

Appendix for Band 12

Report No.: BCTC2502816024-2E

Applicant: BYD Auto Industry Company Limited

Product Name: In-vehicle Multimedia Host

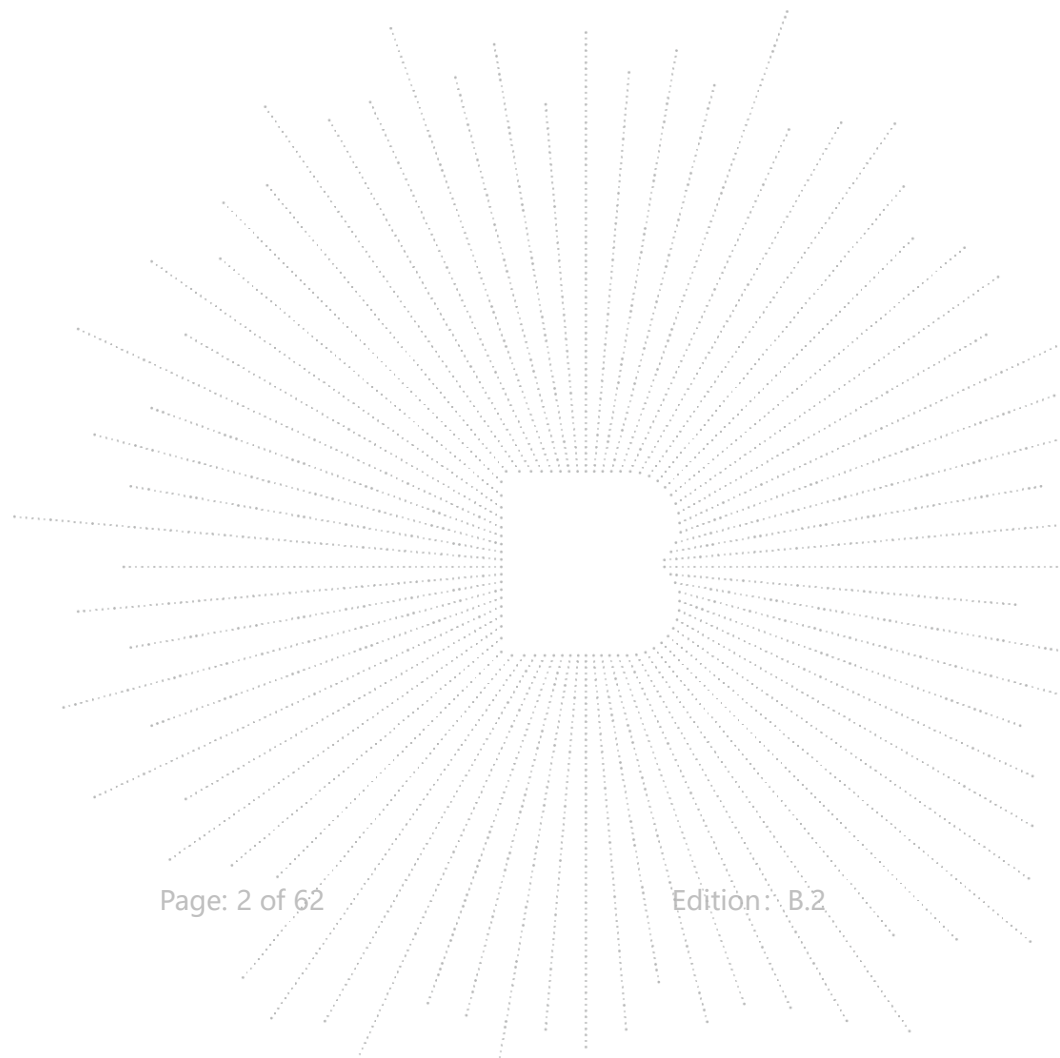
Test Model: MTCV03

Tested Date: 2025-02-24 to 2025-03-06

Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement	3
Appendix 2. Frequency stability.....	8
Appendix 3. Peak-to-Average Ratio	15
Appendix 4. Occupied bandwidth	28
Appendix 5. Band edge	41
Appendix 6. Out-of-band emissions	50



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

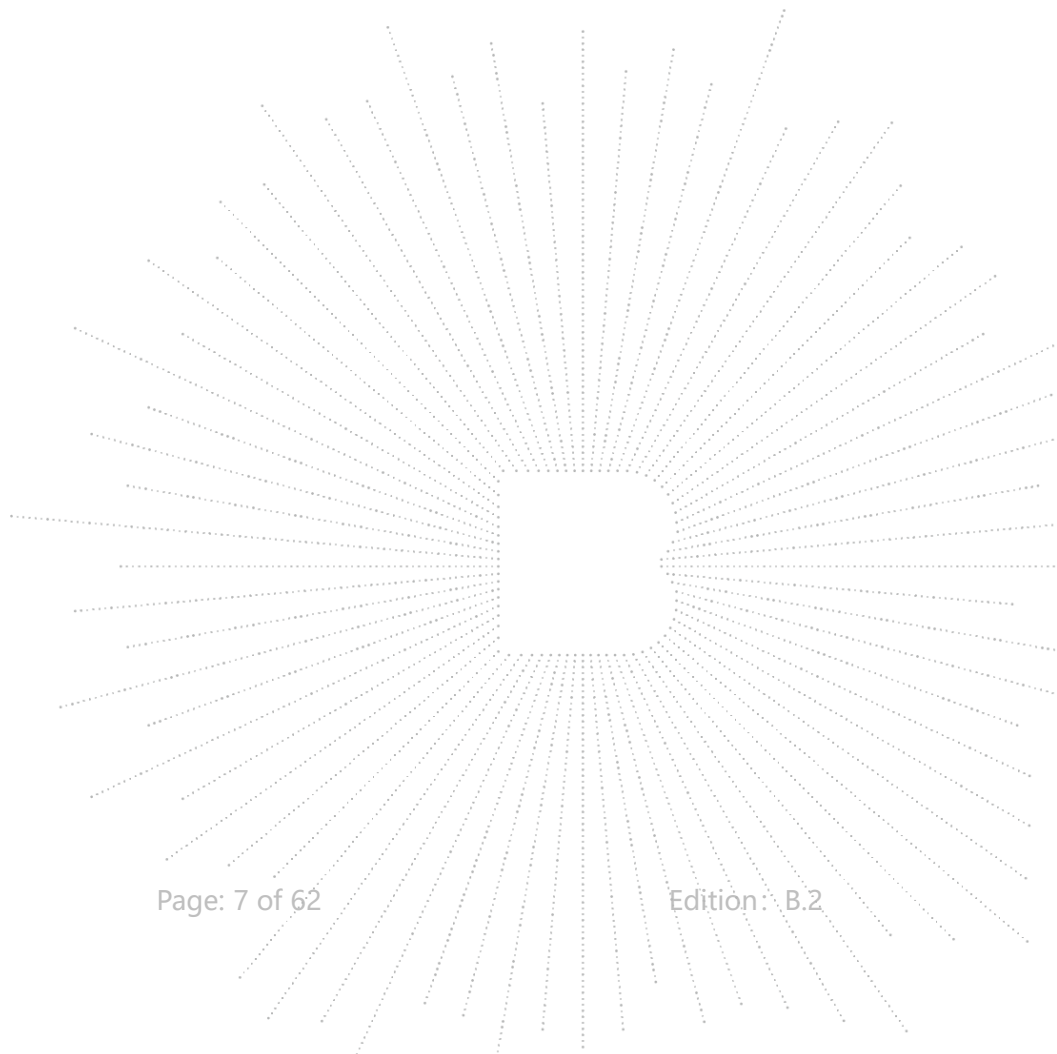
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	22.65	-2.5	18.00	PASS
Band12	1.4	23017	1	#Mid	QPSK	22.75	-2.5	18.10	PASS
Band12	1.4	23017	1	#Max	QPSK	22.65	-2.5	18.00	PASS
Band12	1.4	23017	3	#0	QPSK	22.73	-2.5	18.08	PASS
Band12	1.4	23017	3	#Mid	QPSK	22.77	-2.5	18.12	PASS
Band12	1.4	23017	3	#Max	QPSK	22.74	-2.5	18.09	PASS
Band12	1.4	23017	6	#0	QPSK	21.77	-2.5	17.12	PASS
Band12	1.4	23017	1	#0	16QAM	22.01	-2.5	17.36	PASS
Band12	1.4	23017	1	#Mid	16QAM	22.05	-2.5	17.40	PASS
Band12	1.4	23017	1	#Max	16QAM	22.05	-2.5	17.40	PASS
Band12	1.4	23017	3	#0	16QAM	22.05	-2.5	17.40	PASS
Band12	1.4	23017	3	#Mid	16QAM	22.12	-2.5	17.47	PASS
Band12	1.4	23017	3	#Max	16QAM	22.09	-2.5	17.44	PASS
Band12	1.4	23017	6	#0	16QAM	20.94	-2.5	16.29	PASS
Band12	1.4	23095	1	#0	QPSK	22.80	-2.5	18.15	PASS
Band12	1.4	23095	1	#Mid	QPSK	22.87	-2.5	18.22	PASS
Band12	1.4	23095	1	#Max	QPSK	22.81	-2.5	18.16	PASS
Band12	1.4	23095	3	#0	QPSK	22.85	-2.5	18.20	PASS
Band12	1.4	23095	3	#Mid	QPSK	22.84	-2.5	18.19	PASS
Band12	1.4	23095	3	#Max	QPSK	22.83	-2.5	18.18	PASS
Band12	1.4	23095	6	#0	QPSK	21.83	-2.5	17.18	PASS
Band12	1.4	23095	1	#0	16QAM	21.71	-2.5	17.06	PASS
Band12	1.4	23095	1	#Mid	16QAM	21.84	-2.5	17.19	PASS
Band12	1.4	23095	1	#Max	16QAM	21.76	-2.5	17.11	PASS
Band12	1.4	23095	3	#0	16QAM	22.08	-2.5	17.43	PASS
Band12	1.4	23095	3	#Mid	16QAM	22.15	-2.5	17.50	PASS
Band12	1.4	23095	3	#Max	16QAM	22.09	-2.5	17.44	PASS
Band12	1.4	23095	6	#0	16QAM	21.09	-2.5	16.44	PASS
Band12	1.4	23173	1	#0	QPSK	22.64	-2.5	17.99	PASS
Band12	1.4	23173	1	#Mid	QPSK	22.79	-2.5	18.14	PASS
Band12	1.4	23173	1	#Max	QPSK	22.68	-2.5	18.03	PASS
Band12	1.4	23173	3	#0	QPSK	22.61	-2.5	17.96	PASS
Band12	1.4	23173	3	#Mid	QPSK	22.65	-2.5	18.00	PASS
Band12	1.4	23173	3	#Max	QPSK	22.65	-2.5	18.00	PASS
Band12	1.4	23173	6	#0	QPSK	21.68	-2.5	17.03	PASS
Band12	1.4	23173	1	#0	16QAM	21.83	-2.5	17.18	PASS

Band12	1.4	23173	1	#Mid	16QAM	21.94	-2.5	17.29	PASS
Band12	1.4	23173	1	#Max	16QAM	21.85	-2.5	17.20	PASS
Band12	1.4	23173	3	#0	16QAM	21.90	-2.5	17.25	PASS
Band12	1.4	23173	3	#Mid	16QAM	21.97	-2.5	17.32	PASS
Band12	1.4	23173	3	#Max	16QAM	21.95	-2.5	17.30	PASS
Band12	1.4	23173	6	#0	16QAM	20.90	-2.5	16.25	PASS
Band12	3	23025	1	#0	QPSK	22.62	-2.5	17.97	PASS
Band12	3	23025	1	#Mid	QPSK	22.76	-2.5	18.11	PASS
Band12	3	23025	1	#Max	QPSK	22.69	-2.5	18.04	PASS
Band12	3	23025	8	#0	QPSK	21.82	-2.5	17.17	PASS
Band12	3	23025	8	#Mid	QPSK	21.90	-2.5	17.25	PASS
Band12	3	23025	8	#Max	QPSK	21.88	-2.5	17.23	PASS
Band12	3	23025	15	#0	QPSK	21.86	-2.5	17.21	PASS
Band12	3	23025	1	#0	16QAM	22.18	-2.5	17.53	PASS
Band12	3	23025	1	#Mid	16QAM	22.30	-2.5	17.65	PASS
Band12	3	23025	1	#Max	16QAM	22.27	-2.5	17.62	PASS
Band12	3	23025	8	#0	16QAM	20.91	-2.5	16.26	PASS
Band12	3	23025	8	#Mid	16QAM	20.98	-2.5	16.33	PASS
Band12	3	23025	8	#Max	16QAM	20.93	-2.5	16.28	PASS
Band12	3	23025	15	#0	16QAM	21.00	-2.5	16.35	PASS
Band12	3	23095	1	#0	QPSK	22.68	-2.5	18.03	PASS
Band12	3	23095	1	#Mid	QPSK	22.79	-2.5	18.14	PASS
Band12	3	23095	1	#Max	QPSK	22.75	-2.5	18.10	PASS
Band12	3	23095	8	#0	QPSK	21.90	-2.5	17.25	PASS
Band12	3	23095	8	#Mid	QPSK	21.99	-2.5	17.34	PASS
Band12	3	23095	8	#Max	QPSK	21.92	-2.5	17.27	PASS
Band12	3	23095	15	#0	QPSK	21.94	-2.5	17.29	PASS
Band12	3	23095	1	#0	16QAM	22.05	-2.5	17.40	PASS
Band12	3	23095	1	#Mid	16QAM	22.14	-2.5	17.49	PASS
Band12	3	23095	1	#Max	16QAM	22.10	-2.5	17.45	PASS
Band12	3	23095	8	#0	16QAM	20.93	-2.5	16.28	PASS
Band12	3	23095	8	#Mid	16QAM	21.03	-2.5	16.38	PASS
Band12	3	23095	8	#Max	16QAM	20.97	-2.5	16.32	PASS
Band12	3	23095	15	#0	16QAM	20.96	-2.5	16.31	PASS
Band12	3	23165	1	#0	QPSK	22.72	-2.5	18.07	PASS
Band12	3	23165	1	#Mid	QPSK	22.83	-2.5	18.18	PASS
Band12	3	23165	1	#Max	QPSK	22.76	-2.5	18.11	PASS
Band12	3	23165	8	#0	QPSK	21.80	-2.5	17.15	PASS
Band12	3	23165	8	#Mid	QPSK	21.88	-2.5	17.23	PASS
Band12	3	23165	8	#Max	QPSK	21.84	-2.5	17.19	PASS
Band12	3	23165	15	#0	QPSK	21.90	-2.5	17.25	PASS
Band12	3	23165	1	#0	16QAM	21.69	-2.5	17.04	PASS
Band12	3	23165	1	#Mid	16QAM	21.73	-2.5	17.08	PASS

Band12	3	23165	1	#Max	16QAM	21.63	-2.5	16.98	PASS
Band12	3	23165	8	#0	16QAM	20.86	-2.5	16.21	PASS
Band12	3	23165	8	#Mid	16QAM	20.95	-2.5	16.30	PASS
Band12	3	23165	8	#Max	16QAM	20.85	-2.5	16.20	PASS
Band12	3	23165	15	#0	16QAM	20.97	-2.5	16.32	PASS
Band12	5	23035	1	#0	QPSK	22.67	-2.5	18.02	PASS
Band12	5	23035	1	#Mid	QPSK	22.81	-2.5	18.16	PASS
Band12	5	23035	1	#Max	QPSK	22.79	-2.5	18.14	PASS
Band12	5	23035	12	#0	QPSK	21.79	-2.5	17.14	PASS
Band12	5	23035	12	#Mid	QPSK	21.90	-2.5	17.25	PASS
Band12	5	23035	12	#Max	QPSK	21.87	-2.5	17.22	PASS
Band12	5	23035	25	#0	QPSK	21.88	-2.5	17.23	PASS
Band12	5	23035	1	#0	16QAM	22.28	-2.5	17.63	PASS
Band12	5	23035	1	#Mid	16QAM	22.46	-2.5	17.81	PASS
Band12	5	23035	1	#Max	16QAM	22.43	-2.5	17.78	PASS
Band12	5	23035	12	#0	16QAM	20.84	-2.5	16.19	PASS
Band12	5	23035	12	#Mid	16QAM	20.97	-2.5	16.32	PASS
Band12	5	23035	12	#Max	16QAM	20.95	-2.5	16.30	PASS
Band12	5	23035	25	#0	16QAM	20.90	-2.5	16.25	PASS
Band12	5	23095	1	#0	QPSK	22.75	-2.5	18.10	PASS
Band12	5	23095	1	#Mid	QPSK	22.89	-2.5	18.24	PASS
Band12	5	23095	1	#Max	QPSK	22.85	-2.5	18.20	PASS
Band12	5	23095	12	#0	QPSK	21.85	-2.5	17.20	PASS
Band12	5	23095	12	#Mid	QPSK	21.96	-2.5	17.31	PASS
Band12	5	23095	12	#Max	QPSK	21.93	-2.5	17.28	PASS
Band12	5	23095	25	#0	QPSK	21.95	-2.5	17.30	PASS
Band12	5	23095	1	#0	16QAM	22.13	-2.5	17.48	PASS
Band12	5	23095	1	#Mid	16QAM	22.30	-2.5	17.65	PASS
Band12	5	23095	1	#Max	16QAM	22.27	-2.5	17.62	PASS
Band12	5	23095	12	#0	16QAM	20.86	-2.5	16.21	PASS
Band12	5	23095	12	#Mid	16QAM	21.01	-2.5	16.36	PASS
Band12	5	23095	12	#Max	16QAM	20.92	-2.5	16.27	PASS
Band12	5	23095	25	#0	16QAM	20.97	-2.5	16.32	PASS
Band12	5	23155	1	#0	QPSK	22.69	-2.5	18.04	PASS
Band12	5	23155	1	#Mid	QPSK	22.74	-2.5	18.09	PASS
Band12	5	23155	1	#Max	QPSK	22.66	-2.5	18.01	PASS
Band12	5	23155	12	#0	QPSK	21.83	-2.5	17.18	PASS
Band12	5	23155	12	#Mid	QPSK	21.95	-2.5	17.30	PASS
Band12	5	23155	12	#Max	QPSK	21.86	-2.5	17.21	PASS
Band12	5	23155	25	#0	QPSK	21.88	-2.5	17.23	PASS
Band12	5	23155	1	#0	16QAM	22.18	-2.5	17.53	PASS
Band12	5	23155	1	#Mid	16QAM	22.21	-2.5	17.56	PASS
Band12	5	23155	1	#Max	16QAM	22.13	-2.5	17.48	PASS

Band12	5	23155	12	#0	16QAM	20.89	-2.5	16.24	PASS
Band12	5	23155	12	#Mid	16QAM	20.98	-2.5	16.33	PASS
Band12	5	23155	12	#Max	16QAM	20.94	-2.5	16.29	PASS
Band12	5	23155	25	#0	16QAM	20.89	-2.5	16.24	PASS
Band12	10	23060	1	#0	QPSK	22.56	-2.5	17.91	PASS
Band12	10	23060	1	#Mid	QPSK	22.43	-2.5	17.78	PASS
Band12	10	23060	1	#Max	QPSK	22.64	-2.5	17.99	PASS
Band12	10	23060	25	#0	QPSK	21.89	-2.5	17.24	PASS
Band12	10	23060	25	#Mid	QPSK	21.92	-2.5	17.27	PASS
Band12	10	23060	25	#Max	QPSK	21.95	-2.5	17.30	PASS
Band12	10	23060	50	#0	QPSK	21.91	-2.5	17.26	PASS
Band12	10	23060	1	#0	16QAM	22.11	-2.5	17.46	PASS
Band12	10	23060	1	#Mid	16QAM	22.11	-2.5	17.46	PASS
Band12	10	23060	1	#Max	16QAM	22.13	-2.5	17.48	PASS
Band12	10	23060	25	#0	16QAM	20.97	-2.5	16.32	PASS
Band12	10	23060	25	#Mid	16QAM	20.99	-2.5	16.34	PASS
Band12	10	23060	25	#Max	16QAM	20.97	-2.5	16.32	PASS
Band12	10	23060	50	#0	16QAM	20.94	-2.5	16.29	PASS
Band12	10	23095	1	#0	QPSK	22.69	-2.5	18.04	PASS
Band12	10	23095	1	#Mid	QPSK	22.56	-2.5	17.91	PASS
Band12	10	23095	1	#Max	QPSK	22.59	-2.5	17.94	PASS
Band12	10	23095	25	#0	QPSK	21.93	-2.5	17.28	PASS
Band12	10	23095	25	#Mid	QPSK	21.95	-2.5	17.30	PASS
Band12	10	23095	25	#Max	QPSK	21.92	-2.5	17.27	PASS
Band12	10	23095	50	#0	QPSK	21.90	-2.5	17.25	PASS
Band12	10	23095	1	#0	16QAM	22.01	-2.5	17.36	PASS
Band12	10	23095	1	#Mid	16QAM	21.91	-2.5	17.26	PASS
Band12	10	23095	1	#Max	16QAM	21.94	-2.5	17.29	PASS
Band12	10	23095	25	#0	16QAM	20.94	-2.5	16.29	PASS
Band12	10	23095	25	#Mid	16QAM	20.96	-2.5	16.31	PASS
Band12	10	23095	25	#Max	16QAM	20.94	-2.5	16.29	PASS
Band12	10	23095	50	#0	16QAM	20.96	-2.5	16.31	PASS
Band12	10	23130	1	#0	QPSK	22.82	-2.5	18.17	PASS
Band12	10	23130	1	#Mid	QPSK	22.63	-2.5	17.98	PASS
Band12	10	23130	1	#Max	QPSK	22.64	-2.5	17.99	PASS
Band12	10	23130	25	#0	QPSK	21.90	-2.5	17.25	PASS
Band12	10	23130	25	#Mid	QPSK	21.89	-2.5	17.24	PASS
Band12	10	23130	25	#Max	QPSK	21.88	-2.5	17.23	PASS
Band12	10	23130	50	#0	QPSK	21.87	-2.5	17.22	PASS
Band12	10	23130	1	#0	16QAM	21.75	-2.5	17.10	PASS
Band12	10	23130	1	#Mid	16QAM	21.54	-2.5	16.89	PASS
Band12	10	23130	1	#Max	16QAM	21.52	-2.5	16.87	PASS
Band12	10	23130	25	#0	16QAM	20.98	-2.5	16.33	PASS

Band12	10	23130	25	#Mid	16QAM	20.95	-2.5	16.30	PASS
Band12	10	23130	25	#Max	16QAM	20.88	-2.5	16.23	PASS
Band12	10	23130	50	#0	16QAM	20.92	-2.5	16.27	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	5.81	0.008	PASS
Band12	1.4	23017	6	#0	QPSK	NV	NT	6.35	0.009	PASS
Band12	1.4	23017	6	#0	QPSK	HV	NT	2.30	0.003	PASS
Band12	1.4	23017	6	#0	16QAM	LV	NT	3.65	0.005	PASS
Band12	1.4	23017	6	#0	16QAM	NV	NT	3.82	0.005	PASS
Band12	1.4	23017	6	#0	16QAM	HV	NT	3.60	0.005	PASS
Band12	1.4	23095	6	#0	QPSK	LV	NT	-11.64	-0.016	PASS
Band12	1.4	23095	6	#0	QPSK	NV	NT	-7.17	-0.010	PASS
Band12	1.4	23095	6	#0	QPSK	HV	NT	-8.35	-0.012	PASS
Band12	1.4	23095	6	#0	16QAM	LV	NT	-9.67	-0.014	PASS
Band12	1.4	23095	6	#0	16QAM	NV	NT	-10.26	-0.015	PASS
Band12	1.4	23095	6	#0	16QAM	HV	NT	-2.82	-0.004	PASS
Band12	1.4	23173	6	#0	QPSK	LV	NT	10.93	0.015	PASS
Band12	1.4	23173	6	#0	QPSK	NV	NT	9.57	0.013	PASS
Band12	1.4	23173	6	#0	QPSK	HV	NT	9.58	0.013	PASS
Band12	1.4	23173	6	#0	16QAM	LV	NT	9.64	0.013	PASS
Band12	1.4	23173	6	#0	16QAM	NV	NT	9.08	0.013	PASS
Band12	1.4	23173	6	#0	16QAM	HV	NT	6.32	0.009	PASS
Band12	3	23025	15	#0	QPSK	LV	NT	-0.47	-0.001	PASS
Band12	3	23025	15	#0	QPSK	NV	NT	3.16	0.005	PASS
Band12	3	23025	15	#0	QPSK	HV	NT	2.82	0.004	PASS
Band12	3	23025	15	#0	16QAM	LV	NT	-1.22	-0.002	PASS
Band12	3	23025	15	#0	16QAM	NV	NT	2.30	0.003	PASS
Band12	3	23025	15	#0	16QAM	HV	NT	3.73	0.005	PASS
Band12	3	23095	15	#0	QPSK	LV	NT	-0.67	-0.001	PASS
Band12	3	23095	15	#0	QPSK	NV	NT	-2.10	-0.003	PASS
Band12	3	23095	15	#0	QPSK	HV	NT	-2.39	-0.003	PASS
Band12	3	23095	15	#0	16QAM	LV	NT	2.26	0.003	PASS
Band12	3	23095	15	#0	16QAM	NV	NT	1.70	0.002	PASS
Band12	3	23095	15	#0	16QAM	HV	NT	0.23	0.000	PASS
Band12	3	23165	15	#0	QPSK	LV	NT	-1.36	-0.002	PASS
Band12	3	23165	15	#0	QPSK	NV	NT	-1.43	-0.002	PASS
Band12	3	23165	15	#0	QPSK	HV	NT	-1.47	-0.002	PASS
Band12	3	23165	15	#0	16QAM	LV	NT	-1.54	-0.002	PASS
Band12	3	23165	15	#0	16QAM	NV	NT	-2.15	-0.003	PASS
Band12	3	23165	15	#0	16QAM	HV	NT	-2.46	-0.003	PASS
Band12	5	23035	25	#0	QPSK	LV	NT	-0.34	0.000	PASS
Band12	5	23035	25	#0	QPSK	NV	NT	2.43	0.003	PASS

Band12	5	23035	25	#0	QPSK	HV	NT	2.12	0.003	PASS
Band12	5	23035	25	#0	16QAM	LV	NT	3.56	0.005	PASS
Band12	5	23035	25	#0	16QAM	NV	NT	2.88	0.004	PASS
Band12	5	23035	25	#0	16QAM	HV	NT	1.16	0.002	PASS
Band12	5	23095	25	#0	QPSK	LV	NT	-1.34	-0.002	PASS
Band12	5	23095	25	#0	QPSK	NV	NT	-2.33	-0.003	PASS
Band12	5	23095	25	#0	QPSK	HV	NT	-0.20	0.000	PASS
Band12	5	23095	25	#0	16QAM	LV	NT	3.08	0.004	PASS
Band12	5	23095	25	#0	16QAM	NV	NT	3.16	0.004	PASS
Band12	5	23095	25	#0	16QAM	HV	NT	1.30	0.002	PASS
Band12	5	23155	25	#0	QPSK	LV	NT	1.33	0.002	PASS
Band12	5	23155	25	#0	QPSK	NV	NT	1.43	0.002	PASS
Band12	5	23155	25	#0	QPSK	HV	NT	0.89	0.001	PASS
Band12	5	23155	25	#0	16QAM	LV	NT	0.80	0.001	PASS
Band12	5	23155	25	#0	16QAM	NV	NT	0.39	0.001	PASS
Band12	5	23155	25	#0	16QAM	HV	NT	-0.33	0.000	PASS
Band12	10	23060	50	#0	QPSK	LV	NT	0.79	0.001	PASS
Band12	10	23060	50	#0	QPSK	NV	NT	-3.19	-0.005	PASS
Band12	10	23060	50	#0	QPSK	HV	NT	-1.89	-0.003	PASS
Band12	10	23060	50	#0	16QAM	LV	NT	-2.59	-0.004	PASS
Band12	10	23060	50	#0	16QAM	NV	NT	-4.03	-0.006	PASS
Band12	10	23060	50	#0	16QAM	HV	NT	1.93	0.003	PASS
Band12	10	23095	50	#0	QPSK	LV	NT	0.97	0.001	PASS
Band12	10	23095	50	#0	QPSK	NV	NT	0.21	0.000	PASS
Band12	10	23095	50	#0	QPSK	HV	NT	-1.17	-0.002	PASS
Band12	10	23095	50	#0	16QAM	LV	NT	-3.06	-0.004	PASS
Band12	10	23095	50	#0	16QAM	NV	NT	-0.92	-0.001	PASS
Band12	10	23095	50	#0	16QAM	HV	NT	2.69	0.004	PASS
Band12	10	23130	50	#0	QPSK	LV	NT	0.99	0.001	PASS
Band12	10	23130	50	#0	QPSK	NV	NT	0.76	0.001	PASS
Band12	10	23130	50	#0	QPSK	HV	NT	0.09	0.000	PASS
Band12	10	23130	50	#0	16QAM	LV	NT	-0.83	-0.001	PASS
Band12	10	23130	50	#0	16QAM	NV	NT	-2.40	-0.003	PASS
Band12	10	23130	50	#0	16QAM	HV	NT	-3.46	-0.005	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	-23.36	-0.033	PASS
Band12	1.4	23017	6	#0	QPSK	NV	-20	-21.50	-0.031	PASS
Band12	1.4	23017	6	#0	QPSK	NV	-10	-18.97	-0.027	PASS
Band12	1.4	23017	6	#0	QPSK	NV	0	-15.25	-0.022	PASS
Band12	1.4	23017	6	#0	QPSK	NV	10	-16.12	-0.023	PASS
Band12	1.4	23017	6	#0	QPSK	NV	20	-13.88	-0.020	PASS

Band12	1.4	23017	6	#0	QPSK	NV	30	-9.44	-0.013	PASS
Band12	1.4	23017	6	#0	QPSK	NV	40	-11.03	-0.016	PASS
Band12	1.4	23017	6	#0	QPSK	NV	50	-10.34	-0.015	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-30	-9.27	-0.013	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-20	-7.22	-0.010	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-10	-4.75	-0.007	PASS
Band12	1.4	23017	6	#0	16QAM	NV	0	-2.07	-0.003	PASS
Band12	1.4	23017	6	#0	16QAM	NV	10	-5.91	-0.008	PASS
Band12	1.4	23017	6	#0	16QAM	NV	20	-5.12	-0.007	PASS
Band12	1.4	23017	6	#0	16QAM	NV	30	-0.62	-0.001	PASS
Band12	1.4	23017	6	#0	16QAM	NV	40	-4.95	-0.007	PASS
Band12	1.4	23017	6	#0	16QAM	NV	50	-0.74	-0.001	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-30	-12.26	-0.017	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-20	-11.73	-0.017	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-10	-10.30	-0.015	PASS
Band12	1.4	23095	6	#0	QPSK	NV	0	-14.16	-0.020	PASS
Band12	1.4	23095	6	#0	QPSK	NV	10	-17.18	-0.024	PASS
Band12	1.4	23095	6	#0	QPSK	NV	20	-19.84	-0.028	PASS
Band12	1.4	23095	6	#0	QPSK	NV	30	-23.26	-0.033	PASS
Band12	1.4	23095	6	#0	QPSK	NV	40	-20.03	-0.028	PASS
Band12	1.4	23095	6	#0	QPSK	NV	50	-18.67	-0.026	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-30	-21.96	-0.031	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-20	-16.99	-0.024	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-10	-16.75	-0.024	PASS
Band12	1.4	23095	6	#0	16QAM	NV	0	-16.92	-0.024	PASS
Band12	1.4	23095	6	#0	16QAM	NV	10	-11.82	-0.017	PASS
Band12	1.4	23095	6	#0	16QAM	NV	20	-13.45	-0.019	PASS
Band12	1.4	23095	6	#0	16QAM	NV	30	-14.16	-0.020	PASS
Band12	1.4	23095	6	#0	16QAM	NV	40	-6.38	-0.009	PASS
Band12	1.4	23095	6	#0	16QAM	NV	50	-7.22	-0.010	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-30	4.29	0.006	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-20	3.36	0.005	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-10	4.79	0.007	PASS
Band12	1.4	23173	6	#0	QPSK	NV	0	5.18	0.007	PASS
Band12	1.4	23173	6	#0	QPSK	NV	10	10.30	0.014	PASS
Band12	1.4	23173	6	#0	QPSK	NV	20	10.93	0.015	PASS
Band12	1.4	23173	6	#0	QPSK	NV	30	12.16	0.017	PASS
Band12	1.4	23173	6	#0	QPSK	NV	40	11.20	0.016	PASS
Band12	1.4	23173	6	#0	QPSK	NV	50	11.53	0.016	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-30	13.29	0.019	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-20	13.20	0.018	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-10	12.66	0.018	PASS
Band12	1.4	23173	6	#0	16QAM	NV	0	15.16	0.021	PASS

Band12	1.4	23173	6	#0	16QAM	NV	10	7.71	0.011	PASS
Band12	1.4	23173	6	#0	16QAM	NV	20	6.69	0.009	PASS
Band12	1.4	23173	6	#0	16QAM	NV	30	7.50	0.010	PASS
Band12	1.4	23173	6	#0	16QAM	NV	40	6.31	0.009	PASS
Band12	1.4	23173	6	#0	16QAM	NV	50	6.29	0.009	PASS
Band12	3	23025	15	#0	QPSK	NV	-30	-1.06	-0.002	PASS
Band12	3	23025	15	#0	QPSK	NV	-20	0.67	0.001	PASS
Band12	3	23025	15	#0	QPSK	NV	-10	1.60	0.002	PASS
Band12	3	23025	15	#0	QPSK	NV	0	1.10	0.002	PASS
Band12	3	23025	15	#0	QPSK	NV	10	-0.07	0.000	PASS
Band12	3	23025	15	#0	QPSK	NV	20	-1.53	-0.002	PASS
Band12	3	23025	15	#0	QPSK	NV	30	1.16	0.002	PASS
Band12	3	23025	15	#0	QPSK	NV	40	3.19	0.005	PASS
Band12	3	23025	15	#0	QPSK	NV	50	0.46	0.001	PASS
Band12	3	23025	15	#0	16QAM	NV	-30	-2.70	-0.004	PASS
Band12	3	23025	15	#0	16QAM	NV	-20	3.99	0.006	PASS
Band12	3	23025	15	#0	16QAM	NV	-10	1.52	0.002	PASS
Band12	3	23025	15	#0	16QAM	NV	0	-0.30	0.000	PASS
Band12	3	23025	15	#0	16QAM	NV	10	-2.89	-0.004	PASS
Band12	3	23025	15	#0	16QAM	NV	20	-3.39	-0.005	PASS
Band12	3	23025	15	#0	16QAM	NV	30	3.40	0.005	PASS
Band12	3	23025	15	#0	16QAM	NV	40	2.02	0.003	PASS
Band12	3	23025	15	#0	16QAM	NV	50	0.59	0.001	PASS
Band12	3	23095	15	#0	QPSK	NV	-30	3.22	0.005	PASS
Band12	3	23095	15	#0	QPSK	NV	-20	2.75	0.004	PASS
Band12	3	23095	15	#0	QPSK	NV	-10	2.06	0.003	PASS
Band12	3	23095	15	#0	QPSK	NV	0	0.19	0.000	PASS
Band12	3	23095	15	#0	QPSK	NV	10	-0.36	-0.001	PASS
Band12	3	23095	15	#0	QPSK	NV	20	-1.76	-0.002	PASS
Band12	3	23095	15	#0	QPSK	NV	30	-2.88	-0.004	PASS
Band12	3	23095	15	#0	QPSK	NV	40	-3.18	-0.004	PASS
Band12	3	23095	15	#0	QPSK	NV	50	1.85	0.003	PASS
Band12	3	23095	15	#0	16QAM	NV	-30	2.27	0.003	PASS
Band12	3	23095	15	#0	16QAM	NV	-20	1.14	0.002	PASS
Band12	3	23095	15	#0	16QAM	NV	-10	0.29	0.000	PASS
Band12	3	23095	15	#0	16QAM	NV	0	-0.60	-0.001	PASS
Band12	3	23095	15	#0	16QAM	NV	10	-0.93	-0.001	PASS
Band12	3	23095	15	#0	16QAM	NV	20	-1.50	-0.002	PASS
Band12	3	23095	15	#0	16QAM	NV	30	-1.63	-0.002	PASS
Band12	3	23095	15	#0	16QAM	NV	40	-1.79	-0.003	PASS
Band12	3	23095	15	#0	16QAM	NV	50	-1.99	-0.003	PASS
Band12	3	23165	15	#0	QPSK	NV	-30	2.73	0.004	PASS
Band12	3	23165	15	#0	QPSK	NV	-20	3.10	0.004	PASS

Band12	3	23165	15	#0	QPSK	NV	-10	1.60	0.002	PASS
Band12	3	23165	15	#0	QPSK	NV	0	-3.13	-0.004	PASS
Band12	3	23165	15	#0	QPSK	NV	10	-0.97	-0.001	PASS
Band12	3	23165	15	#0	QPSK	NV	20	-3.79	-0.005	PASS
Band12	3	23165	15	#0	QPSK	NV	30	-1.46	-0.002	PASS
Band12	3	23165	15	#0	QPSK	NV	40	1.89	0.003	PASS
Band12	3	23165	15	#0	QPSK	NV	50	-0.56	-0.001	PASS
Band12	3	23165	15	#0	16QAM	NV	-30	-1.63	-0.002	PASS
Band12	3	23165	15	#0	16QAM	NV	-20	2.26	0.003	PASS
Band12	3	23165	15	#0	16QAM	NV	-10	2.59	0.004	PASS
Band12	3	23165	15	#0	16QAM	NV	0	1.89	0.003	PASS
Band12	3	23165	15	#0	16QAM	NV	10	1.16	0.002	PASS
Band12	3	23165	15	#0	16QAM	NV	20	1.22	0.002	PASS
Band12	3	23165	15	#0	16QAM	NV	30	-1.52	-0.002	PASS
Band12	3	23165	15	#0	16QAM	NV	40	-2.10	-0.003	PASS
Band12	3	23165	15	#0	16QAM	NV	50	-1.62	-0.002	PASS
Band12	5	23035	25	#0	QPSK	NV	-30	-3.43	-0.005	PASS
Band12	5	23035	25	#0	QPSK	NV	-20	-1.65	-0.002	PASS
Band12	5	23035	25	#0	QPSK	NV	-10	-0.70	-0.001	PASS
Band12	5	23035	25	#0	QPSK	NV	0	-0.46	-0.001	PASS
Band12	5	23035	25	#0	QPSK	NV	10	-1.27	-0.002	PASS
Band12	5	23035	25	#0	QPSK	NV	20	-2.70	-0.004	PASS
Band12	5	23035	25	#0	QPSK	NV	30	-4.58	-0.007	PASS
Band12	5	23035	25	#0	QPSK	NV	40	-0.82	-0.001	PASS
Band12	5	23035	25	#0	QPSK	NV	50	0.74	0.001	PASS
Band12	5	23035	25	#0	16QAM	NV	-30	-1.29	-0.002	PASS
Band12	5	23035	25	#0	16QAM	NV	-20	-3.35	-0.005	PASS
Band12	5	23035	25	#0	16QAM	NV	-10	4.22	0.006	PASS
Band12	5	23035	25	#0	16QAM	NV	0	2.55	0.004	PASS
Band12	5	23035	25	#0	16QAM	NV	10	1.19	0.002	PASS
Band12	5	23035	25	#0	16QAM	NV	20	0.04	0.000	PASS
Band12	5	23035	25	#0	16QAM	NV	30	-1.10	-0.002	PASS
Band12	5	23035	25	#0	16QAM	NV	40	-1.53	-0.002	PASS
Band12	5	23035	25	#0	16QAM	NV	50	-2.00	-0.003	PASS
Band12	5	23095	25	#0	QPSK	NV	-30	-2.92	-0.004	PASS
Band12	5	23095	25	#0	QPSK	NV	-20	-3.83	-0.005	PASS
Band12	5	23095	25	#0	QPSK	NV	-10	-4.06	-0.006	PASS
Band12	5	23095	25	#0	QPSK	NV	0	-4.48	-0.006	PASS
Band12	5	23095	25	#0	QPSK	NV	10	-2.63	-0.004	PASS
Band12	5	23095	25	#0	QPSK	NV	20	1.96	0.003	PASS
Band12	5	23095	25	#0	QPSK	NV	30	1.32	0.002	PASS
Band12	5	23095	25	#0	QPSK	NV	40	-0.24	0.000	PASS
Band12	5	23095	25	#0	QPSK	NV	50	-1.57	-0.002	PASS

