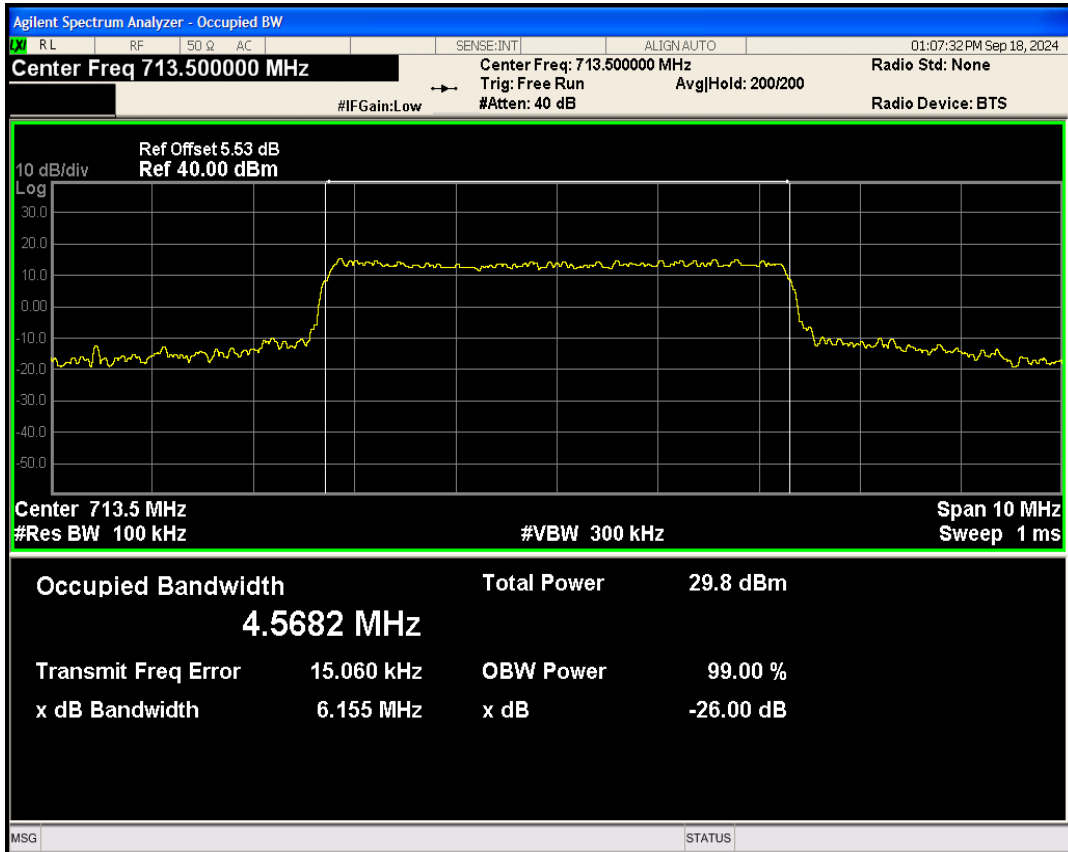
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



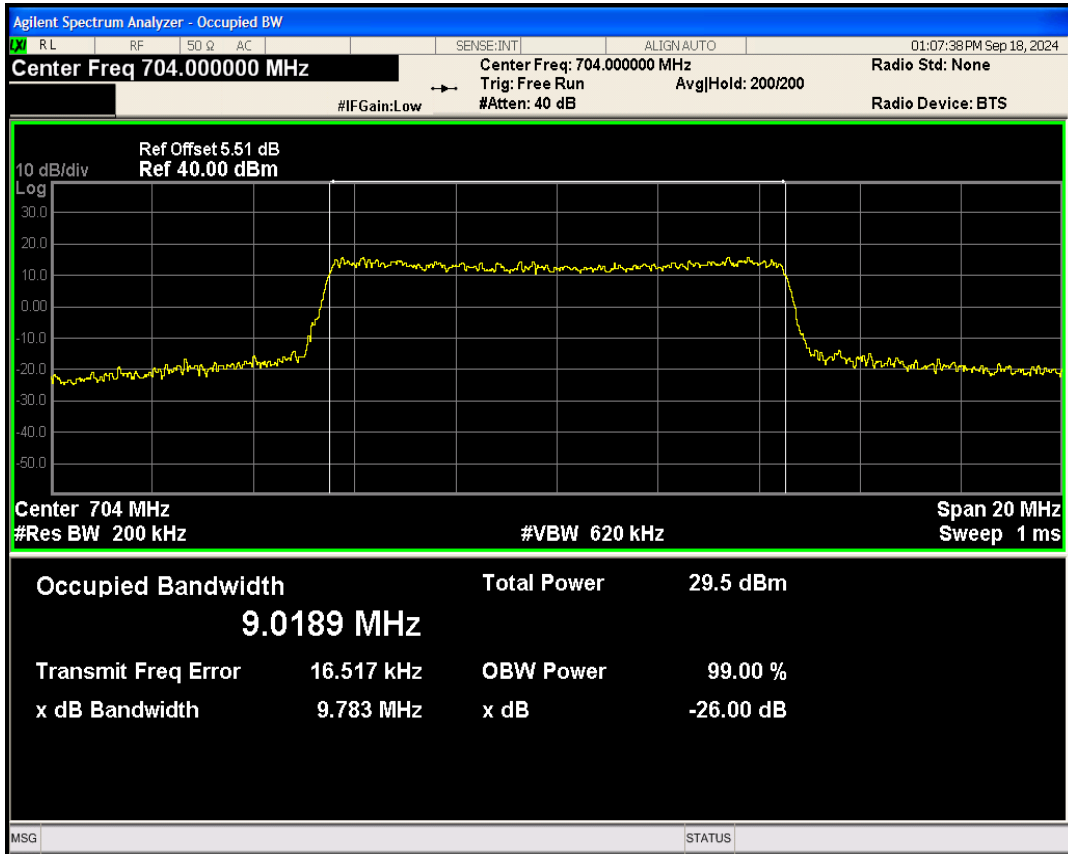
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



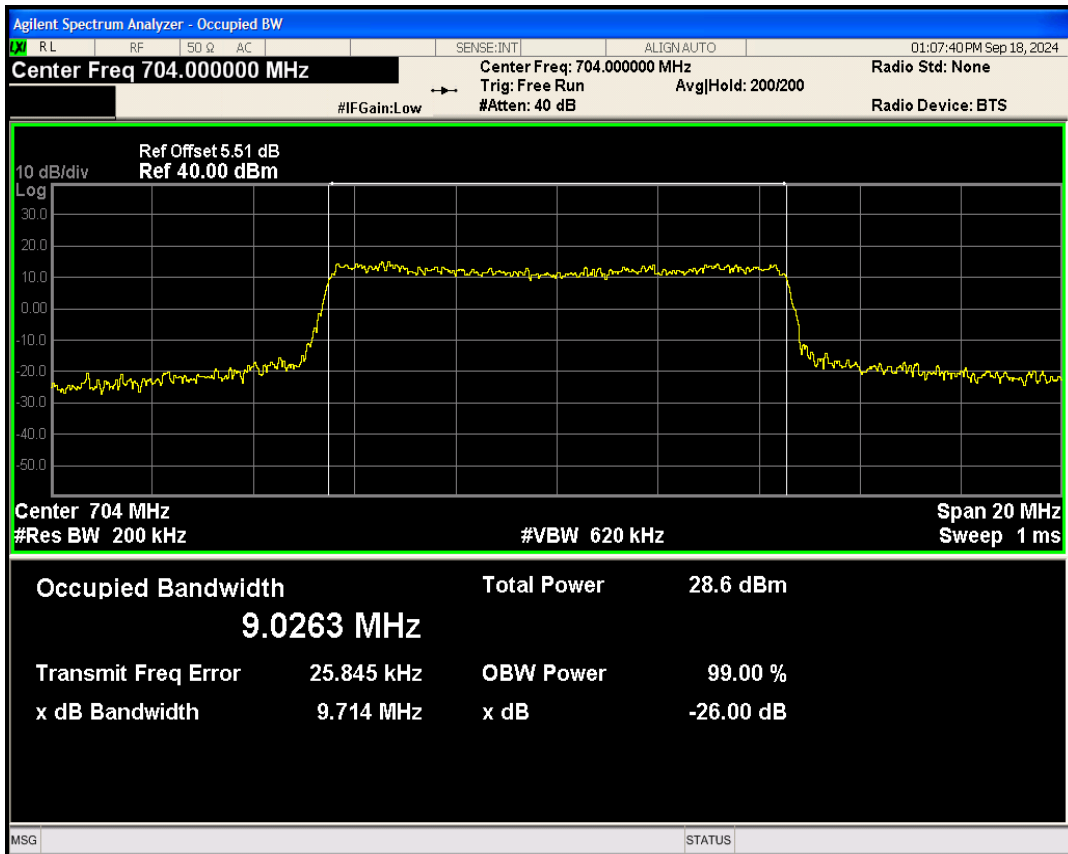
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



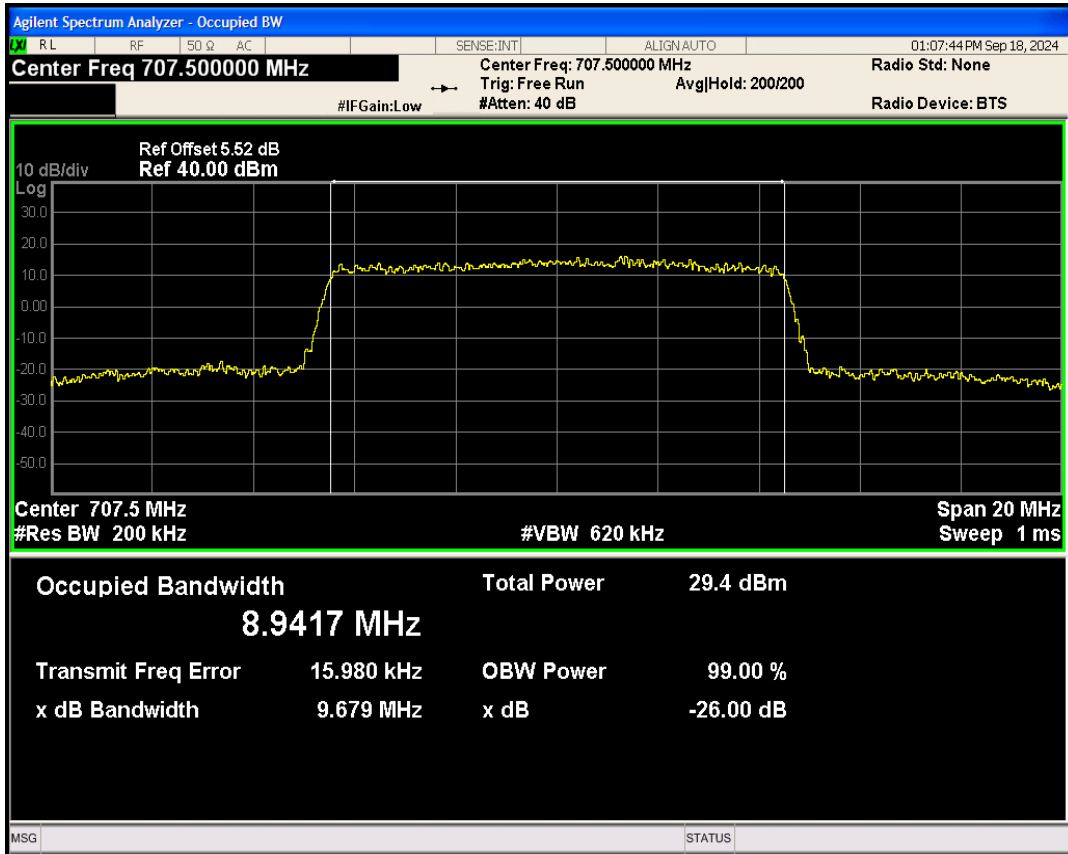
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



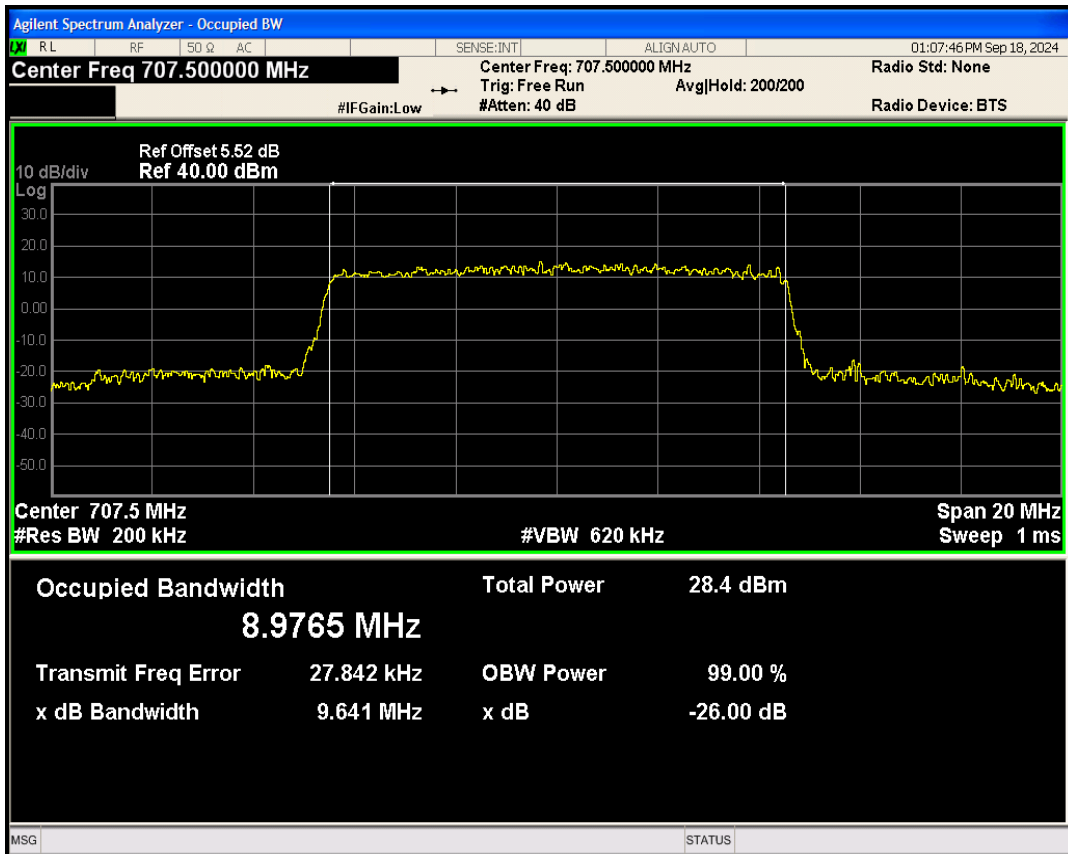
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



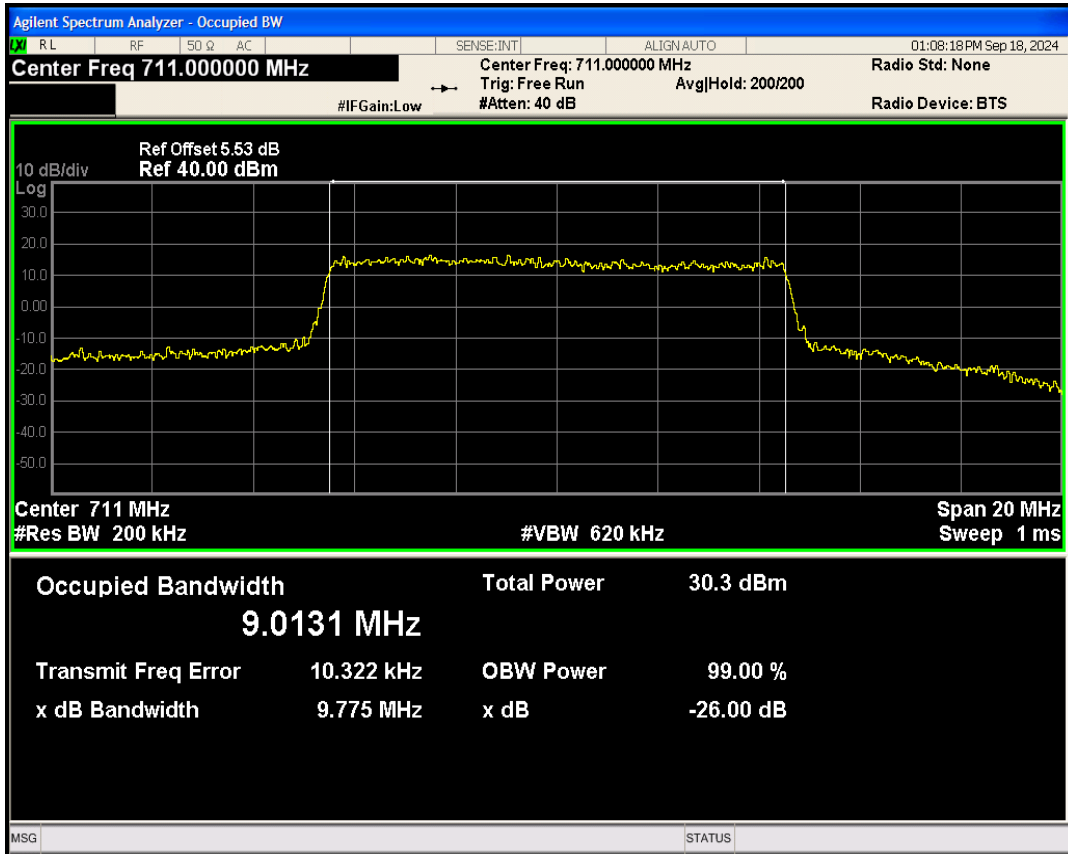
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



