

Appendix for Band 12

Report No.: BCTC2309714850-2E

Applicant: Shenzhen Great Asia Electronic Co.,Ltd.

Product Name: Tablet PC

Model/Type
reference: VOLT-V010-2

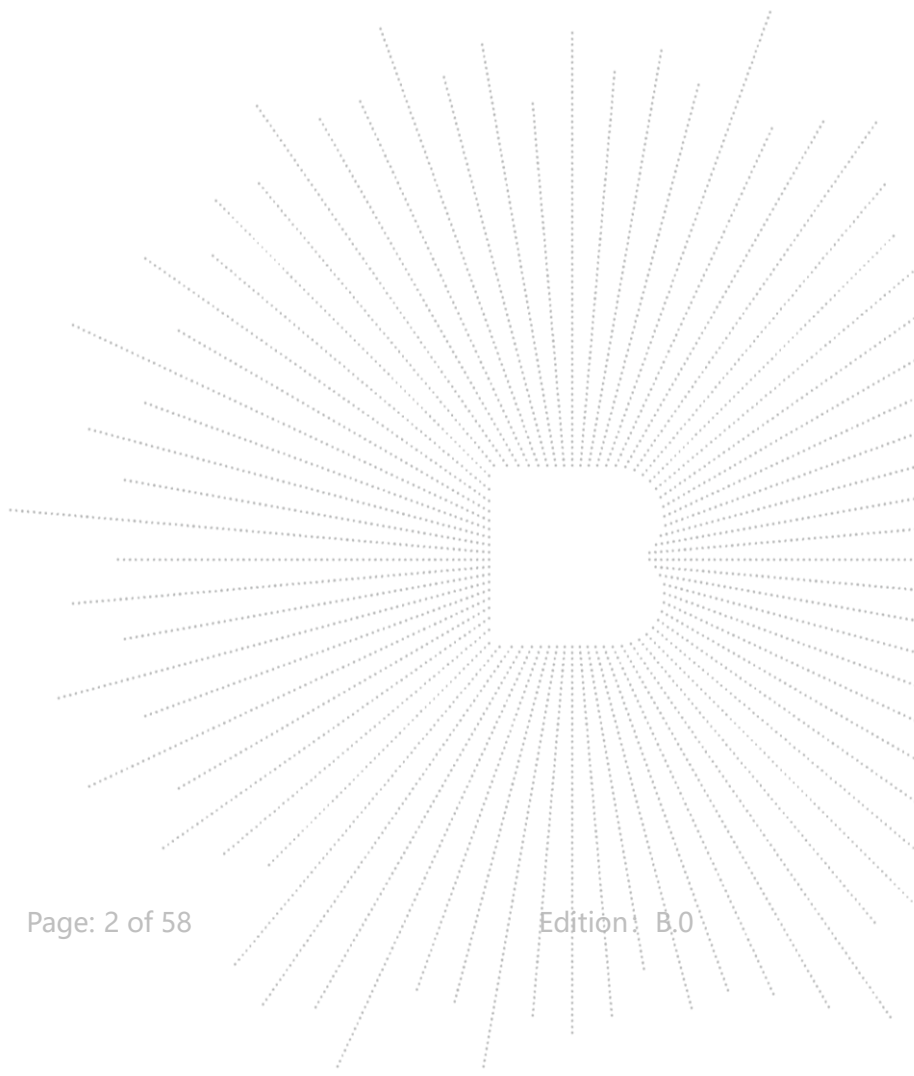
Tested Date: 2023-09-18 to 2023-10-09

Issued Date: 2023-10-23

Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1. Conducted output power	3
Appendix 2. Frequency stability	7
Appendix 3. Peak-to-Average Ratio	11
Appendix 4. Occupied bandwidth	24
Appendix 5. Band edge	37
Appendix 6. Out-of-band emissions	46



Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	24.05	PASS
Band12	1.4	23017	1	#Mid	QPSK	24.05	PASS
Band12	1.4	23017	1	#Max	QPSK	23.95	PASS
Band12	1.4	23017	3	#0	QPSK	24.12	PASS
Band12	1.4	23017	3	#Mid	QPSK	24.06	PASS
Band12	1.4	23017	3	#Max	QPSK	24.05	PASS
Band12	1.4	23017	6	#0	QPSK	23.04	PASS
Band12	1.4	23017	1	#0	16QAM	23.90	PASS
Band12	1.4	23017	1	#Mid	16QAM	23.93	PASS
Band12	1.4	23017	1	#Max	16QAM	23.88	PASS
Band12	1.4	23017	3	#0	16QAM	23.28	PASS
Band12	1.4	23017	3	#Mid	16QAM	23.22	PASS
Band12	1.4	23017	3	#Max	16QAM	23.18	PASS
Band12	1.4	23017	6	#0	16QAM	22.35	PASS
Band12	1.4	23095	1	#0	QPSK	23.88	PASS
Band12	1.4	23095	1	#Mid	QPSK	23.88	PASS
Band12	1.4	23095	1	#Max	QPSK	23.82	PASS
Band12	1.4	23095	3	#0	QPSK	23.99	PASS
Band12	1.4	23095	3	#Mid	QPSK	24.00	PASS
Band12	1.4	23095	3	#Max	QPSK	23.96	PASS
Band12	1.4	23095	6	#0	QPSK	22.84	PASS
Band12	1.4	23095	1	#0	16QAM	23.51	PASS
Band12	1.4	23095	1	#Mid	16QAM	23.54	PASS
Band12	1.4	23095	1	#Max	16QAM	23.53	PASS
Band12	1.4	23095	3	#0	16QAM	22.97	PASS
Band12	1.4	23095	3	#Mid	16QAM	22.99	PASS
Band12	1.4	23095	3	#Max	16QAM	22.95	PASS
Band12	1.4	23095	6	#0	16QAM	21.93	PASS
Band12	1.4	23173	1	#0	QPSK	24.15	PASS
Band12	1.4	23173	1	#Mid	QPSK	24.19	PASS
Band12	1.4	23173	1	#Max	QPSK	24.20	PASS
Band12	1.4	23173	3	#0	QPSK	23.98	PASS
Band12	1.4	23173	3	#Mid	QPSK	24.11	PASS
Band12	1.4	23173	3	#Max	QPSK	24.06	PASS
Band12	1.4	23173	6	#0	QPSK	23.15	PASS
Band12	1.4	23173	1	#0	16QAM	23.60	PASS
Band12	1.4	23173	1	#Mid	16QAM	23.82	PASS
Band12	1.4	23173	1	#Max	16QAM	23.67	PASS
Band12	1.4	23173	3	#0	16QAM	23.38	PASS



Band12	1.4	23173	3	#Mid	16QAM	23.40	PASS
Band12	1.4	23173	3	#Max	16QAM	23.38	PASS
Band12	1.4	23173	6	#0	16QAM	22.19	PASS
Band12	3	23025	1	#0	QPSK	23.90	PASS
Band12	3	23025	1	#Mid	QPSK	23.87	PASS
Band12	3	23025	1	#Max	QPSK	23.91	PASS
Band12	3	23025	8	#0	QPSK	23.14	PASS
Band12	3	23025	8	#Mid	QPSK	23.06	PASS
Band12	3	23025	8	#Max	QPSK	23.00	PASS
Band12	3	23025	15	#0	QPSK	23.00	PASS
Band12	3	23025	1	#0	16QAM	23.89	PASS
Band12	3	23025	1	#Mid	16QAM	23.86	PASS
Band12	3	23025	1	#Max	16QAM	23.70	PASS
Band12	3	23025	8	#0	16QAM	22.22	PASS
Band12	3	23025	8	#Mid	16QAM	22.14	PASS
Band12	3	23025	8	#Max	16QAM	22.18	PASS
Band12	3	23025	15	#0	16QAM	22.38	PASS
Band12	3	23095	1	#0	QPSK	23.89	PASS
Band12	3	23095	1	#Mid	QPSK	23.85	PASS
Band12	3	23095	1	#Max	QPSK	23.83	PASS
Band12	3	23095	8	#0	QPSK	22.97	PASS
Band12	3	23095	8	#Mid	QPSK	22.95	PASS
Band12	3	23095	8	#Max	QPSK	22.80	PASS
Band12	3	23095	15	#0	QPSK	22.91	PASS
Band12	3	23095	1	#0	16QAM	23.53	PASS
Band12	3	23095	1	#Mid	16QAM	23.53	PASS
Band12	3	23095	1	#Max	16QAM	23.43	PASS
Band12	3	23095	8	#0	16QAM	22.56	PASS
Band12	3	23095	8	#Mid	16QAM	22.17	PASS
Band12	3	23095	8	#Max	16QAM	22.18	PASS
Band12	3	23095	15	#0	16QAM	22.08	PASS
Band12	3	23165	1	#0	QPSK	24.13	PASS
Band12	3	23165	1	#Mid	QPSK	24.12	PASS
Band12	3	23165	1	#Max	QPSK	24.24	PASS
Band12	3	23165	8	#0	QPSK	23.03	PASS
Band12	3	23165	8	#Mid	QPSK	23.08	PASS
Band12	3	23165	8	#Max	QPSK	23.03	PASS
Band12	3	23165	15	#0	QPSK	23.05	PASS
Band12	3	23165	1	#0	16QAM	23.76	PASS
Band12	3	23165	1	#Mid	16QAM	23.86	PASS
Band12	3	23165	1	#Max	16QAM	23.61	PASS
Band12	3	23165	8	#0	16QAM	21.99	PASS
Band12	3	23165	8	#Mid	16QAM	22.02	PASS
Band12	3	23165	8	#Max	16QAM	21.99	PASS



Band12	3	23165	15	#0	16QAM	22.08	PASS
Band12	5	23035	1	#0	QPSK	23.89	PASS
Band12	5	23035	1	#Mid	QPSK	23.76	PASS
Band12	5	23035	1	#Max	QPSK	23.81	PASS
Band12	5	23035	12	#0	QPSK	22.92	PASS
Band12	5	23035	12	#Mid	QPSK	22.76	PASS
Band12	5	23035	12	#Max	QPSK	22.77	PASS
Band12	5	23035	25	#0	QPSK	22.85	PASS
Band12	5	23035	1	#0	16QAM	23.13	PASS
Band12	5	23035	1	#Mid	16QAM	22.95	PASS
Band12	5	23035	1	#Max	16QAM	23.08	PASS
Band12	5	23035	12	#0	16QAM	22.22	PASS
Band12	5	23035	12	#Mid	16QAM	22.18	PASS
Band12	5	23035	12	#Max	16QAM	22.19	PASS
Band12	5	23035	25	#0	16QAM	22.28	PASS
Band12	5	23095	1	#0	QPSK	23.92	PASS
Band12	5	23095	1	#Mid	QPSK	23.94	PASS
Band12	5	23095	1	#Max	QPSK	24.07	PASS
Band12	5	23095	12	#0	QPSK	22.83	PASS
Band12	5	23095	12	#Mid	QPSK	22.95	PASS
Band12	5	23095	12	#Max	QPSK	22.96	PASS
Band12	5	23095	25	#0	QPSK	22.93	PASS
Band12	5	23095	1	#0	16QAM	22.53	PASS
Band12	5	23095	1	#Mid	16QAM	22.59	PASS
Band12	5	23095	1	#Max	16QAM	22.80	PASS
Band12	5	23095	12	#0	16QAM	22.27	PASS
Band12	5	23095	12	#Mid	16QAM	21.83	PASS
Band12	5	23095	12	#Max	16QAM	21.89	PASS
Band12	5	23095	25	#0	16QAM	22.02	PASS
Band12	5	23155	1	#0	QPSK	23.99	PASS
Band12	5	23155	1	#Mid	QPSK	23.95	PASS
Band12	5	23155	1	#Max	QPSK	24.01	PASS
Band12	5	23155	12	#0	QPSK	23.08	PASS
Band12	5	23155	12	#Mid	QPSK	23.03	PASS
Band12	5	23155	12	#Max	QPSK	23.09	PASS
Band12	5	23155	25	#0	QPSK	23.00	PASS
Band12	5	23155	1	#0	16QAM	22.93	PASS
Band12	5	23155	1	#Mid	16QAM	22.94	PASS
Band12	5	23155	1	#Max	16QAM	23.01	PASS
Band12	5	23155	12	#0	16QAM	22.34	PASS
Band12	5	23155	12	#Mid	16QAM	21.98	PASS
Band12	5	23155	12	#Max	16QAM	21.91	PASS
Band12	5	23155	25	#0	16QAM	21.95	PASS
Band12	10	23060	1	#0	QPSK	23.94	PASS



Band12	10	23060	1	#Mid	QPSK	23.92	PASS
Band12	10	23060	1	#Max	QPSK	23.86	PASS
Band12	10	23060	25	#0	QPSK	22.93	PASS
Band12	10	23060	25	#Mid	QPSK	23.01	PASS
Band12	10	23060	25	#Max	QPSK	22.98	PASS
Band12	10	23060	50	#0	QPSK	23.01	PASS
Band12	10	23060	1	#0	16QAM	23.93	PASS
Band12	10	23060	1	#Mid	16QAM	24.03	PASS
Band12	10	23060	1	#Max	16QAM	23.84	PASS
Band12	10	23060	25	#0	16QAM	22.23	PASS
Band12	10	23060	25	#Mid	16QAM	21.93	PASS
Band12	10	23060	25	#Max	16QAM	22.26	PASS
Band12	10	23060	50	#0	16QAM	22.05	PASS
Band12	10	23095	1	#0	QPSK	24.02	PASS
Band12	10	23095	1	#Mid	QPSK	23.90	PASS
Band12	10	23095	1	#Max	QPSK	24.02	PASS
Band12	10	23095	25	#0	QPSK	23.01	PASS
Band12	10	23095	25	#Mid	QPSK	22.96	PASS
Band12	10	23095	25	#Max	QPSK	23.01	PASS
Band12	10	23095	50	#0	QPSK	22.92	PASS
Band12	10	23095	1	#0	16QAM	22.96	PASS
Band12	10	23095	1	#Mid	16QAM	22.97	PASS
Band12	10	23095	1	#Max	16QAM	23.06	PASS
Band12	10	23095	25	#0	16QAM	22.45	PASS
Band12	10	23095	25	#Mid	16QAM	21.98	PASS
Band12	10	23095	25	#Max	16QAM	22.02	PASS
Band12	10	23095	50	#0	16QAM	22.10	PASS
Band12	10	23130	1	#0	QPSK	23.99	PASS
Band12	10	23130	1	#Mid	QPSK	24.04	PASS
Band12	10	23130	1	#Max	QPSK	24.19	PASS
Band12	10	23130	25	#0	QPSK	22.91	PASS
Band12	10	23130	25	#Mid	QPSK	23.11	PASS
Band12	10	23130	25	#Max	QPSK	23.06	PASS
Band12	10	23130	50	#0	QPSK	23.09	PASS
Band12	10	23130	1	#0	16QAM	22.80	PASS
Band12	10	23130	1	#Mid	16QAM	22.90	PASS
Band12	10	23130	1	#Max	16QAM	23.03	PASS
Band12	10	23130	25	#0	16QAM	21.98	PASS
Band12	10	23130	25	#Mid	16QAM	22.08	PASS
Band12	10	23130	25	#Max	16QAM	22.07	PASS
Band12	10	23130	50	#0	16QAM	22.05	PASS

Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band1 2	1.4	23017	6	#0	QPSK	LV	NT	-2.75	-0.004	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	NT	0.84	0.001	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	HV	NT	2.49	0.004	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	LV	NT	4.25	0.006	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	NV	NT	4.26	0.006	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	HV	NT	-10.04	-0.014	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	LV	NT	-4.26	-0.006	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	NT	-6.85	-0.010	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	HV	NT	-11.40	-0.016	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	LV	NT	-8.88	-0.013	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	NV	NT	5.72	0.008	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	HV	NT	8.90	0.013	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	LV	NT	-6.31	-0.009	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	NT	-5.59	-0.008	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	HV	NT	-4.66	-0.007	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	LV	NT	-6.85	-0.010	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	NV	NT	-7.85	-0.011	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	HV	NT	-8.54	-0.012	-2.5	2.5	PASS
Band1	3	23025	15	#0	QPSK	LV	NT	-26.2	-0.03	-2.5	2.5	PASS

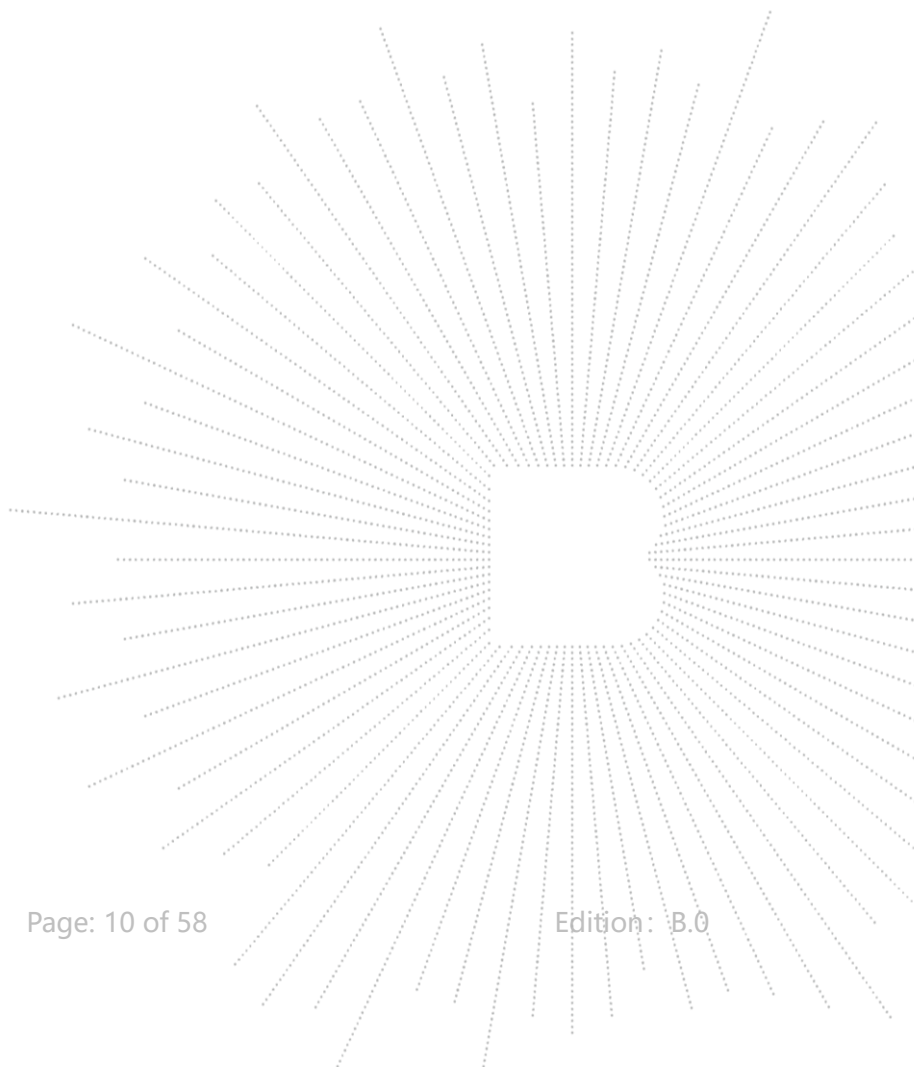


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Band1 2	3	23025	15	#0	QPSK	NV	NT	-17.7 2	-0.02 5	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	HV	NT	-11.36	-0.01 6	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	LV	NT	-8.87	-0.01 3	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	NT	-8.40	-0.01 2	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	HV	NT	-9.24	-0.01 3	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	LV	NT	3.42	0.005	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	NT	3.79	0.005	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	HV	NT	6.54	0.009	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	LV	NT	7.57	0.011	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	NT	8.81	0.012	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	HV	NT	11.34	0.016	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	LV	NT	-0.44	-0.00 1	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	NV	NT	-0.73	-0.00 1	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	HV	NT	-1.92	-0.00 3	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	LV	NT	-4.48	-0.00 6	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	NT	-6.09	-0.00 9	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	HV	NT	-8.48	-0.01 2	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	LV	NT	3.03	0.004	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	NT	8.80	0.013	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	HV	NT	9.51	0.014	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	LV	NT	10.14	0.014	-2.5	2.5	PASS
Band1	5	23035	25	#0	16QAM	NV	NT	8.14	0.012	-2.5	2.5	PASS



2												
Band1 2	5	23035	25	#0	16QAM	HV	NT	6.07	0.009	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	LV	NT	-3.96	-0.006	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	NT	-17.12	-0.024	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	HV	NT	-23.76	-0.034	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	LV	NT	-14.29	-0.020	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	NT	-12.04	-0.017	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	HV	NT	-9.36	-0.013	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	LV	NT	-5.56	-0.008	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	NT	-6.58	-0.009	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	HV	NT	-7.55	-0.011	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	LV	NT	-11.27	-0.016	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	NT	-13.40	-0.019	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	HV	NT	-17.02	-0.024	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	LV	NT	6.37	0.009	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	NT	15.06	0.021	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	HV	NT	16.75	0.024	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	LV	NT	16.14	0.023	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	NT	14.06	0.020	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	HV	NT	12.76	0.018	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	LV	NT	-3.12	-0.004	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	NT	-3.53	-0.005	-2.5	2.5	PASS
Band1	10	23095	50	#0	QPSK	HV	NT	-4.42	-0.00	-2.5	2.5	PASS

2									6			
Band1 2	10	23095	50	#0	16QAM	LV	NT	-5.78	-0.00 8	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	NT	-6.24	-0.00 9	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	HV	NT	-24.1 5	-0.03 4	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	LV	NT	1.02	0.001	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	NT	1.24	0.002	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	HV	NT	0.30	0.000	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	LV	NT	-1.53	-0.00 2	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	NV	NT	-3.06	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	HV	NT	-3.83	-0.00 5	-2.5	2.5	PASS

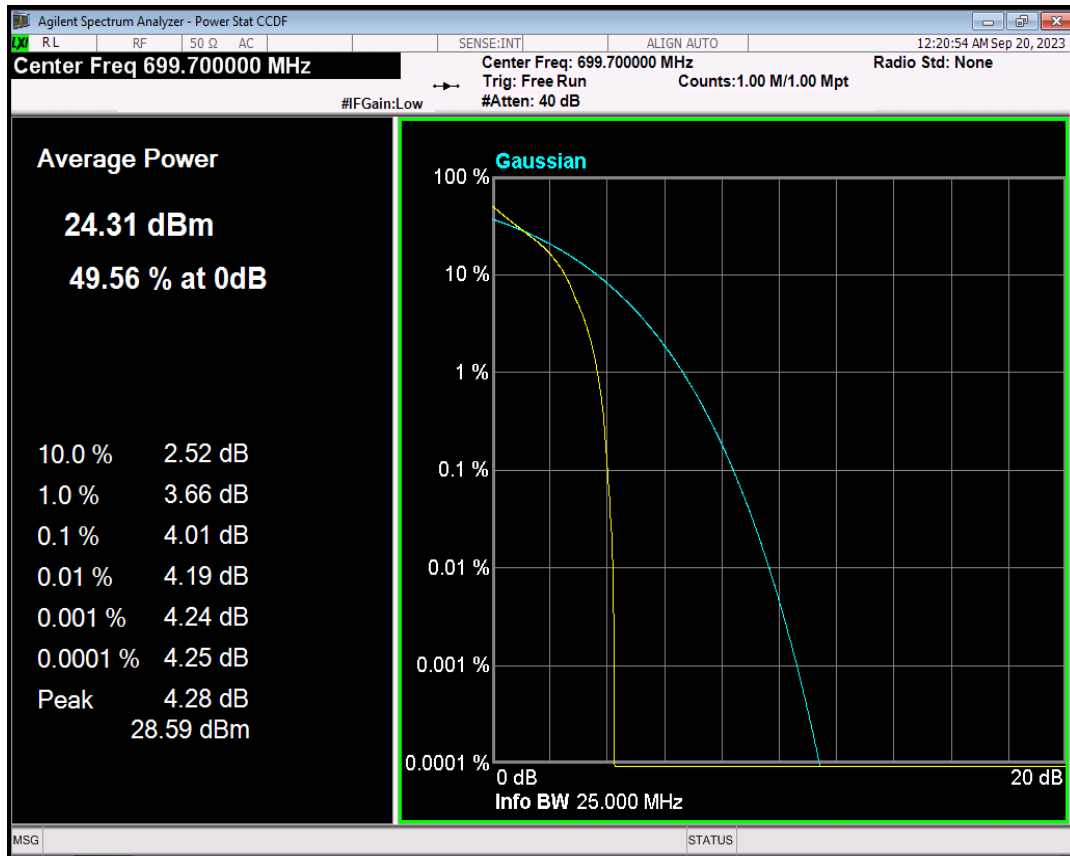


Appendix 3. Peak-to-Average Ratio

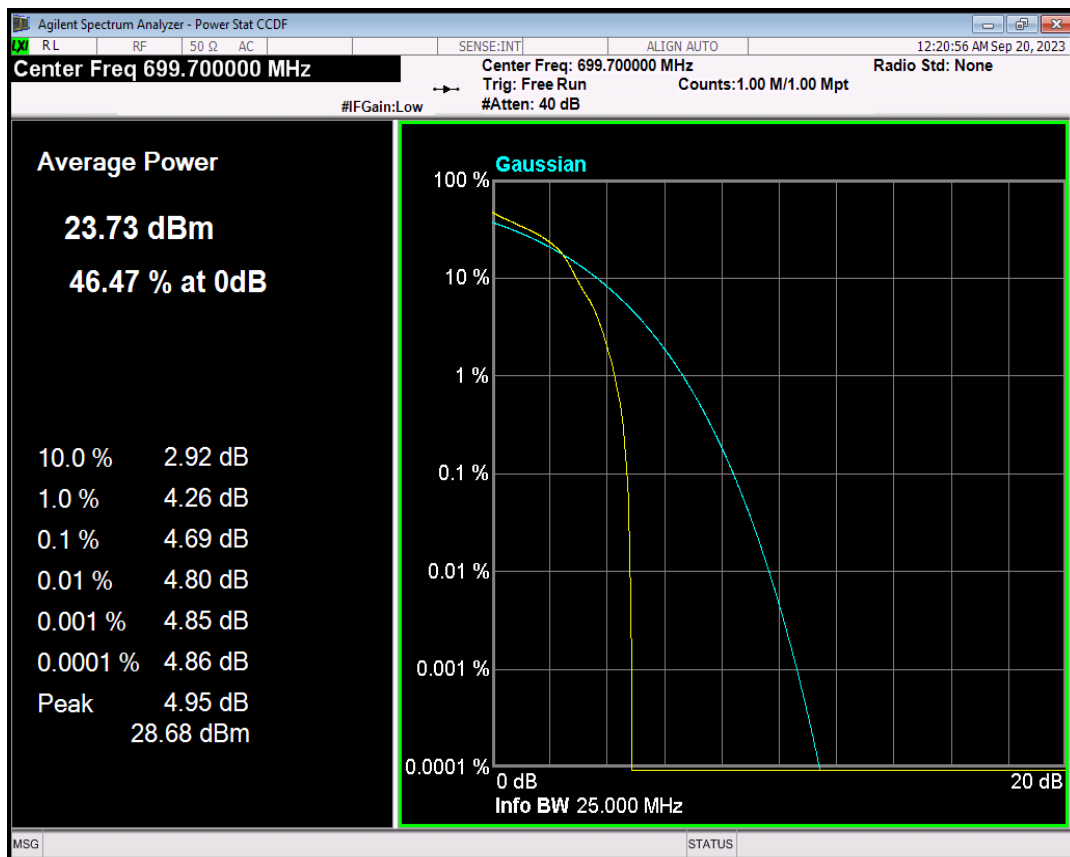
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	4.01	13	PASS
Band12	1.4	23017	1	#0	16QAM	4.69	13	PASS
Band12	1.4	23095	1	#0	QPSK	3.40	13	PASS
Band12	1.4	23095	1	#0	16QAM	4.17	13	PASS
Band12	1.4	23173	1	#0	QPSK	2.49	13	PASS
Band12	1.4	23173	1	#0	16QAM	3.71	13	PASS
Band12	3	23025	1	#0	QPSK	4.07	13	PASS
Band12	3	23025	1	#0	16QAM	4.94	13	PASS
Band12	3	23095	1	#0	QPSK	4.33	13	PASS
Band12	3	23095	1	#0	16QAM	4.85	13	PASS
Band12	3	23165	1	#0	QPSK	3.37	13	PASS
Band12	3	23165	1	#0	16QAM	4.38	13	PASS
Band12	5	23035	1	#0	QPSK	4.14	13	PASS
Band12	5	23035	1	#0	16QAM	5.31	13	PASS
Band12	5	23095	1	#0	QPSK	4.96	13	PASS
Band12	5	23095	1	#0	16QAM	5.72	13	PASS
Band12	5	23155	1	#0	QPSK	2.29	13	PASS
Band12	5	23155	1	#0	16QAM	3.22	13	PASS
Band12	10	23060	1	#0	QPSK	4.12	13	PASS
Band12	10	23060	1	#0	16QAM	5.24	13	PASS
Band12	10	23095	1	#0	QPSK	5.08	13	PASS
Band12	10	23095	1	#0	16QAM	6.11	13	PASS
Band12	10	23130	1	#0	QPSK	3.93	13	PASS
Band12	10	23130	1	#0	16QAM	5.13	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

