

# Appendix for Band 12

Report No.: BCTC2408023427-6E

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Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY  
CO.,LTD

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Product Name: Smart Phone

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Test Model: P1

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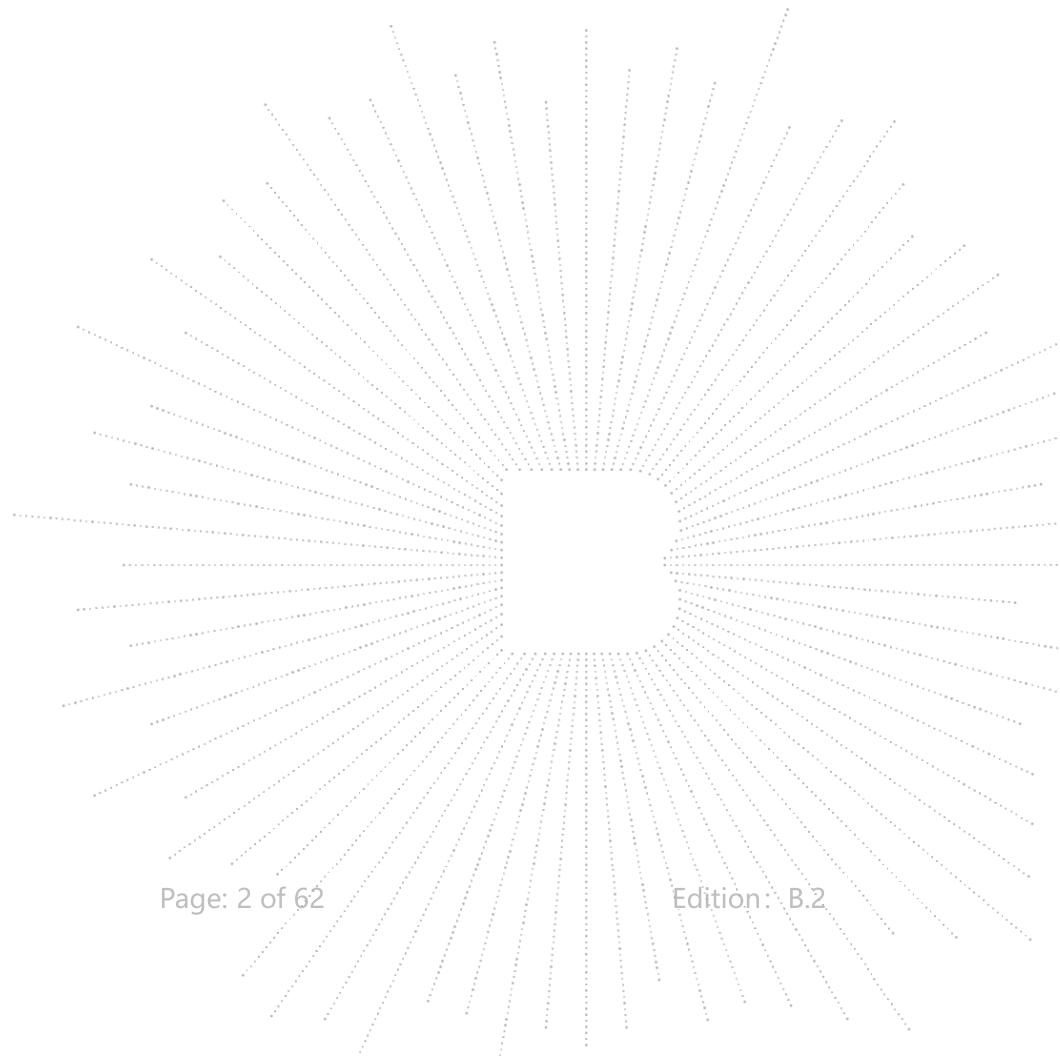
Tested Date: 2024-08-27 to 2024-09-27

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**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

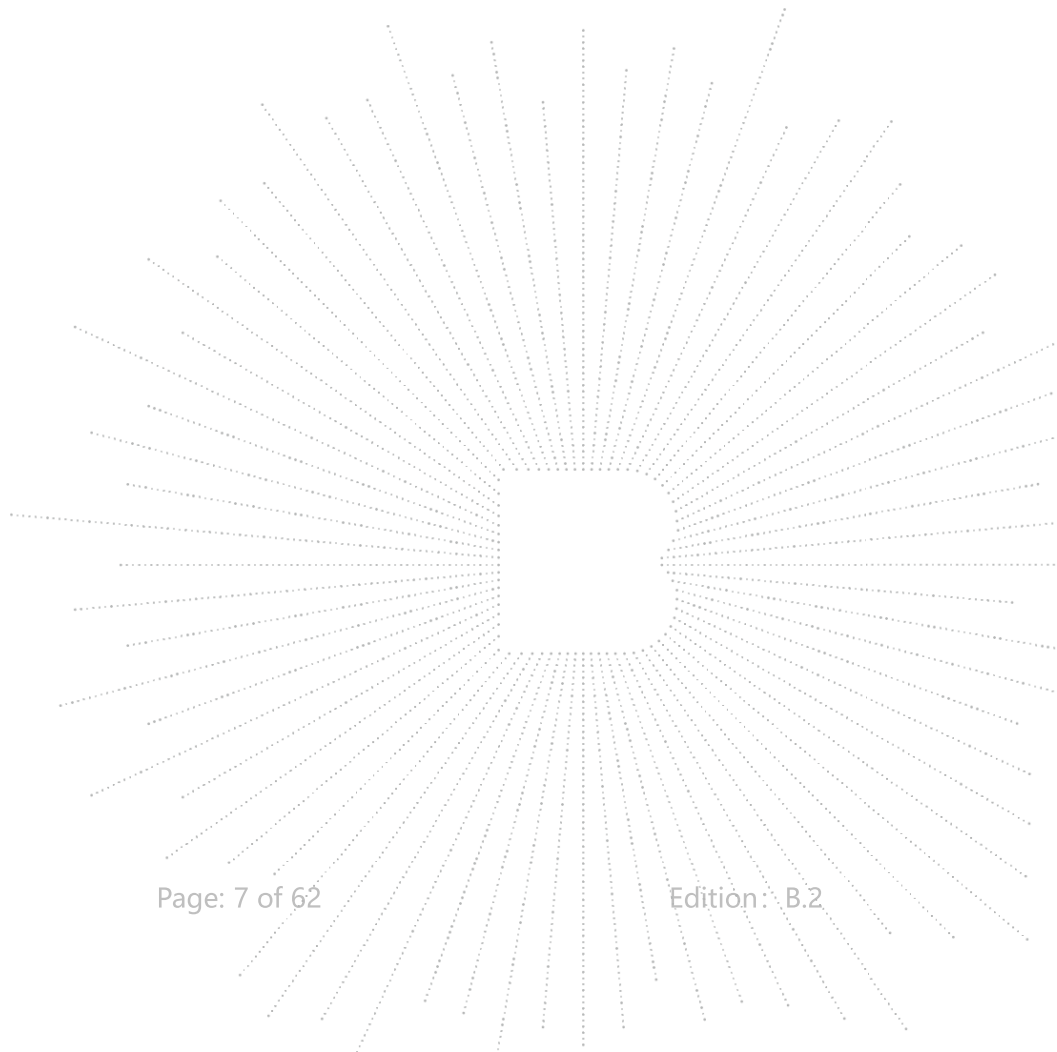
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	23.21	-0.29	20.77	PASS
Band12	1.4	23017	1	#Mid	QPSK	23.26	-0.29	20.82	PASS
Band12	1.4	23017	1	#Max	QPSK	23.17	-0.29	20.73	PASS
Band12	1.4	23017	3	#0	QPSK	23.25	-0.29	20.81	PASS
Band12	1.4	23017	3	#Mid	QPSK	23.32	-0.29	20.88	PASS
Band12	1.4	23017	3	#Max	QPSK	23.25	-0.29	20.81	PASS
Band12	1.4	23017	6	#0	QPSK	22.27	-0.29	19.83	PASS
Band12	1.4	23017	1	#0	16QAM	22.00	-0.29	19.56	PASS
Band12	1.4	23017	1	#Mid	16QAM	22.09	-0.29	19.65	PASS
Band12	1.4	23017	1	#Max	16QAM	22.05	-0.29	19.61	PASS
Band12	1.4	23017	3	#0	16QAM	22.38	-0.29	19.94	PASS
Band12	1.4	23017	3	#Mid	16QAM	22.45	-0.29	20.01	PASS
Band12	1.4	23017	3	#Max	16QAM	22.41	-0.29	19.97	PASS
Band12	1.4	23017	6	#0	16QAM	21.49	-0.29	19.05	PASS
Band12	1.4	23095	1	#0	QPSK	23.30	-0.29	20.86	PASS
Band12	1.4	23095	1	#Mid	QPSK	23.40	-0.29	20.96	PASS
Band12	1.4	23095	1	#Max	QPSK	23.30	-0.29	20.86	PASS
Band12	1.4	23095	3	#0	QPSK	23.30	-0.29	20.86	PASS
Band12	1.4	23095	3	#Mid	QPSK	23.31	-0.29	20.87	PASS
Band12	1.4	23095	3	#Max	QPSK	23.33	-0.29	20.89	PASS
Band12	1.4	23095	6	#0	QPSK	22.41	-0.29	19.97	PASS
Band12	1.4	23095	1	#0	16QAM	22.37	-0.29	19.93	PASS
Band12	1.4	23095	1	#Mid	16QAM	22.47	-0.29	20.03	PASS
Band12	1.4	23095	1	#Max	16QAM	22.40	-0.29	19.96	PASS
Band12	1.4	23095	3	#0	16QAM	22.50	-0.29	20.06	PASS
Band12	1.4	23095	3	#Mid	16QAM	22.55	-0.29	20.11	PASS
Band12	1.4	23095	3	#Max	16QAM	22.51	-0.29	20.07	PASS
Band12	1.4	23095	6	#0	16QAM	21.59	-0.29	19.15	PASS
Band12	1.4	23173	1	#0	QPSK	23.31	-0.29	20.87	PASS
Band12	1.4	23173	1	#Mid	QPSK	23.45	-0.29	21.01	PASS
Band12	1.4	23173	1	#Max	QPSK	23.33	-0.29	20.89	PASS
Band12	1.4	23173	3	#0	QPSK	23.47	-0.29	21.03	PASS
Band12	1.4	23173	3	#Mid	QPSK	23.52	-0.29	21.08	PASS
Band12	1.4	23173	3	#Max	QPSK	23.47	-0.29	21.03	PASS
Band12	1.4	23173	6	#0	QPSK	22.52	-0.29	20.08	PASS
Band12	1.4	23173	1	#0	16QAM	22.54	-0.29	20.10	PASS

Band12	1.4	23173	1	#Mid	16QAM	22.60	-0.29	20.16	PASS
Band12	1.4	23173	1	#Max	16QAM	22.52	-0.29	20.08	PASS
Band12	1.4	23173	3	#0	16QAM	22.69	-0.29	20.25	PASS
Band12	1.4	23173	3	#Mid	16QAM	22.76	-0.29	20.32	PASS
Band12	1.4	23173	3	#Max	16QAM	22.67	-0.29	20.23	PASS
Band12	1.4	23173	6	#0	16QAM	21.68	-0.29	19.24	PASS
Band12	3	23025	1	#0	QPSK	23.00	-0.29	20.56	PASS
Band12	3	23025	1	#Mid	QPSK	23.10	-0.29	20.66	PASS
Band12	3	23025	1	#Max	QPSK	22.98	-0.29	20.54	PASS
Band12	3	23025	8	#0	QPSK	22.20	-0.29	19.76	PASS
Band12	3	23025	8	#Mid	QPSK	22.30	-0.29	19.86	PASS
Band12	3	23025	8	#Max	QPSK	22.30	-0.29	19.86	PASS
Band12	3	23025	15	#0	QPSK	22.24	-0.29	19.80	PASS
Band12	3	23025	1	#0	16QAM	22.50	-0.29	20.06	PASS
Band12	3	23025	1	#Mid	16QAM	22.56	-0.29	20.12	PASS
Band12	3	23025	1	#Max	16QAM	22.47	-0.29	20.03	PASS
Band12	3	23025	8	#0	16QAM	21.33	-0.29	18.89	PASS
Band12	3	23025	8	#Mid	16QAM	21.33	-0.29	18.89	PASS
Band12	3	23025	8	#Max	16QAM	21.32	-0.29	18.88	PASS
Band12	3	23025	15	#0	16QAM	21.27	-0.29	18.83	PASS
Band12	3	23095	1	#0	QPSK	23.07	-0.29	20.63	PASS
Band12	3	23095	1	#Mid	QPSK	23.19	-0.29	20.75	PASS
Band12	3	23095	1	#Max	QPSK	23.04	-0.29	20.60	PASS
Band12	3	23095	8	#0	QPSK	22.27	-0.29	19.83	PASS
Band12	3	23095	8	#Mid	QPSK	22.34	-0.29	19.90	PASS
Band12	3	23095	8	#Max	QPSK	22.35	-0.29	19.91	PASS
Band12	3	23095	15	#0	QPSK	22.28	-0.29	19.84	PASS
Band12	3	23095	1	#0	16QAM	22.28	-0.29	19.84	PASS
Band12	3	23095	1	#Mid	16QAM	22.39	-0.29	19.95	PASS
Band12	3	23095	1	#Max	16QAM	22.35	-0.29	19.91	PASS
Band12	3	23095	8	#0	16QAM	21.32	-0.29	18.88	PASS
Band12	3	23095	8	#Mid	16QAM	21.37	-0.29	18.93	PASS
Band12	3	23095	8	#Max	16QAM	21.28	-0.29	18.84	PASS
Band12	3	23095	15	#0	16QAM	21.27	-0.29	18.83	PASS
Band12	3	23165	1	#0	QPSK	23.18	-0.29	20.74	PASS
Band12	3	23165	1	#Mid	QPSK	23.39	-0.29	20.95	PASS
Band12	3	23165	1	#Max	QPSK	23.35	-0.29	20.91	PASS
Band12	3	23165	8	#0	QPSK	22.43	-0.29	19.99	PASS
Band12	3	23165	8	#Mid	QPSK	22.51	-0.29	20.07	PASS
Band12	3	23165	8	#Max	QPSK	22.46	-0.29	20.02	PASS
Band12	3	23165	15	#0	QPSK	22.44	-0.29	20.00	PASS
Band12	3	23165	1	#0	16QAM	22.05	-0.29	19.61	PASS
Band12	3	23165	1	#Mid	16QAM	22.20	-0.29	19.76	PASS

Band12	3	23165	1	#Max	16QAM	22.05	-0.29	19.61	PASS
Band12	3	23165	8	#0	16QAM	21.42	-0.29	18.98	PASS
Band12	3	23165	8	#Mid	16QAM	21.46	-0.29	19.02	PASS
Band12	3	23165	8	#Max	16QAM	21.43	-0.29	18.99	PASS
Band12	3	23165	15	#0	16QAM	21.51	-0.29	19.07	PASS
Band12	5	23035	1	#0	QPSK	23.27	-0.29	20.83	PASS
Band12	5	23035	1	#Mid	QPSK	23.34	-0.29	20.90	PASS
Band12	5	23035	1	#Max	QPSK	23.34	-0.29	20.90	PASS
Band12	5	23035	12	#0	QPSK	22.27	-0.29	19.83	PASS
Band12	5	23035	12	#Mid	QPSK	22.34	-0.29	19.90	PASS
Band12	5	23035	12	#Max	QPSK	22.30	-0.29	19.86	PASS
Band12	5	23035	25	#0	QPSK	22.28	-0.29	19.84	PASS
Band12	5	23035	1	#0	16QAM	22.83	-0.29	20.39	PASS
Band12	5	23035	1	#Mid	16QAM	22.93	-0.29	20.49	PASS
Band12	5	23035	1	#Max	16QAM	22.85	-0.29	20.41	PASS
Band12	5	23035	12	#0	16QAM	21.27	-0.29	18.83	PASS
Band12	5	23035	12	#Mid	16QAM	21.40	-0.29	18.96	PASS
Band12	5	23035	12	#Max	16QAM	21.33	-0.29	18.89	PASS
Band12	5	23035	25	#0	16QAM	21.27	-0.29	18.83	PASS
Band12	5	23095	1	#0	QPSK	23.34	-0.29	20.90	PASS
Band12	5	23095	1	#Mid	QPSK	23.44	-0.29	21.00	PASS
Band12	5	23095	1	#Max	QPSK	23.40	-0.29	20.96	PASS
Band12	5	23095	12	#0	QPSK	22.36	-0.29	19.92	PASS
Band12	5	23095	12	#Mid	QPSK	22.46	-0.29	20.02	PASS
Band12	5	23095	12	#Max	QPSK	22.43	-0.29	19.99	PASS
Band12	5	23095	25	#0	QPSK	22.38	-0.29	19.94	PASS
Band12	5	23095	1	#0	16QAM	22.66	-0.29	20.22	PASS
Band12	5	23095	1	#Mid	16QAM	22.79	-0.29	20.35	PASS
Band12	5	23095	1	#Max	16QAM	22.71	-0.29	20.27	PASS
Band12	5	23095	12	#0	16QAM	21.37	-0.29	18.93	PASS
Band12	5	23095	12	#Mid	16QAM	21.38	-0.29	18.94	PASS
Band12	5	23095	12	#Max	16QAM	21.35	-0.29	18.91	PASS
Band12	5	23095	25	#0	16QAM	21.46	-0.29	19.02	PASS
Band12	5	23155	1	#0	QPSK	23.35	-0.29	20.91	PASS
Band12	5	23155	1	#Mid	QPSK	23.47	-0.29	21.03	PASS
Band12	5	23155	1	#Max	QPSK	23.39	-0.29	20.95	PASS
Band12	5	23155	12	#0	QPSK	22.54	-0.29	20.10	PASS
Band12	5	23155	12	#Mid	QPSK	22.57	-0.29	20.13	PASS
Band12	5	23155	12	#Max	QPSK	22.46	-0.29	20.02	PASS
Band12	5	23155	25	#0	QPSK	22.46	-0.29	20.02	PASS
Band12	5	23155	1	#0	16QAM	22.71	-0.29	20.27	PASS
Band12	5	23155	1	#Mid	16QAM	22.82	-0.29	20.38	PASS
Band12	5	23155	1	#Max	16QAM	22.71	-0.29	20.27	PASS

Band12	5	23155	12	#0	16QAM	21.56	-0.29	19.12	PASS
Band12	5	23155	12	#Mid	16QAM	21.57	-0.29	19.13	PASS
Band12	5	23155	12	#Max	16QAM	21.40	-0.29	18.96	PASS
Band12	5	23155	25	#0	16QAM	21.49	-0.29	19.05	PASS
Band12	10	23060	1	#0	QPSK	23.34	-0.29	20.90	PASS
Band12	10	23060	1	#Mid	QPSK	23.39	-0.29	20.95	PASS
Band12	10	23060	1	#Max	QPSK	23.40	-0.29	20.96	PASS
Band12	10	23060	25	#0	QPSK	22.26	-0.29	19.82	PASS
Band12	10	23060	25	#Mid	QPSK	22.47	-0.29	20.03	PASS
Band12	10	23060	25	#Max	QPSK	22.43	-0.29	19.99	PASS
Band12	10	23060	50	#0	QPSK	22.37	-0.29	19.93	PASS
Band12	10	23060	1	#0	16QAM	22.81	-0.29	20.37	PASS
Band12	10	23060	1	#Mid	16QAM	22.87	-0.29	20.43	PASS
Band12	10	23060	1	#Max	16QAM	22.87	-0.29	20.43	PASS
Band12	10	23060	25	#0	16QAM	21.35	-0.29	18.91	PASS
Band12	10	23060	25	#Mid	16QAM	21.45	-0.29	19.01	PASS
Band12	10	23060	25	#Max	16QAM	21.47	-0.29	19.03	PASS
Band12	10	23060	50	#0	16QAM	21.42	-0.29	18.98	PASS
Band12	10	23095	1	#0	QPSK	23.36	-0.29	20.92	PASS
Band12	10	23095	1	#Mid	QPSK	23.46	-0.29	21.02	PASS
Band12	10	23095	1	#Max	QPSK	23.46	-0.29	21.02	PASS
Band12	10	23095	25	#0	QPSK	22.33	-0.29	19.89	PASS
Band12	10	23095	25	#Mid	QPSK	22.45	-0.29	20.01	PASS
Band12	10	23095	25	#Max	QPSK	22.45	-0.29	20.01	PASS
Band12	10	23095	50	#0	QPSK	22.39	-0.29	19.95	PASS
Band12	10	23095	1	#0	16QAM	22.53	-0.29	20.09	PASS
Band12	10	23095	1	#Mid	16QAM	22.64	-0.29	20.20	PASS
Band12	10	23095	1	#Max	16QAM	22.69	-0.29	20.25	PASS
Band12	10	23095	25	#0	16QAM	21.36	-0.29	18.92	PASS
Band12	10	23095	25	#Mid	16QAM	21.48	-0.29	19.04	PASS
Band12	10	23095	25	#Max	16QAM	21.45	-0.29	19.01	PASS
Band12	10	23095	50	#0	16QAM	21.46	-0.29	19.02	PASS
Band12	10	23130	1	#0	QPSK	23.48	-0.29	21.04	PASS
Band12	10	23130	1	#Mid	QPSK	23.62	-0.29	21.18	PASS
Band12	10	23130	1	#Max	QPSK	23.63	-0.29	21.19	PASS
Band12	10	23130	25	#0	QPSK	22.45	-0.29	20.01	PASS
Band12	10	23130	25	#Mid	QPSK	22.48	-0.29	20.04	PASS
Band12	10	23130	25	#Max	QPSK	22.37	-0.29	19.93	PASS
Band12	10	23130	50	#0	QPSK	22.43	-0.29	19.99	PASS
Band12	10	23130	1	#0	16QAM	22.27	-0.29	19.83	PASS
Band12	10	23130	1	#Mid	16QAM	22.38	-0.29	19.94	PASS
Band12	10	23130	1	#Max	16QAM	22.40	-0.29	19.96	PASS
Band12	10	23130	25	#0	16QAM	21.42	-0.29	18.98	PASS

Band12	10	23130	25	#Mid	16QAM	21.50	-0.29	19.06	PASS
Band12	10	23130	25	#Max	16QAM	21.42	-0.29	18.98	PASS
Band12	10	23130	50	#0	16QAM	21.39	-0.29	18.95	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	-19.41	-0.028	PASS
Band12	1.4	23017	6	#0	QPSK	NV	NT	-29.40	-0.042	PASS
Band12	1.4	23017	6	#0	QPSK	HV	NT	-28.07	-0.040	PASS
Band12	1.4	23017	6	#0	16QAM	LV	NT	-26.95	-0.039	PASS
Band12	1.4	23017	6	#0	16QAM	NV	NT	-21.36	-0.031	PASS
Band12	1.4	23017	6	#0	16QAM	HV	NT	-17.41	-0.025	PASS
Band12	1.4	23095	6	#0	QPSK	LV	NT	-9.84	-0.014	PASS
Band12	1.4	23095	6	#0	QPSK	NV	NT	-8.47	-0.012	PASS
Band12	1.4	23095	6	#0	QPSK	HV	NT	-11.39	-0.016	PASS
Band12	1.4	23095	6	#0	16QAM	LV	NT	-11.82	-0.017	PASS
Band12	1.4	23095	6	#0	16QAM	NV	NT	-18.25	-0.026	PASS
Band12	1.4	23095	6	#0	16QAM	HV	NT	-11.72	-0.017	PASS
Band12	1.4	23173	6	#0	QPSK	LV	NT	-8.20	-0.011	PASS
Band12	1.4	23173	6	#0	QPSK	NV	NT	-5.64	-0.008	PASS
Band12	1.4	23173	6	#0	QPSK	HV	NT	-8.23	-0.012	PASS
Band12	1.4	23173	6	#0	16QAM	LV	NT	-6.78	-0.009	PASS
Band12	1.4	23173	6	#0	16QAM	NV	NT	-8.14	-0.011	PASS
Band12	1.4	23173	6	#0	16QAM	HV	NT	-3.85	-0.005	PASS
Band12	3	23025	15	#0	QPSK	LV	NT	6.14	0.009	PASS
Band12	3	23025	15	#0	QPSK	NV	NT	-7.78	-0.011	PASS
Band12	3	23025	15	#0	QPSK	HV	NT	-10.84	-0.015	PASS
Band12	3	23025	15	#0	16QAM	LV	NT	-10.14	-0.014	PASS
Band12	3	23025	15	#0	16QAM	NV	NT	-9.28	-0.013	PASS
Band12	3	23025	15	#0	16QAM	HV	NT	-8.35	-0.012	PASS
Band12	3	23095	15	#0	QPSK	LV	NT	-3.36	-0.005	PASS
Band12	3	23095	15	#0	QPSK	NV	NT	-6.41	-0.009	PASS
Band12	3	23095	15	#0	QPSK	HV	NT	-5.41	-0.008	PASS
Band12	3	23095	15	#0	16QAM	LV	NT	-9.56	-0.014	PASS
Band12	3	23095	15	#0	16QAM	NV	NT	-8.17	-0.012	PASS
Band12	3	23095	15	#0	16QAM	HV	NT	-3.06	-0.004	PASS
Band12	3	23165	15	#0	QPSK	LV	NT	2.47	0.003	PASS
Band12	3	23165	15	#0	QPSK	NV	NT	-2.70	-0.004	PASS
Band12	3	23165	15	#0	QPSK	HV	NT	-5.74	-0.008	PASS
Band12	3	23165	15	#0	16QAM	LV	NT	-8.31	-0.012	PASS
Band12	3	23165	15	#0	16QAM	NV	NT	-6.98	-0.010	PASS
Band12	3	23165	15	#0	16QAM	HV	NT	1.69	0.002	PASS
Band12	5	23035	25	#0	QPSK	LV	NT	-5.72	-0.008	PASS
Band12	5	23035	25	#0	QPSK	NV	NT	0.56	0.001	PASS



Band12	5	23035	25	#0	QPSK	HV	NT	-2.63	-0.004	PASS
Band12	5	23035	25	#0	16QAM	LV	NT	-3.85	-0.005	PASS
Band12	5	23035	25	#0	16QAM	NV	NT	-1.87	-0.003	PASS
Band12	5	23035	25	#0	16QAM	HV	NT	-4.02	-0.006	PASS
Band12	5	23095	25	#0	QPSK	LV	NT	-2.63	-0.004	PASS
Band12	5	23095	25	#0	QPSK	NV	NT	-8.98	-0.013	PASS
Band12	5	23095	25	#0	QPSK	HV	NT	-6.47	-0.009	PASS
Band12	5	23095	25	#0	16QAM	LV	NT	-3.98	-0.006	PASS
Band12	5	23095	25	#0	16QAM	NV	NT	-2.60	-0.004	PASS
Band12	5	23095	25	#0	16QAM	HV	NT	-1.19	-0.002	PASS
Band12	5	23155	25	#0	QPSK	LV	NT	0.40	0.001	PASS
Band12	5	23155	25	#0	QPSK	NV	NT	-5.55	-0.008	PASS
Band12	5	23155	25	#0	QPSK	HV	NT	-4.53	-0.006	PASS
Band12	5	23155	25	#0	16QAM	LV	NT	-2.23	-0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	NT	-2.69	-0.004	PASS
Band12	5	23155	25	#0	16QAM	HV	NT	-2.39	-0.003	PASS
Band12	10	23060	50	#0	QPSK	LV	NT	-6.15	-0.009	PASS
Band12	10	23060	50	#0	QPSK	NV	NT	-5.72	-0.008	PASS
Band12	10	23060	50	#0	QPSK	HV	NT	-4.51	-0.006	PASS
Band12	10	23060	50	#0	16QAM	LV	NT	-1.90	-0.003	PASS
Band12	10	23060	50	#0	16QAM	NV	NT	-1.97	-0.003	PASS
Band12	10	23060	50	#0	16QAM	HV	NT	0.31	0.000	PASS
Band12	10	23095	50	#0	QPSK	LV	NT	-3.13	-0.004	PASS
Band12	10	23095	50	#0	QPSK	NV	NT	-4.95	-0.007	PASS
Band12	10	23095	50	#0	QPSK	HV	NT	-4.99	-0.007	PASS
Band12	10	23095	50	#0	16QAM	LV	NT	-3.99	-0.006	PASS
Band12	10	23095	50	#0	16QAM	NV	NT	-0.97	-0.001	PASS
Band12	10	23095	50	#0	16QAM	HV	NT	0.84	0.001	PASS
Band12	10	23130	50	#0	QPSK	LV	NT	-2.56	-0.004	PASS
Band12	10	23130	50	#0	QPSK	NV	NT	-5.22	-0.007	PASS
Band12	10	23130	50	#0	QPSK	HV	NT	-3.43	-0.005	PASS
Band12	10	23130	50	#0	16QAM	LV	NT	-3.33	-0.005	PASS
Band12	10	23130	50	#0	16QAM	NV	NT	-2.90	-0.004	PASS
Band12	10	23130	50	#0	16QAM	HV	NT	-1.69	-0.002	PASS

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	NV	-30	-24.45	-0.035	PASS
Band12	1.4	23017	6	#0	QPSK	NV	-20	-22.53	-0.032	PASS
Band12	1.4	23017	6	#0	QPSK	NV	-10	-19.58	-0.028	PASS
Band12	1.4	23017	6	#0	QPSK	NV	0	-19.43	-0.028	PASS
Band12	1.4	23017	6	#0	QPSK	NV	10	-15.48	-0.022	PASS
Band12	1.4	23017	6	#0	QPSK	NV	20	-14.86	-0.021	PASS

Band12	1.4	23017	6	#0	QPSK	NV	30	-12.27	-0.018	PASS
Band12	1.4	23017	6	#0	QPSK	NV	40	-9.87	-0.014	PASS
Band12	1.4	23017	6	#0	QPSK	NV	50	-8.78	-0.013	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-30	-10.43	-0.015	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-20	-5.45	-0.008	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-10	-0.41	-0.001	PASS
Band12	1.4	23017	6	#0	16QAM	NV	0	-0.54	-0.001	PASS
Band12	1.4	23017	6	#0	16QAM	NV	10	0.87	0.001	PASS
Band12	1.4	23017	6	#0	16QAM	NV	20	-1.24	-0.002	PASS
Band12	1.4	23017	6	#0	16QAM	NV	30	-2.93	-0.004	PASS
Band12	1.4	23017	6	#0	16QAM	NV	40	-4.35	-0.006	PASS
Band12	1.4	23017	6	#0	16QAM	NV	50	-5.15	-0.007	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-30	0.03	0.000	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-20	-2.02	-0.003	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-10	-8.31	-0.012	PASS
Band12	1.4	23095	6	#0	QPSK	NV	0	-7.00	-0.010	PASS
Band12	1.4	23095	6	#0	QPSK	NV	10	-3.60	-0.005	PASS
Band12	1.4	23095	6	#0	QPSK	NV	20	-2.06	-0.003	PASS
Band12	1.4	23095	6	#0	QPSK	NV	30	-1.97	-0.003	PASS
Band12	1.4	23095	6	#0	QPSK	NV	40	-2.26	-0.003	PASS
Band12	1.4	23095	6	#0	QPSK	NV	50	-1.00	-0.001	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-30	0.64	0.001	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-20	-7.50	-0.011	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-10	-3.46	-0.005	PASS
Band12	1.4	23095	6	#0	16QAM	NV	0	-2.46	-0.003	PASS
Band12	1.4	23095	6	#0	16QAM	NV	10	0.17	0.000	PASS
Band12	1.4	23095	6	#0	16QAM	NV	20	1.63	0.002	PASS
Band12	1.4	23095	6	#0	16QAM	NV	30	0.10	0.000	PASS
Band12	1.4	23095	6	#0	16QAM	NV	40	-0.14	0.000	PASS
Band12	1.4	23095	6	#0	16QAM	NV	50	-0.49	-0.001	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-30	-1.77	-0.002	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-20	-4.63	-0.006	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-10	-4.73	-0.007	PASS
Band12	1.4	23173	6	#0	QPSK	NV	0	-4.98	-0.007	PASS
Band12	1.4	23173	6	#0	QPSK	NV	10	-3.02	-0.004	PASS
Band12	1.4	23173	6	#0	QPSK	NV	20	-1.92	-0.003	PASS
Band12	1.4	23173	6	#0	QPSK	NV	30	-2.23	-0.003	PASS
Band12	1.4	23173	6	#0	QPSK	NV	40	-2.32	-0.003	PASS
Band12	1.4	23173	6	#0	QPSK	NV	50	-3.72	-0.005	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-30	0.10	0.000	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-20	1.22	0.002	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-10	1.65	0.002	PASS
Band12	1.4	23173	6	#0	16QAM	NV	0	1.60	0.002	PASS

Band12	1.4	23173	6	#0	16QAM	NV	10	0.34	0.000	PASS
Band12	1.4	23173	6	#0	16QAM	NV	20	-0.69	-0.001	PASS
Band12	1.4	23173	6	#0	16QAM	NV	30	-0.47	-0.001	PASS
Band12	1.4	23173	6	#0	16QAM	NV	40	-4.49	-0.006	PASS
Band12	1.4	23173	6	#0	16QAM	NV	50	-3.32	-0.005	PASS
Band12	3	23025	15	#0	QPSK	NV	-30	-0.87	-0.001	PASS
Band12	3	23025	15	#0	QPSK	NV	-20	-7.61	-0.011	PASS
Band12	3	23025	15	#0	QPSK	NV	-10	-11.46	-0.016	PASS
Band12	3	23025	15	#0	QPSK	NV	0	-10.31	-0.015	PASS
Band12	3	23025	15	#0	QPSK	NV	10	-4.38	-0.006	PASS
Band12	3	23025	15	#0	QPSK	NV	20	-4.62	-0.007	PASS
Band12	3	23025	15	#0	QPSK	NV	30	-2.82	-0.004	PASS
Band12	3	23025	15	#0	QPSK	NV	40	1.36	0.002	PASS
Band12	3	23025	15	#0	QPSK	NV	50	0.26	0.000	PASS
Band12	3	23025	15	#0	16QAM	NV	-30	-4.86	-0.007	PASS
Band12	3	23025	15	#0	16QAM	NV	-20	-2.76	-0.004	PASS
Band12	3	23025	15	#0	16QAM	NV	-10	0.01	0.000	PASS
Band12	3	23025	15	#0	16QAM	NV	0	-0.43	-0.001	PASS
Band12	3	23025	15	#0	16QAM	NV	10	0.00	0.000	PASS
Band12	3	23025	15	#0	16QAM	NV	20	-1.57	-0.002	PASS
Band12	3	23025	15	#0	16QAM	NV	30	2.35	0.003	PASS
Band12	3	23025	15	#0	16QAM	NV	40	-0.03	0.000	PASS
Band12	3	23025	15	#0	16QAM	NV	50	-5.08	-0.007	PASS
Band12	3	23095	15	#0	QPSK	NV	-30	1.22	0.002	PASS
Band12	3	23095	15	#0	QPSK	NV	-20	-4.68	-0.007	PASS
Band12	3	23095	15	#0	QPSK	NV	-10	-6.45	-0.009	PASS
Band12	3	23095	15	#0	QPSK	NV	0	-6.77	-0.010	PASS
Band12	3	23095	15	#0	QPSK	NV	10	-6.74	-0.010	PASS
Band12	3	23095	15	#0	QPSK	NV	20	-4.71	-0.007	PASS
Band12	3	23095	15	#0	QPSK	NV	30	-0.79	-0.001	PASS
Band12	3	23095	15	#0	QPSK	NV	40	-2.00	-0.003	PASS
Band12	3	23095	15	#0	QPSK	NV	50	-0.56	-0.001	PASS
Band12	3	23095	15	#0	16QAM	NV	-30	-0.73	-0.001	PASS
Band12	3	23095	15	#0	16QAM	NV	-20	0.49	0.001	PASS
Band12	3	23095	15	#0	16QAM	NV	-10	-4.73	-0.007	PASS
Band12	3	23095	15	#0	16QAM	NV	0	1.52	0.002	PASS
Band12	3	23095	15	#0	16QAM	NV	10	-0.19	0.000	PASS
Band12	3	23095	15	#0	16QAM	NV	20	-2.22	-0.003	PASS
Band12	3	23095	15	#0	16QAM	NV	30	-1.07	-0.002	PASS
Band12	3	23095	15	#0	16QAM	NV	40	-0.86	-0.001	PASS
Band12	3	23095	15	#0	16QAM	NV	50	-2.78	-0.004	PASS
Band12	3	23165	15	#0	QPSK	NV	-30	-4.98	-0.007	PASS
Band12	3	23165	15	#0	QPSK	NV	-20	-3.03	-0.004	PASS

Band12	3	23165	15	#0	QPSK	NV	-10	-6.58	-0.009	PASS
Band12	3	23165	15	#0	QPSK	NV	0	-4.65	-0.007	PASS
Band12	3	23165	15	#0	QPSK	NV	10	-4.73	-0.007	PASS
Band12	3	23165	15	#0	QPSK	NV	20	-3.72	-0.005	PASS
Band12	3	23165	15	#0	QPSK	NV	30	-1.52	-0.002	PASS
Band12	3	23165	15	#0	QPSK	NV	40	-0.73	-0.001	PASS
Band12	3	23165	15	#0	QPSK	NV	50	-2.68	-0.004	PASS
Band12	3	23165	15	#0	16QAM	NV	-30	-4.63	-0.006	PASS
Band12	3	23165	15	#0	16QAM	NV	-20	-1.46	-0.002	PASS
Band12	3	23165	15	#0	16QAM	NV	-10	1.44	0.002	PASS
Band12	3	23165	15	#0	16QAM	NV	0	3.23	0.005	PASS
Band12	3	23165	15	#0	16QAM	NV	10	4.26	0.006	PASS
Band12	3	23165	15	#0	16QAM	NV	20	-3.09	-0.004	PASS
Band12	3	23165	15	#0	16QAM	NV	30	1.07	0.001	PASS
Band12	3	23165	15	#0	16QAM	NV	40	-3.58	-0.005	PASS
Band12	3	23165	15	#0	16QAM	NV	50	-6.69	-0.009	PASS
Band12	5	23035	25	#0	QPSK	NV	-30	-5.88	-0.008	PASS
Band12	5	23035	25	#0	QPSK	NV	-20	-9.30	-0.013	PASS
Band12	5	23035	25	#0	QPSK	NV	-10	-4.38	-0.006	PASS
Band12	5	23035	25	#0	QPSK	NV	0	-4.42	-0.006	PASS
Band12	5	23035	25	#0	QPSK	NV	10	-2.36	-0.003	PASS
Band12	5	23035	25	#0	QPSK	NV	20	-0.57	-0.001	PASS
Band12	5	23035	25	#0	QPSK	NV	30	-0.92	-0.001	PASS
Band12	5	23035	25	#0	QPSK	NV	40	0.54	0.001	PASS
Band12	5	23035	25	#0	QPSK	NV	50	-2.09	-0.003	PASS
Band12	5	23035	25	#0	16QAM	NV	-30	-0.72	-0.001	PASS
Band12	5	23035	25	#0	16QAM	NV	-20	0.09	0.000	PASS
Band12	5	23035	25	#0	16QAM	NV	-10	2.39	0.003	PASS
Band12	5	23035	25	#0	16QAM	NV	0	0.74	0.001	PASS
Band12	5	23035	25	#0	16QAM	NV	10	-2.10	-0.003	PASS
Band12	5	23035	25	#0	16QAM	NV	20	-0.44	-0.001	PASS
Band12	5	23035	25	#0	16QAM	NV	30	-2.98	-0.004	PASS
Band12	5	23035	25	#0	16QAM	NV	40	-3.38	-0.005	PASS
Band12	5	23035	25	#0	16QAM	NV	50	-1.63	-0.002	PASS
Band12	5	23095	25	#0	QPSK	NV	-30	-5.14	-0.007	PASS
Band12	5	23095	25	#0	QPSK	NV	-20	-4.85	-0.007	PASS
Band12	5	23095	25	#0	QPSK	NV	-10	-3.28	-0.005	PASS
Band12	5	23095	25	#0	QPSK	NV	0	-3.16	-0.004	PASS
Band12	5	23095	25	#0	QPSK	NV	10	-1.56	-0.002	PASS
Band12	5	23095	25	#0	QPSK	NV	20	-3.18	-0.004	PASS
Band12	5	23095	25	#0	QPSK	NV	30	-3.86	-0.005	PASS
Band12	5	23095	25	#0	QPSK	NV	40	-1.33	-0.002	PASS
Band12	5	23095	25	#0	QPSK	NV	50	-0.93	-0.001	PASS