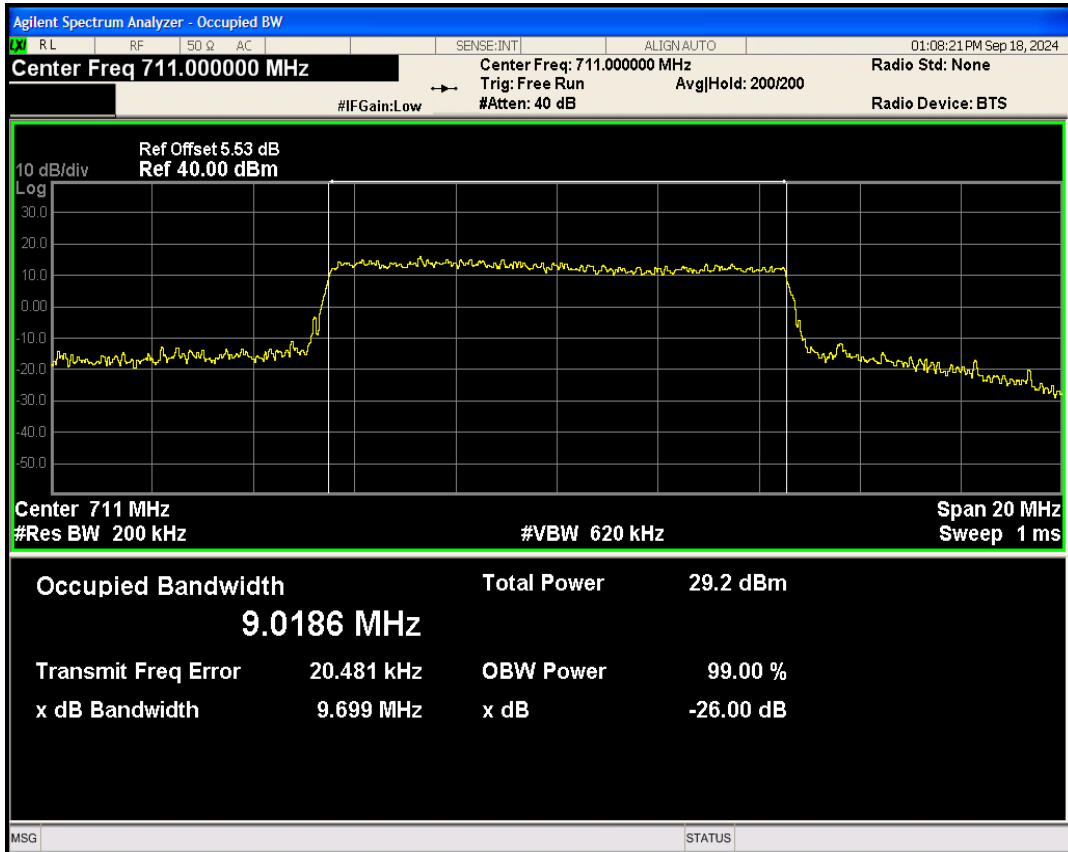
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



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



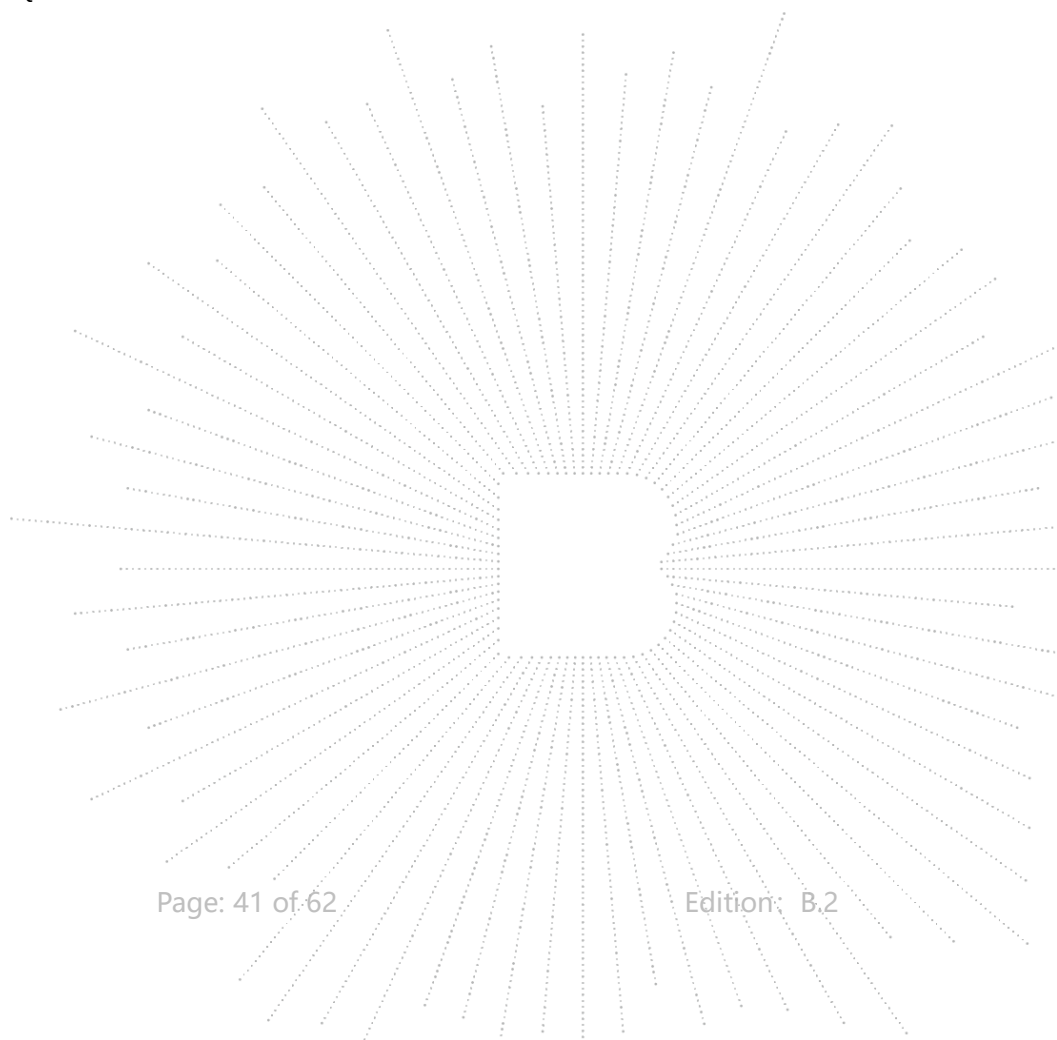
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

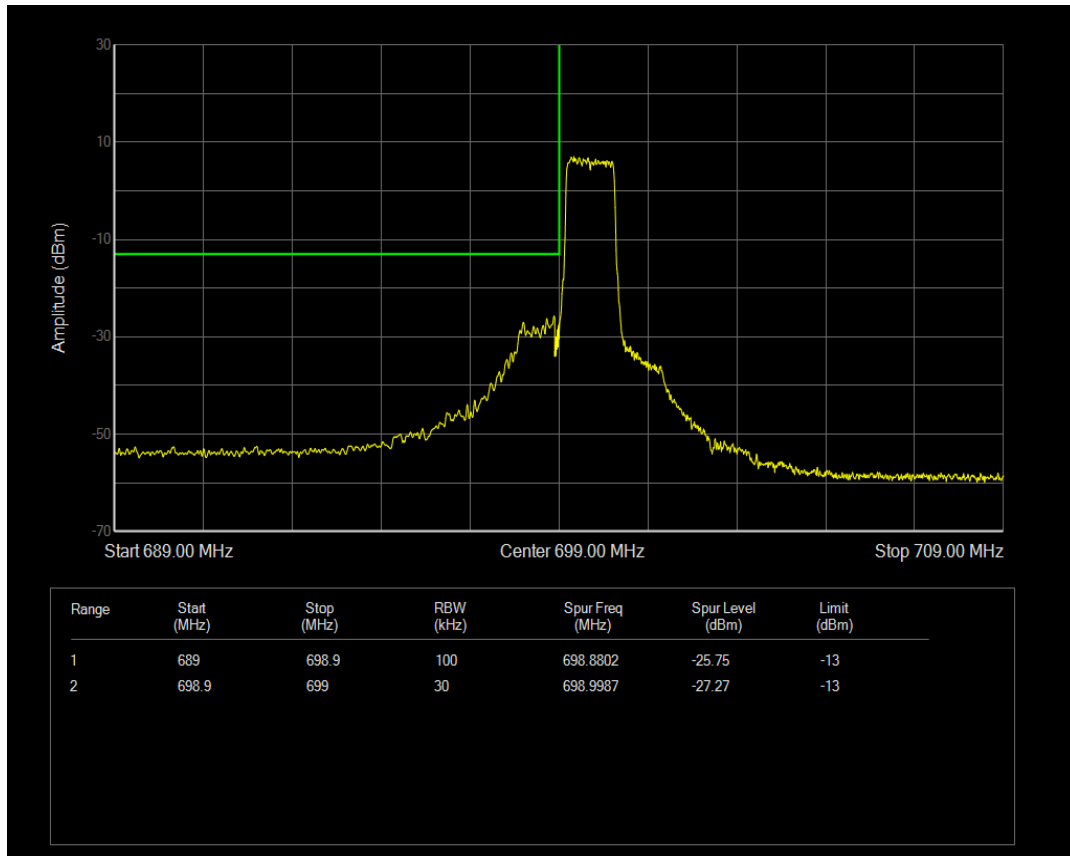


Appendix 5. Band edge

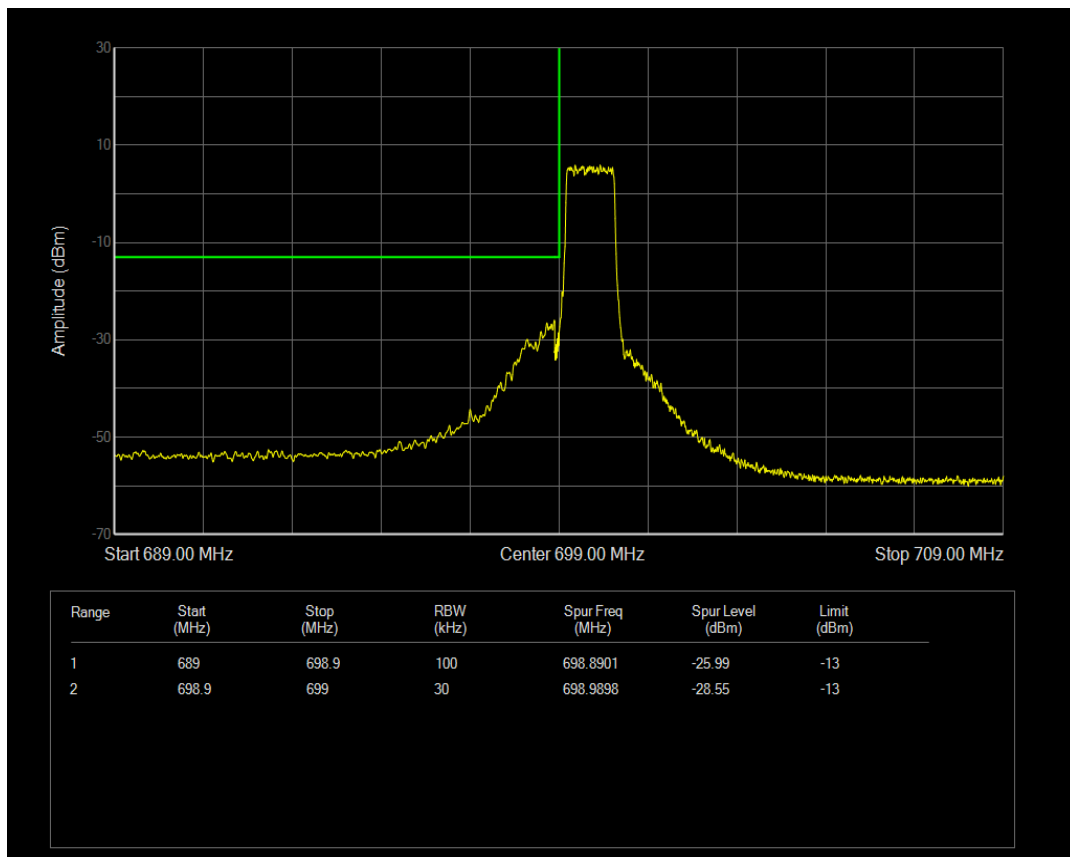
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	698.88	-25.75	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.89	-25.99	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.11	-26.79	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.11	-28.08	-13	PASS
Band12	3	23025	15	#0	QPSK	699.00	-30.38	-13	PASS
Band12	3	23025	15	#0	16QAM	698.64	-29.97	-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	698.82	-30.33	-13	PASS
Band12	5	23035	25	#0	16QAM	698.87	-30.11	-13	PASS
Band12	5	23155	25	#0	QPSK	716.11	-15.93	-13	PASS
Band12	5	23155	25	#0	16QAM	716.31	-18.37	-13	PASS
Band12	10	23060	50	#0	QPSK	698.90	-27.81	-13	PASS
Band12	10	23060	50	#0	16QAM	698.90	-30.84	-13	PASS
Band12	10	23130	50	#0	QPSK	716.14	-22.44	-13	PASS
Band12	10	23130	50	#0	16QAM	716.16	-25.91	-13	PASS

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

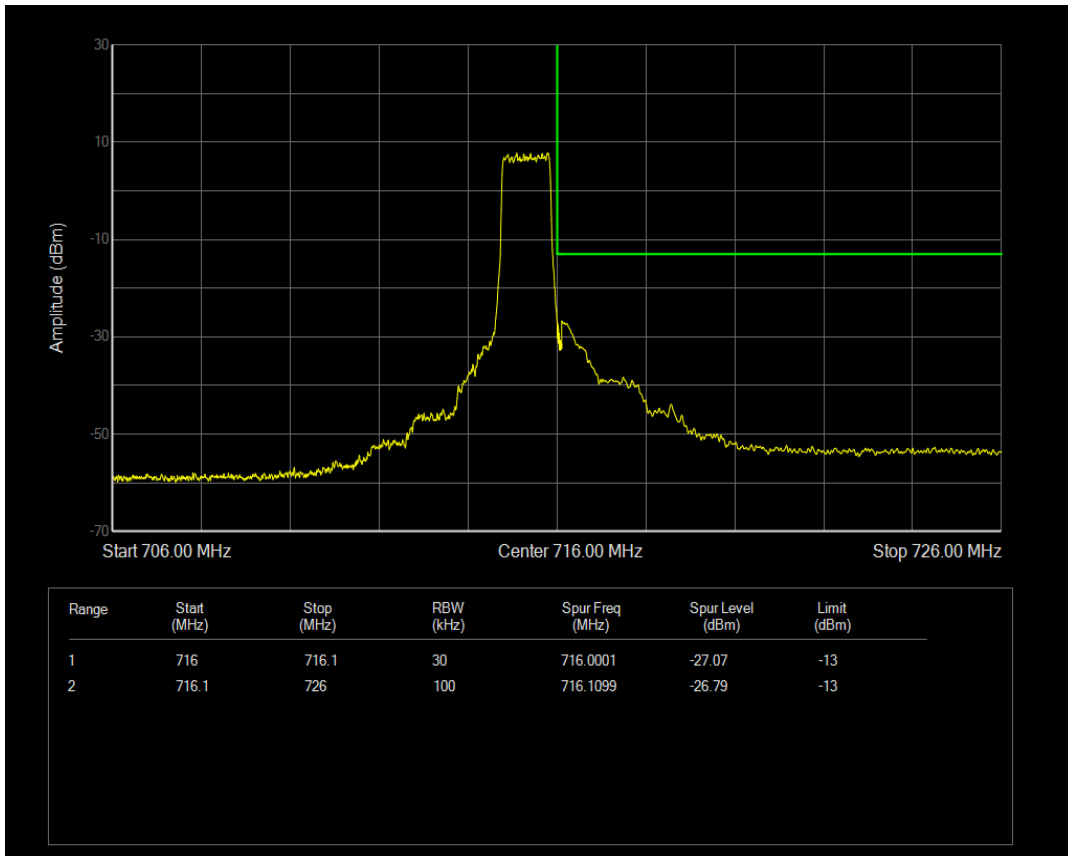




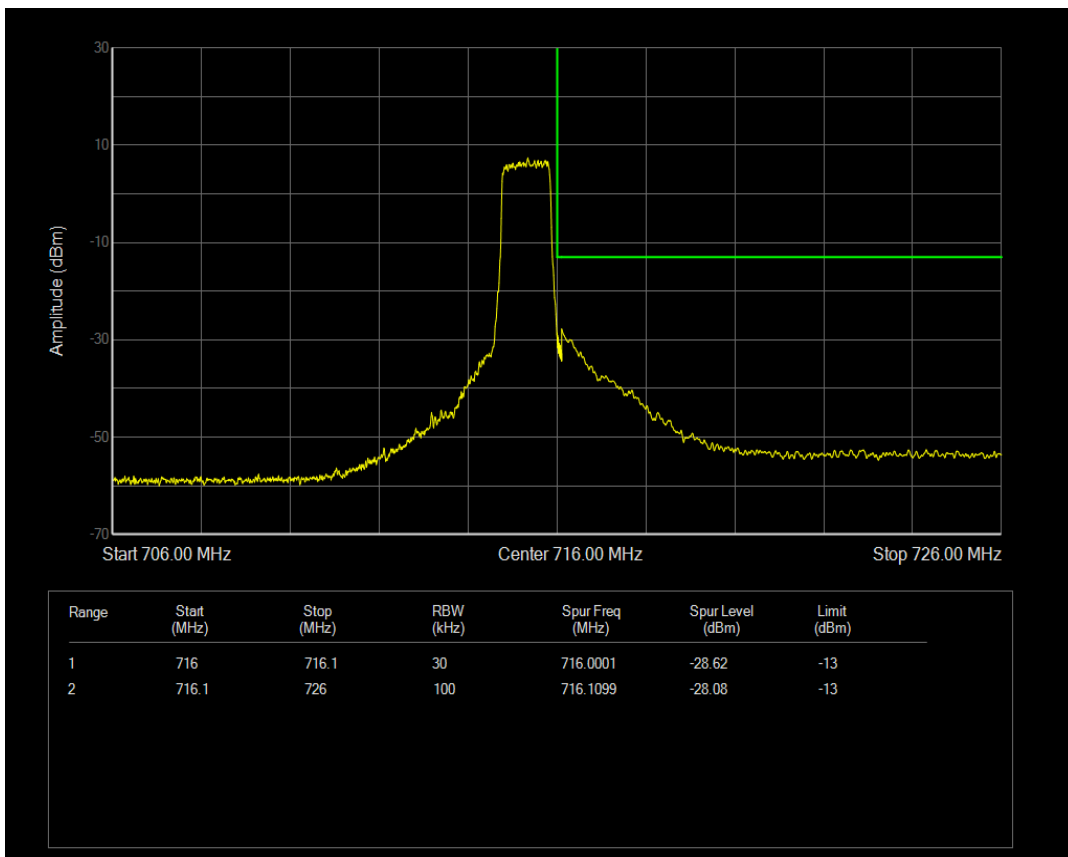
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



