

Appendix for Band 12

Report No.: BCTC2506974006-5E

Applicant: Shenzhen Tianruixiang Communication
Equipment Co.,LTD

Product Name: Smart Phone

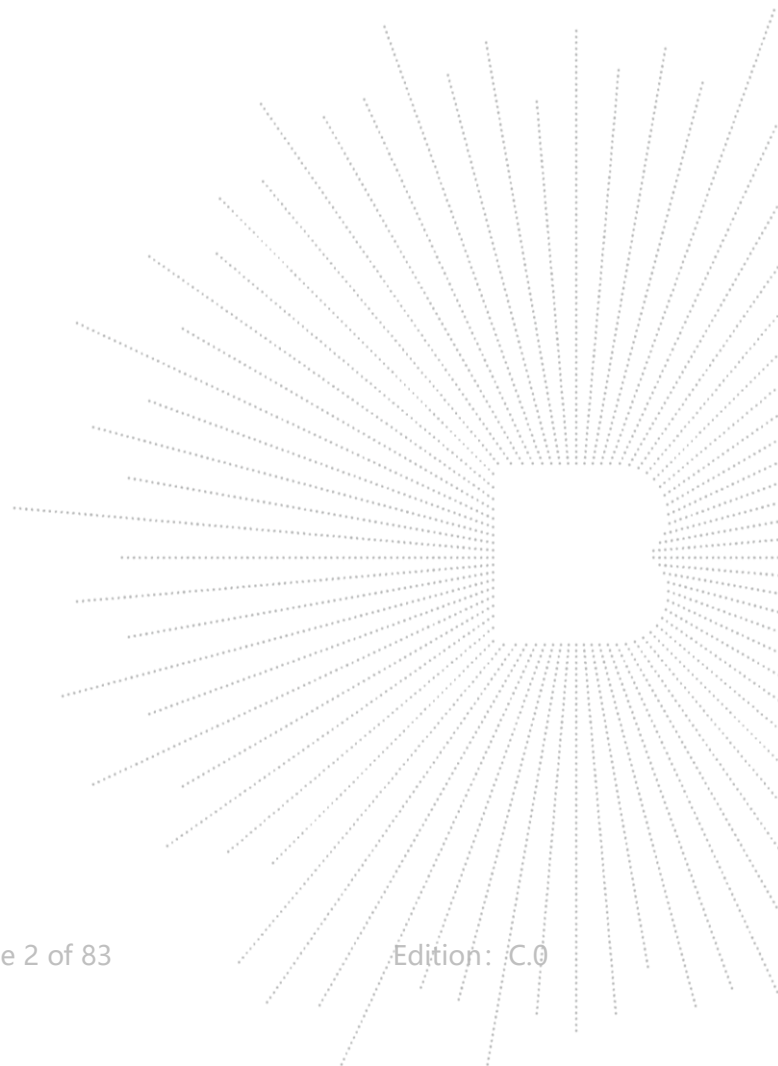
Test Model: Panther 2

Tested Date: 2025-06-05 to 2025-07-08

Shenzhen BCTC Testing Co., Ltd.

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

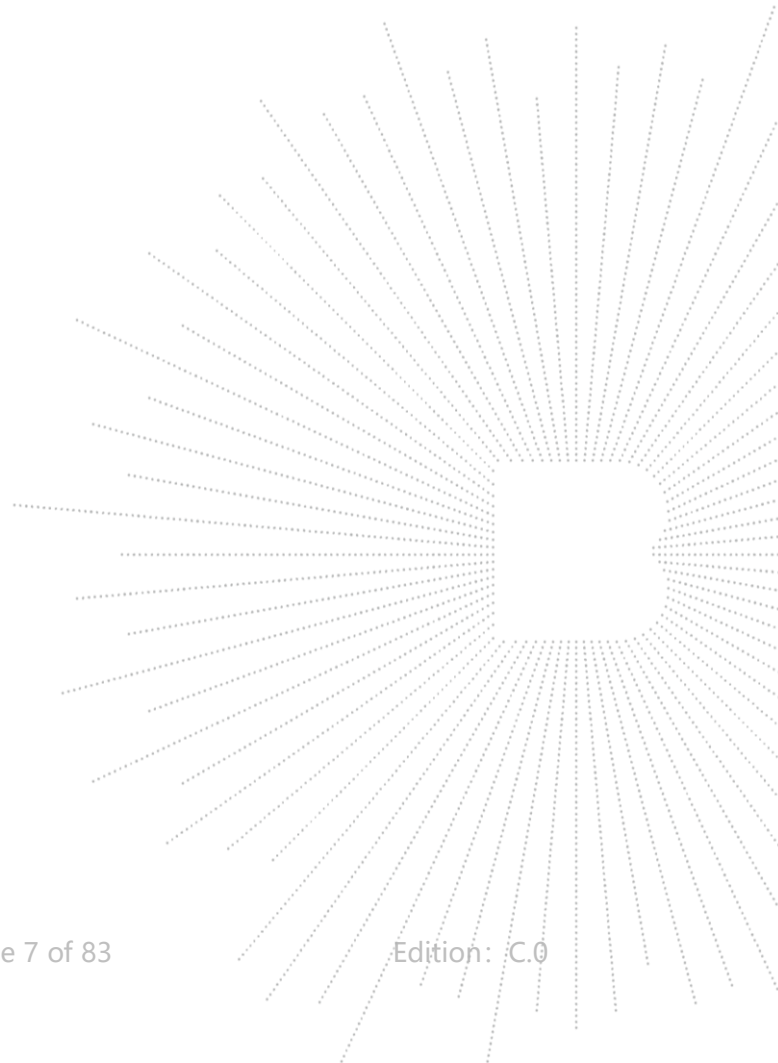
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
NVNT	Band12	1.4	23017	1	#0	QPSK	24.43	-2.5	19.78	PASS
NVNT	Band12	1.4	23017	1	#Mid	QPSK	24.39	-2.5	19.74	PASS
NVNT	Band12	1.4	23017	1	#Max	QPSK	24.45	-2.5	19.80	PASS
NVNT	Band12	1.4	23017	3	#0	QPSK	24.40	-2.5	19.75	PASS
NVNT	Band12	1.4	23017	3	#Mid	QPSK	24.47	-2.5	19.82	PASS
NVNT	Band12	1.4	23017	3	#Max	QPSK	24.43	-2.5	19.78	PASS
NVNT	Band12	1.4	23017	6	#0	QPSK	23.42	-2.5	18.77	PASS
NVNT	Band12	1.4	23017	1	#0	16QAM	24.56	-2.5	19.91	PASS
NVNT	Band12	1.4	23017	1	#Mid	16QAM	24.50	-2.5	19.85	PASS
NVNT	Band12	1.4	23017	1	#Max	16QAM	24.52	-2.5	19.87	PASS
NVNT	Band12	1.4	23017	3	#0	16QAM	23.63	-2.5	18.98	PASS
NVNT	Band12	1.4	23017	3	#Mid	16QAM	23.65	-2.5	19.00	PASS
NVNT	Band12	1.4	23017	3	#Max	16QAM	23.64	-2.5	18.99	PASS
NVNT	Band12	1.4	23017	6	#0	16QAM	22.43	-2.5	17.78	PASS
NVNT	Band12	1.4	23095	1	#0	QPSK	24.77	-2.5	20.12	PASS
NVNT	Band12	1.4	23095	1	#Mid	QPSK	24.51	-2.5	19.86	PASS
NVNT	Band12	1.4	23095	1	#Max	QPSK	24.83	-2.5	20.18	PASS
NVNT	Band12	1.4	23095	3	#0	QPSK	24.50	-2.5	19.85	PASS
NVNT	Band12	1.4	23095	3	#Mid	QPSK	24.57	-2.5	19.92	PASS
NVNT	Band12	1.4	23095	3	#Max	QPSK	24.54	-2.5	19.89	PASS
NVNT	Band12	1.4	23095	6	#0	QPSK	23.42	-2.5	18.77	PASS
NVNT	Band12	1.4	23095	1	#0	16QAM	23.48	-2.5	18.83	PASS
NVNT	Band12	1.4	23095	1	#Mid	16QAM	23.41	-2.5	18.76	PASS
NVNT	Band12	1.4	23095	1	#Max	16QAM	23.41	-2.5	18.76	PASS
NVNT	Band12	1.4	23095	3	#0	16QAM	23.51	-2.5	18.86	PASS
NVNT	Band12	1.4	23095	3	#Mid	16QAM	23.46	-2.5	18.81	PASS
NVNT	Band12	1.4	23095	3	#Max	16QAM	23.44	-2.5	18.79	PASS
NVNT	Band12	1.4	23095	6	#0	16QAM	22.60	-2.5	17.95	PASS
NVNT	Band12	1.4	23173	1	#0	QPSK	24.64	-2.5	19.99	PASS
NVNT	Band12	1.4	23173	1	#Mid	QPSK	24.73	-2.5	20.08	PASS
NVNT	Band12	1.4	23173	1	#Max	QPSK	24.69	-2.5	20.04	PASS
NVNT	Band12	1.4	23173	3	#0	QPSK	24.58	-2.5	19.93	PASS
NVNT	Band12	1.4	23173	3	#Mid	QPSK	24.65	-2.5	20.00	PASS
NVNT	Band12	1.4	23173	3	#Max	QPSK	24.61	-2.5	19.96	PASS
NVNT	Band12	1.4	23173	6	#0	QPSK	23.61	-2.5	18.96	PASS

NVNT	Band12	1.4	23173	1	#0	16QAM	23.59	-2.5	18.94	PASS
NVNT	Band12	1.4	23173	1	#Mid	16QAM	23.53	-2.5	18.88	PASS
NVNT	Band12	1.4	23173	1	#Max	16QAM	23.54	-2.5	18.89	PASS
NVNT	Band12	1.4	23173	3	#0	16QAM	23.43	-2.5	18.78	PASS
NVNT	Band12	1.4	23173	3	#Mid	16QAM	23.43	-2.5	18.78	PASS
NVNT	Band12	1.4	23173	3	#Max	16QAM	23.50	-2.5	18.85	PASS
NVNT	Band12	1.4	23173	6	#0	16QAM	22.48	-2.5	17.83	PASS
NVNT	Band12	3	23025	1	#0	QPSK	24.34	-2.5	19.69	PASS
NVNT	Band12	3	23025	1	#Mid	QPSK	24.33	-2.5	19.68	PASS
NVNT	Band12	3	23025	1	#Max	QPSK	24.35	-2.5	19.70	PASS
NVNT	Band12	3	23025	8	#0	QPSK	23.36	-2.5	18.71	PASS
NVNT	Band12	3	23025	8	#Mid	QPSK	23.34	-2.5	18.69	PASS
NVNT	Band12	3	23025	8	#Max	QPSK	23.33	-2.5	18.68	PASS
NVNT	Band12	3	23025	15	#0	QPSK	23.30	-2.5	18.65	PASS
NVNT	Band12	3	23025	1	#0	16QAM	24.34	-2.5	19.69	PASS
NVNT	Band12	3	23025	1	#Mid	16QAM	24.36	-2.5	19.71	PASS
NVNT	Band12	3	23025	1	#Max	16QAM	24.40	-2.5	19.75	PASS
NVNT	Band12	3	23025	8	#0	16QAM	22.24	-2.5	17.59	PASS
NVNT	Band12	3	23025	8	#Mid	16QAM	22.15	-2.5	17.50	PASS
NVNT	Band12	3	23025	8	#Max	16QAM	22.17	-2.5	17.52	PASS
NVNT	Band12	3	23025	15	#0	16QAM	22.34	-2.5	17.69	PASS
NVNT	Band12	3	23095	1	#0	QPSK	24.55	-2.5	19.90	PASS
NVNT	Band12	3	23095	1	#Mid	QPSK	24.53	-2.5	19.88	PASS
NVNT	Band12	3	23095	1	#Max	QPSK	24.78	-2.5	20.13	PASS
NVNT	Band12	3	23095	8	#0	QPSK	23.36	-2.5	18.71	PASS
NVNT	Band12	3	23095	8	#Mid	QPSK	23.36	-2.5	18.71	PASS
NVNT	Band12	3	23095	8	#Max	QPSK	23.32	-2.5	18.67	PASS
NVNT	Band12	3	23095	15	#0	QPSK	23.34	-2.5	18.69	PASS
NVNT	Band12	3	23095	1	#0	16QAM	23.40	-2.5	18.75	PASS
NVNT	Band12	3	23095	1	#Mid	16QAM	23.41	-2.5	18.76	PASS
NVNT	Band12	3	23095	1	#Max	16QAM	23.38	-2.5	18.73	PASS
NVNT	Band12	3	23095	8	#0	16QAM	22.38	-2.5	17.73	PASS
NVNT	Band12	3	23095	8	#Mid	16QAM	22.37	-2.5	17.72	PASS
NVNT	Band12	3	23095	8	#Max	16QAM	22.32	-2.5	17.67	PASS
NVNT	Band12	3	23095	15	#0	16QAM	22.31	-2.5	17.66	PASS
NVNT	Band12	3	23165	1	#0	QPSK	24.65	-2.5	20.00	PASS
NVNT	Band12	3	23165	1	#Mid	QPSK	24.34	-2.5	19.69	PASS
NVNT	Band12	3	23165	1	#Max	QPSK	24.75	-2.5	20.10	PASS
NVNT	Band12	3	23165	8	#0	QPSK	23.51	-2.5	18.86	PASS
NVNT	Band12	3	23165	8	#Mid	QPSK	23.44	-2.5	18.79	PASS
NVNT	Band12	3	23165	8	#Max	QPSK	23.58	-2.5	18.93	PASS
NVNT	Band12	3	23165	15	#0	QPSK	23.47	-2.5	18.82	PASS

NVNT	Band12	3	23165	1	#0	16QAM	23.64	-2.5	18.99	PASS
NVNT	Band12	3	23165	1	#Mid	16QAM	23.58	-2.5	18.93	PASS
NVNT	Band12	3	23165	1	#Max	16QAM	23.65	-2.5	19.00	PASS
NVNT	Band12	3	23165	8	#0	16QAM	22.58	-2.5	17.93	PASS
NVNT	Band12	3	23165	8	#Mid	16QAM	22.66	-2.5	18.01	PASS
NVNT	Band12	3	23165	8	#Max	16QAM	22.61	-2.5	17.96	PASS
NVNT	Band12	3	23165	15	#0	16QAM	22.51	-2.5	17.86	PASS
NVNT	Band12	5	23035	1	#0	QPSK	24.43	-2.5	19.78	PASS
NVNT	Band12	5	23035	1	#Mid	QPSK	24.36	-2.5	19.71	PASS
NVNT	Band12	5	23035	1	#Max	QPSK	24.26	-2.5	19.61	PASS
NVNT	Band12	5	23035	12	#0	QPSK	23.38	-2.5	18.73	PASS
NVNT	Band12	5	23035	12	#Mid	QPSK	23.37	-2.5	18.72	PASS
NVNT	Band12	5	23035	12	#Max	QPSK	23.37	-2.5	18.72	PASS
NVNT	Band12	5	23035	25	#0	QPSK	23.38	-2.5	18.73	PASS
NVNT	Band12	5	23035	1	#0	16QAM	23.52	-2.5	18.87	PASS
NVNT	Band12	5	23035	1	#Mid	16QAM	23.49	-2.5	18.84	PASS
NVNT	Band12	5	23035	1	#Max	16QAM	23.50	-2.5	18.85	PASS
NVNT	Band12	5	23035	12	#0	16QAM	22.25	-2.5	17.60	PASS
NVNT	Band12	5	23035	12	#Mid	16QAM	22.31	-2.5	17.66	PASS
NVNT	Band12	5	23035	12	#Max	16QAM	22.29	-2.5	17.64	PASS
NVNT	Band12	5	23035	25	#0	16QAM	22.53	-2.5	17.88	PASS
NVNT	Band12	5	23095	1	#0	QPSK	24.40	-2.5	19.75	PASS
NVNT	Band12	5	23095	1	#Mid	QPSK	24.52	-2.5	19.87	PASS
NVNT	Band12	5	23095	1	#Max	QPSK	24.46	-2.5	19.81	PASS
NVNT	Band12	5	23095	12	#0	QPSK	23.50	-2.5	18.85	PASS
NVNT	Band12	5	23095	12	#Mid	QPSK	23.39	-2.5	18.74	PASS
NVNT	Band12	5	23095	12	#Max	QPSK	23.34	-2.5	18.69	PASS
NVNT	Band12	5	23095	25	#0	QPSK	23.43	-2.5	18.78	PASS
NVNT	Band12	5	23095	1	#0	16QAM	23.53	-2.5	18.88	PASS
NVNT	Band12	5	23095	1	#Mid	16QAM	23.42	-2.5	18.77	PASS
NVNT	Band12	5	23095	1	#Max	16QAM	23.48	-2.5	18.83	PASS
NVNT	Band12	5	23095	12	#0	16QAM	22.26	-2.5	17.61	PASS
NVNT	Band12	5	23095	12	#Mid	16QAM	22.30	-2.5	17.65	PASS
NVNT	Band12	5	23095	12	#Max	16QAM	22.09	-2.5	17.44	PASS
NVNT	Band12	5	23095	25	#0	16QAM	22.43	-2.5	17.78	PASS
NVNT	Band12	5	23155	1	#0	QPSK	24.34	-2.5	19.69	PASS
NVNT	Band12	5	23155	1	#Mid	QPSK	24.40	-2.5	19.75	PASS
NVNT	Band12	5	23155	1	#Max	QPSK	24.42	-2.5	19.77	PASS
NVNT	Band12	5	23155	12	#0	QPSK	23.45	-2.5	18.80	PASS
NVNT	Band12	5	23155	12	#Mid	QPSK	23.52	-2.5	18.87	PASS
NVNT	Band12	5	23155	12	#Max	QPSK	23.54	-2.5	18.89	PASS
NVNT	Band12	5	23155	25	#0	QPSK	23.57	-2.5	18.92	PASS

NVNT	Band12	5	23155	1	#0	16QAM	24.10	-2.5	19.45	PASS
NVNT	Band12	5	23155	1	#Mid	16QAM	24.04	-2.5	19.39	PASS
NVNT	Band12	5	23155	1	#Max	16QAM	24.06	-2.5	19.41	PASS
NVNT	Band12	5	23155	12	#0	16QAM	22.32	-2.5	17.67	PASS
NVNT	Band12	5	23155	12	#Mid	16QAM	22.57	-2.5	17.92	PASS
NVNT	Band12	5	23155	12	#Max	16QAM	22.50	-2.5	17.85	PASS
NVNT	Band12	5	23155	25	#0	16QAM	22.62	-2.5	17.97	PASS
NVNT	Band12	10	23060	1	#0	QPSK	24.38	-2.5	19.73	PASS
NVNT	Band12	10	23060	1	#Mid	QPSK	24.33	-2.5	19.68	PASS
NVNT	Band12	10	23060	1	#Max	QPSK	24.44	-2.5	19.79	PASS
NVNT	Band12	10	23060	25	#0	QPSK	23.34	-2.5	18.69	PASS
NVNT	Band12	10	23060	25	#Mid	QPSK	23.41	-2.5	18.76	PASS
NVNT	Band12	10	23060	25	#Max	QPSK	23.44	-2.5	18.79	PASS
NVNT	Band12	10	23060	50	#0	QPSK	23.50	-2.5	18.85	PASS
NVNT	Band12	10	23060	1	#0	16QAM	24.29	-2.5	19.64	PASS
NVNT	Band12	10	23060	1	#Mid	16QAM	24.34	-2.5	19.69	PASS
NVNT	Band12	10	23060	1	#Max	16QAM	24.39	-2.5	19.74	PASS
NVNT	Band12	10	23060	25	#0	16QAM	22.24	-2.5	17.59	PASS
NVNT	Band12	10	23060	25	#Mid	16QAM	22.26	-2.5	17.61	PASS
NVNT	Band12	10	23060	25	#Max	16QAM	22.32	-2.5	17.67	PASS
NVNT	Band12	10	23060	50	#0	16QAM	22.29	-2.5	17.64	PASS
NVNT	Band12	10	23095	1	#0	QPSK	24.49	-2.5	19.84	PASS
NVNT	Band12	10	23095	1	#Mid	QPSK	24.47	-2.5	19.82	PASS
NVNT	Band12	10	23095	1	#Max	QPSK	24.54	-2.5	19.89	PASS
NVNT	Band12	10	23095	25	#0	QPSK	23.44	-2.5	18.79	PASS
NVNT	Band12	10	23095	25	#Mid	QPSK	23.45	-2.5	18.80	PASS
NVNT	Band12	10	23095	25	#Max	QPSK	23.53	-2.5	18.88	PASS
NVNT	Band12	10	23095	50	#0	QPSK	23.47	-2.5	18.82	PASS
NVNT	Band12	10	23095	1	#0	16QAM	24.05	-2.5	19.40	PASS
NVNT	Band12	10	23095	1	#Mid	16QAM	24.14	-2.5	19.49	PASS
NVNT	Band12	10	23095	1	#Max	16QAM	24.15	-2.5	19.50	PASS
NVNT	Band12	10	23095	25	#0	16QAM	22.39	-2.5	17.74	PASS
NVNT	Band12	10	23095	25	#Mid	16QAM	22.40	-2.5	17.75	PASS
NVNT	Band12	10	23095	25	#Max	16QAM	22.47	-2.5	17.82	PASS
NVNT	Band12	10	23095	50	#0	16QAM	22.45	-2.5	17.80	PASS
NVNT	Band12	10	23130	1	#0	QPSK	24.42	-2.5	19.77	PASS
NVNT	Band12	10	23130	1	#Mid	QPSK	24.44	-2.5	19.79	PASS
NVNT	Band12	10	23130	1	#Max	QPSK	24.52	-2.5	19.87	PASS
NVNT	Band12	10	23130	25	#0	QPSK	23.45	-2.5	18.80	PASS
NVNT	Band12	10	23130	25	#Mid	QPSK	23.54	-2.5	18.89	PASS
NVNT	Band12	10	23130	25	#Max	QPSK	23.64	-2.5	18.99	PASS
NVNT	Band12	10	23130	50	#0	QPSK	23.55	-2.5	18.90	PASS

NVNT	Band12	10	23130	1	#0	16QAM	23.85	-2.5	19.20	PASS
NVNT	Band12	10	23130	1	#Mid	16QAM	23.87	-2.5	19.22	PASS
NVNT	Band12	10	23130	1	#Max	16QAM	24.02	-2.5	19.37	PASS
NVNT	Band12	10	23130	25	#0	16QAM	22.42	-2.5	17.77	PASS
NVNT	Band12	10	23130	25	#Mid	16QAM	22.50	-2.5	17.85	PASS
NVNT	Band12	10	23130	25	#Max	16QAM	22.57	-2.5	17.92	PASS
NVNT	Band12	10	23130	50	#0	16QAM	22.41	-2.5	17.76	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	NV	-30	-2.37	-0.003	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	-20	-21.40	-0.031	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	0	-33.57	-0.048	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	10	-40.10	-0.057	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	20	-45.39	-0.065	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	30	1.23	0.002	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	40	-4.25	-0.006	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	50	-7.87	-0.011	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	-30	-10.96	-0.016	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	-20	-10.76	-0.015	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	0	-10.13	-0.014	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	10	-12.25	-0.018	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	20	-14.73	-0.021	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	30	-13.80	-0.020	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	40	-14.32	-0.020	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	50	-14.71	-0.021	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	-30	-0.74	-0.001	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	-20	-9.18	-0.013	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	0	-13.92	-0.020	PASS

NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	10	-17.92	-0.025	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	20	-20.96	-0.030	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	30	-23.13	-0.033	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	40	-25.78	-0.036	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	50	-27.27	-0.039	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	-30	-29.97	-0.042	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	-20	-26.78	-0.038	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	0	-24.58	-0.035	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	10	-24.20	-0.034	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	20	-23.90	-0.034	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	30	-23.72	-0.034	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	40	-26.28	-0.037	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	50	-27.85	-0.039	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	-30	-7.72	-0.011	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	-20	-14.09	-0.020	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	0	-19.18	-0.027	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	10	-23.29	-0.033	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	20	-26.76	-0.037	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	30	-30.33	-0.042	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	40	-33.79	-0.047	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	50	-36.89	-0.052	PASS
NVNT	Band1	1.4	23173	6	#0	16QAM	NV	-30	-40.34	-0.056	PASS

	2										
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	-20	-38.35	-0.054	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	0	-36.18	-0.051	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	10	-35.39	-0.049	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	20	-35.92	-0.050	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	30	-35.28	-0.049	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	40	-35.68	-0.050	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	50	-36.16	-0.051	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	-30	12.00	0.017	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	-20	-10.97	-0.016	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	0	-22.54	-0.032	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	10	-29.33	-0.042	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	20	-35.89	-0.051	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	30	-41.48	-0.059	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	40	-40.93	-0.058	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	50	-3.68	-0.005	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	-30	-6.47	-0.009	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	-20	-5.48	-0.008	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	0	-3.49	-0.005	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	10	-3.93	-0.006	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	20	-3.91	-0.006	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	30	-3.95	-0.006	PASS

NVNT	Band1 2	3	23025	15	#0	16QAM	NV	40	-5.16	-0.007	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	50	-6.64	-0.009	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	-30	1.72	0.002	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	-20	-6.67	-0.009	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	0	-10.20	-0.014	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	10	-13.63	-0.019	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	20	-16.08	-0.023	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	30	-19.38	-0.027	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	40	-21.73	-0.031	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	50	-23.79	-0.034	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	-30	-25.73	-0.036	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	-20	-23.49	-0.033	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	0	-22.10	-0.031	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	10	-21.39	-0.030	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	20	-22.06	-0.031	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	30	-20.63	-0.029	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	40	-21.80	-0.031	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	50	-20.53	-0.029	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	-30	2.43	0.003	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	-20	-3.56	-0.005	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	0	-6.54	-0.009	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	10	-9.58	-0.013	PASS

	2										
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	20	-13.52	-0.019	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	30	-14.59	-0.020	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	40	-16.04	-0.022	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	50	-18.24	-0.026	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	-30	-20.41	-0.029	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	-20	-15.99	-0.022	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	0	-15.08	-0.021	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	10	-13.93	-0.019	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	20	-12.17	-0.017	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	30	-11.76	-0.016	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	40	-12.59	-0.018	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	50	-12.17	-0.017	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	-30	6.08	0.009	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	-20	-12.40	-0.018	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	0	-19.17	-0.027	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	10	-21.47	-0.031	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	20	-24.89	-0.035	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	30	-28.48	-0.041	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	40	-30.37	-0.043	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	50	-34.80	-0.050	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	-30	-36.86	-0.053	PASS

NVNT	Band1 2	5	23035	25	#0	16QAM	NV	-20	-34.68	-0.049	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	0	-31.87	-0.045	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	10	-32.04	-0.046	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	20	-31.60	-0.045	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	30	-31.27	-0.045	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	40	-29.94	-0.043	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	50	-29.70	-0.042	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	-30	-4.75	-0.007	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	-20	-12.80	-0.018	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	0	-17.17	-0.024	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	10	-19.87	-0.028	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	20	-21.96	-0.031	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	30	-25.11	-0.035	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	40	-27.28	-0.039	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	50	-30.26	-0.043	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	-30	-29.58	-0.042	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	-20	-24.73	-0.035	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	0	-21.96	-0.031	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	10	-22.20	-0.031	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	20	-20.70	-0.029	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	30	-19.35	-0.027	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	40	-18.34	-0.026	PASS

	2										
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	50	-18.55	-0.026	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	-30	1.04	0.001	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	-20	-6.12	-0.009	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	0	-8.24	-0.012	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	10	-9.30	-0.013	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	20	-10.40	-0.015	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	30	-12.37	-0.017	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	40	-14.22	-0.020	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	50	-15.49	-0.022	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	-30	-14.72	-0.021	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	-20	-11.50	-0.016	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	0	-10.01	-0.014	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	10	-10.10	-0.014	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	20	-7.65	-0.011	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	30	-7.71	-0.011	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	40	-7.17	-0.010	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	50	-6.65	-0.009	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	-30	-11.99	-0.017	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	-20	-41.13	-0.058	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	0	-5.65	-0.008	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	10	-8.54	-0.012	PASS

NVNT	Band1 2	10	23060	50	#0	QPSK	NV	20	-16.89	-0.024	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	30	-22.63	-0.032	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	40	-26.29	-0.037	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	50	-29.88	-0.042	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	-30	-35.26	-0.050	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	-20	-33.09	-0.047	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	0	-34.17	-0.049	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	10	-34.89	-0.050	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	20	-33.97	-0.048	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	30	-33.20	-0.047	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	40	-33.07	-0.047	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	50	-35.45	-0.050	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	-30	-4.84	-0.007	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	-20	-13.82	-0.020	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	0	-18.67	-0.026	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	10	-23.33	-0.033	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	20	-30.14	-0.043	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	30	-33.86	-0.048	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	40	-36.82	-0.052	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	50	-40.40	-0.057	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	-30	-42.51	-0.060	PASS
NVNT	Band1	10	23095	50	#0	16QAM	NV	-20	-36.91	-0.052	PASS

	2										
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	0	-35.18	-0.050	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	10	-34.63	-0.049	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	20	-33.87	-0.048	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	30	-33.03	-0.047	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	40	-31.26	-0.044	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	50	-30.34	-0.043	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	-30	1.90	0.003	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	-20	-7.11	-0.010	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	0	-10.09	-0.014	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	10	-12.90	-0.018	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	20	-14.68	-0.021	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	30	-17.15	-0.024	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	40	-19.96	-0.028	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	50	-21.93	-0.031	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	-30	-23.37	-0.033	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	-20	-18.60	-0.026	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	0	-18.21	-0.026	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	10	-18.10	-0.025	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	20	-17.05	-0.024	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	30	-16.39	-0.023	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	40	-15.13	-0.021	PASS

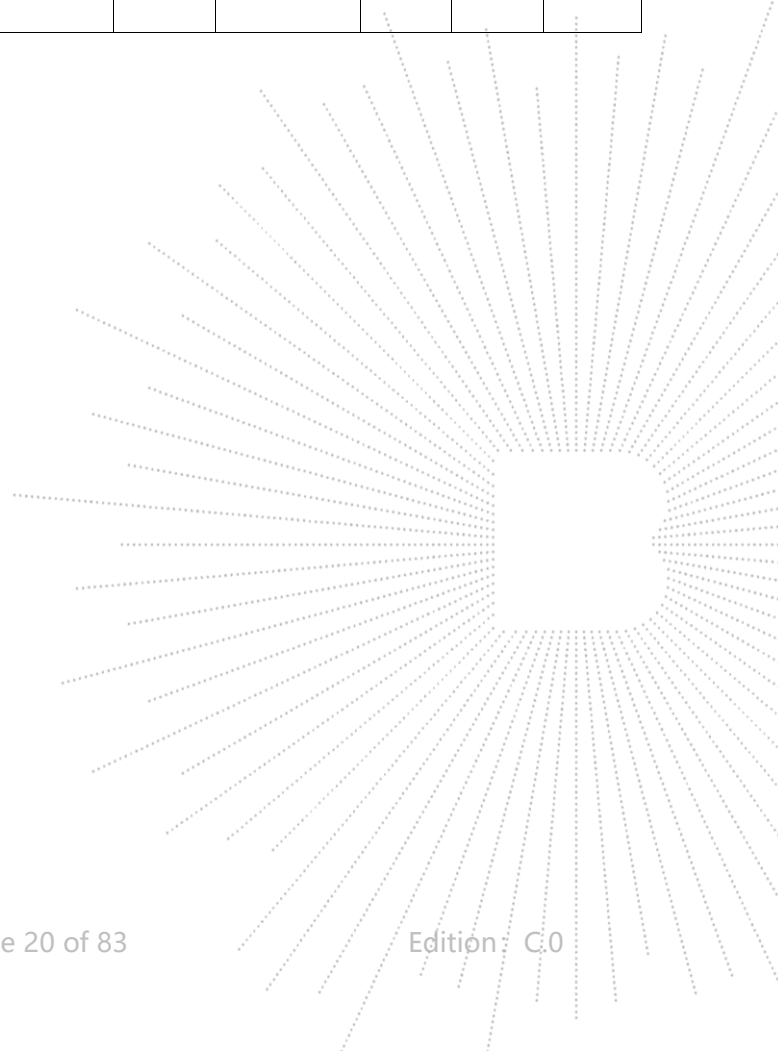
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	50	-14.66	-0.021	PASS
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Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
NVNT	Band1 2	1.4	23017	6	#0	QPSK	LV	NT	1.79	0.003	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	NT	-28.01	-0.040	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	HV	NT	-32.43	-0.046	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	LV	NT	-26.52	-0.038	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	NT	-37.87	-0.054	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	HV	NT	-26.48	-0.038	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	LV	NT	-5.32	-0.008	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	NT	-17.29	-0.024	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	HV	NT	-29.61	-0.042	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	LV	NT	-41.27	-0.058	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	NT	3.00	0.004	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	HV	NT	-1.85	-0.003	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	LV	NT	-2.63	-0.004	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	NT	-13.69	-0.019	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	HV	NT	-23.56	-0.033	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	LV	NT	-34.00	-0.048	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	NT	-39.94	-0.056	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	HV	NT	-42.73	-0.060	PASS

NVNT	Band1 2	3	23025	15	#0	QPSK	LV	NT	32.07	0.046	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	NT	4.42	0.006	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	HV	NT	-17.61	-0.025	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	LV	NT	-34.56	-0.049	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	NT	-42.13	-0.060	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	HV	NT	-8.50	-0.012	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	LV	NT	2.02	0.003	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	NT	-11.49	-0.016	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	HV	NT	-25.02	-0.035	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	LV	NT	-35.86	-0.051	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	NT	-41.11	-0.058	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	HV	NT	-44.15	-0.062	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	LV	NT	4.85	0.007	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	NT	-2.83	-0.004	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	HV	NT	-11.29	-0.016	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	LV	NT	-20.33	-0.028	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	NT	-20.79	-0.029	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	HV	NT	-23.65	-0.033	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	LV	NT	27.67	0.039	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	NT	0.01	0.000	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	HV	NT	-20.53	-0.029	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	LV	NT	-38.85	-0.055	PASS

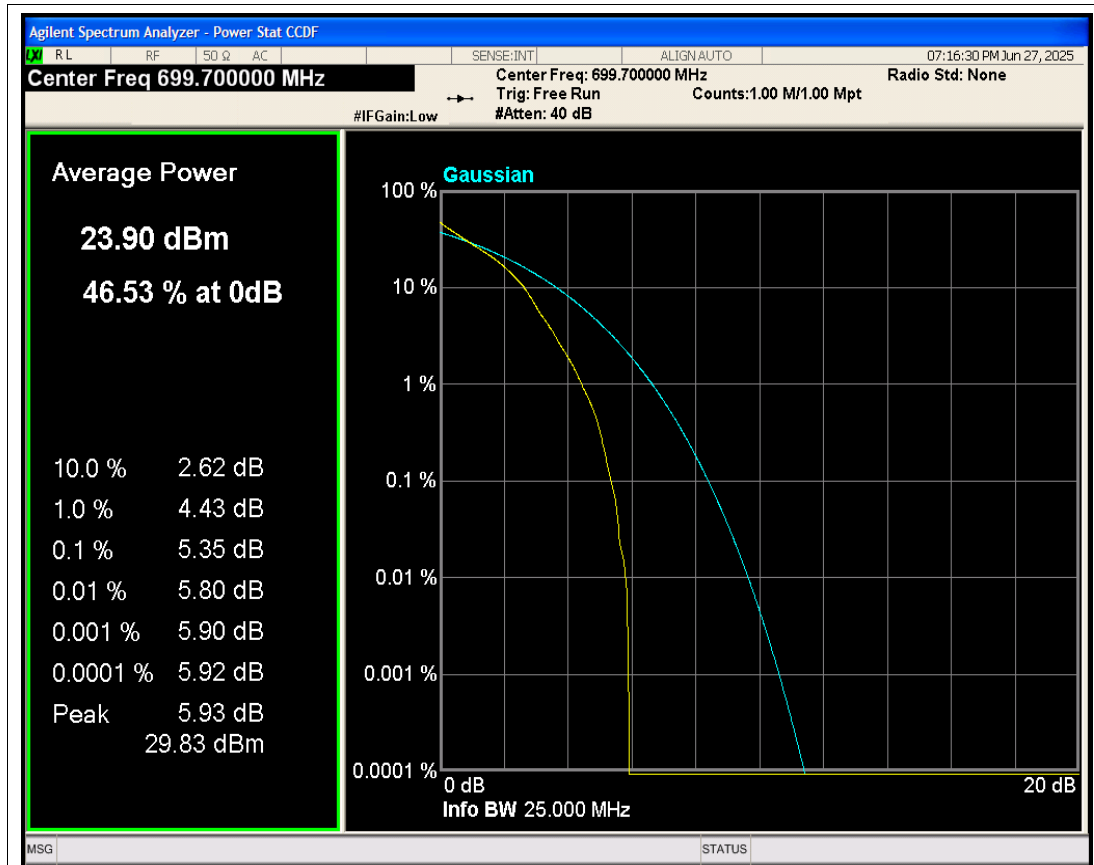
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NVNT	Band1 2	5	23035	25	#0	16QAM	NV	NT	-25.58	-0.036	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	HV	NT	-1.10	-0.002	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	LV	NT	-0.37	-0.001	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	NT	-11.46	-0.016	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	HV	NT	-26.35	-0.037	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	LV	NT	-36.31	-0.051	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	NT	-38.29	-0.054	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	HV	NT	-41.37	-0.058	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	LV	NT	6.11	0.009	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	NT	-4.75	-0.007	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	HV	NT	-13.23	-0.019	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	LV	NT	-18.02	-0.025	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	NT	-18.51	-0.026	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	HV	NT	-18.17	-0.025	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	LV	NT	21.33	0.030	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	NT	-15.11	-0.021	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	HV	NT	-39.37	-0.056	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	LV	NT	-4.36	-0.006	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	NT	-10.64	-0.015	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	HV	NT	-14.83	-0.021	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	LV	NT	2.20	0.003	PASS

NVNT	Band1 2	10	23095	50	#0	QPSK	NV	NT	-13.60	-0.019	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	HV	NT	-27.32	-0.039	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	LV	NT	-37.32	-0.053	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	NT	-38.92	-0.055	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	HV	NT	-38.80	-0.055	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	LV	NT	1.85	0.003	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	NT	-10.63	-0.015	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	HV	NT	-19.17	-0.027	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	LV	NT	-25.59	-0.036	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	NT	-25.15	-0.035	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	HV	NT	-24.72	-0.035	PASS

