

Appendix for Band 12

Report No.: BCTC2307757199-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart phone

Model/Type
reference: F101 PRO

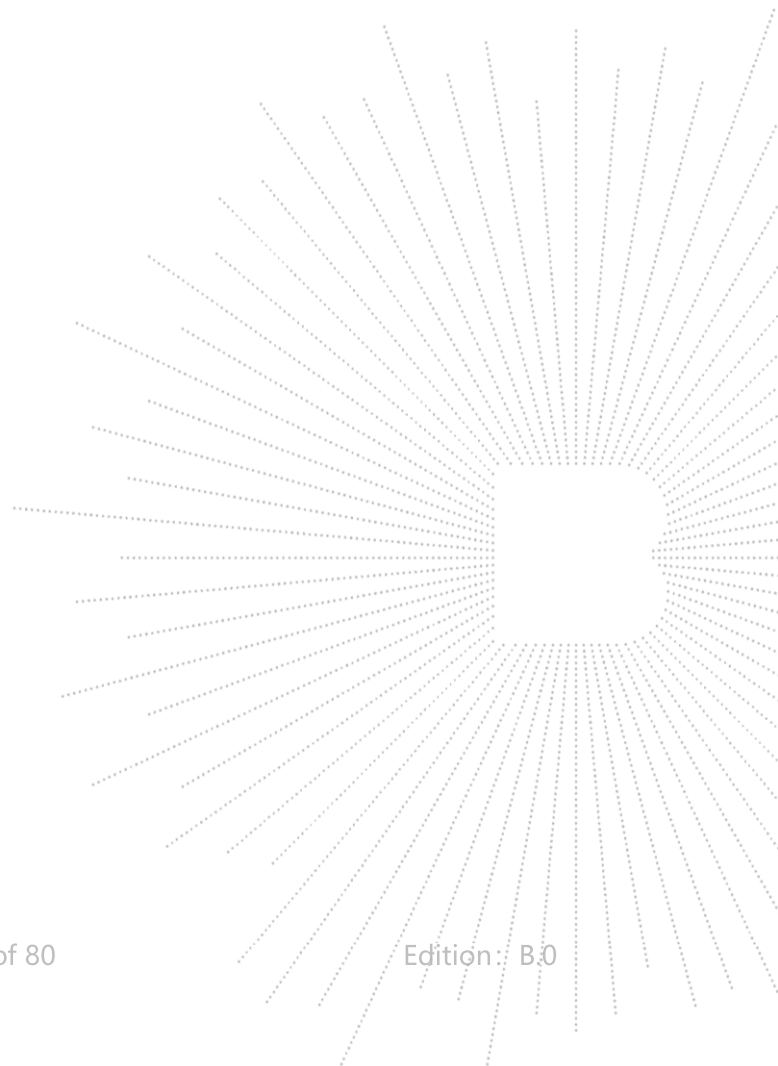
Tested Date: 2023-07-03 to 2023-07-14

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Shenzhen BCTC Testing Co., Ltd.

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Appendix 1. Conducted output power

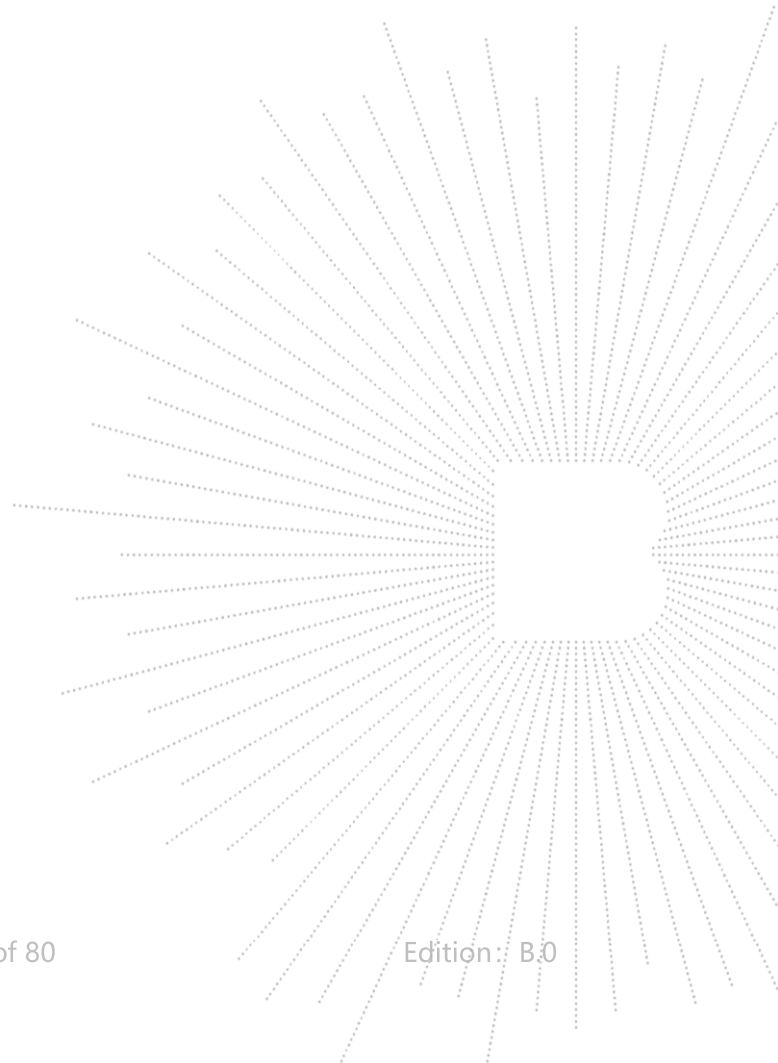
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	22.69	-0.1	20.44	PASS
Band12	1.4	23017	1	#Mid	QPSK	22.93	-0.1	20.68	PASS
Band12	1.4	23017	1	#Max	QPSK	22.81	-0.1	20.56	PASS
Band12	1.4	23017	3	#0	QPSK	22.86	-0.1	20.61	PASS
Band12	1.4	23017	3	#Mid	QPSK	22.87	-0.1	20.62	PASS
Band12	1.4	23017	3	#Max	QPSK	22.94	-0.1	20.69	PASS
Band12	1.4	23017	6	#0	QPSK	21.77	-0.1	19.52	PASS
Band12	1.4	23017	1	#0	16QAM	21.93	-0.1	19.68	PASS
Band12	1.4	23017	1	#Mid	16QAM	22.09	-0.1	19.84	PASS
Band12	1.4	23017	1	#Max	16QAM	22.07	-0.1	19.82	PASS
Band12	1.4	23017	3	#0	16QAM	22.03	-0.1	19.78	PASS
Band12	1.4	23017	3	#Mid	16QAM	22.13	-0.1	19.88	PASS
Band12	1.4	23017	3	#Max	16QAM	22.19	-0.1	19.94	PASS
Band12	1.4	23017	6	#0	16QAM	21.00	-0.1	18.75	PASS
Band12	1.4	23095	1	#0	QPSK	22.97	-0.1	20.72	PASS
Band12	1.4	23095	1	#Mid	QPSK	23.11	-0.1	20.86	PASS
Band12	1.4	23095	1	#Max	QPSK	23.03	-0.1	20.78	PASS
Band12	1.4	23095	3	#0	QPSK	23.06	-0.1	20.81	PASS
Band12	1.4	23095	3	#Mid	QPSK	23.05	-0.1	20.80	PASS
Band12	1.4	23095	3	#Max	QPSK	23.05	-0.1	20.80	PASS
Band12	1.4	23095	6	#0	QPSK	21.98	-0.1	19.73	PASS
Band12	1.4	23095	1	#0	16QAM	21.88	-0.1	19.63	PASS
Band12	1.4	23095	1	#Mid	16QAM	22.00	-0.1	19.75	PASS
Band12	1.4	23095	1	#Max	16QAM	21.84	-0.1	19.59	PASS
Band12	1.4	23095	3	#0	16QAM	22.18	-0.1	19.93	PASS
Band12	1.4	23095	3	#Mid	16QAM	22.18	-0.1	19.93	PASS
Band12	1.4	23095	3	#Max	16QAM	22.20	-0.1	19.95	PASS
Band12	1.4	23095	6	#0	16QAM	21.23	-0.1	18.98	PASS
Band12	1.4	23173	1	#0	QPSK	23.09	-0.1	20.84	PASS
Band12	1.4	23173	1	#Mid	QPSK	23.29	-0.1	21.04	PASS
Band12	1.4	23173	1	#Max	QPSK	23.07	-0.1	20.82	PASS
Band12	1.4	23173	3	#0	QPSK	23.09	-0.1	20.84	PASS
Band12	1.4	23173	3	#Mid	QPSK	23.10	-0.1	20.85	PASS
Band12	1.4	23173	3	#Max	QPSK	23.13	-0.1	20.88	PASS
Band12	1.4	23173	6	#0	QPSK	22.06	-0.1	19.81	PASS
Band12	1.4	23173	1	#0	16QAM	22.14	-0.1	19.89	PASS
Band12	1.4	23173	1	#Mid	16QAM	22.23	-0.1	19.98	PASS

Band12	1.4	23173	1	#Max	16QAM	22.11	-0.1	19.86	PASS
Band12	1.4	23173	3	#0	16QAM	22.22	-0.1	19.97	PASS
Band12	1.4	23173	3	#Mid	16QAM	22.22	-0.1	19.97	PASS
Band12	1.4	23173	3	#Max	16QAM	22.24	-0.1	19.99	PASS
Band12	1.4	23173	6	#0	16QAM	21.25	-0.1	19.00	PASS
Band12	3	23025	1	#0	QPSK	22.76	-0.1	20.51	PASS
Band12	3	23025	1	#Mid	QPSK	23.26	-0.1	21.01	PASS
Band12	3	23025	1	#Max	QPSK	22.97	-0.1	20.72	PASS
Band12	3	23025	8	#0	QPSK	21.82	-0.1	19.57	PASS
Band12	3	23025	8	#Mid	QPSK	21.85	-0.1	19.60	PASS
Band12	3	23025	8	#Max	QPSK	21.90	-0.1	19.65	PASS
Band12	3	23025	15	#0	QPSK	21.82	-0.1	19.57	PASS
Band12	3	23025	1	#0	16QAM	21.62	-0.1	19.37	PASS
Band12	3	23025	1	#Mid	16QAM	22.25	-0.1	20.00	PASS
Band12	3	23025	1	#Max	16QAM	21.83	-0.1	19.58	PASS
Band12	3	23025	8	#0	16QAM	20.83	-0.1	18.58	PASS
Band12	3	23025	8	#Mid	16QAM	20.96	-0.1	18.71	PASS
Band12	3	23025	8	#Max	16QAM	20.91	-0.1	18.66	PASS
Band12	3	23025	15	#0	16QAM	20.99	-0.1	18.74	PASS
Band12	3	23095	1	#0	QPSK	22.94	-0.1	20.69	PASS
Band12	3	23095	1	#Mid	QPSK	23.25	-0.1	21.00	PASS
Band12	3	23095	1	#Max	QPSK	22.97	-0.1	20.72	PASS
Band12	3	23095	8	#0	QPSK	21.98	-0.1	19.73	PASS
Band12	3	23095	8	#Mid	QPSK	22.04	-0.1	19.79	PASS
Band12	3	23095	8	#Max	QPSK	22.00	-0.1	19.75	PASS
Band12	3	23095	15	#0	QPSK	21.99	-0.1	19.74	PASS
Band12	3	23095	1	#0	16QAM	22.45	-0.1	20.20	PASS
Band12	3	23095	1	#Mid	16QAM	22.77	-0.1	20.52	PASS
Band12	3	23095	1	#Max	16QAM	22.45	-0.1	20.20	PASS
Band12	3	23095	8	#0	16QAM	21.09	-0.1	18.84	PASS
Band12	3	23095	8	#Mid	16QAM	21.12	-0.1	18.87	PASS
Band12	3	23095	8	#Max	16QAM	21.07	-0.1	18.82	PASS
Band12	3	23095	15	#0	16QAM	21.11	-0.1	18.86	PASS
Band12	3	23165	1	#0	QPSK	23.08	-0.1	20.83	PASS
Band12	3	23165	1	#Mid	QPSK	23.38	-0.1	21.13	PASS
Band12	3	23165	1	#Max	QPSK	23.06	-0.1	20.81	PASS
Band12	3	23165	8	#0	QPSK	22.09	-0.1	19.84	PASS
Band12	3	23165	8	#Mid	QPSK	22.13	-0.1	19.88	PASS
Band12	3	23165	8	#Max	QPSK	22.09	-0.1	19.84	PASS
Band12	3	23165	15	#0	QPSK	22.11	-0.1	19.86	PASS
Band12	3	23165	1	#0	16QAM	22.29	-0.1	20.04	PASS
Band12	3	23165	1	#Mid	16QAM	22.56	-0.1	20.31	PASS

Band12	3	23165	1	#Max	16QAM	22.25	-0.1	20.00	PASS
Band12	3	23165	8	#0	16QAM	21.21	-0.1	18.96	PASS
Band12	3	23165	8	#Mid	16QAM	21.17	-0.1	18.92	PASS
Band12	3	23165	8	#Max	16QAM	21.11	-0.1	18.86	PASS
Band12	3	23165	15	#0	16QAM	21.09	-0.1	18.84	PASS
Band12	5	23035	1	#0	QPSK	22.65	-0.1	20.40	PASS
Band12	5	23035	1	#Mid	QPSK	23.21	-0.1	20.96	PASS
Band12	5	23035	1	#Max	QPSK	22.91	-0.1	20.66	PASS
Band12	5	23035	12	#0	QPSK	21.92	-0.1	19.67	PASS
Band12	5	23035	12	#Mid	QPSK	21.99	-0.1	19.74	PASS
Band12	5	23035	12	#Max	QPSK	21.94	-0.1	19.69	PASS
Band12	5	23035	25	#0	QPSK	21.96	-0.1	19.71	PASS
Band12	5	23035	1	#0	16QAM	22.21	-0.1	19.96	PASS
Band12	5	23035	1	#Mid	16QAM	22.68	-0.1	20.43	PASS
Band12	5	23035	1	#Max	16QAM	22.48	-0.1	20.23	PASS
Band12	5	23035	12	#0	16QAM	20.95	-0.1	18.70	PASS
Band12	5	23035	12	#Mid	16QAM	21.00	-0.1	18.75	PASS
Band12	5	23035	12	#Max	16QAM	21.01	-0.1	18.76	PASS
Band12	5	23035	25	#0	16QAM	21.02	-0.1	18.77	PASS
Band12	5	23095	1	#0	QPSK	22.91	-0.1	20.66	PASS
Band12	5	23095	1	#Mid	QPSK	23.33	-0.1	21.08	PASS
Band12	5	23095	1	#Max	QPSK	22.95	-0.1	20.70	PASS
Band12	5	23095	12	#0	QPSK	22.00	-0.1	19.75	PASS
Band12	5	23095	12	#Mid	QPSK	22.06	-0.1	19.81	PASS
Band12	5	23095	12	#Max	QPSK	22.03	-0.1	19.78	PASS
Band12	5	23095	25	#0	QPSK	22.03	-0.1	19.78	PASS
Band12	5	23095	1	#0	16QAM	22.30	-0.1	20.05	PASS
Band12	5	23095	1	#Mid	16QAM	22.67	-0.1	20.42	PASS
Band12	5	23095	1	#Max	16QAM	22.33	-0.1	20.08	PASS
Band12	5	23095	12	#0	16QAM	21.03	-0.1	18.78	PASS
Band12	5	23095	12	#Mid	16QAM	21.08	-0.1	18.83	PASS
Band12	5	23095	12	#Max	16QAM	21.02	-0.1	18.77	PASS
Band12	5	23095	25	#0	16QAM	21.15	-0.1	18.90	PASS
Band12	5	23155	1	#0	QPSK	22.91	-0.1	20.66	PASS
Band12	5	23155	1	#Mid	QPSK	23.33	-0.1	21.08	PASS
Band12	5	23155	1	#Max	QPSK	22.93	-0.1	20.68	PASS
Band12	5	23155	12	#0	QPSK	22.11	-0.1	19.86	PASS
Band12	5	23155	12	#Mid	QPSK	22.16	-0.1	19.91	PASS
Band12	5	23155	12	#Max	QPSK	22.06	-0.1	19.81	PASS
Band12	5	23155	25	#0	QPSK	22.10	-0.1	19.85	PASS
Band12	5	23155	1	#0	16QAM	22.26	-0.1	20.01	PASS
Band12	5	23155	1	#Mid	16QAM	22.71	-0.1	20.46	PASS

Band12	5	23155	1	#Max	16QAM	22.22	-0.1	19.97	PASS
Band12	5	23155	12	#0	16QAM	21.22	-0.1	18.97	PASS
Band12	5	23155	12	#Mid	16QAM	21.24	-0.1	18.99	PASS
Band12	5	23155	12	#Max	16QAM	21.11	-0.1	18.86	PASS
Band12	5	23155	25	#0	16QAM	21.15	-0.1	18.90	PASS
Band12	10	23060	1	#0	QPSK	22.85	-0.1	20.60	PASS
Band12	10	23060	1	#Mid	QPSK	23.16	-0.1	20.91	PASS
Band12	10	23060	1	#Max	QPSK	23.07	-0.1	20.82	PASS
Band12	10	23060	25	#0	QPSK	21.98	-0.1	19.73	PASS
Band12	10	23060	25	#Mid	QPSK	21.99	-0.1	19.74	PASS
Band12	10	23060	25	#Max	QPSK	22.05	-0.1	19.80	PASS
Band12	10	23060	50	#0	QPSK	22.04	-0.1	19.79	PASS
Band12	10	23060	1	#0	16QAM	21.72	-0.1	19.47	PASS
Band12	10	23060	1	#Mid	16QAM	22.01	-0.1	19.76	PASS
Band12	10	23060	1	#Max	16QAM	21.91	-0.1	19.66	PASS
Band12	10	23060	25	#0	16QAM	21.02	-0.1	18.77	PASS
Band12	10	23060	25	#Mid	16QAM	21.06	-0.1	18.81	PASS
Band12	10	23060	25	#Max	16QAM	21.13	-0.1	18.88	PASS
Band12	10	23060	50	#0	16QAM	21.10	-0.1	18.85	PASS
Band12	10	23095	1	#0	QPSK	22.92	-0.1	20.67	PASS
Band12	10	23095	1	#Mid	QPSK	23.10	-0.1	20.85	PASS
Band12	10	23095	1	#Max	QPSK	23.02	-0.1	20.77	PASS
Band12	10	23095	25	#0	QPSK	22.06	-0.1	19.81	PASS
Band12	10	23095	25	#Mid	QPSK	22.04	-0.1	19.79	PASS
Band12	10	23095	25	#Max	QPSK	22.08	-0.1	19.83	PASS
Band12	10	23095	50	#0	QPSK	22.08	-0.1	19.83	PASS
Band12	10	23095	1	#0	16QAM	22.37	-0.1	20.12	PASS
Band12	10	23095	1	#Mid	16QAM	22.53	-0.1	20.28	PASS
Band12	10	23095	1	#Max	16QAM	22.48	-0.1	20.23	PASS
Band12	10	23095	25	#0	16QAM	21.15	-0.1	18.90	PASS
Band12	10	23095	25	#Mid	16QAM	21.13	-0.1	18.88	PASS
Band12	10	23095	25	#Max	16QAM	21.16	-0.1	18.91	PASS
Band12	10	23095	50	#0	16QAM	21.15	-0.1	18.90	PASS
Band12	10	23130	1	#0	QPSK	23.01	-0.1	20.76	PASS
Band12	10	23130	1	#Mid	QPSK	23.13	-0.1	20.88	PASS
Band12	10	23130	1	#Max	QPSK	23.09	-0.1	20.84	PASS
Band12	10	23130	25	#0	QPSK	22.15	-0.1	19.90	PASS
Band12	10	23130	25	#Mid	QPSK	22.08	-0.1	19.83	PASS
Band12	10	23130	25	#Max	QPSK	22.07	-0.1	19.82	PASS
Band12	10	23130	50	#0	QPSK	22.12	-0.1	19.87	PASS
Band12	10	23130	1	#0	16QAM	22.15	-0.1	19.90	PASS
Band12	10	23130	1	#Mid	16QAM	22.32	-0.1	20.07	PASS

Band12	10	23130	1	#Max	16QAM	22.22	-0.1	19.97	PASS
Band12	10	23130	25	#0	16QAM	21.18	-0.1	18.93	PASS
Band12	10	23130	25	#Mid	16QAM	21.20	-0.1	18.95	PASS
Band12	10	23130	25	#Max	16QAM	21.11	-0.1	18.86	PASS
Band12	10	23130	50	#0	16QAM	21.22	-0.1	18.97	PASS



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band1 2	1.4	23017	6	#0	QPSK	LV	NT	-7.75	-0.011	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	NT	-9.13	-0.013	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	HV	NT	-12.29	-0.018	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	LV	NT	-7.80	-0.011	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	NV	NT	-7.05	-0.010	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	16QAM	HV	NT	-6.32	-0.009	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	LV	NT	-2.80	-0.004	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	NT	-5.87	-0.008	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	HV	NT	-5.92	-0.008	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	LV	NT	-4.59	-0.006	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	NV	NT	-4.31	-0.006	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	16QAM	HV	NT	-3.49	-0.005	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	LV	NT	-0.62	-0.001	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	NT	-4.36	-0.006	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	HV	NT	-3.79	-0.005	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	LV	NT	-5.08	-0.007	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	NV	NT	-9.31	-0.013	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	16QAM	HV	NT	-2.52	-0.000	-2.5	2.5	PASS

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Band1 2	3	23025	15	#0	QPSK	LV	NT	-7.52	-0.011	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	NT	-13.1 6	-0.01 9	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	HV	NT	-14.6 3	-0.02 1	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	LV	NT	-9.77	-0.01 4	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	NV	NT	-4.31	-0.00 6	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	16QAM	HV	NT	-4.31	-0.00 6	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	LV	NT	-3.32	-0.00 5	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	NT	-3.10	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	HV	NT	-3.45	-0.00 5	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	LV	NT	-5.14	-0.00 7	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	NV	NT	-6.15	-0.00 9	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	16QAM	HV	NT	-4.25	-0.00 6	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	LV	NT	-6.47	-0.00 9	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	NV	NT	-5.39	-0.00 8	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	QPSK	HV	NT	-8.35	-0.01 2	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	LV	NT	-9.90	-0.01 4	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	NV	NT	-3.76	-0.00 5	-2.5	2.5	PASS
Band1 2	3	23165	15	#0	16QAM	HV	NT	-2.66	-0.00 4	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	LV	NT	-8.25	-0.01 2	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	NV	NT	-7.27	-0.01 0	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	QPSK	HV	NT	-6.97	-0.01 0	-2.5	2.5	PASS

Band1 2	5	23035	25	#0	16QAM	LV	NT	-6.62	-0.00 9	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	NV	NT	-5.06	-0.00 7	-2.5	2.5	PASS
Band1 2	5	23035	25	#0	16QAM	HV	NT	-5.04	-0.00 7	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	LV	NT	-1.59	-0.00 2	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	NT	-4.49	-0.00 6	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	HV	NT	-7.77	-0.011	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	LV	NT	-5.29	-0.00 7	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	NV	NT	-3.00	-0.00 4	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	16QAM	HV	NT	-2.66	-0.00 4	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	LV	NT	-4.84	-0.00 7	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	NT	-5.31	-0.00 7	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	HV	NT	-7.17	-0.01 0	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	LV	NT	-8.73	-0.01 2	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	NV	NT	-5.59	-0.00 8	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	16QAM	HV	NT	-6.28	-0.00 9	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	LV	NT	-6.07	-0.00 9	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	NT	-8.48	-0.01 2	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	HV	NT	-6.51	-0.00 9	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	LV	NT	-4.99	-0.00 7	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	NV	NT	-6.69	-0.01 0	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	16QAM	HV	NT	-4.29	-0.00 6	-2.5	2.5	PASS
Band1	10	23095	50	#0	QPSK	LV	NT	-7.40	-0.01	-2.5	2.5	PASS

2									0			
Band1 2	10	23095	50	#0	QPSK	NV	NT	-7.54	-0.011	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	HV	NT	-5.26	-0.007	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	LV	NT	-6.90	-0.010	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	NV	NT	-5.59	-0.008	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	16QAM	HV	NT	-5.05	-0.007	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	LV	NT	-7.72	-0.011	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	NT	-3.22	-0.005	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	HV	NT	-8.58	-0.012	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	LV	NT	-7.80	-0.011	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	NV	NT	-7.37	-0.010	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	16QAM	HV	NT	-4.41	-0.006	-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	-1.23	-0.002	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	-20	-4.15	-0.006	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	0	-6.41	-0.009	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	10	-3.62	-0.005	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QPSK	NV	20	-7.47	-0.011	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QAM16	NV	-30	-5.08	-0.007	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QAM16	NV	-20	-1.66	-0.002	-2.5	2.5	PASS
Band1	1.4	23017	6	#0	QAM16	NV	0	-1.77	-0.00	-2.5	2.5	PASS

2									3			
Band1 2	1.4	23017	6	#0	QAM16	NV	10	-3.65	-0.00 5	-2.5	2.5	PASS
Band1 2	1.4	23017	6	#0	QAM16	NV	20	0.39	0.001	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	-30	0.70	0.001	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	-20	-3.25	-0.00 5	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	0	-1.09	-0.00 2	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	10	-0.21	0.000	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QPSK	NV	20	1.70	0.002	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QAM16	NV	-30	-4.66	-0.00 7	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QAM16	NV	-20	0.53	0.001	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QAM16	NV	0	-7.34	-0.01 0	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QAM16	NV	10	-3.20	-0.00 5	-2.5	2.5	PASS
Band1 2	1.4	23095	6	#0	QAM16	NV	20	-3.93	-0.00 6	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	-30	-6.07	-0.00 8	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	-20	-1.89	-0.00 3	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	0	-4.11	-0.00 6	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	10	-3.71	-0.00 5	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QPSK	NV	20	-2.45	-0.00 3	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QAM16	NV	-30	-0.82	-0.00 1	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QAM16	NV	-20	-3.91	-0.00 5	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QAM16	NV	0	-2.88	-0.00 4	-2.5	2.5	PASS
Band1 2	1.4	23173	6	#0	QAM16	NV	10	-1.73	-0.00 2	-2.5	2.5	PASS

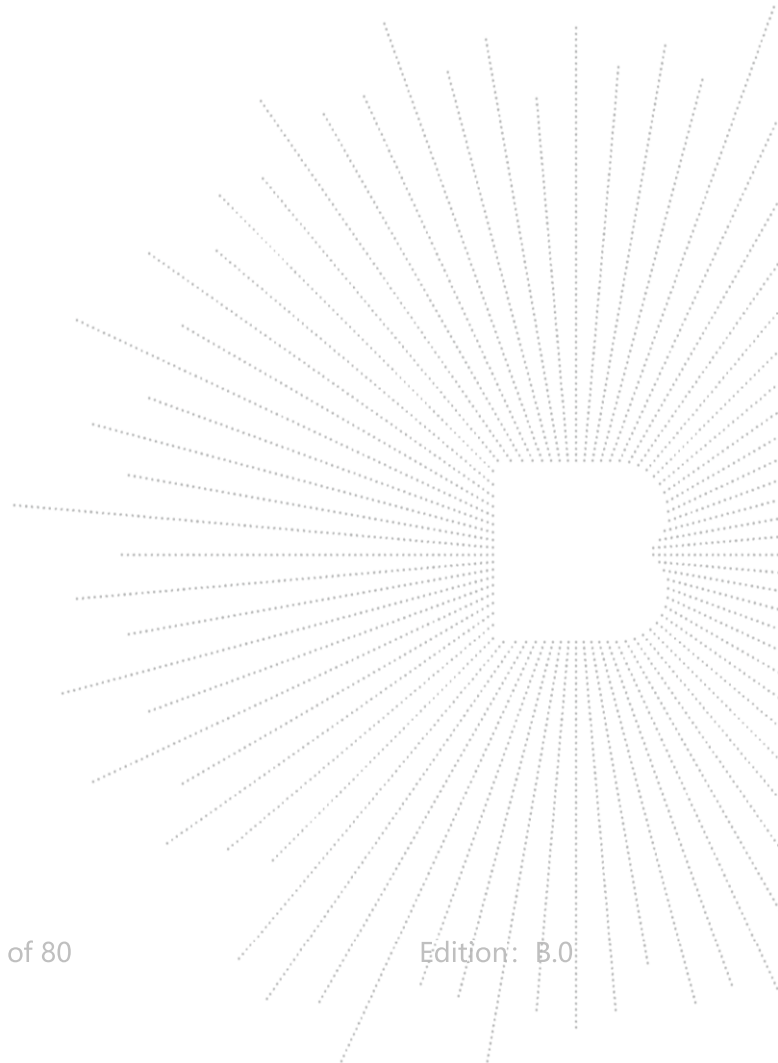
Band1 2	1.4	23173	6	#0	QAM16	NV	20	-0.97	-0.00 1	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	-30	-1.26	-0.00 2	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	-20	0.10	0.000	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	0	-5.91	-0.00 8	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	10	-3.55	-0.00 5	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QPSK	NV	20	0.06	0.000	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QAM16	NV	-30	-2.50	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QAM16	NV	-20	-6.34	-0.00 9	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QAM16	NV	0	-1.67	-0.00 2	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QAM16	NV	10	-2.95	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23025	15	#0	QAM16	NV	20	-2.55	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	-30	-2.53	-0.00 4	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	-20	-1.54	-0.00 2	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	0	-2.25	-0.00 3	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	10	0.56	0.001	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QPSK	NV	20	-0.80	-0.00 1	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QAM16	NV	-30	-5.85	-0.00 8	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QAM16	NV	-20	-5.36	-0.00 8	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QAM16	NV	0	1.44	0.002	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QAM16	NV	10	-2.45	-0.00 3	-2.5	2.5	PASS
Band1 2	3	23095	15	#0	QAM16	NV	20	-2.99	-0.00 4	-2.5	2.5	PASS
Band1	3	23165	15	#0	QPSK	NV	-30	-2.90	-0.00	-2.5	2.5	PASS

2									4			
Band1 2	3	23165	15	#0	QPSK	NV	-20	-1.95	-0.00	-2.5	2.5	PASS
2									3			
Band1 2	3	23165	15	#0	QPSK	NV	0	-2.75	-0.00	-2.5	2.5	PASS
2									4			
Band1 2	3	23165	15	#0	QPSK	NV	10	-4.84	-0.00	-2.5	2.5	PASS
2									7			
Band1 2	3	23165	15	#0	QPSK	NV	20	-3.55	-0.00	-2.5	2.5	PASS
2									5			
Band1 2	3	23165	15	#0	QAM16	NV	-30	-2.09	-0.00	-2.5	2.5	PASS
2									3			
Band1 2	3	23165	15	#0	QAM16	NV	-20	0.92	0.001	-2.5	2.5	PASS
2												
Band1 2	3	23165	15	#0	QAM16	NV	0	-2.63	-0.00	-2.5	2.5	PASS
2									4			
Band1 2	3	23165	15	#0	QAM16	NV	10	-1.80	-0.00	-2.5	2.5	PASS
2									3			
Band1 2	3	23165	15	#0	QAM16	NV	20	-1.96	-0.00	-2.5	2.5	PASS
2									3			
Band1 2	5	23035	25	#0	QPSK	NV	-30	-3.19	-0.00	-2.5	2.5	PASS
2									5			
Band1 2	5	23035	25	#0	QPSK	NV	-20	-6.18	-0.00	-2.5	2.5	PASS
2									9			
Band1 2	5	23035	25	#0	QPSK	NV	0	-3.43	-0.00	-2.5	2.5	PASS
2									5			
Band1 2	5	23035	25	#0	QPSK	NV	10	-0.72	-0.00	-2.5	2.5	PASS
2									1			
Band1 2	5	23035	25	#0	QPSK	NV	20	-4.02	-0.00	-2.5	2.5	PASS
2									6			
Band1 2	5	23035	25	#0	QAM16	NV	-30	0.01	0.000	-2.5	2.5	PASS
2												
Band1 2	5	23035	25	#0	QAM16	NV	-20	-1.73	-0.00	-2.5	2.5	PASS
2									2			
Band1 2	5	23035	25	#0	QAM16	NV	0	-2.52	-0.00	-2.5	2.5	PASS
2									4			
Band1 2	5	23035	25	#0	QAM16	NV	10	-2.53	-0.00	-2.5	2.5	PASS
2									4			
Band1 2	5	23035	25	#0	QAM16	NV	20	0.44	0.001	-2.5	2.5	PASS
2												
Band1 2	5	23095	25	#0	QPSK	NV	-30	0.33	0.000	-2.5	2.5	PASS
2												
Band1 2	5	23095	25	#0	QPSK	NV	-20	3.09	0.004	-2.5	2.5	PASS

Band1 2	5	23095	25	#0	QPSK	NV	0	-2.02	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	10	0.30	0.000	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QPSK	NV	20	0.01	0.000	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QAM16	NV	-30	-2.32	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QAM16	NV	-20	-1.56	-0.00 2	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QAM16	NV	0	-2.66	-0.00 4	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QAM16	NV	10	-2.79	-0.00 4	-2.5	2.5	PASS
Band1 2	5	23095	25	#0	QAM16	NV	20	-2.36	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	-30	-2.42	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	-20	-3.28	-0.00 5	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	0	-1.04	-0.00 1	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	10	1.75	0.002	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QPSK	NV	20	-2.56	-0.00 4	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QAM16	NV	-30	-1.93	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QAM16	NV	-20	1.40	0.002	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QAM16	NV	0	-2.15	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QAM16	NV	10	-2.45	-0.00 3	-2.5	2.5	PASS
Band1 2	5	23155	25	#0	QAM16	NV	20	-3.56	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	-30	-3.18	-0.00 5	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	-20	-2.22	-0.00 3	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QPSK	NV	0	-3.45	-0.00 5	-2.5	2.5	PASS
Band1	10	23060	50	#0	QPSK	NV	10	-3.82	-0.00	-2.5	2.5	PASS

2								5				
Band1 2	10	23060	50	#0	QPSK	NV	20	-1.77	-0.00	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QAM16	NV	-30	-3.05	-0.00	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QAM16	NV	-20	-3.65	-0.00	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QAM16	NV	0	-1.37	-0.00	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QAM16	NV	10	-3.95	-0.00	-2.5	2.5	PASS
Band1 2	10	23060	50	#0	QAM16	NV	20	-2.09	-0.00	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	-30	-0.53	-0.00	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	-20	-4.68	-0.00	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	0	-3.35	-0.00	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	10	-1.85	-0.00	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QPSK	NV	20	-2.83	-0.00	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QAM16	NV	-30	-3.81	-0.00	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QAM16	NV	-20	0.34	0.000	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QAM16	NV	0	-3.10	-0.00	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QAM16	NV	10	-4.33	-0.00	-2.5	2.5	PASS
Band1 2	10	23095	50	#0	QAM16	NV	20	-4.21	-0.00	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	-30	-1.75	-0.00	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	-20	-2.29	-0.00	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	0	-0.92	-0.00	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	10	-3.96	-0.00	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QPSK	NV	20	0.34	0.000	-2.5	2.5	PASS

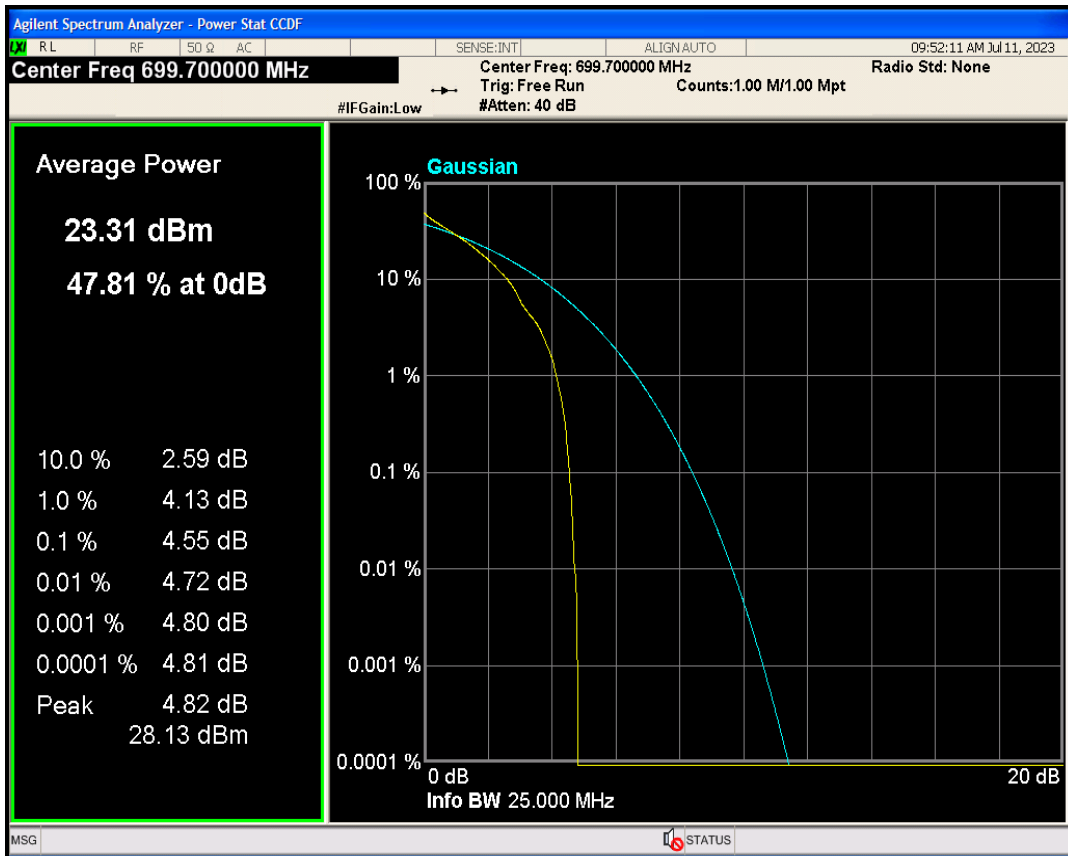
Band1 2	10	23130	50	#0	QAM16	NV	-30	-0.46	-0.00 1	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QAM16	NV	-20	-4.79	-0.00 7	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QAM16	NV	0	-2.70	-0.00 4	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QAM16	NV	10	-1.07	-0.00 2	-2.5	2.5	PASS
Band1 2	10	23130	50	#0	QAM16	NV	20	-3.18	-0.00 4	-2.5	2.5	PASS