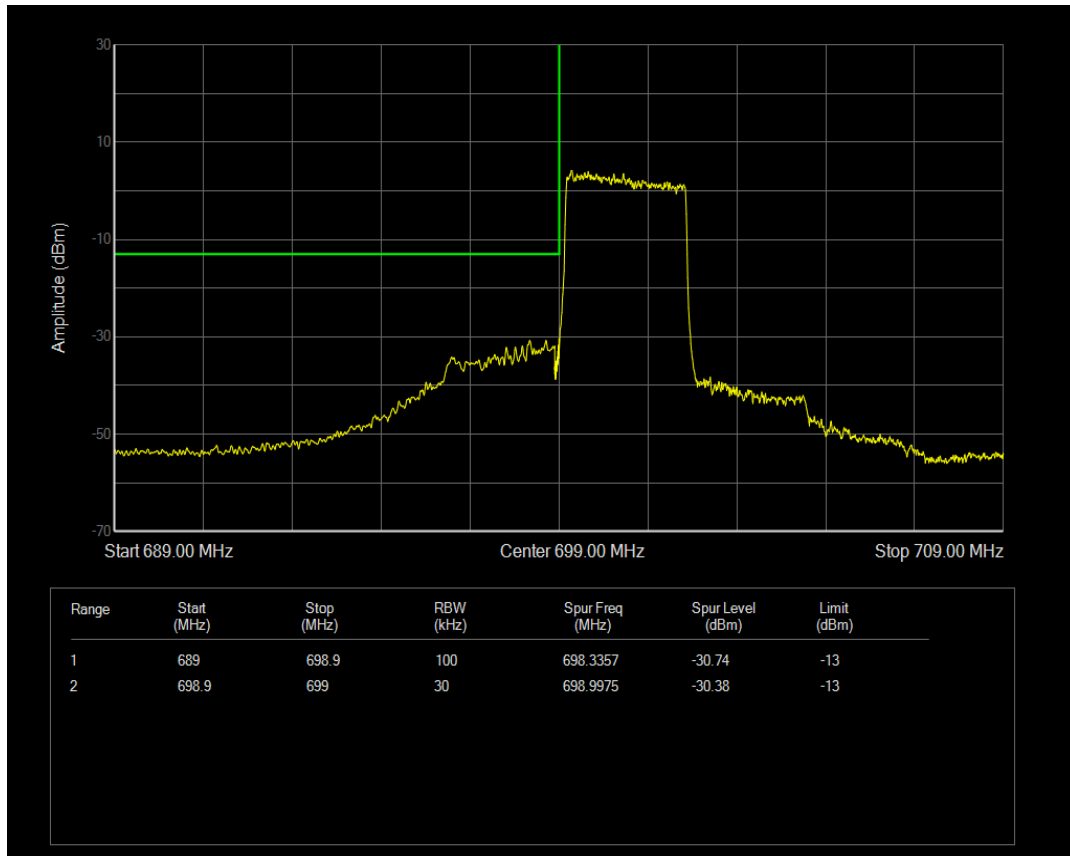
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



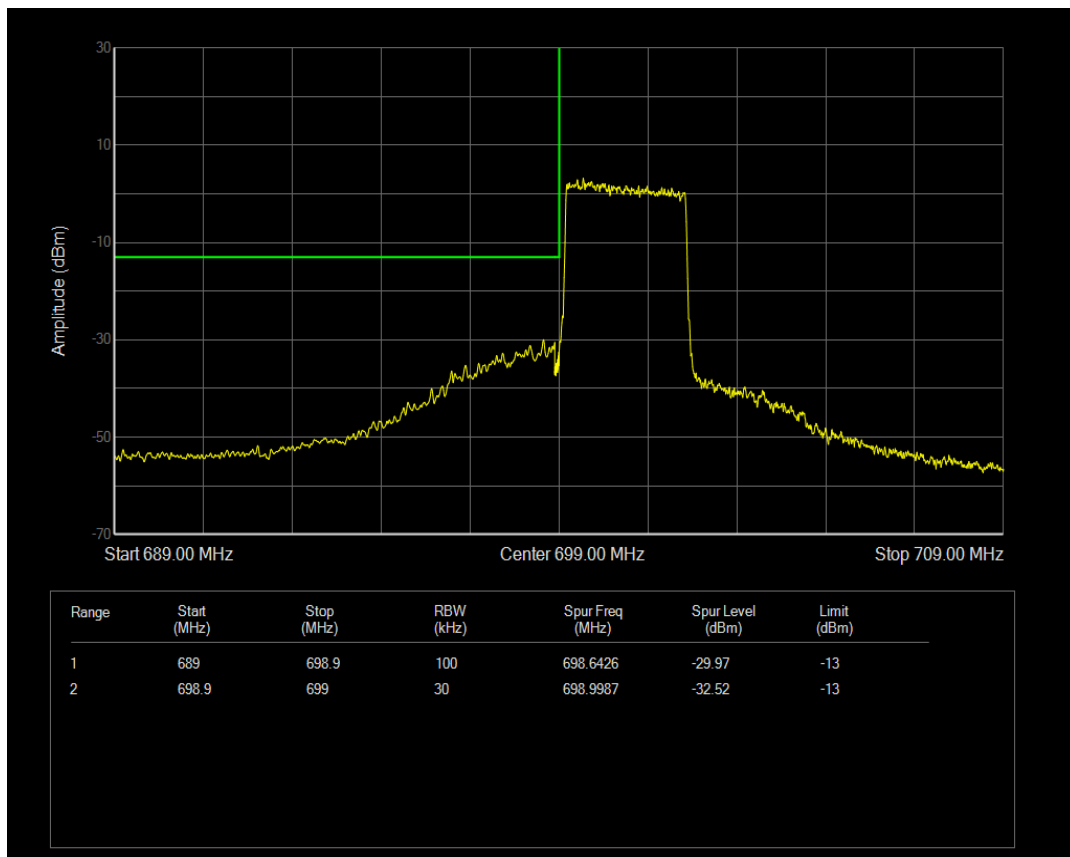
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



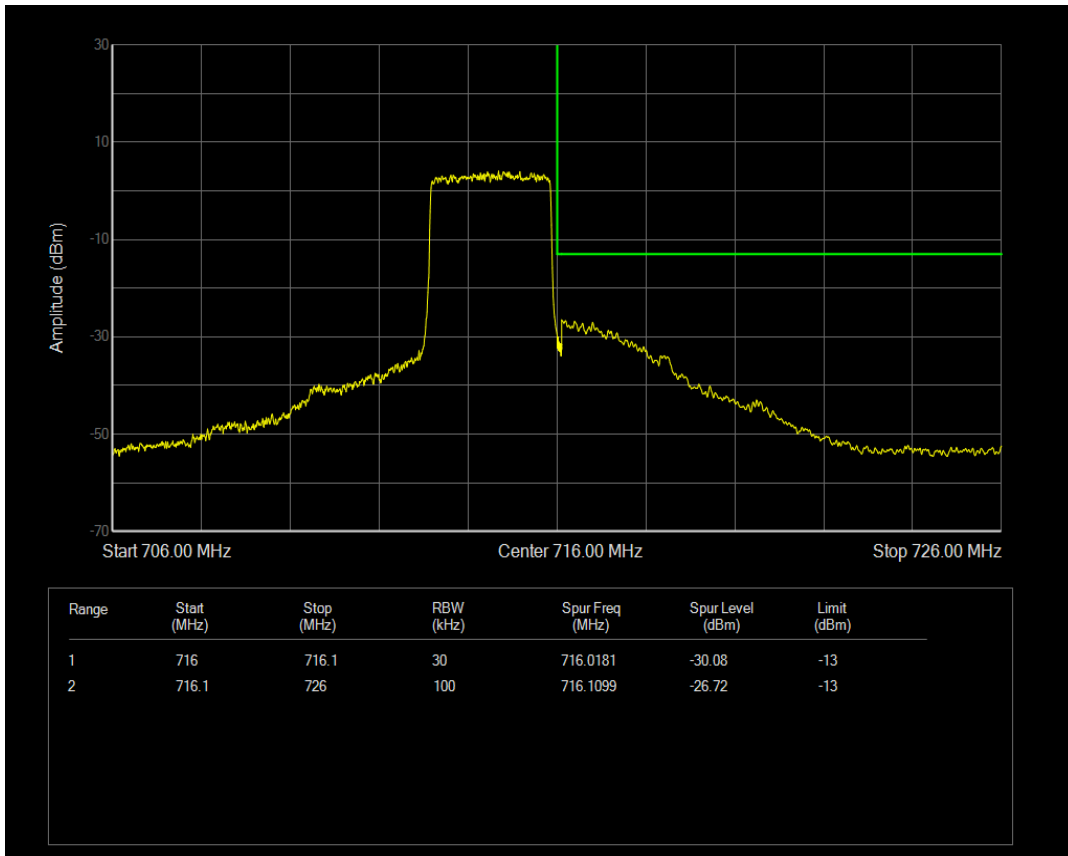
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



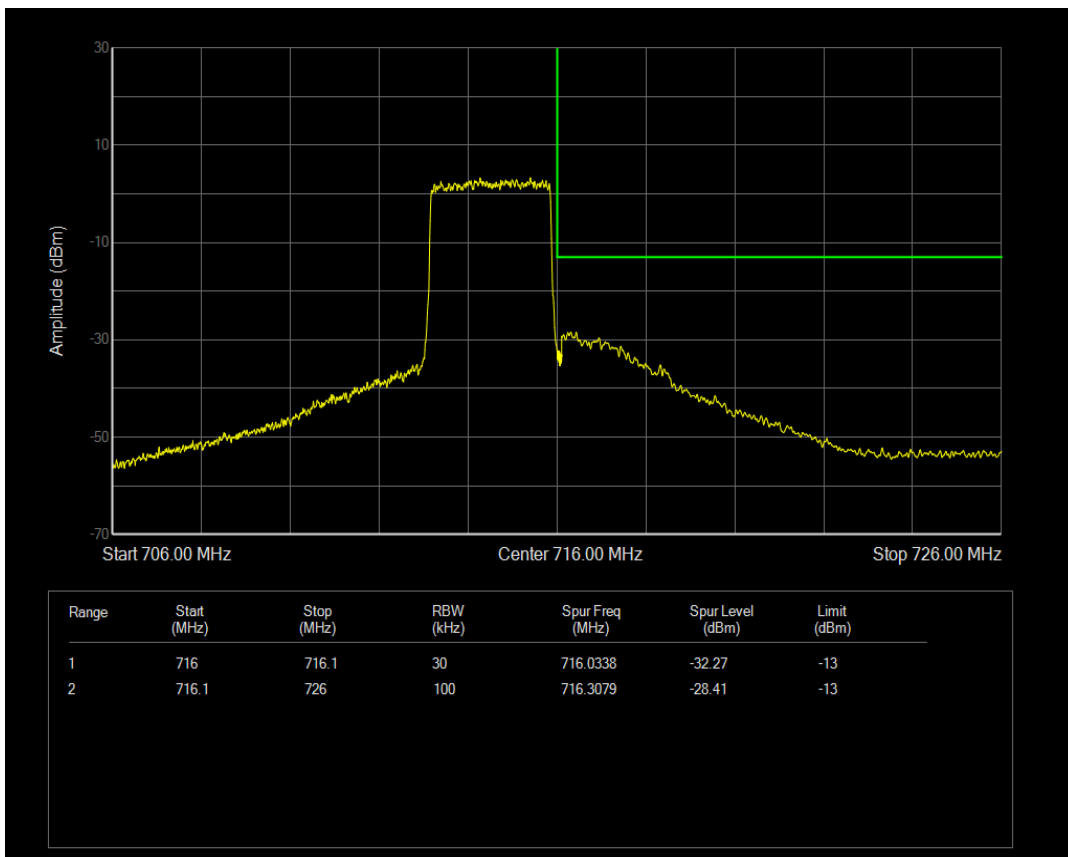
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



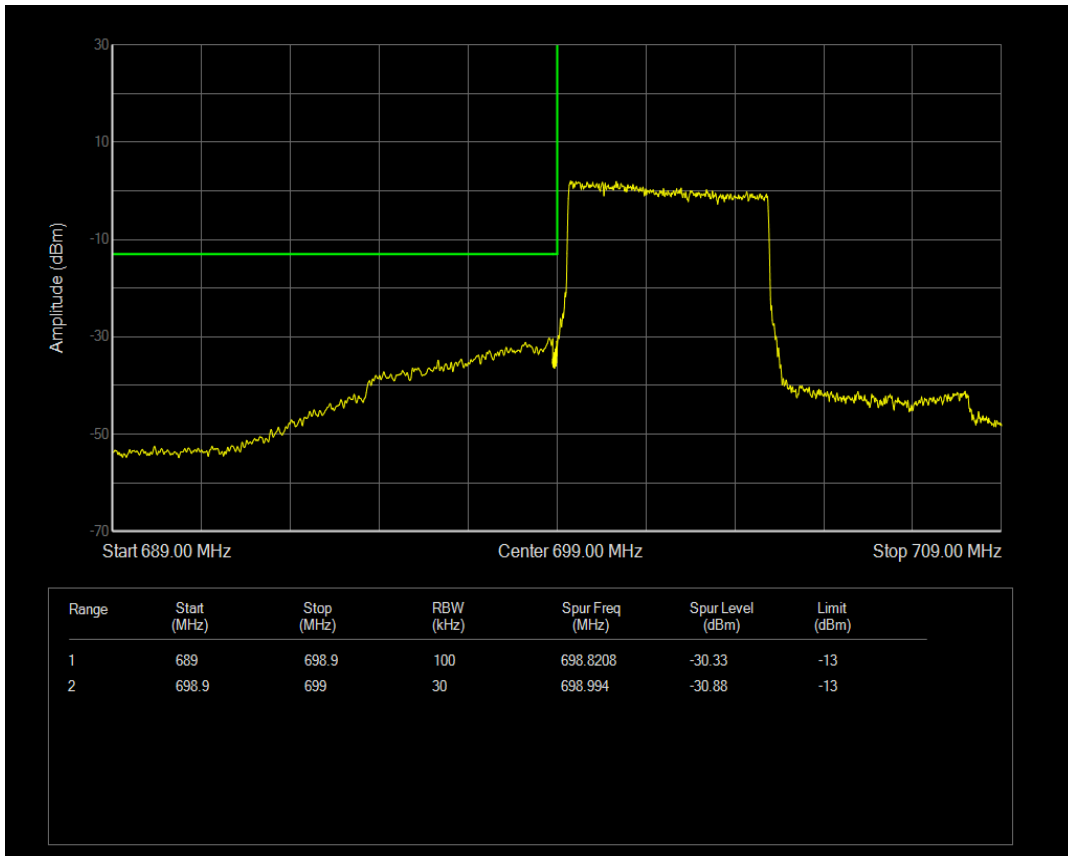
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



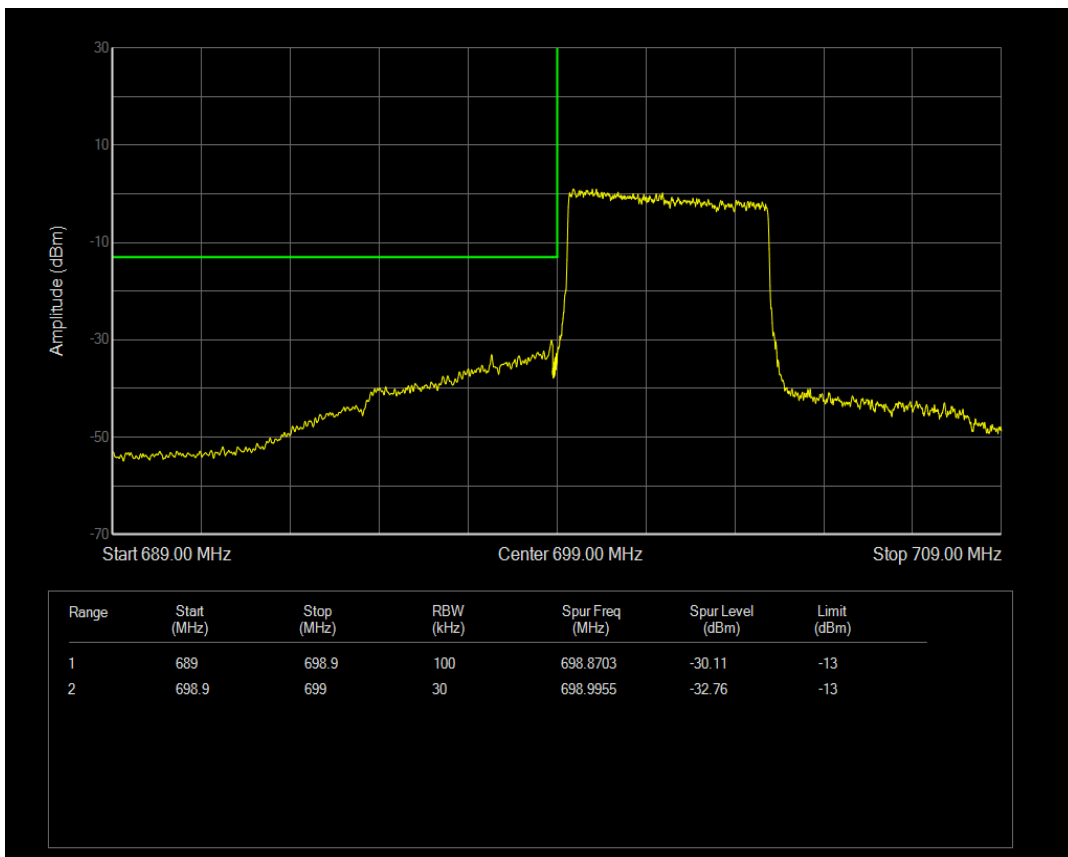
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



