

Appendix for Band 12

Report No.: BCTC2504054763-6E

Applicant: Shenzhen Huafurui Technology Co., Ltd.

Product Name: Smartphone

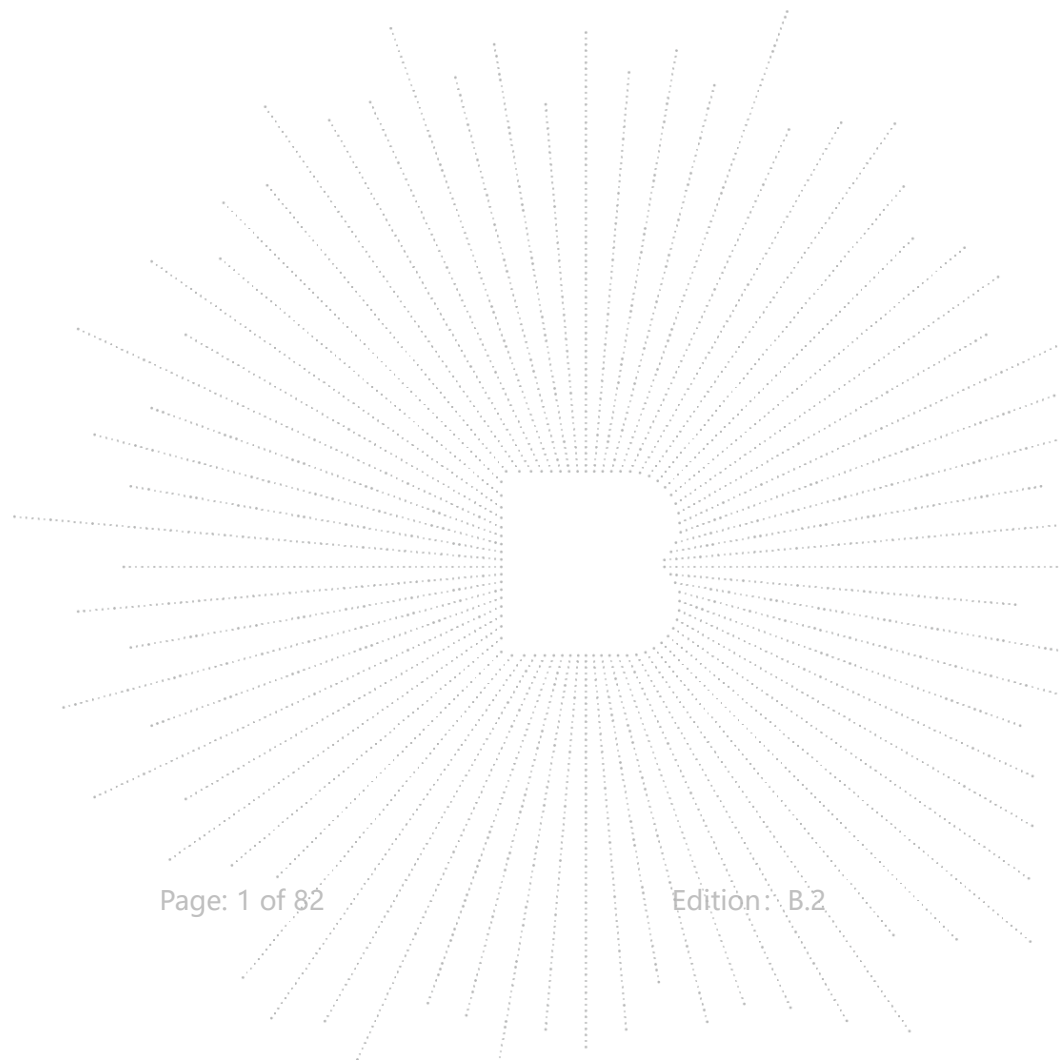
Test Model: KINGKONG ES 3

Tested Date: 2025-04-09 to 2025-05-26

Shenzhen BCTC Testing Co., Ltd.

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

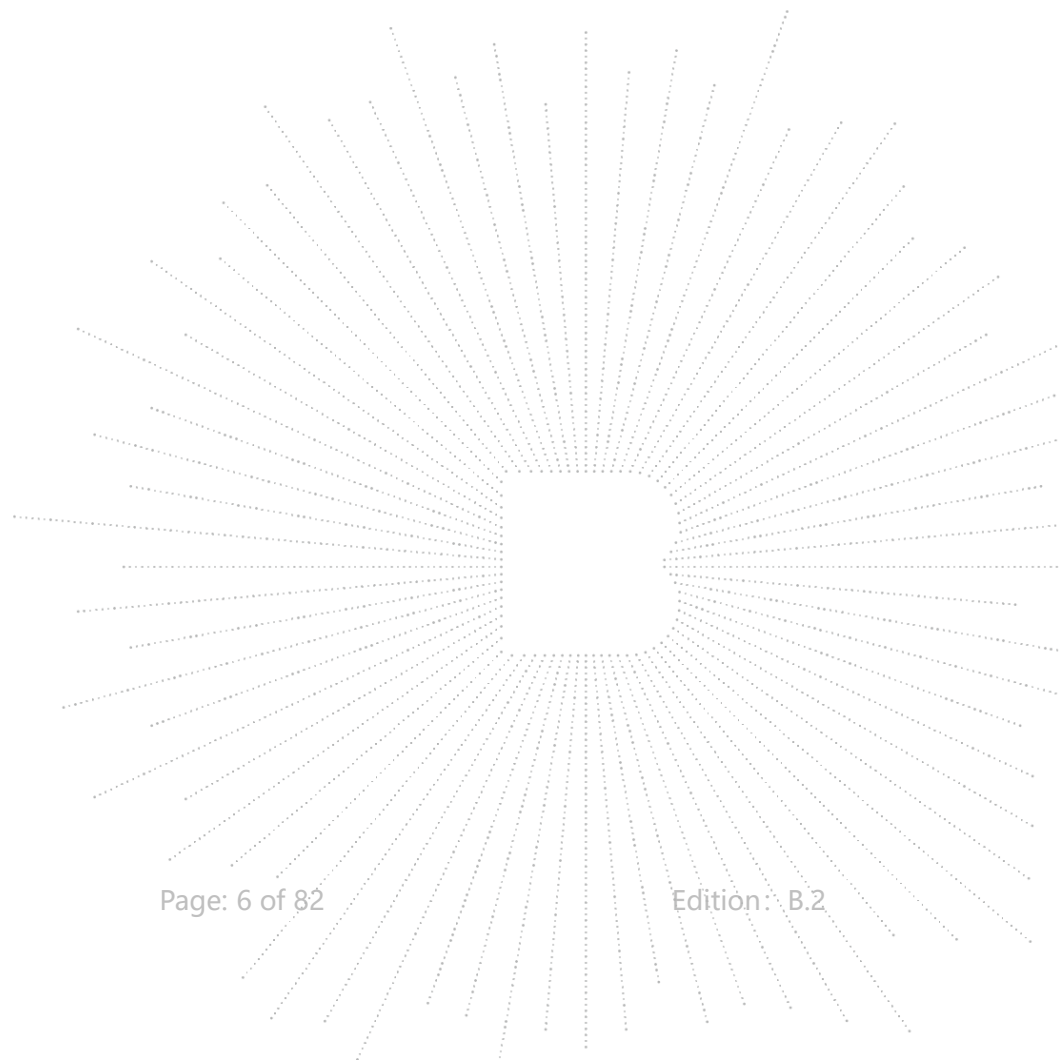
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
NVNT	Band12	1.4	23017	1	#0	QPSK	23.02	-0.76	20.11	PASS
NVNT	Band12	1.4	23017	1	#Mid	QPSK	23.01	-0.76	20.10	PASS
NVNT	Band12	1.4	23017	1	#Max	QPSK	23.01	-0.76	20.10	PASS
NVNT	Band12	1.4	23017	3	#0	QPSK	22.94	-0.76	20.03	PASS
NVNT	Band12	1.4	23017	3	#Mid	QPSK	22.95	-0.76	20.04	PASS
NVNT	Band12	1.4	23017	3	#Max	QPSK	23.09	-0.76	20.18	PASS
NVNT	Band12	1.4	23017	6	#0	QPSK	22.44	-0.76	19.53	PASS
NVNT	Band12	1.4	23017	1	#0	16QAM	24.06	-0.76	21.15	PASS
NVNT	Band12	1.4	23017	1	#Mid	16QAM	24.13	-0.76	21.22	PASS
NVNT	Band12	1.4	23017	1	#Max	16QAM	24.08	-0.76	21.17	PASS
NVNT	Band12	1.4	23017	3	#0	16QAM	22.74	-0.76	19.83	PASS
NVNT	Band12	1.4	23017	3	#Mid	16QAM	22.77	-0.76	19.86	PASS
NVNT	Band12	1.4	23017	3	#Max	16QAM	22.74	-0.76	19.83	PASS
NVNT	Band12	1.4	23017	6	#0	16QAM	21.65	-0.76	18.74	PASS
NVNT	Band12	1.4	23095	1	#0	QPSK	22.89	-0.76	19.98	PASS
NVNT	Band12	1.4	23095	1	#Mid	QPSK	22.95	-0.76	20.04	PASS
NVNT	Band12	1.4	23095	1	#Max	QPSK	22.89	-0.76	19.98	PASS
NVNT	Band12	1.4	23095	3	#0	QPSK	22.80	-0.76	19.89	PASS
NVNT	Band12	1.4	23095	3	#Mid	QPSK	22.83	-0.76	19.92	PASS
NVNT	Band12	1.4	23095	3	#Max	QPSK	22.81	-0.76	19.90	PASS
NVNT	Band12	1.4	23095	6	#0	QPSK	21.81	-0.76	18.90	PASS
NVNT	Band12	1.4	23095	1	#0	16QAM	22.78	-0.76	19.87	PASS
NVNT	Band12	1.4	23095	1	#Mid	16QAM	22.45	-0.76	19.54	PASS
NVNT	Band12	1.4	23095	1	#Max	16QAM	22.33	-0.76	19.42	PASS
NVNT	Band12	1.4	23095	3	#0	16QAM	21.94	-0.76	19.03	PASS
NVNT	Band12	1.4	23095	3	#Mid	16QAM	21.84	-0.76	18.93	PASS
NVNT	Band12	1.4	23095	3	#Max	16QAM	21.86	-0.76	18.95	PASS
NVNT	Band12	1.4	23095	6	#0	16QAM	21.05	-0.76	18.14	PASS
NVNT	Band12	1.4	23173	1	#0	QPSK	22.69	-0.76	19.78	PASS
NVNT	Band12	1.4	23173	1	#Mid	QPSK	22.56	-0.76	19.65	PASS
NVNT	Band12	1.4	23173	1	#Max	QPSK	22.64	-0.76	19.73	PASS
NVNT	Band12	1.4	23173	3	#0	QPSK	22.63	-0.76	19.72	PASS
NVNT	Band12	1.4	23173	3	#Mid	QPSK	22.66	-0.76	19.75	PASS
NVNT	Band12	1.4	23173	3	#Max	QPSK	22.54	-0.76	19.63	PASS
NVNT	Band12	1.4	23173	6	#0	QPSK	21.67	-0.76	18.76	PASS

NVNT	Band12	1.4	23173	1	#0	16QAM	22.13	-0.76	19.22	PASS
NVNT	Band12	1.4	23173	1	#Mid	16QAM	22.21	-0.76	19.30	PASS
NVNT	Band12	1.4	23173	1	#Max	16QAM	22.19	-0.76	19.28	PASS
NVNT	Band12	1.4	23173	3	#0	16QAM	21.53	-0.76	18.62	PASS
NVNT	Band12	1.4	23173	3	#Mid	16QAM	21.58	-0.76	18.67	PASS
NVNT	Band12	1.4	23173	3	#Max	16QAM	21.54	-0.76	18.63	PASS
NVNT	Band12	1.4	23173	6	#0	16QAM	21.13	-0.76	18.22	PASS
NVNT	Band12	3	23025	1	#0	QPSK	22.90	-0.76	19.99	PASS
NVNT	Band12	3	23025	1	#Mid	QPSK	22.91	-0.76	20.00	PASS
NVNT	Band12	3	23025	1	#Max	QPSK	22.97	-0.76	20.06	PASS
NVNT	Band12	3	23025	8	#0	QPSK	22.52	-0.76	19.61	PASS
NVNT	Band12	3	23025	8	#Mid	QPSK	22.41	-0.76	19.50	PASS
NVNT	Band12	3	23025	8	#Max	QPSK	22.02	-0.76	19.11	PASS
NVNT	Band12	3	23025	15	#0	QPSK	22.41	-0.76	19.50	PASS
NVNT	Band12	3	23025	1	#0	16QAM	23.89	-0.76	20.98	PASS
NVNT	Band12	3	23025	1	#Mid	16QAM	23.92	-0.76	21.01	PASS
NVNT	Band12	3	23025	1	#Max	16QAM	23.57	-0.76	20.66	PASS
NVNT	Band12	3	23025	8	#0	16QAM	21.46	-0.76	18.55	PASS
NVNT	Band12	3	23025	8	#Mid	16QAM	21.42	-0.76	18.51	PASS
NVNT	Band12	3	23025	8	#Max	16QAM	20.95	-0.76	18.04	PASS
NVNT	Band12	3	23025	15	#0	16QAM	21.61	-0.76	18.70	PASS
NVNT	Band12	3	23095	1	#0	QPSK	22.97	-0.76	20.06	PASS
NVNT	Band12	3	23095	1	#Mid	QPSK	22.94	-0.76	20.03	PASS
NVNT	Band12	3	23095	1	#Max	QPSK	22.92	-0.76	20.01	PASS
NVNT	Band12	3	23095	8	#0	QPSK	22.28	-0.76	19.37	PASS
NVNT	Band12	3	23095	8	#Mid	QPSK	21.94	-0.76	19.03	PASS
NVNT	Band12	3	23095	8	#Max	QPSK	21.86	-0.76	18.95	PASS
NVNT	Band12	3	23095	15	#0	QPSK	21.89	-0.76	18.98	PASS
NVNT	Band12	3	23095	1	#0	16QAM	22.86	-0.76	19.95	PASS
NVNT	Band12	3	23095	1	#Mid	16QAM	22.45	-0.76	19.54	PASS
NVNT	Band12	3	23095	1	#Max	16QAM	22.38	-0.76	19.47	PASS
NVNT	Band12	3	23095	8	#0	16QAM	21.42	-0.76	18.51	PASS
NVNT	Band12	3	23095	8	#Mid	16QAM	20.97	-0.76	18.06	PASS
NVNT	Band12	3	23095	8	#Max	16QAM	20.89	-0.76	17.98	PASS
NVNT	Band12	3	23095	15	#0	16QAM	20.88	-0.76	17.97	PASS
NVNT	Band12	3	23165	1	#0	QPSK	22.71	-0.76	19.80	PASS
NVNT	Band12	3	23165	1	#Mid	QPSK	22.63	-0.76	19.72	PASS
NVNT	Band12	3	23165	1	#Max	QPSK	22.66	-0.76	19.75	PASS
NVNT	Band12	3	23165	8	#0	QPSK	21.65	-0.76	18.74	PASS
NVNT	Band12	3	23165	8	#Mid	QPSK	21.64	-0.76	18.73	PASS
NVNT	Band12	3	23165	8	#Max	QPSK	21.72	-0.76	18.81	PASS
NVNT	Band12	3	23165	15	#0	QPSK	21.64	-0.76	18.73	PASS

NVNT	Band12	3	23165	1	#0	16QAM	23.01	-0.76	20.10	PASS
NVNT	Band12	3	23165	1	#Mid	16QAM	22.94	-0.76	20.03	PASS
NVNT	Band12	3	23165	1	#Max	16QAM	22.85	-0.76	19.94	PASS
NVNT	Band12	3	23165	8	#0	16QAM	21.17	-0.76	18.26	PASS
NVNT	Band12	3	23165	8	#Mid	16QAM	21.24	-0.76	18.33	PASS
NVNT	Band12	3	23165	8	#Max	16QAM	21.13	-0.76	18.22	PASS
NVNT	Band12	3	23165	15	#0	16QAM	21.19	-0.76	18.28	PASS
NVNT	Band12	5	23035	1	#0	QPSK	22.95	-0.76	20.04	PASS
NVNT	Band12	5	23035	1	#Mid	QPSK	22.95	-0.76	20.04	PASS
NVNT	Band12	5	23035	1	#Max	QPSK	22.92	-0.76	20.01	PASS
NVNT	Band12	5	23035	12	#0	QPSK	22.42	-0.76	19.51	PASS
NVNT	Band12	5	23035	12	#Mid	QPSK	22.11	-0.76	19.20	PASS
NVNT	Band12	5	23035	12	#Max	QPSK	22.01	-0.76	19.10	PASS
NVNT	Band12	5	23035	25	#0	QPSK	22.04	-0.76	19.13	PASS
NVNT	Band12	5	23035	1	#0	16QAM	23.03	-0.76	20.12	PASS
NVNT	Band12	5	23035	1	#Mid	16QAM	22.63	-0.76	19.72	PASS
NVNT	Band12	5	23035	1	#Max	16QAM	22.63	-0.76	19.72	PASS
NVNT	Band12	5	23035	12	#0	16QAM	21.48	-0.76	18.57	PASS
NVNT	Band12	5	23035	12	#Mid	16QAM	21.01	-0.76	18.10	PASS
NVNT	Band12	5	23035	12	#Max	16QAM	20.95	-0.76	18.04	PASS
NVNT	Band12	5	23035	25	#0	16QAM	21.18	-0.76	18.27	PASS
NVNT	Band12	5	23095	1	#0	QPSK	23.01	-0.76	20.10	PASS
NVNT	Band12	5	23095	1	#Mid	QPSK	22.86	-0.76	19.95	PASS
NVNT	Band12	5	23095	1	#Max	QPSK	22.81	-0.76	19.90	PASS
NVNT	Band12	5	23095	12	#0	QPSK	22.45	-0.76	19.54	PASS
NVNT	Band12	5	23095	12	#Mid	QPSK	21.93	-0.76	19.02	PASS
NVNT	Band12	5	23095	12	#Max	QPSK	21.91	-0.76	19.00	PASS
NVNT	Band12	5	23095	25	#0	QPSK	21.93	-0.76	19.02	PASS
NVNT	Band12	5	23095	1	#0	16QAM	23.03	-0.76	20.12	PASS
NVNT	Band12	5	23095	1	#Mid	16QAM	22.42	-0.76	19.51	PASS
NVNT	Band12	5	23095	1	#Max	16QAM	22.42	-0.76	19.51	PASS
NVNT	Band12	5	23095	12	#0	16QAM	21.30	-0.76	18.39	PASS
NVNT	Band12	5	23095	12	#Mid	16QAM	20.74	-0.76	17.83	PASS
NVNT	Band12	5	23095	12	#Max	16QAM	20.70	-0.76	17.79	PASS
NVNT	Band12	5	23095	25	#0	16QAM	20.93	-0.76	18.02	PASS
NVNT	Band12	5	23155	1	#0	QPSK	22.61	-0.76	19.70	PASS
NVNT	Band12	5	23155	1	#Mid	QPSK	22.50	-0.76	19.59	PASS
NVNT	Band12	5	23155	1	#Max	QPSK	22.41	-0.76	19.50	PASS
NVNT	Band12	5	23155	12	#0	QPSK	21.93	-0.76	19.02	PASS
NVNT	Band12	5	23155	12	#Mid	QPSK	21.77	-0.76	18.86	PASS
NVNT	Band12	5	23155	12	#Max	QPSK	21.76	-0.76	18.85	PASS
NVNT	Band12	5	23155	25	#0	QPSK	21.77	-0.76	18.86	PASS

NVNT	Band12	5	23155	1	#0	16QAM	22.93	-0.76	20.02	PASS
NVNT	Band12	5	23155	1	#Mid	16QAM	22.72	-0.76	19.81	PASS
NVNT	Band12	5	23155	1	#Max	16QAM	22.67	-0.76	19.76	PASS
NVNT	Band12	5	23155	12	#0	16QAM	20.85	-0.76	17.94	PASS
NVNT	Band12	5	23155	12	#Mid	16QAM	21.10	-0.76	18.19	PASS
NVNT	Band12	5	23155	12	#Max	16QAM	21.10	-0.76	18.19	PASS
NVNT	Band12	5	23155	25	#0	16QAM	21.34	-0.76	18.43	PASS
NVNT	Band12	10	23060	1	#0	QPSK	23.03	-0.76	20.12	PASS
NVNT	Band12	10	23060	1	#Mid	QPSK	22.99	-0.76	20.08	PASS
NVNT	Band12	10	23060	1	#Max	QPSK	22.82	-0.76	19.91	PASS
NVNT	Band12	10	23060	25	#0	QPSK	22.11	-0.76	19.20	PASS
NVNT	Band12	10	23060	25	#Mid	QPSK	22.11	-0.76	19.20	PASS
NVNT	Band12	10	23060	25	#Max	QPSK	22.40	-0.76	19.49	PASS
NVNT	Band12	10	23060	50	#0	QPSK	22.01	-0.76	19.10	PASS
NVNT	Band12	10	23060	1	#0	16QAM	23.94	-0.76	21.03	PASS
NVNT	Band12	10	23060	1	#Mid	16QAM	23.44	-0.76	20.53	PASS
NVNT	Band12	10	23060	1	#Max	16QAM	23.38	-0.76	20.47	PASS
NVNT	Band12	10	23060	25	#0	16QAM	20.94	-0.76	18.03	PASS
NVNT	Band12	10	23060	25	#Mid	16QAM	21.05	-0.76	18.14	PASS
NVNT	Band12	10	23060	25	#Max	16QAM	21.38	-0.76	18.47	PASS
NVNT	Band12	10	23060	50	#0	16QAM	21.13	-0.76	18.22	PASS
NVNT	Band12	10	23095	1	#0	QPSK	23.03	-0.76	20.12	PASS
NVNT	Band12	10	23095	1	#Mid	QPSK	22.90	-0.76	19.99	PASS
NVNT	Band12	10	23095	1	#Max	QPSK	22.89	-0.76	19.98	PASS
NVNT	Band12	10	23095	25	#0	QPSK	22.49	-0.76	19.58	PASS
NVNT	Band12	10	23095	25	#Mid	QPSK	21.94	-0.76	19.03	PASS
NVNT	Band12	10	23095	25	#Max	QPSK	21.89	-0.76	18.98	PASS
NVNT	Band12	10	23095	50	#0	QPSK	21.99	-0.76	19.08	PASS
NVNT	Band12	10	23095	1	#0	16QAM	22.52	-0.76	19.61	PASS
NVNT	Band12	10	23095	1	#Mid	16QAM	22.44	-0.76	19.53	PASS
NVNT	Band12	10	23095	1	#Max	16QAM	22.27	-0.76	19.36	PASS
NVNT	Band12	10	23095	25	#0	16QAM	21.57	-0.76	18.66	PASS
NVNT	Band12	10	23095	25	#Mid	16QAM	21.03	-0.76	18.12	PASS
NVNT	Band12	10	23095	25	#Max	16QAM	20.90	-0.76	17.99	PASS
NVNT	Band12	10	23095	50	#0	16QAM	21.01	-0.76	18.10	PASS
NVNT	Band12	10	23130	1	#0	QPSK	22.95	-0.76	20.04	PASS
NVNT	Band12	10	23130	1	#Mid	QPSK	22.72	-0.76	19.81	PASS
NVNT	Band12	10	23130	1	#Max	QPSK	22.66	-0.76	19.75	PASS
NVNT	Band12	10	23130	25	#0	QPSK	21.91	-0.76	19.00	PASS
NVNT	Band12	10	23130	25	#Mid	QPSK	21.81	-0.76	18.90	PASS
NVNT	Band12	10	23130	25	#Max	QPSK	21.75	-0.76	18.84	PASS
NVNT	Band12	10	23130	50	#0	QPSK	21.80	-0.76	18.89	PASS

NVNT	Band12	10	23130	1	#0	16QAM	23.26	-0.76	20.35	PASS
NVNT	Band12	10	23130	1	#Mid	16QAM	22.62	-0.76	19.71	PASS
NVNT	Band12	10	23130	1	#Max	16QAM	22.54	-0.76	19.63	PASS
NVNT	Band12	10	23130	25	#0	16QAM	20.92	-0.76	18.01	PASS
NVNT	Band12	10	23130	25	#Mid	16QAM	20.86	-0.76	17.95	PASS
NVNT	Band12	10	23130	25	#Max	16QAM	21.31	-0.76	18.40	PASS
NVNT	Band12	10	23130	50	#0	16QAM	20.74	-0.76	17.83	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	-33.82	-0.048	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	NT	-15.18	-0.022	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	HV	NT	-26.39	-0.038	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	LV	NT	-34.03	-0.049	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	NT	-17.32	-0.025	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	HV	NT	-26.97	-0.039	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	LV	NT	-9.37	-0.013	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	NT	-10.99	-0.016	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	HV	NT	-16.06	-0.023	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	LV	NT	-20.47	-0.029	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	NT	-24.03	-0.034	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	HV	NT	-27.69	-0.039	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	LV	NT	-10.34	-0.014	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	NT	-15.81	-0.022	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	HV	NT	-21.44	-0.030	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	LV	NT	-27.64	-0.039	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	NT	-28.48	-0.040	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	HV	NT	-29.43	-0.041	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	LV	NT	-26.38	-0.038	PASS

NVNT	Band1 2	3	23025	15	#0	QPSK	NV	NT	-17.77	-0.025	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	HV	NT	-42.94	-0.061	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	LV	NT	-10.29	-0.015	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	NT	-14.06	-0.020	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	HV	NT	-10.39	-0.015	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	LV	NT	13.06	0.018	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	NT	27.47	0.039	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	HV	NT	41.47	0.059	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	LV	NT	3.55	0.005	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	NT	14.49	0.020	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	HV	NT	25.19	0.036	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	LV	NT	3.78	0.005	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	NT	9.83	0.014	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	HV	NT	14.83	0.021	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	LV	NT	25.28	0.035	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	NT	34.68	0.049	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	HV	NT	21.74	0.030	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	LV	NT	-19.98	-0.028	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	NT	-43.22	-0.062	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	HV	NT	-9.26	-0.013	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	LV	NT	-17.34	-0.025	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	NT	-18.04	-0.026	PASS

	2										
NVNT	Band1 2	5	23035	25	#0	16QAM	HV	NT	-14.09	-0.020	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	LV	NT	8.88	0.013	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	NT	16.64	0.024	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	HV	NT	17.45	0.025	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	LV	NT	24.42	0.035	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	NT	29.91	0.042	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	HV	NT	37.84	0.053	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	LV	NT	11.34	0.016	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	NT	15.25	0.021	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	HV	NT	21.51	0.030	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	LV	NT	27.45	0.038	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	NT	37.58	0.053	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	HV	NT	26.87	0.038	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	LV	NT	-20.48	-0.029	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	NT	-22.29	-0.032	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	HV	NT	-25.81	-0.037	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	LV	NT	-35.23	-0.050	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	NT	-31.39	-0.045	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	HV	NT	-23.99	-0.034	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	LV	NT	7.78	0.011	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	NT	12.56	0.018	PASS

NVNT	Band1 2	10	23095	50	#0	QPSK	HV	NT	16.78	0.024	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	LV	NT	23.36	0.033	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	NT	28.02	0.040	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	HV	NT	34.46	0.049	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	LV	NT	5.51	0.008	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	NT	3.49	0.005	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	HV	NT	0.67	0.001	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	LV	NT	5.87	0.008	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	NT	14.65	0.021	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	HV	NT	22.13	0.031	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	5.24	0.007	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	-20	4.16	0.006	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	0	1.69	0.002	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	10	0.51	0.001	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	20	-0.51	-0.001	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	30	-3.43	-0.005	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	40	-6.49	-0.009	PASS
NVNT	Band1 2	1.4	23017	6	#0	QPSK	NV	50	-4.92	-0.007	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	-30	-6.81	-0.010	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	-20	-6.55	-0.009	PASS

	2										
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	0	-6.79	-0.010	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	10	-7.65	-0.011	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	20	-5.97	-0.009	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	30	-6.08	-0.009	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	40	-7.35	-0.011	PASS
NVNT	Band1 2	1.4	23017	6	#0	16QAM	NV	50	-5.81	-0.008	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	-30	-6.17	-0.009	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	-20	-5.08	-0.007	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	0	-4.46	-0.006	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	10	-6.44	-0.009	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	20	-6.07	-0.009	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	30	-5.11	-0.007	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	40	-4.85	-0.007	PASS
NVNT	Band1 2	1.4	23095	6	#0	QPSK	NV	50	-5.25	-0.007	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	-30	-5.79	-0.008	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	-20	-5.06	-0.007	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	0	-4.69	-0.007	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	10	-3.83	-0.005	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	20	-4.52	-0.006	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	30	-3.62	-0.005	PASS
NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	40	-5.25	-0.007	PASS

NVNT	Band1 2	1.4	23095	6	#0	16QAM	NV	50	-3.52	-0.005	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	-30	0.99	0.001	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	-20	1.59	0.002	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	0	0.92	0.001	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	10	-0.09	0.000	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	20	-1.60	-0.002	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	30	-5.56	-0.008	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	40	-6.78	-0.009	PASS
NVNT	Band1 2	1.4	23173	6	#0	QPSK	NV	50	-7.40	-0.010	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	-30	-9.30	-0.013	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	-20	-9.03	-0.013	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	0	-8.74	-0.012	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	10	-8.61	-0.012	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	20	-8.57	-0.012	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	30	-8.51	-0.012	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	40	-7.62	-0.011	PASS
NVNT	Band1 2	1.4	23173	6	#0	16QAM	NV	50	-6.48	-0.009	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	-30	1.14	0.002	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	-20	-0.56	-0.001	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	0	-3.71	-0.005	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	10	-6.22	-0.009	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	20	-11.12	-0.016	PASS

	2										
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	30	-15.16	-0.022	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	40	-16.82	-0.024	PASS
NVNT	Band1 2	3	23025	15	#0	QPSK	NV	50	-20.83	-0.030	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	-30	-20.17	-0.029	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	-20	-21.79	-0.031	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	0	-21.83	-0.031	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	10	-22.27	-0.032	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	20	-22.79	-0.033	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	30	-23.40	-0.033	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	40	-24.30	-0.035	PASS
NVNT	Band1 2	3	23025	15	#0	16QAM	NV	50	-22.57	-0.032	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	-30	-6.28	-0.009	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	-20	-5.44	-0.008	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	0	-5.52	-0.008	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	10	-6.62	-0.009	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	20	-6.71	-0.009	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	30	-8.05	-0.011	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	40	-7.91	-0.011	PASS
NVNT	Band1 2	3	23095	15	#0	QPSK	NV	50	-8.74	-0.012	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	-30	-9.93	-0.014	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	-20	-10.16	-0.014	PASS

NVNT	Band1 2	3	23095	15	#0	16QAM	NV	0	-9.78	-0.014	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	10	-13.70	-0.019	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	20	-10.84	-0.015	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	30	-11.04	-0.016	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	40	-9.36	-0.013	PASS
NVNT	Band1 2	3	23095	15	#0	16QAM	NV	50	-7.58	-0.011	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	-30	-13.39	-0.019	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	-20	-13.20	-0.018	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	0	-15.45	-0.022	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	10	-18.12	-0.025	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	20	-19.11	-0.027	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	30	-21.44	-0.030	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	40	-22.16	-0.031	PASS
NVNT	Band1 2	3	23165	15	#0	QPSK	NV	50	-23.88	-0.033	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	-30	-25.08	-0.035	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	-20	-25.84	-0.036	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	0	-27.55	-0.039	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	10	-30.84	-0.043	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	20	-33.40	-0.047	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	30	-33.16	-0.046	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	40	-33.29	-0.047	PASS
NVNT	Band1 2	3	23165	15	#0	16QAM	NV	50	-31.69	-0.044	PASS

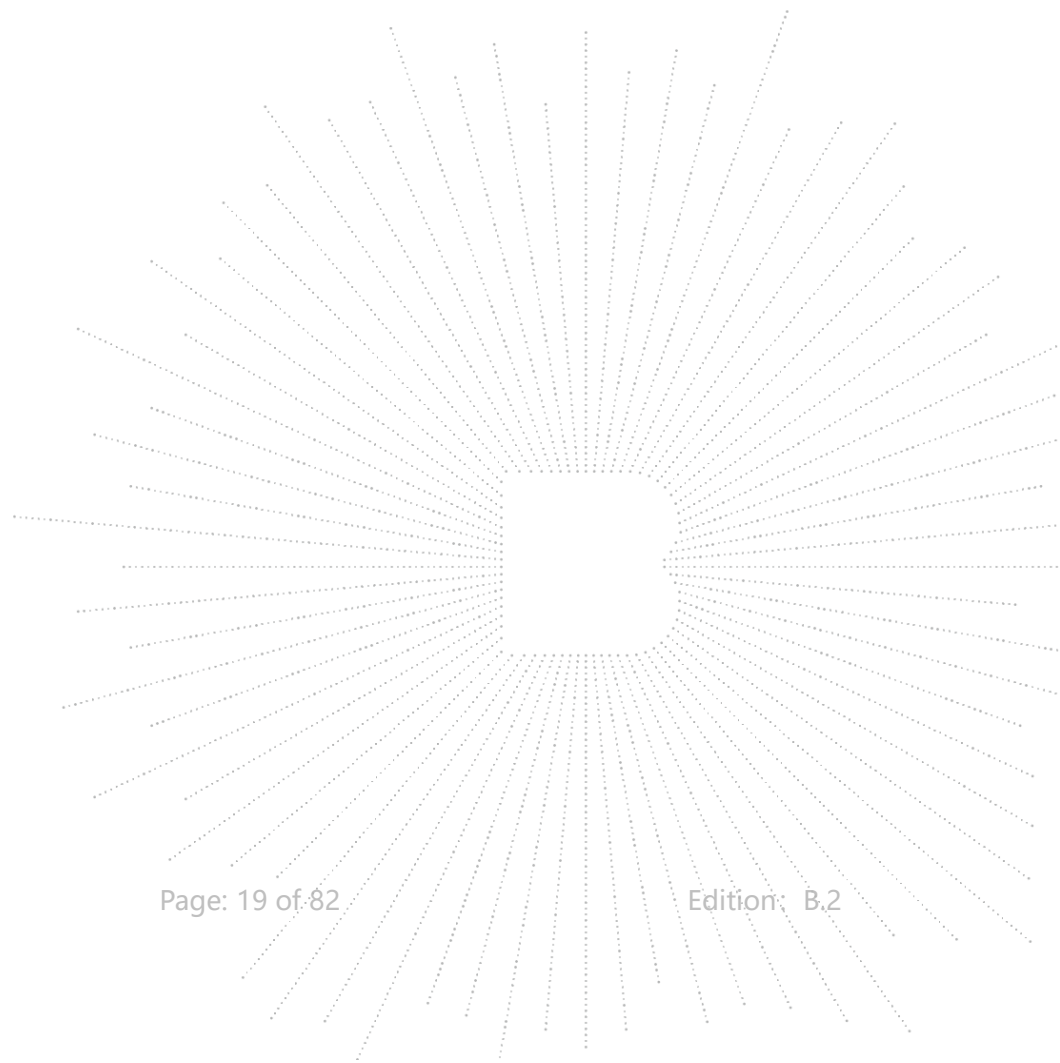
	2										
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	-30	3.08	0.004	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	-20	4.18	0.006	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	0	-2.16	-0.003	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	10	-3.73	-0.005	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	20	-5.18	-0.007	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	30	-6.08	-0.009	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	40	-5.91	-0.008	PASS
NVNT	Band1 2	5	23035	25	#0	QPSK	NV	50	-7.88	-0.011	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	-30	-6.98	-0.010	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	-20	-6.54	-0.009	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	0	-8.35	-0.012	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	10	-7.08	-0.010	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	20	-6.62	-0.009	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	30	-7.48	-0.011	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	40	-6.12	-0.009	PASS
NVNT	Band1 2	5	23035	25	#0	16QAM	NV	50	-6.29	-0.009	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	-30	2.66	0.004	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	-20	3.68	0.005	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	0	3.71	0.005	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	10	2.17	0.003	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	20	1.60	0.002	PASS

NVNT	Band1 2	5	23095	25	#0	QPSK	NV	30	2.69	0.004	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	40	2.15	0.003	PASS
NVNT	Band1 2	5	23095	25	#0	QPSK	NV	50	-0.36	-0.001	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	-30	-1.29	-0.002	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	-20	1.92	0.003	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	0	0.01	0.000	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	10	-0.92	-0.001	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	20	0.70	0.001	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	30	1.75	0.002	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	40	1.36	0.002	PASS
NVNT	Band1 2	5	23095	25	#0	16QAM	NV	50	1.40	0.002	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	-30	2.37	0.003	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	-20	1.29	0.002	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	0	-1.95	-0.003	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	10	-2.00	-0.003	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	20	-0.60	-0.001	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	30	-2.26	-0.003	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	40	-2.05	-0.003	PASS
NVNT	Band1 2	5	23155	25	#0	QPSK	NV	50	-2.56	-0.004	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	-30	-2.79	-0.004	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	-20	-3.03	-0.004	PASS
NVNT	Band1	5	23155	25	#0	16QAM	NV	0	-3.38	-0.005	PASS

	2										
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	10	-2.47	-0.003	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	20	-4.22	-0.006	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	30	-4.53	-0.006	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	40	-3.55	-0.005	PASS
NVNT	Band1 2	5	23155	25	#0	16QAM	NV	50	-5.82	-0.008	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	-30	1.66	0.002	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	-20	-1.20	-0.002	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	0	-3.71	-0.005	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	10	-6.82	-0.010	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	20	-10.97	-0.016	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	30	-11.16	-0.016	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	40	-9.97	-0.014	PASS
NVNT	Band1 2	10	23060	50	#0	QPSK	NV	50	-11.47	-0.016	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	-30	-11.30	-0.016	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	-20	-10.94	-0.016	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	0	-11.29	-0.016	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	10	-11.46	-0.016	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	20	-11.42	-0.016	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	30	-11.10	-0.016	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	40	-11.22	-0.016	PASS
NVNT	Band1 2	10	23060	50	#0	16QAM	NV	50	-11.29	-0.016	PASS

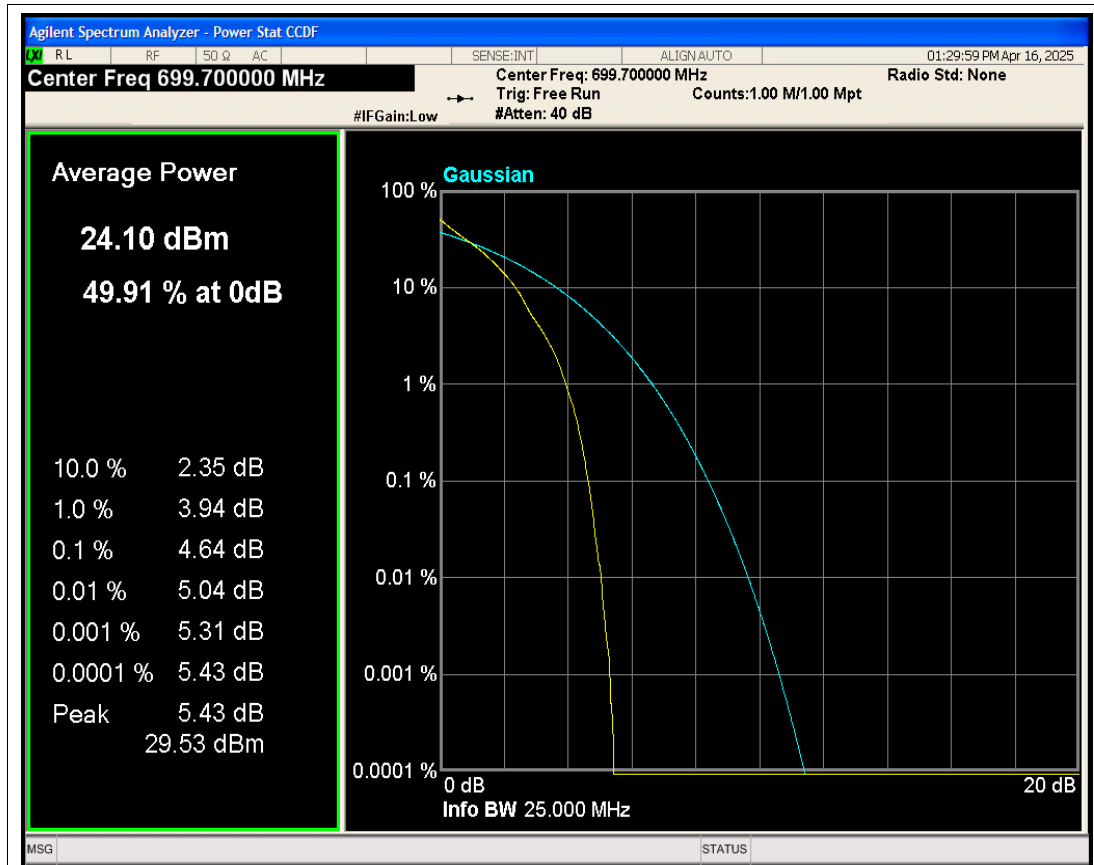
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	-30	1.43	0.002	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	-20	1.52	0.002	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	0	1.10	0.002	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	10	0.92	0.001	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	20	-0.04	0.000	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	30	-0.04	0.000	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	40	0.72	0.001	PASS
NVNT	Band1 2	10	23095	50	#0	QPSK	NV	50	-0.33	0.000	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	-30	-1.10	-0.002	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	-20	0.01	0.000	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	0	0.83	0.001	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	10	-0.24	0.000	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	20	-3.16	-0.004	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	30	-4.09	-0.006	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	40	-7.64	-0.011	PASS
NVNT	Band1 2	10	23095	50	#0	16QAM	NV	50	-8.50	-0.012	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	-30	-5.04	-0.007	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	-20	-1.44	-0.002	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	0	-9.88	-0.014	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	10	-7.47	-0.011	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	20	-6.79	-0.010	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	30	-5.42	-0.008	PASS

