

Appendix for Band 12

Report No.: BCTC2203264445-6E

Applicant: Emdoor Information Co.,Ltd.

Product Name: Rugged Tablet

Model/Type
reference: EM-I16H

Tested Date: 2022-03-31 to 2022-04-11

Issued Date: 2022-04-11

Shenzhen BCTC Testing Co., Ltd.

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Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Average Powe [dBm]	E.R.P [dBm]	Verdict
Band12	1.4	23017	1	#0	QPSK	24.3	22.65	PASS
Band12	1.4	23017	1	#Mid	QPSK	24.51	22.86	PASS
Band12	1.4	23017	1	#Max	QPSK	24.47	22.82	PASS
Band12	1.4	23017	3	#0	QPSK	24.23	22.58	PASS
Band12	1.4	23017	3	#Mid	QPSK	24.37	22.72	PASS
Band12	1.4	23017	3	#Max	QPSK	24.47	22.82	PASS
Band12	1.4	23017	6	#0	QPSK	23.37	21.72	PASS
Band12	1.4	23017	1	#0	QAM16	23.18	21.53	PASS
Band12	1.4	23017	1	#Mid	QAM16	23.31	21.66	PASS
Band12	1.4	23017	1	#Max	QAM16	23.17	21.52	PASS
Band12	1.4	23017	3	#0	QAM16	23.57	21.92	PASS
Band12	1.4	23017	3	#Mid	QAM16	23.58	21.93	PASS
Band12	1.4	23017	3	#Max	QAM16	23.42	21.77	PASS
Band12	1.4	23017	6	#0	QAM16	22.44	20.79	PASS
Band12	1.4	23095	1	#0	QPSK	24.48	22.83	PASS
Band12	1.4	23095	1	#Mid	QPSK	24.68	23.03	PASS
Band12	1.4	23095	1	#Max	QPSK	24.42	22.77	PASS
Band12	1.4	23095	3	#0	QPSK	24.3	22.65	PASS
Band12	1.4	23095	3	#Mid	QPSK	24.28	22.63	PASS
Band12	1.4	23095	3	#Max	QPSK	24.34	22.69	PASS
Band12	1.4	23095	6	#0	QPSK	23.43	21.78	PASS
Band12	1.4	23095	1	#0	QAM16	23.33	21.68	PASS
Band12	1.4	23095	1	#Mid	QAM16	23.51	21.86	PASS
Band12	1.4	23095	1	#Max	QAM16	23.29	21.64	PASS
Band12	1.4	23095	3	#0	QAM16	23.43	21.78	PASS
Band12	1.4	23095	3	#Mid	QAM16	23.47	21.82	PASS
Band12	1.4	23095	3	#Max	QAM16	23.36	21.71	PASS
Band12	1.4	23095	6	#0	QAM16	22.48	20.83	PASS
Band12	1.4	23173	1	#0	QPSK	23.92	22.27	PASS
Band12	1.4	23173	1	#Mid	QPSK	24.17	22.52	PASS
Band12	1.4	23173	1	#Max	QPSK	24.24	22.59	PASS
Band12	1.4	23173	3	#0	QPSK	24.24	22.59	PASS
Band12	1.4	23173	3	#Mid	QPSK	24.41	22.76	PASS
Band12	1.4	23173	3	#Max	QPSK	24.16	22.51	PASS
Band12	1.4	23173	6	#0	QPSK	23.33	21.68	PASS
Band12	1.4	23173	1	#0	QAM16	23.14	21.49	PASS
Band12	1.4	23173	1	#Mid	QAM16	23.17	21.52	PASS

Band12	1.4	23173	1	#Max	QAM16	23.12	21.47	PASS
Band12	1.4	23173	3	#0	QAM16	23.2	21.55	PASS
Band12	1.4	23173	3	#Mid	QAM16	23.29	21.64	PASS
Band12	1.4	23173	3	#Max	QAM16	23.59	21.94	PASS
Band12	1.4	23173	6	#0	QAM16	22.5	20.85	PASS
Band12	3	23025	1	#0	QPSK	24.32	22.67	PASS
Band12	3	23025	1	#Mid	QPSK	24.43	22.78	PASS
Band12	3	23025	1	#Max	QPSK	24.5	22.85	PASS
Band12	3	23025	8	#0	QPSK	23.36	21.71	PASS
Band12	3	23025	8	#Mid	QPSK	23.37	21.72	PASS
Band12	3	23025	8	#Max	QPSK	23.39	21.74	PASS
Band12	3	23025	15	#0	QPSK	23.32	21.67	PASS
Band12	3	23025	1	#0	QAM16	23.76	22.11	PASS
Band12	3	23025	1	#Mid	QAM16	23.63	21.98	PASS
Band12	3	23025	1	#Max	QAM16	23.71	22.06	PASS
Band12	3	23025	8	#0	QAM16	22.04	20.39	PASS
Band12	3	23025	8	#Mid	QAM16	22.06	20.41	PASS
Band12	3	23025	8	#Max	QAM16	22.06	20.41	PASS
Band12	3	23025	15	#0	QAM16	22.39	20.74	PASS
Band12	3	23095	1	#0	QPSK	24.32	22.67	PASS
Band12	3	23095	1	#Mid	QPSK	24.35	22.70	PASS
Band12	3	23095	1	#Max	QPSK	24.12	22.47	PASS
Band12	3	23095	8	#0	QPSK	23.42	21.77	PASS
Band12	3	23095	8	#Mid	QPSK	23.41	21.76	PASS
Band12	3	23095	8	#Max	QPSK	23.25	21.60	PASS
Band12	3	23095	15	#0	QPSK	23.38	21.73	PASS
Band12	3	23095	1	#0	QAM16	23.16	21.51	PASS
Band12	3	23095	1	#Mid	QAM16	23.02	21.37	PASS
Band12	3	23095	1	#Max	QAM16	23	21.35	PASS
Band12	3	23095	8	#0	QAM16	22.28	20.63	PASS
Band12	3	23095	8	#Mid	QAM16	22.31	20.66	PASS
Band12	3	23095	8	#Max	QAM16	22.2	20.55	PASS
Band12	3	23095	15	#0	QAM16	22.38	20.73	PASS
Band12	3	23165	1	#0	QPSK	24.25	22.60	PASS
Band12	3	23165	1	#Mid	QPSK	24.37	22.72	PASS
Band12	3	23165	1	#Max	QPSK	24.54	22.89	PASS
Band12	3	23165	8	#0	QPSK	23.41	21.76	PASS
Band12	3	23165	8	#Mid	QPSK	23.46	21.81	PASS
Band12	3	23165	8	#Max	QPSK	23.4	21.75	PASS
Band12	3	23165	15	#0	QPSK	23.34	21.69	PASS
Band12	3	23165	1	#0	QAM16	23.23	21.58	PASS
Band12	3	23165	1	#Mid	QAM16	23.16	21.51	PASS
Band12	3	23165	1	#Max	QAM16	23.27	21.62	PASS

Band12	3	23165	8	#0	QAM16	22.09	20.44	PASS
Band12	3	23165	8	#Mid	QAM16	22.16	20.51	PASS
Band12	3	23165	8	#Max	QAM16	22.25	20.60	PASS
Band12	3	23165	15	#0	QAM16	22.42	20.77	PASS
Band12	5	23035	1	#0	QPSK	24.19	22.54	PASS
Band12	5	23035	1	#Mid	QPSK	24.45	22.80	PASS
Band12	5	23035	1	#Max	QPSK	24.36	22.71	PASS
Band12	5	23035	12	#0	QPSK	23.47	21.82	PASS
Band12	5	23035	12	#Mid	QPSK	23.41	21.76	PASS
Band12	5	23035	12	#Max	QPSK	23.4	21.75	PASS
Band12	5	23035	25	#0	QPSK	23.34	21.69	PASS
Band12	5	23035	1	#0	QAM16	23.39	21.74	PASS
Band12	5	23035	1	#Mid	QAM16	23.3	21.65	PASS
Band12	5	23035	1	#Max	QAM16	23.62	21.97	PASS
Band12	5	23035	12	#0	QAM16	22.11	20.46	PASS
Band12	5	23035	12	#Mid	QAM16	22.15	20.50	PASS
Band12	5	23035	12	#Max	QAM16	22.33	20.68	PASS
Band12	5	23035	25	#0	QAM16	22.44	20.79	PASS
Band12	5	23095	1	#0	QPSK	24.39	22.74	PASS
Band12	5	23095	1	#Mid	QPSK	24.3	22.65	PASS
Band12	5	23095	1	#Max	QPSK	24.1	22.45	PASS
Band12	5	23095	12	#0	QPSK	23.38	21.73	PASS
Band12	5	23095	12	#Mid	QPSK	23.46	21.81	PASS
Band12	5	23095	12	#Max	QPSK	23.38	21.73	PASS
Band12	5	23095	25	#0	QPSK	23.41	21.76	PASS
Band12	5	23095	1	#0	QAM16	23.41	21.76	PASS
Band12	5	23095	1	#Mid	QAM16	23.46	21.81	PASS
Band12	5	23095	1	#Max	QAM16	23.13	21.48	PASS
Band12	5	23095	12	#0	QAM16	22.11	20.46	PASS
Band12	5	23095	12	#Mid	QAM16	22.23	20.58	PASS
Band12	5	23095	12	#Max	QAM16	22.2	20.55	PASS
Band12	5	23095	25	#0	QAM16	22.33	20.68	PASS
Band12	5	23155	1	#0	QPSK	24.29	22.64	PASS
Band12	5	23155	1	#Mid	QPSK	24.4	22.75	PASS
Band12	5	23155	1	#Max	QPSK	24.33	22.68	PASS
Band12	5	23155	12	#0	QPSK	23.39	21.74	PASS
Band12	5	23155	12	#Mid	QPSK	23.4	21.75	PASS
Band12	5	23155	12	#Max	QPSK	23.32	21.67	PASS
Band12	5	23155	25	#0	QPSK	23.31	21.66	PASS
Band12	5	23155	1	#0	QAM16	23.43	21.78	PASS
Band12	5	23155	1	#Mid	QAM16	23.51	21.86	PASS
Band12	5	23155	1	#Max	QAM16	23.33	21.68	PASS
Band12	5	23155	12	#0	QAM16	22.31	20.66	PASS

Band12	5	23155	12	#Mid	QAM16	22.3	20.65	PASS
Band12	5	23155	12	#Max	QAM16	22.39	20.74	PASS
Band12	5	23155	25	#0	QAM16	22.42	20.77	PASS
Band12	10	23060	1	#0	QPSK	24.17	22.52	PASS
Band12	10	23060	1	#Mid	QPSK	24.4	22.75	PASS
Band12	10	23060	1	#Max	QPSK	24.35	22.70	PASS
Band12	10	23060	25	#0	QPSK	23.27	21.62	PASS
Band12	10	23060	25	#Mid	QPSK	23.48	21.83	PASS
Band12	10	23060	25	#Max	QPSK	23.47	21.82	PASS
Band12	10	23060	50	#0	QPSK	23.43	21.78	PASS
Band12	10	23060	1	#0	QAM16	23.62	21.97	PASS
Band12	10	23060	1	#Mid	QAM16	23.85	22.20	PASS
Band12	10	23060	1	#Max	QAM16	23.71	22.06	PASS
Band12	10	23060	25	#0	QAM16	22.32	20.67	PASS
Band12	10	23060	25	#Mid	QAM16	22.44	20.79	PASS
Band12	10	23060	25	#Max	QAM16	22.41	20.76	PASS
Band12	10	23060	50	#0	QAM16	22.43	20.78	PASS
Band12	10	23095	1	#0	QPSK	24.19	22.54	PASS
Band12	10	23095	1	#Mid	QPSK	24.35	22.70	PASS
Band12	10	23095	1	#Max	QPSK	24.2	22.55	PASS
Band12	10	23095	25	#0	QPSK	23.34	21.69	PASS
Band12	10	23095	25	#Mid	QPSK	23.4	21.75	PASS
Band12	10	23095	25	#Max	QPSK	23.37	21.72	PASS
Band12	10	23095	50	#0	QPSK	23.36	21.71	PASS
Band12	10	23095	1	#0	QAM16	23.01	21.36	PASS
Band12	10	23095	1	#Mid	QAM16	23.09	21.44	PASS
Band12	10	23095	1	#Max	QAM16	22.94	21.29	PASS
Band12	10	23095	25	#0	QAM16	22.37	20.72	PASS
Band12	10	23095	25	#Mid	QAM16	22.6	20.95	PASS
Band12	10	23095	25	#Max	QAM16	22.58	20.93	PASS
Band12	10	23095	50	#0	QAM16	22.5	20.85	PASS
Band12	10	23130	1	#0	QPSK	24.27	22.62	PASS
Band12	10	23130	1	#Mid	QPSK	24.61	22.96	PASS
Band12	10	23130	1	#Max	QPSK	24.23	22.58	PASS
Band12	10	23130	25	#0	QPSK	23.47	21.82	PASS
Band12	10	23130	25	#Mid	QPSK	23.49	21.84	PASS
Band12	10	23130	25	#Max	QPSK	23.37	21.72	PASS
Band12	10	23130	50	#0	QPSK	23.39	21.74	PASS
Band12	10	23130	1	#0	QAM16	23.23	21.58	PASS
Band12	10	23130	1	#Mid	QAM16	23.29	21.64	PASS
Band12	10	23130	1	#Max	QAM16	23	21.35	PASS
Band12	10	23130	25	#0	QAM16	22.48	20.83	PASS
Band12	10	23130	25	#Mid	QAM16	22.48	20.83	PASS

Band12	10	23130	25	#Max	QAM16	22.51	20.86	PASS
Band12	10	23130	50	#0	QAM16	22.41	20.76	PASS

Appendix 2. Frequency stability

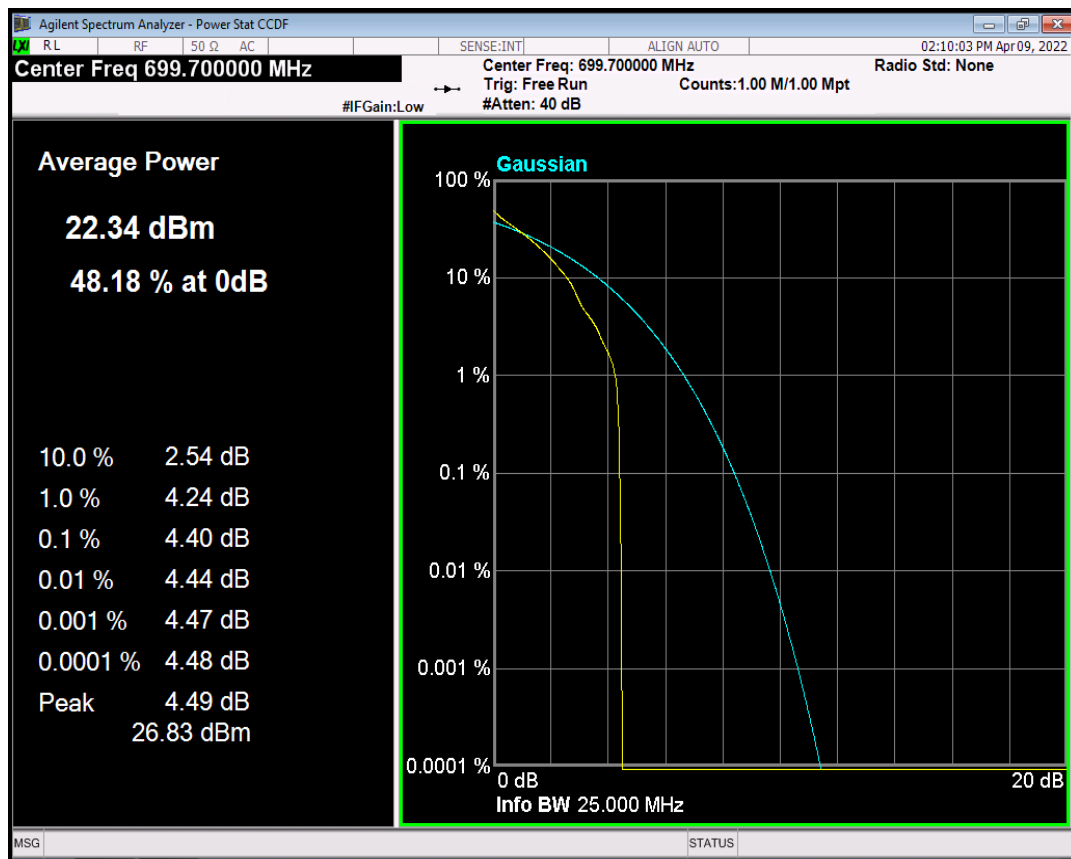
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band12	1.4	23017	6	#0	QPSK	-1.33	-0.002	-2.5	2.5	PASS
Band12	1.4	23017	6	#0	QAM16	-0.80	-0.001	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	QPSK	-1.20	-0.002	-2.5	2.5	PASS
Band12	1.4	23095	6	#0	QAM16	-0.97	-0.001	-2.5	2.5	PASS
Band12	1.4	23173	6	#0	QPSK	0.31	0.000	-2.5	2.5	PASS
Band12	1.4	23173	6	#0	QAM16	-1.30	-0.002	-2.5	2.5	PASS
Band12	3	23025	15	#0	QPSK	-2.07	-0.003	-2.5	2.5	PASS
Band12	3	23025	15	#0	QAM16	-2.03	-0.003	-2.5	2.5	PASS
Band12	3	23095	15	#0	QPSK	-0.56	-0.001	-2.5	2.5	PASS
Band12	3	23095	15	#0	QAM16	-1.49	-0.002	-2.5	2.5	PASS
Band12	3	23165	15	#0	QPSK	-1.02	-0.001	-2.5	2.5	PASS
Band12	3	23165	15	#0	QAM16	-0.92	-0.001	-2.5	2.5	PASS
Band12	5	23035	25	#0	QPSK	-1.34	-0.002	-2.5	2.5	PASS
Band12	5	23035	25	#0	QAM16	-1.03	-0.001	-2.5	2.5	PASS
Band12	5	23095	25	#0	QPSK	-0.86	-0.001	-2.5	2.5	PASS
Band12	5	23095	25	#0	QAM16	-1.49	-0.002	-2.5	2.5	PASS
Band12	5	23155	25	#0	QPSK	-0.46	-0.001	-2.5	2.5	PASS
Band12	5	23155	25	#0	QAM16	-1.19	-0.002	-2.5	2.5	PASS
Band12	10	23060	50	#0	QPSK	-0.19	0.000	-2.5	2.5	PASS
Band12	10	23060	50	#0	QAM16	-0.43	-0.001	-2.5	2.5	PASS
Band12	10	23095	50	#0	QPSK	-2.02	-0.003	-2.5	2.5	PASS
Band12	10	23095	50	#0	QAM16	-1.67	-0.002	-2.5	2.5	PASS
Band12	10	23130	50	#0	QPSK	-2.43	-0.003	-2.5	2.5	PASS
Band12	10	23130	50	#0	QAM16	-1.86	-0.003	-2.5	2.5	PASS

Appendix 3. Peak-to-Average Ratio

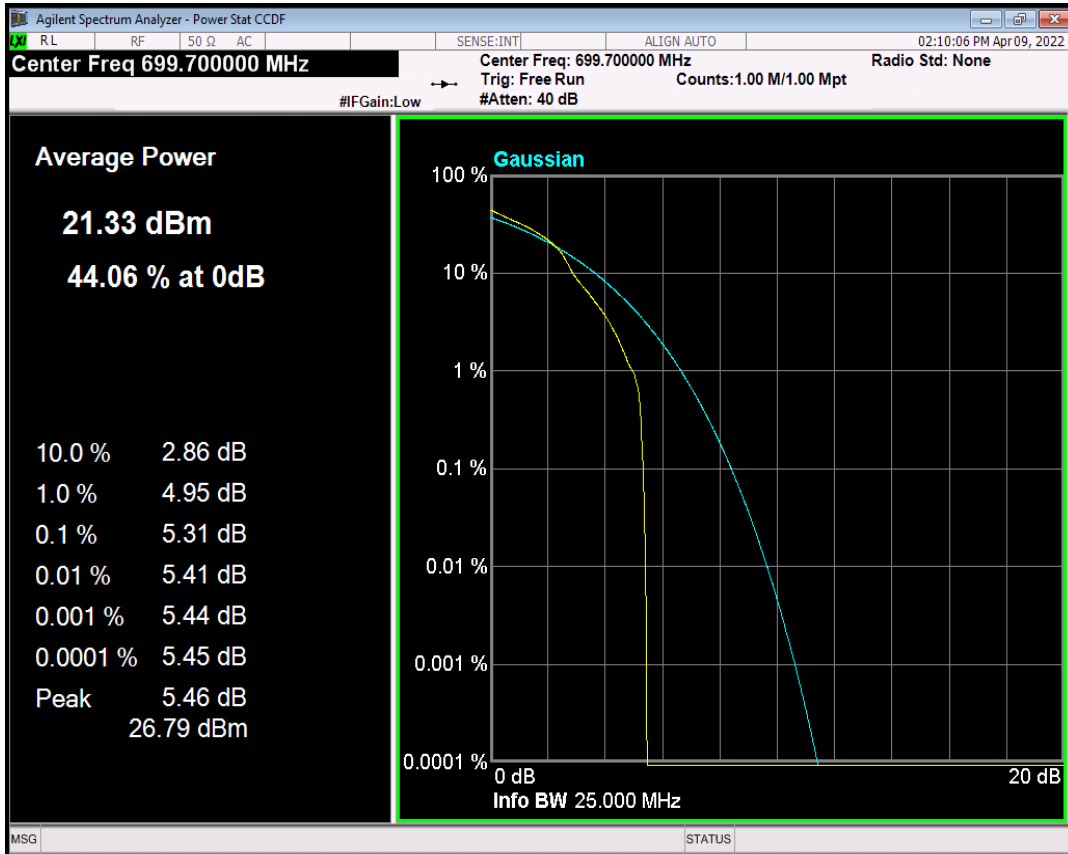
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	4.40	13	PASS
Band12	1.4	23017	1	#0	QAM16	5.31	13	PASS
Band12	1.4	23095	1	#0	QPSK	4.48	13	PASS
Band12	1.4	23095	1	#0	QAM16	5.40	13	PASS
Band12	1.4	23173	1	#0	QPSK	4.35	13	PASS

Band12	1.4	23173	1	#0	QAM16	5.22	13	PASS
Band12	3	23025	1	#0	QPSK	4.41	13	PASS
Band12	3	23025	1	#0	QAM16	5.24	13	PASS
Band12	3	23095	1	#0	QPSK	4.45	13	PASS
Band12	3	23095	1	#0	QAM16	5.33	13	PASS
Band12	3	23165	1	#0	QPSK	4.46	13	PASS
Band12	3	23165	1	#0	QAM16	5.31	13	PASS
Band12	5	23035	1	#0	QPSK	4.42	13	PASS
Band12	5	23035	1	#0	QAM16	5.20	13	PASS
Band12	5	23095	1	#0	QPSK	4.43	13	PASS
Band12	5	23095	1	#0	QAM16	5.18	13	PASS
Band12	5	23155	1	#0	QPSK	4.40	13	PASS
Band12	5	23155	1	#0	QAM16	5.06	13	PASS
Band12	10	23060	1	#0	QPSK	4.36	13	PASS
Band12	10	23060	1	#0	QAM16	5.26	13	PASS
Band12	10	23095	1	#0	QPSK	4.41	13	PASS
Band12	10	23095	1	#0	QAM16	5.31	13	PASS
Band12	10	23130	1	#0	QPSK	4.45	13	PASS
Band12	10	23130	1	#0	QAM16	5.35	13	PASS

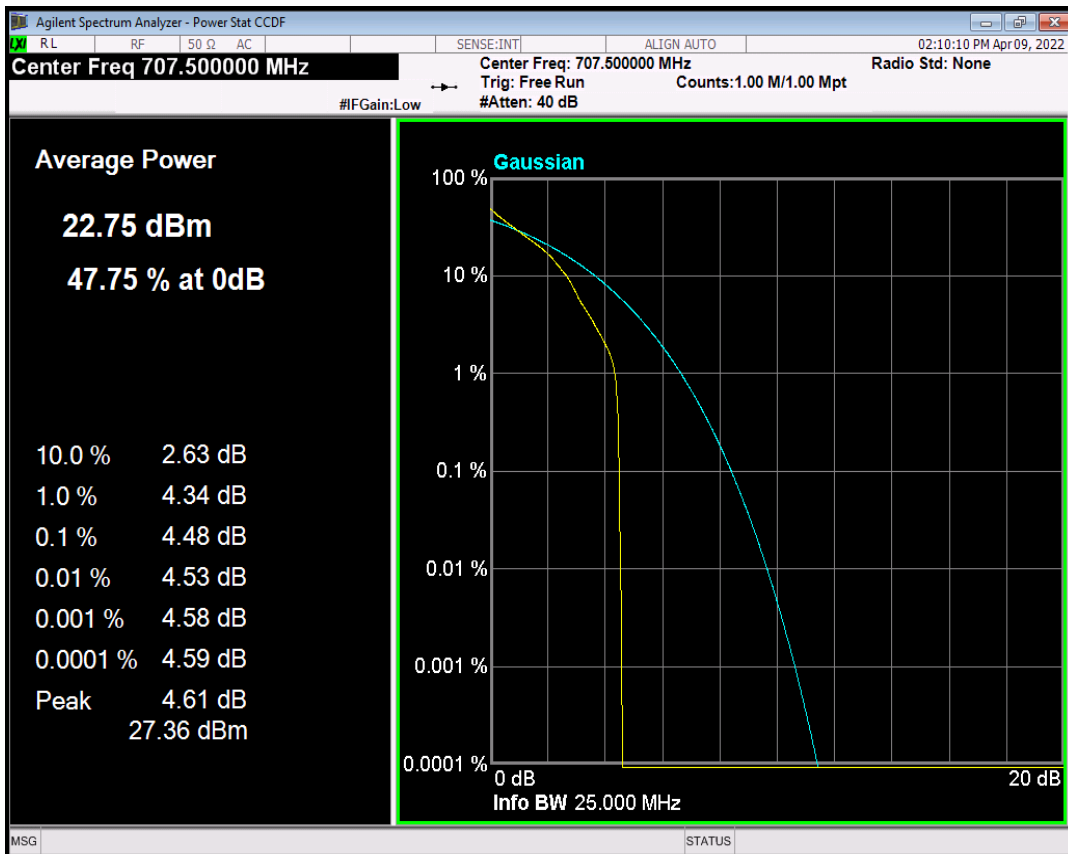
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



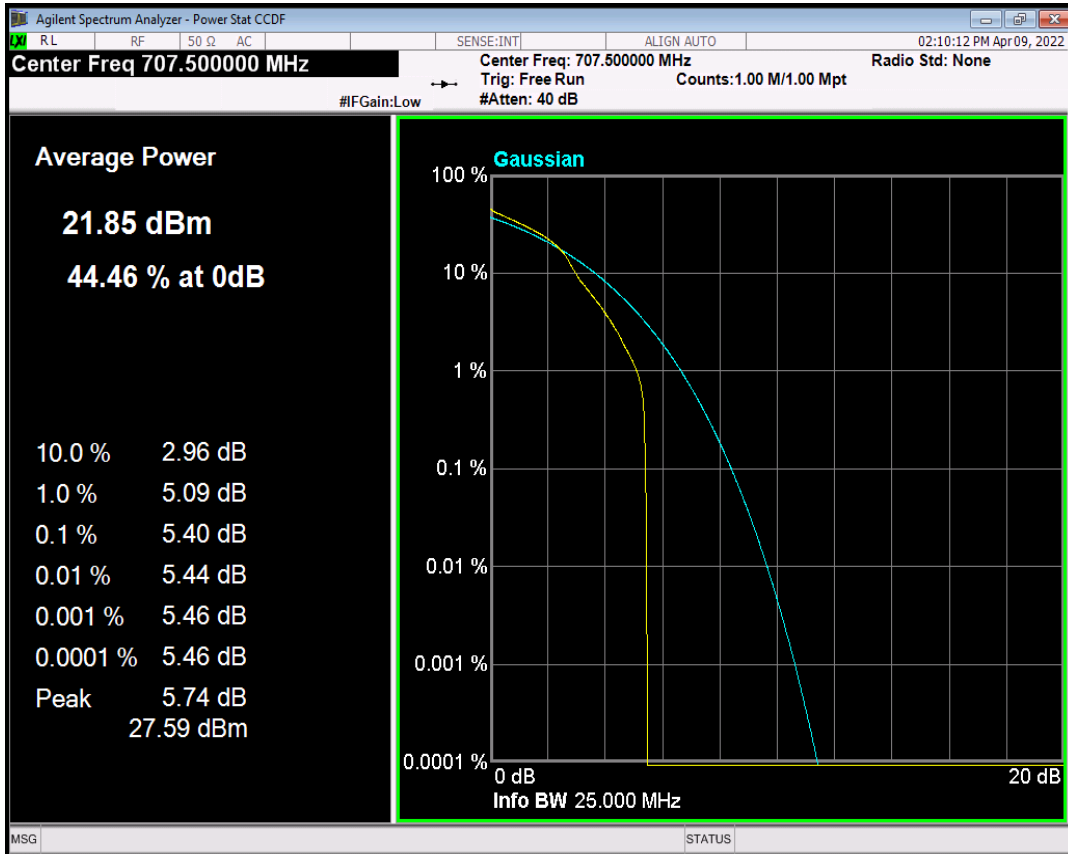
Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=1 Position=#0



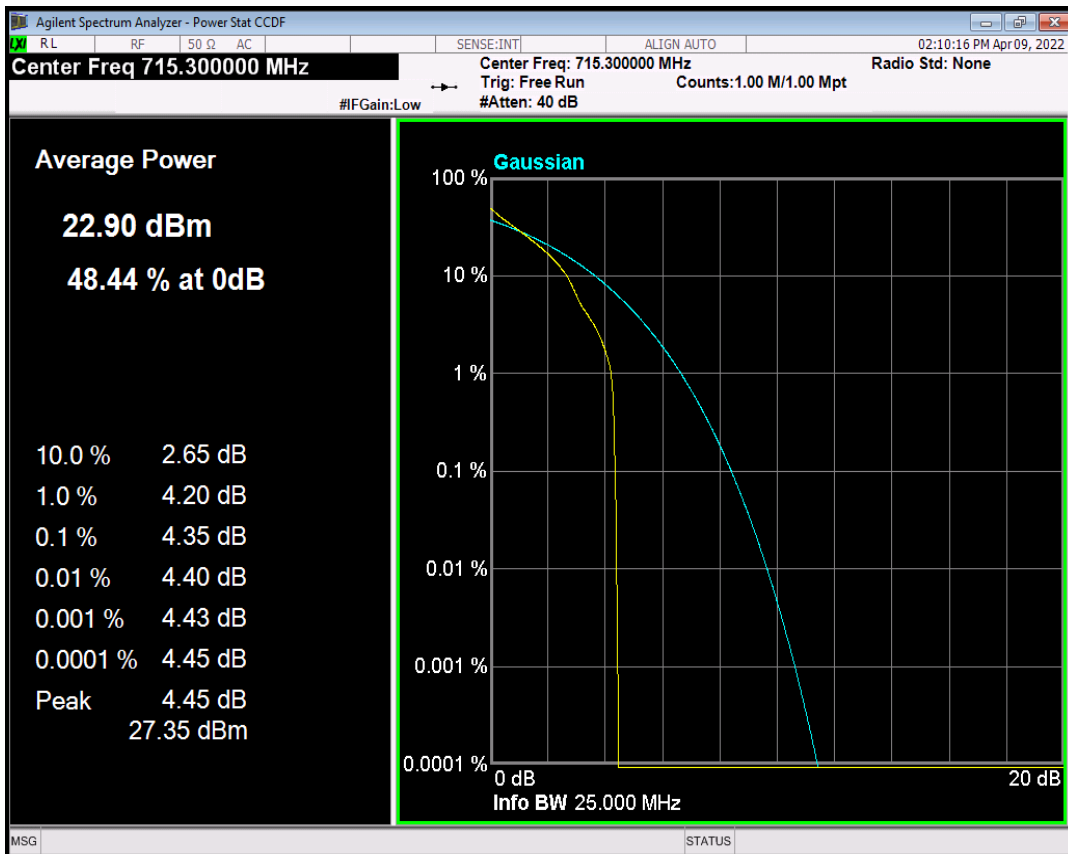
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



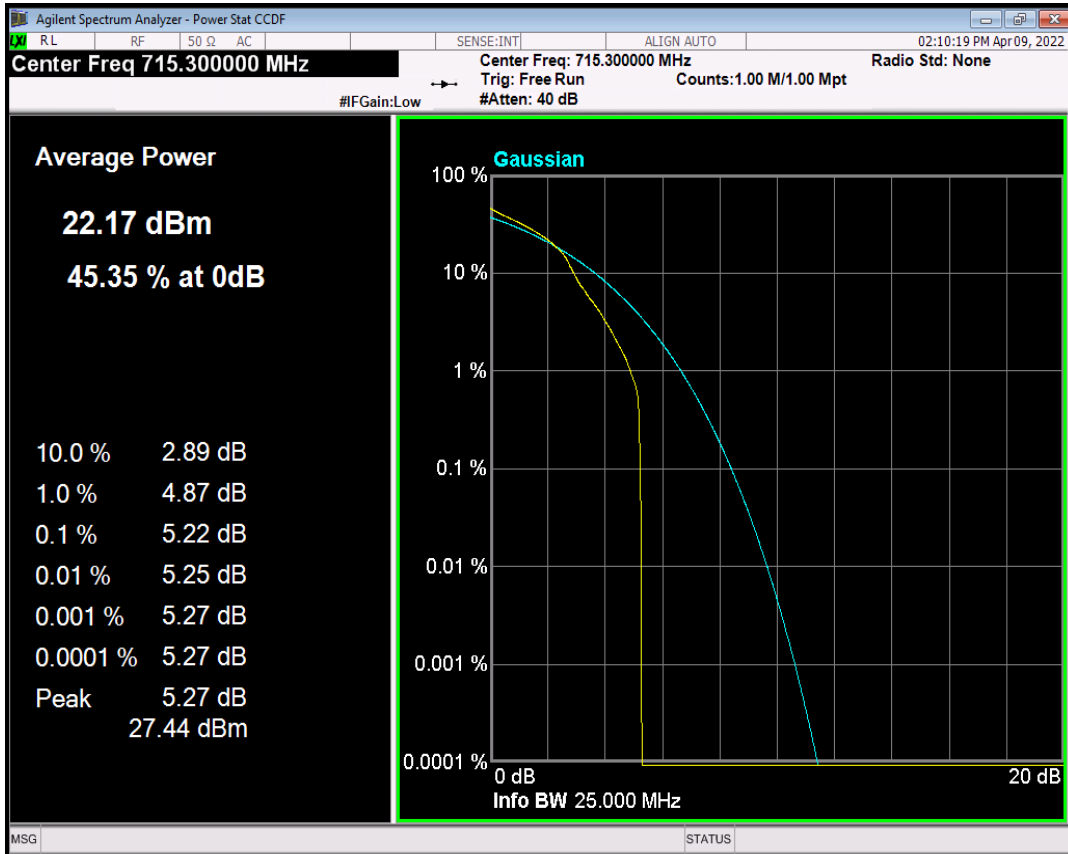
Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=1 Position=#0