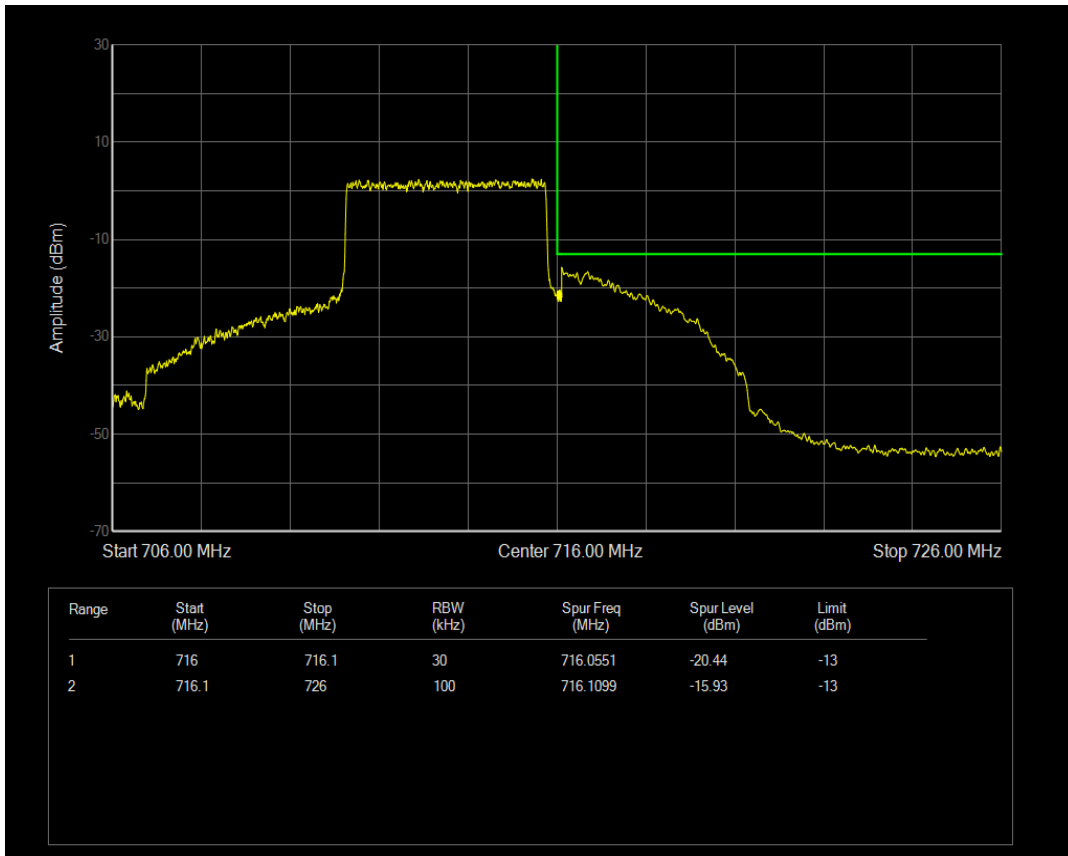
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



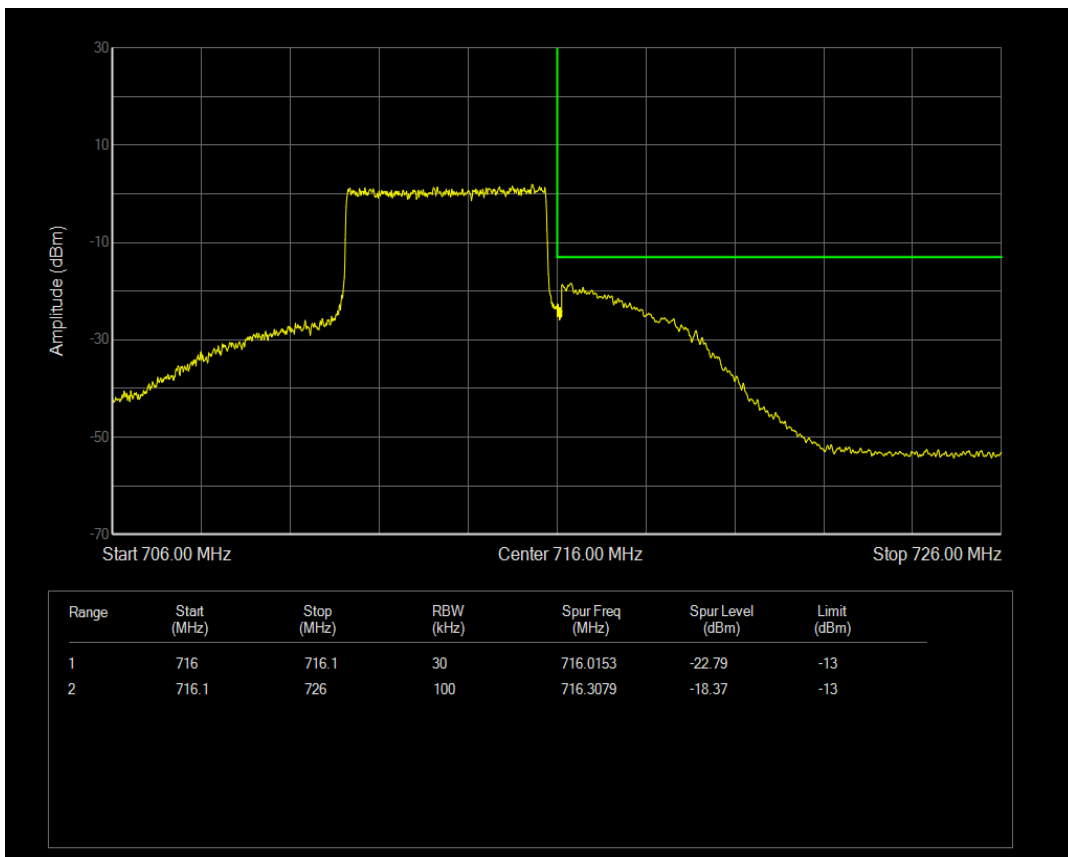
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



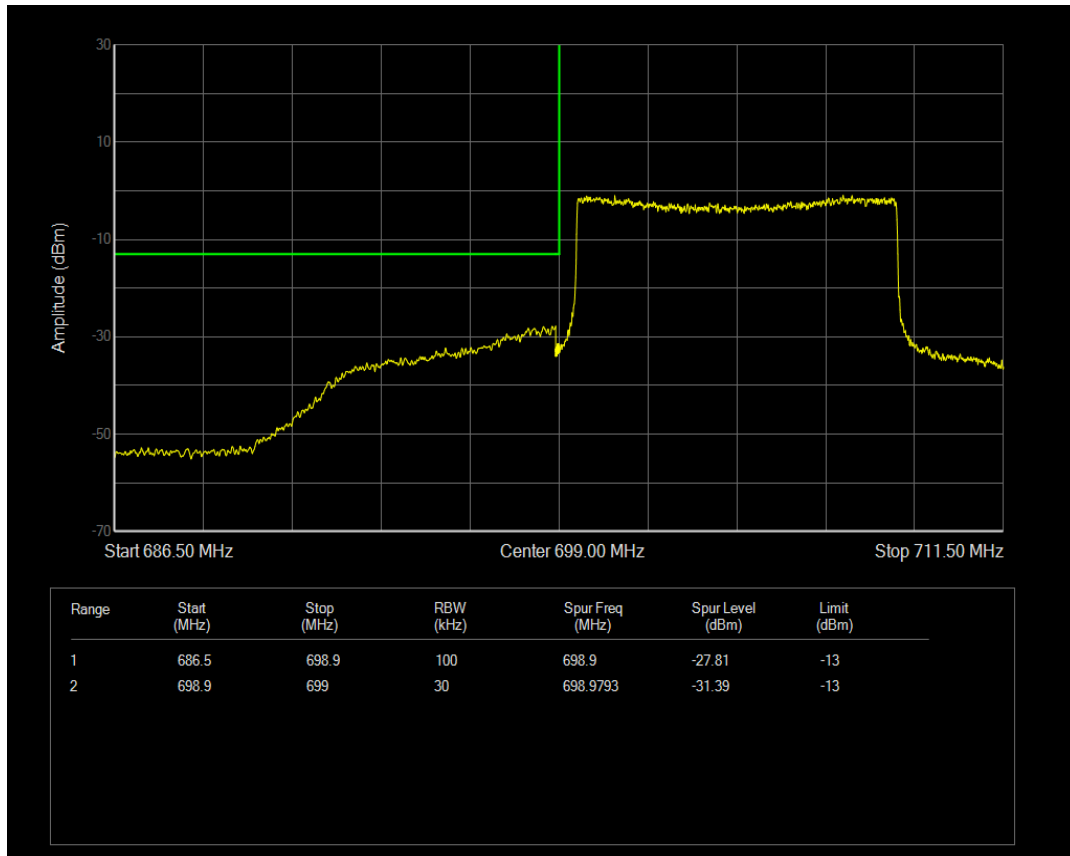
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



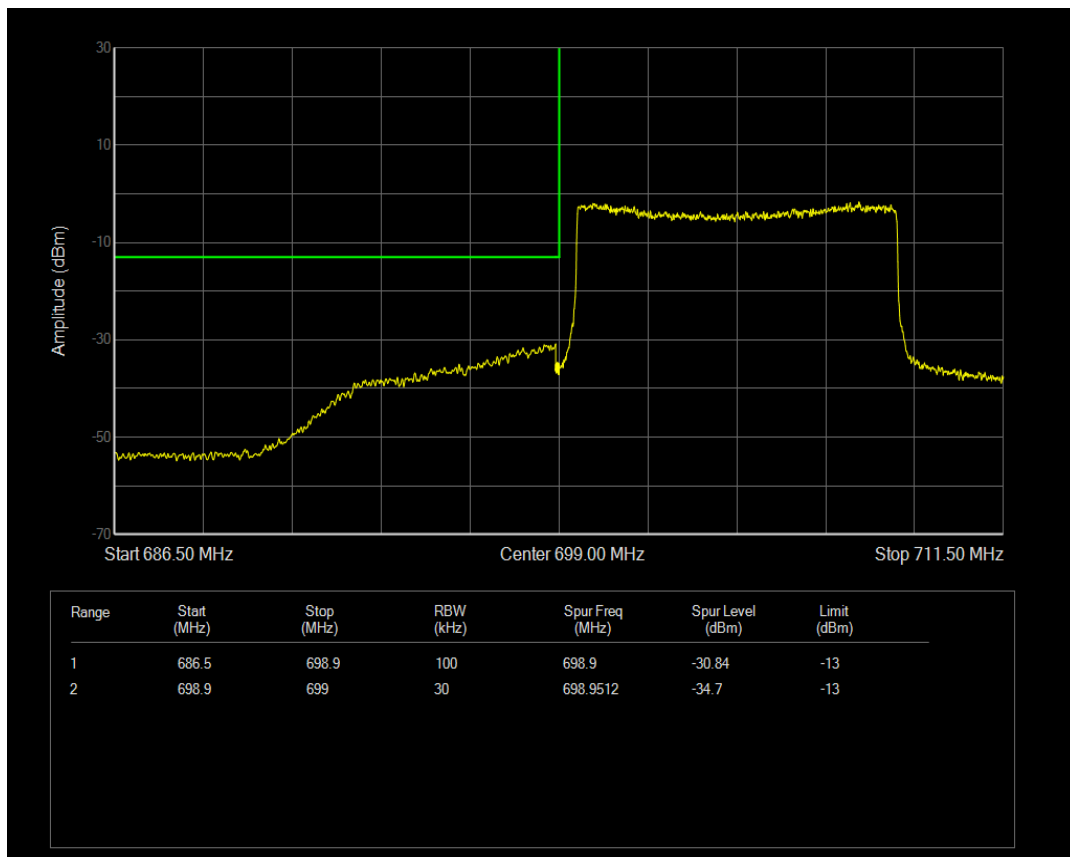
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



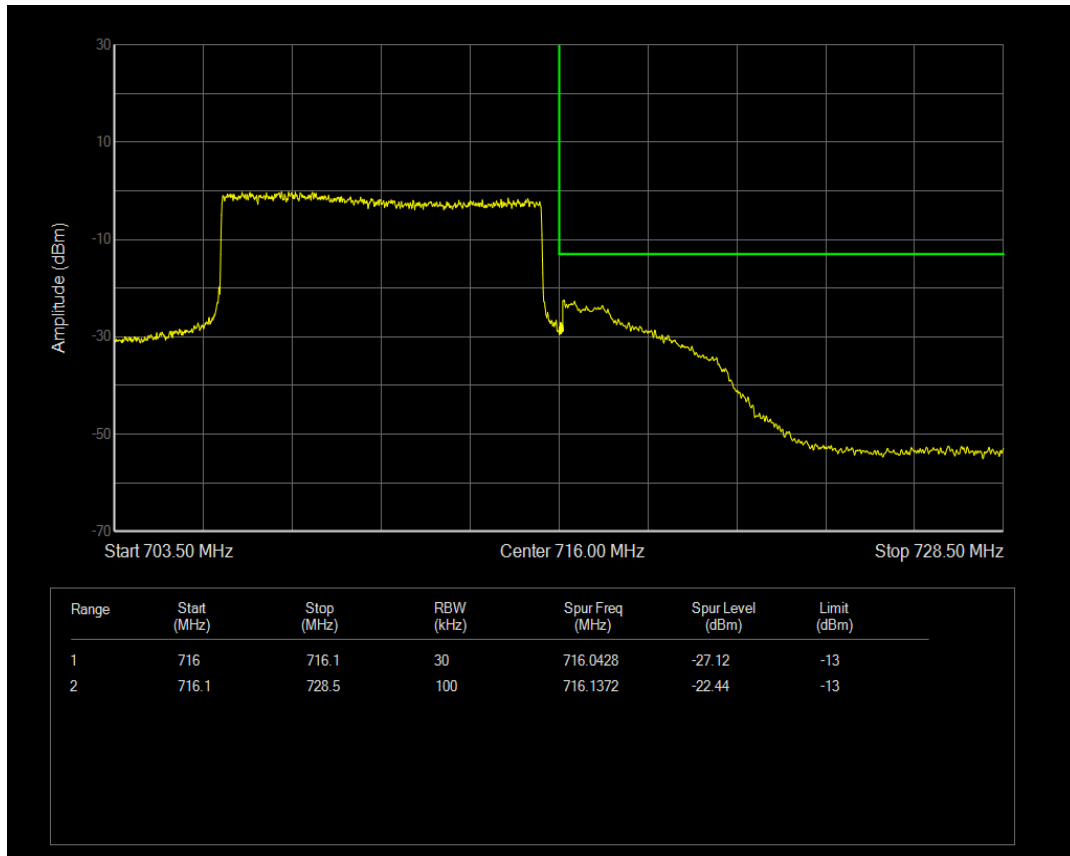
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



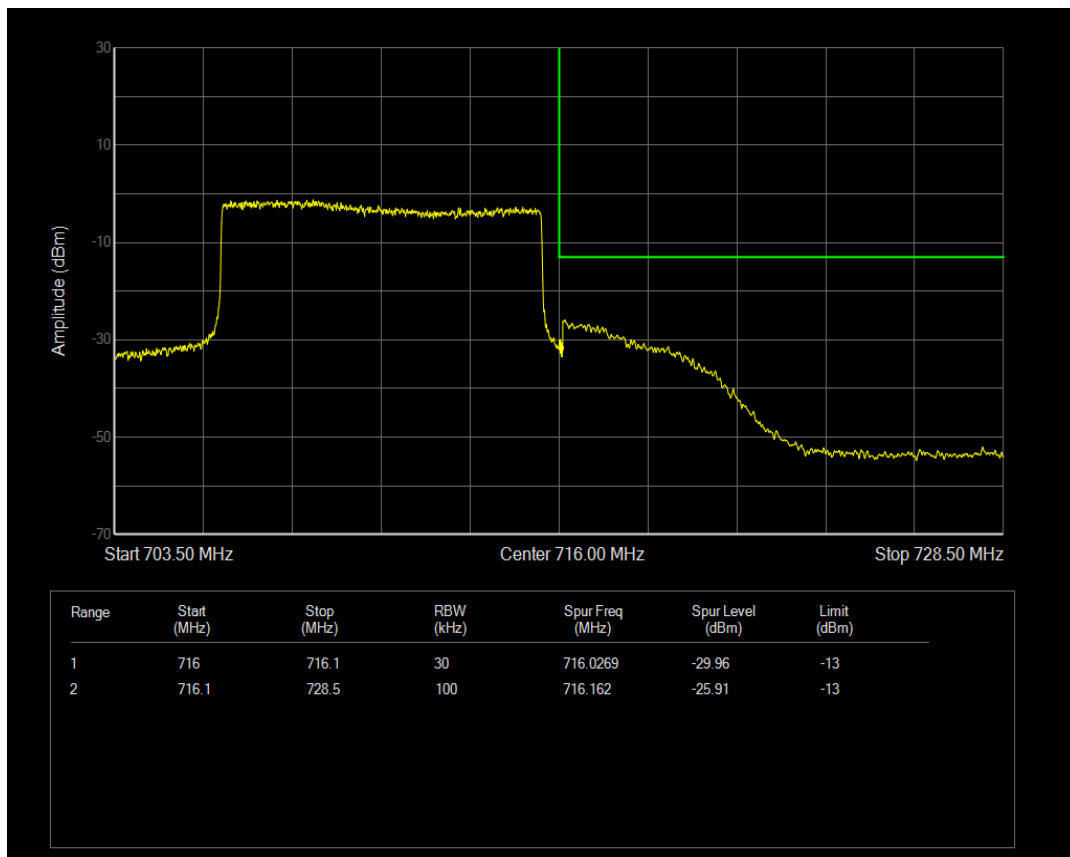
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



