

Appendix for Band 12

Report No.: BCTC2504042667-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart Phone

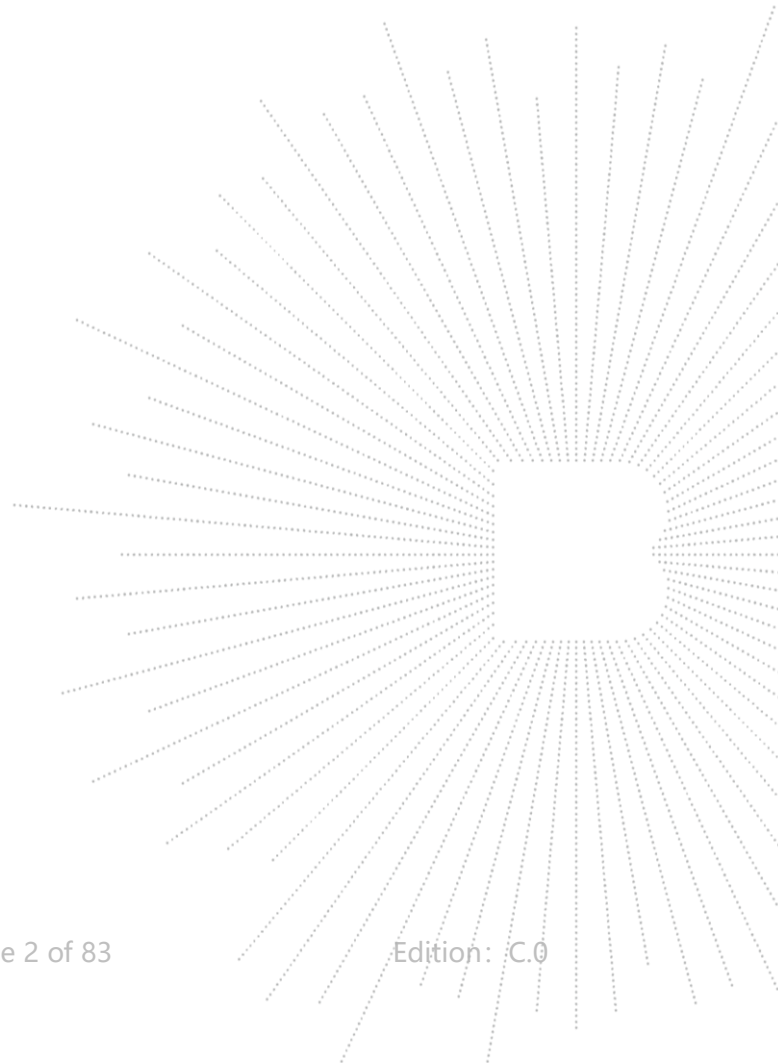
Test Model: F114

Tested Date: 2025-04-07 to 2025-06-05

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	21
Appendix 4. Occupied bandwidth	38
Appendix 5. Band edge	55
Appendix 6. Out-of-band emissions	67



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

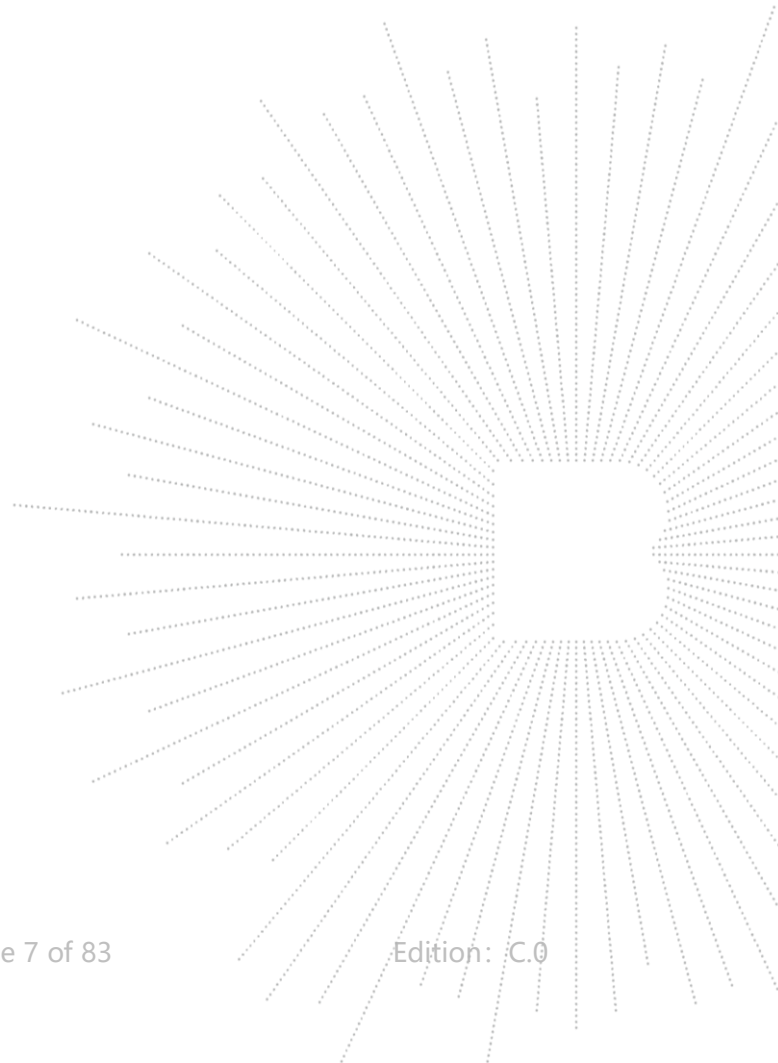
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
NVNT	Band12	1.4	23017	1	#0	QPSK	24.48	-2.91	19.42	PASS
NVNT	Band12	1.4	23017	1	#Mid	QPSK	24.39	-2.91	19.33	PASS
NVNT	Band12	1.4	23017	1	#Max	QPSK	24.63	-2.91	19.57	PASS
NVNT	Band12	1.4	23017	3	#0	QPSK	24.38	-2.91	19.32	PASS
NVNT	Band12	1.4	23017	3	#Mid	QPSK	24.48	-2.91	19.42	PASS
NVNT	Band12	1.4	23017	3	#Max	QPSK	24.45	-2.91	19.39	PASS
NVNT	Band12	1.4	23017	6	#0	QPSK	23.43	-2.91	18.37	PASS
NVNT	Band12	1.4	23017	1	#0	16QAM	24.59	-2.91	19.53	PASS
NVNT	Band12	1.4	23017	1	#Mid	16QAM	24.36	-2.91	19.30	PASS
NVNT	Band12	1.4	23017	1	#Max	16QAM	24.45	-2.91	19.39	PASS
NVNT	Band12	1.4	23017	3	#0	16QAM	23.73	-2.91	18.67	PASS
NVNT	Band12	1.4	23017	3	#Mid	16QAM	23.67	-2.91	18.61	PASS
NVNT	Band12	1.4	23017	3	#Max	16QAM	23.67	-2.91	18.61	PASS
NVNT	Band12	1.4	23017	6	#0	16QAM	22.40	-2.91	17.34	PASS
NVNT	Band12	1.4	23095	1	#0	QPSK	24.53	-2.91	19.47	PASS
NVNT	Band12	1.4	23095	1	#Mid	QPSK	24.67	-2.91	19.61	PASS
NVNT	Band12	1.4	23095	1	#Max	QPSK	24.64	-2.91	19.58	PASS
NVNT	Band12	1.4	23095	3	#0	QPSK	24.55	-2.91	19.49	PASS
NVNT	Band12	1.4	23095	3	#Mid	QPSK	24.56	-2.91	19.50	PASS
NVNT	Band12	1.4	23095	3	#Max	QPSK	24.77	-2.91	19.71	PASS
NVNT	Band12	1.4	23095	6	#0	QPSK	23.41	-2.91	18.35	PASS
NVNT	Band12	1.4	23095	1	#0	16QAM	23.45	-2.91	18.39	PASS
NVNT	Band12	1.4	23095	1	#Mid	16QAM	23.51	-2.91	18.45	PASS
NVNT	Band12	1.4	23095	1	#Max	16QAM	23.57	-2.91	18.51	PASS
NVNT	Band12	1.4	23095	3	#0	16QAM	23.60	-2.91	18.54	PASS
NVNT	Band12	1.4	23095	3	#Mid	16QAM	23.61	-2.91	18.55	PASS
NVNT	Band12	1.4	23095	3	#Max	16QAM	23.60	-2.91	18.54	PASS
NVNT	Band12	1.4	23095	6	#0	16QAM	22.66	-2.91	17.60	PASS
NVNT	Band12	1.4	23173	1	#0	QPSK	24.66	-2.91	19.60	PASS
NVNT	Band12	1.4	23173	1	#Mid	QPSK	24.70	-2.91	19.64	PASS
NVNT	Band12	1.4	23173	1	#Max	QPSK	24.73	-2.91	19.67	PASS
NVNT	Band12	1.4	23173	3	#0	QPSK	24.59	-2.91	19.53	PASS
NVNT	Band12	1.4	23173	3	#Mid	QPSK	24.72	-2.91	19.66	PASS
NVNT	Band12	1.4	23173	3	#Max	QPSK	24.69	-2.91	19.63	PASS
NVNT	Band12	1.4	23173	6	#0	QPSK	23.49	-2.91	18.43	PASS

NVNT	Band12	1.4	23173	1	#0	16QAM	23.66	-2.91	18.60	PASS
NVNT	Band12	1.4	23173	1	#Mid	16QAM	23.73	-2.91	18.67	PASS
NVNT	Band12	1.4	23173	1	#Max	16QAM	23.60	-2.91	18.54	PASS
NVNT	Band12	1.4	23173	3	#0	16QAM	23.51	-2.91	18.45	PASS
NVNT	Band12	1.4	23173	3	#Mid	16QAM	23.53	-2.91	18.47	PASS
NVNT	Band12	1.4	23173	3	#Max	16QAM	23.56	-2.91	18.50	PASS
NVNT	Band12	1.4	23173	6	#0	16QAM	22.66	-2.91	17.60	PASS
NVNT	Band12	3	23025	1	#0	QPSK	24.41	-2.91	19.35	PASS
NVNT	Band12	3	23025	1	#Mid	QPSK	24.44	-2.91	19.38	PASS
NVNT	Band12	3	23025	1	#Max	QPSK	24.35	-2.91	19.29	PASS
NVNT	Band12	3	23025	8	#0	QPSK	23.45	-2.91	18.39	PASS
NVNT	Band12	3	23025	8	#Mid	QPSK	23.51	-2.91	18.45	PASS
NVNT	Band12	3	23025	8	#Max	QPSK	23.49	-2.91	18.43	PASS
NVNT	Band12	3	23025	15	#0	QPSK	23.45	-2.91	18.39	PASS
NVNT	Band12	3	23025	1	#0	16QAM	24.46	-2.91	19.40	PASS
NVNT	Band12	3	23025	1	#Mid	16QAM	24.43	-2.91	19.37	PASS
NVNT	Band12	3	23025	1	#Max	16QAM	24.45	-2.91	19.39	PASS
NVNT	Band12	3	23025	8	#0	16QAM	22.25	-2.91	17.19	PASS
NVNT	Band12	3	23025	8	#Mid	16QAM	22.31	-2.91	17.25	PASS
NVNT	Band12	3	23025	8	#Max	16QAM	22.31	-2.91	17.25	PASS
NVNT	Band12	3	23025	15	#0	16QAM	22.45	-2.91	17.39	PASS
NVNT	Band12	3	23095	1	#0	QPSK	24.61	-2.91	19.55	PASS
NVNT	Band12	3	23095	1	#Mid	QPSK	24.56	-2.91	19.50	PASS
NVNT	Band12	3	23095	1	#Max	QPSK	24.66	-2.91	19.60	PASS
NVNT	Band12	3	23095	8	#0	QPSK	23.55	-2.91	18.49	PASS
NVNT	Band12	3	23095	8	#Mid	QPSK	23.54	-2.91	18.48	PASS
NVNT	Band12	3	23095	8	#Max	QPSK	23.39	-2.91	18.33	PASS
NVNT	Band12	3	23095	15	#0	QPSK	23.49	-2.91	18.43	PASS
NVNT	Band12	3	23095	1	#0	16QAM	23.53	-2.91	18.47	PASS
NVNT	Band12	3	23095	1	#Mid	16QAM	23.43	-2.91	18.37	PASS
NVNT	Band12	3	23095	1	#Max	16QAM	23.45	-2.91	18.39	PASS
NVNT	Band12	3	23095	8	#0	16QAM	22.99	-2.91	17.93	PASS
NVNT	Band12	3	23095	8	#Mid	16QAM	22.47	-2.91	17.41	PASS
NVNT	Band12	3	23095	8	#Max	16QAM	22.45	-2.91	17.39	PASS
NVNT	Band12	3	23095	15	#0	16QAM	22.50	-2.91	17.44	PASS
NVNT	Band12	3	23165	1	#0	QPSK	24.46	-2.91	19.40	PASS
NVNT	Band12	3	23165	1	#Mid	QPSK	24.71	-2.91	19.65	PASS
NVNT	Band12	3	23165	1	#Max	QPSK	24.72	-2.91	19.66	PASS
NVNT	Band12	3	23165	8	#0	QPSK	23.68	-2.91	18.62	PASS
NVNT	Band12	3	23165	8	#Mid	QPSK	23.66	-2.91	18.60	PASS
NVNT	Band12	3	23165	8	#Max	QPSK	23.60	-2.91	18.54	PASS
NVNT	Band12	3	23165	15	#0	QPSK	23.73	-2.91	18.67	PASS

NVNT	Band12	3	23165	1	#0	16QAM	23.68	-2.91	18.62	PASS
NVNT	Band12	3	23165	1	#Mid	16QAM	23.71	-2.91	18.65	PASS
NVNT	Band12	3	23165	1	#Max	16QAM	23.62	-2.91	18.56	PASS
NVNT	Band12	3	23165	8	#0	16QAM	23.13	-2.91	18.07	PASS
NVNT	Band12	3	23165	8	#Mid	16QAM	23.10	-2.91	18.04	PASS
NVNT	Band12	3	23165	8	#Max	16QAM	22.57	-2.91	17.51	PASS
NVNT	Band12	3	23165	15	#0	16QAM	23.10	-2.91	18.04	PASS
NVNT	Band12	5	23035	1	#0	QPSK	24.42	-2.91	19.36	PASS
NVNT	Band12	5	23035	1	#Mid	QPSK	24.39	-2.91	19.33	PASS
NVNT	Band12	5	23035	1	#Max	QPSK	24.47	-2.91	19.41	PASS
NVNT	Band12	5	23035	12	#0	QPSK	23.53	-2.91	18.47	PASS
NVNT	Band12	5	23035	12	#Mid	QPSK	23.44	-2.91	18.38	PASS
NVNT	Band12	5	23035	12	#Max	QPSK	23.44	-2.91	18.38	PASS
NVNT	Band12	5	23035	25	#0	QPSK	23.40	-2.91	18.34	PASS
NVNT	Band12	5	23035	1	#0	16QAM	23.60	-2.91	18.54	PASS
NVNT	Band12	5	23035	1	#Mid	16QAM	23.56	-2.91	18.50	PASS
NVNT	Band12	5	23035	1	#Max	16QAM	23.69	-2.91	18.63	PASS
NVNT	Band12	5	23035	12	#0	16QAM	22.43	-2.91	17.37	PASS
NVNT	Band12	5	23035	12	#Mid	16QAM	22.36	-2.91	17.30	PASS
NVNT	Band12	5	23035	12	#Max	16QAM	22.41	-2.91	17.35	PASS
NVNT	Band12	5	23035	25	#0	16QAM	22.75	-2.91	17.69	PASS
NVNT	Band12	5	23095	1	#0	QPSK	24.52	-2.91	19.46	PASS
NVNT	Band12	5	23095	1	#Mid	QPSK	24.58	-2.91	19.52	PASS
NVNT	Band12	5	23095	1	#Max	QPSK	24.56	-2.91	19.50	PASS
NVNT	Band12	5	23095	12	#0	QPSK	23.50	-2.91	18.44	PASS
NVNT	Band12	5	23095	12	#Mid	QPSK	23.52	-2.91	18.46	PASS
NVNT	Band12	5	23095	12	#Max	QPSK	23.51	-2.91	18.45	PASS
NVNT	Band12	5	23095	25	#0	QPSK	23.58	-2.91	18.52	PASS
NVNT	Band12	5	23095	1	#0	16QAM	23.55	-2.91	18.49	PASS
NVNT	Band12	5	23095	1	#Mid	16QAM	23.50	-2.91	18.44	PASS
NVNT	Band12	5	23095	1	#Max	16QAM	23.59	-2.91	18.53	PASS
NVNT	Band12	5	23095	12	#0	16QAM	22.86	-2.91	17.80	PASS
NVNT	Band12	5	23095	12	#Mid	16QAM	22.29	-2.91	17.23	PASS
NVNT	Band12	5	23095	12	#Max	16QAM	22.27	-2.91	17.21	PASS
NVNT	Band12	5	23095	25	#0	16QAM	22.49	-2.91	17.43	PASS
NVNT	Band12	5	23155	1	#0	QPSK	-20.43	-2.91	-25.49	PASS
NVNT	Band12	5	23155	1	#Mid	QPSK	24.62	-2.91	19.56	PASS
NVNT	Band12	5	23155	1	#Max	QPSK	24.63	-2.91	19.57	PASS
NVNT	Band12	5	23155	12	#0	QPSK	23.61	-2.91	18.55	PASS
NVNT	Band12	5	23155	12	#Mid	QPSK	23.69	-2.91	18.63	PASS
NVNT	Band12	5	23155	12	#Max	QPSK	23.56	-2.91	18.50	PASS
NVNT	Band12	5	23155	25	#0	QPSK	23.59	-2.91	18.53	PASS

NVNT	Band12	5	23155	1	#0	16QAM	23.57	-2.91	18.51	PASS
NVNT	Band12	5	23155	1	#Mid	16QAM	23.66	-2.91	18.60	PASS
NVNT	Band12	5	23155	1	#Max	16QAM	23.65	-2.91	18.59	PASS
NVNT	Band12	5	23155	12	#0	16QAM	22.36	-2.91	17.30	PASS
NVNT	Band12	5	23155	12	#Mid	16QAM	22.88	-2.91	17.82	PASS
NVNT	Band12	5	23155	12	#Max	16QAM	22.86	-2.91	17.80	PASS
NVNT	Band12	5	23155	25	#0	16QAM	23.06	-2.91	18.00	PASS
NVNT	Band12	10	23060	1	#0	QPSK	24.42	-2.91	19.36	PASS
NVNT	Band12	10	23060	1	#Mid	QPSK	24.51	-2.91	19.45	PASS
NVNT	Band12	10	23060	1	#Max	QPSK	24.41	-2.91	19.35	PASS
NVNT	Band12	10	23060	25	#0	QPSK	23.41	-2.91	18.35	PASS
NVNT	Band12	10	23060	25	#Mid	QPSK	23.37	-2.91	18.31	PASS
NVNT	Band12	10	23060	25	#Max	QPSK	23.38	-2.91	18.32	PASS
NVNT	Band12	10	23060	50	#0	QPSK	23.41	-2.91	18.35	PASS
NVNT	Band12	10	23060	1	#0	16QAM	24.39	-2.91	19.33	PASS
NVNT	Band12	10	23060	1	#Mid	16QAM	24.36	-2.91	19.30	PASS
NVNT	Band12	10	23060	1	#Max	16QAM	24.26	-2.91	19.20	PASS
NVNT	Band12	10	23060	25	#0	16QAM	22.37	-2.91	17.31	PASS
NVNT	Band12	10	23060	25	#Mid	16QAM	22.46	-2.91	17.40	PASS
NVNT	Band12	10	23060	25	#Max	16QAM	23.00	-2.91	17.94	PASS
NVNT	Band12	10	23060	50	#0	16QAM	22.55	-2.91	17.49	PASS
NVNT	Band12	10	23095	1	#0	QPSK	24.46	-2.91	19.40	PASS
NVNT	Band12	10	23095	1	#Mid	QPSK	24.55	-2.91	19.49	PASS
NVNT	Band12	10	23095	1	#Max	QPSK	24.57	-2.91	19.51	PASS
NVNT	Band12	10	23095	25	#0	QPSK	23.48	-2.91	18.42	PASS
NVNT	Band12	10	23095	25	#Mid	QPSK	23.59	-2.91	18.53	PASS
NVNT	Band12	10	23095	25	#Max	QPSK	23.55	-2.91	18.49	PASS
NVNT	Band12	10	23095	50	#0	QPSK	23.51	-2.91	18.45	PASS
NVNT	Band12	10	23095	1	#0	16QAM	24.08	-2.91	19.02	PASS
NVNT	Band12	10	23095	1	#Mid	16QAM	24.22	-2.91	19.16	PASS
NVNT	Band12	10	23095	1	#Max	16QAM	24.20	-2.91	19.14	PASS
NVNT	Band12	10	23095	25	#0	16QAM	23.07	-2.91	18.01	PASS
NVNT	Band12	10	23095	25	#Mid	16QAM	22.48	-2.91	17.42	PASS
NVNT	Band12	10	23095	25	#Max	16QAM	22.45	-2.91	17.39	PASS
NVNT	Band12	10	23095	50	#0	16QAM	22.57	-2.91	17.51	PASS
NVNT	Band12	10	23130	1	#0	QPSK	24.48	-2.91	19.42	PASS
NVNT	Band12	10	23130	1	#Mid	QPSK	24.51	-2.91	19.45	PASS
NVNT	Band12	10	23130	1	#Max	QPSK	24.63	-2.91	19.57	PASS
NVNT	Band12	10	23130	25	#0	QPSK	23.64	-2.91	18.58	PASS
NVNT	Band12	10	23130	25	#Mid	QPSK	23.61	-2.91	18.55	PASS
NVNT	Band12	10	23130	25	#Max	QPSK	23.52	-2.91	18.46	PASS
NVNT	Band12	10	23130	50	#0	QPSK	23.51	-2.91	18.45	PASS

NVNT	Band12	10	23130	1	#0	16QAM	23.92	-2.91	18.86	PASS
NVNT	Band12	10	23130	1	#Mid	16QAM	23.86	-2.91	18.80	PASS
NVNT	Band12	10	23130	1	#Max	16QAM	24.02	-2.91	18.96	PASS
NVNT	Band12	10	23130	25	#0	16QAM	22.53	-2.91	17.47	PASS
NVNT	Band12	10	23130	25	#Mid	16QAM	22.56	-2.91	17.50	PASS
NVNT	Band12	10	23130	25	#Max	16QAM	23.14	-2.91	18.08	PASS
NVNT	Band12	10	23130	50	#0	16QAM	22.47	-2.91	17.41	PASS



Appendix 2.Frequency stability

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
NVNT	Band1 2	1.4	23017	6	#0	QPSK	LV	NT	-17.87	-0.026	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	NT	-77.95	-0.111	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	HV	NT	-118.40	-0.169	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	LV	NT	-156.13	-0.223	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	NT	-182.29	-0.261	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	HV	NT	-207.21	-0.296	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	LV	NT	-26.41	-0.037	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	NT	-7.50	-0.011	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	HV	NT	-30.27	-0.043	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	LV	NT	-7.40	-0.010	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	NT	-16.31	-0.023	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	HV	NT	-31.23	-0.044	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	LV	NT	-17.22	-0.024	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	NT	-37.06	-0.052	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	HV	NT	-0.29	0.000	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	LV	NT	-16.21	-0.023	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	NT	-24.38	-0.034	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	HV	NT	-33.30	-0.047	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	LV	NT	-22.59	-0.032	PASS

NVNT	Band1 2	3	23025	15	#0	QPSK	NV	NT	-21.96	-0.031	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	HV	NT	-16.25	-0.023	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	LV	NT	-29.13	-0.042	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	NT	-37.14	-0.053	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	HV	NT	-45.22	-0.065	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	LV	NT	-2.42	-0.003	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	NT	-18.05	-0.026	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	HV	NT	-29.98	-0.042	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	LV	NT	-37.36	-0.053	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	NT	-41.83	-0.059	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	HV	NT	-20.14	-0.028	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	LV	NT	1.30	0.002	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	NT	-12.29	-0.017	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	HV	NT	-20.44	-0.029	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	LV	NT	-26.76	-0.037	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	NT	-29.34	-0.041	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	HV	NT	-33.49	-0.047	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	LV	NT	-21.24	-0.030	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	NT	-43.79	-0.062	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	HV	NT	-7.01	-0.010	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	LV	NT	0.64	0.001	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	NT	1.73	0.002	PASS

	2										
NVNT	Band1 2	5	23035	25	#0	16QAM	HV	NT	-0.20	0.000	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	LV	NT	6.12	0.009	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	NT	-4.56	-0.006	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	HV	NT	-8.85	-0.013	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	LV	NT	-10.66	-0.015	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	NT	-9.33	-0.013	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	HV	NT	-11.30	-0.016	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	LV	NT	-1.00	-0.001	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	NT	-10.54	-0.015	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	HV	NT	-13.76	-0.019	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	LV	NT	-13.96	-0.020	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	NT	-11.64	-0.016	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	HV	NT	-12.62	-0.018	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	LV	NT	-38.74	-0.055	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	NT	-1.57	-0.002	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	HV	NT	2.07	0.003	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	LV	NT	7.57	0.011	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	NT	11.74	0.017	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	HV	NT	12.16	0.017	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	LV	NT	1.03	0.001	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	NT	-4.72	-0.007	PASS

NVNT	Band1 2	10	23095	50	#0	QPSK	HV	NT	-4.68	-0.007	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	LV	NT	-2.19	-0.003	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	NT	2.73	0.004	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	HV	NT	1.36	0.002	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	LV	NT	1.56	0.002	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	NT	-4.43	-0.006	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	HV	NT	-1.16	-0.002	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	LV	NT	4.11	0.006	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	NT	7.90	0.011	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	HV	NT	7.67	0.011	PASS

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	-30	-13.82	-0.020	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	-20	-27.92	-0.040	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	0	-31.31	-0.045	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	10	-39.02	-0.056	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	20	-37.28	-0.053	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	30	-42.44	-0.061	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	40	-38.88	-0.056	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	50	-41.58	-0.059	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	-30	-45.36	-0.065	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	-20	-28.71	-0.041	PASS

	2										
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	0	-18.55	-0.027	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	10	-16.94	-0.024	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	20	-35.61	-0.051	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	30	-25.41	-0.036	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	40	-4.31	-0.006	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	50	-40.24	-0.058	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	-30	-42.11	-0.060	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	-20	-32.42	-0.046	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	0	-22.06	-0.031	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	10	-8.37	-0.012	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	20	-45.39	-0.064	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	30	-30.00	-0.042	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	40	-18.48	-0.026	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	50	-41.03	-0.058	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	-30	-33.87	-0.048	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	-20	-5.72	-0.008	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	0	-28.97	-0.041	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	10	-7.57	-0.011	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	20	-30.40	-0.043	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	30	-5.29	-0.007	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	40	-28.62	-0.040	PASS

NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	50	-2.17	-0.003	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	-30	-27.45	-0.038	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	-20	-7.14	-0.010	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	0	-36.72	-0.051	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	10	-21.11	-0.030	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	20	-28.62	-0.040	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	30	-25.65	-0.036	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	40	-23.89	-0.033	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	50	-31.89	-0.045	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	-30	-13.85	-0.019	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	-20	-31.97	-0.045	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	0	-44.22	-0.062	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	10	-16.61	-0.023	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	20	-33.83	-0.047	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	30	-10.73	-0.015	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	40	-18.08	-0.025	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	50	-35.33	-0.049	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	-30	4.62	0.007	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	-20	-42.94	-0.061	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	0	-34.26	-0.049	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	10	-30.43	-0.043	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	20	-16.99	-0.024	PASS

	2										
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	30	-20.71	-0.030	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	40	-33.69	-0.048	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	50	-13.63	-0.019	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	-30	-42.72	-0.061	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	-20	-12.33	-0.018	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	0	-31.04	-0.044	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	10	-28.77	-0.041	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	20	-15.22	-0.022	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	30	-33.46	-0.048	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	40	-0.76	-0.001	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	50	-17.18	-0.025	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	-30	-7.70	-0.011	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	-20	-30.18	-0.043	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	0	-5.36	-0.008	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	10	-26.75	-0.038	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	20	-38.80	-0.055	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	30	-18.12	-0.026	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	40	-35.69	-0.050	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	50	0.07	0.000	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	-30	-18.20	-0.026	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	-20	-27.71	-0.039	PASS

NVNT	Band1 2	3	23095	15	#0	16QAM	NV	0	-38.04	-0.054	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	10	-47.95	-0.068	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	20	-12.39	-0.018	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	30	-23.09	-0.033	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	40	-33.39	-0.047	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	50	-43.80	-0.062	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	-30	-2.78	-0.004	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	-20	-20.37	-0.029	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	0	-37.39	-0.052	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	10	-7.77	-0.011	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	20	-22.23	-0.031	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	30	-36.64	-0.051	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	40	-29.24	-0.041	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	50	-20.67	-0.029	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	-30	-33.90	-0.047	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	-20	-42.21	-0.059	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	0	-1.66	-0.002	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	10	-9.73	-0.014	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	20	-18.95	-0.027	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	30	-28.34	-0.040	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	40	-38.71	-0.054	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	50	-46.33	-0.065	PASS

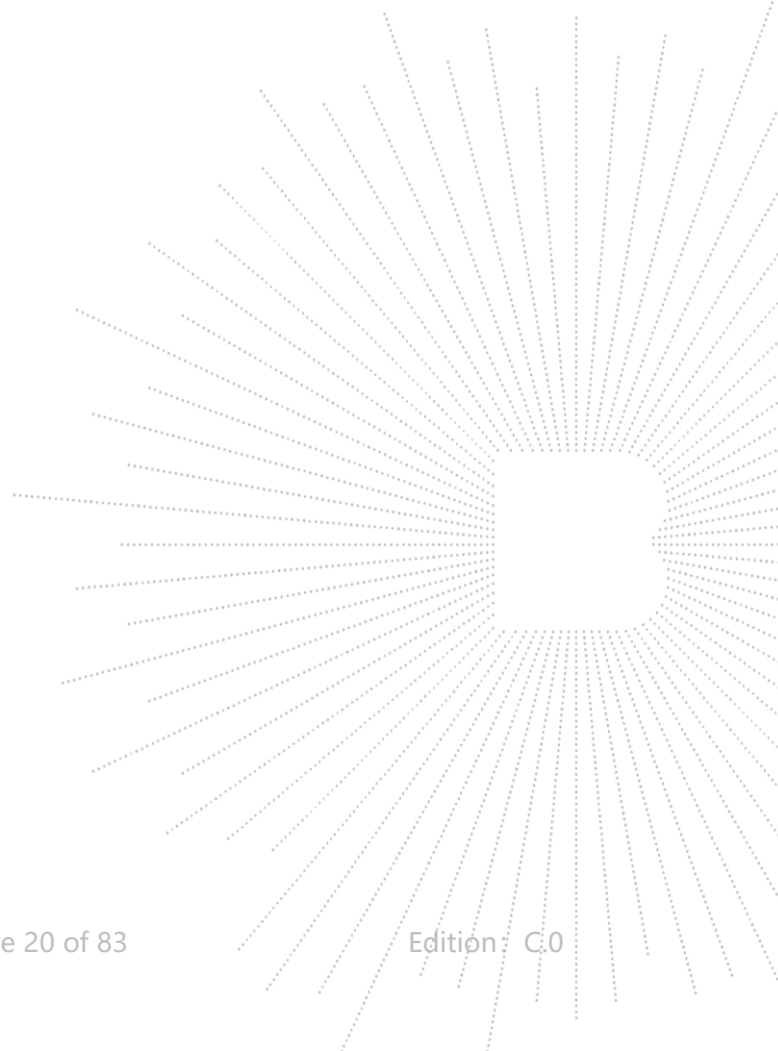
	2										
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	-30	-4.39	-0.006	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	-20	-39.71	-0.057	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	0	-12.73	-0.018	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	10	-35.56	-0.051	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	20	-11.76	-0.017	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	30	-30.68	-0.044	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	40	-47.82	-0.068	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	50	-14.93	-0.021	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	-30	-30.61	-0.044	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	-20	-38.38	-0.055	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	0	-36.51	-0.052	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	10	-8.57	-0.012	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	20	-16.57	-0.024	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	30	-25.75	-0.037	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	40	-33.40	-0.048	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	50	-40.97	-0.058	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	-30	-7.34	-0.010	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	-20	-21.92	-0.031	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	0	-35.15	-0.050	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	10	-47.58	-0.067	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	20	-3.89	-0.005	PASS

NVNT	Band1 2	5	23095	25	#0	QPSK	NV	30	-14.45	-0.020	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	40	-24.62	-0.035	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	50	-35.08	-0.050	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	-30	-42.82	-0.061	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	-20	-46.75	-0.066	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	0	-0.51	-0.001	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	10	-5.41	-0.008	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	20	-9.71	-0.014	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	30	-15.09	-0.021	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	40	-20.31	-0.029	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	50	-25.51	-0.036	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	-30	0.60	0.001	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	-20	-13.96	-0.020	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	0	-24.55	-0.034	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	10	-33.59	-0.047	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	20	-43.27	-0.061	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	30	-5.39	-0.008	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	40	-13.83	-0.019	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	50	-20.41	-0.029	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	-30	-28.35	-0.040	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	-20	-31.60	-0.044	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	0	-36.13	-0.051	PASS

	2										
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	10	-41.54	-0.058	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	20	-45.30	-0.063	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	30	-50.94	-0.071	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	40	-1.72	-0.002	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	50	-7.31	-0.010	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	-30	-12.56	-0.018	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	-20	-43.20	-0.061	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	0	-10.81	-0.015	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	10	-24.00	-0.034	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	20	-36.59	-0.052	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	30	-47.01	-0.067	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	40	-6.57	-0.009	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	50	-16.68	-0.024	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	-30	-24.25	-0.034	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	-20	-27.69	-0.039	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	0	-31.34	-0.045	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	10	-36.44	-0.052	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	20	-41.44	-0.059	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	30	-46.61	-0.066	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	40	-4.76	-0.007	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	50	-9.86	-0.014	PASS

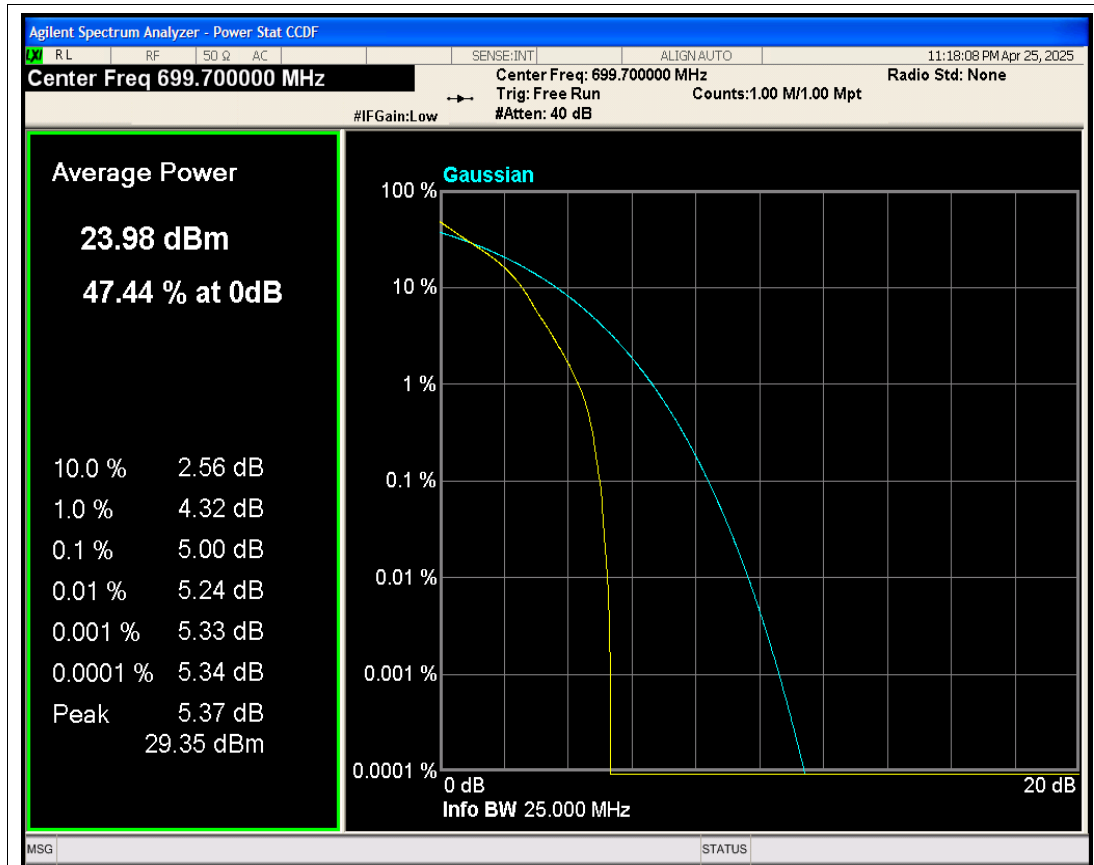
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	-30	-5.58	-0.008	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	-20	-18.75	-0.027	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	0	-27.57	-0.039	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	10	-35.41	-0.050	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	20	-42.47	-0.060	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	30	-49.08	-0.069	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	40	-4.13	-0.006	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	50	-10.19	-0.014	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	-30	-14.58	-0.021	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	-20	-13.50	-0.019	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	0	-15.69	-0.022	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	10	-18.77	-0.027	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	20	-22.04	-0.031	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	30	-24.16	-0.034	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	40	-26.82	-0.038	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	50	-30.56	-0.043	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	-30	-5.48	-0.008	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	-20	-15.51	-0.022	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	0	-21.89	-0.031	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	10	-25.69	-0.036	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	20	-29.25	-0.041	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	30	-34.26	-0.048	PASS

	2										
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	40	-38.48	-0.054	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	50	-41.96	-0.059	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	-30	-44.99	-0.063	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	-20	-42.90	-0.060	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	0	-45.10	-0.063	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	10	-46.41	-0.065	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	20	5.48	0.008	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	30	4.08	0.006	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	40	1.37	0.002	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	50	-0.16	0.000	PASS

