

Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	ERP Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band1 2	1.4	23017	1	#0	QPSK	22.38	-10	10.23	37	12.38	37	PASS
Band1 2	1.4	23017	1	#Mid	QPSK	22.40	-10	10.25	37	12.40	37	PASS
Band1 2	1.4	23017	1	#Max	QPSK	22.38	-10	10.23	37	12.38	37	PASS
Band1 2	1.4	23017	3	#0	QPSK	22.26	-10	10.11	37	12.26	37	PASS
Band1 2	1.4	23017	3	#Mid	QPSK	22.36	-10	10.21	37	12.36	37	PASS
Band1 2	1.4	23017	3	#Max	QPSK	22.34	-10	10.19	37	12.34	37	PASS
Band1 2	1.4	23017	6	#0	QPSK	21.40	-10	9.25	37	11.40	37	PASS
Band1 2	1.4	23017	1	#0	16QAM	22.26	-10	10.11	37	12.26	37	PASS
Band1 2	1.4	23017	1	#Mid	16QAM	22.24	-10	10.09	37	12.24	37	PASS
Band1 2	1.4	23017	1	#Max	16QAM	22.24	-10	10.09	37	12.24	37	PASS
Band1 2	1.4	23017	3	#0	16QAM	21.43	-10	9.28	37	11.43	37	PASS
Band1 2	1.4	23017	3	#Mid	16QAM	21.48	-10	9.33	37	11.48	37	PASS
Band1 2	1.4	23017	3	#Max	16QAM	21.43	-10	9.28	37	11.43	37	PASS
Band1 2	1.4	23017	6	#0	16QAM	20.77	-10	8.62	37	10.77	37	PASS
Band1 2	1.4	23095	1	#0	QPSK	22.26	-10	10.11	37	12.26	37	PASS
Band1 2	1.4	23095	1	#Mid	QPSK	22.23	-10	10.08	37	12.23	37	PASS
Band1 2	1.4	23095	1	#Max	QPSK	22.29	-10	10.14	37	12.29	37	PASS
Band1 2	1.4	23095	3	#0	QPSK	22.20	-10	10.05	37	12.20	37	PASS

Band1 2	1.4	23095	3	#Mid	QPSK	22.1 9	-10	10.0 4	37	12.1 9	37	PAS S
Band1 2	1.4	23095	3	#Max	QPSK	22.2 4	-10	10.0 9	37	12.2 4	37	PAS S
Band1 2	1.4	23095	6	#0	QPSK	21.2 0	-10	9.05	37	11.2 0	37	PAS S
Band1 2	1.4	23095	1	#0	16QAM	21.9 5	-10	9.80	37	11.9 5	37	PAS S
Band1 2	1.4	23095	1	#Mid	16QAM	21.8 7	-10	9.72	37	11.8 7	37	PAS S
Band1 2	1.4	23095	1	#Max	16QAM	21.8 8	-10	9.73	37	11.8 8	37	PAS S
Band1 2	1.4	23095	3	#0	16QAM	21.2 3	-10	9.08	37	11.2 3	37	PAS S
Band1 2	1.4	23095	3	#Mid	16QAM	21.2 3	-10	9.08	37	11.2 3	37	PAS S
Band1 2	1.4	23095	3	#Max	16QAM	21.2 0	-10	9.05	37	11.2 0	37	PAS S
Band1 2	1.4	23095	6	#0	16QAM	20.1 1	-10	7.96	37	10.1 1	37	PAS S
Band1 2	1.4	23173	1	#0	QPSK	22.2 0	-10	10.0 5	37	12.2 0	37	PAS S
Band1 2	1.4	23173	1	#Mid	QPSK	22.2 5	-10	10.1 0	37	12.2 5	37	PAS S
Band1 2	1.4	23173	1	#Max	QPSK	22.2 5	-10	10.1 0	37	12.2 5	37	PAS S
Band1 2	1.4	23173	3	#0	QPSK	22.2 4	-10	10.0 9	37	12.2 4	37	PAS S
Band1 2	1.4	23173	3	#Mid	QPSK	22.2 7	-10	10.1 2	37	12.2 7	37	PAS S
Band1 2	1.4	23173	3	#Max	QPSK	22.3 0	-10	10.1 5	37	12.3 0	37	PAS S
Band1 2	1.4	23173	6	#0	QPSK	21.3 4	-10	9.19	37	11.3 4	37	PAS S
Band1 2	1.4	23173	1	#0	16QAM	22.0 1	-10	9.86	37	12.0 1	37	PAS S
Band1 2	1.4	23173	1	#Mid	16QAM	22.1 8	-10	10.0 3	37	12.1 8	37	PAS S
Band1 2	1.4	23173	1	#Max	16QAM	22.1 7	-10	10.0 2	37	12.1 7	37	PAS S
Band1 2	1.4	23173	3	#0	16QAM	21.5 7	-10	9.42	37	11.5 7	37	PAS S
Band1 2	1.4	23173	3	#Mid	16QAM	21.6 3	-10	9.48	37	11.6 3	37	PAS S

Band1 2	1.4	23173	3	#Max	16QAM	21.5 4	-10	9.39	37	11.5 4	37	PAS S
Band1 2	1.4	23173	6	#0	16QAM	20.4 9	-10	8.34	37	10.4 9	37	PAS S
Band1 2	3	23025	1	#0	QPSK	22.2 7	-10	10.1 2	37	12.2 7	37	PAS S
Band1 2	3	23025	1	#Mid	QPSK	22.2 7	-10	10.1 2	37	12.2 7	37	PAS S
Band1 2	3	23025	1	#Max	QPSK	22.3 0	-10	10.1 5	37	12.3 0	37	PAS S
Band1 2	3	23025	8	#0	QPSK	21.2 0	-10	9.05	37	11.2 0	37	PAS S
Band1 2	3	23025	8	#Mid	QPSK	21.3 3	-10	9.18	37	11.3 3	37	PAS S
Band1 2	3	23025	8	#Max	QPSK	21.3 2	-10	9.17	37	11.3 2	37	PAS S
Band1 2	3	23025	15	#0	QPSK	21.2 9	-10	9.14	37	11.2 9	37	PAS S
Band1 2	3	23025	1	#0	16QAM	22.1 5	-10	10.0 0	37	12.1 5	37	PAS S
Band1 2	3	23025	1	#Mid	16QAM	22.0 6	-10	9.91	37	12.0 6	37	PAS S
Band1 2	3	23025	1	#Max	16QAM	22.2 0	-10	10.0 5	37	12.2 0	37	PAS S
Band1 2	3	23025	8	#0	16QAM	20.5 9	-10	8.44	37	10.5 9	37	PAS S
Band1 2	3	23025	8	#Mid	16QAM	20.5 8	-10	8.43	37	10.5 8	37	PAS S
Band1 2	3	23025	8	#Max	16QAM	20.2 2	-10	8.07	37	10.2 2	37	PAS S
Band1 2	3	23025	15	#0	16QAM	20.7 5	-10	8.60	37	10.7 5	37	PAS S
Band1 2	3	23095	1	#0	QPSK	22.2 9	-10	10.1 4	37	12.2 9	37	PAS S
Band1 2	3	23095	1	#Mid	QPSK	22.2 6	-10	10.1 1	37	12.2 6	37	PAS S
Band1 2	3	23095	1	#Max	QPSK	22.2 7	-10	10.1 2	37	12.2 7	37	PAS S
Band1 2	3	23095	8	#0	QPSK	21.2 5	-10	9.10	37	11.2 5	37	PAS S
Band1 2	3	23095	8	#Mid	QPSK	21.2 5	-10	9.10	37	11.2 5	37	PAS S
Band1 2	3	23095	8	#Max	QPSK	21.2 6	-10	9.11	37	11.2 6	37	PAS S

Band1 2	3	23095	15	#0	QPSK	21.3 3	-10	9.18	37	11.3 3	37	PAS S
Band1 2	3	23095	1	#0	16QAM	21.8 8	-10	9.73	37	11.8 8	37	PAS S
Band1 2	3	23095	1	#Mid	16QAM	21.8 7	-10	9.72	37	11.8 7	37	PAS S
Band1 2	3	23095	1	#Max	16QAM	21.9 5	-10	9.80	37	11.9 5	37	PAS S
Band1 2	3	23095	8	#0	16QAM	20.8 4	-10	8.69	37	10.8 4	37	PAS S
Band1 2	3	23095	8	#Mid	16QAM	20.4 4	-10	8.29	37	10.4 4	37	PAS S
Band1 2	3	23095	8	#Max	16QAM	20.3 4	-10	8.19	37	10.3 4	37	PAS S
Band1 2	3	23095	15	#0	16QAM	20.2 2	-10	8.07	37	10.2 2	37	PAS S
Band1 2	3	23165	1	#0	QPSK	22.2 2	-10	10.0 7	37	12.2 2	37	PAS S
Band1 2	3	23165	1	#Mid	QPSK	22.2 6	-10	10.1 1	37	12.2 6	37	PAS S
Band1 2	3	23165	1	#Max	QPSK	22.2 9	-10	10.1 4	37	12.2 9	37	PAS S
Band1 2	3	23165	8	#0	QPSK	21.2 8	-10	9.13	37	11.2 8	37	PAS S
Band1 2	3	23165	8	#Mid	QPSK	21.2 3	-10	9.08	37	11.2 3	37	PAS S
Band1 2	3	23165	8	#Max	QPSK	21.3 4	-10	9.19	37	11.3 4	37	PAS S
Band1 2	3	23165	15	#0	QPSK	21.3 3	-10	9.18	37	11.3 3	37	PAS S
Band1 2	3	23165	1	#0	16QAM	22.1 1	-10	9.96	37	12.1 1	37	PAS S
Band1 2	3	23165	1	#Mid	16QAM	22.0 9	-10	9.94	37	12.0 9	37	PAS S
Band1 2	3	23165	1	#Max	16QAM	22.2 0	-10	10.0 5	37	12.2 0	37	PAS S
Band1 2	3	23165	8	#0	16QAM	20.1 4	-10	7.99	37	10.1 4	37	PAS S
Band1 2	3	23165	8	#Mid	16QAM	20.2 1	-10	8.06	37	10.2 1	37	PAS S
Band1 2	3	23165	8	#Max	16QAM	20.3 6	-10	8.21	37	10.3 6	37	PAS S
Band1 2	3	23165	15	#0	16QAM	20.2 0	-10	8.05	37	10.2 0	37	PAS S

Band1 2	5	23035	1	#0	QPSK	22.1 5	-10	10.0 0	37	12.1 5	37	PAS S
Band1 2	5	23035	1	#Mid	QPSK	22.2 3	-10	10.0 8	37	12.2 3	37	PAS S
Band1 2	5	23035	1	#Max	QPSK	22.1 3	-10	9.98	37	12.1 3	37	PAS S
Band1 2	5	23035	12	#0	QPSK	21.3 4	-10	9.19	37	11.3 4	37	PAS S
Band1 2	5	23035	12	#Mid	QPSK	21.3 5	-10	9.20	37	11.3 5	37	PAS S
Band1 2	5	23035	12	#Max	QPSK	21.3 3	-10	9.18	37	11.3 3	37	PAS S
Band1 2	5	23035	25	#0	QPSK	21.3 9	-10	9.24	37	11.3 9	37	PAS S
Band1 2	5	23035	1	#0	16QAM	21.3 2	-10	9.17	37	11.3 2	37	PAS S
Band1 2	5	23035	1	#Mid	16QAM	21.3 9	-10	9.24	37	11.3 9	37	PAS S
Band1 2	5	23035	1	#Max	16QAM	21.3 4	-10	9.19	37	11.3 4	37	PAS S
Band1 2	5	23035	12	#0	16QAM	20.5 8	-10	8.43	37	10.5 8	37	PAS S
Band1 2	5	23035	12	#Mid	16QAM	20.2 4	-10	8.09	37	10.2 4	37	PAS S
Band1 2	5	23035	12	#Max	16QAM	20.2 0	-10	8.05	37	10.2 0	37	PAS S
Band1 2	5	23035	25	#0	16QAM	20.2 9	-10	8.14	37	10.2 9	37	PAS S
Band1 2	5	23095	1	#0	QPSK	22.2 1	-10	10.0 6	37	12.2 1	37	PAS S
Band1 2	5	23095	1	#Mid	QPSK	22.2 3	-10	10.0 8	37	12.2 3	37	PAS S
Band1 2	5	23095	1	#Max	QPSK	22.2 0	-10	10.0 5	37	12.2 0	37	PAS S
Band1 2	5	23095	12	#0	QPSK	21.1 7	-10	9.02	37	11.1 7	37	PAS S
Band1 2	5	23095	12	#Mid	QPSK	21.2 3	-10	9.08	37	11.2 3	37	PAS S
Band1 2	5	23095	12	#Max	QPSK	21.1 2	-10	8.97	37	11.1 2	37	PAS S
Band1 2	5	23095	25	#0	QPSK	21.2 6	-10	9.11	37	11.2 6	37	PAS S
Band1 2	5	23095	1	#0	16QAM	20.9 3	-10	8.78	37	10.9 3	37	PAS S

Band1 2	5	23095	1	#Mid	16QAM	20.9 3	-10	8.78	37	10.9 3	37	PAS S
Band1 2	5	23095	1	#Max	16QAM	21.0 1	-10	8.86	37	11.0 1	37	PAS S
Band1 2	5	23095	12	#0	16QAM	20.5 1	-10	8.36	37	10.5 1	37	PAS S
Band1 2	5	23095	12	#Mid	16QAM	20.1 4	-10	7.99	37	10.1 4	37	PAS S
Band1 2	5	23095	12	#Max	16QAM	20.0 7	-10	7.92	37	10.0 7	37	PAS S
Band1 2	5	23095	25	#0	16QAM	20.2 9	-10	8.14	37	10.2 9	37	PAS S
Band1 2	5	23155	1	#0	QPSK	22.2 7	-10	10.1 2	37	12.2 7	37	PAS S
Band1 2	5	23155	1	#Mid	QPSK	22.1 4	-10	9.99	37	12.1 4	37	PAS S
Band1 2	5	23155	1	#Max	QPSK	22.2 1	-10	10.0 6	37	12.2 1	37	PAS S
Band1 2	5	23155	12	#0	QPSK	21.3 7	-10	9.22	37	11.3 7	37	PAS S
Band1 2	5	23155	12	#Mid	QPSK	21.3 1	-10	9.16	37	11.3 1	37	PAS S
Band1 2	5	23155	12	#Max	QPSK	21.2 6	-10	9.11	37	11.2 6	37	PAS S
Band1 2	5	23155	25	#0	QPSK	21.3 1	-10	9.16	37	11.3 1	37	PAS S
Band1 2	5	23155	1	#0	16QAM	21.2 1	-10	9.06	37	11.2 1	37	PAS S
Band1 2	5	23155	1	#Mid	16QAM	21.1 5	-10	9.00	37	11.1 5	37	PAS S
Band1 2	5	23155	1	#Max	16QAM	21.3 1	-10	9.16	37	11.3 1	37	PAS S
Band1 2	5	23155	12	#0	16QAM	20.2 4	-10	8.09	37	10.2 4	37	PAS S
Band1 2	5	23155	12	#Mid	16QAM	20.2 0	-10	8.05	37	10.2 0	37	PAS S
Band1 2	5	23155	12	#Max	16QAM	20.1 6	-10	8.01	37	10.1 6	37	PAS S
Band1 2	5	23155	25	#0	16QAM	20.1 9	-10	8.04	37	10.1 9	37	PAS S
Band1 2	10	23060	1	#0	QPSK	22.3 5	-10	10.2 0	37	12.3 5	37	PAS S
Band1 2	10	23060	1	#Mid	QPSK	22.3 0	-10	10.1 5	37	12.3 0	37	PAS S