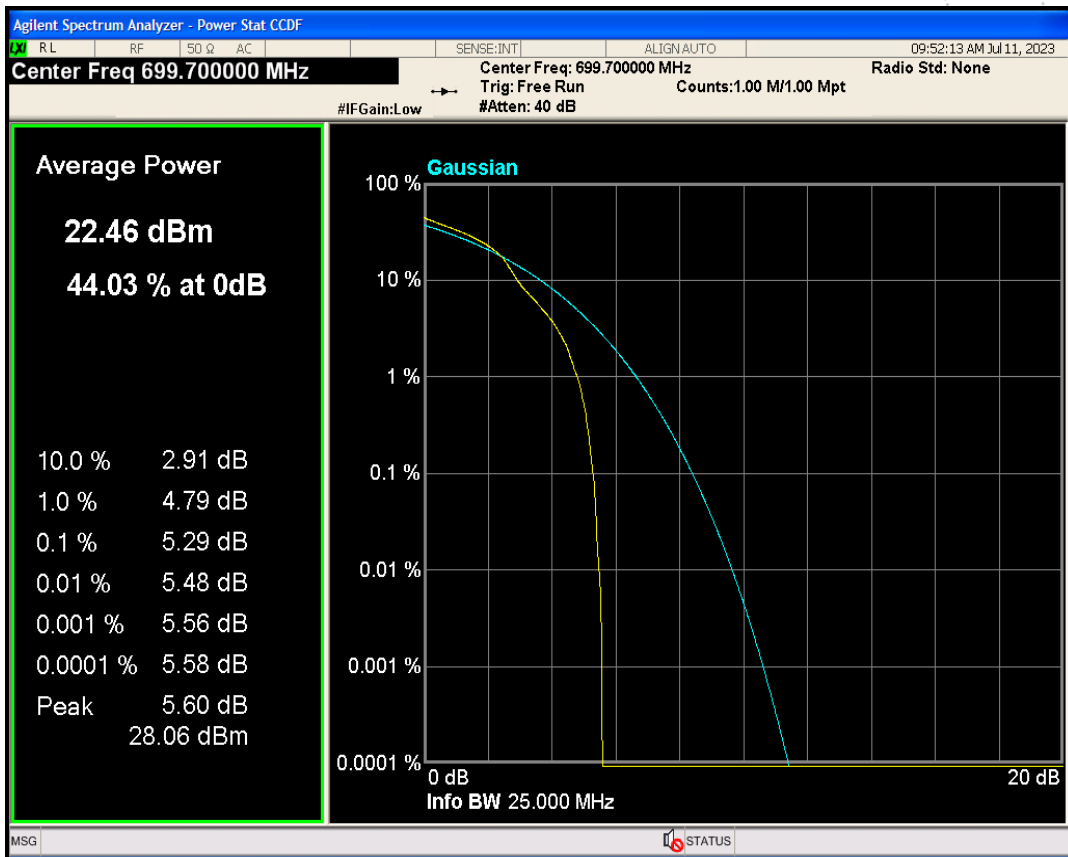
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	4.55	13	PASS
Band12	1.4	23017	1	#0	16QAM	5.29	13	PASS
Band12	1.4	23095	1	#0	QPSK	3.98	13	PASS
Band12	1.4	23095	1	#0	16QAM	4.84	13	PASS
Band12	1.4	23173	1	#0	QPSK	4.20	13	PASS
Band12	1.4	23173	1	#0	16QAM	5.14	13	PASS
Band12	3	23025	1	#0	QPSK	4.56	13	PASS
Band12	3	23025	1	#0	16QAM	5.55	13	PASS
Band12	3	23095	1	#0	QPSK	3.53	13	PASS
Band12	3	23095	1	#0	16QAM	4.32	13	PASS
Band12	3	23165	1	#0	QPSK	4.17	13	PASS
Band12	3	23165	1	#0	16QAM	5.08	13	PASS
Band12	5	23035	1	#0	QPSK	4.62	13	PASS
Band12	5	23035	1	#0	16QAM	5.24	13	PASS
Band12	5	23095	1	#0	QPSK	3.56	13	PASS
Band12	5	23095	1	#0	16QAM	4.30	13	PASS
Band12	5	23155	1	#0	QPSK	4.85	13	PASS
Band12	5	23155	1	#0	16QAM	5.54	13	PASS
Band12	10	23060	1	#0	QPSK	4.53	13	PASS
Band12	10	23060	1	#0	16QAM	5.26	13	PASS
Band12	10	23095	1	#0	QPSK	4.21	13	PASS
Band12	10	23095	1	#0	16QAM	5.07	13	PASS
Band12	10	23130	1	#0	QPSK	3.68	13	PASS
Band12	10	23130	1	#0	16QAM	4.71	13	PASS

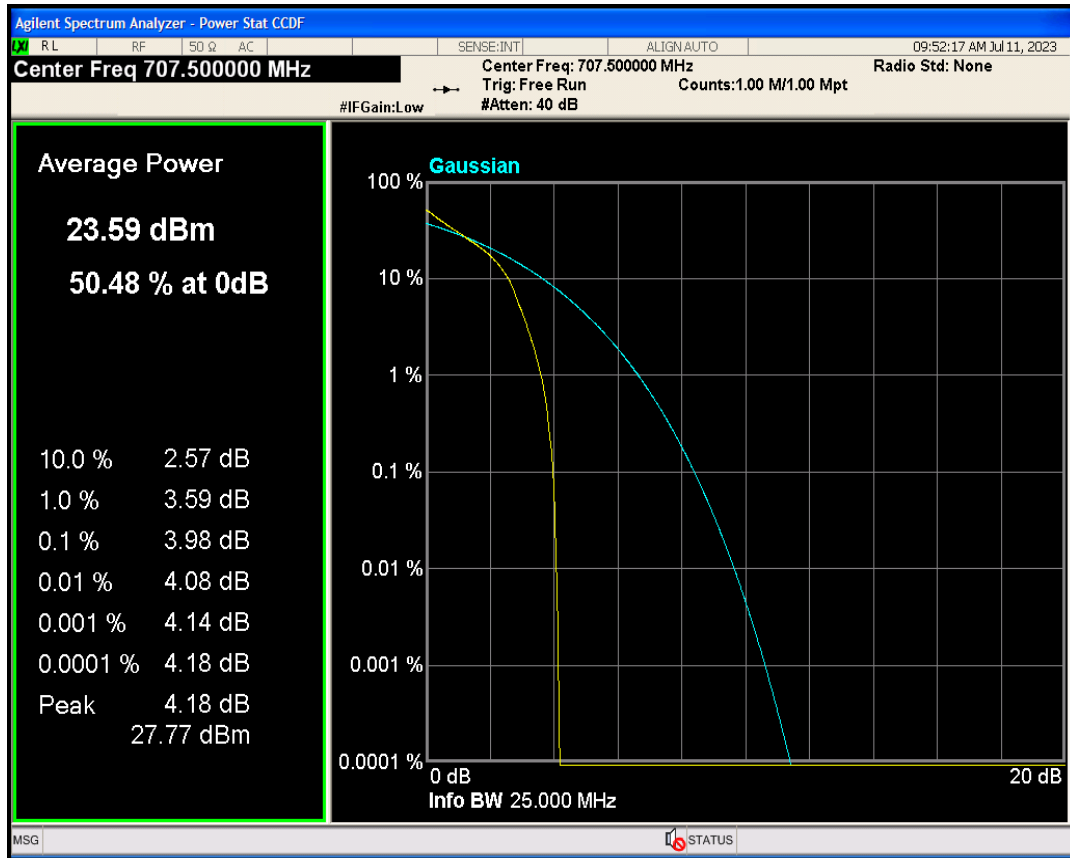
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



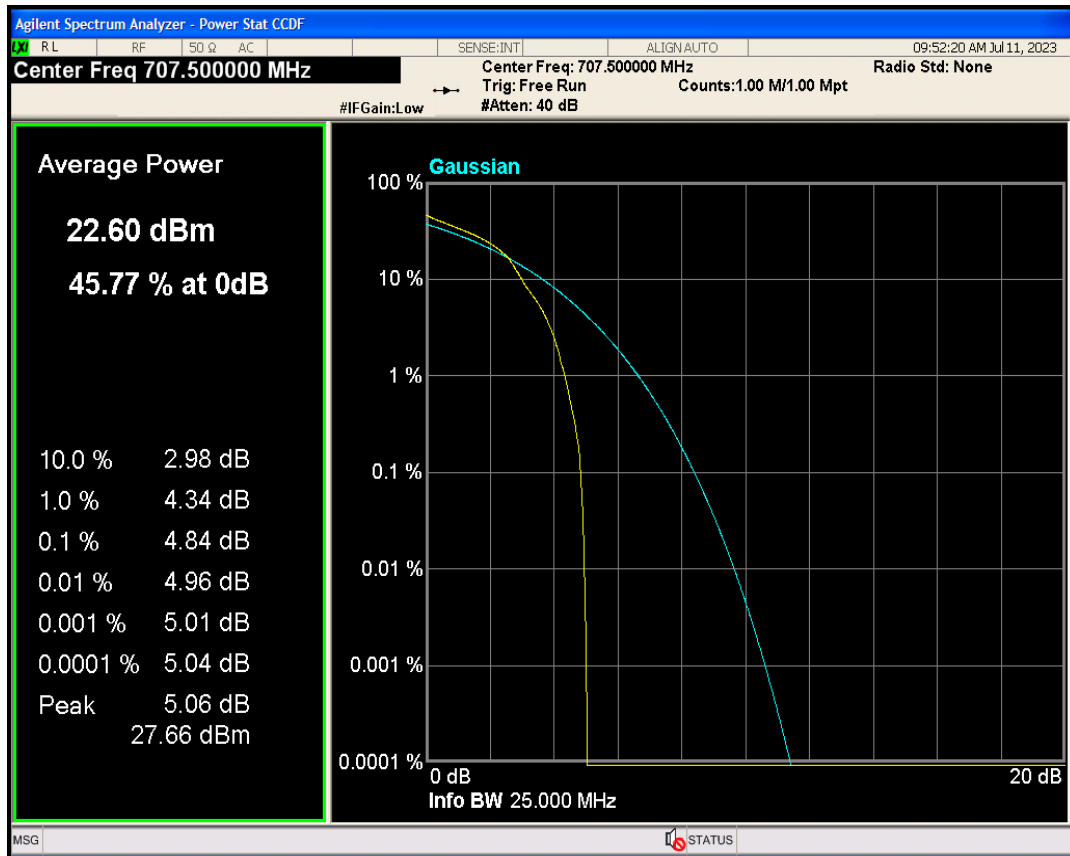
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



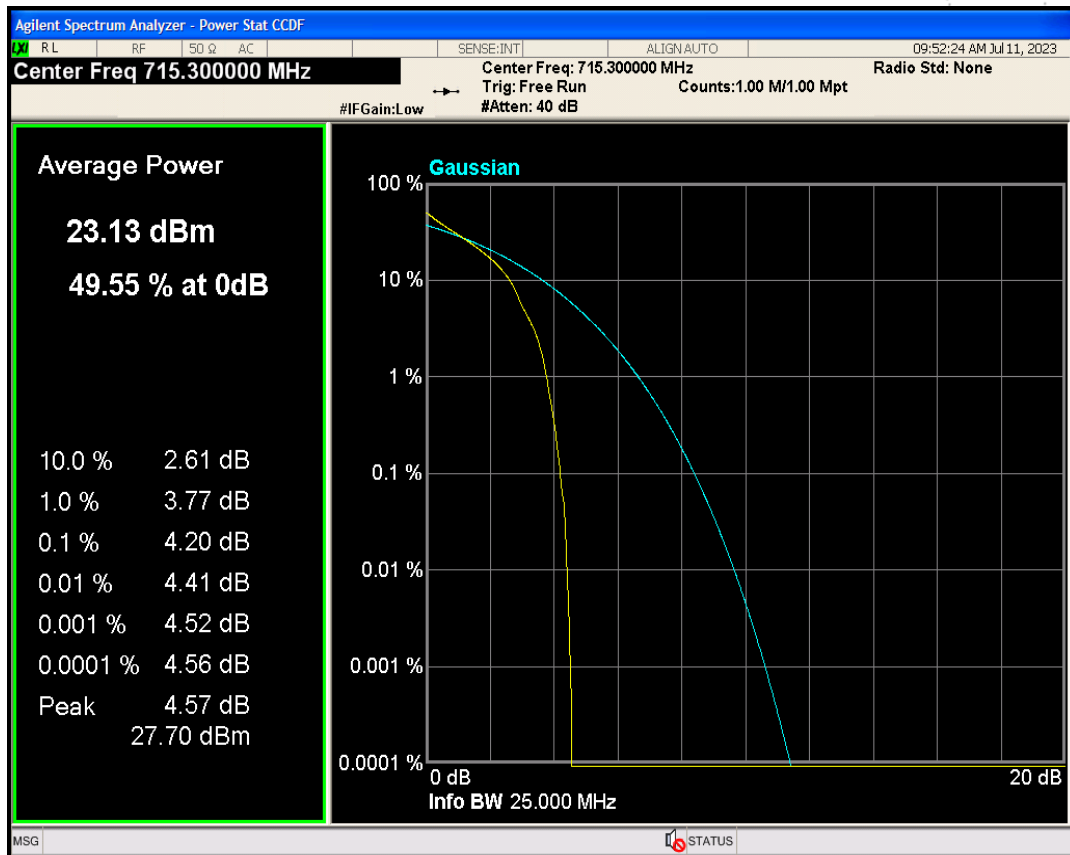
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



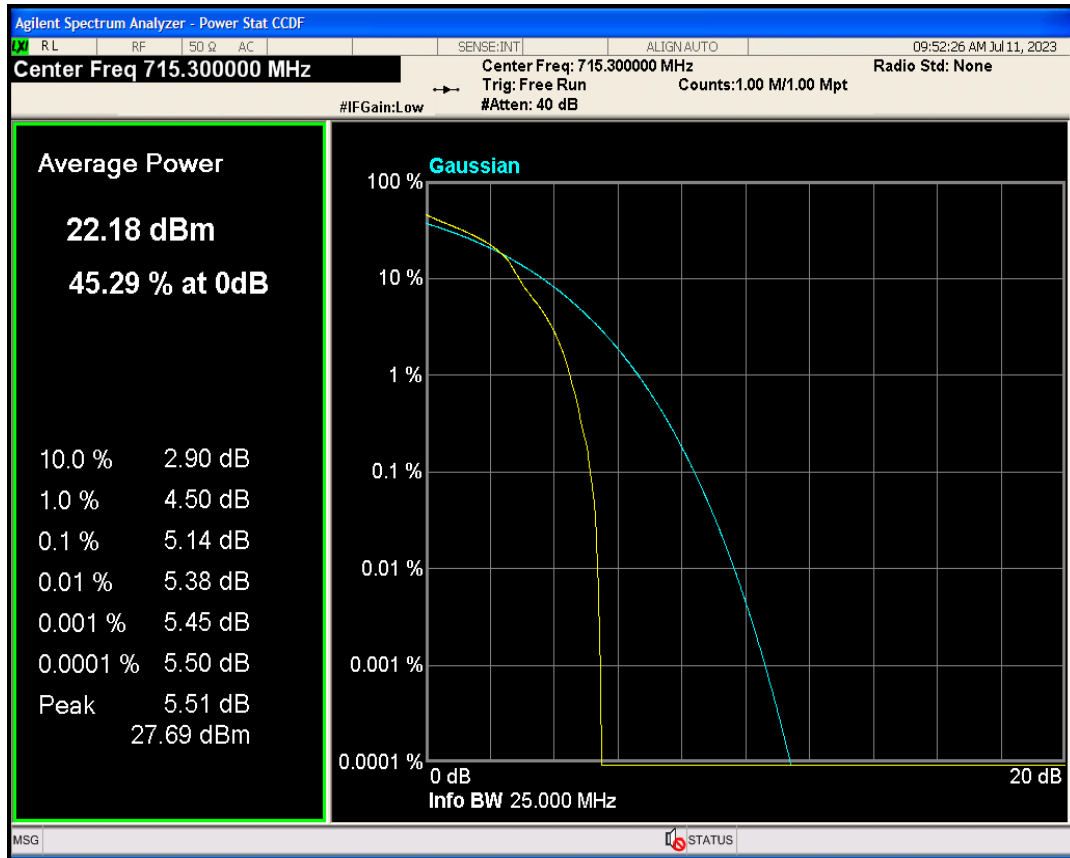
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



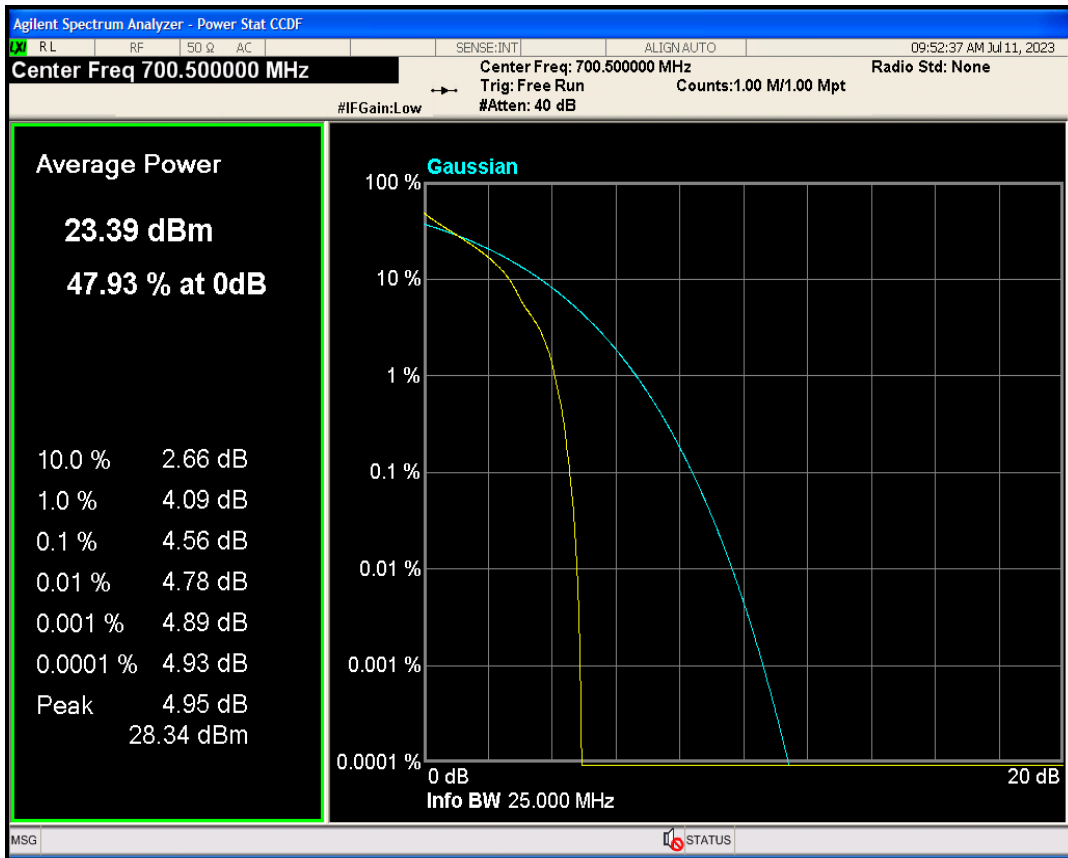
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



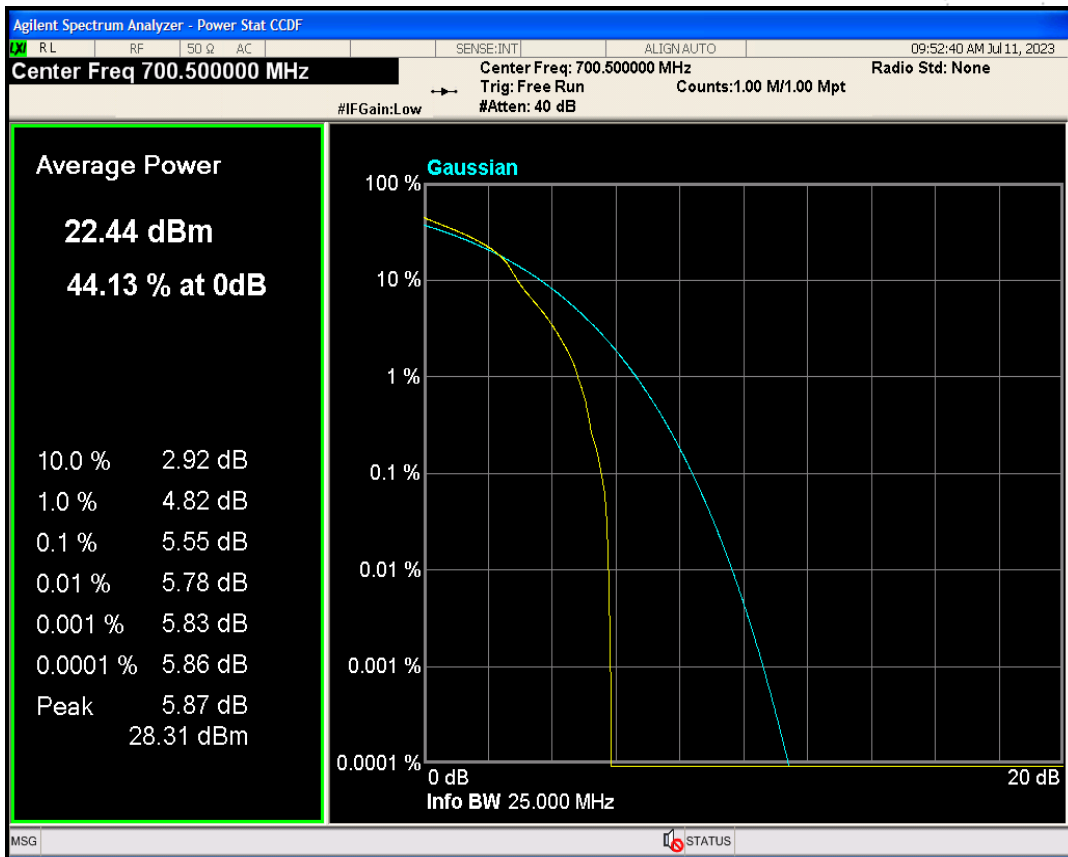
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



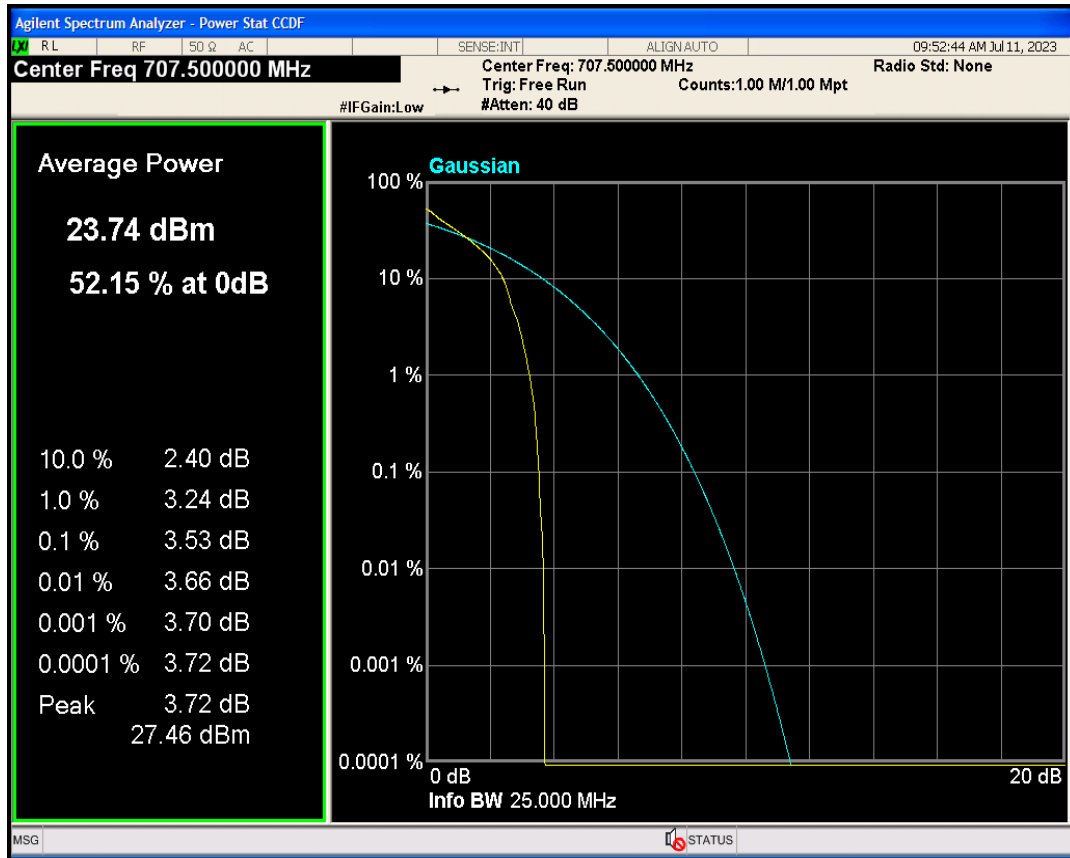
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



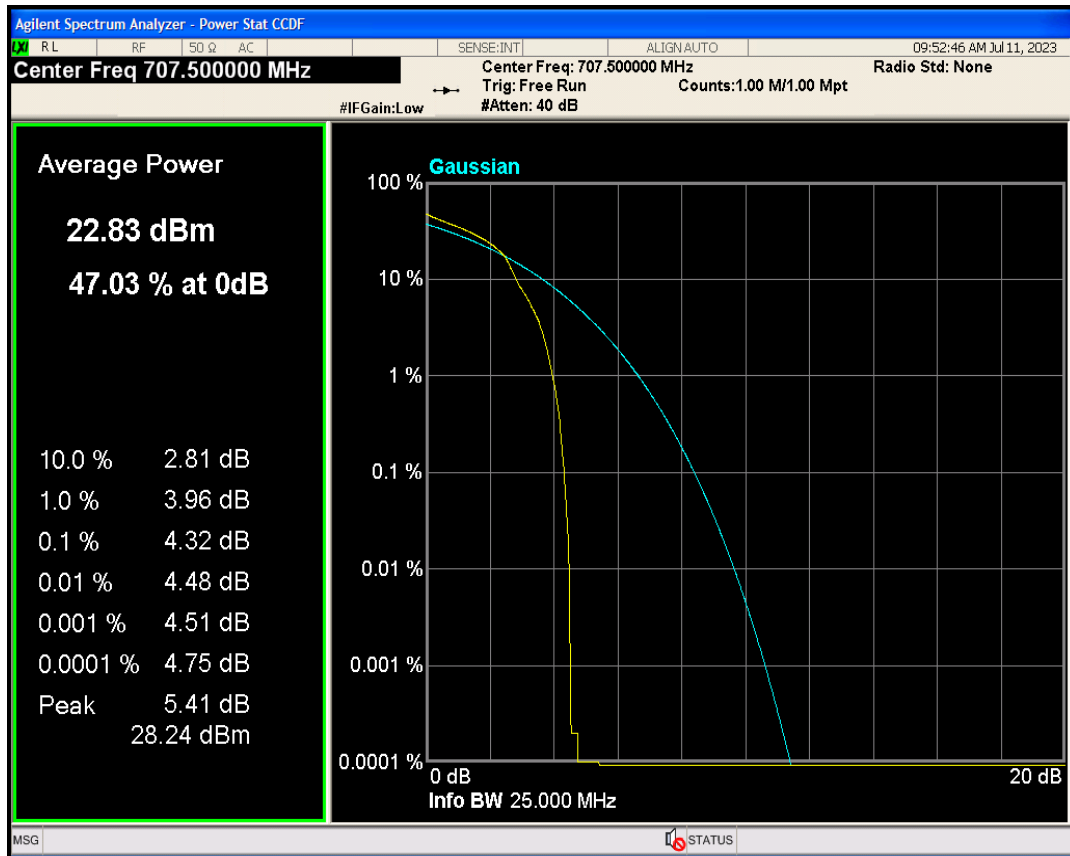
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



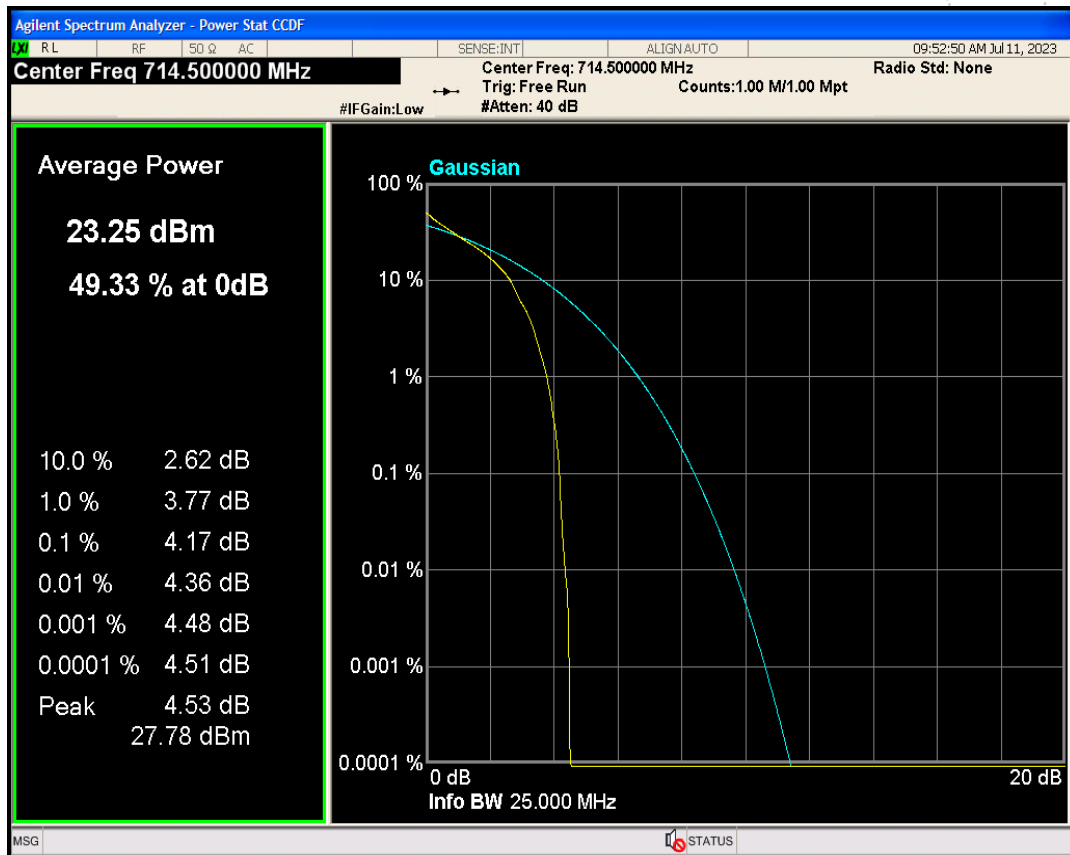
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



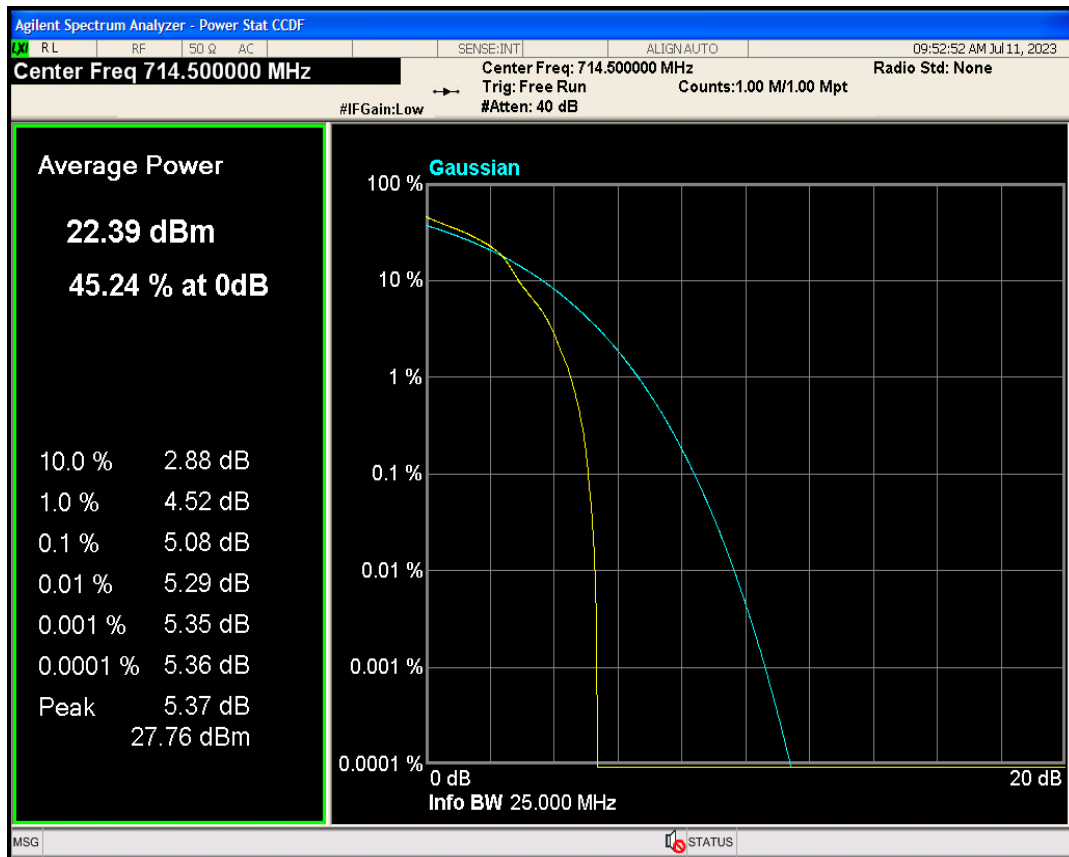
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



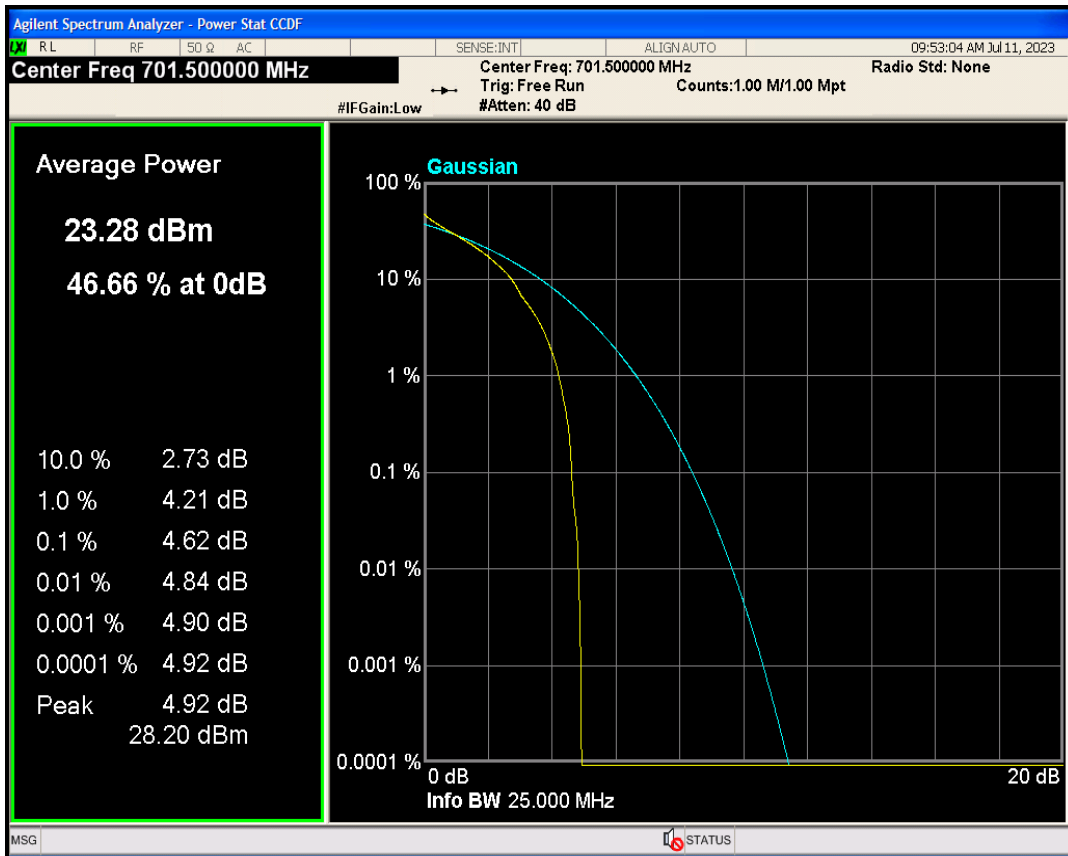
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



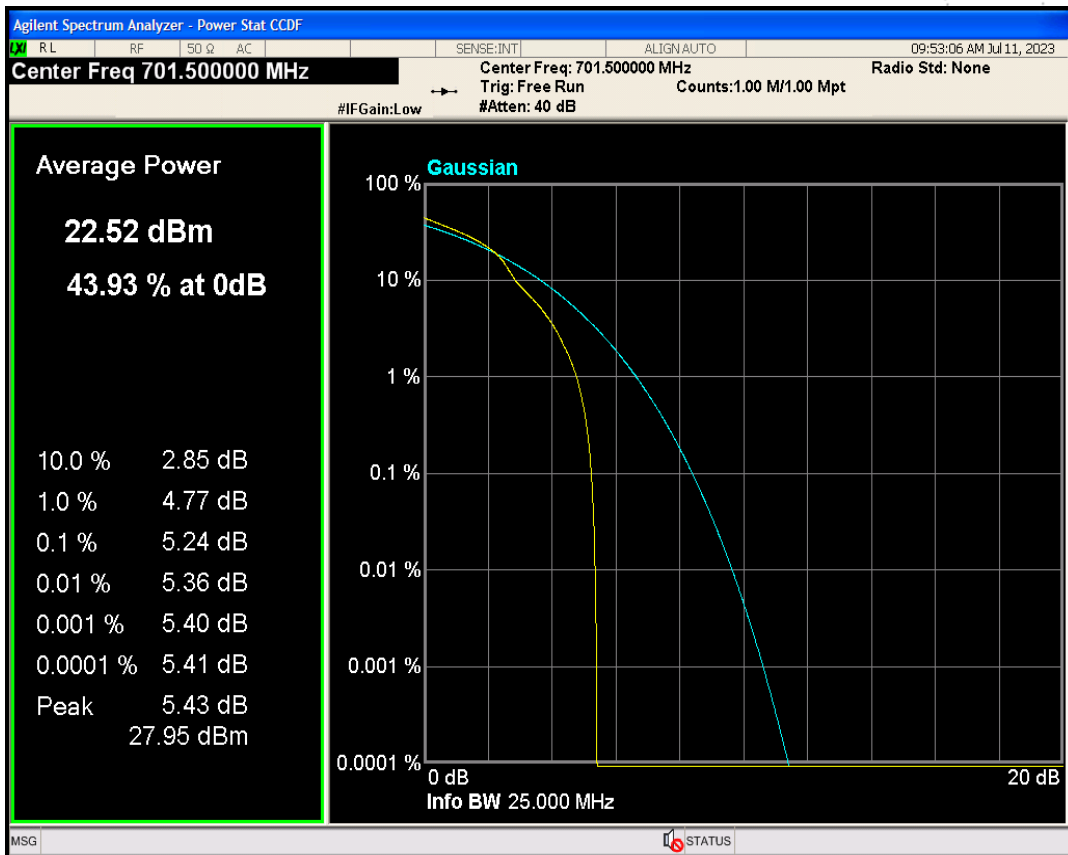
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