	2										
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	40	-4.29	-0.006	PASS
NVNT	Band1 2	10	23130	50	#0	QPSK	NV	50	-5.02	-0.007	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	-30	-5.09	-0.007	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	-20	-3.32	-0.005	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	0	-3.30	-0.005	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	10	-2.88	-0.004	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	20	-2.86	-0.004	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	30	-0.31	0.000	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	40	-0.39	-0.001	PASS
NVNT	Band1 2	10	23130	50	#0	16QAM	NV	50	0.07	0.000	PASS

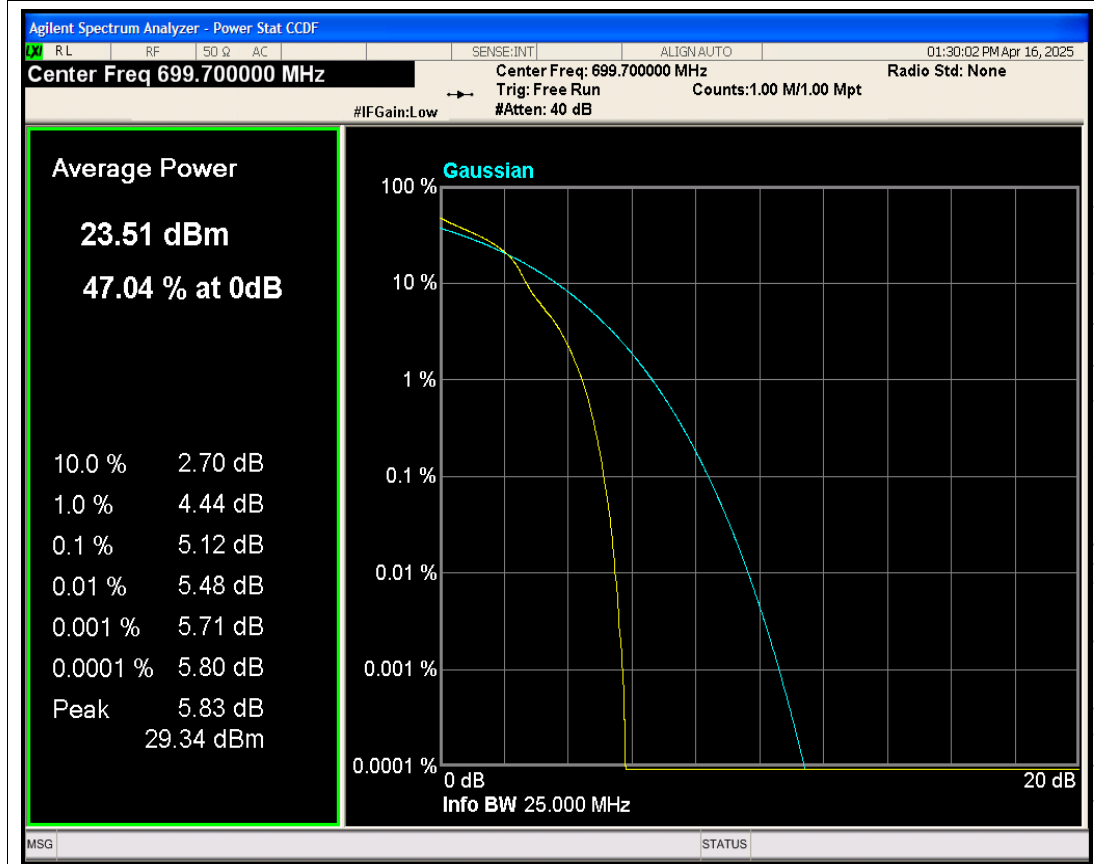


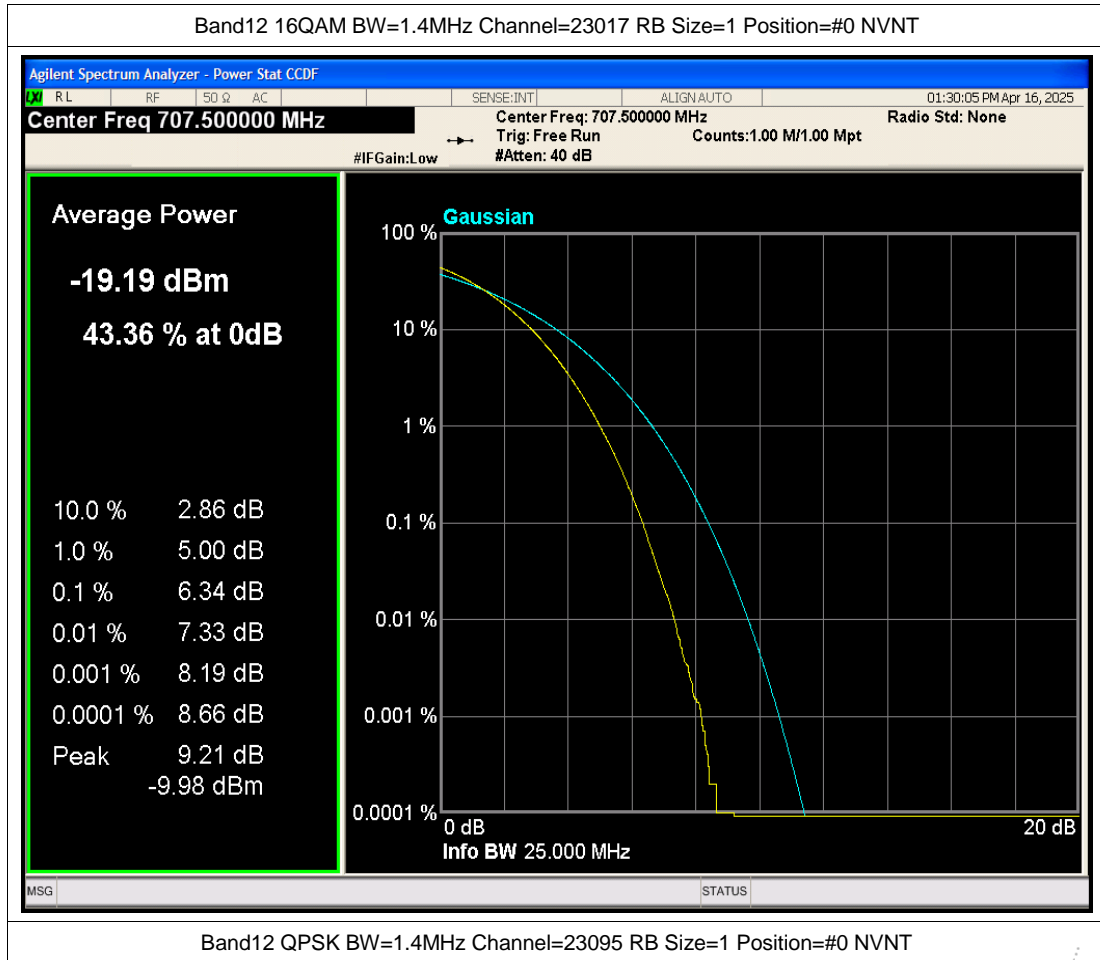
Appendix 3. Peak-to-Average Ratio

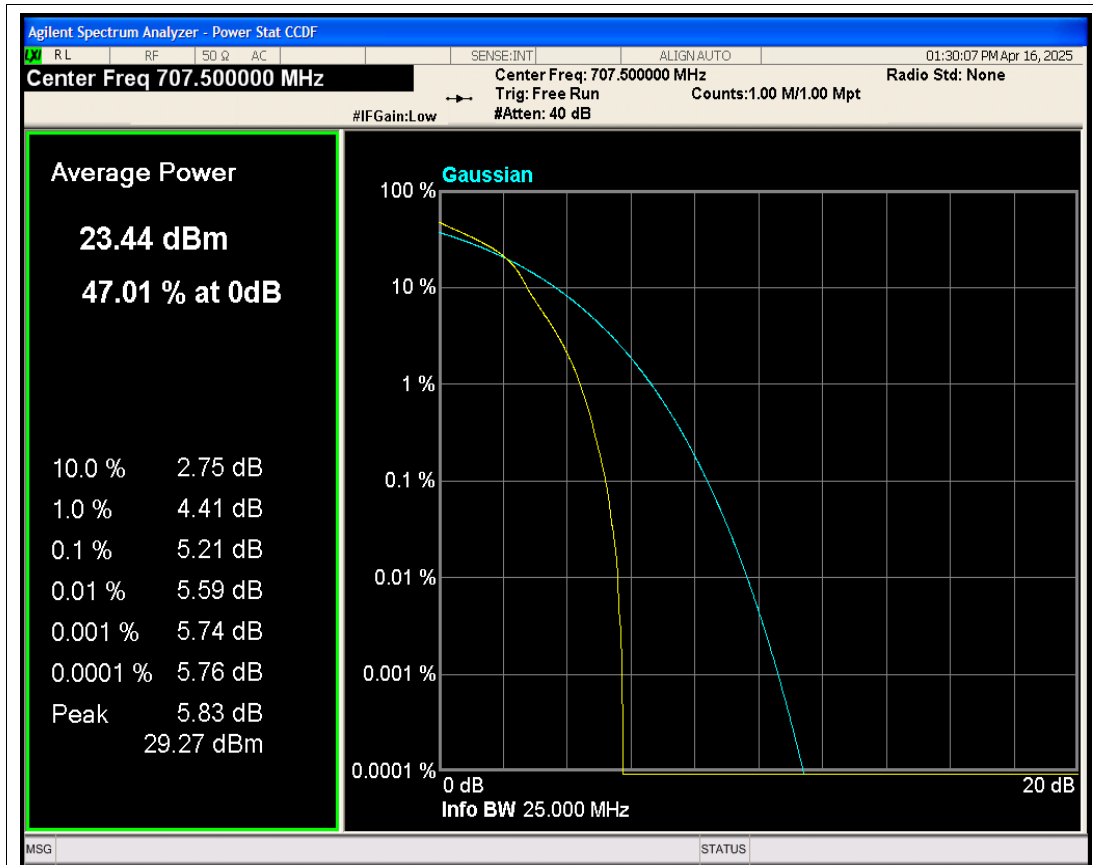
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band12	1.4	23017	1	#0	QPSK	4.64	13	PASS
NVNT	Band12	1.4	23017	1	#0	16QAM	5.12	13	PASS
NVNT	Band12	1.4	23095	1	#0	QPSK	6.34	13	PASS
NVNT	Band12	1.4	23095	1	#0	16QAM	5.21	13	PASS
NVNT	Band12	1.4	23173	1	#0	QPSK	5.31	13	PASS
NVNT	Band12	1.4	23173	1	#0	16QAM	6.06	13	PASS
NVNT	Band12	3	23025	1	#0	QPSK	4.88	13	PASS
NVNT	Band12	3	23025	1	#0	16QAM	5.46	13	PASS
NVNT	Band12	3	23095	1	#0	QPSK	4.76	13	PASS
NVNT	Band12	3	23095	1	#0	16QAM	4.93	13	PASS
NVNT	Band12	3	23165	1	#0	QPSK	5.05	13	PASS
NVNT	Band12	3	23165	1	#0	16QAM	5.60	13	PASS
NVNT	Band12	5	23035	1	#0	QPSK	5.10	13	PASS
NVNT	Band12	5	23035	1	#0	16QAM	5.40	13	PASS
NVNT	Band12	5	23095	1	#0	QPSK	4.57	13	PASS
NVNT	Band12	5	23095	1	#0	16QAM	4.80	13	PASS
NVNT	Band12	5	23155	1	#0	QPSK	5.20	13	PASS
NVNT	Band12	5	23155	1	#0	16QAM	5.72	13	PASS
NVNT	Band12	10	23060	1	#0	QPSK	4.72	13	PASS
NVNT	Band12	10	23060	1	#0	16QAM	5.26	13	PASS
NVNT	Band12	10	23095	1	#0	QPSK	3.98	13	PASS
NVNT	Band12	10	23095	1	#0	16QAM	4.75	13	PASS
NVNT	Band12	10	23130	1	#0	QPSK	4.68	13	PASS
NVNT	Band12	10	23130	1	#0	16QAM	5.26	13	PASS



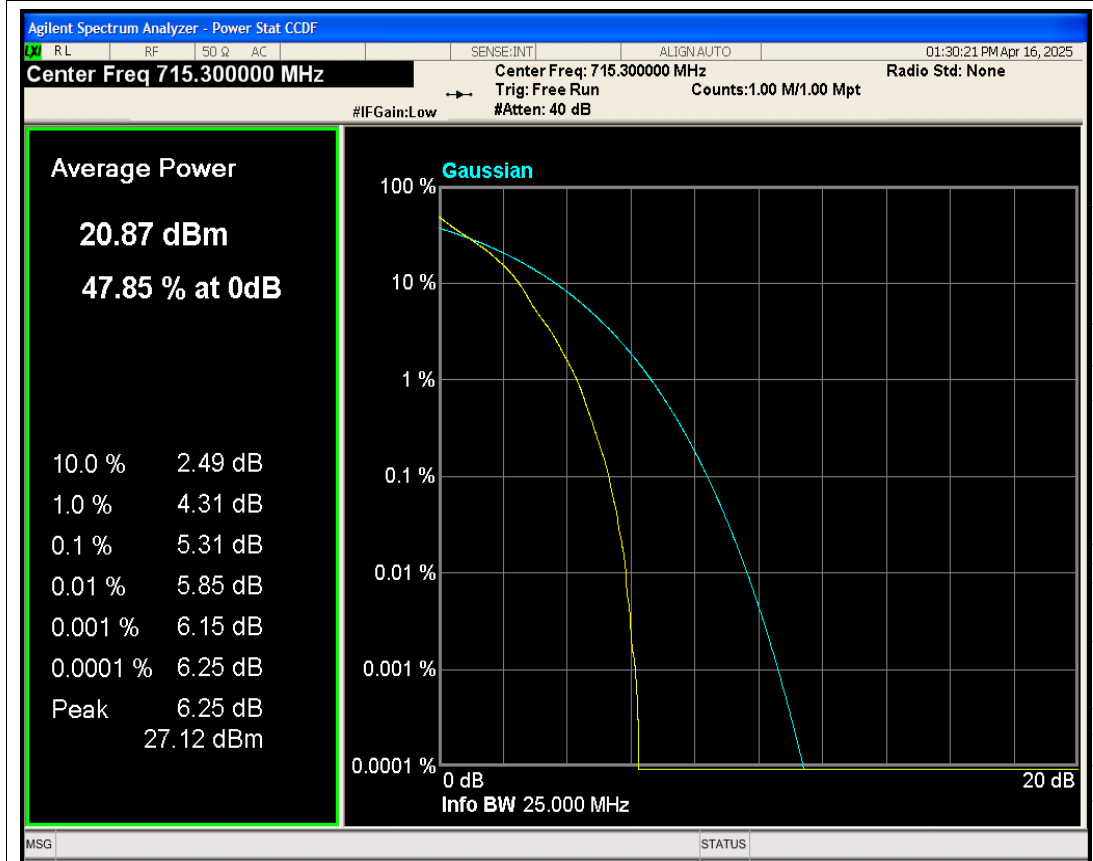
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0 NVNT

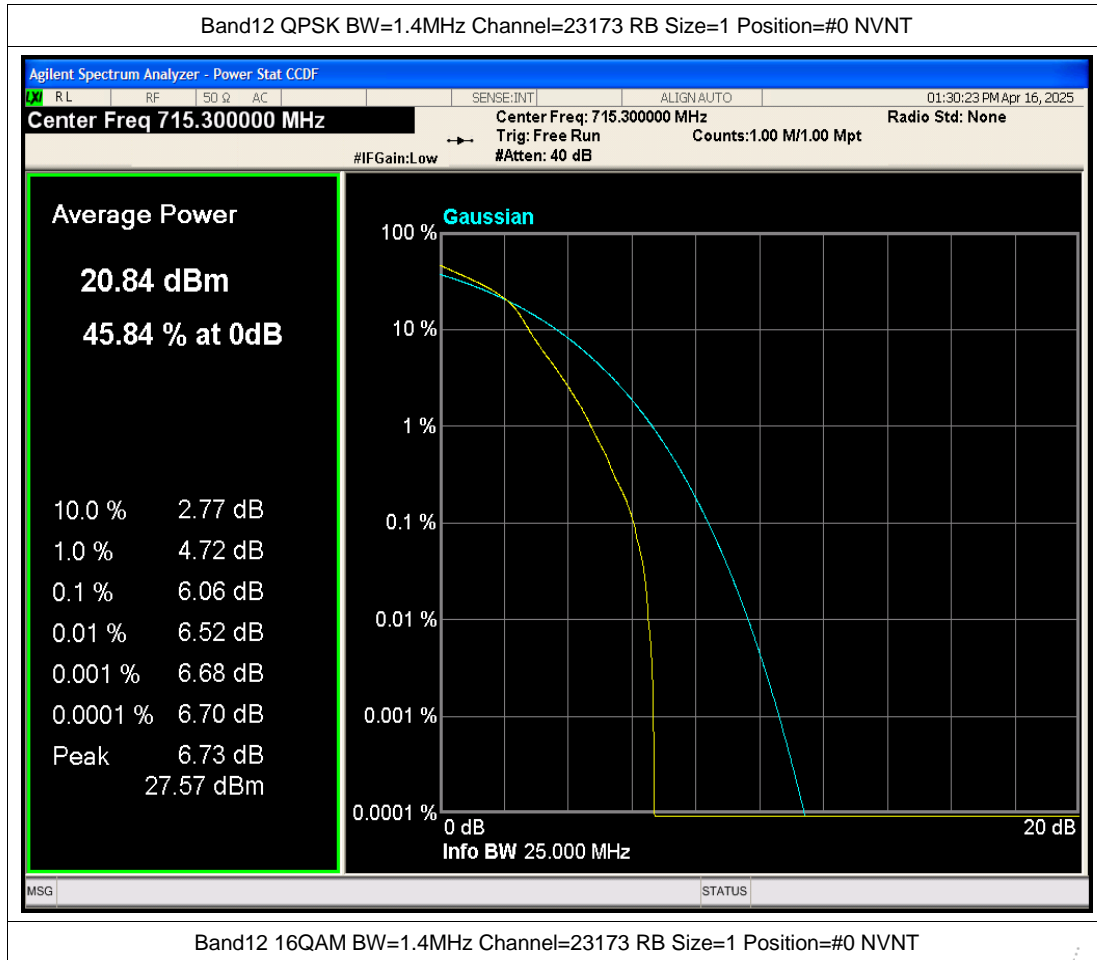


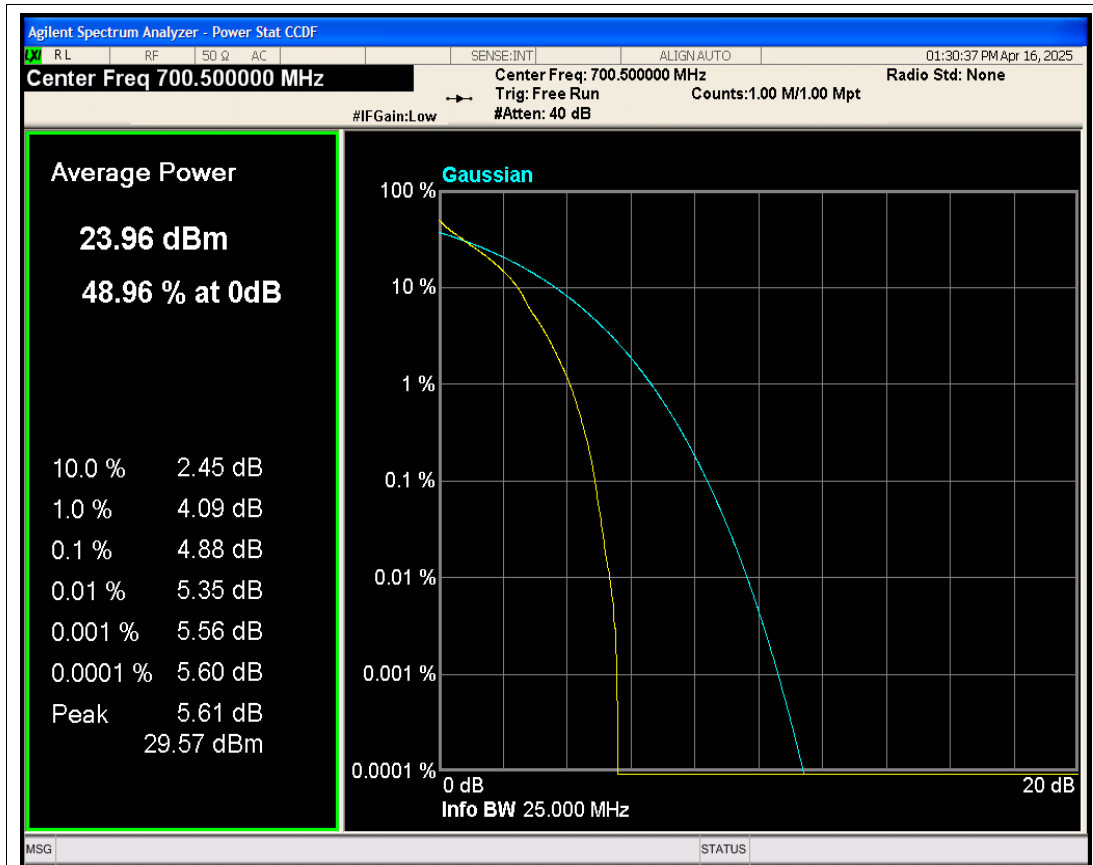




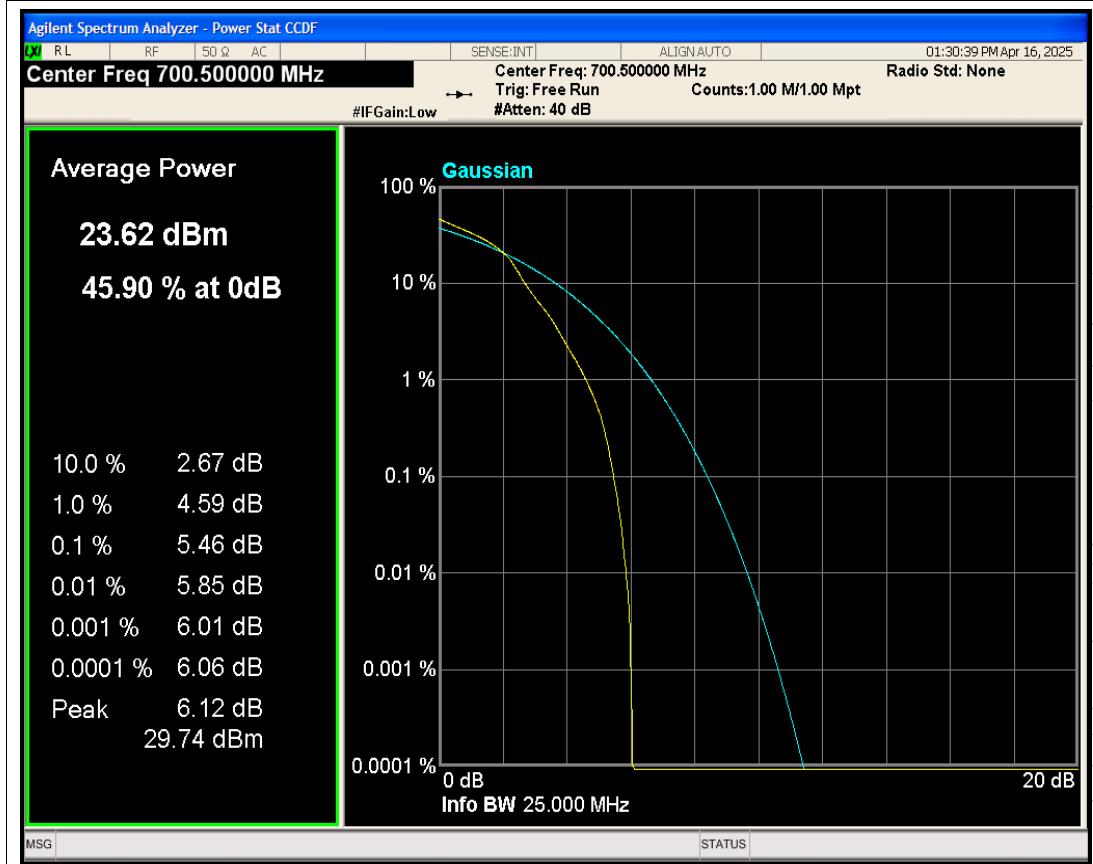
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0 NVNT

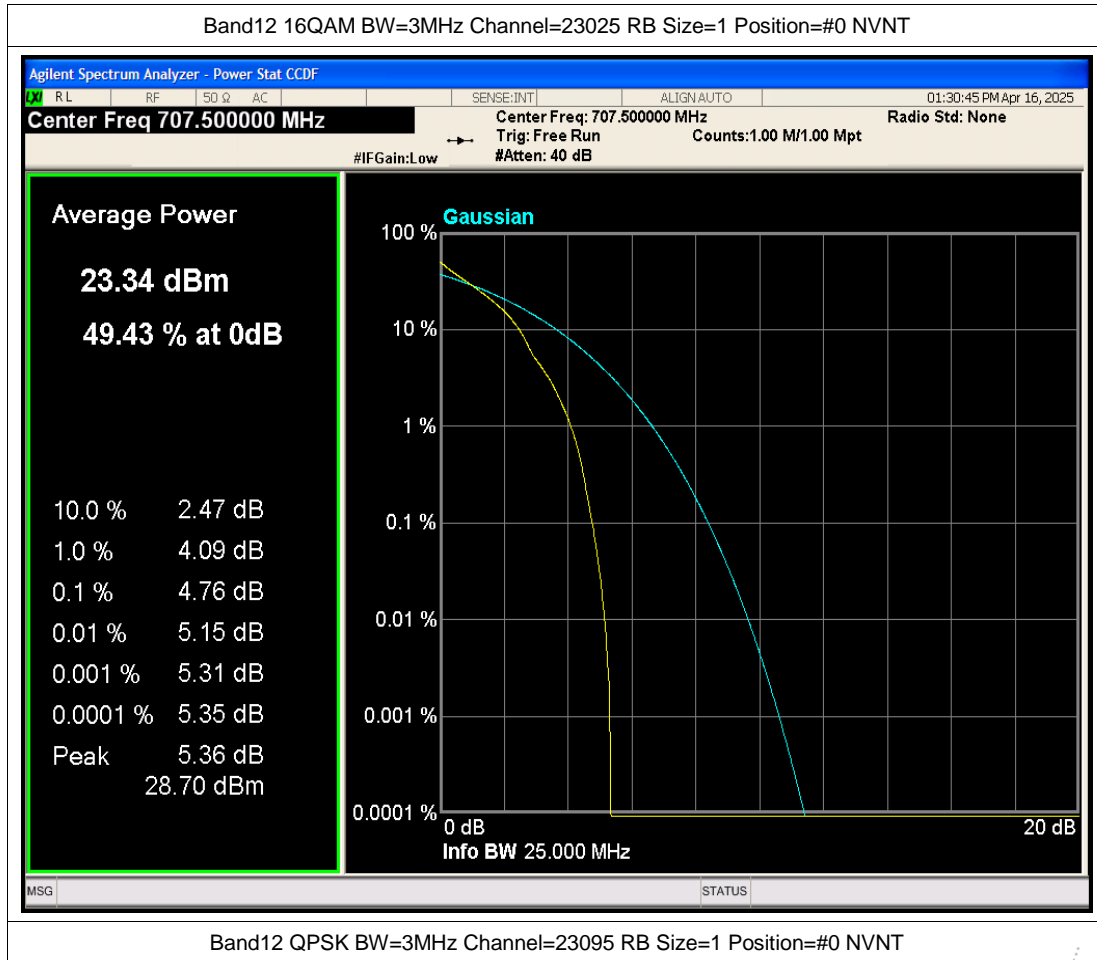


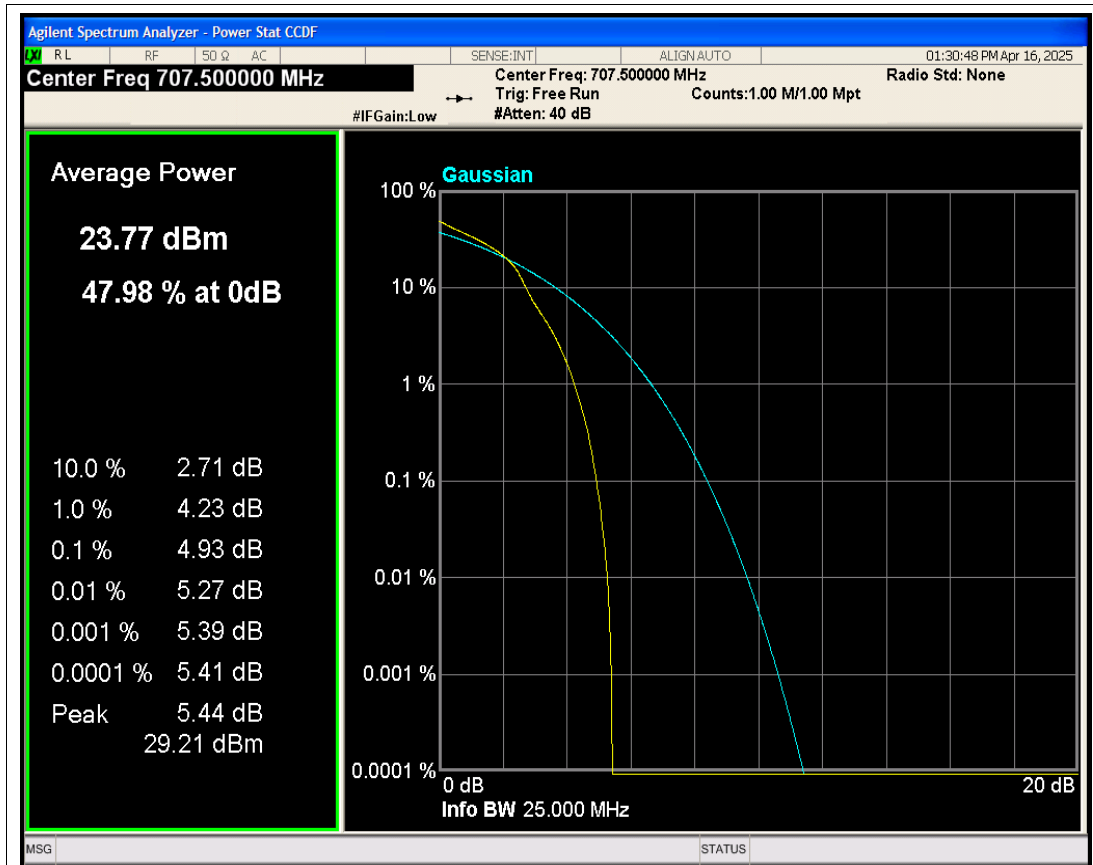




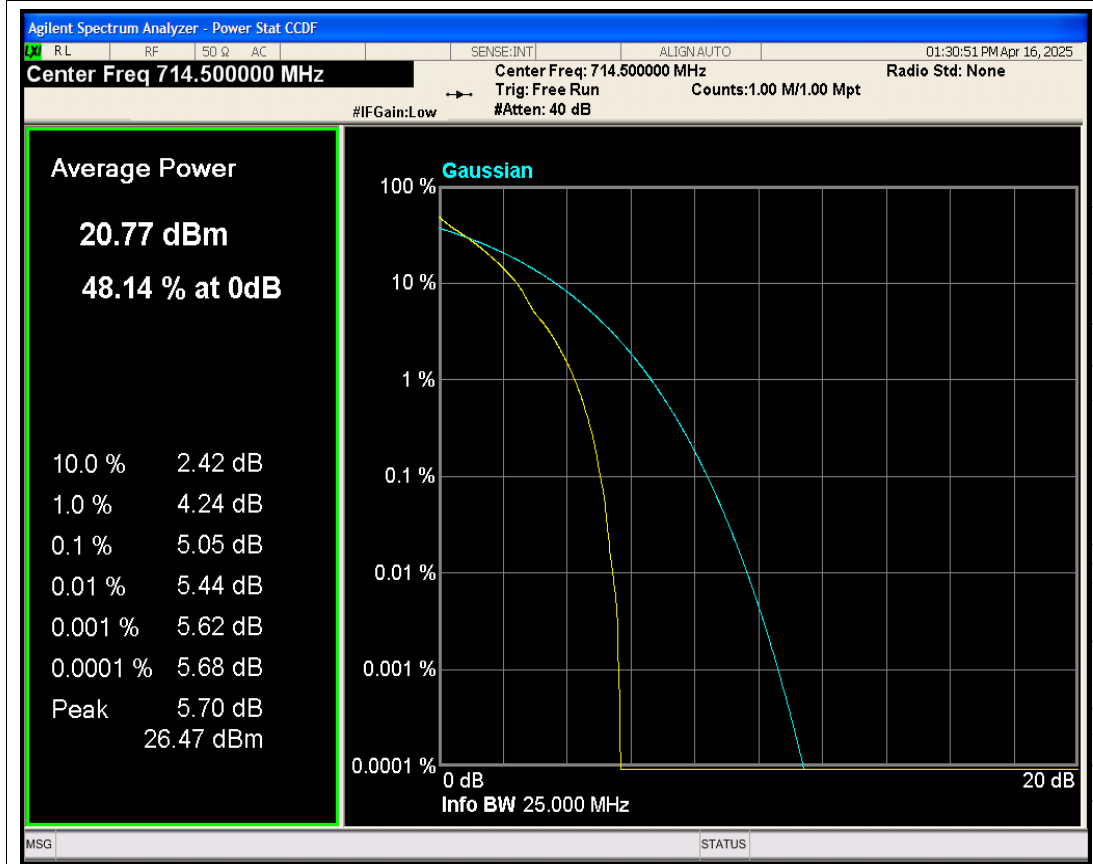
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0 NVNT

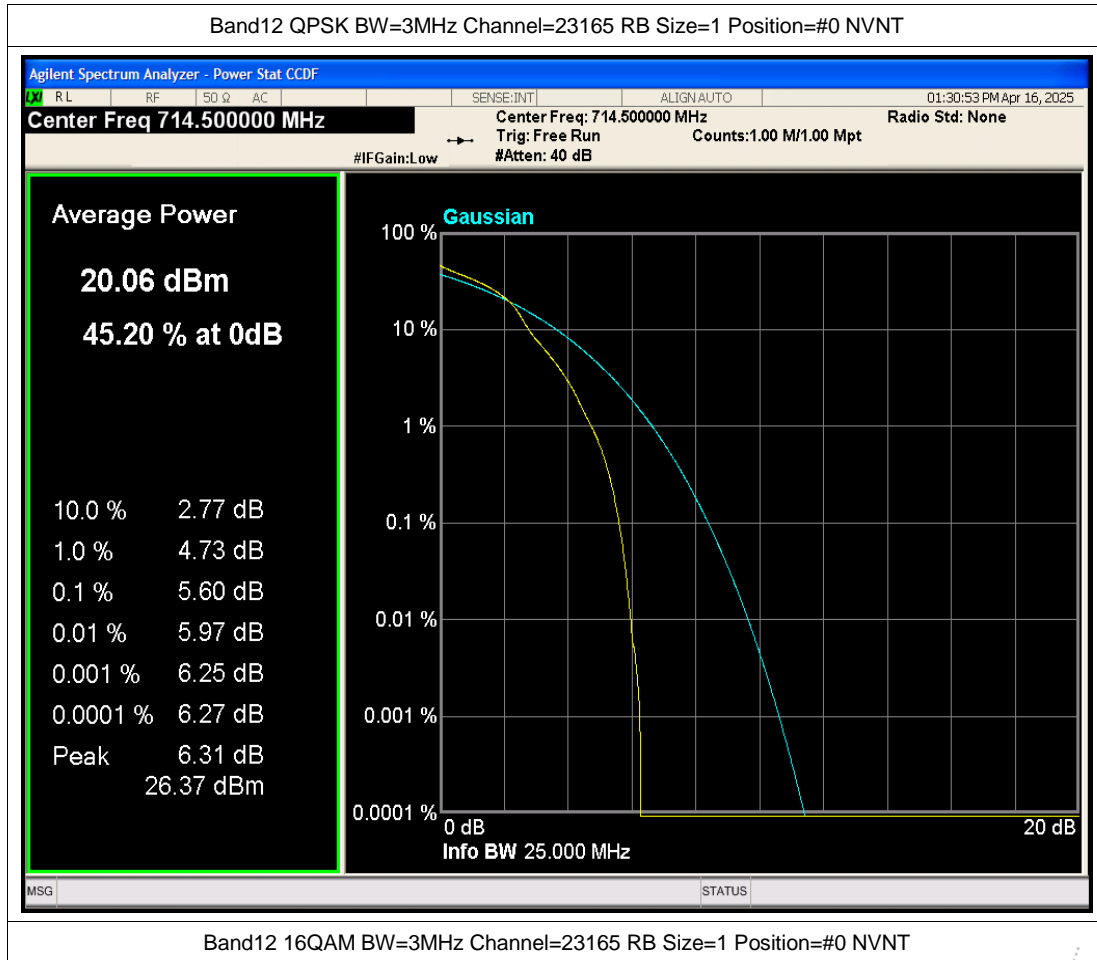


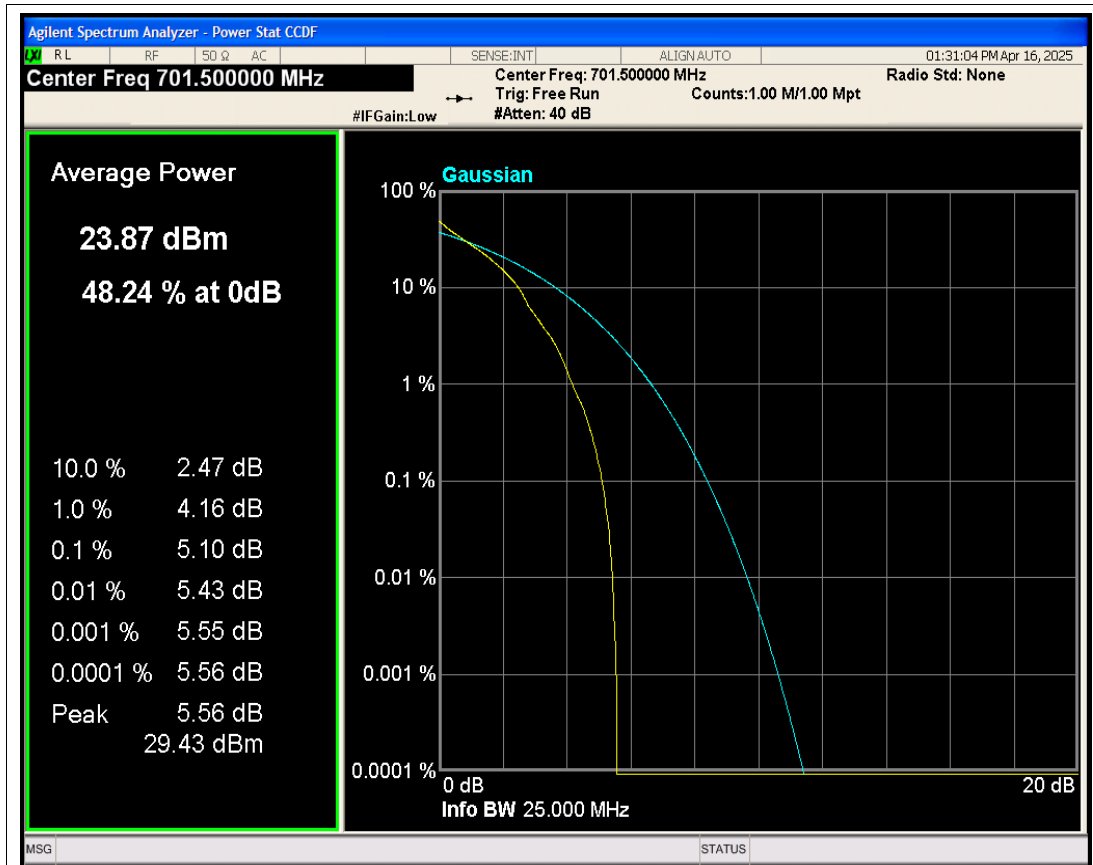




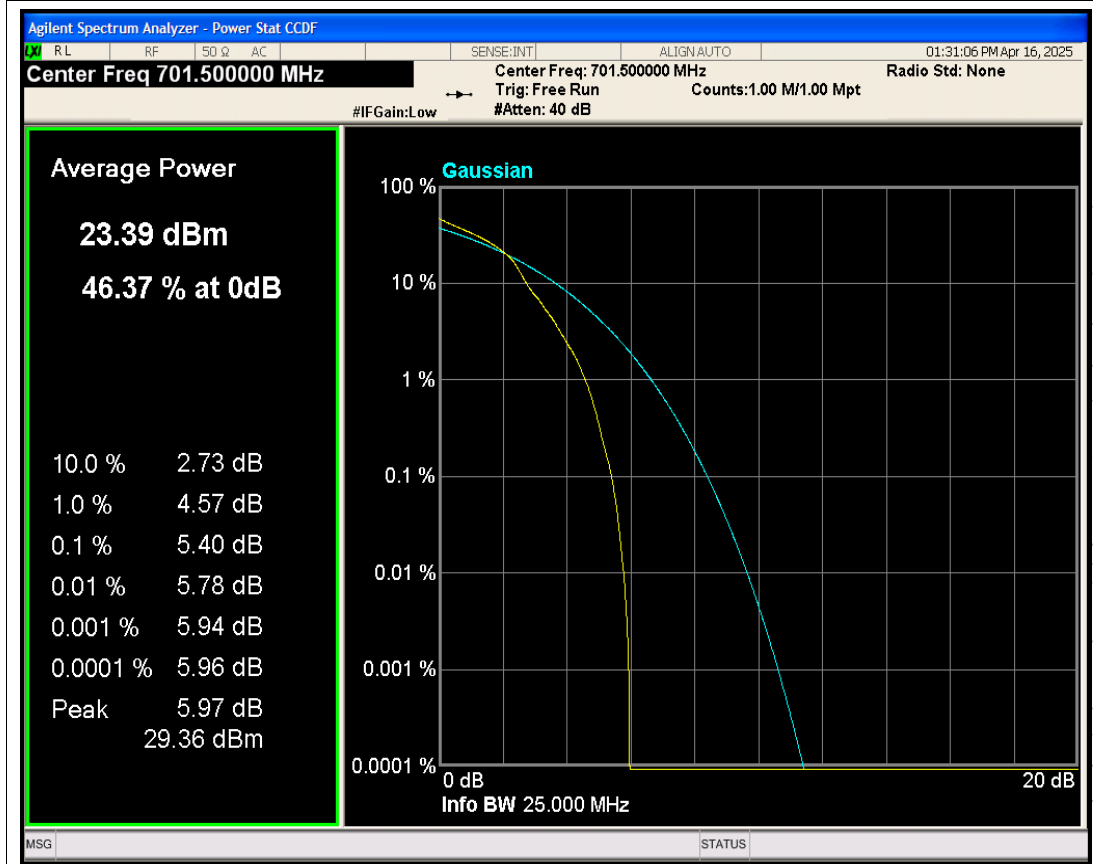
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0 NVNT