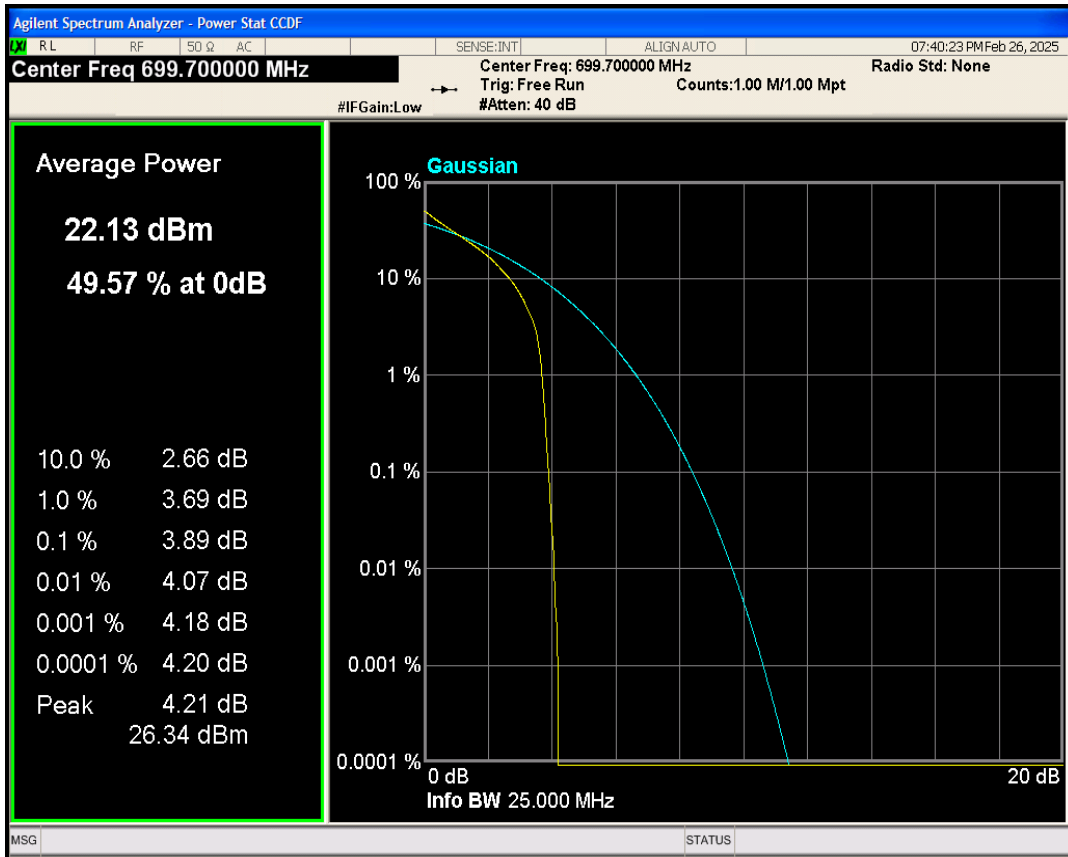
Band12	5	23095	25	#0	16QAM	NV	-30	-2.79	-0.004	PASS
Band12	5	23095	25	#0	16QAM	NV	-20	-4.02	-0.006	PASS
Band12	5	23095	25	#0	16QAM	NV	-10	-3.36	-0.005	PASS
Band12	5	23095	25	#0	16QAM	NV	0	-2.02	-0.003	PASS
Band12	5	23095	25	#0	16QAM	NV	10	0.83	0.001	PASS
Band12	5	23095	25	#0	16QAM	NV	20	3.09	0.004	PASS
Band12	5	23095	25	#0	16QAM	NV	30	3.19	0.005	PASS
Band12	5	23095	25	#0	16QAM	NV	40	2.70	0.004	PASS
Band12	5	23095	25	#0	16QAM	NV	50	3.02	0.004	PASS
Band12	5	23155	25	#0	QPSK	NV	-30	1.89	0.003	PASS
Band12	5	23155	25	#0	QPSK	NV	-20	2.83	0.004	PASS
Band12	5	23155	25	#0	QPSK	NV	-10	3.23	0.005	PASS
Band12	5	23155	25	#0	QPSK	NV	0	3.10	0.004	PASS
Band12	5	23155	25	#0	QPSK	NV	10	2.00	0.003	PASS
Band12	5	23155	25	#0	QPSK	NV	20	0.74	0.001	PASS
Band12	5	23155	25	#0	QPSK	NV	30	3.81	0.005	PASS
Band12	5	23155	25	#0	QPSK	NV	40	3.15	0.004	PASS
Band12	5	23155	25	#0	QPSK	NV	50	2.96	0.004	PASS
Band12	5	23155	25	#0	16QAM	NV	-30	2.62	0.004	PASS
Band12	5	23155	25	#0	16QAM	NV	-20	2.27	0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	-10	2.15	0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	0	2.35	0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	10	1.96	0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	20	2.15	0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	30	2.52	0.004	PASS
Band12	5	23155	25	#0	16QAM	NV	40	2.96	0.004	PASS
Band12	5	23155	25	#0	16QAM	NV	50	2.12	0.003	PASS
Band12	10	23060	50	#0	QPSK	NV	-30	-2.17	-0.003	PASS
Band12	10	23060	50	#0	QPSK	NV	-20	-0.06	0.000	PASS
Band12	10	23060	50	#0	QPSK	NV	-10	0.94	0.001	PASS
Band12	10	23060	50	#0	QPSK	NV	0	0.39	0.001	PASS
Band12	10	23060	50	#0	QPSK	NV	10	-1.12	-0.002	PASS
Band12	10	23060	50	#0	QPSK	NV	20	-3.13	-0.004	PASS
Band12	10	23060	50	#0	QPSK	NV	30	3.49	0.005	PASS
Band12	10	23060	50	#0	QPSK	NV	40	1.49	0.002	PASS
Band12	10	23060	50	#0	QPSK	NV	50	-0.34	0.000	PASS
Band12	10	23060	50	#0	16QAM	NV	-30	-2.27	-0.003	PASS
Band12	10	23060	50	#0	16QAM	NV	-20	3.43	0.005	PASS
Band12	10	23060	50	#0	16QAM	NV	-10	2.33	0.003	PASS
Band12	10	23060	50	#0	16QAM	NV	0	1.14	0.002	PASS
Band12	10	23060	50	#0	16QAM	NV	10	-0.06	0.000	PASS
Band12	10	23060	50	#0	16QAM	NV	20	-0.66	-0.001	PASS
Band12	10	23060	50	#0	16QAM	NV	30	-0.94	-0.001	PASS

Band12	10	23060	50	#0	16QAM	NV	40	-0.84	-0.001	PASS
Band12	10	23060	50	#0	16QAM	NV	50	-1.77	-0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	-30	-2.10	-0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	-20	0.30	0.000	PASS
Band12	10	23095	50	#0	QPSK	NV	-10	1.04	0.001	PASS
Band12	10	23095	50	#0	QPSK	NV	0	0.97	0.001	PASS
Band12	10	23095	50	#0	QPSK	NV	10	-0.06	0.000	PASS
Band12	10	23095	50	#0	QPSK	NV	20	-1.42	-0.002	PASS
Band12	10	23095	50	#0	QPSK	NV	30	-2.72	-0.004	PASS
Band12	10	23095	50	#0	QPSK	NV	40	-4.01	-0.006	PASS
Band12	10	23095	50	#0	QPSK	NV	50	-4.05	-0.006	PASS
Band12	10	23095	50	#0	16QAM	NV	-30	-4.23	-0.006	PASS
Band12	10	23095	50	#0	16QAM	NV	-20	0.36	0.001	PASS
Band12	10	23095	50	#0	16QAM	NV	-10	0.87	0.001	PASS
Band12	10	23095	50	#0	16QAM	NV	0	0.63	0.001	PASS
Band12	10	23095	50	#0	16QAM	NV	10	0.41	0.001	PASS
Band12	10	23095	50	#0	16QAM	NV	20	0.67	0.001	PASS
Band12	10	23095	50	#0	16QAM	NV	30	0.47	0.001	PASS
Band12	10	23095	50	#0	16QAM	NV	40	0.26	0.000	PASS
Band12	10	23095	50	#0	16QAM	NV	50	1.76	0.002	PASS
Band12	10	23130	50	#0	QPSK	NV	-30	-2.46	-0.003	PASS
Band12	10	23130	50	#0	QPSK	NV	-20	-2.27	-0.003	PASS
Band12	10	23130	50	#0	QPSK	NV	-10	-2.33	-0.003	PASS
Band12	10	23130	50	#0	QPSK	NV	0	-3.08	-0.004	PASS
Band12	10	23130	50	#0	QPSK	NV	10	-3.60	-0.005	PASS
Band12	10	23130	50	#0	QPSK	NV	20	-4.43	-0.006	PASS
Band12	10	23130	50	#0	QPSK	NV	30	-3.50	-0.005	PASS
Band12	10	23130	50	#0	QPSK	NV	40	1.90	0.003	PASS
Band12	10	23130	50	#0	QPSK	NV	50	2.02	0.003	PASS
Band12	10	23130	50	#0	16QAM	NV	-30	1.02	0.001	PASS
Band12	10	23130	50	#0	16QAM	NV	-20	0.37	0.001	PASS
Band12	10	23130	50	#0	16QAM	NV	-10	-0.47	-0.001	PASS
Band12	10	23130	50	#0	16QAM	NV	0	-0.09	0.000	PASS
Band12	10	23130	50	#0	16QAM	NV	10	-0.29	0.000	PASS
Band12	10	23130	50	#0	16QAM	NV	20	0.17	0.000	PASS
Band12	10	23130	50	#0	16QAM	NV	30	0.43	0.001	PASS
Band12	10	23130	50	#0	16QAM	NV	40	0.99	0.001	PASS
Band12	10	23130	50	#0	16QAM	NV	50	1.53	0.002	PASS

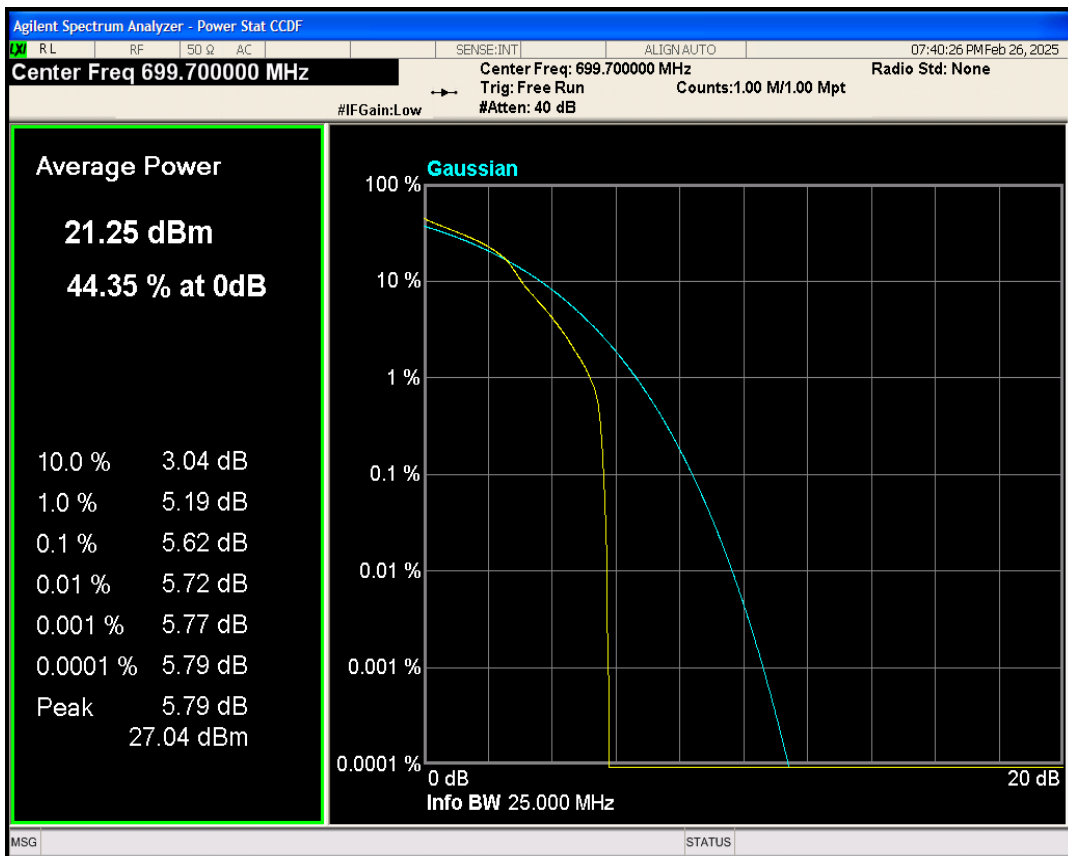
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	3.89	13	PASS
Band12	1.4	23017	1	#0	16QAM	5.62	13	PASS
Band12	1.4	23095	1	#0	QPSK	3.86	13	PASS
Band12	1.4	23095	1	#0	16QAM	5.57	13	PASS
Band12	1.4	23173	1	#0	QPSK	3.69	13	PASS
Band12	1.4	23173	1	#0	16QAM	5.11	13	PASS
Band12	3	23025	1	#0	QPSK	3.64	13	PASS
Band12	3	23025	1	#0	16QAM	5.38	13	PASS
Band12	3	23095	1	#0	QPSK	3.61	13	PASS
Band12	3	23095	1	#0	16QAM	5.43	13	PASS
Band12	3	23165	1	#0	QPSK	3.61	13	PASS
Band12	3	23165	1	#0	16QAM	5.21	13	PASS
Band12	5	23035	1	#0	QPSK	3.66	13	PASS
Band12	5	23035	1	#0	16QAM	5.46	13	PASS
Band12	5	23095	1	#0	QPSK	3.62	13	PASS
Band12	5	23095	1	#0	16QAM	5.31	13	PASS
Band12	5	23155	1	#0	QPSK	3.61	13	PASS
Band12	5	23155	1	#0	16QAM	5.11	13	PASS
Band12	10	23060	1	#0	QPSK	3.67	13	PASS
Band12	10	23060	1	#0	16QAM	5.41	13	PASS
Band12	10	23095	1	#0	QPSK	3.68	13	PASS
Band12	10	23095	1	#0	16QAM	5.43	13	PASS
Band12	10	23130	1	#0	QPSK	3.69	13	PASS
Band12	10	23130	1	#0	16QAM	5.43	13	PASS

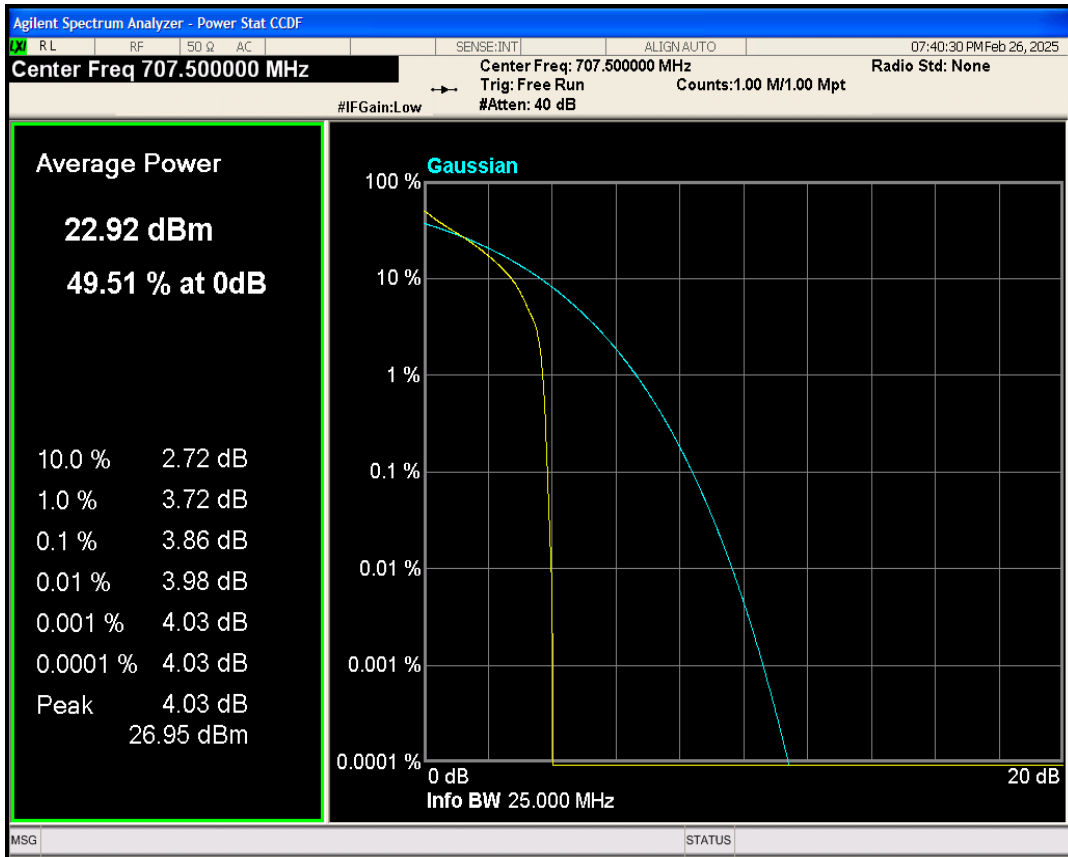
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



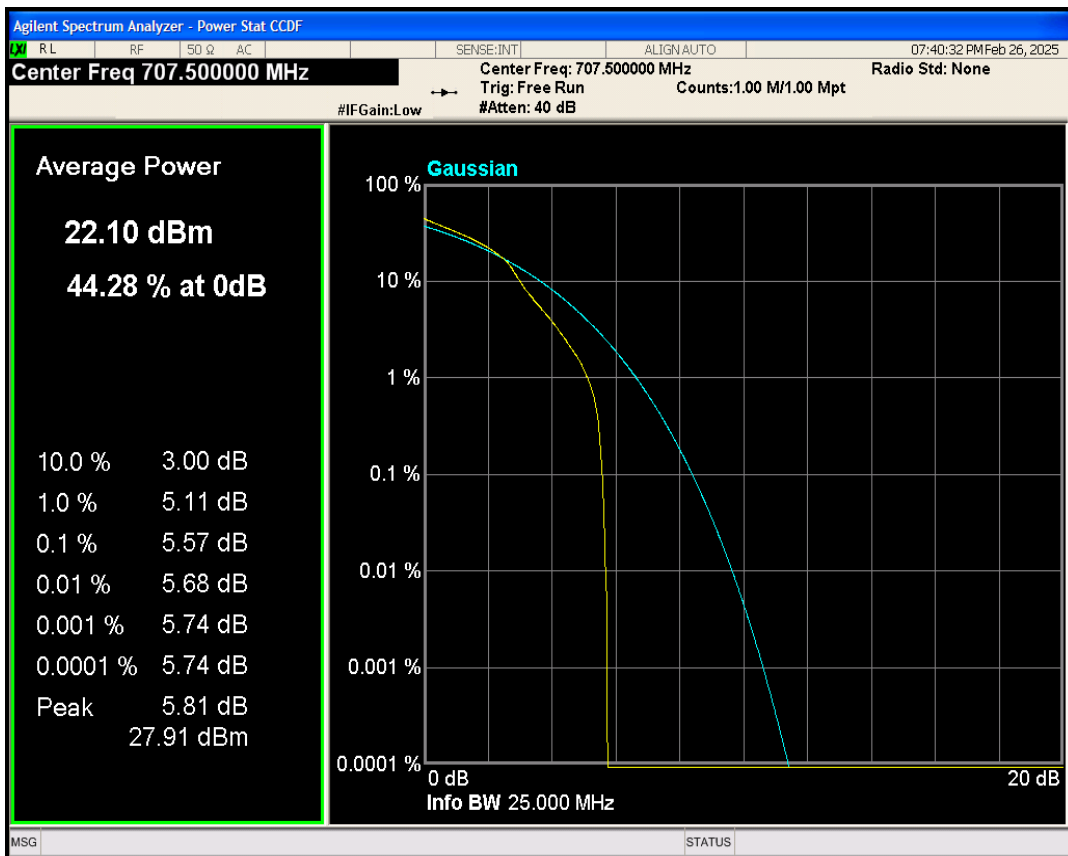
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



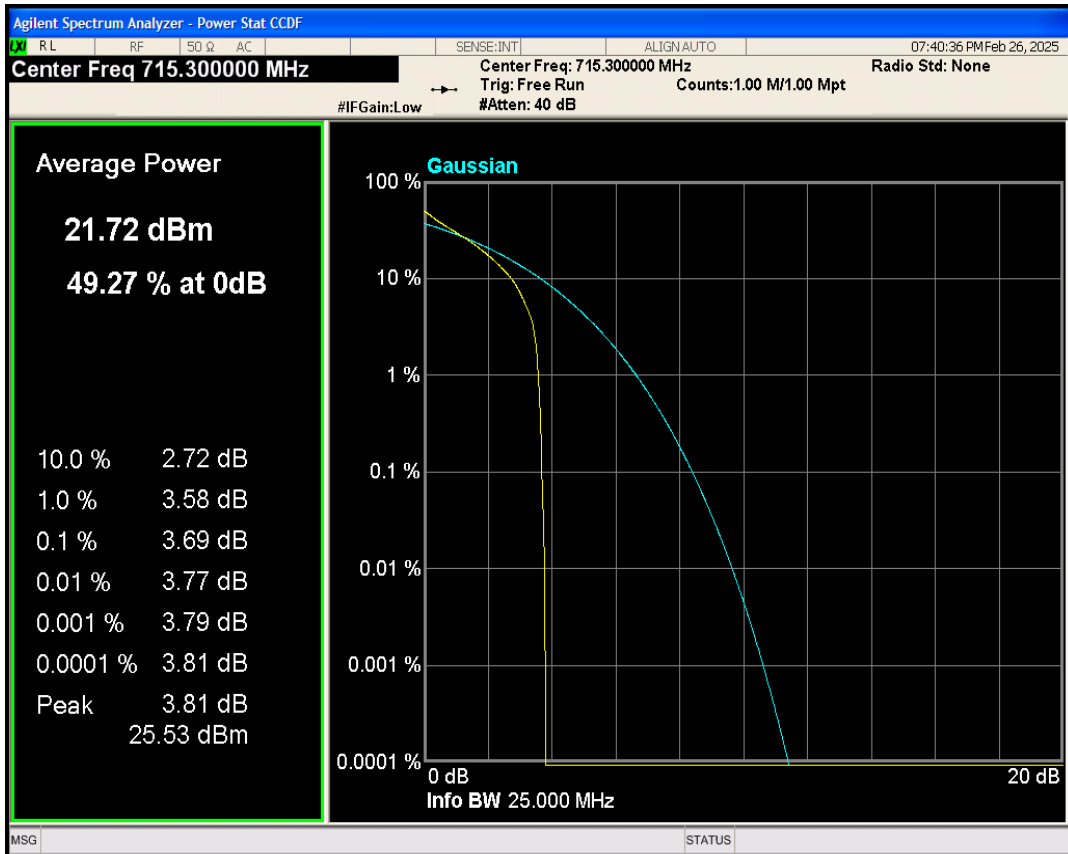
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



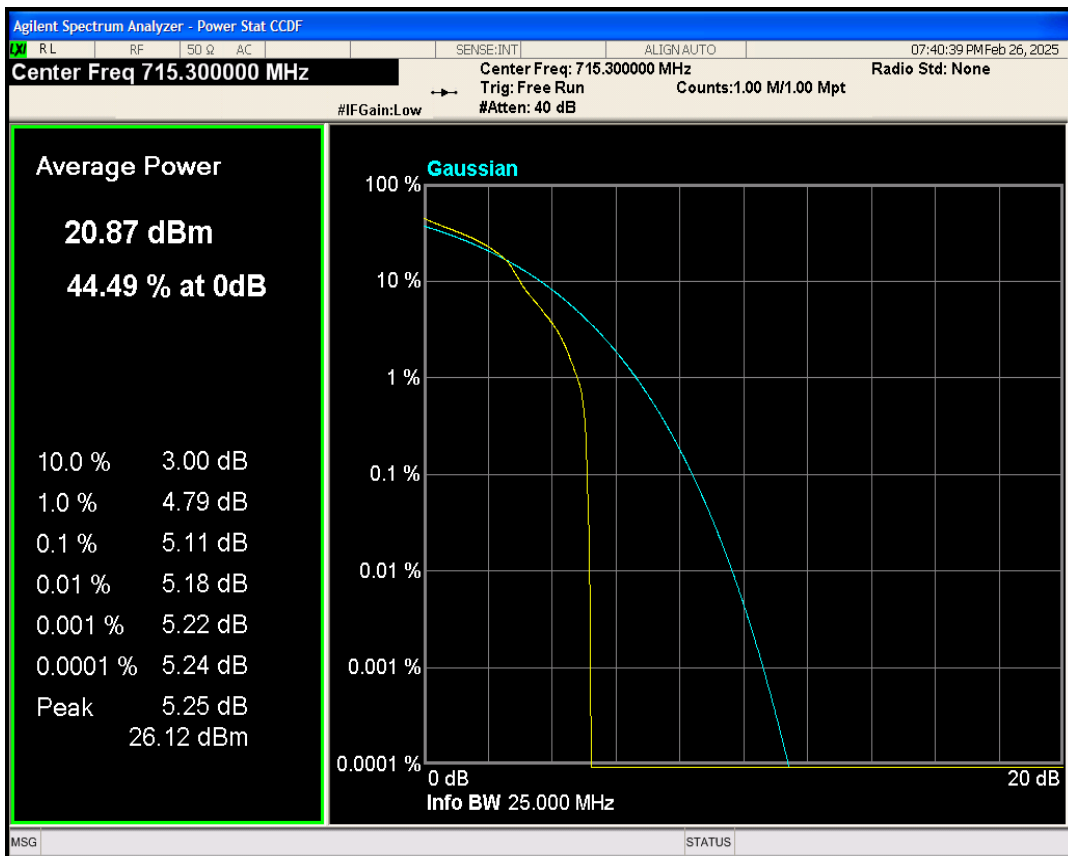
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



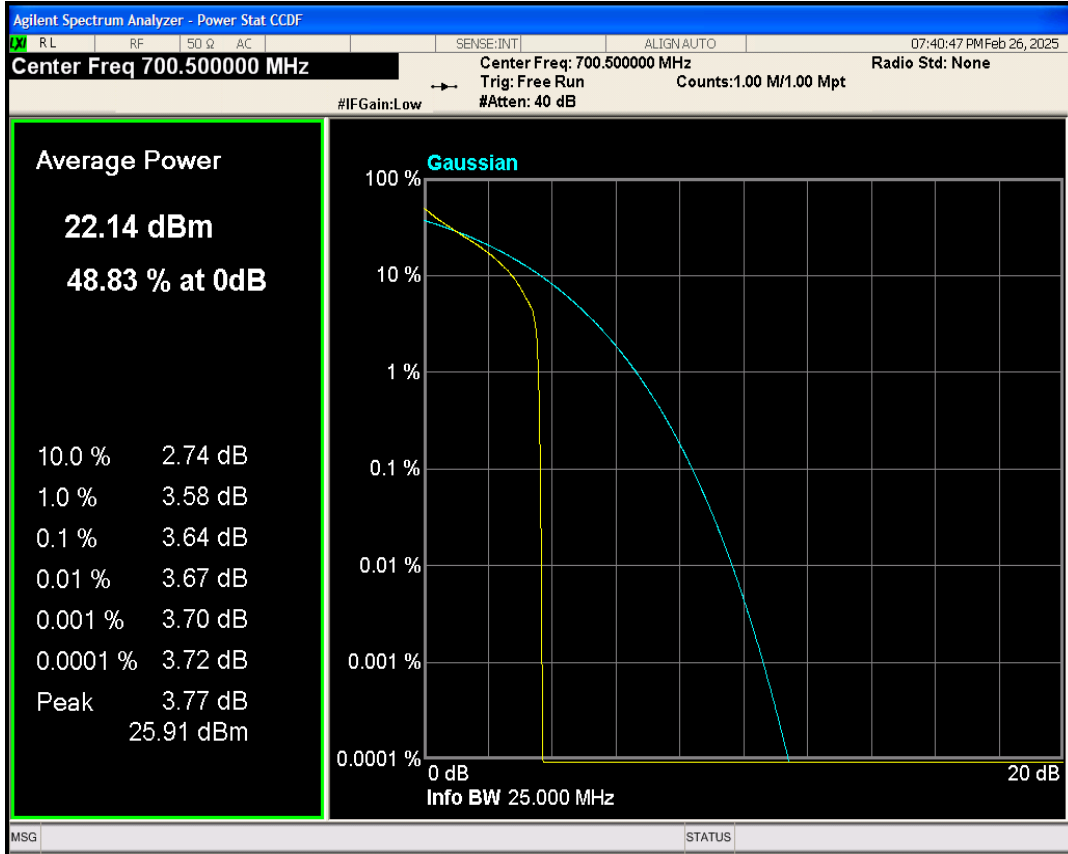
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



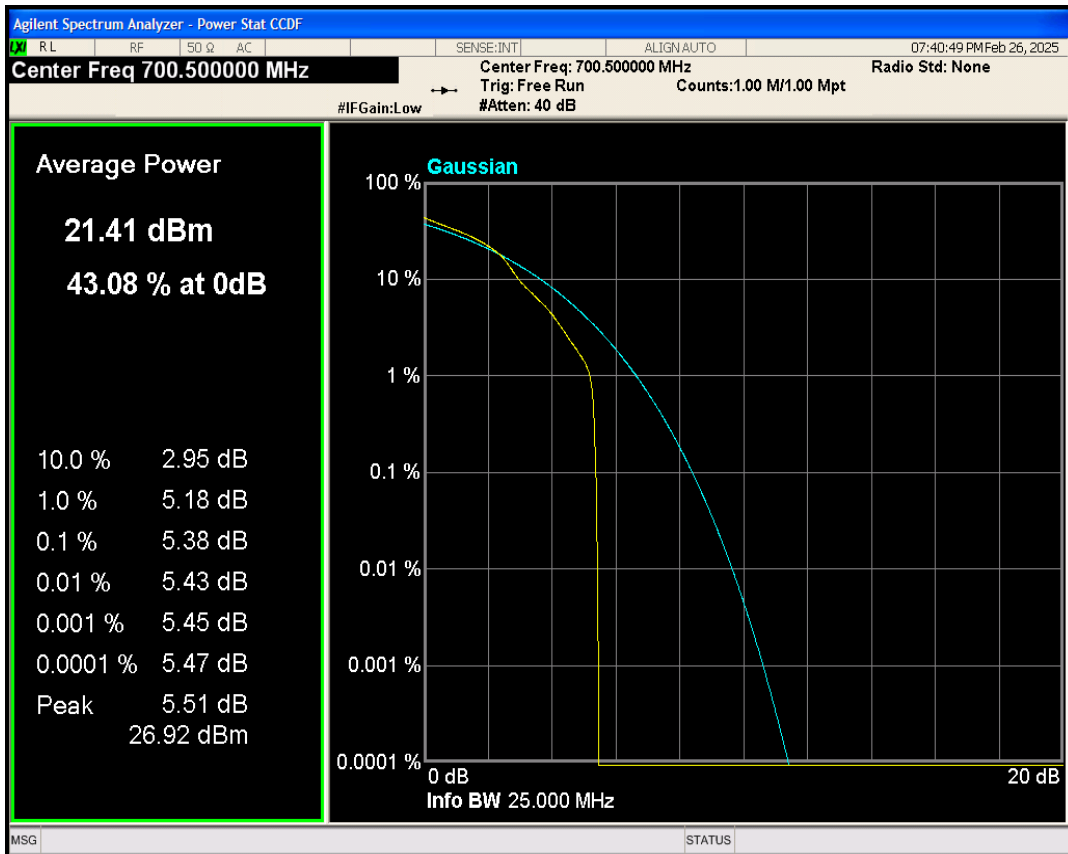
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



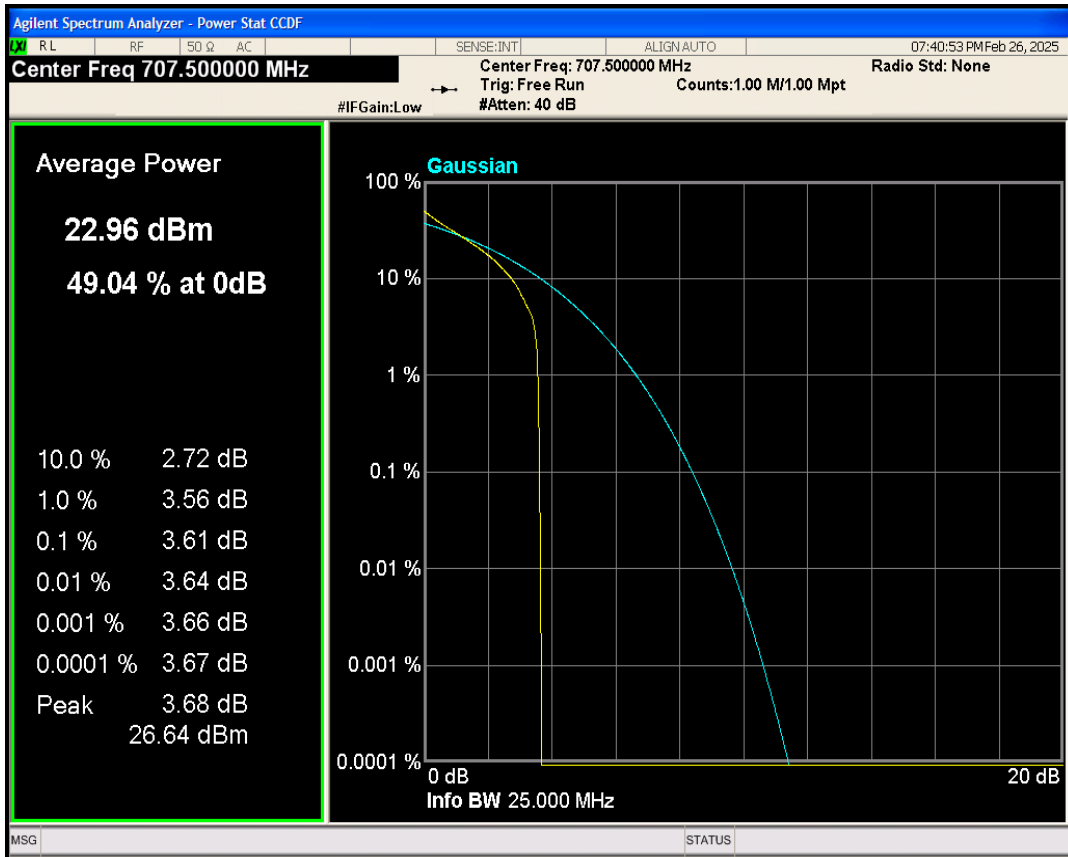
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



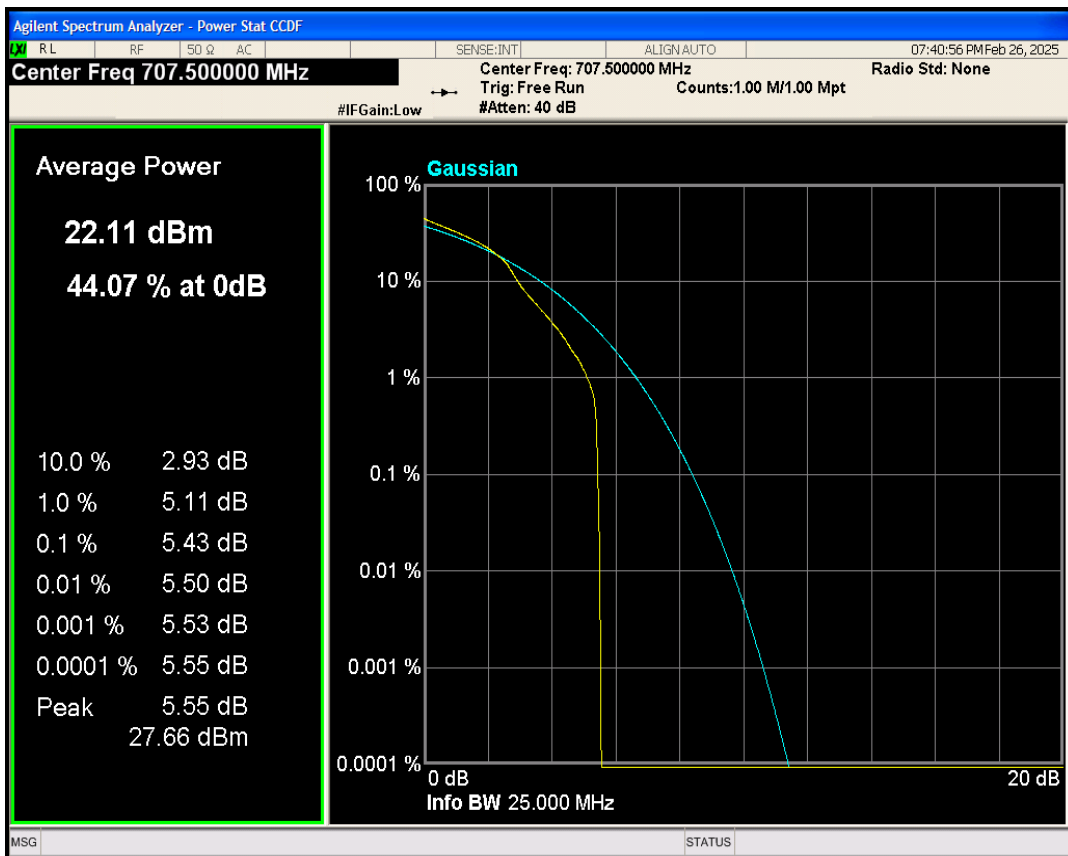
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