Band1 2	10	23060	1	#Max	QPSK	22.2 7	-10	10.1 2	37	12.2 7	37	PAS S
Band1 2	10	23060	25	#0	QPSK	21.4 2	-10	9.27	37	11.4 2	37	PAS S
Band1 2	10	23060	25	#Mid	QPSK	21.3 6	-10	9.21	37	11.3 6	37	PAS S
Band1 2	10	23060	25	#Max	QPSK	21.2 4	-10	9.09	37	11.2 4	37	PAS S
Band1 2	10	23060	50	#0	QPSK	21.3 3	-10	9.18	37	11.3 3	37	PAS S
Band1 2	10	23060	1	#0	16QAM	22.0 5	-10	9.90	37	12.0 5	37	PAS S
Band1 2	10	23060	1	#Mid	16QAM	21.9 9	-10	9.84	37	11.9 9	37	PAS S
Band1 2	10	23060	1	#Max	16QAM	22.1 3	-10	9.98	37	12.1 3	37	PAS S
Band1 2	10	23060	25	#0	16QAM	20.3 1	-10	8.16	37	10.3 1	37	PAS S
Band1 2	10	23060	25	#Mid	16QAM	20.2 3	-10	8.08	37	10.2 3	37	PAS S
Band1 2	10	23060	25	#Max	16QAM	20.6 8	-10	8.53	37	10.6 8	37	PAS S
Band1 2	10	23060	50	#0	16QAM	20.2 5	-10	8.10	37	10.2 5	37	PAS S
Band1 2	10	23095	1	#0	QPSK	22.4 4	-10	10.2 9	37	12.4 4	37	PAS S
Band1 2	10	23095	1	#Mid	QPSK	22.5 1	-10	10.3 6	37	12.5 1	37	PAS S
Band1 2	10	23095	1	#Max	QPSK	22.5 3	-10	10.3 8	37	12.5 3	37	PAS S
Band1 2	10	23095	25	#0	QPSK	21.2 6	-10	9.11	37	11.2 6	37	PAS S
Band1 2	10	23095	25	#Mid	QPSK	21.2 3	-10	9.08	37	11.2 3	37	PAS S
Band1 2	10	23095	25	#Max	QPSK	21.2 4	-10	9.09	37	11.2 4	37	PAS S
Band1 2	10	23095	50	#0	QPSK	21.2 6	-10	9.11	37	11.2 6	37	PAS S
Band1 2	10	23095	1	#0	16QAM	22.0 2	-10	9.87	37	12.0 2	37	PAS S
Band1 2	10	23095	1	#Mid	16QAM	21.9 7	-10	9.82	37	11.9 7	37	PAS S
Band1 2	10	23095	1	#Max	16QAM	22.0 7	-10	9.92	37	12.0 7	37	PAS S

Band1 2	10	23095	25	#0	16QAM	20.7 4	-10	8.59	37	10.7 4	37	PAS S
Band1 2	10	23095	25	#Mid	16QAM	20.1 9	-10	8.04	37	10.1 9	37	PAS S
Band1 2	10	23095	25	#Max	16QAM	20.2 9	-10	8.14	37	10.2 9	37	PAS S
Band1 2	10	23095	50	#0	16QAM	20.3 0	-10	8.15	37	10.3 0	37	PAS S
Band1 2	10	23130	1	#0	QPSK	22.3 2	-10	10.1 7	37	12.3 2	37	PAS S
Band1 2	10	23130	1	#Mid	QPSK	22.3 2	-10	10.1 7	37	12.3 2	37	PAS S
Band1 2	10	23130	1	#Max	QPSK	22.3 9	-10	10.2 4	37	12.3 9	37	PAS S
Band1 2	10	23130	25	#0	QPSK	21.2 4	-10	9.09	37	11.2 4	37	PAS S
Band1 2	10	23130	25	#Mid	QPSK	21.2 7	-10	9.12	37	11.2 7	37	PAS S
Band1 2	10	23130	25	#Max	QPSK	21.3 6	-10	9.21	37	11.3 6	37	PAS S
Band1 2	10	23130	50	#0	QPSK	21.1 6	-10	9.01	37	11.1 6	37	PAS S
Band1 2	10	23130	1	#0	16QAM	21.1 5	-10	9.00	37	11.1 5	37	PAS S
Band1 2	10	23130	1	#Mid	16QAM	21.1 3	-10	8.98	37	11.1 3	37	PAS S
Band1 2	10	23130	1	#Max	16QAM	21.2 1	-10	9.06	37	11.2 1	37	PAS S
Band1 2	10	23130	25	#0	16QAM	20.2 2	-10	8.07	37	10.2 2	37	PAS S
Band1 2	10	23130	25	#Mid	16QAM	20.2 2	-10	8.07	37	10.2 2	37	PAS S
Band1 2	10	23130	25	#Max	16QAM	20.3 1	-10	8.16	37	10.3 1	37	PAS S
Band1 2	10	23130	50	#0	16QAM	20.2 1	-10	8.06	37	10.2 1	37	PAS S

Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band 12	1.4	23017	6	#0	QPSK	LV	NT	1.34	0.002	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	NT	0.37	0.001	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	HV	NT	-1.23	-0.002	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	LV	NT	-2.16	-0.003	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	NT	-3.33	-0.005	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	HV	NT	-4.72	-0.007	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	QPSK	LV	NT	-4.52	-0.006	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	QPSK	NV	NT	-4.96	-0.007	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	QPSK	HV	NT	-3.79	-0.005	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	16QAM	LV	NT	-3.03	-0.004	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	16QAM	NV	NT	-2.60	-0.004	-2.5	2.5	PASS
Band 12	1.4	23095	6	#0	16QAM	HV	NT	-0.53	-0.001	-2.5	2.5	PASS
Band 12	1.4	23173	6	#0	QPSK	LV	NT	-1.99	-0.003	-2.5	2.5	PASS
Band 12	1.4	23173	6	#0	QPSK	NV	NT	-0.87	-0.001	-2.5	2.5	PASS
Band 12	1.4	23173	6	#0	QPSK	HV	NT	0.00	0.000	-2.5	2.5	PASS
Band 12	1.4	23173	6	#0	16QAM	LV	NT	0.11	0.000	-2.5	2.5	PASS
Band 12	1.4	23173	6	#0	16QAM	NV	NT	0.33	0.000	-2.5	2.5	PASS
Band 12	1.4	23173	6	#0	16QAM	HV	NT	1.50	0.002	-2.5	2.5	PASS

Band 12	3	23025	15	#0	QPSK	LV	NT	-6.78	-0.010	-2.5	2.5	PASS
Band 12	3	23025	15	#0	QPSK	NV	NT	-7.35	-0.010	-2.5	2.5	PASS
Band 12	3	23025	15	#0	QPSK	HV	NT	-9.20	-0.013	-2.5	2.5	PASS
Band 12	3	23025	15	#0	16QAM	LV	NT	-10.70	-0.015	-2.5	2.5	PASS
Band 12	3	23025	15	#0	16QAM	NV	NT	-11.79	-0.017	-2.5	2.5	PASS
Band 12	3	23025	15	#0	16QAM	HV	NT	-12.95	-0.018	-2.5	2.5	PASS
Band 12	3	23095	15	#0	QPSK	LV	NT	-11.94	-0.017	-2.5	2.5	PASS
Band 12	3	23095	15	#0	QPSK	NV	NT	-10.24	-0.014	-2.5	2.5	PASS
Band 12	3	23095	15	#0	QPSK	HV	NT	-10.93	-0.015	-2.5	2.5	PASS
Band 12	3	23095	15	#0	16QAM	LV	NT	-9.11	-0.013	-2.5	2.5	PASS
Band 12	3	23095	15	#0	16QAM	NV	NT	-7.98	-0.011	-2.5	2.5	PASS
Band 12	3	23095	15	#0	16QAM	HV	NT	-6.82	-0.010	-2.5	2.5	PASS
Band 12	3	23165	15	#0	QPSK	LV	NT	-4.62	-0.006	-2.5	2.5	PASS
Band 12	3	23165	15	#0	QPSK	NV	NT	-3.59	-0.005	-2.5	2.5	PASS
Band 12	3	23165	15	#0	QPSK	HV	NT	-3.22	-0.005	-2.5	2.5	PASS
Band 12	3	23165	15	#0	16QAM	LV	NT	-2.92	-0.004	-2.5	2.5	PASS
Band 12	3	23165	15	#0	16QAM	NV	NT	-2.46	-0.003	-2.5	2.5	PASS
Band 12	3	23165	15	#0	16QAM	HV	NT	-5.79	-0.008	-2.5	2.5	PASS
Band 12	5	23035	25	#0	QPSK	LV	NT	-3.63	-0.005	-2.5	2.5	PASS
Band 12	5	23035	25	#0	QPSK	NV	NT	-4.33	-0.006	-2.5	2.5	PASS
Band 12	5	23035	25	#0	QPSK	HV	NT	-5.72	-0.008	-2.5	2.5	PASS
Band 12	5	23035	25	#0	16QAM	LV	NT	-6.84	-0.010	-2.5	2.5	PASS

Band 12	5	23035	25	#0	16QAM	NV	NT	-7.0 1	-0.0 10	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	HV	NT	-7.3 7	-0.01 1	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	LV	NT	-0.6 9	-0.0 01	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	NT	0.16	0.00 0	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	HV	NT	0.54	0.00 1	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	LV	NT	1.54	0.00 2	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	NT	2.50	0.00 4	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	HV	NT	3.98	0.00 6	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	LV	NT	2.35	0.00 3	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	NT	-6.0 2	-0.0 08	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	HV	NT	-4.3 1	-0.0 06	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	LV	NT	-4.8 2	-0.0 07	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	NT	-5.5 6	-0.0 08	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	HV	NT	-7.2 0	-0.0 10	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	LV	NT	-5.3 4	-0.0 08	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	NT	-4.6 6	-0.0 07	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	HV	NT	-5.9 2	-0.0 08	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	LV	NT	-7.3 5	-0.0 10	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	NV	NT	-8.2 5	-0.0 12	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	HV	NT	-8.2 4	-0.0 12	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	LV	NT	-4.3 9	-0.0 06	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	NT	-5.0 1	-0.0 07	-2.5	2.5	PAS S

Band 12	10	23095	50	#0	QPSK	HV	NT	-5.05	-0.007	-2.5	2.5	PASS
Band 12	10	23095	50	#0	16QAM	LV	NT	-4.92	-0.007	-2.5	2.5	PASS
Band 12	10	23095	50	#0	16QAM	NV	NT	-4.06	-0.006	-2.5	2.5	PASS
Band 12	10	23095	50	#0	16QAM	HV	NT	-3.82	-0.005	-2.5	2.5	PASS
Band 12	10	23130	50	#0	QPSK	LV	NT	-1.10	-0.002	-2.5	2.5	PASS
Band 12	10	23130	50	#0	QPSK	NV	NT	-1.43	-0.002	-2.5	2.5	PASS
Band 12	10	23130	50	#0	QPSK	HV	NT	-1.30	-0.002	-2.5	2.5	PASS
Band 12	10	23130	50	#0	16QAM	LV	NT	-13.89	-0.020	-2.5	2.5	PASS
Band 12	10	23130	50	#0	16QAM	NV	NT	-4.85	-0.007	-2.5	2.5	PASS
Band 12	10	23130	50	#0	16QAM	HV	NT	-3.13	-0.004	-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
Band 12	1.4	23017	6	#0	QPSK	NV	-30	-5.36	-0.008	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	-20	-6.19	-0.009	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	0	-6.79	-0.010	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	10	-7.58	-0.011	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	QPSK	NV	20	-7.71	-0.011	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	-30	-8.45	-0.012	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	-20	-8.97	-0.013	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	0	-8.63	-0.012	-2.5	2.5	PASS
Band 12	1.4	23017	6	#0	16QAM	NV	10	-8.50	-0.012	-2.5	2.5	PASS

Band 12	1.4	23017	6	#0	16QAM	NV	20	-8.0 3	-0.01 1	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	QPSK	NV	-30	4.09	0.00 6	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	QPSK	NV	-20	4.18	0.00 6	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	QPSK	NV	0	1.63	0.00 2	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	QPSK	NV	10	-0.1 6	0.00 0	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	QPSK	NV	20	-1.9 9	-0.0 03	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	-30	-0.4 4	-0.0 01	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	-20	0.77	0.00 1	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	0	0.56	0.00 1	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	10	0.57	0.00 1	-2.5	2.5	PAS S
Band 12	1.4	23095	6	#0	16QAM	NV	20	1.33	0.00 2	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	-30	-0.1 6	0.00 0	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	-20	3.62	0.00 5	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	0	-0.0 4	0.00 0	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	10	-0.0 4	0.00 0	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	QPSK	NV	20	12.1 7	0.01 7	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	16QAM	NV	-30	2.86	0.00 4	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	16QAM	NV	-20	1.24	0.00 2	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	16QAM	NV	0	1.85	0.00 3	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	16QAM	NV	10	2.78	0.00 4	-2.5	2.5	PAS S
Band 12	1.4	23173	6	#0	16QAM	NV	20	-3.1 5	-0.0 04	-2.5	2.5	PAS S
Band 12	3	23025	15	#0	QPSK	NV	-30	-3.5 5	-0.0 05	-2.5	2.5	PAS S