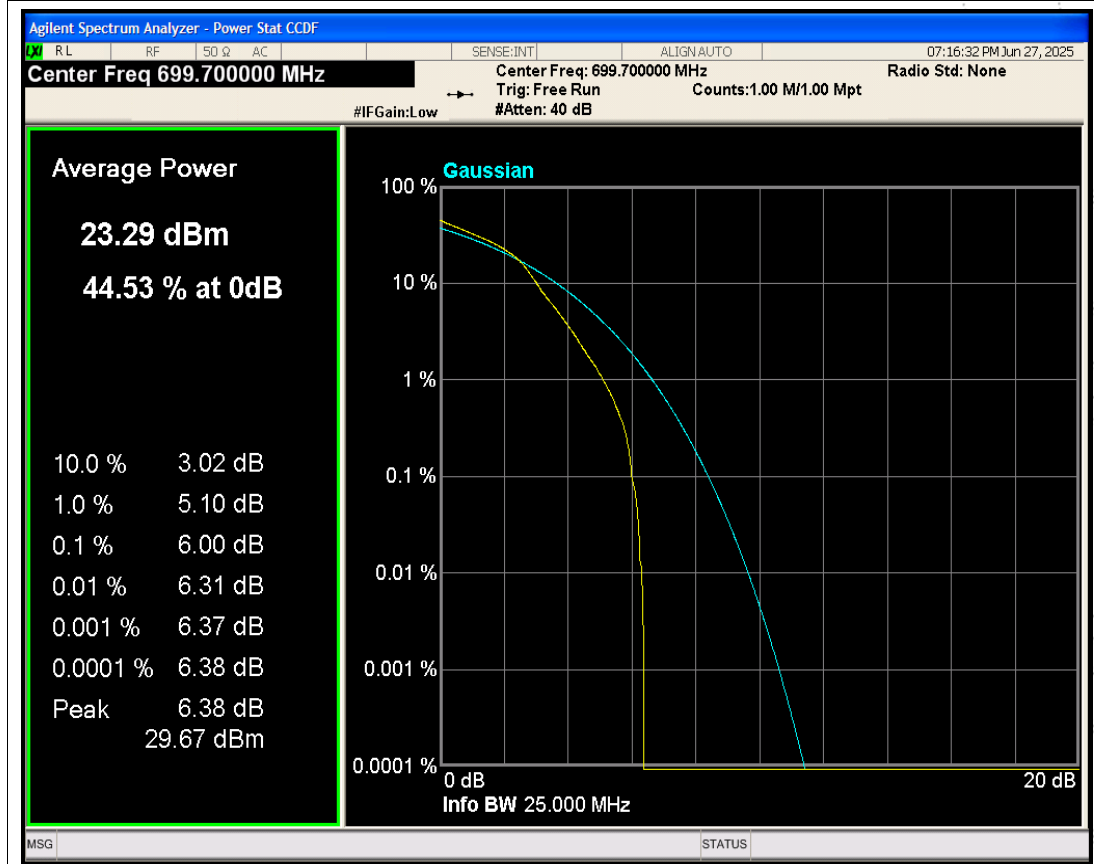


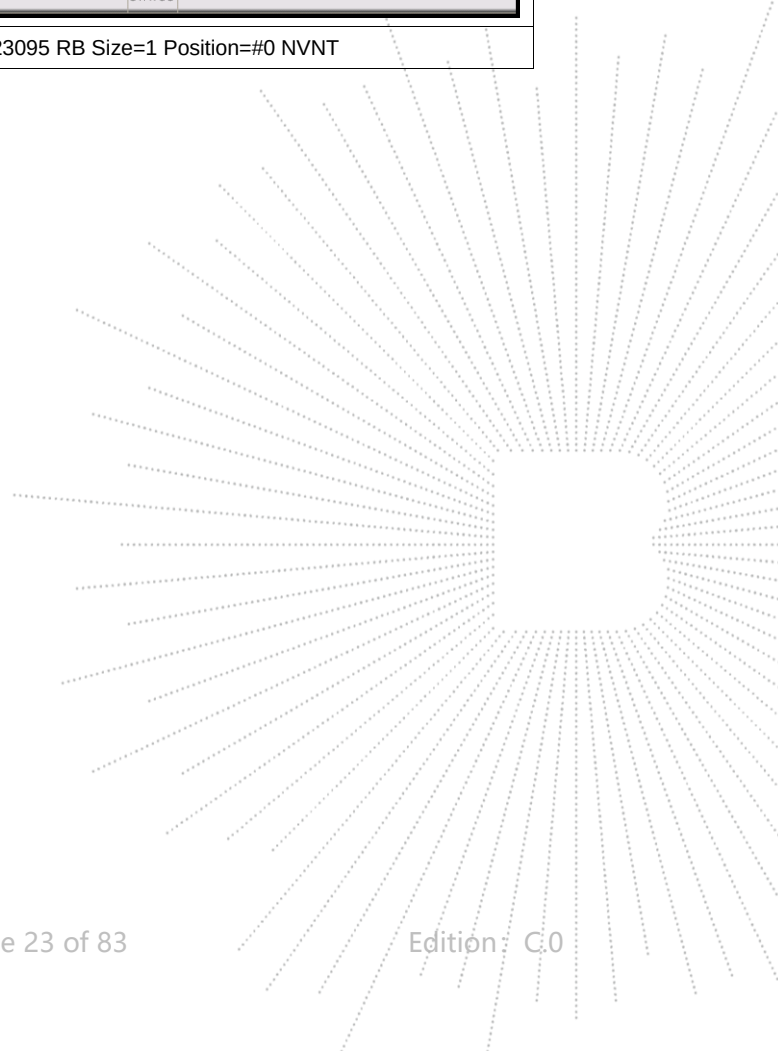
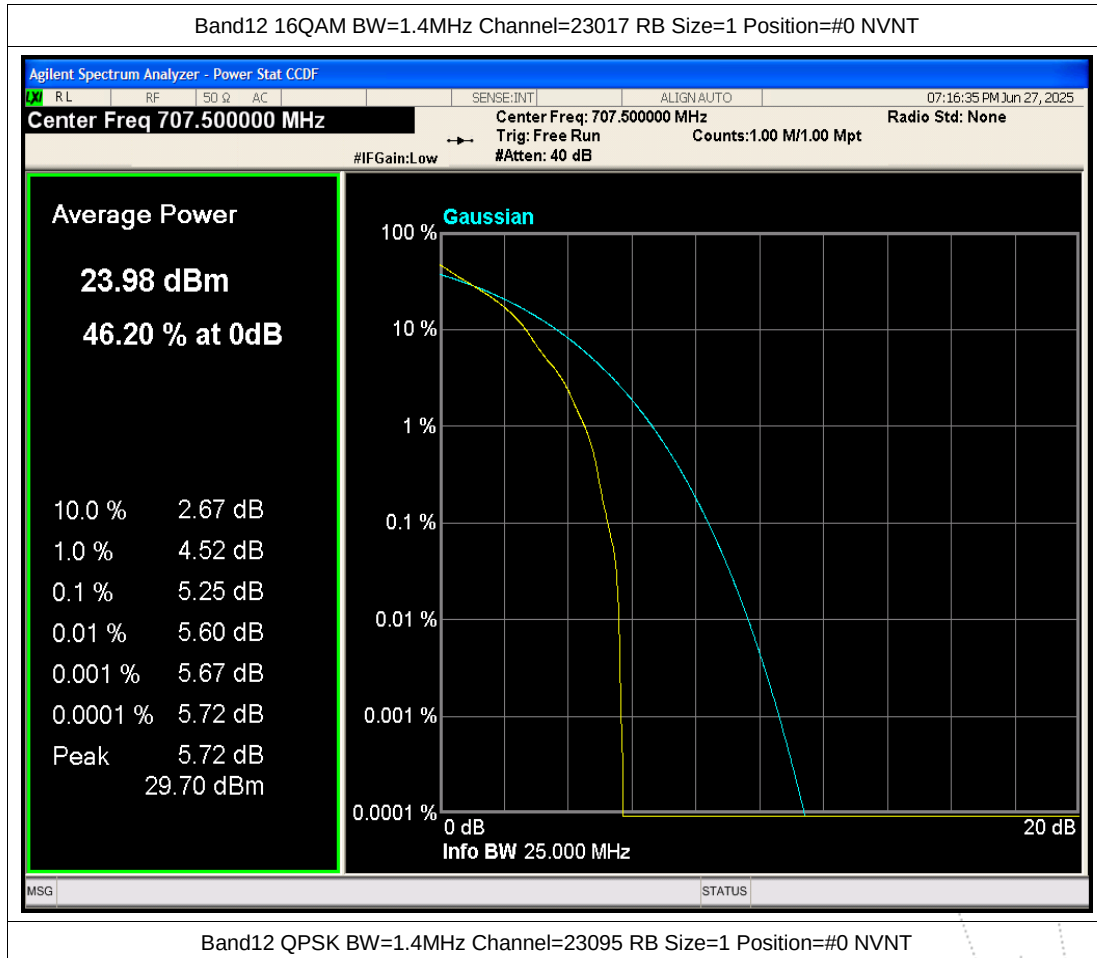
Appendix 3. Peak-to-Average Ratio

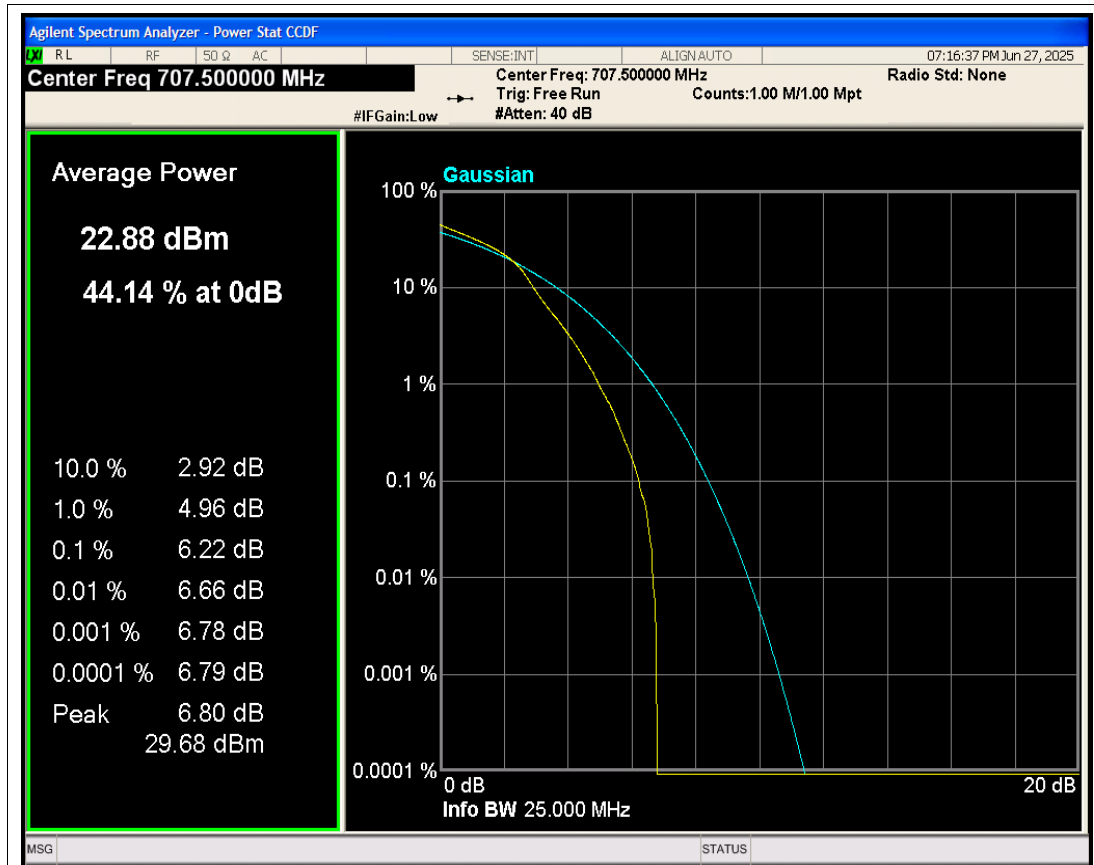
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band12	1.4	23017	1	#0	QPSK	5.35	13	PASS
NVNT	Band12	1.4	23017	1	#0	16QAM	6.00	13	PASS
NVNT	Band12	1.4	23095	1	#0	QPSK	5.25	13	PASS
NVNT	Band12	1.4	23095	1	#0	16QAM	6.22	13	PASS
NVNT	Band12	1.4	23173	1	#0	QPSK	3.91	13	PASS
NVNT	Band12	1.4	23173	1	#0	16QAM	5.05	13	PASS
NVNT	Band12	3	23025	1	#0	QPSK	5.33	13	PASS
NVNT	Band12	3	23025	1	#0	16QAM	6.55	13	PASS
NVNT	Band12	3	23095	1	#0	QPSK	5.27	13	PASS
NVNT	Band12	3	23095	1	#0	16QAM	6.02	13	PASS
NVNT	Band12	3	23165	1	#0	QPSK	3.61	13	PASS
NVNT	Band12	3	23165	1	#0	16QAM	4.64	13	PASS
NVNT	Band12	5	23035	1	#0	QPSK	5.62	13	PASS
NVNT	Band12	5	23035	1	#0	16QAM	6.24	13	PASS
NVNT	Band12	5	23095	1	#0	QPSK	5.07	13	PASS
NVNT	Band12	5	23095	1	#0	16QAM	5.84	13	PASS
NVNT	Band12	5	23155	1	#0	QPSK	4.08	13	PASS
NVNT	Band12	5	23155	1	#0	16QAM	5.04	13	PASS
NVNT	Band12	10	23060	1	#0	QPSK	5.49	13	PASS
NVNT	Band12	10	23060	1	#0	16QAM	6.39	13	PASS
NVNT	Band12	10	23095	1	#0	QPSK	5.02	13	PASS
NVNT	Band12	10	23095	1	#0	16QAM	6.08	13	PASS
NVNT	Band12	10	23130	1	#0	QPSK	5.13	13	PASS
NVNT	Band12	10	23130	1	#0	16QAM	5.96	13	PASS



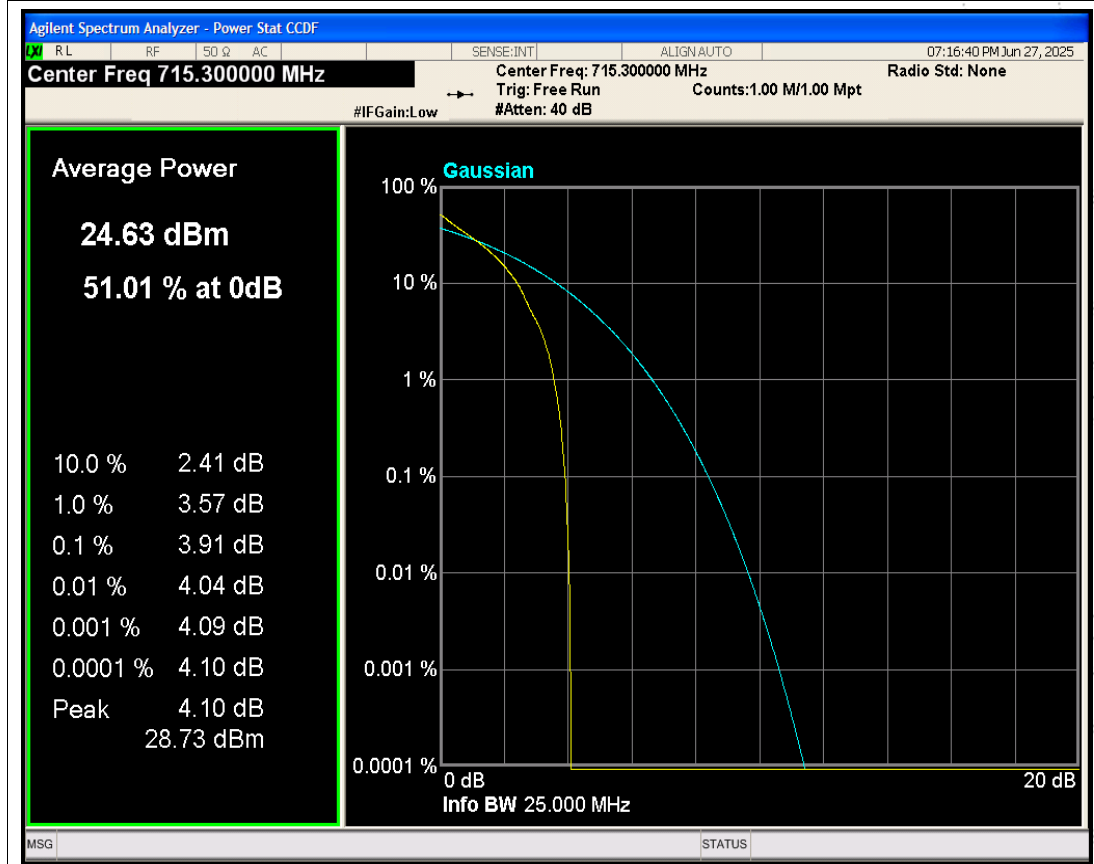
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0 NVNT

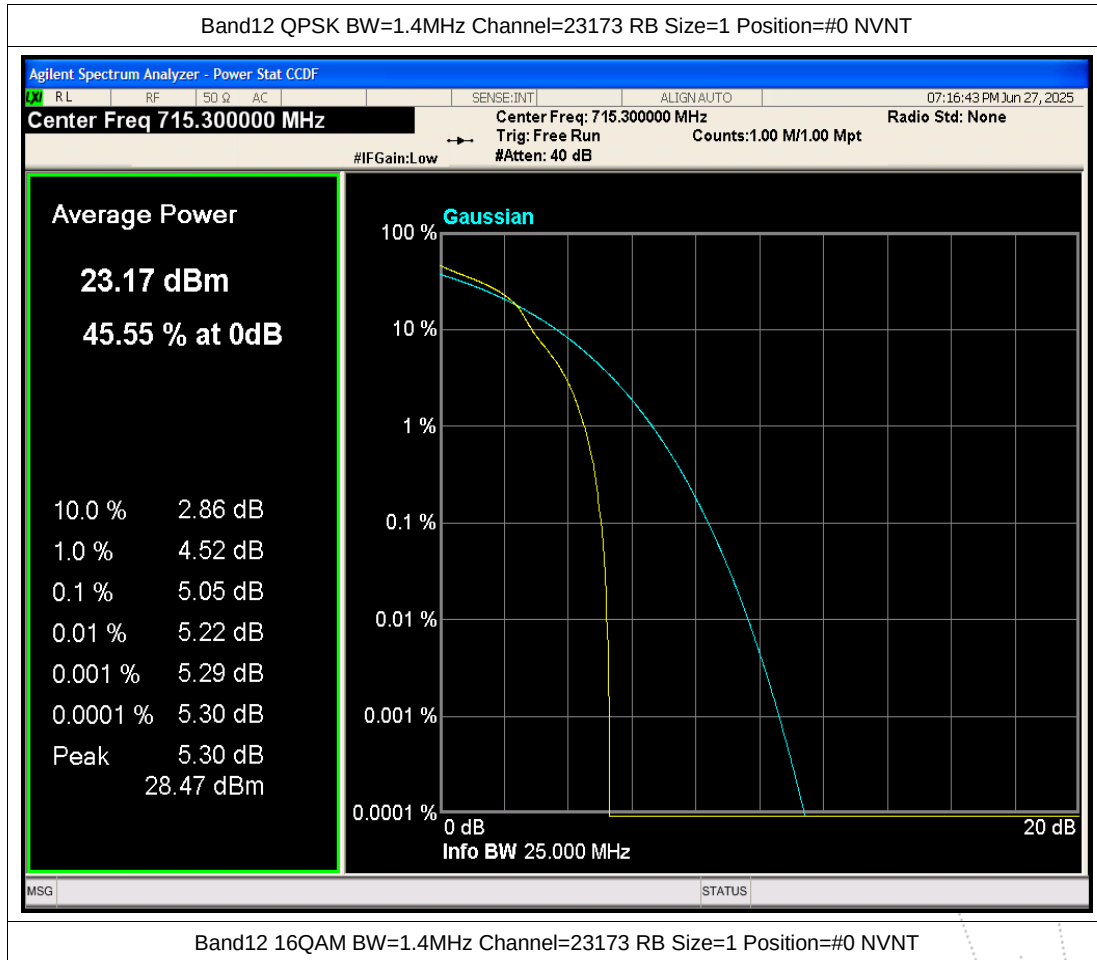


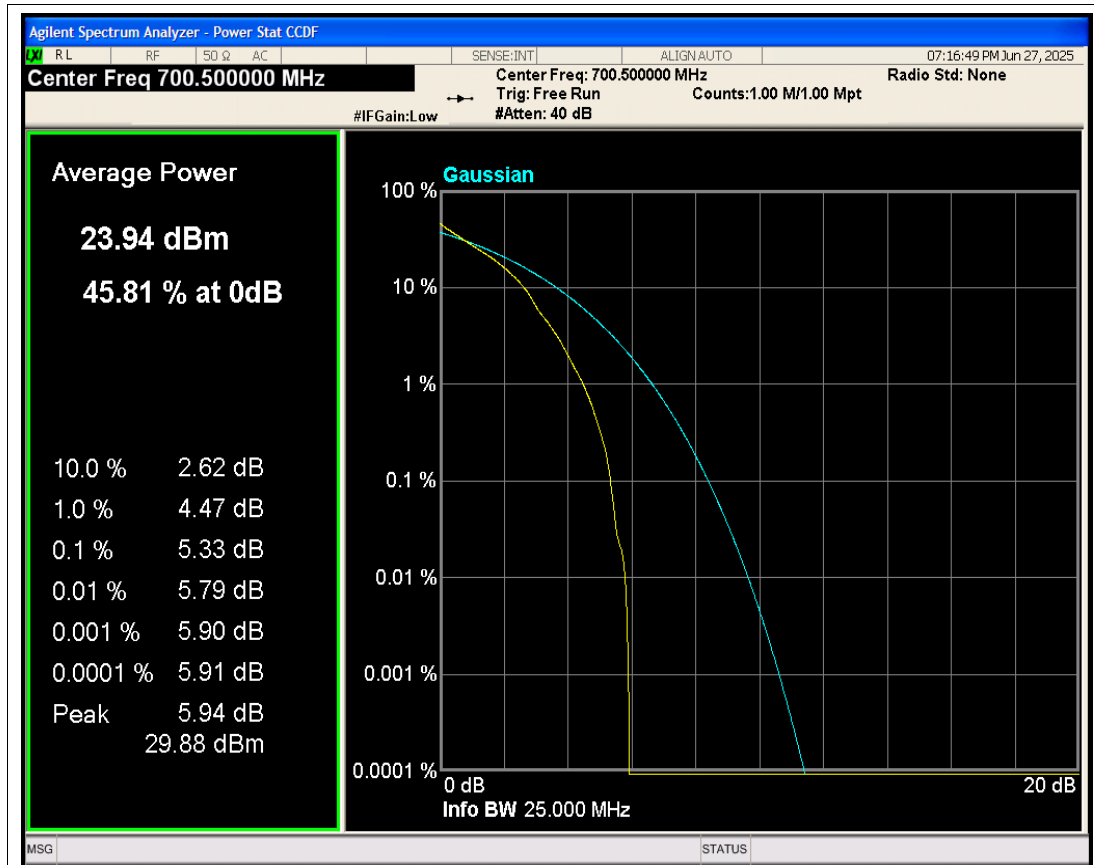




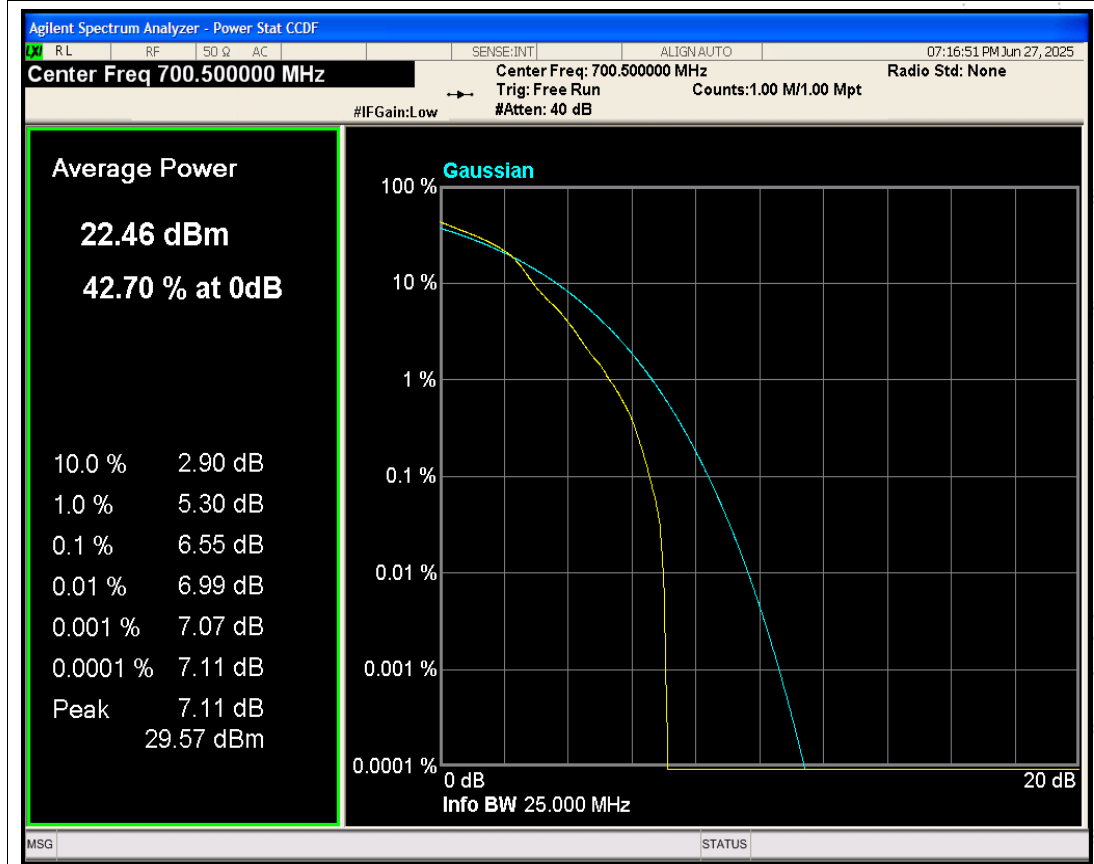
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0 NVNT

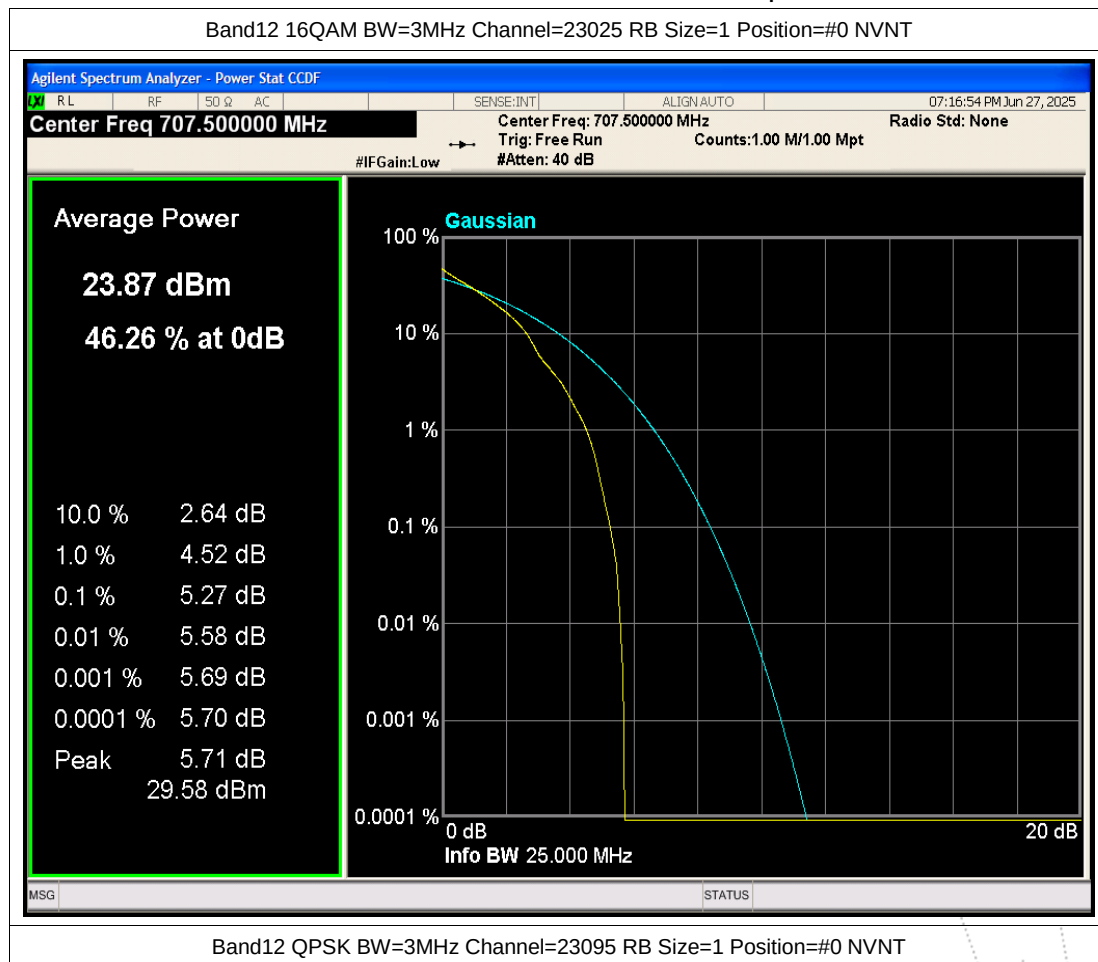


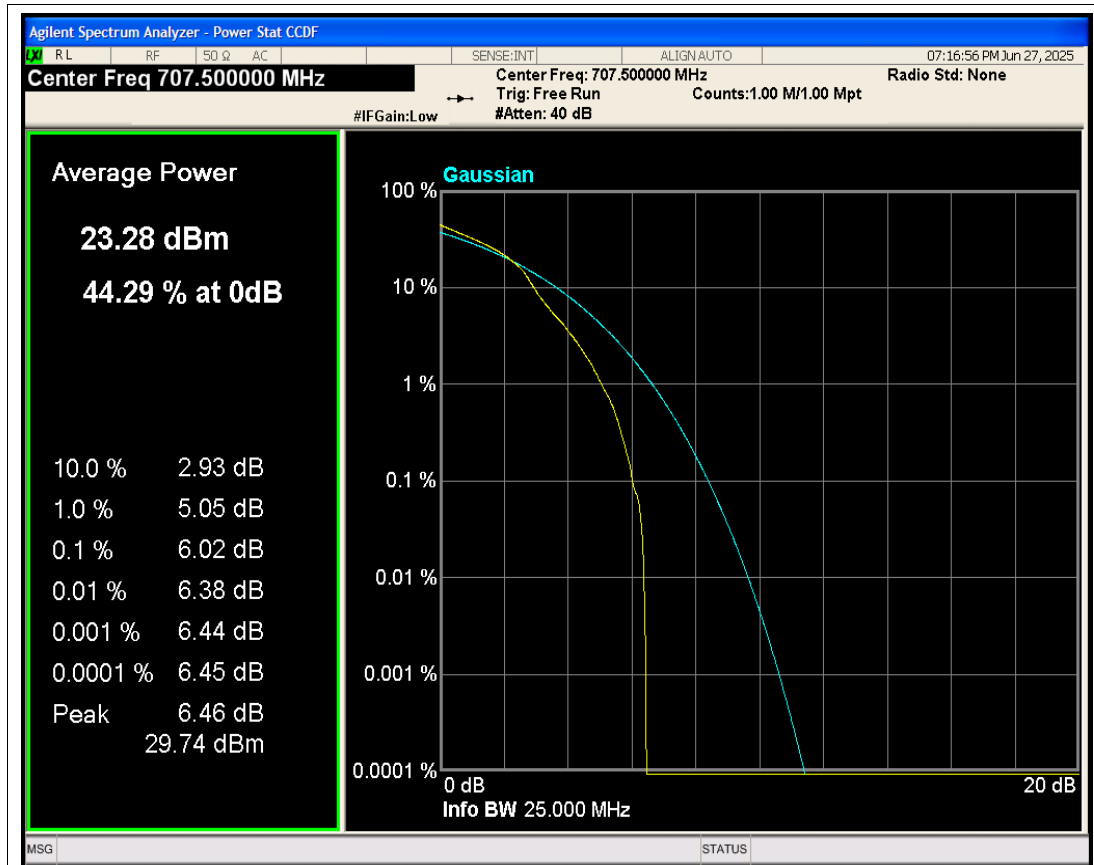




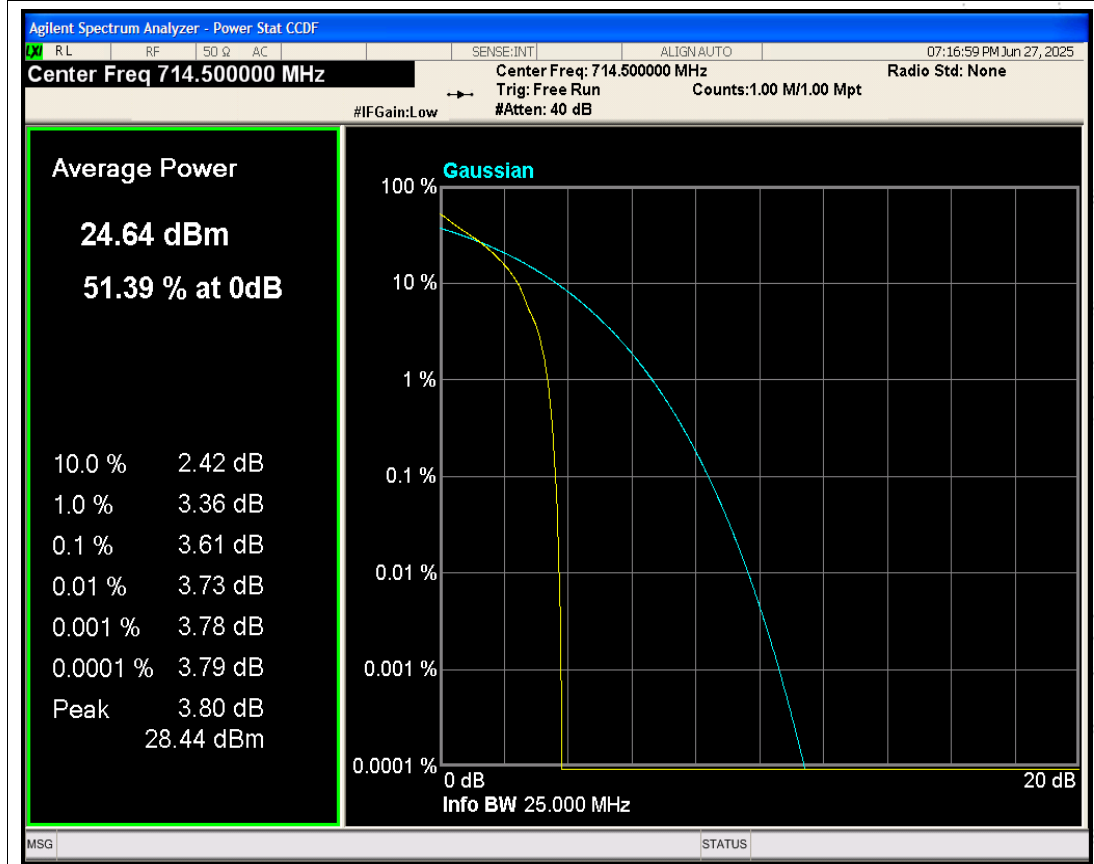
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0 NVNT

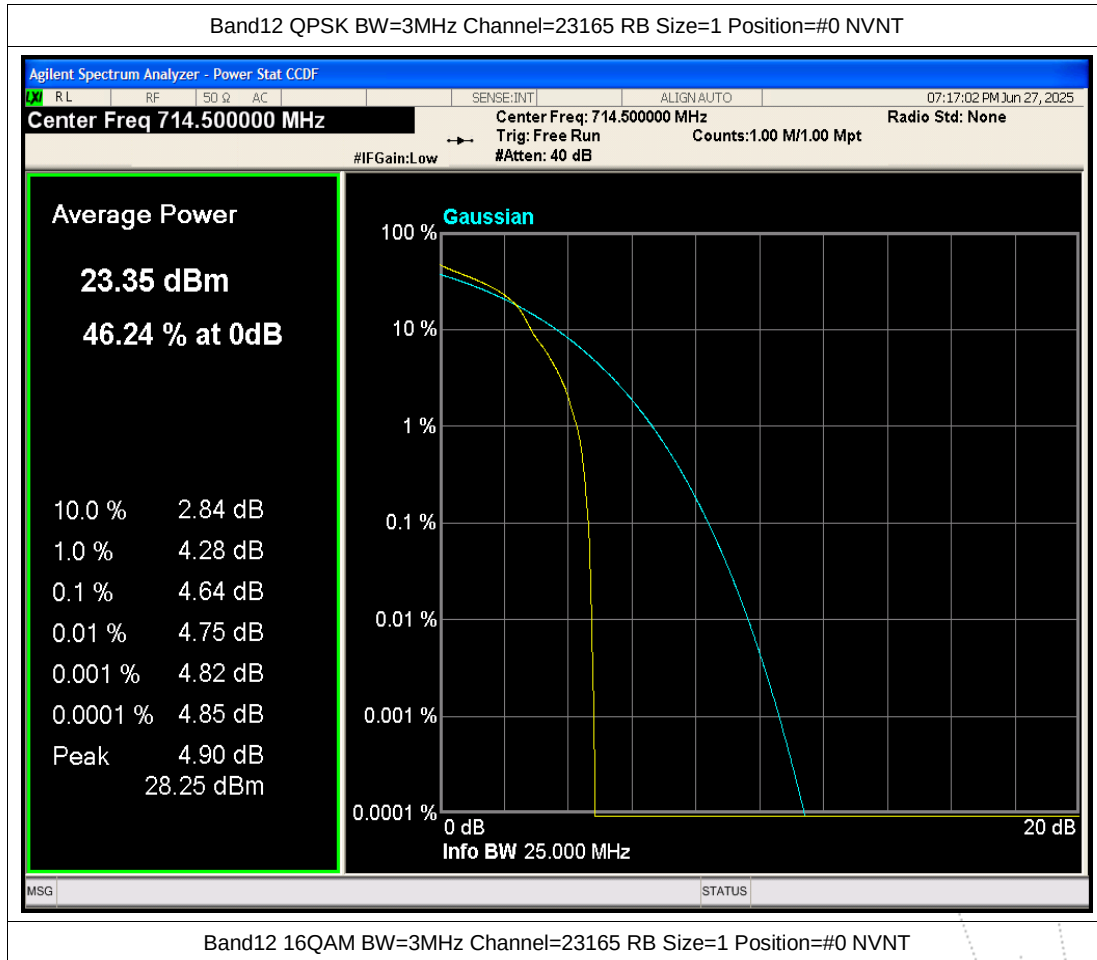


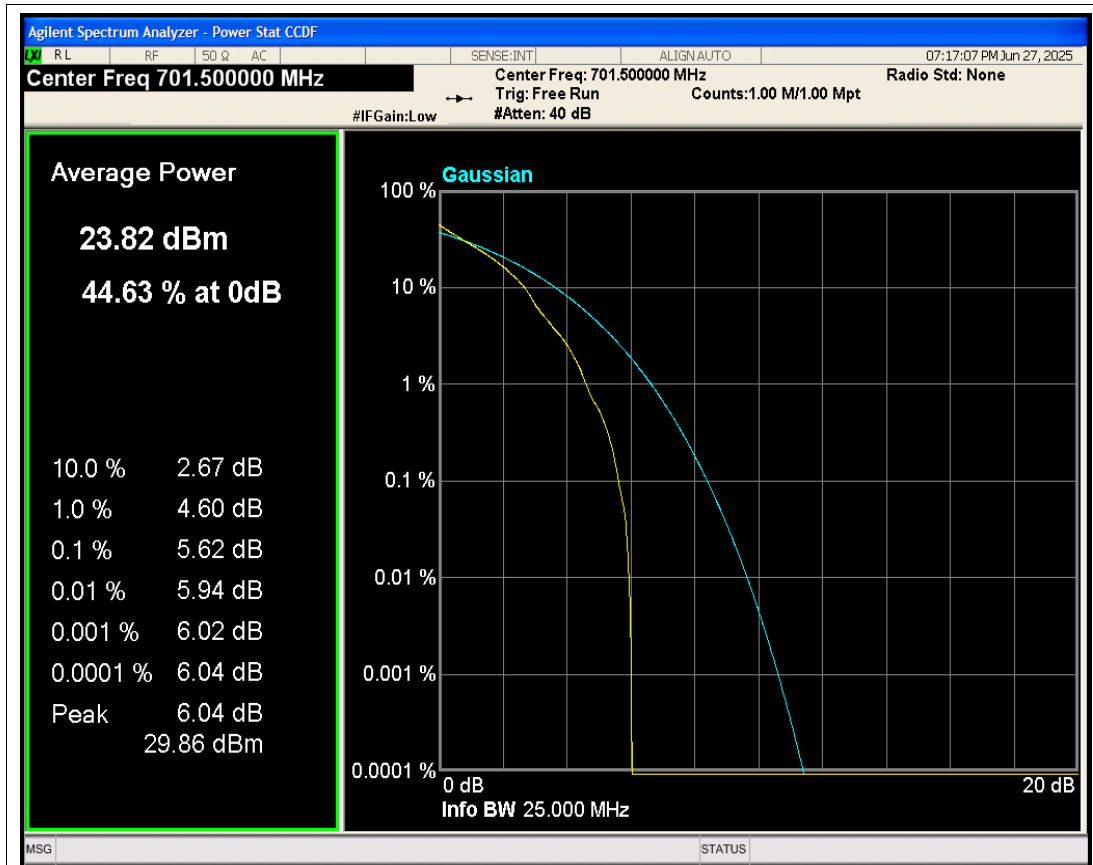




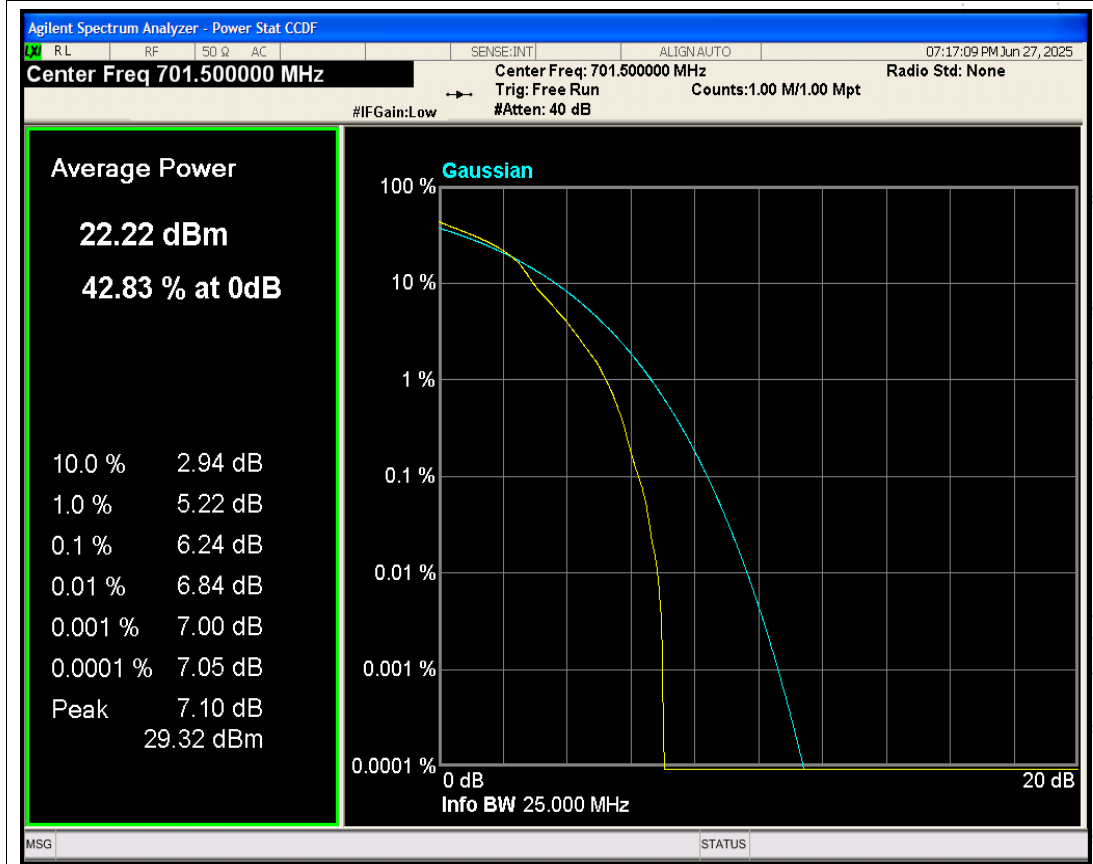
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0 NVNT