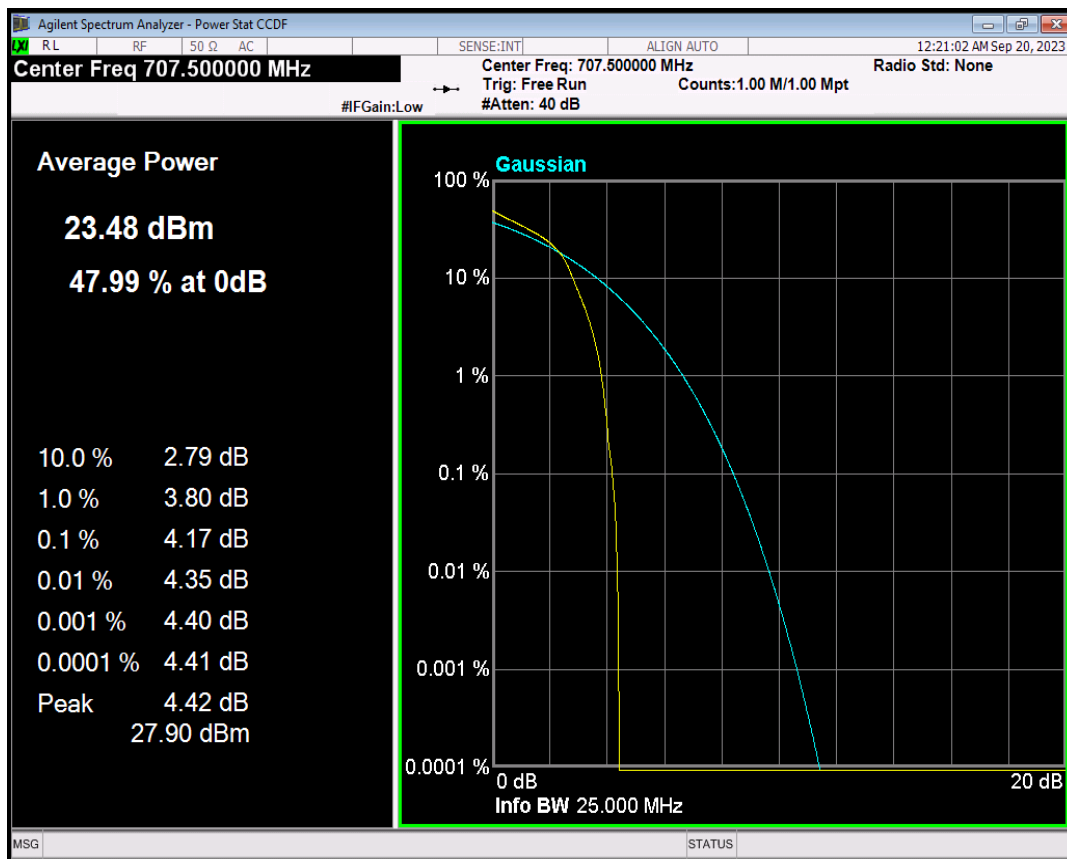




Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0

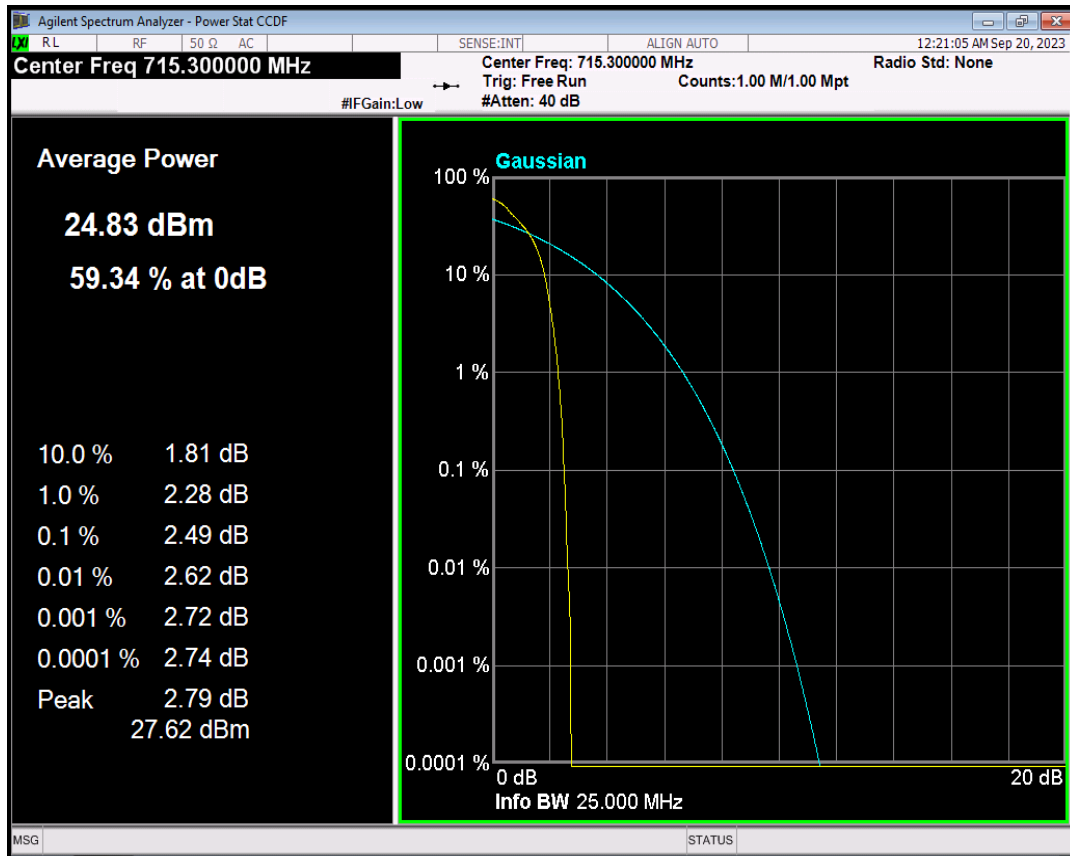


Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0

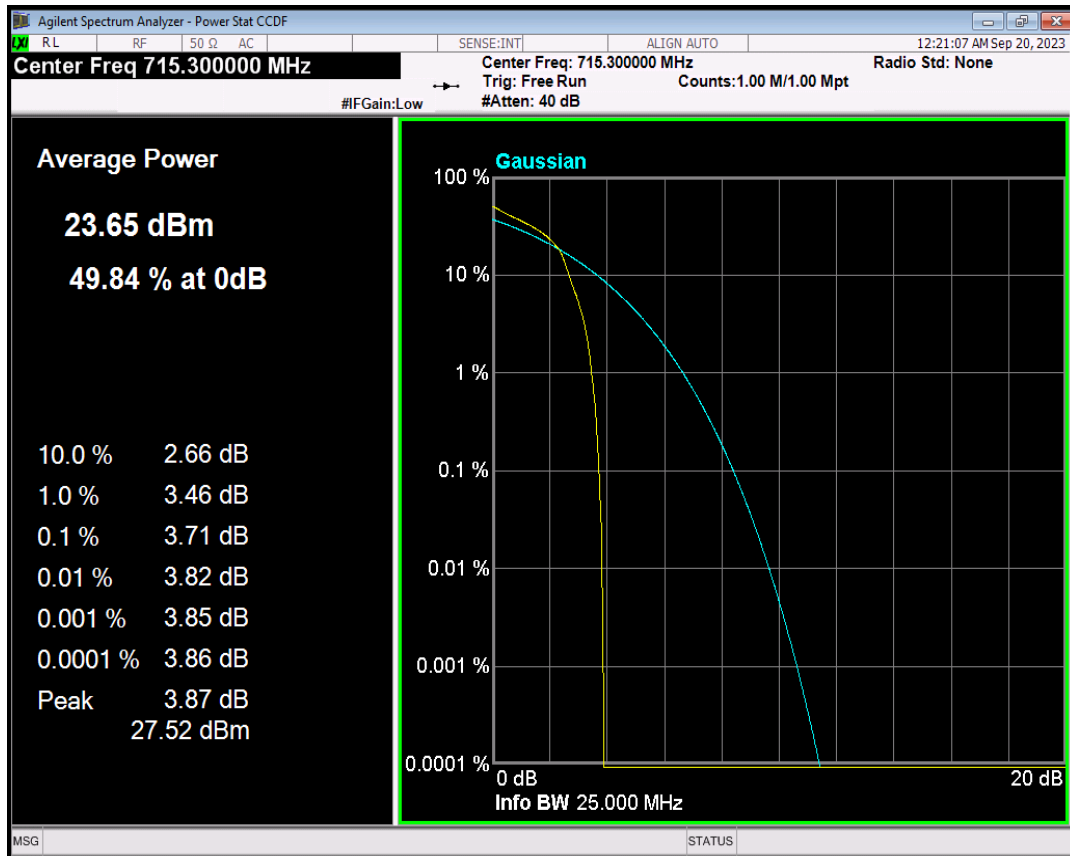




Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0

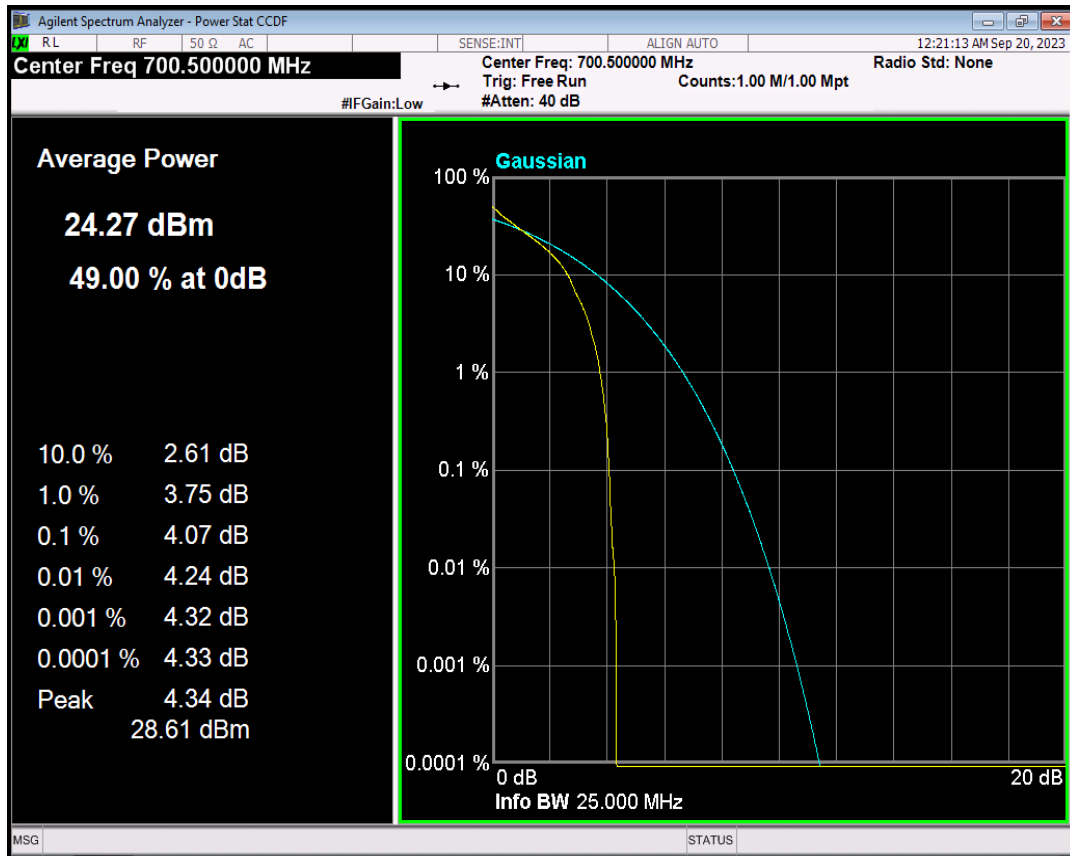


Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0

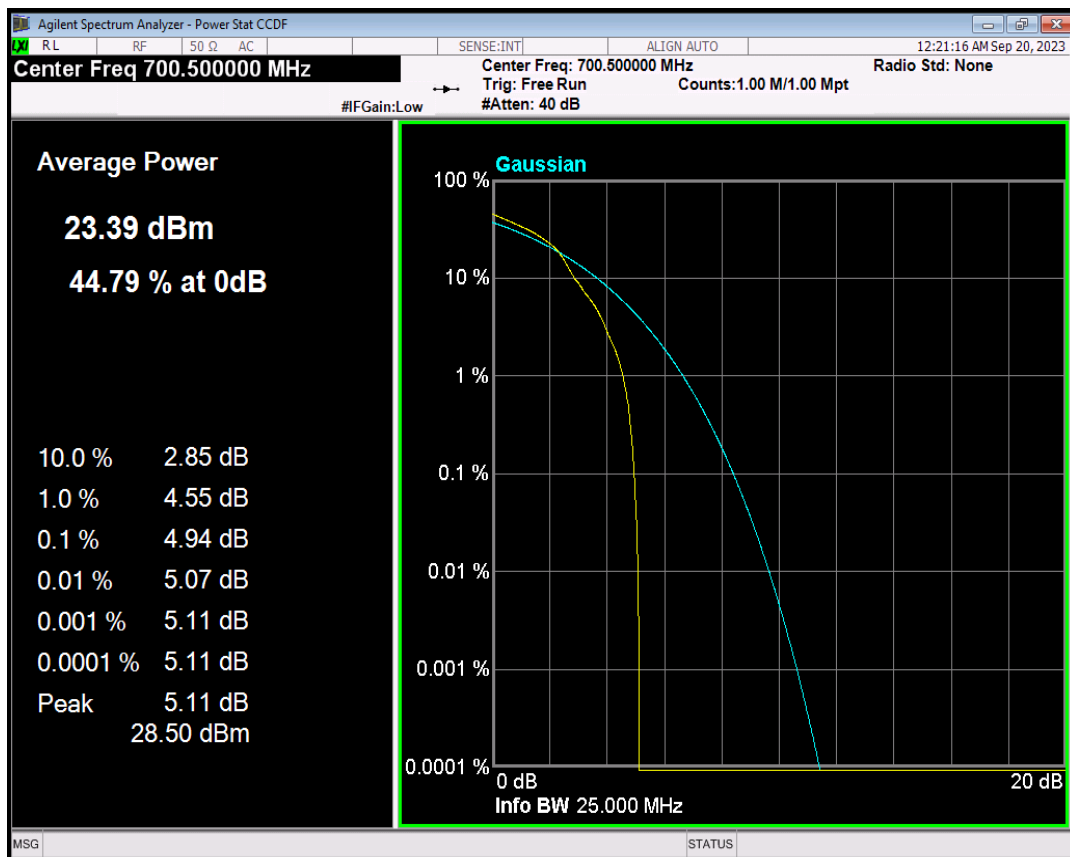




Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0

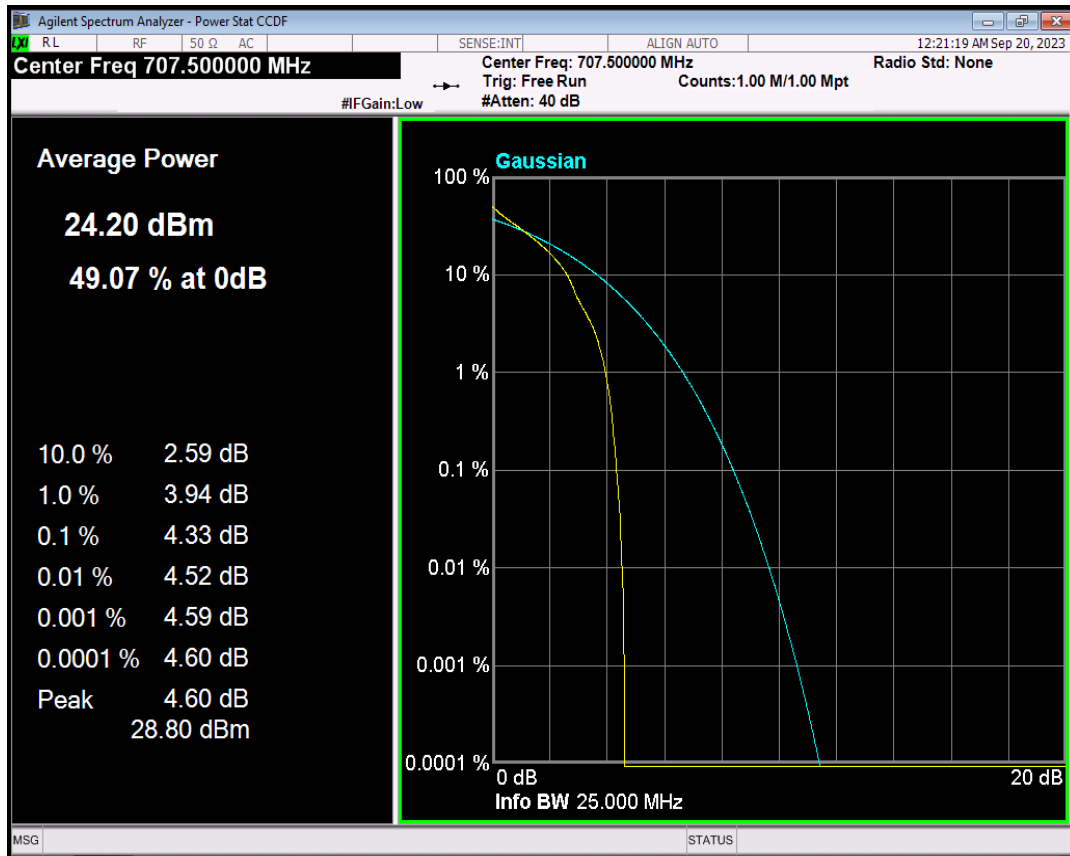


Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0

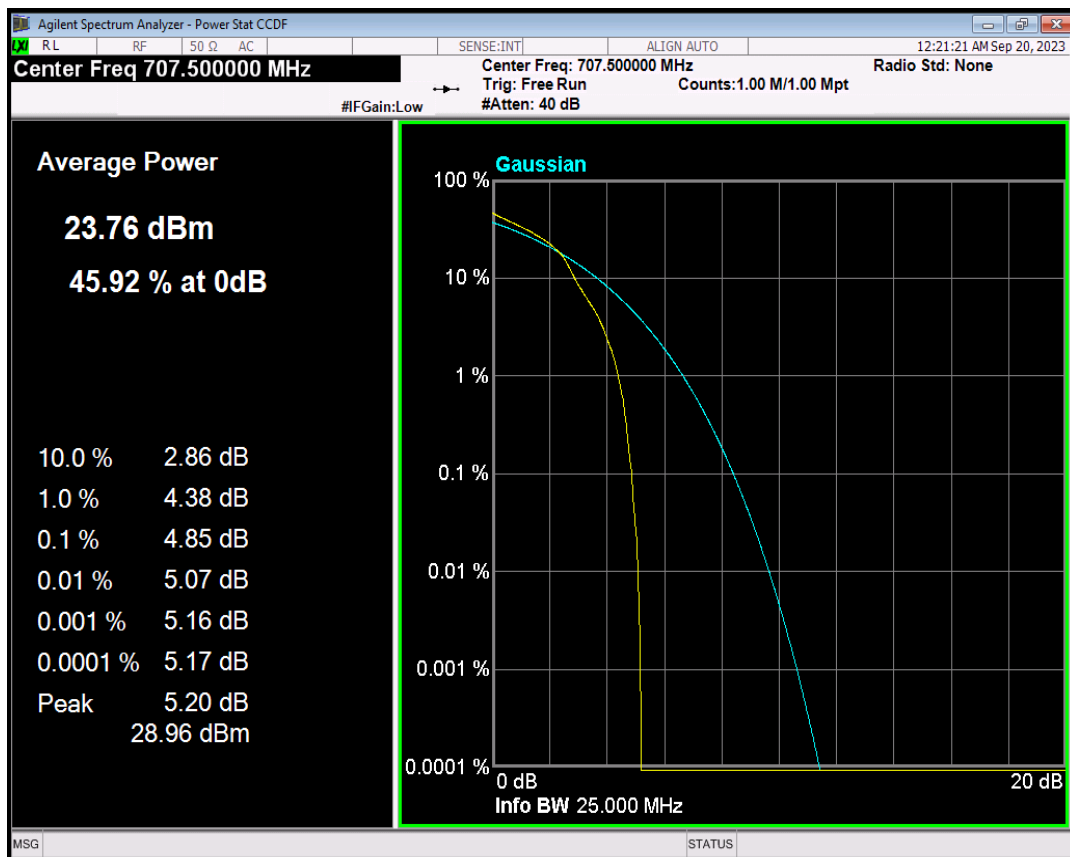




Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0

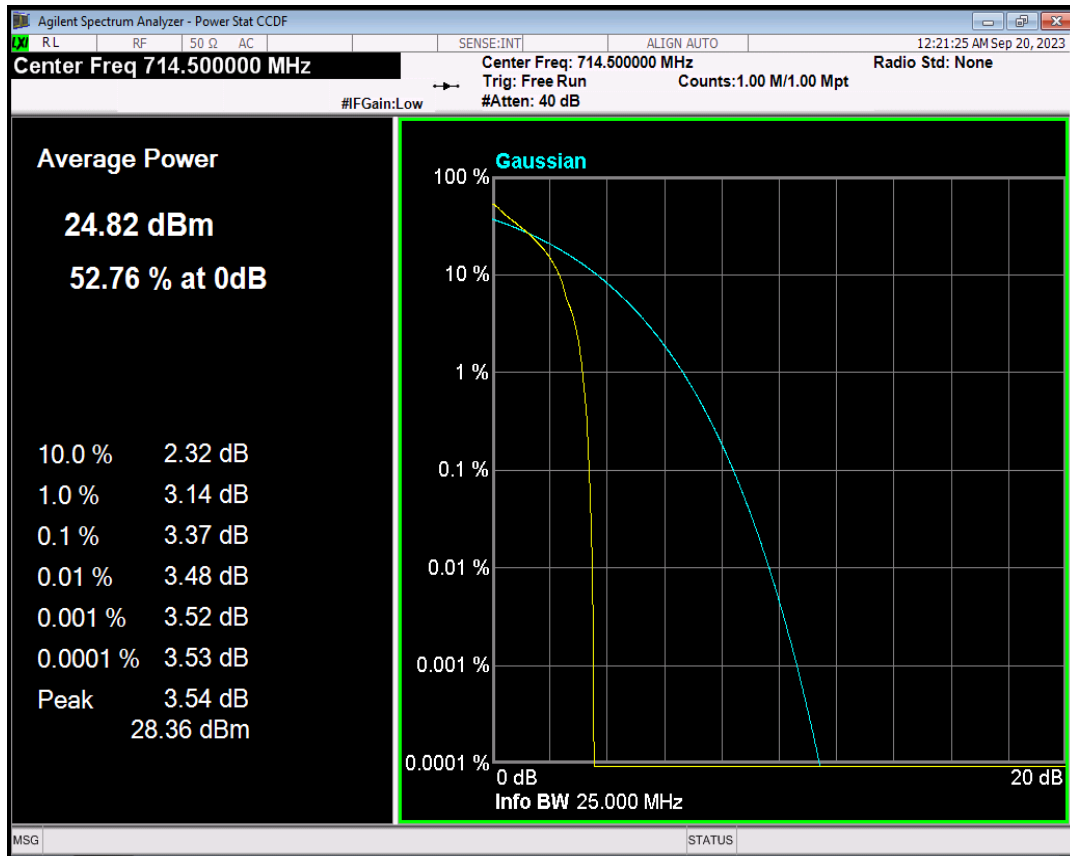


Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0

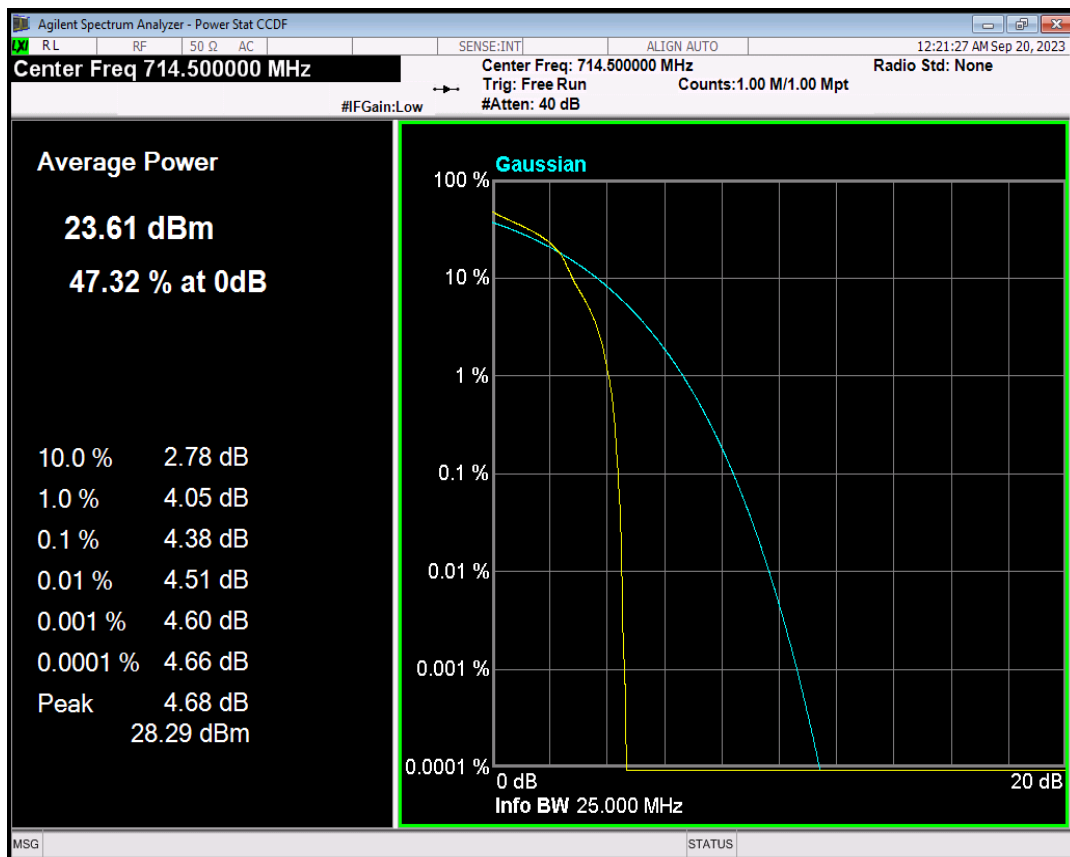




Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0

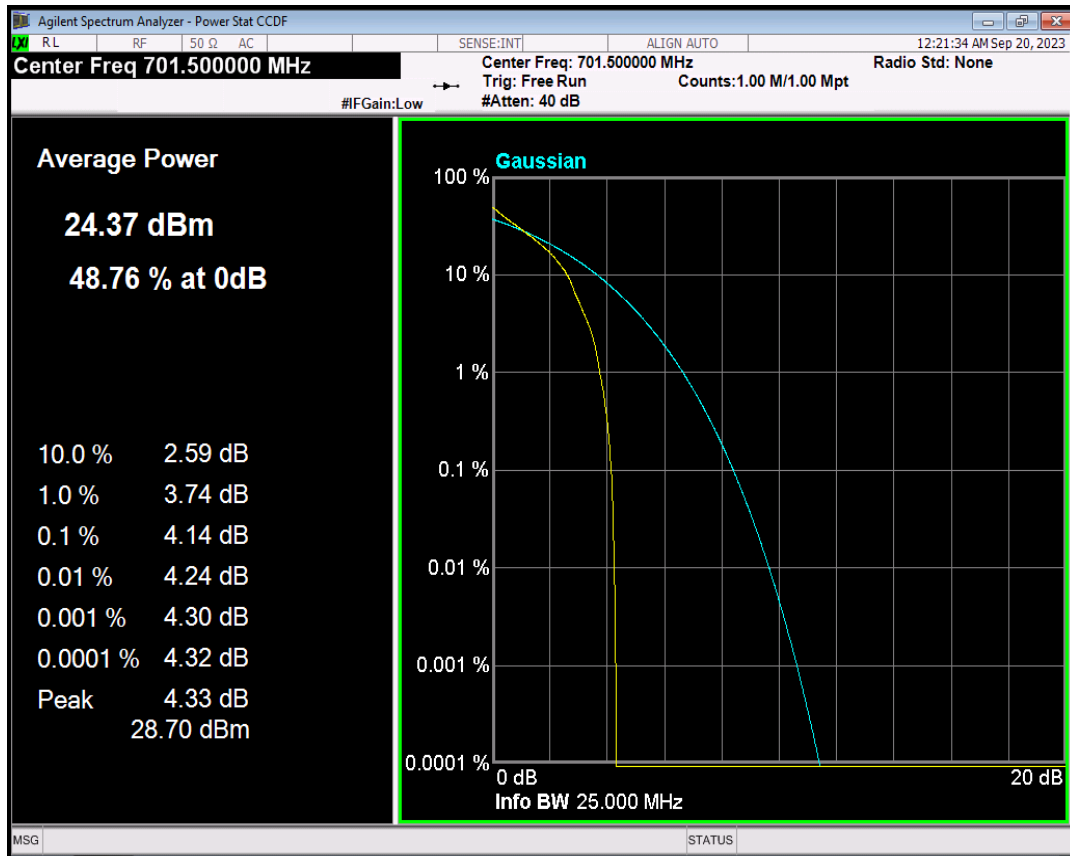


Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0

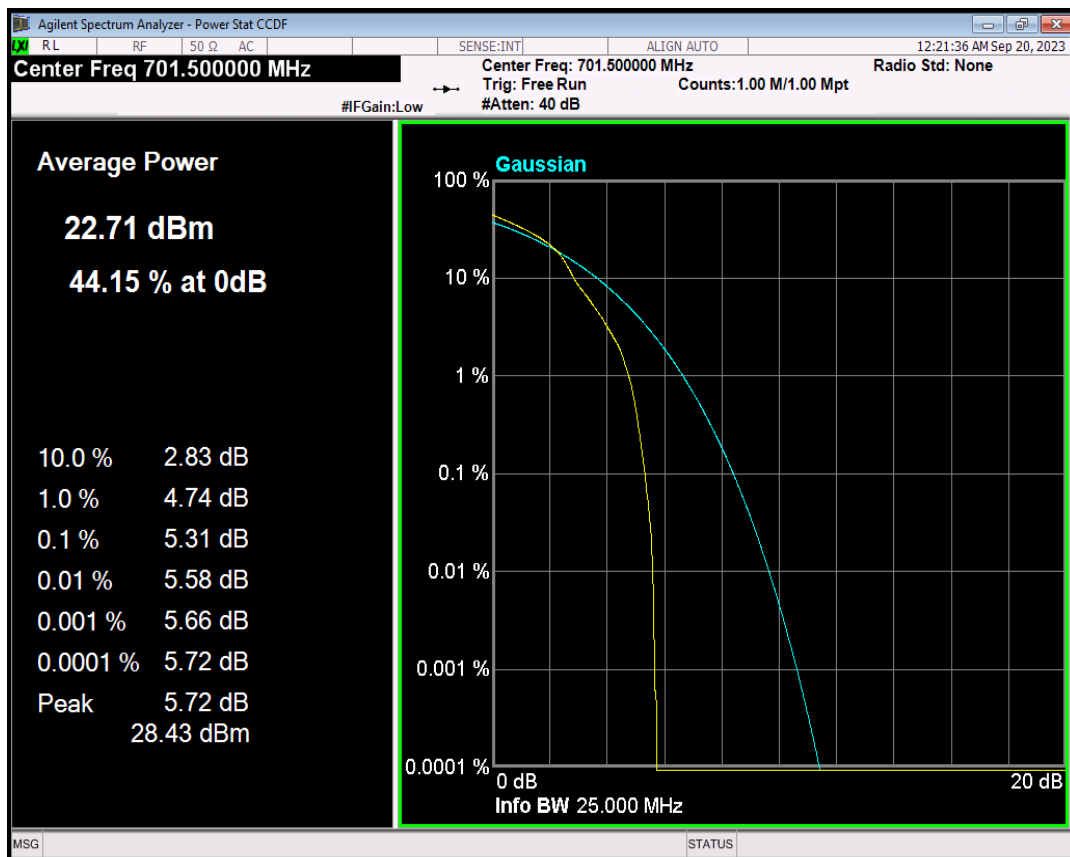




Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0

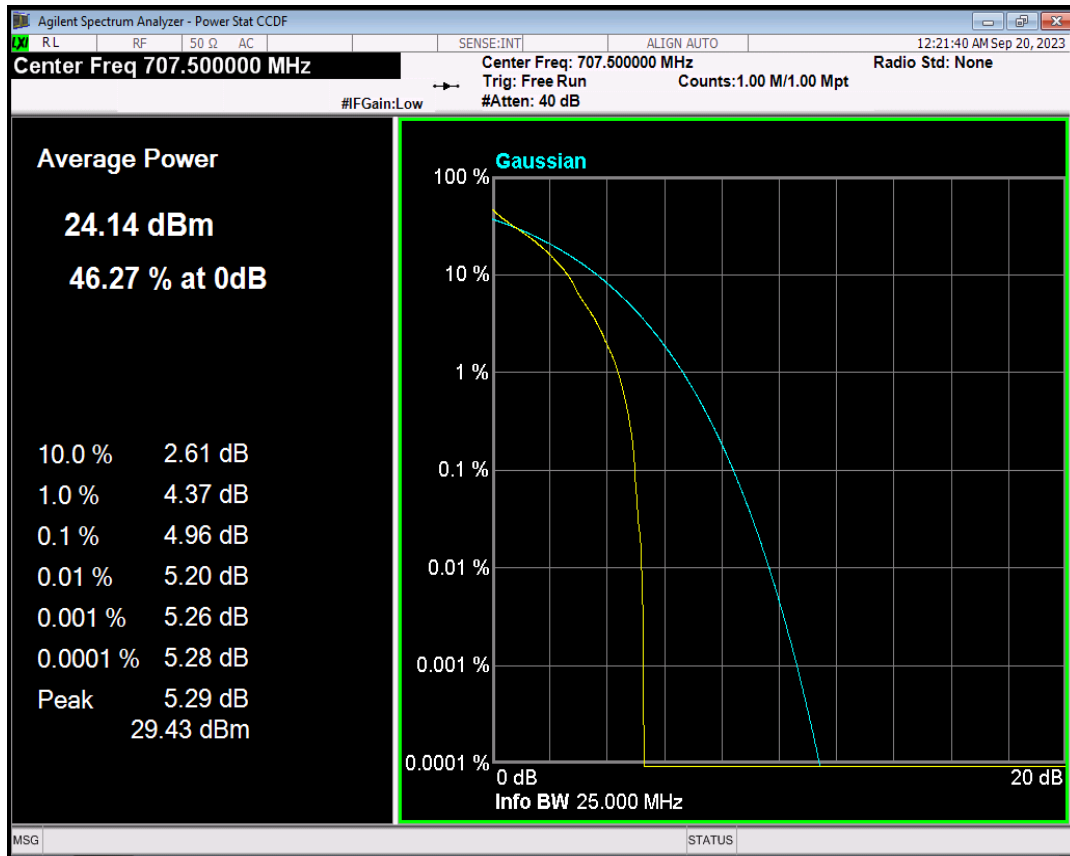


Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0

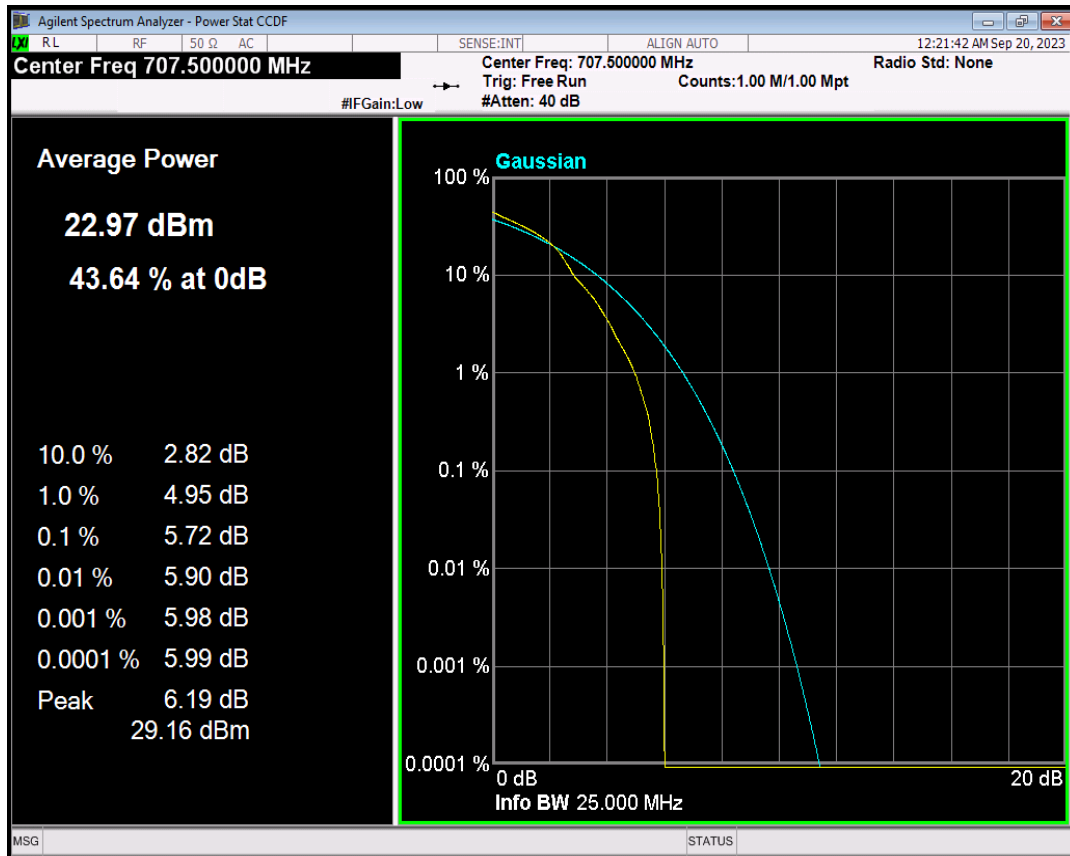




Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0

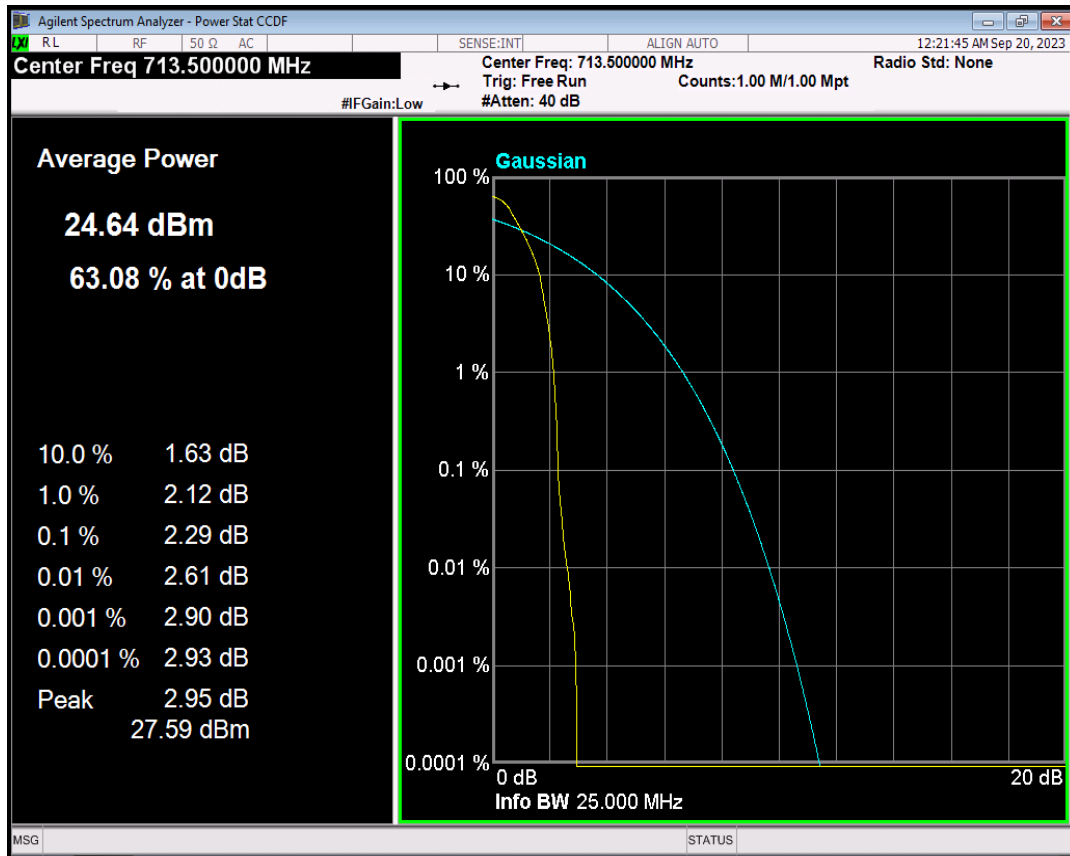


Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0

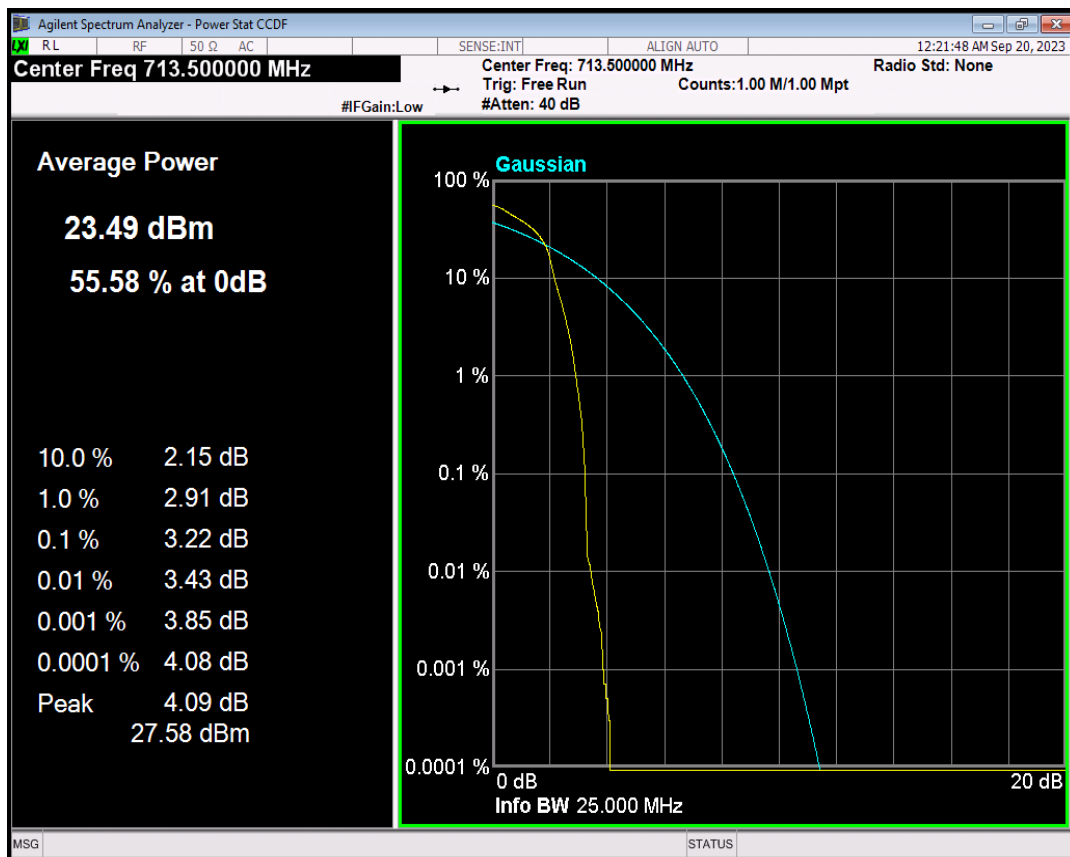




Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0

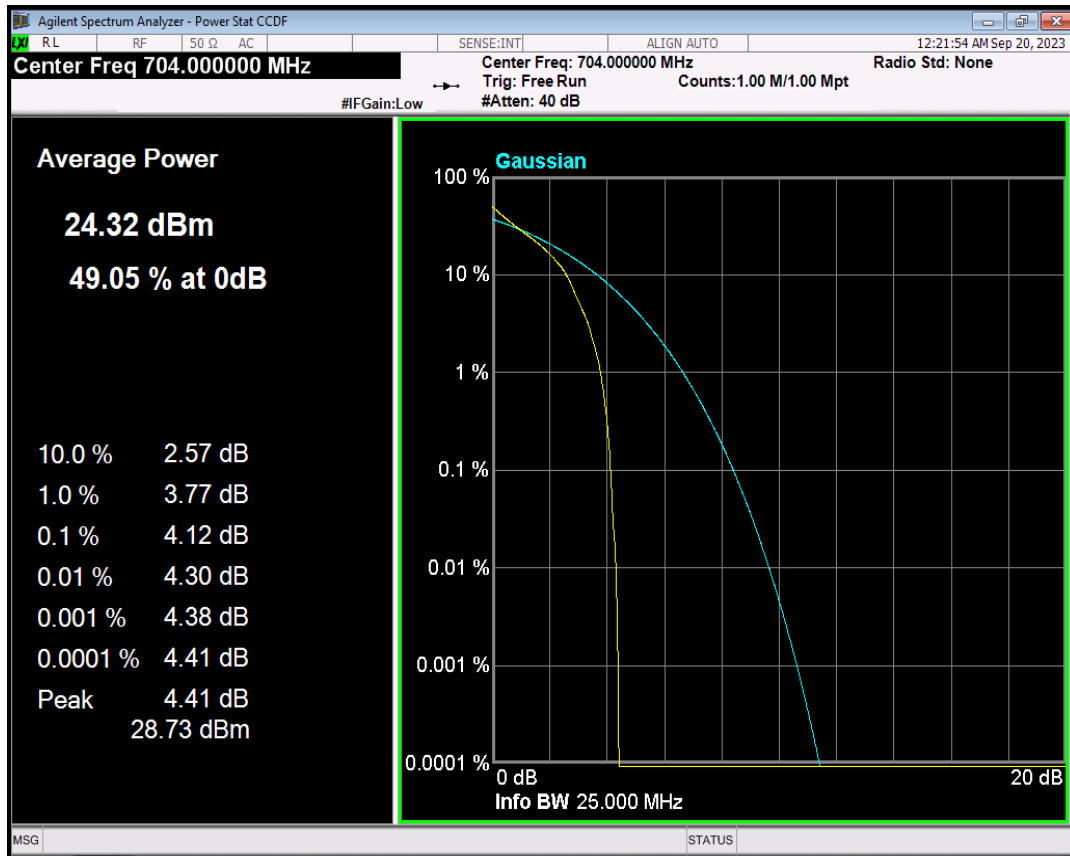


Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0

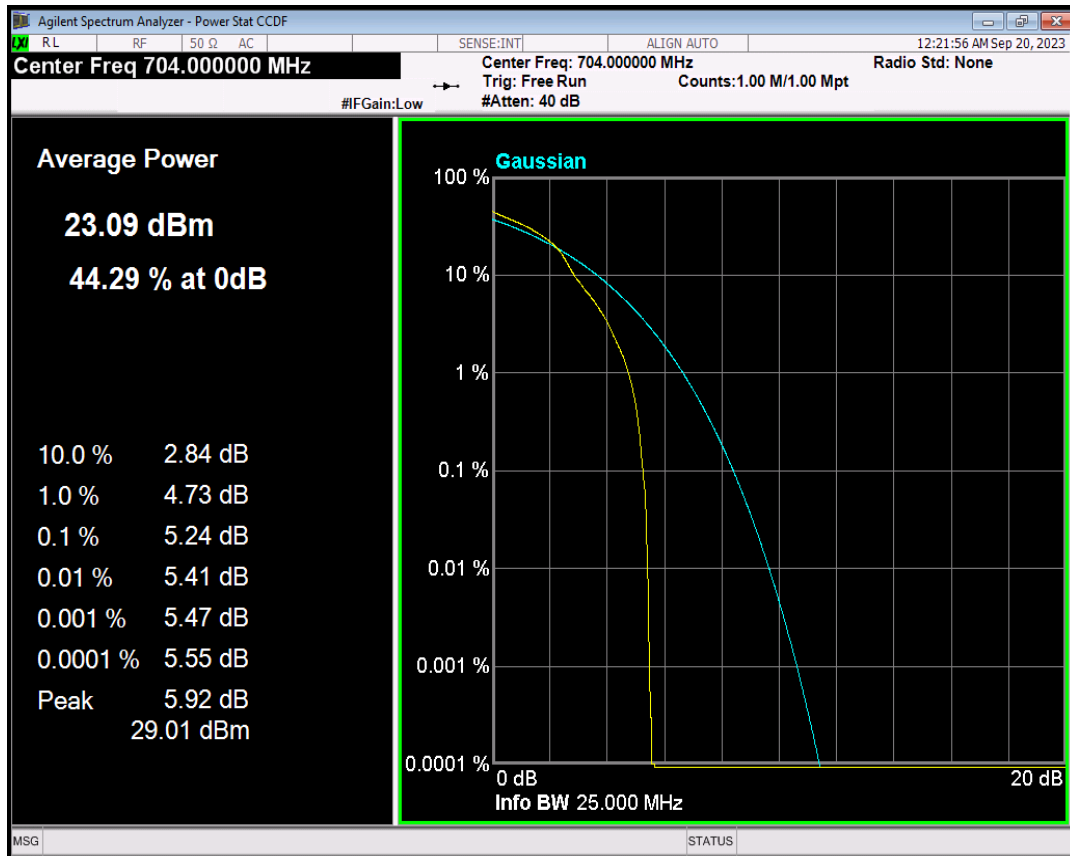




Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0