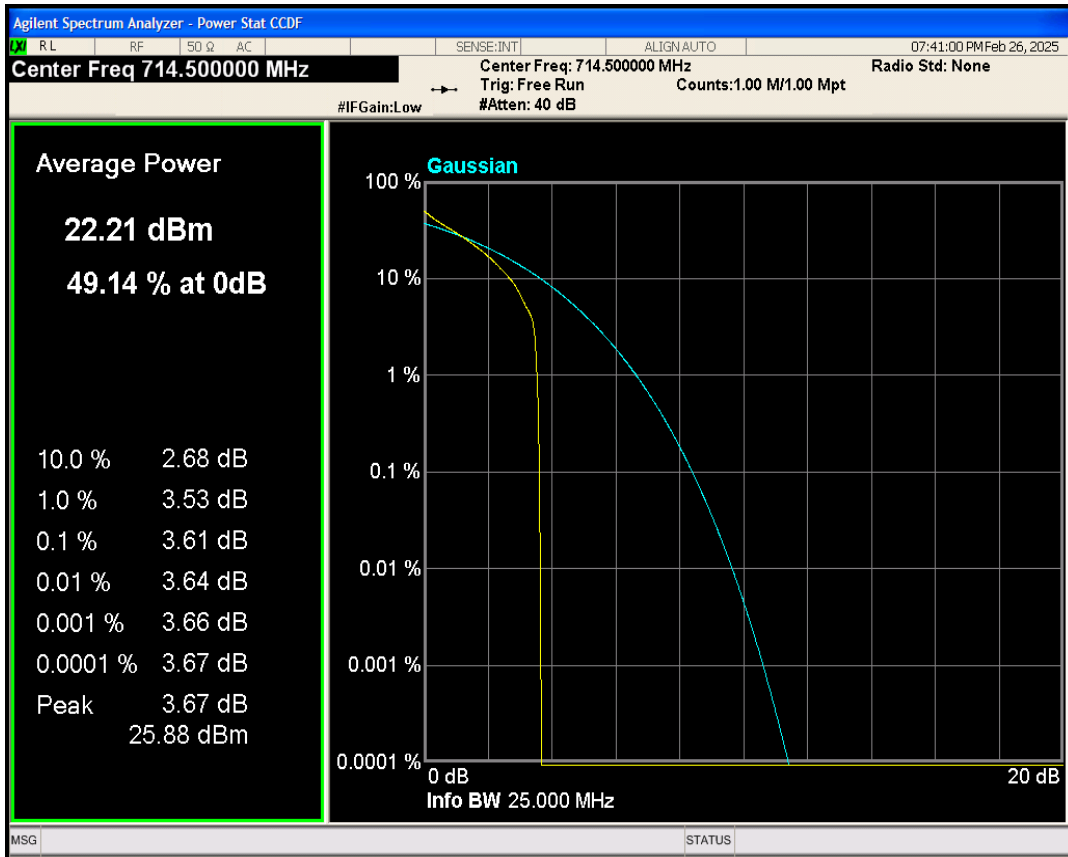
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



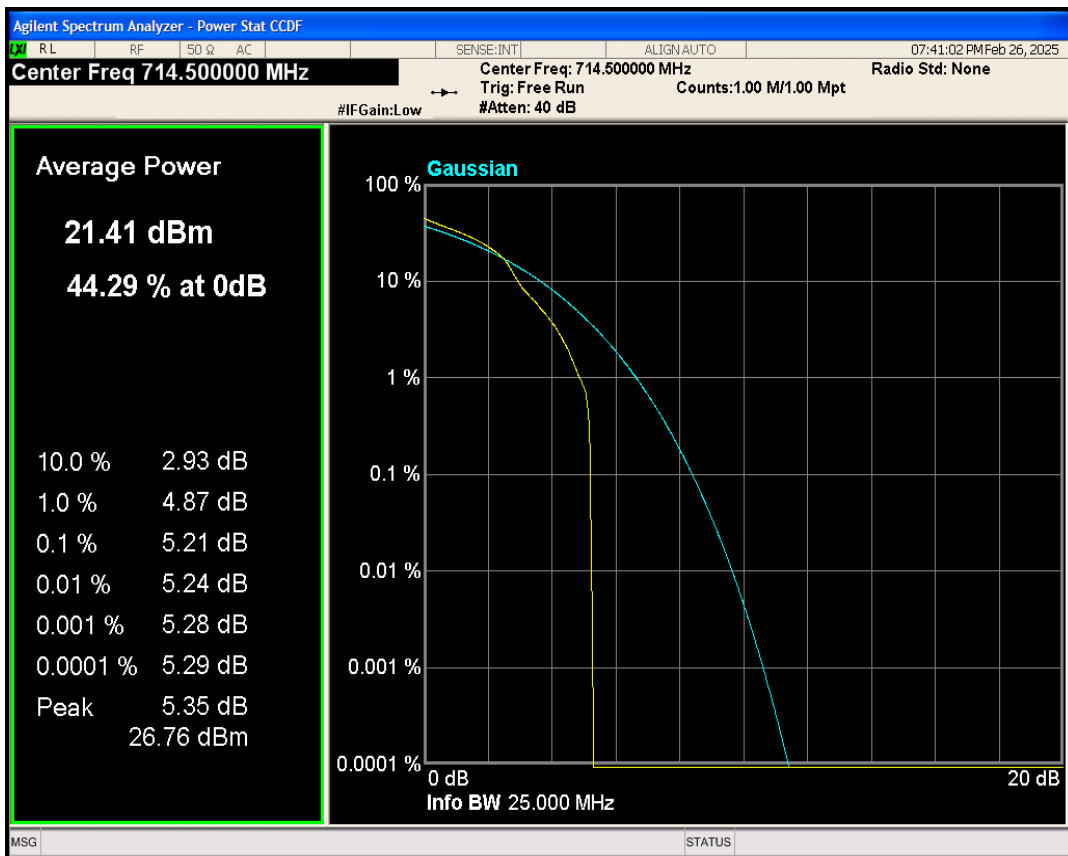
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



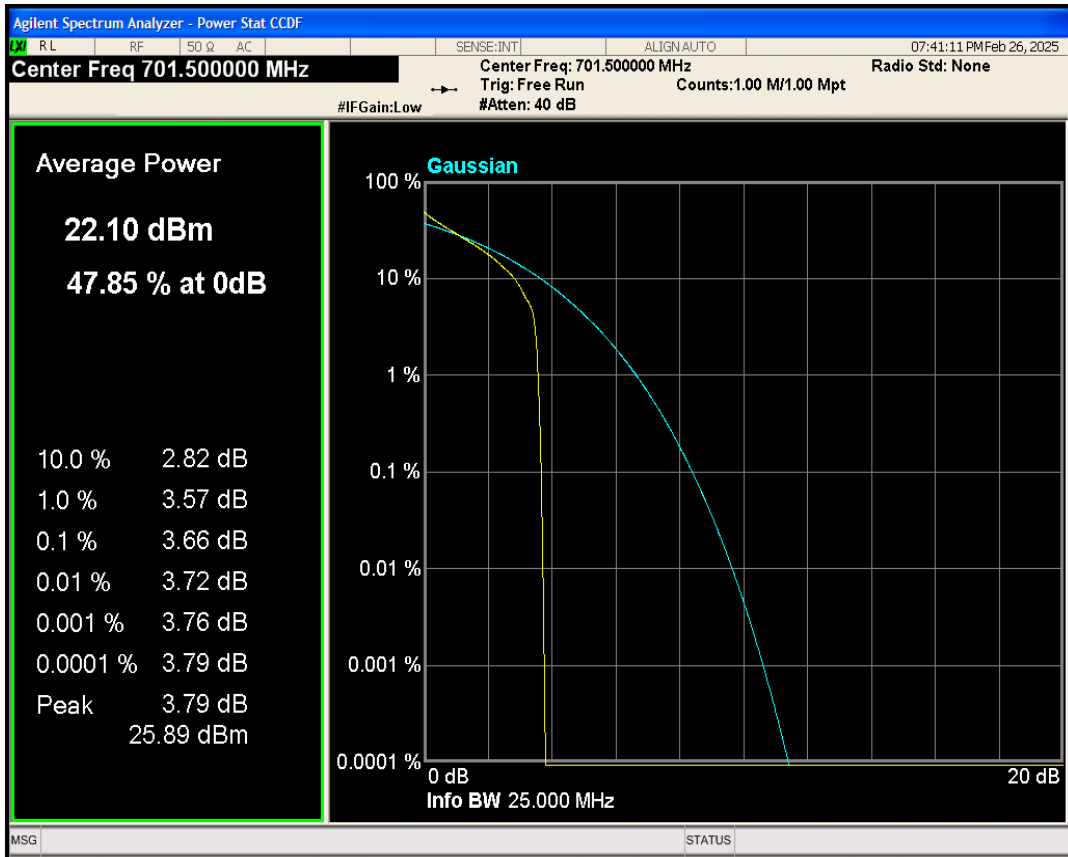
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



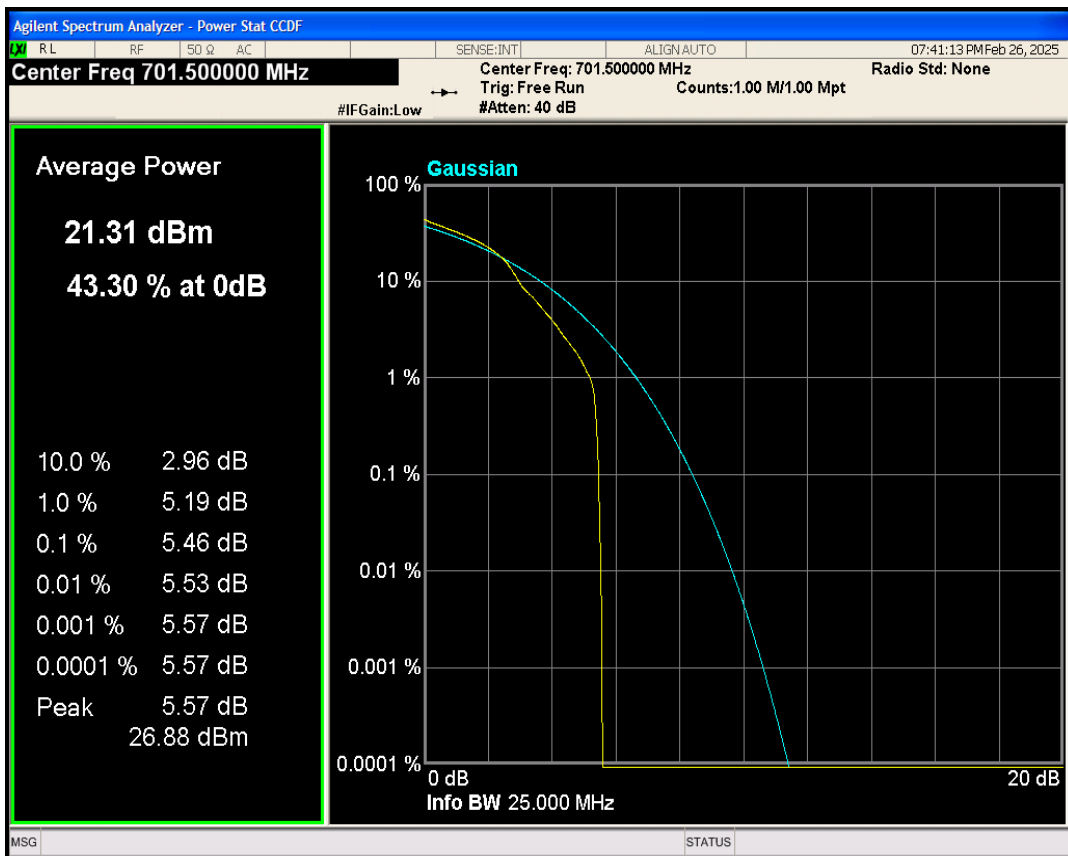
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



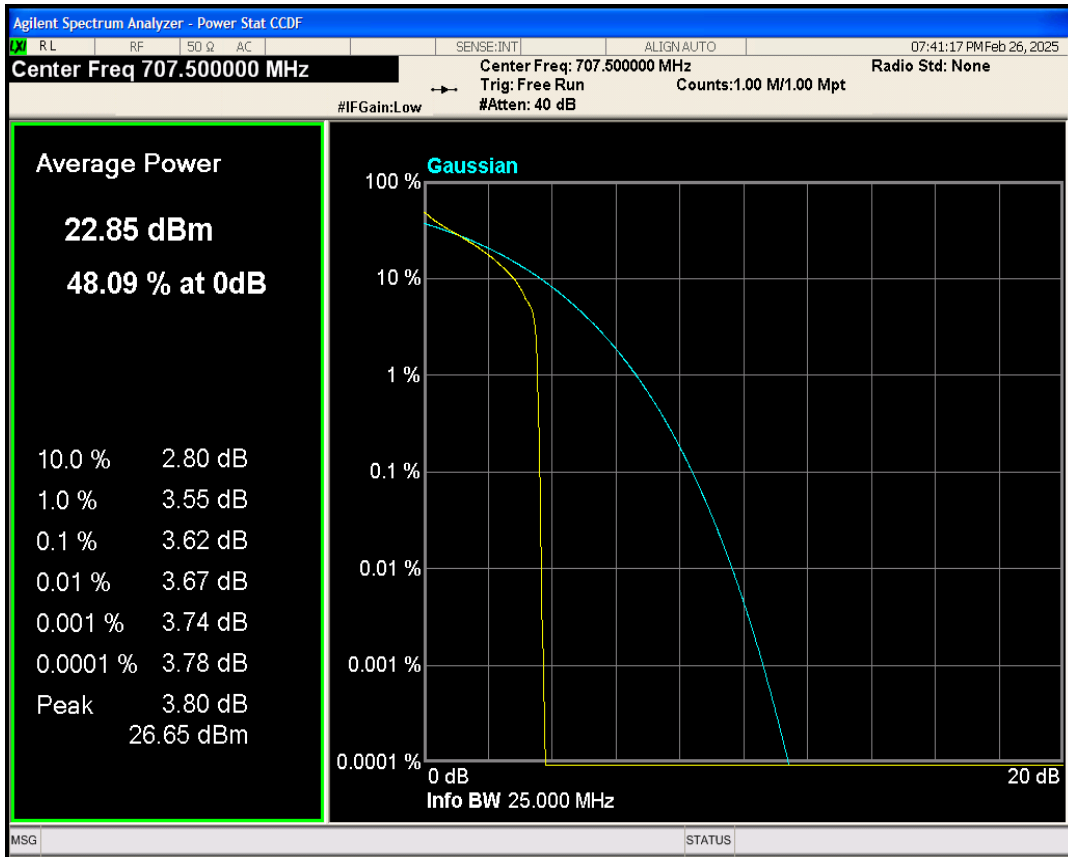
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



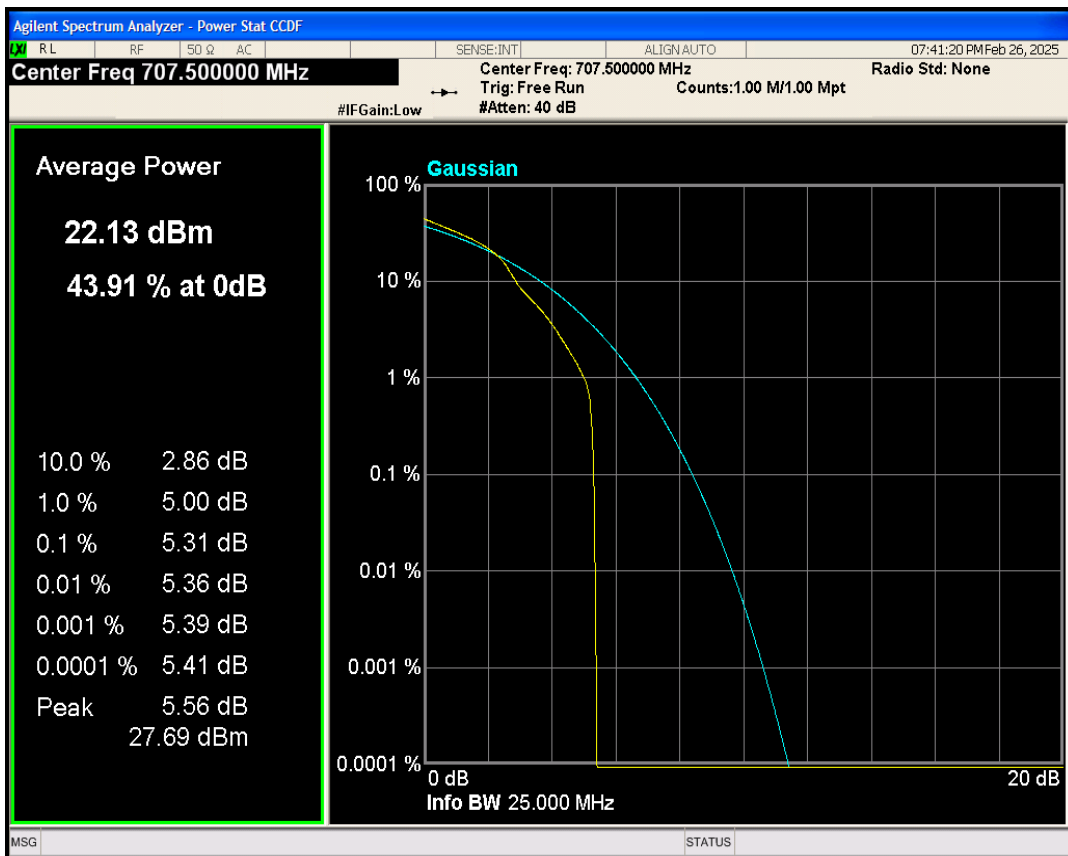
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



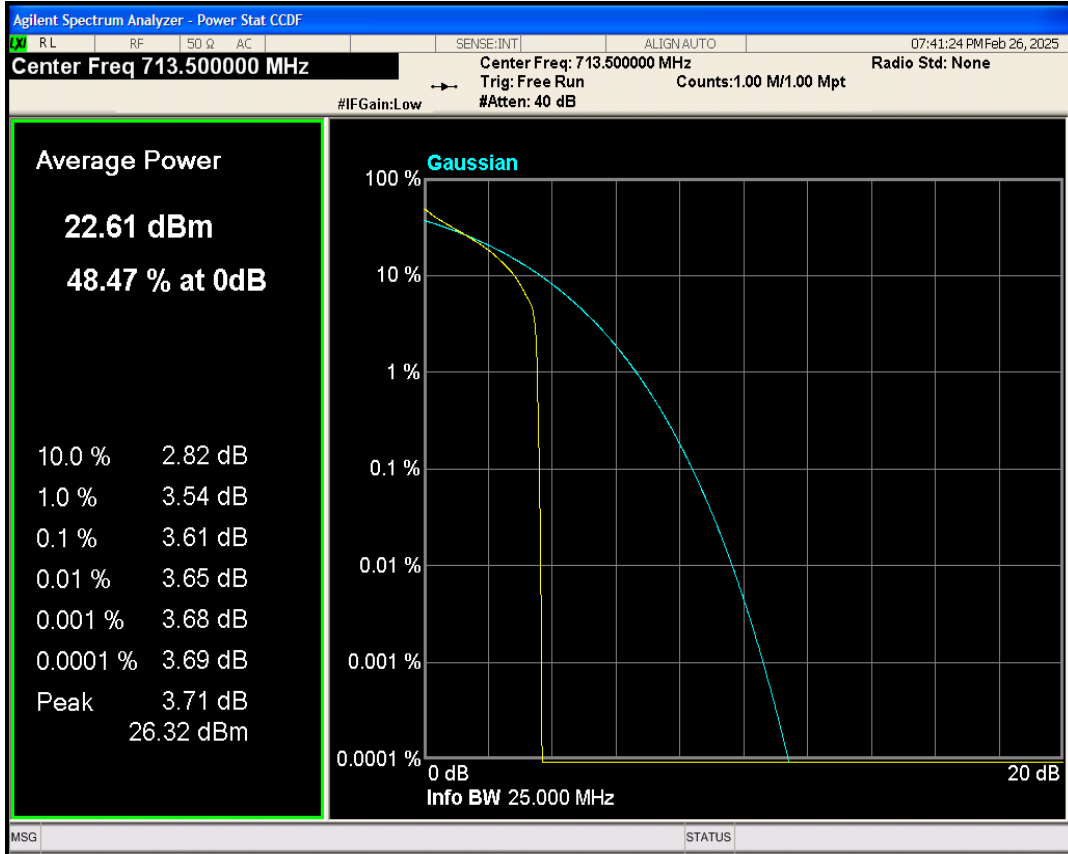
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



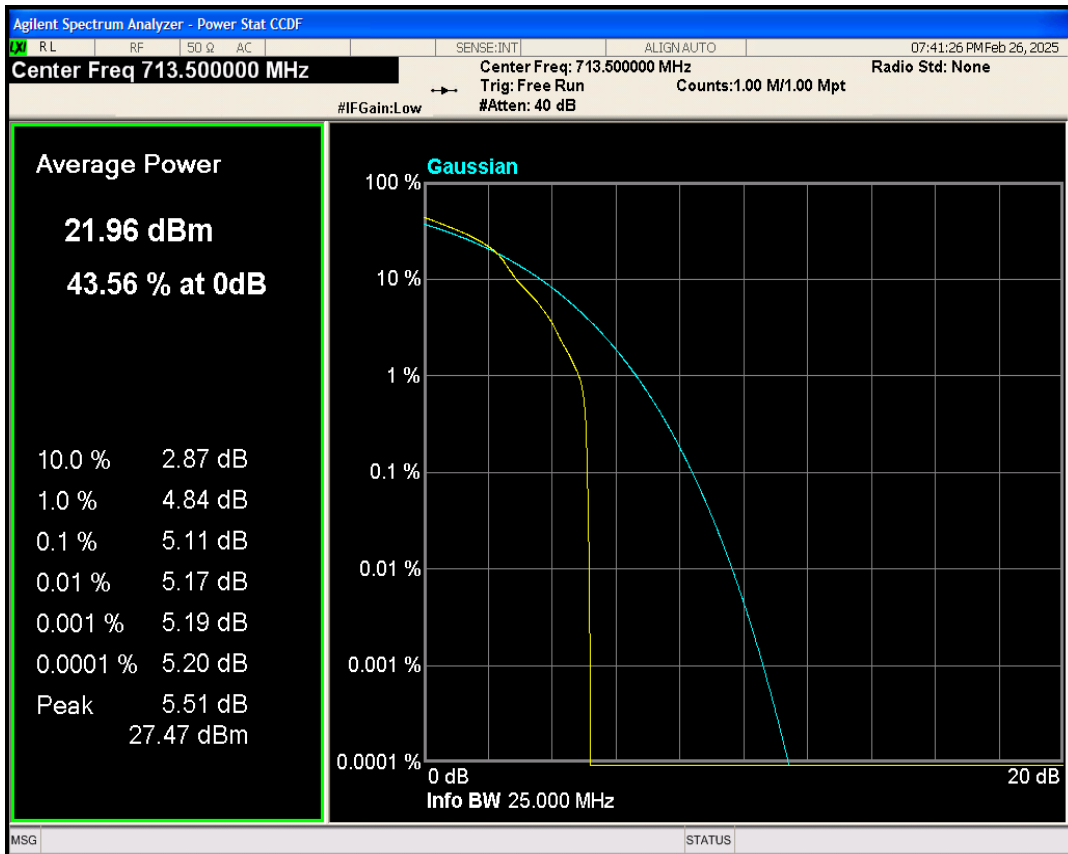
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



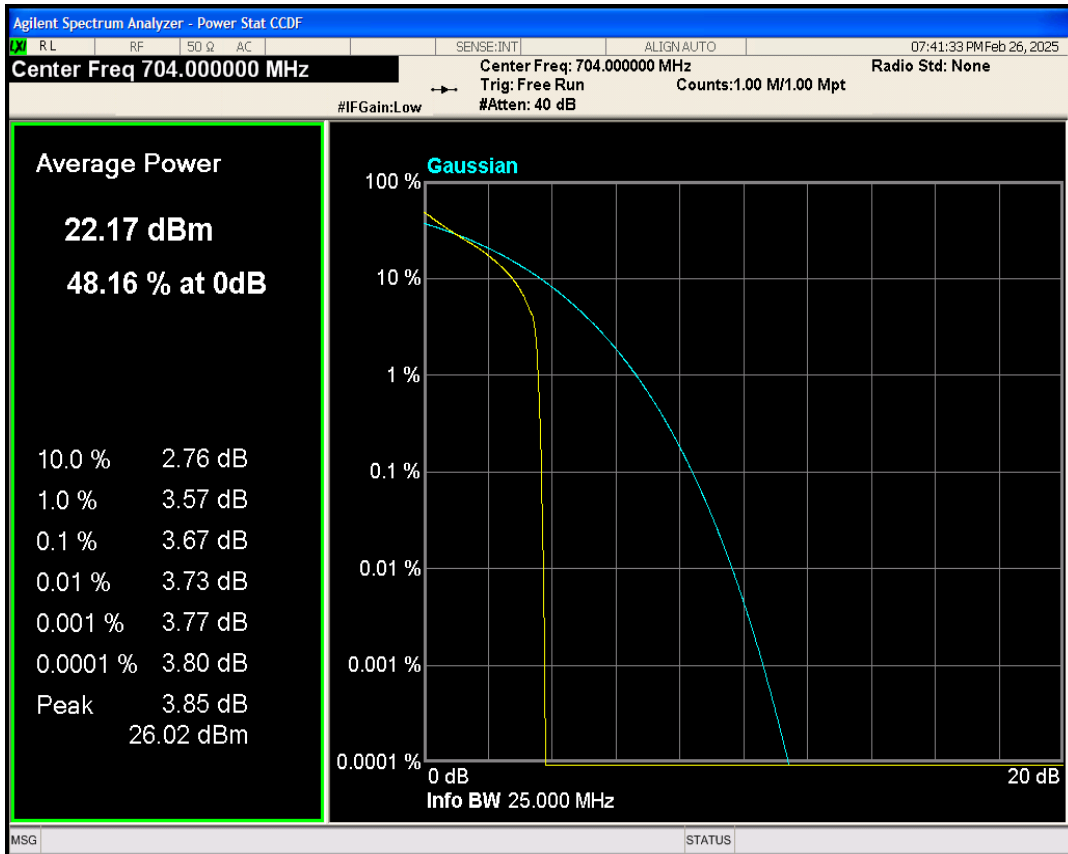
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



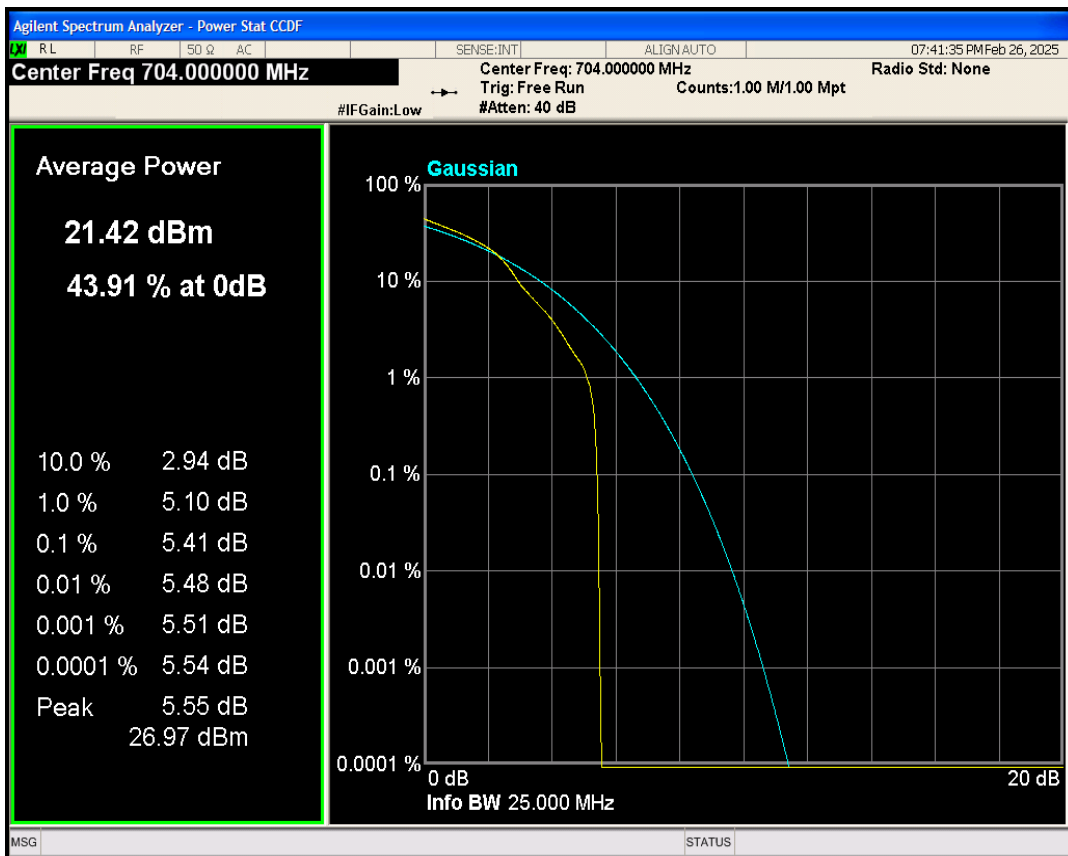
Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



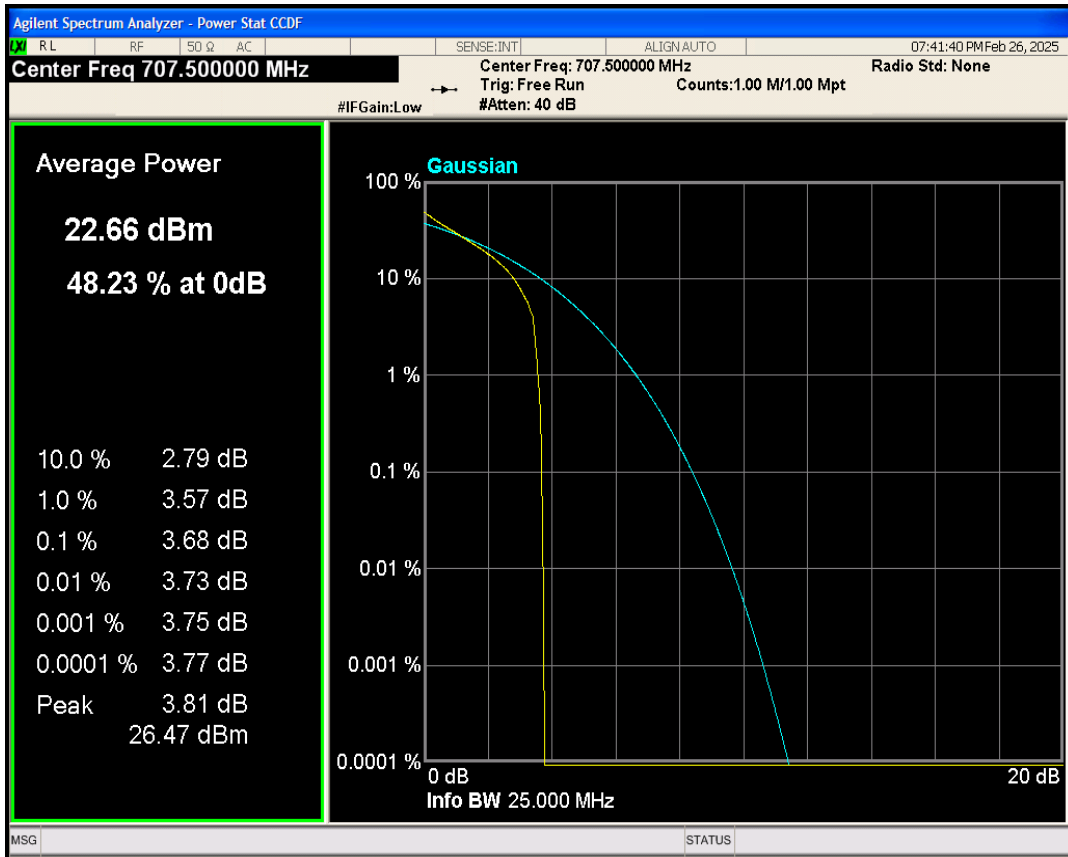
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



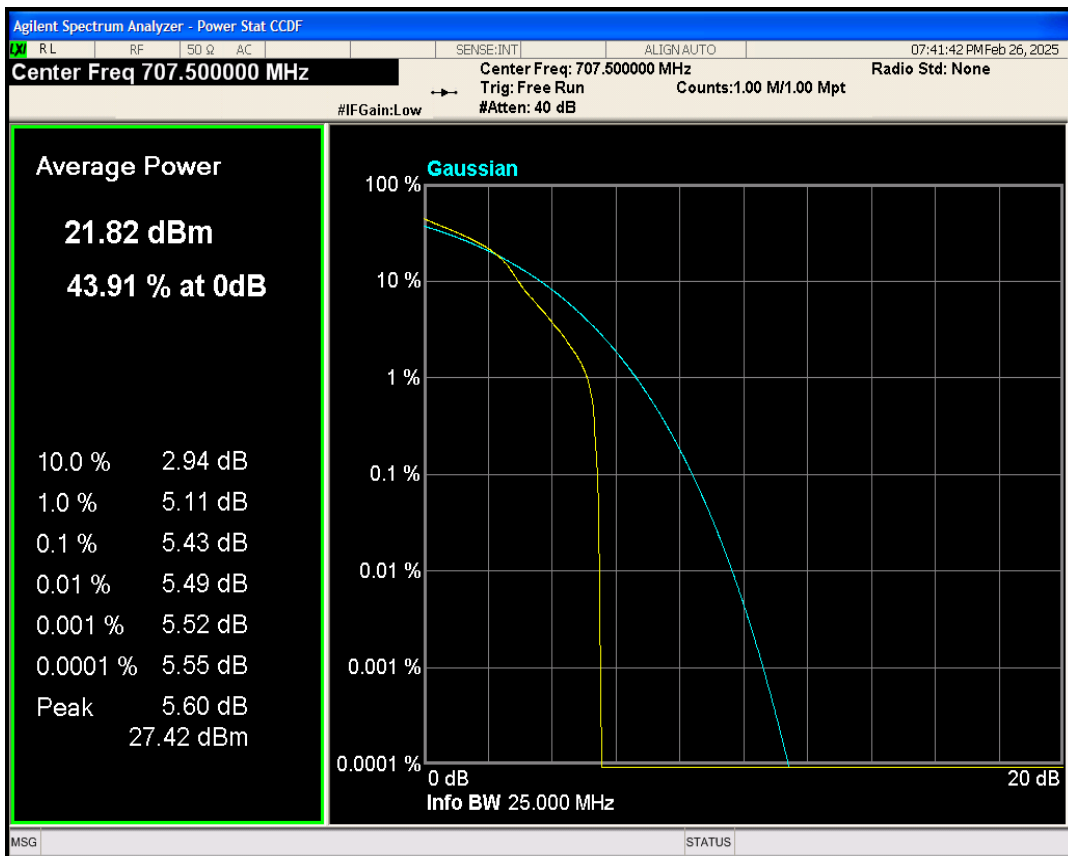
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



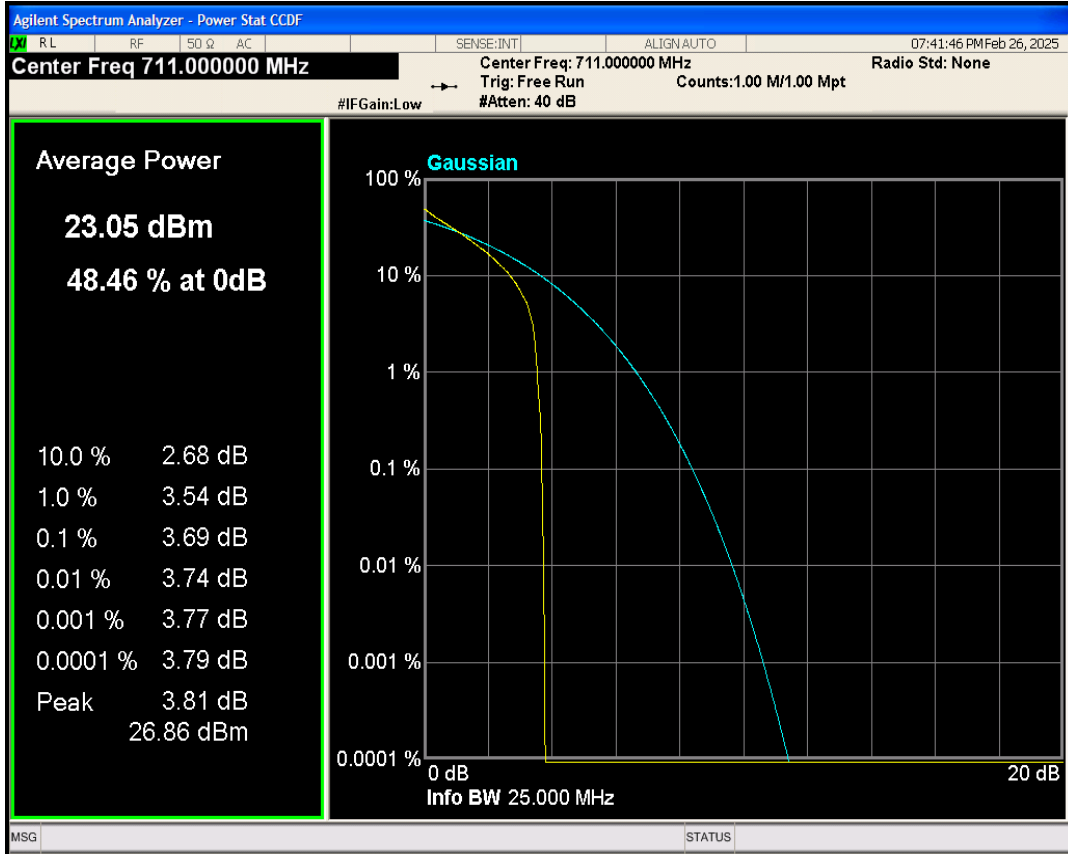
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