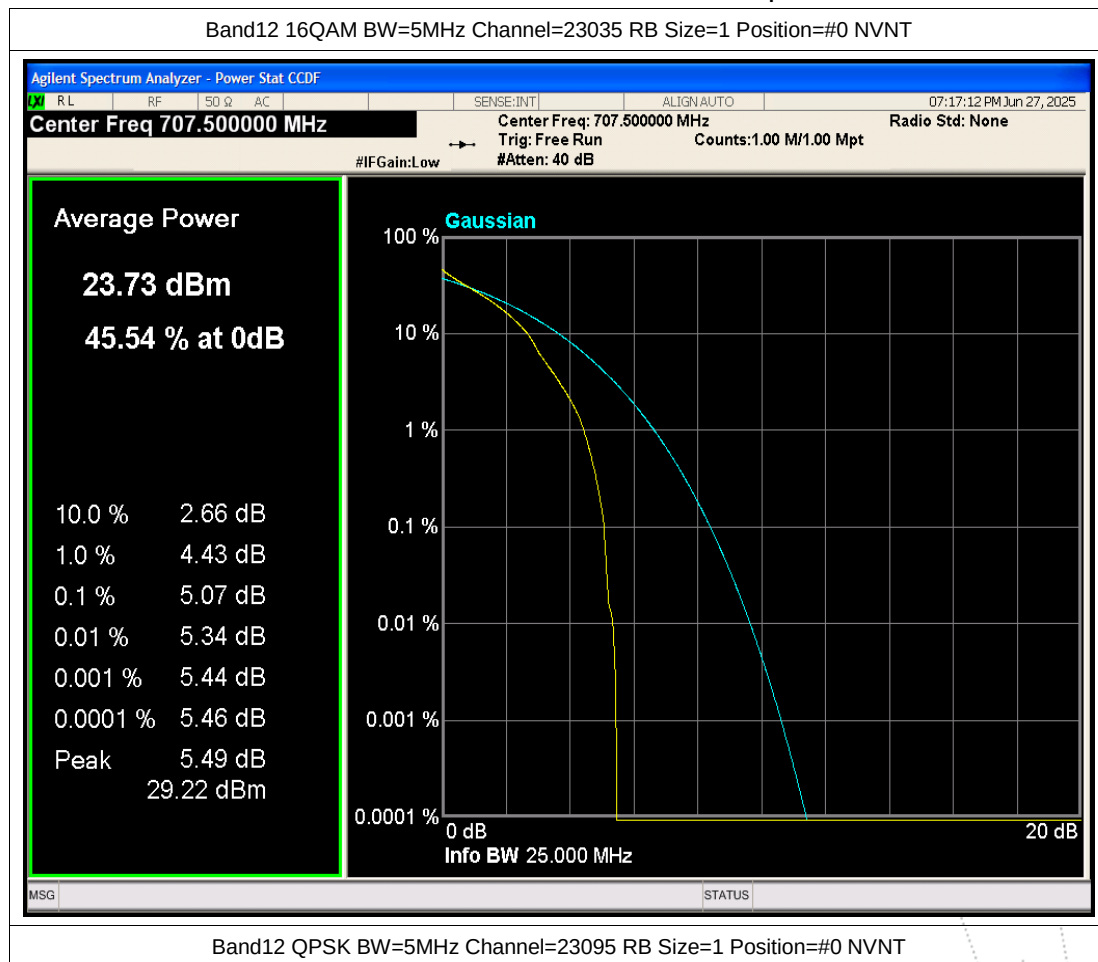


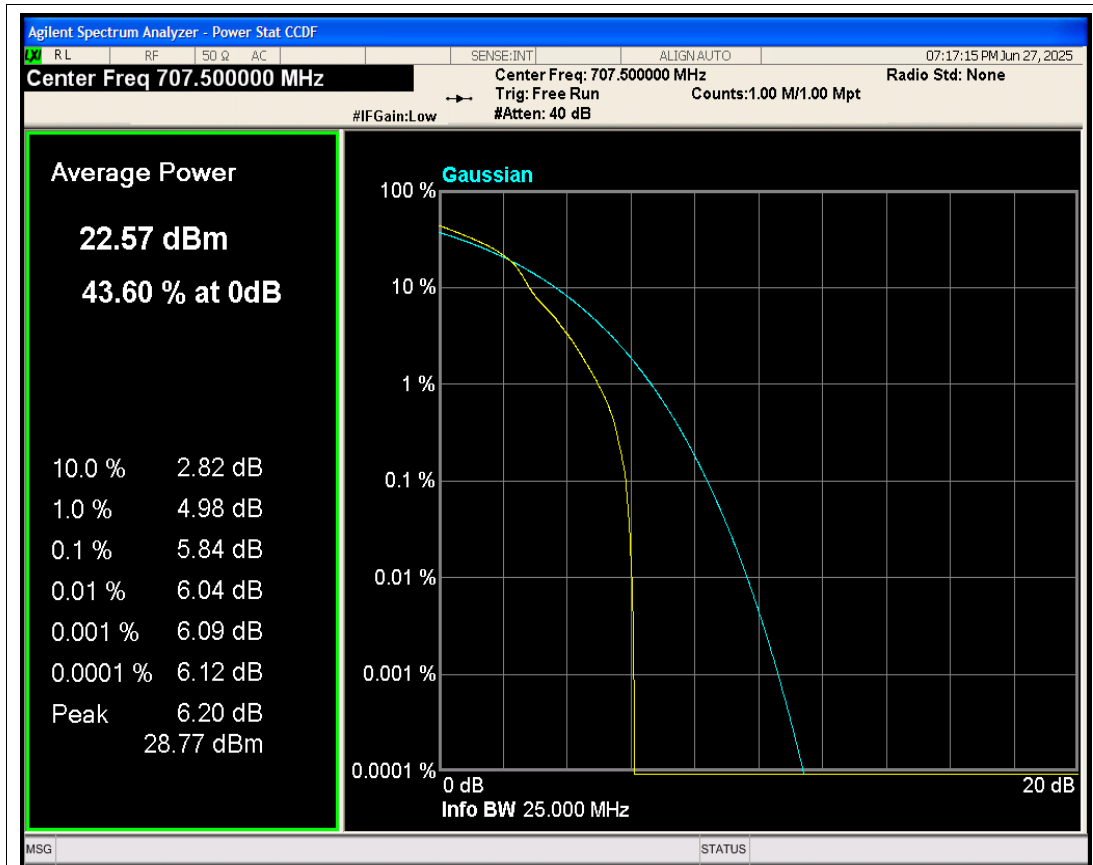




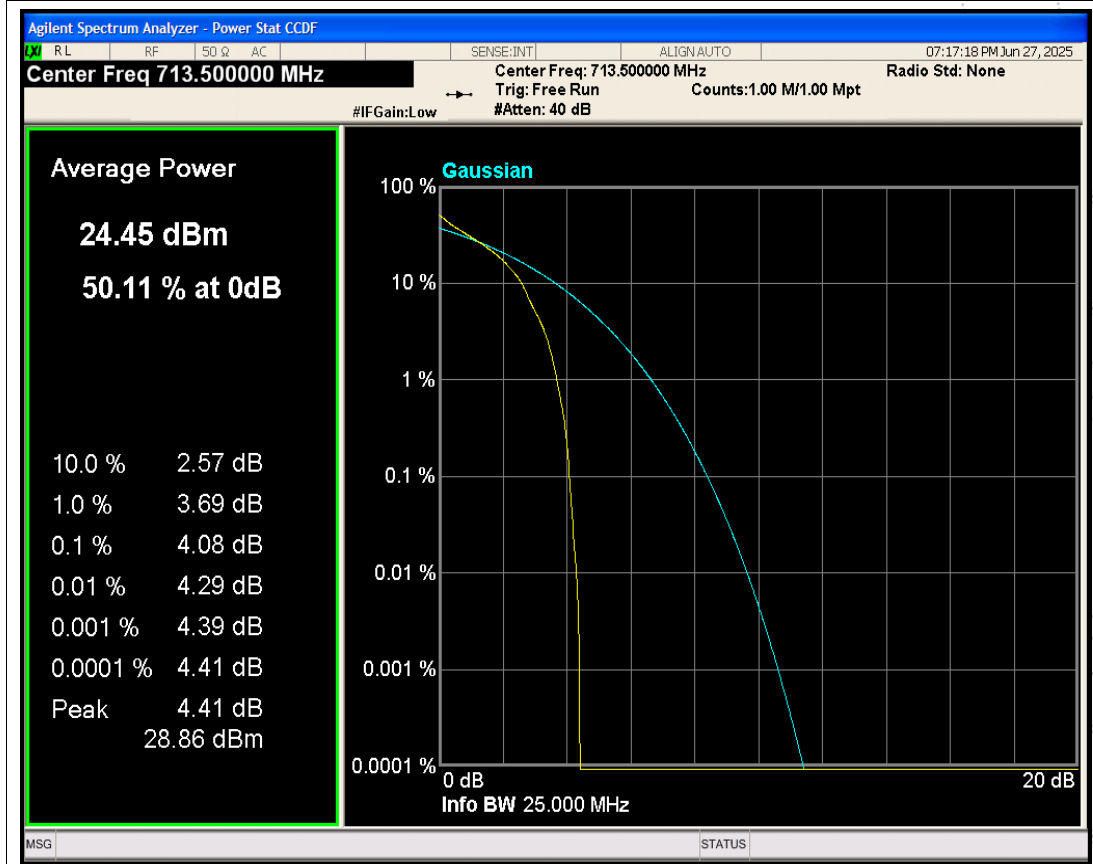
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0 NVNT

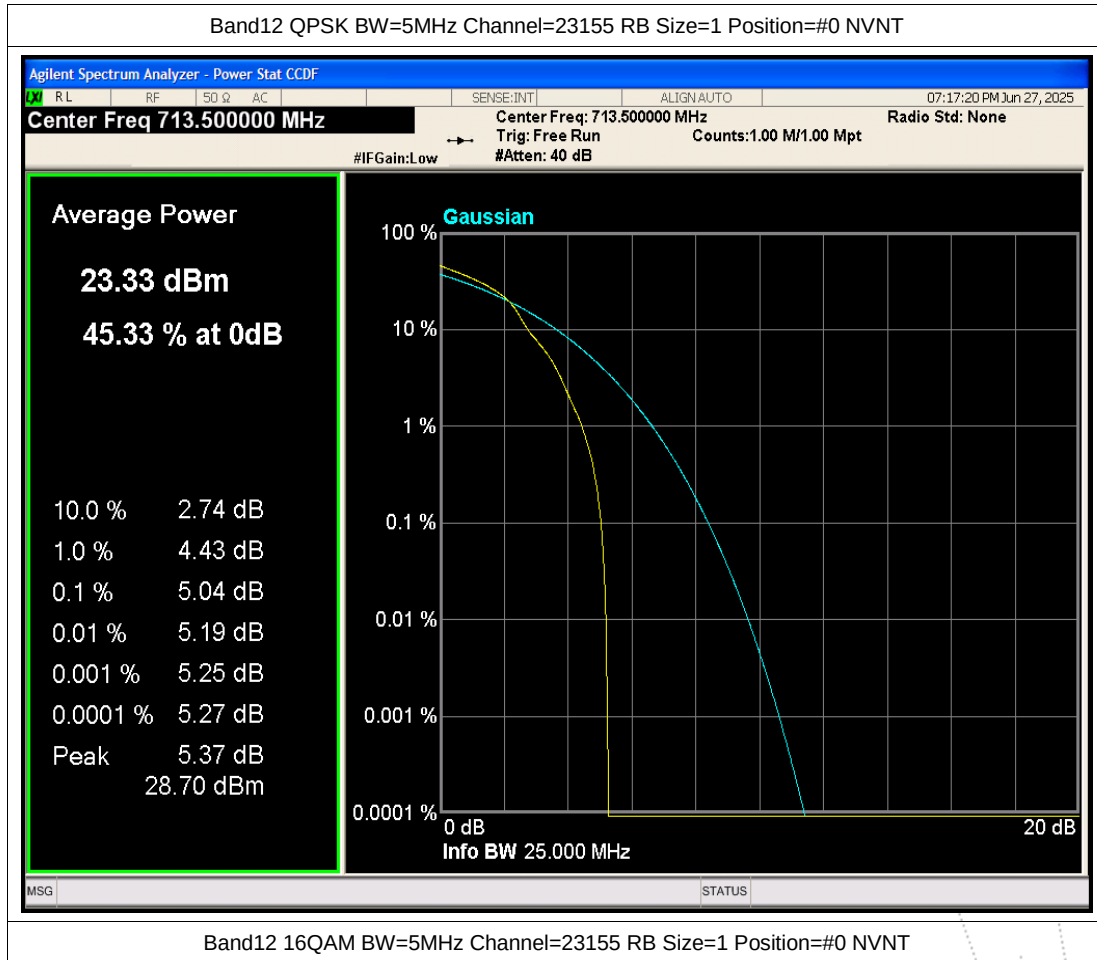


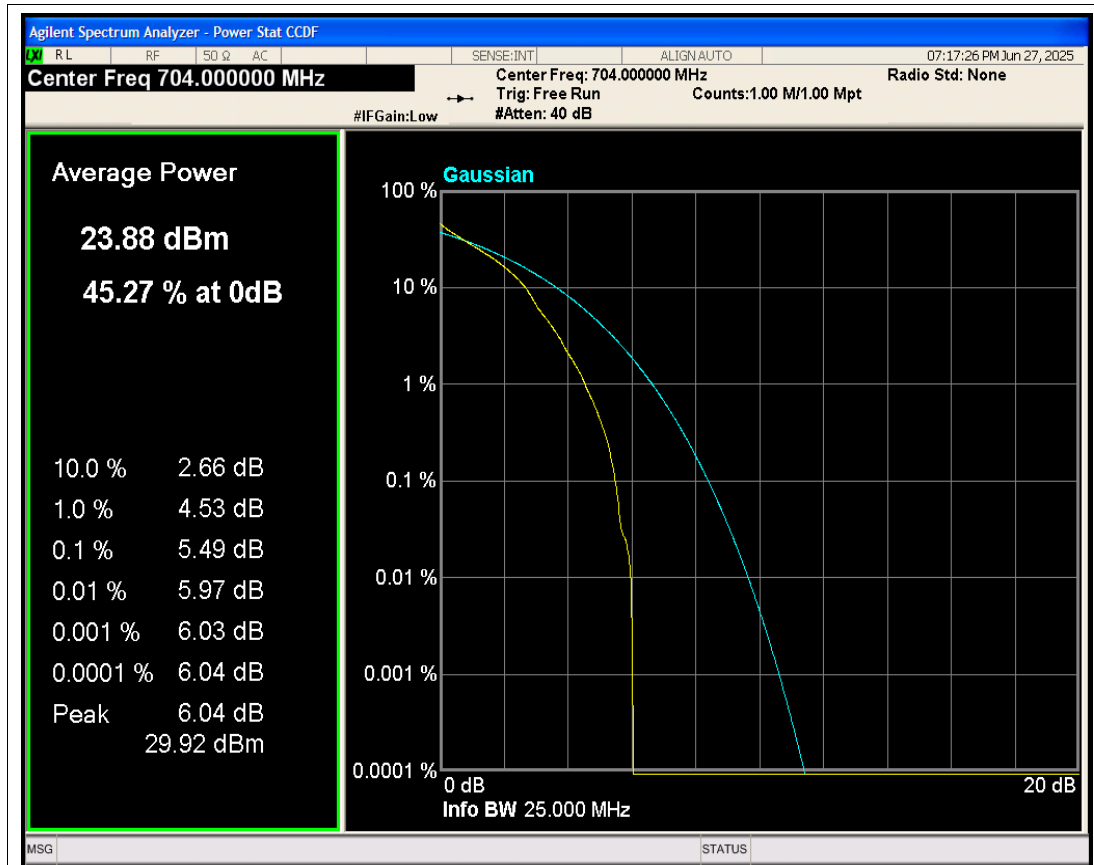




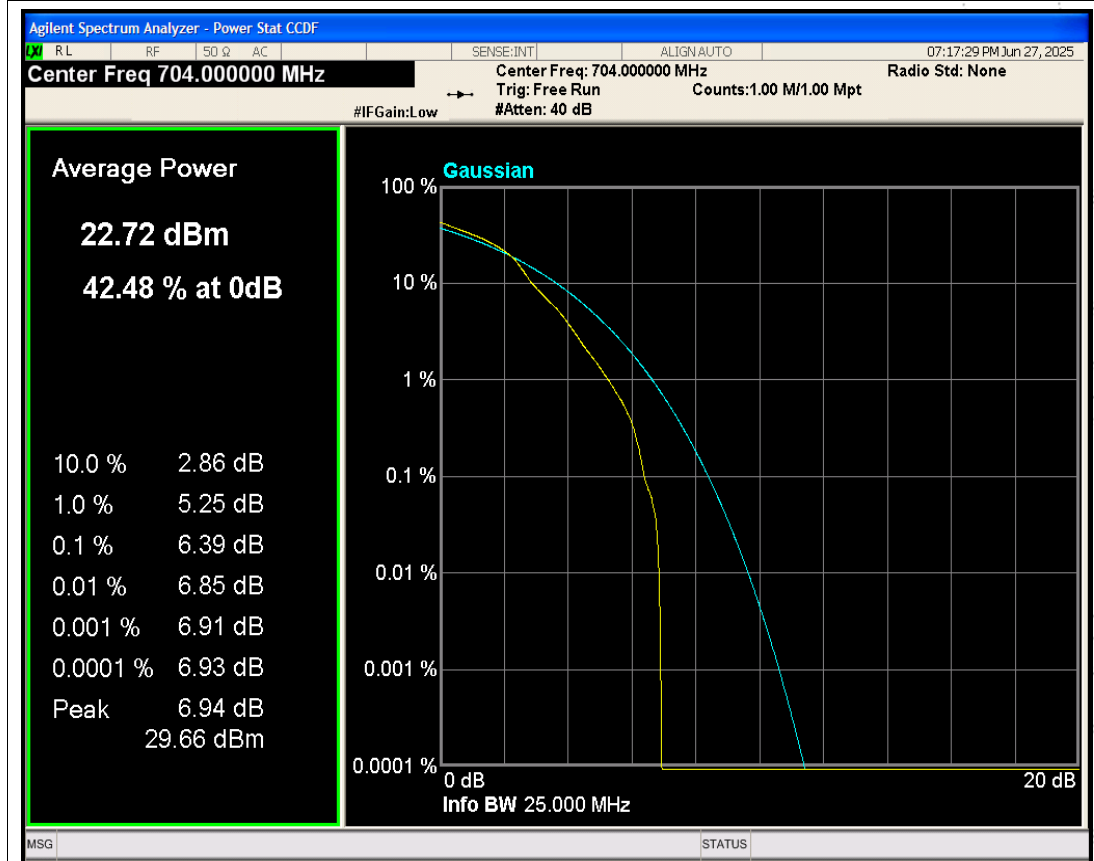
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0 NVNT

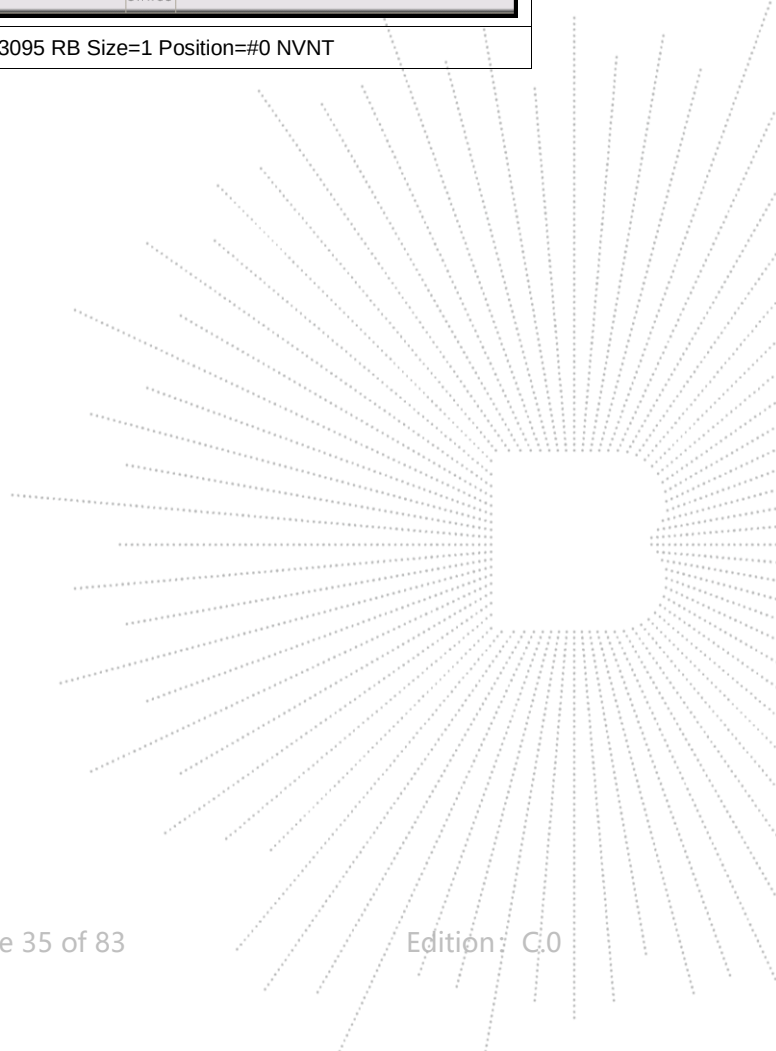
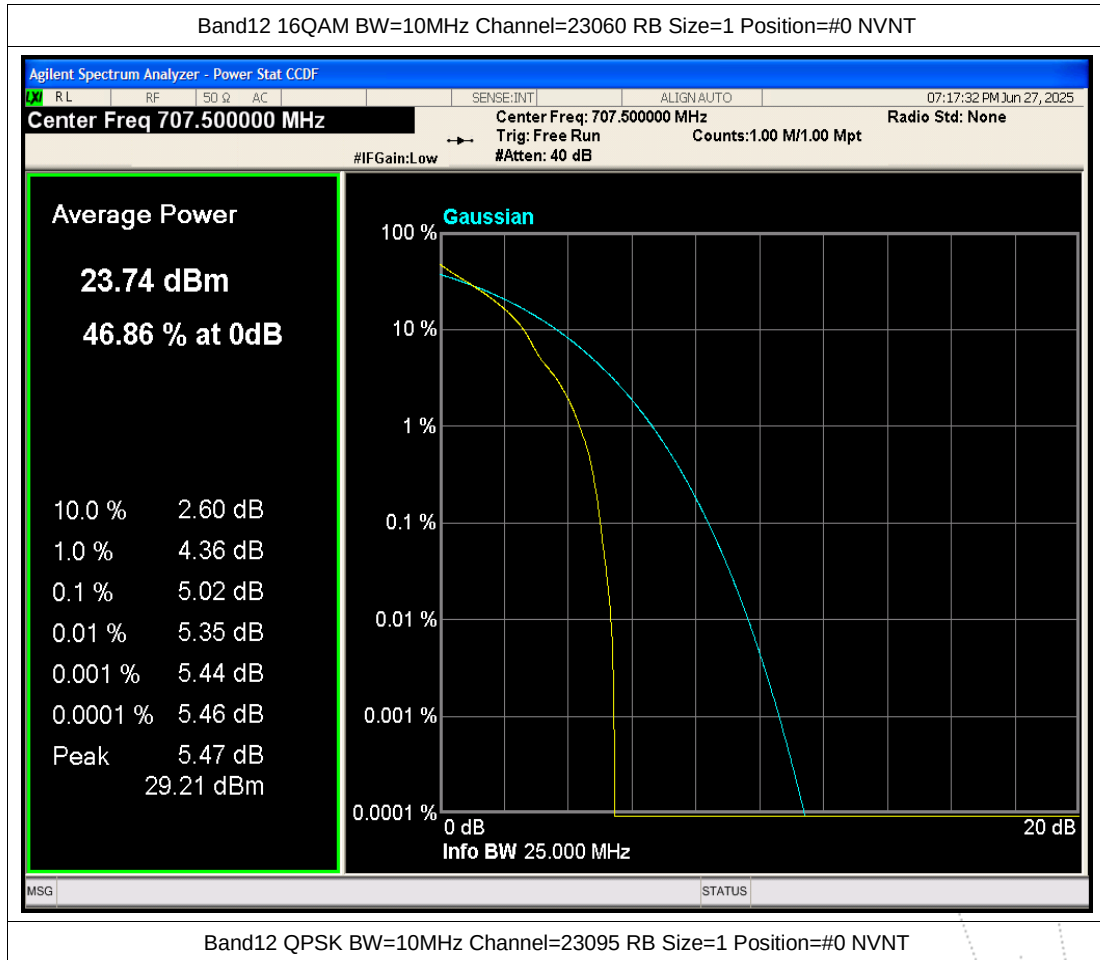


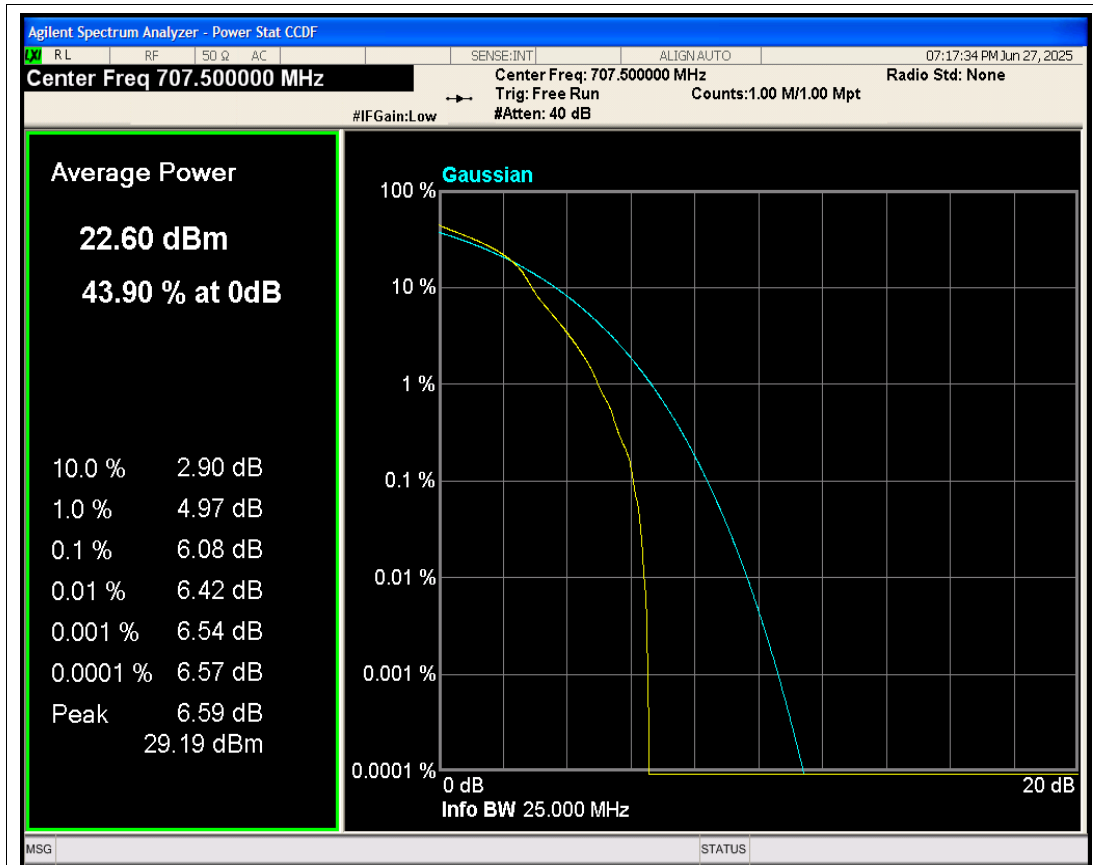




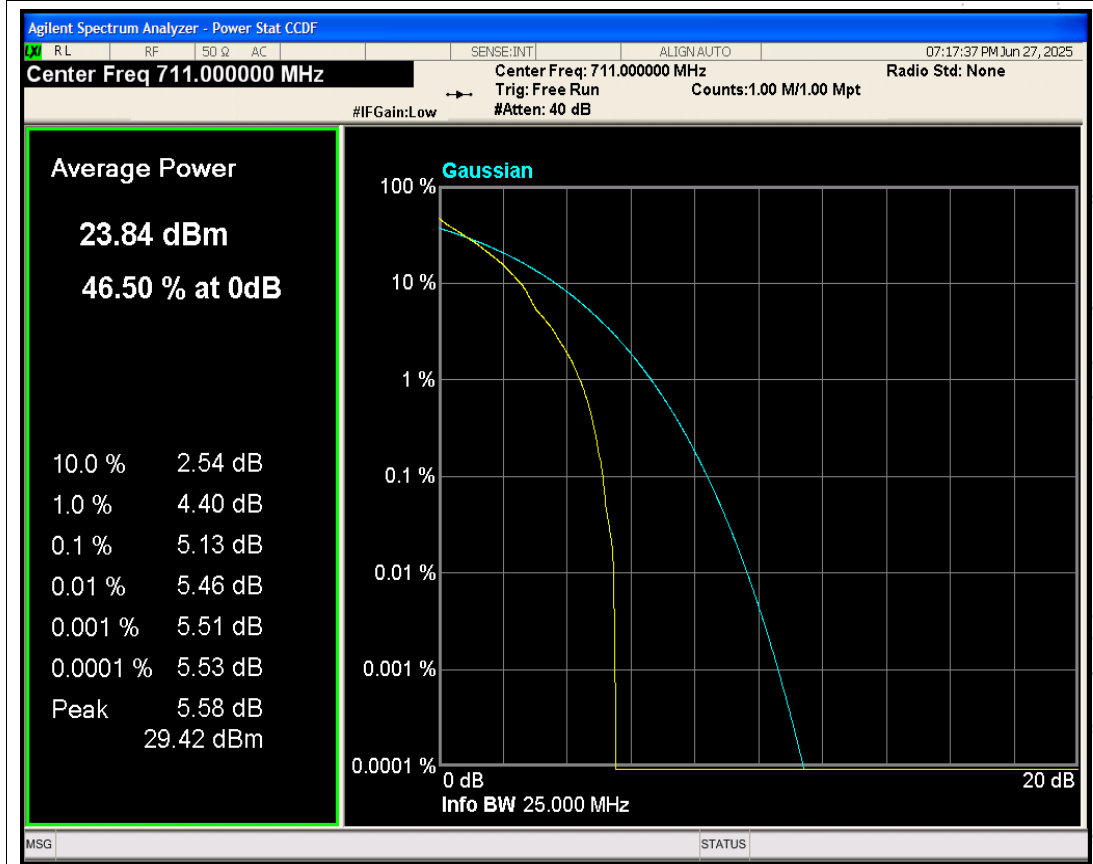
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0 NVNT

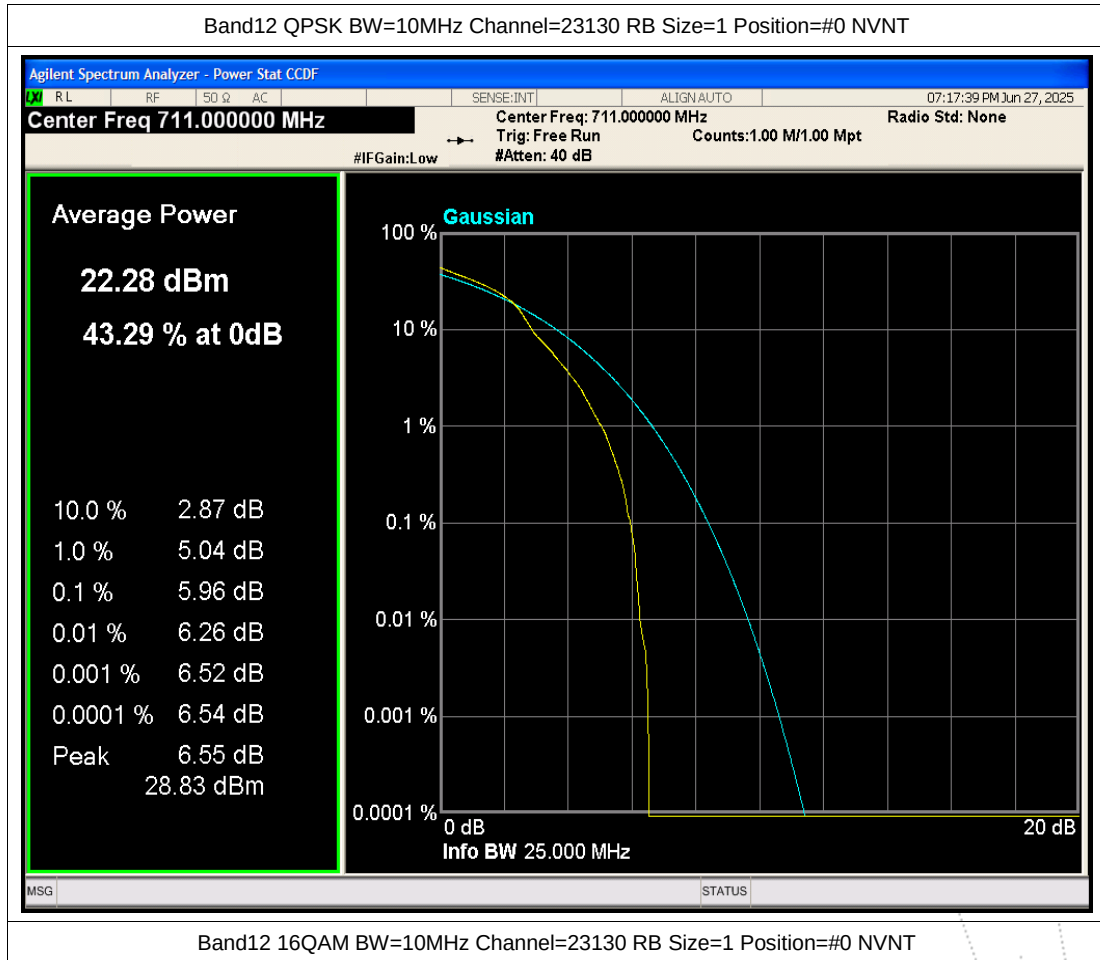






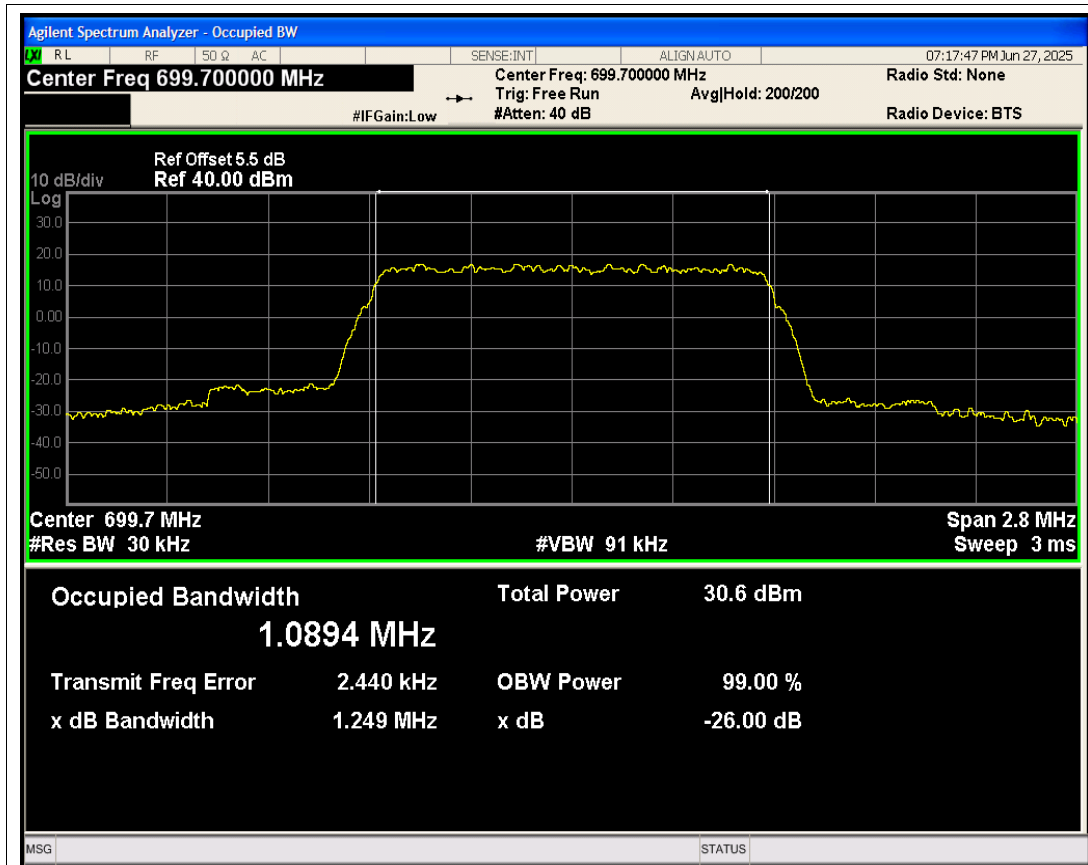
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0 NVNT