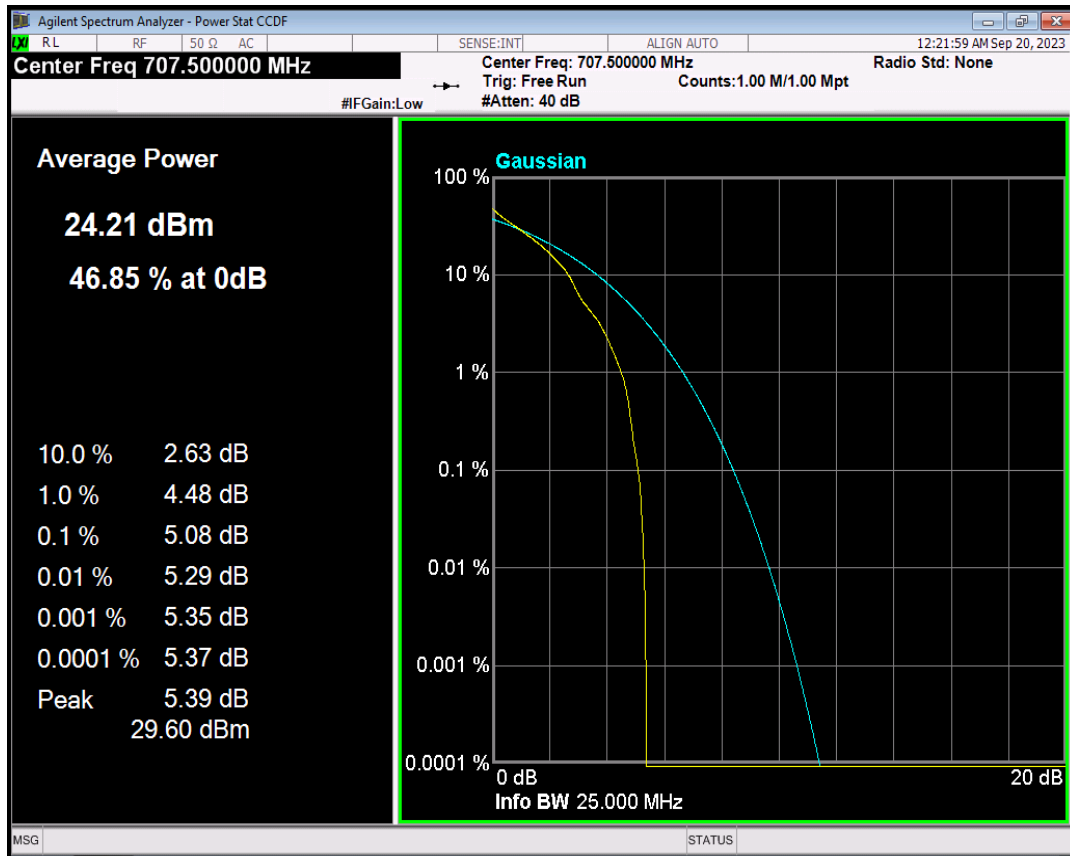


Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0

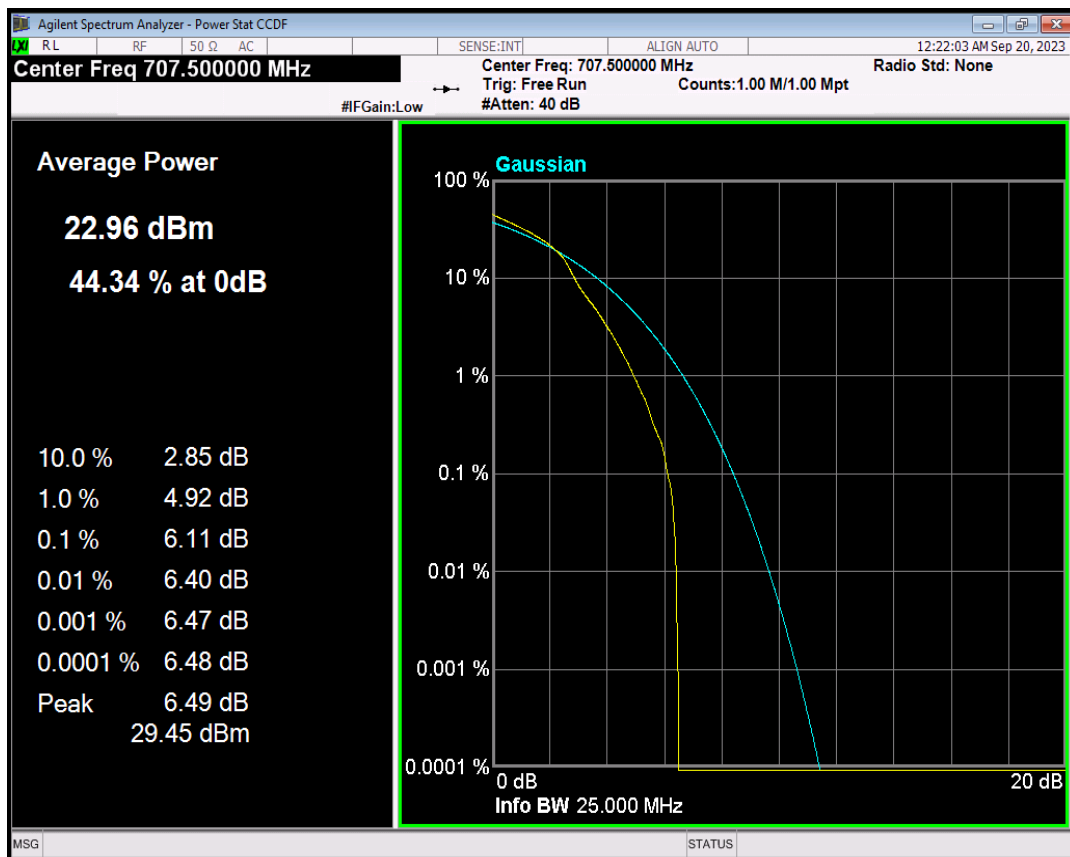




Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0

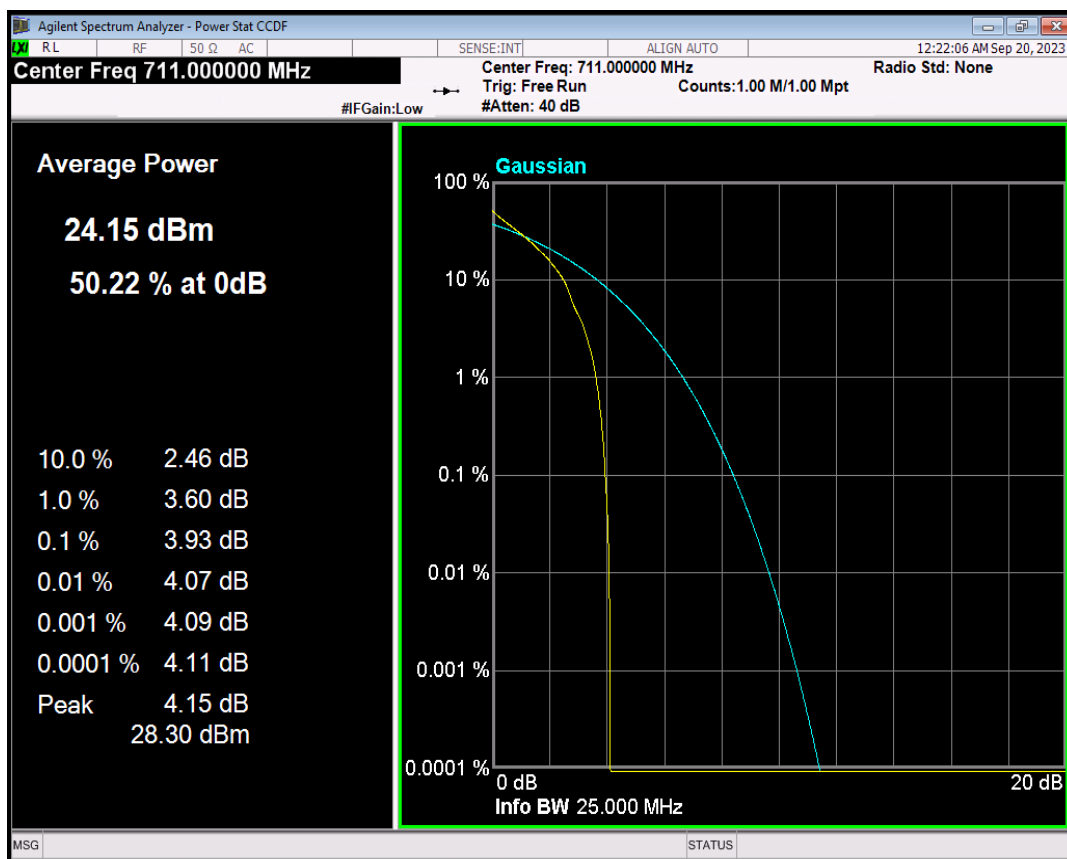


Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0

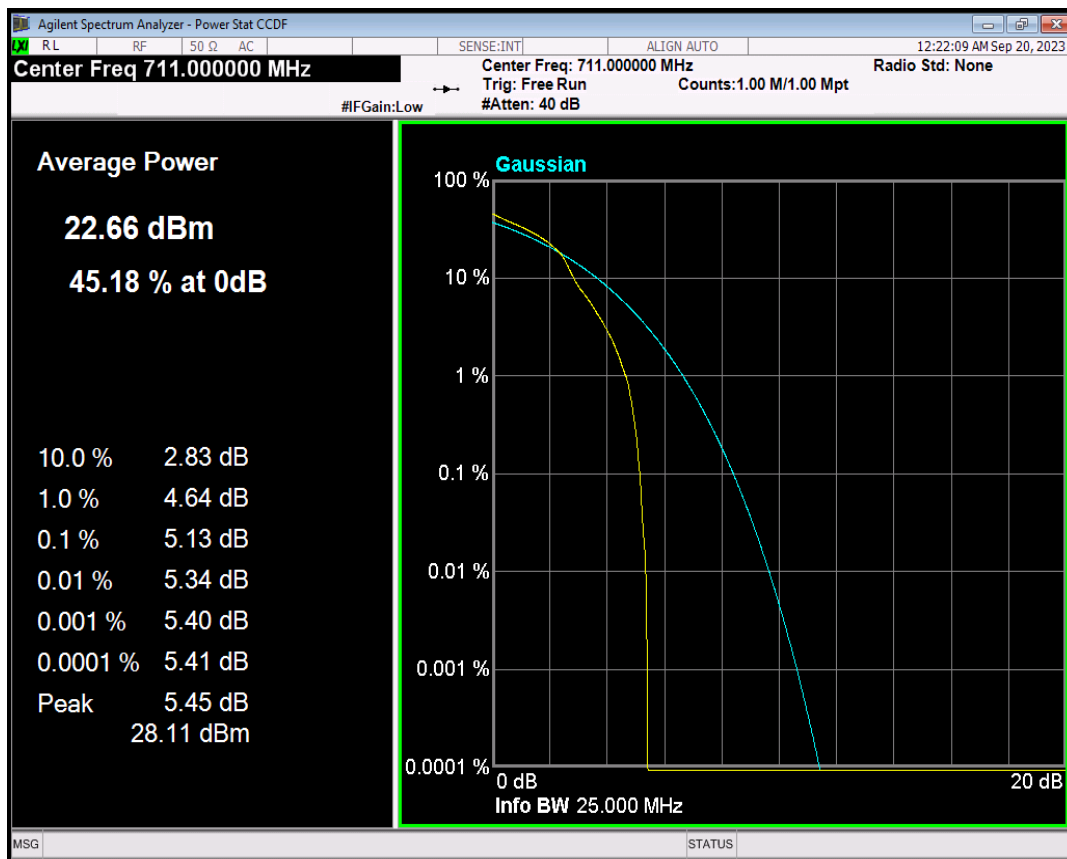




Band12 QPSK BW=10MHz Channel=23130 RB Size=1 Position=#0



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

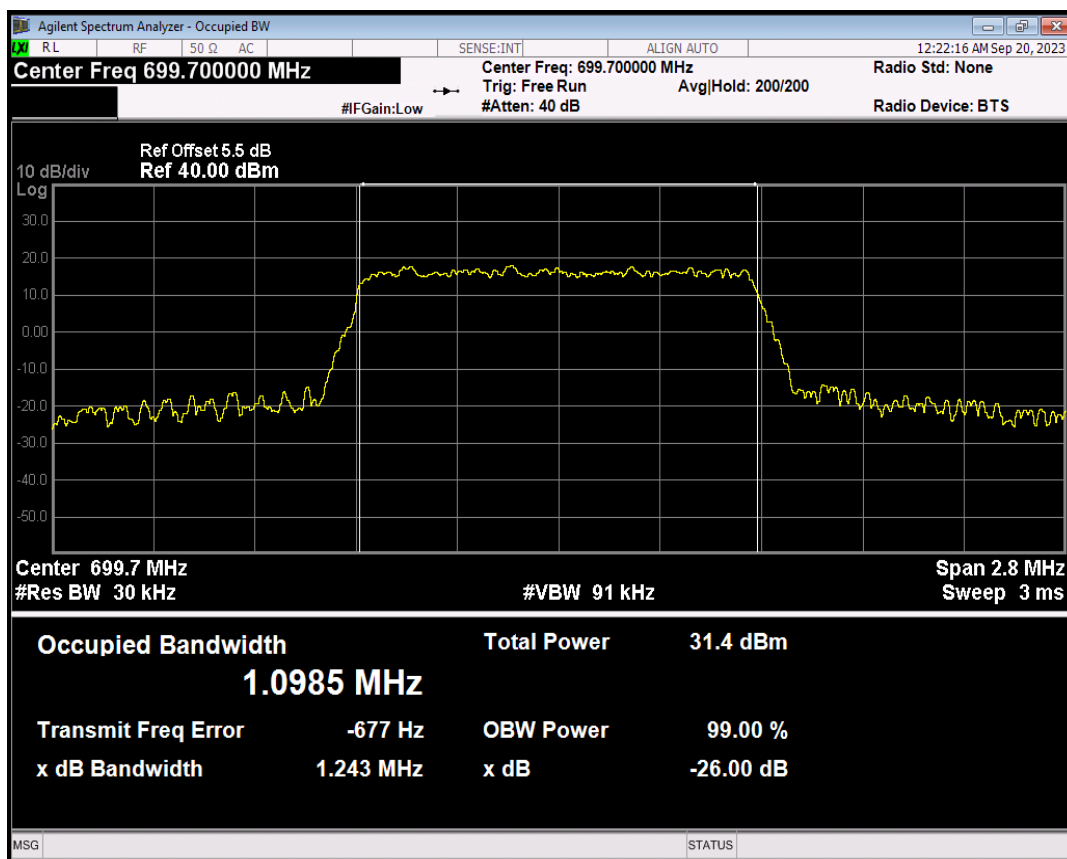


Appendix 4. Occupied bandwidth

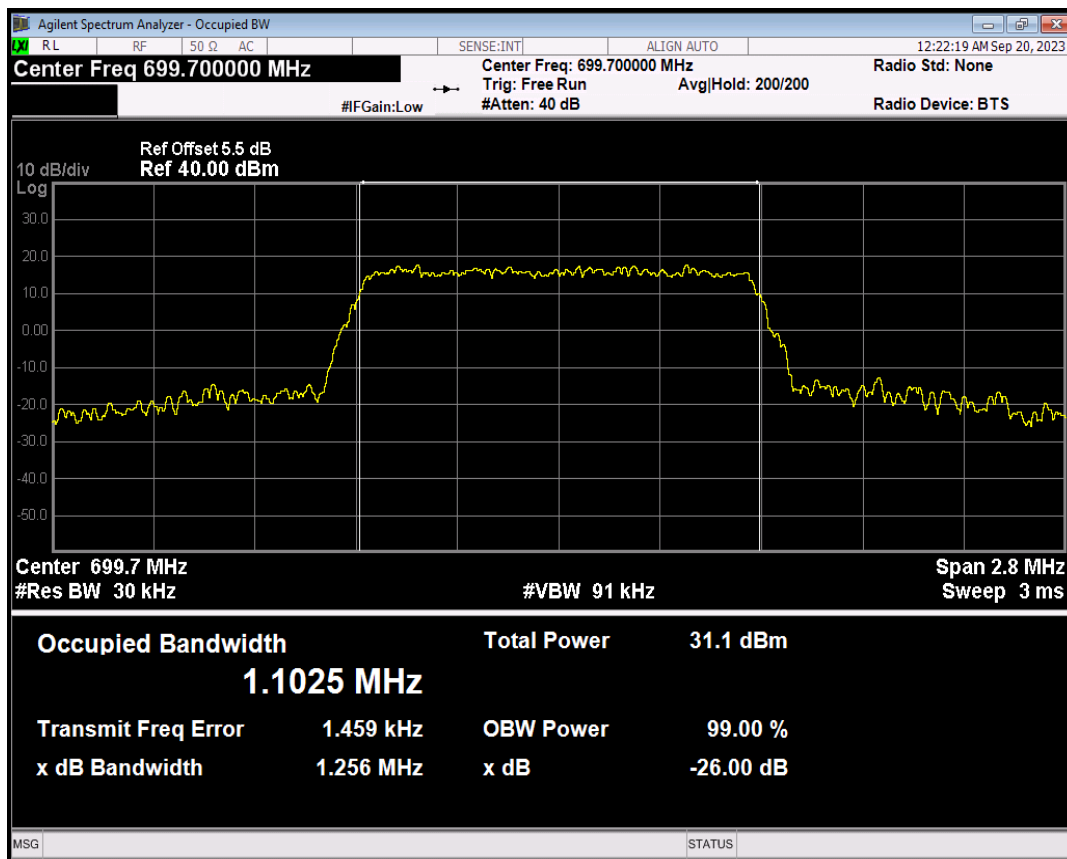
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.098	1.243	PASS
Band12	1.4	23017	6	#0	16QAM	1.102	1.256	PASS
Band12	1.4	23095	6	#0	QPSK	1.100	1.260	PASS
Band12	1.4	23095	6	#0	16QAM	1.098	1.249	PASS
Band12	1.4	23173	6	#0	QPSK	1.113	1.677	PASS
Band12	1.4	23173	6	#0	16QAM	1.103	1.254	PASS
Band12	3	23025	15	#0	QPSK	2.699	3.027	PASS
Band12	3	23025	15	#0	16QAM	2.702	3.007	PASS
Band12	3	23095	15	#0	QPSK	2.700	3.060	PASS
Band12	3	23095	15	#0	16QAM	2.702	3.036	PASS
Band12	3	23165	15	#0	QPSK	2.718	3.042	PASS
Band12	3	23165	15	#0	16QAM	2.713	3.054	PASS
Band12	5	23035	25	#0	QPSK	4.510	4.925	PASS
Band12	5	23035	25	#0	16QAM	4.491	4.919	PASS
Band12	5	23095	25	#0	QPSK	4.519	4.953	PASS
Band12	5	23095	25	#0	16QAM	4.519	4.941	PASS
Band12	5	23155	25	#0	QPSK	4.525	4.971	PASS
Band12	5	23155	25	#0	16QAM	4.538	6.580	PASS
Band12	10	23060	50	#0	QPSK	9.006	9.771	PASS
Band12	10	23060	50	#0	16QAM	9.003	9.754	PASS
Band12	10	23095	50	#0	QPSK	8.979	9.825	PASS
Band12	10	23095	50	#0	16QAM	8.983	9.899	PASS
Band12	10	23130	50	#0	QPSK	9.044	11.259	PASS
Band12	10	23130	50	#0	16QAM	9.040	9.971	PASS