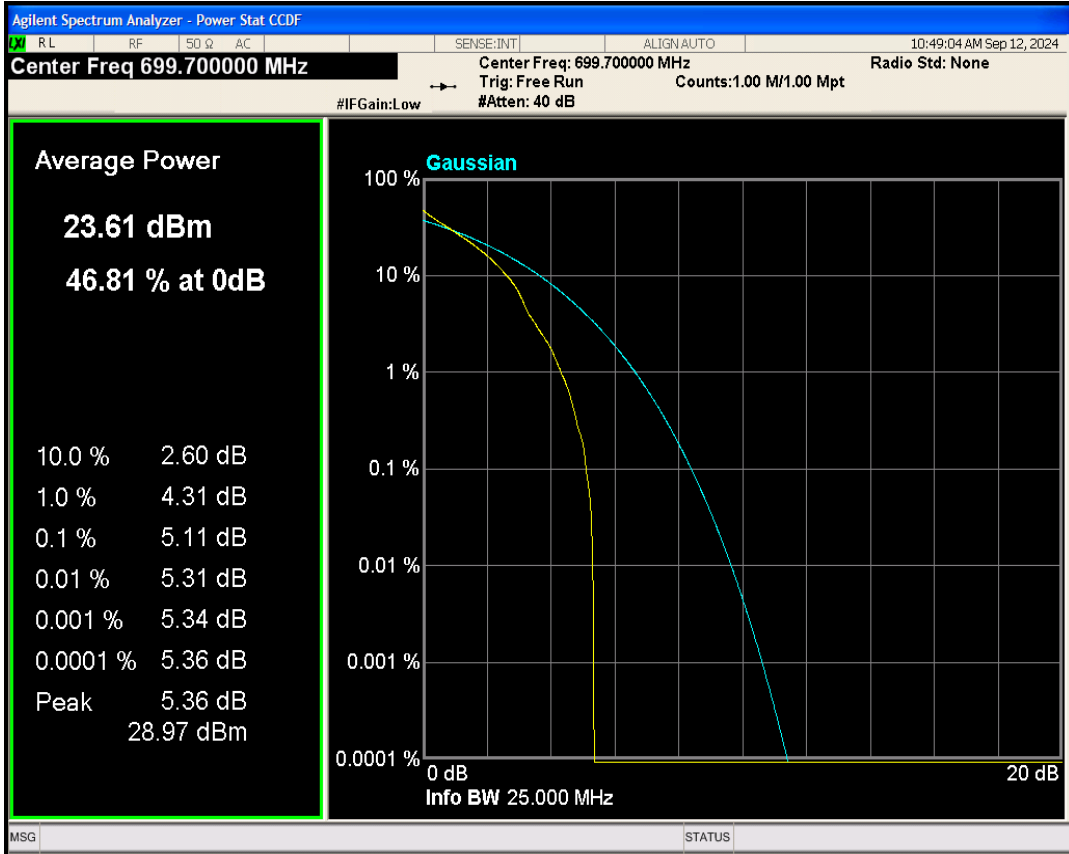
Band12	5	23095	25	#0	16QAM	NV	-30	-3.33	-0.005	PASS
Band12	5	23095	25	#0	16QAM	NV	-20	-1.10	-0.002	PASS
Band12	5	23095	25	#0	16QAM	NV	-10	-4.01	-0.006	PASS
Band12	5	23095	25	#0	16QAM	NV	0	-1.83	-0.003	PASS
Band12	5	23095	25	#0	16QAM	NV	10	-1.52	-0.002	PASS
Band12	5	23095	25	#0	16QAM	NV	20	-5.09	-0.007	PASS
Band12	5	23095	25	#0	16QAM	NV	30	-2.83	-0.004	PASS
Band12	5	23095	25	#0	16QAM	NV	40	-1.73	-0.002	PASS
Band12	5	23095	25	#0	16QAM	NV	50	-1.24	-0.002	PASS
Band12	5	23155	25	#0	QPSK	NV	-30	-0.89	-0.001	PASS
Band12	5	23155	25	#0	QPSK	NV	-20	-3.50	-0.005	PASS
Band12	5	23155	25	#0	QPSK	NV	-10	-3.10	-0.004	PASS
Band12	5	23155	25	#0	QPSK	NV	0	-4.56	-0.006	PASS
Band12	5	23155	25	#0	QPSK	NV	10	-4.46	-0.006	PASS
Band12	5	23155	25	#0	QPSK	NV	20	-3.79	-0.005	PASS
Band12	5	23155	25	#0	QPSK	NV	30	0.80	0.001	PASS
Band12	5	23155	25	#0	QPSK	NV	40	-6.68	-0.009	PASS
Band12	5	23155	25	#0	QPSK	NV	50	0.47	0.001	PASS
Band12	5	23155	25	#0	16QAM	NV	-30	-4.48	-0.006	PASS
Band12	5	23155	25	#0	16QAM	NV	-20	-4.12	-0.006	PASS
Band12	5	23155	25	#0	16QAM	NV	-10	0.41	0.001	PASS
Band12	5	23155	25	#0	16QAM	NV	0	1.92	0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	10	-3.88	-0.005	PASS
Band12	5	23155	25	#0	16QAM	NV	20	-4.73	-0.007	PASS
Band12	5	23155	25	#0	16QAM	NV	30	-0.80	-0.001	PASS
Band12	5	23155	25	#0	16QAM	NV	40	-1.02	-0.001	PASS
Band12	5	23155	25	#0	16QAM	NV	50	-6.57	-0.009	PASS
Band12	10	23060	50	#0	QPSK	NV	-30	-6.17	-0.009	PASS
Band12	10	23060	50	#0	QPSK	NV	-20	-6.42	-0.009	PASS
Band12	10	23060	50	#0	QPSK	NV	-10	-2.40	-0.003	PASS
Band12	10	23060	50	#0	QPSK	NV	0	-1.70	-0.002	PASS
Band12	10	23060	50	#0	QPSK	NV	10	-2.29	-0.003	PASS
Band12	10	23060	50	#0	QPSK	NV	20	-4.08	-0.006	PASS
Band12	10	23060	50	#0	QPSK	NV	30	-2.29	-0.003	PASS
Band12	10	23060	50	#0	QPSK	NV	40	-2.47	-0.004	PASS
Band12	10	23060	50	#0	QPSK	NV	50	-2.56	-0.004	PASS
Band12	10	23060	50	#0	16QAM	NV	-30	-2.46	-0.003	PASS
Band12	10	23060	50	#0	16QAM	NV	-20	-3.02	-0.004	PASS
Band12	10	23060	50	#0	16QAM	NV	-10	-2.42	-0.003	PASS
Band12	10	23060	50	#0	16QAM	NV	0	-0.07	0.000	PASS
Band12	10	23060	50	#0	16QAM	NV	10	0.19	0.000	PASS
Band12	10	23060	50	#0	16QAM	NV	20	-0.73	-0.001	PASS
Band12	10	23060	50	#0	16QAM	NV	30	-0.29	0.000	PASS

Band12	10	23060	50	#0	16QAM	NV	40	-1.23	-0.002	PASS
Band12	10	23060	50	#0	16QAM	NV	50	-3.08	-0.004	PASS
Band12	10	23095	50	#0	QPSK	NV	-30	-1.43	-0.002	PASS
Band12	10	23095	50	#0	QPSK	NV	-20	-2.20	-0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	-10	-2.40	-0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	0	-2.26	-0.003	PASS
Band12	10	23095	50	#0	QPSK	NV	10	-2.75	-0.004	PASS
Band12	10	23095	50	#0	QPSK	NV	20	-2.65	-0.004	PASS
Band12	10	23095	50	#0	QPSK	NV	30	-1.56	-0.002	PASS
Band12	10	23095	50	#0	QPSK	NV	40	-0.74	-0.001	PASS
Band12	10	23095	50	#0	QPSK	NV	50	-4.28	-0.006	PASS
Band12	10	23095	50	#0	16QAM	NV	-30	-2.19	-0.003	PASS
Band12	10	23095	50	#0	16QAM	NV	-20	-2.32	-0.003	PASS
Band12	10	23095	50	#0	16QAM	NV	-10	-2.25	-0.003	PASS
Band12	10	23095	50	#0	16QAM	NV	0	-1.63	-0.002	PASS
Band12	10	23095	50	#0	16QAM	NV	10	-2.79	-0.004	PASS
Band12	10	23095	50	#0	16QAM	NV	20	-4.18	-0.006	PASS
Band12	10	23095	50	#0	16QAM	NV	30	-0.69	-0.001	PASS
Band12	10	23095	50	#0	16QAM	NV	40	-2.15	-0.003	PASS
Band12	10	23095	50	#0	16QAM	NV	50	-1.75	-0.002	PASS
Band12	10	23130	50	#0	QPSK	NV	-30	-1.76	-0.002	PASS
Band12	10	23130	50	#0	QPSK	NV	-20	-4.65	-0.007	PASS
Band12	10	23130	50	#0	QPSK	NV	-10	-2.88	-0.004	PASS
Band12	10	23130	50	#0	QPSK	NV	0	-3.65	-0.005	PASS
Band12	10	23130	50	#0	QPSK	NV	10	-3.02	-0.004	PASS
Band12	10	23130	50	#0	QPSK	NV	20	-4.96	-0.007	PASS
Band12	10	23130	50	#0	QPSK	NV	30	-5.01	-0.007	PASS
Band12	10	23130	50	#0	QPSK	NV	40	-1.04	-0.001	PASS
Band12	10	23130	50	#0	QPSK	NV	50	-5.18	-0.007	PASS
Band12	10	23130	50	#0	16QAM	NV	-30	-0.53	-0.001	PASS
Band12	10	23130	50	#0	16QAM	NV	-20	-1.29	-0.002	PASS
Band12	10	23130	50	#0	16QAM	NV	-10	-4.76	-0.007	PASS
Band12	10	23130	50	#0	16QAM	NV	0	-4.66	-0.007	PASS
Band12	10	23130	50	#0	16QAM	NV	10	-1.50	-0.002	PASS
Band12	10	23130	50	#0	16QAM	NV	20	-1.73	-0.002	PASS
Band12	10	23130	50	#0	16QAM	NV	30	-2.56	-0.004	PASS
Band12	10	23130	50	#0	16QAM	NV	40	-0.11	0.000	PASS
Band12	10	23130	50	#0	16QAM	NV	50	-3.09	-0.004	PASS

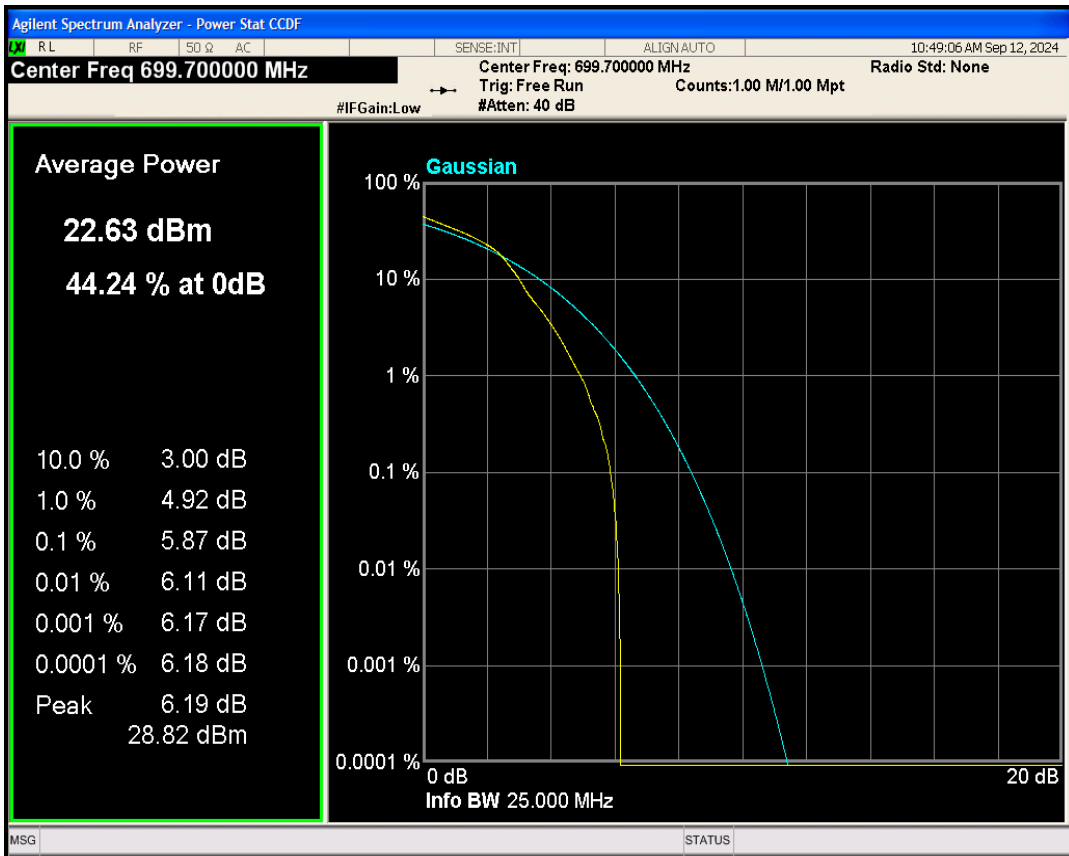
### Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	5.11	13	PASS
Band12	1.4	23017	1	#0	16QAM	5.87	13	PASS
Band12	1.4	23095	1	#0	QPSK	4.63	13	PASS
Band12	1.4	23095	1	#0	16QAM	5.51	13	PASS
Band12	1.4	23173	1	#0	QPSK	4.47	13	PASS
Band12	1.4	23173	1	#0	16QAM	5.16	13	PASS
Band12	3	23025	1	#0	QPSK	4.98	13	PASS
Band12	3	23025	1	#0	16QAM	5.91	13	PASS
Band12	3	23095	1	#0	QPSK	4.44	13	PASS
Band12	3	23095	1	#0	16QAM	5.59	13	PASS
Band12	3	23165	1	#0	QPSK	4.86	13	PASS
Band12	3	23165	1	#0	16QAM	5.59	13	PASS
Band12	5	23035	1	#0	QPSK	5.11	13	PASS
Band12	5	23035	1	#0	16QAM	5.74	13	PASS
Band12	5	23095	1	#0	QPSK	4.28	13	PASS
Band12	5	23095	1	#0	16QAM	4.93	13	PASS
Band12	5	23155	1	#0	QPSK	5.46	13	PASS
Band12	5	23155	1	#0	16QAM	5.96	13	PASS
Band12	10	23060	1	#0	QPSK	4.82	13	PASS
Band12	10	23060	1	#0	16QAM	5.75	13	PASS
Band12	10	23095	1	#0	QPSK	4.57	13	PASS
Band12	10	23095	1	#0	16QAM	5.41	13	PASS
Band12	10	23130	1	#0	QPSK	4.39	13	PASS
Band12	10	23130	1	#0	16QAM	5.46	13	PASS

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

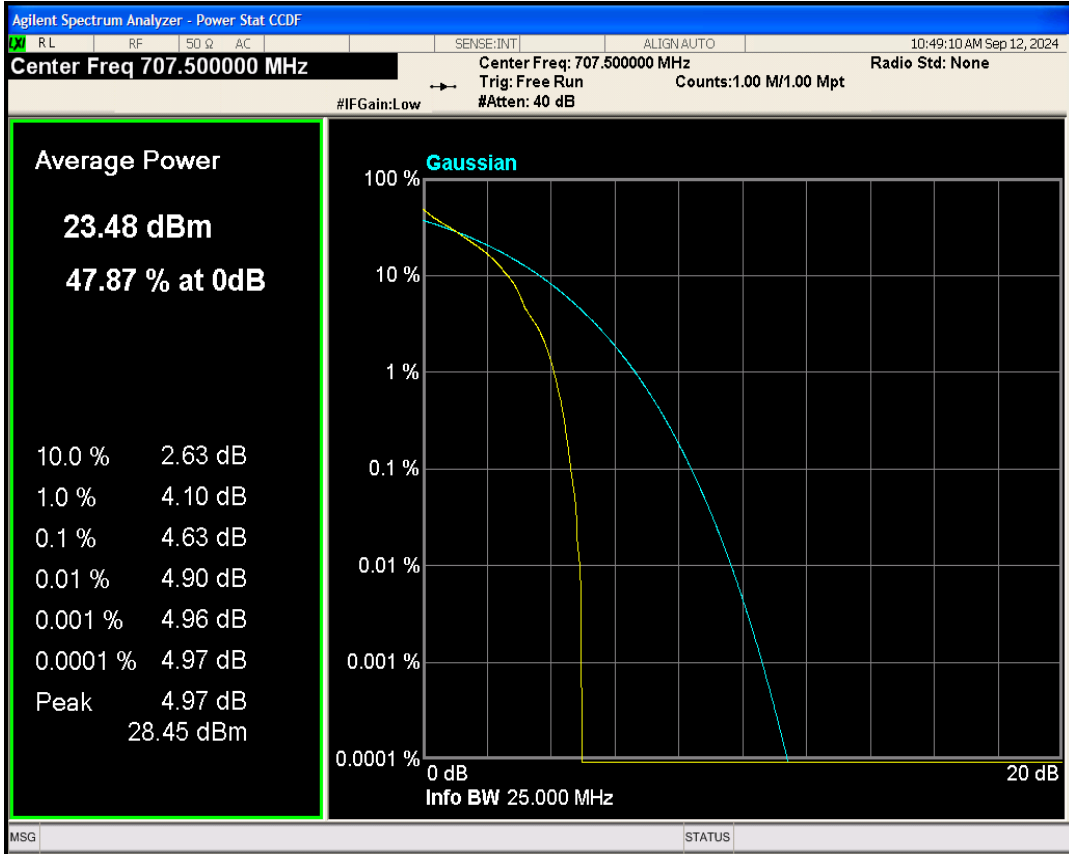


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0

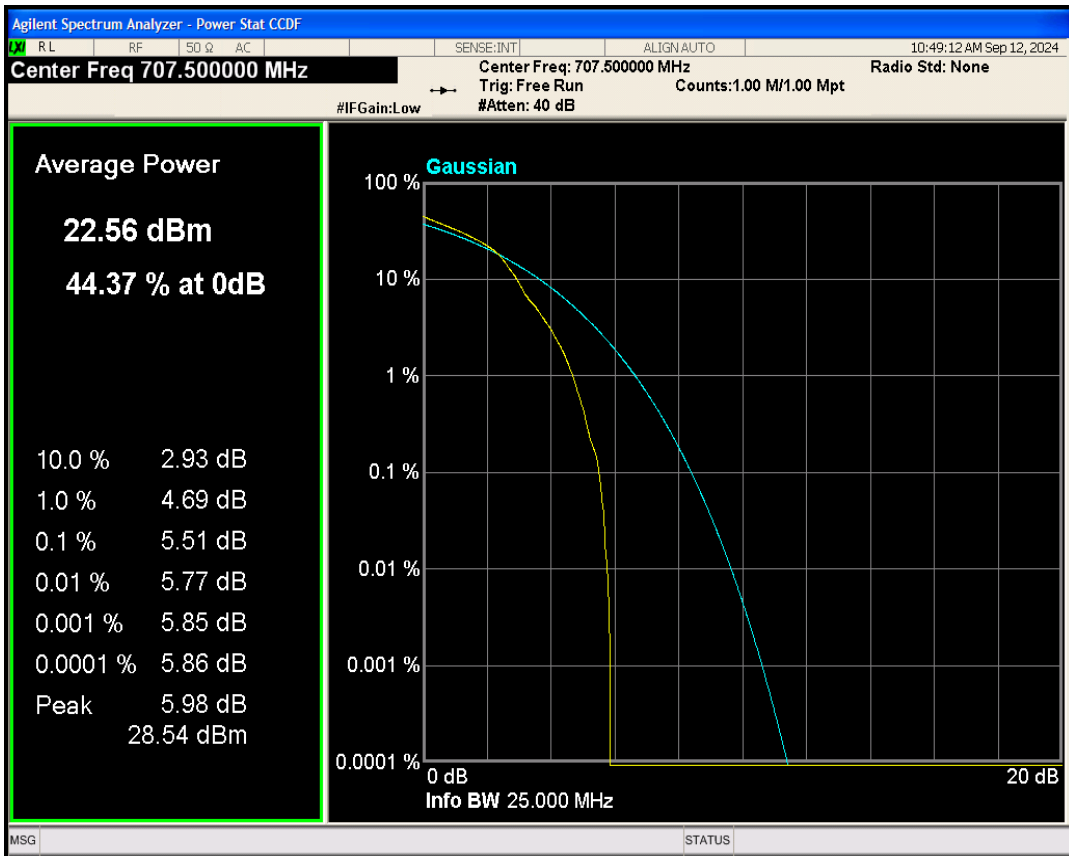


Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0

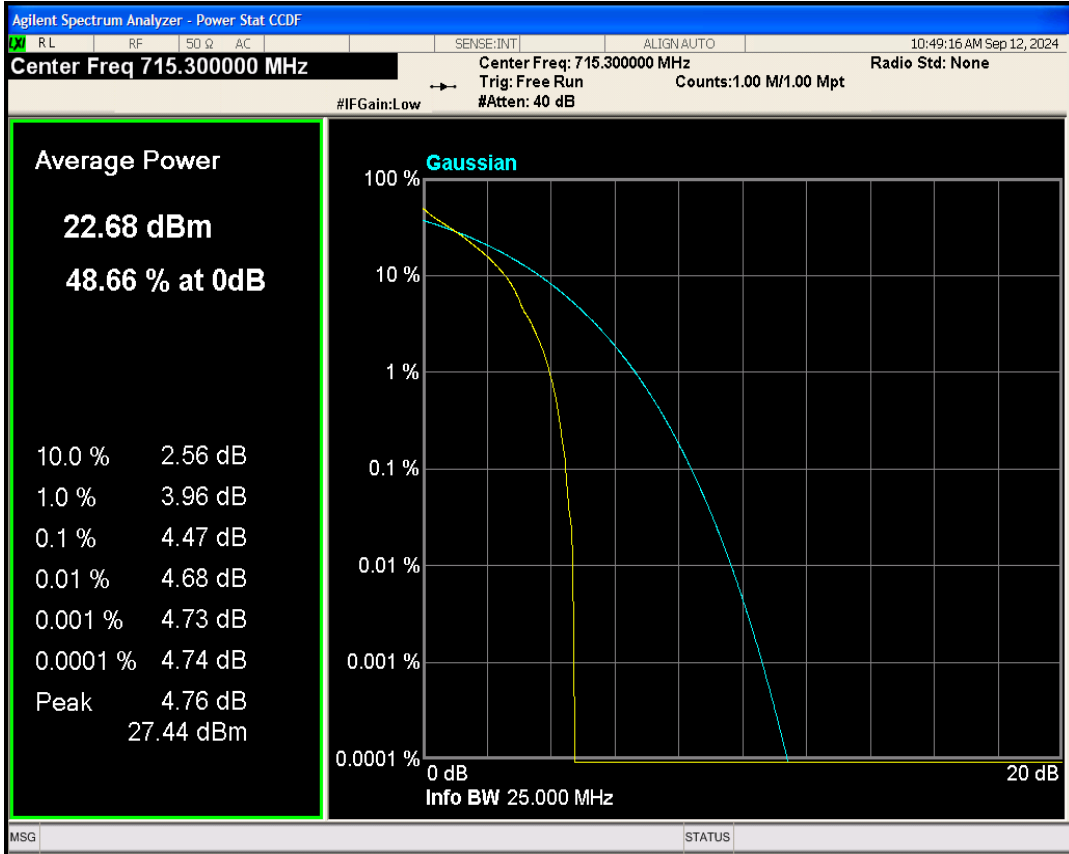




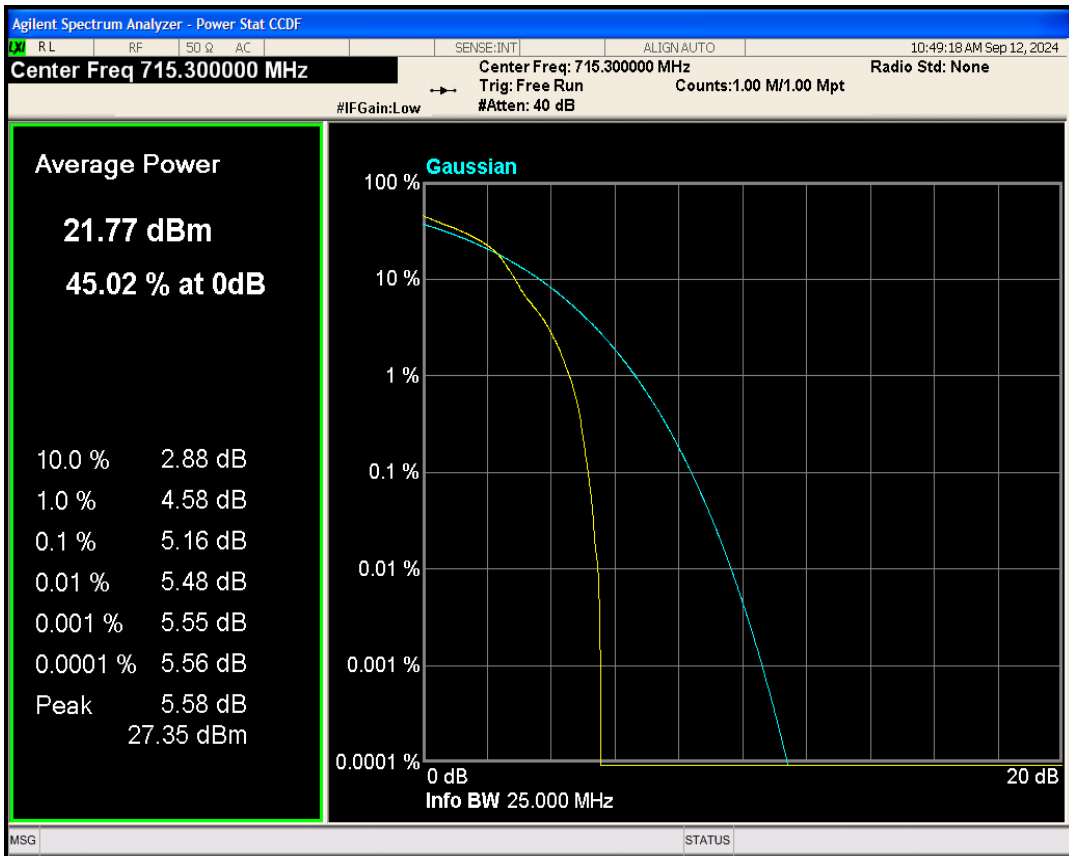
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



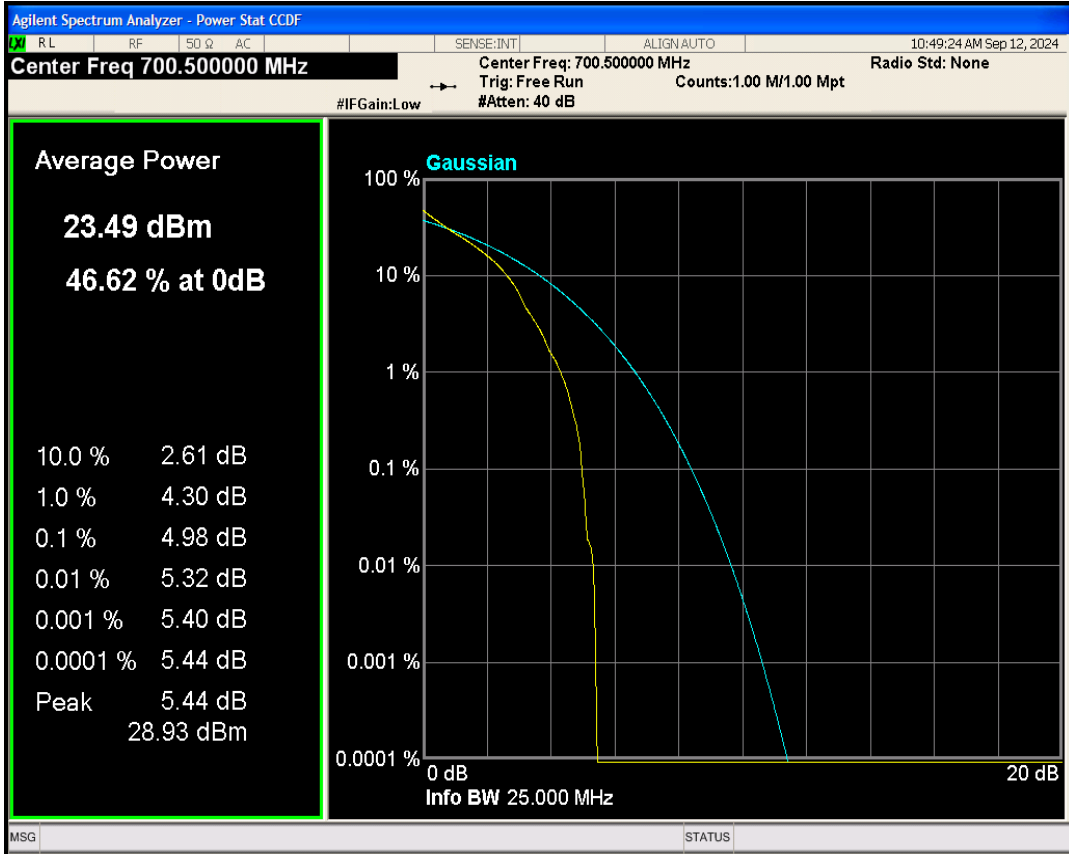
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



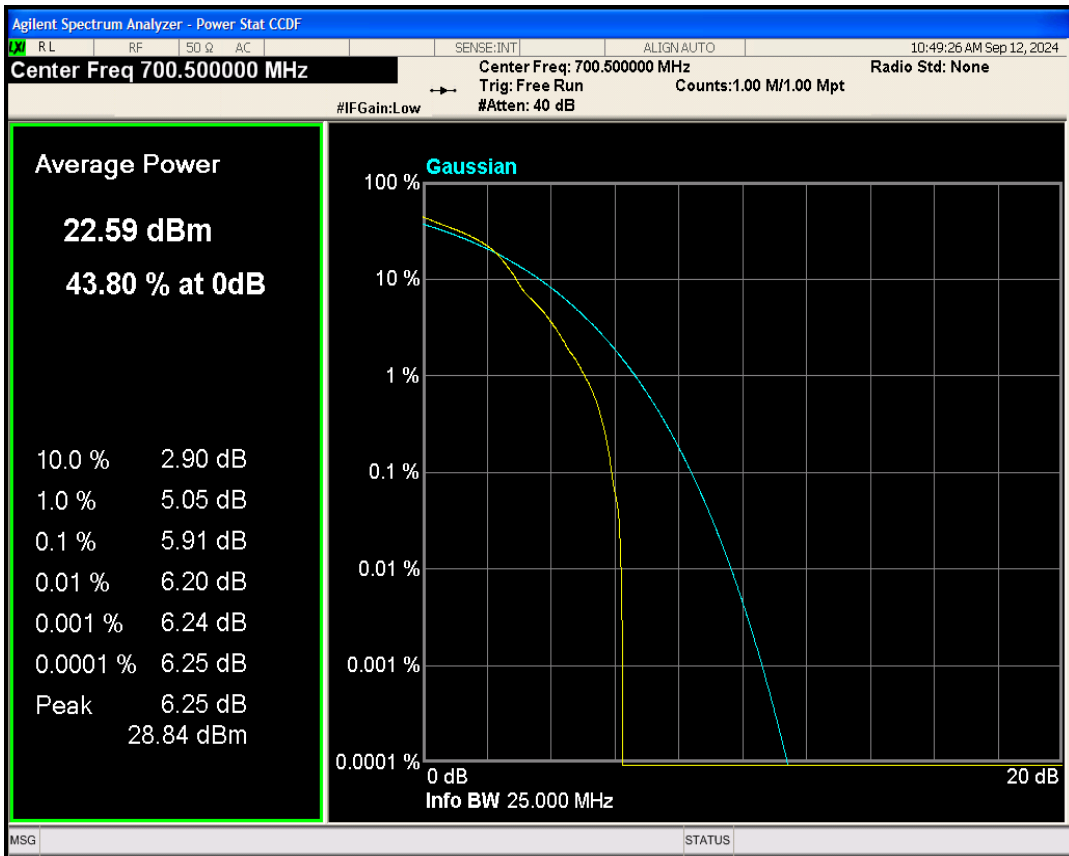
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



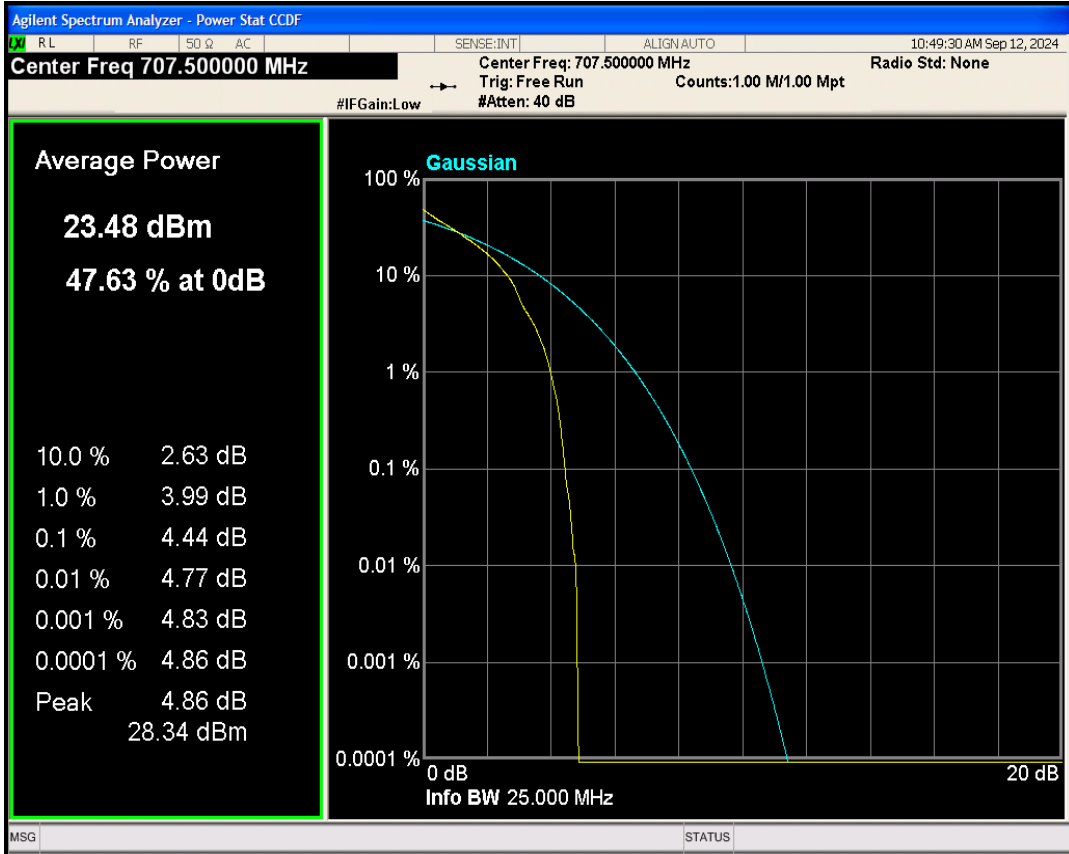
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



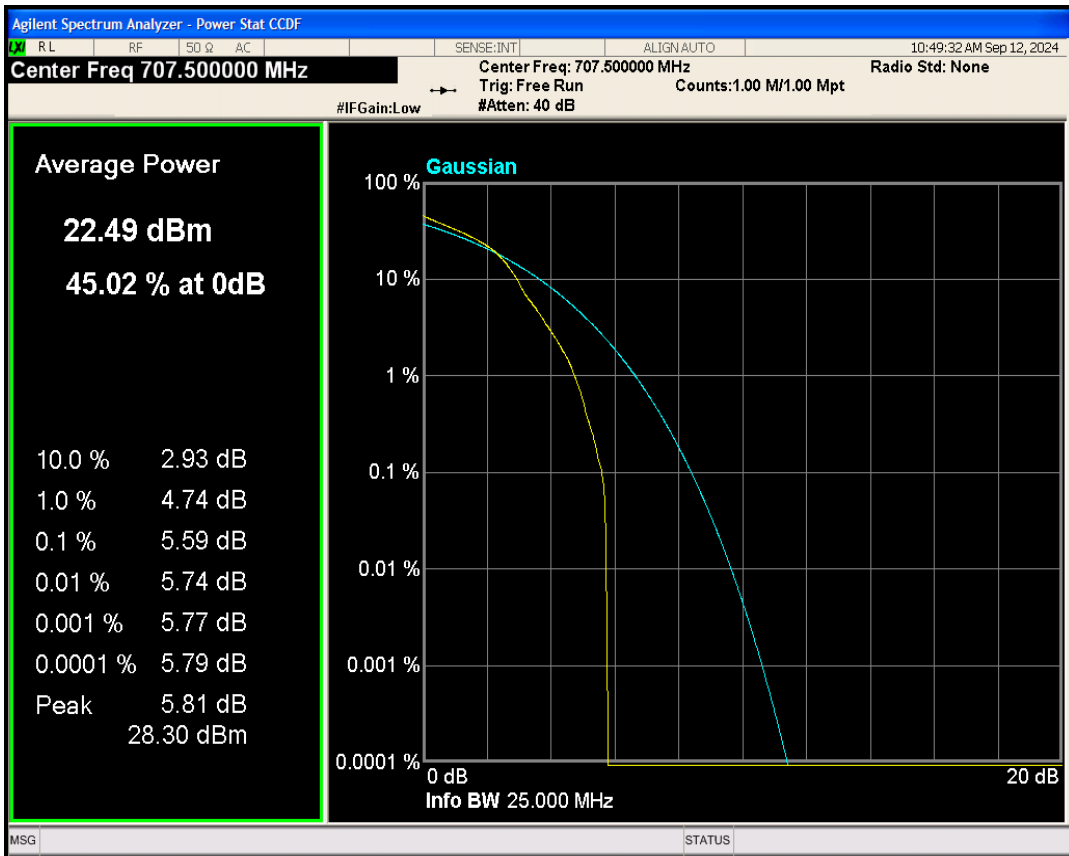
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