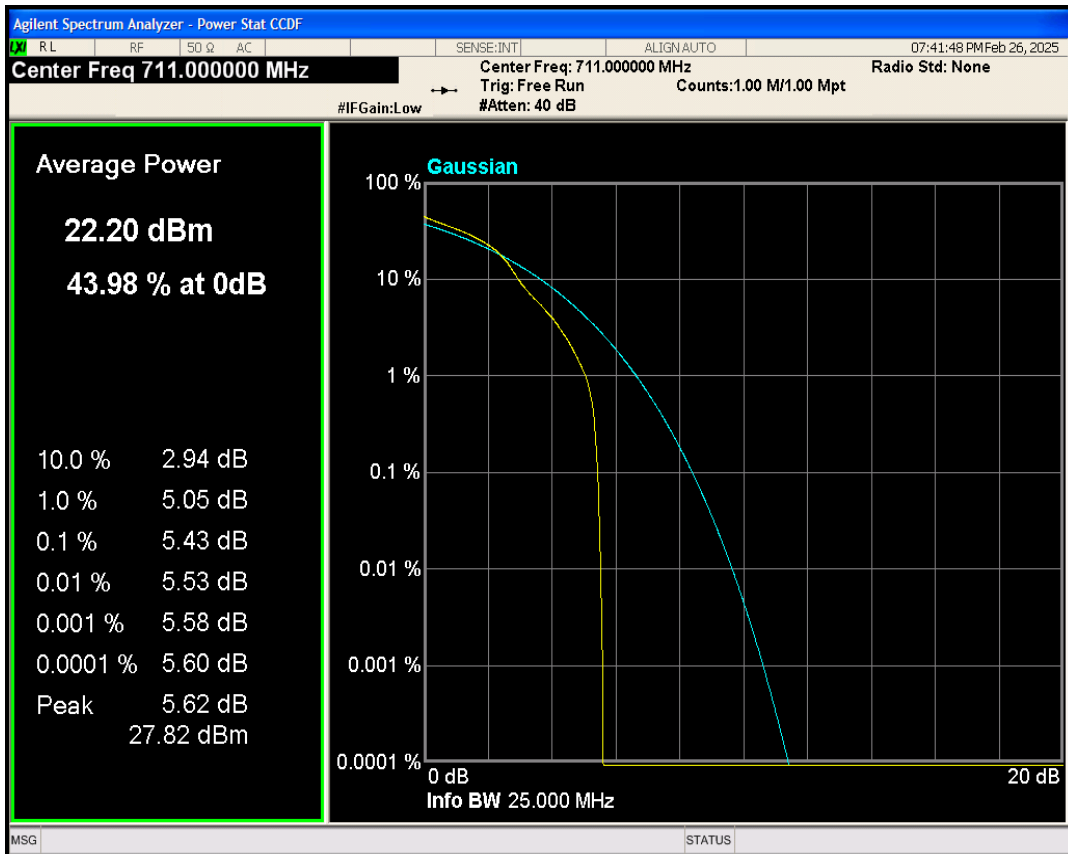
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



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



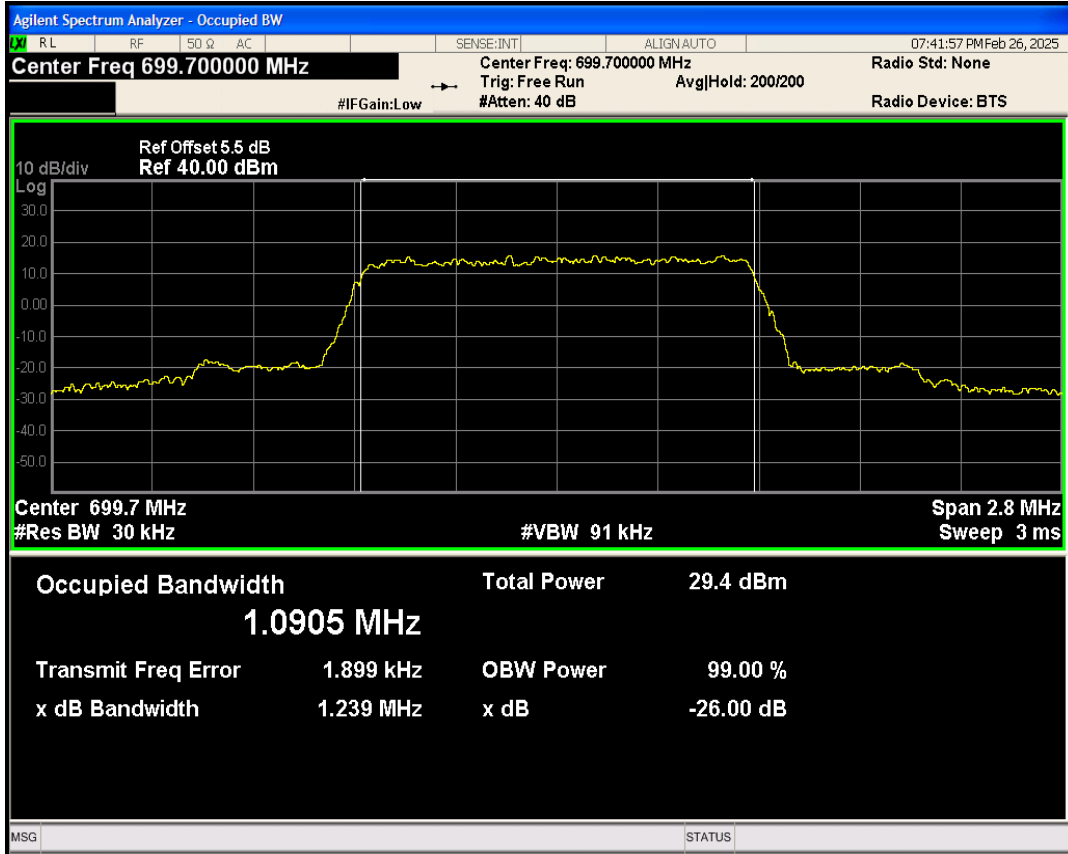
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



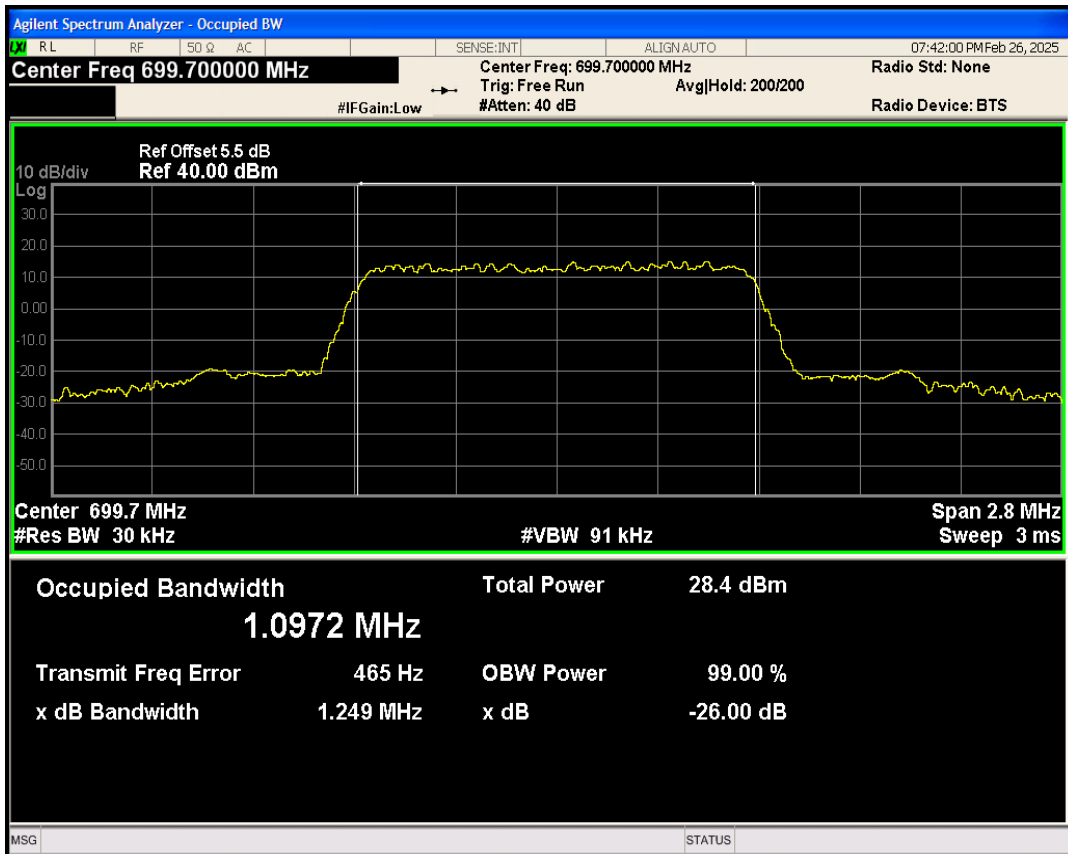
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.090	1.239	PASS
Band12	1.4	23017	6	#0	16QAM	1.097	1.249	PASS
Band12	1.4	23095	6	#0	QPSK	1.091	1.235	PASS
Band12	1.4	23095	6	#0	16QAM	1.092	1.223	PASS
Band12	1.4	23173	6	#0	QPSK	1.098	1.236	PASS
Band12	1.4	23173	6	#0	16QAM	1.095	1.240	PASS
Band12	3	23025	15	#0	QPSK	2.699	2.978	PASS
Band12	3	23025	15	#0	16QAM	2.688	2.948	PASS
Band12	3	23095	15	#0	QPSK	2.692	3.018	PASS
Band12	3	23095	15	#0	16QAM	2.694	2.978	PASS
Band12	3	23165	15	#0	QPSK	2.708	2.997	PASS
Band12	3	23165	15	#0	16QAM	2.696	2.992	PASS
Band12	5	23035	25	#0	QPSK	4.494	4.871	PASS
Band12	5	23035	25	#0	16QAM	4.482	4.907	PASS
Band12	5	23095	25	#0	QPSK	4.510	4.924	PASS
Band12	5	23095	25	#0	16QAM	4.504	4.932	PASS
Band12	5	23155	25	#0	QPSK	4.496	4.895	PASS
Band12	5	23155	25	#0	16QAM	4.510	4.991	PASS
Band12	10	23060	50	#0	QPSK	8.967	9.771	PASS
Band12	10	23060	50	#0	16QAM	8.961	9.659	PASS
Band12	10	23095	50	#0	QPSK	8.991	9.711	PASS
Band12	10	23095	50	#0	16QAM	9.008	9.706	PASS
Band12	10	23130	50	#0	QPSK	8.985	9.846	PASS
Band12	10	23130	50	#0	16QAM	8.989	9.722	PASS

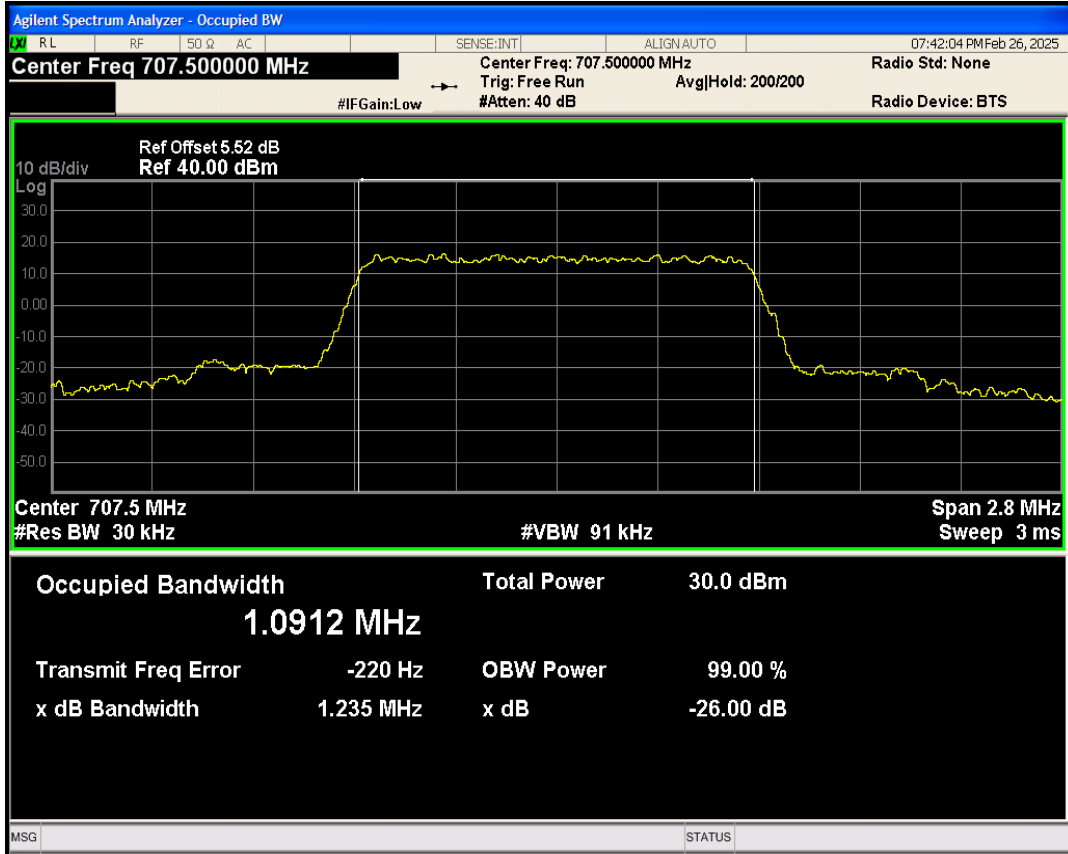
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



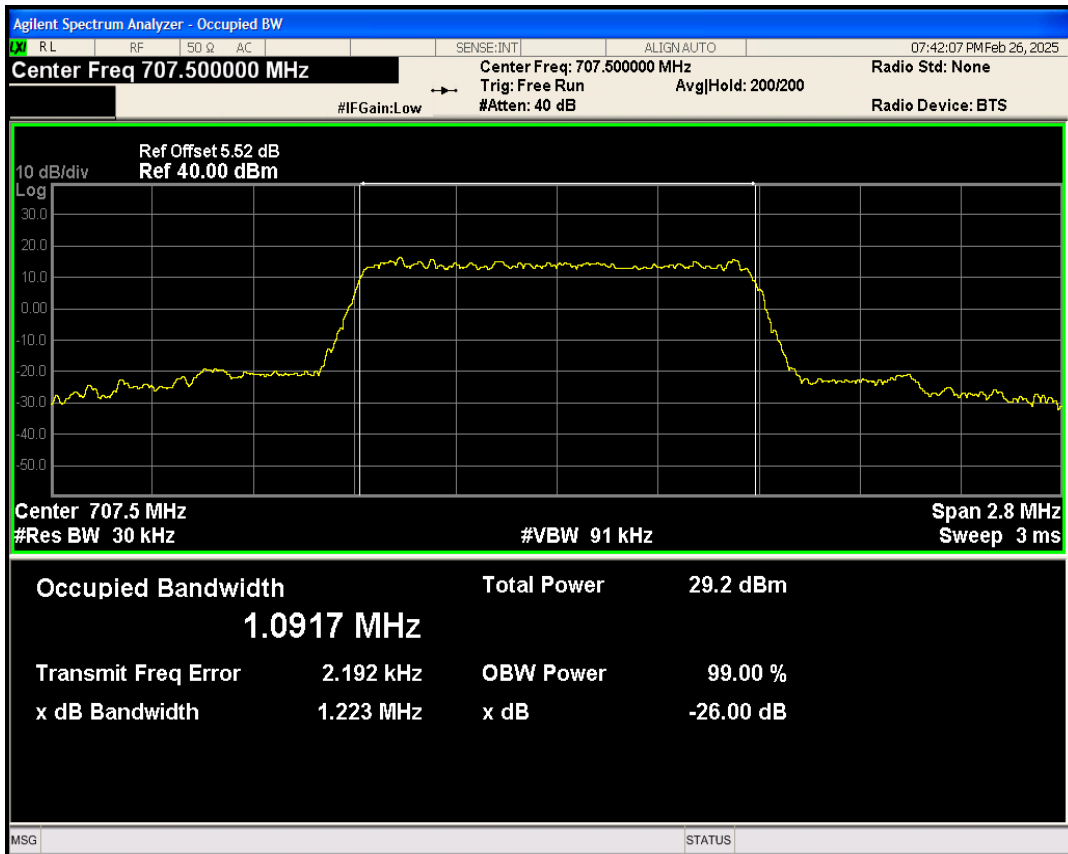
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



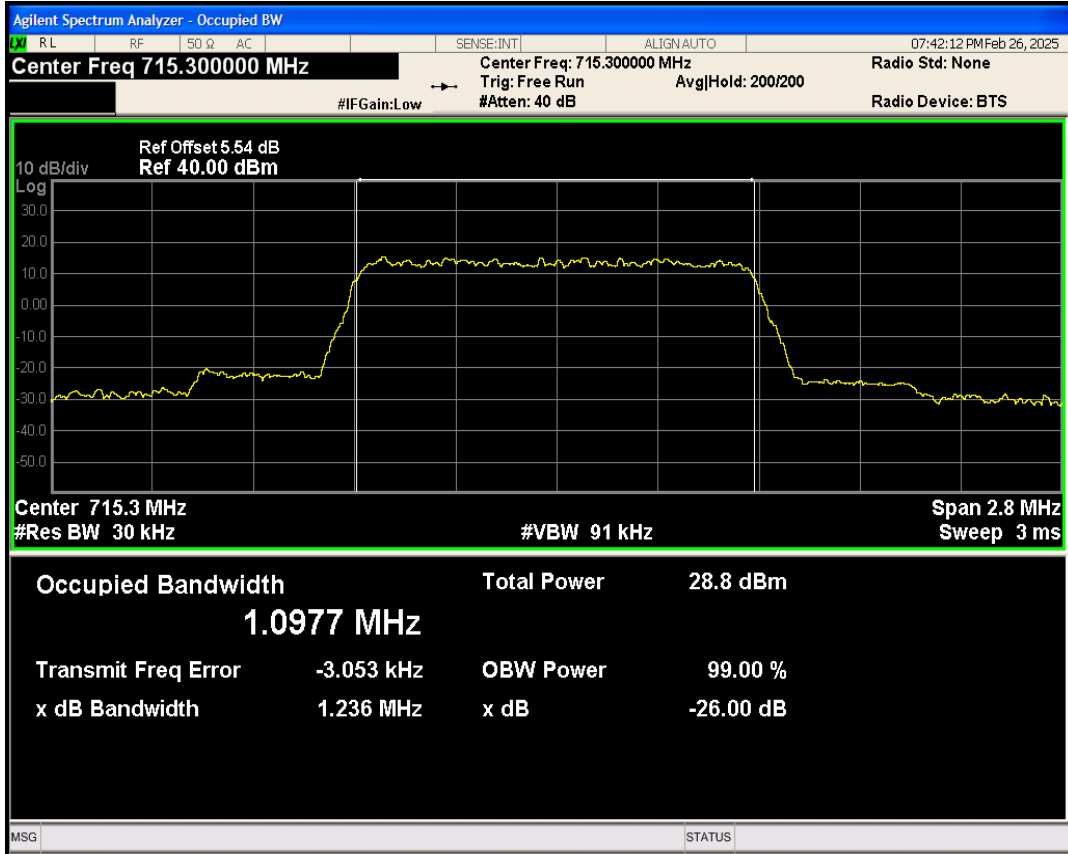
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



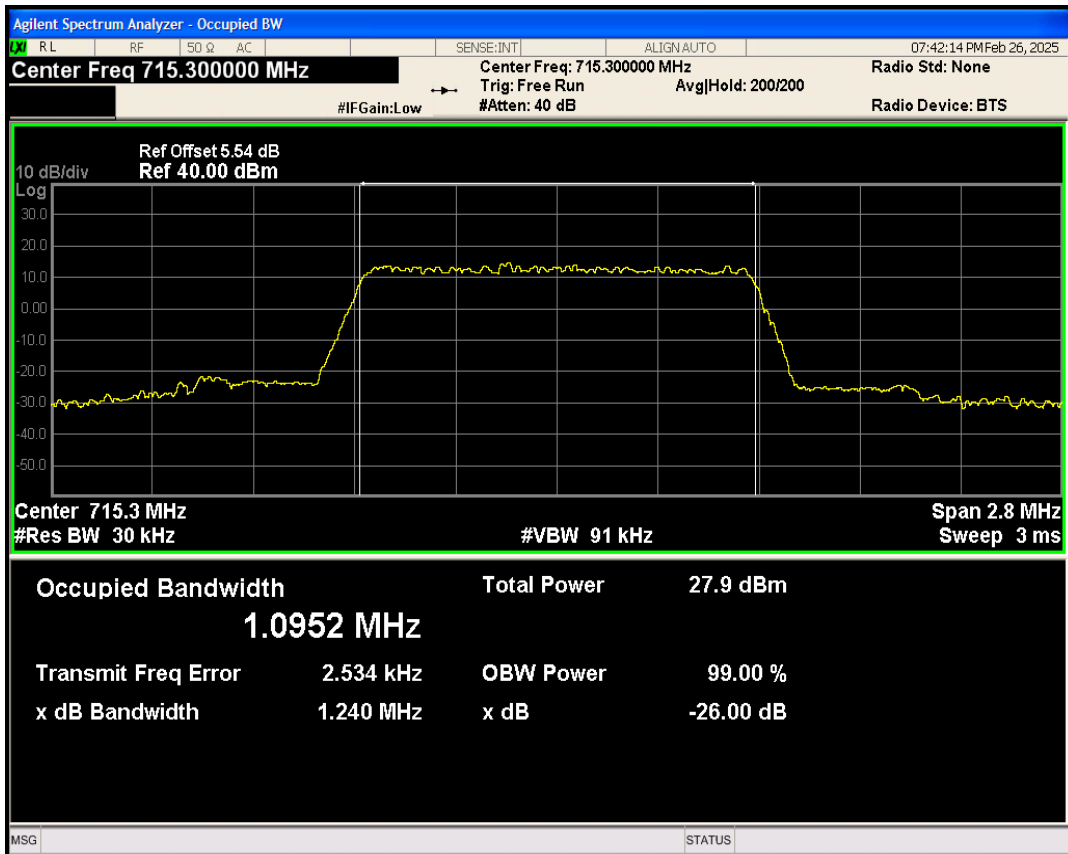
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



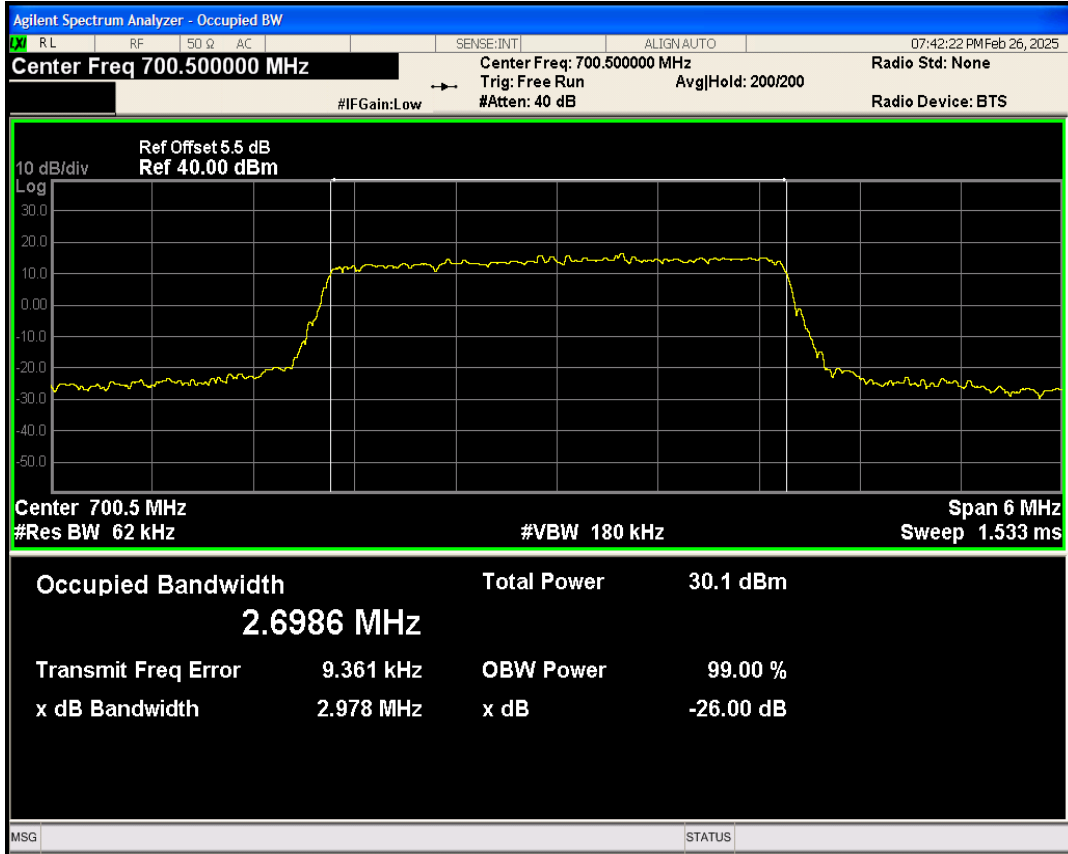
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



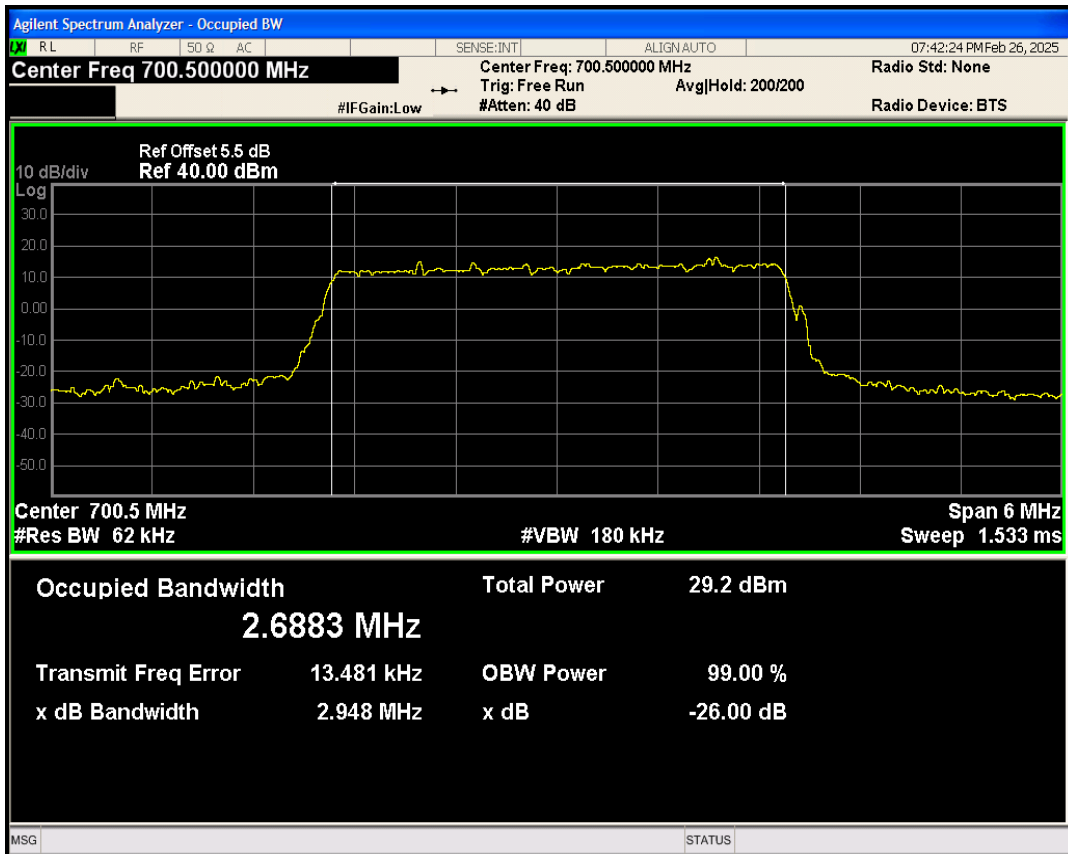
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



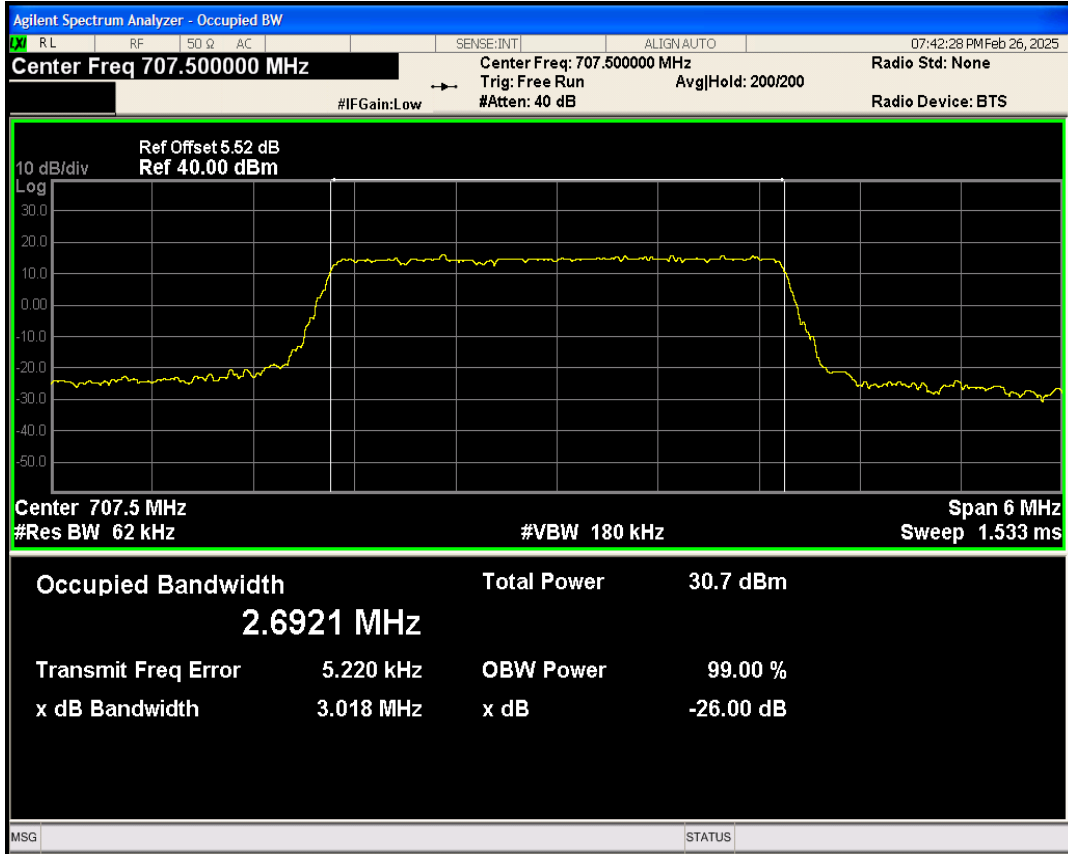
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



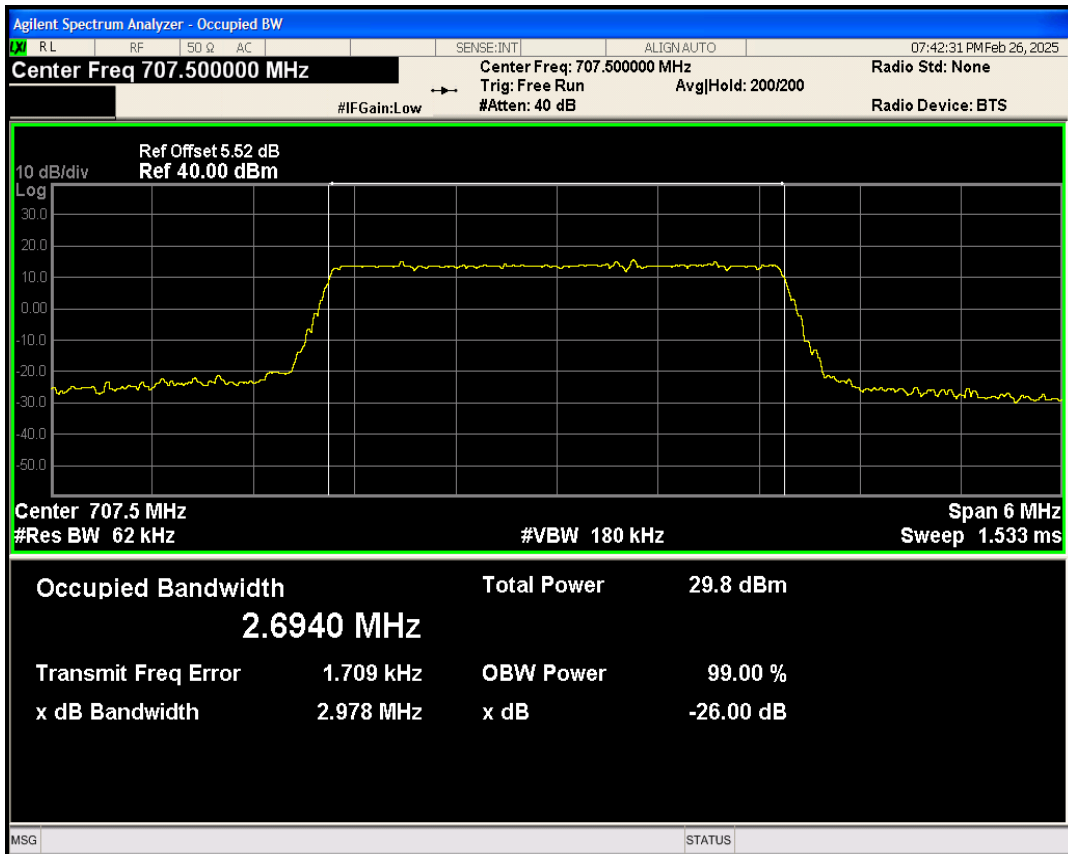
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



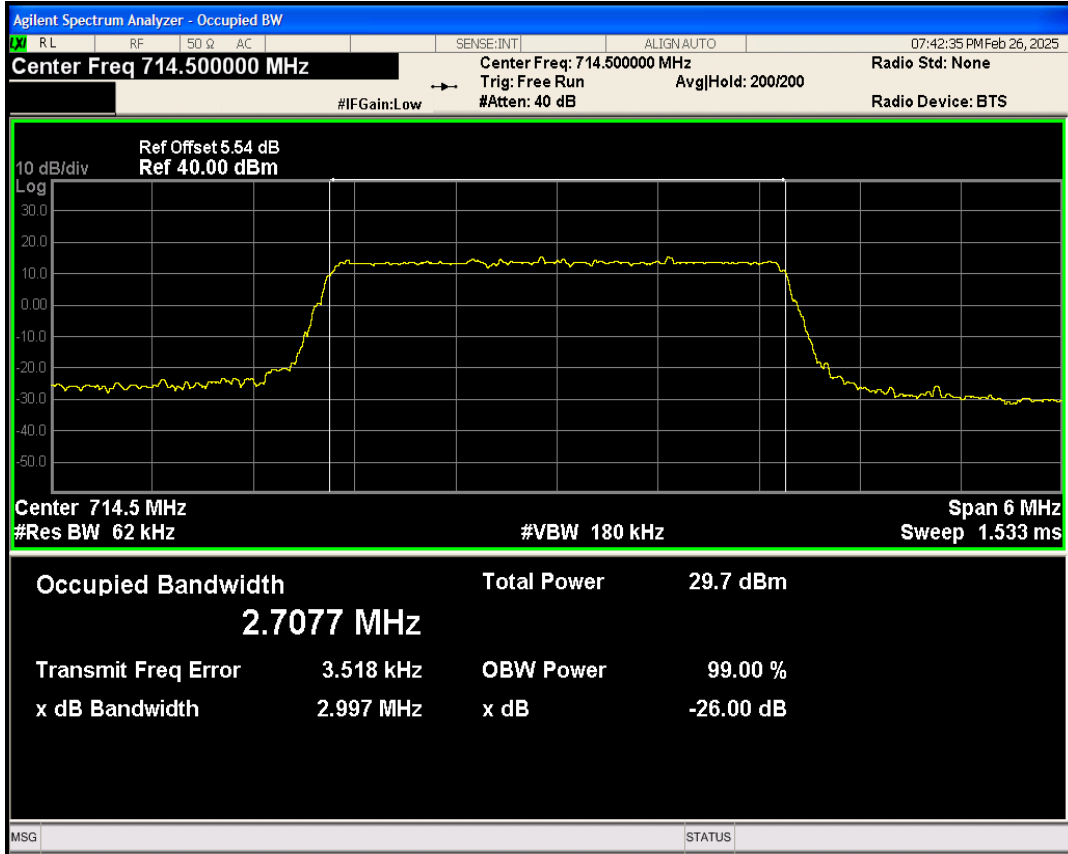
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



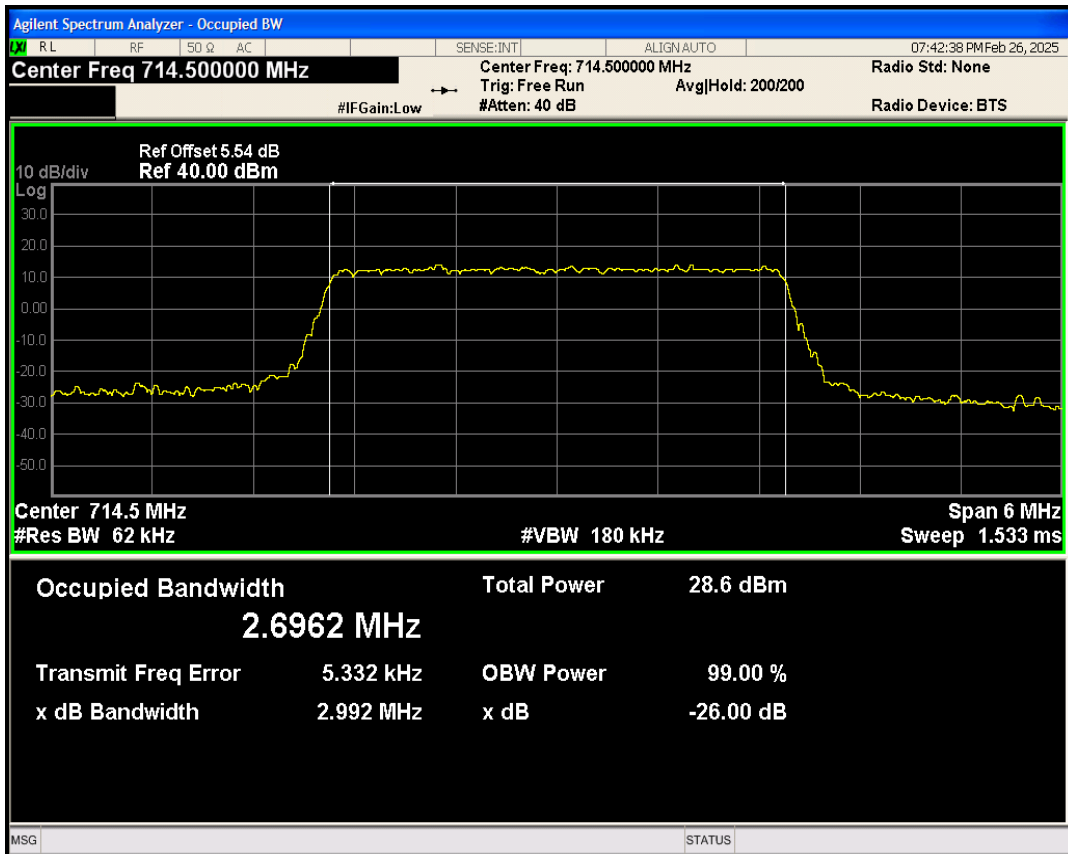
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



