

Appendix for Band 12

Report No.: BCTC2304875804-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: smartphone

Model/Type
reference: F102

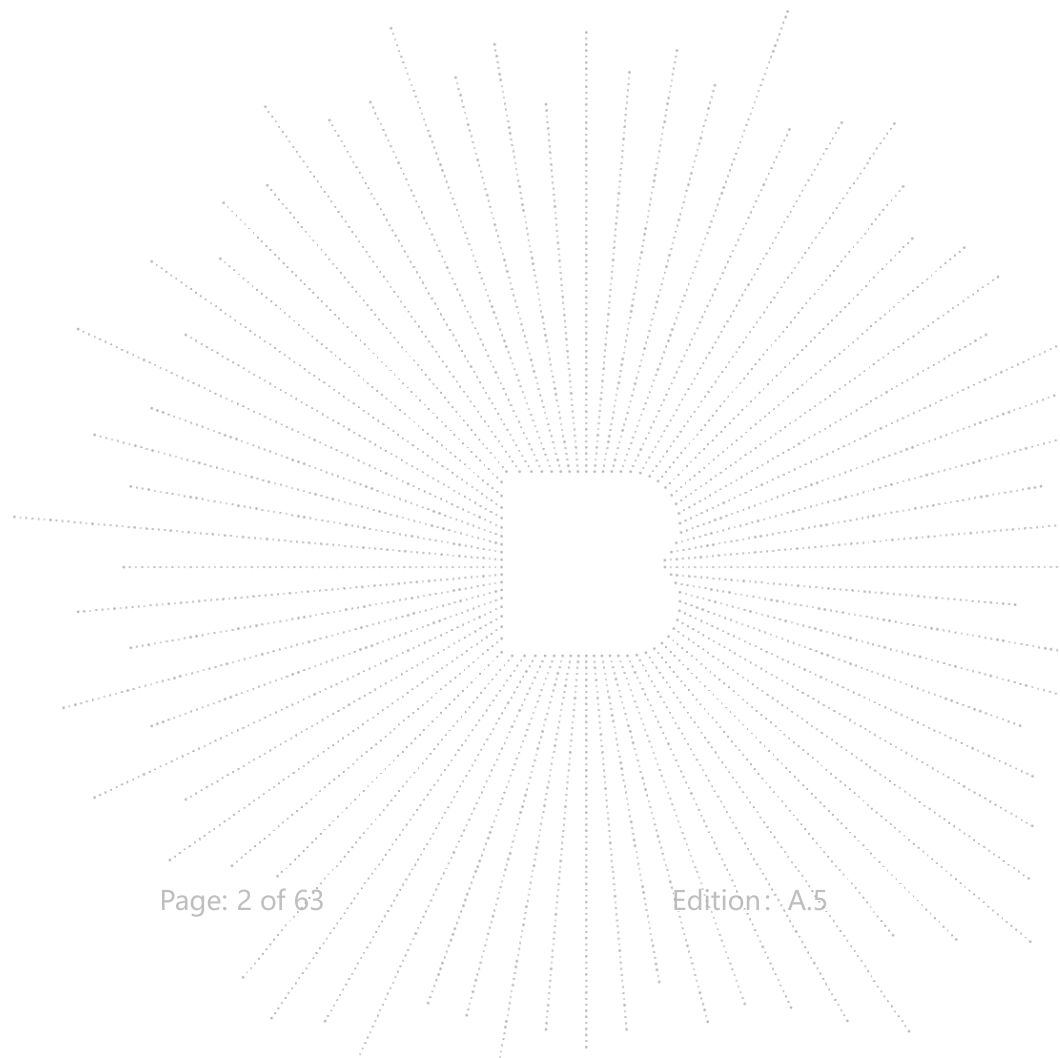
Tested Date: 2023-04-27 to 2023-05-15

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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	23.27	-2	19.12	PASS
Band12	1.4	23017	1	#Mid	QPSK	23.39	-2	19.24	PASS
Band12	1.4	23017	1	#Max	QPSK	23.23	-2	19.08	PASS
Band12	1.4	23017	3	#0	QPSK	23.42	-2	19.27	PASS
Band12	1.4	23017	3	#Mid	QPSK	23.41	-2	19.26	PASS
Band12	1.4	23017	3	#Max	QPSK	23.37	-2	19.22	PASS
Band12	1.4	23017	6	#0	QPSK	22.41	-2	18.26	PASS
Band12	1.4	23017	1	#0	16QAM	22.46	-2	18.31	PASS
Band12	1.4	23017	1	#Mid	16QAM	22.49	-2	18.34	PASS
Band12	1.4	23017	1	#Max	16QAM	22.42	-2	18.27	PASS
Band12	1.4	23017	3	#0	16QAM	22.63	-2	18.48	PASS
Band12	1.4	23017	3	#Mid	16QAM	22.66	-2	18.51	PASS
Band12	1.4	23017	3	#Max	16QAM	22.58	-2	18.43	PASS
Band12	1.4	23017	6	#0	16QAM	21.60	-2	17.45	PASS
Band12	1.4	23095	1	#0	QPSK	23.24	-2	19.09	PASS
Band12	1.4	23095	1	#Mid	QPSK	23.33	-2	19.18	PASS
Band12	1.4	23095	1	#Max	QPSK	23.26	-2	19.11	PASS
Band12	1.4	23095	3	#0	QPSK	23.28	-2	19.13	PASS
Band12	1.4	23095	3	#Mid	QPSK	23.31	-2	19.16	PASS
Band12	1.4	23095	3	#Max	QPSK	23.28	-2	19.13	PASS
Band12	1.4	23095	6	#0	QPSK	22.36	-2	18.21	PASS
Band12	1.4	23095	1	#0	16QAM	22.05	-2	17.90	PASS
Band12	1.4	23095	1	#Mid	16QAM	22.10	-2	17.95	PASS
Band12	1.4	23095	1	#Max	16QAM	22.06	-2	17.91	PASS
Band12	1.4	23095	3	#0	16QAM	22.37	-2	18.22	PASS
Band12	1.4	23095	3	#Mid	16QAM	22.39	-2	18.24	PASS
Band12	1.4	23095	3	#Max	16QAM	22.37	-2	18.22	PASS
Band12	1.4	23095	6	#0	16QAM	21.52	-2	17.37	PASS
Band12	1.4	23173	1	#0	QPSK	23.31	-2	19.16	PASS
Band12	1.4	23173	1	#Mid	QPSK	23.45	-2	19.30	PASS
Band12	1.4	23173	1	#Max	QPSK	23.37	-2	19.22	PASS
Band12	1.4	23173	3	#0	QPSK	23.31	-2	19.16	PASS
Band12	1.4	23173	3	#Mid	QPSK	23.34	-2	19.19	PASS
Band12	1.4	23173	3	#Max	QPSK	23.35	-2	19.20	PASS
Band12	1.4	23173	6	#0	QPSK	22.46	-2	18.31	PASS
Band12	1.4	23173	1	#0	16QAM	22.30	-2	18.15	PASS
Band12	1.4	23173	1	#Mid	16QAM	22.39	-2	18.24	PASS
Band12	1.4	23173	1	#Max	16QAM	22.30	-2	18.15	PASS

Band12	1.4	23173	3	#0	16QAM	22.43	-2	18.28	PASS
Band12	1.4	23173	3	#Mid	16QAM	22.45	-2	18.30	PASS
Band12	1.4	23173	3	#Max	16QAM	22.44	-2	18.29	PASS
Band12	1.4	23173	6	#0	16QAM	21.56	-2	17.41	PASS
Band12	3	23025	1	#0	QPSK	23.09	-2	18.94	PASS
Band12	3	23025	1	#Mid	QPSK	23.18	-2	19.03	PASS
Band12	3	23025	1	#Max	QPSK	23.12	-2	18.97	PASS
Band12	3	23025	8	#0	QPSK	22.30	-2	18.15	PASS
Band12	3	23025	8	#Mid	QPSK	22.34	-2	18.19	PASS
Band12	3	23025	8	#Max	QPSK	22.35	-2	18.20	PASS
Band12	3	23025	15	#0	QPSK	22.33	-2	18.18	PASS
Band12	3	23025	1	#0	16QAM	22.32	-2	18.17	PASS
Band12	3	23025	1	#Mid	16QAM	22.37	-2	18.22	PASS
Band12	3	23025	1	#Max	16QAM	22.30	-2	18.15	PASS
Band12	3	23025	8	#0	16QAM	21.32	-2	17.17	PASS
Band12	3	23025	8	#Mid	16QAM	21.39	-2	17.24	PASS
Band12	3	23025	8	#Max	16QAM	21.34	-2	17.19	PASS
Band12	3	23025	15	#0	16QAM	21.34	-2	17.19	PASS
Band12	3	23095	1	#0	QPSK	23.07	-2	18.92	PASS
Band12	3	23095	1	#Mid	QPSK	23.16	-2	19.01	PASS
Band12	3	23095	1	#Max	QPSK	23.18	-2	19.03	PASS
Band12	3	23095	8	#0	QPSK	22.24	-2	18.09	PASS
Band12	3	23095	8	#Mid	QPSK	22.26	-2	18.11	PASS
Band12	3	23095	8	#Max	QPSK	22.29	-2	18.14	PASS
Band12	3	23095	15	#0	QPSK	22.24	-2	18.09	PASS
Band12	3	23095	1	#0	16QAM	21.86	-2	17.71	PASS
Band12	3	23095	1	#Mid	16QAM	21.95	-2	17.80	PASS
Band12	3	23095	1	#Max	16QAM	21.85	-2	17.70	PASS
Band12	3	23095	8	#0	16QAM	21.16	-2	17.01	PASS
Band12	3	23095	8	#Mid	16QAM	21.25	-2	17.10	PASS
Band12	3	23095	8	#Max	16QAM	21.19	-2	17.04	PASS
Band12	3	23095	15	#0	16QAM	21.34	-2	17.19	PASS
Band12	3	23165	1	#0	QPSK	23.04	-2	18.89	PASS
Band12	3	23165	1	#Mid	QPSK	23.13	-2	18.98	PASS
Band12	3	23165	1	#Max	QPSK	23.07	-2	18.92	PASS
Band12	3	23165	8	#0	QPSK	22.28	-2	18.13	PASS
Band12	3	23165	8	#Mid	QPSK	22.32	-2	18.17	PASS
Band12	3	23165	8	#Max	QPSK	22.30	-2	18.15	PASS
Band12	3	23165	15	#0	QPSK	22.33	-2	18.18	PASS
Band12	3	23165	1	#0	16QAM	22.44	-2	18.29	PASS
Band12	3	23165	1	#Mid	16QAM	22.51	-2	18.36	PASS
Band12	3	23165	1	#Max	16QAM	22.41	-2	18.26	PASS
Band12	3	23165	8	#0	16QAM	21.33	-2	17.18	PASS

Band12	3	23165	8	#Mid	16QAM	21.35	-2	17.20	PASS
Band12	3	23165	8	#Max	16QAM	21.27	-2	17.12	PASS
Band12	3	23165	15	#0	16QAM	21.31	-2	17.16	PASS
Band12	5	23035	1	#0	QPSK	23.39	-2	19.24	PASS
Band12	5	23035	1	#Mid	QPSK	23.45	-2	19.30	PASS
Band12	5	23035	1	#Max	QPSK	23.35	-2	19.20	PASS
Band12	5	23035	12	#0	QPSK	22.25	-2	18.10	PASS
Band12	5	23035	12	#Mid	QPSK	22.48	-2	18.33	PASS
Band12	5	23035	12	#Max	QPSK	22.28	-2	18.13	PASS
Band12	5	23035	25	#0	QPSK	22.33	-2	18.18	PASS
Band12	5	23035	1	#0	16QAM	22.66	-2	18.51	PASS
Band12	5	23035	1	#Mid	16QAM	22.72	-2	18.57	PASS
Band12	5	23035	1	#Max	16QAM	22.61	-2	18.46	PASS
Band12	5	23035	12	#0	16QAM	21.31	-2	17.16	PASS
Band12	5	23035	12	#Mid	16QAM	21.38	-2	17.23	PASS
Band12	5	23035	12	#Max	16QAM	21.25	-2	17.10	PASS
Band12	5	23035	25	#0	16QAM	21.37	-2	17.22	PASS
Band12	5	23095	1	#0	QPSK	23.26	-2	19.11	PASS
Band12	5	23095	1	#Mid	QPSK	23.29	-2	19.14	PASS
Band12	5	23095	1	#Max	QPSK	23.21	-2	19.06	PASS
Band12	5	23095	12	#0	QPSK	22.26	-2	18.11	PASS
Band12	5	23095	12	#Mid	QPSK	22.36	-2	18.21	PASS
Band12	5	23095	12	#Max	QPSK	22.27	-2	18.12	PASS
Band12	5	23095	25	#0	QPSK	22.27	-2	18.12	PASS
Band12	5	23095	1	#0	16QAM	22.56	-2	18.41	PASS
Band12	5	23095	1	#Mid	16QAM	22.59	-2	18.44	PASS
Band12	5	23095	1	#Max	16QAM	22.50	-2	18.35	PASS
Band12	5	23095	12	#0	16QAM	21.33	-2	17.18	PASS
Band12	5	23095	12	#Mid	16QAM	21.38	-2	17.23	PASS
Band12	5	23095	12	#Max	16QAM	21.37	-2	17.22	PASS
Band12	5	23095	25	#0	16QAM	21.28	-2	17.13	PASS
Band12	5	23155	1	#0	QPSK	23.24	-2	19.09	PASS
Band12	5	23155	1	#Mid	QPSK	23.37	-2	19.22	PASS
Band12	5	23155	1	#Max	QPSK	23.36	-2	19.21	PASS
Band12	5	23155	12	#0	QPSK	22.40	-2	18.25	PASS
Band12	5	23155	12	#Mid	QPSK	22.38	-2	18.23	PASS
Band12	5	23155	12	#Max	QPSK	22.27	-2	18.12	PASS
Band12	5	23155	25	#0	QPSK	22.32	-2	18.17	PASS
Band12	5	23155	1	#0	16QAM	22.72	-2	18.57	PASS
Band12	5	23155	1	#Mid	16QAM	22.85	-2	18.70	PASS
Band12	5	23155	1	#Max	16QAM	22.76	-2	18.61	PASS
Band12	5	23155	12	#0	16QAM	21.32	-2	17.17	PASS
Band12	5	23155	12	#Mid	16QAM	21.39	-2	17.24	PASS

Band12	5	23155	12	#Max	16QAM	21.27	-2	17.12	PASS
Band12	5	23155	25	#0	16QAM	21.32	-2	17.17	PASS
Band12	10	23060	1	#0	QPSK	23.52	-2	19.37	PASS
Band12	10	23060	1	#Mid	QPSK	23.50	-2	19.35	PASS
Band12	10	23060	1	#Max	QPSK	23.49	-2	19.34	PASS
Band12	10	23060	25	#0	QPSK	22.37	-2	18.22	PASS
Band12	10	23060	25	#Mid	QPSK	22.36	-2	18.21	PASS
Band12	10	23060	25	#Max	QPSK	22.37	-2	18.22	PASS
Band12	10	23060	50	#0	QPSK	22.37	-2	18.22	PASS
Band12	10	23060	1	#0	16QAM	22.28	-2	18.13	PASS
Band12	10	23060	1	#Mid	16QAM	22.26	-2	18.11	PASS
Band12	10	23060	1	#Max	16QAM	22.16	-2	18.01	PASS
Band12	10	23060	25	#0	16QAM	21.36	-2	17.21	PASS
Band12	10	23060	25	#Mid	16QAM	21.38	-2	17.23	PASS
Band12	10	23060	25	#Max	16QAM	21.40	-2	17.25	PASS
Band12	10	23060	50	#0	16QAM	21.37	-2	17.22	PASS
Band12	10	23095	1	#0	QPSK	23.34	-2	19.19	PASS
Band12	10	23095	1	#Mid	QPSK	23.37	-2	19.22	PASS
Band12	10	23095	1	#Max	QPSK	23.37	-2	19.22	PASS
Band12	10	23095	25	#0	QPSK	22.41	-2	18.26	PASS
Band12	10	23095	25	#Mid	QPSK	22.30	-2	18.15	PASS
Band12	10	23095	25	#Max	QPSK	22.38	-2	18.23	PASS
Band12	10	23095	50	#0	QPSK	22.35	-2	18.20	PASS
Band12	10	23095	1	#0	16QAM	22.74	-2	18.59	PASS
Band12	10	23095	1	#Mid	16QAM	22.75	-2	18.60	PASS
Band12	10	23095	1	#Max	16QAM	22.71	-2	18.56	PASS
Band12	10	23095	25	#0	16QAM	21.34	-2	17.19	PASS
Band12	10	23095	25	#Mid	16QAM	21.38	-2	17.23	PASS
Band12	10	23095	25	#Max	16QAM	21.41	-2	17.26	PASS
Band12	10	23095	50	#0	16QAM	21.39	-2	17.24	PASS
Band12	10	23130	1	#0	QPSK	23.33	-2	19.18	PASS
Band12	10	23130	1	#Mid	QPSK	23.41	-2	19.26	PASS
Band12	10	23130	1	#Max	QPSK	23.43	-2	19.28	PASS
Band12	10	23130	25	#0	QPSK	22.23	-2	18.08	PASS
Band12	10	23130	25	#Mid	QPSK	22.39	-2	18.24	PASS
Band12	10	23130	25	#Max	QPSK	22.18	-2	18.03	PASS
Band12	10	23130	50	#0	QPSK	22.25	-2	18.10	PASS
Band12	10	23130	1	#0	16QAM	22.53	-2	18.38	PASS
Band12	10	23130	1	#Mid	16QAM	22.52	-2	18.37	PASS
Band12	10	23130	1	#Max	16QAM	22.49	-2	18.34	PASS
Band12	10	23130	25	#0	16QAM	21.22	-2	17.07	PASS
Band12	10	23130	25	#Mid	16QAM	21.33	-2	17.18	PASS
Band12	10	23130	25	#Max	16QAM	21.23	-2	17.08	PASS

Band12	10	23130	50	#0	16QAM	21.25	-2	17.10	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	-4.32	-0.006	-2.5	2.5	PASS
Band12	1.4	23017	6	#0	QPSK	NV	NT	-4.72	-0.007	-2.5	2.5	PASS
Band12	1.4	23017	6	#0	QPSK	HV	NT	-7.95	-0.011	-2.5	2.5	PASS
Band12	1.4	23017	6	#0	16QAM	LV	NT	-8.35	-0.012	-2.5	2.5	PASS
Band12	1.4	23017	6	#0	16QAM	NV	NT	-5.75	-0.008	-2.5	2.5	PASS
Band12	1.4	23017	6	#0	16QAM	HV	NT	-5.44	-0.008	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	QPSK	LV	NT	-2.50	-0.004	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	QPSK	NV	NT	-4.55	-0.006	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	QPSK	HV	NT	-4.91	-0.007	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	16QAM	LV	NT	-4.59	-0.006	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	16QAM	NV	NT	-1.67	-0.002	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	16QAM	HV	NT	-0.11	0.000	-2.5	2.5	PASS
Band12	1.4	23173	6	#0	QPSK	LV	NT	-0.43	-0.001	-2.5	2.5	PASS
Band12	1.4	23173	6	#0	QPSK	NV	NT	1.09	0.002	-2.5	2.5	PASS
Band12	1.4	23173	6	#0	QPSK	HV	NT	-3.78	-0.005	-2.5	2.5	PASS
Band12	1.4	23173	6	#0	16QAM	LV	NT	-4.08	-0.006	-2.5	2.5	PASS
Band12	1.4	23173	6	#0	16QAM	NV	NT	-3.86	-0.005	-2.5	2.5	PASS

Band1 2	1.4	23173	6	#0	16QAM	HV	NT	-4.94	-0.00 7	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	LV	NT	-1.76	-0.00 3	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	NT	-2.78	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	HV	NT	-4.51	-0.00 6	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	LV	NT	-4.21	-0.00 6	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	NT	-3.89	-0.00 6	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	HV	NT	-4.16	-0.00 6	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	LV	NT	-3.38	-0.00 5	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	NT	-2.56	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	HV	NT	-1.93	-0.00 3	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	LV	NT	-3.56	-0.00 5	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	NT	-3.08	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	HV	NT	-2.39	-0.00 3	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	LV	NT	-2.66	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	NV	NT	-3.20	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	HV	NT	-2.26	-0.00 3	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	LV	NT	0.99	0.001	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	NT	-1.30	-0.00 2	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	HV	NT	-1.54	-0.00 2	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	LV	NT	-4.43	-0.00 6	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	NT	-3.30	-0.00 5	-2.5	2.5	PASS
Band1	5	23035	25	#0	QPSK	HV	NT	-0.41	-0.00	-2.5	2.5	PASS

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Band1 2	5	23035	25	#0	16QAM	LV	NT	-1.76	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	NT	-3.83	-0.00 5	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	HV	NT	-3.65	-0.00 5	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	LV	NT	-2.80	-0.00 4	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	NT	-2.92	-0.00 4	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	HV	NT	-3.06	-0.00 4	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	LV	NT	-0.14	0.000	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	NT	-3.23	-0.00 5	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	HV	NT	-4.15	-0.00 6	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	LV	NT	-1.89	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	NT	-1.23	-0.00 2	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	HV	NT	-4.61	-0.00 6	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	LV	NT	-2.19	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	NT	-1.56	-0.00 2	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	HV	NT	-2.85	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	LV	NT	-4.53	-0.00 6	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	NT	-3.69	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	HV	NT	-3.59	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	LV	NT	-3.49	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	NT	-2.98	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	HV	NT	-2.47	-0.00 4	-2.5	2.5	PASS

Band1 2	10	23095	50	#0	QPSK	LV	NT	-0.99	-0.00 1	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	NT	-2.93	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	HV	NT	-2.69	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	LV	NT	-1.20	-0.00 2	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	NT	-2.39	-0.00 3	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	HV	NT	-0.76	-0.00 1	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	LV	NT	-0.29	0.000	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	NT	-1.65	-0.00 2	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	HV	NT	-1.30	-0.00 2	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	LV	NT	-0.84	-0.00 1	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	NV	NT	-1.46	-0.00 2	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	HV	NT	-2.75	-0.00 4	-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	-4.69	-0.00 7	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	-20	-1.12	-0.00 2	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	0	-0.53	-0.00 1	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	10	-2.10	-0.00 3	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	20	-1.46	-0.00 2	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	NV	-30	-0.76	-0.00 1	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	NV	-20	-1.37	-0.00 2	-2.5	2.5	PASS

Band1 2	1.4	23017	6	#0	16QAM	NV	0	-2.99	-0.00 4	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	NV	10	-2.78	-0.00 4	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	NV	20	-1.99	-0.00 3	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	-30	-2.89	-0.00 4	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	-20	-1.49	-0.00 2	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	0	-1.65	-0.00 2	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	10	-3.28	-0.00 5	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	20	-2.95	-0.00 4	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	NV	-30	-3.48	-0.00 5	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	NV	-20	-2.99	-0.00 4	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	NV	0	-2.59	-0.00 4	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	NV	10	-2.63	-0.00 4	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	NV	20	-3.06	-0.00 4	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	-30	-0.59	-0.00 1	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	-20	-0.97	-0.00 1	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	0	-3.32	-0.00 5	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	10	-5.11	-0.00 7	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	20	-4.78	-0.00 7	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	NV	-30	-4.75	-0.00 7	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	NV	-20	-1.37	-0.00 2	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	NV	0	-1.97	-0.00 3	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	NV	10	-1.63	-0.00	-2.5	2.5	PASS

2									2			
Band1 2	1.4	23173	6	#0	16QAM	NV	20	-1.44	-0.00	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	-30	-2.55	-0.00	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	-20	-3.53	-0.00	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	0	-2.92	-0.00	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	10	-5.22	-0.00	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	20	-3.96	-0.00	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	-30	-1.73	-0.00	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	-20	-1.96	-0.00	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	0	-1.60	-0.00	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	10	-2.82	-0.00	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	20	-2.19	-0.00	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	-30	-2.06	-0.00	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	-20	-3.50	-0.00	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	0	-2.66	-0.00	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	10	0.94	0.001	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	20	0.76	0.001	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	-30	0.74	0.001	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	-20	-0.34	0.000	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	0	-3.71	-0.00	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	10	-1.97	-0.00	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	20	-2.85	-0.00	-2.5	2.5	PASS

Band1 2	3	23165	15	#0	QPSK	NV	-30	-2.16	-0.00 3	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	NV	-20	-2.79	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	NV	0	-2.88	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	NV	10	-2.66	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	NV	20	-1.77	-0.00 2	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	-30	-2.73	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	-20	-2.45	-0.00 3	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	0	-0.03	0.000	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	10	-2.79	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	20	-2.46	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	-30	-3.45	-0.00 5	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	-20	-5.97	-0.00 9	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	0	-4.85	-0.00 7	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	10	-3.29	-0.00 5	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	20	-2.02	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	-30	-5.55	-0.00 8	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	-20	-1.67	-0.00 2	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	0	-5.42	-0.00 8	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	10	-2.07	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	20	-2.02	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	-30	-2.63	-0.00 4	-2.5	2.5	PASS
Band1	5	23095	25	#0	QPSK	NV	-20	-3.33	-0.00	-2.5	2.5	PASS

2									5			
Band1 2	5	23095	25	#0	QPSK	NV	0	-3.00	-0.00 4	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	10	0.04	0.000	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	20	-3.58	-0.00 5	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	-30	0.49	0.001	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	-20	-2.23	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	0	-0.29	0.000	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	10	-3.19	-0.00 5	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	20	-3.82	-0.00 5	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	-30	-1.44	-0.00 2	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	-20	-1.90	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	0	0.89	0.001	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	10	-2.92	-0.00 4	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	20	-3.39	-0.00 5	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	-30	-0.67	-0.00 1	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	-20	-3.59	-0.00 5	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	0	-2.53	-0.00 4	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	10	-3.53	-0.00 5	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	20	-3.78	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	-30	-4.69	-0.00 7	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	-20	-3.28	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	0	-2.99	-0.00 4	-2.5	2.5	PASS

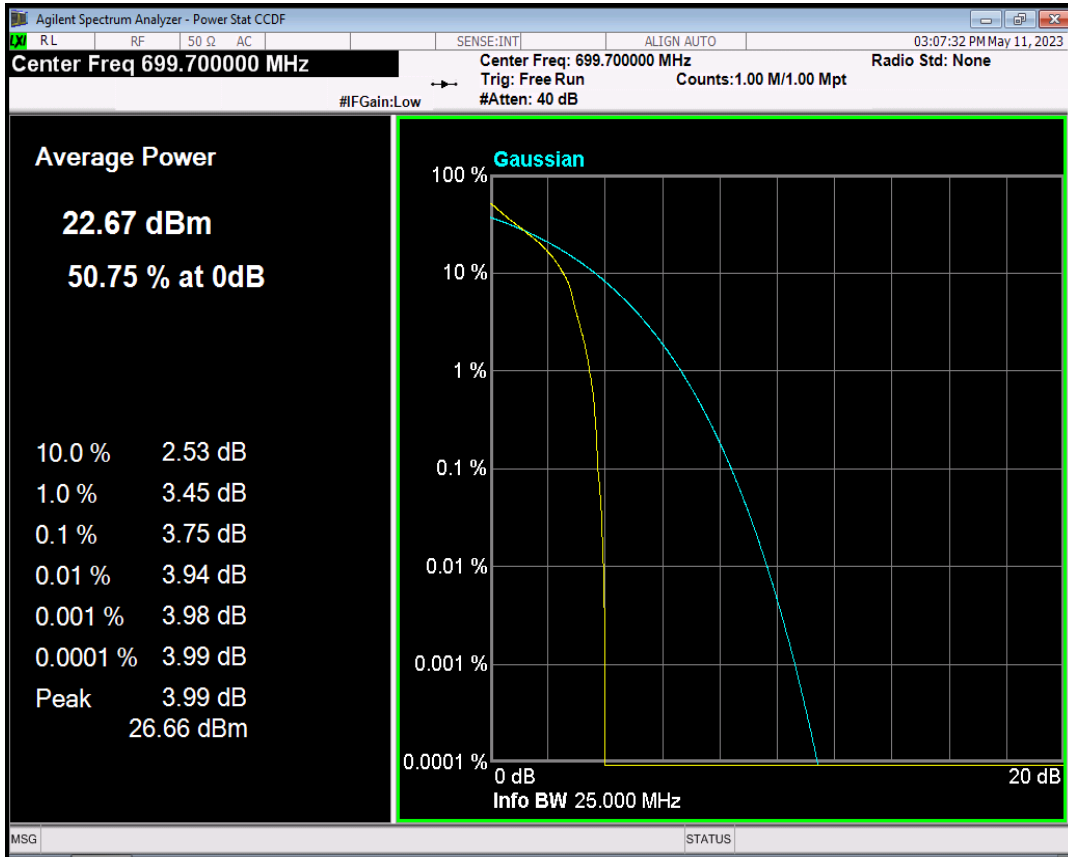
Band1 2	10	23060	50	#0	QPSK	NV	10	-3.33	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	20	-3.16	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	-30	-1.93	-0.00 3	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	-20	-4.33	-0.00 6	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	0	-3.18	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	10	-3.53	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	20	-3.25	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	-30	1.04	0.001	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	-20	-3.12	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	0	-3.56	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	10	-4.39	-0.00 6	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	20	-0.51	-0.00 1	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	-30	-2.73	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	-20	-2.93	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	0	-2.53	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	10	-3.16	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	20	-2.95	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	-30	-2.88	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	-20	-3.18	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	0	-2.50	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	10	-2.70	-0.00 4	-2.5	2.5	PASS
Band1	10	23130	50	#0	QPSK	NV	20	-2.98	-0.00	-2.5	2.5	PASS

2									4			
Band1 2	10	23130	50	#0	16QAM	NV	-30	-1.46	-0.00 2	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	NV	-20	-4.39	-0.00 6	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	NV	0	-4.35	-0.00 6	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	NV	10	-4.35	-0.00 6	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	NV	20	-3.20	-0.00 5	-2.5	2.5	PASS

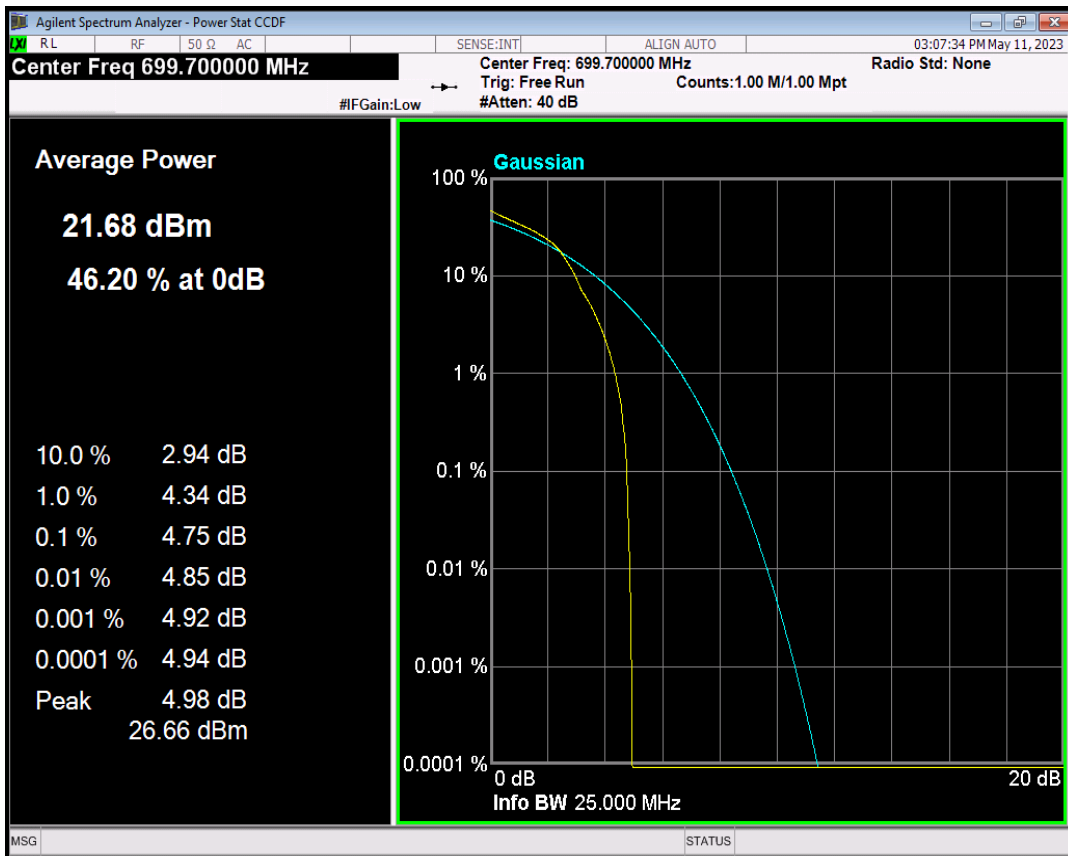
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	3.75	13	PASS
Band12	1.4	23017	1	#0	16QAM	4.75	13	PASS
Band12	1.4	23095	1	#0	QPSK	2.53	13	PASS
Band12	1.4	23095	1	#0	16QAM	3.69	13	PASS
Band12	1.4	23173	1	#0	QPSK	2.81	13	PASS
Band12	1.4	23173	1	#0	16QAM	3.80	13	PASS
Band12	3	23025	1	#0	QPSK	3.79	13	PASS
Band12	3	23025	1	#0	16QAM	4.62	13	PASS
Band12	3	23095	1	#0	QPSK	2.85	13	PASS
Band12	3	23095	1	#0	16QAM	3.87	13	PASS
Band12	3	23165	1	#0	QPSK	3.48	13	PASS
Band12	3	23165	1	#0	16QAM	4.66	13	PASS
Band12	5	23035	1	#0	QPSK	3.66	13	PASS
Band12	5	23035	1	#0	16QAM	4.44	13	PASS
Band12	5	23095	1	#0	QPSK	3.35	13	PASS
Band12	5	23095	1	#0	16QAM	4.32	13	PASS
Band12	5	23155	1	#0	QPSK	3.81	13	PASS
Band12	5	23155	1	#0	16QAM	4.54	13	PASS
Band12	10	23060	1	#0	QPSK	3.47	13	PASS
Band12	10	23060	1	#0	16QAM	4.34	13	PASS
Band12	10	23095	1	#0	QPSK	4.53	13	PASS
Band12	10	23095	1	#0	16QAM	5.41	13	PASS
Band12	10	23130	1	#0	QPSK	2.49	13	PASS
Band12	10	23130	1	#0	16QAM	3.57	13	PASS

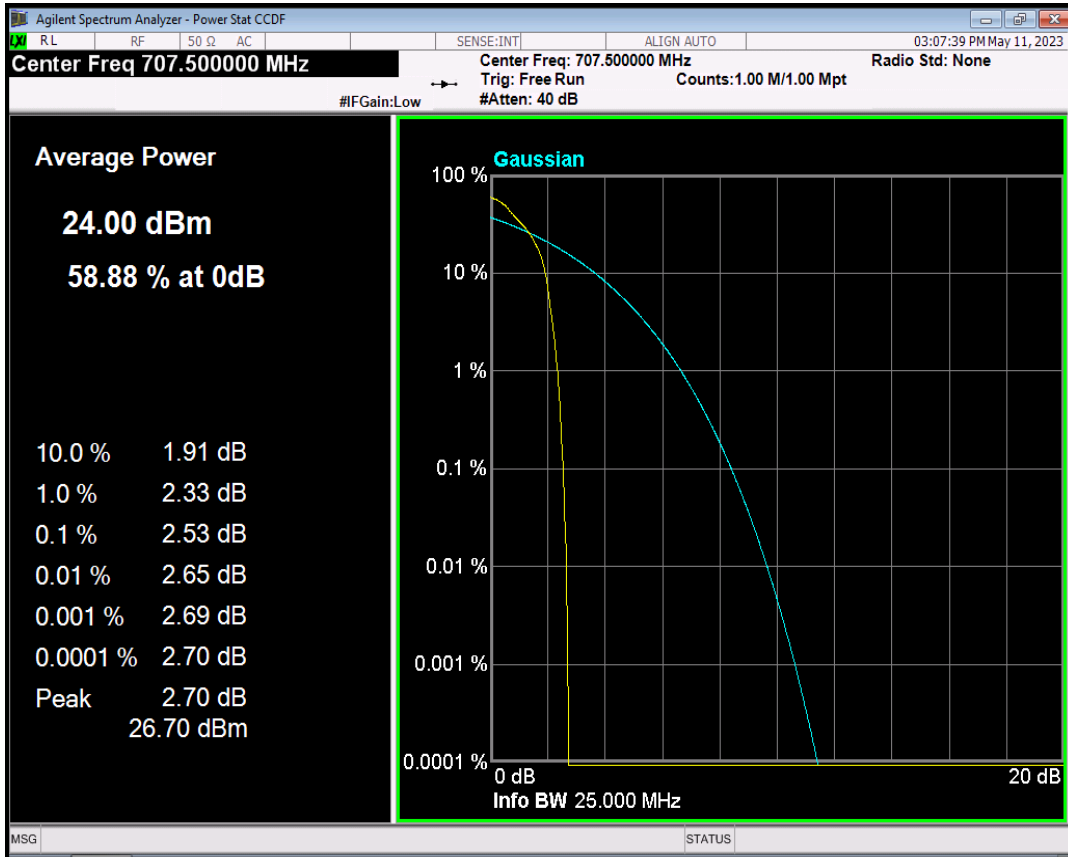
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