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



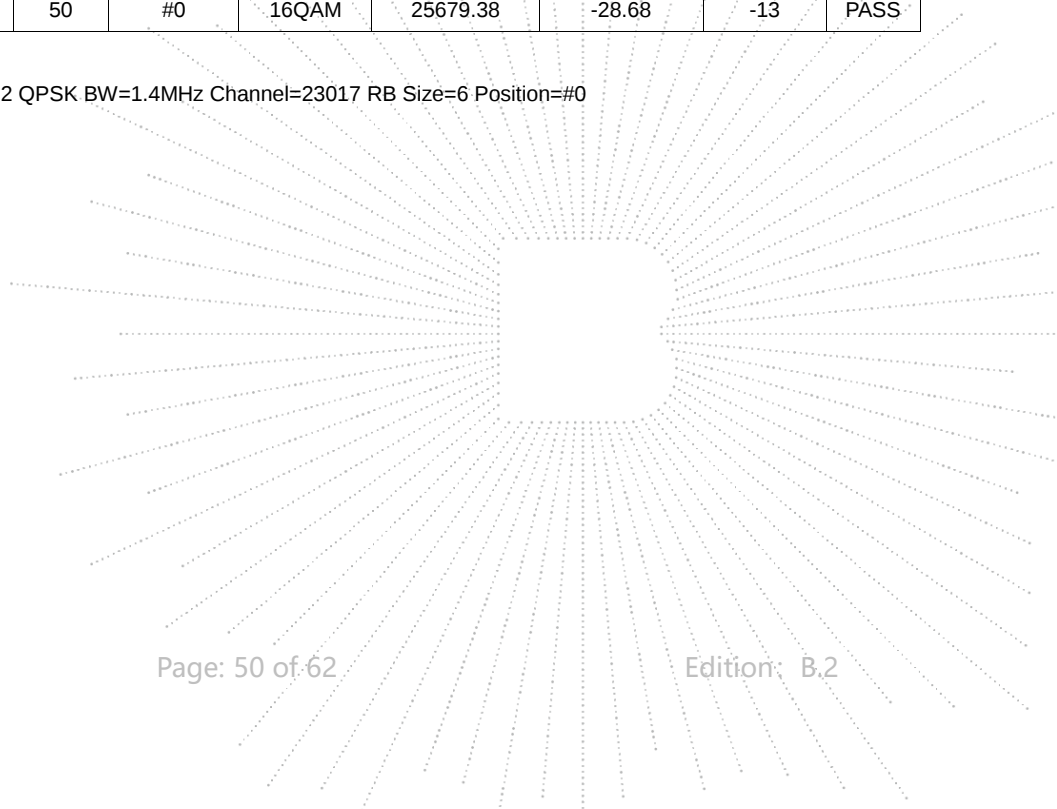
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

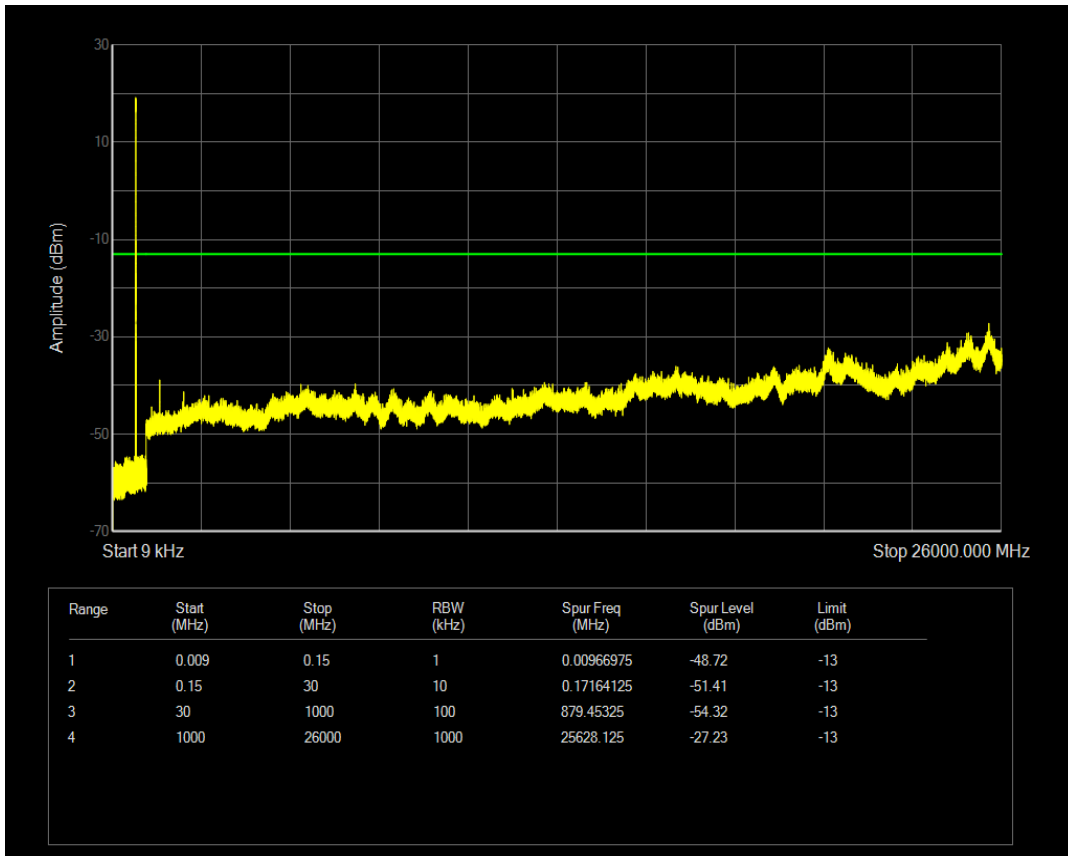


Appendix 6. Out-of-band emissions

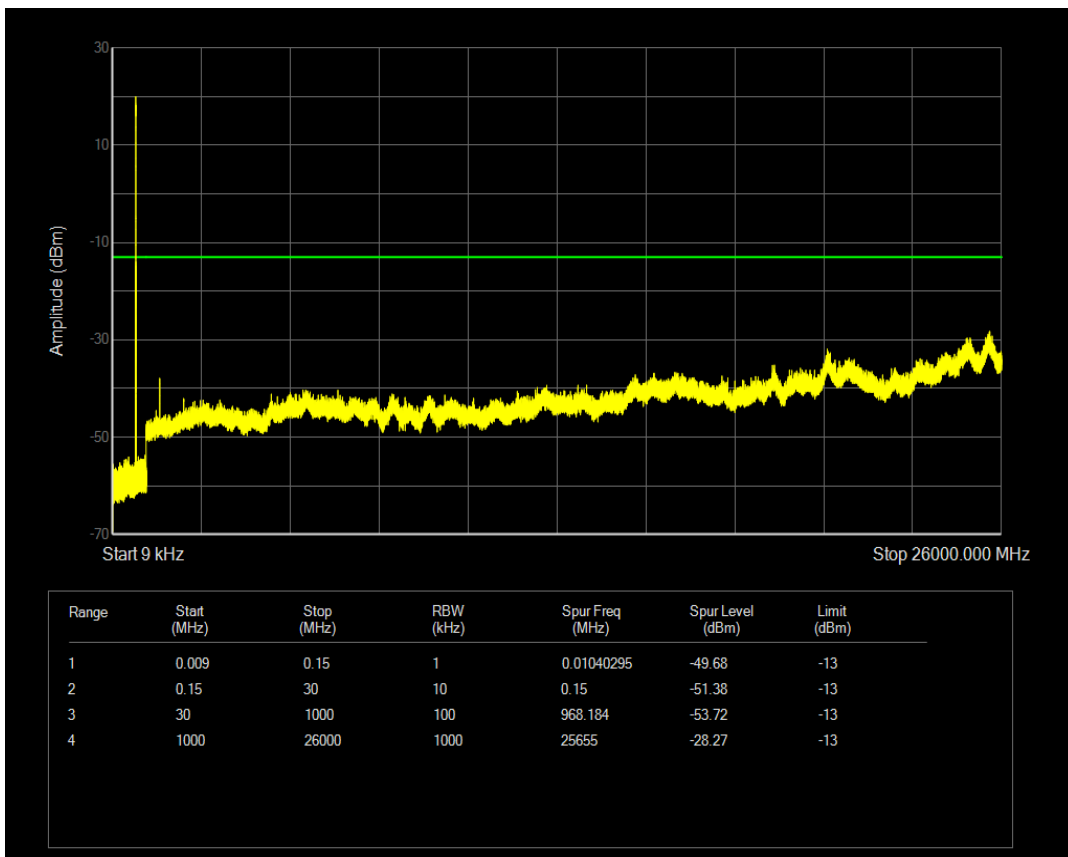
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	25628.13	-27.23	-13	PASS
Band12	1.4	23017	6	#0	16QAM	25655.00	-28.27	-13	PASS
Band12	1.4	23095	6	#0	QPSK	25665.00	-28.24	-13	PASS
Band12	1.4	23095	6	#0	16QAM	25636.25	-28.59	-13	PASS
Band12	1.4	23173	6	#0	QPSK	25653.13	-28.22	-13	PASS
Band12	1.4	23173	6	#0	16QAM	25657.50	-28.37	-13	PASS
Band12	3	23025	15	#0	QPSK	25623.75	-28.42	-13	PASS
Band12	3	23025	15	#0	16QAM	25622.50	-27.91	-13	PASS
Band12	3	23095	15	#0	QPSK	25588.13	-27.38	-13	PASS
Band12	3	23095	15	#0	16QAM	25635.00	-28.16	-13	PASS
Band12	3	23165	15	#0	QPSK	25645.00	-28.89	-13	PASS
Band12	3	23165	15	#0	16QAM	25633.75	-28.21	-13	PASS
Band12	5	23035	25	#0	QPSK	25608.75	-27.92	-13	PASS
Band12	5	23035	25	#0	16QAM	25591.88	-28.59	-13	PASS
Band12	5	23095	25	#0	QPSK	25660.63	-28.20	-13	PASS
Band12	5	23095	25	#0	16QAM	25718.75	-28.29	-13	PASS
Band12	5	23155	25	#0	QPSK	25604.38	-28.32	-13	PASS
Band12	5	23155	25	#0	16QAM	25626.88	-27.81	-13	PASS
Band12	10	23060	50	#0	QPSK	25051.88	-28.30	-13	PASS
Band12	10	23060	50	#0	16QAM	25733.13	-28.51	-13	PASS
Band12	10	23095	50	#0	QPSK	25631.88	-27.91	-13	PASS
Band12	10	23095	50	#0	16QAM	25716.25	-28.76	-13	PASS
Band12	10	23130	50	#0	QPSK	25643.13	-28.03	-13	PASS
Band12	10	23130	50	#0	16QAM	25679.38	-28.68	-13	PASS

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

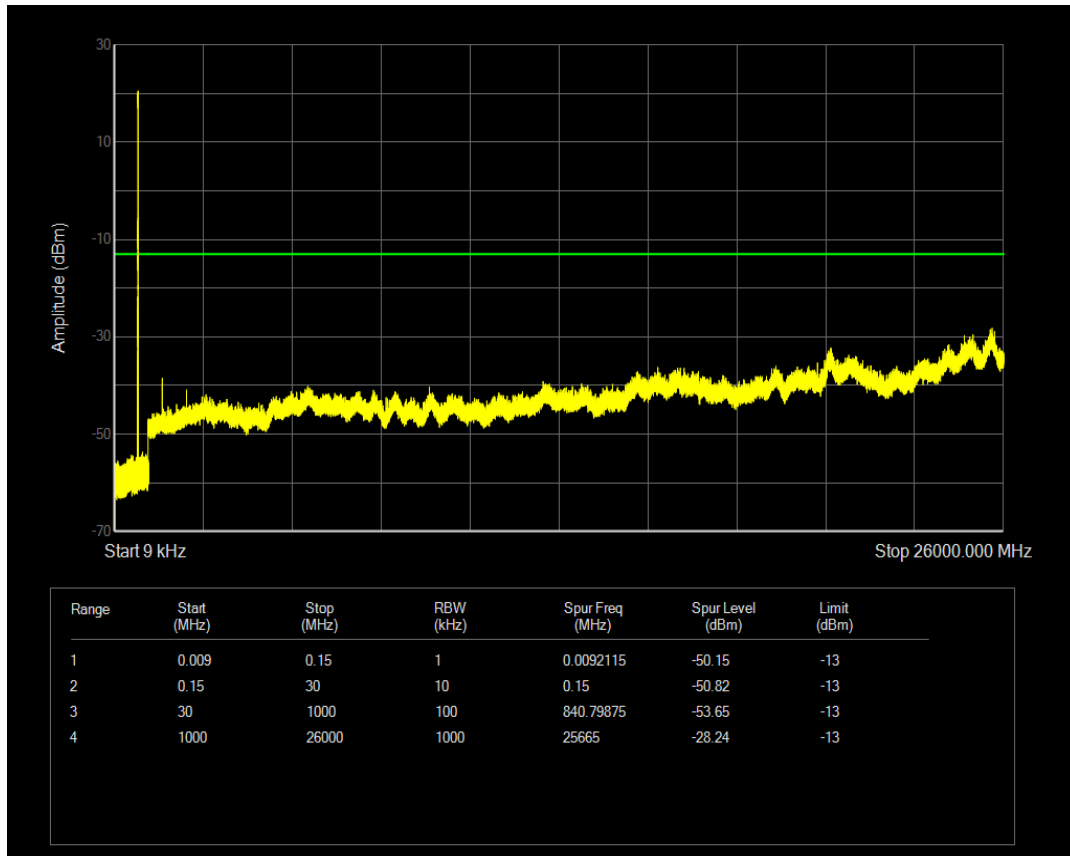




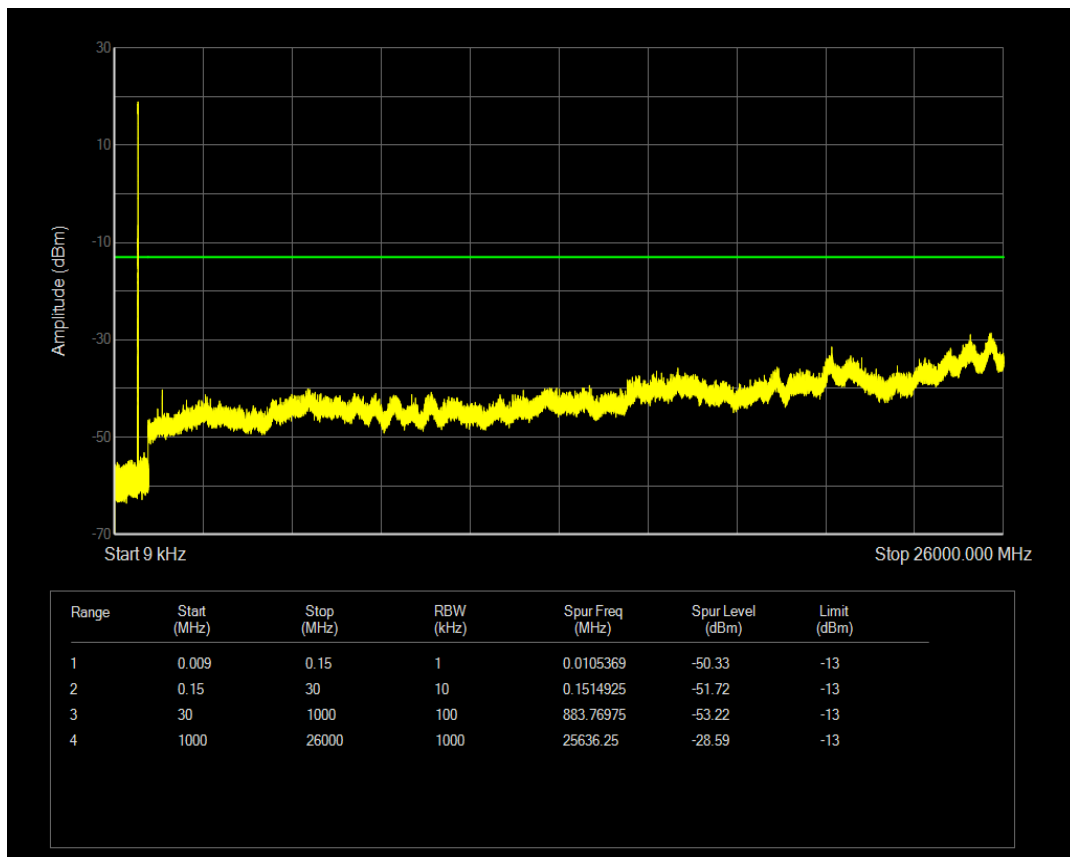
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



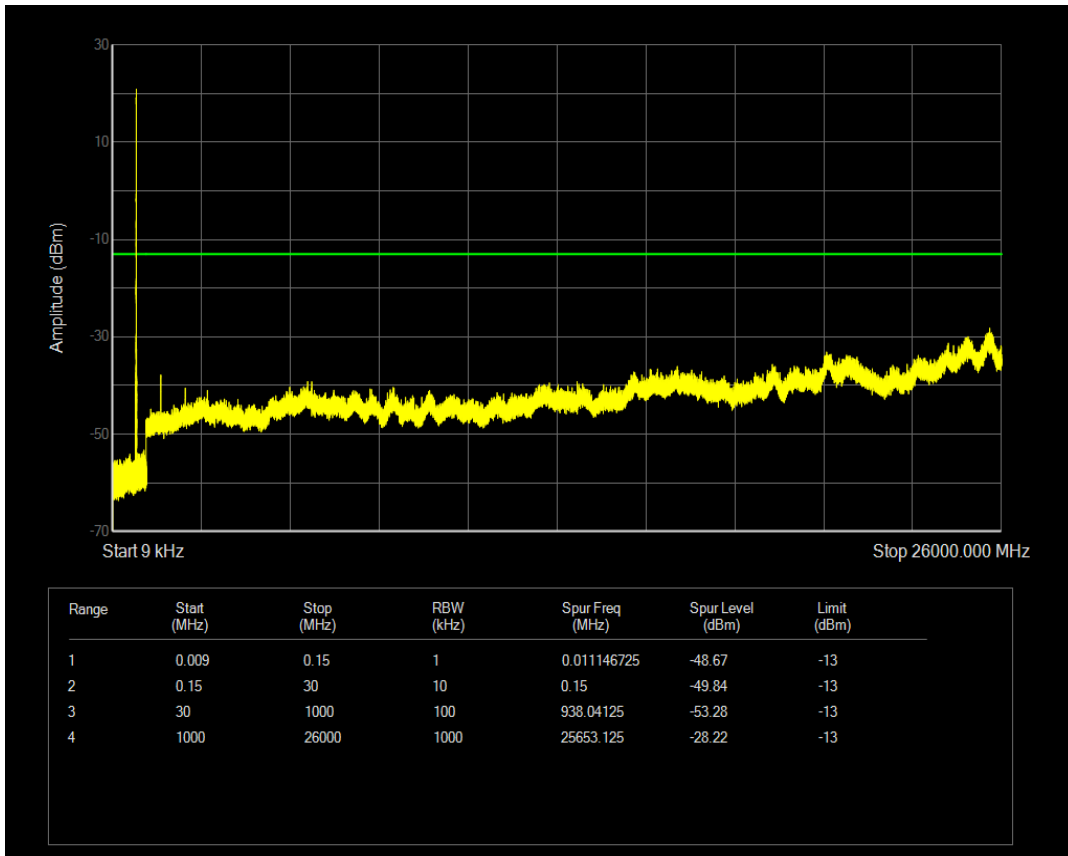
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