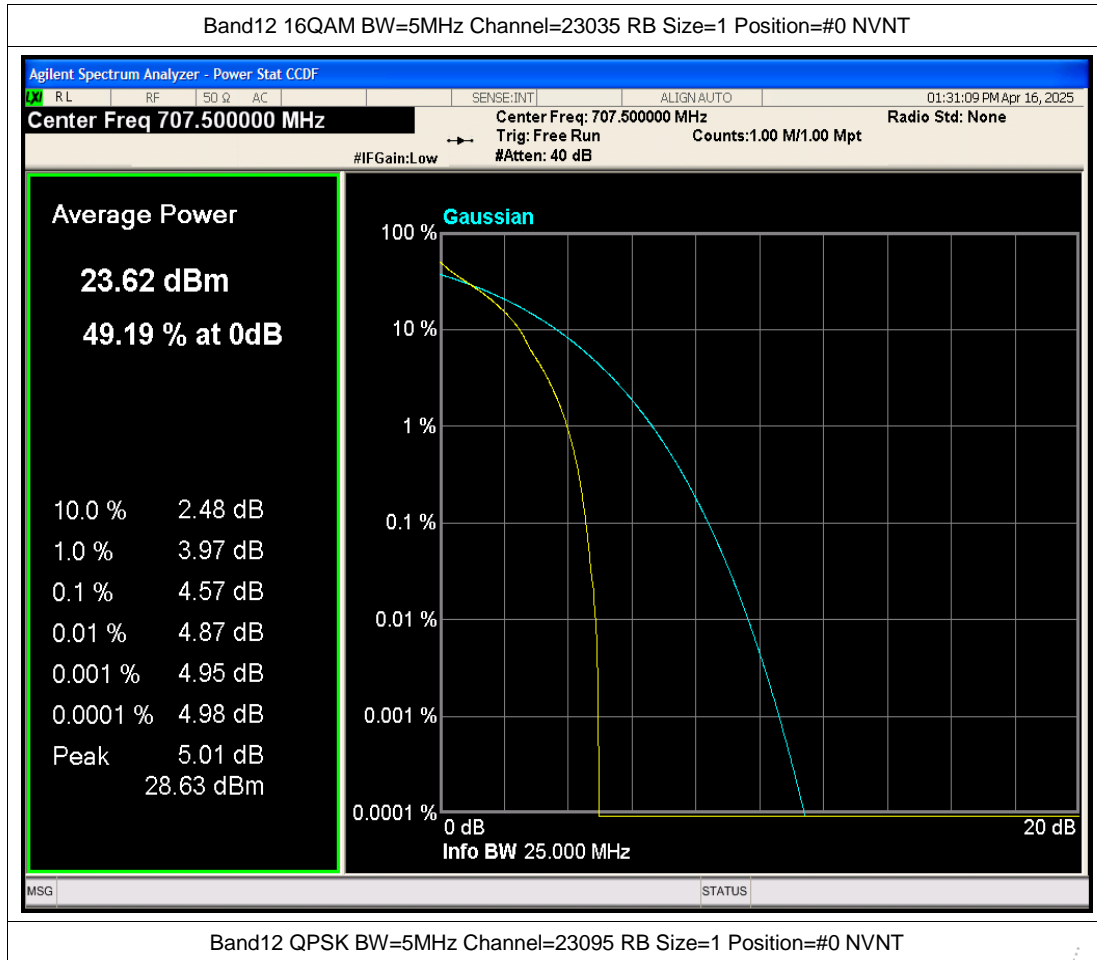


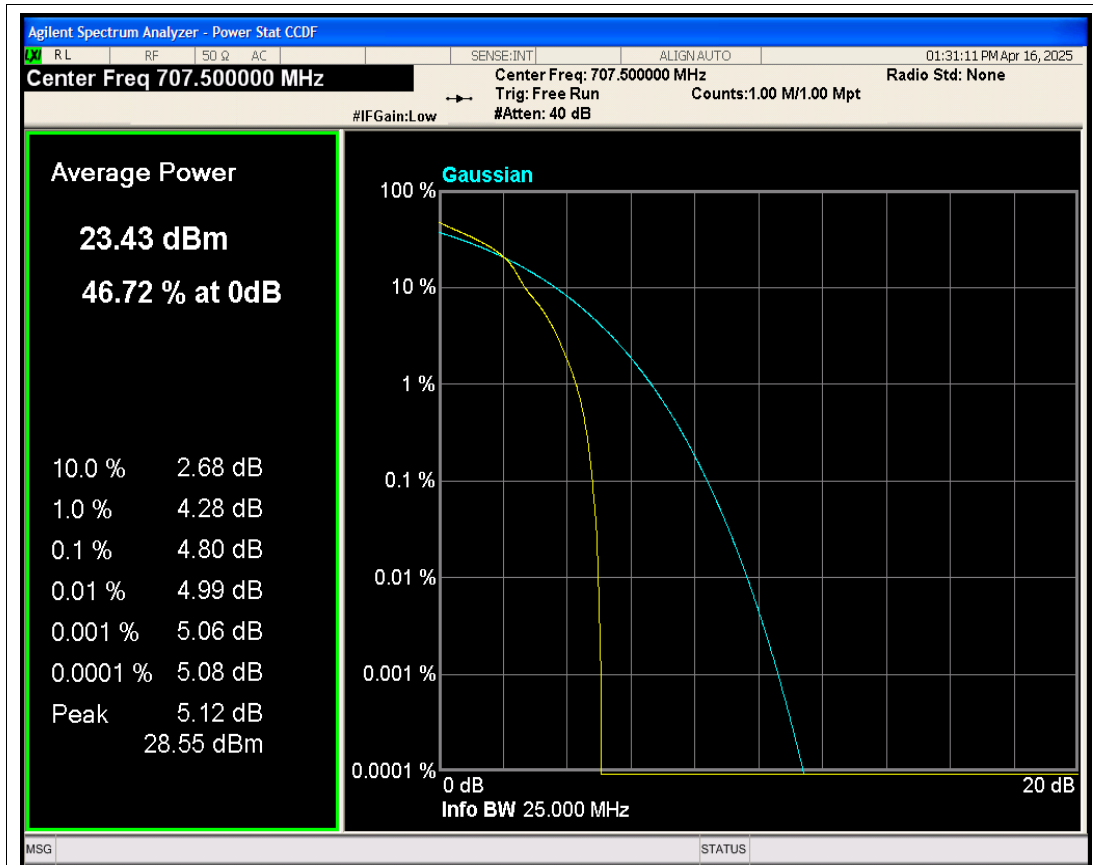




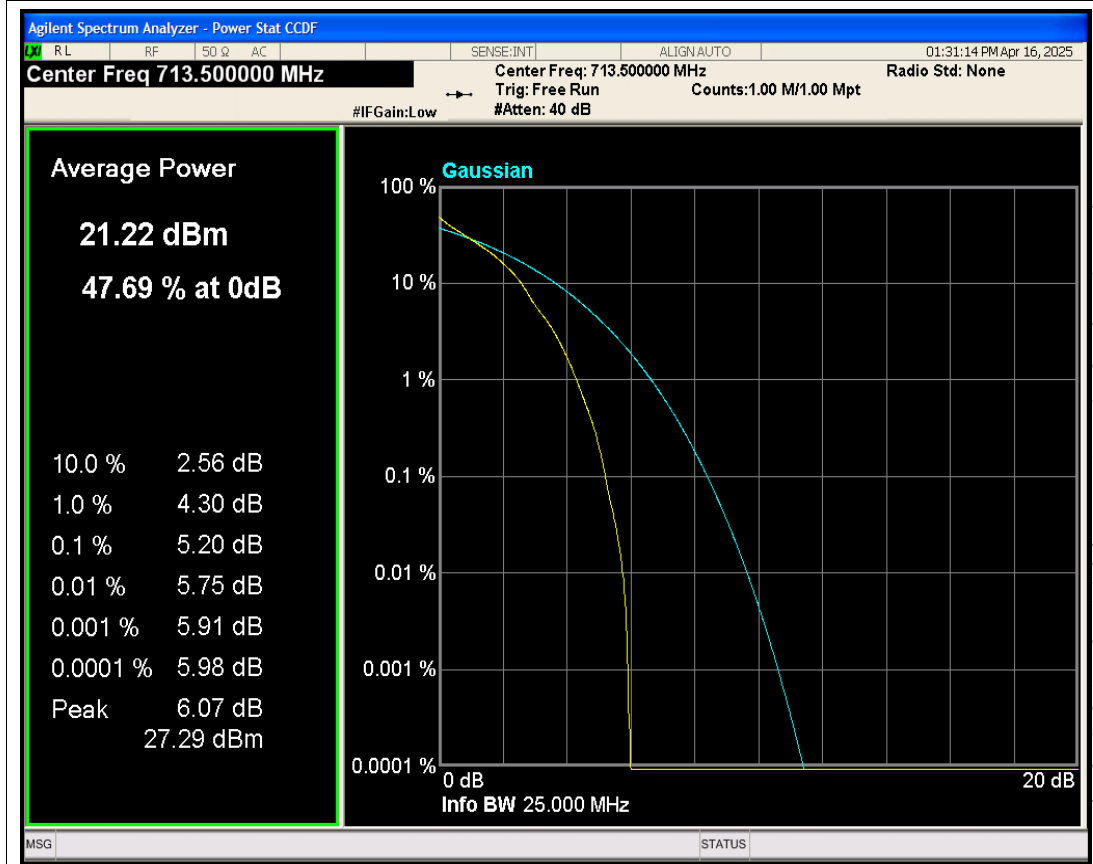
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0 NVNT

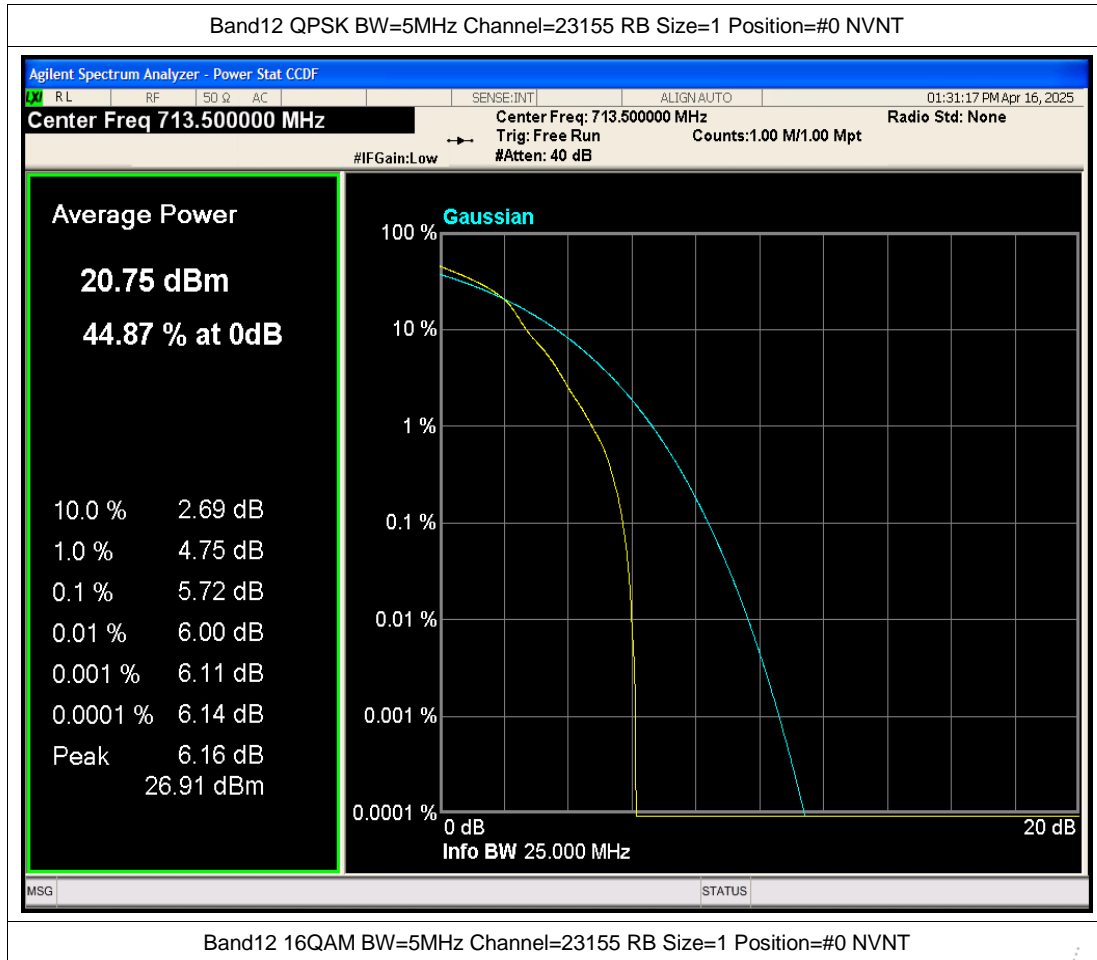


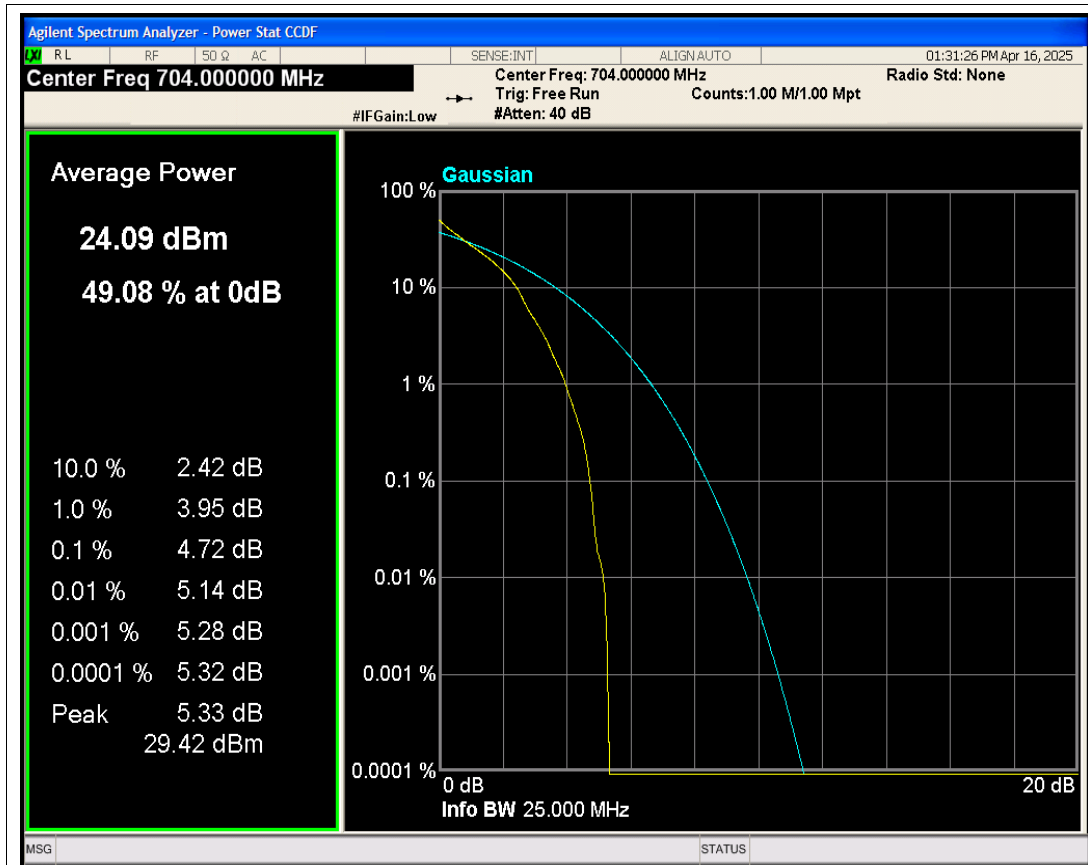




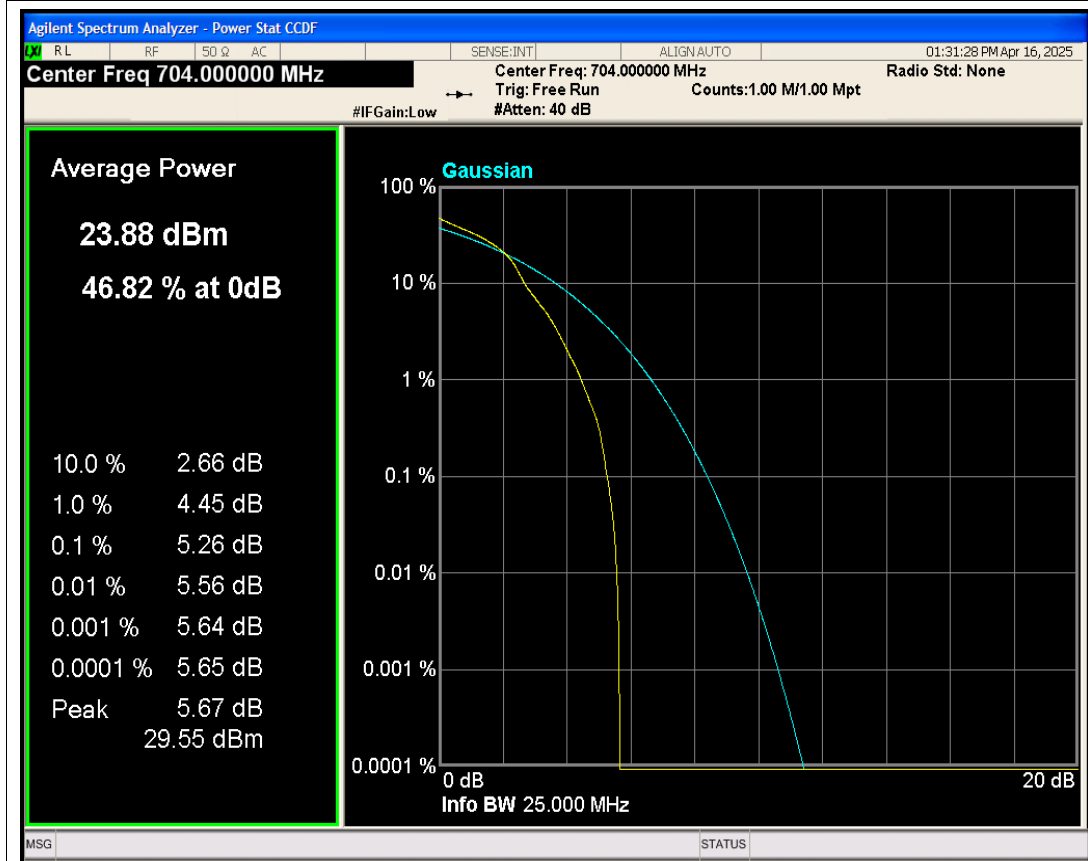
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0 NVNT

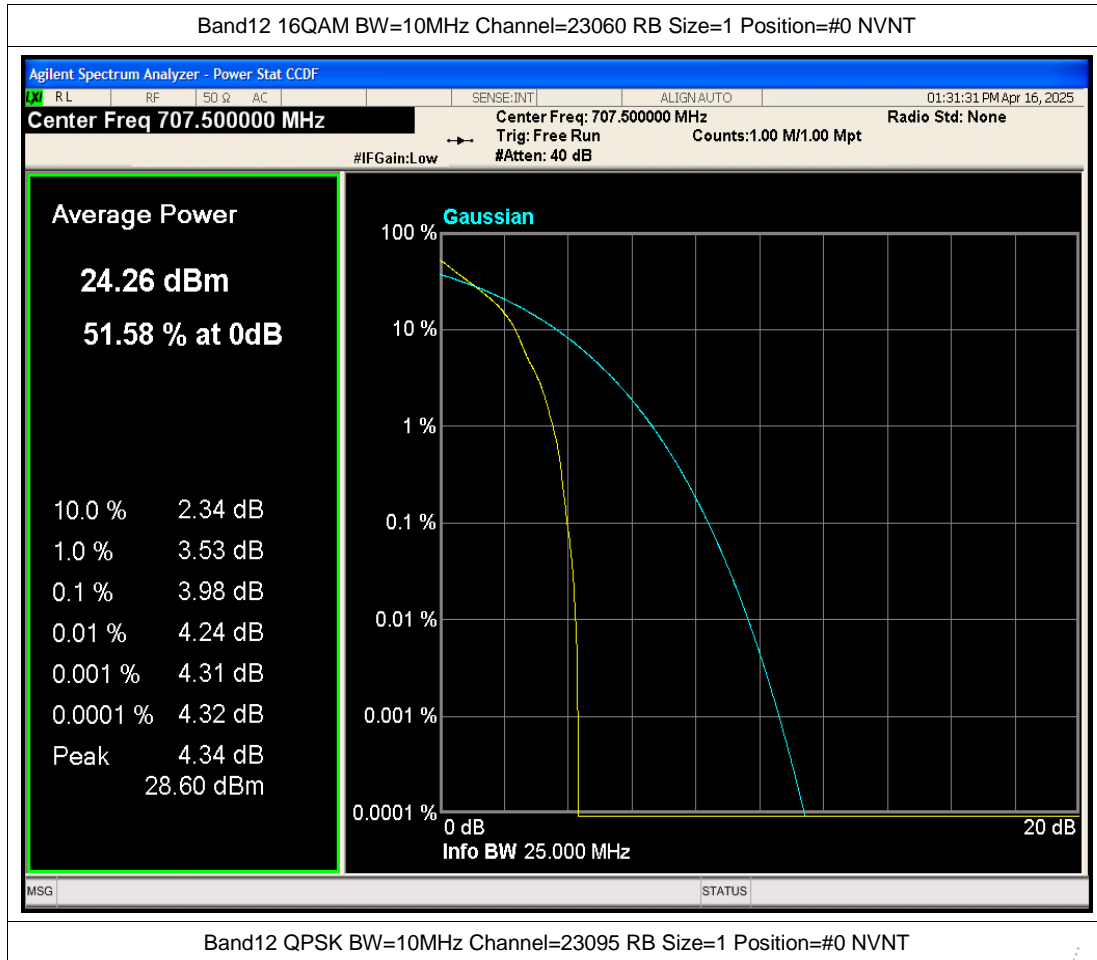


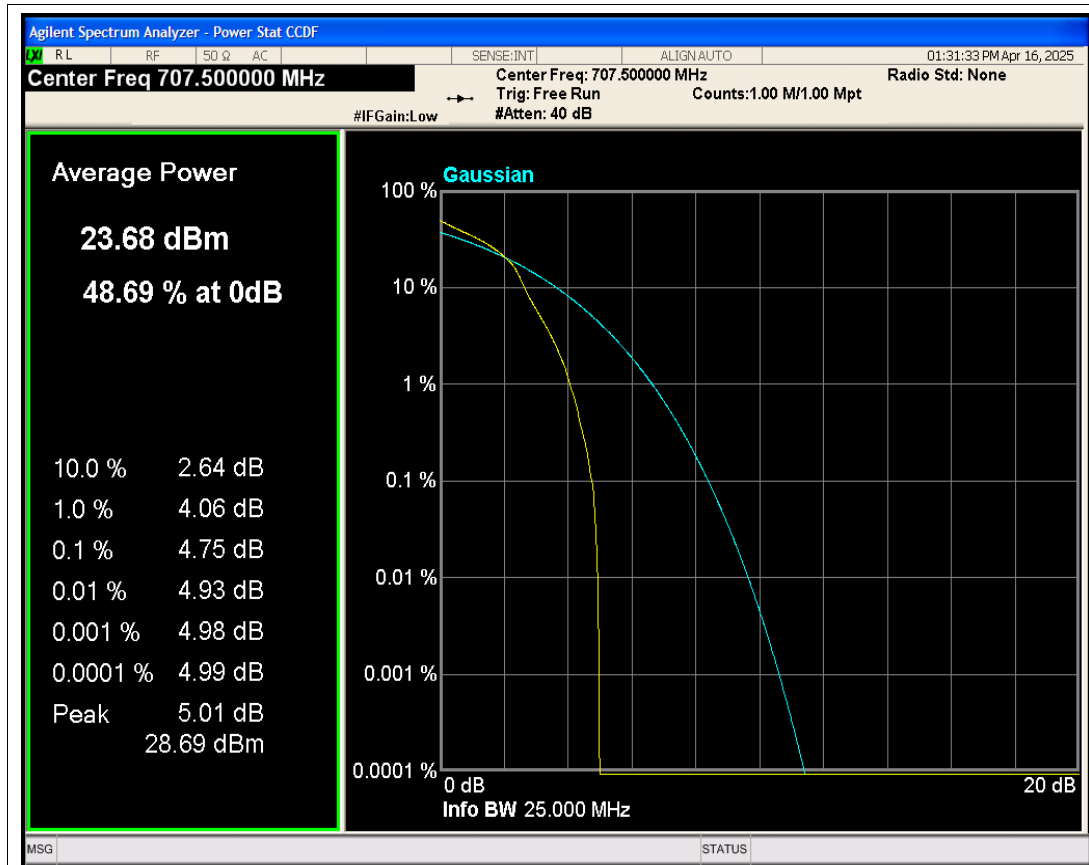




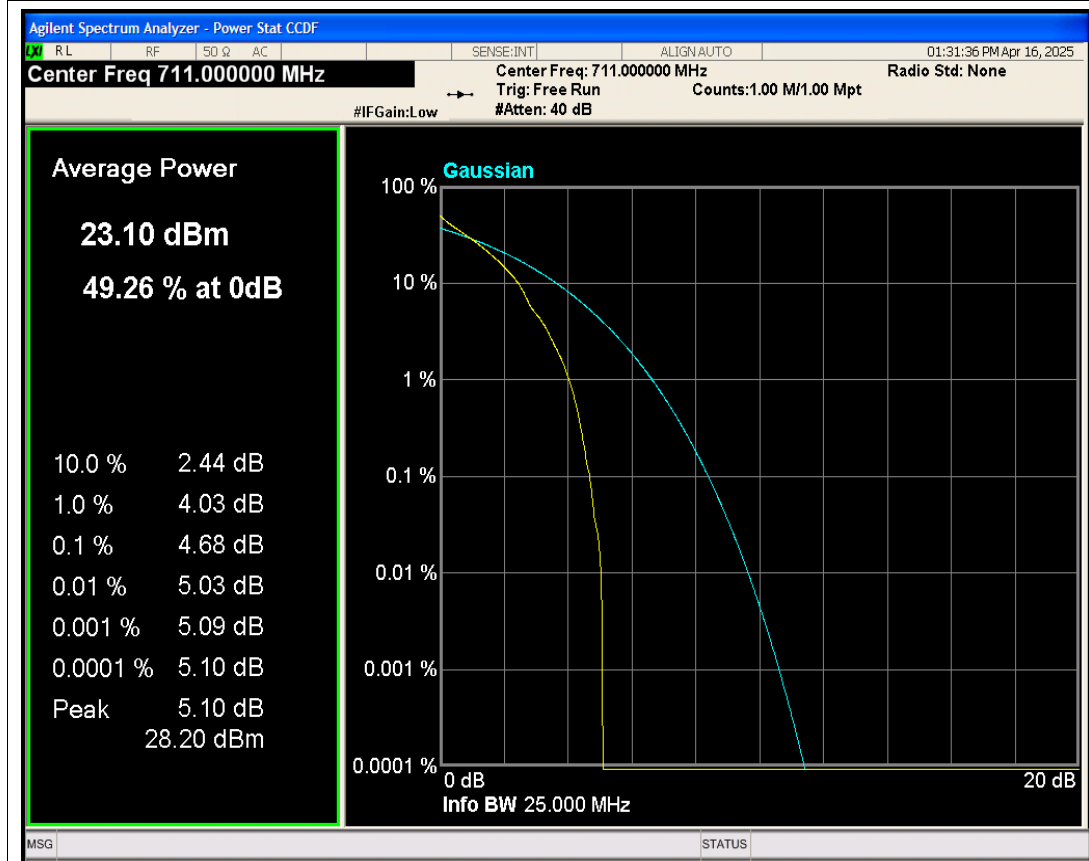
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0 NVNT

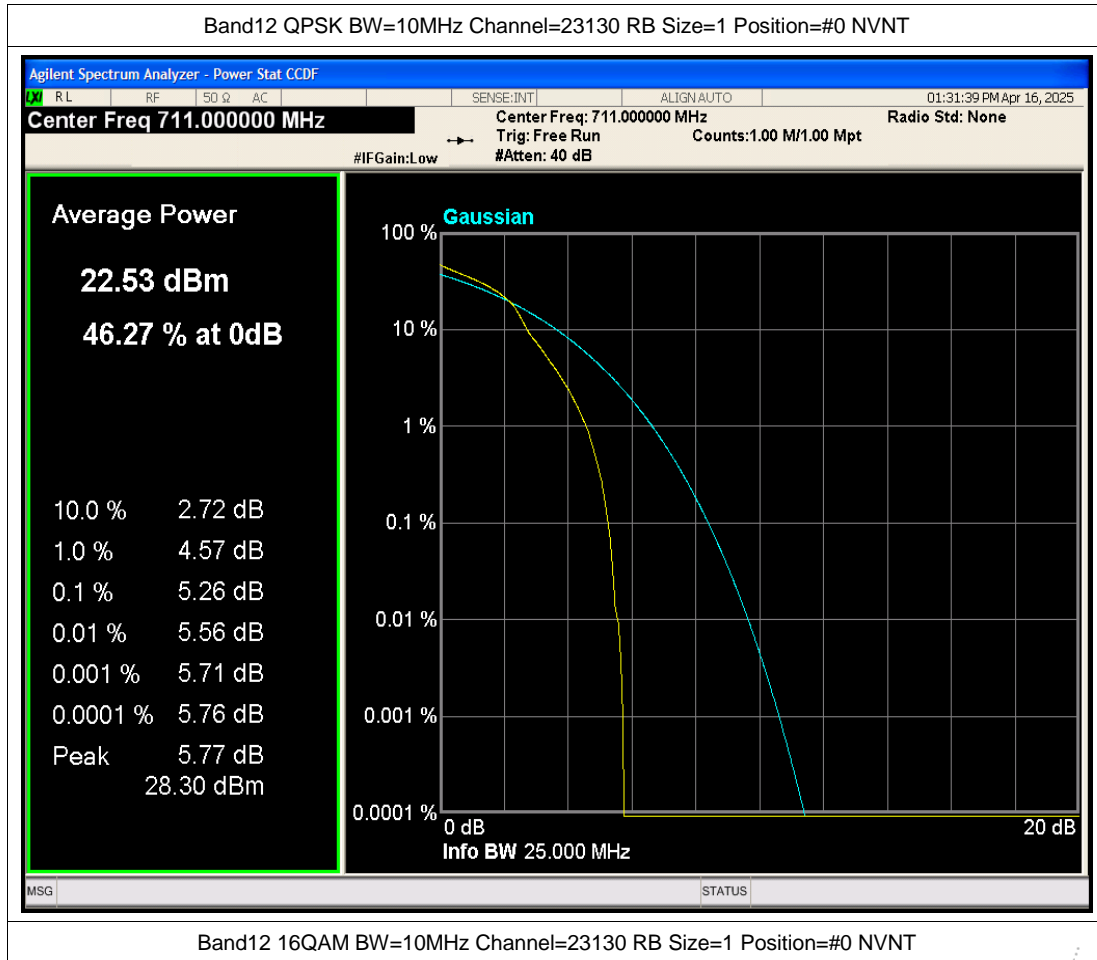






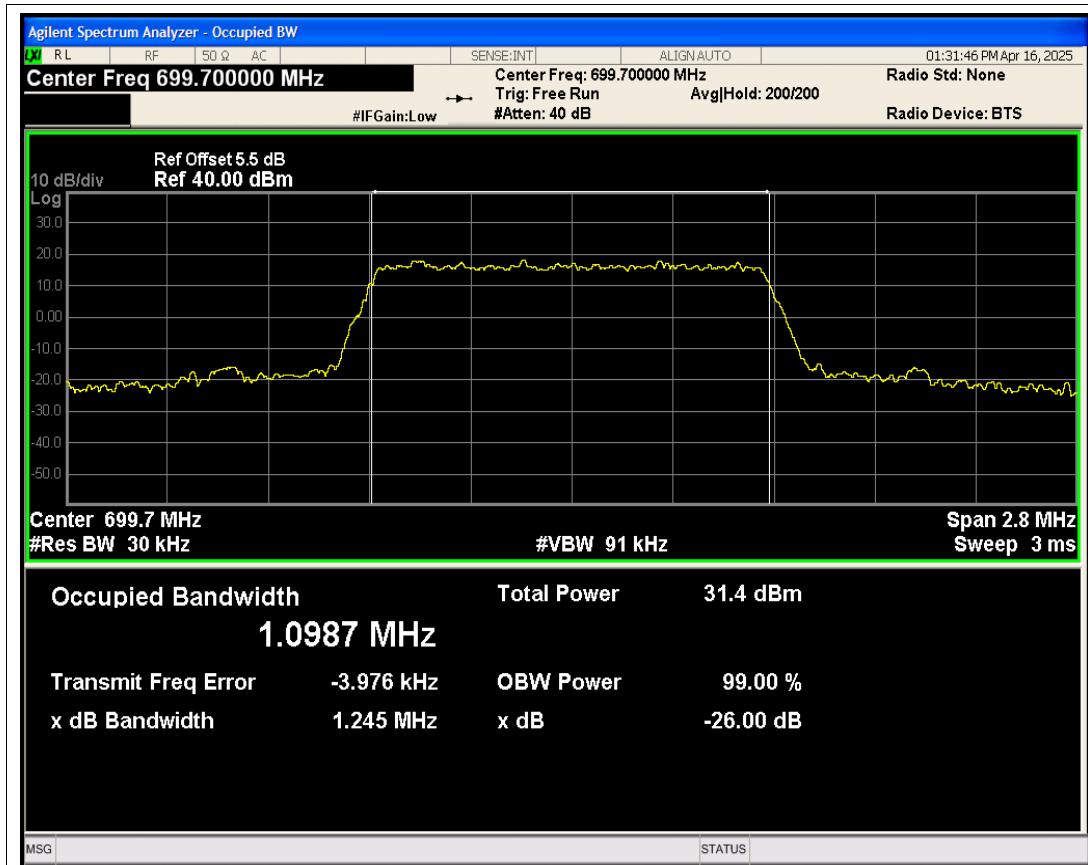
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0 NVNT