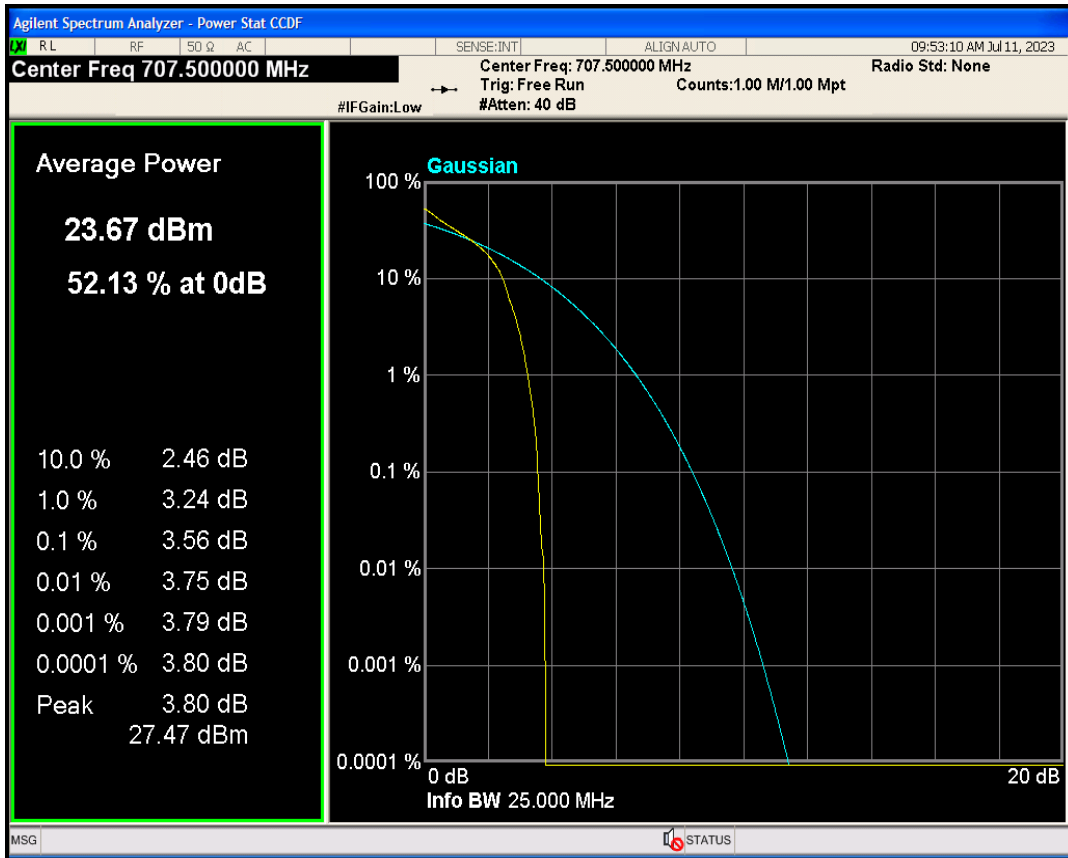
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



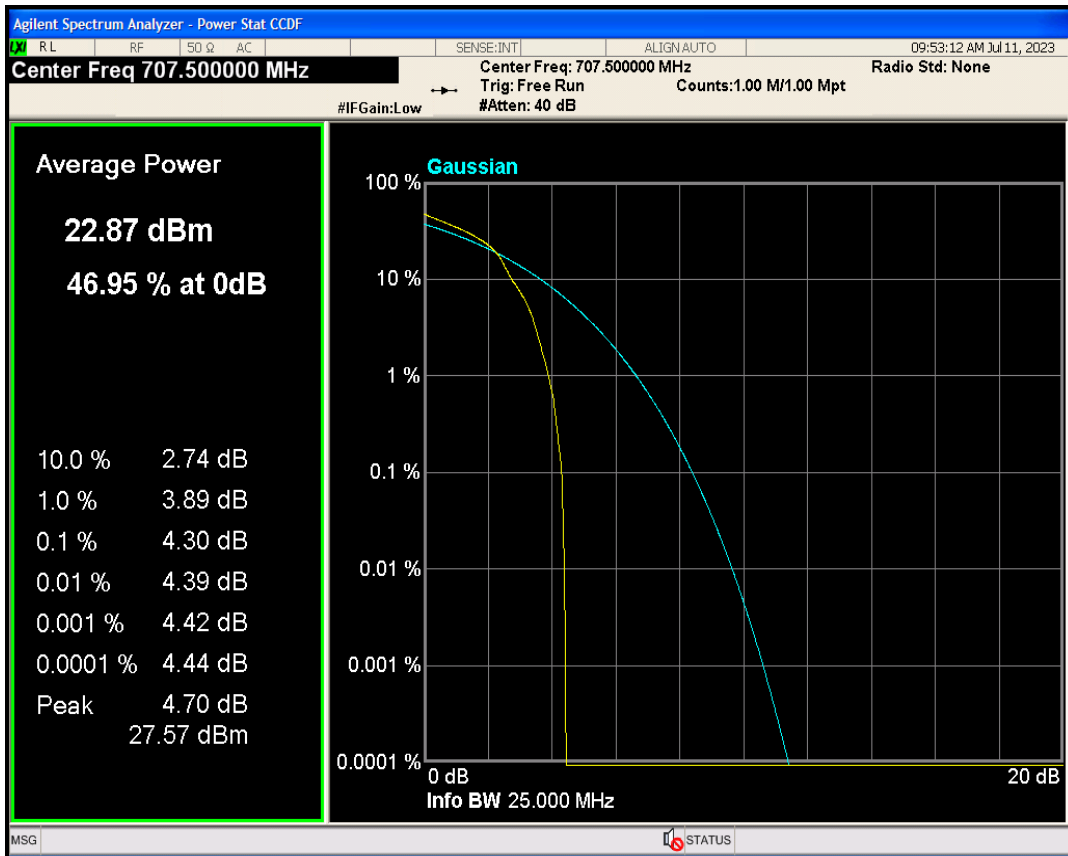
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



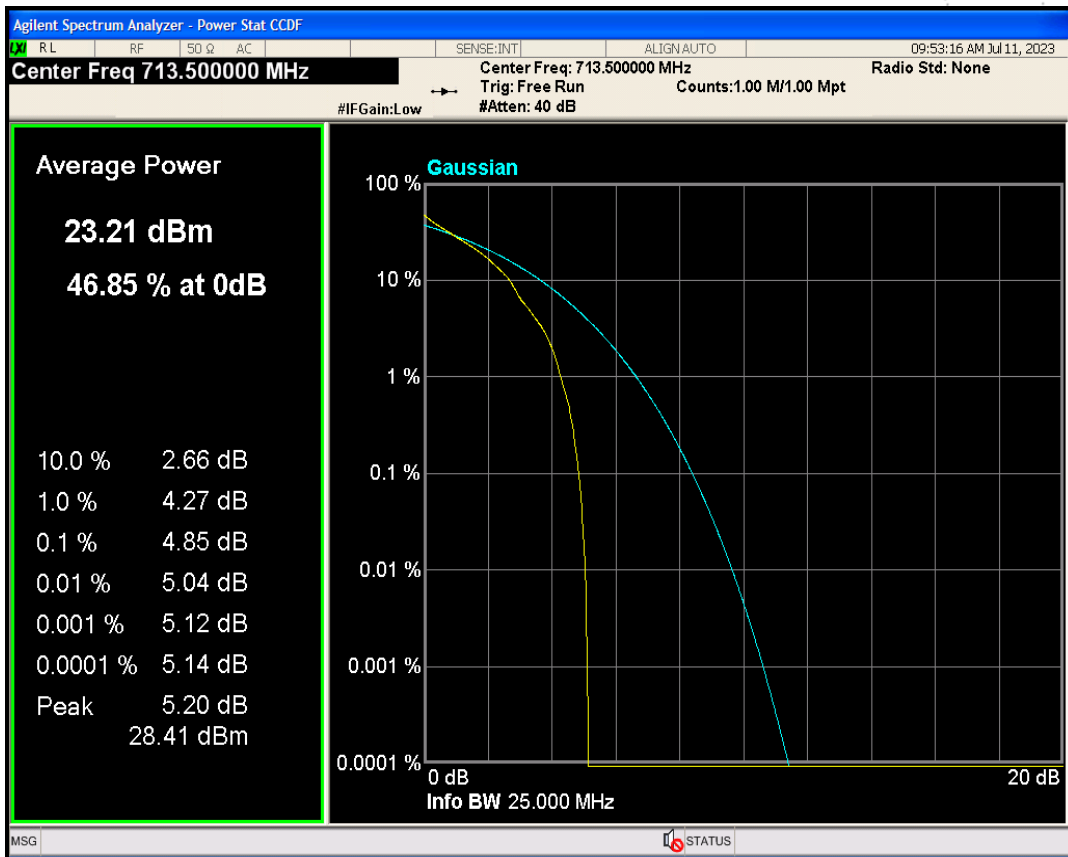
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



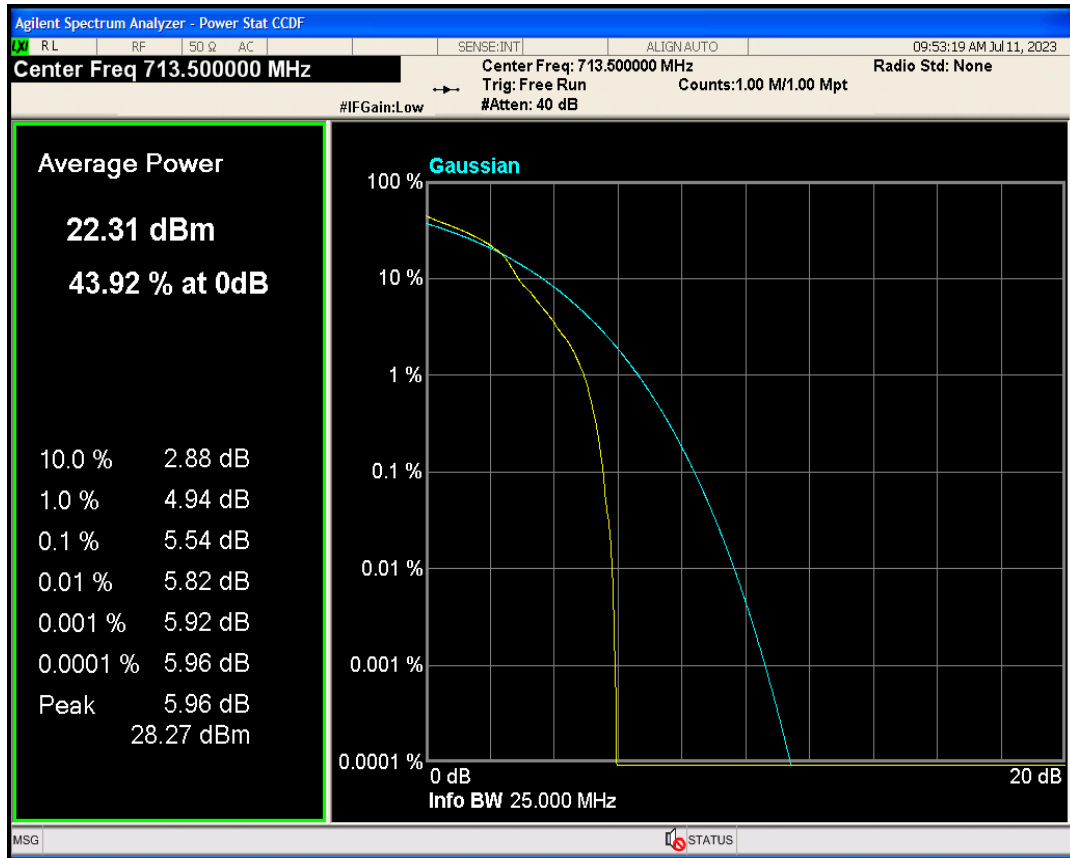
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



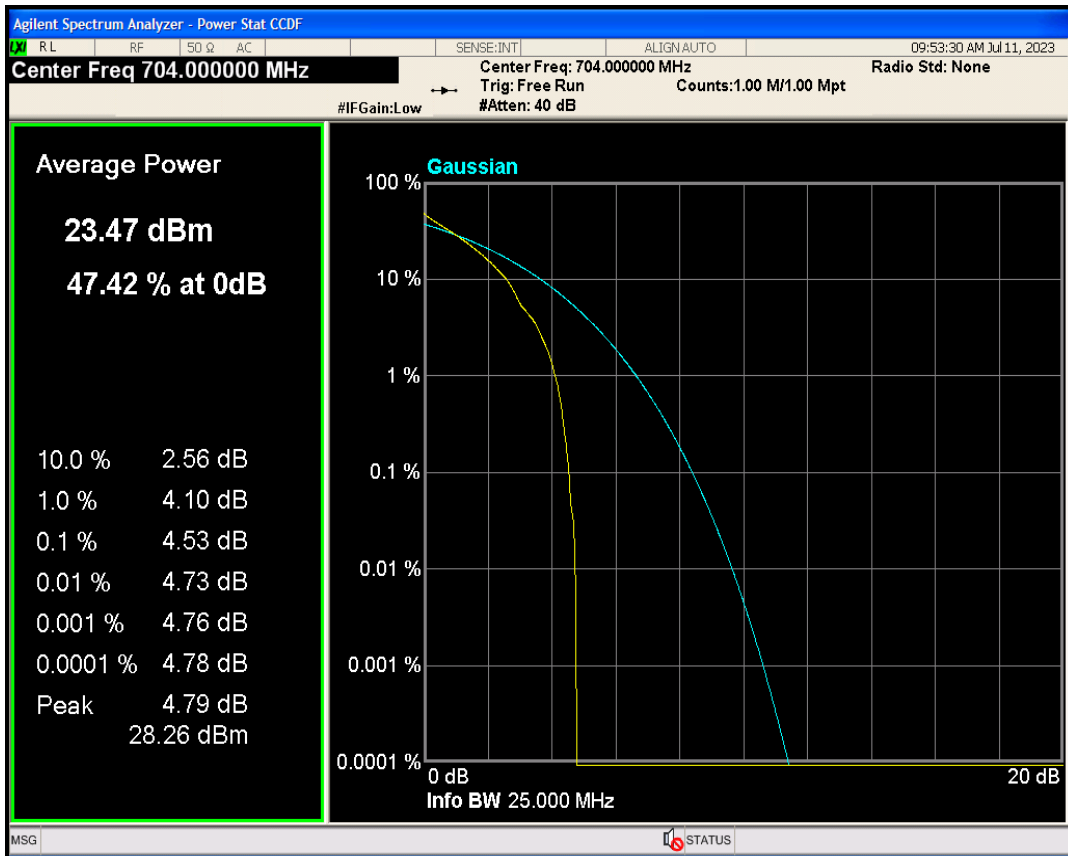
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



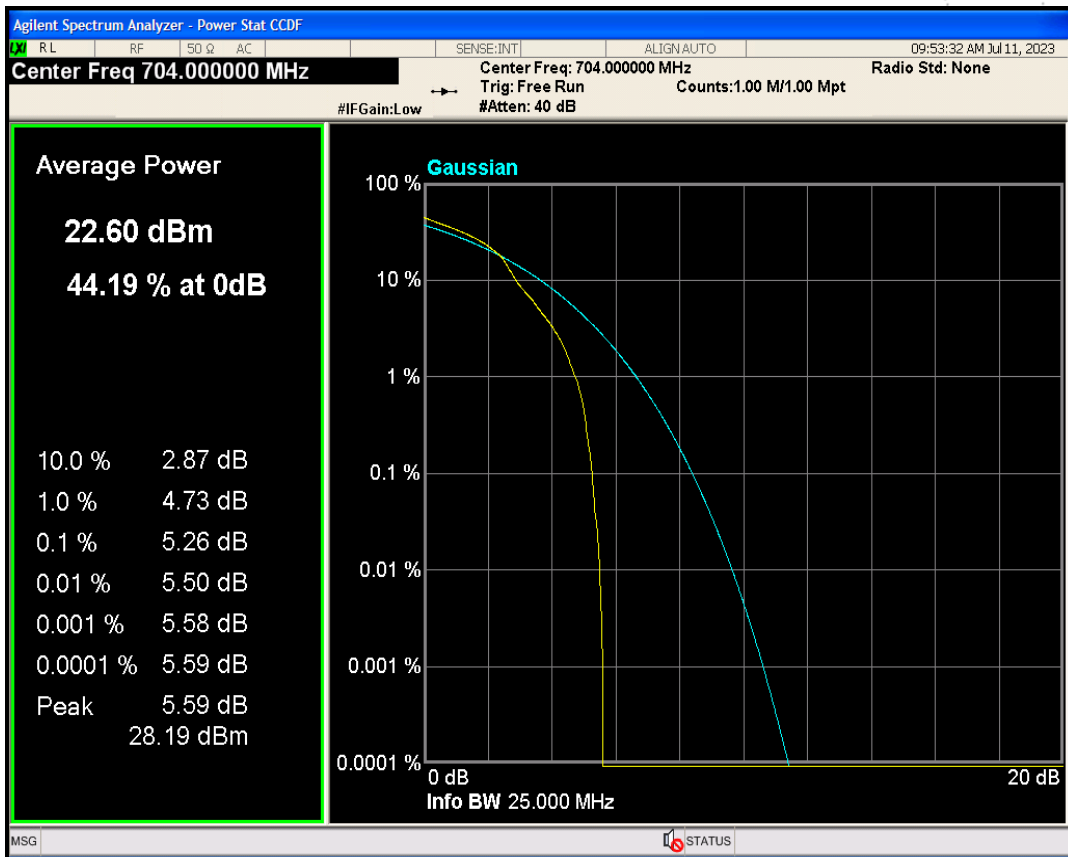
Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



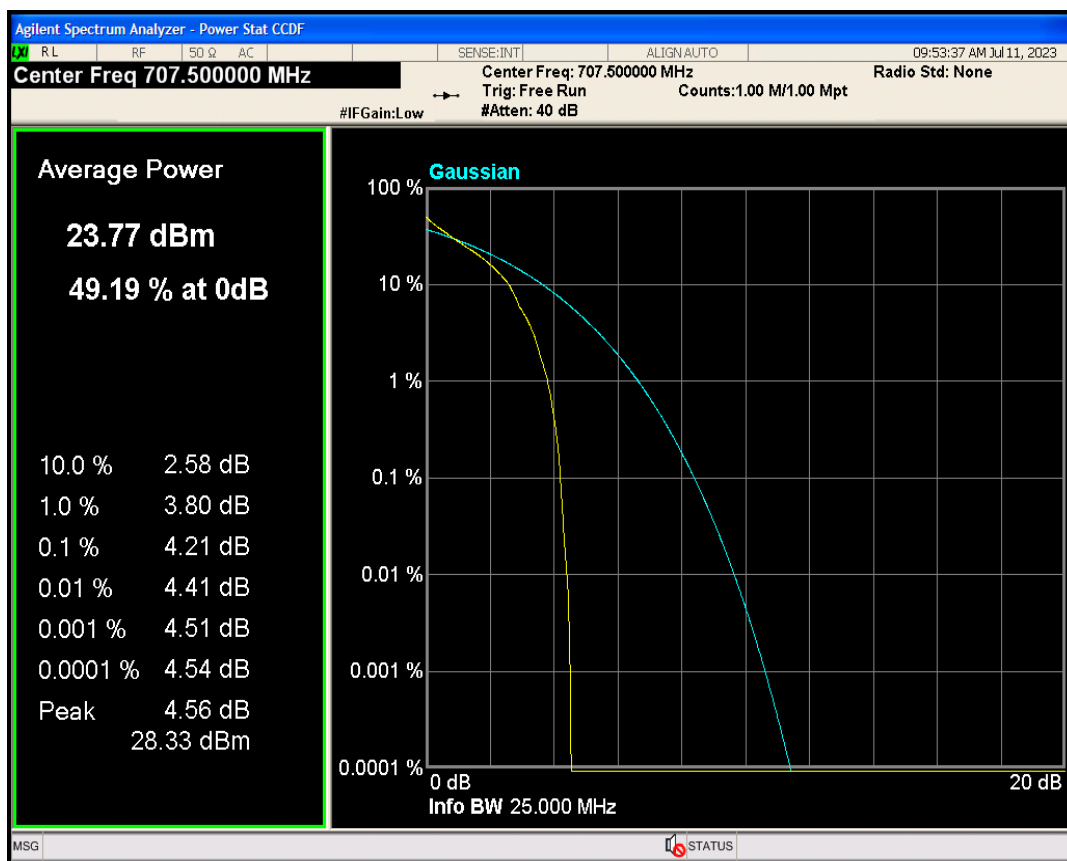
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



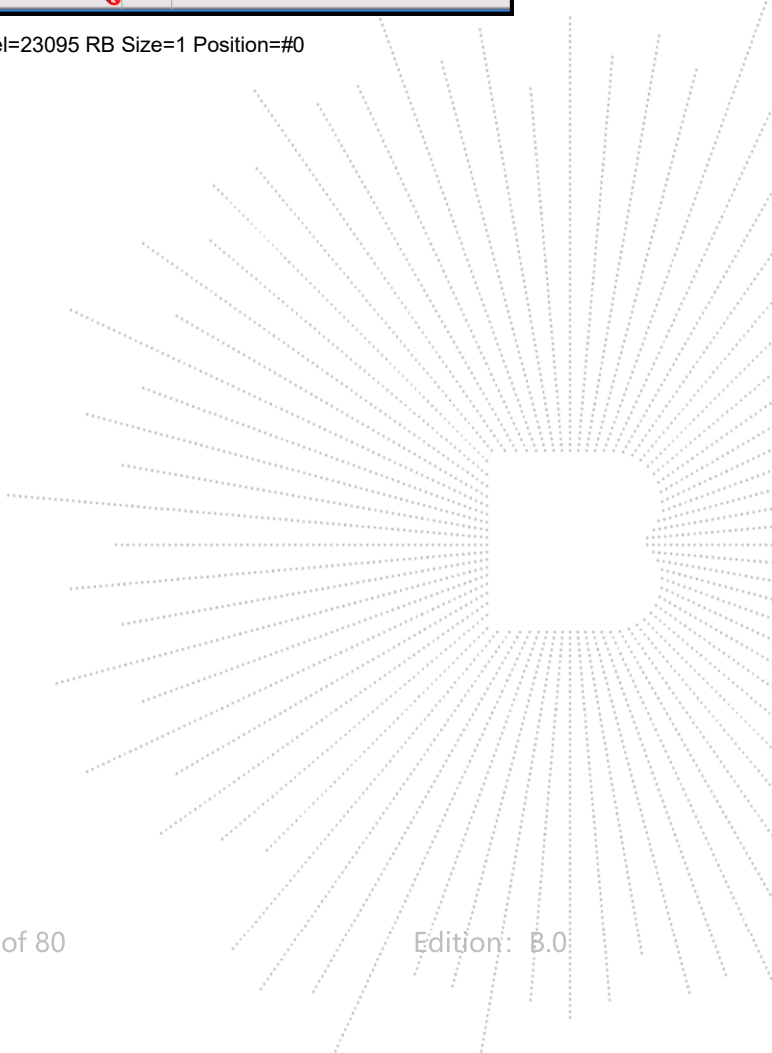
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0

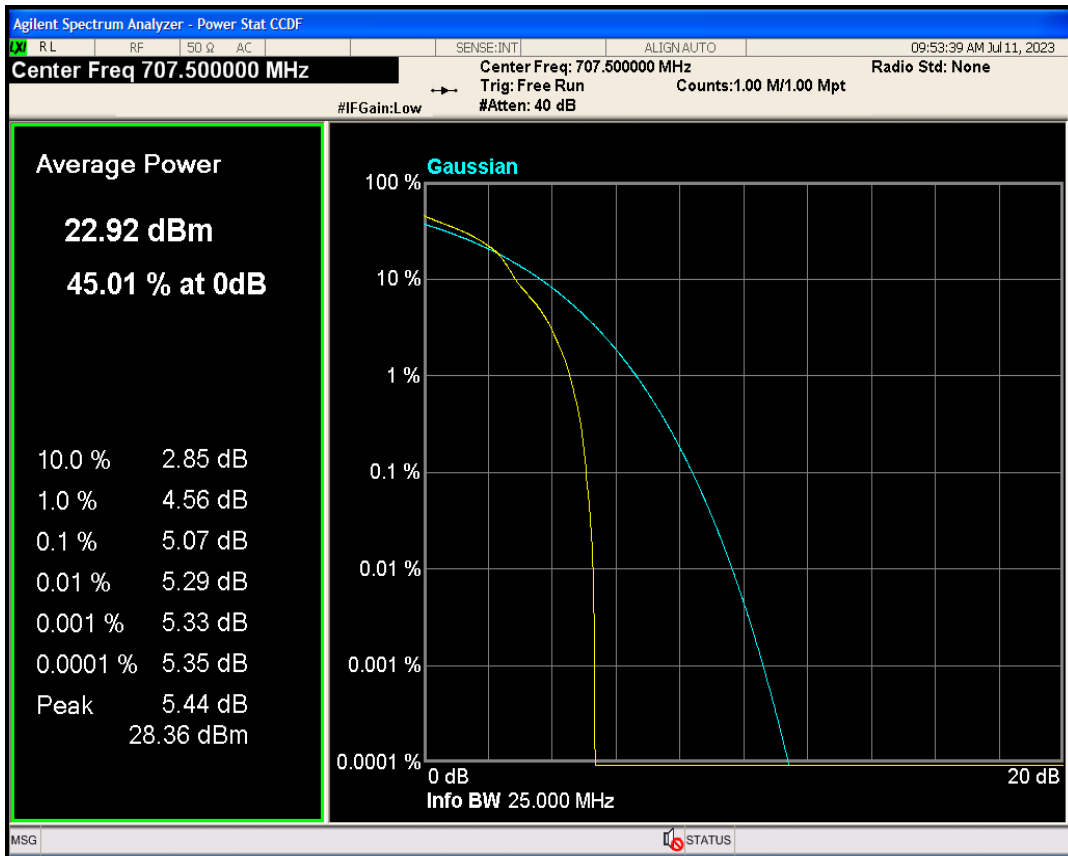


Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0

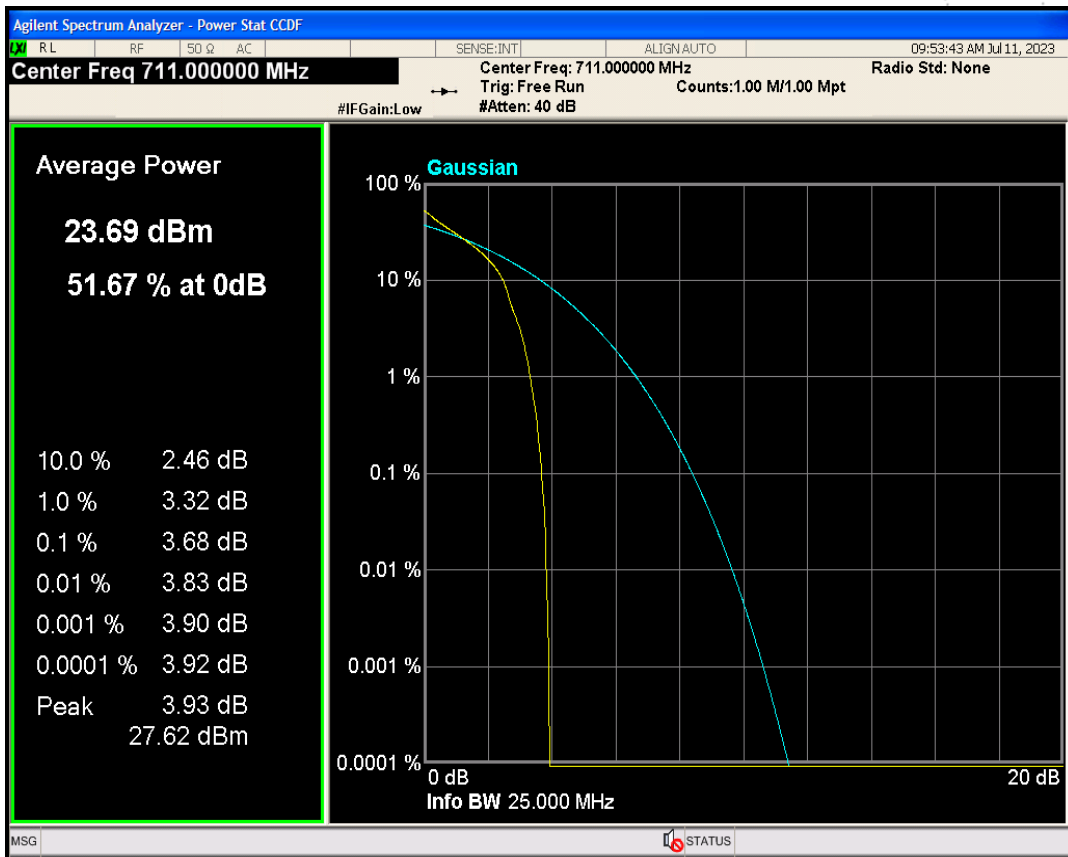


Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0

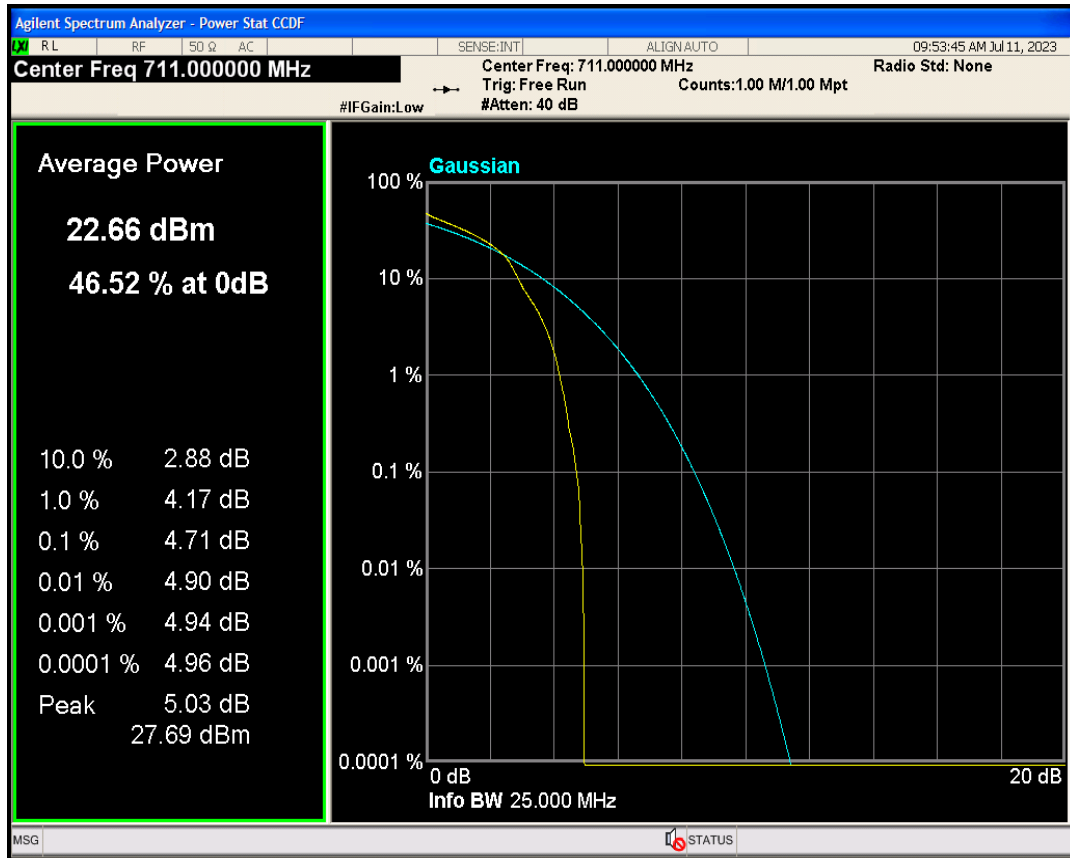




Band12 QPSK BW=10MHz Channel=23130 RB Size=1 Position=#0



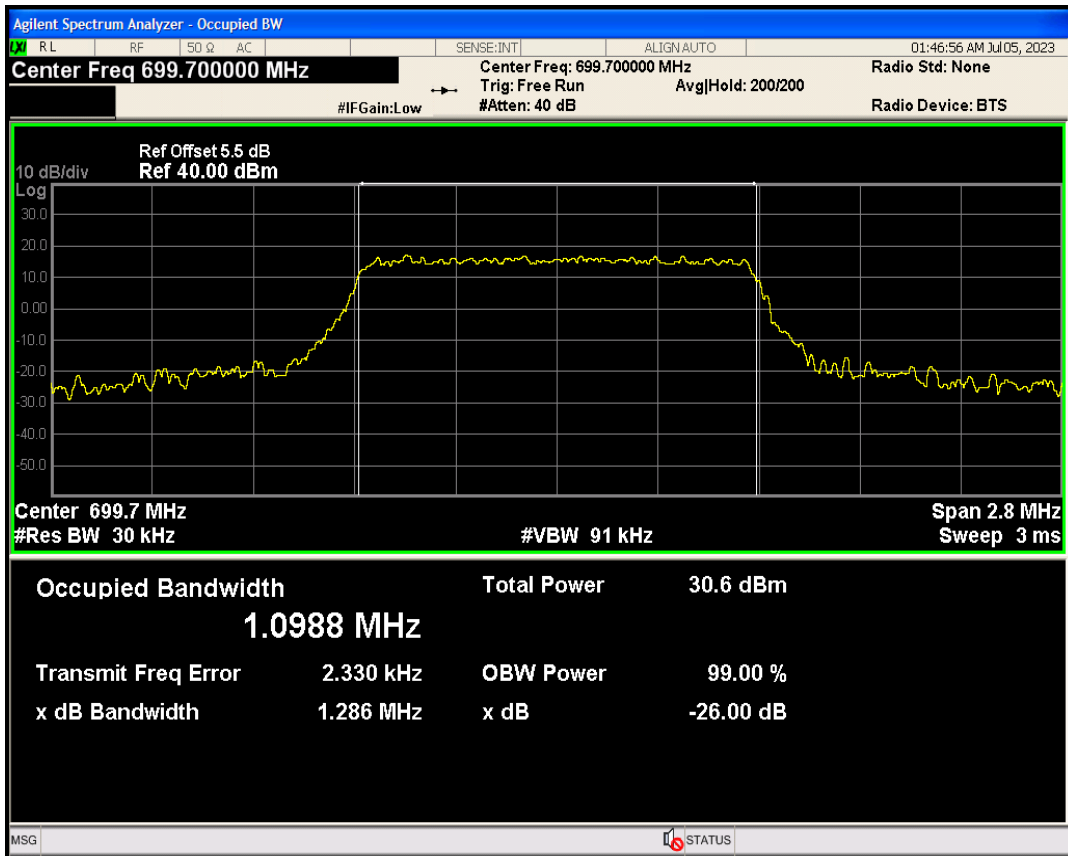
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



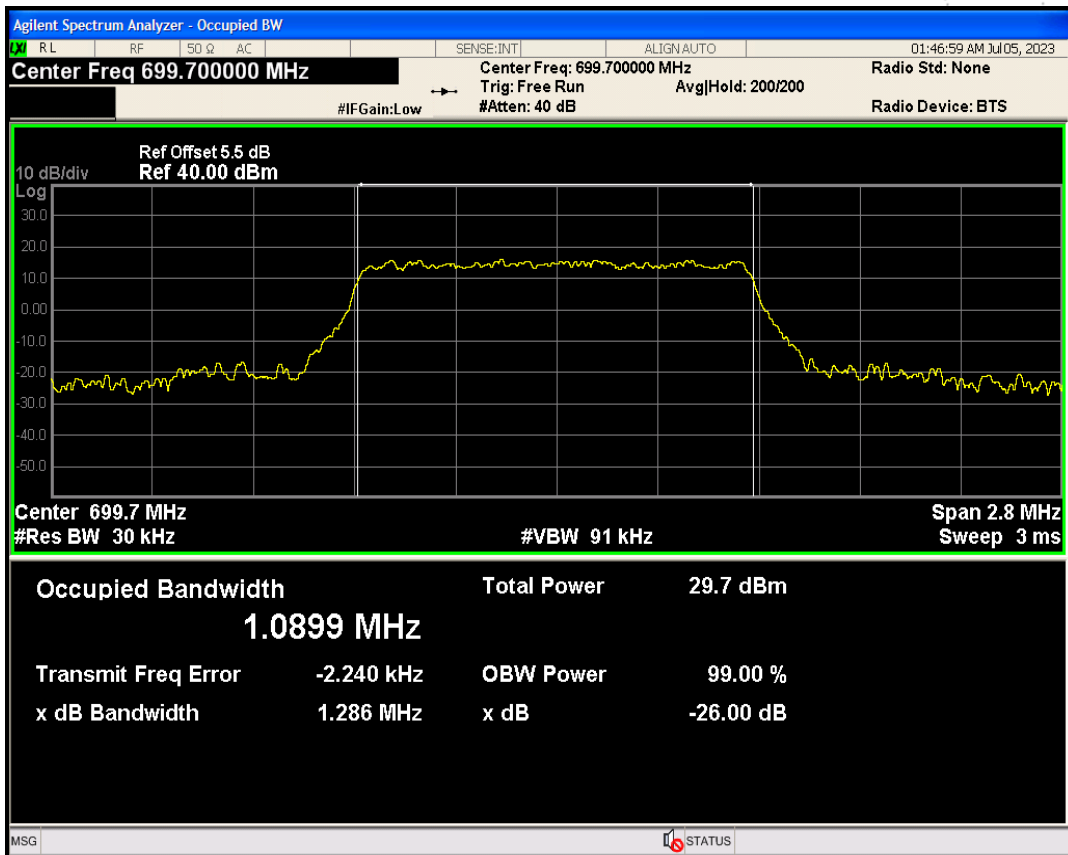
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.099	1.286	PASS
Band12	1.4	23017	6	#0	16QAM	1.090	1.286	PASS
Band12	1.4	23095	6	#0	QPSK	1.103	1.271	PASS
Band12	1.4	23095	6	#0	16QAM	1.095	1.294	PASS
Band12	1.4	23173	6	#0	QPSK	1.086	1.270	PASS
Band12	1.4	23173	6	#0	16QAM	1.093	1.295	PASS
Band12	3	23025	15	#0	QPSK	2.689	2.919	PASS
Band12	3	23025	15	#0	16QAM	2.683	2.941	PASS
Band12	3	23095	15	#0	QPSK	2.689	2.908	PASS
Band12	3	23095	15	#0	16QAM	2.689	2.920	PASS
Band12	3	23165	15	#0	QPSK	2.702	2.924	PASS
Band12	3	23165	15	#0	16QAM	2.689	2.921	PASS
Band12	5	23035	25	#0	QPSK	4.533	5.175	PASS
Band12	5	23035	25	#0	16QAM	4.545	5.191	PASS
Band12	5	23095	25	#0	QPSK	4.529	5.154	PASS
Band12	5	23095	25	#0	16QAM	4.526	5.113	PASS
Band12	5	23155	25	#0	QPSK	4.531	5.140	PASS
Band12	5	23155	25	#0	16QAM	4.529	5.125	PASS
Band12	10	23060	50	#0	QPSK	8.998	10.022	PASS
Band12	10	23060	50	#0	16QAM	9.010	9.946	PASS
Band12	10	23095	50	#0	QPSK	9.027	9.967	PASS
Band12	10	23095	50	#0	16QAM	9.019	10.013	PASS
Band12	10	23130	50	#0	QPSK	9.001	10.056	PASS
Band12	10	23130	50	#0	16QAM	9.010	10.021	PASS