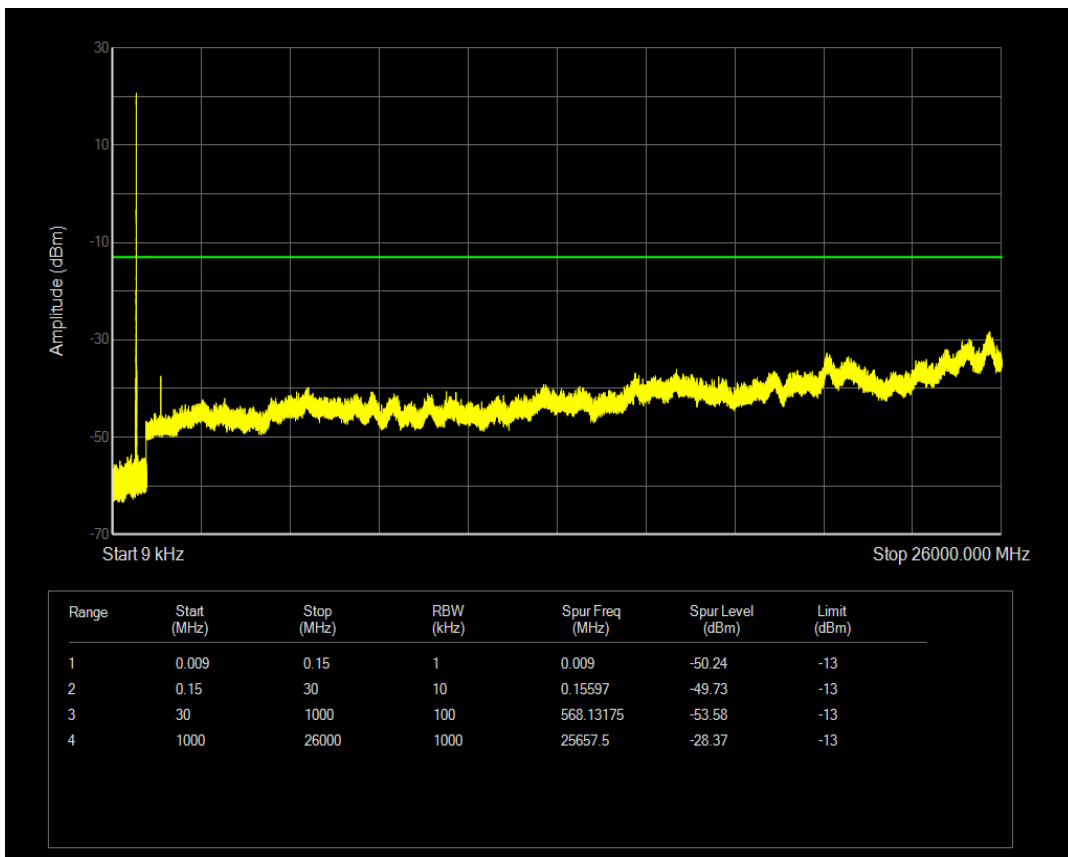
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



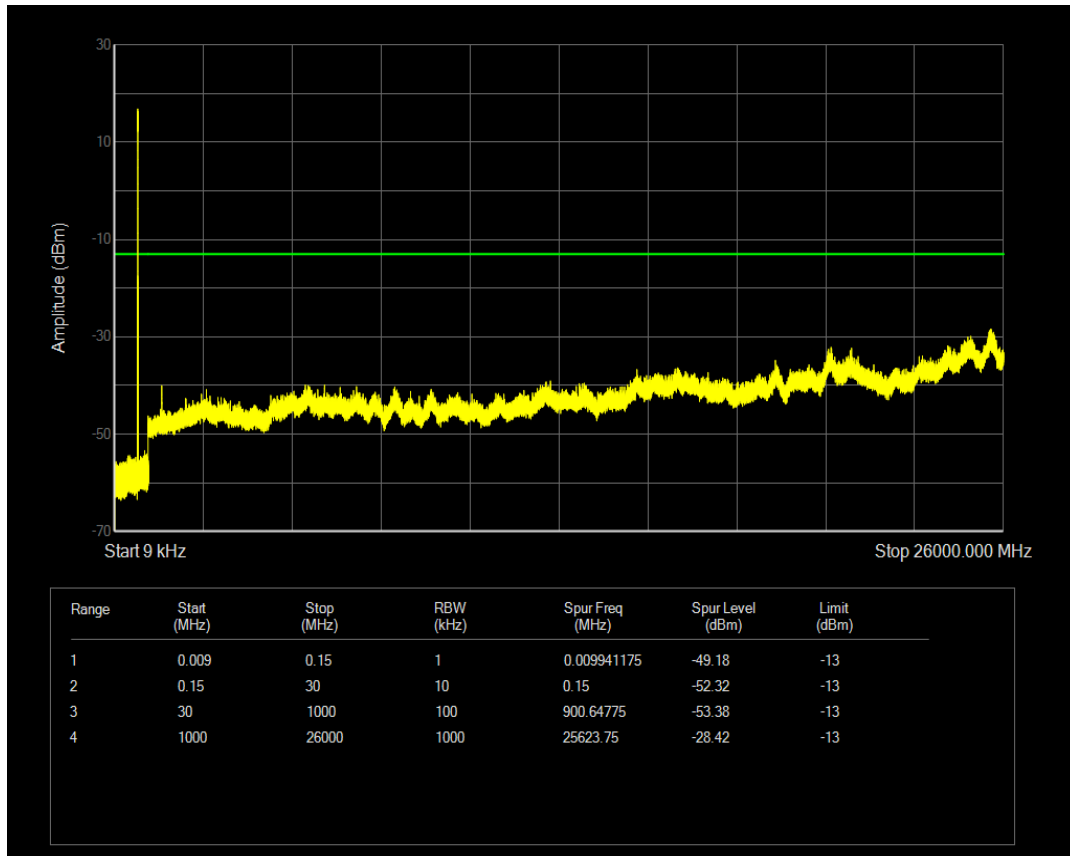
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



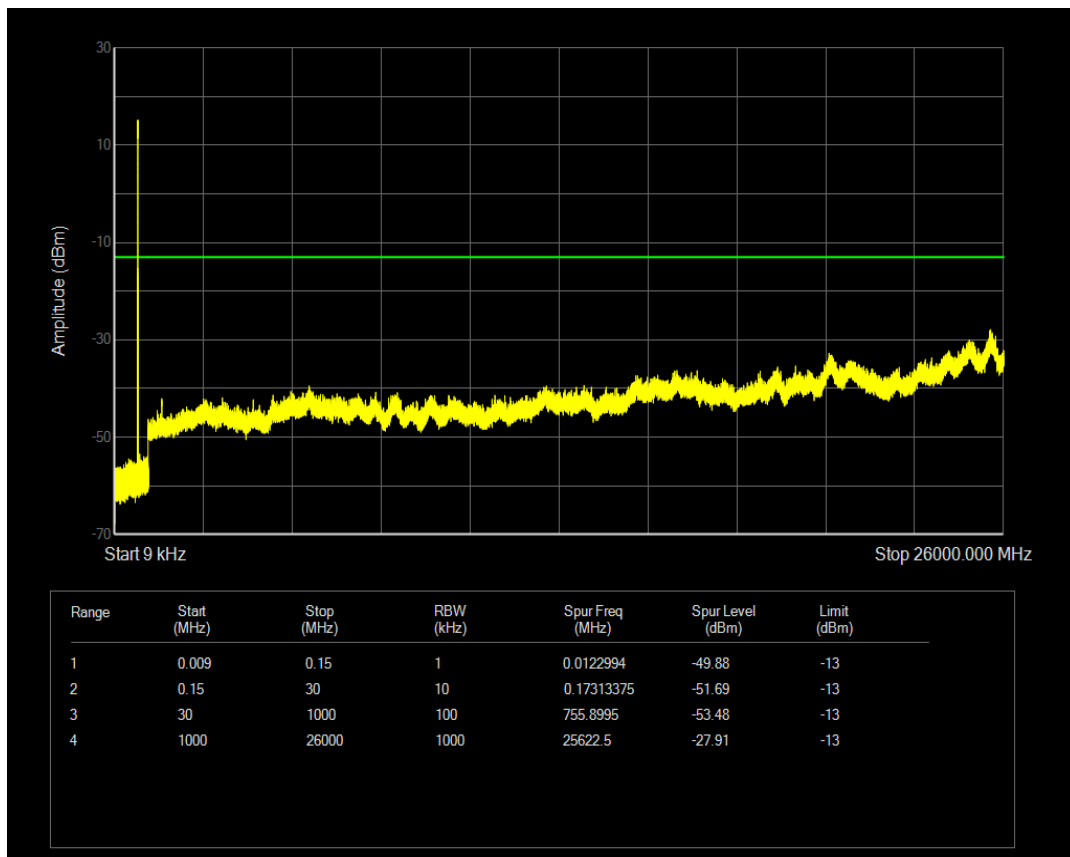
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



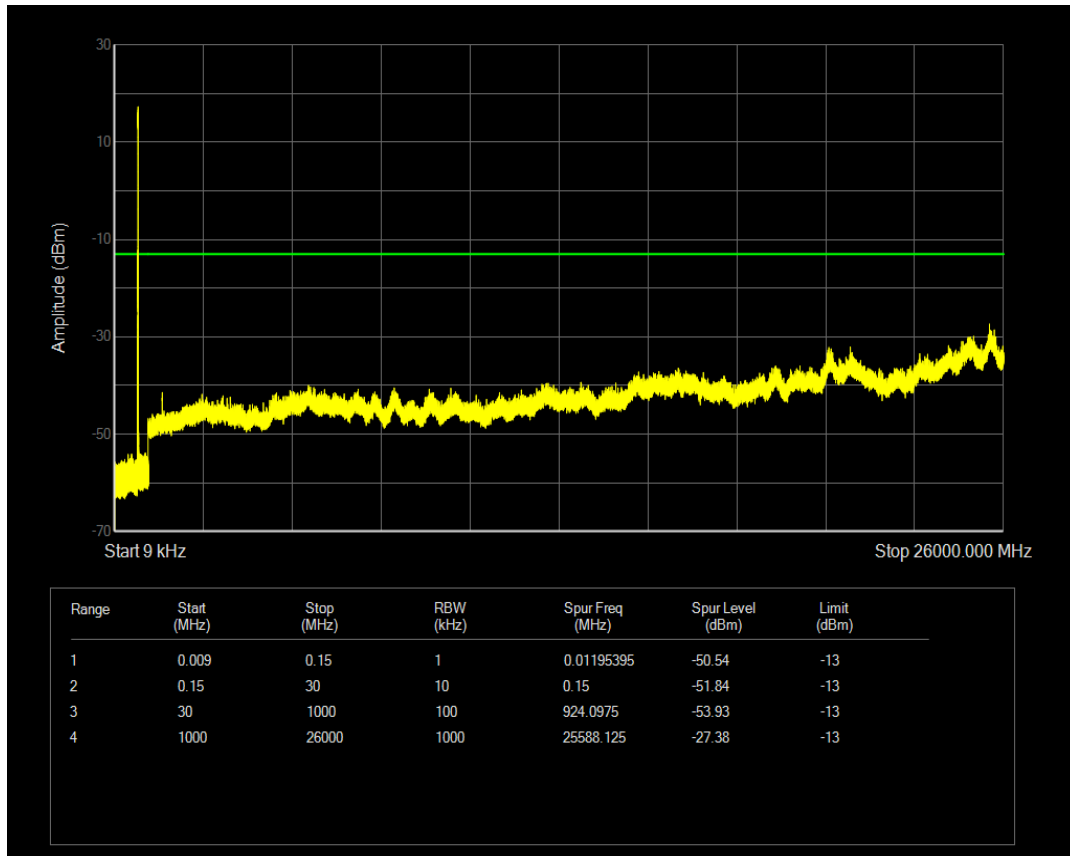
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



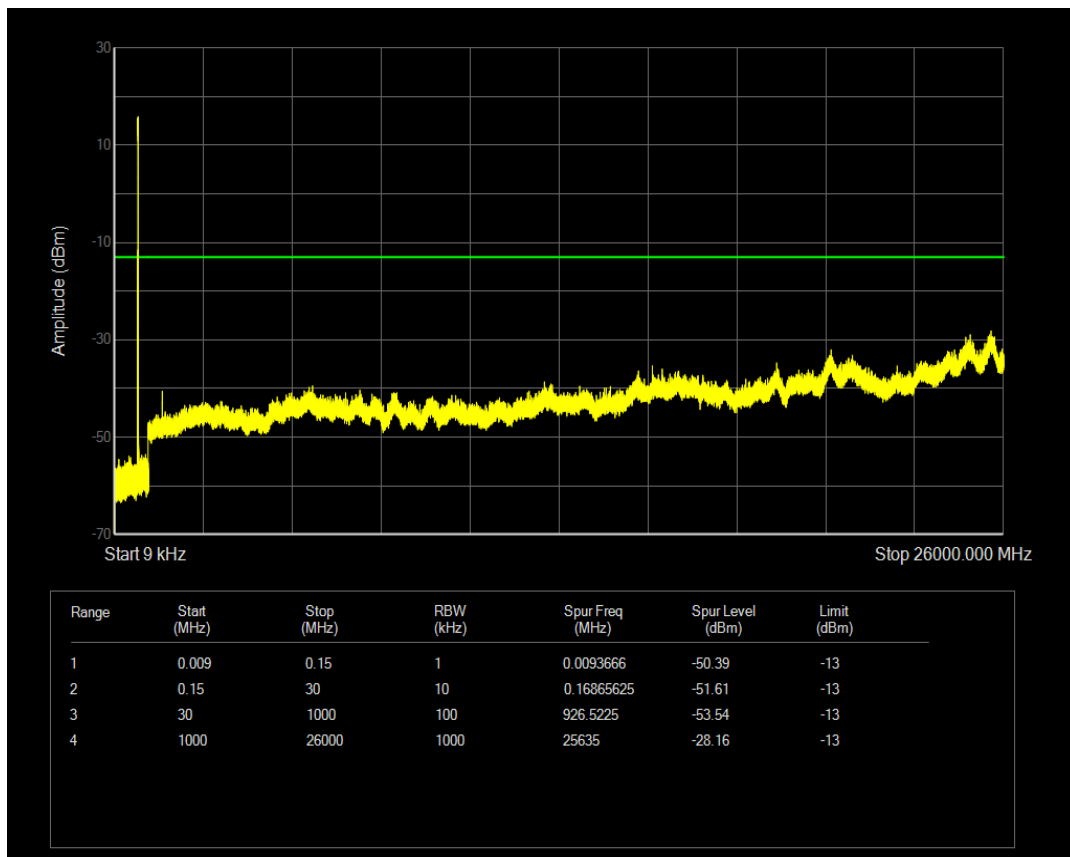
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



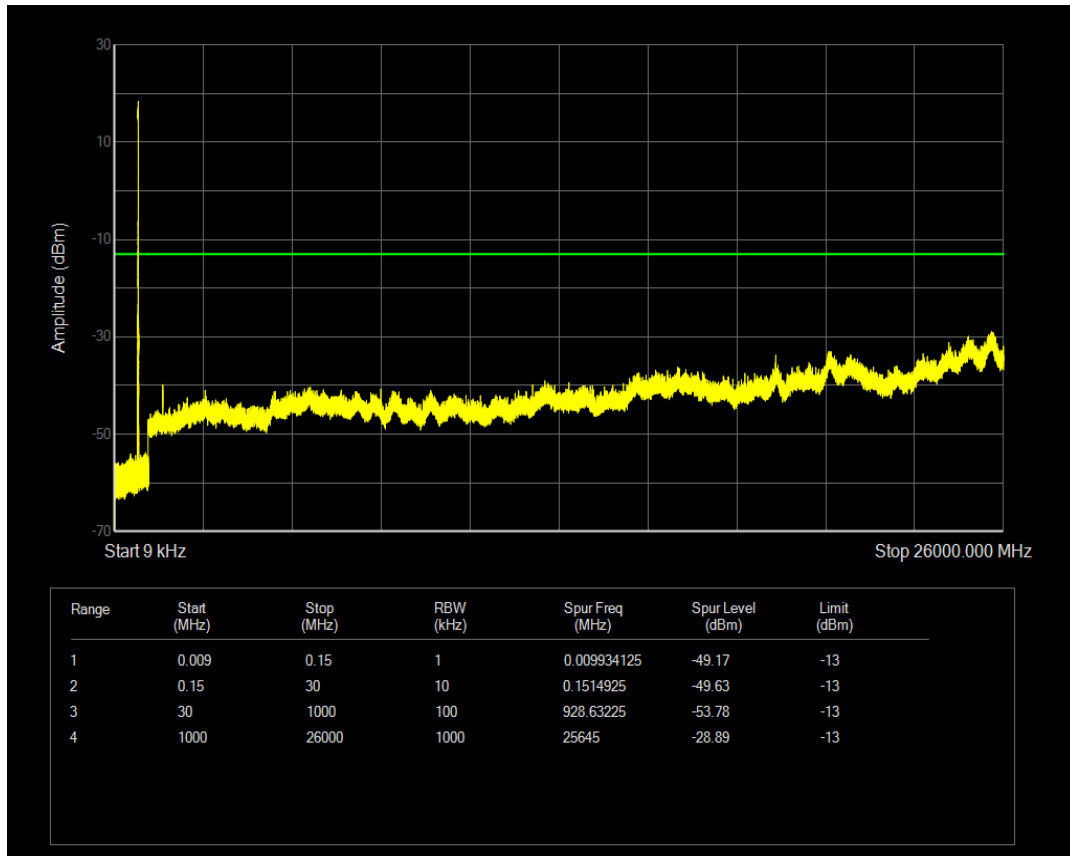
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