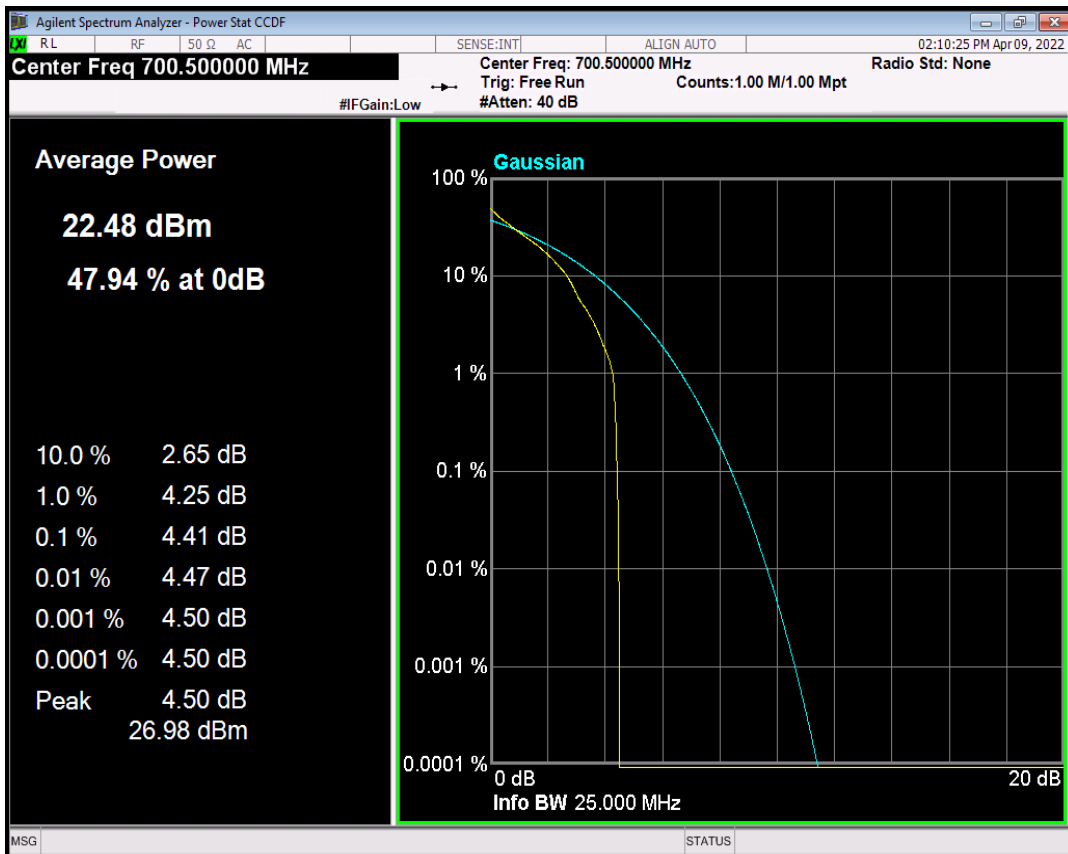
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



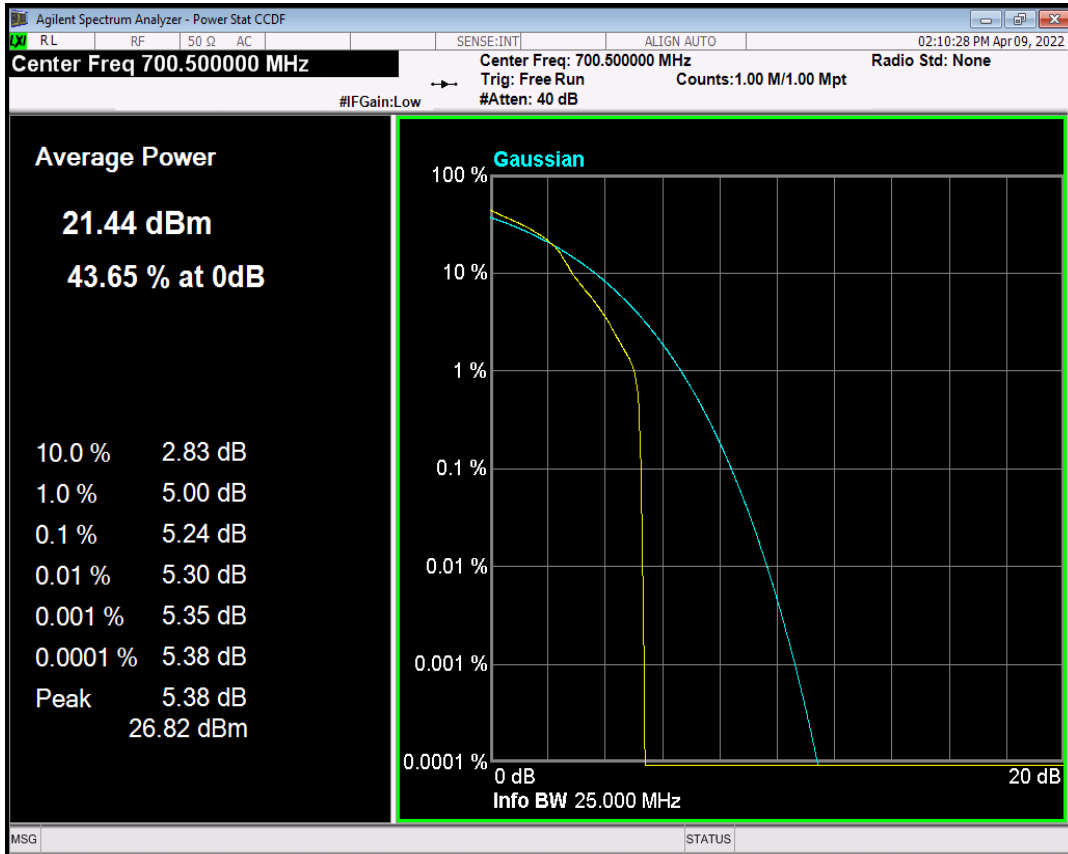
Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=1 Position=#0



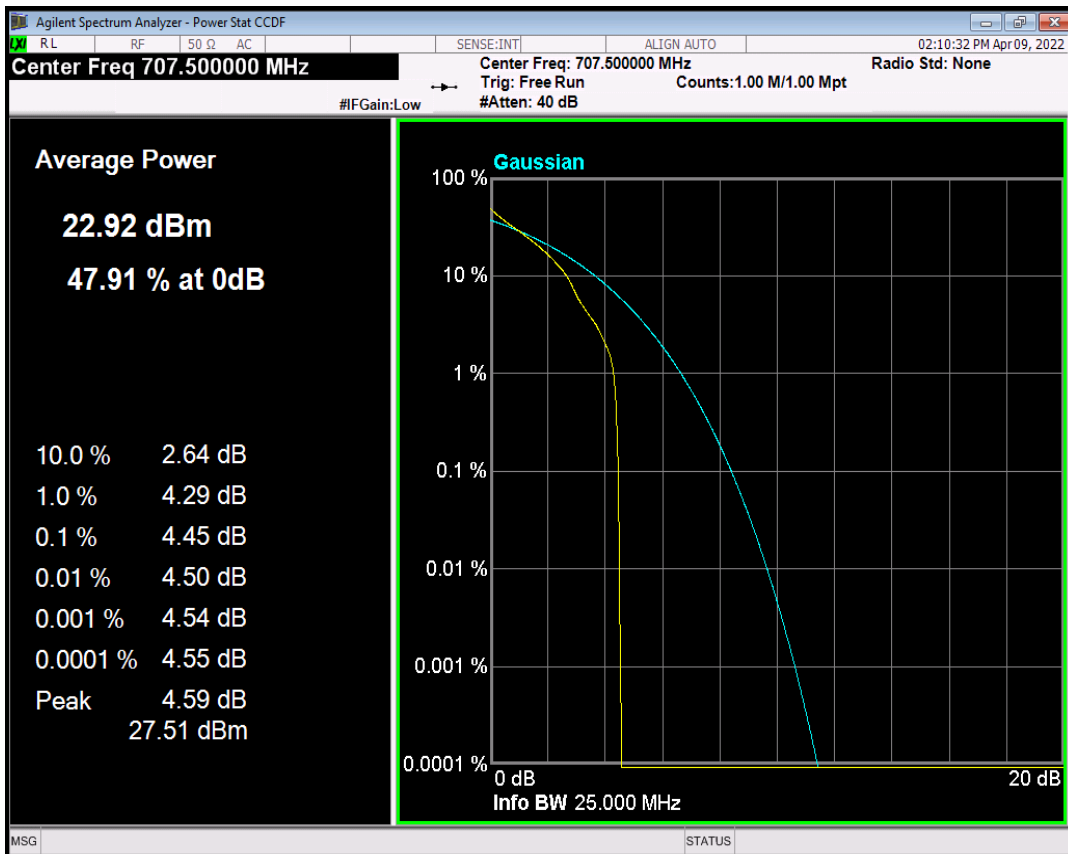
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



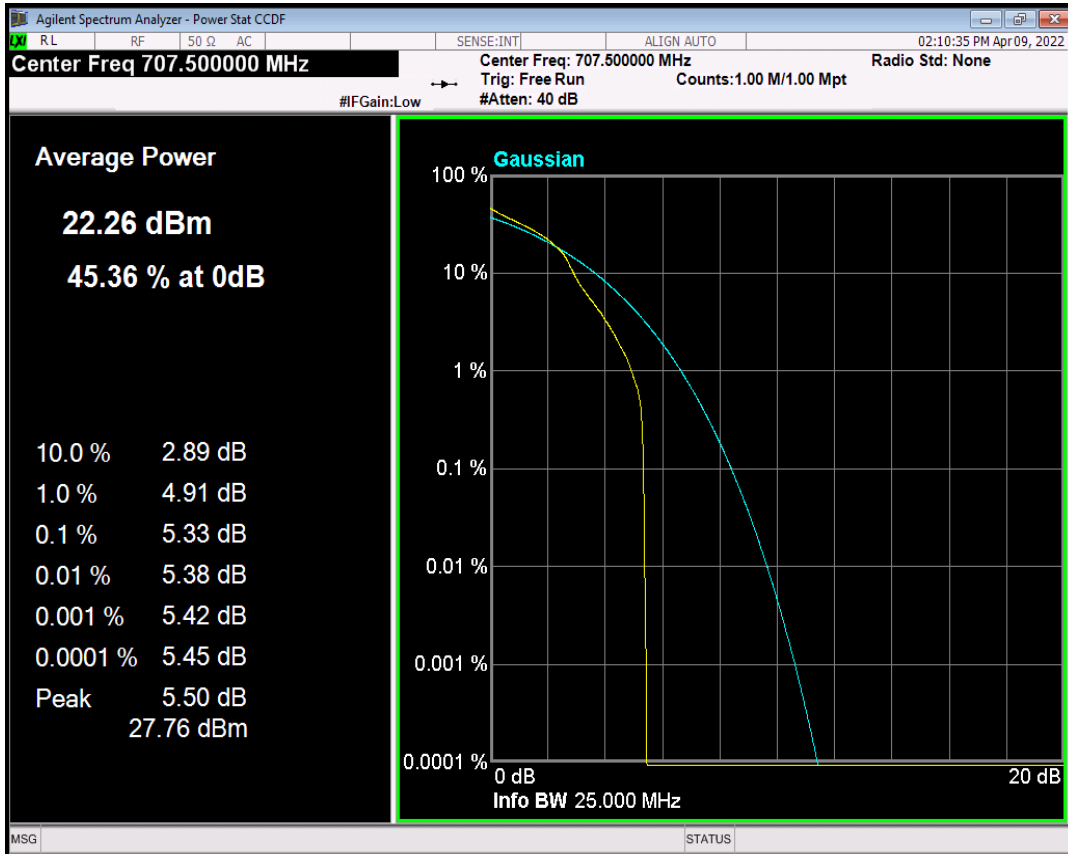
Band12 QAM16 BW=3MHz Channel=23025 RB Size=1 Position=#0



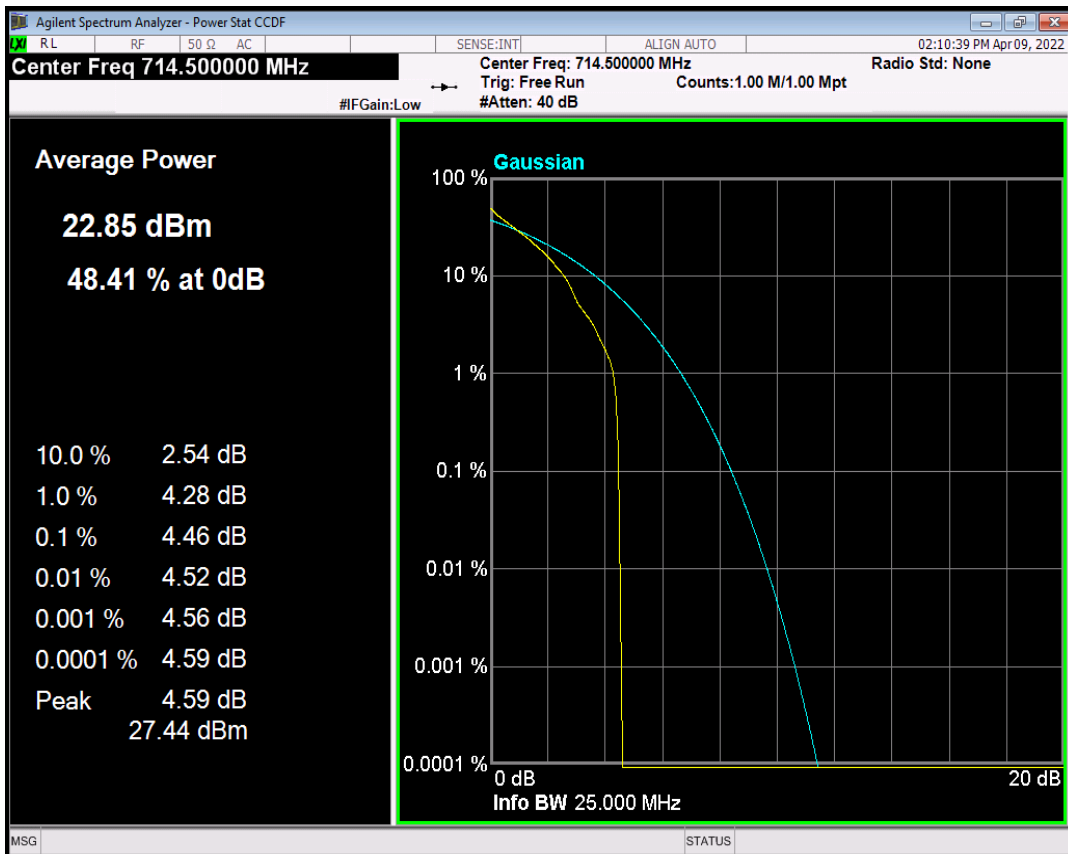
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



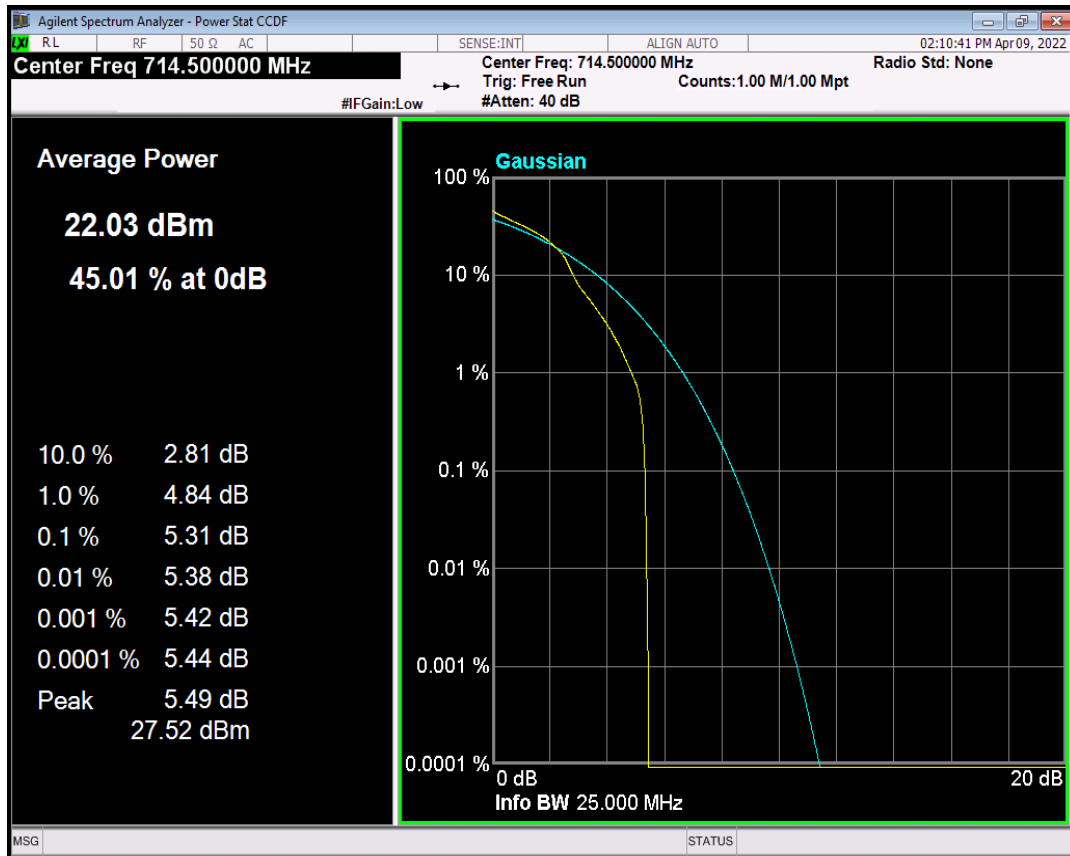
Band12 QAM16 BW=3MHz Channel=23095 RB Size=1 Position=#0



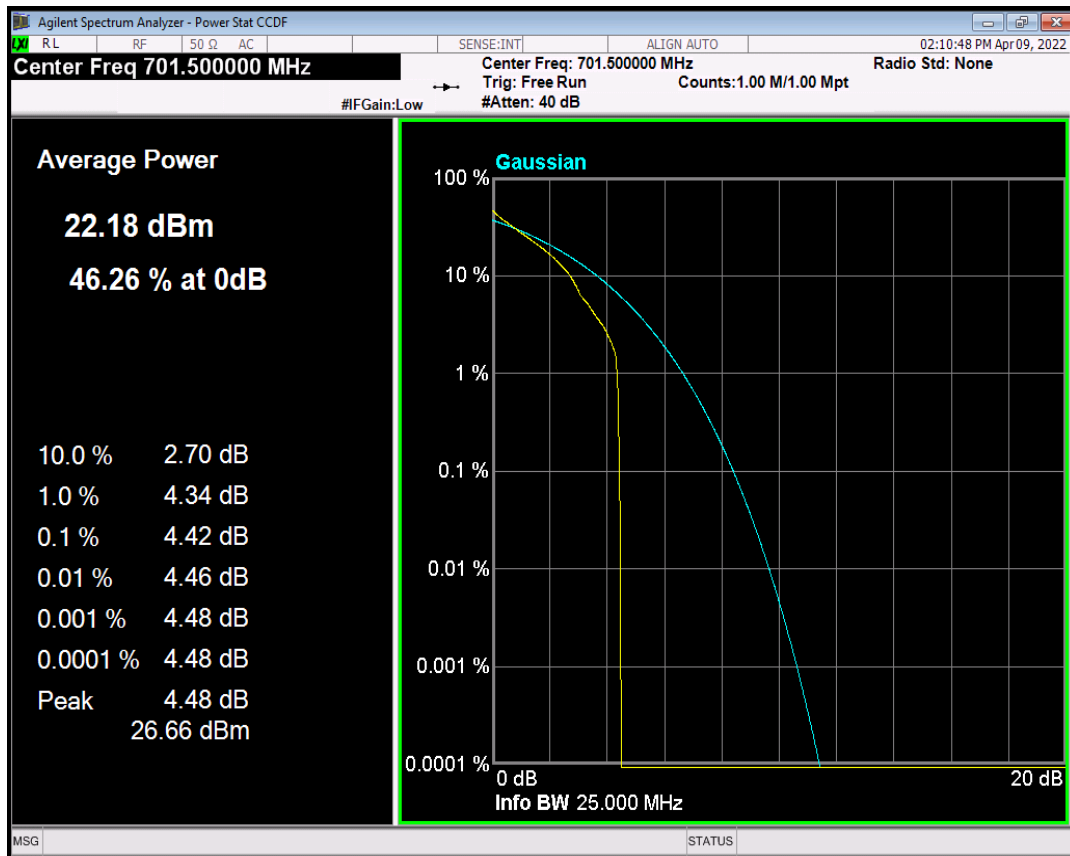
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



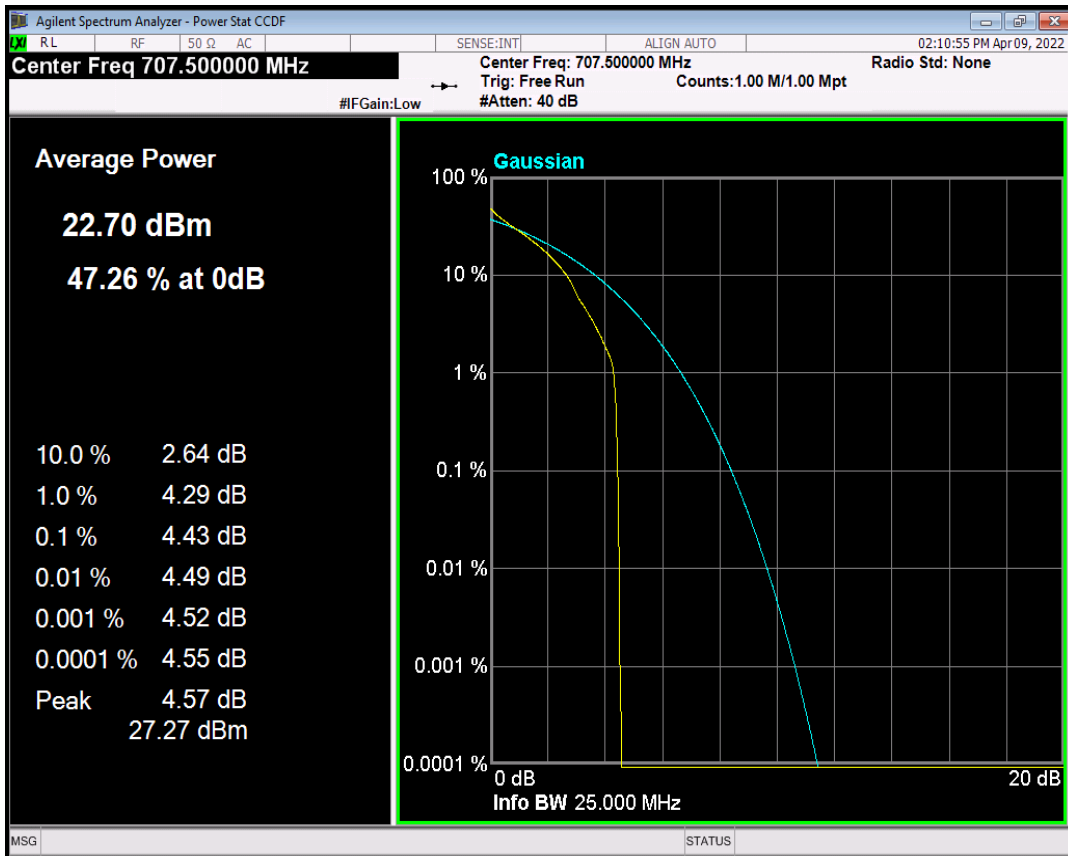
Band12 QAM16 BW=3MHz Channel=23165 RB Size=1 Position=#0



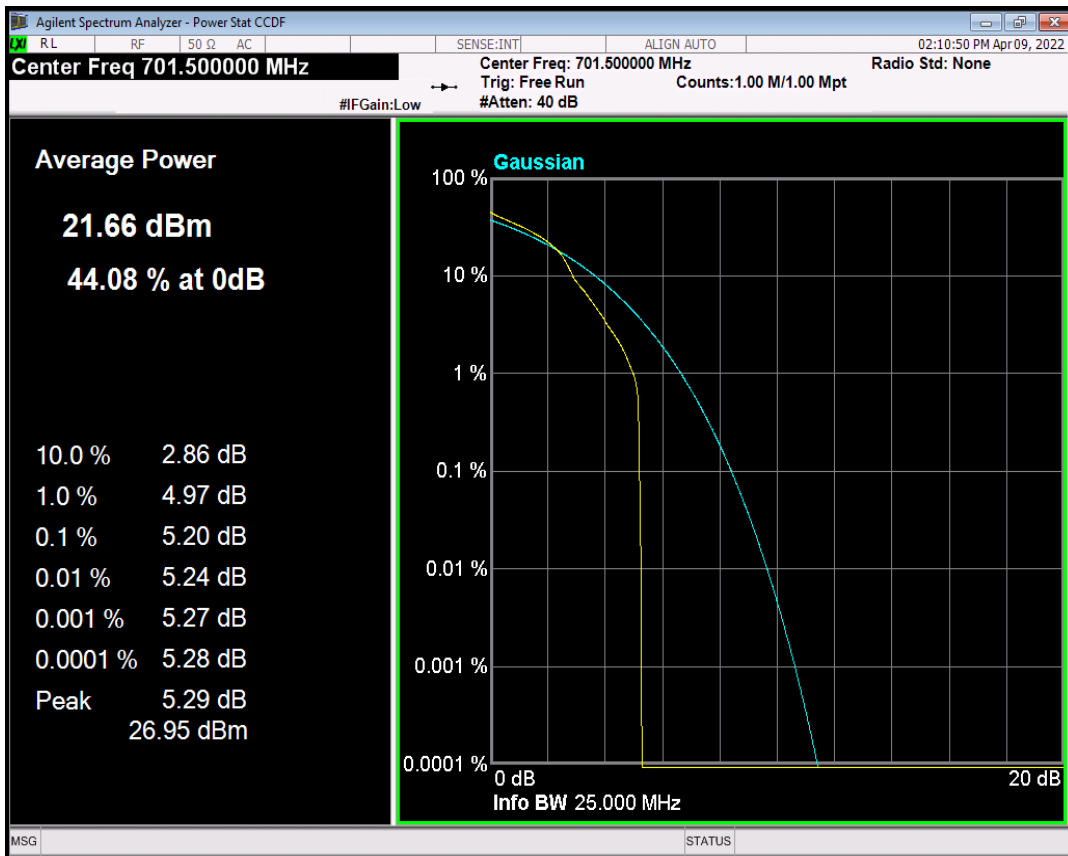
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



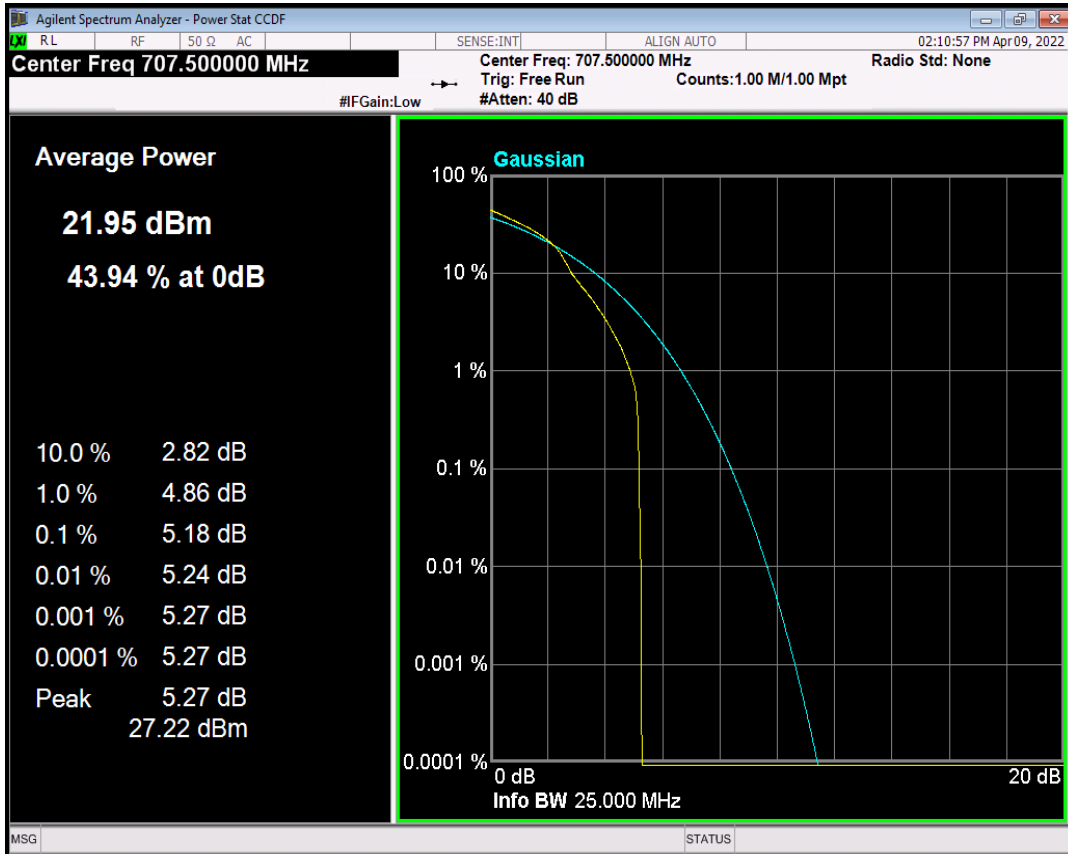
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



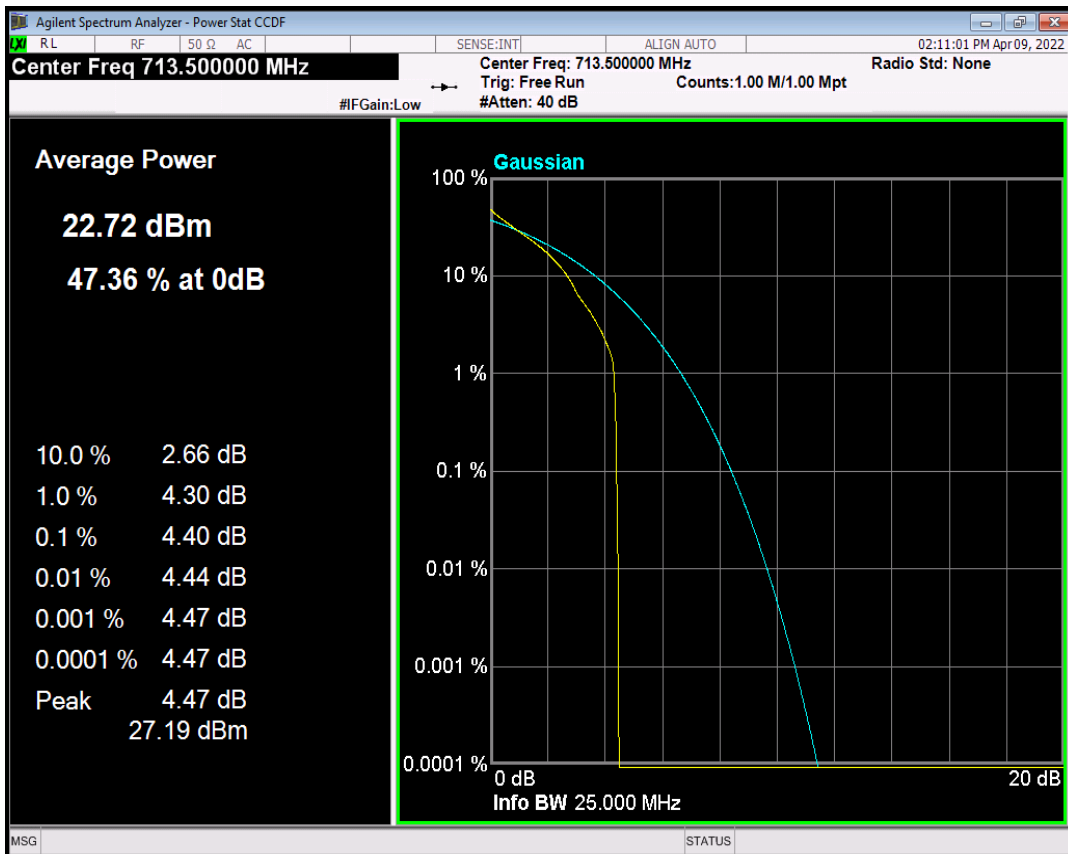
Band12 QAM16 BW=5MHz Channel=23035 RB Size=1 Position=#0



