

Appendix for Band 12

Report No.: BCTC2304548311-5E

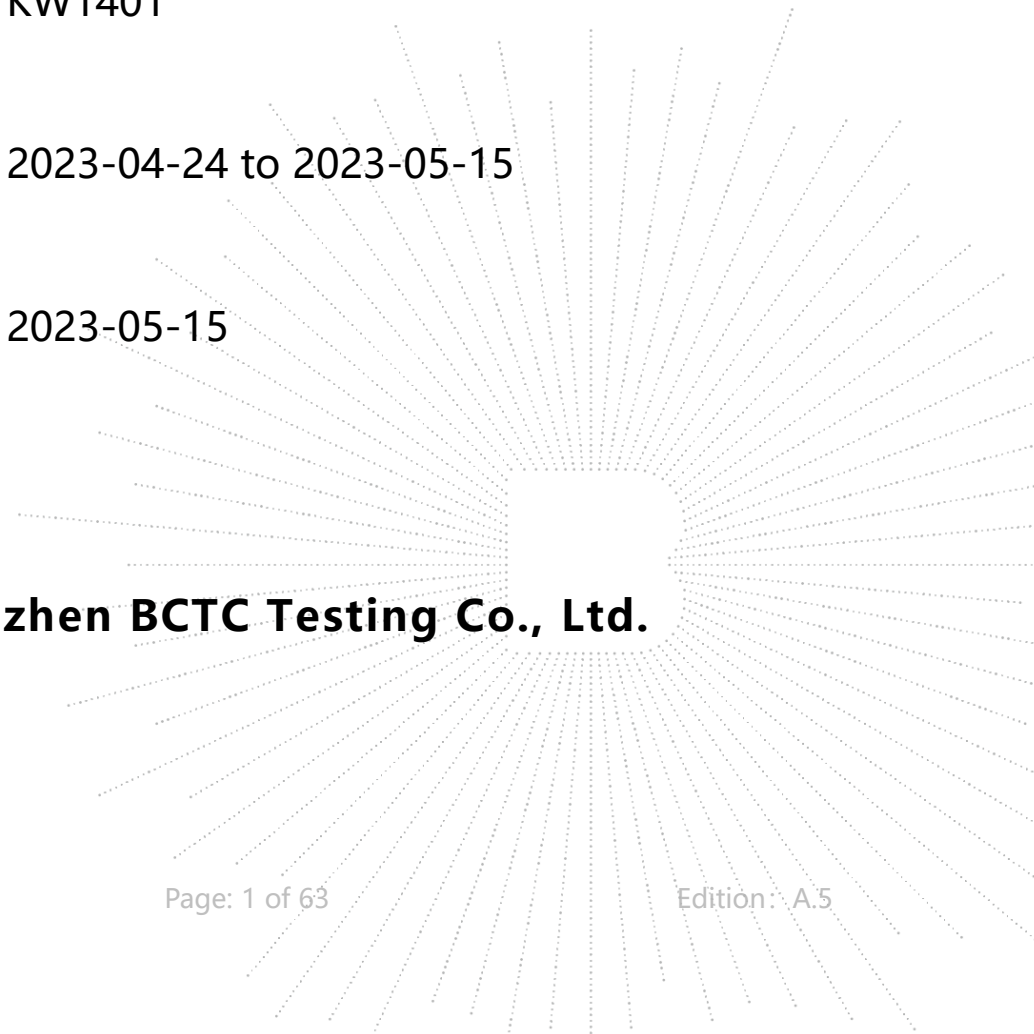
Applicant: OAXIS ASIA PTE LTD

Product Name: myFirst Fone S3

Model/Type
reference: KW1401

Tested Date: 2023-04-24 to 2023-05-15

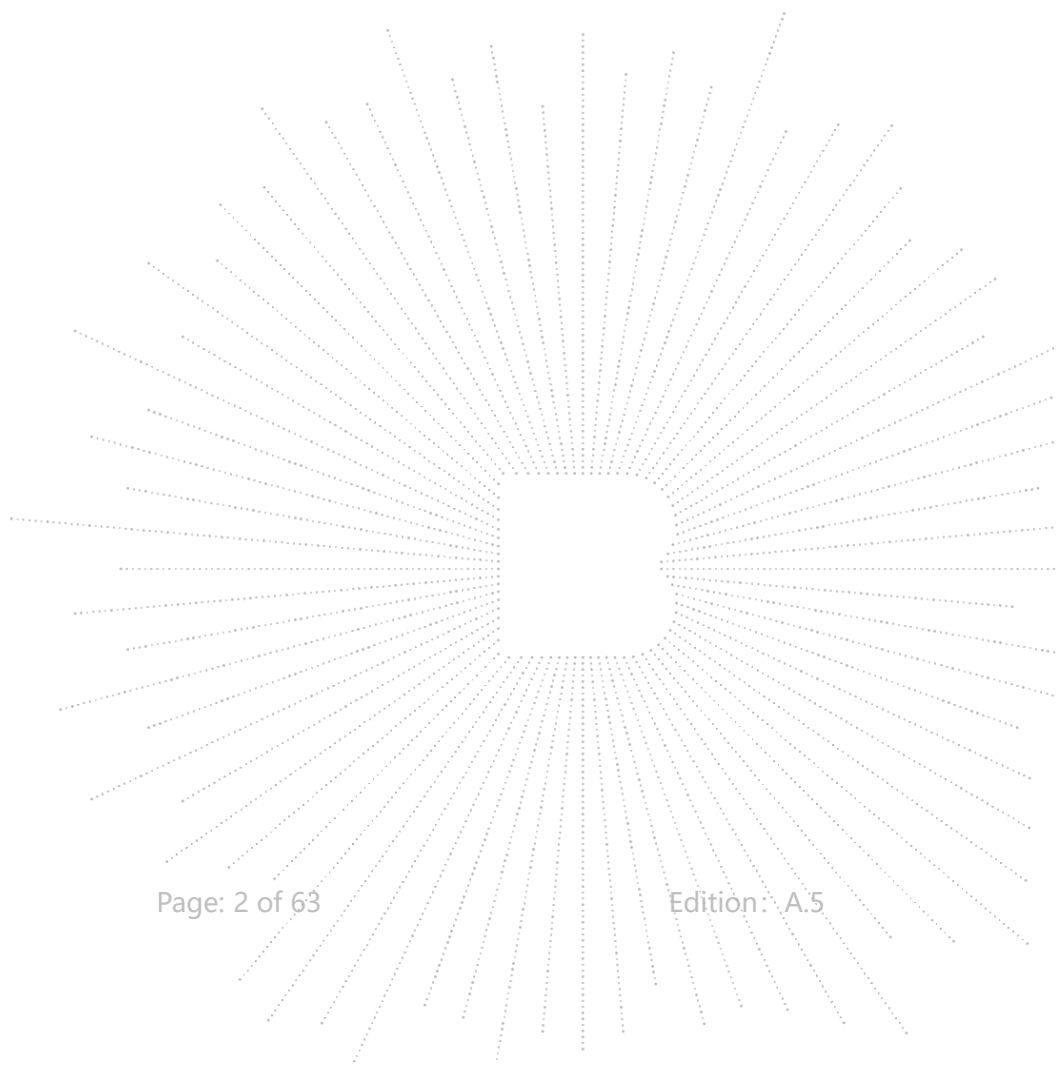
Issued Date: 2023-05-15



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)	Gain (dBm)	ERP (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	22.71	-7.82	12.74	PASS
Band12	1.4	23017	1	#Mid	QPSK	22.65	-7.82	12.68	PASS
Band12	1.4	23017	1	#Max	QPSK	22.47	-7.82	12.50	PASS
Band12	1.4	23017	3	#0	QPSK	22.46	-7.82	12.49	PASS
Band12	1.4	23017	3	#Mid	QPSK	22.53	-7.82	12.56	PASS
Band12	1.4	23017	3	#Max	QPSK	22.59	-7.82	12.62	PASS
Band12	1.4	23017	6	#0	QPSK	21.50	-7.82	11.53	PASS
Band12	1.4	23017	1	#0	16QAM	22.87	-7.82	12.90	PASS
Band12	1.4	23017	1	#Mid	16QAM	22.90	-7.82	12.93	PASS
Band12	1.4	23017	1	#Max	16QAM	22.84	-7.82	12.87	PASS
Band12	1.4	23017	3	#0	16QAM	21.93	-7.82	11.96	PASS
Band12	1.4	23017	3	#Mid	16QAM	22.00	-7.82	12.03	PASS
Band12	1.4	23017	3	#Max	16QAM	21.91	-7.82	11.94	PASS
Band12	1.4	23017	6	#0	16QAM	20.52	-7.82	10.55	PASS
Band12	1.4	23095	1	#0	QPSK	22.45	-7.82	12.48	PASS
Band12	1.4	23095	1	#Mid	QPSK	22.59	-7.82	12.62	PASS
Band12	1.4	23095	1	#Max	QPSK	22.57	-7.82	12.60	PASS
Band12	1.4	23095	3	#0	QPSK	22.52	-7.82	12.55	PASS
Band12	1.4	23095	3	#Mid	QPSK	22.51	-7.82	12.54	PASS
Band12	1.4	23095	3	#Max	QPSK	22.46	-7.82	12.49	PASS
Band12	1.4	23095	6	#0	QPSK	21.46	-7.82	11.49	PASS
Band12	1.4	23095	1	#0	16QAM	21.91	-7.82	11.94	PASS
Band12	1.4	23095	1	#Mid	16QAM	22.00	-7.82	12.03	PASS
Band12	1.4	23095	1	#Max	16QAM	21.85	-7.82	11.88	PASS
Band12	1.4	23095	3	#0	16QAM	21.65	-7.82	11.68	PASS
Band12	1.4	23095	3	#Mid	16QAM	21.65	-7.82	11.68	PASS
Band12	1.4	23095	3	#Max	16QAM	21.58	-7.82	11.61	PASS
Band12	1.4	23095	6	#0	16QAM	20.26	-7.82	10.29	PASS
Band12	1.4	23173	1	#0	QPSK	22.51	-7.82	12.54	PASS
Band12	1.4	23173	1	#Mid	QPSK	22.64	-7.82	12.67	PASS
Band12	1.4	23173	1	#Max	QPSK	22.60	-7.82	12.63	PASS
Band12	1.4	23173	3	#0	QPSK	22.28	-7.82	12.31	PASS
Band12	1.4	23173	3	#Mid	QPSK	22.39	-7.82	12.42	PASS
Band12	1.4	23173	3	#Max	QPSK	22.40	-7.82	12.43	PASS
Band12	1.4	23173	6	#0	QPSK	21.46	-7.82	11.49	PASS
Band12	1.4	23173	1	#0	16QAM	22.02	-7.82	12.05	PASS
Band12	1.4	23173	1	#Mid	16QAM	22.07	-7.82	12.10	PASS
Band12	1.4	23173	1	#Max	16QAM	22.06	-7.82	12.09	PASS

Band12	1.4	23173	3	#0	16QAM	21.75	-7.82	11.78	PASS
Band12	1.4	23173	3	#Mid	16QAM	21.76	-7.82	11.79	PASS
Band12	1.4	23173	3	#Max	16QAM	21.78	-7.82	11.81	PASS
Band12	1.4	23173	6	#0	16QAM	20.57	-7.82	10.60	PASS
Band12	3	23025	1	#0	QPSK	22.59	-7.82	12.62	PASS
Band12	3	23025	1	#Mid	QPSK	22.62	-7.82	12.65	PASS
Band12	3	23025	1	#Max	QPSK	22.55	-7.82	12.58	PASS
Band12	3	23025	8	#0	QPSK	21.59	-7.82	11.62	PASS
Band12	3	23025	8	#Mid	QPSK	21.51	-7.82	11.54	PASS
Band12	3	23025	8	#Max	QPSK	21.56	-7.82	11.59	PASS
Band12	3	23025	15	#0	QPSK	21.56	-7.82	11.59	PASS
Band12	3	23025	1	#0	16QAM	22.50	-7.82	12.53	PASS
Band12	3	23025	1	#Mid	16QAM	22.47	-7.82	12.50	PASS
Band12	3	23025	1	#Max	16QAM	22.55	-7.82	12.58	PASS
Band12	3	23025	8	#0	16QAM	20.26	-7.82	10.29	PASS
Band12	3	23025	8	#Mid	16QAM	20.32	-7.82	10.35	PASS
Band12	3	23025	8	#Max	16QAM	20.45	-7.82	10.48	PASS
Band12	3	23025	15	#0	16QAM	20.48	-7.82	10.51	PASS
Band12	3	23095	1	#0	QPSK	22.53	-7.82	12.56	PASS
Band12	3	23095	1	#Mid	QPSK	22.55	-7.82	12.58	PASS
Band12	3	23095	1	#Max	QPSK	22.53	-7.82	12.56	PASS
Band12	3	23095	8	#0	QPSK	21.53	-7.82	11.56	PASS
Band12	3	23095	8	#Mid	QPSK	21.50	-7.82	11.53	PASS
Band12	3	23095	8	#Max	QPSK	21.50	-7.82	11.53	PASS
Band12	3	23095	15	#0	QPSK	21.45	-7.82	11.48	PASS
Band12	3	23095	1	#0	16QAM	22.00	-7.82	12.03	PASS
Band12	3	23095	1	#Mid	16QAM	21.96	-7.82	11.99	PASS
Band12	3	23095	1	#Max	16QAM	21.88	-7.82	11.91	PASS
Band12	3	23095	8	#0	16QAM	20.66	-7.82	10.69	PASS
Band12	3	23095	8	#Mid	16QAM	20.54	-7.82	10.57	PASS
Band12	3	23095	8	#Max	16QAM	20.48	-7.82	10.51	PASS
Band12	3	23095	15	#0	16QAM	20.38	-7.82	10.41	PASS
Band12	3	23165	1	#0	QPSK	22.53	-7.82	12.56	PASS
Band12	3	23165	1	#Mid	QPSK	22.57	-7.82	12.60	PASS
Band12	3	23165	1	#Max	QPSK	22.65	-7.82	12.68	PASS
Band12	3	23165	8	#0	QPSK	21.37	-7.82	11.40	PASS
Band12	3	23165	8	#Mid	QPSK	21.37	-7.82	11.40	PASS
Band12	3	23165	8	#Max	QPSK	21.40	-7.82	11.43	PASS
Band12	3	23165	15	#0	QPSK	21.35	-7.82	11.38	PASS
Band12	3	23165	1	#0	16QAM	22.17	-7.82	12.20	PASS
Band12	3	23165	1	#Mid	16QAM	22.12	-7.82	12.15	PASS
Band12	3	23165	1	#Max	16QAM	22.04	-7.82	12.07	PASS
Band12	3	23165	8	#0	16QAM	20.43	-7.82	10.46	PASS

Band12	3	23165	8	#Mid	16QAM	20.37	-7.82	10.40	PASS
Band12	3	23165	8	#Max	16QAM	20.36	-7.82	10.39	PASS
Band12	3	23165	15	#0	16QAM	20.45	-7.82	10.48	PASS
Band12	5	23035	1	#0	QPSK	22.54	-7.82	12.57	PASS
Band12	5	23035	1	#Mid	QPSK	22.47	-7.82	12.50	PASS
Band12	5	23035	1	#Max	QPSK	22.55	-7.82	12.58	PASS
Band12	5	23035	12	#0	QPSK	21.53	-7.82	11.56	PASS
Band12	5	23035	12	#Mid	QPSK	21.47	-7.82	11.50	PASS
Band12	5	23035	12	#Max	QPSK	21.53	-7.82	11.56	PASS
Band12	5	23035	25	#0	QPSK	21.58	-7.82	11.61	PASS
Band12	5	23035	1	#0	16QAM	21.73	-7.82	11.76	PASS
Band12	5	23035	1	#Mid	16QAM	21.71	-7.82	11.74	PASS
Band12	5	23035	1	#Max	16QAM	21.54	-7.82	11.57	PASS
Band12	5	23035	12	#0	16QAM	20.34	-7.82	10.37	PASS
Band12	5	23035	12	#Mid	16QAM	20.47	-7.82	10.50	PASS
Band12	5	23035	12	#Max	16QAM	20.48	-7.82	10.51	PASS
Band12	5	23035	25	#0	16QAM	20.72	-7.82	10.75	PASS
Band12	5	23095	1	#0	QPSK	22.52	-7.82	12.55	PASS
Band12	5	23095	1	#Mid	QPSK	22.49	-7.82	12.52	PASS
Band12	5	23095	1	#Max	QPSK	22.56	-7.82	12.59	PASS
Band12	5	23095	12	#0	QPSK	21.55	-7.82	11.58	PASS
Band12	5	23095	12	#Mid	QPSK	21.44	-7.82	11.47	PASS
Band12	5	23095	12	#Max	QPSK	21.43	-7.82	11.46	PASS
Band12	5	23095	25	#0	QPSK	21.52	-7.82	11.55	PASS
Band12	5	23095	1	#0	16QAM	21.19	-7.82	11.22	PASS
Band12	5	23095	1	#Mid	16QAM	21.18	-7.82	11.21	PASS
Band12	5	23095	1	#Max	16QAM	21.25	-7.82	11.28	PASS
Band12	5	23095	12	#0	16QAM	20.37	-7.82	10.40	PASS
Band12	5	23095	12	#Mid	16QAM	20.27	-7.82	10.30	PASS
Band12	5	23095	12	#Max	16QAM	20.20	-7.82	10.23	PASS
Band12	5	23095	25	#0	16QAM	20.44	-7.82	10.47	PASS
Band12	5	23155	1	#0	QPSK	22.39	-7.82	12.42	PASS
Band12	5	23155	1	#Mid	QPSK	22.39	-7.82	12.42	PASS
Band12	5	23155	1	#Max	QPSK	22.42	-7.82	12.45	PASS
Band12	5	23155	12	#0	QPSK	21.47	-7.82	11.50	PASS
Band12	5	23155	12	#Mid	QPSK	21.34	-7.82	11.37	PASS
Band12	5	23155	12	#Max	QPSK	21.39	-7.82	11.42	PASS
Band12	5	23155	25	#0	QPSK	21.36	-7.82	11.39	PASS
Band12	5	23155	1	#0	16QAM	21.48	-7.82	11.51	PASS
Band12	5	23155	1	#Mid	16QAM	21.32	-7.82	11.35	PASS
Band12	5	23155	1	#Max	16QAM	21.37	-7.82	11.40	PASS
Band12	5	23155	12	#0	16QAM	20.56	-7.82	10.59	PASS
Band12	5	23155	12	#Mid	16QAM	20.36	-7.82	10.39	PASS

Band12	5	23155	12	#Max	16QAM	20.34	-7.82	10.37	PASS
Band12	5	23155	25	#0	16QAM	20.48	-7.82	10.51	PASS
Band12	10	23060	1	#0	QPSK	22.55	-7.82	12.58	PASS
Band12	10	23060	1	#Mid	QPSK	22.60	-7.82	12.63	PASS
Band12	10	23060	1	#Max	QPSK	22.48	-7.82	12.51	PASS
Band12	10	23060	25	#0	QPSK	21.53	-7.82	11.56	PASS
Band12	10	23060	25	#Mid	QPSK	21.33	-7.82	11.36	PASS
Band12	10	23060	25	#Max	QPSK	21.56	-7.82	11.59	PASS
Band12	10	23060	50	#0	QPSK	21.43	-7.82	11.46	PASS
Band12	10	23060	1	#0	16QAM	22.56	-7.82	12.59	PASS
Band12	10	23060	1	#Mid	16QAM	22.49	-7.82	12.52	PASS
Band12	10	23060	1	#Max	16QAM	22.52	-7.82	12.55	PASS
Band12	10	23060	25	#0	16QAM	20.38	-7.82	10.41	PASS
Band12	10	23060	25	#Mid	16QAM	20.31	-7.82	10.34	PASS
Band12	10	23060	25	#Max	16QAM	20.38	-7.82	10.41	PASS
Band12	10	23060	50	#0	16QAM	20.47	-7.82	10.50	PASS
Band12	10	23095	1	#0	QPSK	22.46	-7.82	12.49	PASS
Band12	10	23095	1	#Mid	QPSK	22.49	-7.82	12.52	PASS
Band12	10	23095	1	#Max	QPSK	22.47	-7.82	12.50	PASS
Band12	10	23095	25	#0	QPSK	21.49	-7.82	11.52	PASS
Band12	10	23095	25	#Mid	QPSK	21.47	-7.82	11.50	PASS
Band12	10	23095	25	#Max	QPSK	21.43	-7.82	11.46	PASS
Band12	10	23095	50	#0	QPSK	21.44	-7.82	11.47	PASS
Band12	10	23095	1	#0	16QAM	21.60	-7.82	11.63	PASS
Band12	10	23095	1	#Mid	16QAM	21.58	-7.82	11.61	PASS
Band12	10	23095	1	#Max	16QAM	21.50	-7.82	11.53	PASS
Band12	10	23095	25	#0	16QAM	20.53	-7.82	10.56	PASS
Band12	10	23095	25	#Mid	16QAM	20.36	-7.82	10.39	PASS
Band12	10	23095	25	#Max	16QAM	20.57	-7.82	10.60	PASS
Band12	10	23095	50	#0	16QAM	20.51	-7.82	10.54	PASS
Band12	10	23130	1	#0	QPSK	22.66	-7.82	12.69	PASS
Band12	10	23130	1	#Mid	QPSK	22.78	-7.82	12.81	PASS
Band12	10	23130	1	#Max	QPSK	22.61	-7.82	12.64	PASS
Band12	10	23130	25	#0	QPSK	21.43	-7.82	11.46	PASS
Band12	10	23130	25	#Mid	QPSK	21.41	-7.82	11.44	PASS
Band12	10	23130	25	#Max	QPSK	21.43	-7.82	11.46	PASS
Band12	10	23130	50	#0	QPSK	21.48	-7.82	11.51	PASS
Band12	10	23130	1	#0	16QAM	21.43	-7.82	11.46	PASS
Band12	10	23130	1	#Mid	16QAM	21.44	-7.82	11.47	PASS
Band12	10	23130	1	#Max	16QAM	21.47	-7.82	11.50	PASS
Band12	10	23130	25	#0	16QAM	20.40	-7.82	10.43	PASS
Band12	10	23130	25	#Mid	16QAM	20.46	-7.82	10.49	PASS
Band12	10	23130	25	#Max	16QAM	20.47	-7.82	10.50	PASS

Band12	10	23130	50	#0	16QAM	20.49	-7.82	10.52	PASS
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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
Band12	1.4	23017	6	#0	QPSK	LV	NT	0.80	0.001	-2.5	2.5	PASS
Band12	1.4	23017	6	#0	QPSK	NV	NT	-2.05	-0.003	-2.5	2.5	PASS
Band12	1.4	23017	6	#0	QPSK	HV	NT	-3.39	-0.005	-2.5	2.5	PASS
Band12	1.4	23017	6	#0	16QAM	LV	NT	-5.25	-0.008	-2.5	2.5	PASS
Band12	1.4	23017	6	#0	16QAM	NV	NT	-5.49	-0.008	-2.5	2.5	PASS
Band12	1.4	23017	6	#0	16QAM	HV	NT	-5.92	-0.008	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	QPSK	LV	NT	1.87	0.003	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	QPSK	NV	NT	1.26	0.002	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	QPSK	HV	NT	-0.17	0.000	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	16QAM	LV	NT	-0.19	0.000	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	16QAM	NV	NT	-0.24	0.000	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	16QAM	HV	NT	-0.27	0.000	-2.5	2.5	PASS
Band12	1.4	23173	6	#0	QPSK	LV	NT	-1.93	-0.003	-2.5	2.5	PASS
Band12	1.4	23173	6	#0	QPSK	NV	NT	-2.02	-0.003	-2.5	2.5	PASS
Band12	1.4	23173	6	#0	QPSK	HV	NT	-1.89	-0.003	-2.5	2.5	PASS
Band12	1.4	23173	6	#0	16QAM	LV	NT	-2.39	-0.003	-2.5	2.5	PASS
Band12	1.4	23173	6	#0	16QAM	NV	NT	-1.43	-0.002	-2.5	2.5	PASS

Band1 2	1.4	23173	6	#0	16QAM	HV	NT	-1.34	-0.00 2	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	LV	NT	2.33	0.003	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	NT	0.29	0.000	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	HV	NT	-1.99	-0.00 3	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	LV	NT	-3.32	-0.00 5	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	NT	-3.42	-0.00 5	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	HV	NT	-3.06	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	LV	NT	0.99	0.001	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	NT	0.77	0.001	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	HV	NT	0.10	0.000	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	LV	NT	0.19	0.000	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	NT	0.57	0.001	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	HV	NT	0.94	0.001	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	LV	NT	0.70	0.001	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	NV	NT	-0.31	0.000	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	HV	NT	-0.82	-0.00 1	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	LV	NT	-1.26	-0.00 2	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	NT	-1.13	-0.00 2	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	HV	NT	-0.66	-0.00 1	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	LV	NT	9.58	0.014	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	NT	7.05	0.010	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	HV	NT	6.54	0.009	-2.5	2.5	PASS

2												
Band1 2	5	23035	25	#0	16QAM	LV	NT	4.99	0.007	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	NT	5.88	0.008	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	HV	NT	5.39	0.008	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	LV	NT	1.92	0.003	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	NT	1.00	0.001	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	HV	NT	0.00	0.000	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	LV	NT	-0.39	-0.00 1	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	NT	-0.13	0.000	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	HV	NT	0.56	0.001	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	LV	NT	4.53	0.006	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	NT	3.66	0.005	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	HV	NT	3.33	0.005	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	LV	NT	2.70	0.004	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	NT	2.60	0.004	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	HV	NT	3.52	0.005	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	LV	NT	0.09	0.000	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	NT	-3.26	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	HV	NT	-4.53	-0.00 6	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	LV	NT	-5.81	-0.00 8	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	NT	-5.64	-0.00 8	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	HV	NT	-4.88	-0.00 7	-2.5	2.5	PASS

Band1 2	10	23095	50	#0	QPSK	LV	NT	1.82	0.003	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	NT	0.94	0.001	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	HV	NT	-0.29	0.000	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	LV	NT	-0.54	-0.00 1	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	NT	0.04	0.000	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	HV	NT	0.21	0.000	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	LV	NT	-0.94	-0.00 1	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	NT	-2.49	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	HV	NT	-2.68	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	LV	NT	-3.48	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	NV	NT	-3.05	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	HV	NT	-2.30	-0.00 3	-2.5	2.5	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band1 2	1.4	23017	6	#0	QPSK	NV	-30	3.60	0.005	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	-20	1.76	0.003	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	0	-0.10	0.000	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	10	-1.03	-0.00 1	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	20	-1.66	-0.00 2	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	NV	-30	-2.98	-0.00 4	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	NV	-20	-2.69	-0.00 4	-2.5	2.5	PASS

Band1 2	1.4	23017	6	#0	16QAM	NV	0	-3.02	-0.00 4	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	NV	10	-2.17	-0.00 3	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	NV	20	-1.97	-0.00 3	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	-30	-2.26	-0.00 3	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	-20	-2.90	-0.00 4	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	0	-4.08	-0.00 6	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	10	-4.82	-0.00 7	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	20	-5.74	-0.00 8	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	NV	-30	-5.49	-0.00 8	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	NV	-20	-4.85	-0.00 7	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	NV	0	-4.68	-0.00 7	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	NV	10	-4.19	-0.00 6	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	NV	20	-3.92	-0.00 6	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	-30	2.50	0.003	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	-20	1.79	0.003	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	0	0.80	0.001	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	10	0.23	0.000	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	20	0.40	0.001	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	NV	-30	1.22	0.002	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	NV	-20	1.33	0.002	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	NV	0	1.90	0.003	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	NV	10	1.76	0.002	-2.5	2.5	PASS

2												
Band1 2	1.4	23173	6	#0	16QAM	NV	20	1.87	0.003	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	-30	1.83	0.003	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	-20	-1.32	-0.00 2	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	0	-3.22	-0.00 5	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	10	-4.72	-0.00 7	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	20	-5.11	-0.00 7	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	-30	-5.55	-0.00 8	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	-20	-5.11	-0.00 7	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	0	-4.46	-0.00 6	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	10	-4.29	-0.00 6	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	20	-4.51	-0.00 6	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	-30	3.73	0.005	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	-20	2.88	0.004	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	0	1.83	0.003	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	10	1.53	0.002	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	20	1.07	0.002	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	-30	1.54	0.002	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	-20	2.46	0.003	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	0	2.45	0.003	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	10	2.49	0.004	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	20	2.73	0.004	-2.5	2.5	PASS

Band1 2	3	23165	15	#0	QPSK	NV	-30	2.13	0.003	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	NV	-20	1.30	0.002	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	NV	0	0.46	0.001	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	NV	10	-0.24	0.000	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	NV	20	-0.63	-0.00 1	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	-30	0.06	0.000	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	-20	0.43	0.001	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	0	0.86	0.001	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	10	1.17	0.002	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	20	1.66	0.002	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	-30	-1.49	-0.00 2	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	-20	-4.68	-0.00 7	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	0	-6.34	-0.00 9	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	10	-7.35	-0.01 0	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	20	-7.52	-0.011	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	-30	-7.45	-0.011	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	-20	-6.88	-0.01 0	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	0	-6.52	-0.00 9	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	10	-5.89	-0.00 8	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	20	-6.05	-0.00 9	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	-30	2.55	0.004	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	-20	1.07	0.002	-2.5	2.5	PASS

2												
Band1 2	5	23095	25	#0	QPSK	NV	0	0.82	0.001	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	10	0.13	0.000	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	20	0.00	0.000	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	-30	0.79	0.001	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	-20	1.20	0.002	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	0	2.09	0.003	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	10	2.47	0.003	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	20	2.16	0.003	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	-30	1.47	0.002	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	-20	0.34	0.000	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	0	-0.73	-0.00 1	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	10	-1.03	-0.00 1	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	20	-1.76	-0.00 2	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	-30	-1.16	-0.00 2	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	-20	-0.41	-0.00 1	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	0	0.30	0.000	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	10	0.50	0.001	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	20	0.64	0.001	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	-30	0.23	0.000	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	-20	-3.96	-0.00 6	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	0	-5.56	-0.00 8	-2.5	2.5	PASS

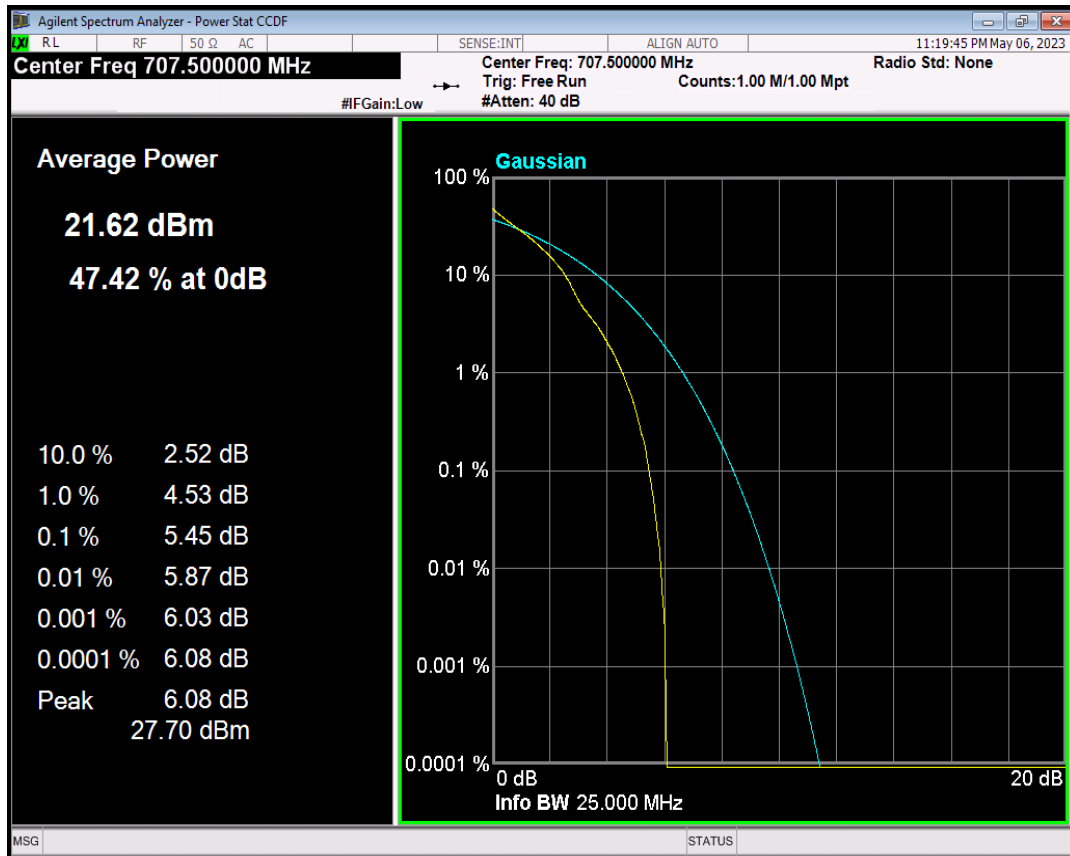
Band1 2	10	23060	50	#0	QPSK	NV	10	-6.55	-0.00 9	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	20	-6.82	-0.01 0	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	-30	-5.22	-0.00 7	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	-20	-4.85	-0.00 7	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	0	-4.09	-0.00 6	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	10	-3.66	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	20	-3.91	-0.00 6	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	-30	-5.95	-0.00 8	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	-20	-7.10	-0.01 0	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	0	-7.60	-0.011	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	10	-7.67	-0.011	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	20	-7.17	-0.01 0	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	-30	-6.95	-0.01 0	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	-20	-5.89	-0.00 8	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	0	-5.04	-0.00 7	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	10	-4.92	-0.00 7	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	20	-4.36	-0.00 6	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	-30	1.79	0.003	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	-20	-0.04	0.000	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	0	-0.50	-0.00 1	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	10	-0.37	-0.00 1	-2.5	2.5	PASS
Band1	10	23130	50	#0	QPSK	NV	20	-0.06	0.000	-2.5	2.5	PASS

2												
Band1 2	10	23130	50	#0	16QAM	NV	-30	0.54	0.001	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	NV	-20	1.56	0.002	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	NV	0	2.56	0.004	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	NV	10	2.36	0.003	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	NV	20	2.98	0.004	-2.5	2.5	PASS