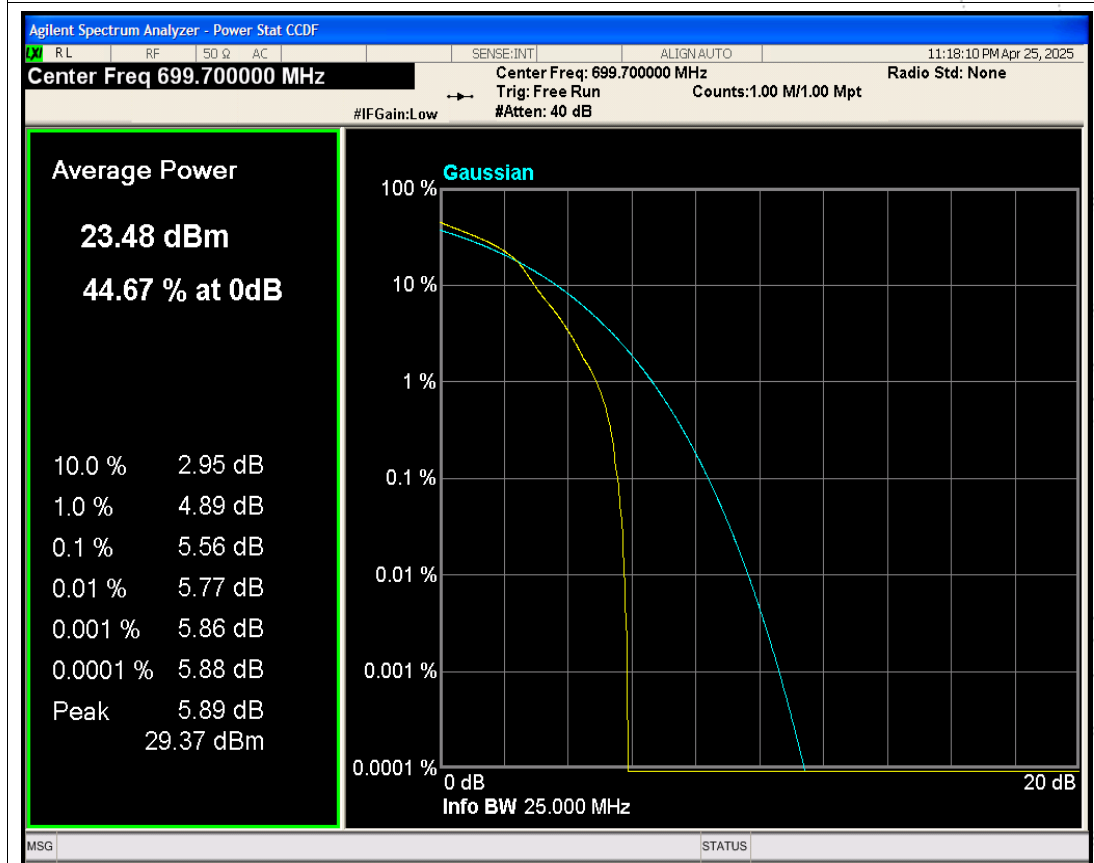


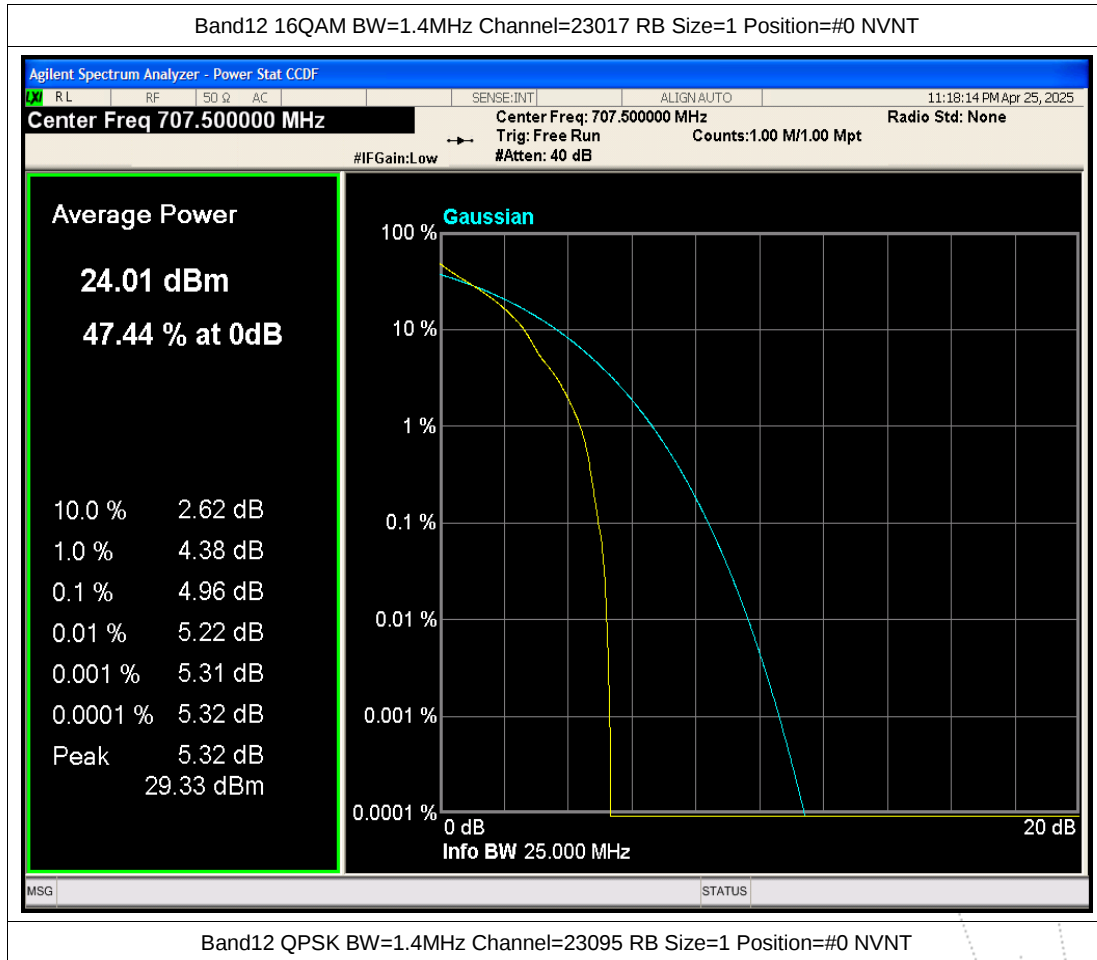
Appendix 3. Peak-to-Average Ratio

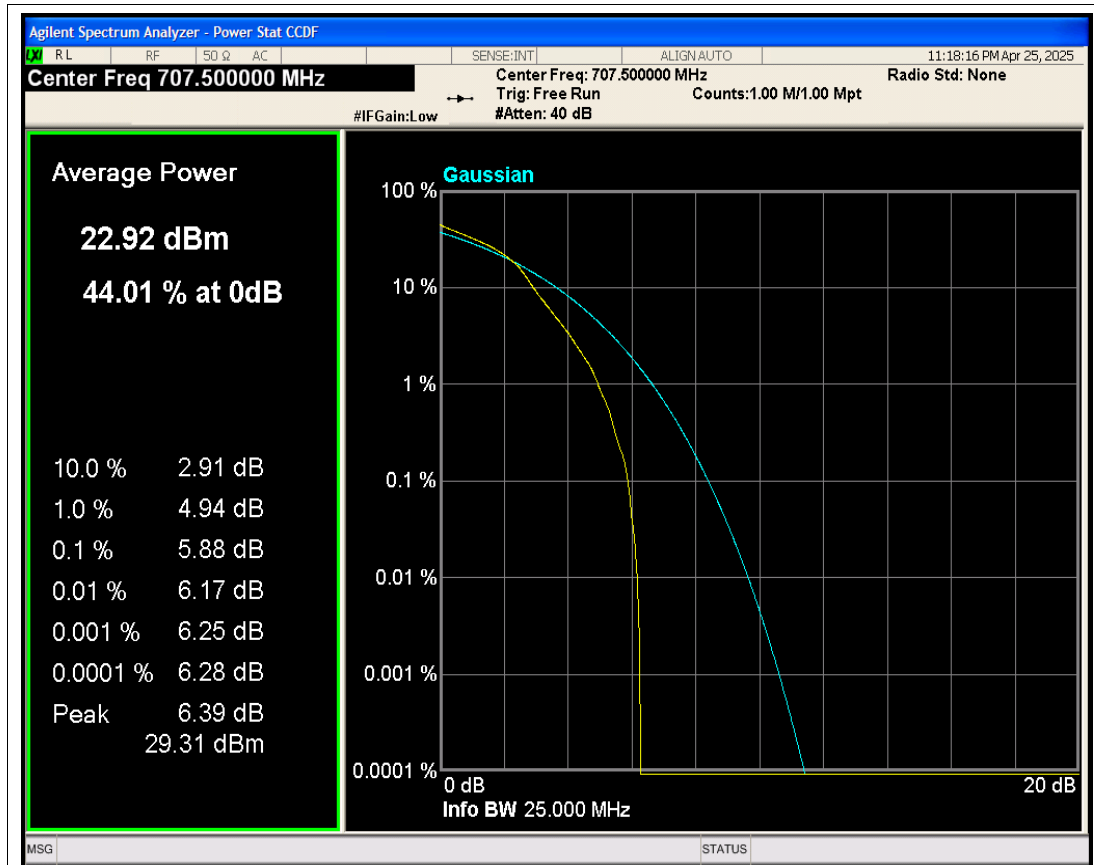
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band12	1.4	23017	1	#0	QPSK	5.00	13	PASS
NVNT	Band12	1.4	23017	1	#0	16QAM	5.56	13	PASS
NVNT	Band12	1.4	23095	1	#0	QPSK	4.96	13	PASS
NVNT	Band12	1.4	23095	1	#0	16QAM	5.88	13	PASS
NVNT	Band12	1.4	23173	1	#0	QPSK	3.69	13	PASS
NVNT	Band12	1.4	23173	1	#0	16QAM	4.67	13	PASS
NVNT	Band12	3	23025	1	#0	QPSK	4.96	13	PASS
NVNT	Band12	3	23025	1	#0	16QAM	6.03	13	PASS
NVNT	Band12	3	23095	1	#0	QPSK	4.83	13	PASS
NVNT	Band12	3	23095	1	#0	16QAM	5.34	13	PASS
NVNT	Band12	3	23165	1	#0	QPSK	3.68	13	PASS
NVNT	Band12	3	23165	1	#0	16QAM	4.68	13	PASS
NVNT	Band12	5	23035	1	#0	QPSK	5.24	13	PASS
NVNT	Band12	5	23035	1	#0	16QAM	6.01	13	PASS
NVNT	Band12	5	23095	1	#0	QPSK	4.74	13	PASS
NVNT	Band12	5	23095	1	#0	16QAM	5.50	13	PASS
NVNT	Band12	5	23155	1	#0	QPSK	4.50	13	PASS
NVNT	Band12	5	23155	1	#0	16QAM	5.42	13	PASS
NVNT	Band12	10	23060	1	#0	QPSK	5.13	13	PASS
NVNT	Band12	10	23060	1	#0	16QAM	6.12	13	PASS
NVNT	Band12	10	23095	1	#0	QPSK	5.15	13	PASS
NVNT	Band12	10	23095	1	#0	16QAM	6.17	13	PASS
NVNT	Band12	10	23130	1	#0	QPSK	4.85	13	PASS
NVNT	Band12	10	23130	1	#0	16QAM	5.68	13	PASS



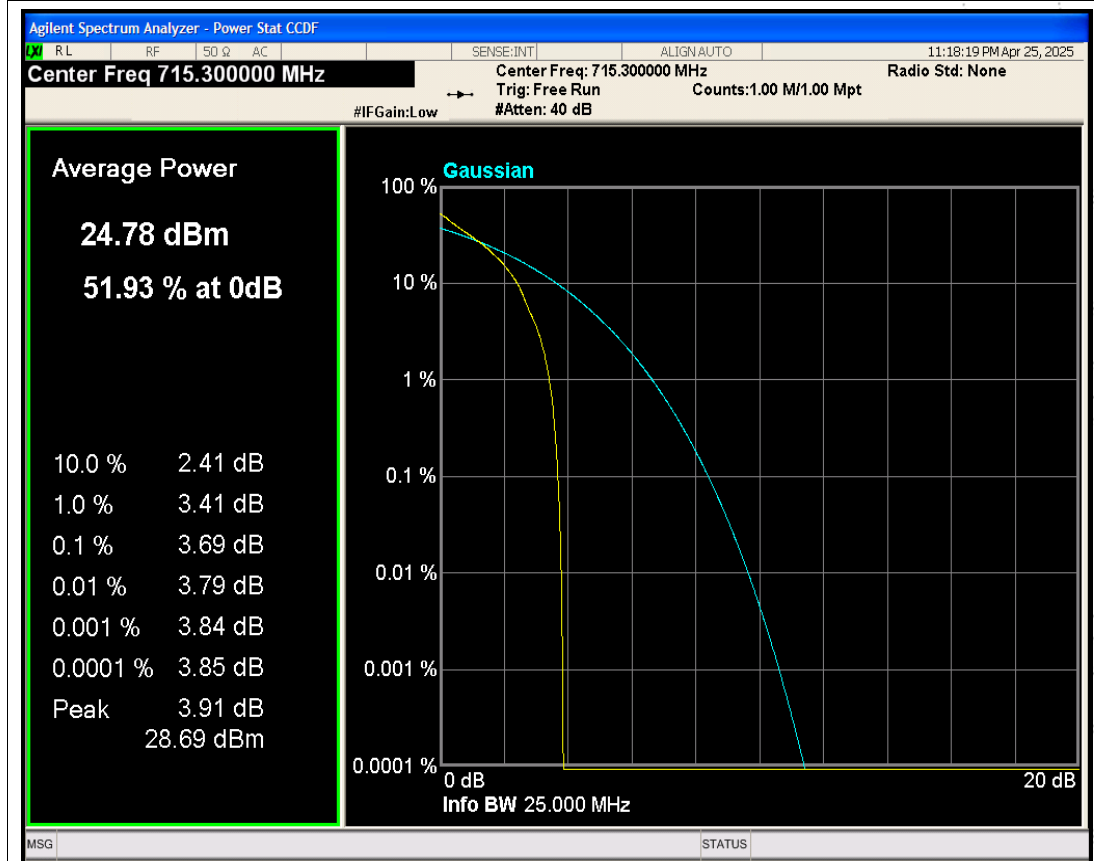
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0 NVNT

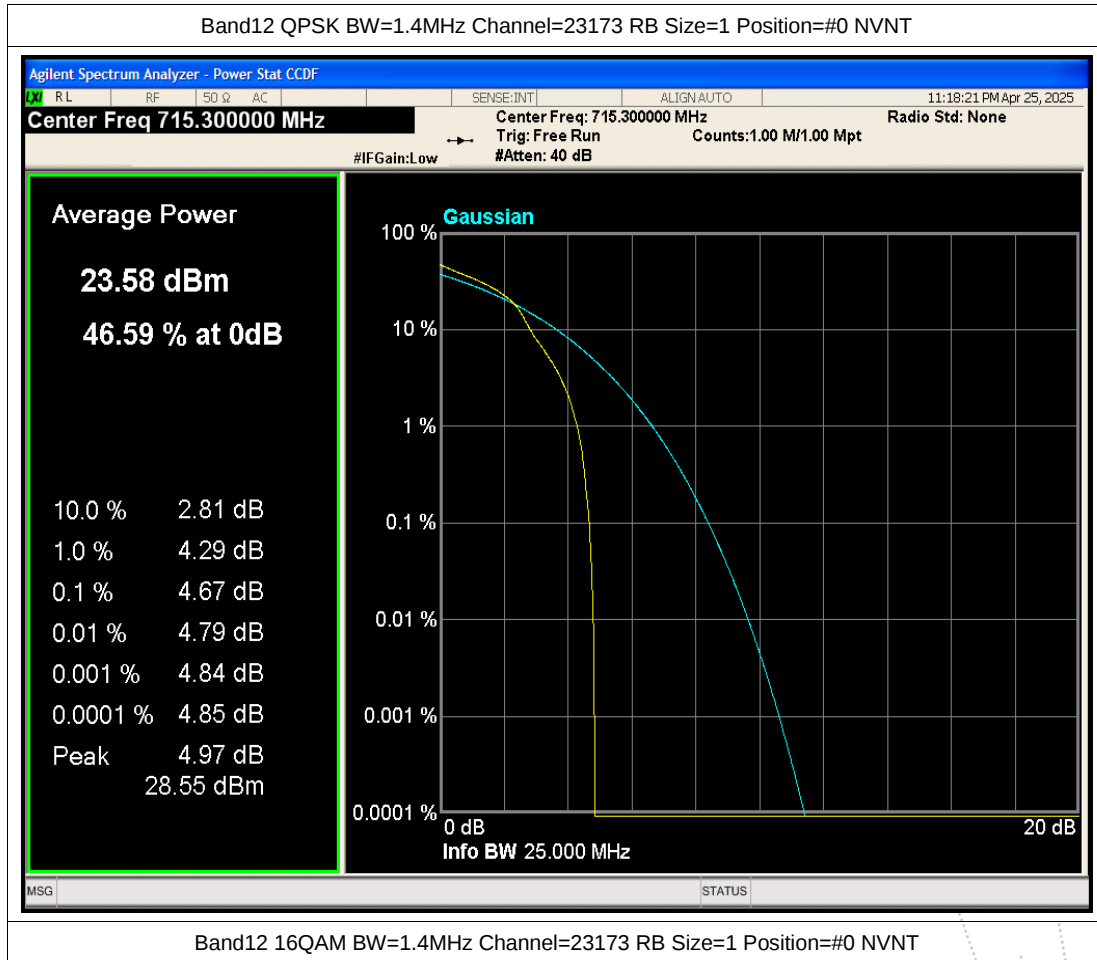


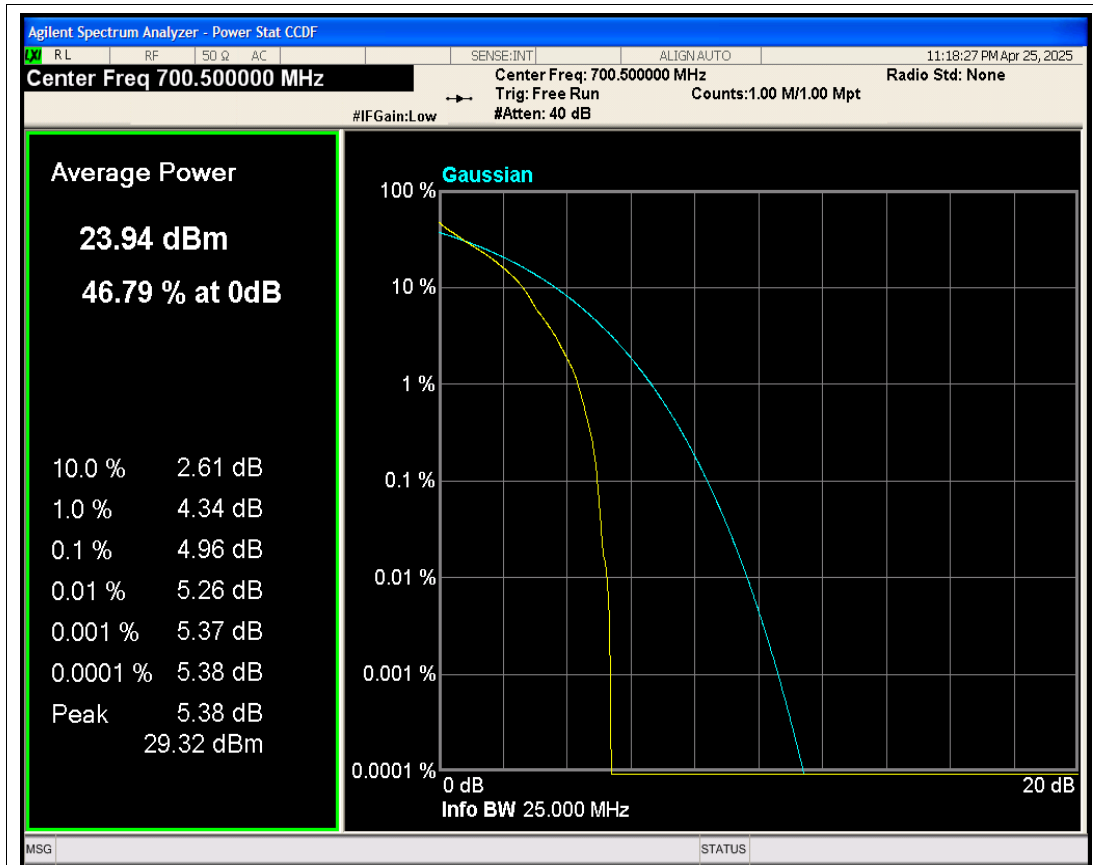




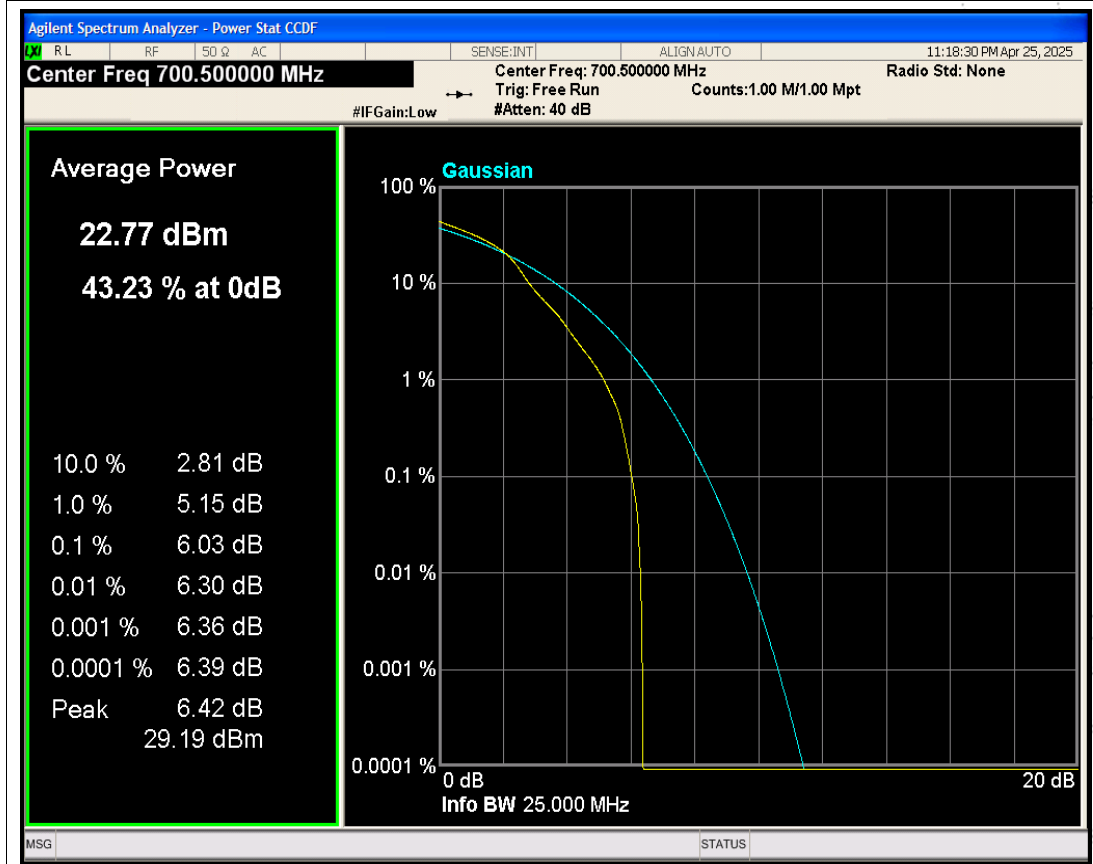
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0 NVNT

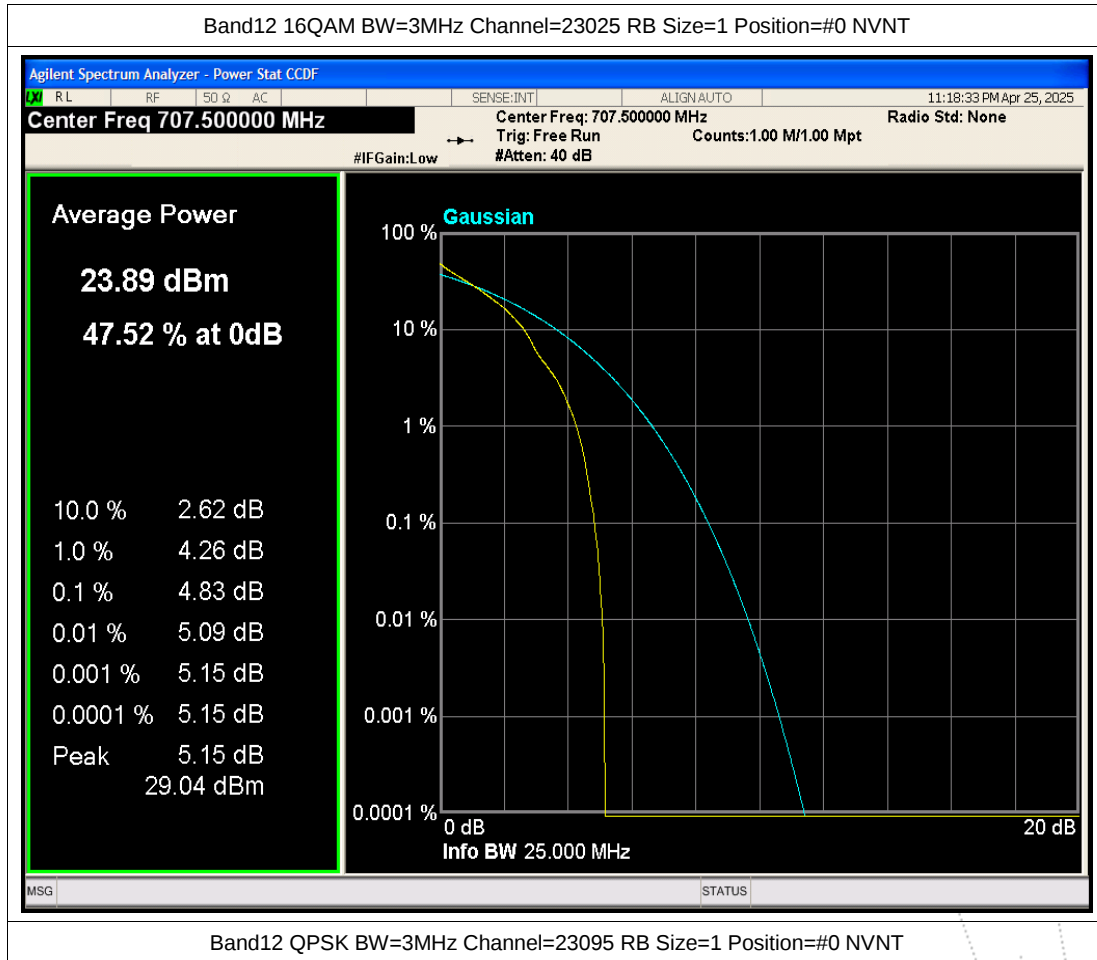


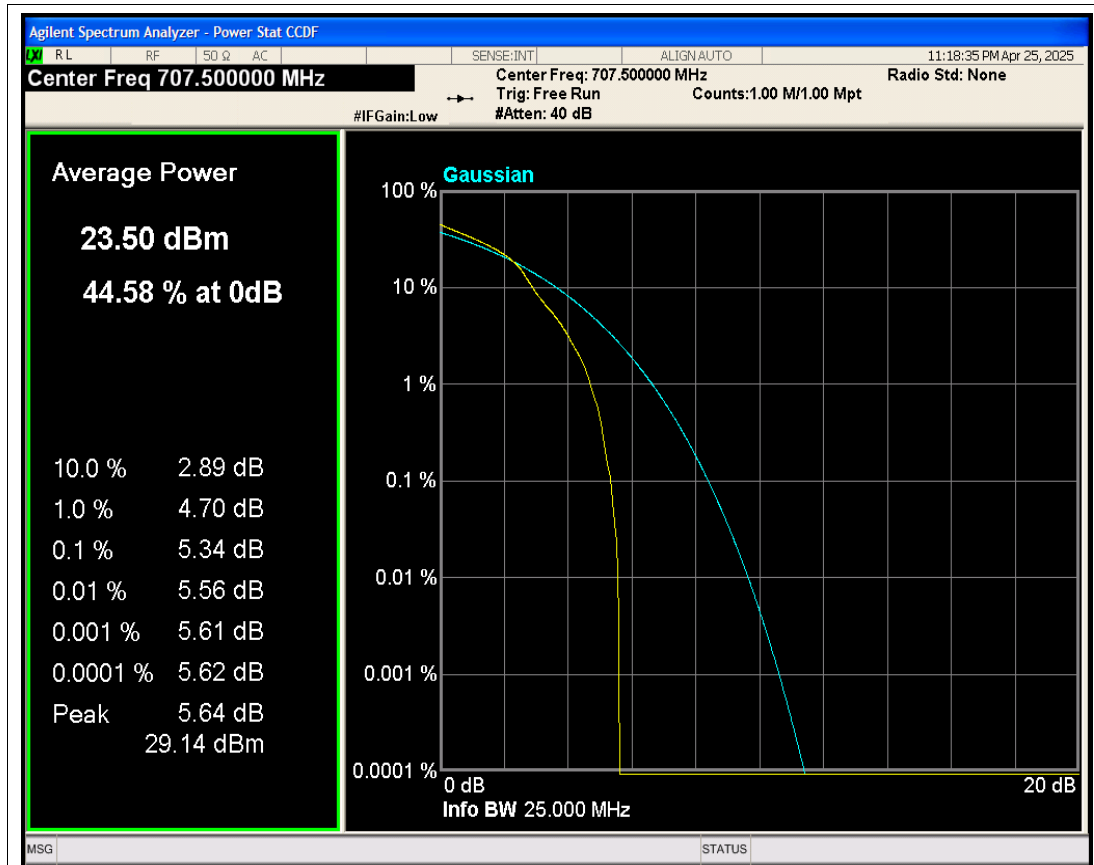




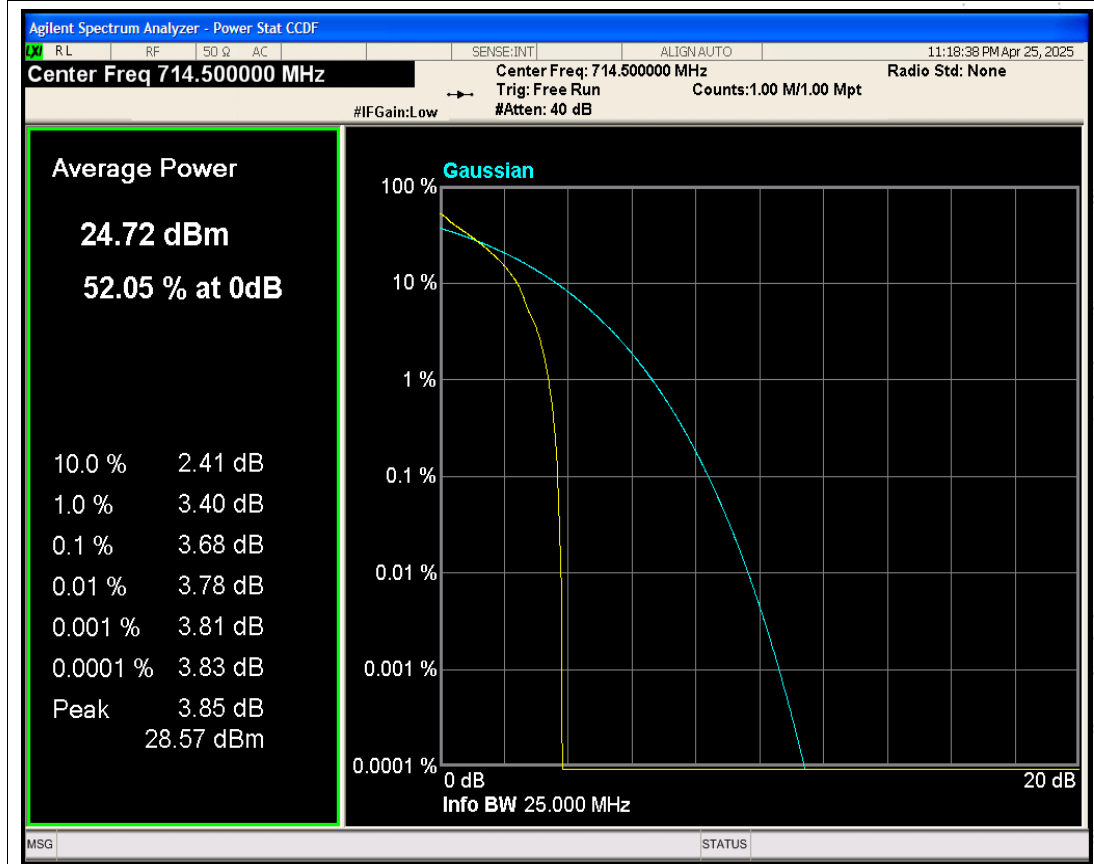
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0 NVNT

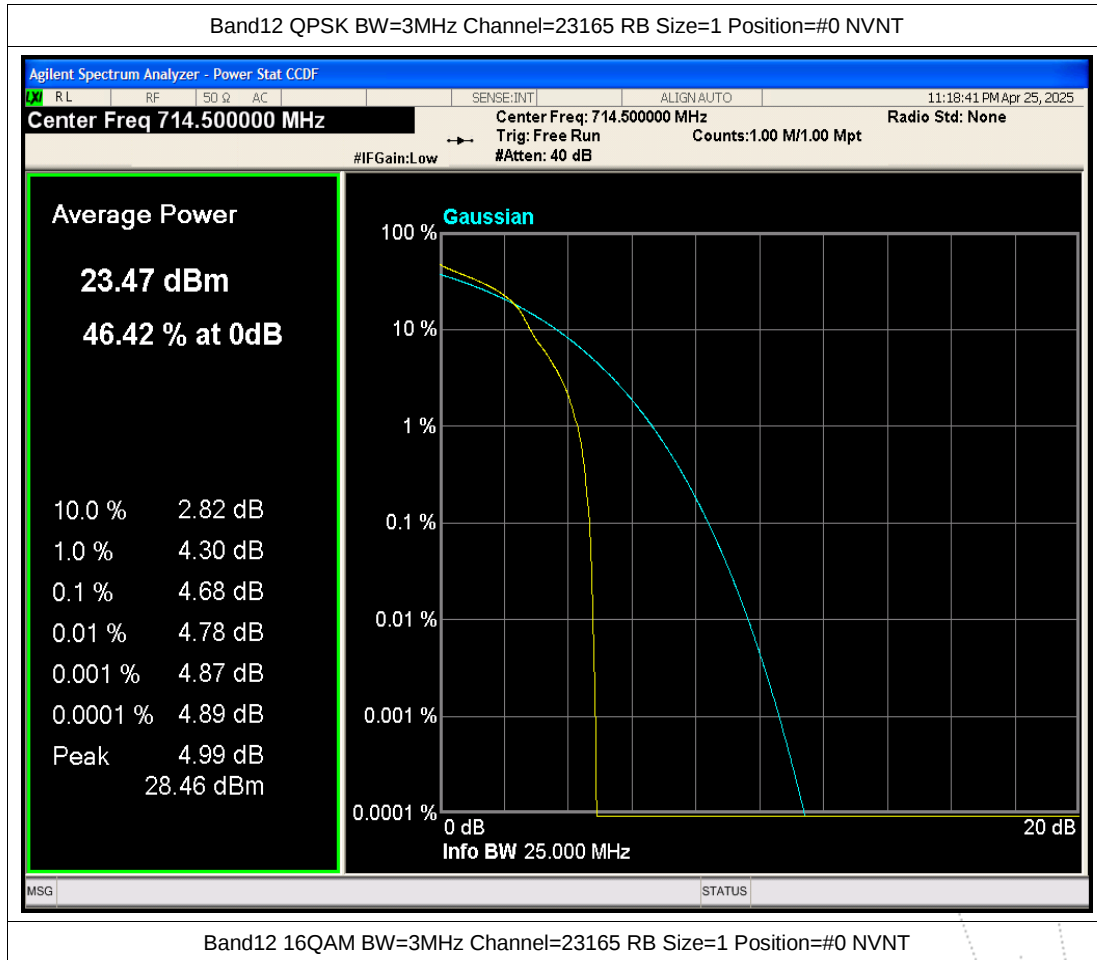


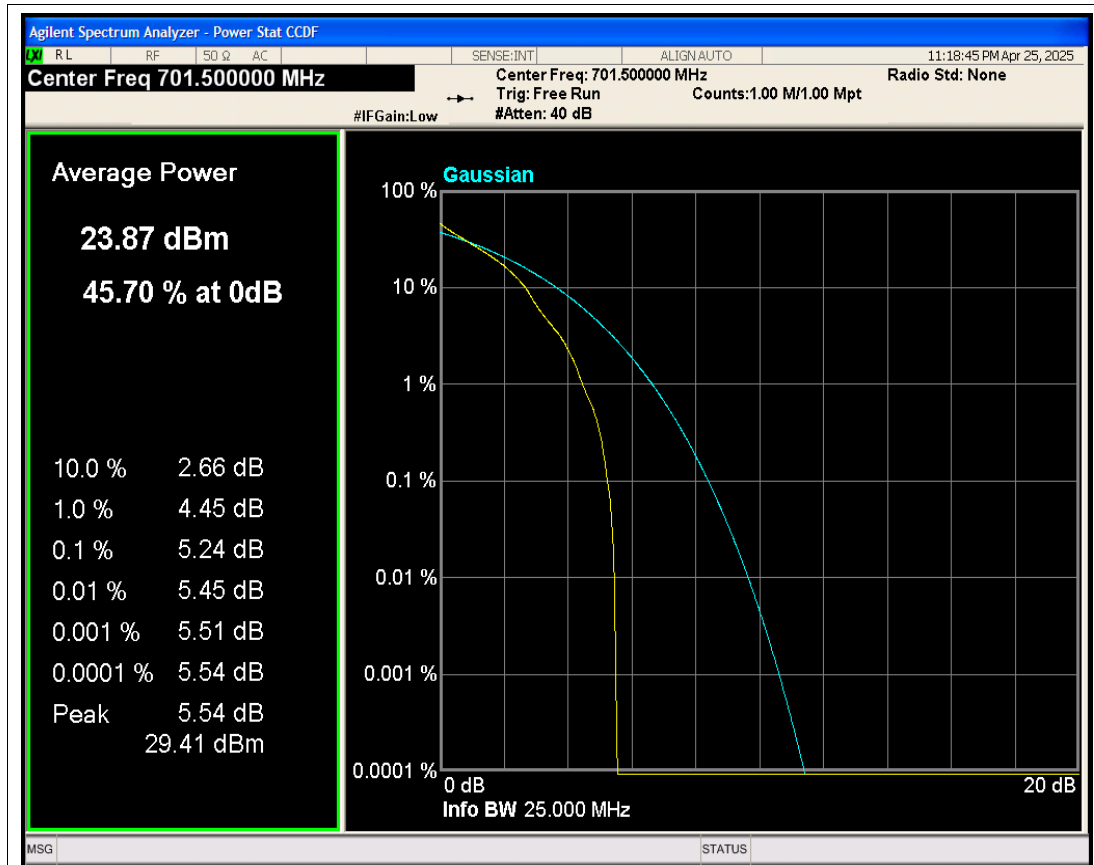




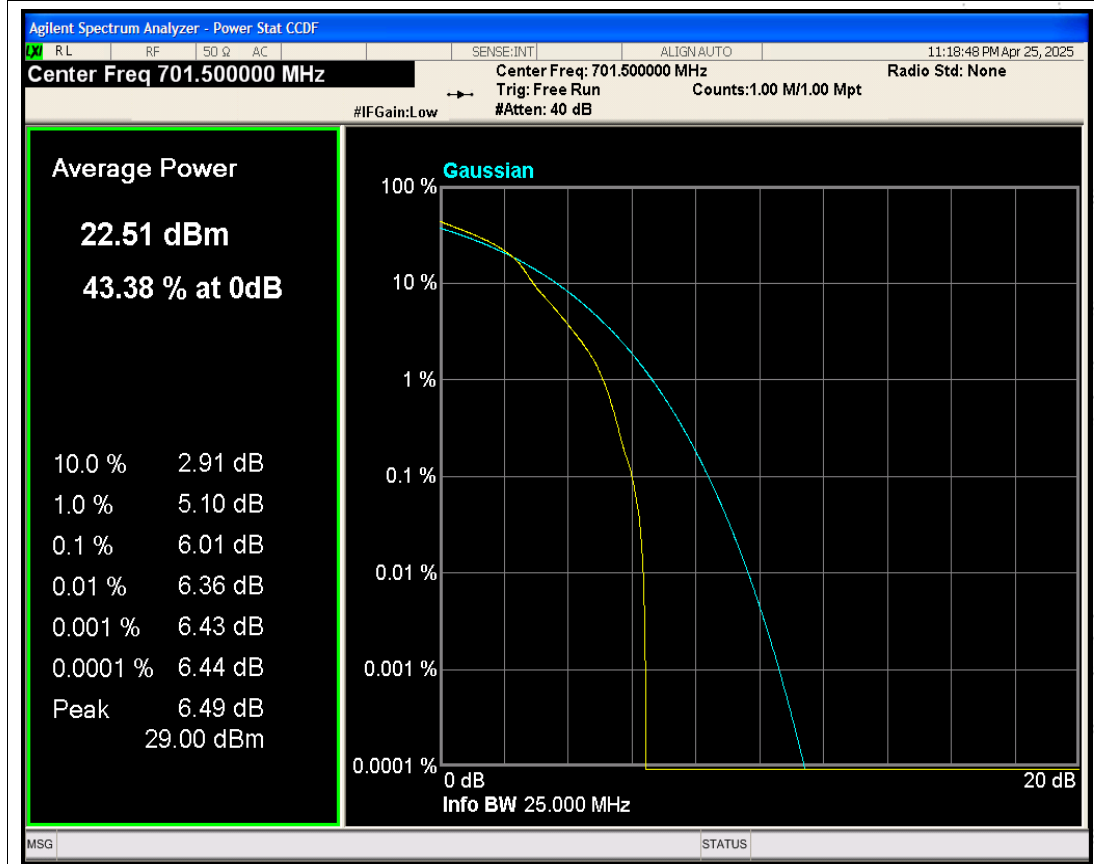
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0 NVNT