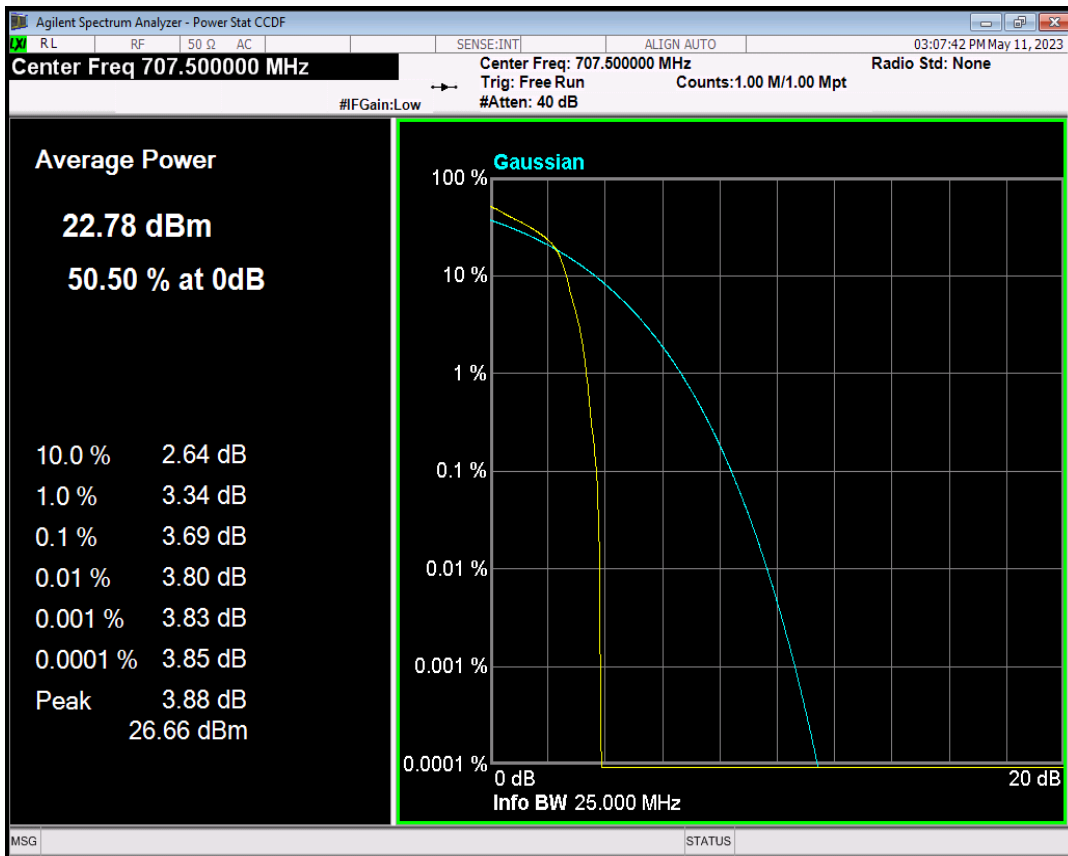
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



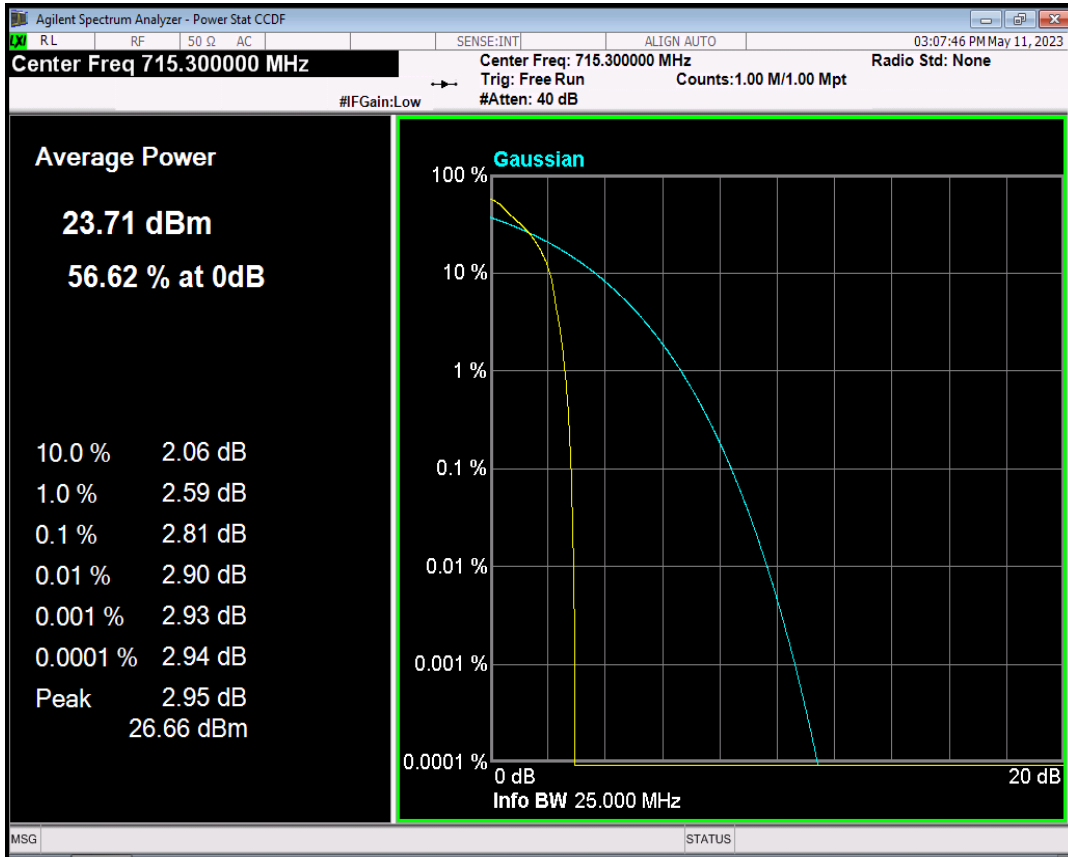
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



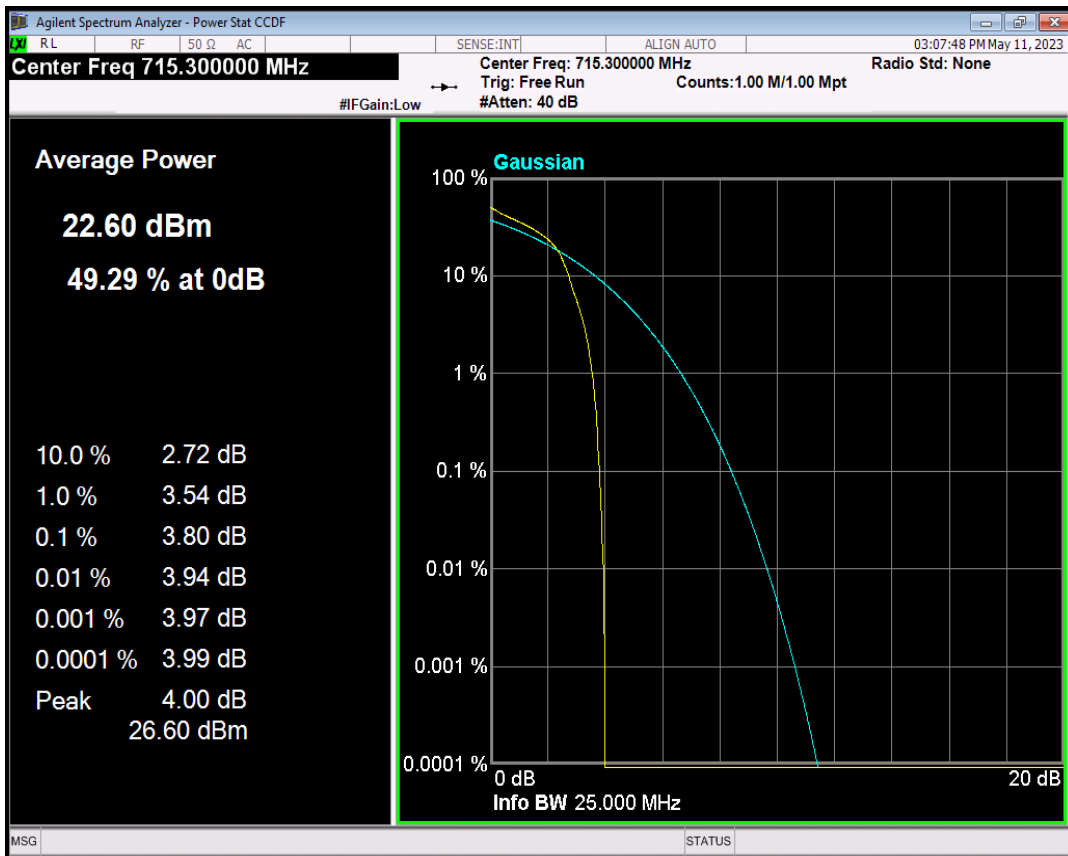
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



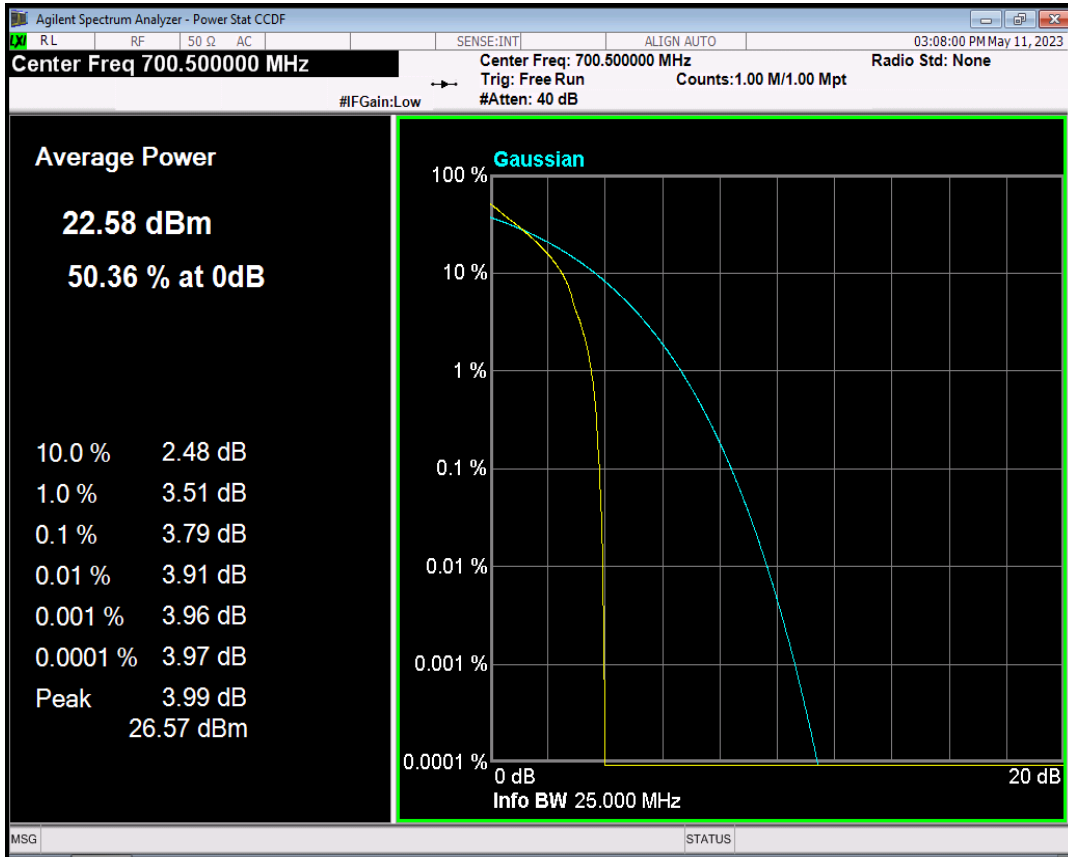
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



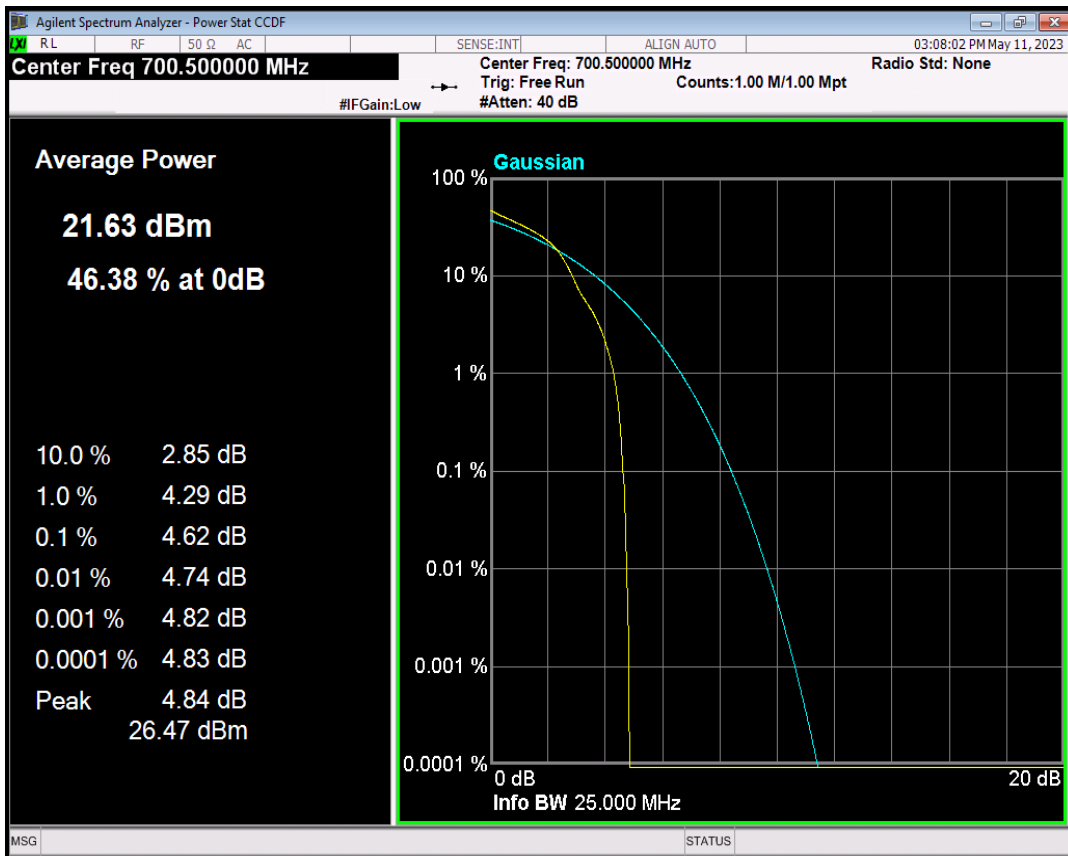
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



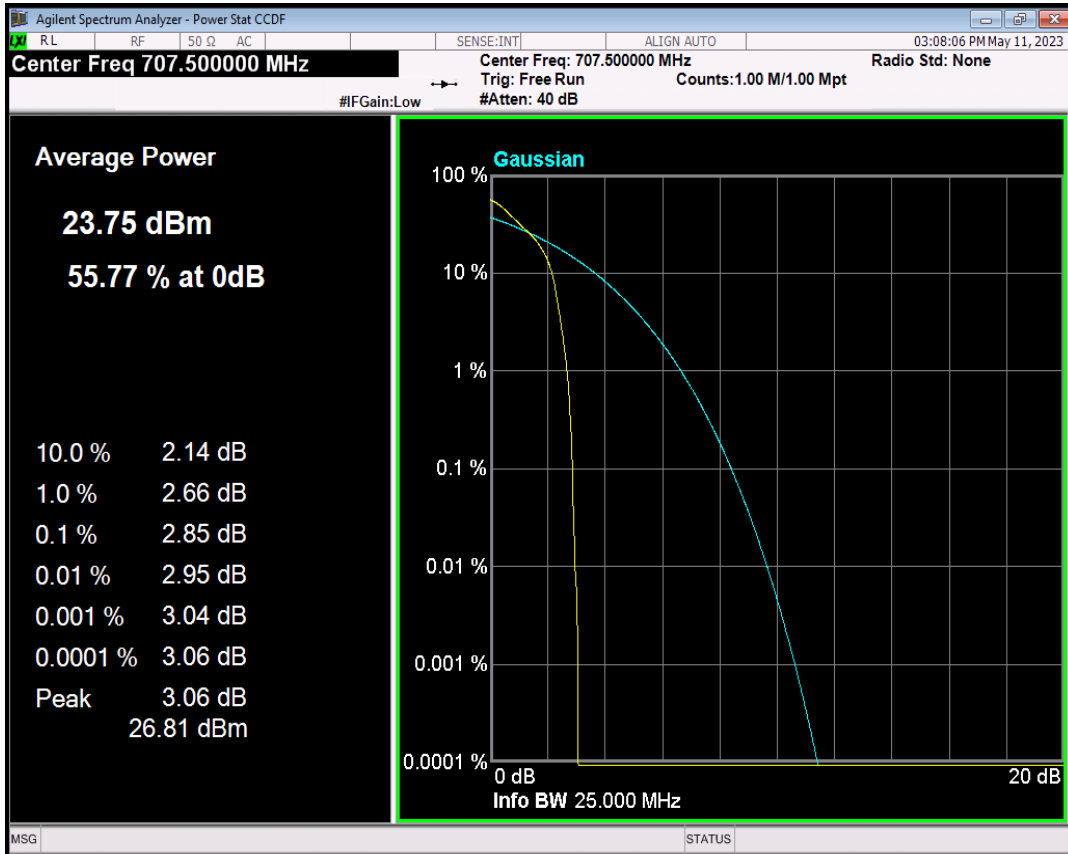
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



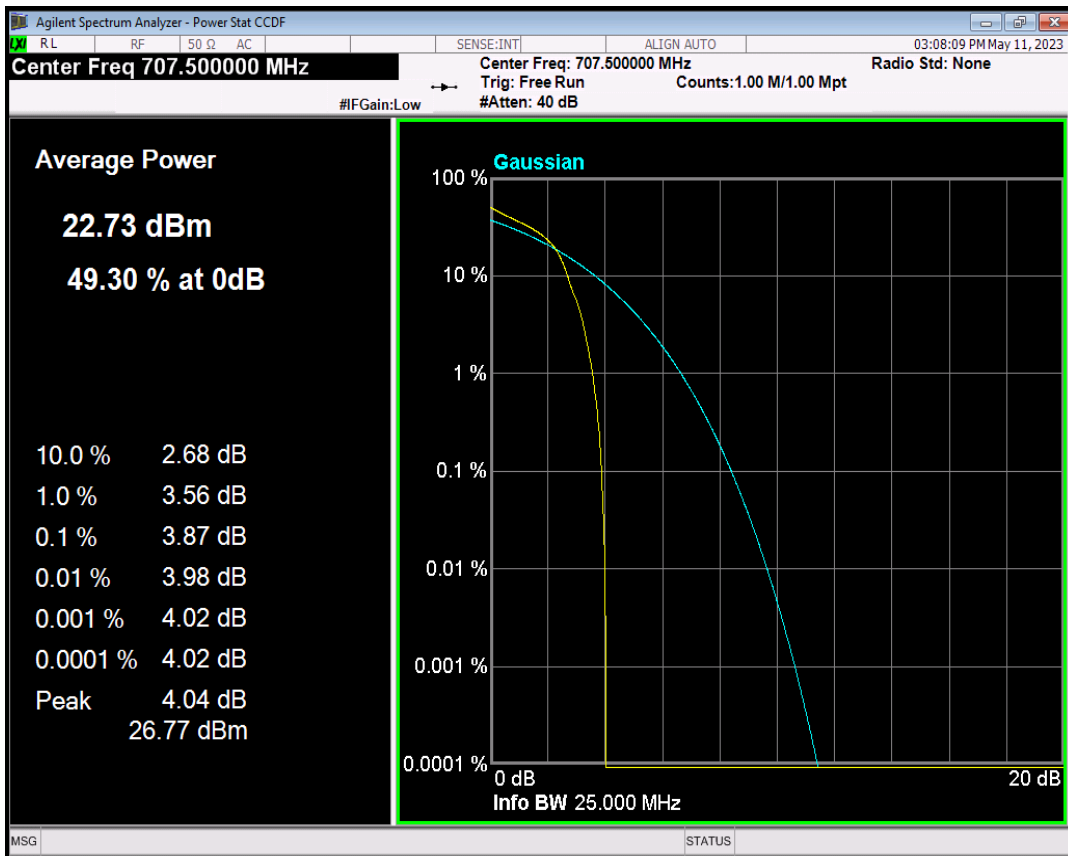
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



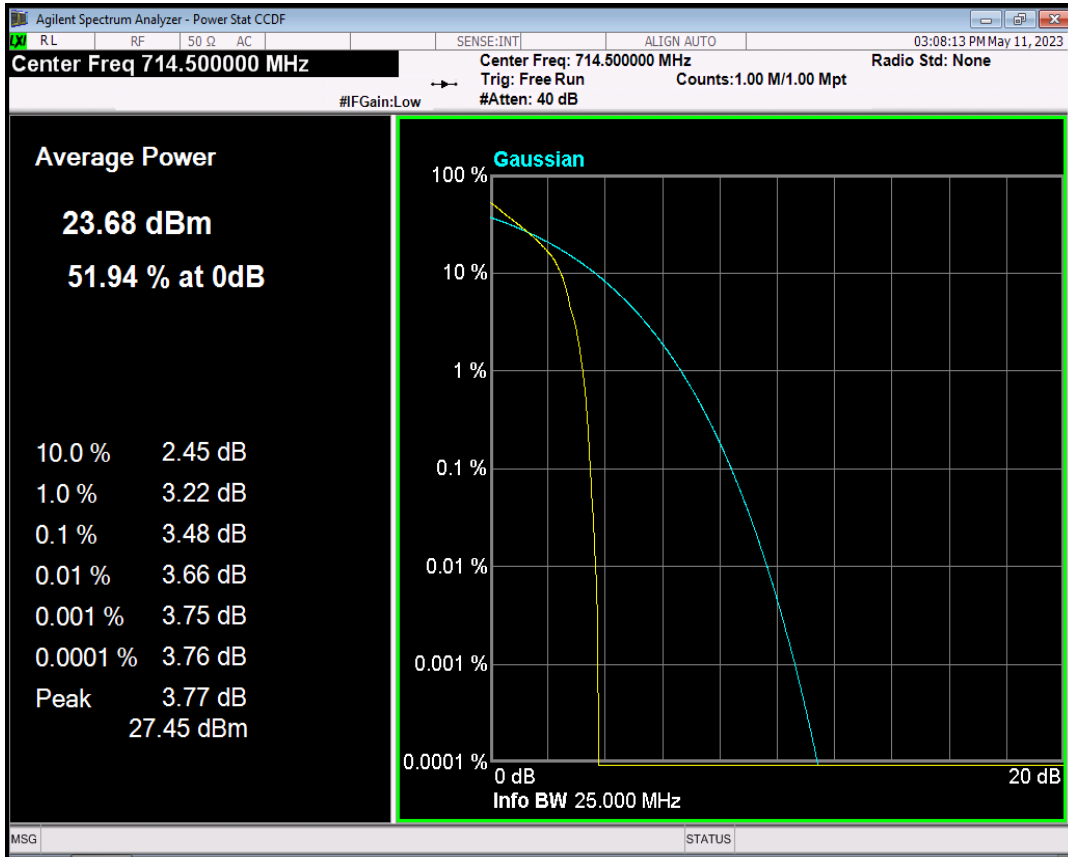
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



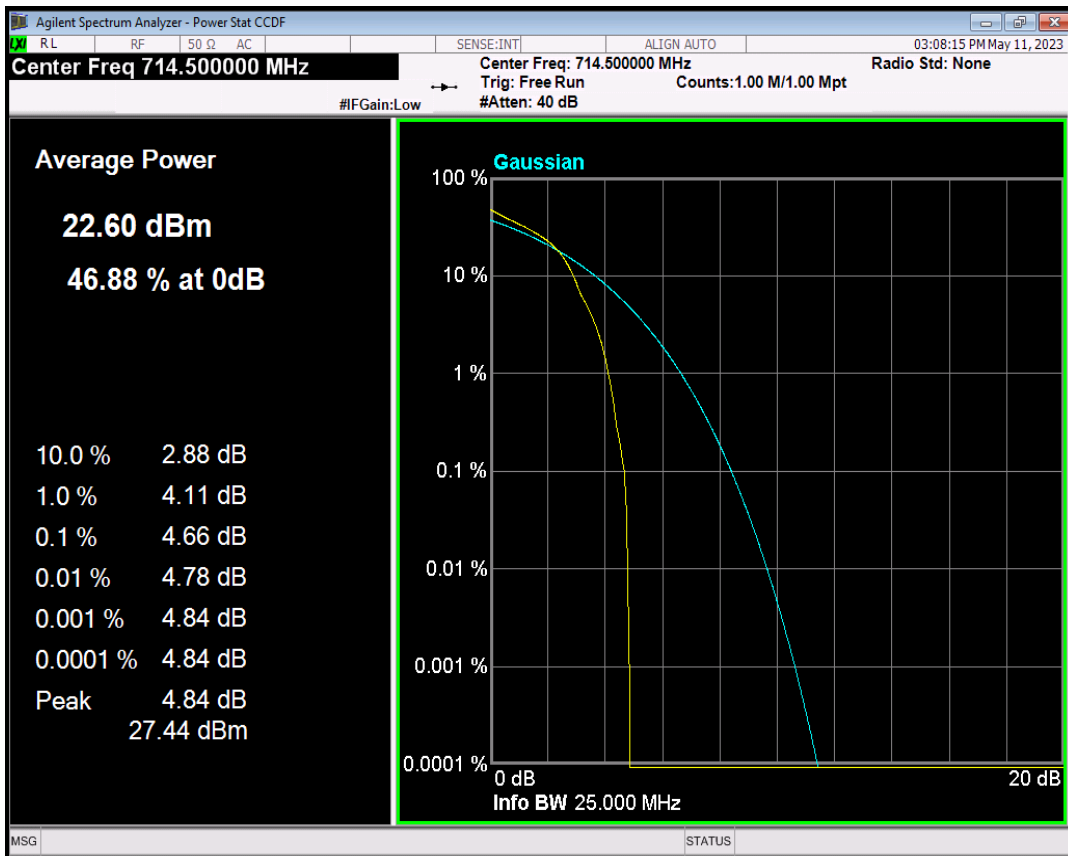
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



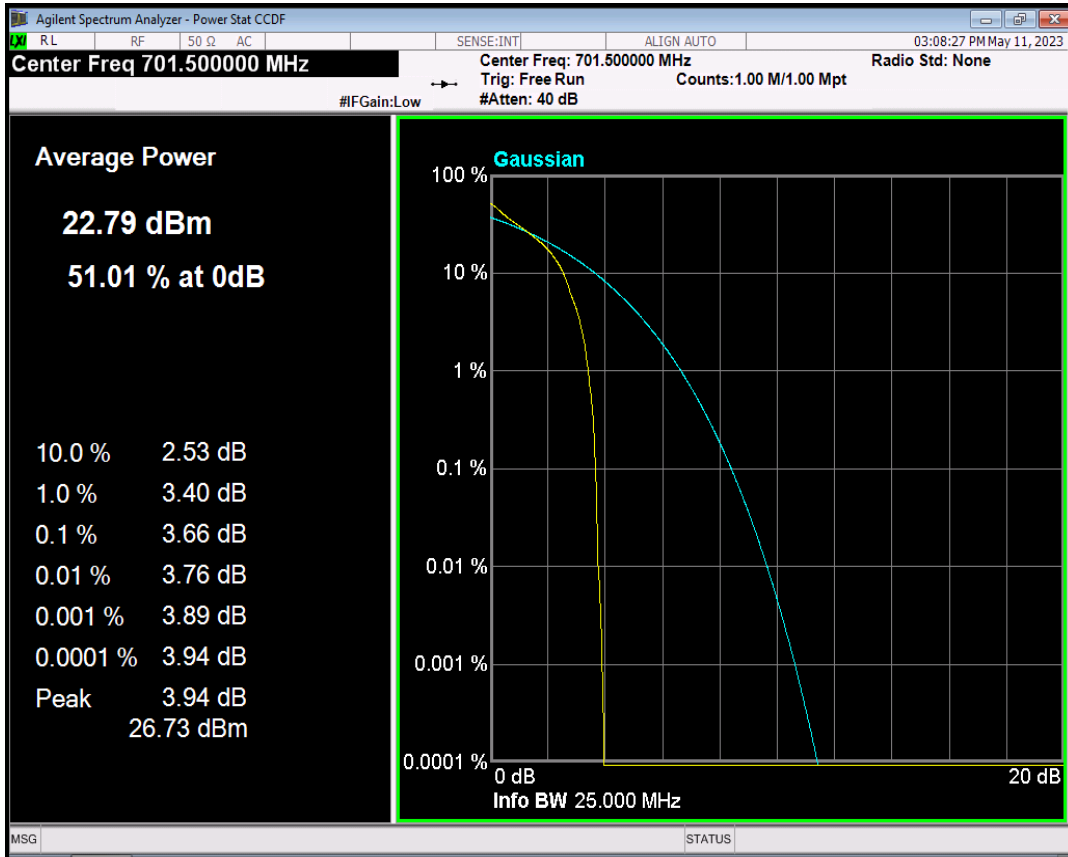
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



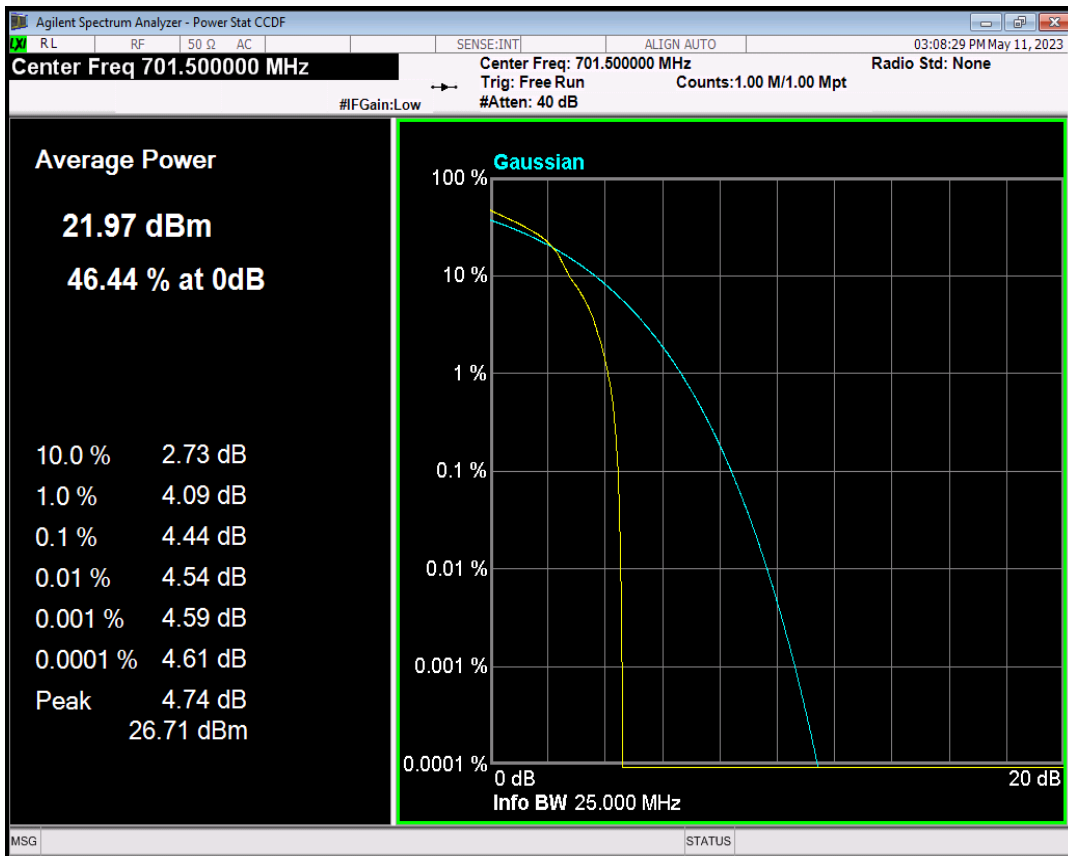
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



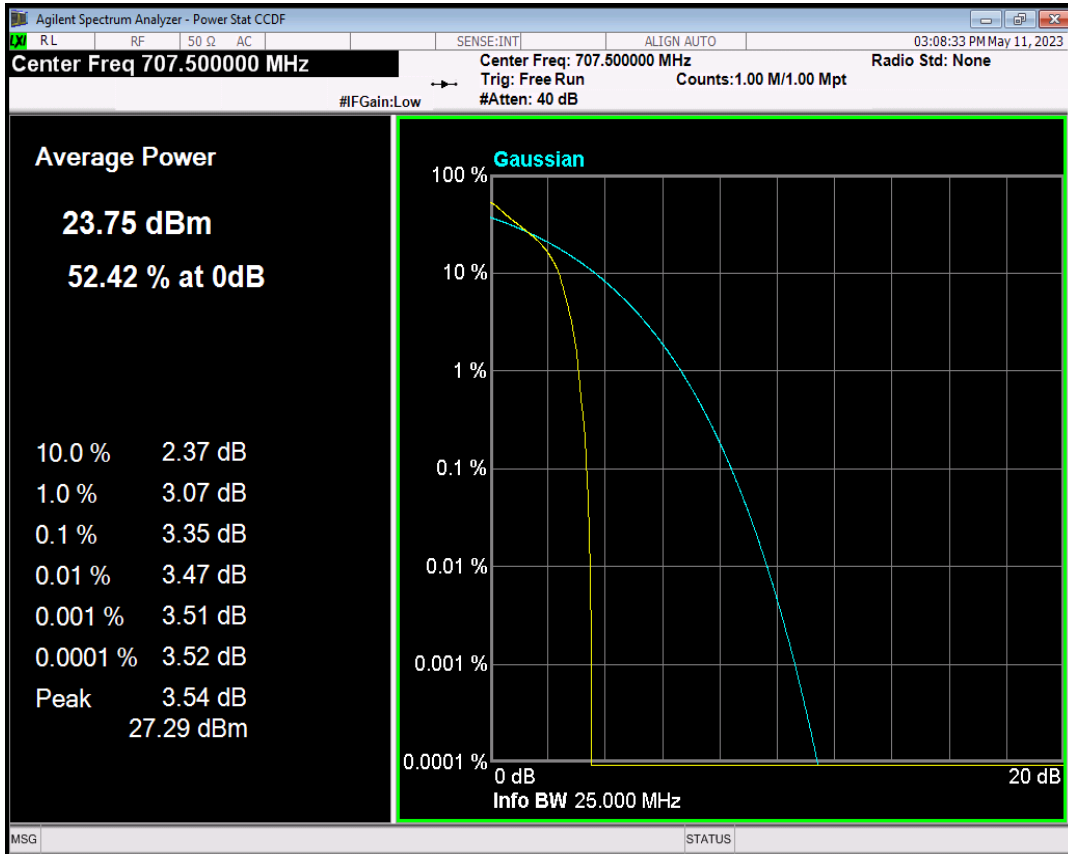
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