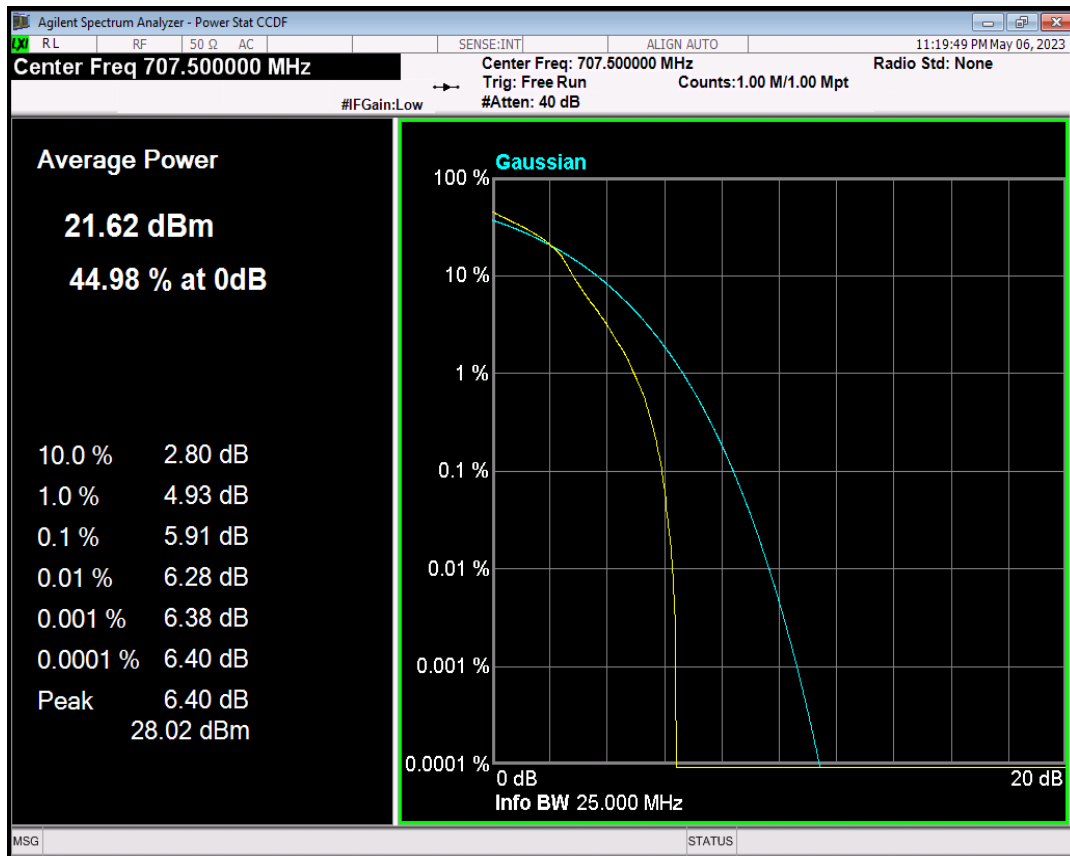
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	5.30	13	PASS
Band12	1.4	23017	1	#0	16QAM	6.11	13	PASS
Band12	1.4	23095	1	#0	QPSK	5.45	13	PASS
Band12	1.4	23095	1	#0	16QAM	5.91	13	PASS
Band12	1.4	23173	1	#0	QPSK	4.03	13	PASS
Band12	1.4	23173	1	#0	16QAM	5.06	13	PASS
Band12	3	23025	1	#0	QPSK	5.36	13	PASS
Band12	3	23025	1	#0	16QAM	6.33	13	PASS
Band12	3	23095	1	#0	QPSK	5.24	13	PASS
Band12	3	23095	1	#0	16QAM	5.73	13	PASS
Band12	3	23165	1	#0	QPSK	4.11	13	PASS
Band12	3	23165	1	#0	16QAM	5.12	13	PASS
Band12	5	23035	1	#0	QPSK	5.47	13	PASS
Band12	5	23035	1	#0	16QAM	6.06	13	PASS
Band12	5	23095	1	#0	QPSK	5.01	13	PASS
Band12	5	23095	1	#0	16QAM	5.44	13	PASS
Band12	5	23155	1	#0	QPSK	4.93	13	PASS
Band12	5	23155	1	#0	16QAM	5.72	13	PASS
Band12	10	23060	1	#0	QPSK	5.28	13	PASS
Band12	10	23060	1	#0	16QAM	6.14	13	PASS
Band12	10	23095	1	#0	QPSK	4.65	13	PASS
Band12	10	23095	1	#0	16QAM	5.43	13	PASS
Band12	10	23130	1	#0	QPSK	5.20	13	PASS
Band12	10	23130	1	#0	16QAM	5.69	13	PASS

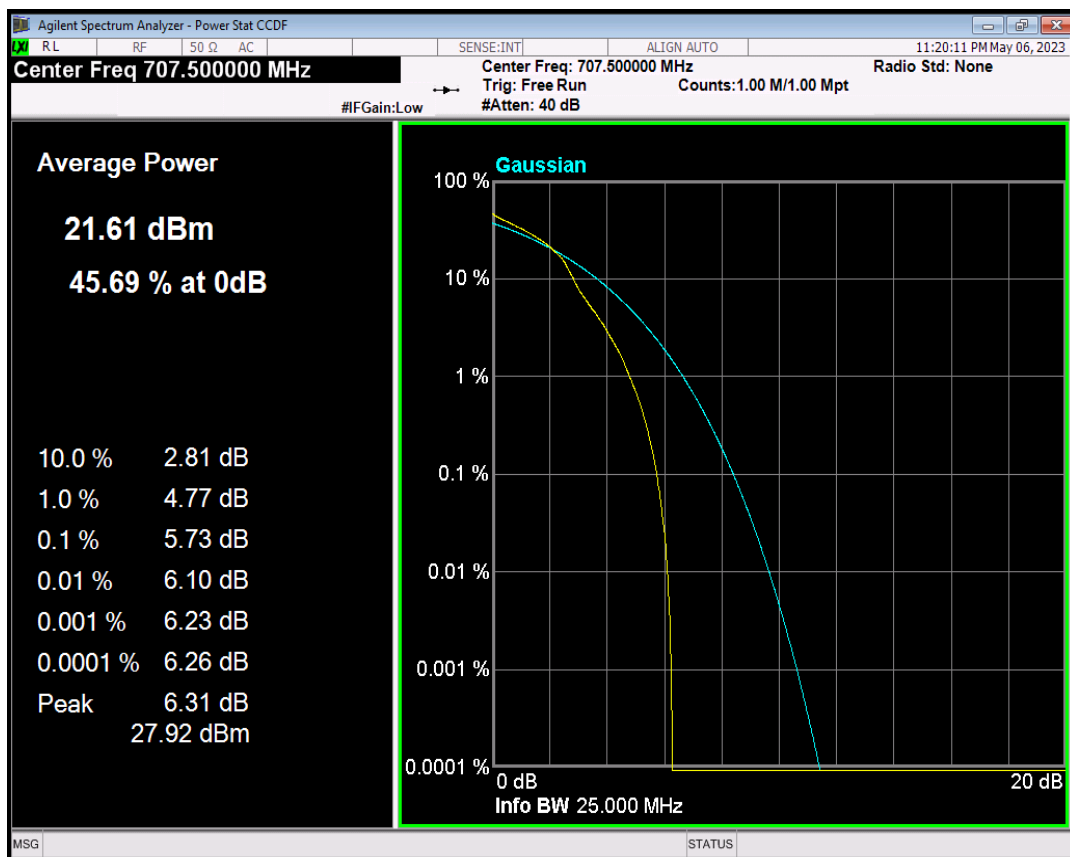
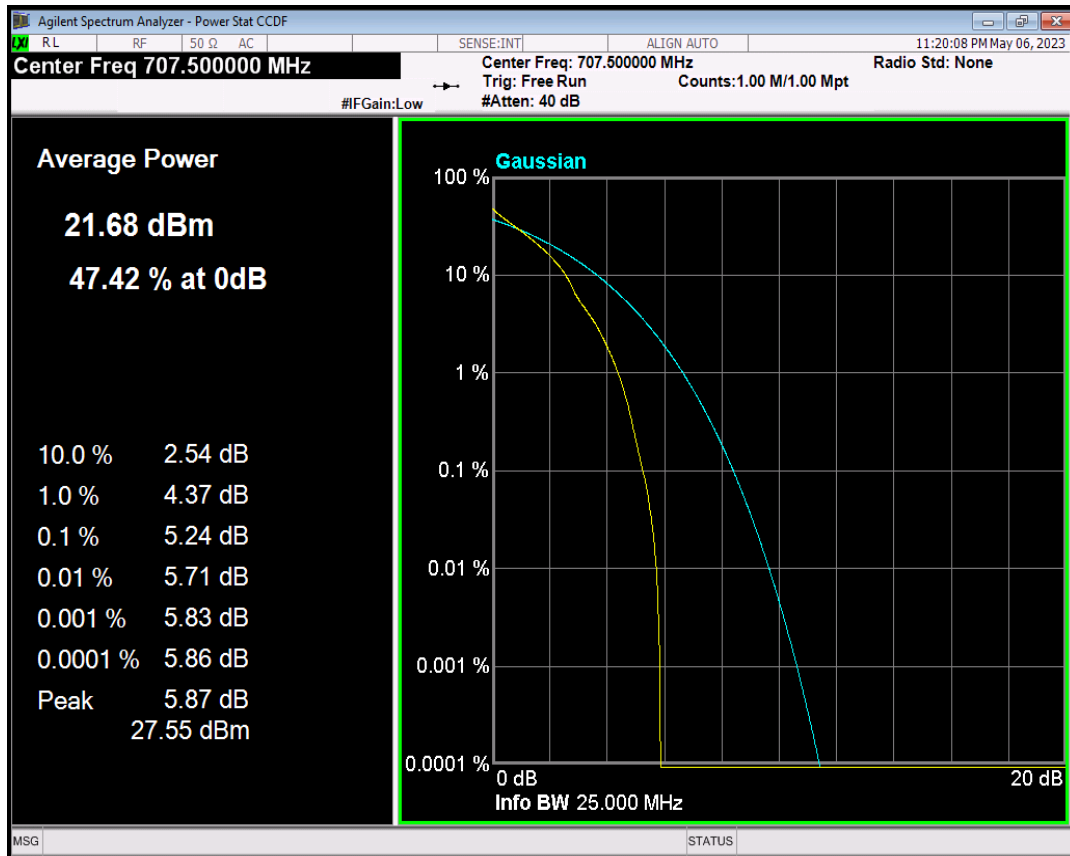
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0

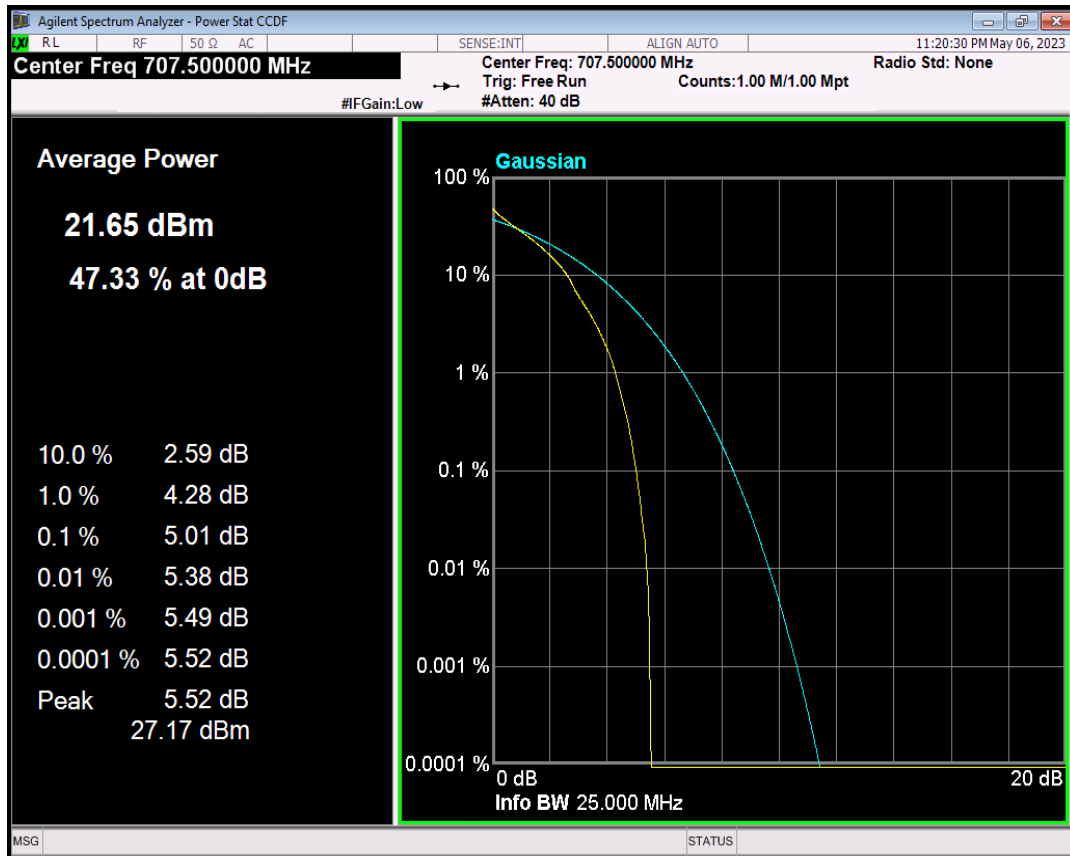


Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0

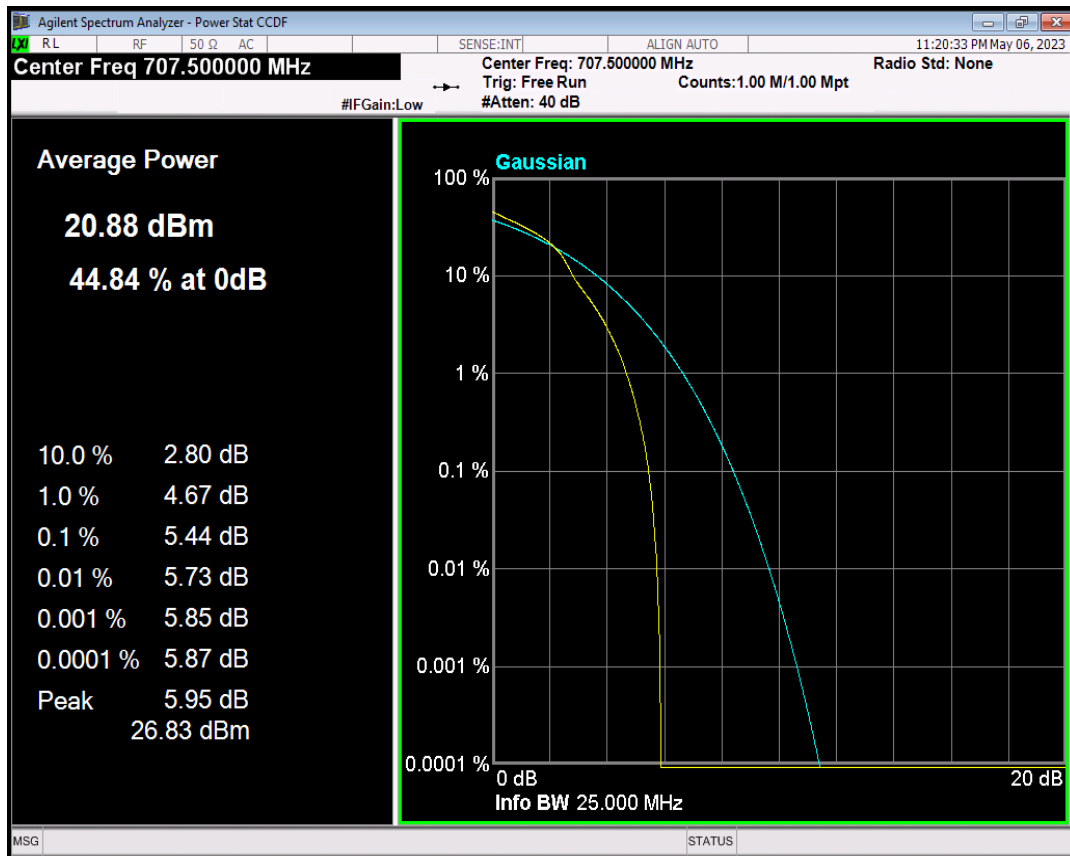


Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0

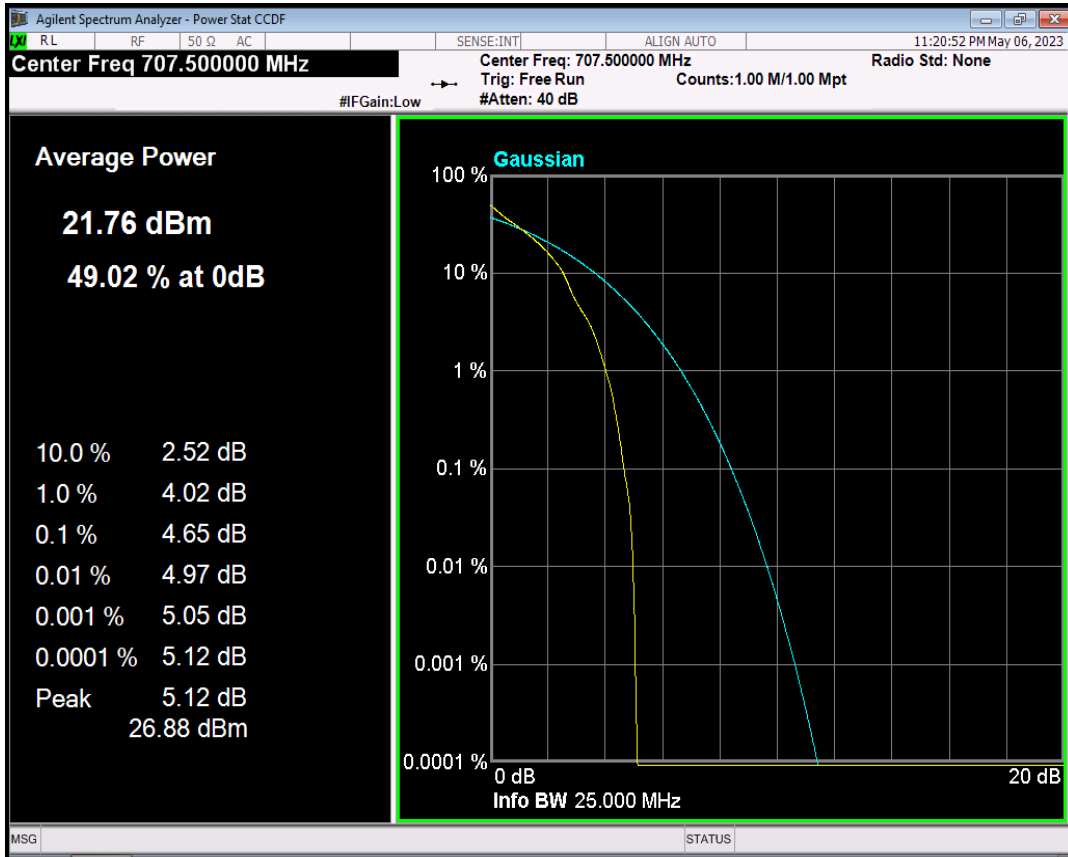




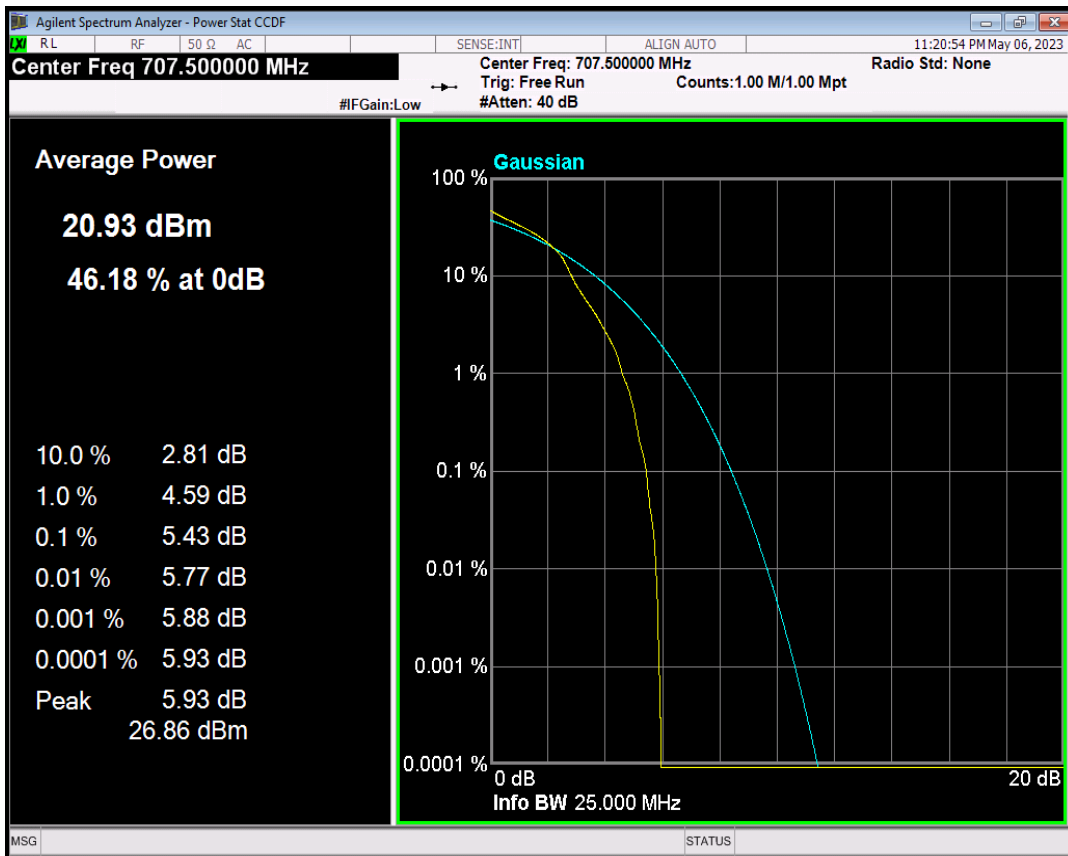
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



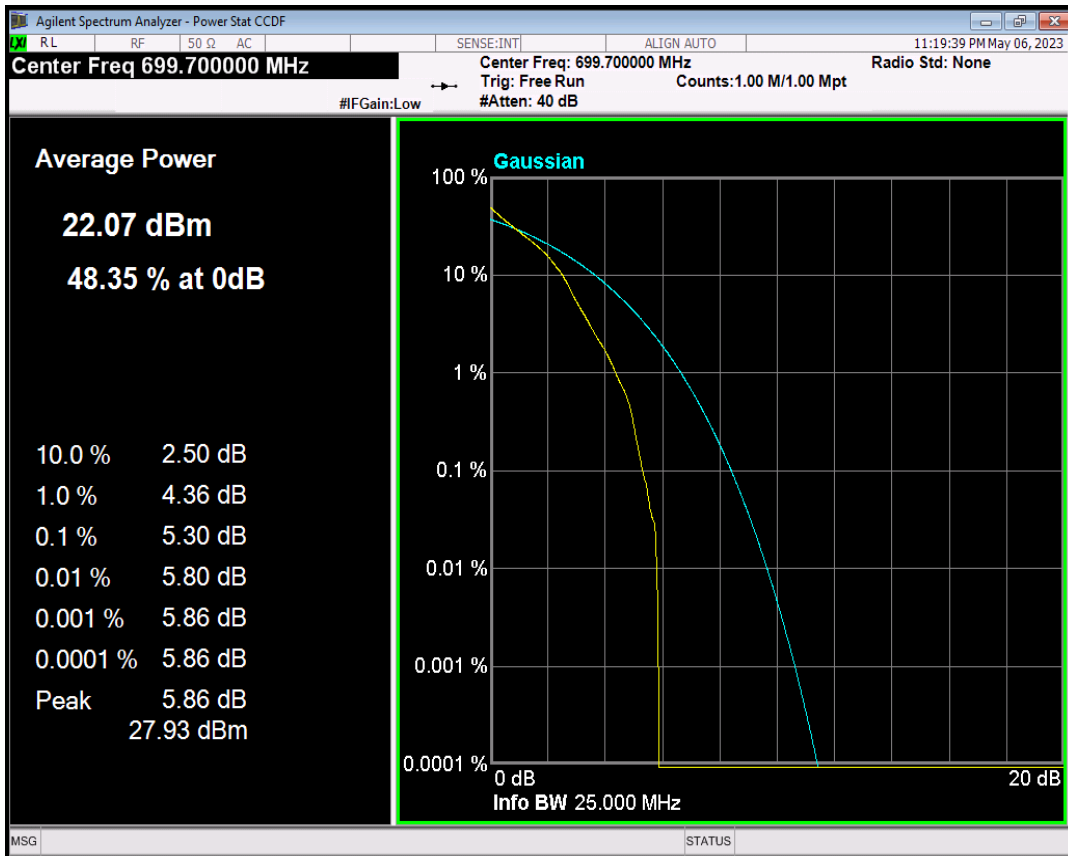
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



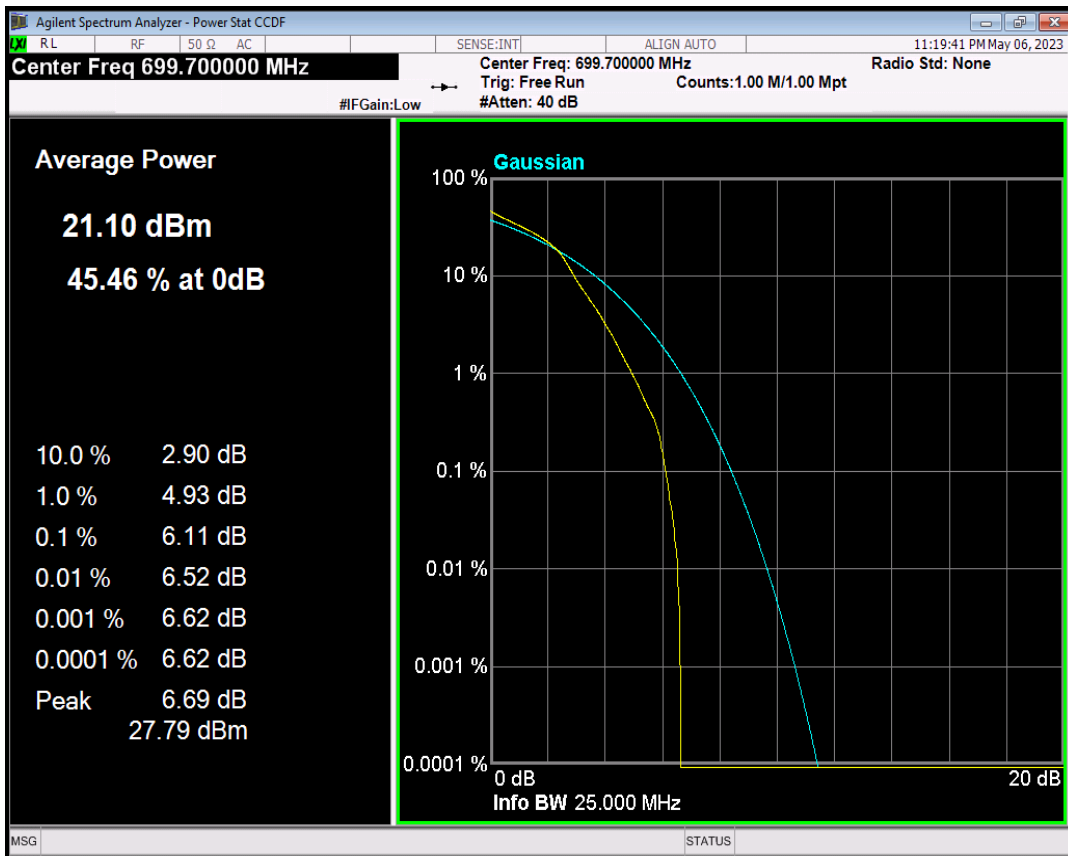
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



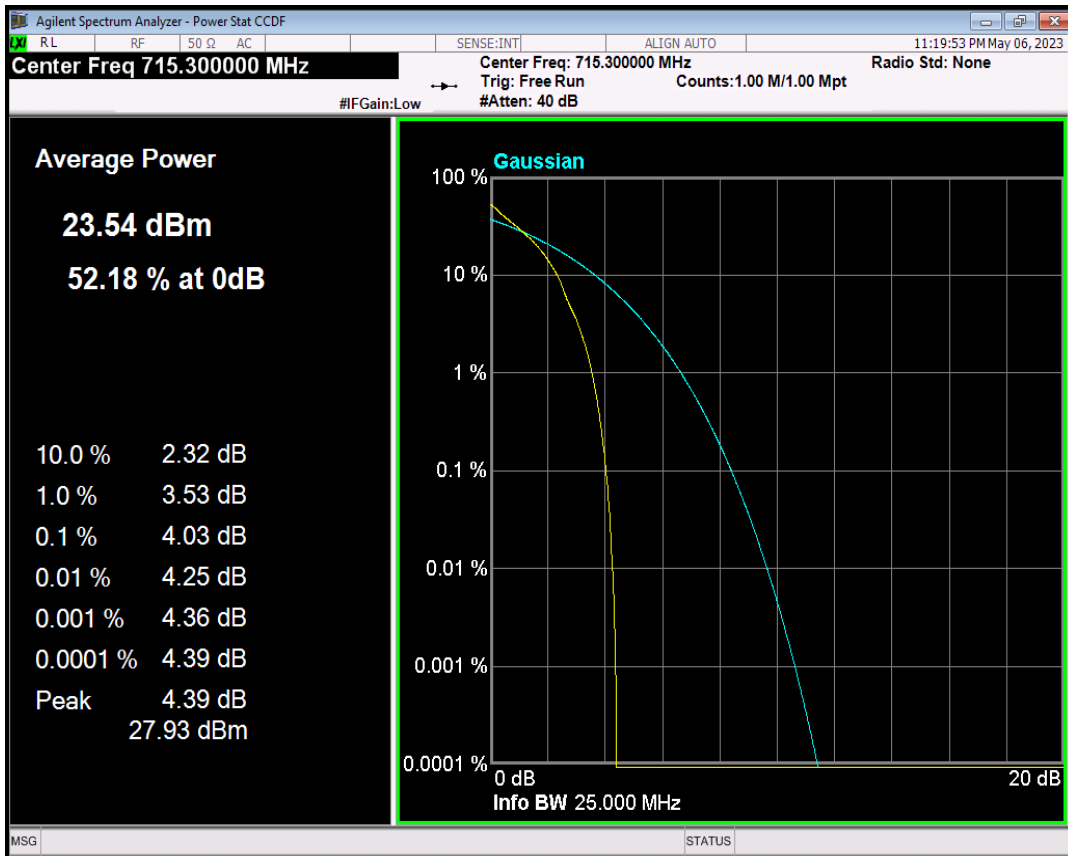
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



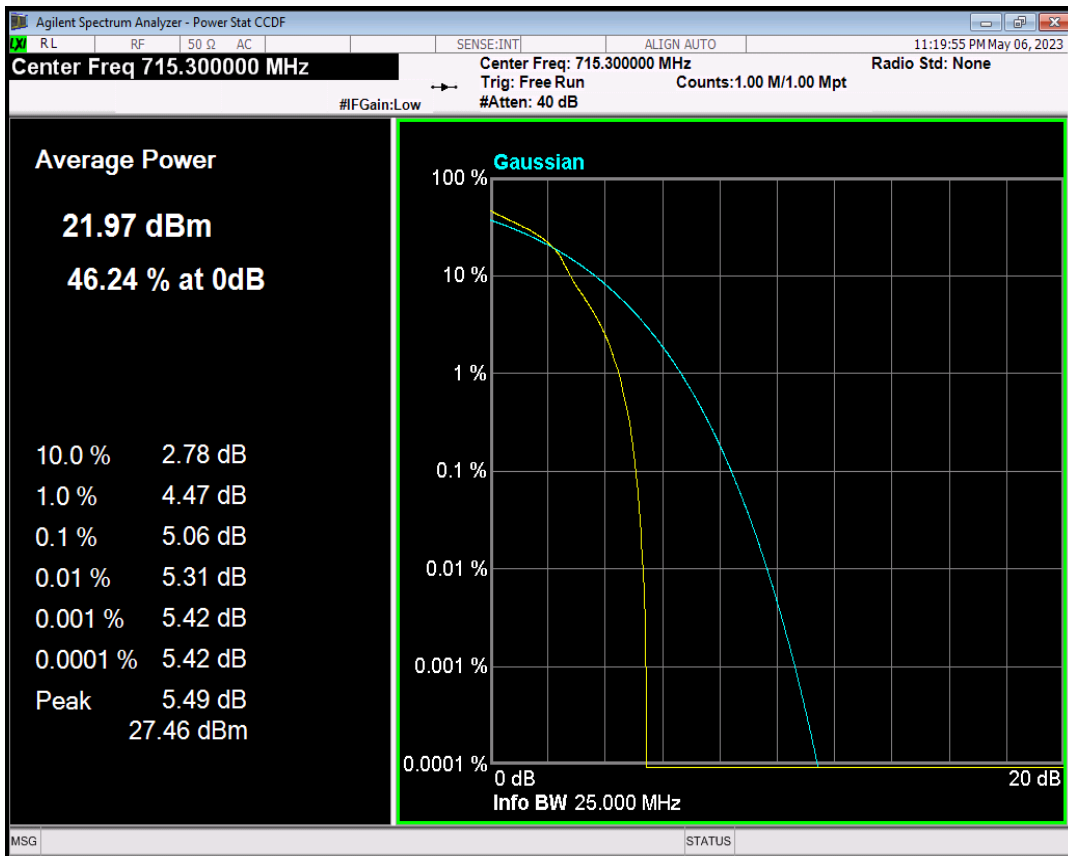
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