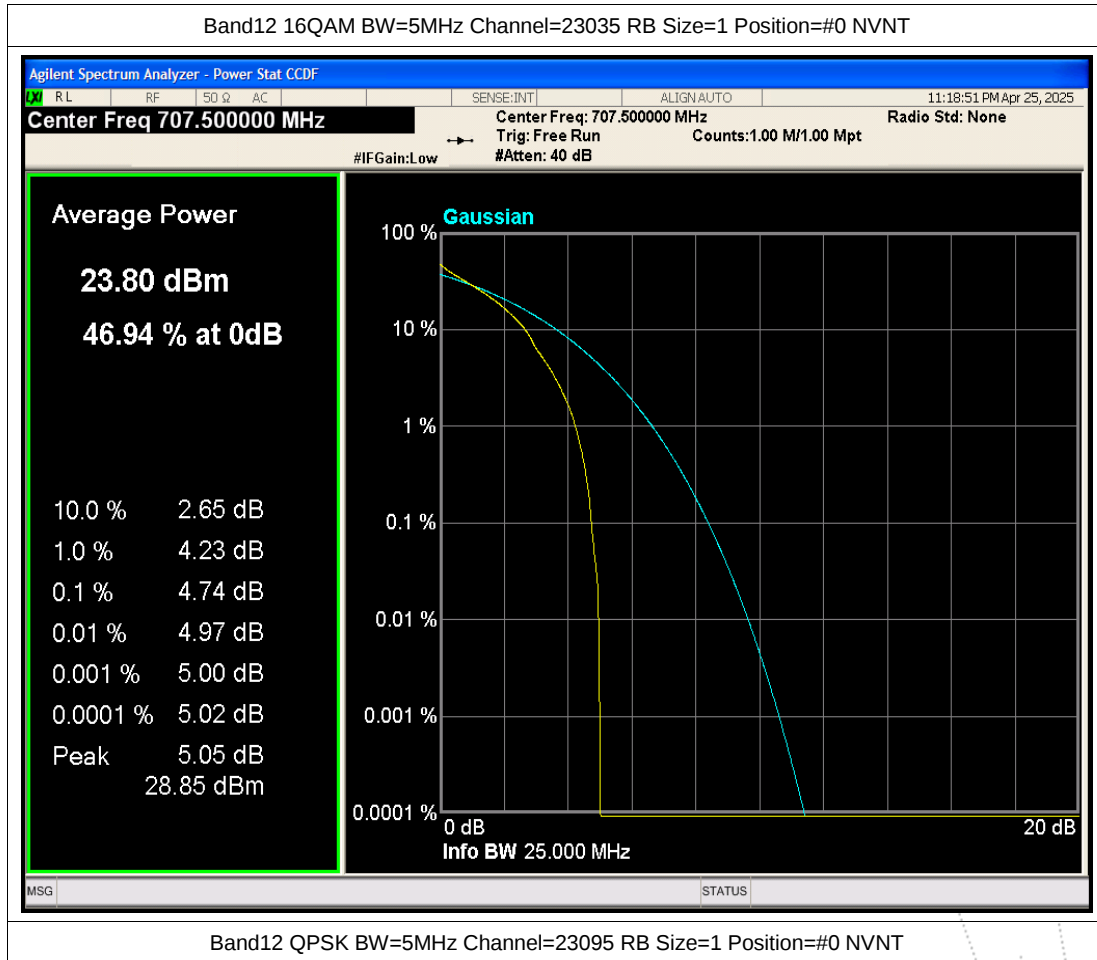


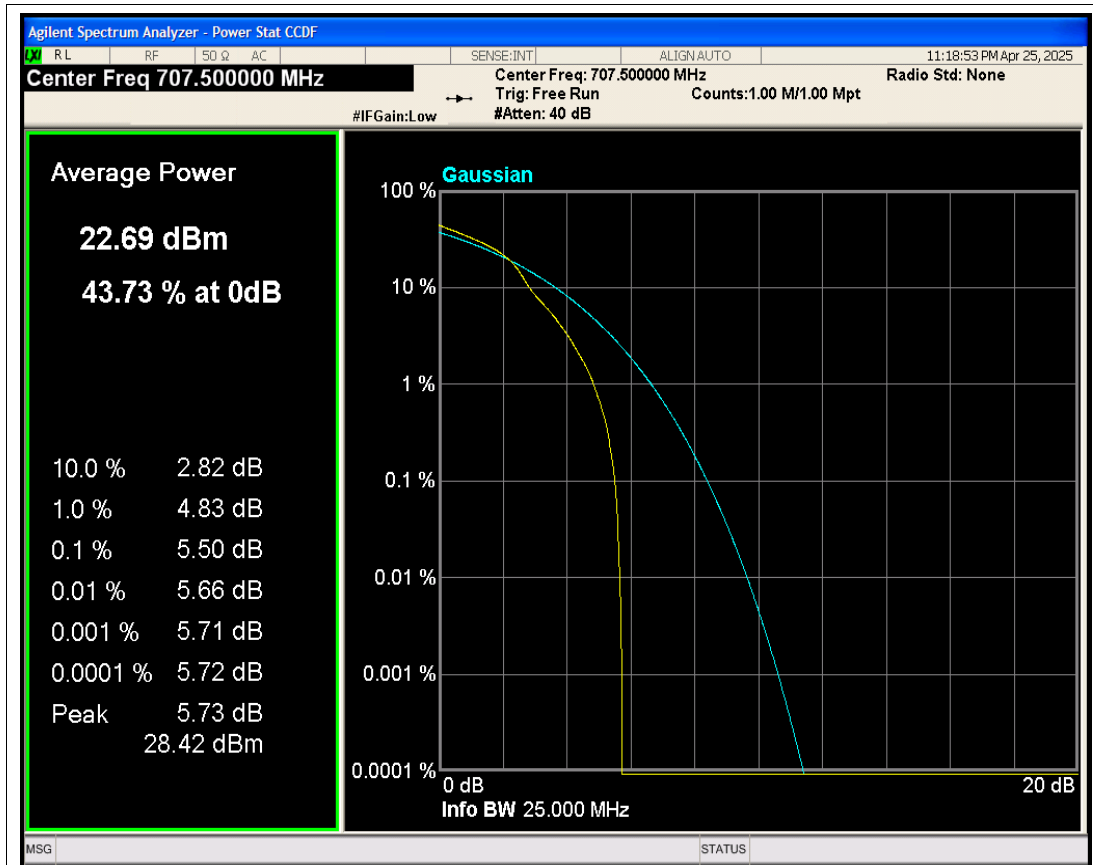




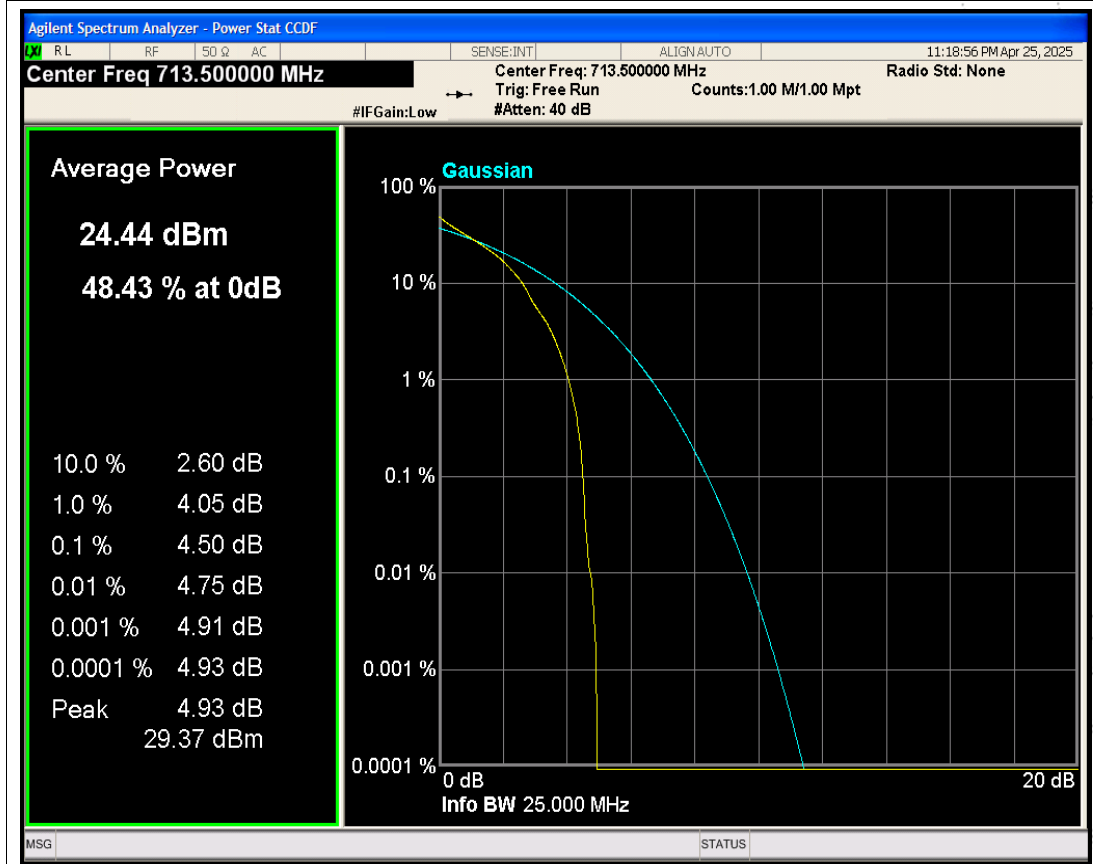
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0 NVNT

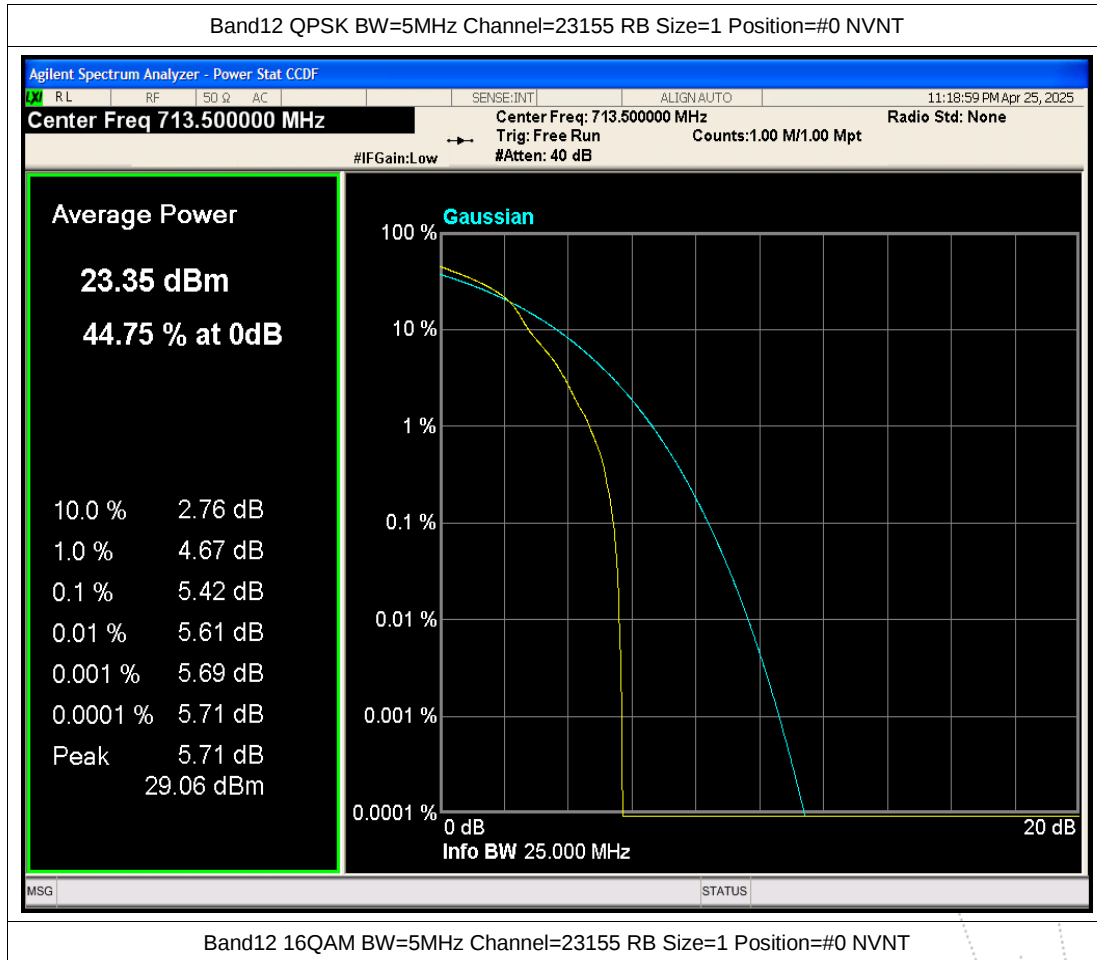


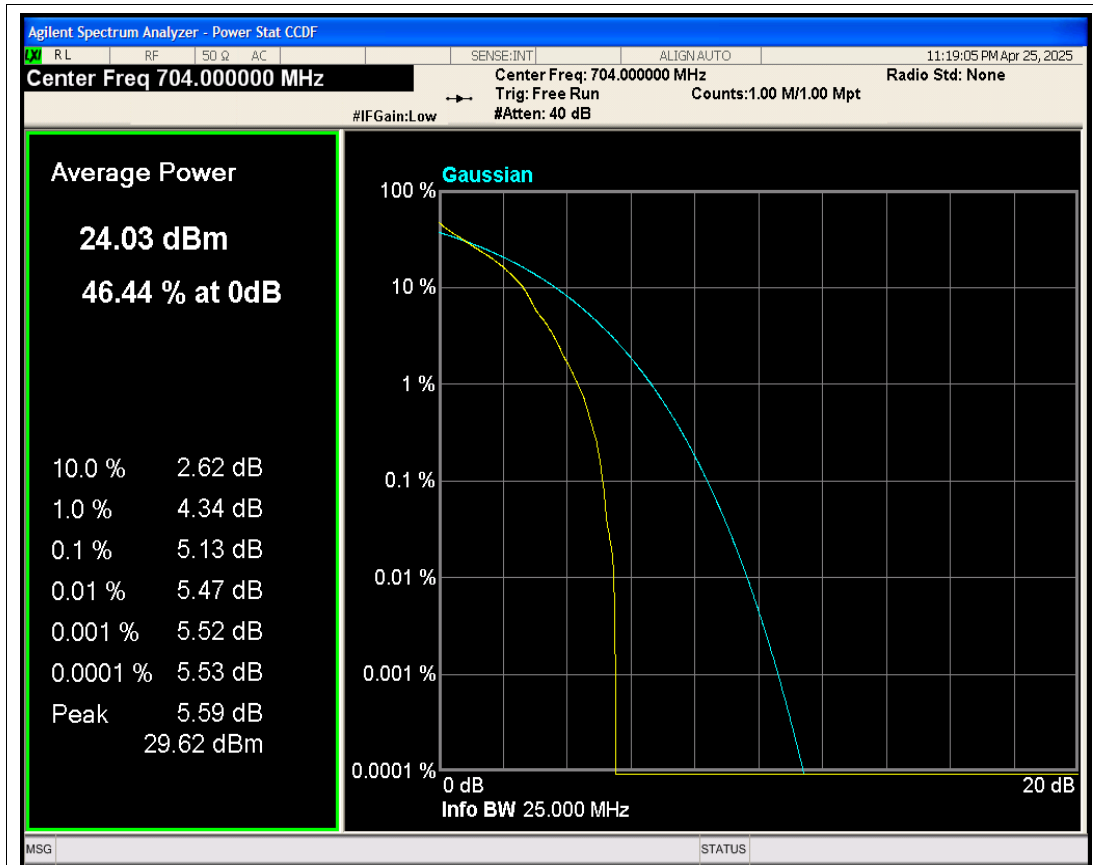




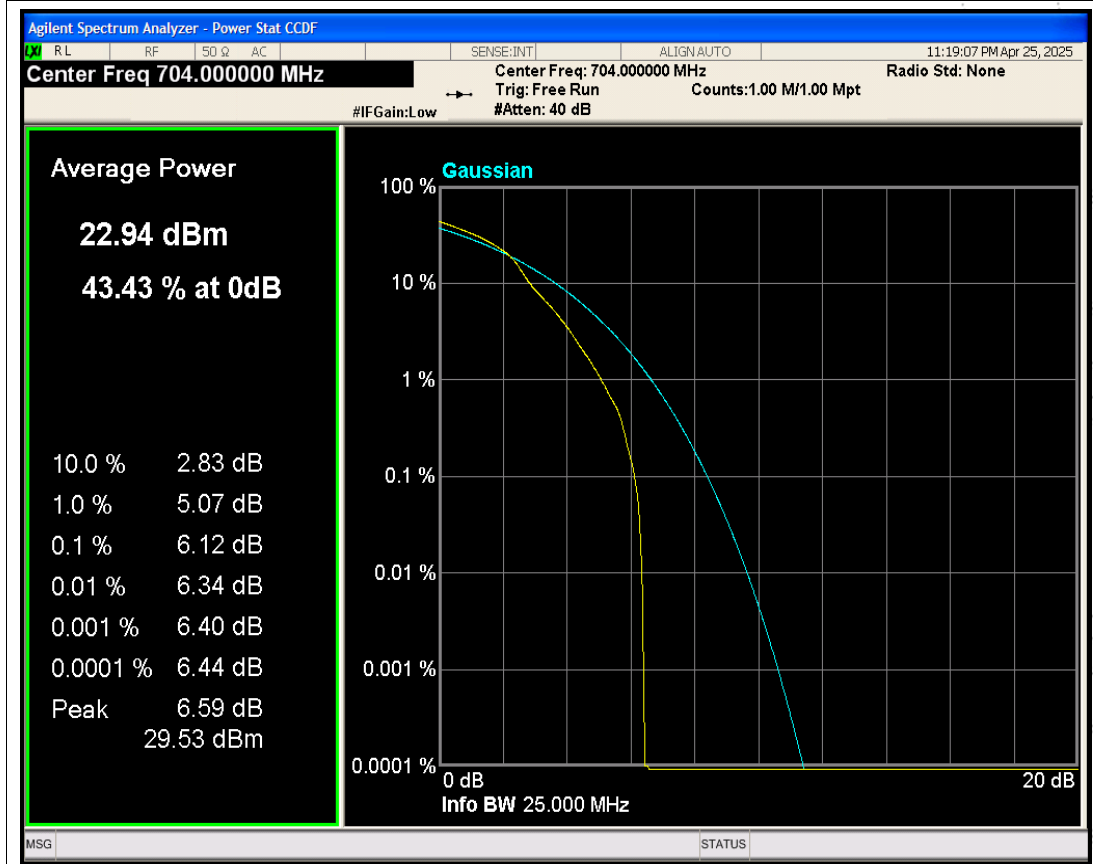
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0 NVNT

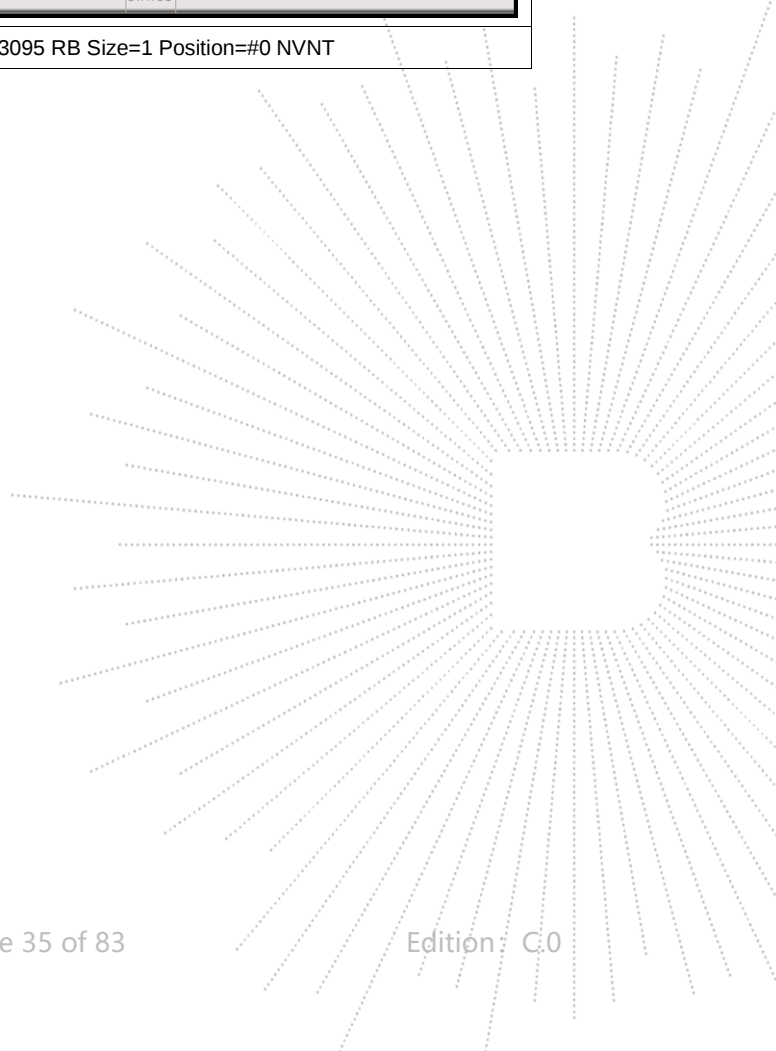
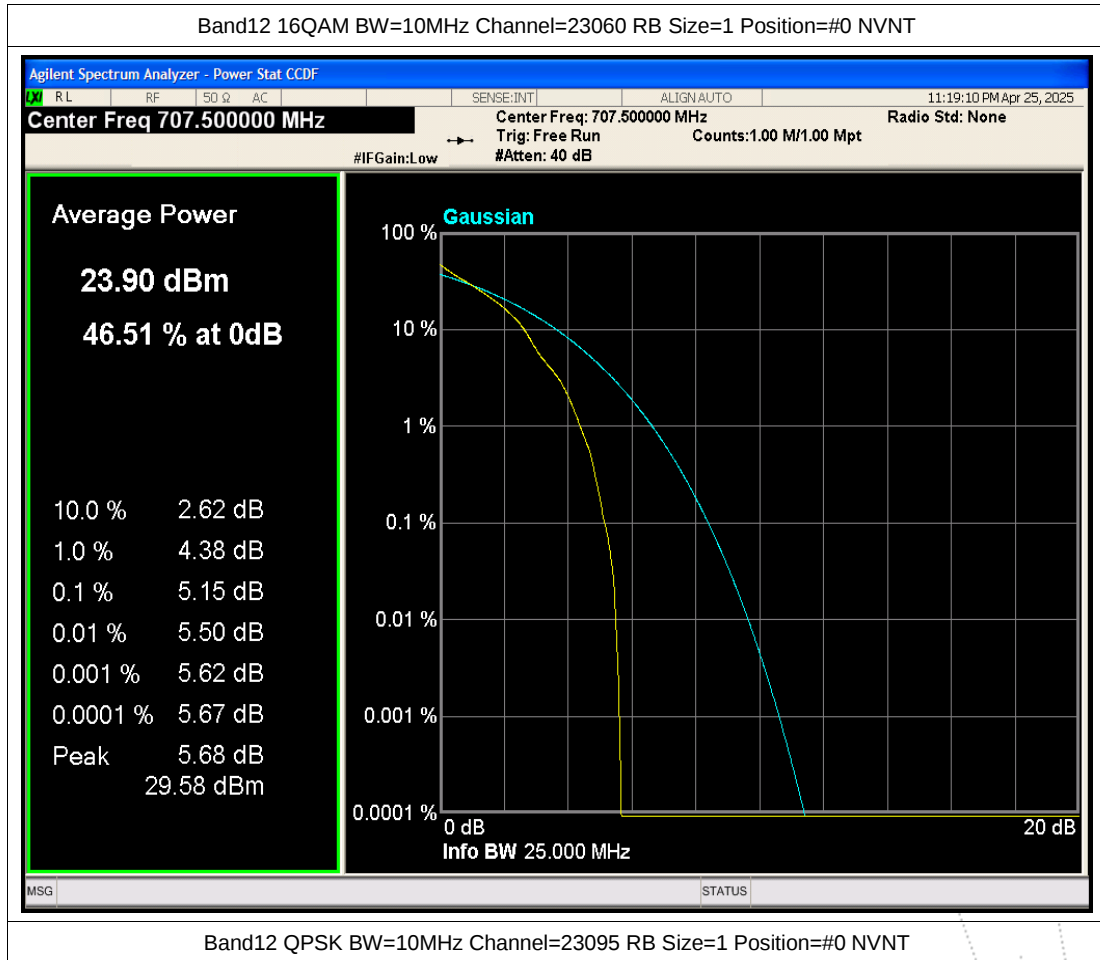


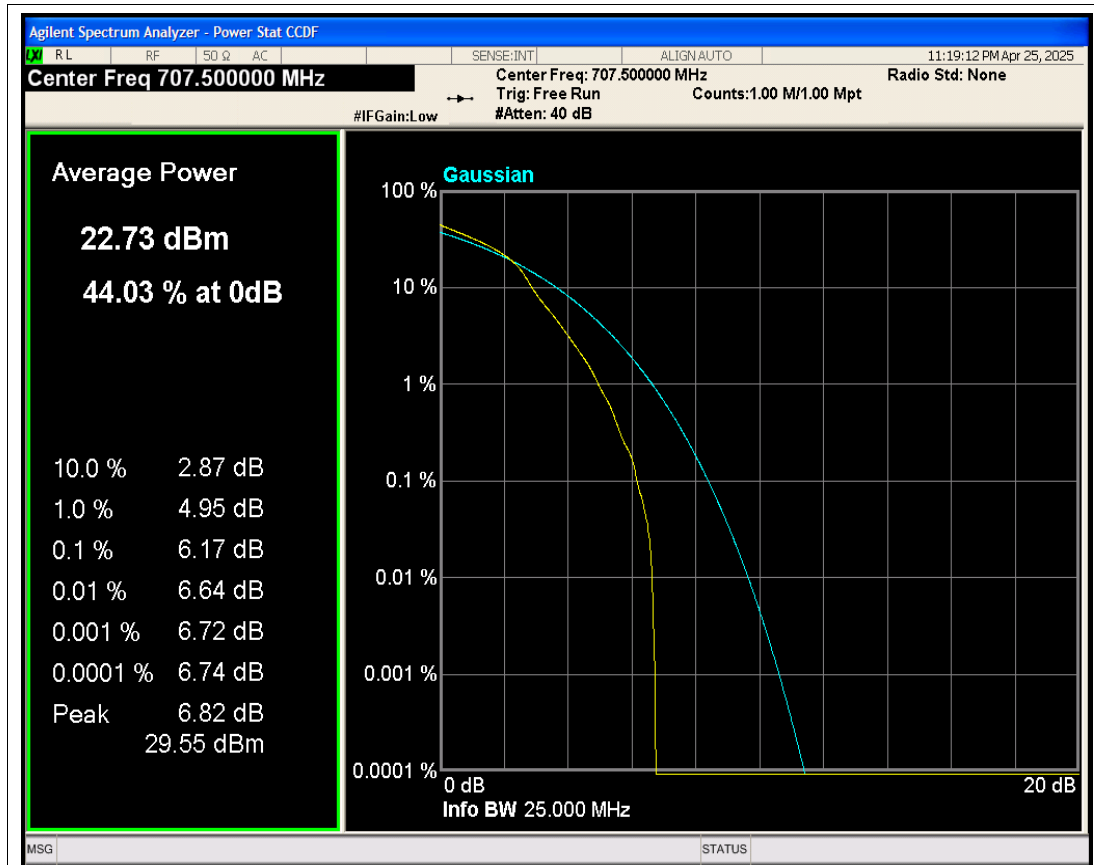




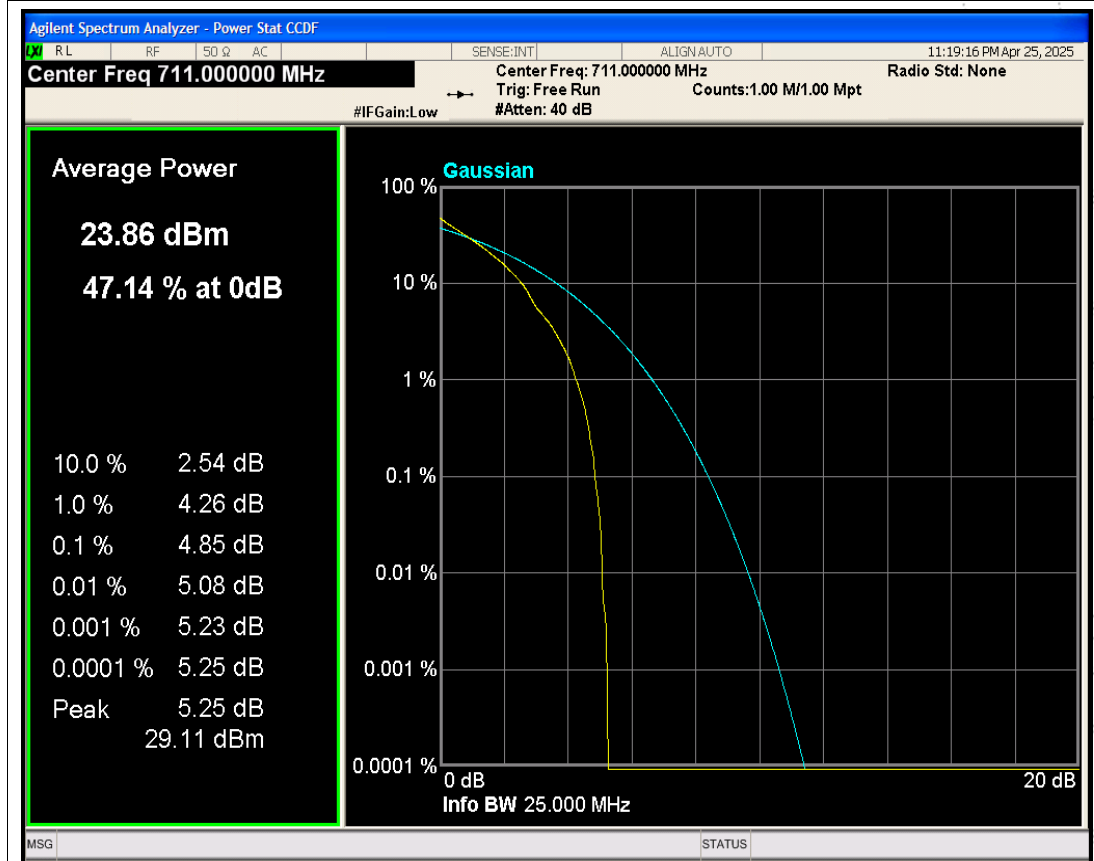
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0 NVNT

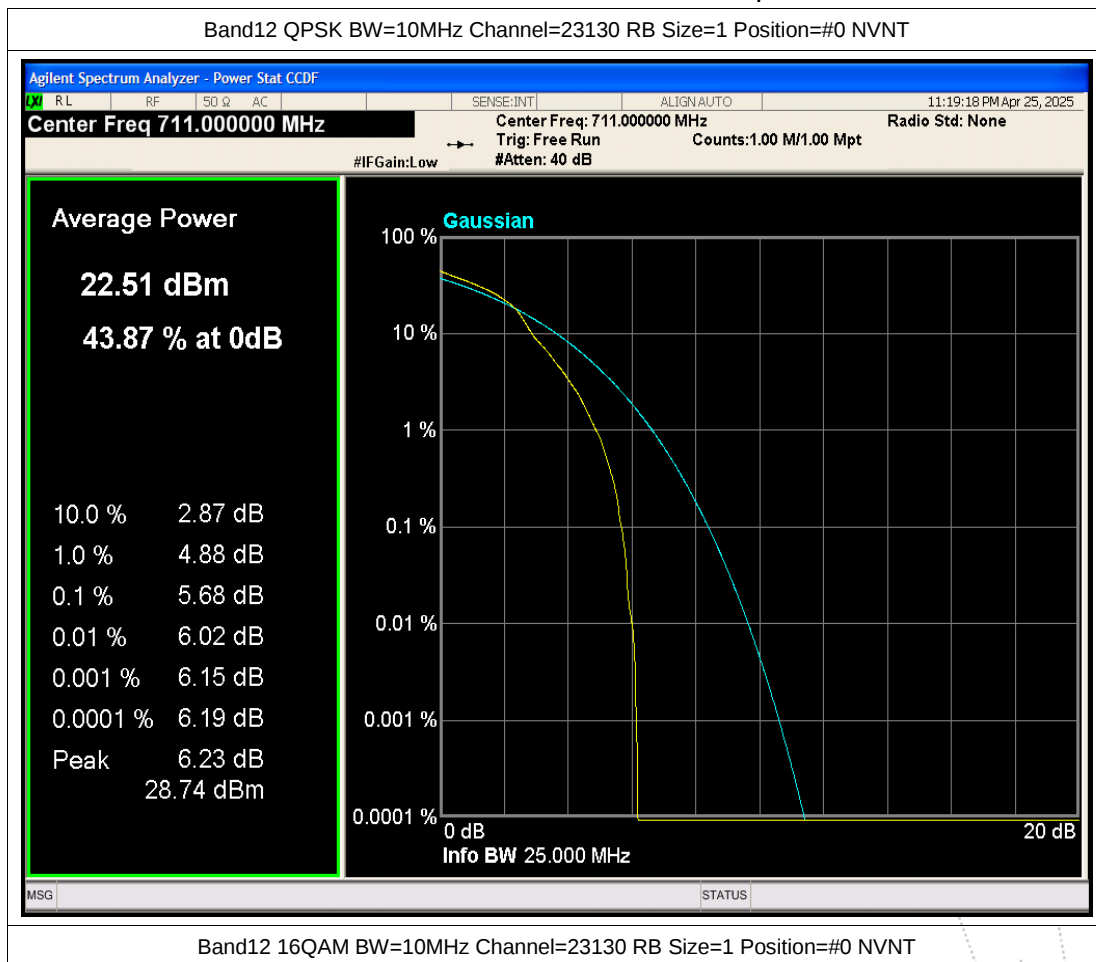






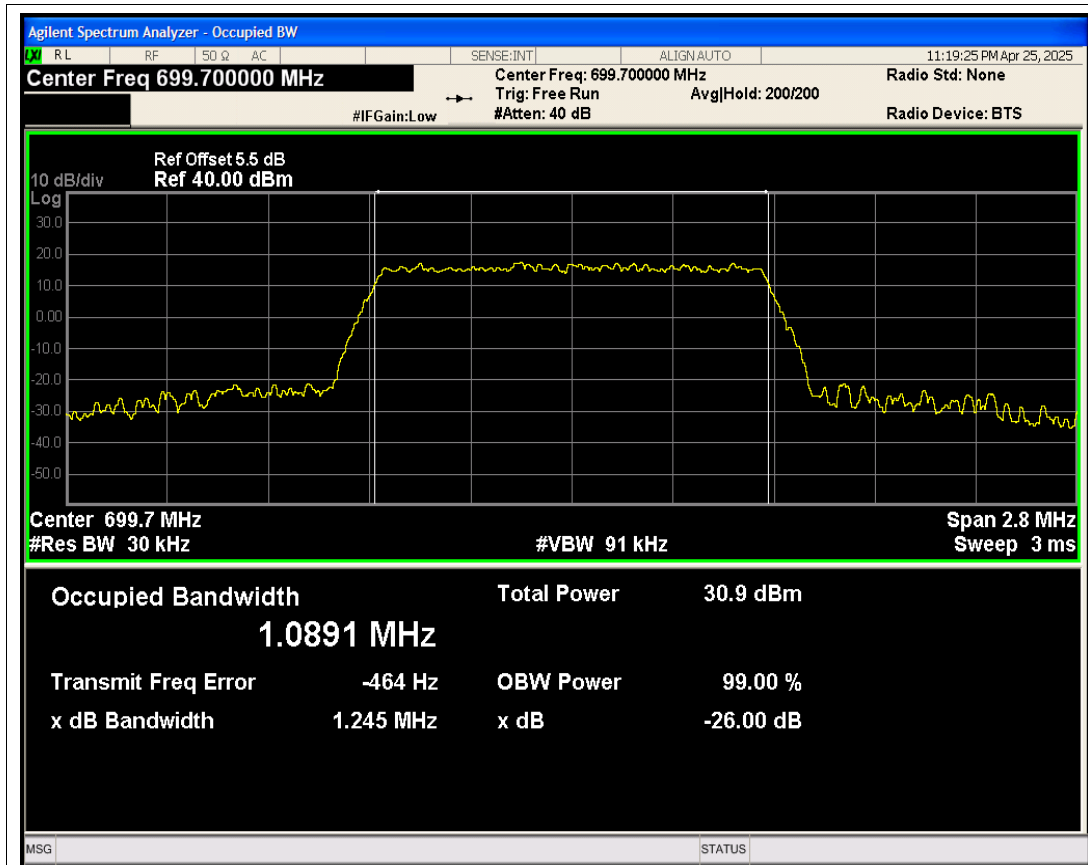
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0 NVNT