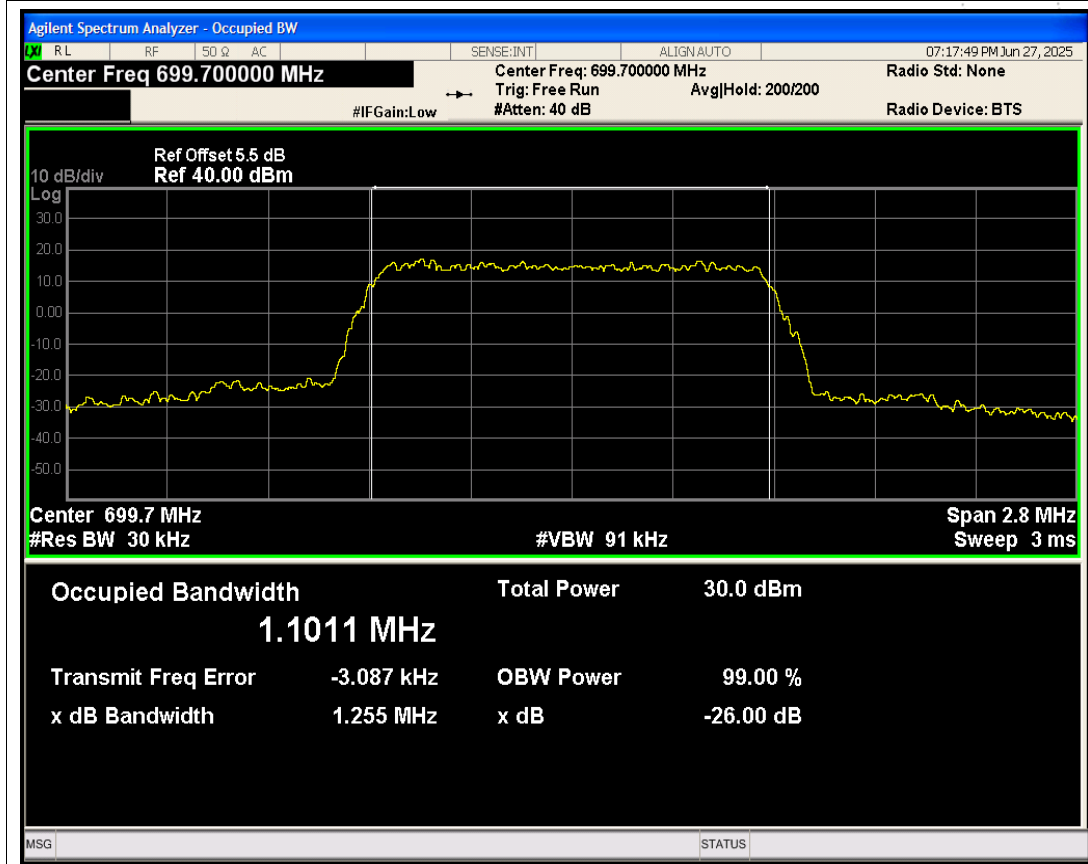


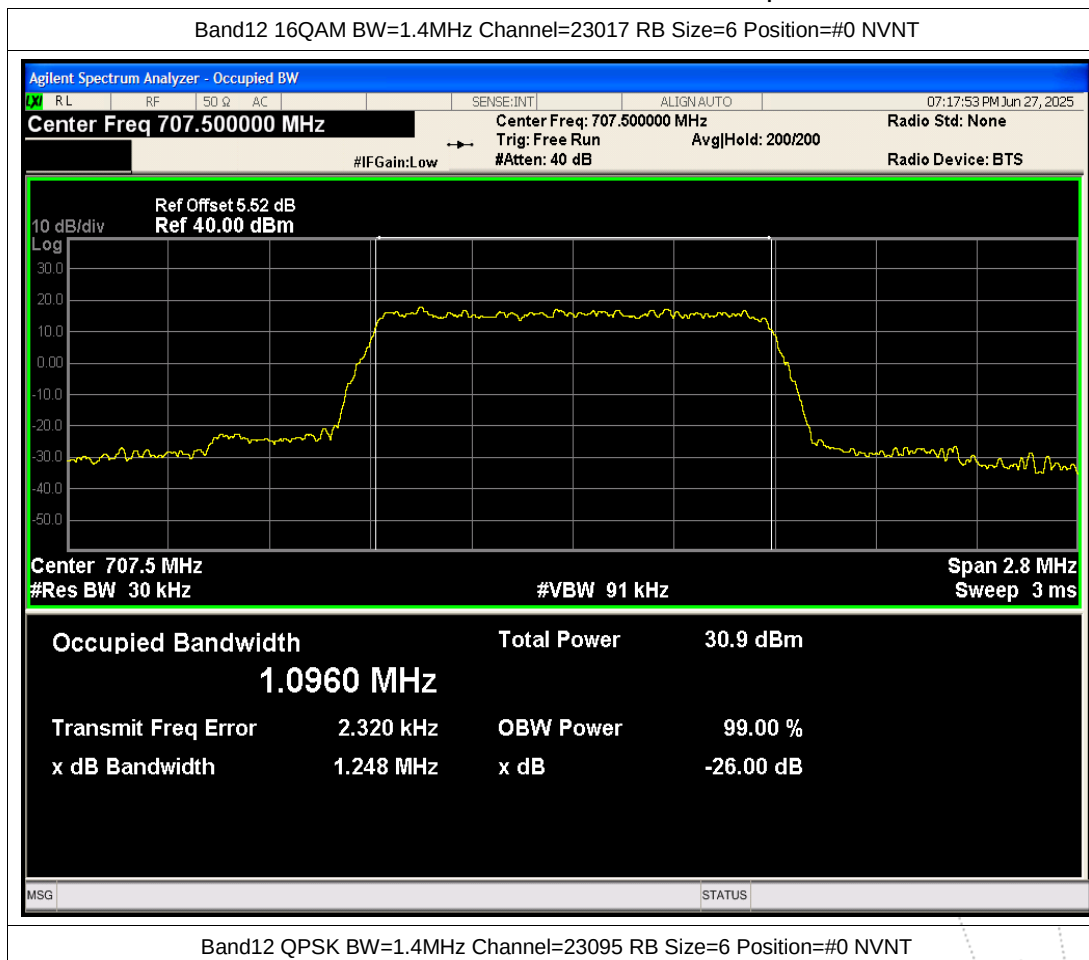
Appendix 4.Occupied bandwidth

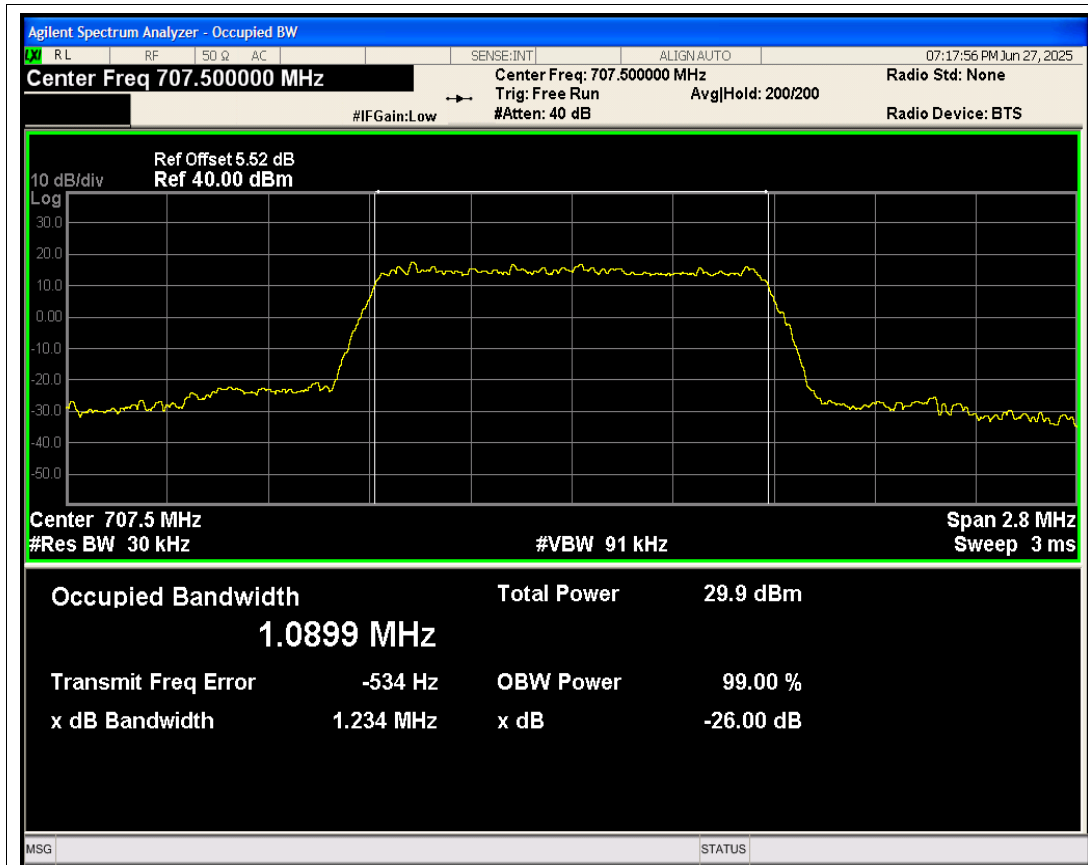
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band12	1.4	23017	6	#0	QPSK	1.089	1.249	PASS
NVNT	Band12	1.4	23017	6	#0	16QAM	1.101	1.255	PASS
NVNT	Band12	1.4	23095	6	#0	QPSK	1.096	1.248	PASS
NVNT	Band12	1.4	23095	6	#0	16QAM	1.090	1.234	PASS
NVNT	Band12	1.4	23173	6	#0	QPSK	1.102	1.244	PASS
NVNT	Band12	1.4	23173	6	#0	16QAM	1.101	1.250	PASS
NVNT	Band12	3	23025	15	#0	QPSK	2.704	3.035	PASS
NVNT	Band12	3	23025	15	#0	16QAM	2.713	3.051	PASS
NVNT	Band12	3	23095	15	#0	QPSK	2.712	3.033	PASS
NVNT	Band12	3	23095	15	#0	16QAM	2.714	3.037	PASS
NVNT	Band12	3	23165	15	#0	QPSK	2.720	3.035	PASS
NVNT	Band12	3	23165	15	#0	16QAM	2.710	3.044	PASS
NVNT	Band12	5	23035	25	#0	QPSK	4.520	4.958	PASS
NVNT	Band12	5	23035	25	#0	16QAM	4.518	4.941	PASS
NVNT	Band12	5	23095	25	#0	QPSK	4.526	4.929	PASS
NVNT	Band12	5	23095	25	#0	16QAM	4.501	4.955	PASS
NVNT	Band12	5	23155	25	#0	QPSK	4.500	4.943	PASS
NVNT	Band12	5	23155	25	#0	16QAM	4.506	4.958	PASS
NVNT	Band12	10	23060	50	#0	QPSK	8.978	9.878	PASS
NVNT	Band12	10	23060	50	#0	16QAM	8.978	9.891	PASS
NVNT	Band12	10	23095	50	#0	QPSK	8.992	9.755	PASS
NVNT	Band12	10	23095	50	#0	16QAM	8.992	9.866	PASS
NVNT	Band12	10	23130	50	#0	QPSK	9.005	9.773	PASS
NVNT	Band12	10	23130	50	#0	16QAM	8.978	9.840	PASS



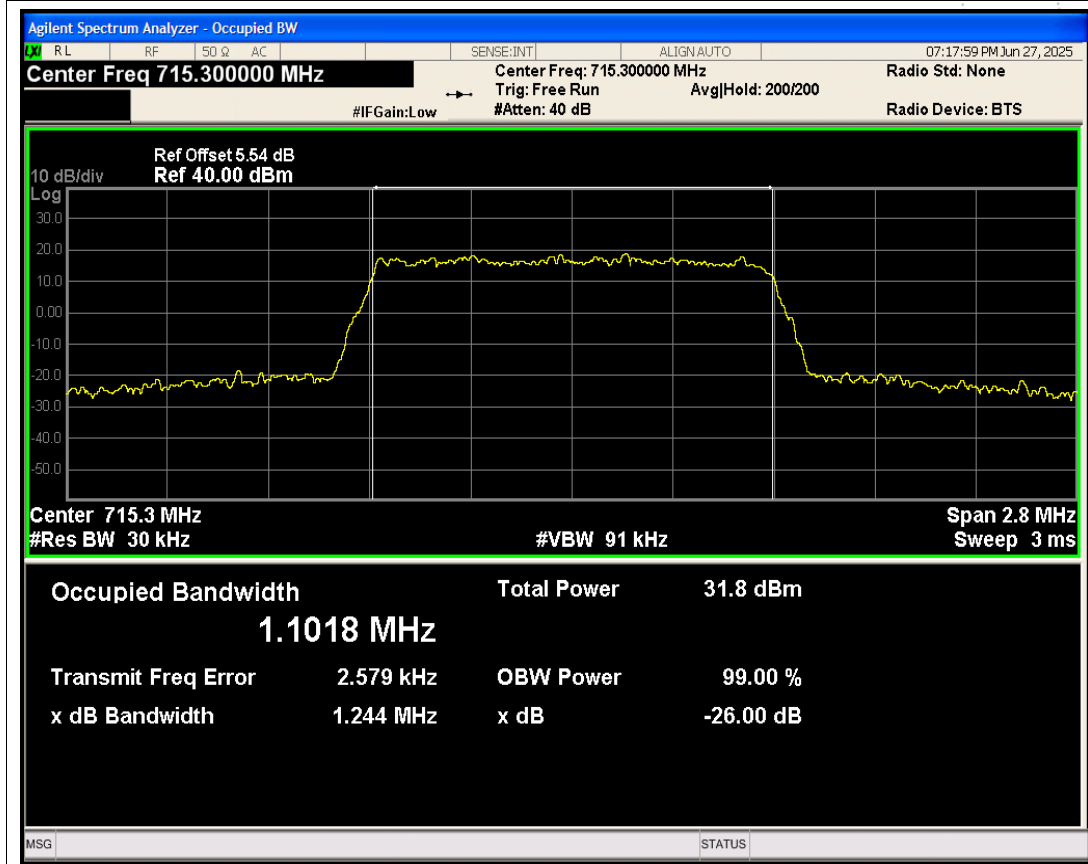
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

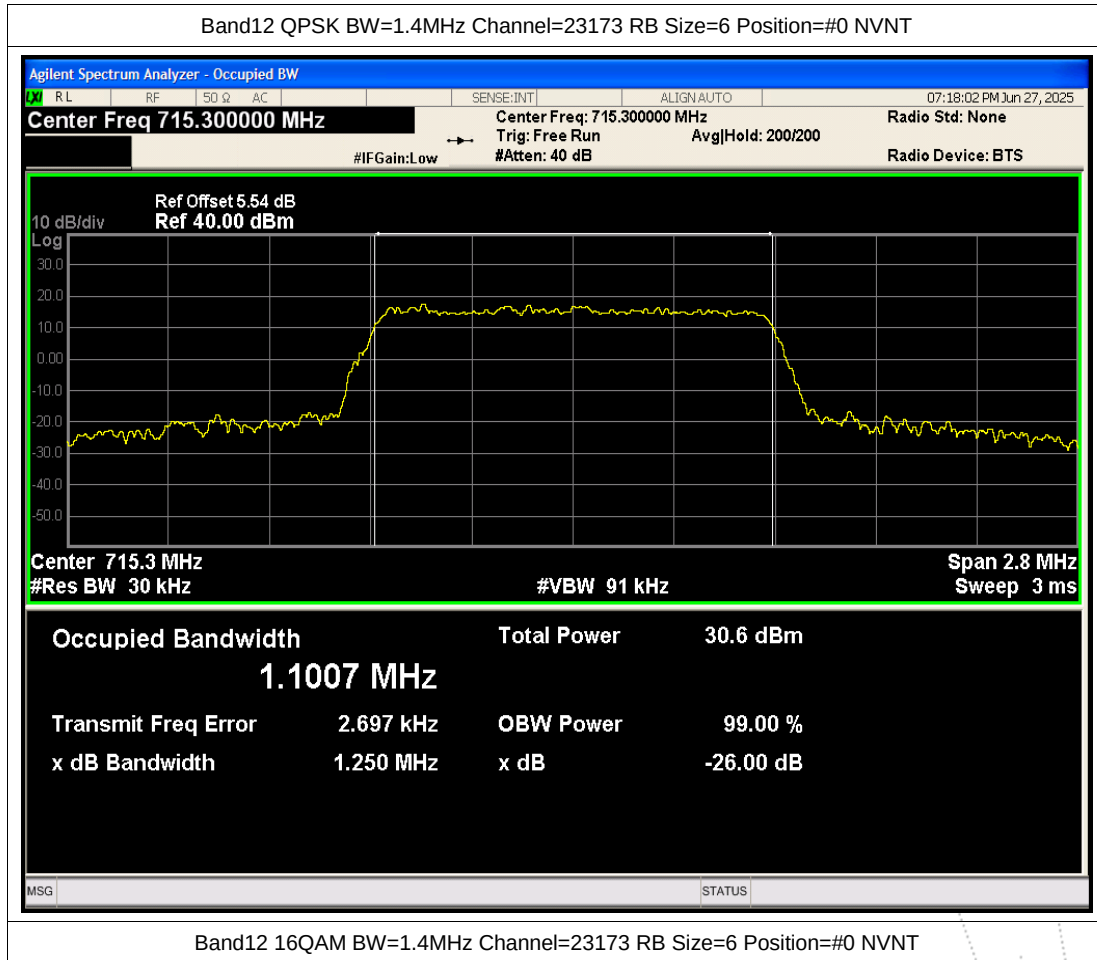


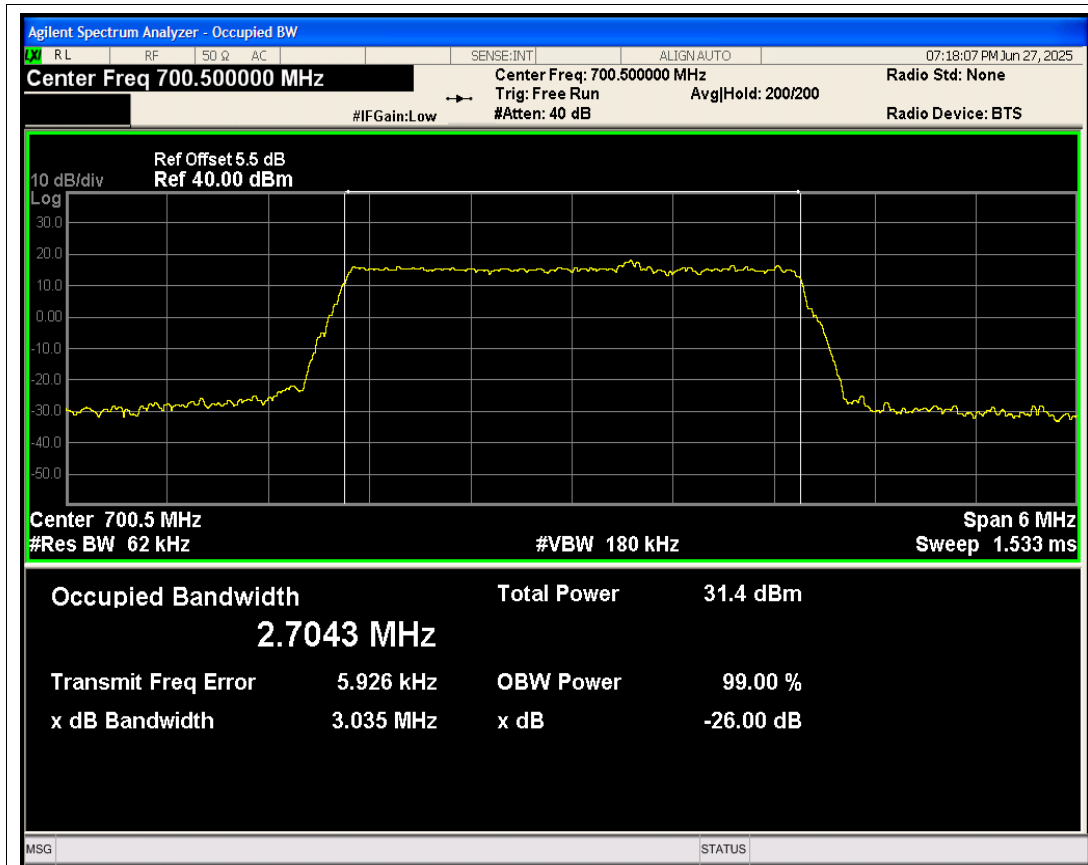




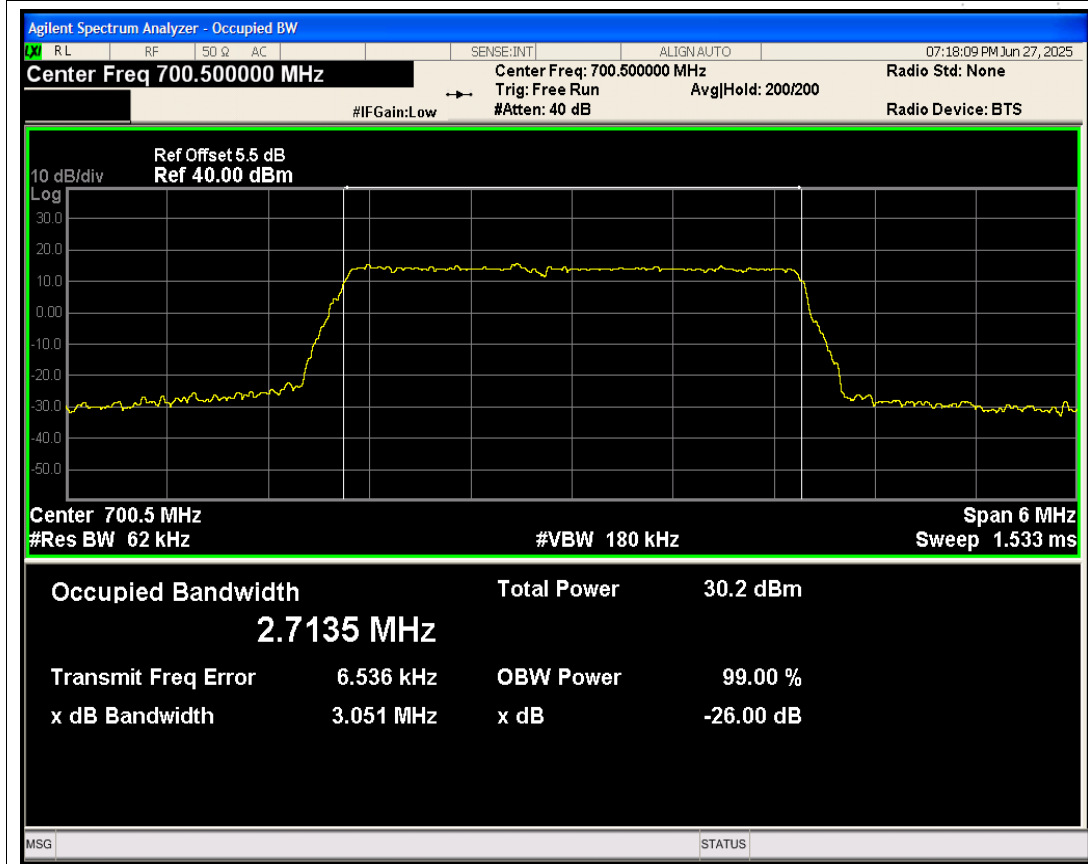
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT

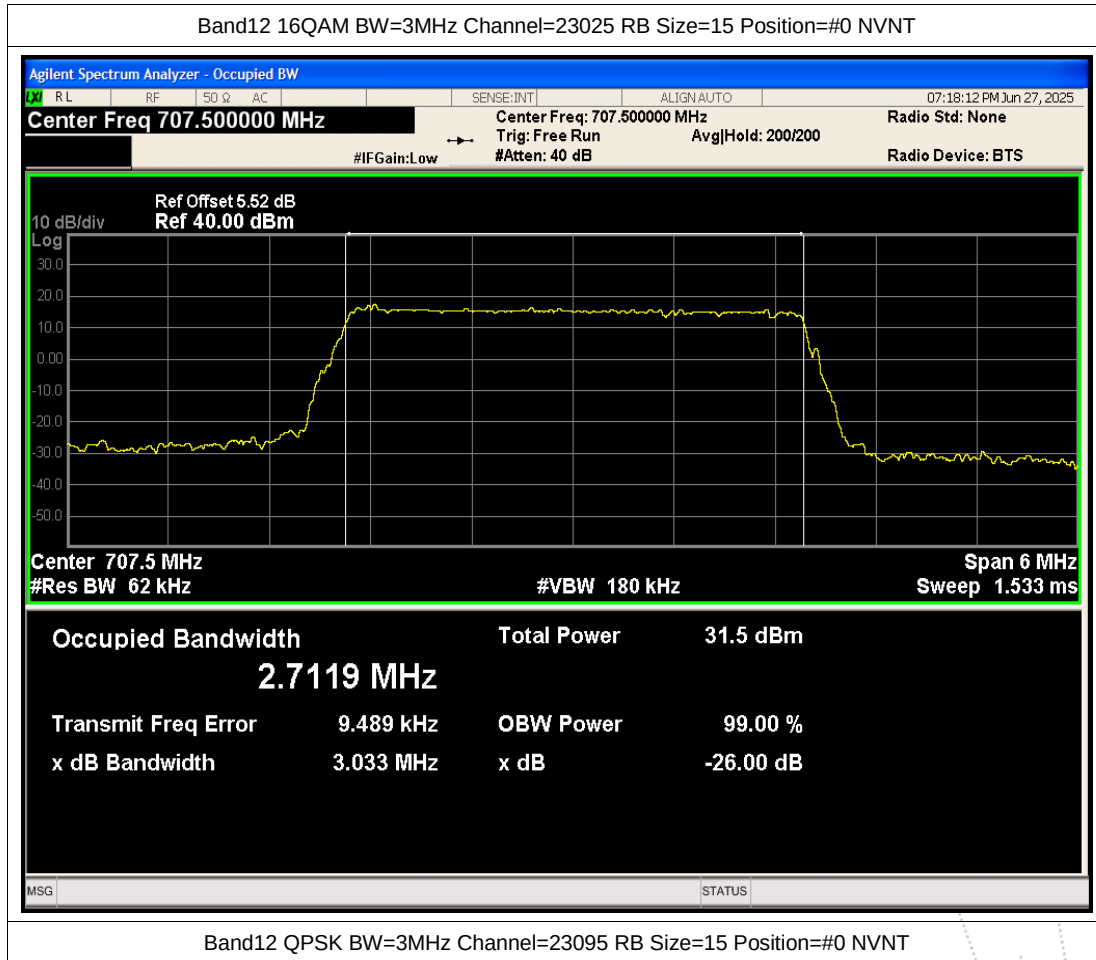


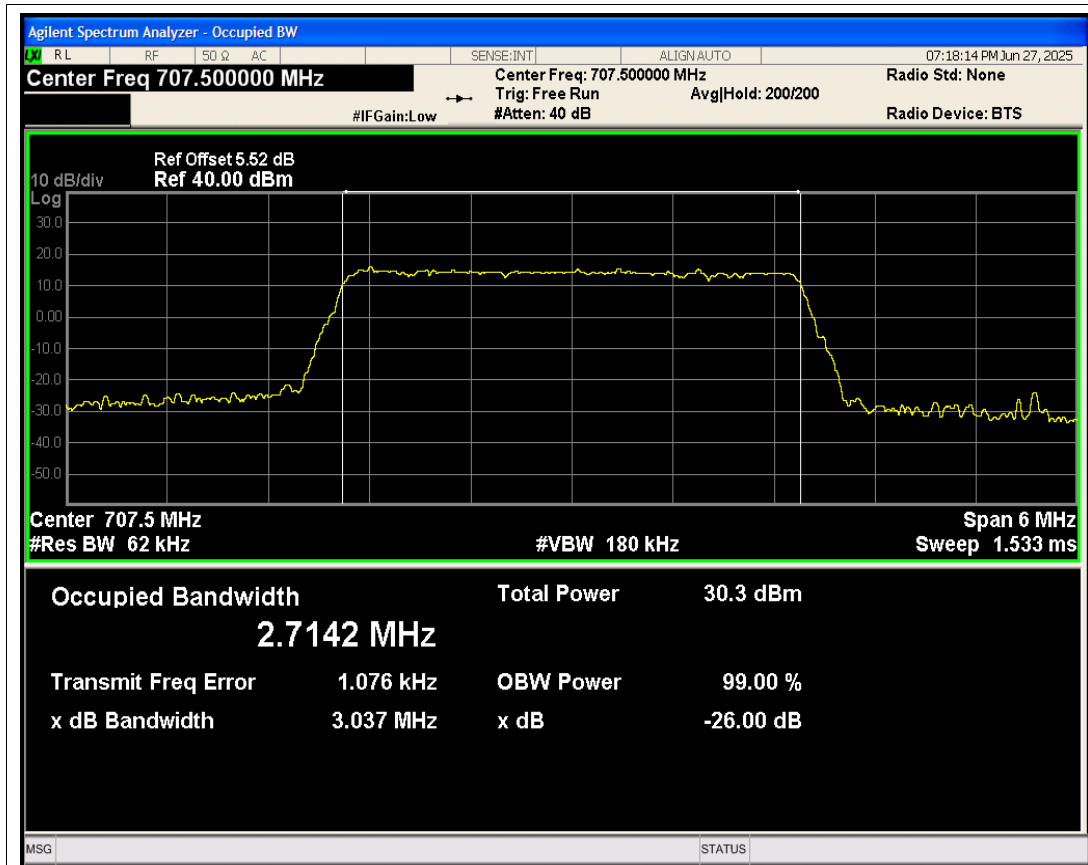




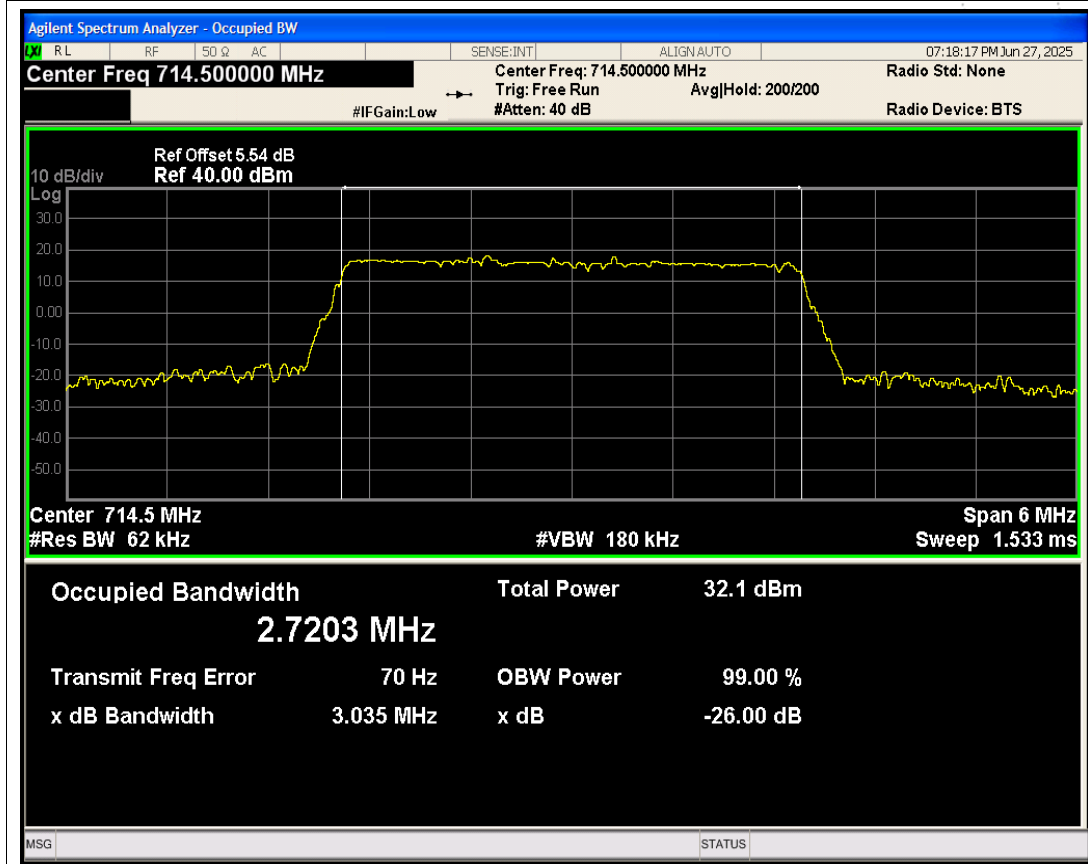
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT