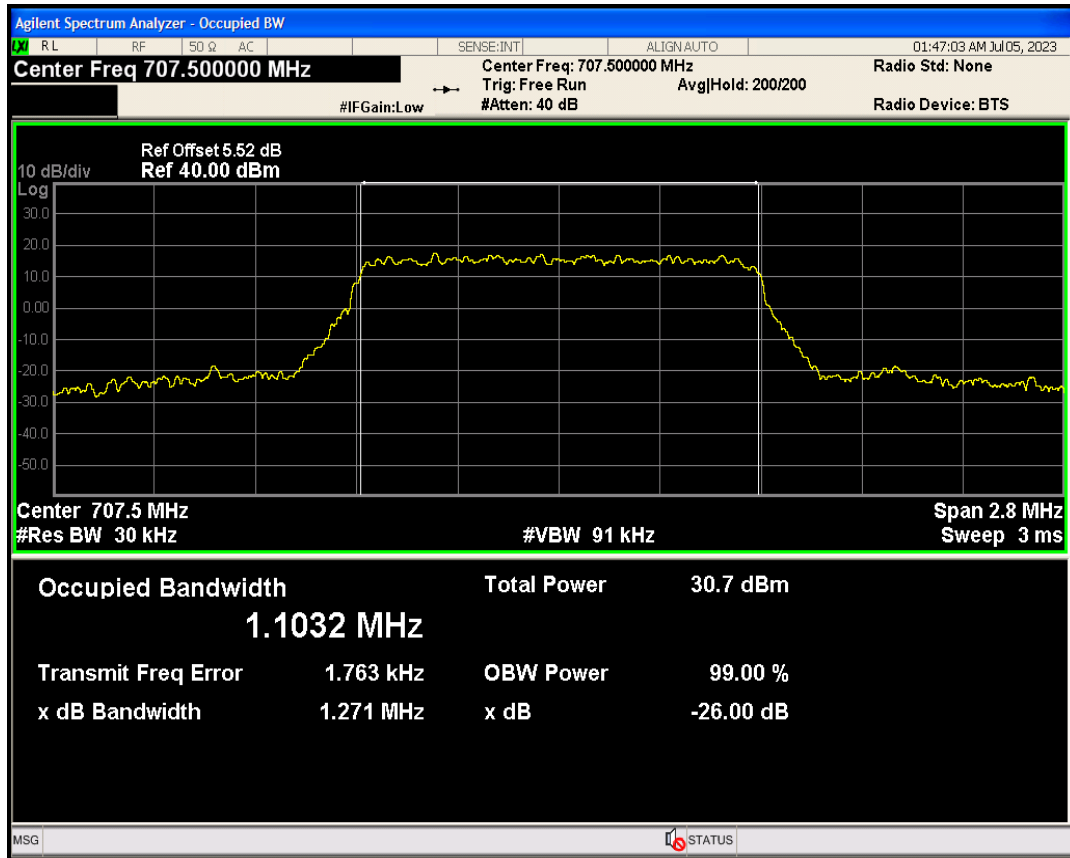
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



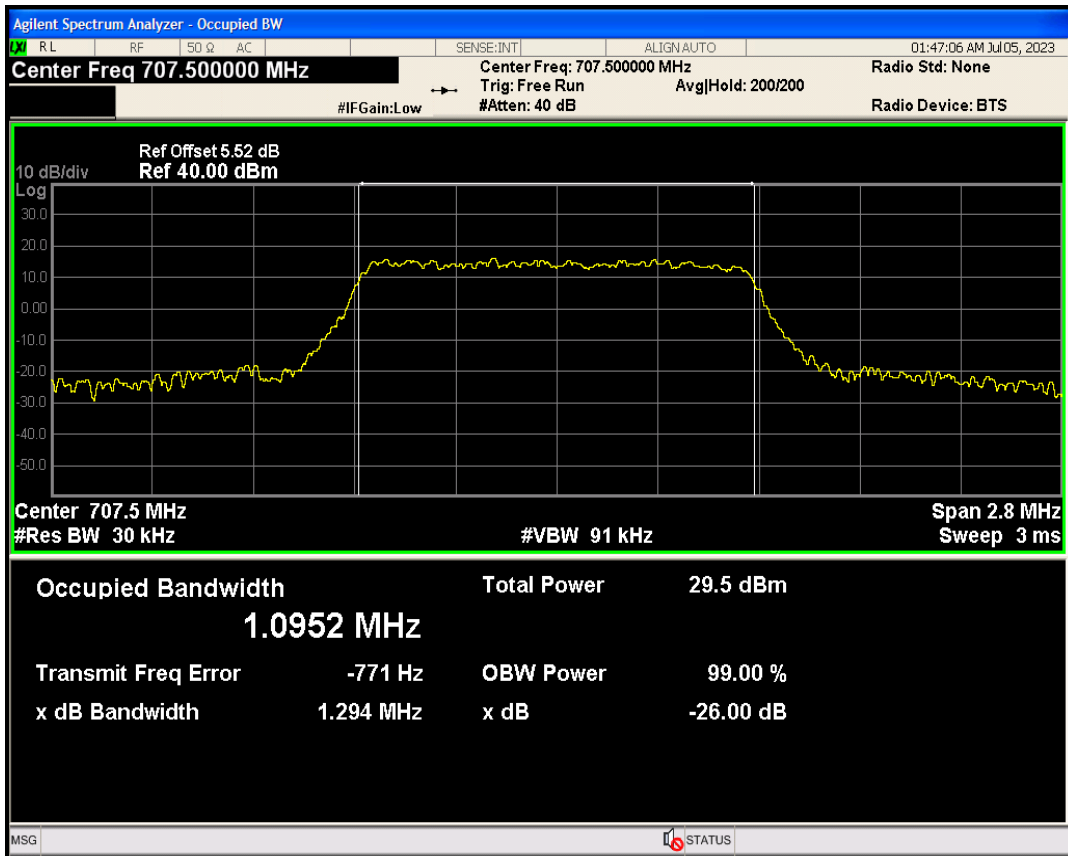
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



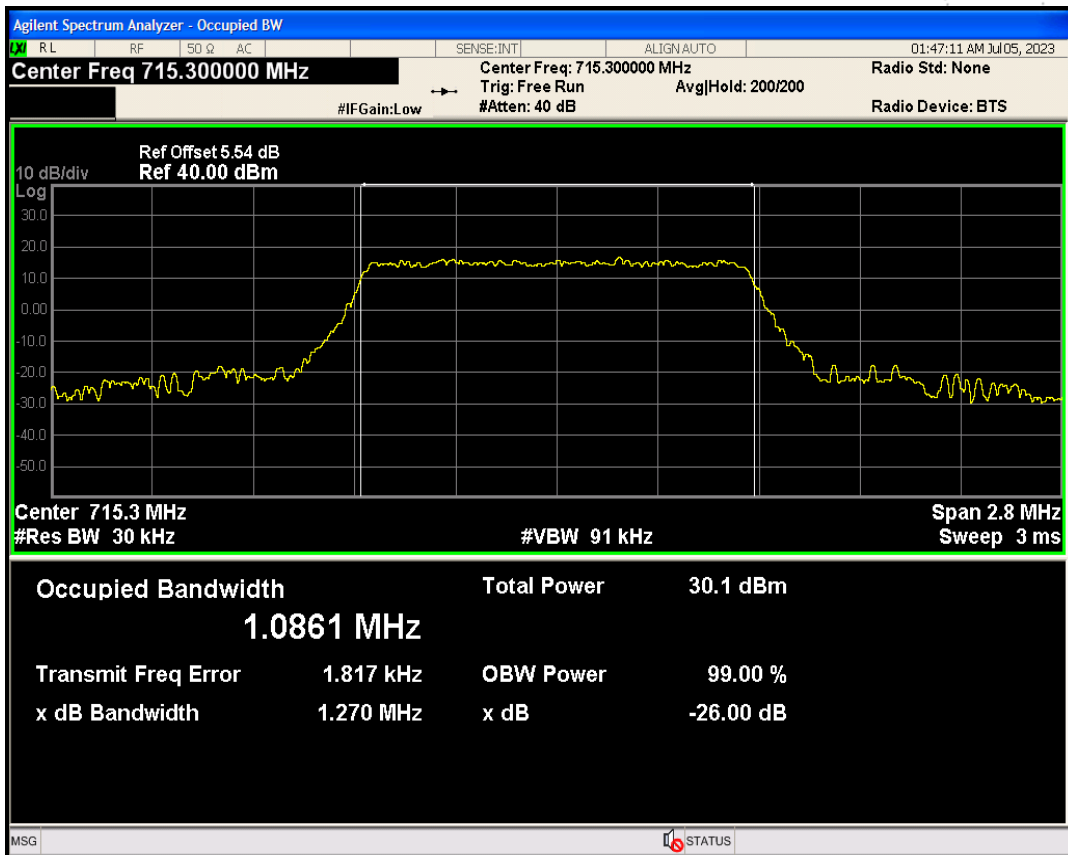
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



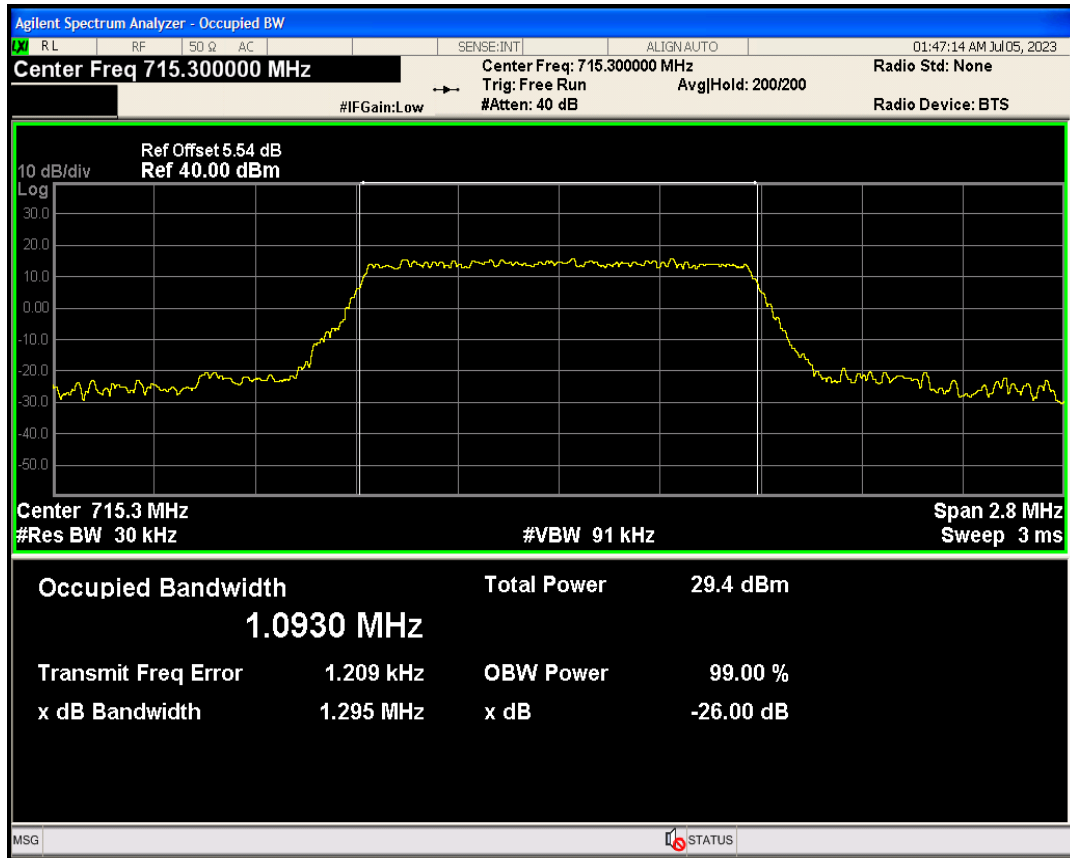
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



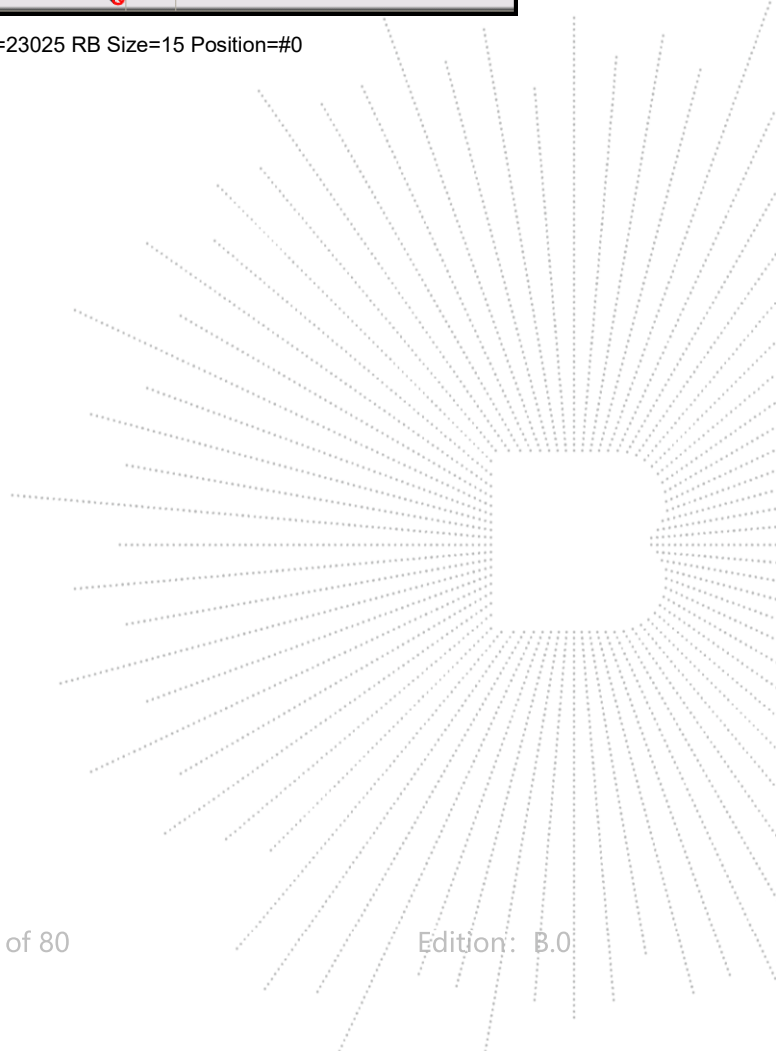
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0

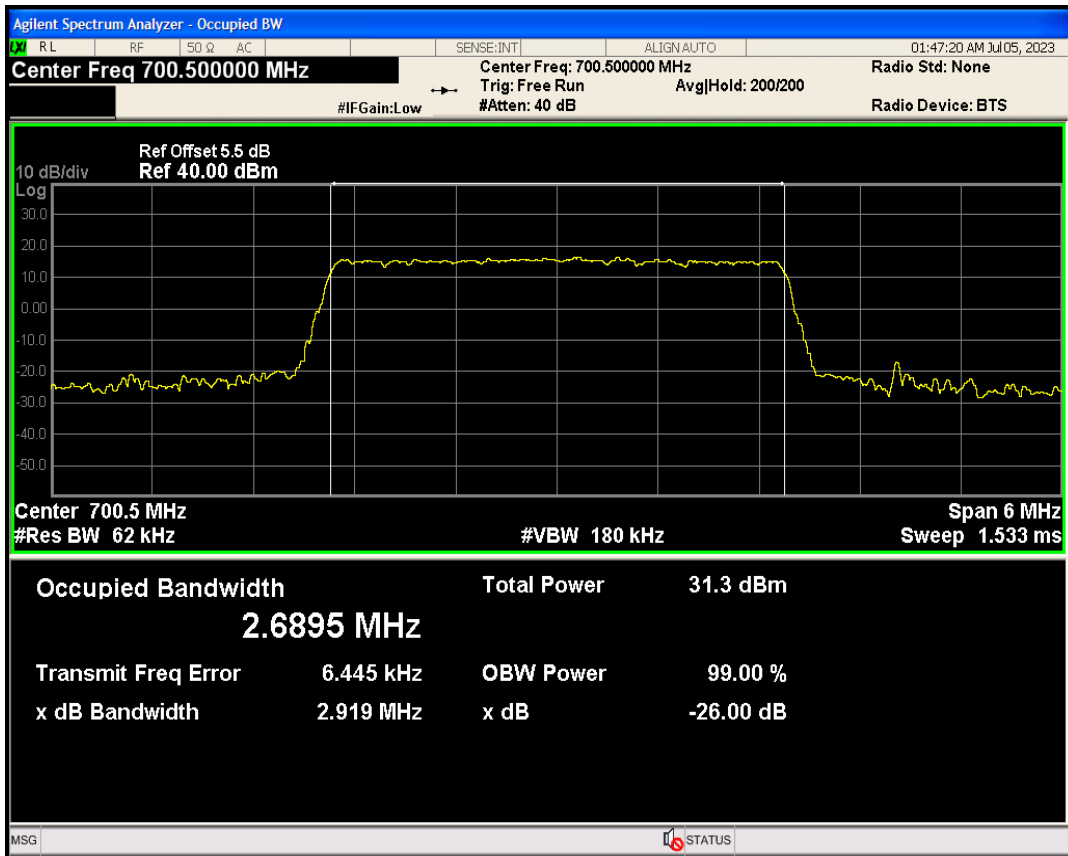


Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0

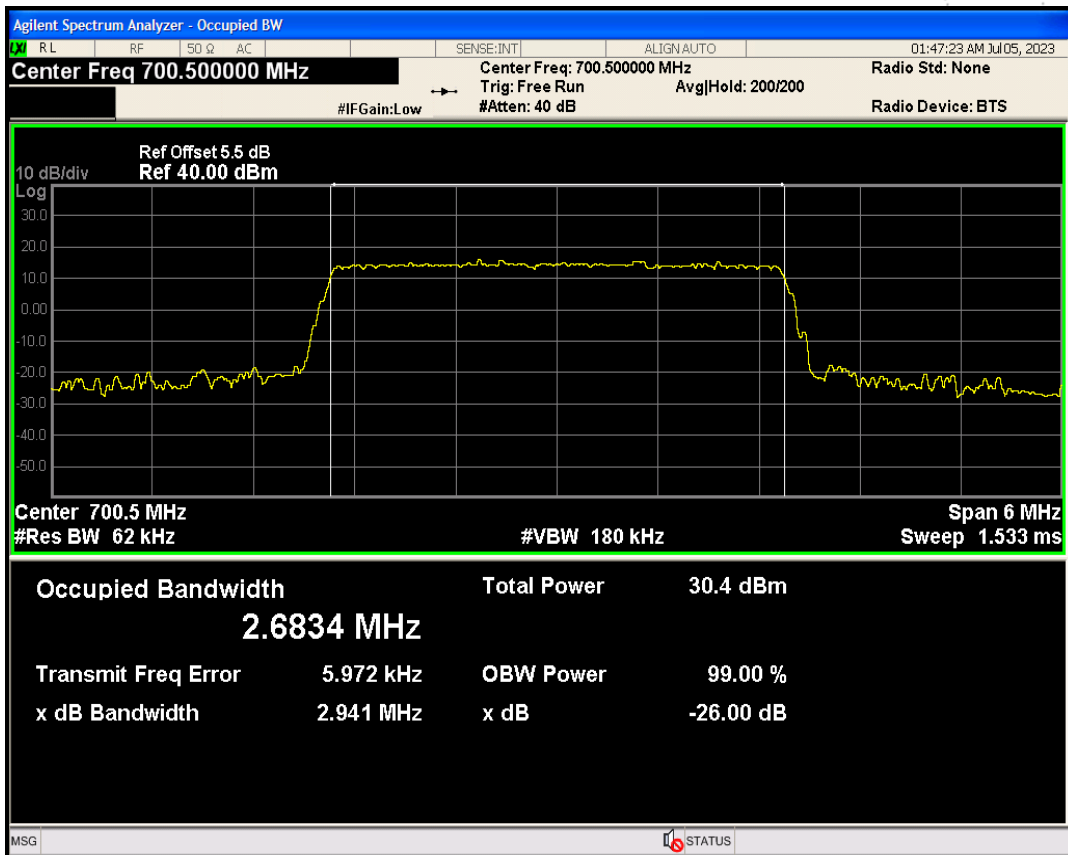


Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0

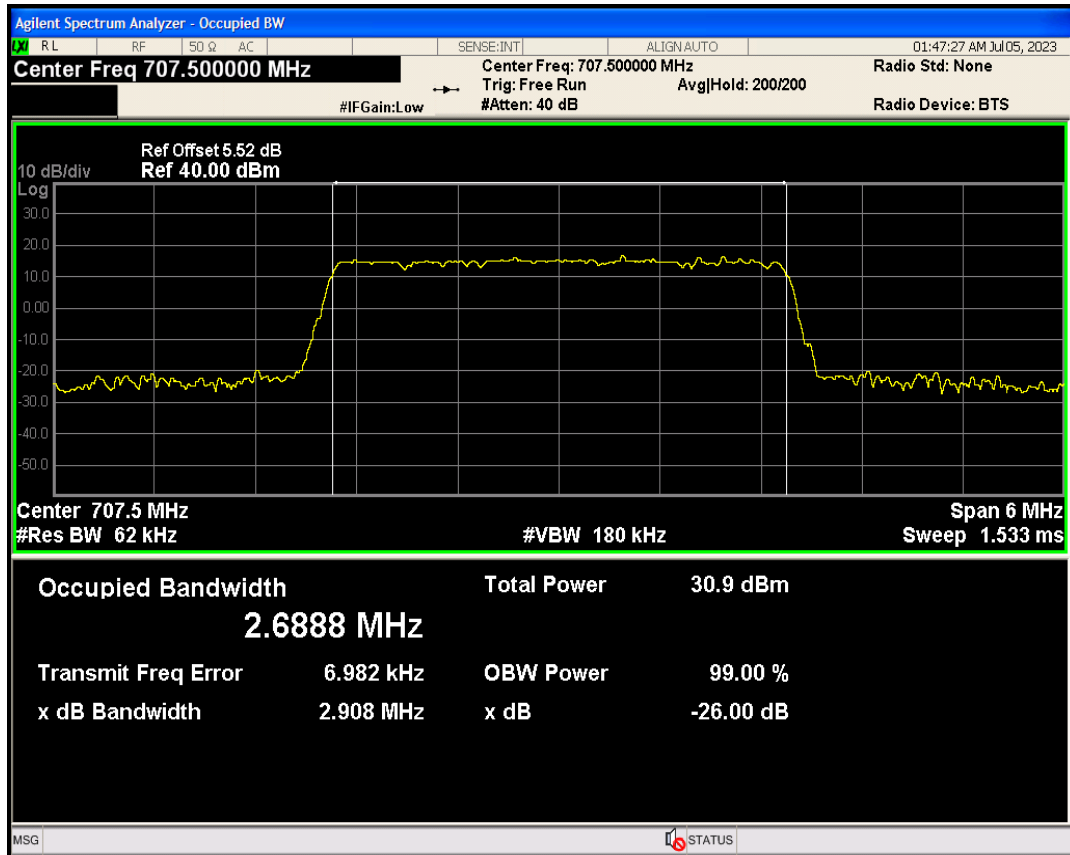




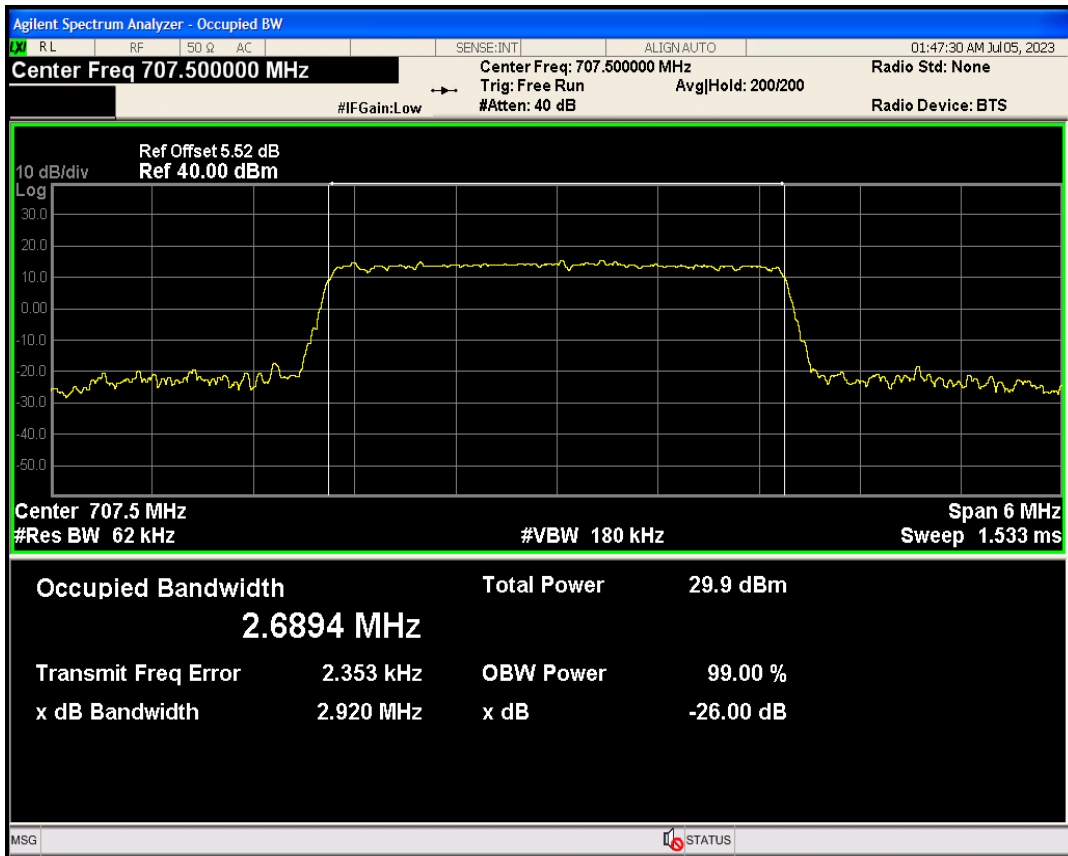
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



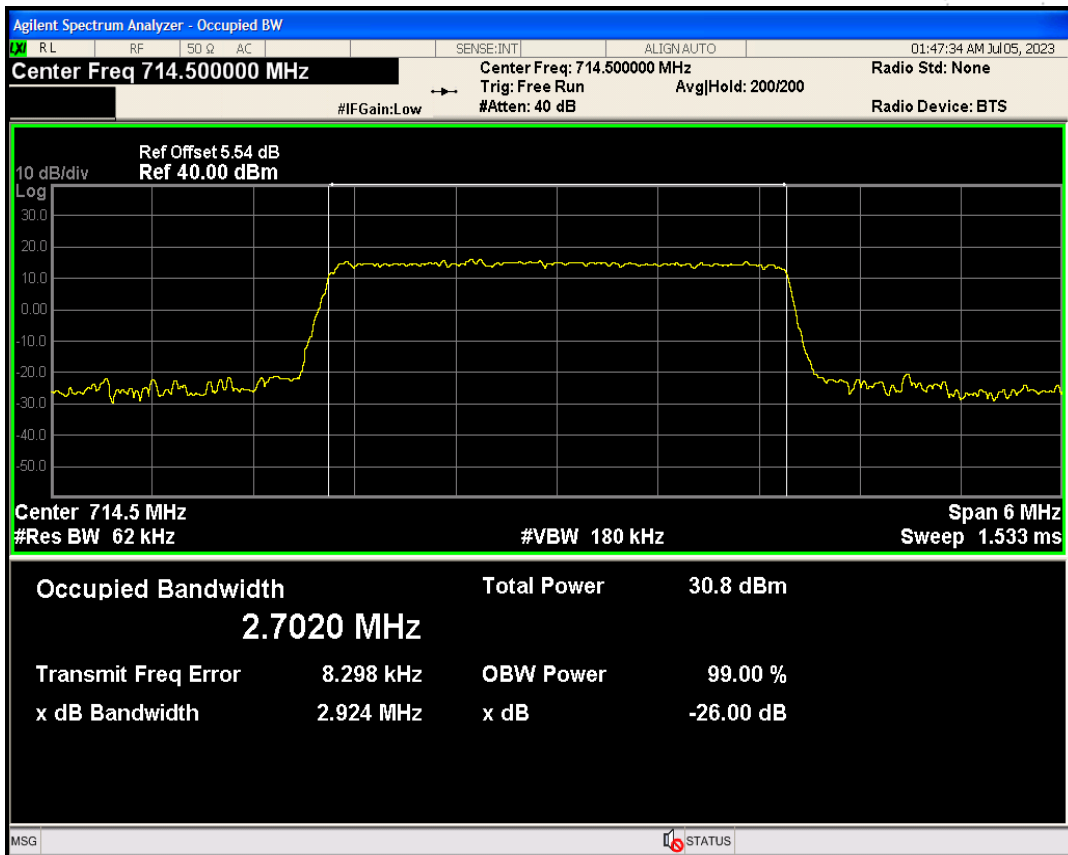
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



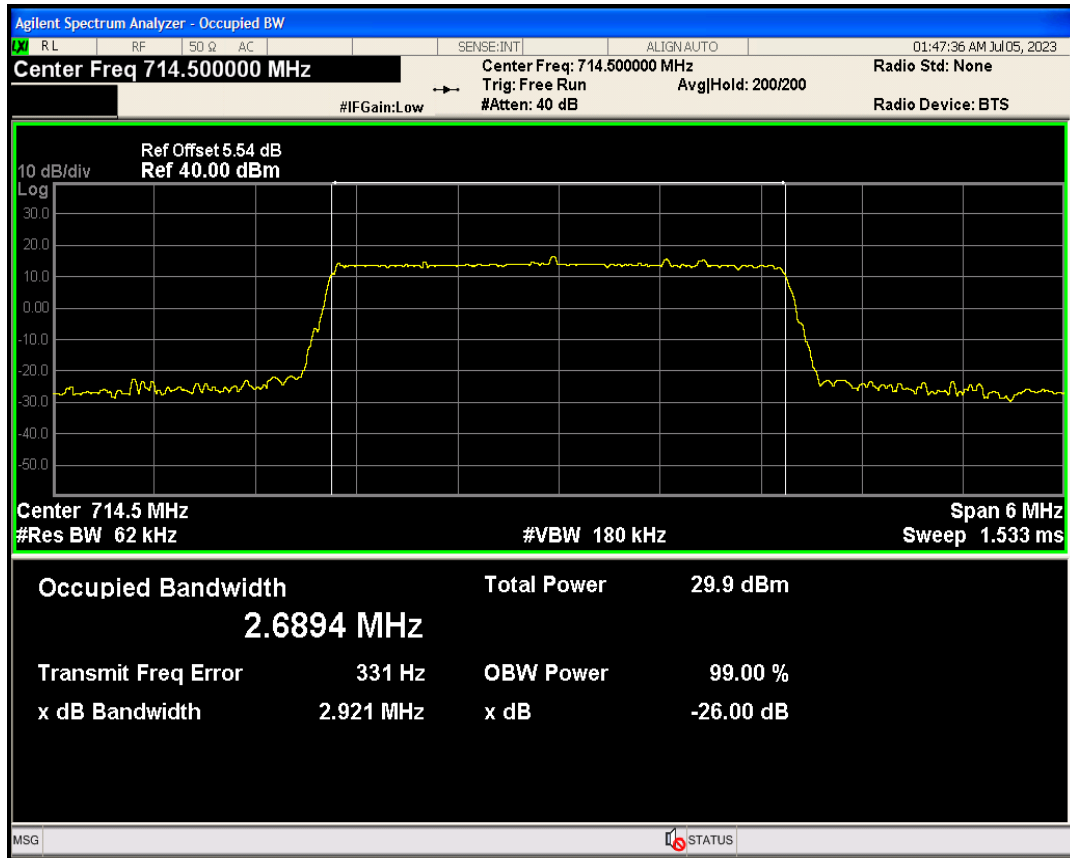
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



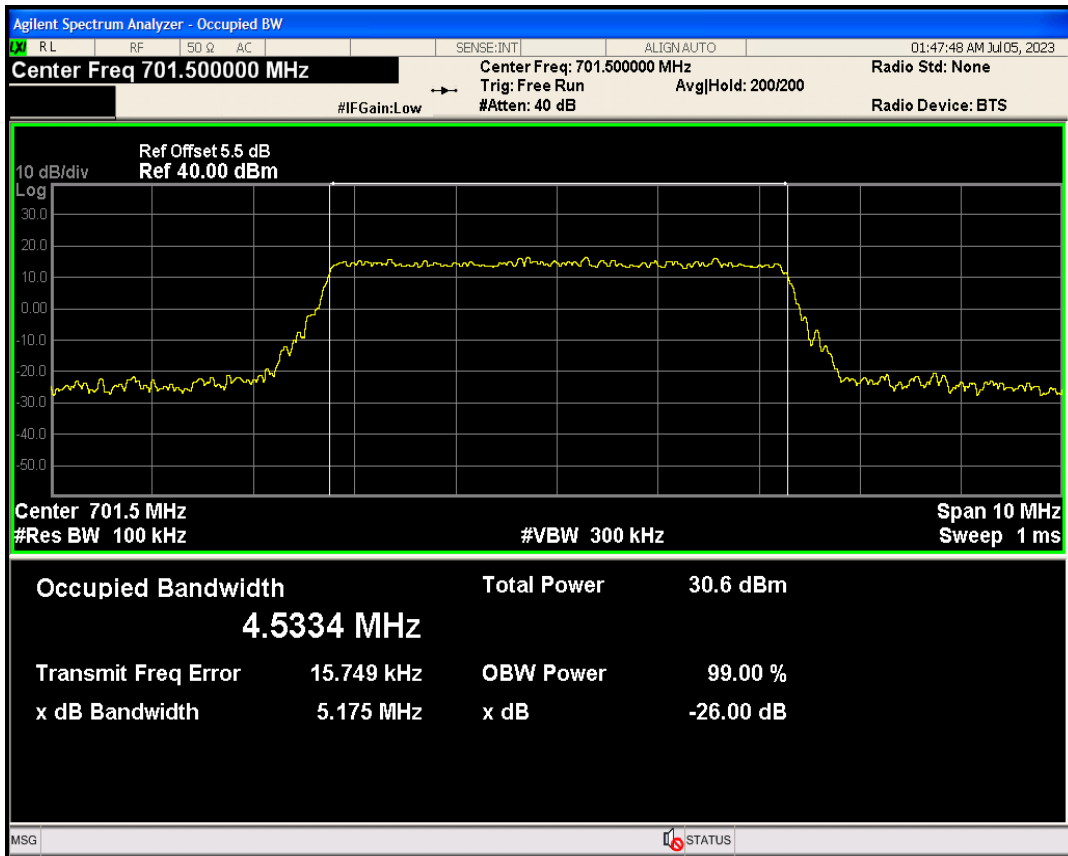
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



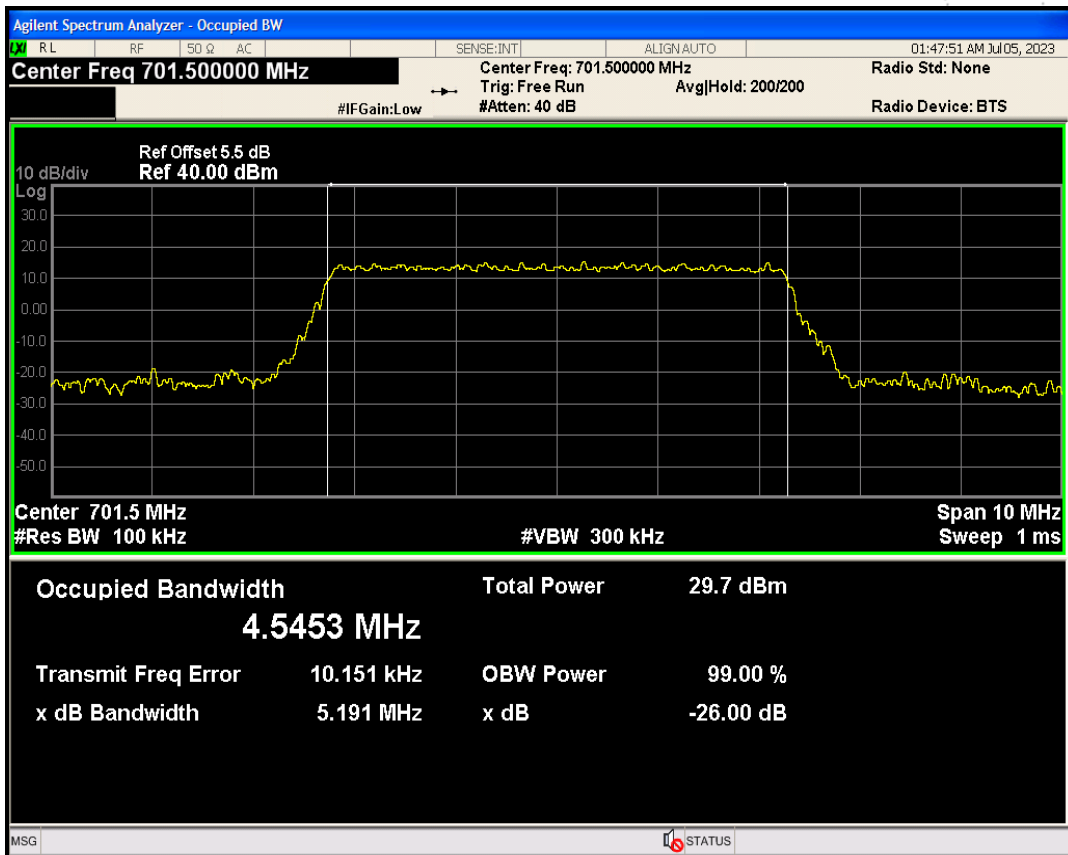
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



