

Appendix for Band 12

Report No.: BCTC2506476417-5E

Applicant: Shanghai TUGE Data Technologies Co., Ltd.

Product Name: Smart Car Holder with Charging & WiFi

Test Model: TC10

Tested Date: 2025-06-24 to 2025-07-30

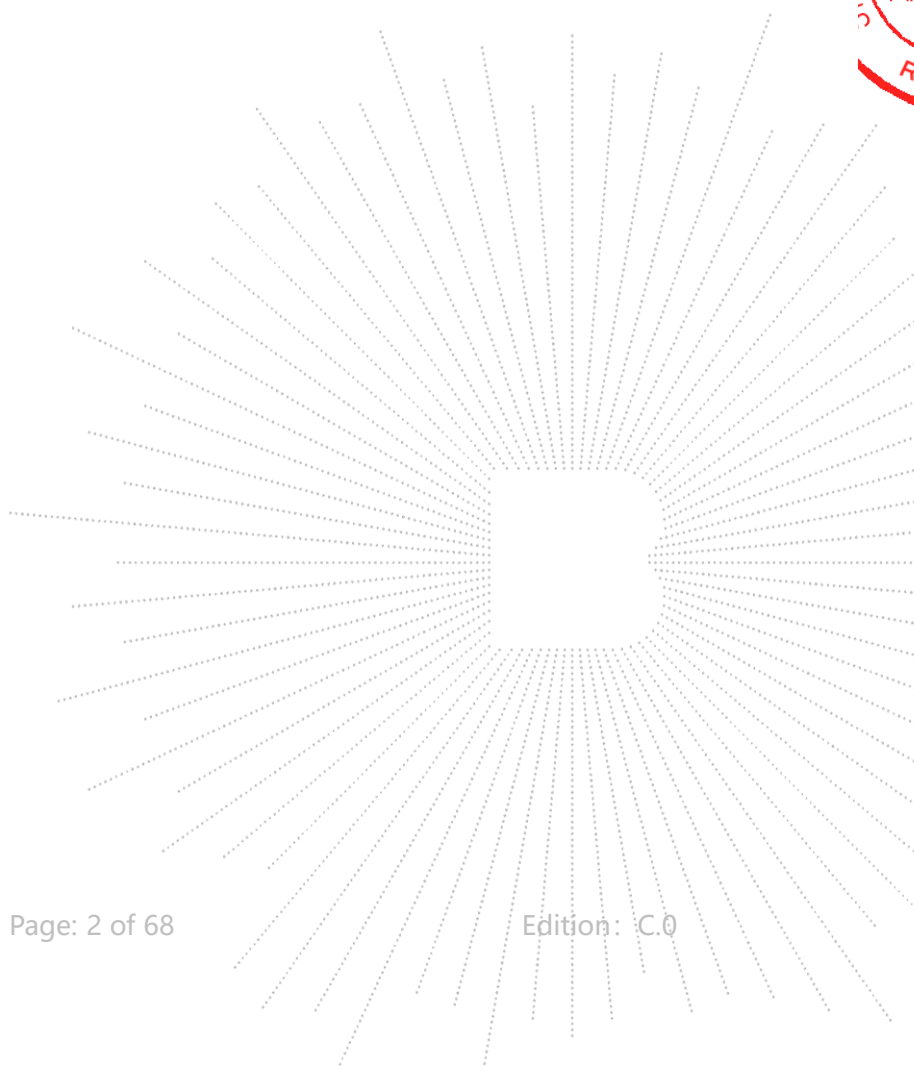
Issued Date: 2025-09-03

Shenzhen BCTC Testing Co., Ltd.



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Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	22.51	PASS
Band12	1.4	23017	1	#Mid	QPSK	22.53	PASS
Band12	1.4	23017	1	#Max	QPSK	22.60	PASS
Band12	1.4	23017	3	#0	QPSK	22.25	PASS
Band12	1.4	23017	3	#Mid	QPSK	22.36	PASS
Band12	1.4	23017	3	#Max	QPSK	22.30	PASS
Band12	1.4	23017	6	#0	QPSK	21.54	PASS
Band12	1.4	23017	1	#0	16QAM	22.47	PASS
Band12	1.4	23017	1	#Mid	16QAM	22.53	PASS
Band12	1.4	23017	1	#Max	16QAM	22.52	PASS
Band12	1.4	23017	3	#0	16QAM	21.62	PASS
Band12	1.4	23017	3	#Mid	16QAM	21.58	PASS
Band12	1.4	23017	3	#Max	16QAM	21.58	PASS
Band12	1.4	23017	6	#0	16QAM	20.37	PASS
Band12	1.4	23095	1	#0	QPSK	22.31	PASS
Band12	1.4	23095	1	#Mid	QPSK	22.29	PASS
Band12	1.4	23095	1	#Max	QPSK	22.35	PASS
Band12	1.4	23095	3	#0	QPSK	22.38	PASS
Band12	1.4	23095	3	#Mid	QPSK	22.43	PASS
Band12	1.4	23095	3	#Max	QPSK	22.30	PASS
Band12	1.4	23095	6	#0	QPSK	21.46	PASS
Band12	1.4	23095	1	#0	16QAM	21.88	PASS
Band12	1.4	23095	1	#Mid	16QAM	22.05	PASS
Band12	1.4	23095	1	#Max	16QAM	22.03	PASS
Band12	1.4	23095	3	#0	16QAM	21.54	PASS
Band12	1.4	23095	3	#Mid	16QAM	21.46	PASS
Band12	1.4	23095	3	#Max	16QAM	21.45	PASS
Band12	1.4	23095	6	#0	16QAM	20.55	PASS
Band12	1.4	23173	1	#0	QPSK	22.41	PASS
Band12	1.4	23173	1	#Mid	QPSK	22.47	PASS
Band12	1.4	23173	1	#Max	QPSK	22.48	PASS
Band12	1.4	23173	3	#0	QPSK	22.36	PASS
Band12	1.4	23173	3	#Mid	QPSK	22.38	PASS
Band12	1.4	23173	3	#Max	QPSK	22.43	PASS
Band12	1.4	23173	6	#0	QPSK	21.52	PASS
Band12	1.4	23173	1	#0	16QAM	22.35	PASS
Band12	1.4	23173	1	#Mid	16QAM	22.46	PASS
Band12	1.4	23173	1	#Max	16QAM	22.47	PASS
Band12	1.4	23173	3	#0	16QAM	21.74	PASS
Band12	1.4	23173	3	#Mid	16QAM	21.79	PASS

Band12	1.4	23173	3	#Max	16QAM	21.81	PASS
Band12	1.4	23173	6	#0	16QAM	20.61	PASS
Band12	3	23025	1	#0	QPSK	22.28	PASS
Band12	3	23025	1	#Mid	QPSK	22.33	PASS
Band12	3	23025	1	#Max	QPSK	22.38	PASS
Band12	3	23025	8	#0	QPSK	21.34	PASS
Band12	3	23025	8	#Mid	QPSK	21.50	PASS
Band12	3	23025	8	#Max	QPSK	21.58	PASS
Band12	3	23025	15	#0	QPSK	21.46	PASS
Band12	3	23025	1	#0	16QAM	22.50	PASS
Band12	3	23025	1	#Mid	16QAM	22.41	PASS
Band12	3	23025	1	#Max	16QAM	22.24	PASS
Band12	3	23025	8	#0	16QAM	20.41	PASS
Band12	3	23025	8	#Mid	16QAM	20.26	PASS
Band12	3	23025	8	#Max	16QAM	20.18	PASS
Band12	3	23025	15	#0	16QAM	20.44	PASS
Band12	3	23095	1	#0	QPSK	22.35	PASS
Band12	3	23095	1	#Mid	QPSK	22.29	PASS
Band12	3	23095	1	#Max	QPSK	22.23	PASS
Band12	3	23095	8	#0	QPSK	21.47	PASS
Band12	3	23095	8	#Mid	QPSK	21.48	PASS
Band12	3	23095	8	#Max	QPSK	21.37	PASS
Band12	3	23095	15	#0	QPSK	21.42	PASS
Band12	3	23095	1	#0	16QAM	21.84	PASS
Band12	3	23095	1	#Mid	16QAM	22.02	PASS
Band12	3	23095	1	#Max	16QAM	22.01	PASS
Band12	3	23095	8	#0	16QAM	20.45	PASS
Band12	3	23095	8	#Mid	16QAM	20.79	PASS
Band12	3	23095	8	#Max	16QAM	20.81	PASS
Band12	3	23095	15	#0	16QAM	20.70	PASS
Band12	3	23165	1	#0	QPSK	22.45	PASS
Band12	3	23165	1	#Mid	QPSK	22.51	PASS
Band12	3	23165	1	#Max	QPSK	22.54	PASS
Band12	3	23165	8	#0	QPSK	21.35	PASS
Band12	3	23165	8	#Mid	QPSK	21.36	PASS
Band12	3	23165	8	#Max	QPSK	21.37	PASS
Band12	3	23165	15	#0	QPSK	21.32	PASS
Band12	3	23165	1	#0	16QAM	22.43	PASS
Band12	3	23165	1	#Mid	16QAM	22.34	PASS
Band12	3	23165	1	#Max	16QAM	22.52	PASS
Band12	3	23165	8	#0	16QAM	20.57	PASS
Band12	3	23165	8	#Mid	16QAM	20.59	PASS
Band12	3	23165	8	#Max	16QAM	20.27	PASS
Band12	3	23165	15	#0	16QAM	20.61	PASS

Band12	5	23035	1	#0	QPSK	22.17	PASS
Band12	5	23035	1	#Mid	QPSK	22.14	PASS
Band12	5	23035	1	#Max	QPSK	22.26	PASS
Band12	5	23035	12	#0	QPSK	21.36	PASS
Band12	5	23035	12	#Mid	QPSK	21.26	PASS
Band12	5	23035	12	#Max	QPSK	21.27	PASS
Band12	5	23035	25	#0	QPSK	21.33	PASS
Band12	5	23035	1	#0	16QAM	21.55	PASS
Band12	5	23035	1	#Mid	16QAM	21.50	PASS
Band12	5	23035	1	#Max	16QAM	21.74	PASS
Band12	5	23035	12	#0	16QAM	20.21	PASS
Band12	5	23035	12	#Mid	16QAM	20.12	PASS
Band12	5	23035	12	#Max	16QAM	20.12	PASS
Band12	5	23035	25	#0	16QAM	20.32	PASS
Band12	5	23095	1	#0	QPSK	22.34	PASS
Band12	5	23095	1	#Mid	QPSK	22.17	PASS
Band12	5	23095	1	#Max	QPSK	22.21	PASS
Band12	5	23095	12	#0	QPSK	21.41	PASS
Band12	5	23095	12	#Mid	QPSK	21.50	PASS
Band12	5	23095	12	#Max	QPSK	21.34	PASS
Band12	5	23095	25	#0	QPSK	21.39	PASS
Band12	5	23095	1	#0	16QAM	20.91	PASS
Band12	5	23095	1	#Mid	16QAM	21.09	PASS
Band12	5	23095	1	#Max	16QAM	21.06	PASS
Band12	5	23095	12	#0	16QAM	20.12	PASS
Band12	5	23095	12	#Mid	16QAM	20.55	PASS
Band12	5	23095	12	#Max	16QAM	20.50	PASS
Band12	5	23095	25	#0	16QAM	20.69	PASS
Band12	5	23155	1	#0	QPSK	22.25	PASS
Band12	5	23155	1	#Mid	QPSK	22.31	PASS
Band12	5	23155	1	#Max	QPSK	22.31	PASS
Band12	5	23155	12	#0	QPSK	21.29	PASS
Band12	5	23155	12	#Mid	QPSK	21.25	PASS
Band12	5	23155	12	#Max	QPSK	21.30	PASS
Band12	5	23155	25	#0	QPSK	21.41	PASS
Band12	5	23155	1	#0	16QAM	21.34	PASS
Band12	5	23155	1	#Mid	16QAM	21.35	PASS
Band12	5	23155	1	#Max	16QAM	21.49	PASS
Band12	5	23155	12	#0	16QAM	20.31	PASS
Band12	5	23155	12	#Mid	16QAM	20.60	PASS
Band12	5	23155	12	#Max	16QAM	20.56	PASS
Band12	5	23155	25	#0	16QAM	20.56	PASS
Band12	10	23060	1	#0	QPSK	22.30	PASS
Band12	10	23060	1	#Mid	QPSK	22.31	PASS

Band12	10	23060	1	#Max	QPSK	22.26	PASS
Band12	10	23060	25	#0	QPSK	21.31	PASS
Band12	10	23060	25	#Mid	QPSK	21.56	PASS
Band12	10	23060	25	#Max	QPSK	21.31	PASS
Band12	10	23060	50	#0	QPSK	21.65	PASS
Band12	10	23060	1	#0	16QAM	22.49	PASS
Band12	10	23060	1	#Mid	16QAM	22.69	PASS
Band12	10	23060	1	#Max	16QAM	22.51	PASS
Band12	10	23060	25	#0	16QAM	20.13	PASS
Band12	10	23060	25	#Mid	16QAM	20.45	PASS
Band12	10	23060	25	#Max	16QAM	20.15	PASS
Band12	10	23060	50	#0	16QAM	20.55	PASS
Band12	10	23095	1	#0	QPSK	22.29	PASS
Band12	10	23095	1	#Mid	QPSK	22.30	PASS
Band12	10	23095	1	#Max	QPSK	22.29	PASS
Band12	10	23095	25	#0	QPSK	21.54	PASS
Band12	10	23095	25	#Mid	QPSK	21.44	PASS
Band12	10	23095	25	#Max	QPSK	21.43	PASS
Band12	10	23095	50	#0	QPSK	21.41	PASS
Band12	10	23095	1	#0	16QAM	21.37	PASS
Band12	10	23095	1	#Mid	16QAM	21.56	PASS
Band12	10	23095	1	#Max	16QAM	21.39	PASS
Band12	10	23095	25	#0	16QAM	20.32	PASS
Band12	10	23095	25	#Mid	16QAM	20.63	PASS
Band12	10	23095	25	#Max	16QAM	20.41	PASS
Band12	10	23095	50	#0	16QAM	20.67	PASS
Band12	10	23130	1	#0	QPSK	22.53	PASS
Band12	10	23130	1	#Mid	QPSK	22.50	PASS
Band12	10	23130	1	#Max	QPSK	22.58	PASS
Band12	10	23130	25	#0	QPSK	21.41	PASS
Band12	10	23130	25	#Mid	QPSK	21.38	PASS
Band12	10	23130	25	#Max	QPSK	21.42	PASS
Band12	10	23130	50	#0	QPSK	21.38	PASS
Band12	10	23130	1	#0	16QAM	21.31	PASS
Band12	10	23130	1	#Mid	16QAM	21.32	PASS
Band12	10	23130	1	#Max	16QAM	21.47	PASS
Band12	10	23130	25	#0	16QAM	20.58	PASS
Band12	10	23130	25	#Mid	16QAM	20.36	PASS
Band12	10	23130	25	#Max	16QAM	20.69	PASS
Band12	10	23130	50	#0	16QAM	20.38	PASS

Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band 12	1.4	23017	6	#0	QPSK	LV	NT	-1.44	-0.002	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	NT	-3.52	-0.005	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	HV	NT	-3.91	-0.006	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	LV	NT	-3.81	-0.005	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	NT	-4.35	-0.006	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	HV	NT	-3.69	-0.005	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	QPSK	LV	NT	2.62	0.004	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	QPSK	NV	NT	2.17	0.003	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	QPSK	HV	NT	1.43	0.002	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	16QAM	LV	NT	2.06	0.003	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	16QAM	NV	NT	2.20	0.003	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	16QAM	HV	NT	1.92	0.003	-2.5	2.5	PASS
Band 12	1.4	23173	6	#0	QPSK	LV	NT	4.79	0.007	-2.5	2.5	PASS
Band 12	1.4	23173	6	#0	QPSK	NV	NT	3.71	0.005	-2.5	2.5	PASS
Band 12	1.4	23173	6	#0	QPSK	HV	NT	3.12	0.004	-2.5	2.5	PASS
Band 12	1.4	23173	6	#0	16QAM	LV	NT	3.71	0.005	-2.5	2.5	PASS
Band 12	1.4	23173	6	#0	16QAM	NV	NT	4.15	0.006	-2.5	2.5	PASS
Band 12	1.4	23173	6	#0	16QAM	HV	NT	4.49	0.006	-2.5	2.5	PASS



Band 12	3	23025	15	#0	QPSK	LV	NT	-2.86	-0.004	-2.5	2.5	PASS
Band 12	3	23025	15	#0	QPSK	NV	NT	-5.29	-0.008	-2.5	2.5	PASS
Band 12	3	23025	15	#0	QPSK	HV	NT	-5.56	-0.008	-2.5	2.5	PASS
Band 12	3	23025	15	#0	16QAM	LV	NT	-5.12	-0.007	-2.5	2.5	PASS
Band 12	3	23025	15	#0	16QAM	NV	NT	-4.66	-0.007	-2.5	2.5	PASS
Band 12	3	23025	15	#0	16QAM	HV	NT	-4.73	-0.007	-2.5	2.5	PASS
Band 12	3	23095	15	#0	QPSK	LV	NT	-1.90	-0.003	-2.5	2.5	PASS
Band 12	3	23095	15	#0	QPSK	NV	NT	-2.96	-0.004	-2.5	2.5	PASS
Band 12	3	23095	15	#0	QPSK	HV	NT	-3.81	-0.005	-2.5	2.5	PASS
Band 12	3	23095	15	#0	16QAM	LV	NT	-3.78	-0.005	-2.5	2.5	PASS
Band 12	3	23095	15	#0	16QAM	NV	NT	-3.26	-0.005	-2.5	2.5	PASS
Band 12	3	23095	15	#0	16QAM	HV	NT	-2.78	-0.004	-2.5	2.5	PASS
Band 12	3	23165	15	#0	QPSK	LV	NT	5.34	0.007	-2.5	2.5	PASS
Band 12	3	23165	15	#0	QPSK	NV	NT	4.29	0.006	-2.5	2.5	PASS
Band 12	3	23165	15	#0	QPSK	HV	NT	3.82	0.005	-2.5	2.5	PASS
Band 12	3	23165	15	#0	16QAM	LV	NT	3.88	0.005	-2.5	2.5	PASS
Band 12	3	23165	15	#0	16QAM	NV	NT	3.78	0.005	-2.5	2.5	PASS
Band 12	3	23165	15	#0	16QAM	HV	NT	4.86	0.007	-2.5	2.5	PASS
Band 12	5	23035	25	#0	QPSK	LV	NT	-14.15	-0.020	-2.5	2.5	PASS
Band 12	5	23035	25	#0	QPSK	NV	NT	-17.04	-0.024	-2.5	2.5	PASS
Band 12	5	23035	25	#0	QPSK	HV	NT	-16.55	-0.024	-2.5	2.5	PASS
Band 12	5	23035	25	#0	16QAM	LV	NT	-16.49	-0.024	-2.5	2.5	PASS



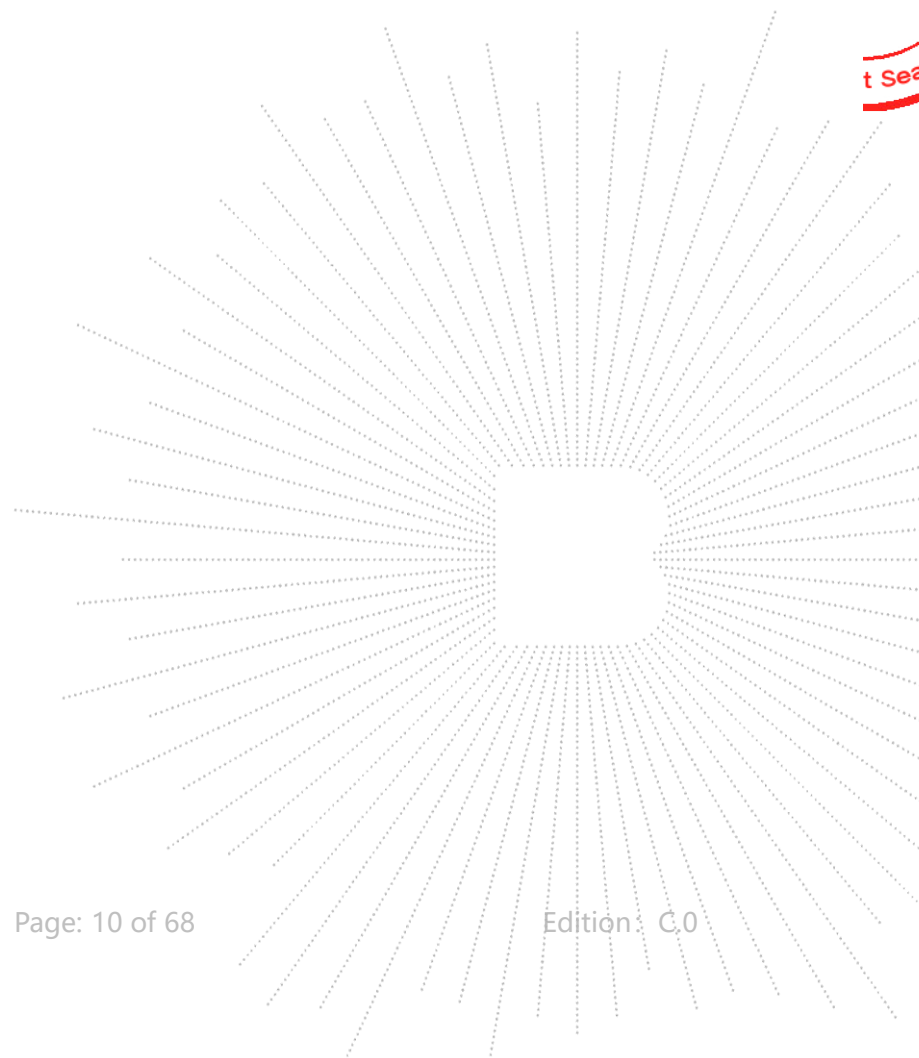


Band 12	5	23035	25	#0	16QAM	NV	NT	-17.07	-0.024	-2.5	2.5	PASS
Band 12	5	23035	25	#0	16QAM	HV	NT	-16.78	-0.024	-2.5	2.5	PASS
Band 12	5	23095	25	#0	QPSK	LV	NT	-0.49	-0.001	-2.5	2.5	PASS
Band 12	5	23095	25	#0	QPSK	NV	NT	-2.29	-0.003	-2.5	2.5	PASS
Band 12	5	23095	25	#0	QPSK	HV	NT	-2.62	-0.004	-2.5	2.5	PASS
Band 12	5	23095	25	#0	16QAM	LV	NT	-2.69	-0.004	-2.5	2.5	PASS
Band 12	5	23095	25	#0	16QAM	NV	NT	-2.17	-0.003	-2.5	2.5	PASS
Band 12	5	23095	25	#0	16QAM	HV	NT	-1.56	-0.002	-2.5	2.5	PASS
Band 12	5	23155	25	#0	QPSK	LV	NT	8.70	0.012	-2.5	2.5	PASS
Band 12	5	23155	25	#0	QPSK	NV	NT	7.22	0.010	-2.5	2.5	PASS
Band 12	5	23155	25	#0	QPSK	HV	NT	6.77	0.009	-2.5	2.5	PASS
Band 12	5	23155	25	#0	16QAM	LV	NT	6.81	0.010	-2.5	2.5	PASS
Band 12	5	23155	25	#0	16QAM	NV	NT	7.14	0.010	-2.5	2.5	PASS
Band 12	5	23155	25	#0	16QAM	HV	NT	7.50	0.011	-2.5	2.5	PASS
Band 12	10	23060	50	#0	QPSK	LV	NT	-13.20	-0.019	-2.5	2.5	PASS
Band 12	10	23060	50	#0	QPSK	NV	NT	-15.31	-0.022	-2.5	2.5	PASS
Band 12	10	23060	50	#0	QPSK	HV	NT	-14.36	-0.020	-2.5	2.5	PASS
Band 12	10	23060	50	#0	16QAM	LV	NT	-13.69	-0.019	-2.5	2.5	PASS
Band 12	10	23060	50	#0	16QAM	NV	NT	-13.85	-0.020	-2.5	2.5	PASS
Band 12	10	23060	50	#0	16QAM	HV	NT	-14.36	-0.020	-2.5	2.5	PASS
Band 12	10	23095	50	#0	QPSK	LV	NT	-2.15	-0.003	-2.5	2.5	PASS
Band 12	10	23095	50	#0	QPSK	NV	NT	-3.79	-0.005	-2.5	2.5	PASS

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Band 12	10	23095	50	#0	QPSK	HV	NT	-3.6 0	-0.0 05	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	LV	NT	-3.2 9	-0.0 05	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	NT	-2.5 7	-0.0 04	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	HV	NT	-2.7 6	-0.0 04	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	LV	NT	2.25	0.00 3	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	NT	0.66	0.00 1	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	HV	NT	1.07	0.00 2	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	LV	NT	0.67	0.00 1	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	NT	1.77	0.00 2	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	HV	NT	2.06	0.00 3	-2.5	2.5	PAS S

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Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band 12	1.4	23017	6	#0	QPSK	NV	-30	14.15	0.020	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	-20	15.02	0.021	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	0	8.81	0.013	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	10	8.07	0.012	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	20	8.31	0.012	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	30	8.74	0.012	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	40	9.23	0.013	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	50	9.61	0.014	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	-30	8.43	0.012	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	-20	12.36	0.018	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	0	14.99	0.021	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	10	18.08	0.026	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	20	20.57	0.029	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	30	20.86	0.030	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	40	22.39	0.032	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	50	25.31	0.036	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	QPSK	NV	-30	30.06	0.042	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	QPSK	NV	-20	29.98	0.042	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	QPSK	NV	0	28.21	0.040	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	QPSK	NV	10	29.5	0.04	-2.5	2.5	PASS

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12								7	2			S
Band 12	1.4	23095	6	#0	QPSK	NV	20	28.4 1	0.04 0	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	QPSK	NV	30	30.3 3	0.04 3	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	QPSK	NV	40	29.2 3	0.04 1	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	QPSK	NV	50	27.7 7	0.03 9	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	-30	29.5 5	0.04 2	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	-20	28.5 5	0.04 0	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	0	32.9 3	0.04 7	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	10	33.7 2	0.04 8	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	20	34.4 6	0.04 9	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	30	37.1 9	0.05 3	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	40	37.5 2	0.05 3	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	50	38.3 1	0.05 4	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	-30	45.5 2	0.06 4	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	-20	42.7 2	0.06 0	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	0	46.1 3	0.06 4	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	10	41.7 1	0.05 8	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	20	41.4 0	0.05 8	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	30	41.6 1	0.05 8	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	40	38.2 4	0.05 3	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	50	38.4 8	0.05 4	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	16QAM	NV	-30	39.4 8	0.05 5	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	16QAM	NV	-20	40.3	0.05	-2.5	2.5	PAS



12								4	6			S
Band 12	1.4	23173	6	#0	16QAM	NV	0	40.9 7	0.05 7	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	16QAM	NV	10	46.2 8	0.06 5	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	16QAM	NV	20	46.5 6	0.06 5	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	16QAM	NV	30	-15. 39	-0.0 22	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	16QAM	NV	40	-12. 77	-0.0 18	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	16QAM	NV	50	-11.1 7	-0.0 16	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	QPSK	NV	-30	-3.0 8	-0.0 04	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	QPSK	NV	-20	-10. 50	-0.0 15	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	QPSK	NV	0	-12. 23	-0.0 17	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	QPSK	NV	10	-17. 67	-0.0 25	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	QPSK	NV	20	-19. 18	-0.0 27	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	QPSK	NV	30	-22. 30	-0.0 32	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	QPSK	NV	40	-19. 68	-0.0 28	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	QPSK	NV	50	-22. 09	-0.0 32	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	16QAM	NV	-30	-24. 45	-0.0 35	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	16QAM	NV	-20	-27. 98	-0.0 40	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	16QAM	NV	0	-26. 22	-0.0 37	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	16QAM	NV	10	-26. 46	-0.0 38	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	16QAM	NV	20	-27. 51	-0.0 39	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	16QAM	NV	30	-26. 38	-0.0 38	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	16QAM	NV	40	-31. 57	-0.0 45	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	16QAM	NV	50	-33. 57	-0.0 45	-2.5	2.5	PAS S



12								33	48			S
Band 12	3	23095	15	#0	QPSK	NV	-30	-30.46	-0.043	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	QPSK	NV	-20	-33.16	-0.047	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	QPSK	NV	0	-35.95	-0.051	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	QPSK	NV	10	-36.75	-0.052	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	QPSK	NV	20	-38.80	-0.055	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	QPSK	NV	30	-43.96	-0.062	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	QPSK	NV	40	-45.63	-0.064	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	QPSK	NV	50	-47.97	-0.068	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	16QAM	NV	-30	8.43	0.012	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	16QAM	NV	-20	6.09	0.009	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	16QAM	NV	0	6.71	0.009	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	16QAM	NV	10	5.85	0.008	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	16QAM	NV	20	4.39	0.006	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	16QAM	NV	30	3.56	0.005	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	16QAM	NV	40	5.81	0.008	-2.5	2.5	PAS S
Band 12	3	23095	15	#0	16QAM	NV	50	3.49	0.005	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	QPSK	NV	-30	5.12	0.007	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	QPSK	NV	-20	2.63	0.004	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	QPSK	NV	0	3.22	0.005	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	QPSK	NV	10	3.73	0.005	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	QPSK	NV	20	-2.60	-0.004	-2.5	2.5	PAS S
Band	3	23165	15	#0	QPSK	NV	30	-4.9	-0.0	-2.5	2.5	PAS





12								9	07			S
Band 12	3	23165	15	#0	QPSK	NV	40	-4.88	-0.07	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	QPSK	NV	50	-4.89	-0.07	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	-30	-10.10	-0.014	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	-20	-6.79	-0.010	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	0	-11.59	-0.016	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	10	-13.09	-0.018	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	20	-12.67	-0.018	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	30	-9.21	-0.013	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	40	-7.81	-0.011	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	50	-6.49	-0.009	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	-30	10.19	0.015	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	-20	-0.77	-0.001	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	0	-3.48	-0.005	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	10	-6.65	-0.009	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	20	-9.41	-0.013	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	30	-12.40	-0.018	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	40	-15.86	-0.023	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	50	-17.42	-0.025	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	NV	-30	-21.57	-0.031	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	NV	-20	-20.37	-0.029	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	NV	0	-20.01	-0.029	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	NV	10	-19.	-0.0	-2.5	2.5	PAS

12								57	28			S
Band 12	5	23035	25	#0	16QAM	NV	20	-19.14	-0.027	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	NV	30	-19.25	-0.027	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	NV	40	-20.51	-0.029	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	NV	50	-20.41	-0.029	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	-30	-15.92	-0.023	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	-20	-17.80	-0.025	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	0	-18.00	-0.025	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	10	-20.36	-0.029	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	20	-22.17	-0.031	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	30	-26.87	-0.038	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	40	-28.22	-0.040	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	50	-32.66	-0.046	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	-30	-36.52	-0.052	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	-20	-33.63	-0.048	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	0	-31.71	-0.045	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	10	-31.41	-0.044	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	20	-31.17	-0.044	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	30	-27.08	-0.038	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	40	-28.94	-0.041	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	50	-27.84	-0.039	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	-30	-30.53	-0.043	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	-20	-28.	-0.0	-2.5	2.5	PAS S



12								48	40			S
Band 12	5	23155	25	#0	QPSK	NV	0	-31.86	-0.045	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	10	-34.63	-0.049	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	20	-33.96	-0.048	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	30	-38.32	-0.054	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	40	-40.57	-0.057	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	50	-41.87	-0.059	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	-30	-43.36	-0.061	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	-20	-43.50	-0.061	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	0	-41.76	-0.059	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	10	-40.63	-0.057	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	20	-41.61	-0.058	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	30	-42.24	-0.059	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	40	-40.91	-0.057	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	50	-38.39	-0.054	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	-30	37.98	0.054	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	-20	24.49	0.035	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	0	25.18	0.036	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	10	28.50	0.040	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	20	26.45	0.038	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	30	26.02	0.037	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	40	24.60	0.035	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	50	19.3	0.02	-2.5	2.5	PAS S

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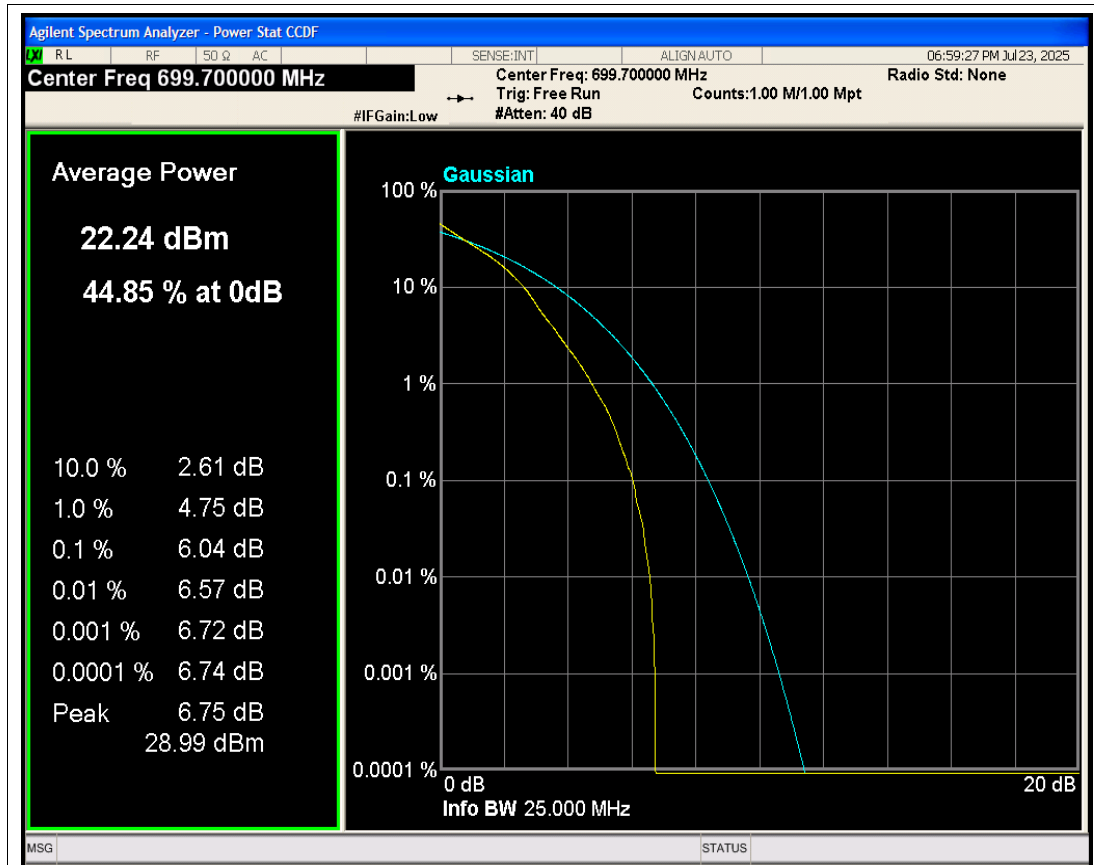
12								3	7			S
Band 12	10	23060	50	#0	16QAM	NV	-30	16.37	0.023	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	NV	-20	10.19	0.014	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	NV	0	13.26	0.019	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	NV	10	9.76	0.014	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	NV	20	9.18	0.013	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	NV	30	9.63	0.014	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	NV	40	8.60	0.012	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	NV	50	11.66	0.017	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	-30	10.53	0.015	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	-20	7.17	0.010	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	0	3.16	0.004	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	10	0.51	0.001	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	20	-3.12	-0.004	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	30	-6.47	-0.009	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	40	-9.88	-0.014	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	50	-14.75	-0.021	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	-30	-20.79	-0.029	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	-20	-23.07	-0.033	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	0	-25.06	-0.035	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	10	-24.96	-0.035	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	20	-23.65	-0.033	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	30	-19.	-0.0	-2.5	2.5	PAS S

12								64	28			S
Band 12	10	23095	50	#0	16QAM	NV	40	-20.21	-0.029	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	50	-21.76	-0.031	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	-30	-18.25	-0.026	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	-20	-22.69	-0.032	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	0	-22.39	-0.031	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	10	-25.06	-0.035	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	20	-27.51	-0.039	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	30	-30.23	-0.043	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	40	-36.75	-0.052	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	50	-40.67	-0.057	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	-30	-45.59	-0.064	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	-20	-44.29	-0.062	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	0	-44.90	-0.063	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	10	-45.49	-0.064	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	20	-40.91	-0.058	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	30	-39.64	-0.056	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	40	-40.33	-0.057	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	50	-36.05	-0.051	-2.5	2.5	PAS S