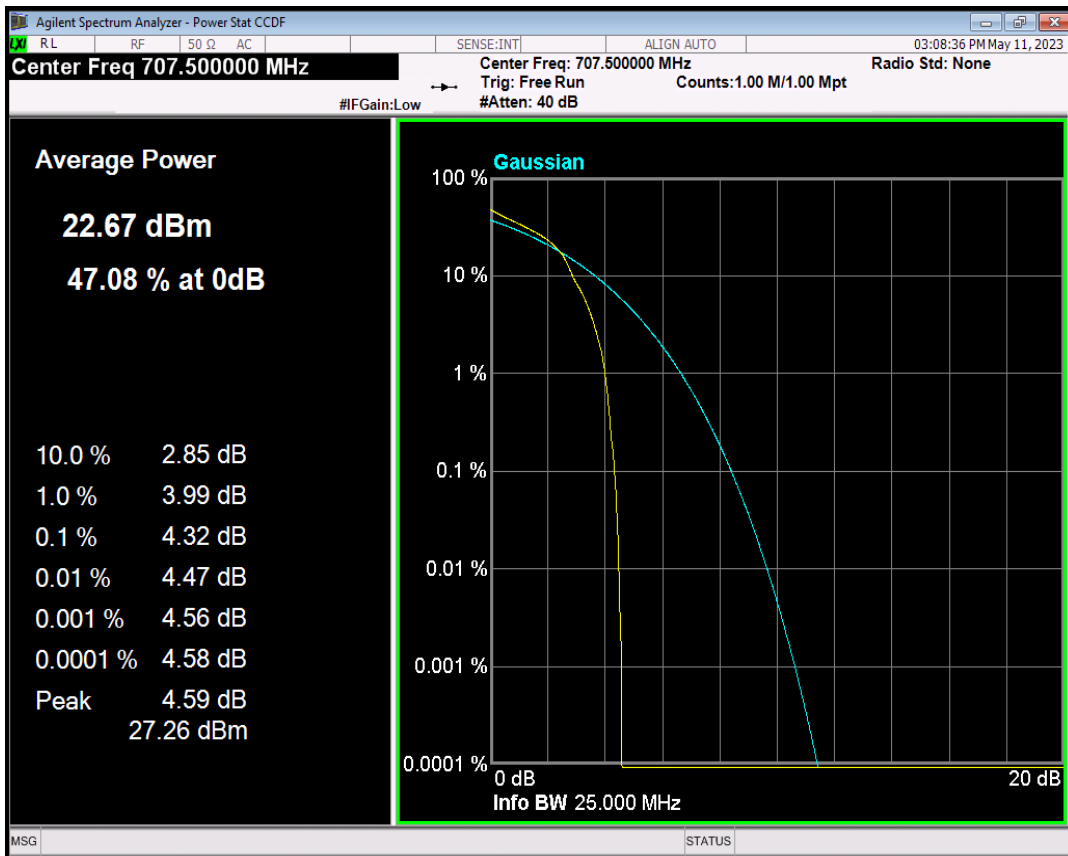
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



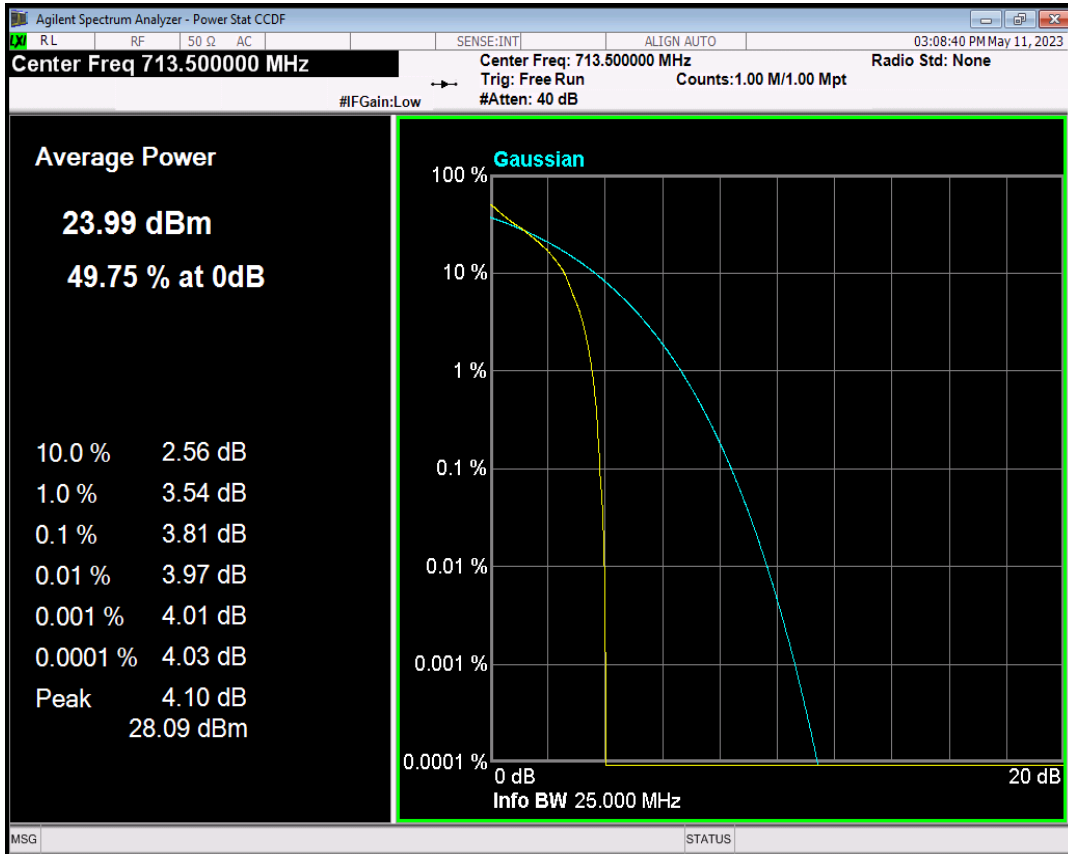
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



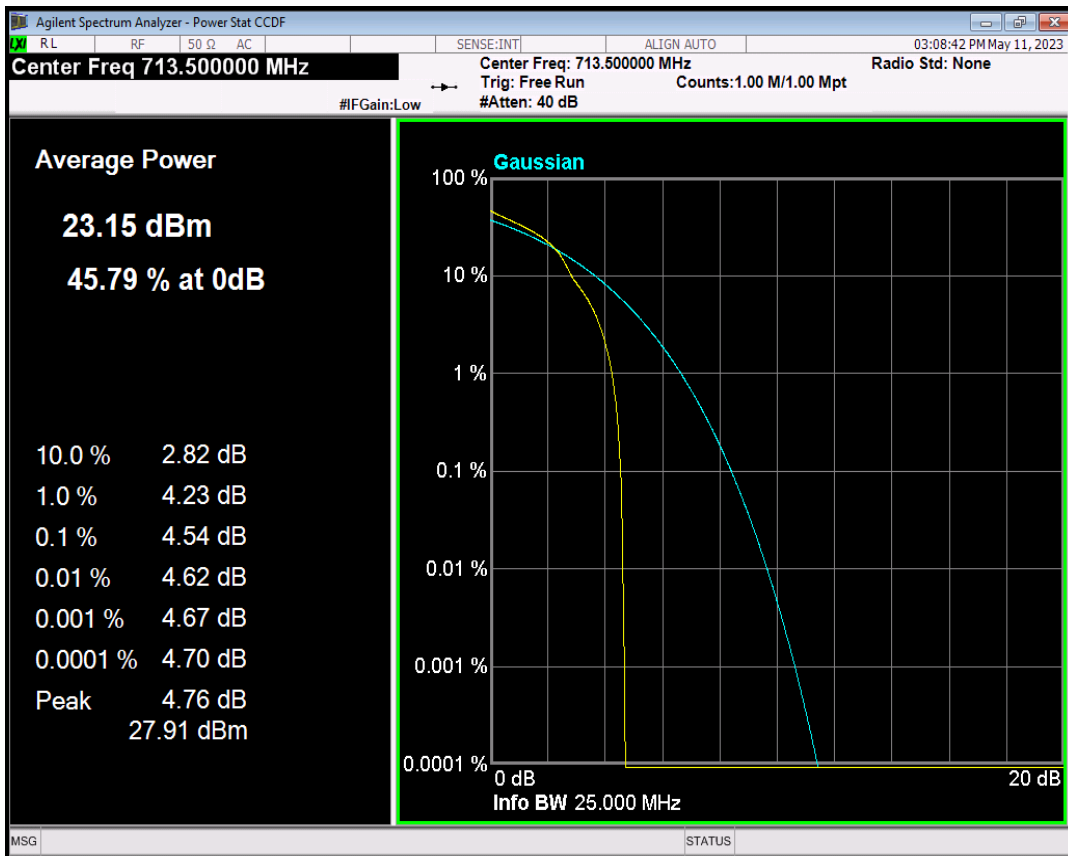
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



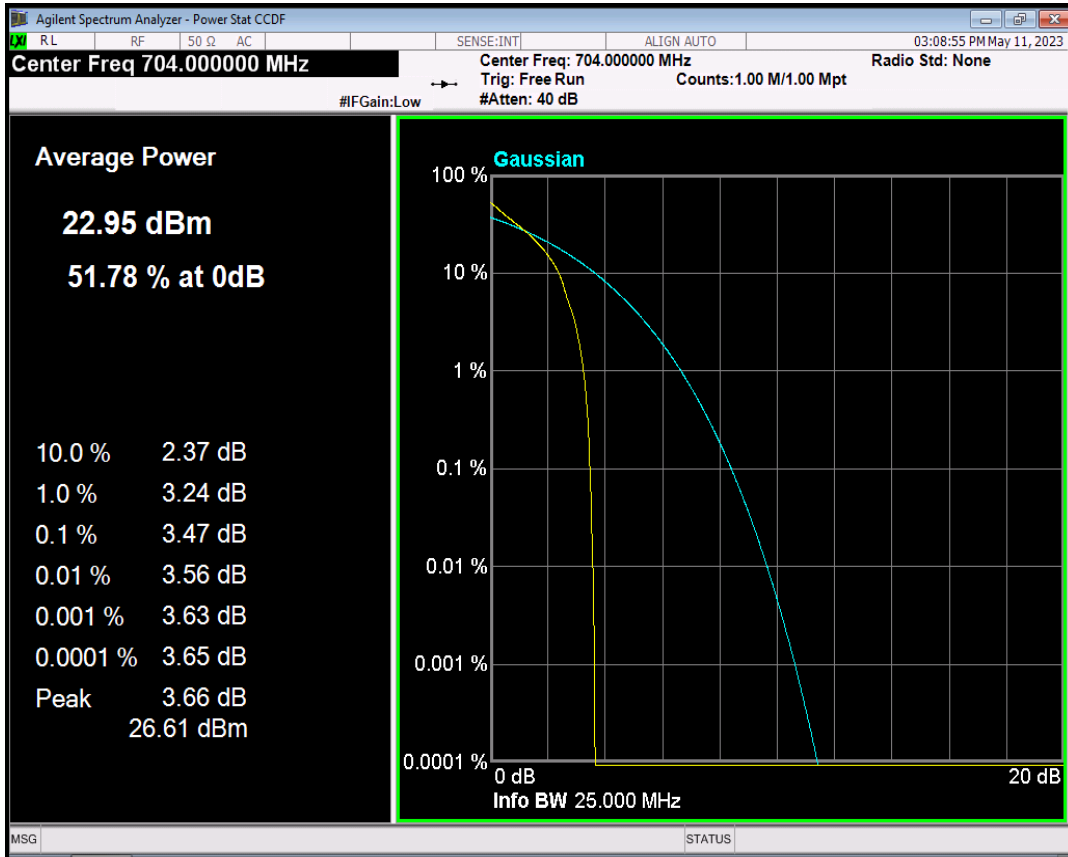
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



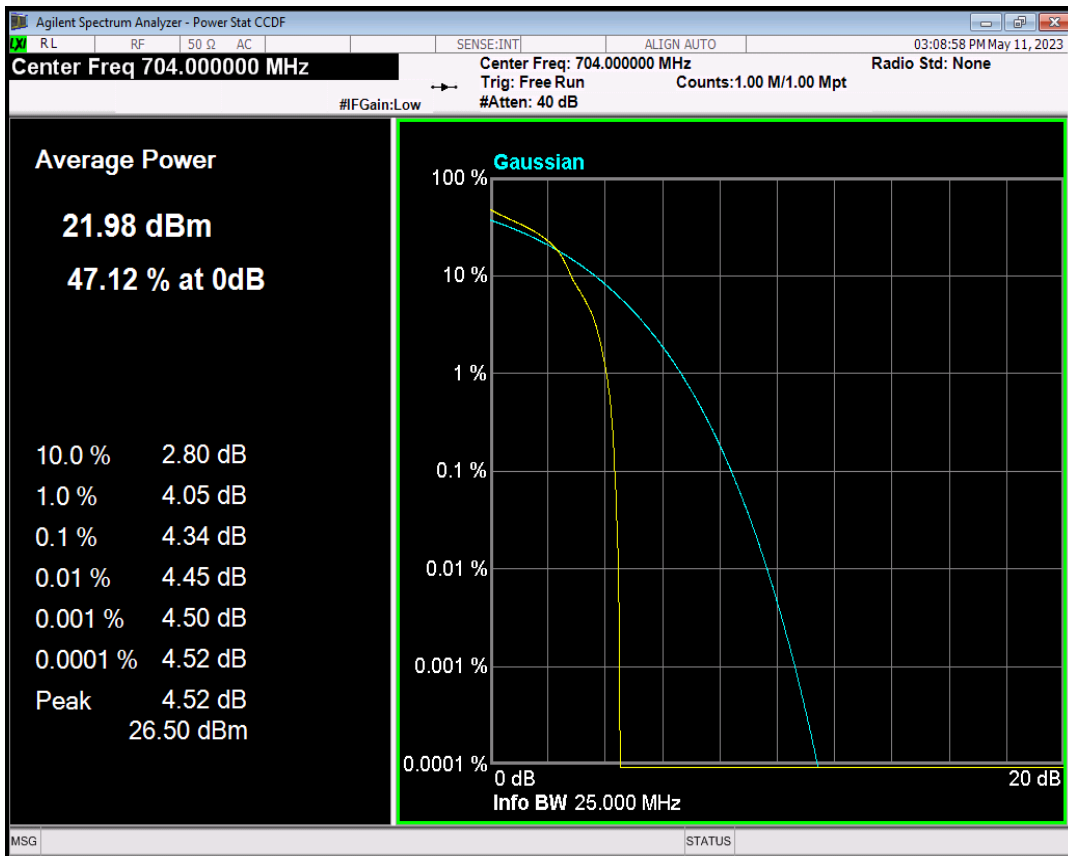
Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



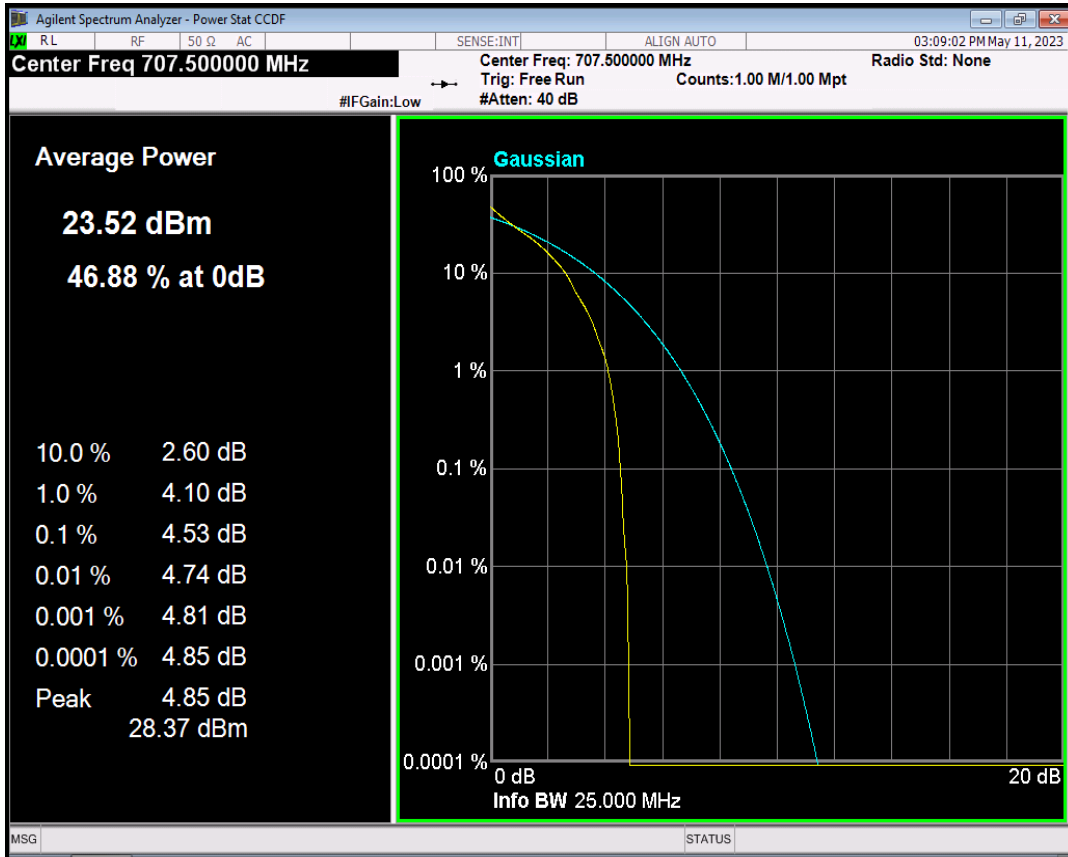
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



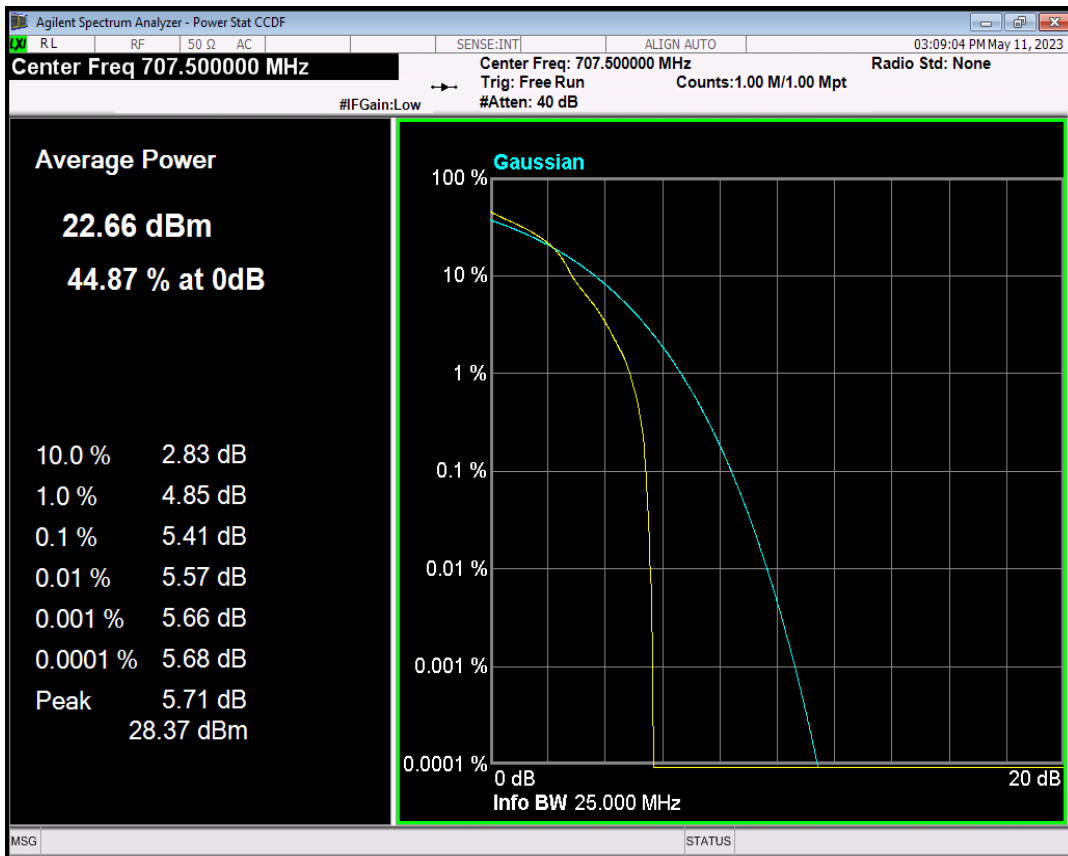
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



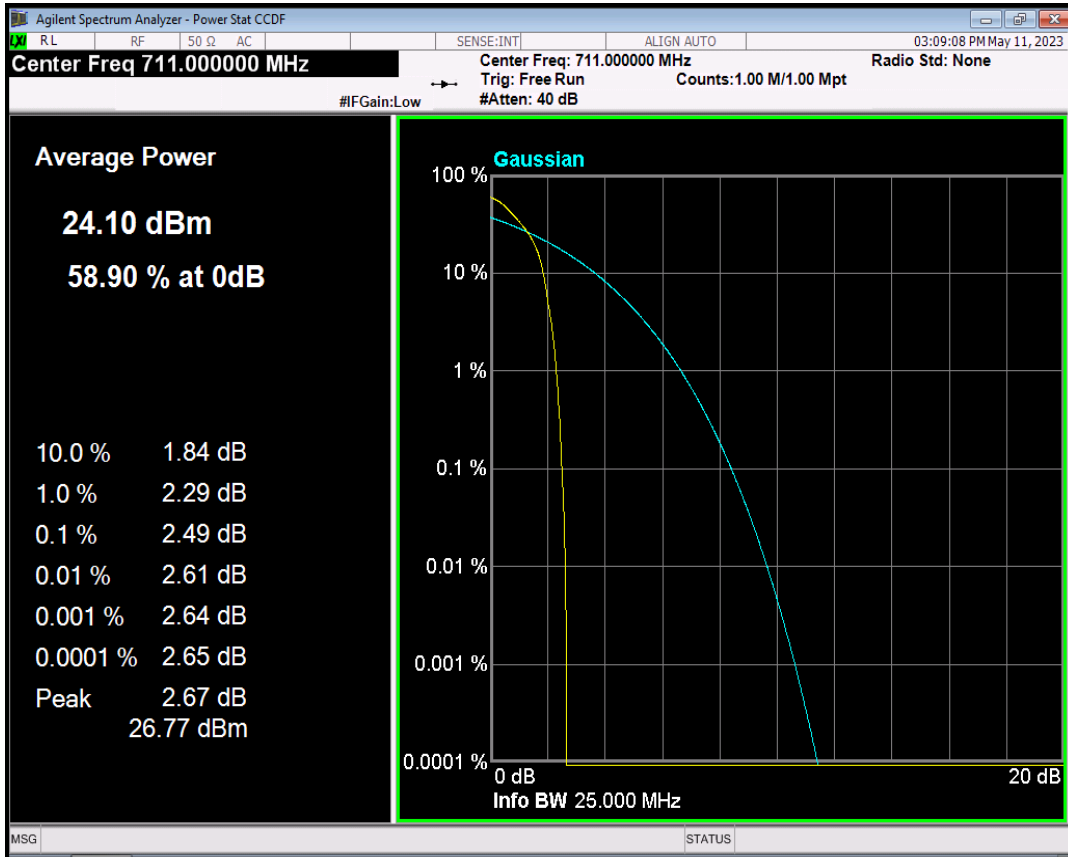
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



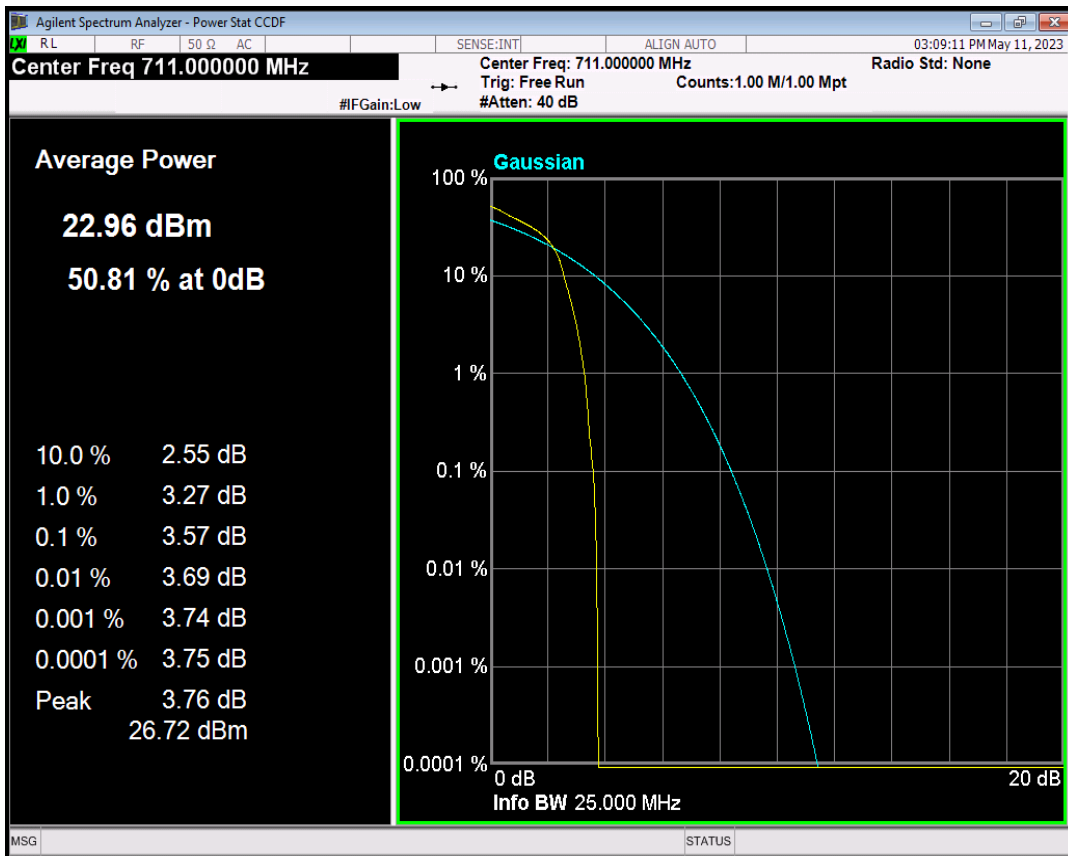
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



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



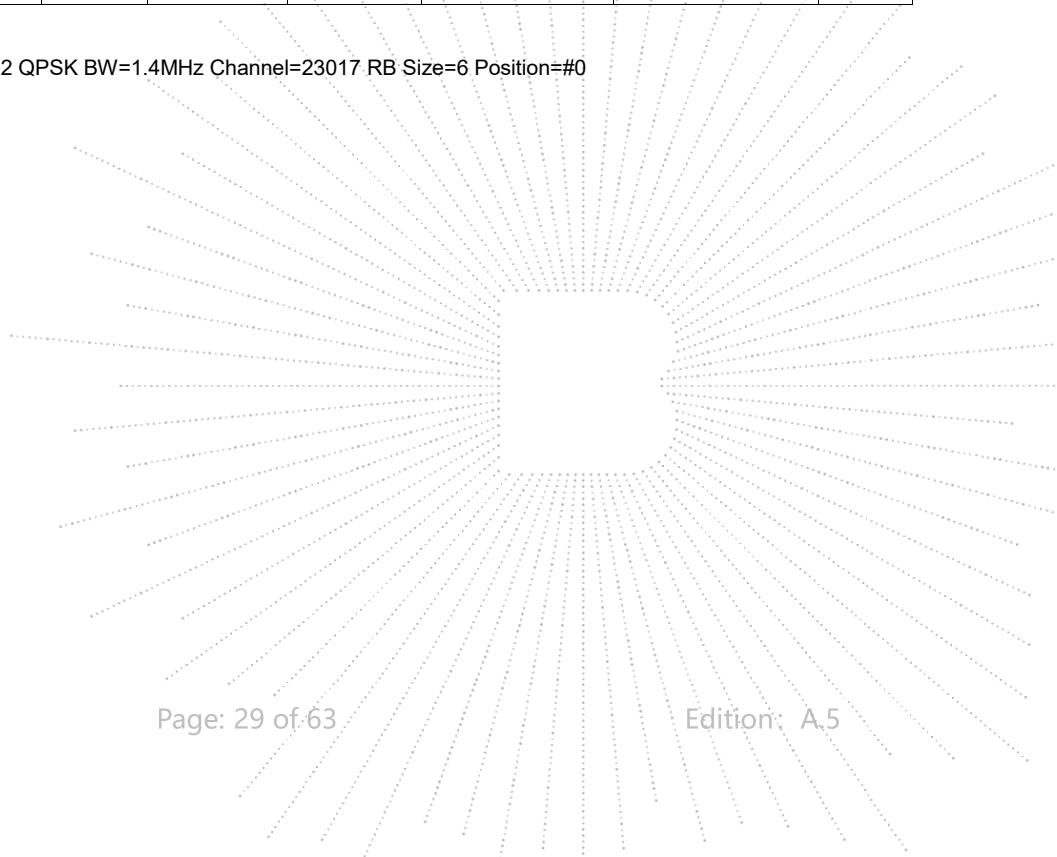
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0

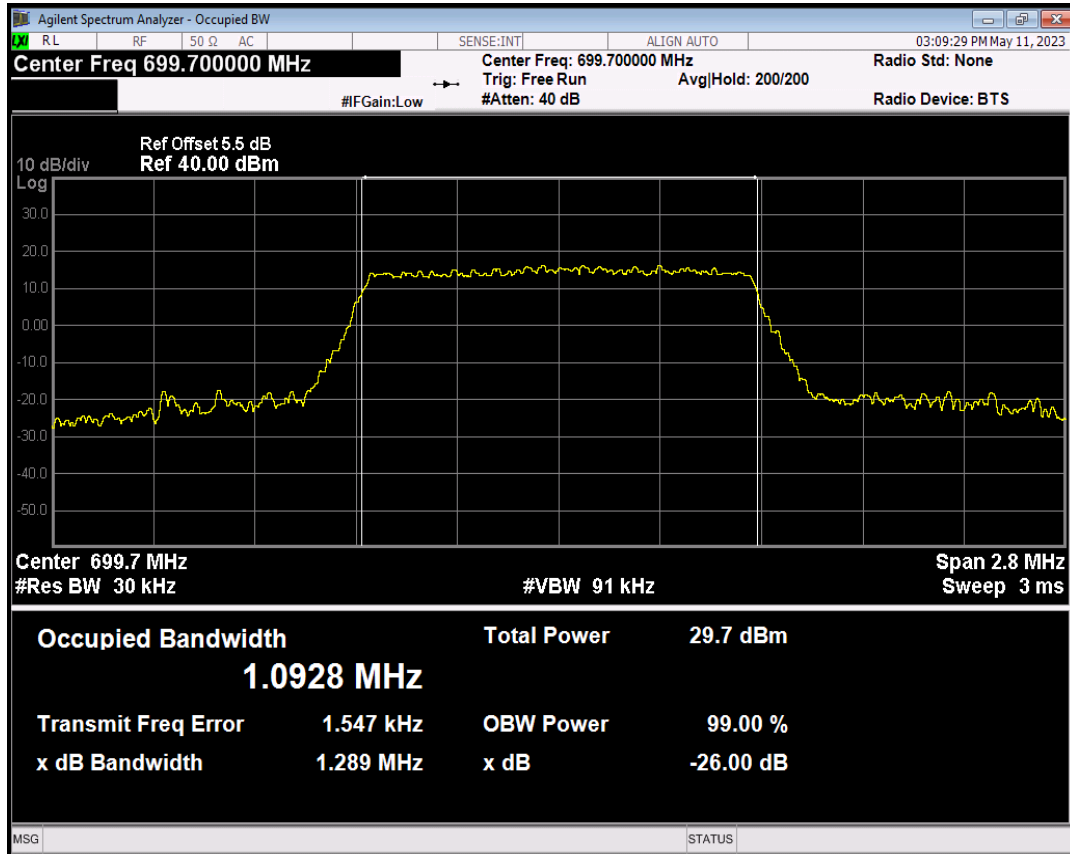


Appendix 4. Occupied bandwidth

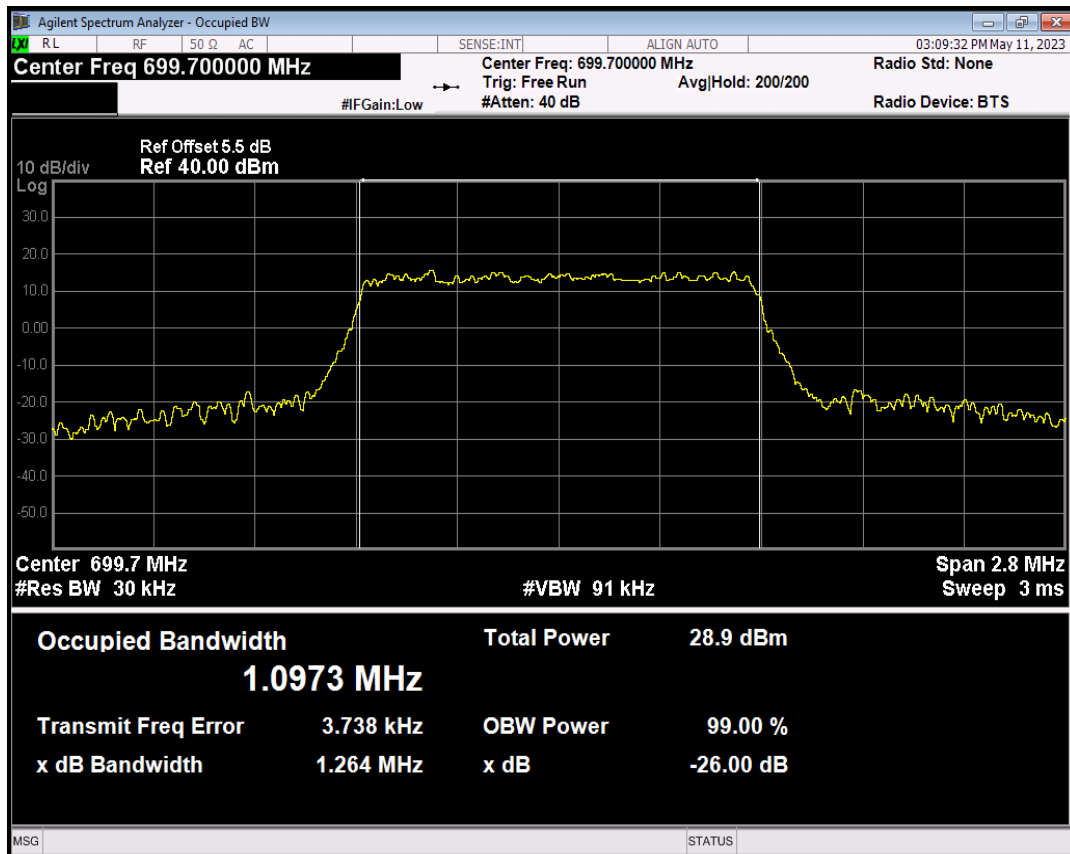
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.093	1.289	PASS
Band12	1.4	23017	6	#0	16QAM	1.097	1.264	PASS
Band12	1.4	23095	6	#0	QPSK	1.107	1.298	PASS
Band12	1.4	23095	6	#0	16QAM	1.103	1.280	PASS
Band12	1.4	23173	6	#0	QPSK	1.096	1.294	PASS
Band12	1.4	23173	6	#0	16QAM	1.106	1.294	PASS
Band12	3	23025	15	#0	QPSK	2.676	2.954	PASS
Band12	3	23025	15	#0	16QAM	2.683	2.947	PASS
Band12	3	23095	15	#0	QPSK	2.696	2.964	PASS
Band12	3	23095	15	#0	16QAM	2.682	3.020	PASS
Band12	3	23165	15	#0	QPSK	2.692	2.974	PASS
Band12	3	23165	15	#0	16QAM	2.696	2.979	PASS
Band12	5	23035	25	#0	QPSK	4.500	4.860	PASS
Band12	5	23035	25	#0	16QAM	4.483	4.872	PASS
Band12	5	23095	25	#0	QPSK	4.495	4.907	PASS
Band12	5	23095	25	#0	16QAM	4.524	4.893	PASS
Band12	5	23155	25	#0	QPSK	4.512	4.921	PASS
Band12	5	23155	25	#0	16QAM	4.511	4.897	PASS
Band12	10	23060	50	#0	QPSK	8.980	9.705	PASS
Band12	10	23060	50	#0	16QAM	9.005	9.738	PASS
Band12	10	23095	50	#0	QPSK	8.981	9.665	PASS
Band12	10	23095	50	#0	16QAM	8.952	9.668	PASS
Band12	10	23130	50	#0	QPSK	8.964	10.270	PASS
Band12	10	23130	50	#0	16QAM	8.961	9.551	PASS