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

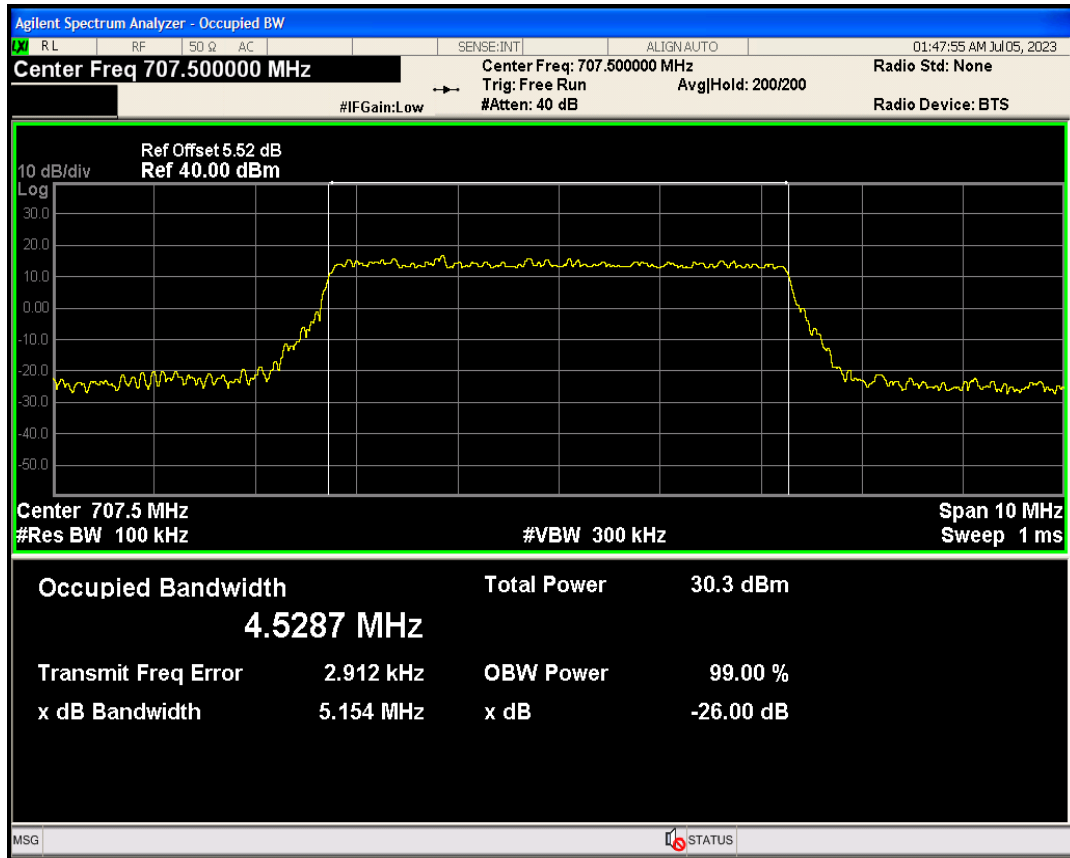


Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0

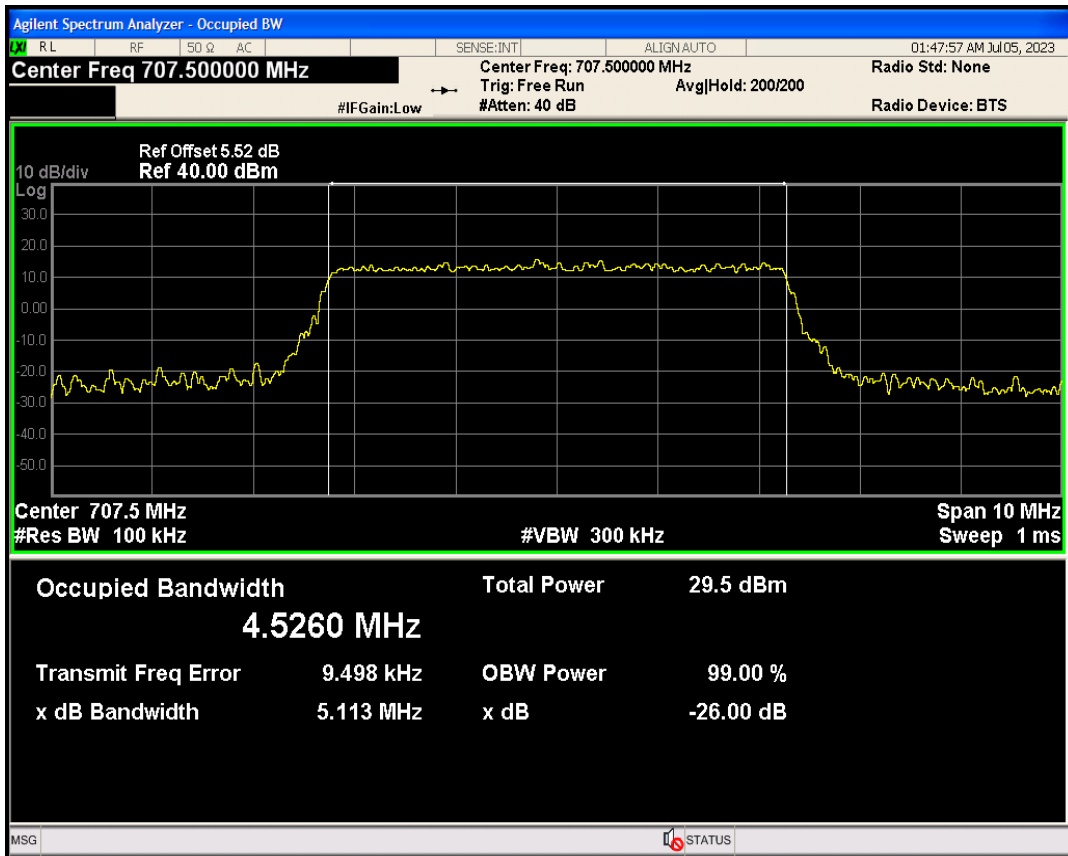




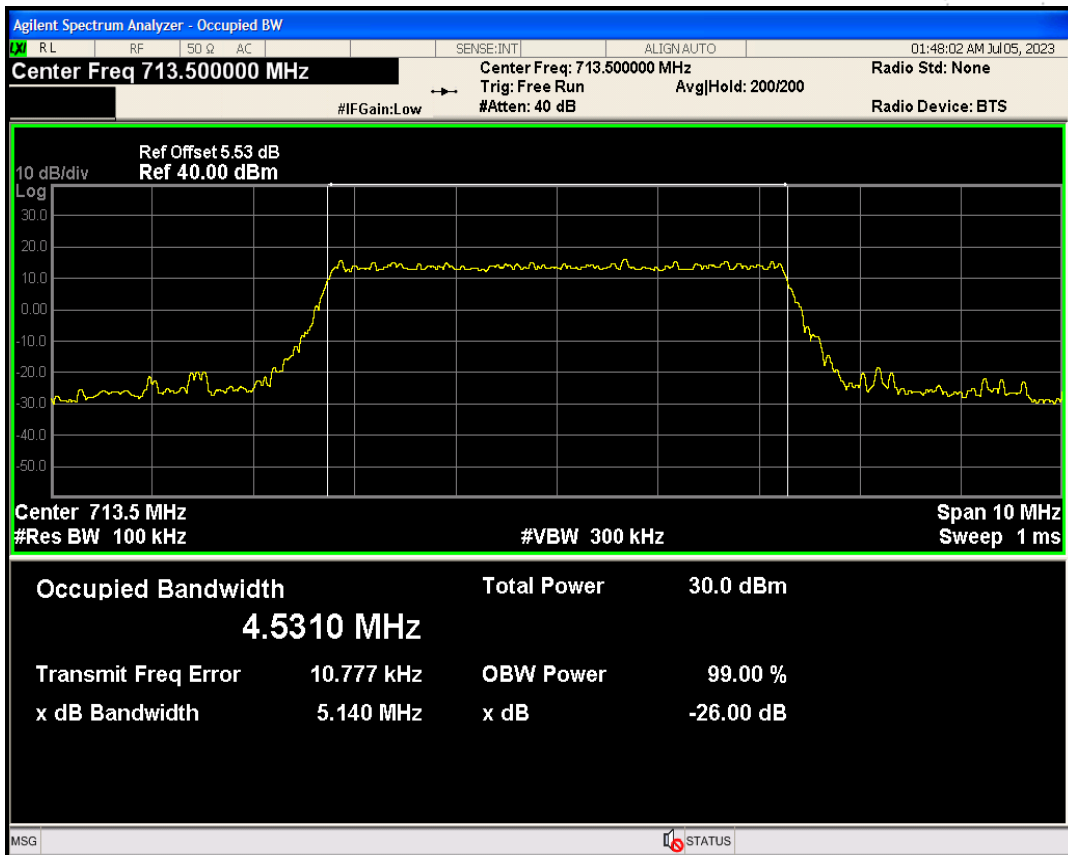
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



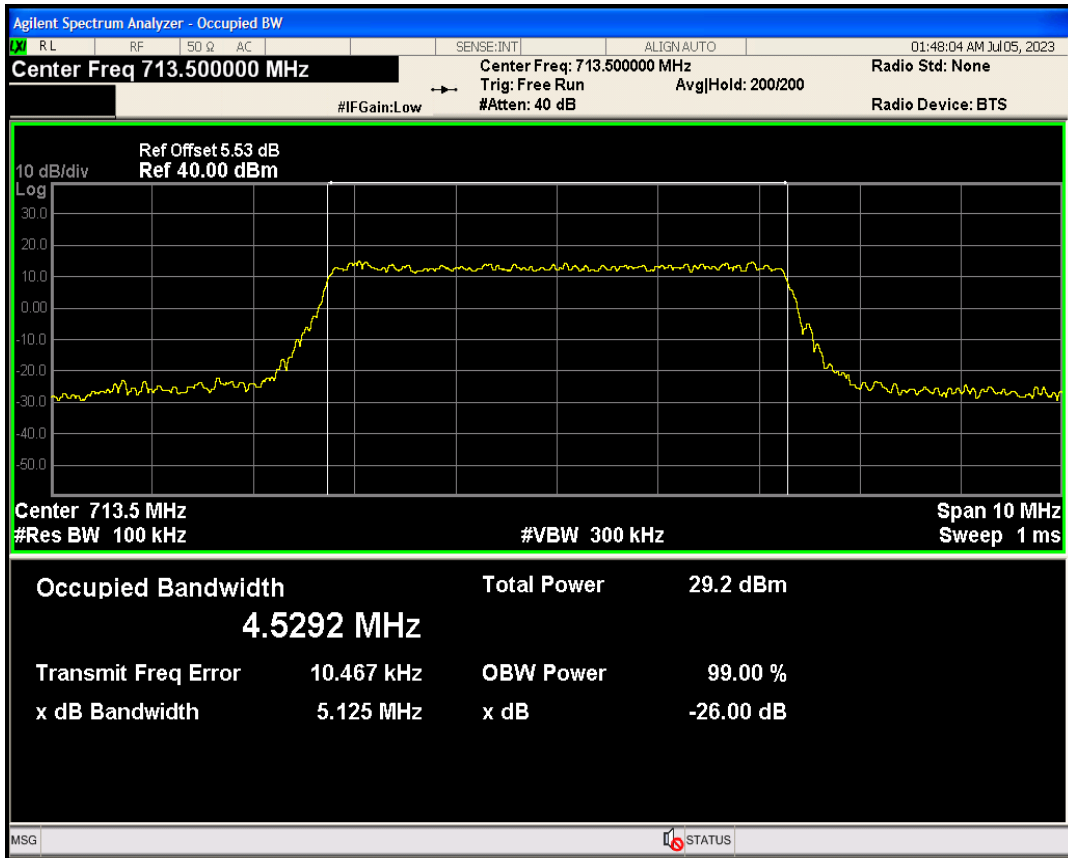
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



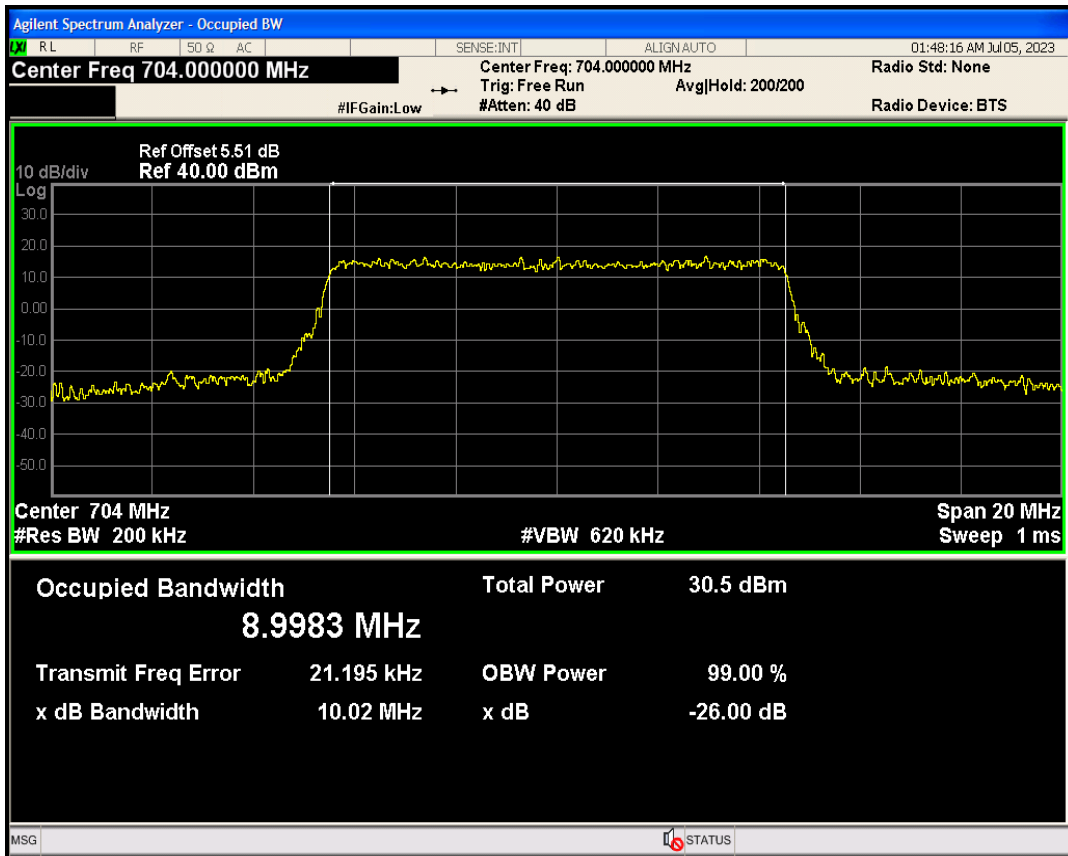
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



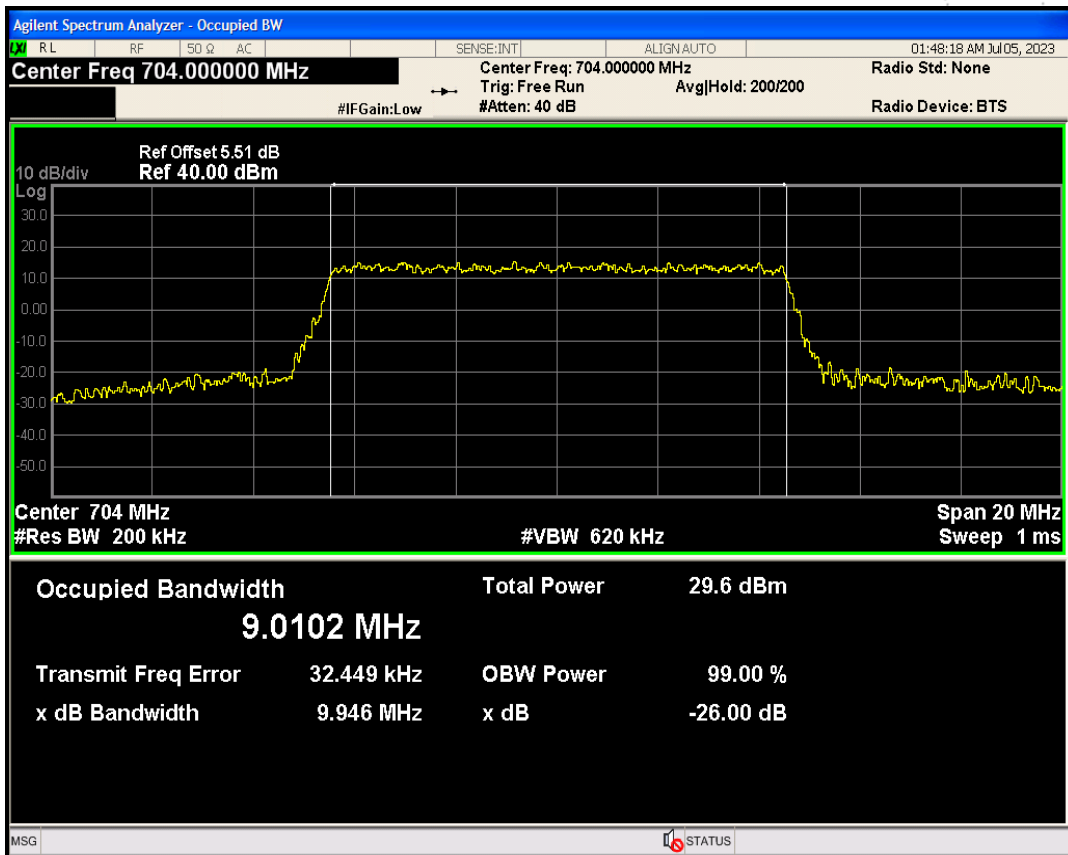
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



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

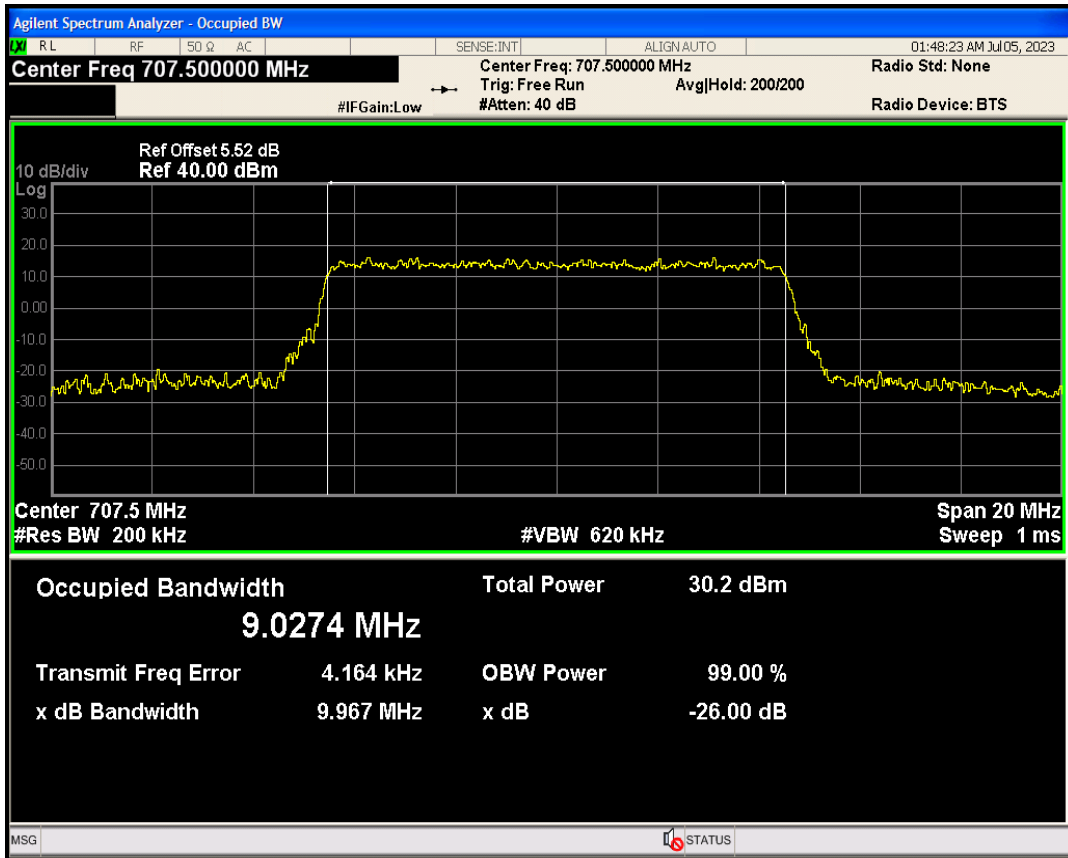


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0

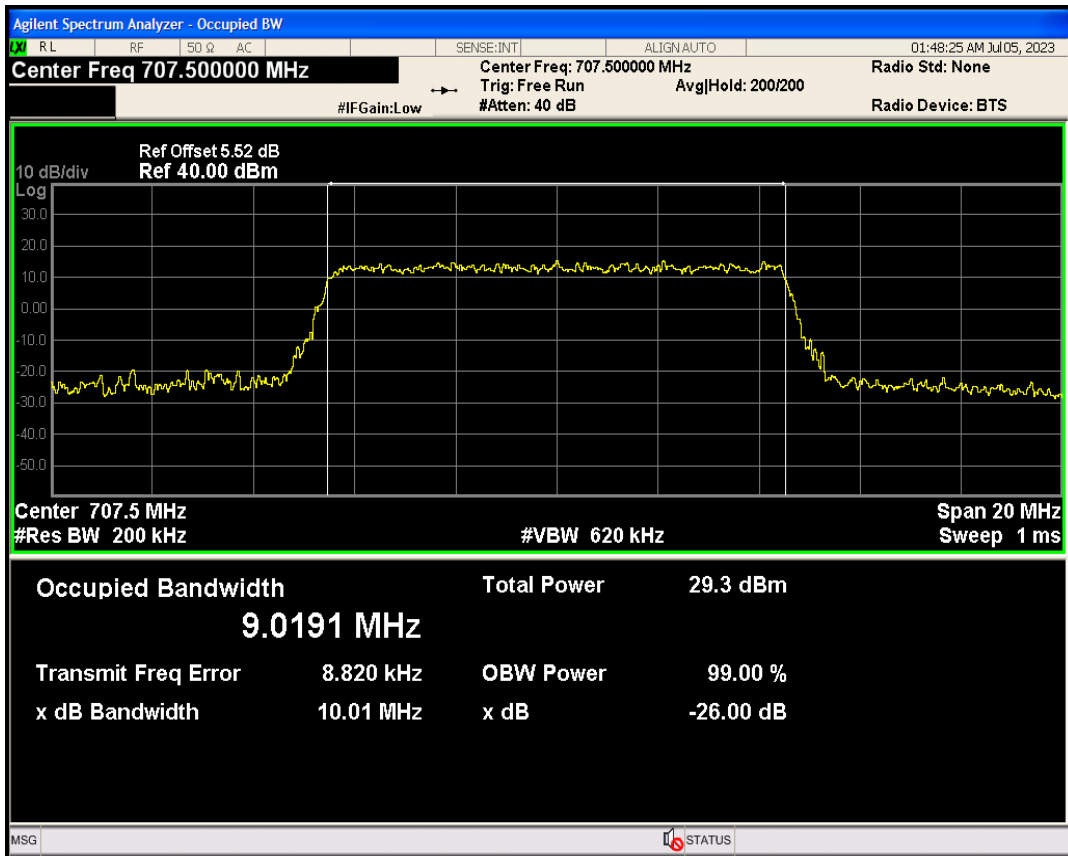




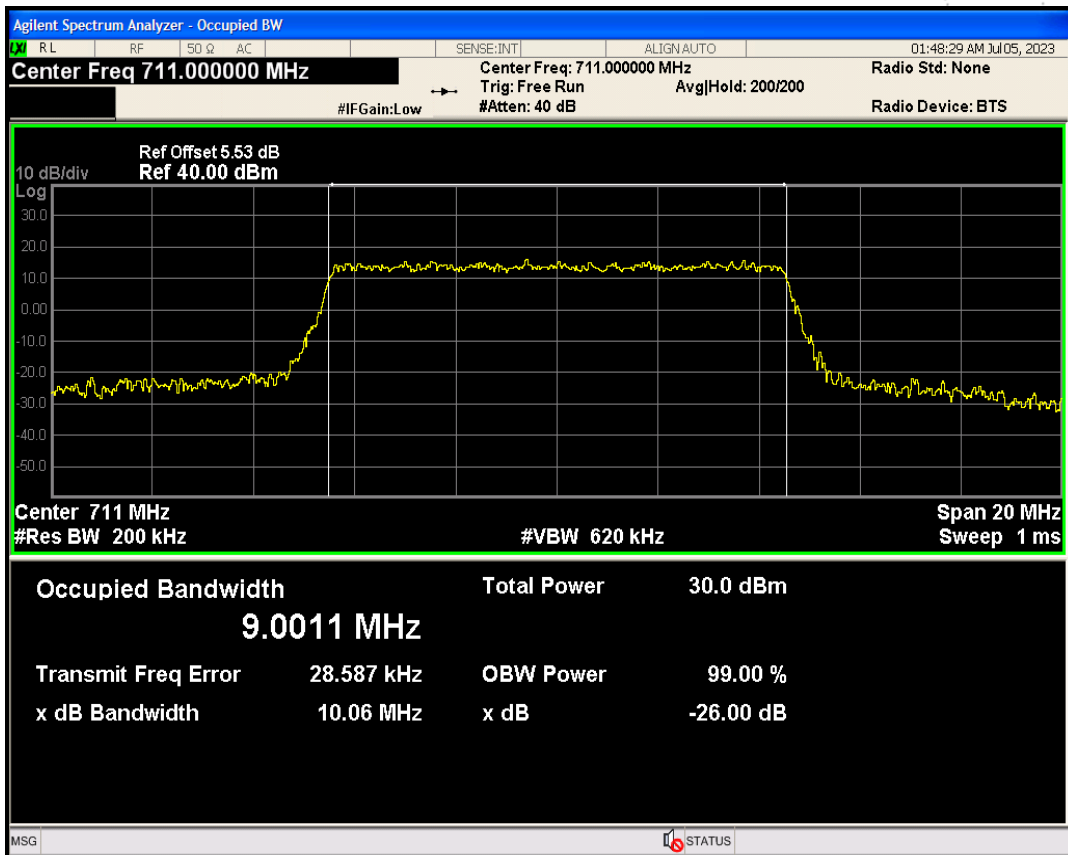
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



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

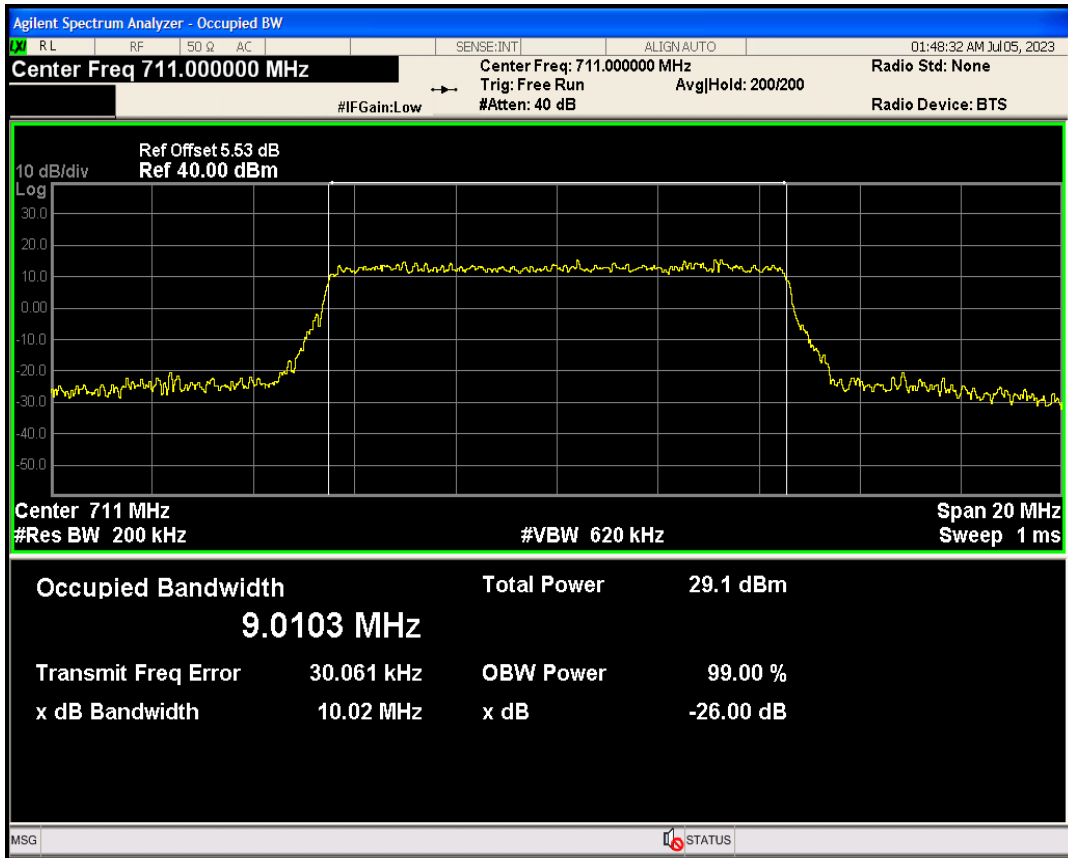


Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0





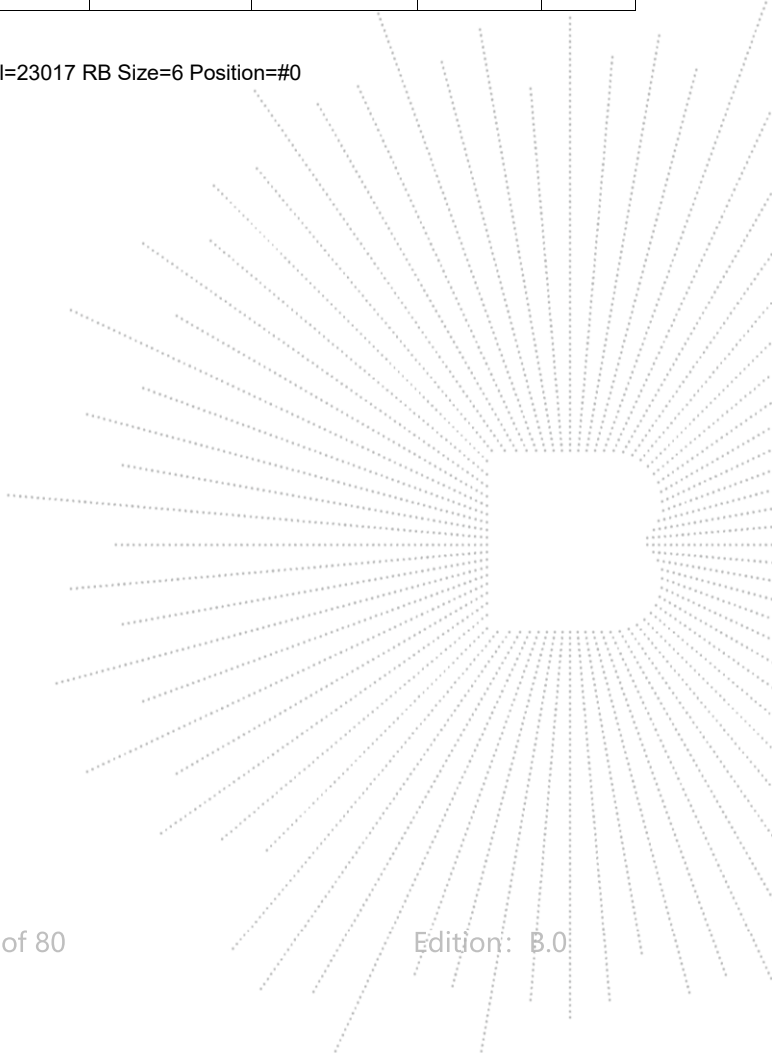
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

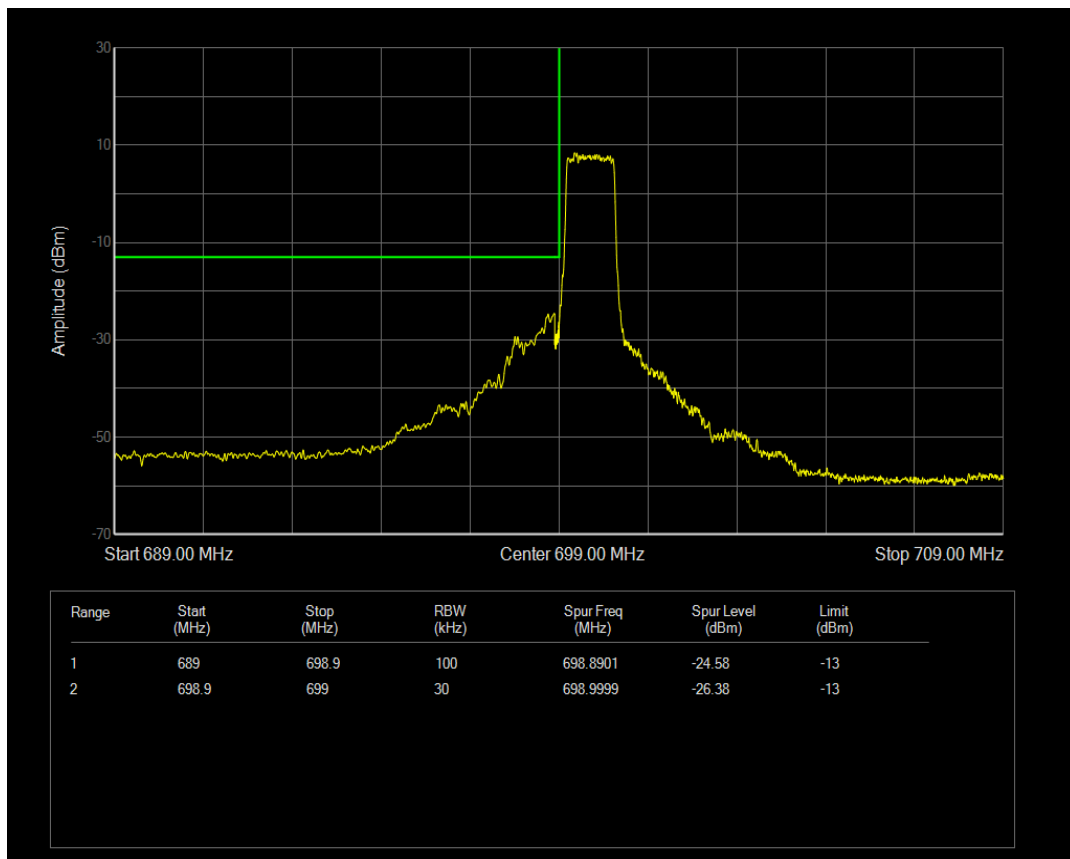


Appendix 5. Band edge

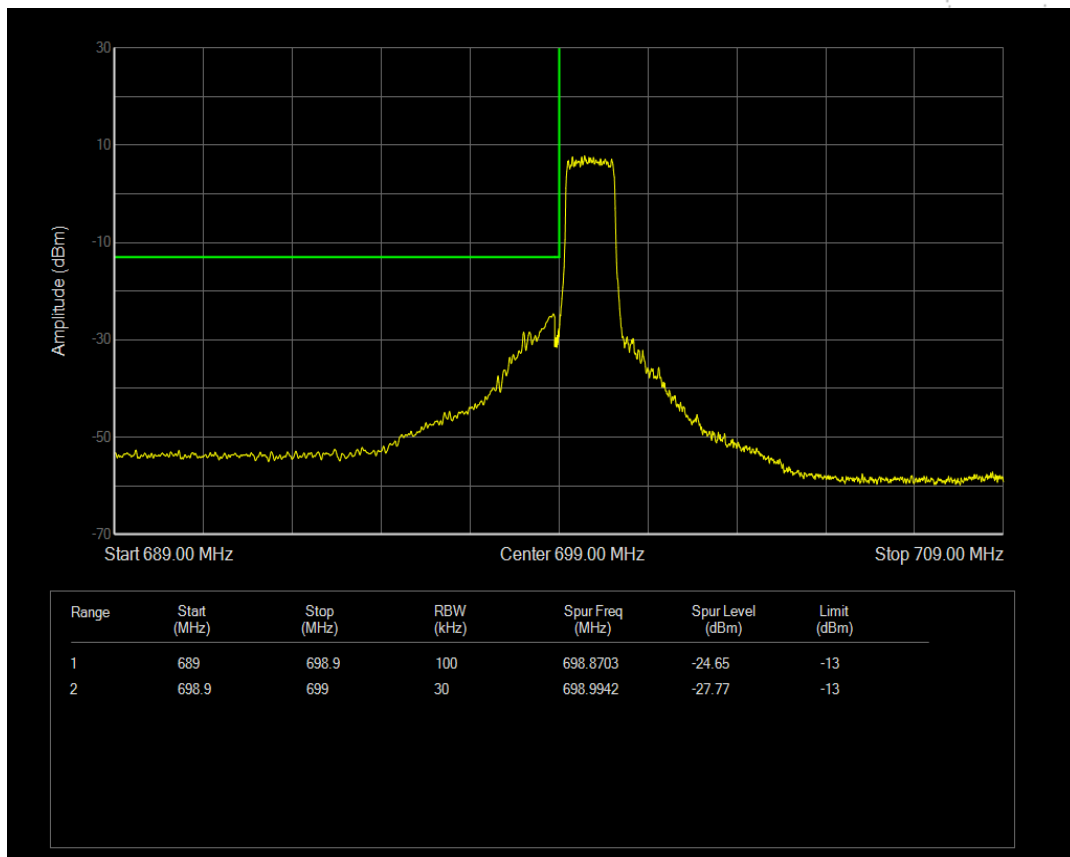
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	698.89	-24.58	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.87	-24.65	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.11	-26.81	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.11	-26.68	-13	PASS
Band12	3	23025	15	#0	QPSK	698.81	-28.15	-13	PASS
Band12	3	23025	15	#0	16QAM	698.82	-28.36	-13	PASS
Band12	3	23165	15	#0	QPSK	716.12	-29.62	-13	PASS
Band12	3	23165	15	#0	16QAM	716.29	-29.54	-13	PASS
Band12	5	23035	25	#0	QPSK	698.87	-25.21	-13	PASS
Band12	5	23035	25	#0	16QAM	698.88	-26.68	-13	PASS
Band12	5	23155	25	#0	QPSK	716.11	-27.04	-13	PASS
Band12	5	23155	25	#0	16QAM	716.11	-25.99	-13	PASS
Band12	10	23060	50	#0	QPSK	698.83	-31.73	-13	PASS
Band12	10	23060	50	#0	16QAM	698.86	-31.27	-13	PASS
Band12	10	23130	50	#0	QPSK	716.22	-32.04	-13	PASS
Band12	10	23130	50	#0	16QAM	716.11	-31.84	-13	PASS

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

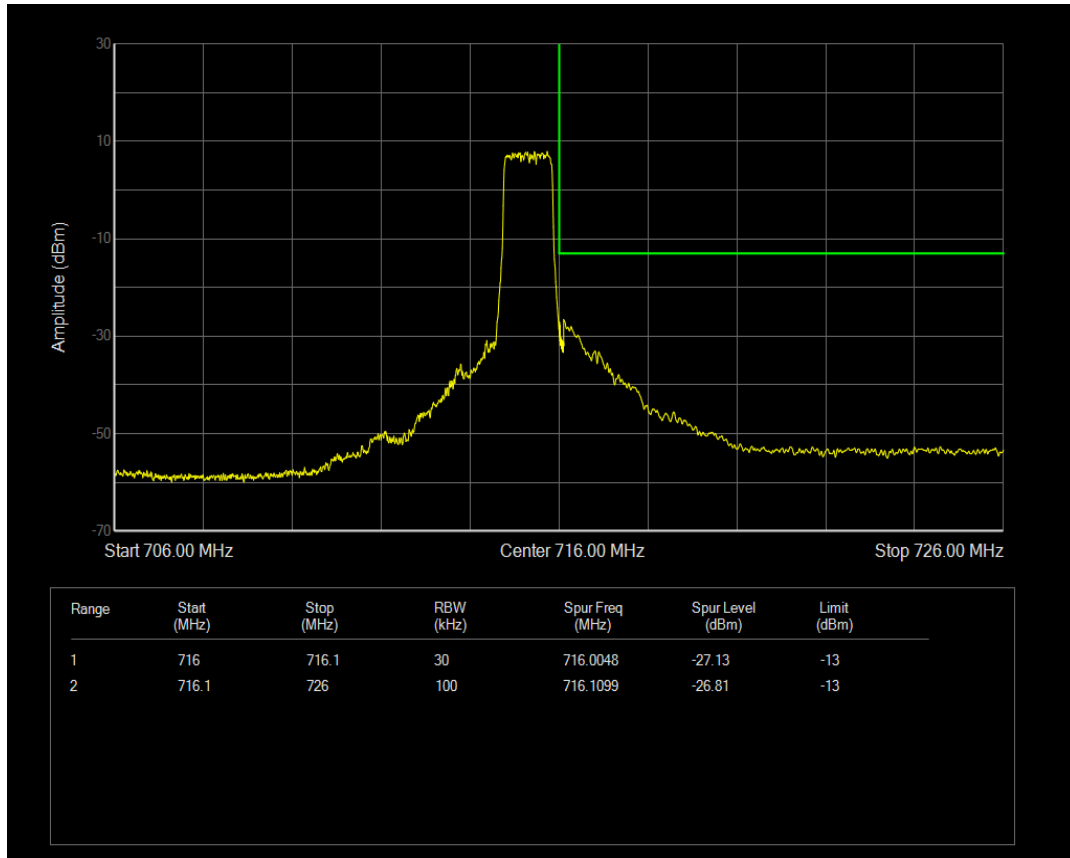




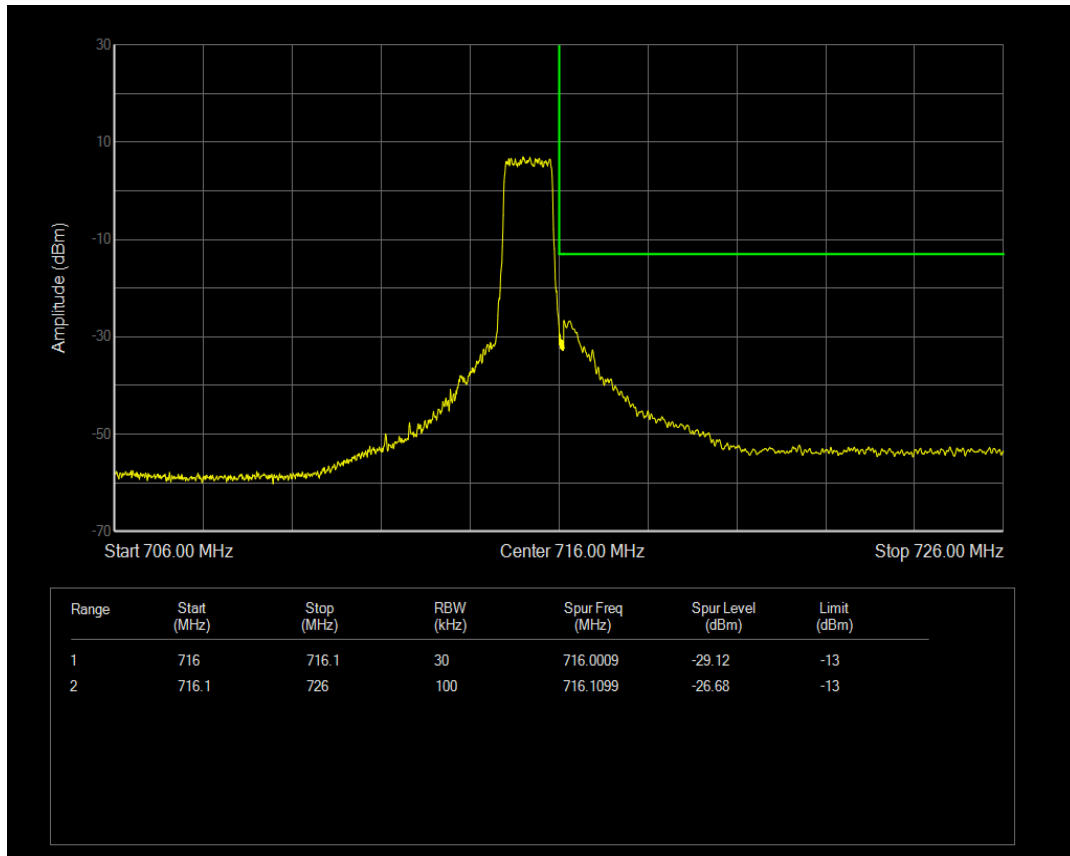
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