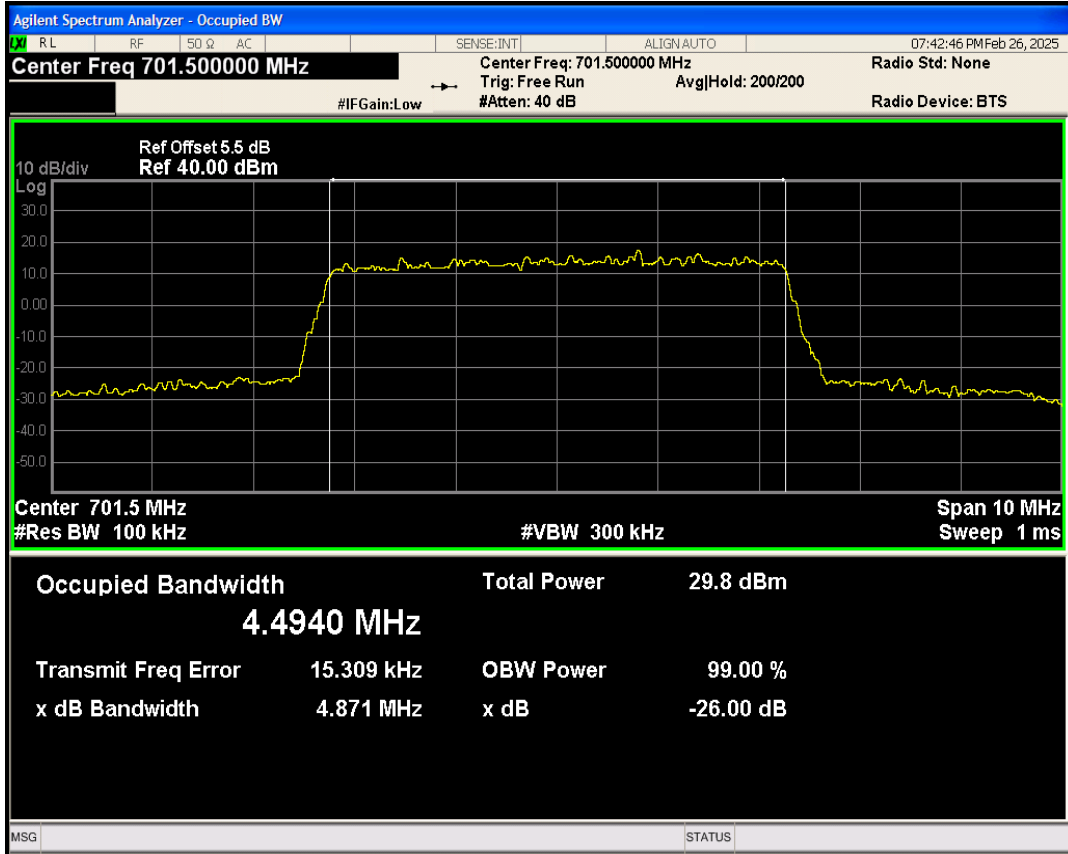
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



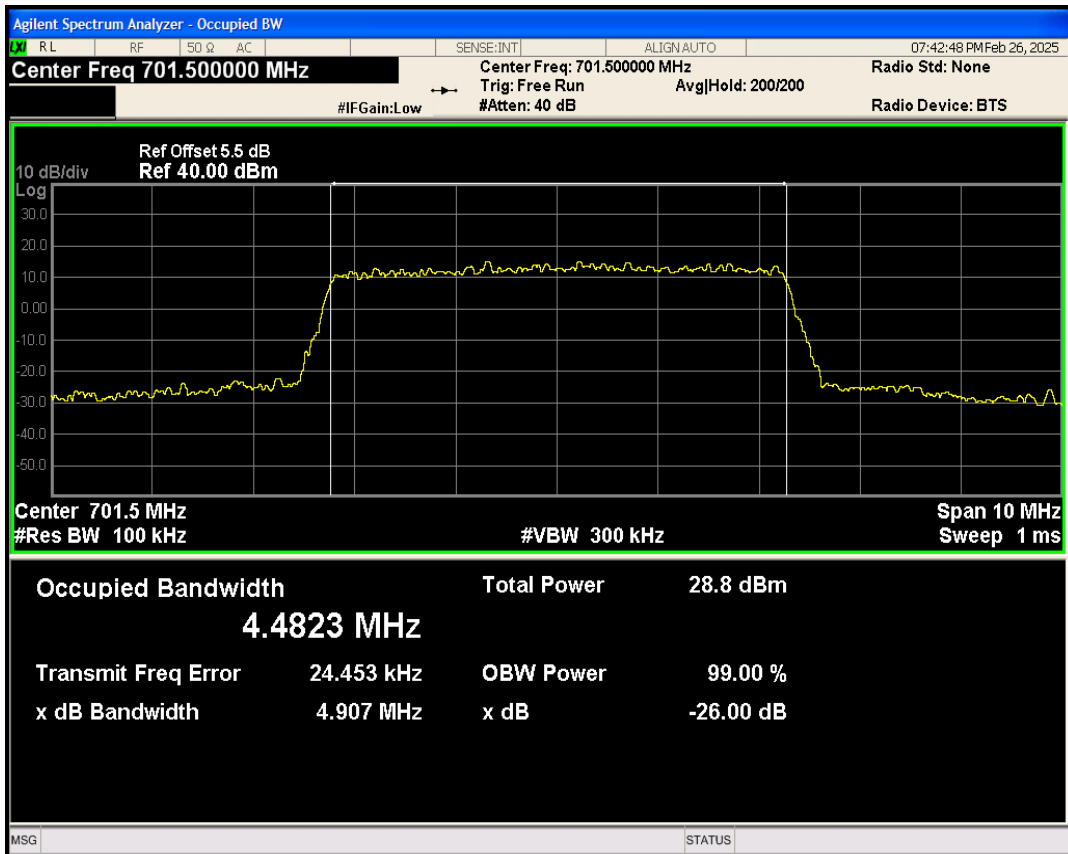
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



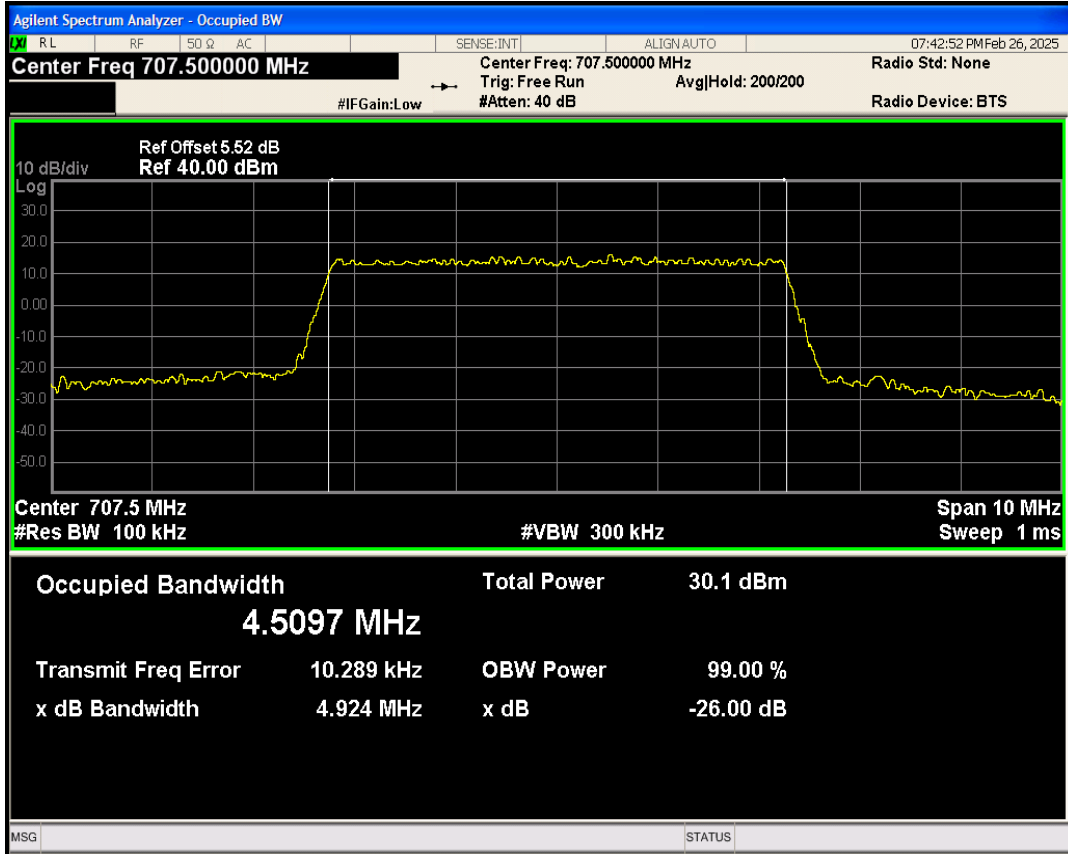
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



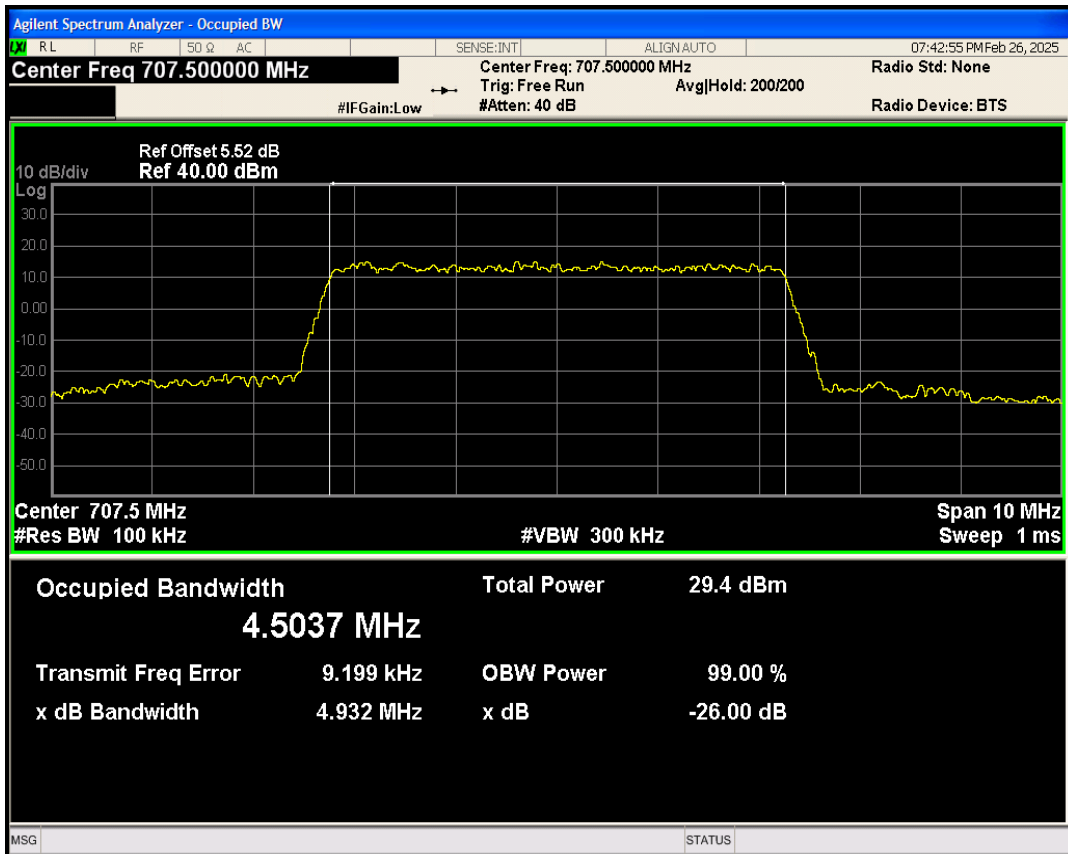
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



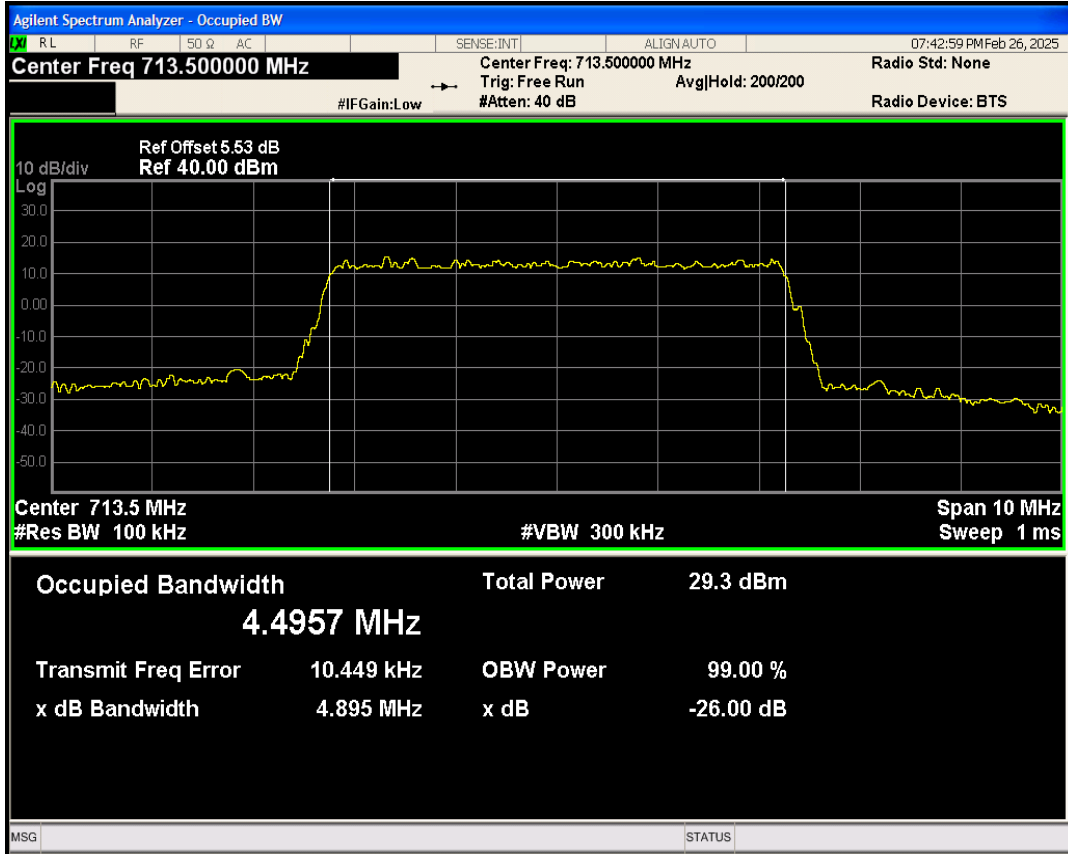
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



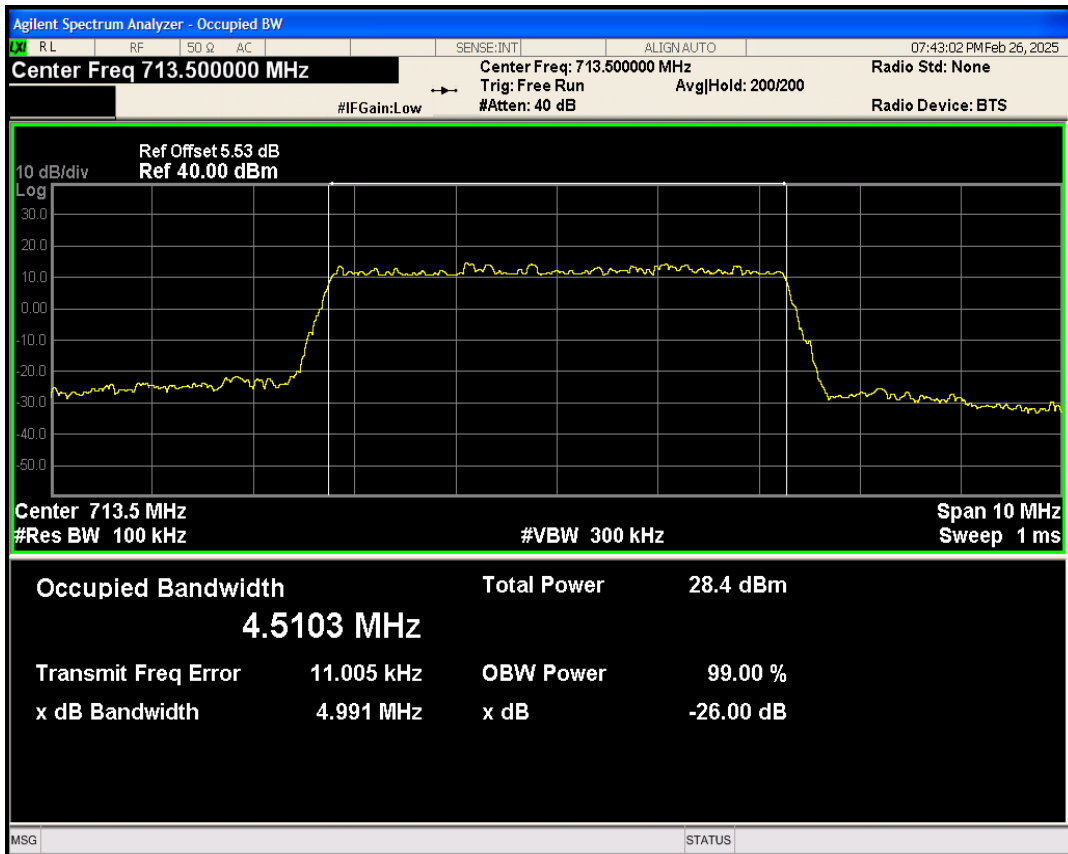
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



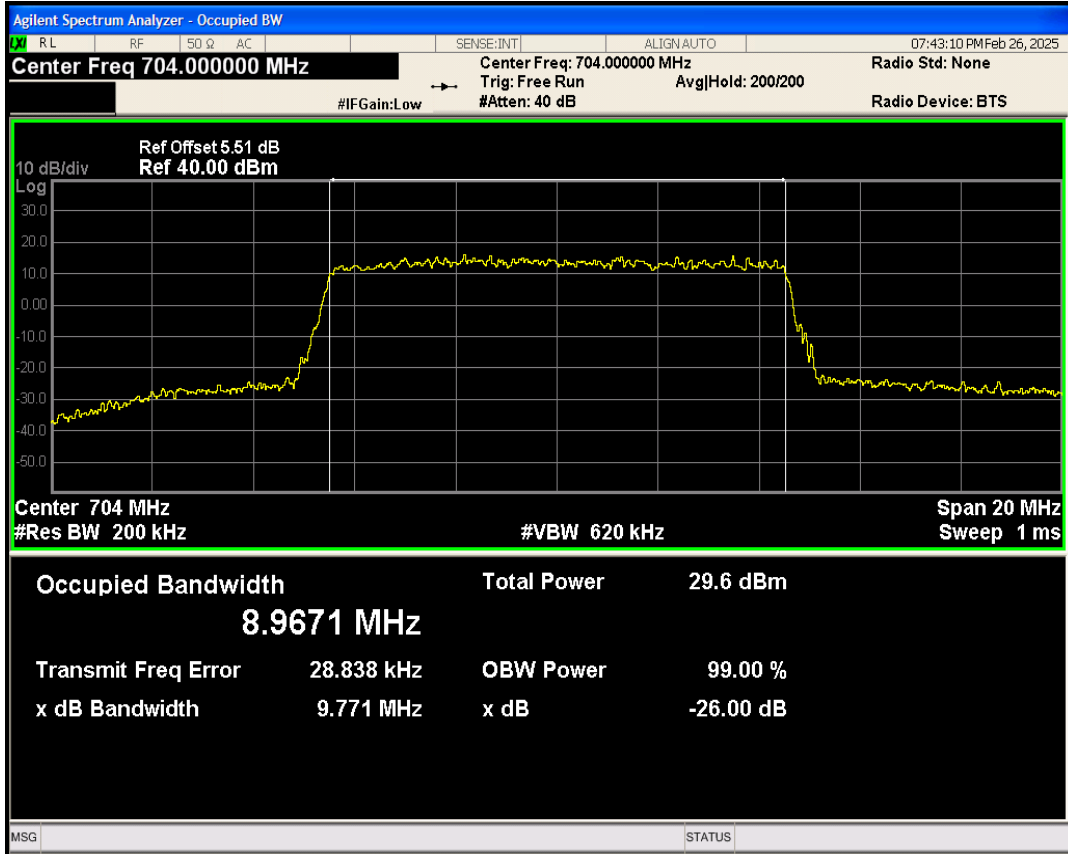
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



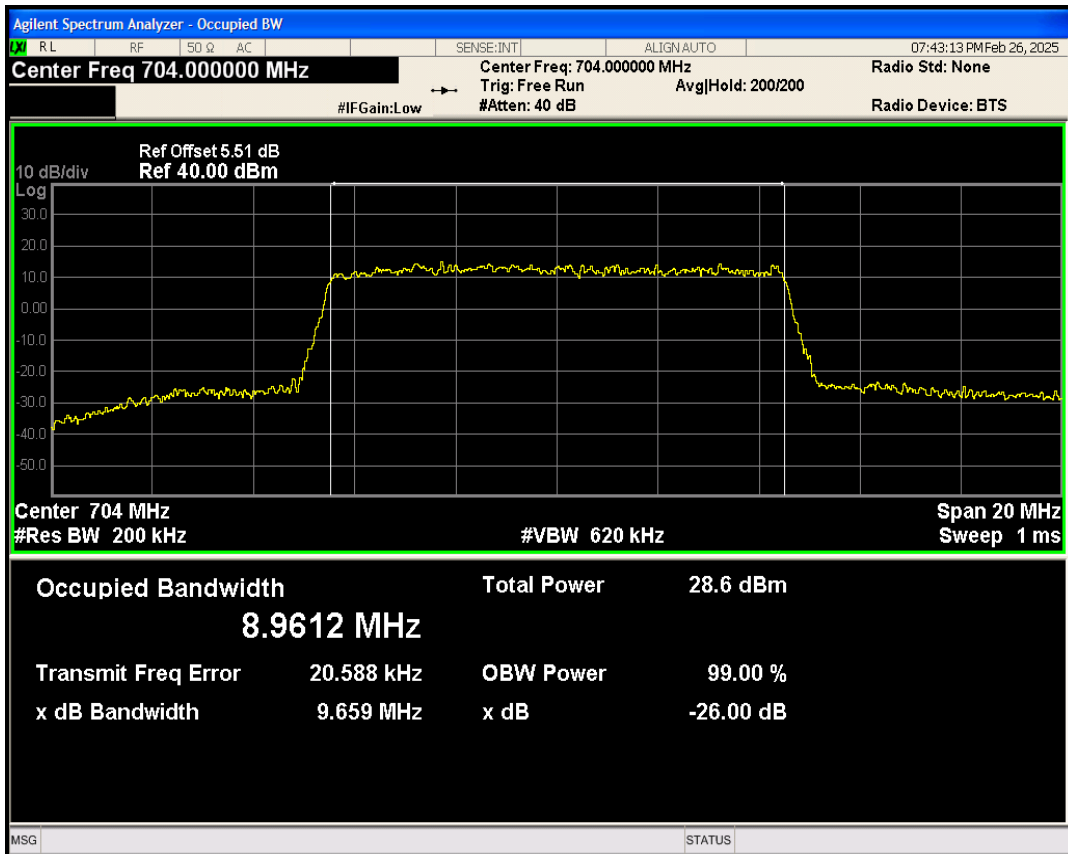
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



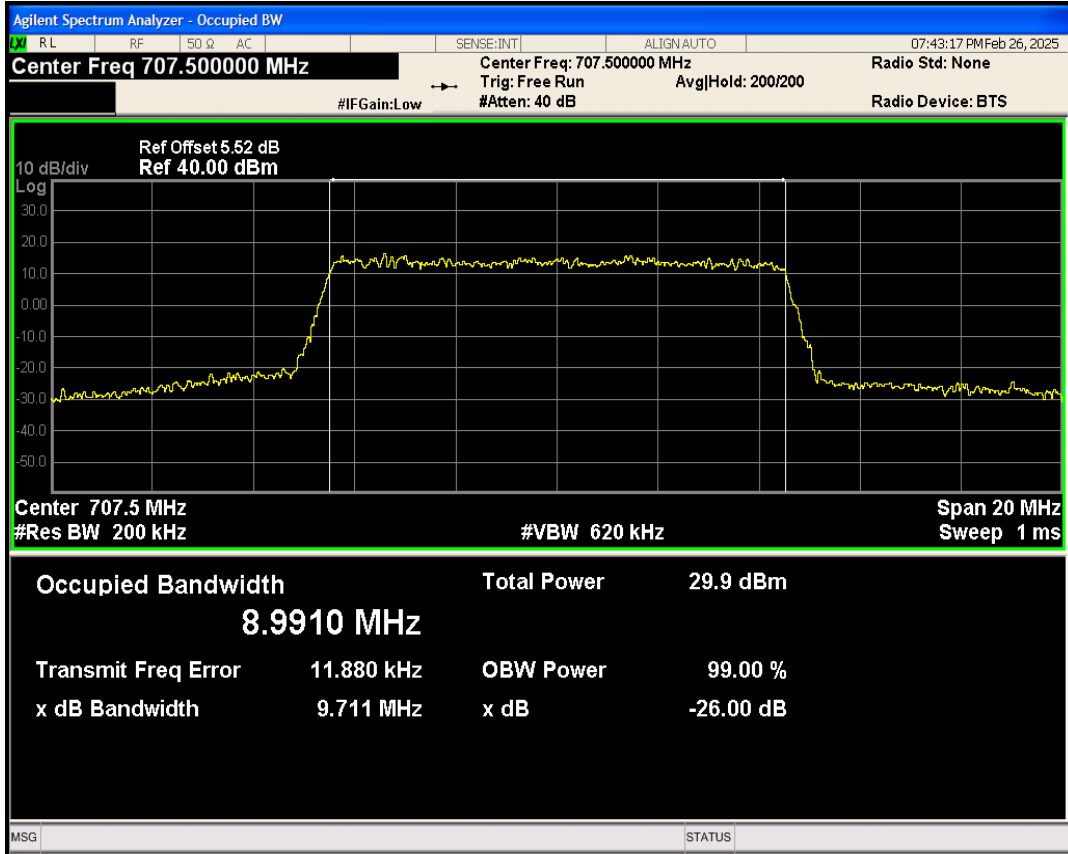
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



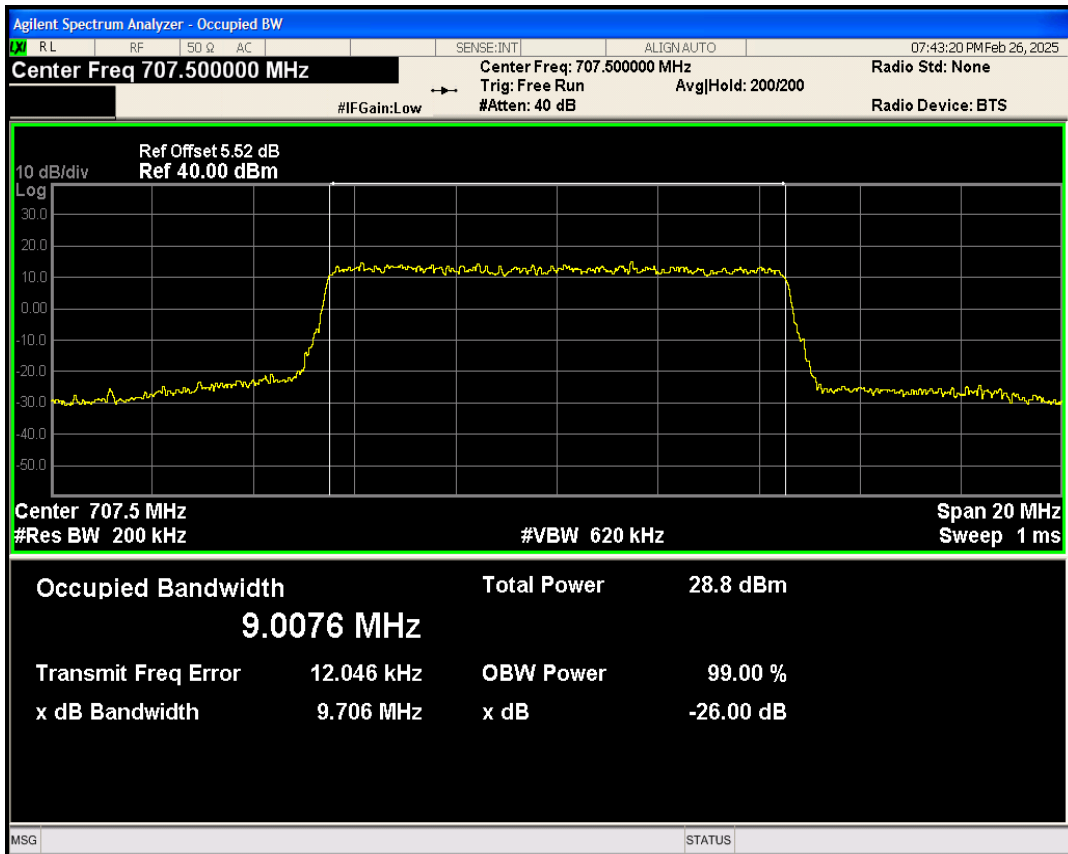
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



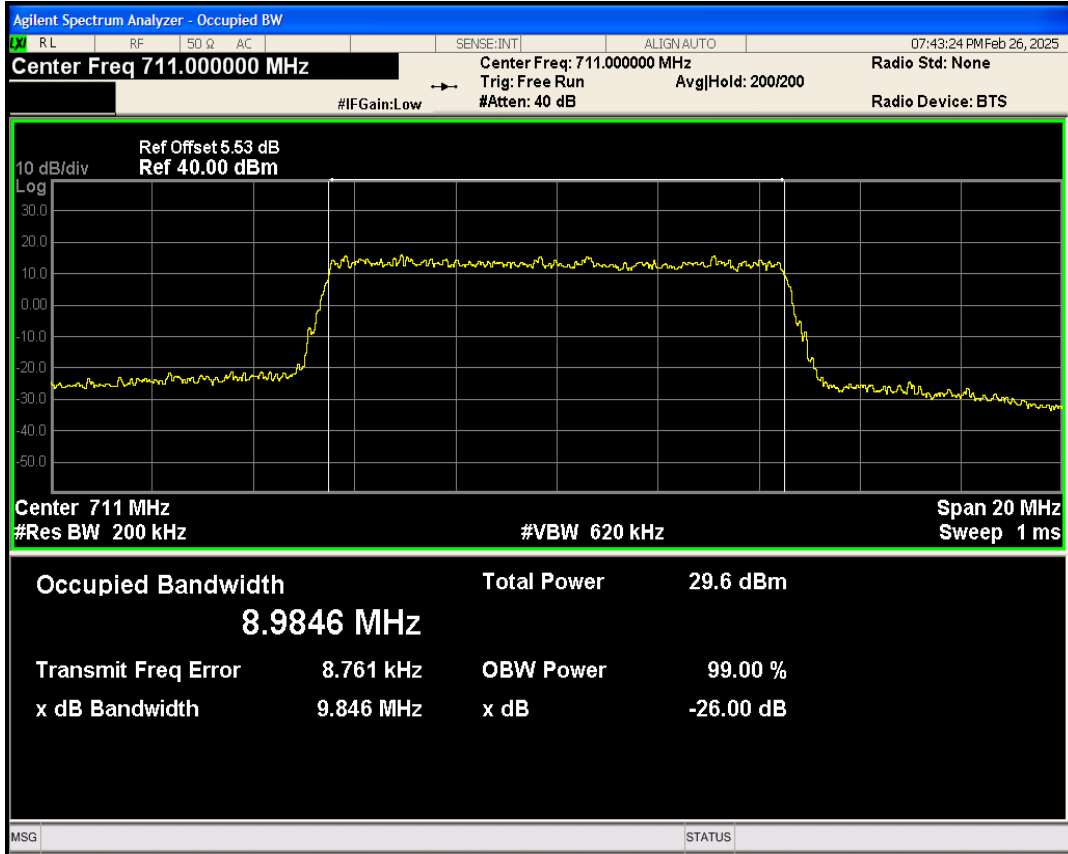
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



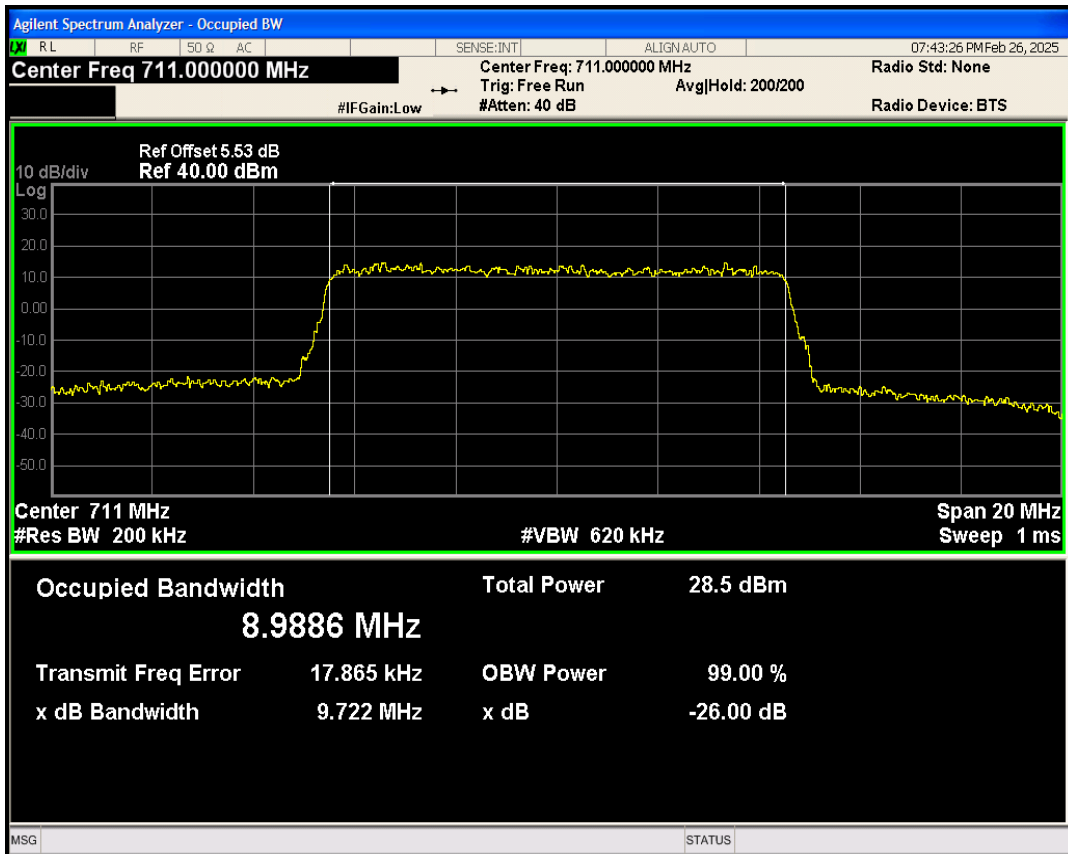
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



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



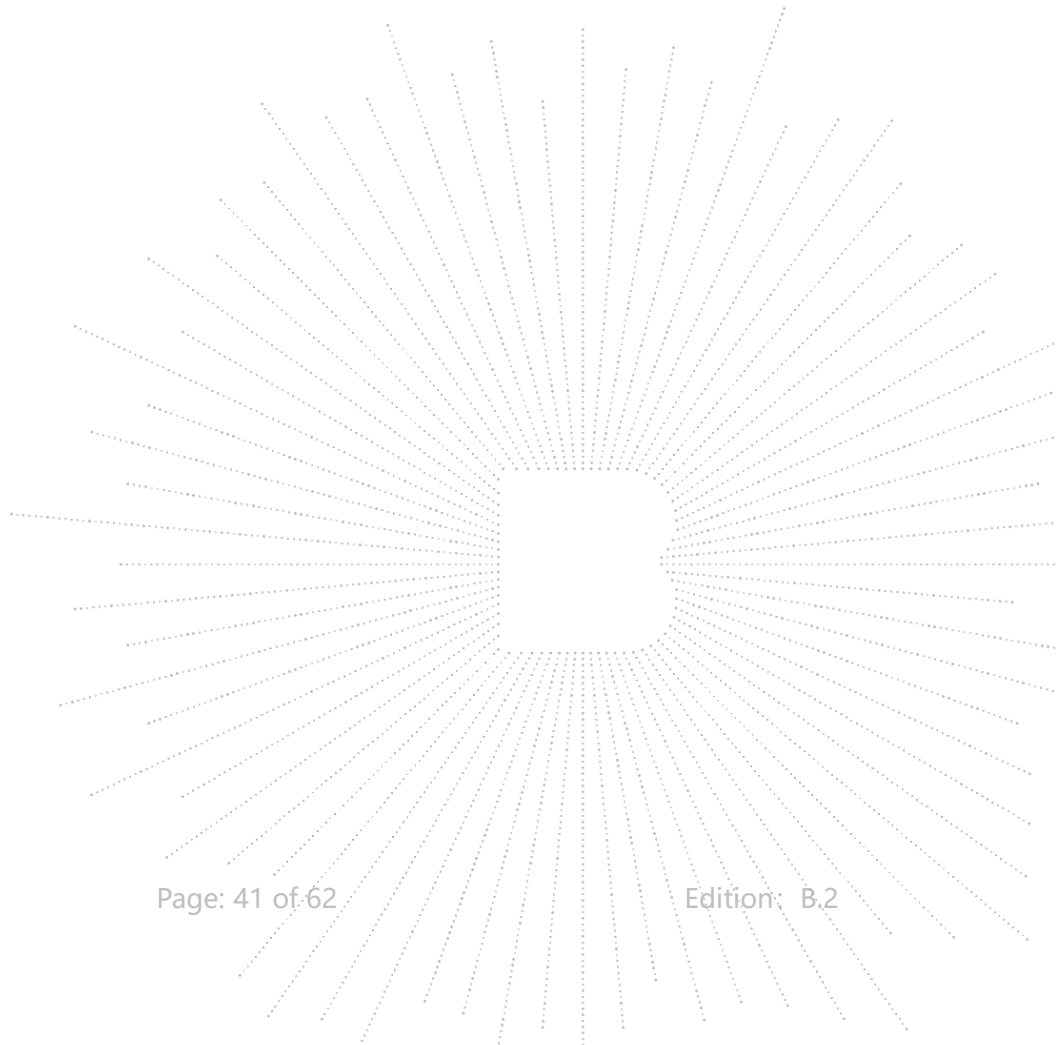
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