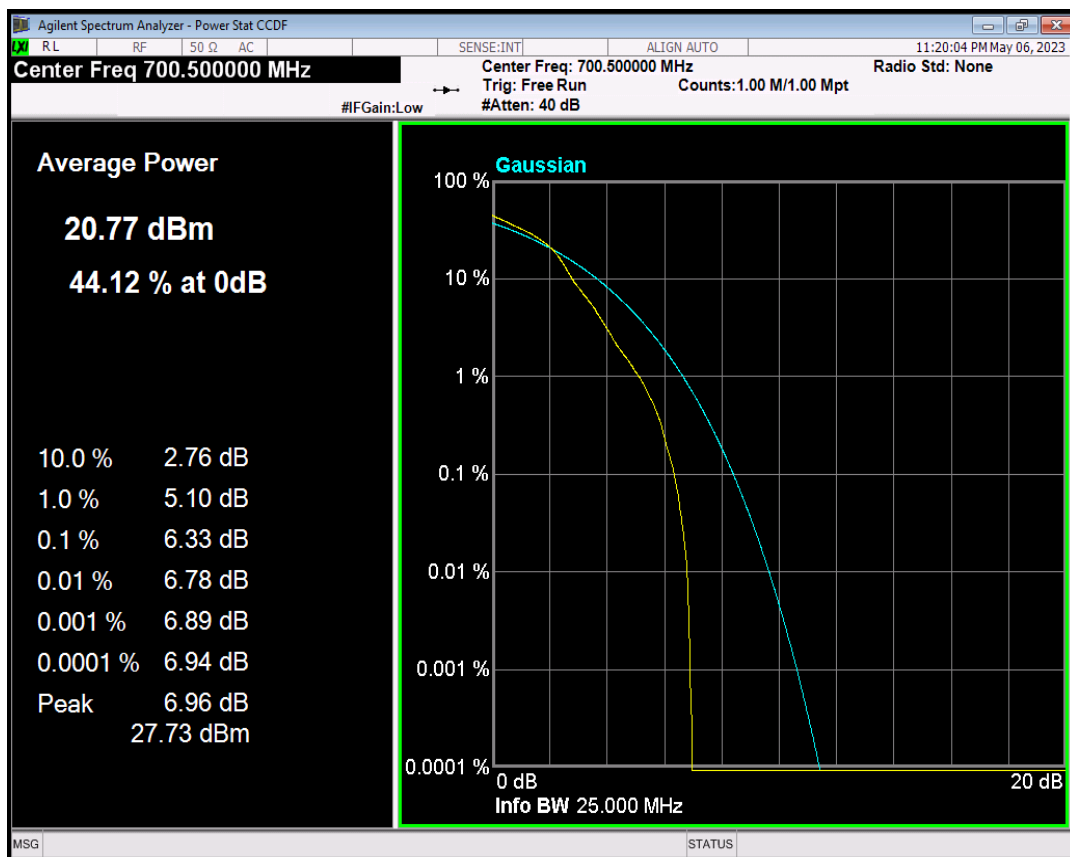
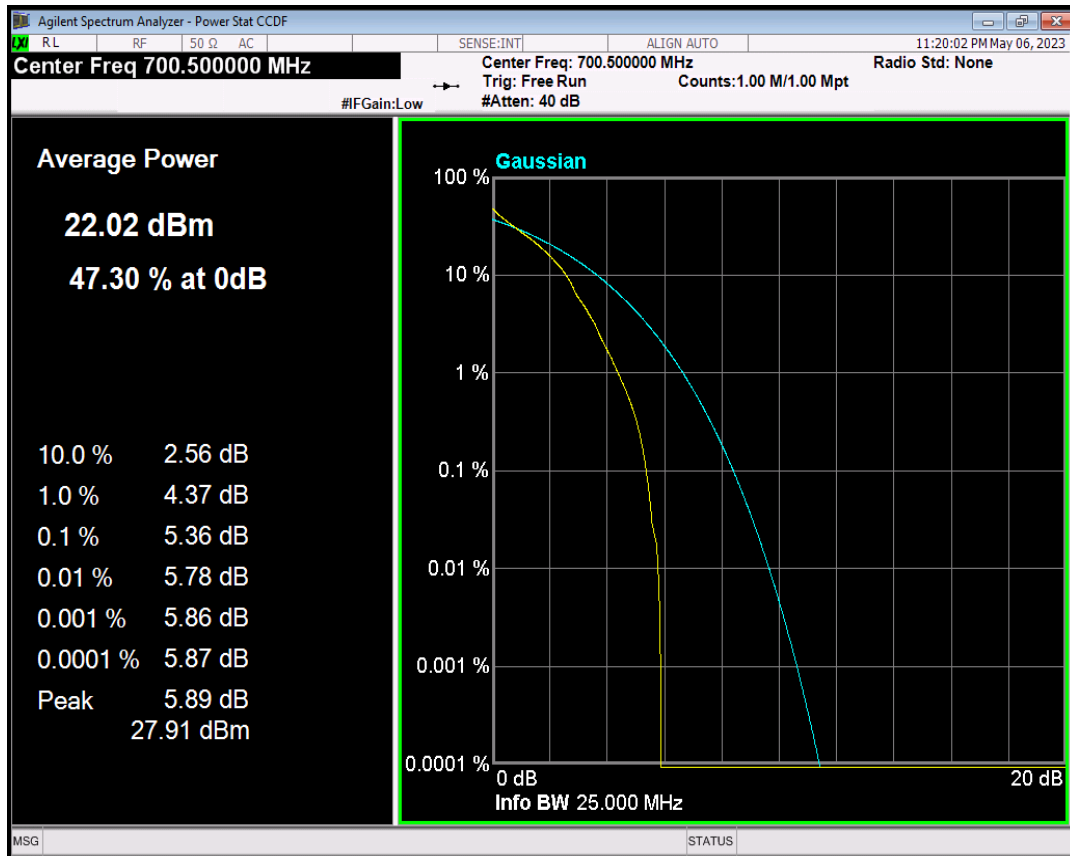
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0

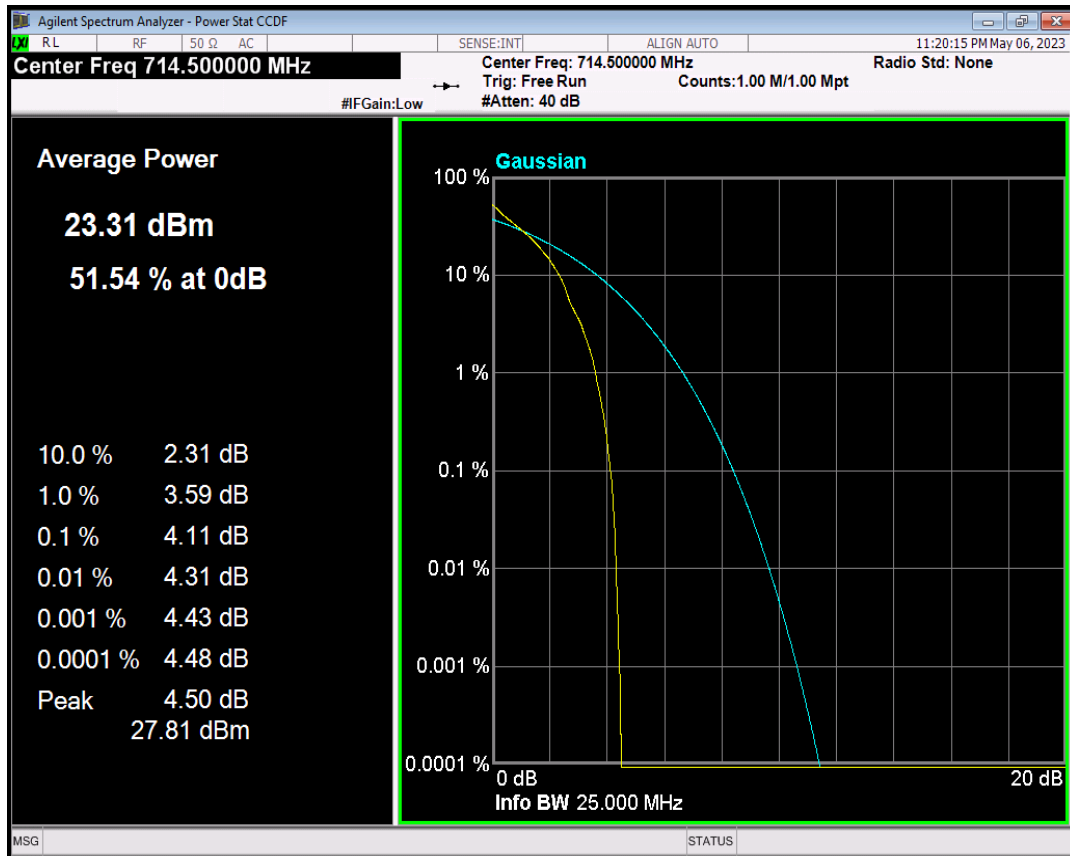


Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0

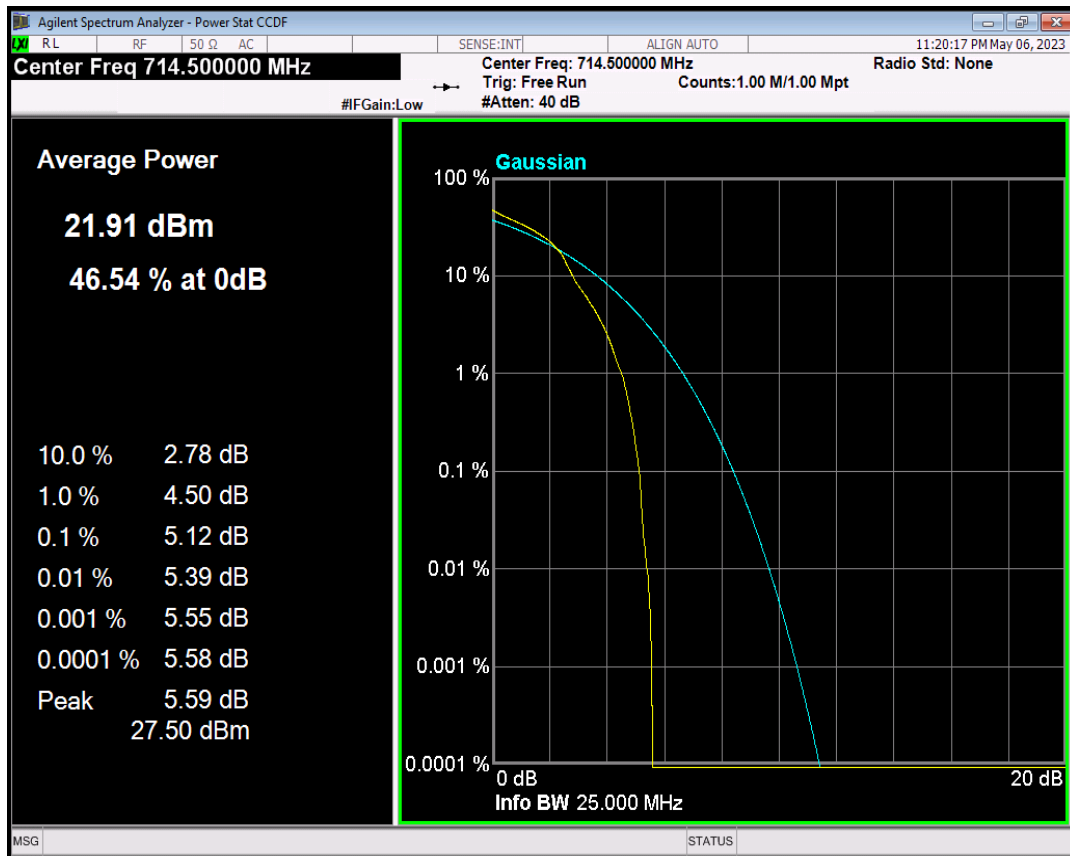


Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0

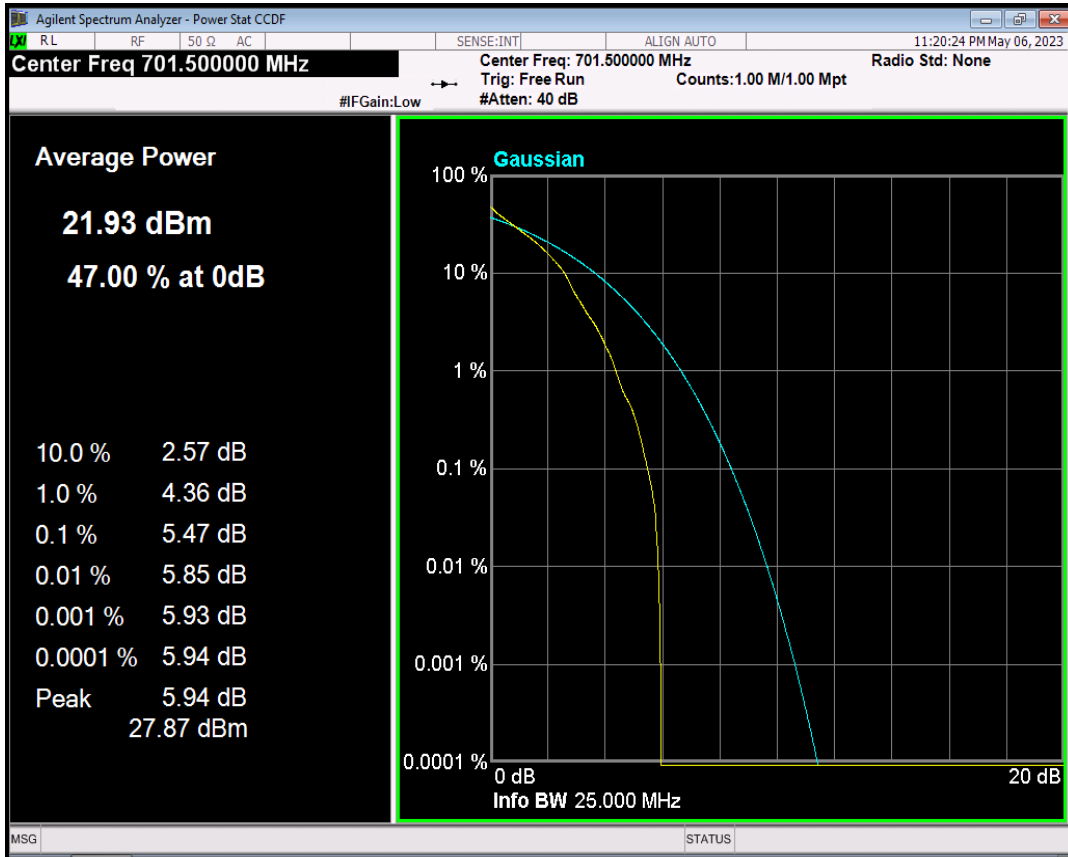




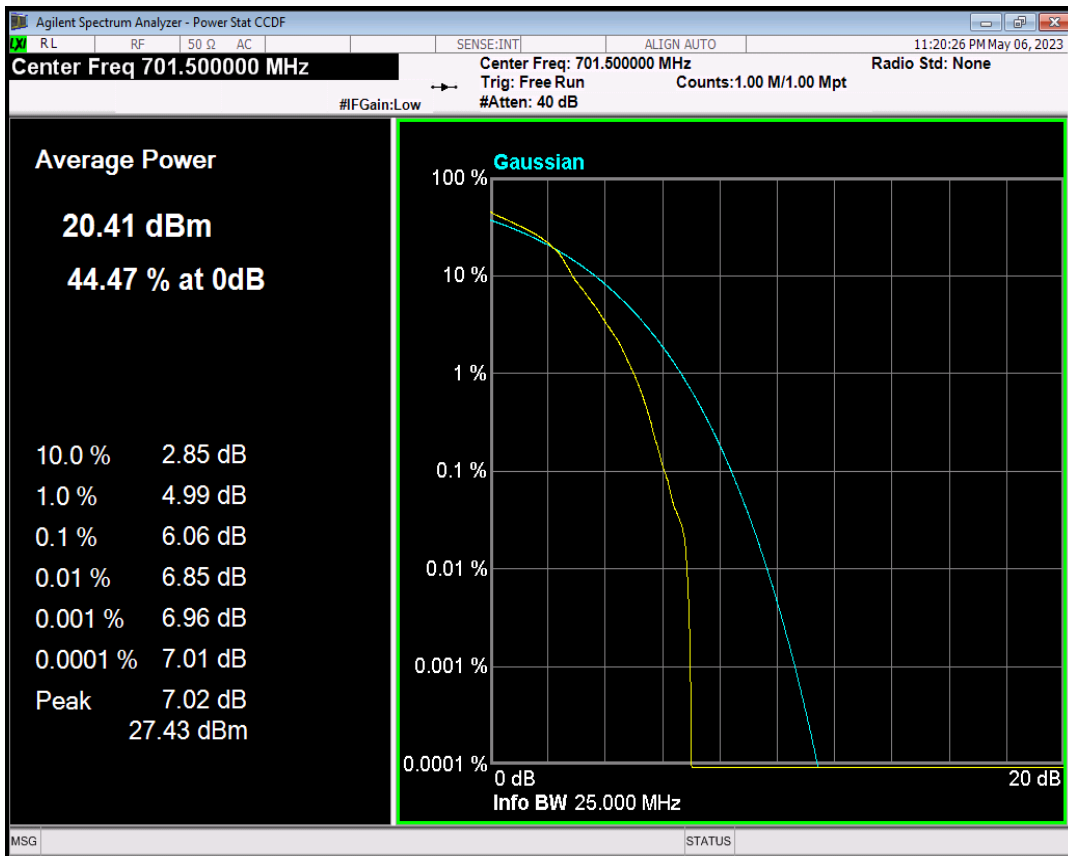
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



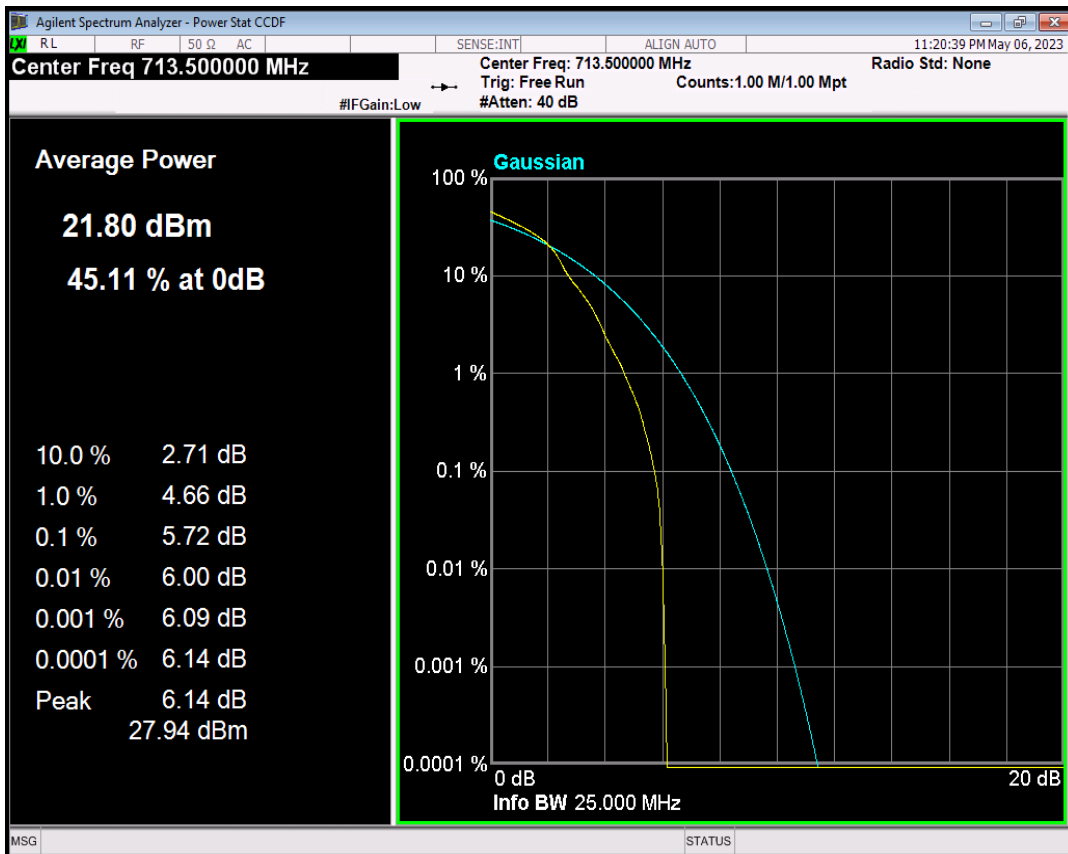
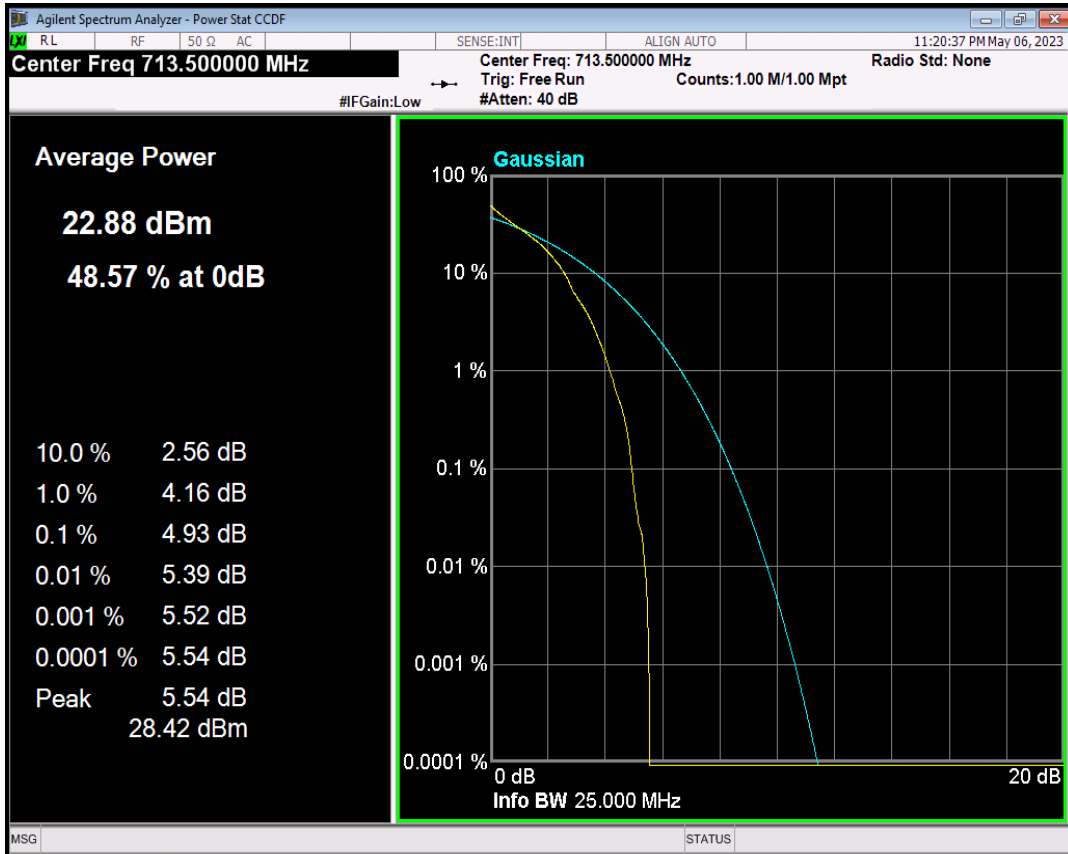
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0

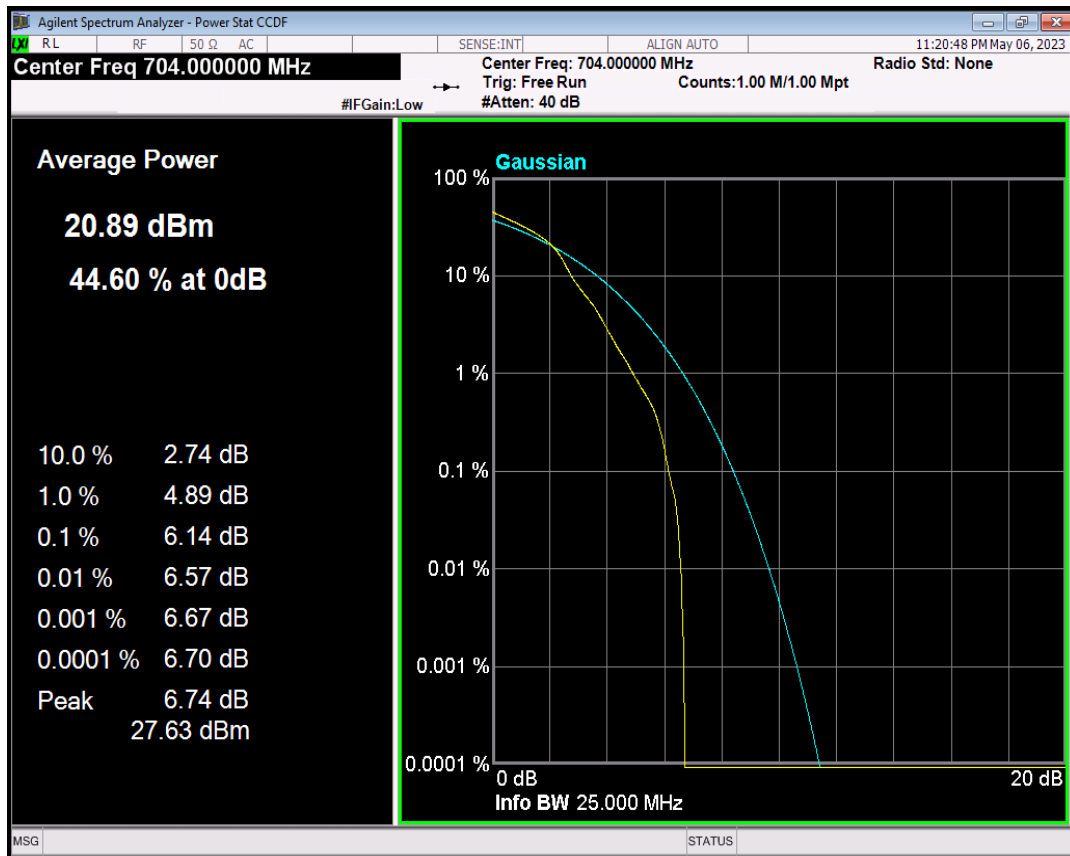
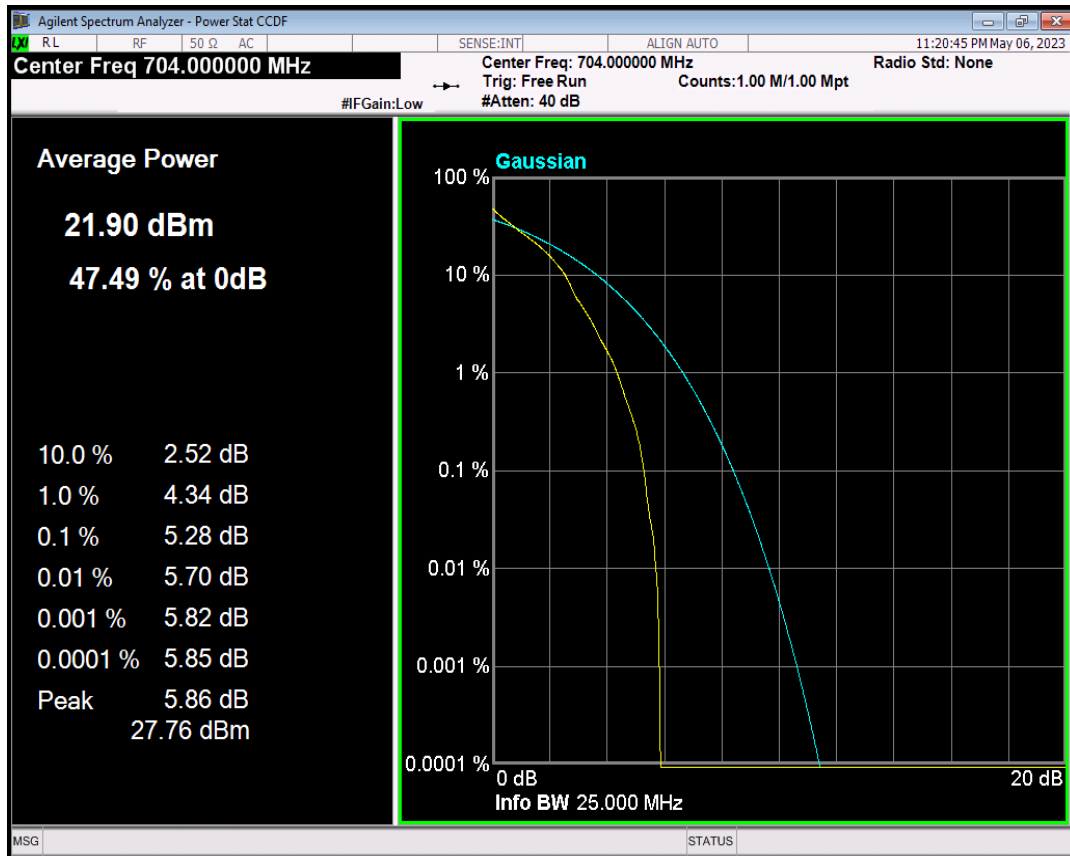


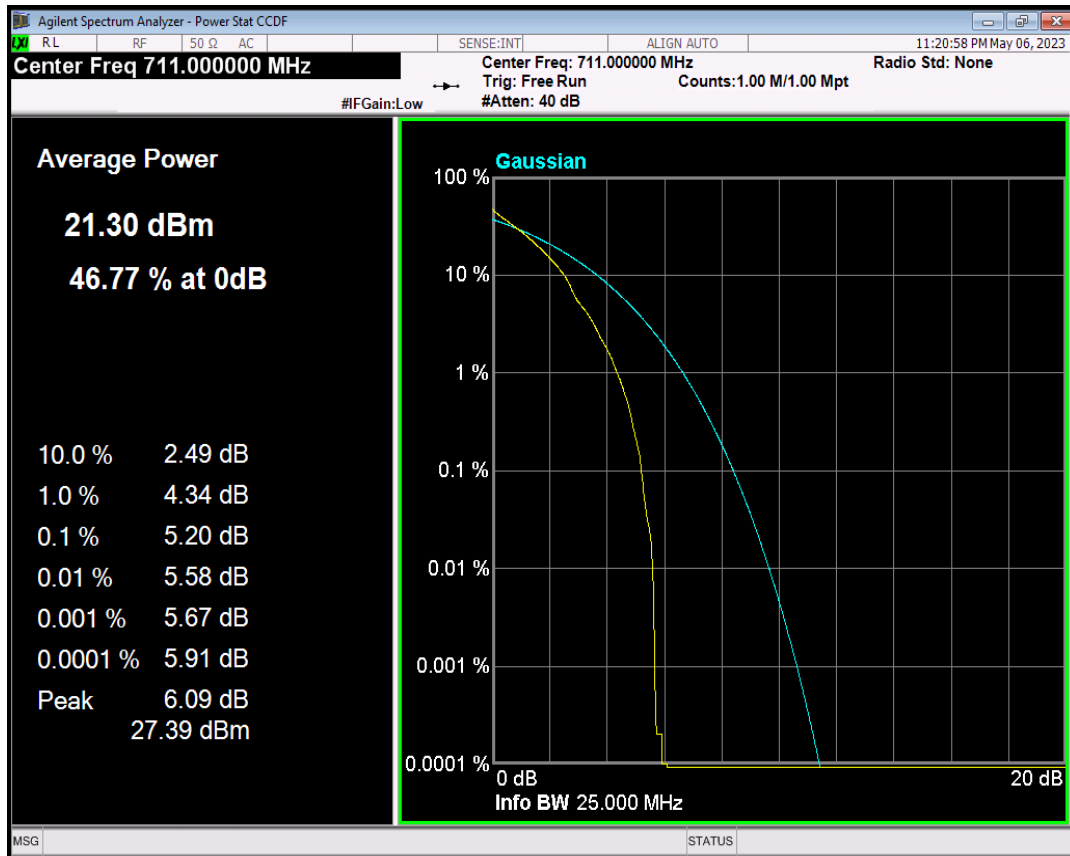
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



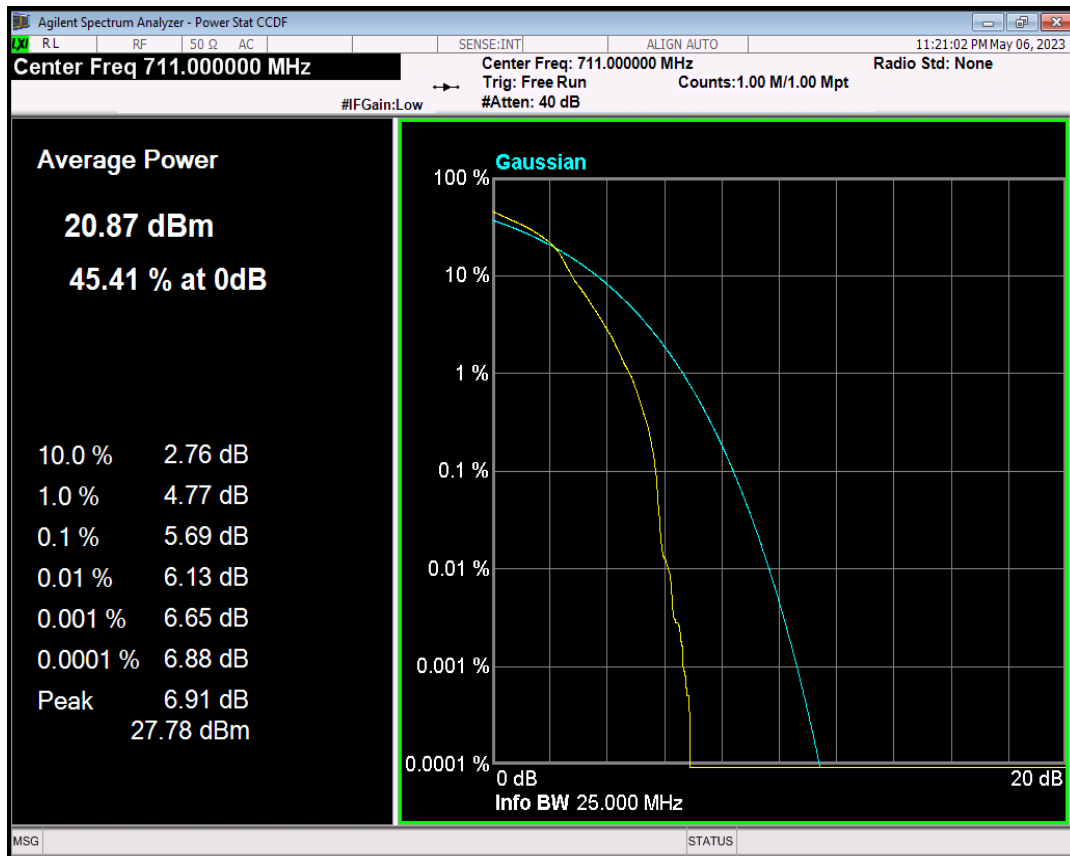
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0







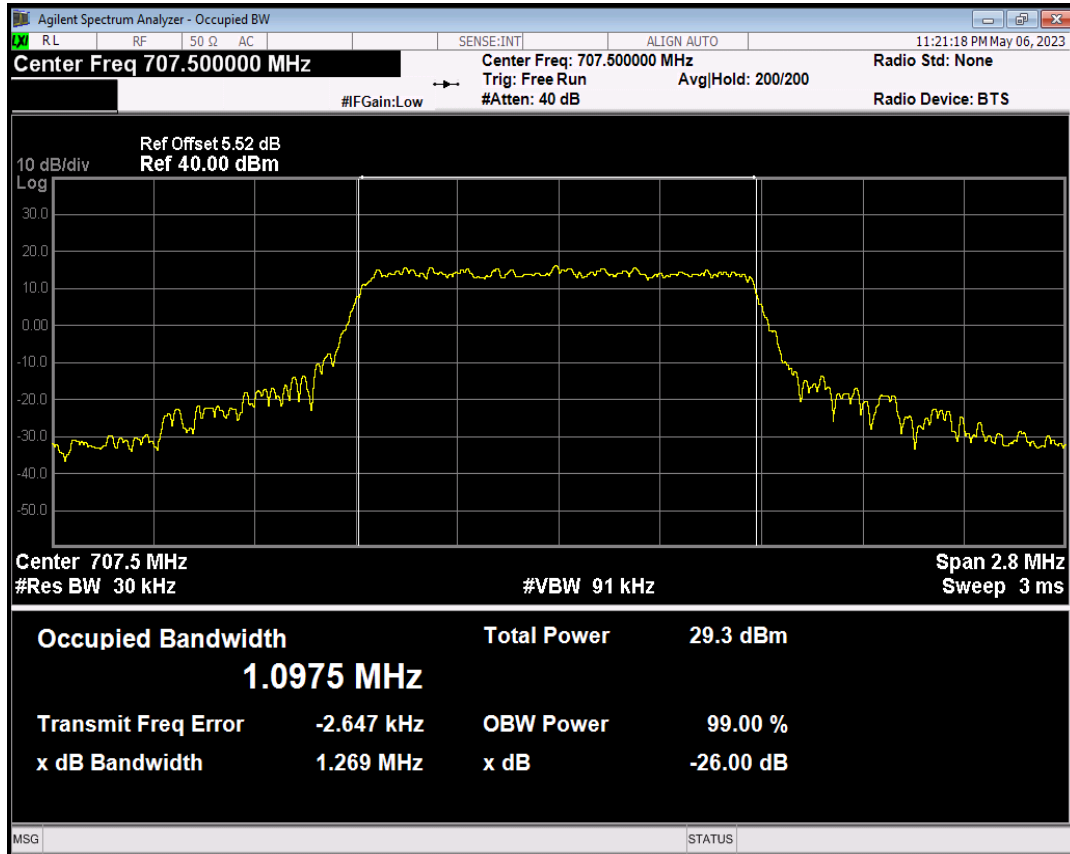
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