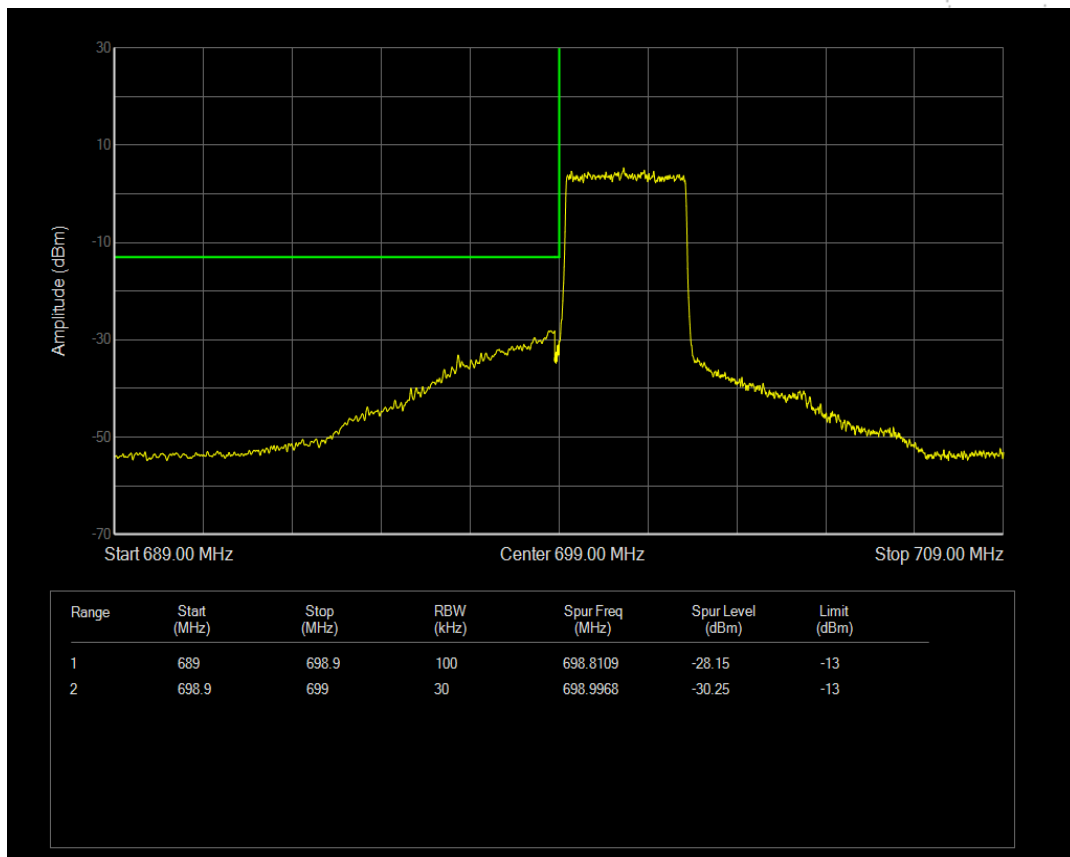
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



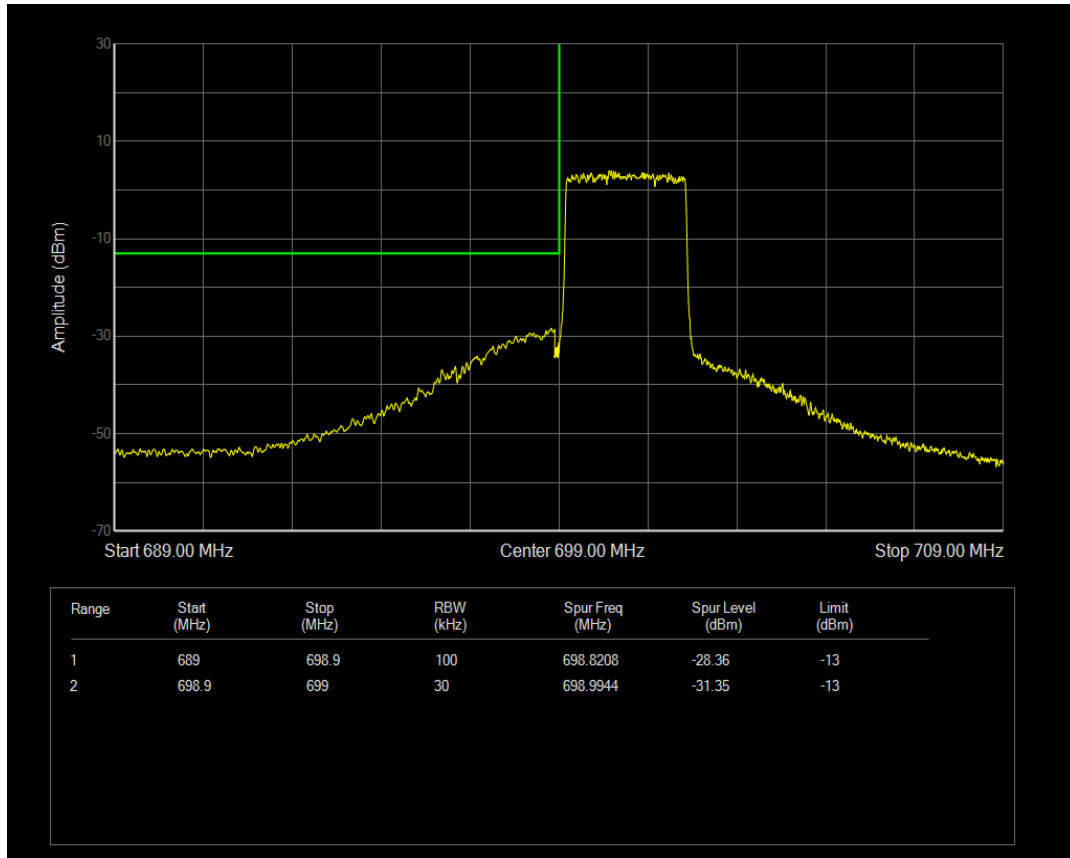
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



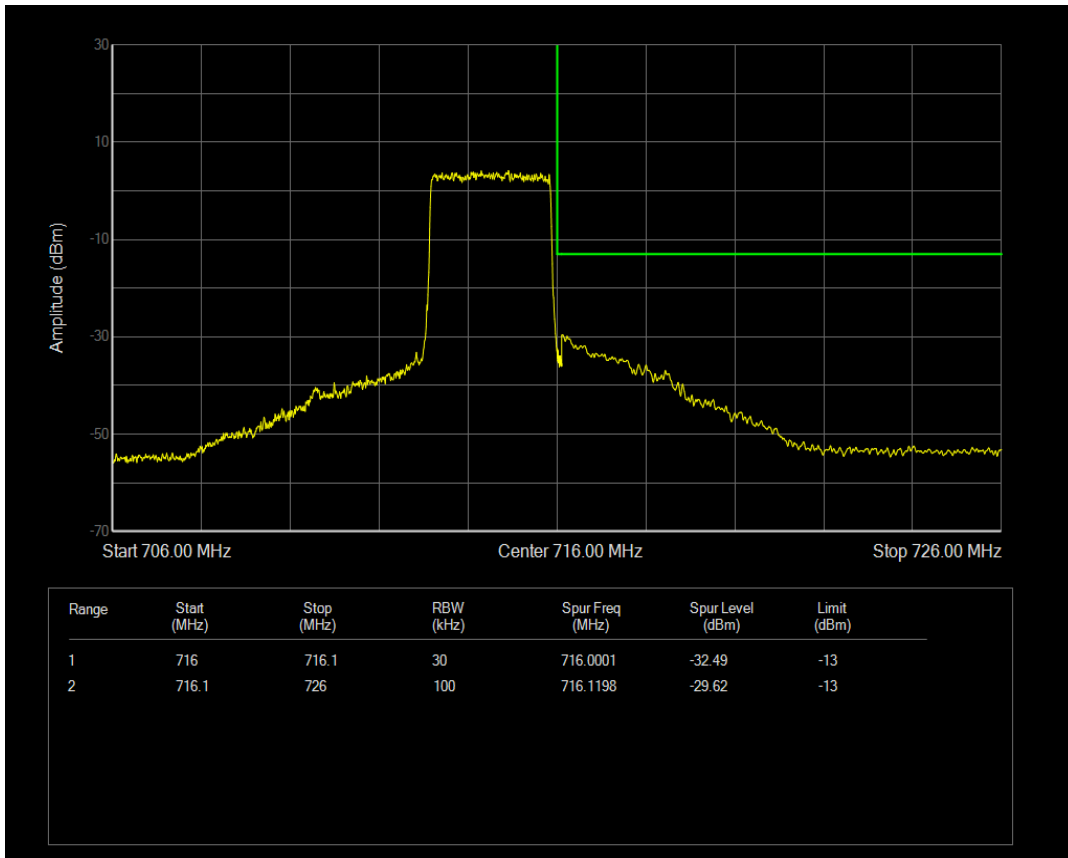
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



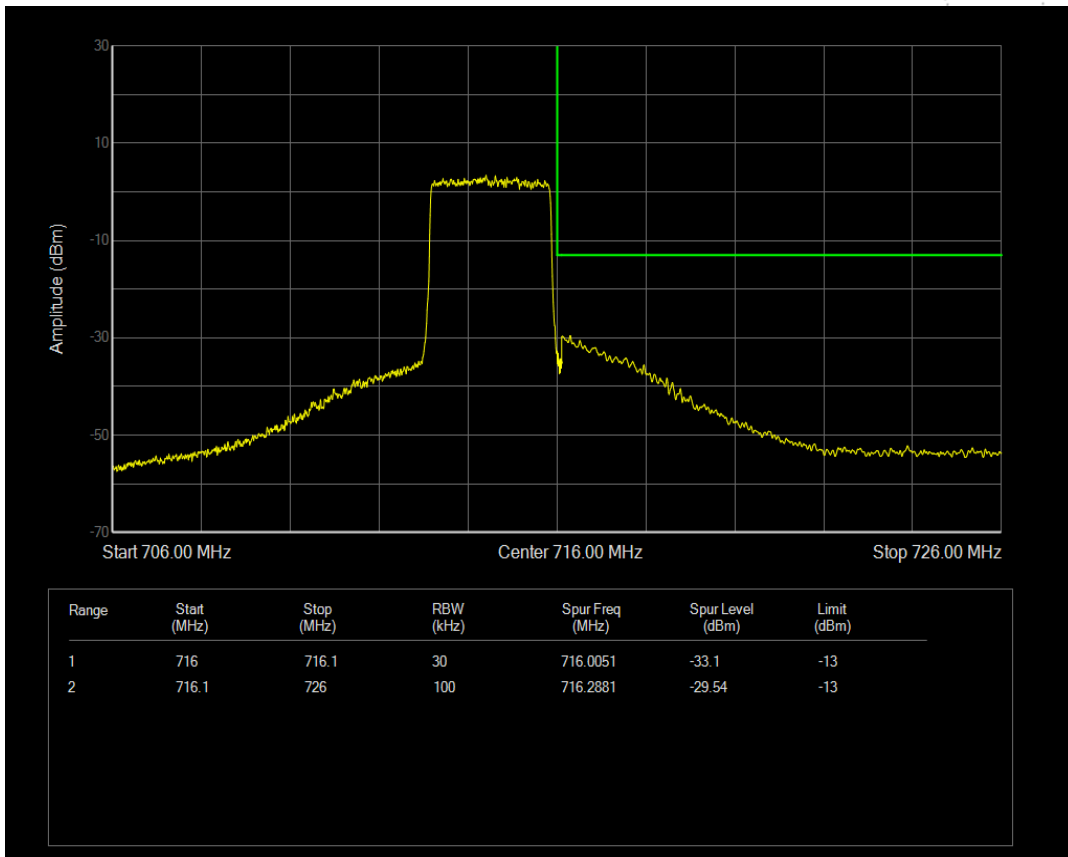
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



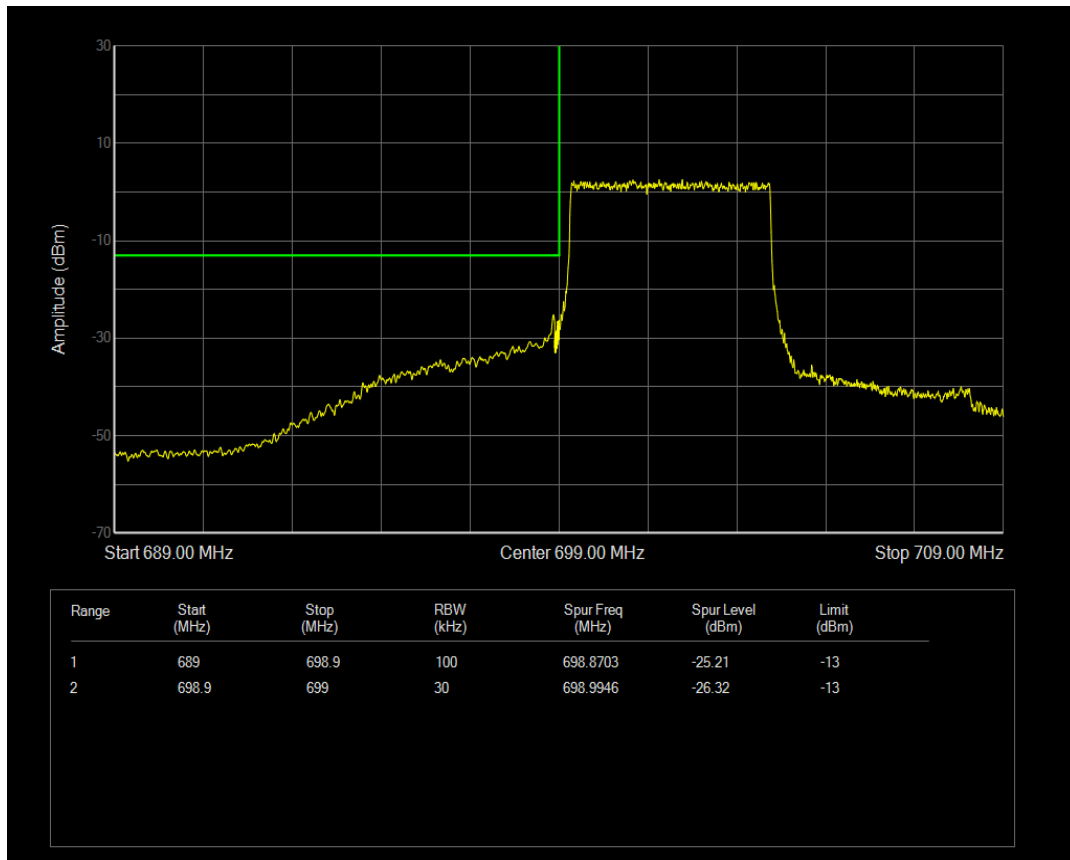
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



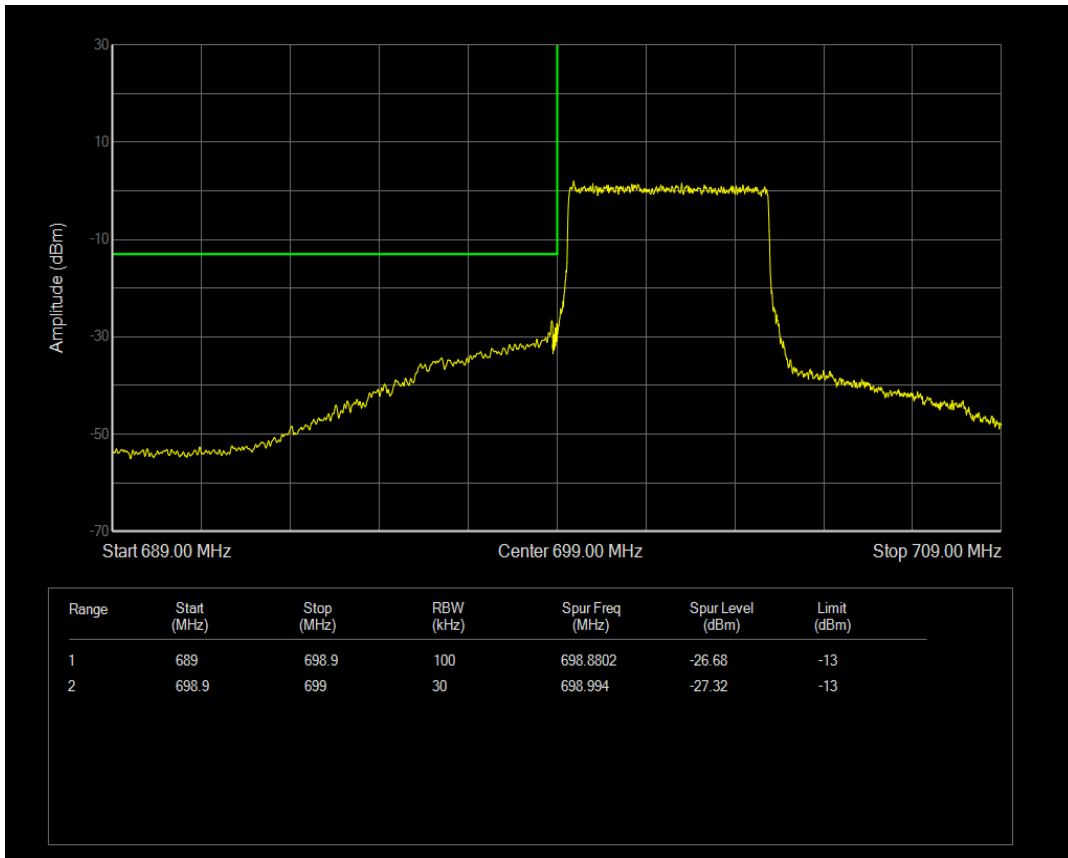
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



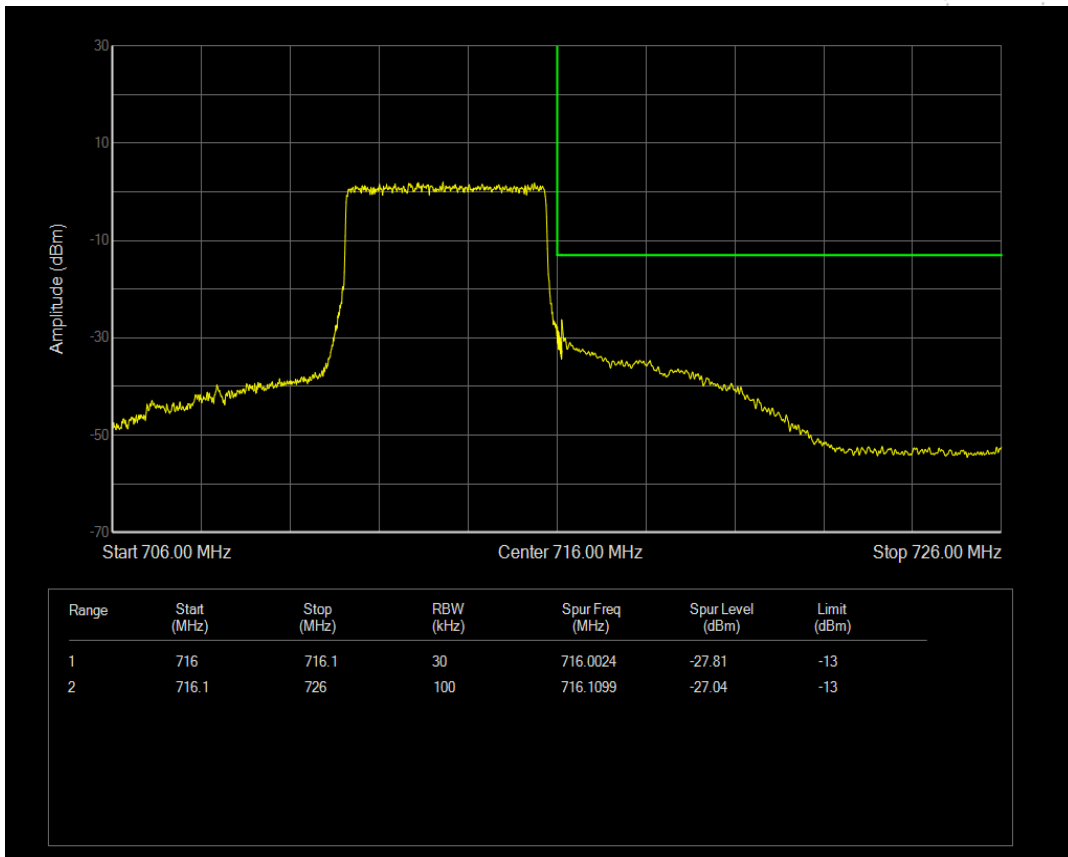
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



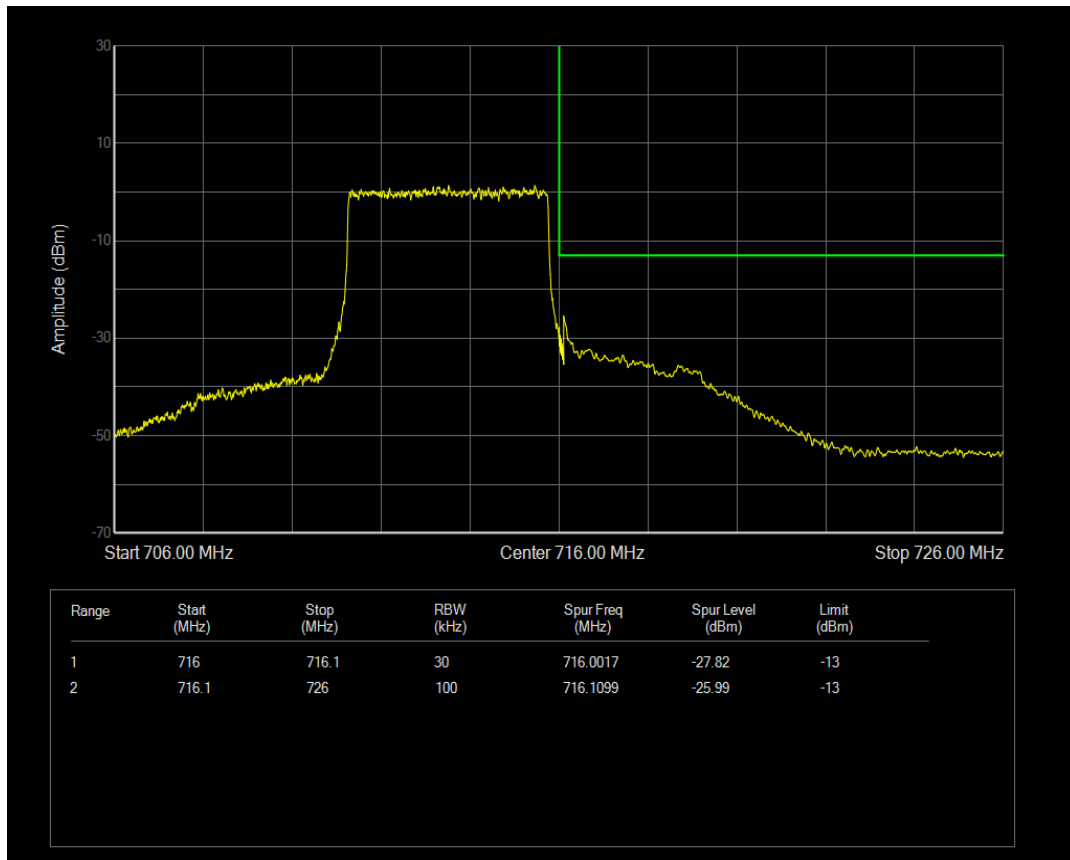
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



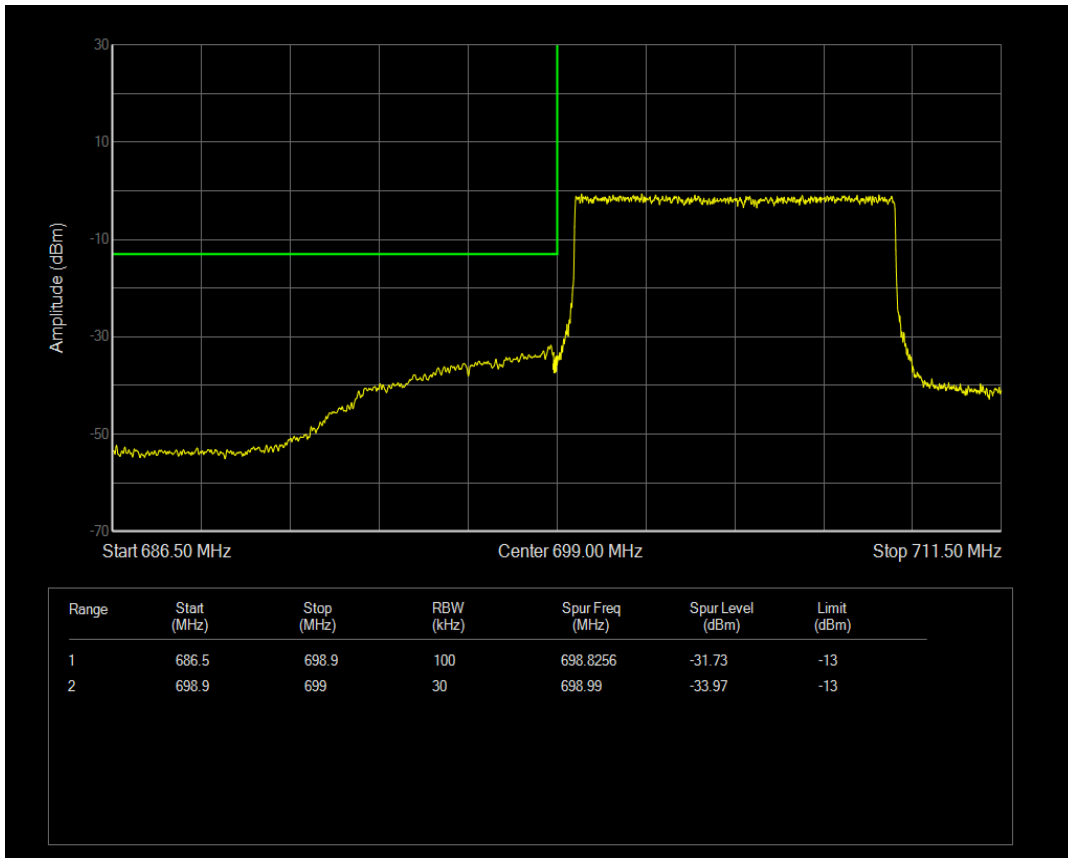
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



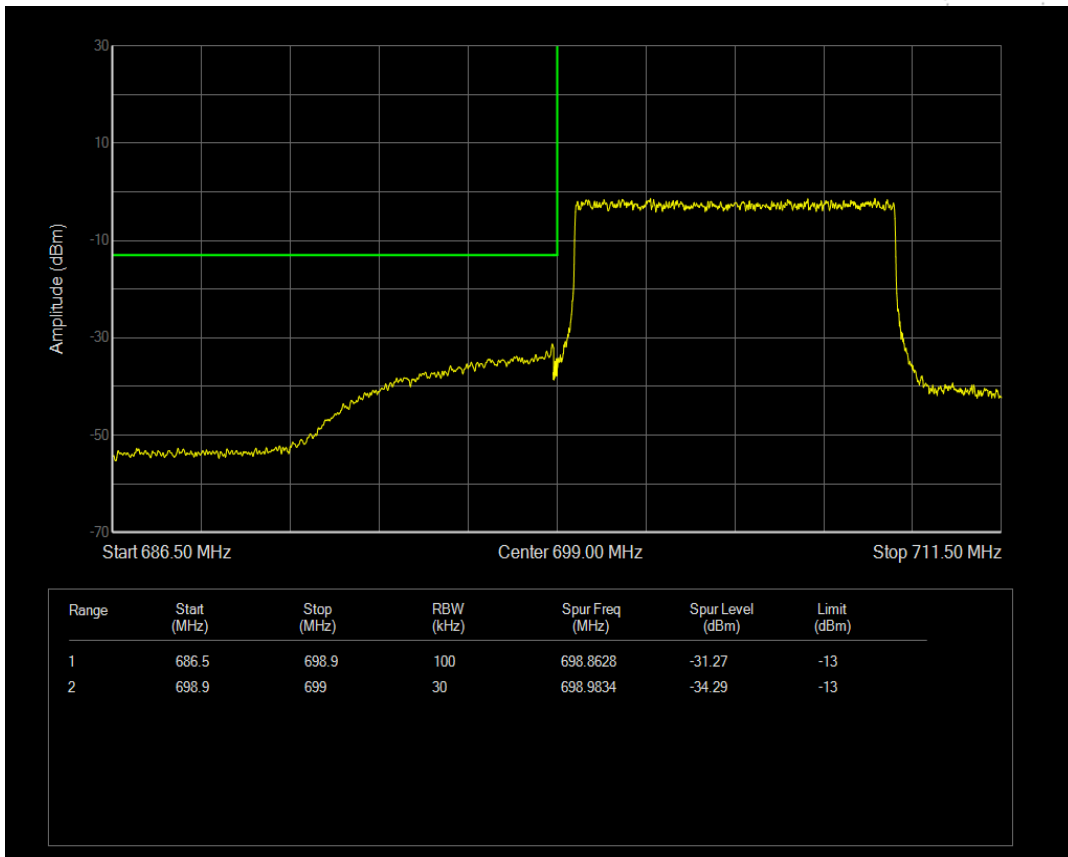
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



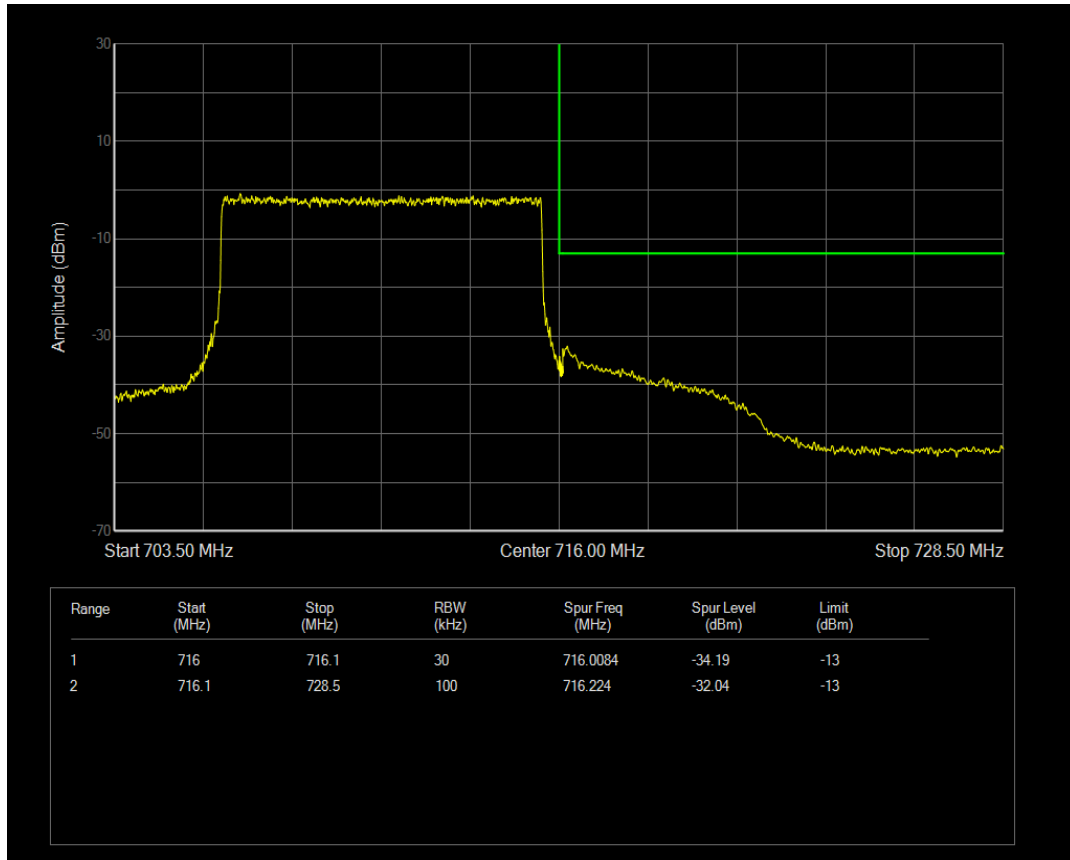
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



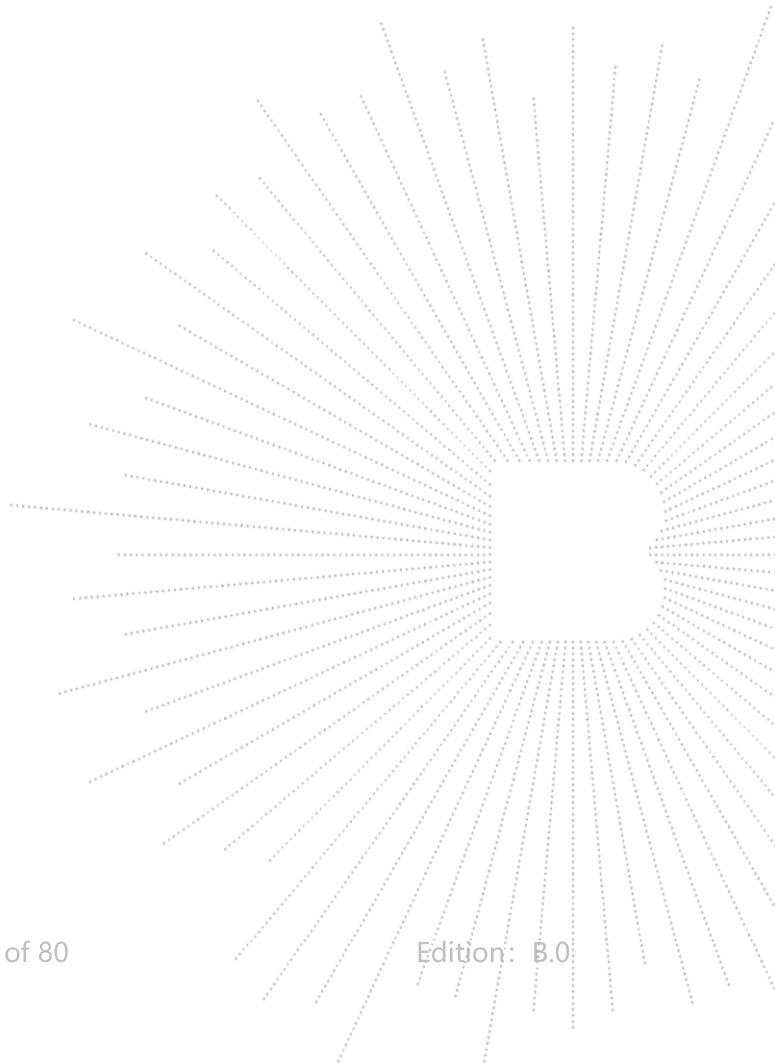
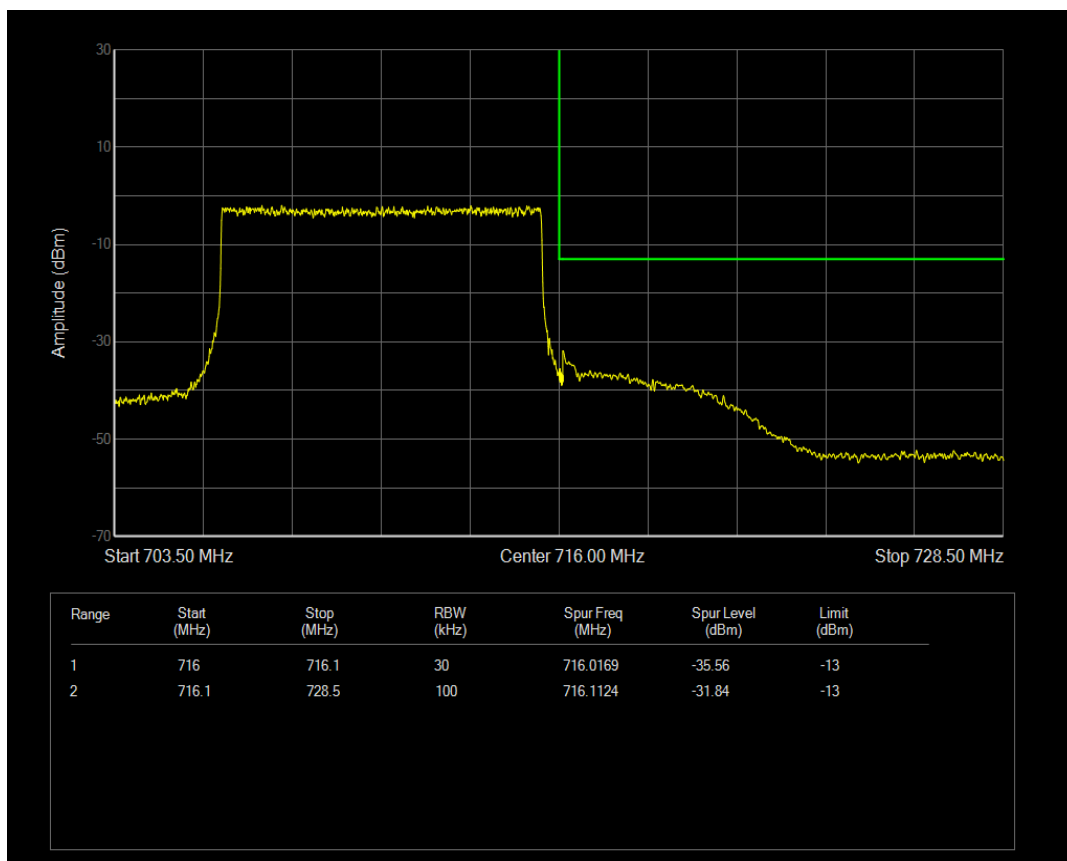
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