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

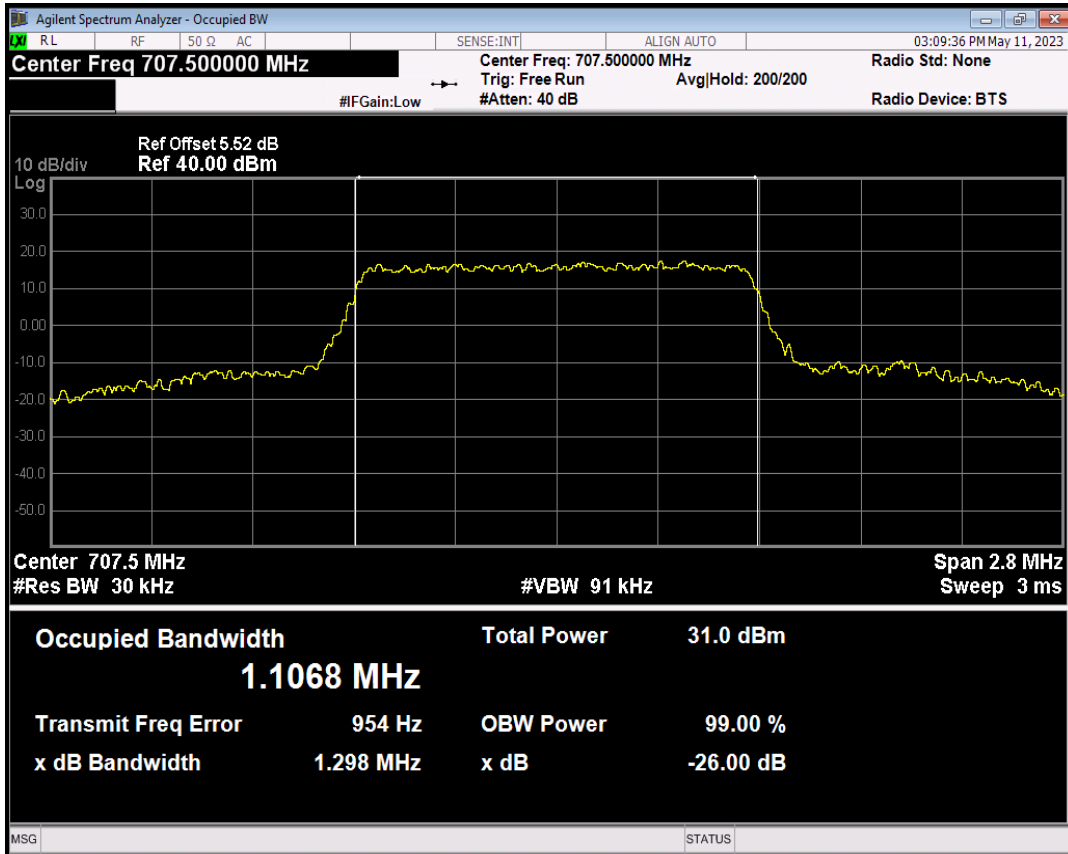




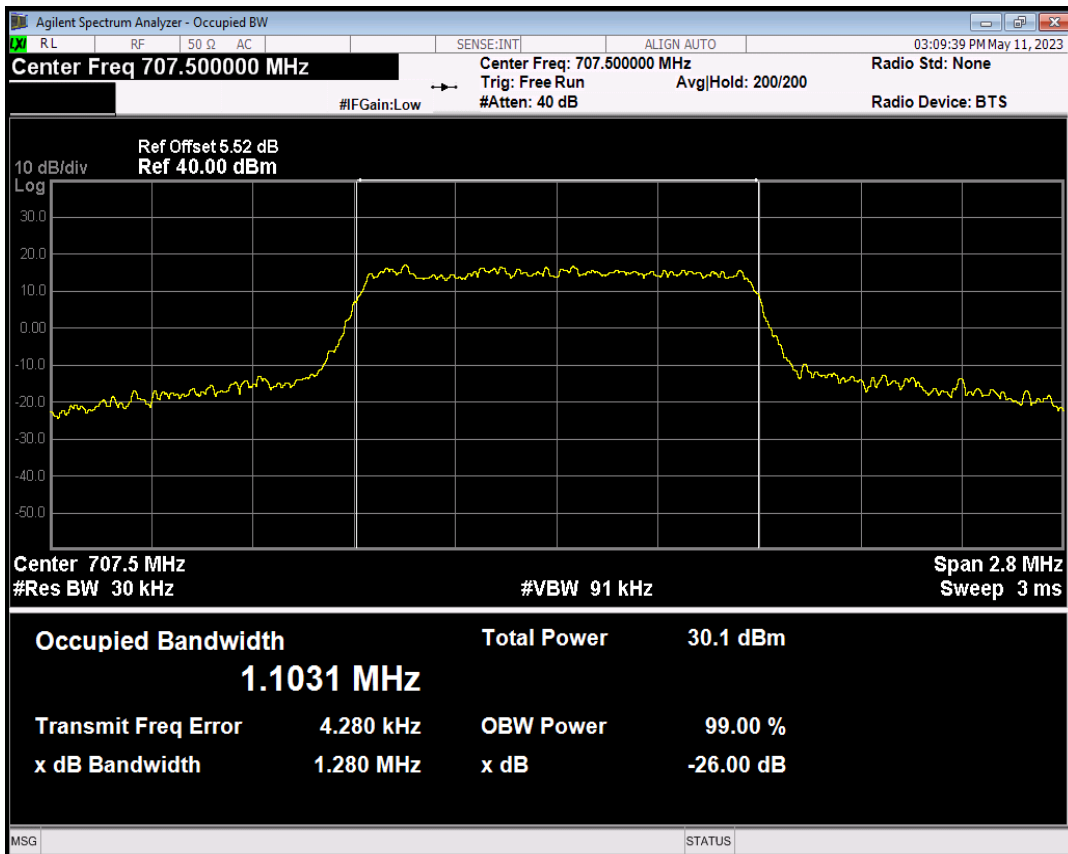
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



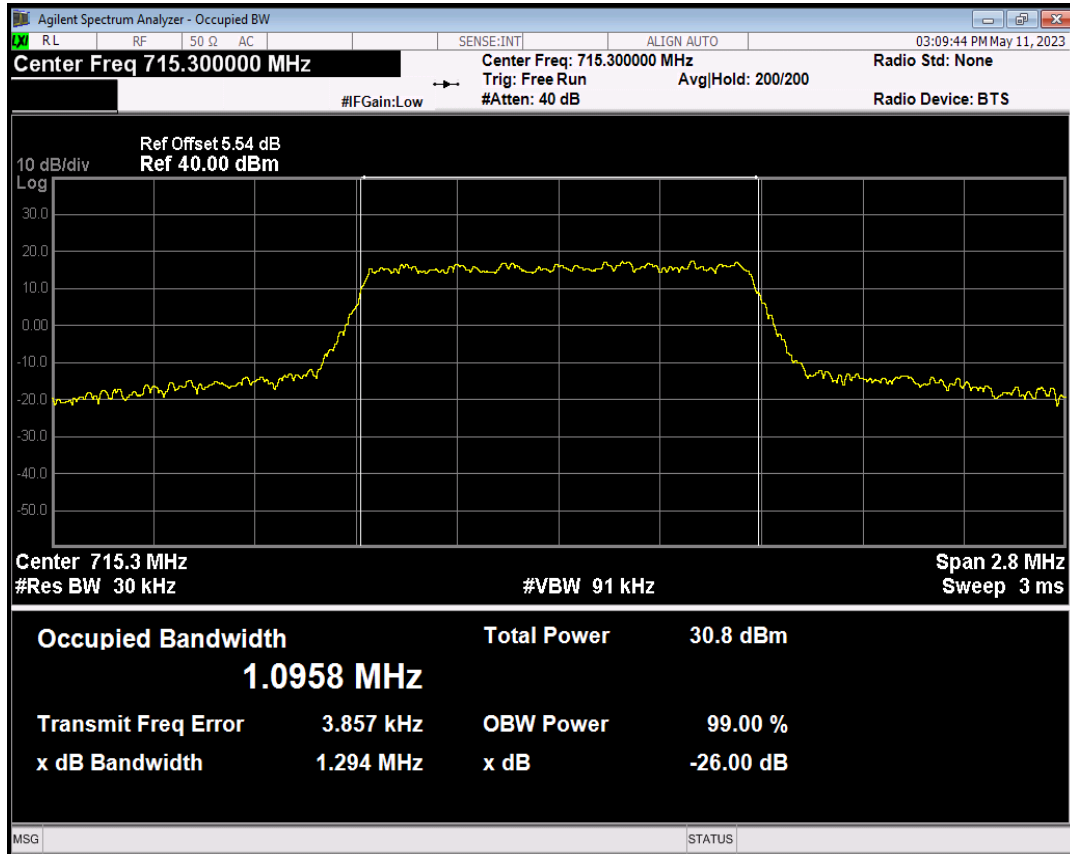
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



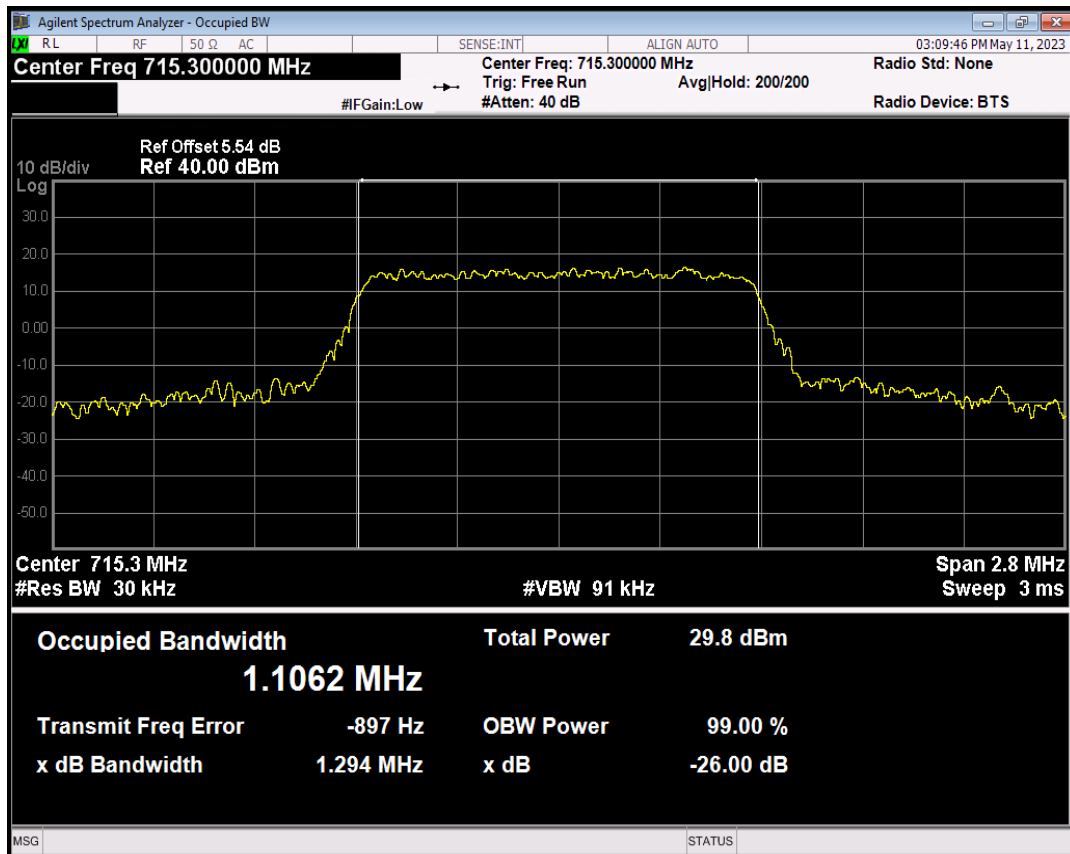
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



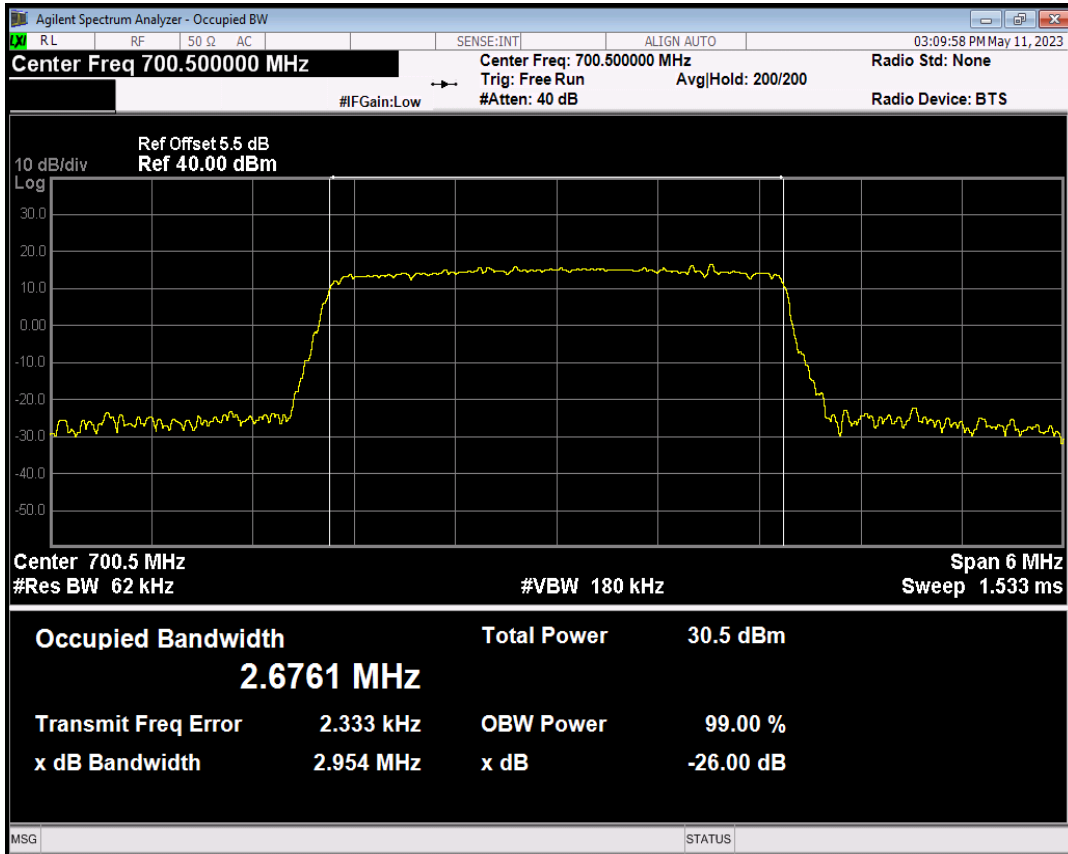
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



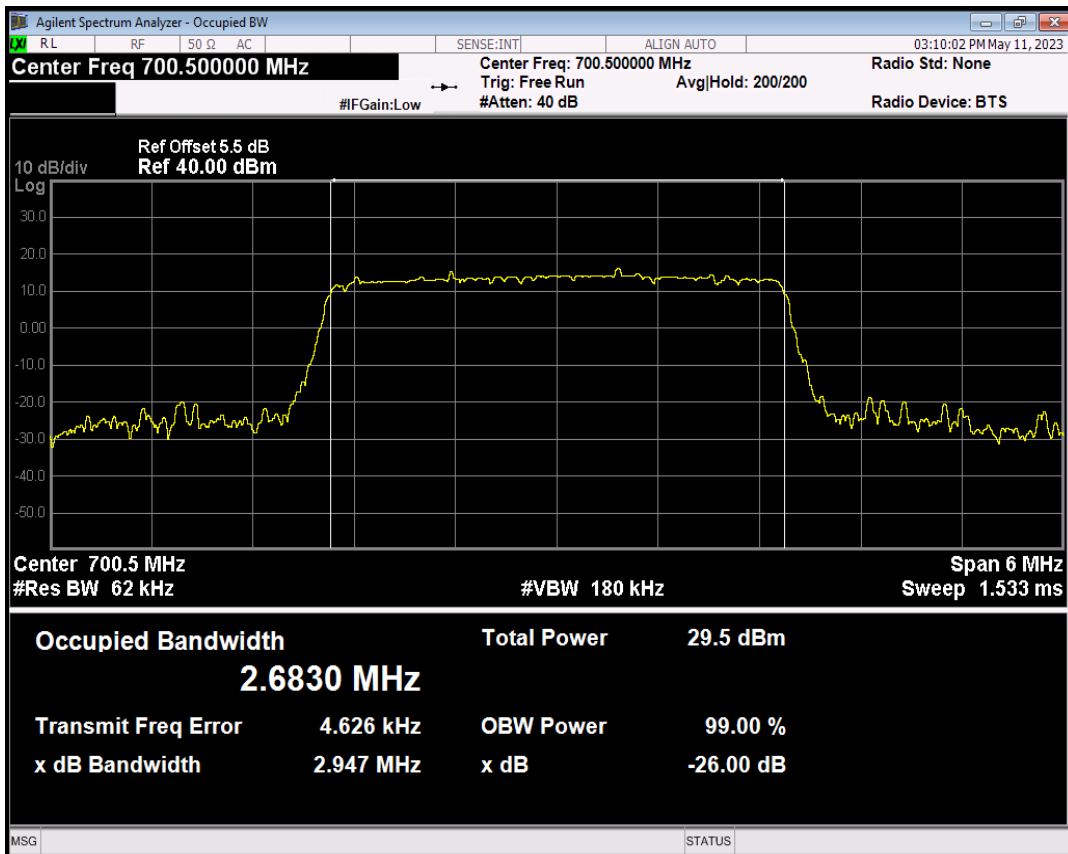
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



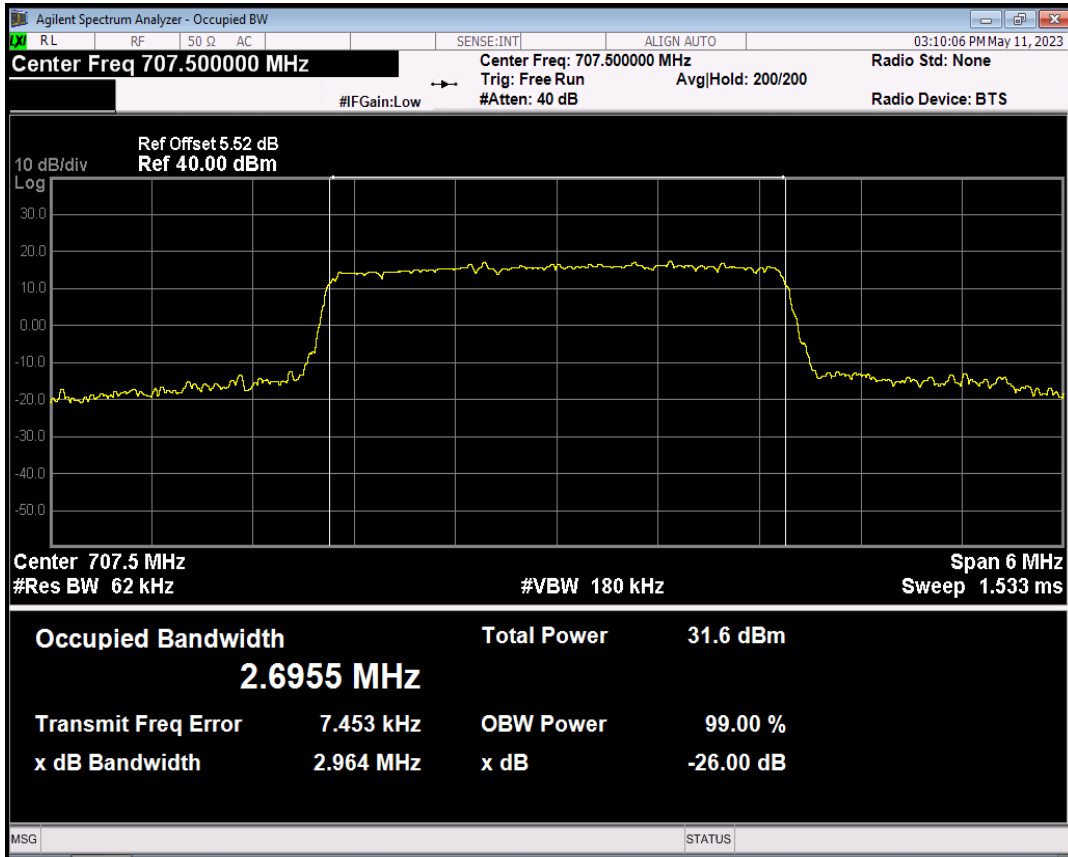
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



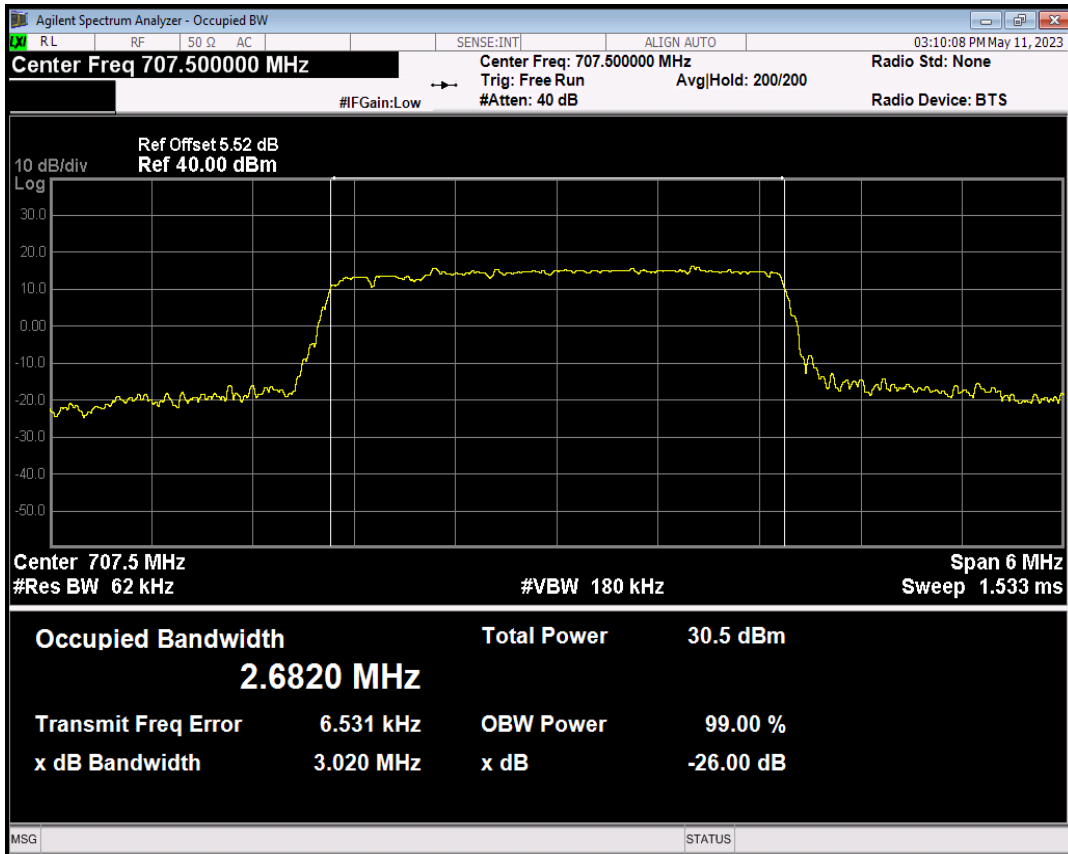
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



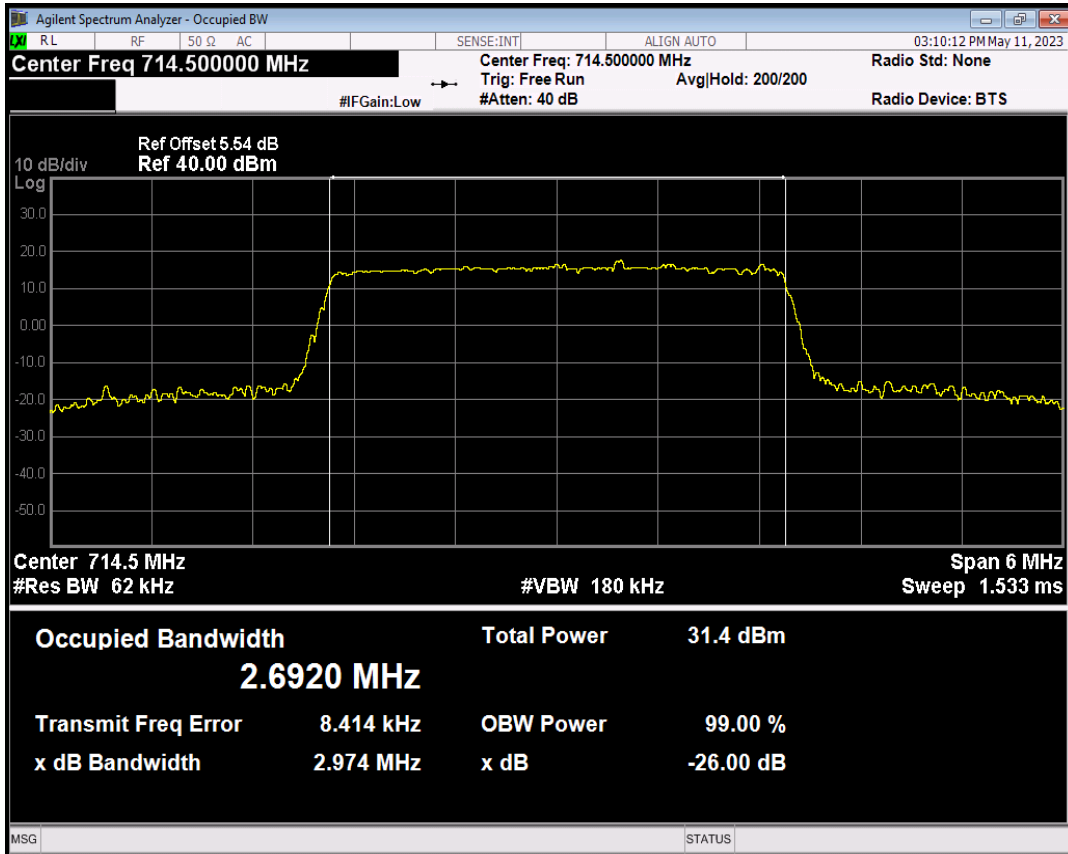
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



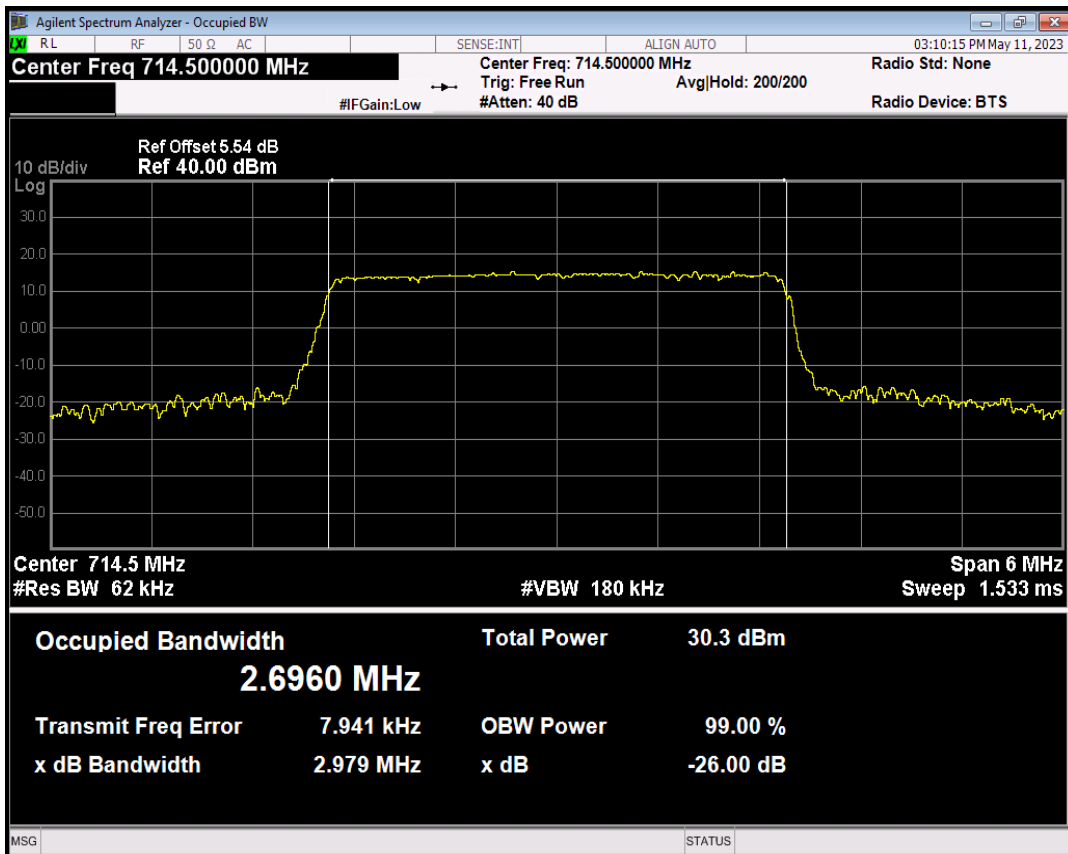
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



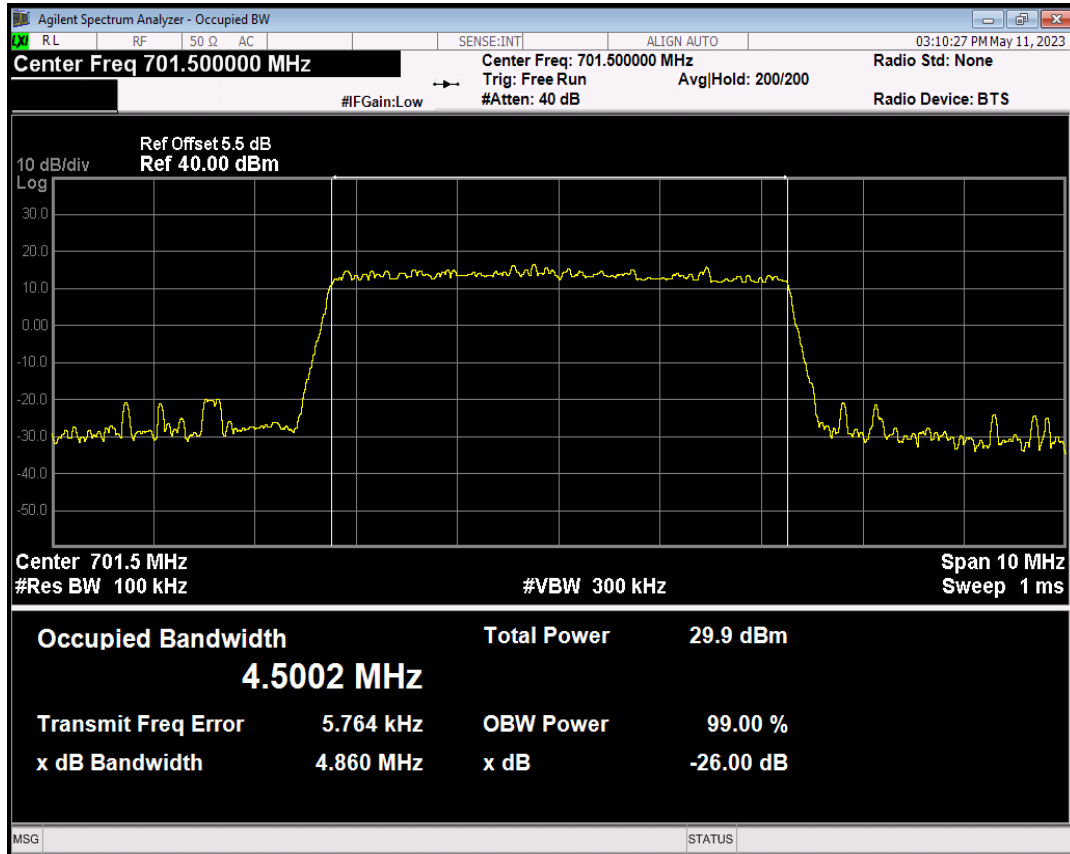
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



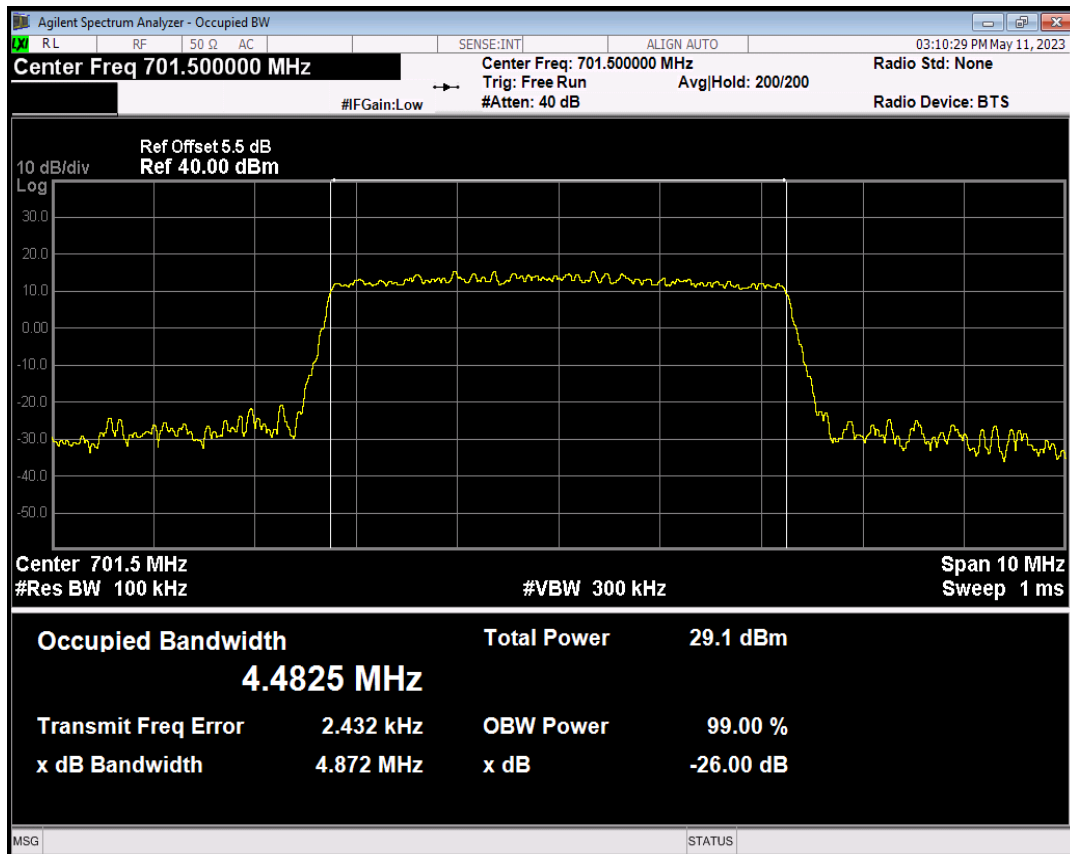
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