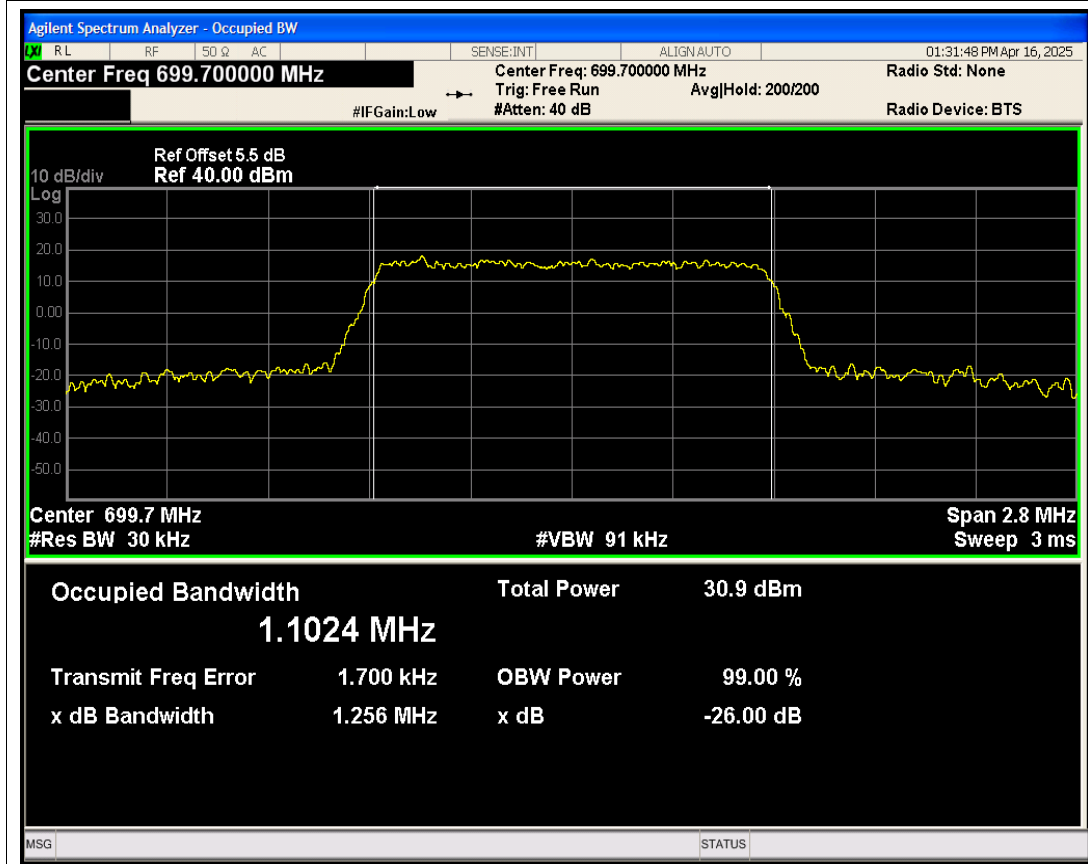


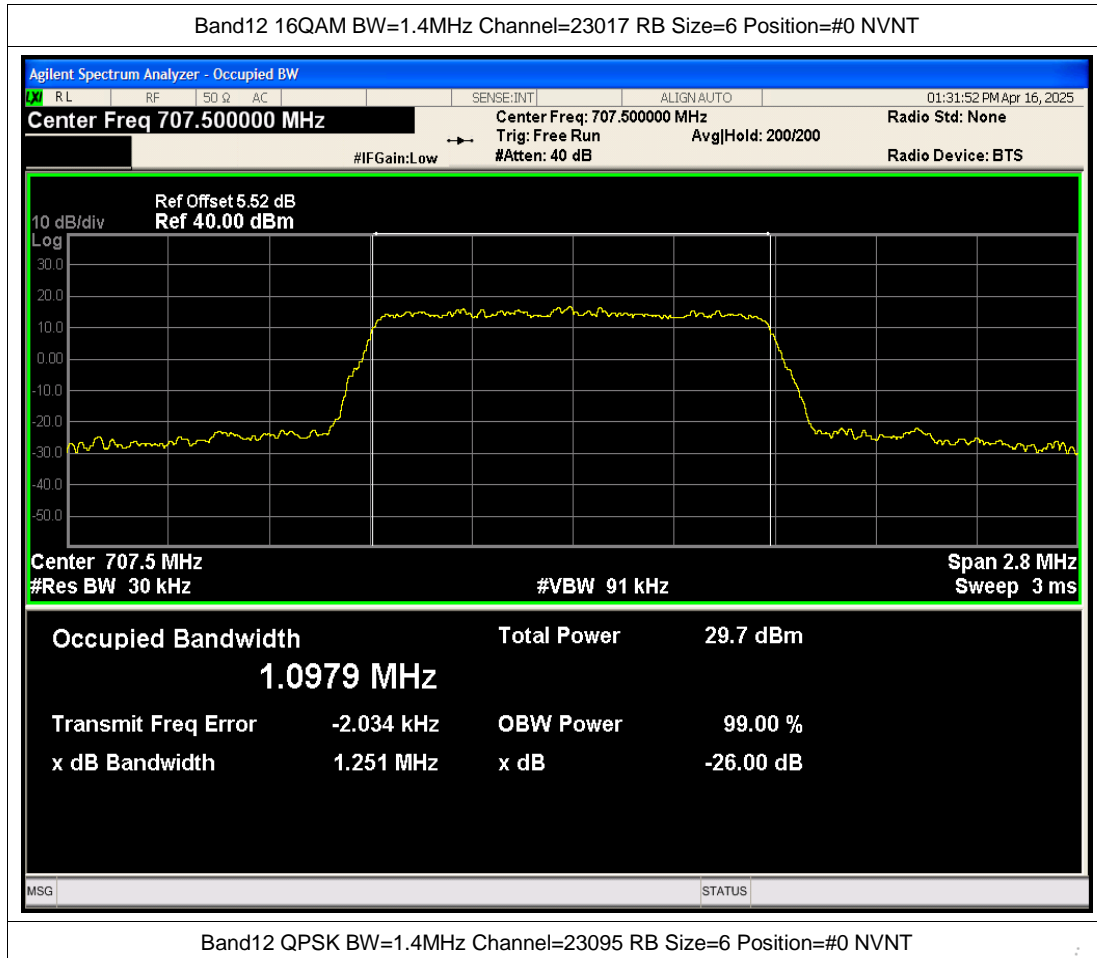
Appendix 4.Occupied bandwidth

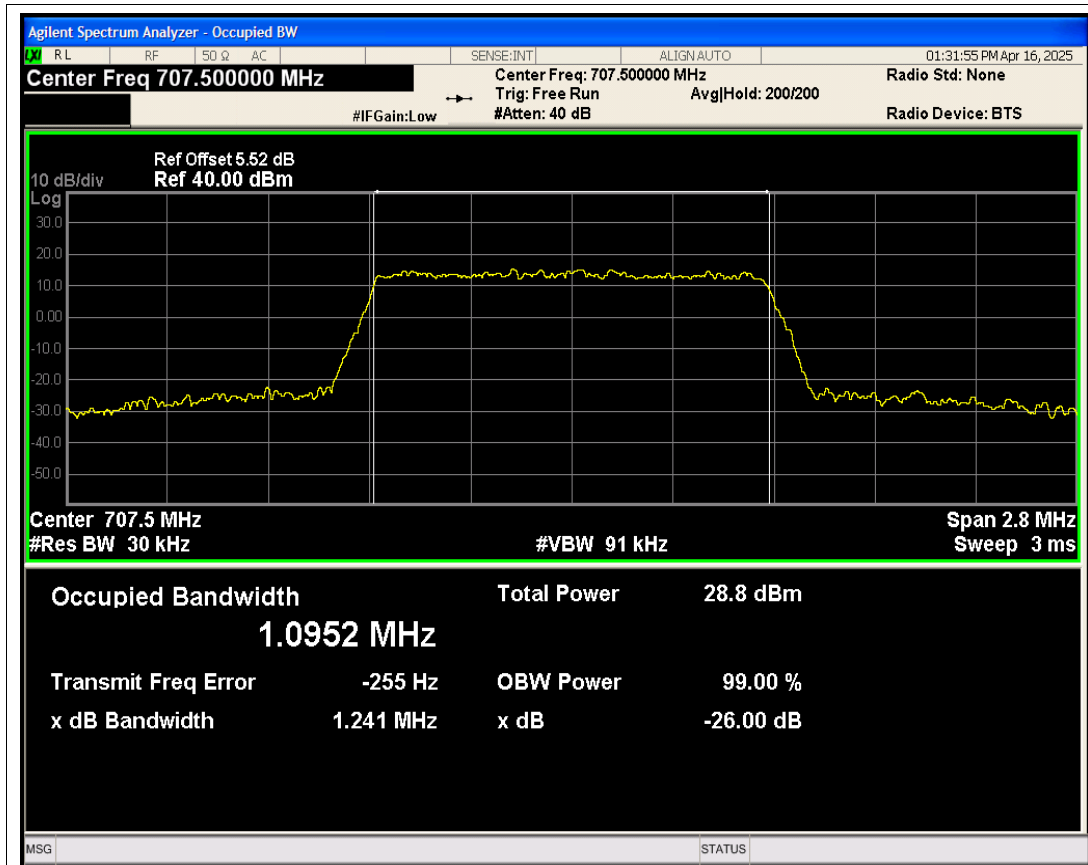
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band12	1.4	23017	6	#0	QPSK	1.099	1.245	PASS
NVNT	Band12	1.4	23017	6	#0	16QAM	1.102	1.256	PASS
NVNT	Band12	1.4	23095	6	#0	QPSK	1.098	1.251	PASS
NVNT	Band12	1.4	23095	6	#0	16QAM	1.095	1.241	PASS
NVNT	Band12	1.4	23173	6	#0	QPSK	1.100	1.248	PASS
NVNT	Band12	1.4	23173	6	#0	16QAM	1.102	1.257	PASS
NVNT	Band12	3	23025	15	#0	QPSK	2.713	3.034	PASS
NVNT	Band12	3	23025	15	#0	16QAM	2.713	3.067	PASS
NVNT	Band12	3	23095	15	#0	QPSK	2.713	3.015	PASS
NVNT	Band12	3	23095	15	#0	16QAM	2.712	3.040	PASS
NVNT	Band12	3	23165	15	#0	QPSK	2.710	3.021	PASS
NVNT	Band12	3	23165	15	#0	16QAM	2.722	3.066	PASS
NVNT	Band12	5	23035	25	#0	QPSK	4.507	4.942	PASS
NVNT	Band12	5	23035	25	#0	16QAM	4.515	4.997	PASS
NVNT	Band12	5	23095	25	#0	QPSK	4.514	4.962	PASS
NVNT	Band12	5	23095	25	#0	16QAM	4.513	4.954	PASS
NVNT	Band12	5	23155	25	#0	QPSK	4.515	4.950	PASS
NVNT	Band12	5	23155	25	#0	16QAM	4.528	5.001	PASS
NVNT	Band12	10	23060	50	#0	QPSK	8.986	9.898	PASS
NVNT	Band12	10	23060	50	#0	16QAM	9.016	9.851	PASS
NVNT	Band12	10	23095	50	#0	QPSK	8.976	9.720	PASS
NVNT	Band12	10	23095	50	#0	16QAM	8.991	9.835	PASS
NVNT	Band12	10	23130	50	#0	QPSK	8.990	9.837	PASS
NVNT	Band12	10	23130	50	#0	16QAM	8.986	9.875	PASS



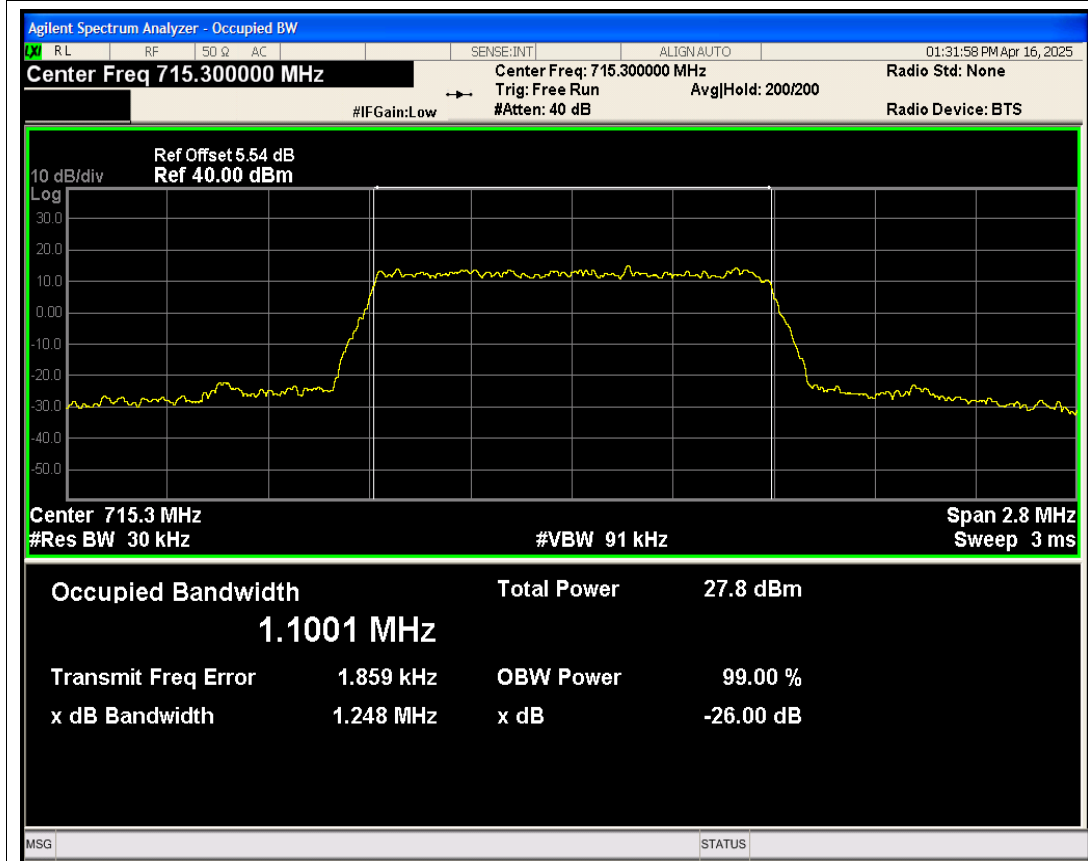
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

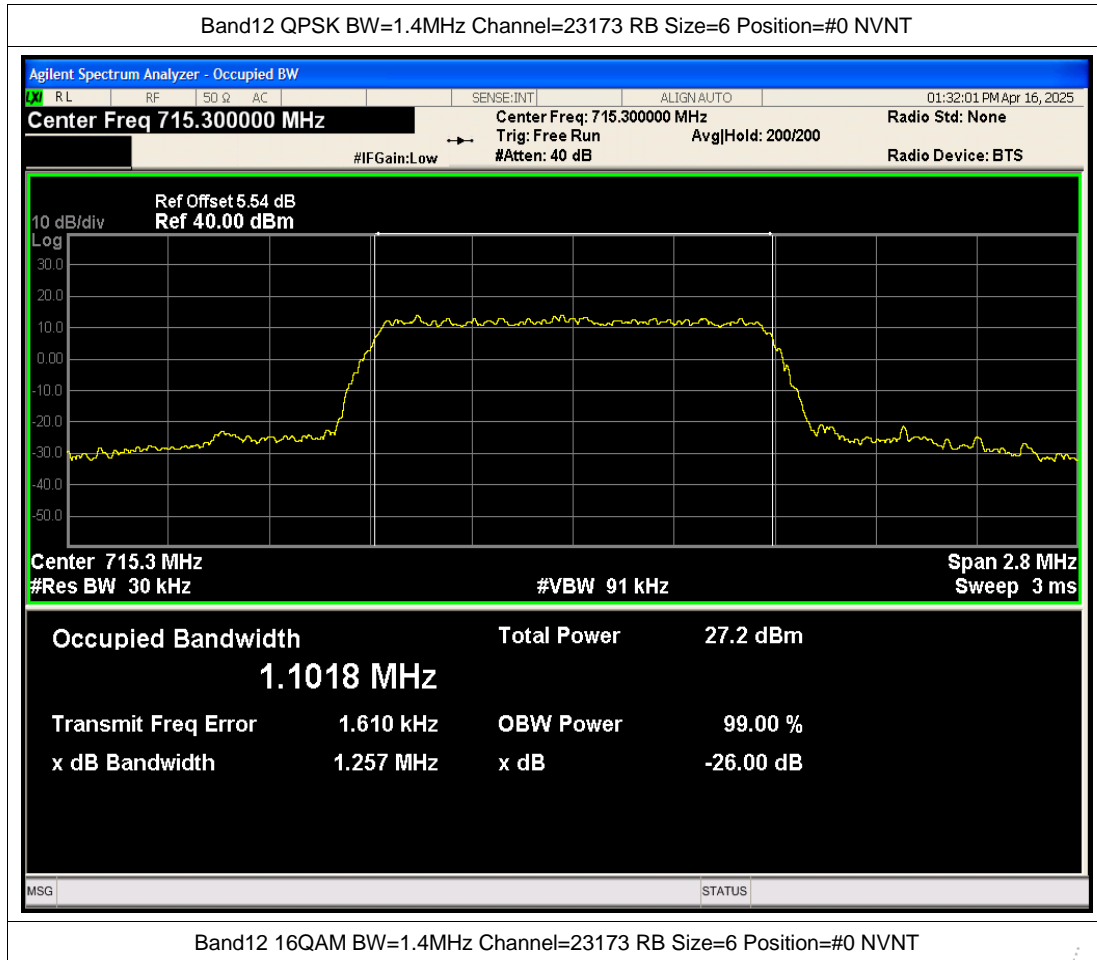


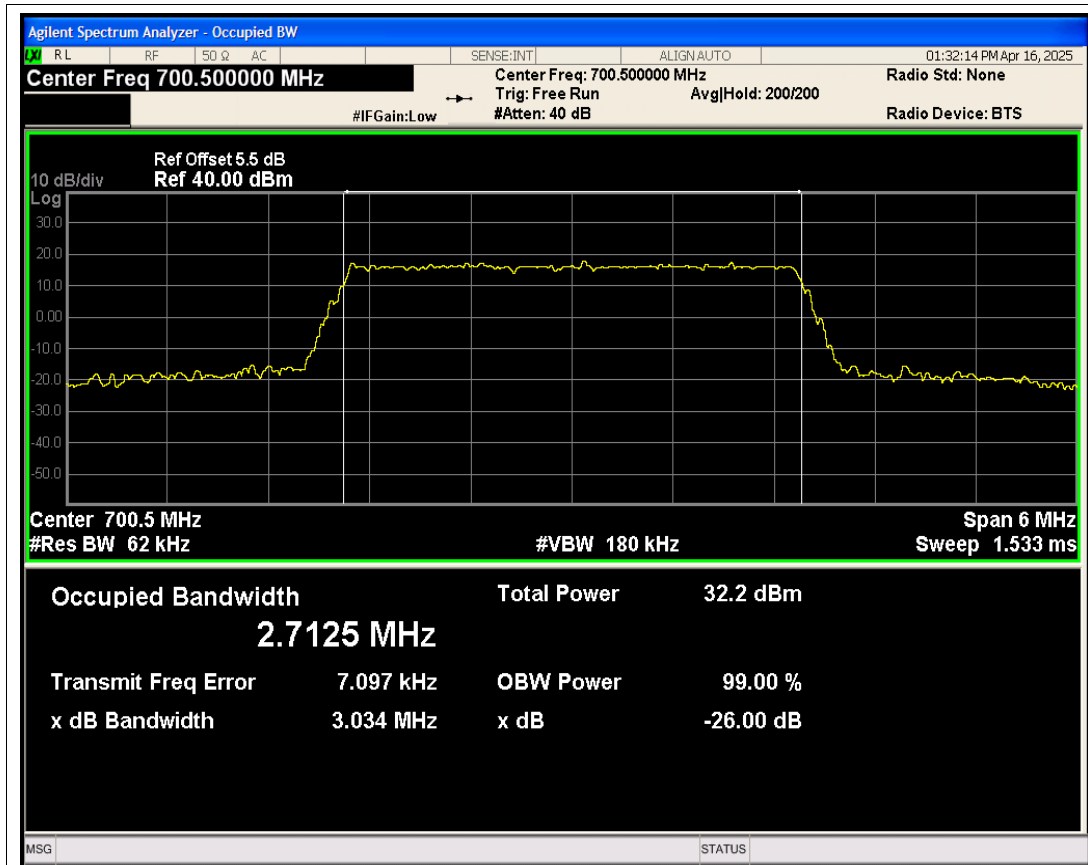




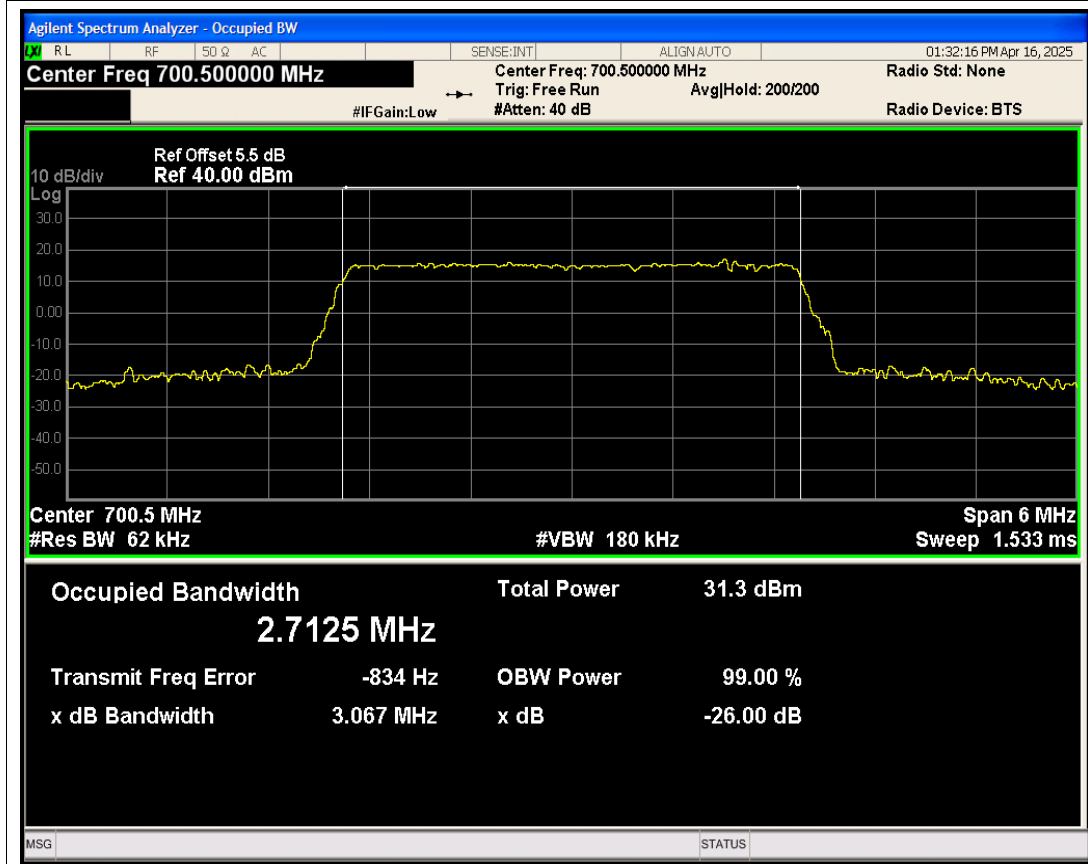
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT

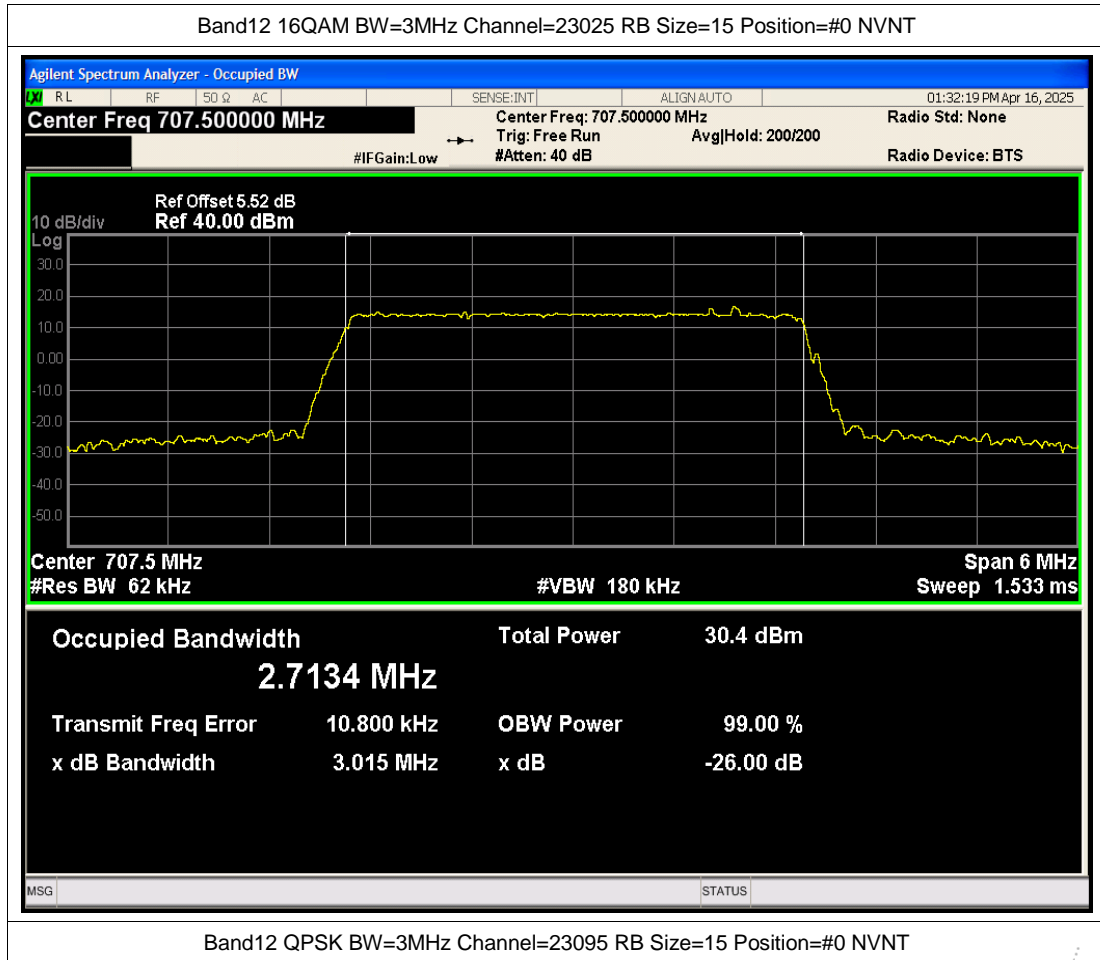


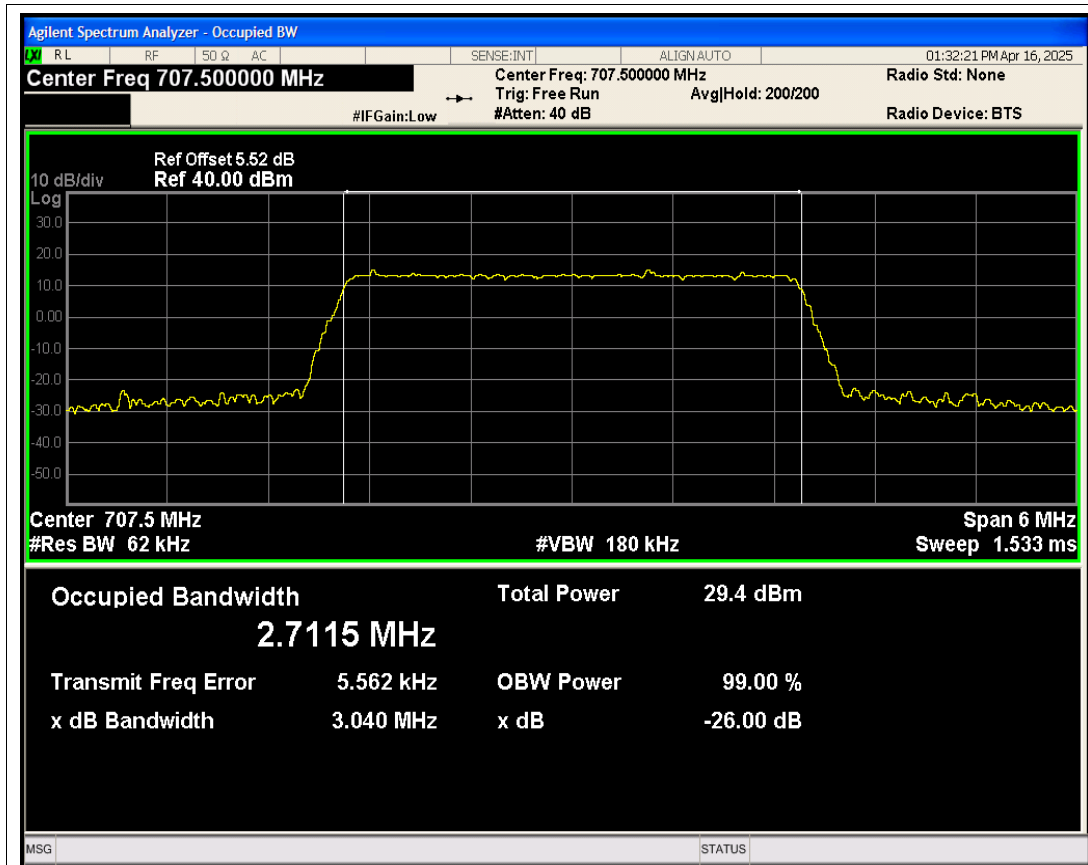




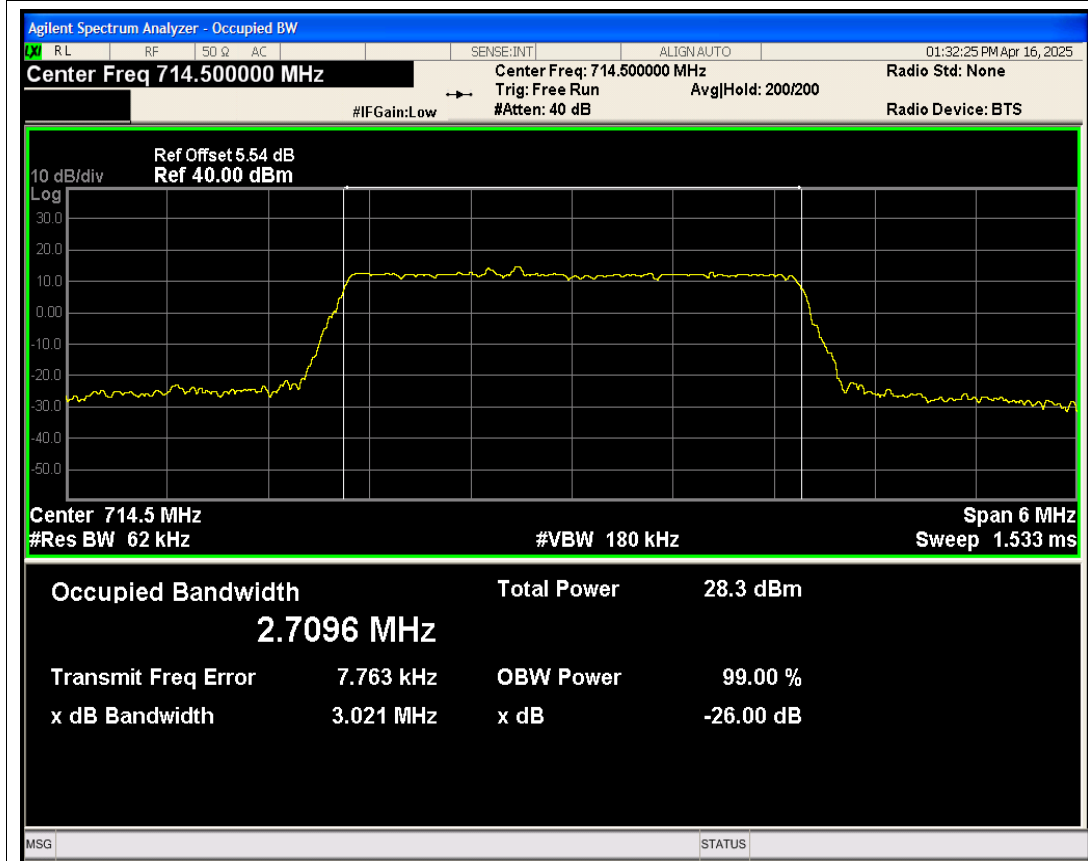
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

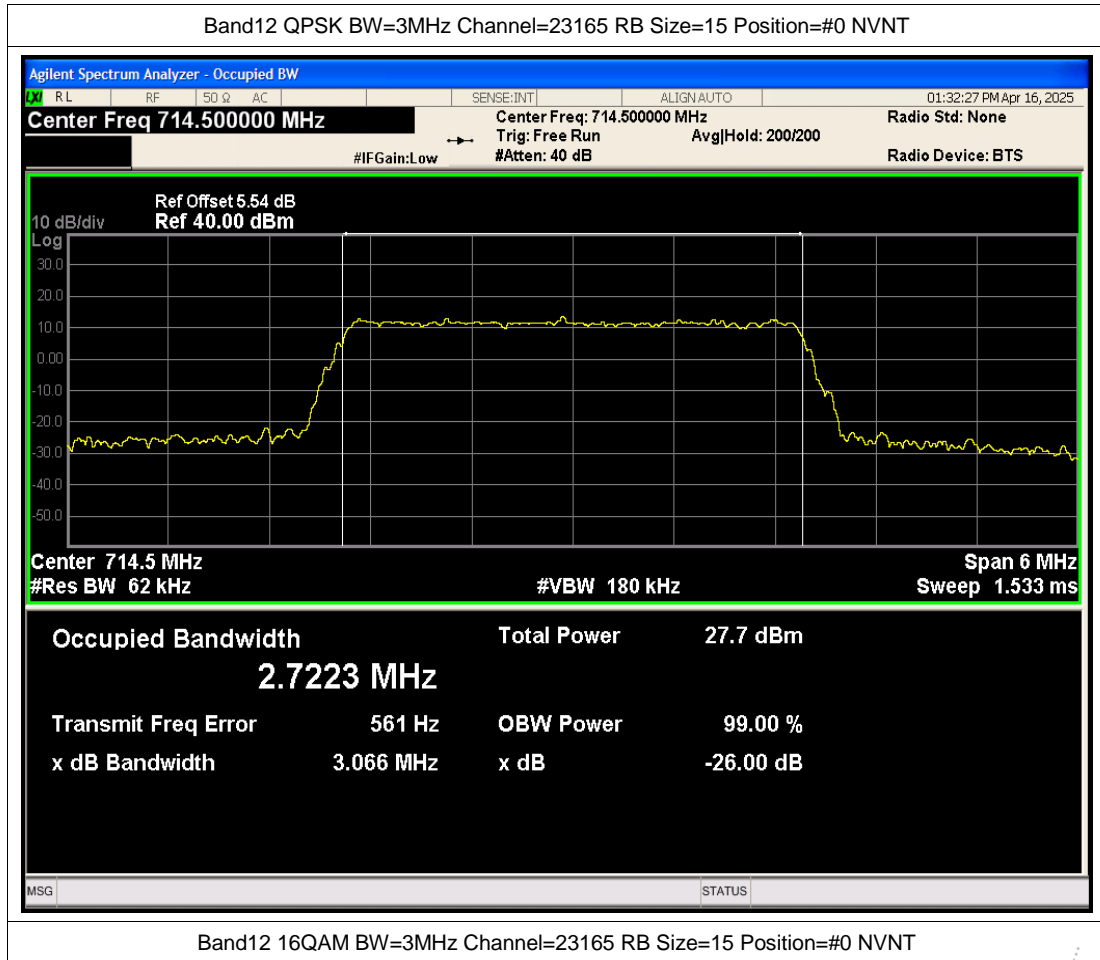


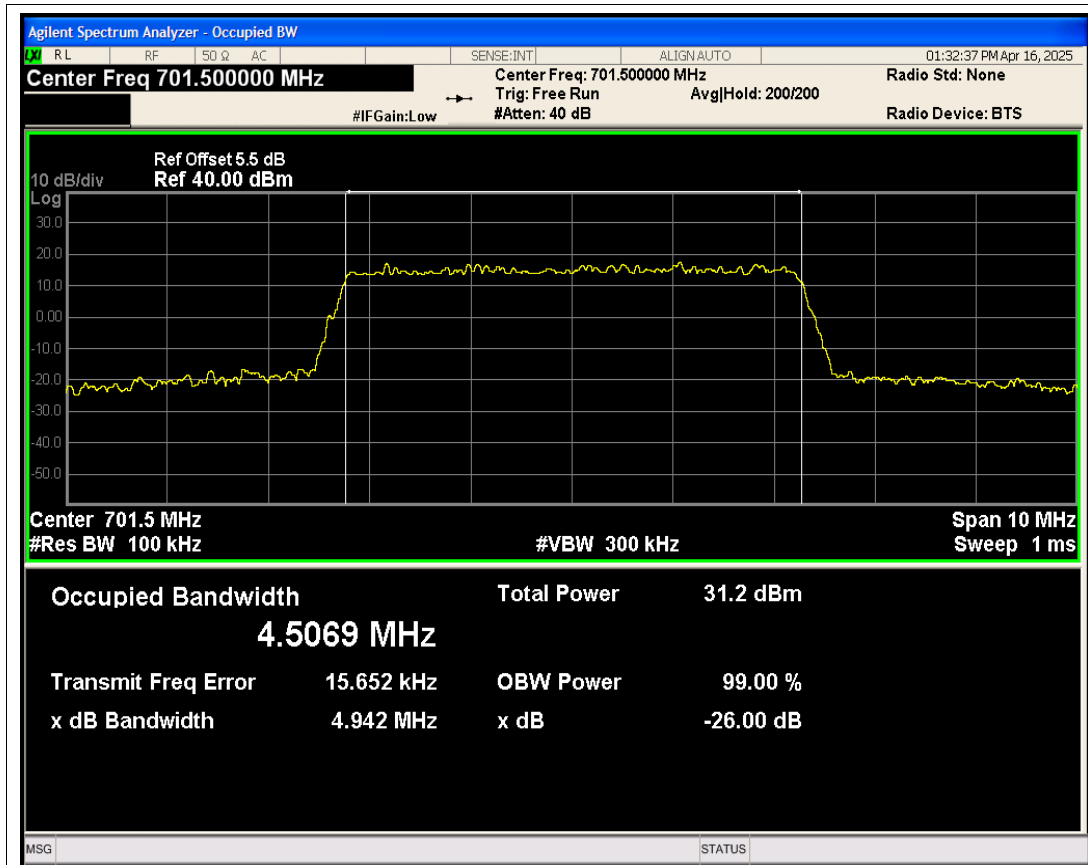




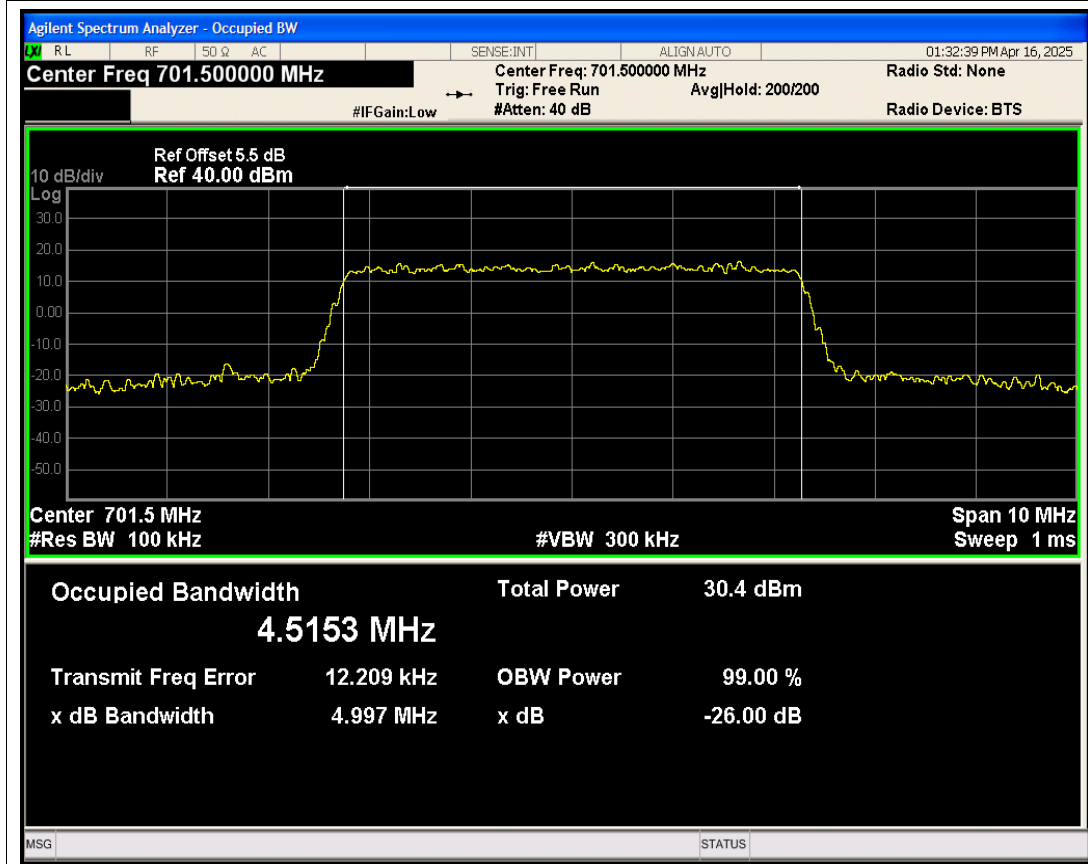
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT