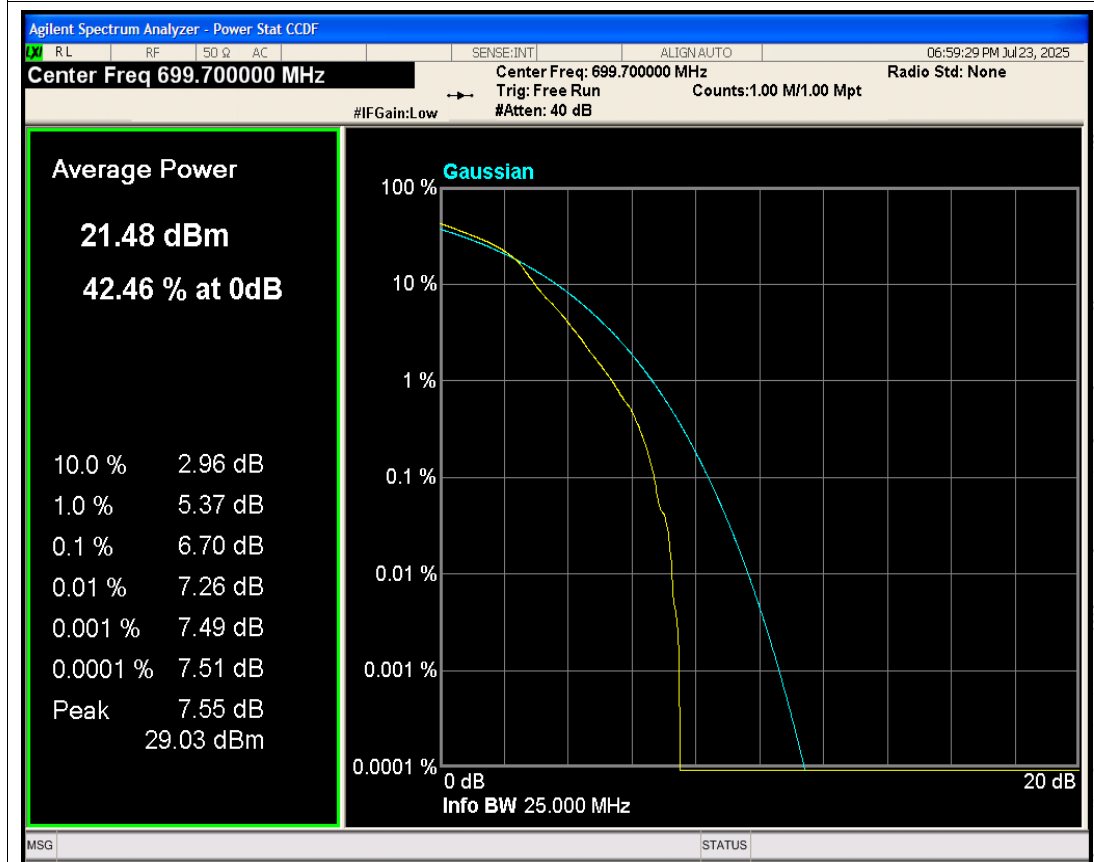
SHENZHEN

Appendix 3. Peak-to-Average Ratio

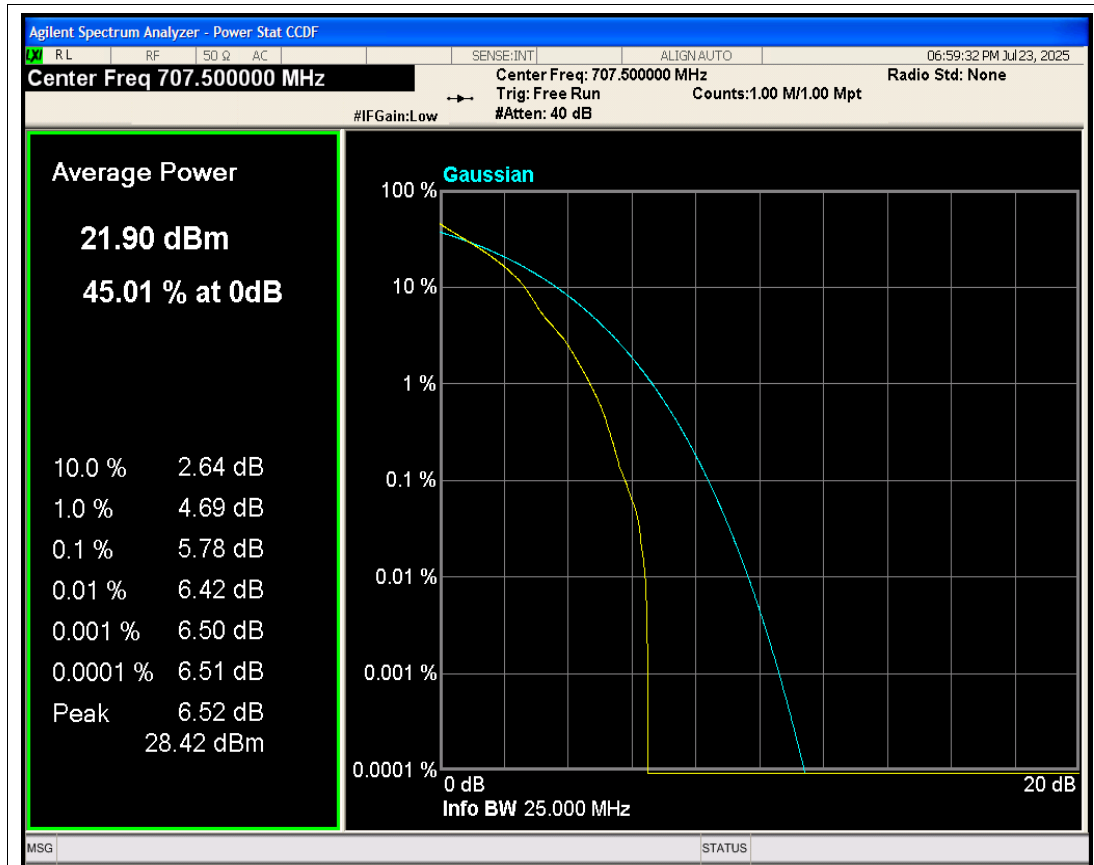
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	6.04	13	PASS
Band12	1.4	23017	1	#0	16QAM	6.70	13	PASS
Band12	1.4	23095	1	#0	QPSK	5.78	13	PASS
Band12	1.4	23095	1	#0	16QAM	6.78	13	PASS
Band12	1.4	23173	1	#0	QPSK	5.00	13	PASS
Band12	1.4	23173	1	#0	16QAM	5.97	13	PASS
Band12	3	23025	1	#0	QPSK	5.80	13	PASS
Band12	3	23025	1	#0	16QAM	6.92	13	PASS
Band12	3	23095	1	#0	QPSK	5.67	13	PASS
Band12	3	23095	1	#0	16QAM	6.42	13	PASS
Band12	3	23165	1	#0	QPSK	4.63	13	PASS
Band12	3	23165	1	#0	16QAM	5.69	13	PASS
Band12	5	23035	1	#0	QPSK	6.44	13	PASS
Band12	5	23035	1	#0	16QAM	6.68	13	PASS
Band12	5	23095	1	#0	QPSK	5.48	13	PASS
Band12	5	23095	1	#0	16QAM	6.09	13	PASS
Band12	5	23155	1	#0	QPSK	5.35	13	PASS
Band12	5	23155	1	#0	16QAM	6.12	13	PASS
Band12	10	23060	1	#0	QPSK	5.90	13	PASS
Band12	10	23060	1	#0	16QAM	6.74	13	PASS
Band12	10	23095	1	#0	QPSK	5.45	13	PASS
Band12	10	23095	1	#0	16QAM	6.38	13	PASS
Band12	10	23130	1	#0	QPSK	5.58	13	PASS
Band12	10	23130	1	#0	16QAM	6.27	13	PASS



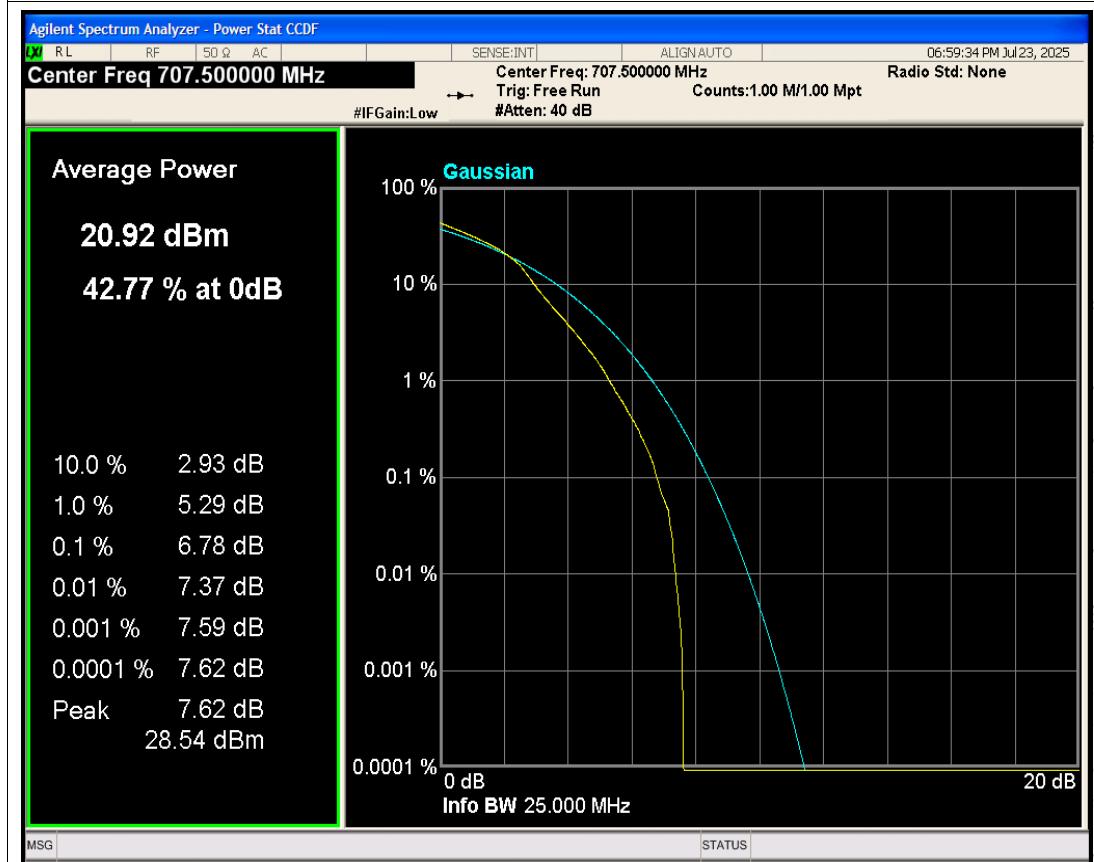
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0 NVNT



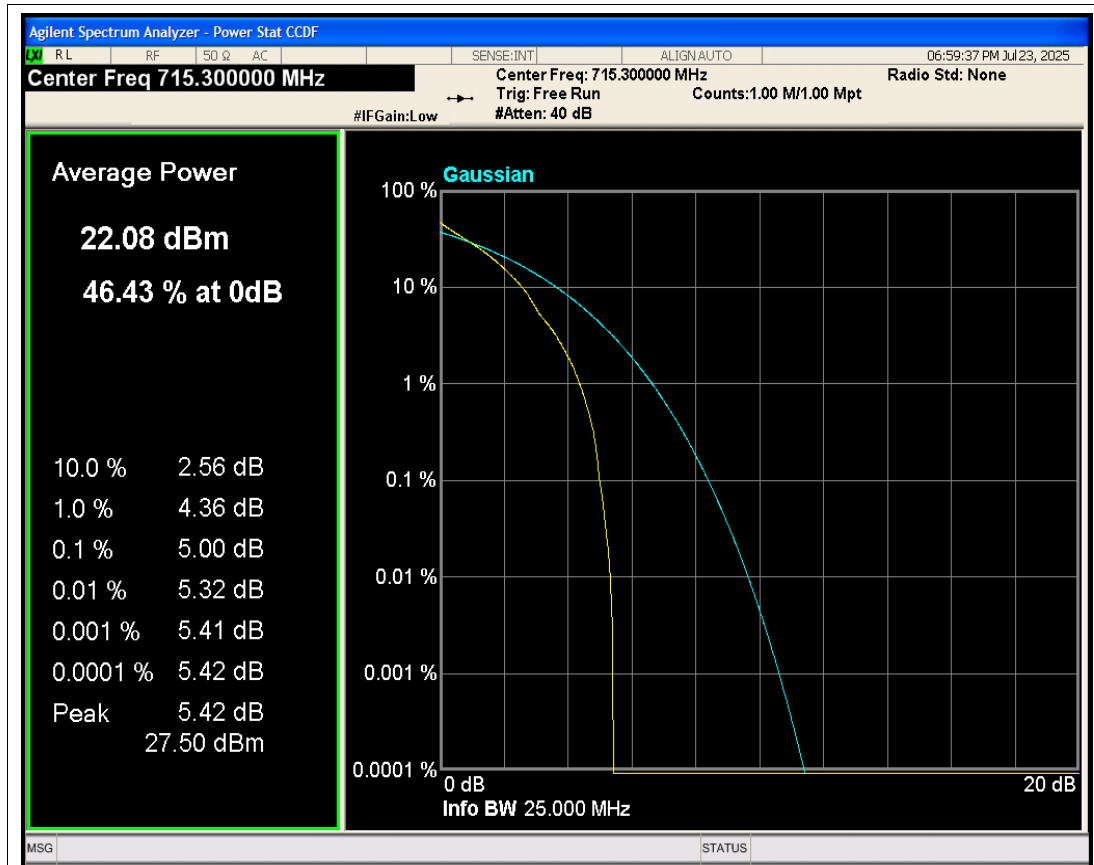
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0 NVNT



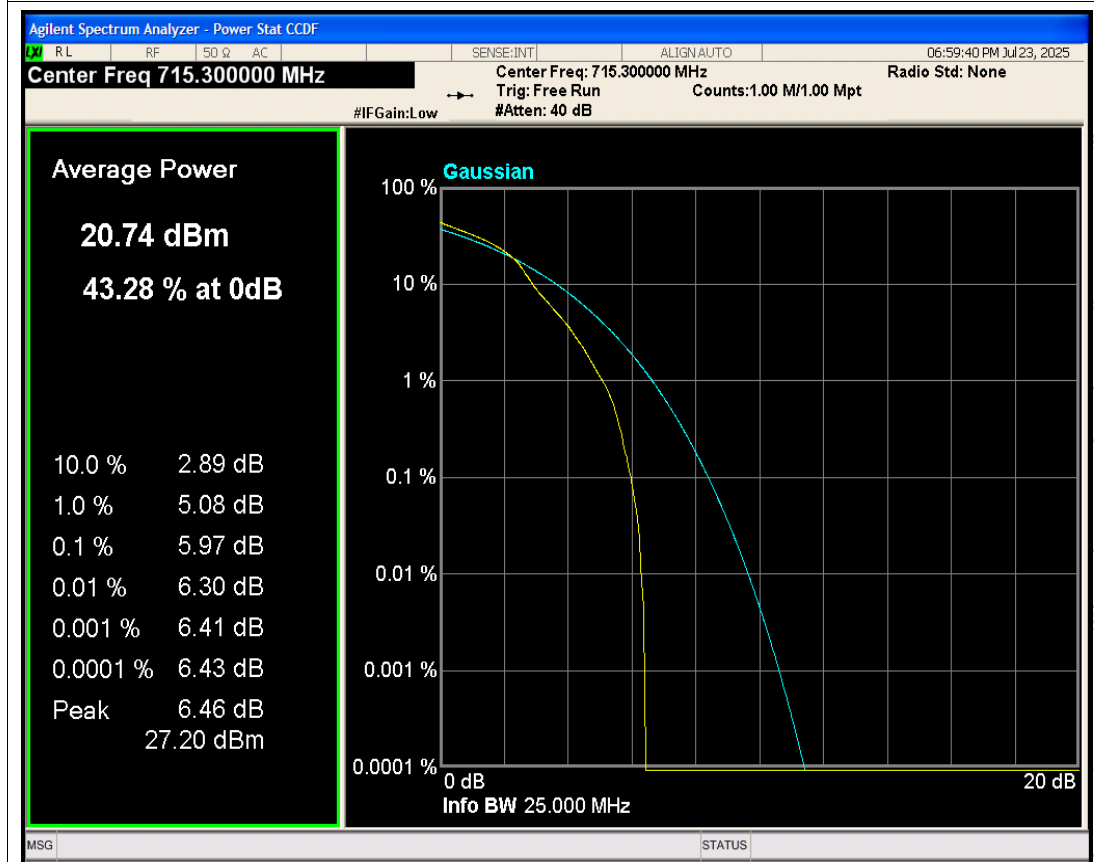
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0 NVNT



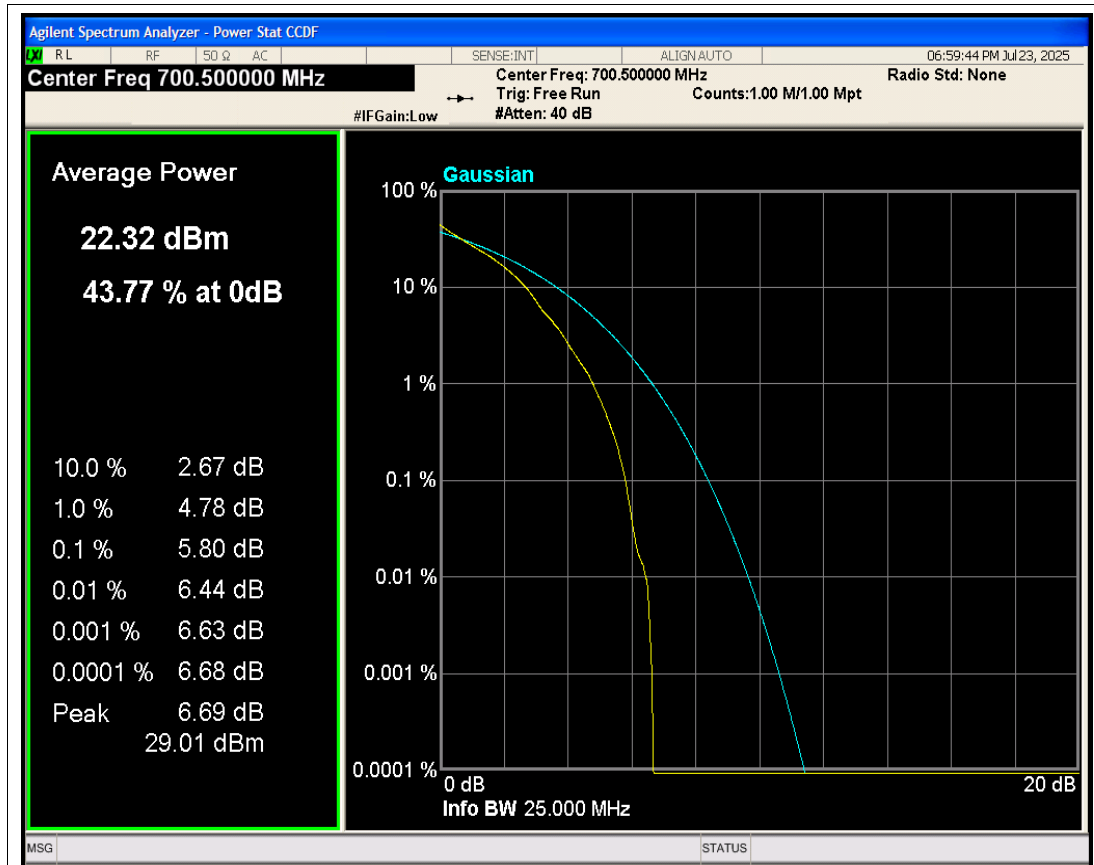
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0 NVNT



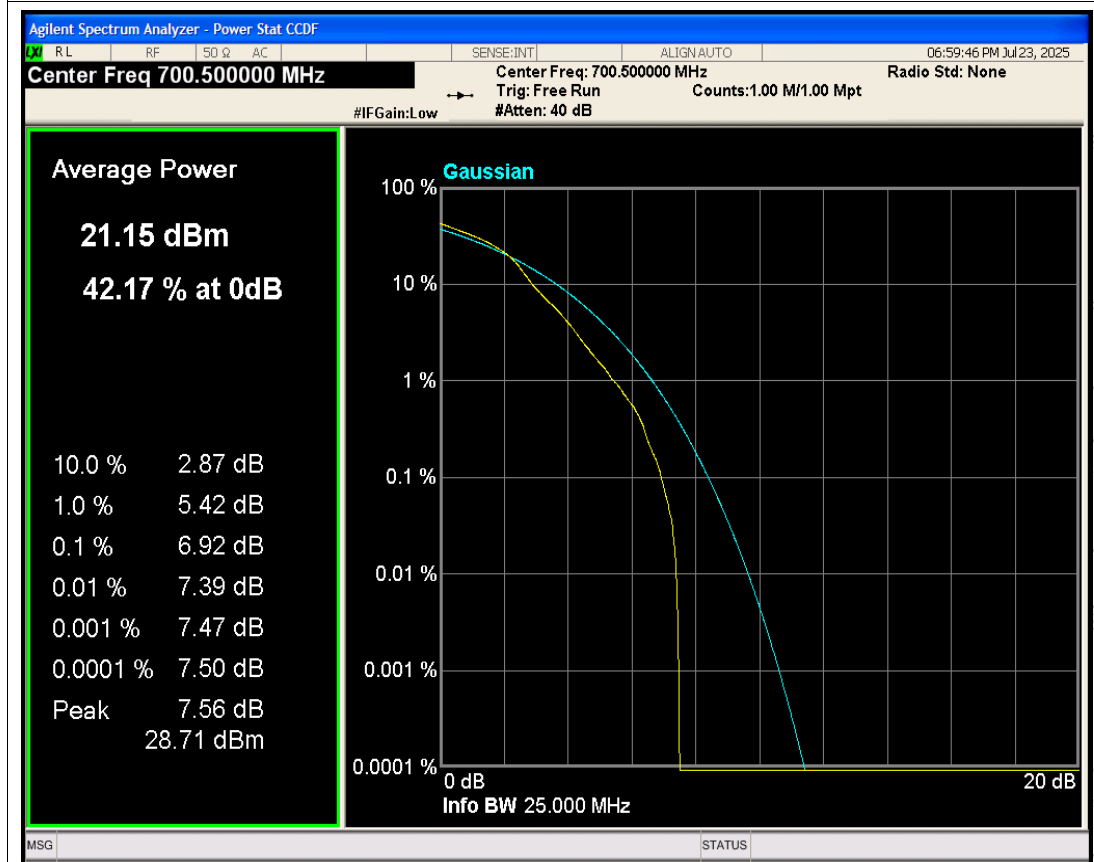
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0 NVNT



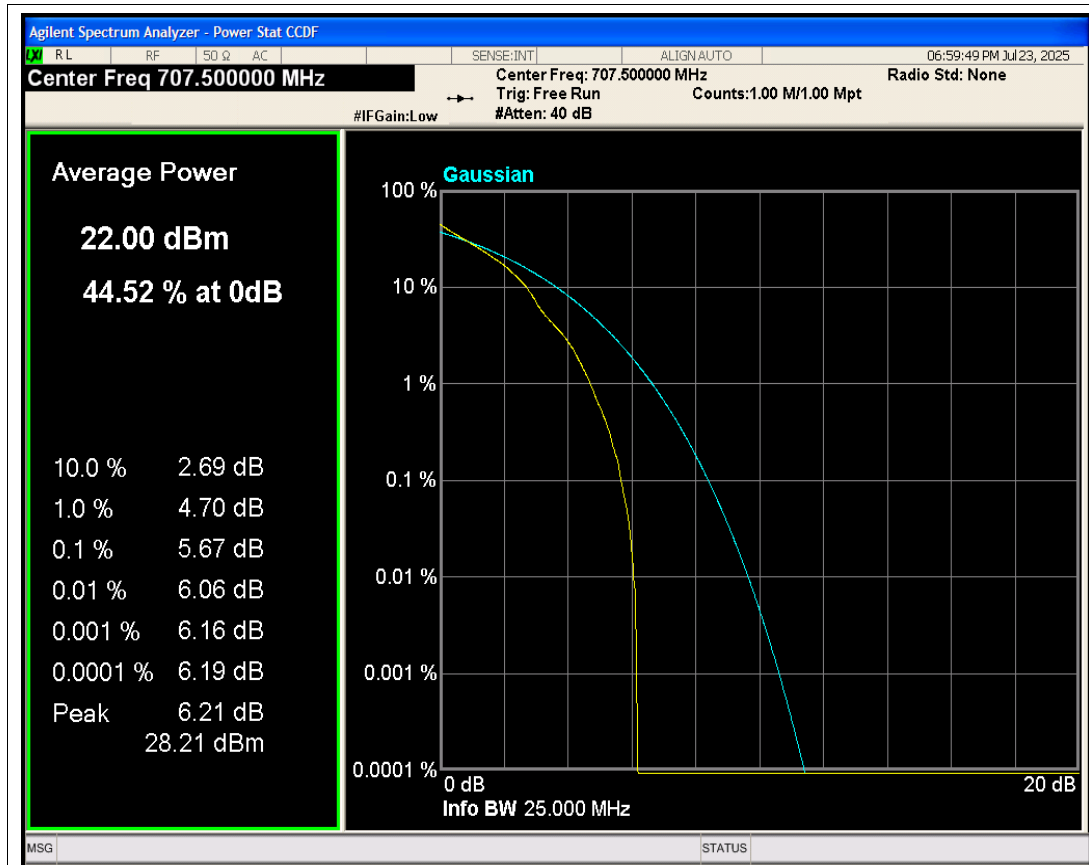
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0 NVNT



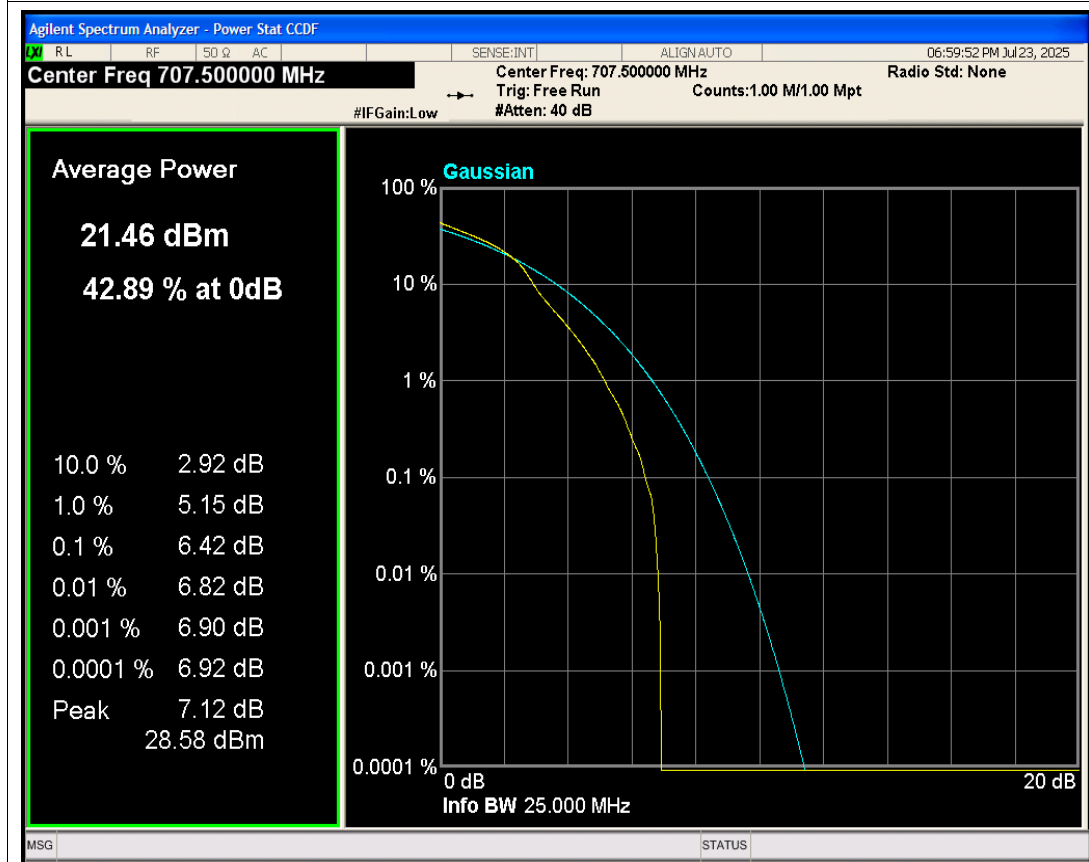
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0 NVNT



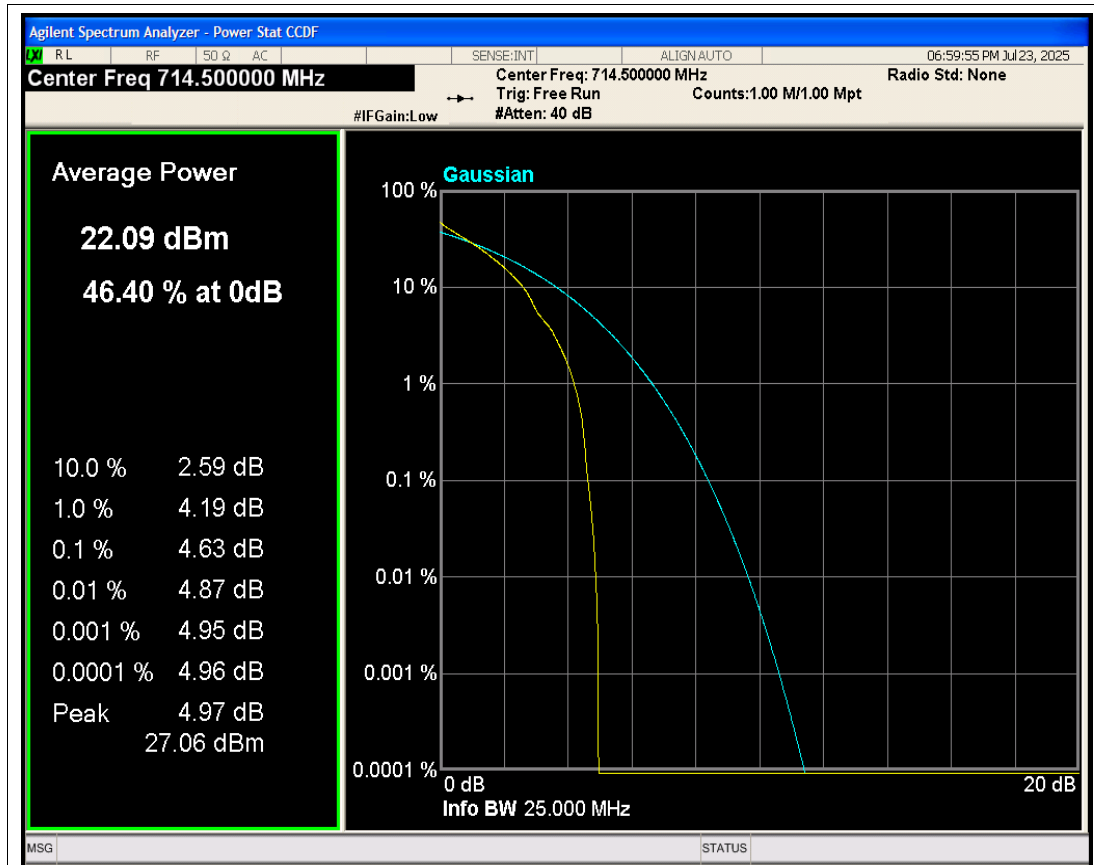
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0 NVNT



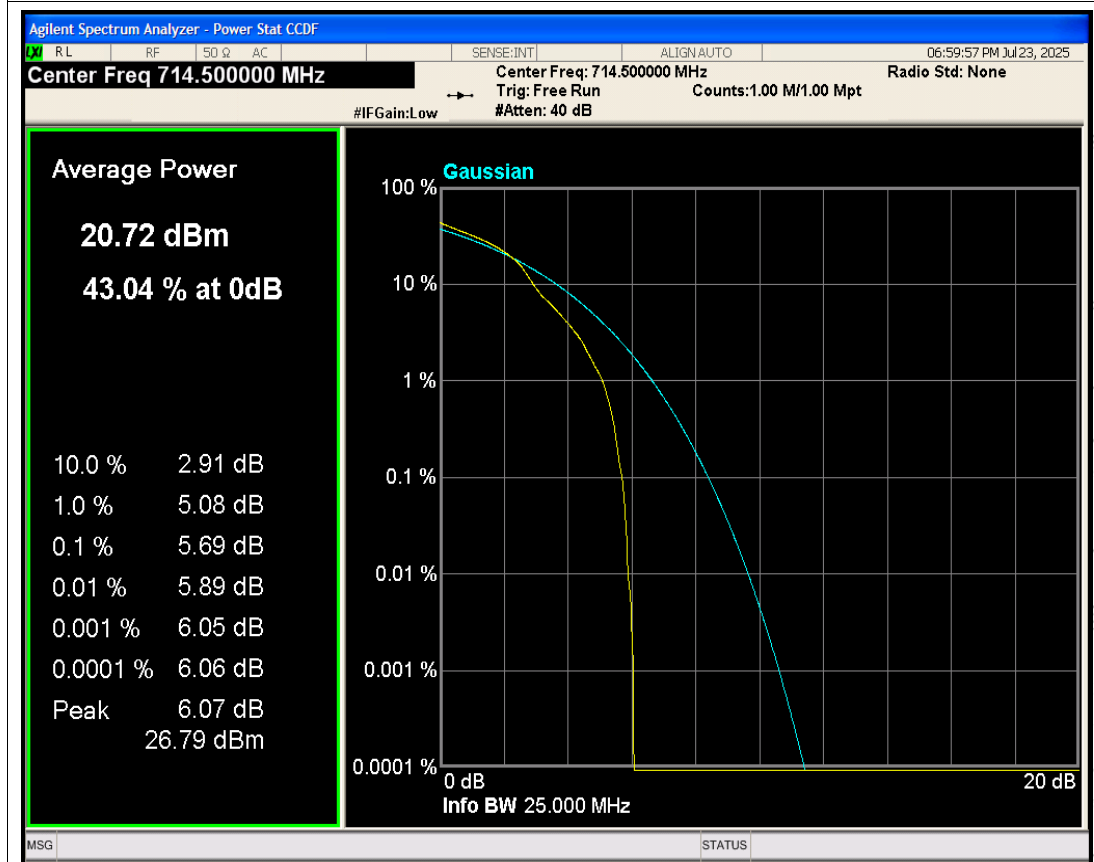
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0 NVNT



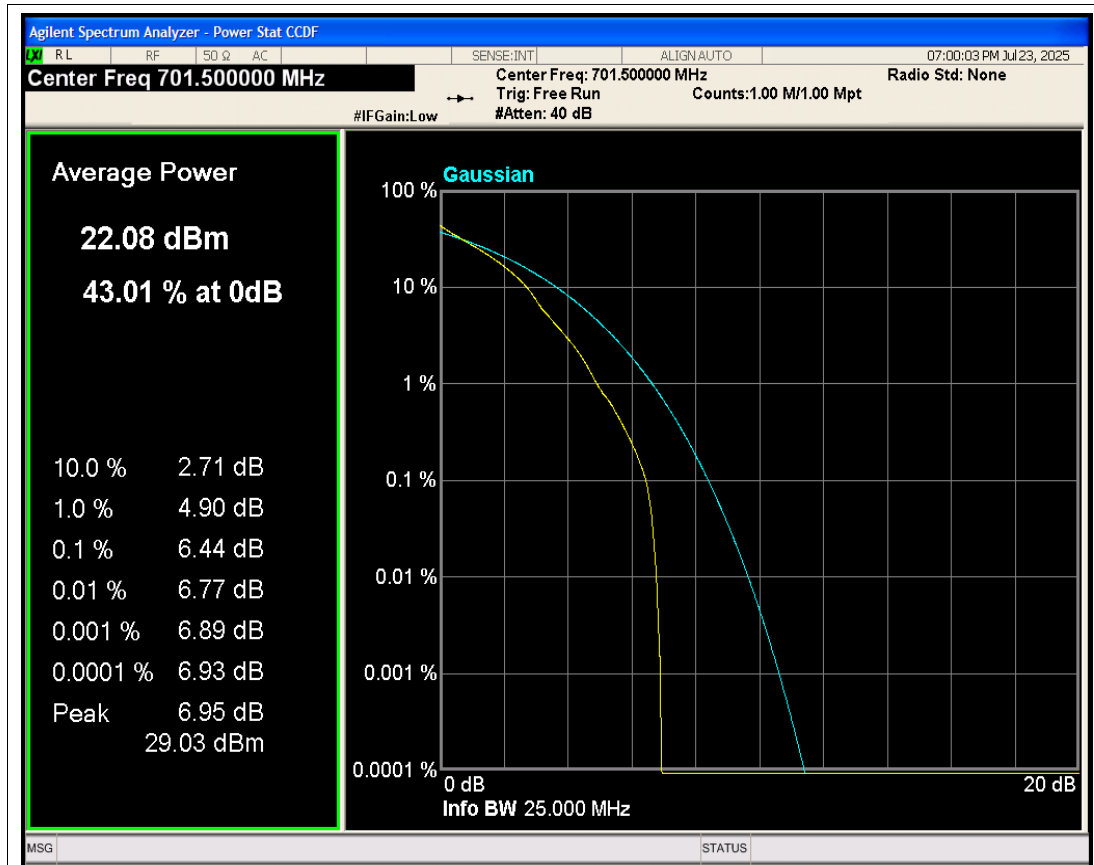
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0 NVNT