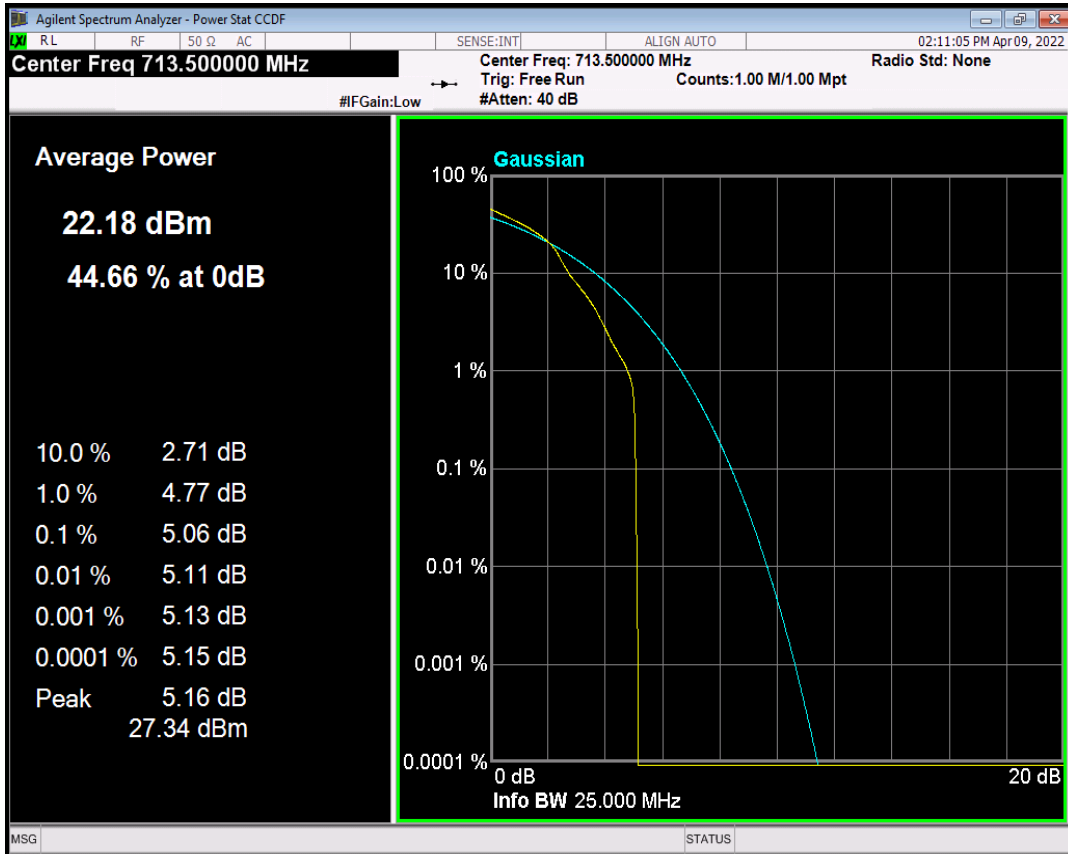
Band12 QAM16 BW=5MHz Channel=23095 RB Size=1 Position=#0



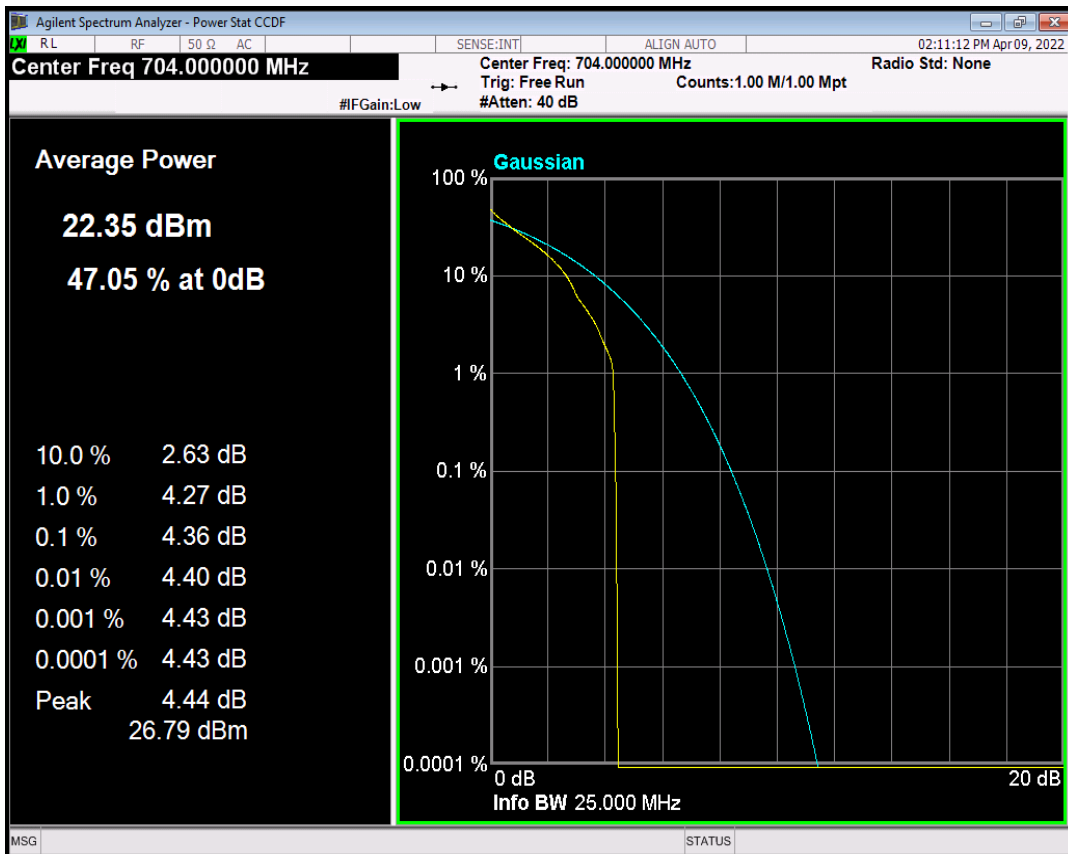
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



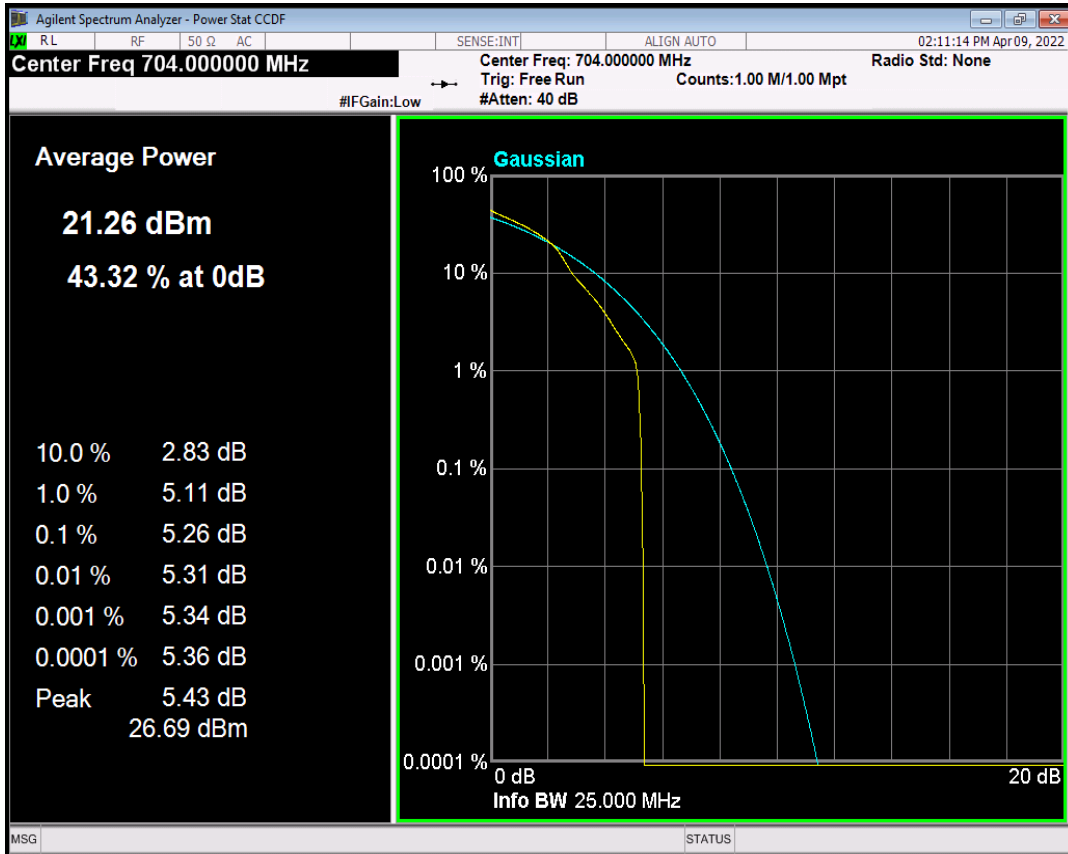
Band12 QAM16 BW=5MHz Channel=23155 RB Size=1 Position=#0



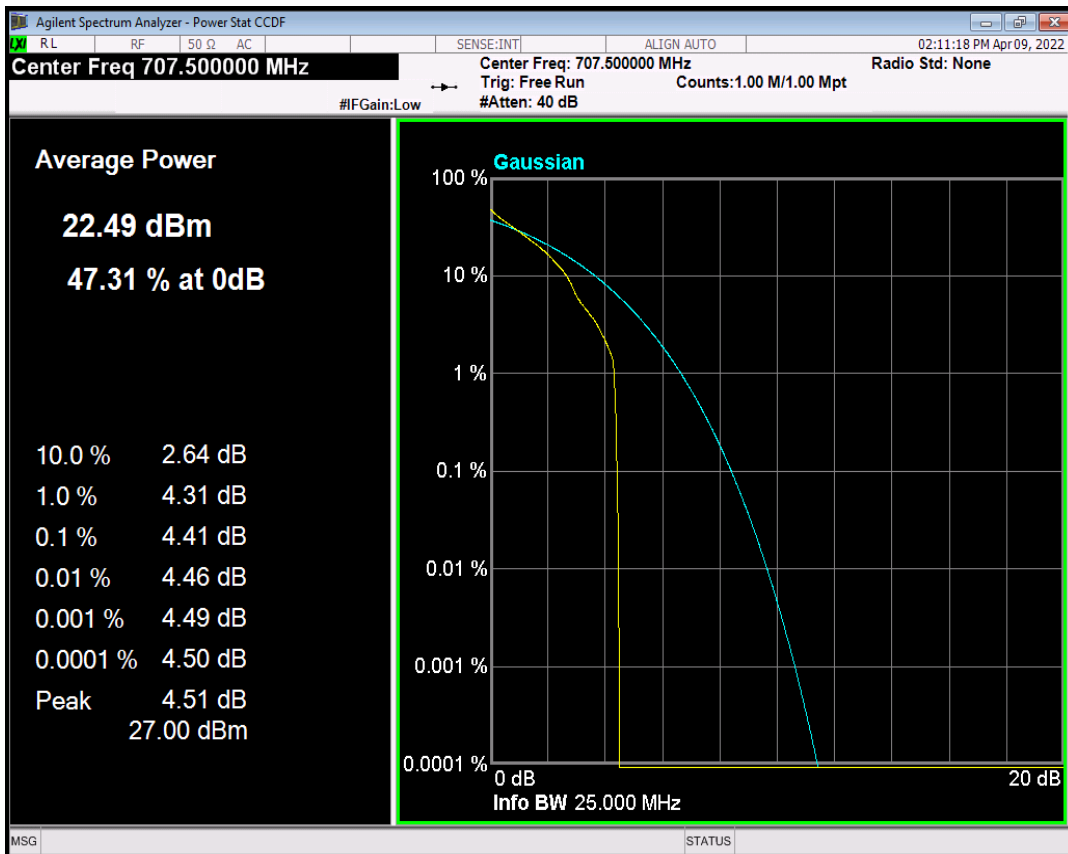
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



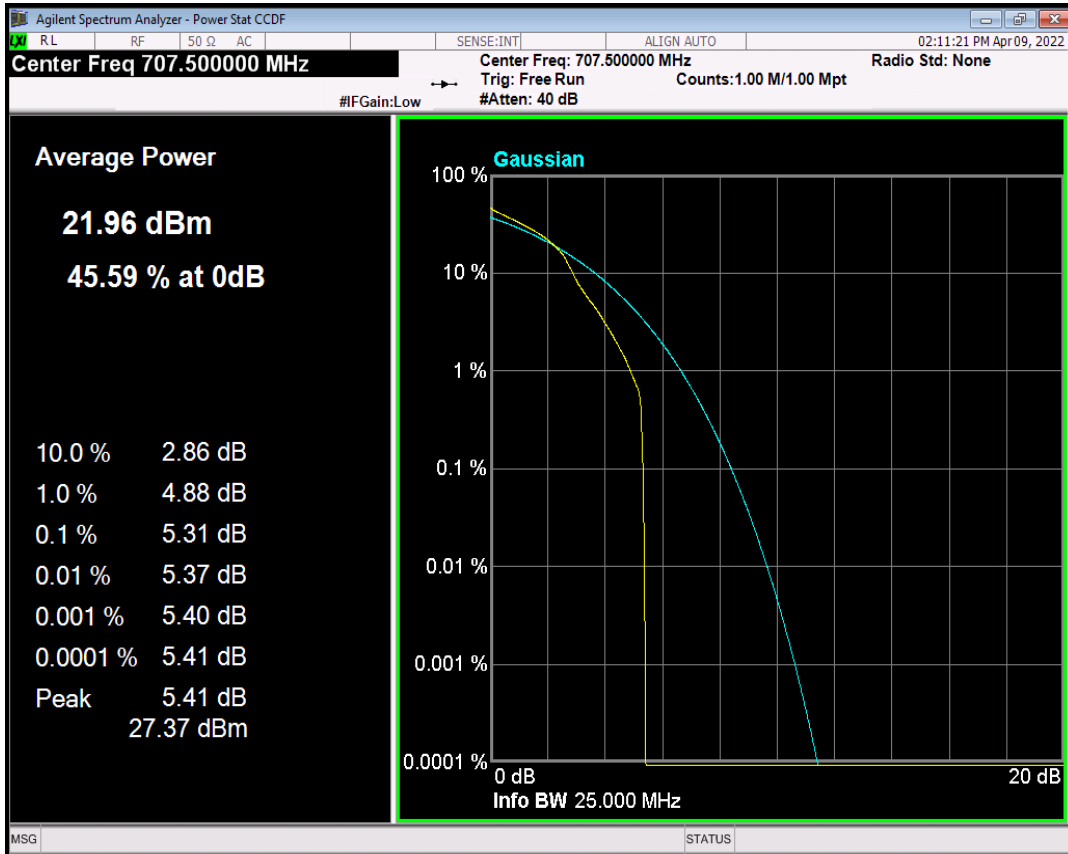
Band12 QAM16 BW=10MHz Channel=23060 RB Size=1 Position=#0



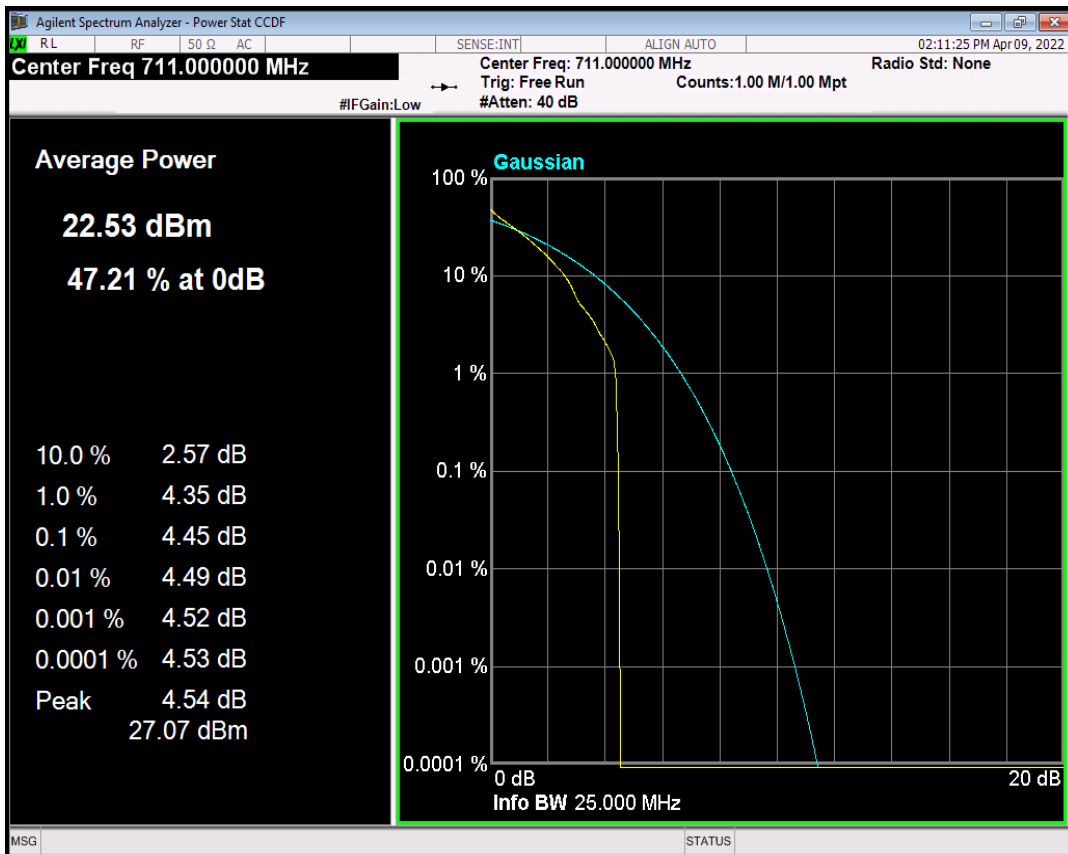
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



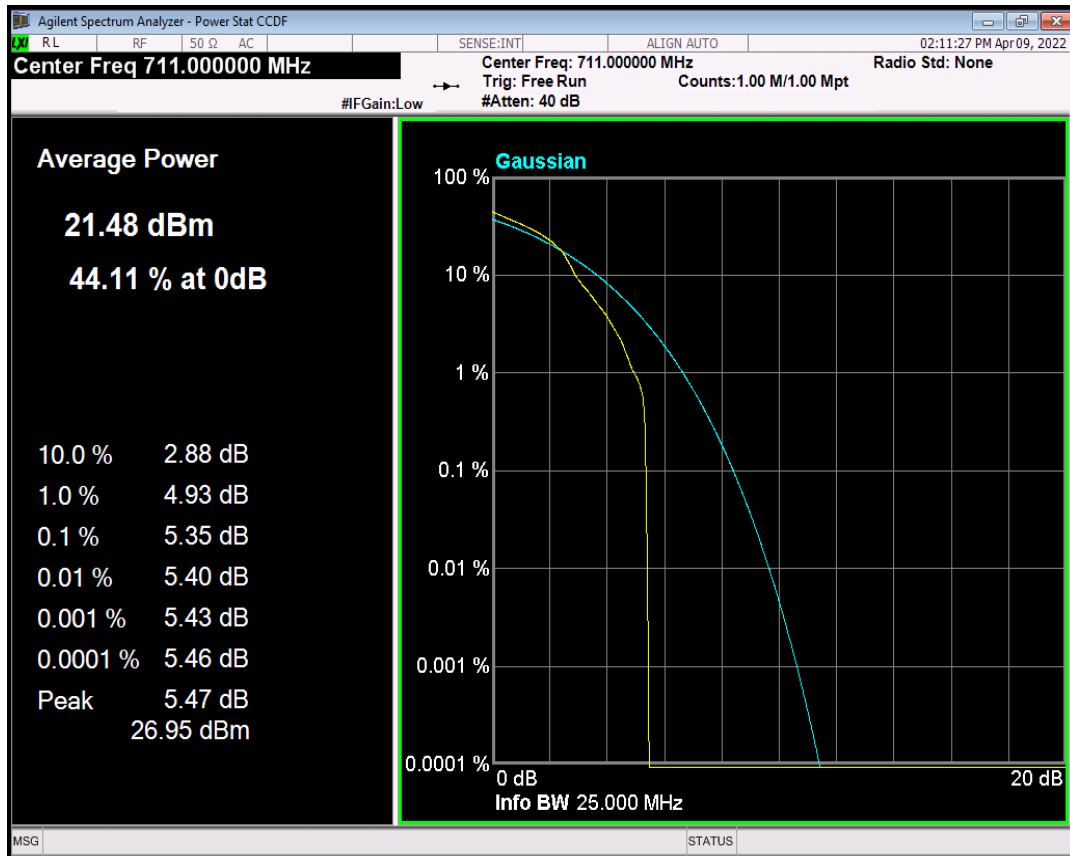
Band12 QAM16 BW=10MHz Channel=23095 RB Size=1 Position=#0



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



Band12 QAM16 BW=10MHz Channel=23130 RB Size=1 Position=#0

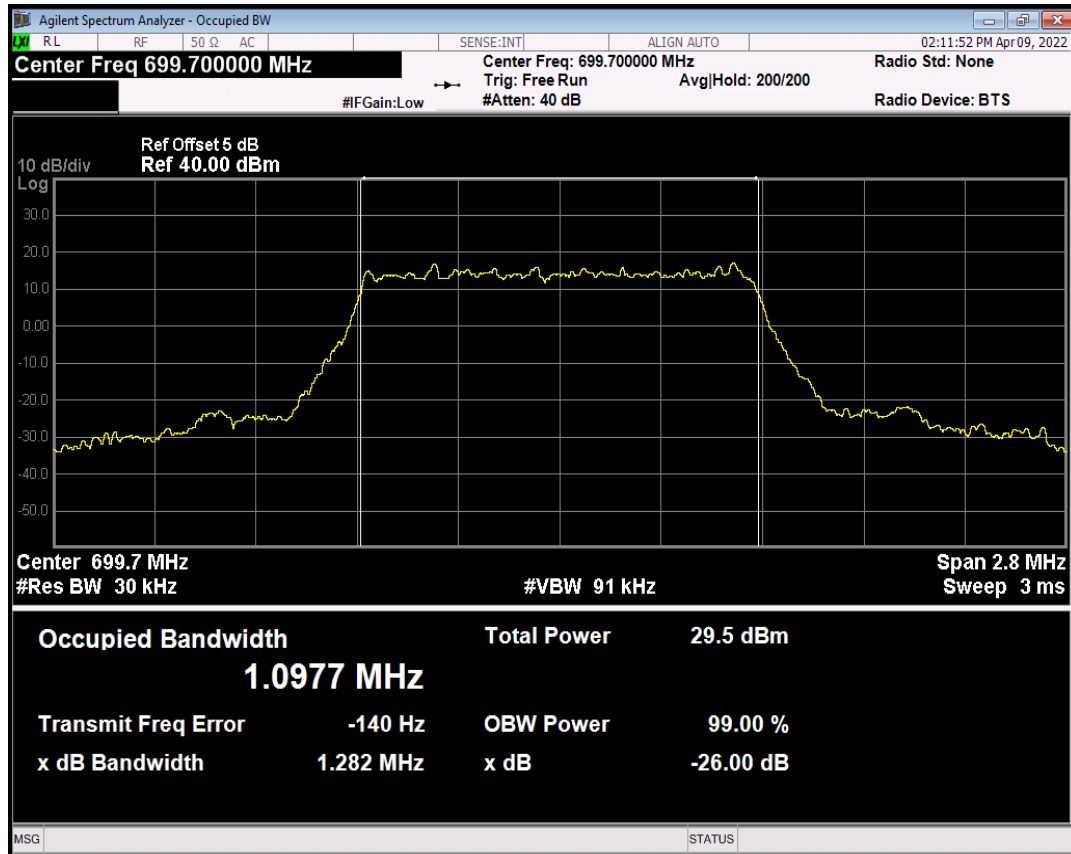


Appendix 4. Occupied bandwidth

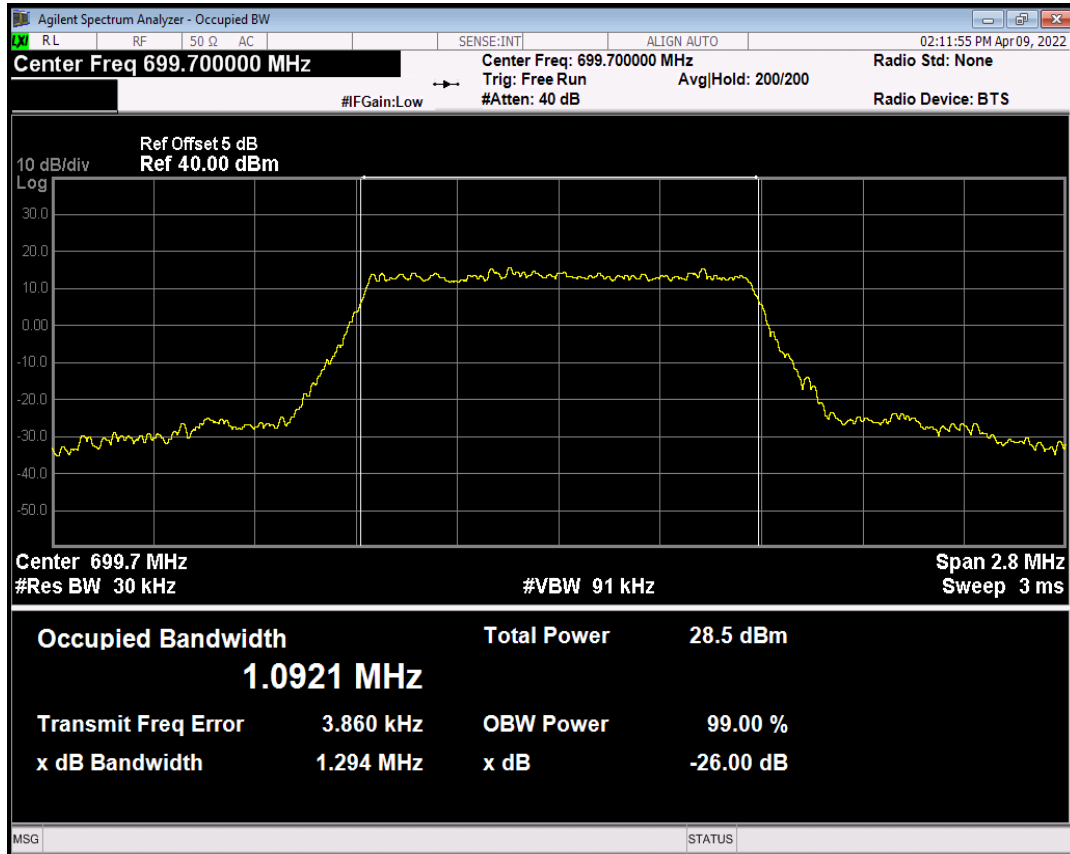
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.098	1.282	PASS
Band12	1.4	23017	6	#0	QAM16	1.092	1.294	PASS
Band12	1.4	23095	6	#0	QPSK	1.091	1.283	PASS
Band12	1.4	23095	6	#0	QAM16	1.102	1.281	PASS
Band12	1.4	23173	6	#0	QPSK	1.097	1.301	PASS
Band12	1.4	23173	6	#0	QAM16	1.097	1.270	PASS
Band12	3	23025	15	#0	QPSK	2.704	2.934	PASS
Band12	3	23025	15	#0	QAM16	2.703	2.988	PASS
Band12	3	23095	15	#0	QPSK	2.698	2.943	PASS
Band12	3	23095	15	#0	QAM16	2.699	2.963	PASS
Band12	3	23165	15	#0	QPSK	2.706	2.985	PASS
Band12	3	23165	15	#0	QAM16	2.705	2.989	PASS
Band12	5	23035	25	#0	QPSK	4.517	4.923	PASS
Band12	5	23035	25	#0	QAM16	4.514	4.949	PASS
Band12	5	23095	25	#0	QPSK	4.503	4.906	PASS
Band12	5	23095	25	#0	QAM16	4.491	4.910	PASS
Band12	5	23155	25	#0	QPSK	4.520	4.990	PASS
Band12	5	23155	25	#0	QAM16	4.539	4.981	PASS

Band12	10	23060	50	#0	QPSK	9.027	9.955	PASS
Band12	10	23060	50	#0	QAM16	8.995	9.791	PASS
Band12	10	23095	50	#0	QPSK	8.906	9.785	PASS
Band12	10	23095	50	#0	QAM16	8.904	9.597	PASS
Band12	10	23130	50	#0	QPSK	8.953	9.747	PASS
Band12	10	23130	50	#0	QAM16	8.964	9.742	PASS

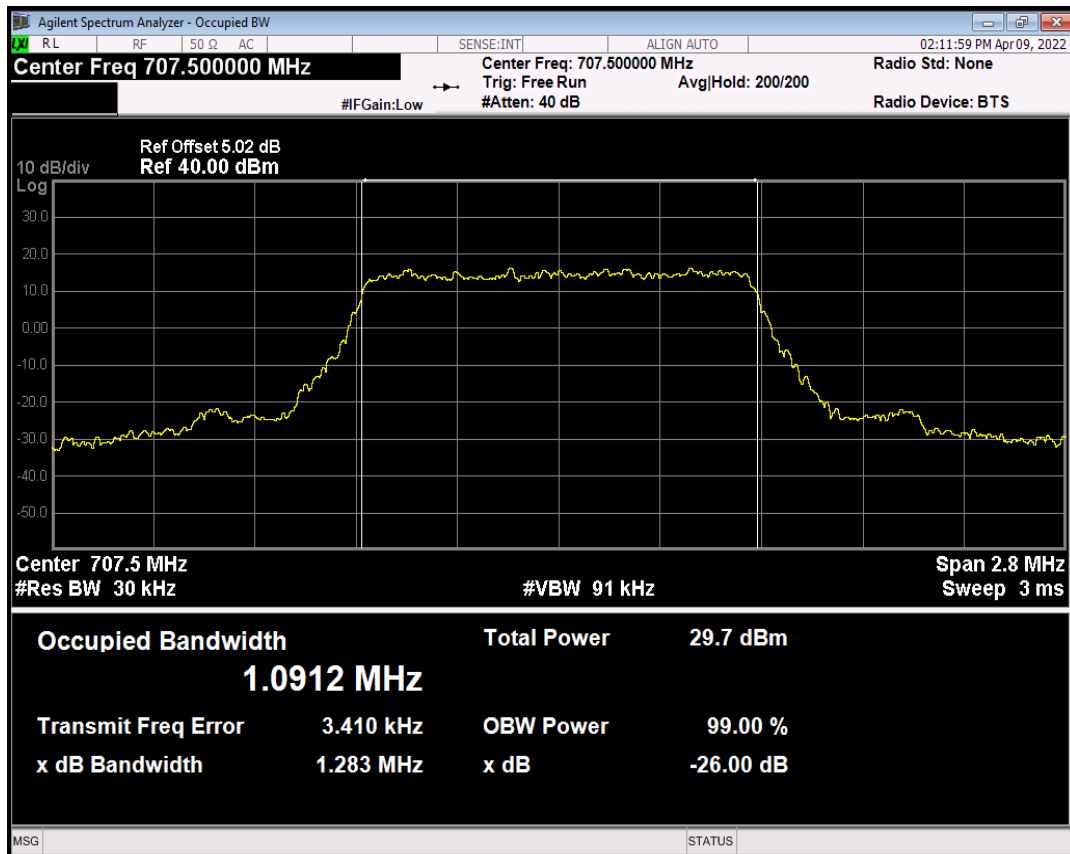
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



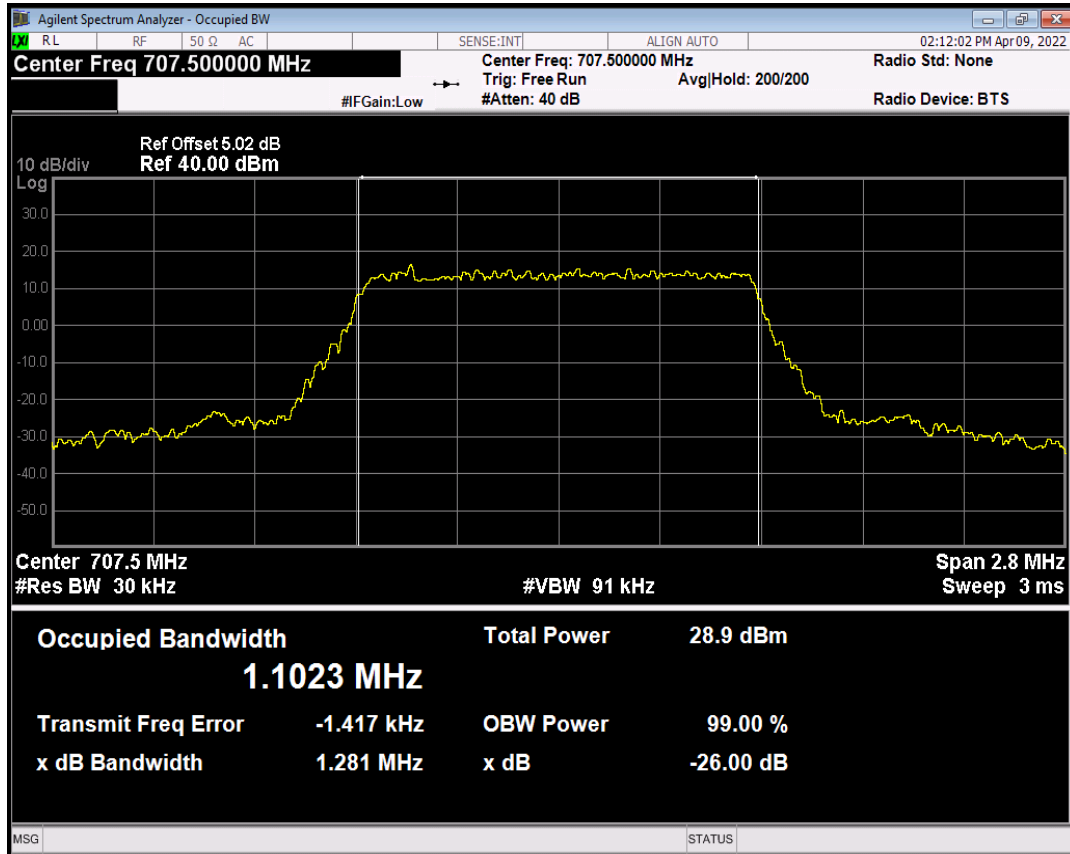
Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0



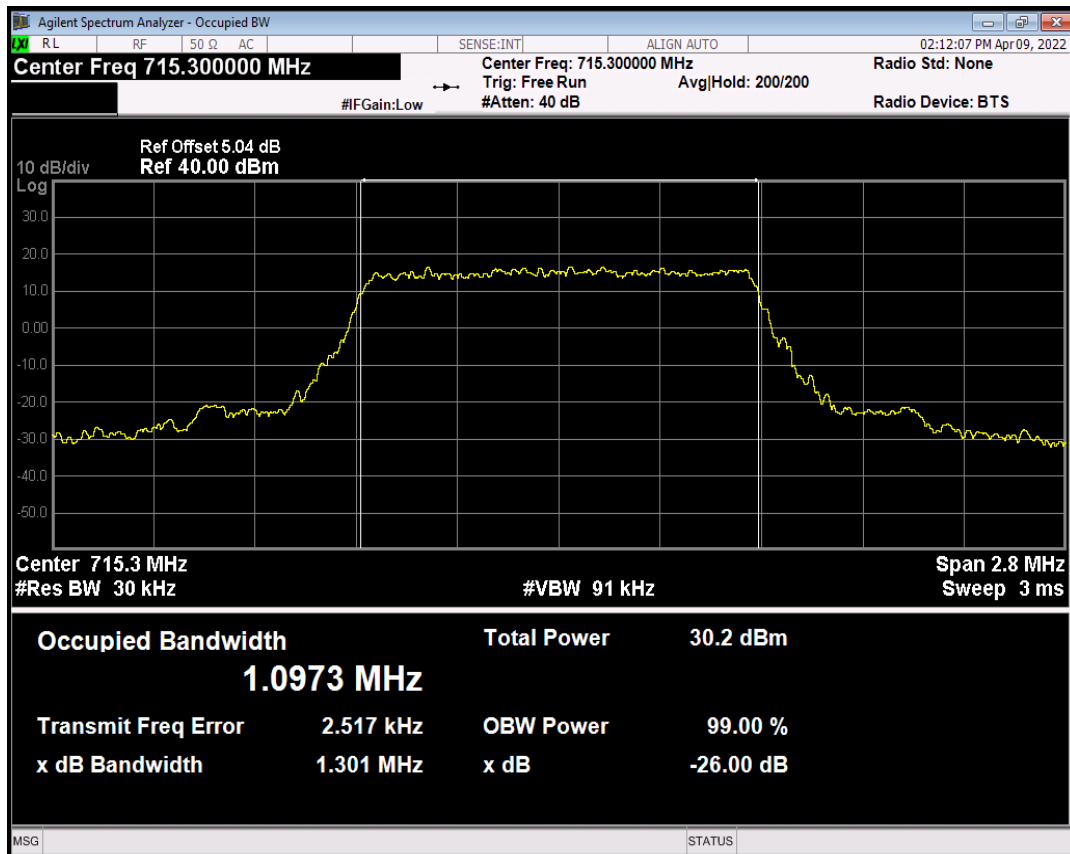
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