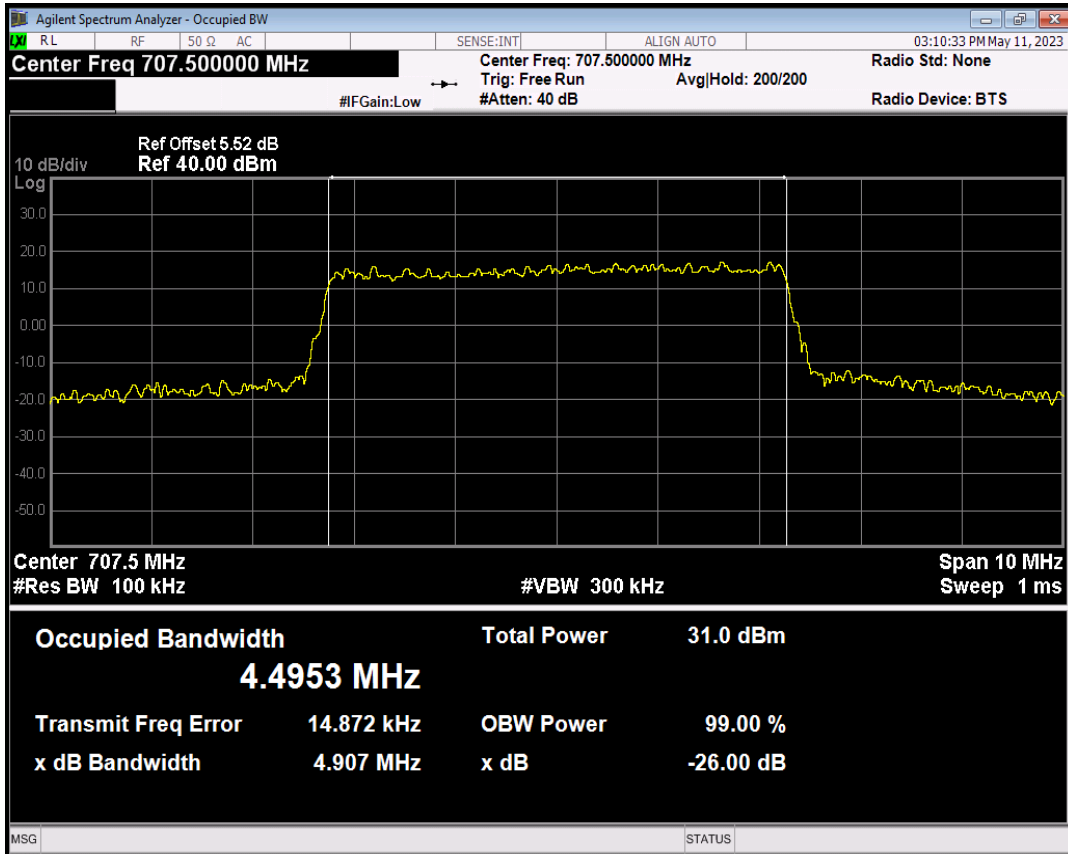
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



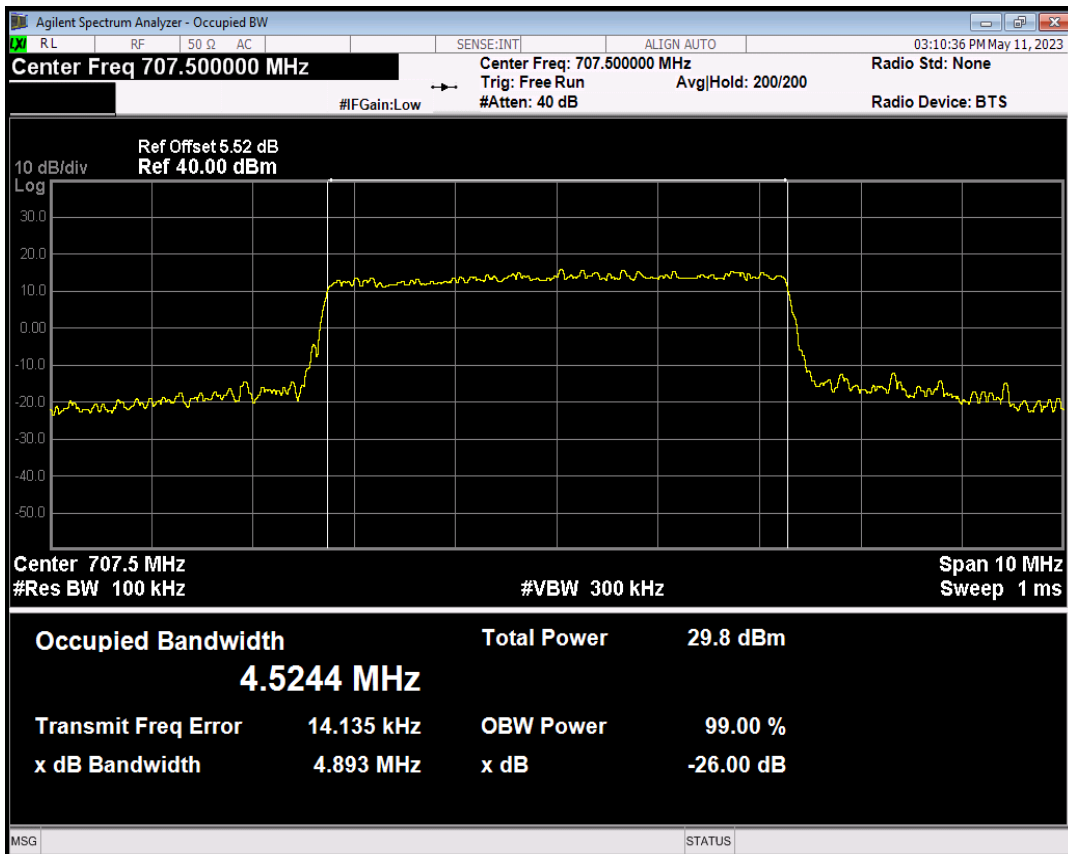
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



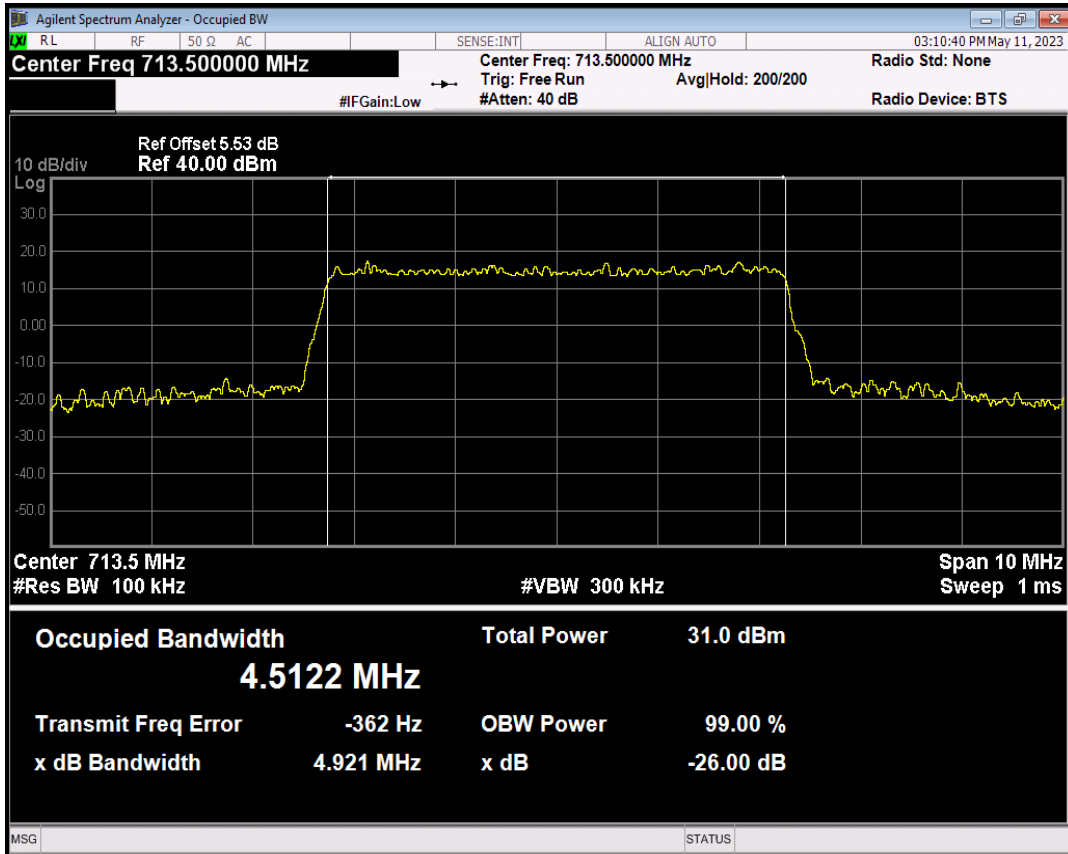
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



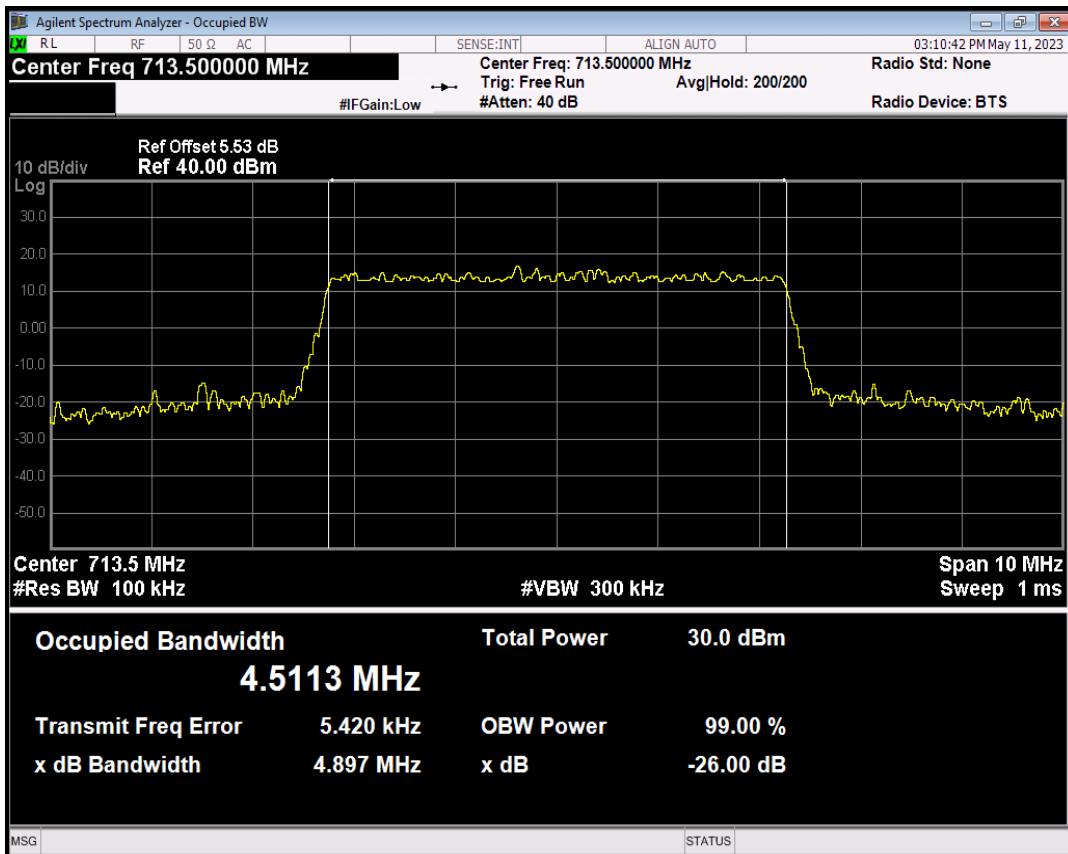
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



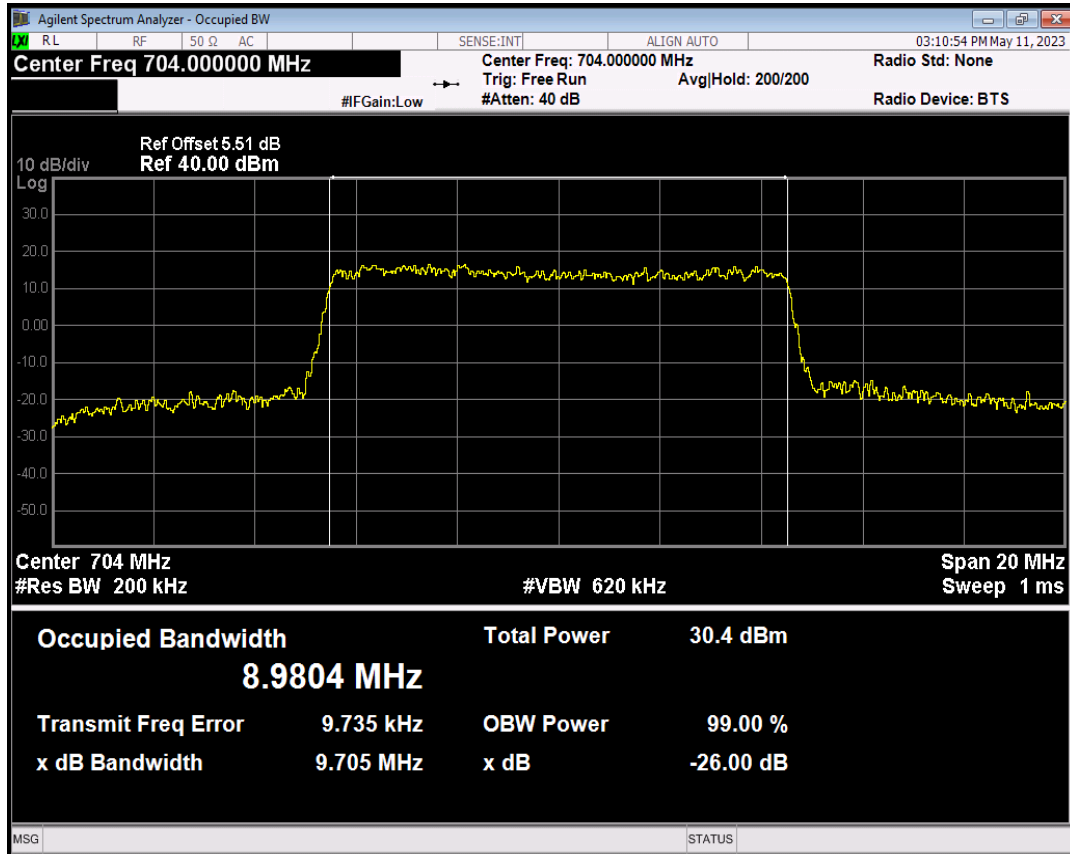
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



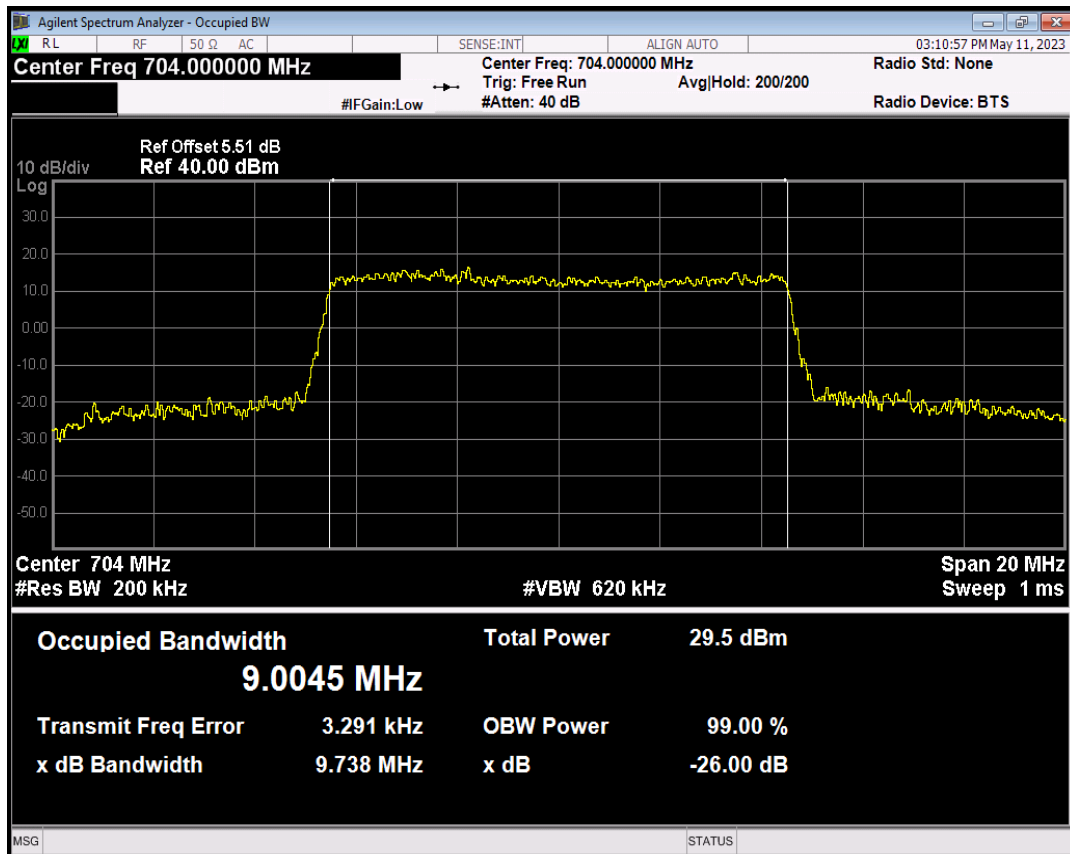
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



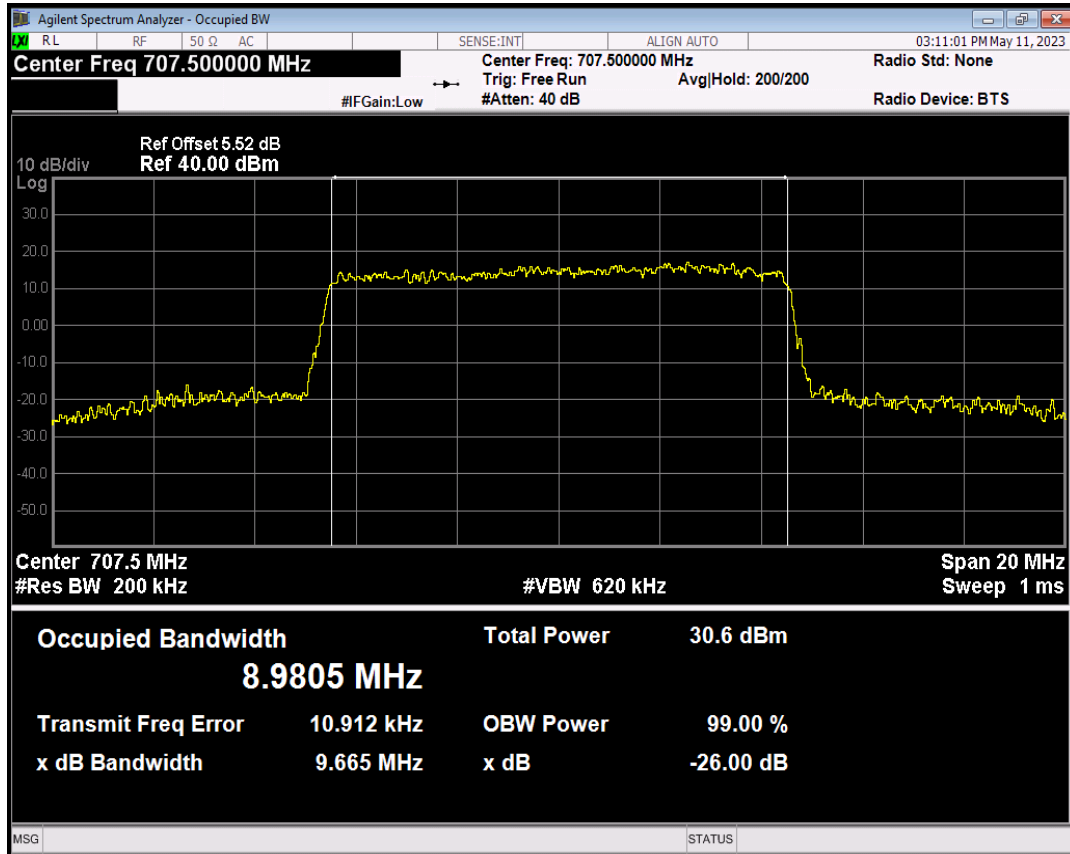
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



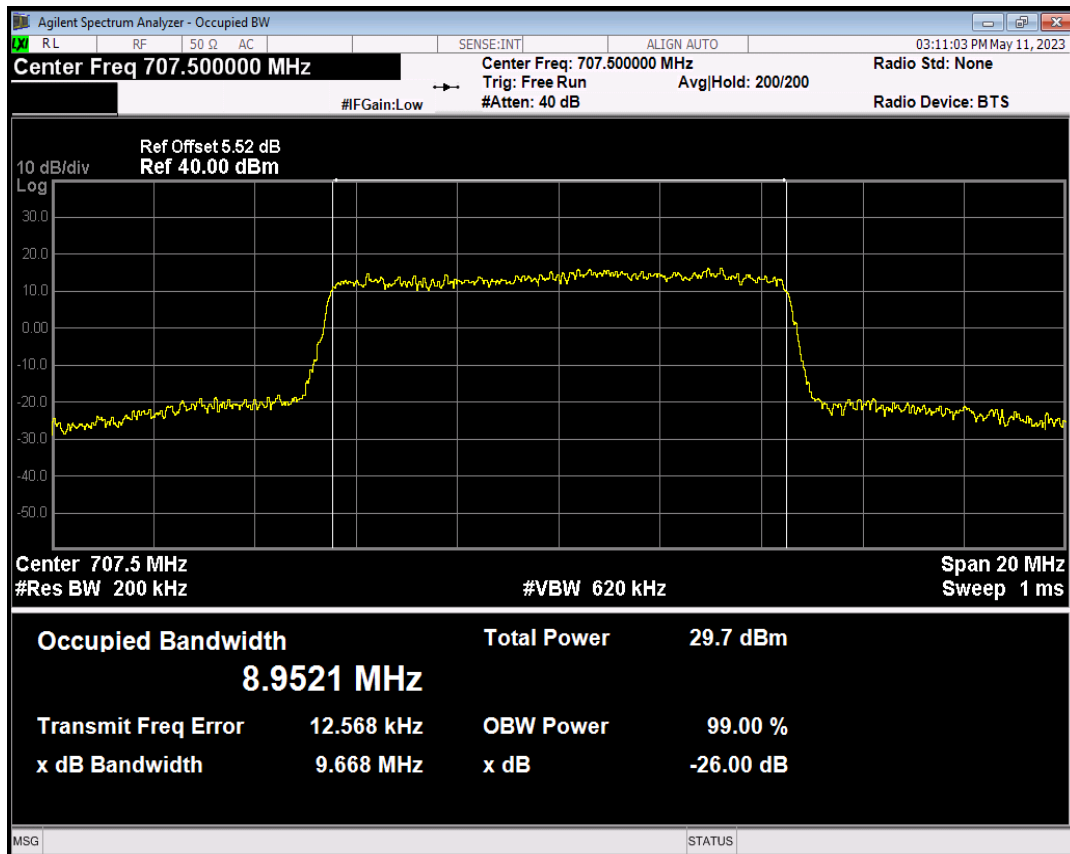
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



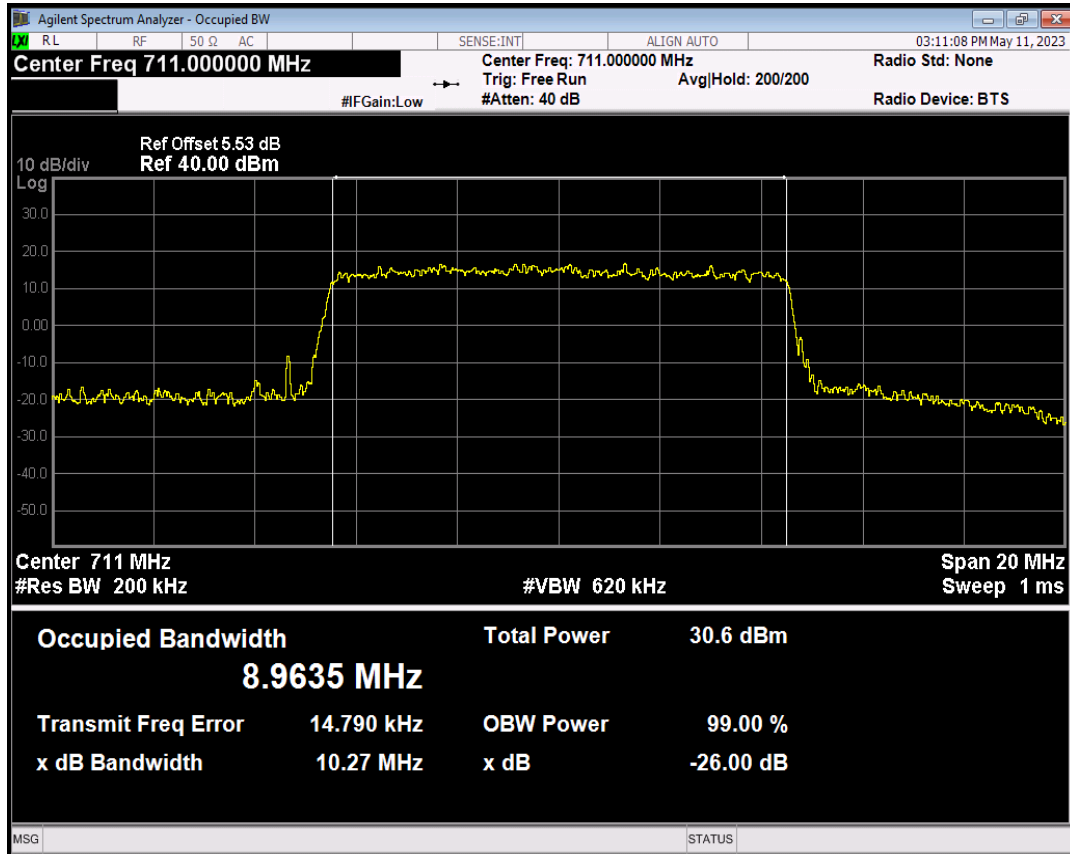
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



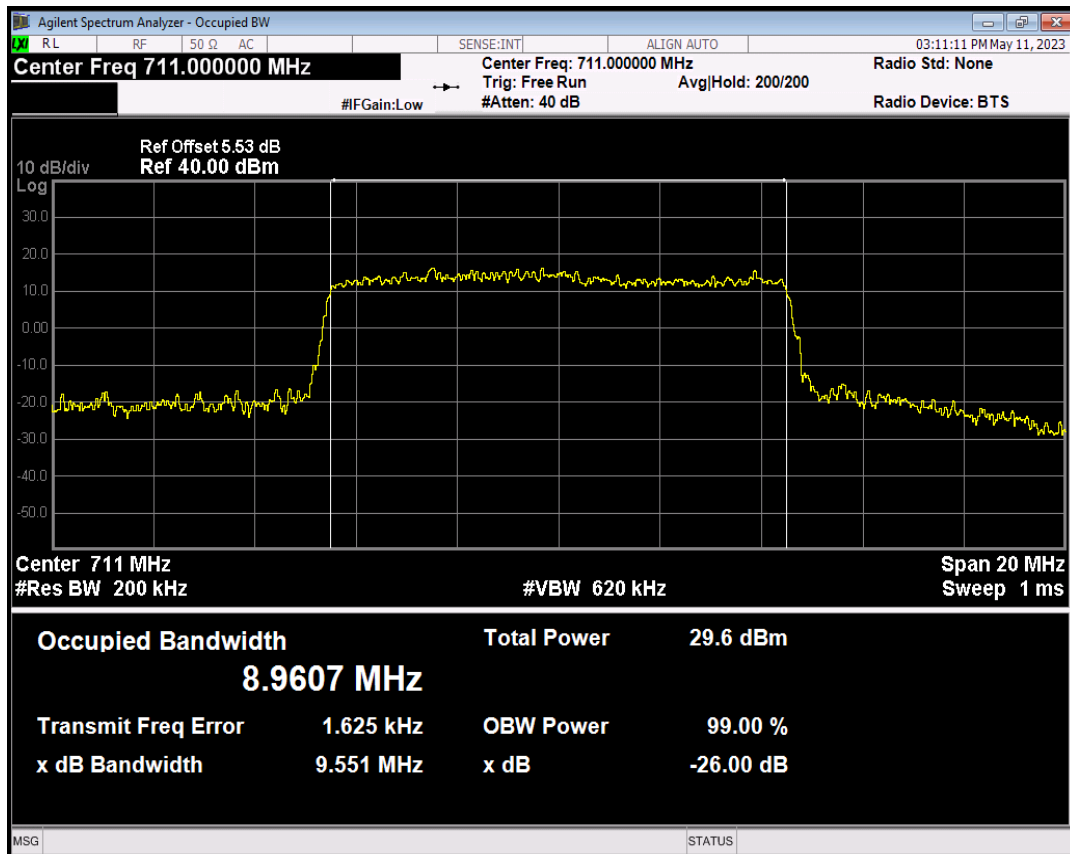
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



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



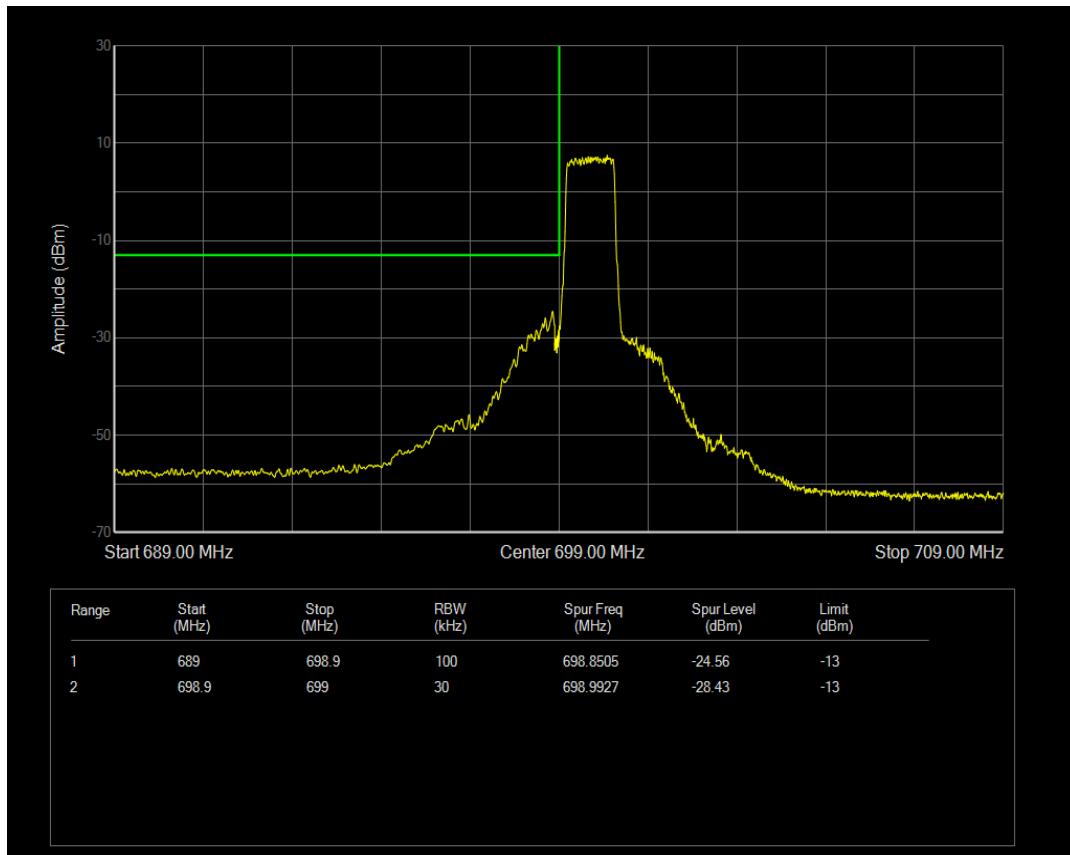
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



Appendix 5. Band edge

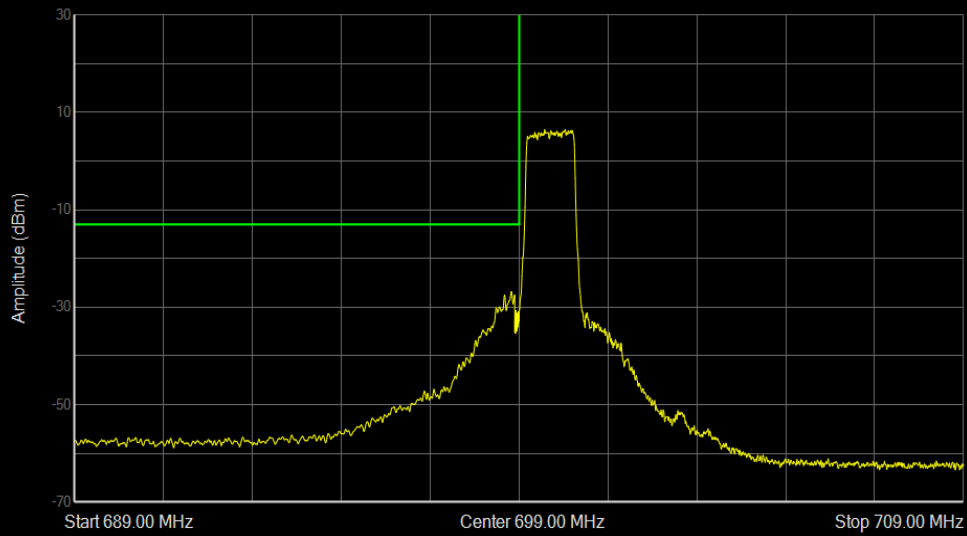
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	698.85	-24.56	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.82	-26.77	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.24	-17.18	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.14	-20.65	-13	PASS
Band12	3	23025	15	#0	QPSK	699.00	-30.00	-13	PASS
Band12	3	23025	15	#0	16QAM	699.00	-31.49	-13	PASS
Band12	3	23165	15	#0	QPSK	716.11	-23.64	-13	PASS
Band12	3	23165	15	#0	16QAM	716.21	-25.41	-13	PASS
Band12	5	23035	25	#0	QPSK	698.87	-36.84	-13	PASS
Band12	5	23035	25	#0	16QAM	698.58	-36.87	-13	PASS
Band12	5	23155	25	#0	QPSK	716.76	-26.60	-13	PASS
Band12	5	23155	25	#0	16QAM	716.20	-28.20	-13	PASS
Band12	10	23060	50	#0	QPSK	698.89	-30.90	-13	PASS
Band12	10	23060	50	#0	16QAM	698.65	-33.88	-13	PASS
Band12	10	23130	50	#0	QPSK	716.46	-29.25	-13	PASS
Band12	10	23130	50	#0	16QAM	716.14	-31.61	-13	PASS

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



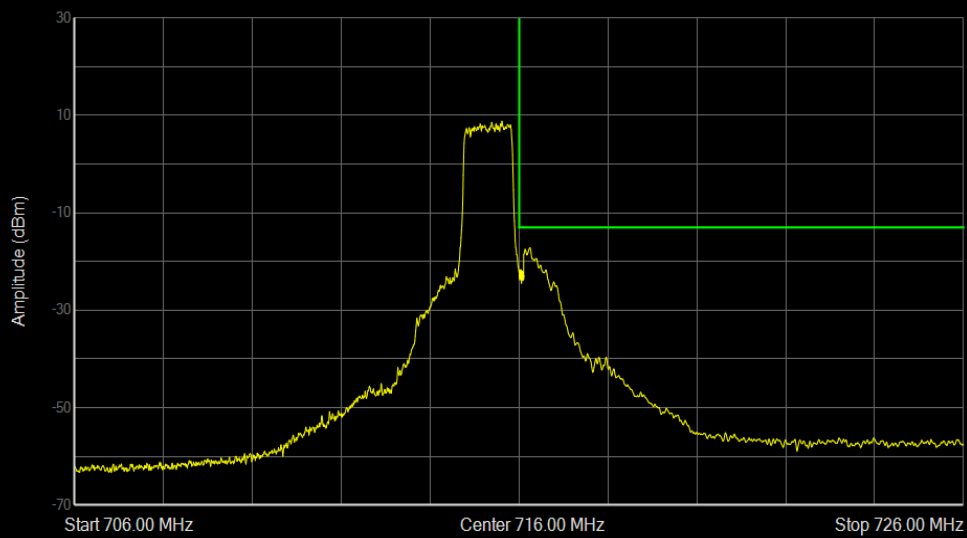


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.8208	-26.77	-13
2	698.9	699	30	698.9233	-30.73	-13