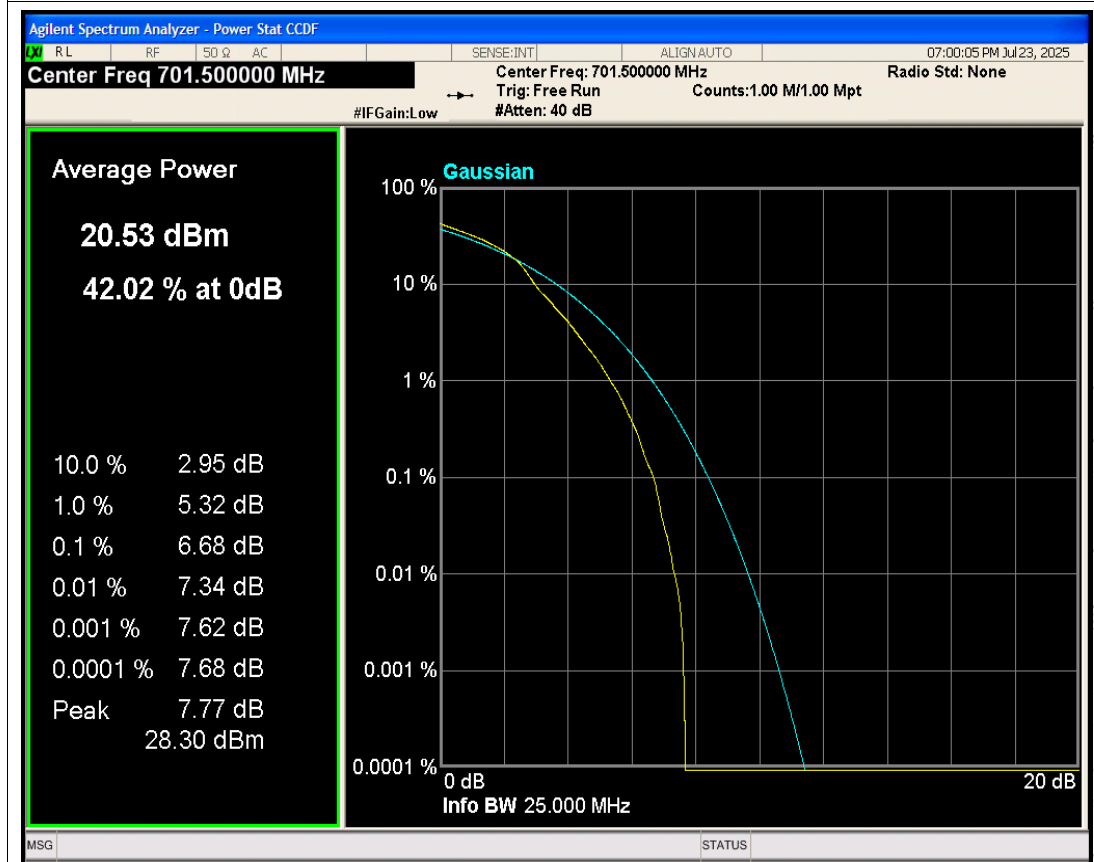
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0 NVNT



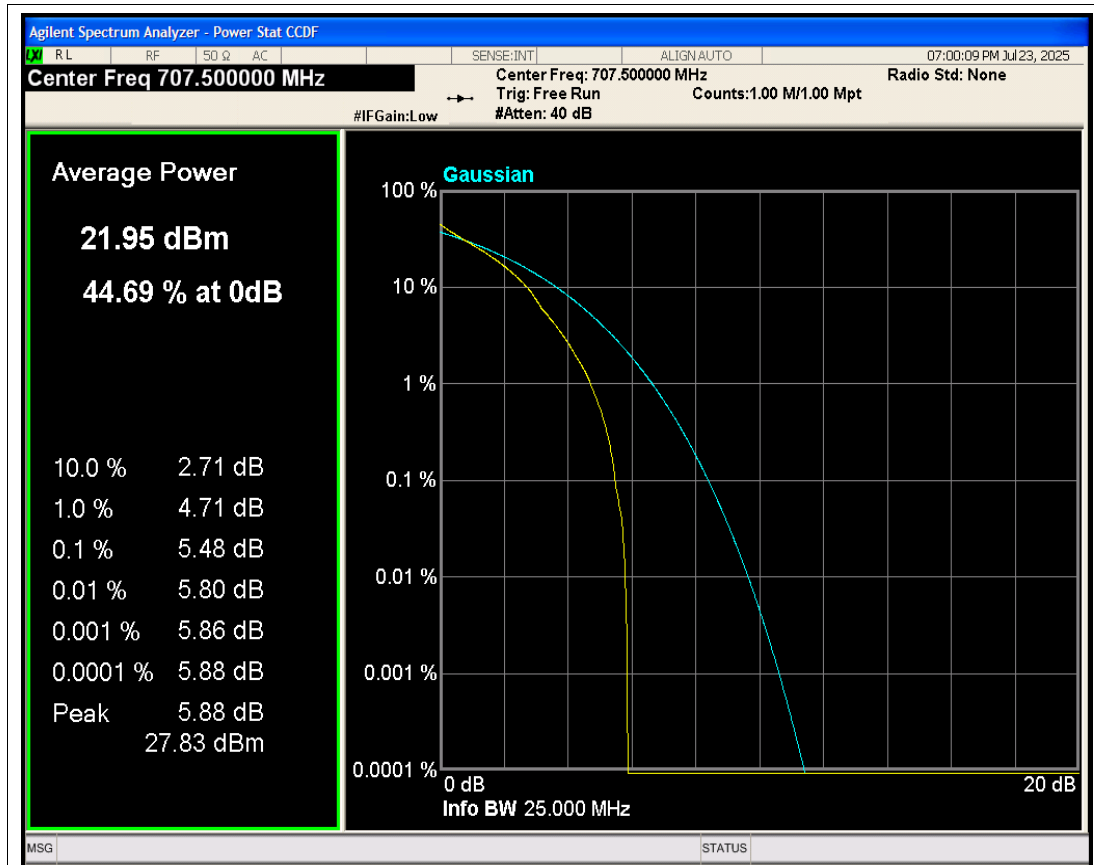
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0 NVNT



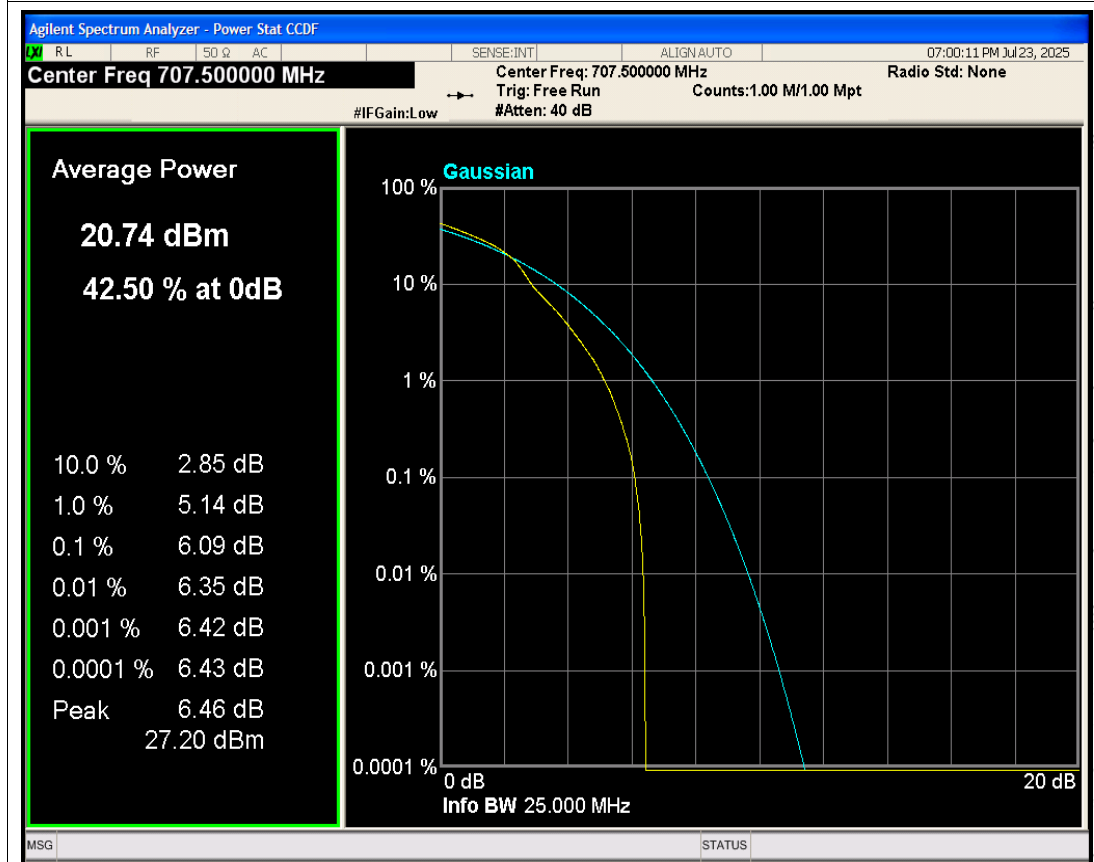
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0 NVNT



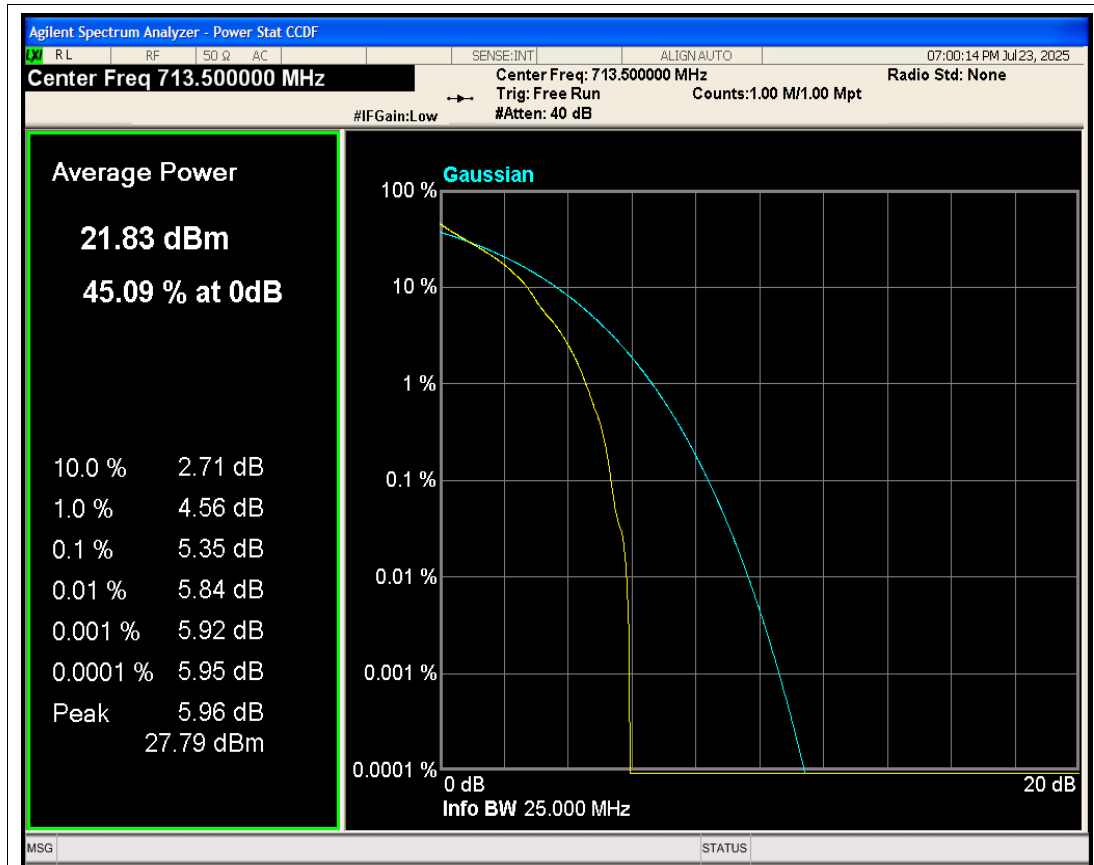
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0 NVNT



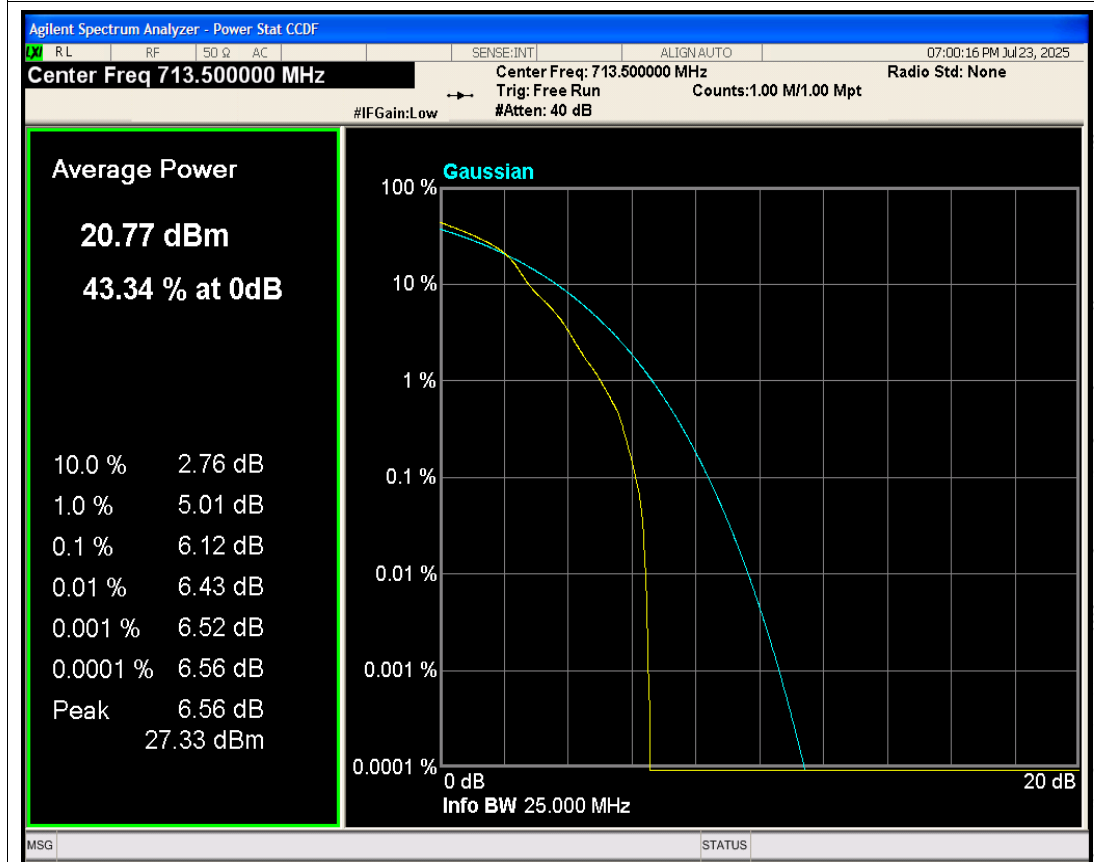
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0 NVNT



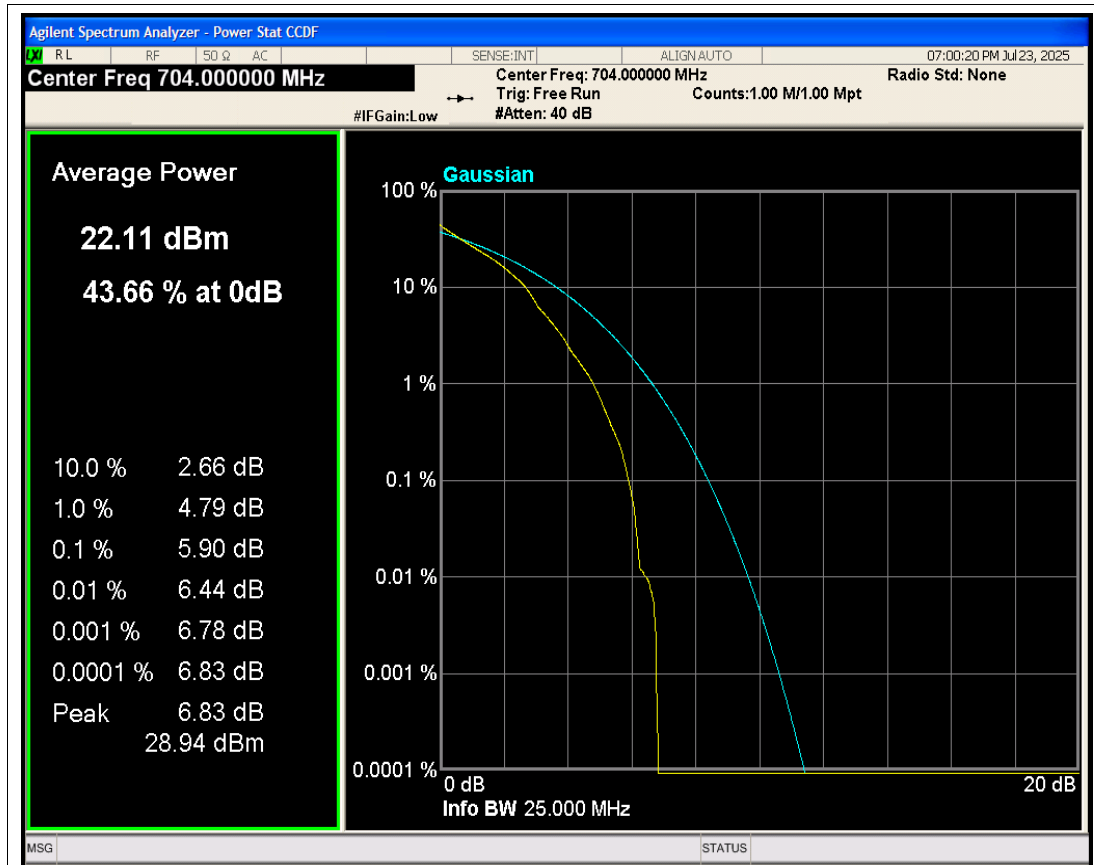
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0 NVNT



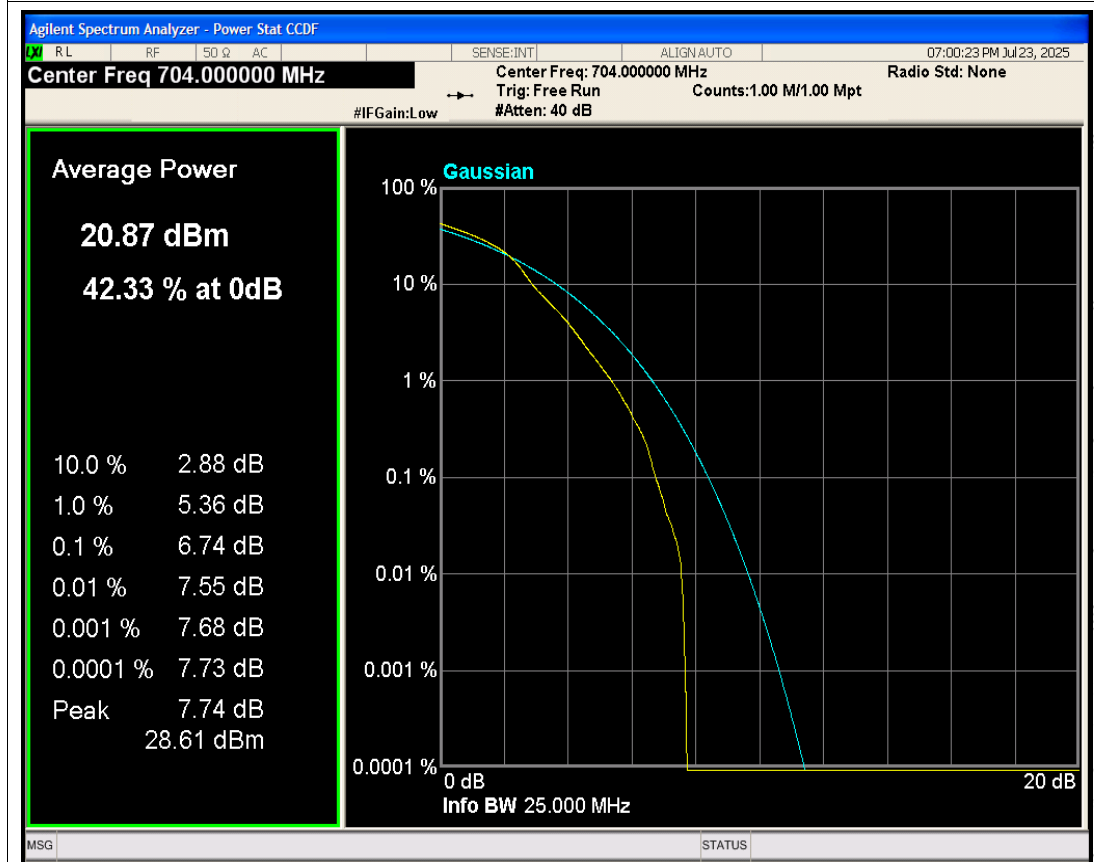
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0 NVNT



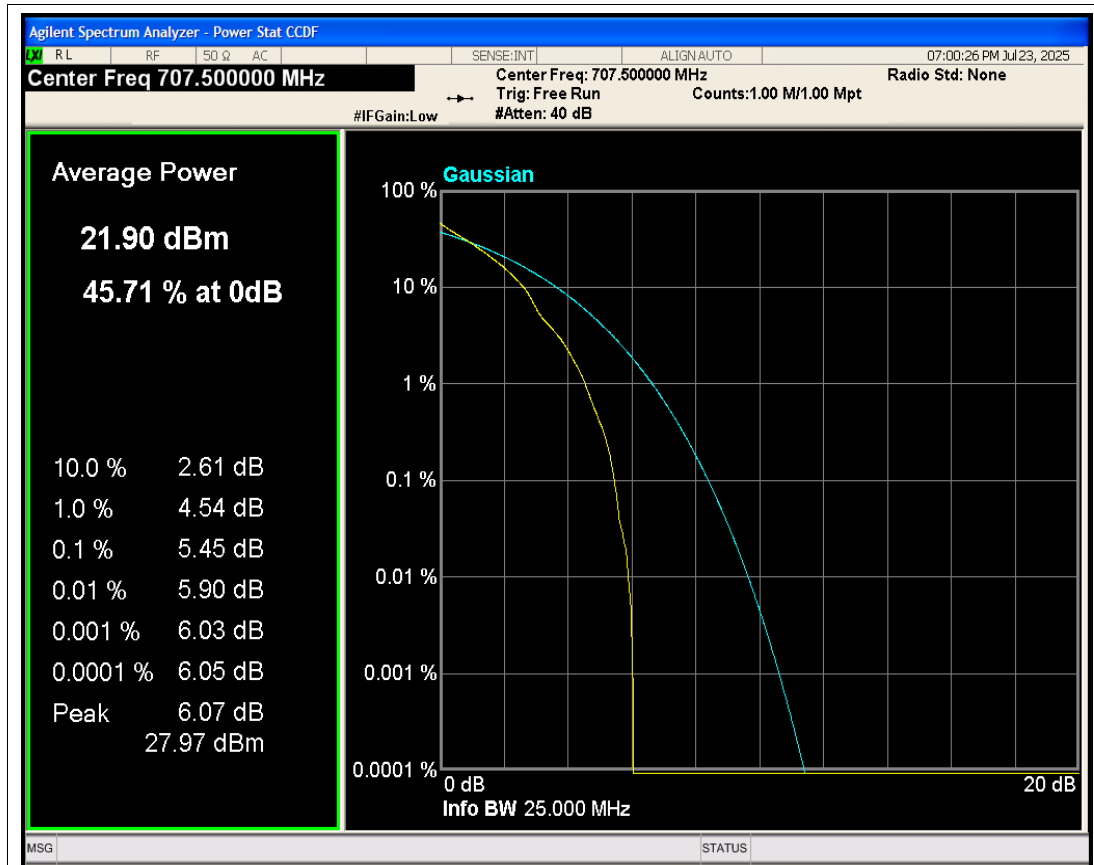
Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0 NVNT



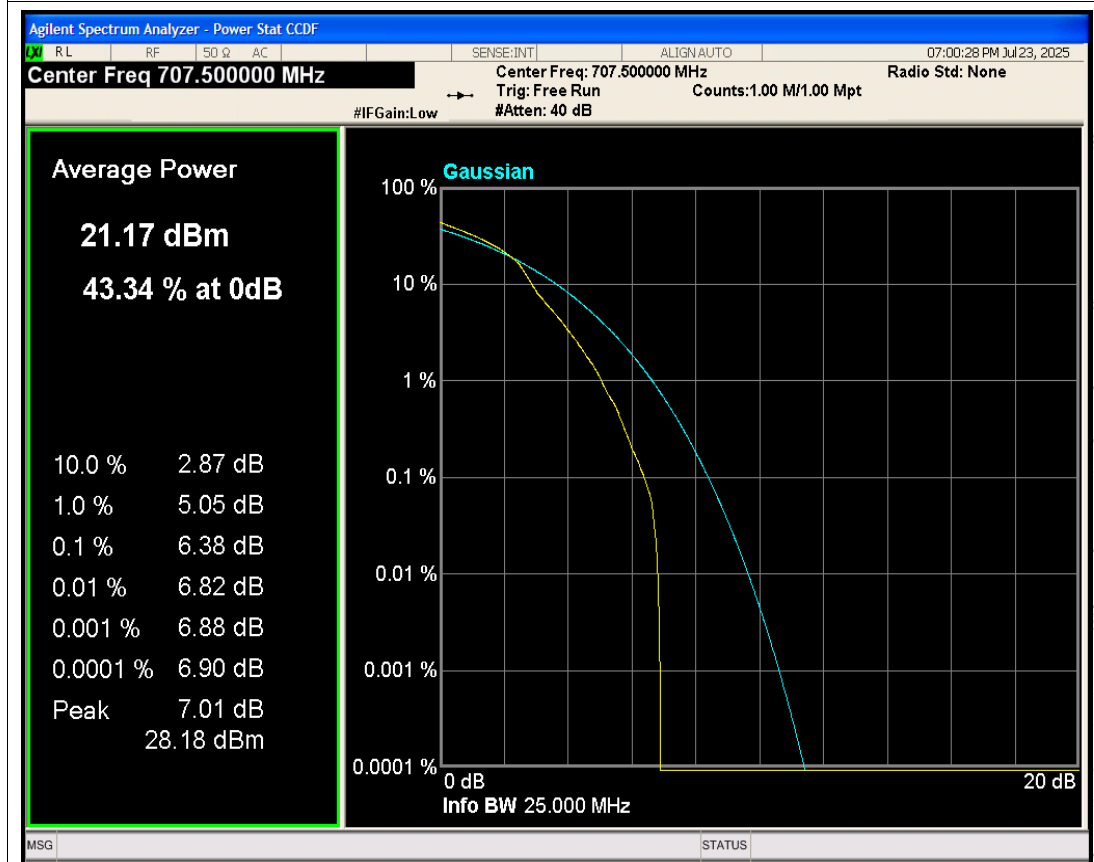
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0 NVNT



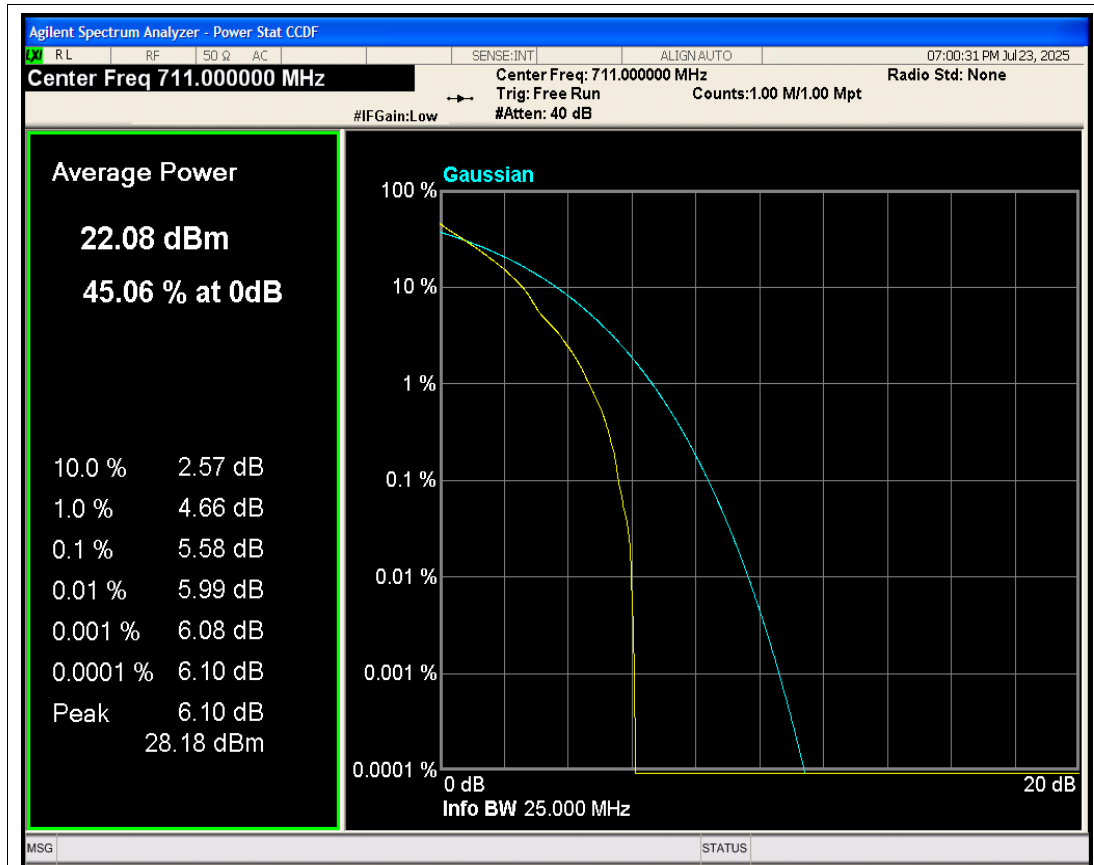
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0 NVNT



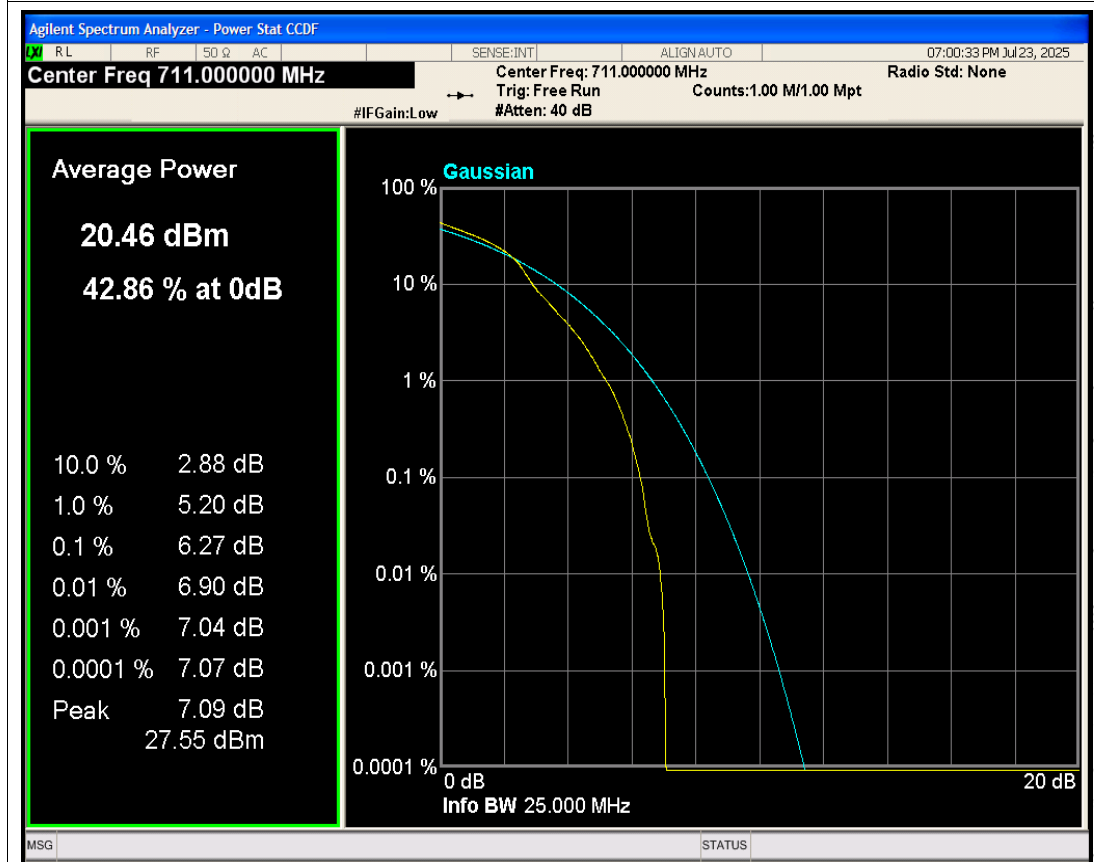
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0 NVNT



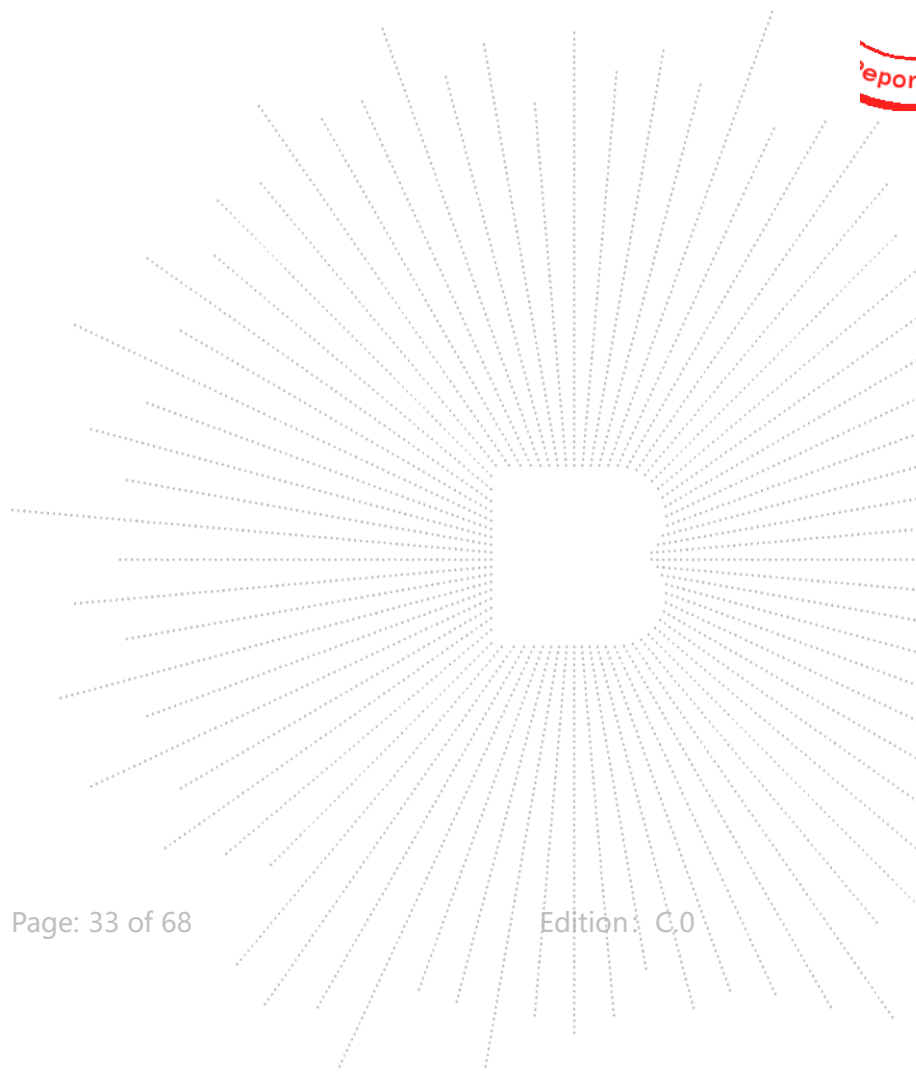
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0 NVNT