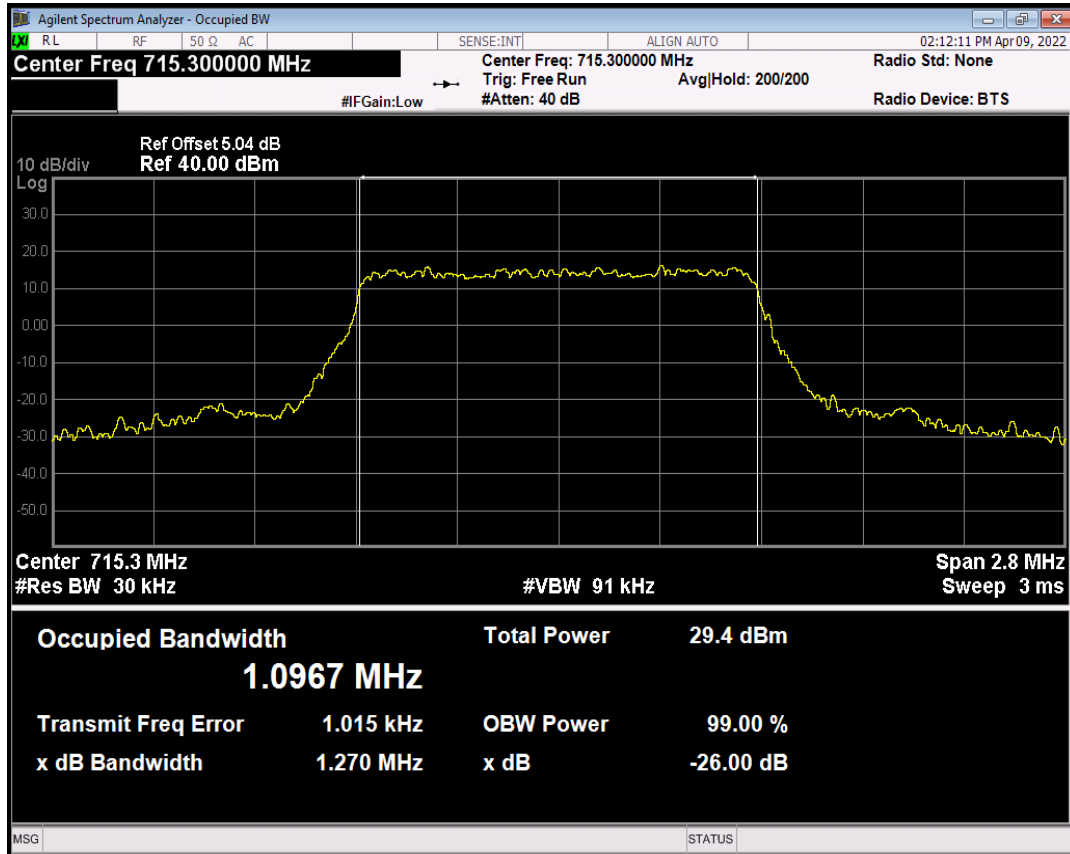
Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=6 Position=#0



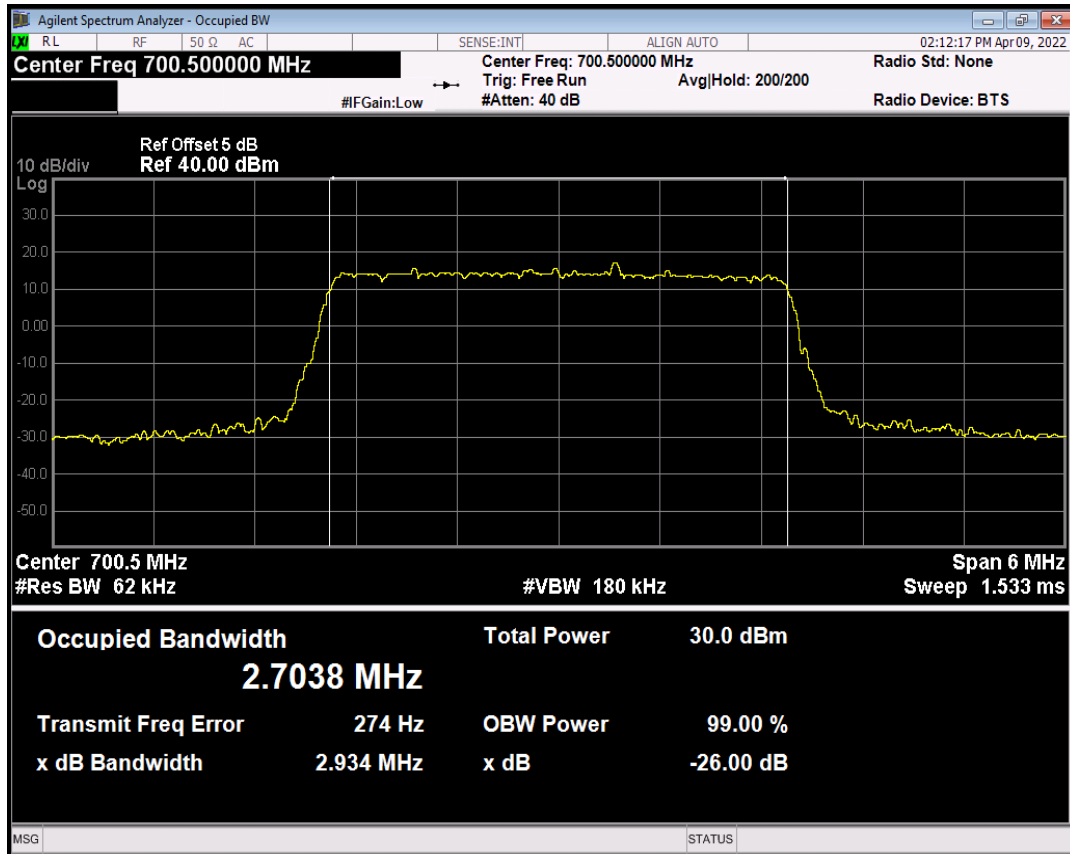
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



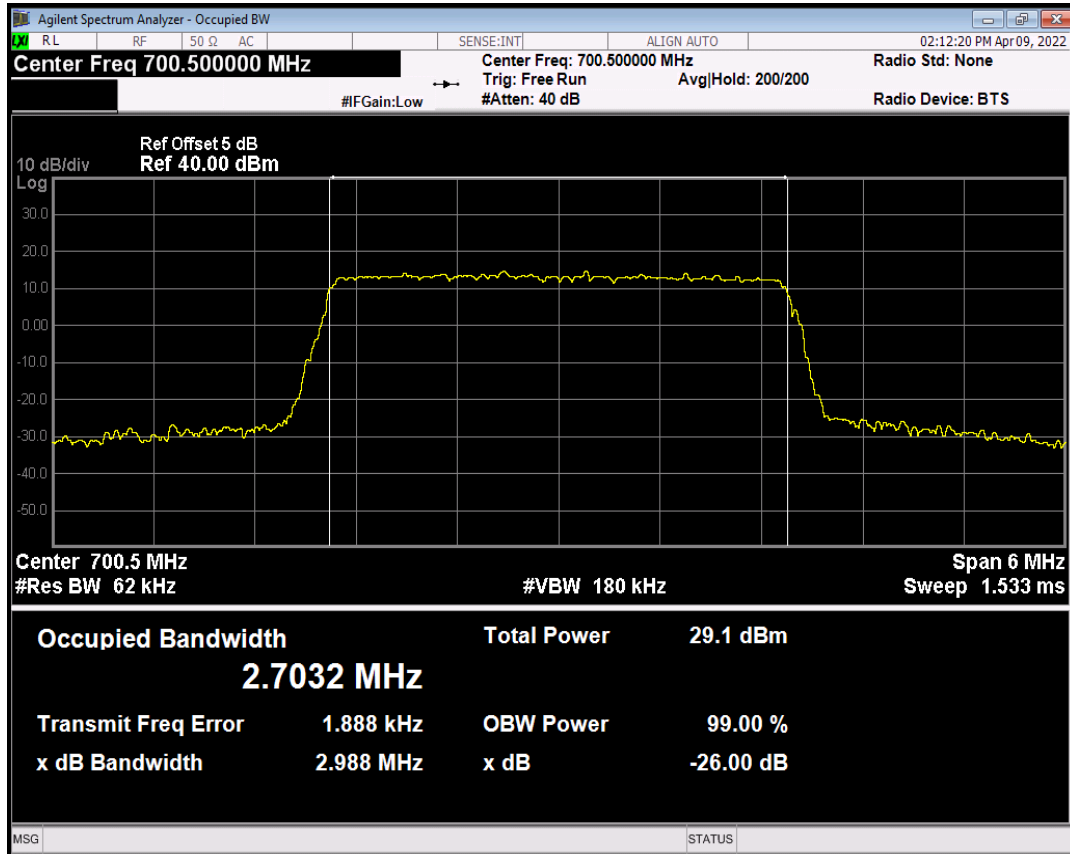
Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0



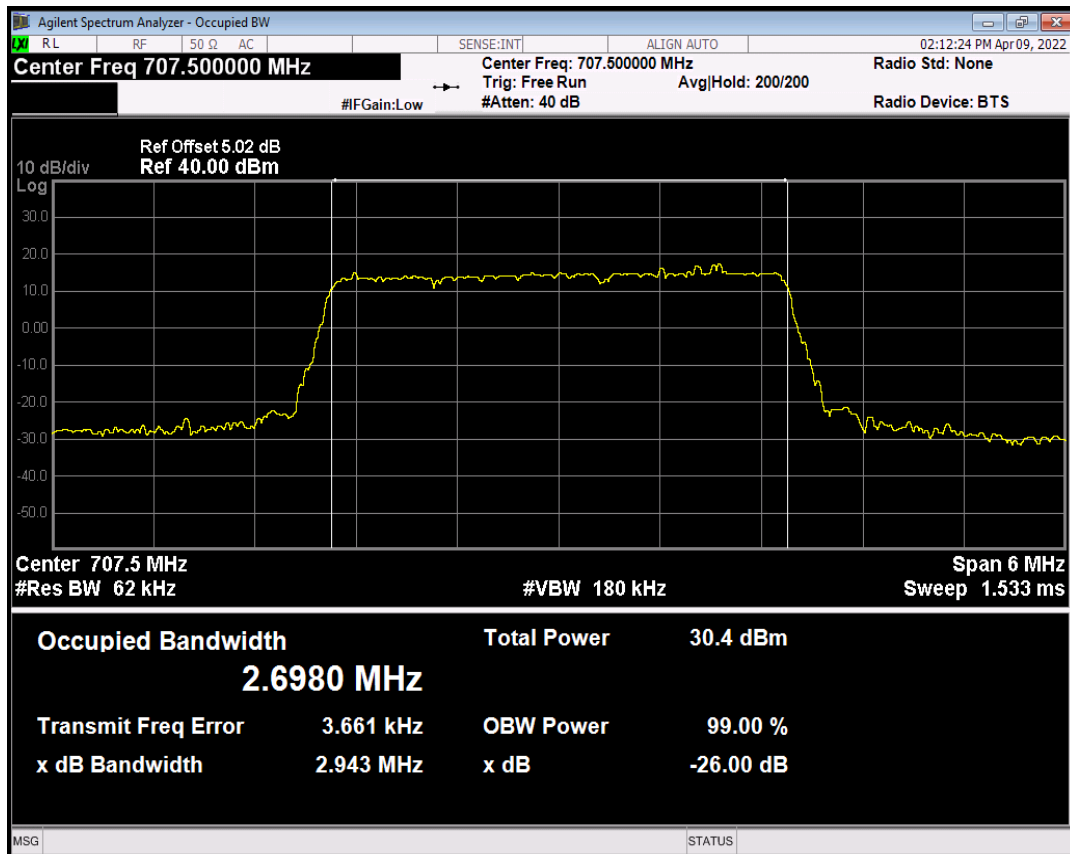
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



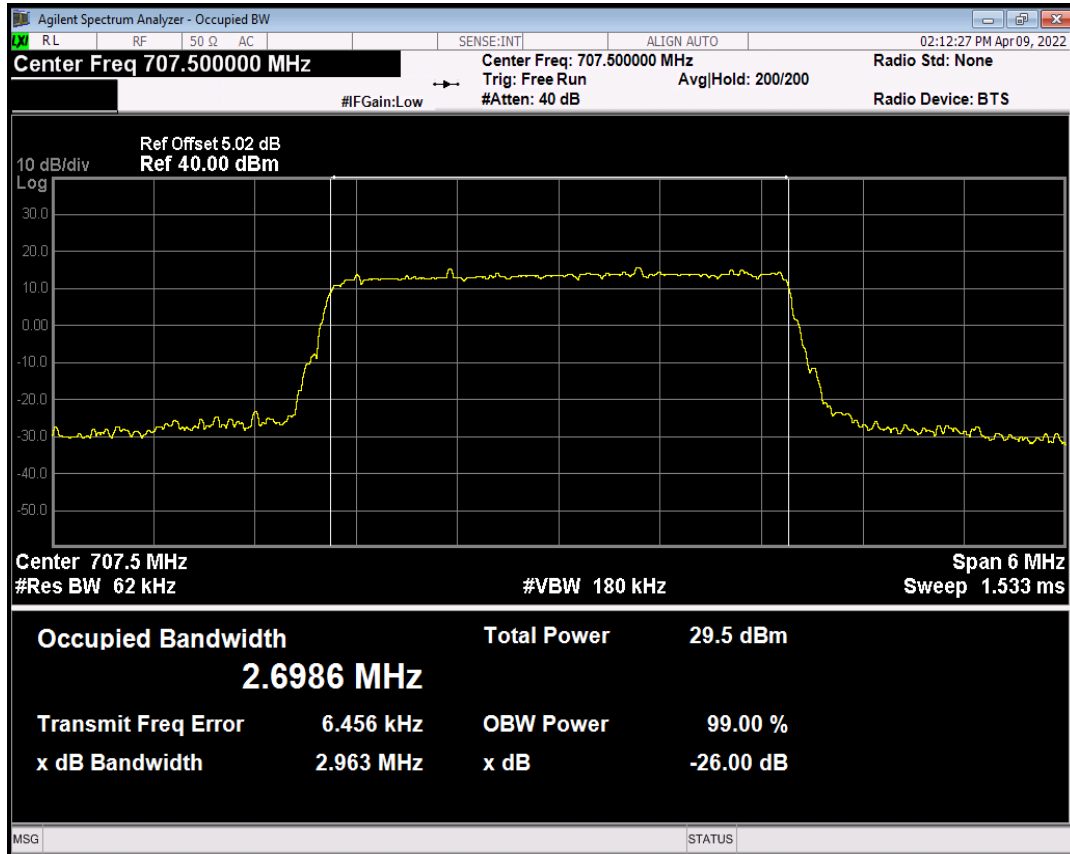
Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0



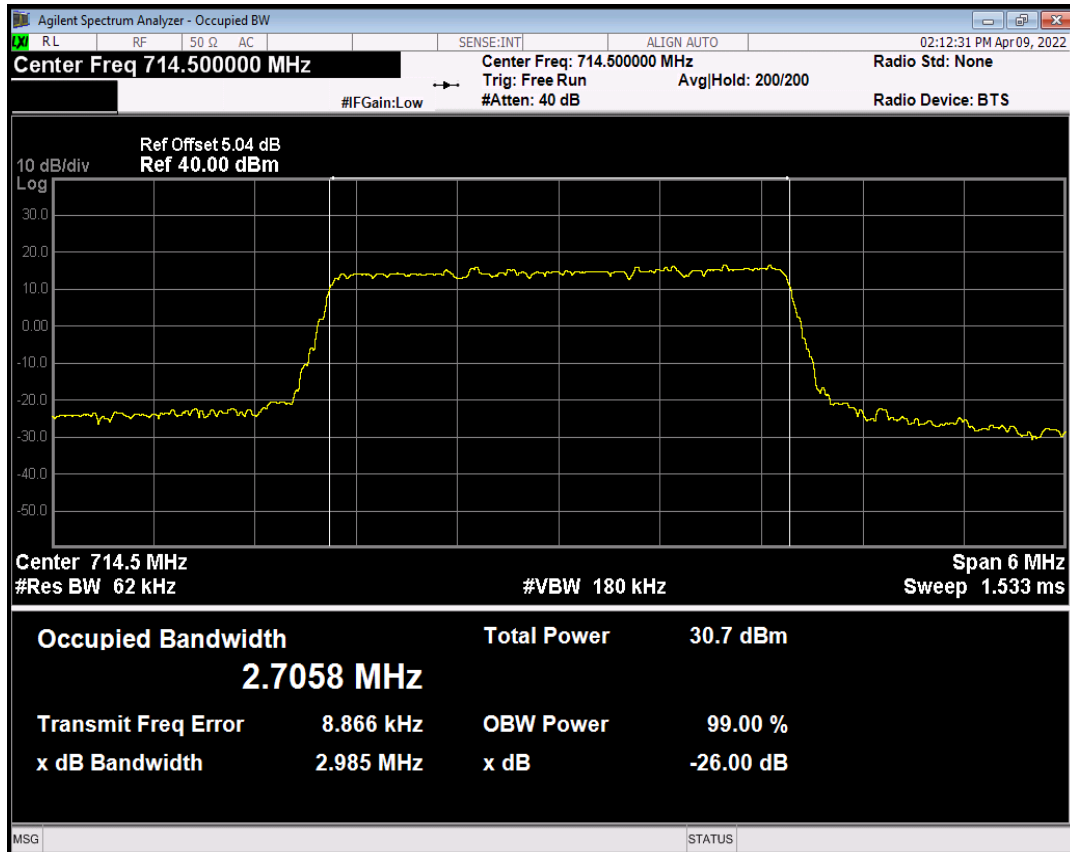
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



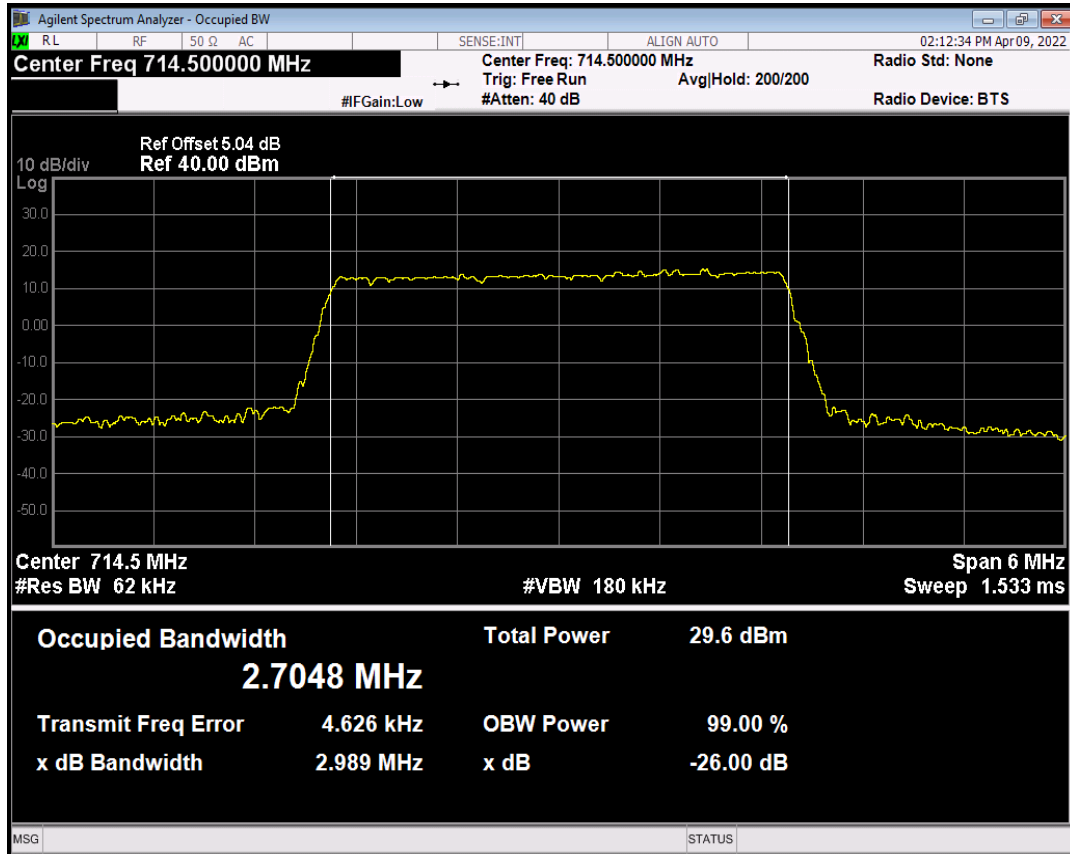
Band12 QAM16 BW=3MHz Channel=23095 RB Size=15 Position=#0



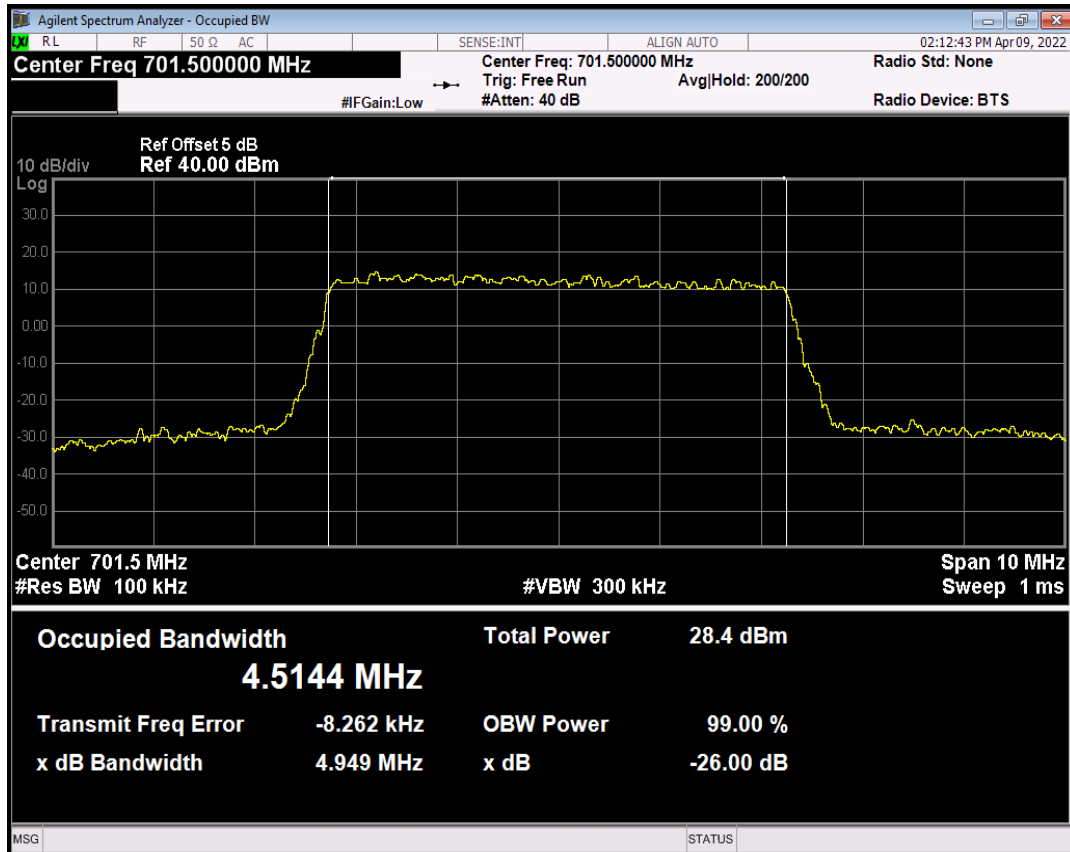
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



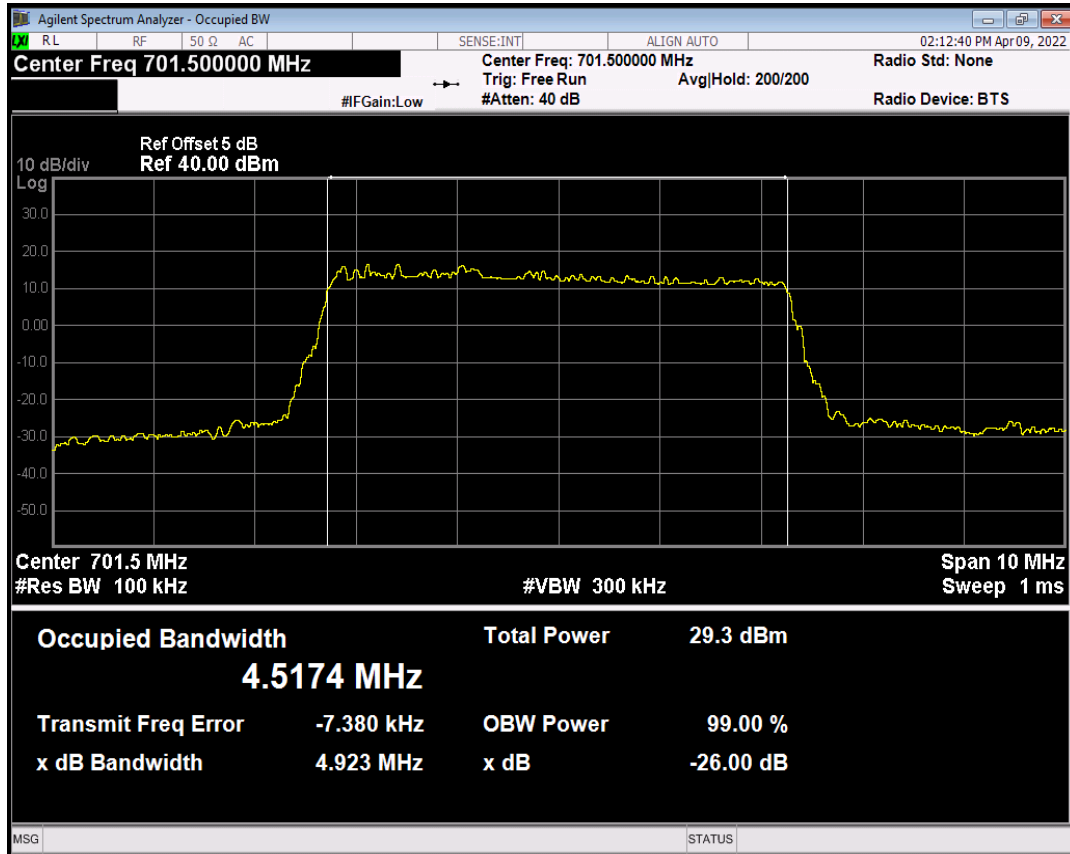
Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0



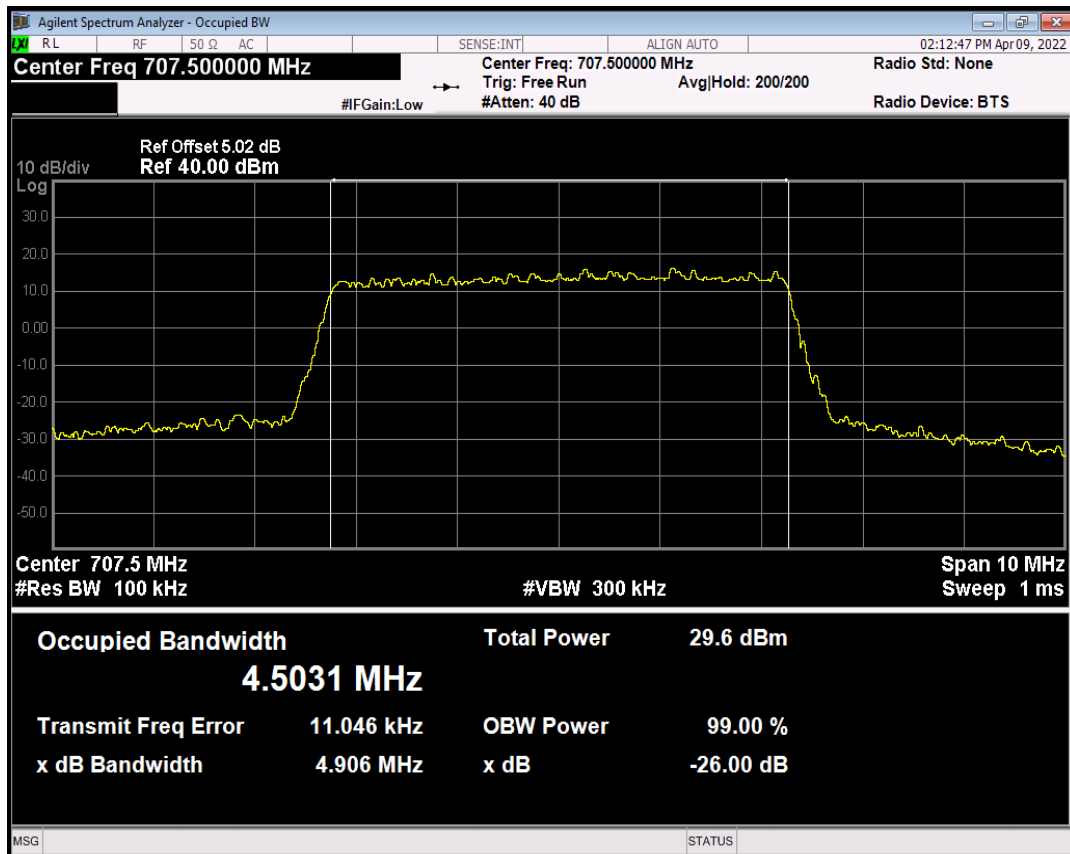
Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0



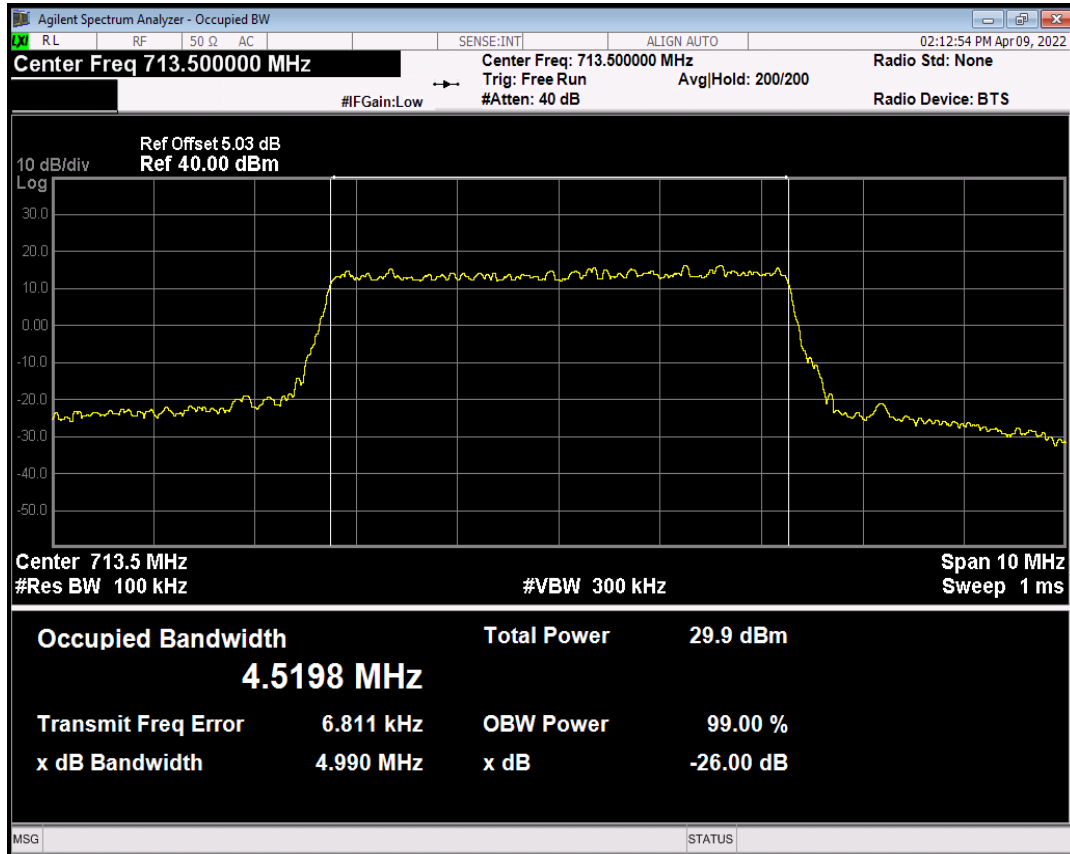
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