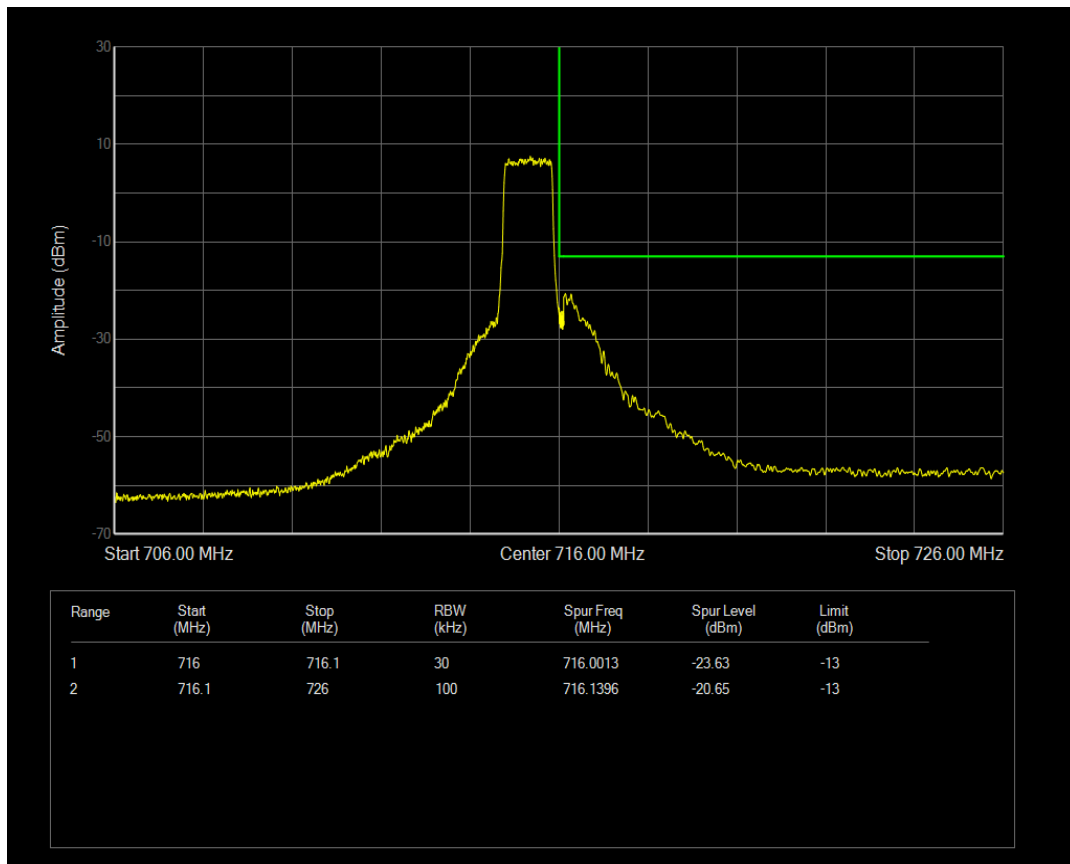
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



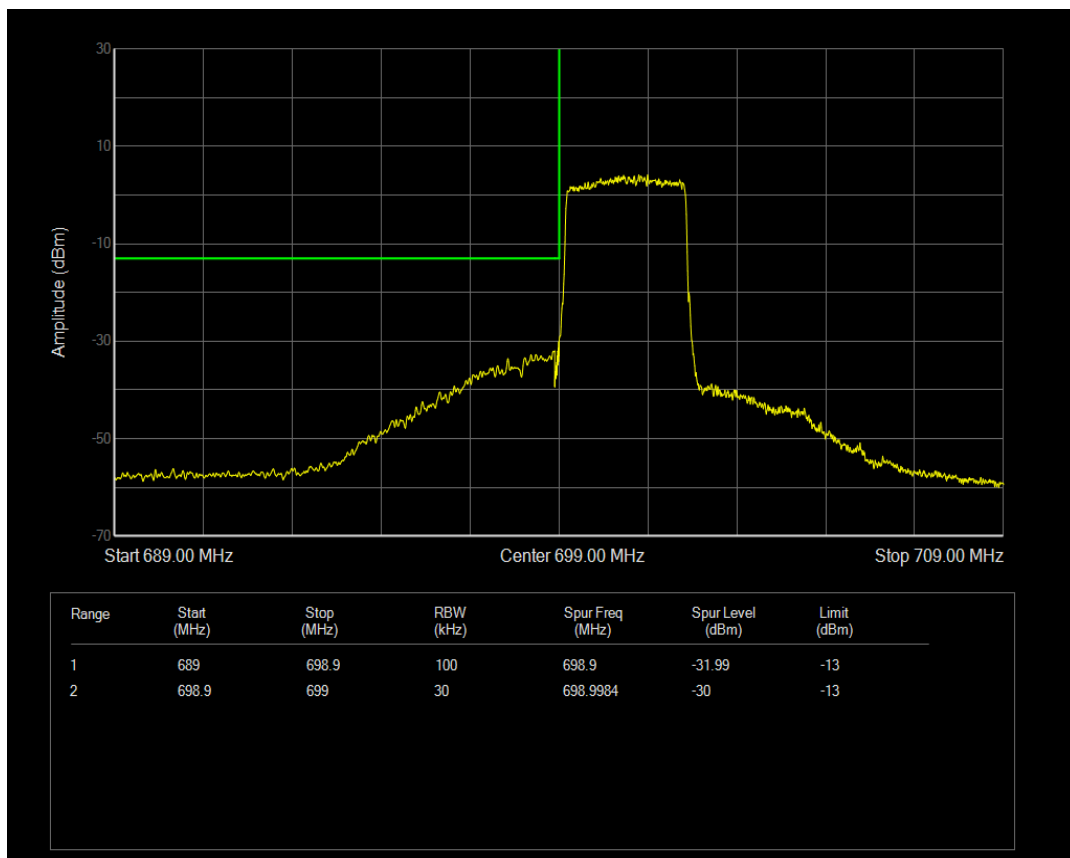
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0349	-21.7	-13
2	716.1	726	100	716.2386	-17.18	-13



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

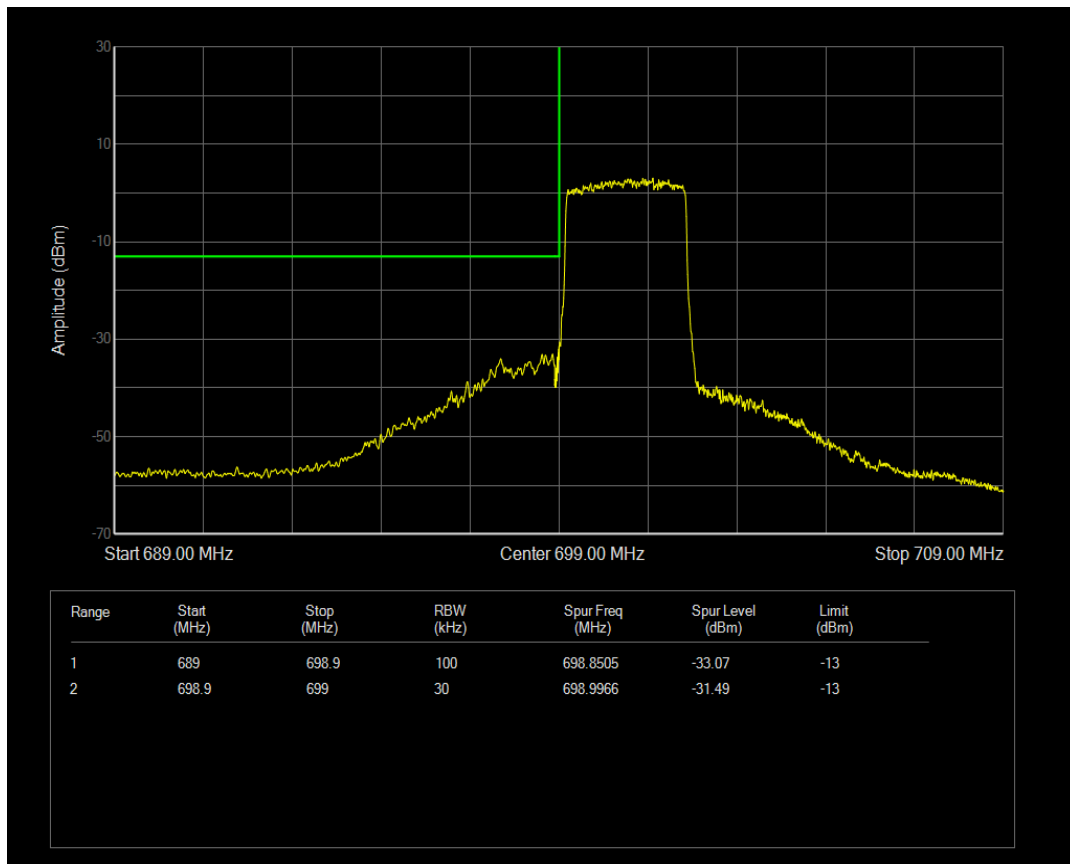


Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0

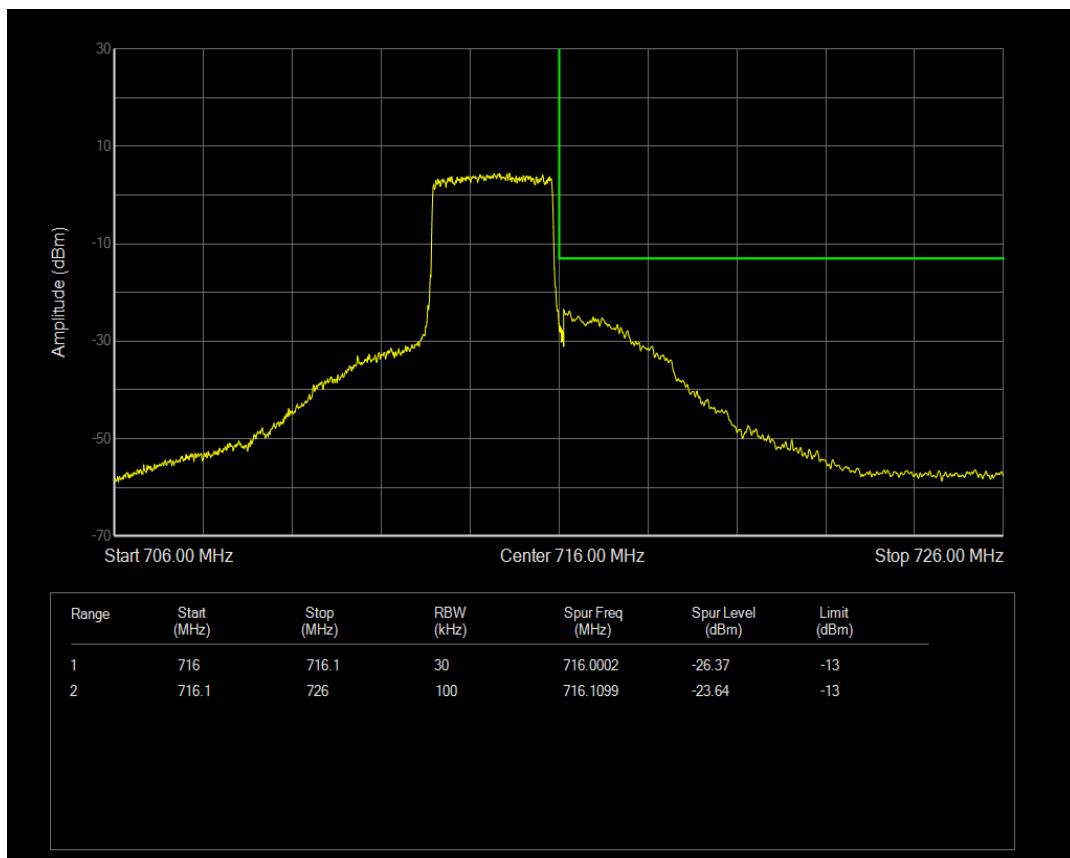




Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0

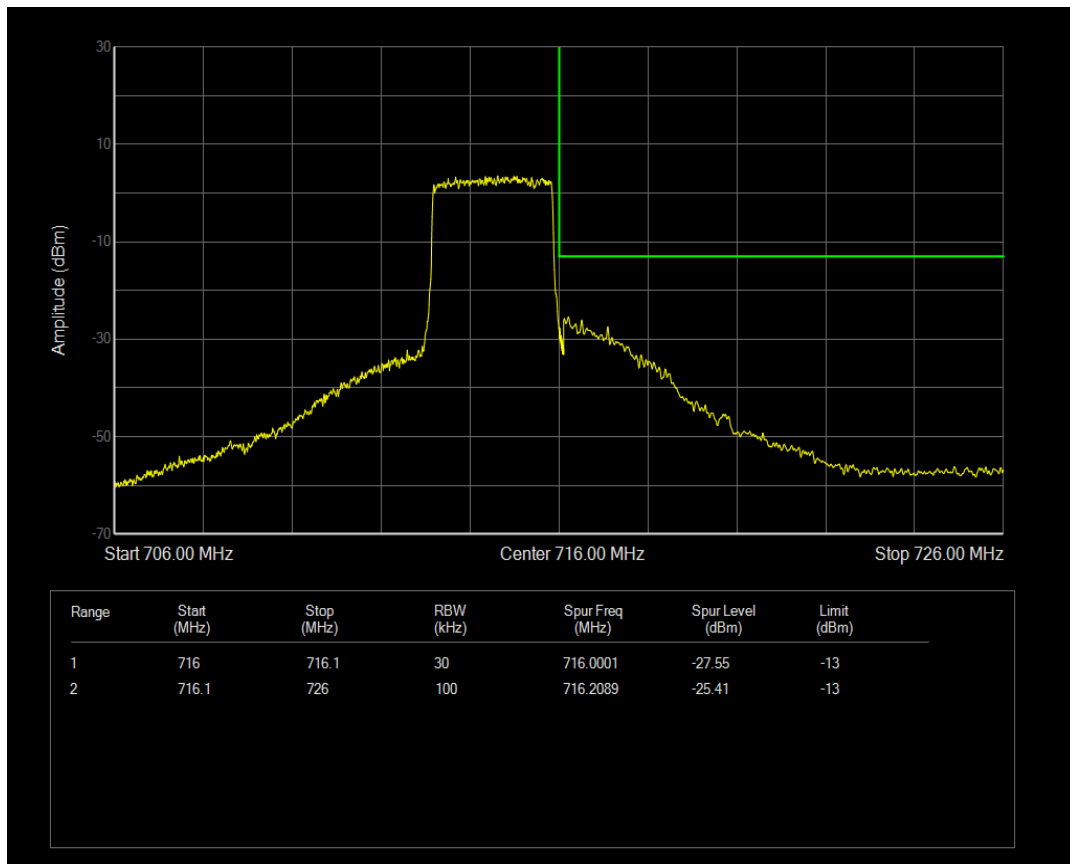


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0

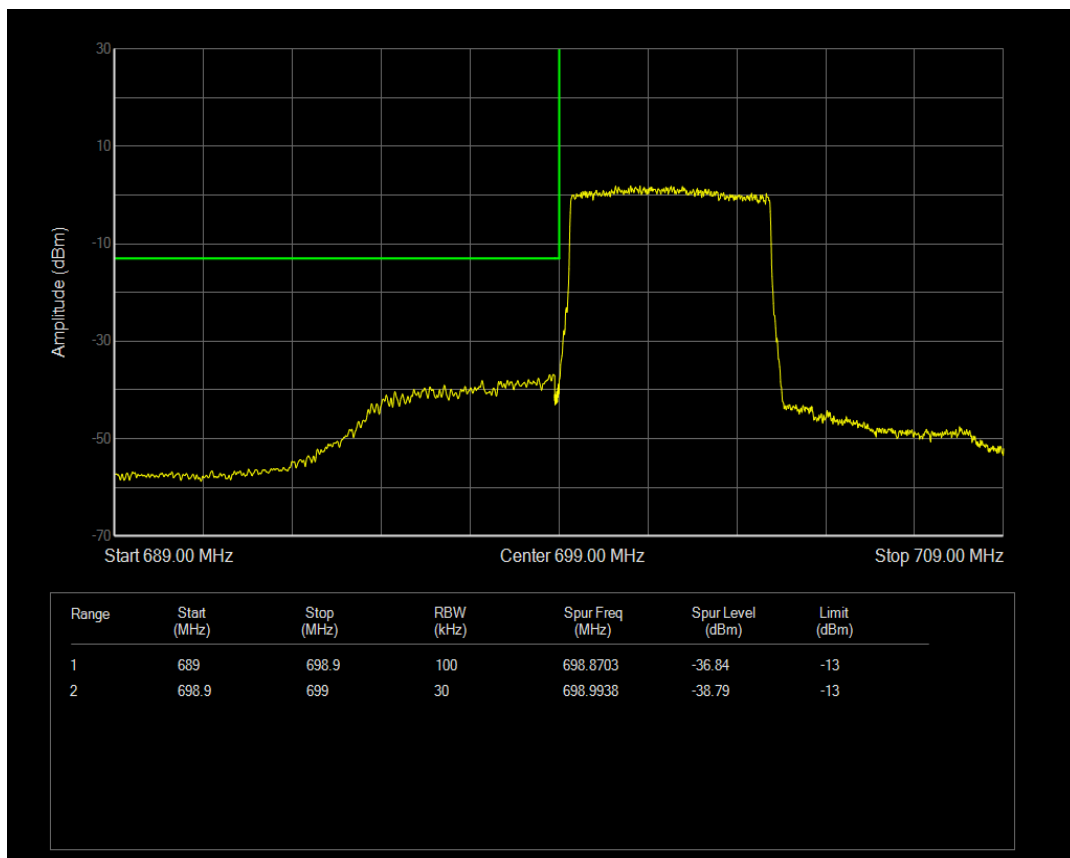




Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0

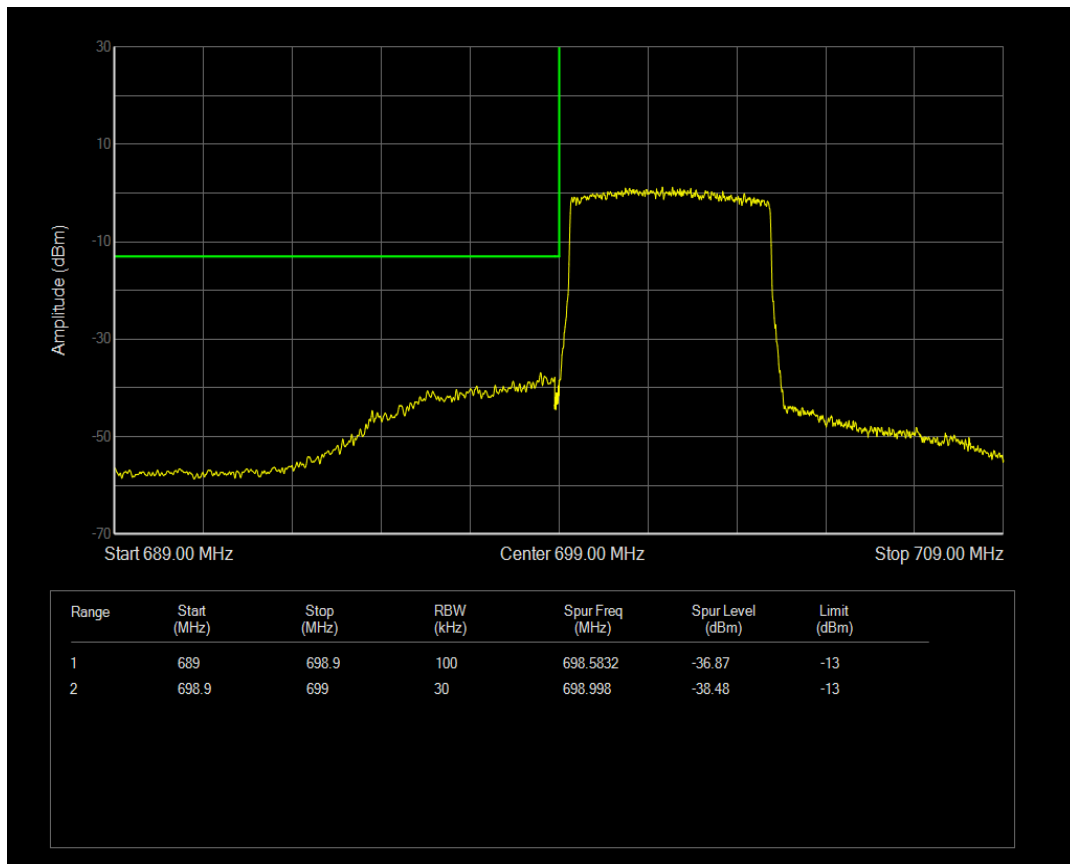


Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0

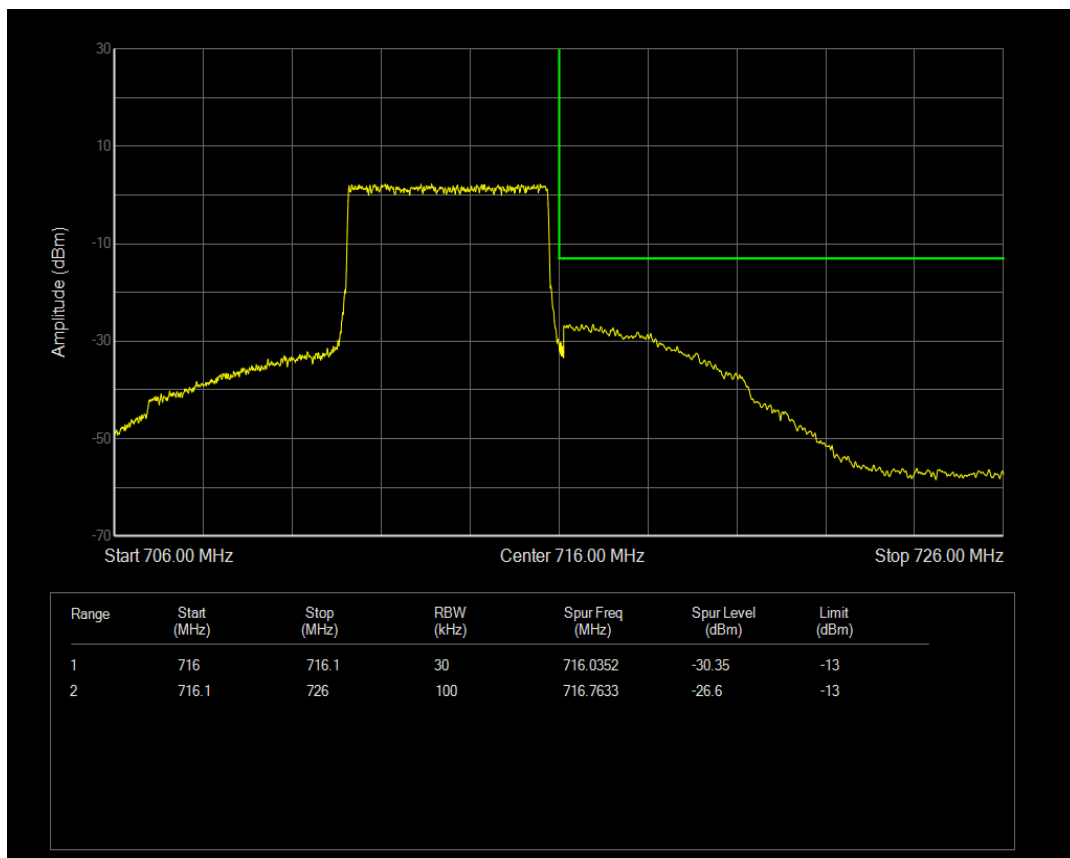




Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0

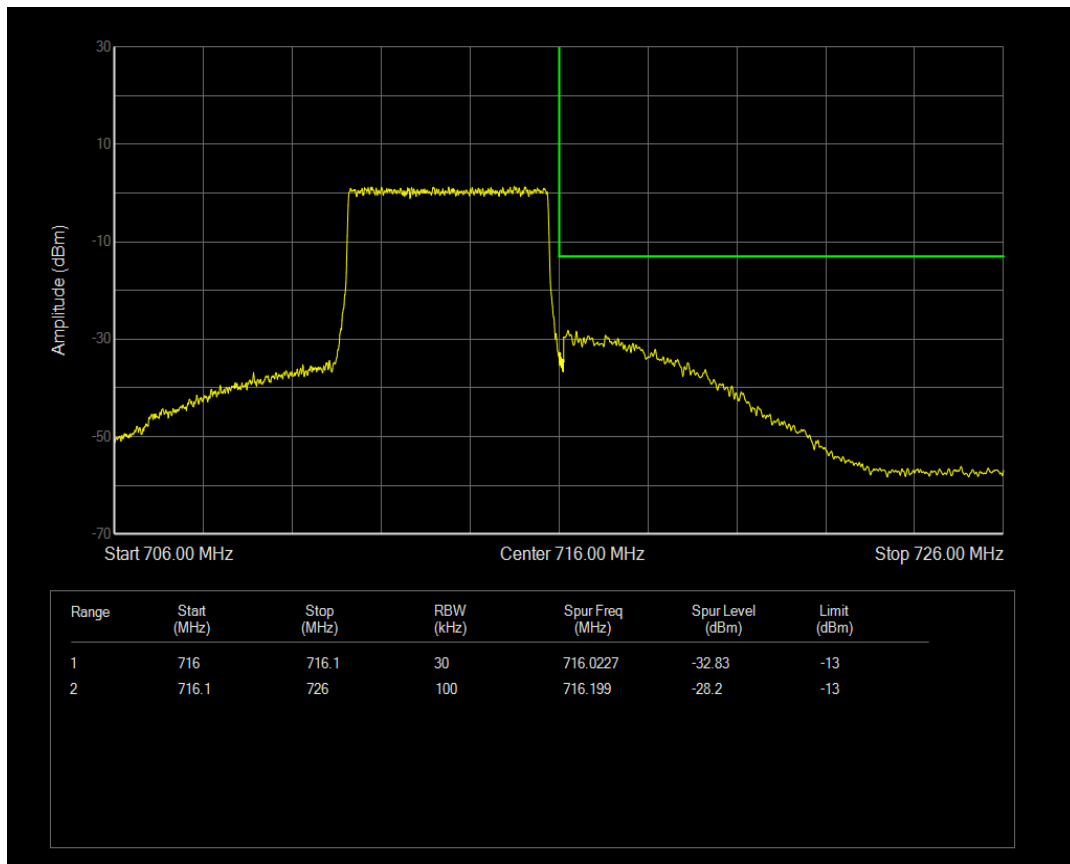


Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0

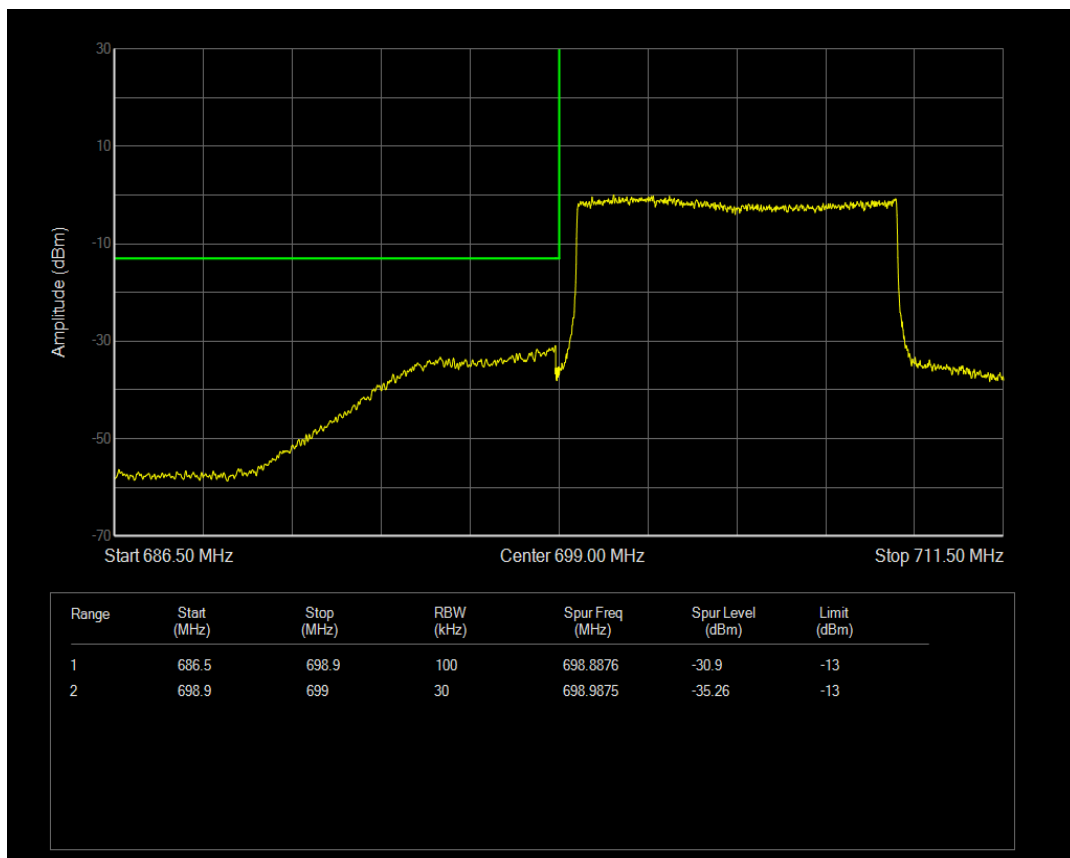




Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0

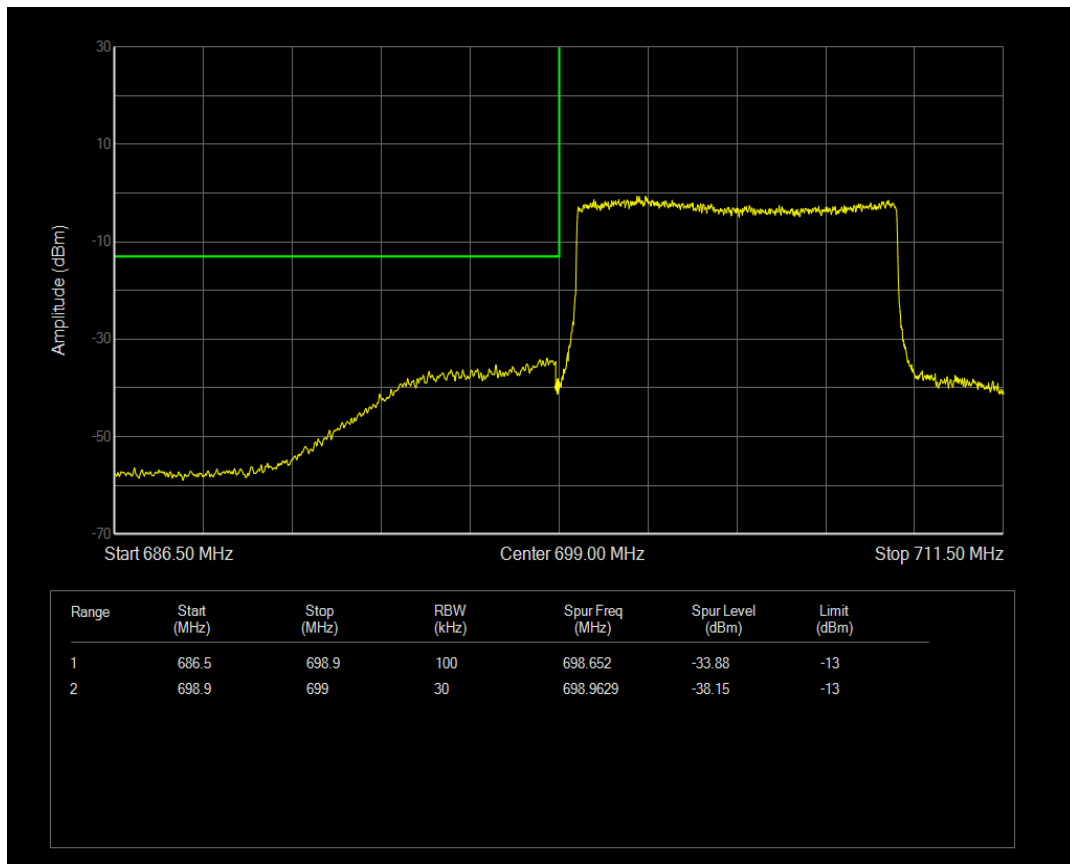


Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0

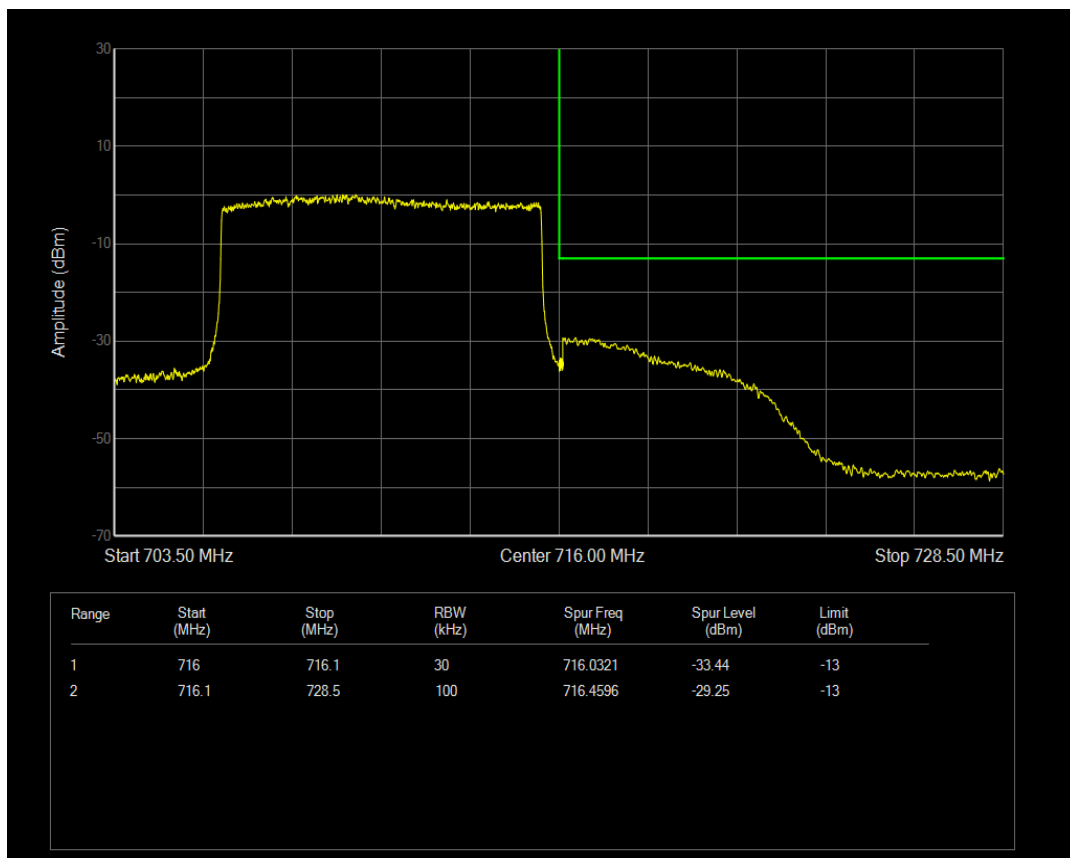




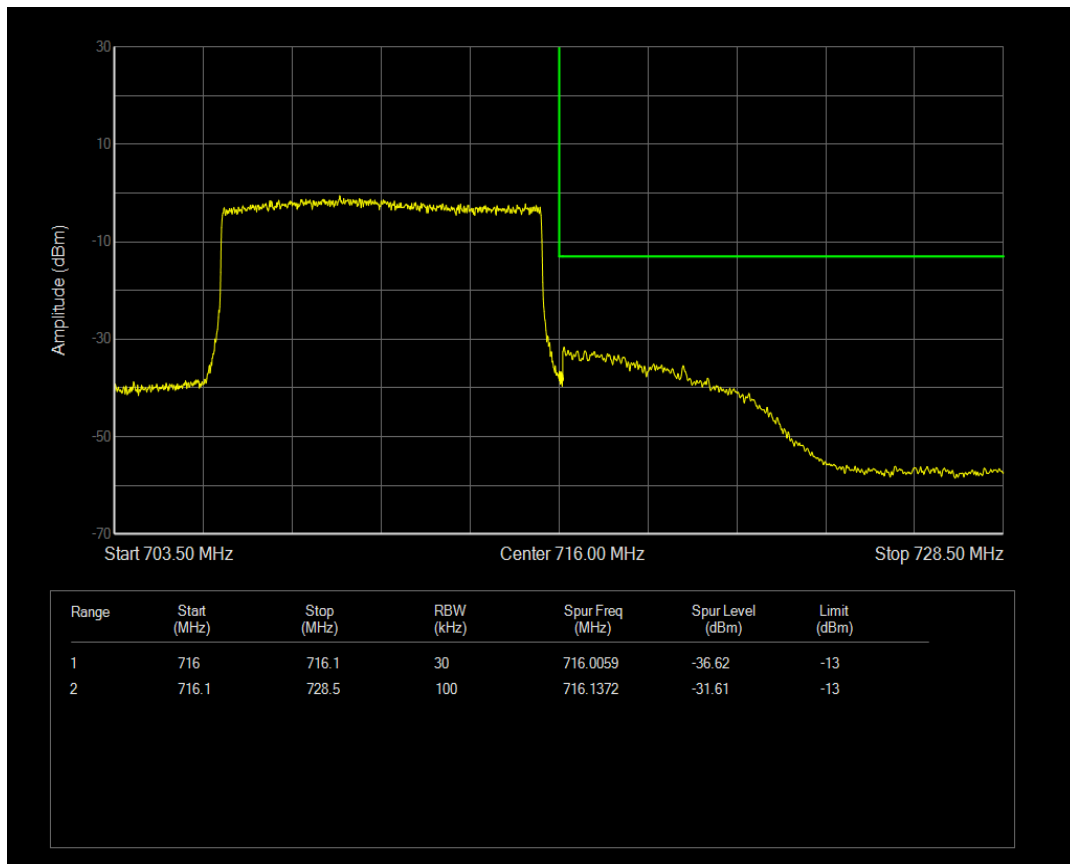
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