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

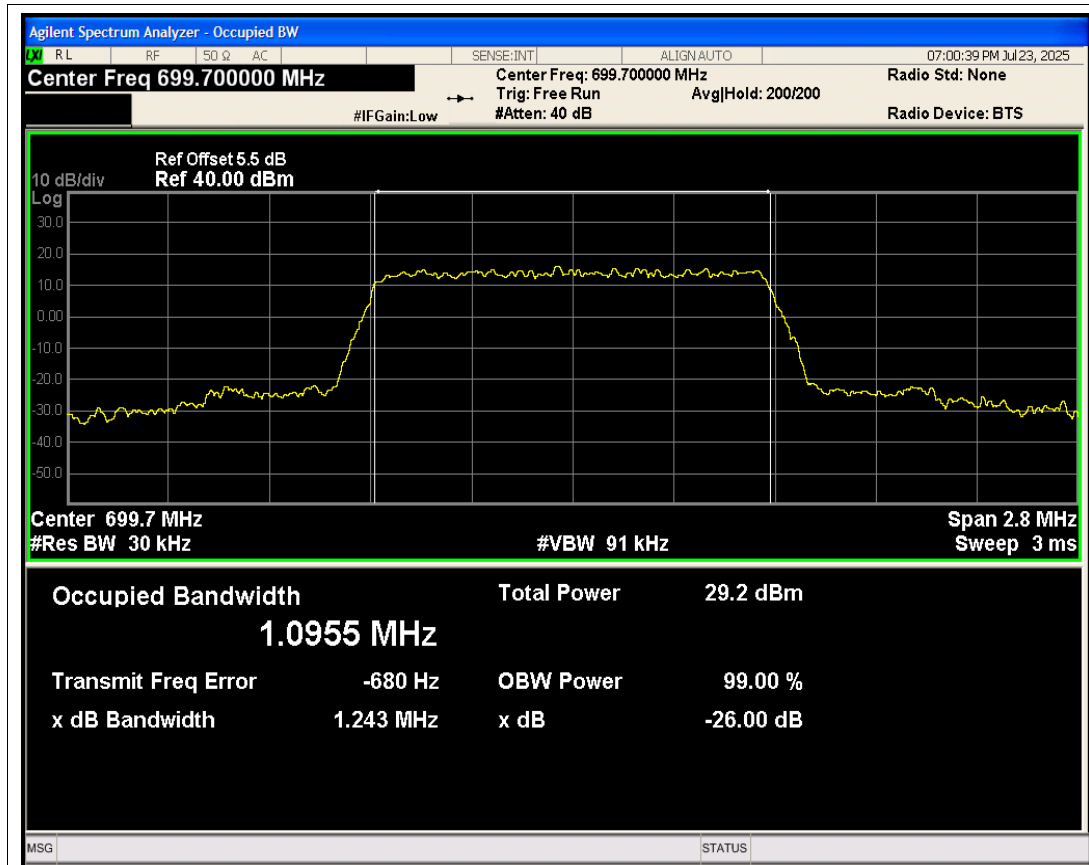


Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0 NVNT

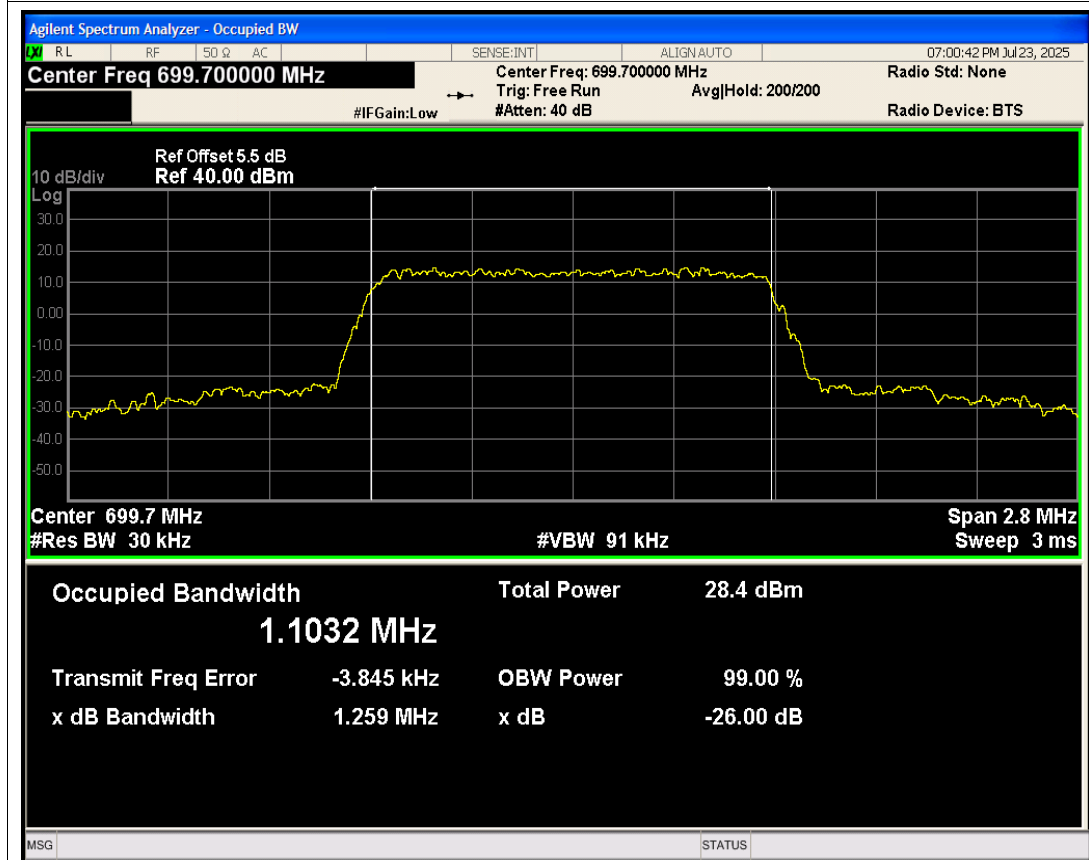


Appendix 4. Occupied bandwidth

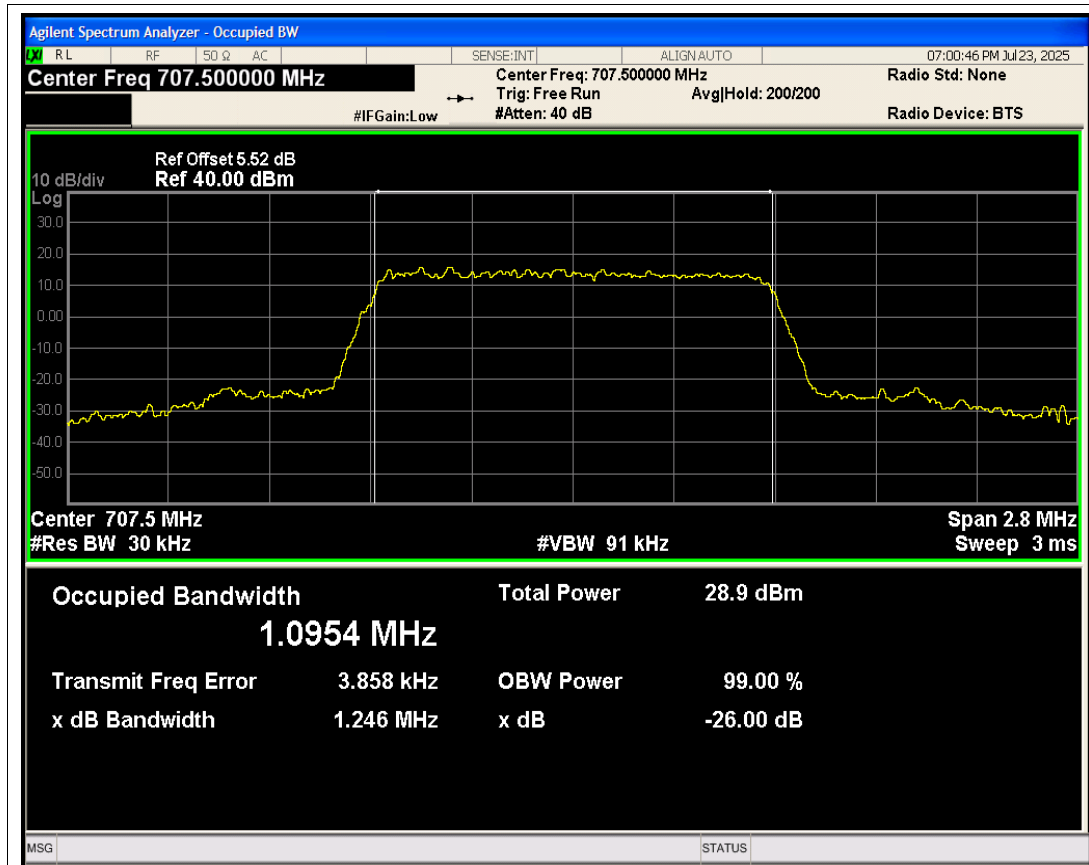
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.096	1.243	PASS
Band12	1.4	23017	6	#0	16QAM	1.103	1.259	PASS
Band12	1.4	23095	6	#0	QPSK	1.095	1.246	PASS
Band12	1.4	23095	6	#0	16QAM	1.094	1.241	PASS
Band12	1.4	23173	6	#0	QPSK	1.097	1.244	PASS
Band12	1.4	23173	6	#0	16QAM	1.097	1.245	PASS
Band12	3	23025	15	#0	QPSK	2.712	3.038	PASS
Band12	3	23025	15	#0	16QAM	2.703	3.029	PASS
Band12	3	23095	15	#0	QPSK	2.702	3.036	PASS
Band12	3	23095	15	#0	16QAM	2.703	3.047	PASS
Band12	3	23165	15	#0	QPSK	2.724	3.047	PASS
Band12	3	23165	15	#0	16QAM	2.722	3.056	PASS
Band12	5	23035	25	#0	QPSK	4.504	5.005	PASS
Band12	5	23035	25	#0	16QAM	4.510	4.926	PASS
Band12	5	23095	25	#0	QPSK	4.515	4.963	PASS
Band12	5	23095	25	#0	16QAM	4.524	4.989	PASS
Band12	5	23155	25	#0	QPSK	4.518	4.931	PASS
Band12	5	23155	25	#0	16QAM	4.530	4.992	PASS
Band12	10	23060	50	#0	QPSK	8.963	9.780	PASS
Band12	10	23060	50	#0	16QAM	8.964	9.819	PASS
Band12	10	23095	50	#0	QPSK	9.008	9.828	PASS
Band12	10	23095	50	#0	16QAM	9.044	9.857	PASS
Band12	10	23130	50	#0	QPSK	8.990	9.910	PASS
Band12	10	23130	50	#0	16QAM	8.983	9.862	PASS



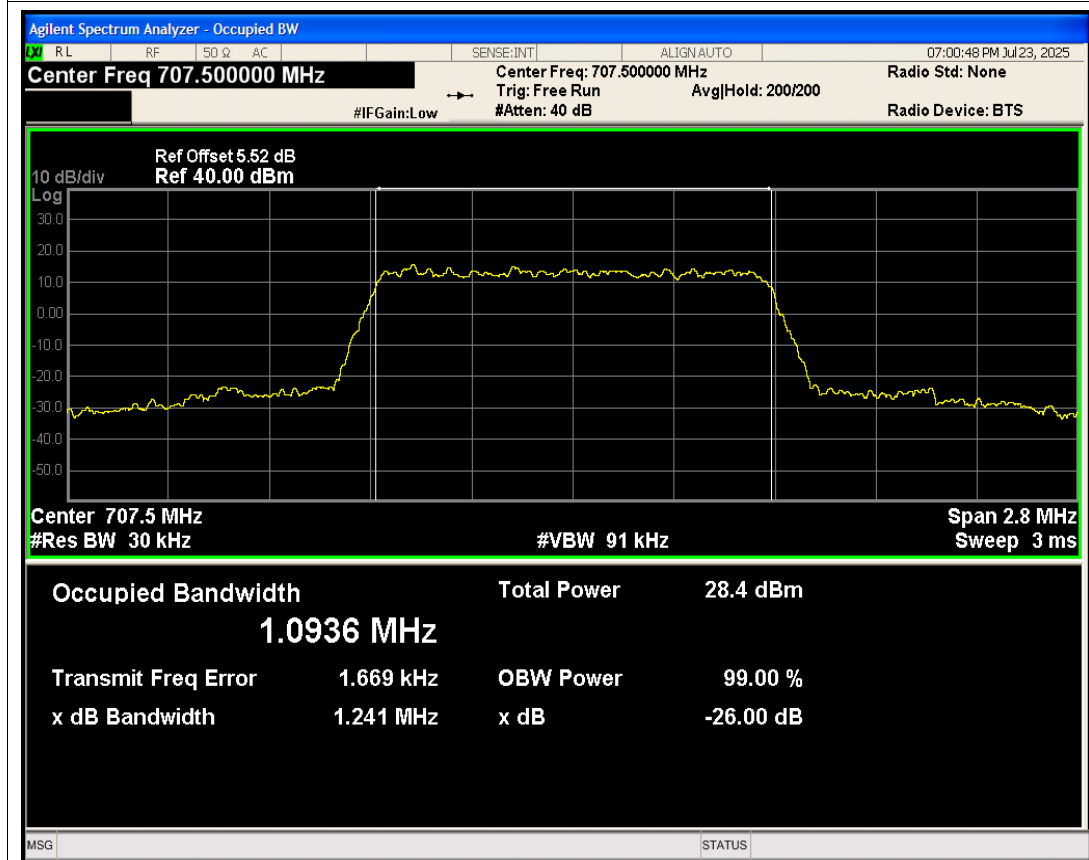
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT



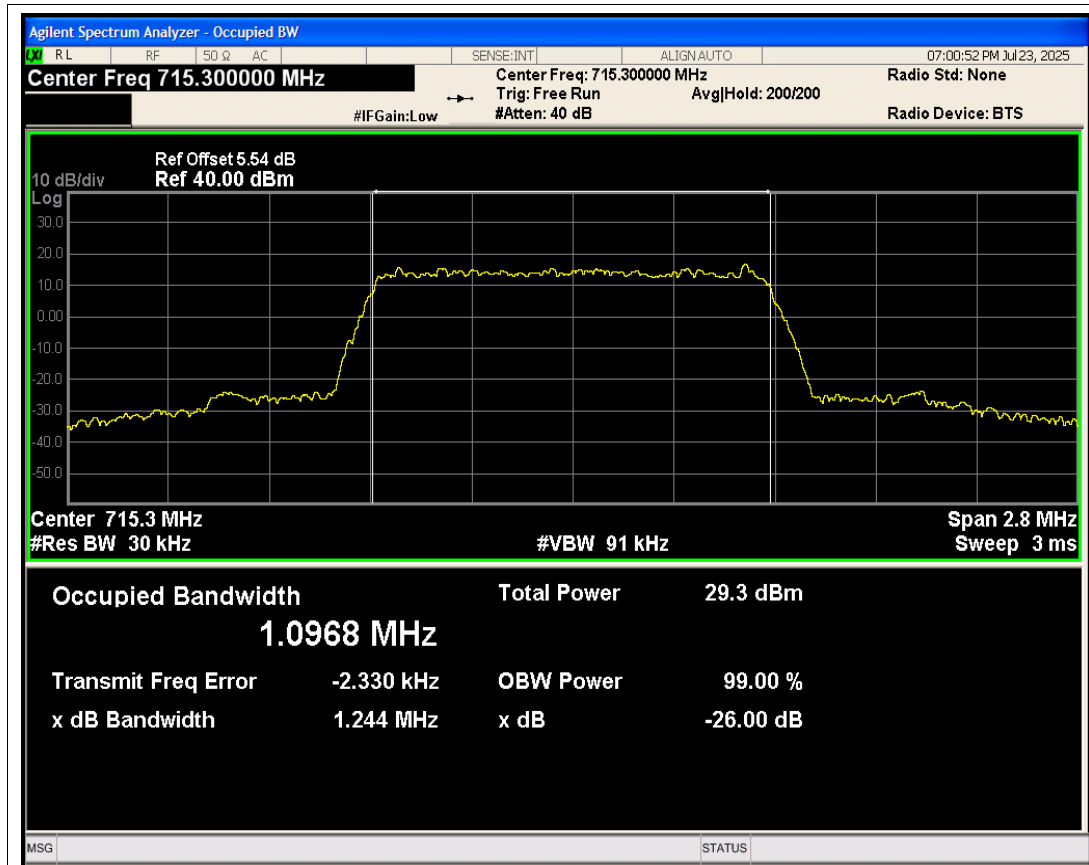
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT



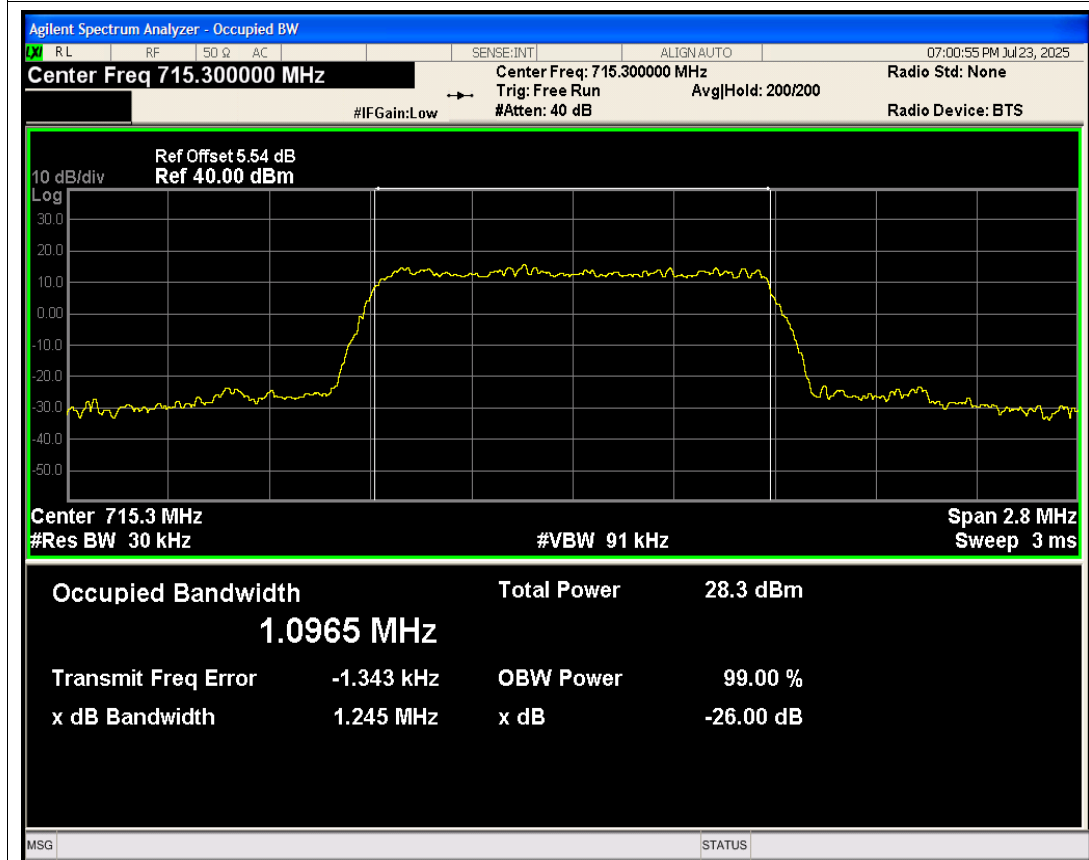
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT



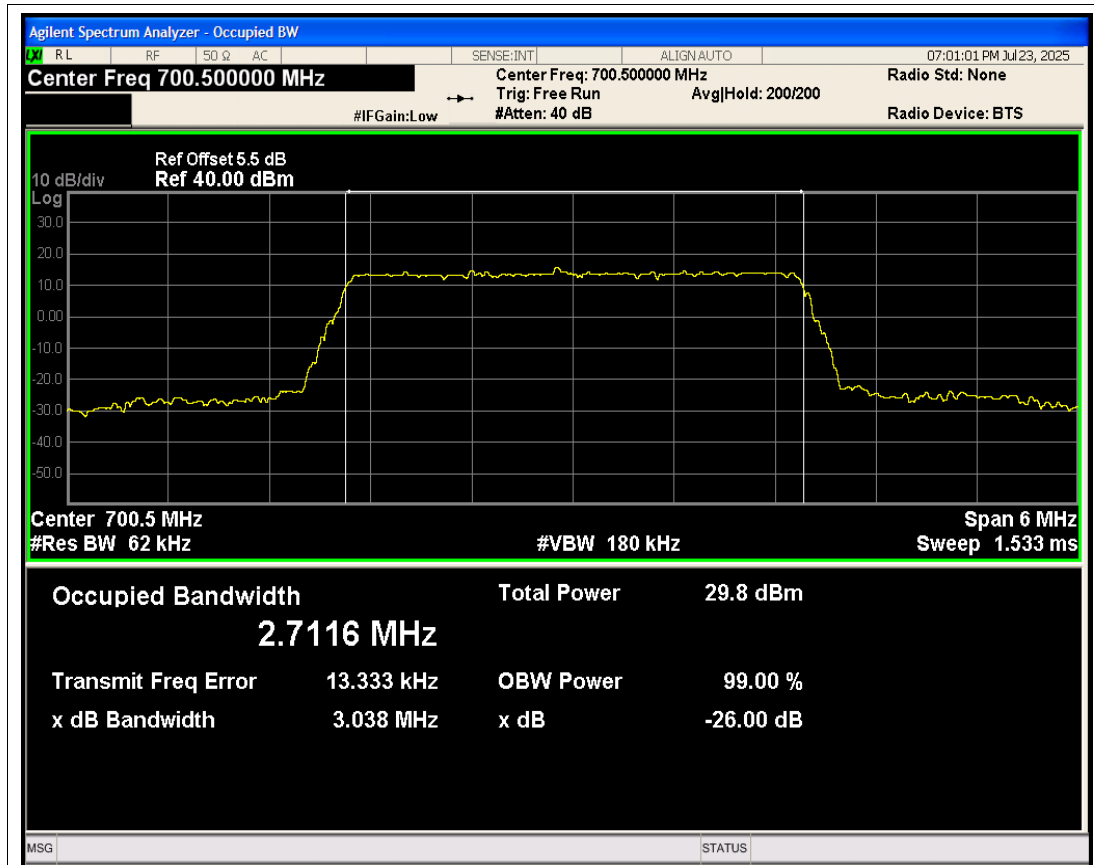
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT



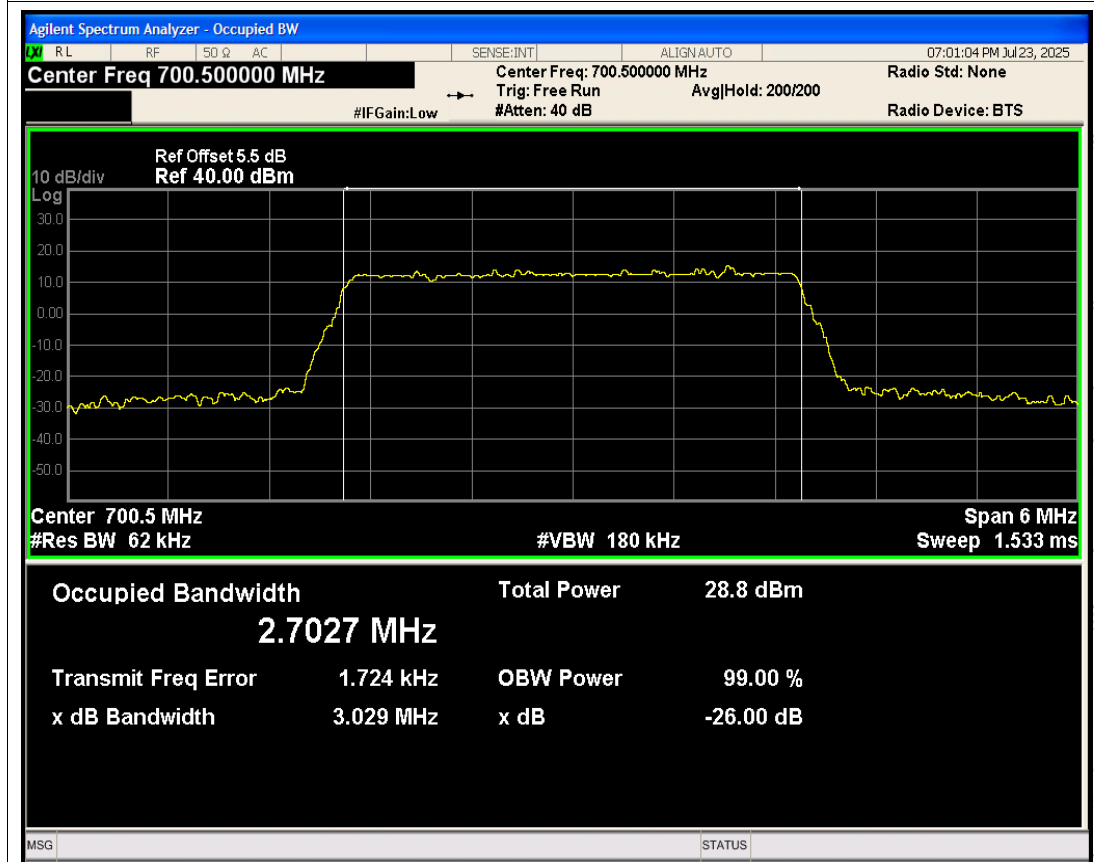
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



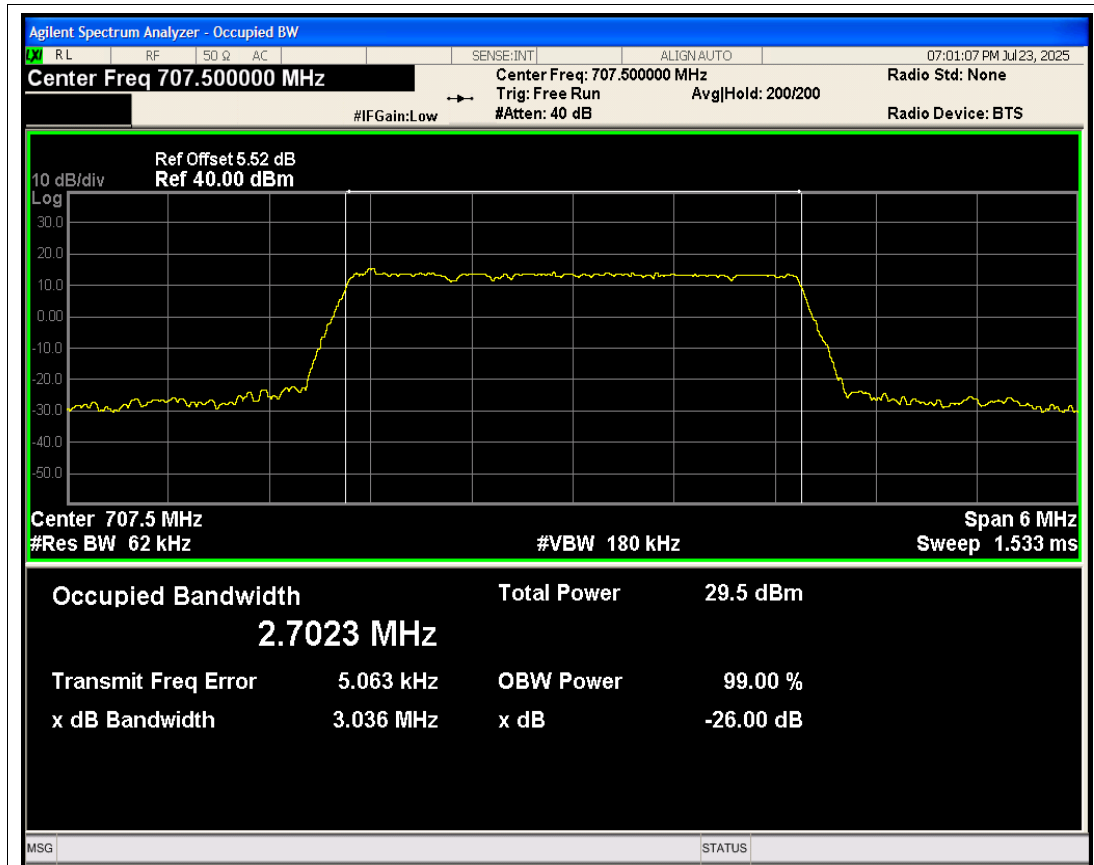
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



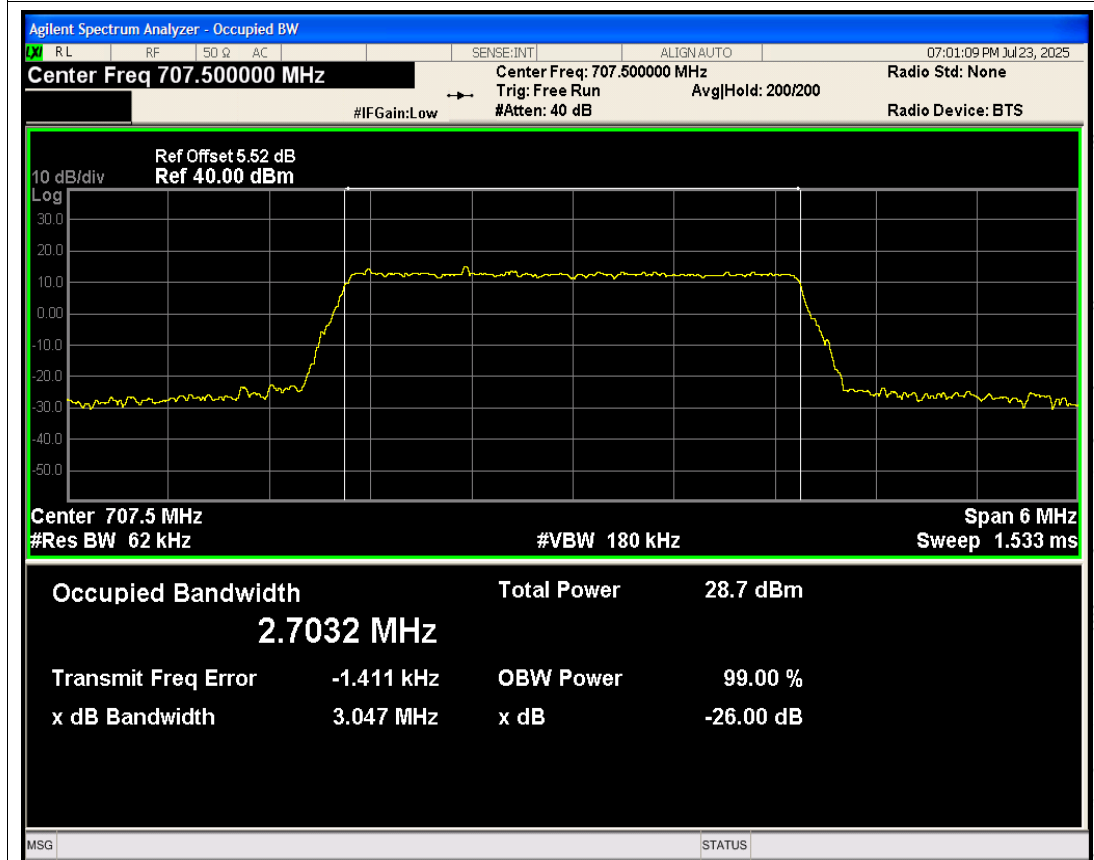
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT



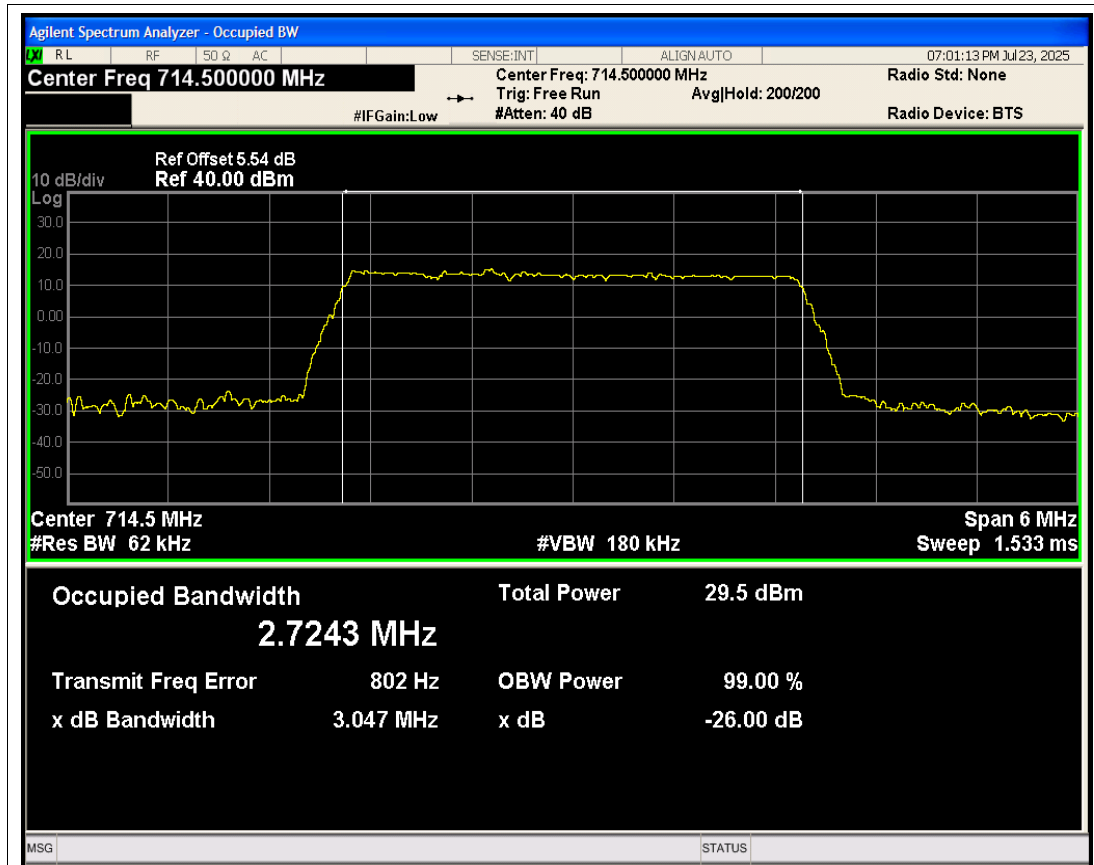
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT



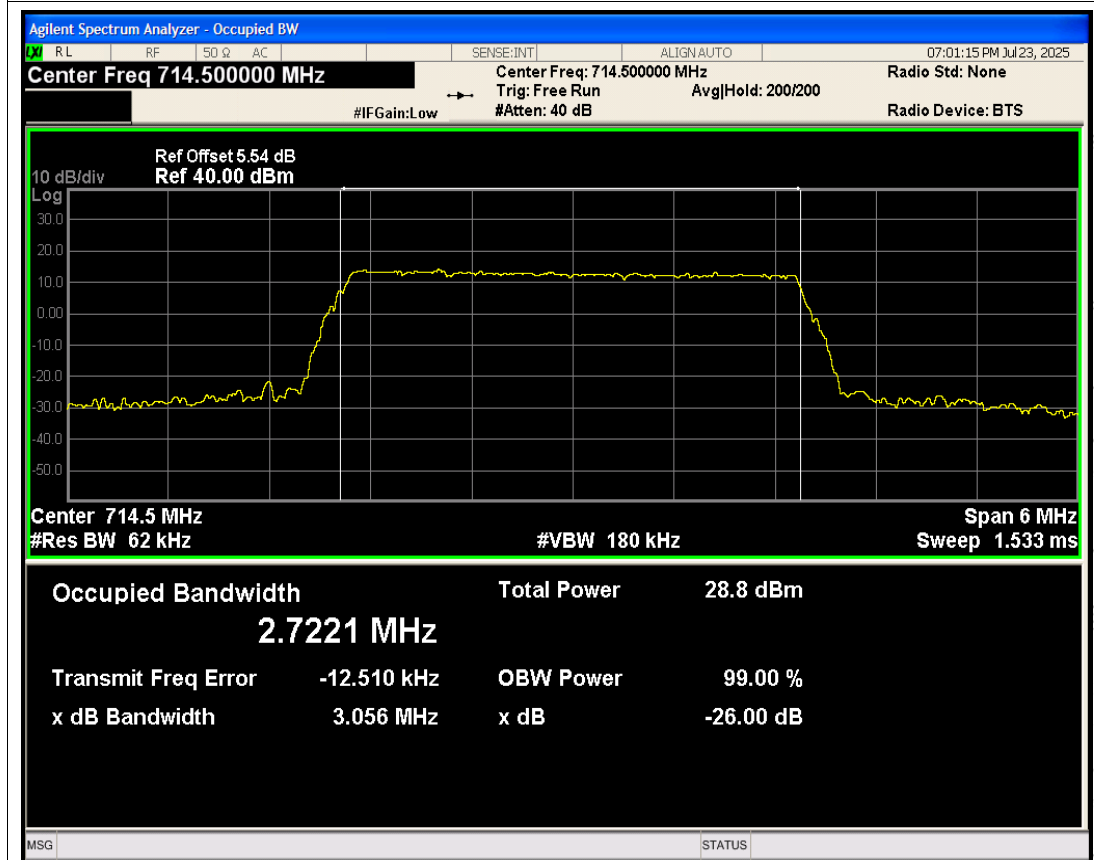
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT