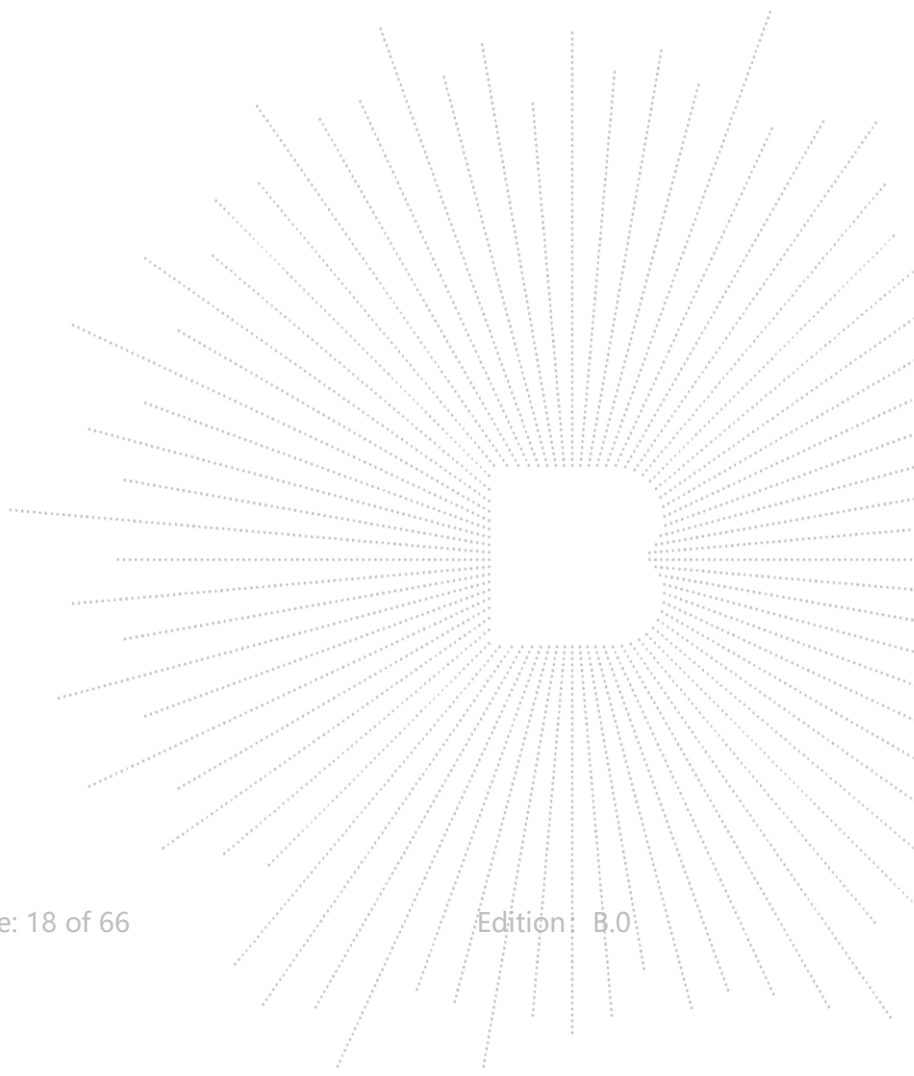
Band 12	3	23025	15	#0	QPSK	NV	-20	-4.65	-0.07	-2.5	2.5	PASS
Band 12	3	23025	15	#0	QPSK	NV	0	-4.91	-0.07	-2.5	2.5	PASS
Band 12	3	23025	15	#0	QPSK	NV	10	-6.28	-0.09	-2.5	2.5	PASS
Band 12	3	23025	15	#0	QPSK	NV	20	-6.49	-0.09	-2.5	2.5	PASS
Band 12	3	23025	15	#0	16QAM	NV	-30	-8.08	-0.12	-2.5	2.5	PASS
Band 12	3	23025	15	#0	16QAM	NV	-20	-8.00	-0.01	-2.5	2.5	PASS
Band 12	3	23025	15	#0	16QAM	NV	0	-8.45	-0.12	-2.5	2.5	PASS
Band 12	3	23025	15	#0	16QAM	NV	10	-9.24	-0.13	-2.5	2.5	PASS
Band 12	3	23025	15	#0	16QAM	NV	20	-9.11	-0.13	-2.5	2.5	PASS
Band 12	3	23095	15	#0	QPSK	NV	-30	-1.56	-0.02	-2.5	2.5	PASS
Band 12	3	23095	15	#0	QPSK	NV	-20	-0.46	-0.01	-2.5	2.5	PASS
Band 12	3	23095	15	#0	QPSK	NV	0	-0.67	-0.01	-2.5	2.5	PASS
Band 12	3	23095	15	#0	QPSK	NV	10	0.17	0.00	-2.5	2.5	PASS
Band 12	3	23095	15	#0	QPSK	NV	20	0.31	0.00	-2.5	2.5	PASS
Band 12	3	23095	15	#0	16QAM	NV	-30	1.50	0.00	-2.5	2.5	PASS
Band 12	3	23095	15	#0	16QAM	NV	-20	1.79	0.00	-2.5	2.5	PASS
Band 12	3	23095	15	#0	16QAM	NV	0	2.78	0.00	-2.5	2.5	PASS
Band 12	3	23095	15	#0	16QAM	NV	10	3.46	0.00	-2.5	2.5	PASS
Band 12	3	23095	15	#0	16QAM	NV	20	3.69	0.00	-2.5	2.5	PASS
Band 12	3	23165	15	#0	QPSK	NV	-30	-6.90	-0.10	-2.5	2.5	PASS
Band 12	3	23165	15	#0	QPSK	NV	-20	-6.38	-0.09	-2.5	2.5	PASS
Band 12	3	23165	15	#0	QPSK	NV	0	-6.35	-0.09	-2.5	2.5	PASS

Band 12	3	23165	15	#0	QPSK	NV	10	-7.2 5	-0.0 10	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	QPSK	NV	20	-6.7 2	-0.0 09	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	-30	-6.9 0	-0.0 10	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	-20	-14. 79	-0.0 21	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	0	-11.7 4	-0.0 16	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	10	-12. 17	-0.0 17	-2.5	2.5	PAS S
Band 12	3	23165	15	#0	16QAM	NV	20	-12. 32	-0.0 17	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	-30	-1.5 6	-0.0 02	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	-20	-2.1 6	-0.0 03	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	0	-3.7 9	-0.0 05	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	10	-5.4 2	-0.0 08	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	QPSK	NV	20	-7.2 5	-0.0 10	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	NV	-30	-8.7 7	-0.0 13	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	NV	-20	-9.11 13	-0.0 13	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	NV	0	-9.6 6	-0.0 14	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	NV	10	-10. 06	-0.0 14	-2.5	2.5	PAS S
Band 12	5	23035	25	#0	16QAM	NV	20	-10. 46	-0.0 15	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	-30	-0.3 0	0.00 0	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	-20	-1.3 6	-0.0 02	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	0	-1.0 9	-0.0 02	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	10	-1.8 6	-0.0 03	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	QPSK	NV	20	-1.8 2	-0.0 03	-2.5	2.5	PAS S

Band 12	5	23095	25	#0	16QAM	NV	-30	-1.5 0	-0.0 02	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	-20	-9.1 7	-0.0 13	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	0	-6.1 2	-0.0 09	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	10	-6.0 4	-0.0 09	-2.5	2.5	PAS S
Band 12	5	23095	25	#0	16QAM	NV	20	-6.7 1	-0.0 09	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	-30	-1.8 9	-0.0 03	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	-20	-3.0 3	-0.0 04	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	0	-5.1 6	-0.0 07	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	10	-6.2 2	-0.0 09	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	QPSK	NV	20	-7.4 7	-0.0 10	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	-30	-8.4 4	-0.0 12	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	-20	-13. 79	-0.0 19	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	0	-13. 02	-0.0 18	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	10	-13. 19	-0.0 18	-2.5	2.5	PAS S
Band 12	5	23155	25	#0	16QAM	NV	20	-13. 98	-0.0 20	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	-30	-7.5 2	-0.01 1	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	-20	-9.1 4	-0.0 13	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	0	-11.5 9	-0.0 16	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	10	-13. 06	-0.0 19	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	QPSK	NV	20	-15. 42	-0.0 22	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	NV	-30	-16. 34	-0.0 23	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	NV	-20	-16. 98	-0.0 24	-2.5	2.5	PAS S

Band 12	10	23060	50	#0	16QAM	NV	0	-17.65	-0.025	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	NV	10	-25.56	-0.036	-2.5	2.5	PAS S
Band 12	10	23060	50	#0	16QAM	NV	20	-21.34	-0.030	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	-30	-4.08	-0.006	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	-20	-5.58	-0.008	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	0	-6.95	-0.010	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	10	-7.14	-0.010	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	QPSK	NV	20	-8.10	-0.011	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	-30	-8.71	-0.012	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	-20	-9.91	-0.014	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	0	-10.43	-0.015	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	10	-10.64	-0.015	-2.5	2.5	PAS S
Band 12	10	23095	50	#0	16QAM	NV	20	-11.30	-0.016	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	-30	3.62	0.005	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	-20	0.57	0.001	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	0	-0.92	-0.001	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	10	-3.09	-0.004	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	QPSK	NV	20	-9.56	-0.013	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	-30	-13.98	-0.020	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	-20	-14.63	-0.021	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	0	-16.94	-0.024	-2.5	2.5	PAS S
Band 12	10	23130	50	#0	16QAM	NV	10	-18.57	-0.026	-2.5	2.5	PAS S

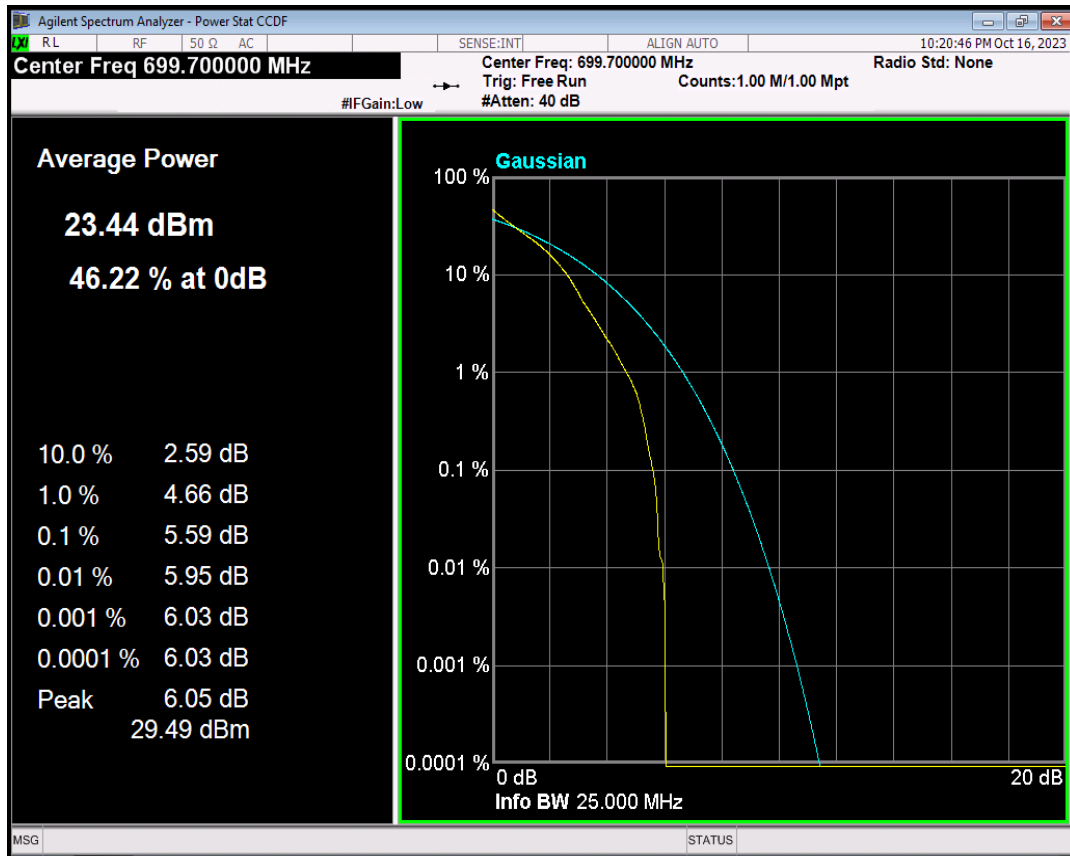
Band 12	10	23130	50	#0	16QAM	NV	20	-19. 93	-0.0 28	-2.5	2.5	PAS S
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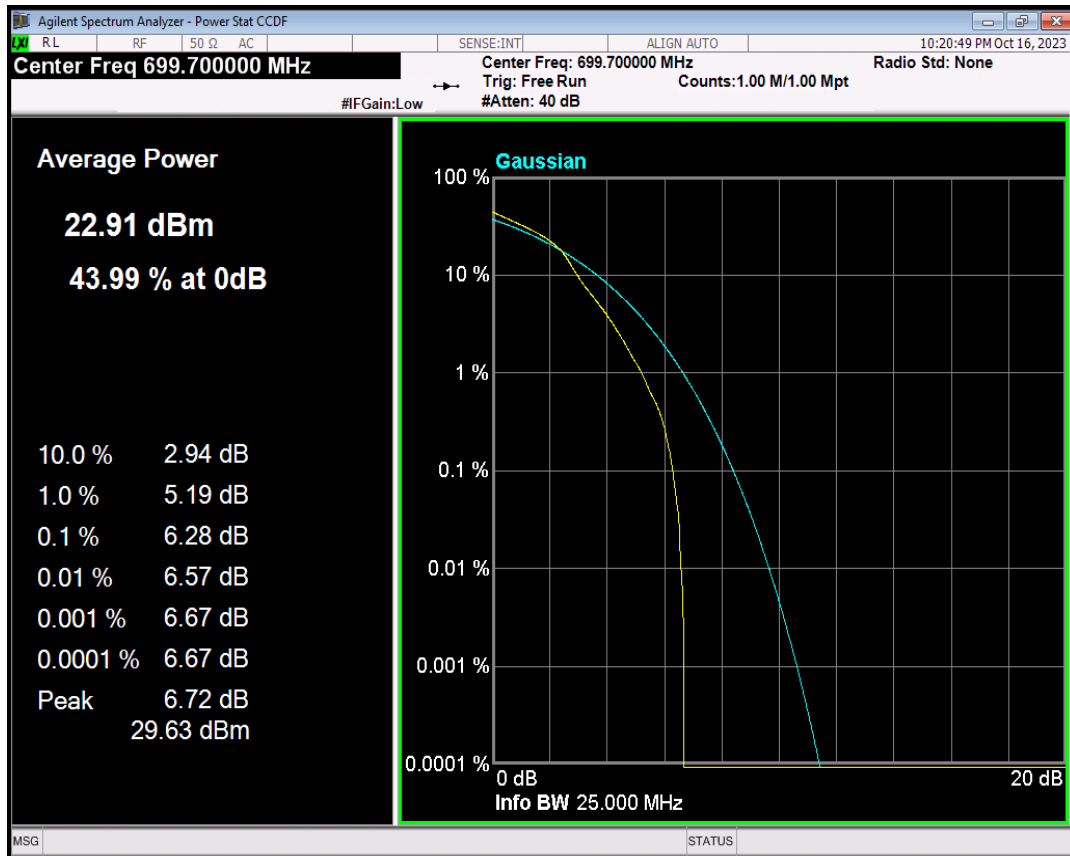
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	5.59	13	PASS
Band12	1.4	23017	1	#0	16QAM	6.28	13	PASS
Band12	1.4	23095	1	#0	QPSK	4.94	13	PASS
Band12	1.4	23095	1	#0	16QAM	6.02	13	PASS
Band12	1.4	23173	1	#0	QPSK	4.34	13	PASS
Band12	1.4	23173	1	#0	16QAM	5.33	13	PASS
Band12	3	23025	1	#0	QPSK	5.55	13	PASS
Band12	3	23025	1	#0	16QAM	6.67	13	PASS
Band12	3	23095	1	#0	QPSK	5.09	13	PASS
Band12	3	23095	1	#0	16QAM	5.79	13	PASS
Band12	3	23165	1	#0	QPSK	5.35	13	PASS
Band12	3	23165	1	#0	16QAM	6.12	13	PASS
Band12	5	23035	1	#0	QPSK	5.79	13	PASS
Band12	5	23035	1	#0	16QAM	6.53	13	PASS
Band12	5	23095	1	#0	QPSK	5.18	13	PASS
Band12	5	23095	1	#0	16QAM	5.91	13	PASS
Band12	5	23155	1	#0	QPSK	5.93	13	PASS
Band12	5	23155	1	#0	16QAM	6.69	13	PASS
Band12	10	23060	1	#0	QPSK	5.52	13	PASS
Band12	10	23060	1	#0	16QAM	6.68	13	PASS
Band12	10	23095	1	#0	QPSK	5.45	13	PASS
Band12	10	23095	1	#0	16QAM	6.48	13	PASS
Band12	10	23130	1	#0	QPSK	4.93	13	PASS
Band12	10	23130	1	#0	16QAM	5.83	13	PASS