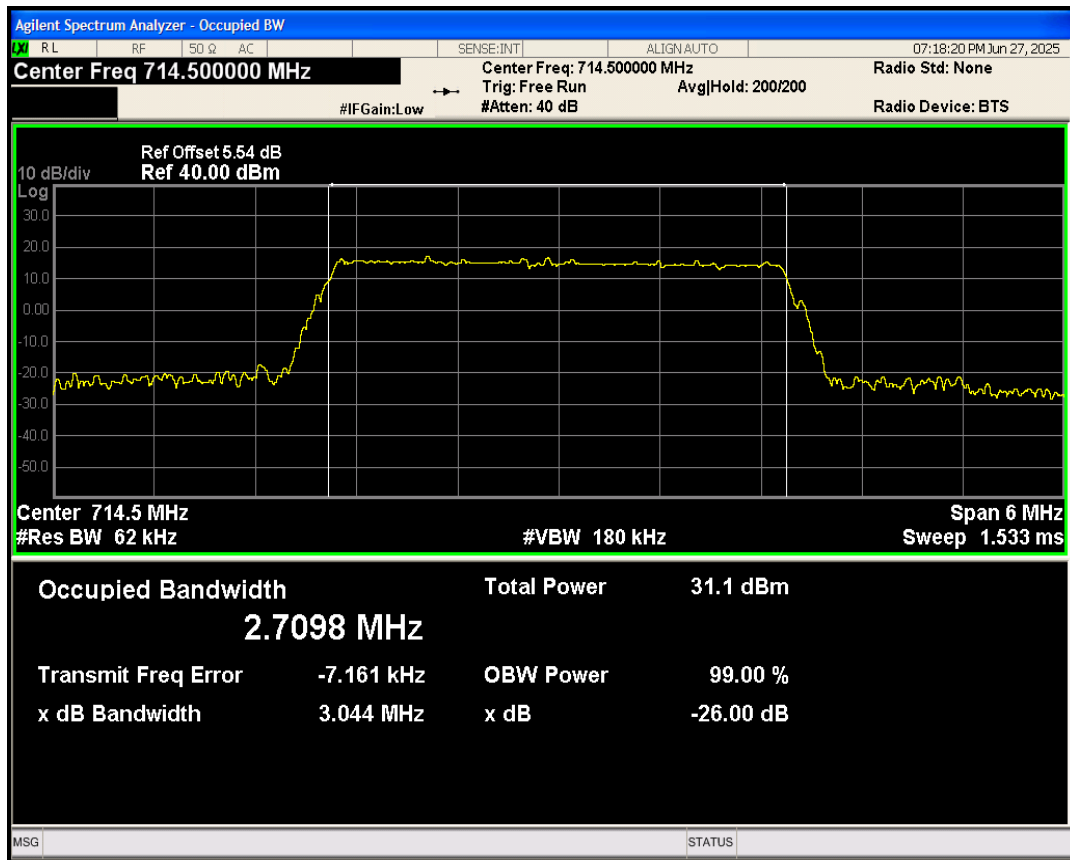


Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT

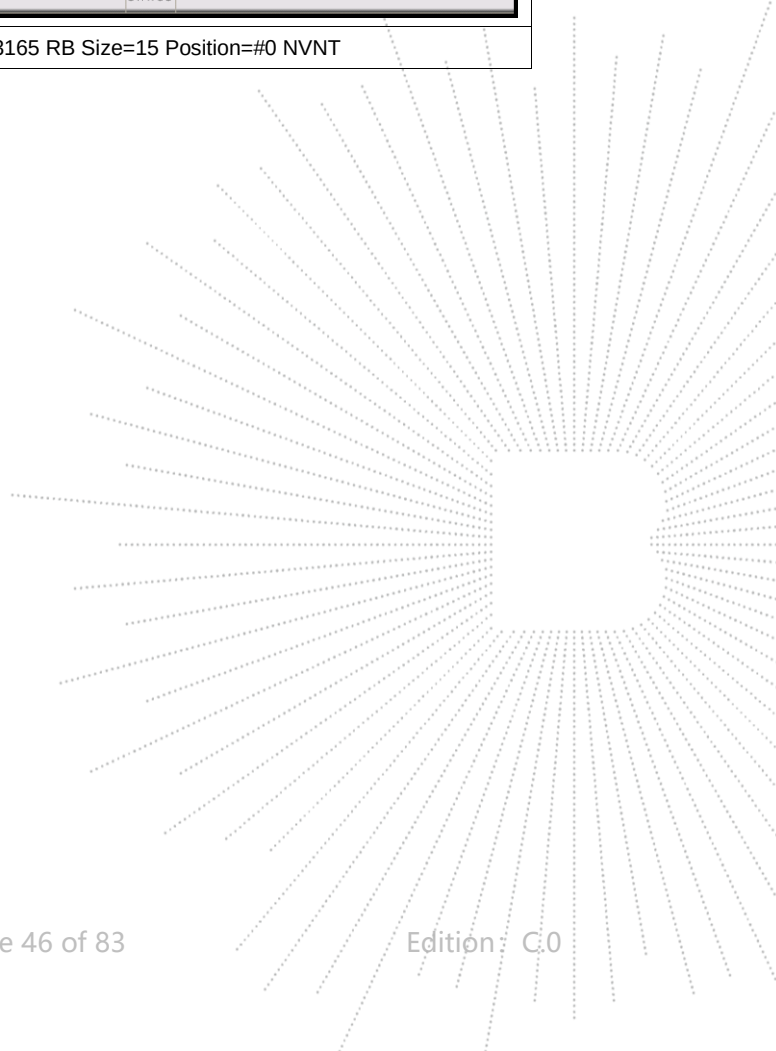


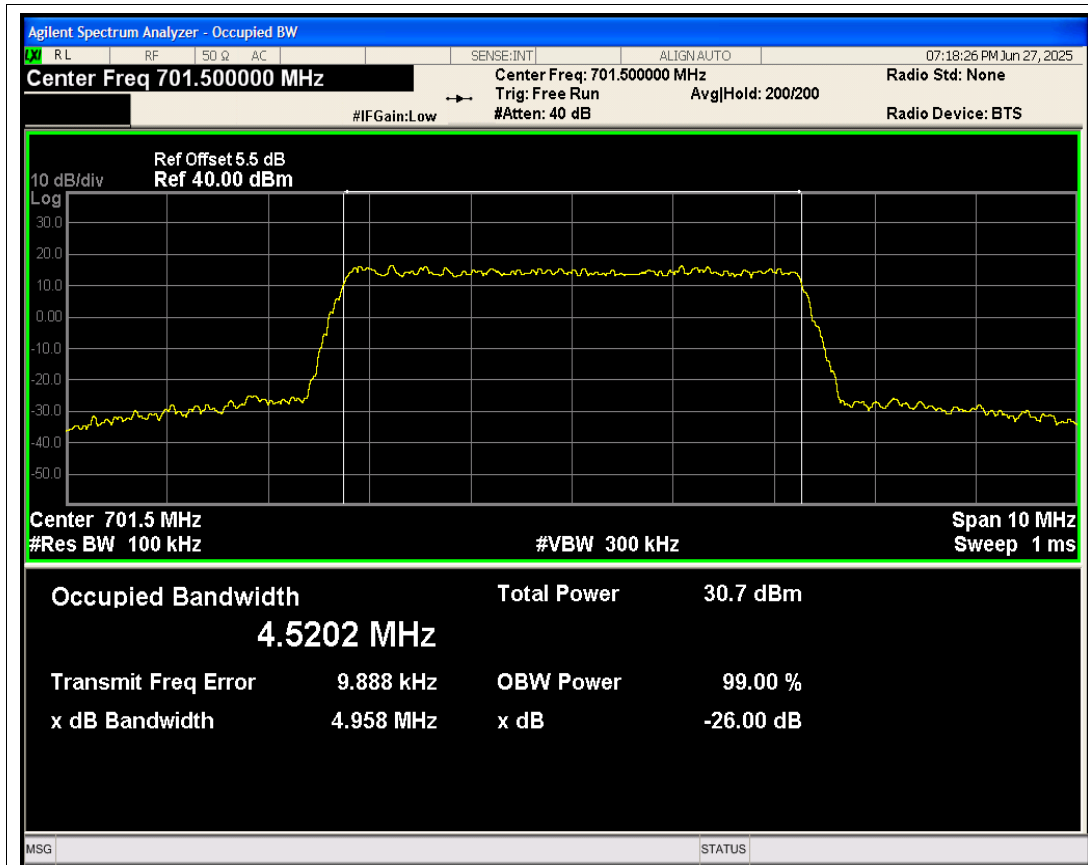


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT

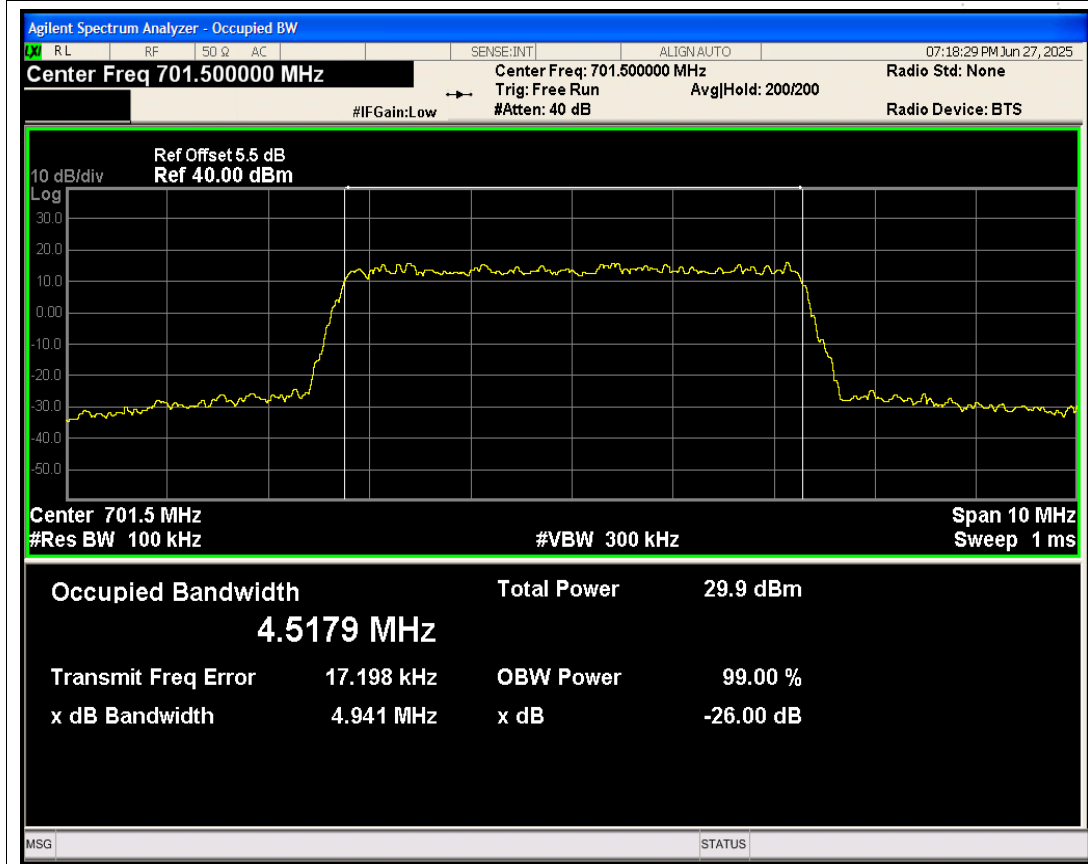


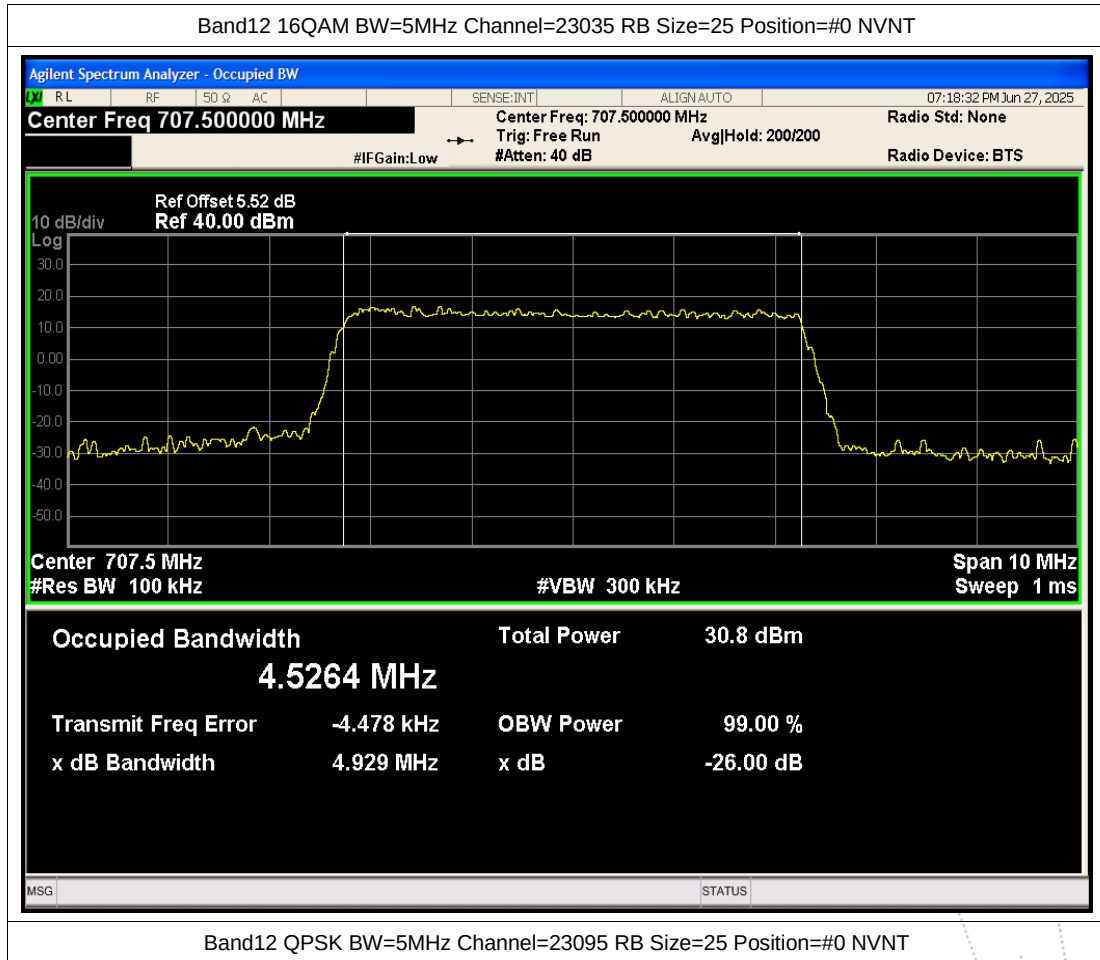
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT

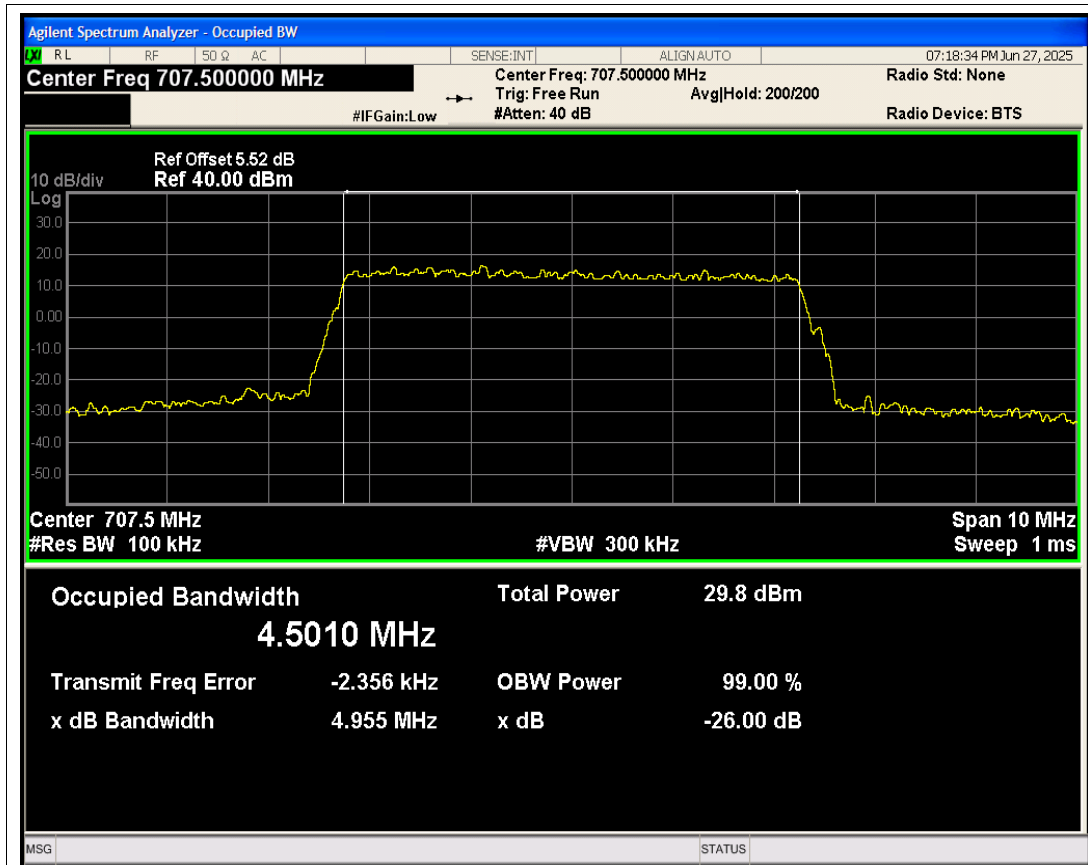




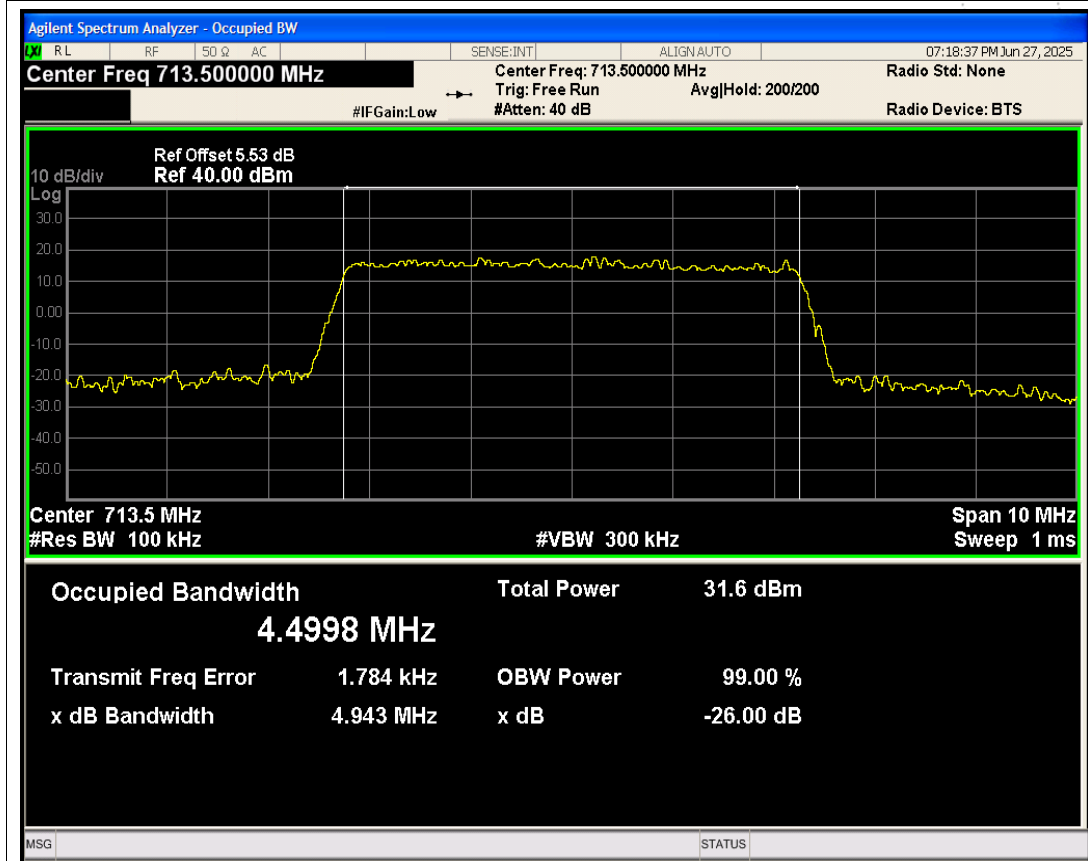
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT





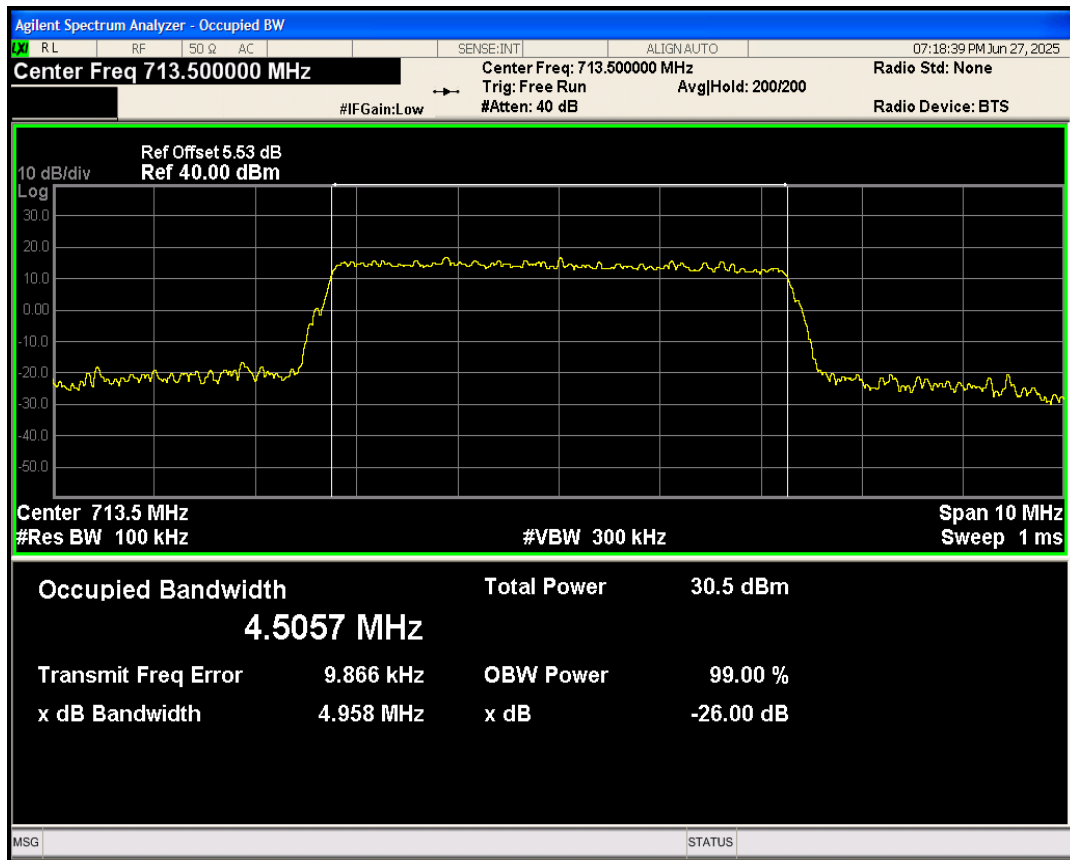


Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT

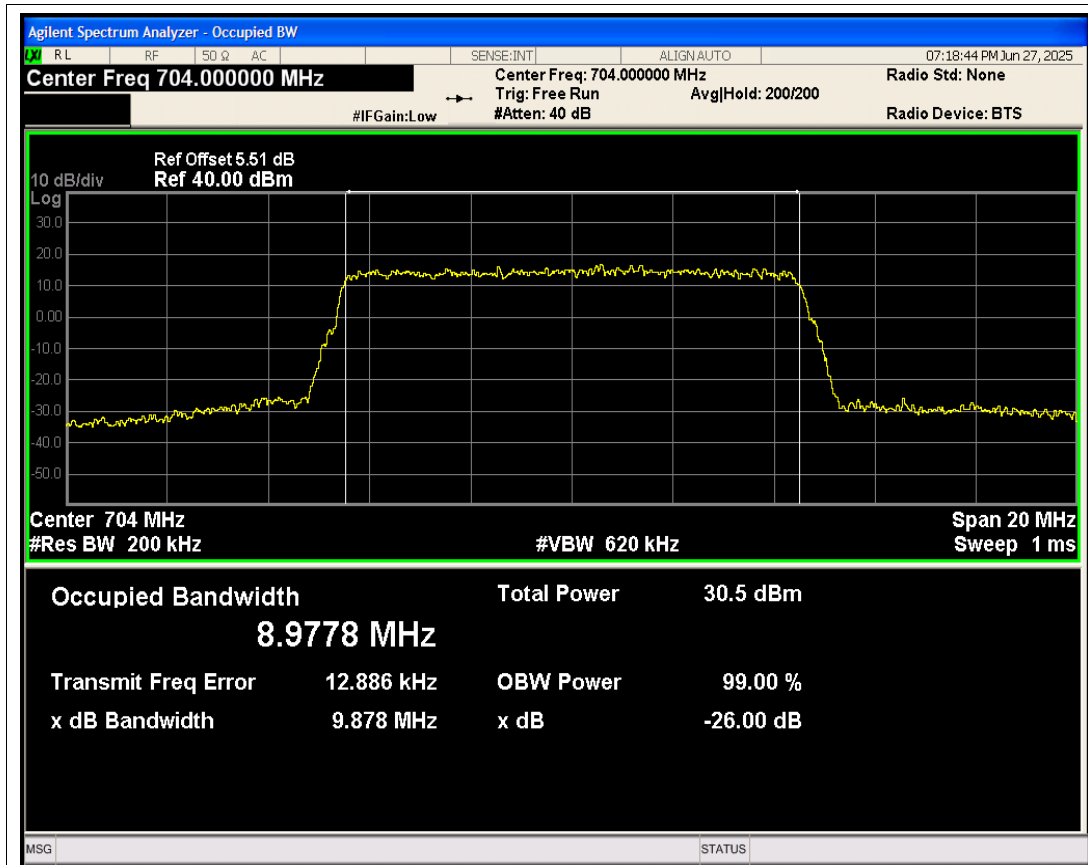




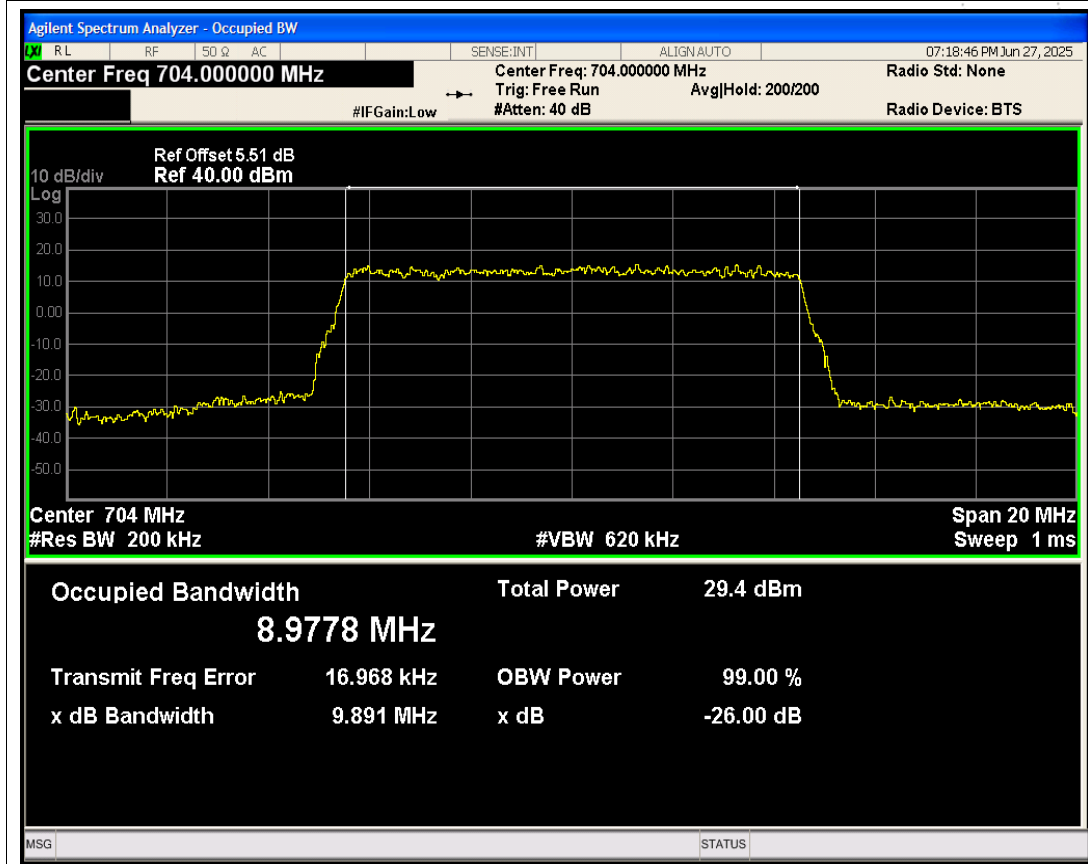
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT

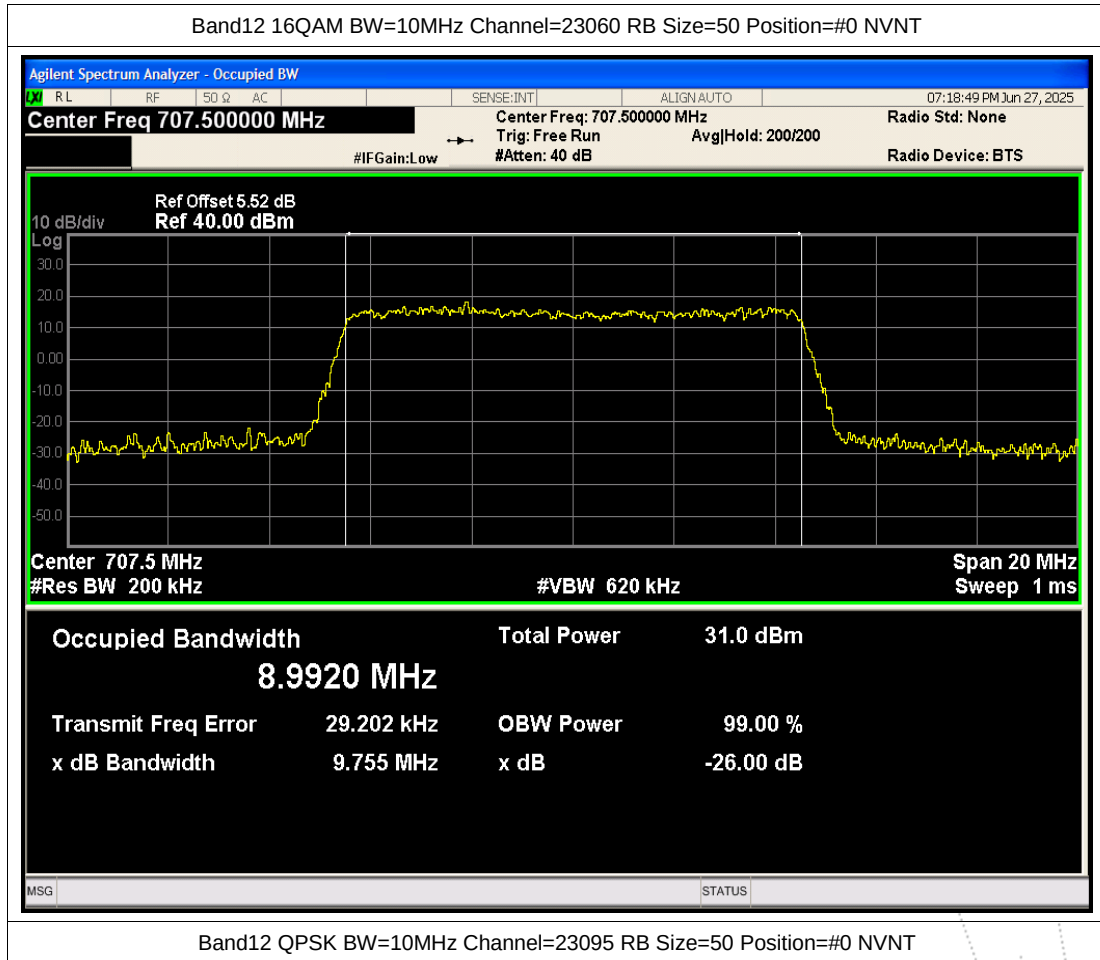


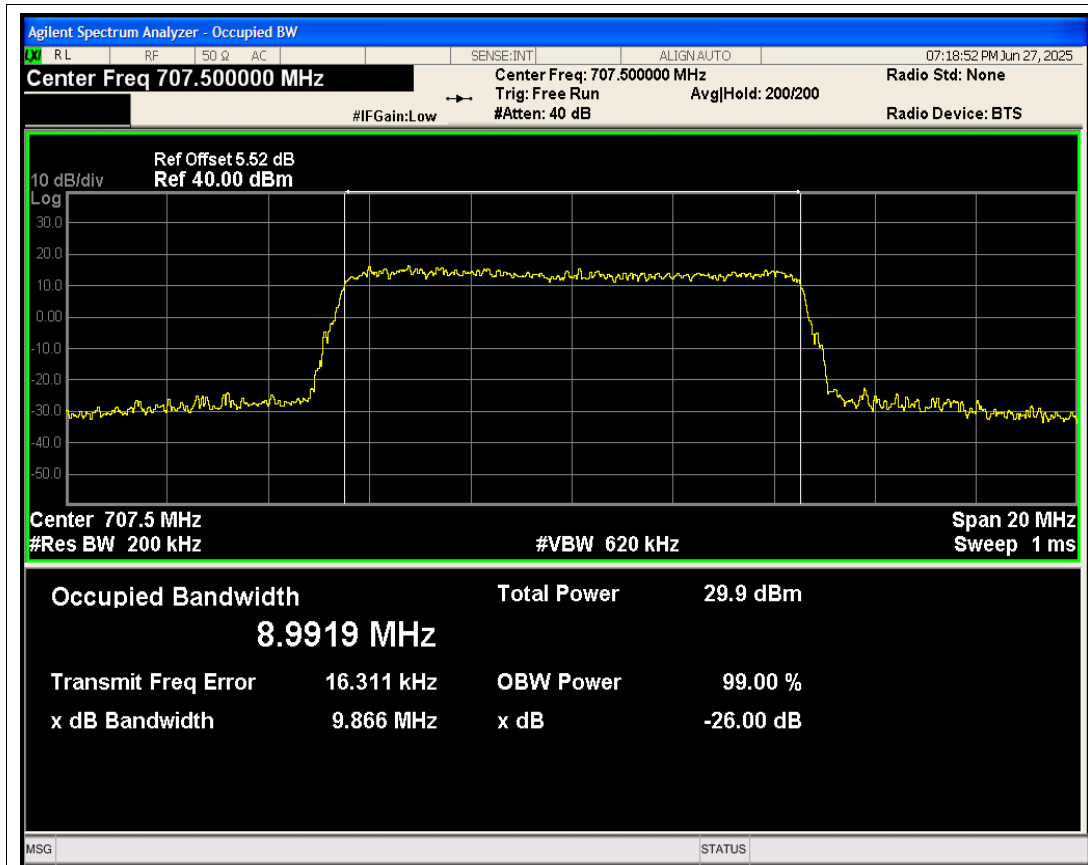
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



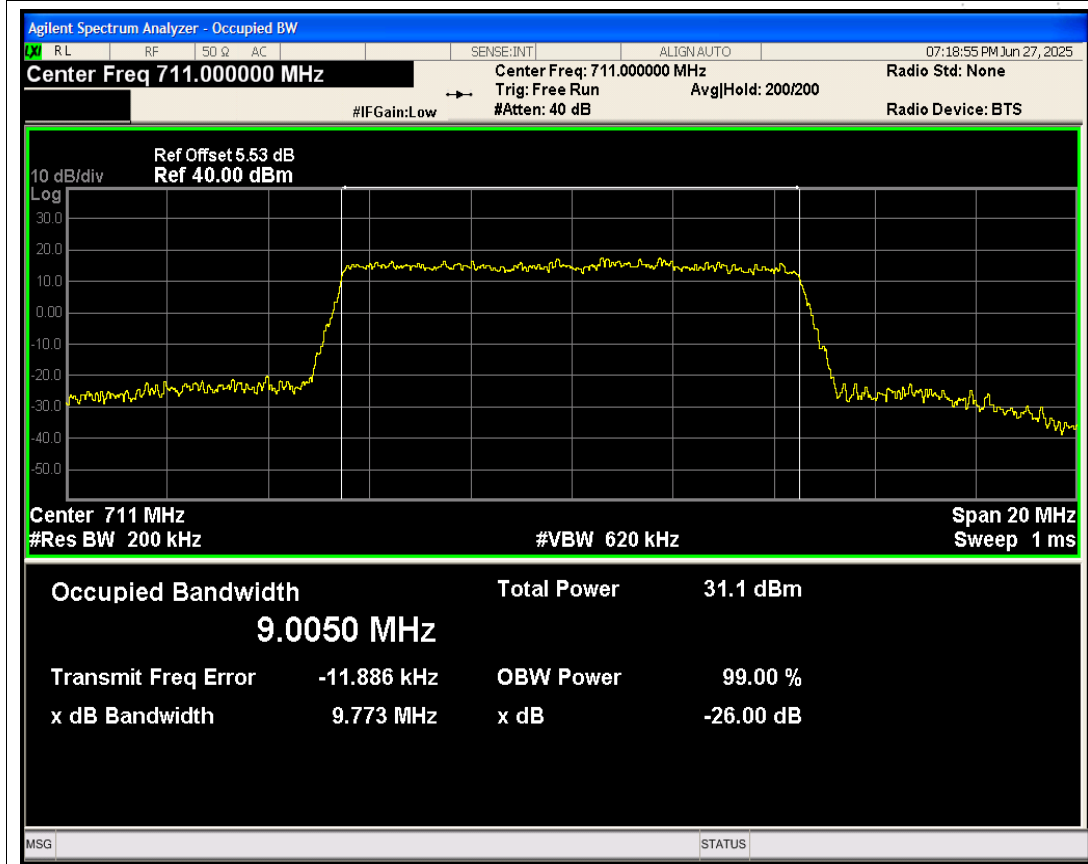
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

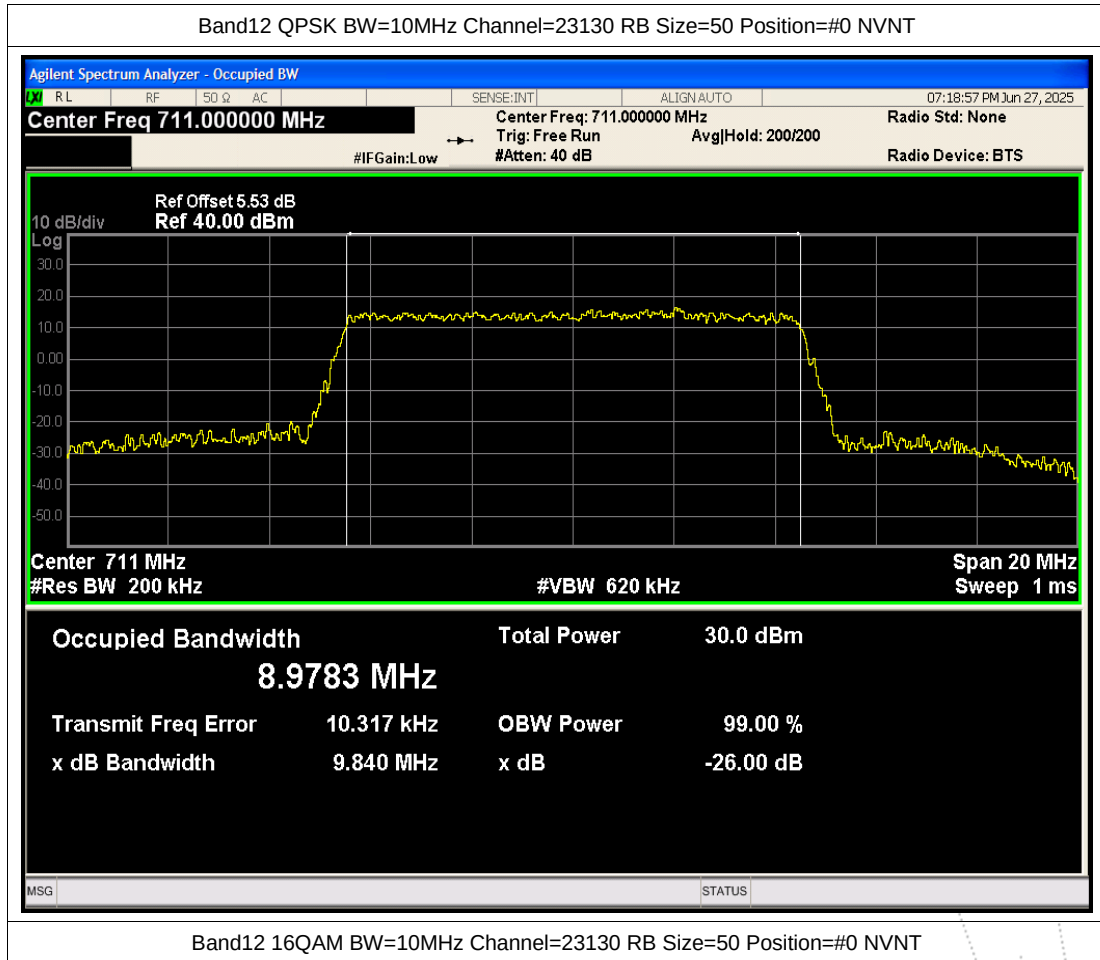






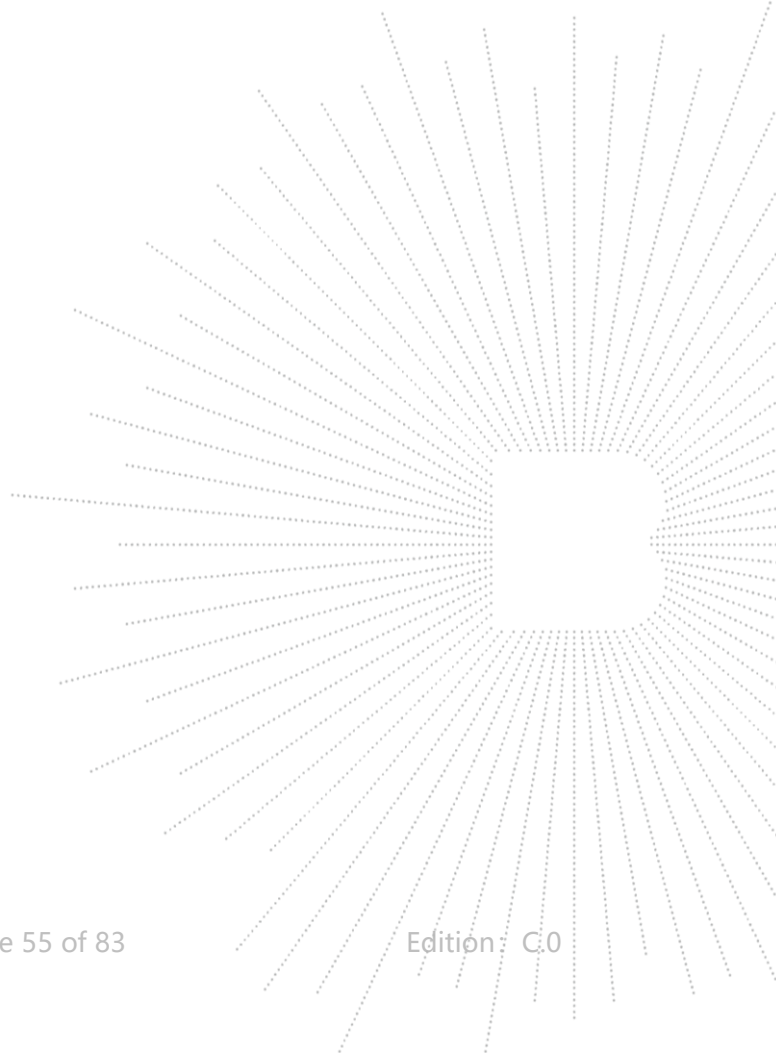
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT