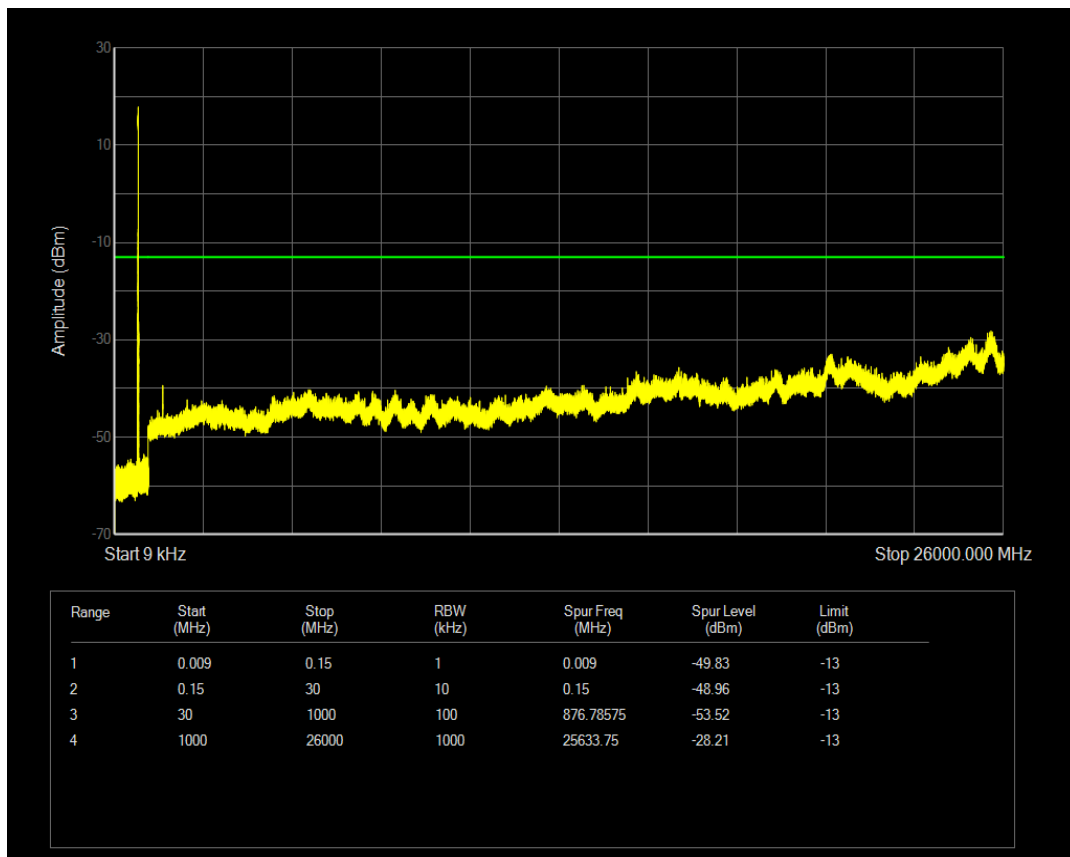
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



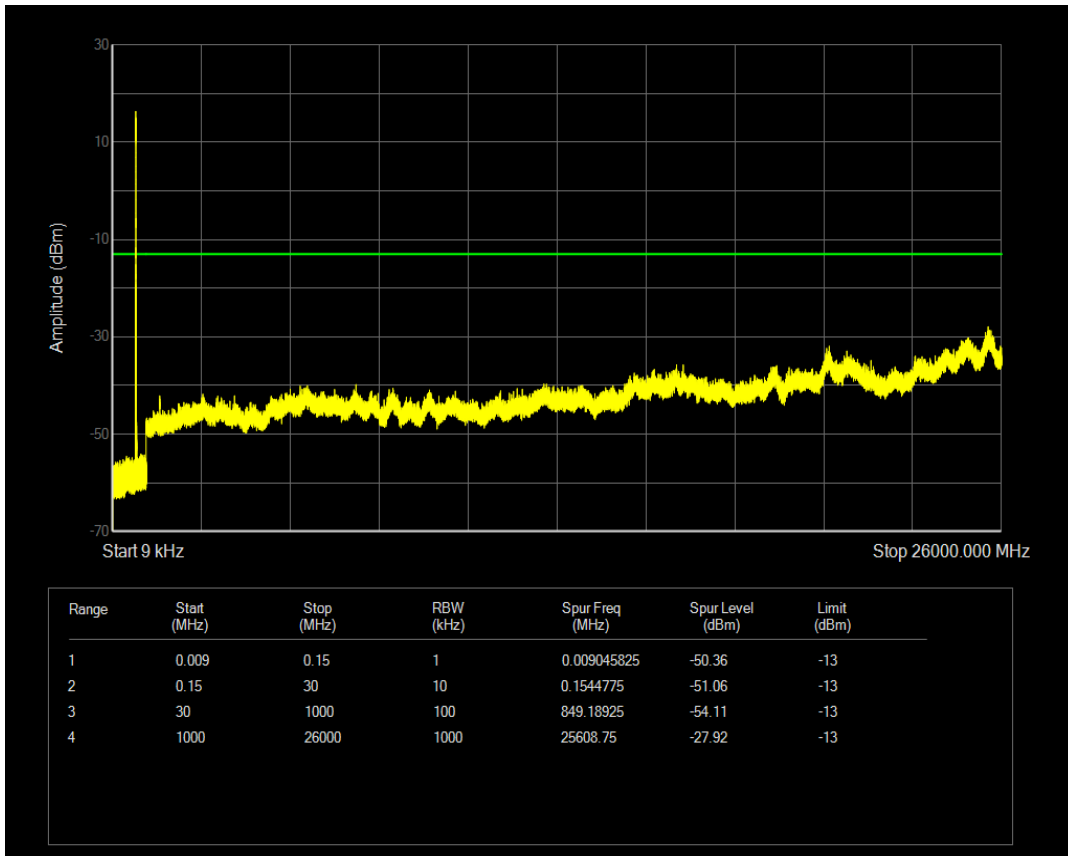
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



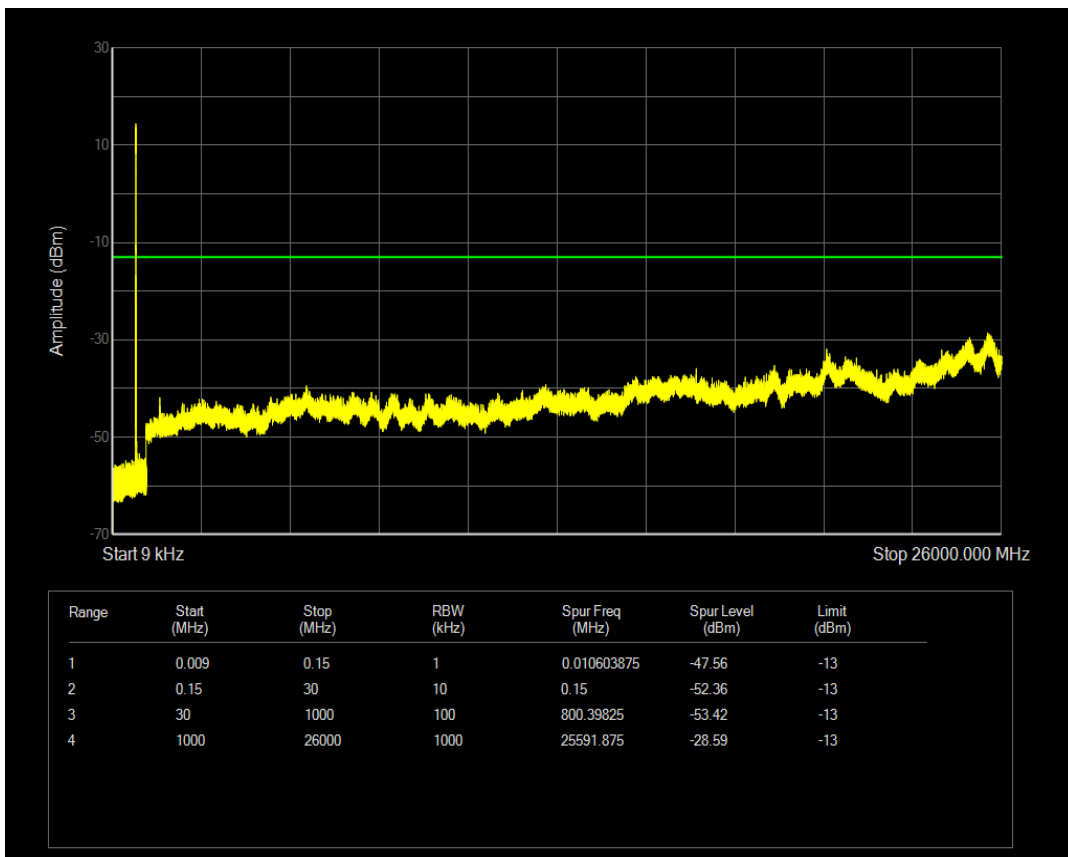
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



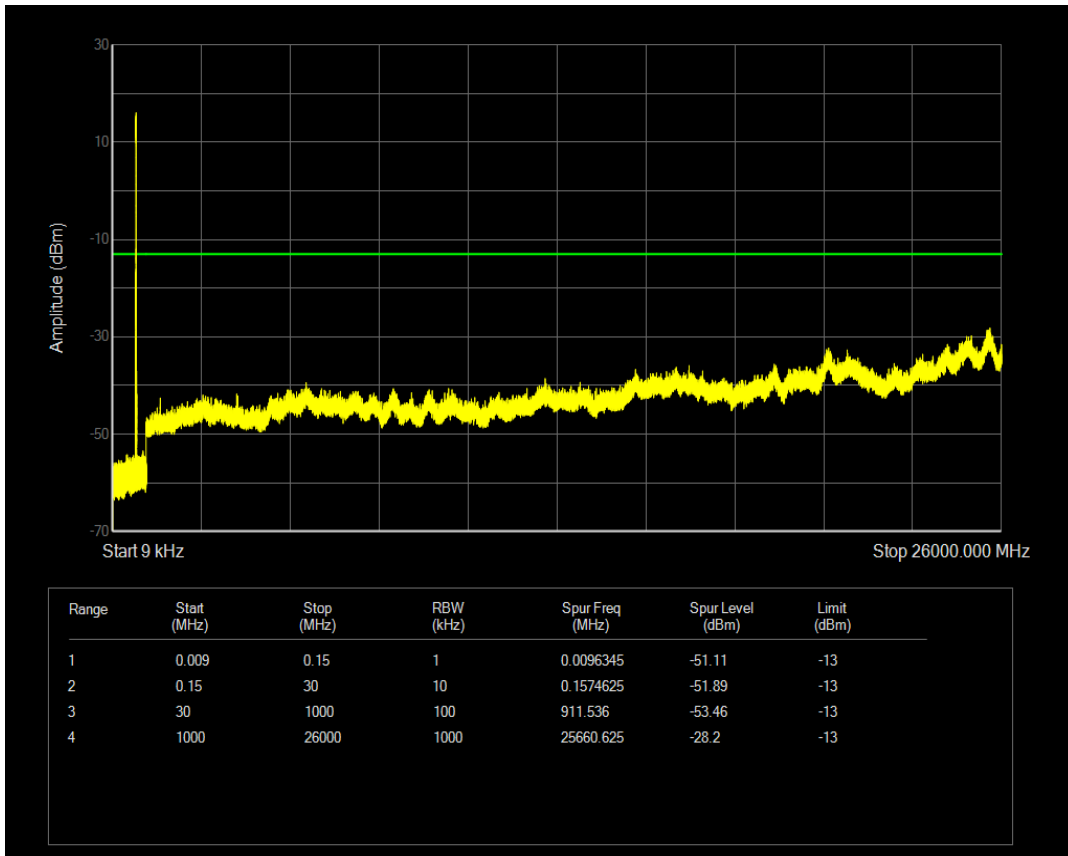
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



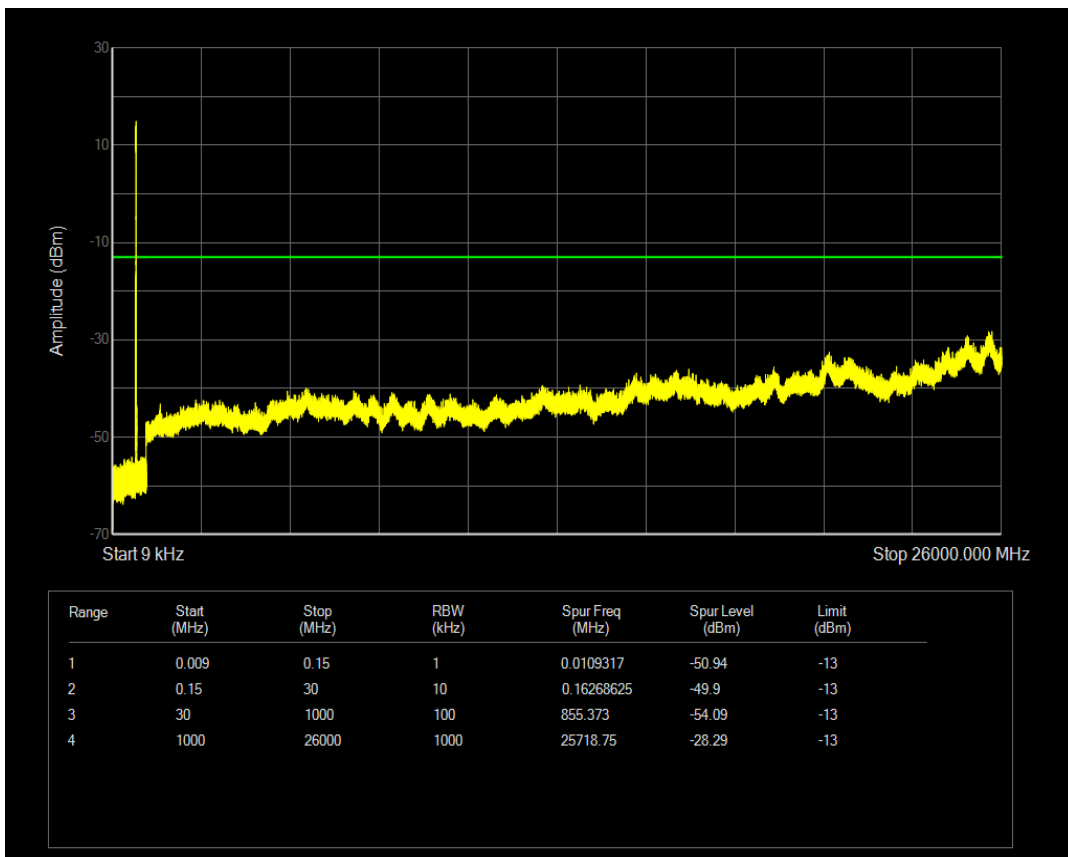
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



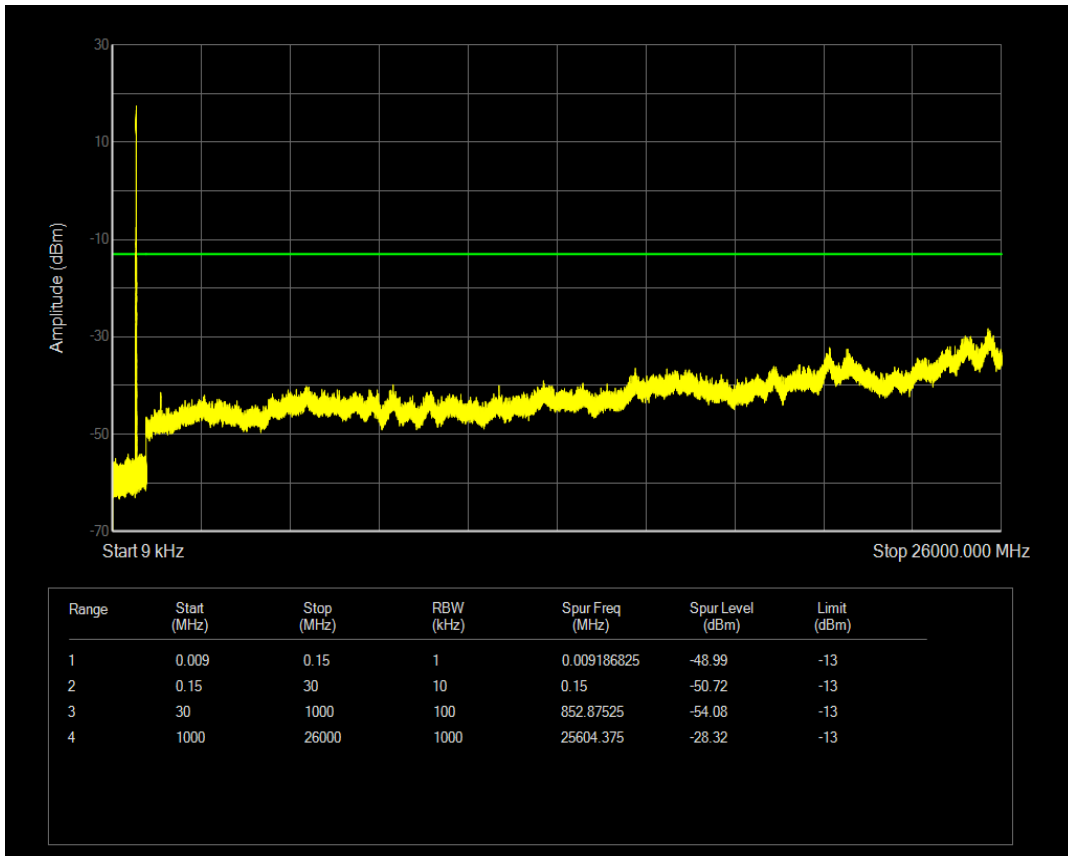
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