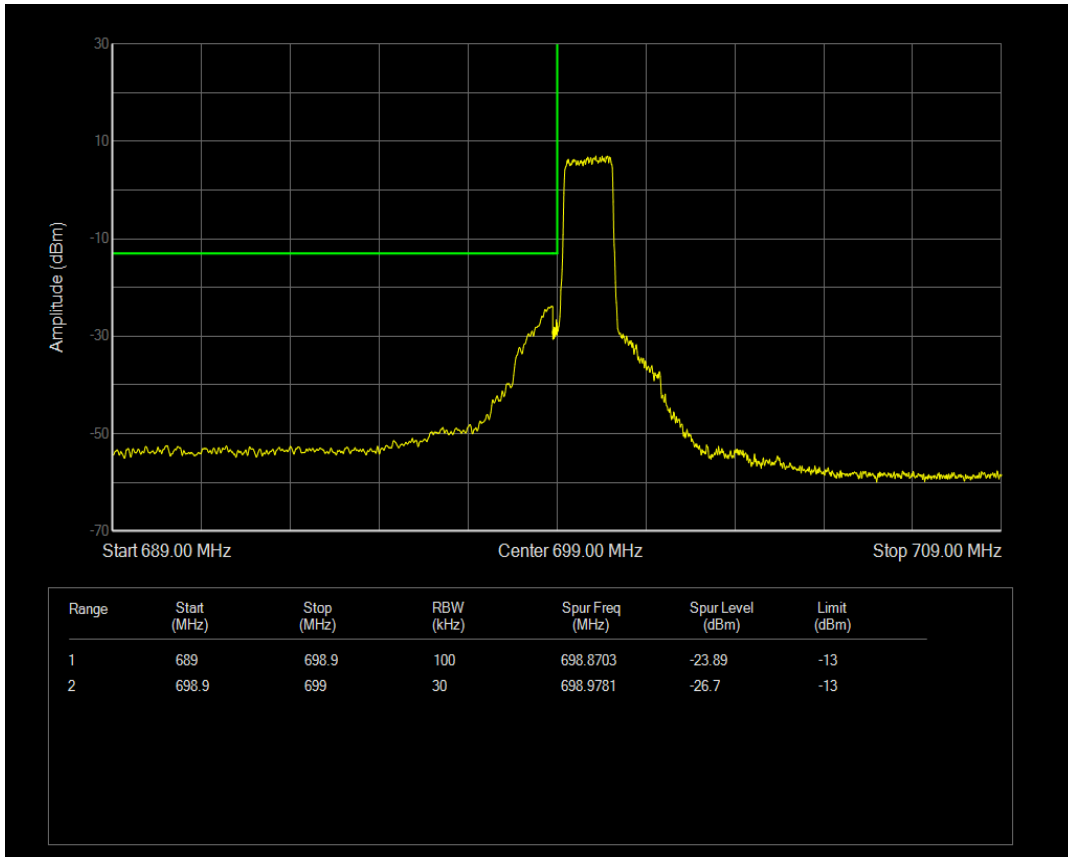


Appendix 5. Band edge

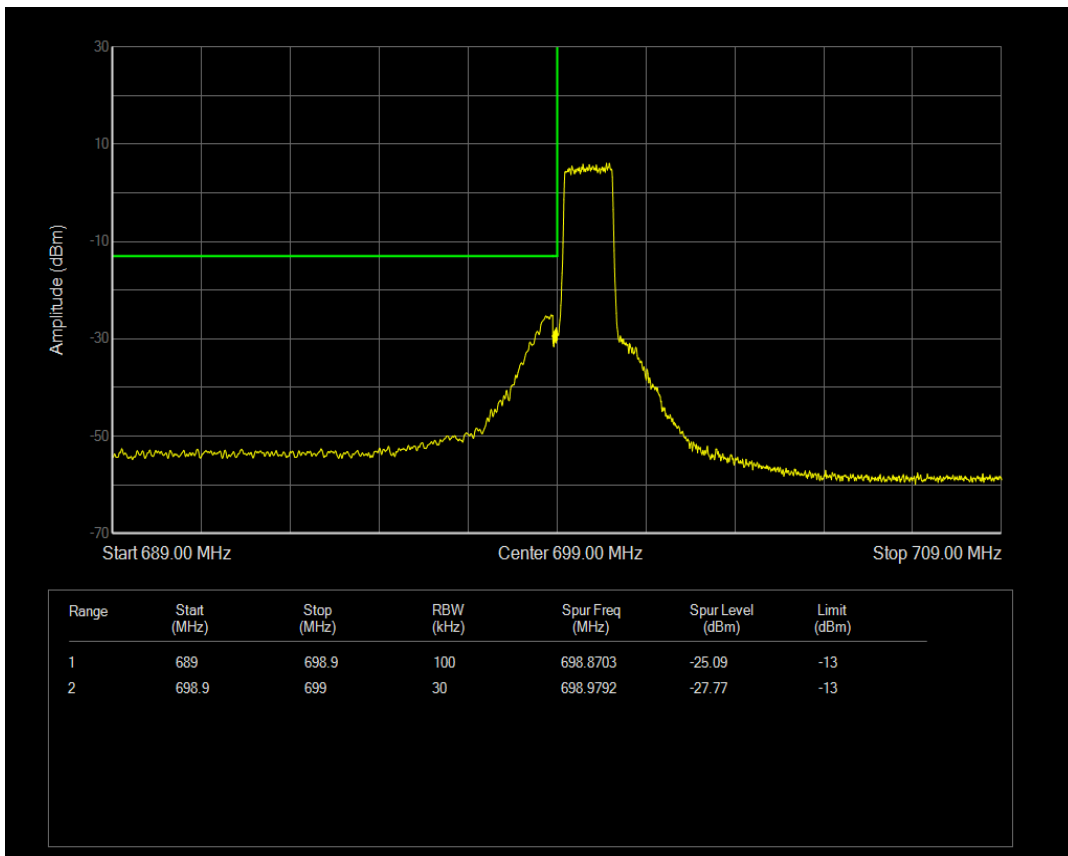
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	698.87	-23.89	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.87	-25.09	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.11	-29.25	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.11	-30.29	-13	PASS
Band12	3	23025	15	#0	QPSK	698.87	-27.32	-13	PASS
Band12	3	23025	15	#0	16QAM	698.90	-27.87	-13	PASS
Band12	3	23165	15	#0	QPSK	716.00	-28.73	-13	PASS
Band12	3	23165	15	#0	16QAM	716.01	-29.20	-13	PASS
Band12	5	23035	25	#0	QPSK	698.90	-31.26	-13	PASS
Band12	5	23035	25	#0	16QAM	698.84	-32.26	-13	PASS
Band12	5	23155	25	#0	QPSK	716.00	-32.60	-13	PASS
Band12	5	23155	25	#0	16QAM	716.11	-33.65	-13	PASS
Band12	10	23060	50	#0	QPSK	698.90	-34.78	-13	PASS
Band12	10	23060	50	#0	16QAM	698.54	-36.23	-13	PASS
Band12	10	23130	50	#0	QPSK	716.24	-34.66	-13	PASS
Band12	10	23130	50	#0	16QAM	716.12	-34.64	-13	PASS

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

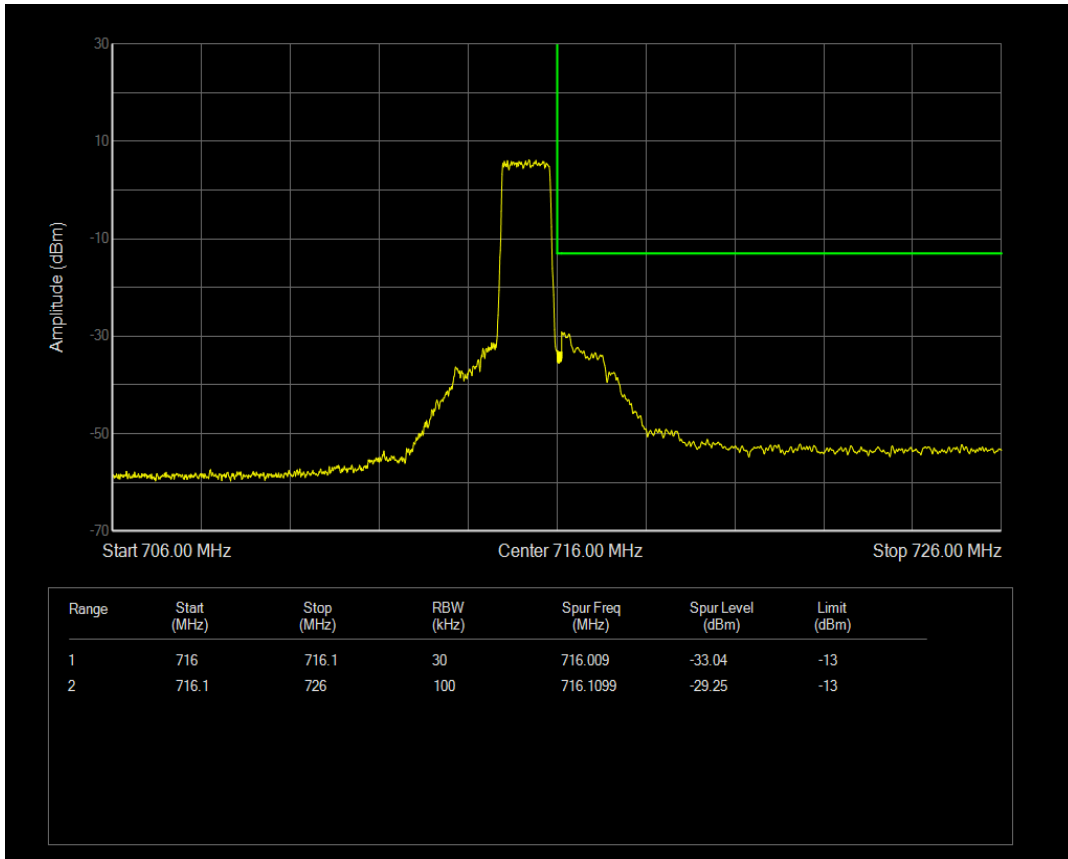




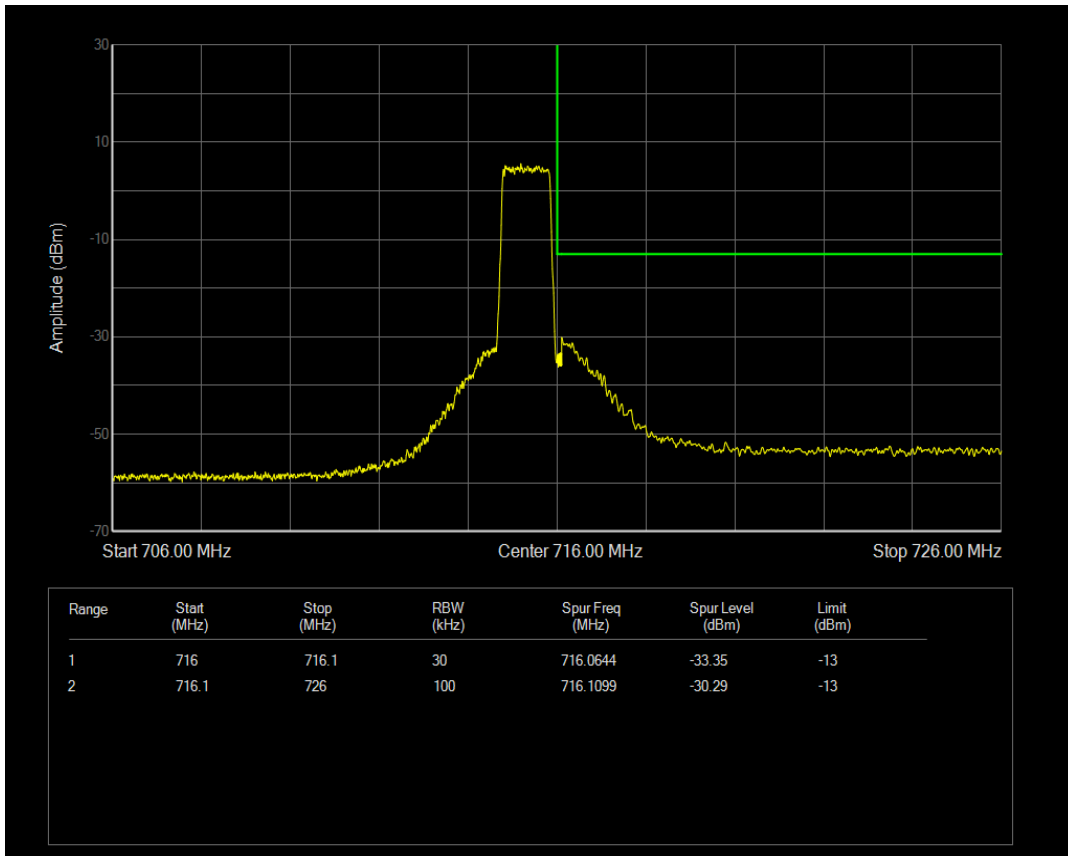
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



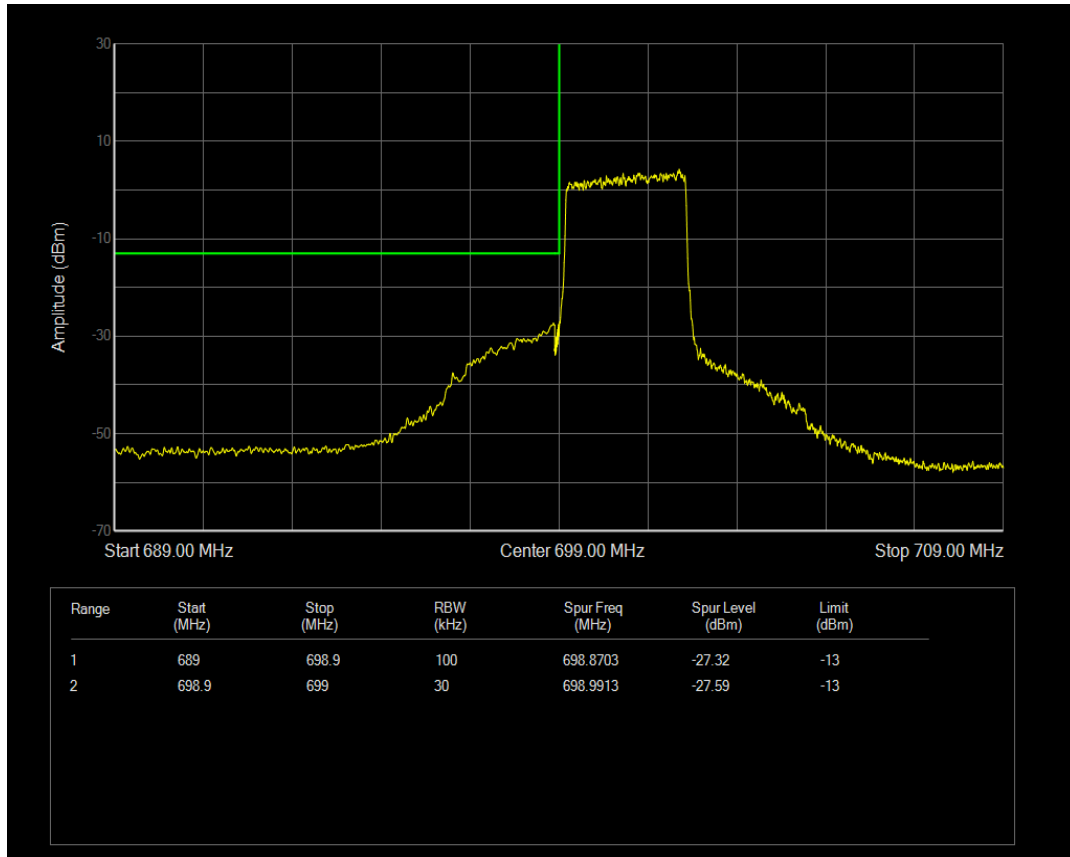
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



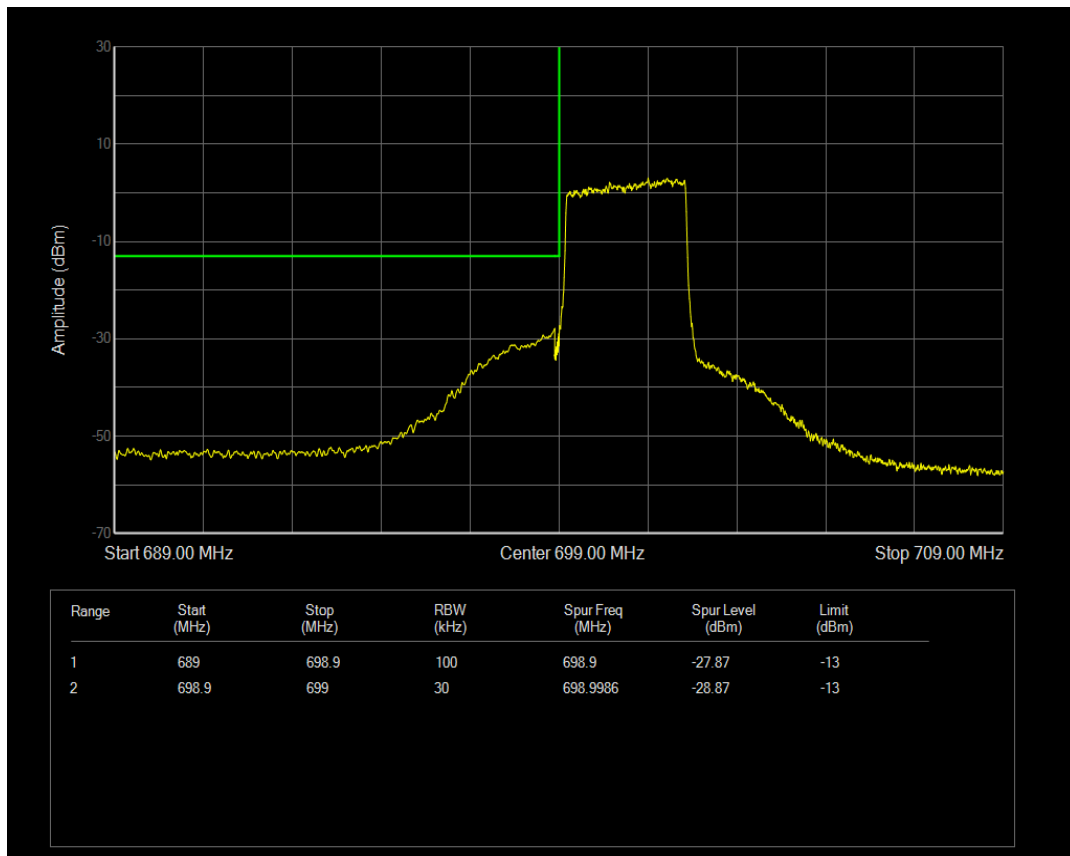
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



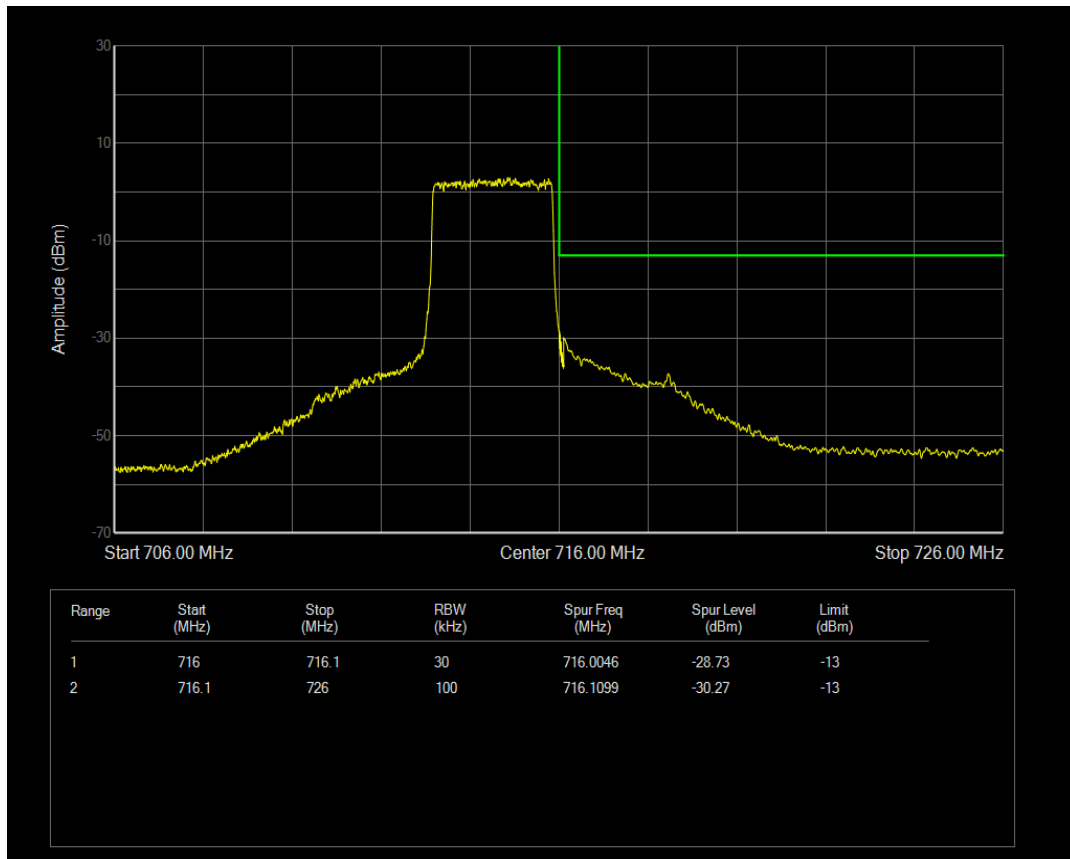
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



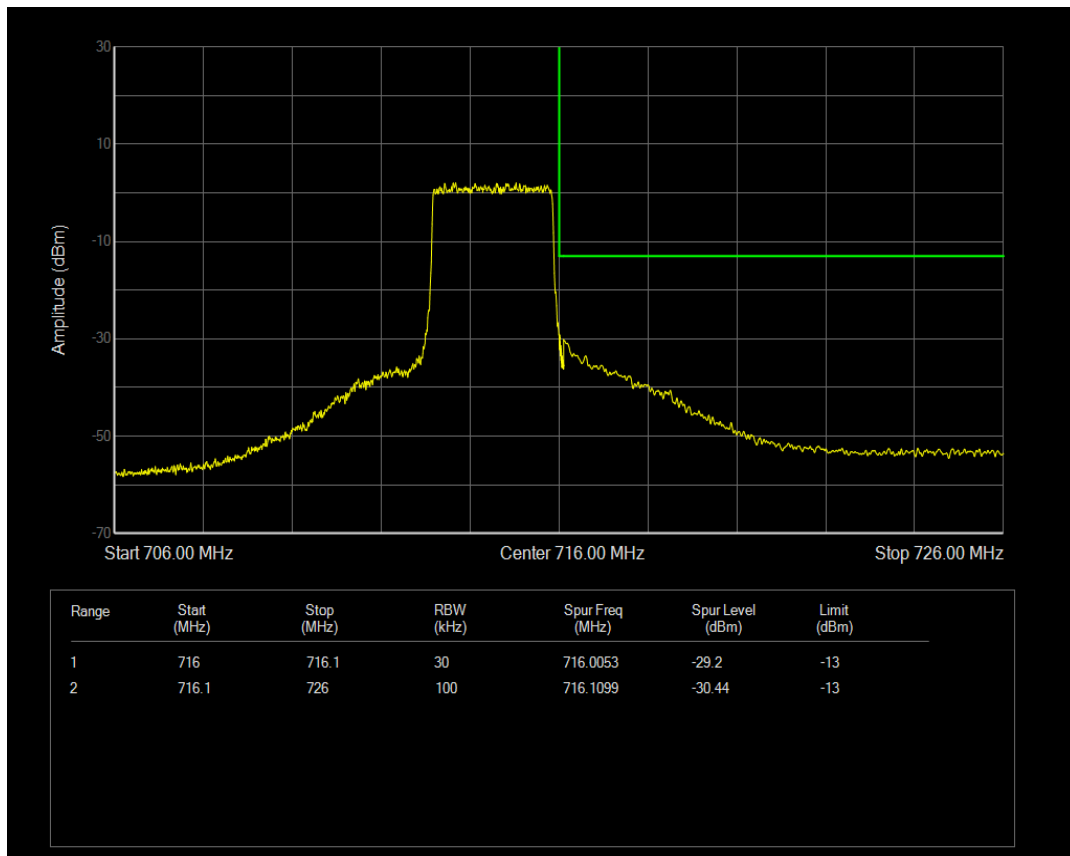
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



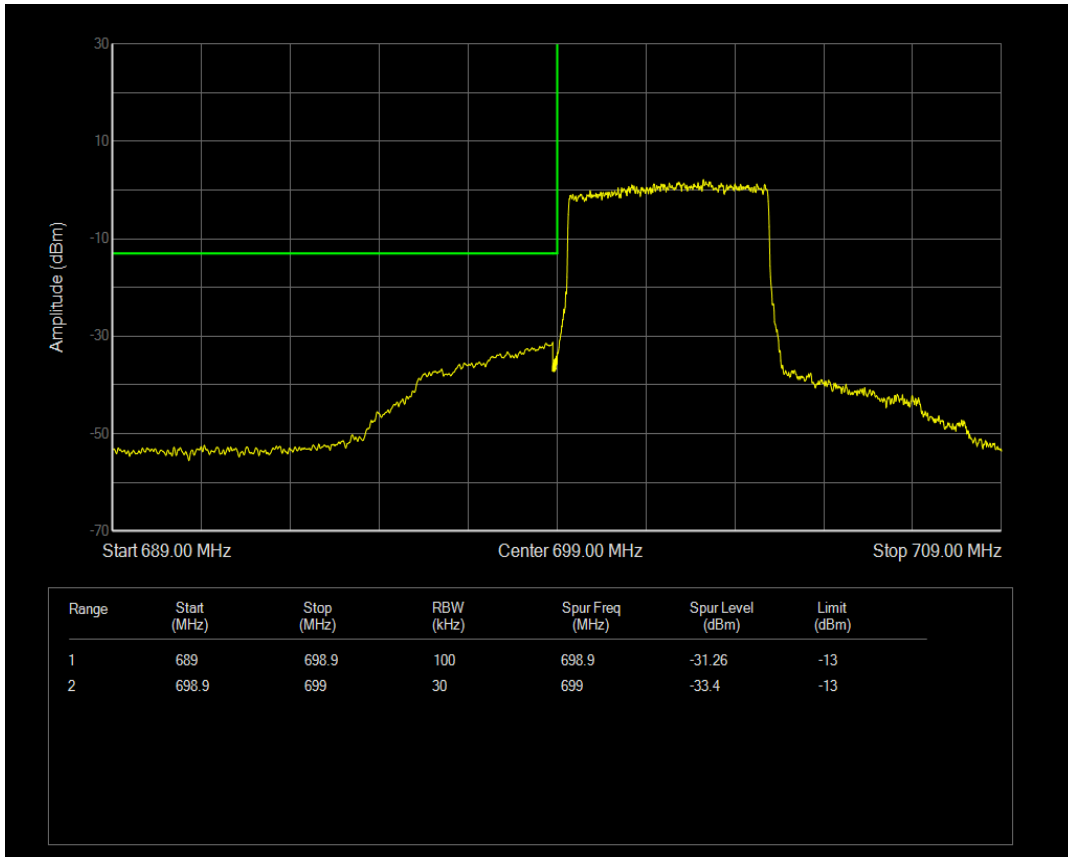
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



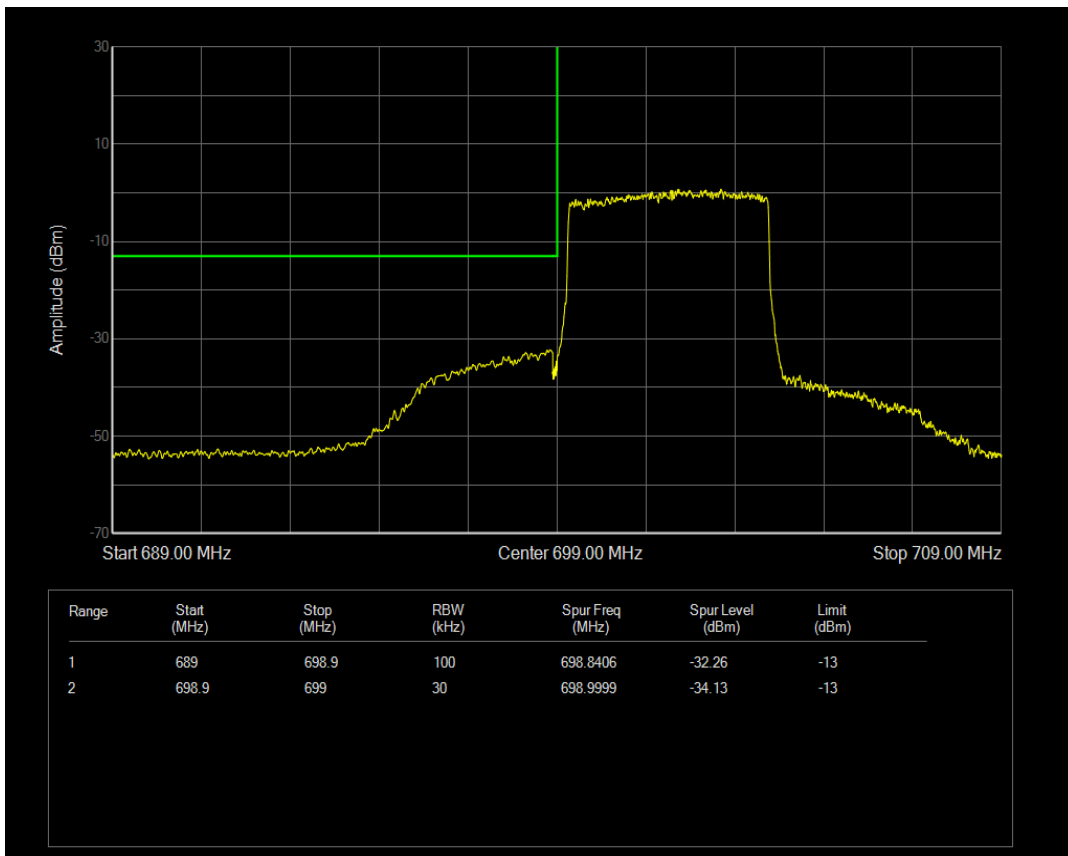
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



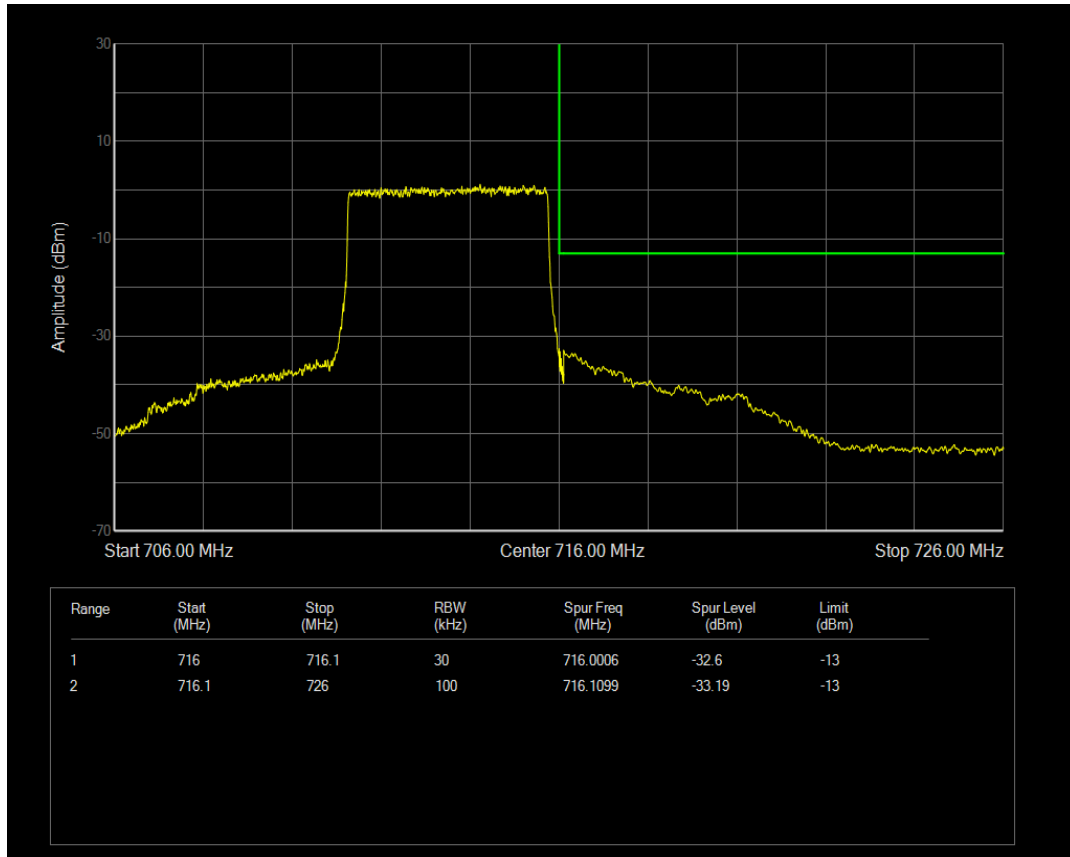
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



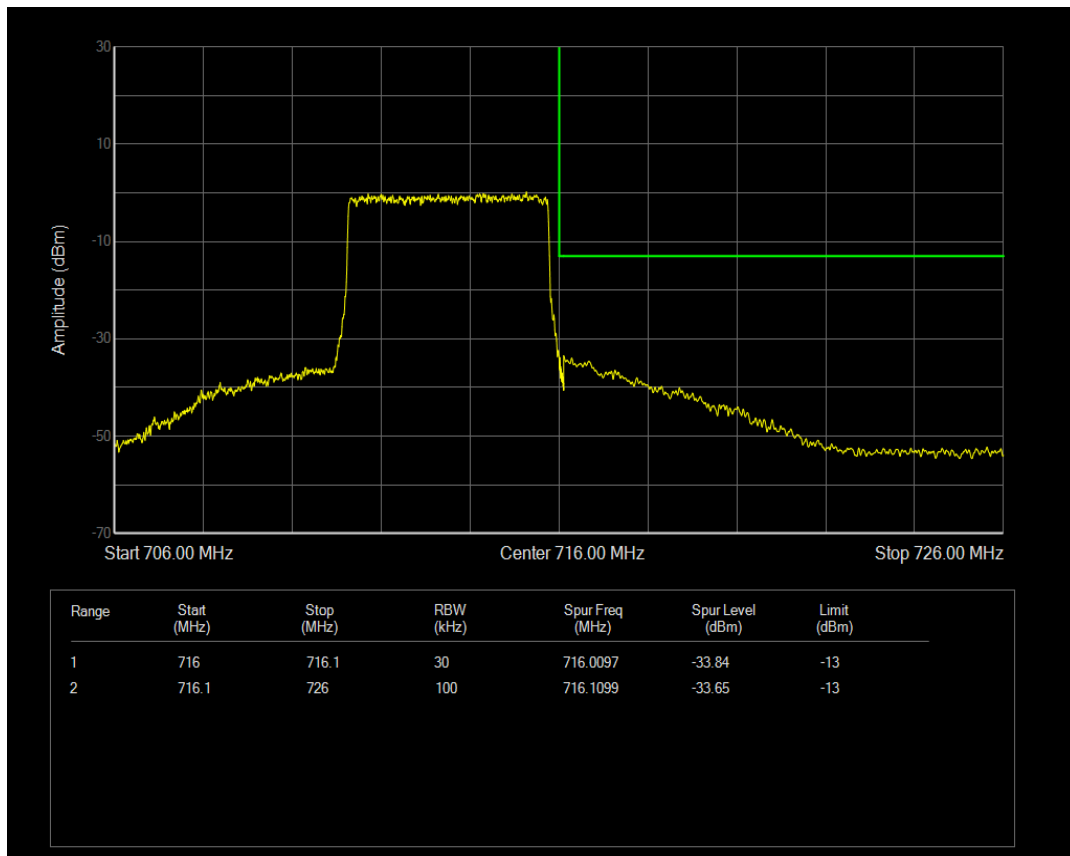
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



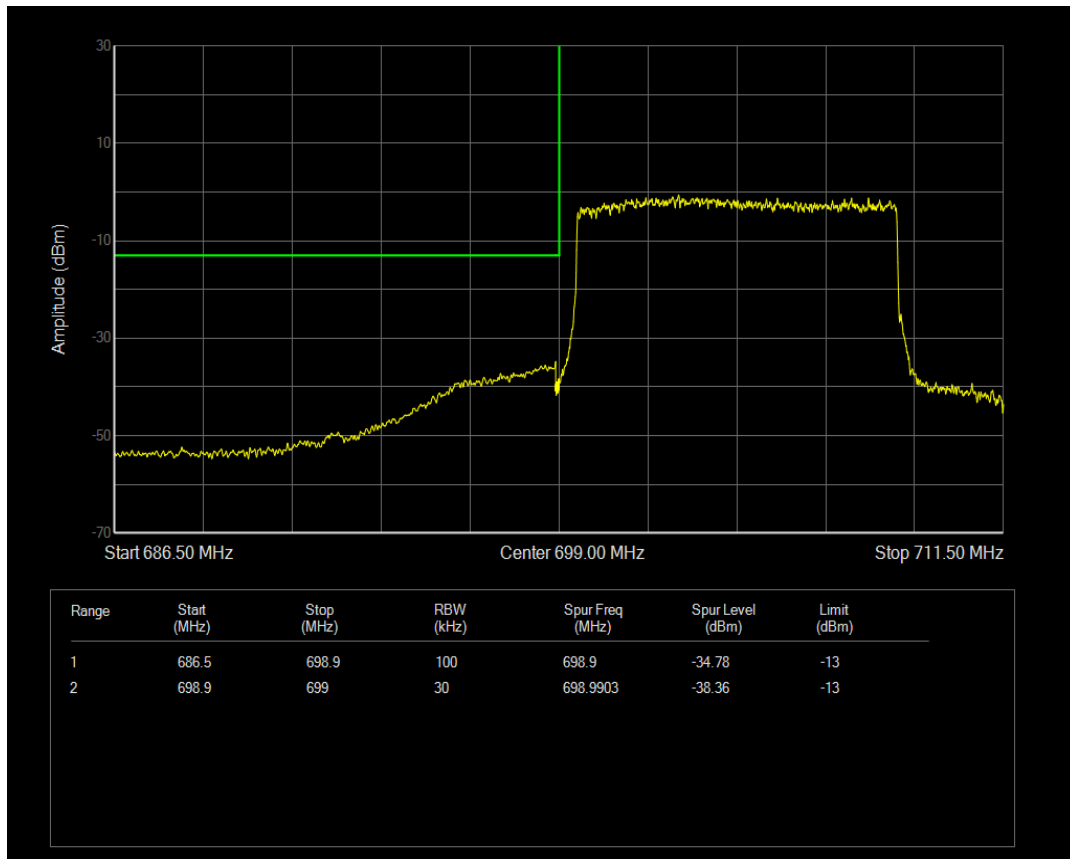
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