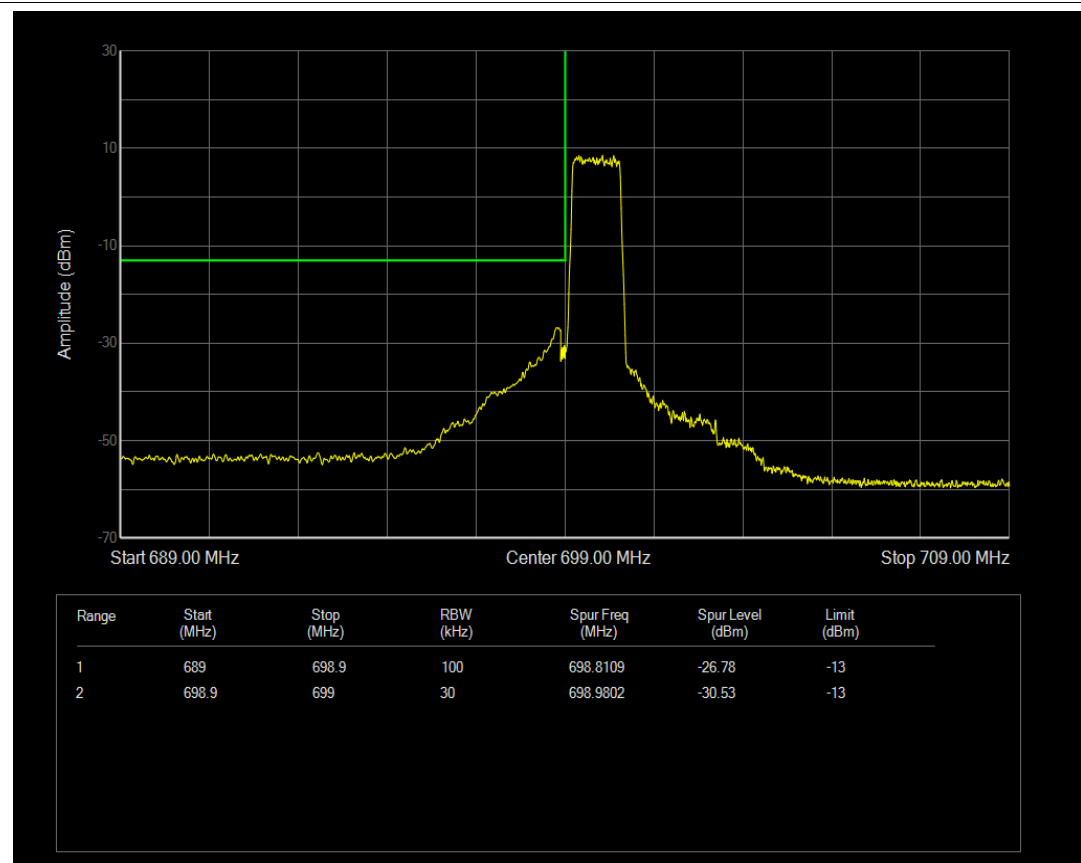




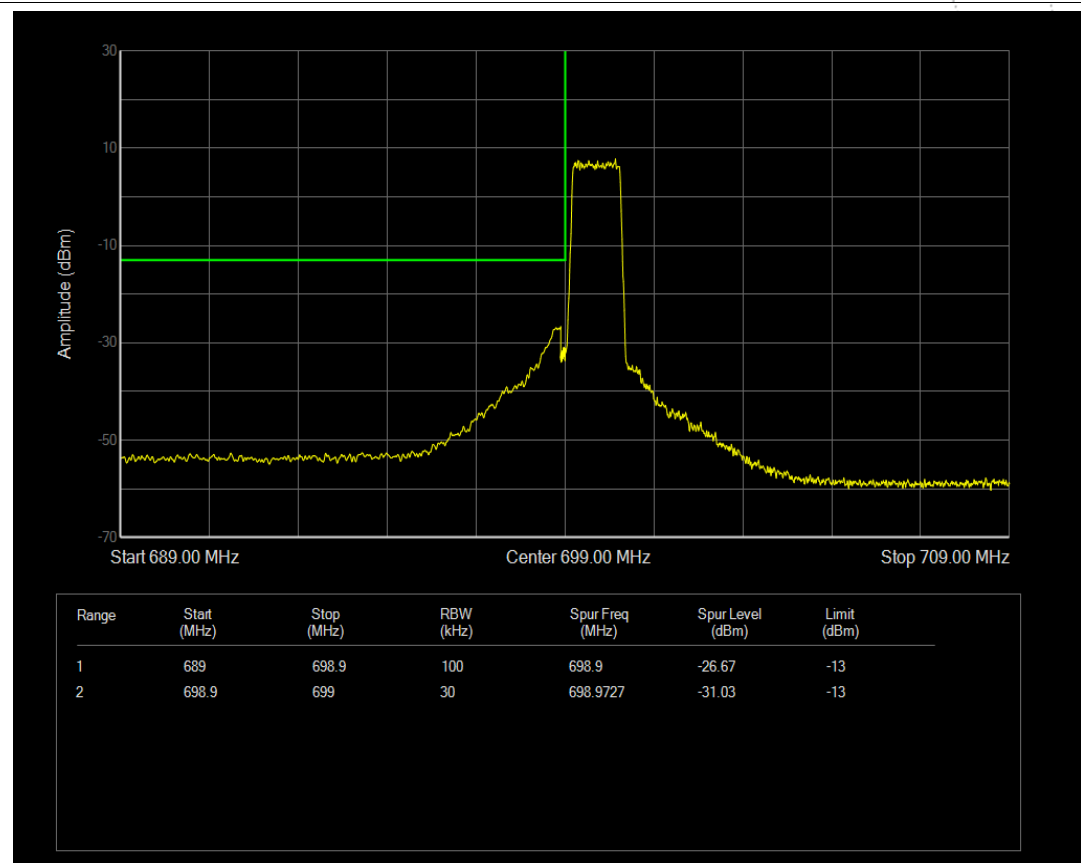
Appendix 5.Band edge

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	698.81	-26.78	-13	PASS
NVNT	Band12	1.4	23017	6	#0	16QAM	698.90	-26.67	-13	PASS
NVNT	Band12	1.4	23173	6	#0	QPSK	716.12	-22.70	-13	PASS
NVNT	Band12	1.4	23173	6	#0	16QAM	716.15	-28.50	-13	PASS
NVNT	Band12	3	23025	15	#0	QPSK	699.00	-22.98	-13	PASS
NVNT	Band12	3	23025	15	#0	16QAM	699.00	-24.38	-13	PASS
NVNT	Band12	3	23165	15	#0	QPSK	716.00	-23.38	-13	PASS
NVNT	Band12	3	23165	15	#0	16QAM	716.01	-24.86	-13	PASS
NVNT	Band12	5	23035	25	#0	QPSK	699.00	-32.23	-13	PASS
NVNT	Band12	5	23035	25	#0	16QAM	698.99	-32.71	-13	PASS
NVNT	Band12	5	23155	25	#0	QPSK	716.11	-30.42	-13	PASS
NVNT	Band12	5	23155	25	#0	16QAM	716.69	-32.03	-13	PASS
NVNT	Band12	10	23060	50	#0	QPSK	698.90	-36.73	-13	PASS
NVNT	Band12	10	23060	50	#0	16QAM	698.90	-37.01	-13	PASS
NVNT	Band12	10	23130	50	#0	QPSK	716.11	-36.89	-13	PASS
NVNT	Band12	10	23130	50	#0	16QAM	716.79	-37.62	-13	PASS



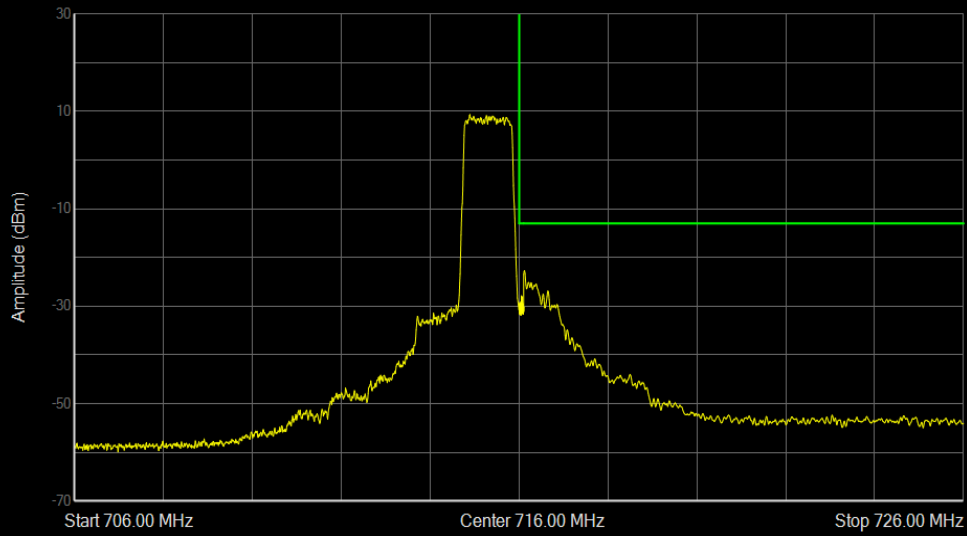


Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT



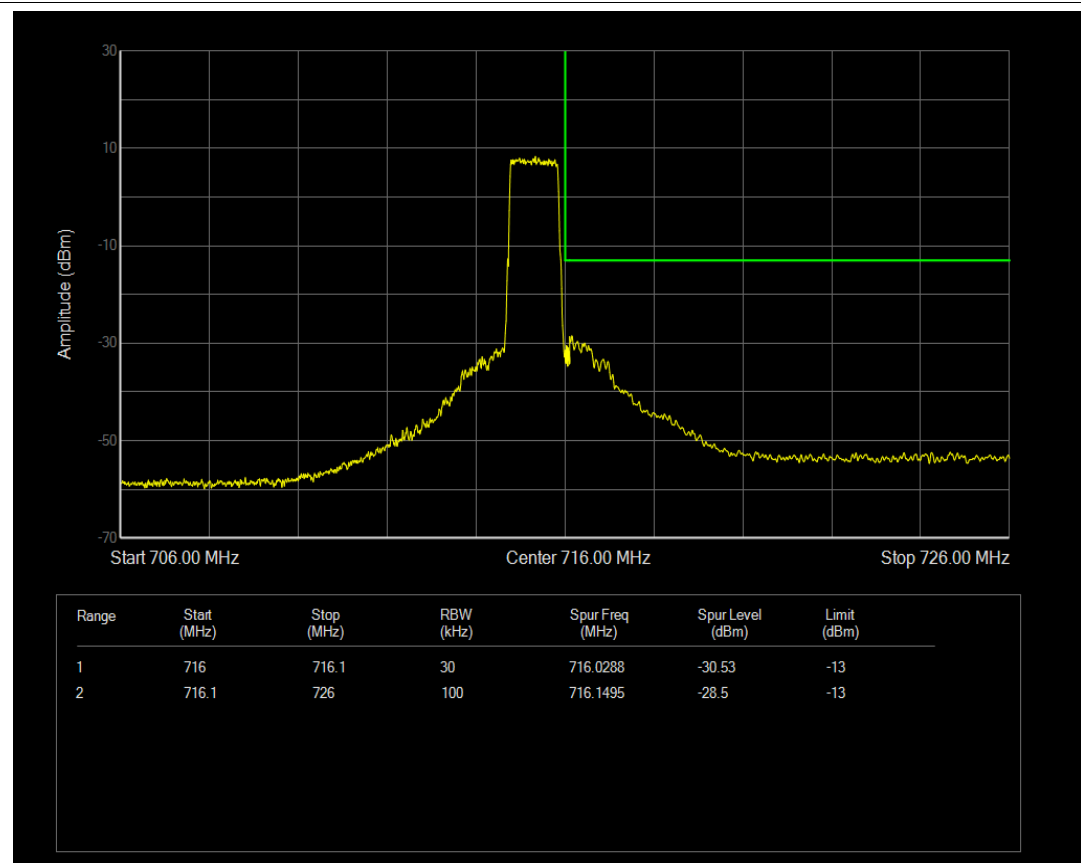


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

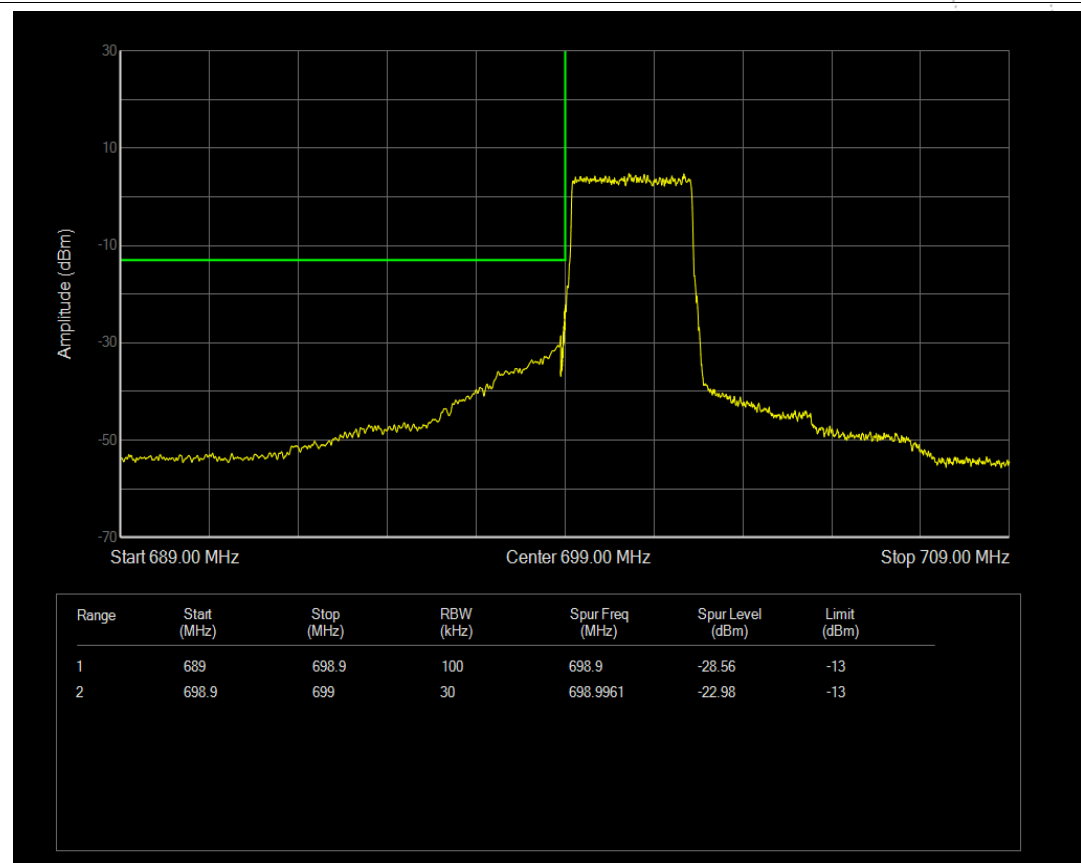


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0531	-27.89	-13
2	716.1	726	100	716.1198	-22.7	-13

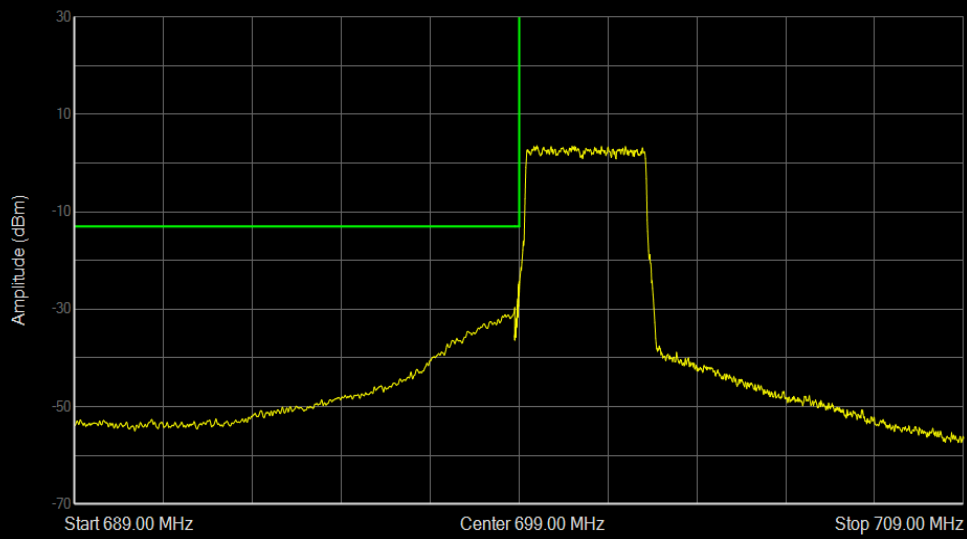
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



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

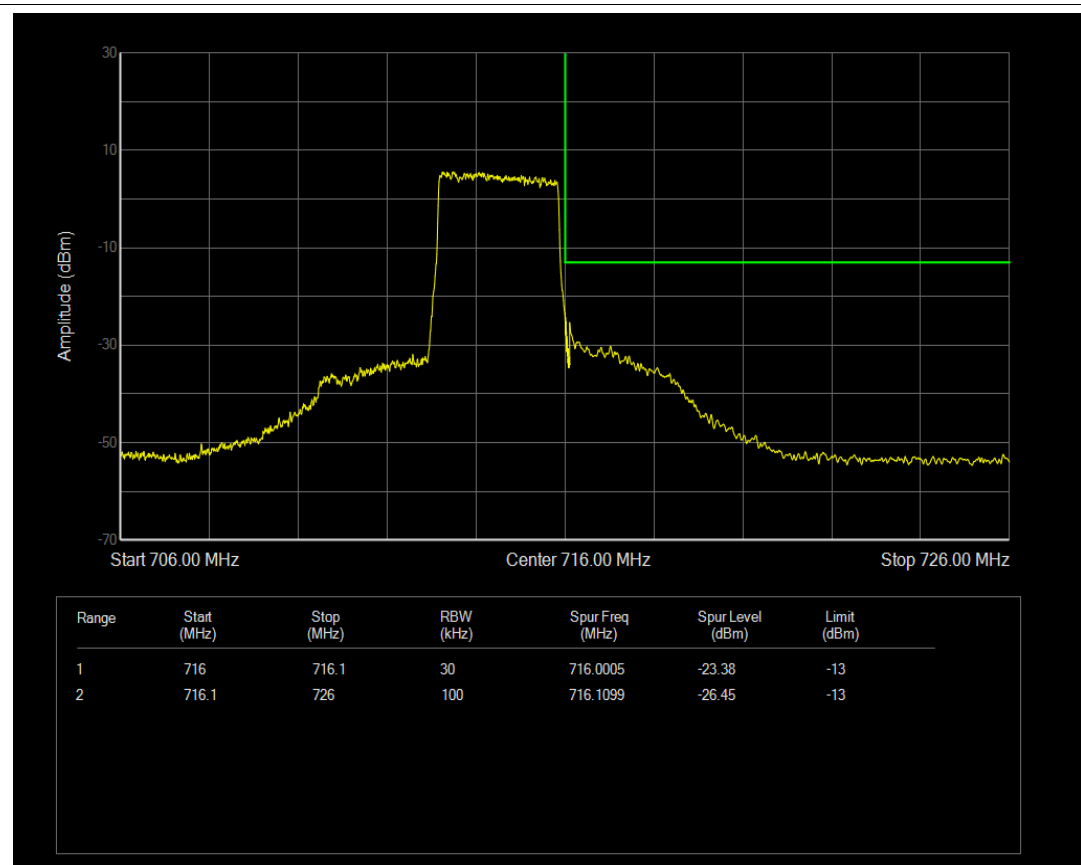


Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

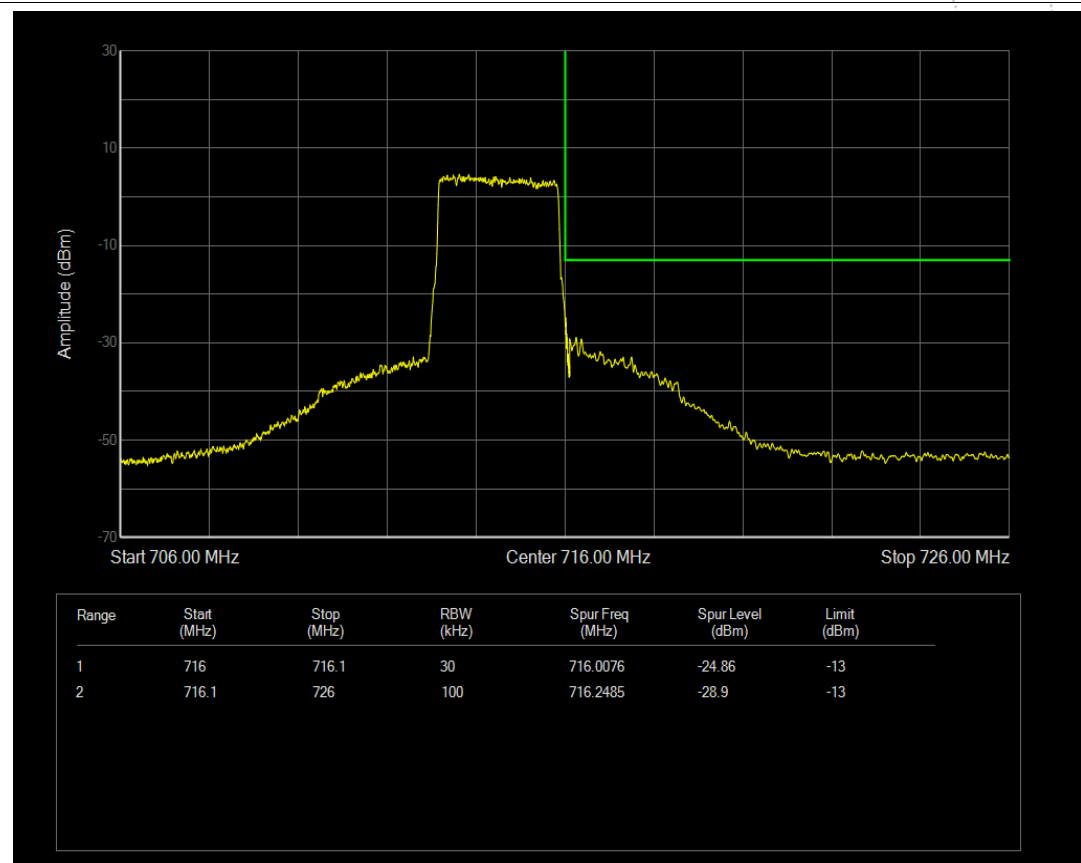


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-29.64	-13
2	698.9	699	30	698.9977	-24.38	-13

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

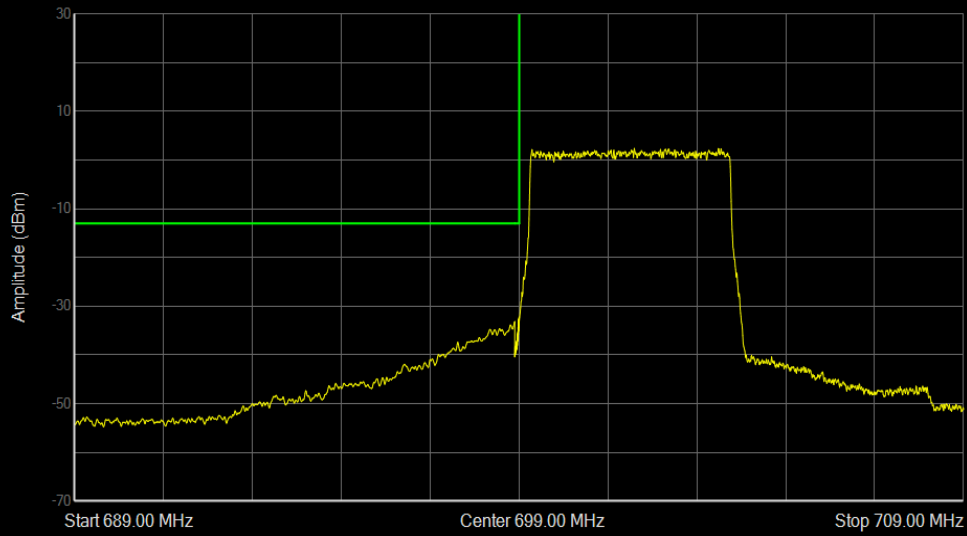


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



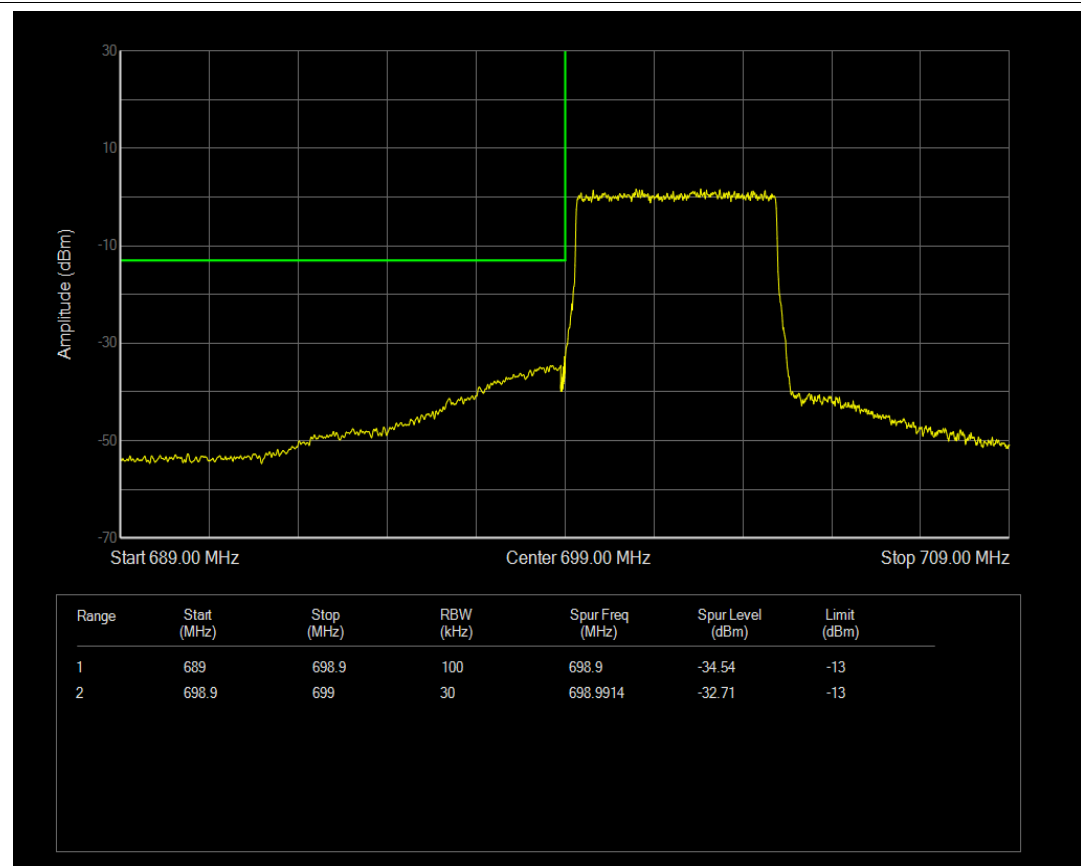


Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT

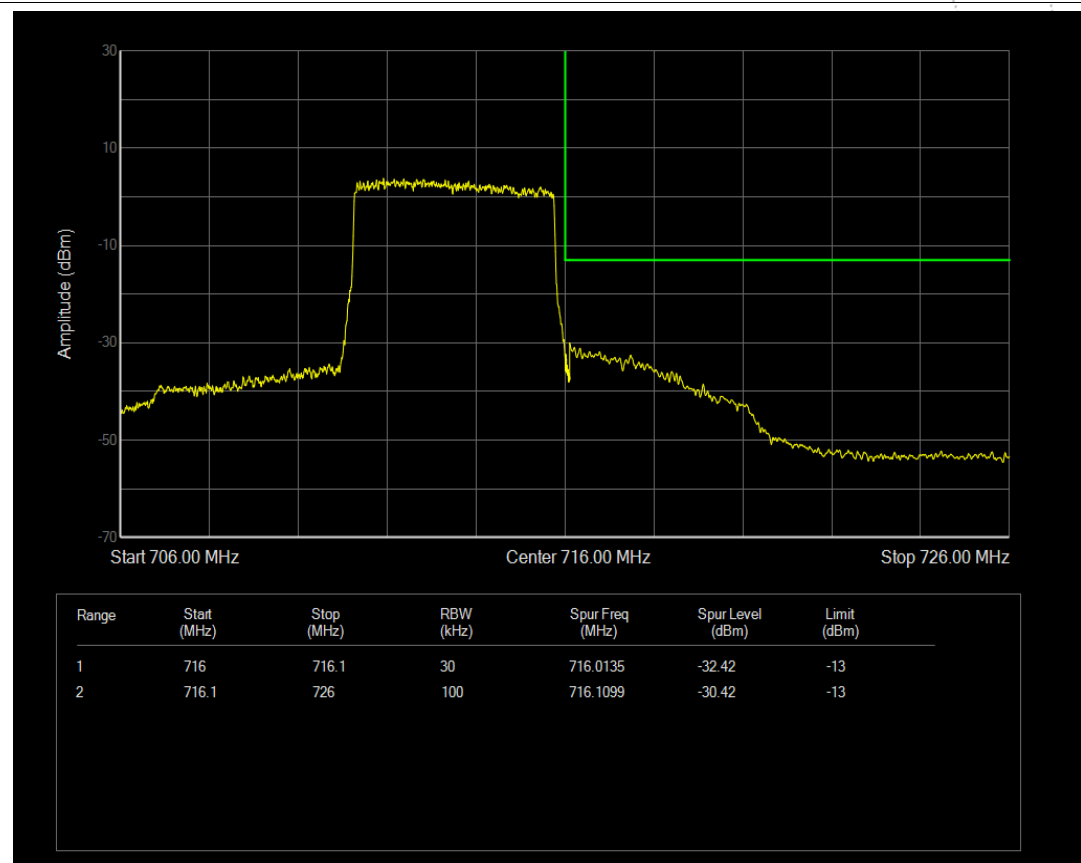


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-33.14	-13
2	698.9	699	30	698.9984	-32.23	-13

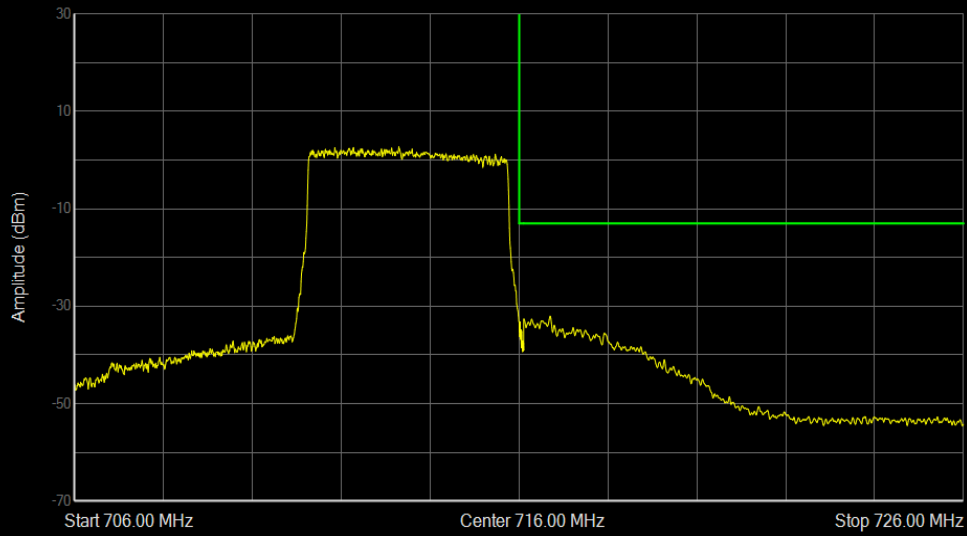
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



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

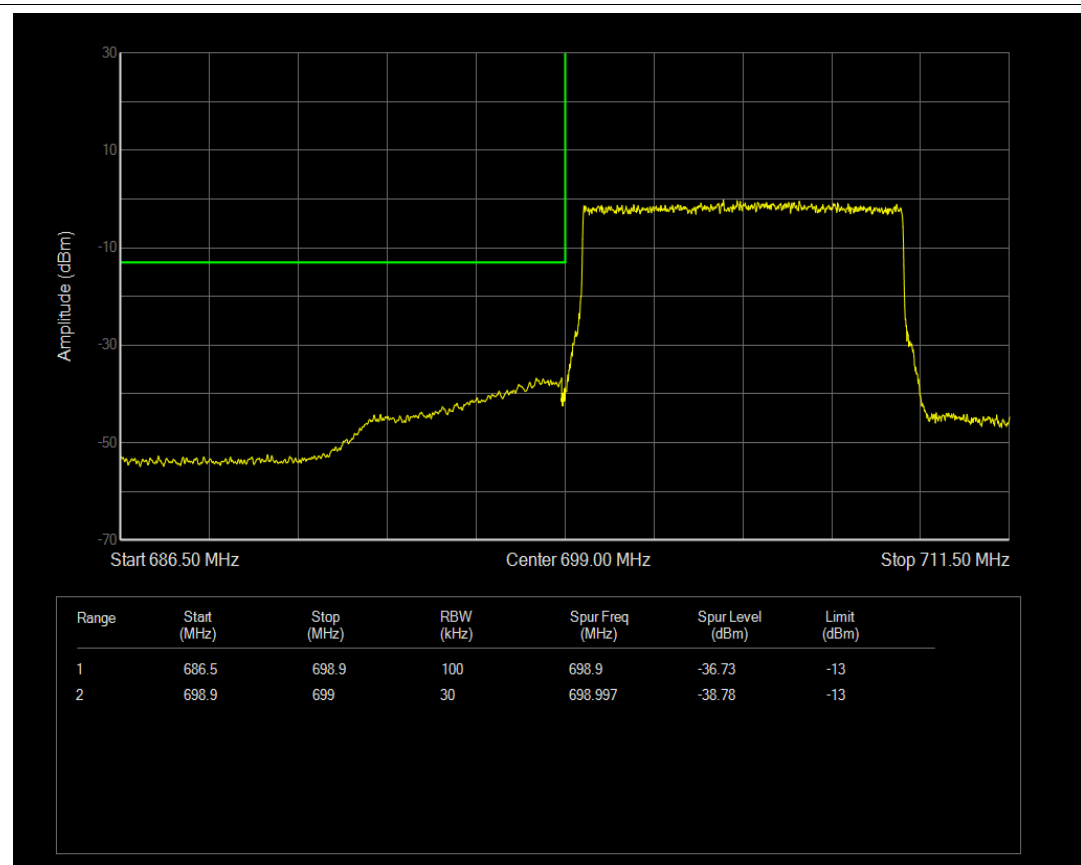


Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT

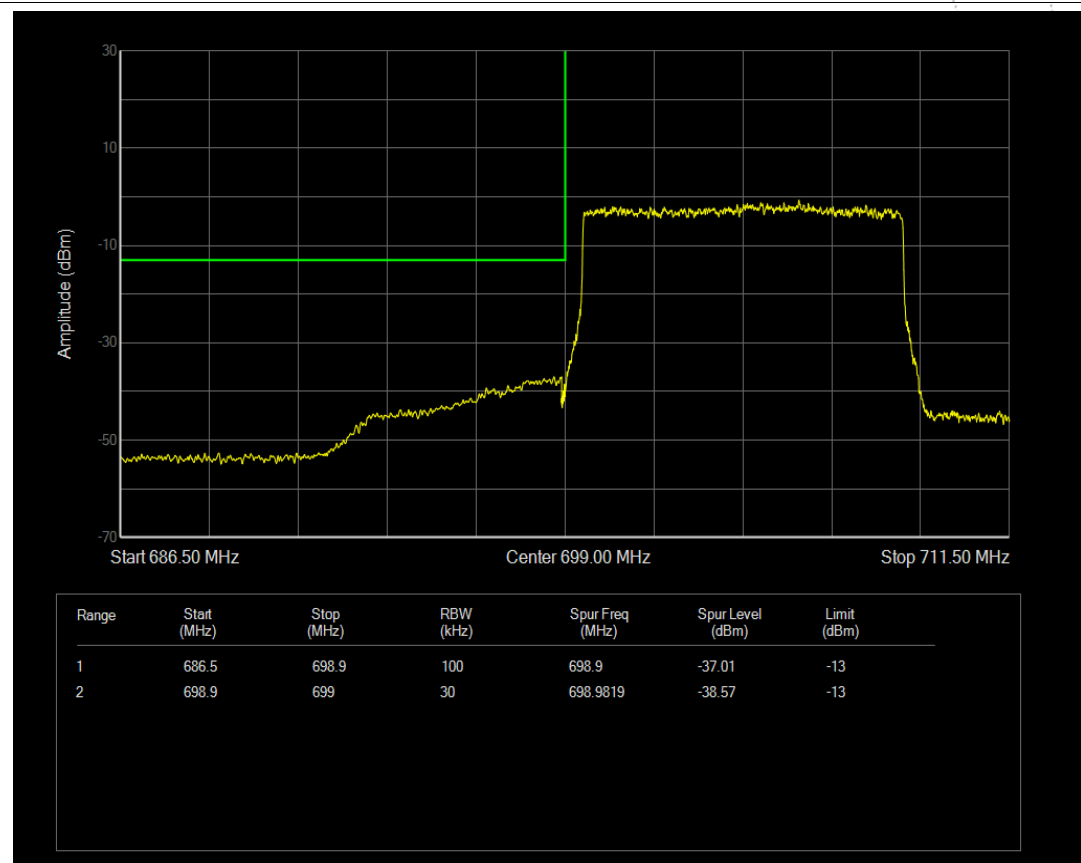


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0176	-33.23	-13
2	716.1	726	100	716.694	-32.03	-13

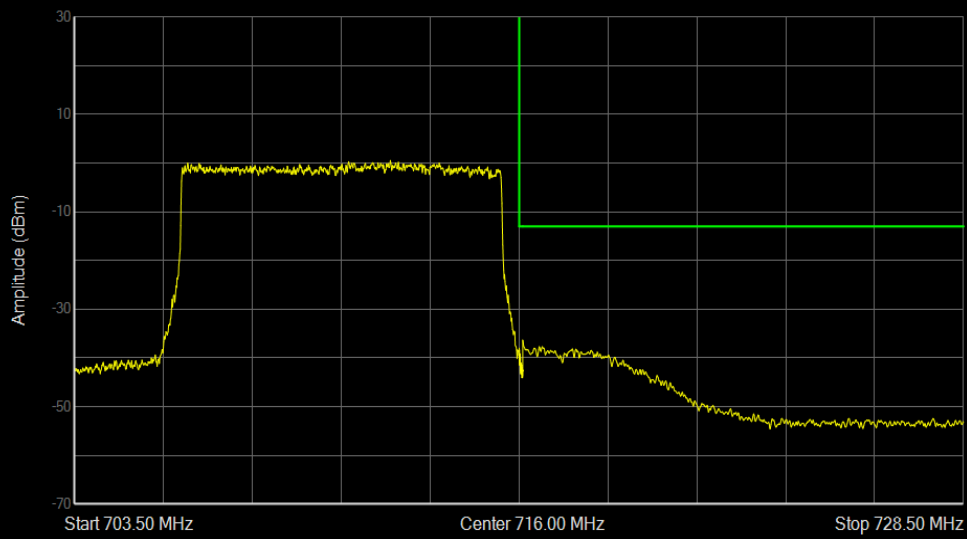
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