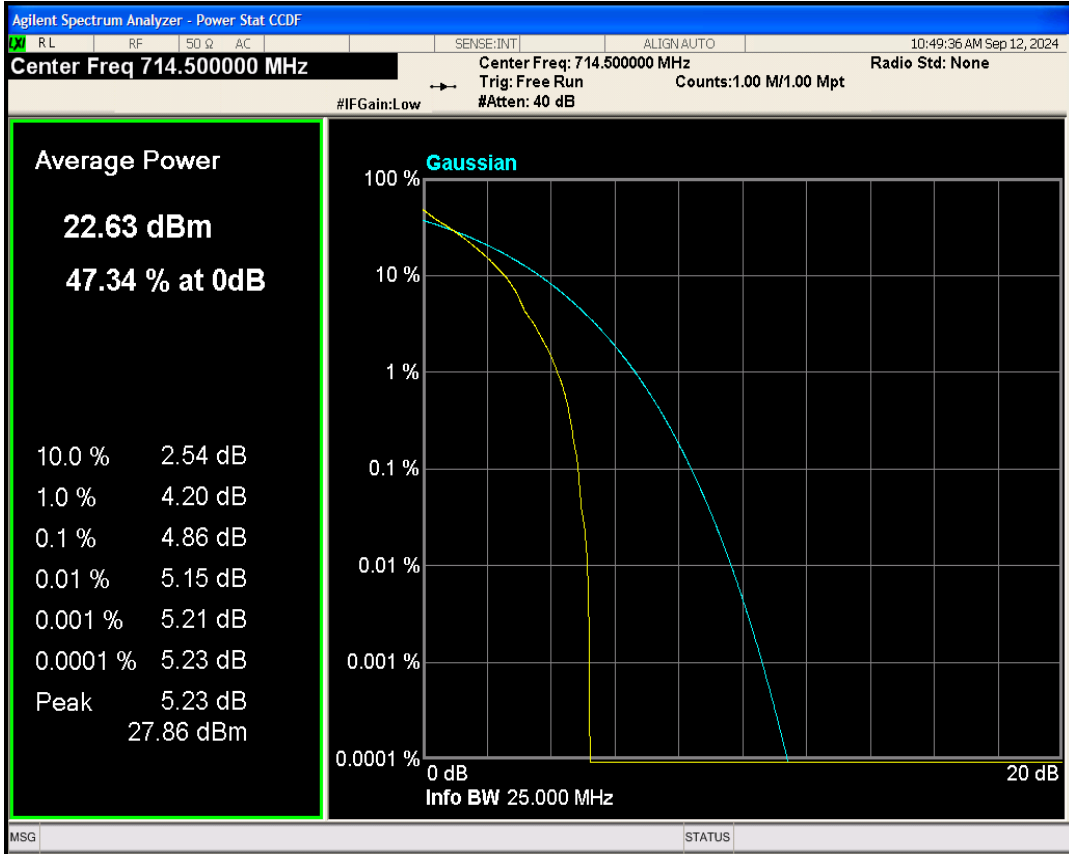
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



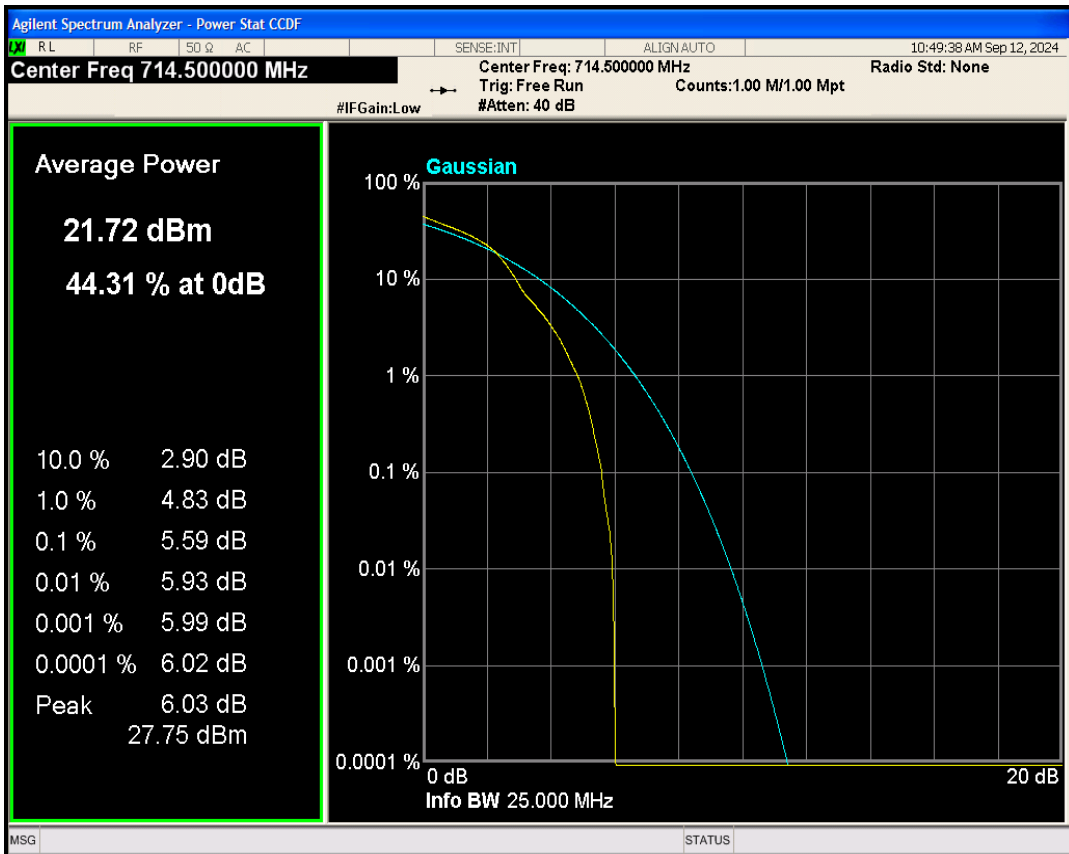
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



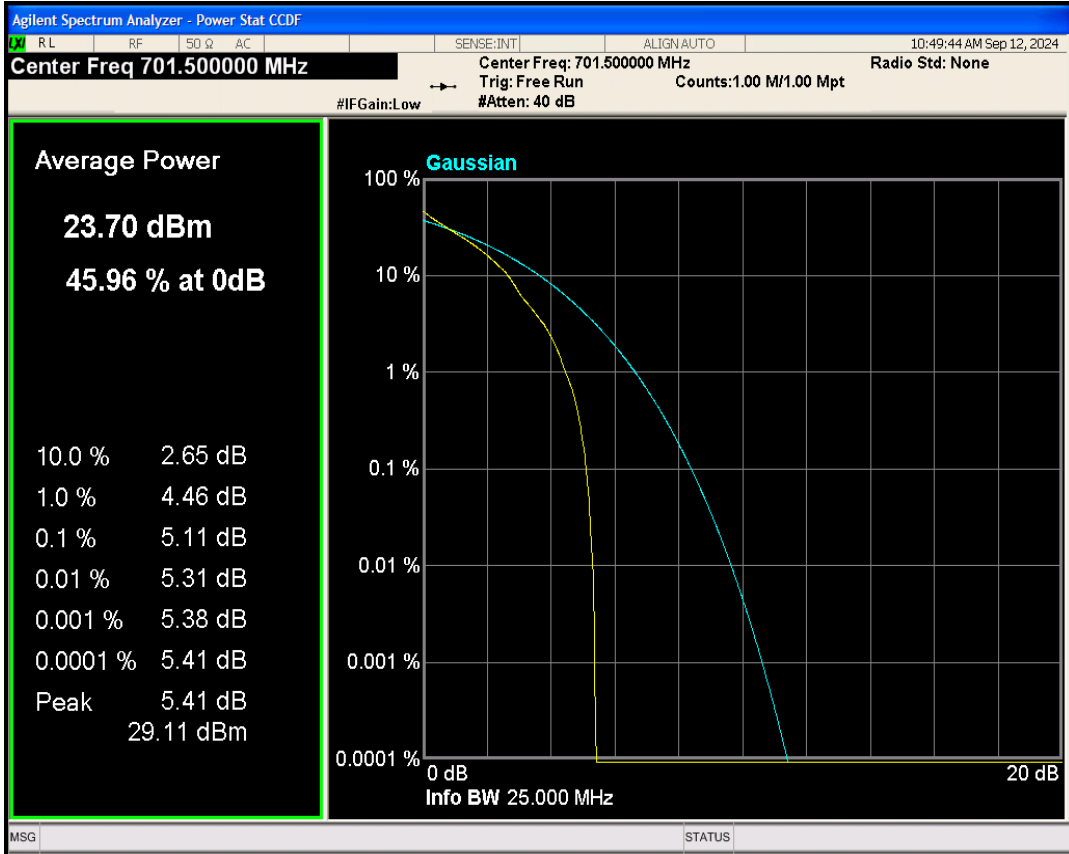
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



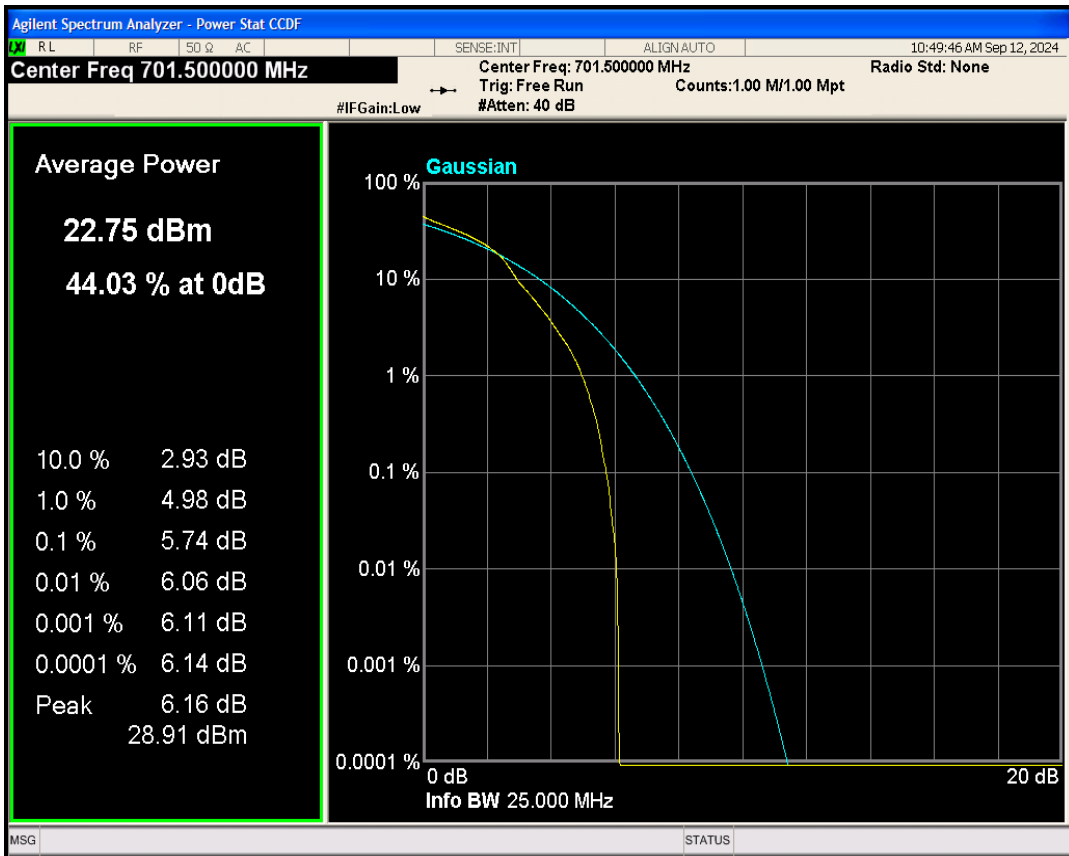
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



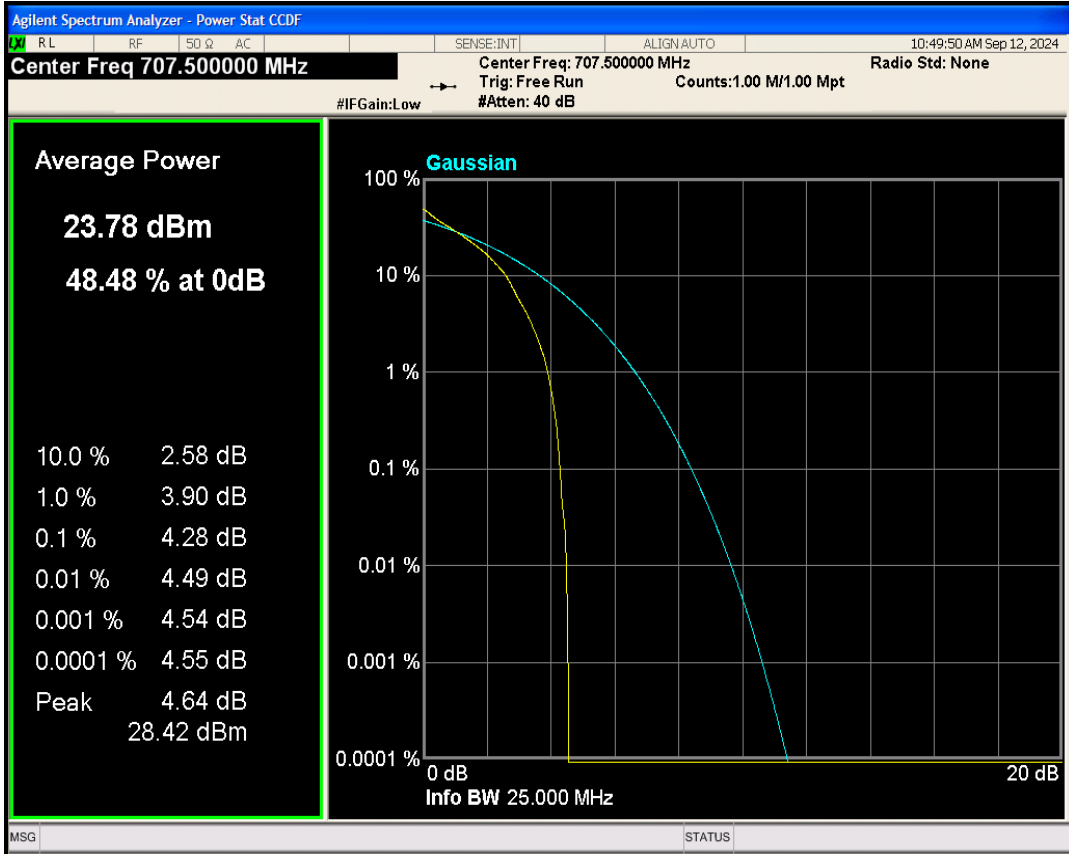
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



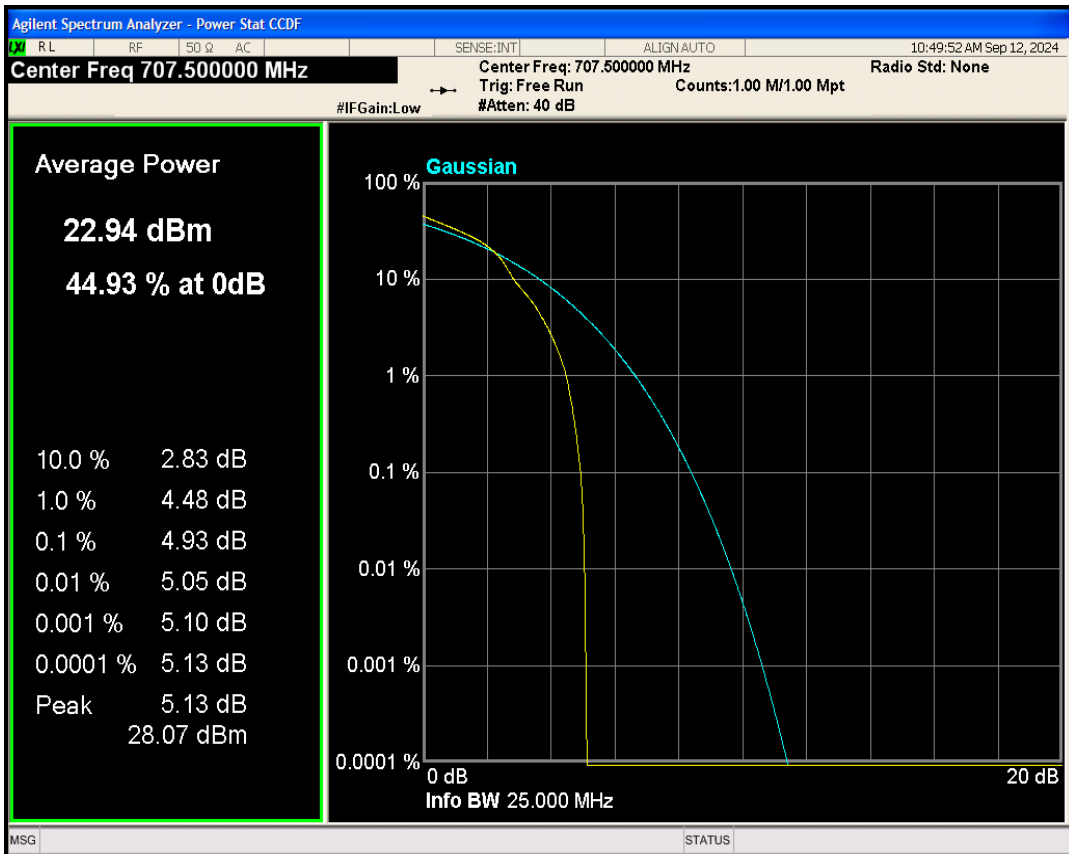
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



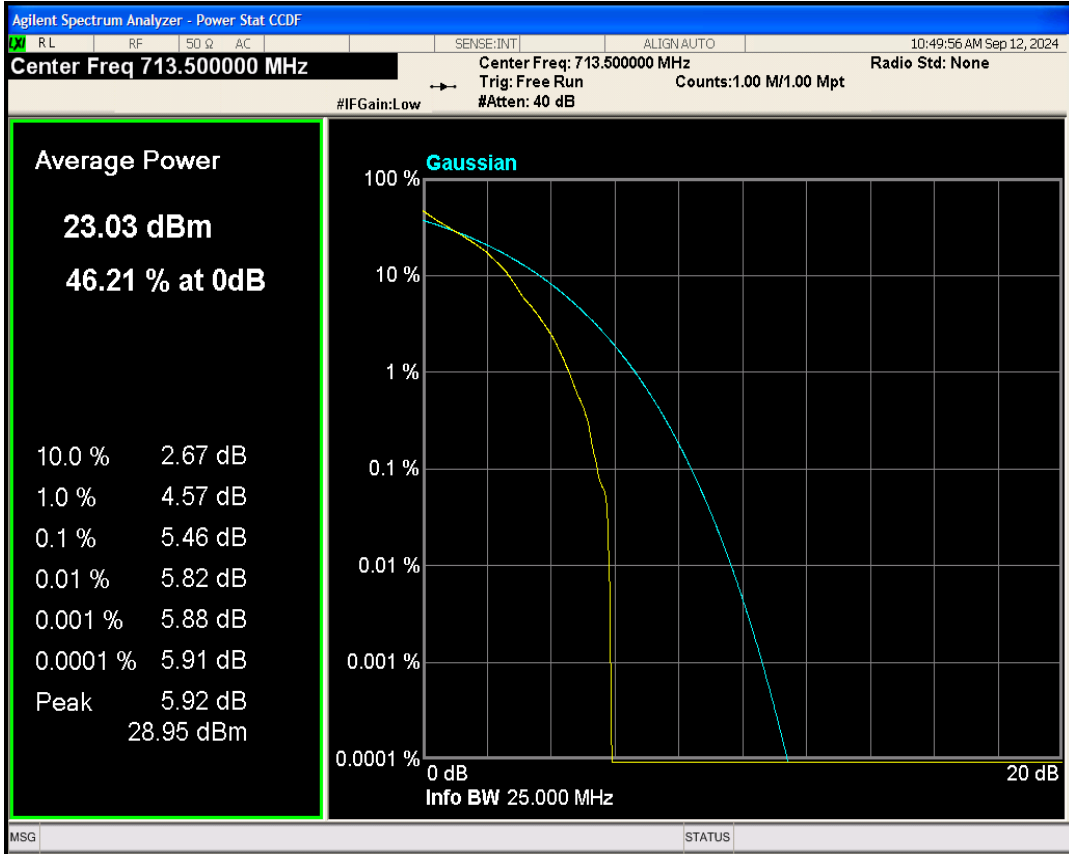
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



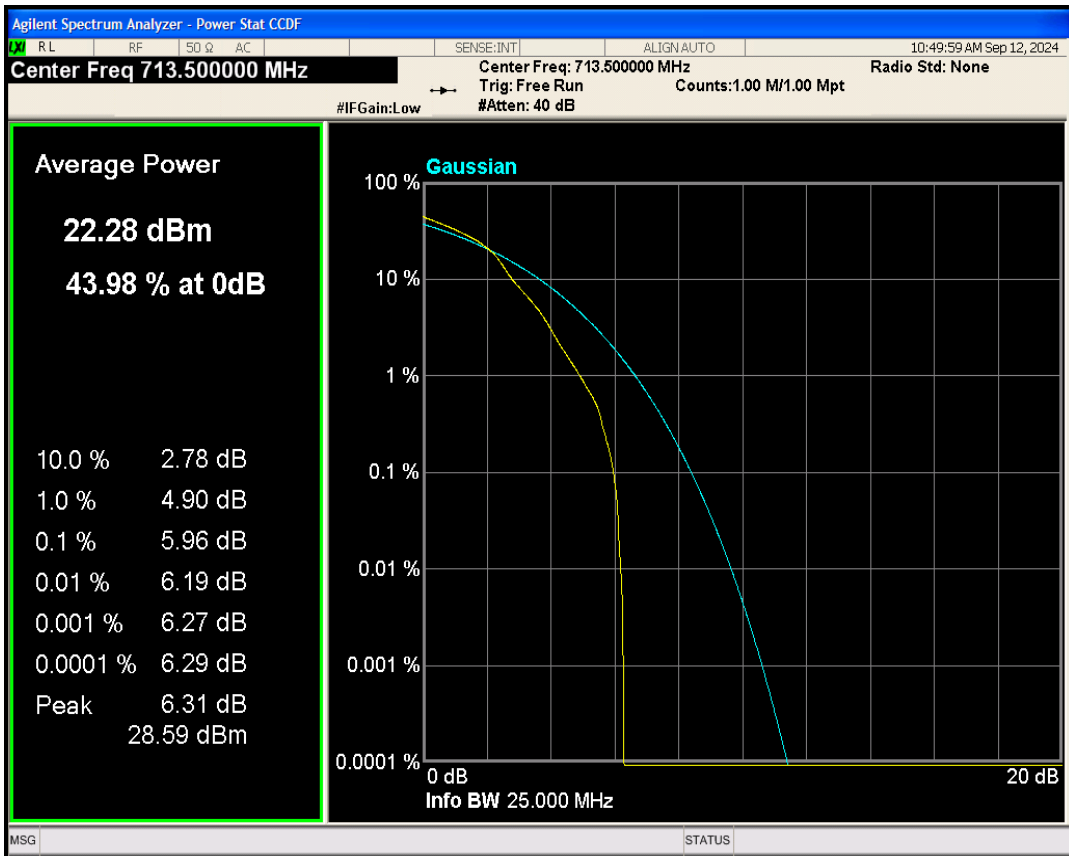
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



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

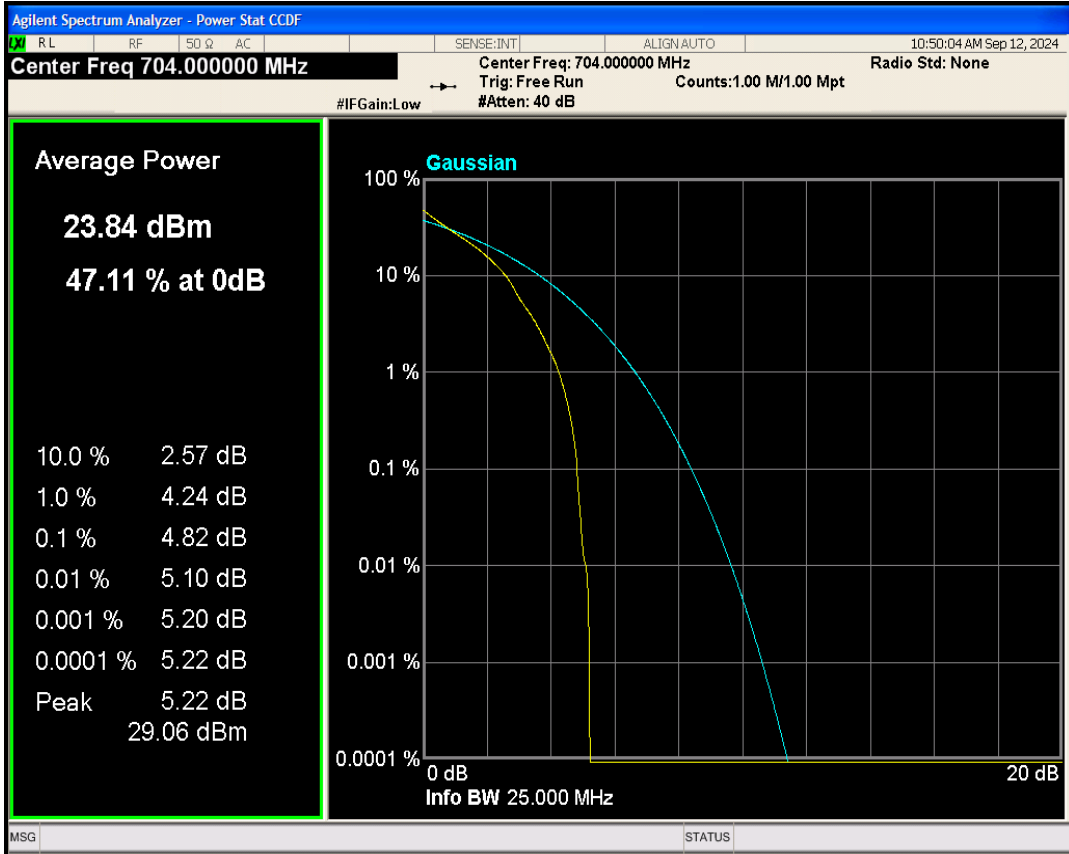


Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0

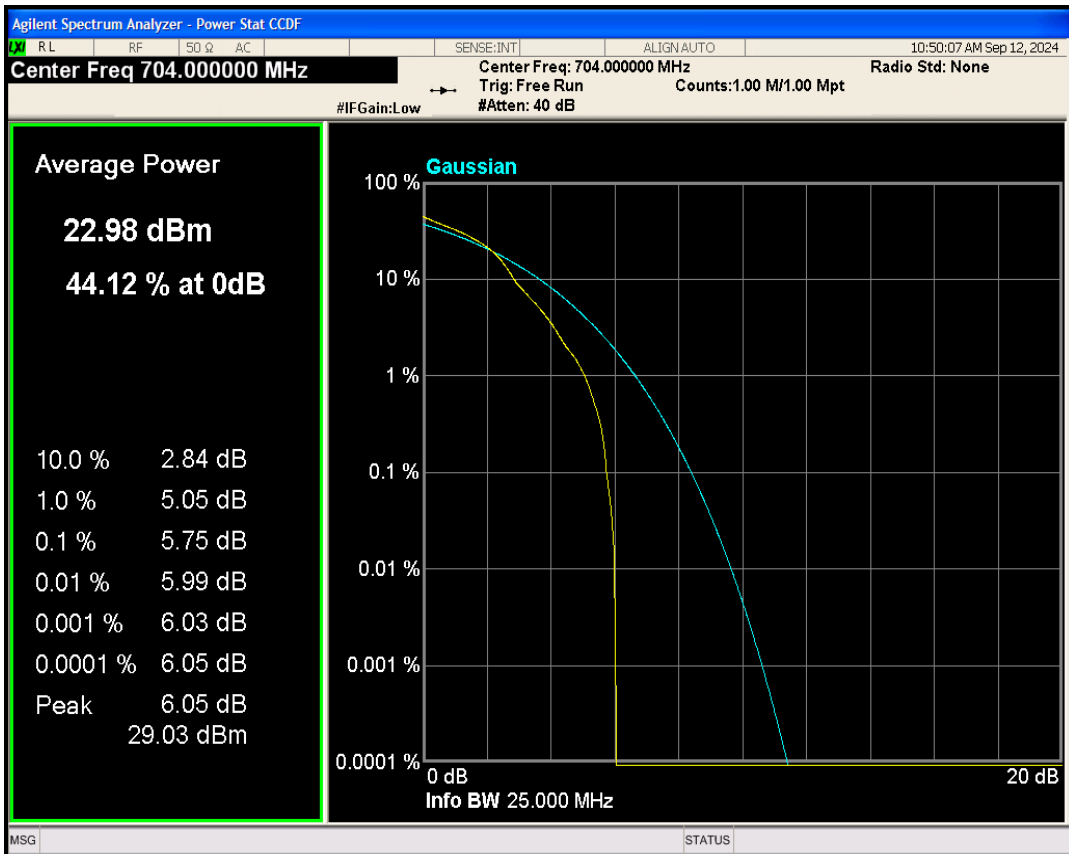


Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0

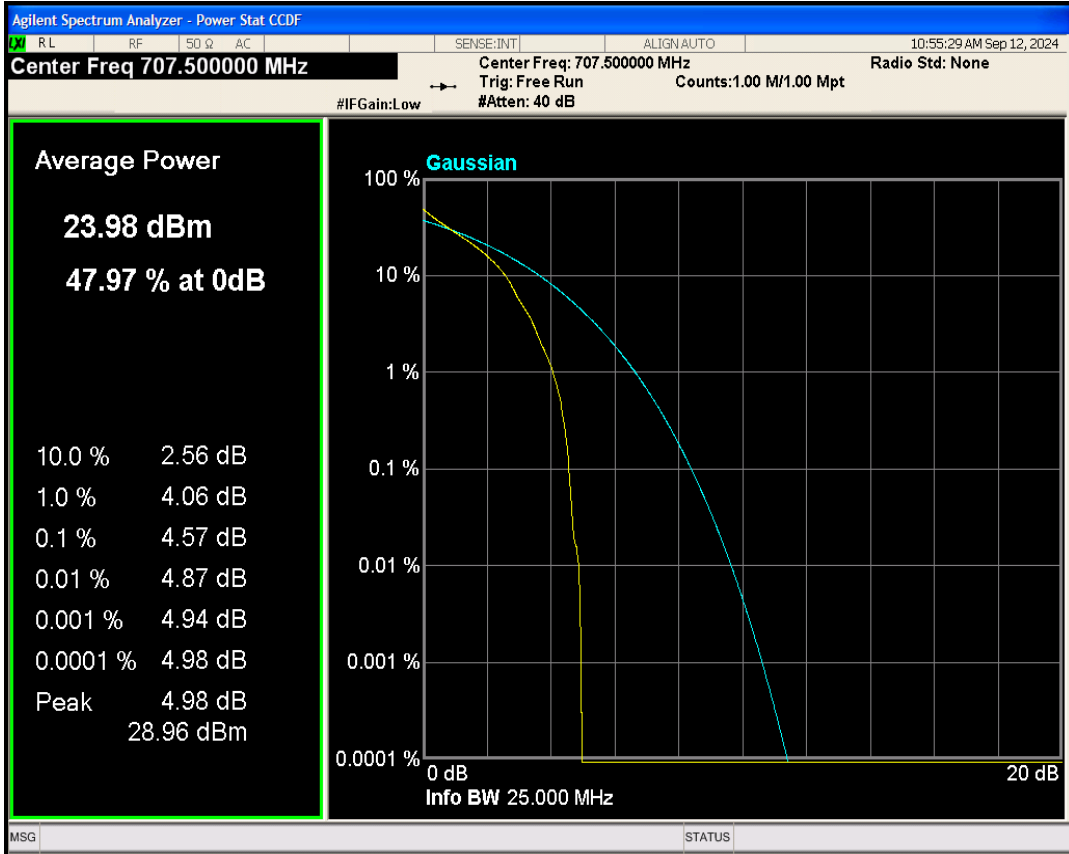




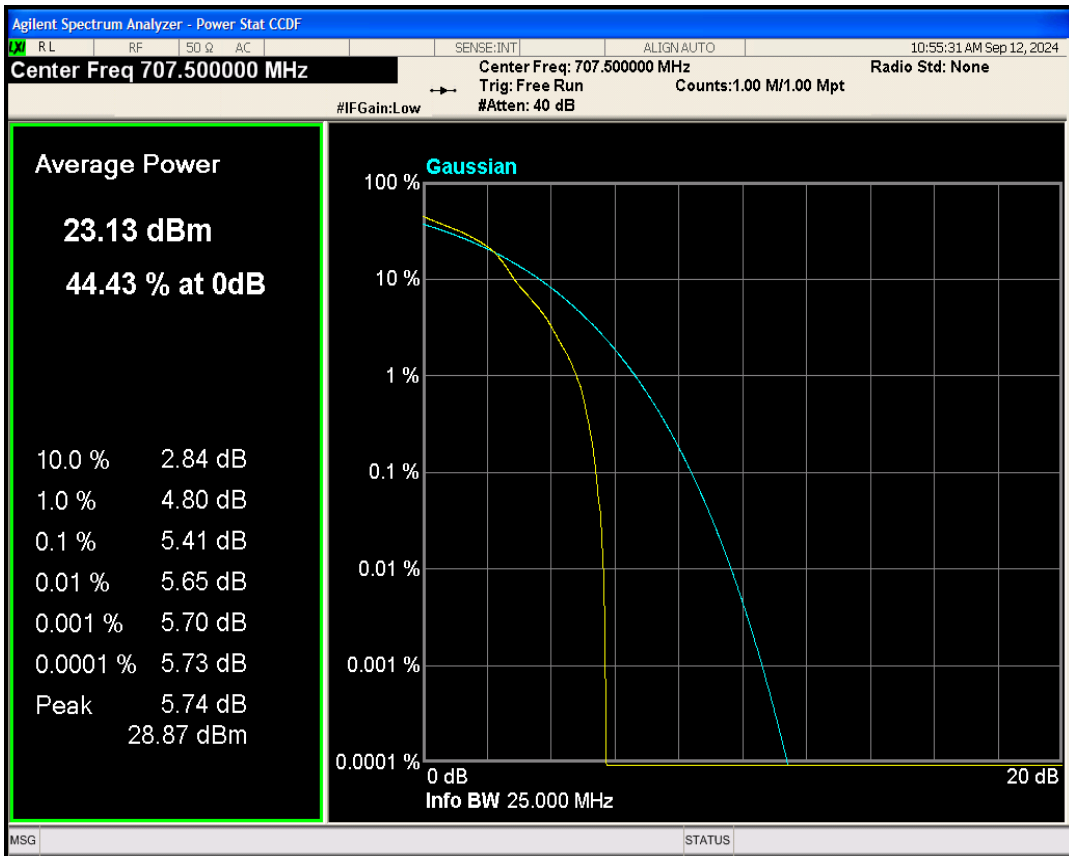
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



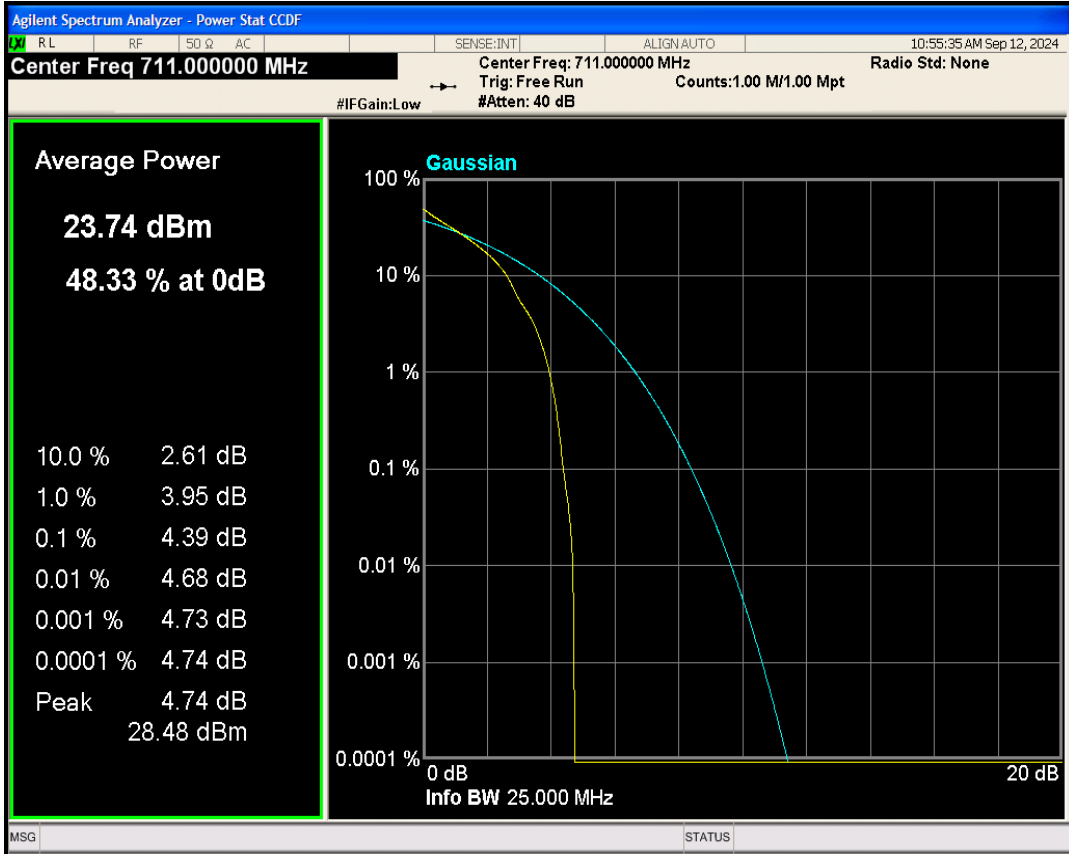
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