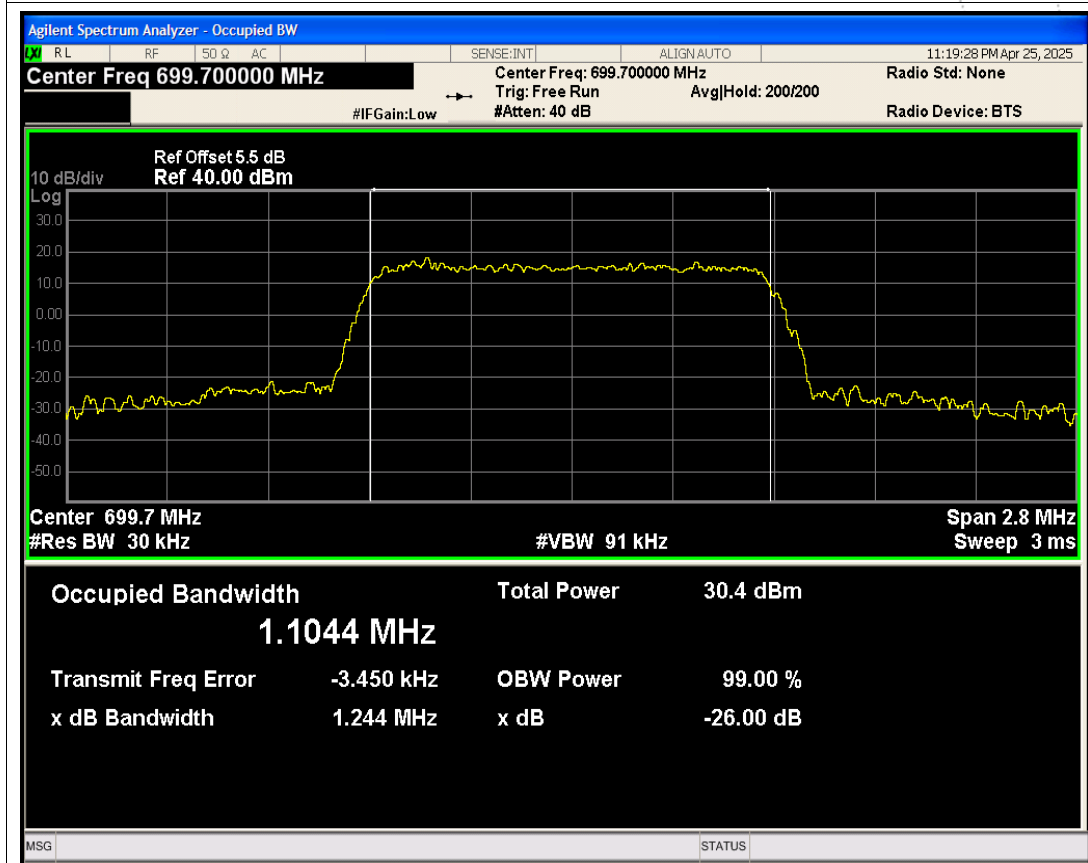


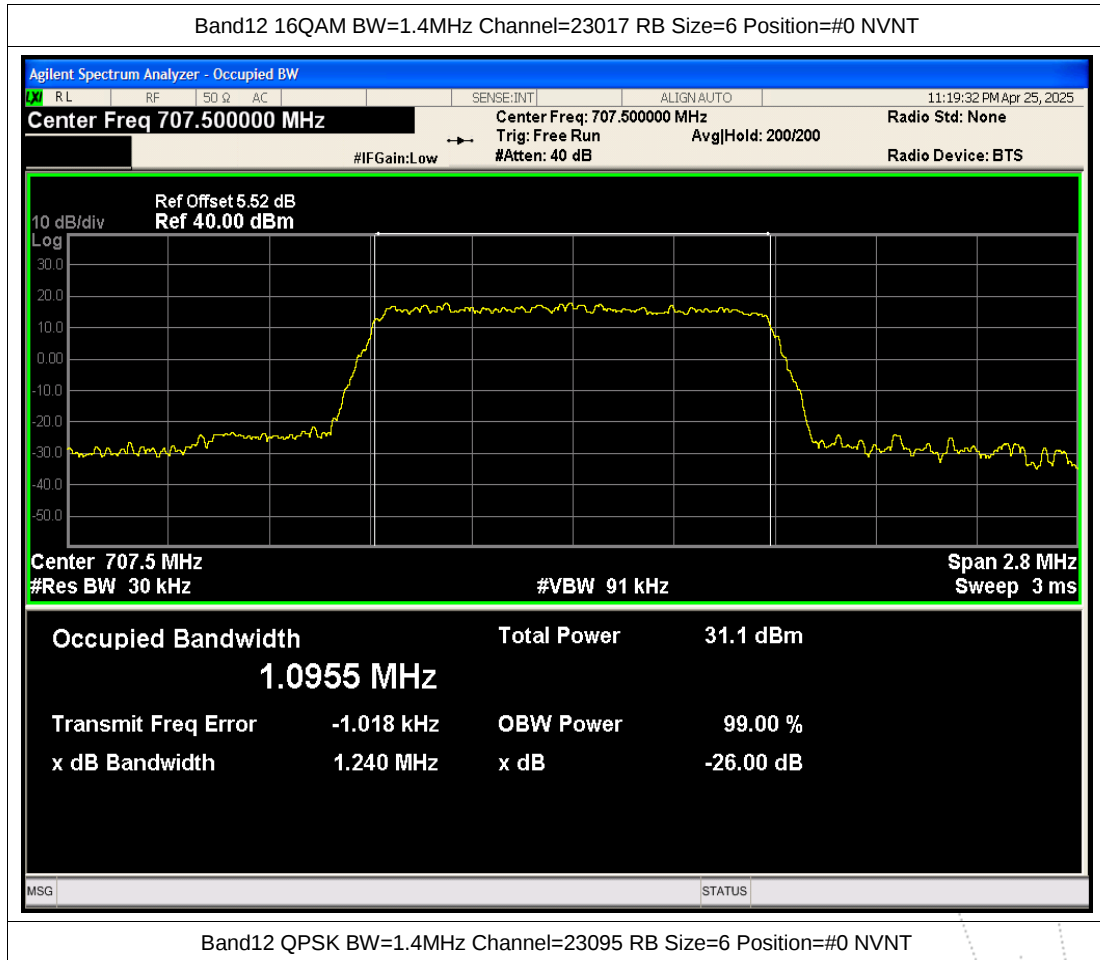
Appendix 4.Occupied bandwidth

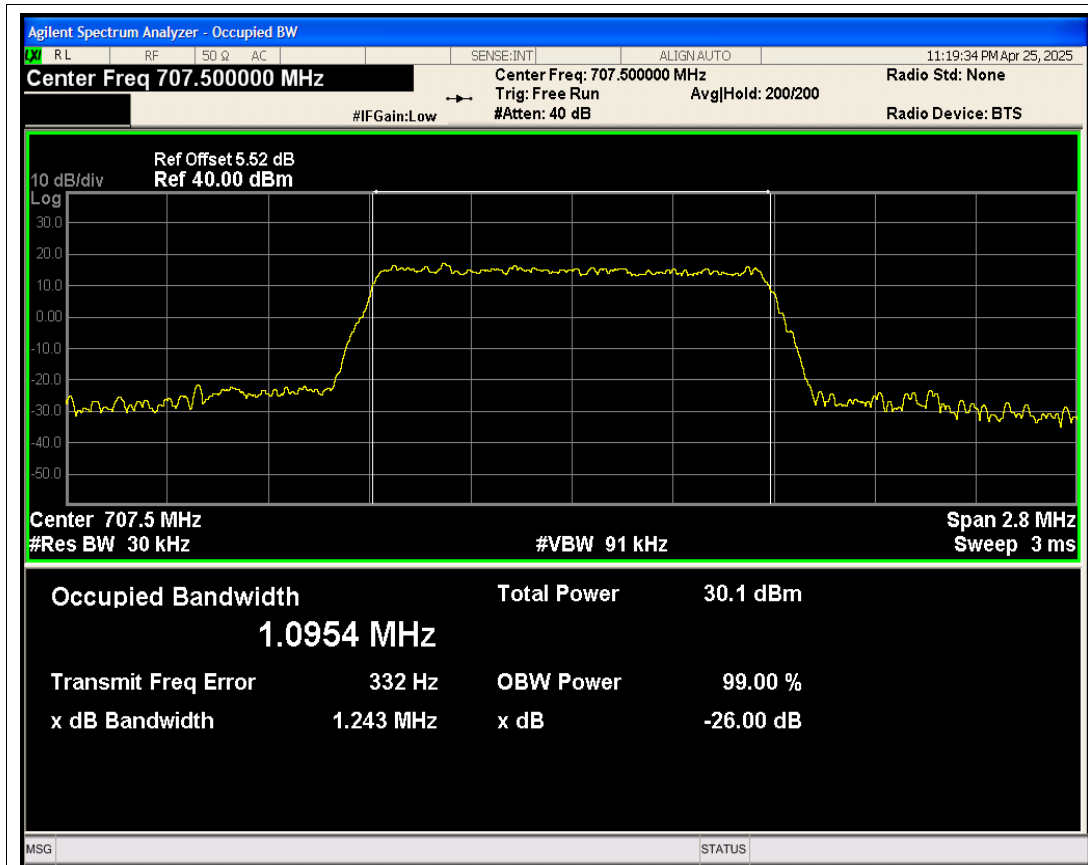
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band12	1.4	23017	6	#0	QPSK	1.089	1.245	PASS
NVNT	Band12	1.4	23017	6	#0	16QAM	1.104	1.244	PASS
NVNT	Band12	1.4	23095	6	#0	QPSK	1.096	1.240	PASS
NVNT	Band12	1.4	23095	6	#0	16QAM	1.095	1.243	PASS
NVNT	Band12	1.4	23173	6	#0	QPSK	1.105	1.241	PASS
NVNT	Band12	1.4	23173	6	#0	16QAM	1.097	1.245	PASS
NVNT	Band12	3	23025	15	#0	QPSK	2.716	3.042	PASS
NVNT	Band12	3	23025	15	#0	16QAM	2.715	3.060	PASS
NVNT	Band12	3	23095	15	#0	QPSK	2.706	2.942	PASS
NVNT	Band12	3	23095	15	#0	16QAM	2.709	3.037	PASS
NVNT	Band12	3	23165	15	#0	QPSK	2.712	3.031	PASS
NVNT	Band12	3	23165	15	#0	16QAM	2.707	3.026	PASS
NVNT	Band12	5	23035	25	#0	QPSK	4.549	4.968	PASS
NVNT	Band12	5	23035	25	#0	16QAM	4.505	4.941	PASS
NVNT	Band12	5	23095	25	#0	QPSK	4.522	4.948	PASS
NVNT	Band12	5	23095	25	#0	16QAM	4.501	4.944	PASS
NVNT	Band12	5	23155	25	#0	QPSK	4.491	4.938	PASS
NVNT	Band12	5	23155	25	#0	16QAM	4.510	4.975	PASS
NVNT	Band12	10	23060	50	#0	QPSK	8.985	9.831	PASS
NVNT	Band12	10	23060	50	#0	16QAM	8.994	9.882	PASS
NVNT	Band12	10	23095	50	#0	QPSK	8.993	9.827	PASS
NVNT	Band12	10	23095	50	#0	16QAM	8.982	9.755	PASS
NVNT	Band12	10	23130	50	#0	QPSK	8.995	9.937	PASS
NVNT	Band12	10	23130	50	#0	16QAM	9.013	9.887	PASS



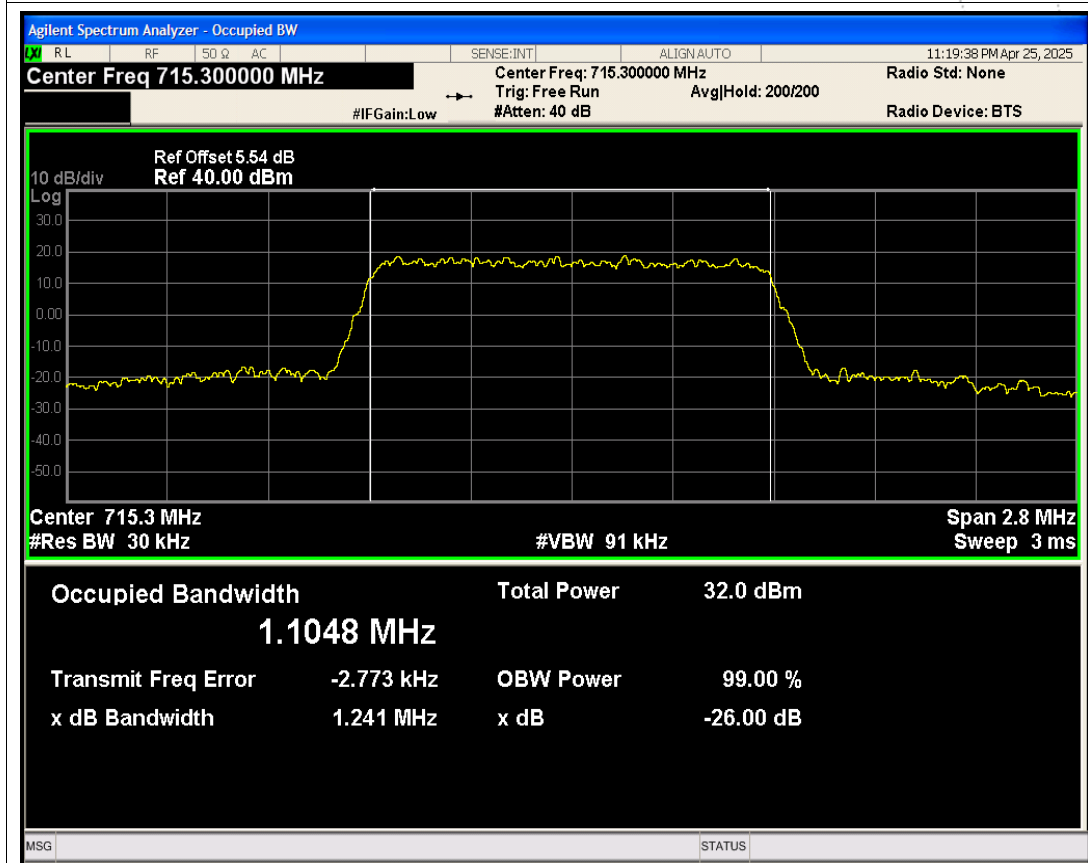
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

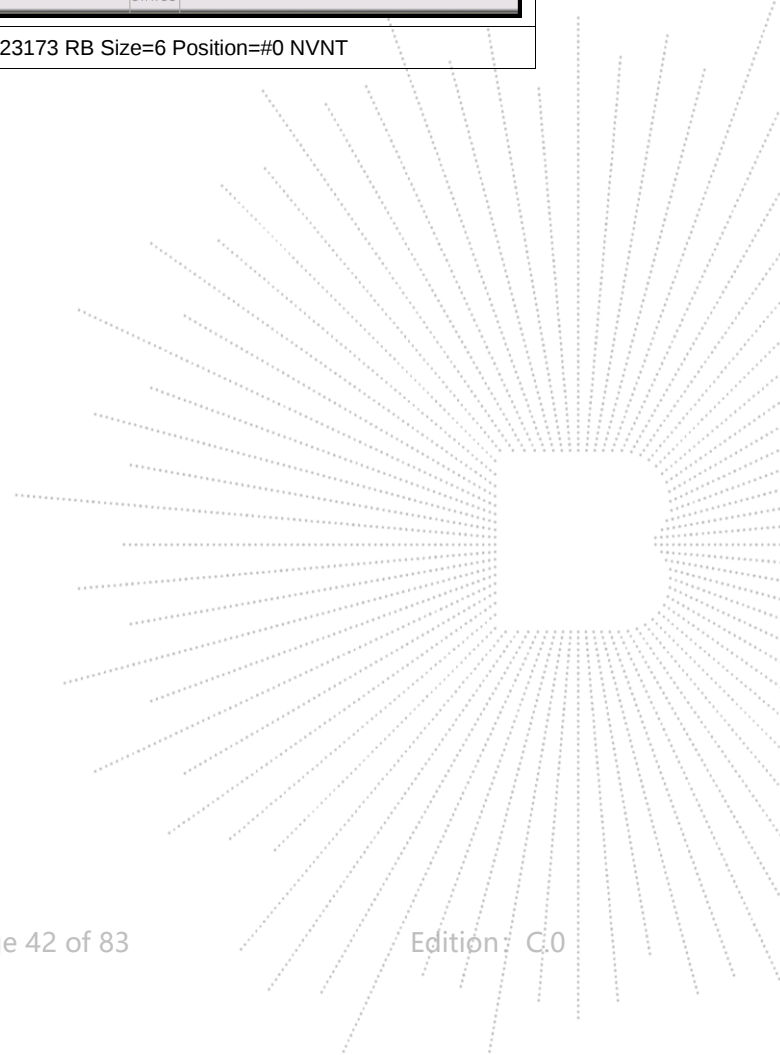
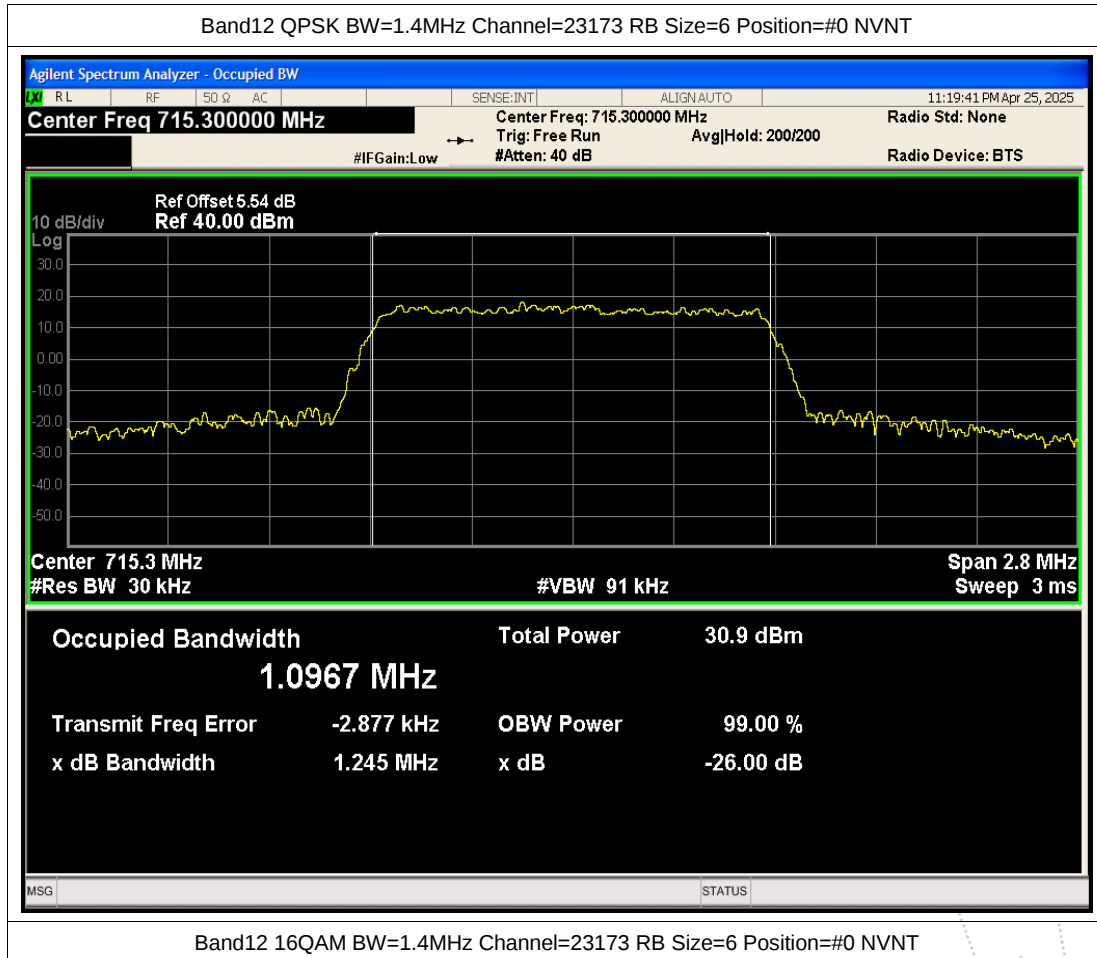


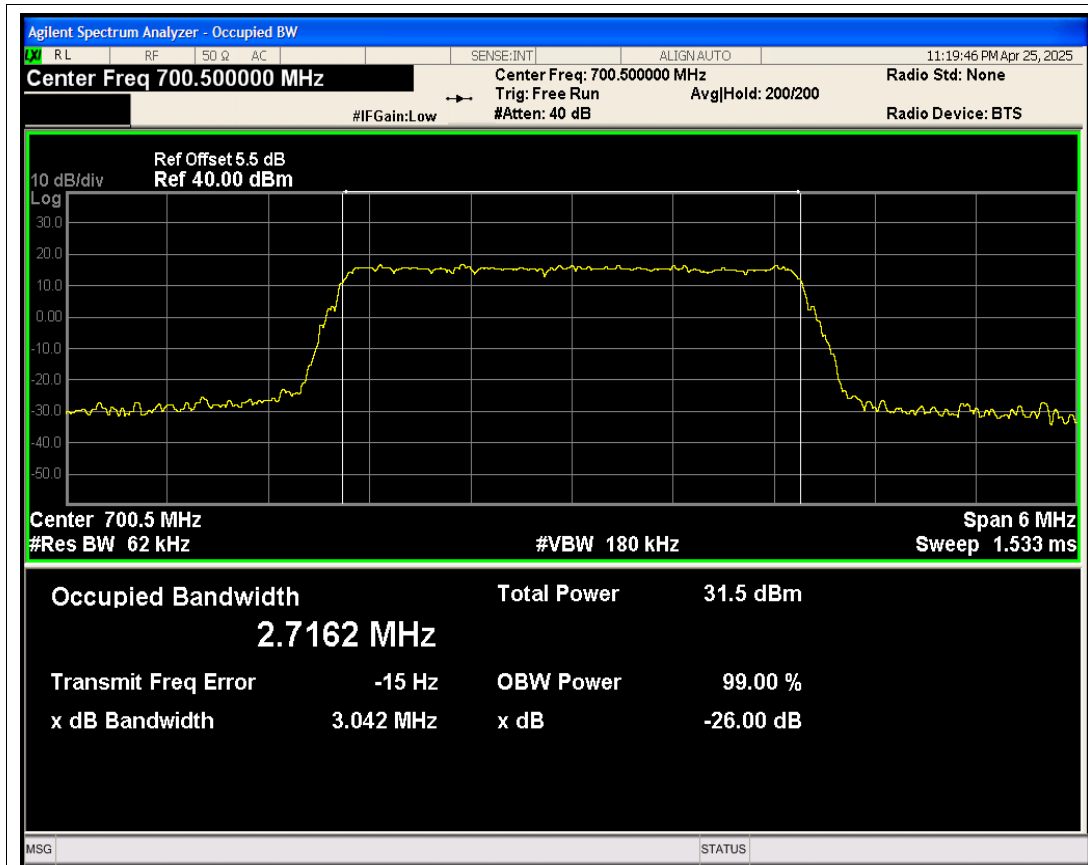




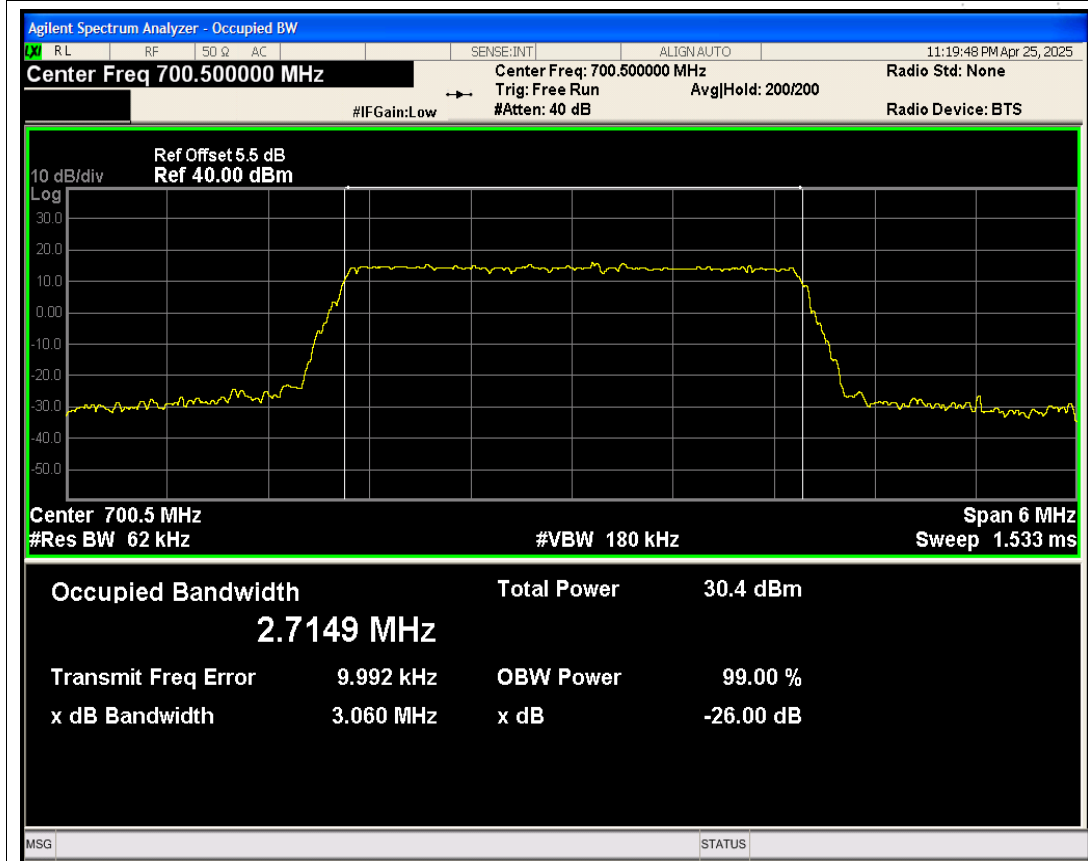
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT

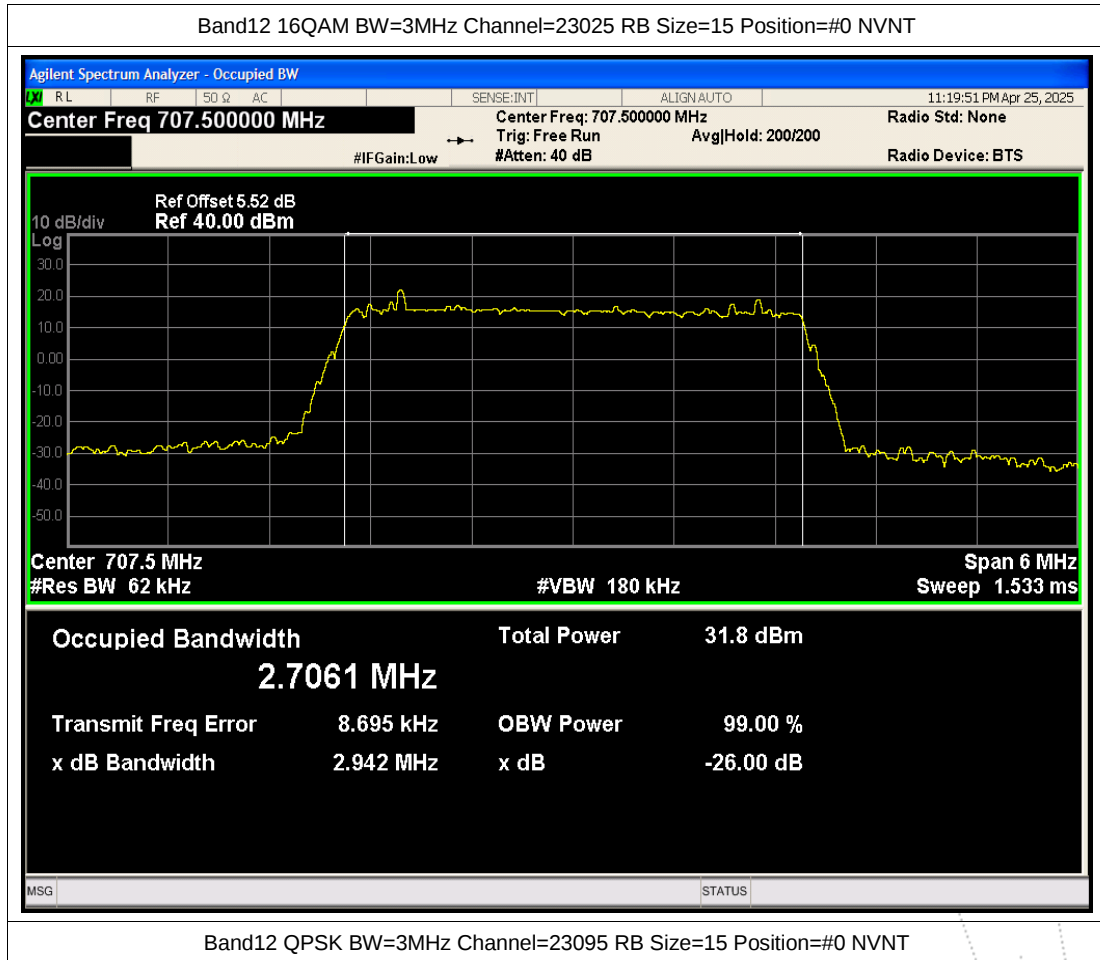


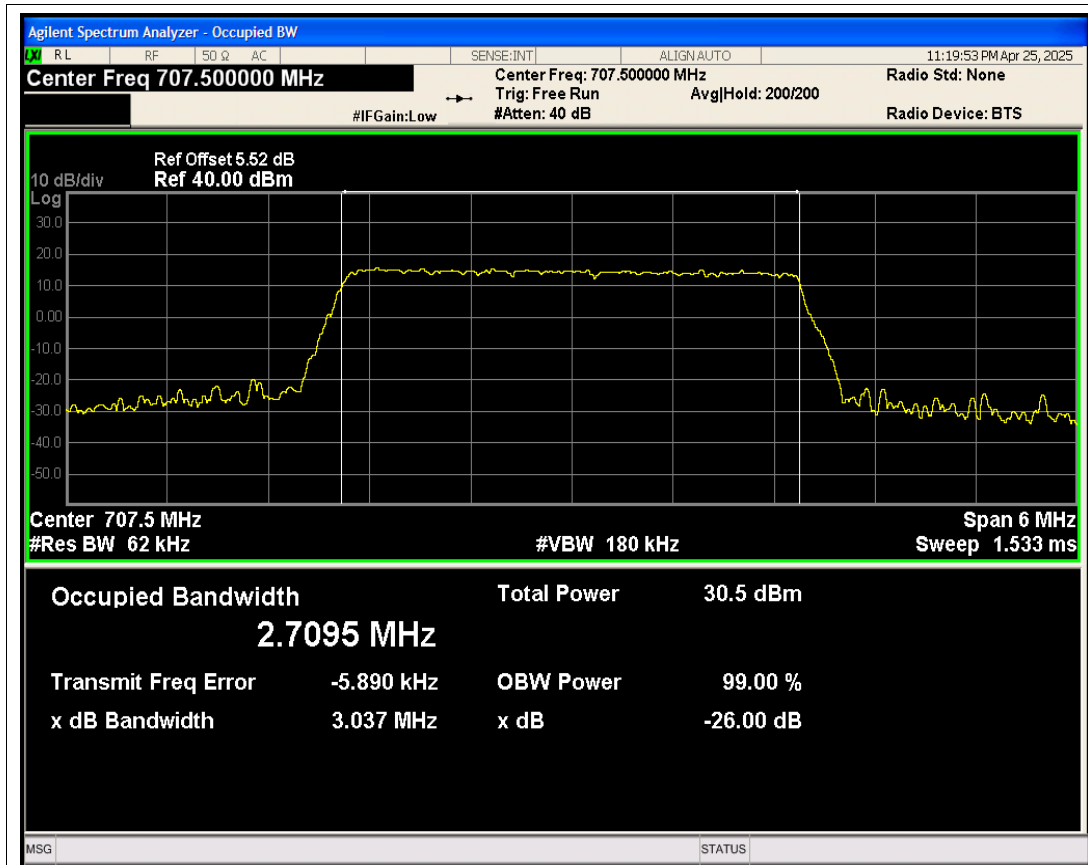




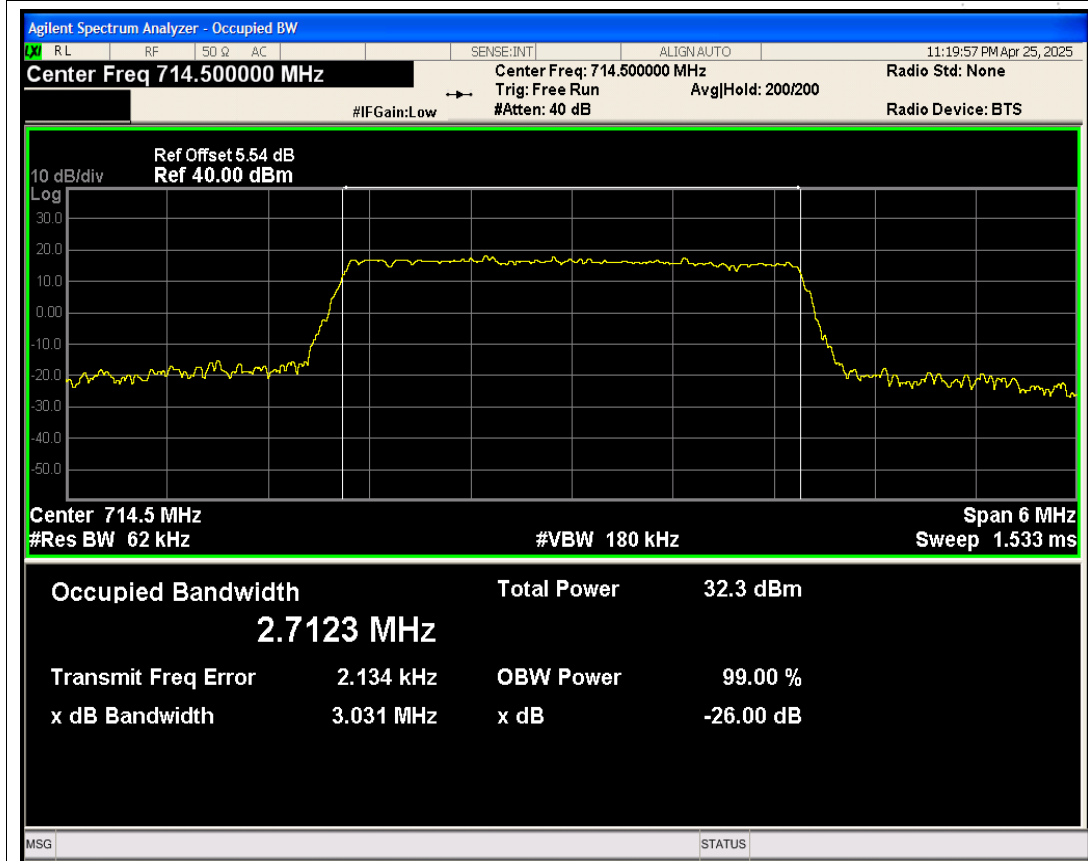
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

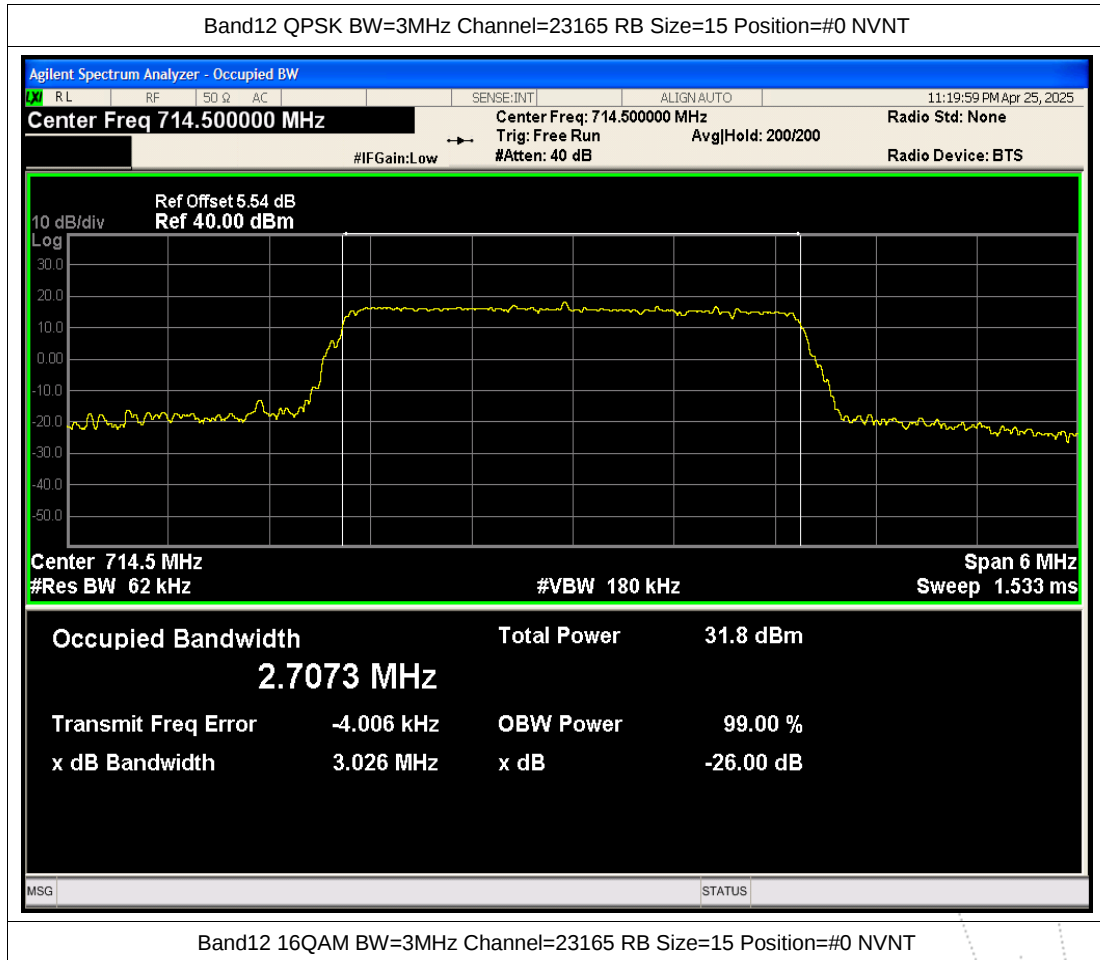


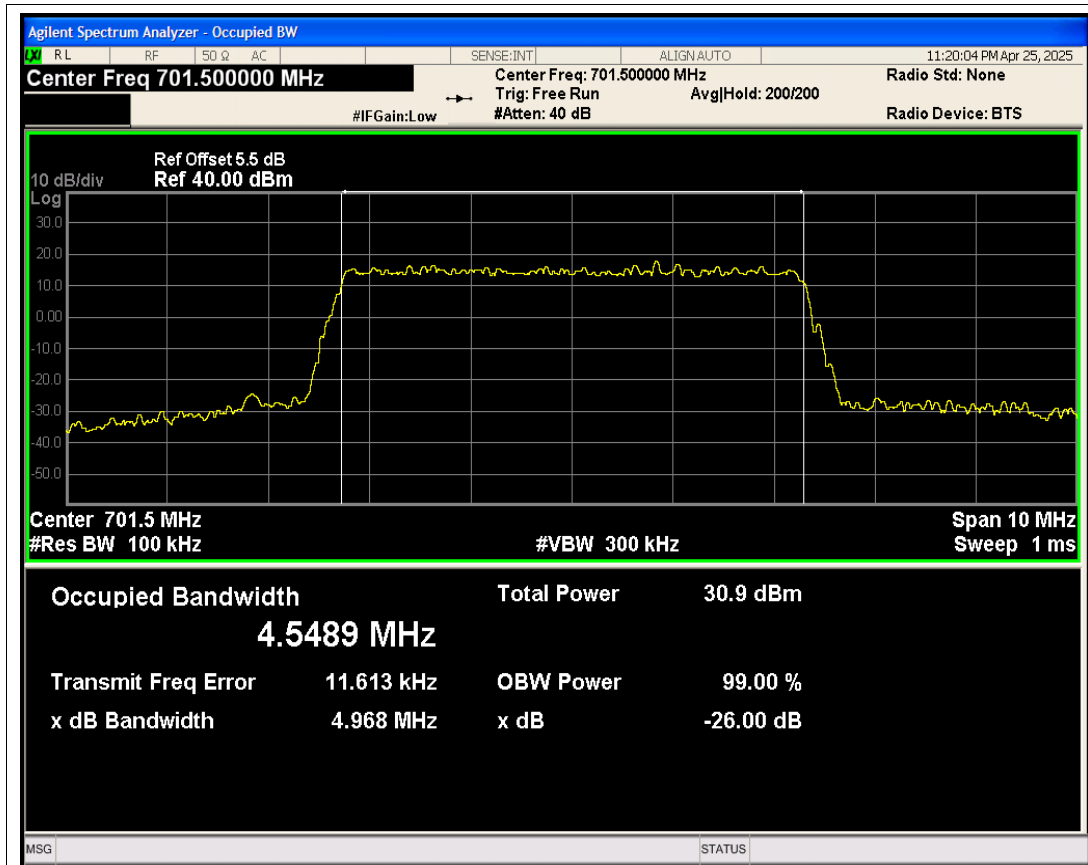




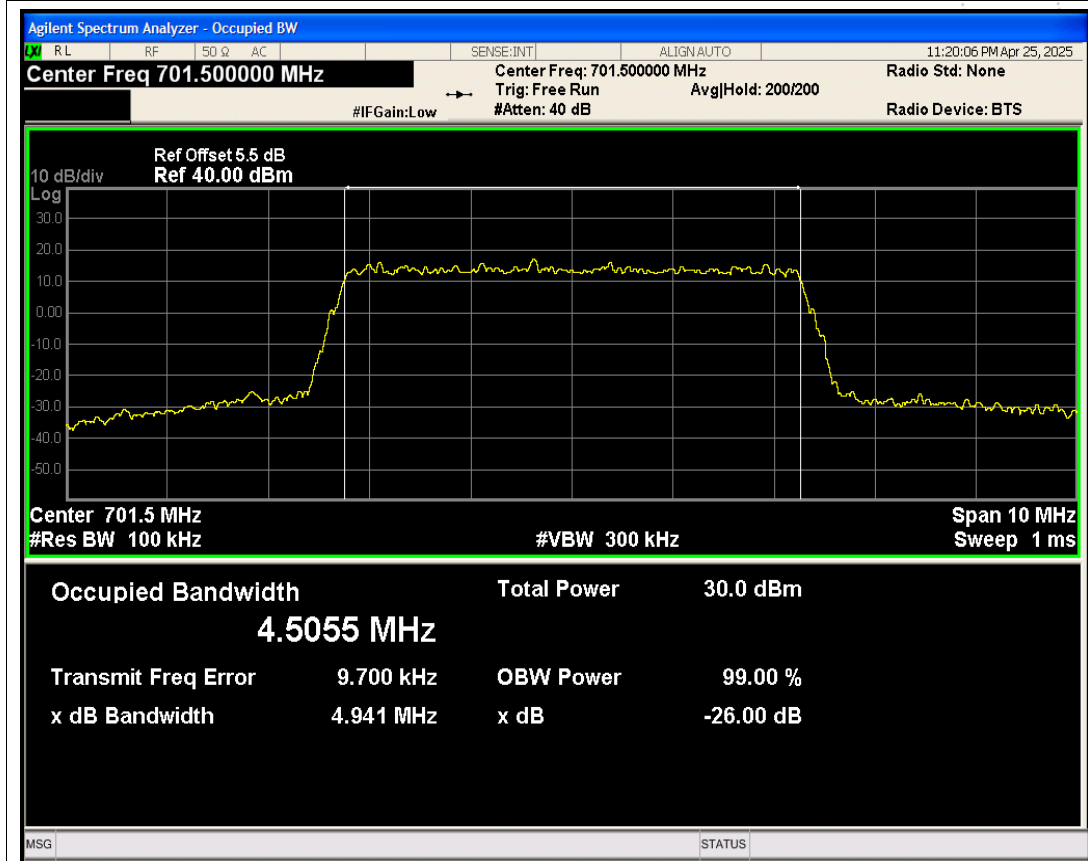
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT