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



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

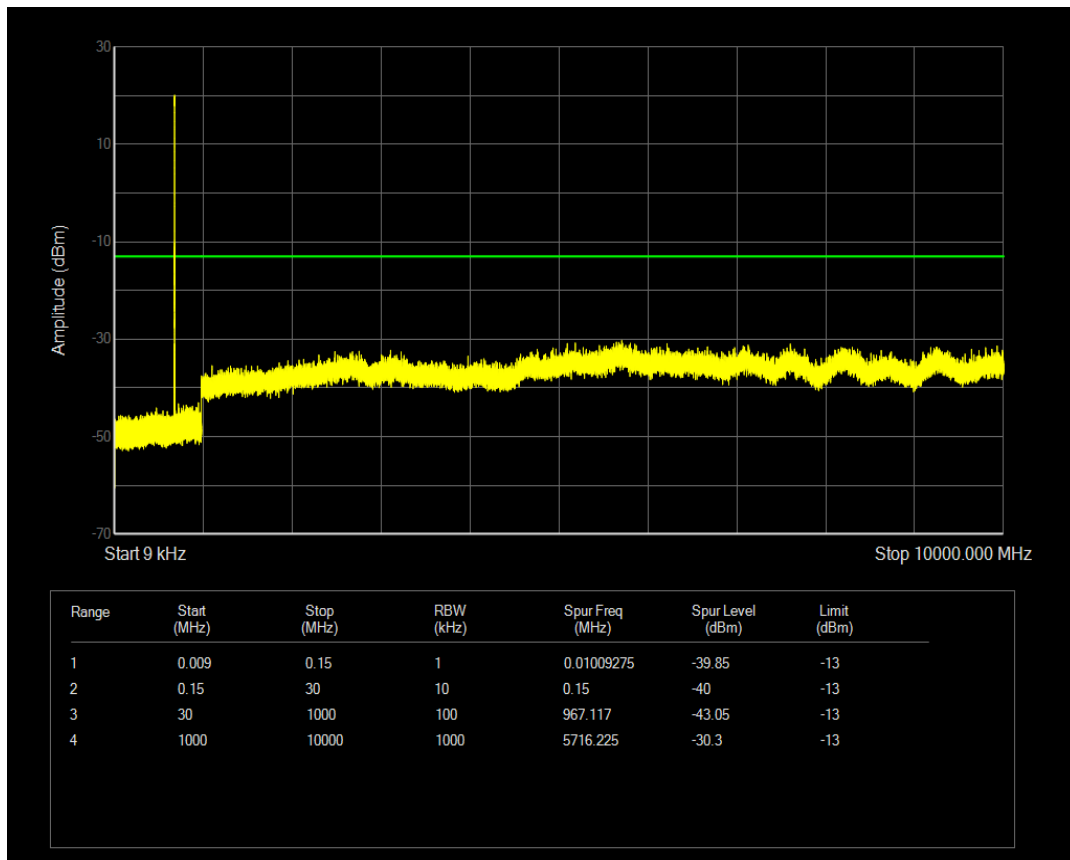


Appendix 6. Out-of-band emissions

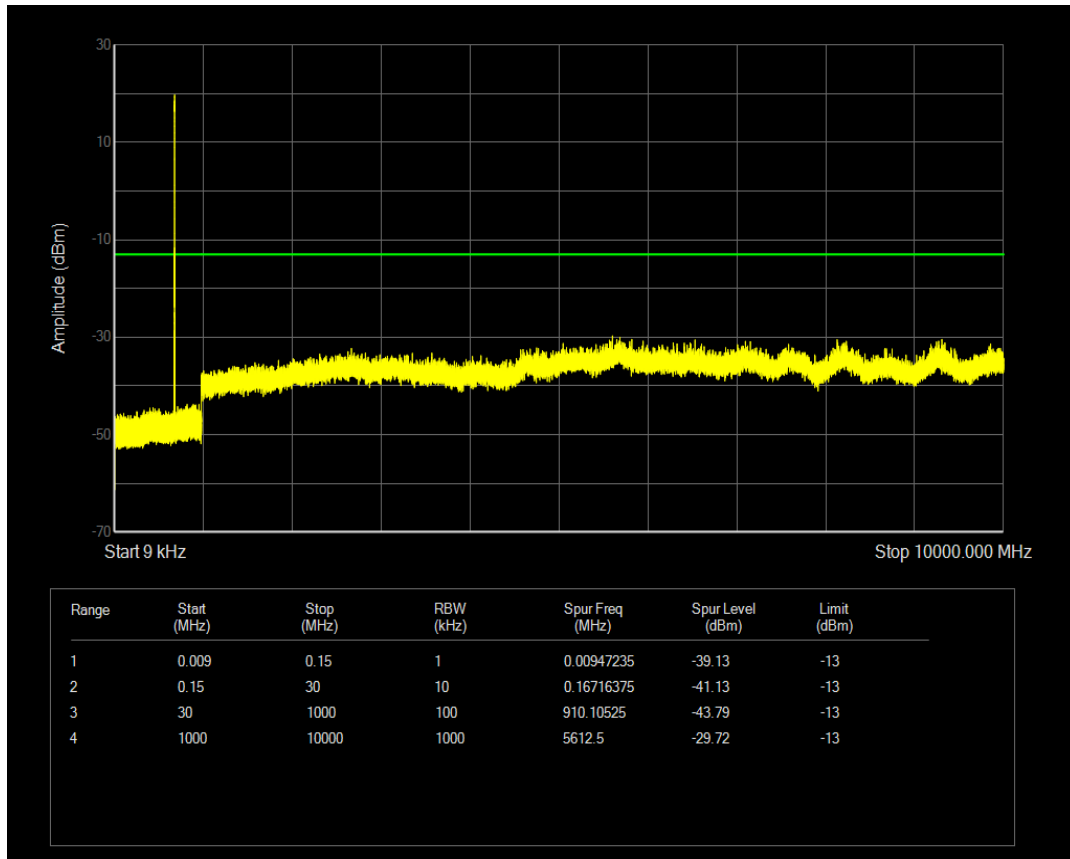
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	5716.23	-30.30	-13	PASS
Band12	1.4	23017	6	#0	16QAM	5612.50	-29.72	-13	PASS
Band12	1.4	23095	6	#0	QPSK	5719.38	-29.93	-13	PASS
Band12	1.4	23095	6	#0	16QAM	7610.50	-30.14	-13	PASS
Band12	1.4	23173	6	#0	QPSK	5739.40	-29.23	-13	PASS
Band12	1.4	23173	6	#0	16QAM	5694.40	-29.73	-13	PASS
Band12	3	23025	15	#0	QPSK	5701.15	-30.12	-13	PASS
Band12	3	23025	15	#0	16QAM	5696.43	-28.66	-13	PASS
Band12	3	23095	15	#0	QPSK	5667.18	-29.62	-13	PASS
Band12	3	23095	15	#0	16QAM	5738.73	-29.97	-13	PASS
Band12	3	23165	15	#0	QPSK	5688.10	-28.58	-13	PASS
Band12	3	23165	15	#0	16QAM	5713.98	-30.29	-13	PASS
Band12	5	23035	25	#0	QPSK	5742.33	-30.04	-13	PASS
Band12	5	23035	25	#0	16QAM	5682.93	-29.76	-13	PASS
Band12	5	23095	25	#0	QPSK	9333.33	-30.18	-13	PASS
Band12	5	23095	25	#0	16QAM	5701.60	-29.95	-13	PASS

Band12	5	23155	25	#0	QPSK	5279.73	-30.17	-13	PASS
Band12	5	23155	25	#0	16QAM	5593.60	-29.93	-13	PASS
Band12	10	23060	50	#0	QPSK	5717.13	-29.98	-13	PASS
Band12	10	23060	50	#0	16QAM	5698.00	-30.28	-13	PASS
Band12	10	23095	50	#0	QPSK	5715.10	-29.30	-13	PASS
Band12	10	23095	50	#0	16QAM	6446.80	-29.72	-13	PASS
Band12	10	23130	50	#0	QPSK	5711.28	-30.50	-13	PASS
Band12	10	23130	50	#0	16QAM	5572.68	-29.92	-13	PASS

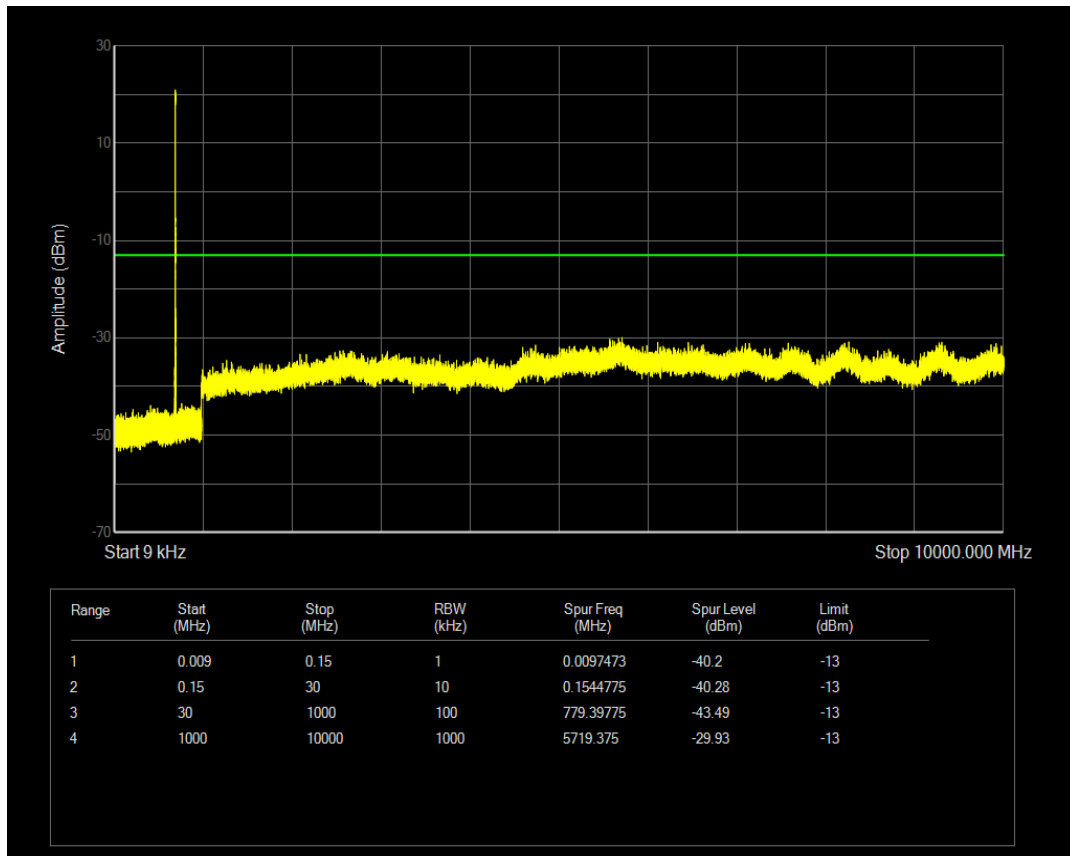
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



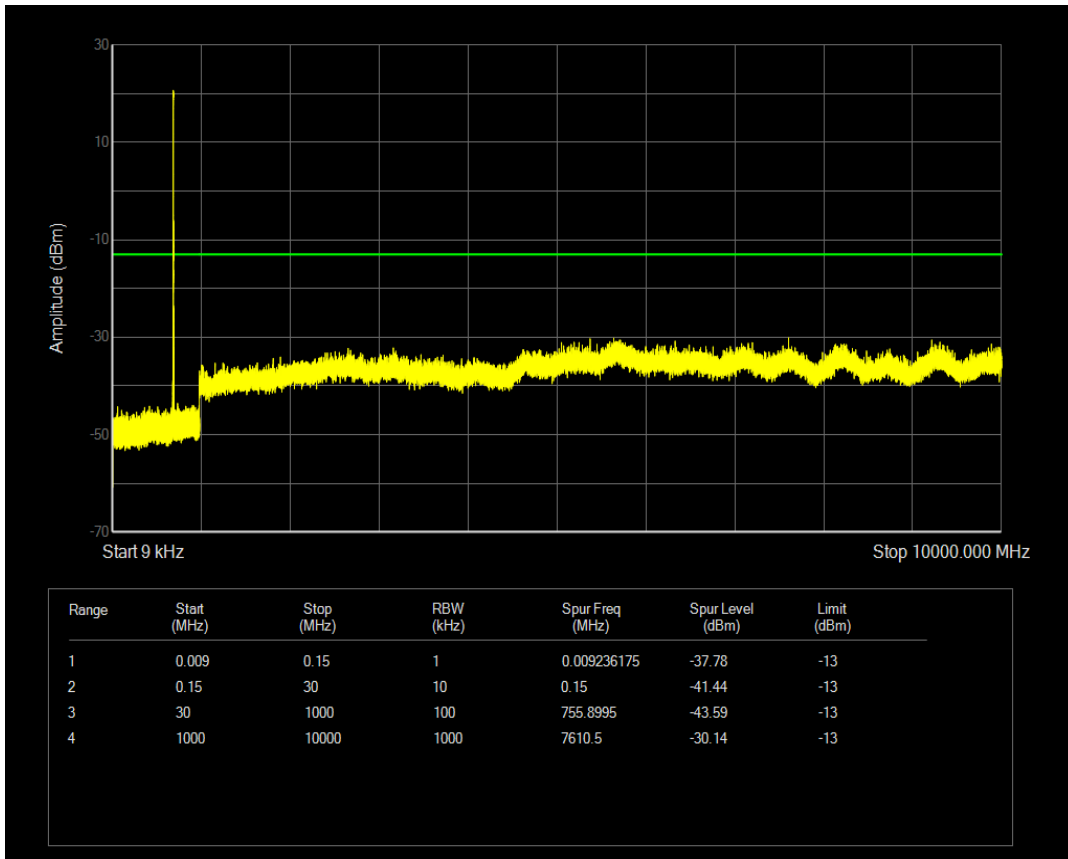
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



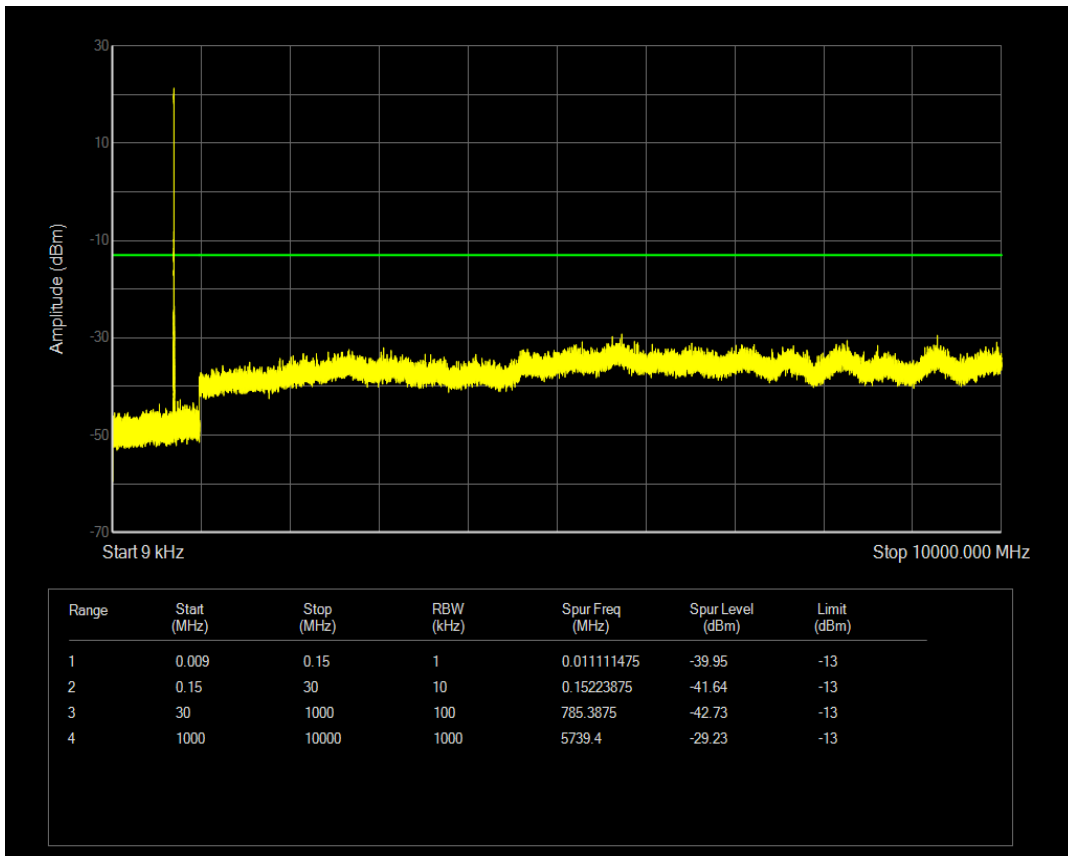
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



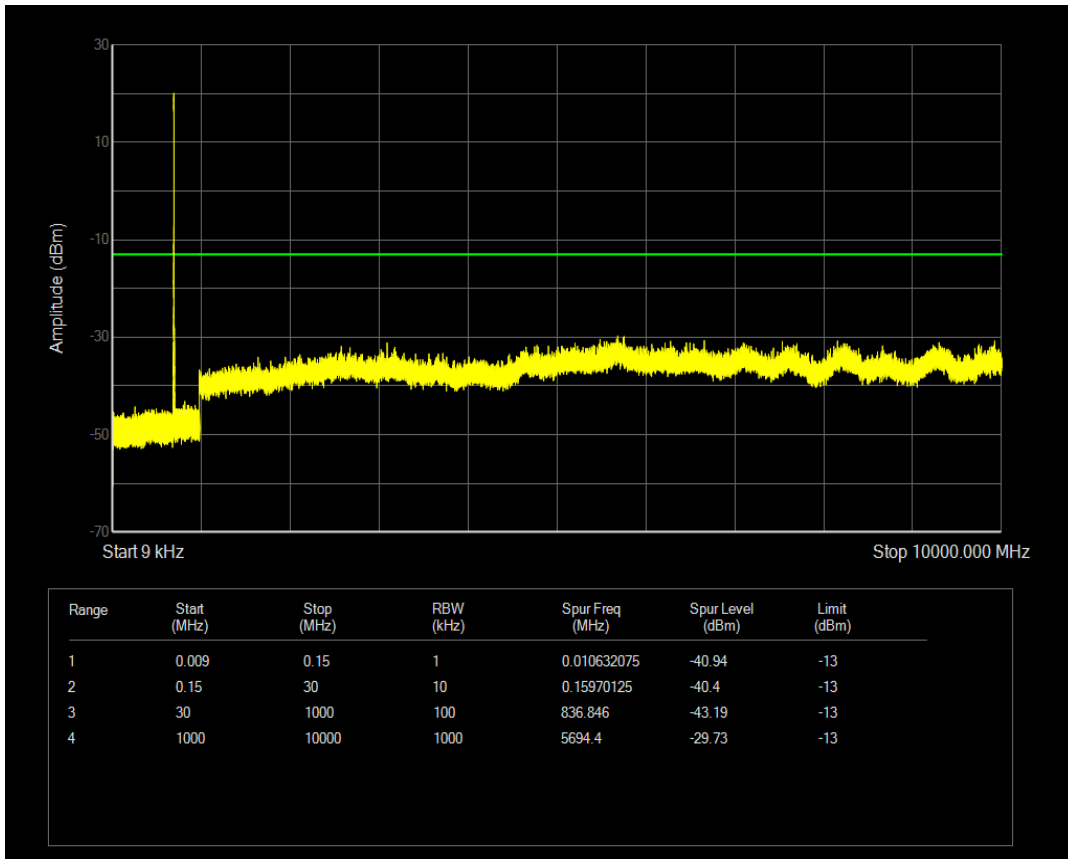
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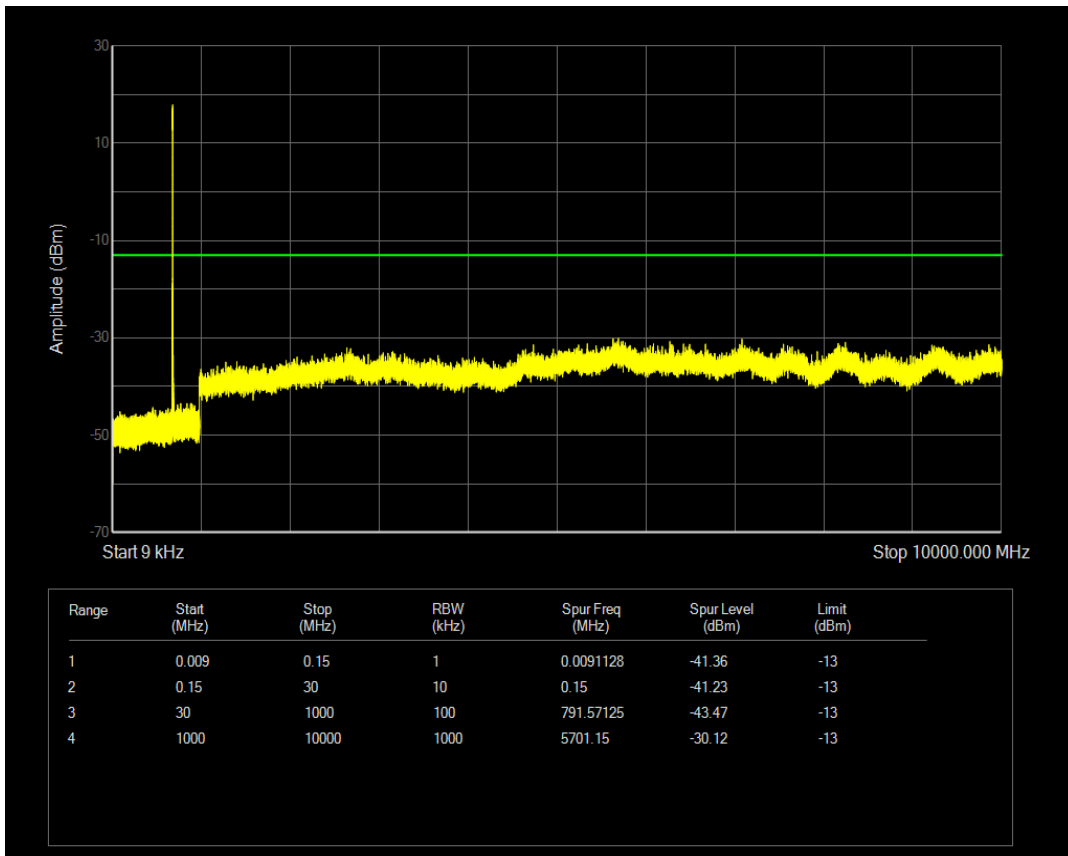
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



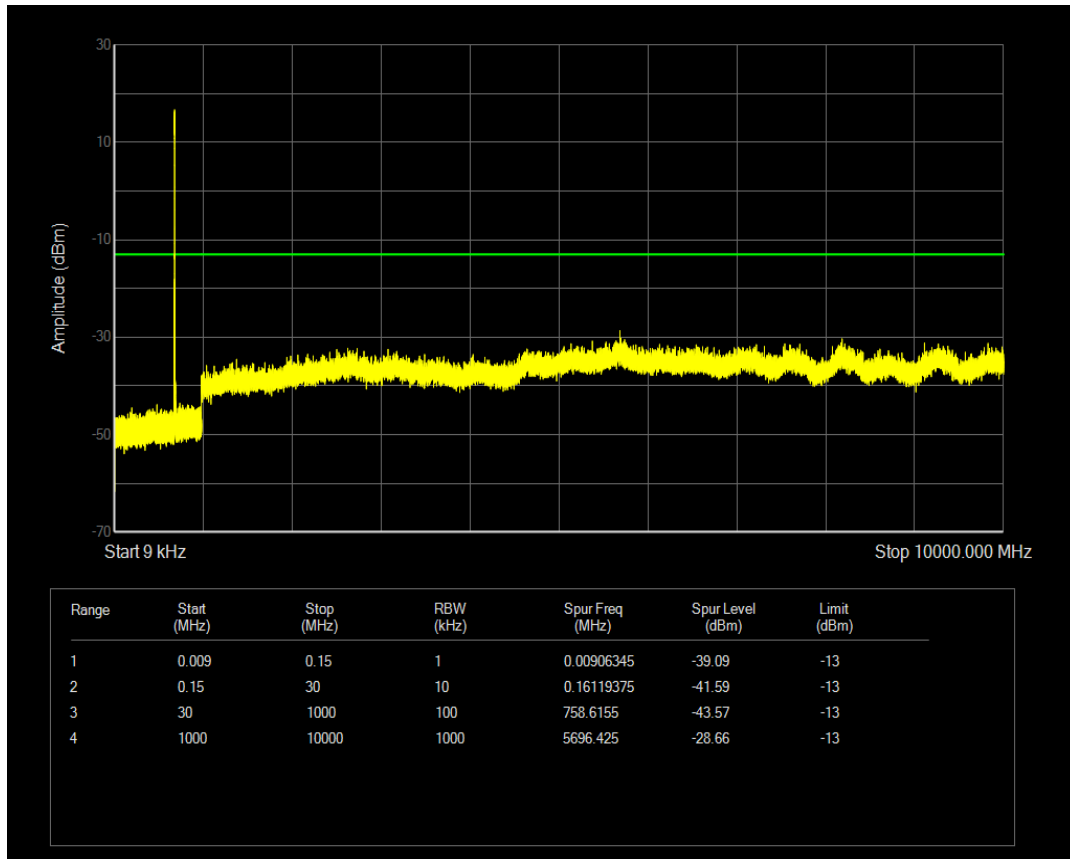
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



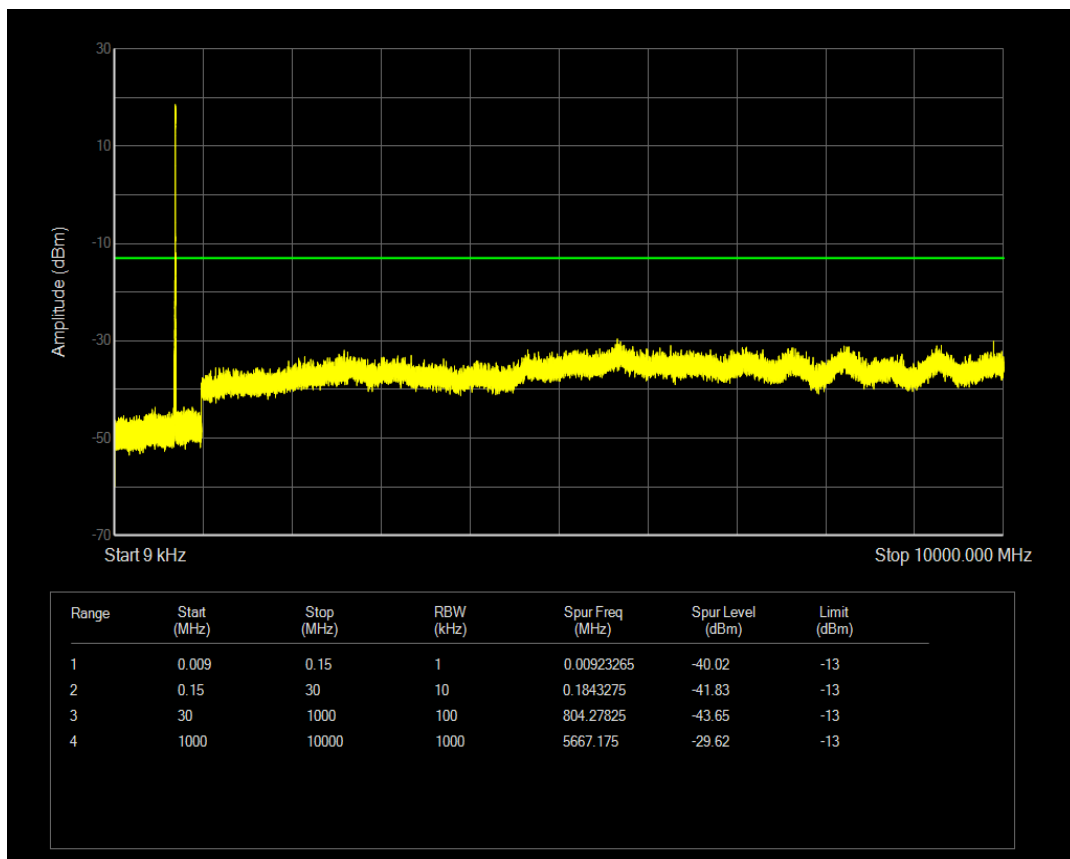
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



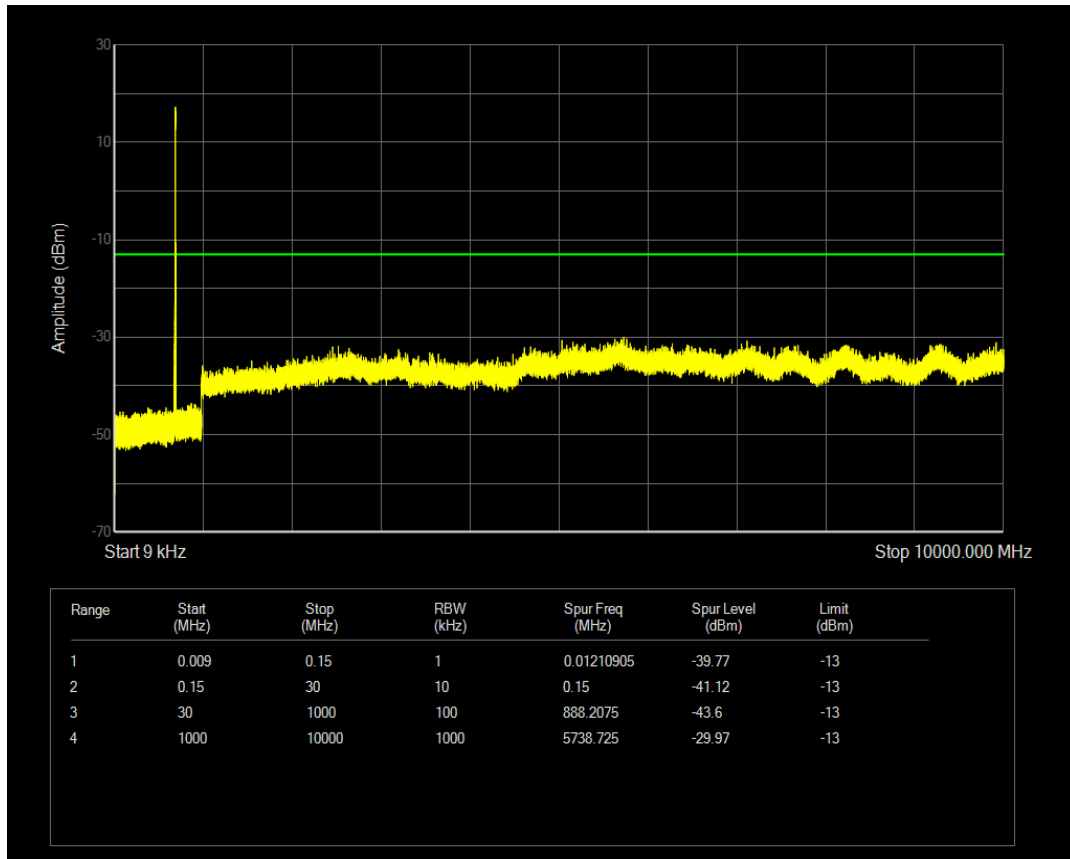
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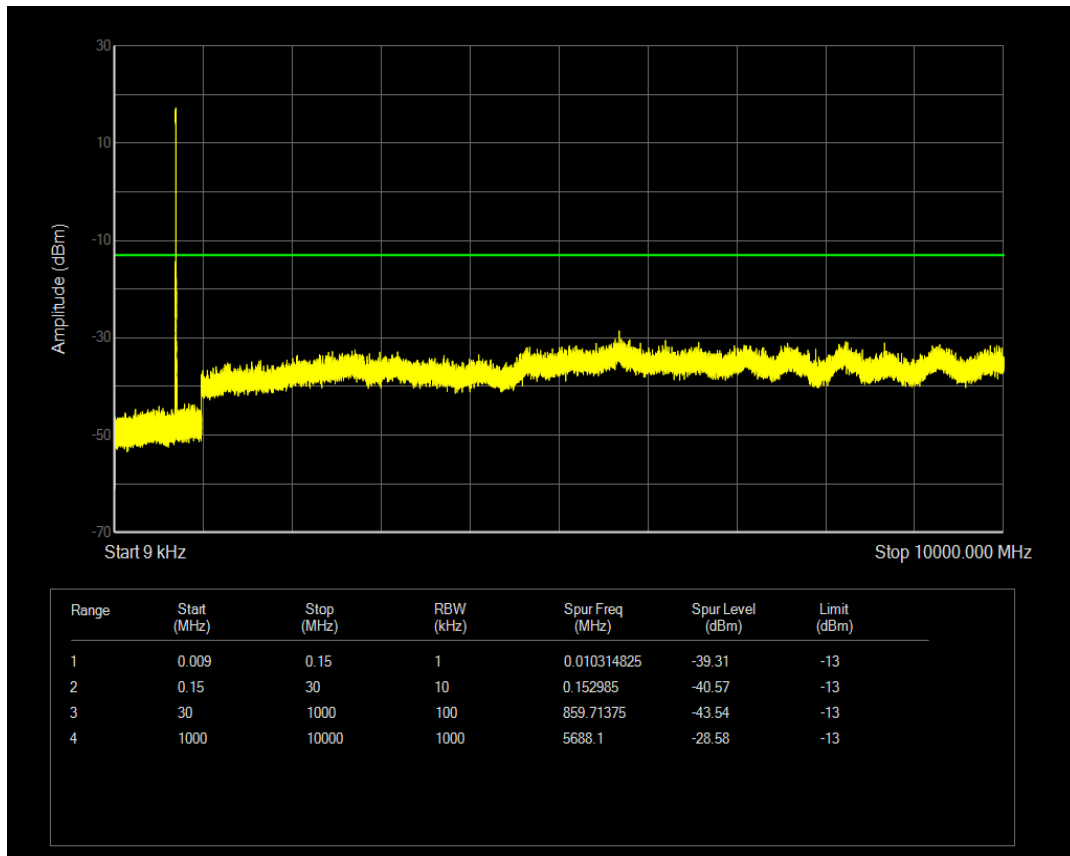
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