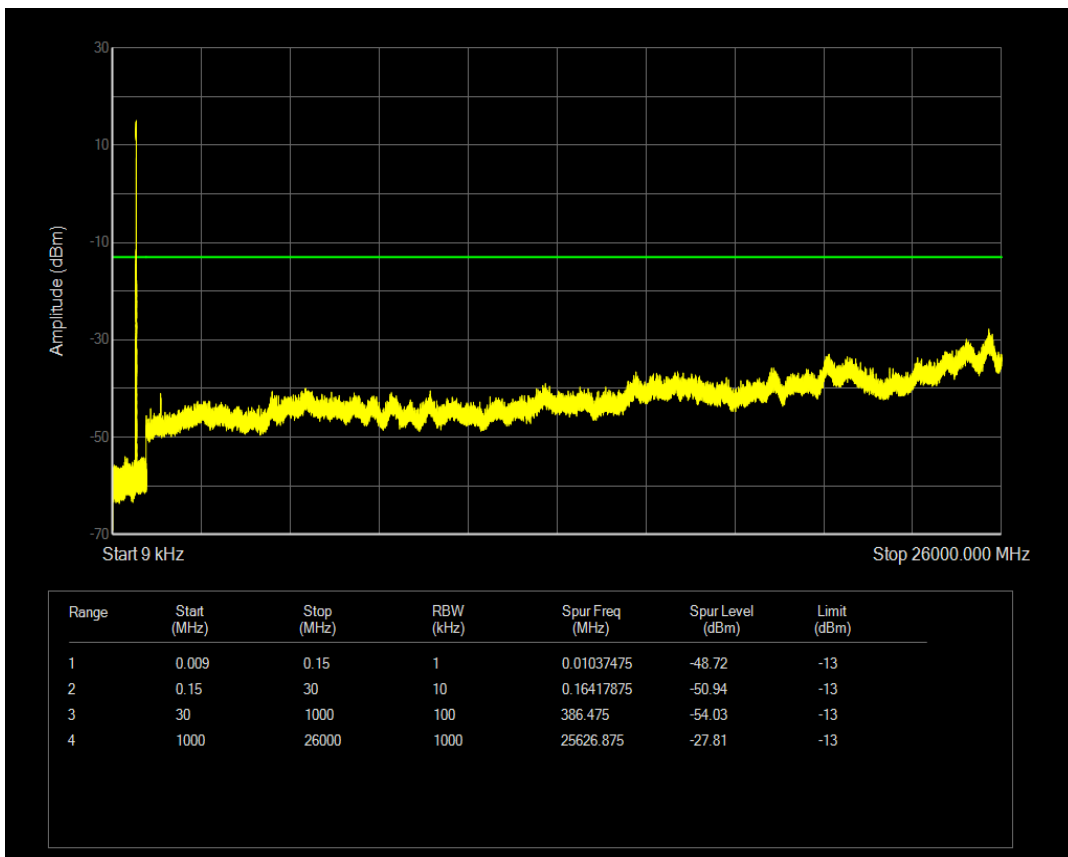
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



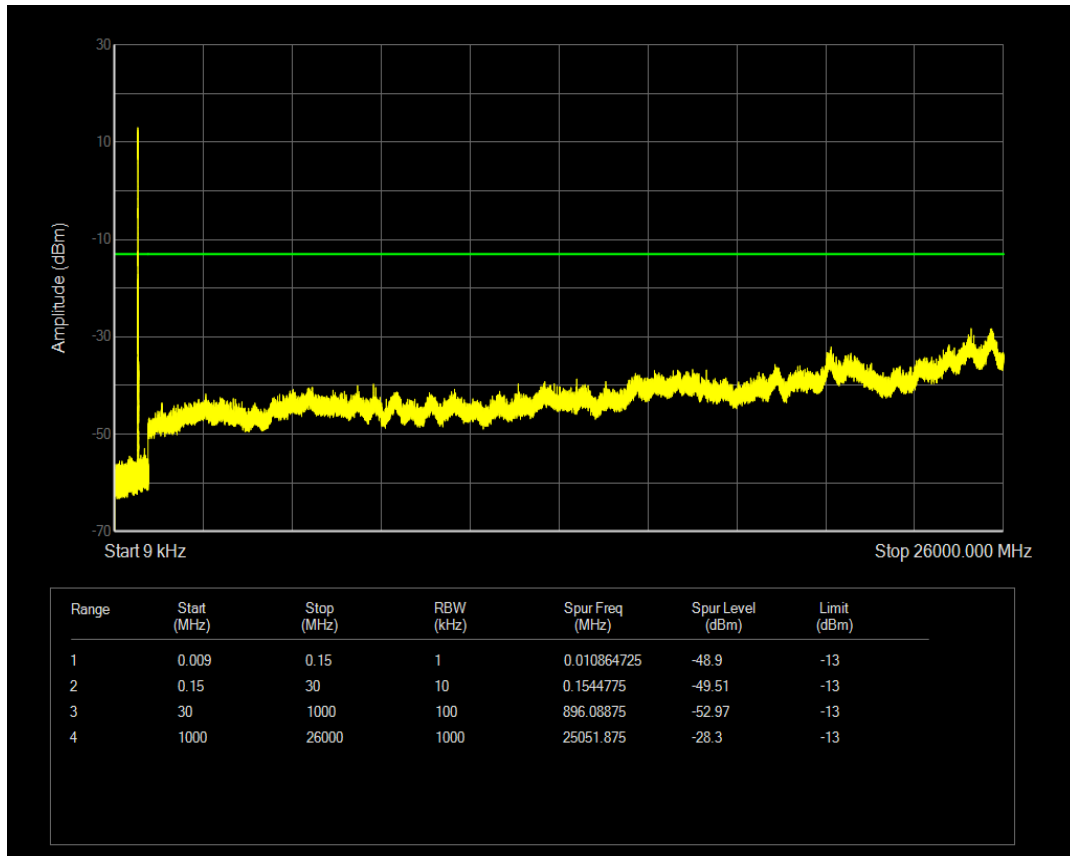
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



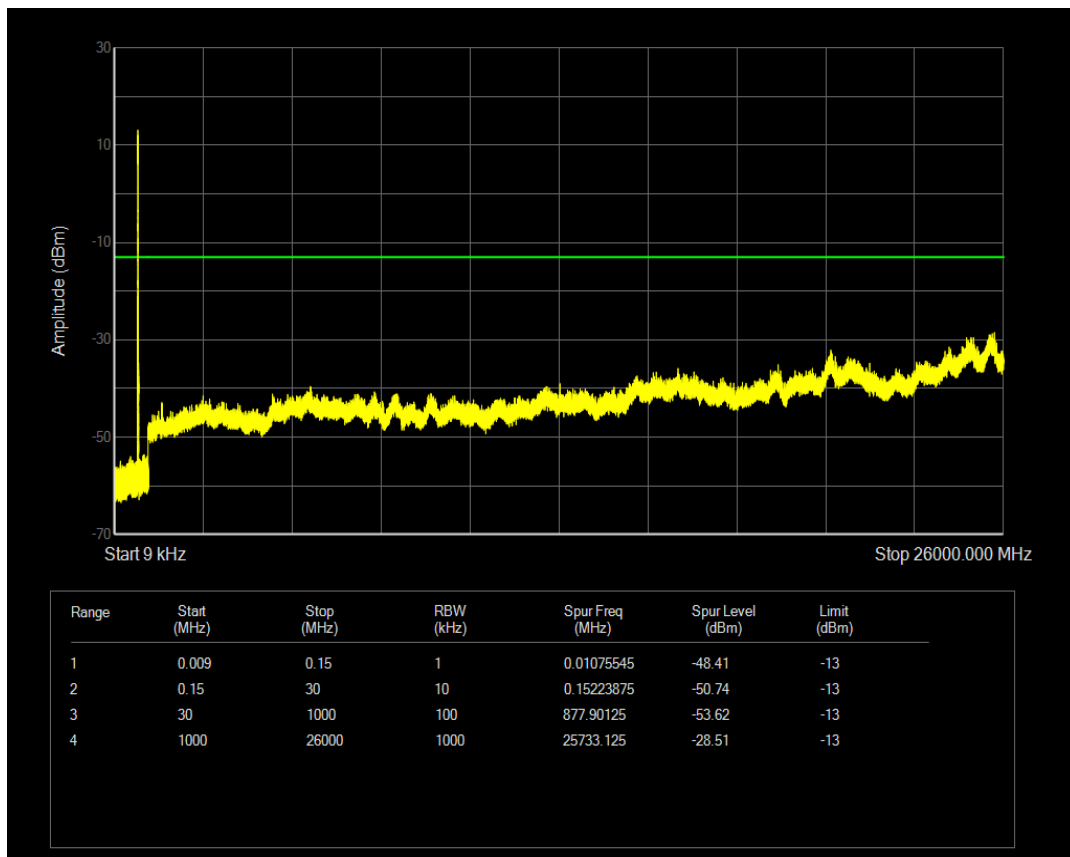
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



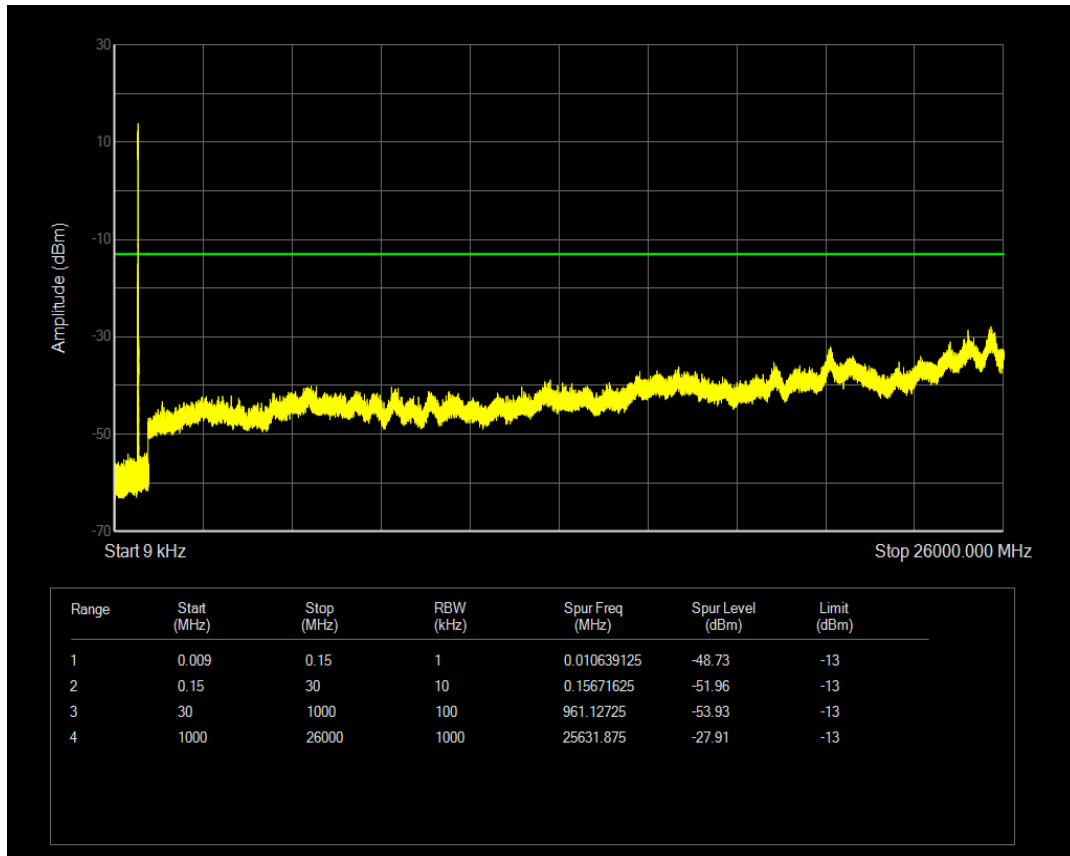
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



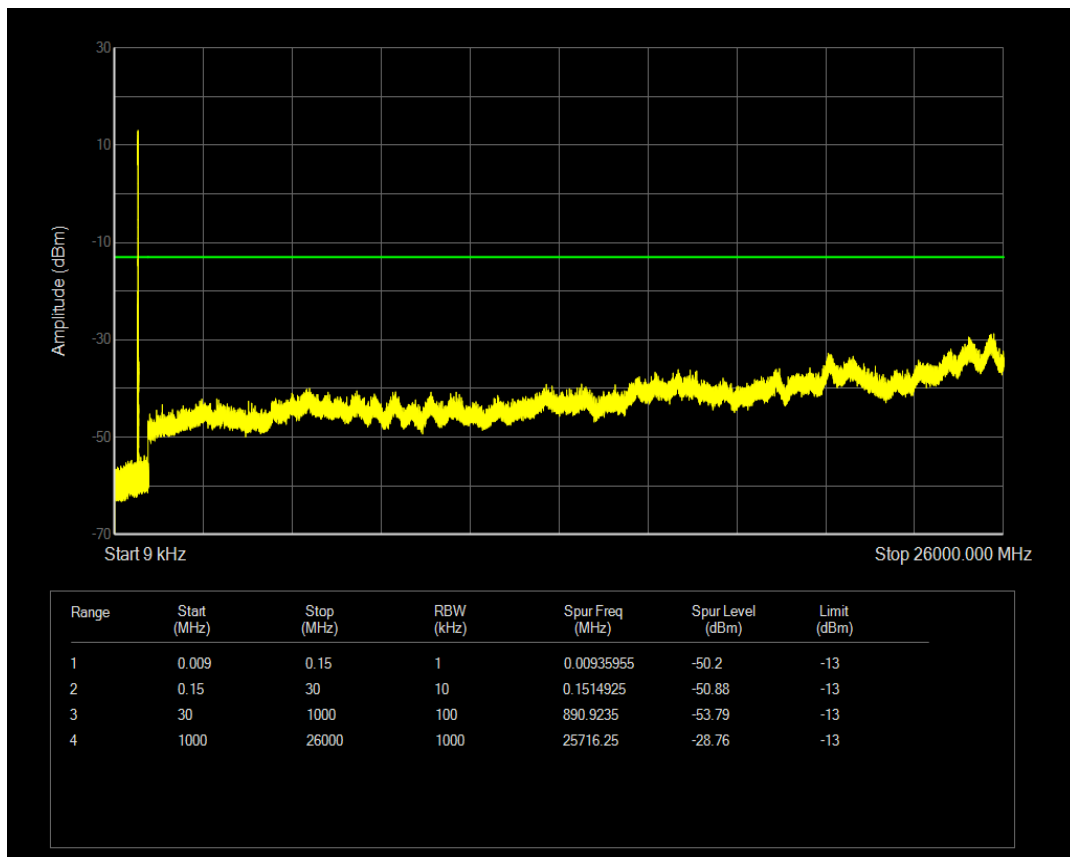
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



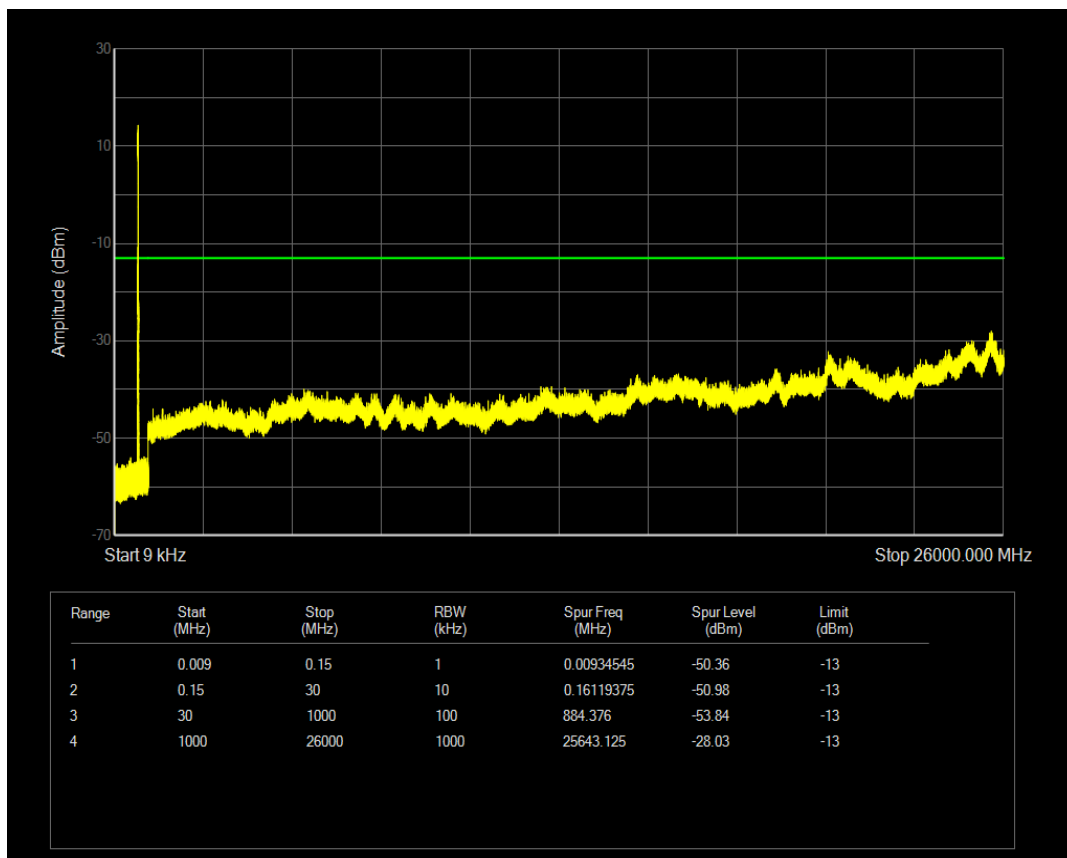
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



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