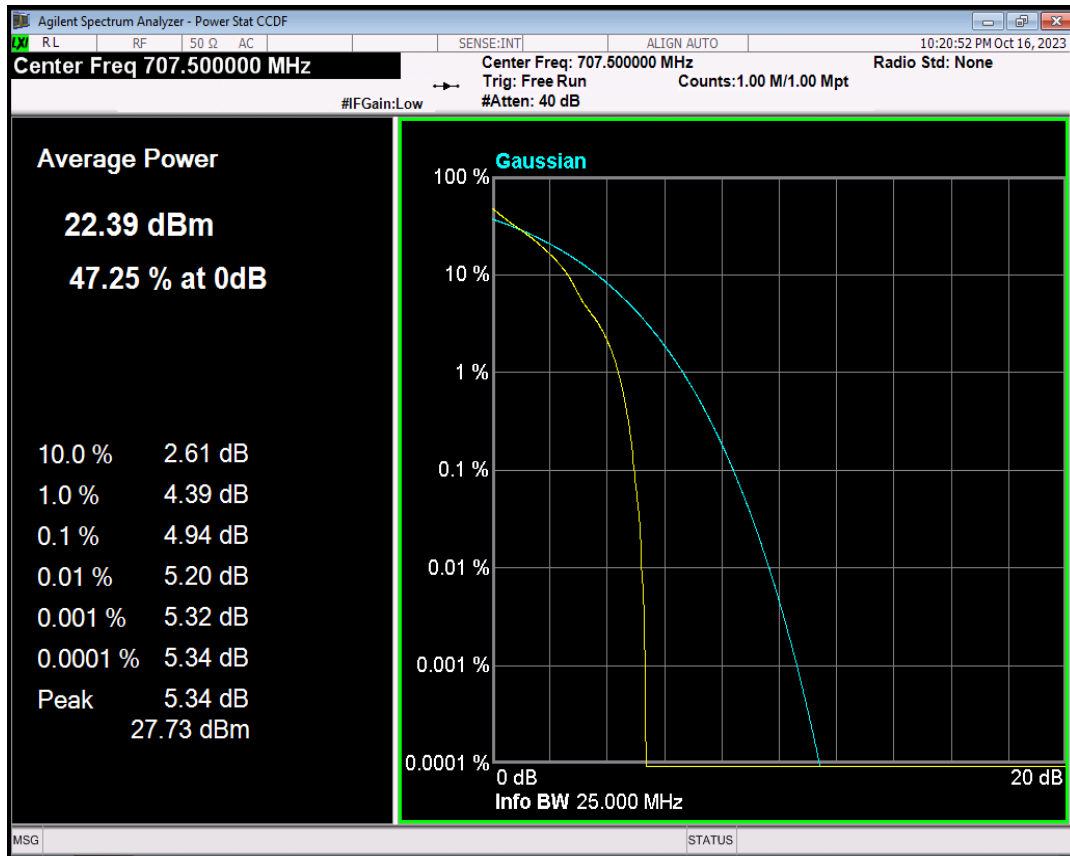
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



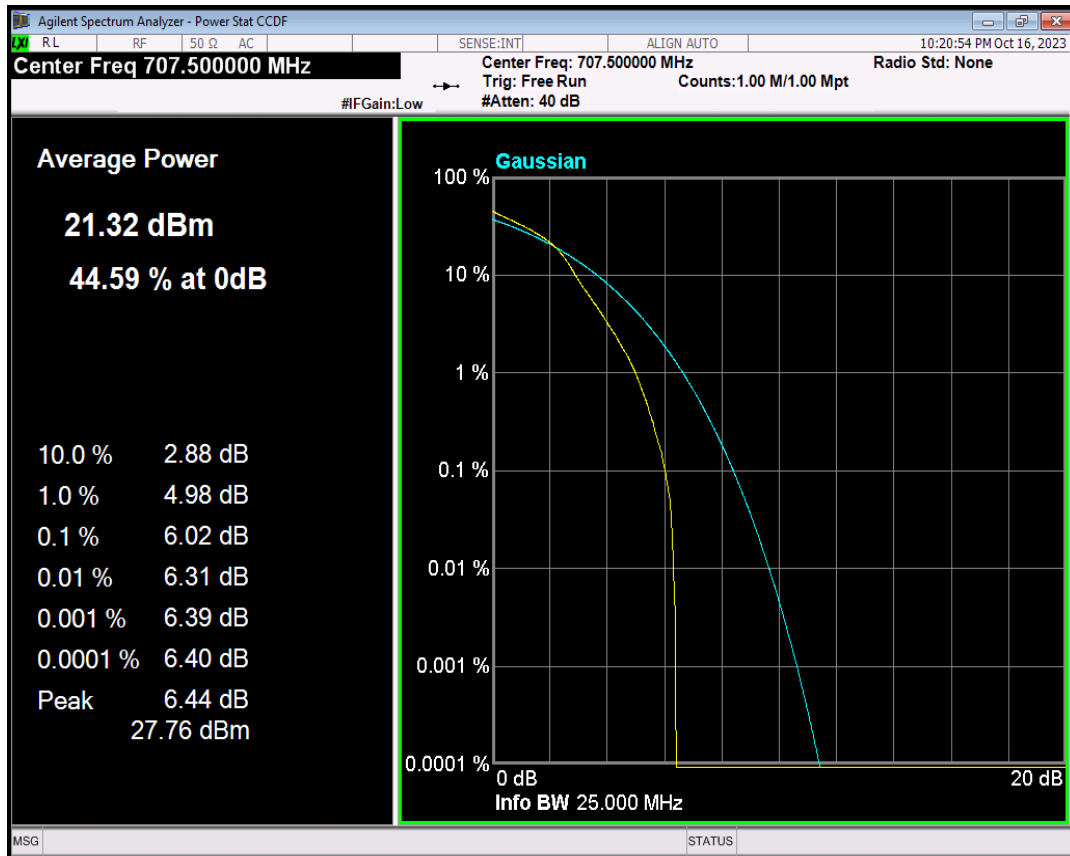
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



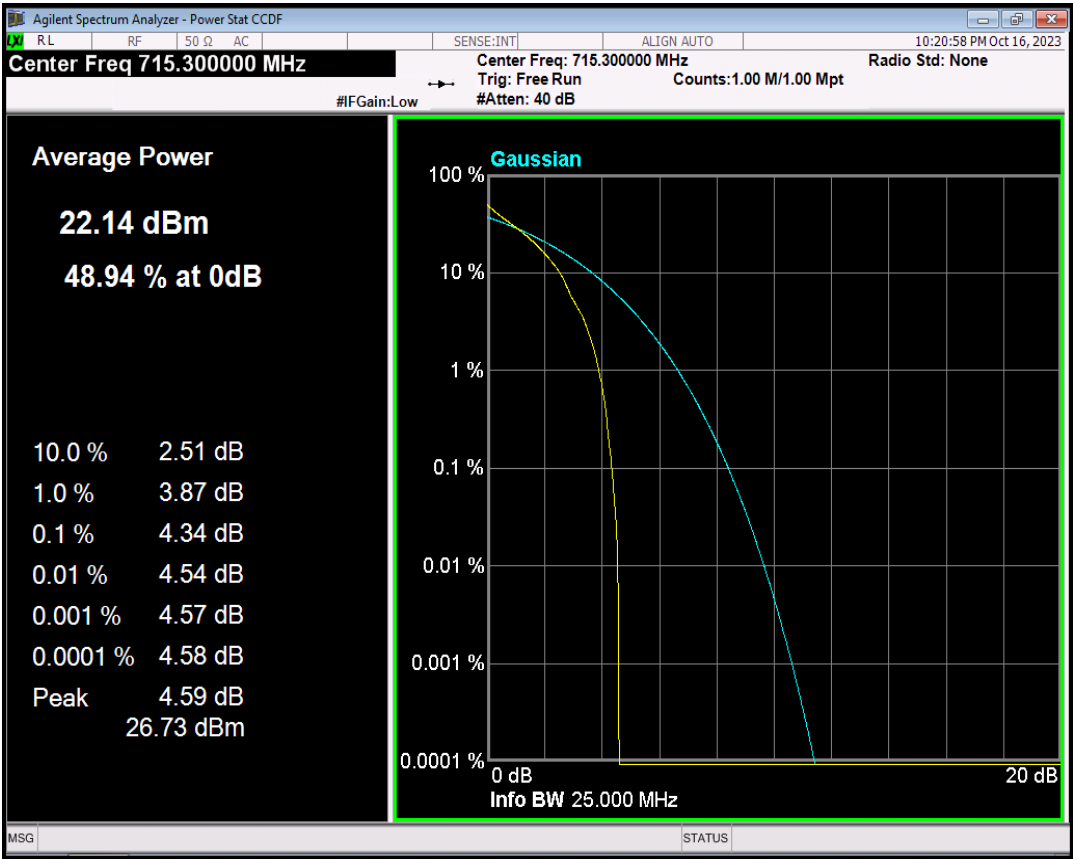
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



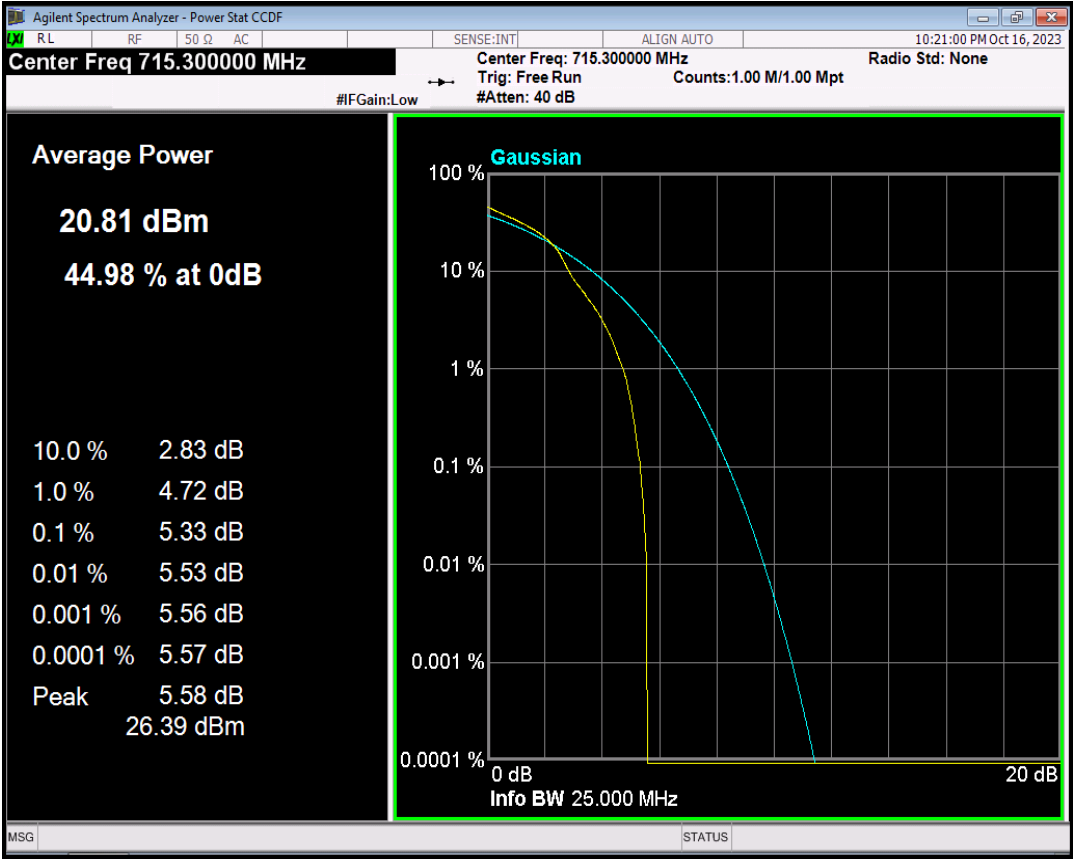
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