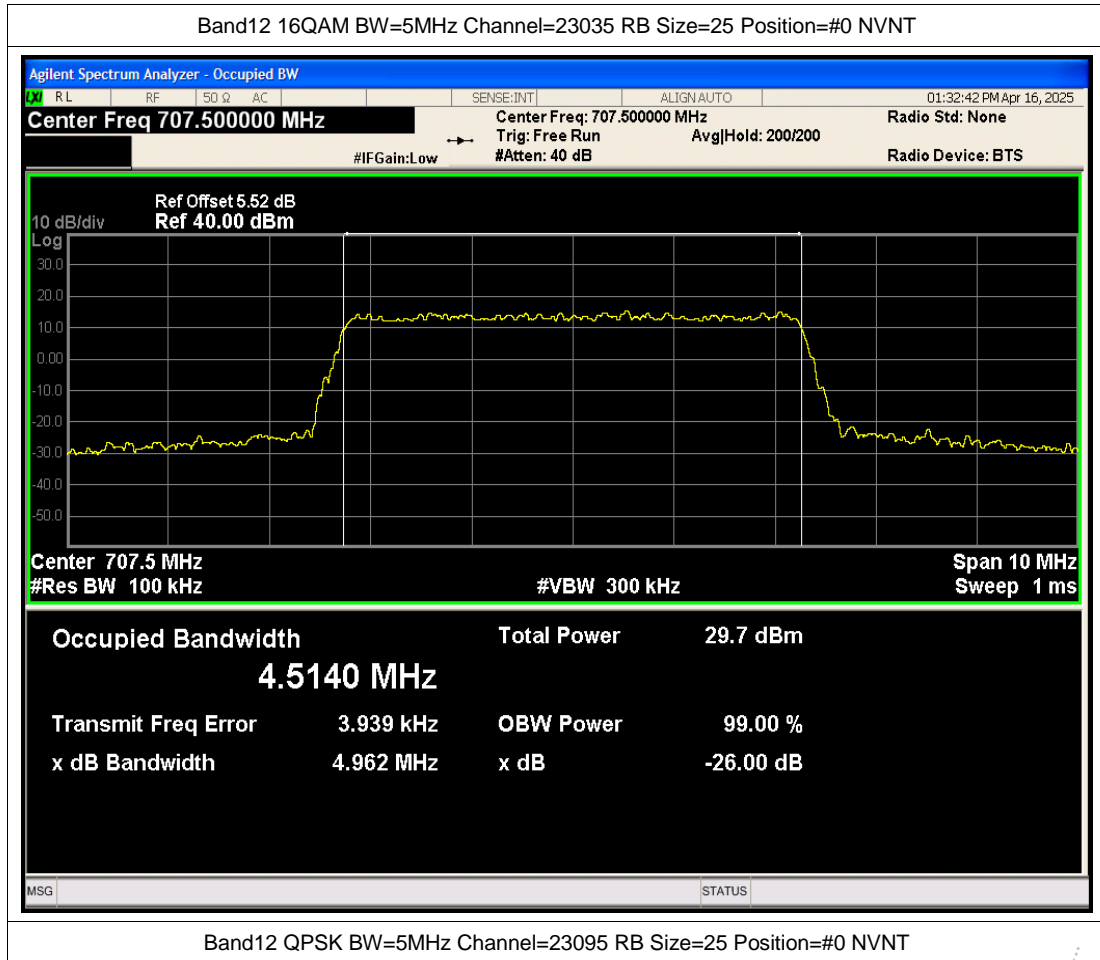


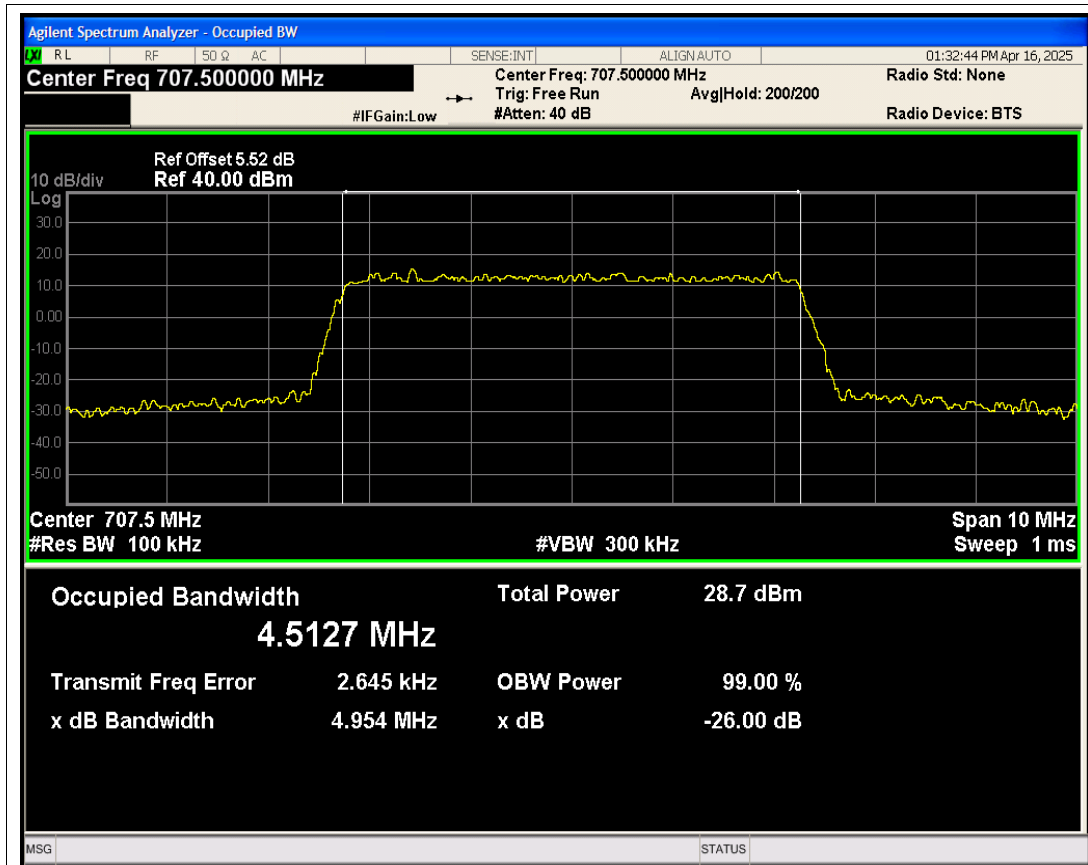




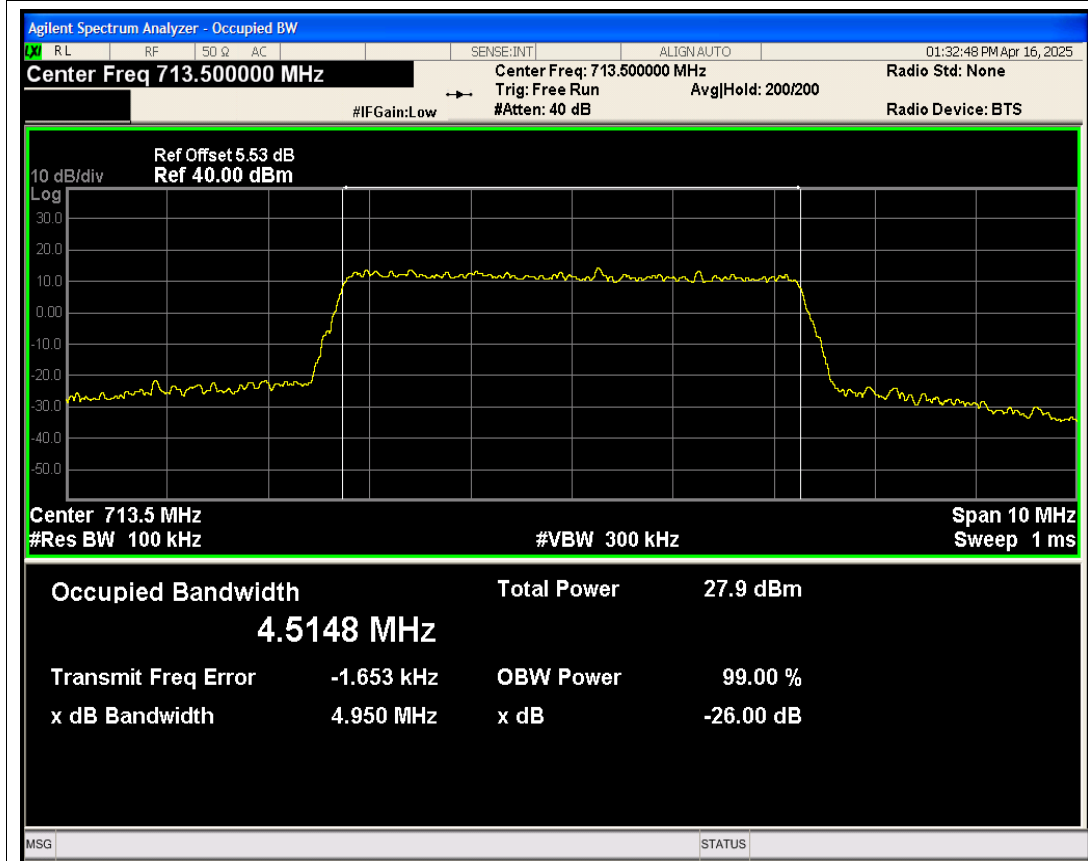
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT

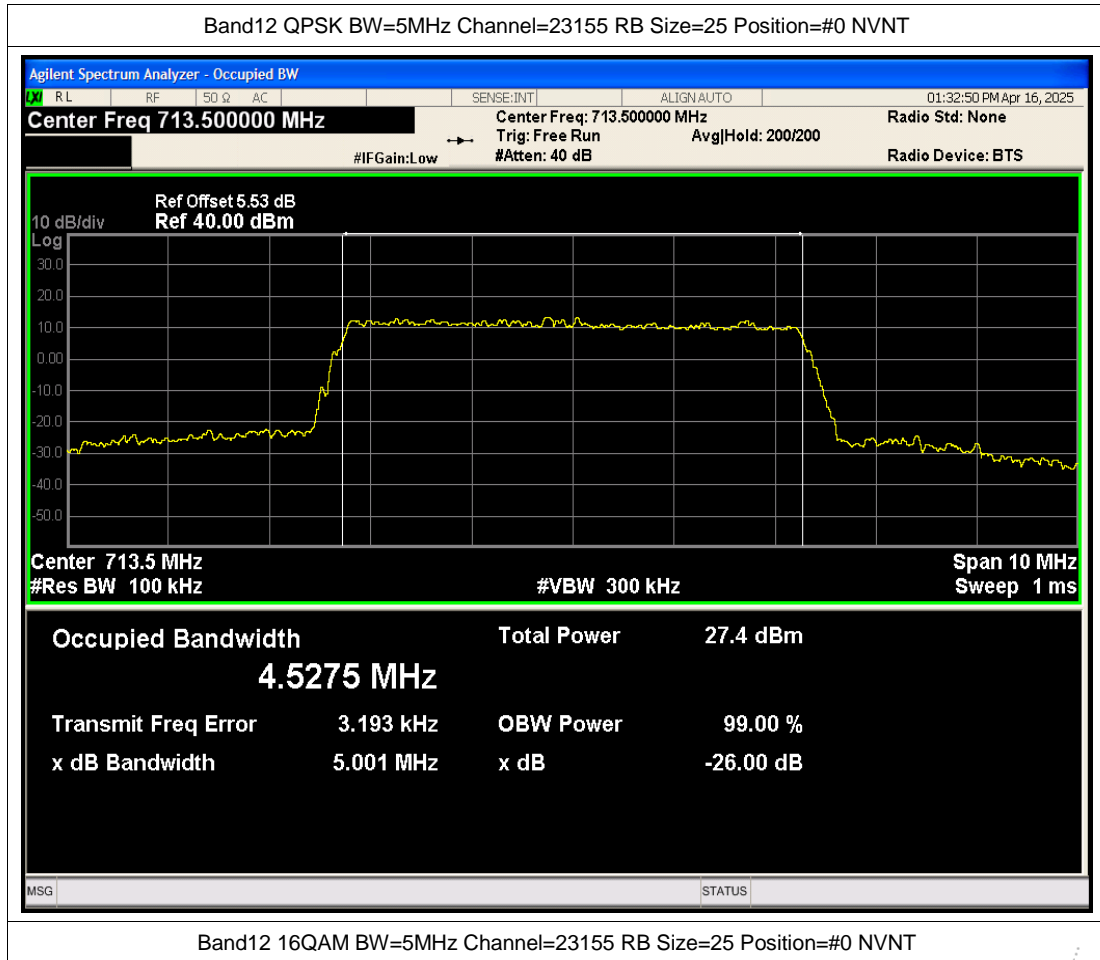


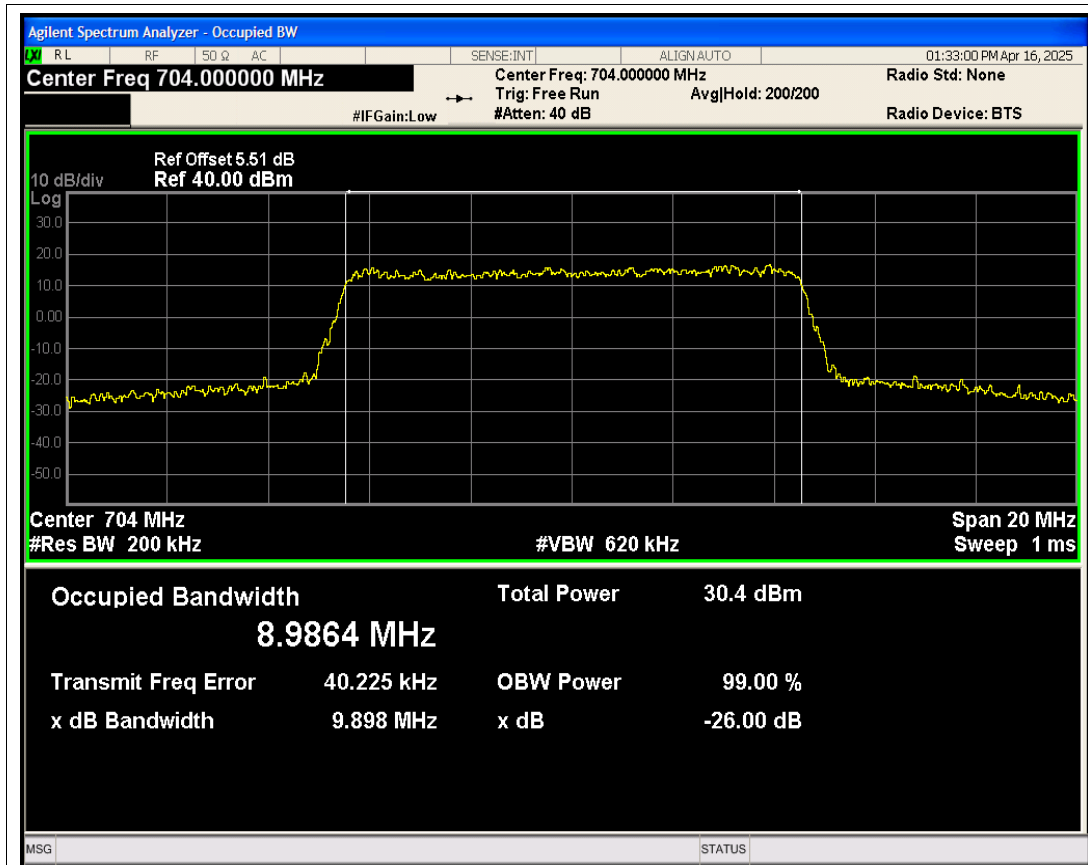




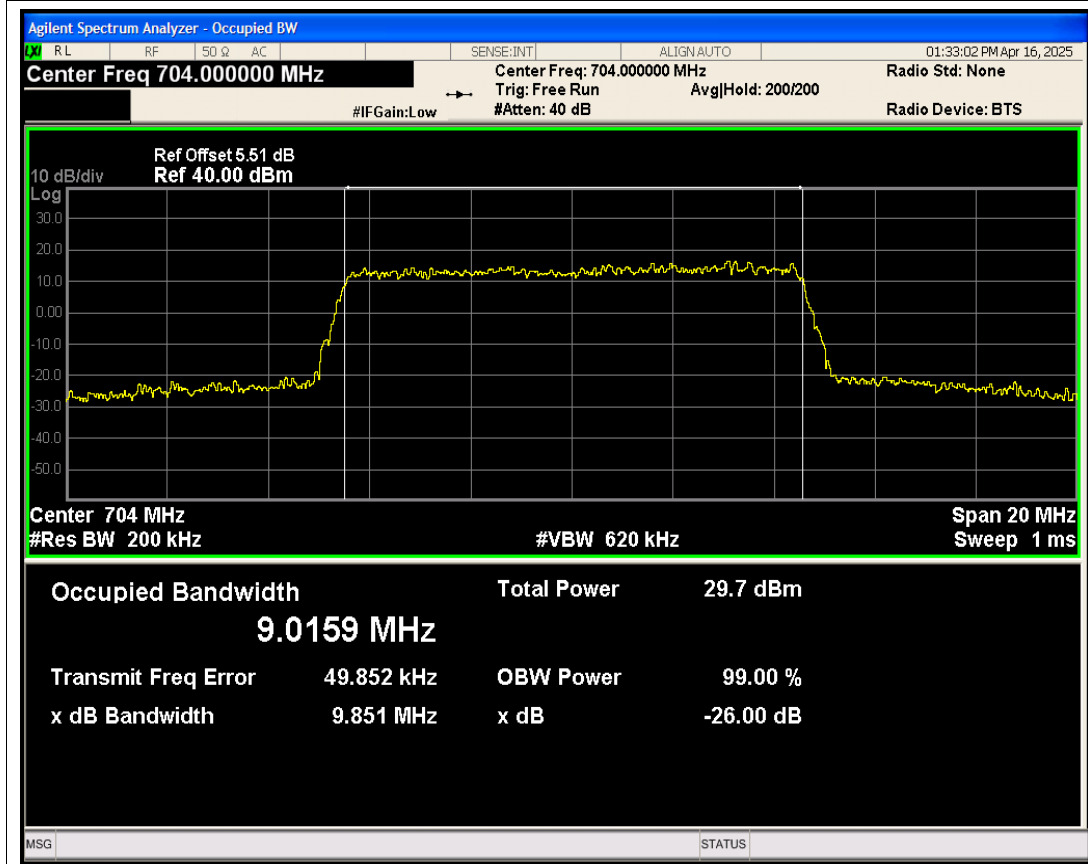
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT

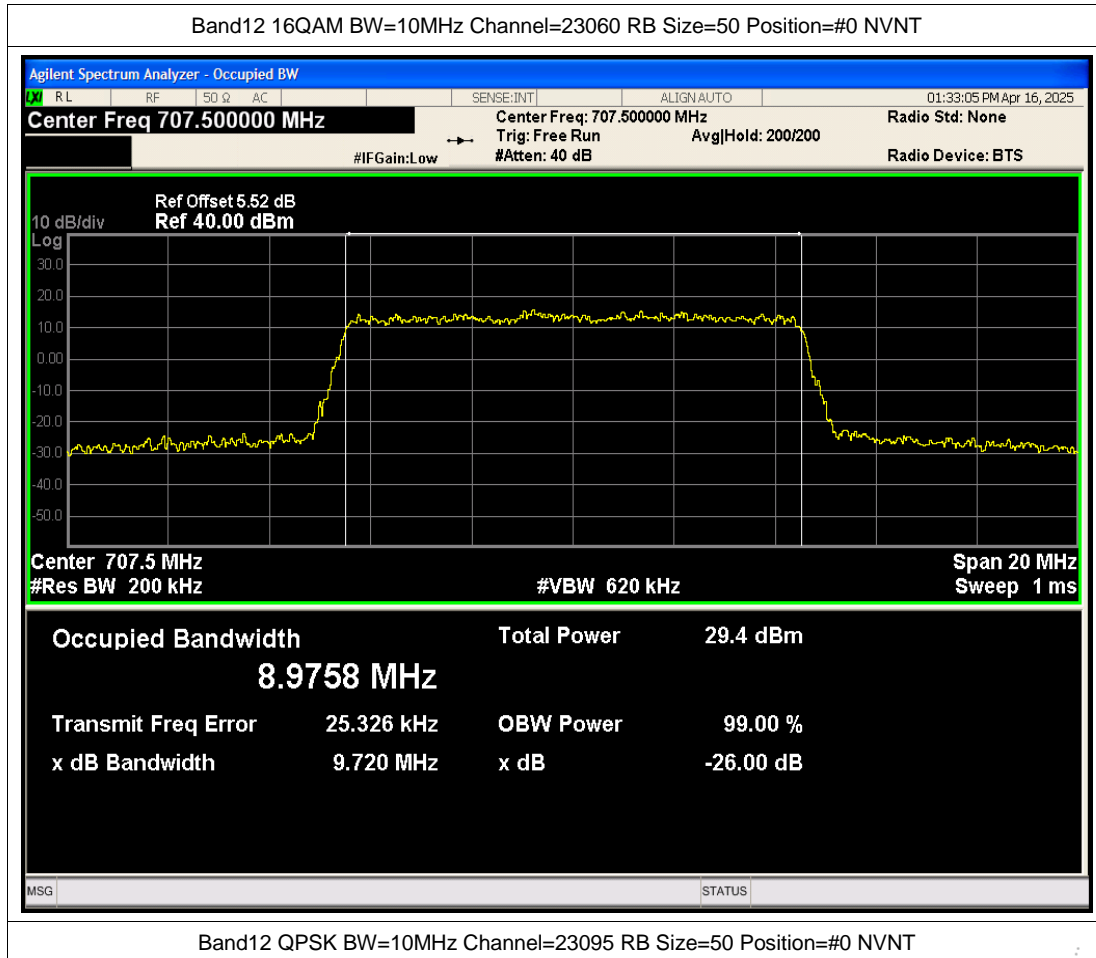


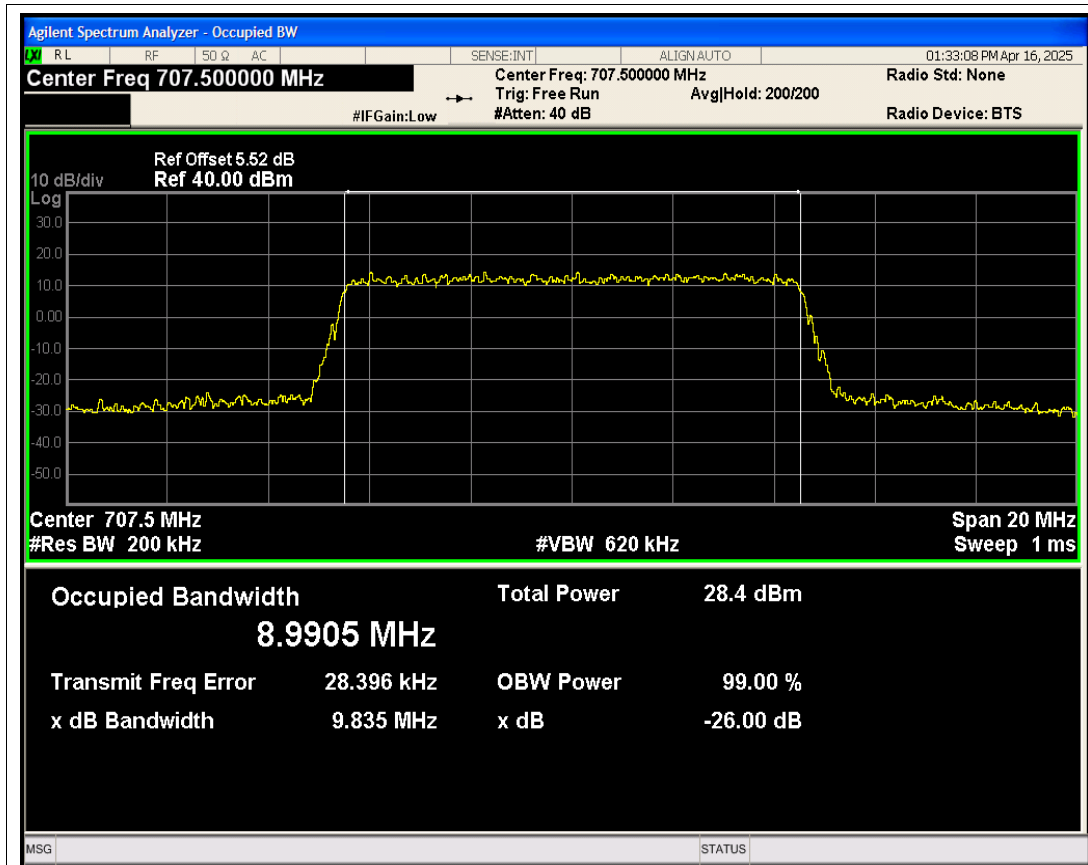




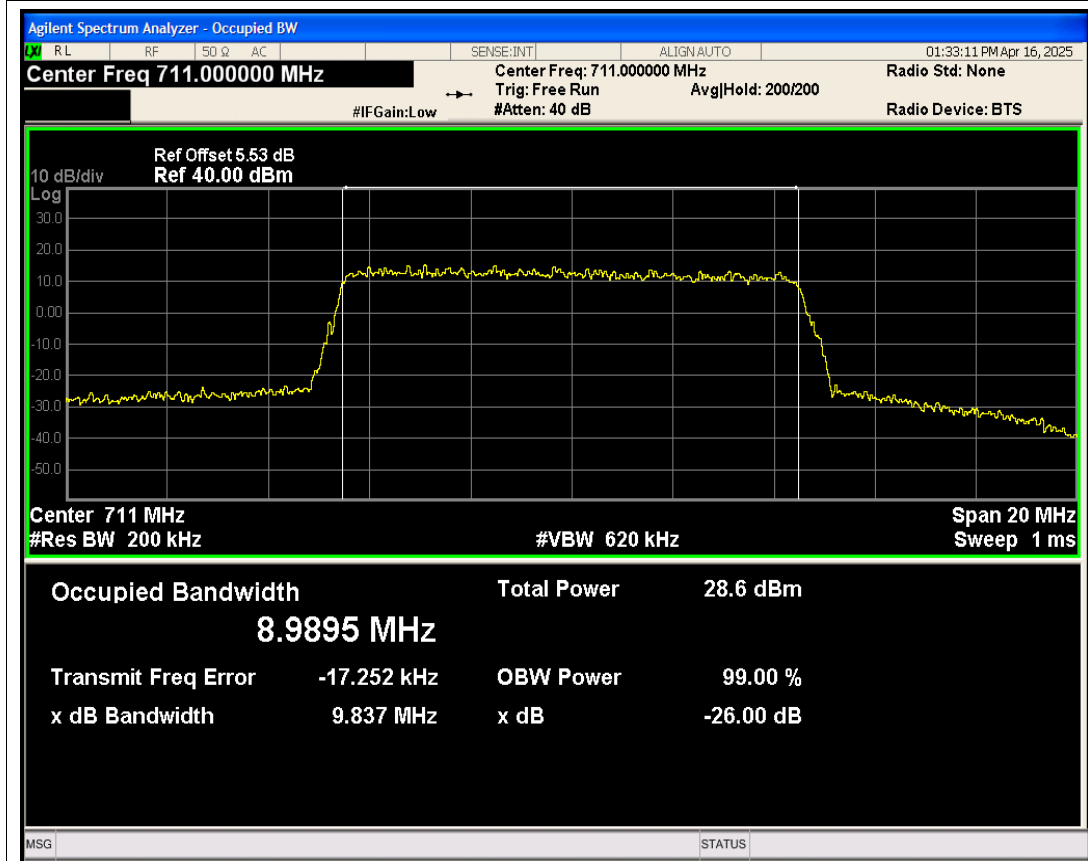
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

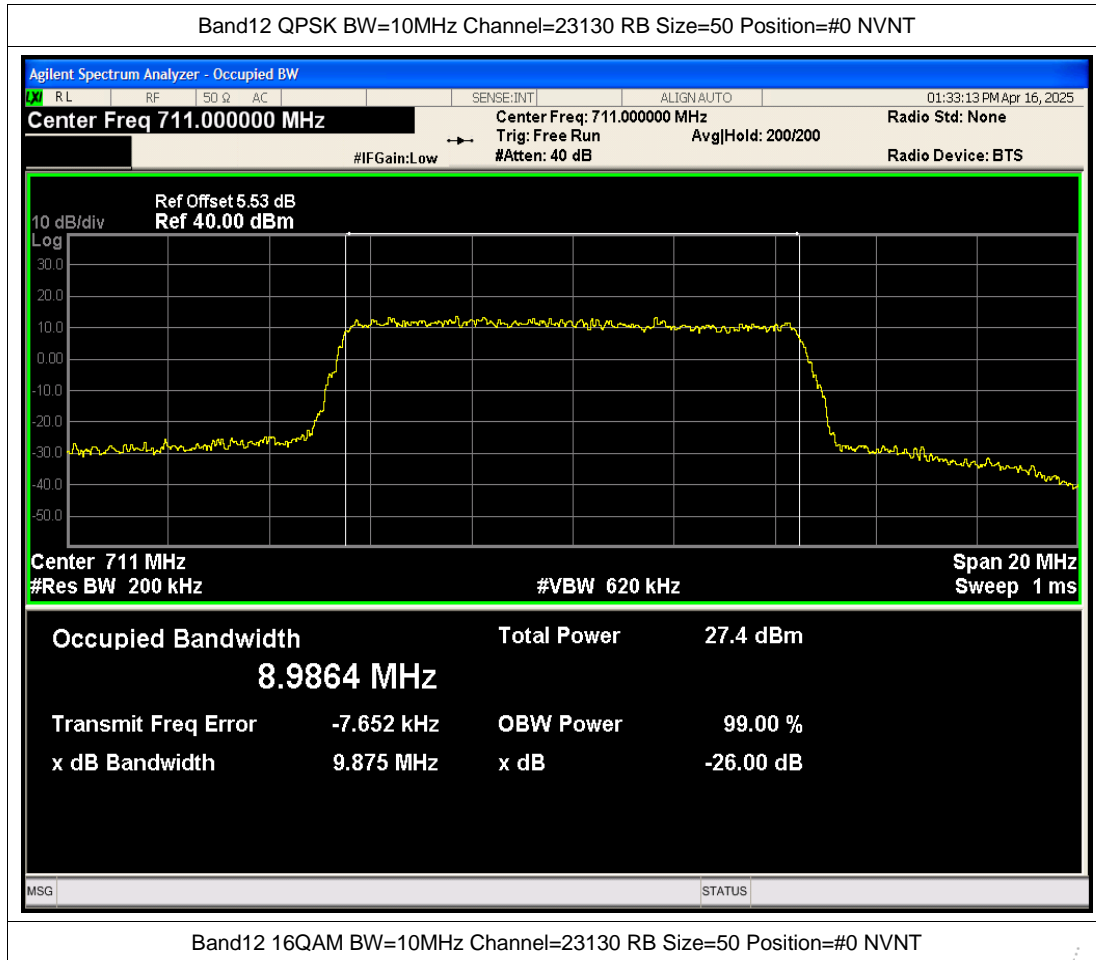






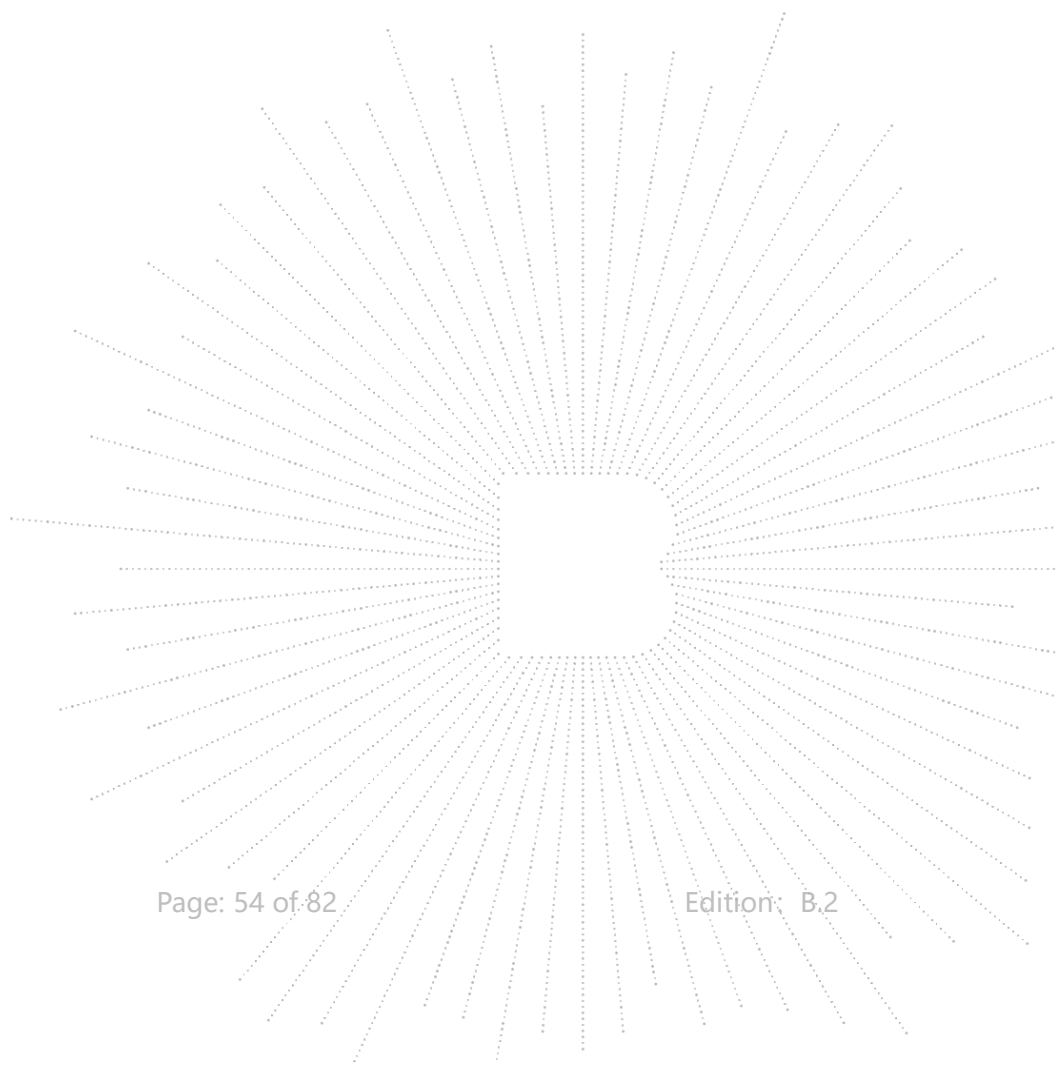
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT

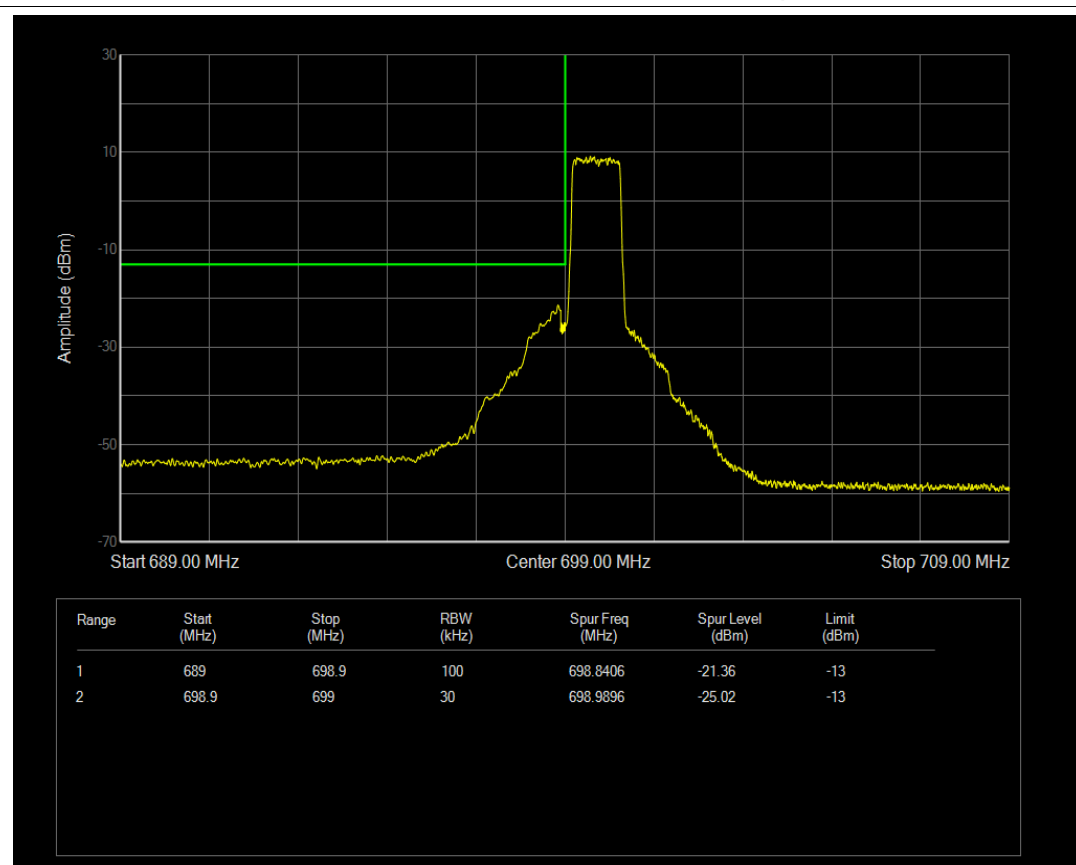




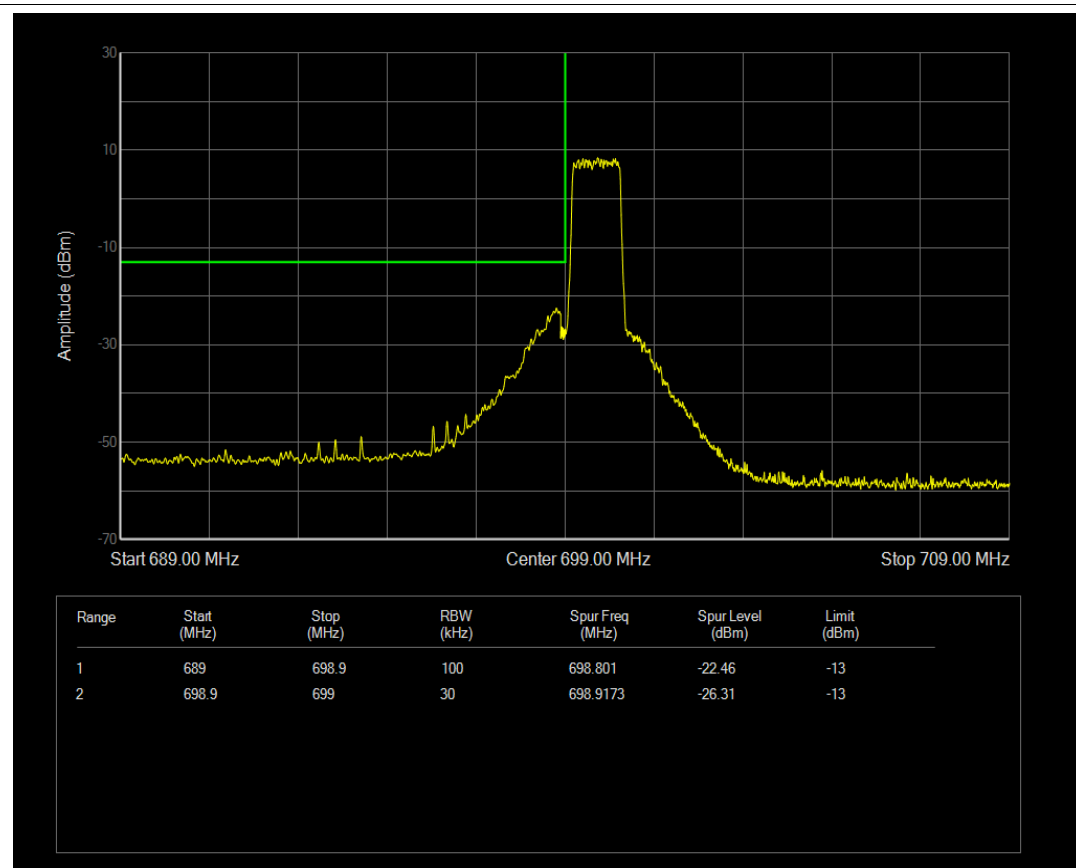
Appendix 5.Band edge

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	698.84	-21.36	-13	PASS
NVNT	Band12	1.4	23017	6	#0	16QAM	698.80	-22.46	-13	PASS
NVNT	Band12	1.4	23173	6	#0	QPSK	716.11	-28.80	-13	PASS
NVNT	Band12	1.4	23173	6	#0	16QAM	716.20	-27.99	-13	PASS
NVNT	Band12	3	23025	15	#0	QPSK	699.00	-21.70	-13	PASS
NVNT	Band12	3	23025	15	#0	16QAM	699.00	-22.19	-13	PASS
NVNT	Band12	3	23165	15	#0	QPSK	716.00	-27.00	-13	PASS
NVNT	Band12	3	23165	15	#0	16QAM	716.00	-27.33	-13	PASS
NVNT	Band12	5	23035	25	#0	QPSK	698.35	-26.88	-13	PASS
NVNT	Band12	5	23035	25	#0	16QAM	698.76	-28.53	-13	PASS
NVNT	Band12	5	23155	25	#0	QPSK	716.38	-33.04	-13	PASS
NVNT	Band12	5	23155	25	#0	16QAM	716.33	-33.91	-13	PASS
NVNT	Band12	10	23060	50	#0	QPSK	698.85	-32.00	-13	PASS
NVNT	Band12	10	23060	50	#0	16QAM	698.90	-33.41	-13	PASS
NVNT	Band12	10	23130	50	#0	QPSK	716.11	-36.15	-13	PASS
NVNT	Band12	10	23130	50	#0	16QAM	716.12	-37.88	-13	PASS