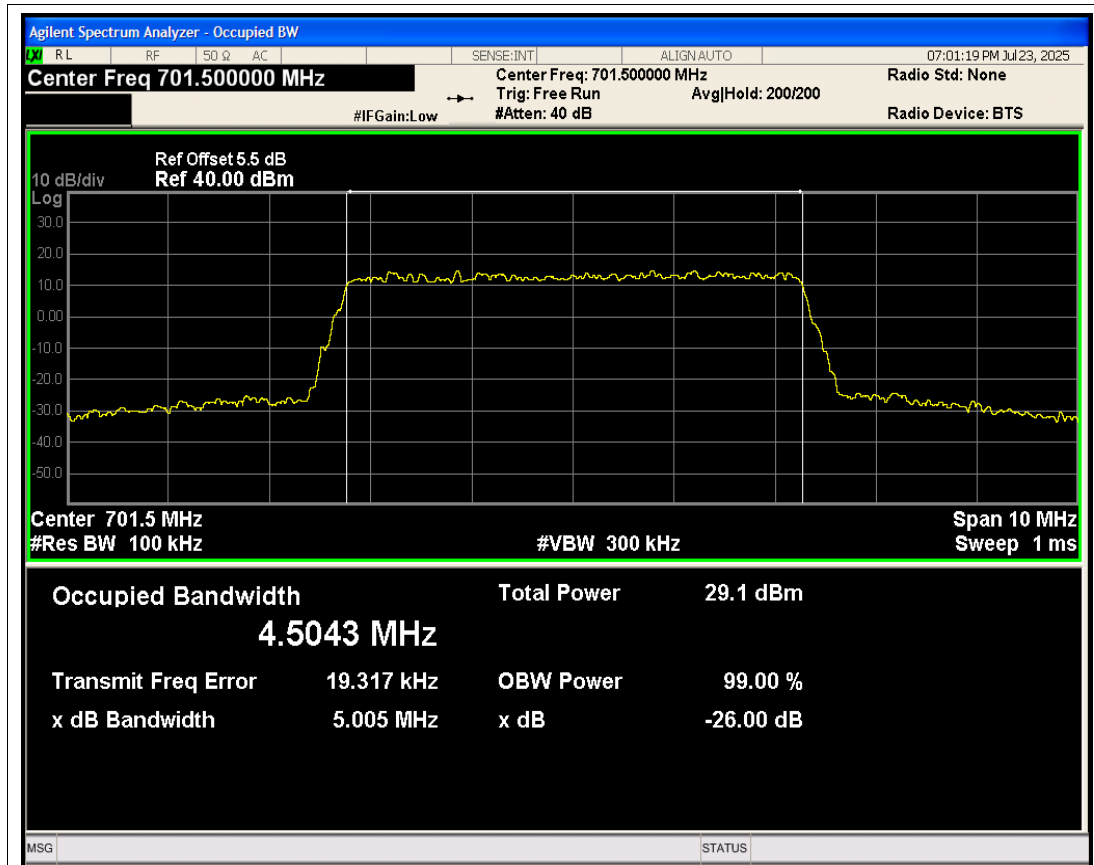
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT



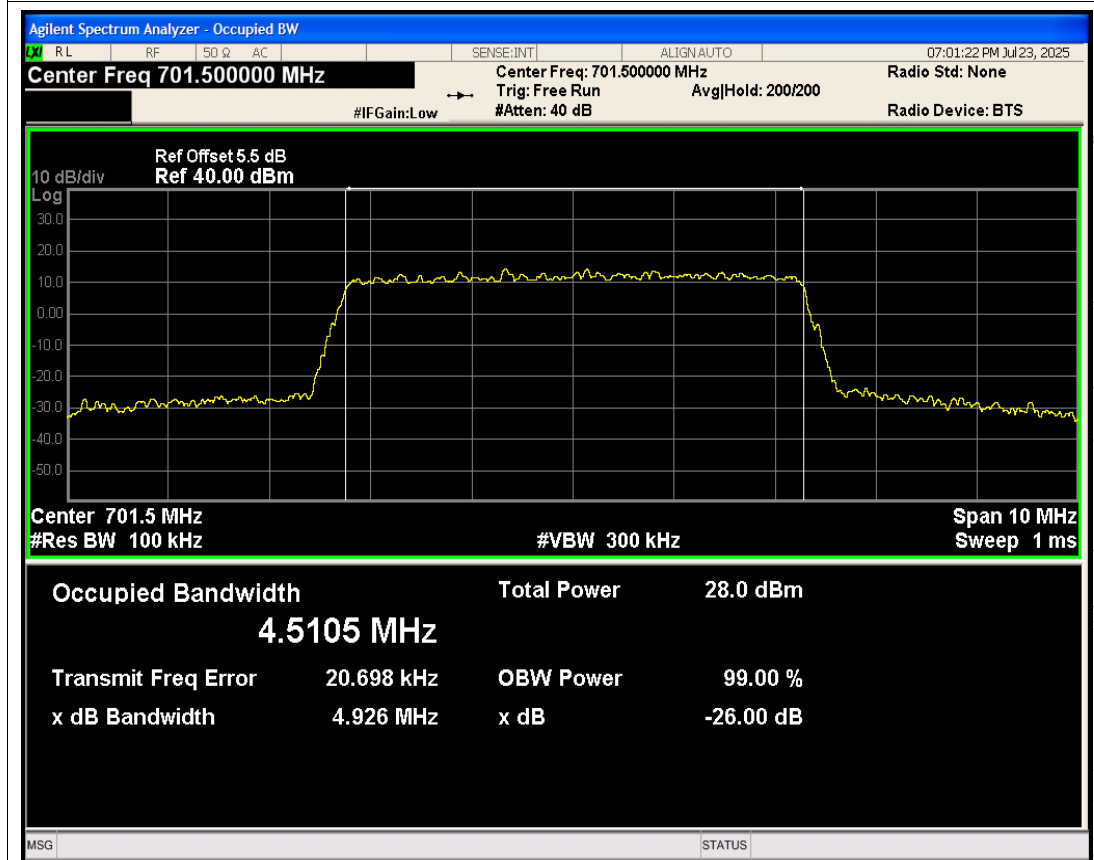
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



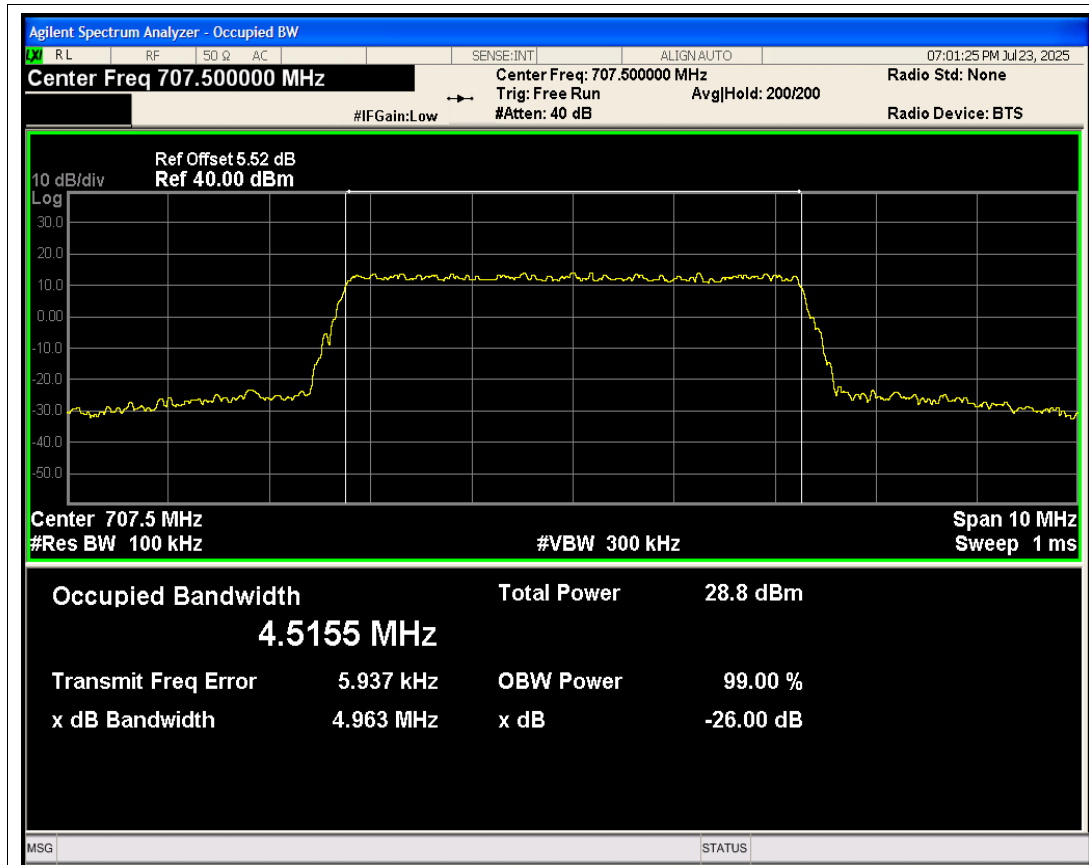
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



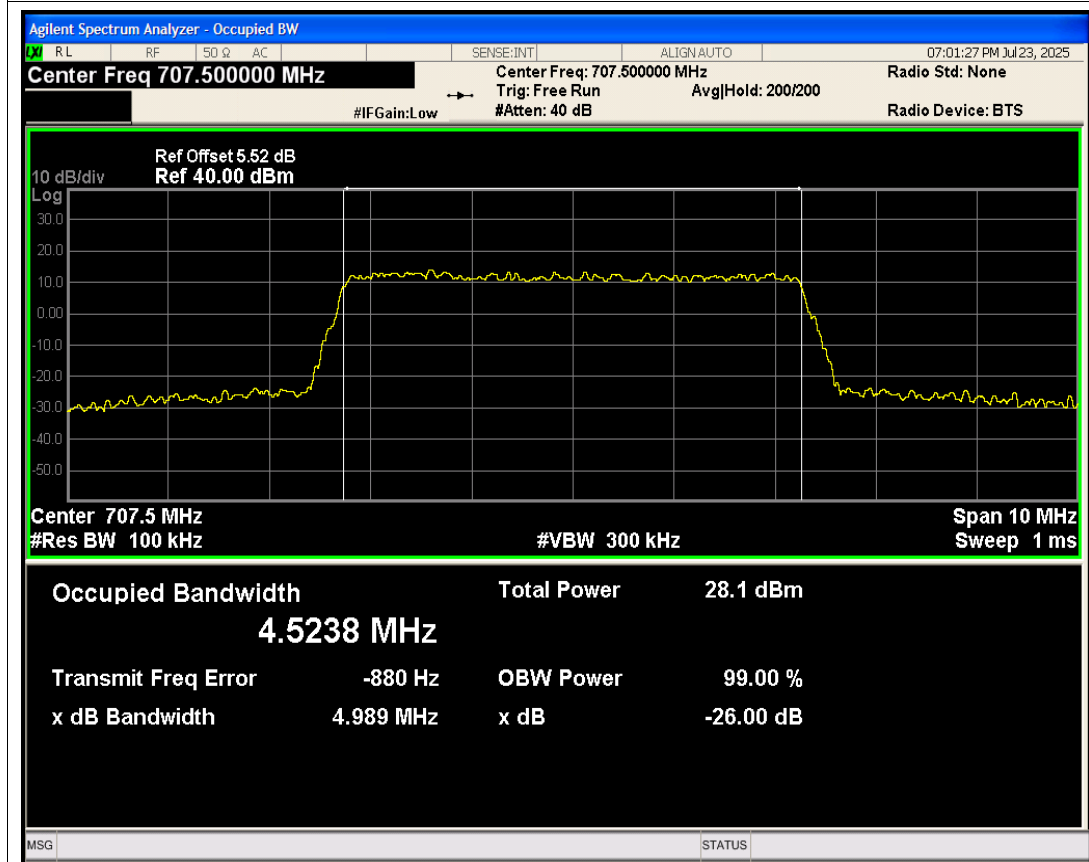
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



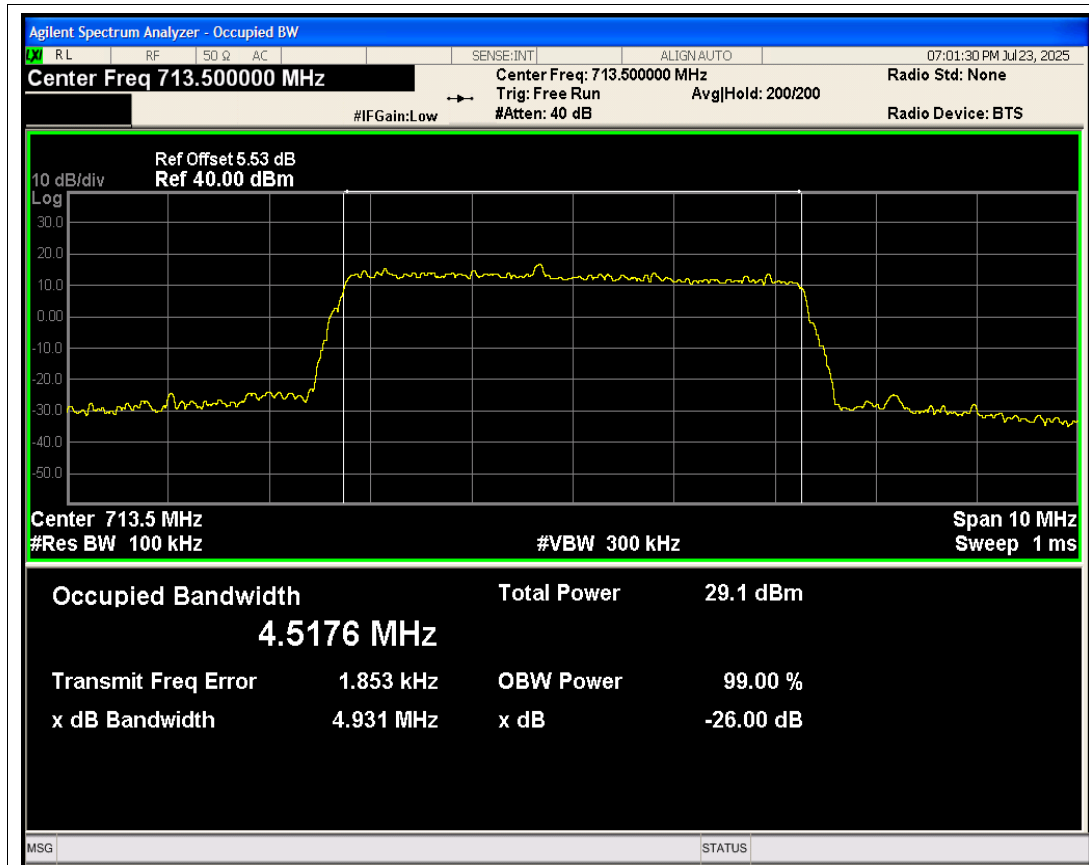
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



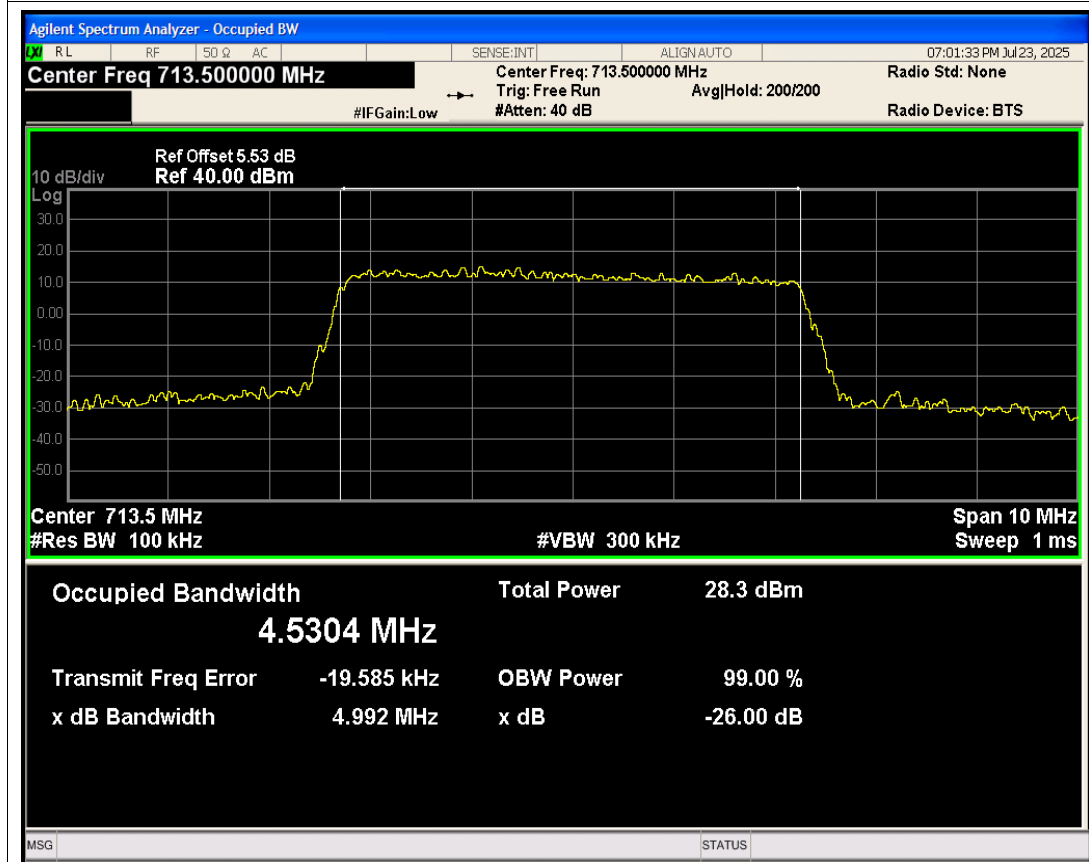
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT



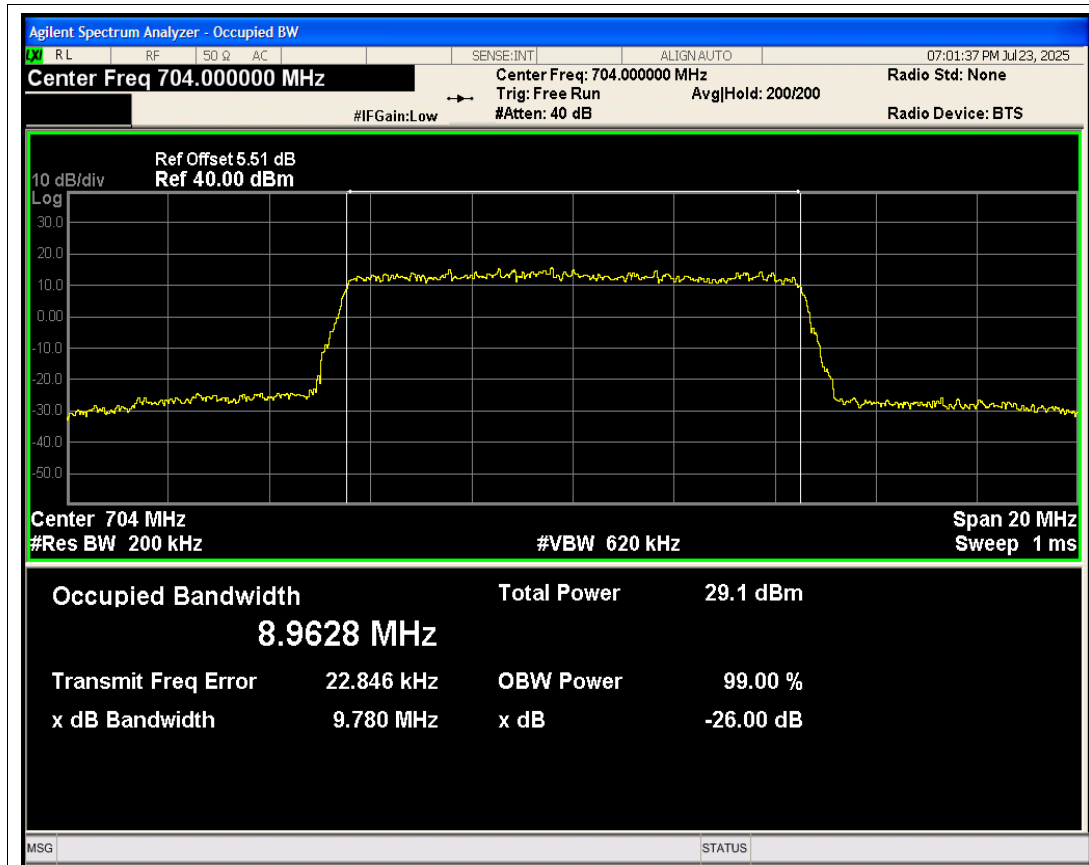
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT



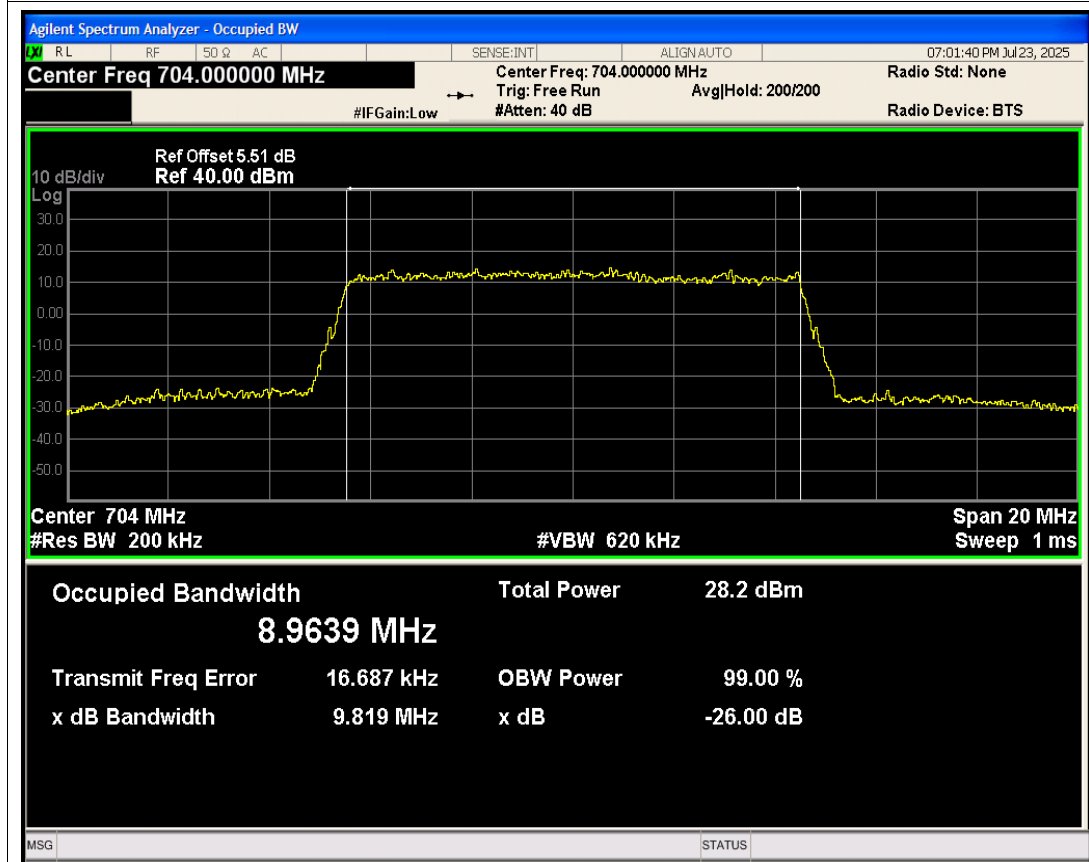
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



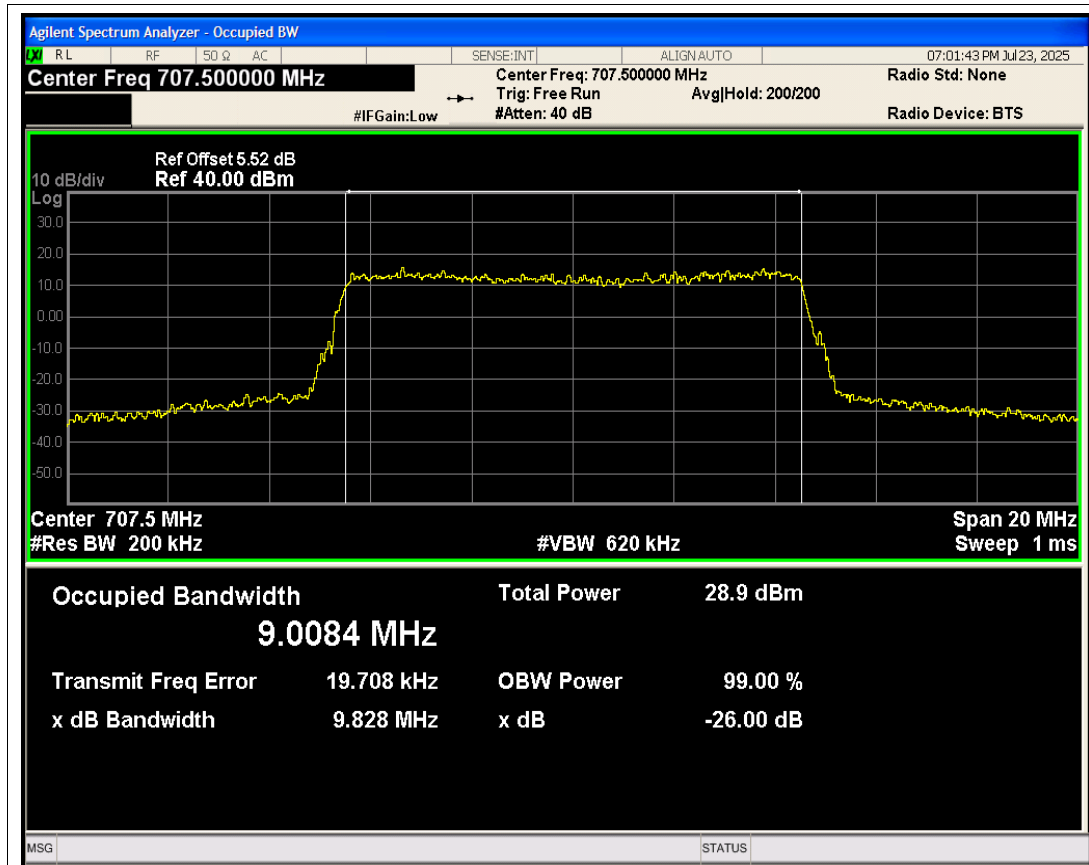
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



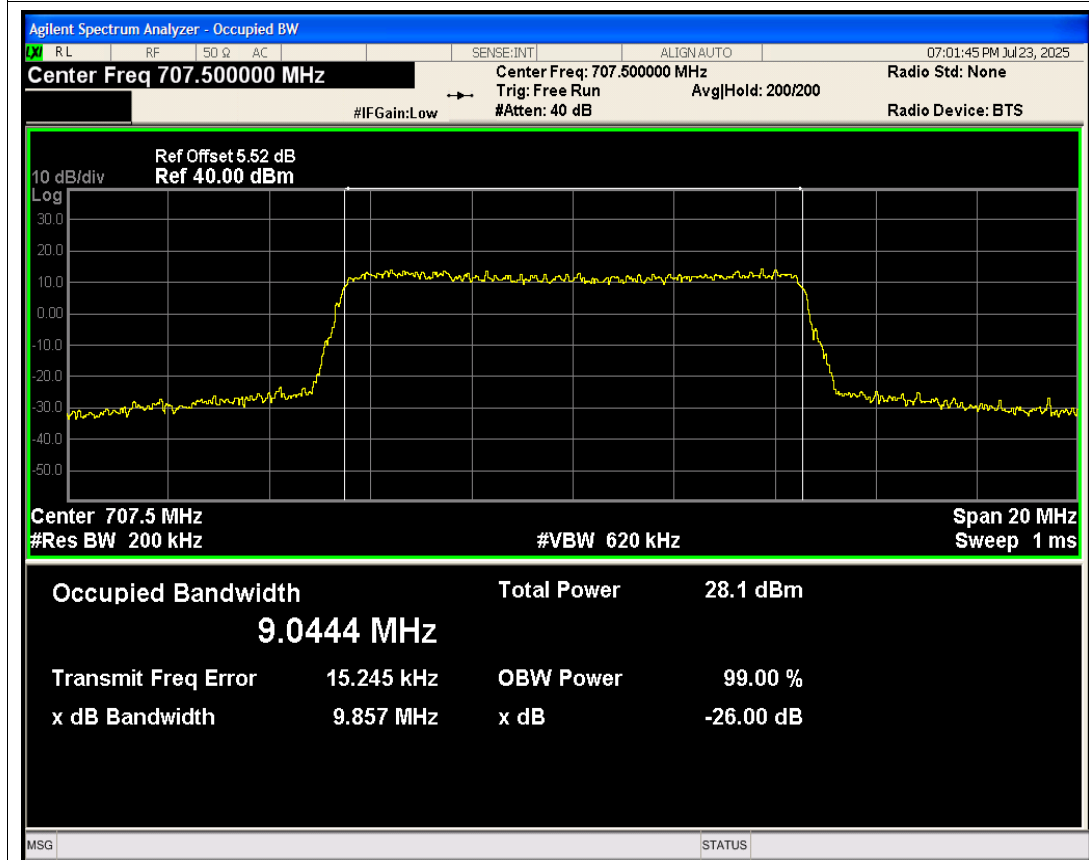
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT



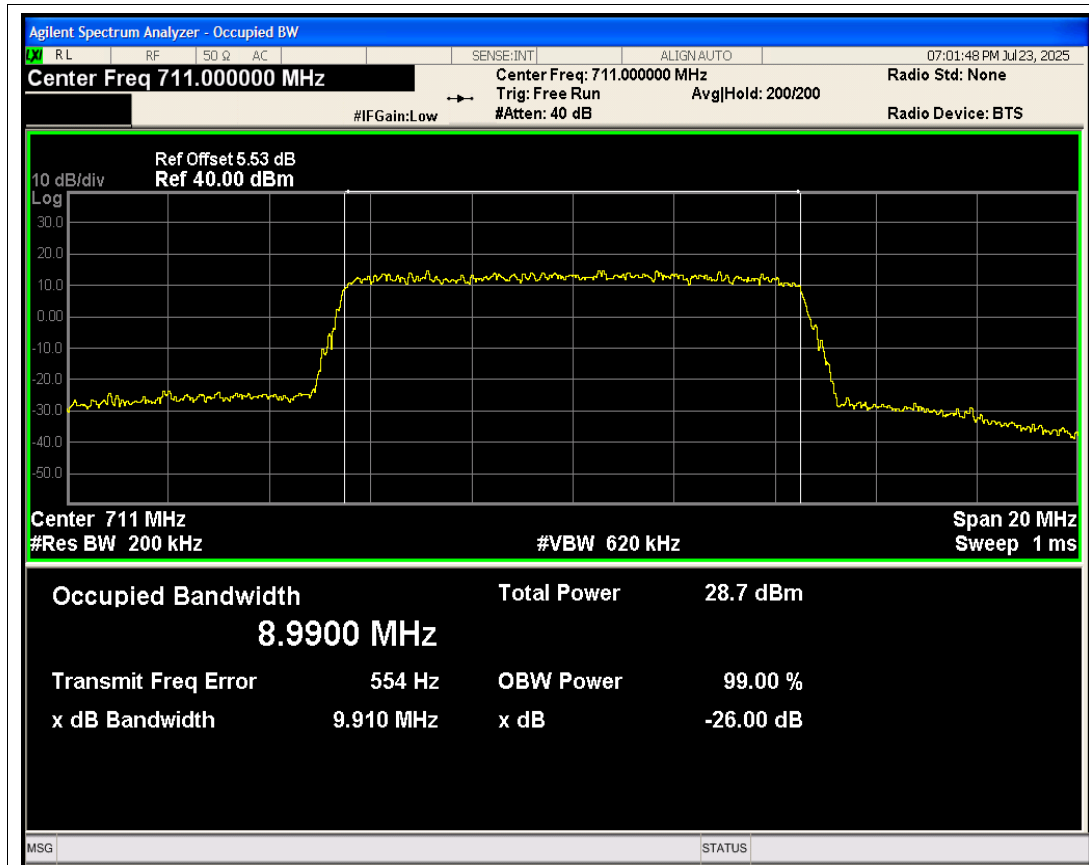
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT



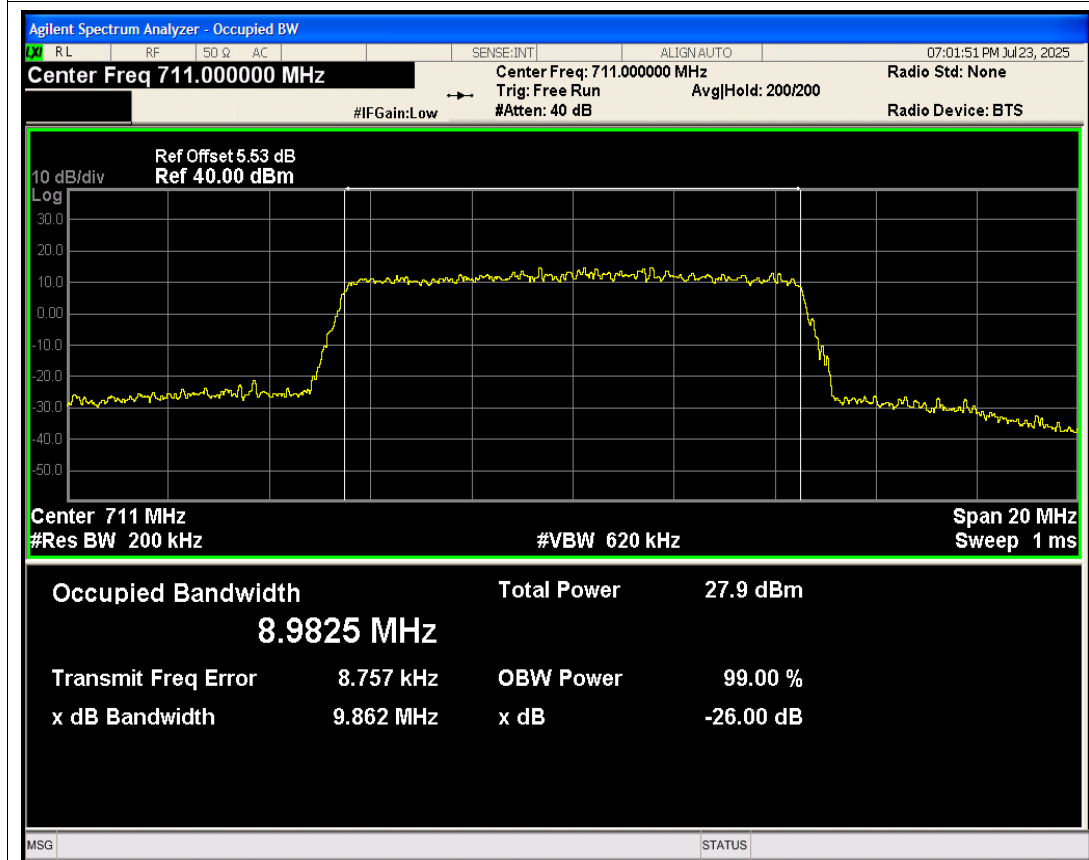
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT



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



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

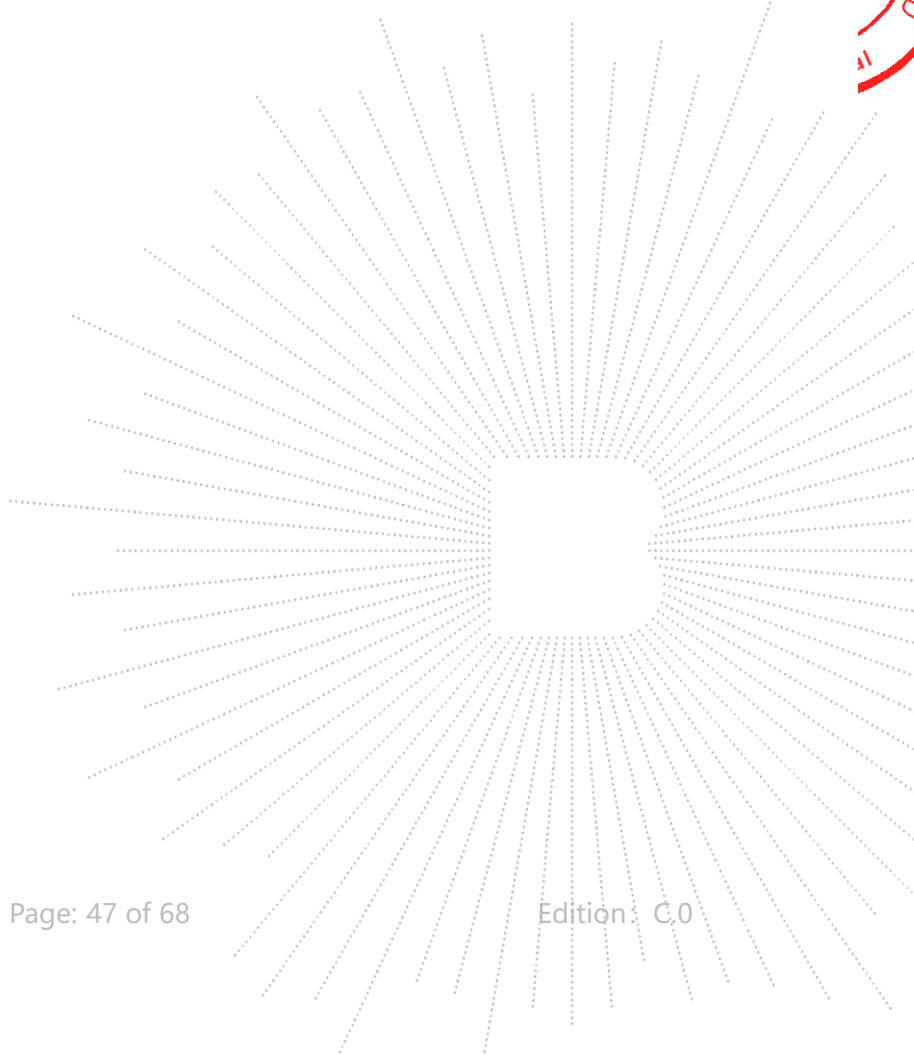


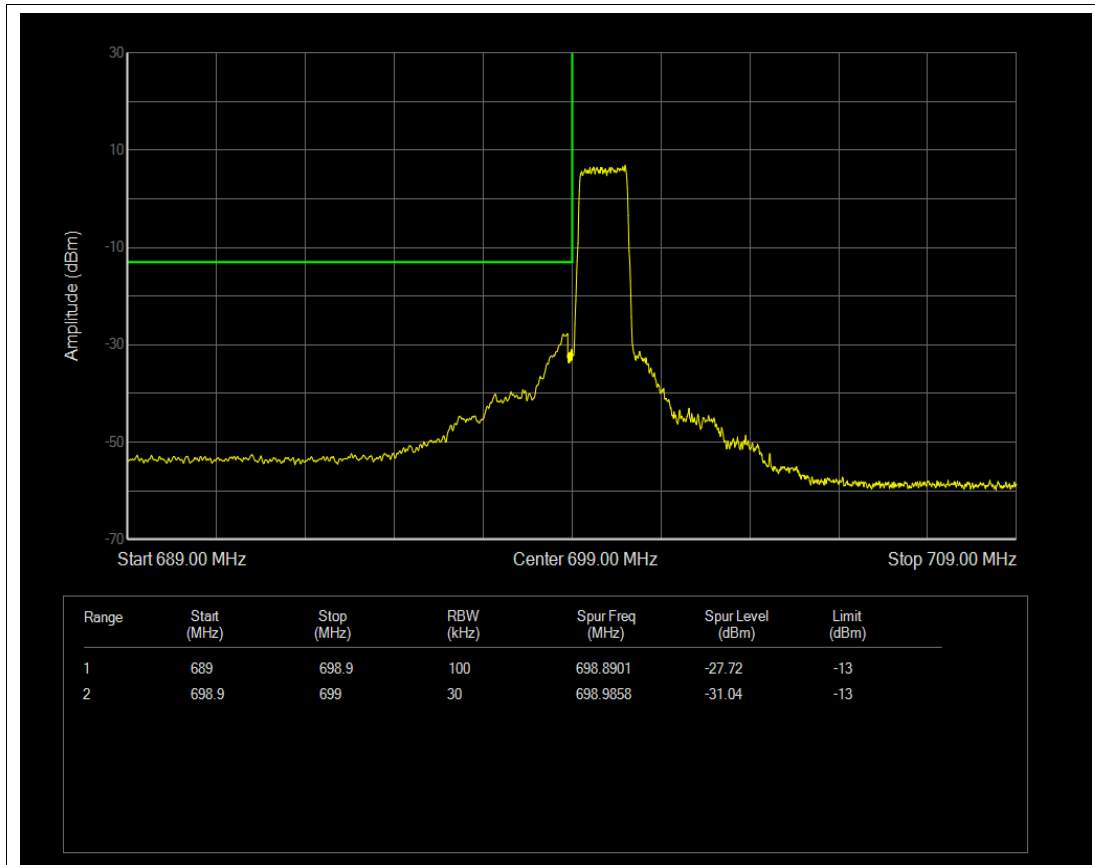
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0 NVNT