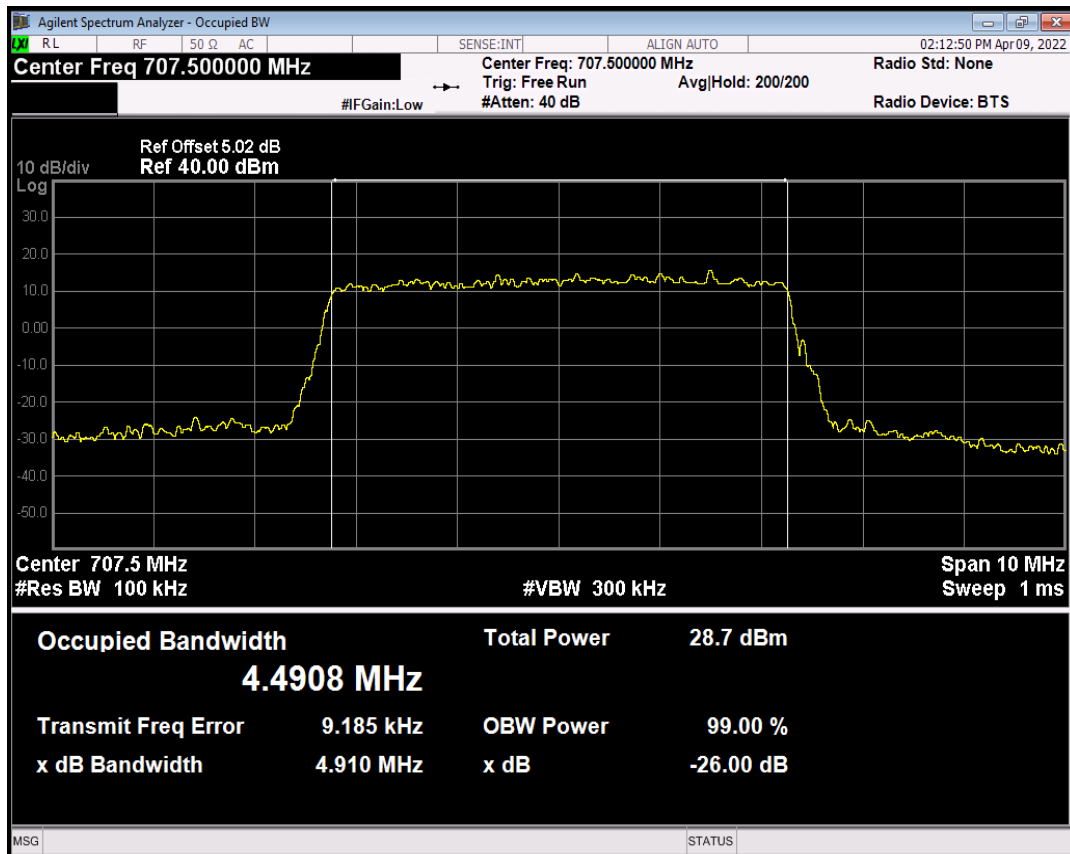
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



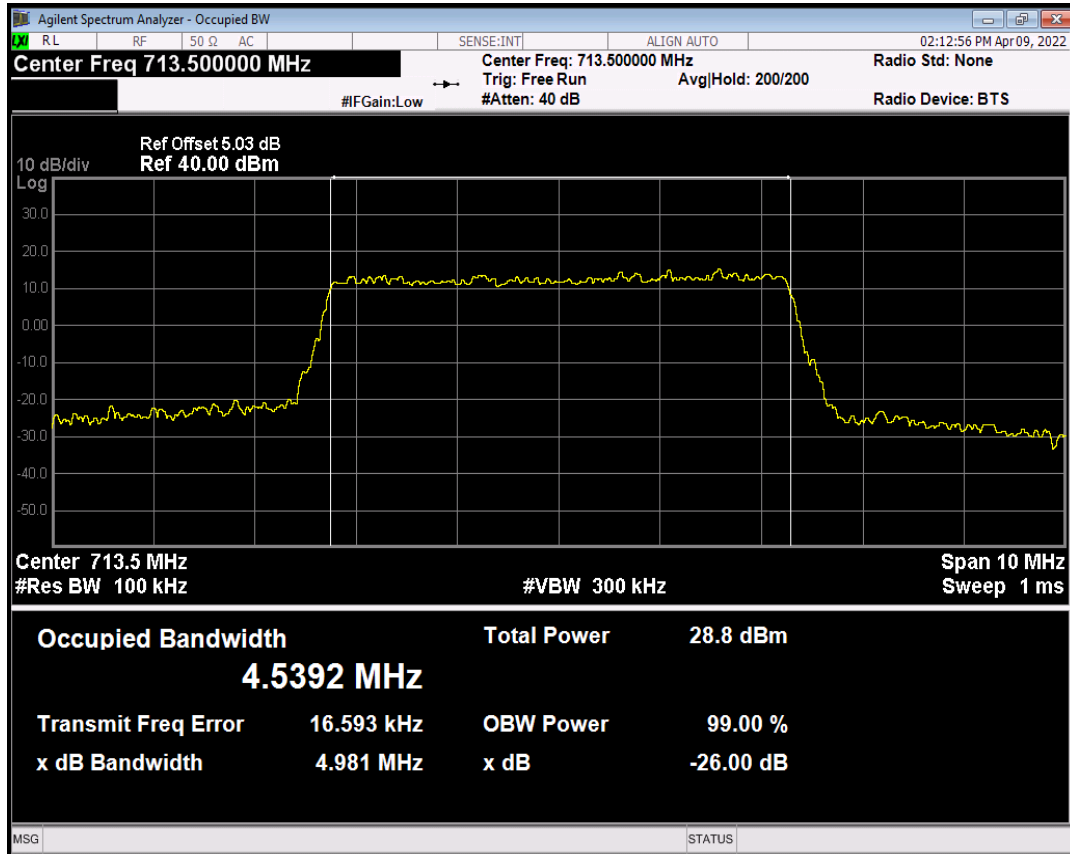
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



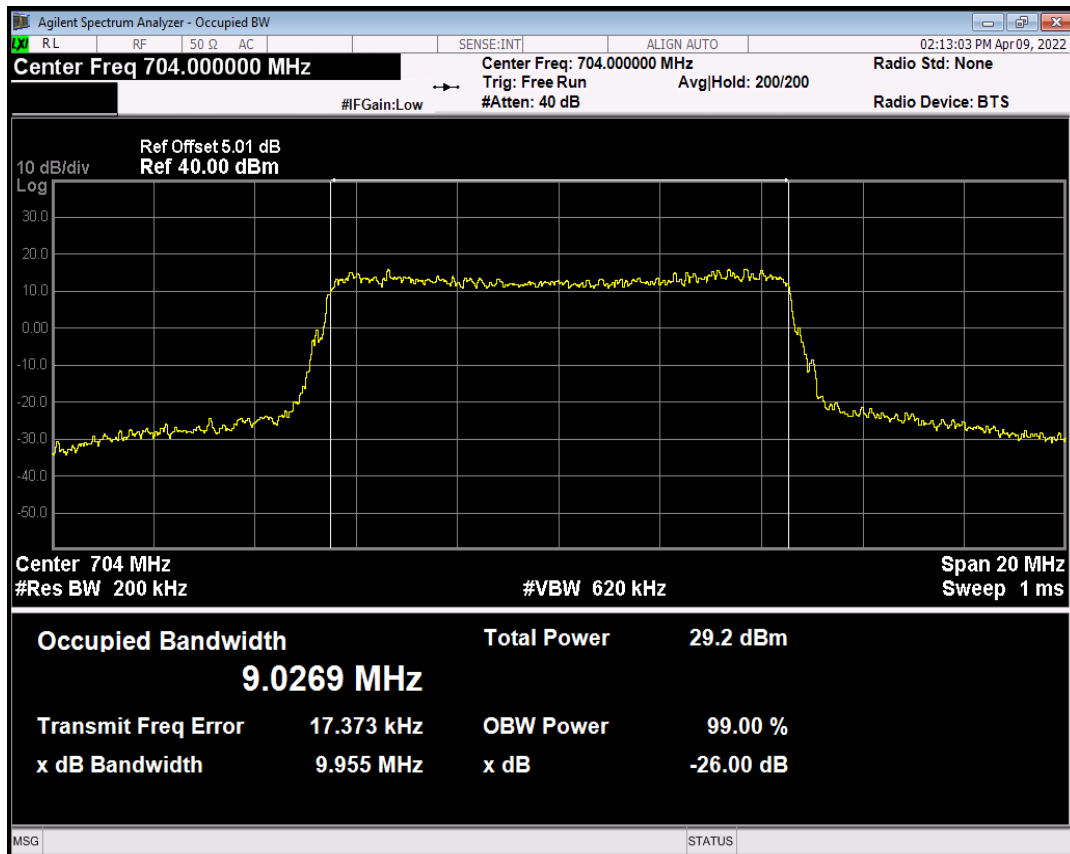
Band12 QAM16 BW=5MHz Channel=23095 RB Size=25 Position=#0



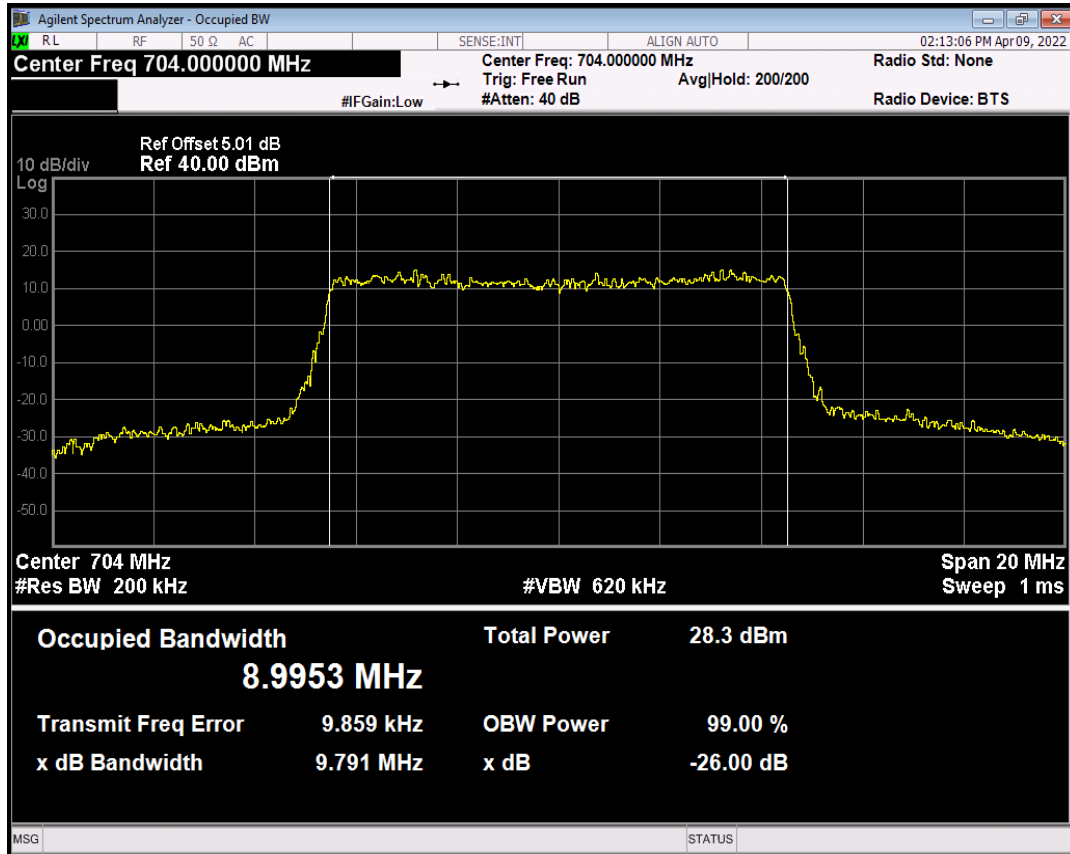
Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0



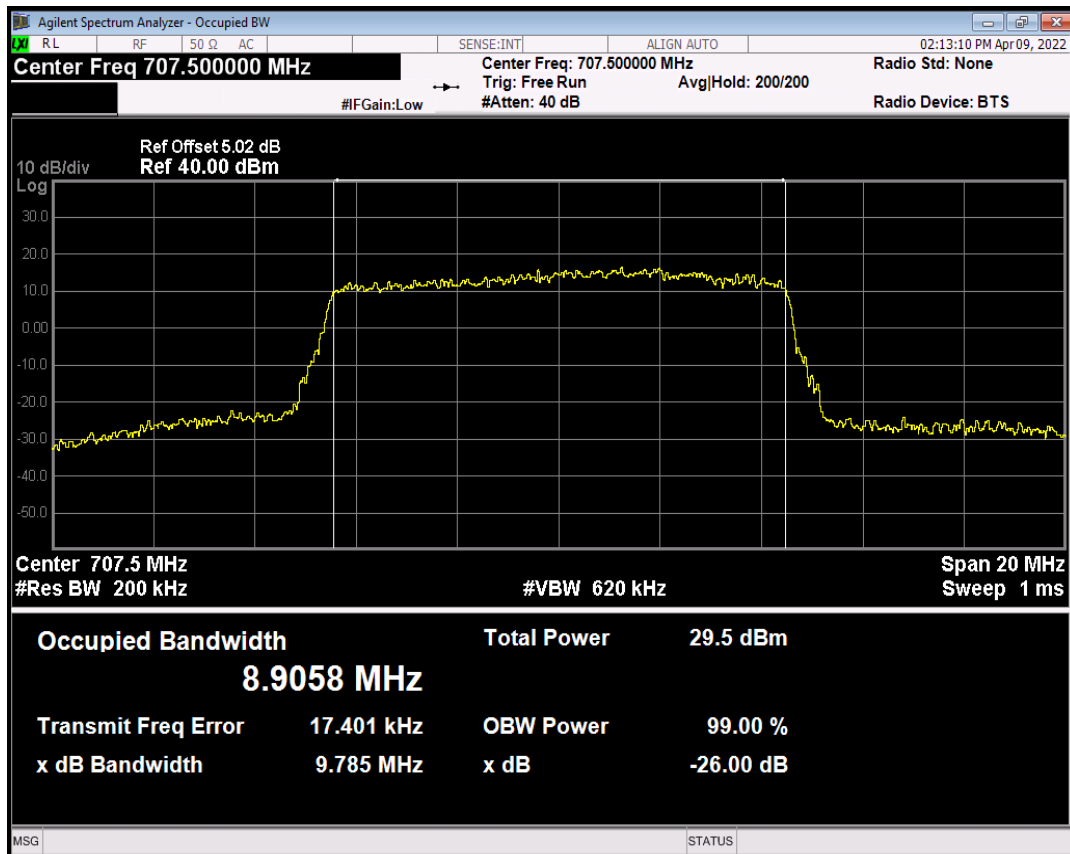
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



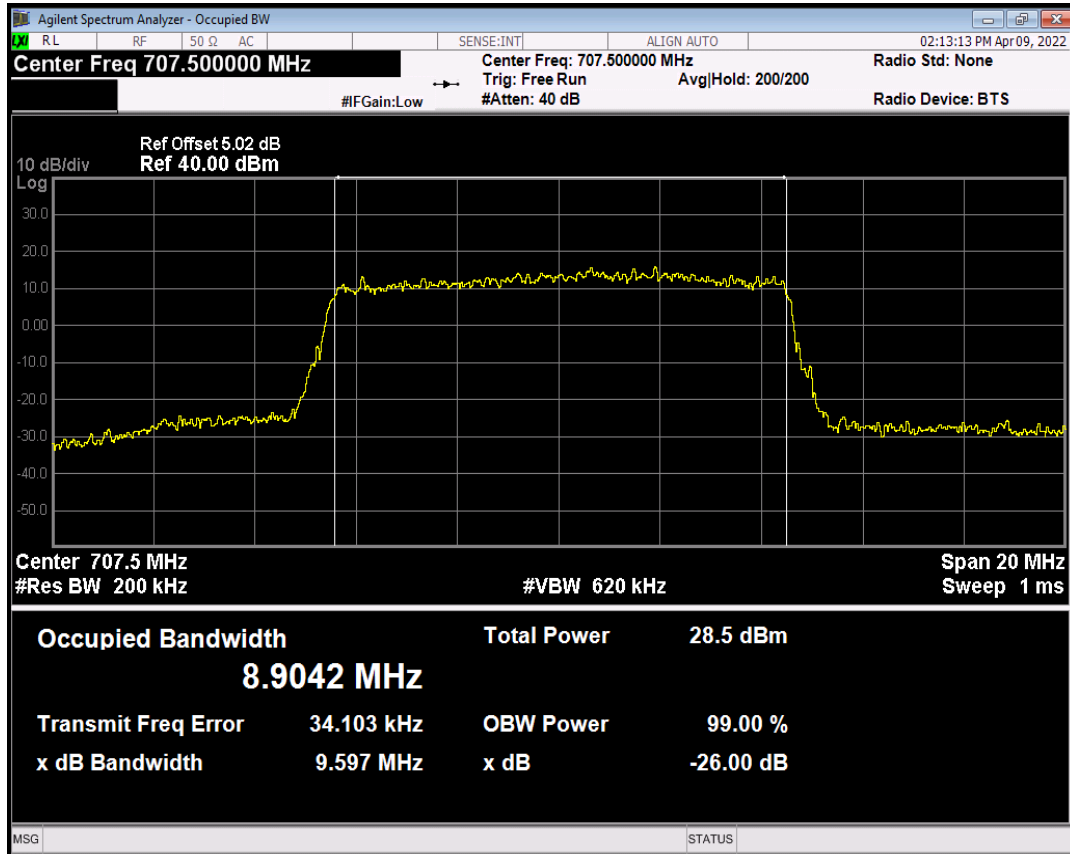
Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0



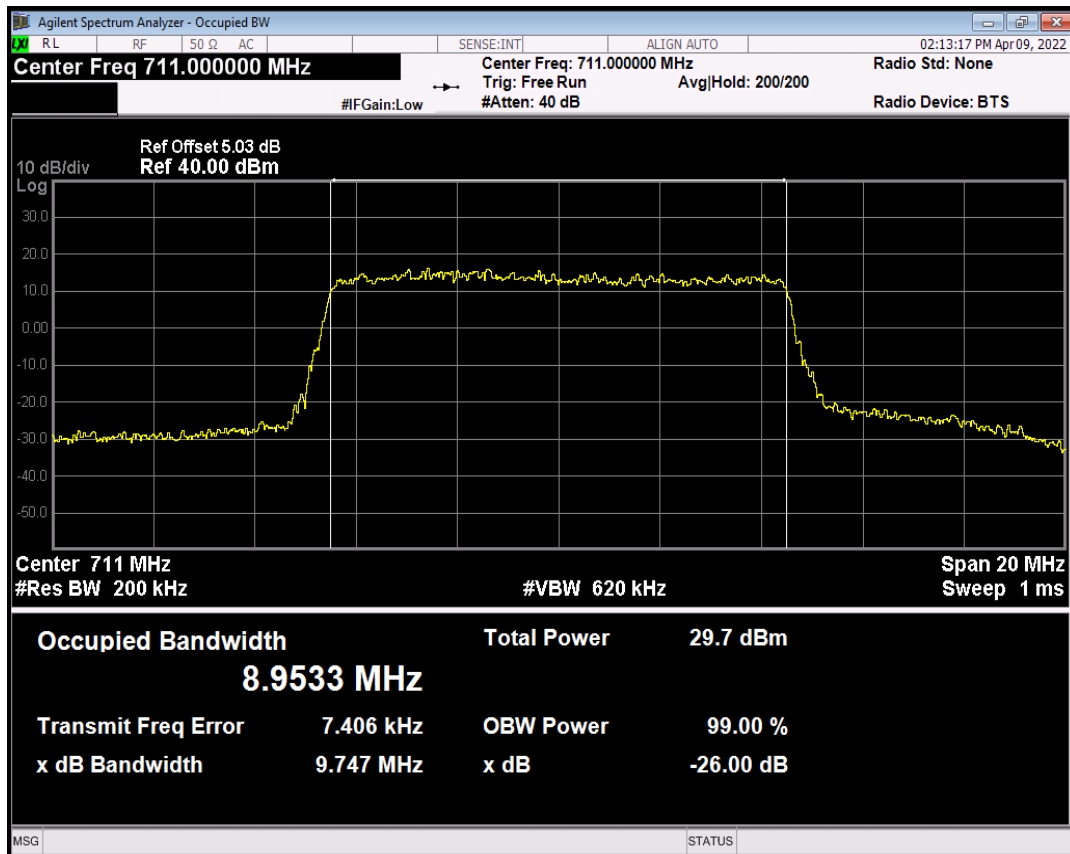
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



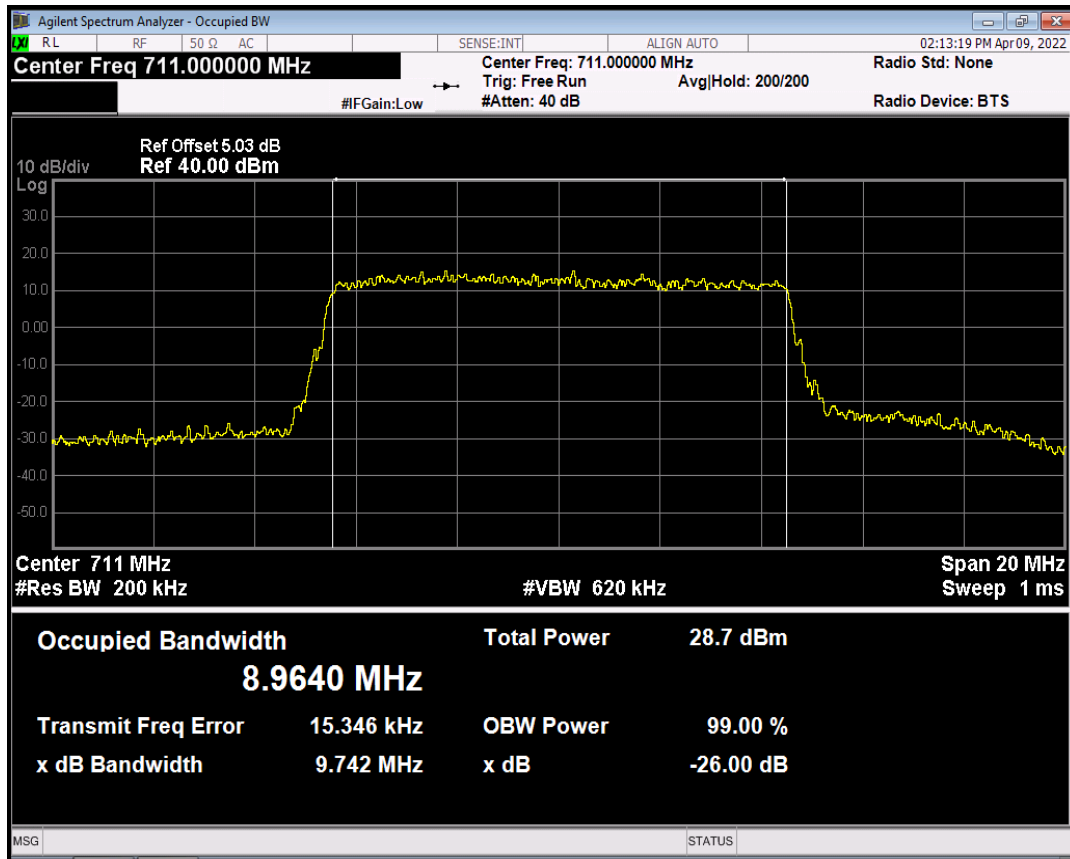
Band12 QAM16 BW=10MHz Channel=23095 RB Size=50 Position=#0



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



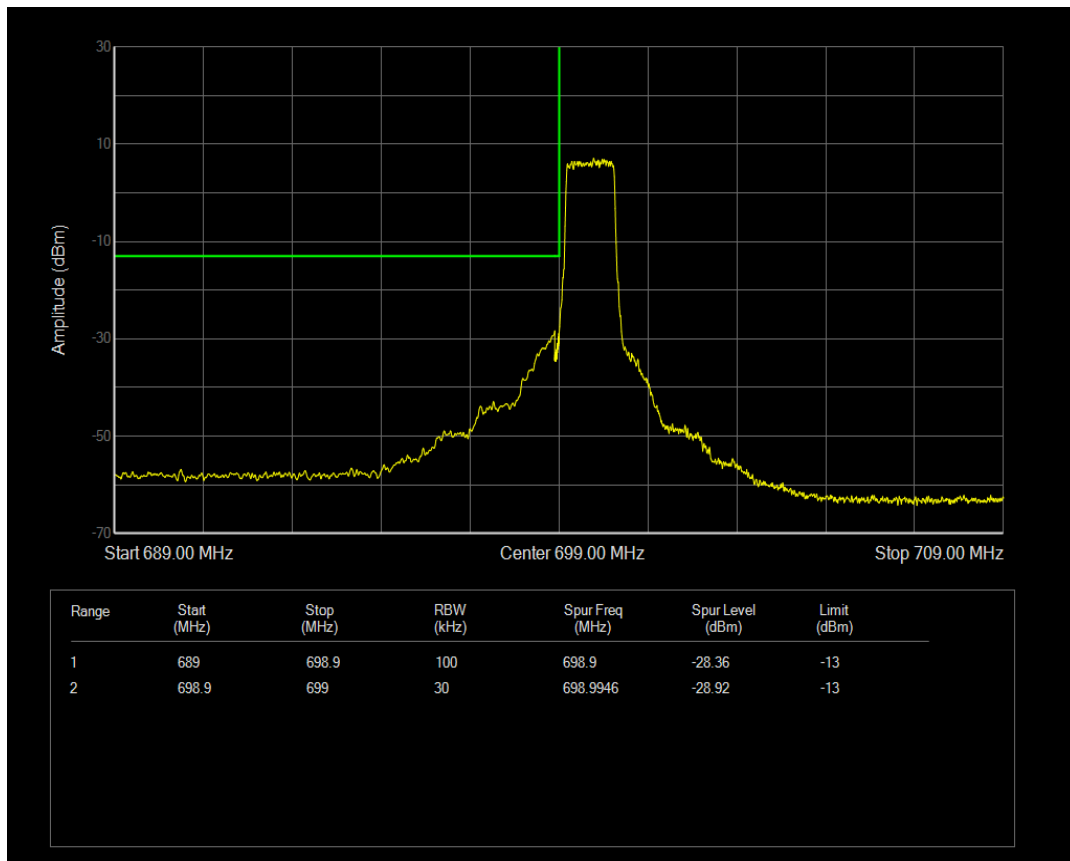
Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0



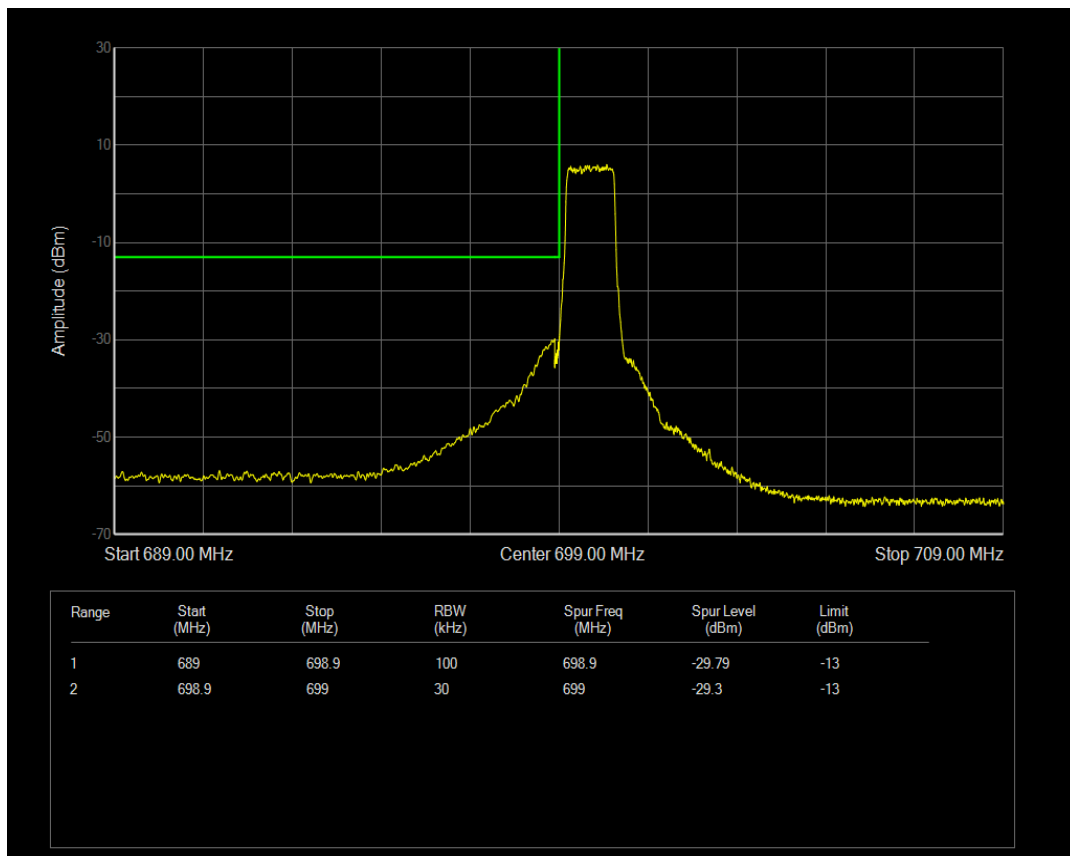
Appendix 5. Band edge

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	698.90	-28.36	-13	PASS
Band12	1.4	23017	6	#0	QAM16	699.00	-29.30	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.00	-25.79	-13	PASS
Band12	1.4	23173	6	#0	QAM16	716.00	-27.00	-13	PASS
Band12	3	23025	15	#0	QPSK	699.00	-28.30	-13	PASS
Band12	3	23025	15	#0	QAM16	699.00	-30.29	-13	PASS
Band12	3	23165	15	#0	QPSK	716.00	-27.23	-13	PASS
Band12	3	23165	15	#0	QAM16	716.00	-27.34	-13	PASS
Band12	5	23035	25	#0	QPSK	698.90	-30.82	-13	PASS
Band12	5	23035	25	#0	QAM16	699.00	-31.89	-13	PASS
Band12	5	23155	25	#0	QPSK	716.11	-29.37	-13	PASS
Band12	5	23155	25	#0	QAM16	716.11	-29.60	-13	PASS
Band12	10	23060	50	#0	QPSK	698.89	-32.44	-13	PASS
Band12	10	23060	50	#0	QAM16	698.90	-34.05	-13	PASS
Band12	10	23130	50	#0	QPSK	716.22	-30.88	-13	PASS
Band12	10	23130	50	#0	QAM16	716.20	-32.46	-13	PASS

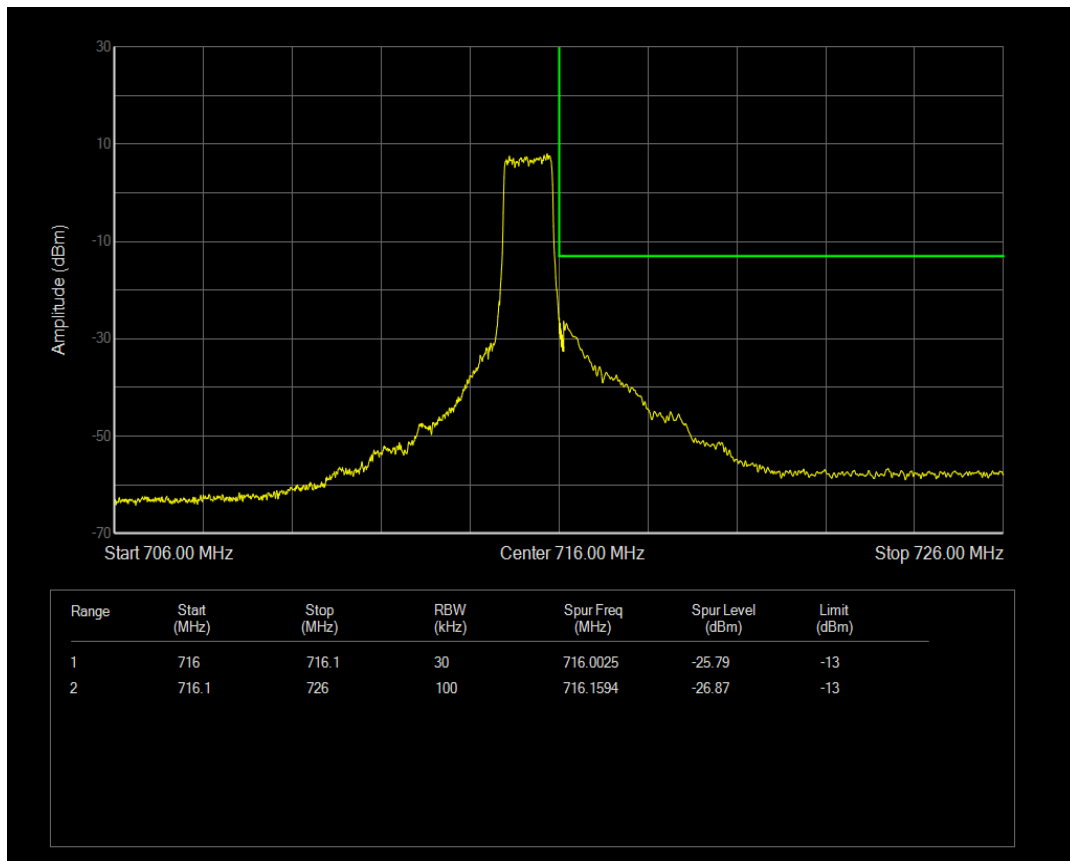
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



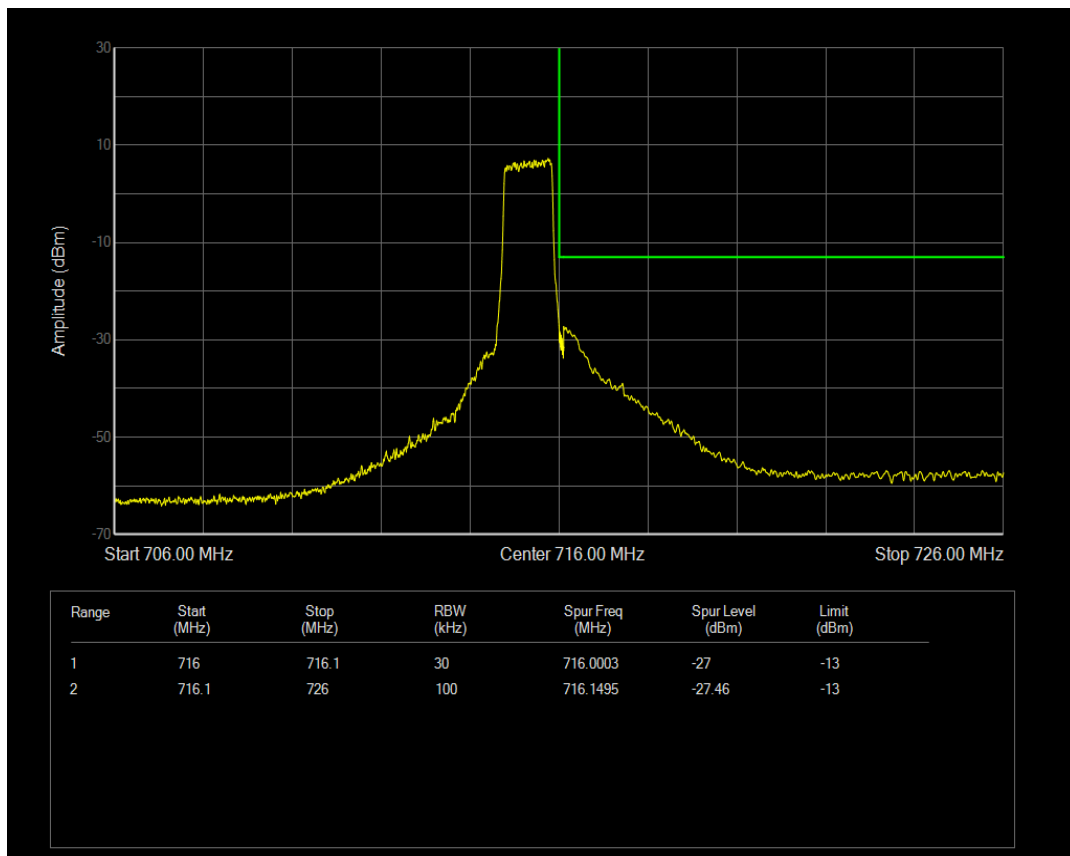
Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0