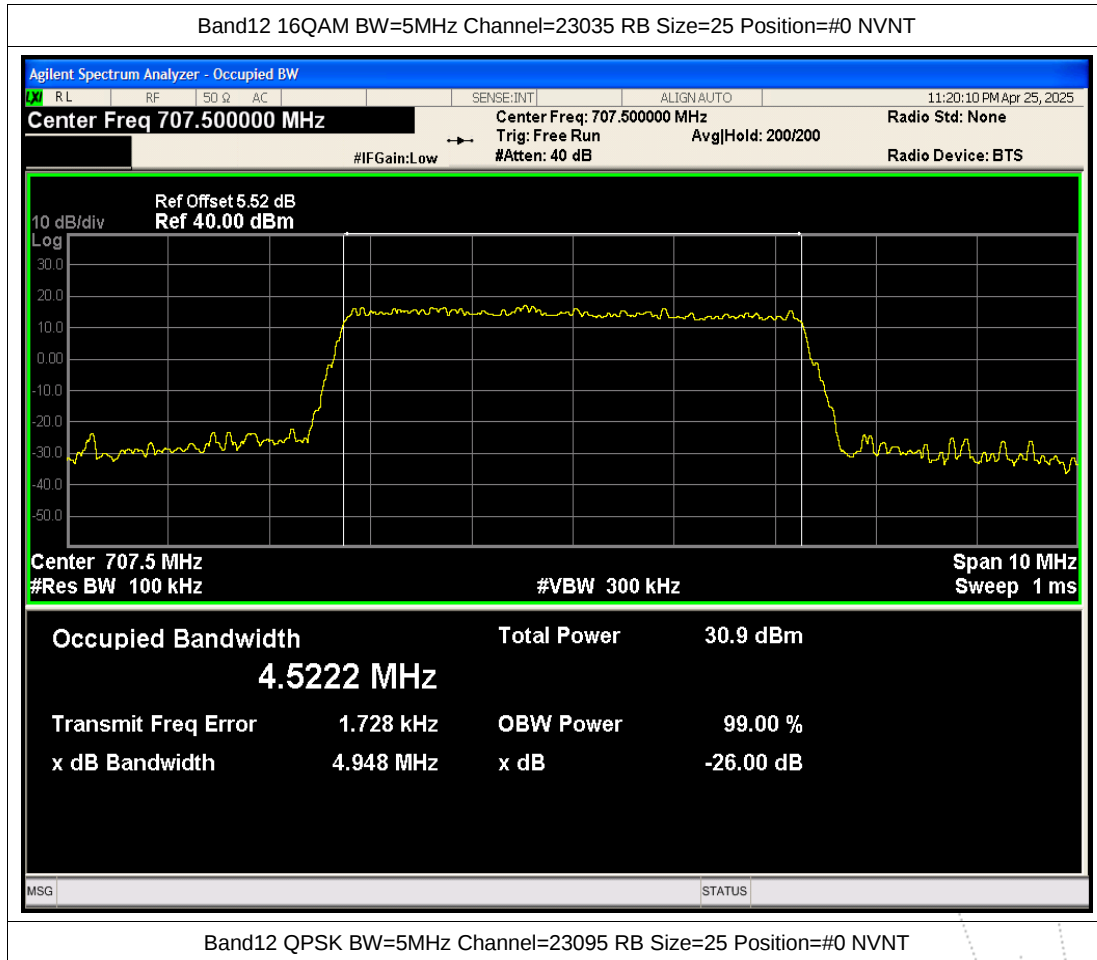


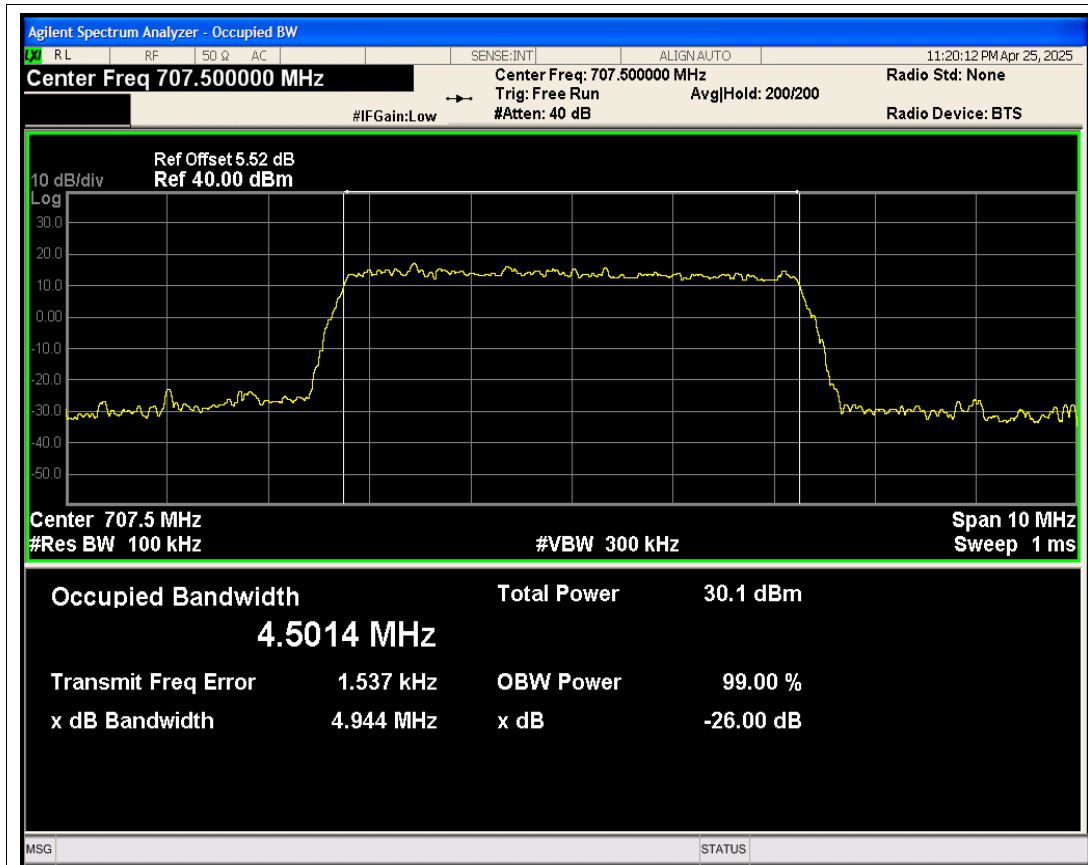




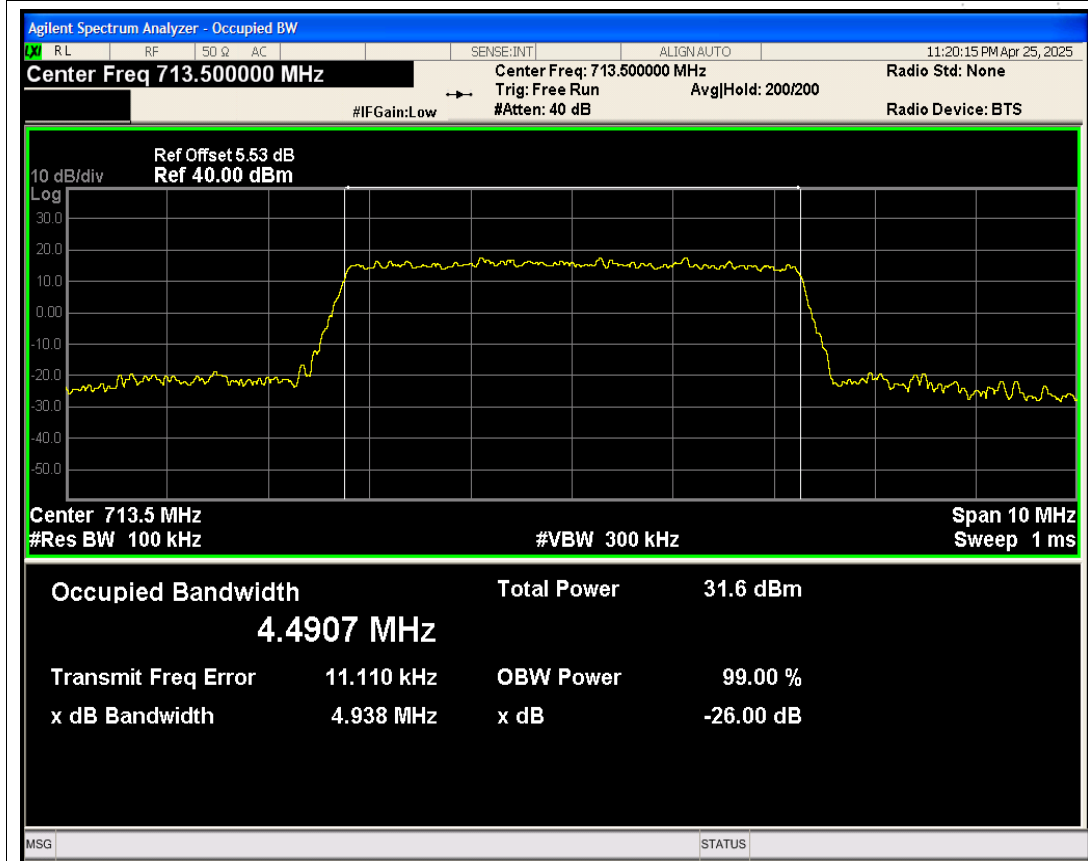
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT

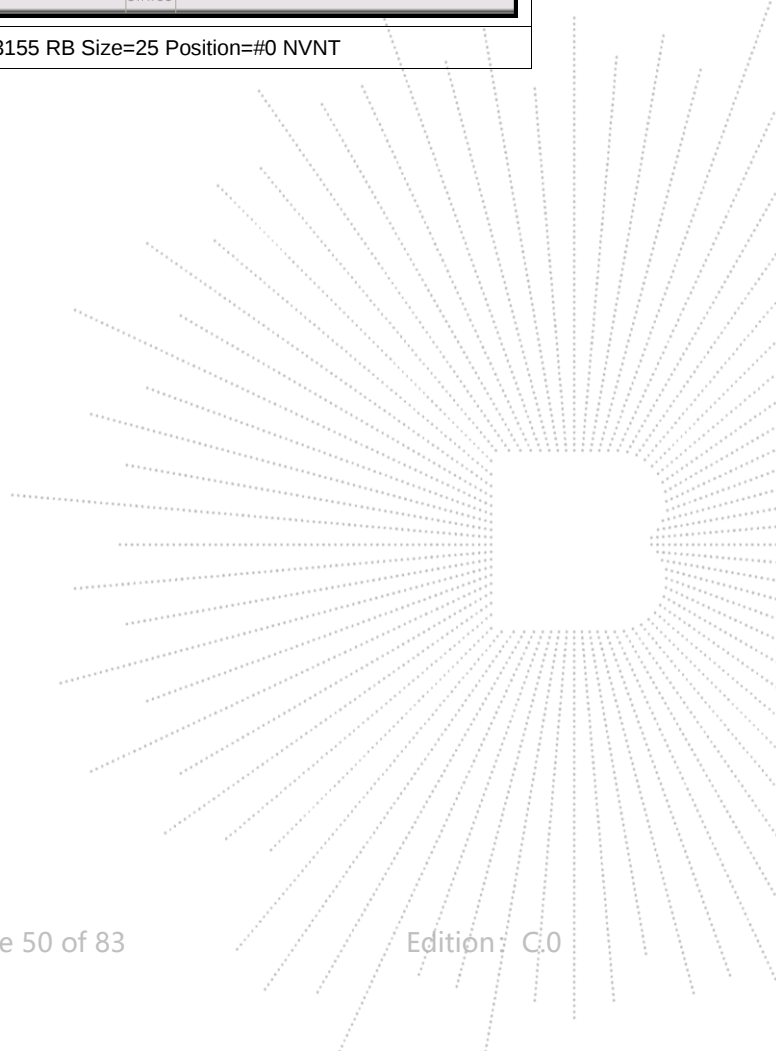
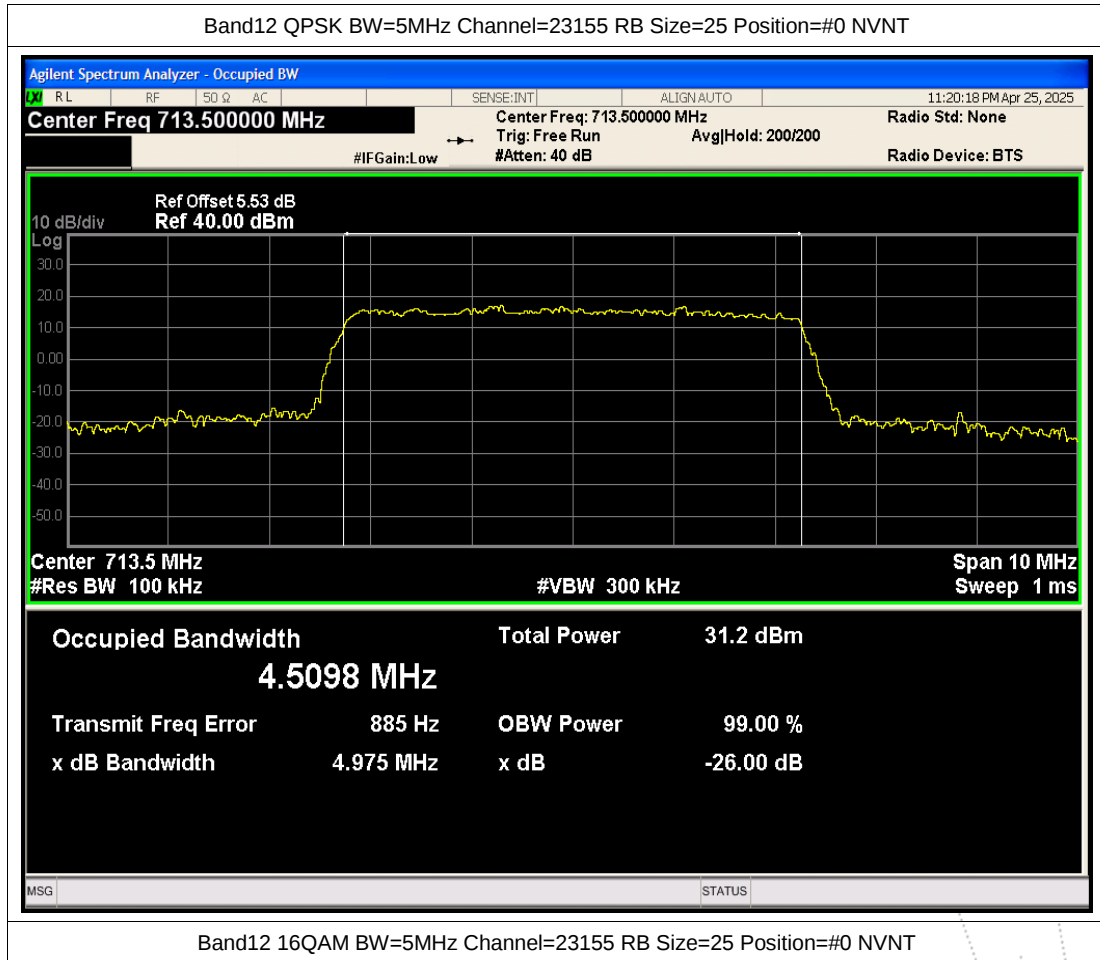


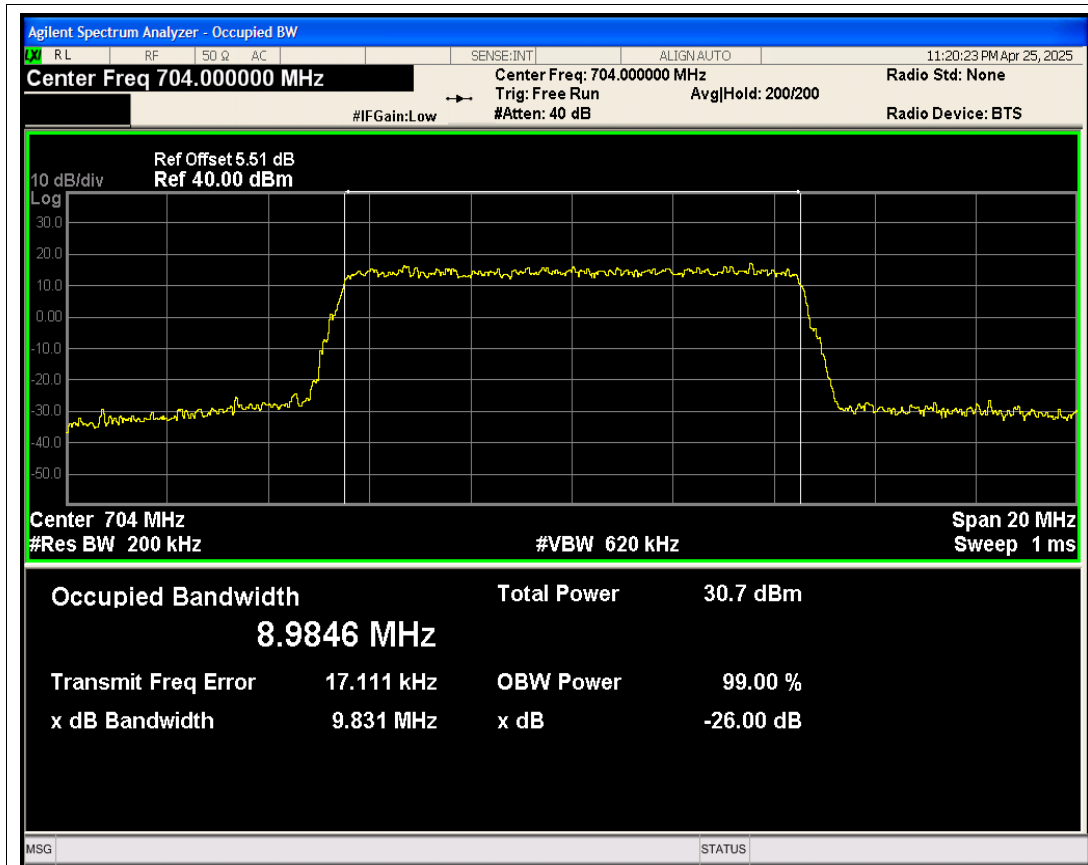




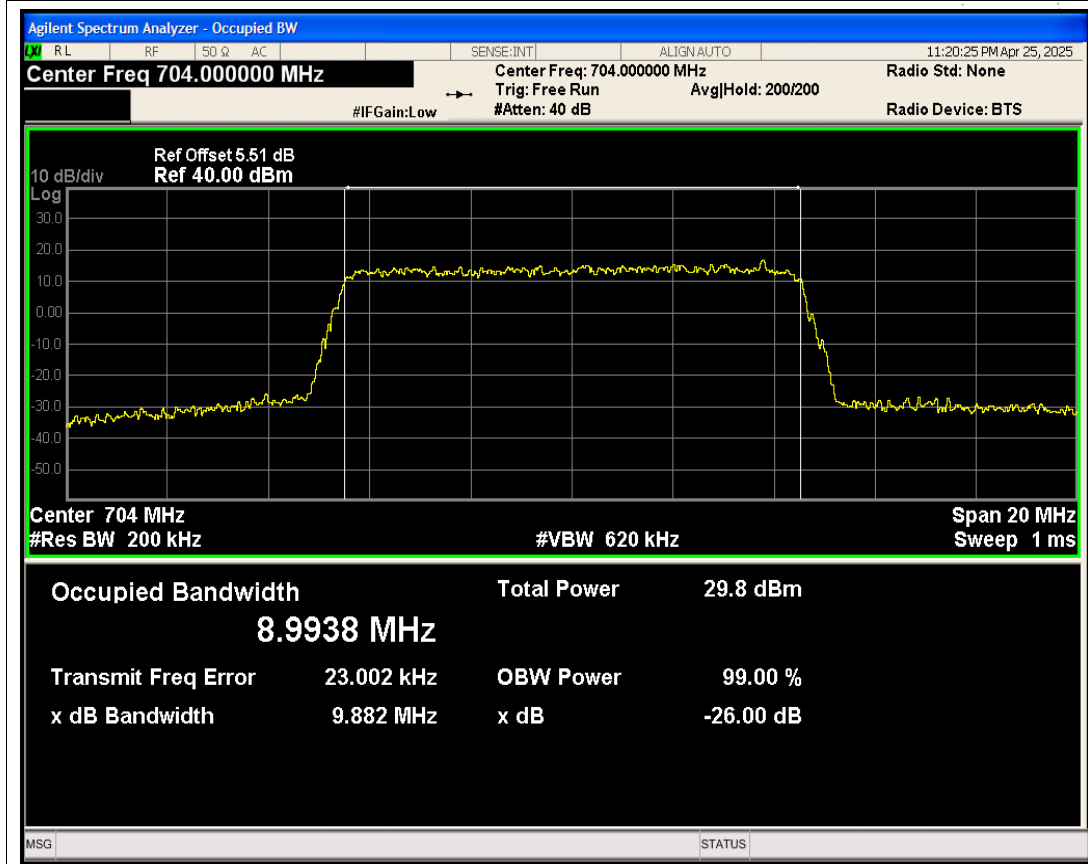
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT

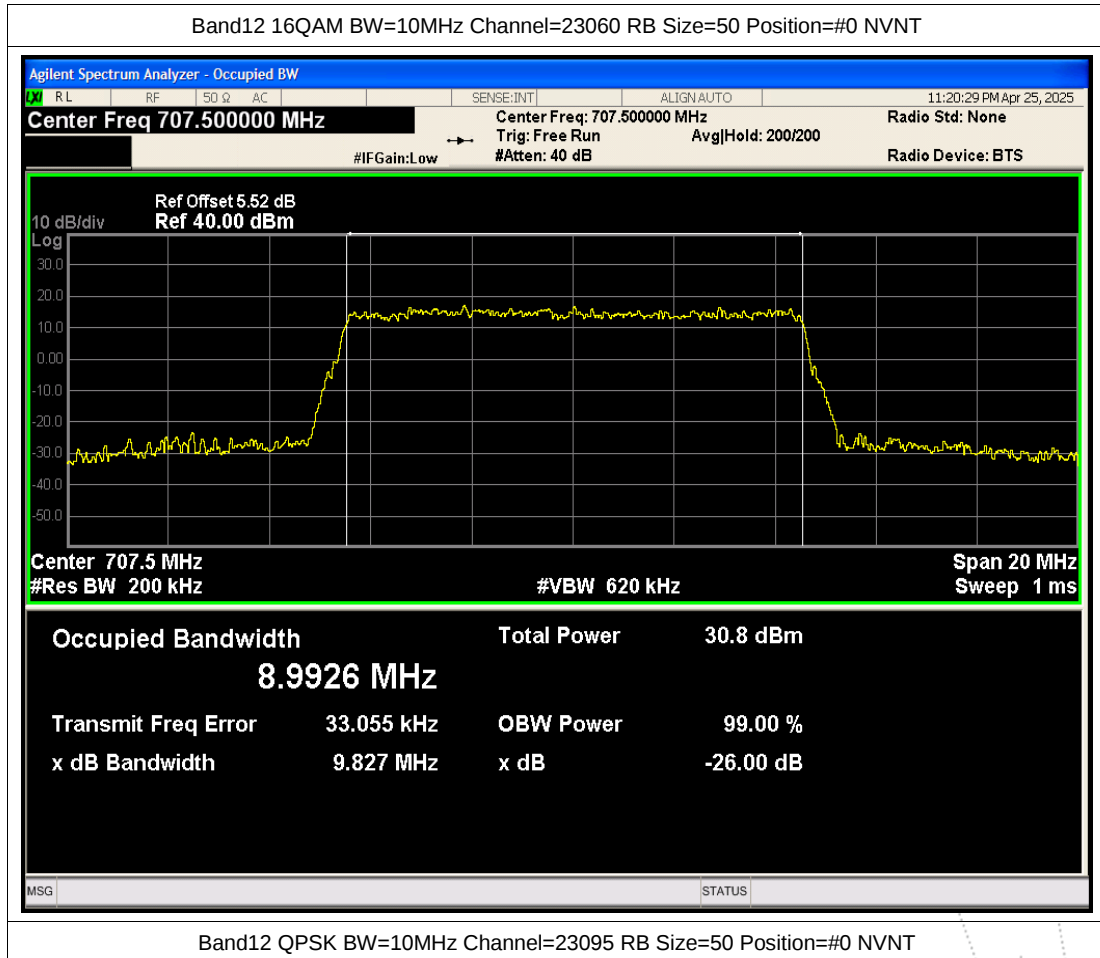


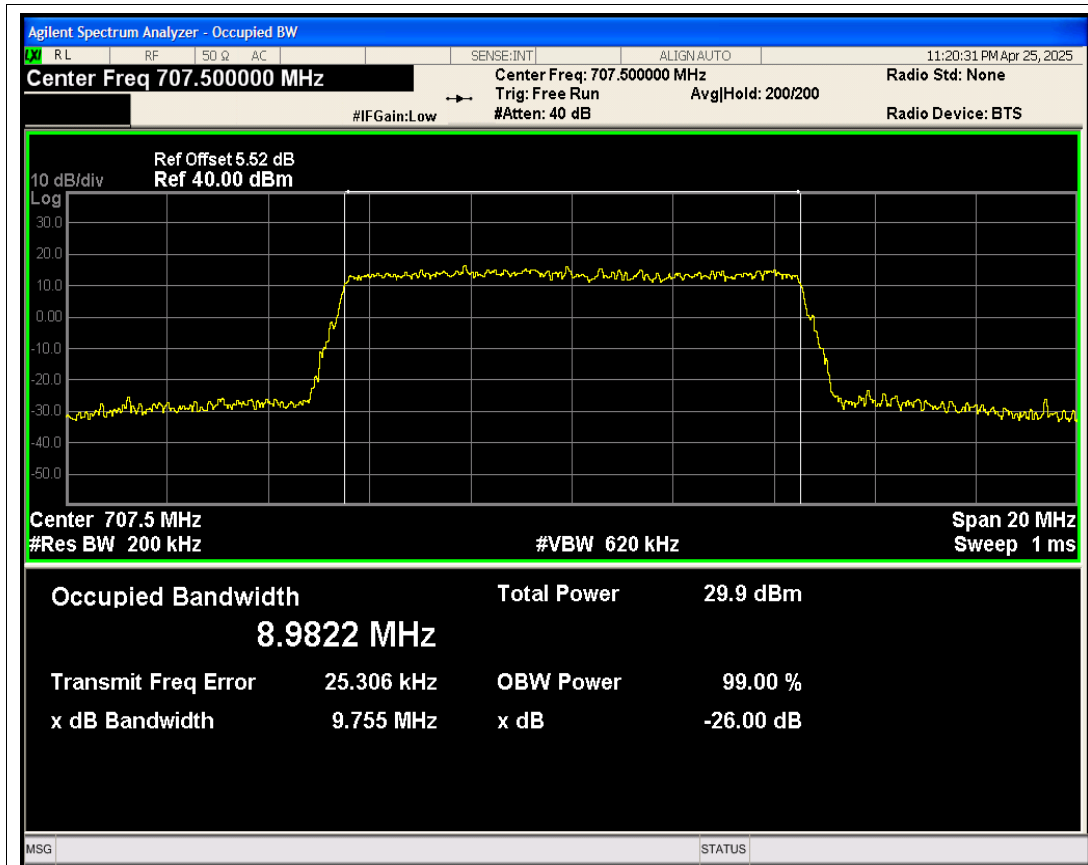




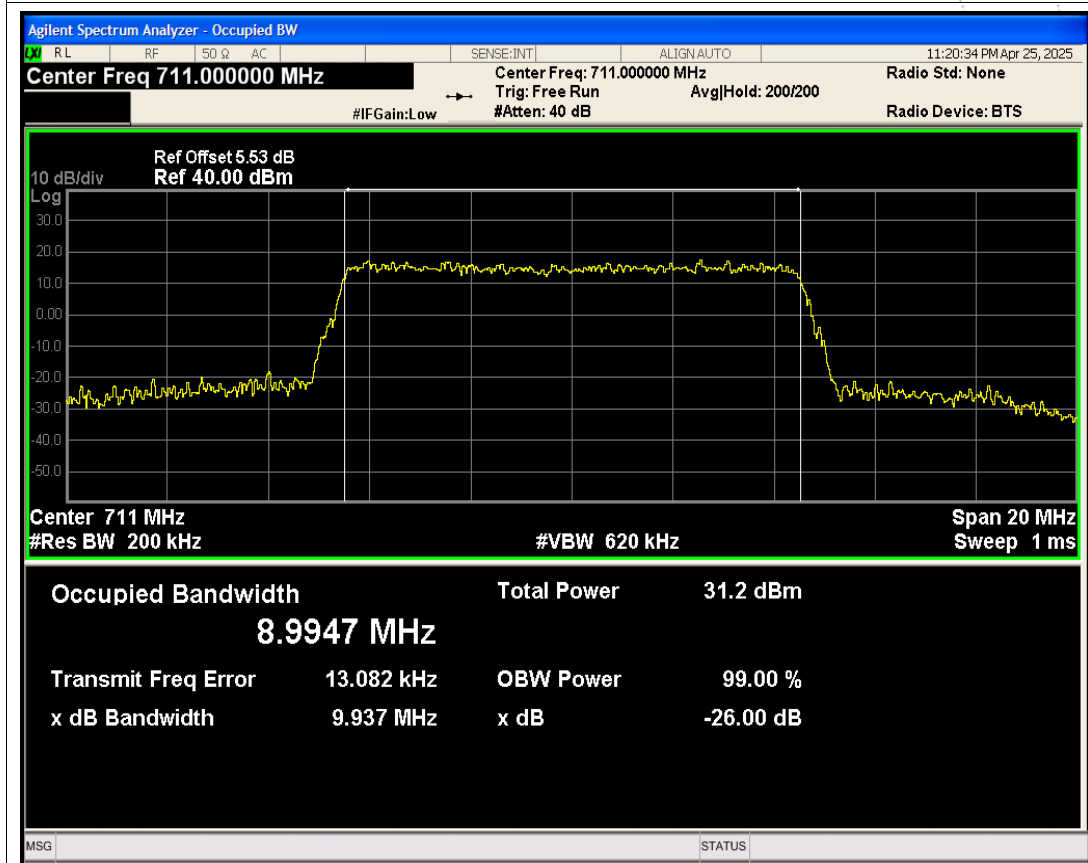
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

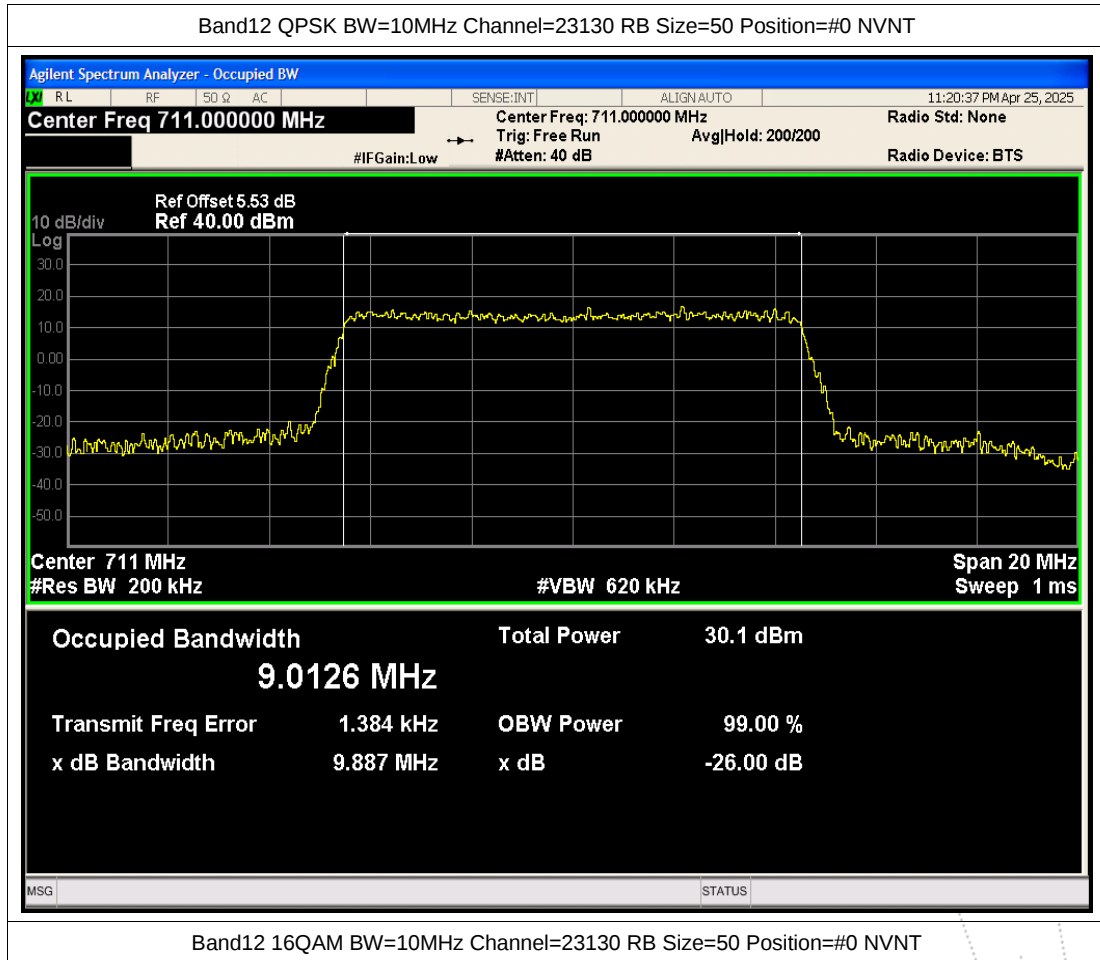






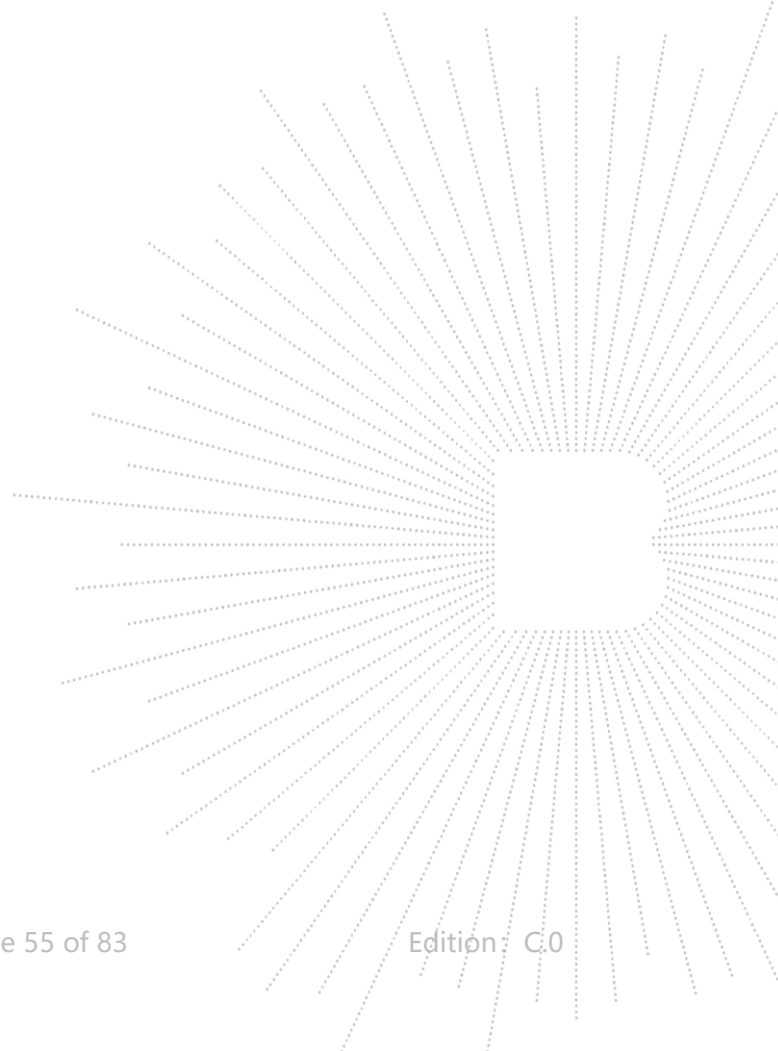
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT