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



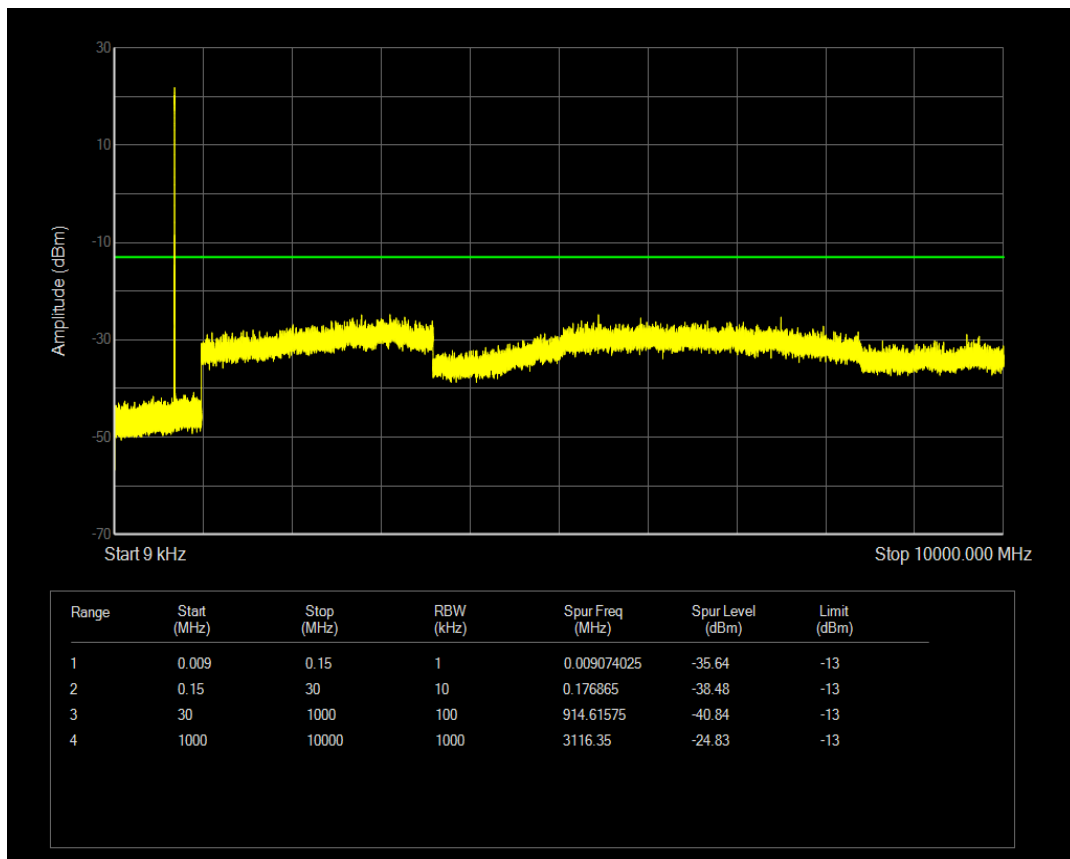
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



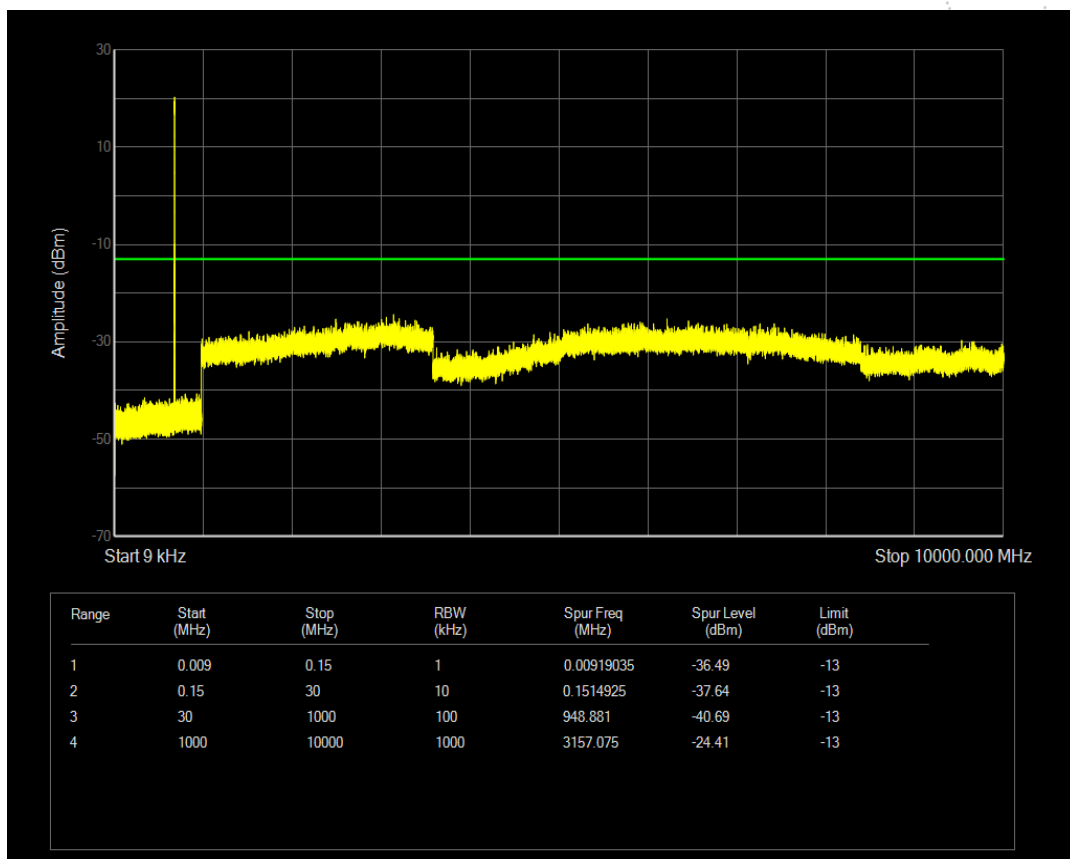
Appendix 6. Out-of-band emissions

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	3116.35	-24.83	-13	PASS
Band12	1.4	23017	6	#0	16QAM	3157.08	-24.41	-13	PASS
Band12	1.4	23095	6	#0	QPSK	2536.30	-24.72	-13	PASS
Band12	1.4	23095	6	#0	16QAM	3146.50	-24.92	-13	PASS
Band12	1.4	23173	6	#0	QPSK	6159.70	-24.56	-13	PASS
Band12	1.4	23173	6	#0	16QAM	3156.18	-24.81	-13	PASS
Band12	3	23025	15	#0	QPSK	3036.25	-24.34	-13	PASS
Band12	3	23025	15	#0	16QAM	3166.98	-24.20	-13	PASS
Band12	3	23095	15	#0	QPSK	3192.18	-24.81	-13	PASS
Band12	3	23095	15	#0	16QAM	3089.13	-24.54	-13	PASS
Band12	3	23165	15	#0	QPSK	3141.78	-24.42	-13	PASS
Band12	3	23165	15	#0	16QAM	3151.90	-23.97	-13	PASS
Band12	5	23035	25	#0	QPSK	3046.60	-24.50	-13	PASS
Band12	5	23035	25	#0	16QAM	2992.38	-25.26	-13	PASS
Band12	5	23095	25	#0	QPSK	6759.55	-24.60	-13	PASS
Band12	5	23095	25	#0	16QAM	3113.88	-23.03	-13	PASS
Band12	5	23155	25	#0	QPSK	3589.53	-24.66	-13	PASS
Band12	5	23155	25	#0	16QAM	3117.48	-24.99	-13	PASS
Band12	10	23060	50	#0	QPSK	3471.40	-24.97	-13	PASS
Band12	10	23060	50	#0	16QAM	3325.15	-24.76	-13	PASS
Band12	10	23095	50	#0	QPSK	3222.78	-24.52	-13	PASS
Band12	10	23095	50	#0	16QAM	3035.80	-24.36	-13	PASS
Band12	10	23130	50	#0	QPSK	3004.08	-24.31	-13	PASS
Band12	10	23130	50	#0	16QAM	2973.25	-23.97	-13	PASS

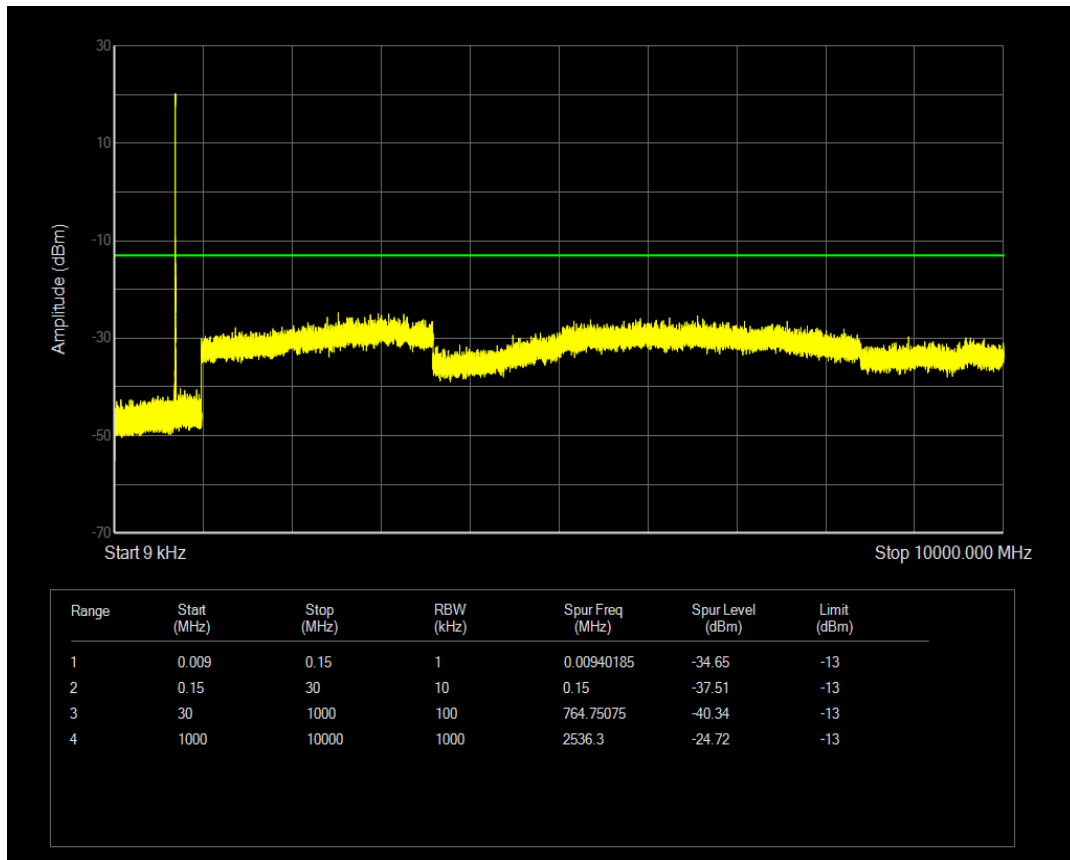
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



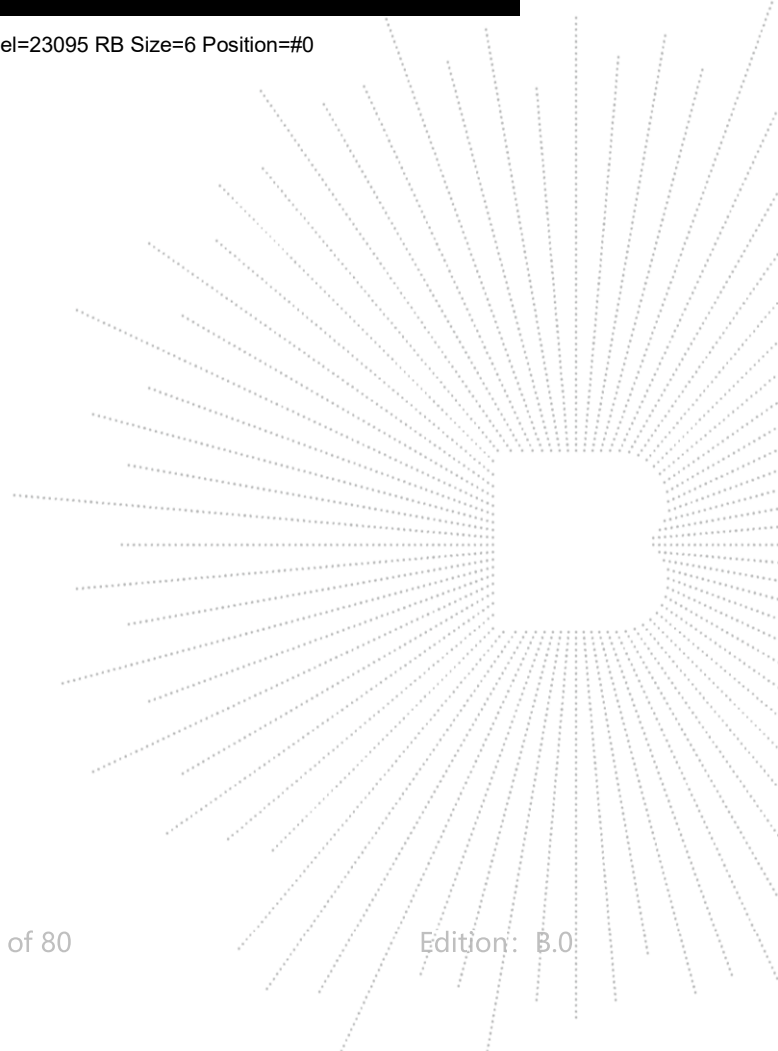
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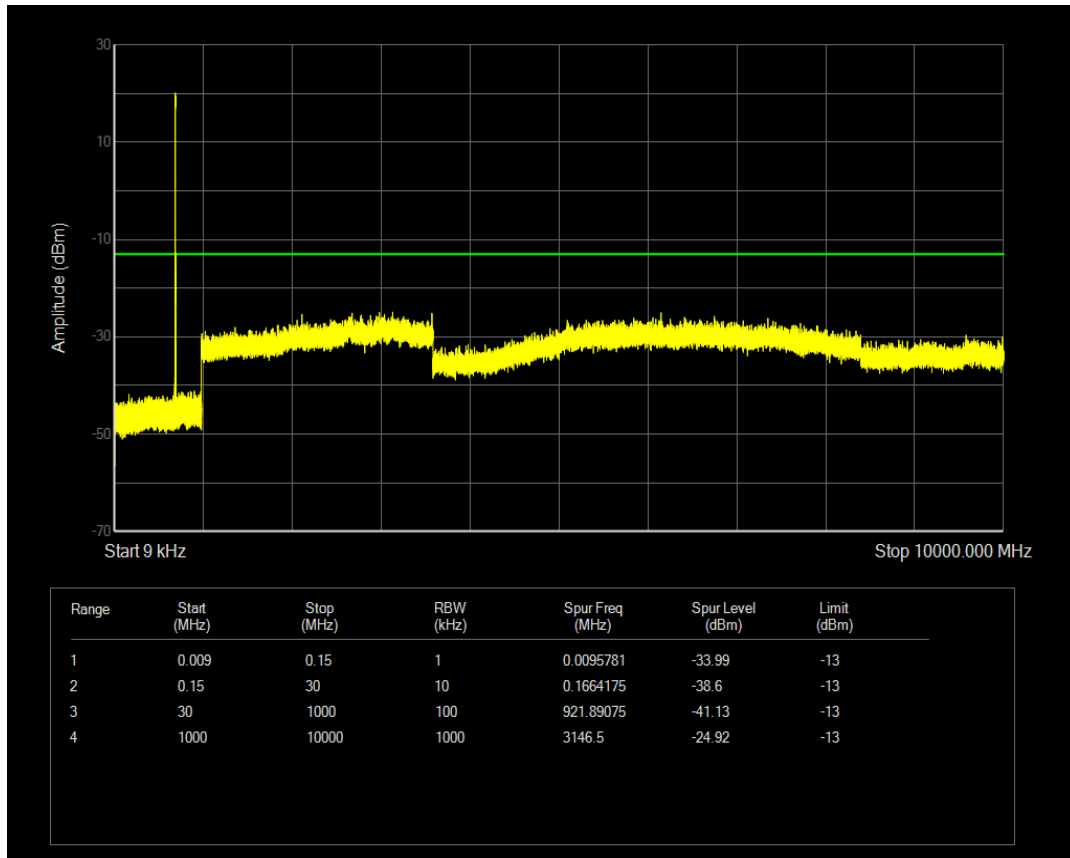


Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0

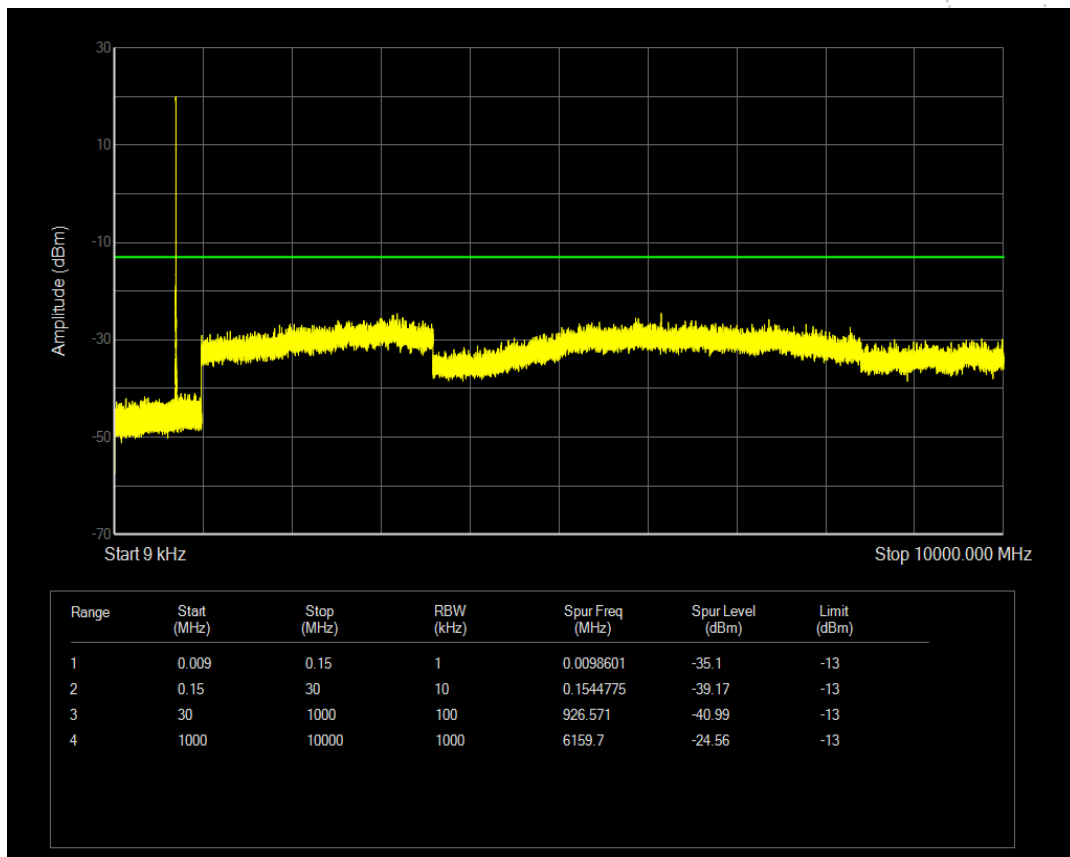


Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0

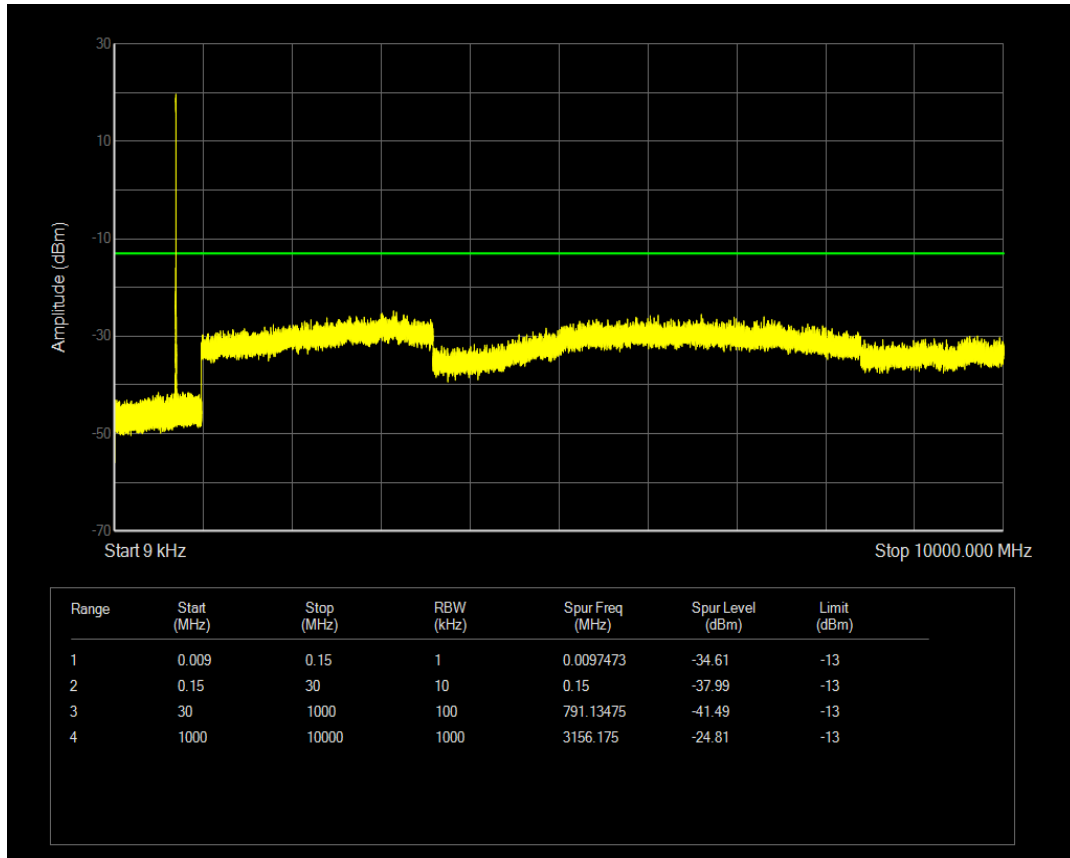




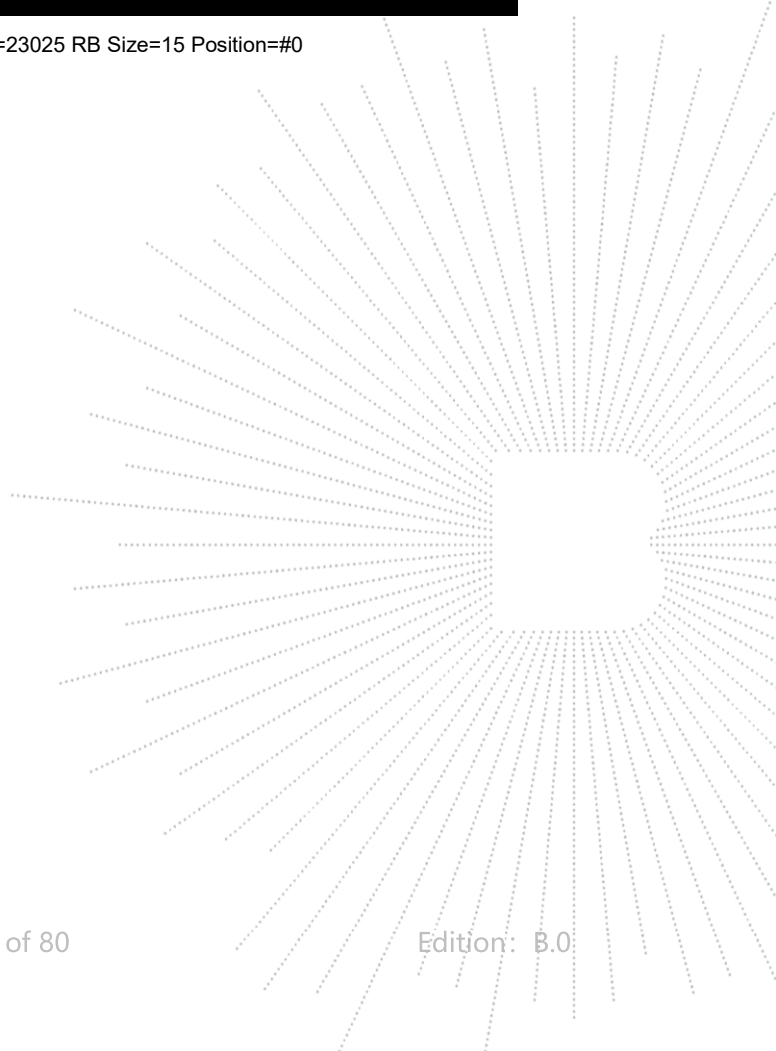
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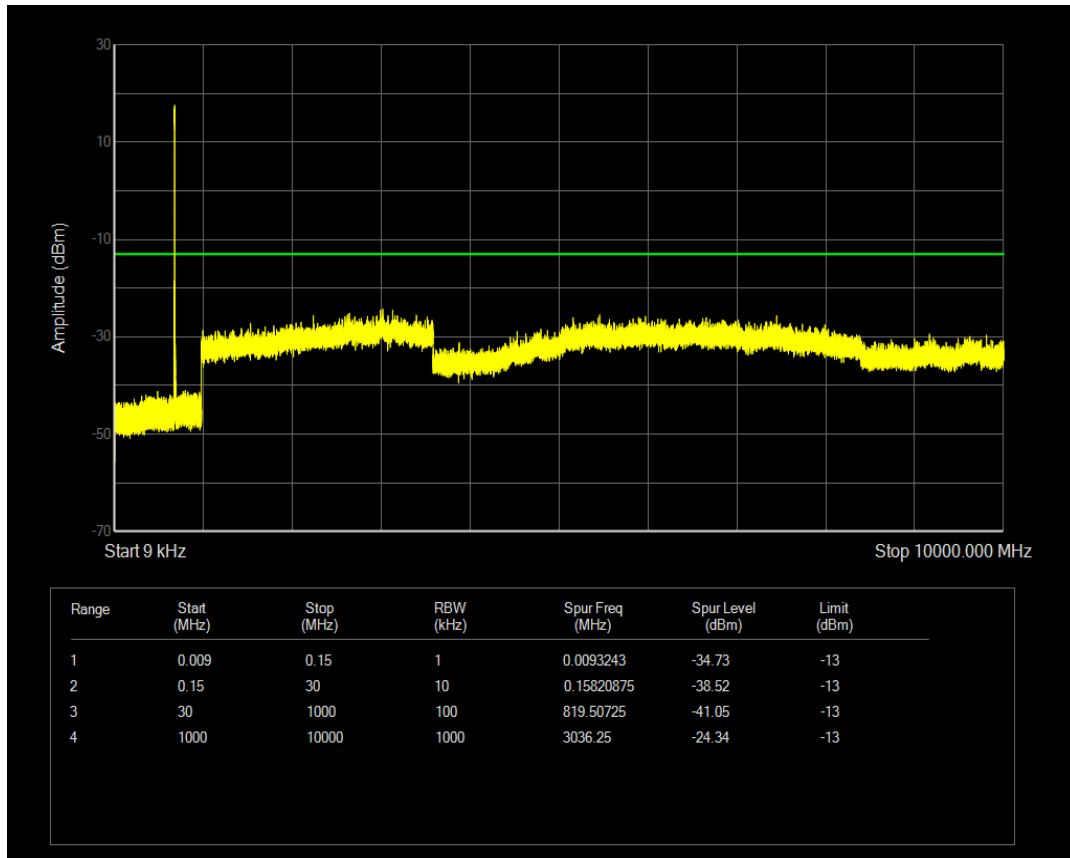


Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0

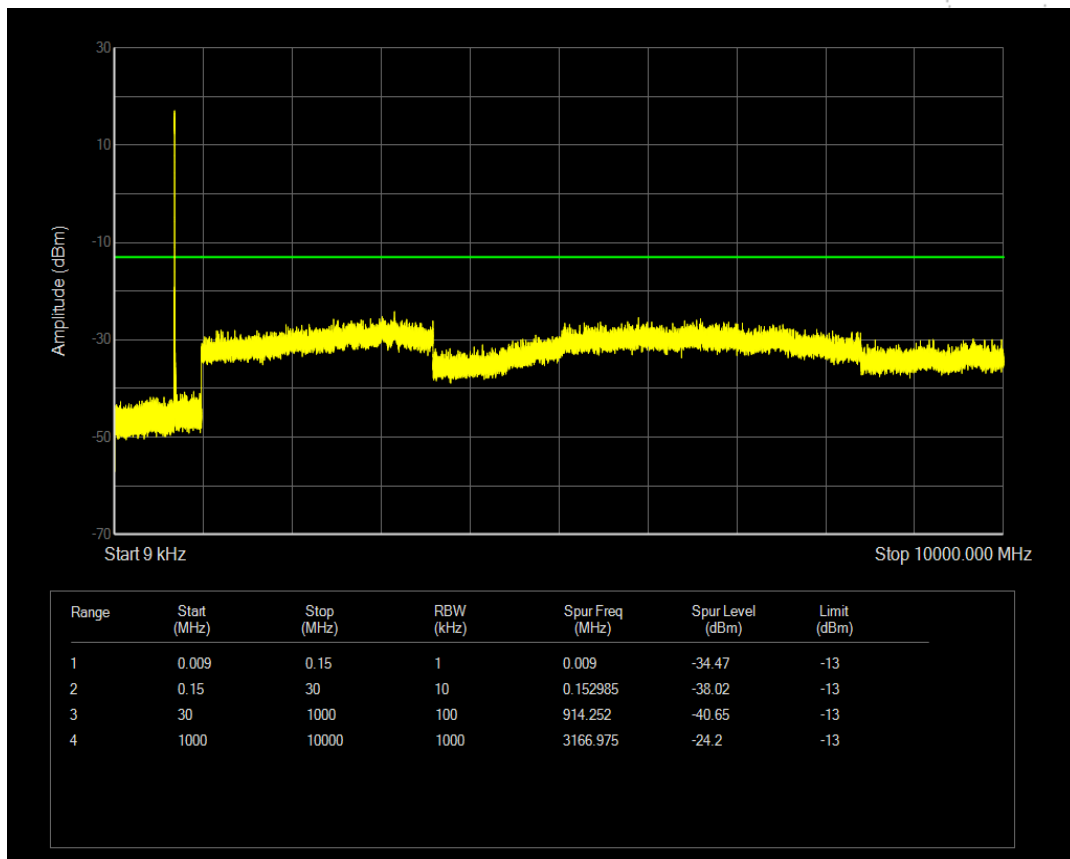


Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0

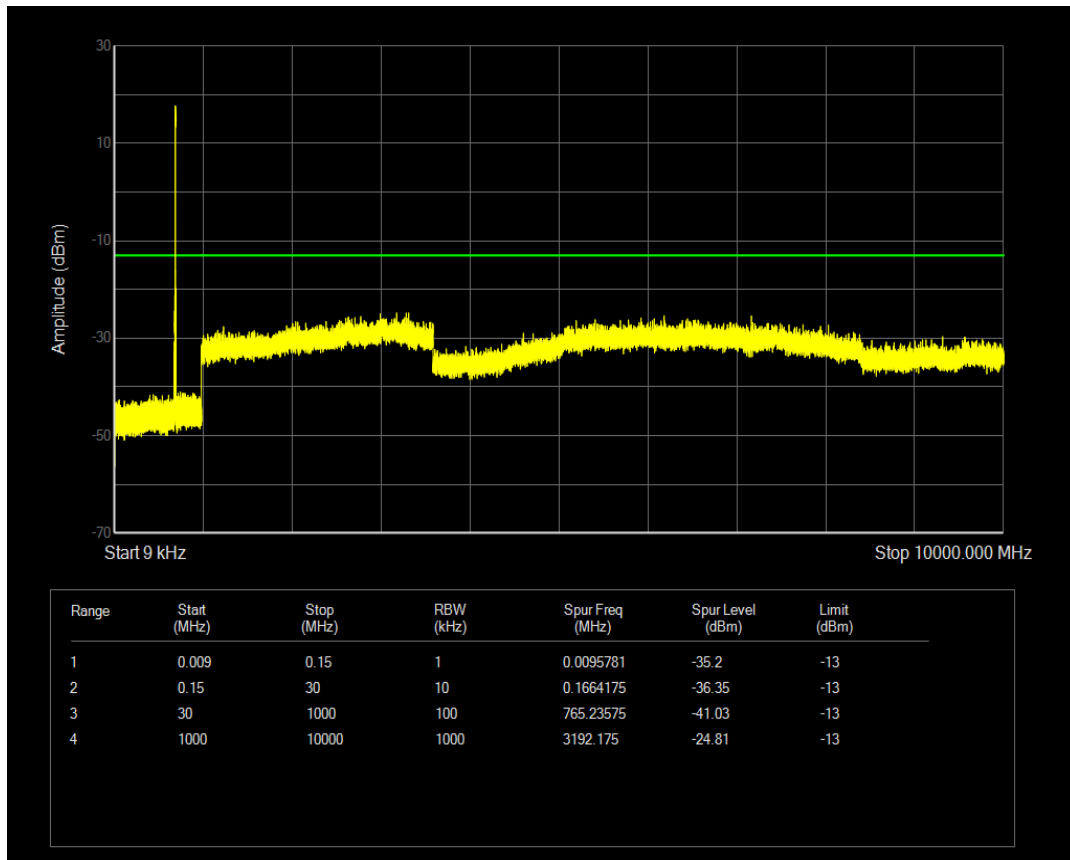




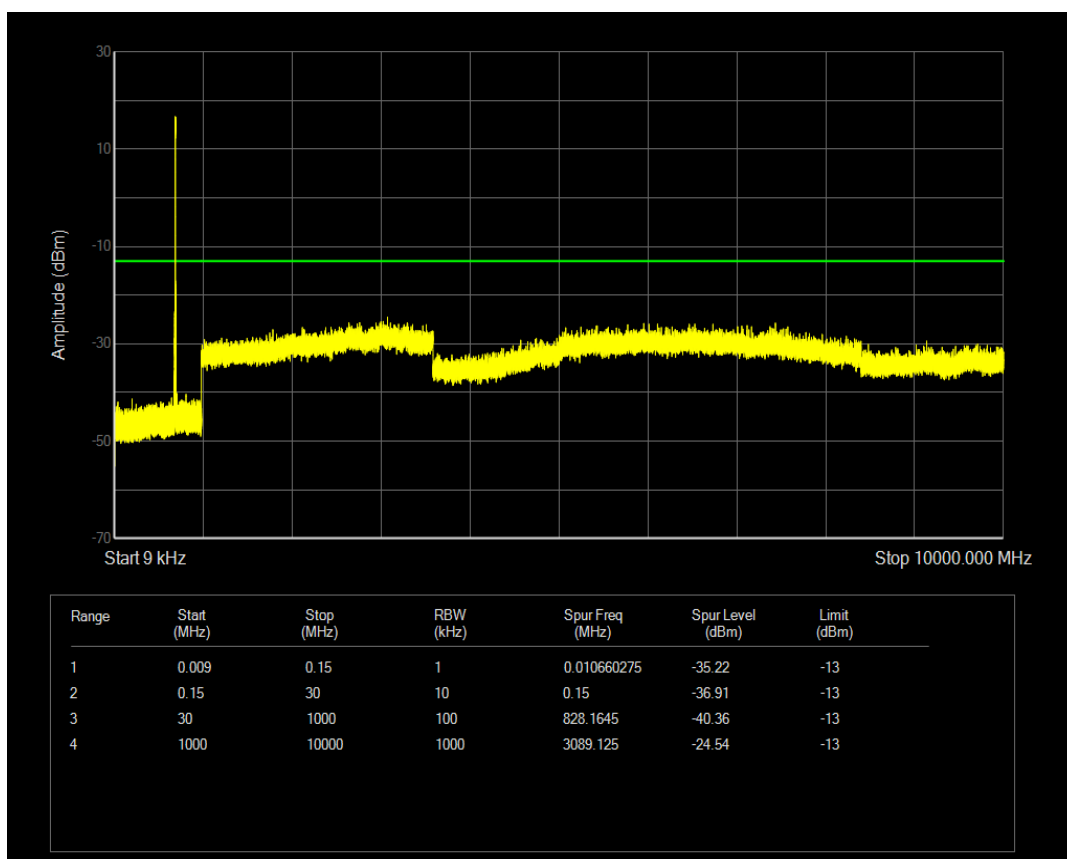
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



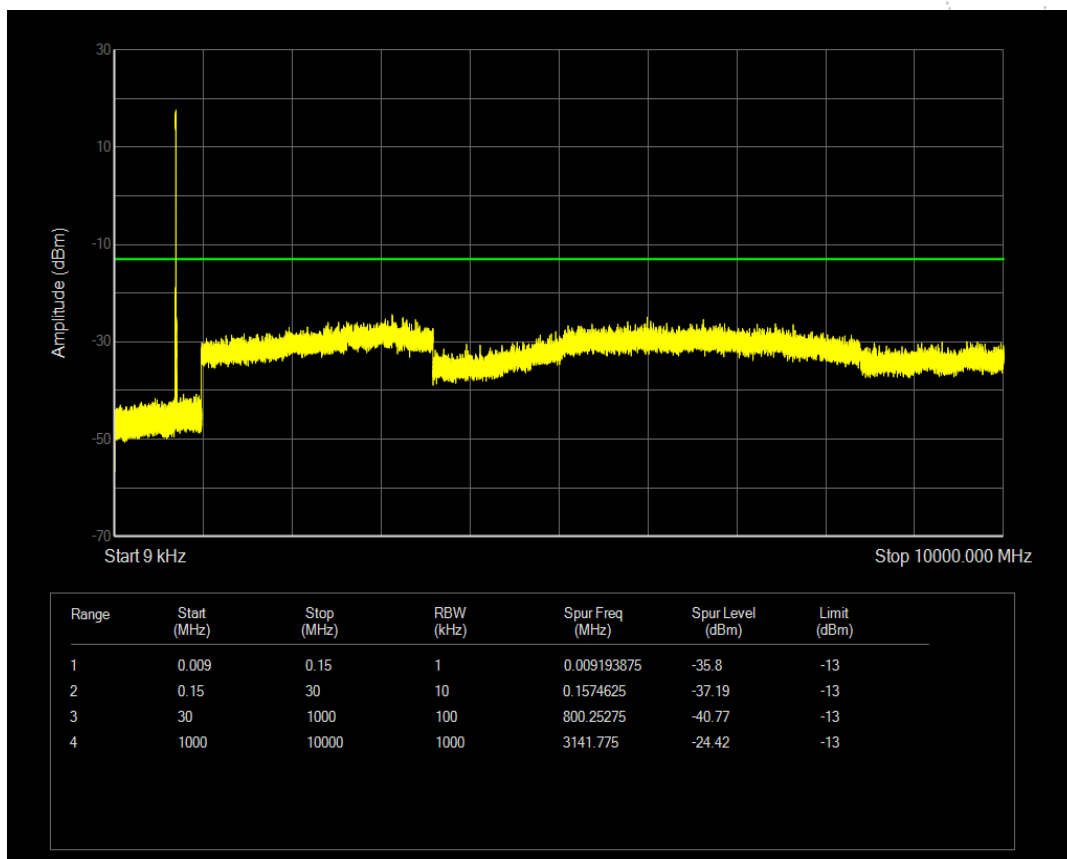
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