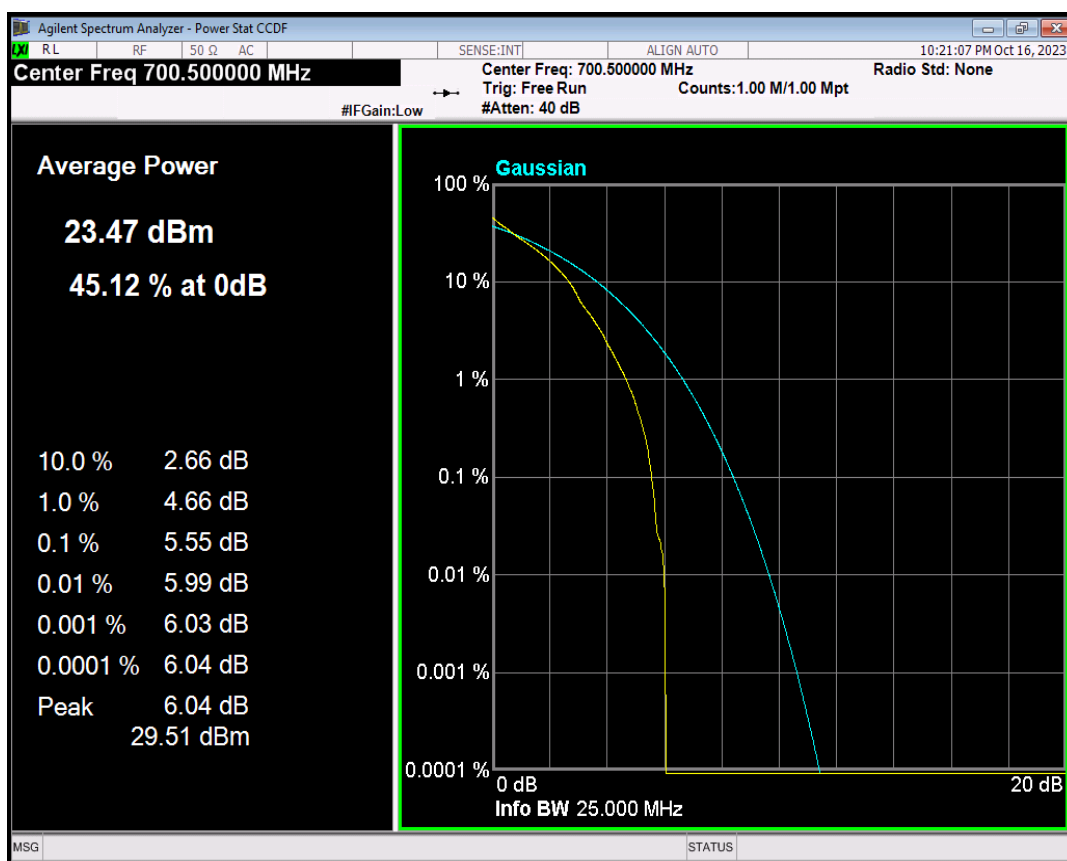
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



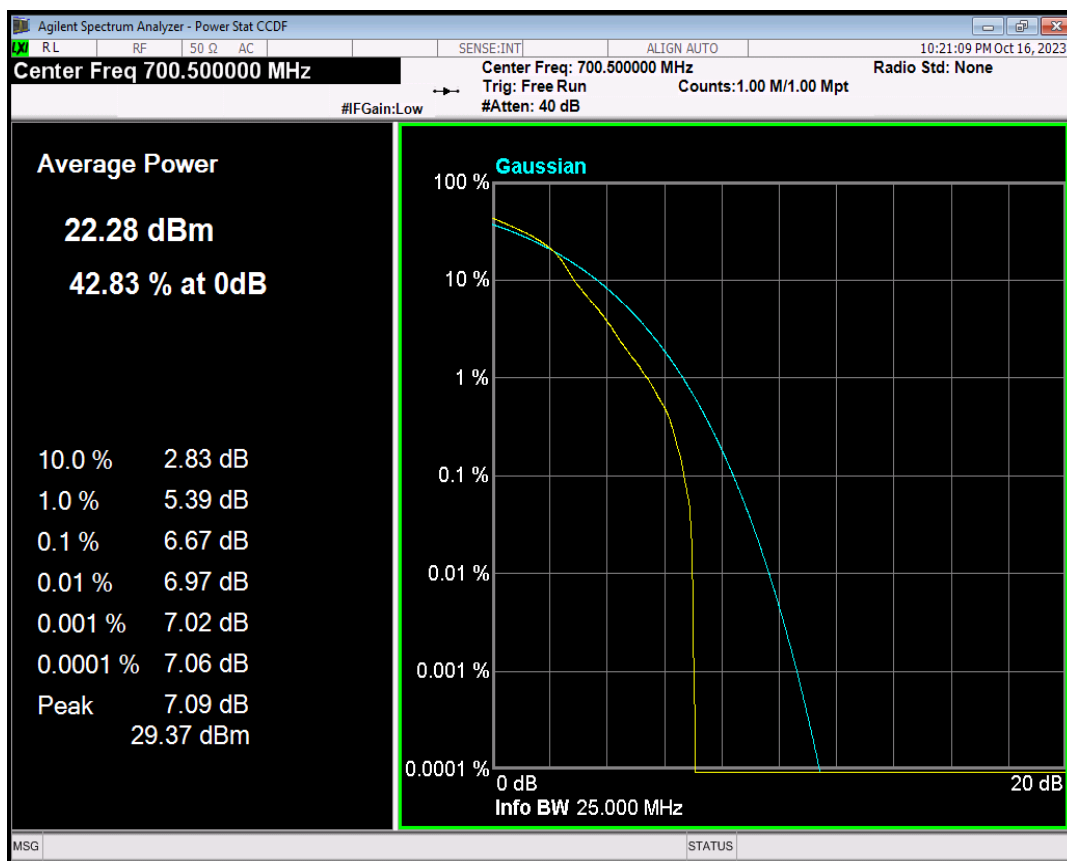
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



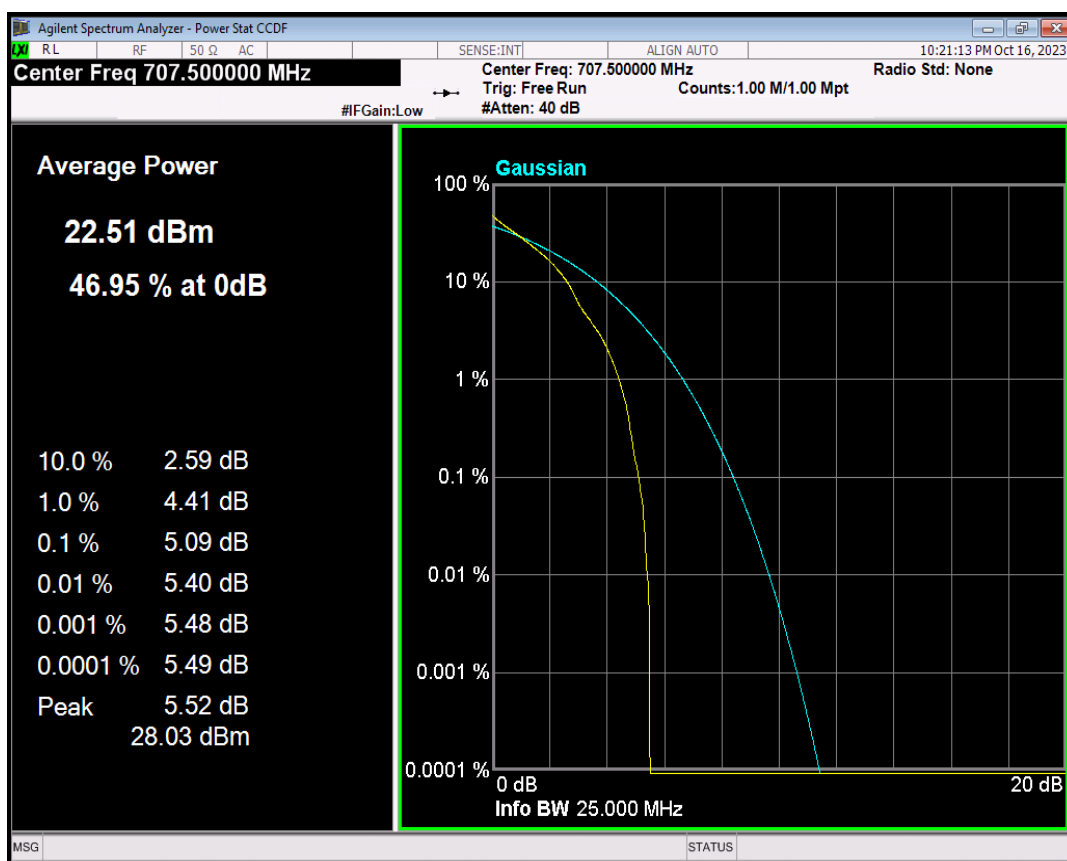
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



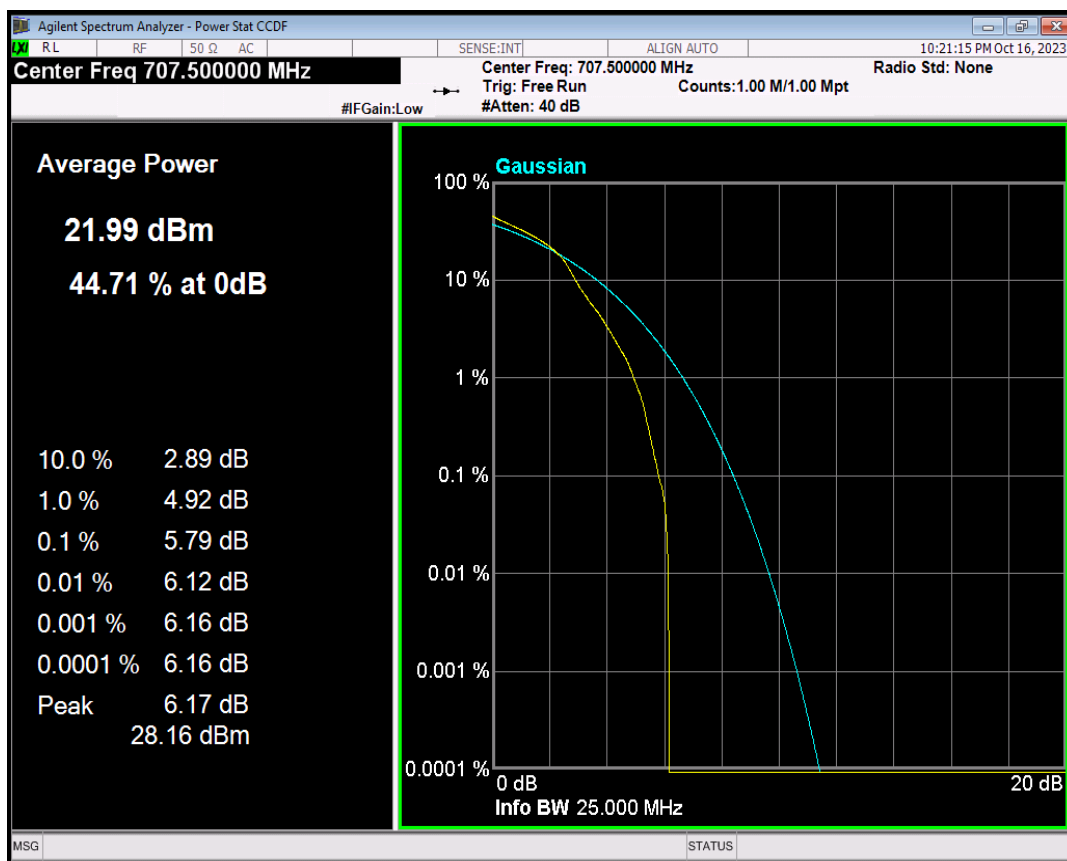
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



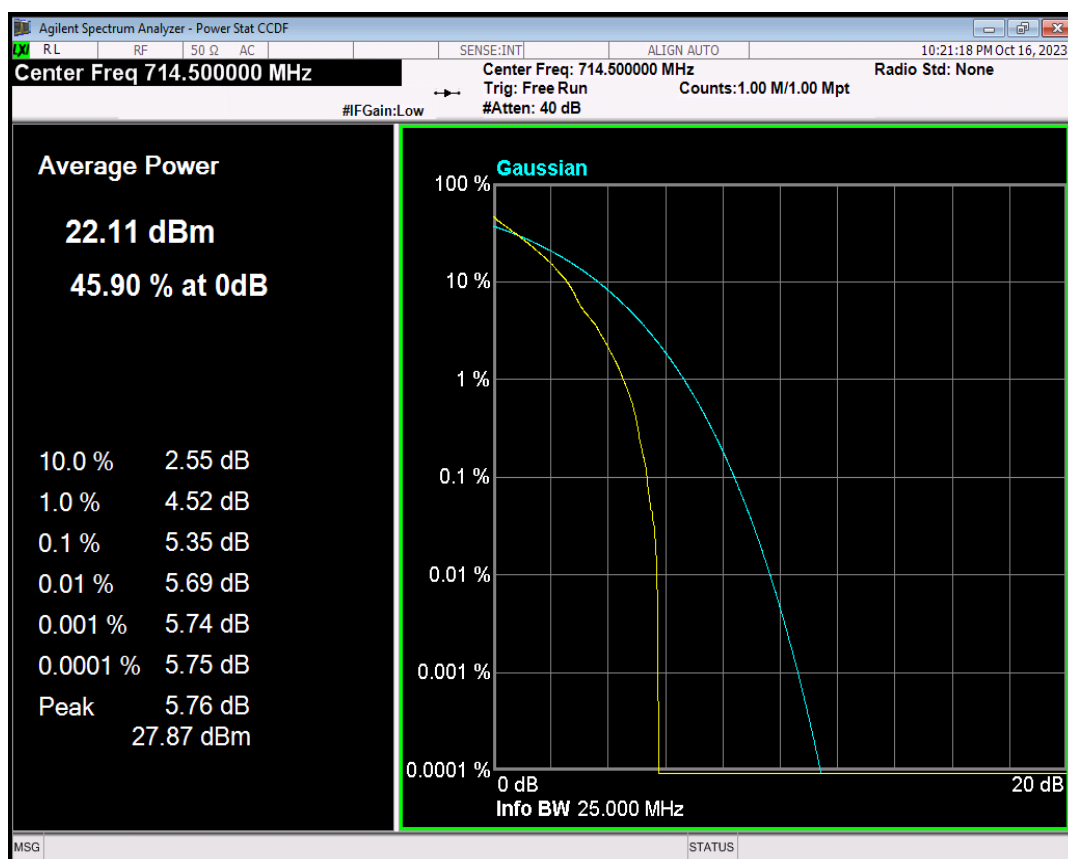
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



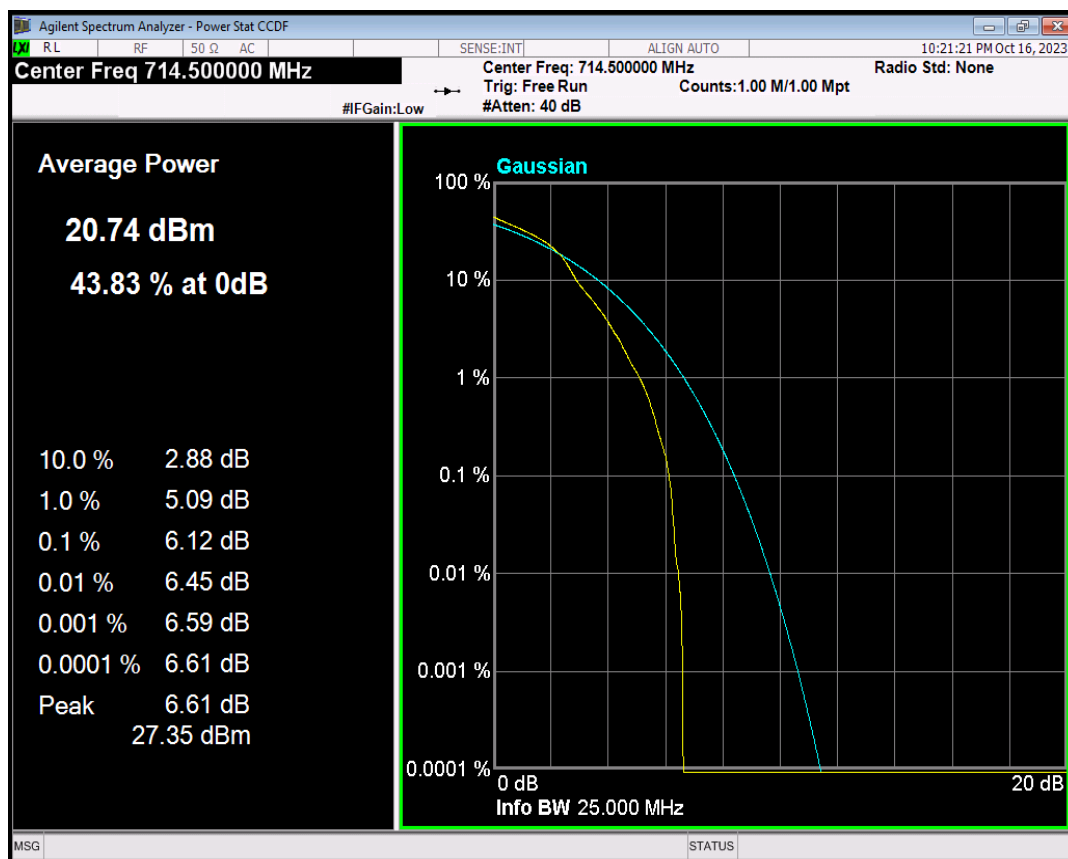
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