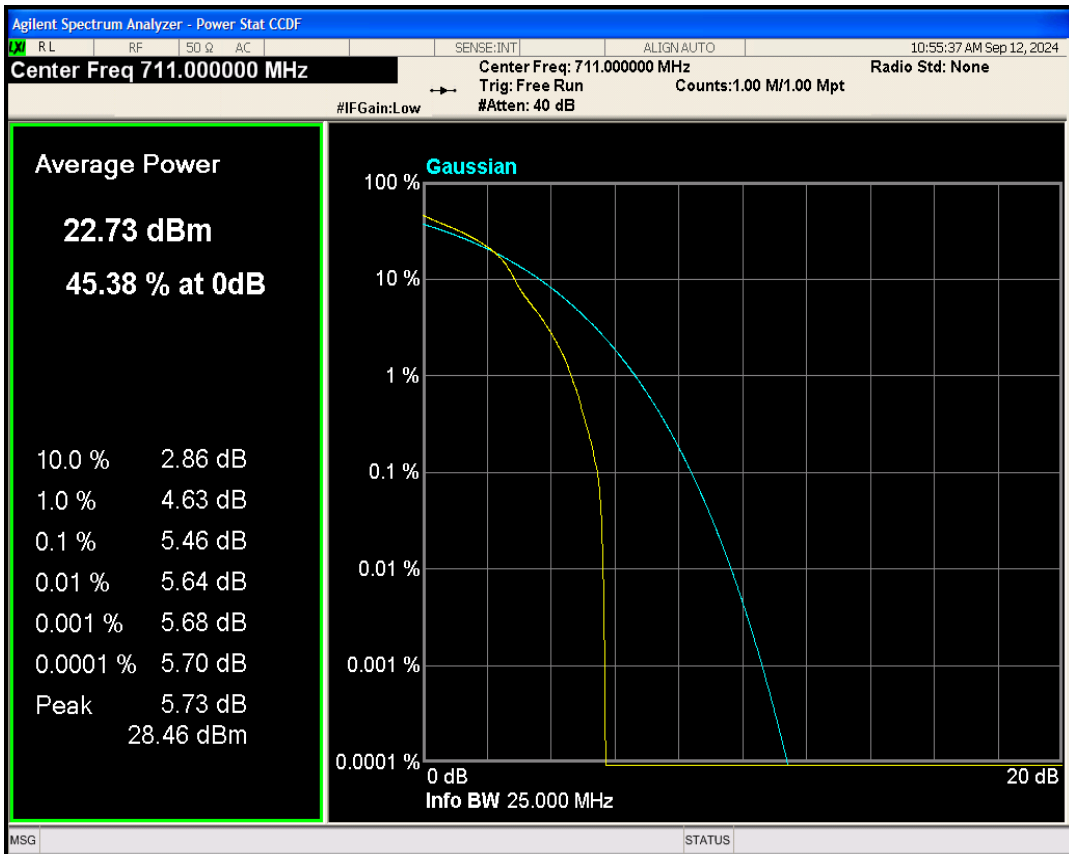
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



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



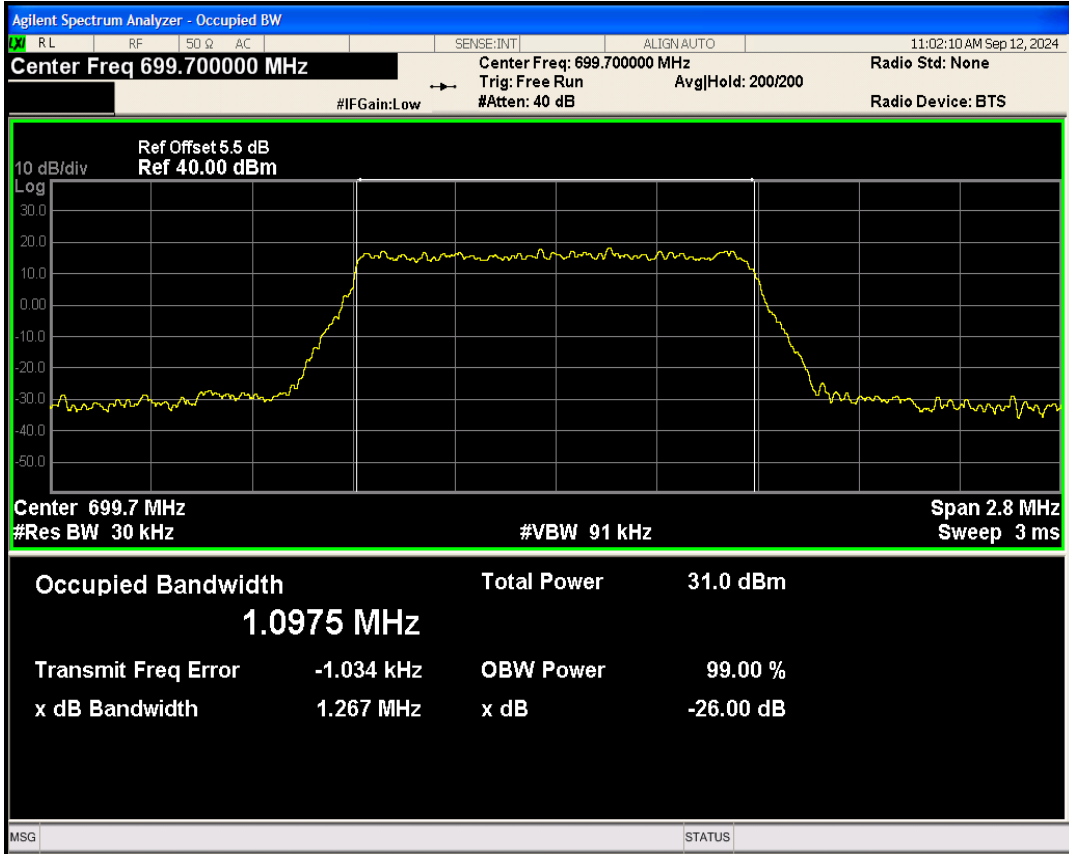
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



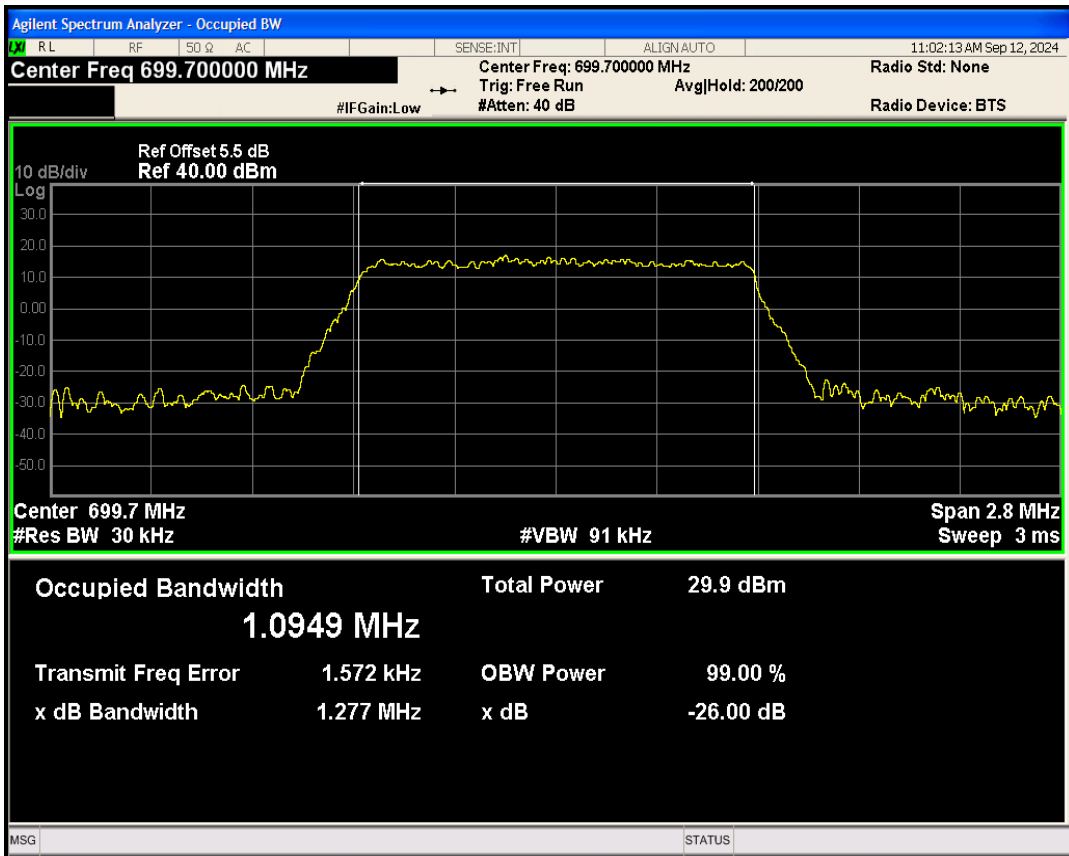
**Appendix 4. Occupied bandwidth**

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.097	1.267	PASS
Band12	1.4	23017	6	#0	16QAM	1.095	1.277	PASS
Band12	1.4	23095	6	#0	QPSK	1.095	1.261	PASS
Band12	1.4	23095	6	#0	16QAM	1.098	1.294	PASS
Band12	1.4	23173	6	#0	QPSK	1.095	1.294	PASS
Band12	1.4	23173	6	#0	16QAM	1.095	1.250	PASS
Band12	3	23025	15	#0	QPSK	2.689	2.970	PASS
Band12	3	23025	15	#0	16QAM	2.681	2.962	PASS
Band12	3	23095	15	#0	QPSK	2.684	2.934	PASS
Band12	3	23095	15	#0	16QAM	2.683	2.976	PASS
Band12	3	23165	15	#0	QPSK	2.690	2.965	PASS
Band12	3	23165	15	#0	16QAM	2.685	2.995	PASS
Band12	5	23035	25	#0	QPSK	4.514	4.912	PASS
Band12	5	23035	25	#0	16QAM	4.502	4.880	PASS
Band12	5	23095	25	#0	QPSK	4.514	4.895	PASS
Band12	5	23095	25	#0	16QAM	4.510	4.875	PASS
Band12	5	23155	25	#0	QPSK	4.505	4.863	PASS
Band12	5	23155	25	#0	16QAM	4.513	4.935	PASS
Band12	10	23060	50	#0	QPSK	8.975	9.707	PASS
Band12	10	23060	50	#0	16QAM	9.006	9.645	PASS
Band12	10	23095	50	#0	QPSK	8.962	9.665	PASS
Band12	10	23095	50	#0	16QAM	8.933	9.615	PASS
Band12	10	23130	50	#0	QPSK	8.962	9.787	PASS
Band12	10	23130	50	#0	16QAM	8.985	9.635	PASS

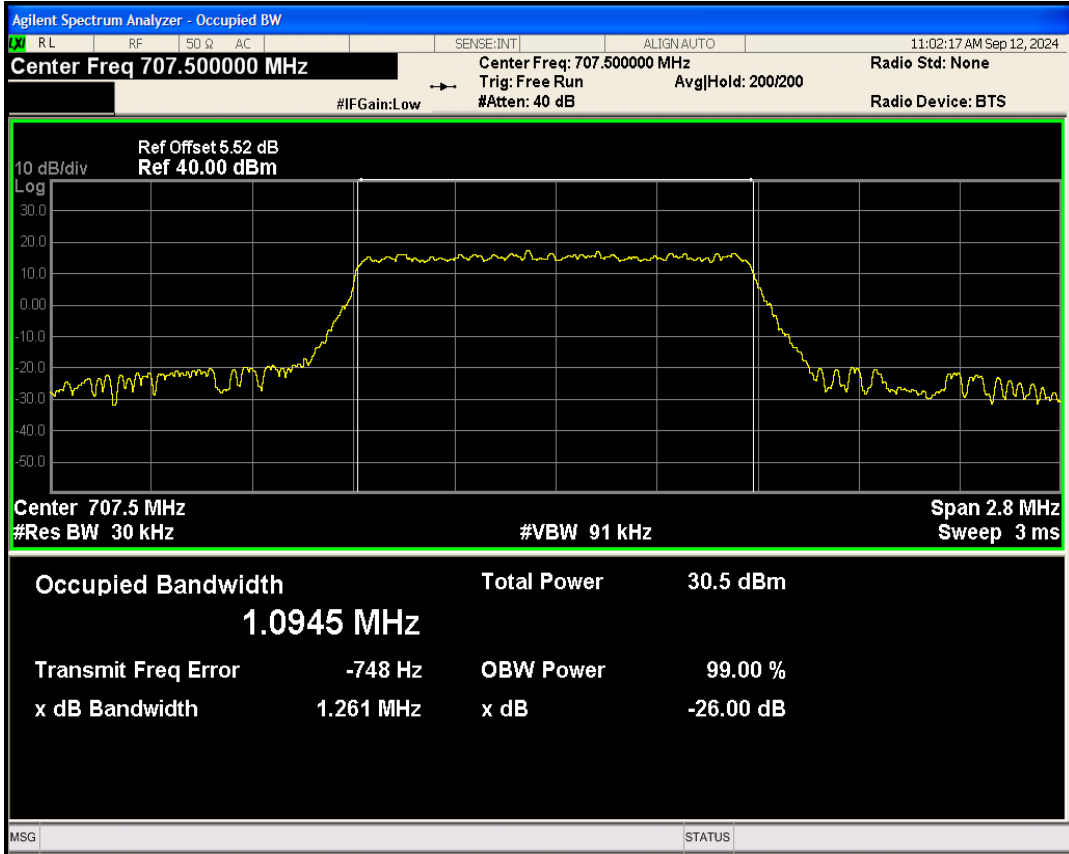
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



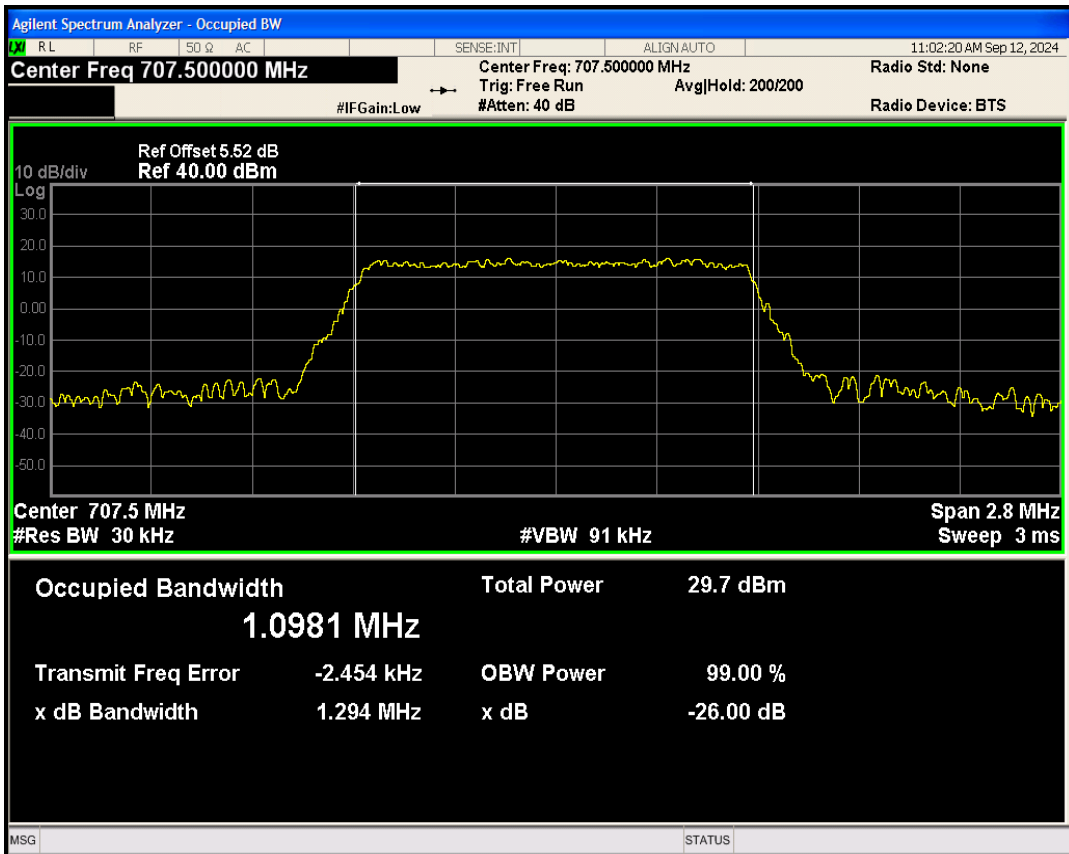
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



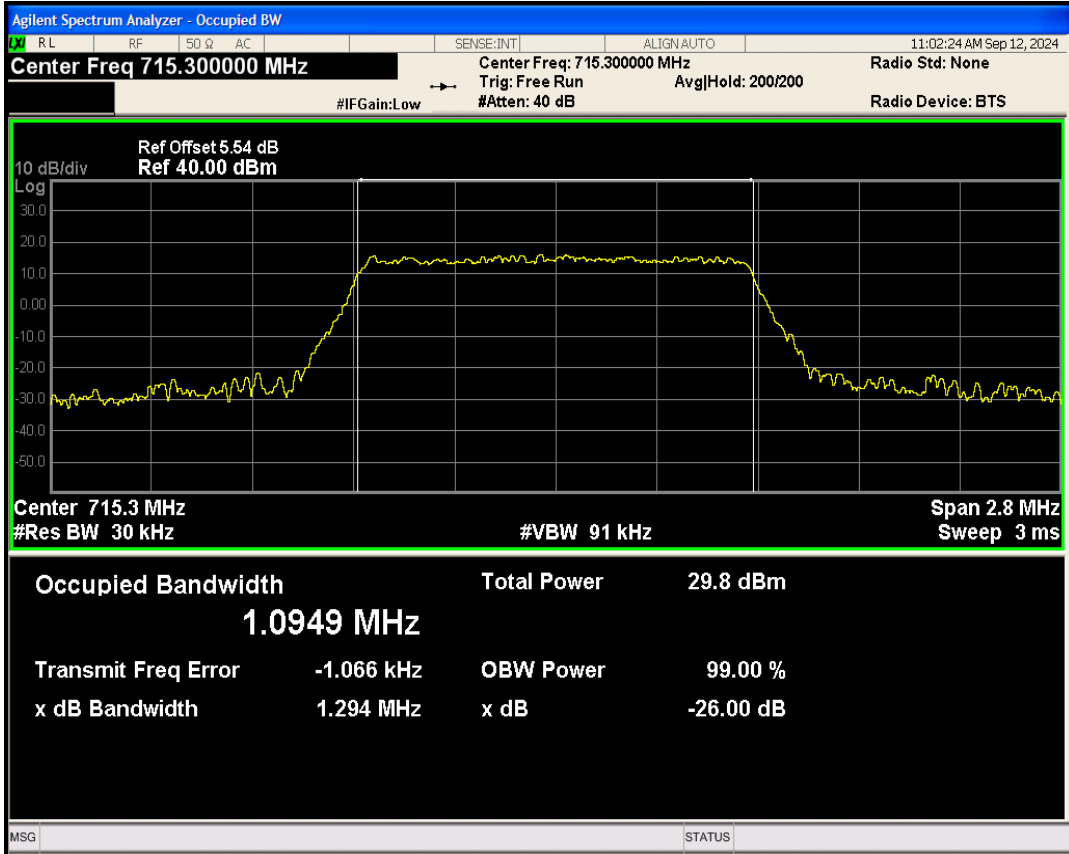
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



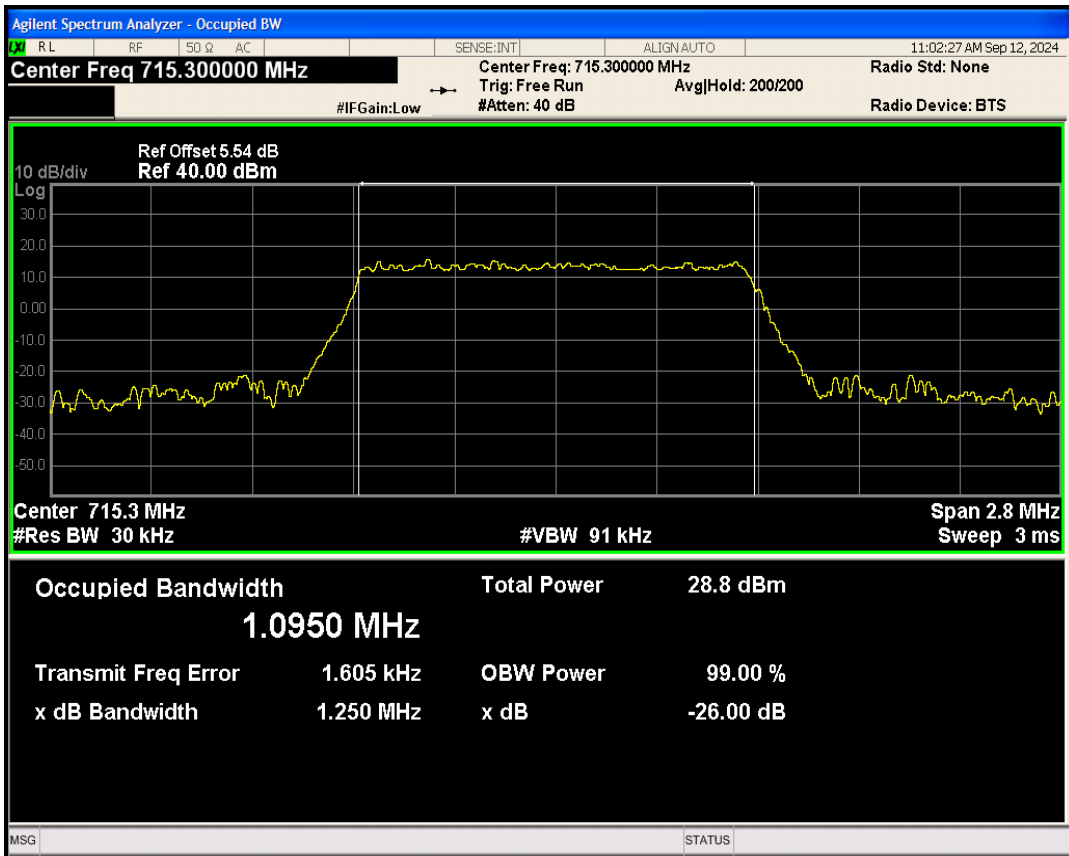
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



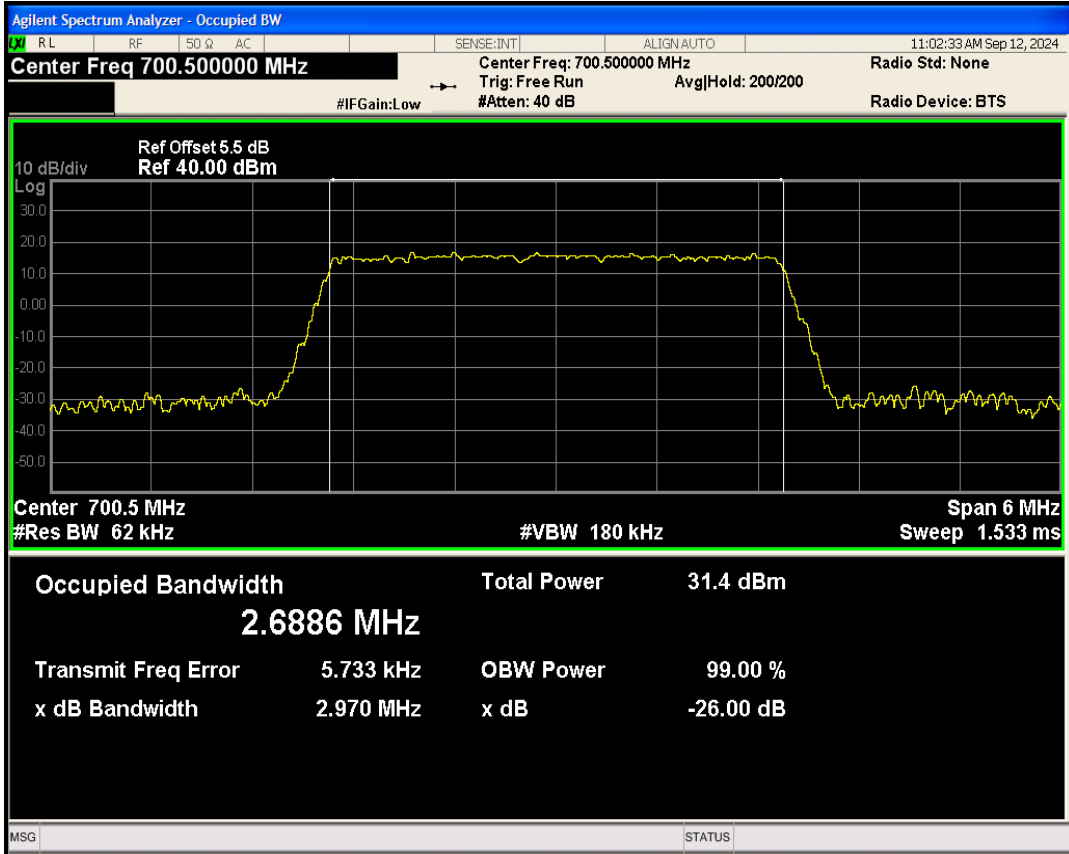
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



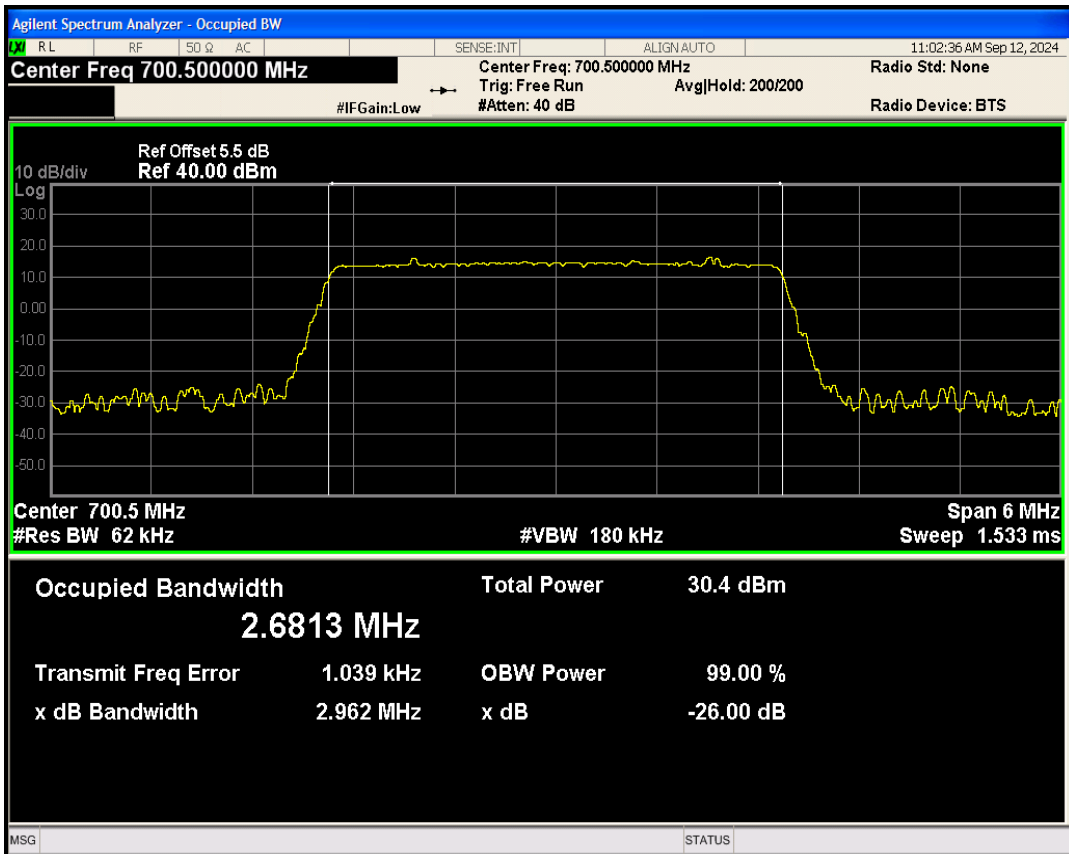
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



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

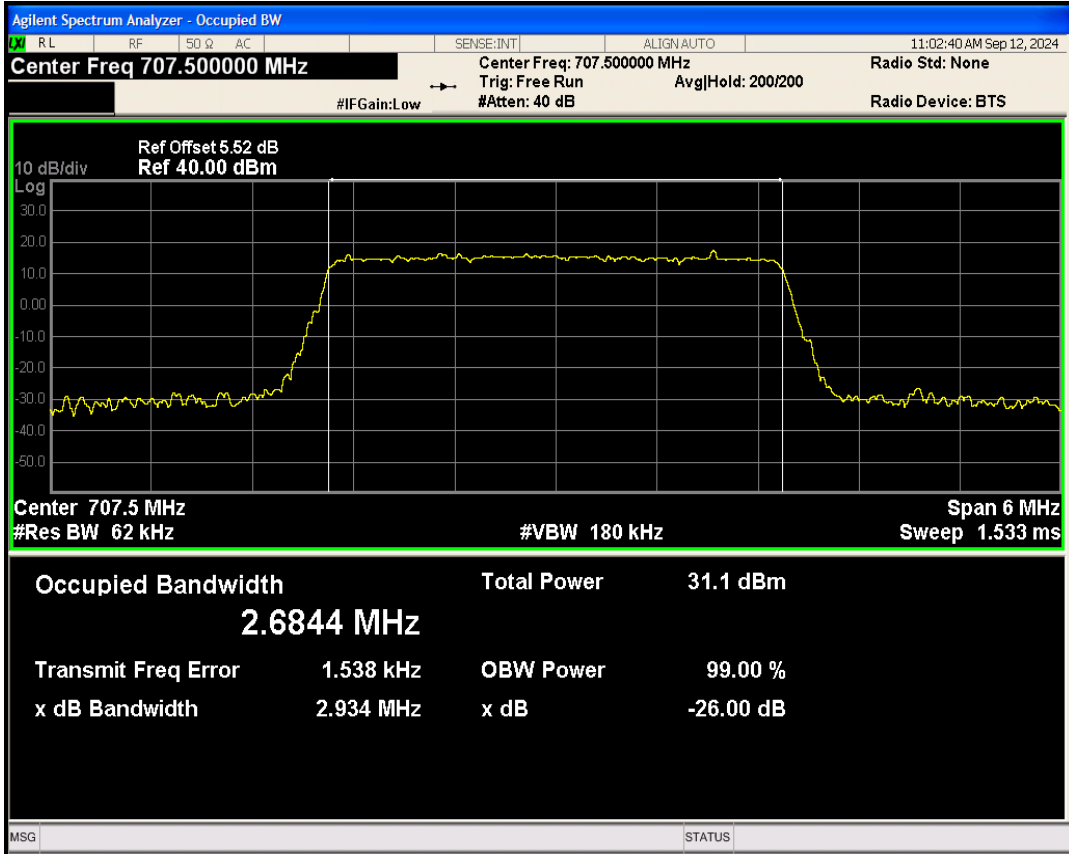


Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0

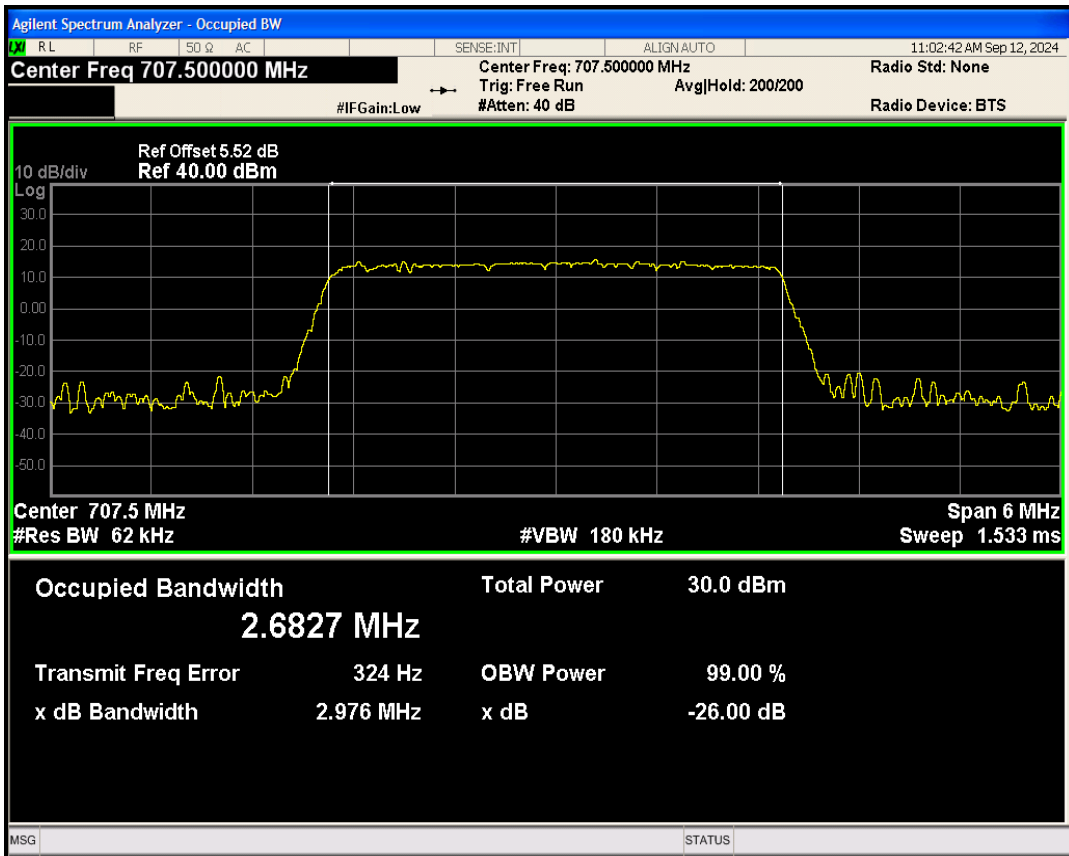


Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0

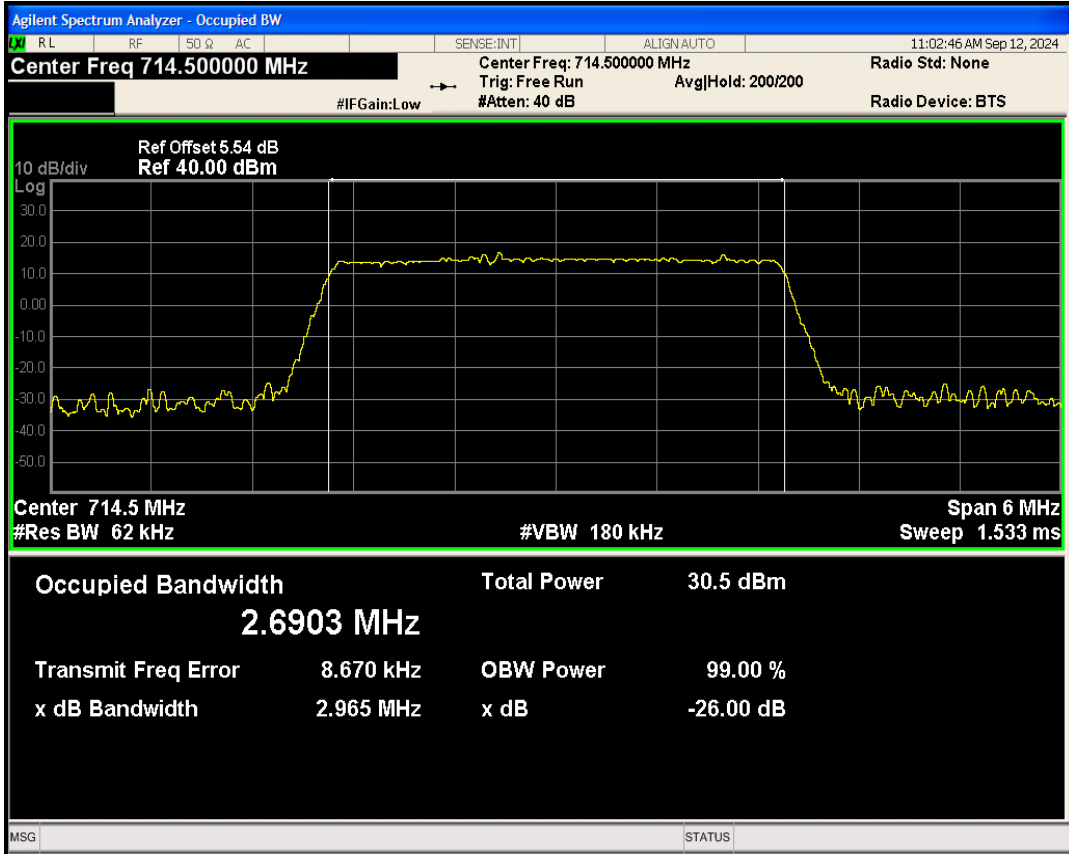




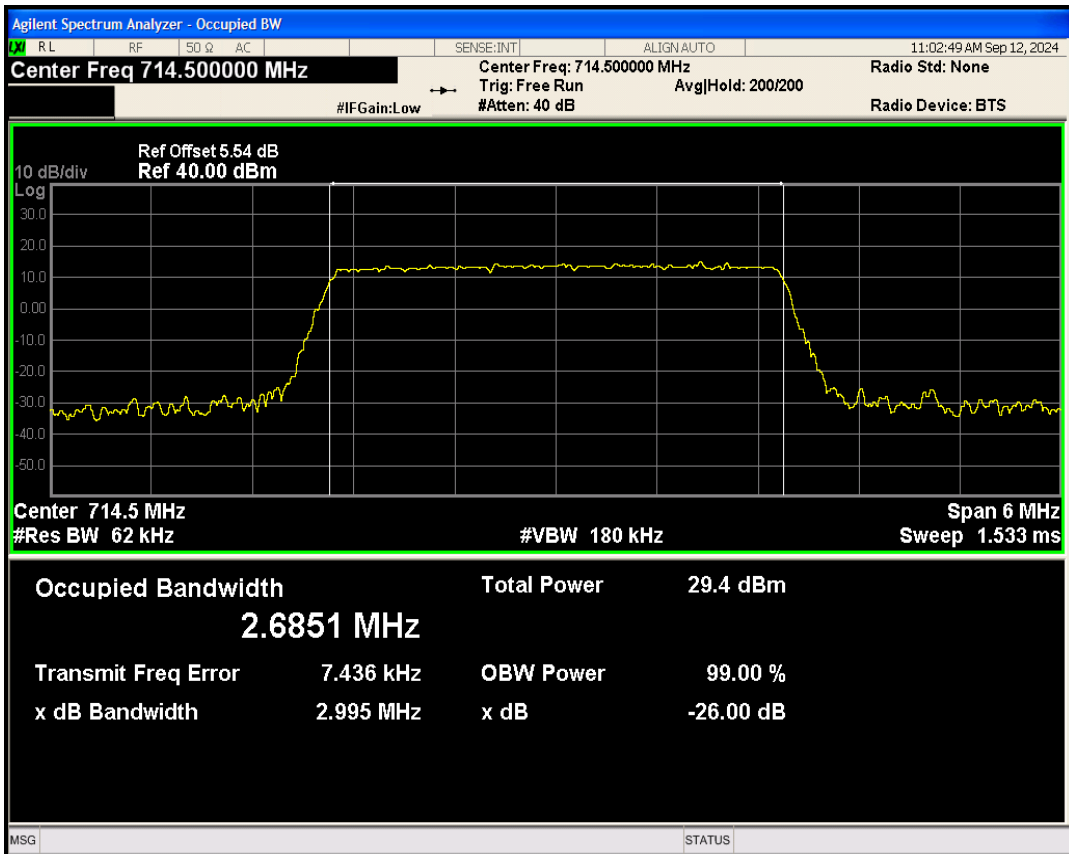
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