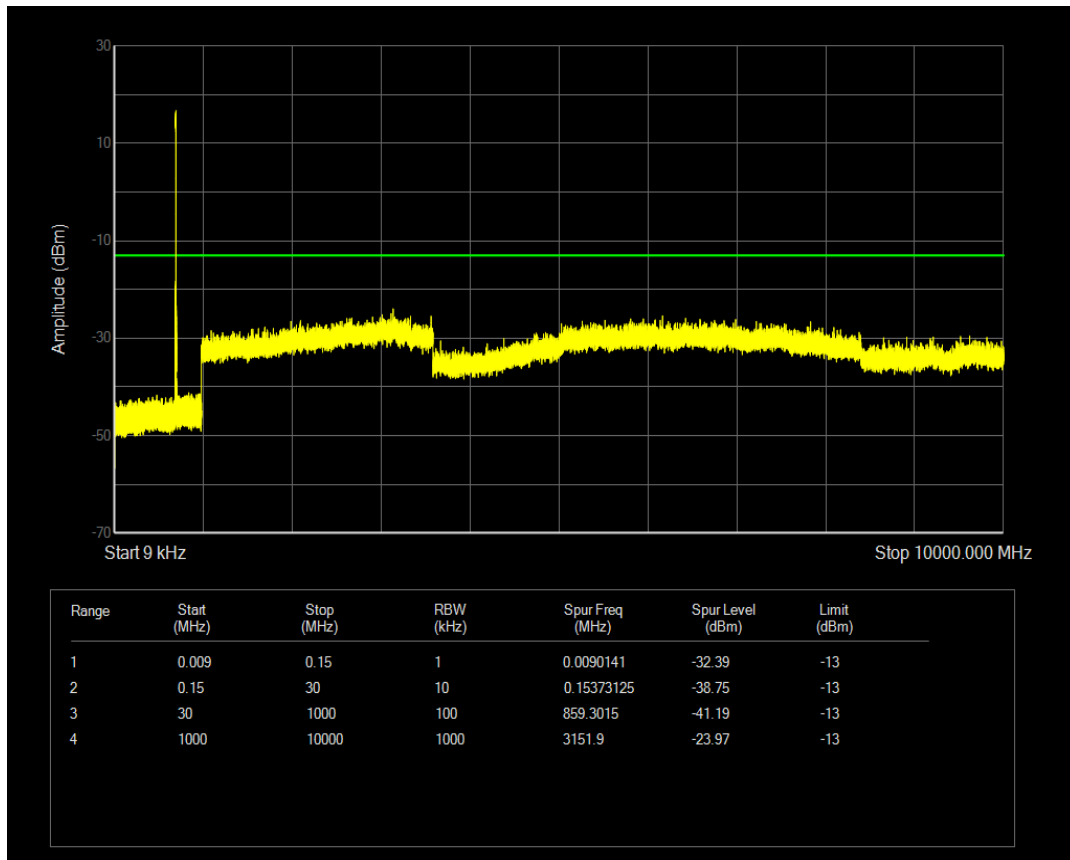
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



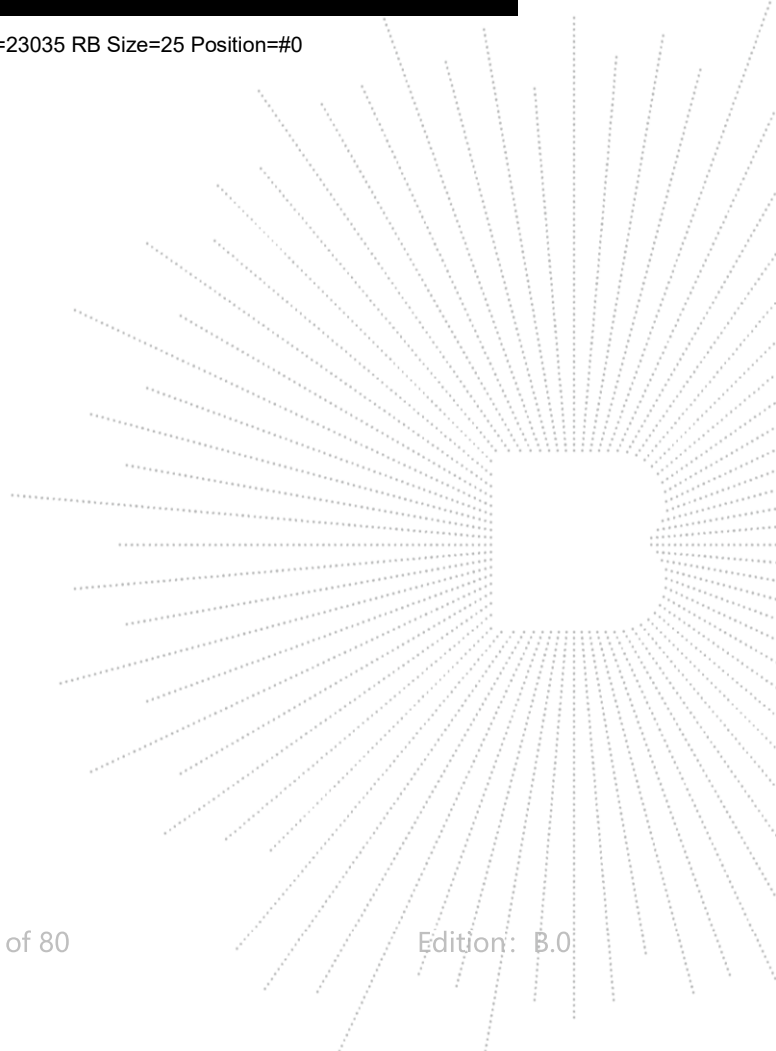
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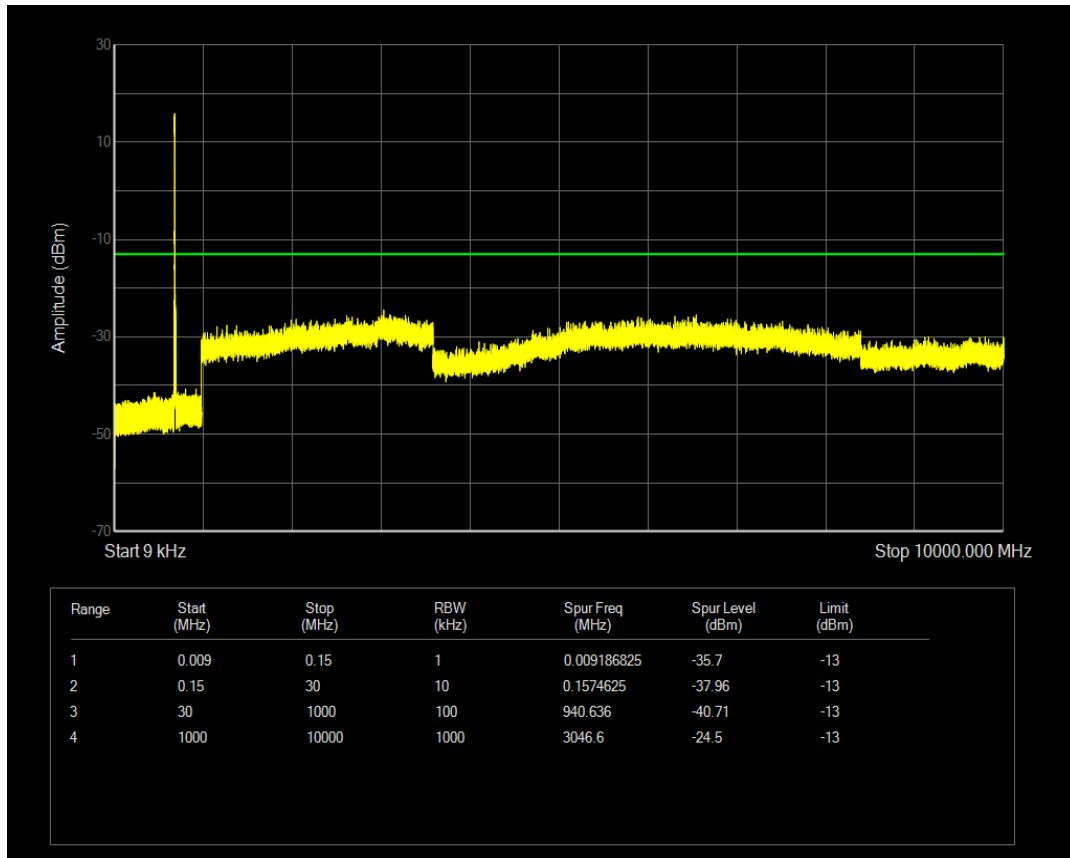


Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0

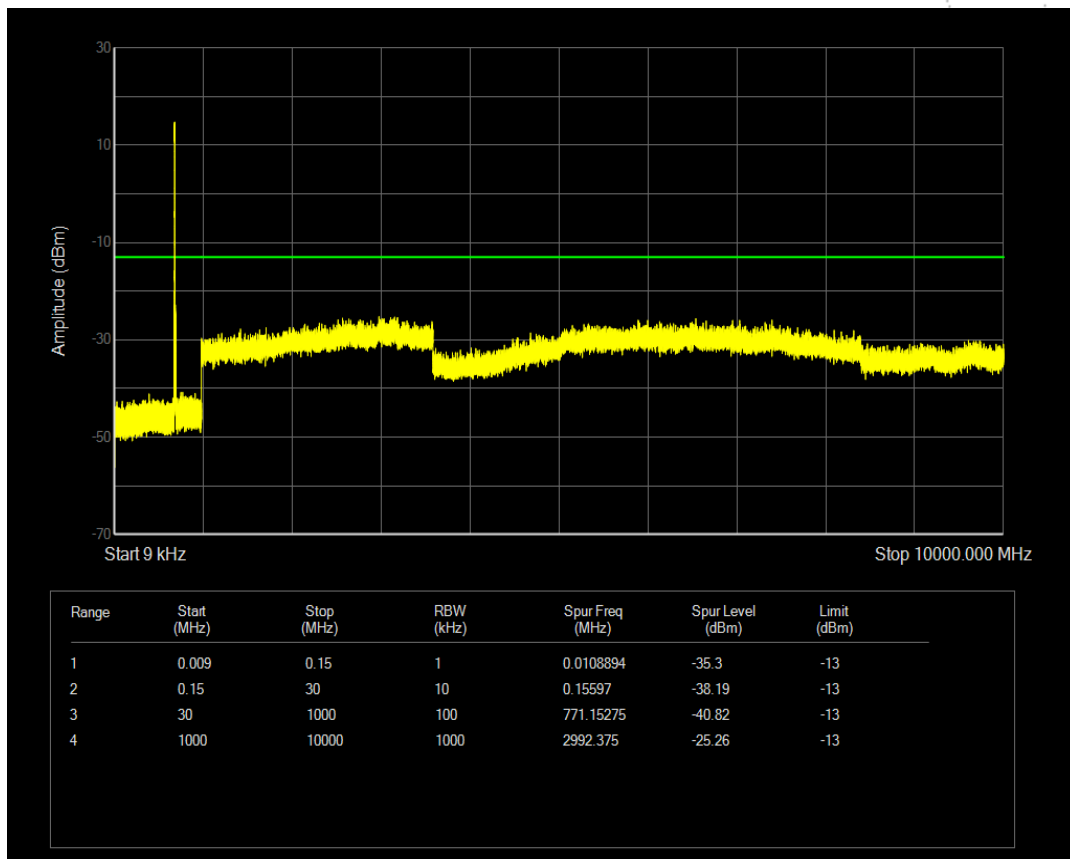


Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0

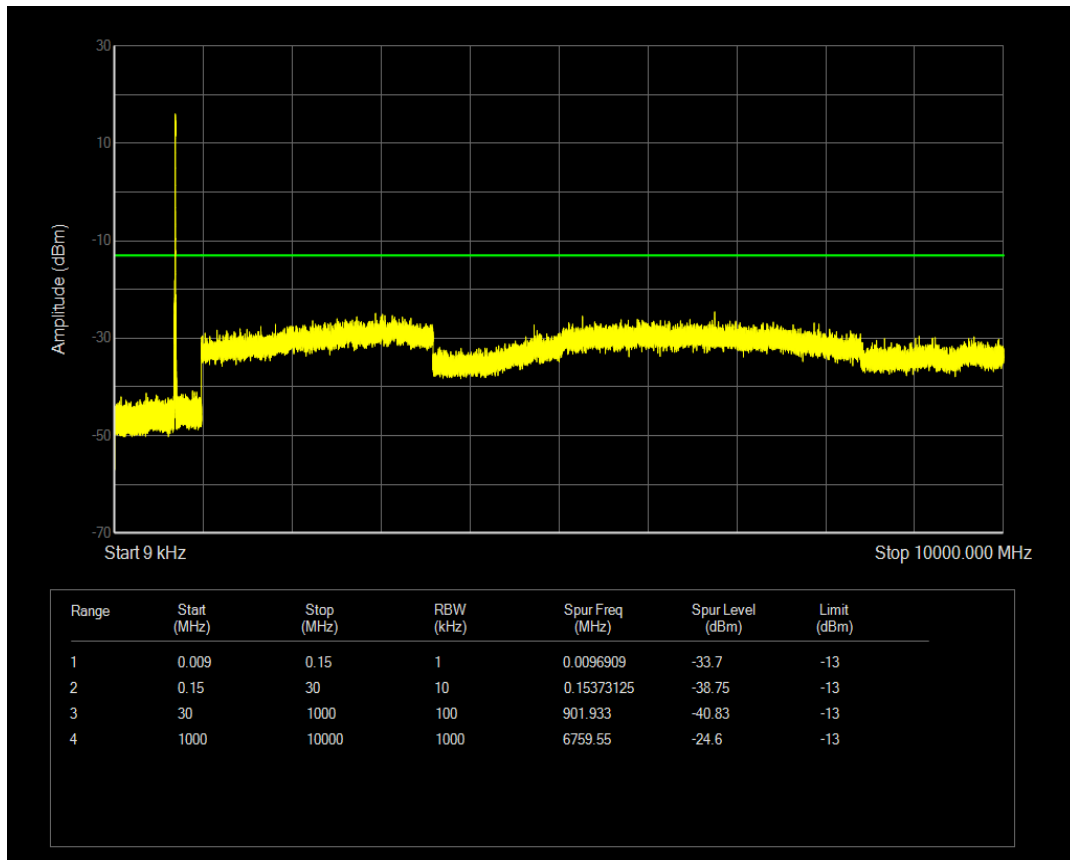




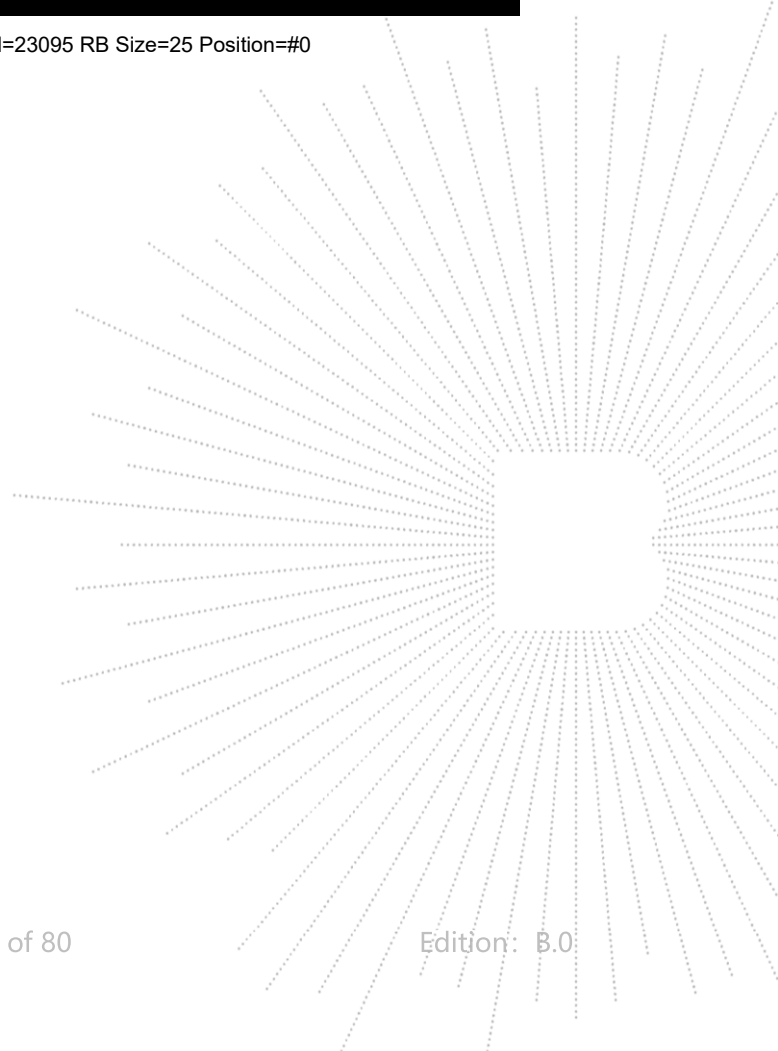
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0

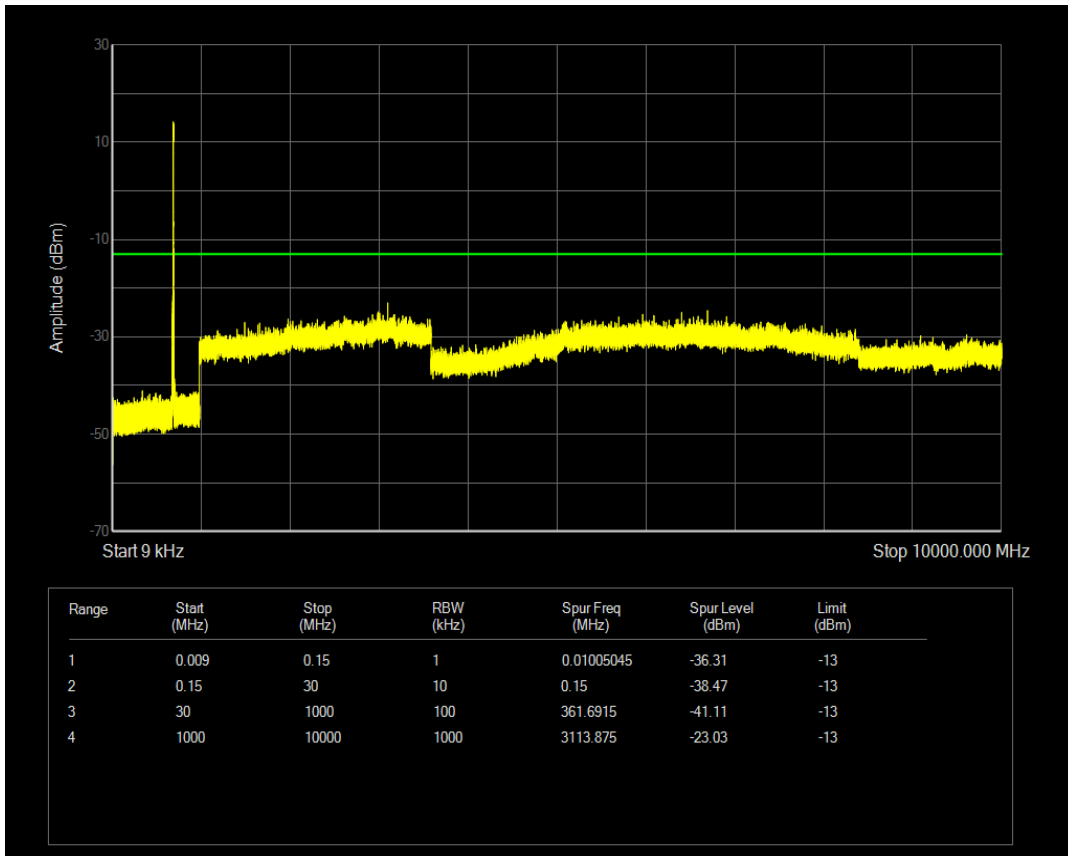


Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0

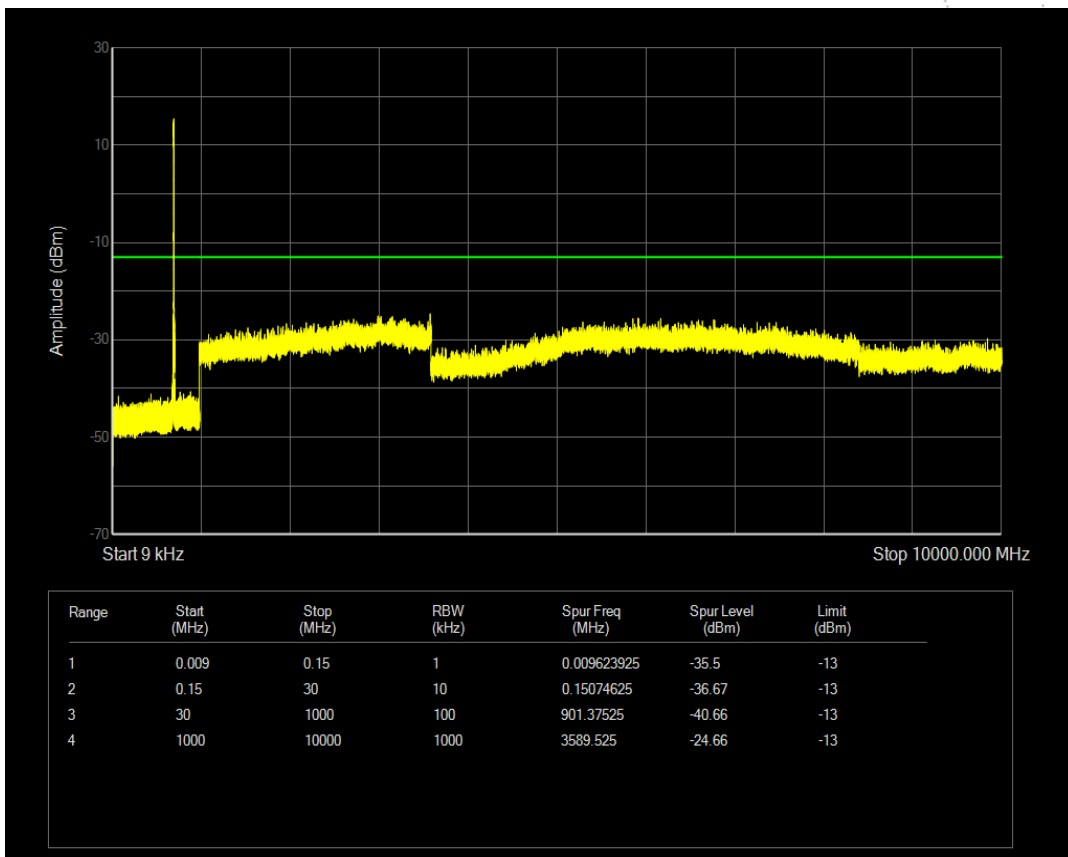


Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0

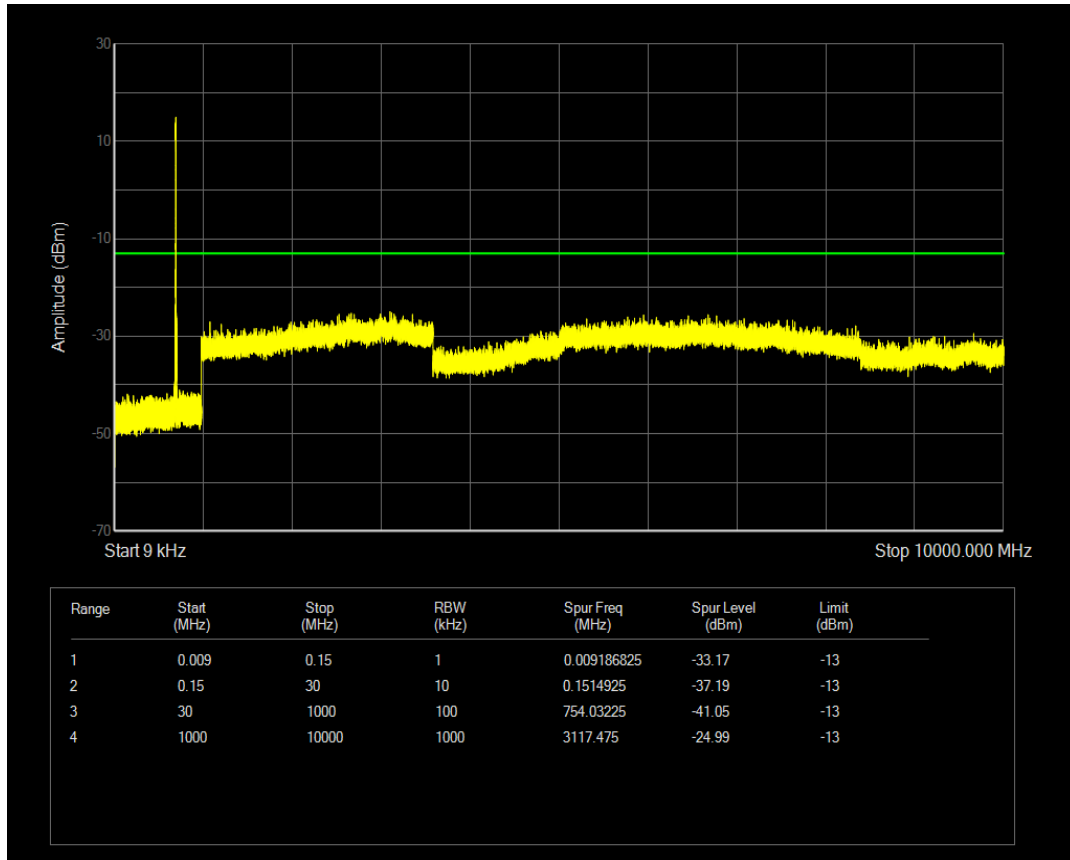




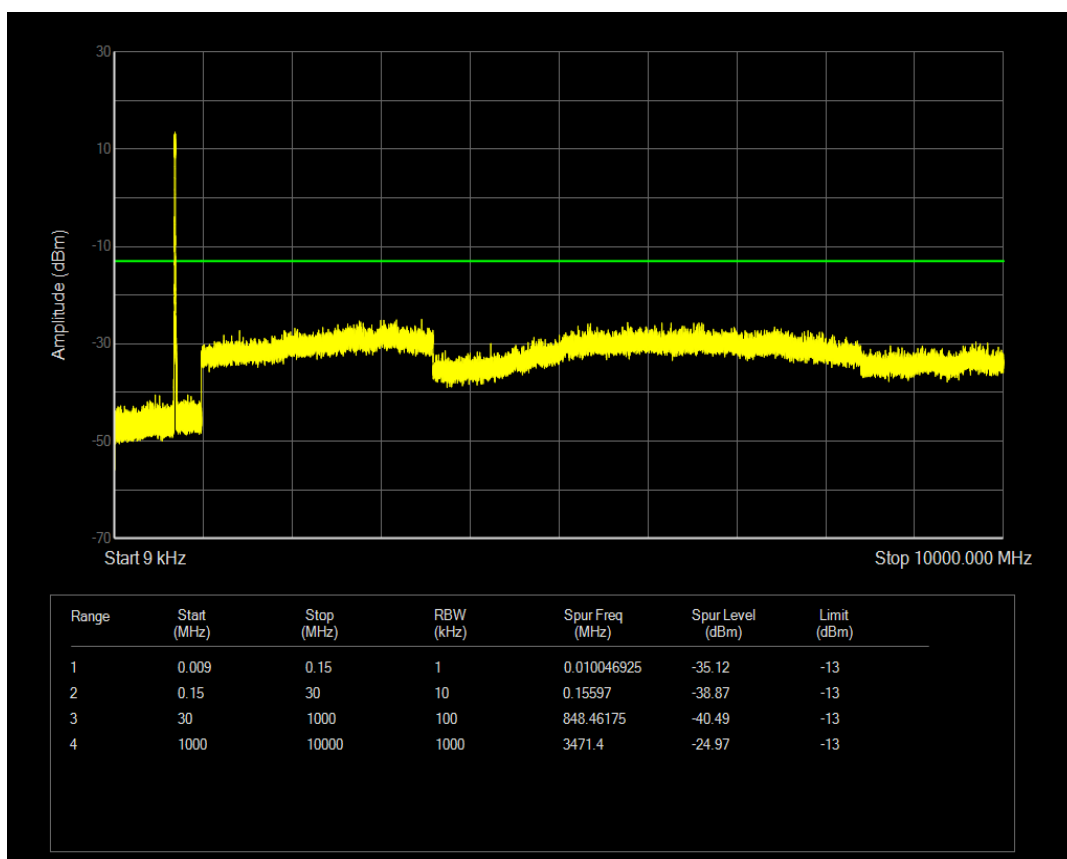
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



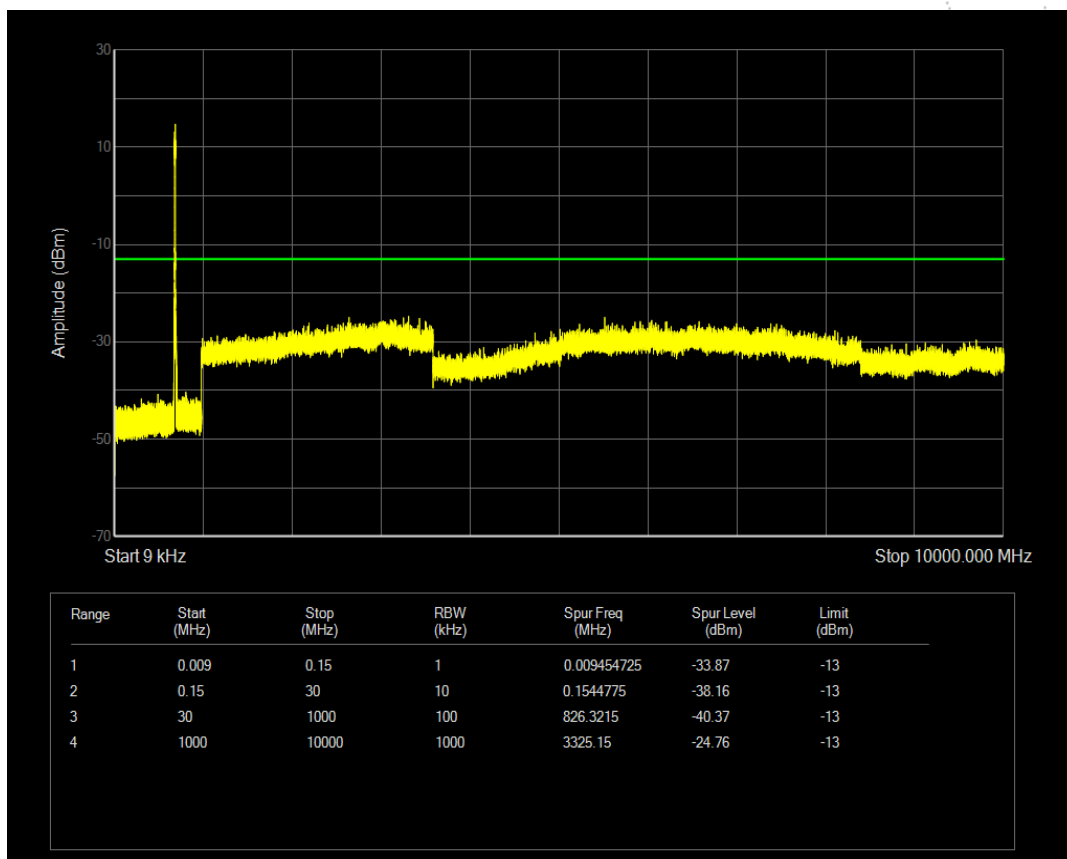
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



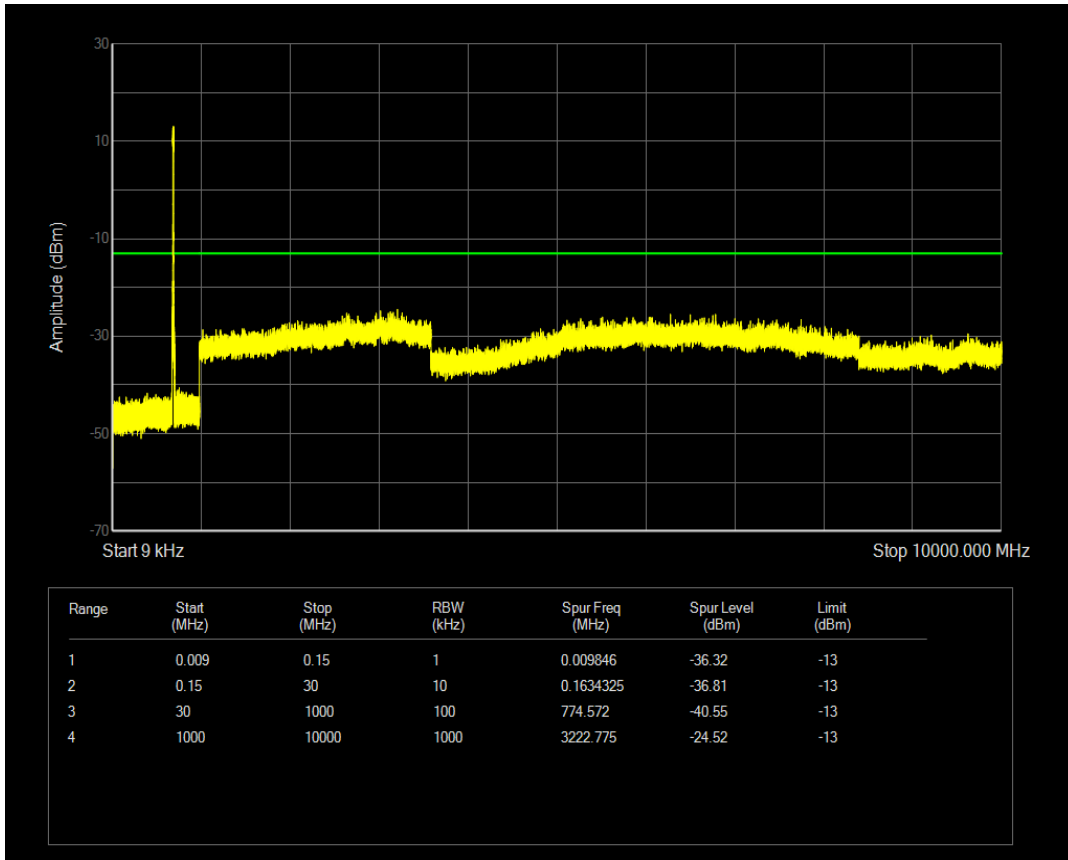
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



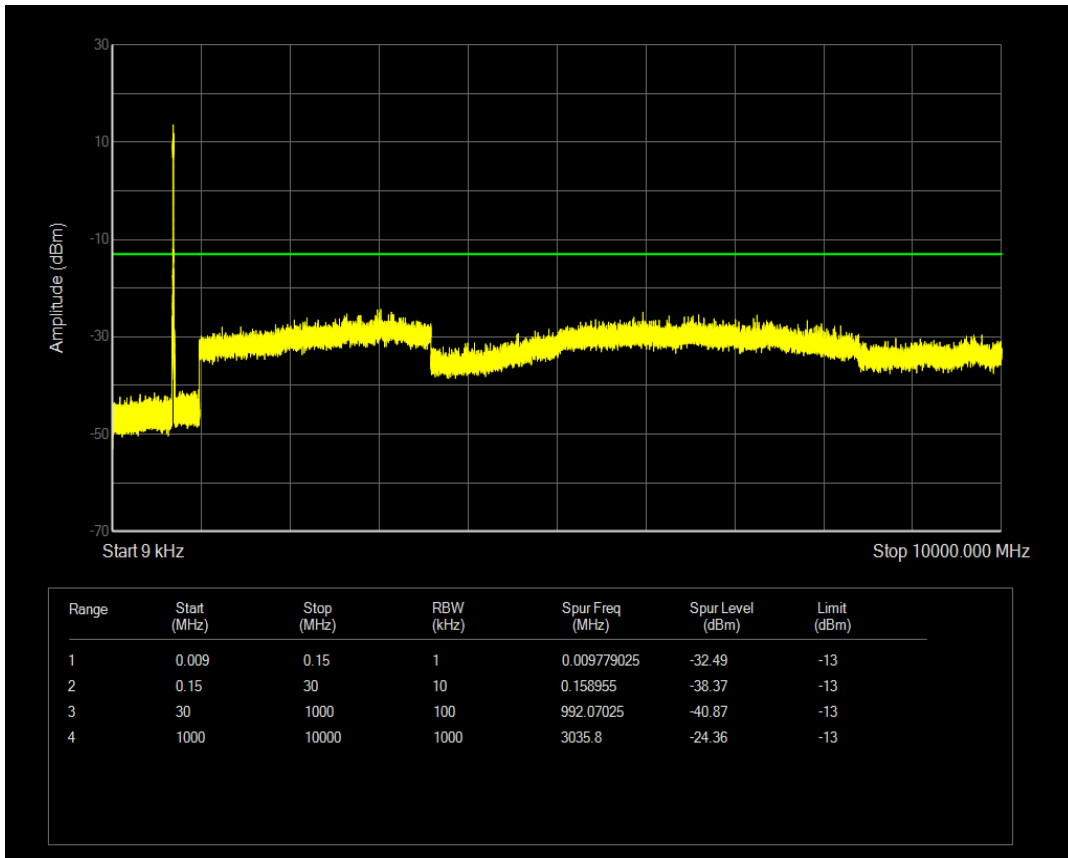
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



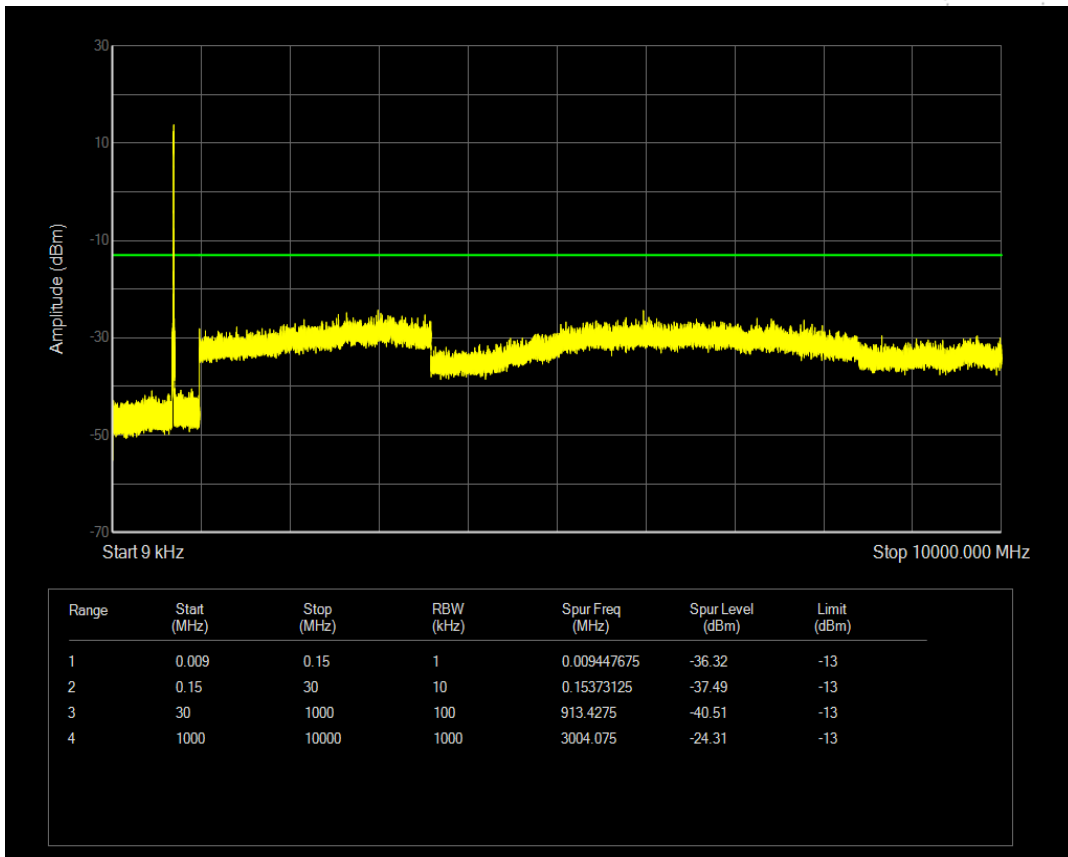
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



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