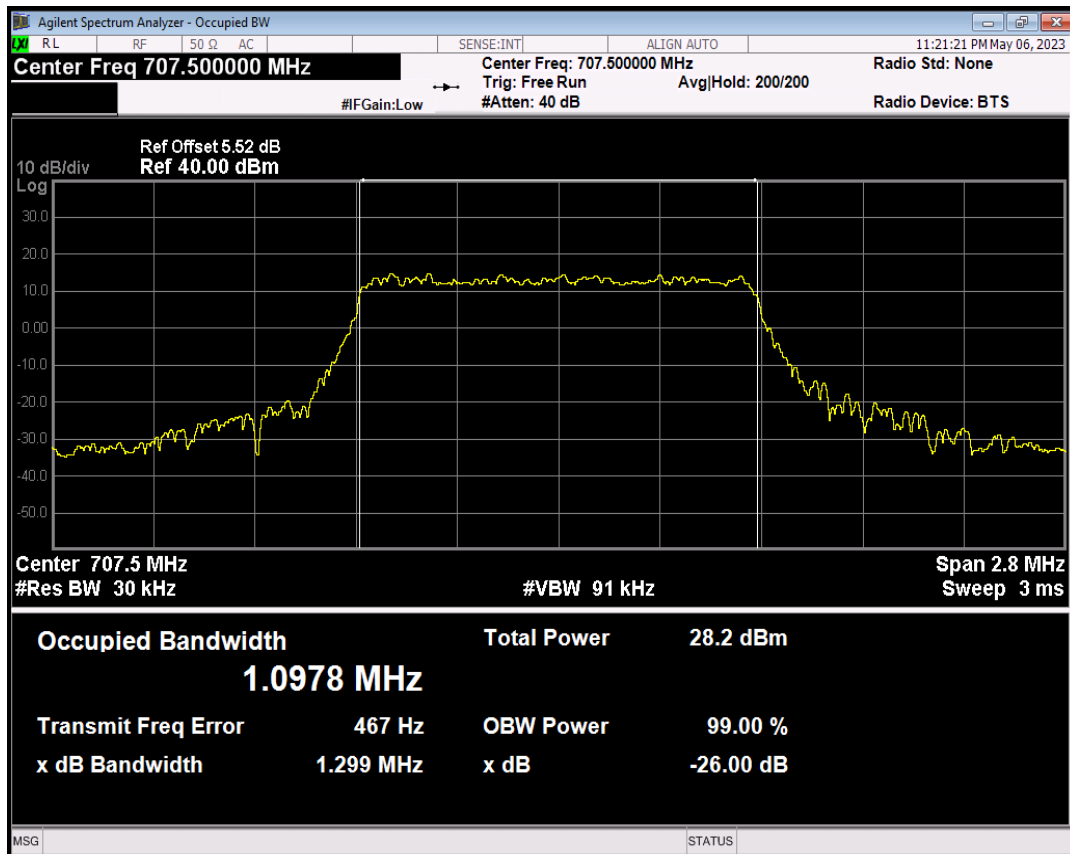
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.093	1.270	PASS
Band12	1.4	23017	6	#0	16QAM	1.100	1.253	PASS
Band12	1.4	23095	6	#0	QPSK	1.097	1.269	PASS
Band12	1.4	23095	6	#0	16QAM	1.098	1.299	PASS
Band12	1.4	23173	6	#0	QPSK	1.102	1.290	PASS
Band12	1.4	23173	6	#0	16QAM	1.100	1.260	PASS
Band12	3	23025	15	#0	QPSK	2.709	3.073	PASS
Band12	3	23025	15	#0	16QAM	2.704	3.065	PASS
Band12	3	23095	15	#0	QPSK	2.707	3.040	PASS
Band12	3	23095	15	#0	16QAM	2.711	3.050	PASS
Band12	3	23165	15	#0	QPSK	2.715	3.071	PASS
Band12	3	23165	15	#0	16QAM	2.719	3.113	PASS
Band12	5	23035	25	#0	QPSK	4.510	4.915	PASS
Band12	5	23035	25	#0	16QAM	4.497	5.000	PASS
Band12	5	23095	25	#0	QPSK	4.519	5.246	PASS
Band12	5	23095	25	#0	16QAM	4.509	5.348	PASS
Band12	5	23155	25	#0	QPSK	4.493	5.174	PASS
Band12	5	23155	25	#0	16QAM	4.531	5.265	PASS
Band12	10	23060	50	#0	QPSK	8.996	9.930	PASS
Band12	10	23060	50	#0	16QAM	8.991	9.957	PASS
Band12	10	23095	50	#0	QPSK	9.021	10.011	PASS
Band12	10	23095	50	#0	16QAM	9.013	10.267	PASS
Band12	10	23130	50	#0	QPSK	8.963	9.930	PASS
Band12	10	23130	50	#0	16QAM	8.966	9.898	PASS

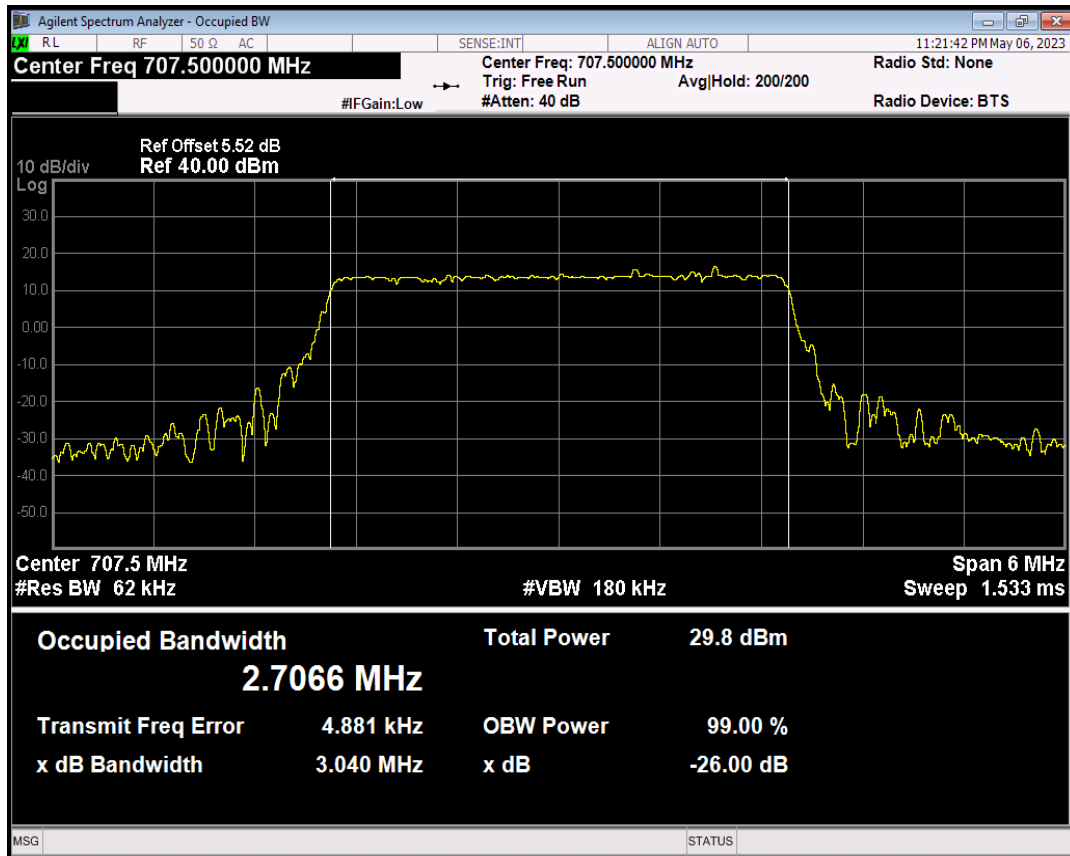
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



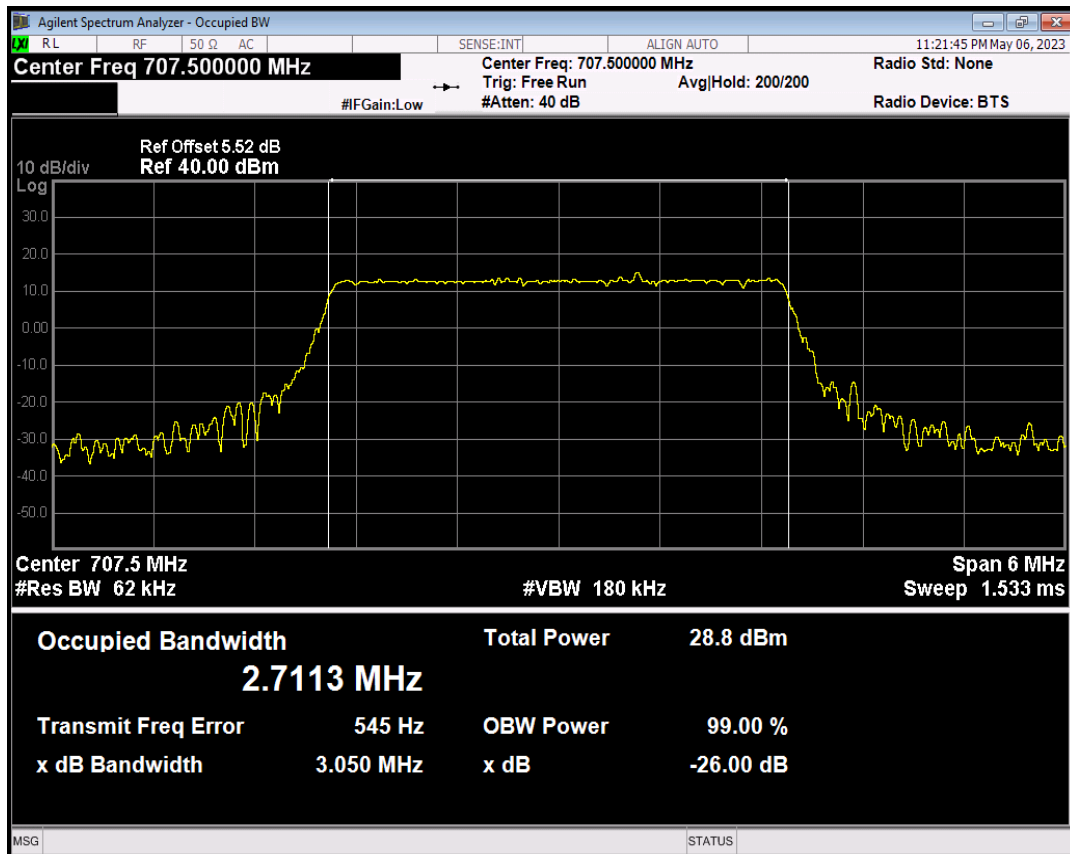
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



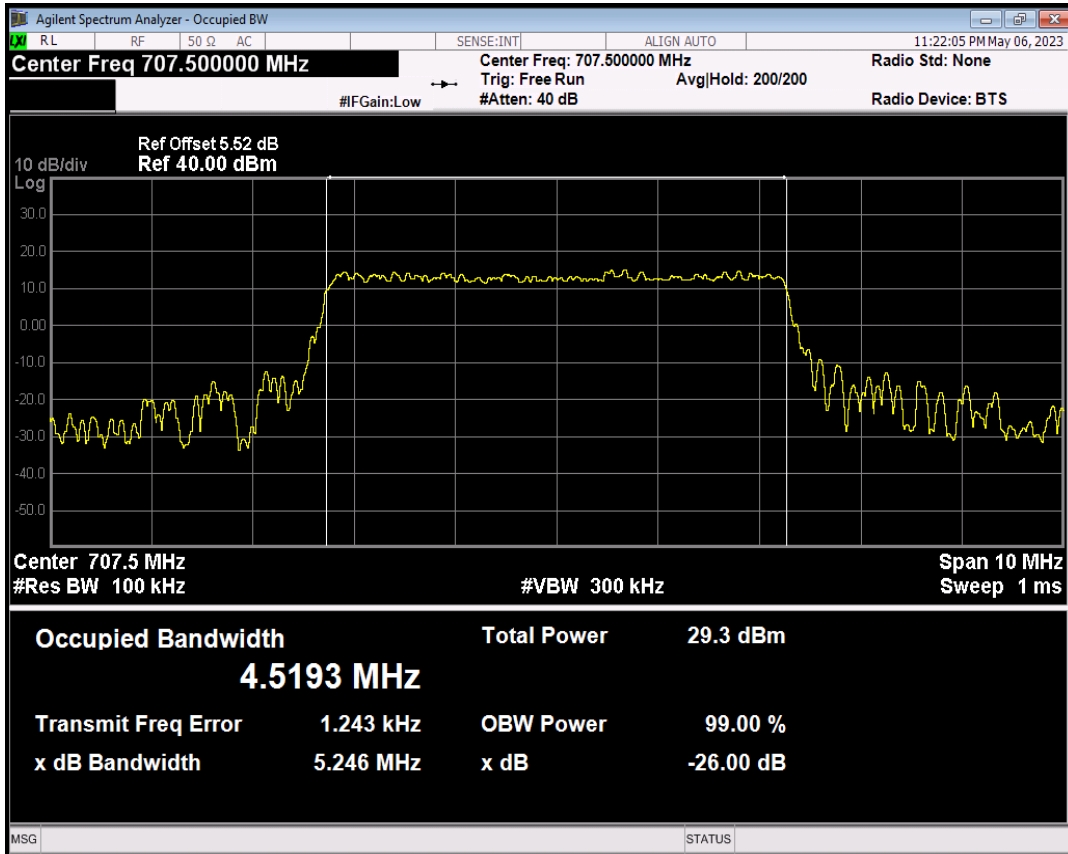
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



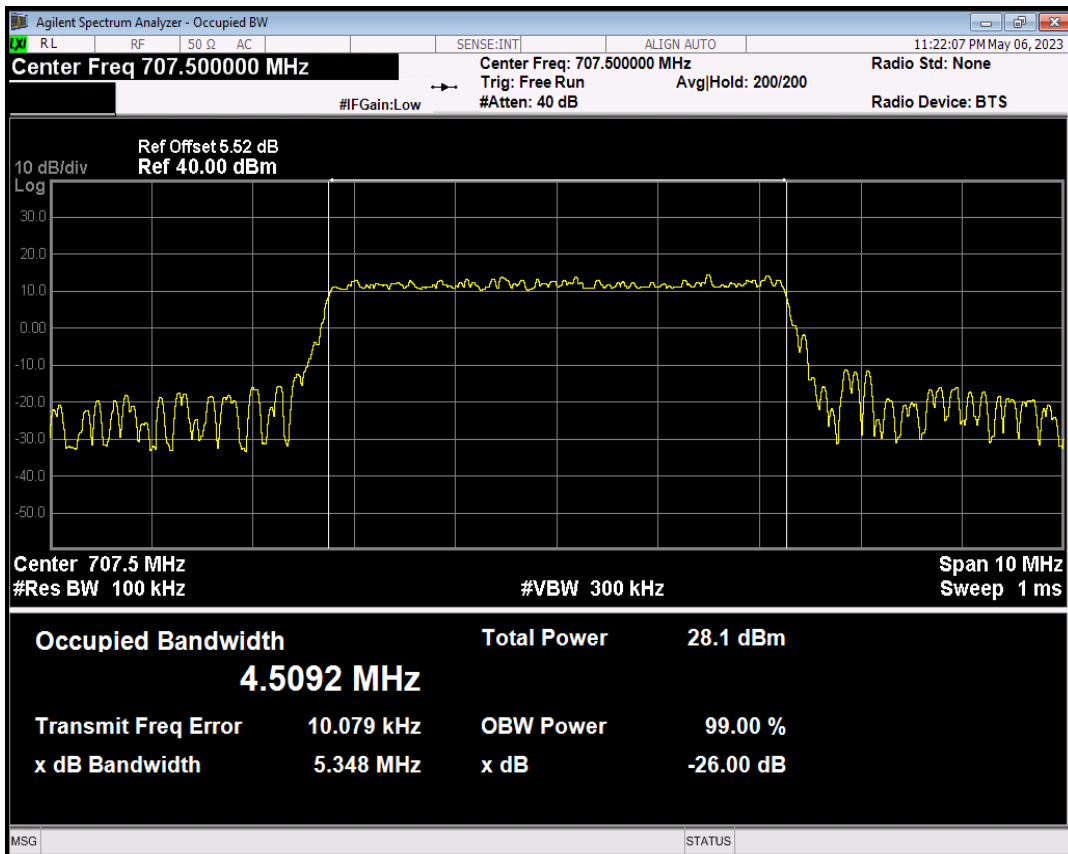
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



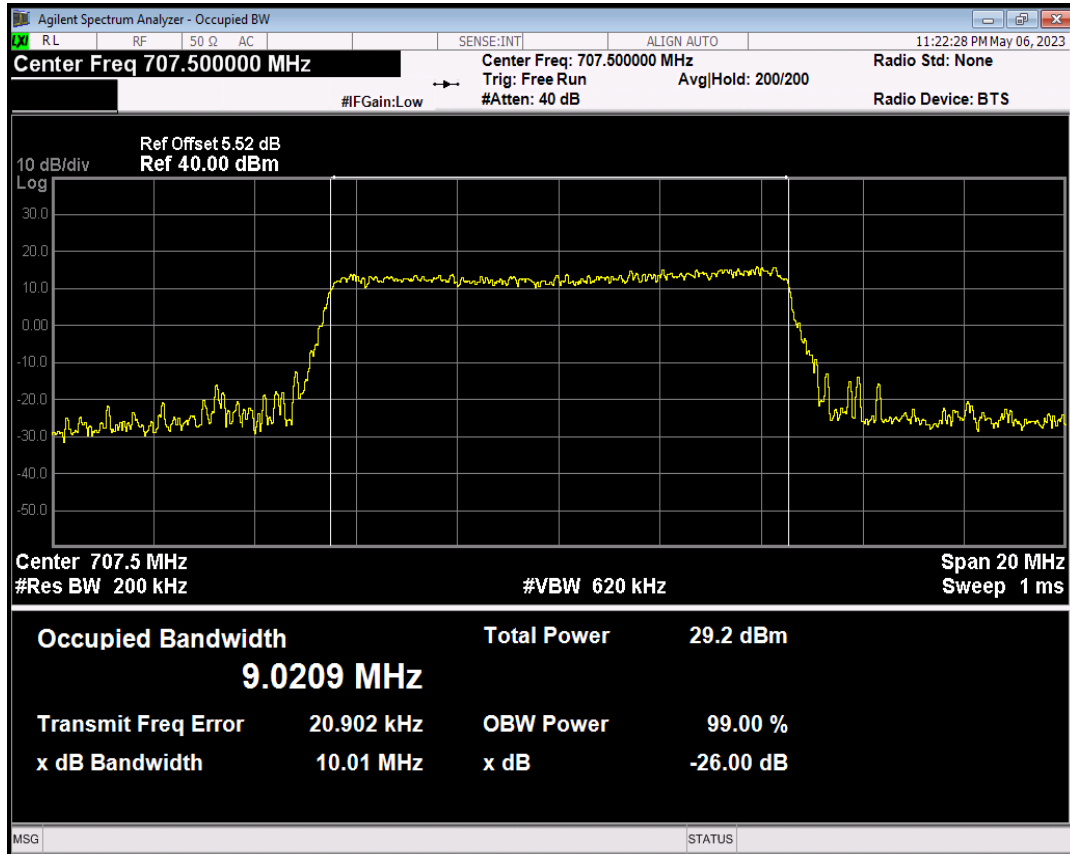
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



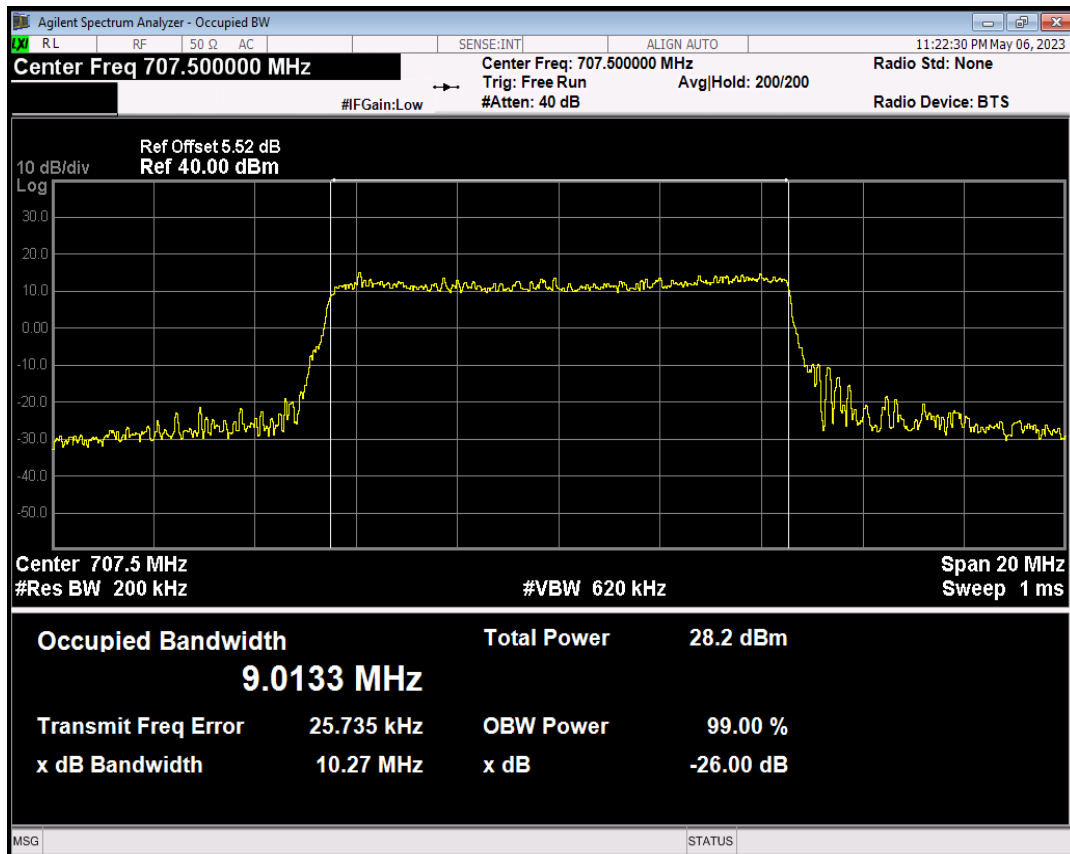
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



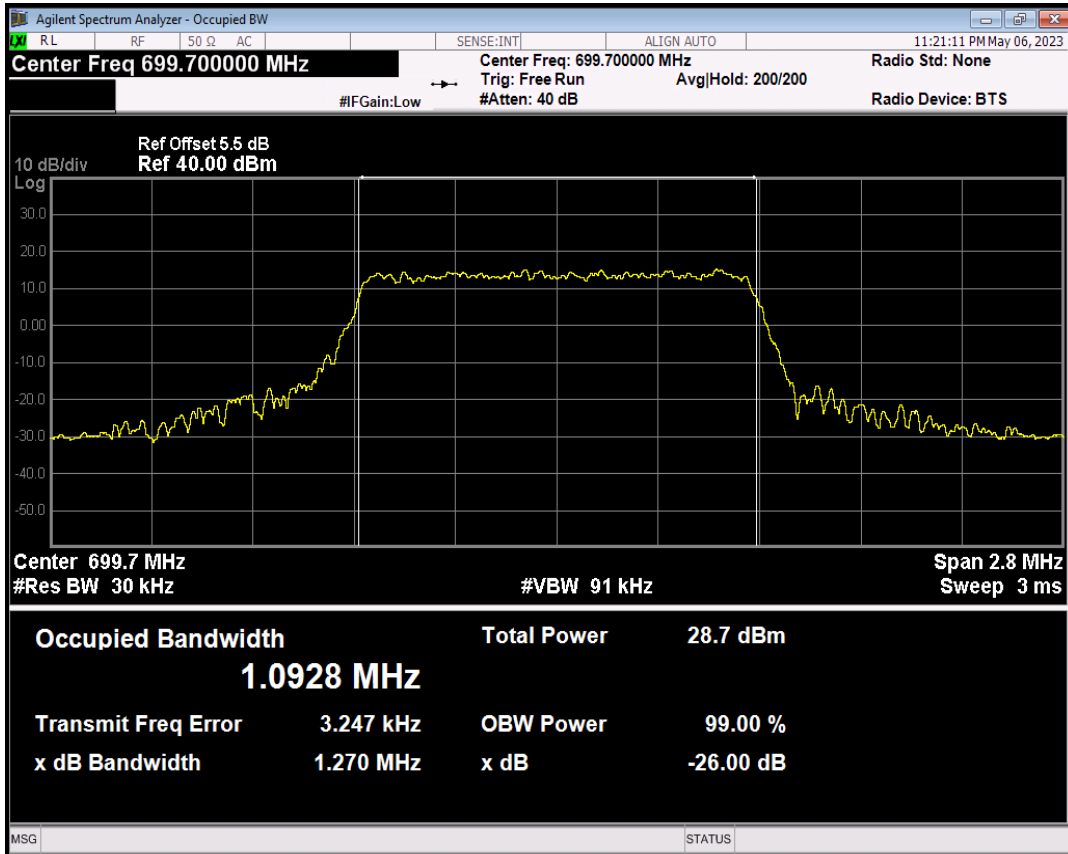
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



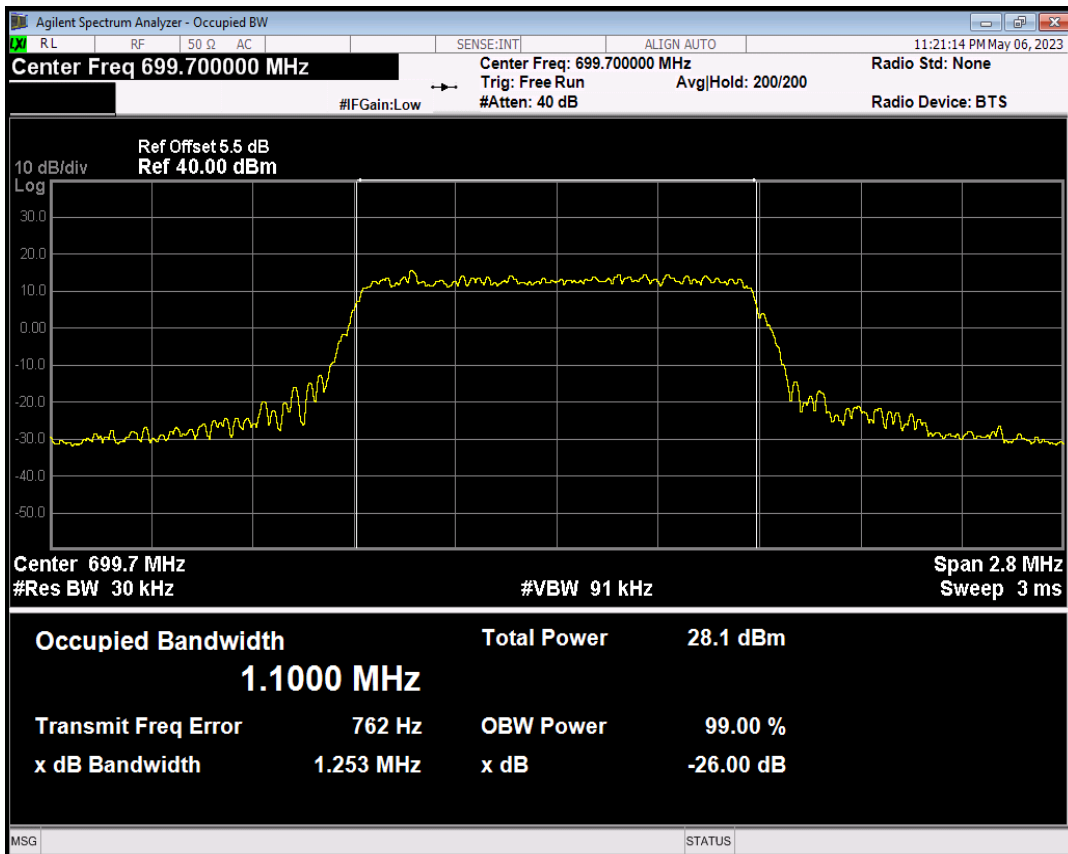
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



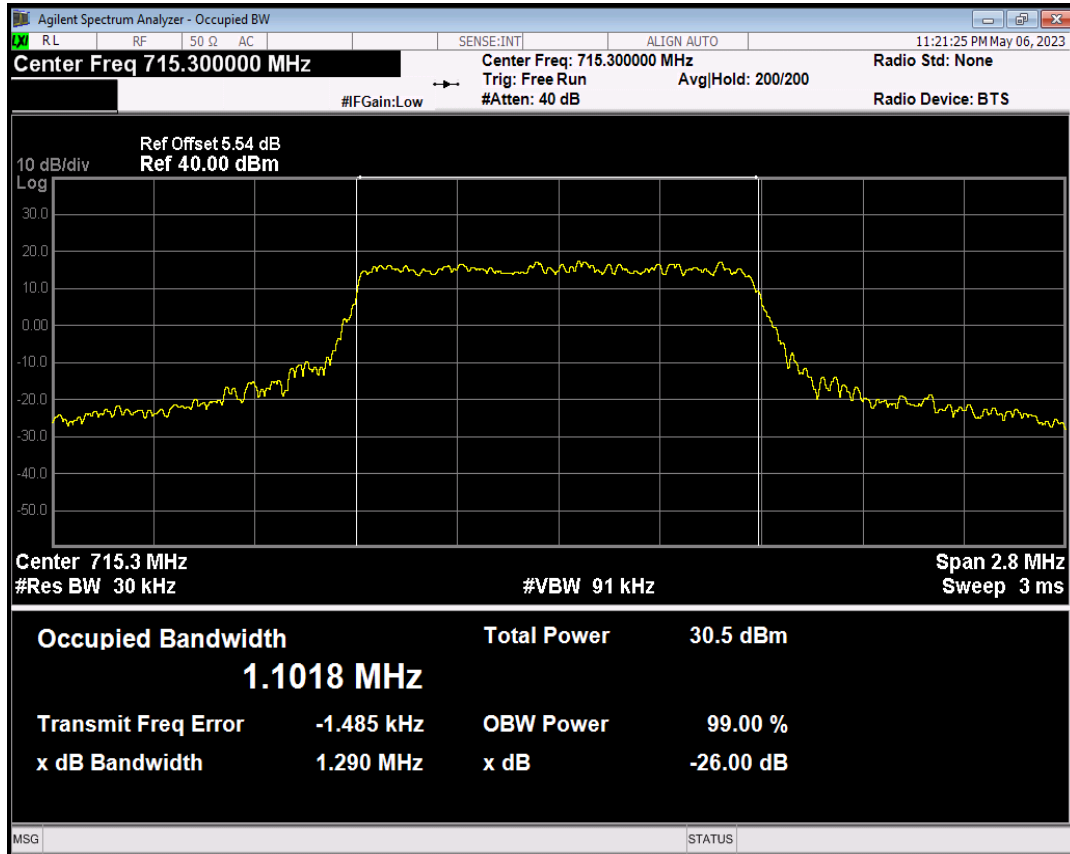
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



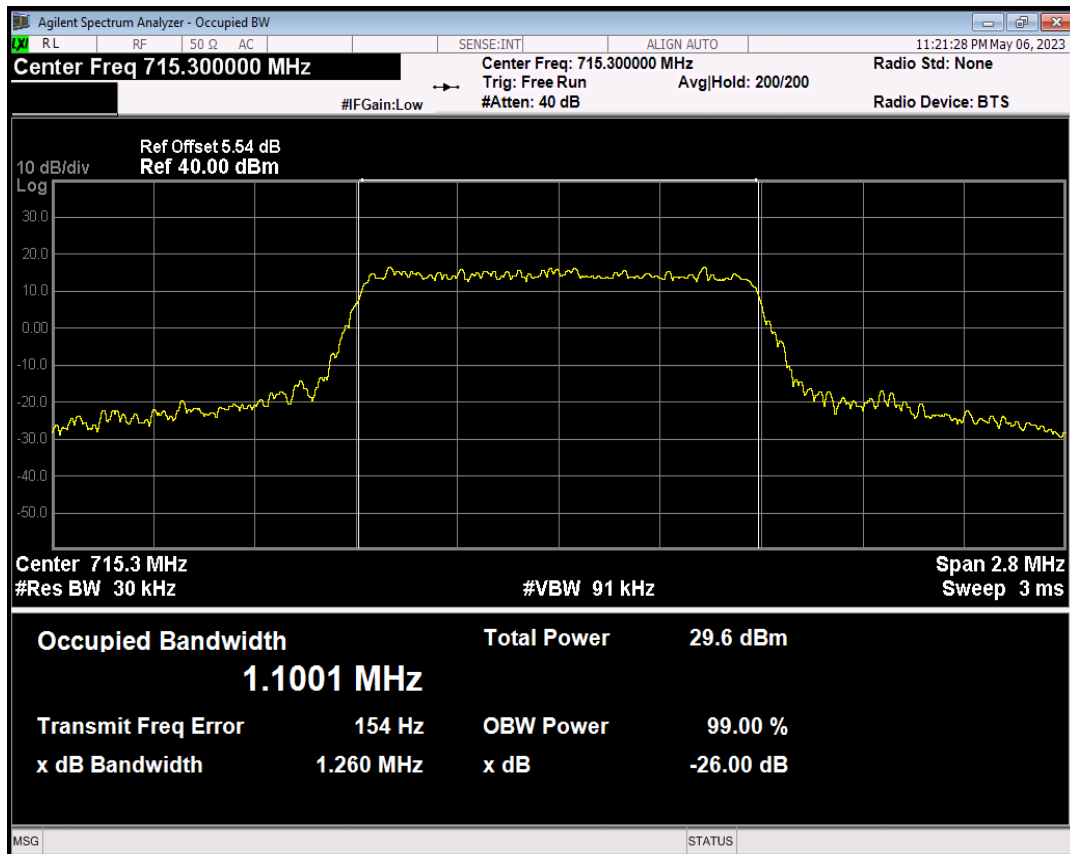
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