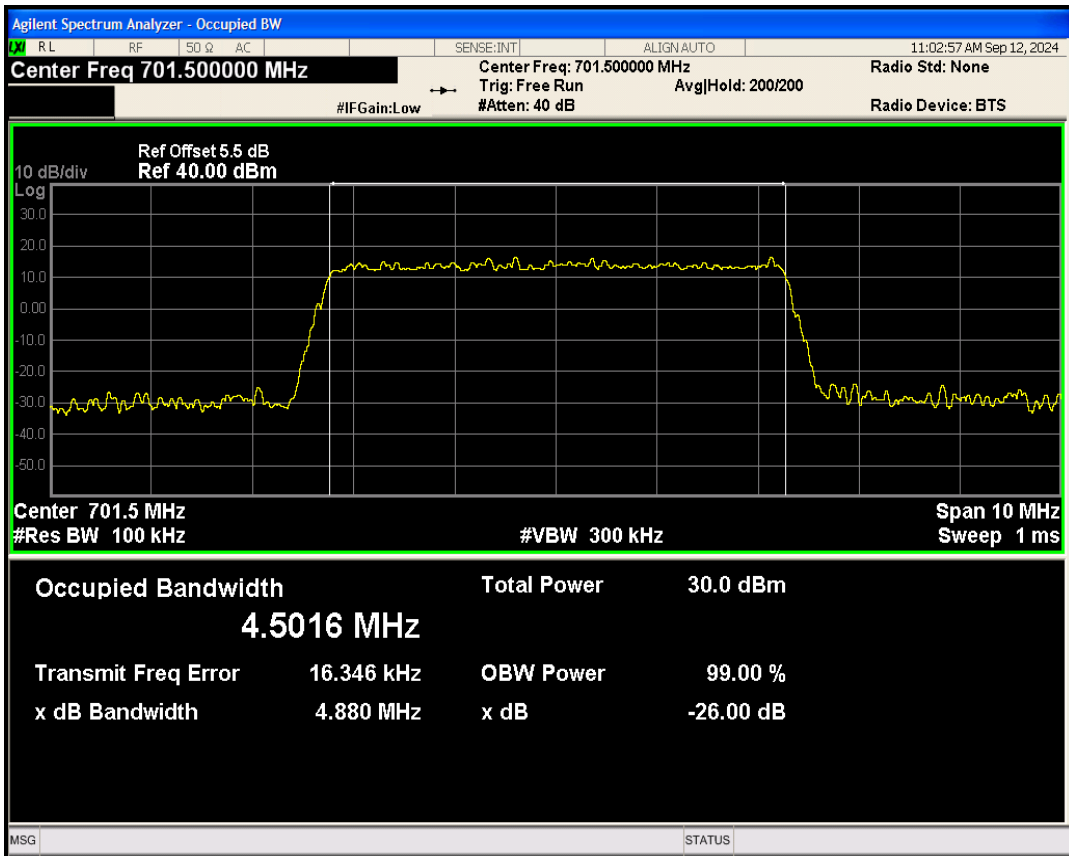
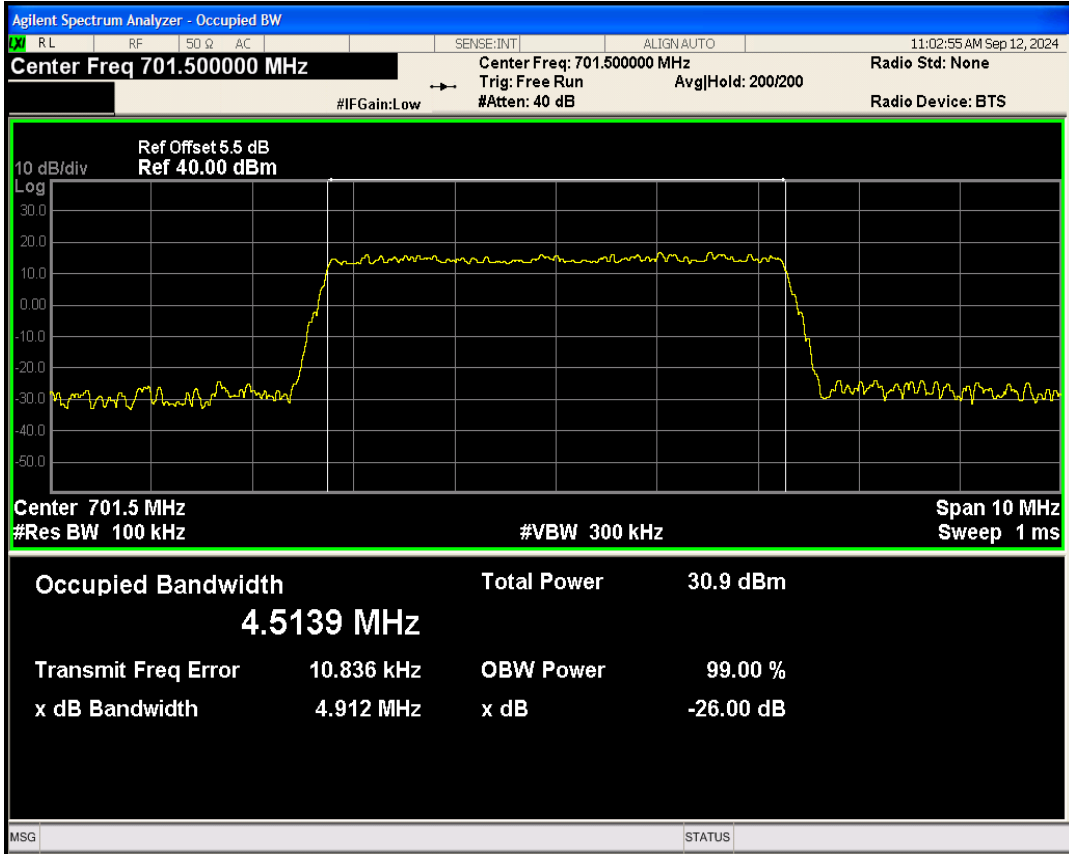
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0

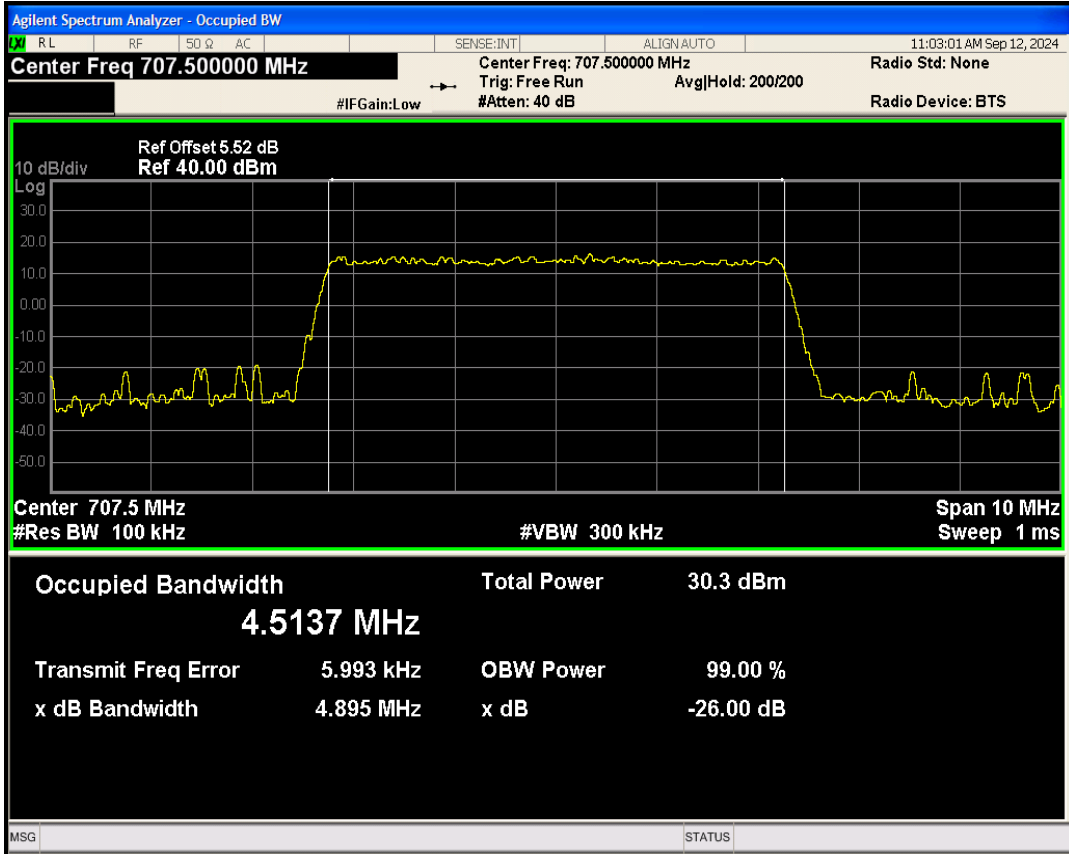


Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0

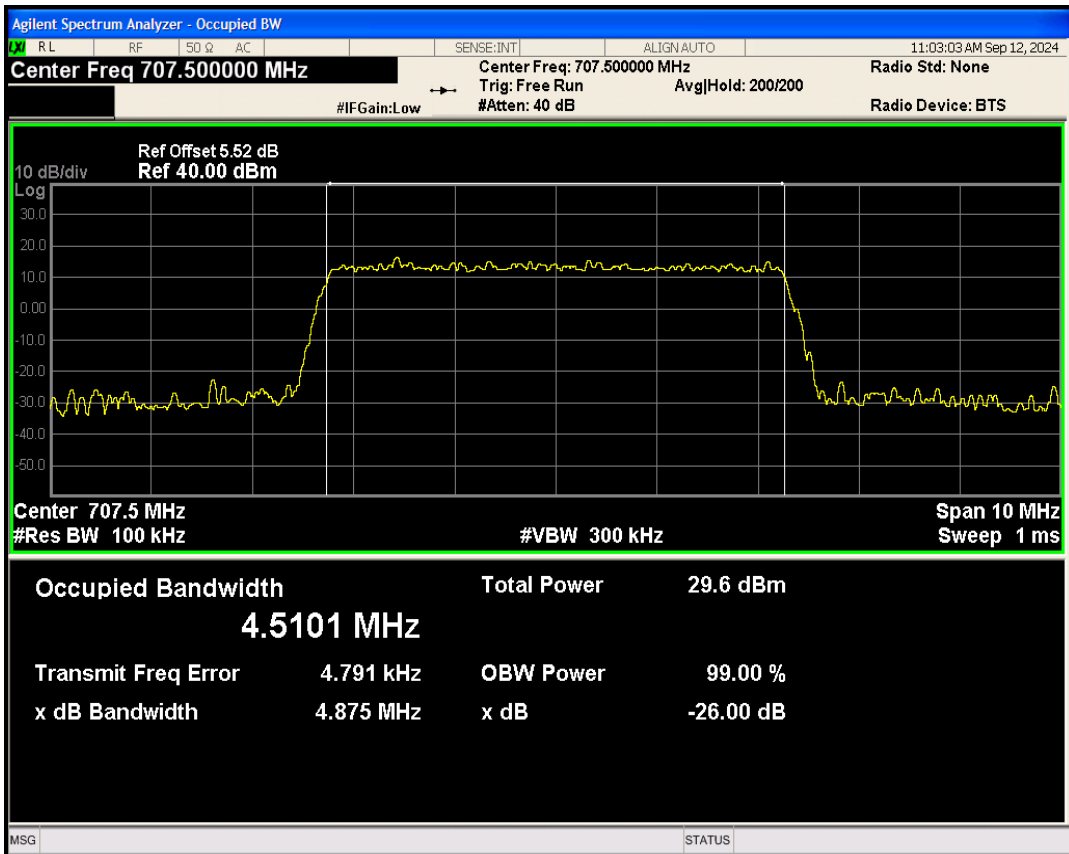


Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0

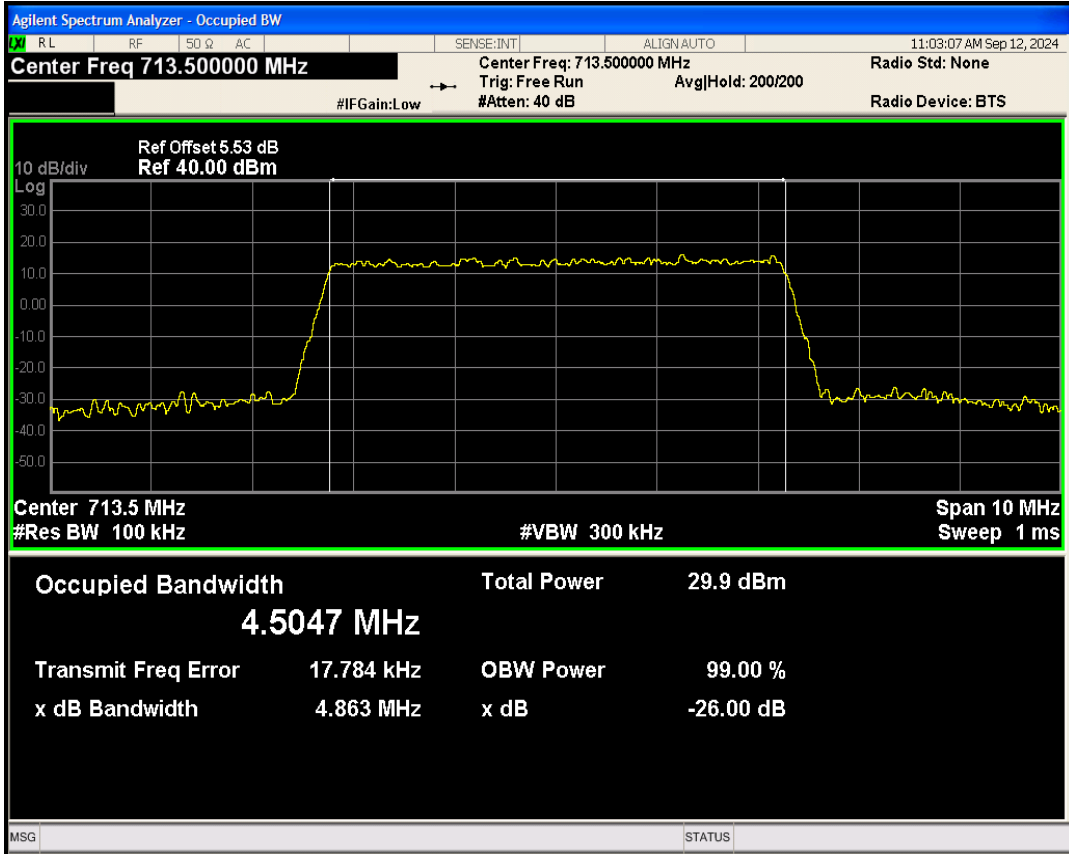




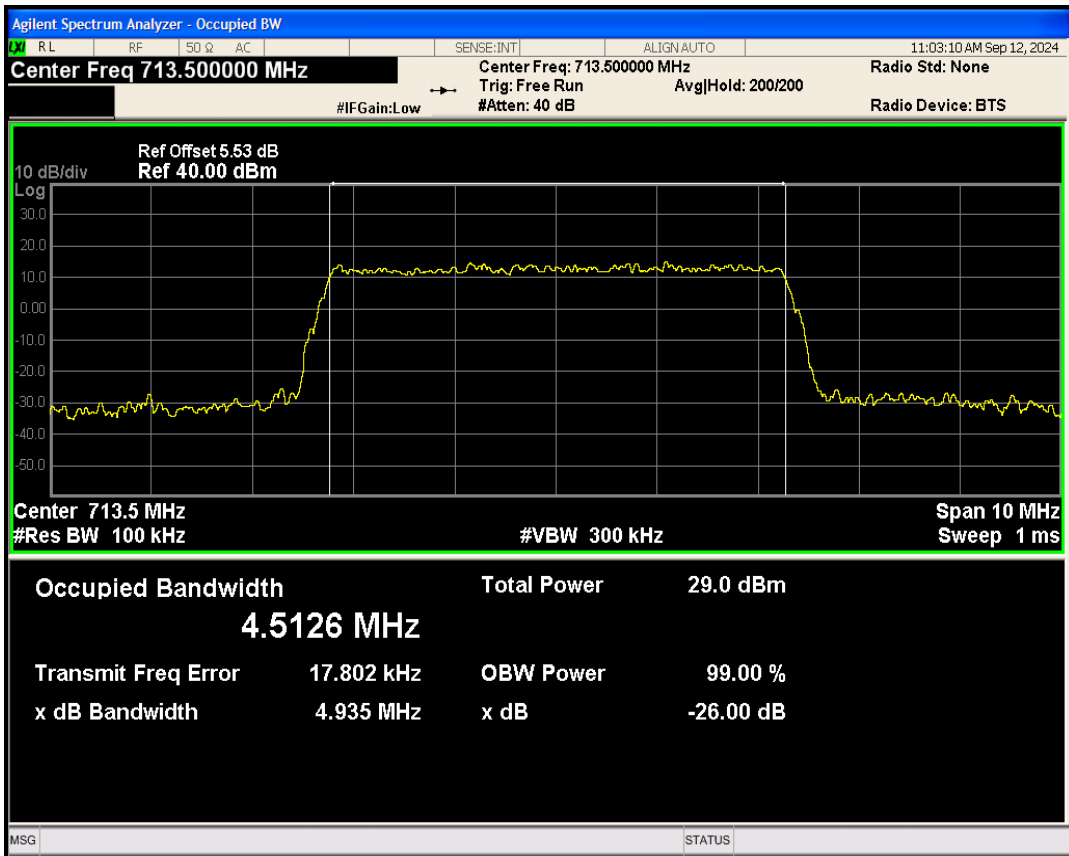
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



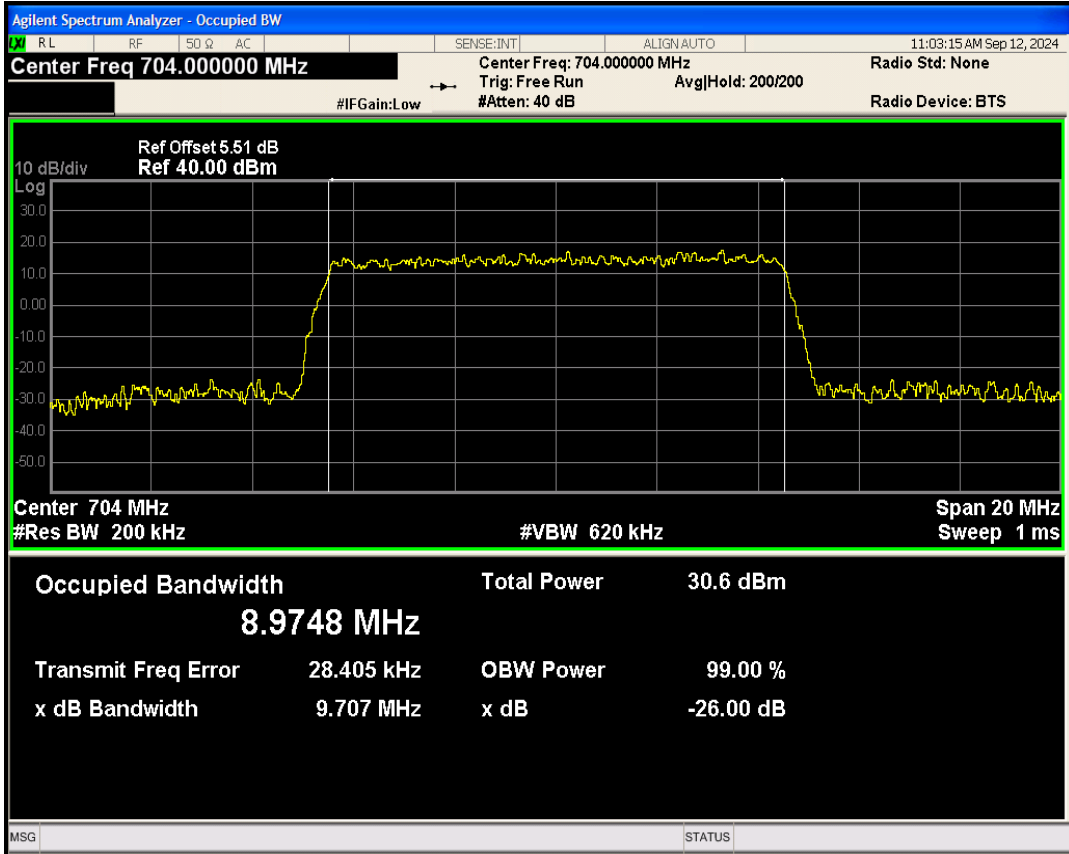
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



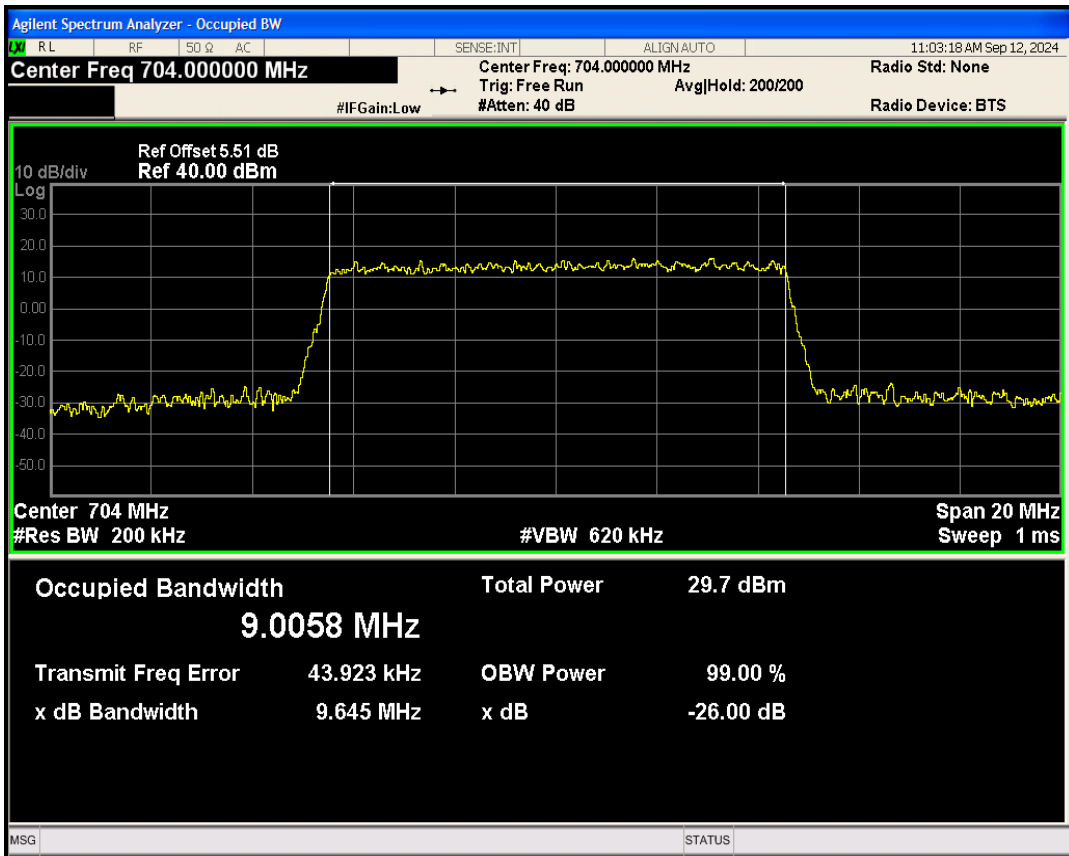
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



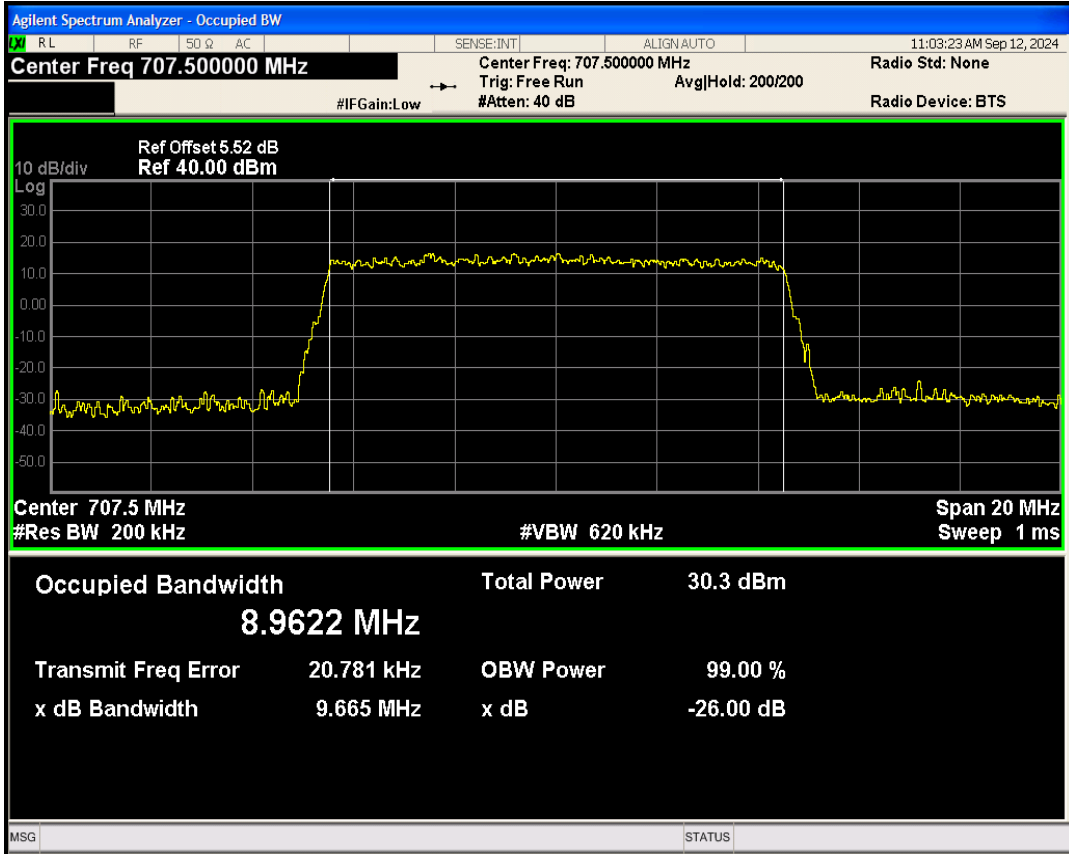
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



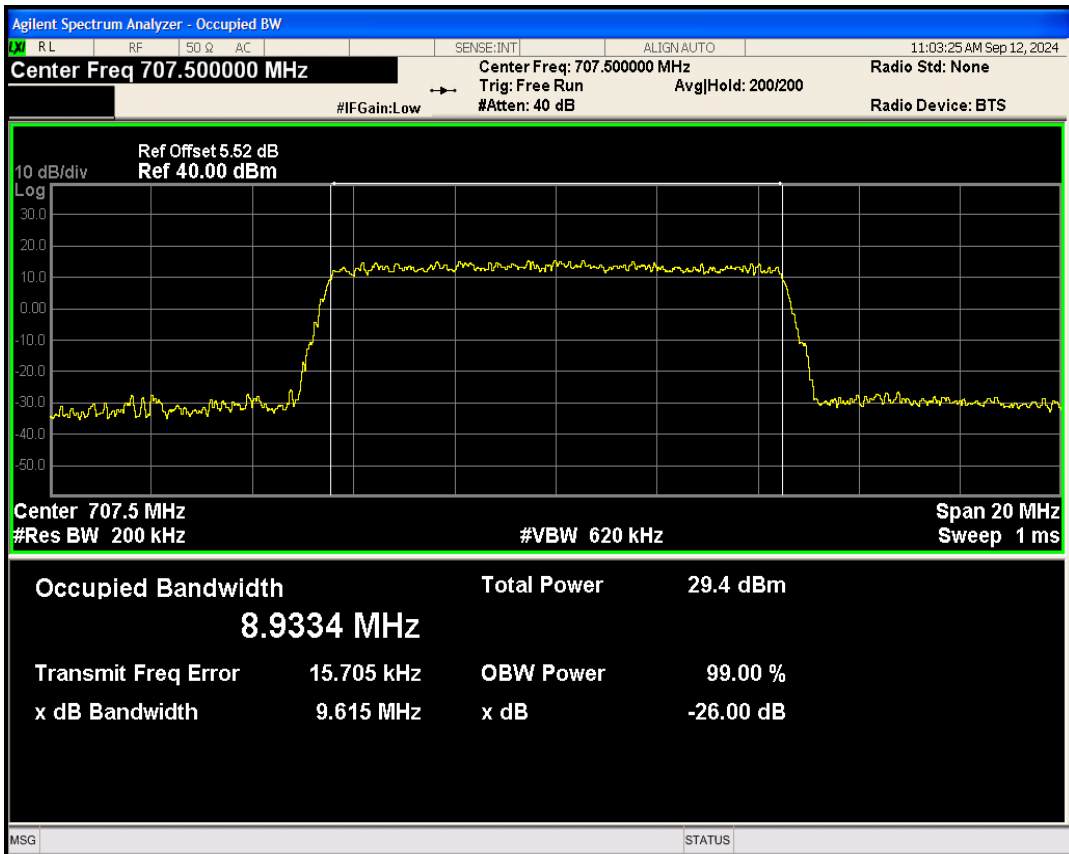
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



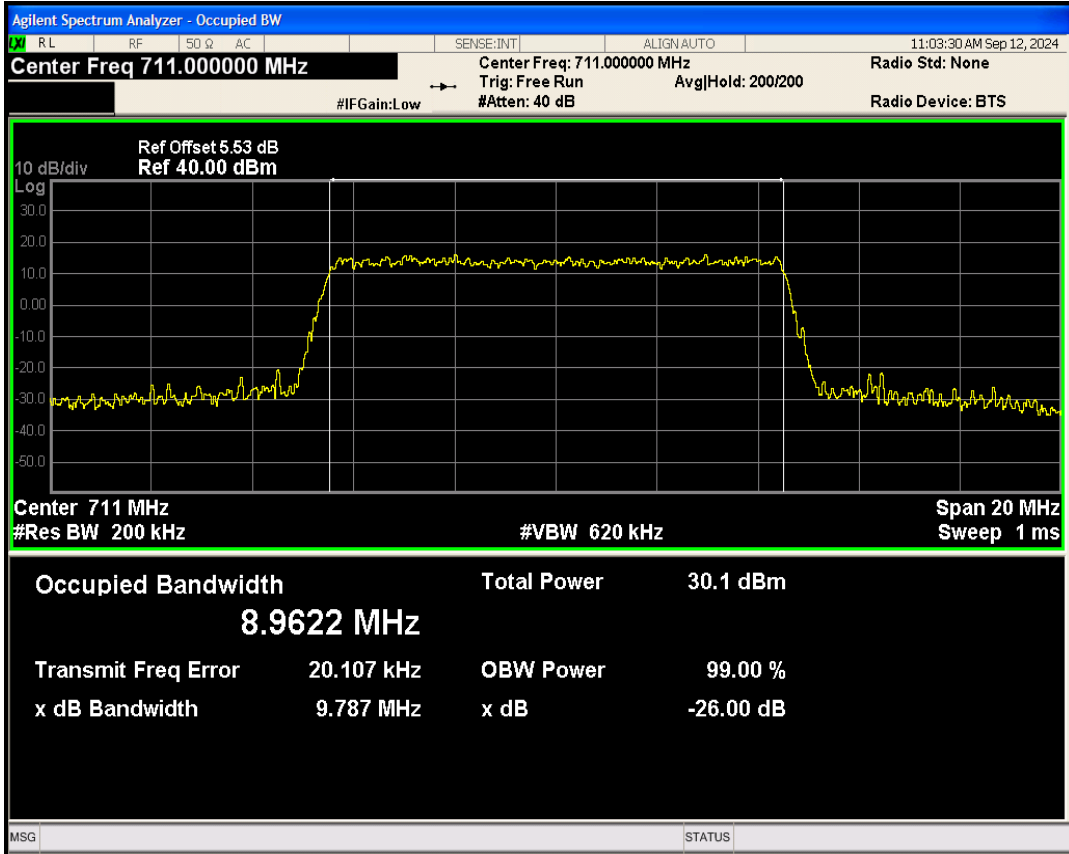
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



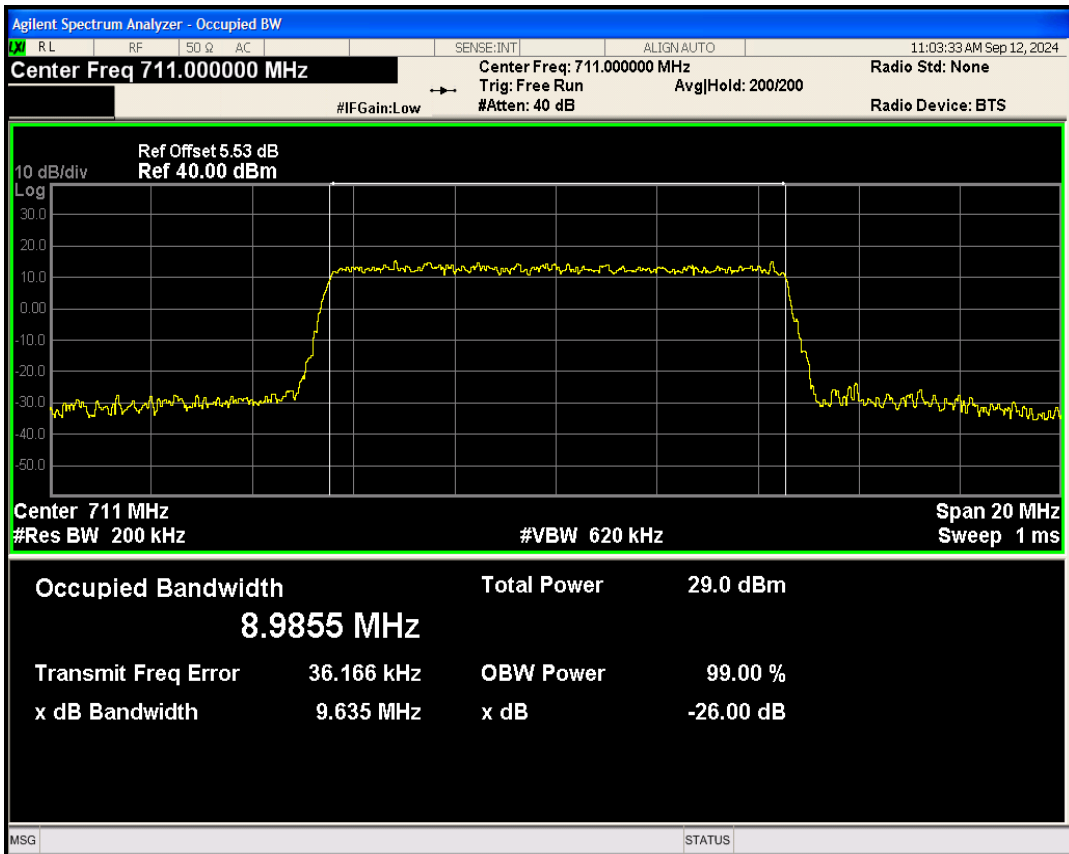
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