Appendix 5. Band edge

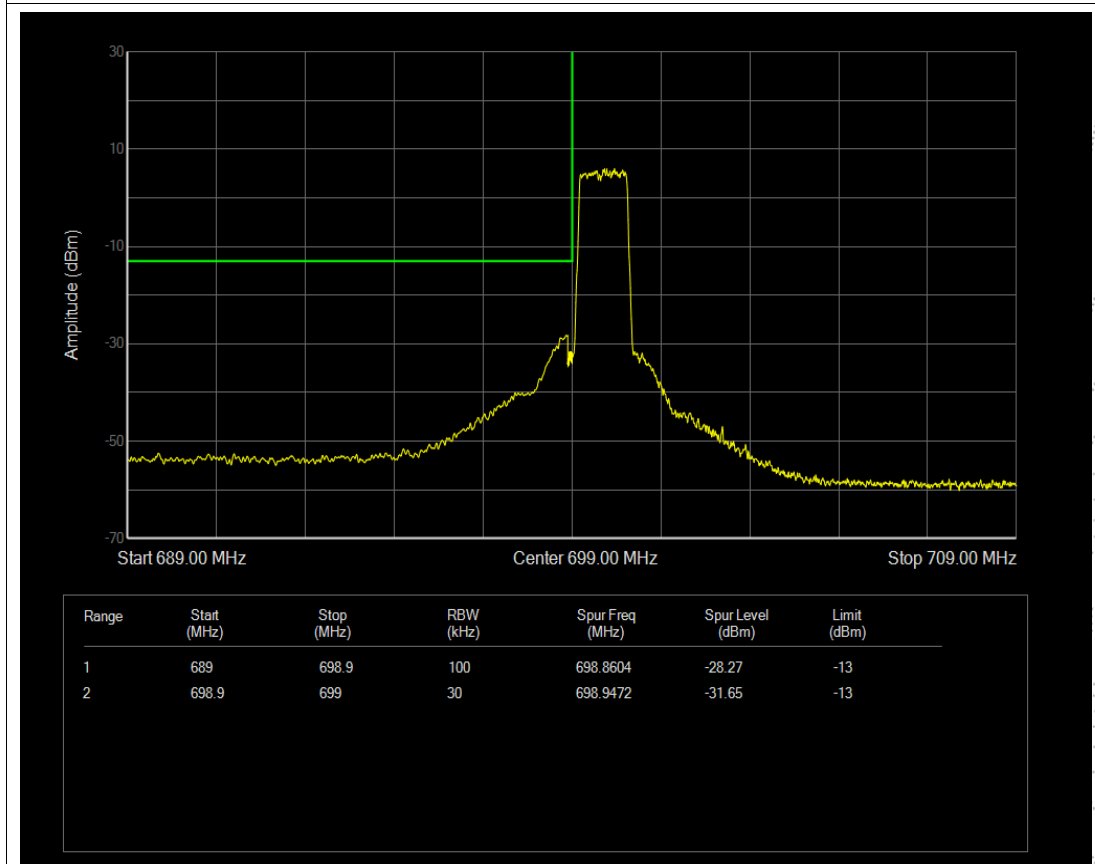
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	698.89	-27.72	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.86	-28.27	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.12	-29.52	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.11	-29.56	-13	PASS
Band12	3	23025	15	#0	QPSK	699.00	-26.43	-13	PASS
Band12	3	23025	15	#0	16QAM	698.99	-25.78	-13	PASS
Band12	3	23165	15	#0	QPSK	716.00	-25.92	-13	PASS
Band12	3	23165	15	#0	16QAM	716.00	-26.39	-13	PASS
Band12	5	23035	25	#0	QPSK	698.90	-33.03	-13	PASS
Band12	5	23035	25	#0	16QAM	698.76	-34.15	-13	PASS
Band12	5	23155	25	#0	QPSK	716.00	-34.38	-13	PASS
Band12	5	23155	25	#0	16QAM	716.00	-35.63	-13	PASS
Band12	10	23060	50	#0	QPSK	698.90	-35.03	-13	PASS
Band12	10	23060	50	#0	16QAM	698.40	-35.57	-13	PASS
Band12	10	23130	50	#0	QPSK	716.11	-36.97	-13	PASS
Band12	10	23130	50	#0	16QAM	716.11	-37.54	-13	PASS

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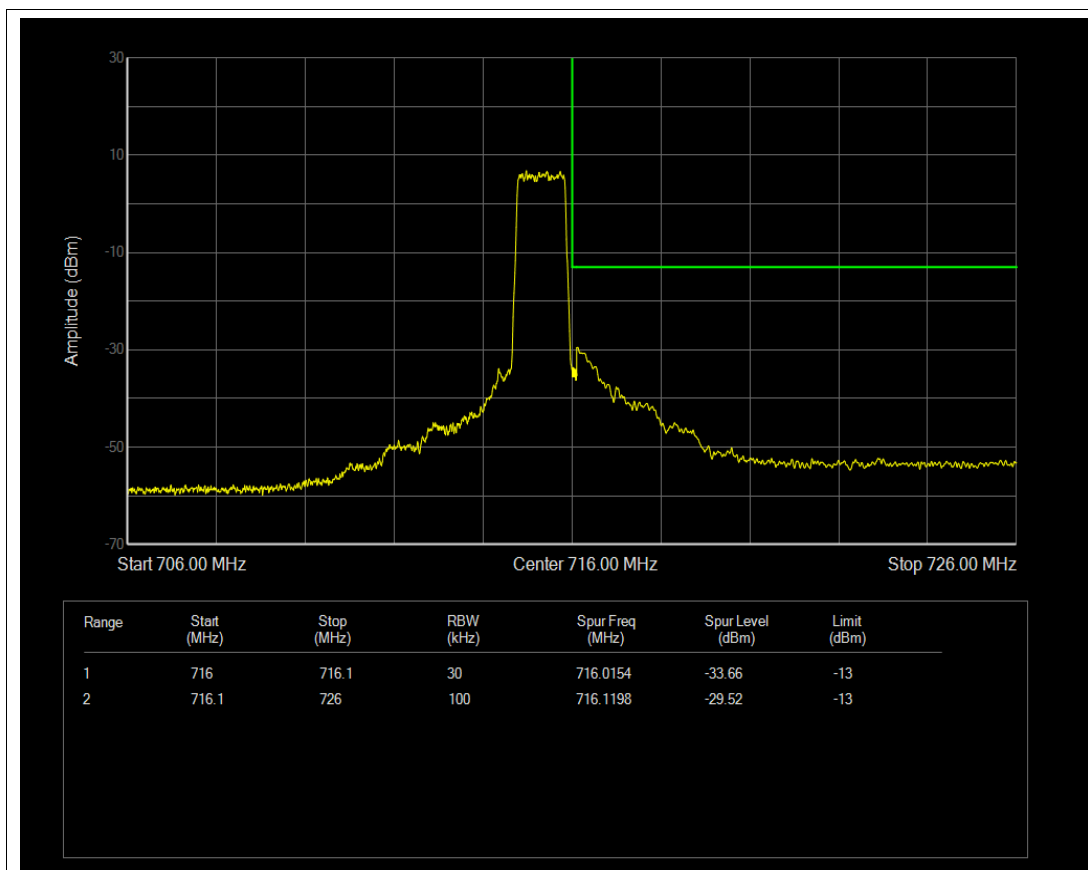




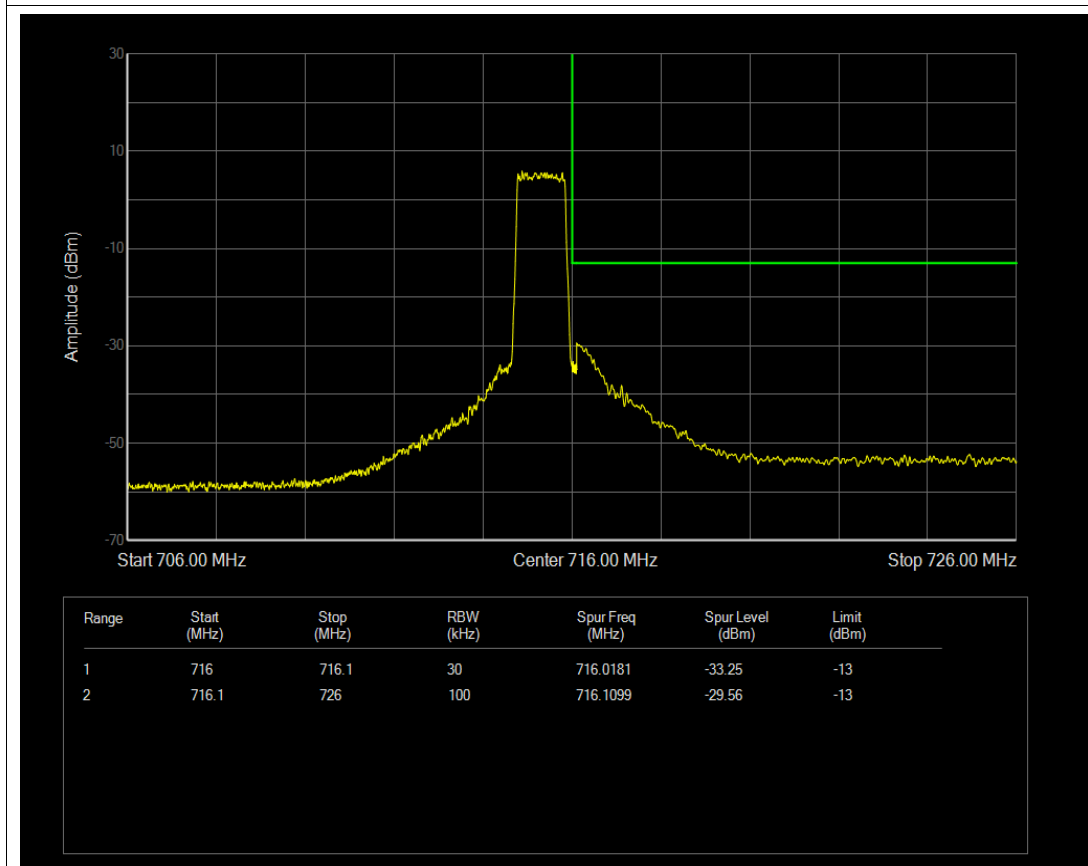
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT



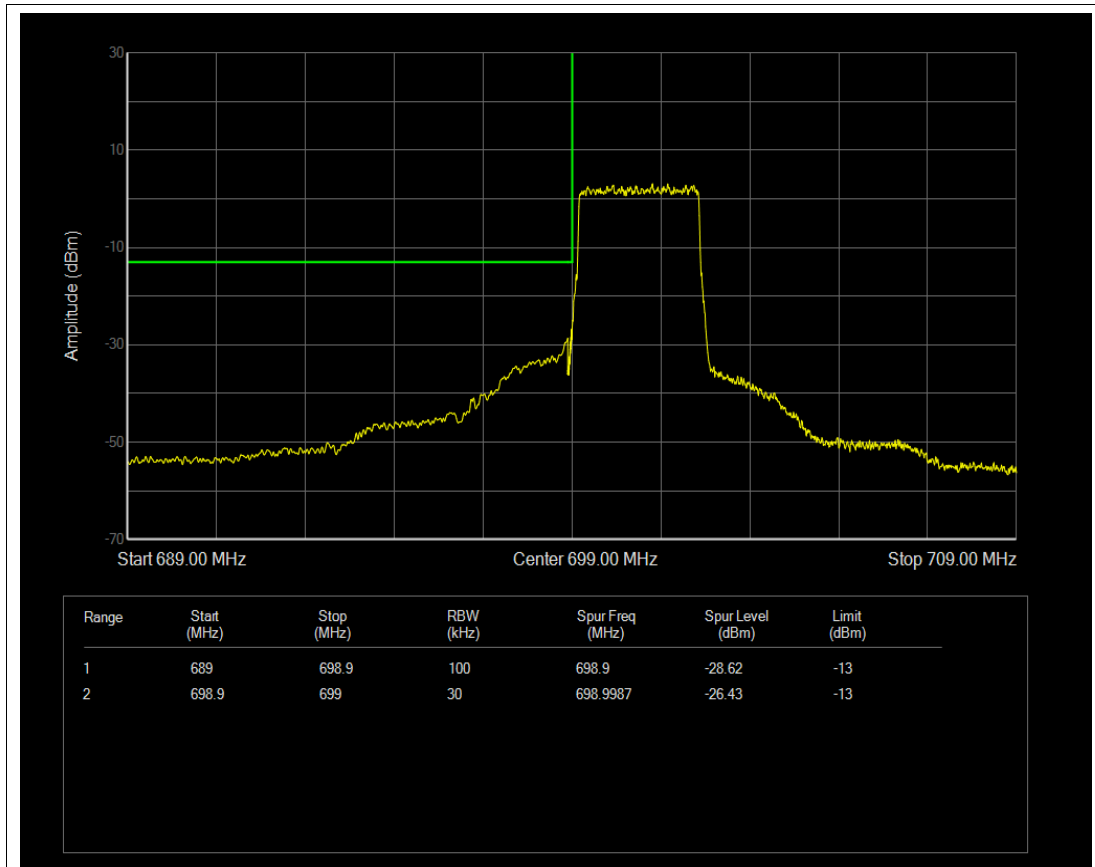
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT



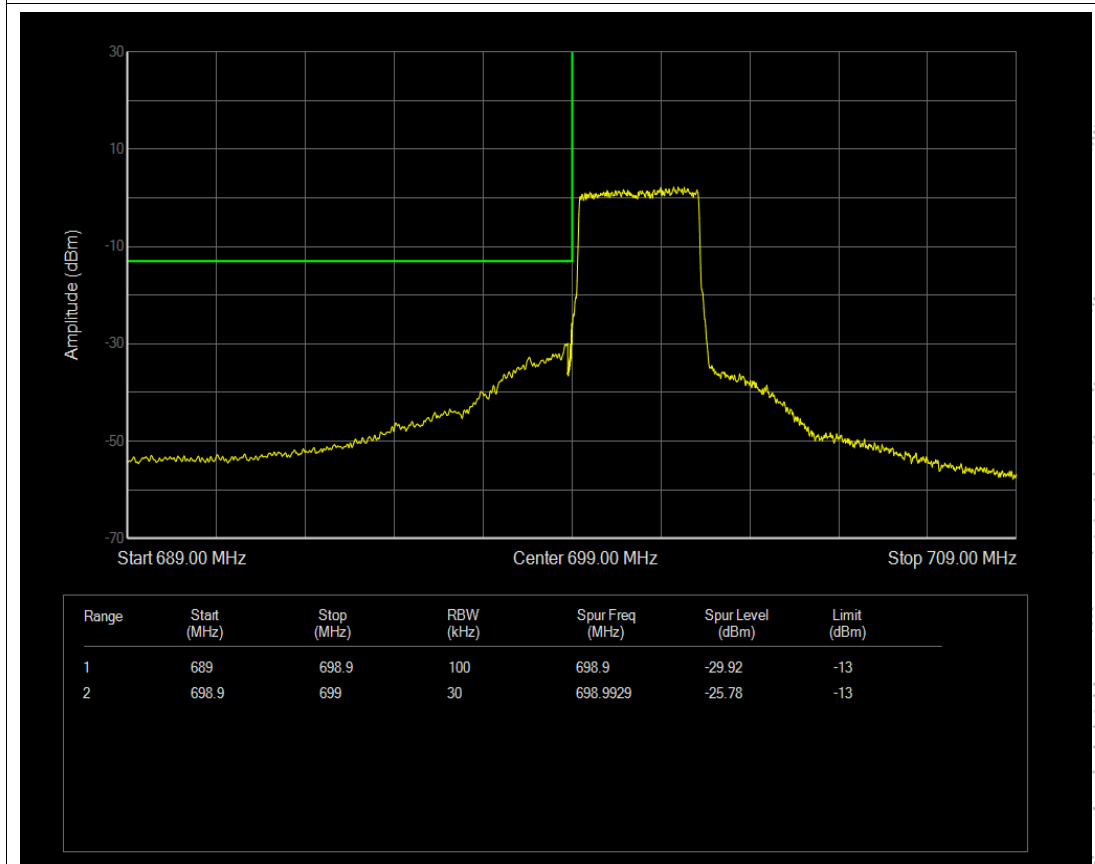
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



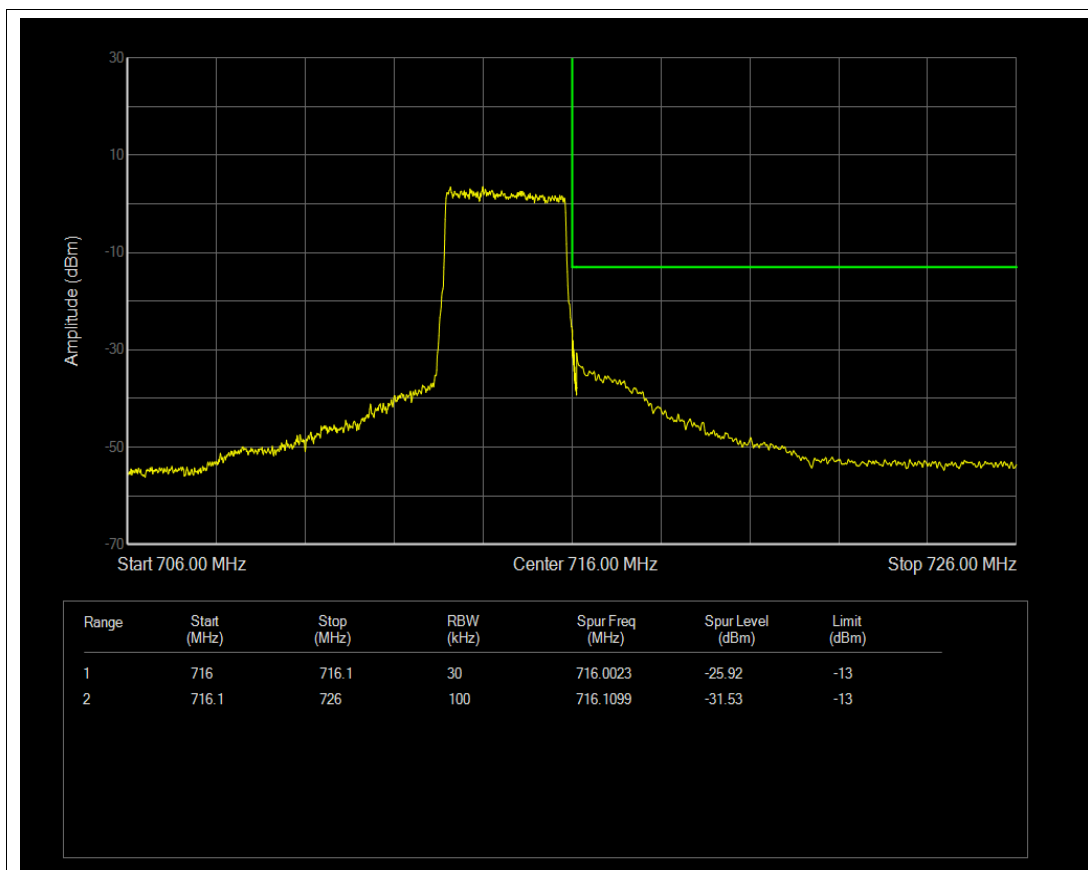
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



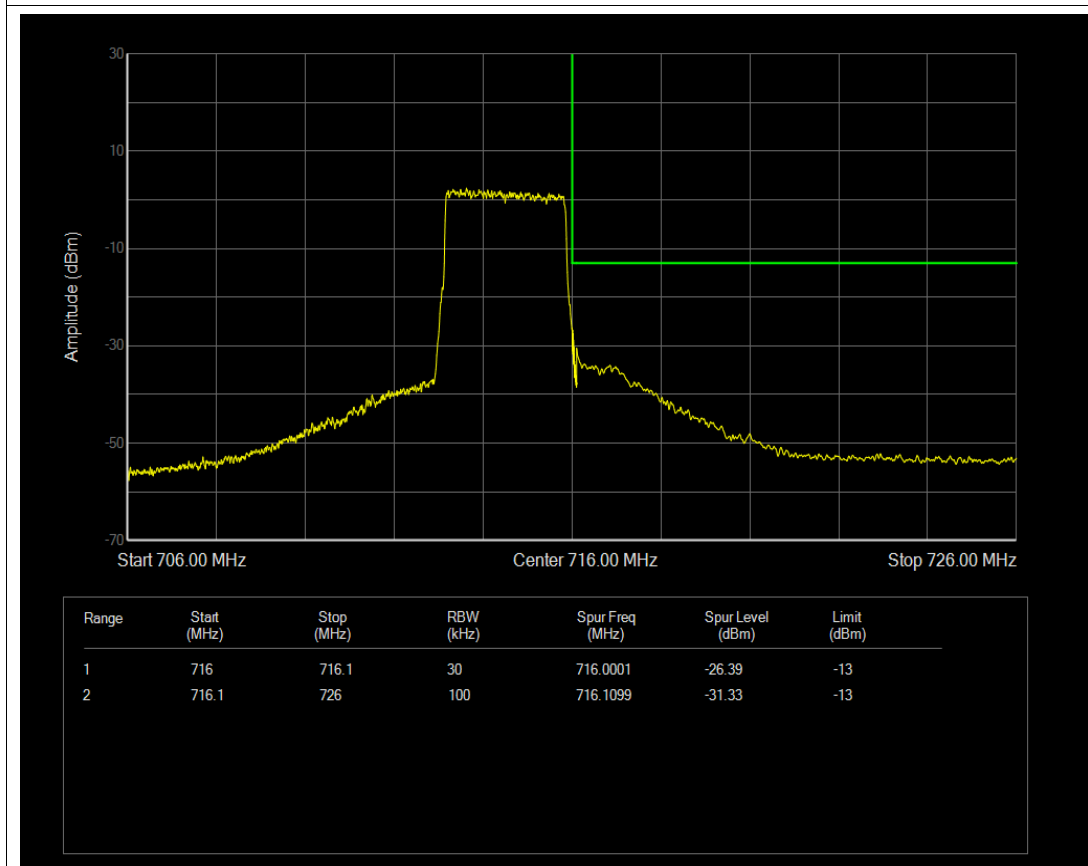
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT



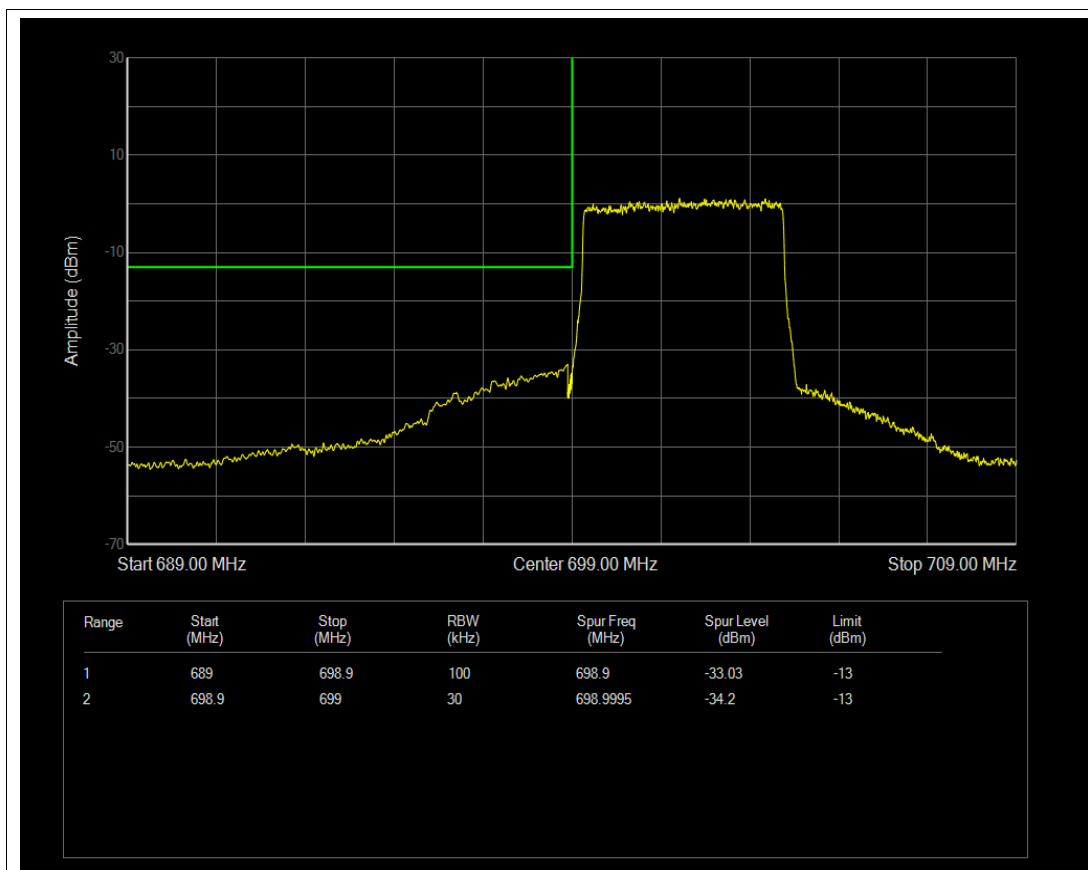
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT



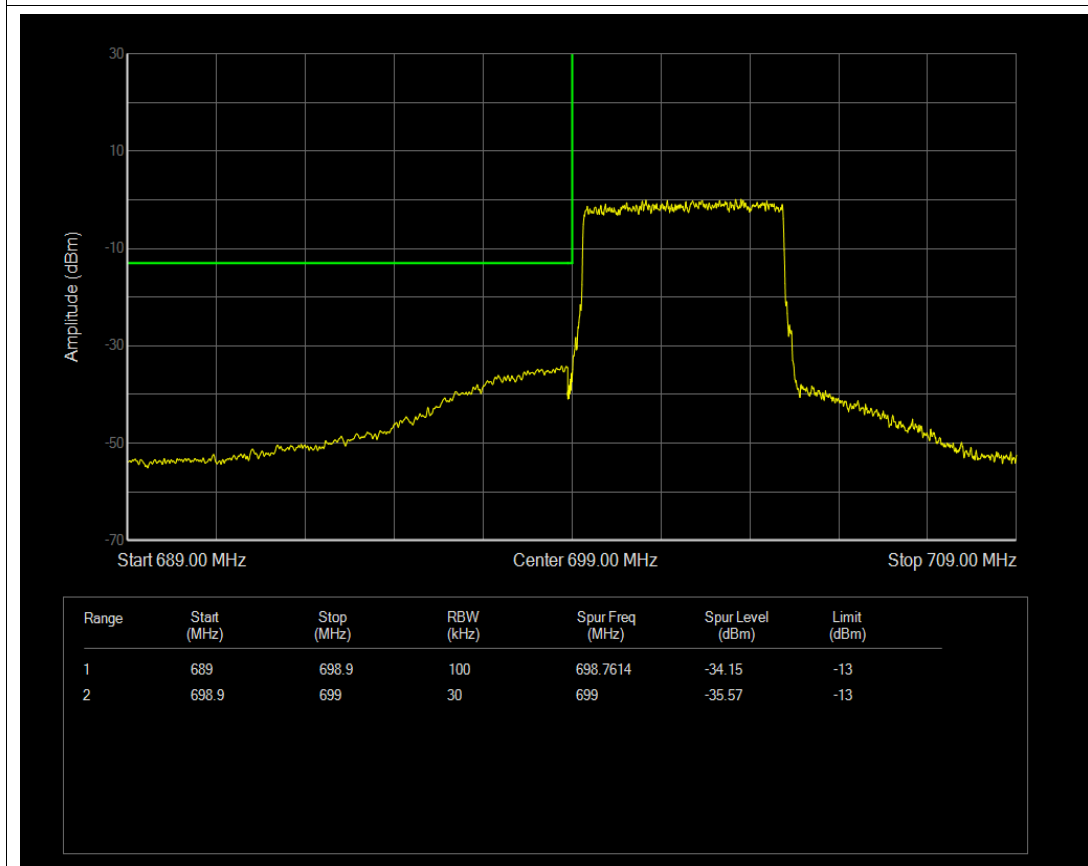
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



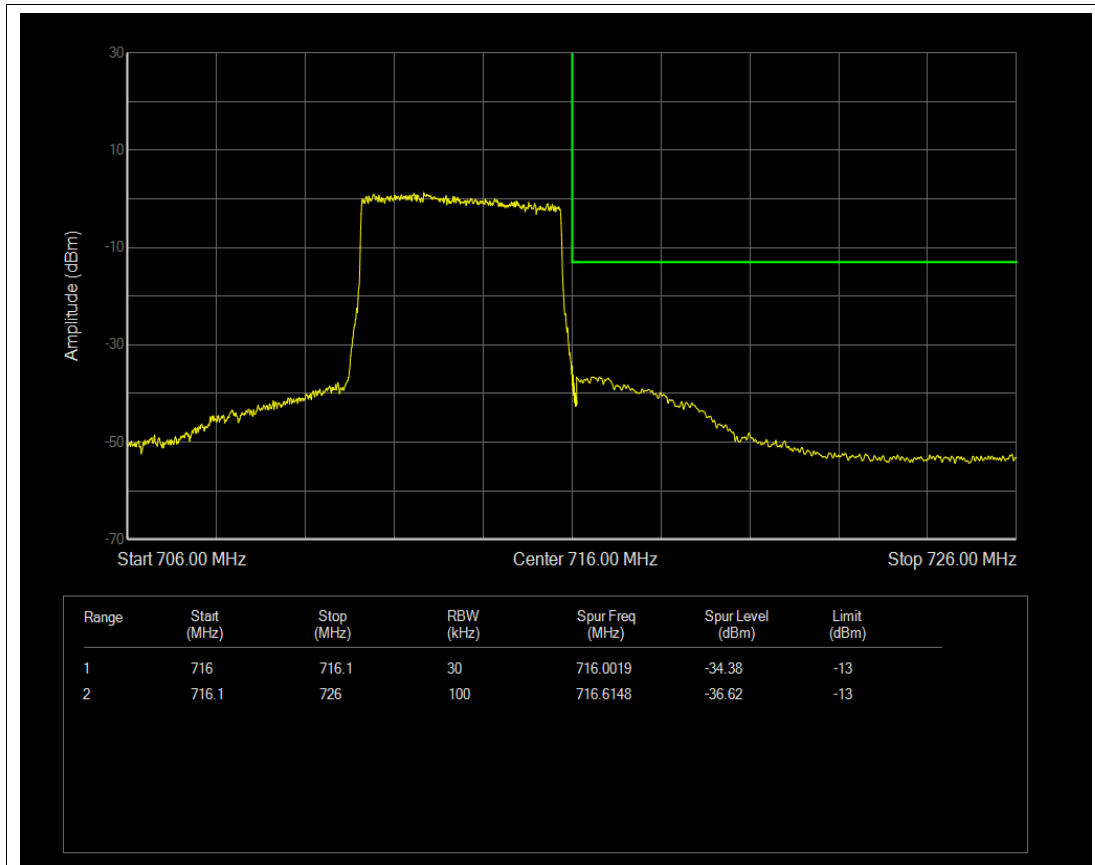
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



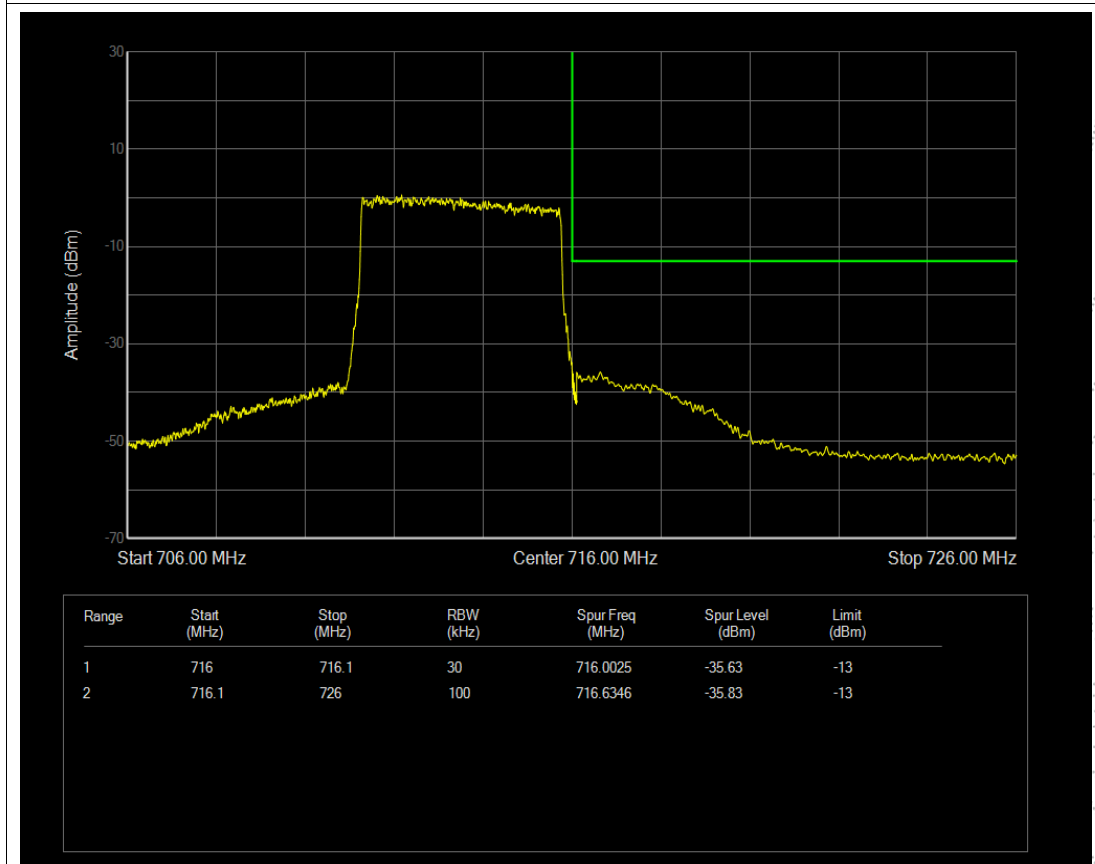
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