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

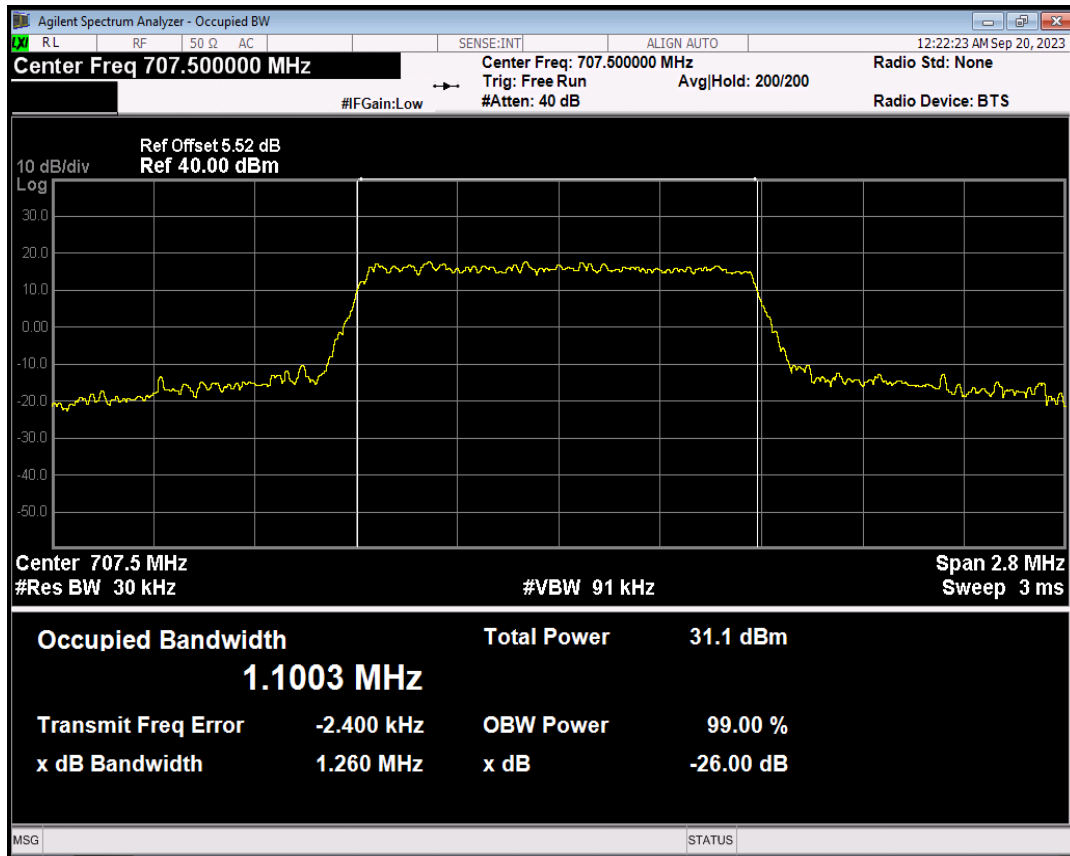


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0

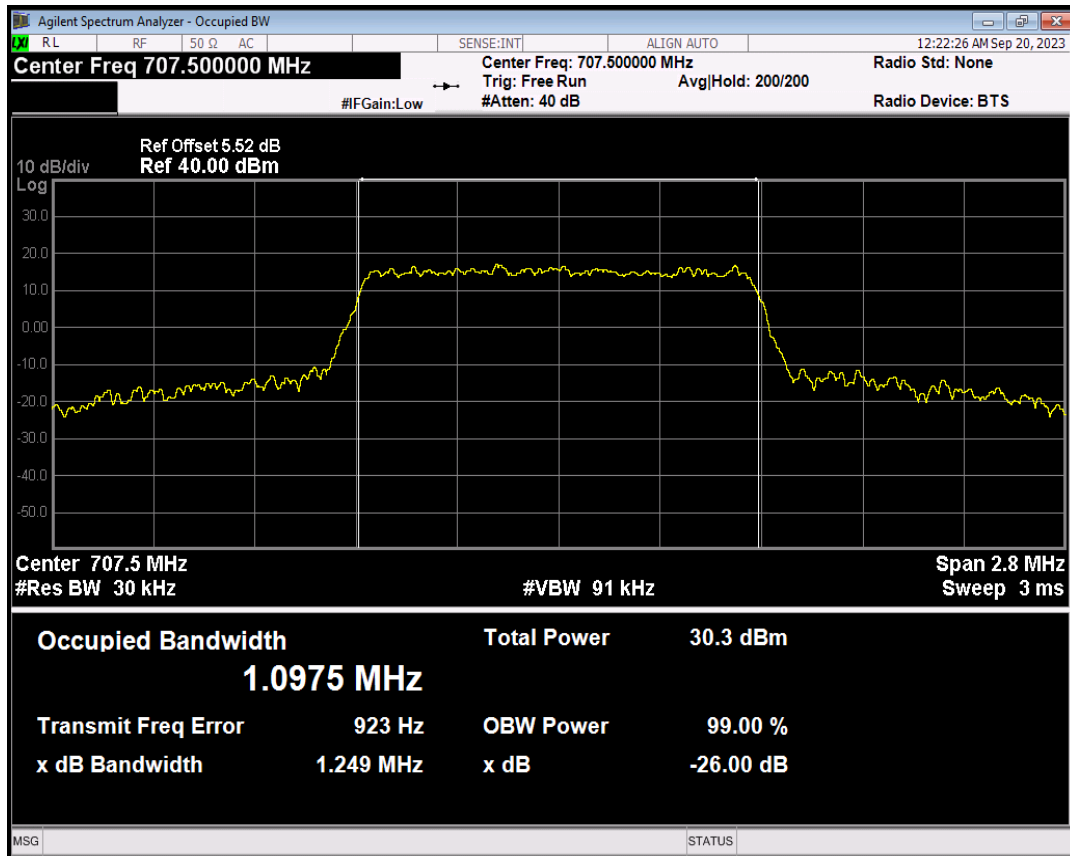




Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0

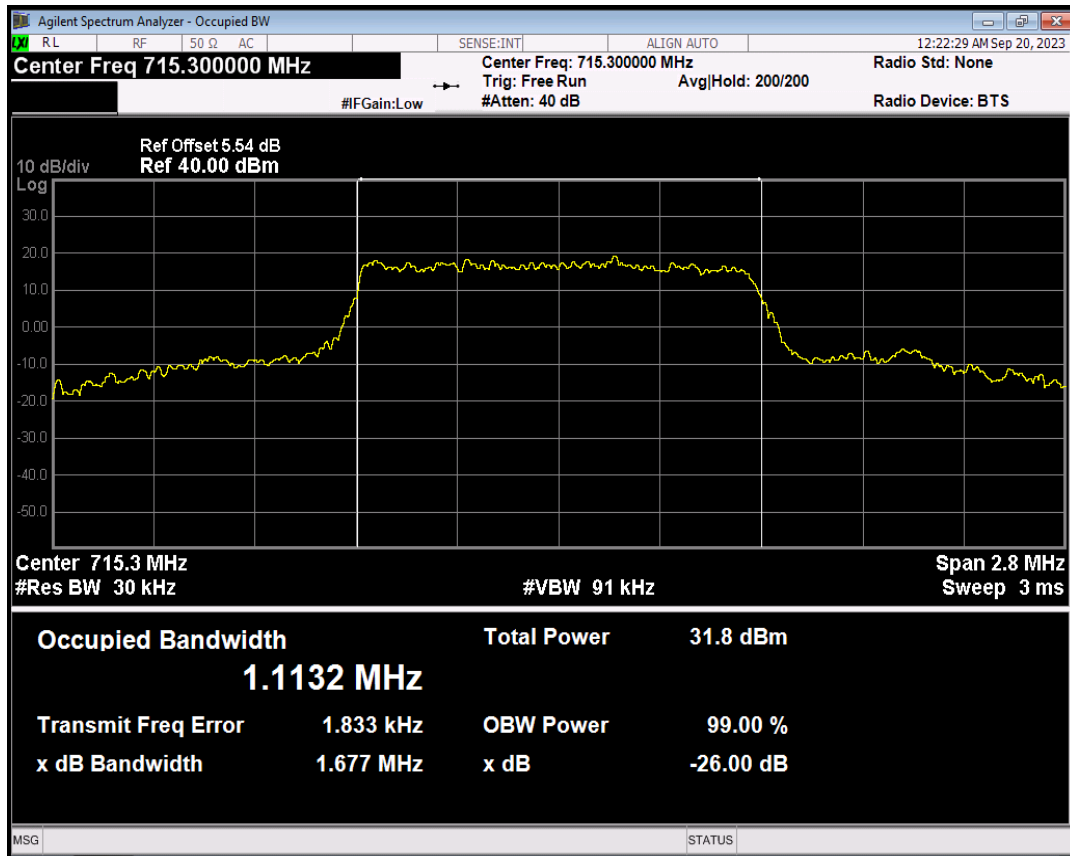


Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0

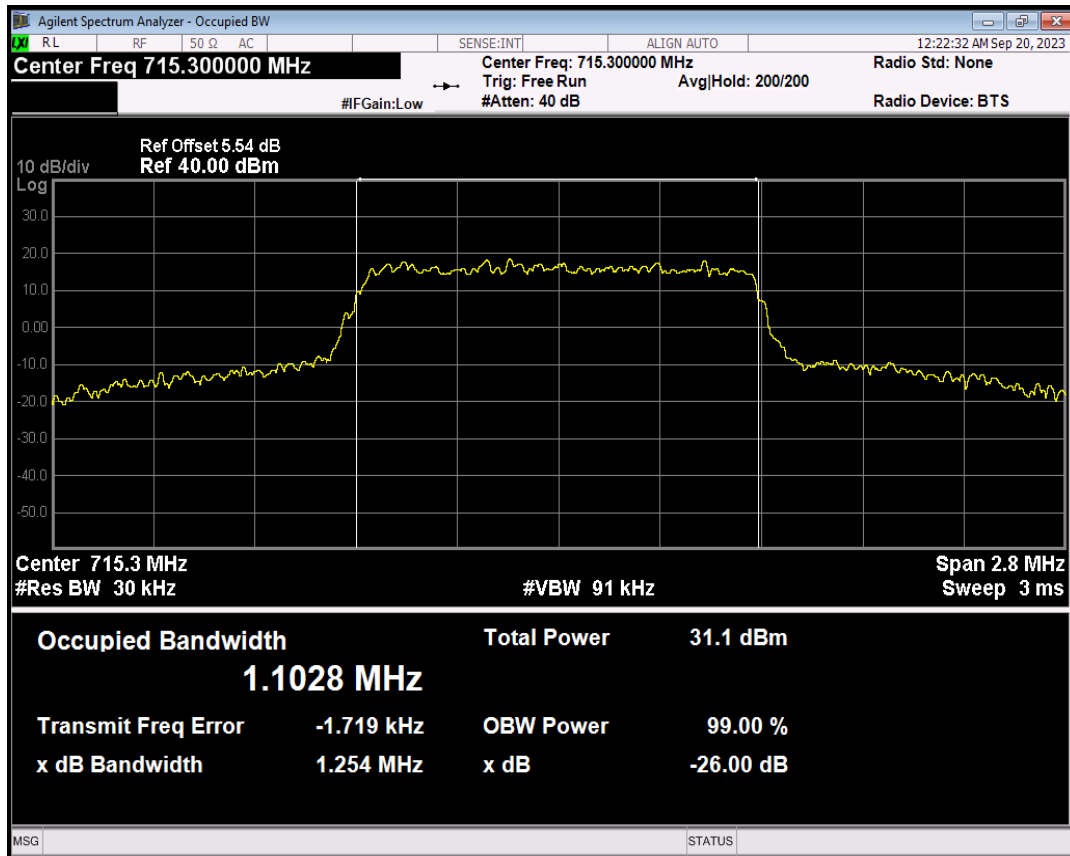




Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0

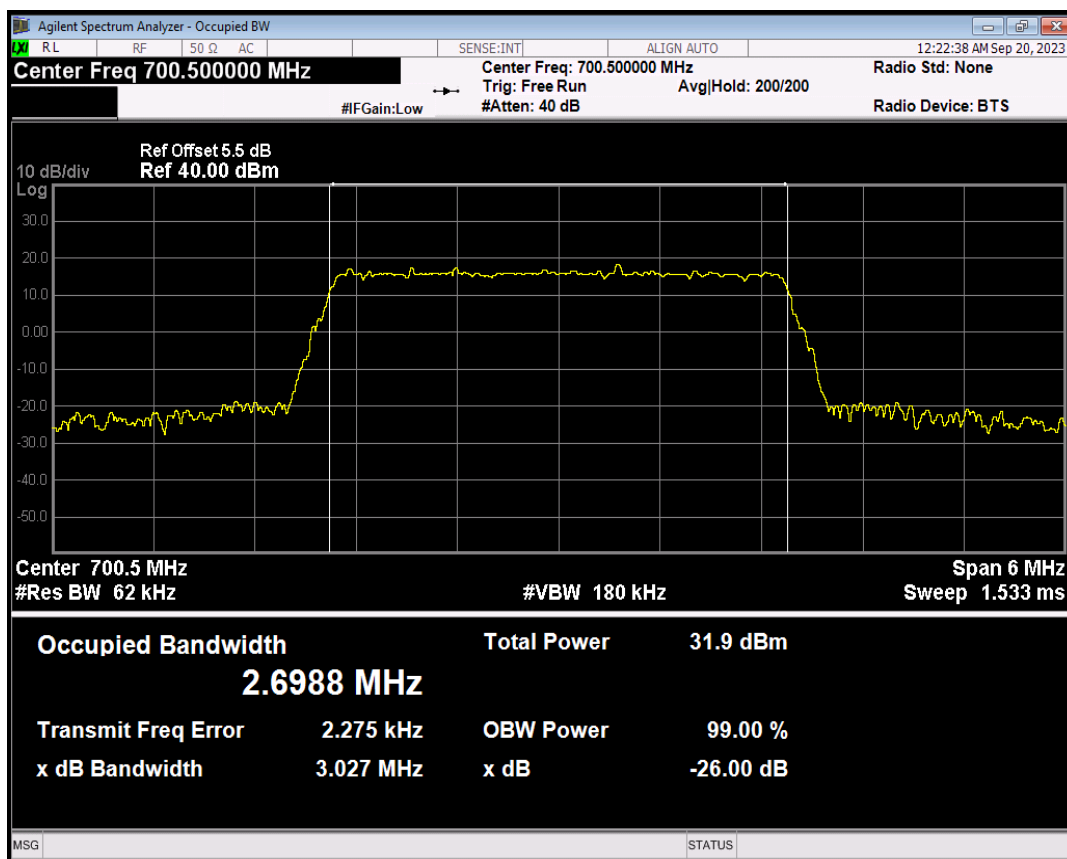


Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0

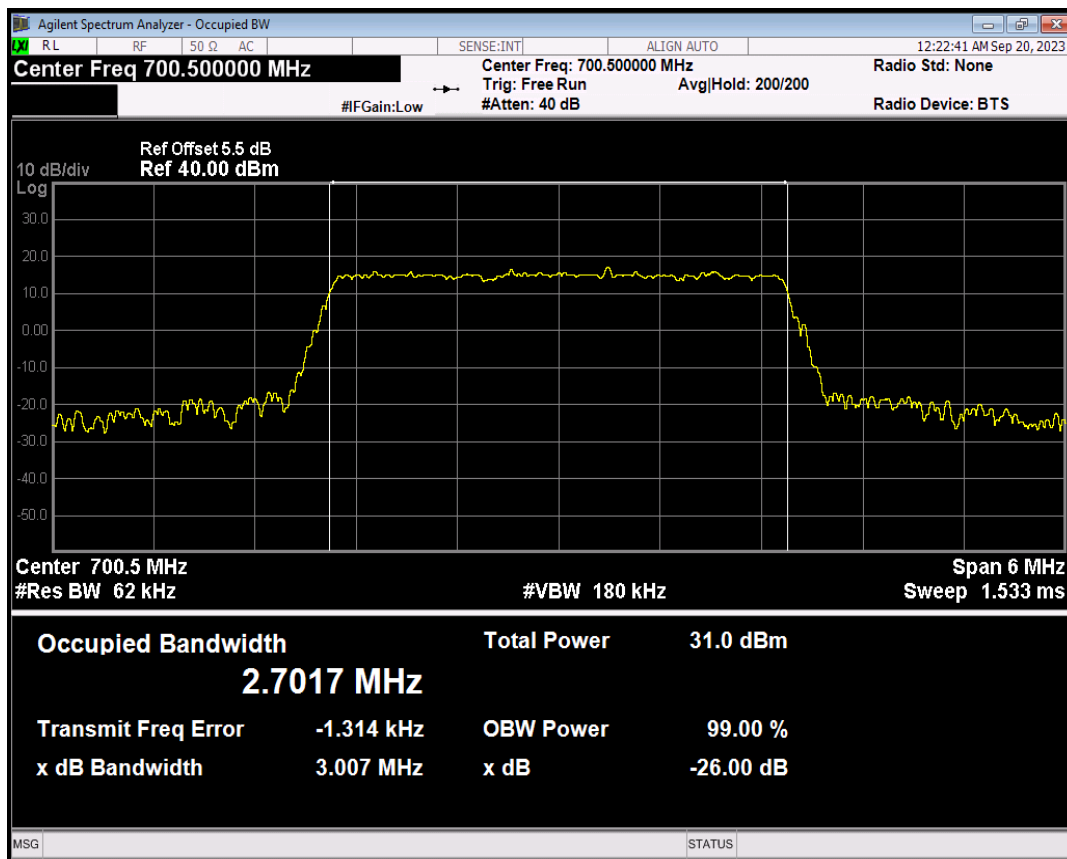




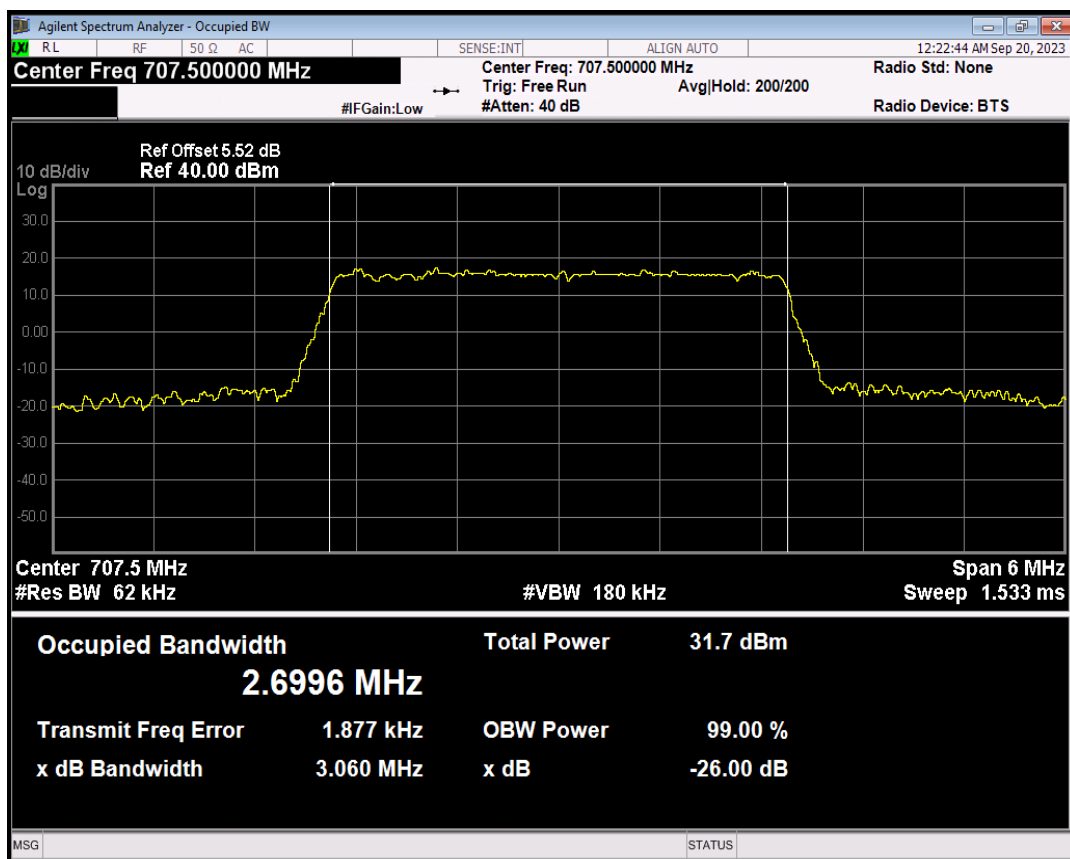
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



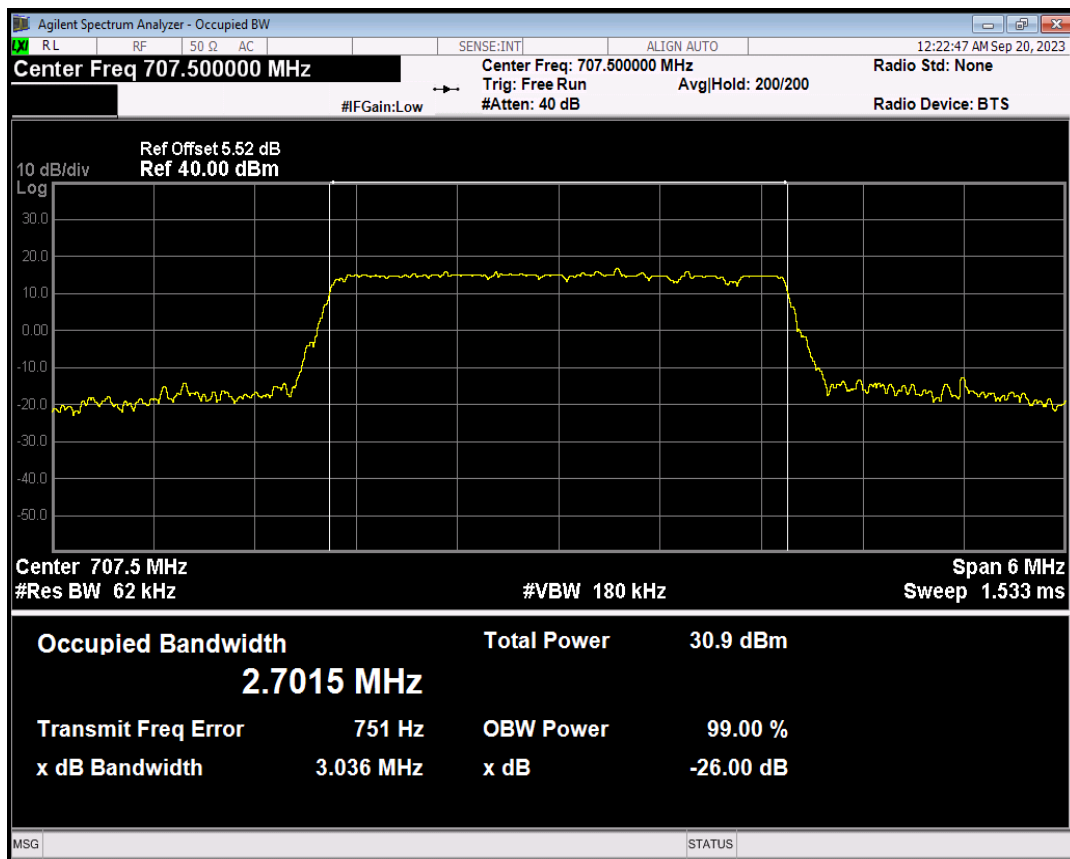
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