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

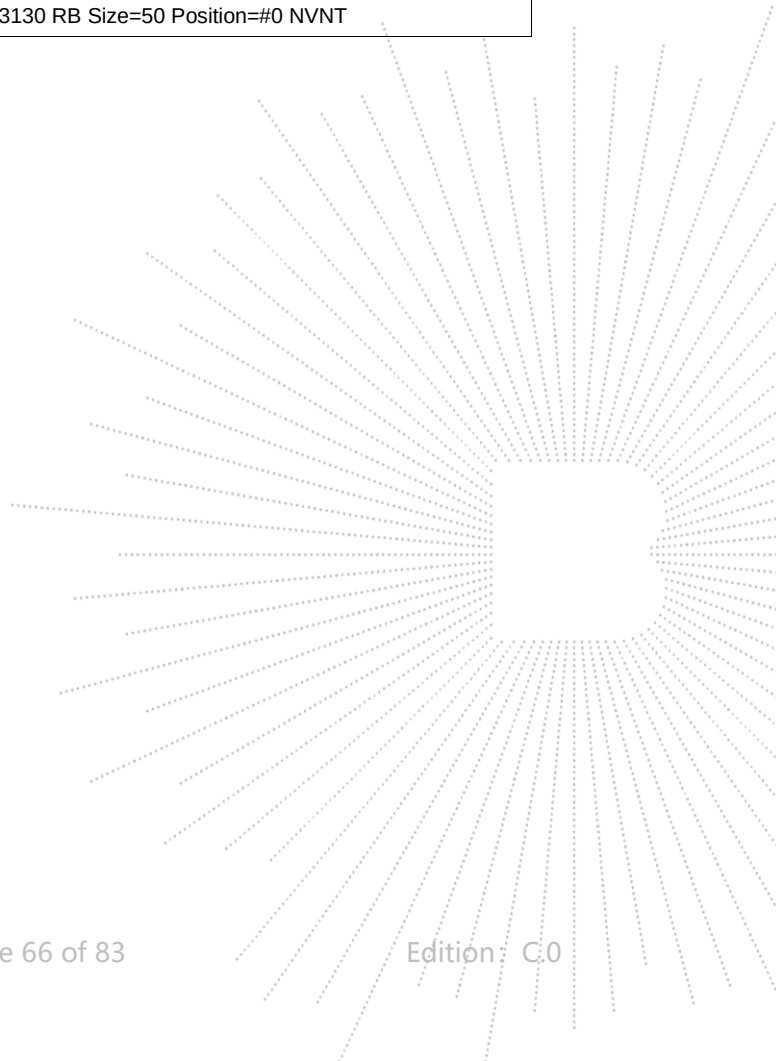
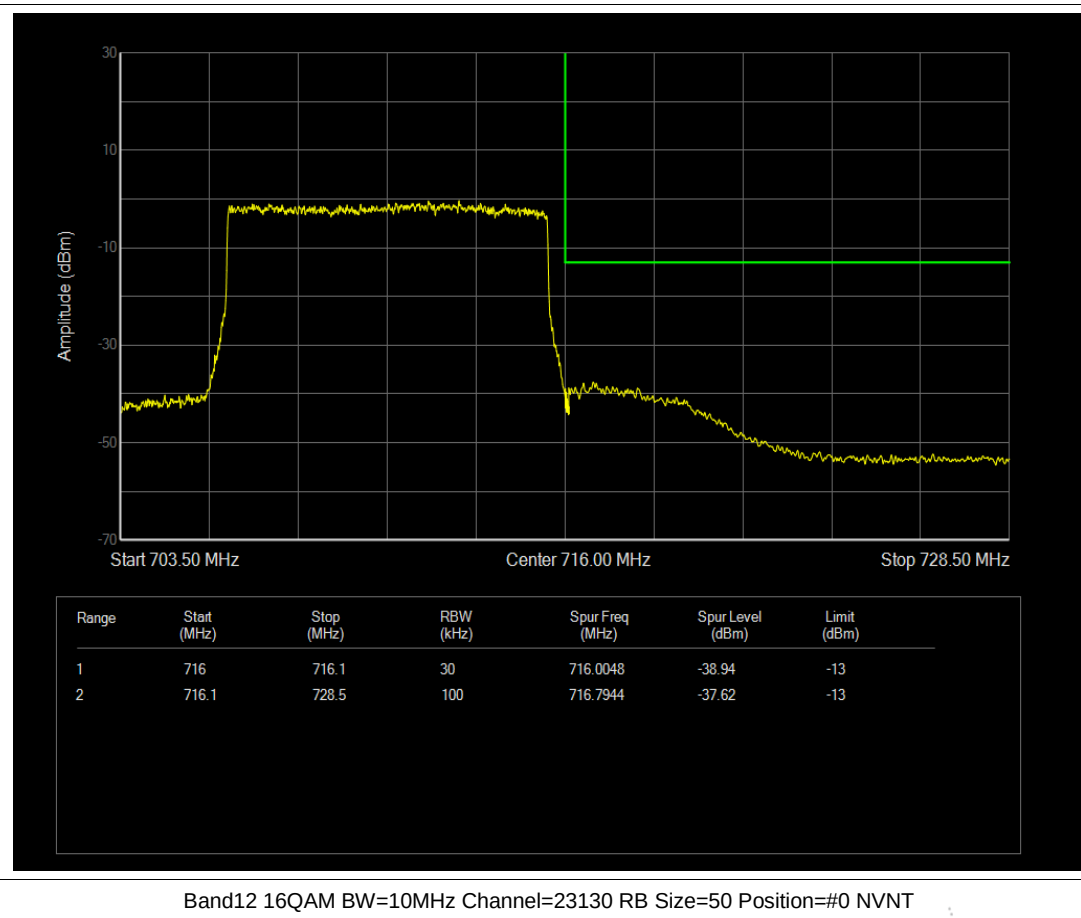


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT



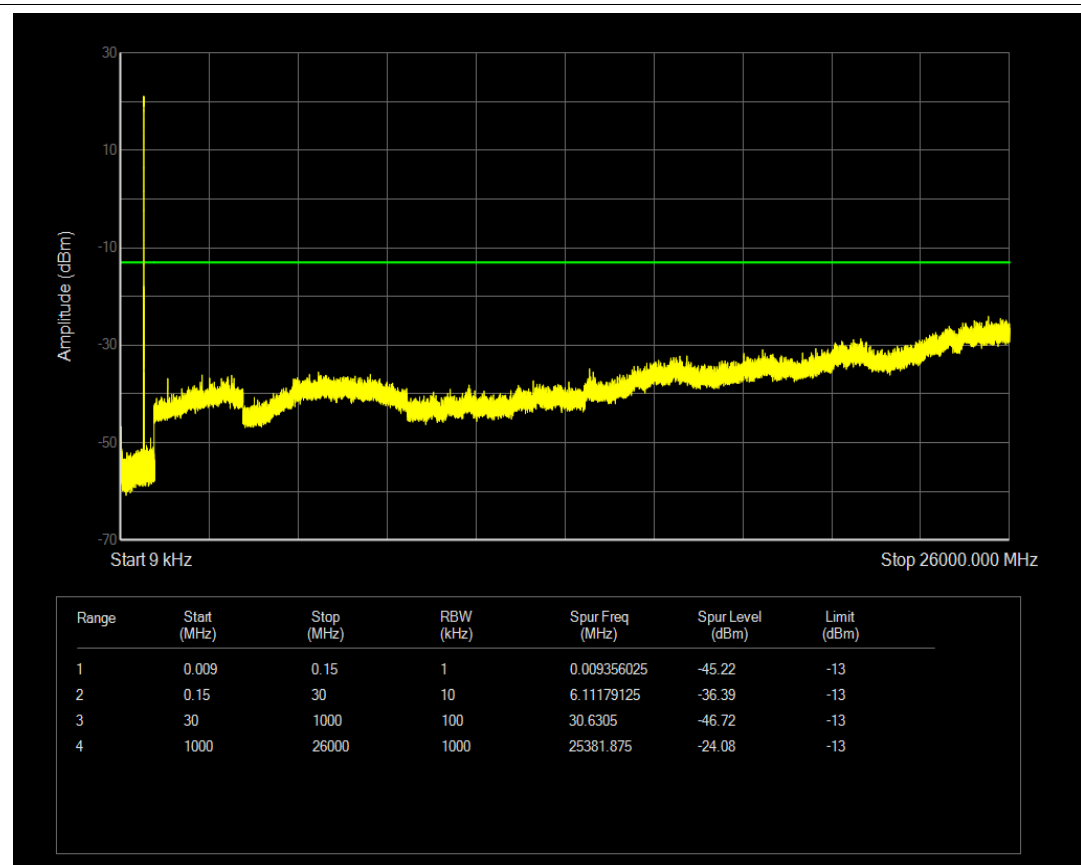
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0042	-38.36	-13
2	716.1	728.5	100	716.1124	-36.89	-13

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

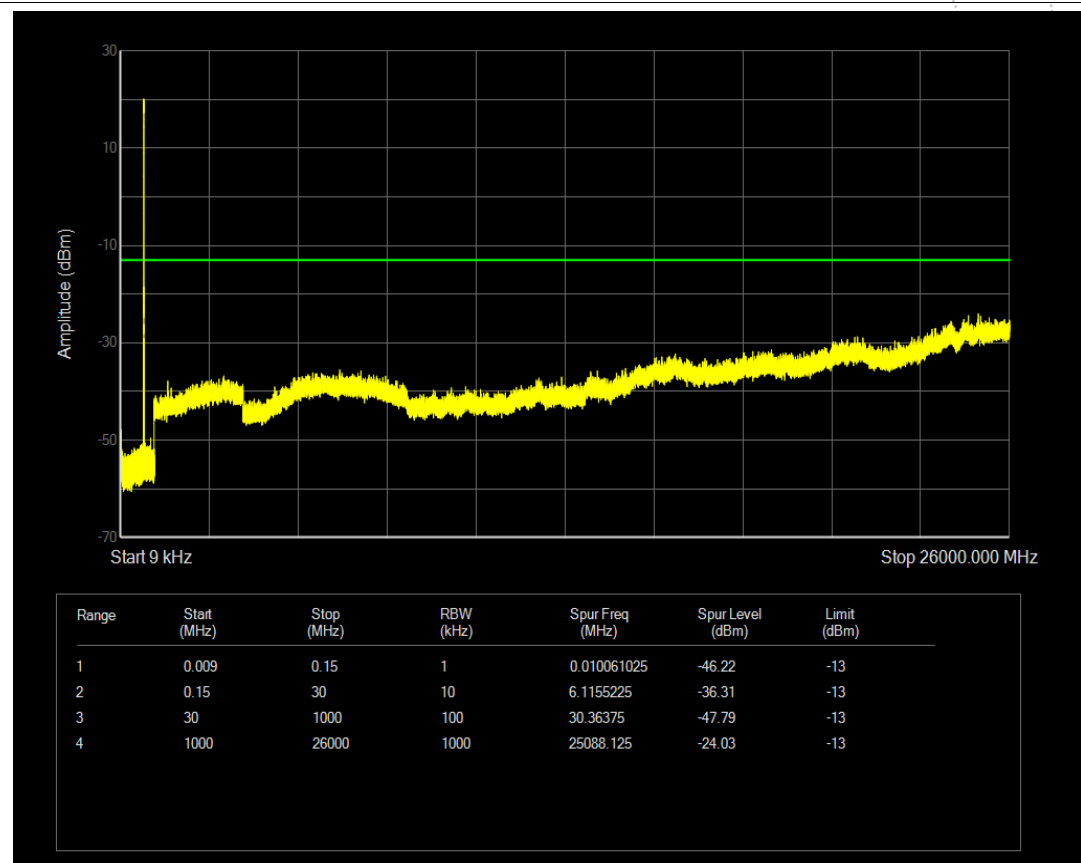


Appendix 6.Out-of-band emissions

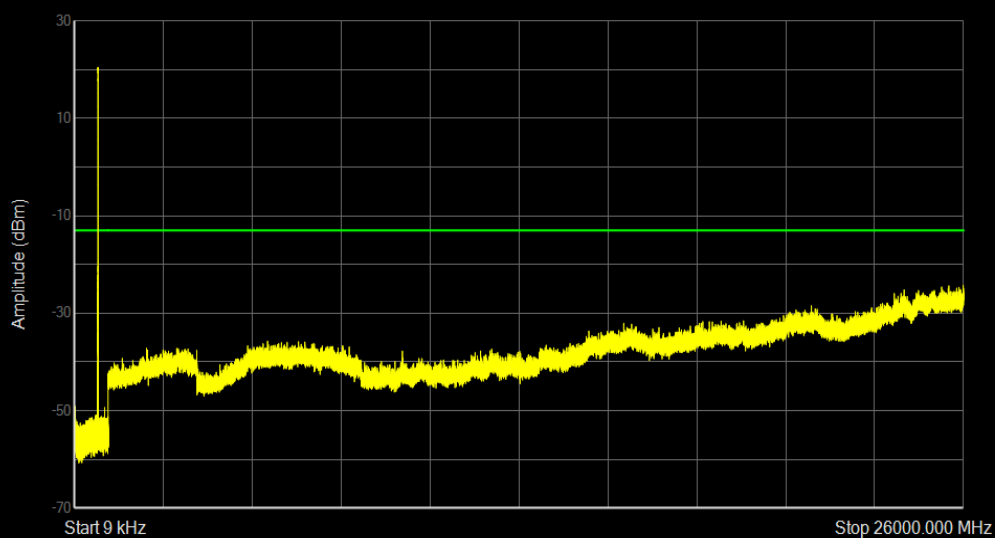
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band12	1.4	23017	6	#0	QPSK	25381.88	-24.08	-13	PASS
NVNT	Band12	1.4	23017	6	#0	16QAM	25088.13	-24.03	-13	PASS
NVNT	Band12	1.4	23095	6	#0	QPSK	25988.13	-24.30	-13	PASS
NVNT	Band12	1.4	23095	6	#0	16QAM	25780.63	-24.55	-13	PASS
NVNT	Band12	1.4	23173	6	#0	QPSK	25658.75	-24.26	-13	PASS
NVNT	Band12	1.4	23173	6	#0	16QAM	25996.88	-23.57	-13	PASS
NVNT	Band12	3	23025	15	#0	QPSK	25793.75	-24.00	-13	PASS
NVNT	Band12	3	23025	15	#0	16QAM	24690.63	-24.44	-13	PASS
NVNT	Band12	3	23095	15	#0	QPSK	24785.00	-24.04	-13	PASS
NVNT	Band12	3	23095	15	#0	16QAM	25546.25	-24.45	-13	PASS
NVNT	Band12	3	23165	15	#0	QPSK	25656.88	-24.40	-13	PASS
NVNT	Band12	3	23165	15	#0	16QAM	25855.63	-24.62	-13	PASS
NVNT	Band12	5	23035	25	#0	QPSK	25354.38	-24.30	-13	PASS
NVNT	Band12	5	23035	25	#0	16QAM	25101.25	-24.37	-13	PASS
NVNT	Band12	5	23095	25	#0	QPSK	25991.88	-24.15	-13	PASS
NVNT	Band12	5	23095	25	#0	16QAM	25753.75	-23.99	-13	PASS
NVNT	Band12	5	23155	25	#0	QPSK	25660.00	-24.10	-13	PASS
NVNT	Band12	5	23155	25	#0	16QAM	25890.63	-24.45	-13	PASS
NVNT	Band12	10	23060	50	#0	QPSK	25767.50	-24.07	-13	PASS
NVNT	Band12	10	23060	50	#0	16QAM	24688.75	-24.09	-13	PASS
NVNT	Band12	10	23095	50	#0	QPSK	25425.63	-24.37	-13	PASS
NVNT	Band12	10	23095	50	#0	16QAM	25477.50	-23.98	-13	PASS
NVNT	Band12	10	23130	50	#0	QPSK	25109.38	-24.29	-13	PASS
NVNT	Band12	10	23130	50	#0	16QAM	25907.50	-24.09	-13	PASS



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

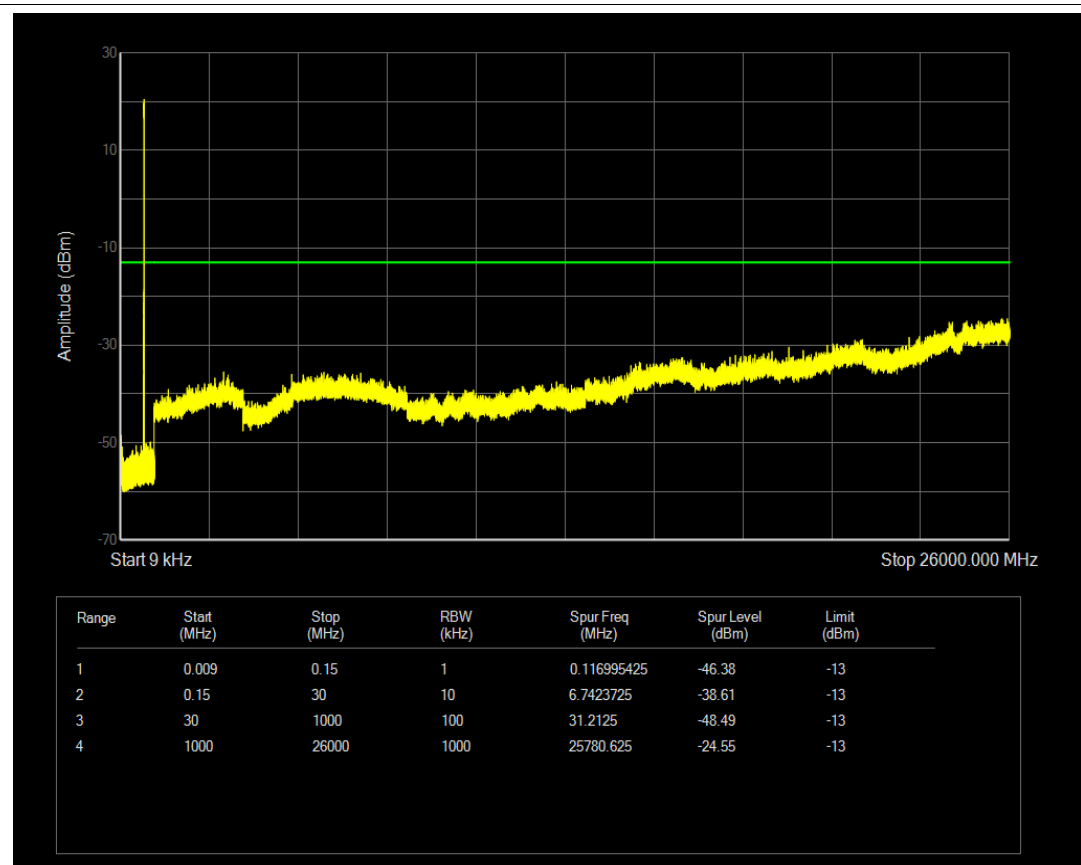


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

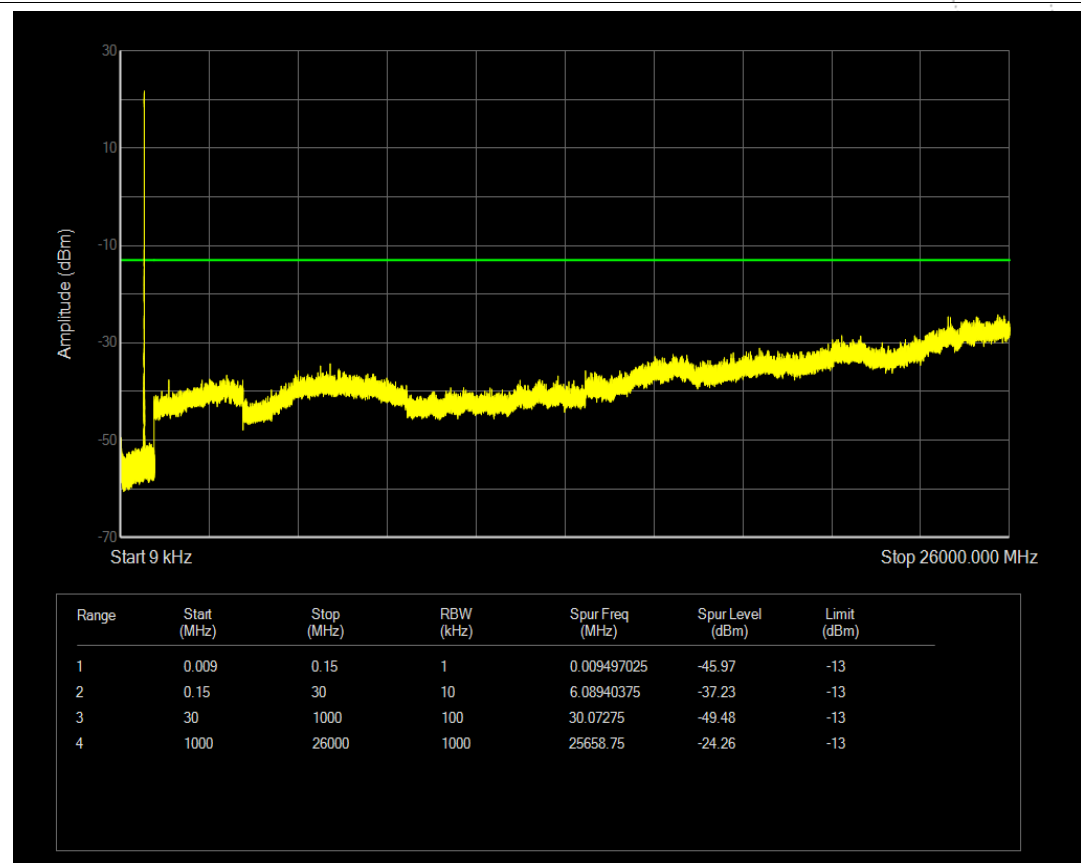


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1148205	-46.59	-13
2	0.15	30	10	6.12820875	-36.93	-13
3	30	1000	100	30.679	-49.16	-13
4	1000	26000	1000	25988.125	-24.3	-13

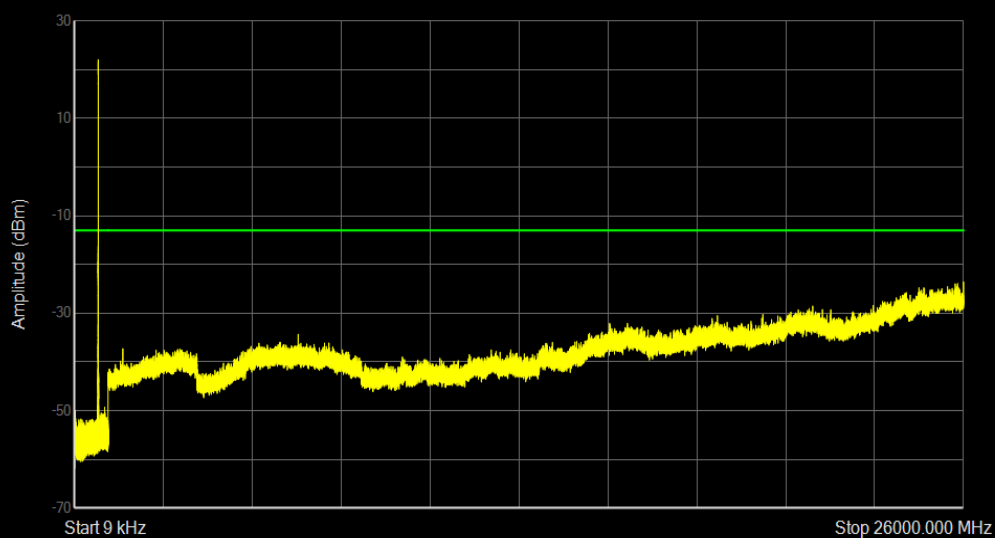
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT



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

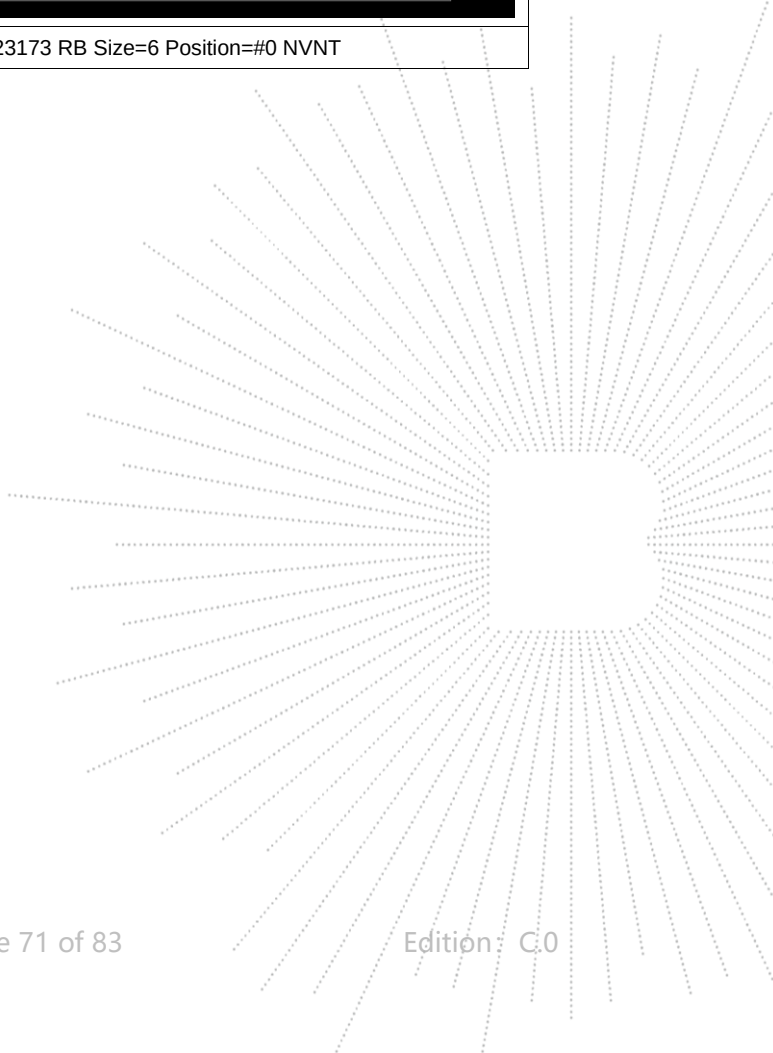


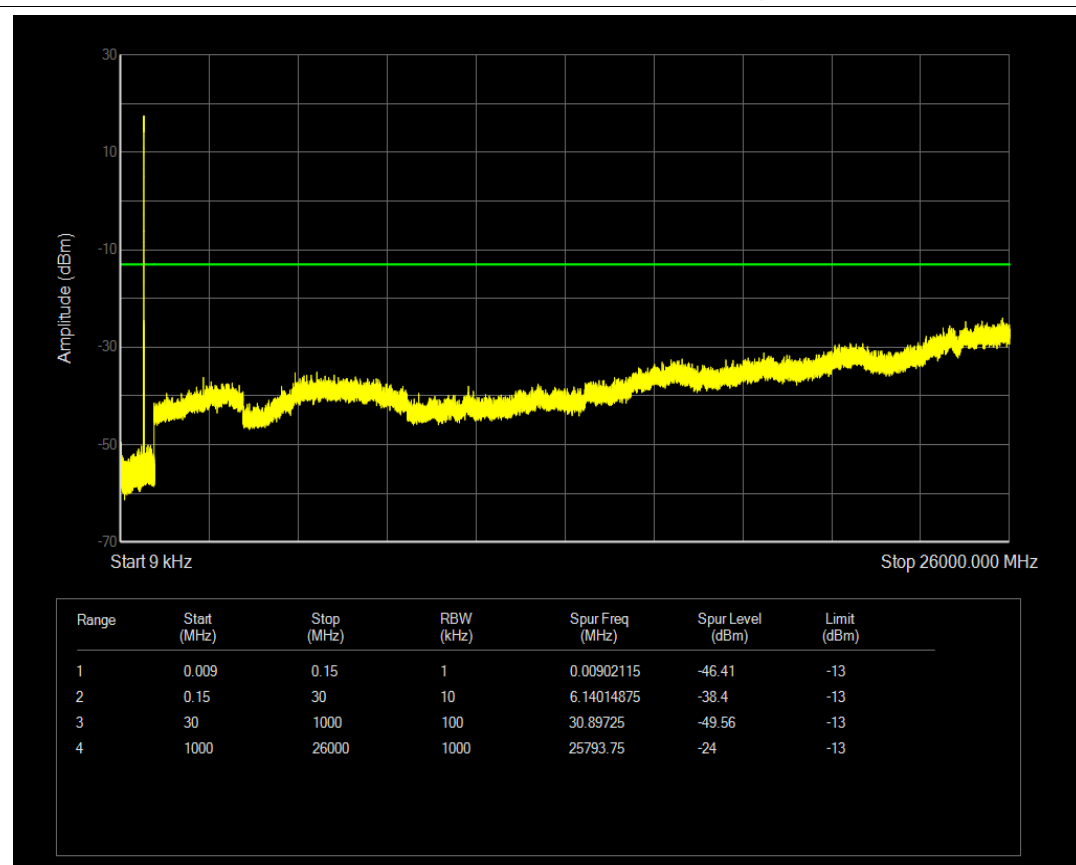
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



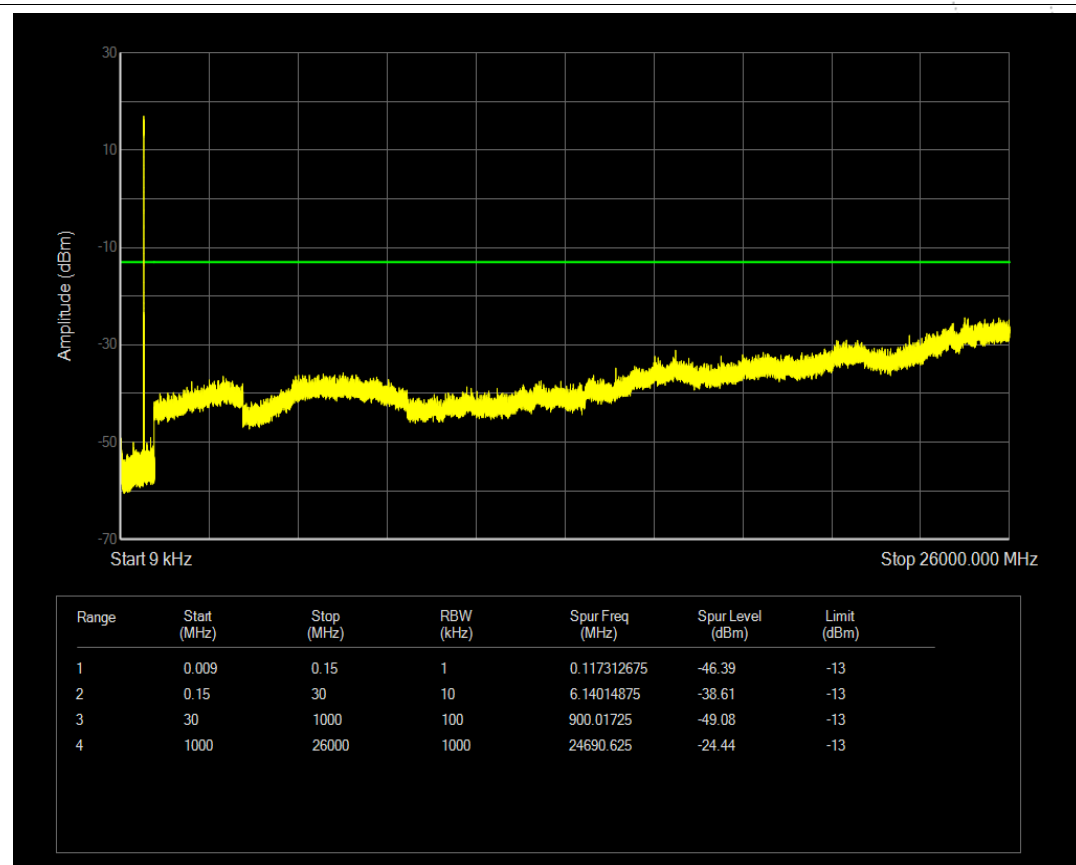
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11520825	-46.8	-13
2	0.15	30	10	6.0647775	-38.08	-13
3	30	1000	100	900.0415	-49.33	-13
4	1000	26000	1000	25996.875	-23.57	-13

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

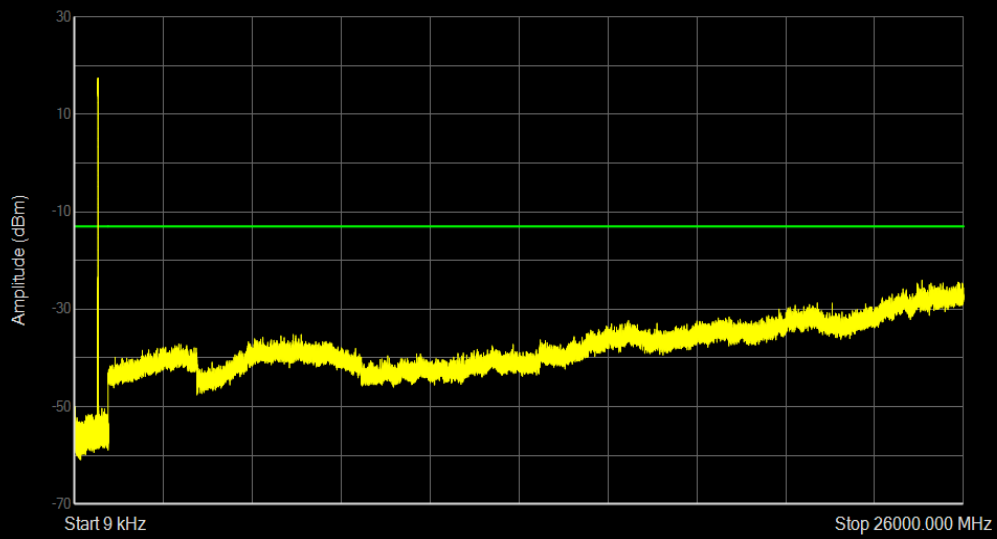




Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

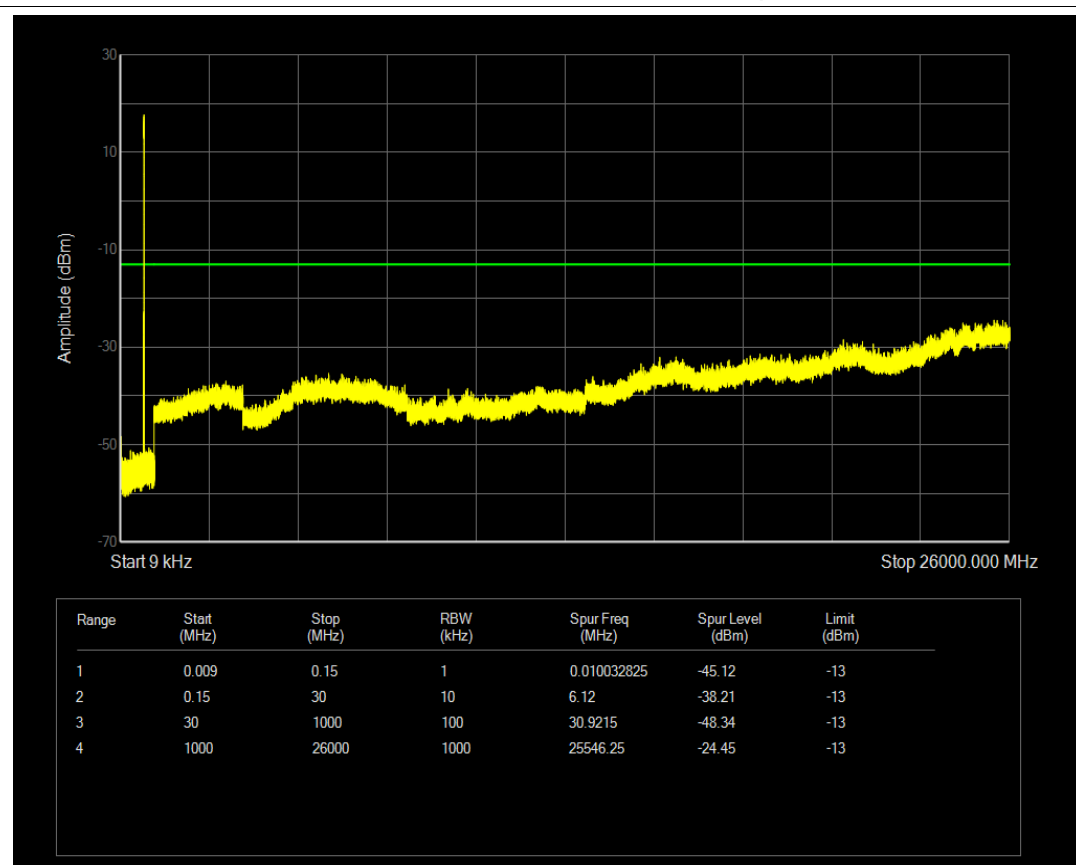


Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

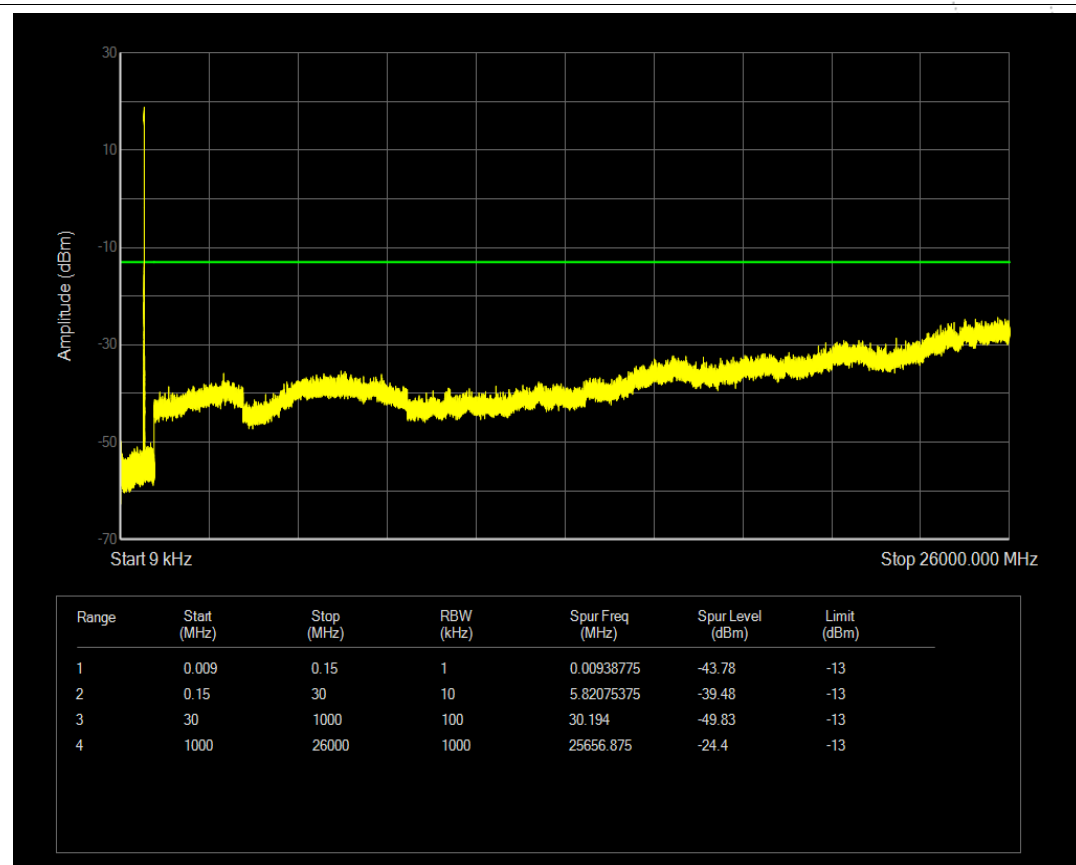


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009602775	-45.88	-13
2	0.15	30	10	6.11328375	-37.64	-13
3	30	1000	100	31.552	-49.97	-13
4	1000	26000	1000	24785	-24.04	-13