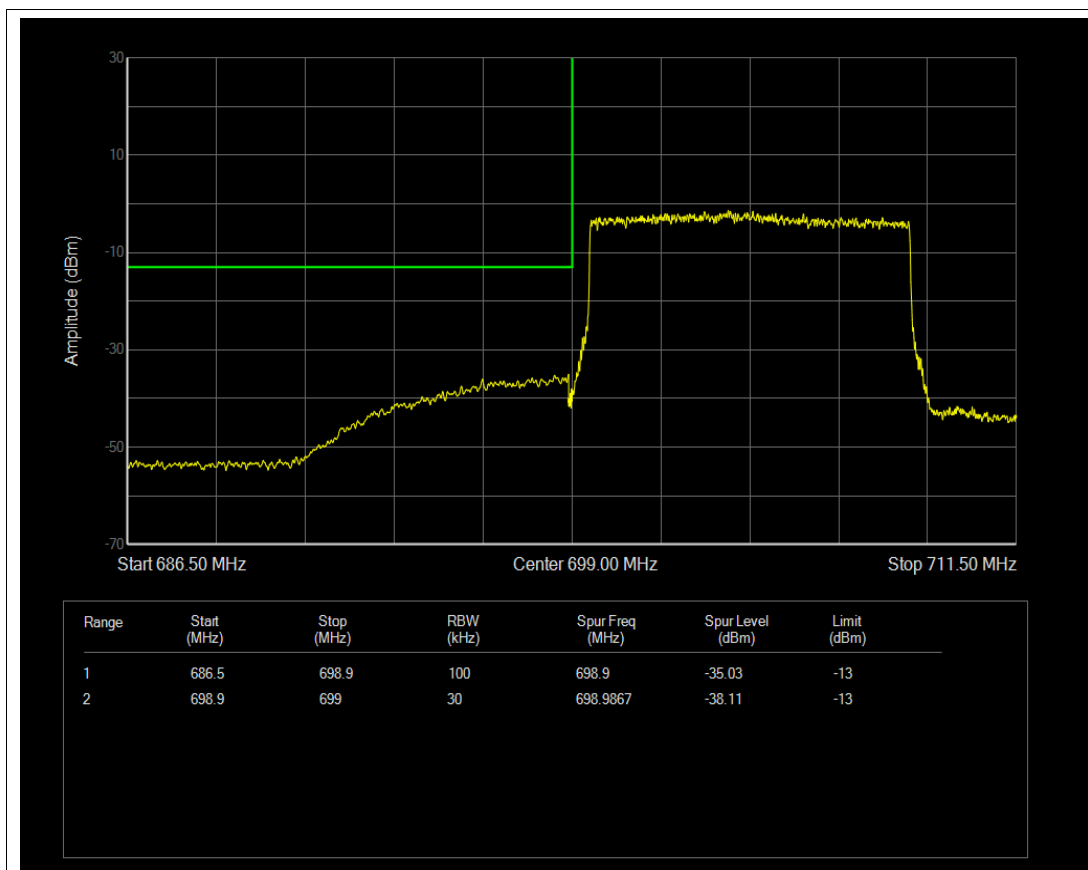
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



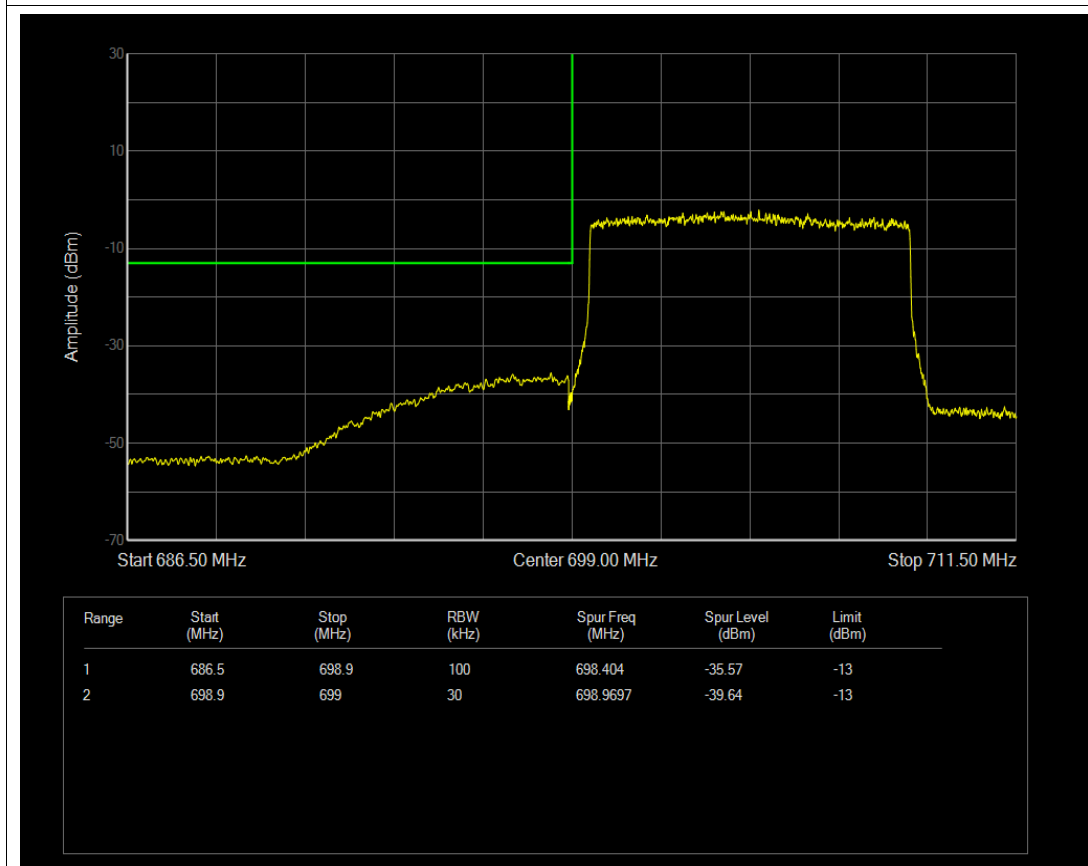
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



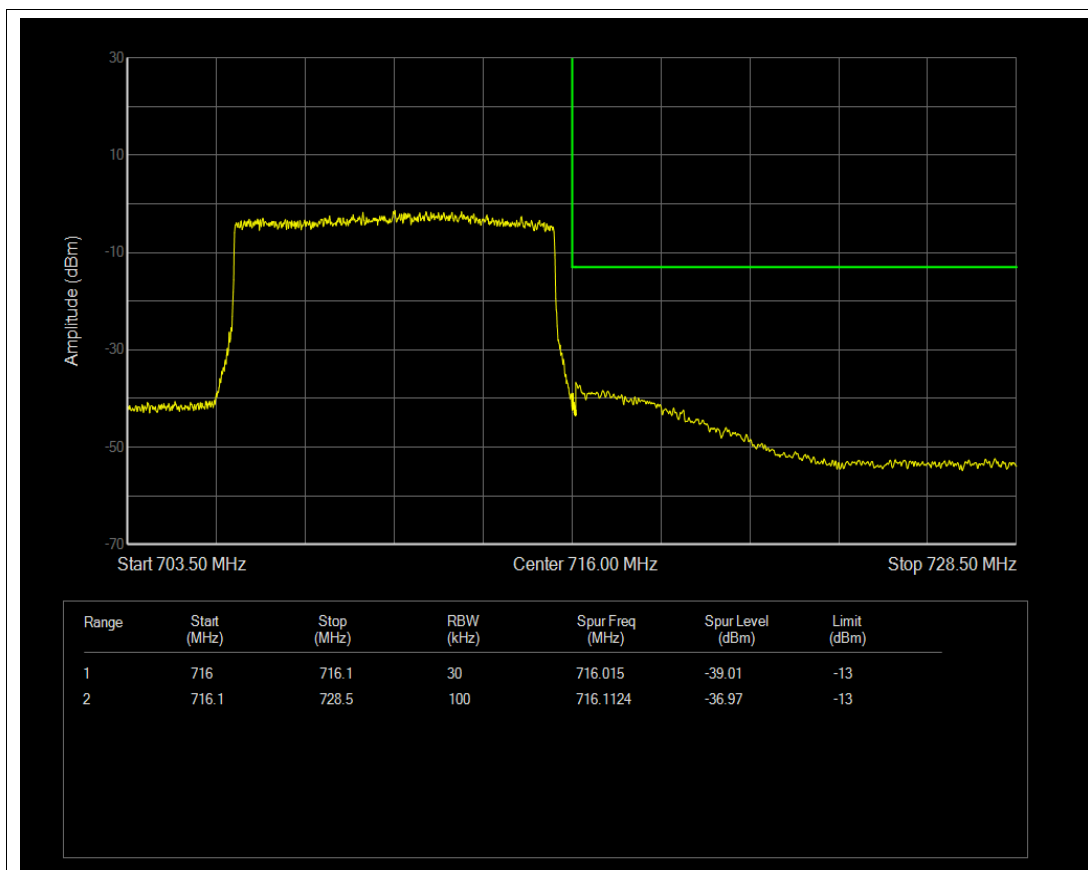
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



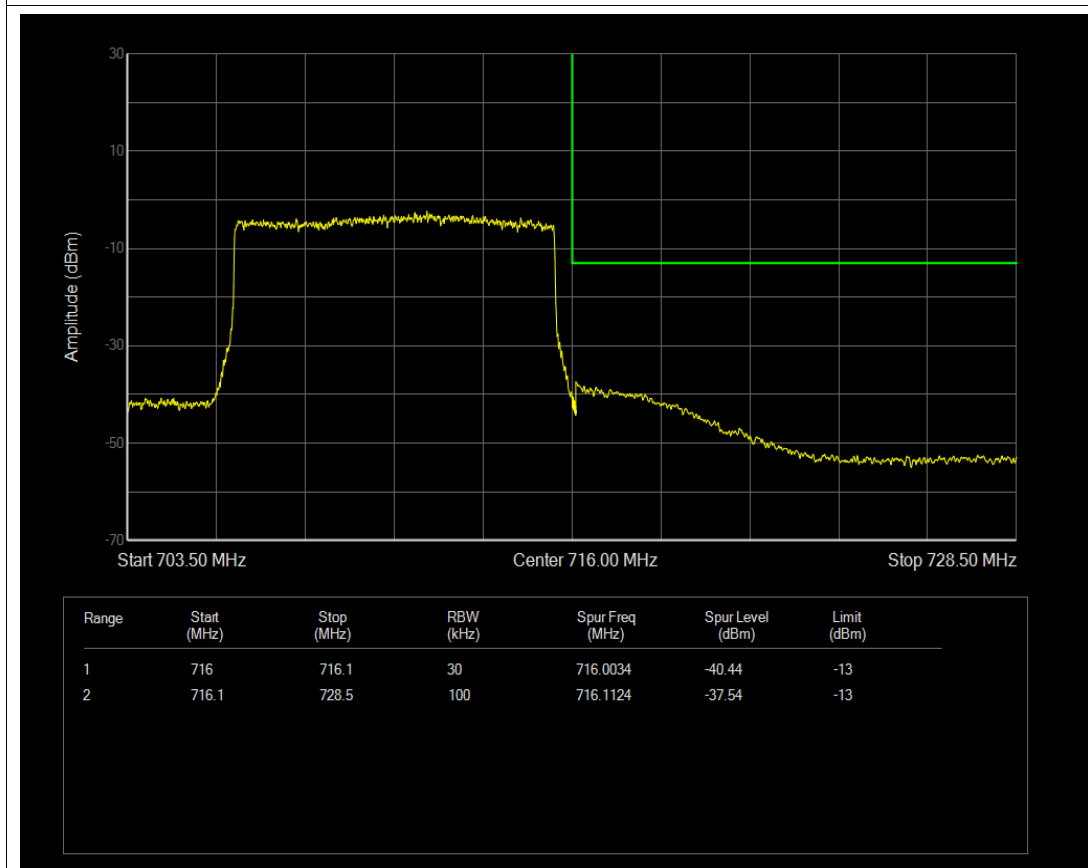
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT



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



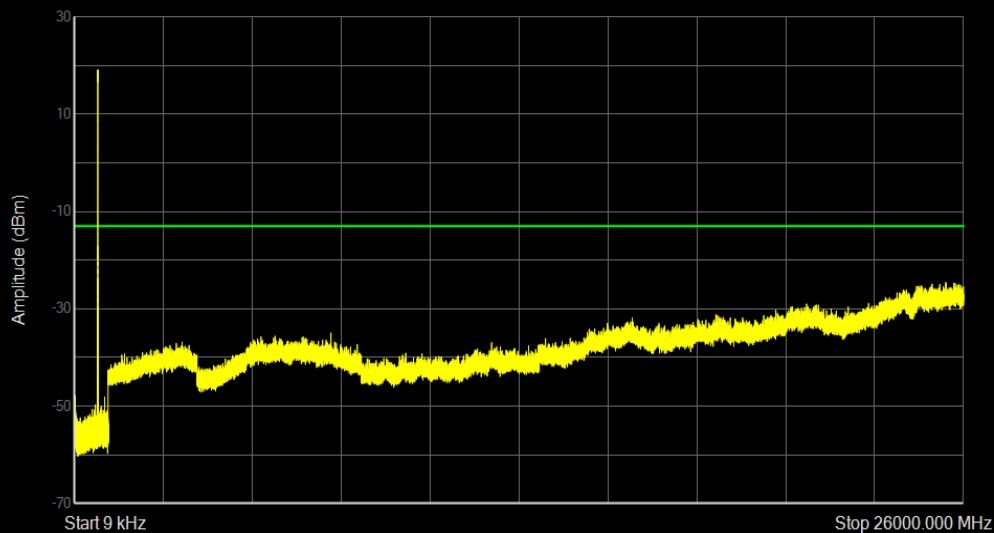
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0 NVNT



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

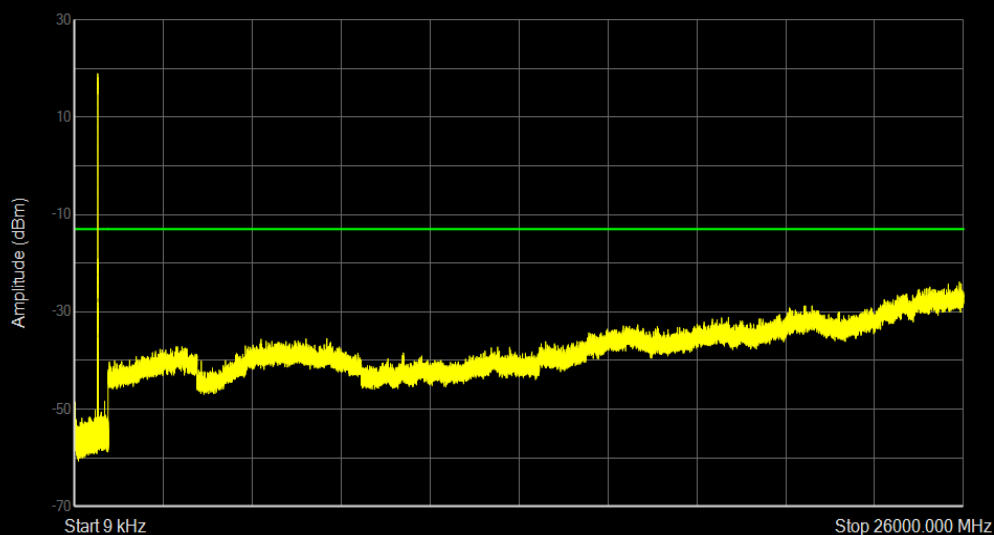
Appendix 6. Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	25479.38	-24.57	-13	PASS
Band12	1.4	23017	6	#0	16QAM	25878.75	-23.88	-13	PASS
Band12	1.4	23095	6	#0	QPSK	25940.63	-23.89	-13	PASS
Band12	1.4	23095	6	#0	16QAM	25743.75	-24.01	-13	PASS
Band12	1.4	23173	6	#0	QPSK	25773.75	-24.30	-13	PASS
Band12	1.4	23173	6	#0	16QAM	25043.75	-24.74	-13	PASS
Band12	3	23025	15	#0	QPSK	25989.38	-23.39	-13	PASS
Band12	3	23025	15	#0	16QAM	25991.88	-22.93	-13	PASS
Band12	3	23095	15	#0	QPSK	25072.50	-23.84	-13	PASS
Band12	3	23095	15	#0	16QAM	25473.13	-24.30	-13	PASS
Band12	3	23165	15	#0	QPSK	25821.88	-23.99	-13	PASS
Band12	3	23165	15	#0	16QAM	25698.13	-24.00	-13	PASS
Band12	5	23035	25	#0	QPSK	25813.13	-24.82	-13	PASS
Band12	5	23035	25	#0	16QAM	25565.00	-24.27	-13	PASS
Band12	5	23095	25	#0	QPSK	25760.63	-24.72	-13	PASS
Band12	5	23095	25	#0	16QAM	25748.75	-24.29	-13	PASS
Band12	5	23155	25	#0	QPSK	25781.88	-24.60	-13	PASS
Band12	5	23155	25	#0	16QAM	25152.50	-24.33	-13	PASS
Band12	10	23060	50	#0	QPSK	25961.25	-24.38	-13	PASS
Band12	10	23060	50	#0	16QAM	25196.88	-24.12	-13	PASS
Band12	10	23095	50	#0	QPSK	25070.63	-23.83	-13	PASS
Band12	10	23095	50	#0	16QAM	25908.13	-24.12	-13	PASS
Band12	10	23130	50	#0	QPSK	25080.63	-24.08	-13	PASS
Band12	10	23130	50	#0	16QAM	25783.75	-23.99	-13	PASS



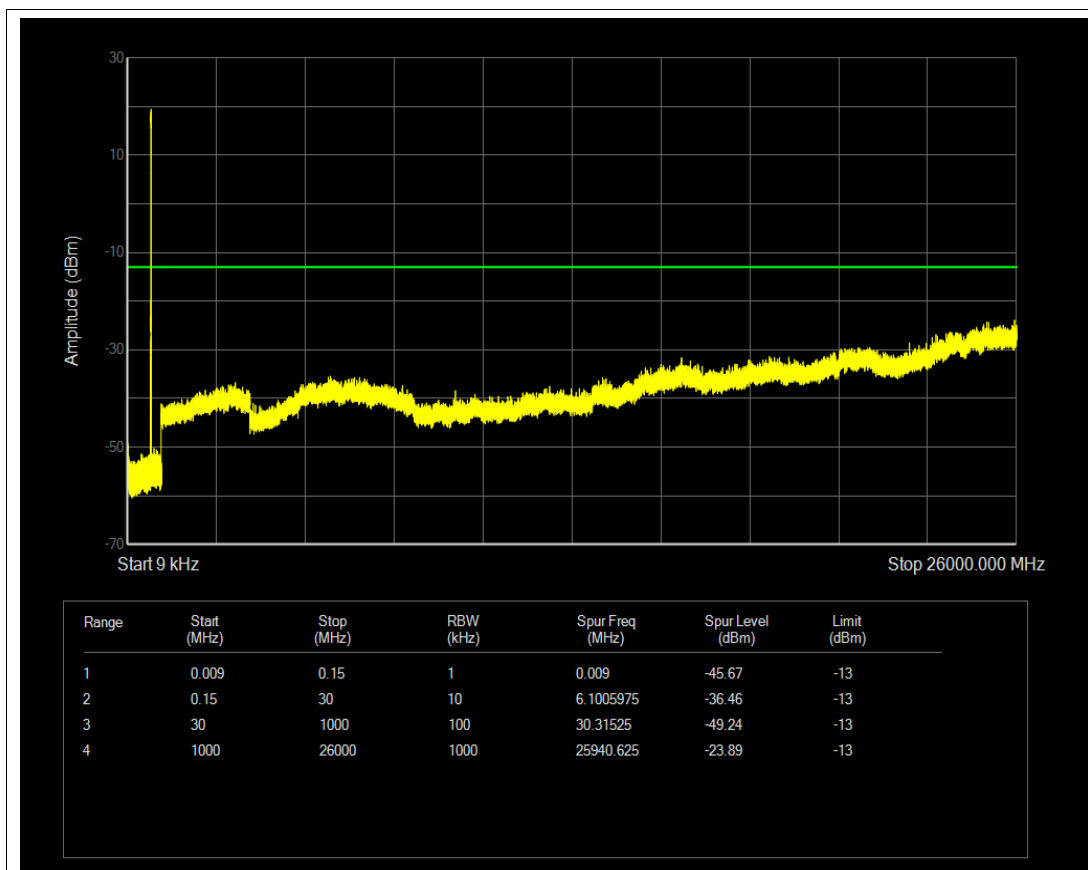
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0111996	-46.2	-13
2	0.15	30	10	6.12074625	-36.59	-13
3	30	1000	100	30.26675	-47.83	-13
4	1000	26000	1000	25479.375	-24.57	-13

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

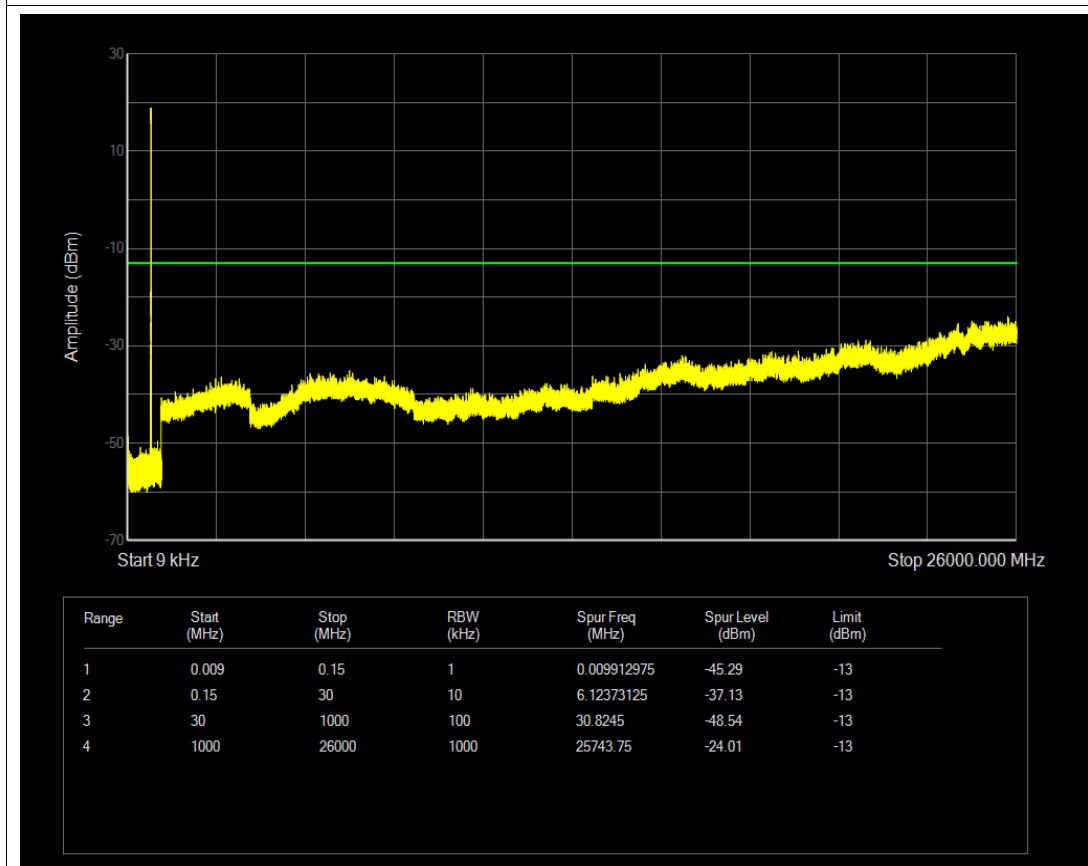


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.116551275	-46.62	-13
2	0.15	30	10	6.5035725	-37.6	-13
3	30	1000	100	900.0415	-48.4	-13
4	1000	26000	1000	25878.75	-23.88	-13

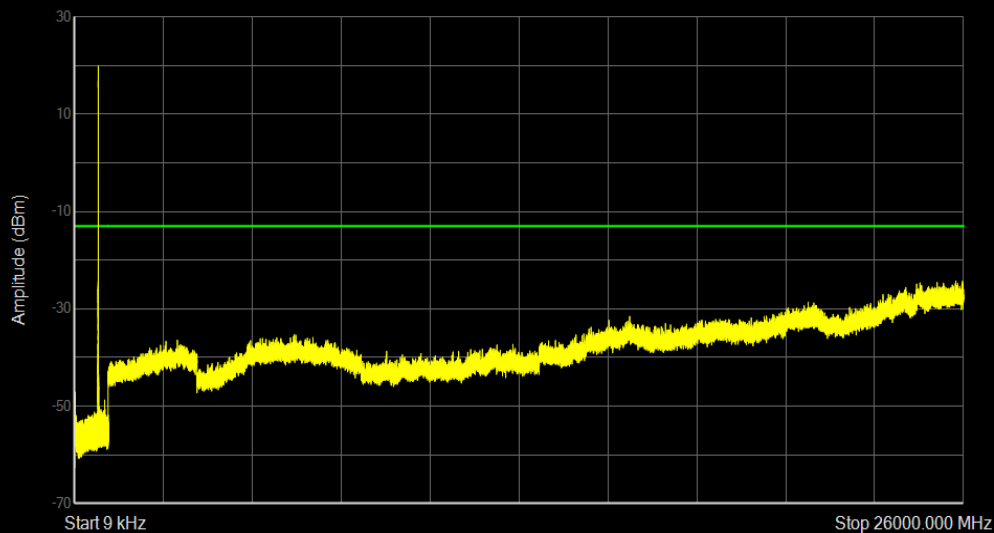
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT



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

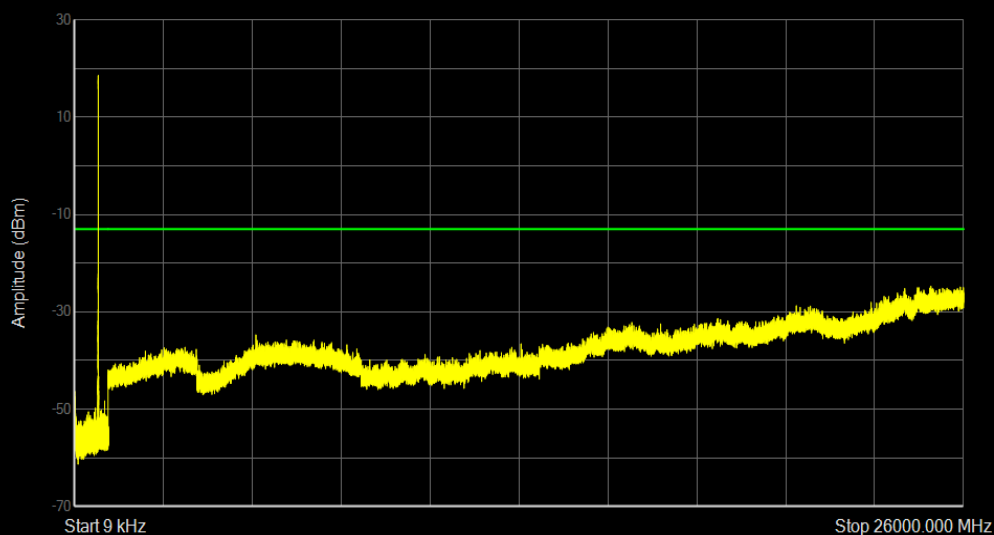


Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT



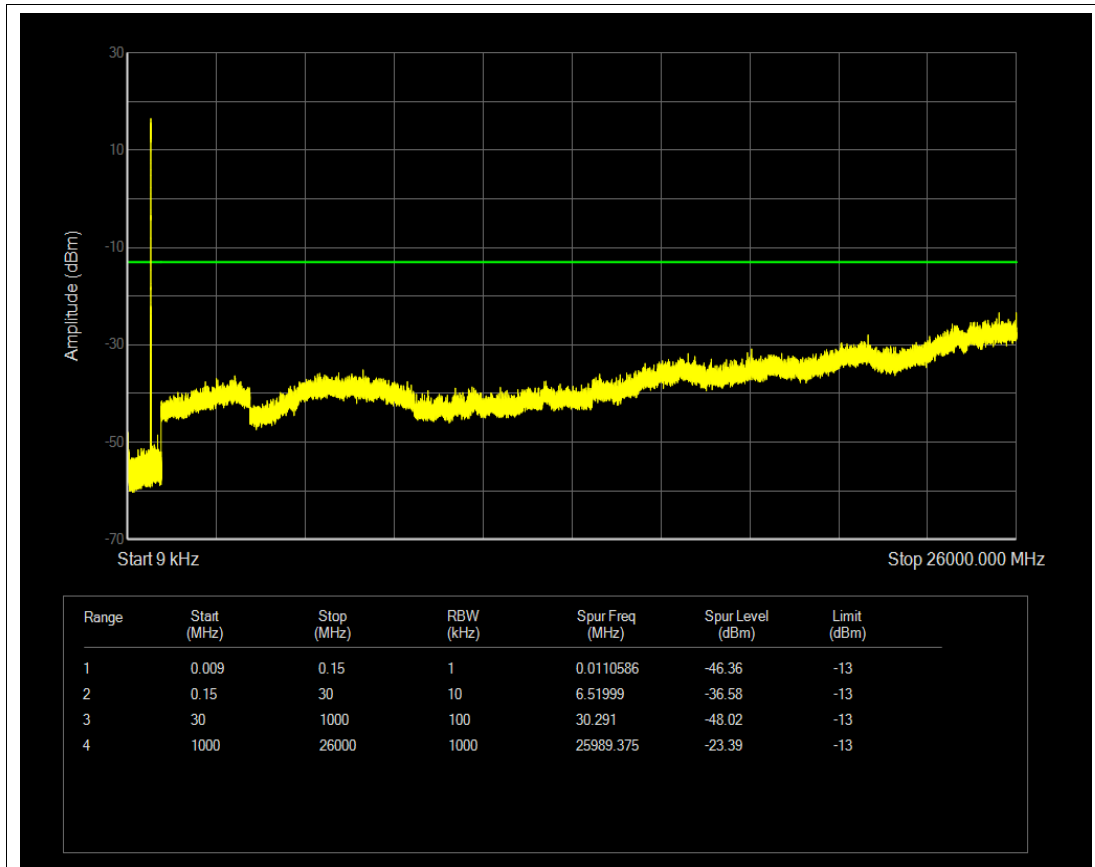
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11577225	-47.1	-13
2	0.15	30	10	6.44760375	-37.08	-13
3	30	1000	100	30.776	-47.1	-13
4	1000	26000	1000	25773.75	-24.3	-13

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

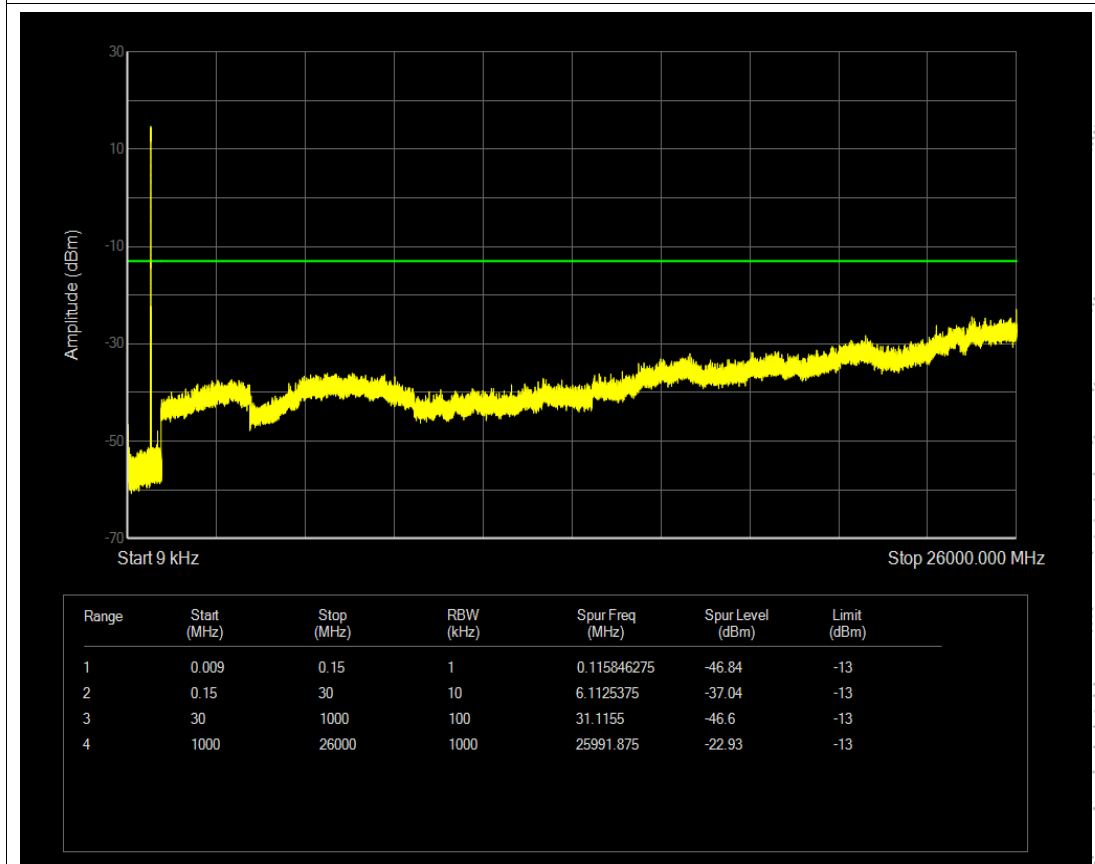


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11736555	-46.19	-13
2	0.15	30	10	6.13417875	-36.43	-13
3	30	1000	100	30.26675	-46.41	-13
4	1000	26000	1000	25043.75	-24.74	-13

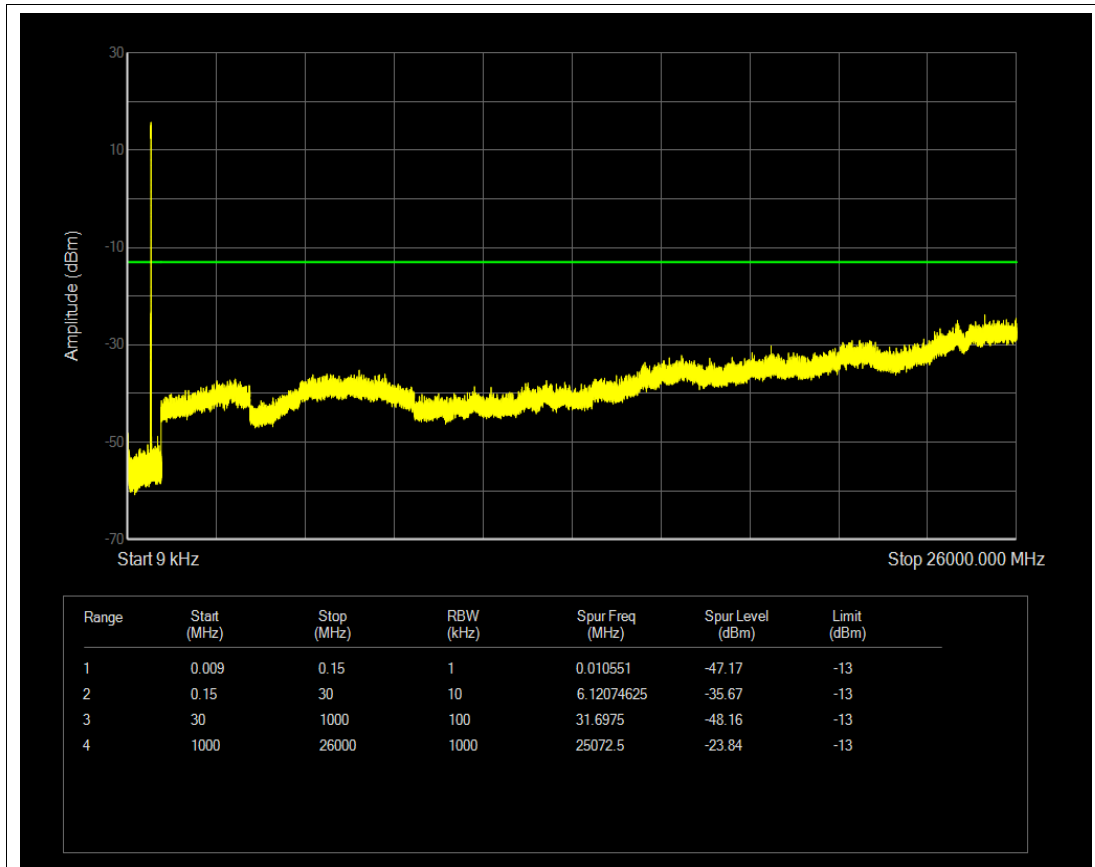
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