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



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

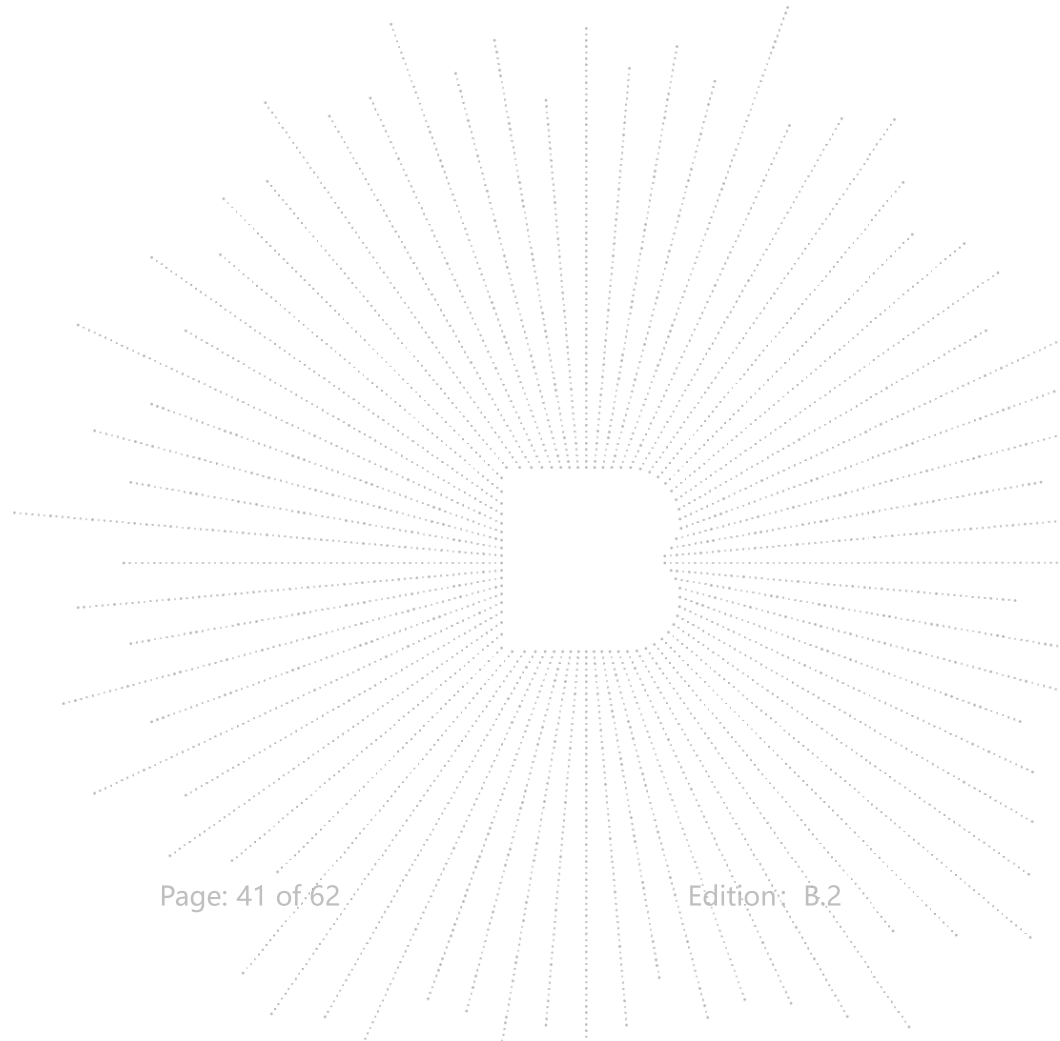


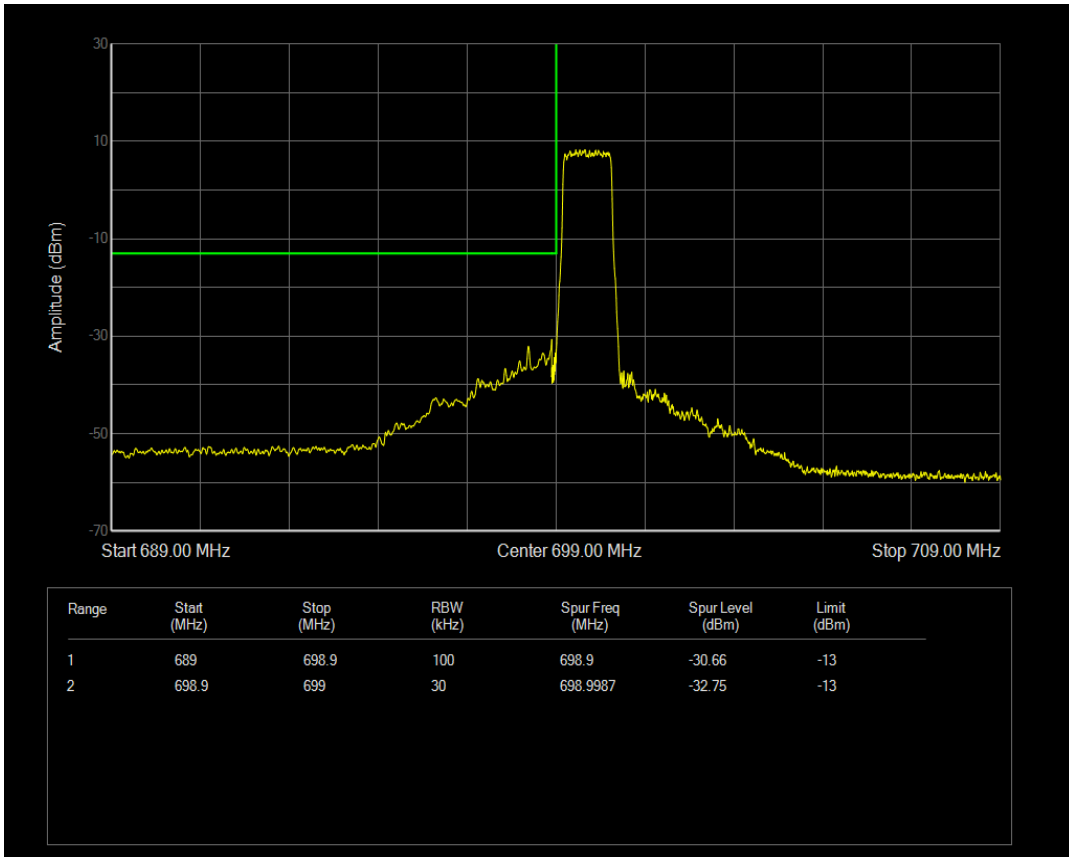


**Appendix 5. Band edge**

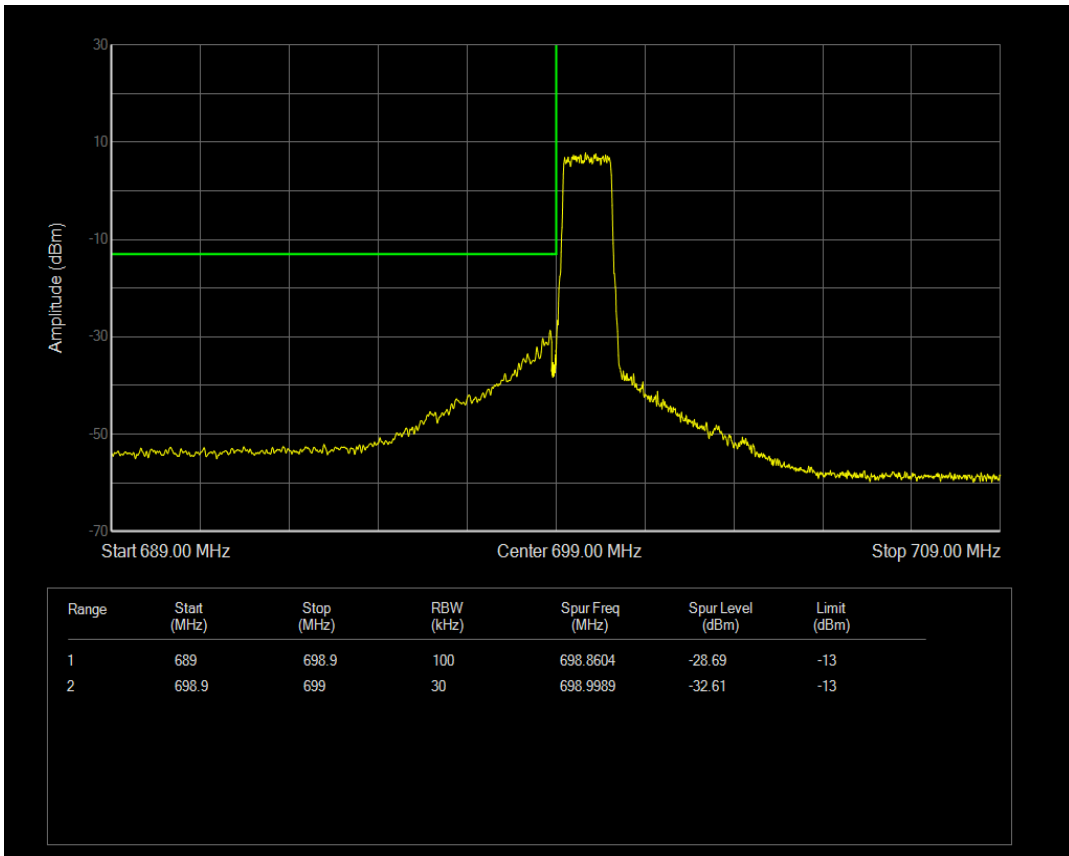
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	698.90	-30.66	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.86	-28.69	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.35	-29.90	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.55	-32.45	-13	PASS
Band12	3	23025	15	#0	QPSK	698.99	-28.27	-13	PASS
Band12	3	23025	15	#0	16QAM	699.00	-30.14	-13	PASS
Band12	3	23165	15	#0	QPSK	716.00	-30.05	-13	PASS
Band12	3	23165	15	#0	16QAM	716.00	-29.98	-13	PASS
Band12	5	23035	25	#0	QPSK	698.54	-37.14	-13	PASS
Band12	5	23035	25	#0	16QAM	698.47	-37.47	-13	PASS
Band12	5	23155	25	#0	QPSK	717.37	-35.58	-13	PASS
Band12	5	23155	25	#0	16QAM	716.11	-37.19	-13	PASS
Band12	10	23060	50	#0	QPSK	698.86	-39.12	-13	PASS
Band12	10	23060	50	#0	16QAM	698.90	-40.44	-13	PASS
Band12	10	23130	50	#0	QPSK	716.11	-39.58	-13	PASS
Band12	10	23130	50	#0	16QAM	716.30	-40.06	-13	PASS

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

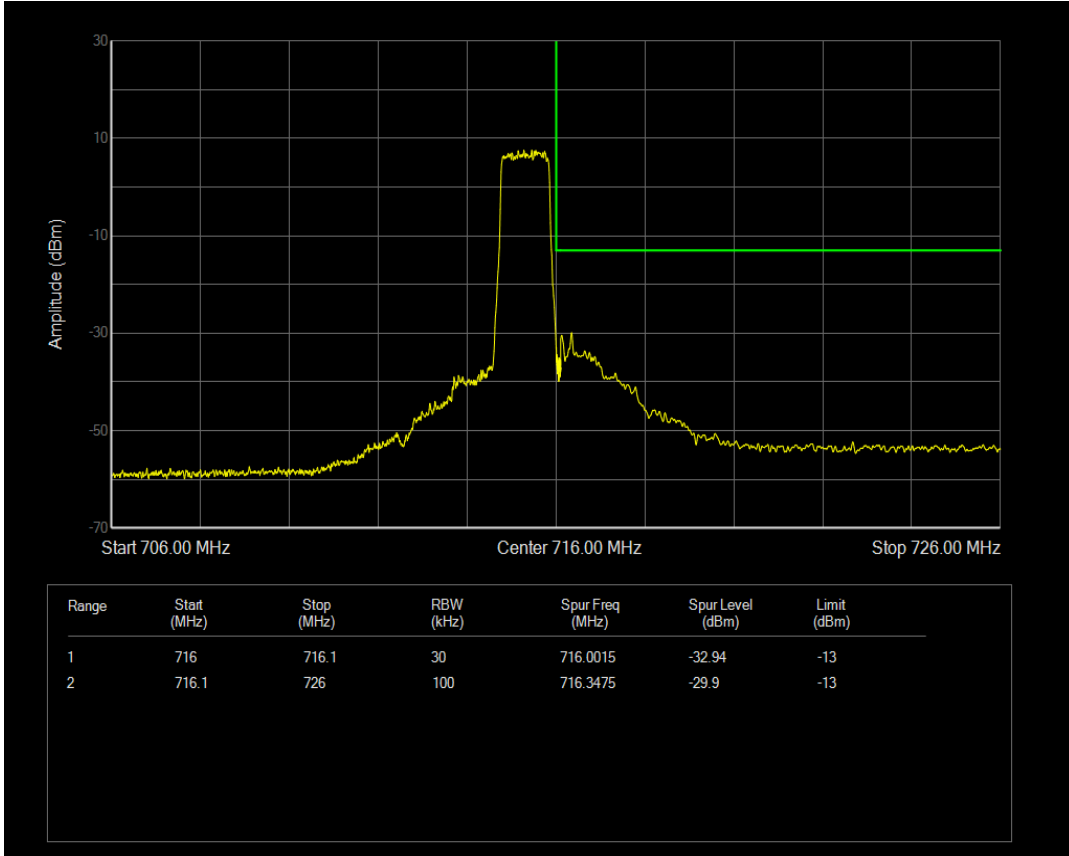




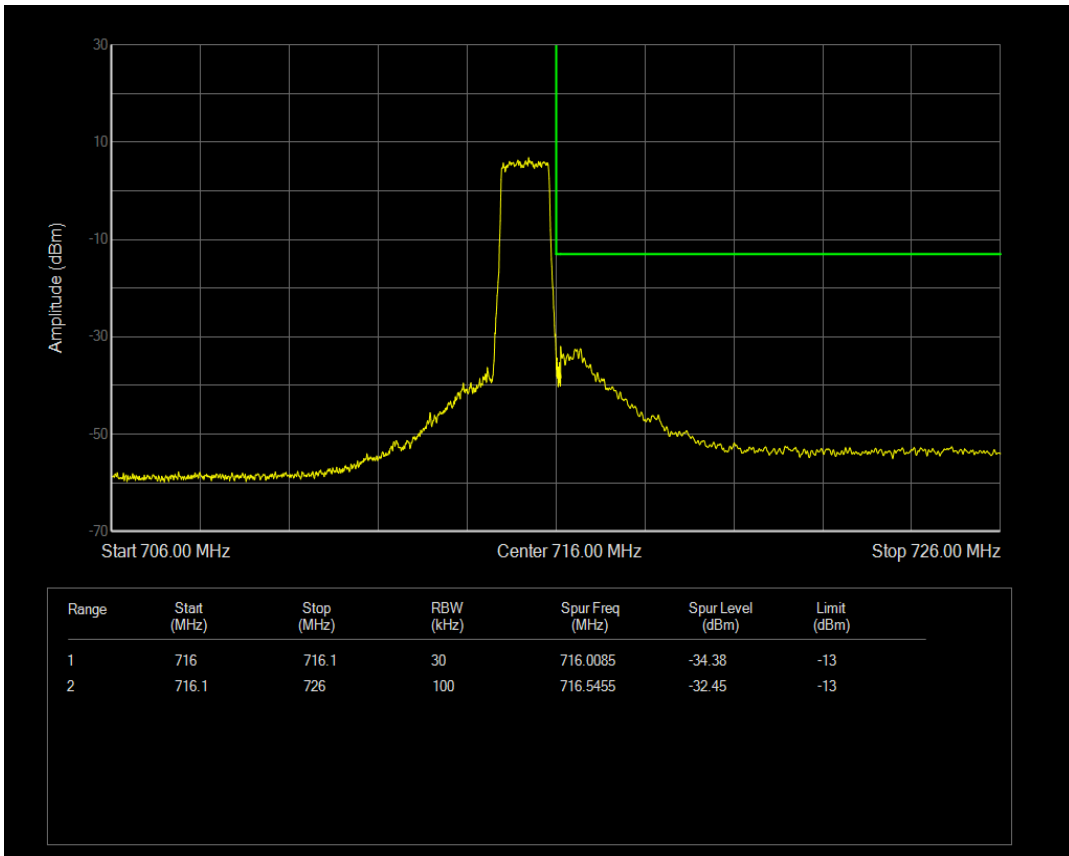
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



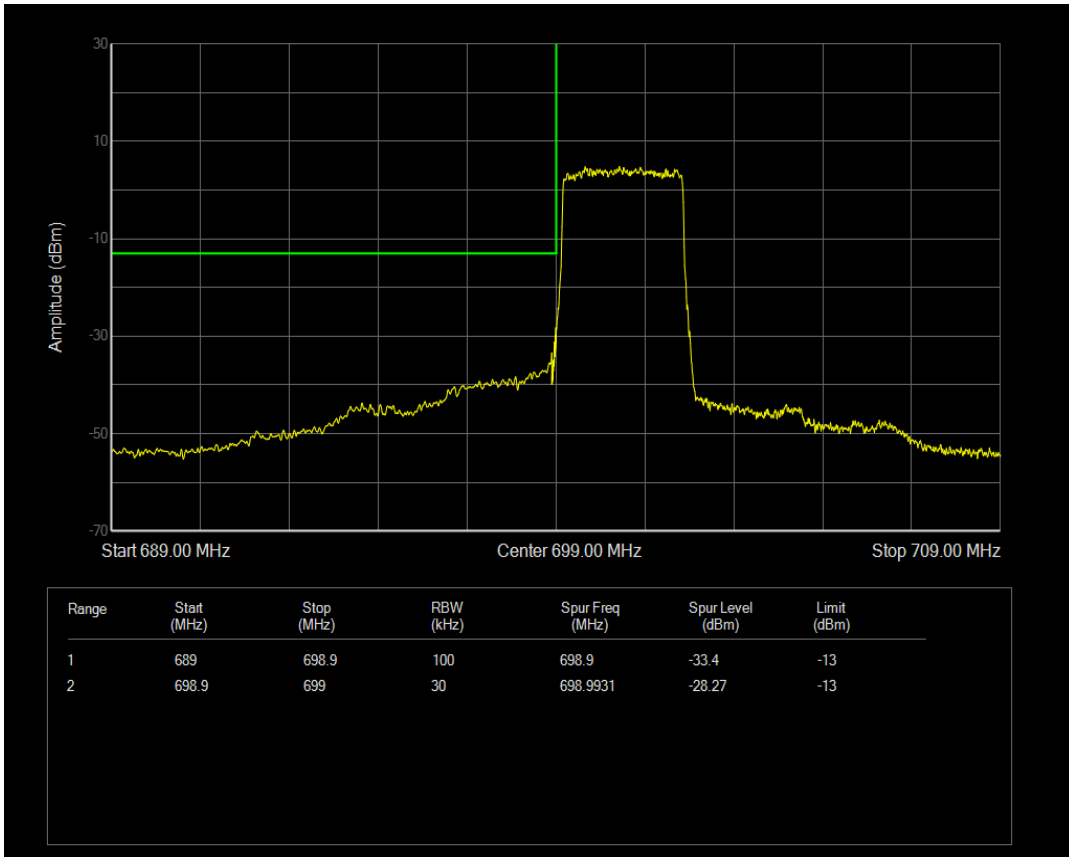
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



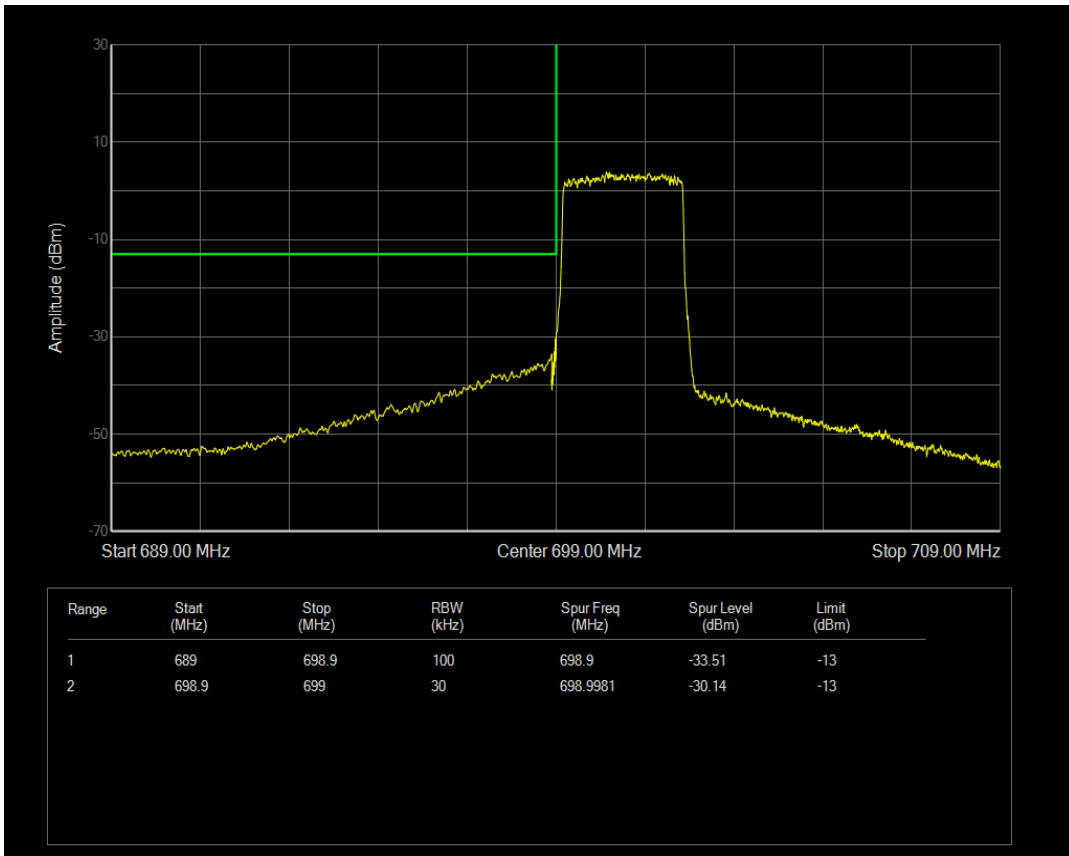
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



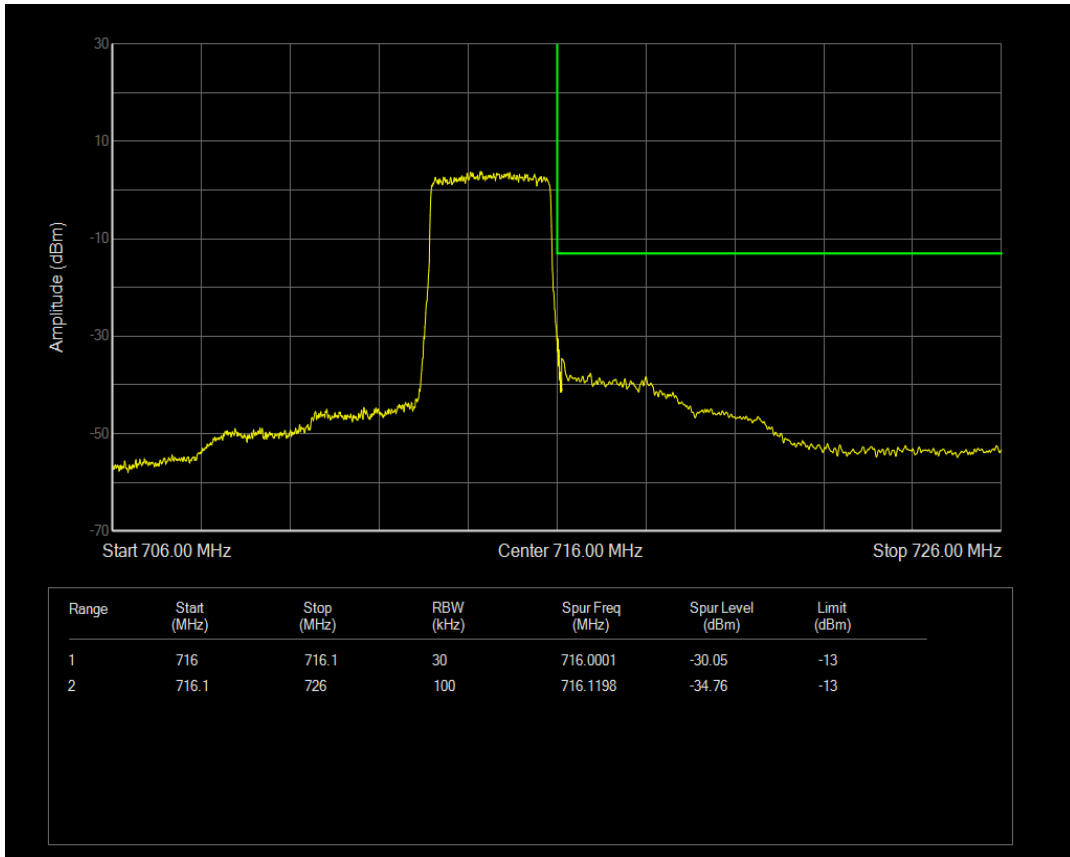
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



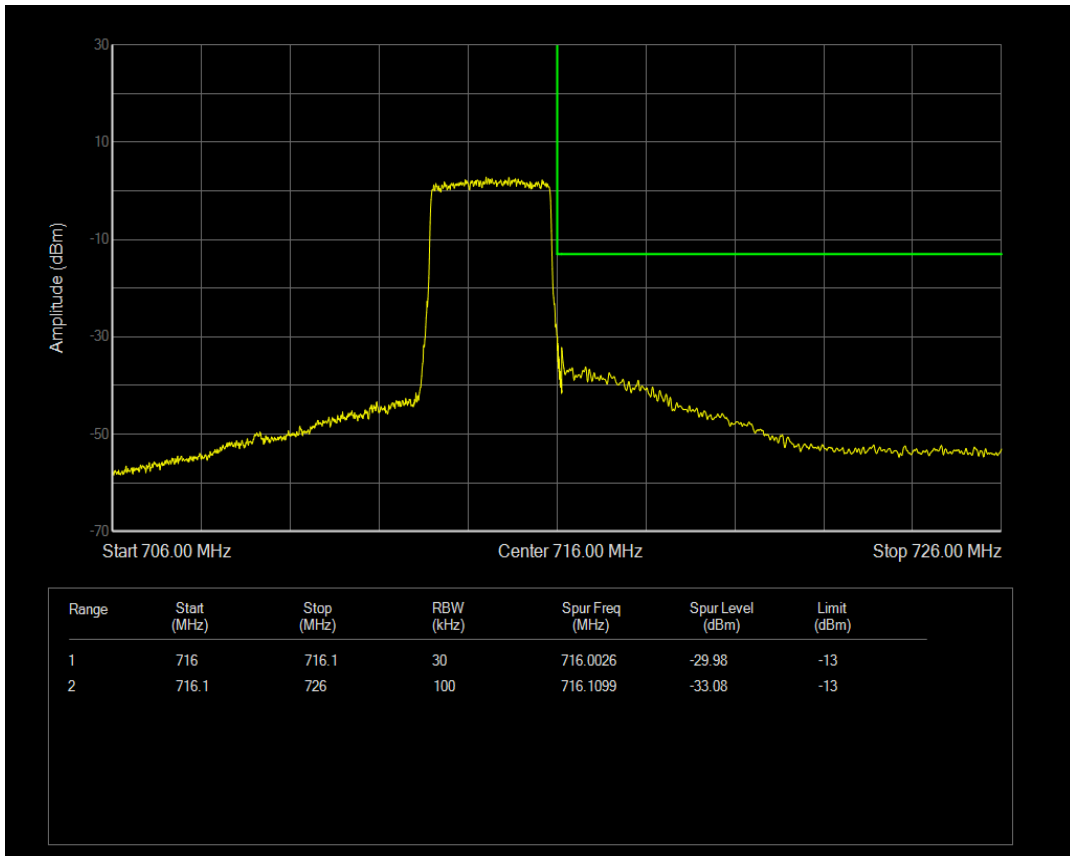
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



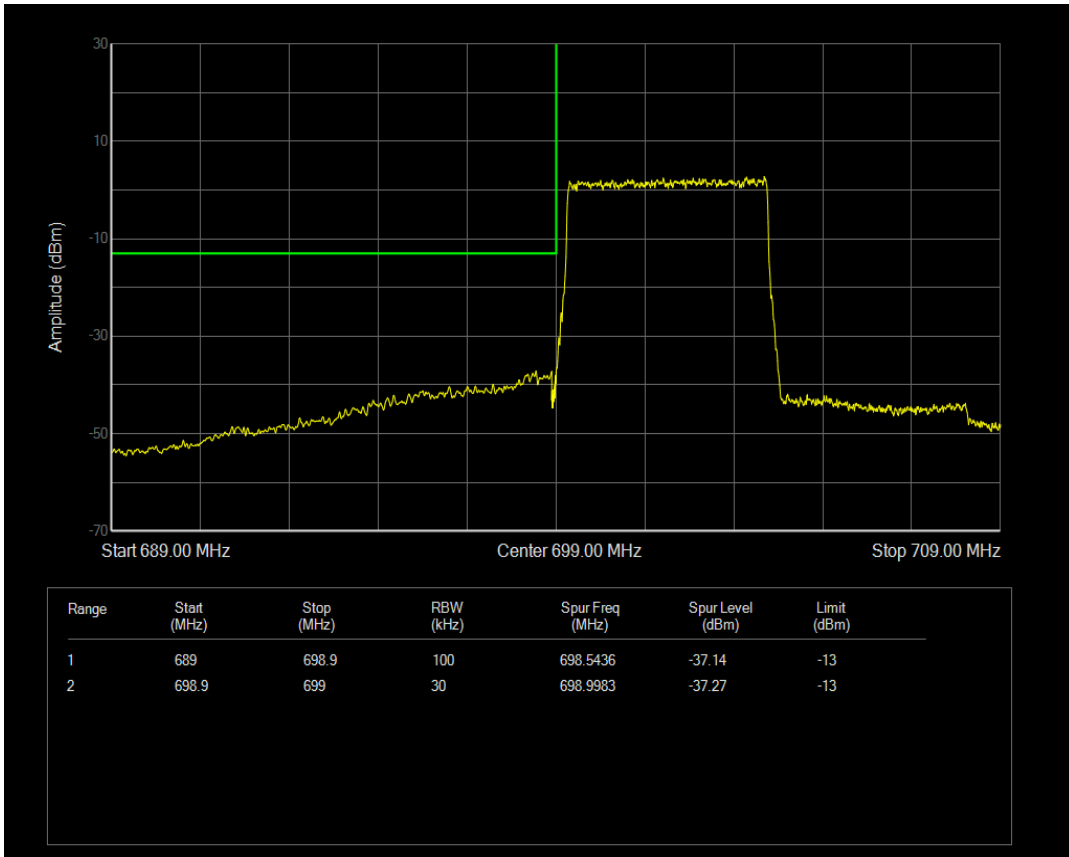
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



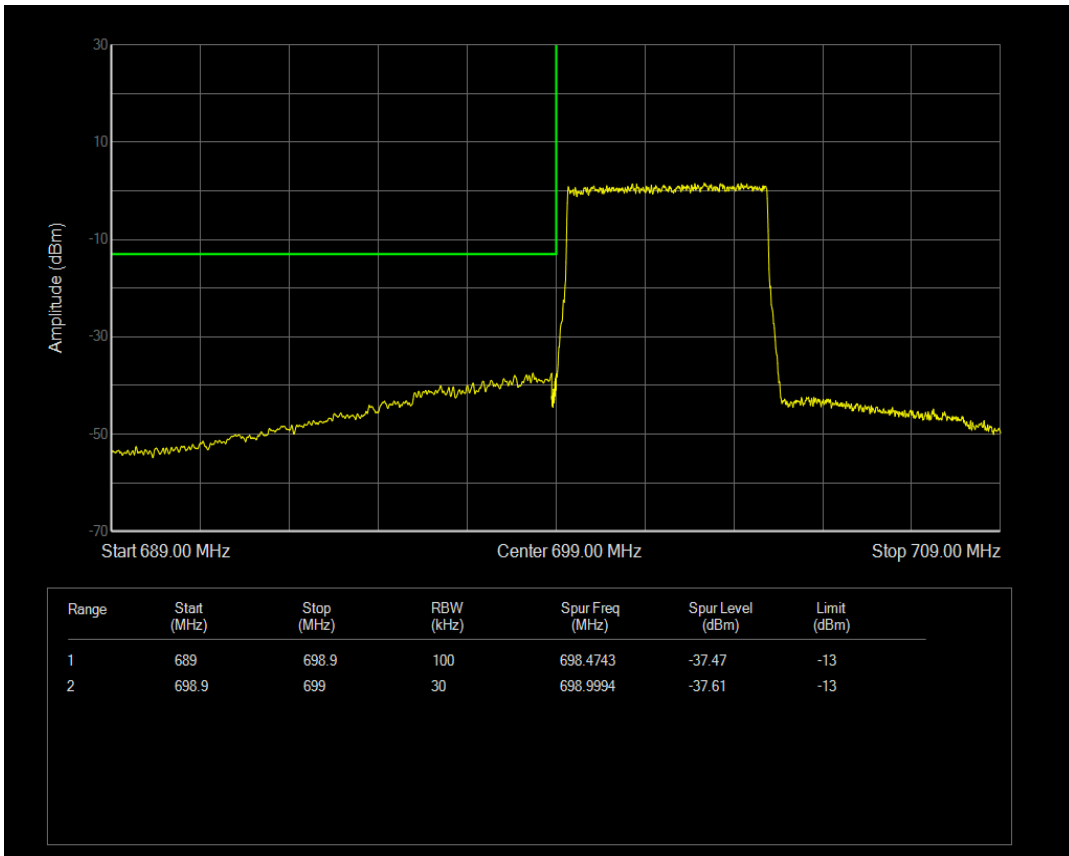
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



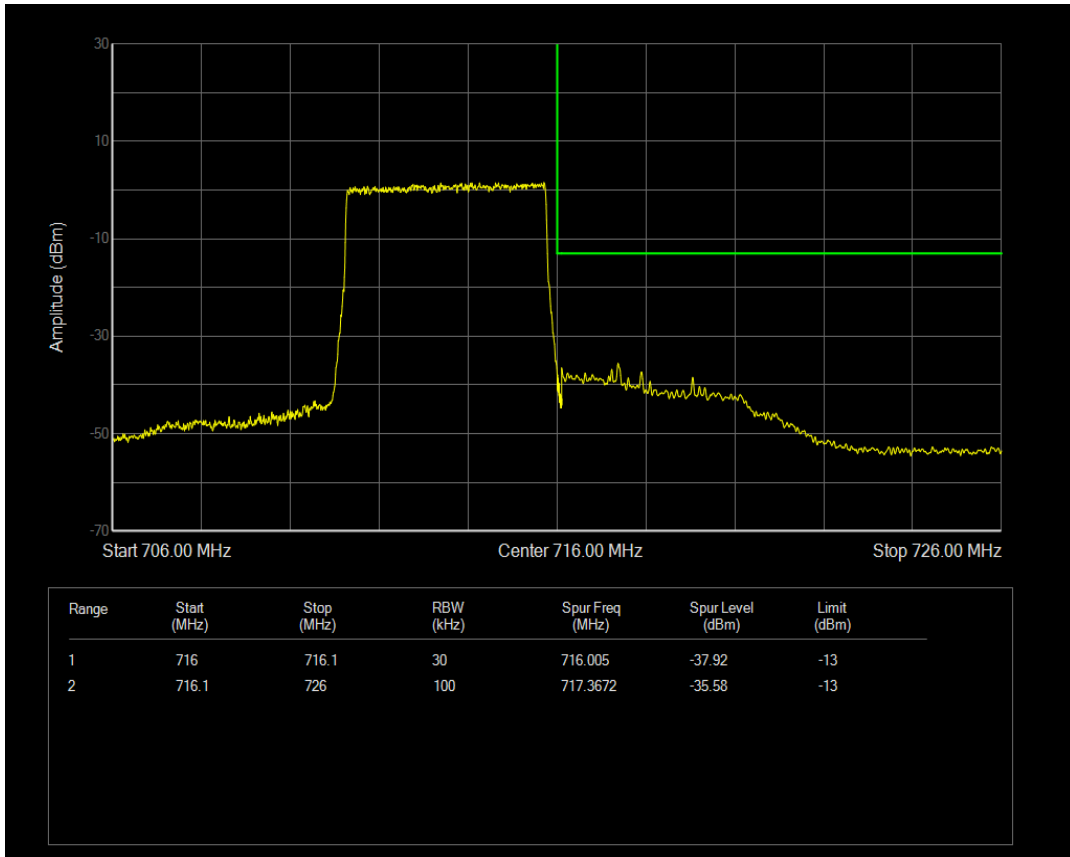
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



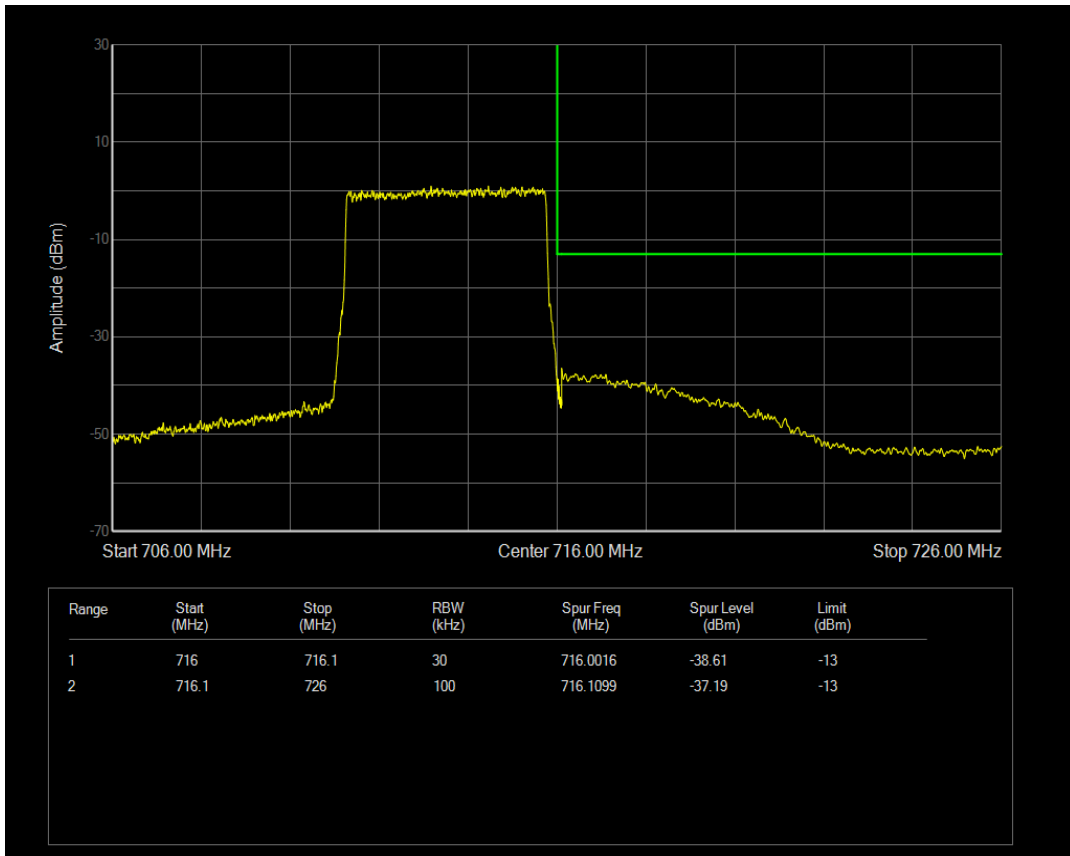
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



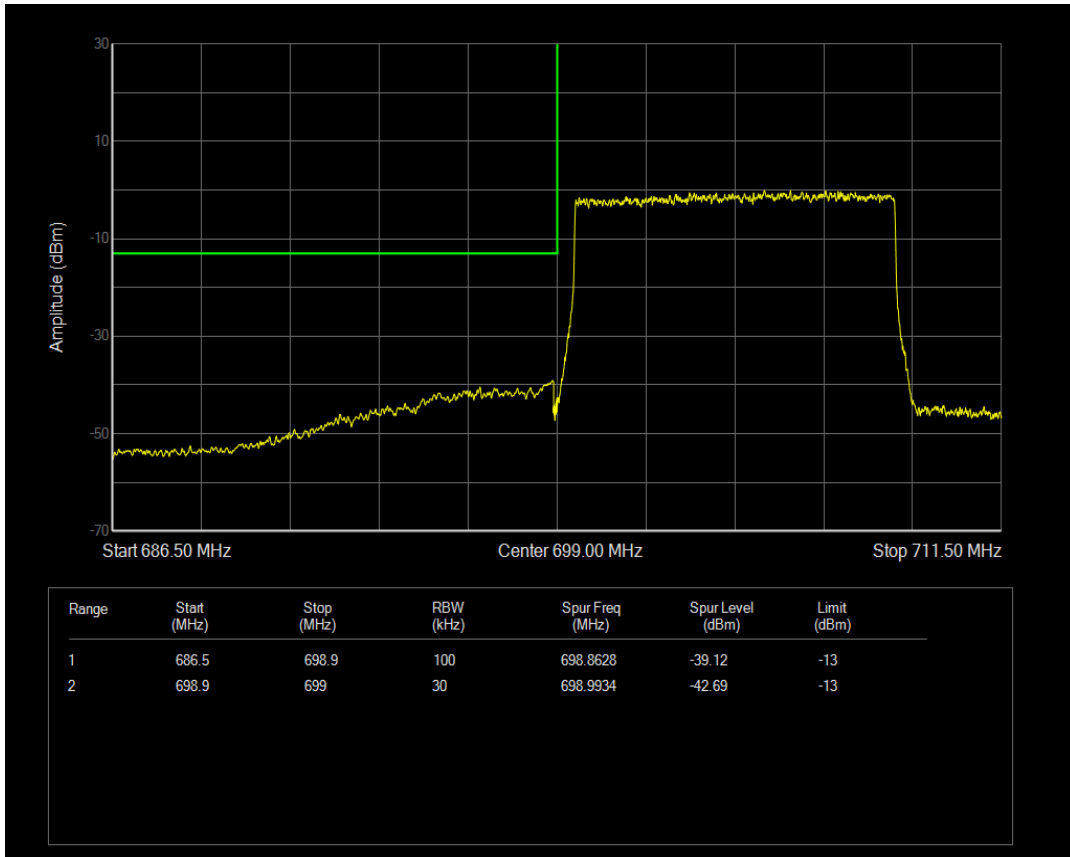
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