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

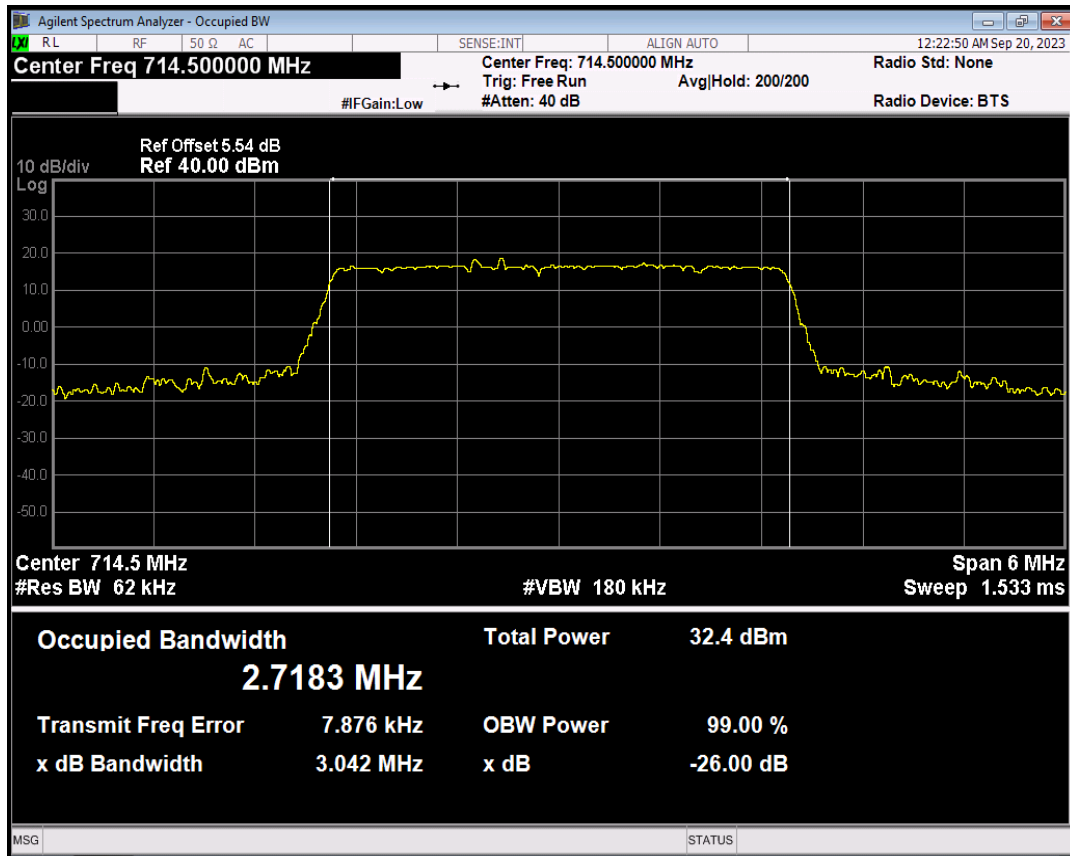


Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0

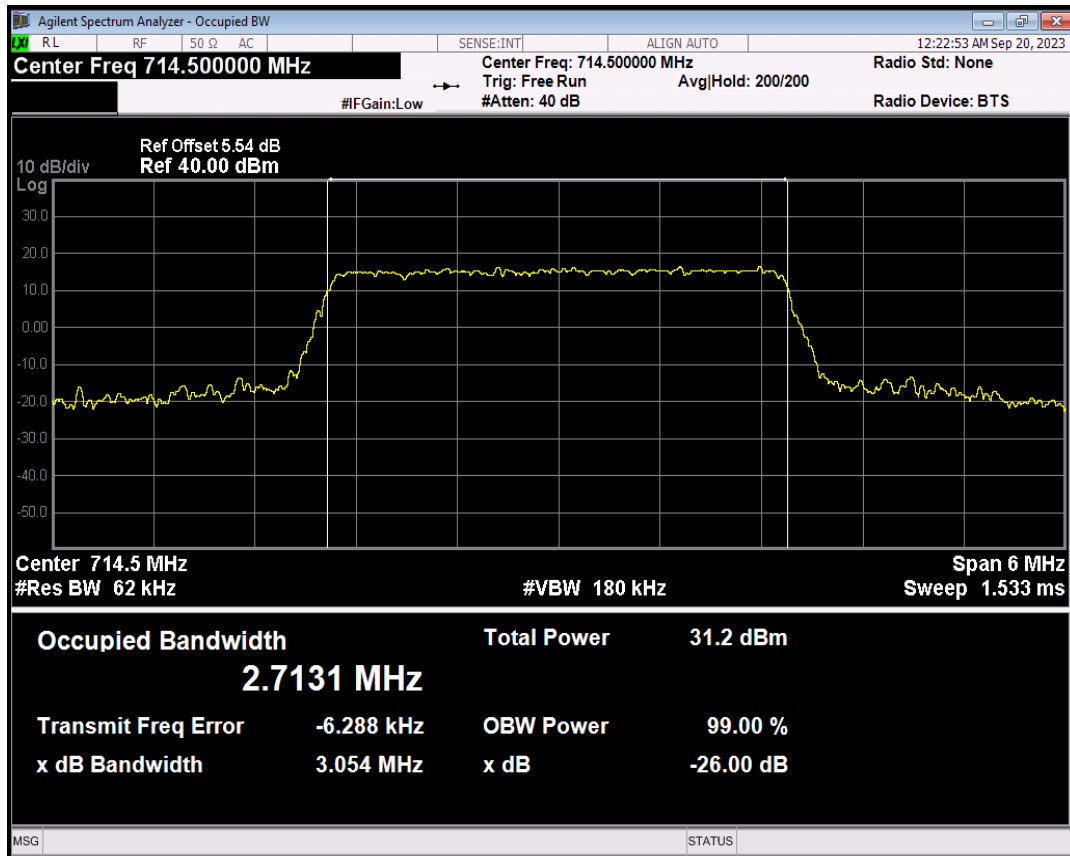




Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0

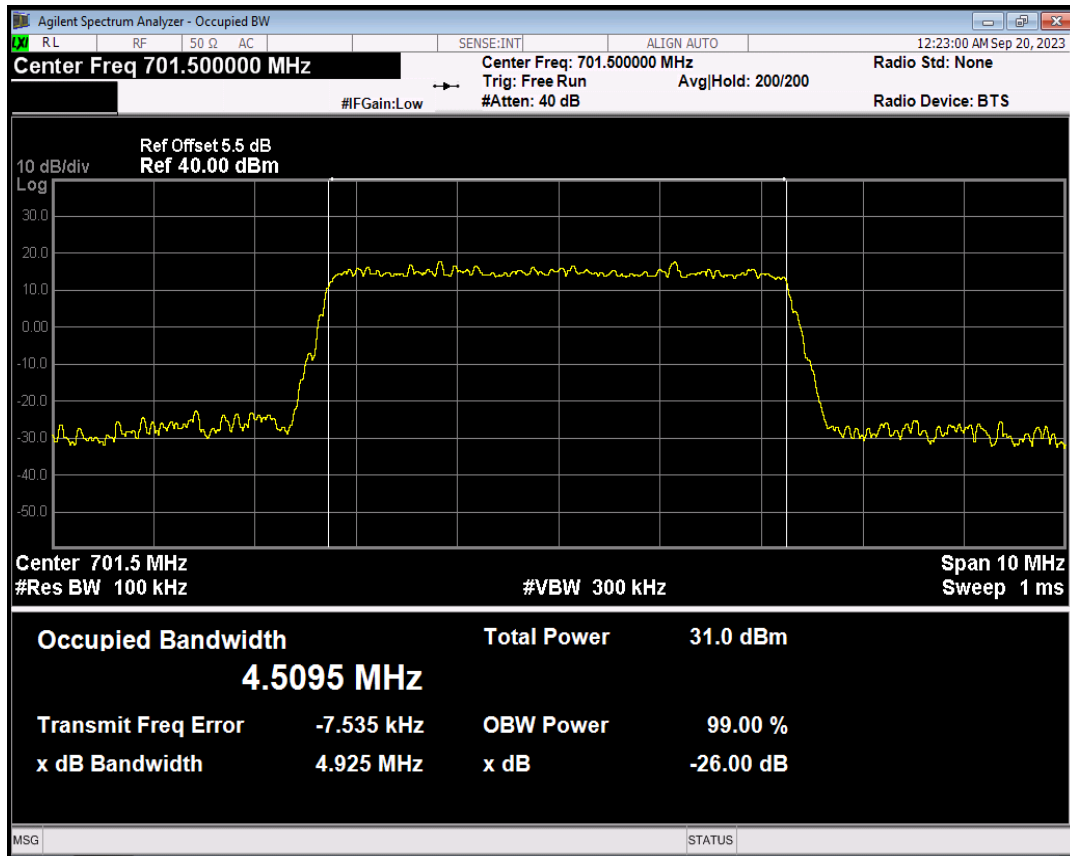


Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0

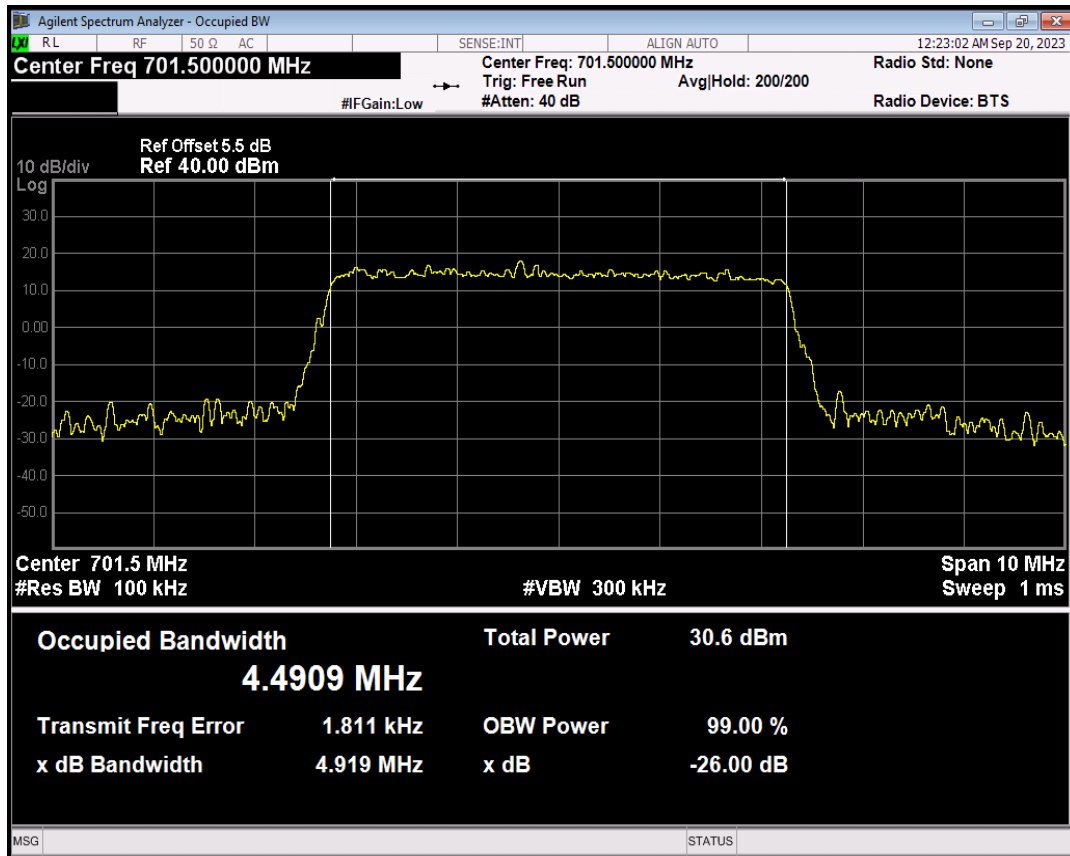




Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0

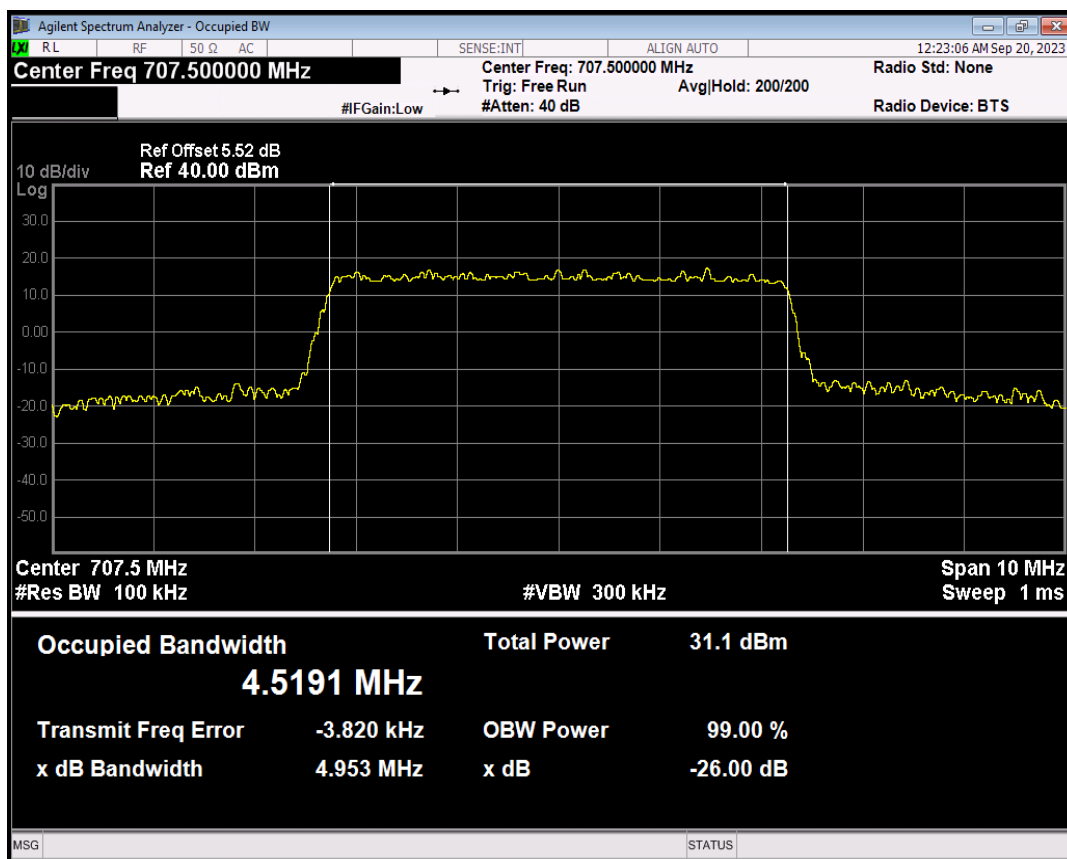


Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0

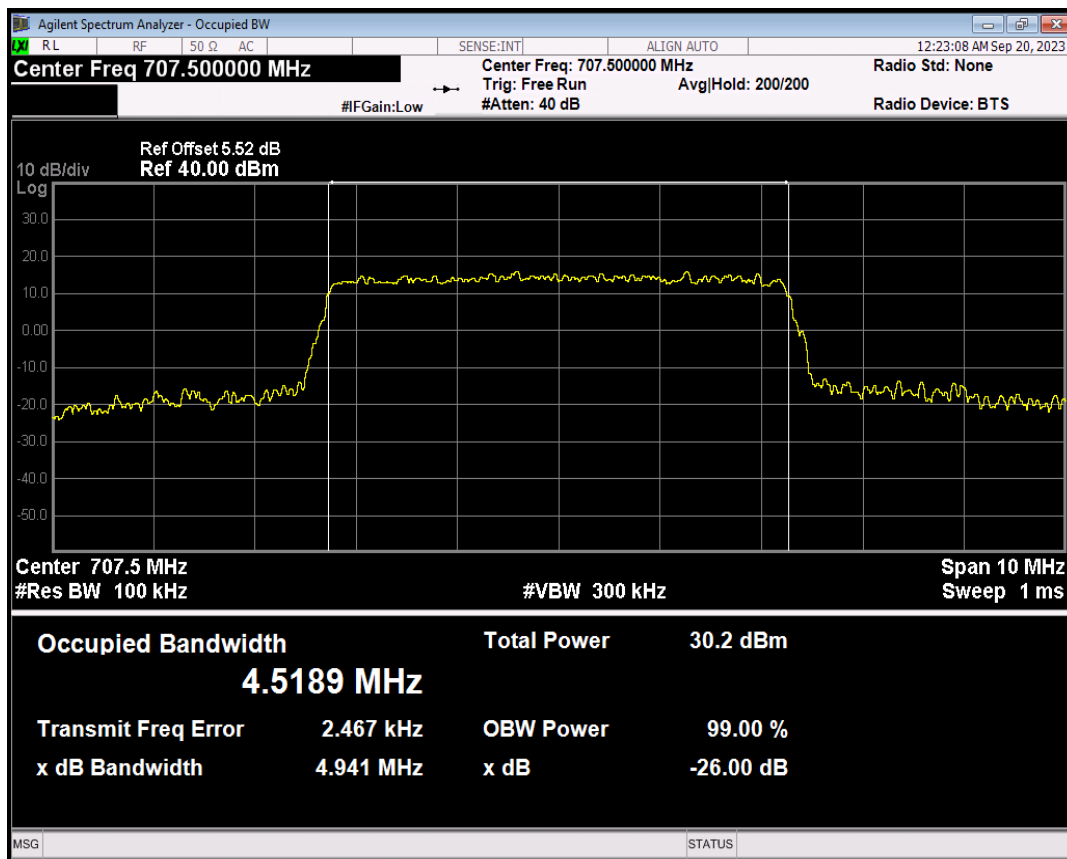




Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0

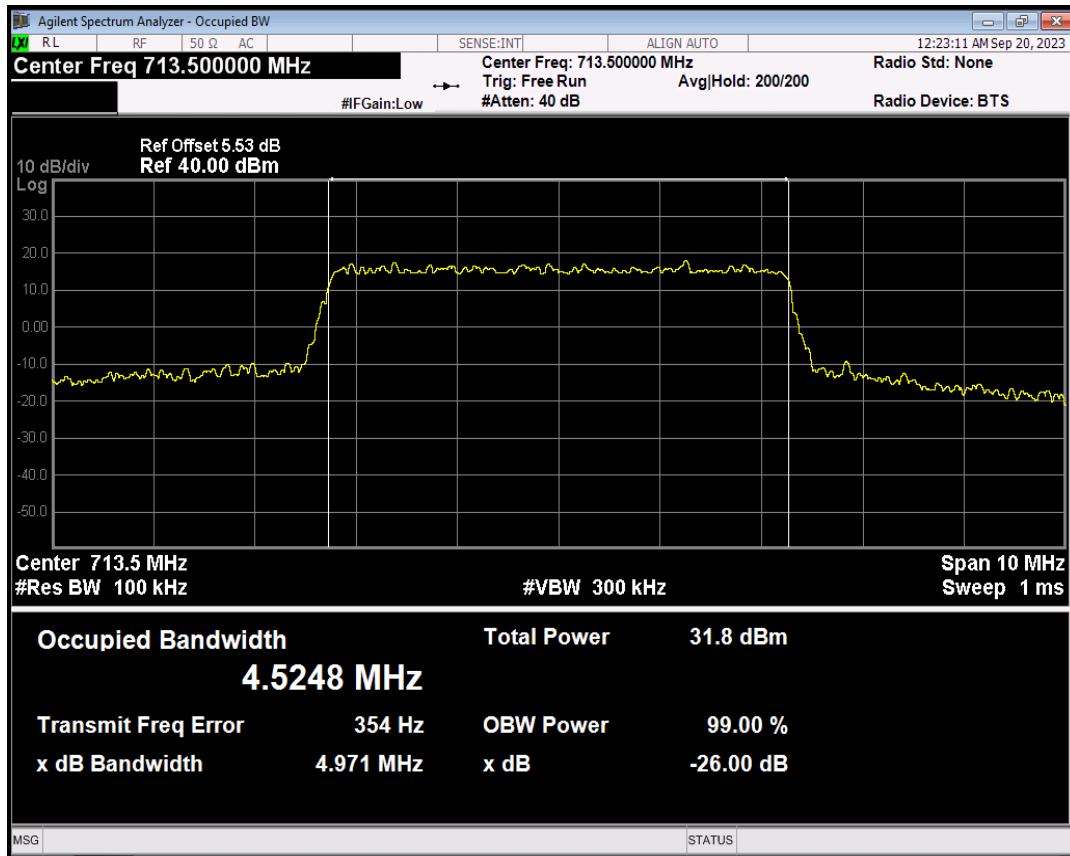


Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0

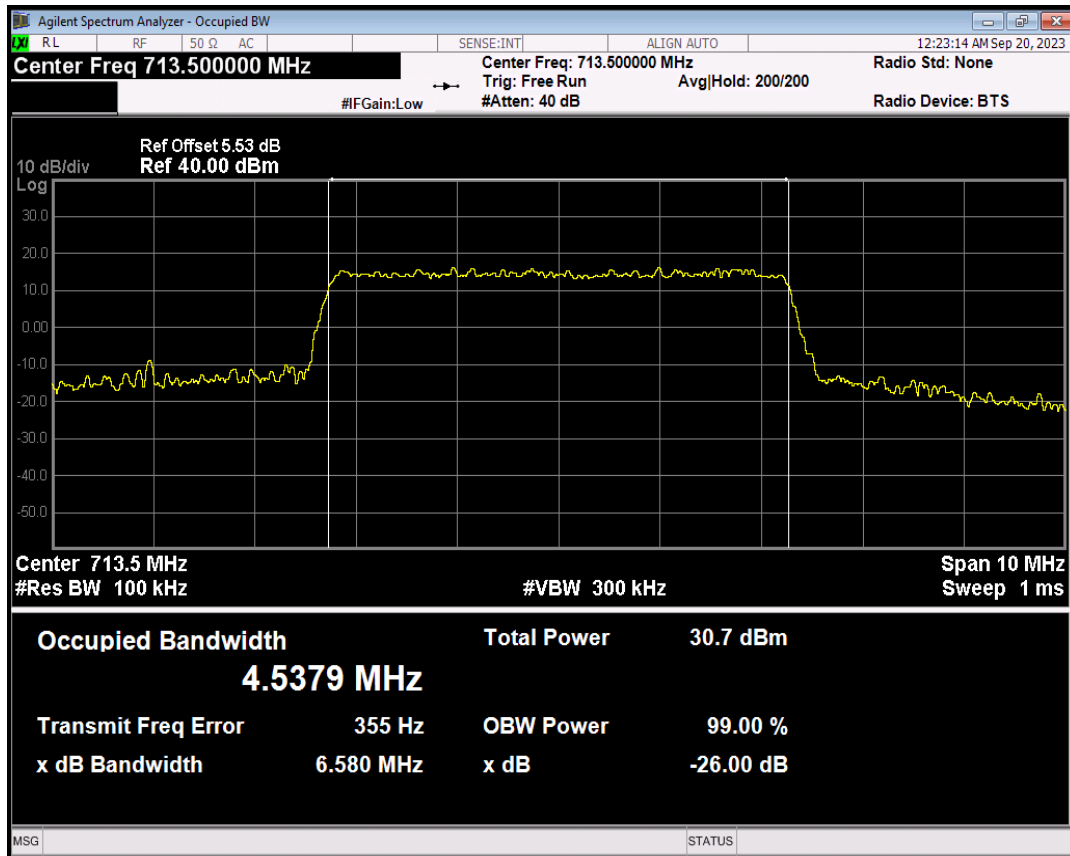




Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0

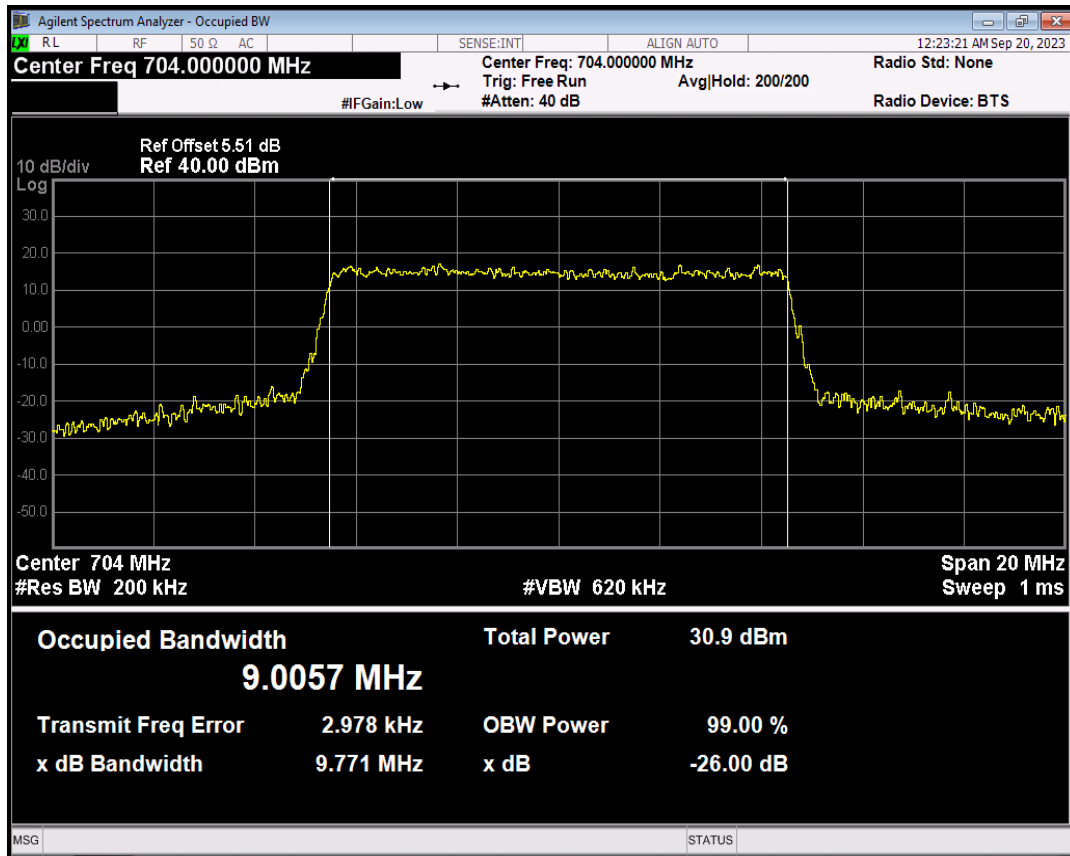


Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0

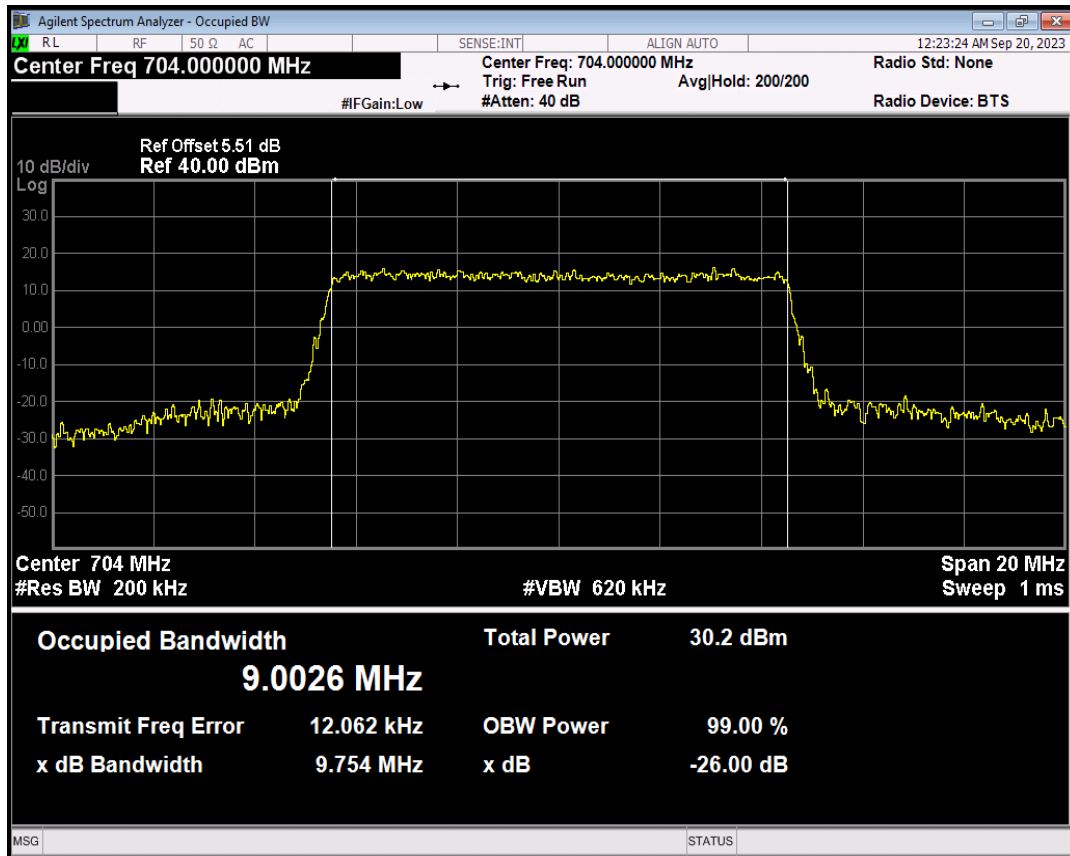




Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0

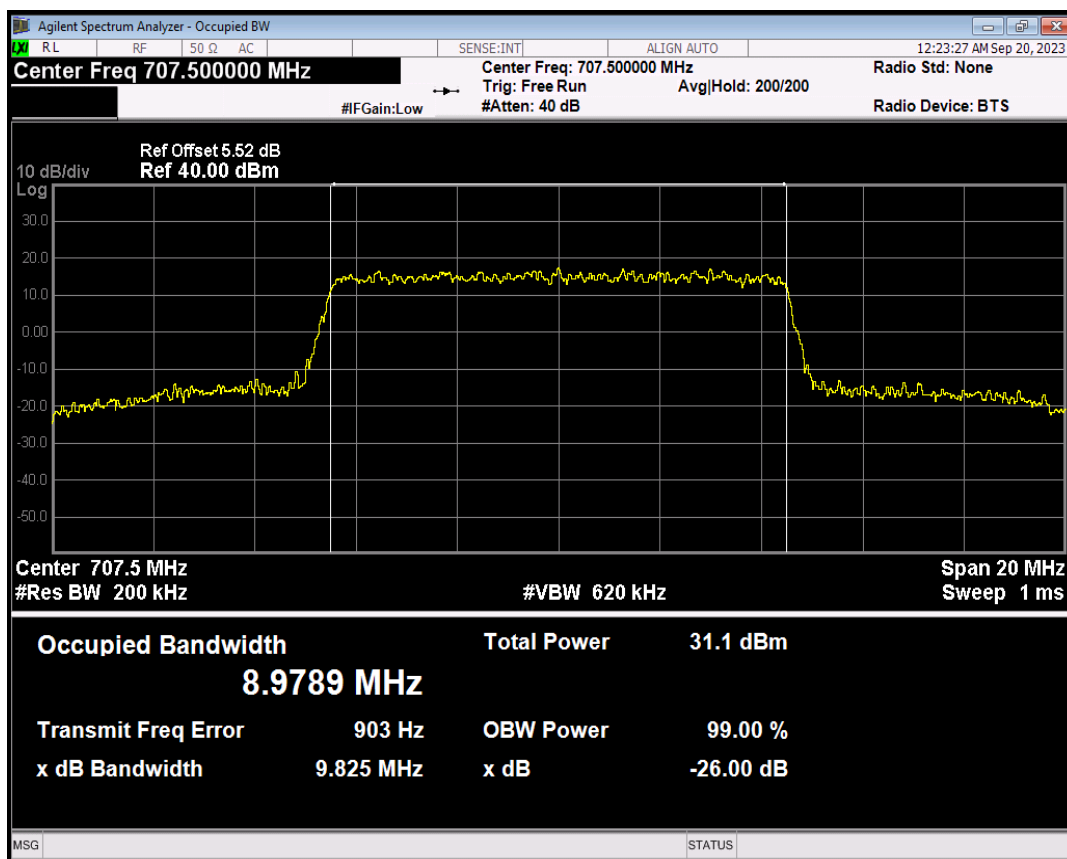


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0

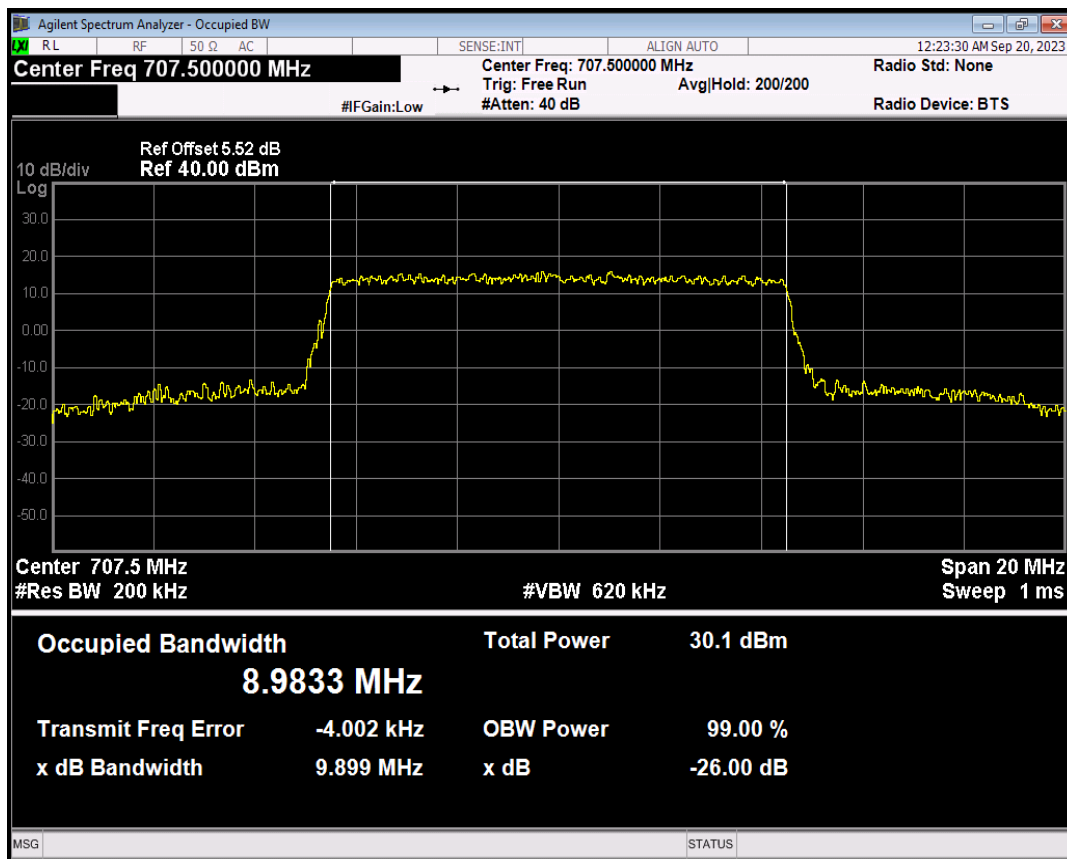




Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0

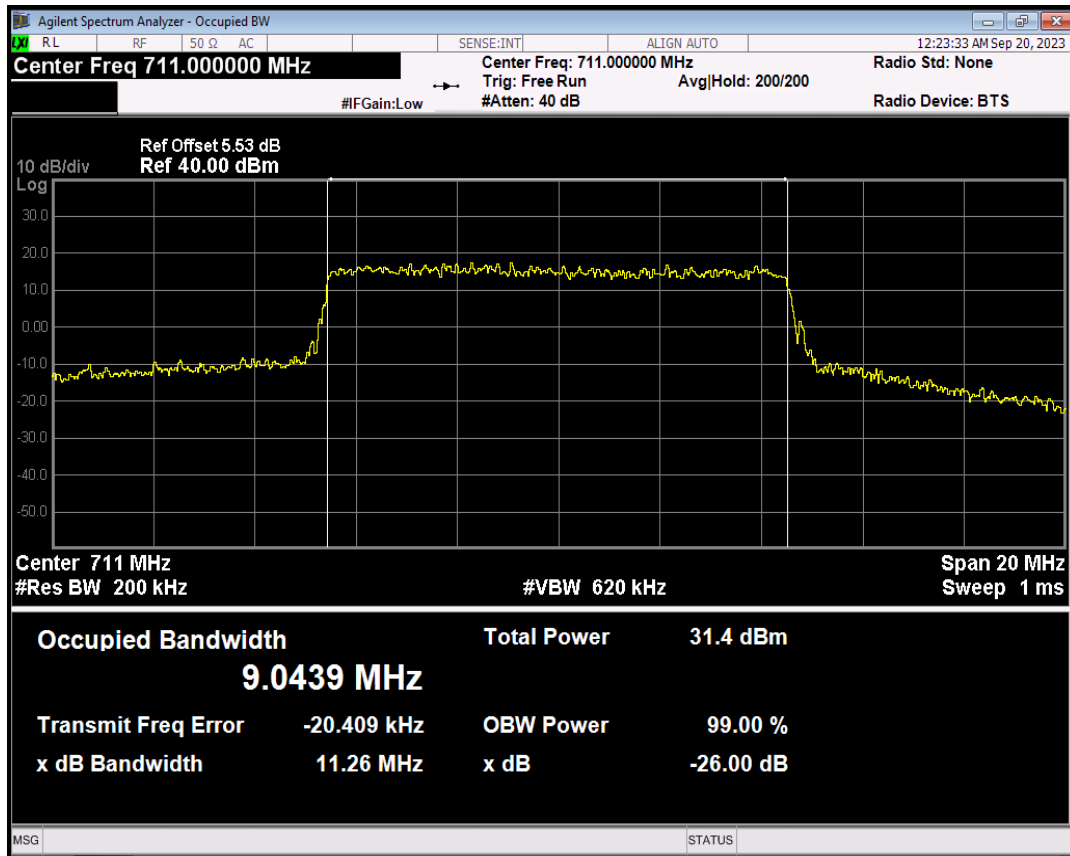


Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0

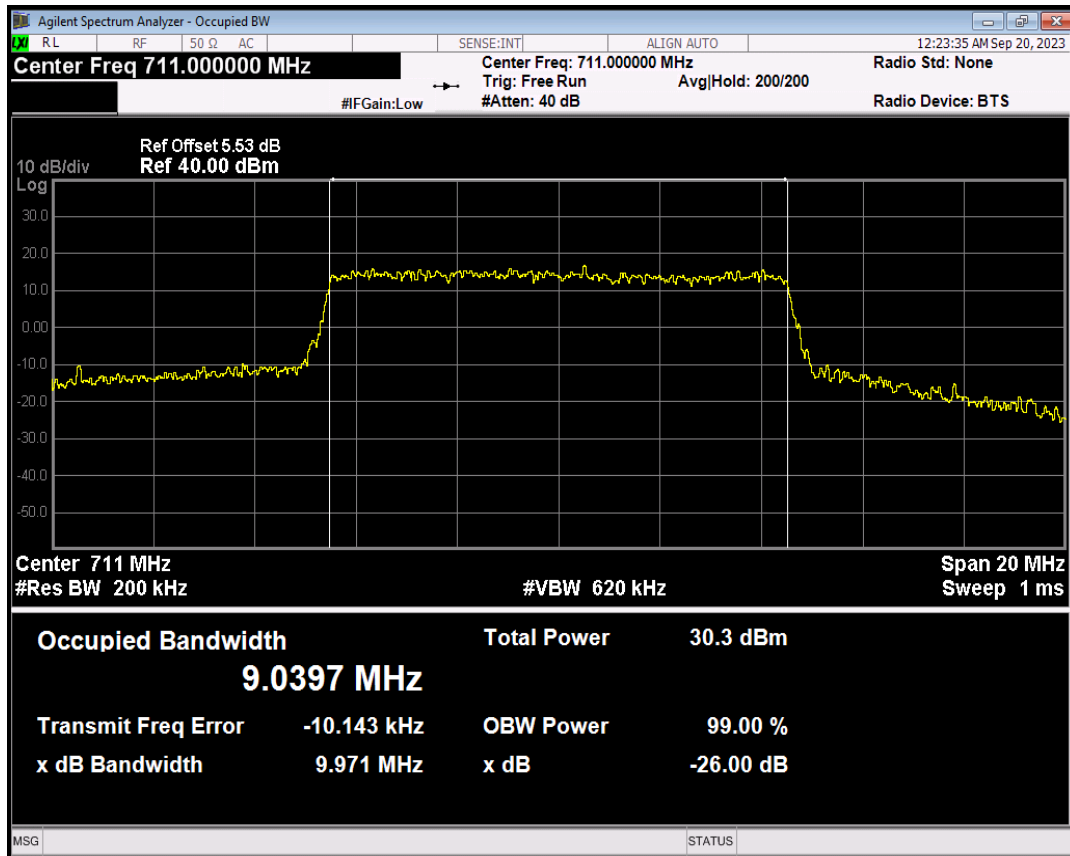




Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



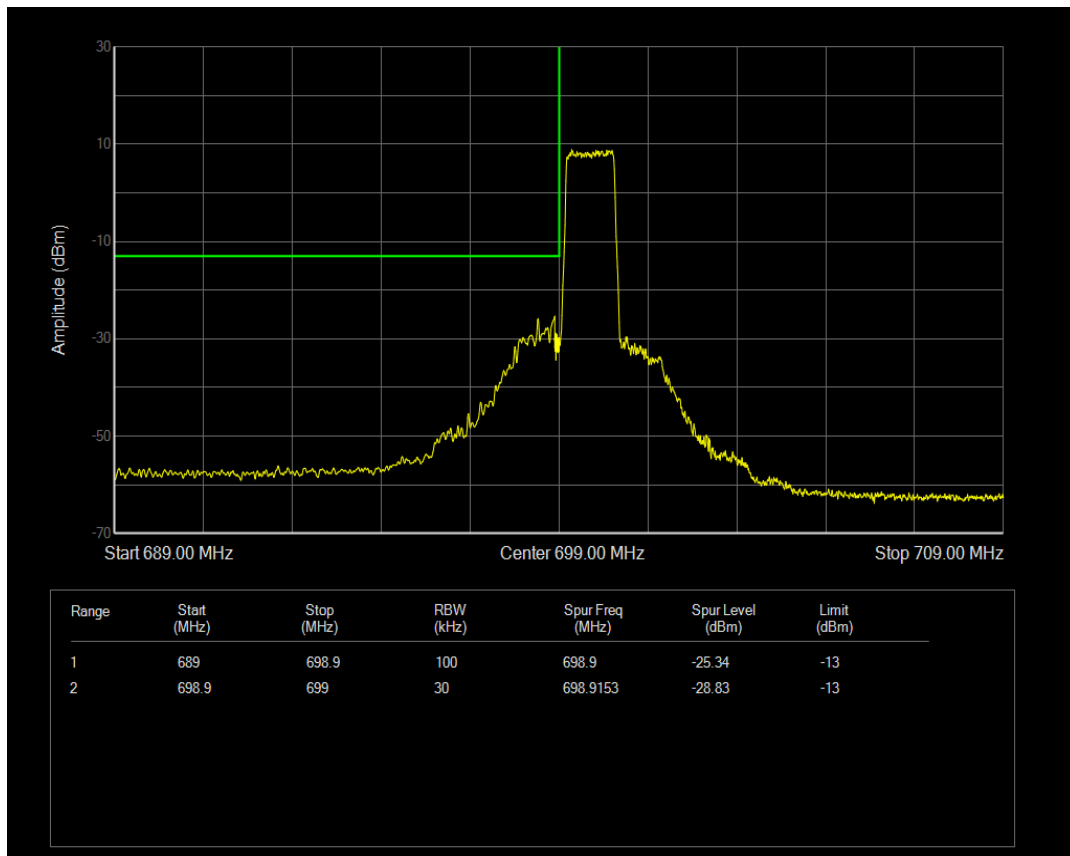
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



Appendix 5. Band edge

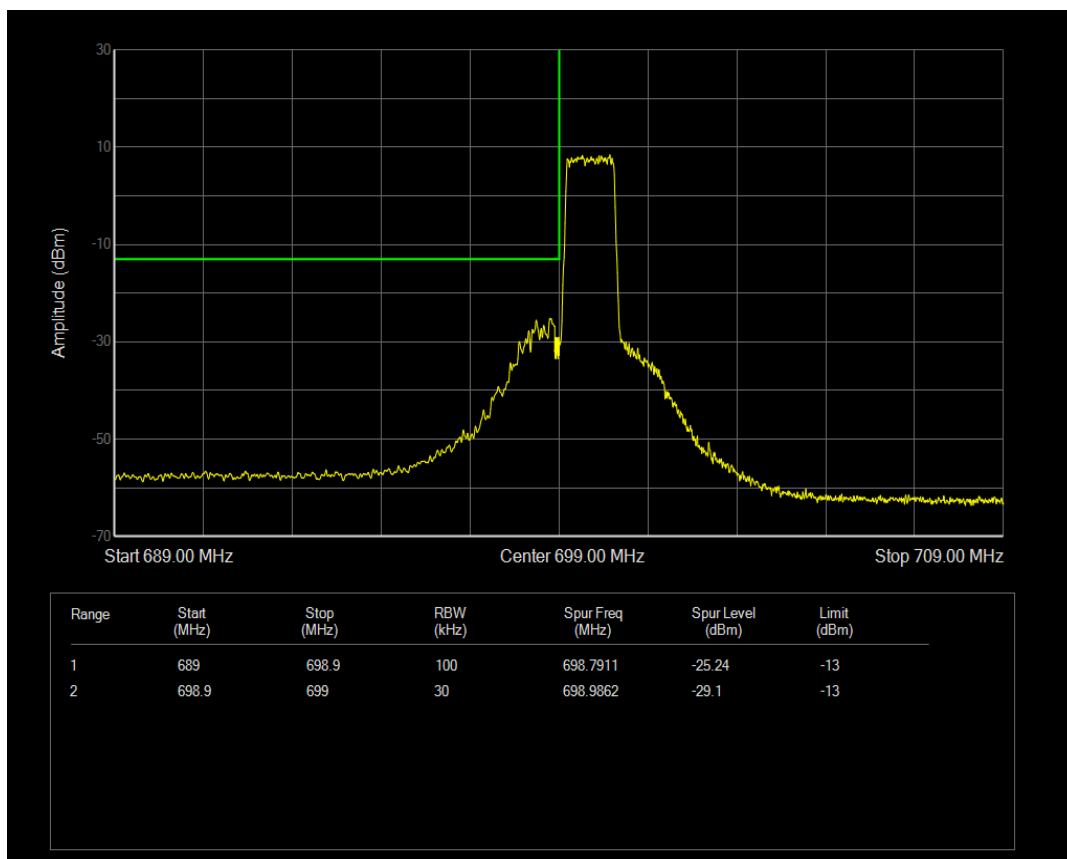
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	698.90	-25.34	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.79	-25.24	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.19	-23.77	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.17	-25.64	-13	PASS
Band12	3	23025	15	#0	QPSK	699.00	-23.78	-13	PASS
Band12	3	23025	15	#0	16QAM	699.00	-23.29	-13	PASS
Band12	3	23165	15	#0	QPSK	716.11	-16.98	-13	PASS
Band12	3	23165	15	#0	16QAM	716.11	-19.65	-13	PASS
Band12	5	23035	25	#0	QPSK	699.00	-32.45	-13	PASS
Band12	5	23035	25	#0	16QAM	698.82	-32.32	-13	PASS
Band12	5	23155	25	#0	QPSK	716.23	-20.71	-13	PASS
Band12	5	23155	25	#0	16QAM	716.13	-23.17	-13	PASS
Band12	10	23060	50	#0	QPSK	698.49	-32.08	-13	PASS
Band12	10	23060	50	#0	16QAM	698.89	-34.39	-13	PASS
Band12	10	23130	50	#0	QPSK	716.12	-20.94	-13	PASS
Band12	10	23130	50	#0	16QAM	716.22	-22.92	-13	PASS