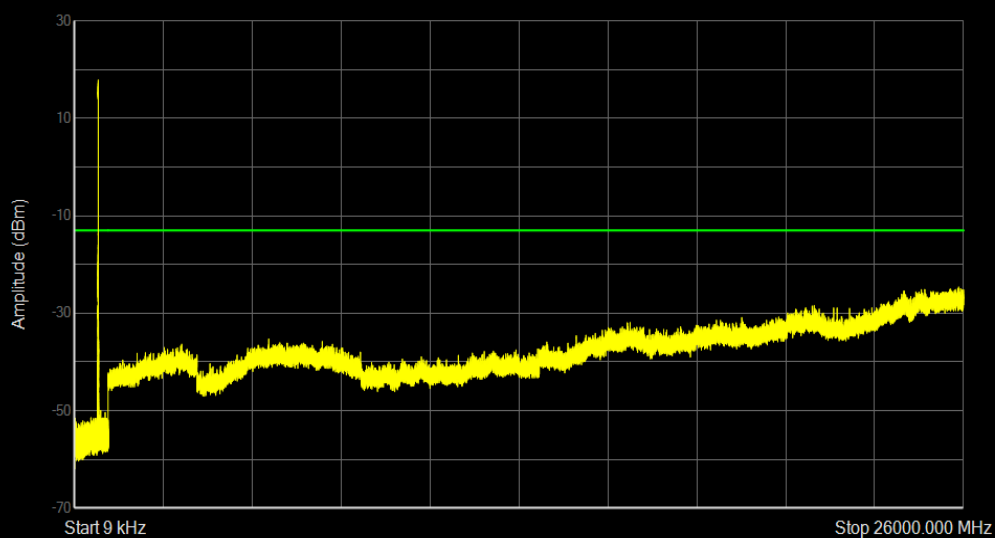
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT



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

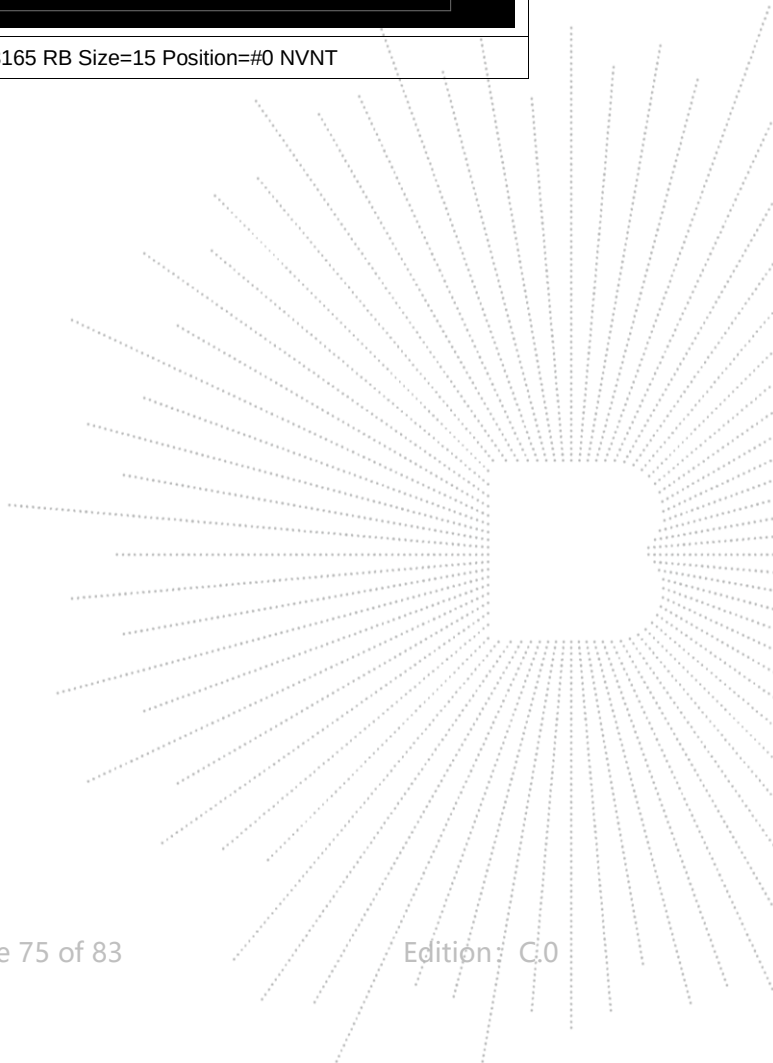


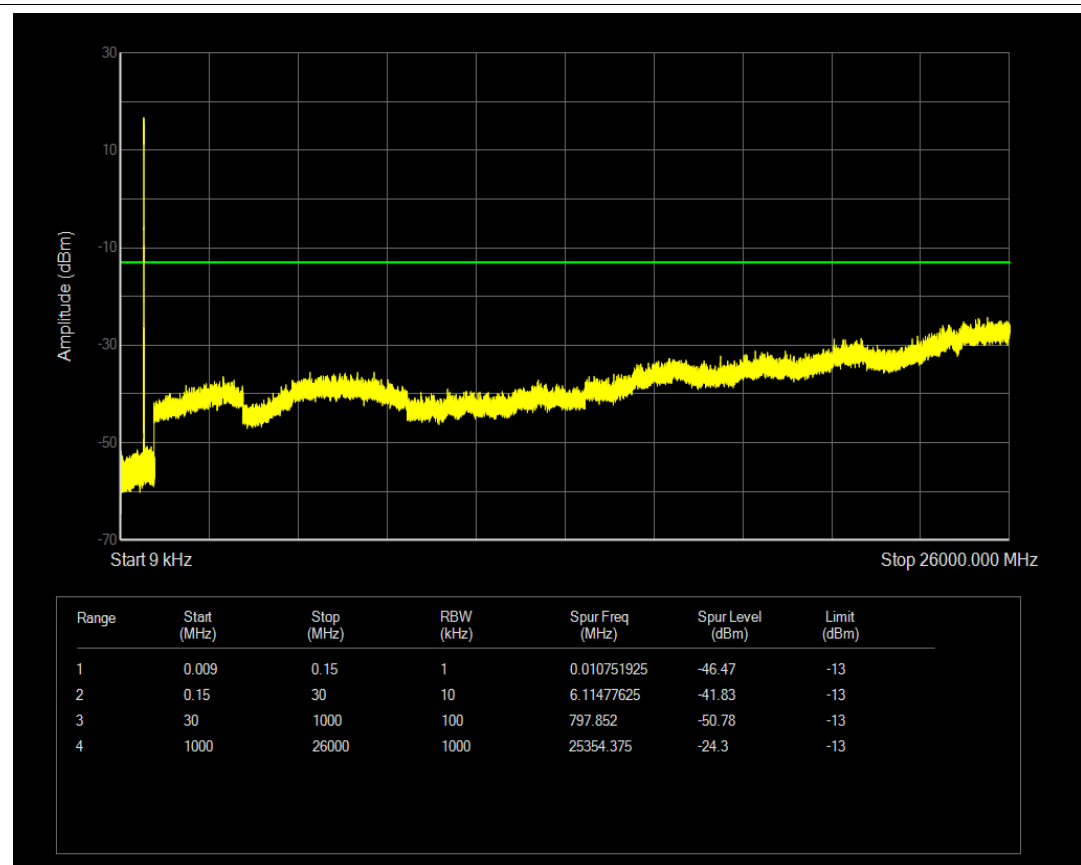
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



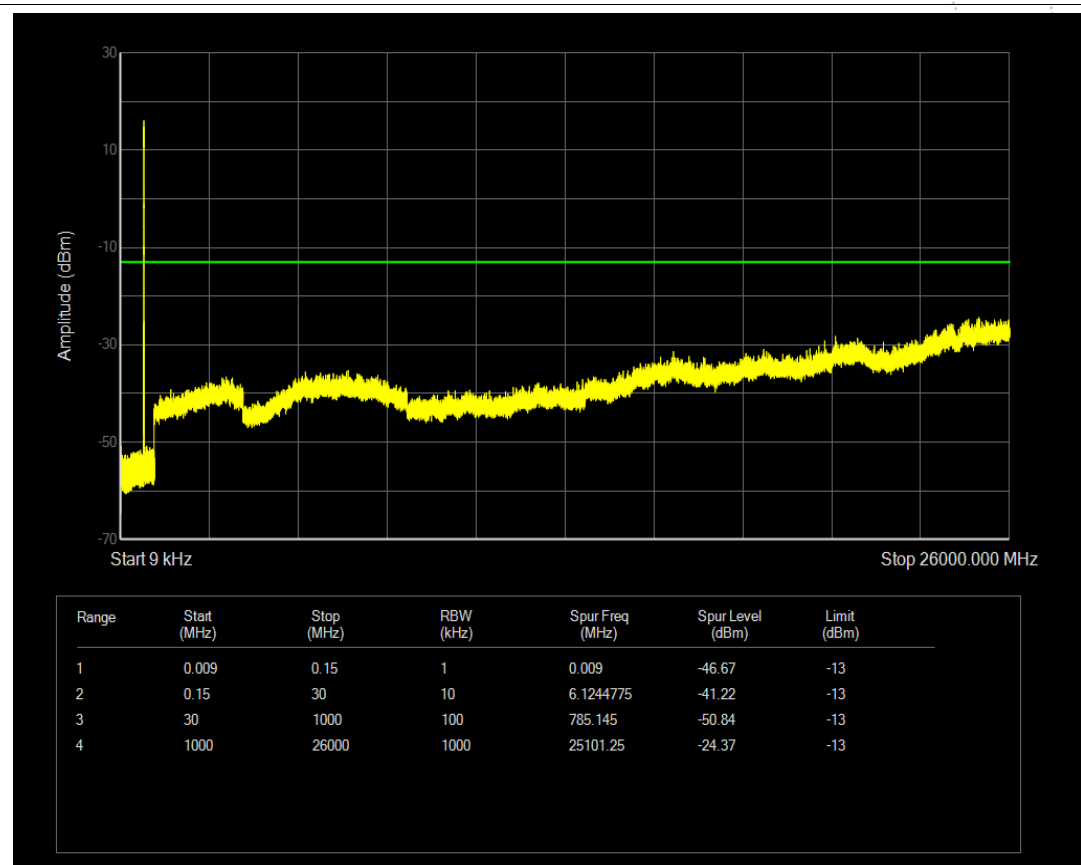
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0099729	-46.38	-13
2	0.15	30	10	6.06104625	-42.49	-13
3	30	1000	100	786.67275	-49.96	-13
4	1000	26000	1000	25855.625	-24.62	-13

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

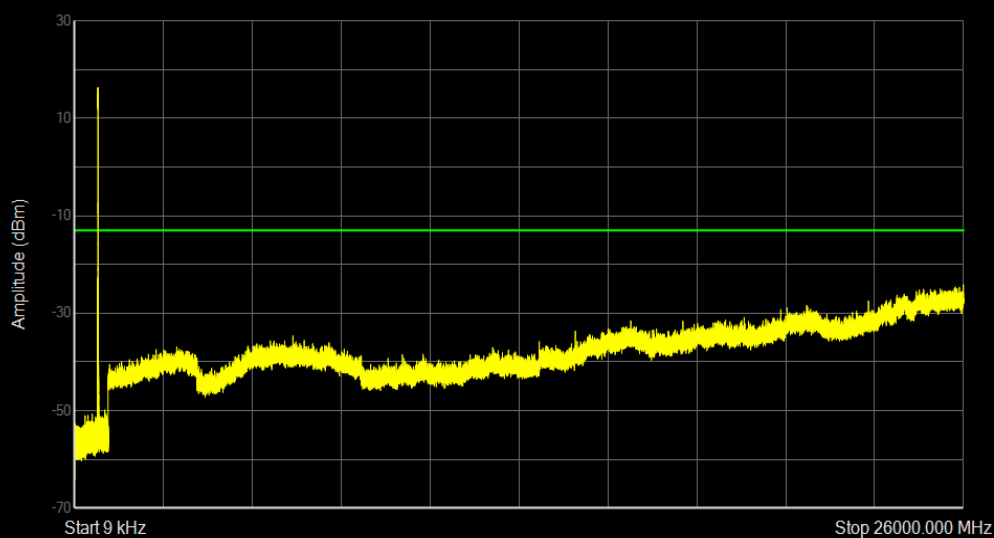




Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT

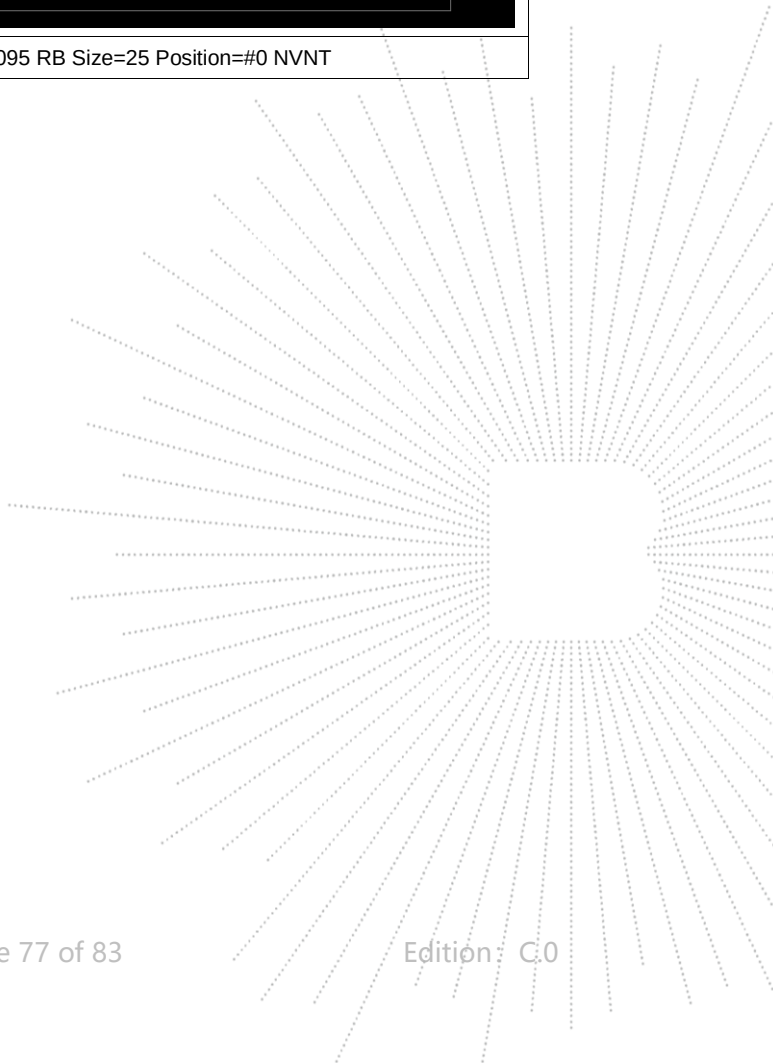


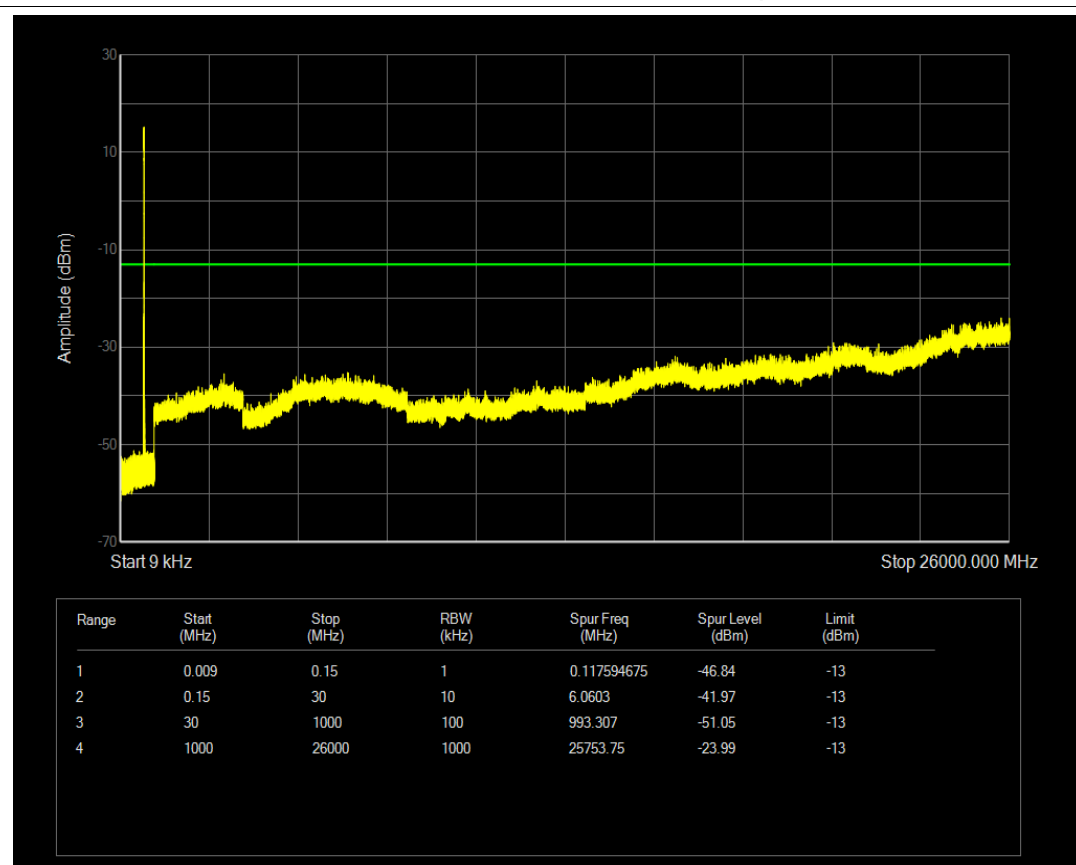
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



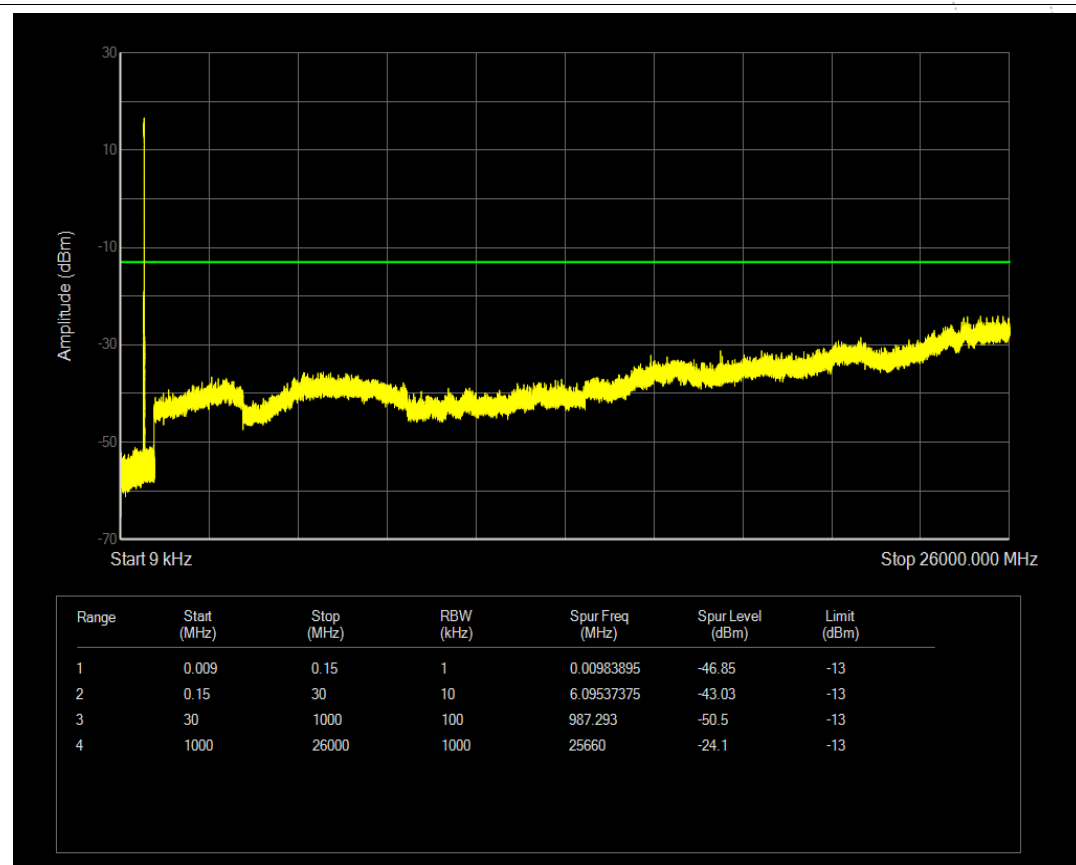
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.114584325	-46.97	-13
2	0.15	30	10	6.117015	-42.34	-13
3	30	1000	100	905.0855	-49.87	-13
4	1000	26000	1000	25991.875	-24.15	-13

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

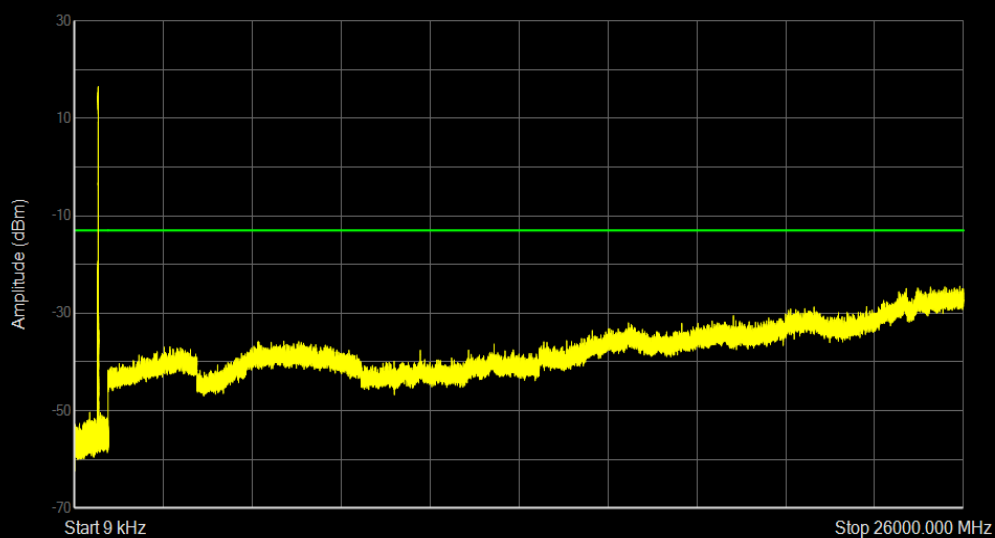




Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT

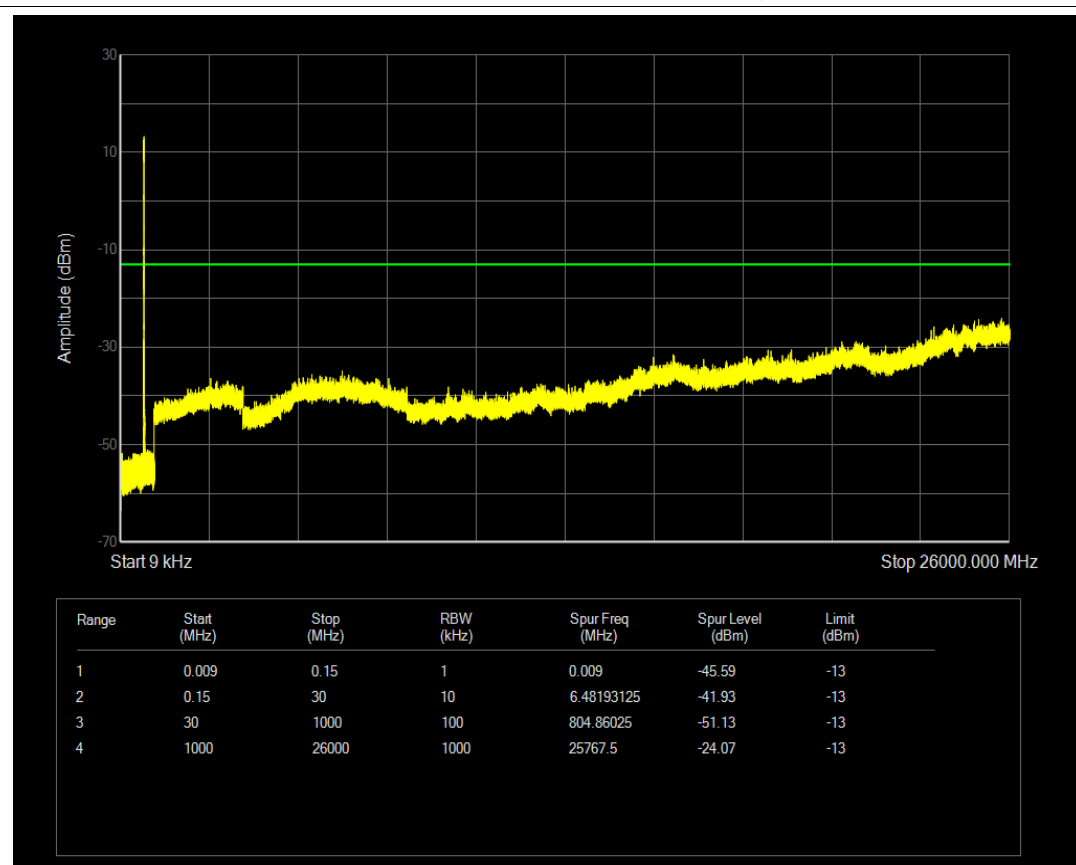


Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT

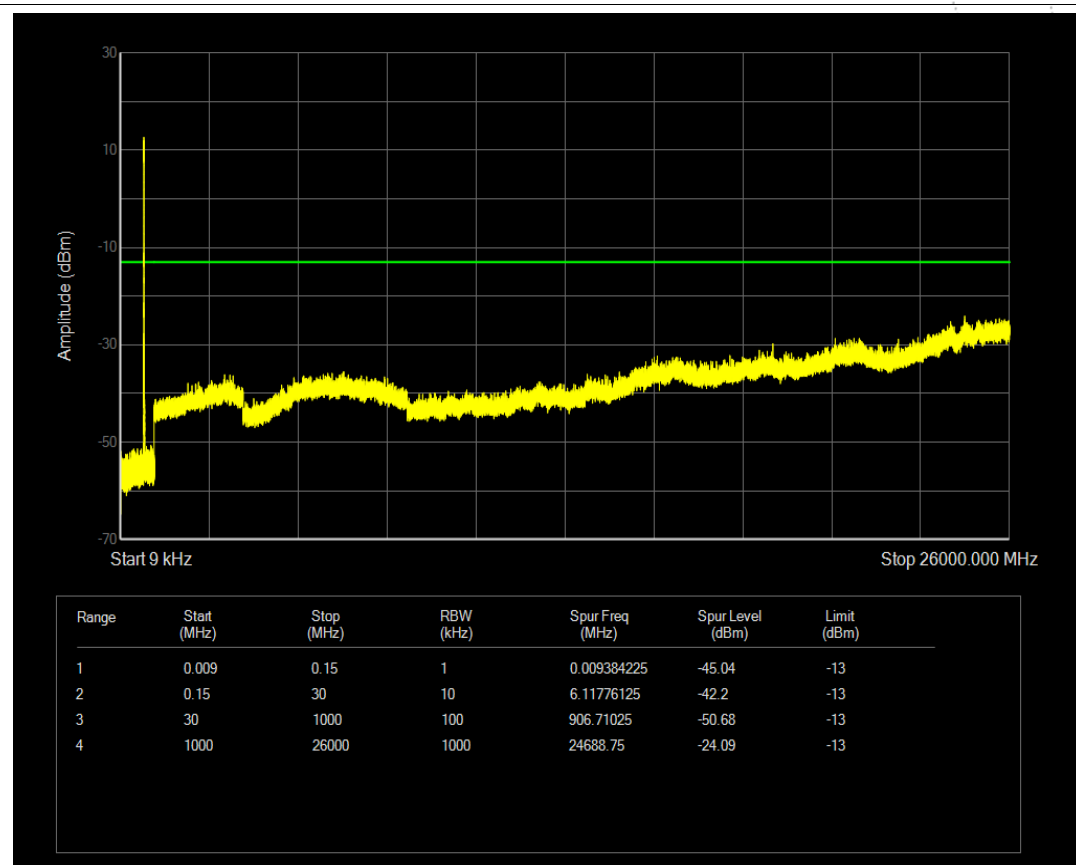


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009200925	-46.09	-13
2	0.15	30	10	6.65133	-43.25	-13
3	30	1000	100	464.3175	-50.35	-13
4	1000	26000	1000	25890.625	-24.45	-13

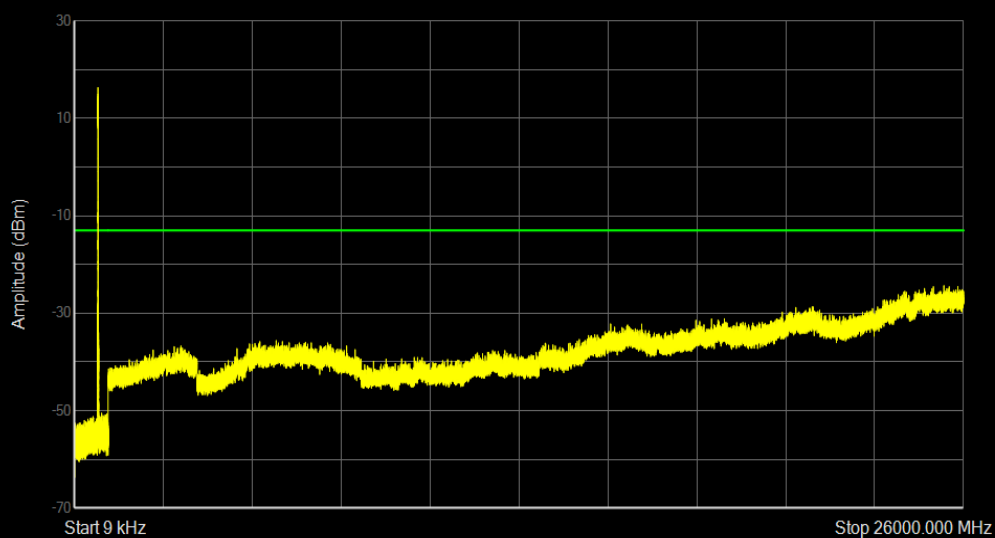
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



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

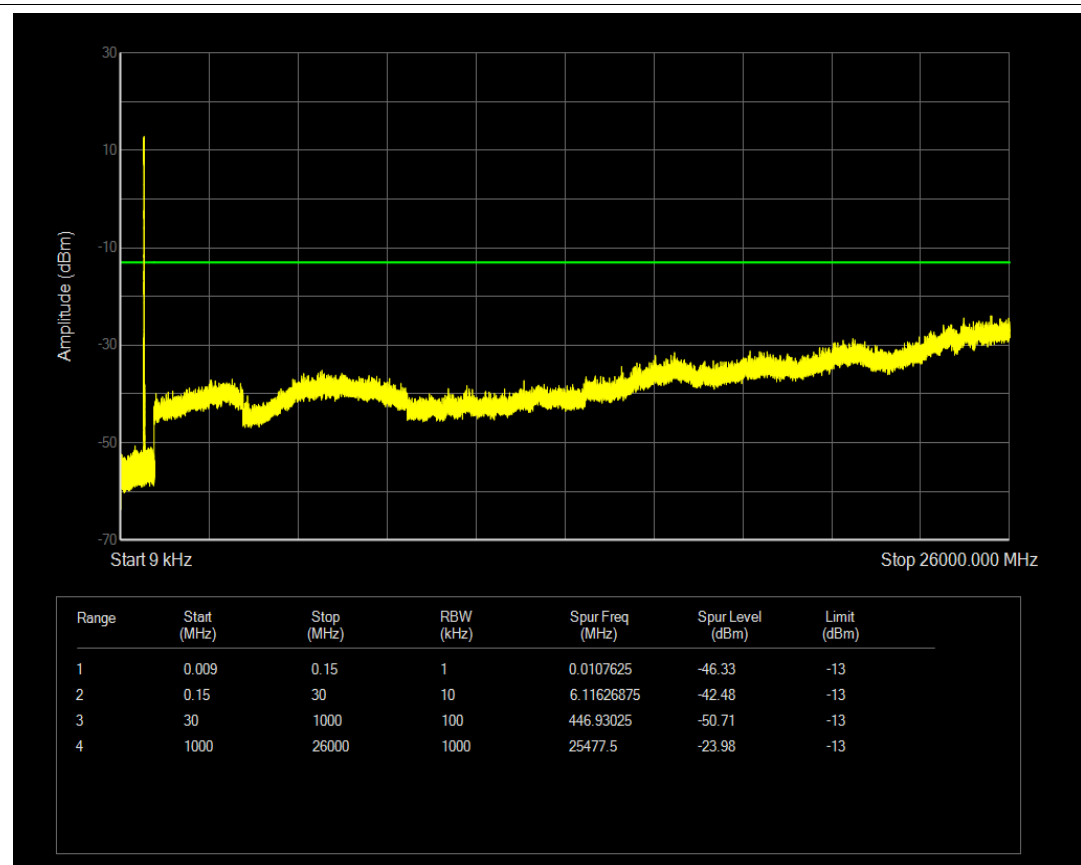


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

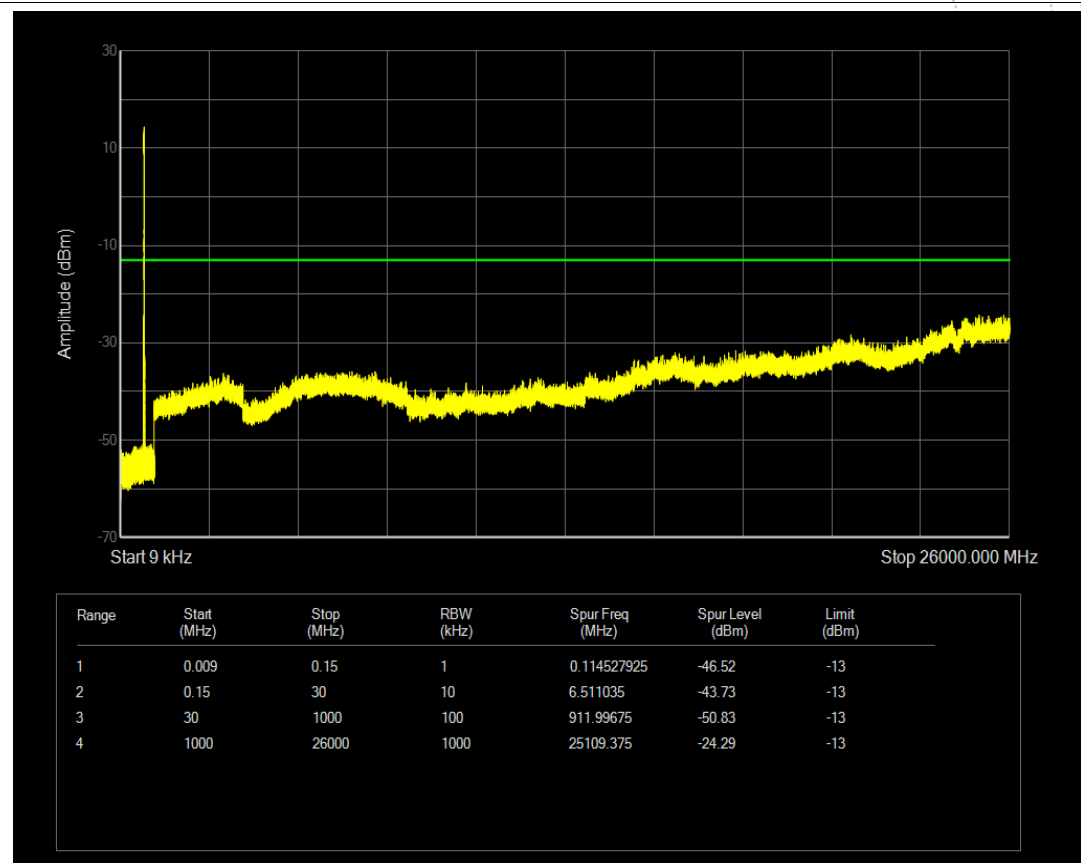


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009193875	-44.55	-13
2	0.15	30	10	6.11403	-41.93	-13
3	30	1000	100	813.7115	-50.52	-13
4	1000	26000	1000	25425.625	-24.37	-13

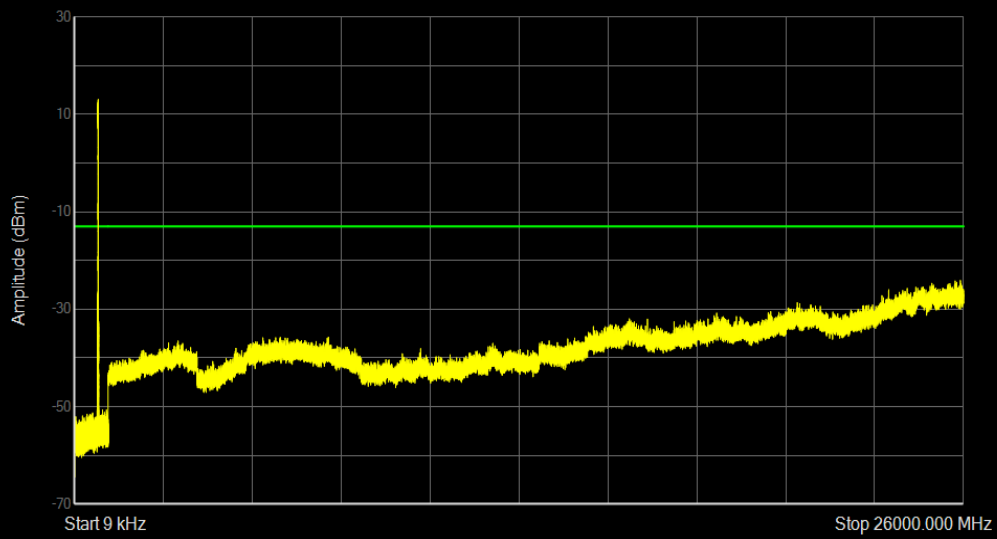
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT



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	0.009045825	-46.5	-13
2	0.15	30	10	6.12970125	-43.08	-13
3	30	1000	100	952.664	-50.7	-13
4	1000	26000	1000	25907.5	-24.09	-13

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