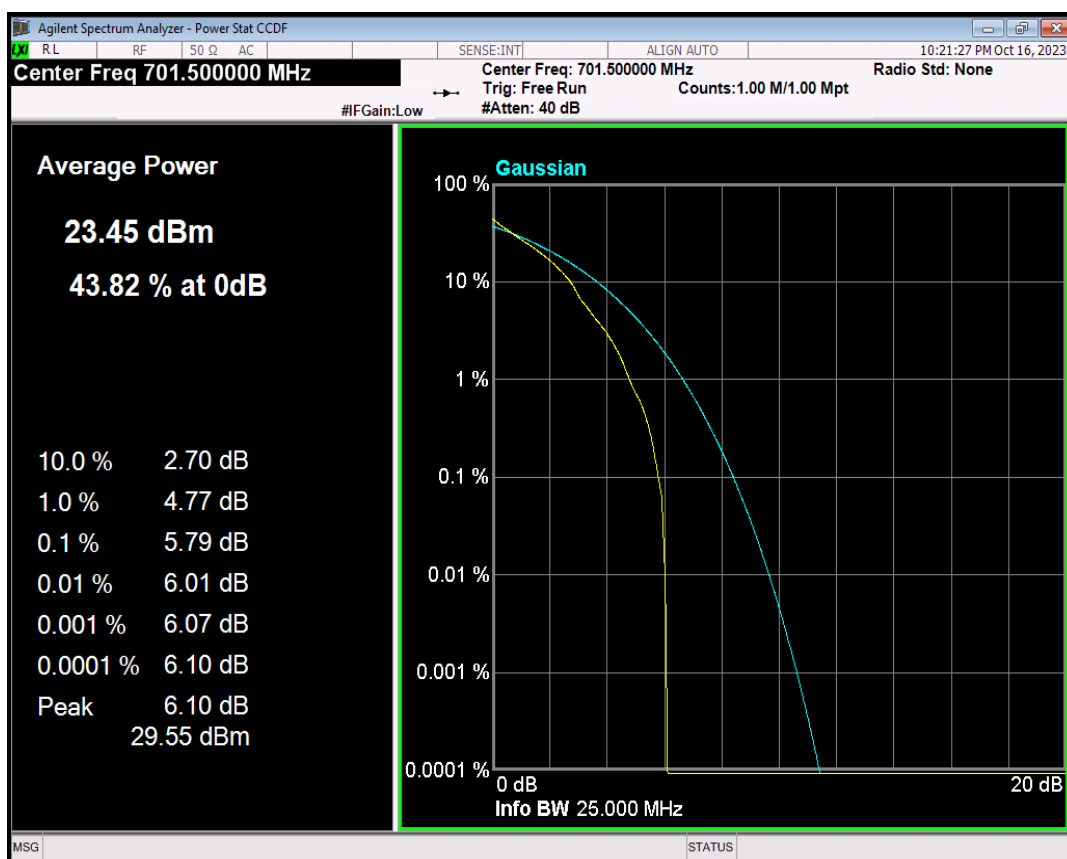
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



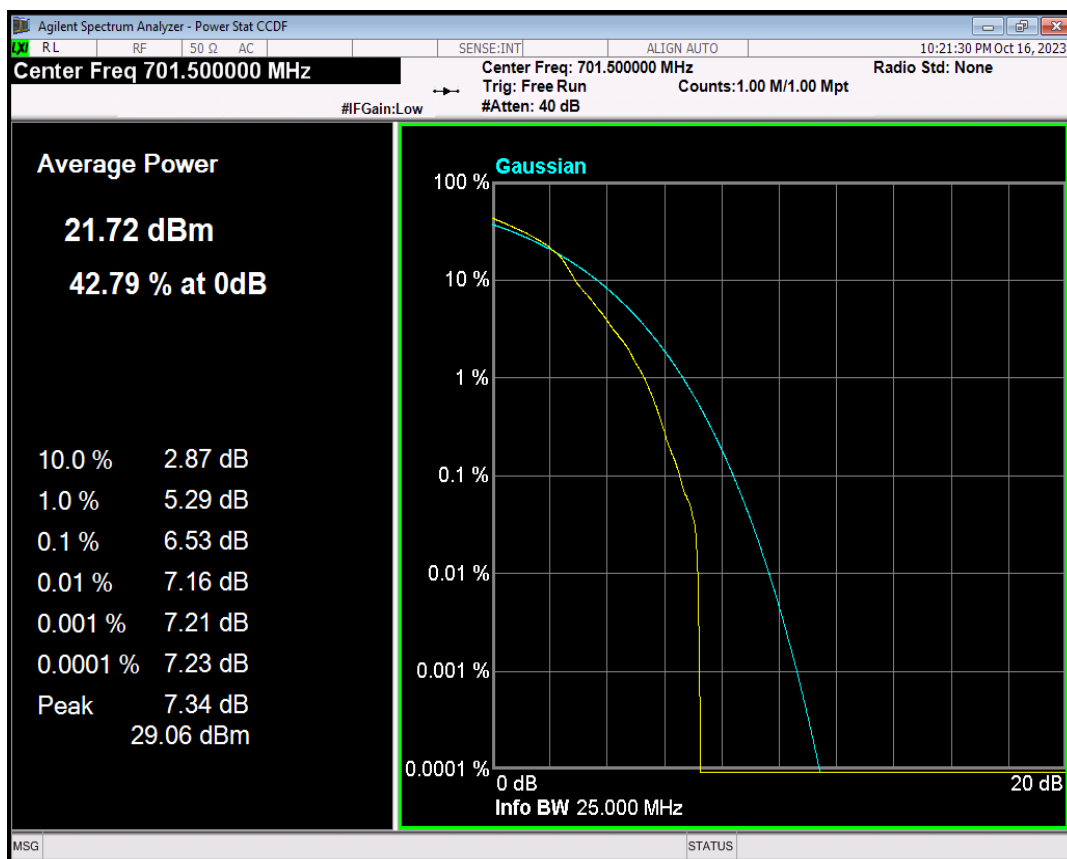
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



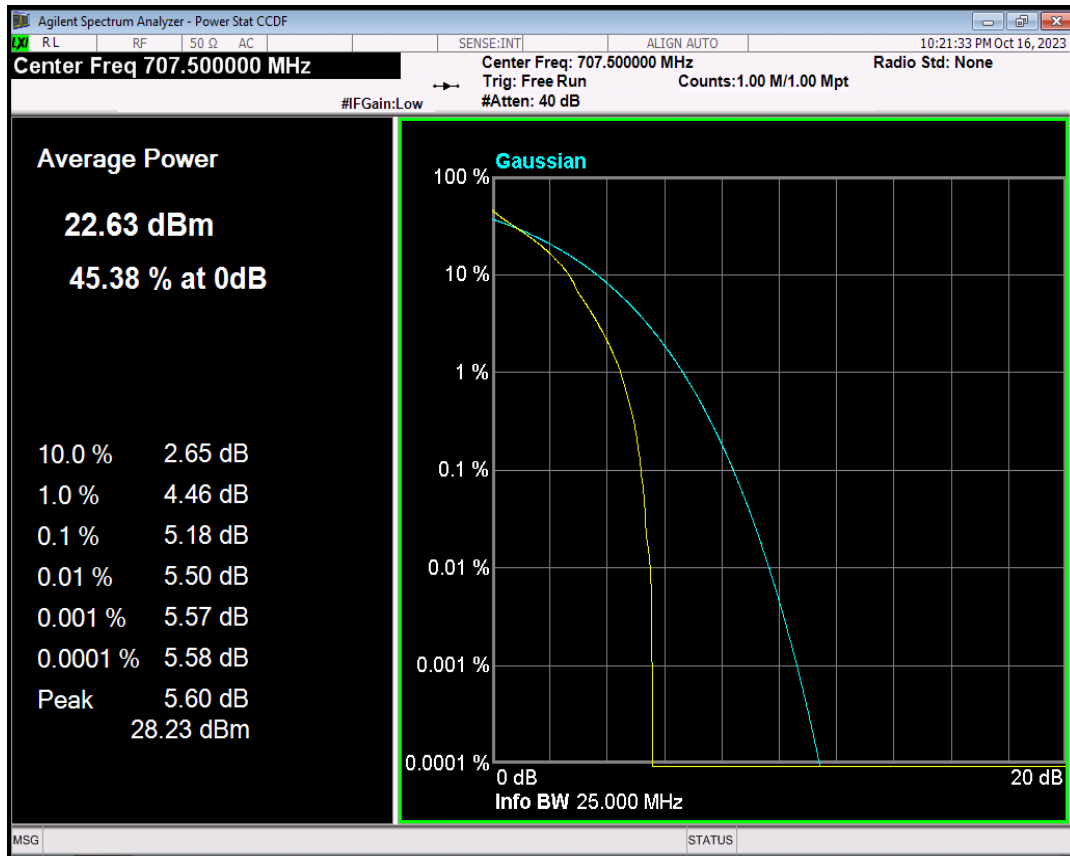
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



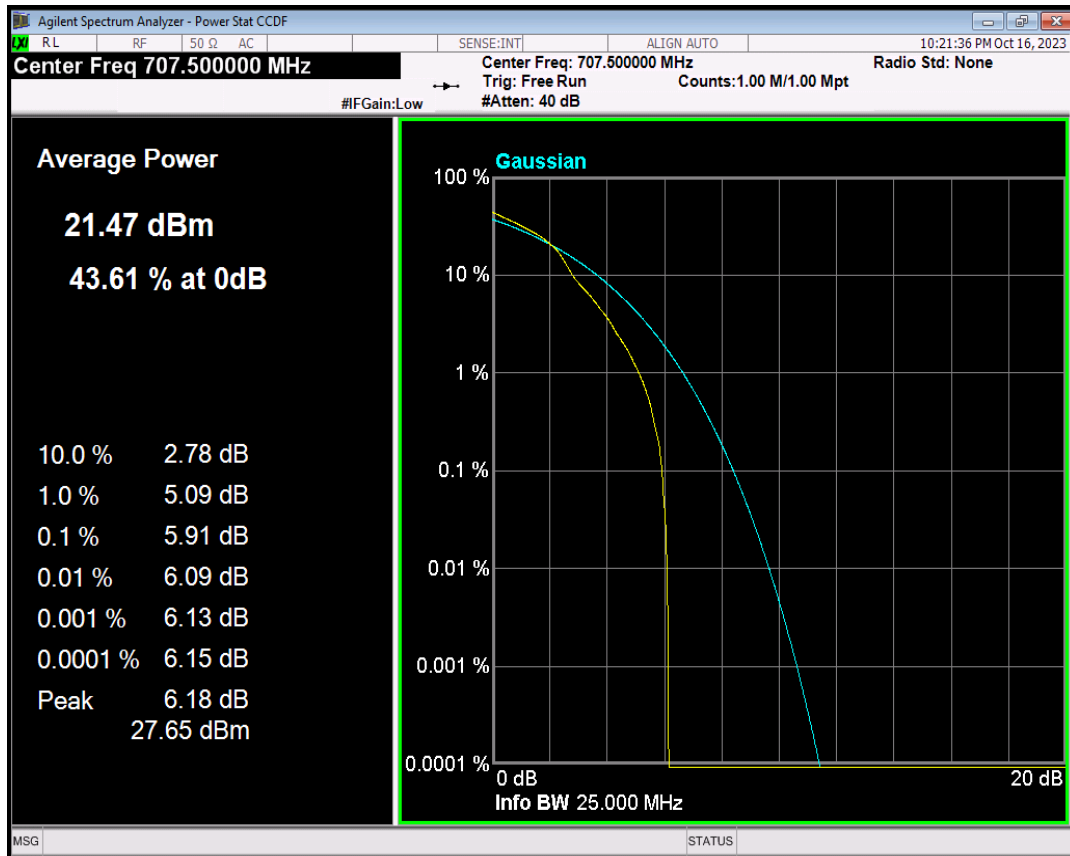
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



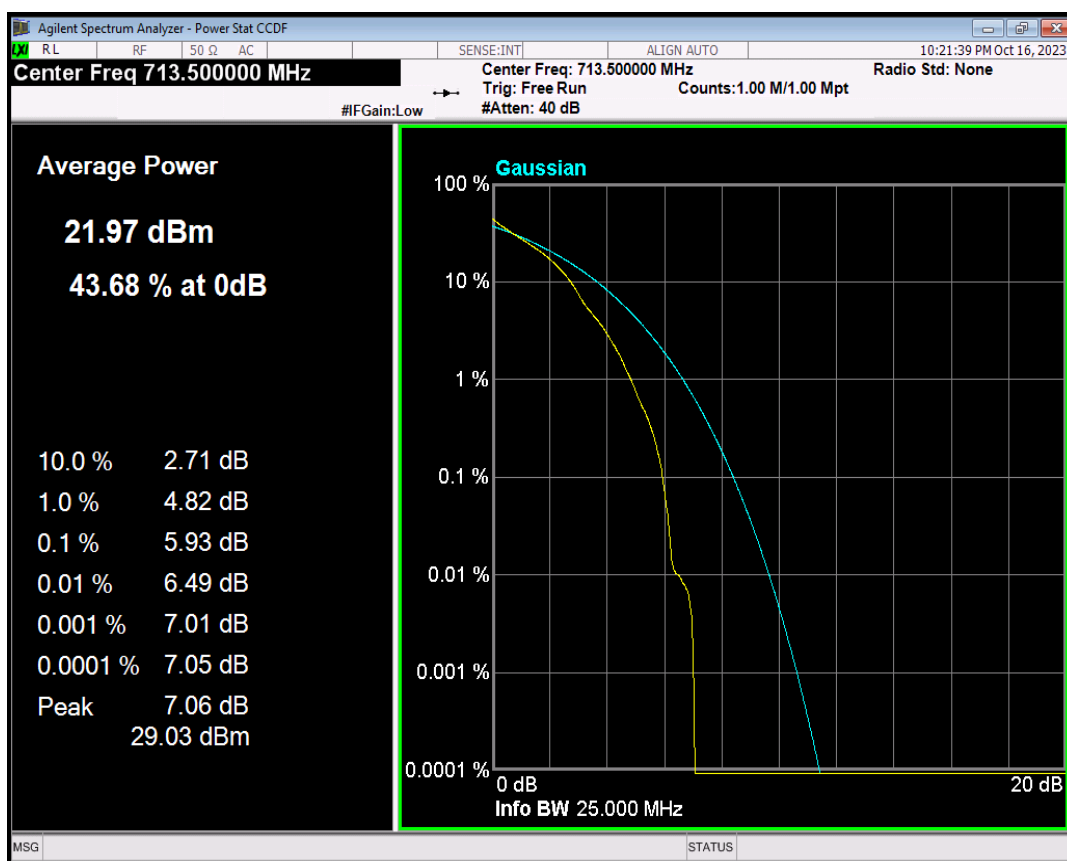
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