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

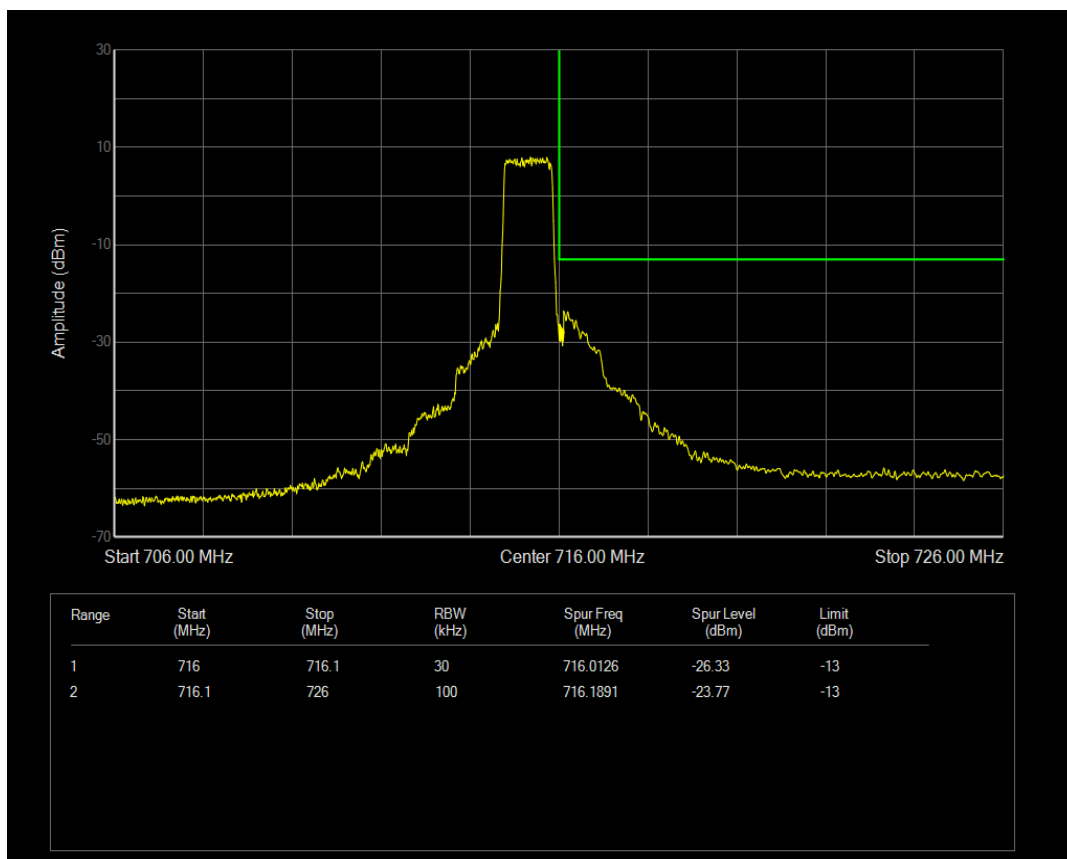




Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0

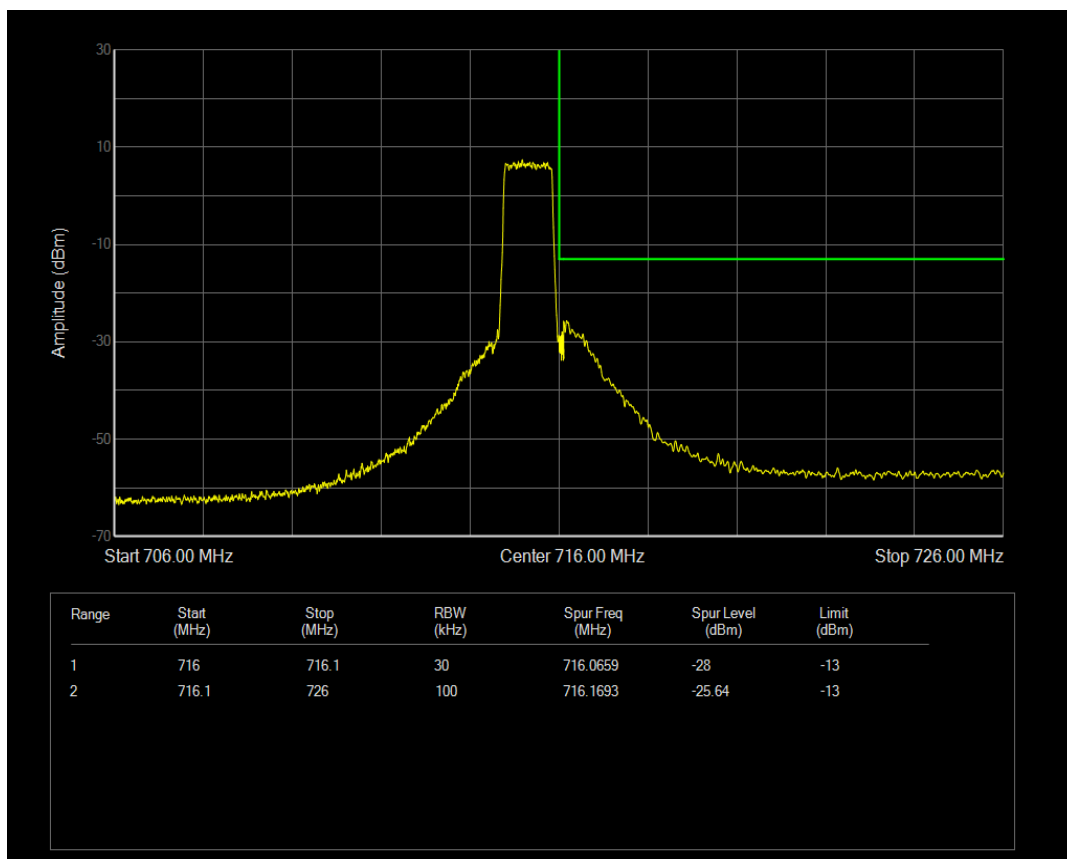


Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0

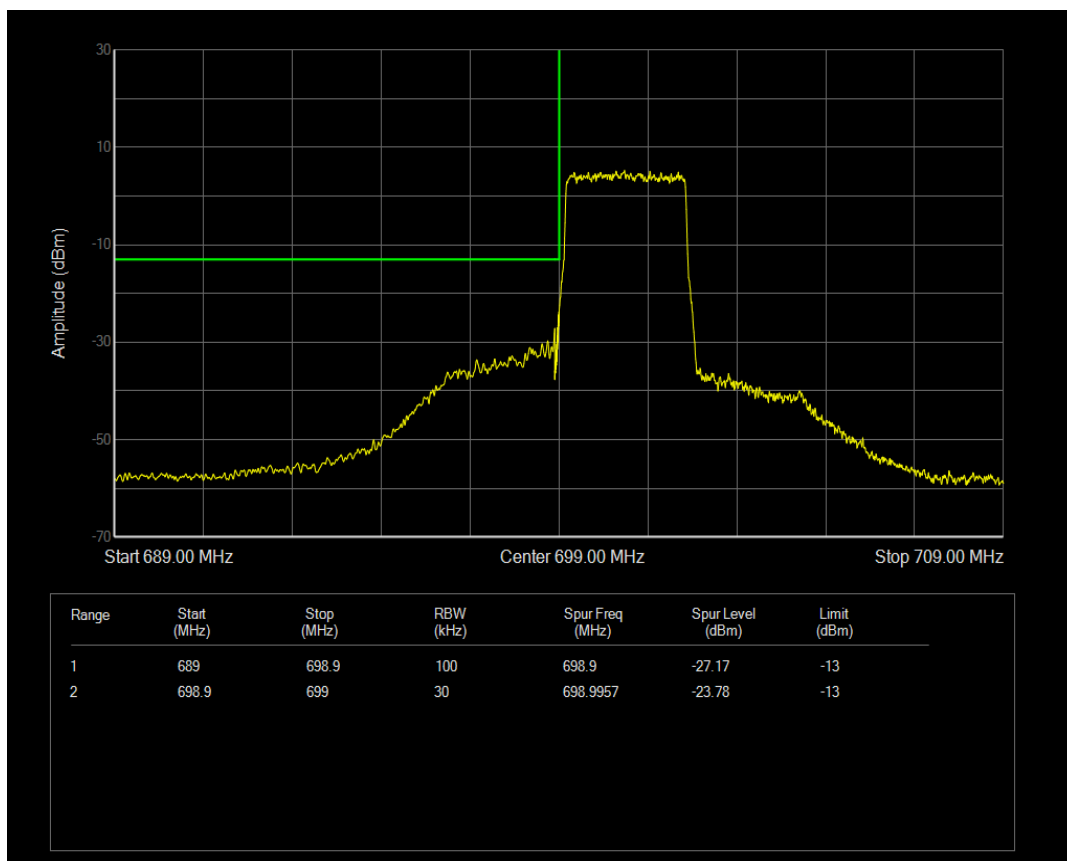




Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0

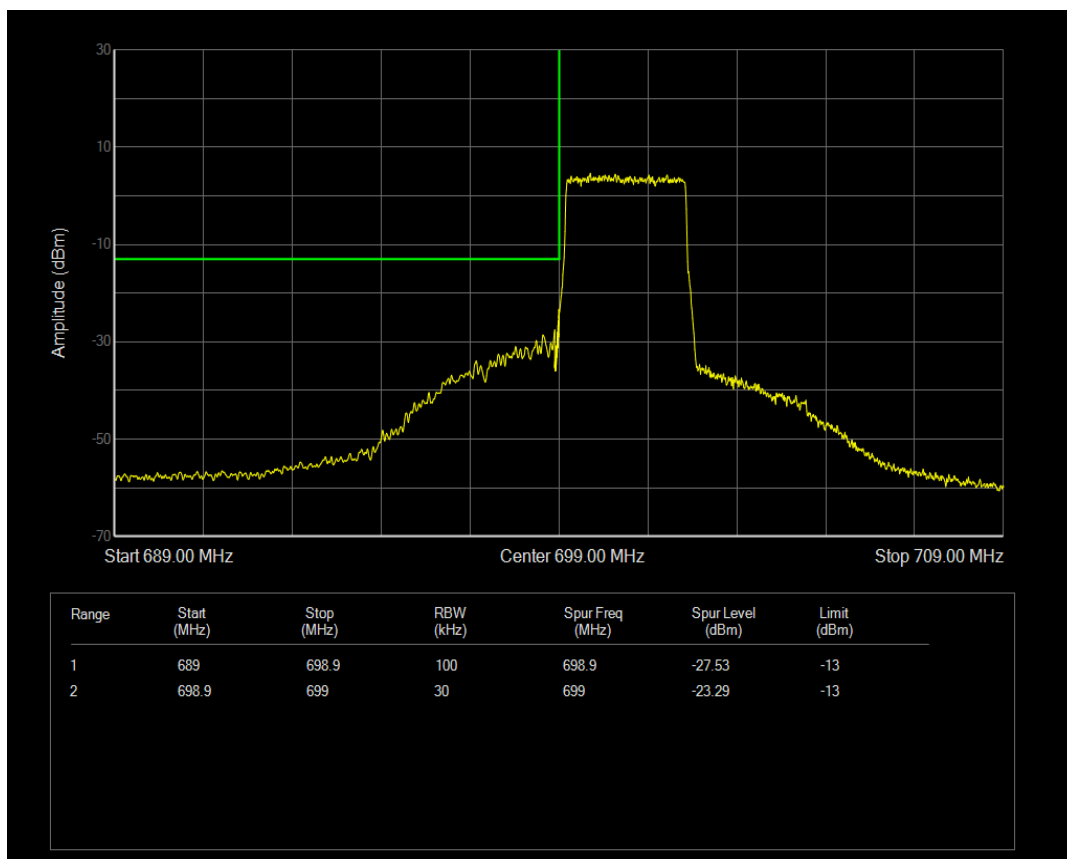


Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0

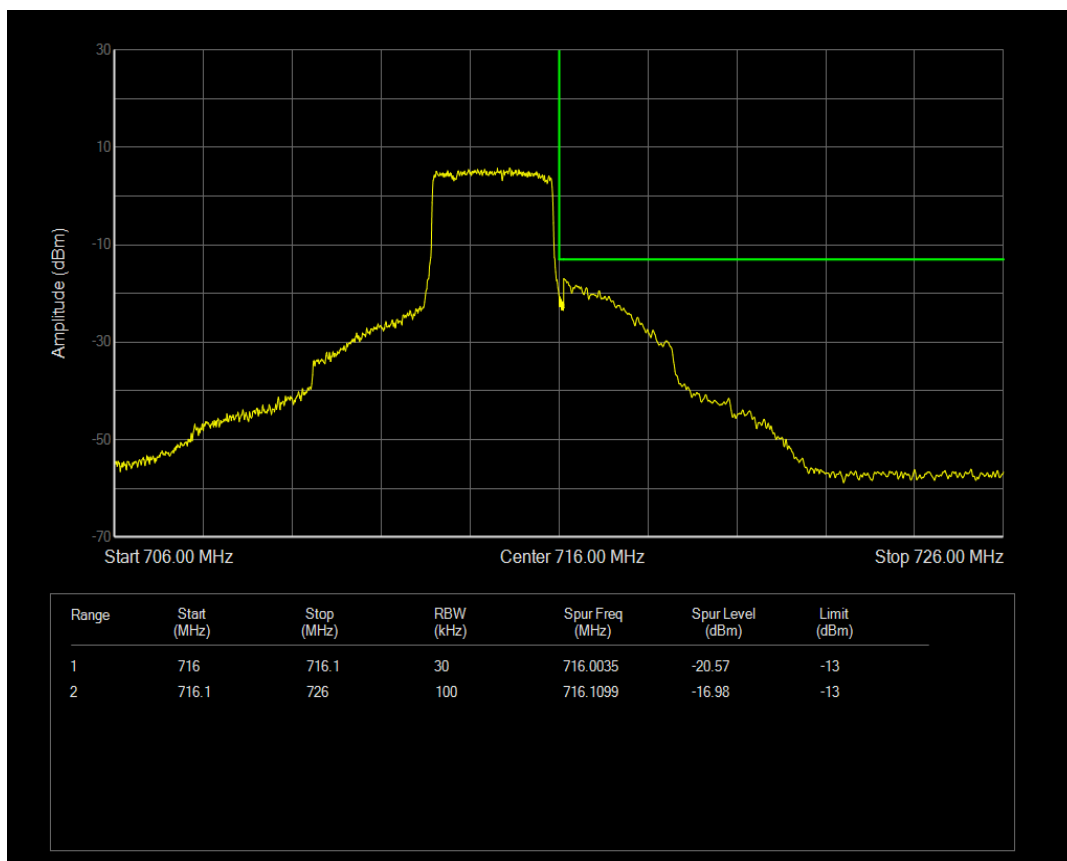




Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0

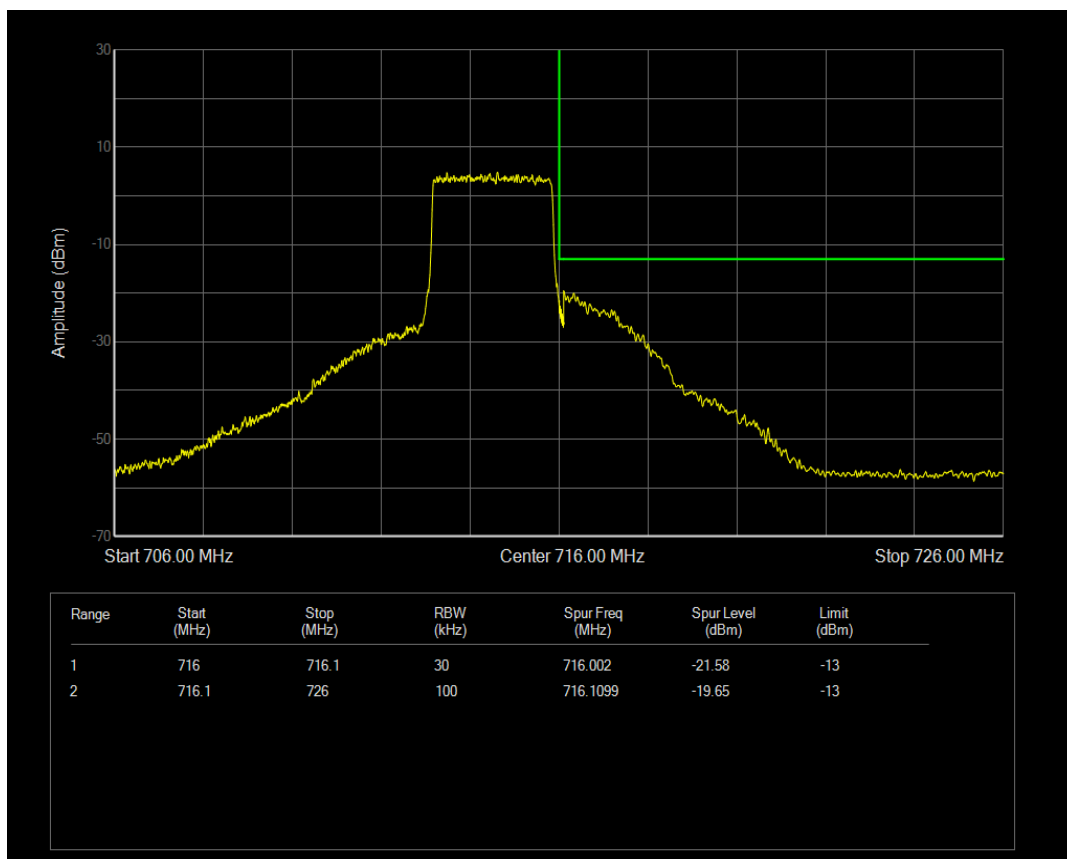


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0

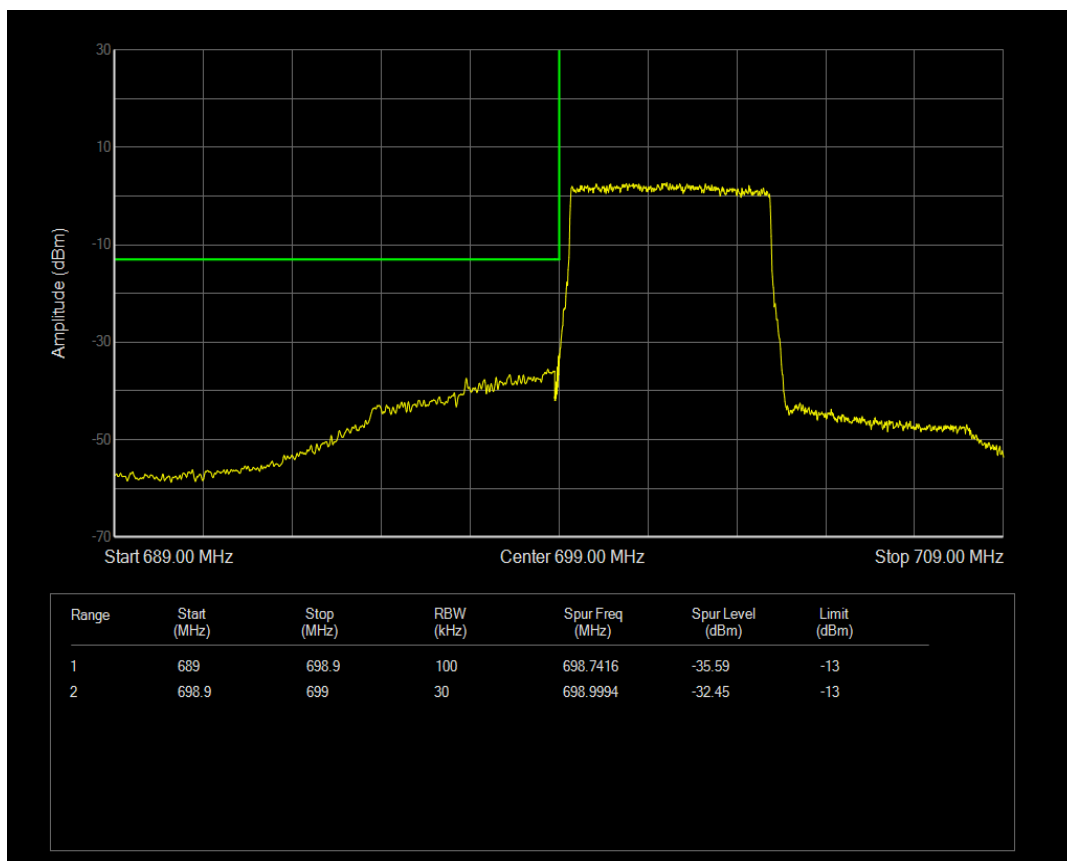




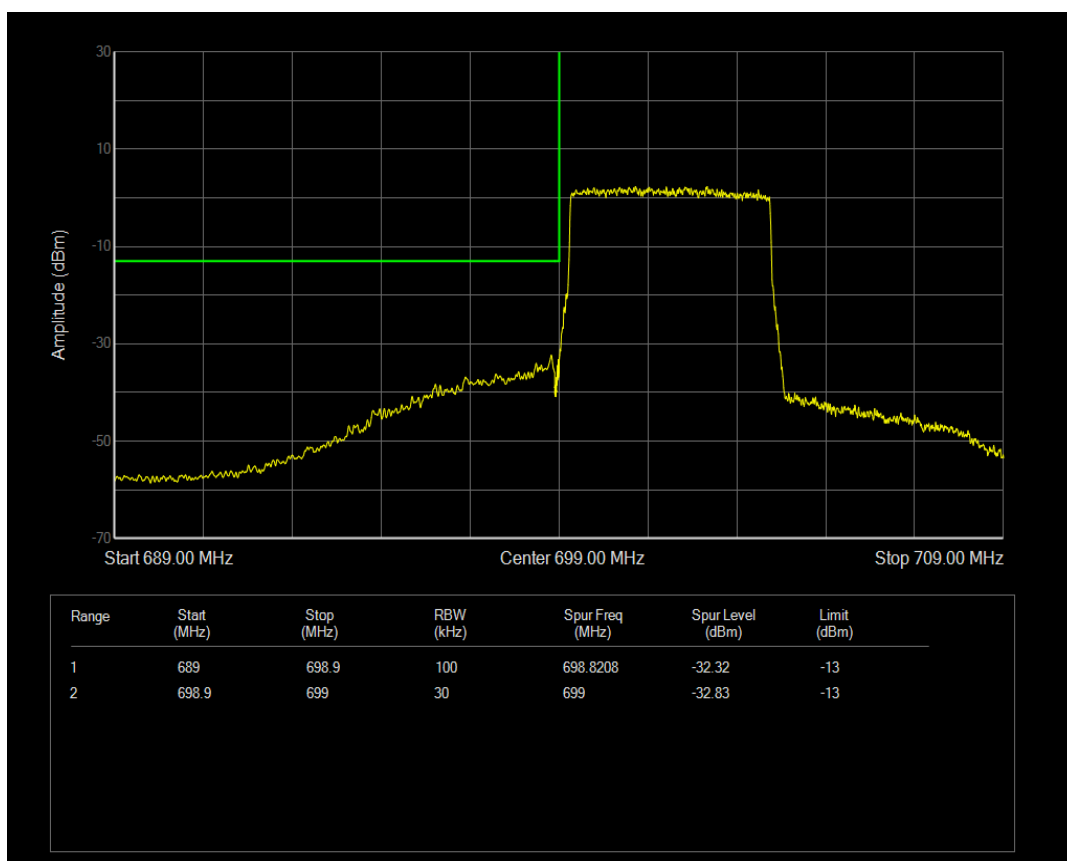
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



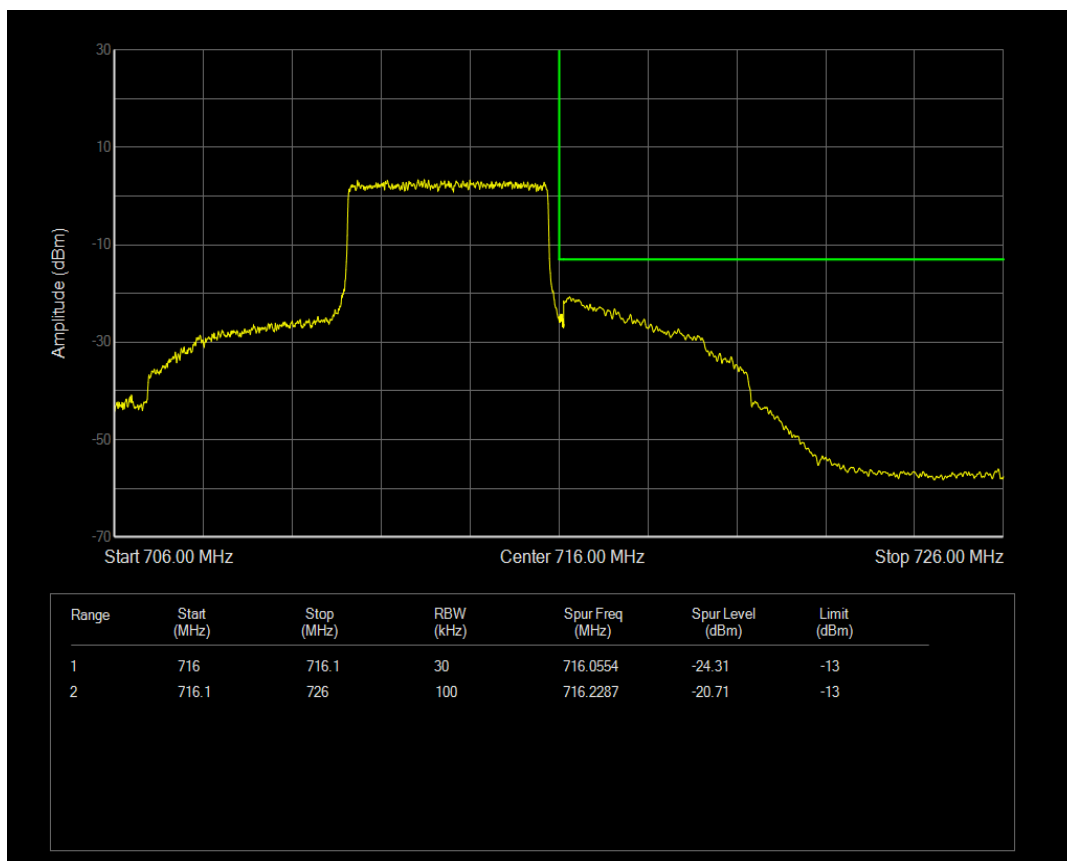
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



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

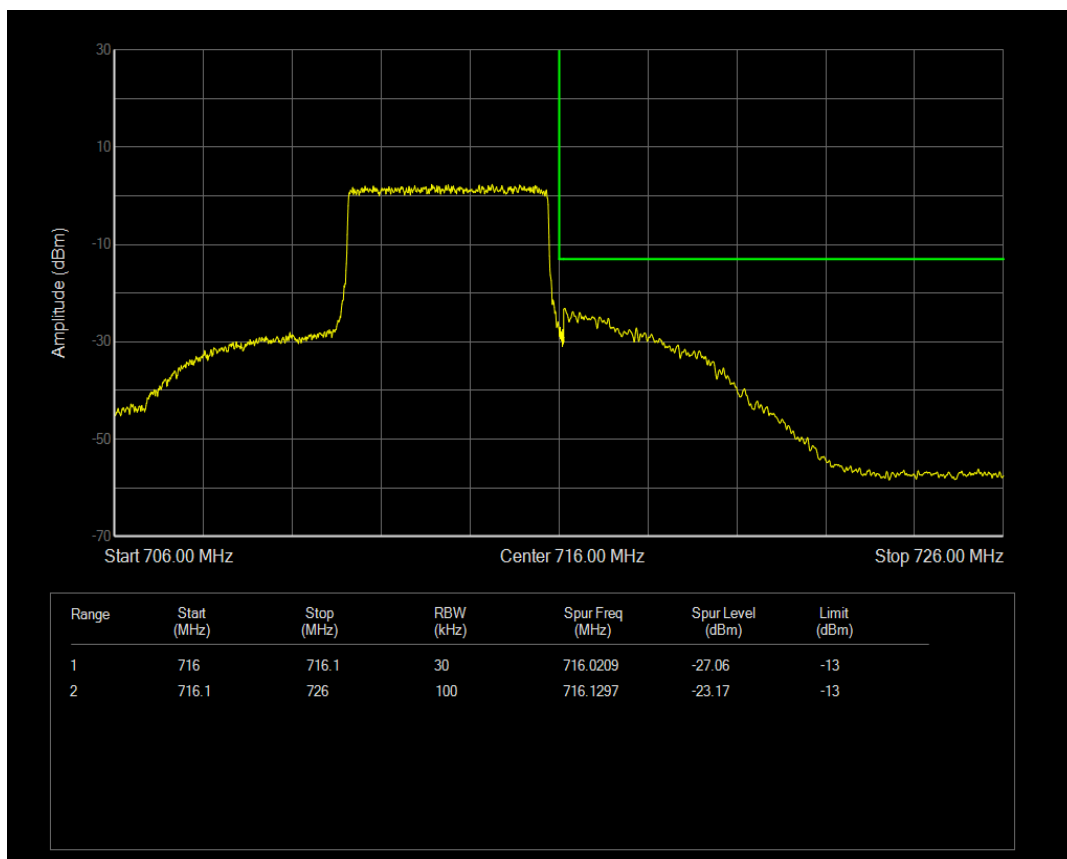


Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0

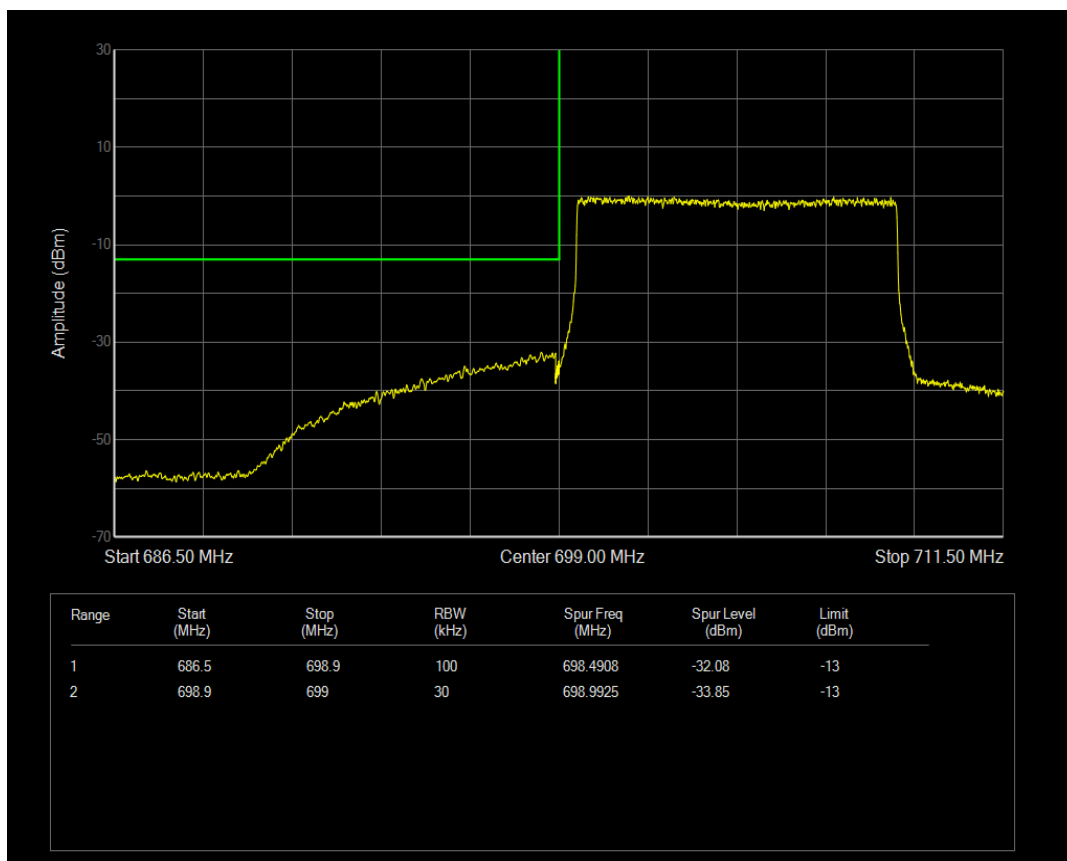




Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0

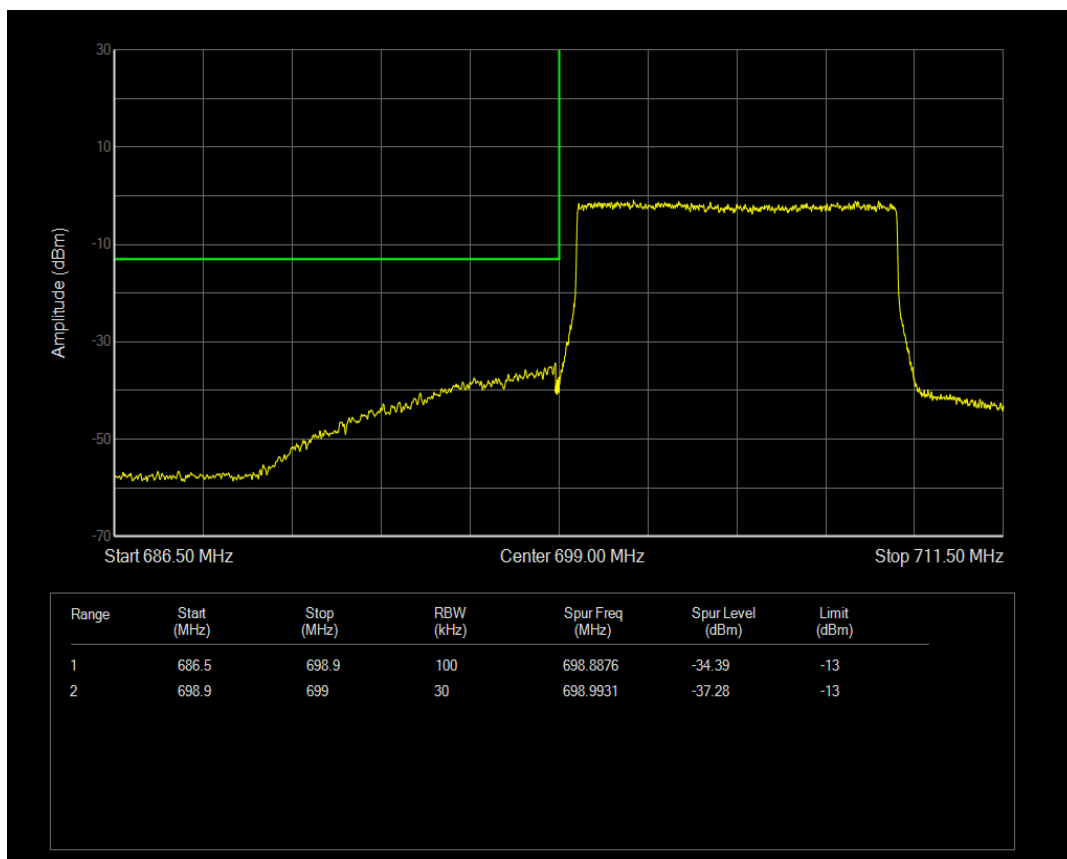


Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0

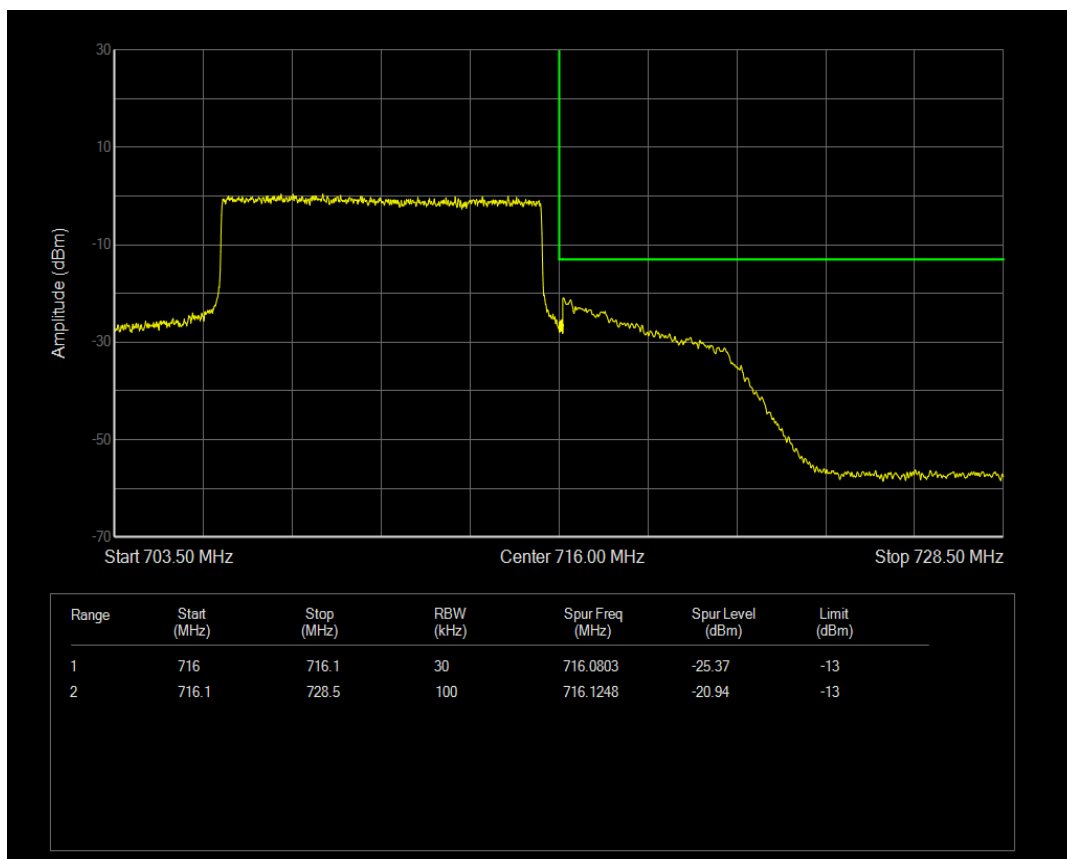




Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0

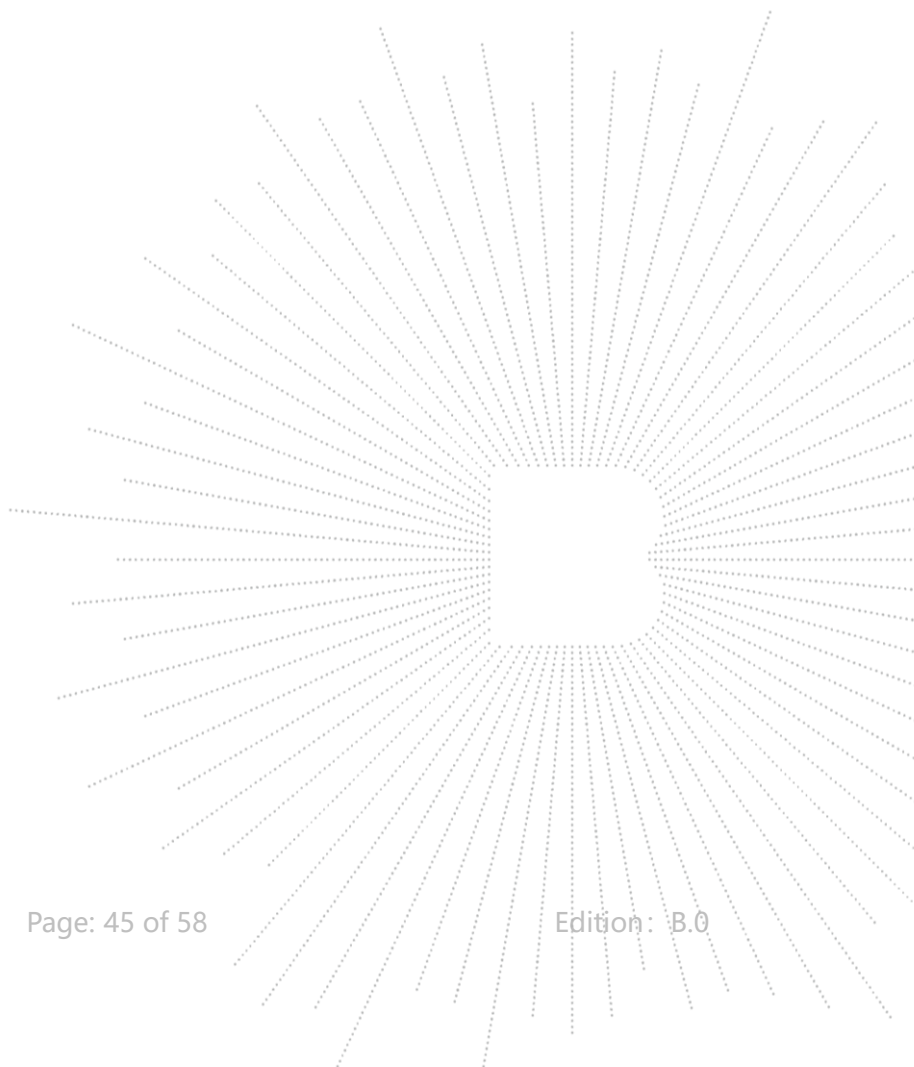
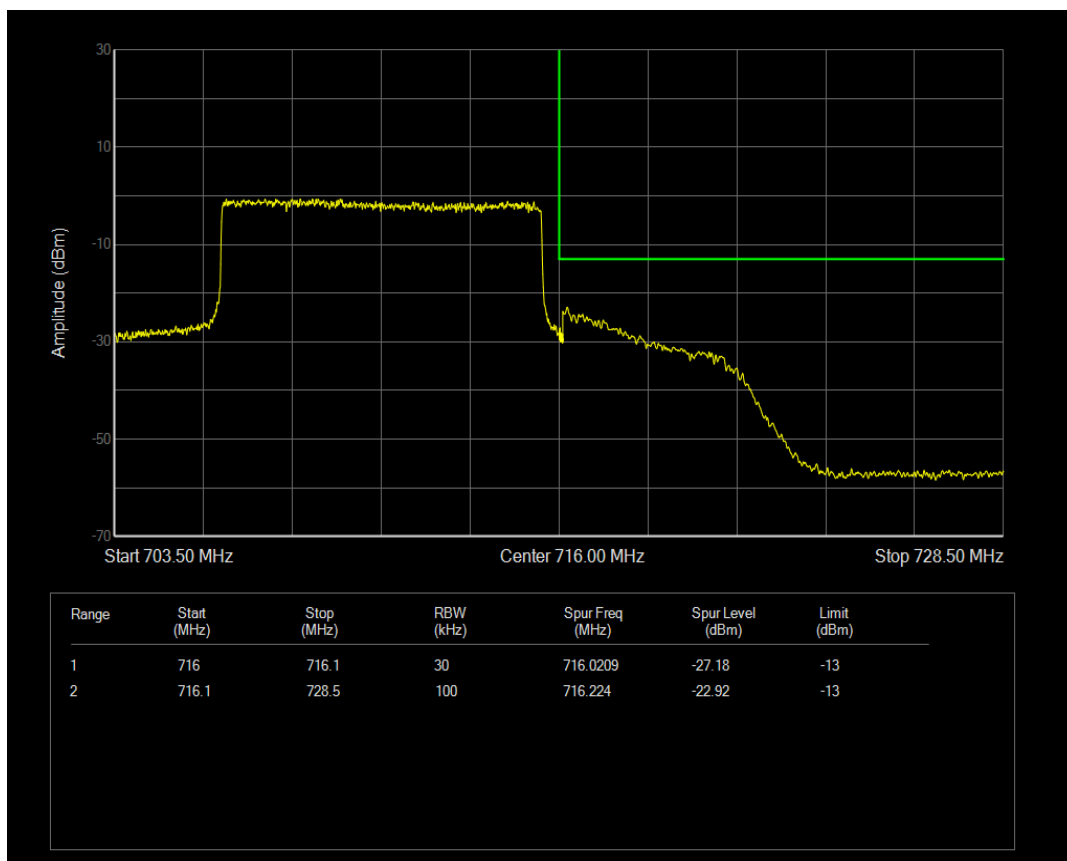


Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0





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

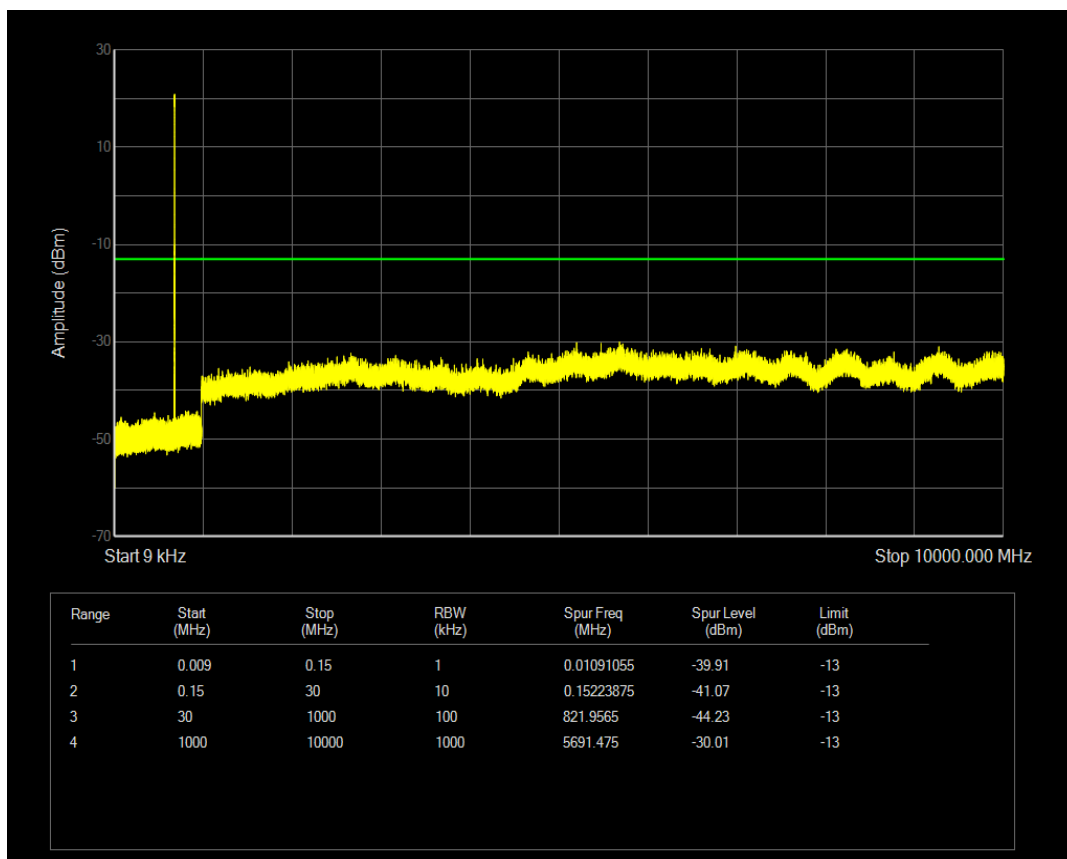


Appendix 6. Out-of-band emissions

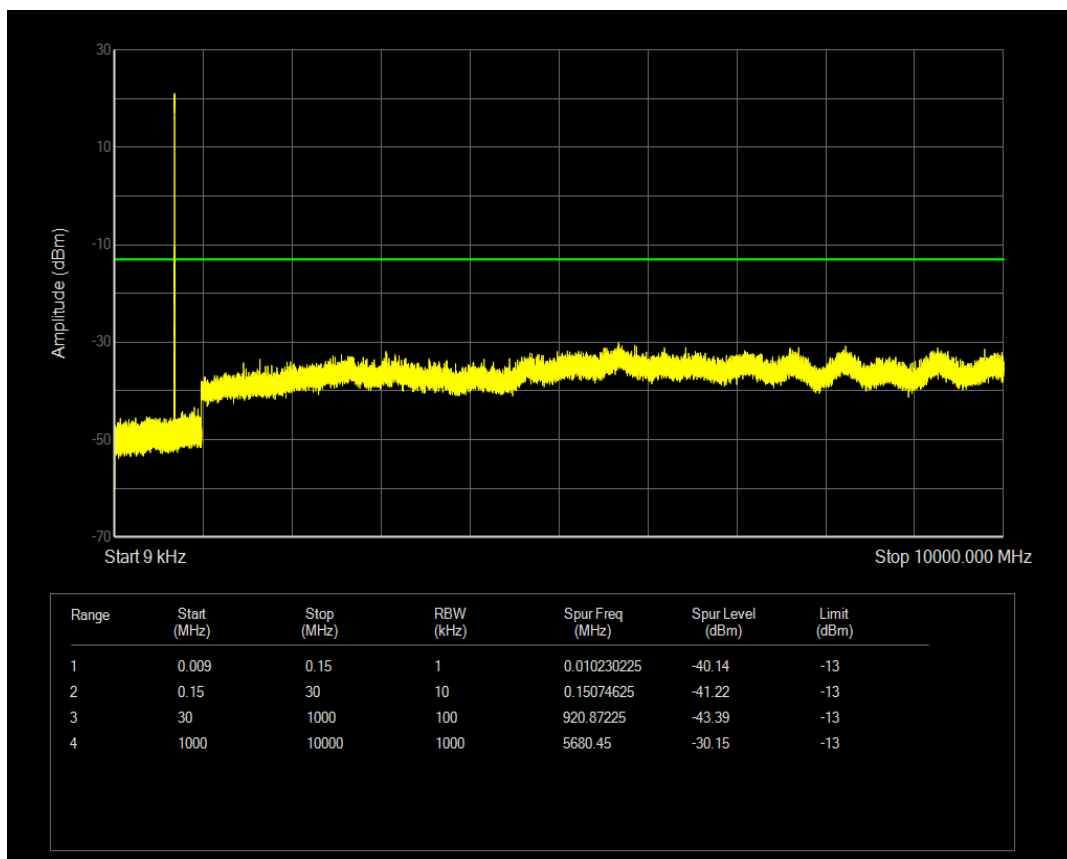
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	5691.48	-30.01	-13	PASS
Band12	1.4	23017	6	#0	16QAM	5680.45	-30.15	-13	PASS
Band12	1.4	23095	6	#0	QPSK	5718.03	-30.49	-13	PASS
Band12	1.4	23095	6	#0	16QAM	5713.08	-30.02	-13	PASS
Band12	1.4	23173	6	#0	QPSK	5747.73	-29.95	-13	PASS
Band12	1.4	23173	6	#0	16QAM	6178.83	-30.14	-13	PASS
Band12	3	23025	15	#0	QPSK	5711.28	-29.70	-13	PASS
Band12	3	23025	15	#0	16QAM	5761.68	-30.45	-13	PASS
Band12	3	23095	15	#0	QPSK	8276.95	-30.56	-13	PASS
Band12	3	23095	15	#0	16QAM	5725.45	-29.82	-13	PASS
Band12	3	23165	15	#0	QPSK	8222.95	-30.21	-13	PASS
Band12	3	23165	15	#0	16QAM	9245.80	-29.41	-13	PASS
Band12	5	23035	25	#0	QPSK	5677.30	-29.89	-13	PASS
Band12	5	23035	25	#0	16QAM	5583.70	-29.87	-13	PASS
Band12	5	23095	25	#0	QPSK	5695.75	-29.87	-13	PASS
Band12	5	23095	25	#0	16QAM	5700.03	-29.95	-13	PASS
Band12	5	23155	25	#0	QPSK	8245.68	-29.66	-13	PASS
Band12	5	23155	25	#0	16QAM	5649.85	-30.09	-13	PASS
Band12	10	23060	50	#0	QPSK	7622.65	-29.93	-13	PASS
Band12	10	23060	50	#0	16QAM	5736.70	-29.72	-13	PASS
Band12	10	23095	50	#0	QPSK	5594.05	-30.17	-13	PASS
Band12	10	23095	50	#0	16QAM	5725.68	-29.90	-13	PASS
Band12	10	23130	50	#0	QPSK	5671.00	-30.09	-13	PASS
Band12	10	23130	50	#0	16QAM	5662.90	-29.69	-13	PASS



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

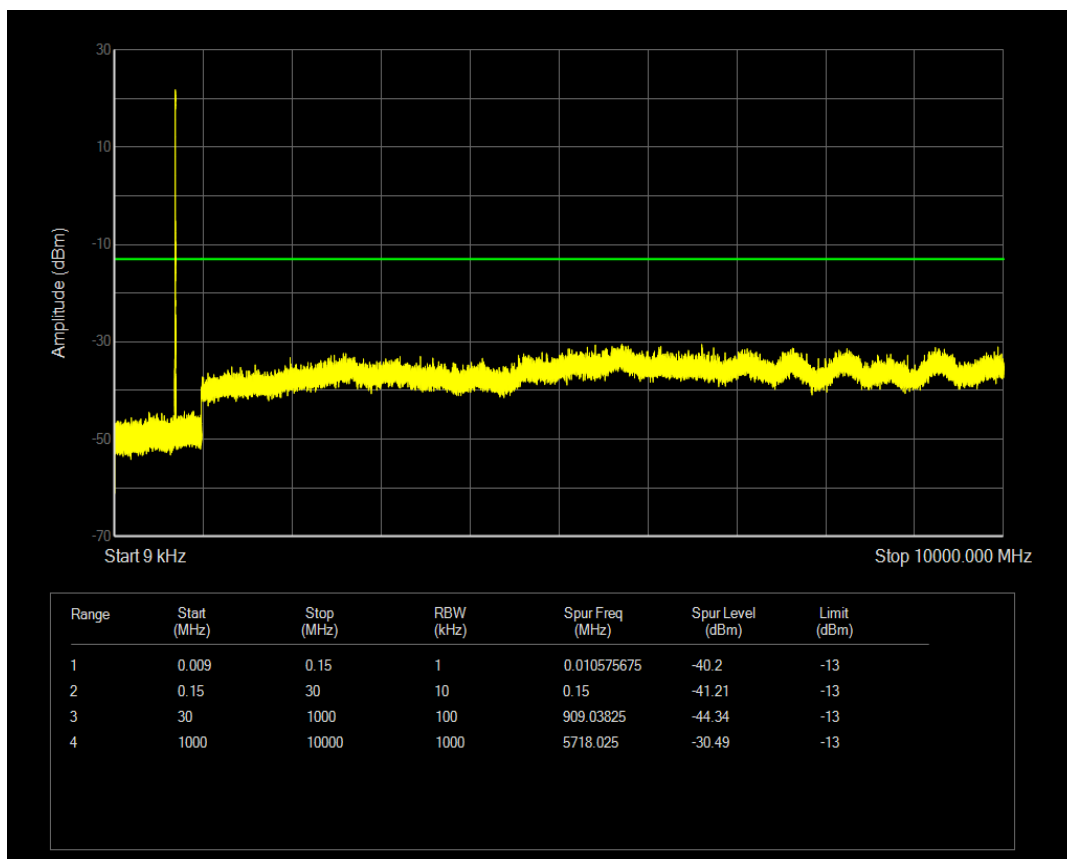


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0

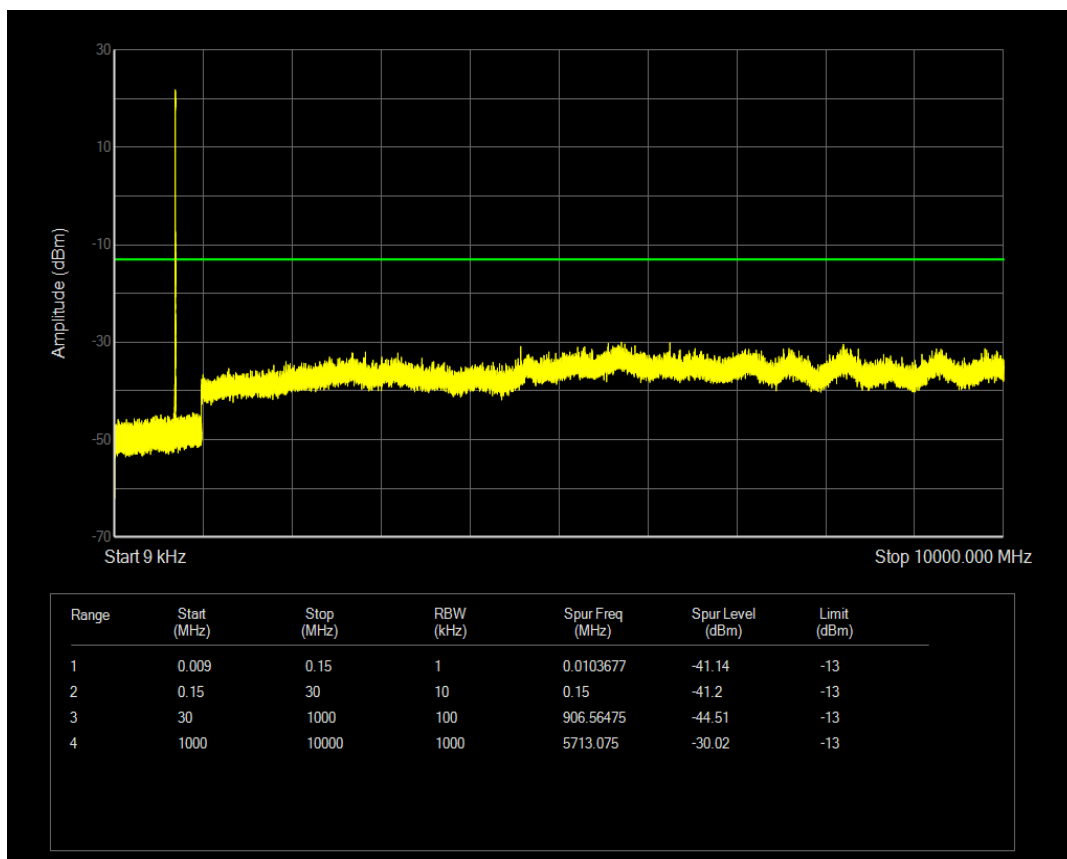




Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0

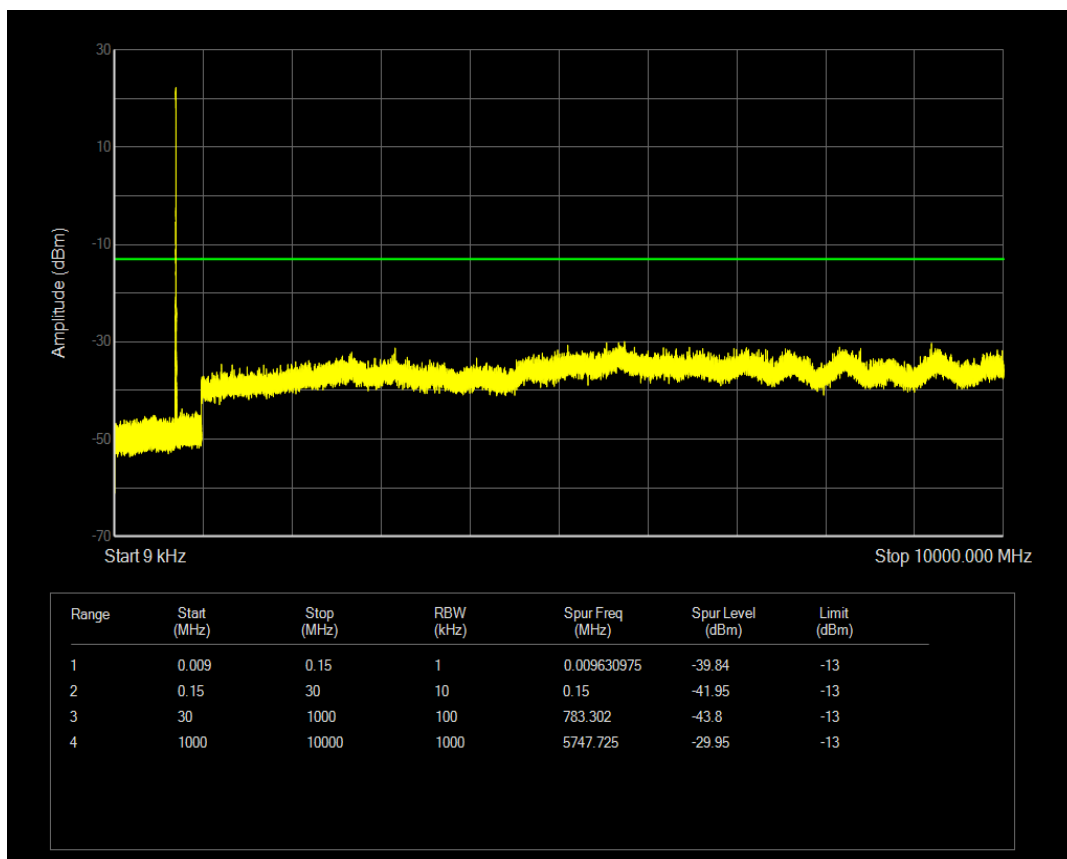


Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0

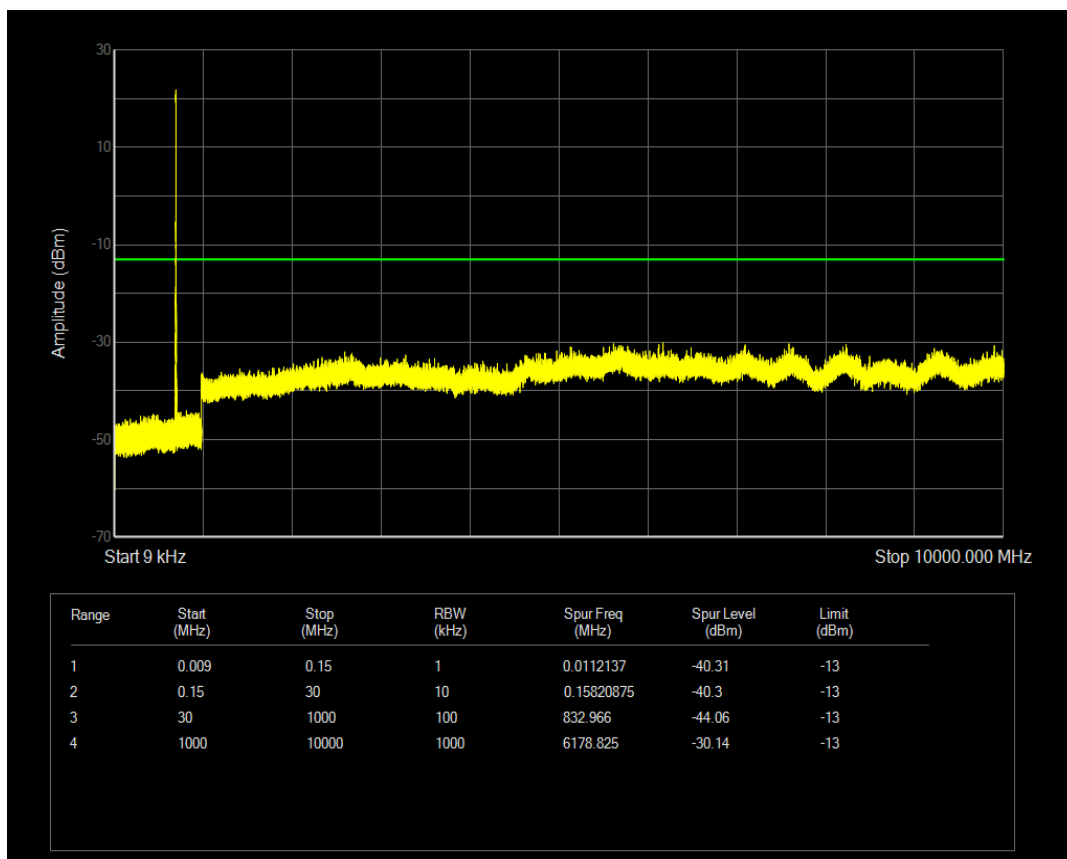




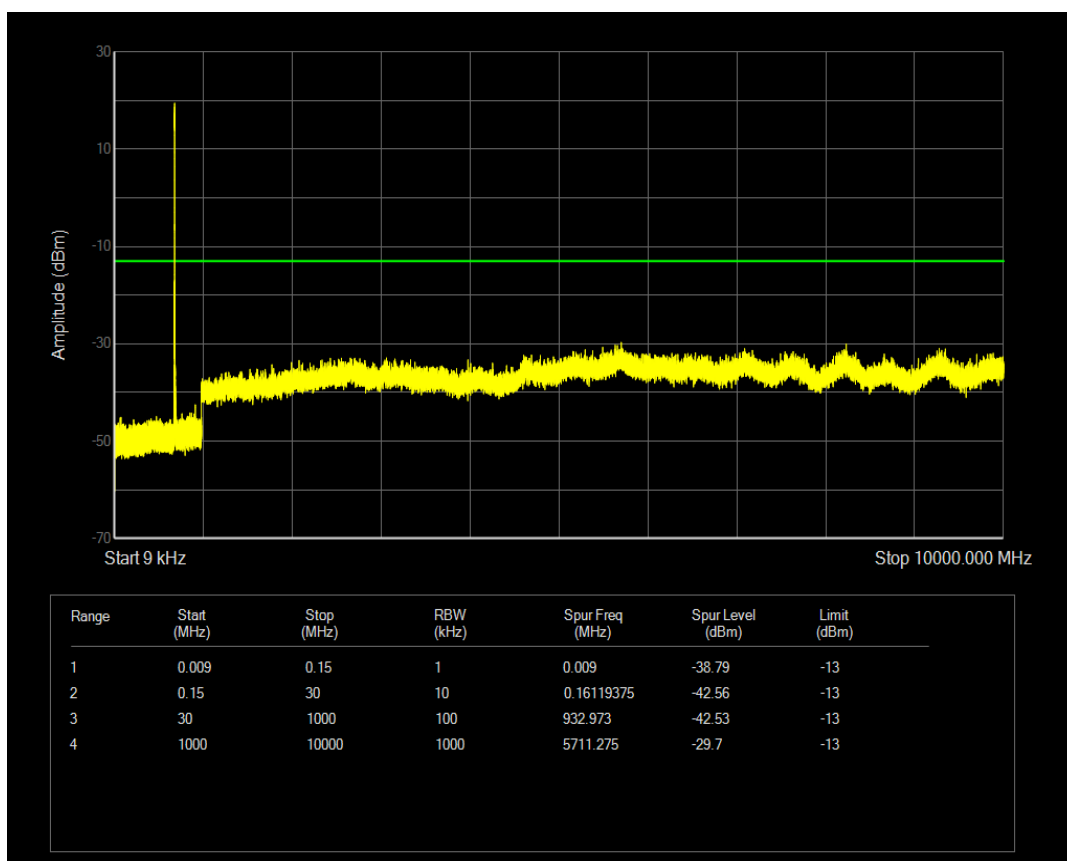
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



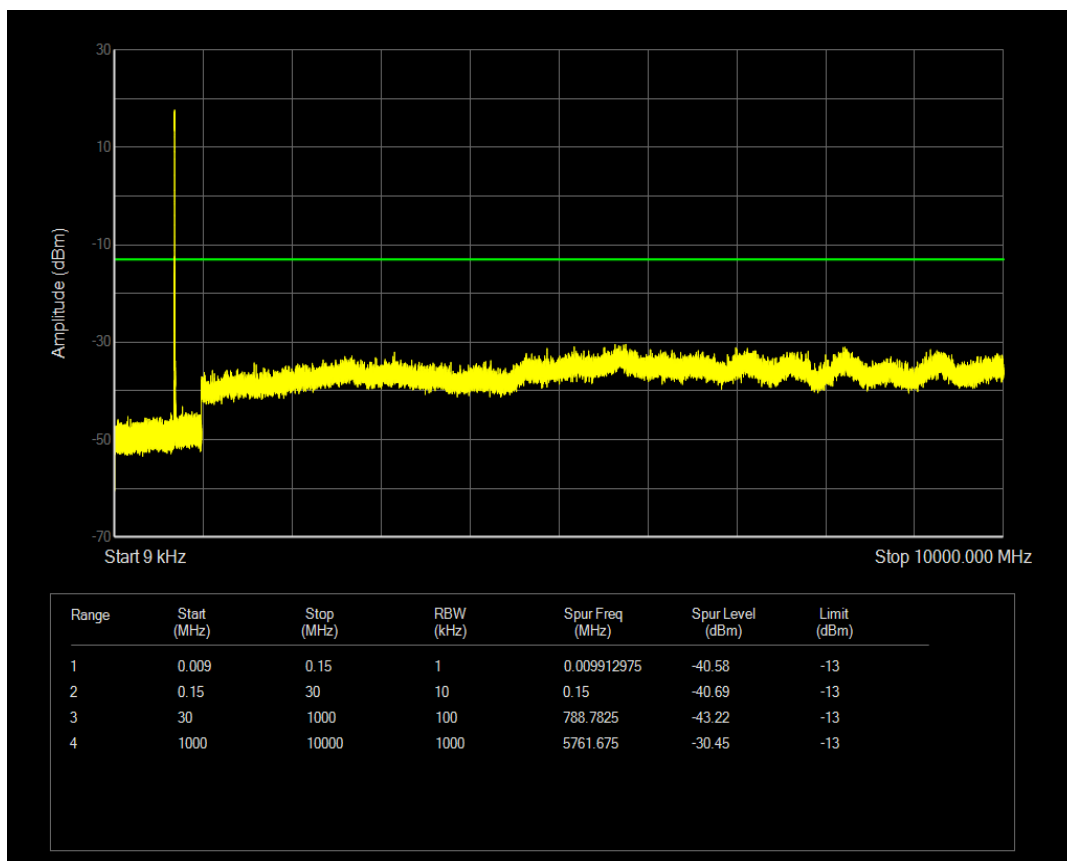
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



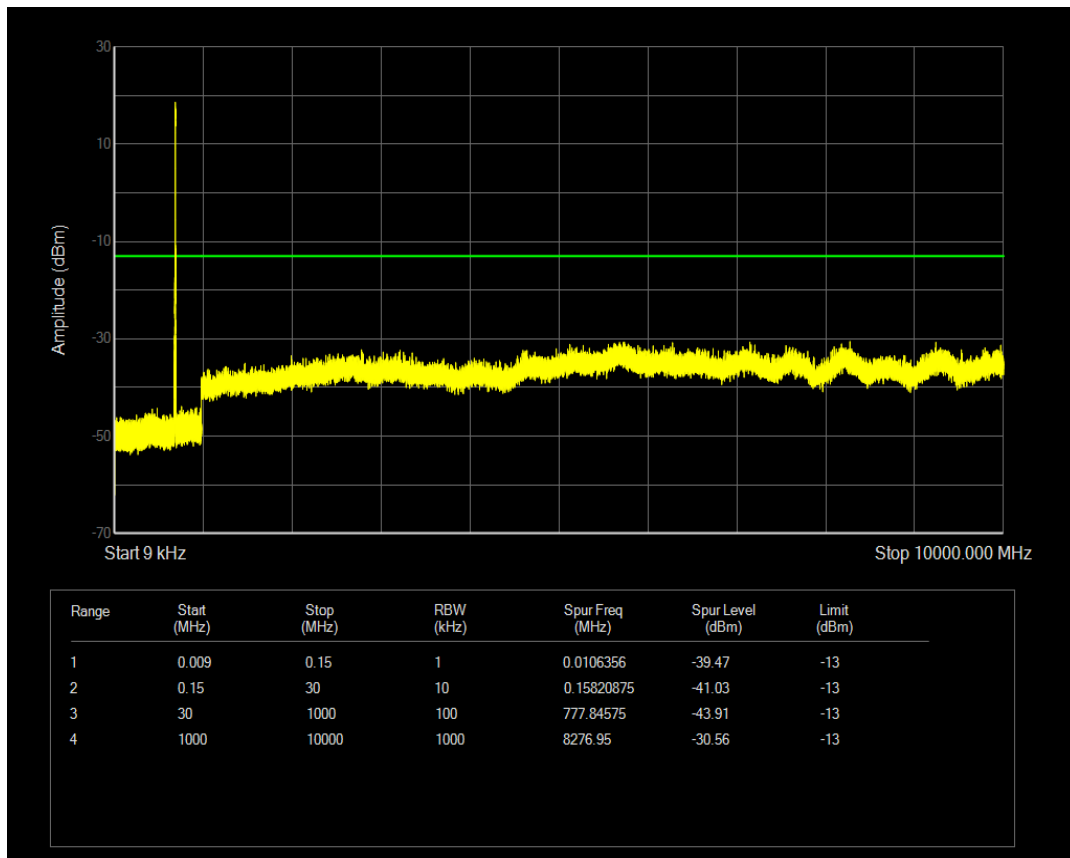
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



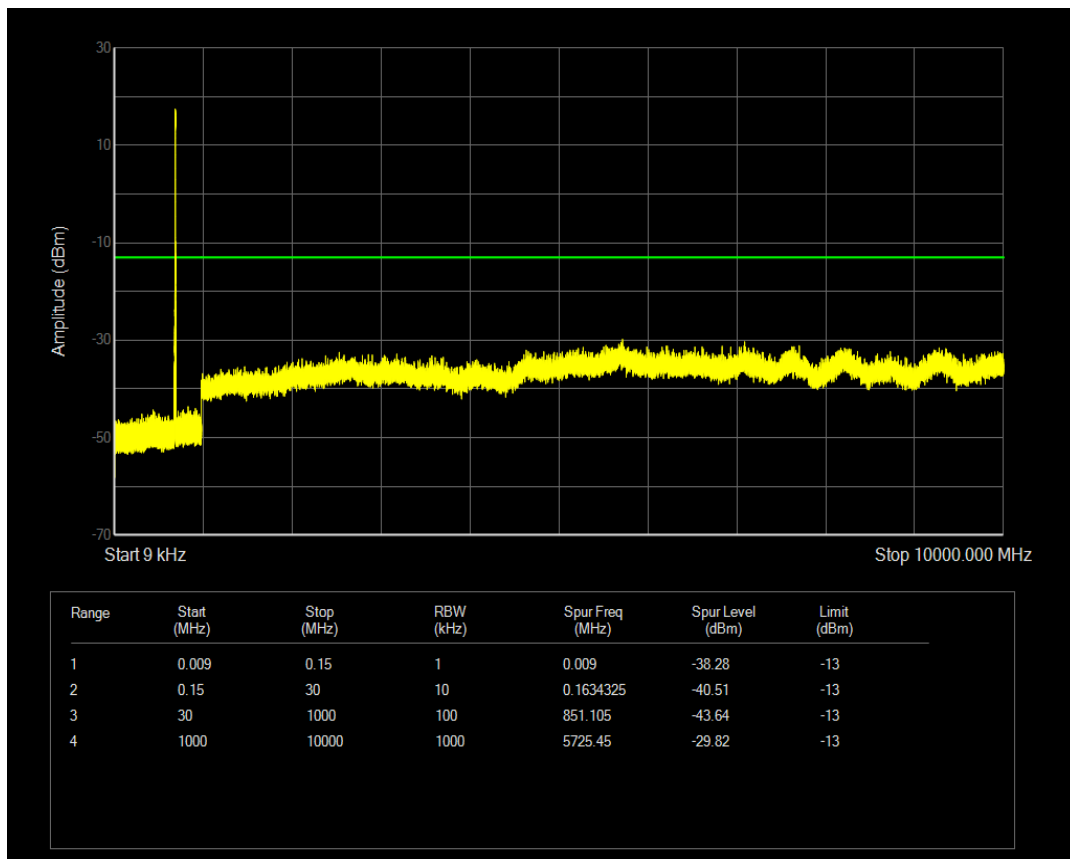
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



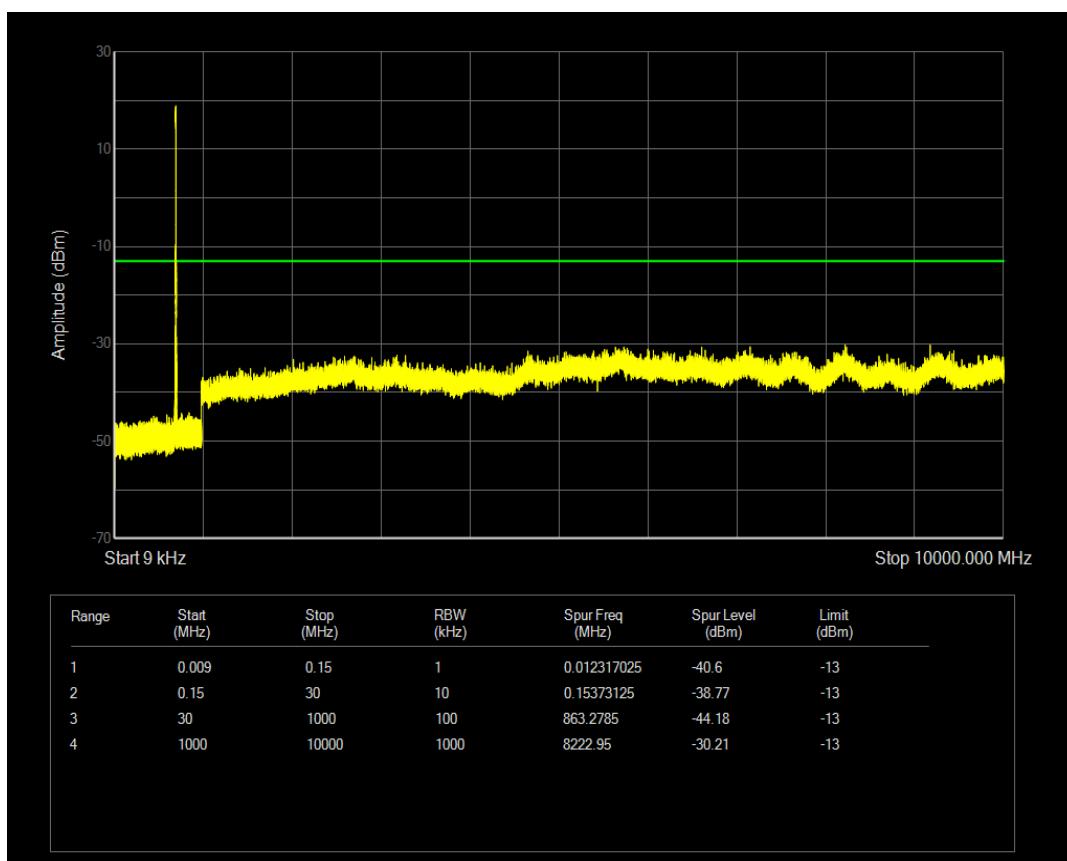
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