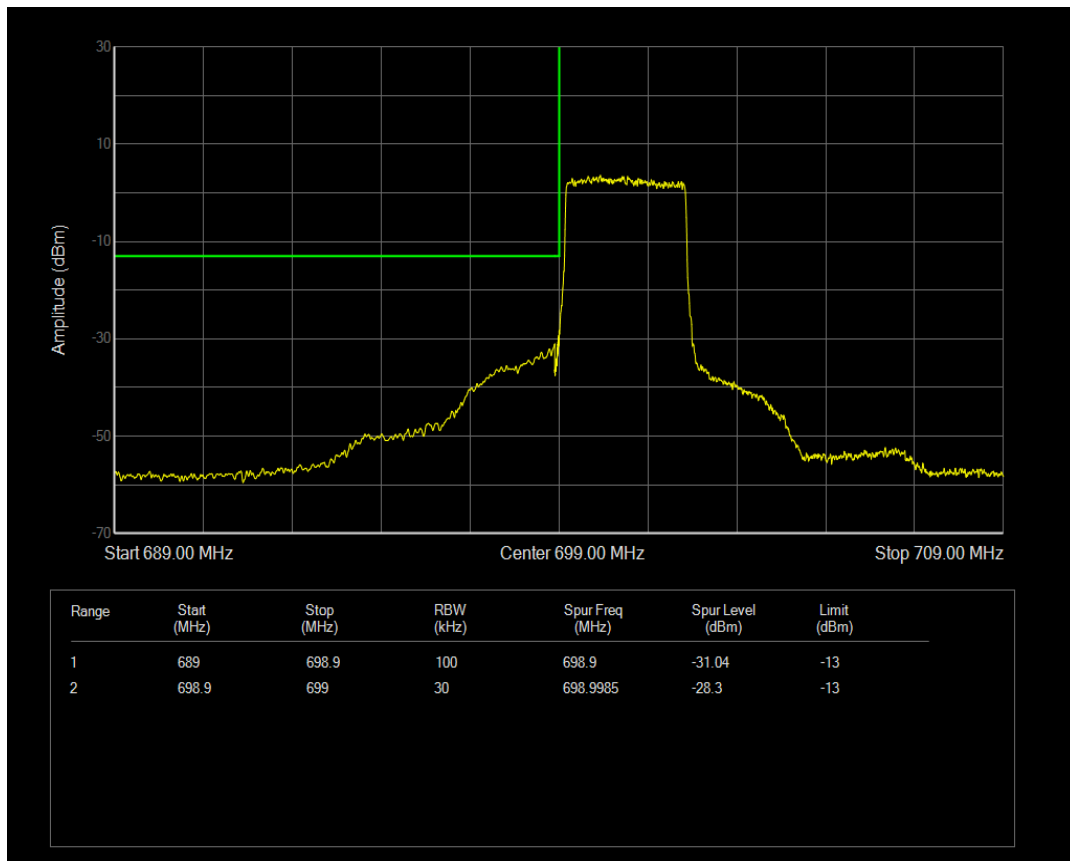
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



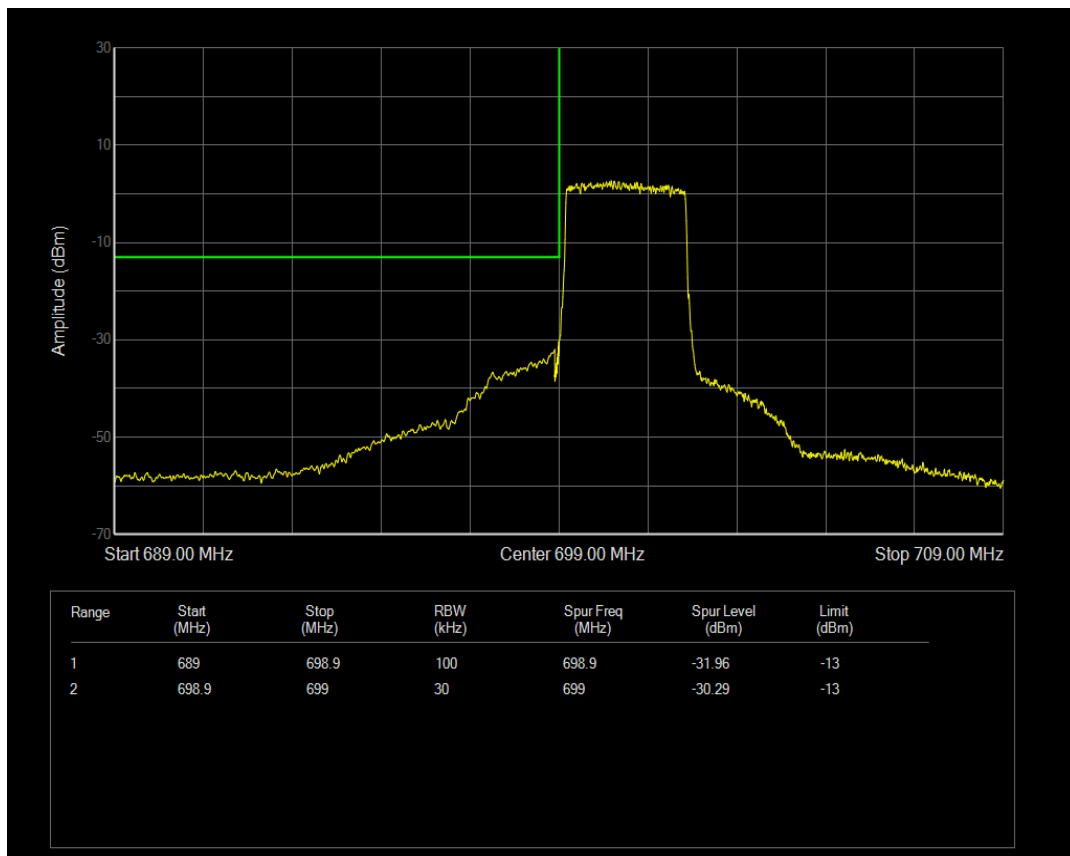
Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0



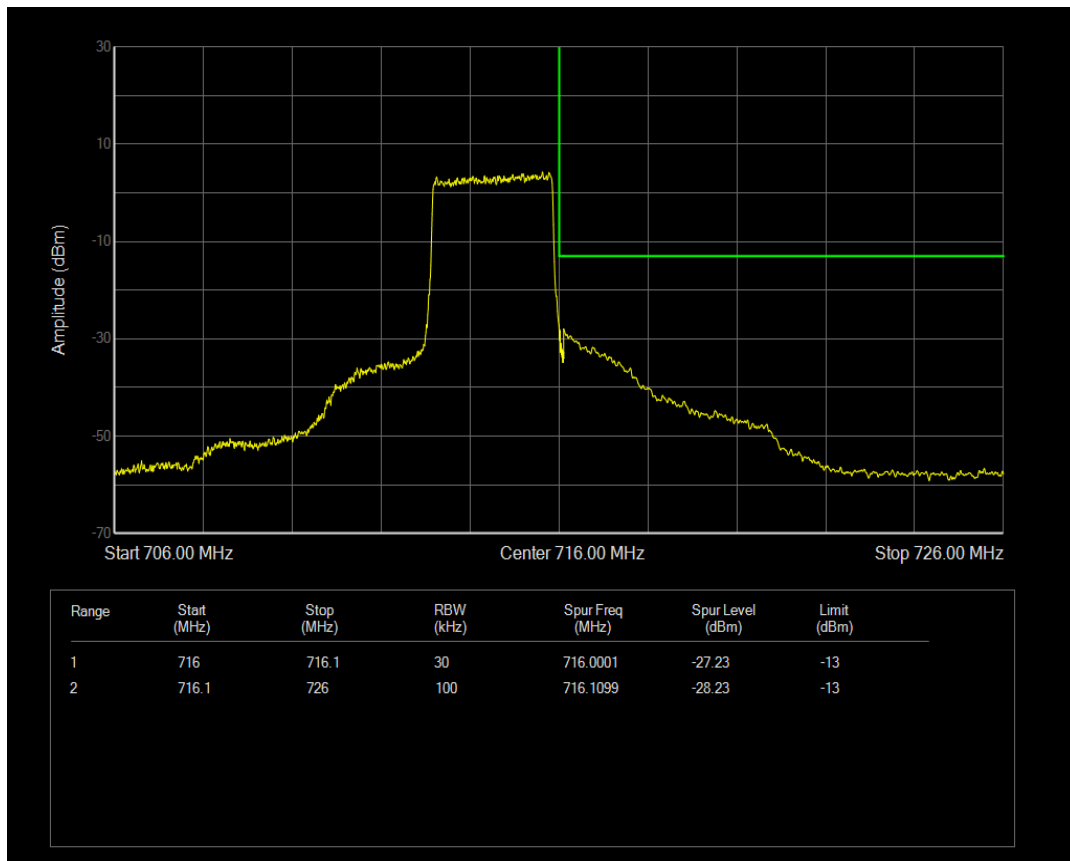
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



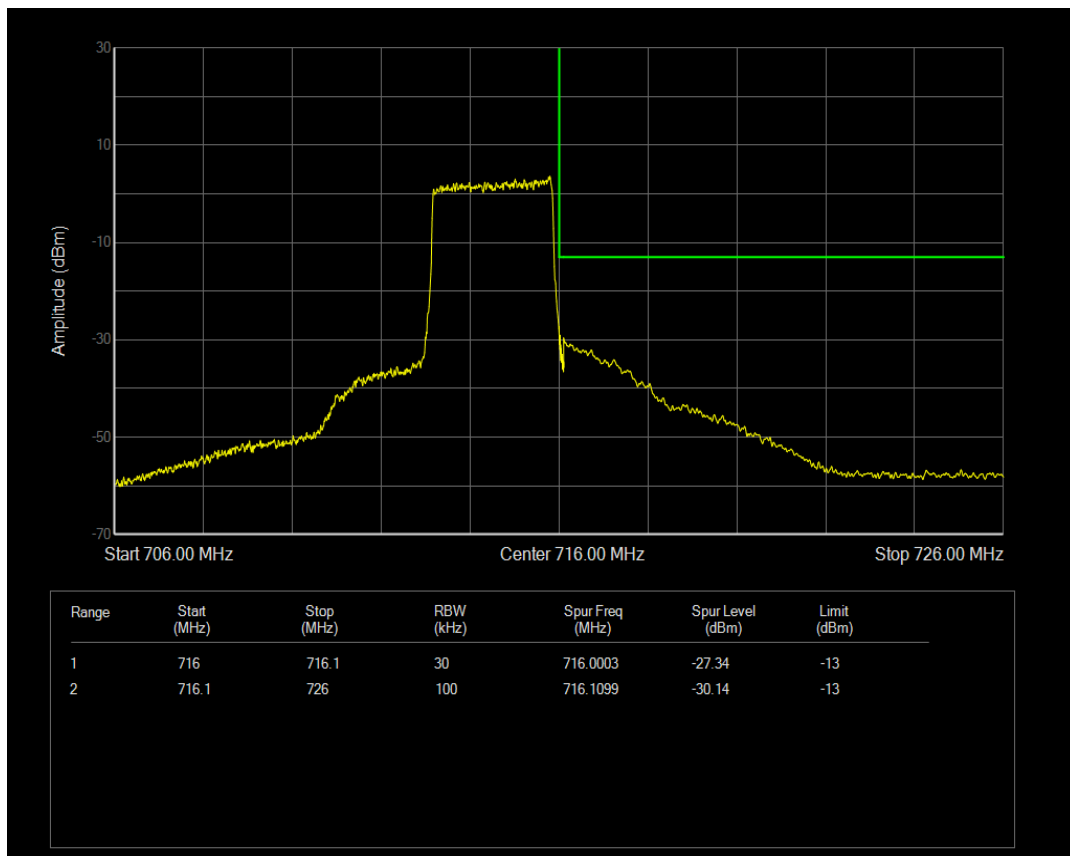
Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0



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

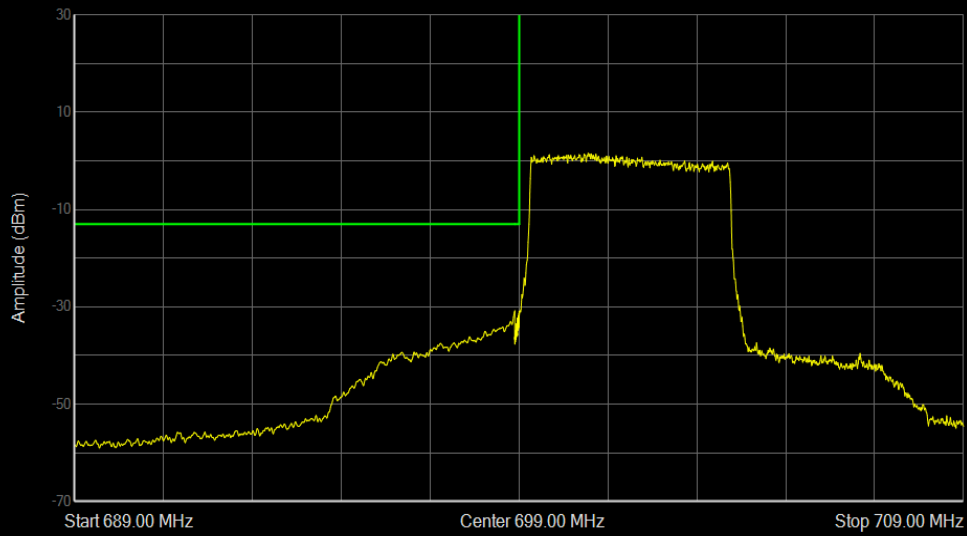


Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0



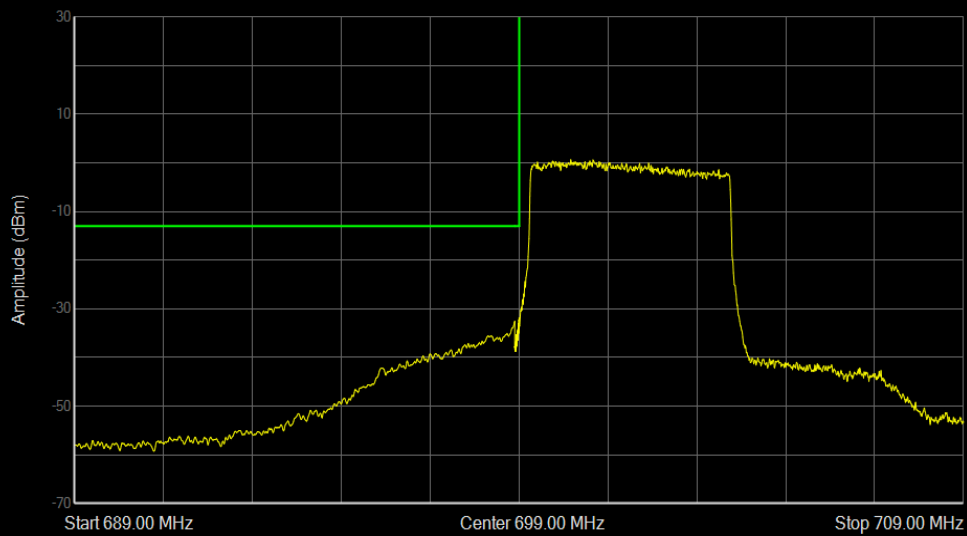


Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



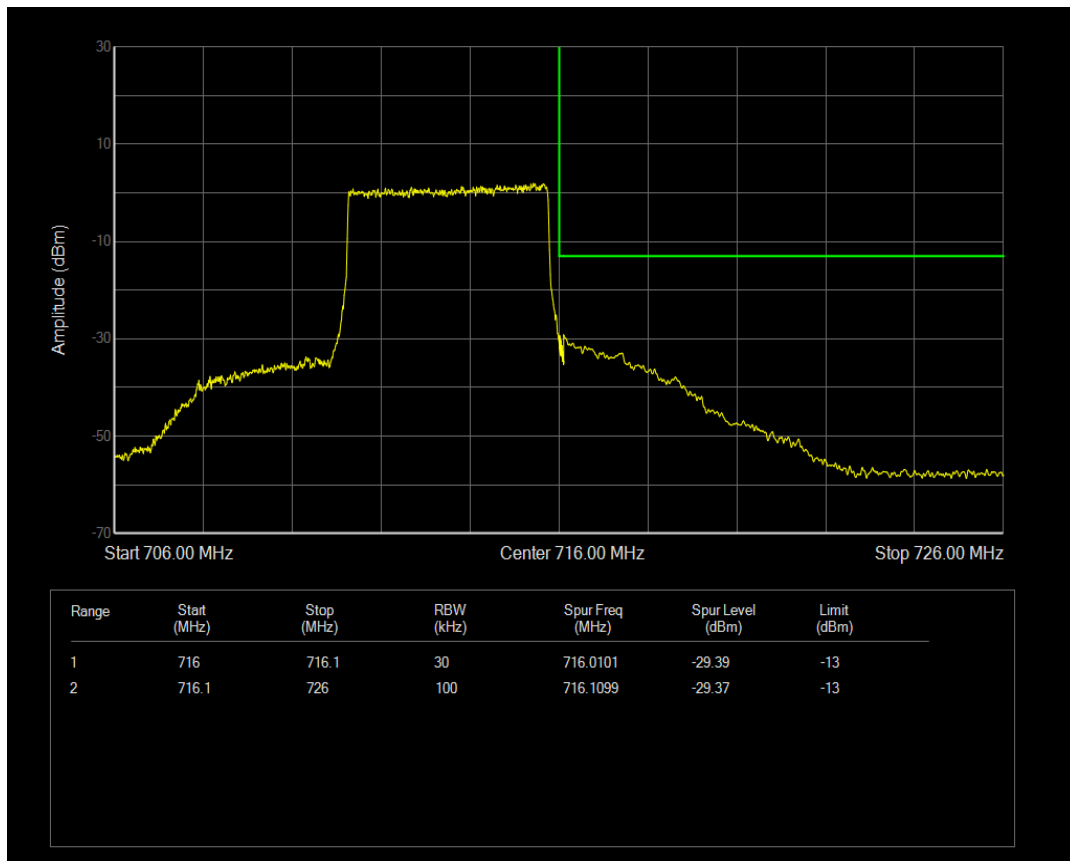
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-30.82	-13
2	698.9	699	30	698.9984	-31.02	-13

Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0

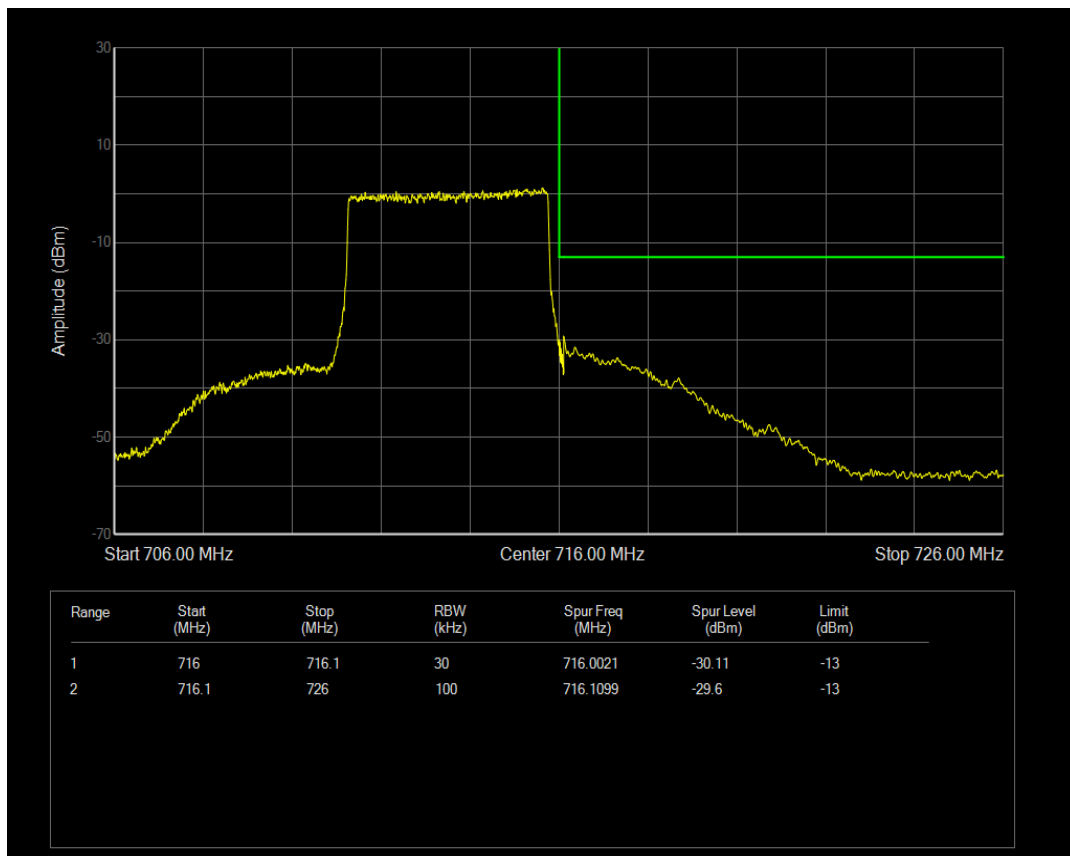


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-32.52	-13
2	698.9	699	30	698.998	-31.89	-13

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

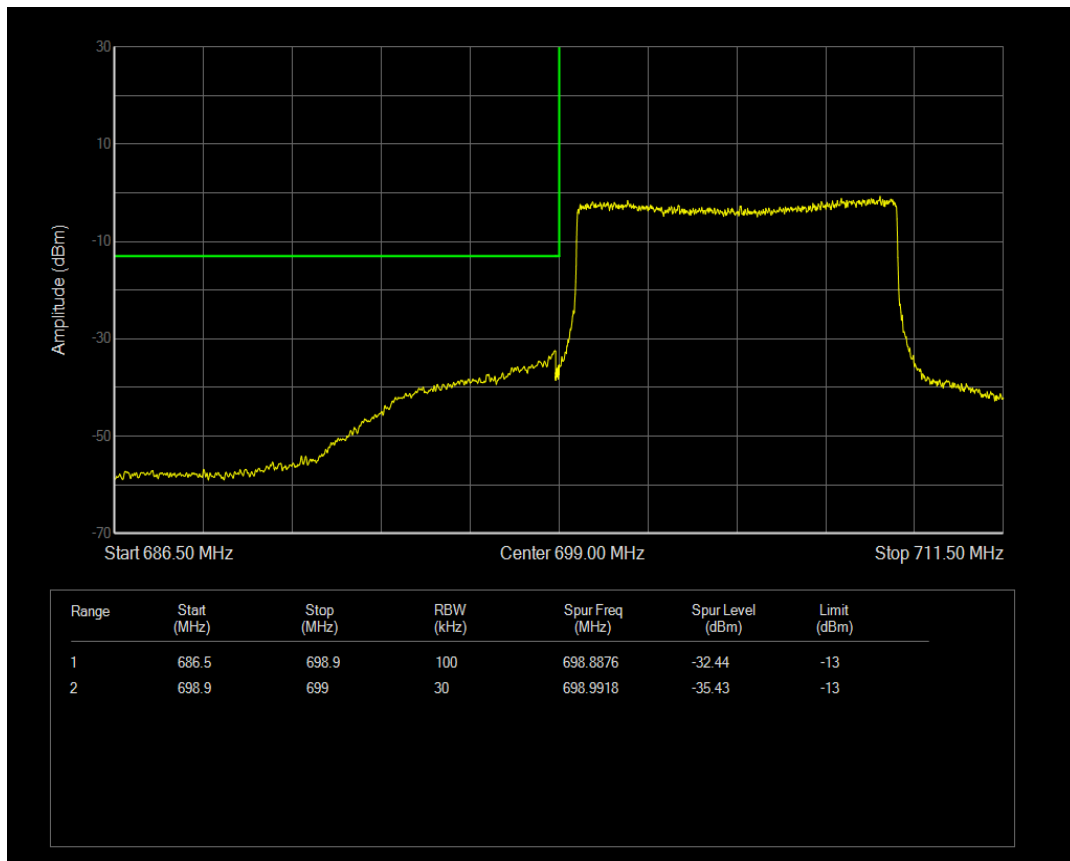


Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0

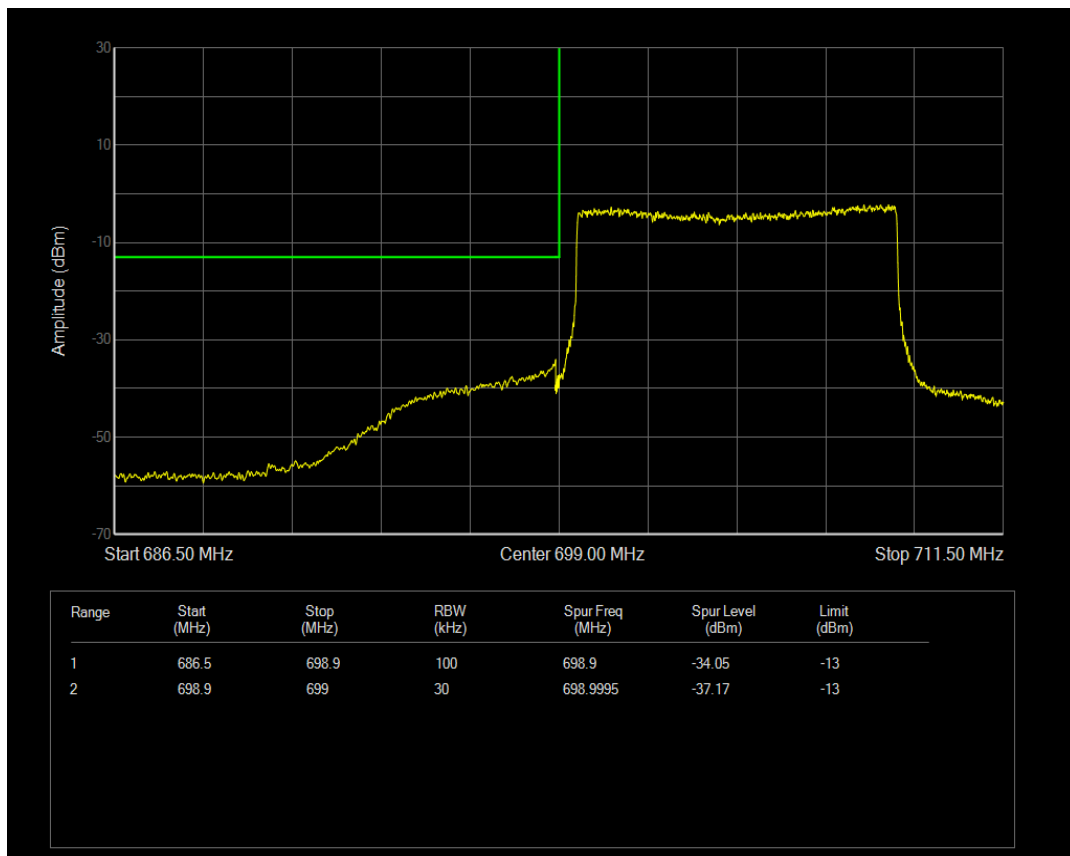




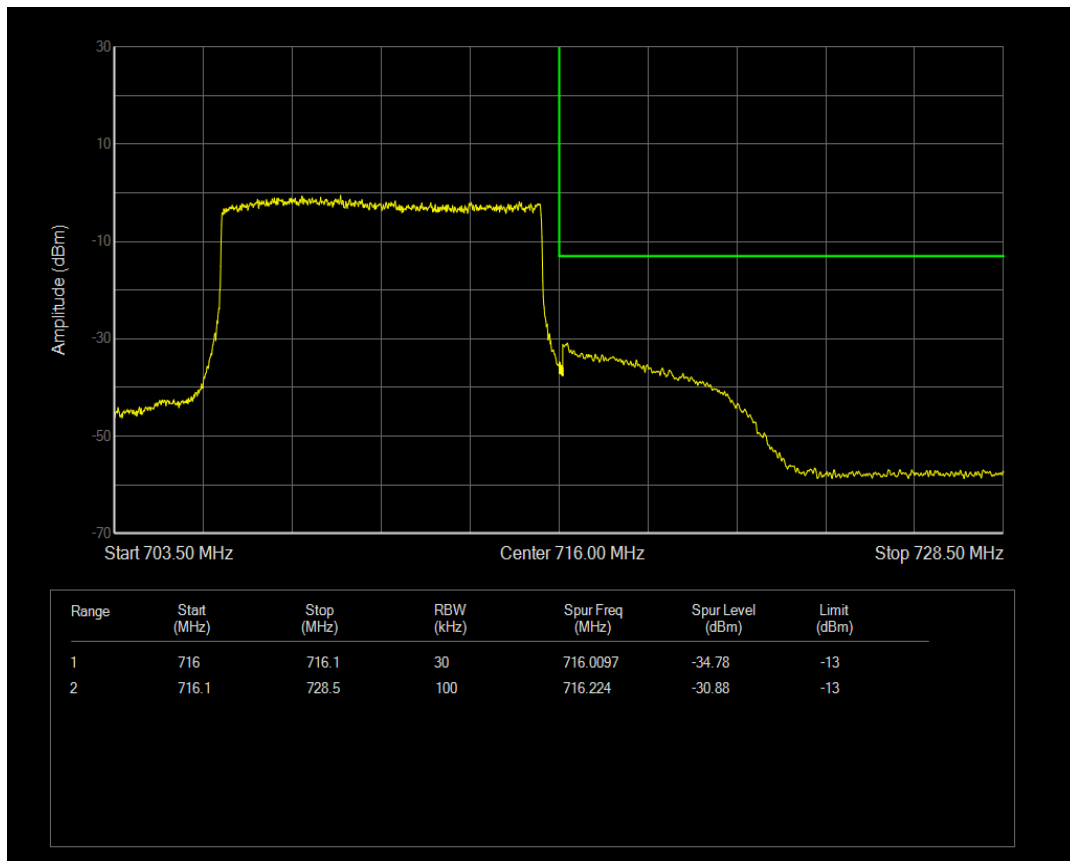
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



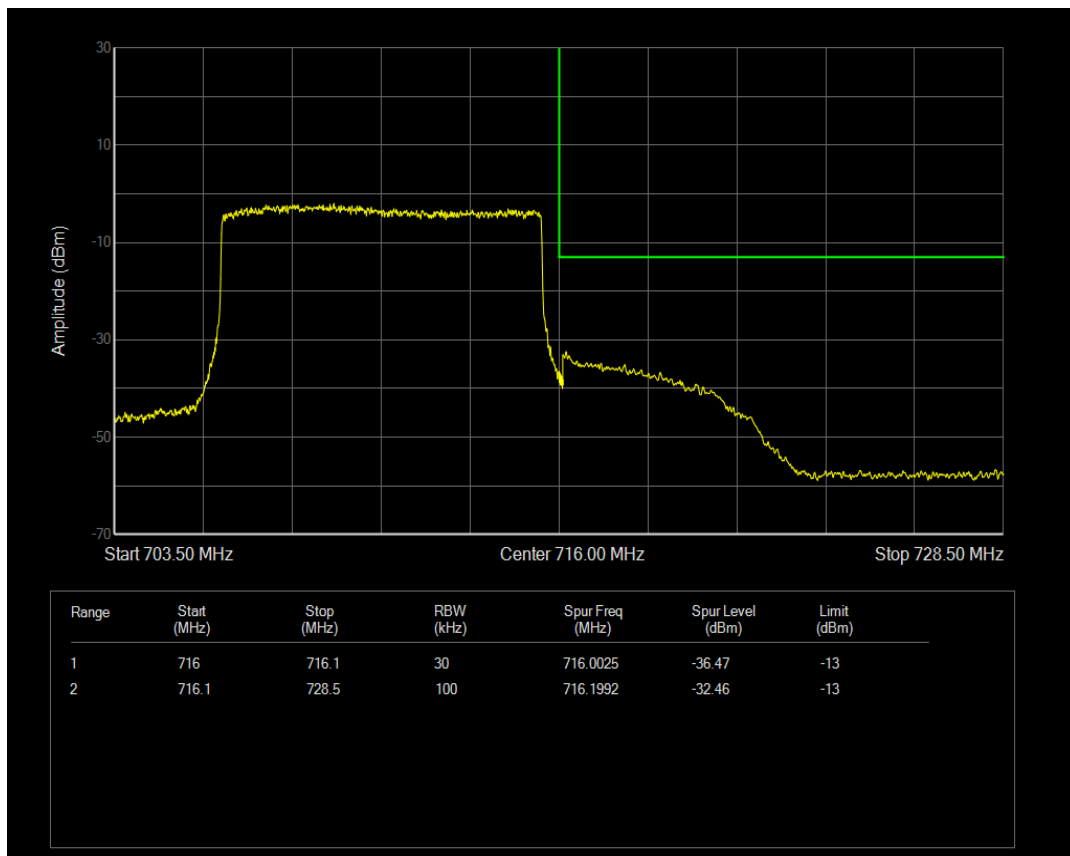
Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0