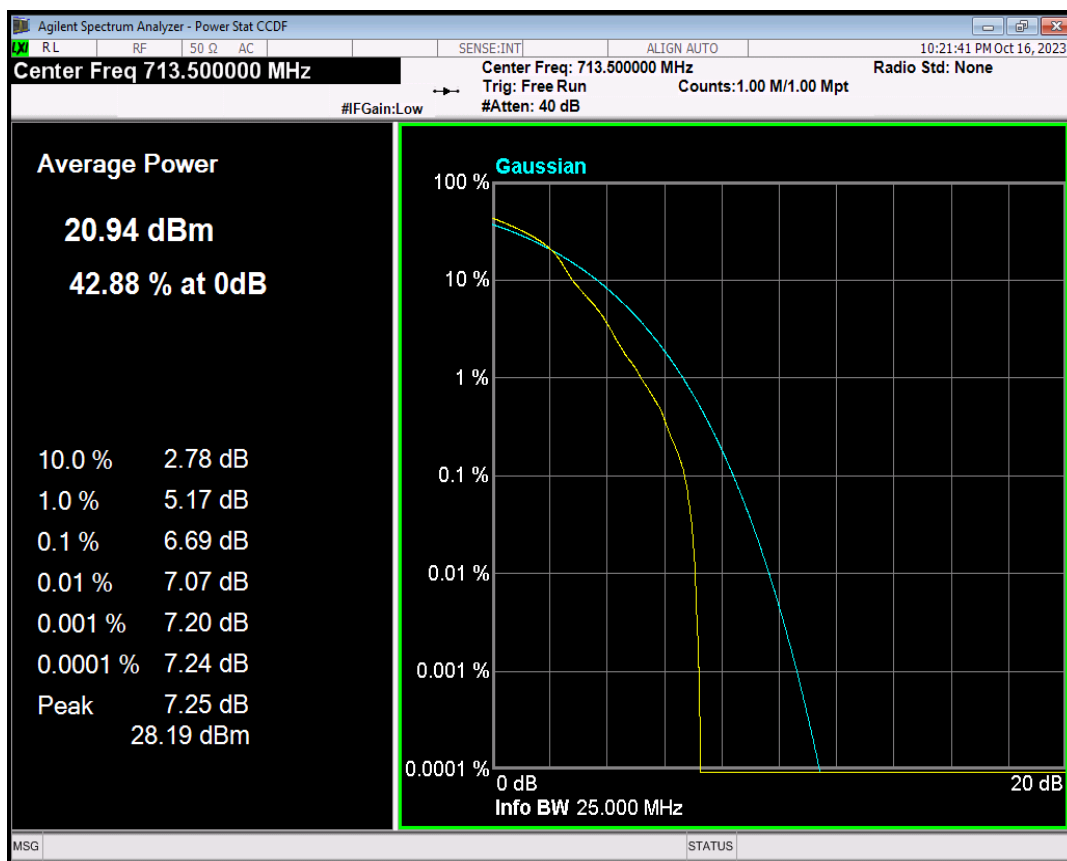
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



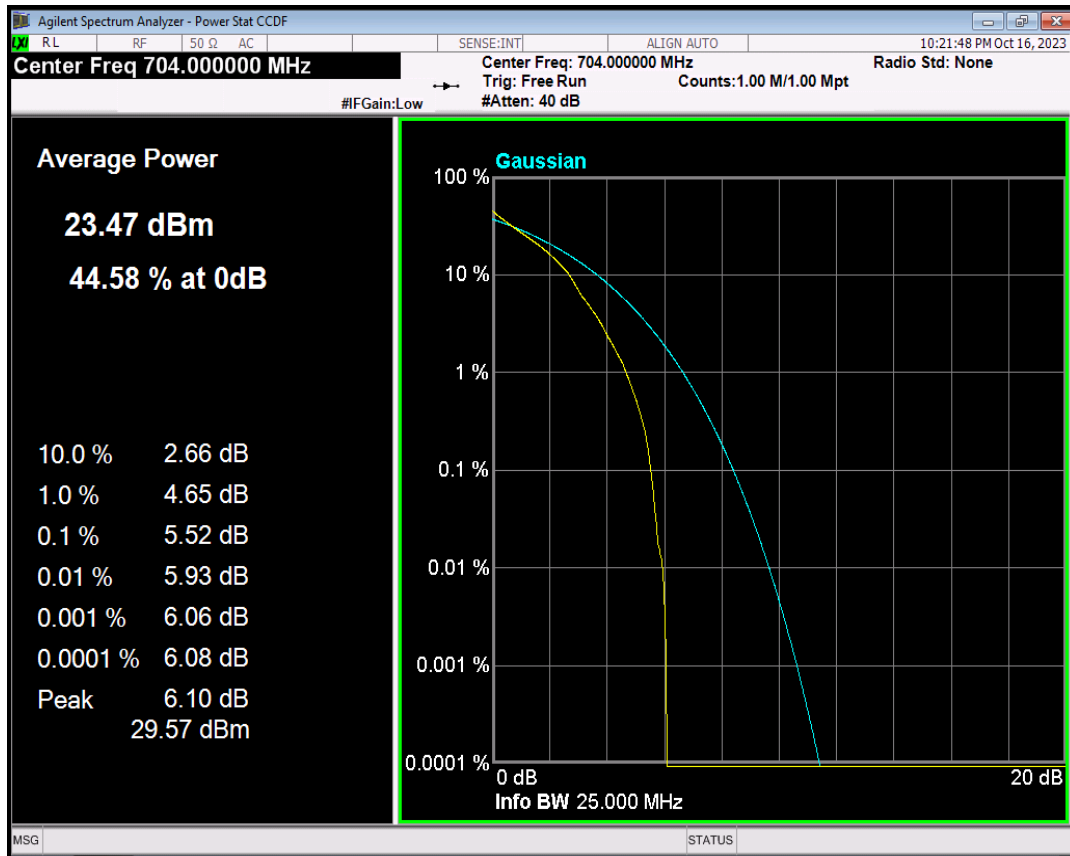
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



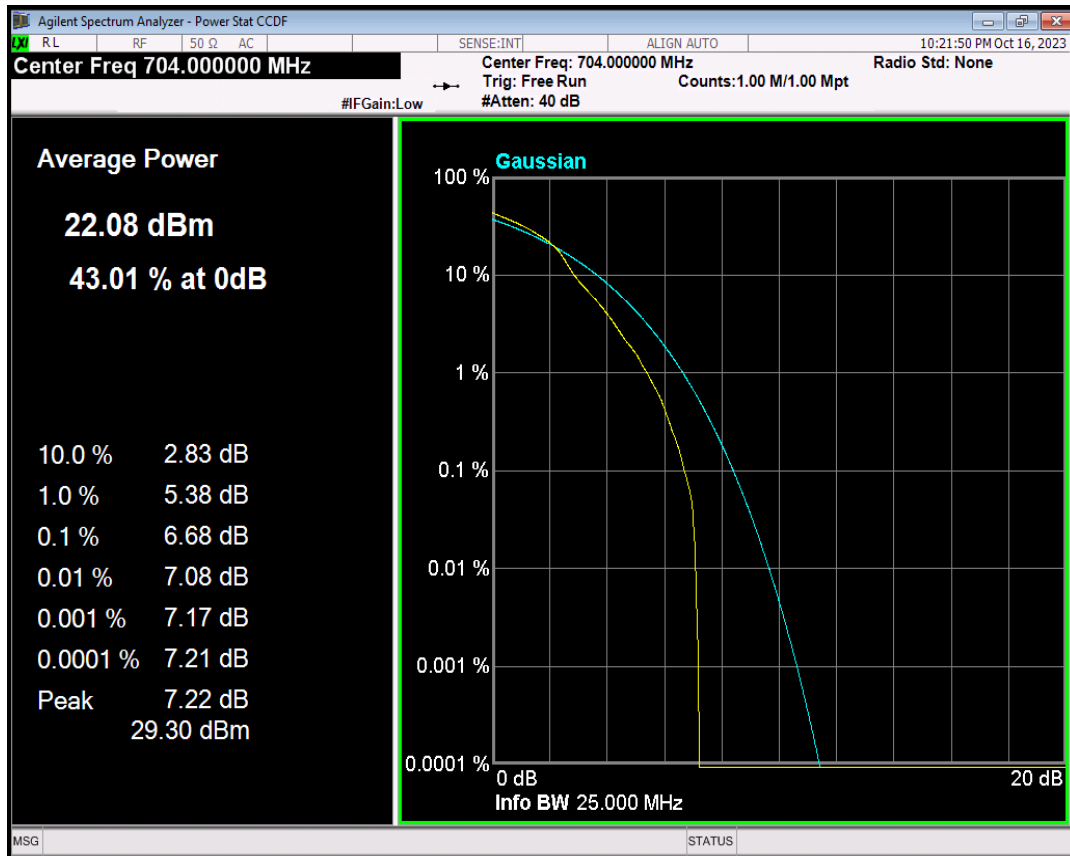
Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



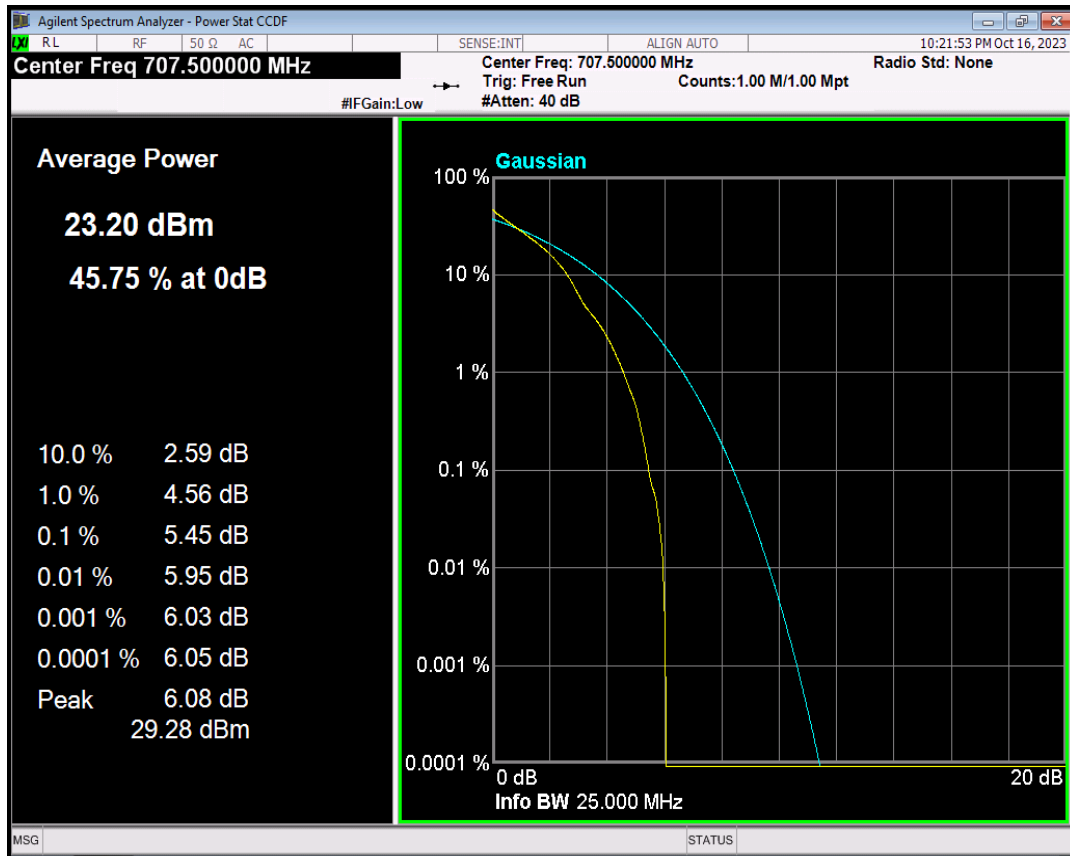
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



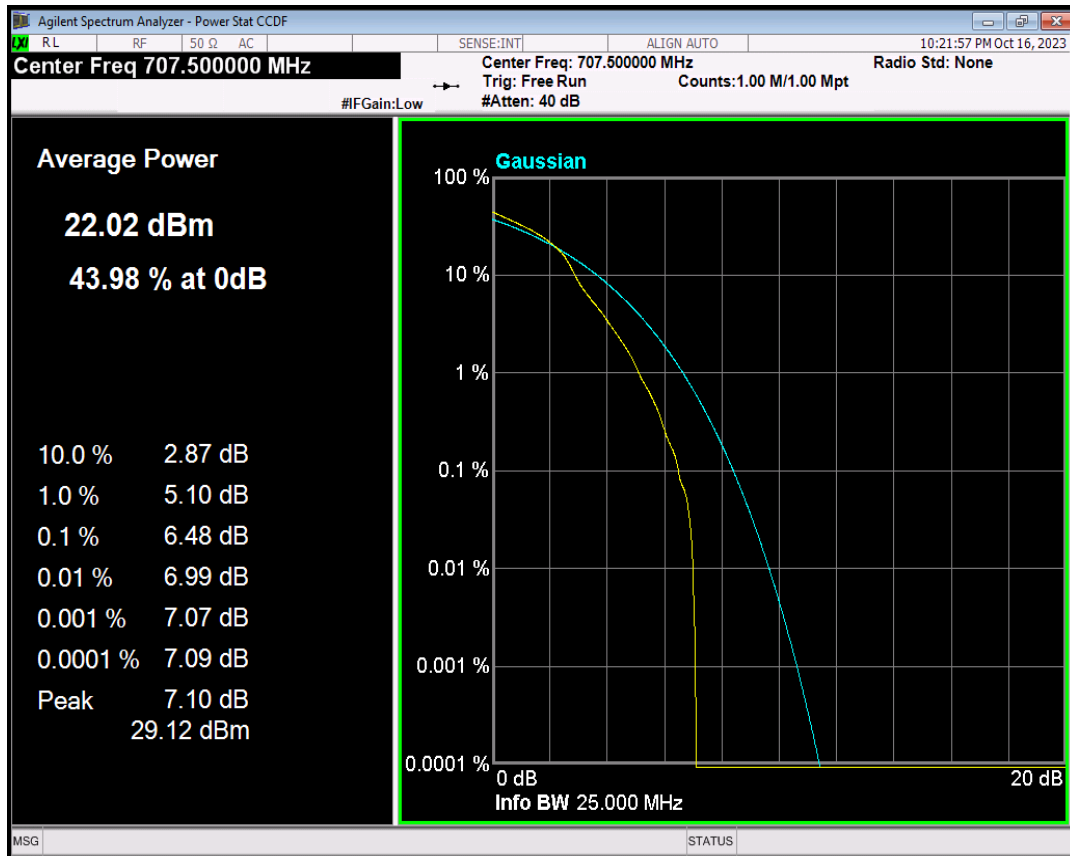
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