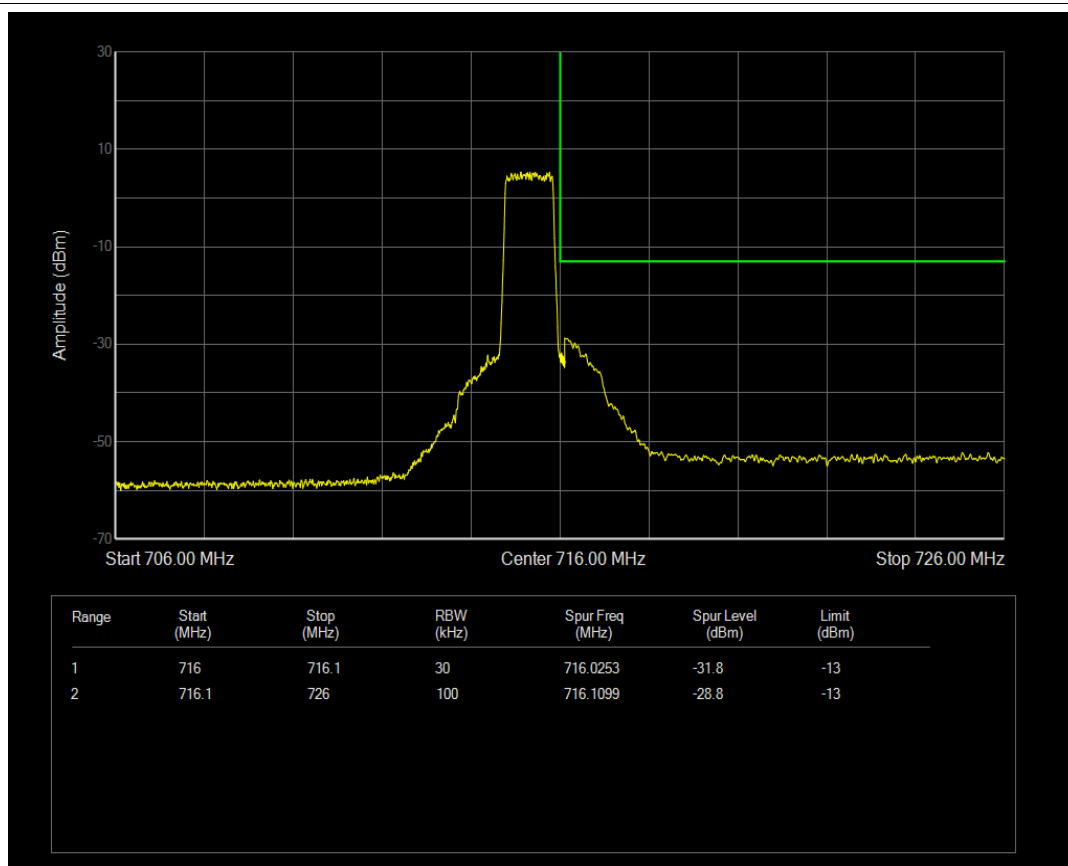




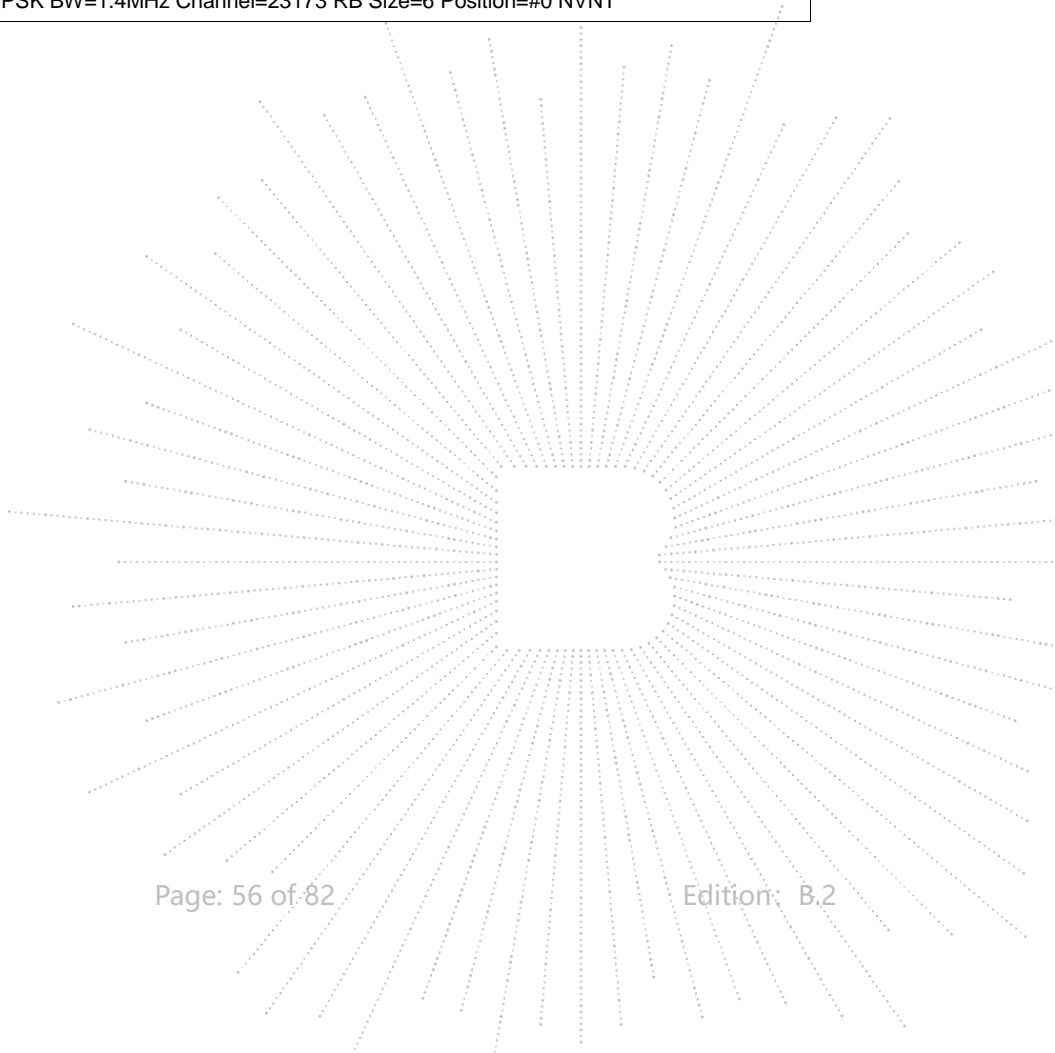
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

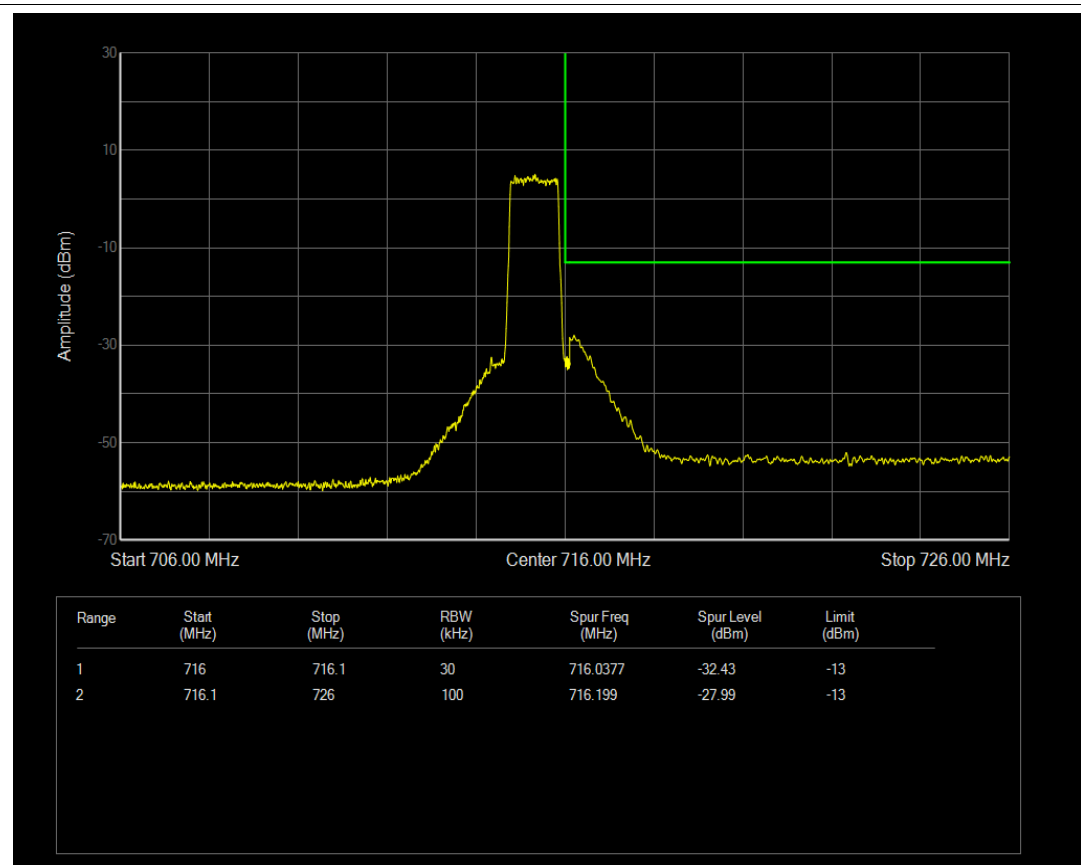


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

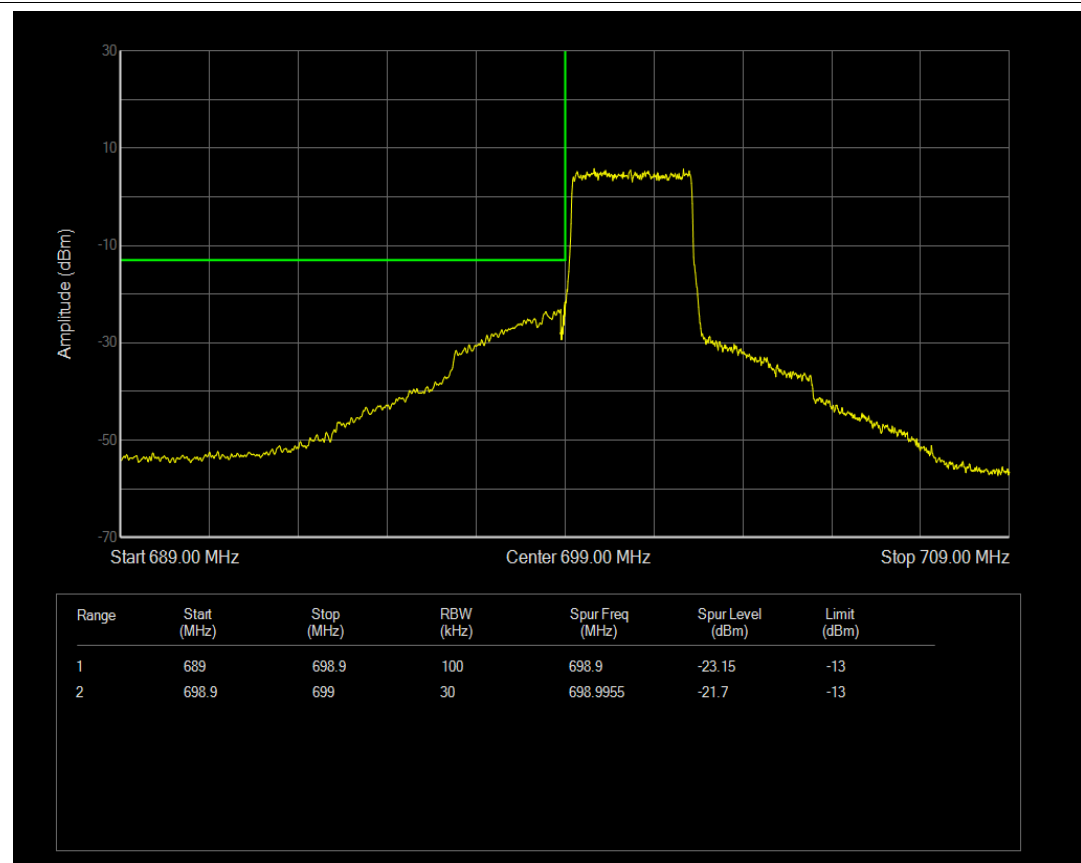


Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT

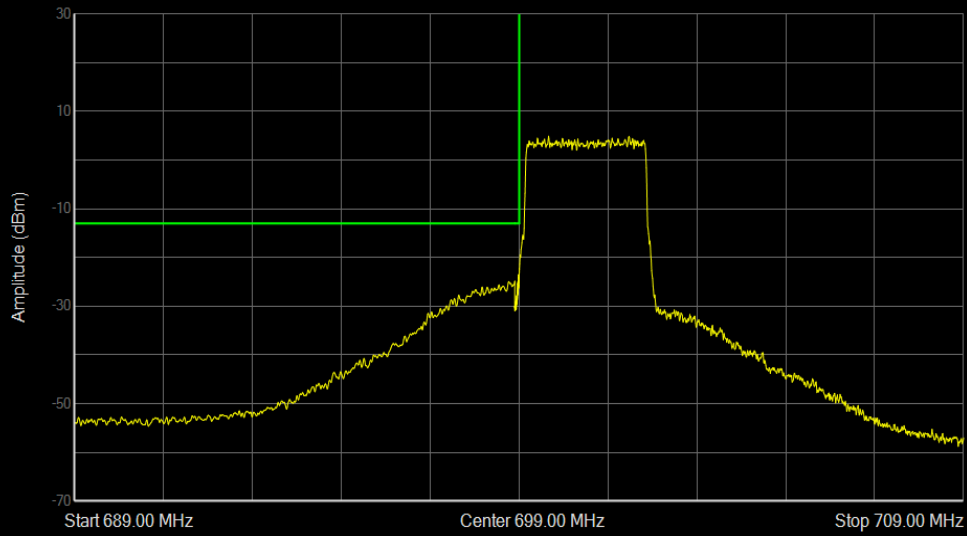




Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT

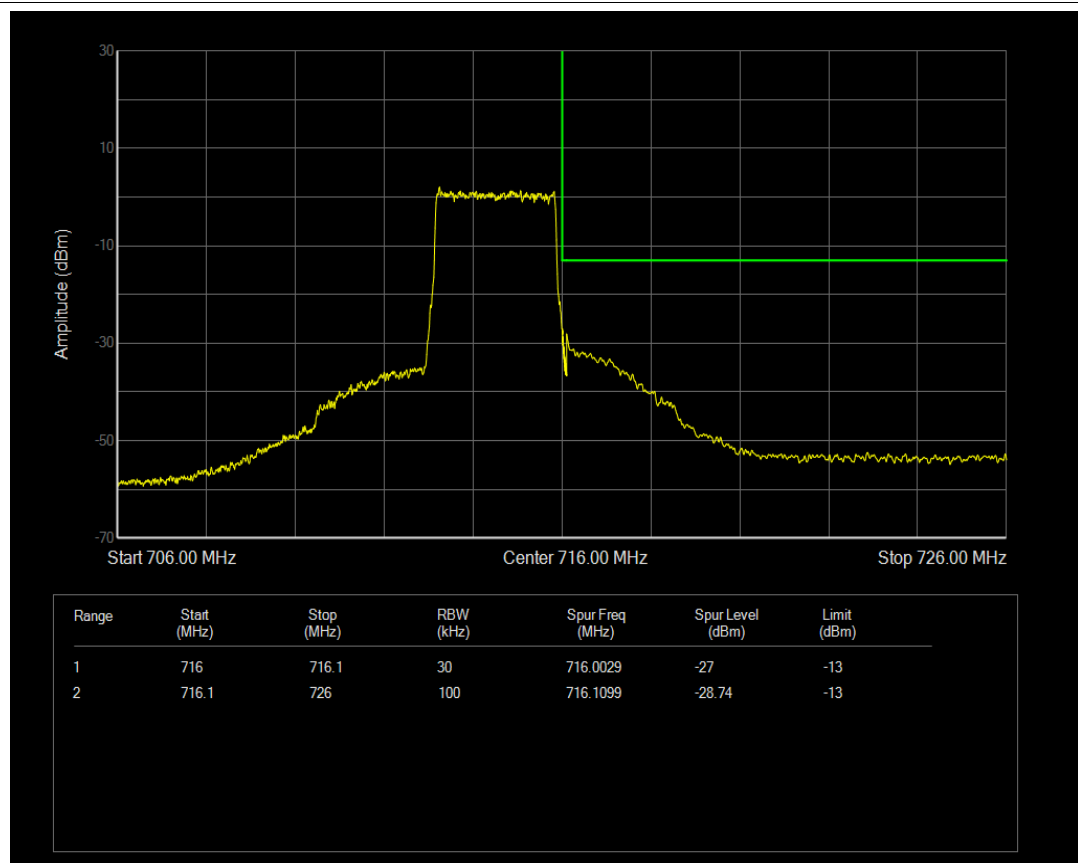


Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

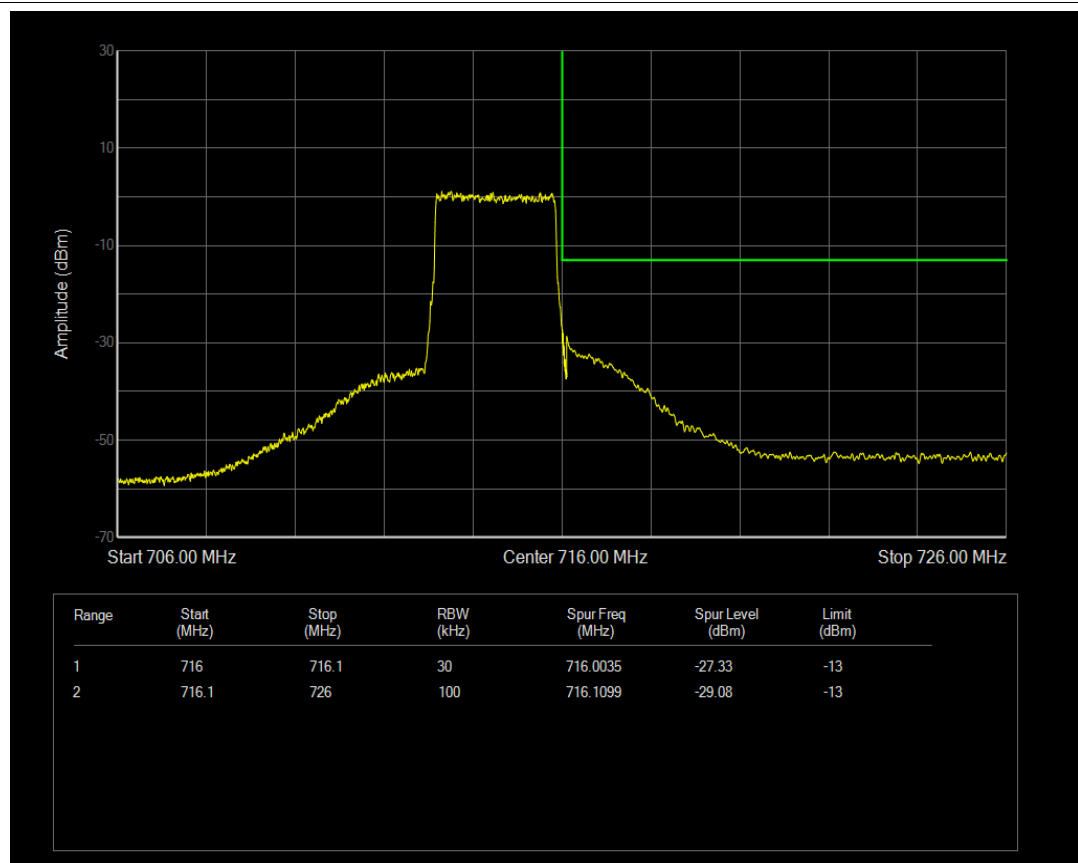


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-24.86	-13
2	698.9	699	30	698.9995	-22.19	-13

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

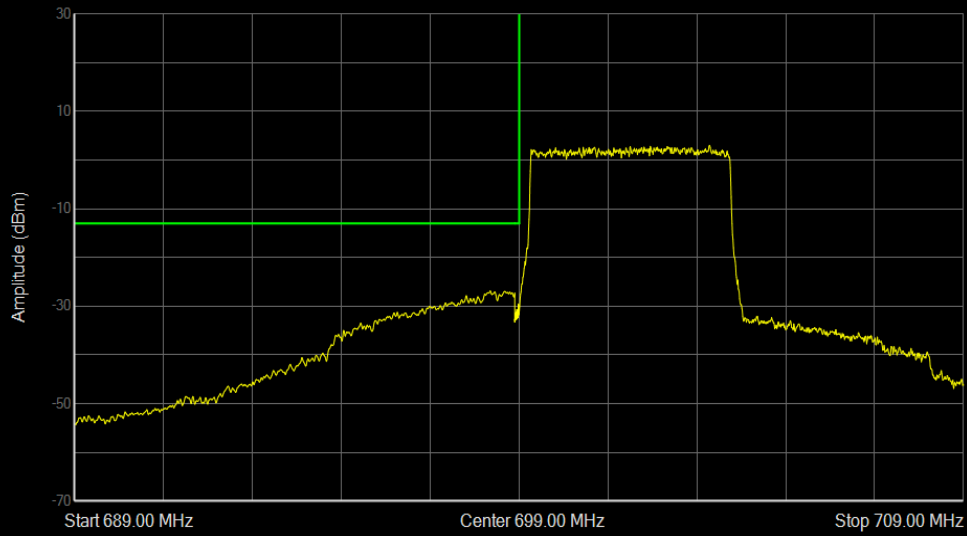


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



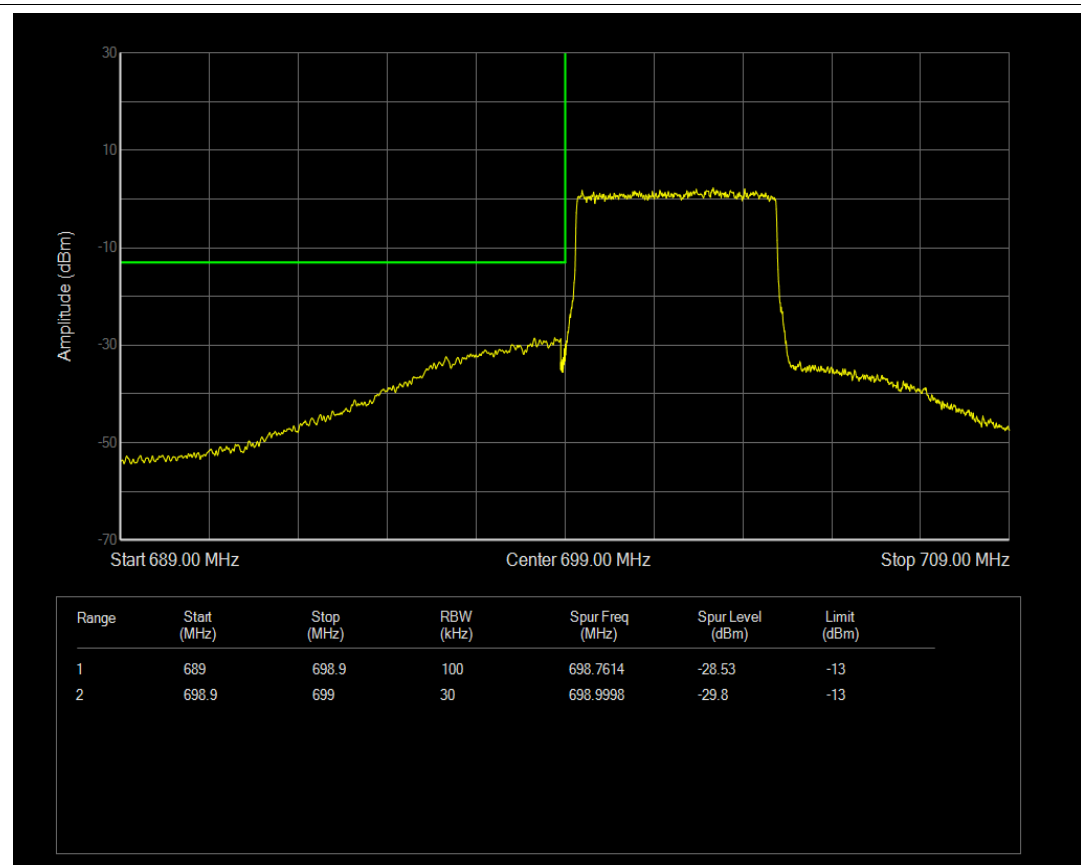


Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT

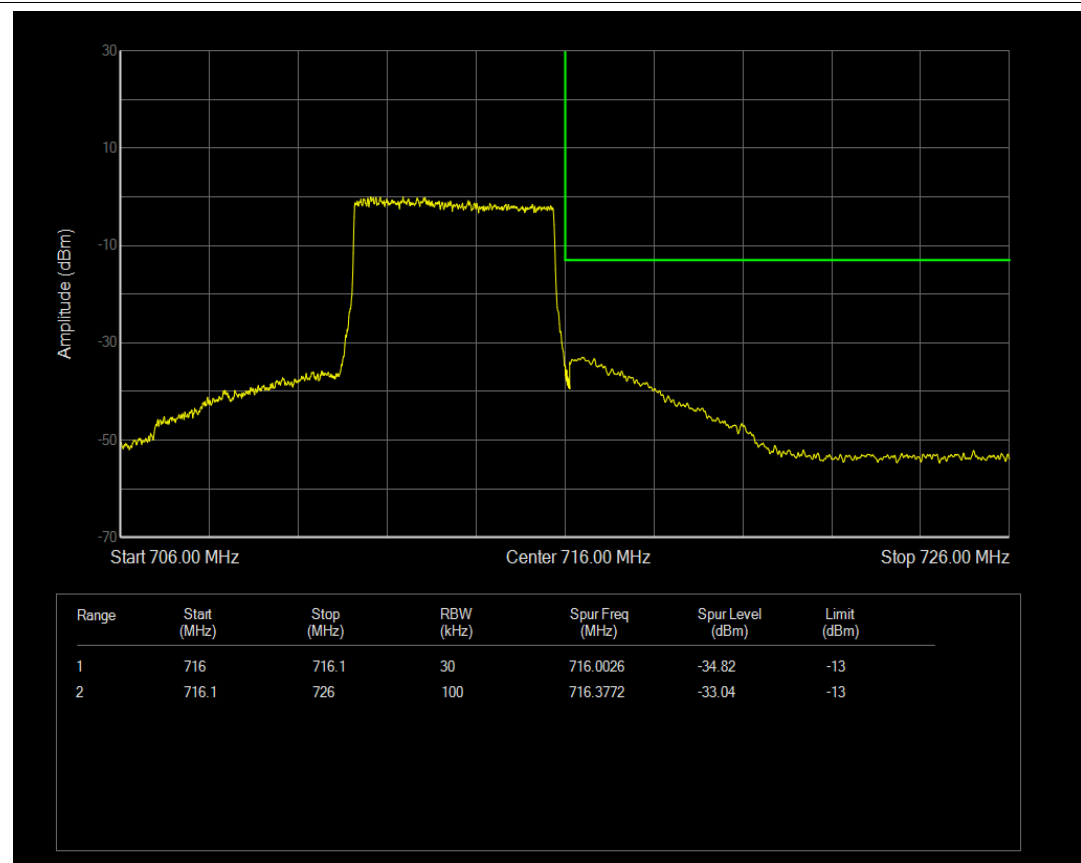


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.3456	-26.88	-13
2	698.9	699	30	698.9813	-29.63	-13

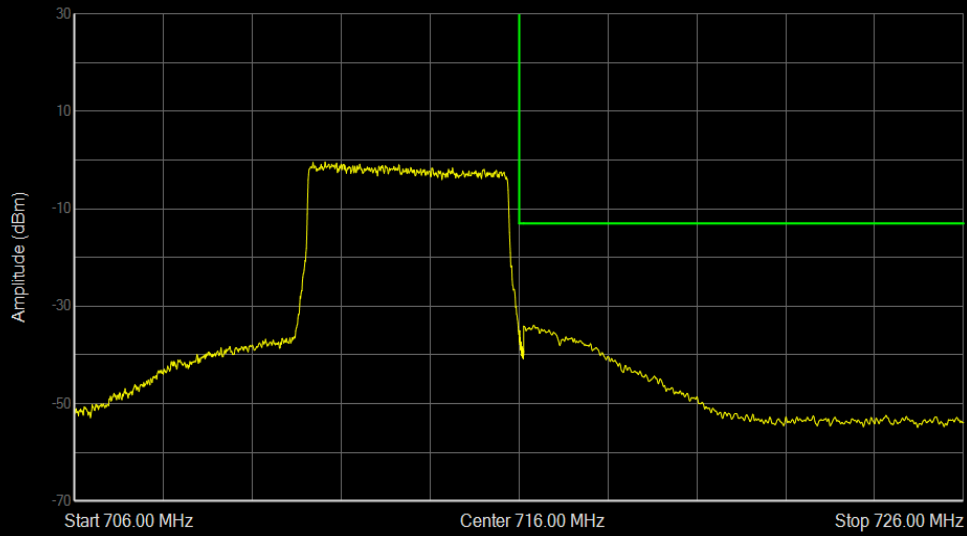
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



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

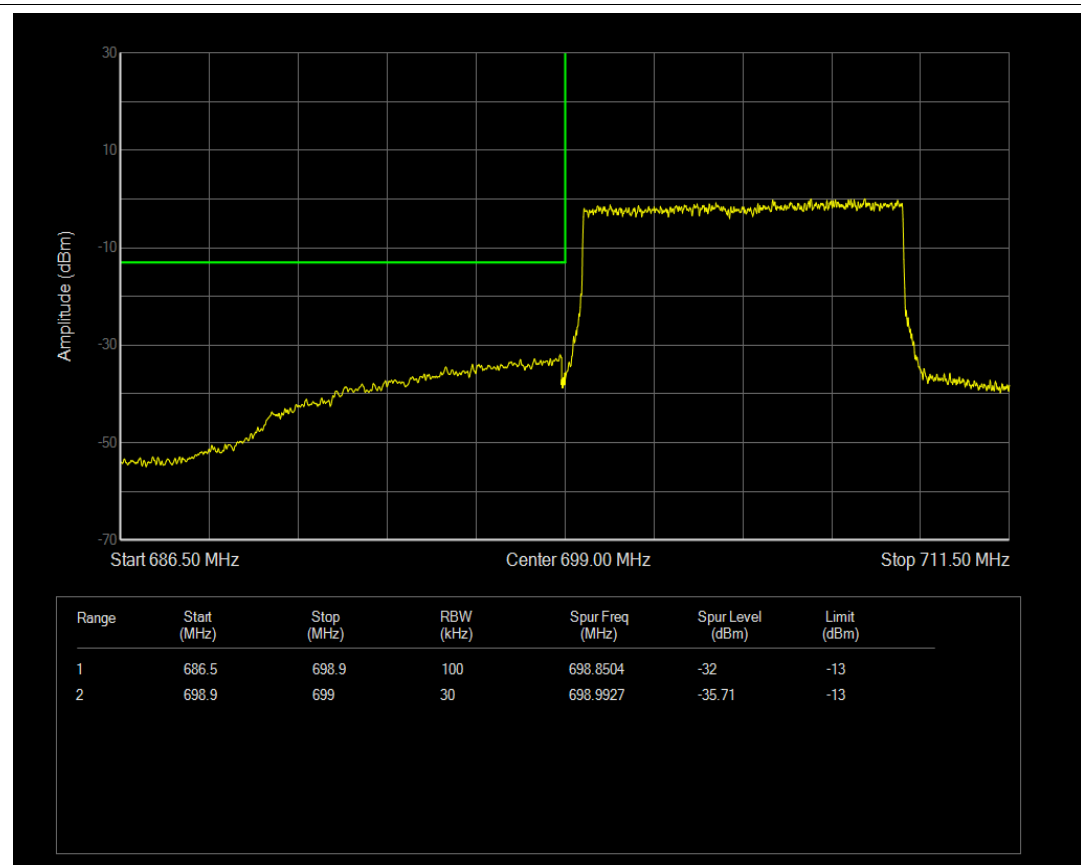


Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT

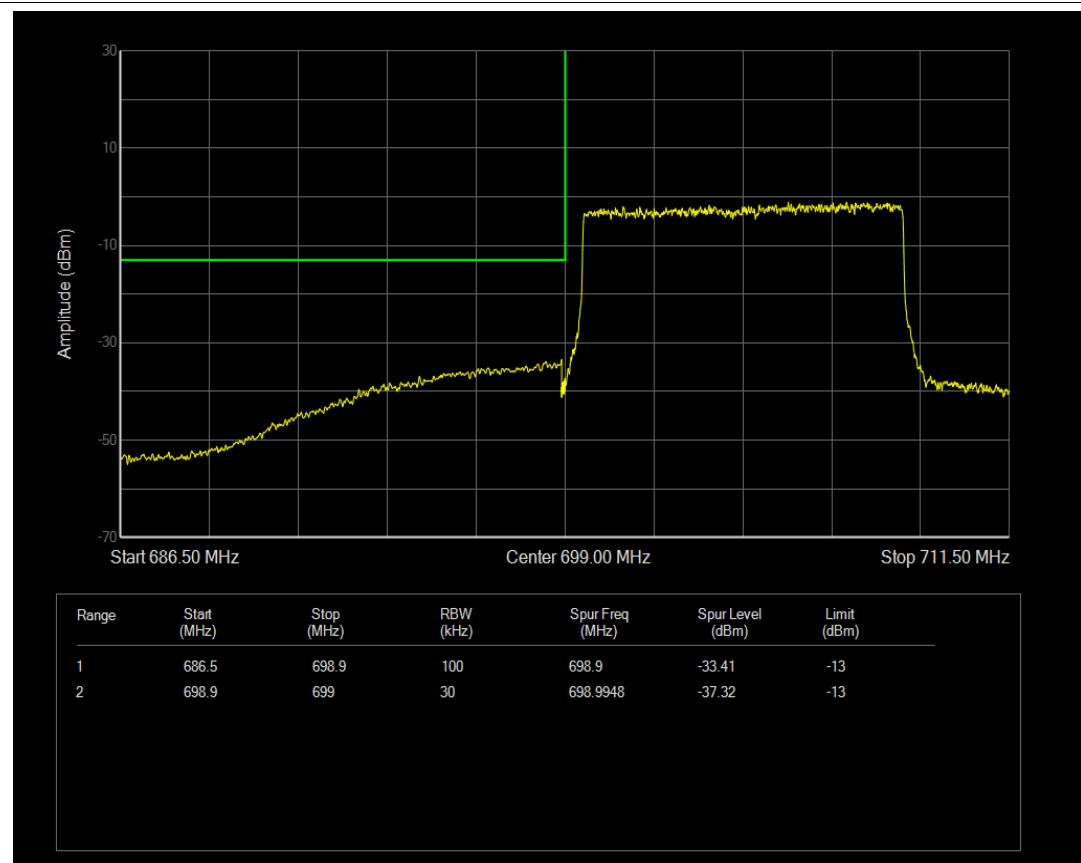


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0077	-35.02	-13
2	716.1	726	100	716.3277	-33.91	-13

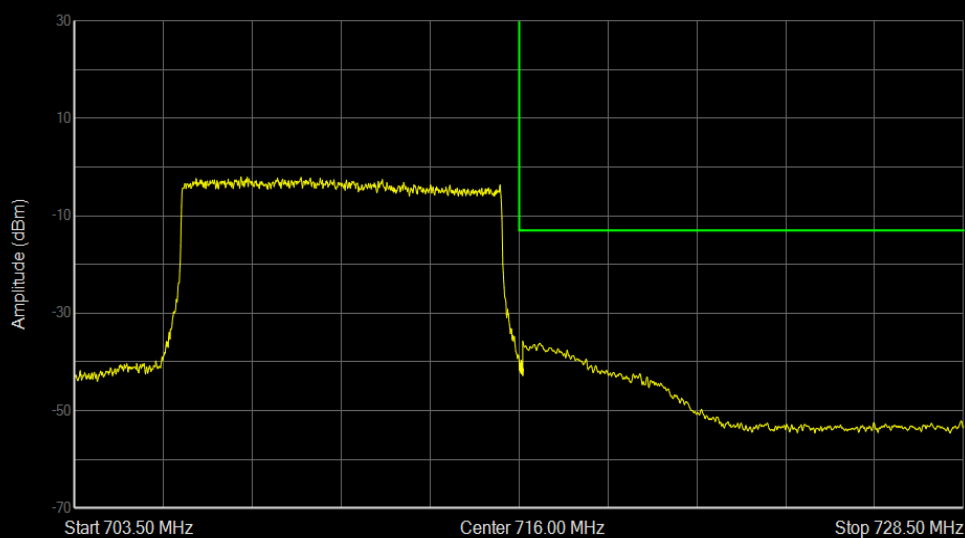
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