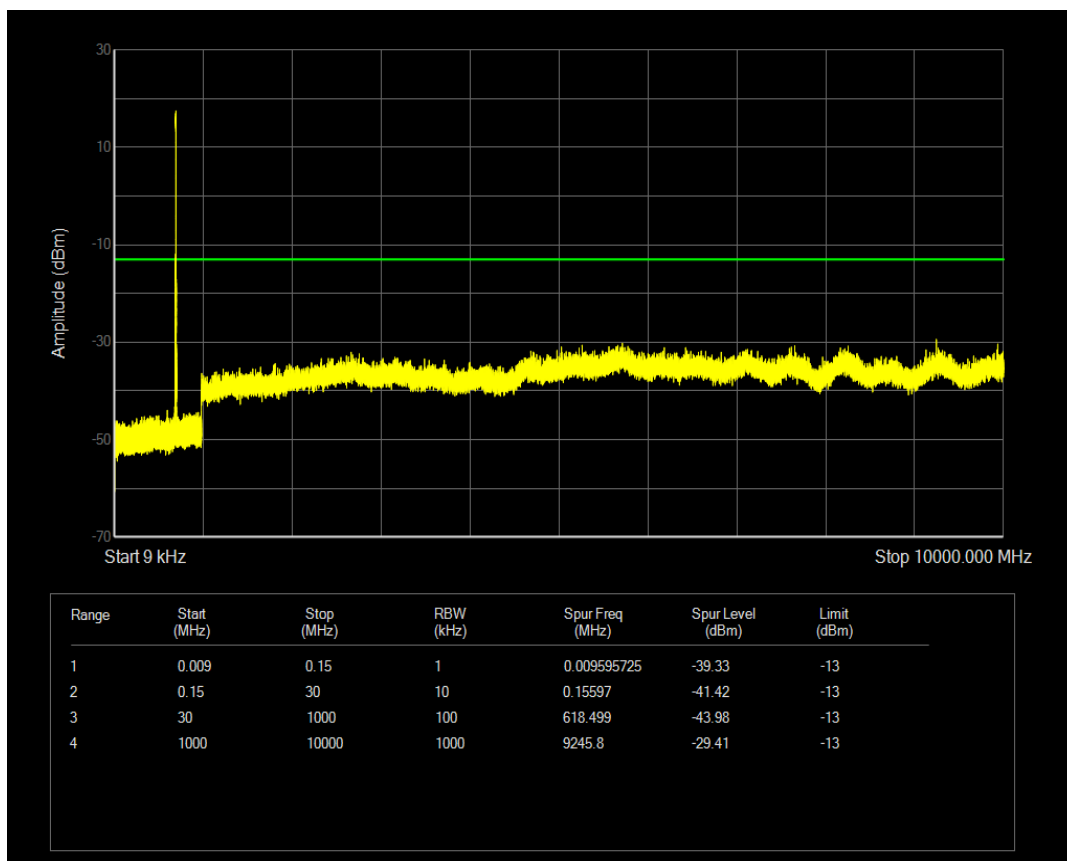
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



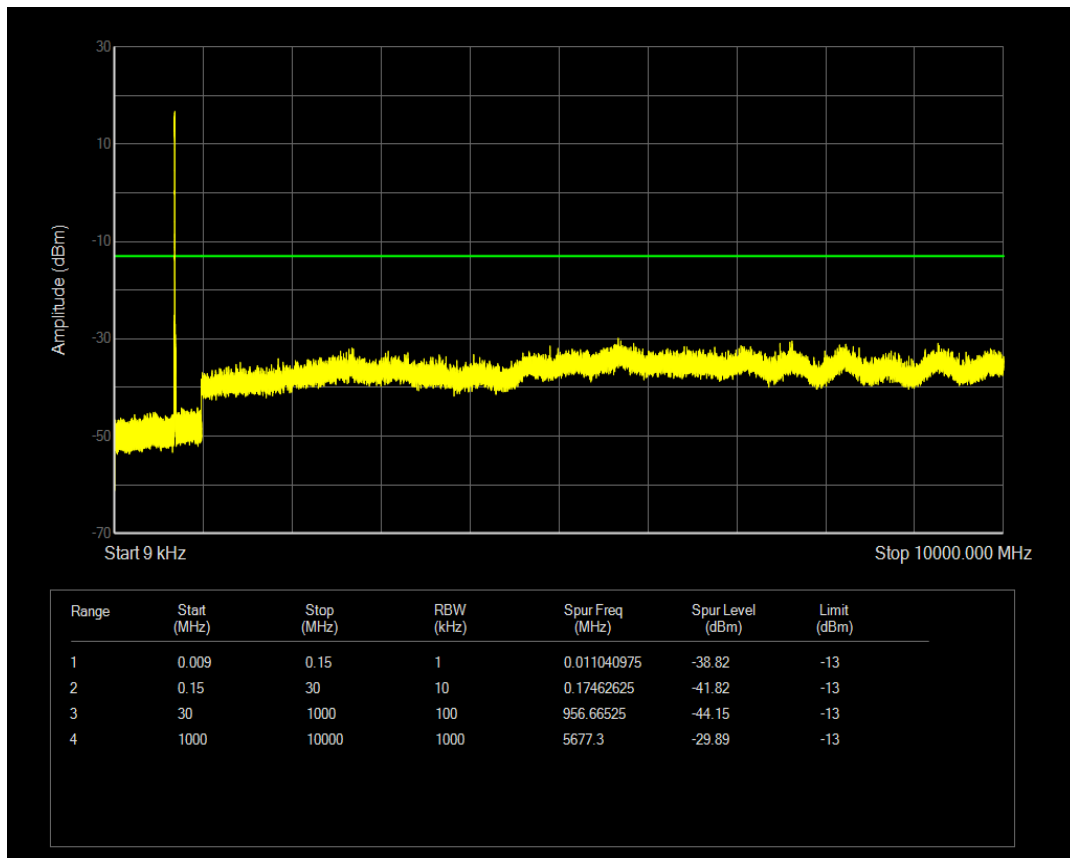
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



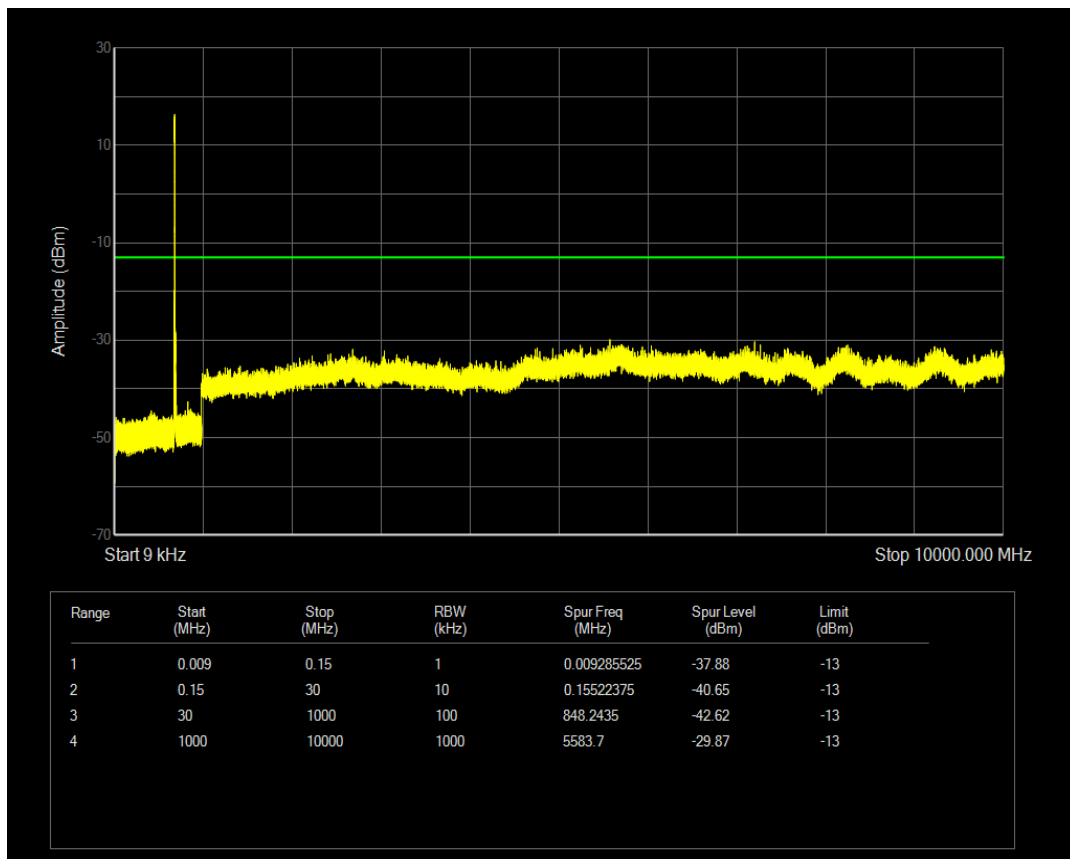
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



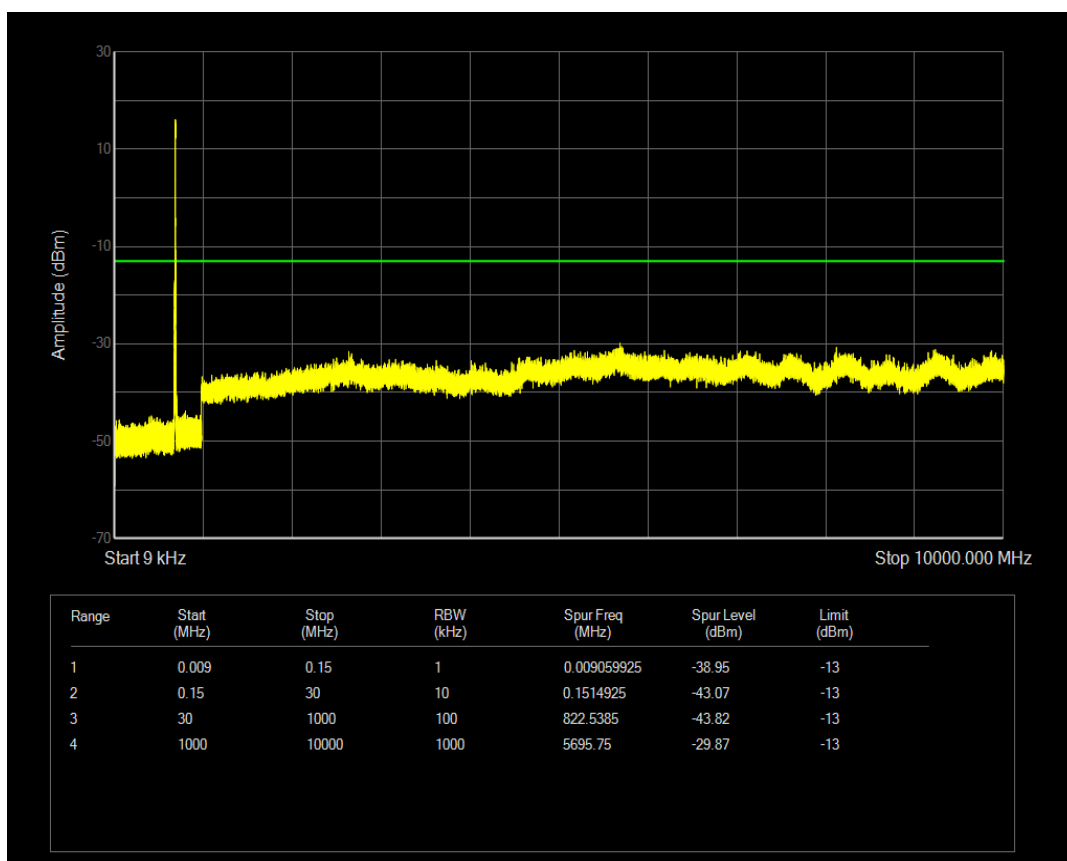
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



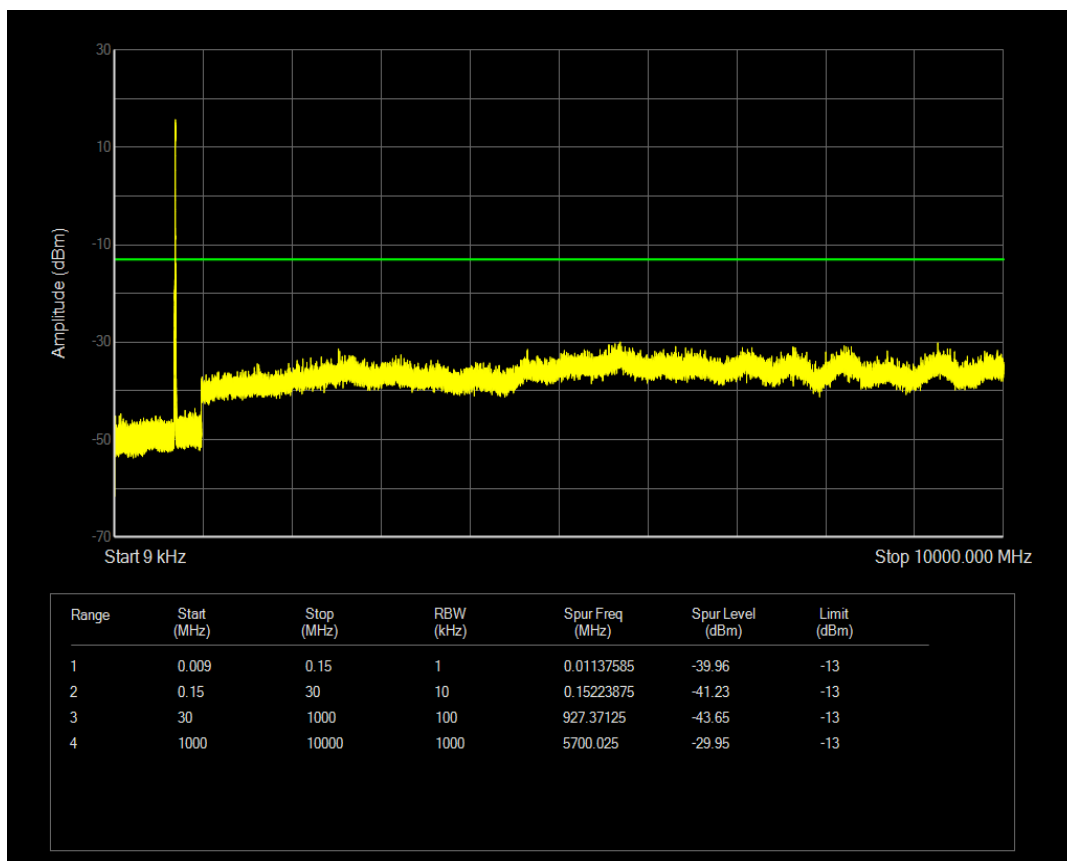
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



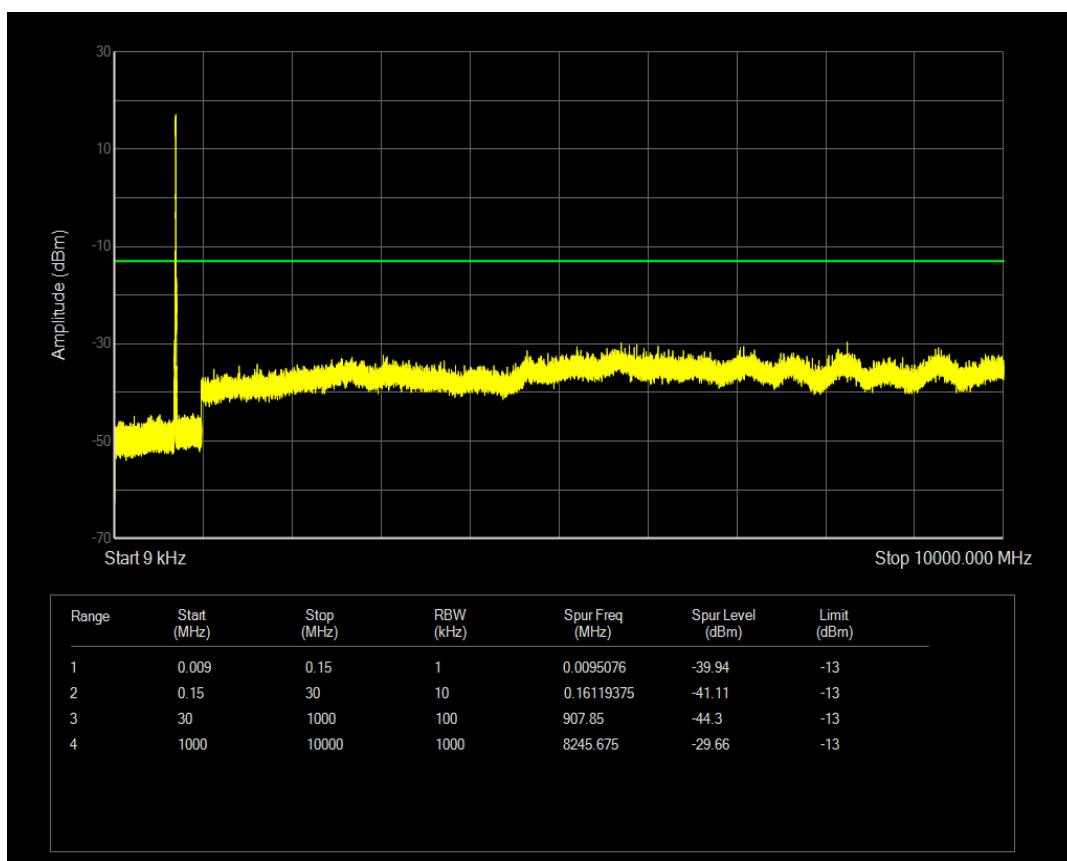
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



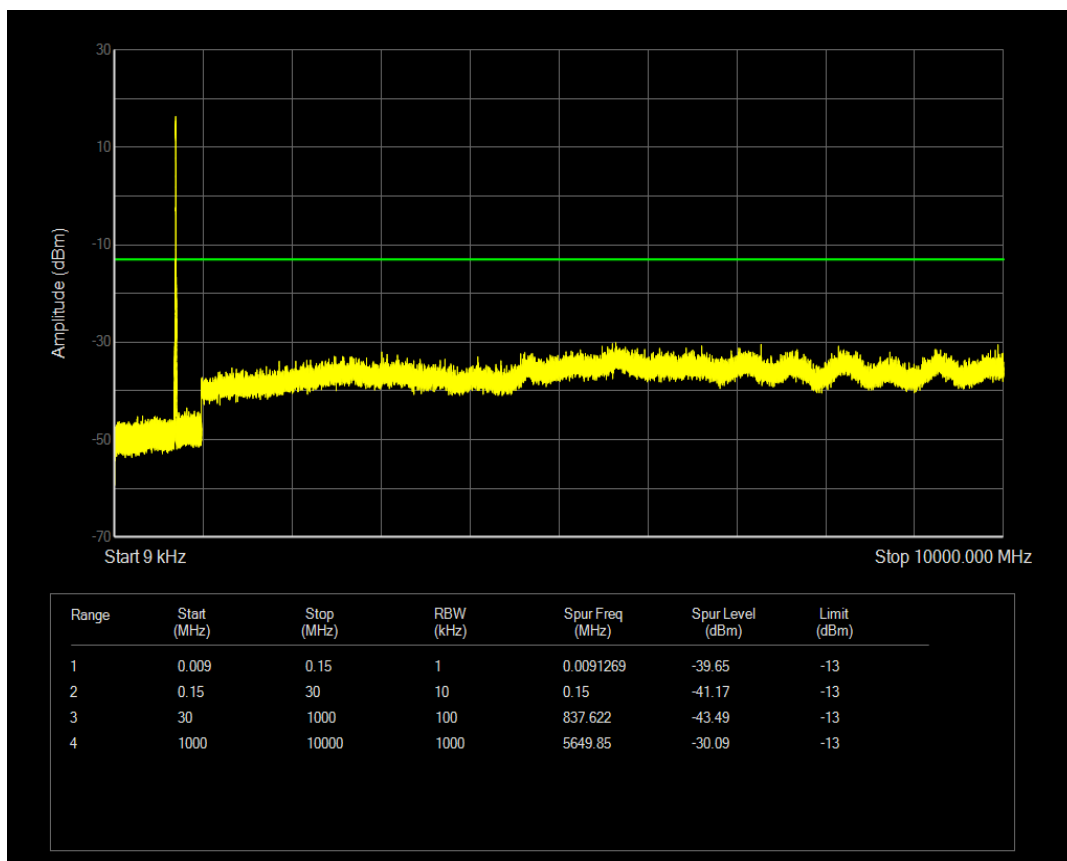
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



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

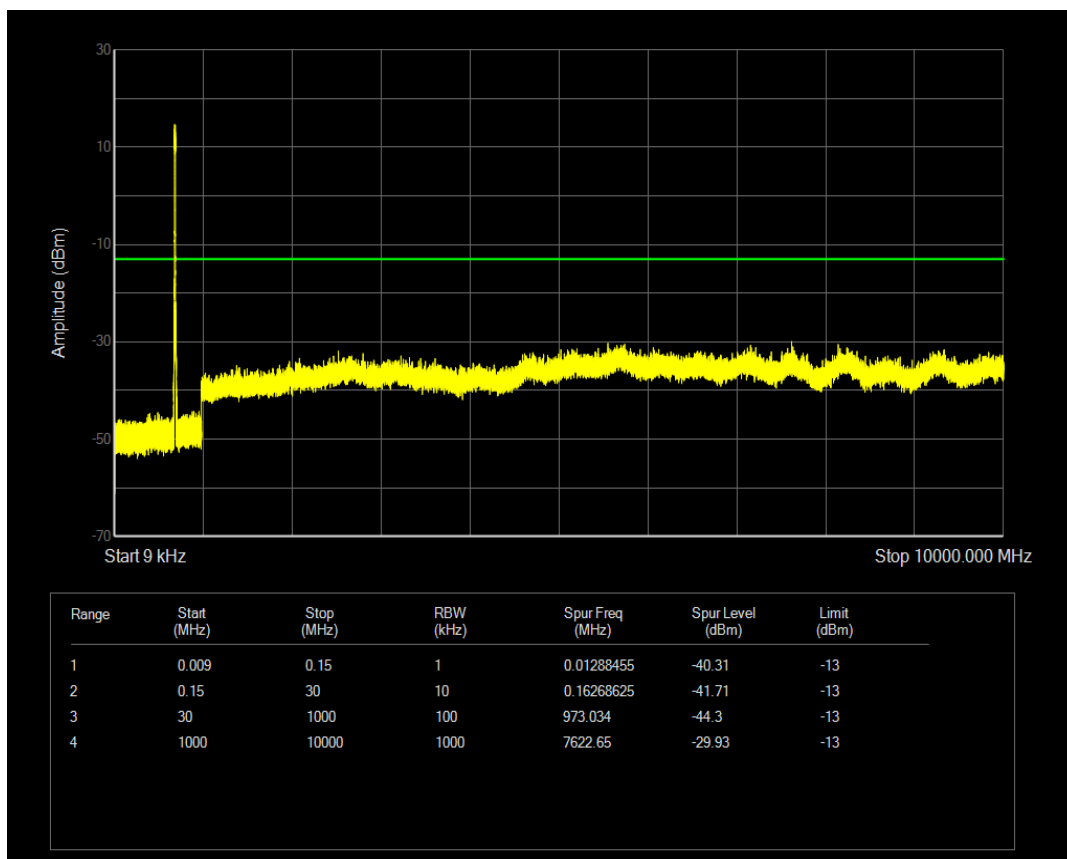


Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0

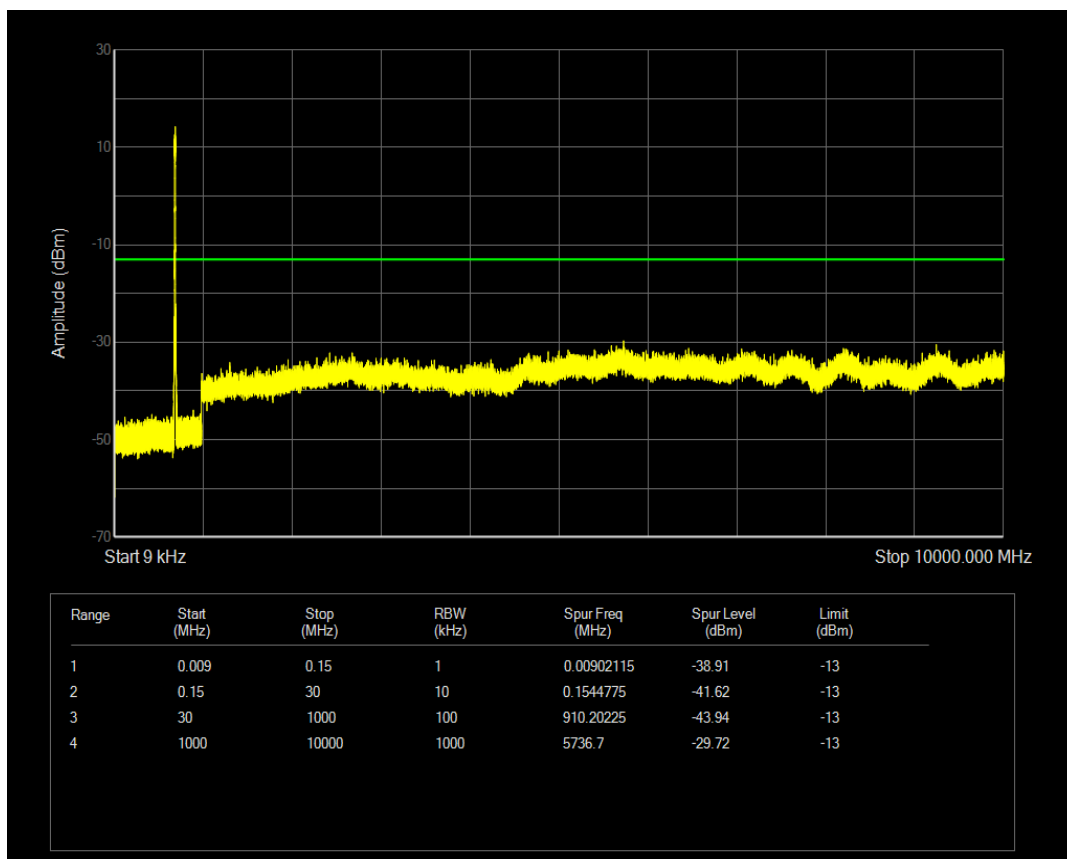




Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0

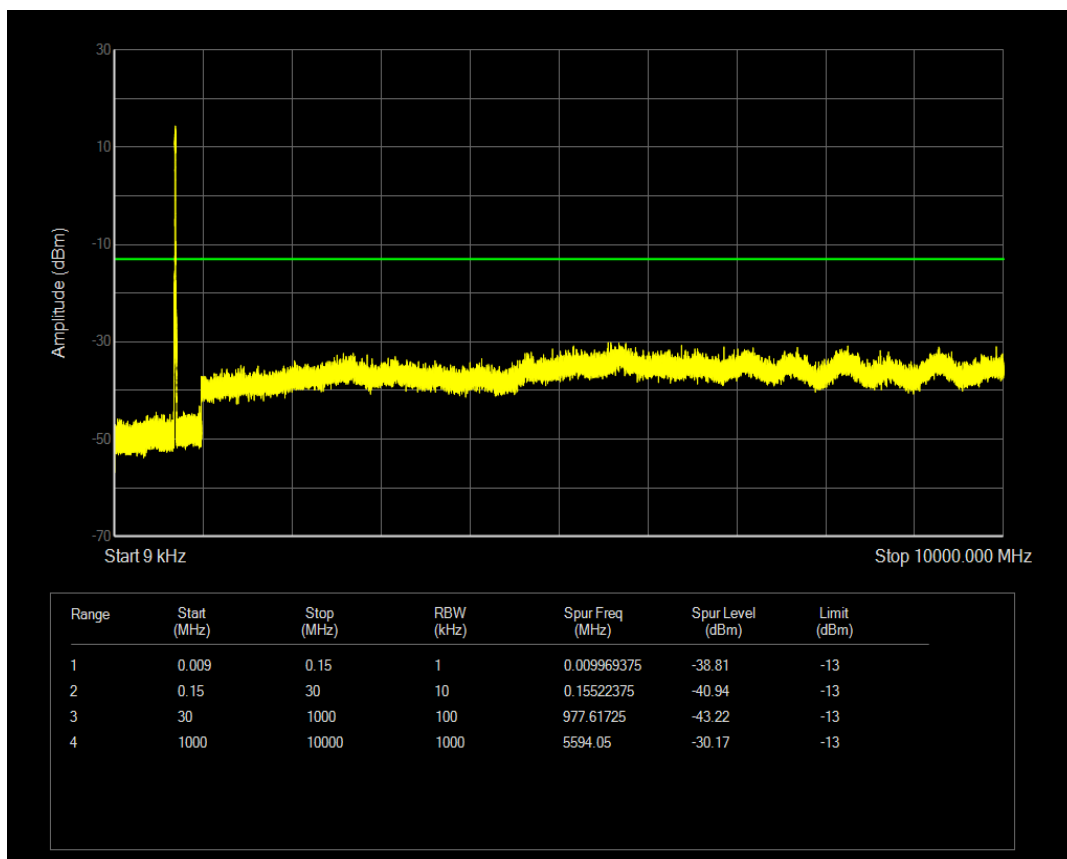


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0

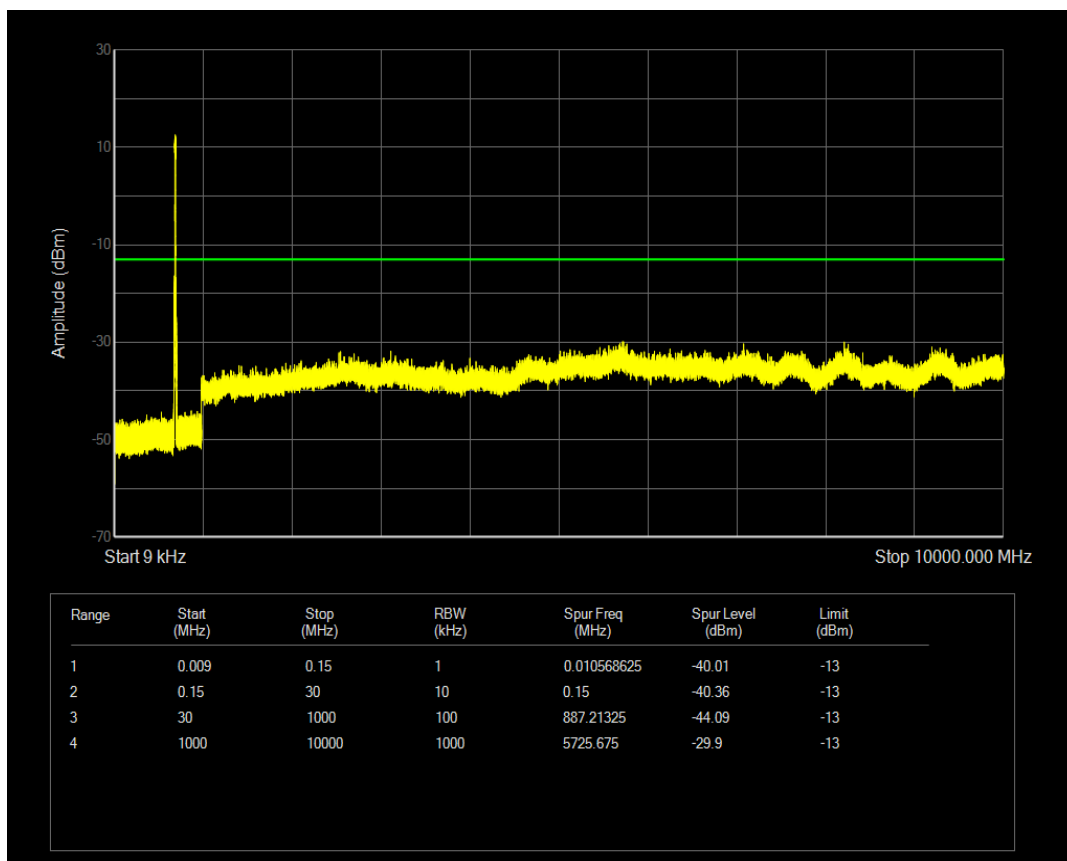




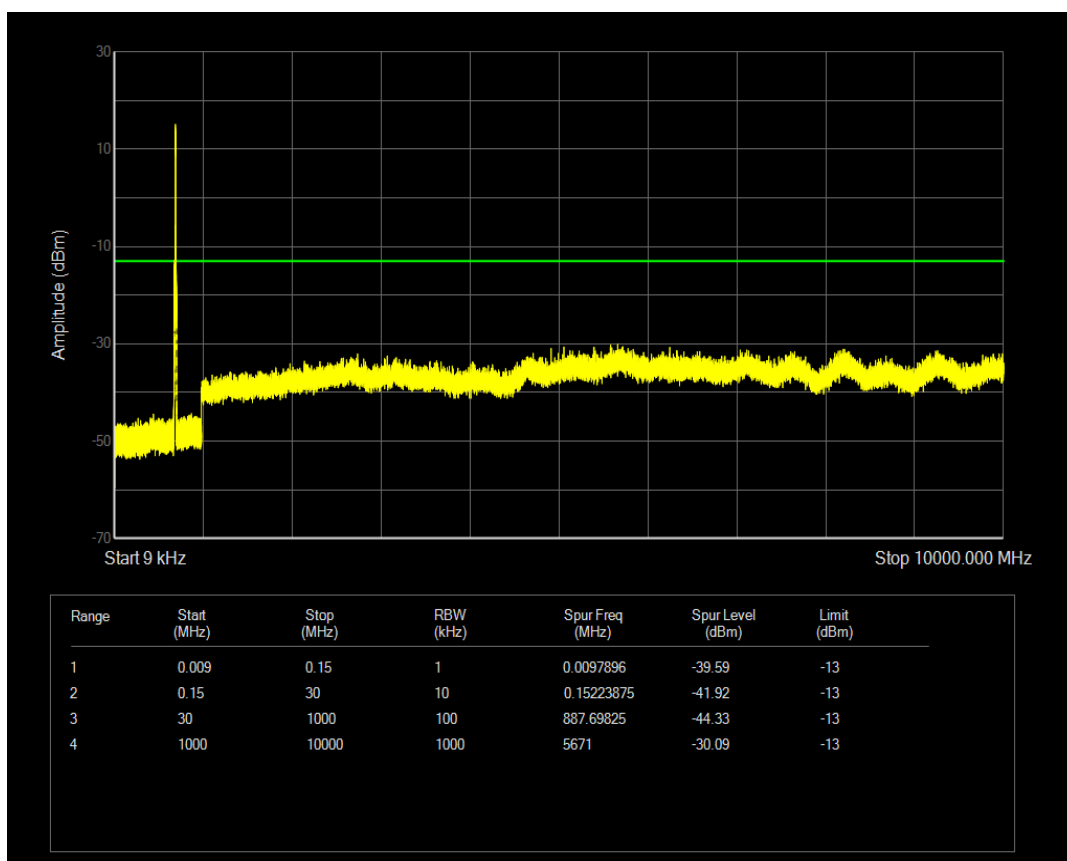
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



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