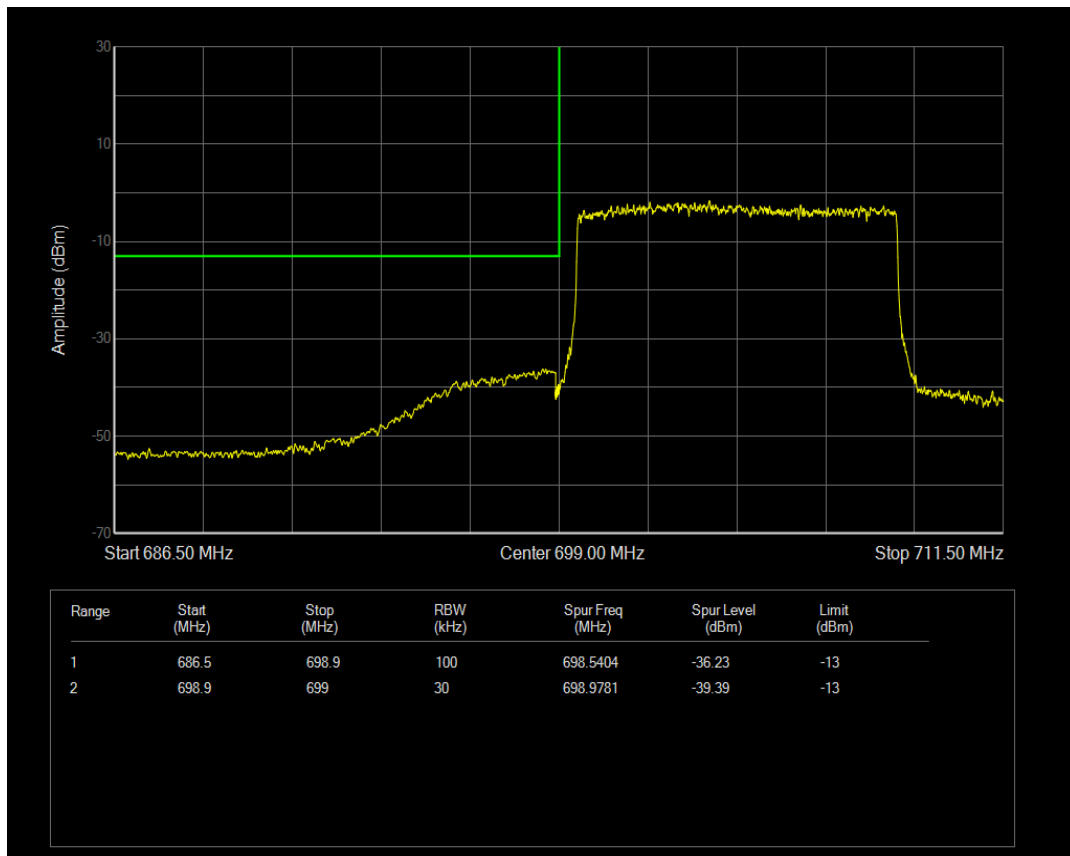
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



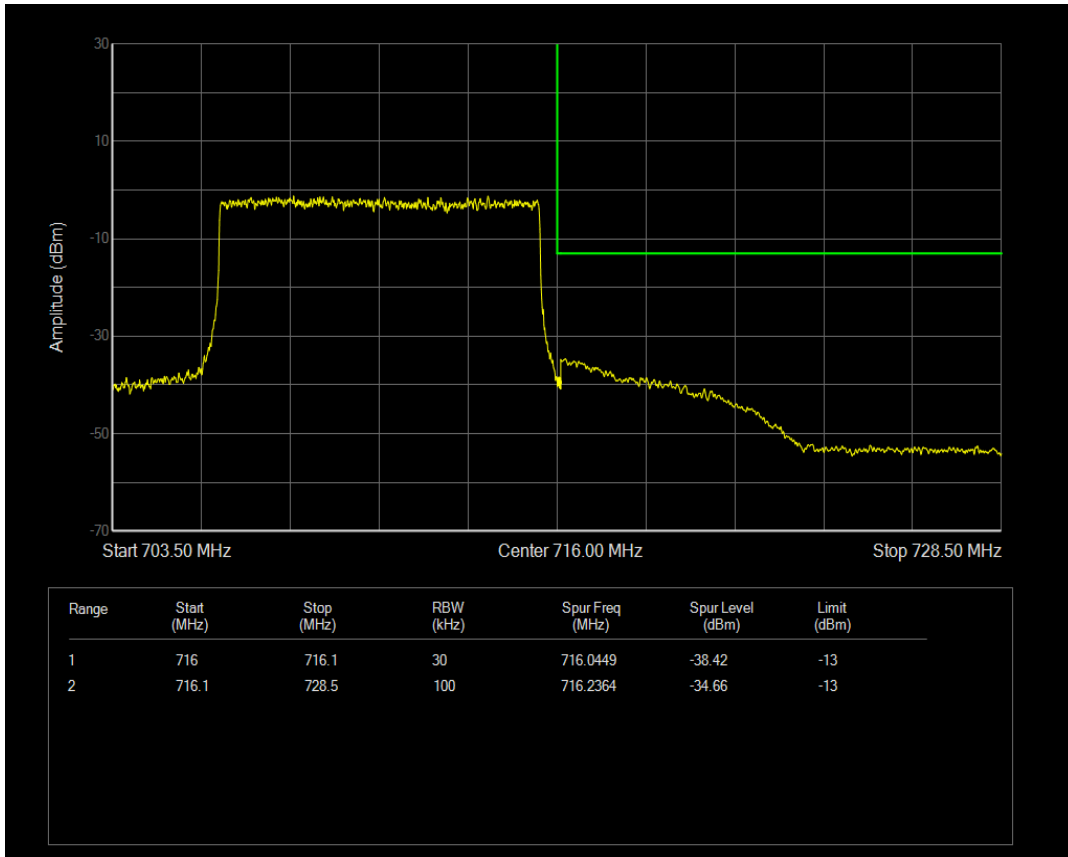
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



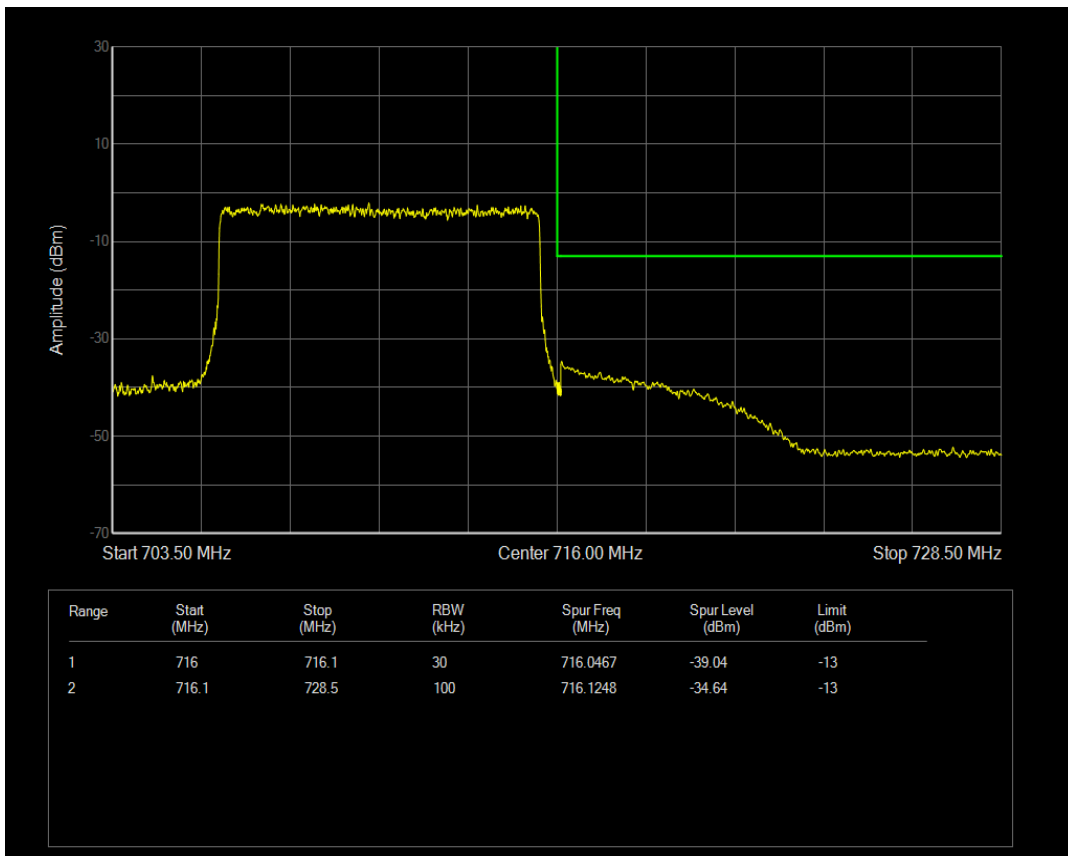
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



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



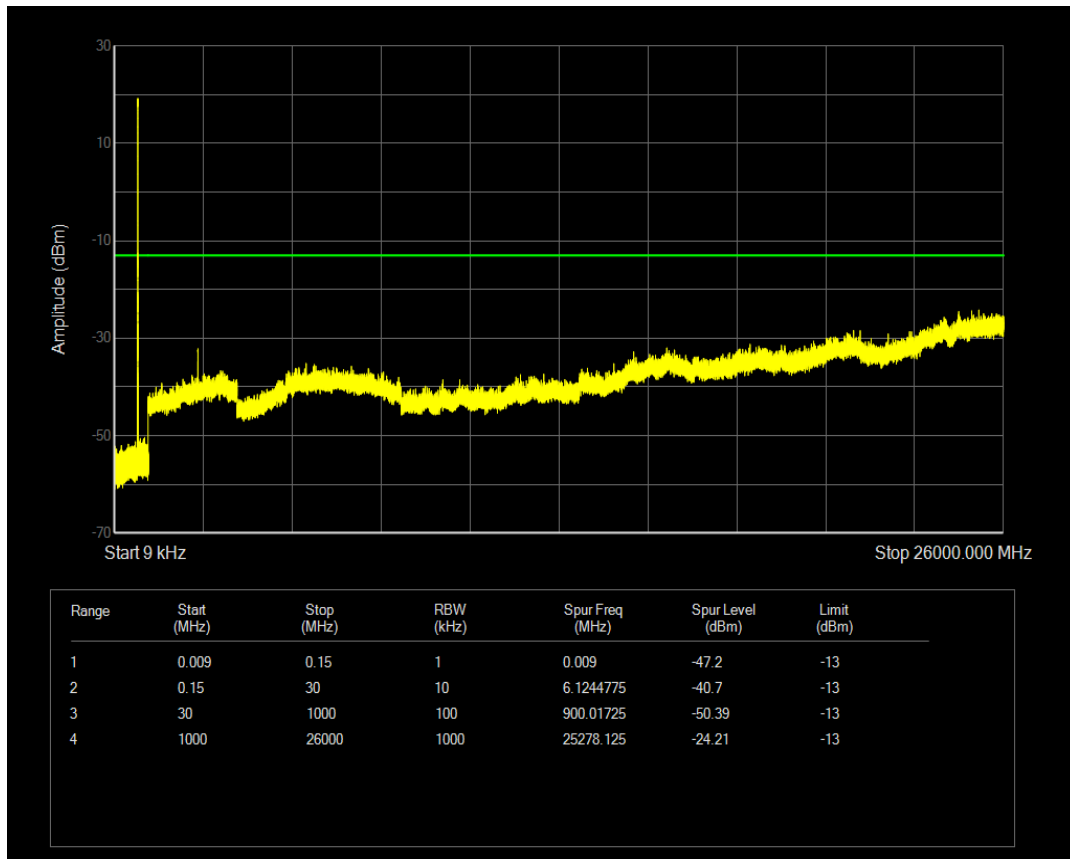
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



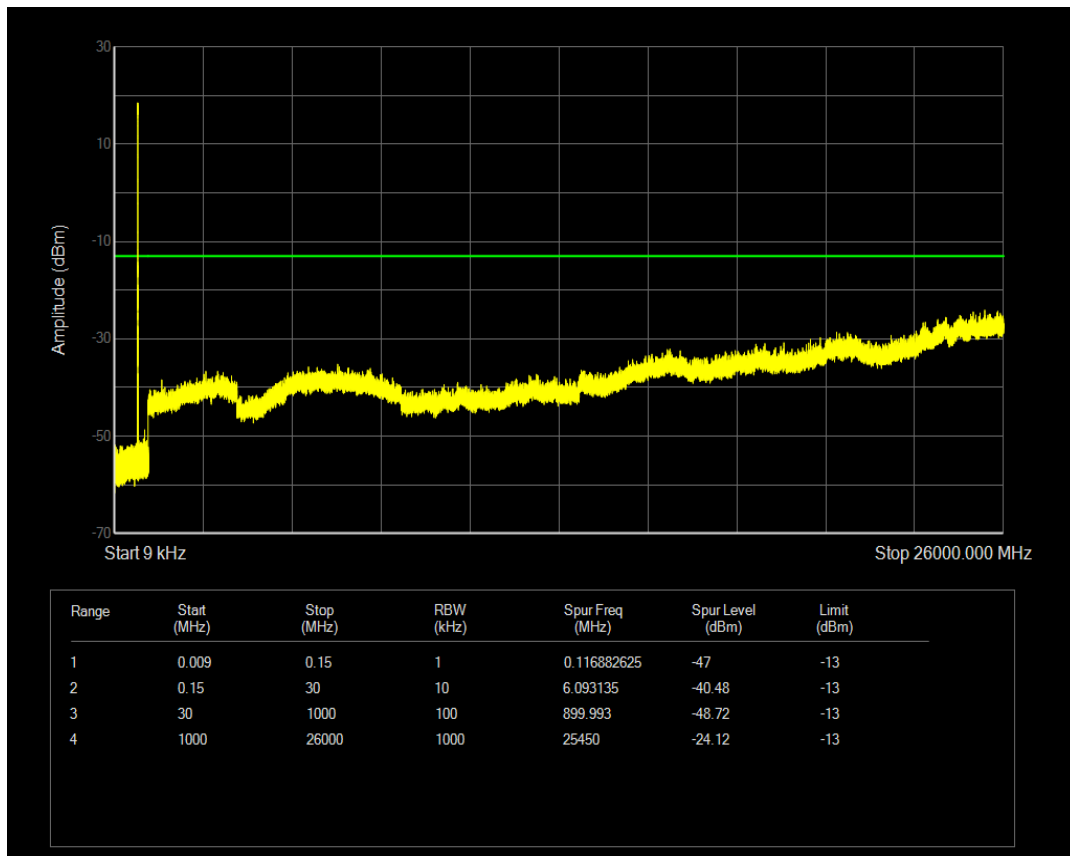
Appendix 6. Out-of-band emissions

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	25278.13	-24.21	-13	PASS
Band12	1.4	23017	6	#0	16QAM	25450.00	-24.12	-13	PASS
Band12	1.4	23095	6	#0	QPSK	25250.00	-23.33	-13	PASS
Band12	1.4	23095	6	#0	16QAM	25988.75	-23.75	-13	PASS
Band12	1.4	23173	6	#0	QPSK	25456.25	-24.12	-13	PASS
Band12	1.4	23173	6	#0	16QAM	24705.63	-24.19	-13	PASS
Band12	3	23025	15	#0	QPSK	25780.00	-24.36	-13	PASS
Band12	3	23025	15	#0	16QAM	25781.25	-24.09	-13	PASS
Band12	3	23095	15	#0	QPSK	25887.50	-24.44	-13	PASS
Band12	3	23095	15	#0	16QAM	25586.25	-23.94	-13	PASS
Band12	3	23165	15	#0	QPSK	24660.63	-24.08	-13	PASS
Band12	3	23165	15	#0	16QAM	25955.63	-24.20	-13	PASS
Band12	5	23035	25	#0	QPSK	25650.00	-24.50	-13	PASS
Band12	5	23035	25	#0	16QAM	25933.13	-23.83	-13	PASS
Band12	5	23095	25	#0	QPSK	24690.00	-24.24	-13	PASS
Band12	5	23095	25	#0	16QAM	25972.50	-23.95	-13	PASS
Band12	5	23155	25	#0	QPSK	25915.00	-24.18	-13	PASS
Band12	5	23155	25	#0	16QAM	25356.25	-24.49	-13	PASS
Band12	10	23060	50	#0	QPSK	25510.00	-24.55	-13	PASS
Band12	10	23060	50	#0	16QAM	25800.63	-24.87	-13	PASS
Band12	10	23095	50	#0	QPSK	25587.50	-23.23	-13	PASS
Band12	10	23095	50	#0	16QAM	25301.88	-24.20	-13	PASS
Band12	10	23130	50	#0	QPSK	25766.88	-24.64	-13	PASS
Band12	10	23130	50	#0	16QAM	25979.38	-24.44	-13	PASS

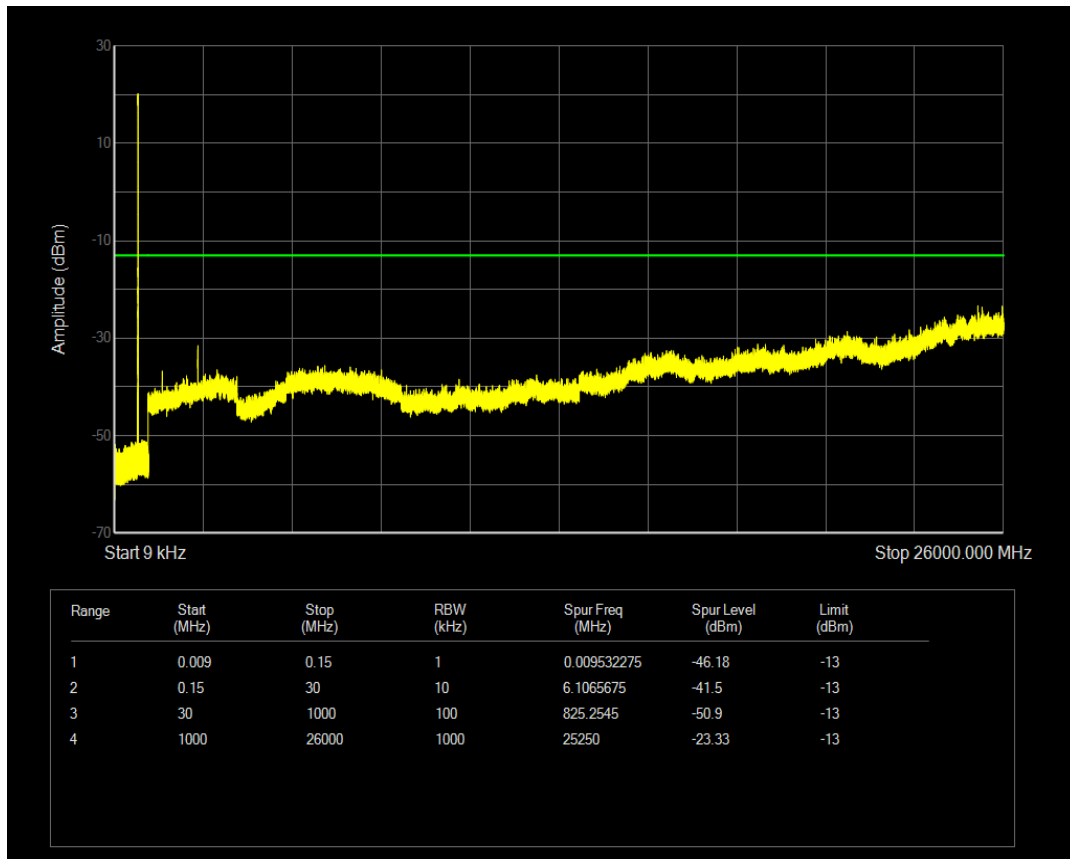
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



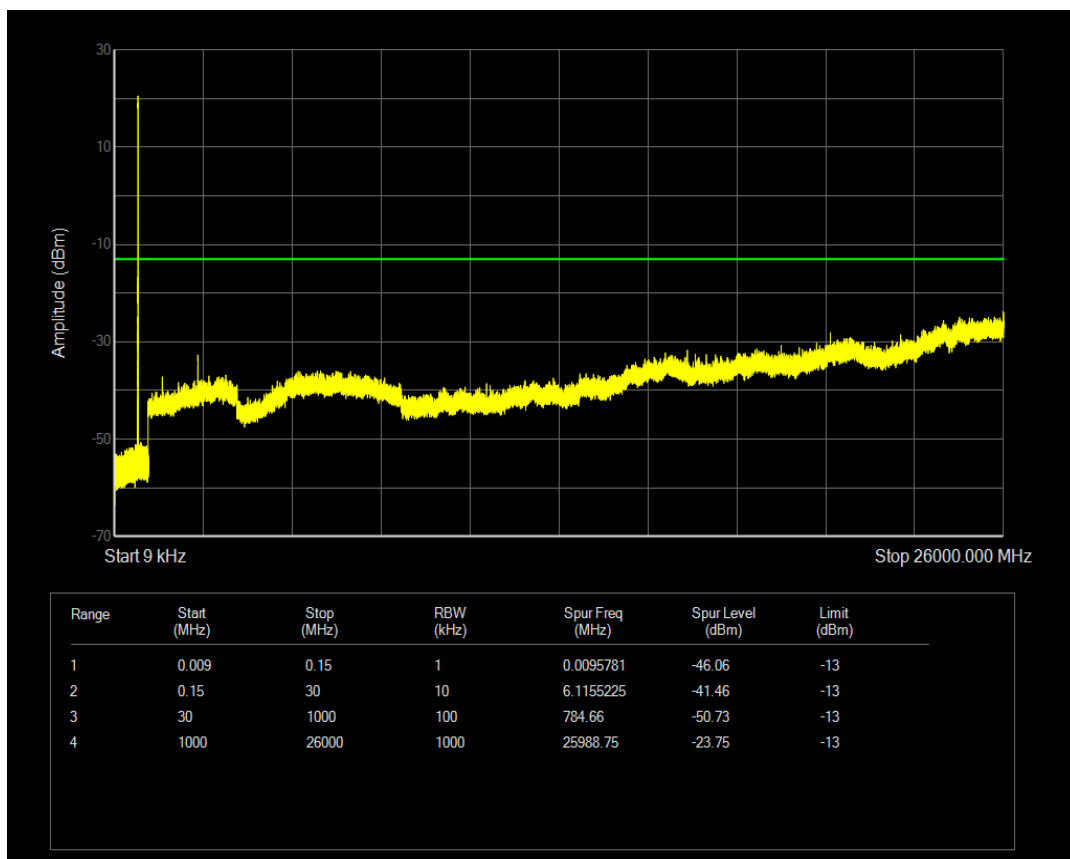
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



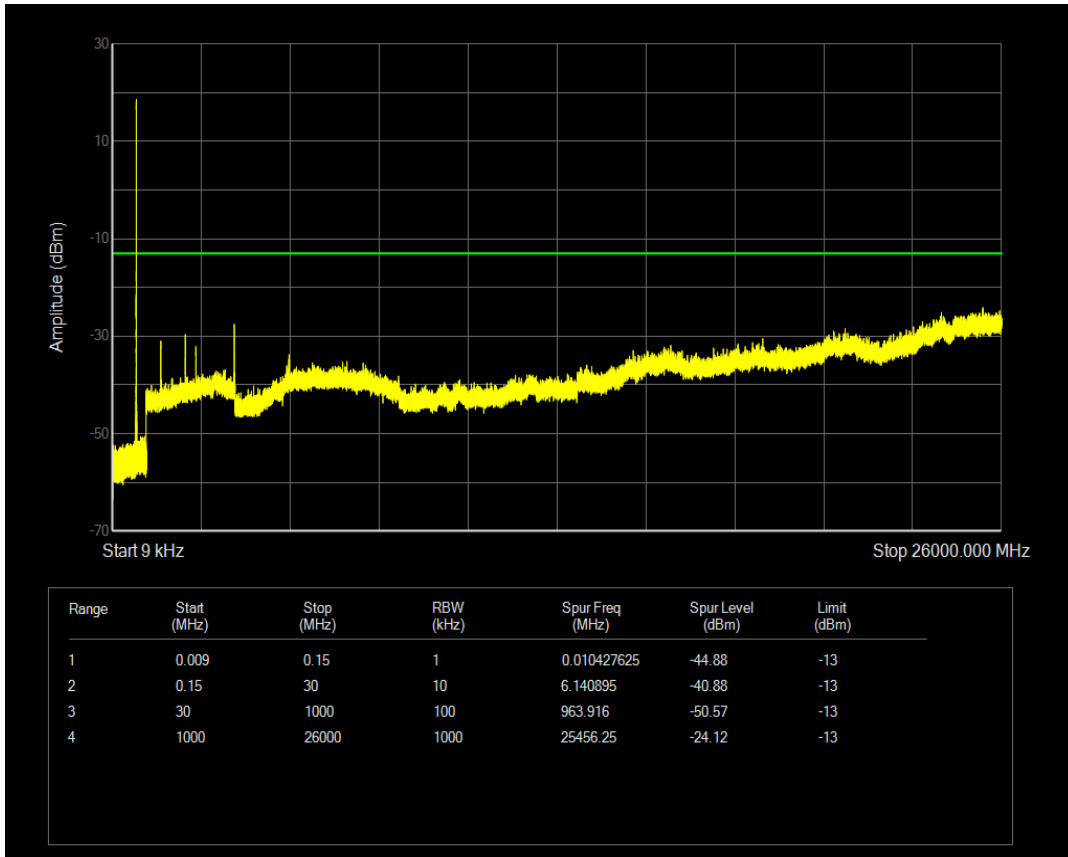
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



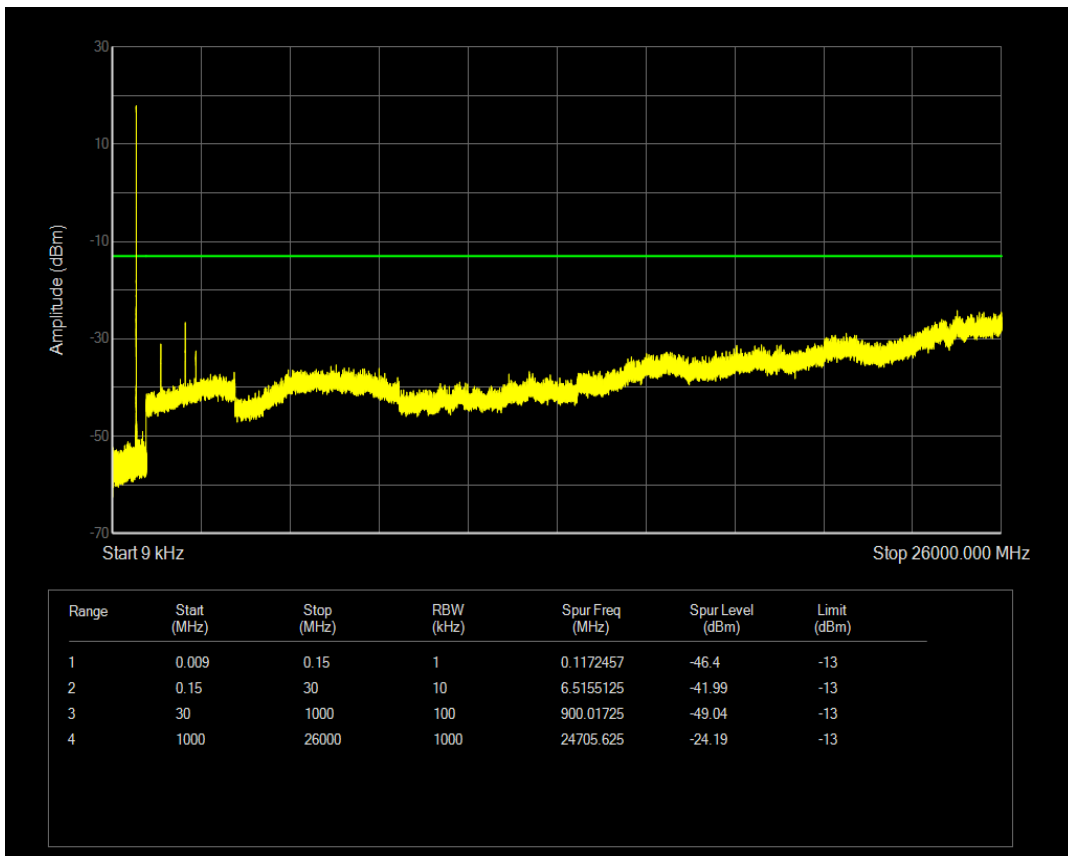
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



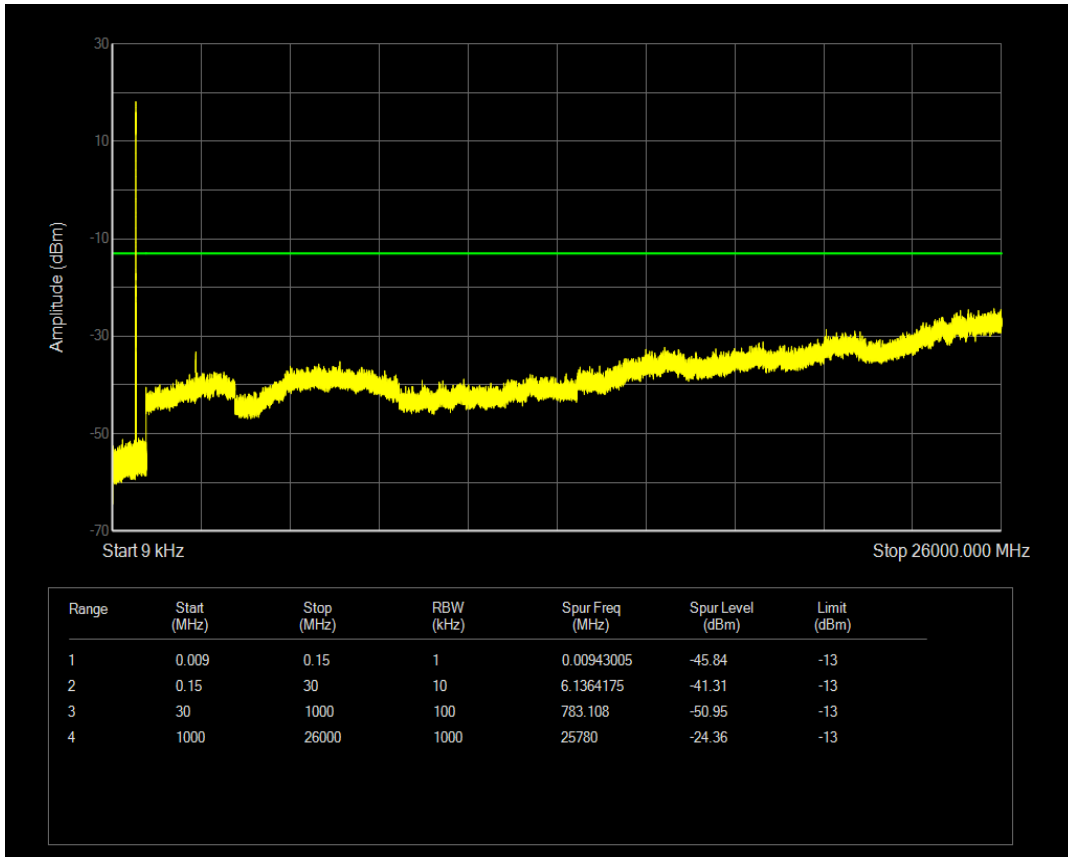
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



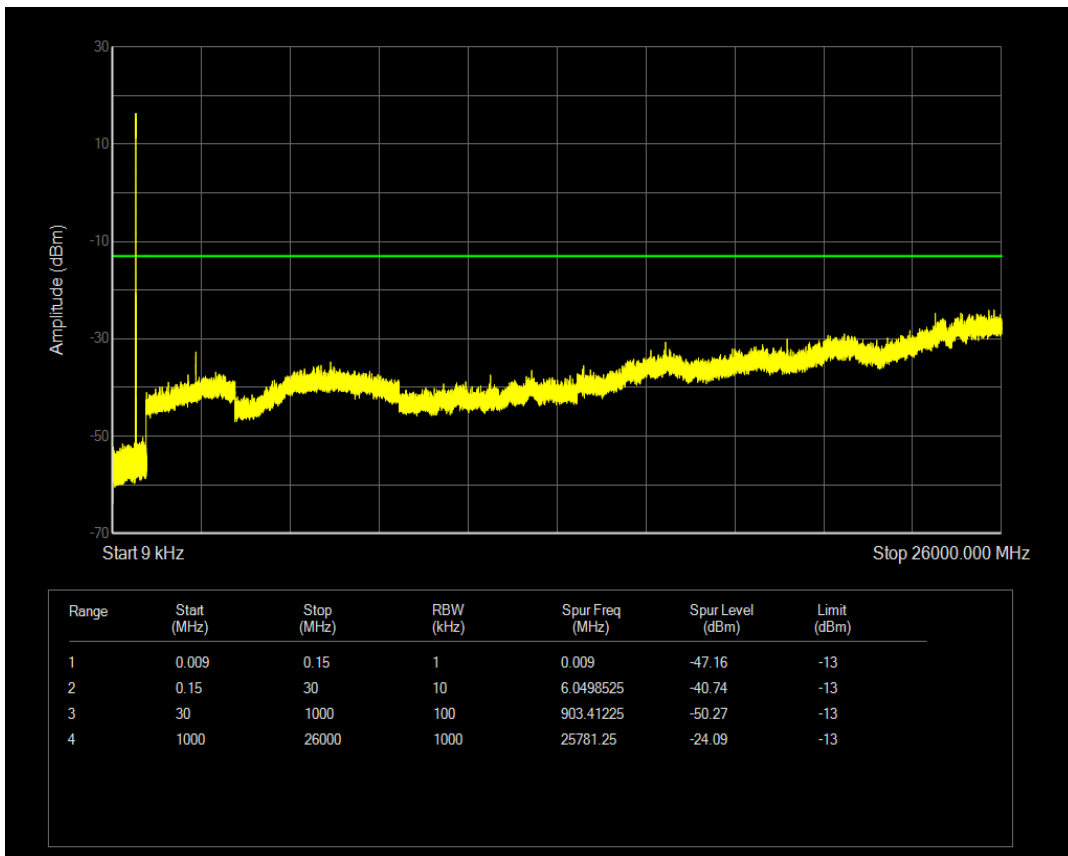
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



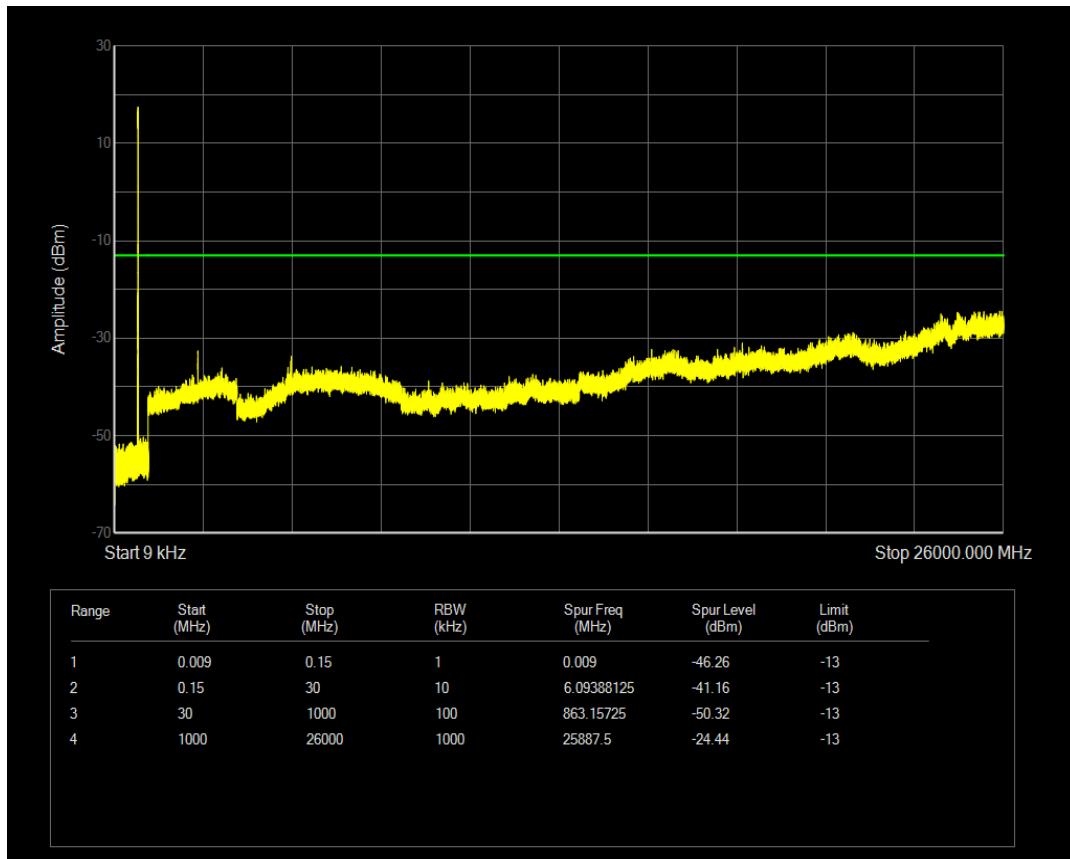
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



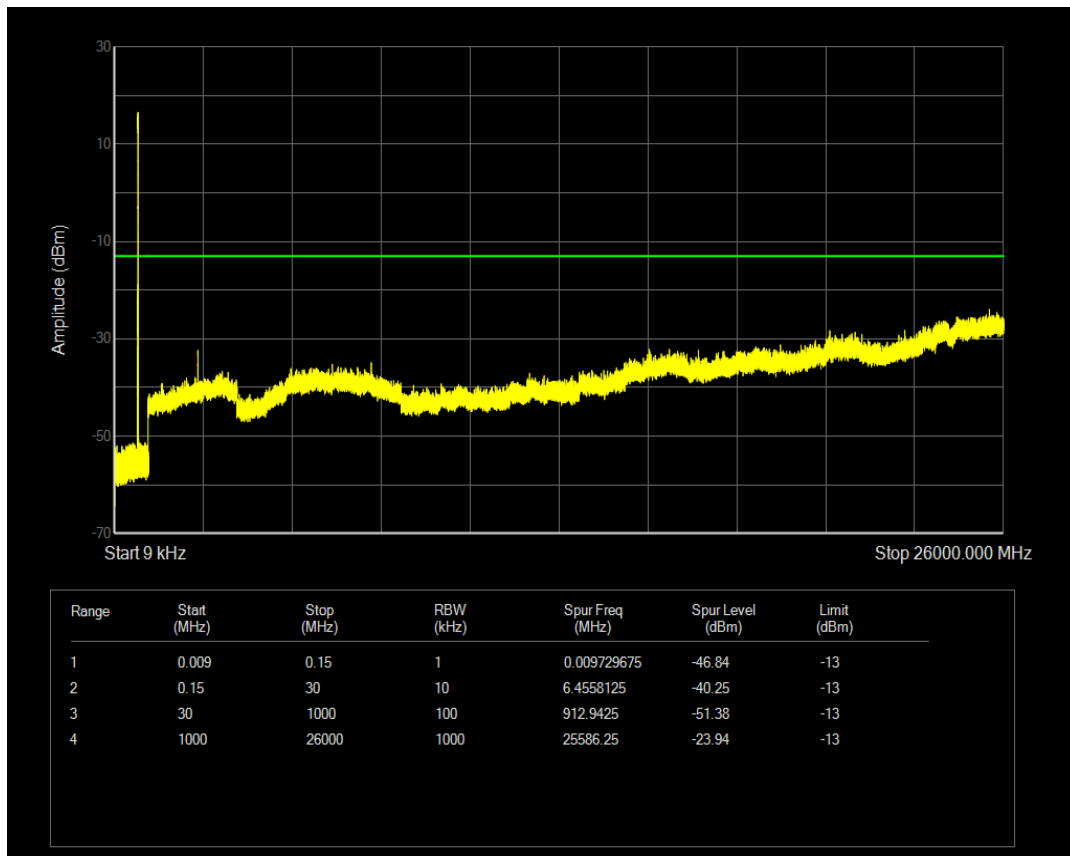
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