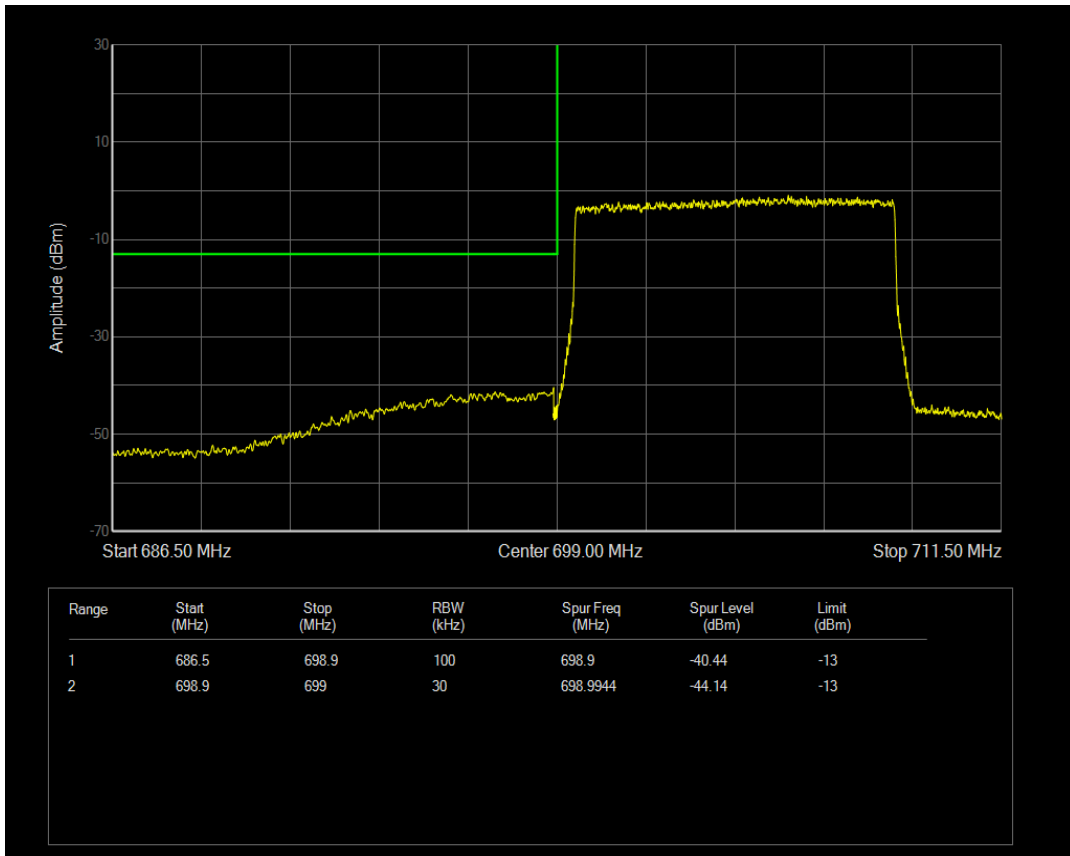
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



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

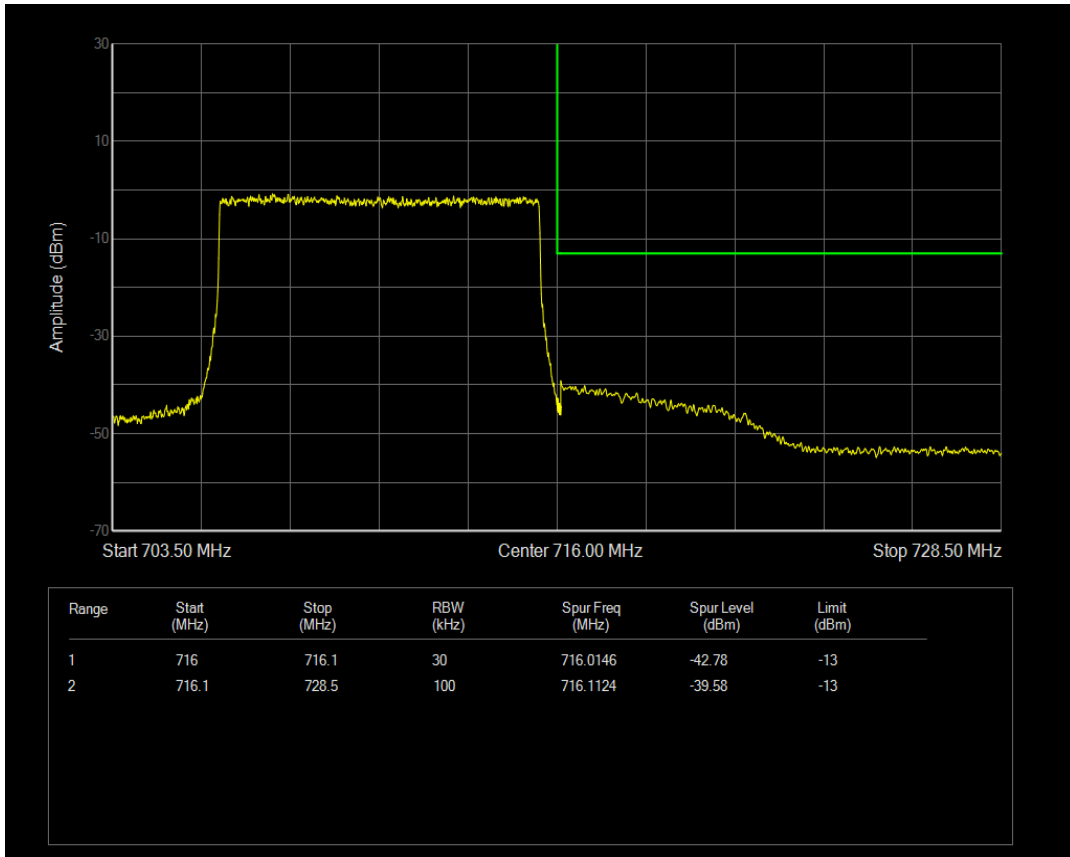


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0

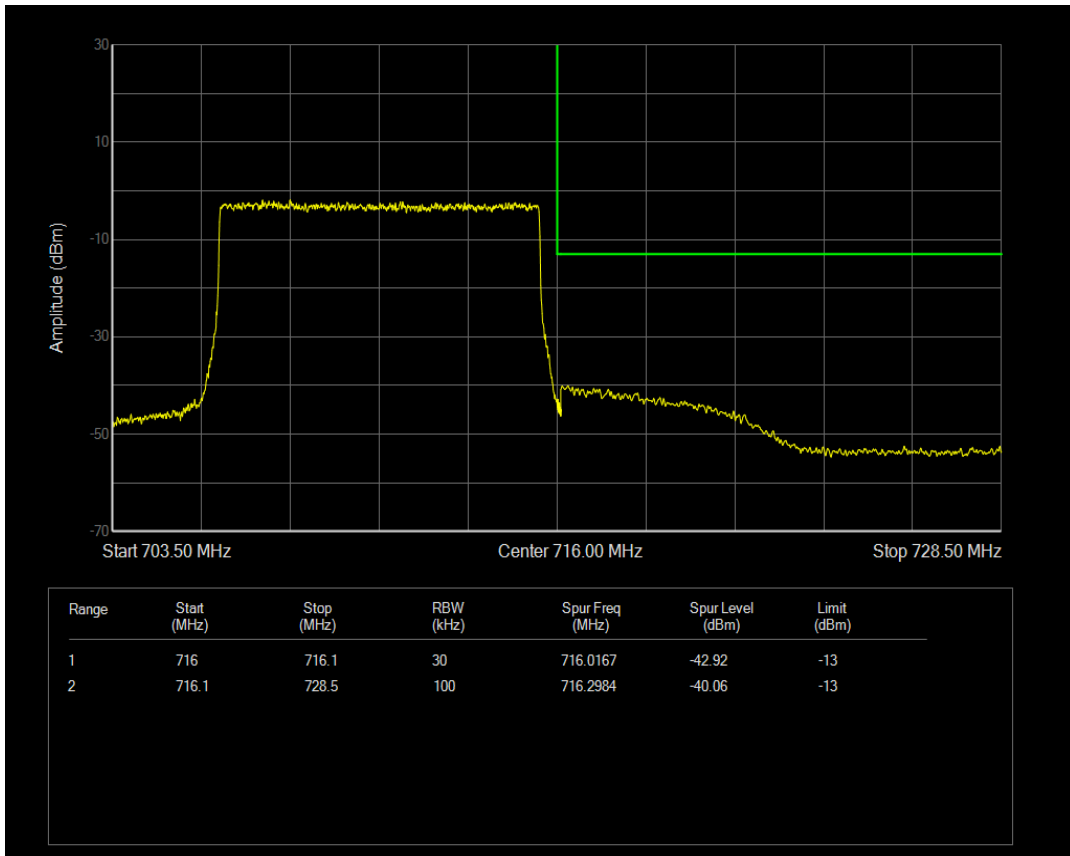


Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0





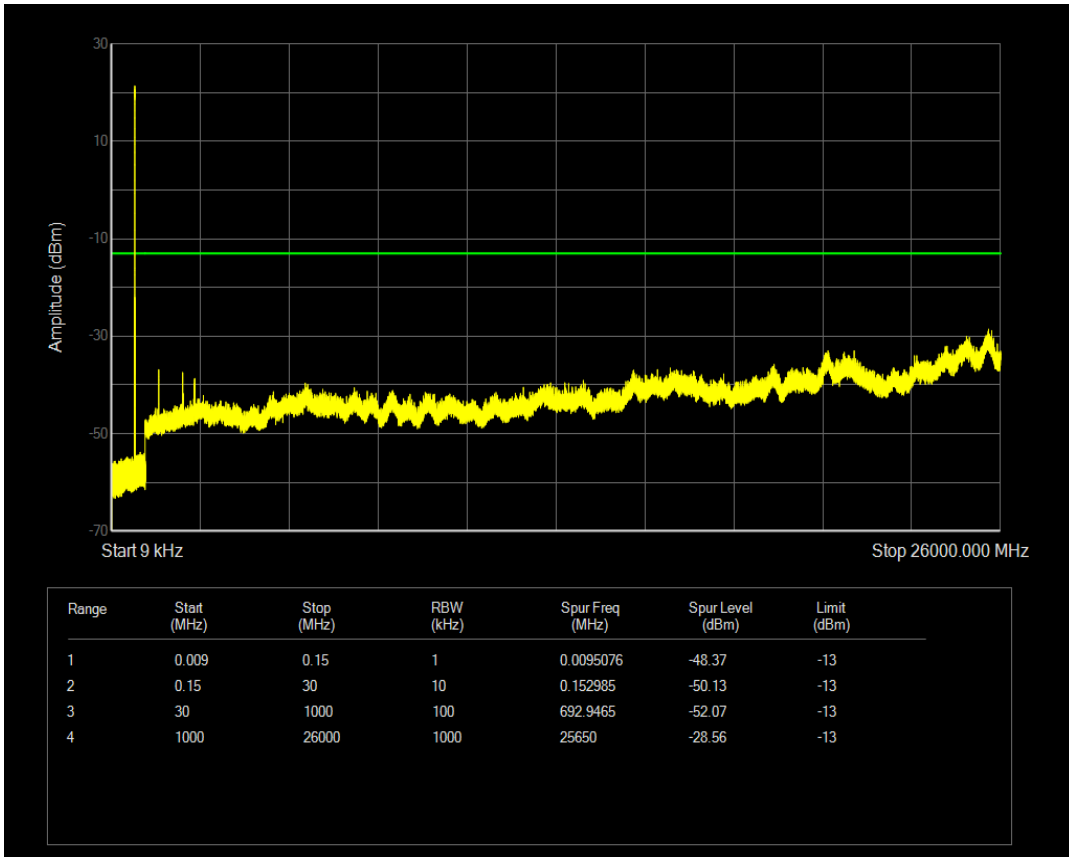
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



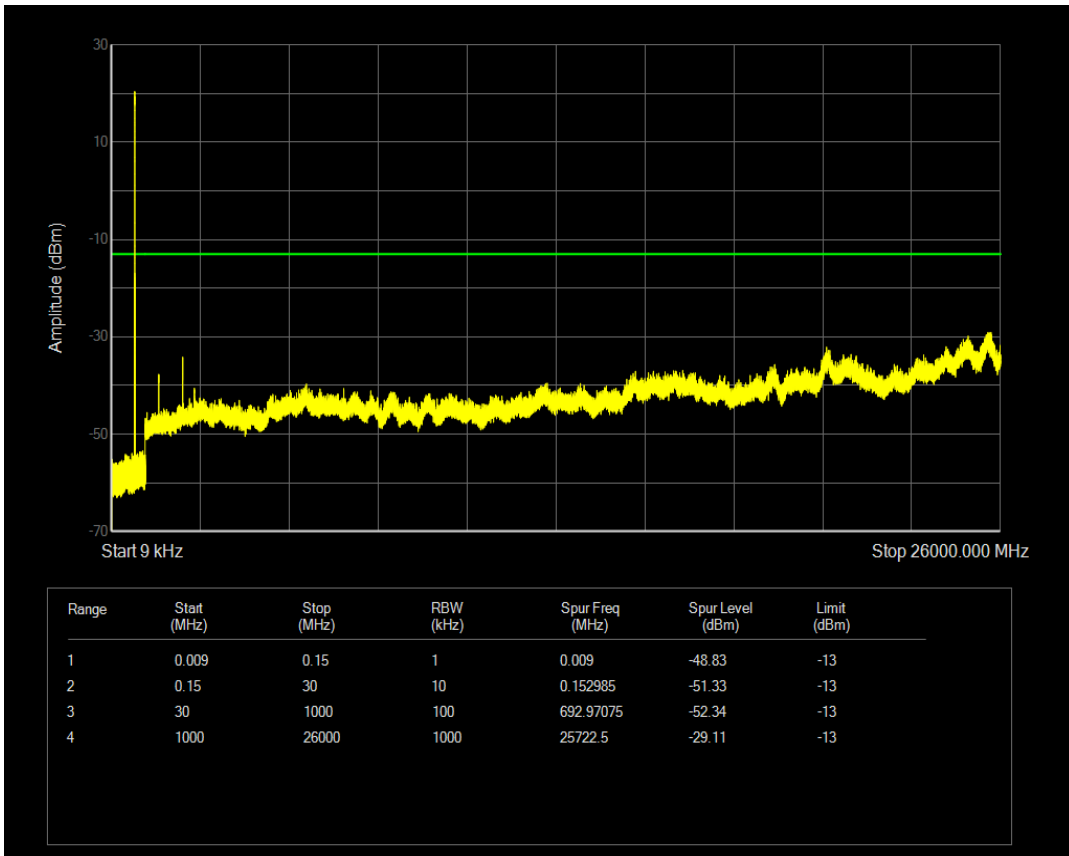
**Appendix 6. Out-of-band emissions**

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	25650.00	-28.56	-13	PASS
Band12	1.4	23017	6	#0	16QAM	25722.50	-29.11	-13	PASS
Band12	1.4	23095	6	#0	QPSK	25669.38	-28.56	-13	PASS
Band12	1.4	23095	6	#0	16QAM	25637.50	-28.58	-13	PASS
Band12	1.4	23173	6	#0	QPSK	25634.38	-28.51	-13	PASS
Band12	1.4	23173	6	#0	16QAM	25619.38	-28.00	-13	PASS
Band12	3	23025	15	#0	QPSK	25611.88	-28.41	-13	PASS
Band12	3	23025	15	#0	16QAM	25577.50	-28.52	-13	PASS
Band12	3	23095	15	#0	QPSK	25643.75	-27.60	-13	PASS
Band12	3	23095	15	#0	16QAM	25668.75	-28.25	-13	PASS
Band12	3	23165	15	#0	QPSK	25660.00	-28.91	-13	PASS
Band12	3	23165	15	#0	16QAM	25625.63	-27.82	-13	PASS
Band12	5	23035	25	#0	QPSK	25667.50	-28.65	-13	PASS
Band12	5	23035	25	#0	16QAM	25631.25	-28.54	-13	PASS
Band12	5	23095	25	#0	QPSK	25667.50	-28.16	-13	PASS
Band12	5	23095	25	#0	16QAM	25623.75	-29.01	-13	PASS
Band12	5	23155	25	#0	QPSK	25671.88	-28.25	-13	PASS
Band12	5	23155	25	#0	16QAM	25650.63	-28.66	-13	PASS
Band12	10	23060	50	#0	QPSK	25650.00	-28.55	-13	PASS
Band12	10	23060	50	#0	16QAM	25587.50	-28.59	-13	PASS
Band12	10	23095	50	#0	QPSK	25536.88	-28.42	-13	PASS
Band12	10	23095	50	#0	16QAM	25600.63	-28.42	-13	PASS
Band12	10	23130	50	#0	QPSK	25009.38	-28.44	-13	PASS
Band12	10	23130	50	#0	16QAM	25616.25	-28.87	-13	PASS

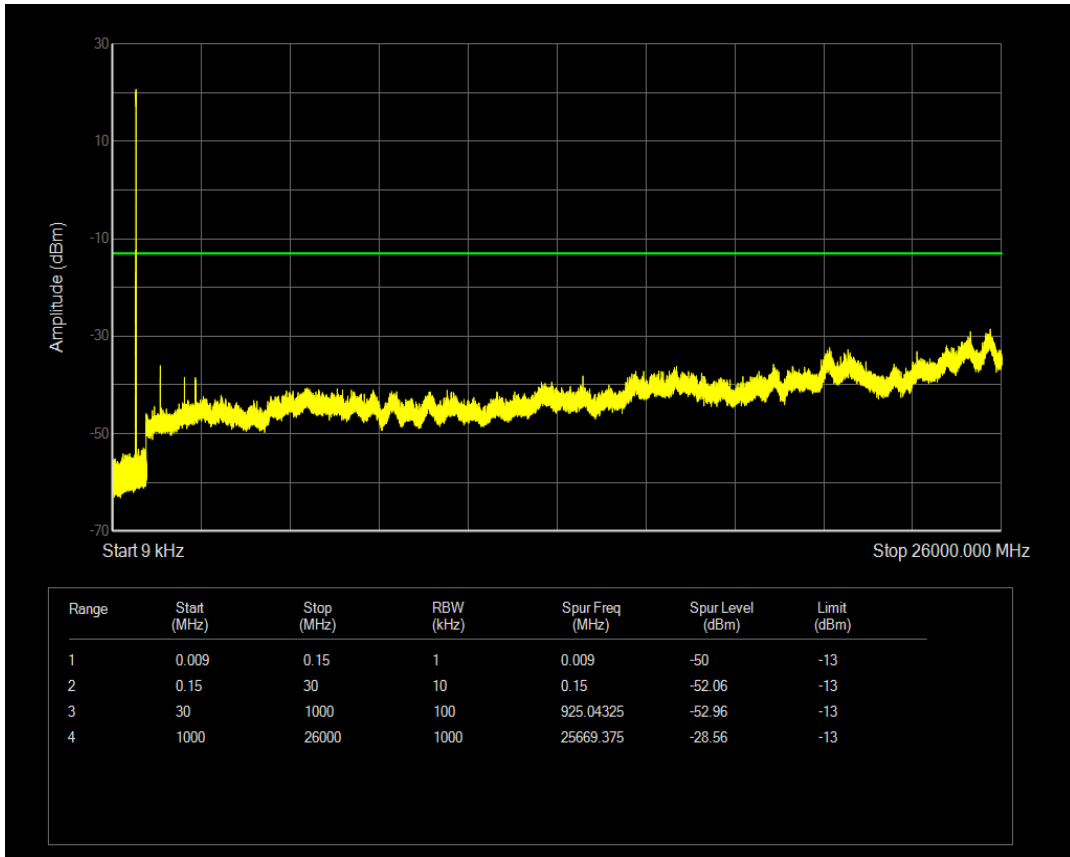
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



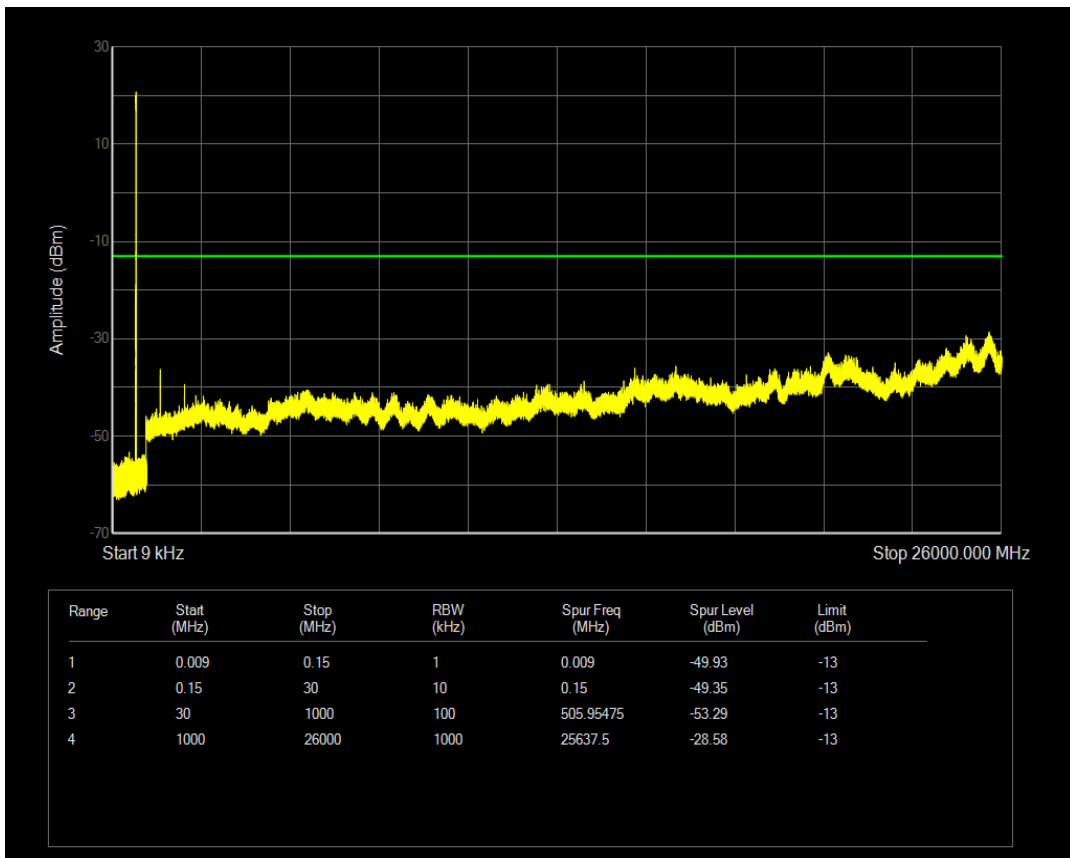
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



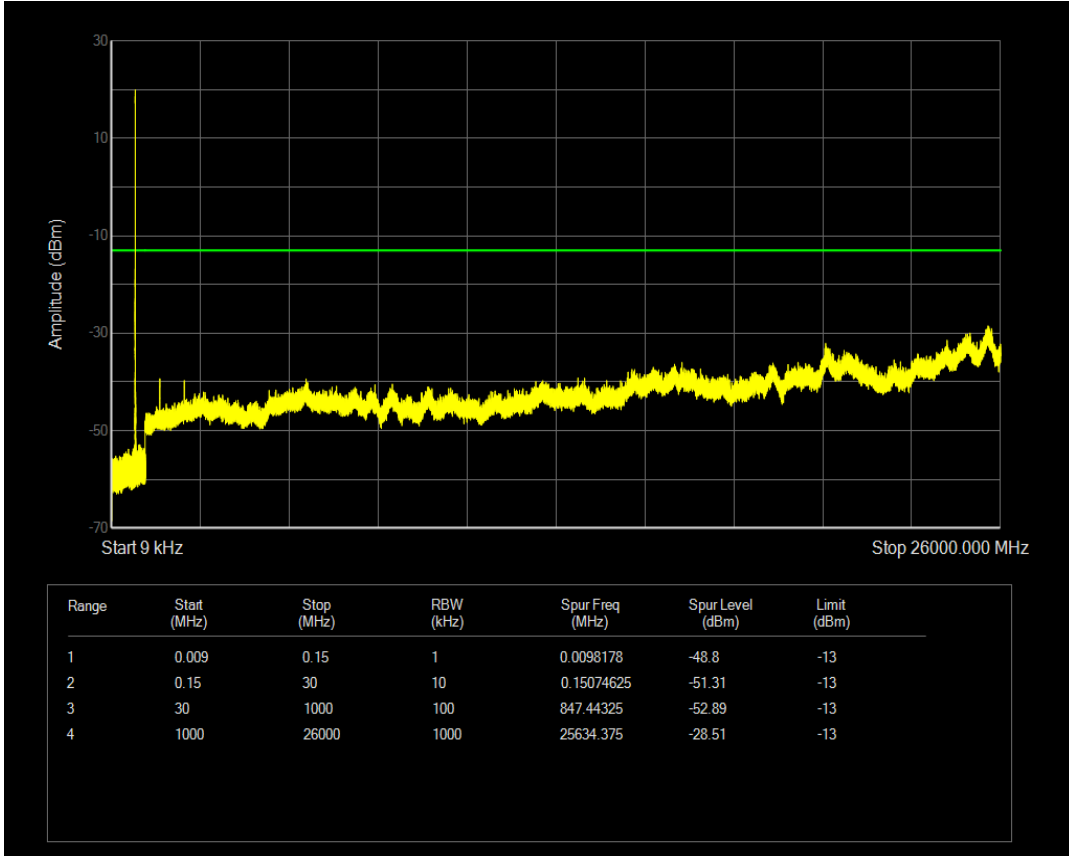
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



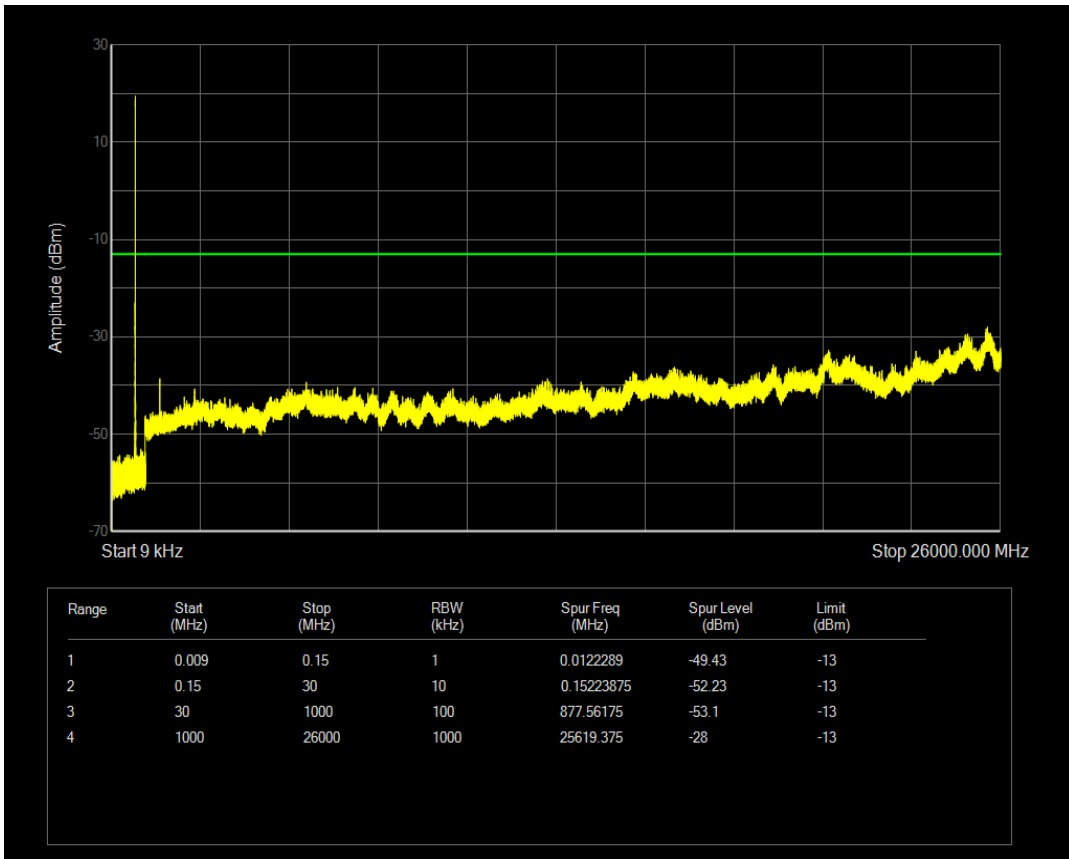
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



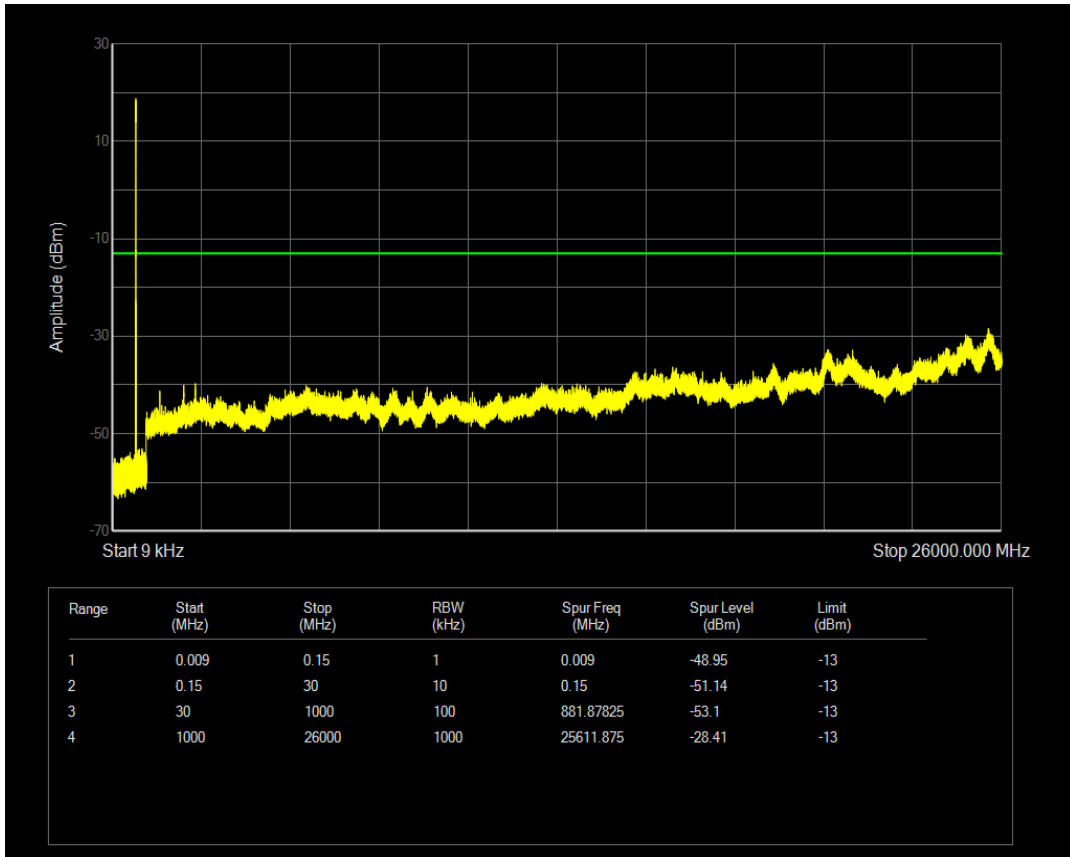
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



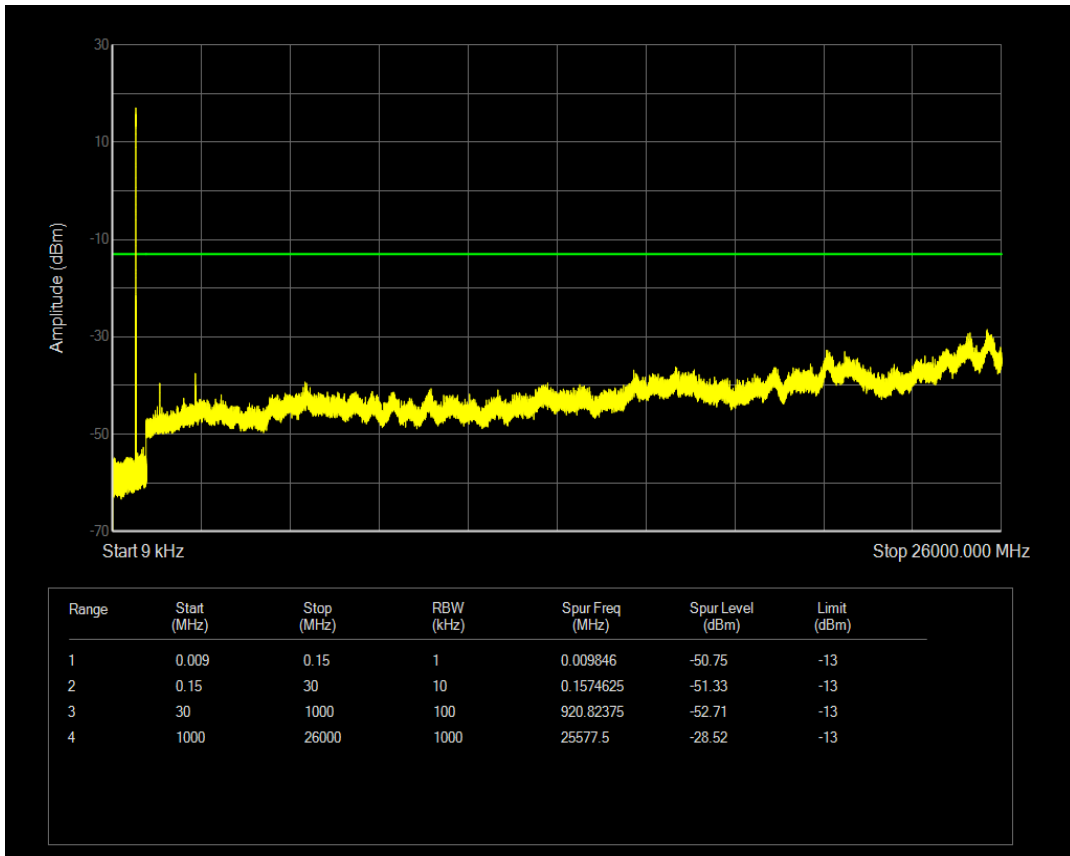
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



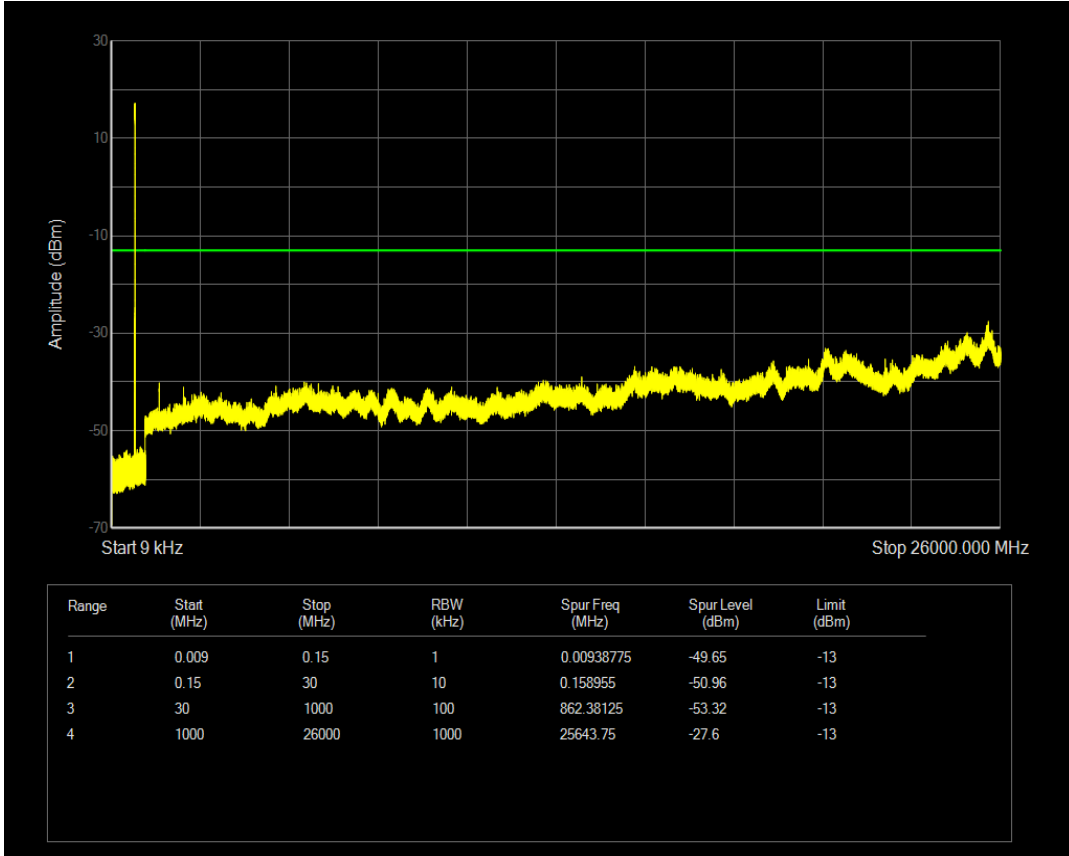
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



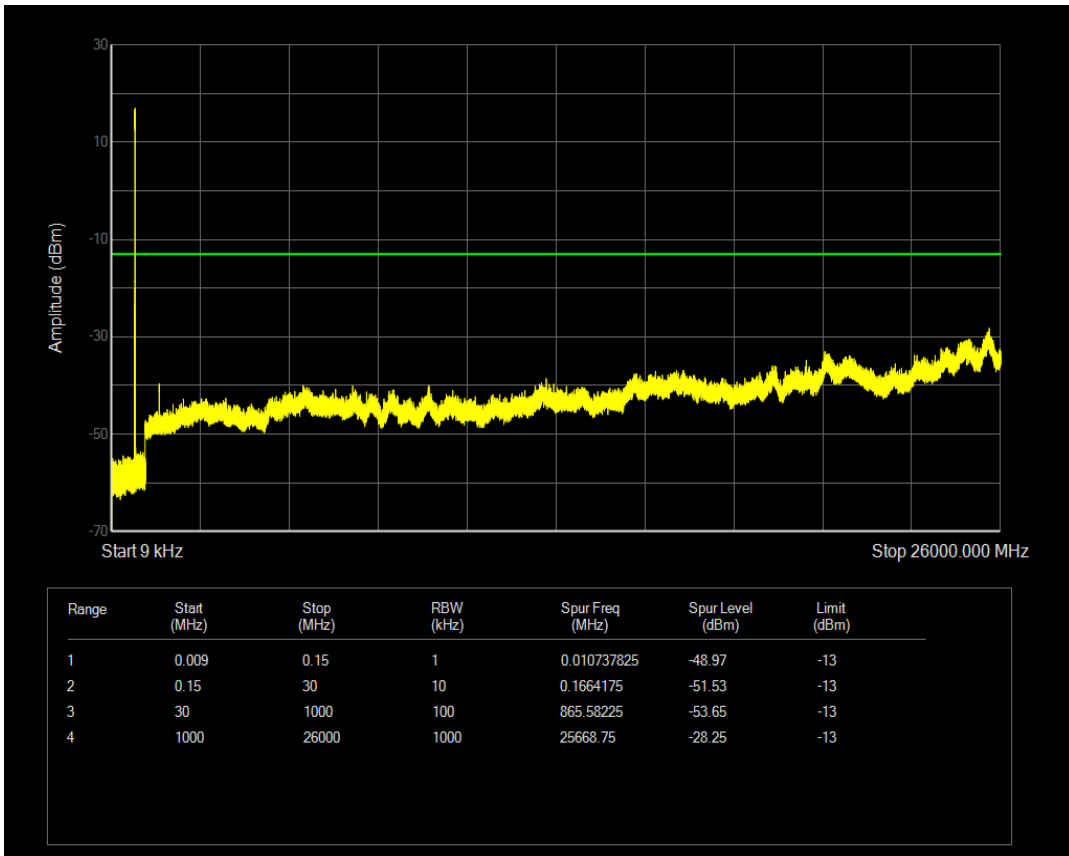
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