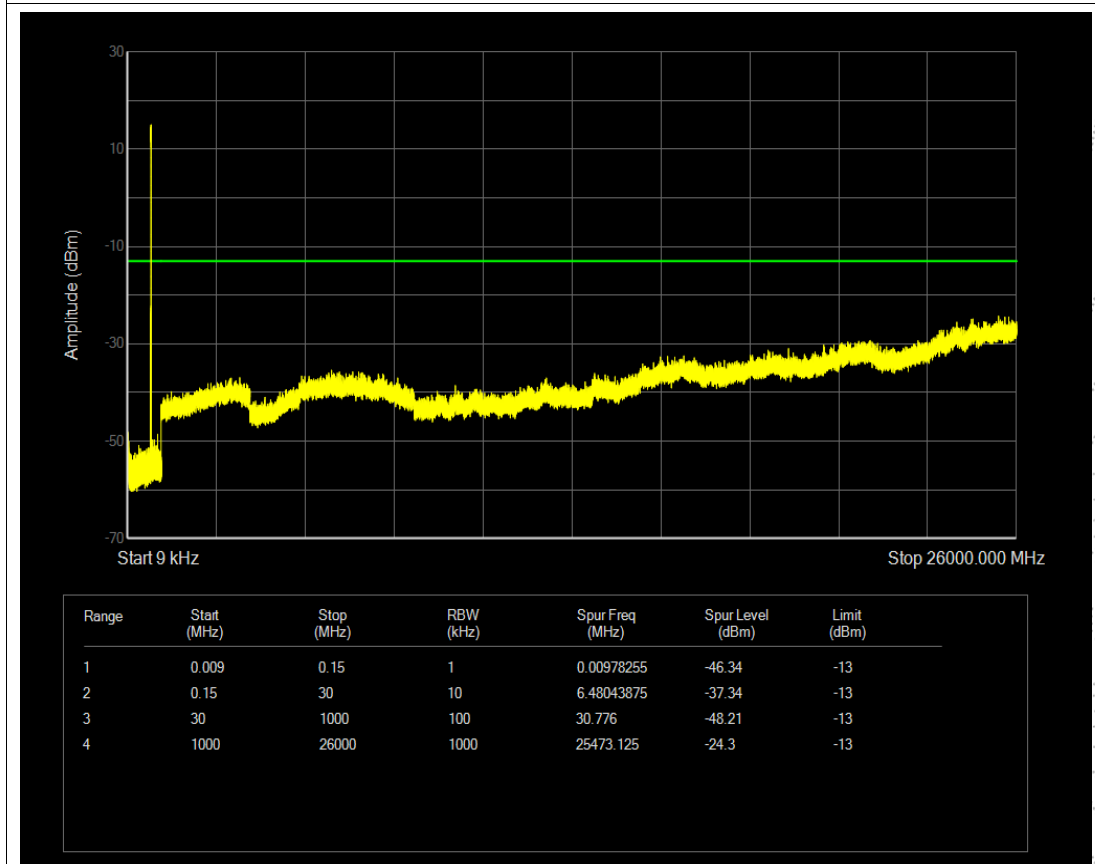
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT



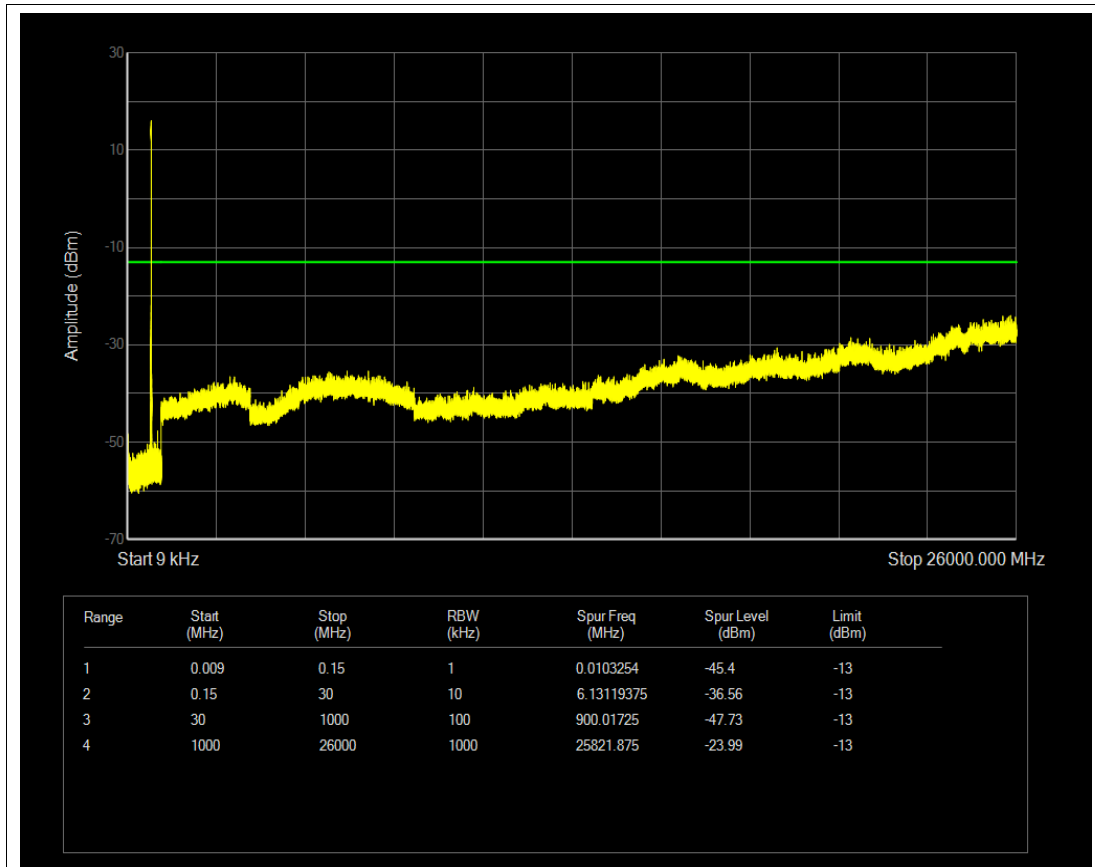
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT



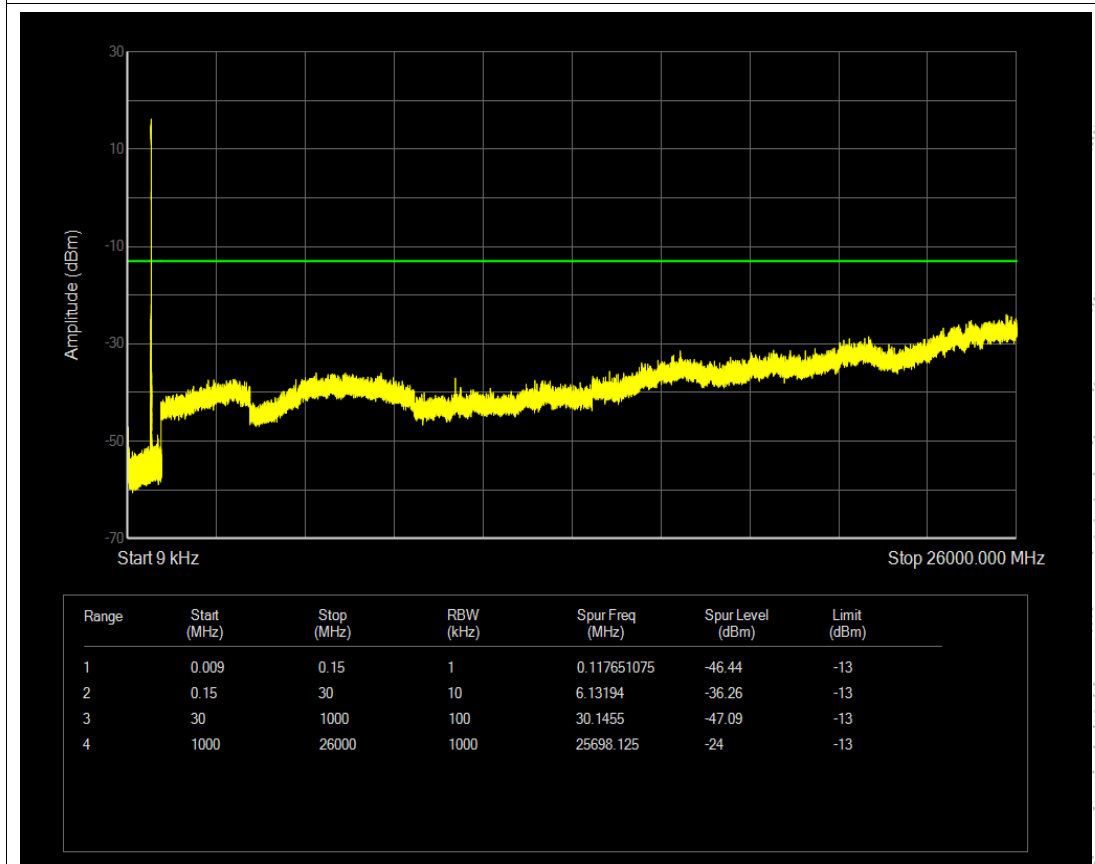
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT



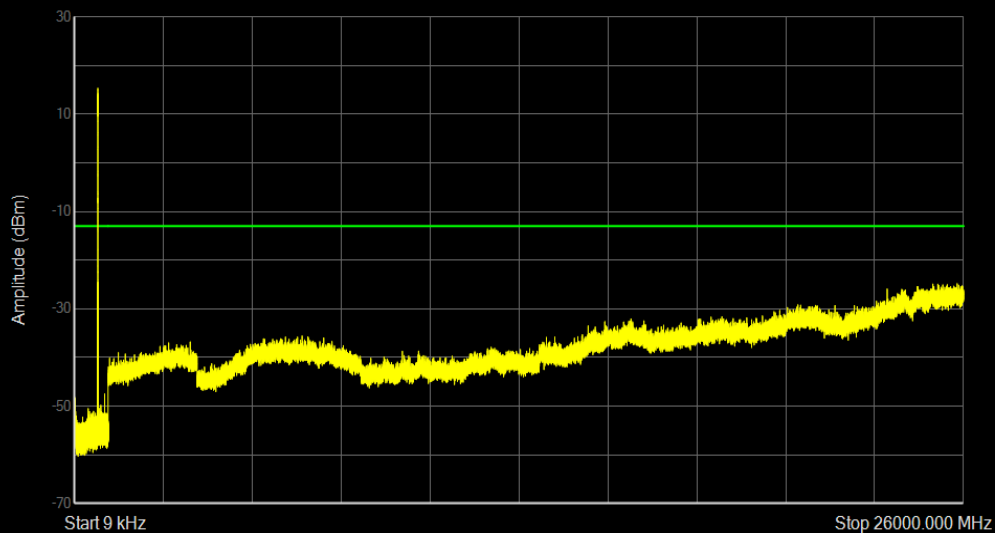
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT



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

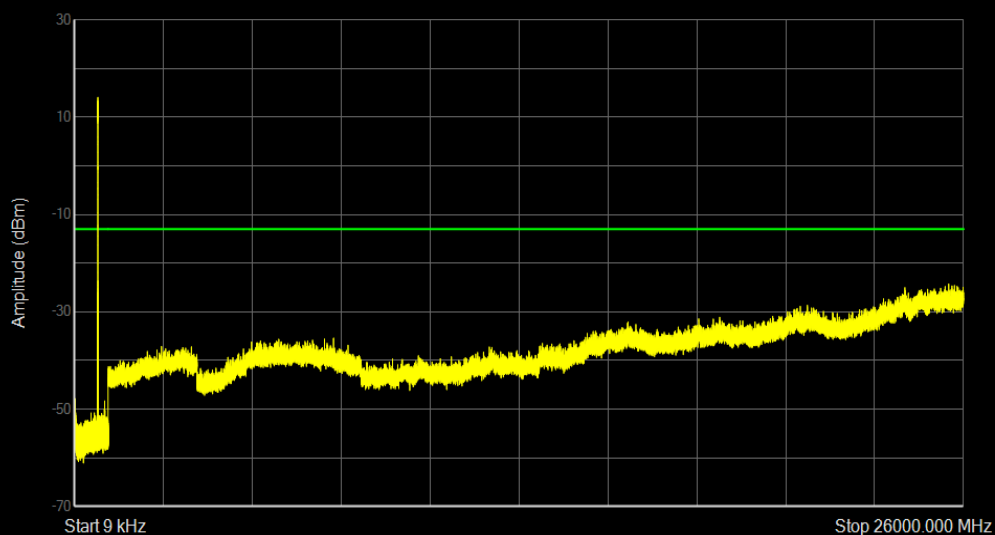


Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



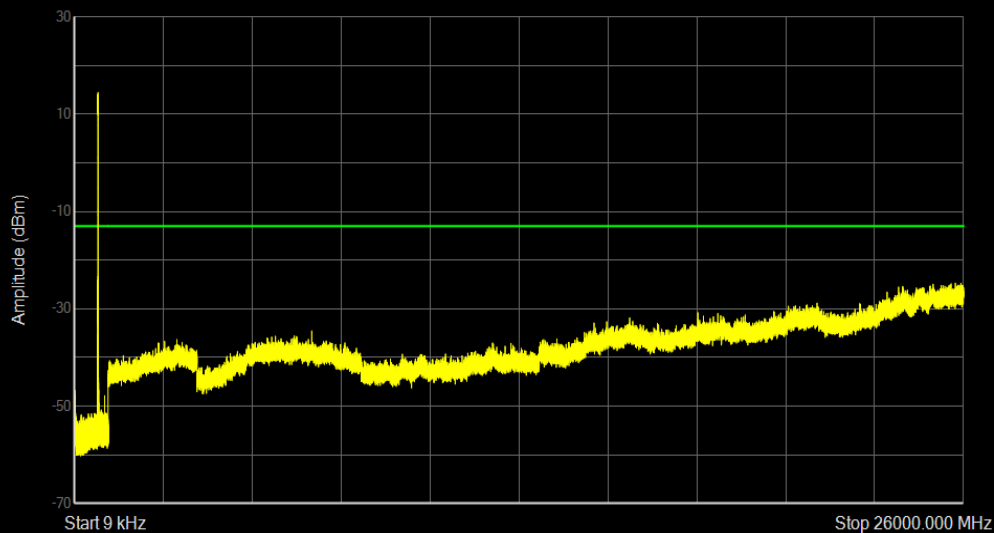
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0094794	-46.32	-13
2	0.15	30	10	6.13119375	-35.49	-13
3	30	1000	100	900.01725	-47.52	-13
4	1000	26000	1000	25813.125	-24.82	-13

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



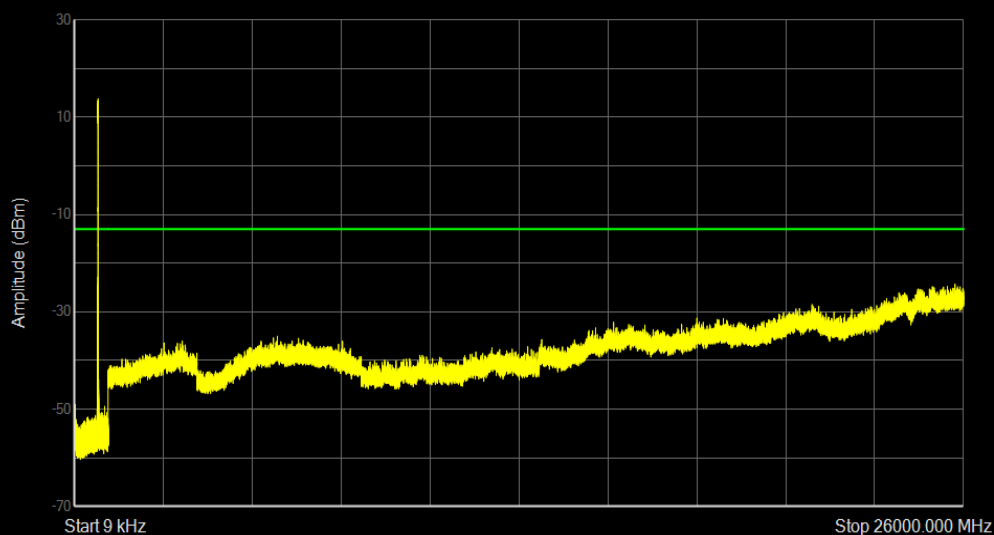
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.116149425	-47.13	-13
2	0.15	30	10	6.1125375	-37.23	-13
3	30	1000	100	30.679	-47.83	-13
4	1000	26000	1000	25565	-24.27	-13

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



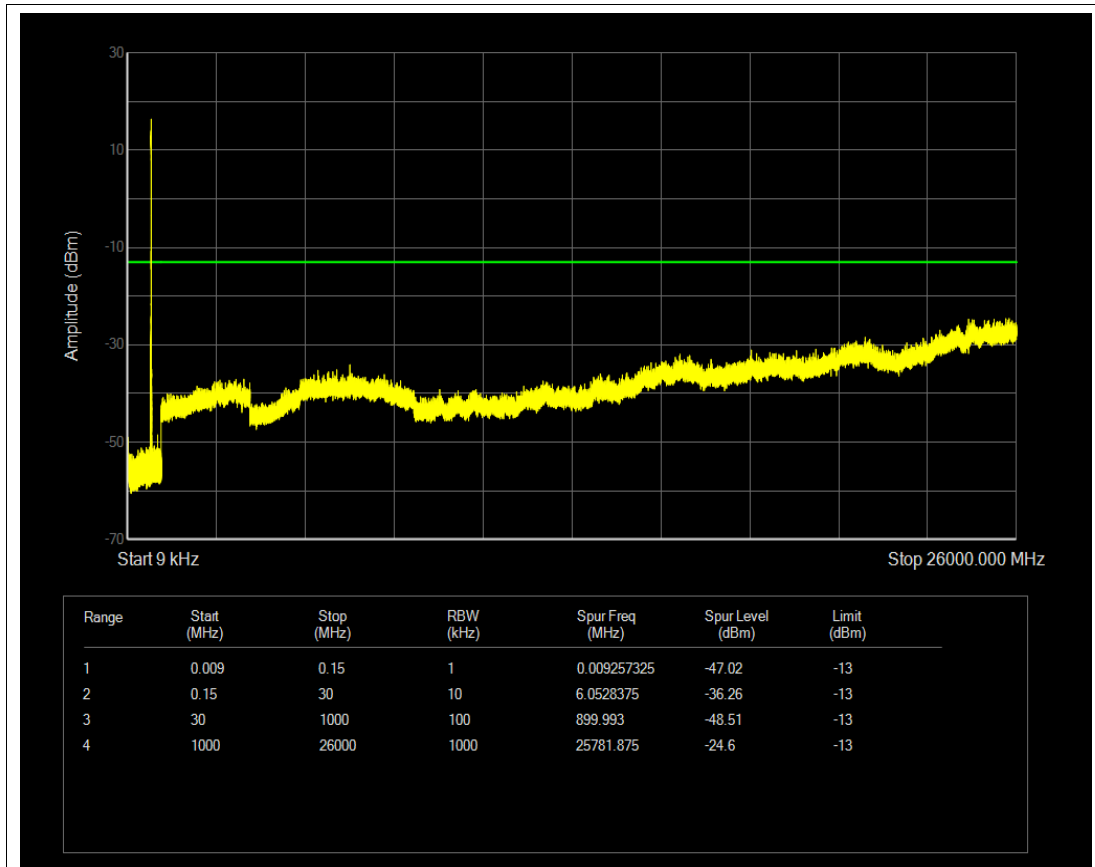
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00903525	-45.92	-13
2	0.15	30	10	6.1185075	-35.82	-13
3	30	1000	100	30.485	-46.74	-13
4	1000	26000	1000	25760.625	-24.72	-13

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

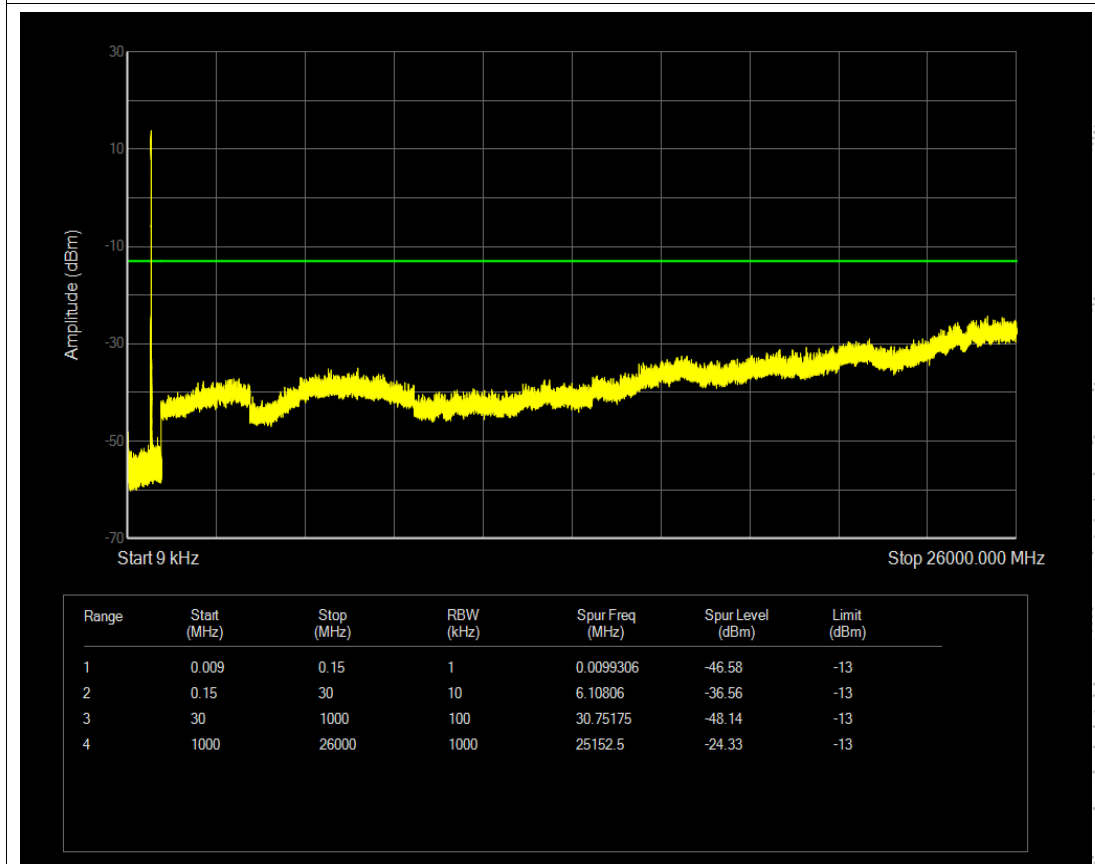


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009363075	-46.85	-13
2	0.15	30	10	6.49387125	-36.98	-13
3	30	1000	100	30.60625	-49.02	-13
4	1000	26000	1000	25748.75	-24.29	-13

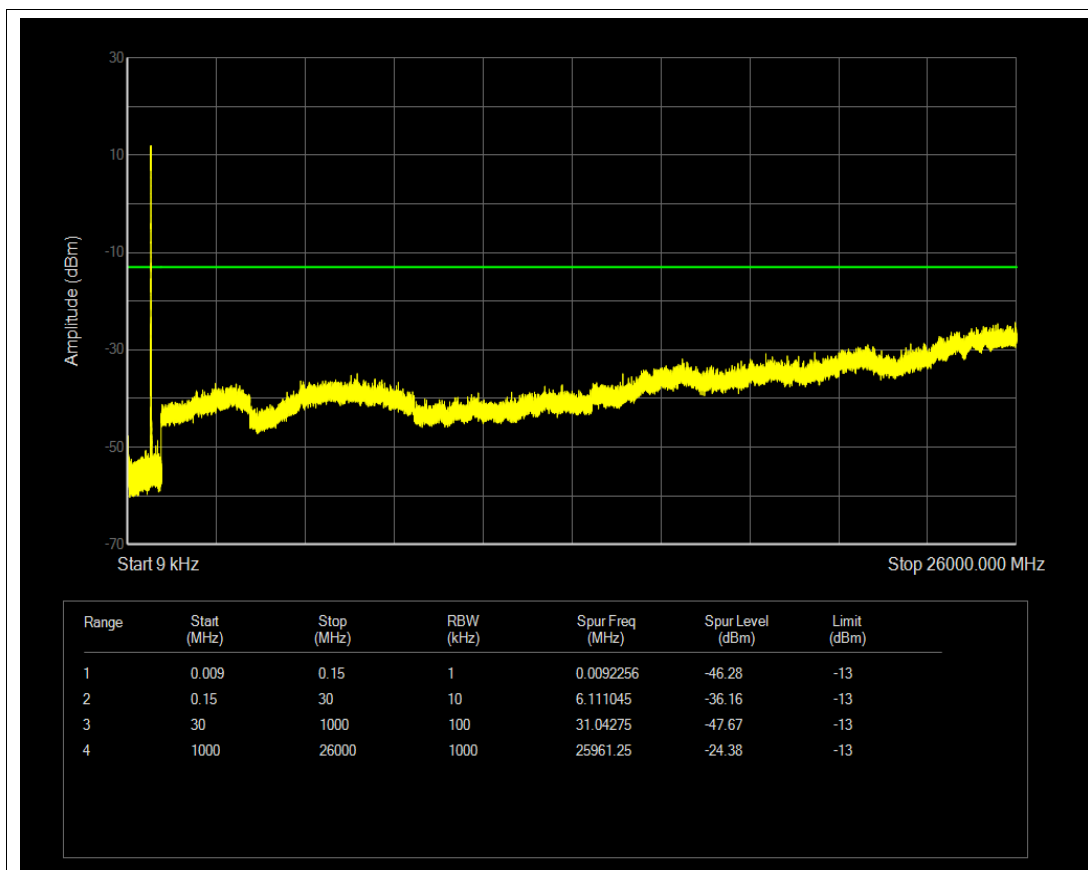
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT



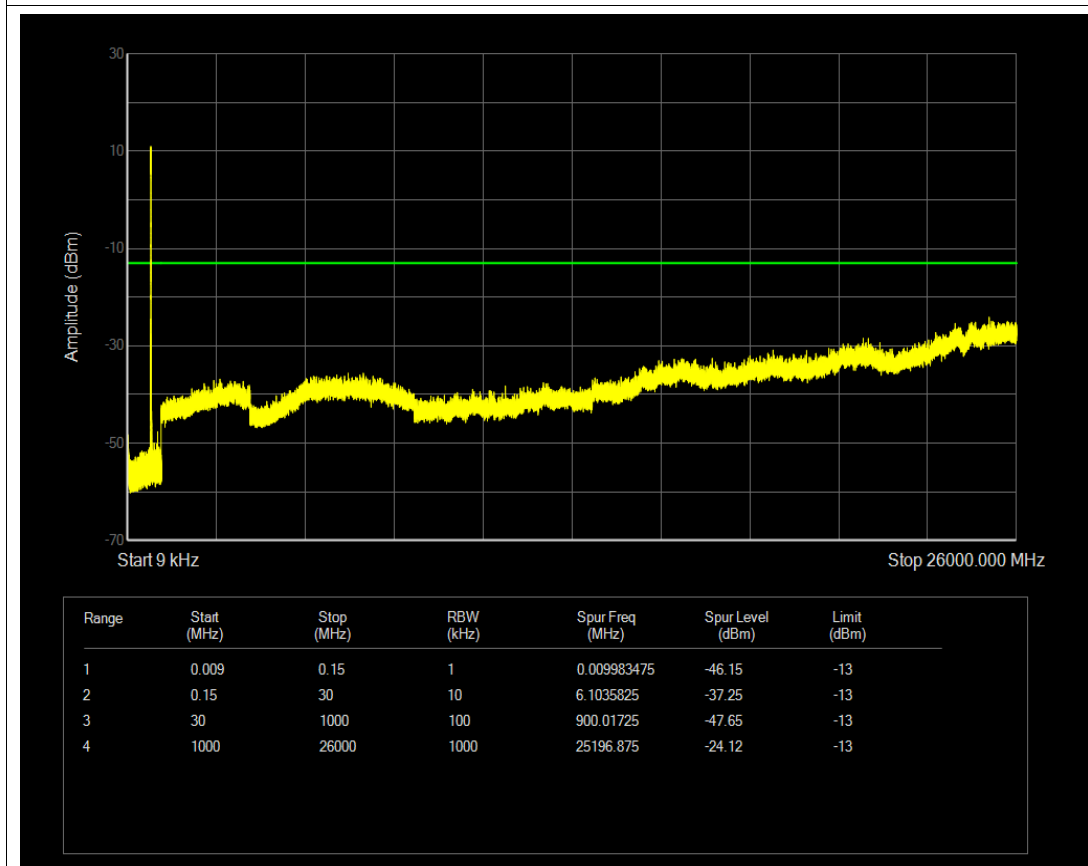
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



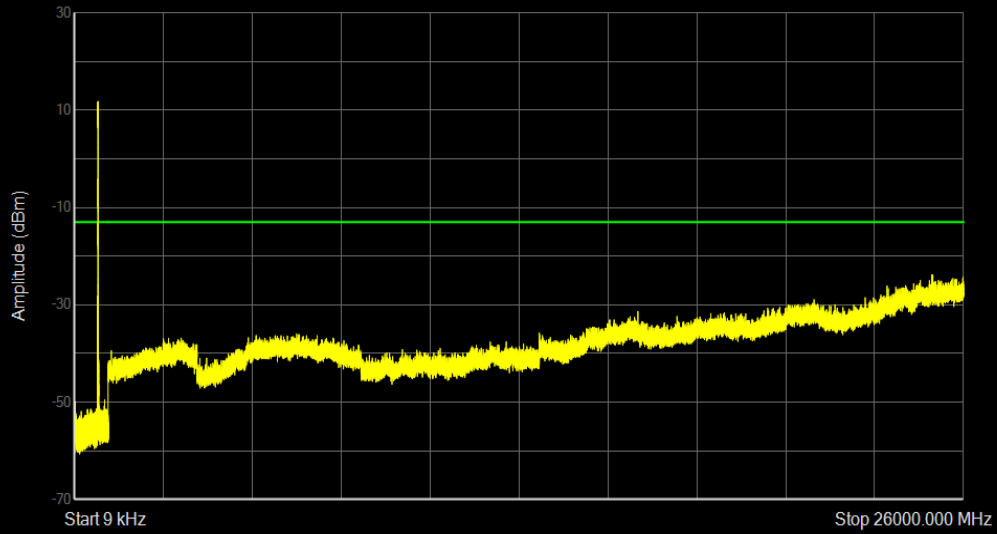
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



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

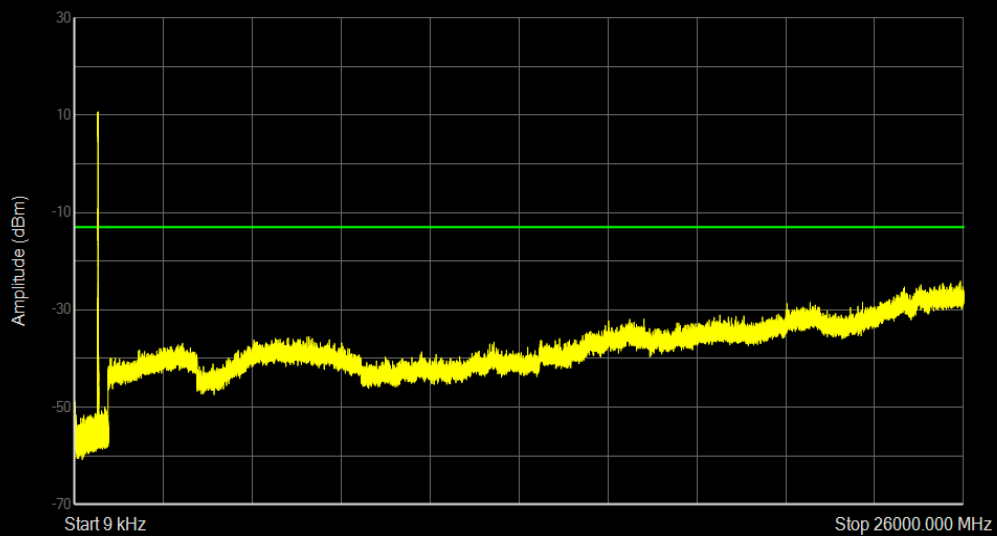


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT



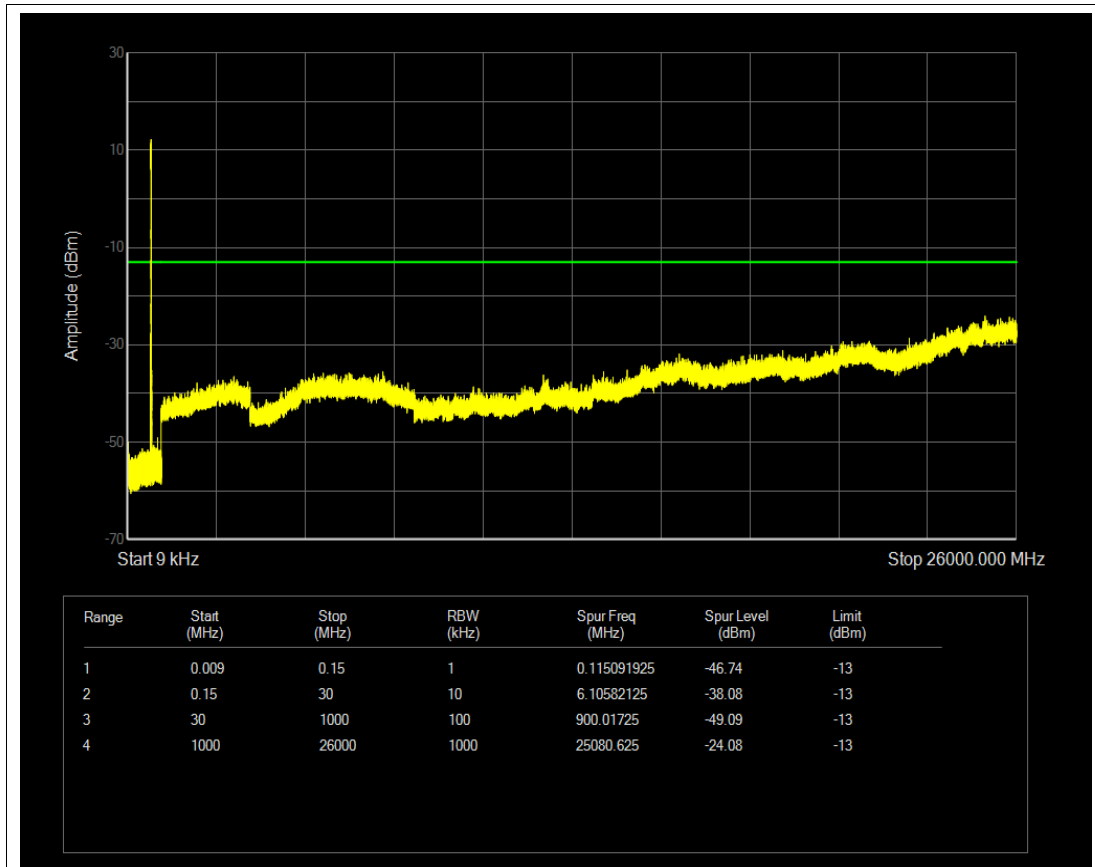
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009870675	-46.03	-13
2	0.15	30	10	6.4647675	-37.13	-13
3	30	1000	100	899.9445	-49.55	-13
4	1000	26000	1000	25070.625	-23.83	-13

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

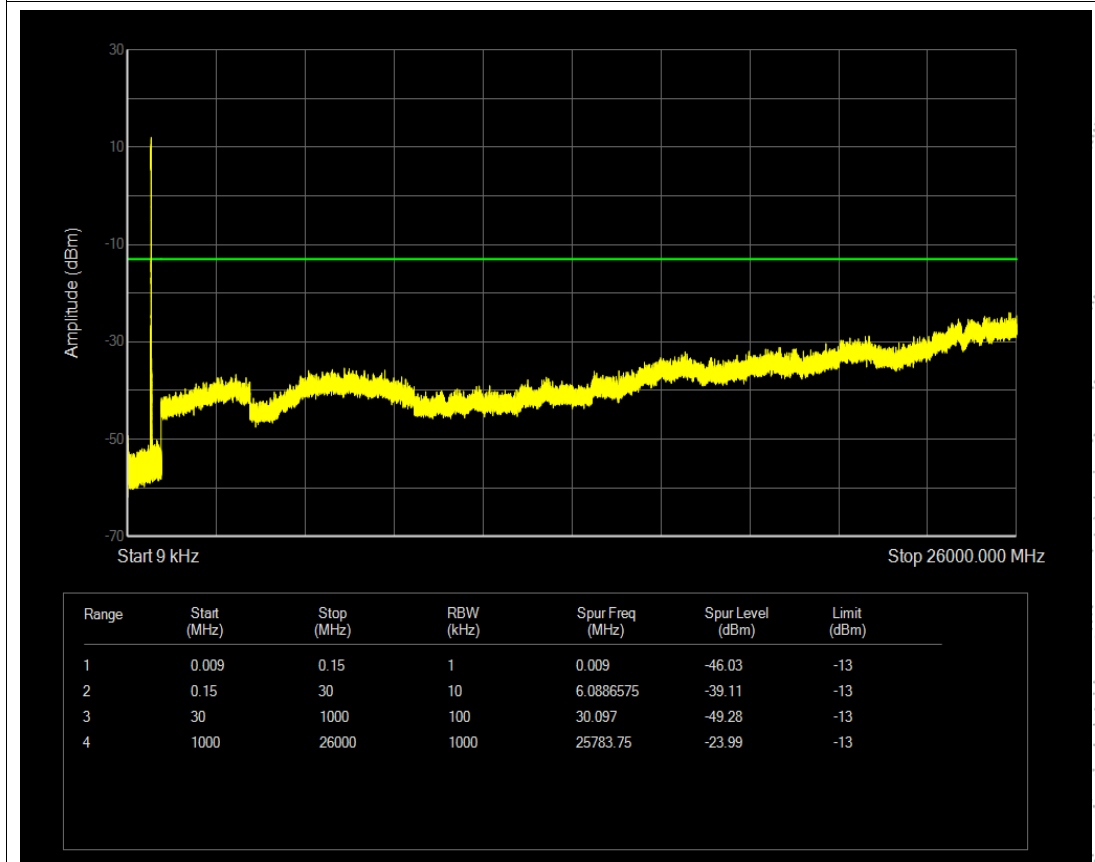


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009750825	-46.78	-13
2	0.15	30	10	6.11029875	-37.75	-13
3	30	1000	100	32.15825	-48.93	-13
4	1000	26000	1000	25908.125	-24.12	-13

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



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



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