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



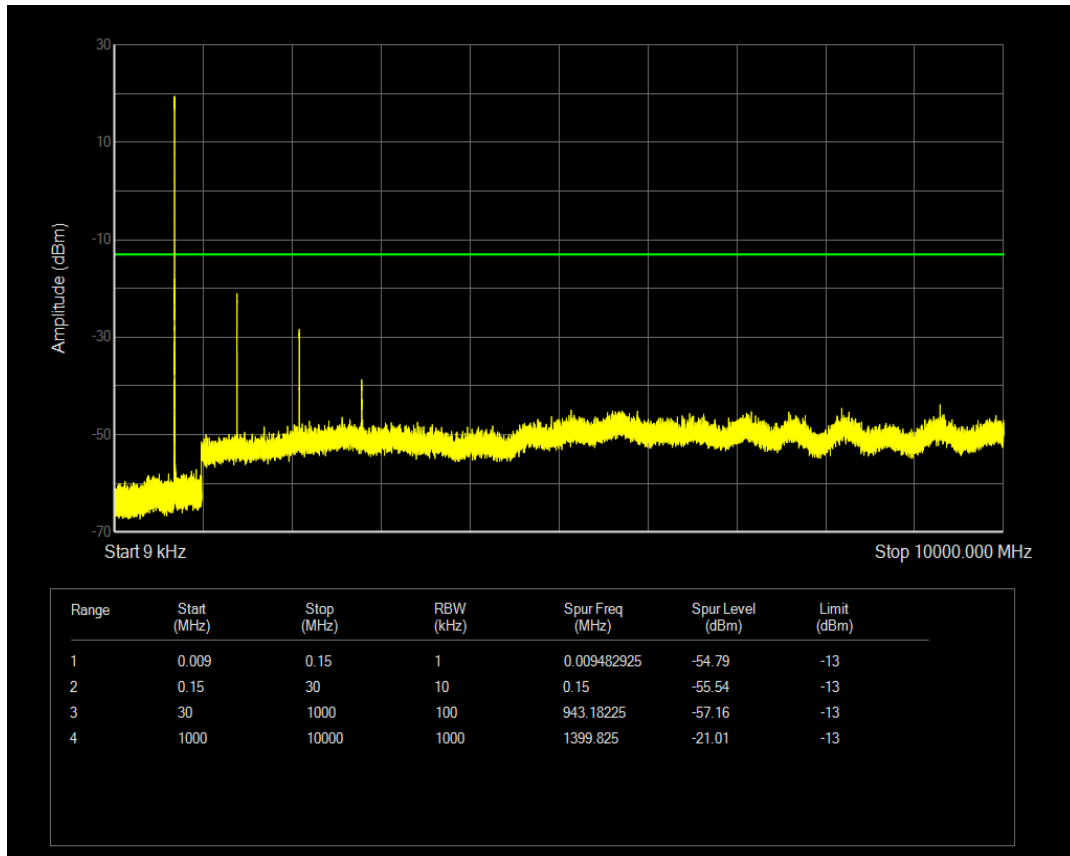
Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0



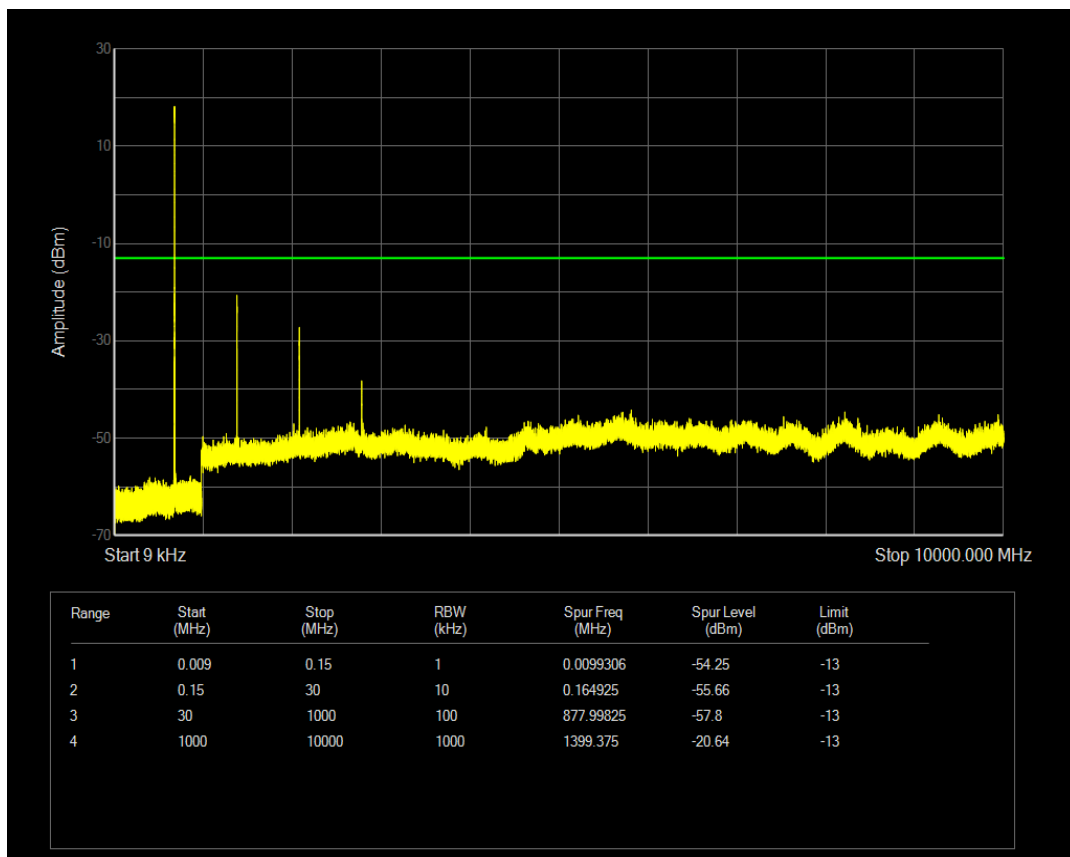
Appendix 6. Out-of-band emissions

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	1399.83	-21.01	-13	PASS
Band12	1.4	23017	6	#0	QAM16	1399.38	-20.64	-13	PASS
Band12	1.4	23095	6	#0	QPSK	1415.35	-15.87	-13	PASS
Band12	1.4	23095	6	#0	QAM16	1415.35	-16.29	-13	PASS
Band12	1.4	23173	6	#0	QPSK	1431.33	-18.33	-13	PASS
Band12	1.4	23173	6	#0	QAM16	1430.65	-18.44	-13	PASS
Band12	3	23025	15	#0	QPSK	1399.60	-25.76	-13	PASS
Band12	3	23025	15	#0	QAM16	1399.60	-26.34	-13	PASS
Band12	3	23095	15	#0	QPSK	1417.15	-20.09	-13	PASS
Band12	3	23095	15	#0	QAM16	1415.58	-19.98	-13	PASS
Band12	3	23165	15	#0	QPSK	1429.53	-22.49	-13	PASS
Band12	3	23165	15	#0	QAM16	1430.88	-22.21	-13	PASS
Band12	5	23035	25	#0	QPSK	1401.40	-29.38	-13	PASS
Band12	5	23035	25	#0	QAM16	1401.63	-28.03	-13	PASS
Band12	5	23095	25	#0	QPSK	1417.38	-22.50	-13	PASS
Band12	5	23095	25	#0	QAM16	1415.35	-21.44	-13	PASS
Band12	5	23155	25	#0	QPSK	1426.83	-24.81	-13	PASS
Band12	5	23155	25	#0	QAM16	1428.63	-24.81	-13	PASS
Band12	10	23060	50	#0	QPSK	1415.13	-25.58	-13	PASS
Band12	10	23060	50	#0	QAM16	1413.10	-26.07	-13	PASS
Band12	10	23095	50	#0	QPSK	1417.60	-24.64	-13	PASS
Band12	10	23095	50	#0	QAM16	1415.58	-23.20	-13	PASS
Band12	10	23130	50	#0	QPSK	1417.60	-24.04	-13	PASS
Band12	10	23130	50	#0	QAM16	1417.38	-26.03	-13	PASS

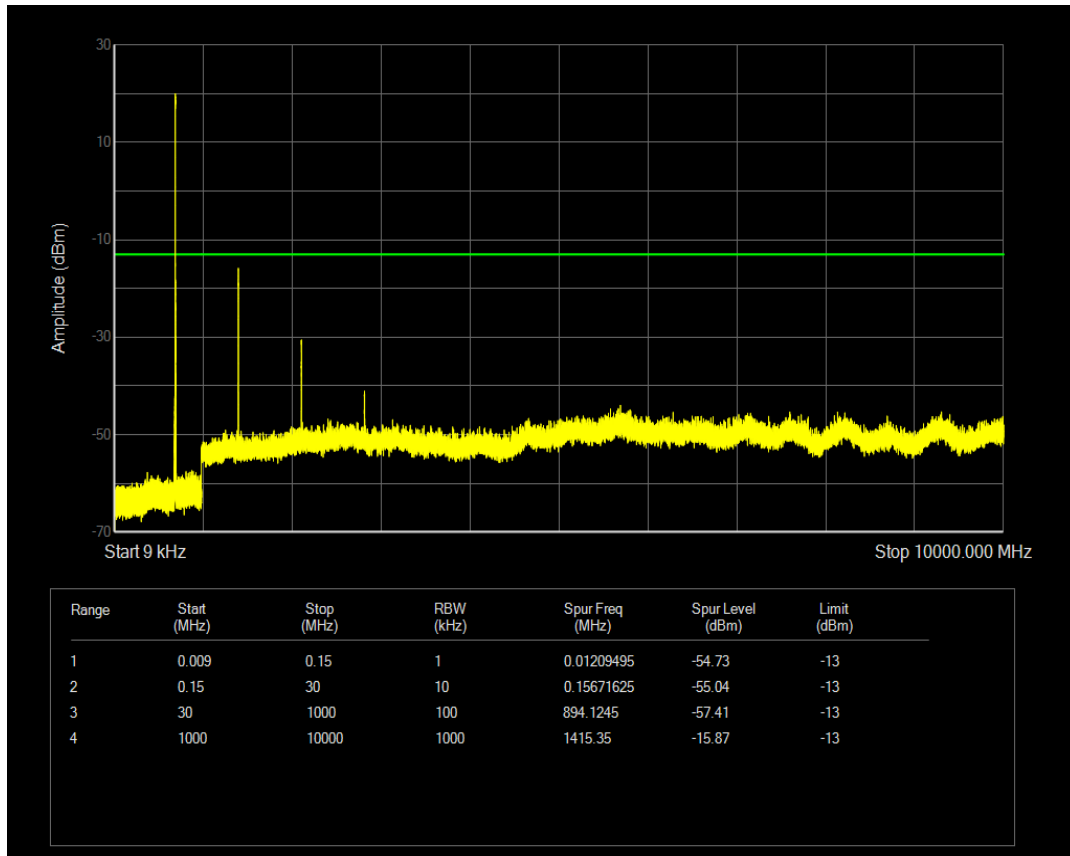
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



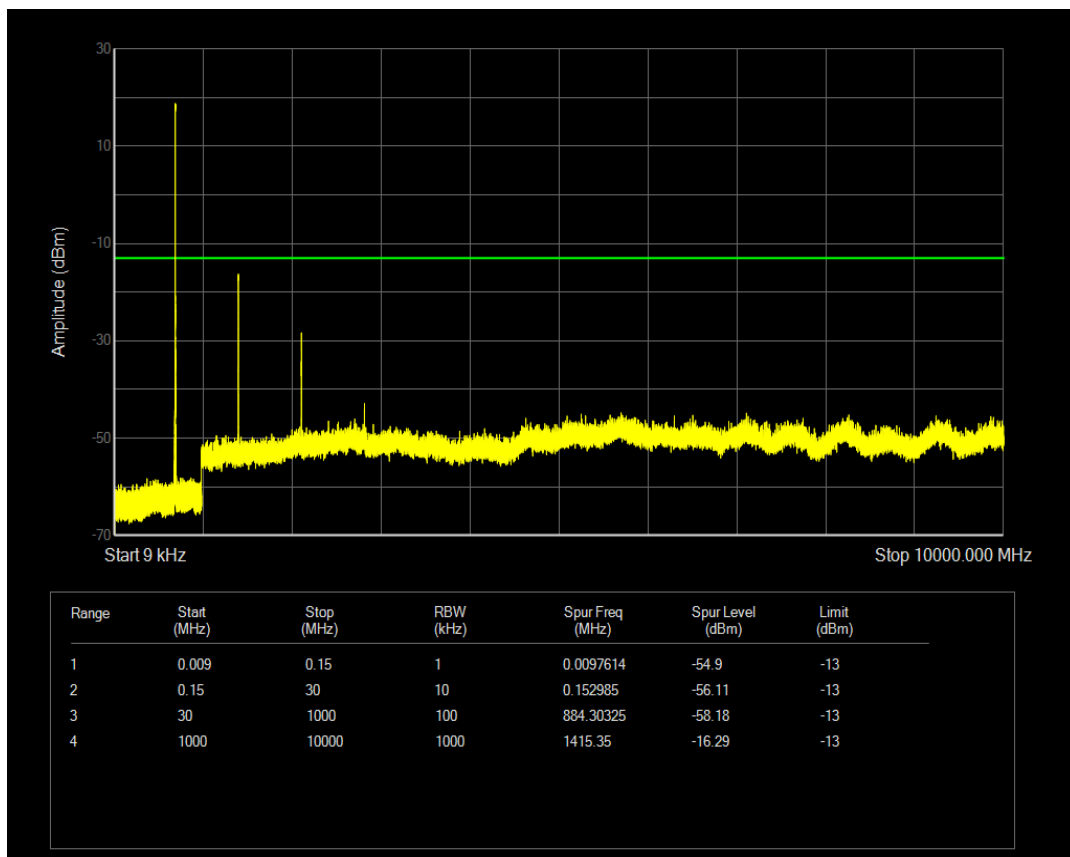
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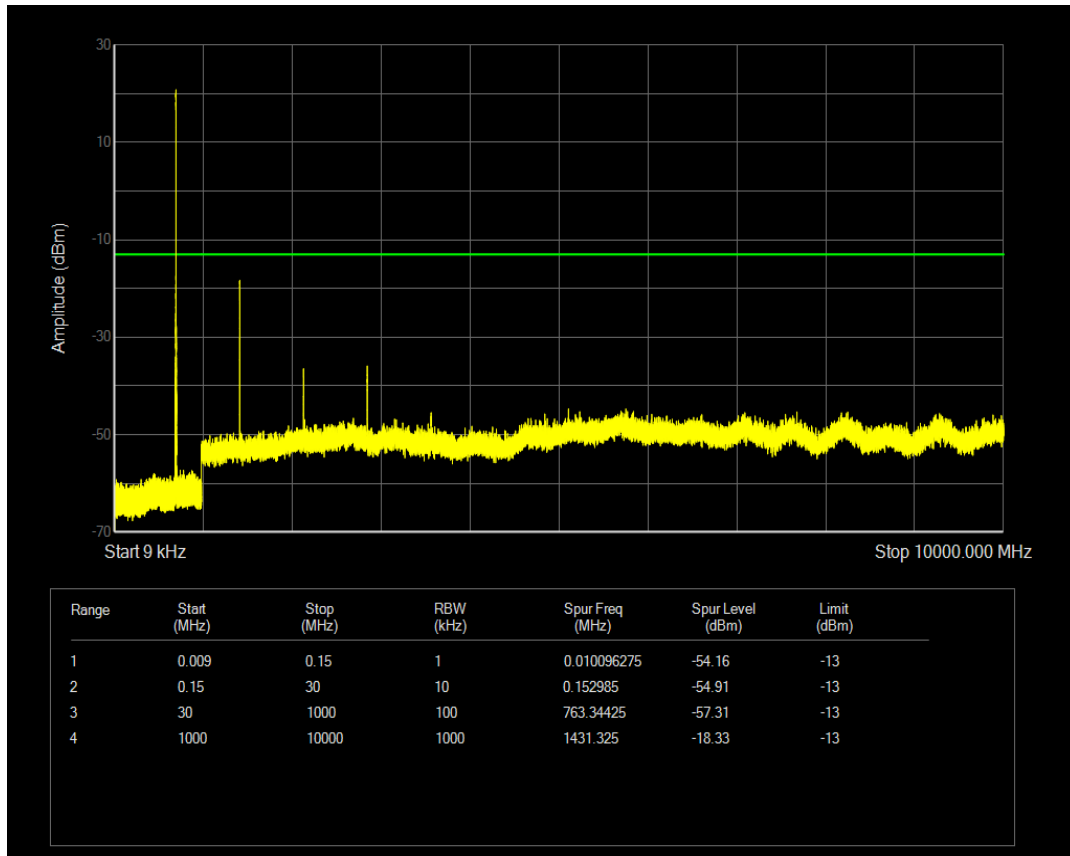
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



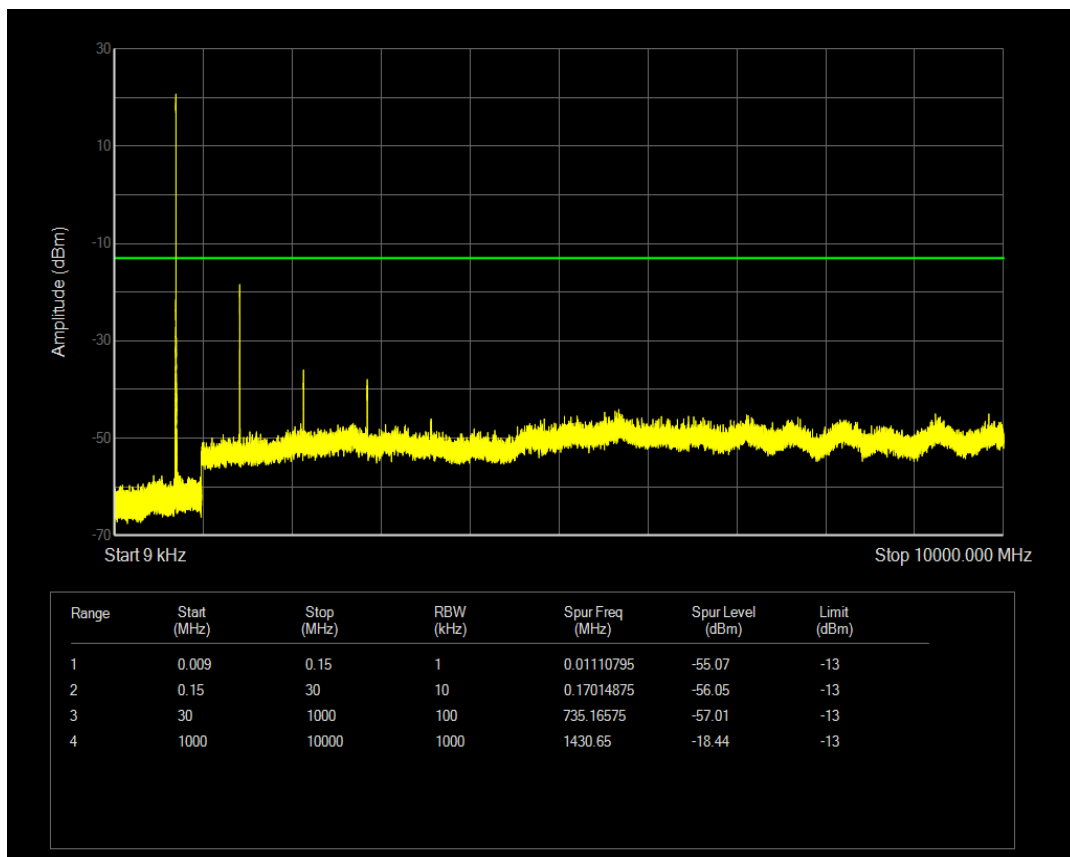
Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=6 Position=#0



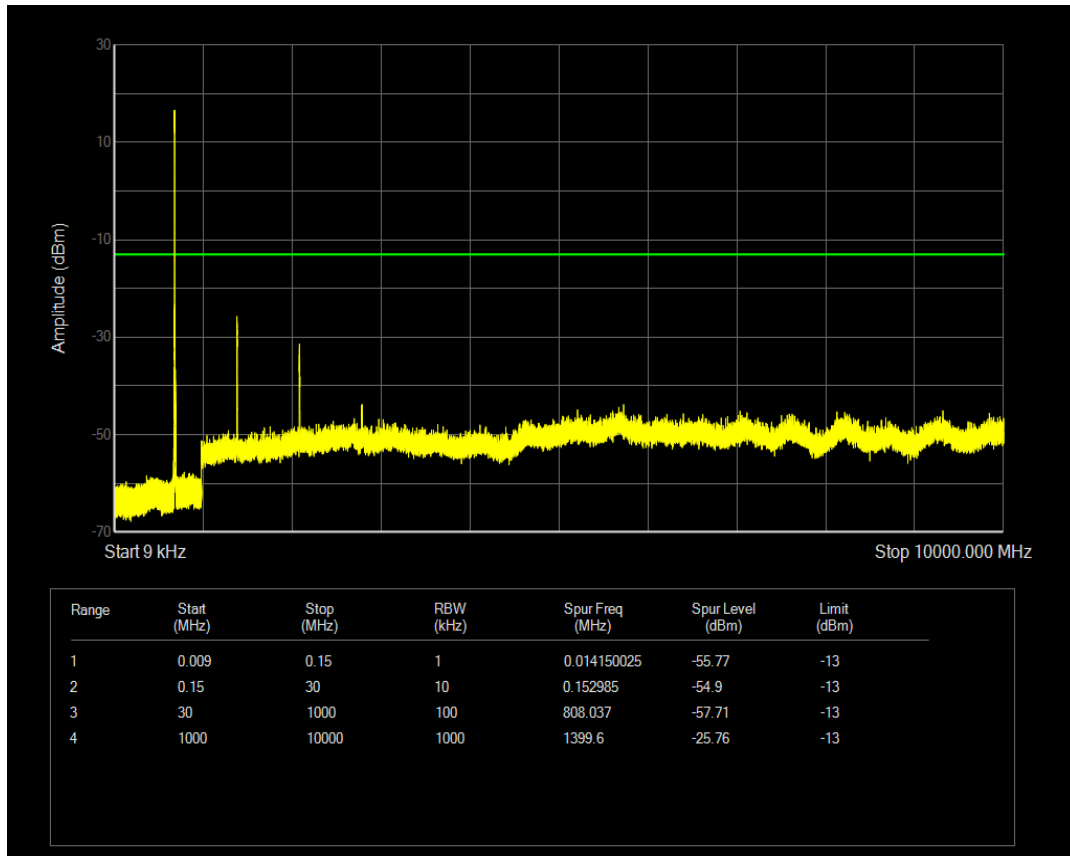
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



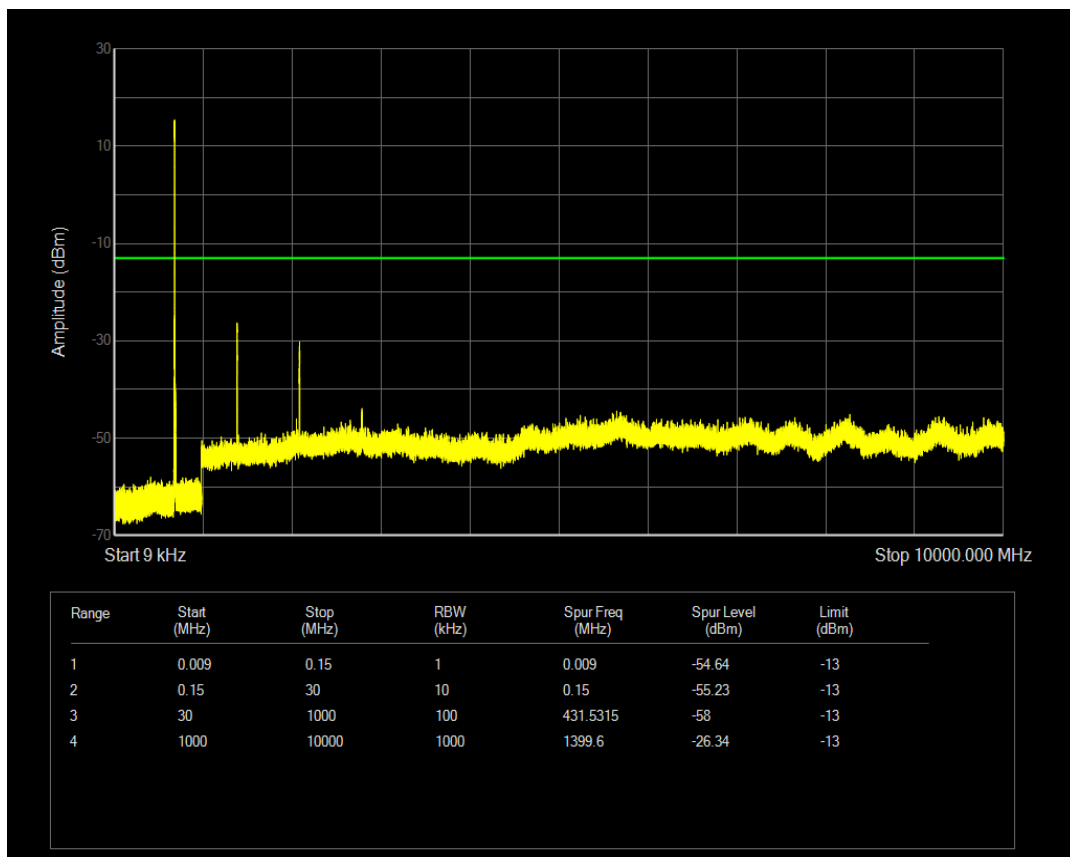
Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0



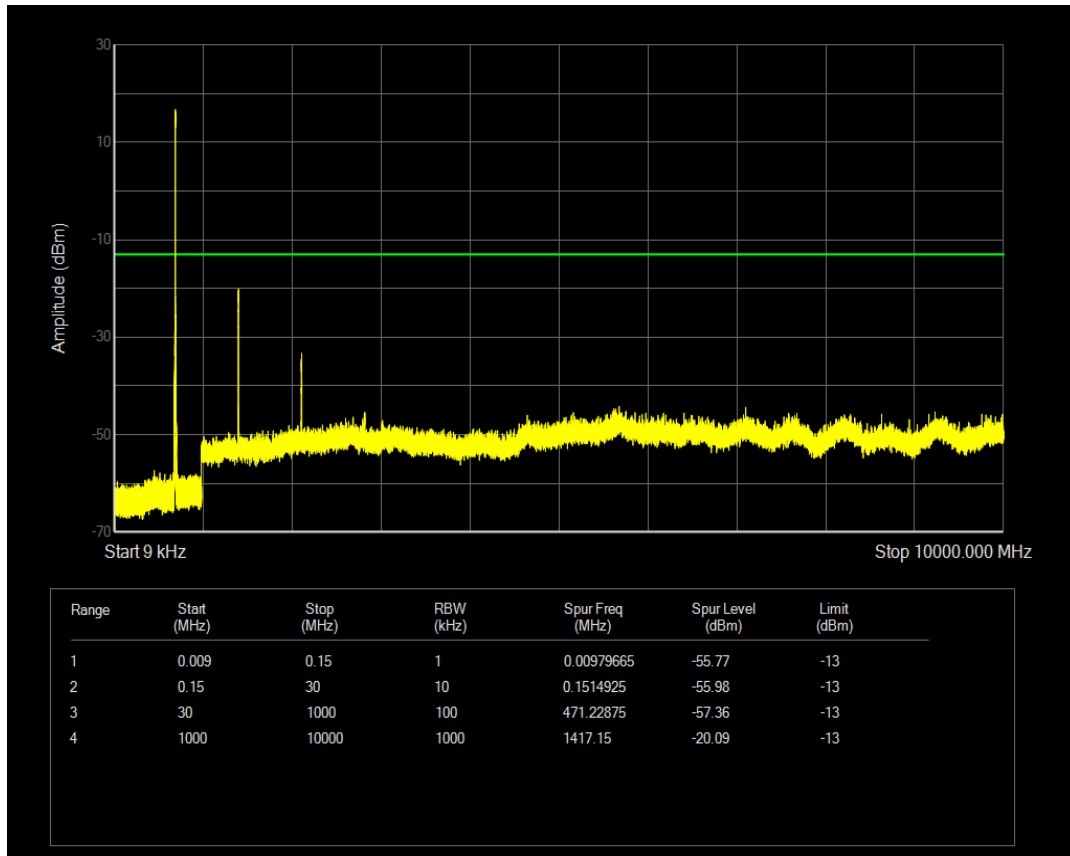
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



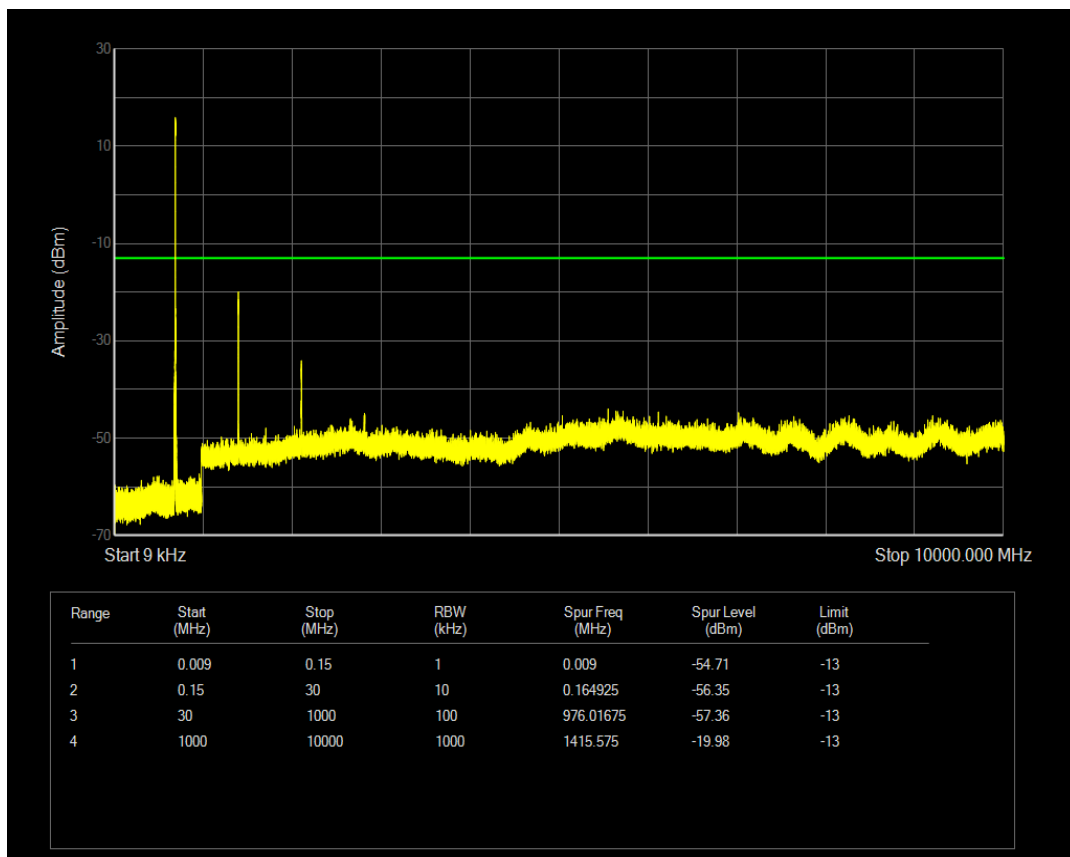
Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0



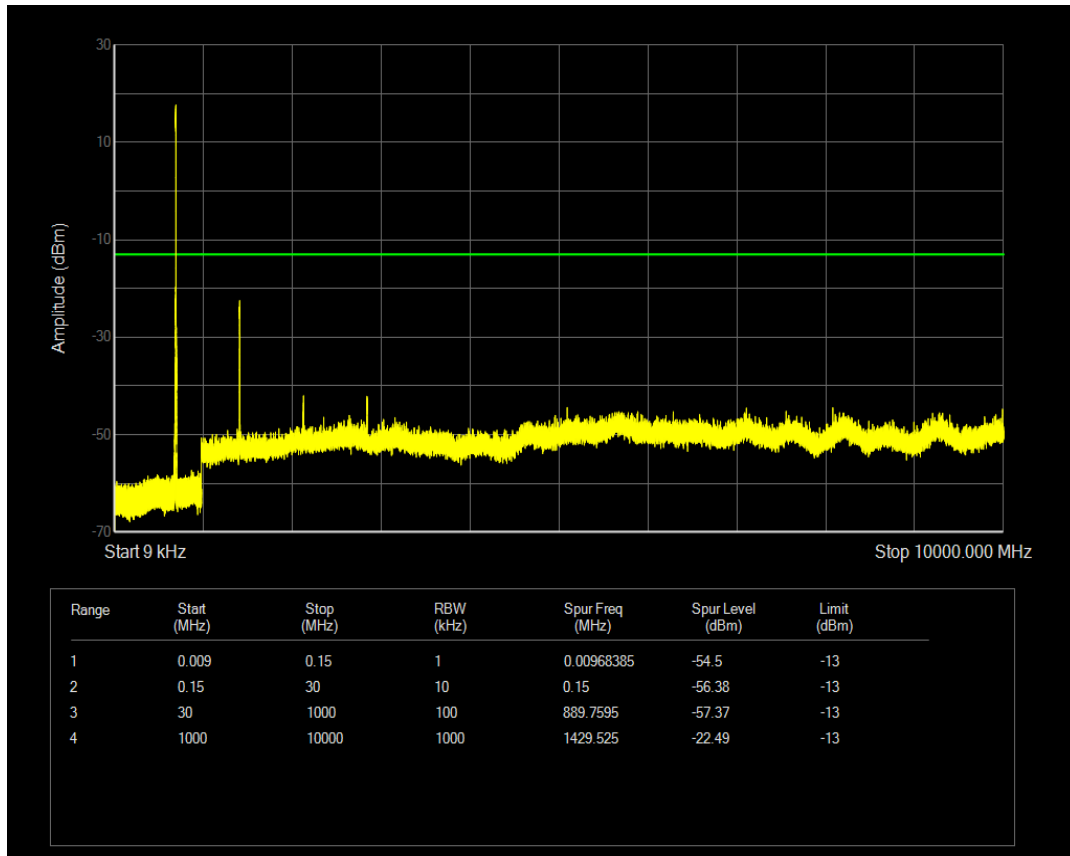
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