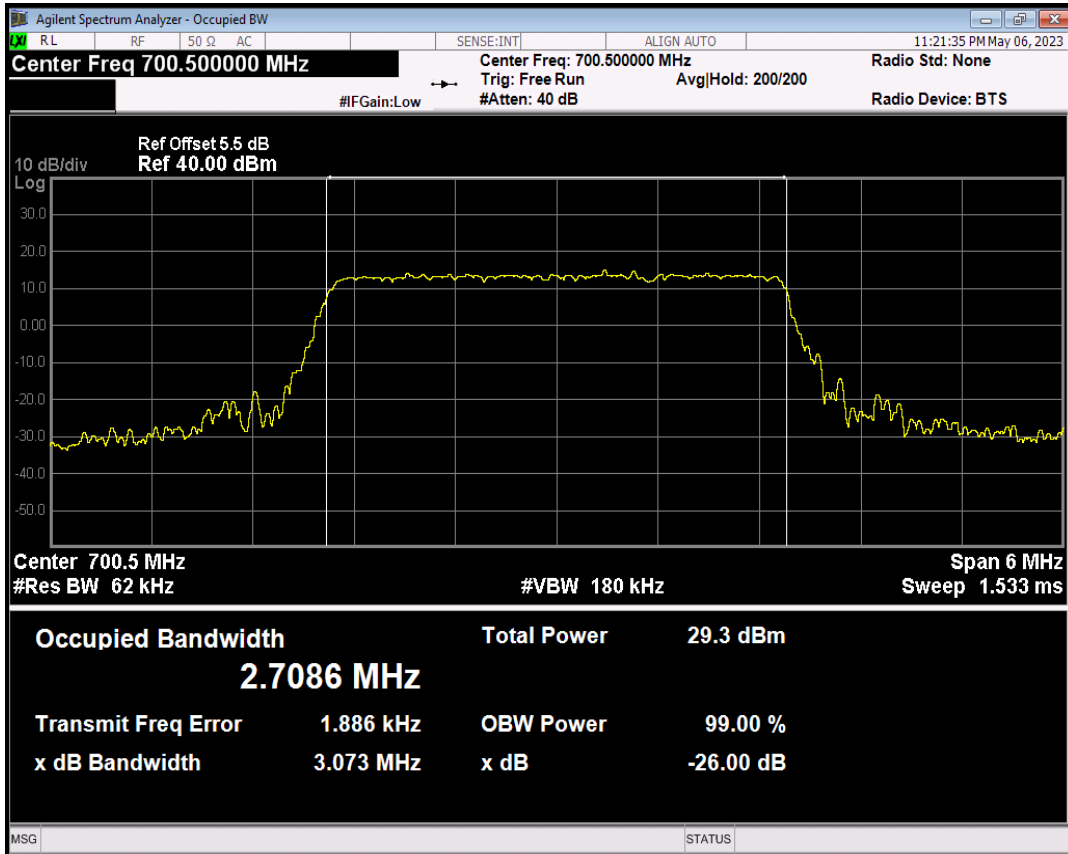
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



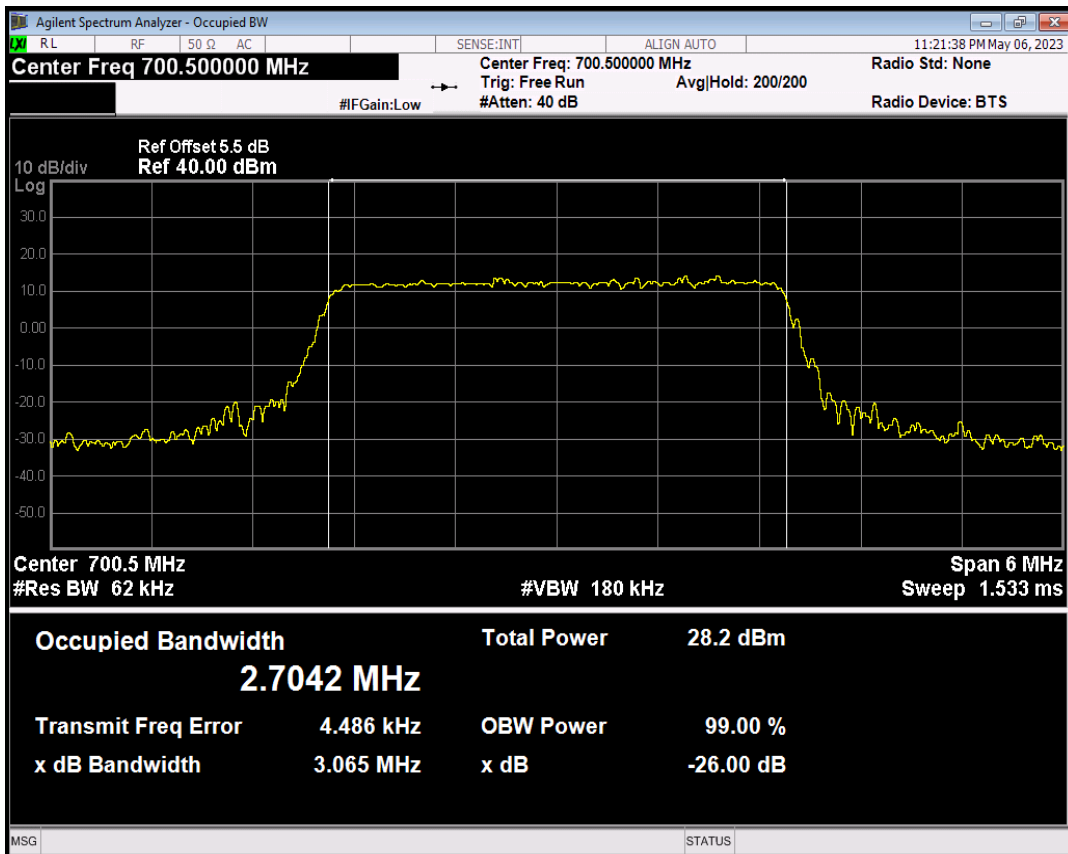
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



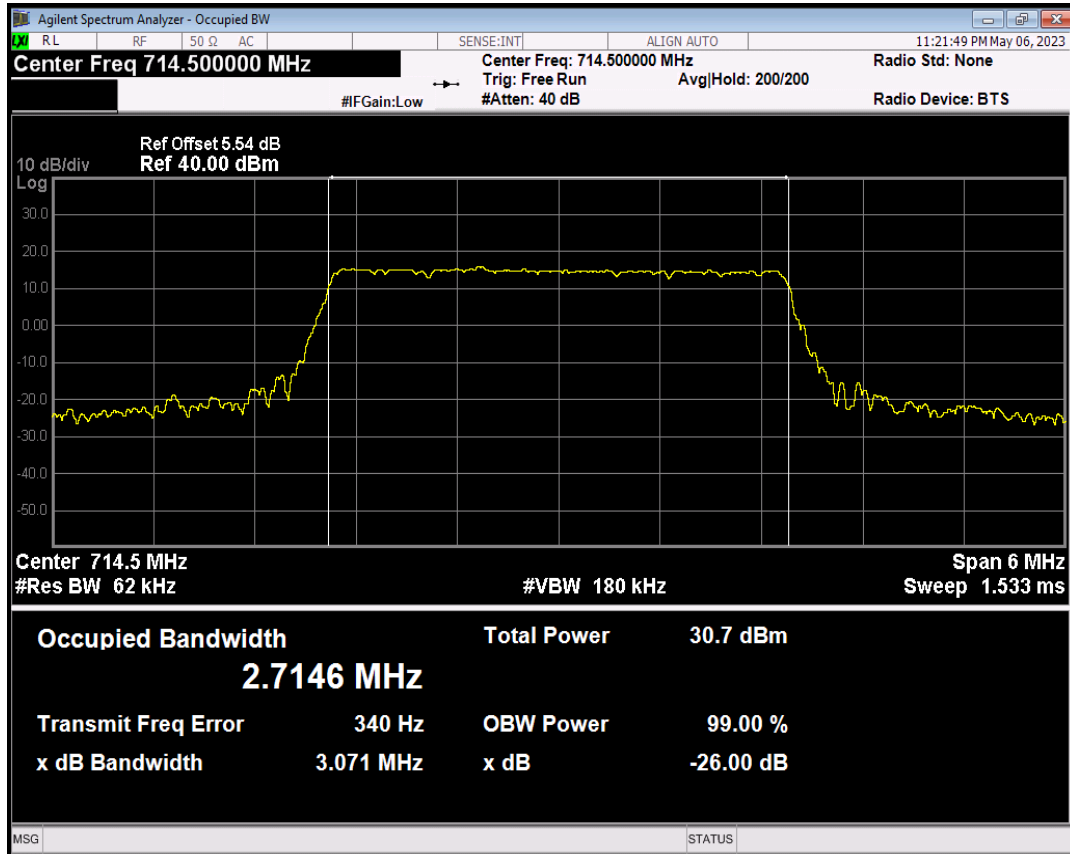
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



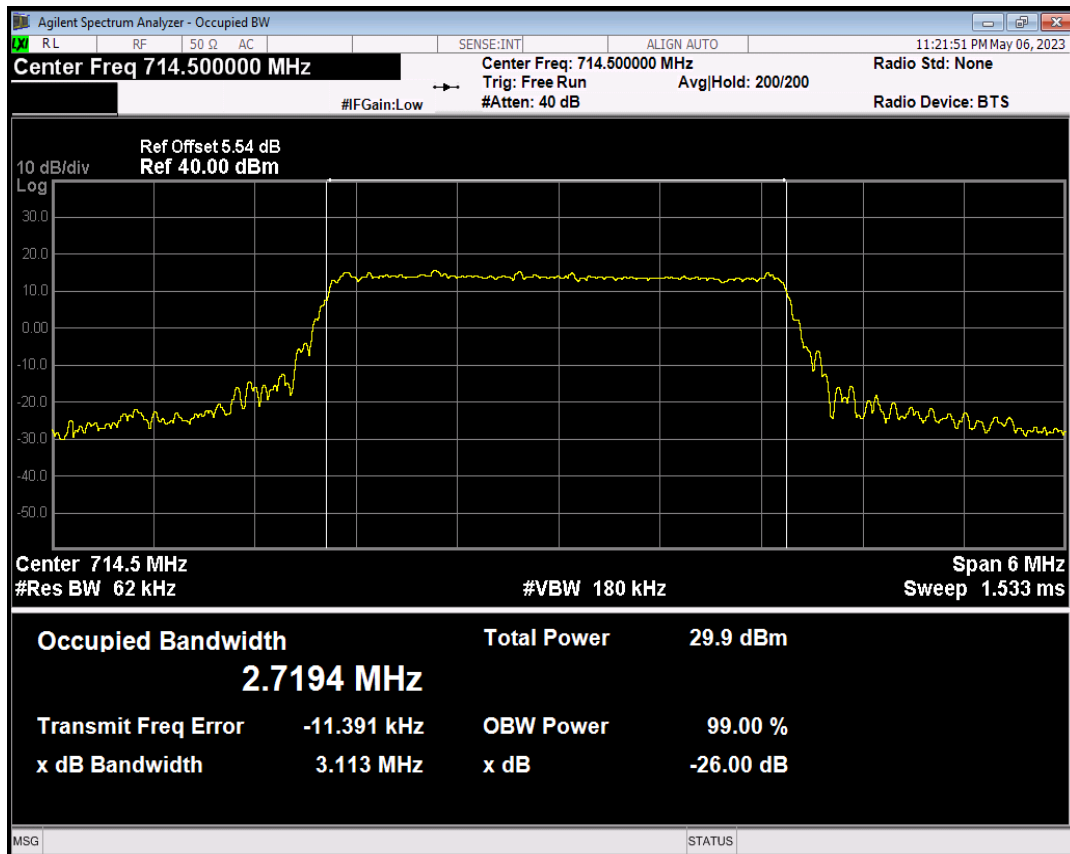
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



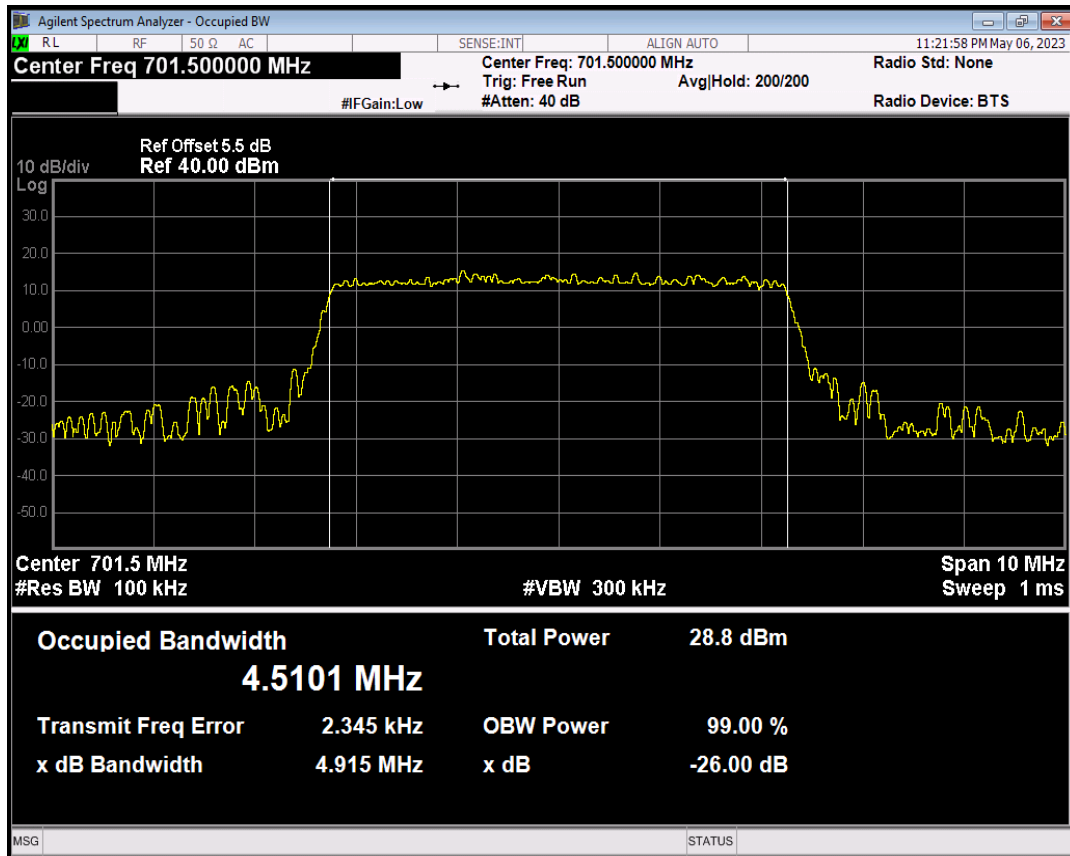
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



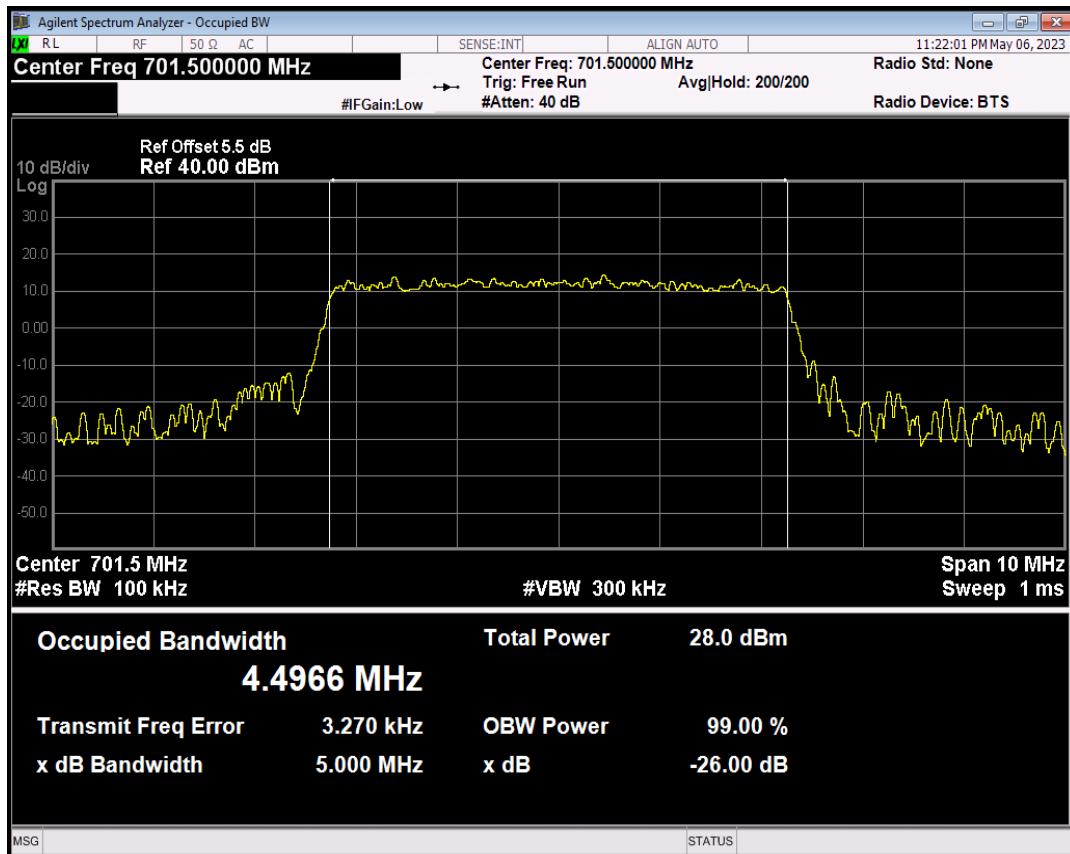
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



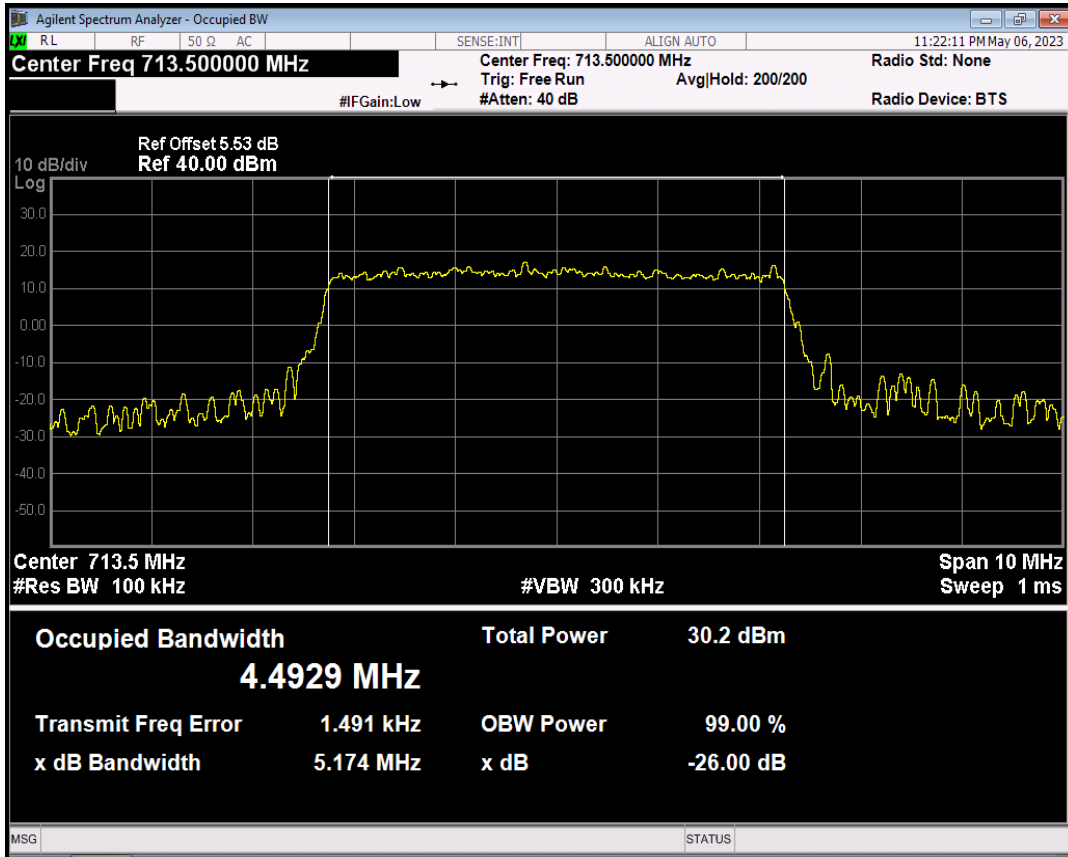
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



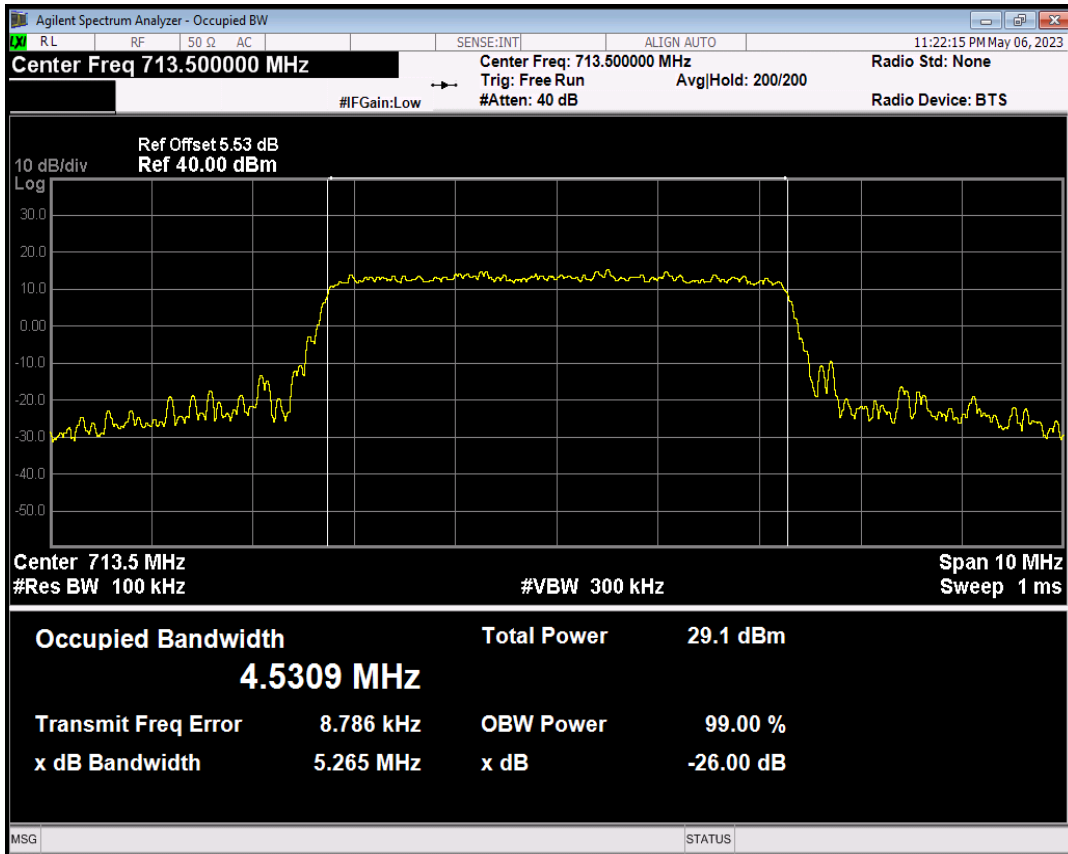
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



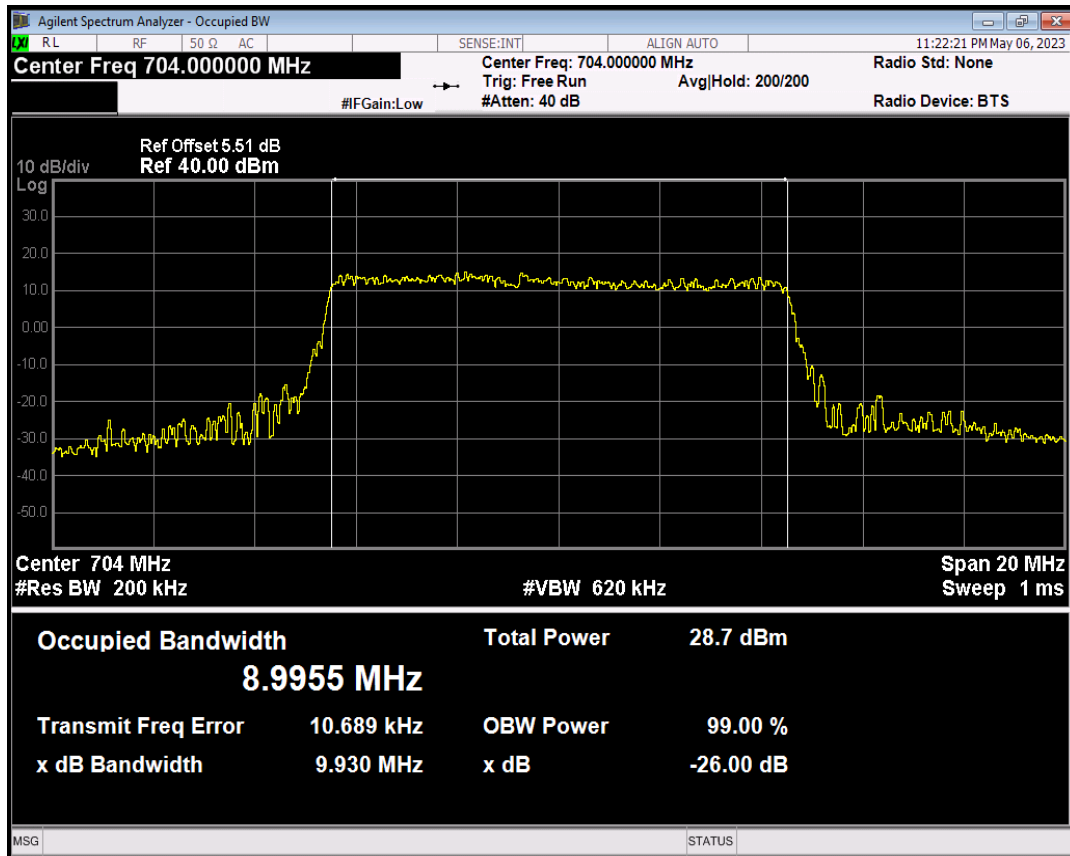
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



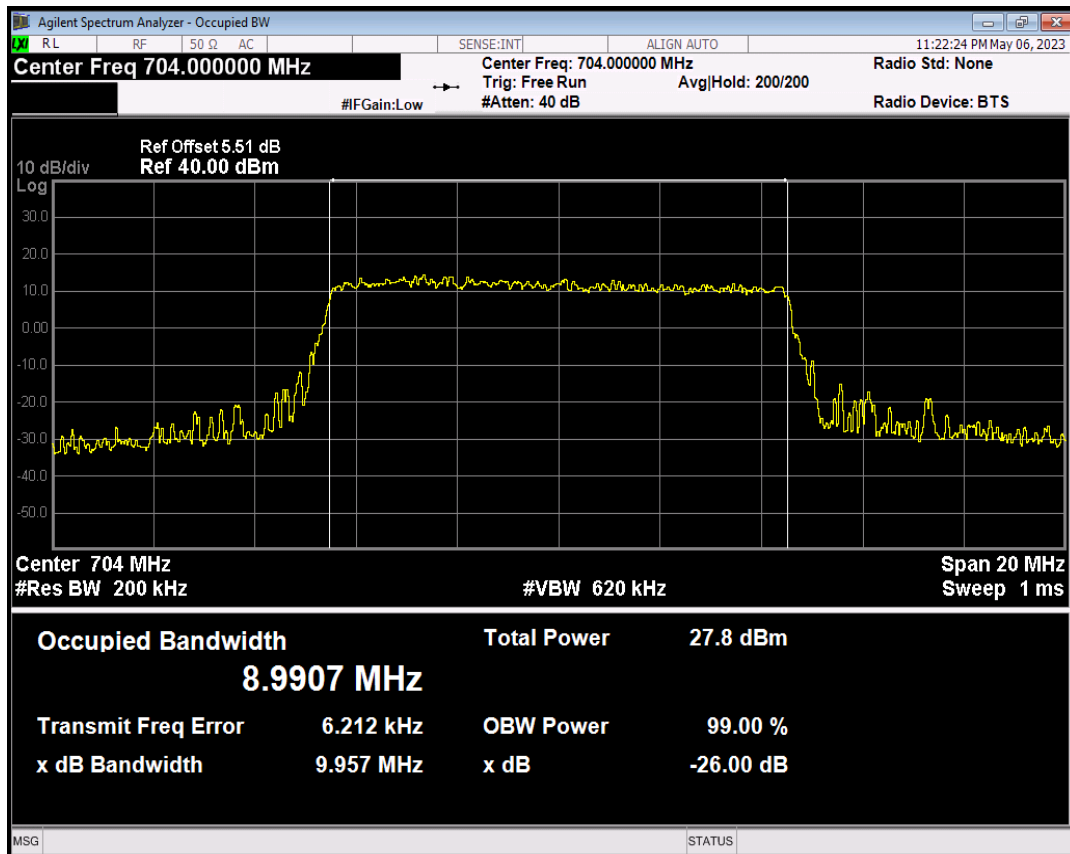
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



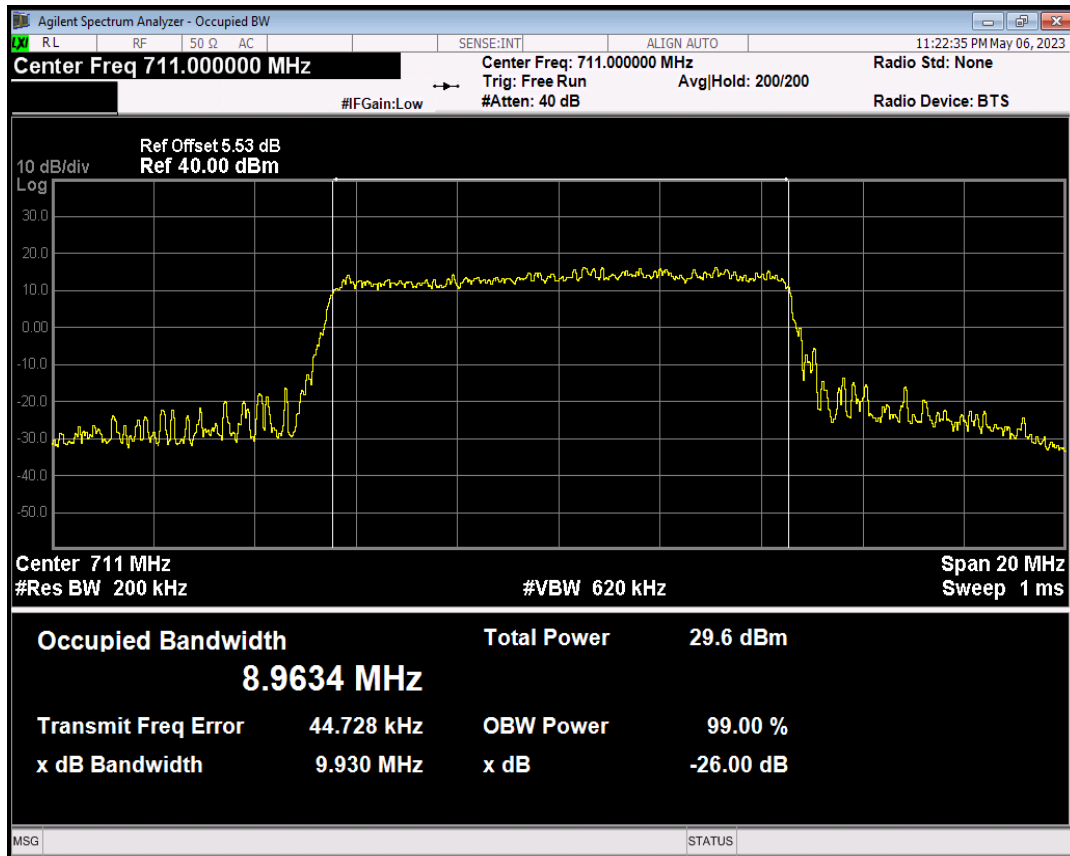
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



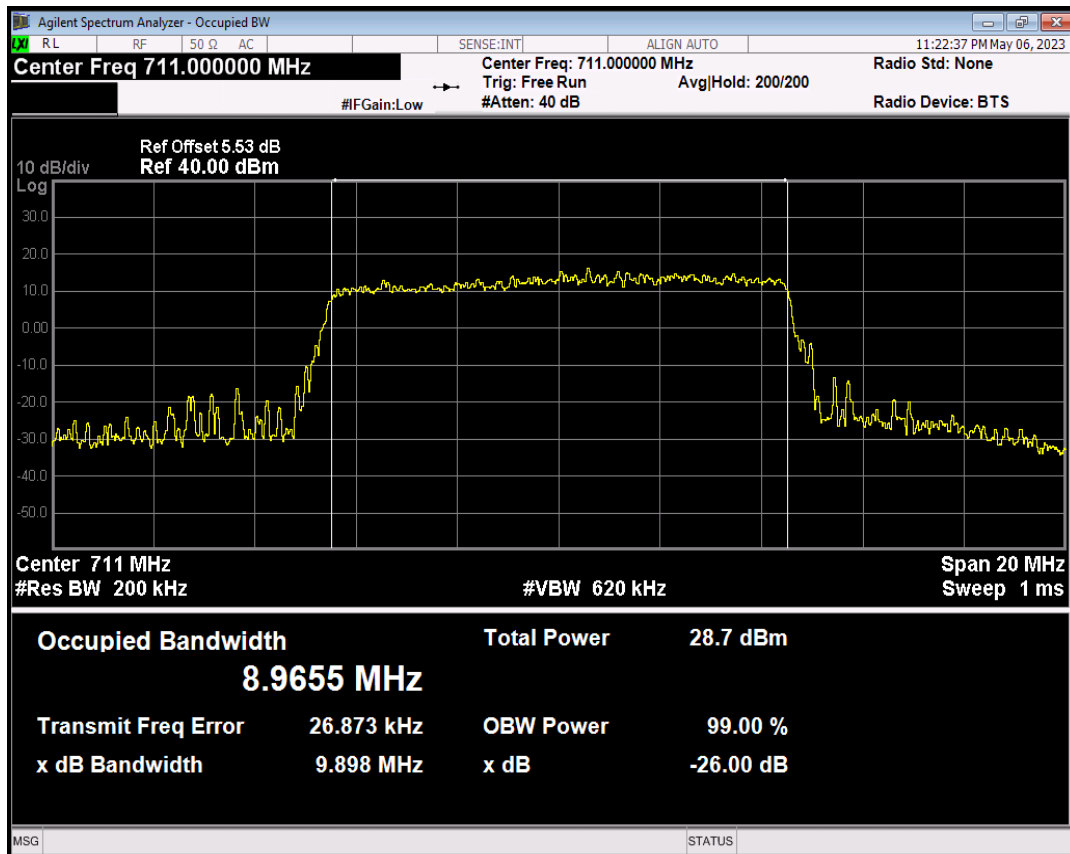
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