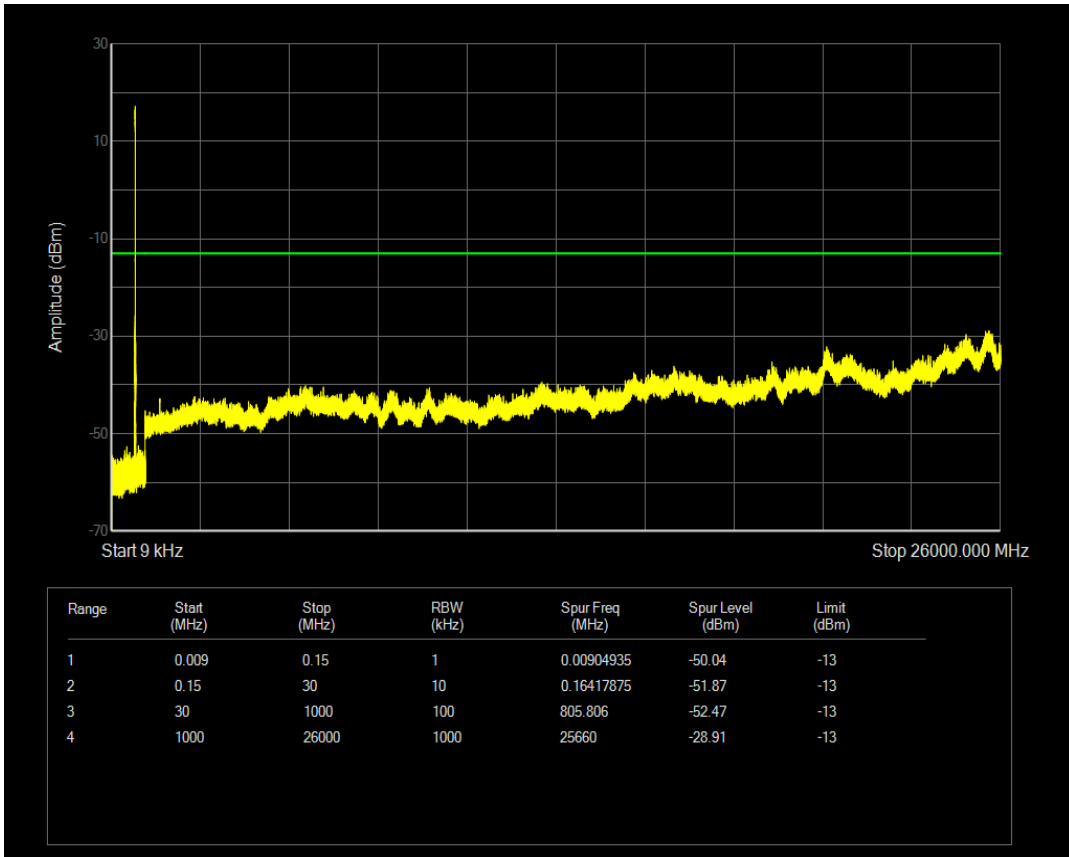
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



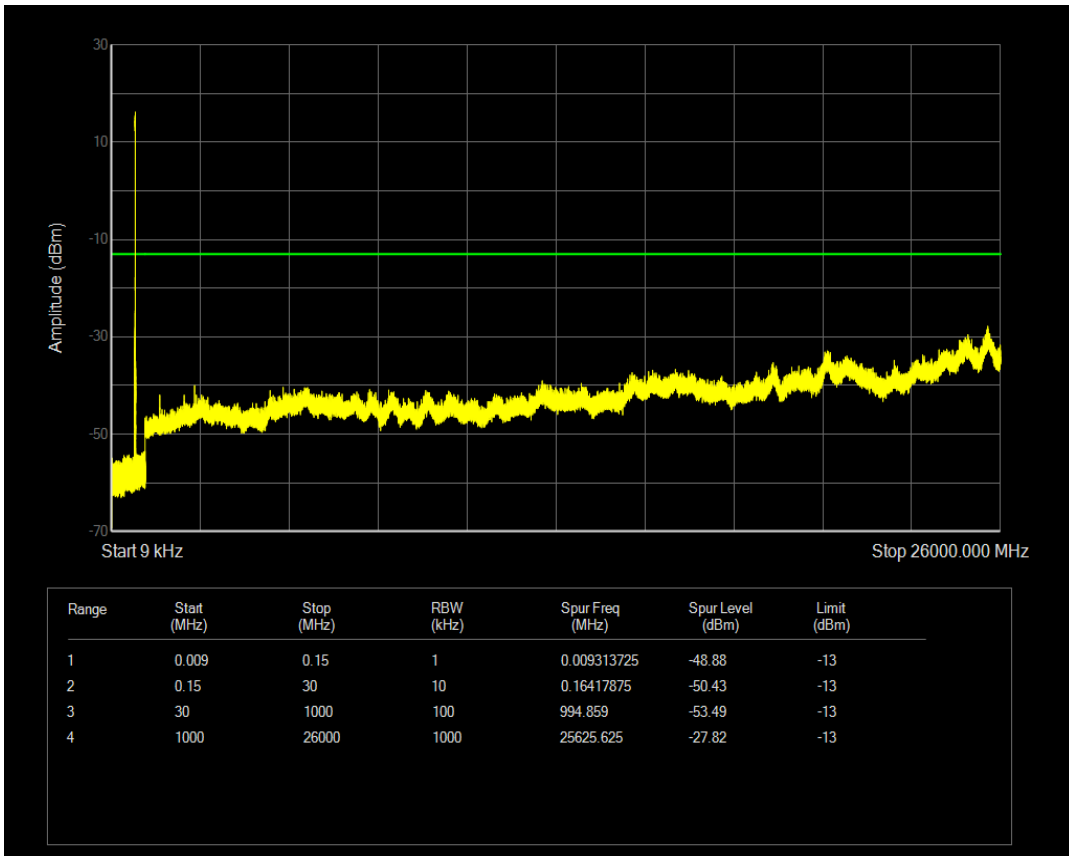
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



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

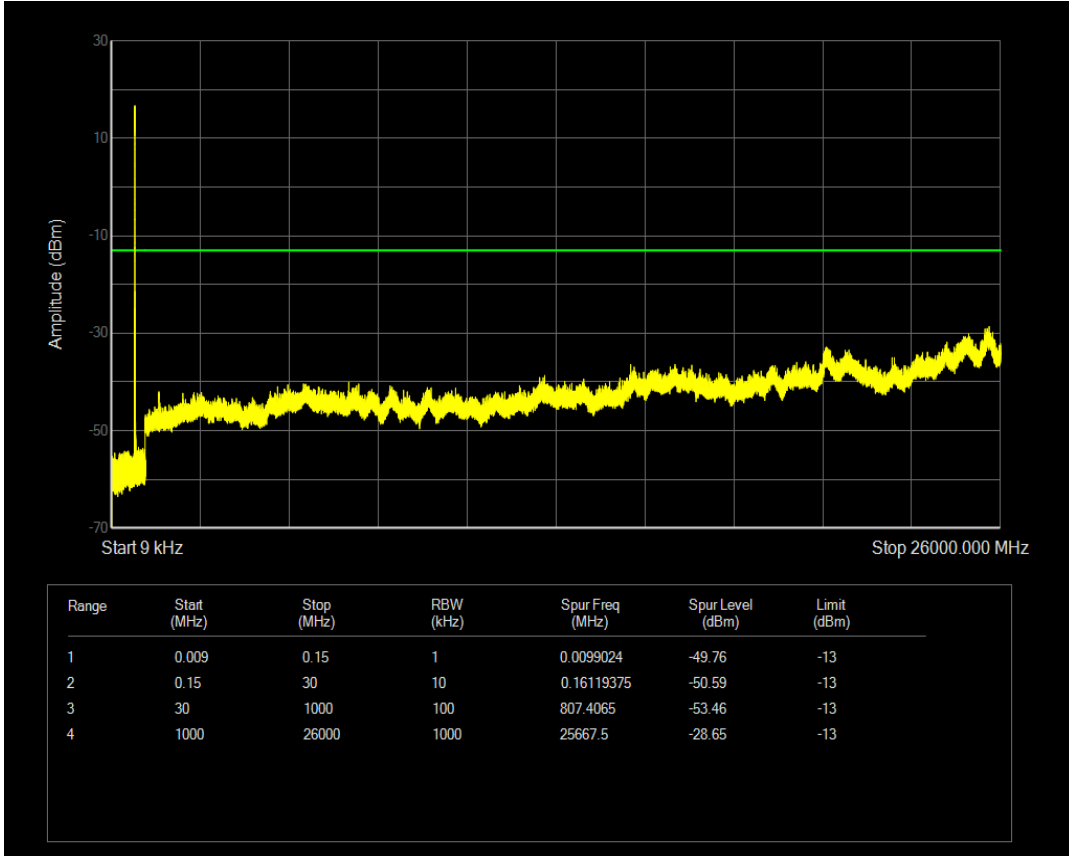


Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0

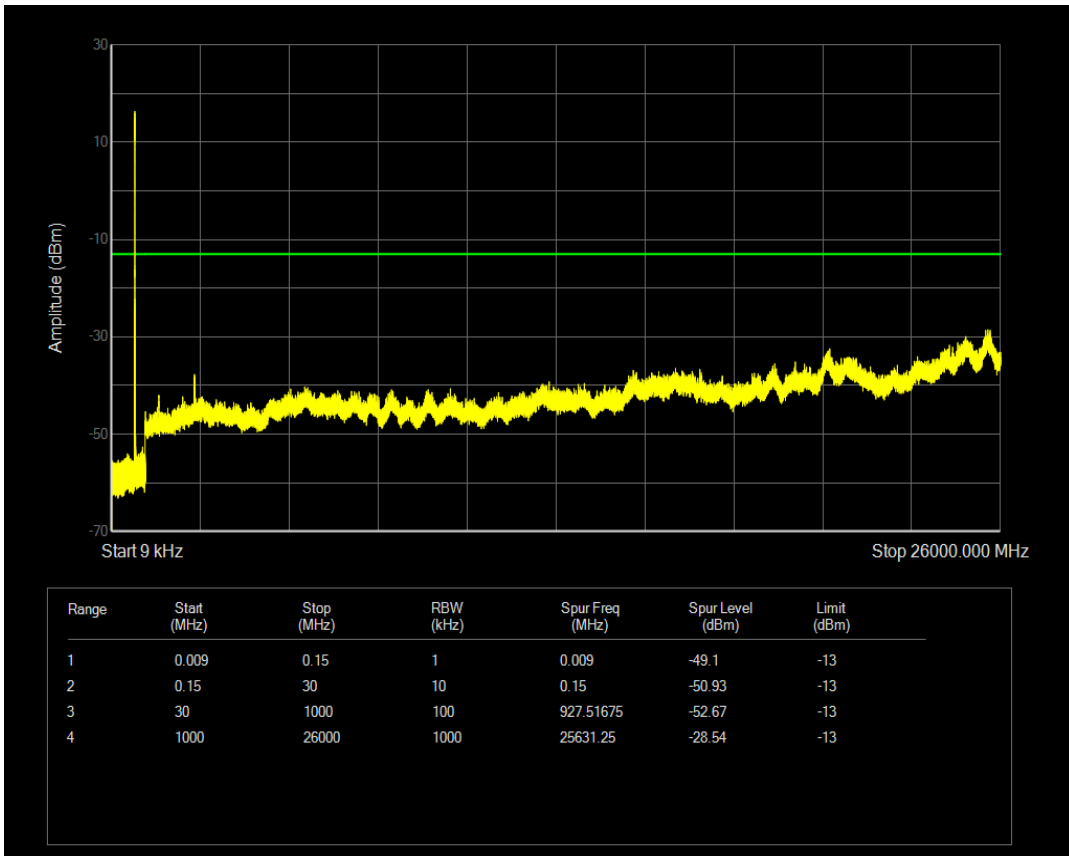


Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0

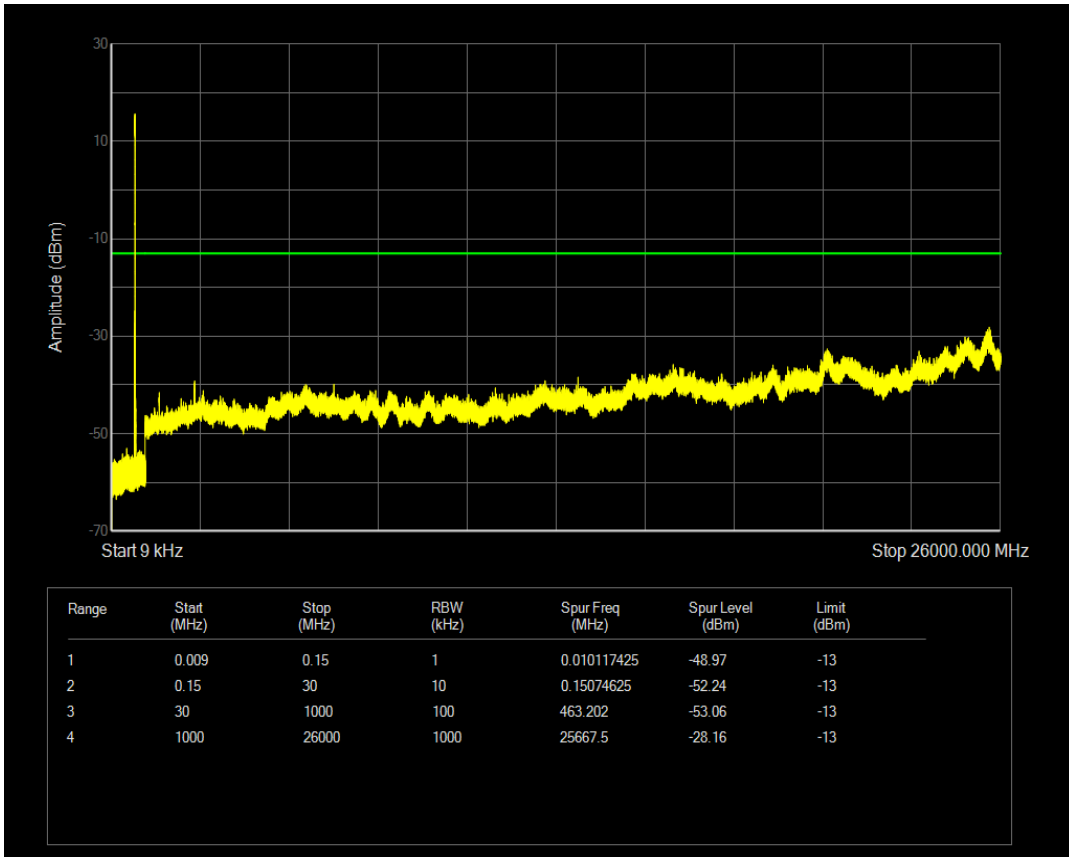




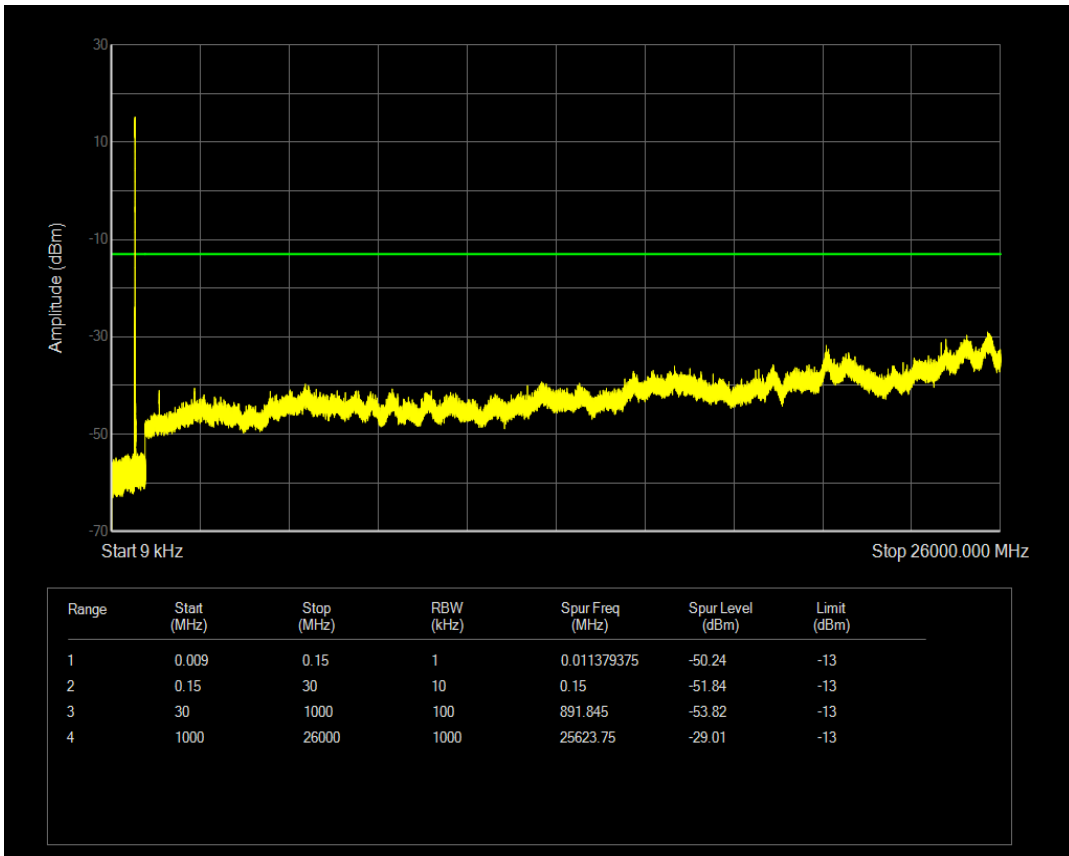
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



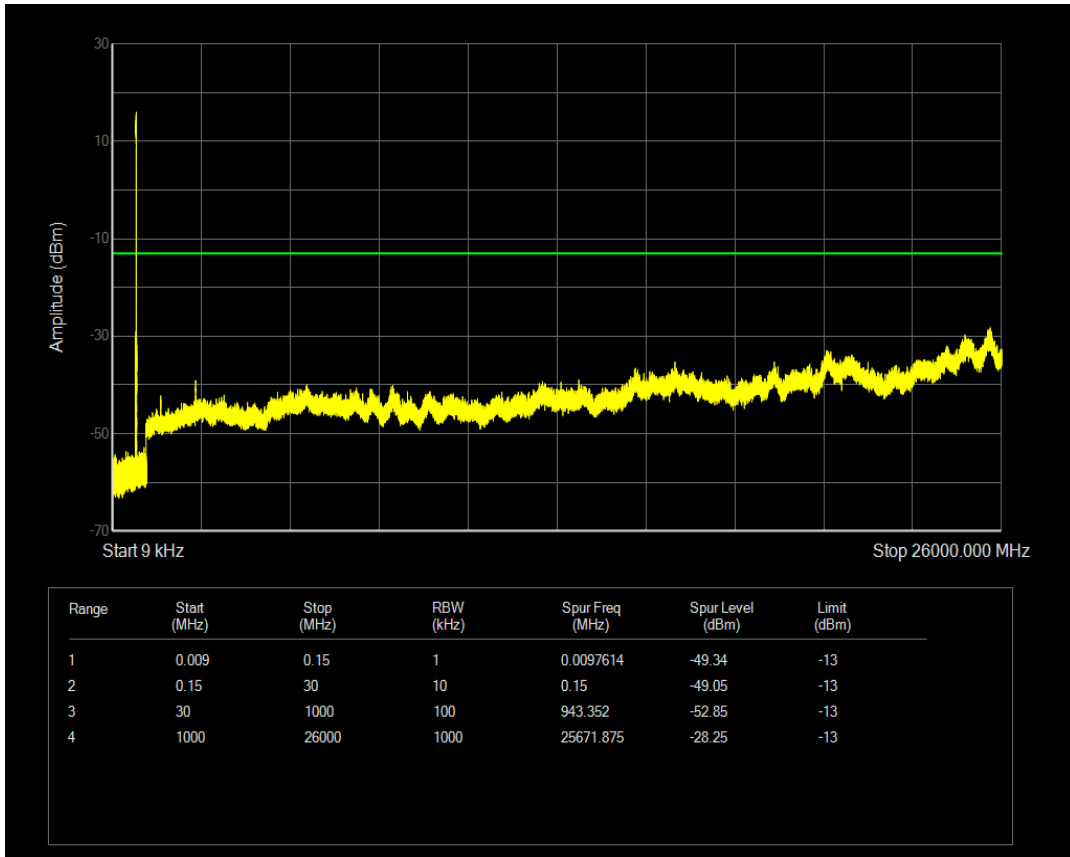
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



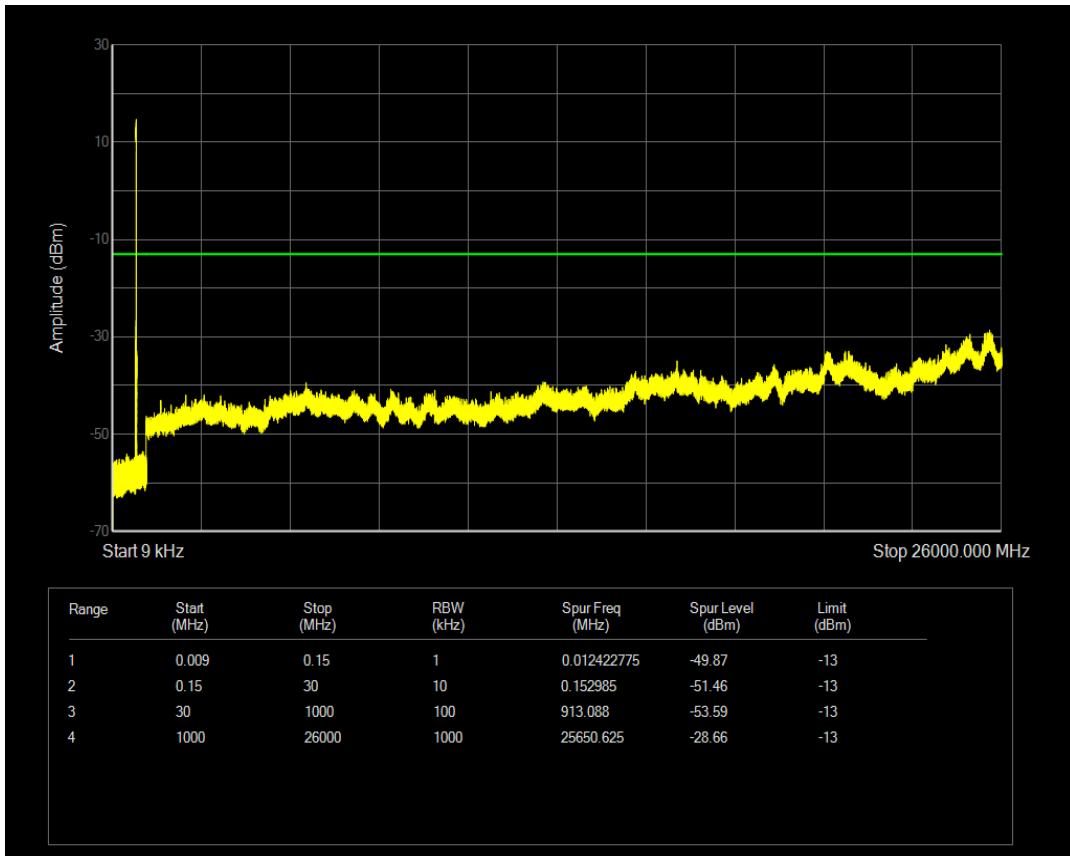
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



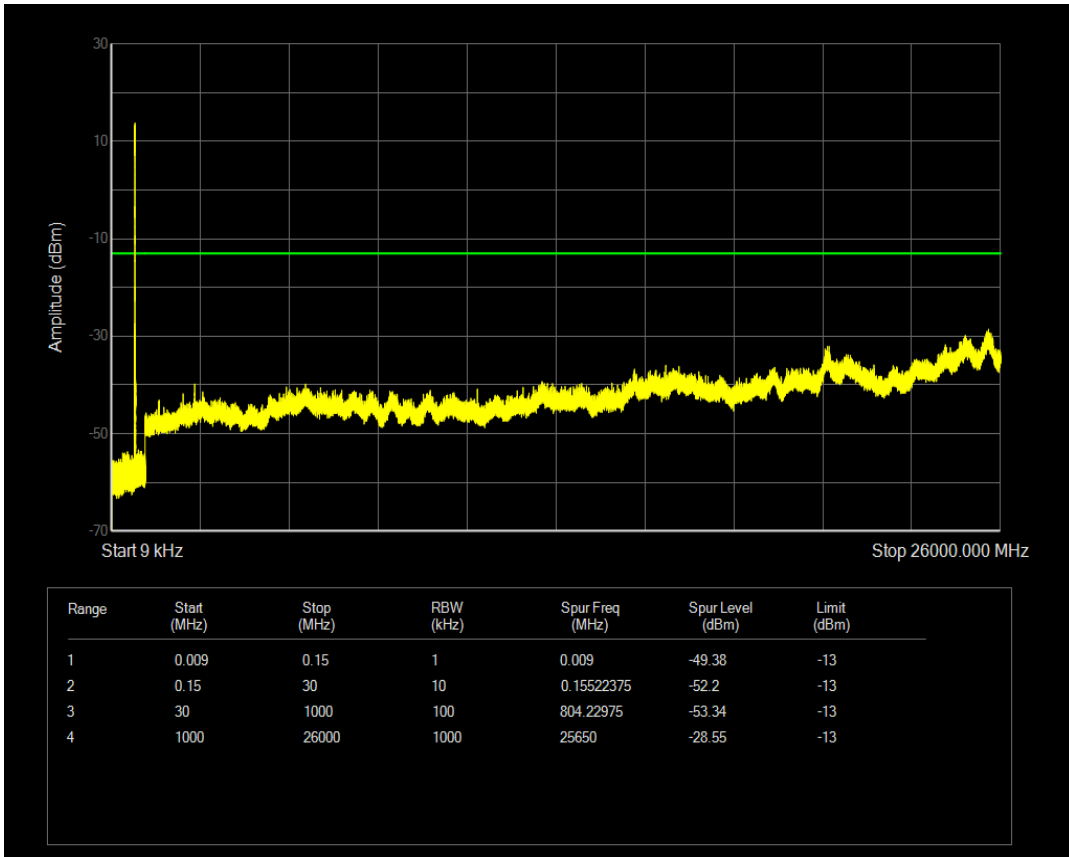
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



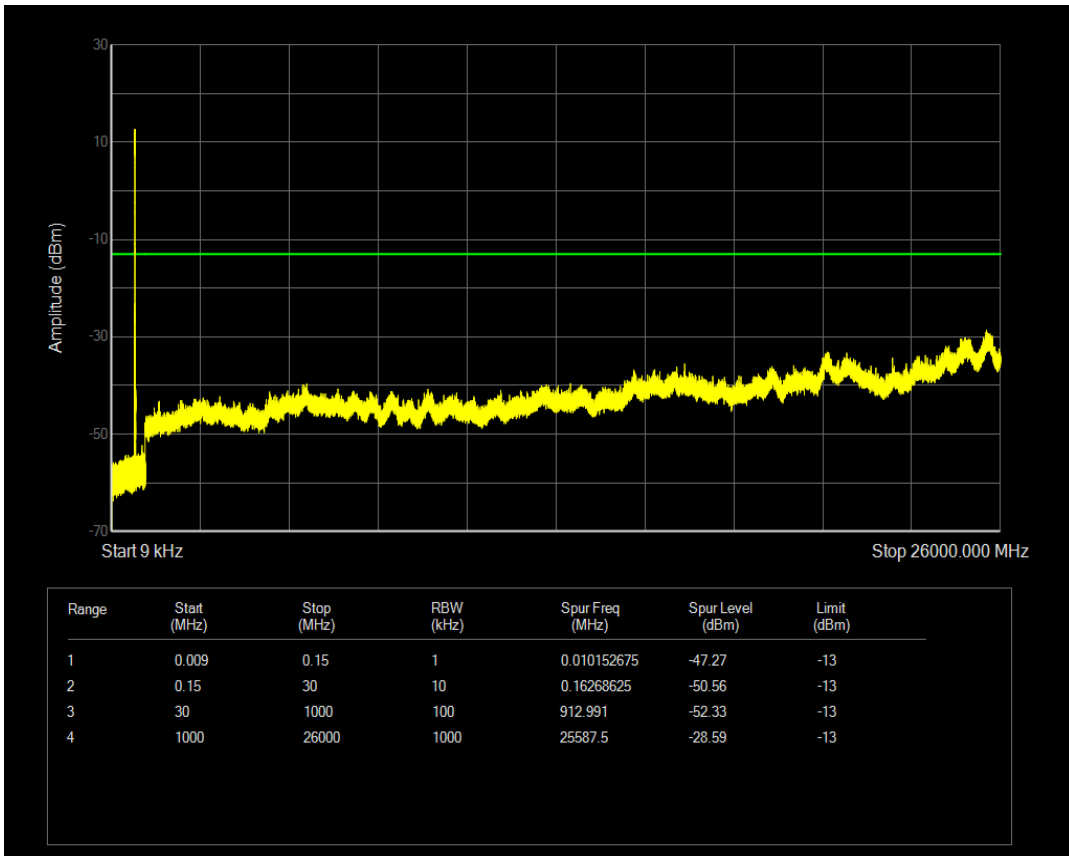
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



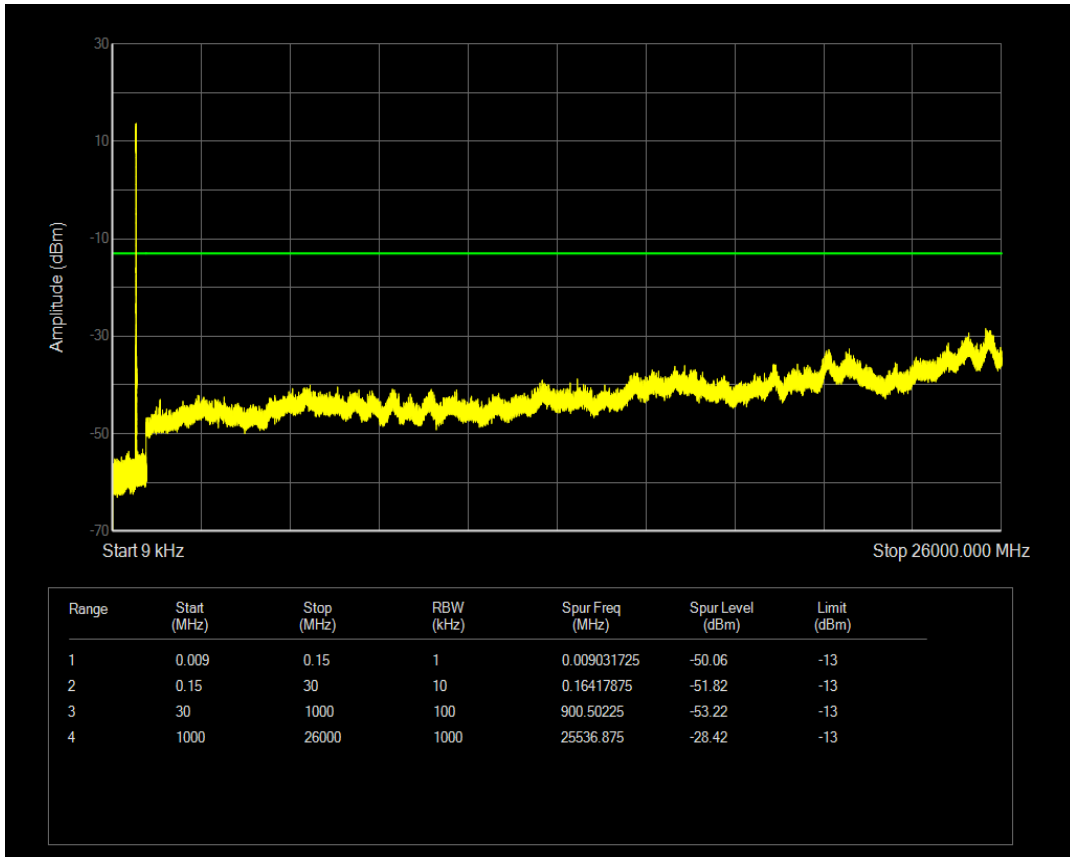
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



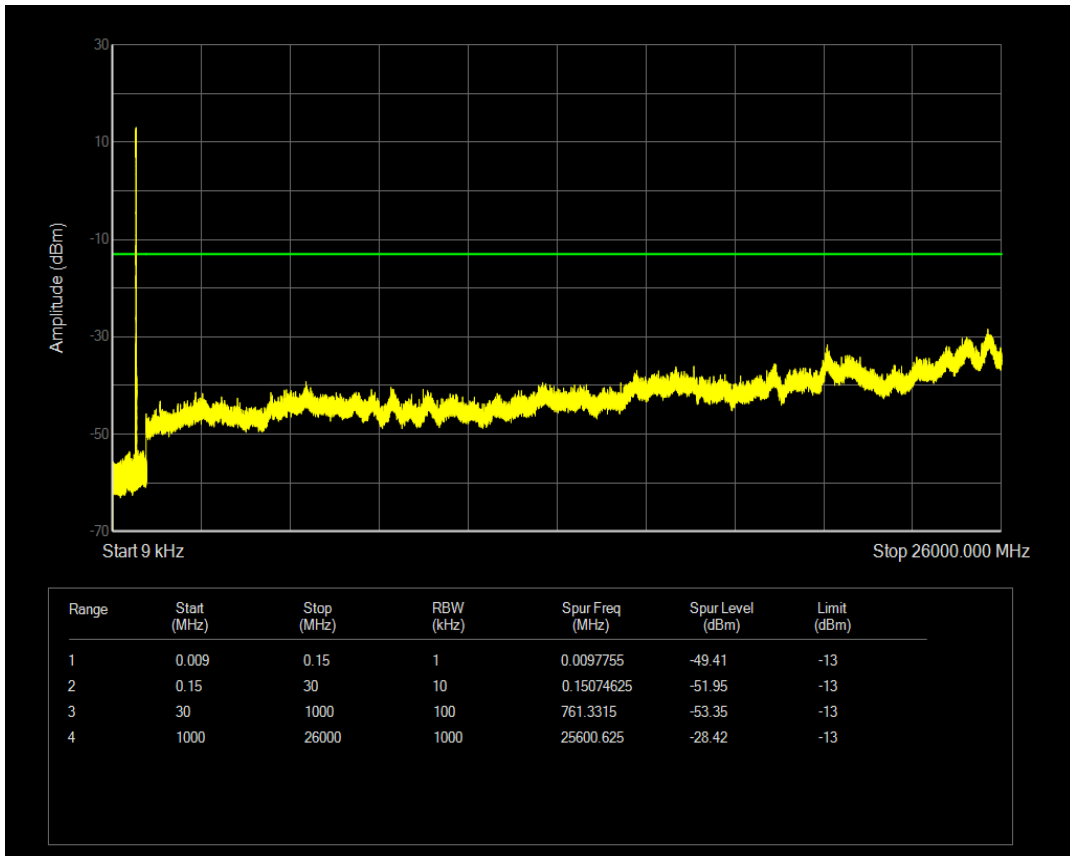
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



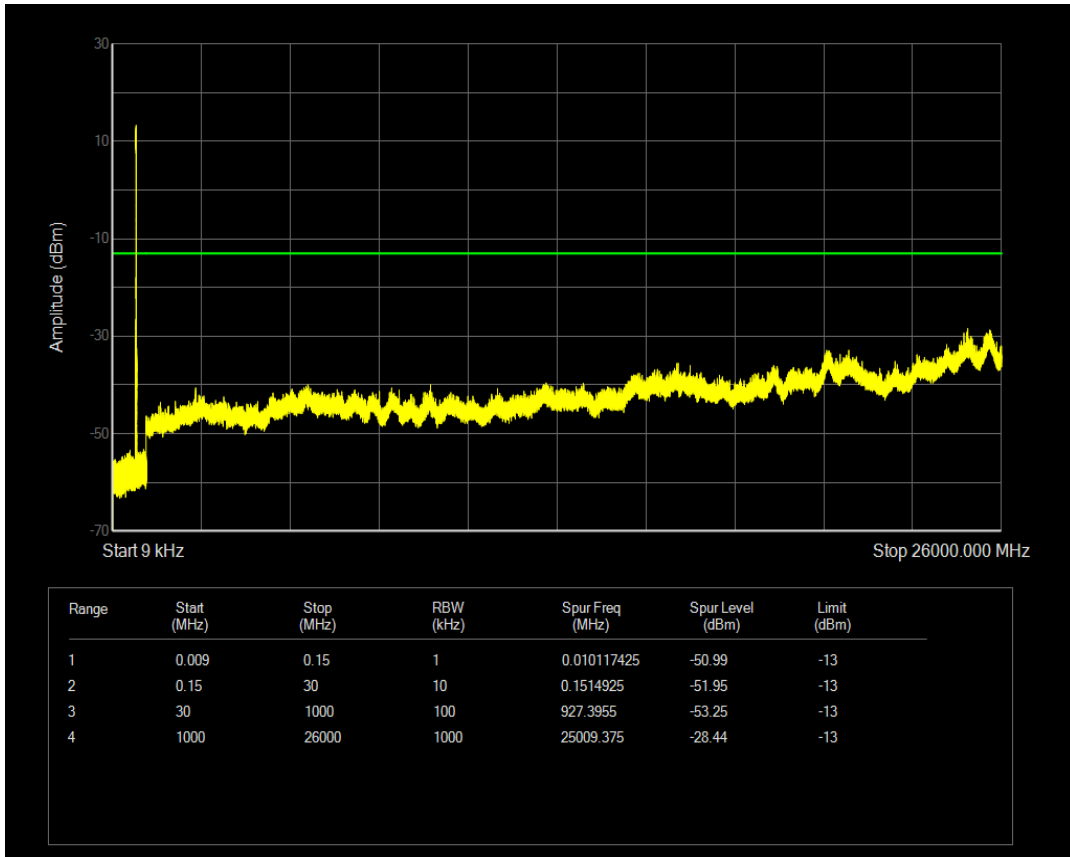
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



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