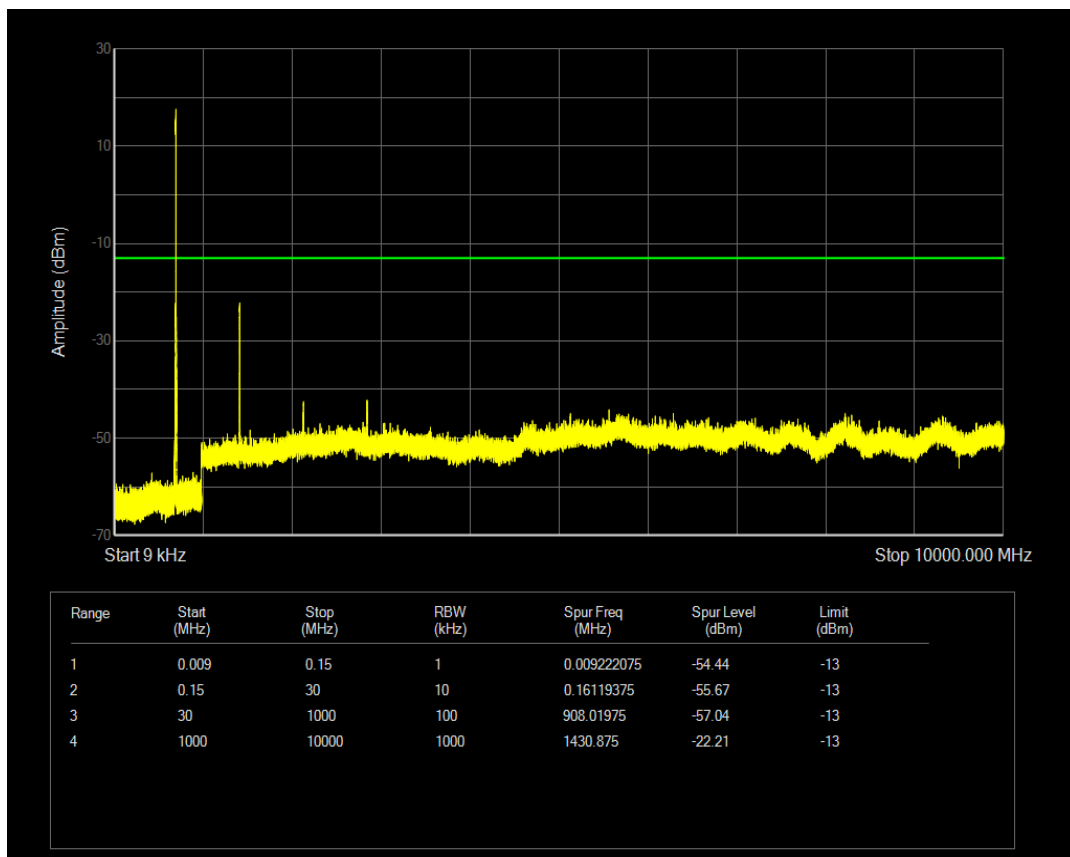
Band12 QAM16 BW=3MHz Channel=23095 RB Size=15 Position=#0



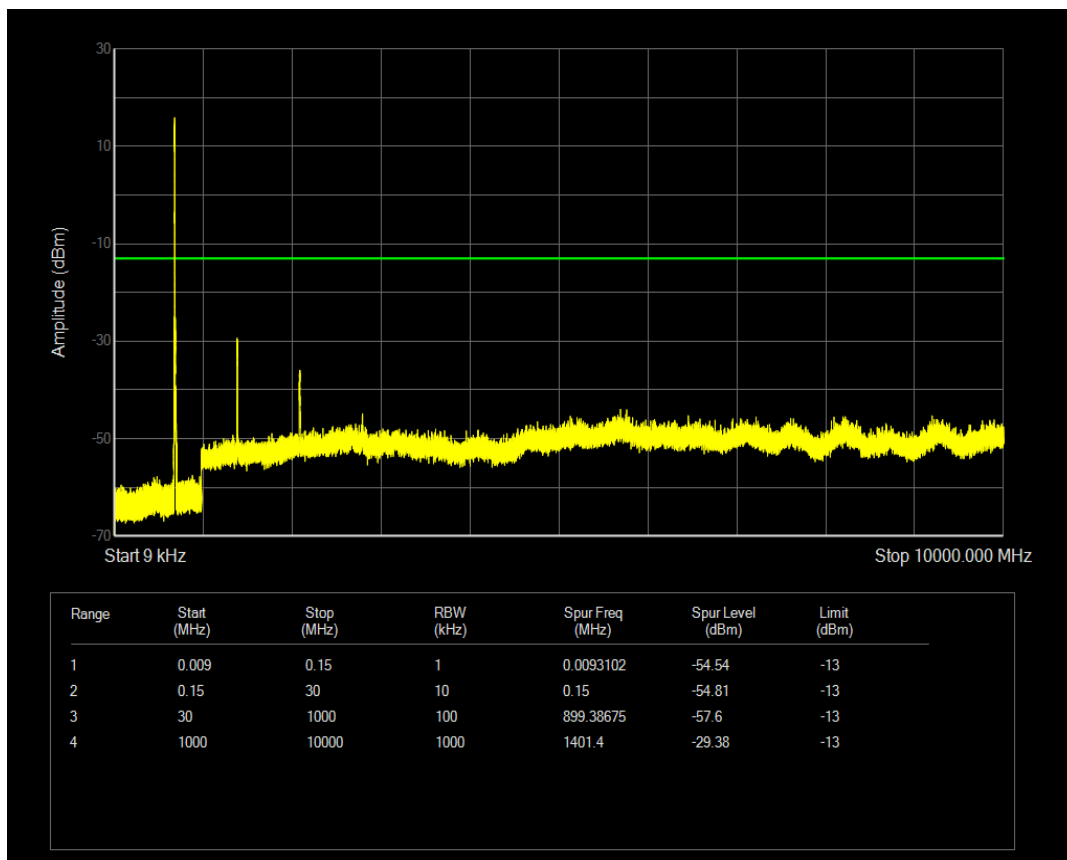
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



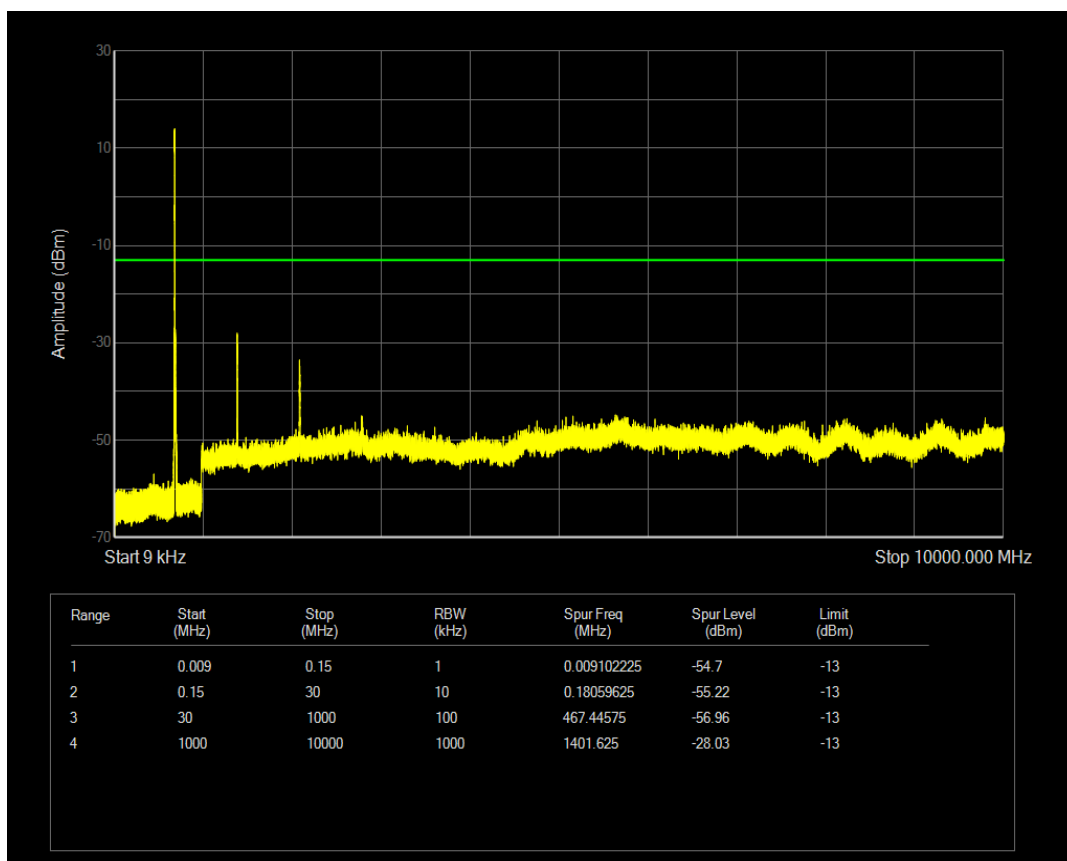
Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0



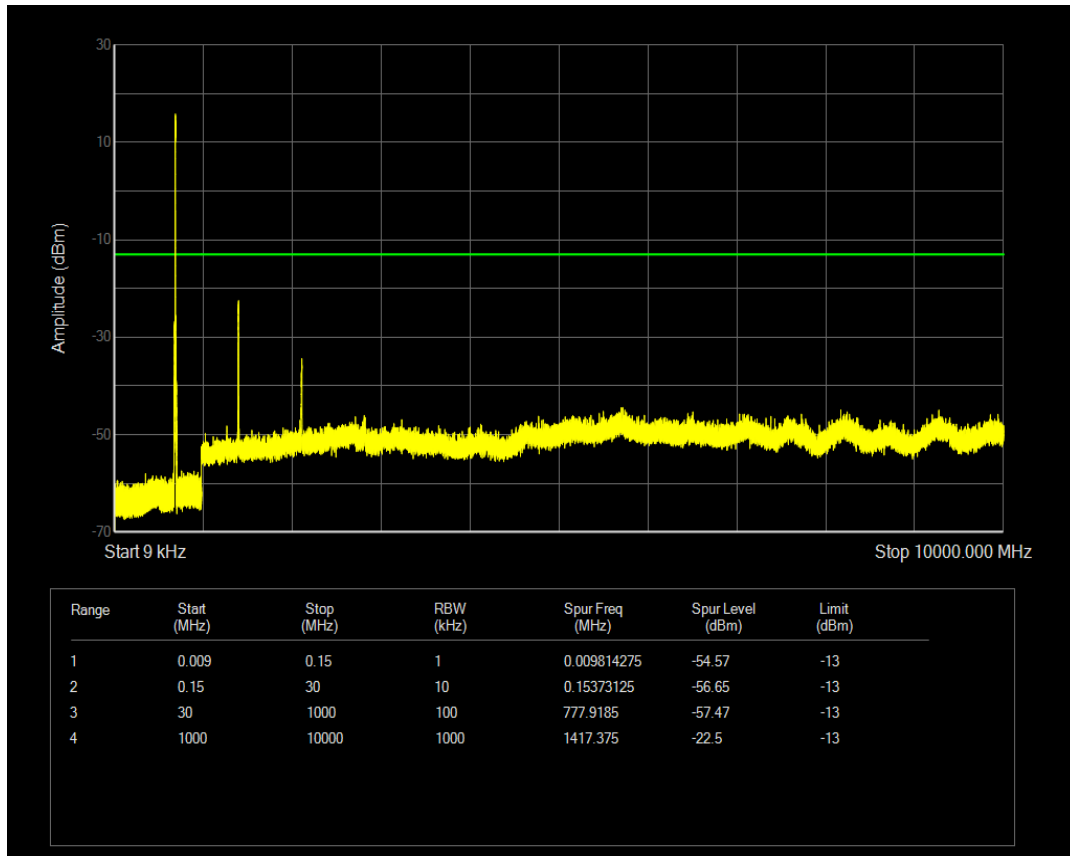
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



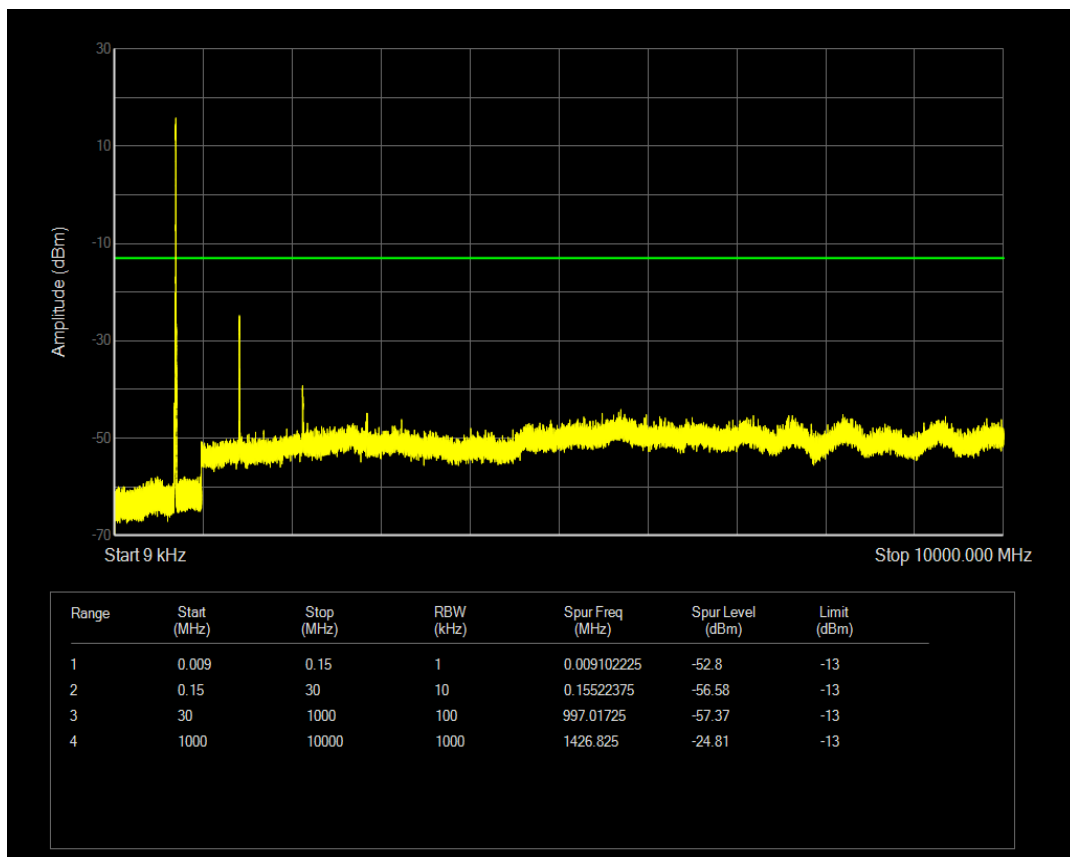
Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0



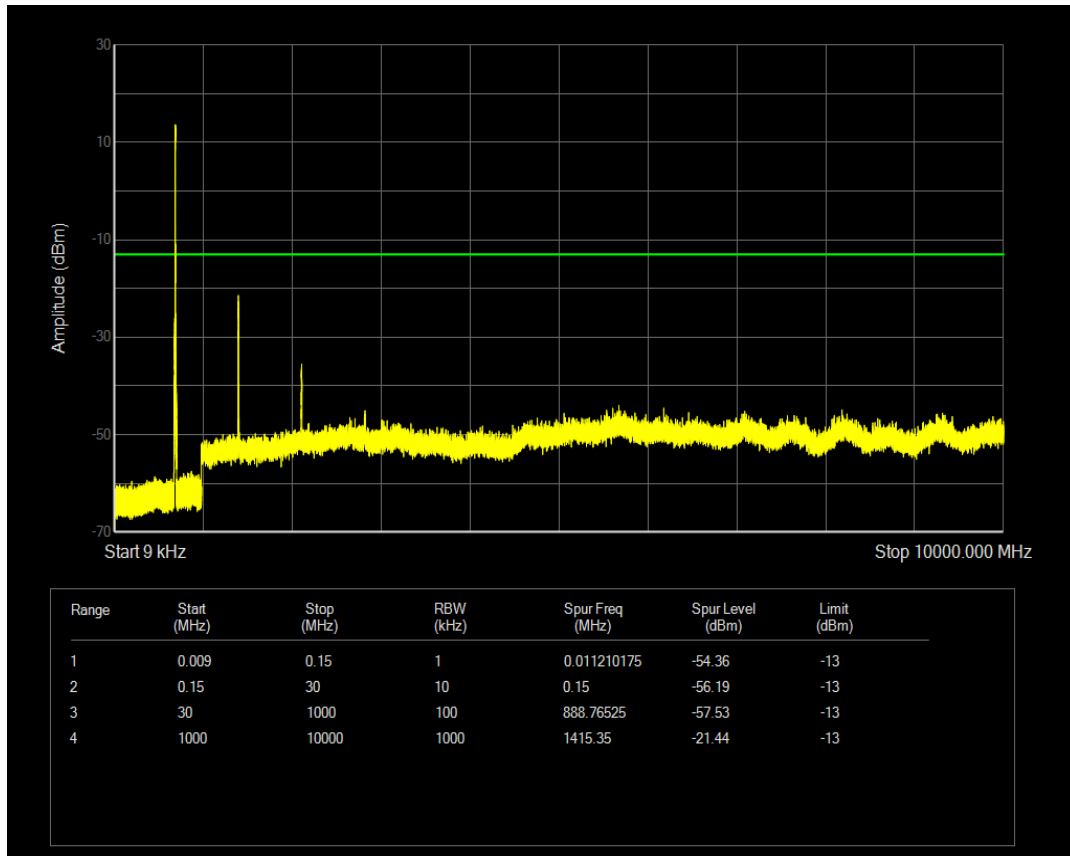
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



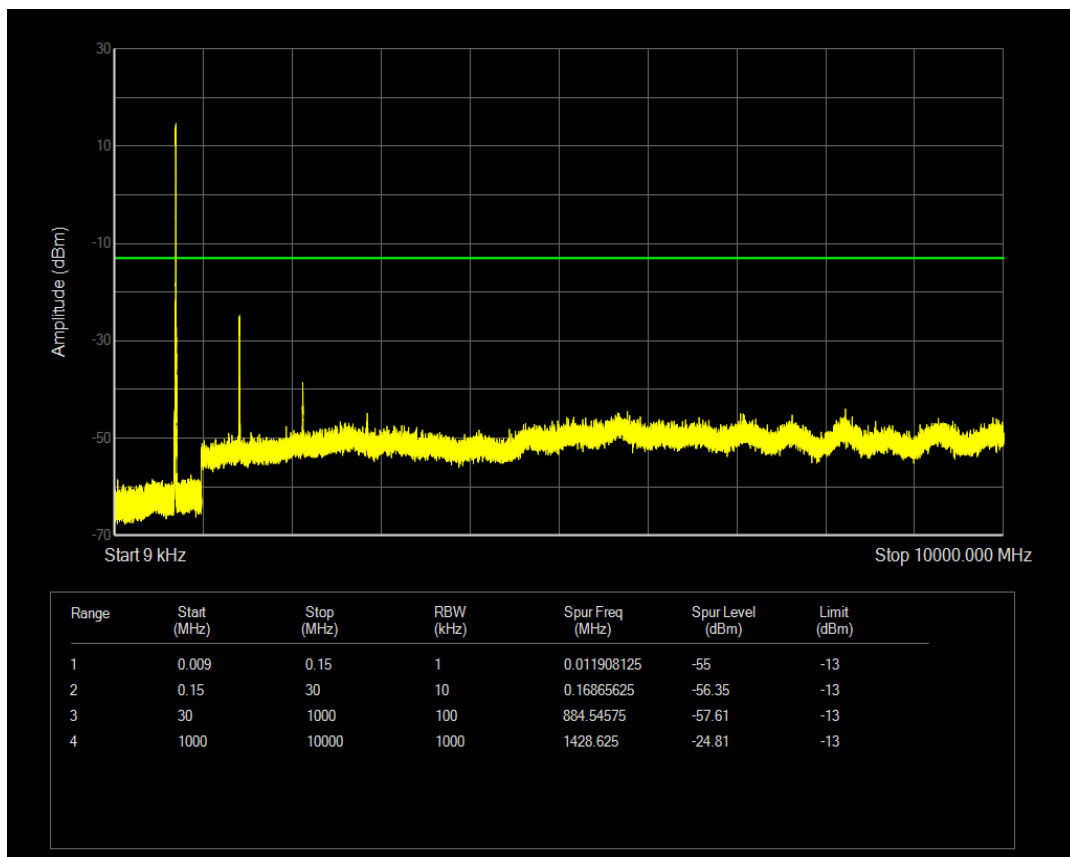
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



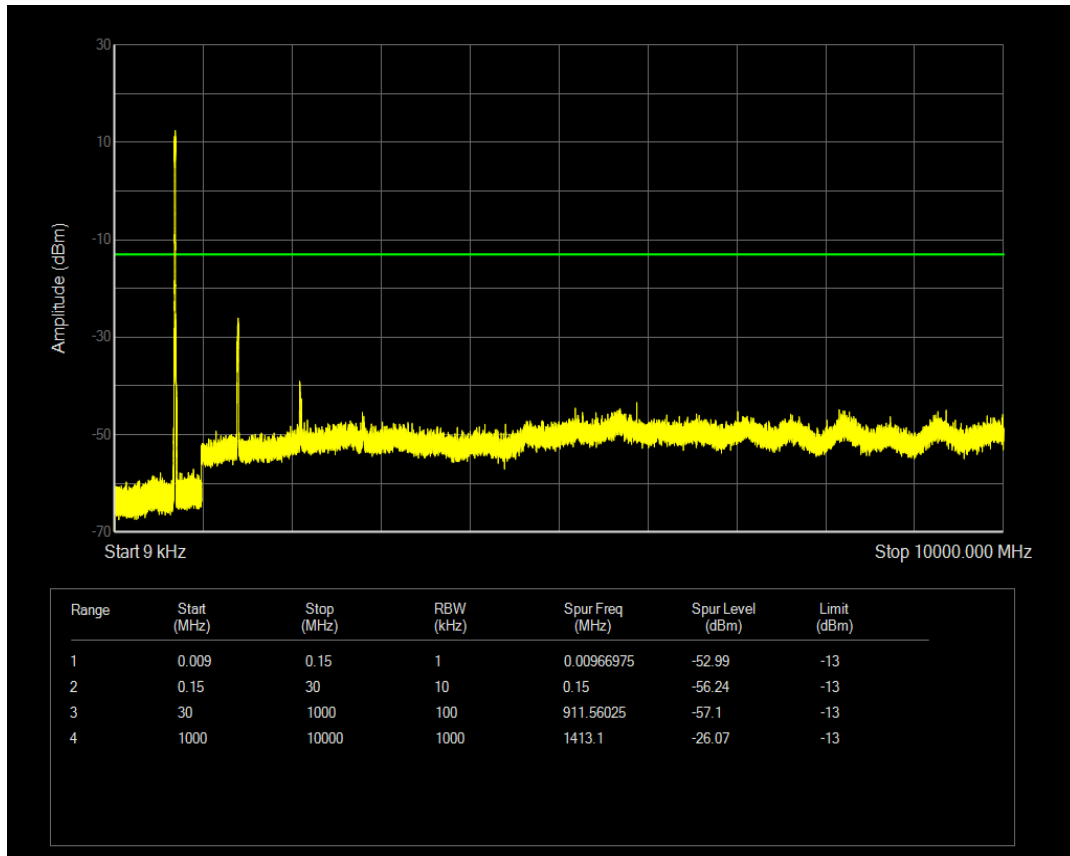
Band12 QAM16 BW=5MHz Channel=23095 RB Size=25 Position=#0



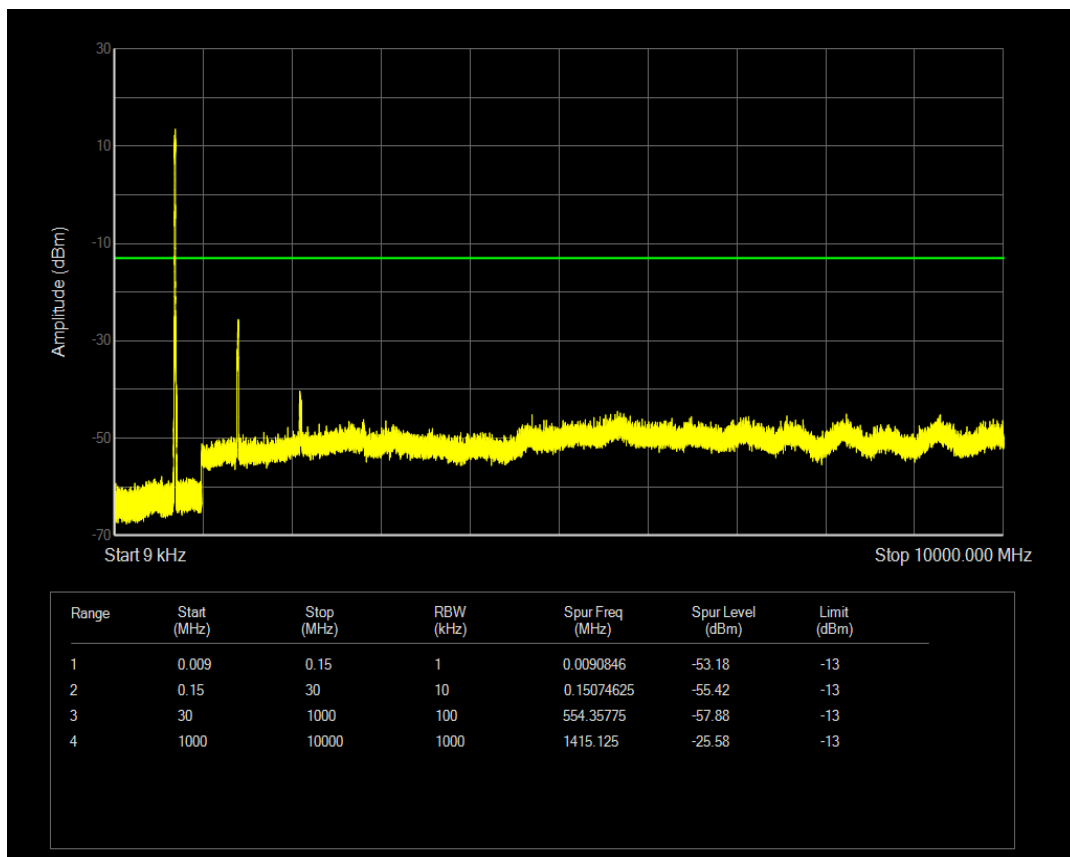
Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0



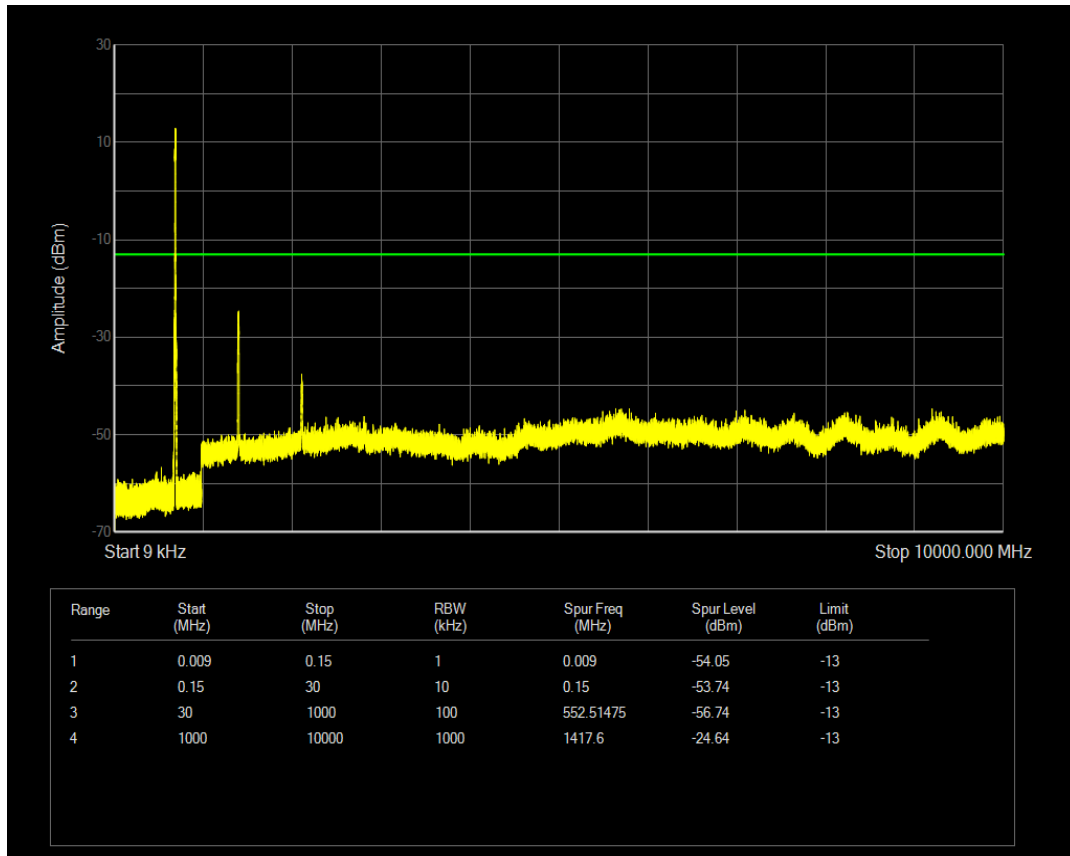
Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0



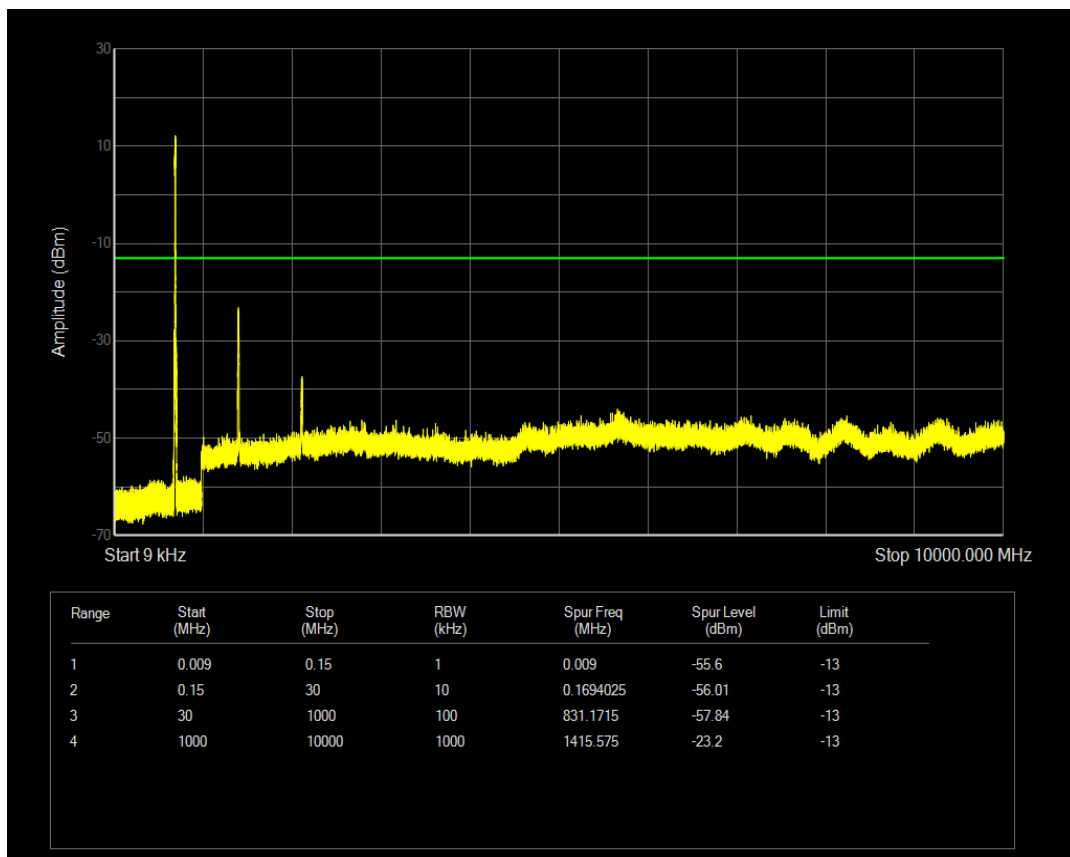
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



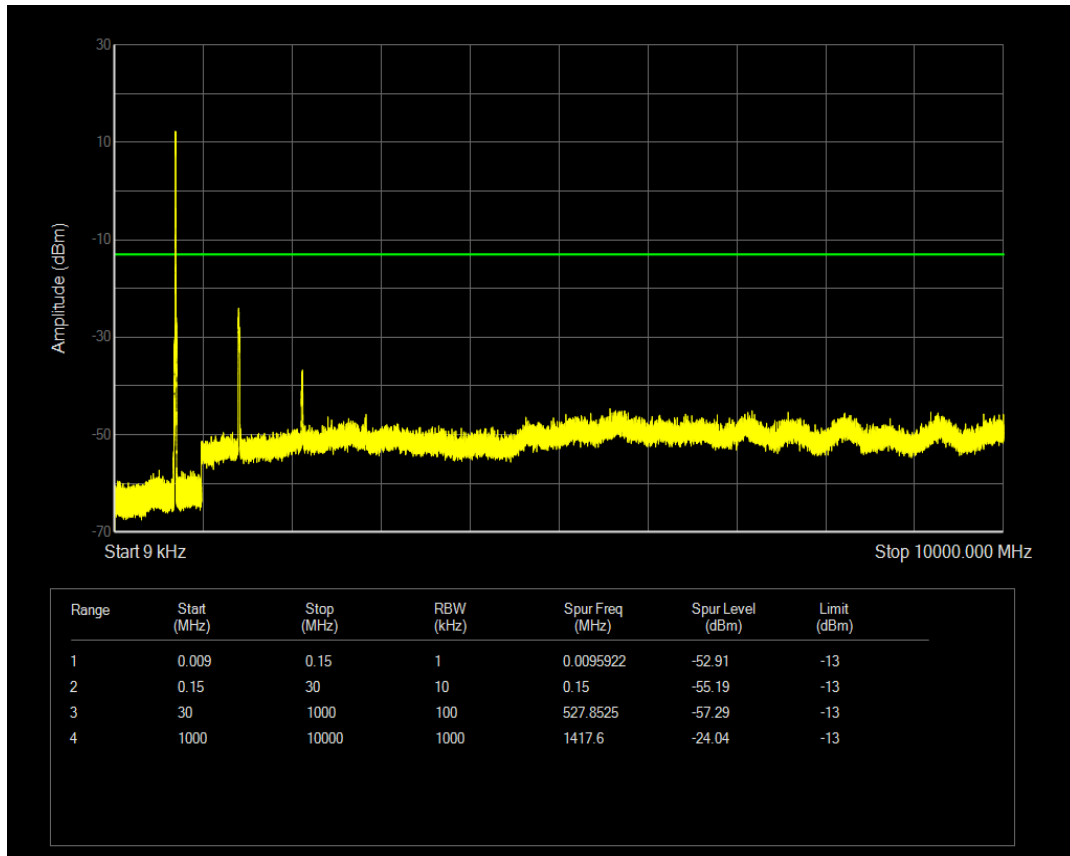
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



Band12 QAM16 BW=10MHz Channel=23095 RB Size=50 Position=#0



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



Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0