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

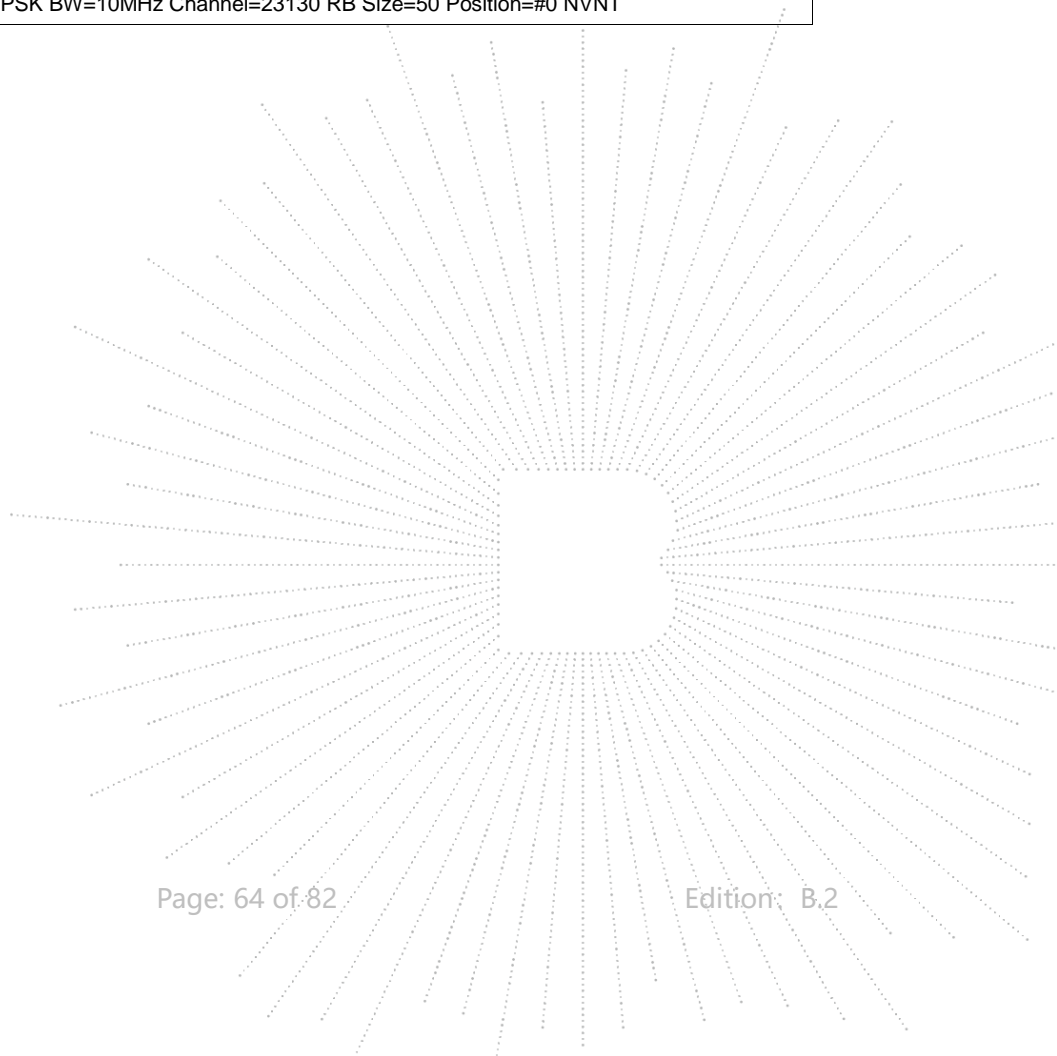


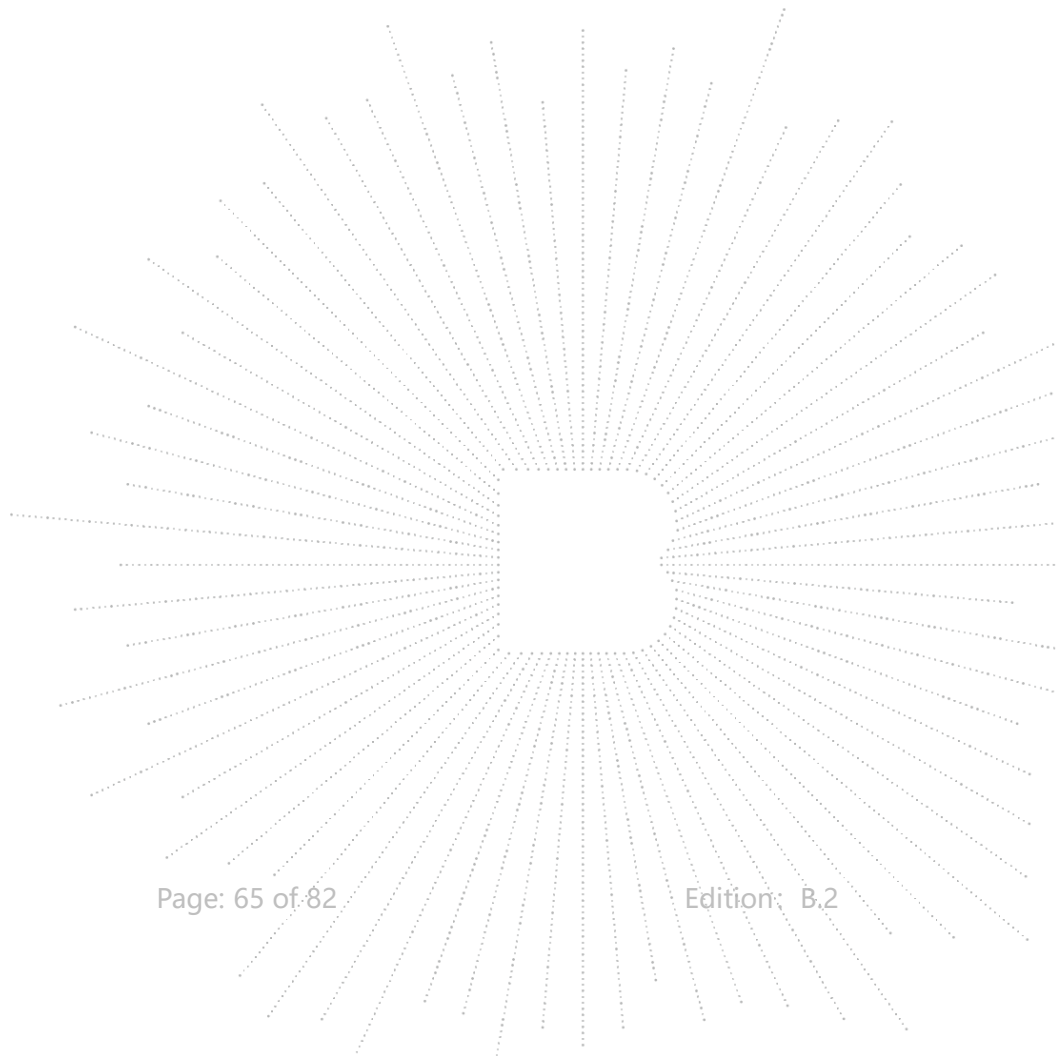
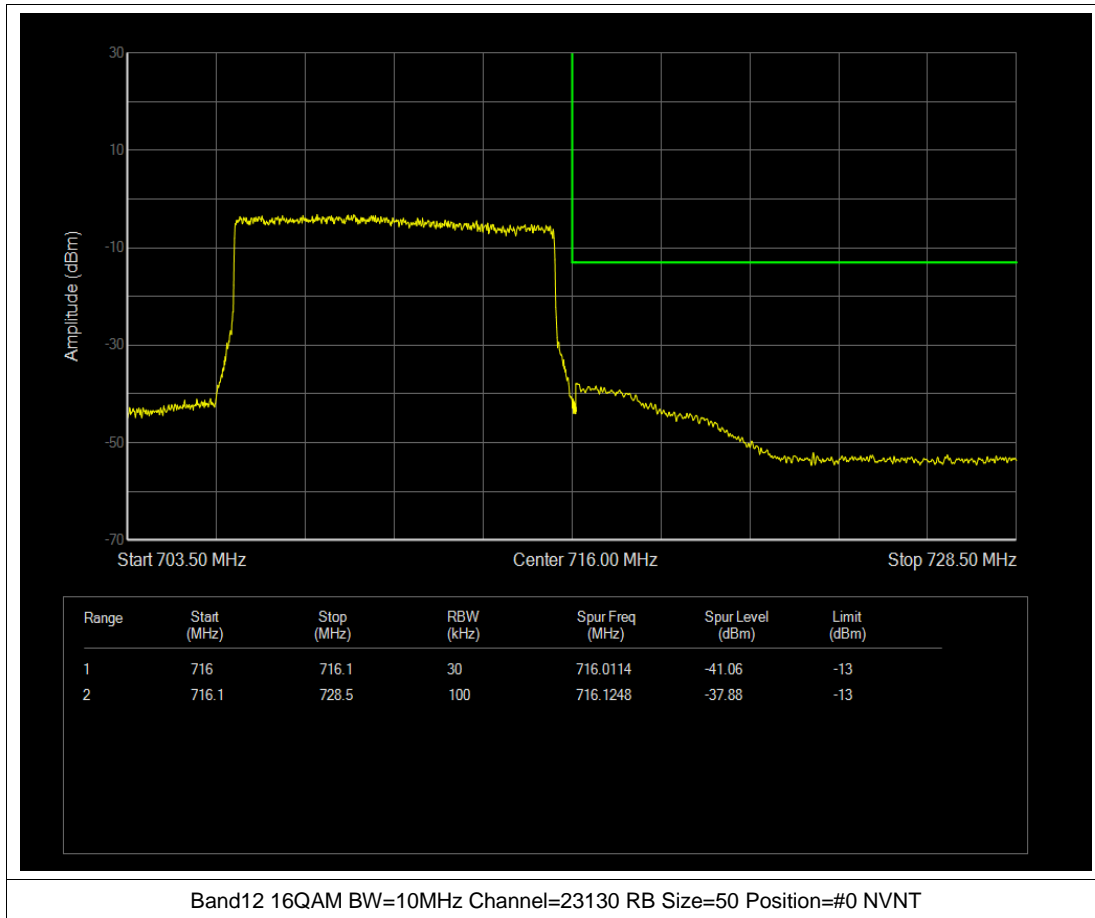
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0039	-39.64	-13
2	716.1	728.5	100	716.1124	-36.15	-13

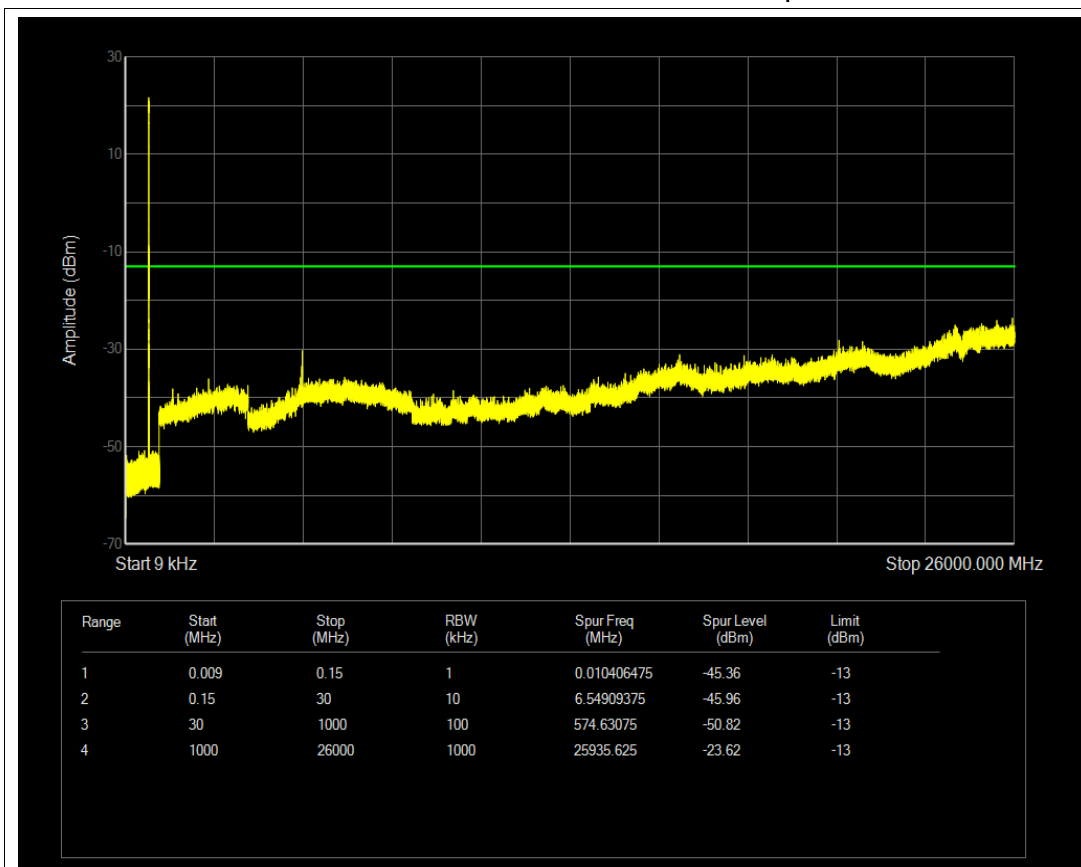
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0 NVNT



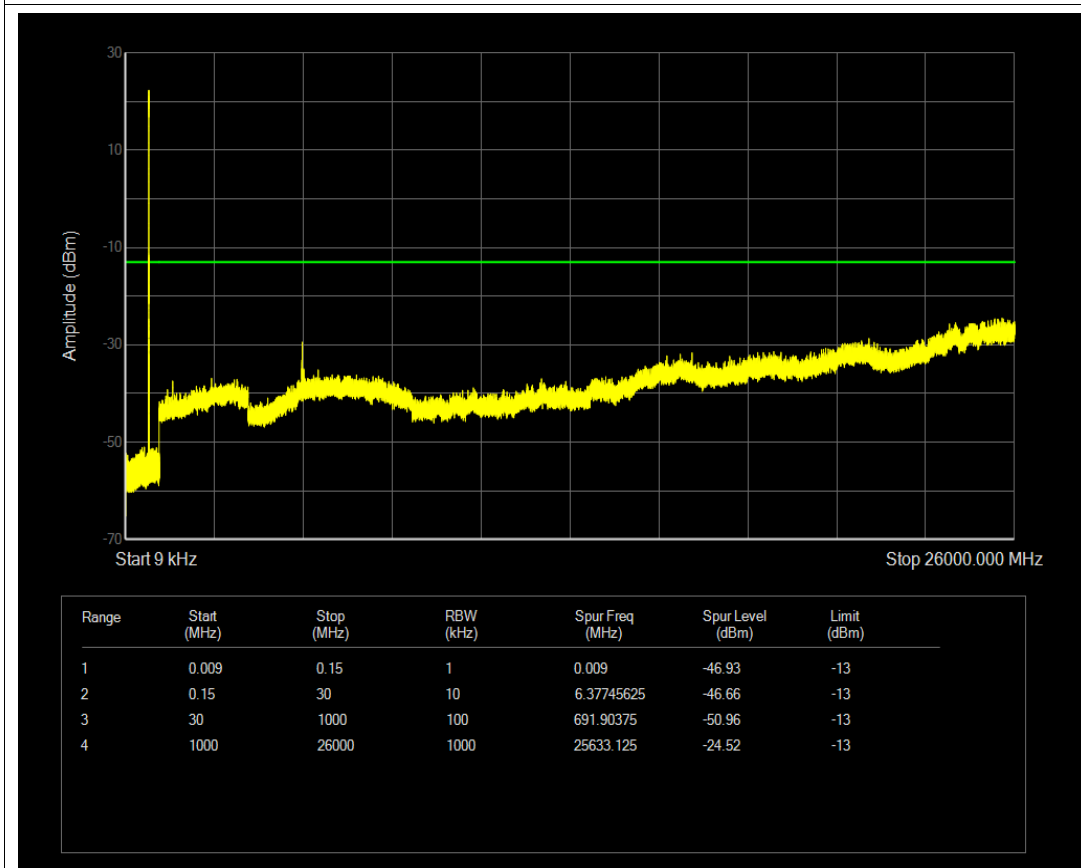


Appendix 6.Out-of-band emissions

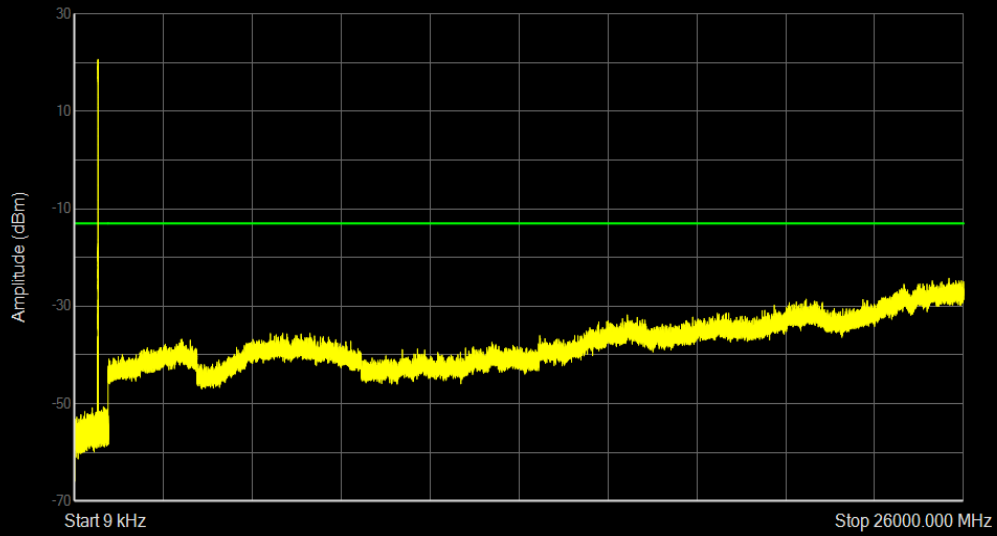
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band12	1.4	23017	6	#0	QPSK	25935.63	-23.62	-13	PASS
NVNT	Band12	1.4	23017	6	#0	16QAM	25633.13	-24.52	-13	PASS
NVNT	Band12	1.4	23095	6	#0	QPSK	25573.75	-24.28	-13	PASS
NVNT	Band12	1.4	23095	6	#0	16QAM	25432.50	-24.11	-13	PASS
NVNT	Band12	1.4	23173	6	#0	QPSK	25597.50	-24.26	-13	PASS
NVNT	Band12	1.4	23173	6	#0	16QAM	25969.38	-24.32	-13	PASS
NVNT	Band12	3	23025	15	#0	QPSK	25080.63	-24.09	-13	PASS
NVNT	Band12	3	23025	15	#0	16QAM	25997.50	-23.92	-13	PASS
NVNT	Band12	3	23095	15	#0	QPSK	25891.88	-24.07	-13	PASS
NVNT	Band12	3	23095	15	#0	16QAM	25092.50	-24.69	-13	PASS
NVNT	Band12	3	23165	15	#0	QPSK	25315.63	-24.32	-13	PASS
NVNT	Band12	3	23165	15	#0	16QAM	25764.38	-24.19	-13	PASS
NVNT	Band12	5	23035	25	#0	QPSK	25638.13	-24.34	-13	PASS
NVNT	Band12	5	23035	25	#0	16QAM	25995.00	-23.90	-13	PASS
NVNT	Band12	5	23095	25	#0	QPSK	25345.63	-24.78	-13	PASS
NVNT	Band12	5	23095	25	#0	16QAM	25755.63	-24.02	-13	PASS
NVNT	Band12	5	23155	25	#0	QPSK	25627.50	-24.04	-13	PASS
NVNT	Band12	5	23155	25	#0	16QAM	25850.63	-23.74	-13	PASS
NVNT	Band12	10	23060	50	#0	QPSK	25275.00	-24.23	-13	PASS
NVNT	Band12	10	23060	50	#0	16QAM	25672.50	-24.06	-13	PASS
NVNT	Band12	10	23095	50	#0	QPSK	25868.75	-23.77	-13	PASS
NVNT	Band12	10	23095	50	#0	16QAM	25885.00	-23.52	-13	PASS
NVNT	Band12	10	23130	50	#0	QPSK	25061.25	-24.04	-13	PASS
NVNT	Band12	10	23130	50	#0	16QAM	25801.88	-23.66	-13	PASS



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

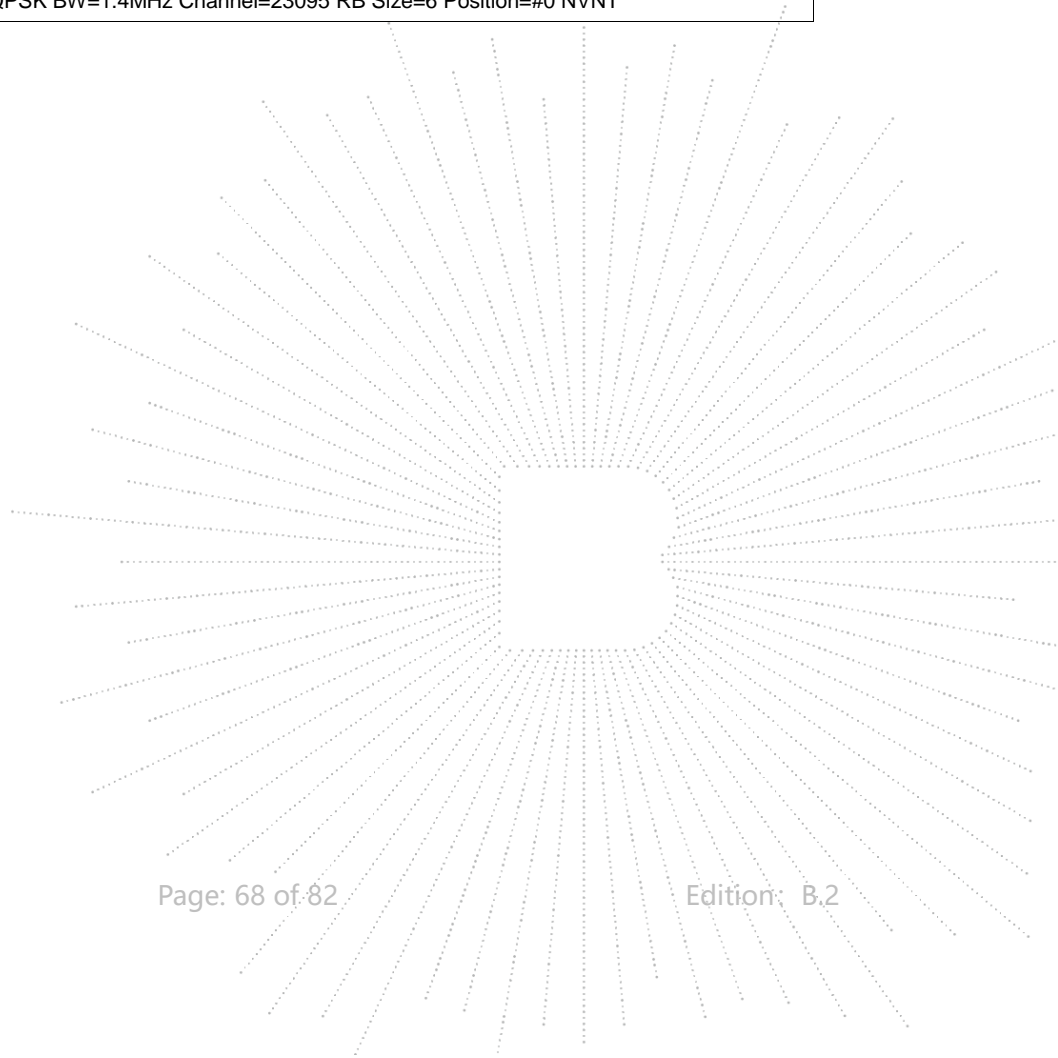


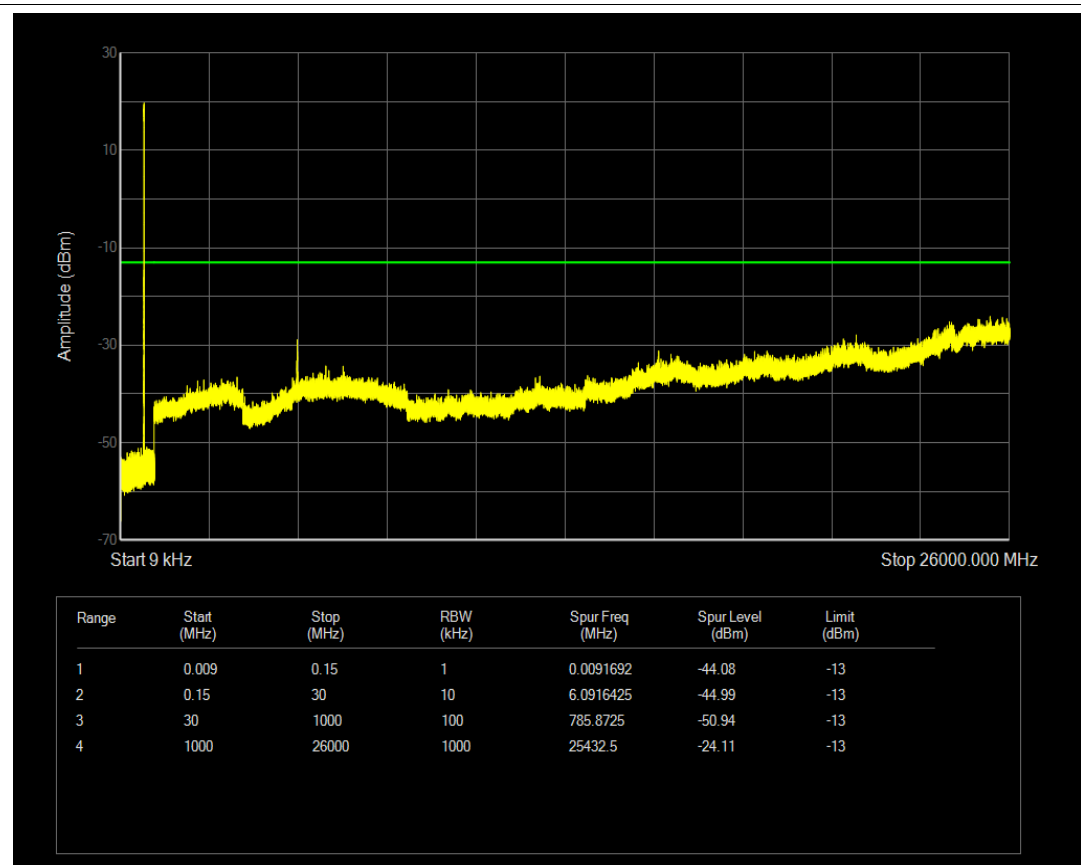
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT



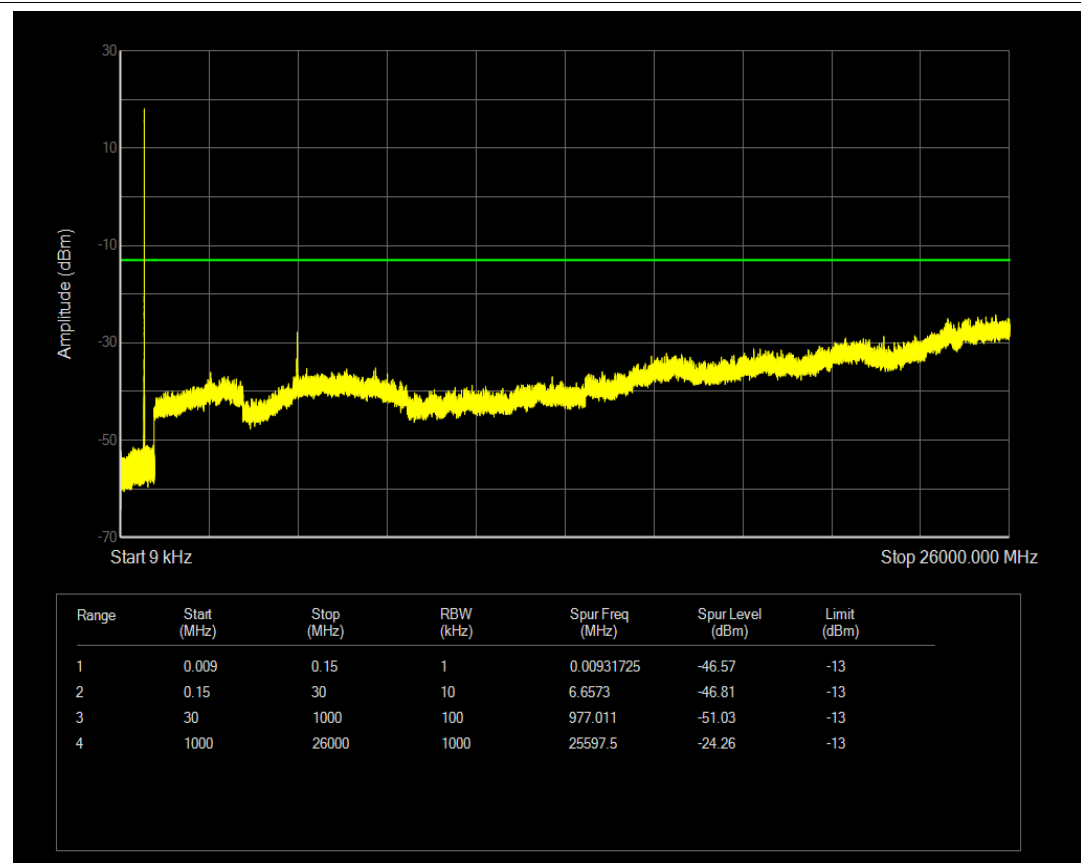
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009941175	-45.23	-13
2	0.15	30	10	6.087165	-46.51	-13
3	30	1000	100	691.32175	-49.75	-13
4	1000	26000	1000	25573.75	-24.28	-13

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

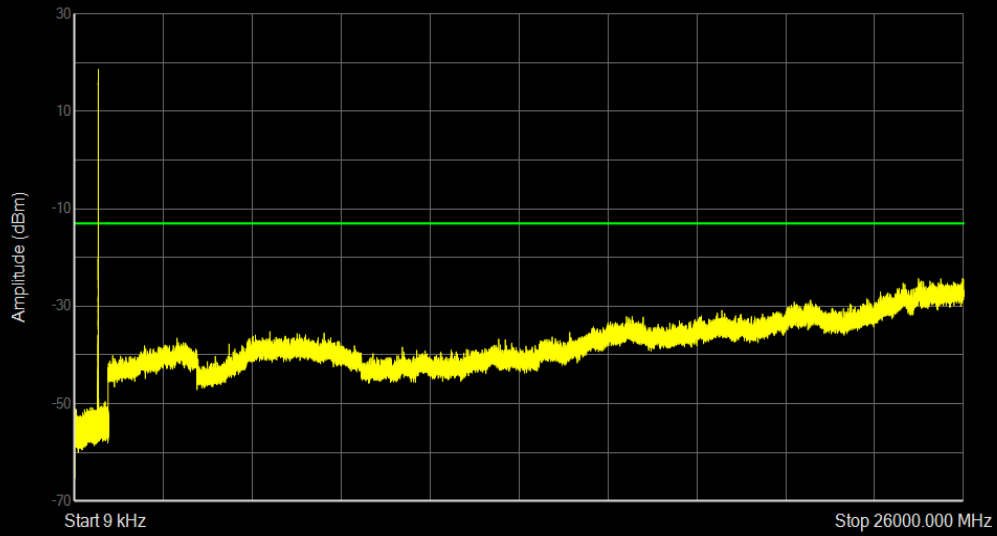




Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT

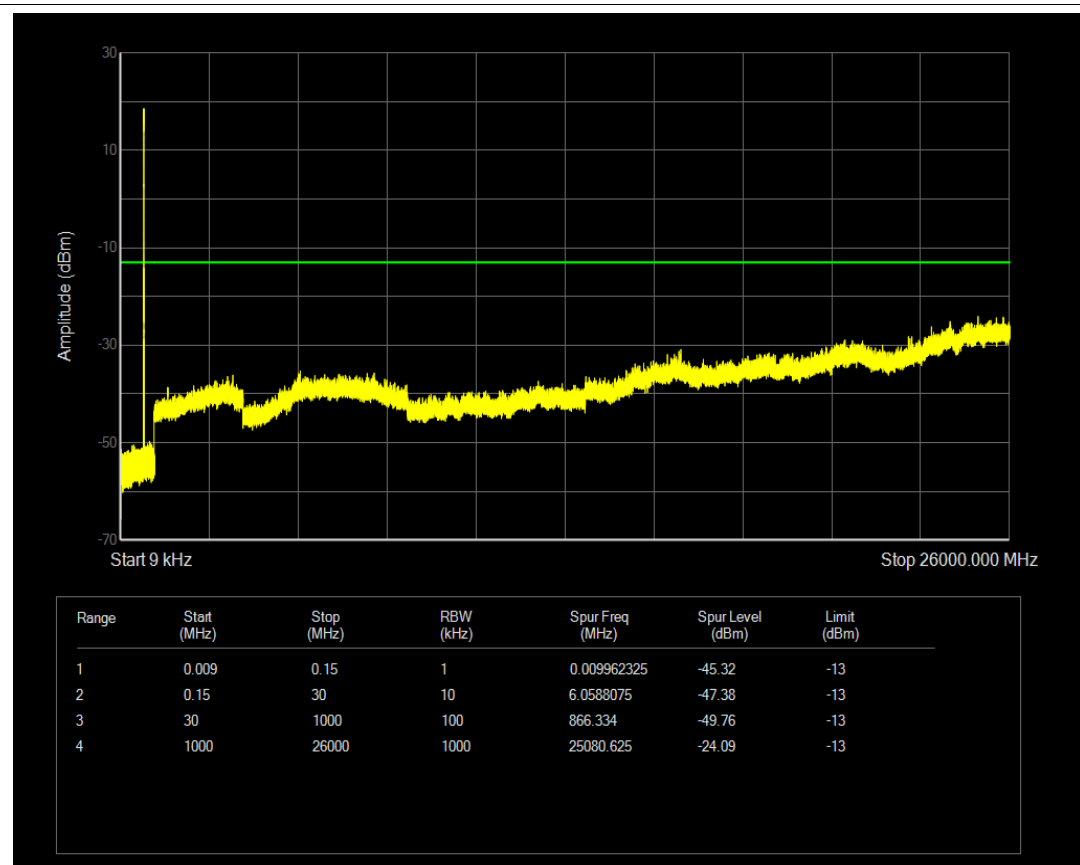


Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT

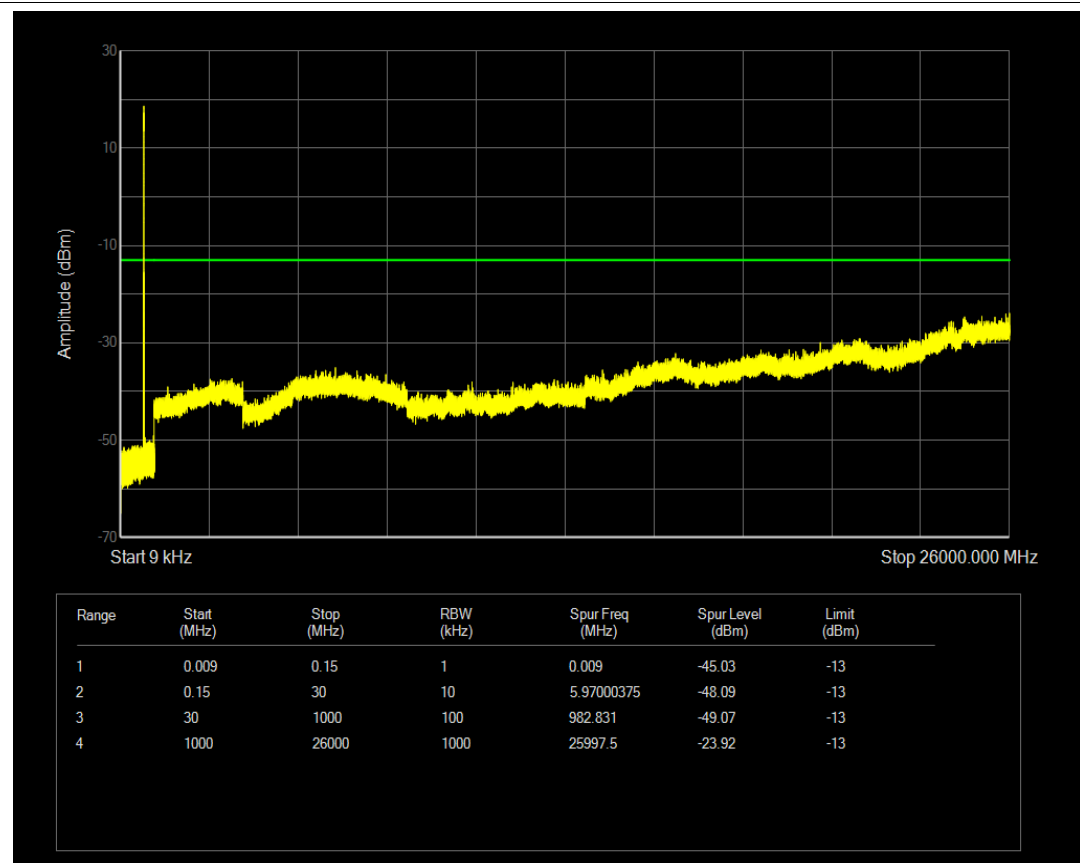


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009976425	-45.77	-13
2	0.15	30	10	6.48193125	-48.22	-13
3	30	1000	100	916.4345	-49.59	-13
4	1000	26000	1000	25969.375	-24.32	-13

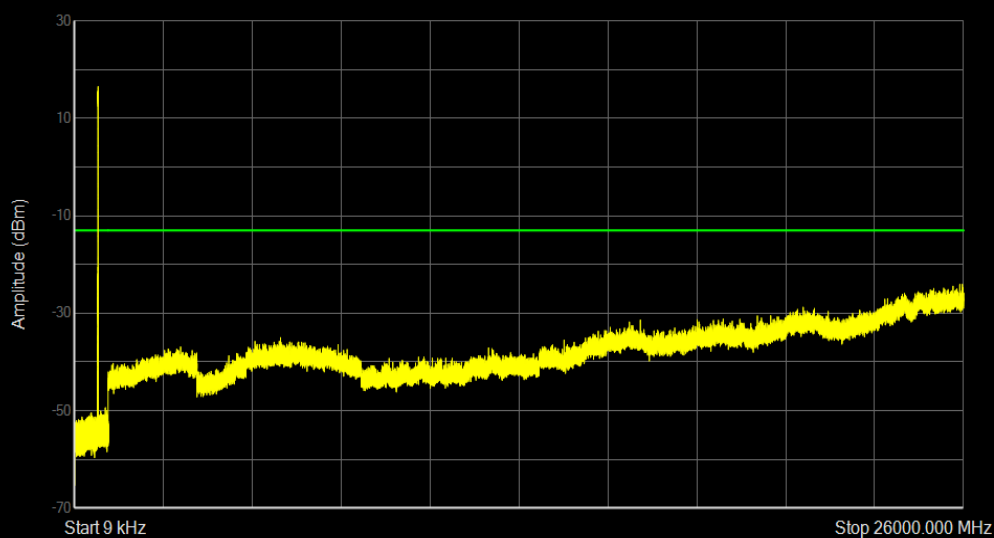
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



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

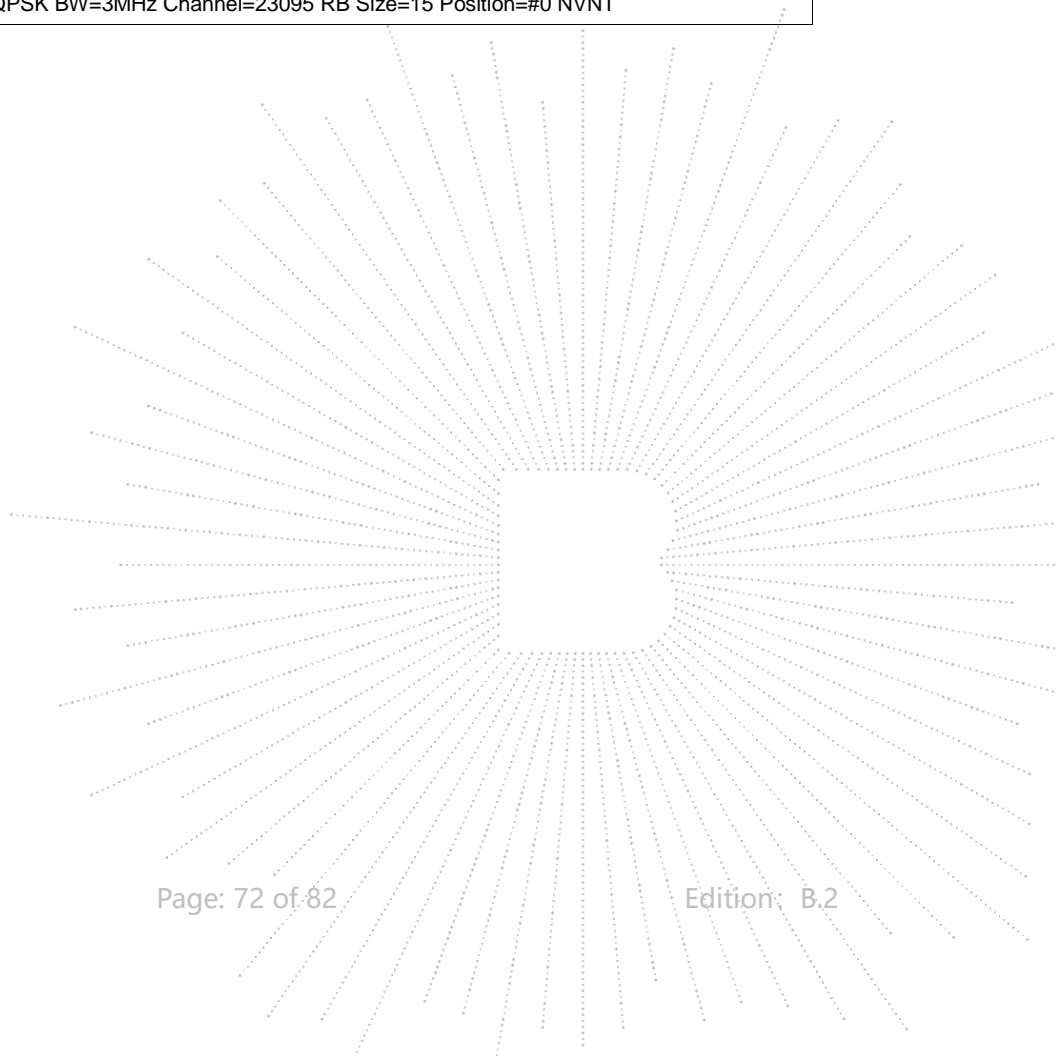


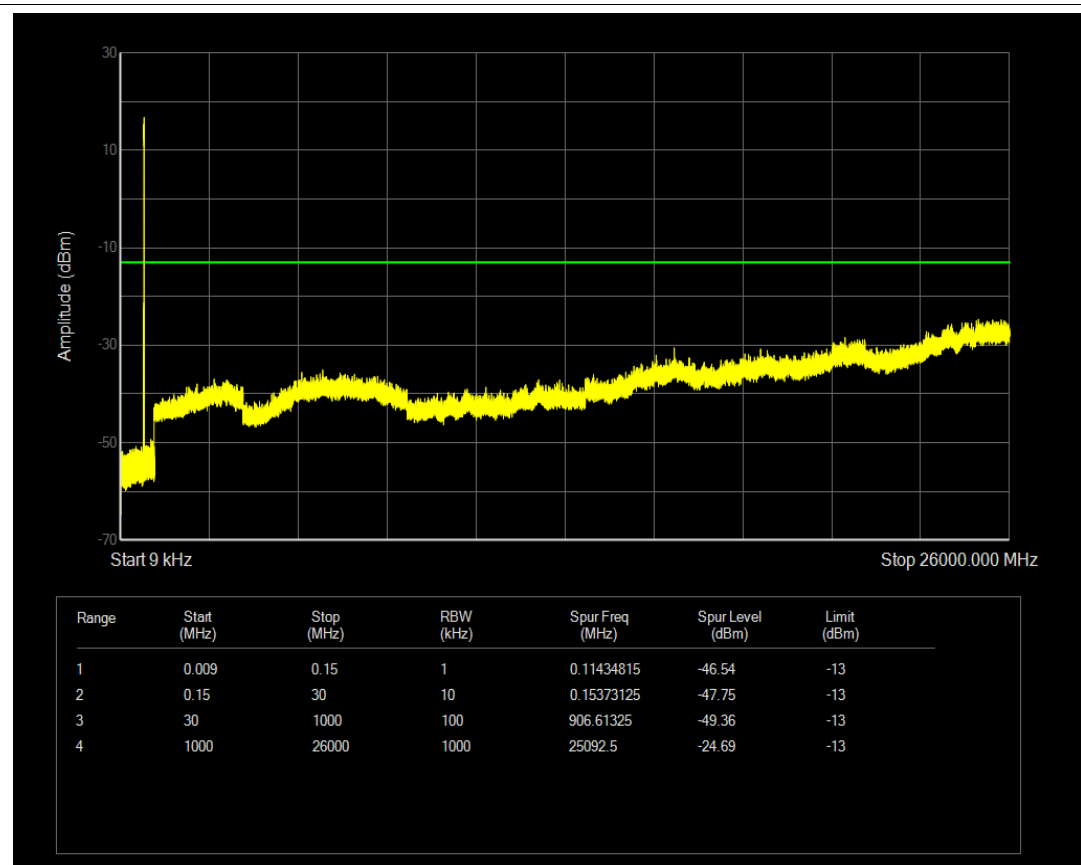
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT