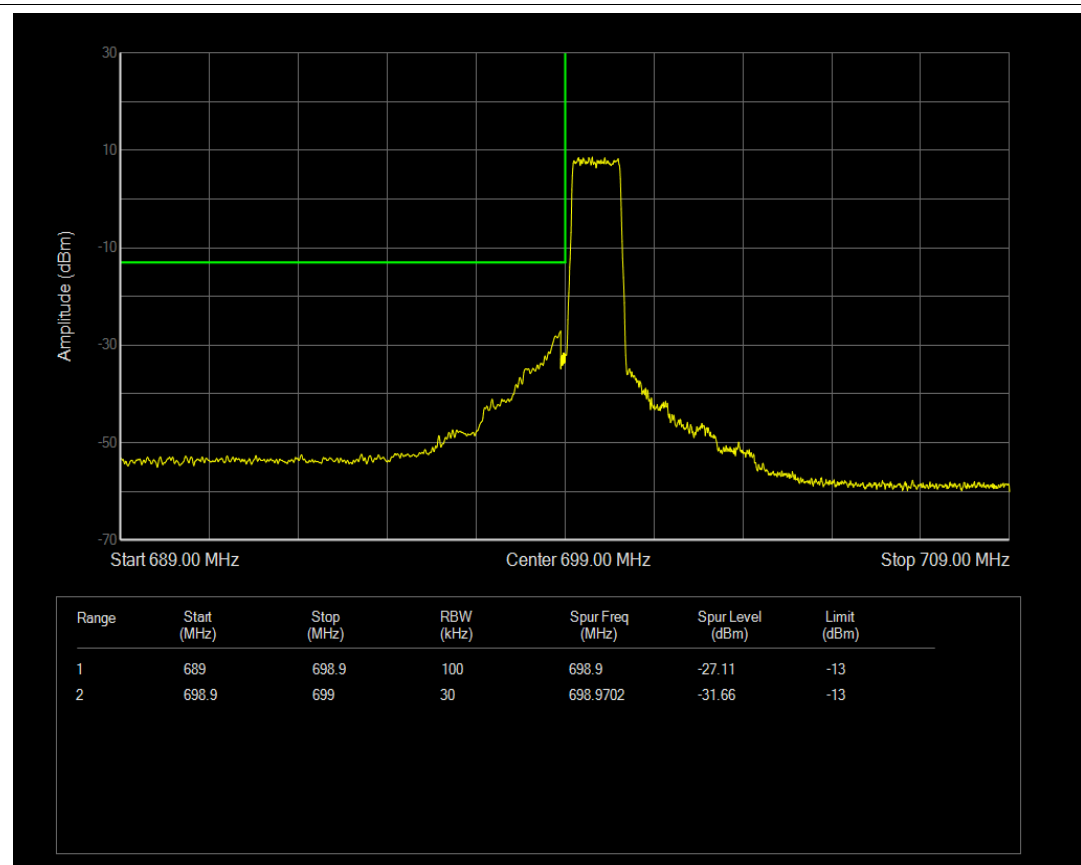




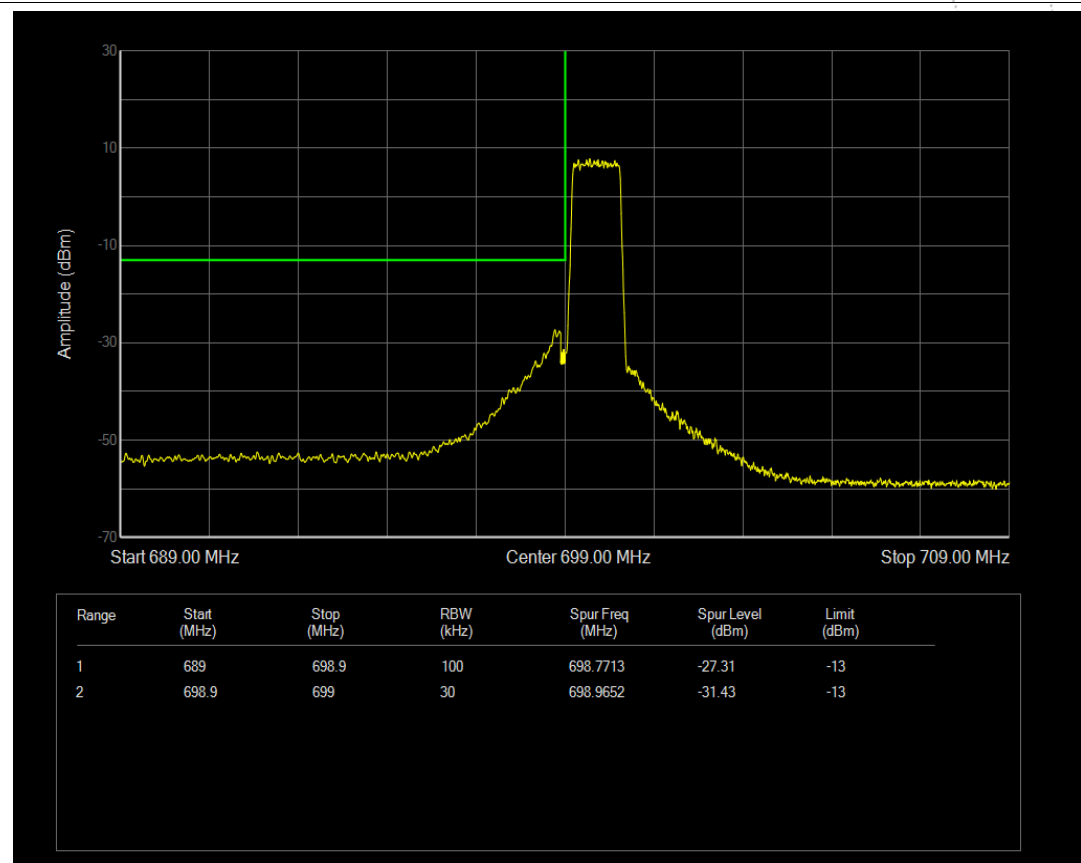
Appendix 5.Band edge

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band12	1.4	23017	6	#0	QPSK	698.90	-27.11	-13	PASS
NVNT	Band12	1.4	23017	6	#0	16QAM	698.77	-27.31	-13	PASS
NVNT	Band12	1.4	23173	6	#0	QPSK	716.21	-23.68	-13	PASS
NVNT	Band12	1.4	23173	6	#0	16QAM	716.11	-24.68	-13	PASS
NVNT	Band12	3	23025	15	#0	QPSK	699.00	-23.30	-13	PASS
NVNT	Band12	3	23025	15	#0	16QAM	699.00	-24.47	-13	PASS
NVNT	Band12	3	23165	15	#0	QPSK	716.00	-24.35	-13	PASS
NVNT	Band12	3	23165	15	#0	16QAM	716.00	-23.31	-13	PASS
NVNT	Band12	5	23035	25	#0	QPSK	698.99	-32.03	-13	PASS
NVNT	Band12	5	23035	25	#0	16QAM	698.99	-32.70	-13	PASS
NVNT	Band12	5	23155	25	#0	QPSK	716.11	-31.52	-13	PASS
NVNT	Band12	5	23155	25	#0	16QAM	716.27	-30.46	-13	PASS
NVNT	Band12	10	23060	50	#0	QPSK	698.90	-36.65	-13	PASS
NVNT	Band12	10	23060	50	#0	16QAM	698.90	-37.49	-13	PASS
NVNT	Band12	10	23130	50	#0	QPSK	716.11	-35.88	-13	PASS
NVNT	Band12	10	23130	50	#0	16QAM	716.11	-36.63	-13	PASS

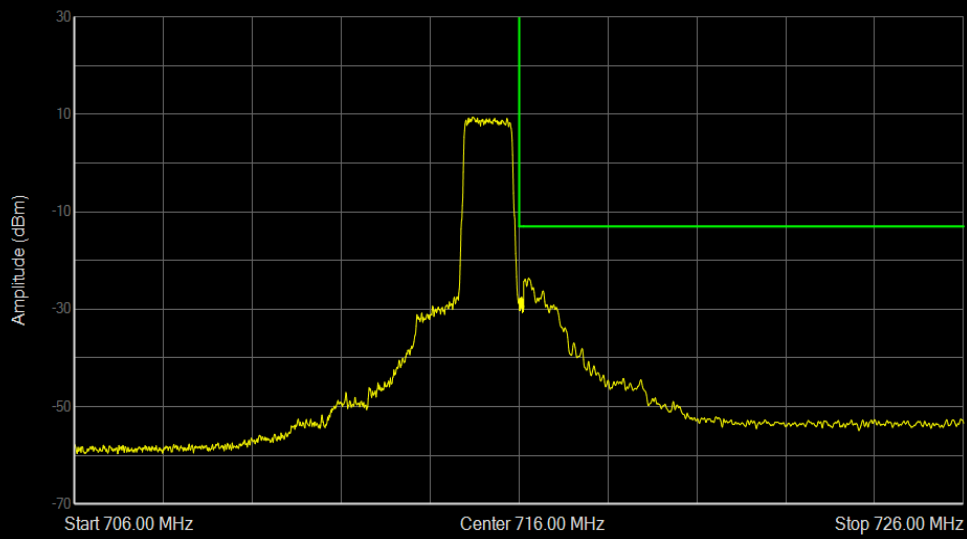




Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

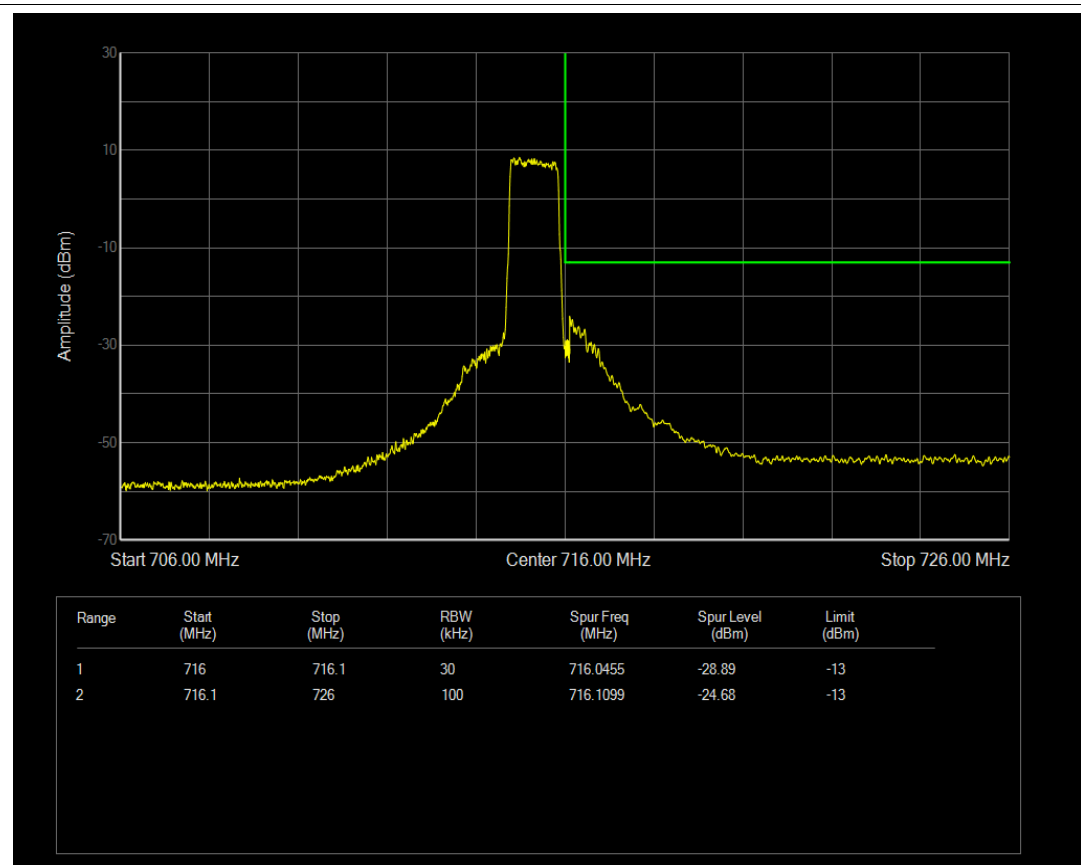


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

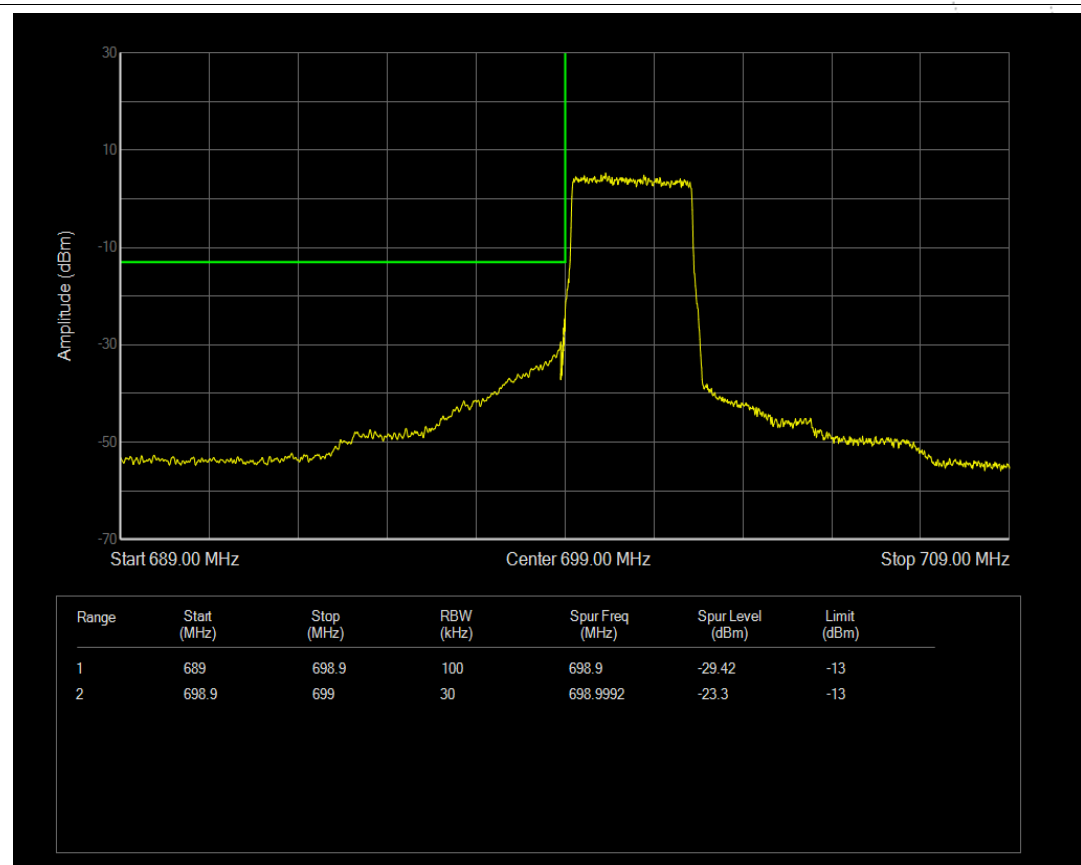


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0547	-27.59	-13
2	716.1	726	100	716.2089	-23.68	-13

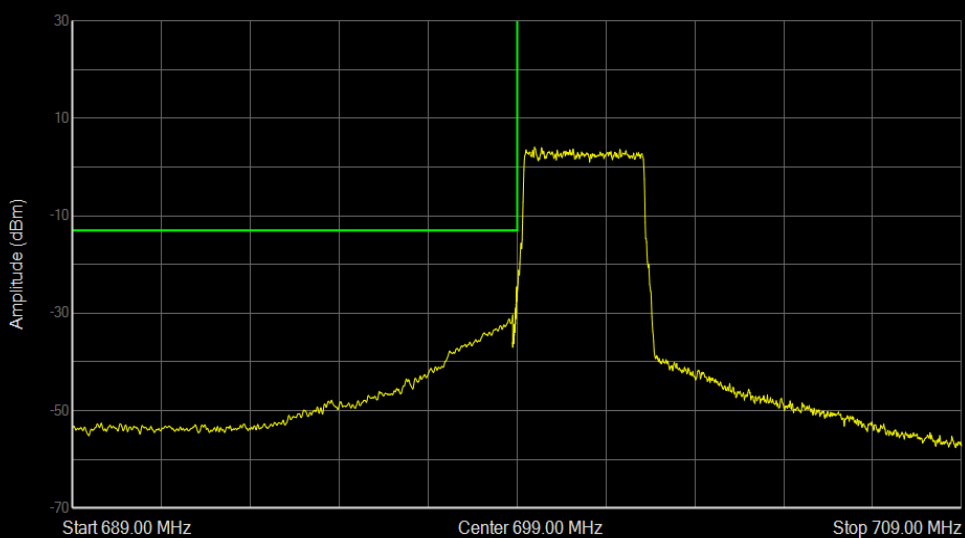
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



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

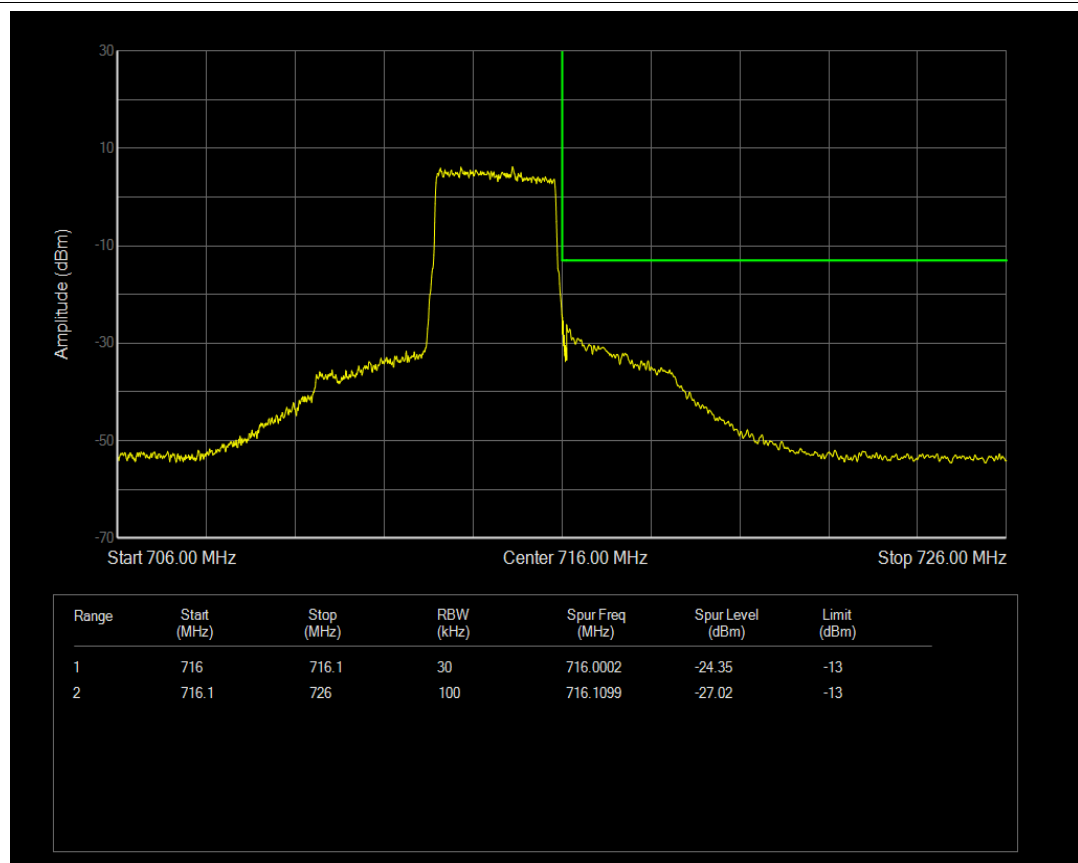


Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

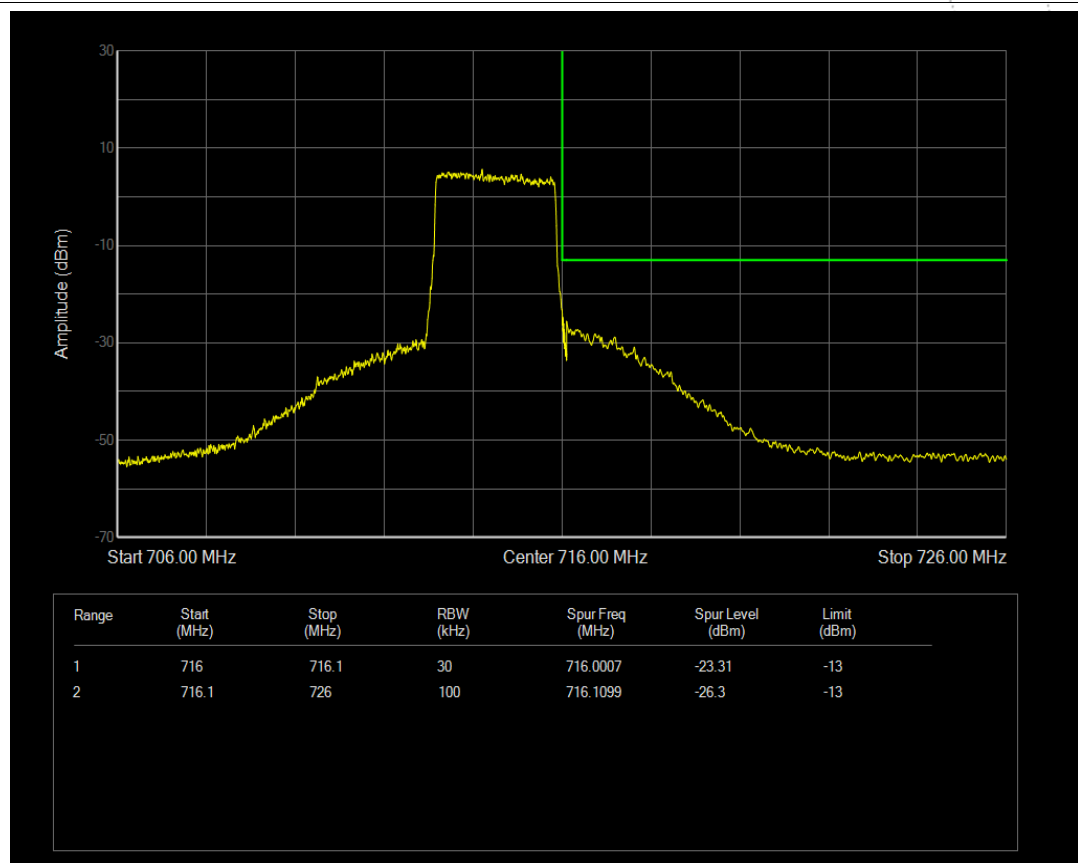


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-30.35	-13
2	698.9	699	30	698.9967	-24.47	-13

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

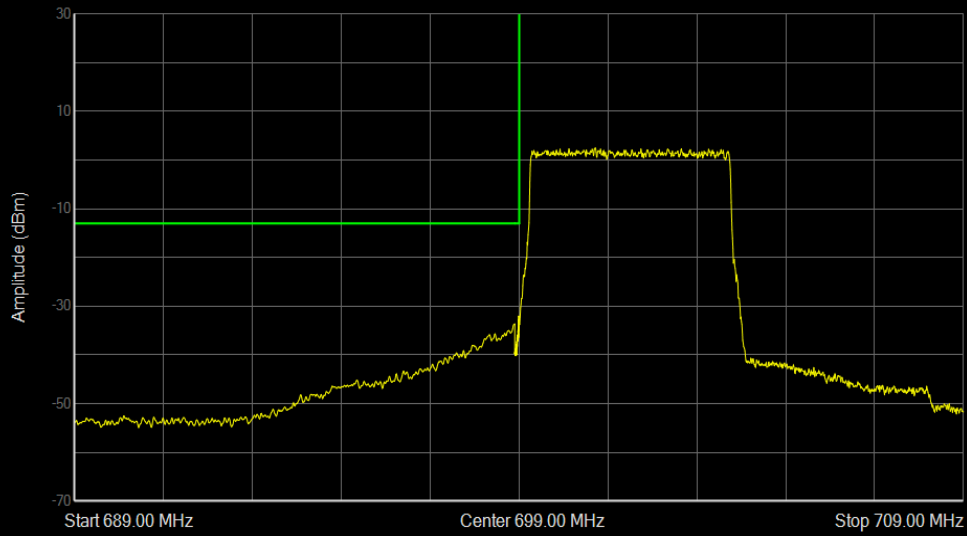


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



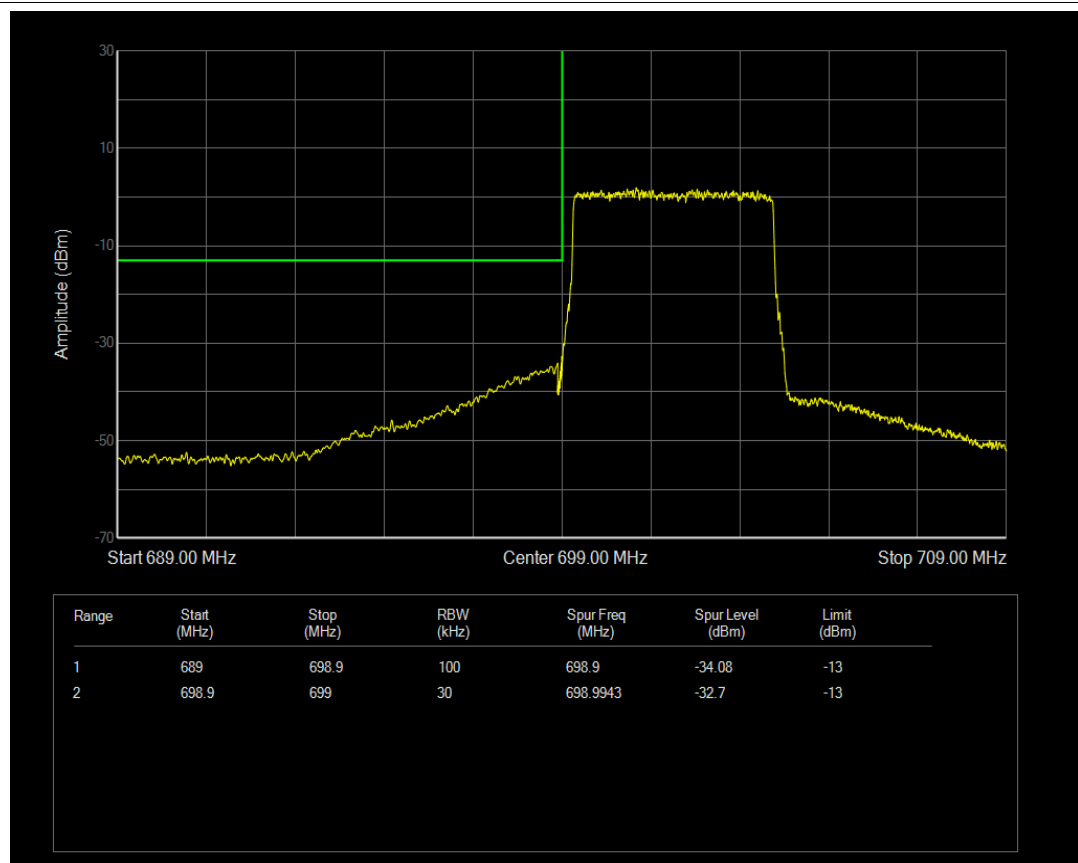


Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT

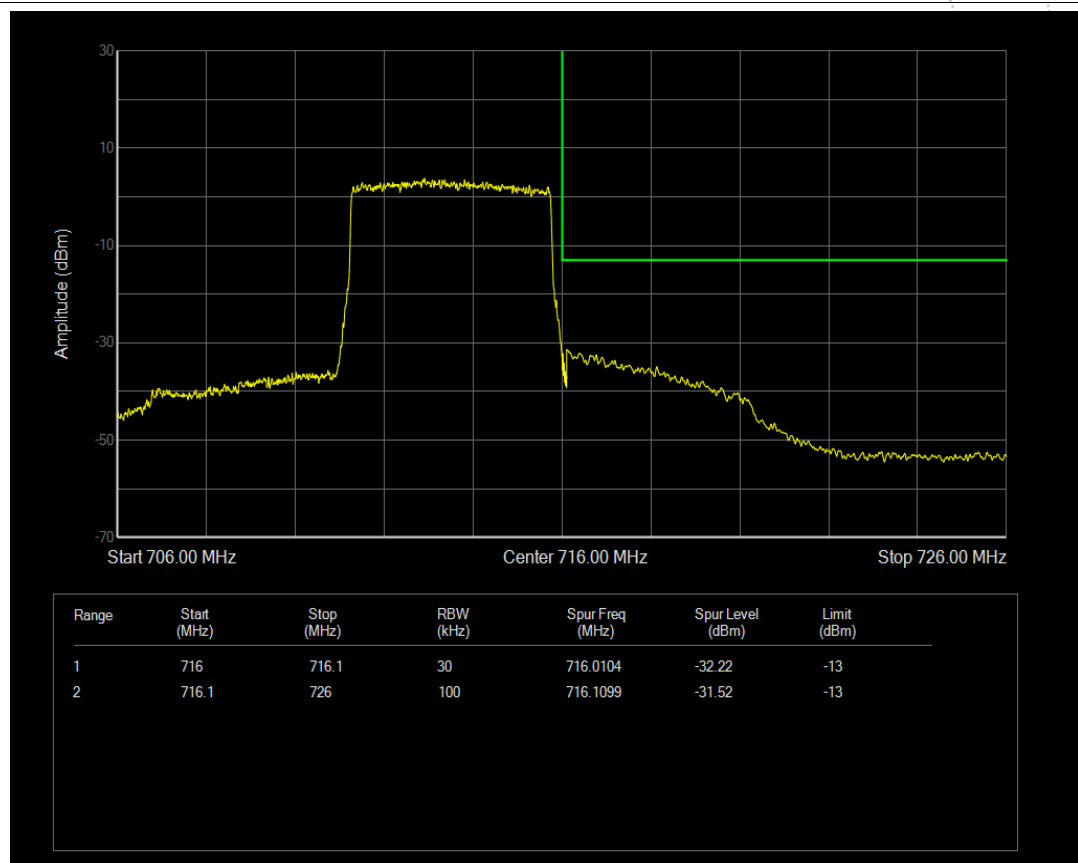


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-33.63	-13
2	698.9	699	30	698.9894	-32.03	-13

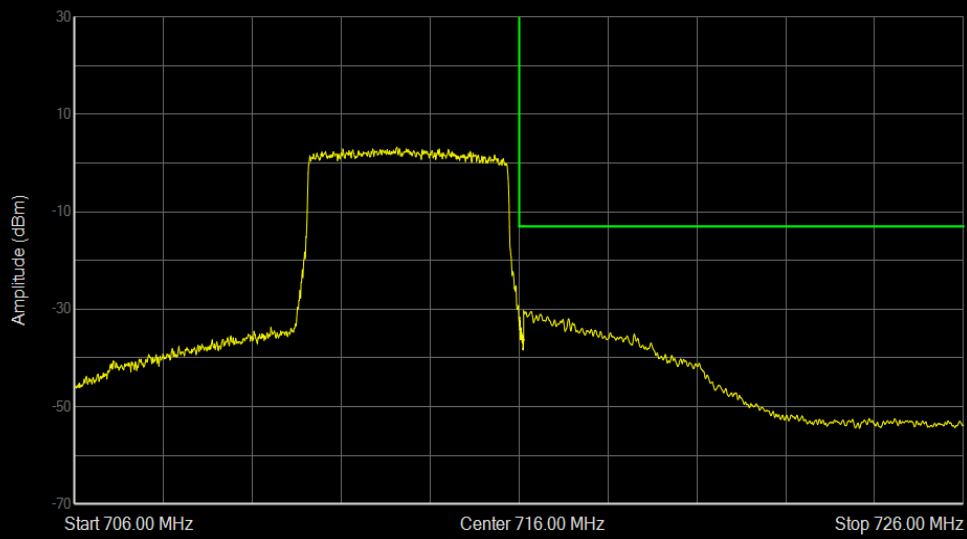
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



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

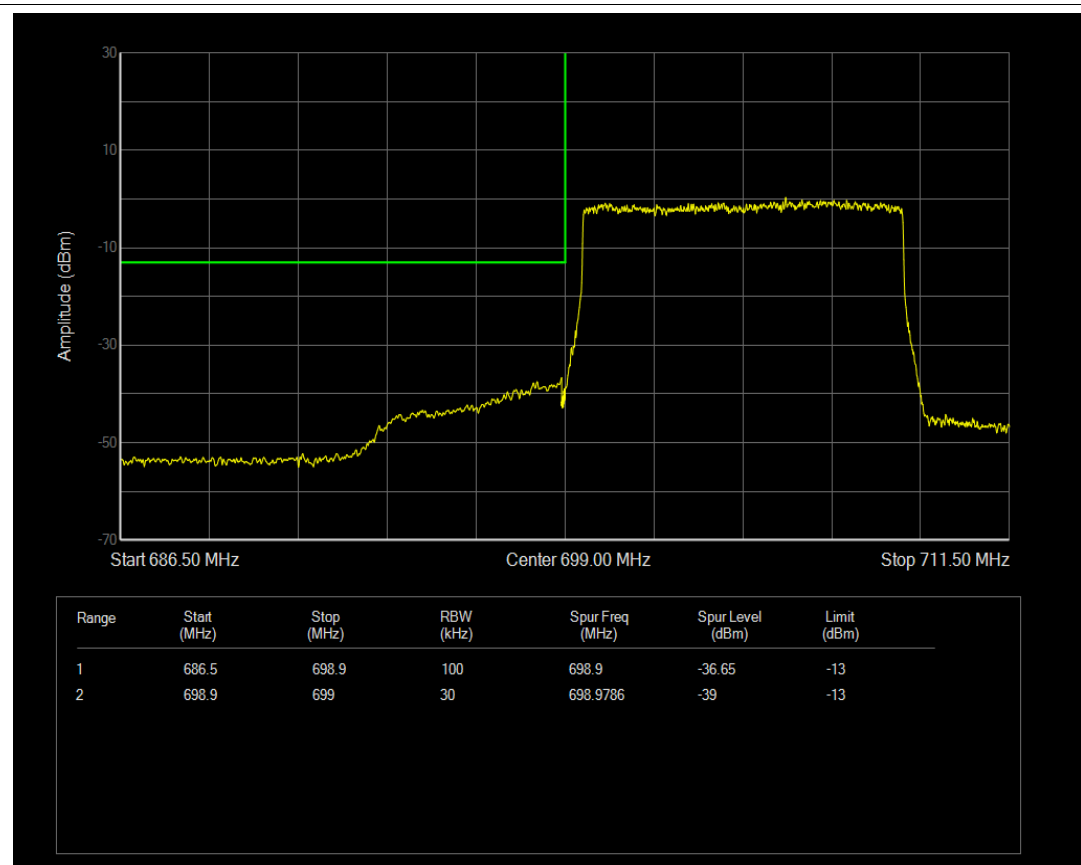


Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT

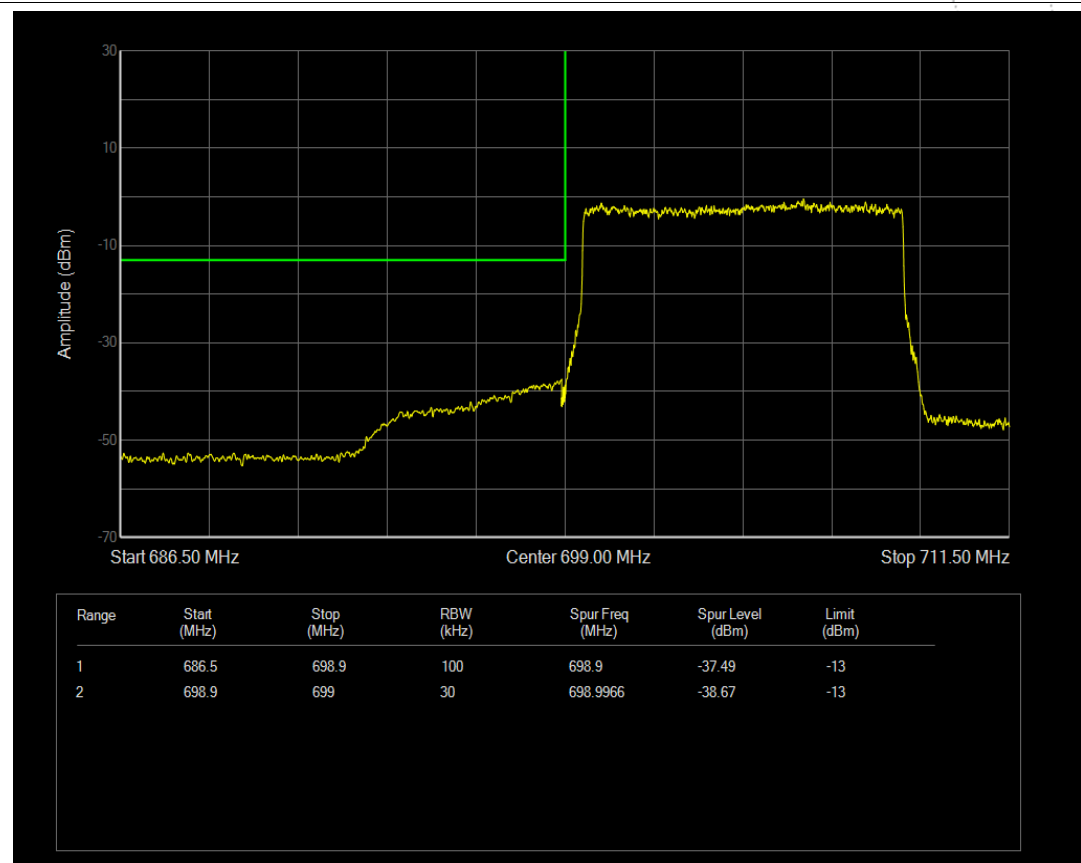


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0054	-31.6	-13
2	716.1	726	100	716.2683	-30.46	-13