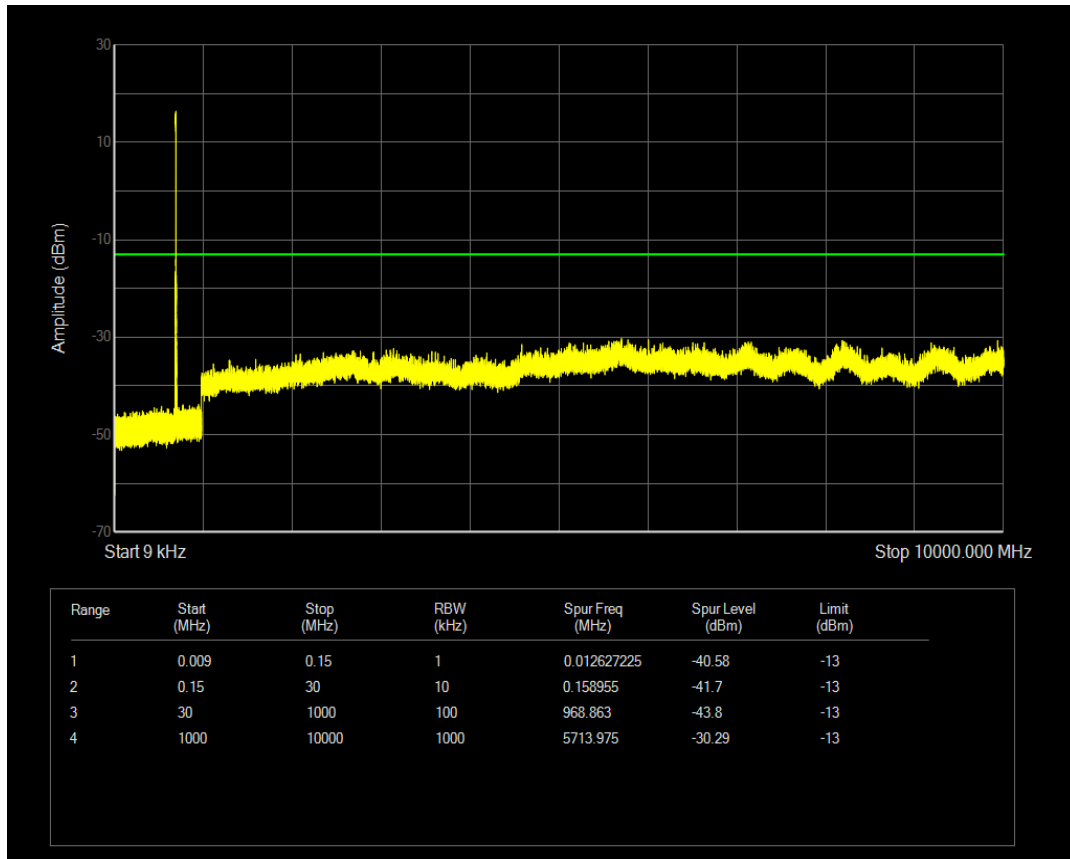
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



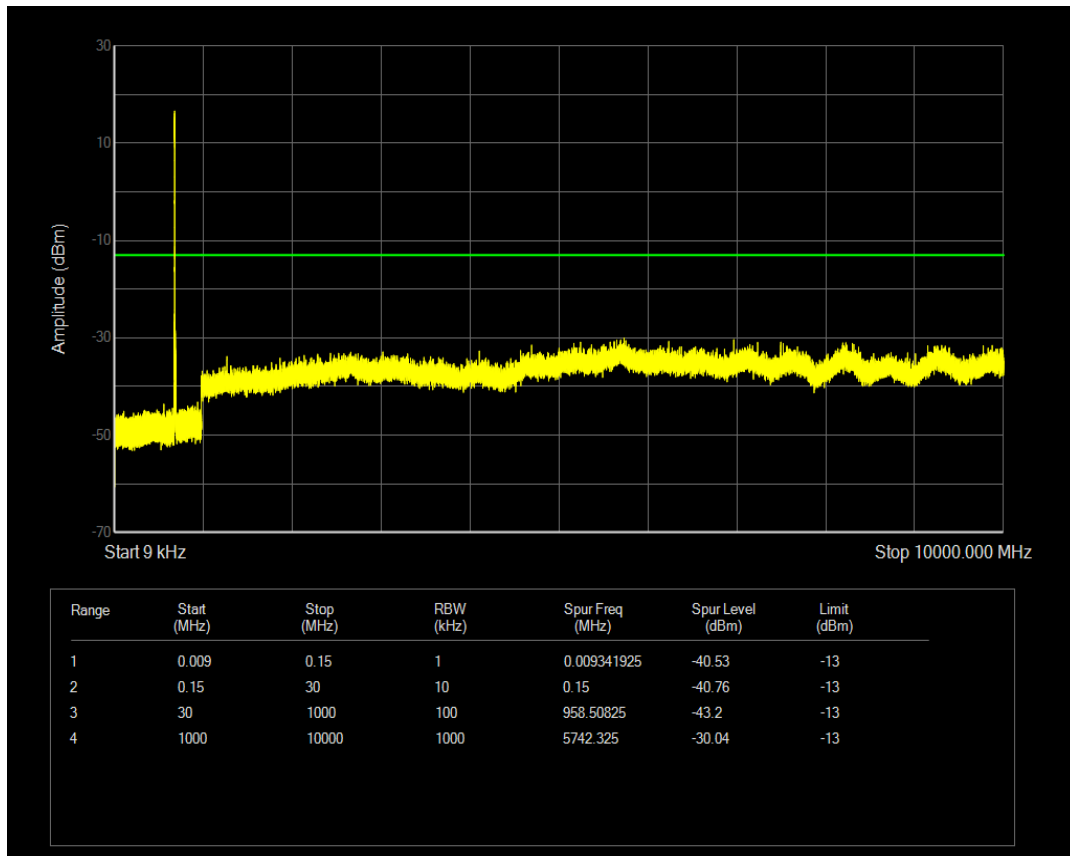
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



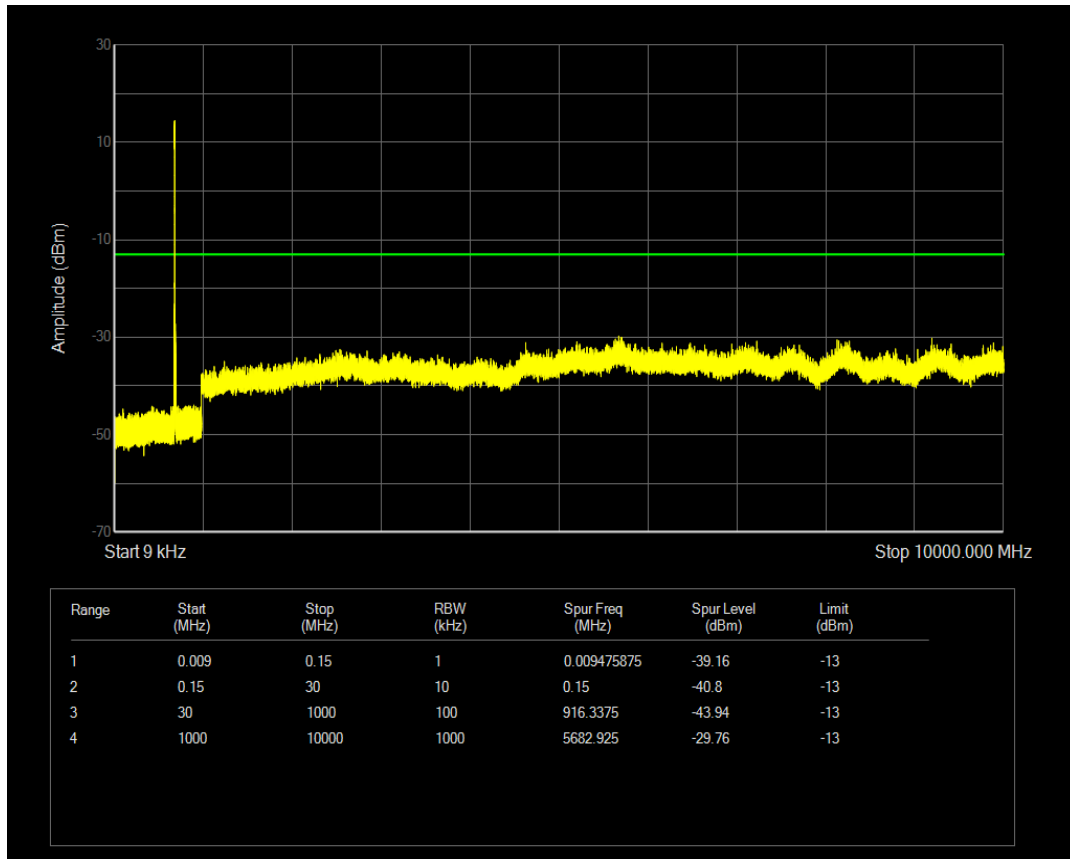
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



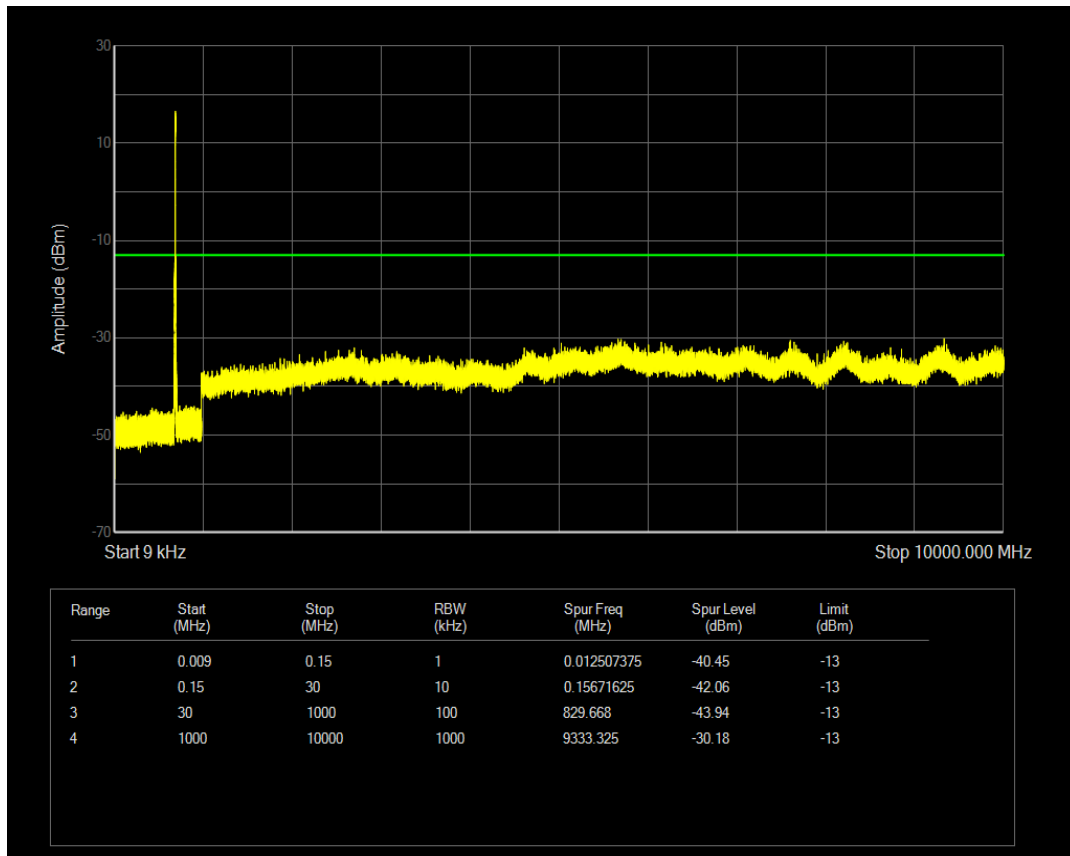
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



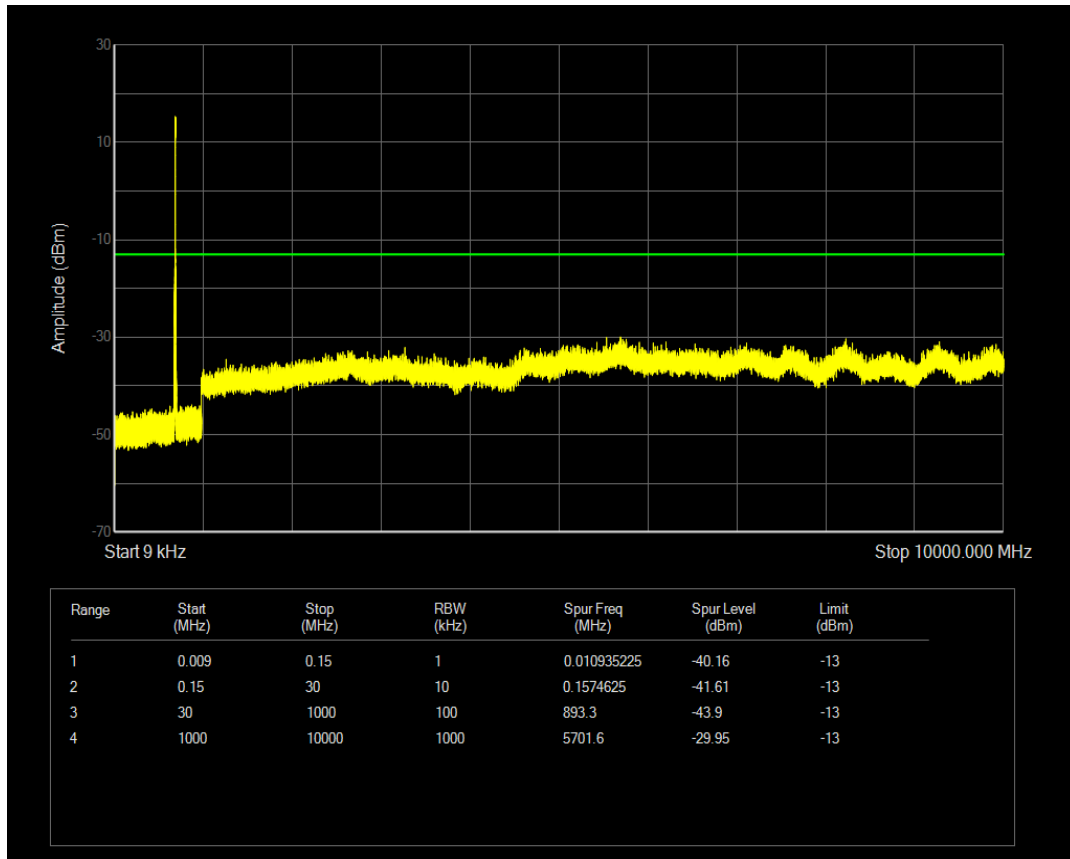
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



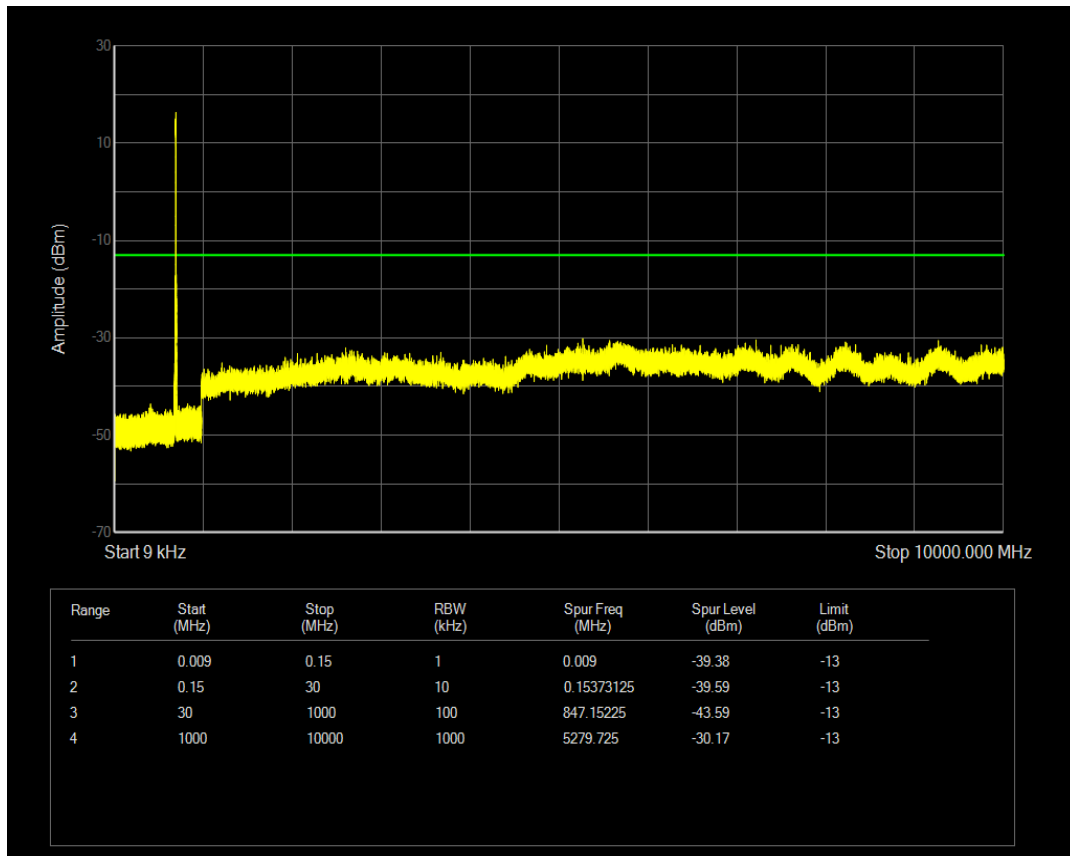
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



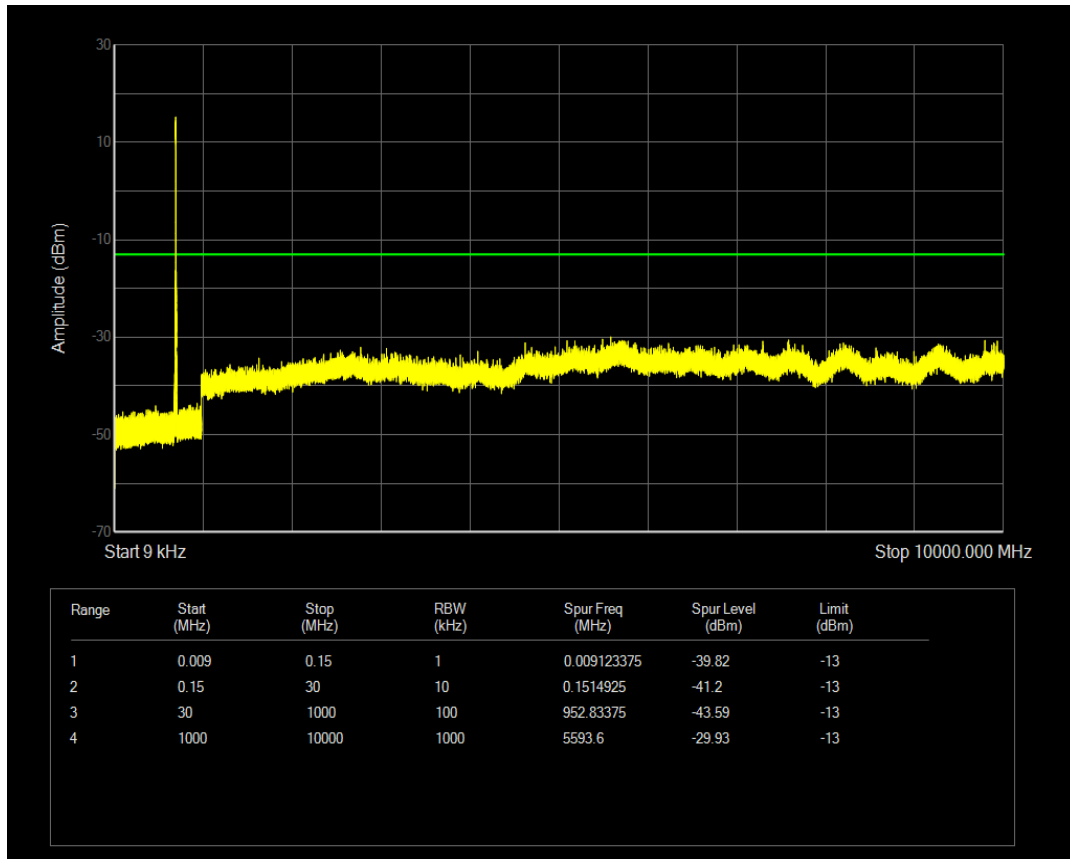
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



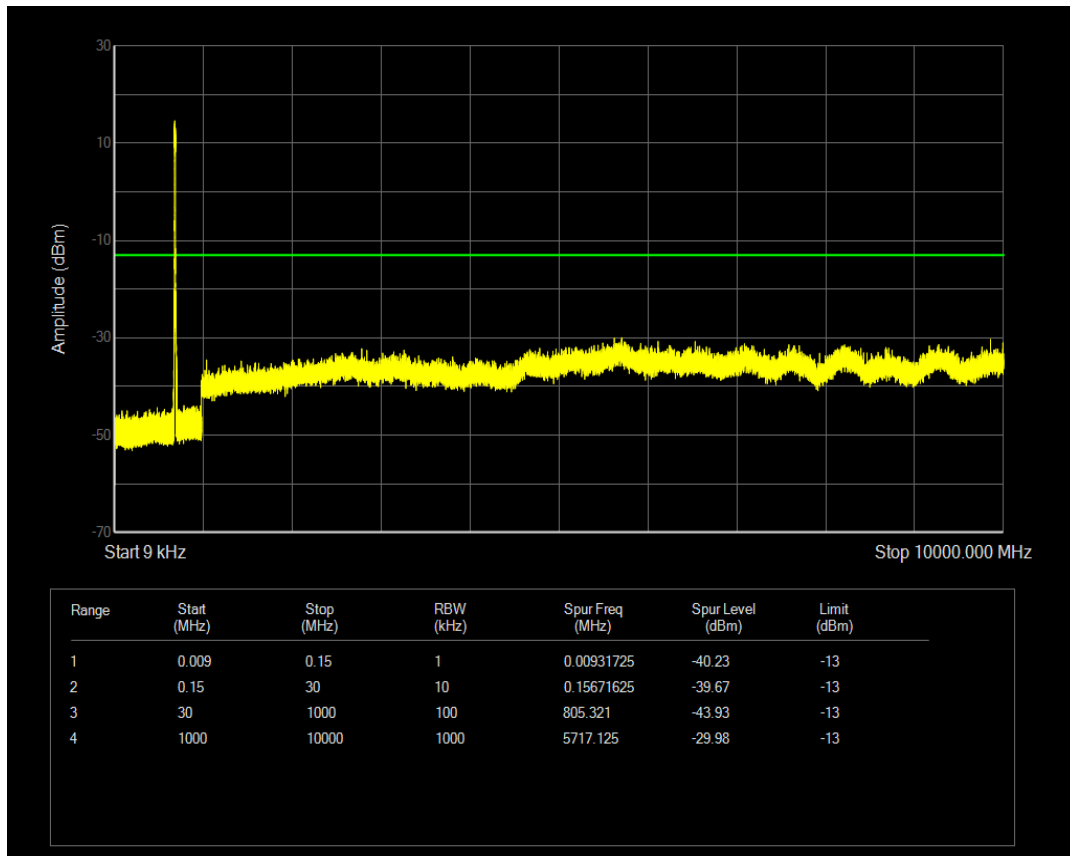
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



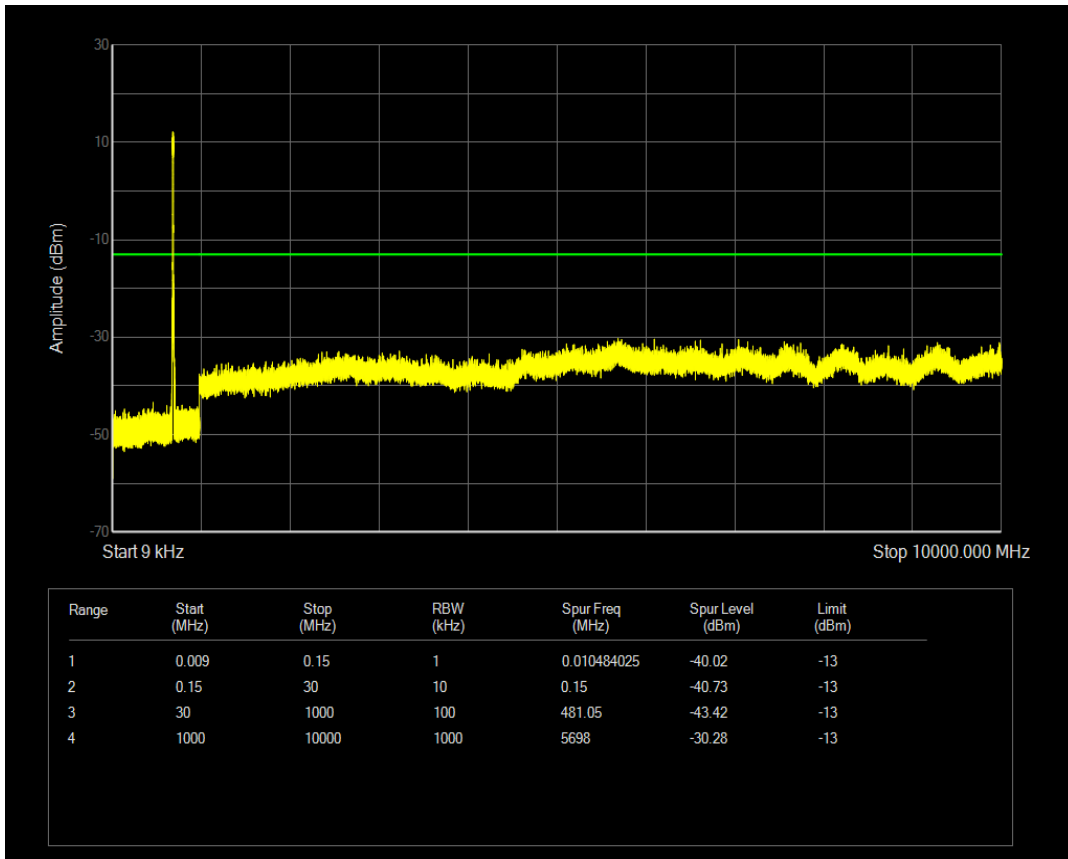
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



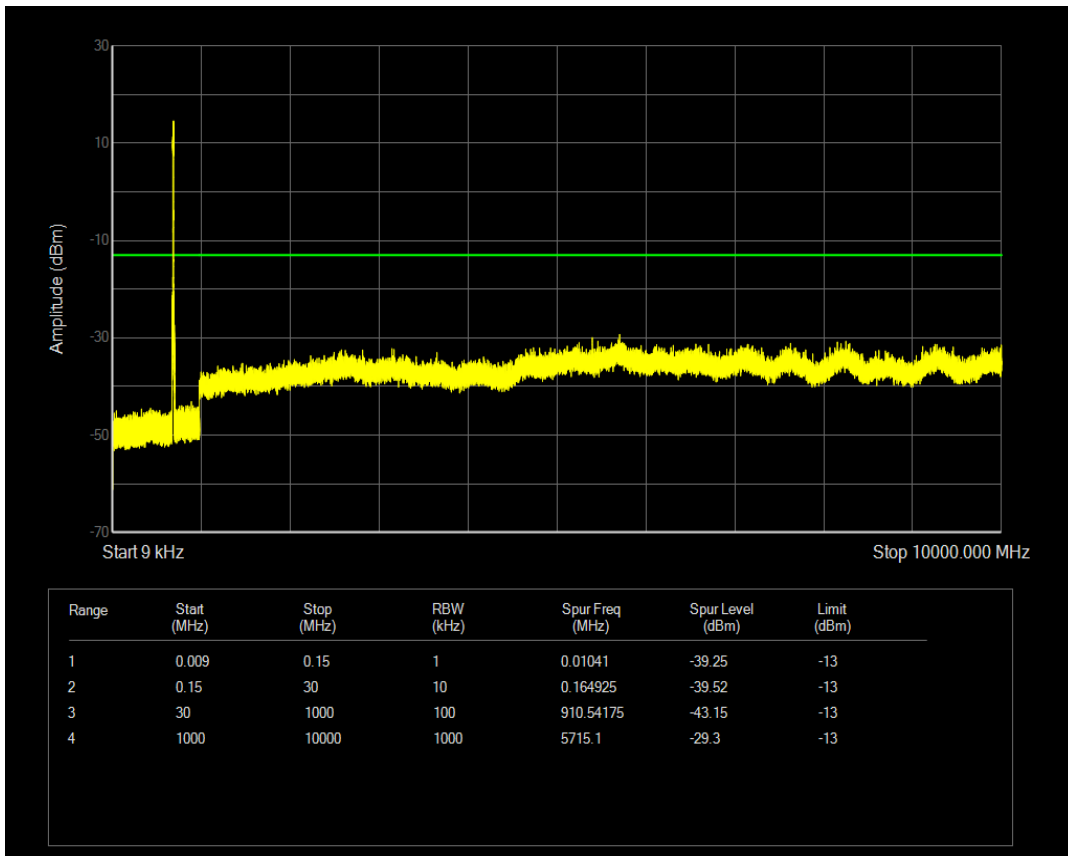
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



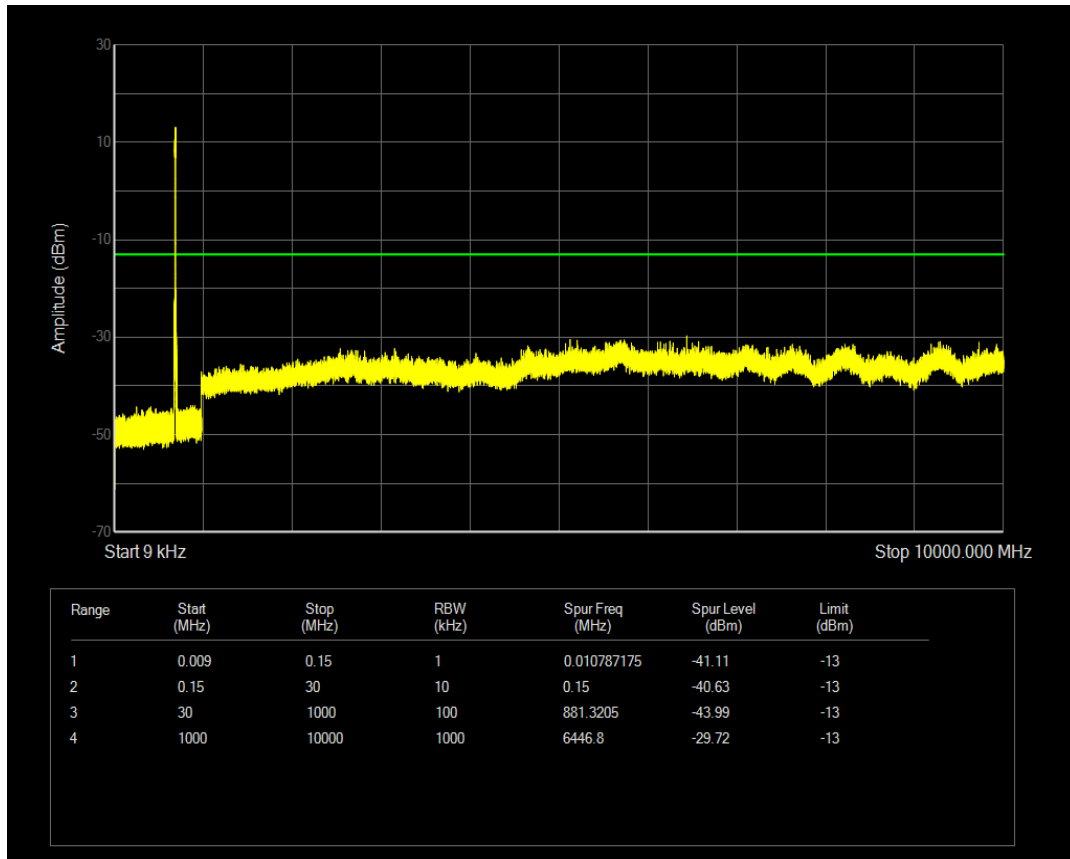
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



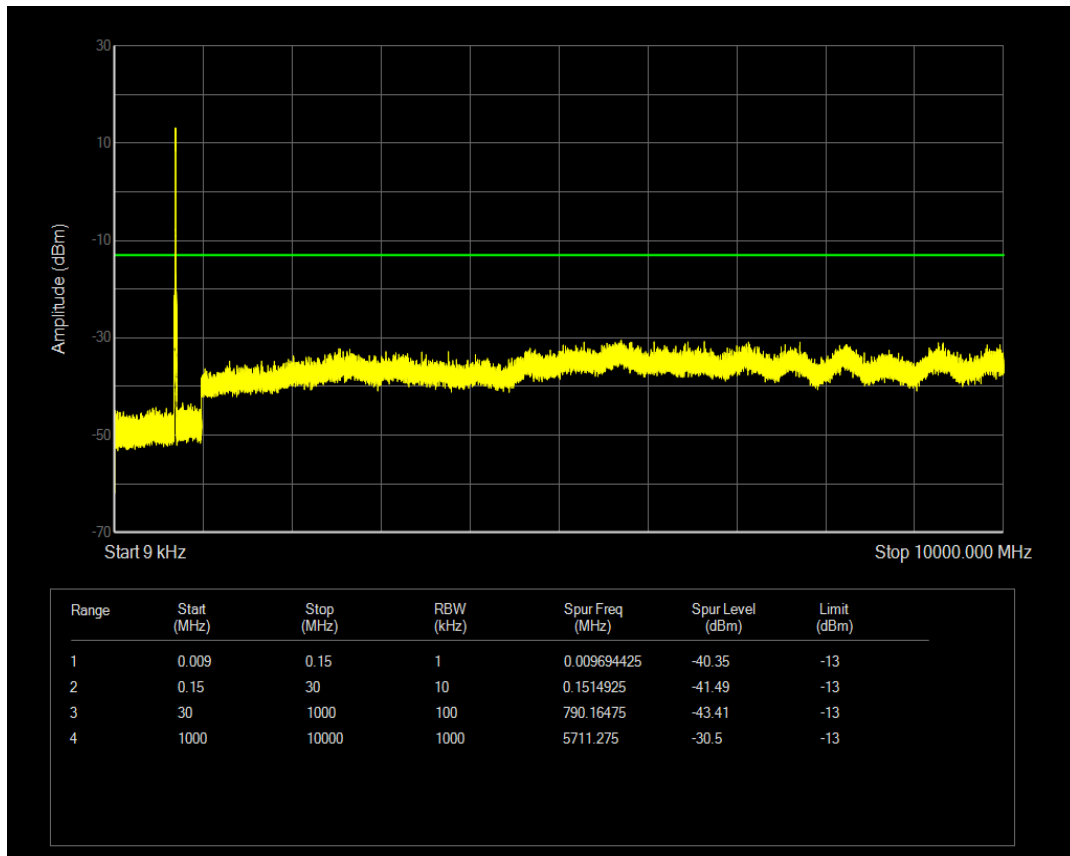
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



Band12 16QAM BW=10MHz Channel=23095 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