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



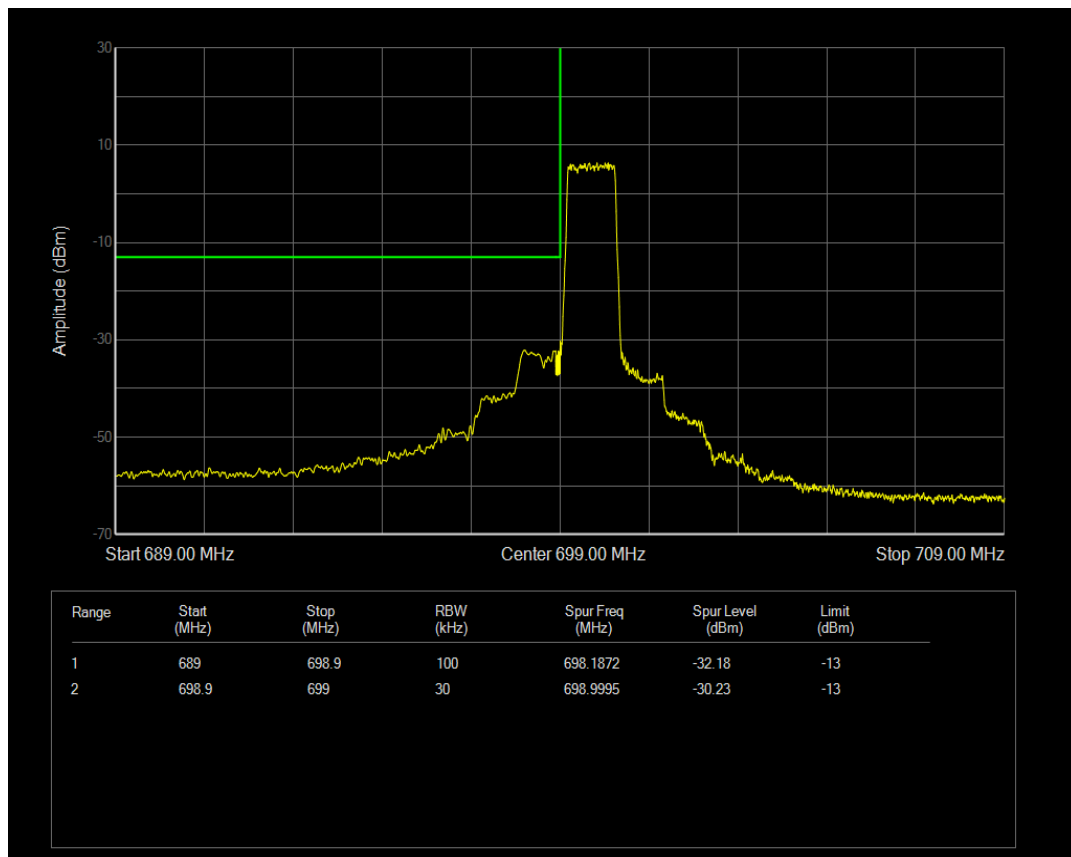
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



Appendix 5. Band edge

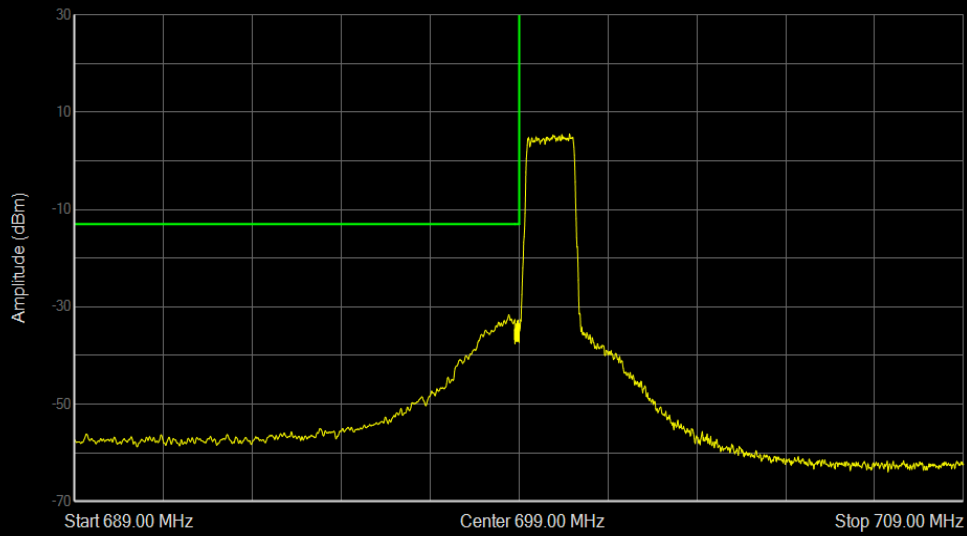
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	699.00	-30.23	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.77	-31.66	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.19	-23.77	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.17	-25.64	-13	PASS
Band12	3	23025	15	#0	QPSK	699.00	-25.13	-13	PASS
Band12	3	23025	15	#0	16QAM	698.99	-26.93	-13	PASS
Band12	3	23165	15	#0	QPSK	716.01	-24.97	-13	PASS
Band12	3	23165	15	#0	16QAM	716.01	-24.87	-13	PASS
Band12	5	23035	25	#0	QPSK	698.84	-29.12	-13	PASS
Band12	5	23035	25	#0	16QAM	698.76	-31.98	-13	PASS
Band12	5	23155	25	#0	QPSK	716.11	-26.88	-13	PASS
Band12	5	23155	25	#0	16QAM	716.00	-30.64	-13	PASS
Band12	10	23060	50	#0	QPSK	698.89	-36.83	-13	PASS
Band12	10	23060	50	#0	16QAM	698.90	-37.81	-13	PASS
Band12	10	23130	50	#0	QPSK	716.30	-32.23	-13	PASS
Band12	10	23130	50	#0	16QAM	716.21	-35.72	-13	PASS

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



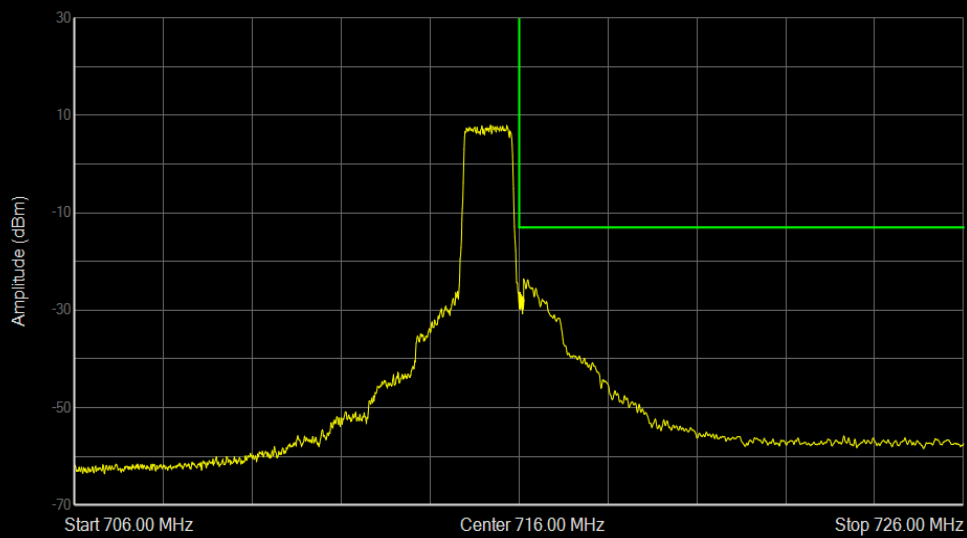


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.7713	-31.66	-13
2	698.9	699	30	698.9715	-32.72	-13

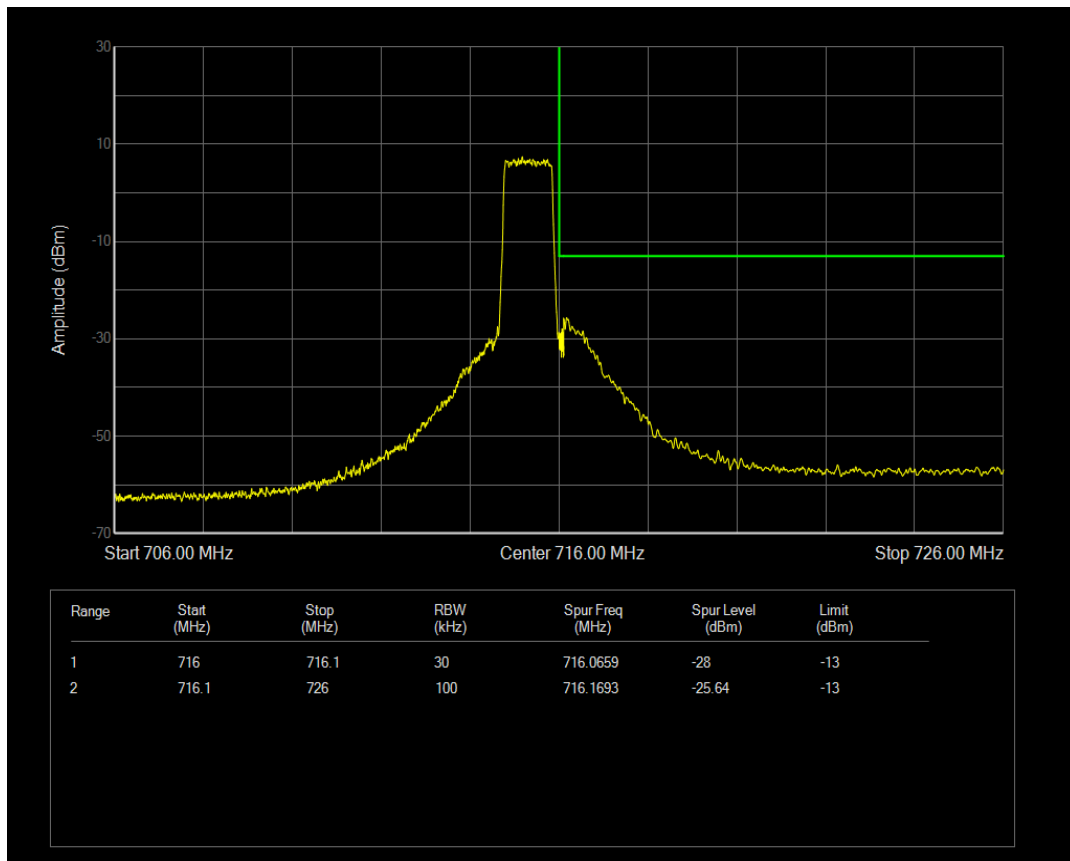
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



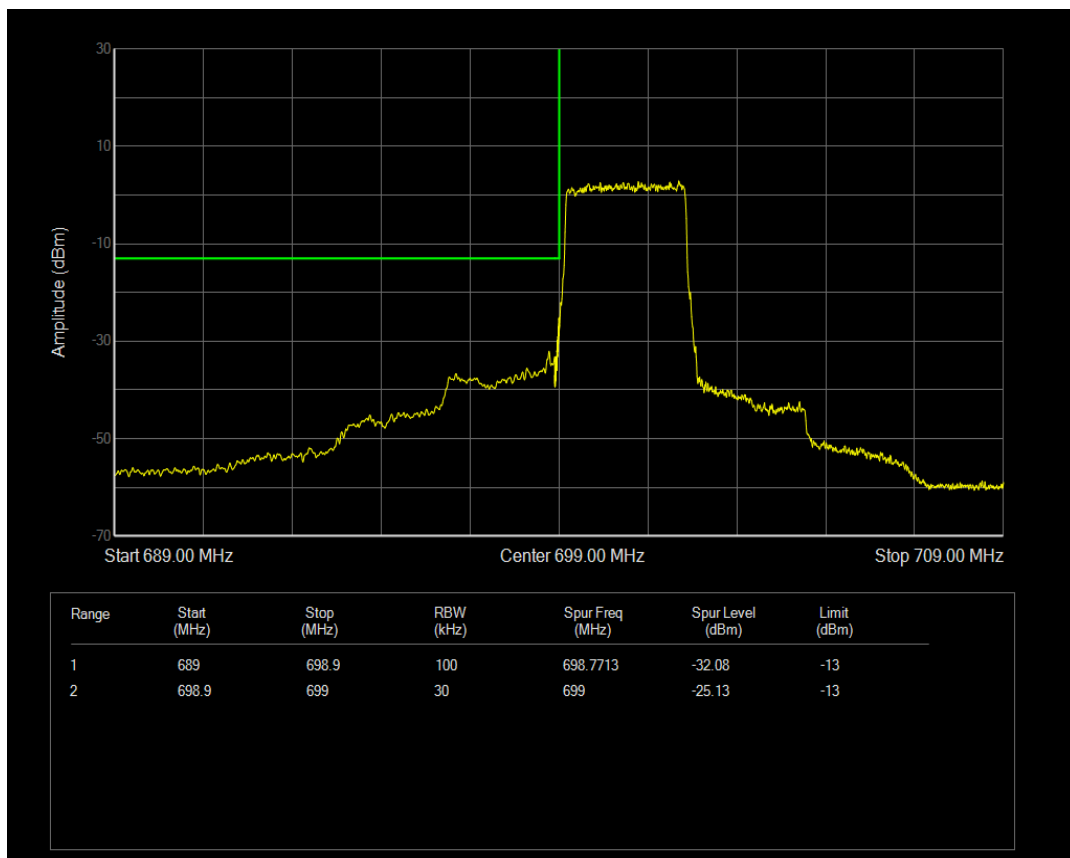
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0126	-26.33	-13
2	716.1	726	100	716.1891	-23.77	-13



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

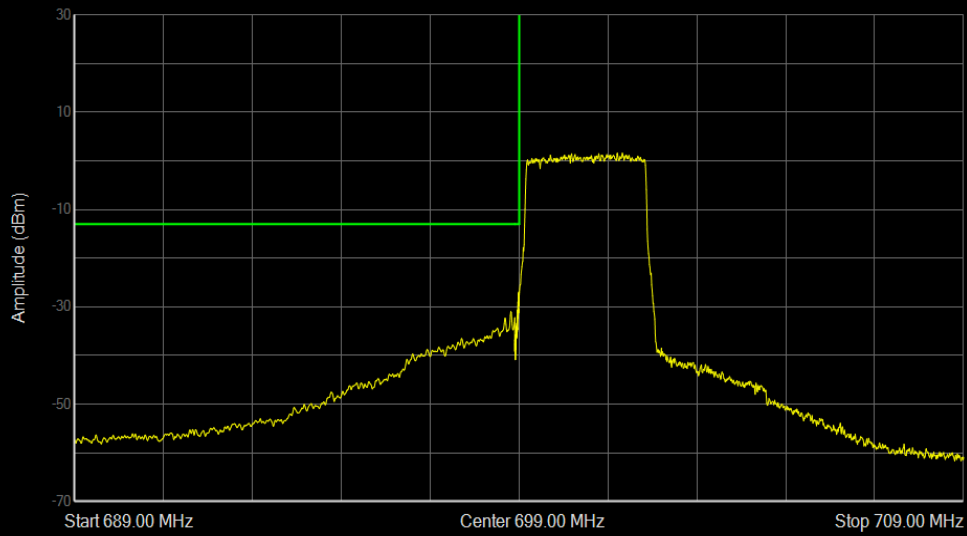


Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



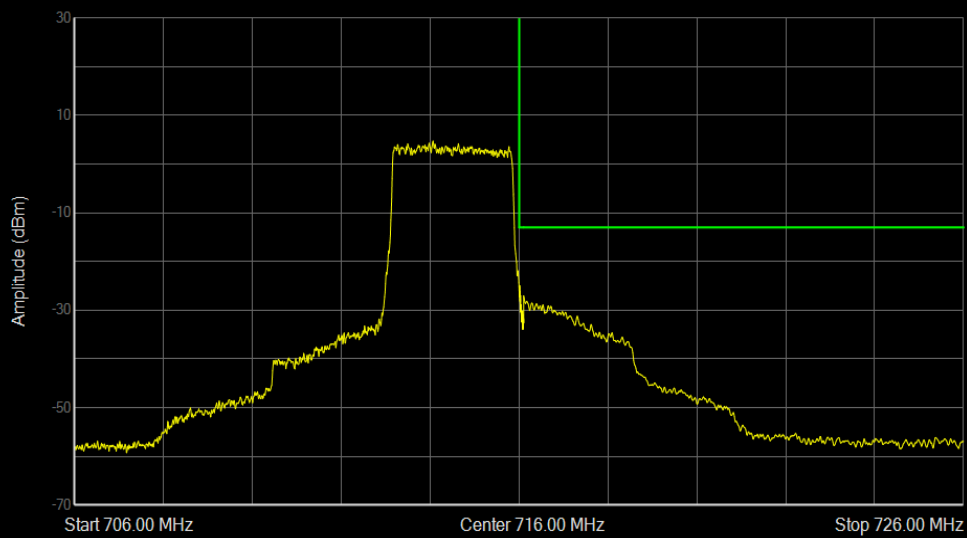


Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.8109	-30.98	-13
2	698.9	699	30	698.9944	-26.93	-13

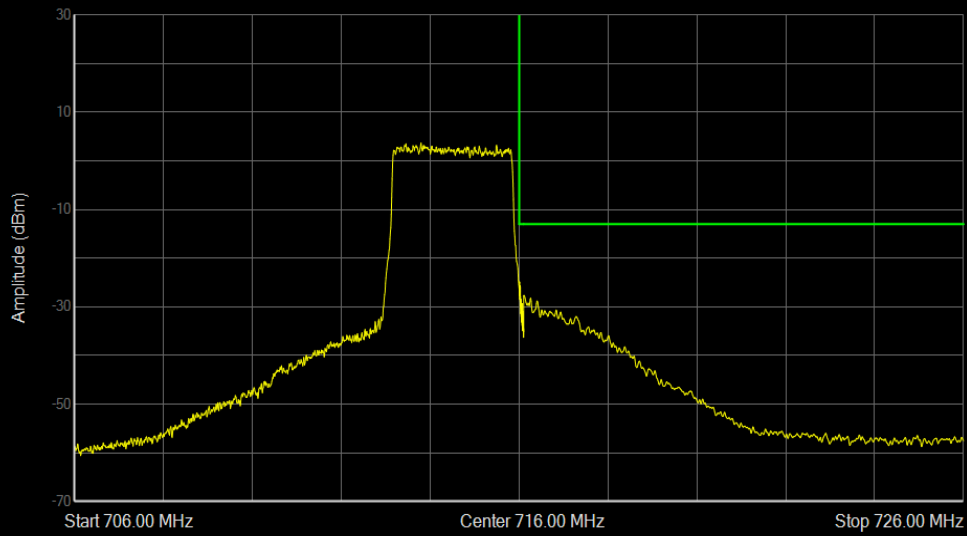
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0086	-24.97	-13
2	716.1	726	100	716.1099	-27.58	-13

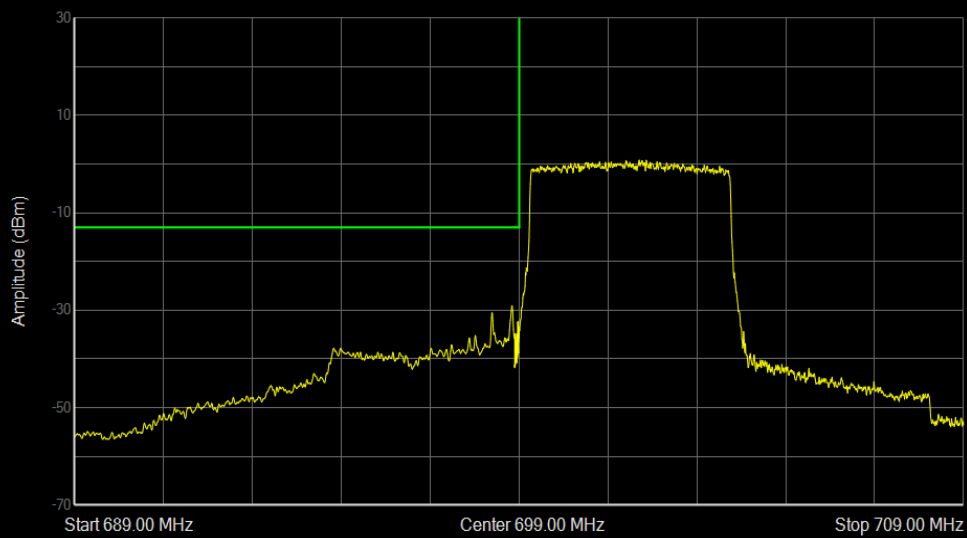


Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0051	-24.87	-13
2	716.1	726	100	716.1099	-27.66	-13

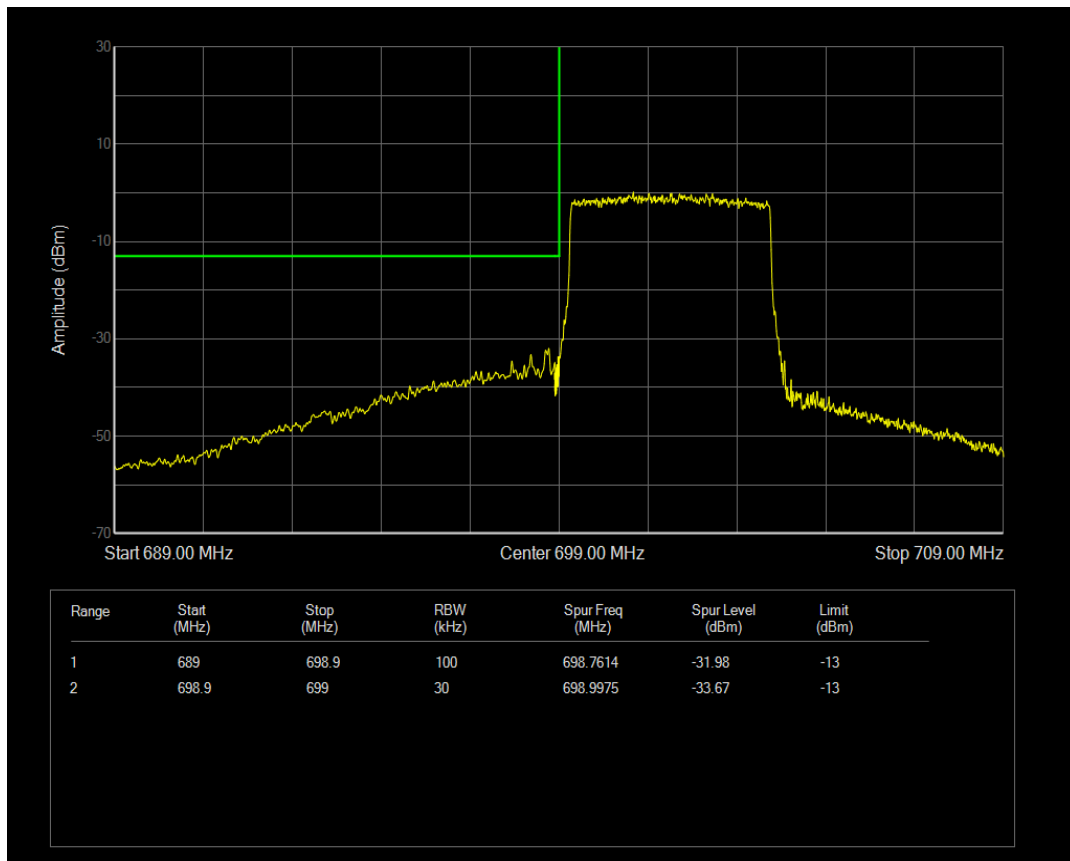
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



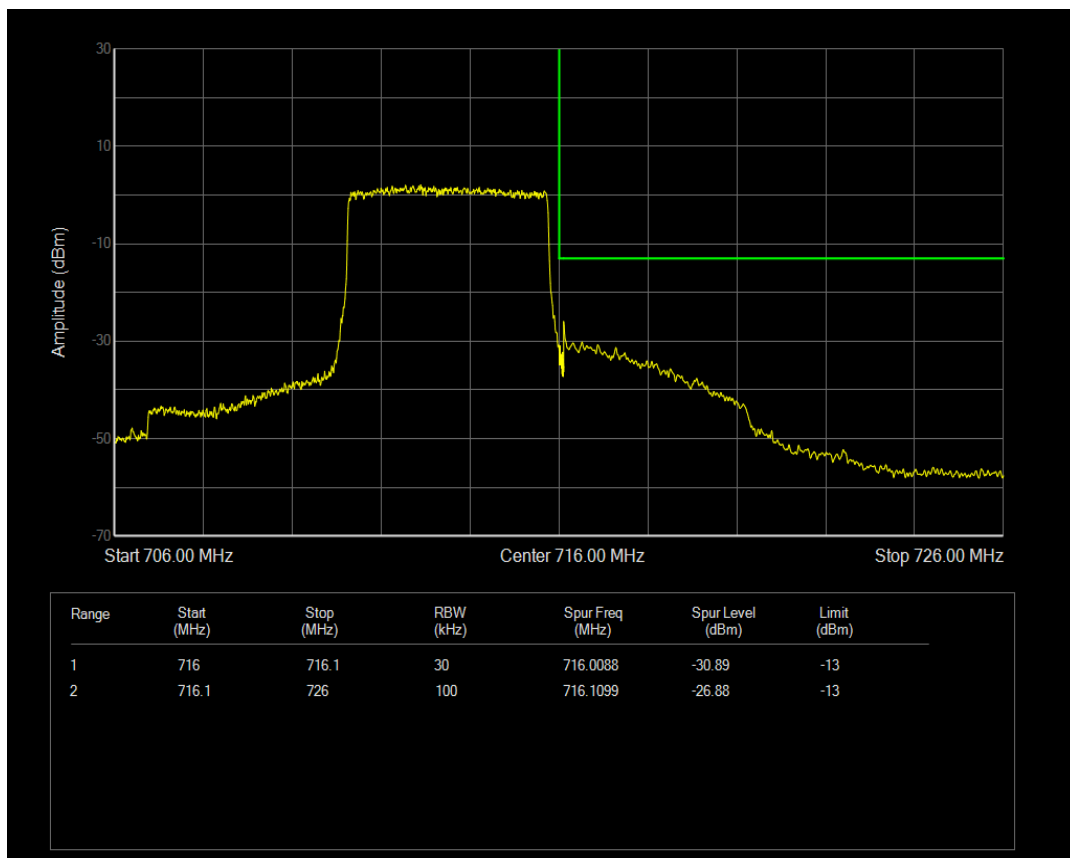
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.8406	-29.12	-13
2	698.9	699	30	698.9632	-32.41	-13



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

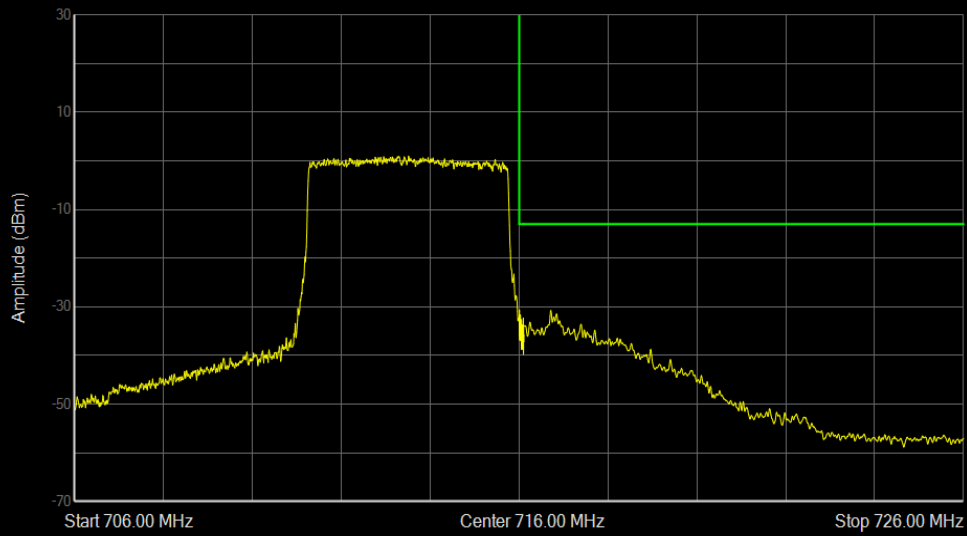


Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



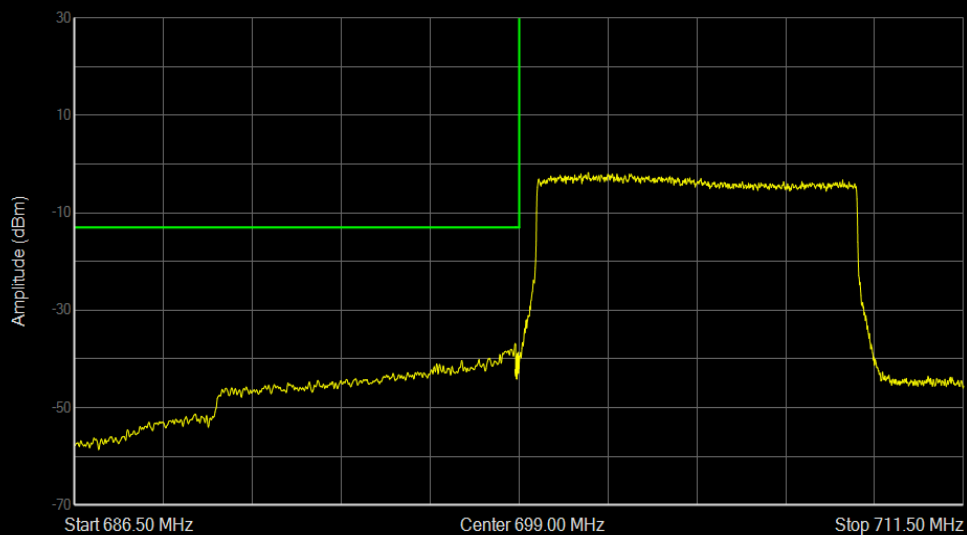


Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0033	-30.64	-13
2	716.1	726	100	716.7138	-30.75	-13

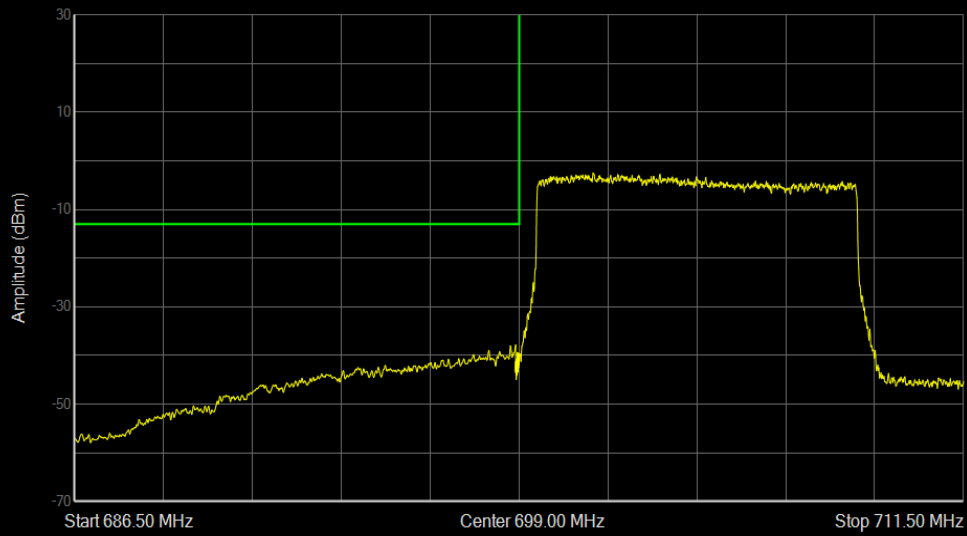
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	686.5	698.9	100	698.8876	-36.83	-13
2	698.9	699	30	698.9671	-38.67	-13

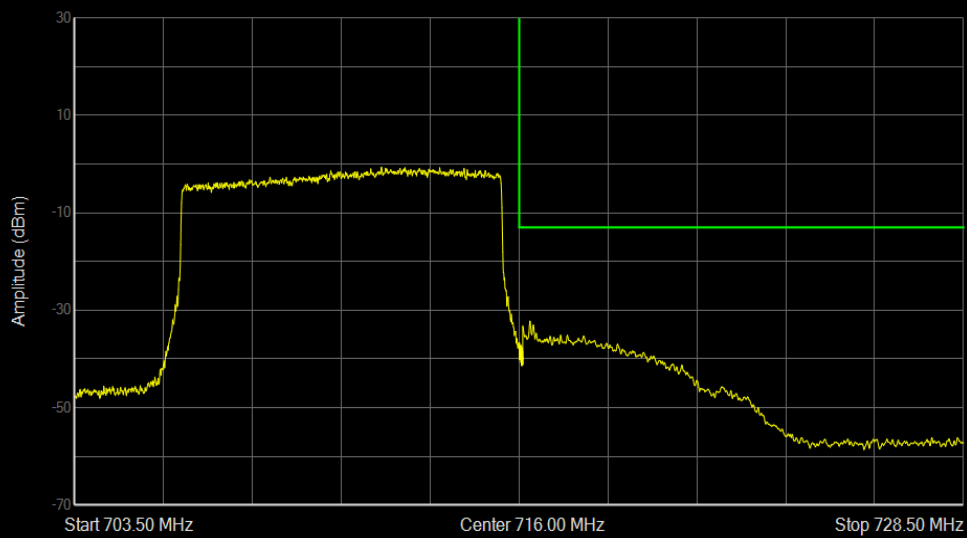


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



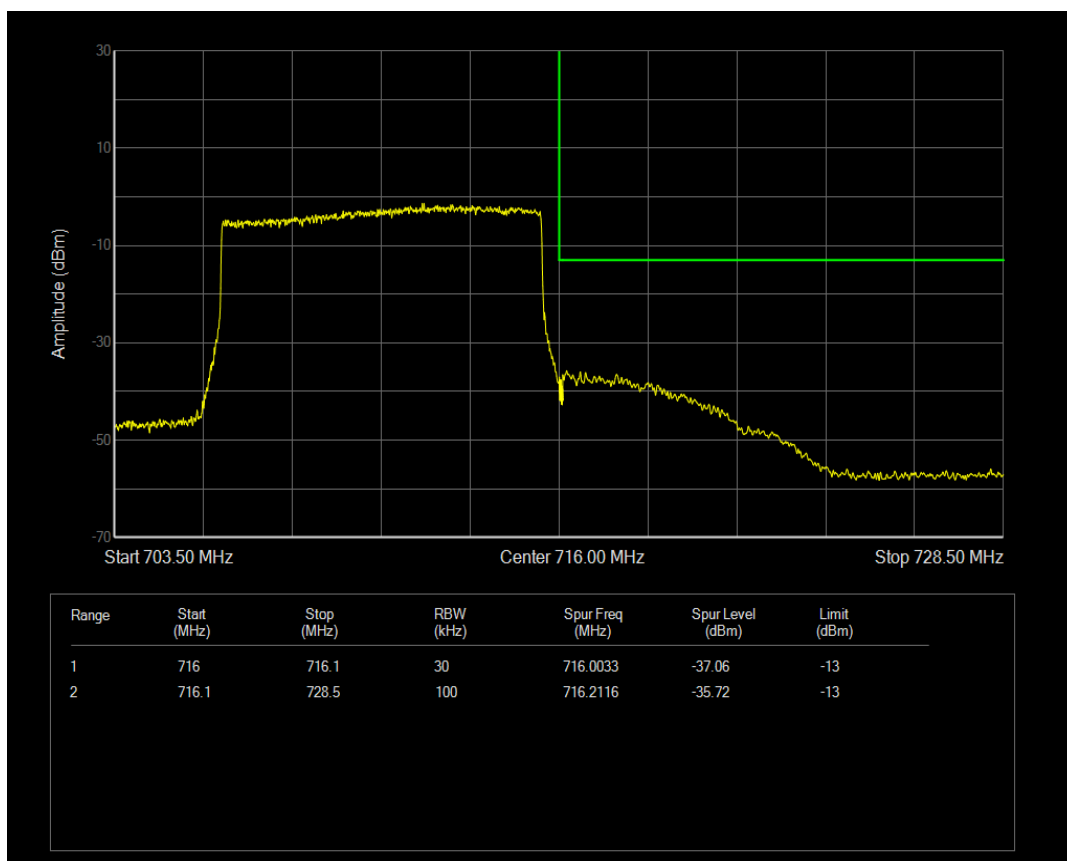
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	686.5	698.9	100	698.9	-37.81	-13
2	698.9	699	30	698.9554	-39.48	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0052	-36.65	-13
2	716.1	728.5	100	716.2984	-32.23	-13