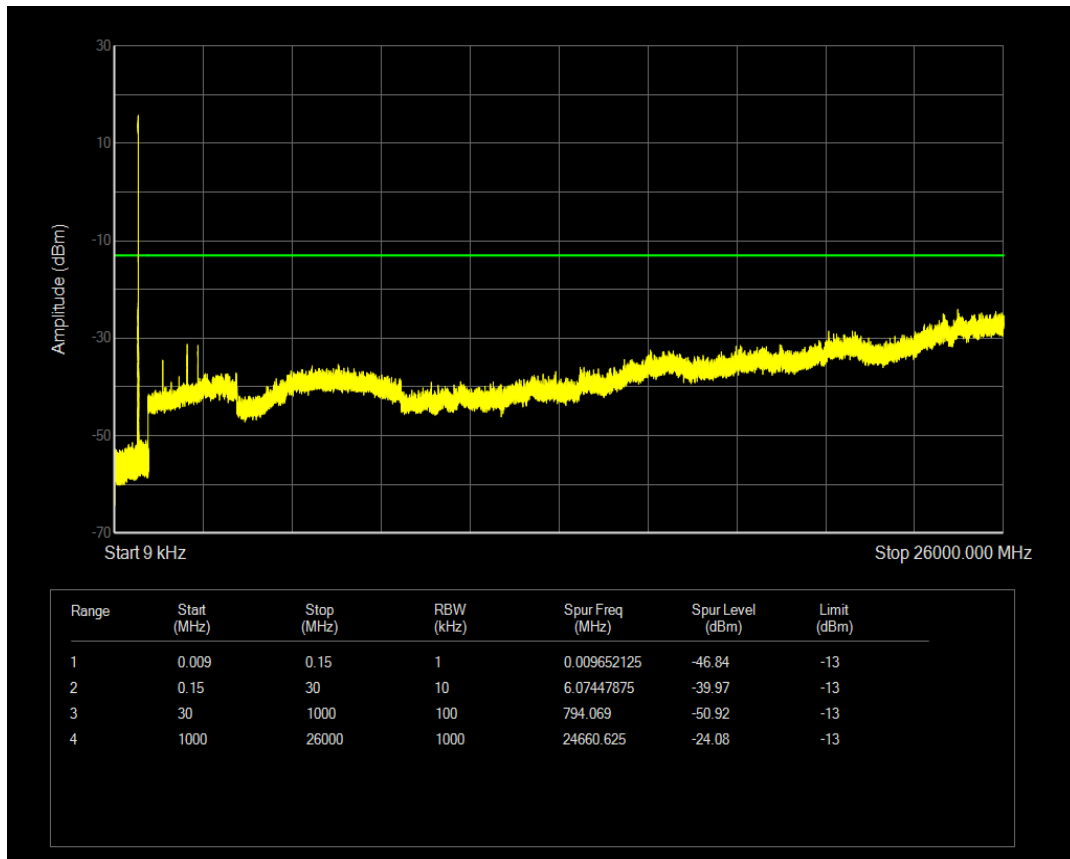
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



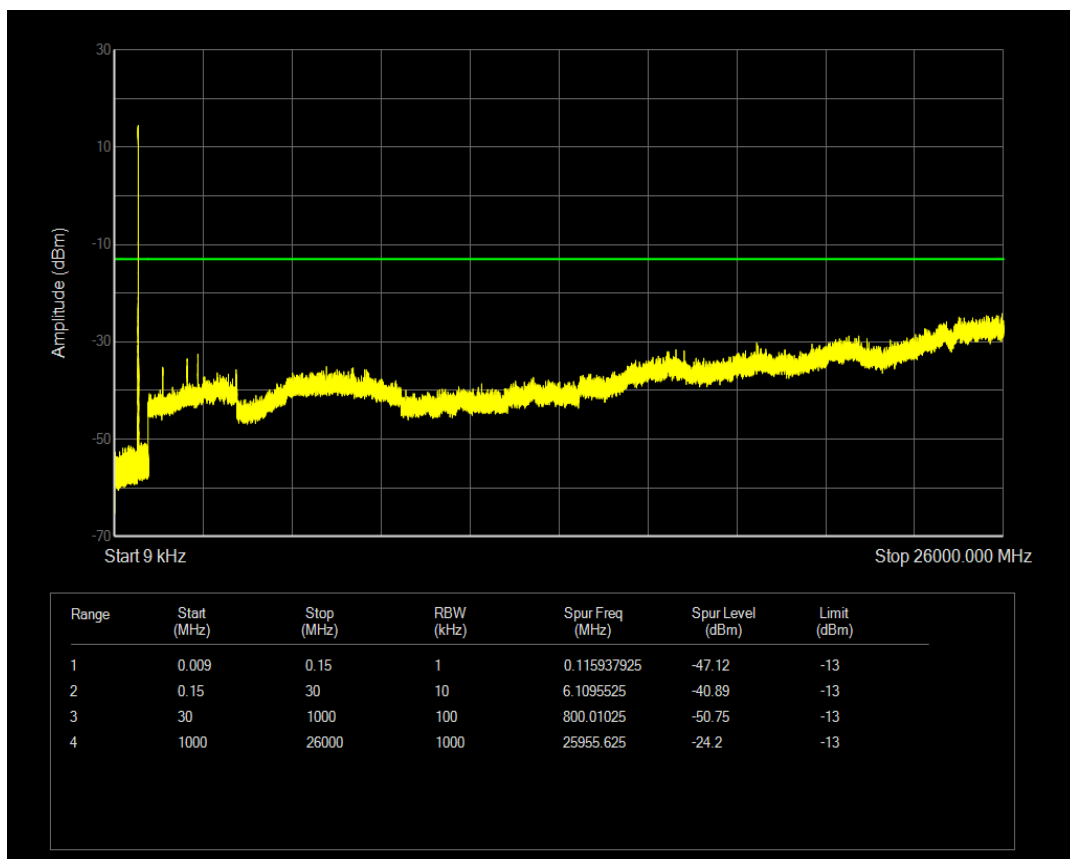
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



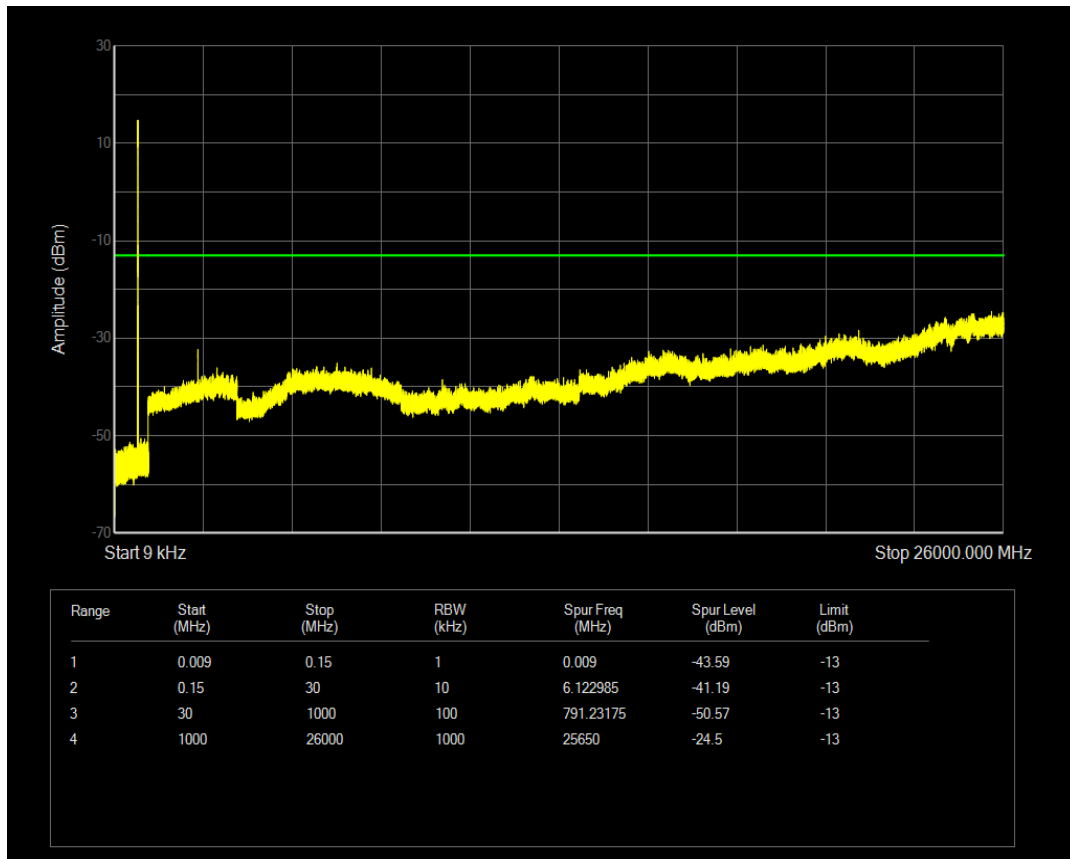
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



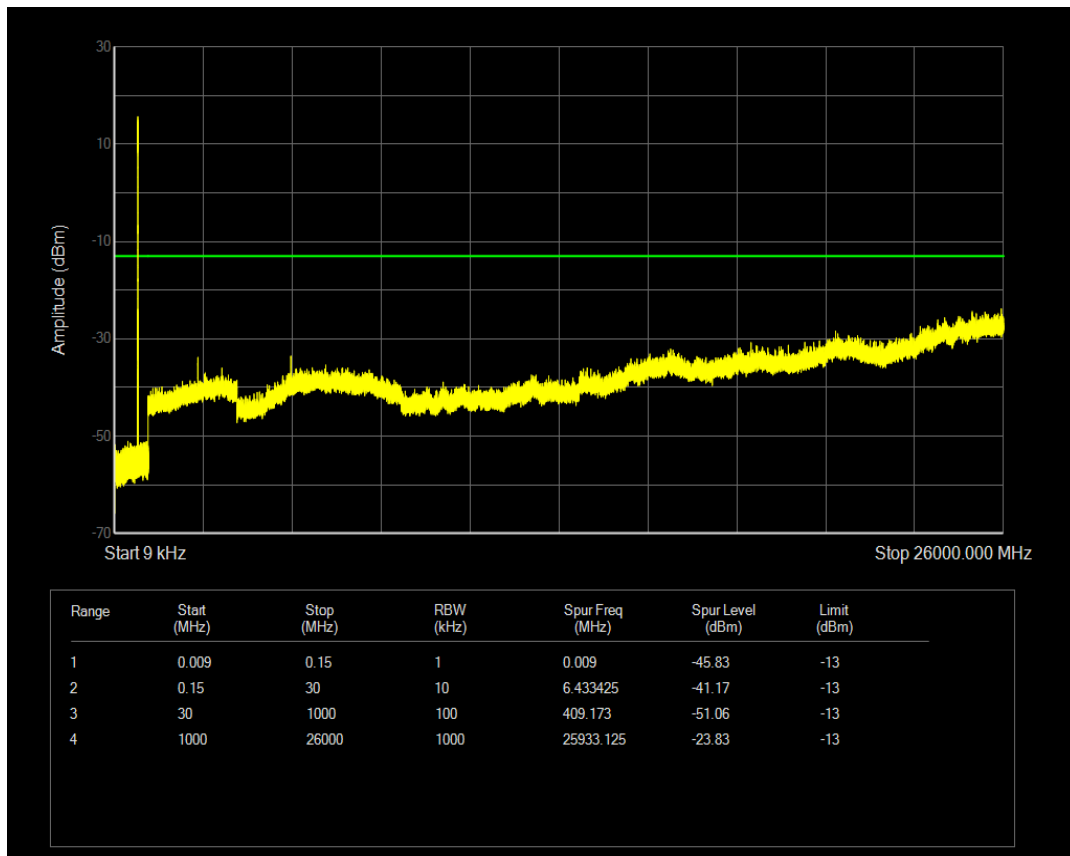
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



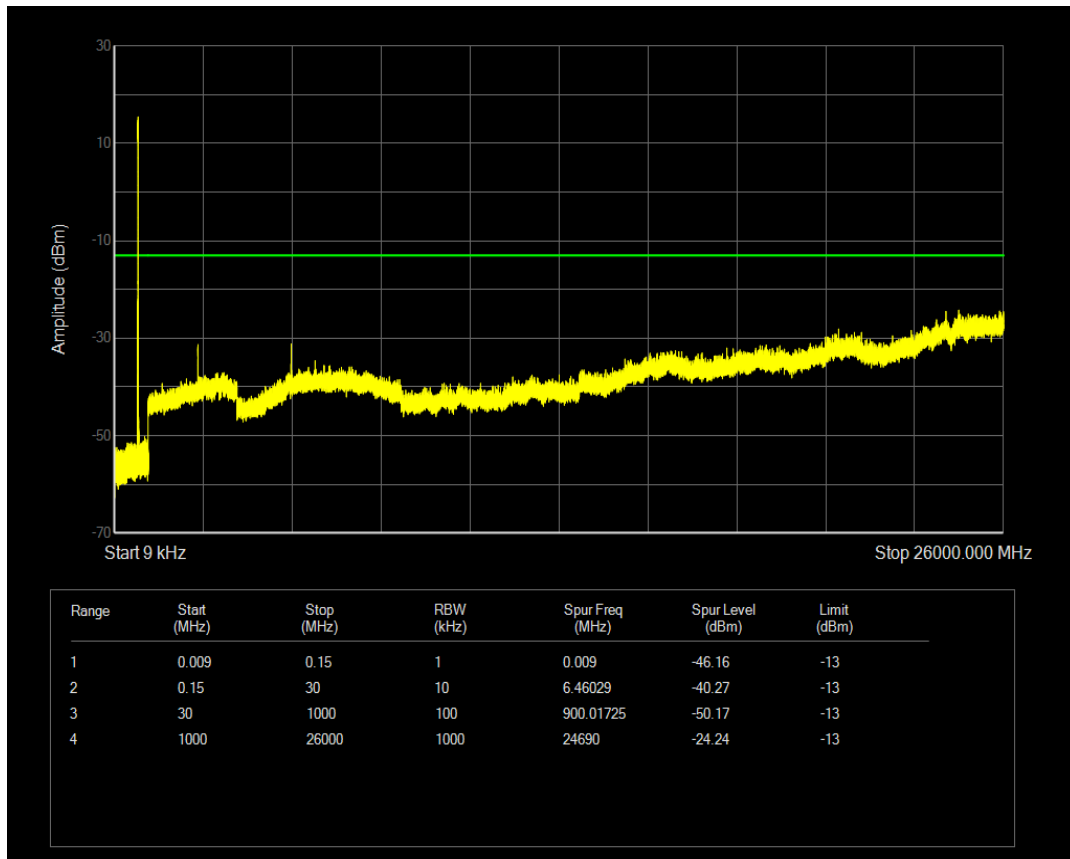
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



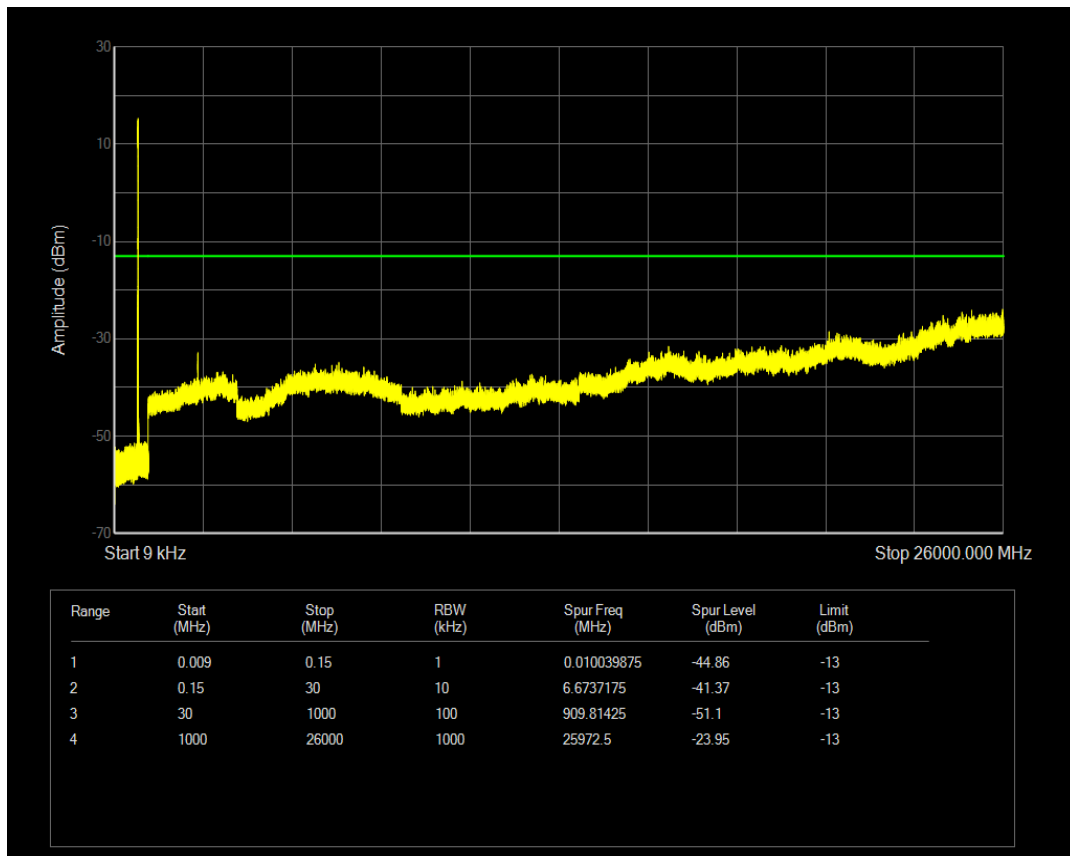
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



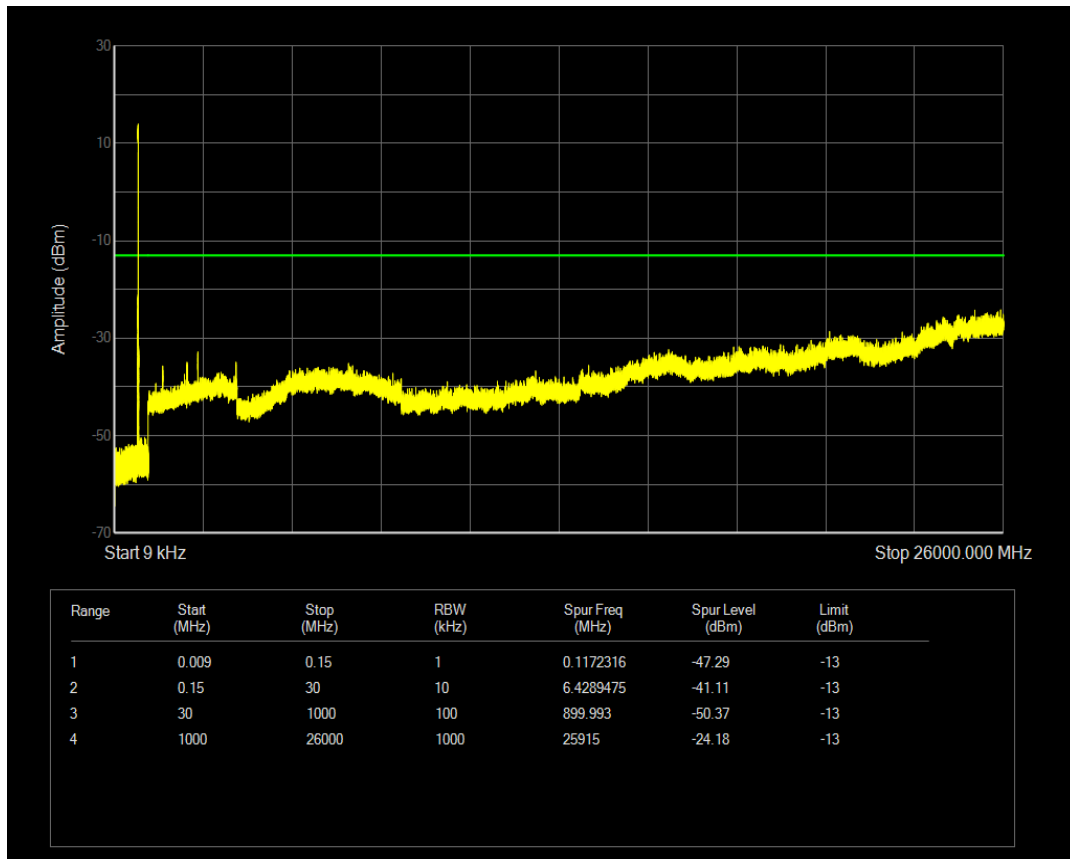
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



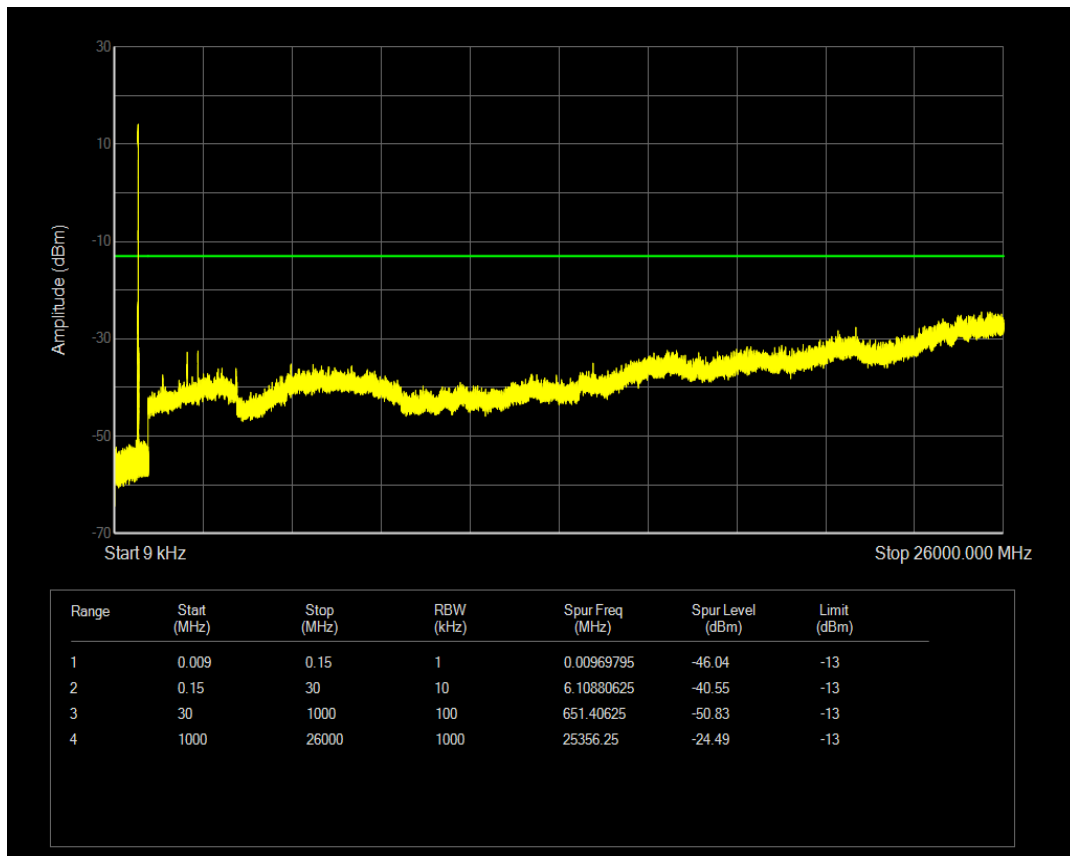
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



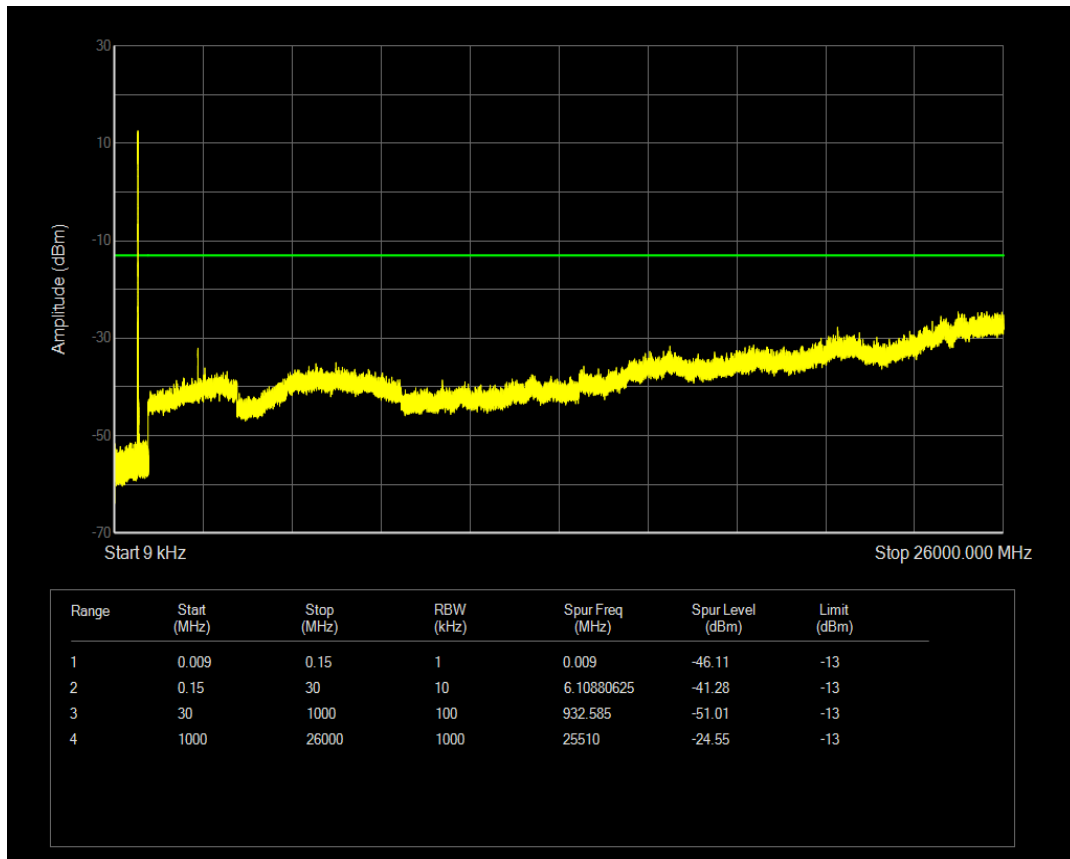
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



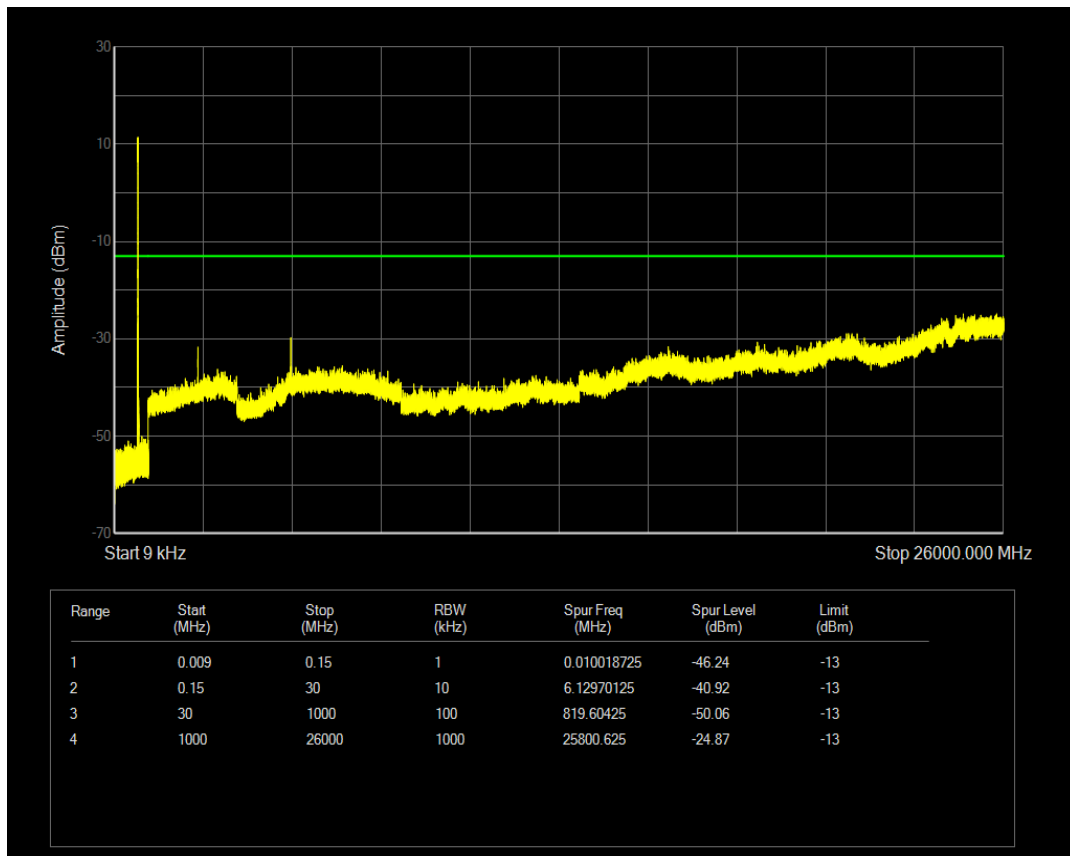
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



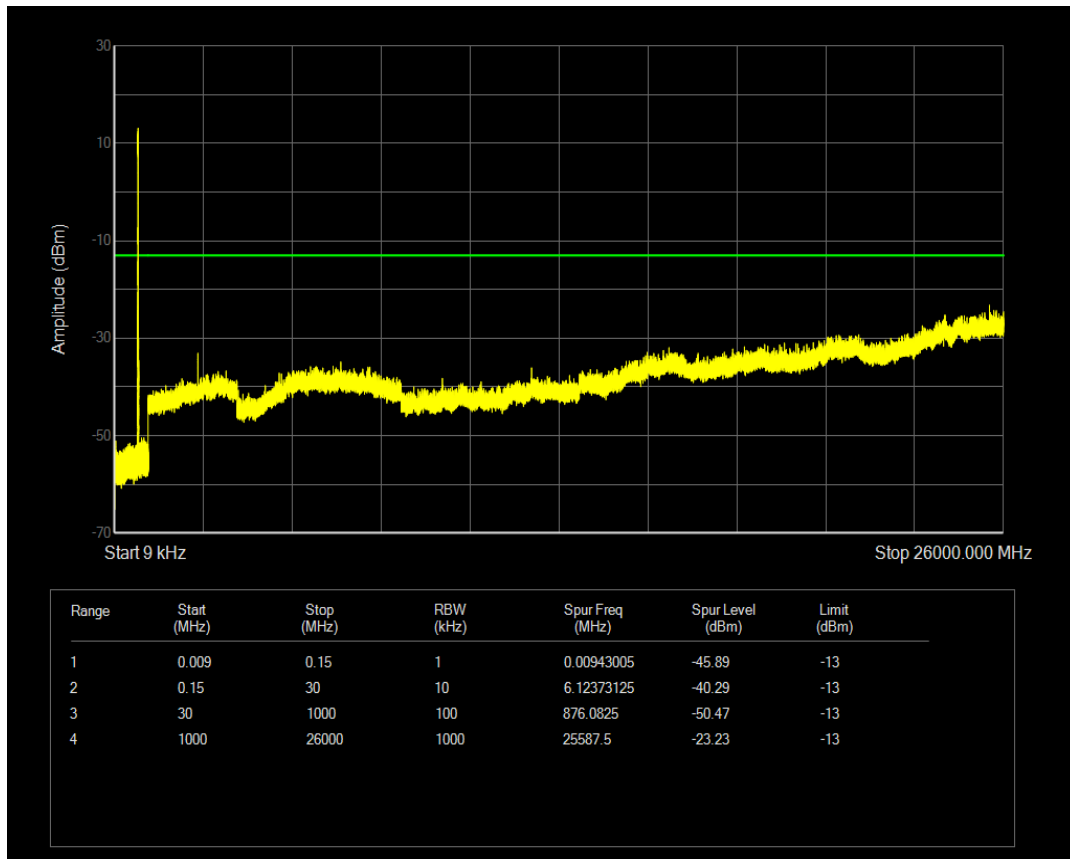
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



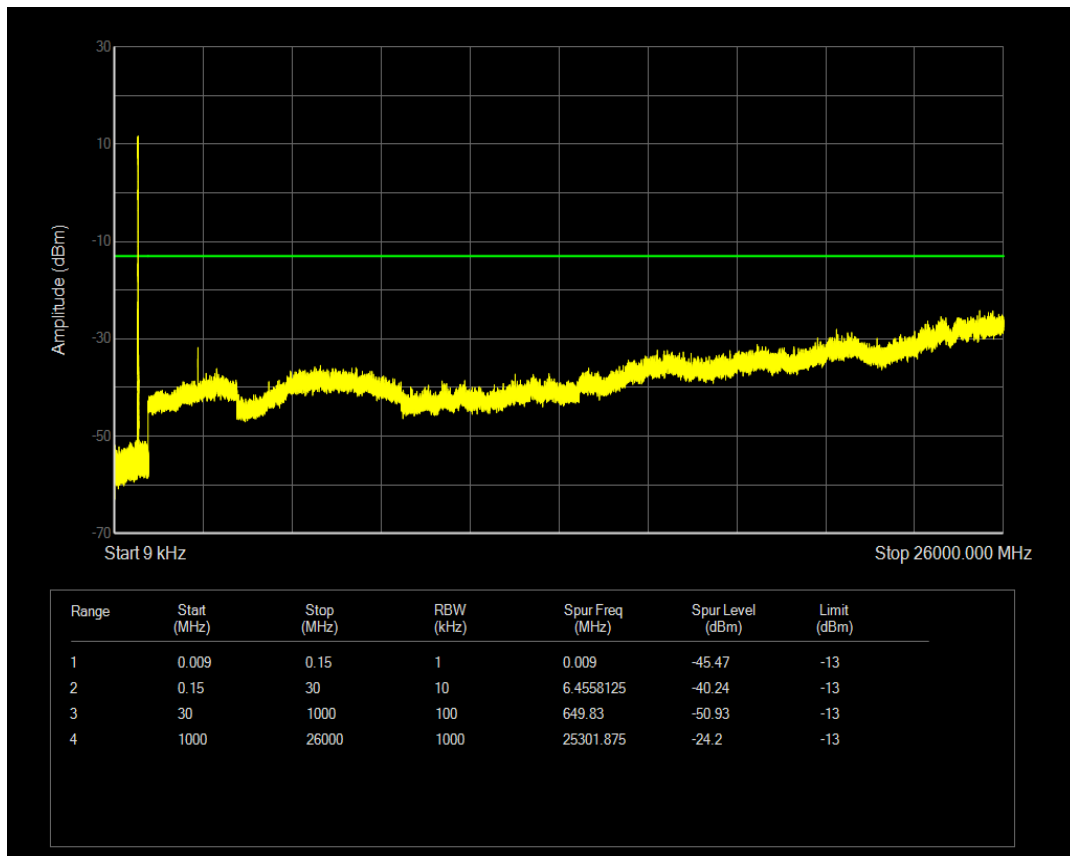
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



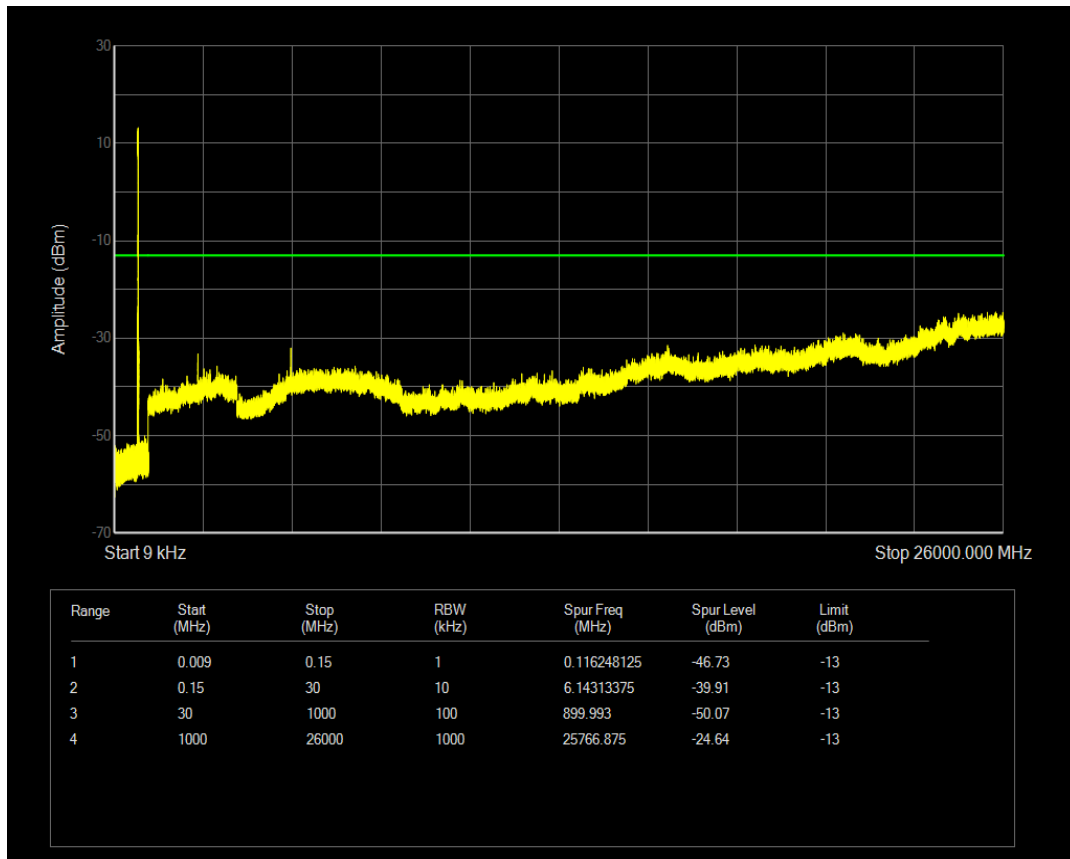
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



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