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

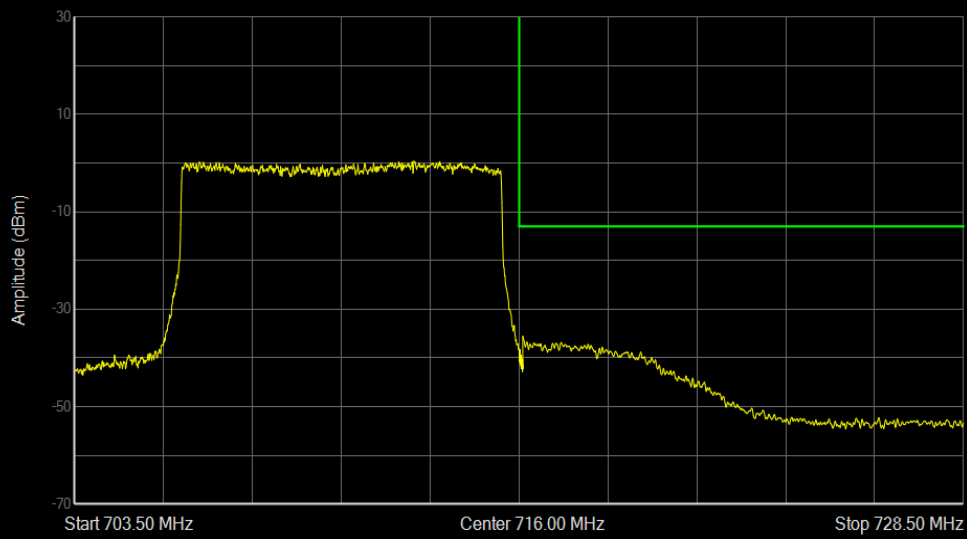


Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT



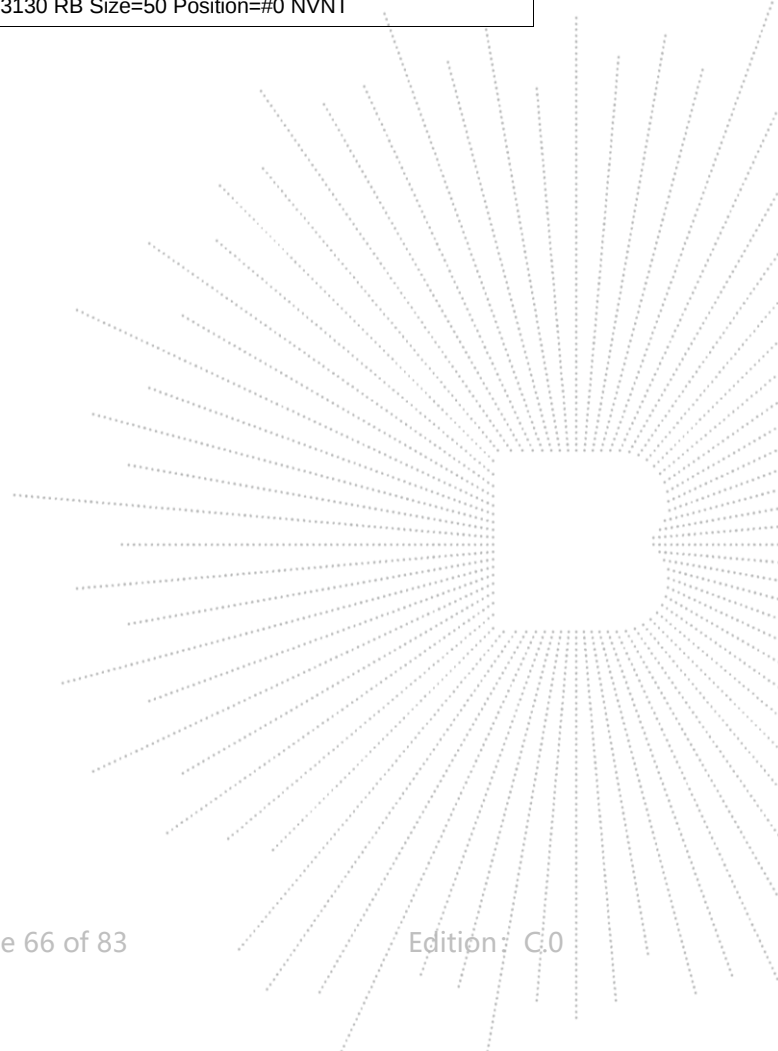
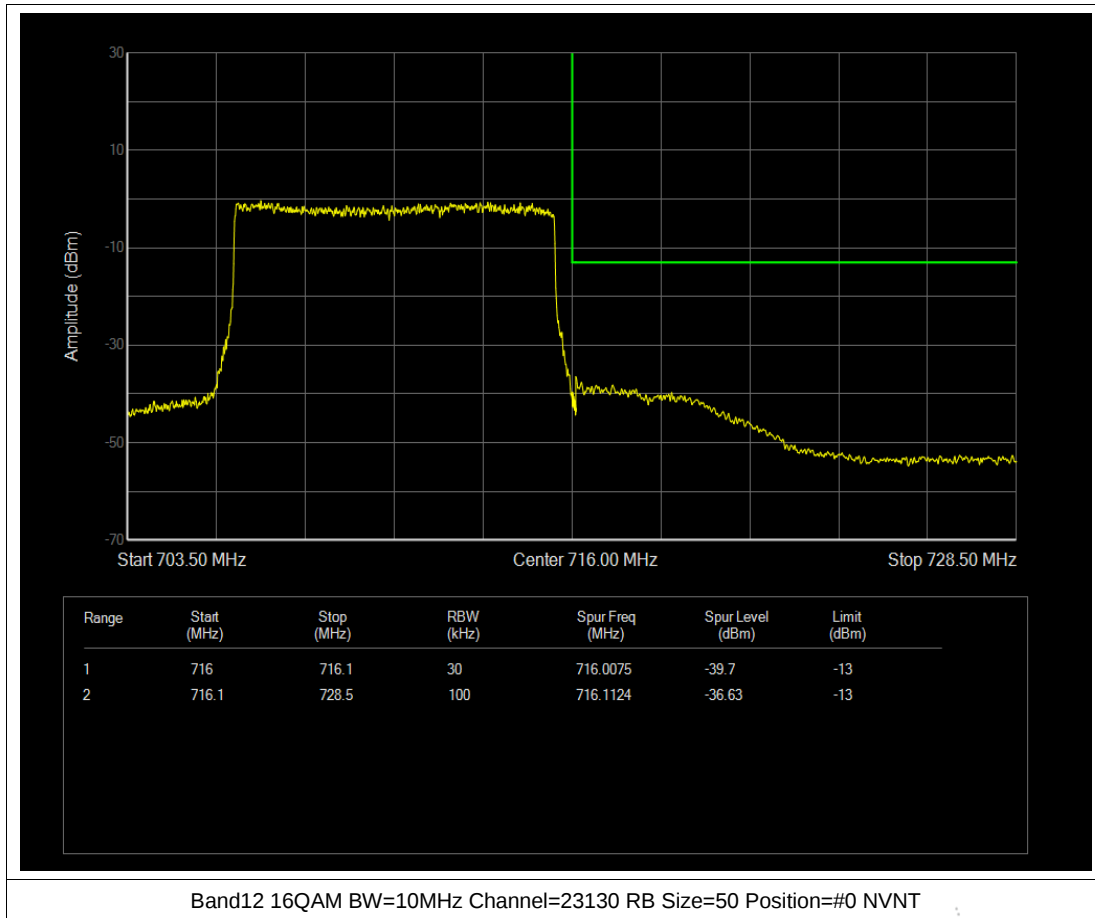


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT



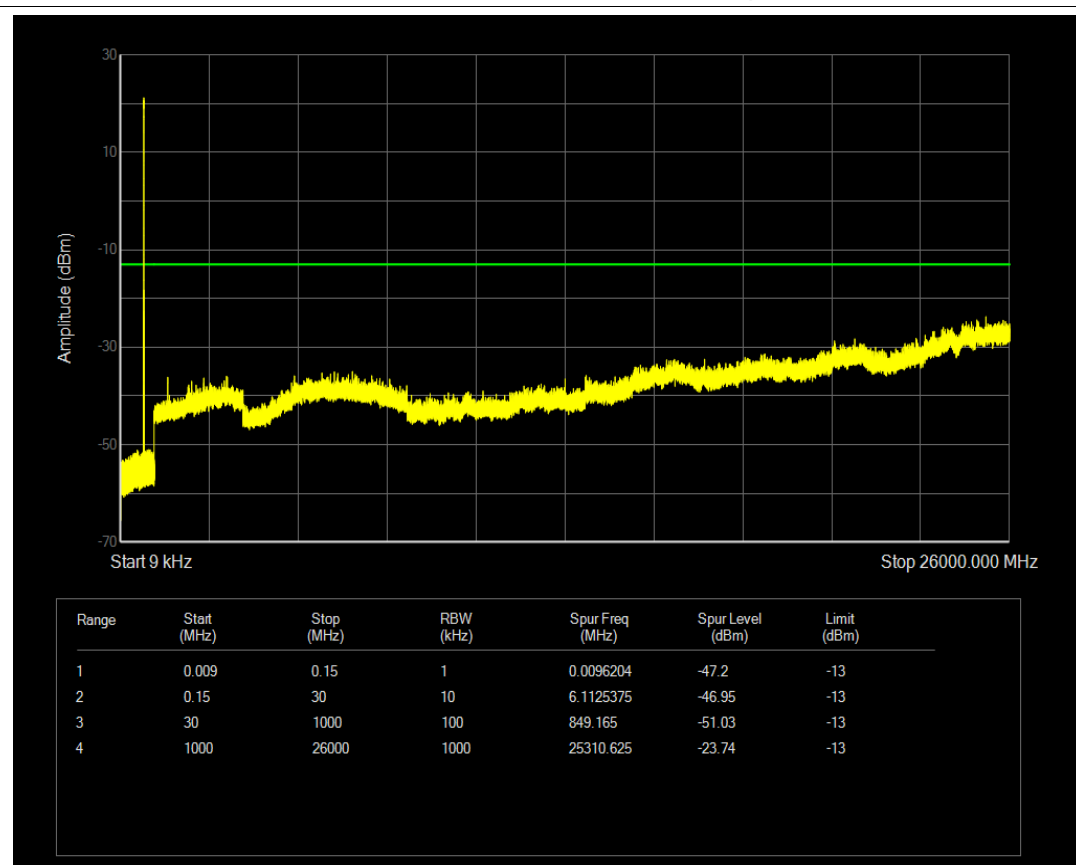
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0234	-38.38	-13
2	716.1	728.5	100	716.1124	-35.88	-13

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

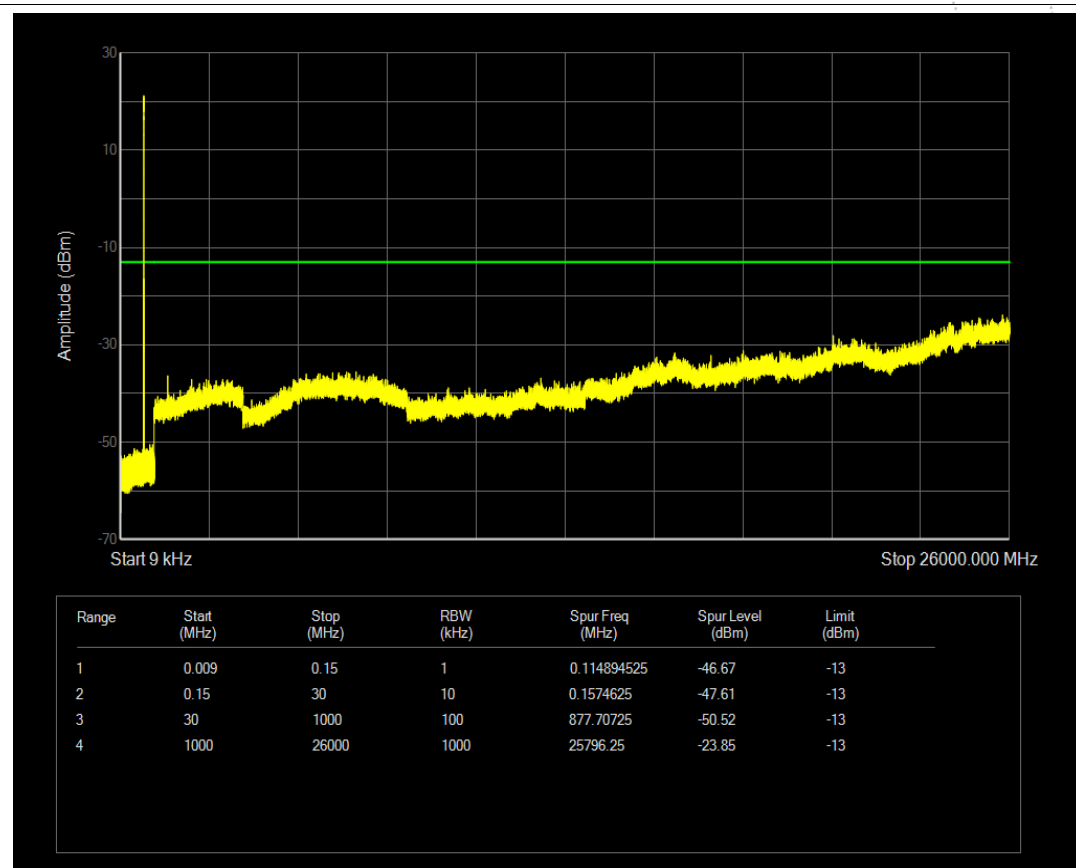


Appendix 6.Out-of-band emissions

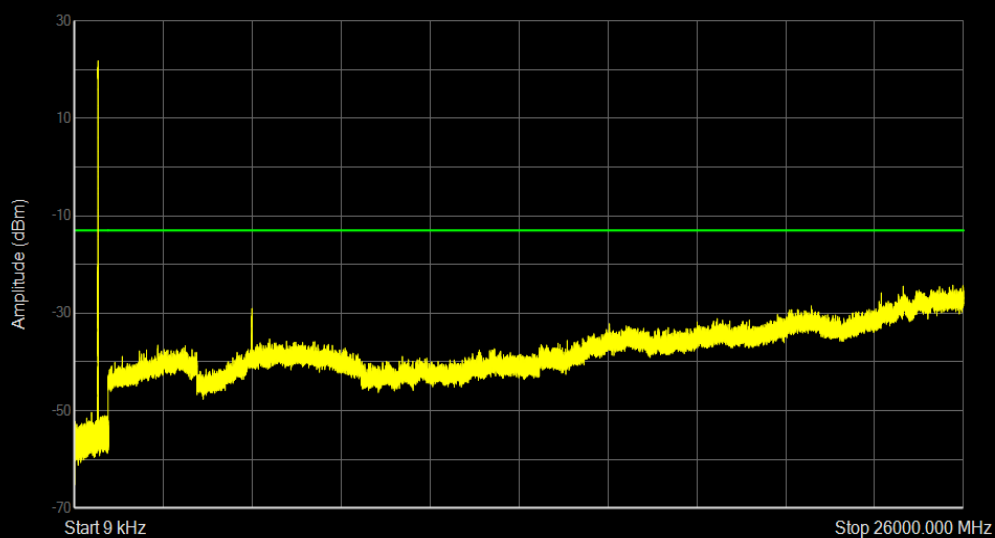
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band12	1.4	23017	6	#0	QPSK	25310.63	-23.74	-13	PASS
NVNT	Band12	1.4	23017	6	#0	16QAM	25796.25	-23.85	-13	PASS
NVNT	Band12	1.4	23095	6	#0	QPSK	25686.88	-24.26	-13	PASS
NVNT	Band12	1.4	23095	6	#0	16QAM	25608.13	-23.36	-13	PASS
NVNT	Band12	1.4	23173	6	#0	QPSK	25823.13	-24.13	-13	PASS
NVNT	Band12	1.4	23173	6	#0	16QAM	25428.13	-23.87	-13	PASS
NVNT	Band12	3	23025	15	#0	QPSK	25031.25	-24.48	-13	PASS
NVNT	Band12	3	23025	15	#0	16QAM	25995.63	-24.71	-13	PASS
NVNT	Band12	3	23095	15	#0	QPSK	25629.38	-24.17	-13	PASS
NVNT	Band12	3	23095	15	#0	16QAM	25513.13	-23.97	-13	PASS
NVNT	Band12	3	23165	15	#0	QPSK	24686.88	-24.72	-13	PASS
NVNT	Band12	3	23165	15	#0	16QAM	25867.50	-23.99	-13	PASS
NVNT	Band12	5	23035	25	#0	QPSK	25530.63	-24.03	-13	PASS
NVNT	Band12	5	23035	25	#0	16QAM	25814.38	-23.60	-13	PASS
NVNT	Band12	5	23095	25	#0	QPSK	25503.75	-23.98	-13	PASS
NVNT	Band12	5	23095	25	#0	16QAM	25258.13	-24.20	-13	PASS
NVNT	Band12	5	23155	25	#0	QPSK	25796.25	-23.80	-13	PASS
NVNT	Band12	5	23155	25	#0	16QAM	25133.75	-24.52	-13	PASS
NVNT	Band12	10	23060	50	#0	QPSK	25056.25	-24.19	-13	PASS
NVNT	Band12	10	23060	50	#0	16QAM	25971.25	-24.22	-13	PASS
NVNT	Band12	10	23095	50	#0	QPSK	24678.75	-24.37	-13	PASS
NVNT	Band12	10	23095	50	#0	16QAM	25848.75	-23.19	-13	PASS
NVNT	Band12	10	23130	50	#0	QPSK	25990.00	-24.39	-13	PASS
NVNT	Band12	10	23130	50	#0	16QAM	25671.88	-23.92	-13	PASS



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

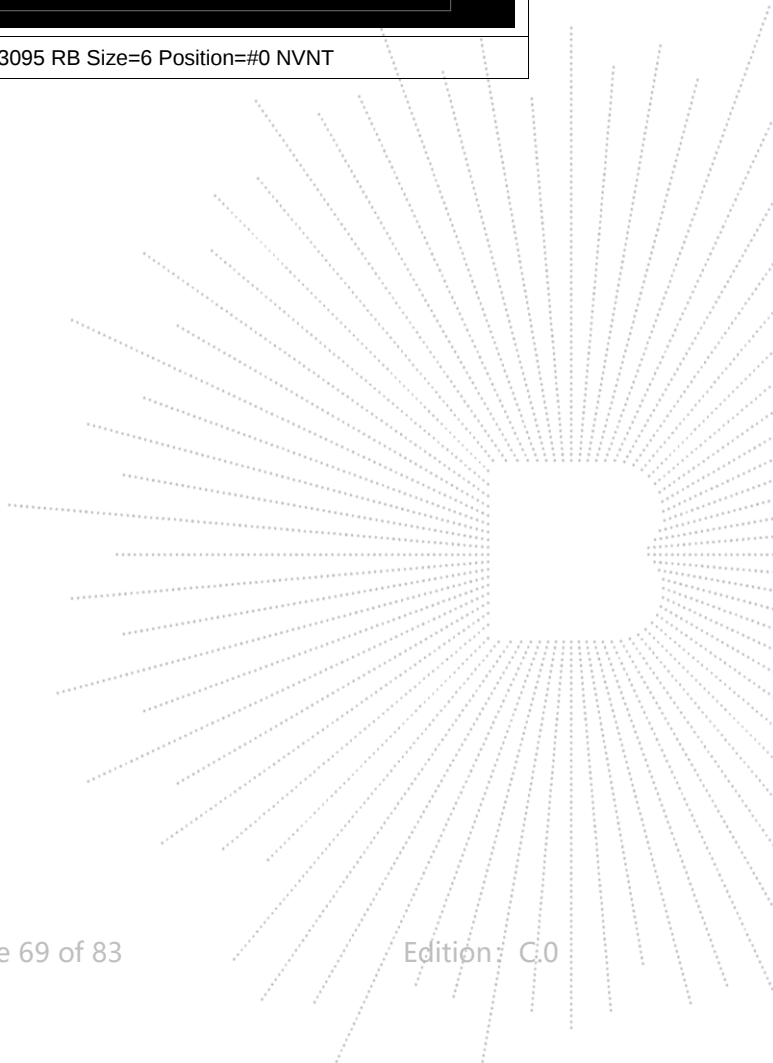


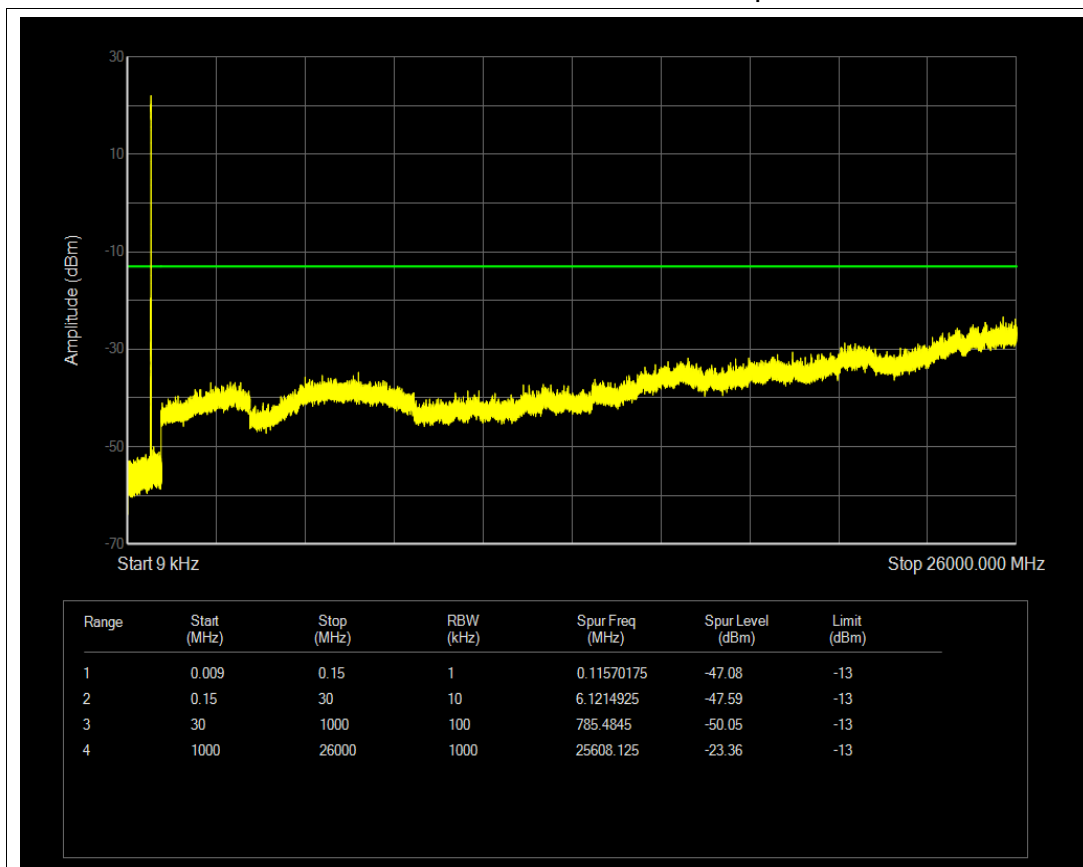
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT



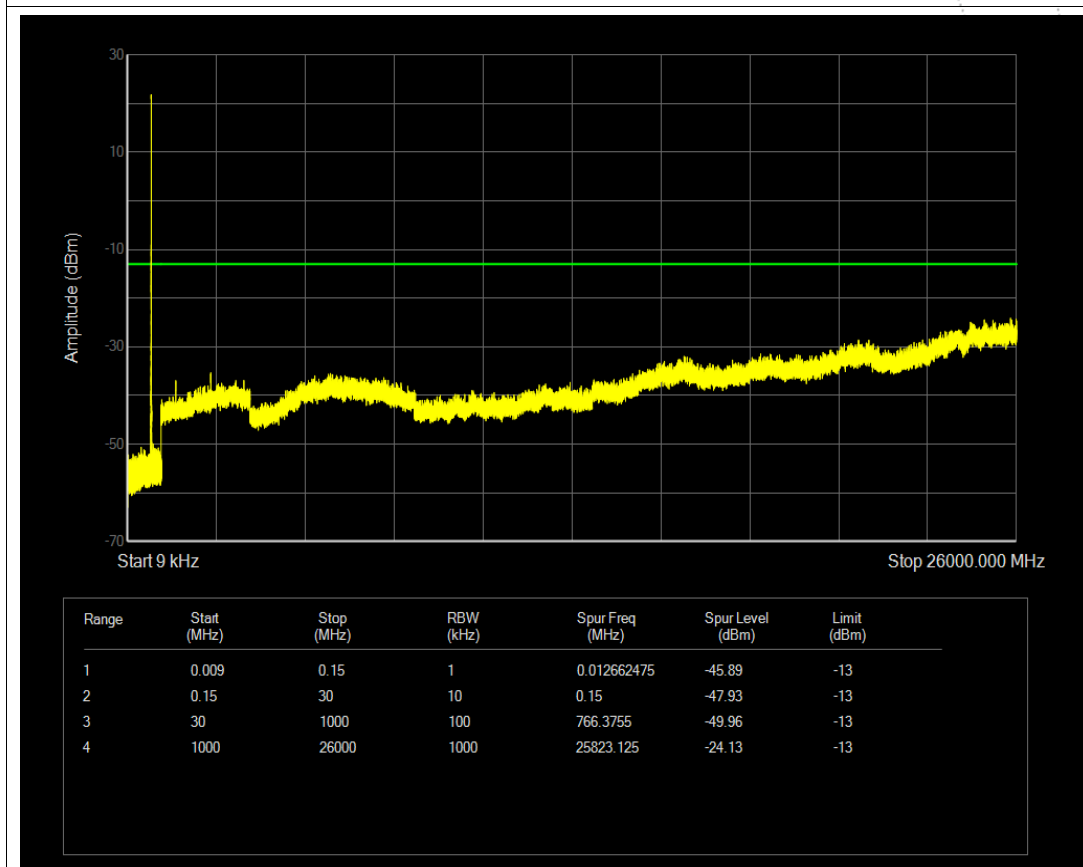
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010833	-46.58	-13
2	0.15	30	10	6.11477625	-47.95	-13
3	30	1000	100	517.3765	-50.37	-13
4	1000	26000	1000	25686.875	-24.26	-13

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

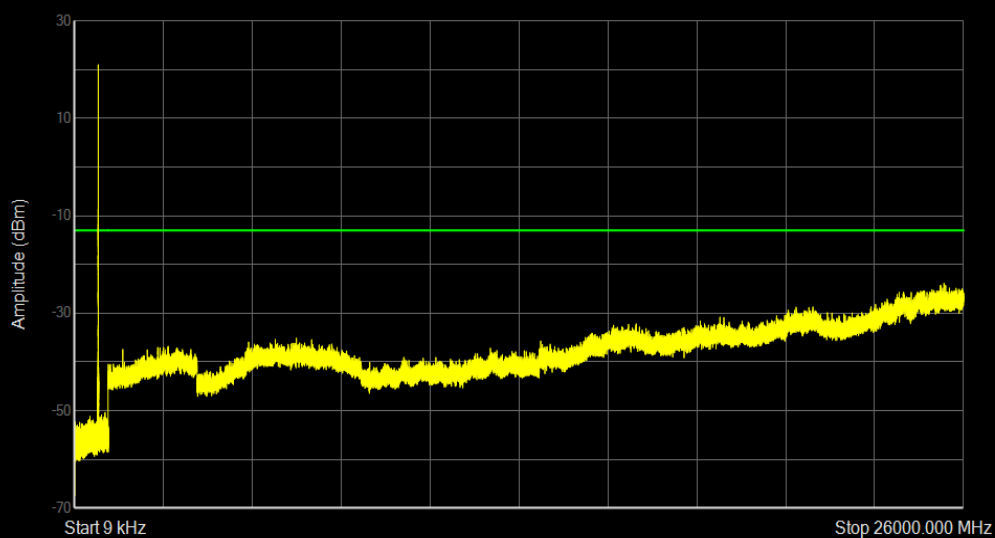




Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT

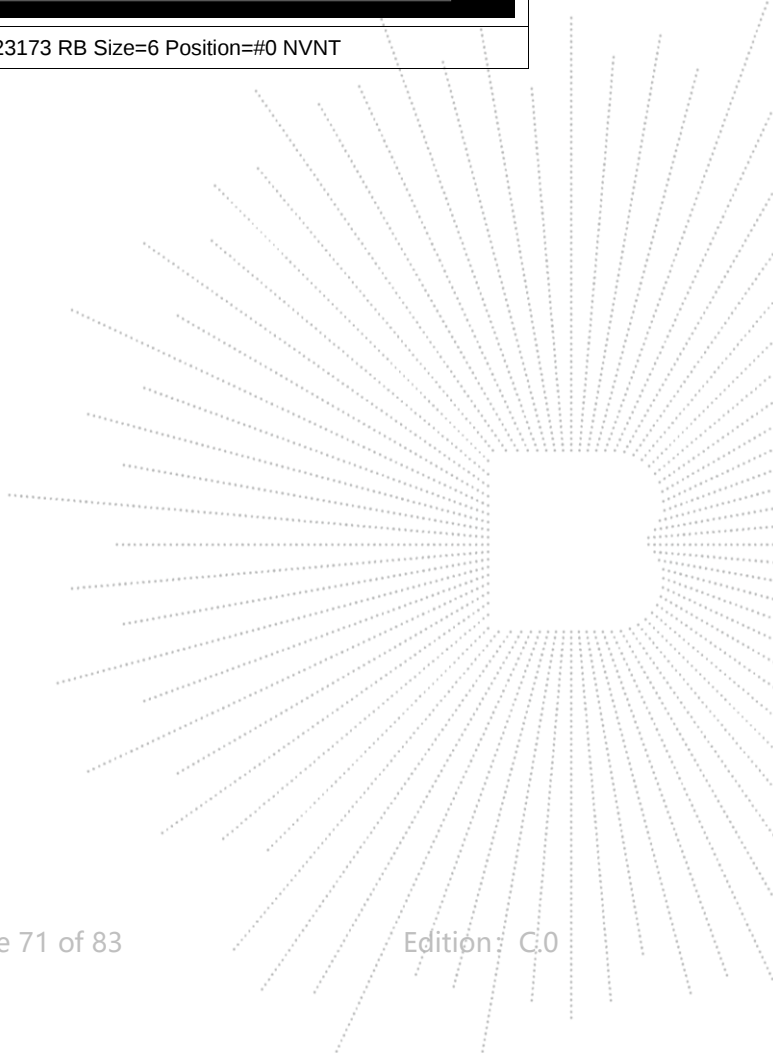


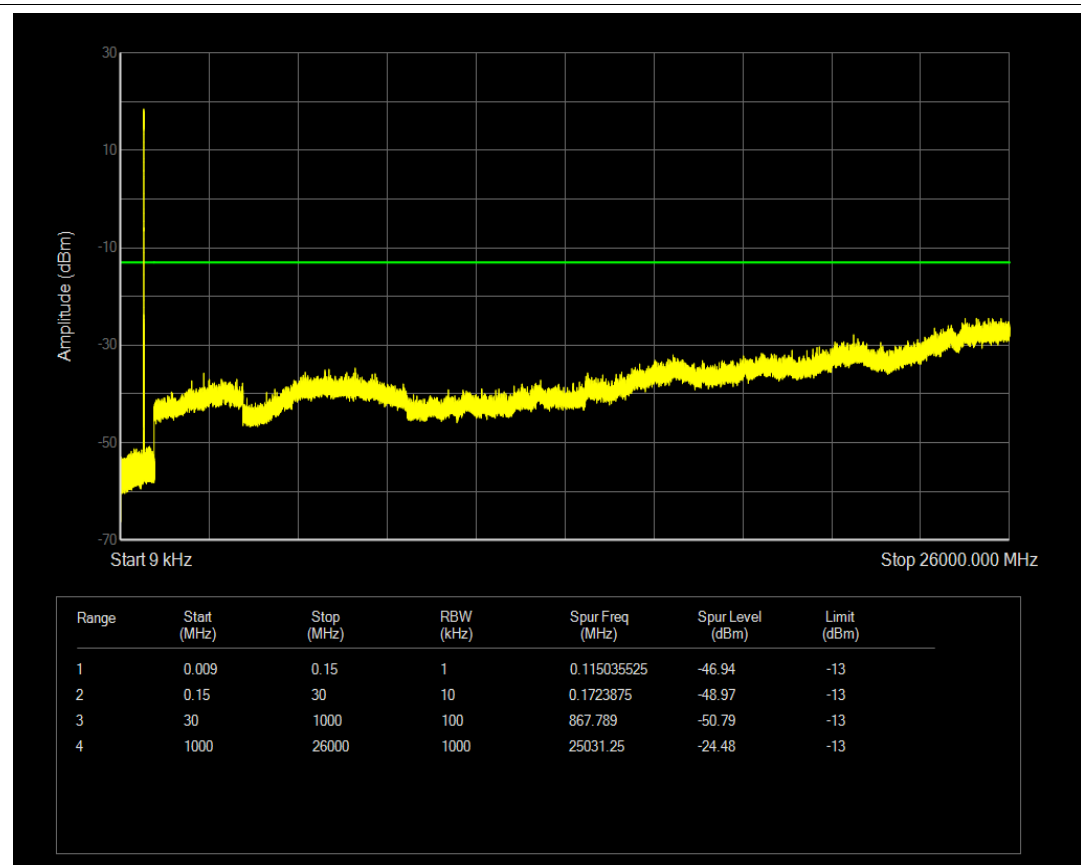
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



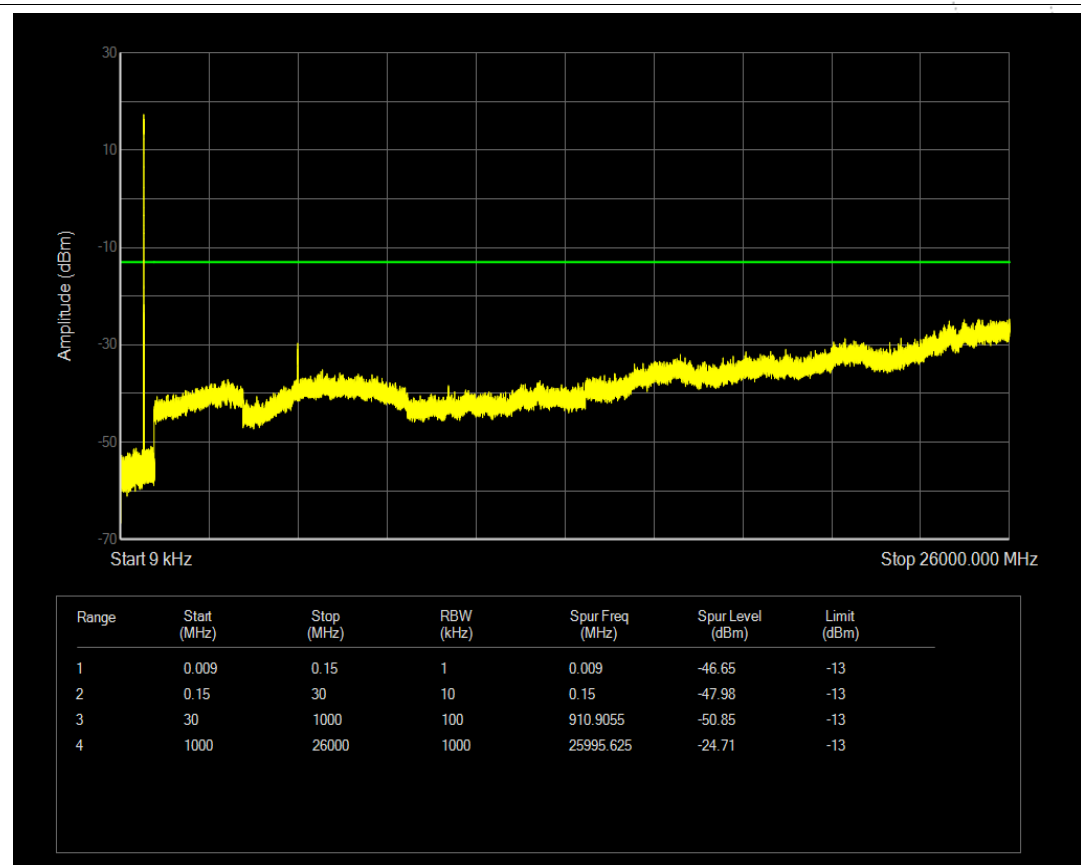
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-44.72	-13
2	0.15	30	10	6.1364175	-48.86	-13
3	30	1000	100	912.77275	-50.37	-13
4	1000	26000	1000	25428.125	-23.87	-13

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

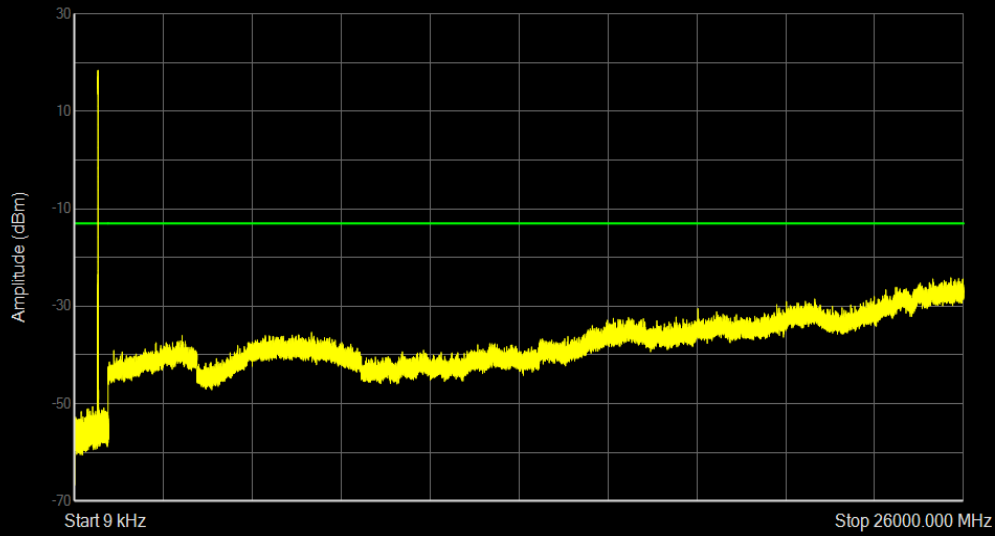




Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

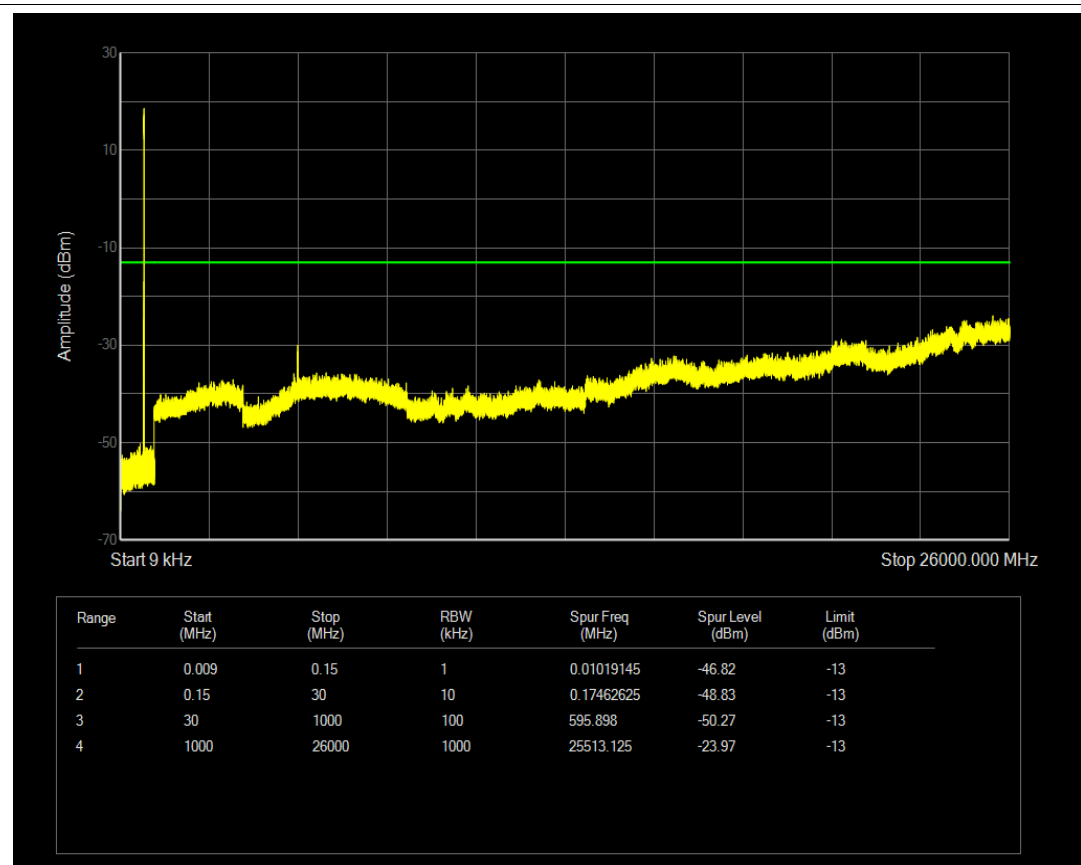


Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

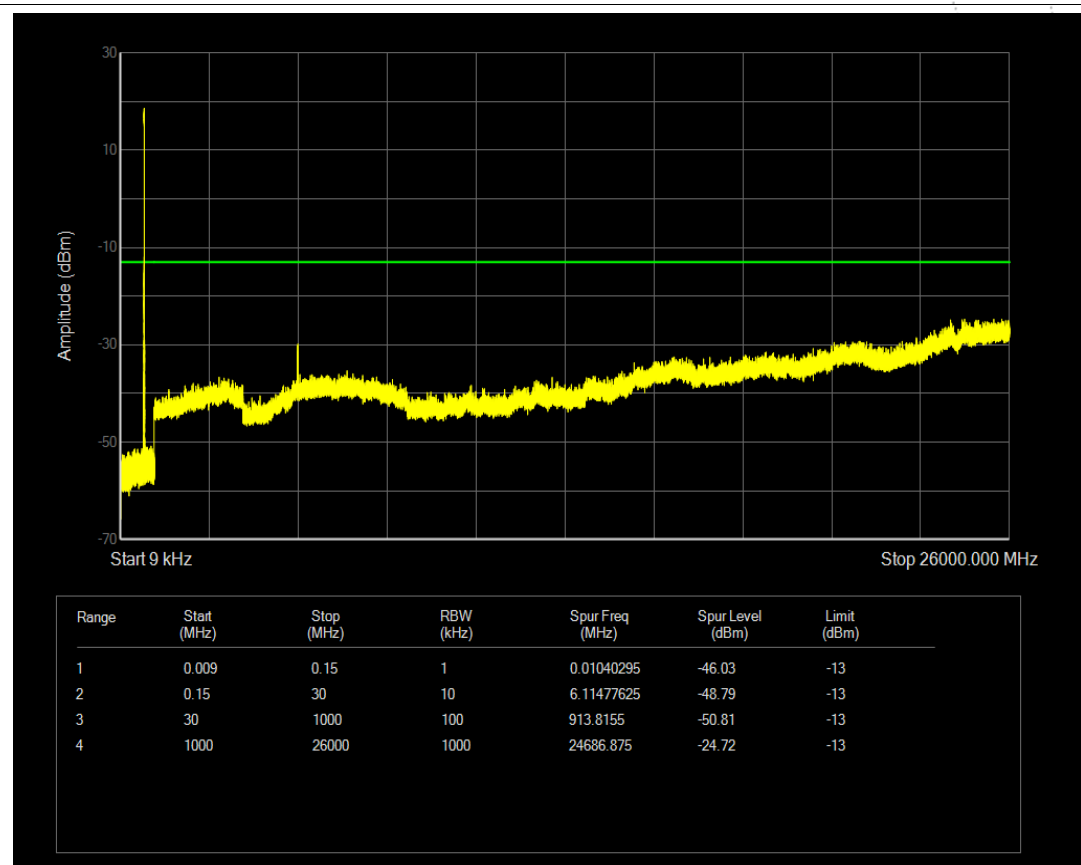


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009884775	-45.48	-13
2	0.15	30	10	0.1514925	-48.67	-13
3	30	1000	100	549.532	-50.63	-13
4	1000	26000	1000	25629.375	-24.17	-13