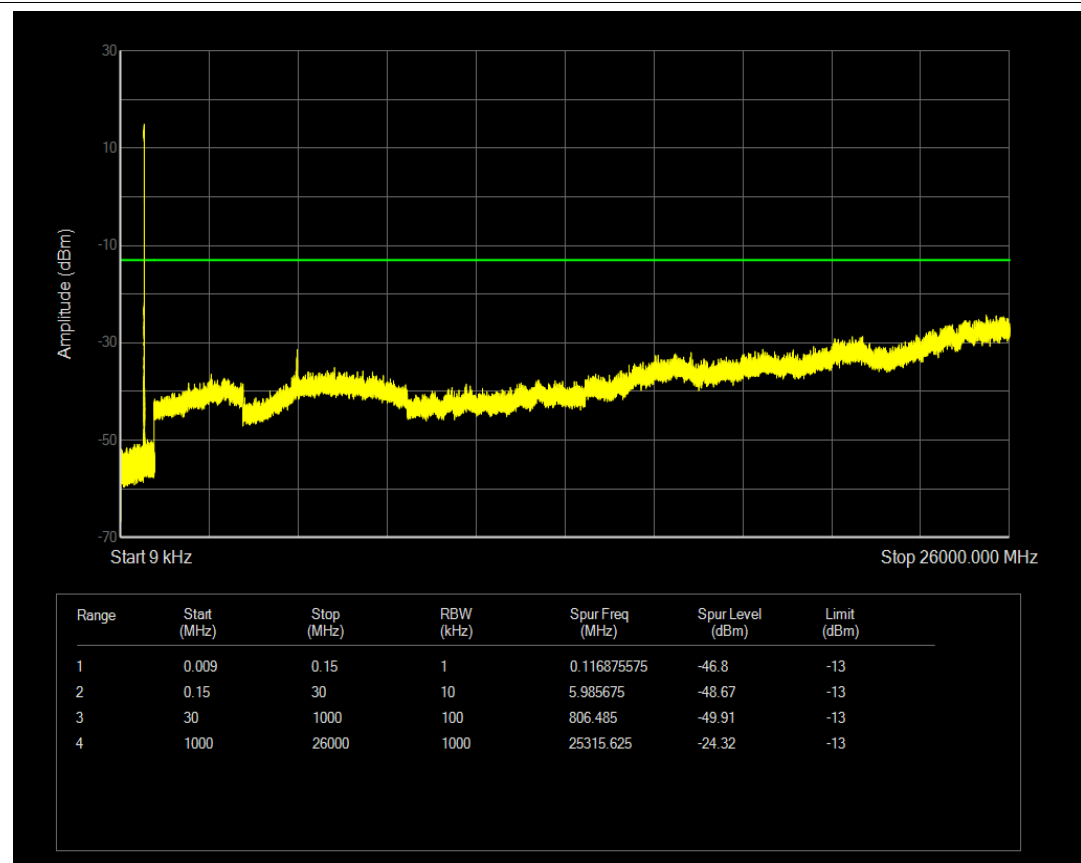
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-43.46	-13
2	0.15	30	10	5.99836125	-48.31	-13
3	30	1000	100	920.29025	-49.4	-13
4	1000	26000	1000	25891.875	-24.07	-13

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

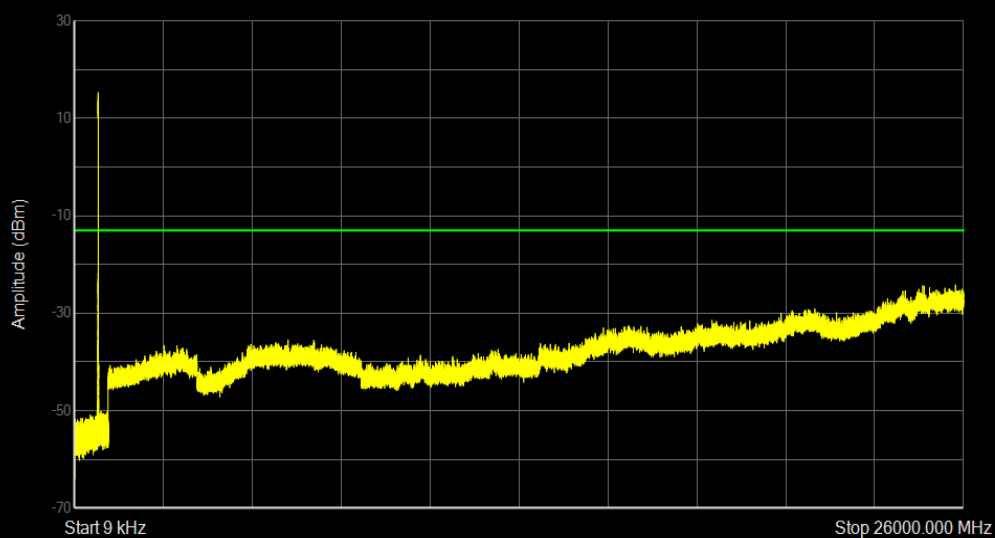




Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT

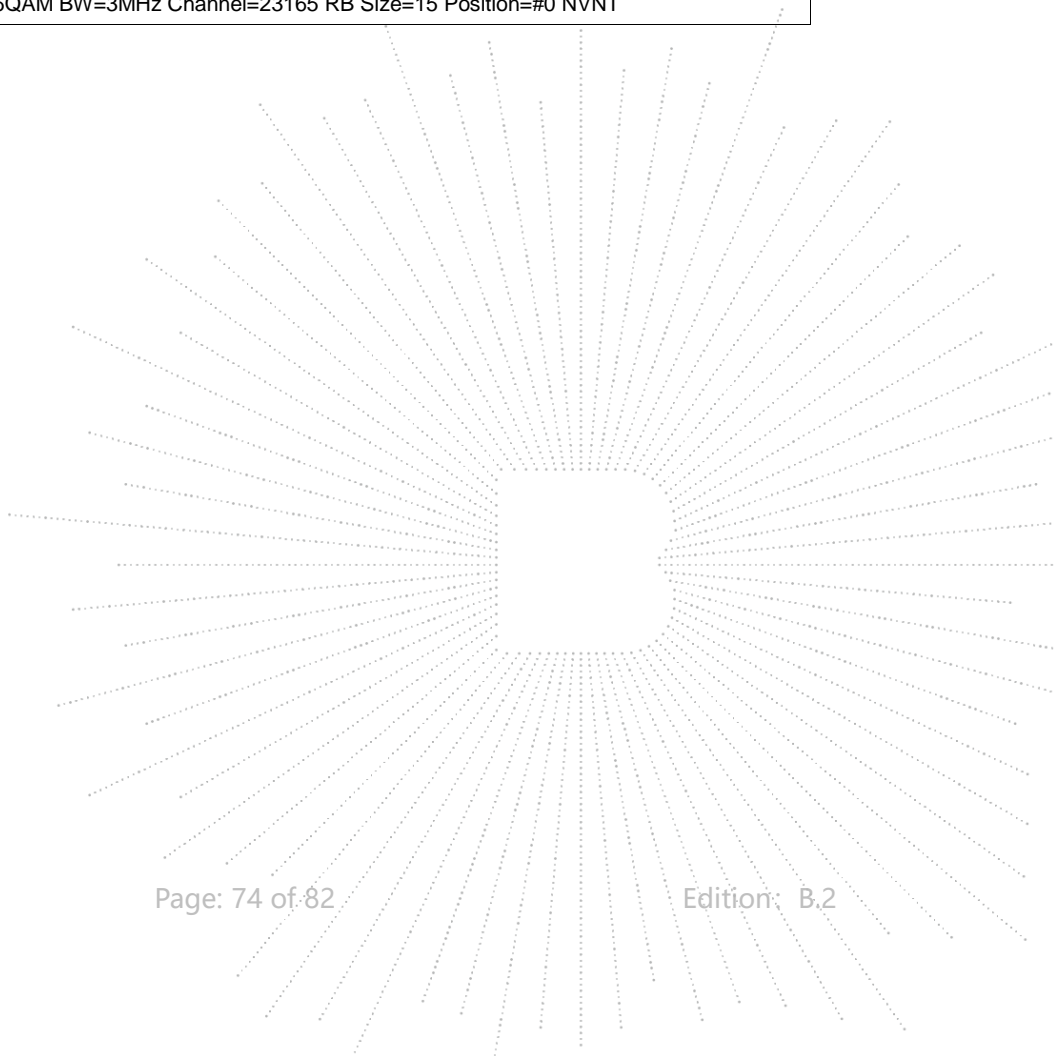


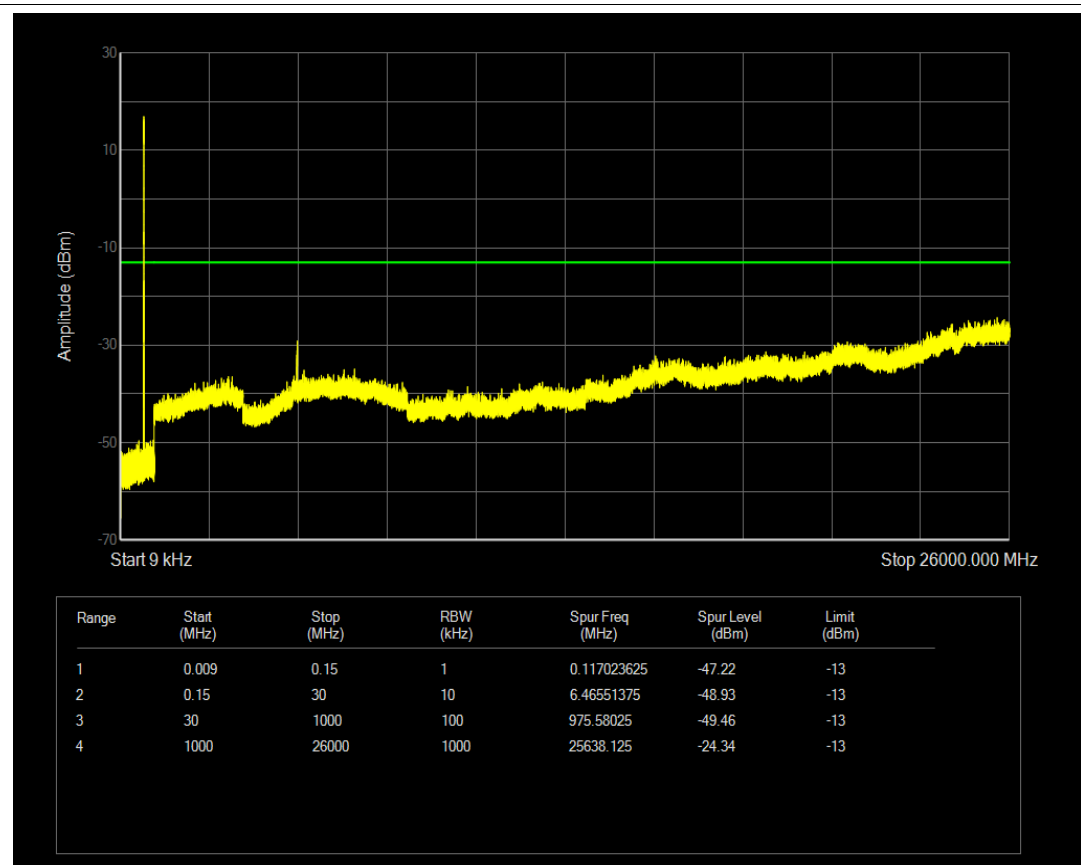
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



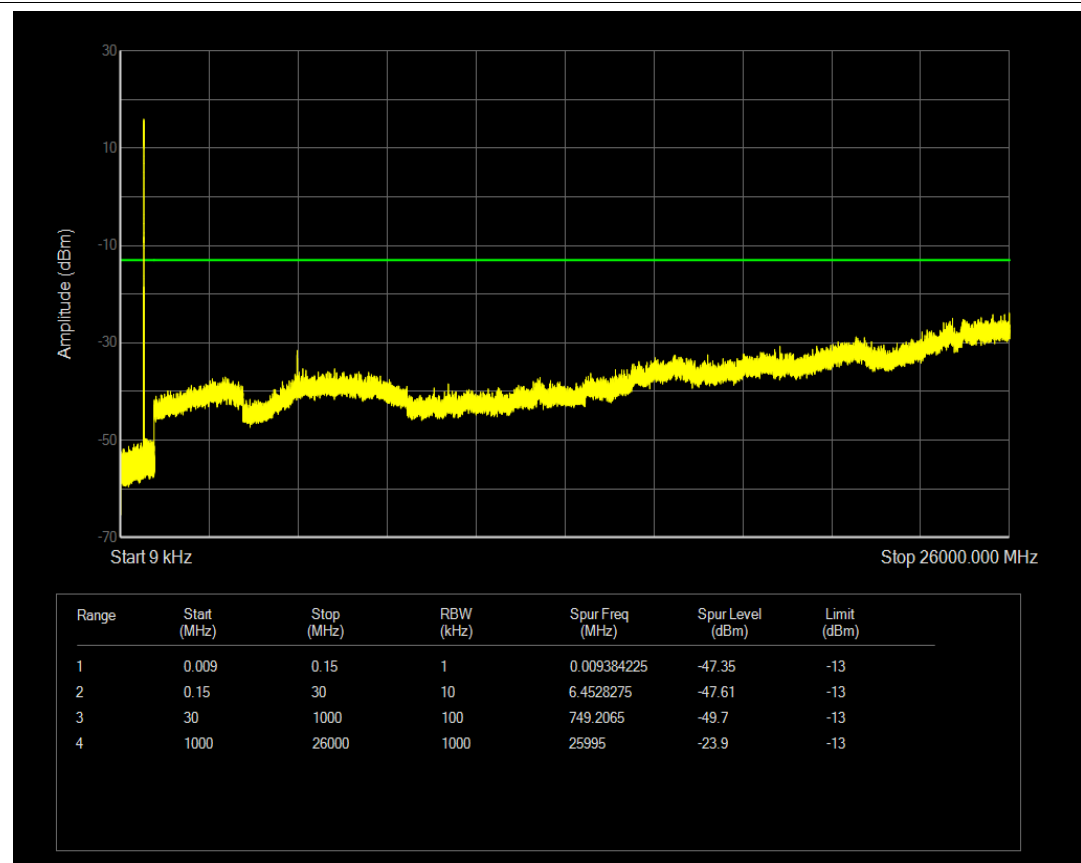
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-45.47	-13
2	0.15	30	10	6.02970375	-48.38	-13
3	30	1000	100	681.646	-50.09	-13
4	1000	26000	1000	25764.375	-24.19	-13

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

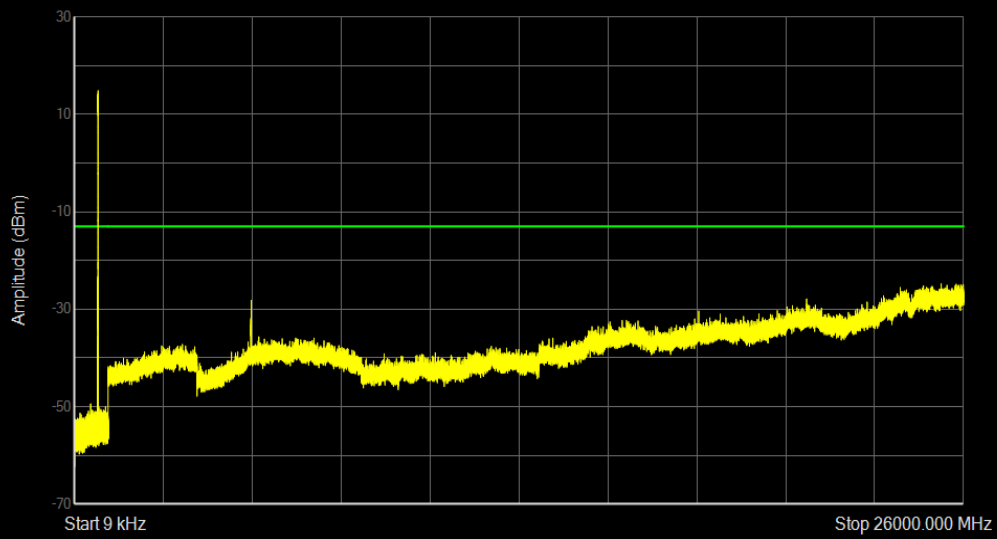




Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT

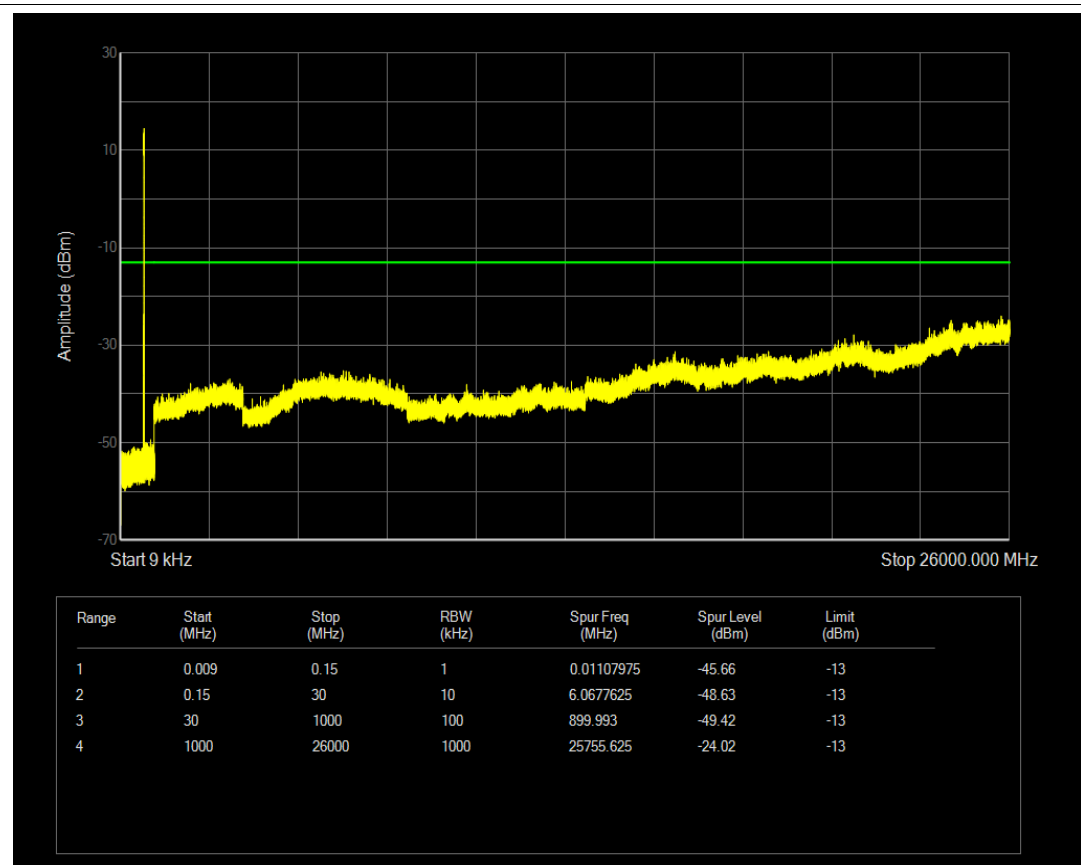


Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT

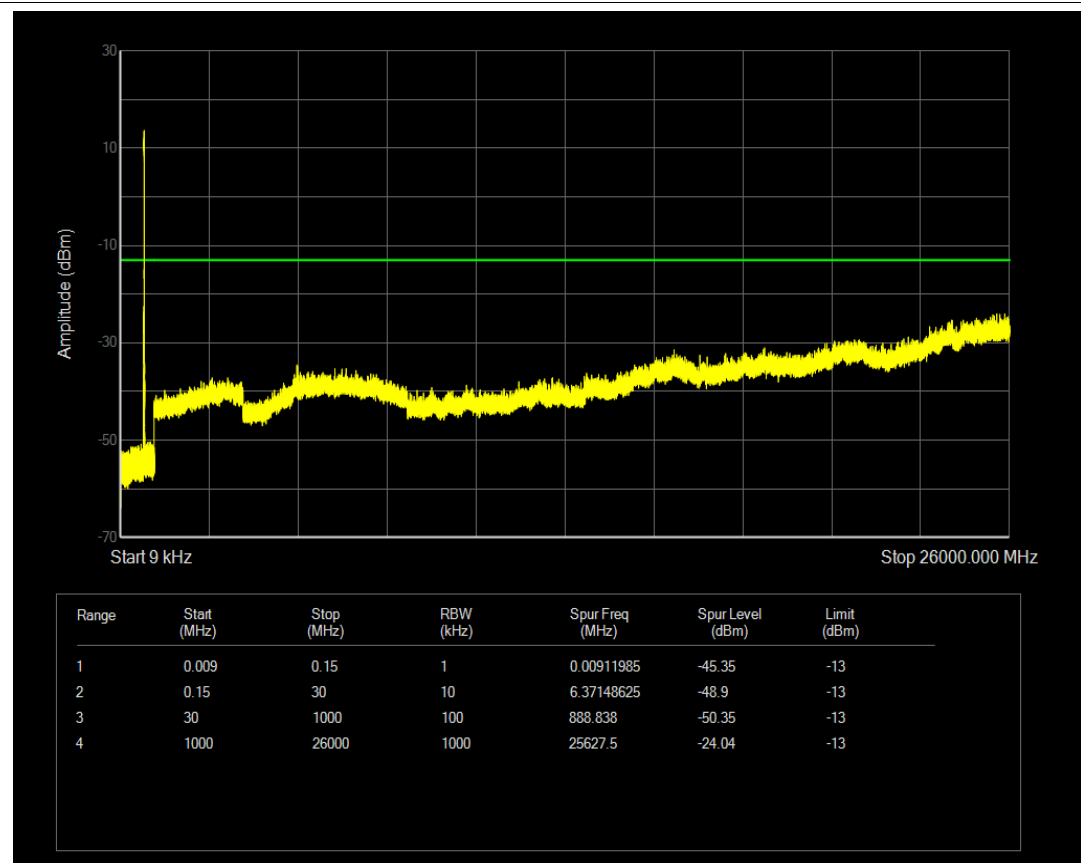


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009884775	-45.69	-13
2	0.15	30	10	0.15373125	-48.83	-13
3	30	1000	100	493.0295	-49.43	-13
4	1000	26000	1000	25345.625	-24.78	-13

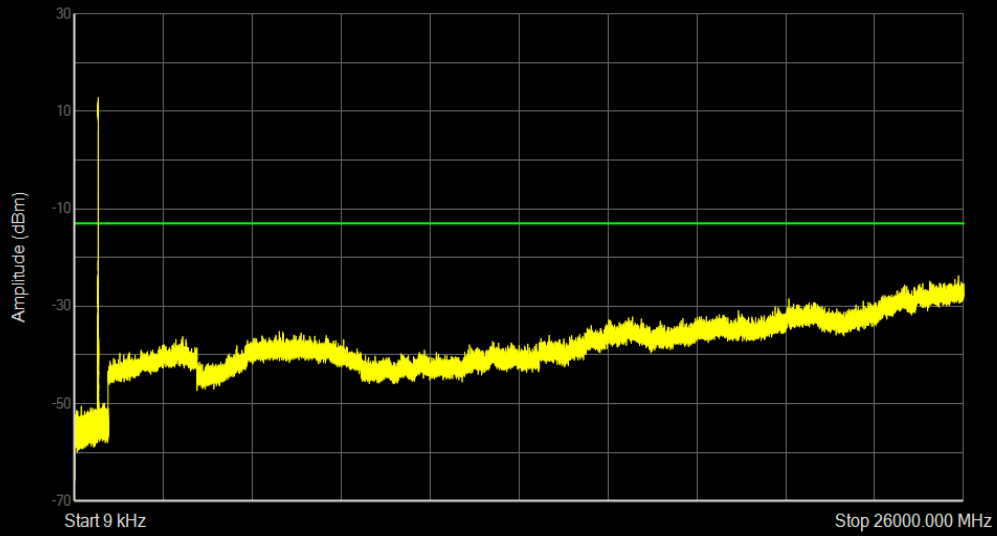
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT



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

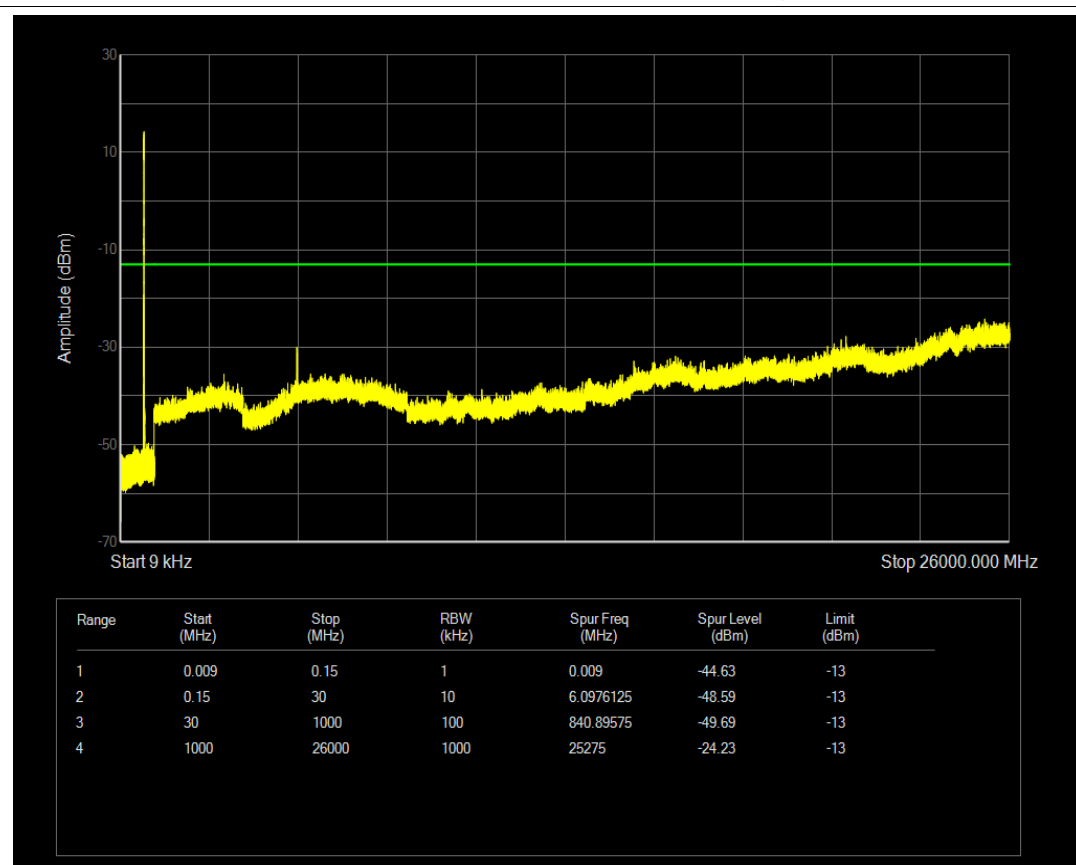


Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT

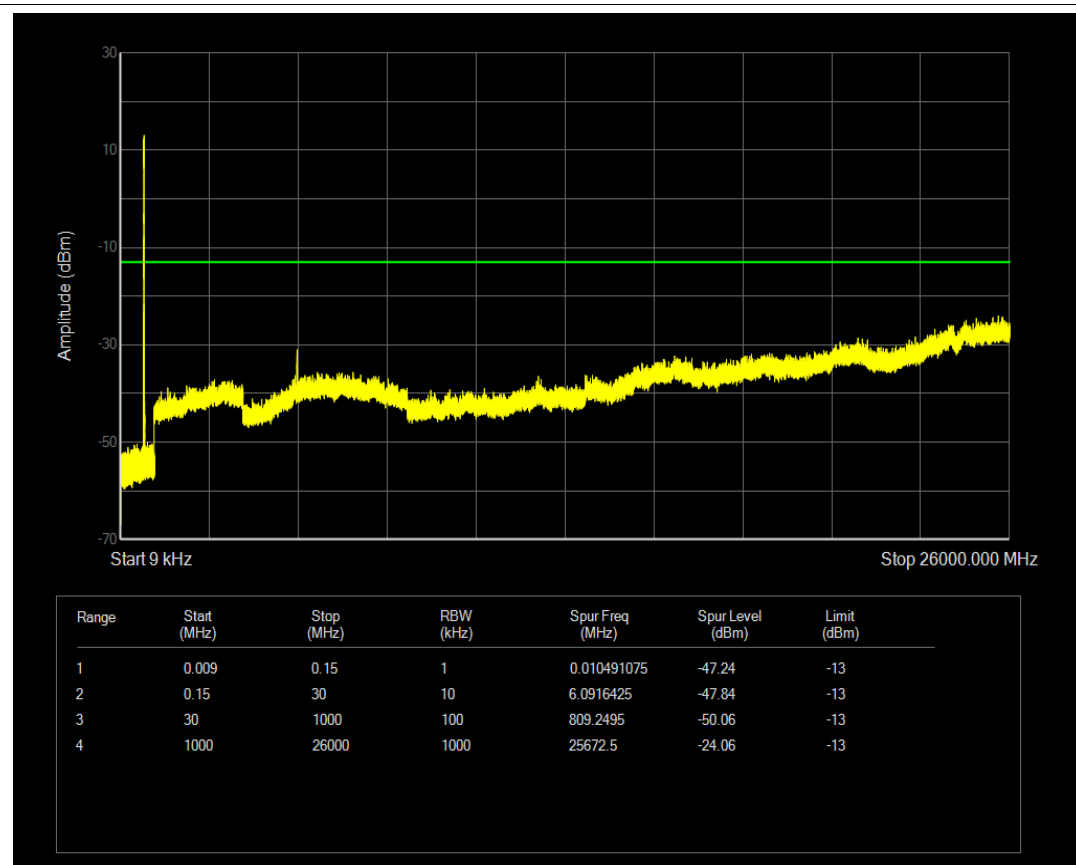


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009137475	-45.16	-13
2	0.15	30	10	6.0826875	-48.87	-13
3	30	1000	100	891.0205	-49.89	-13
4	1000	26000	1000	25850.625	-23.74	-13

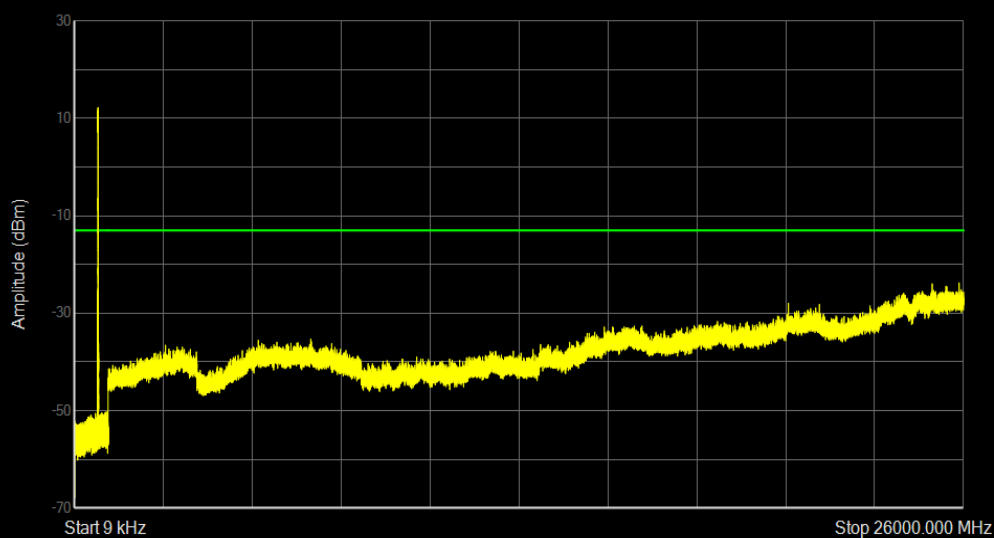
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



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

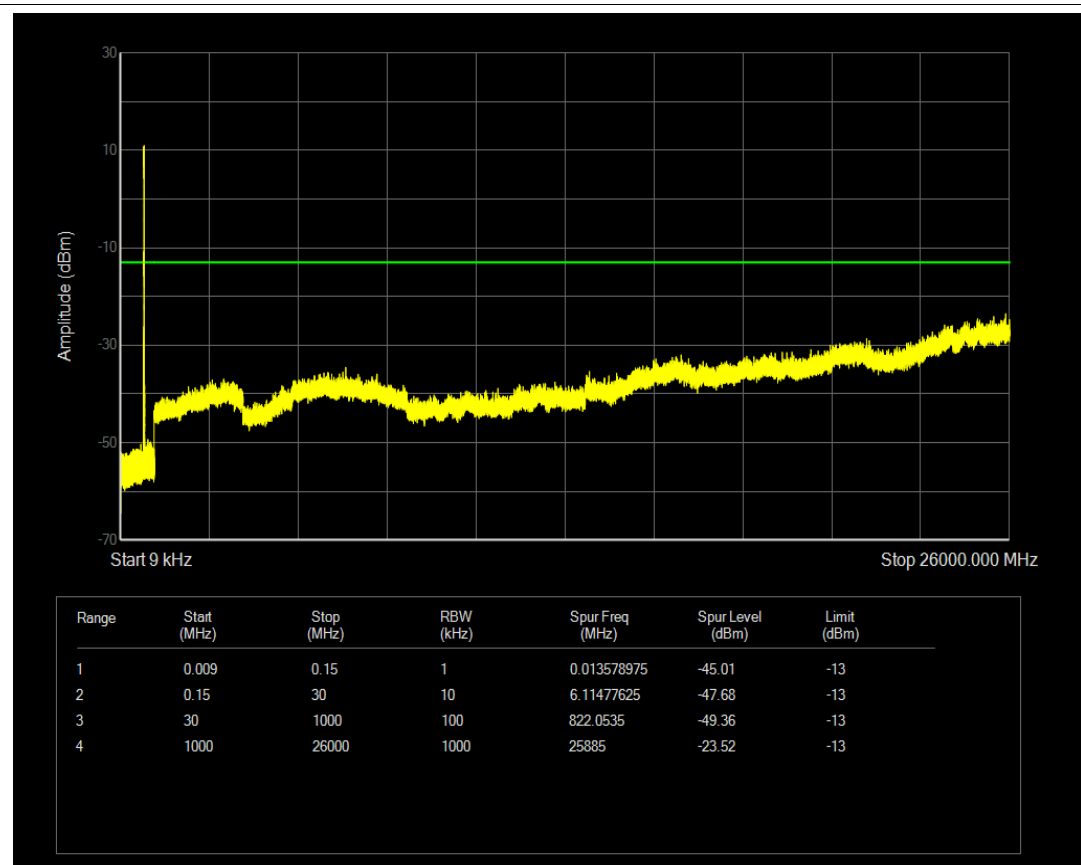


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

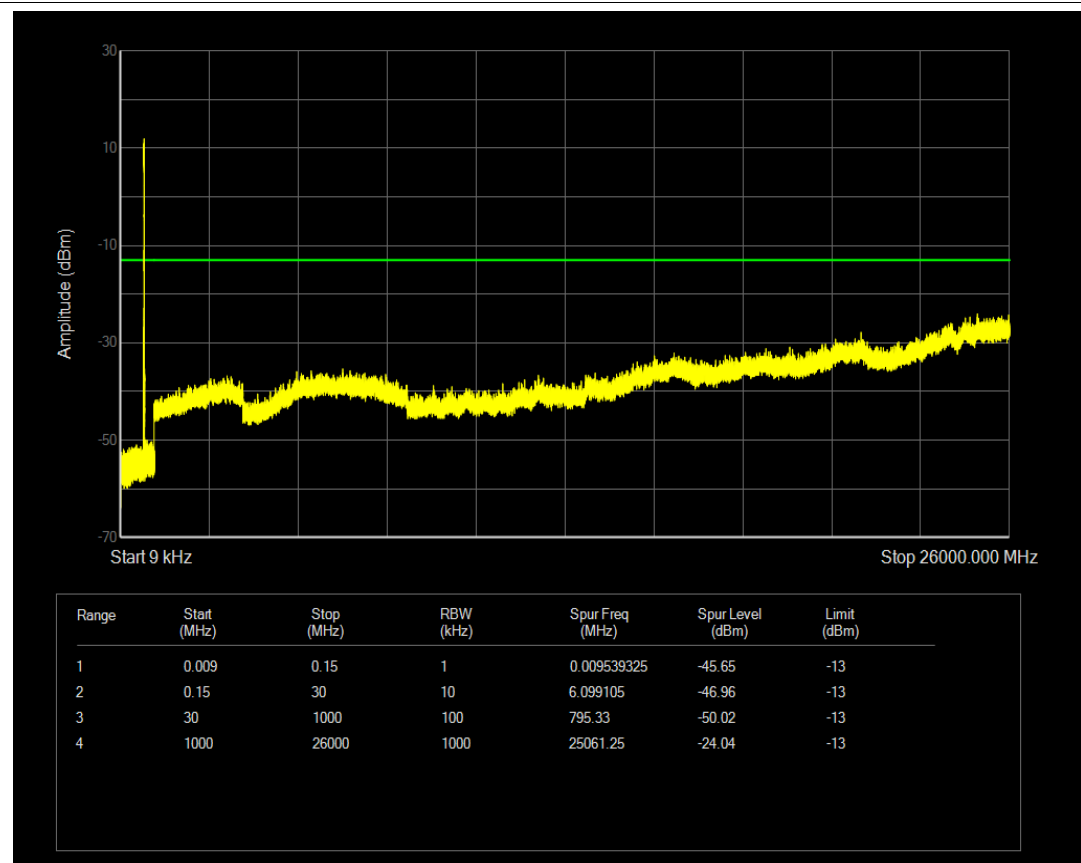


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00990945	-45.64	-13
2	0.15	30	10	6.4976025	-48.7	-13
3	30	1000	100	979.9695	-50.2	-13
4	1000	26000	1000	25868.75	-23.77	-13

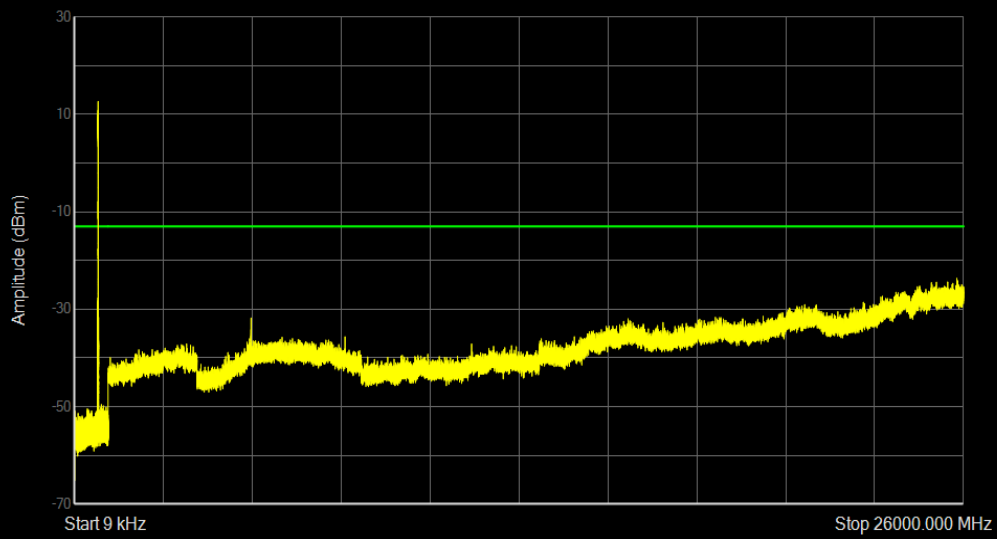
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT



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	0.1145808	-46.3	-13
2	0.15	30	10	6.0856725	-47.82	-13
3	30	1000	100	803.866	-49.57	-13
4	1000	26000	1000	25801.875	-23.66	-13

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