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

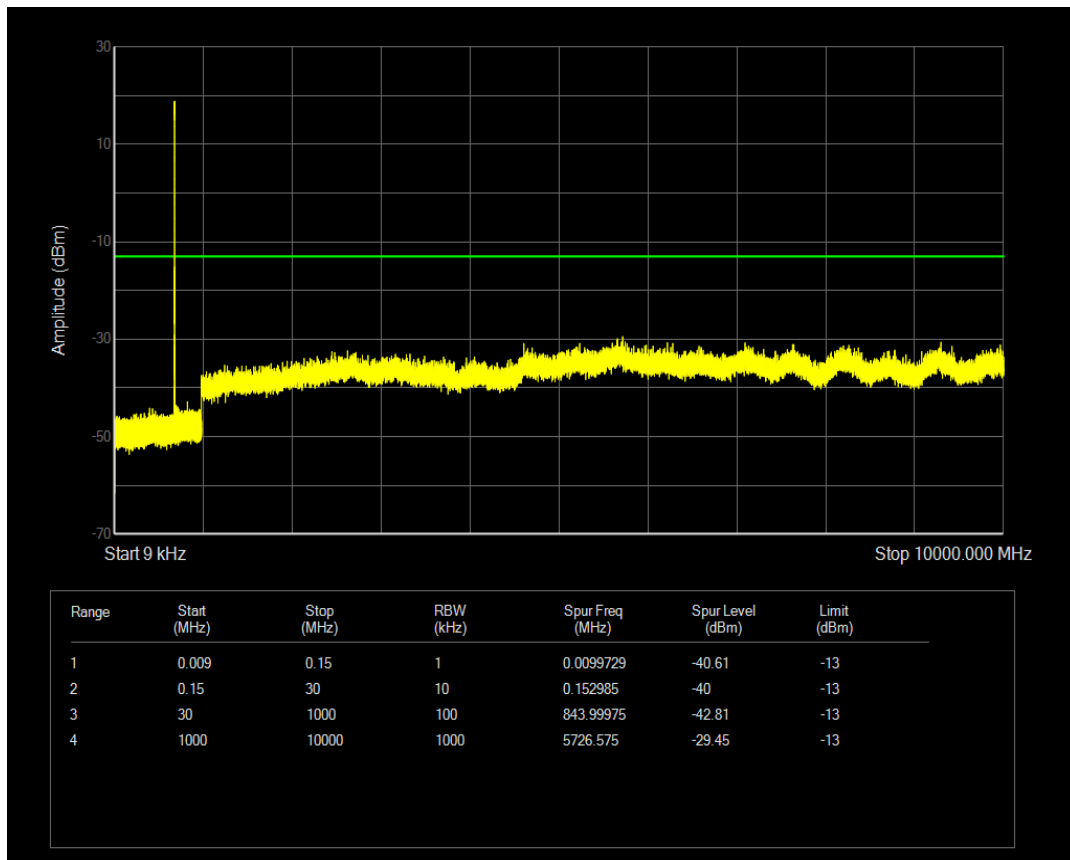


Appendix 6. Out-of-band emissions

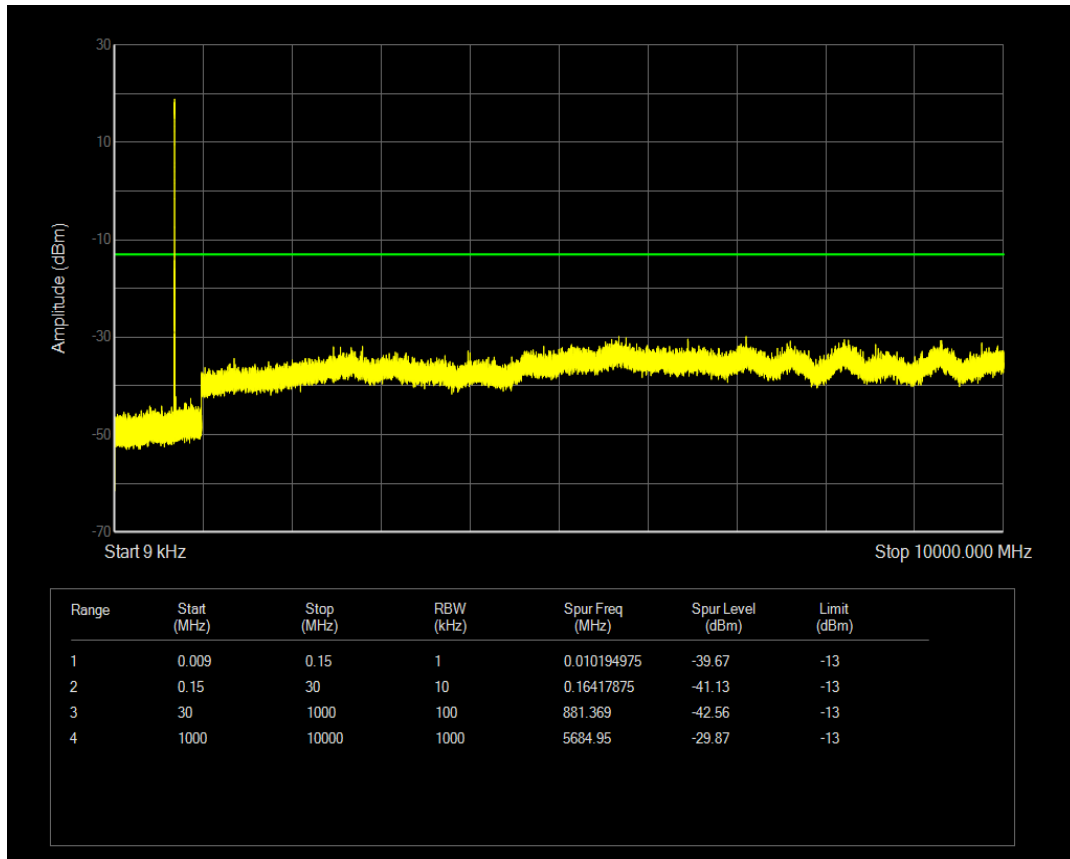
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	5726.58	-29.45	-13	PASS
Band12	1.4	23017	6	#0	16QAM	5684.95	-29.87	-13	PASS
Band12	1.4	23095	6	#0	QPSK	5684.95	-29.85	-13	PASS
Band12	1.4	23095	6	#0	16QAM	5782.15	-29.17	-13	PASS
Band12	1.4	23173	6	#0	QPSK	5774.95	-29.36	-13	PASS
Band12	1.4	23173	6	#0	16QAM	5684.05	-29.34	-13	PASS
Band12	3	23025	15	#0	QPSK	5690.13	-29.79	-13	PASS
Band12	3	23025	15	#0	16QAM	5700.93	-30.06	-13	PASS
Band12	3	23095	15	#0	QPSK	7072.53	-30.29	-13	PASS
Band12	3	23095	15	#0	16QAM	5795.88	-29.62	-13	PASS
Band12	3	23165	15	#0	QPSK	5630.73	-29.47	-13	PASS
Band12	3	23165	15	#0	16QAM	7126.30	-30.11	-13	PASS
Band12	5	23035	25	#0	QPSK	5656.38	-29.92	-13	PASS
Band12	5	23035	25	#0	16QAM	5673.25	-29.85	-13	PASS
Band12	5	23095	25	#0	QPSK	8218.00	-30.03	-13	PASS
Band12	5	23095	25	#0	16QAM	5641.53	-28.95	-13	PASS

Band12	5	23155	25	#0	QPSK	5731.98	-29.28	-13	PASS
Band12	5	23155	25	#0	16QAM	5661.78	-30.04	-13	PASS
Band12	10	23060	50	#0	QPSK	5732.65	-29.09	-13	PASS
Band12	10	23060	50	#0	16QAM	5812.30	-30.30	-13	PASS
Band12	10	23095	50	#0	QPSK	5729.50	-30.04	-13	PASS
Band12	10	23095	50	#0	16QAM	5720.73	-29.78	-13	PASS
Band12	10	23130	50	#0	QPSK	7084.90	-29.51	-13	PASS
Band12	10	23130	50	#0	16QAM	7641.10	-30.11	-13	PASS

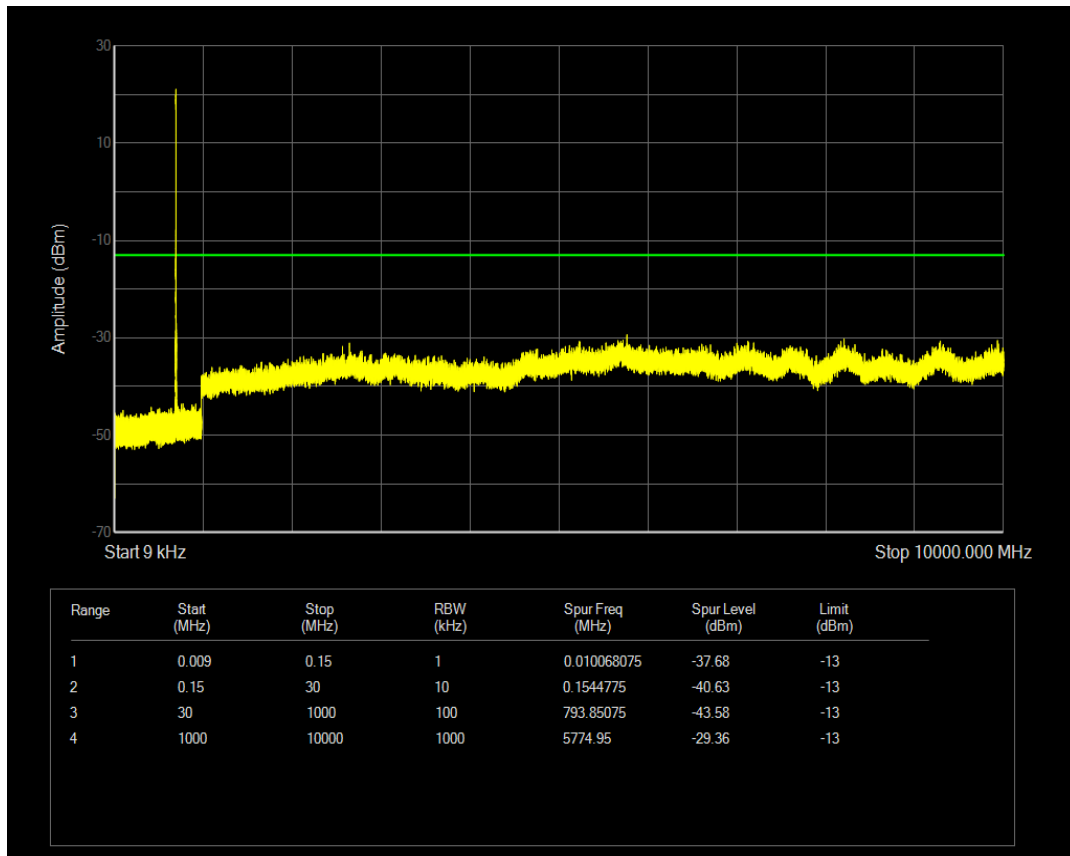
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



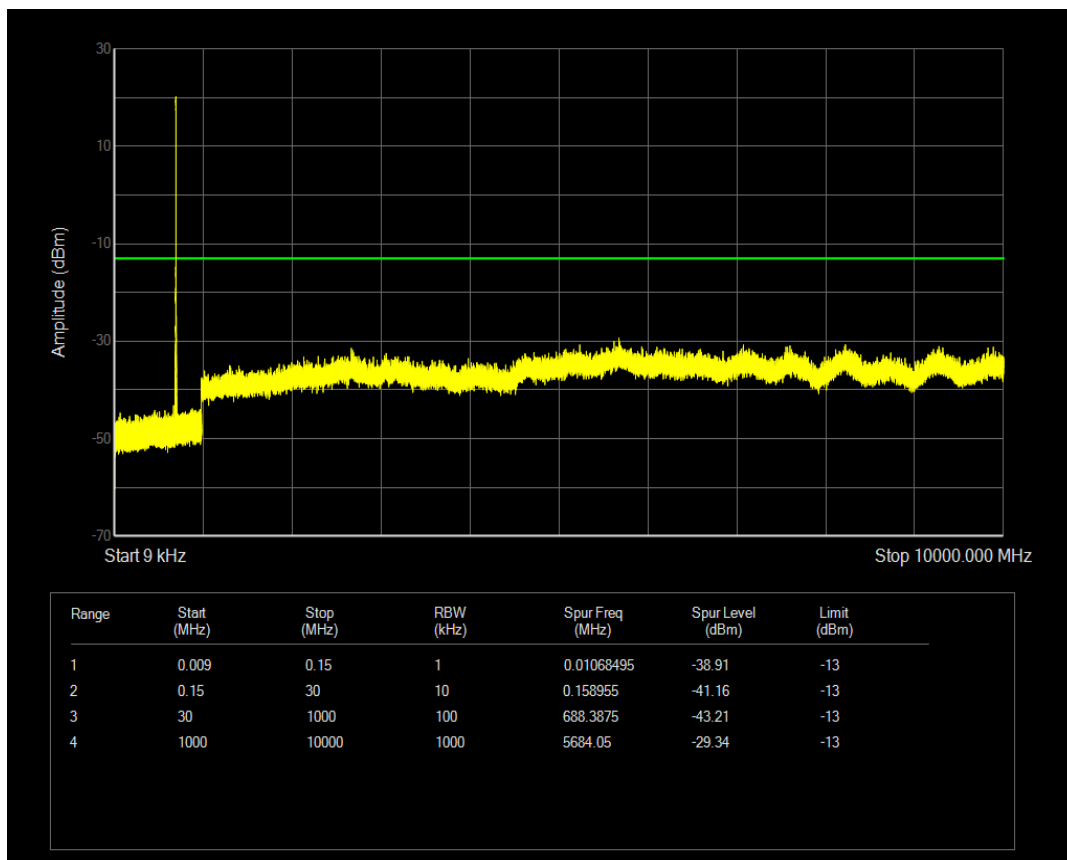
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



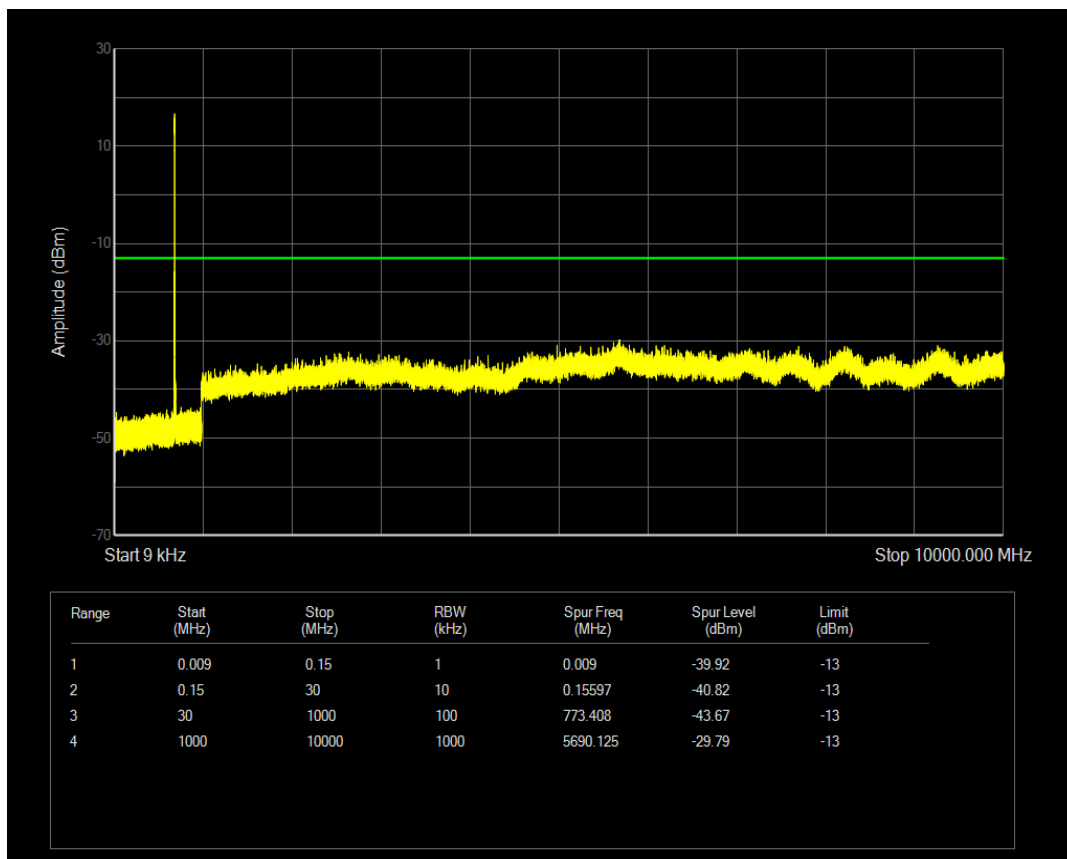
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



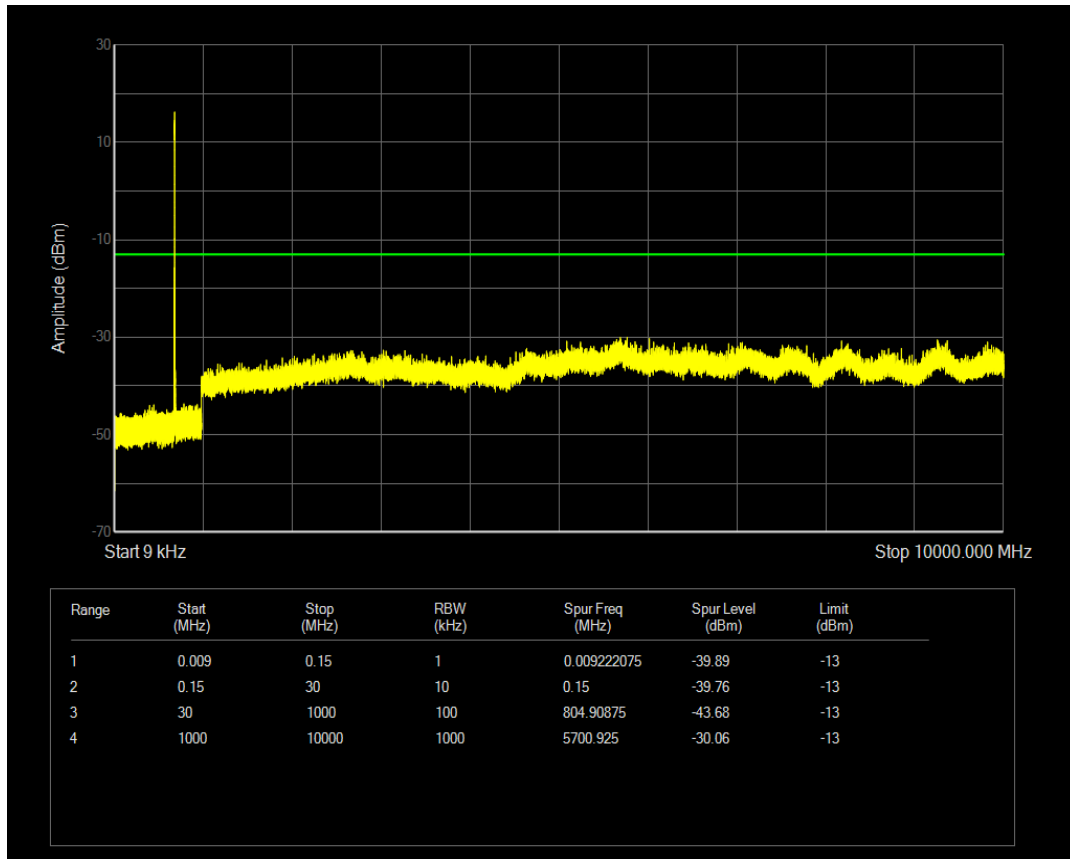
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



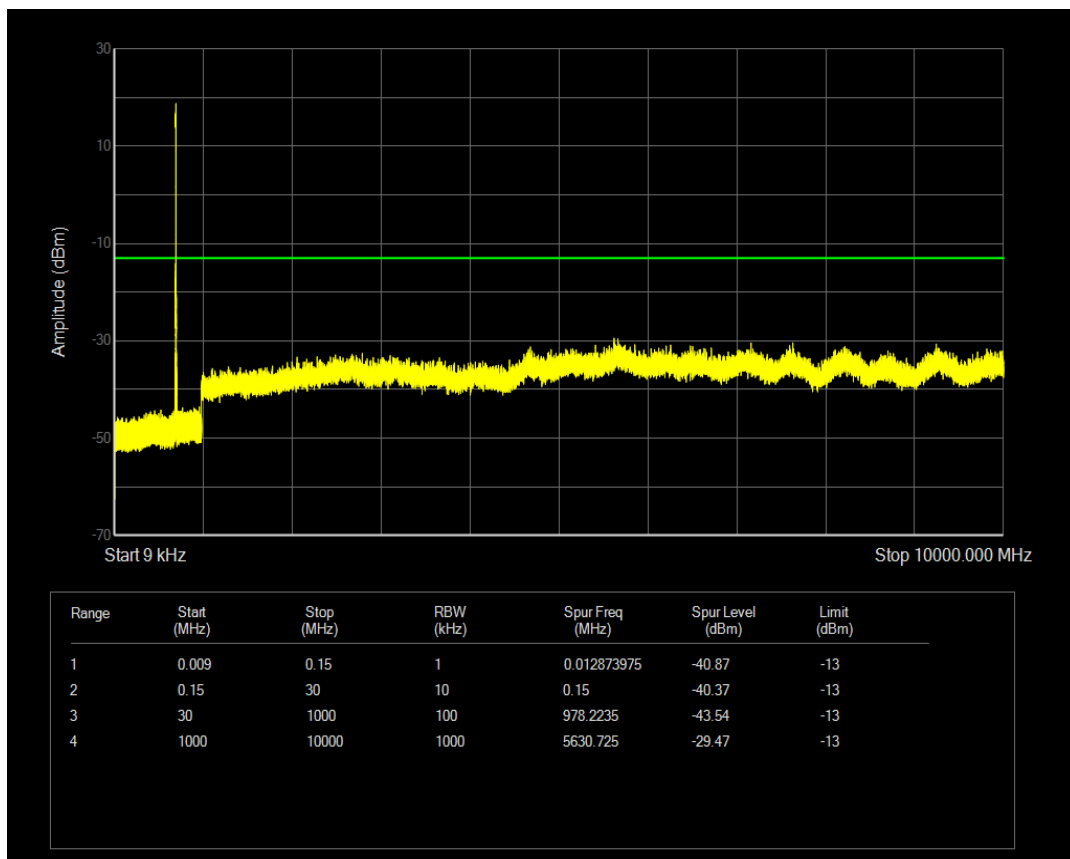
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



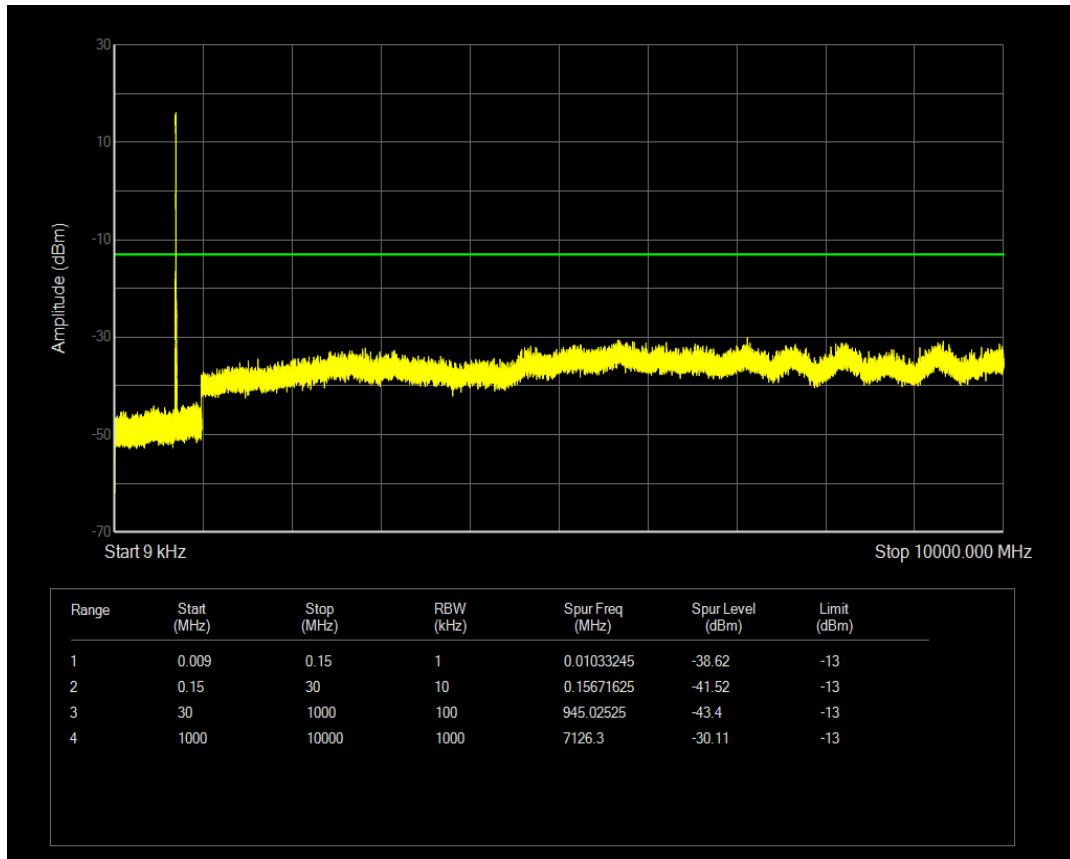
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



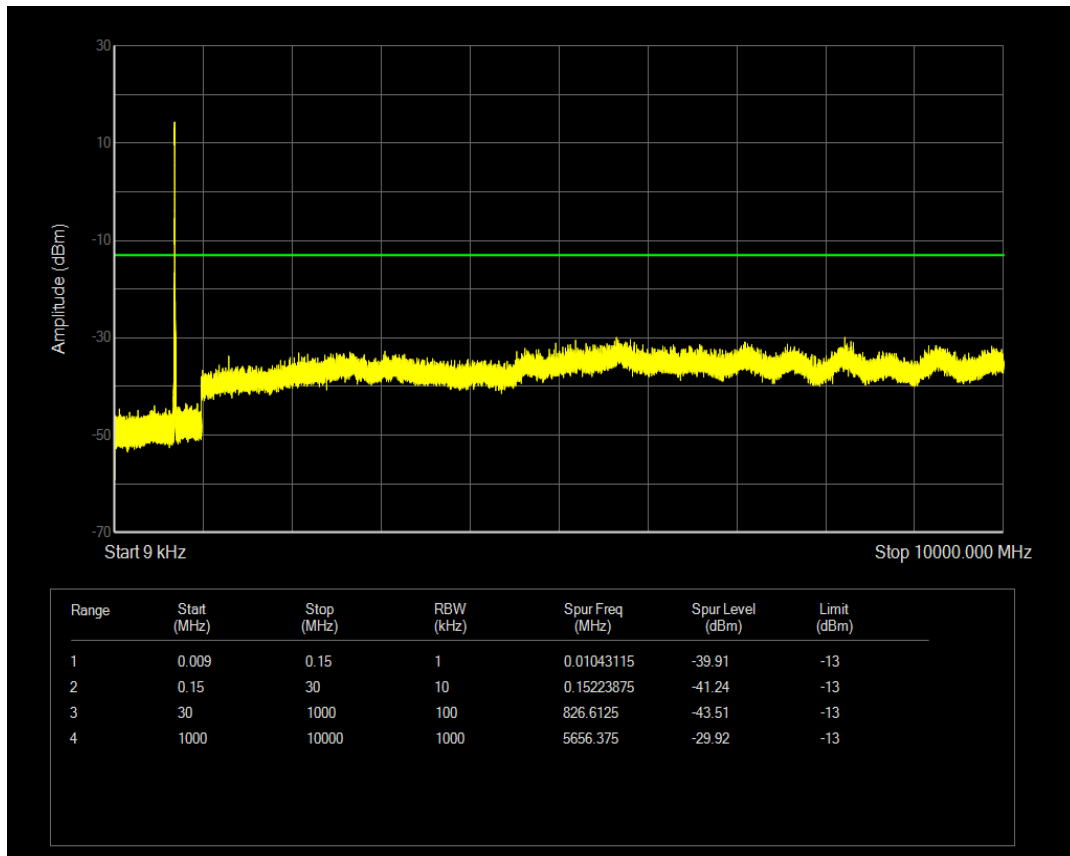
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



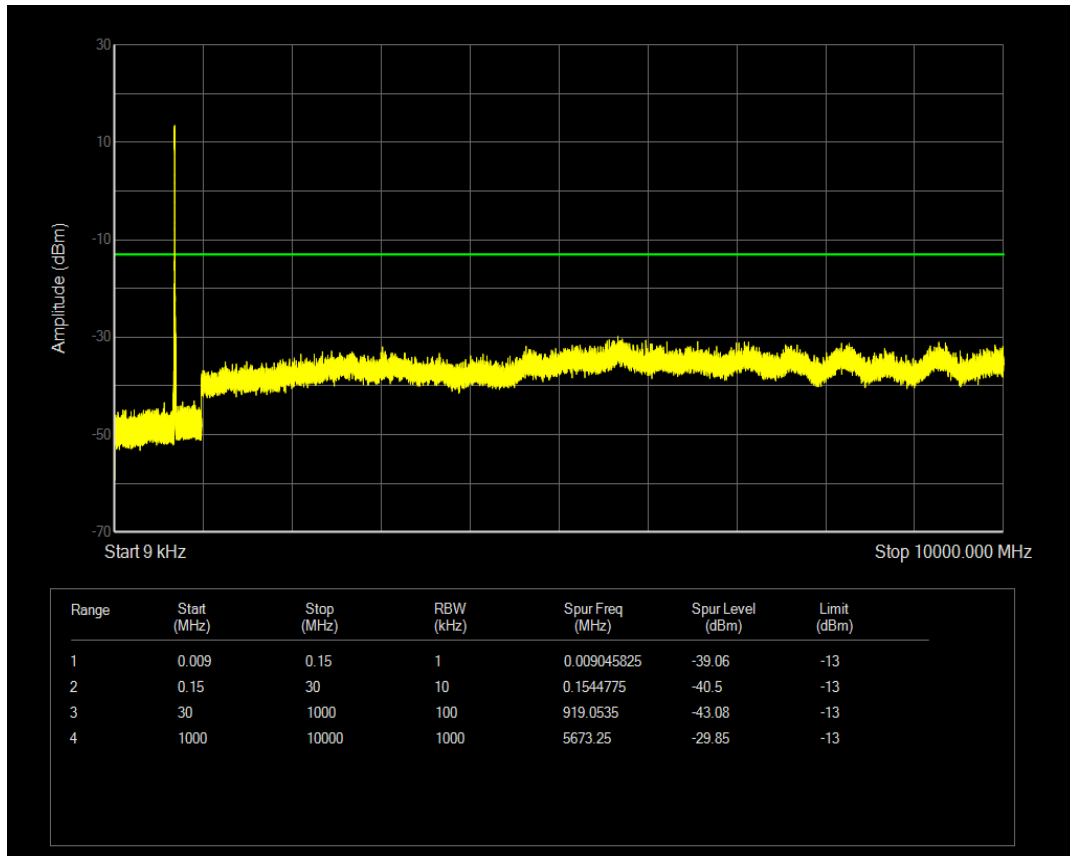
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



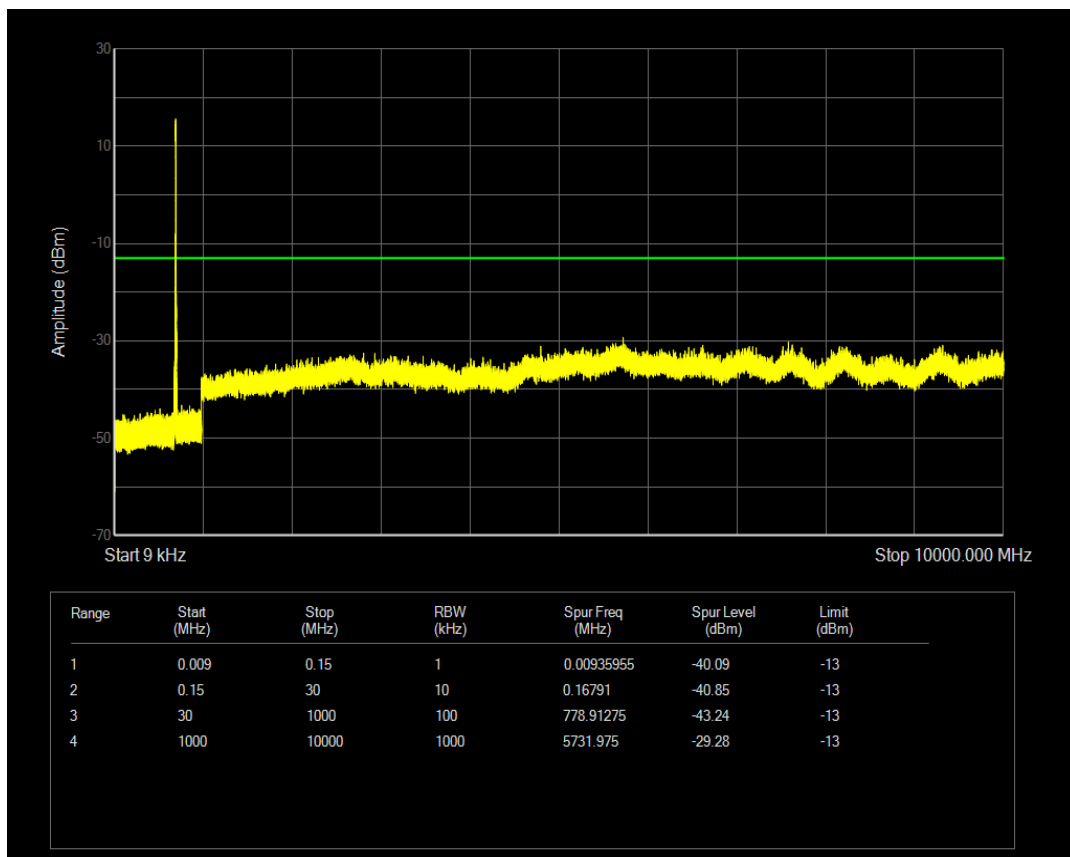
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