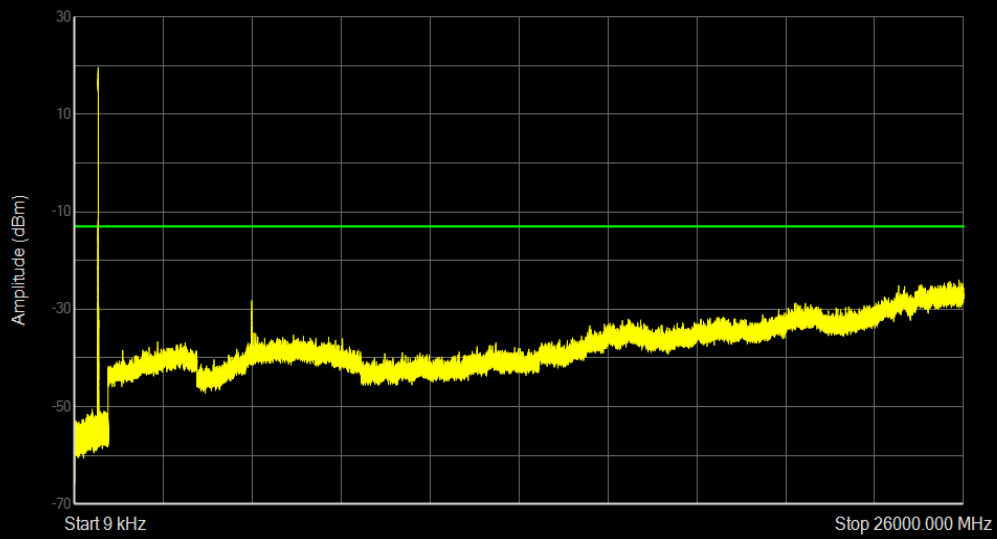
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT



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

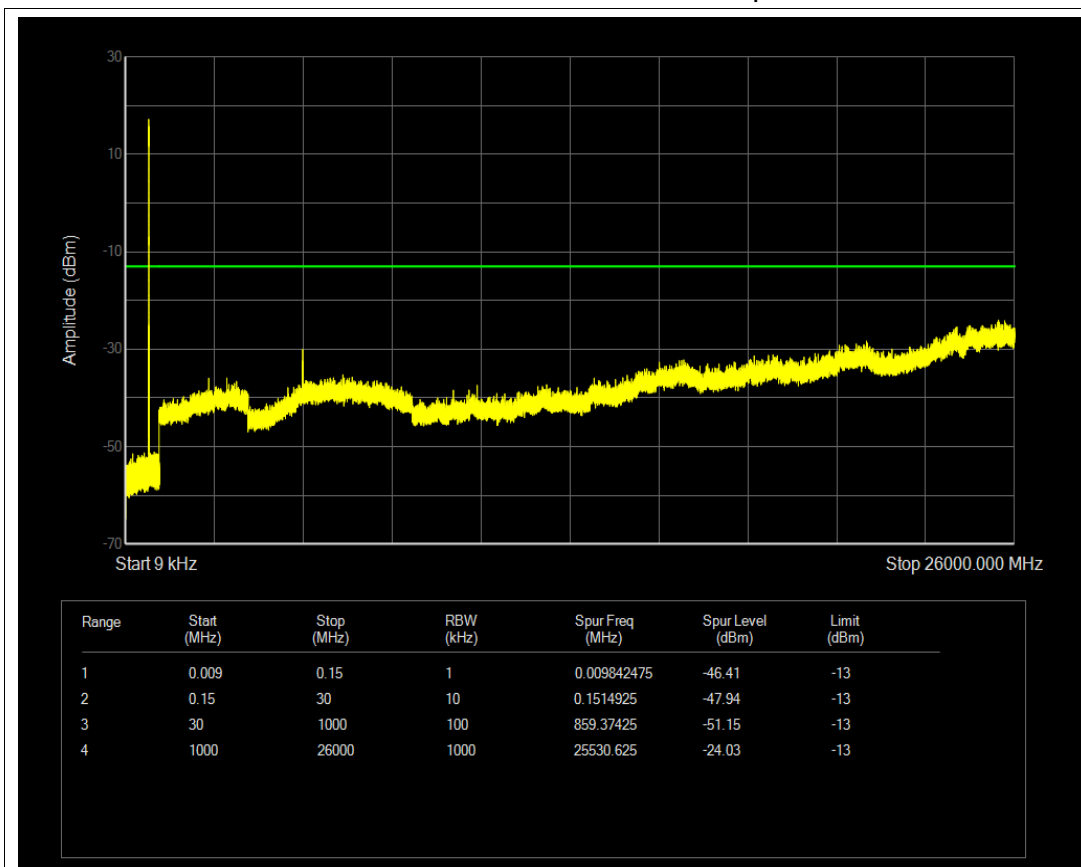


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT

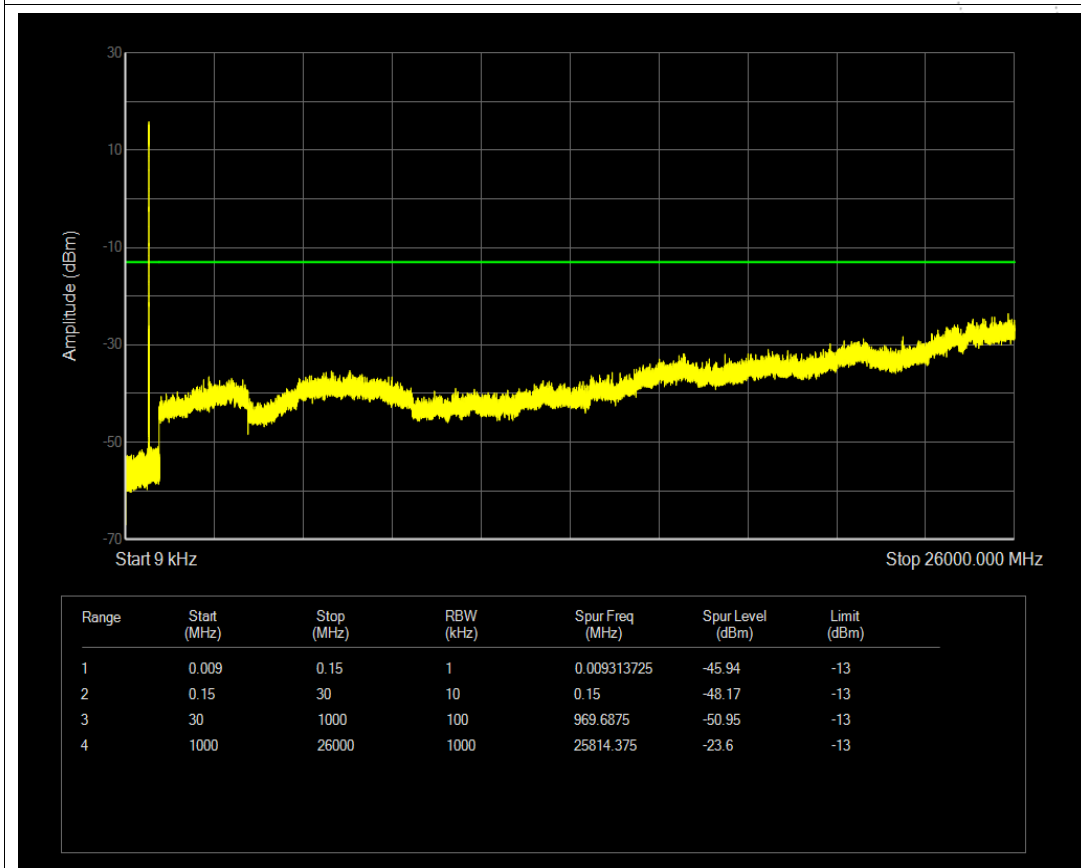


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009419475	-44.64	-13
2	0.15	30	10	0.17910375	-48.55	-13
3	30	1000	100	531.5385	-50.55	-13
4	1000	26000	1000	25867.5	-23.99	-13

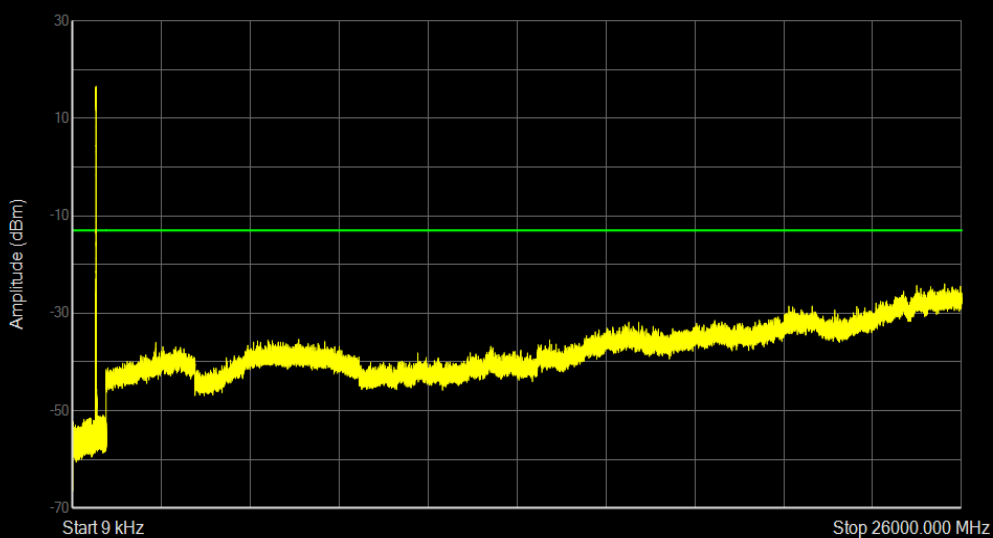
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



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

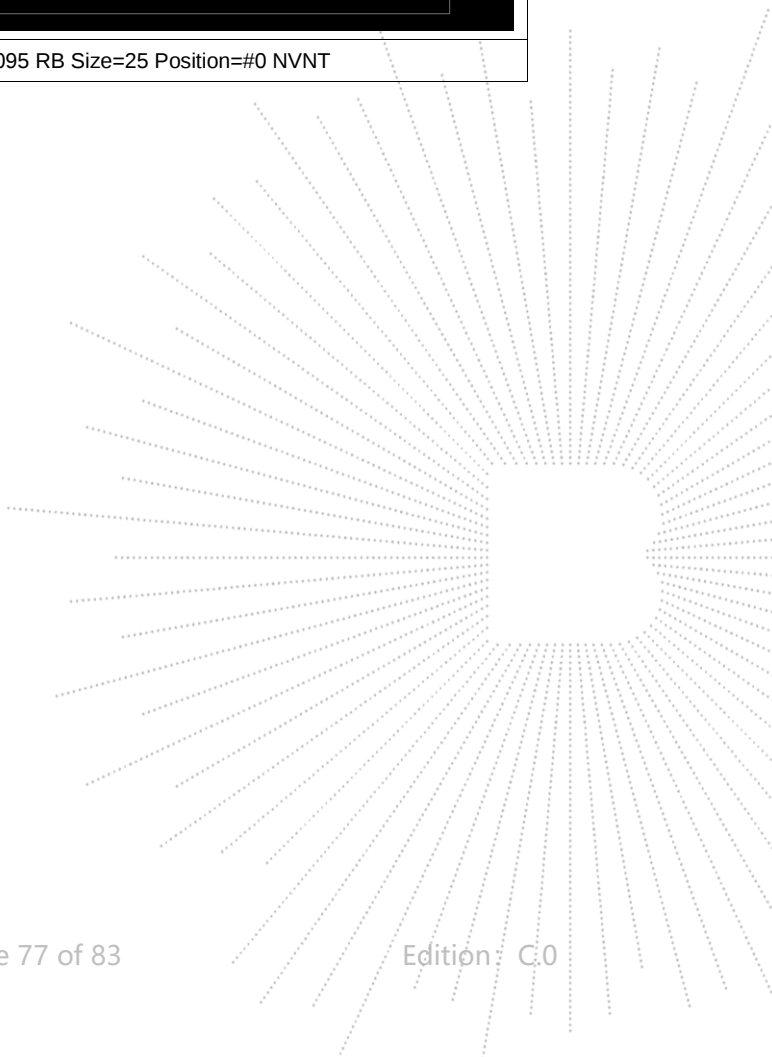


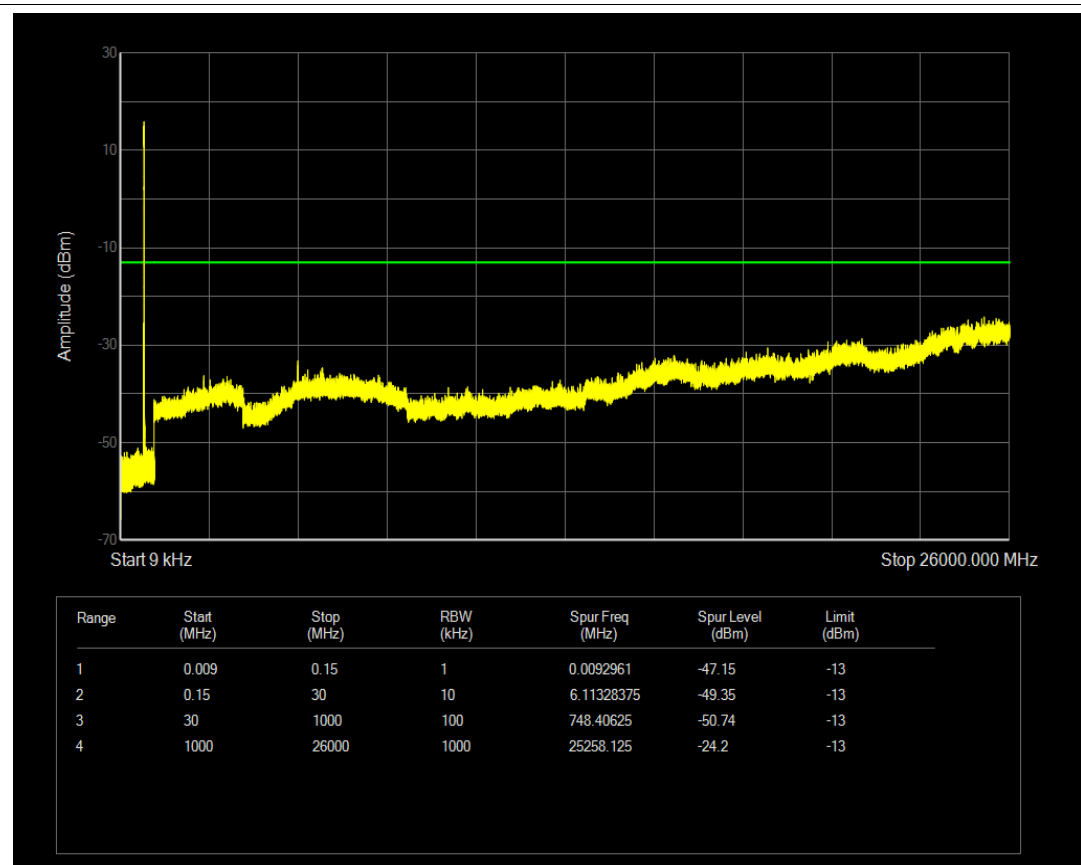
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



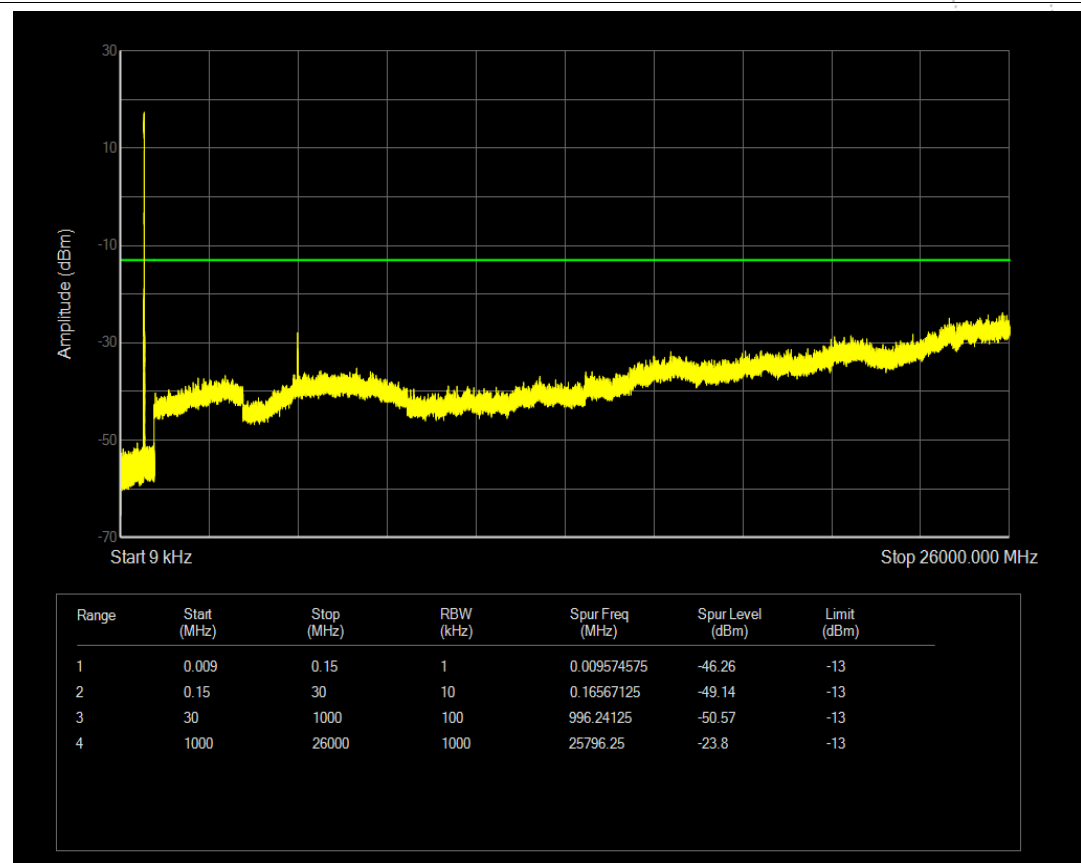
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009793125	-44.63	-13
2	0.15	30	10	6.075225	-48.41	-13
3	30	1000	100	915.804	-50.95	-13
4	1000	26000	1000	25503.75	-23.98	-13

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

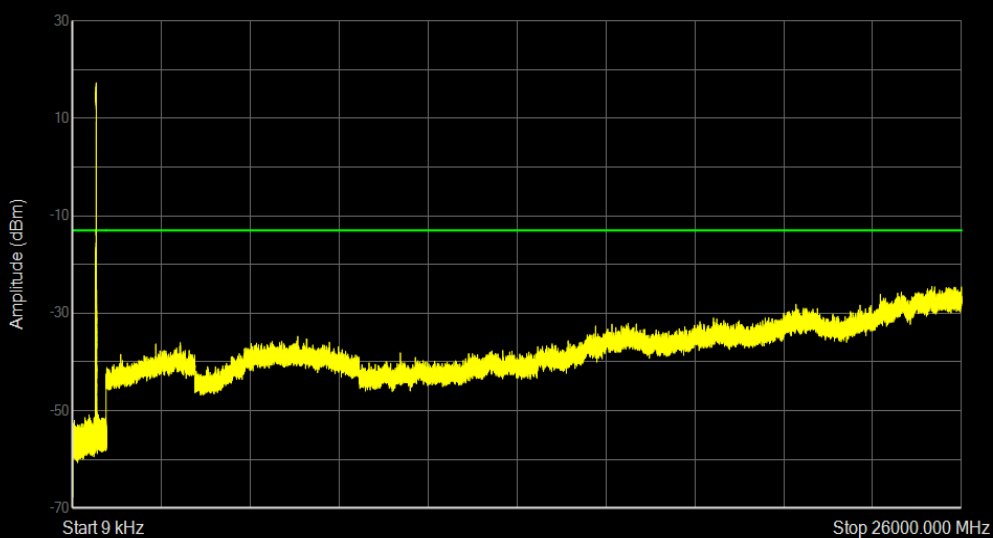




Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT

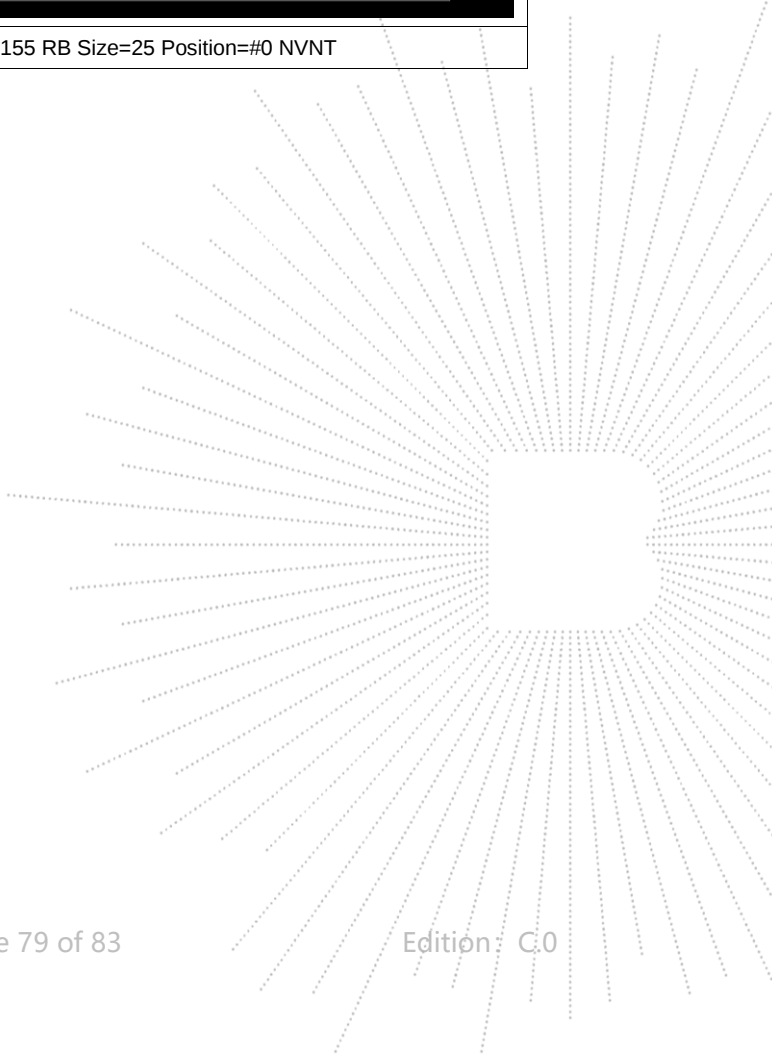


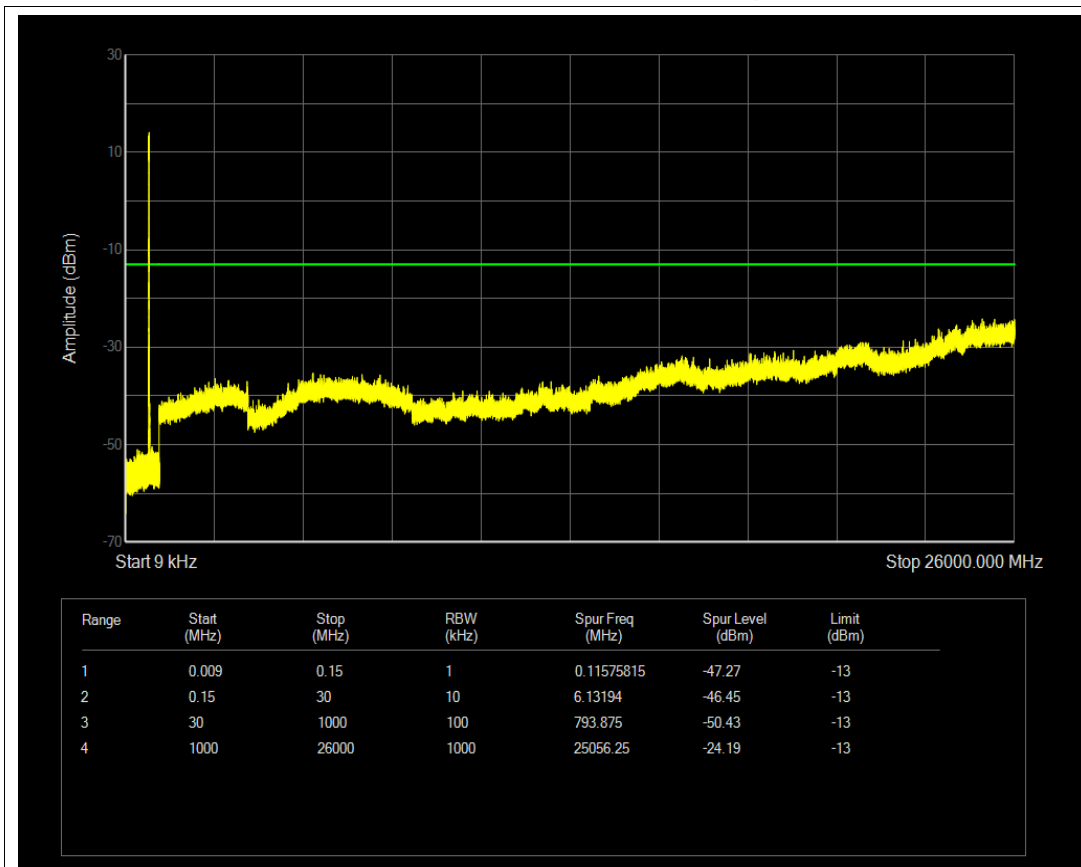
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



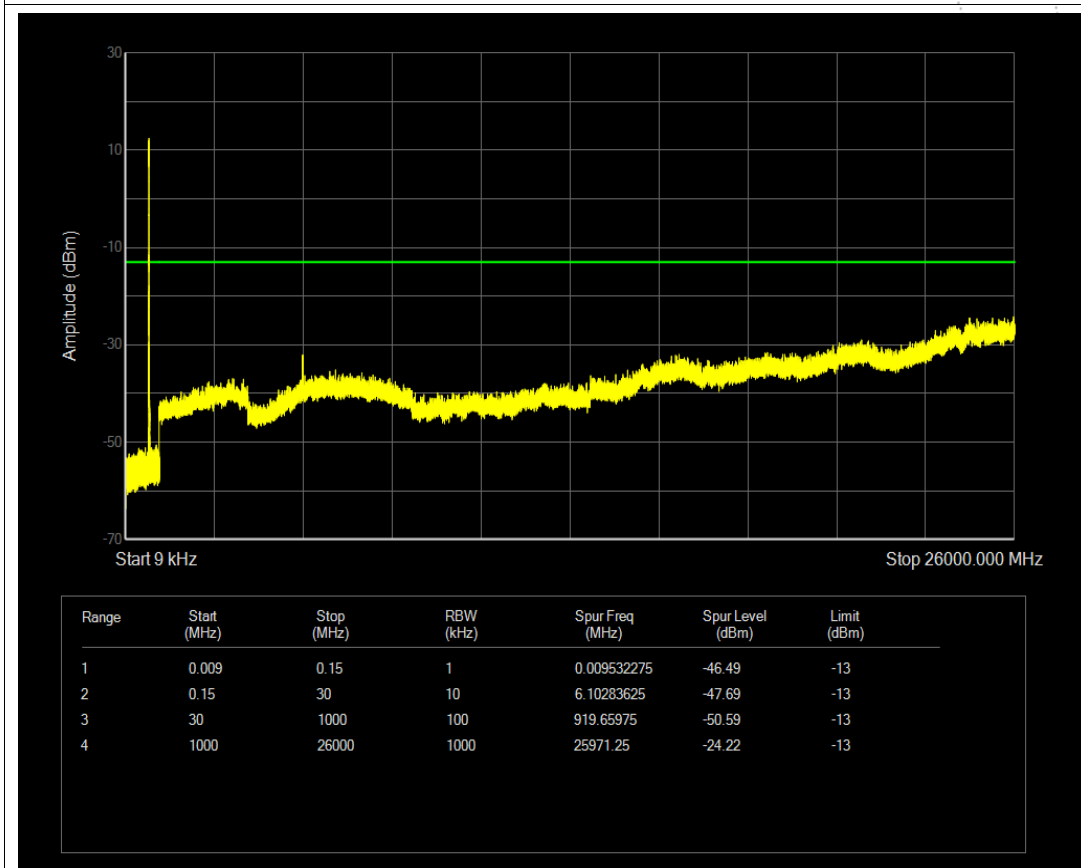
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.117792075	-46.67	-13
2	0.15	30	10	6.44909625	-49.03	-13
3	30	1000	100	744.38075	-50.54	-13
4	1000	26000	1000	25133.75	-24.52	-13

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

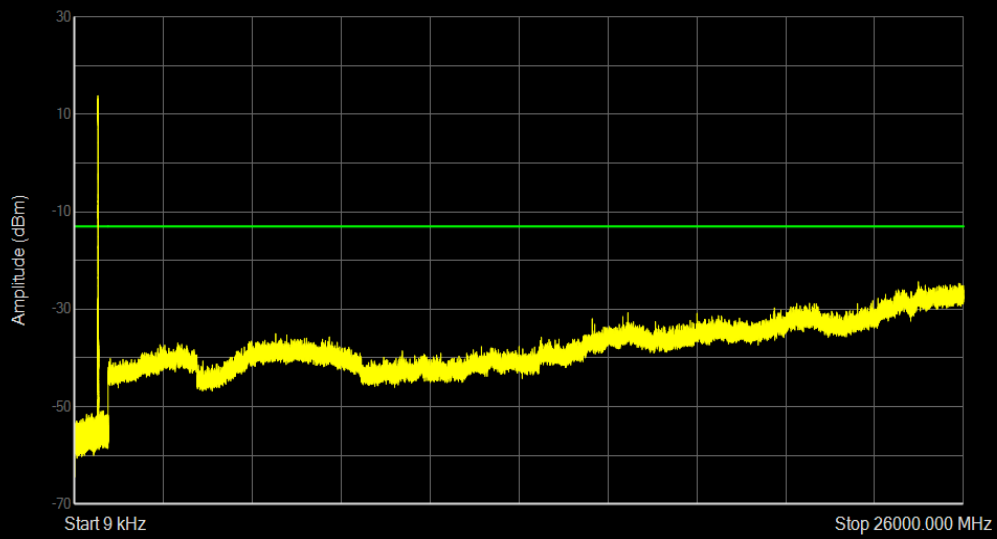




Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

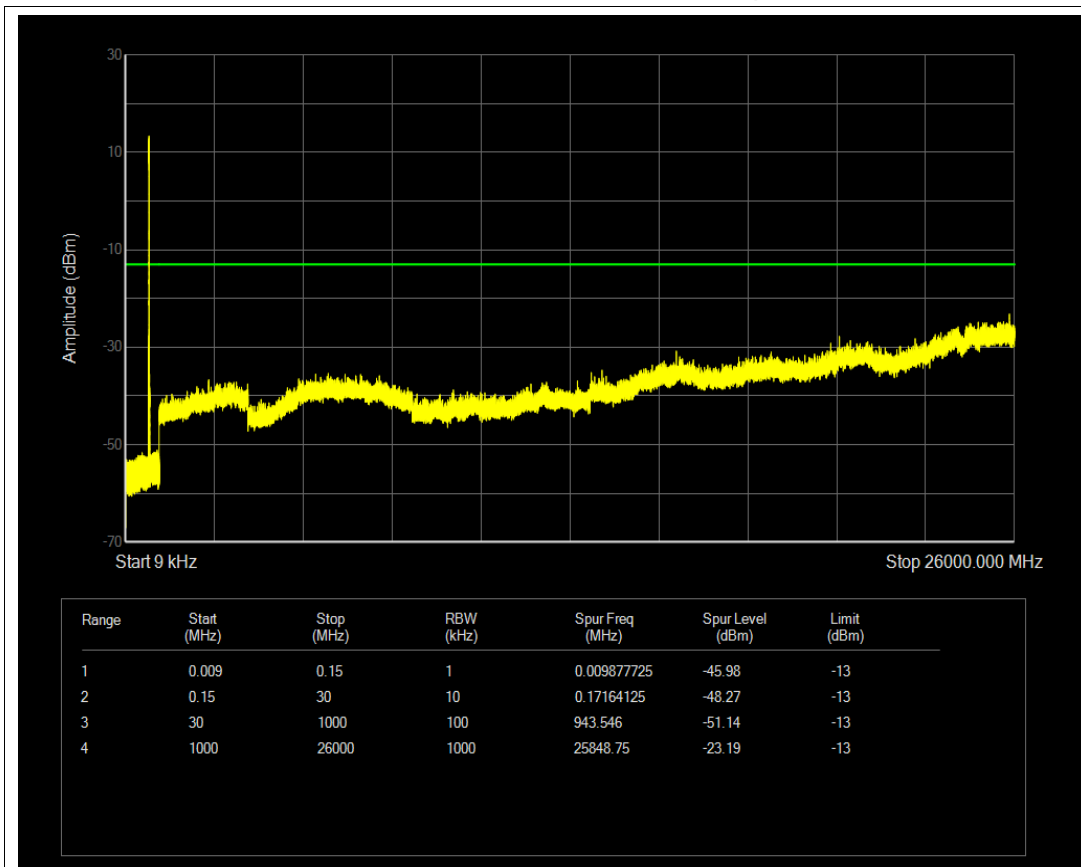


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

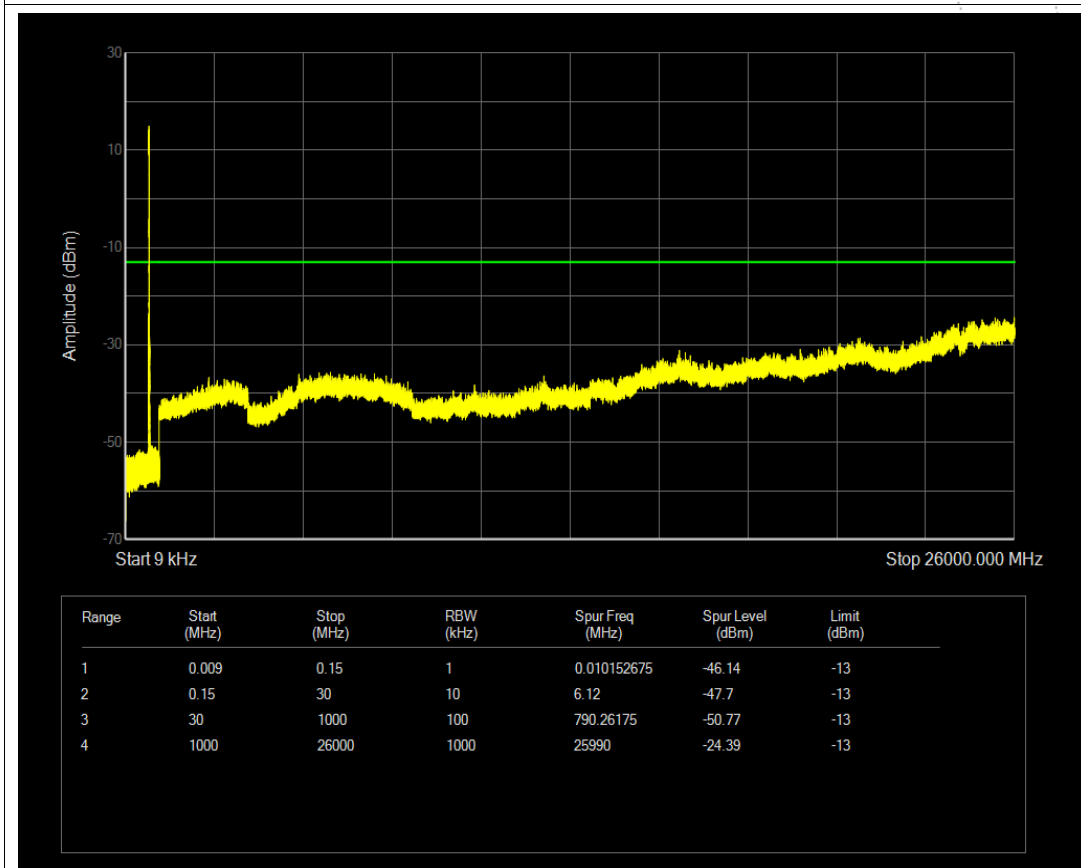


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00972615	-45.84	-13
2	0.15	30	10	6.12373125	-46.01	-13
3	30	1000	100	862.454	-50.86	-13
4	1000	26000	1000	24678.75	-24.37	-13

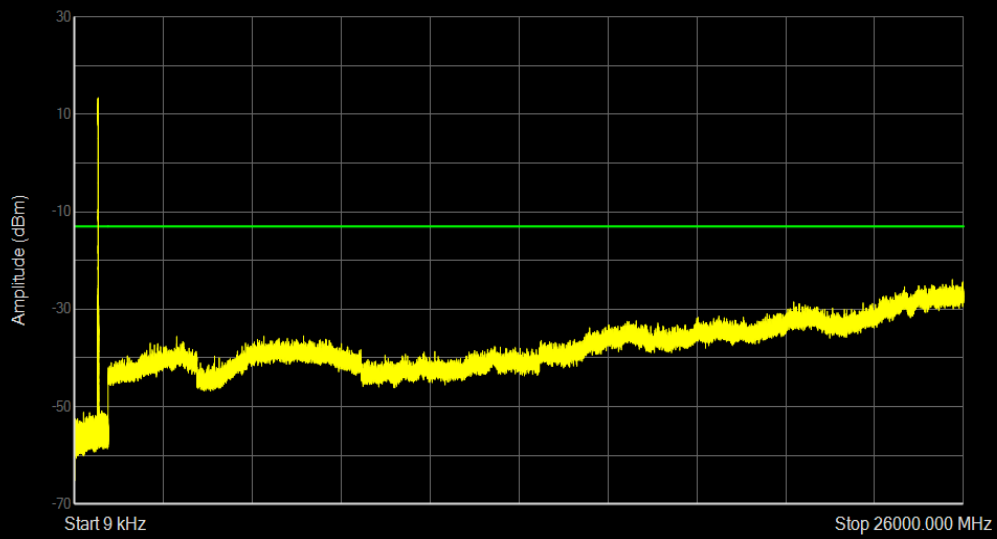
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT



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



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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009705	-45.94	-13
2	0.15	30	10	6.21775875	-47.71	-13
3	30	1000	100	816.74275	-50.92	-13
4	1000	26000	1000	25671.875	-23.92	-13

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