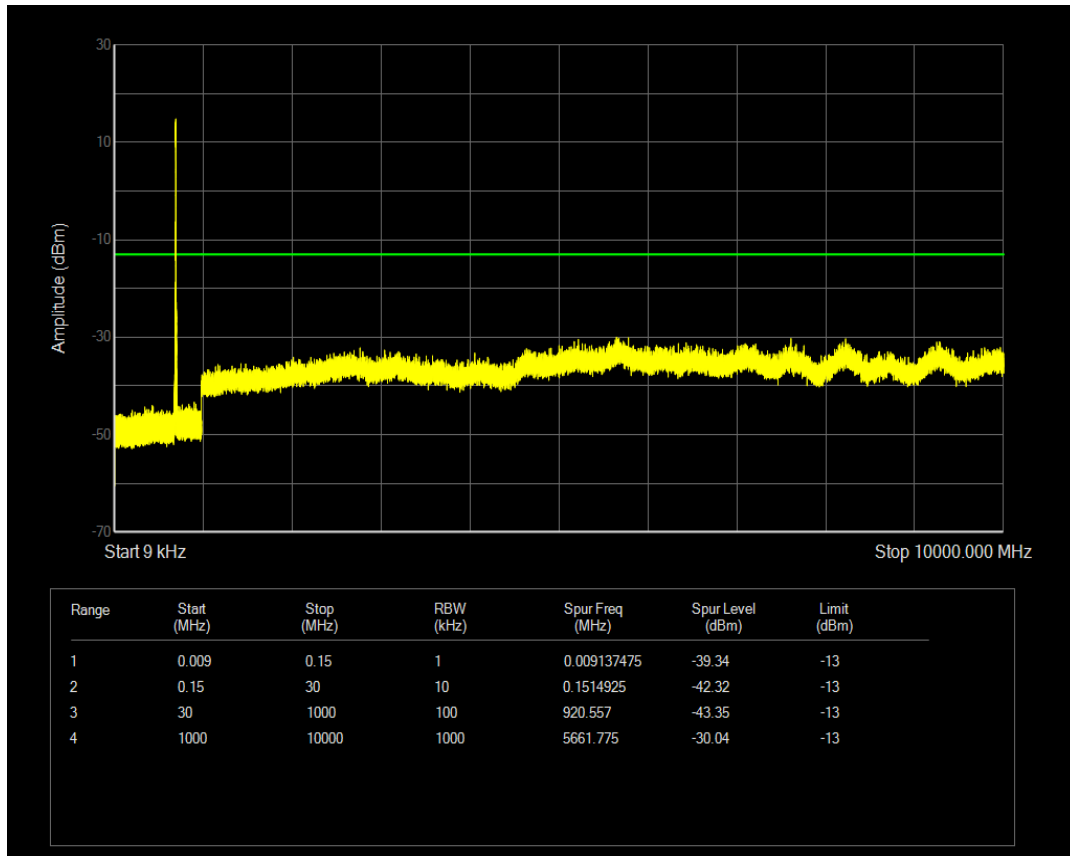
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



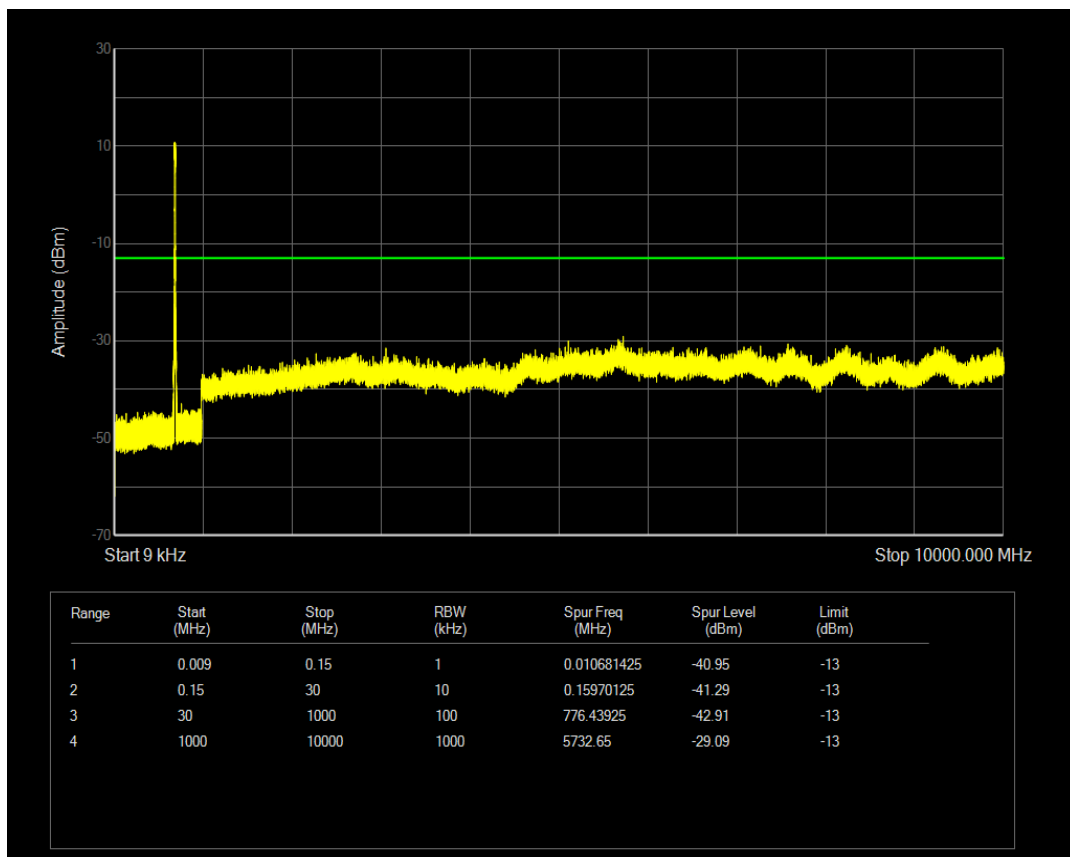
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



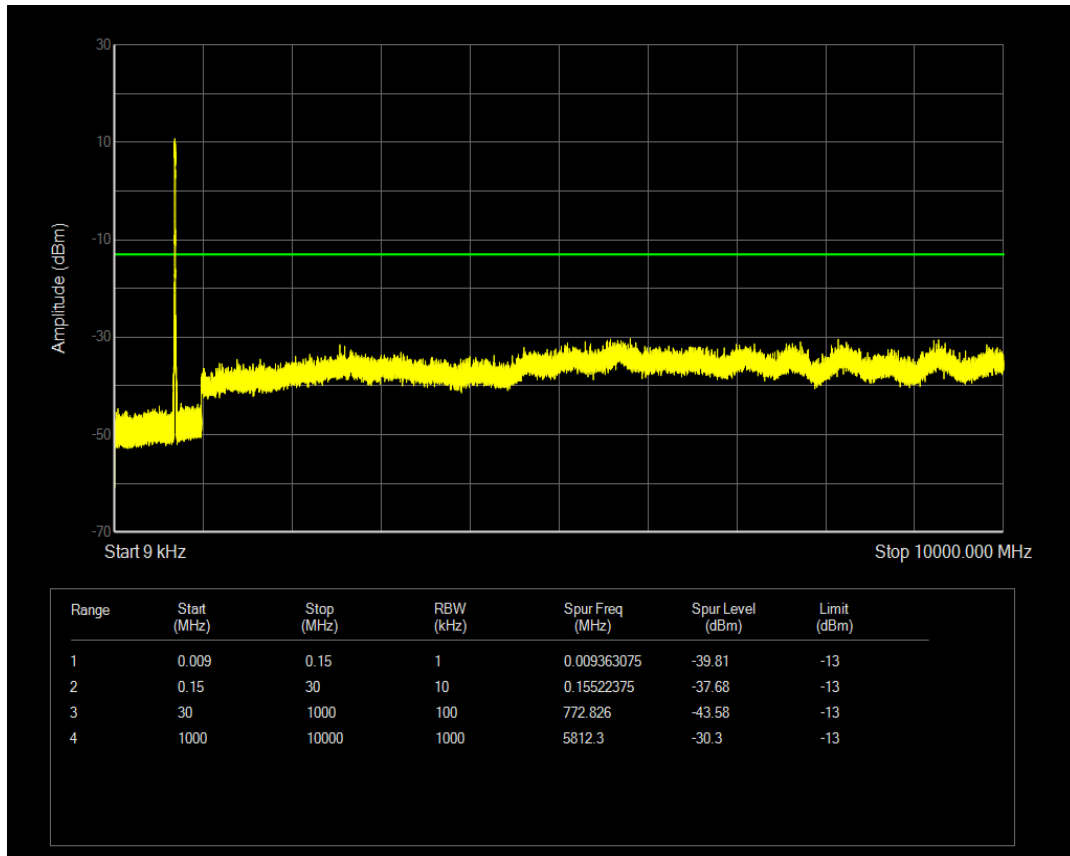
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



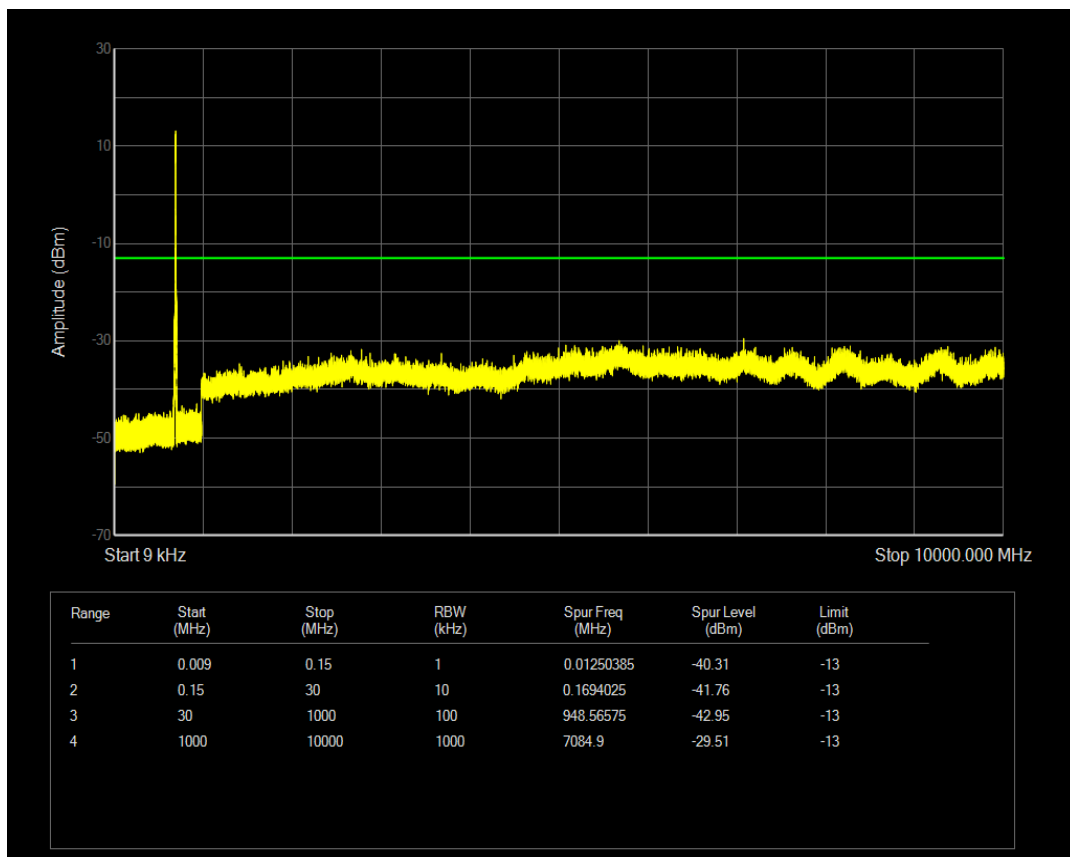
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



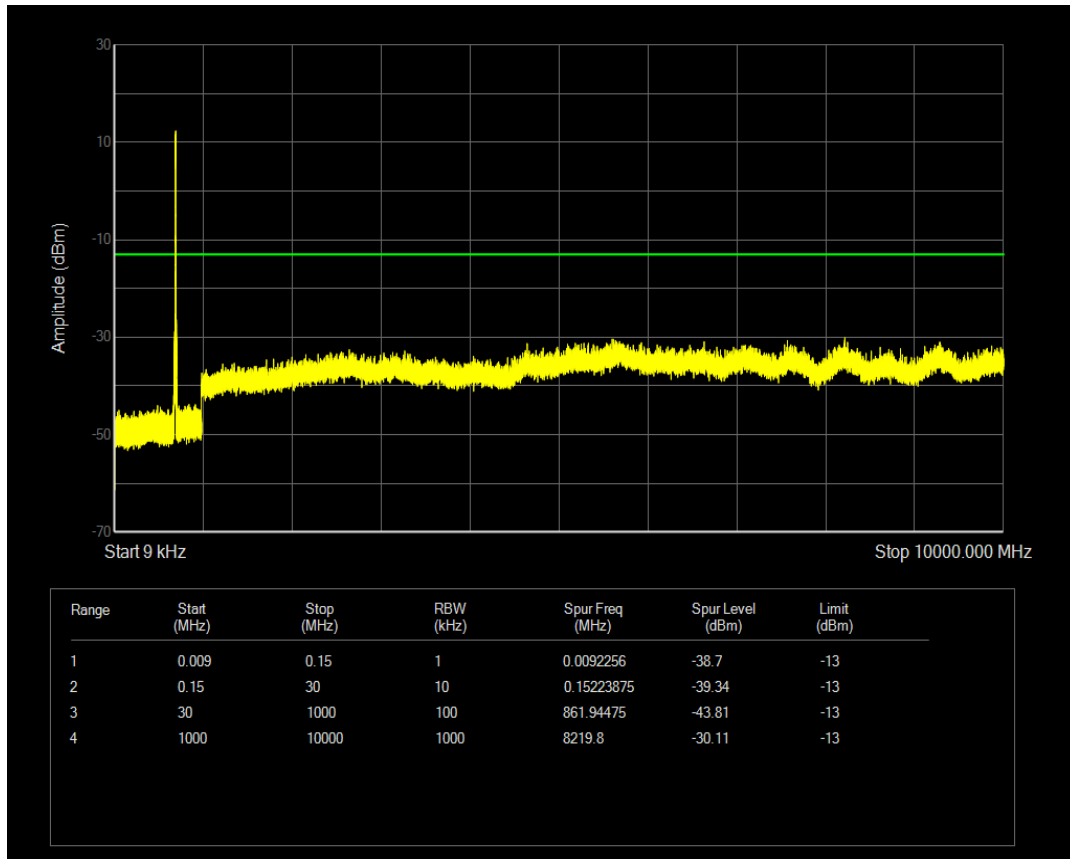
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



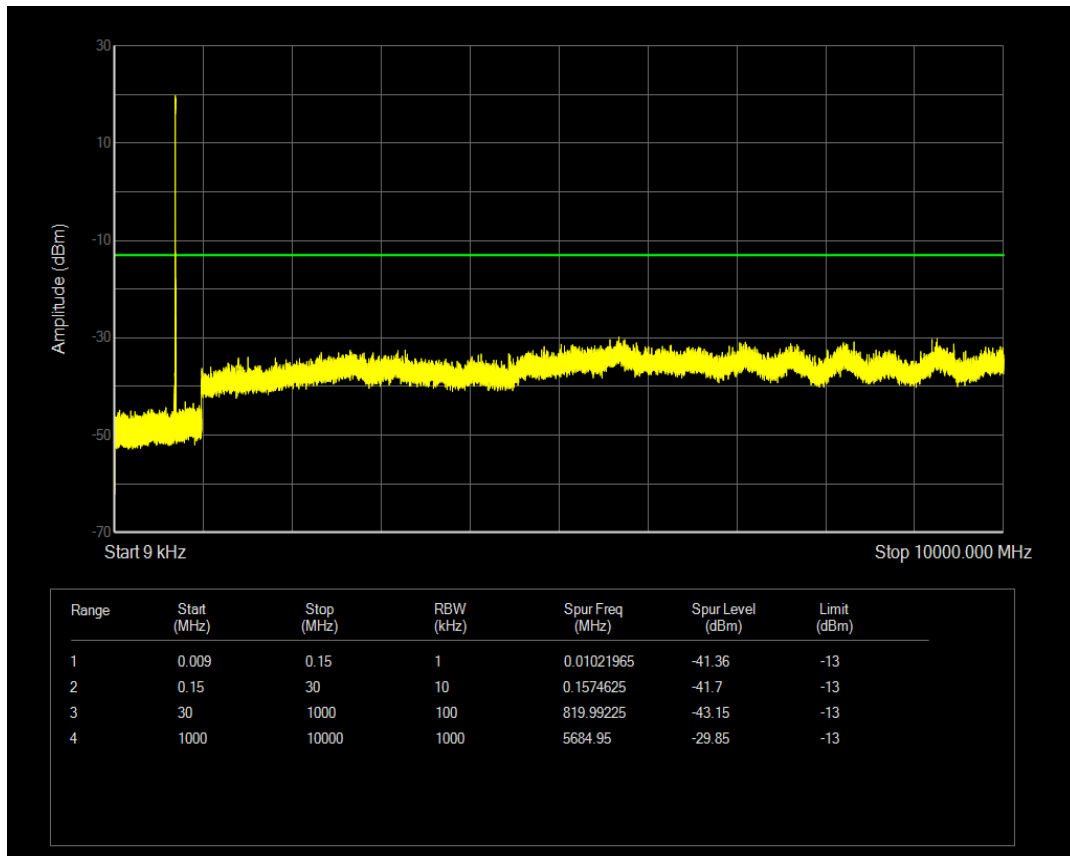
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



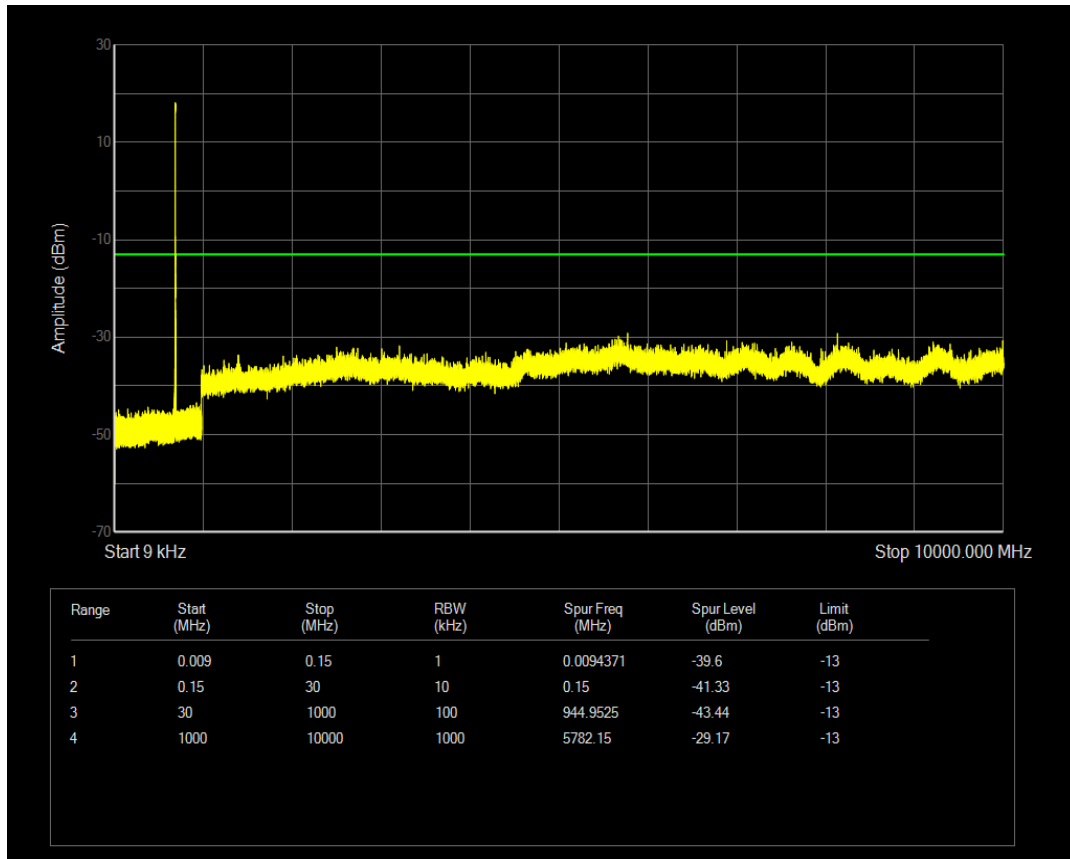
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



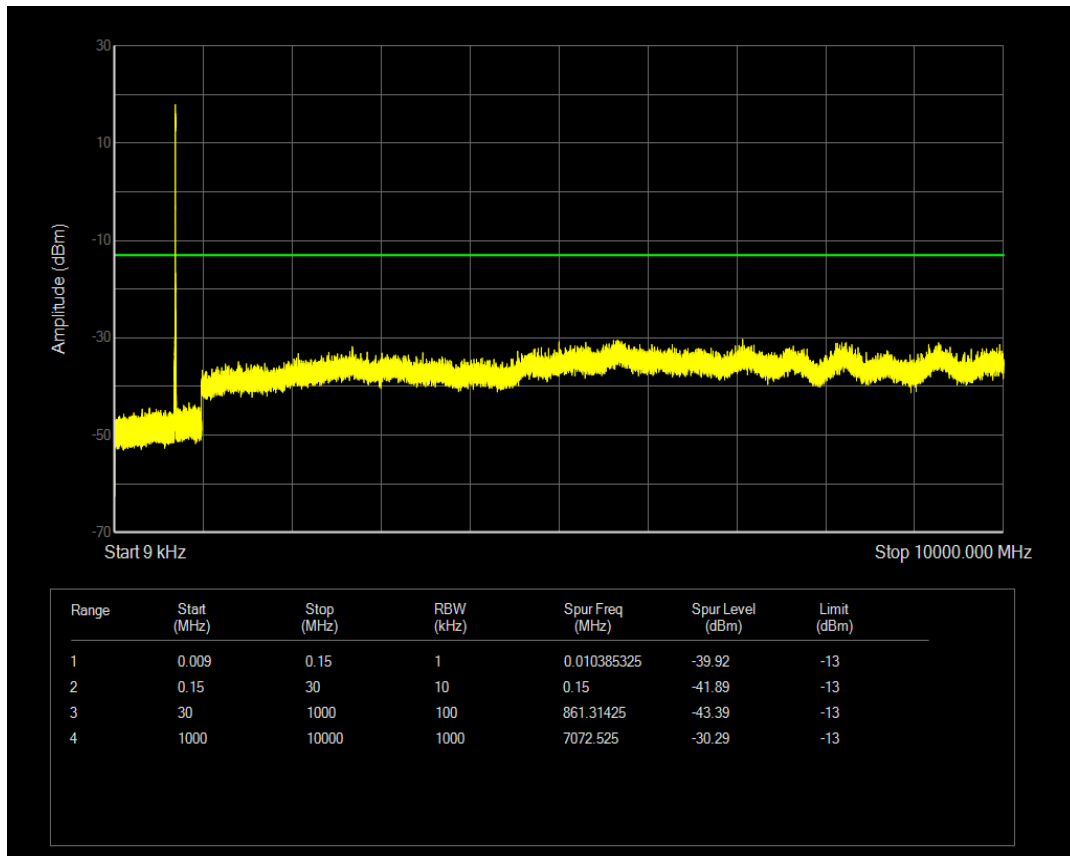
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



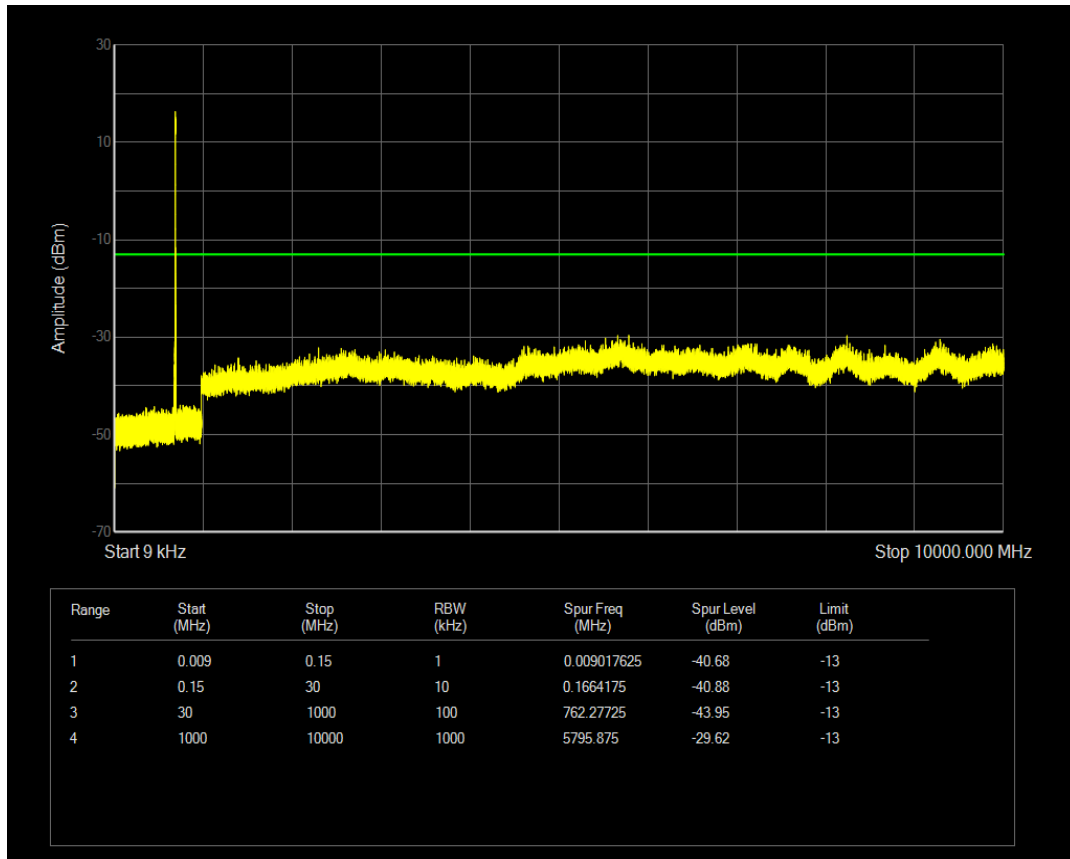
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



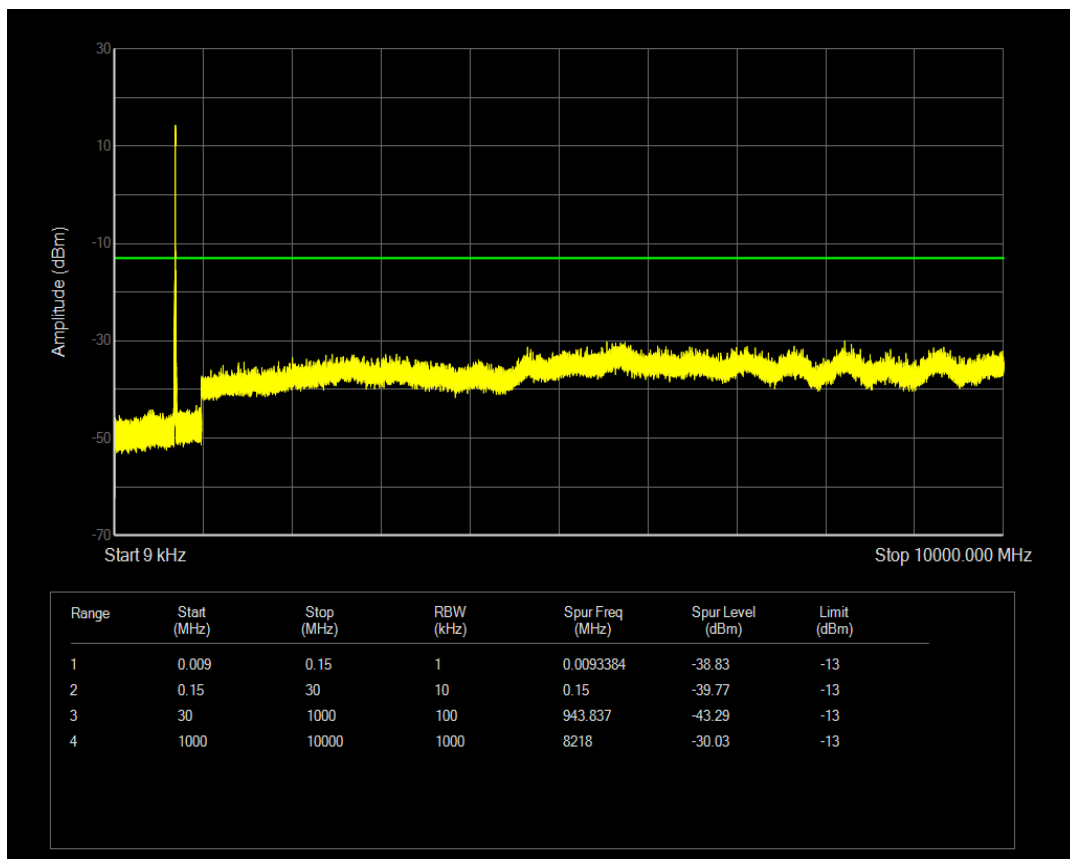
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



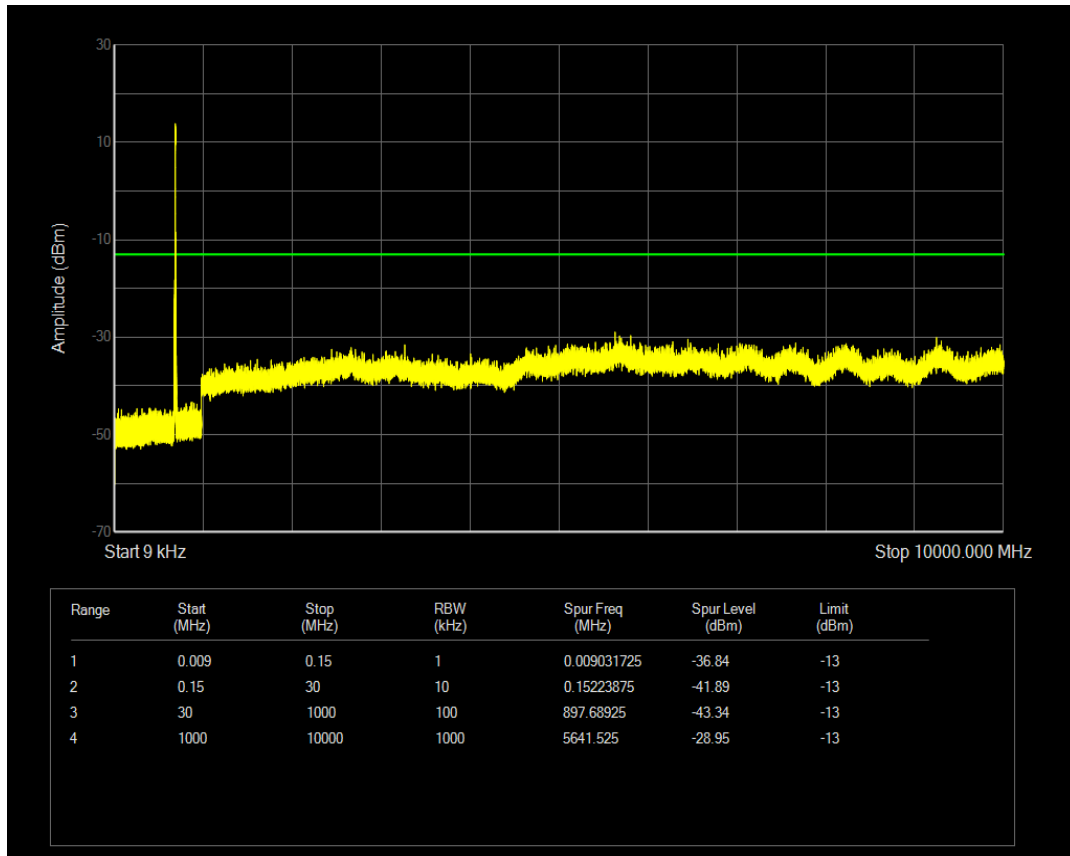
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



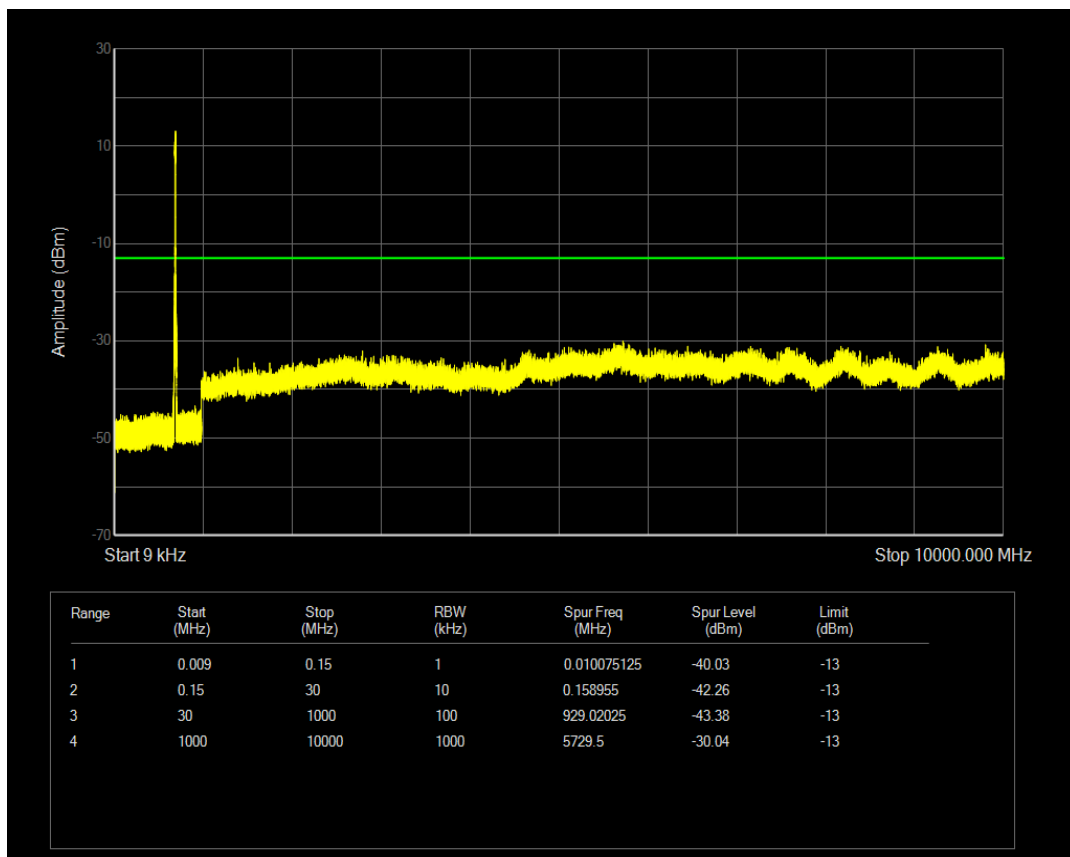
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



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



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



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