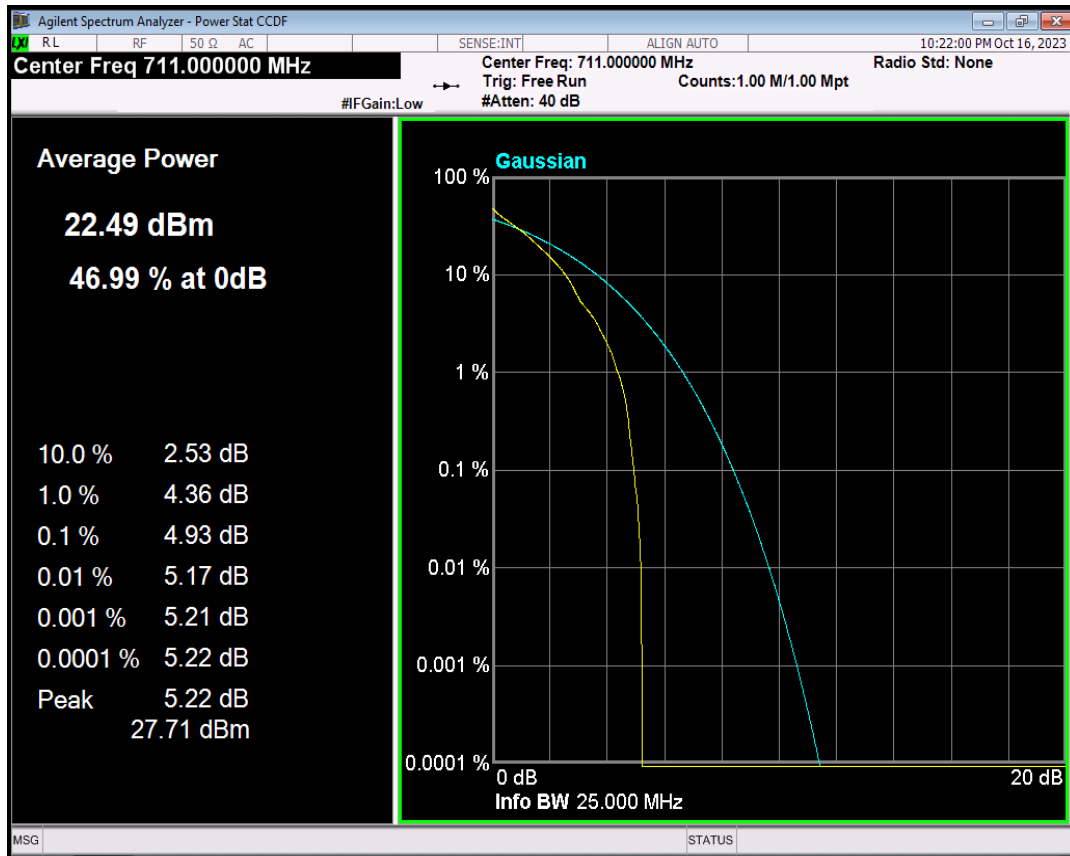
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



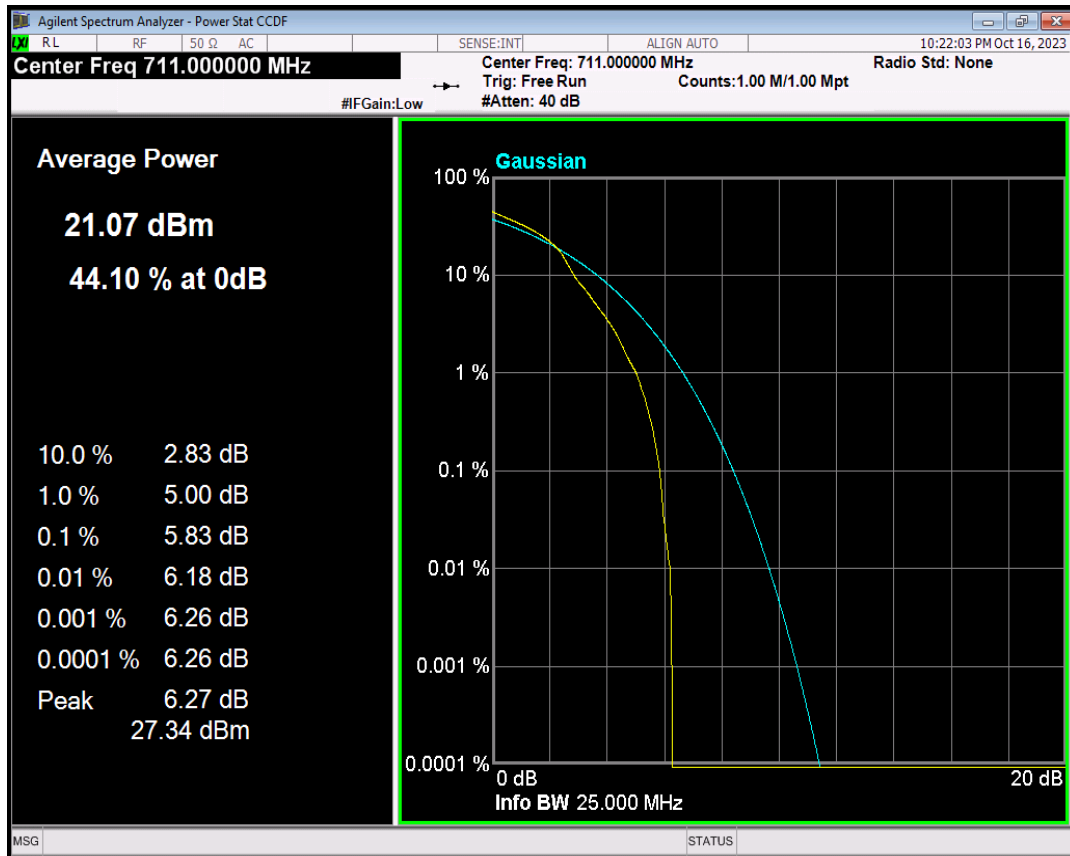
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



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



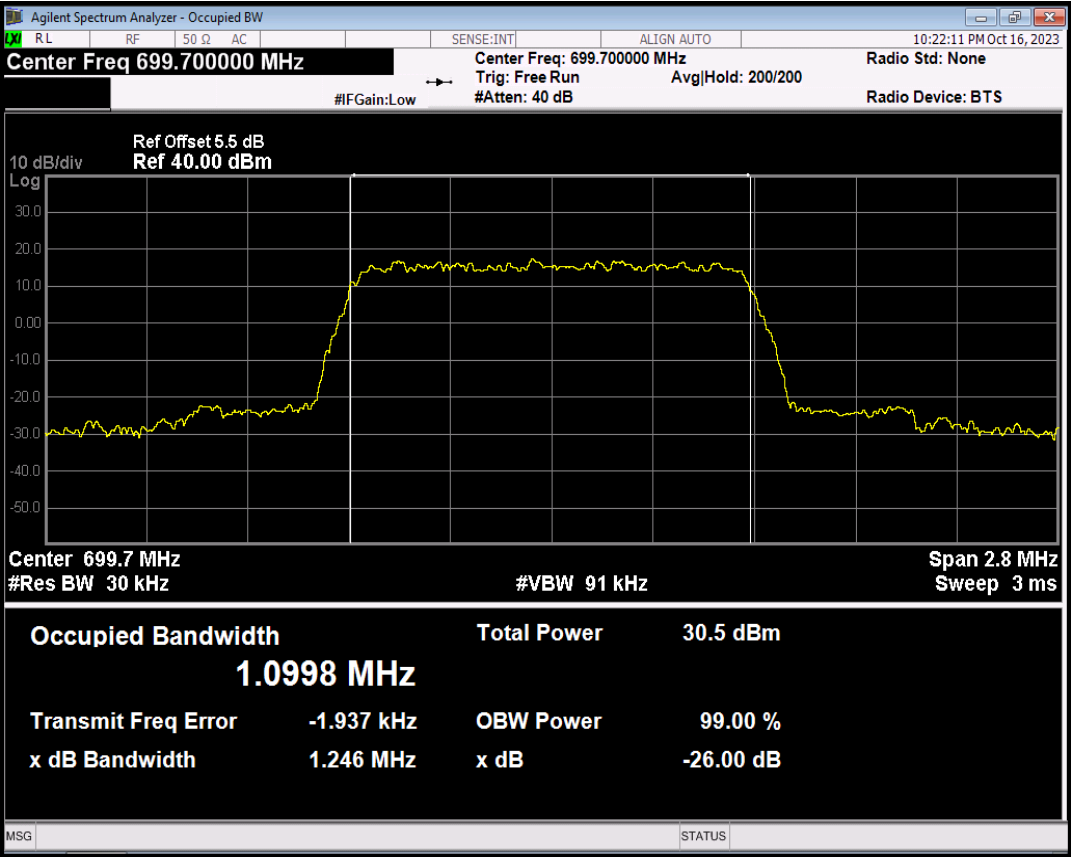
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



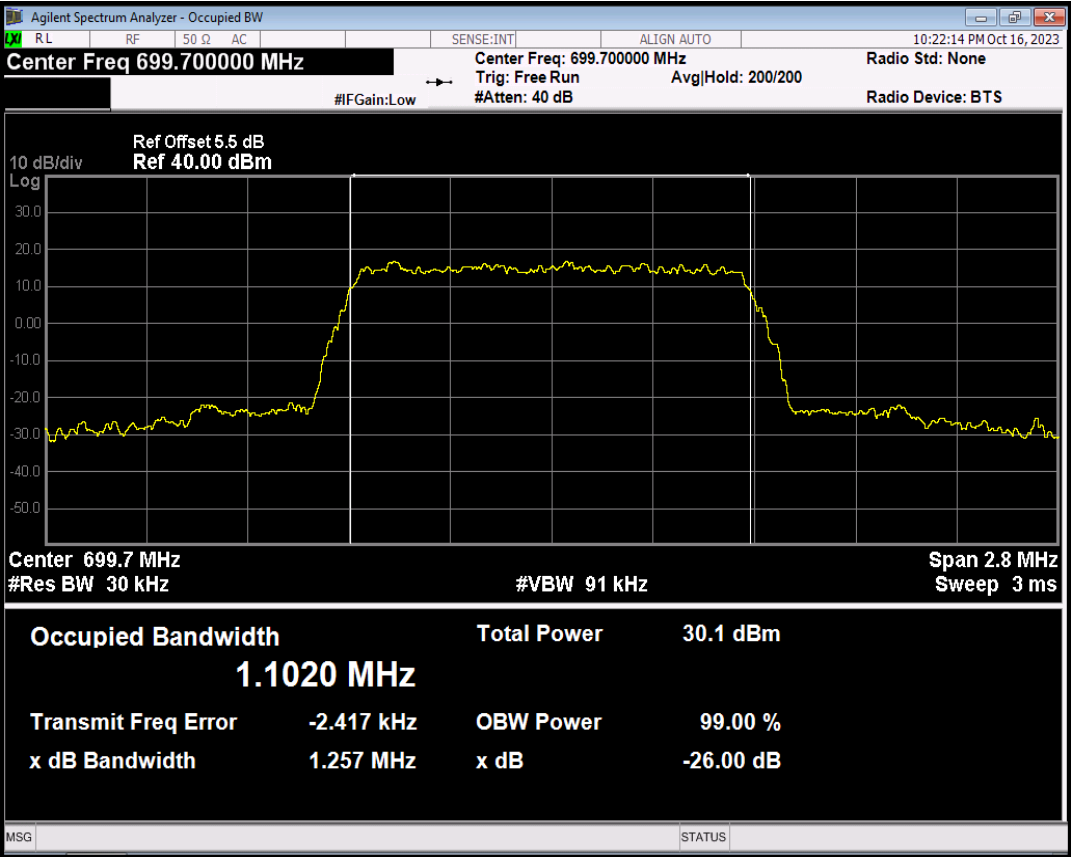
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.100	1.246	PASS
Band12	1.4	23017	6	#0	16QAM	1.102	1.257	PASS
Band12	1.4	23095	6	#0	QPSK	1.099	1.245	PASS
Band12	1.4	23095	6	#0	16QAM	1.095	1.243	PASS
Band12	1.4	23173	6	#0	QPSK	1.099	1.244	PASS
Band12	1.4	23173	6	#0	16QAM	1.093	1.242	PASS
Band12	3	23025	15	#0	QPSK	2.710	3.052	PASS
Band12	3	23025	15	#0	16QAM	2.711	3.047	PASS
Band12	3	23095	15	#0	QPSK	2.708	3.020	PASS
Band12	3	23095	15	#0	16QAM	2.700	3.022	PASS
Band12	3	23165	15	#0	QPSK	2.707	3.029	PASS
Band12	3	23165	15	#0	16QAM	2.703	3.018	PASS
Band12	5	23035	25	#0	QPSK	4.517	4.963	PASS
Band12	5	23035	25	#0	16QAM	4.510	4.889	PASS
Band12	5	23095	25	#0	QPSK	4.497	4.983	PASS
Band12	5	23095	25	#0	16QAM	4.492	4.966	PASS
Band12	5	23155	25	#0	QPSK	4.497	4.978	PASS
Band12	5	23155	25	#0	16QAM	4.499	4.962	PASS
Band12	10	23060	50	#0	QPSK	8.977	9.862	PASS
Band12	10	23060	50	#0	16QAM	8.967	9.811	PASS
Band12	10	23095	50	#0	QPSK	8.953	9.798	PASS
Band12	10	23095	50	#0	16QAM	8.954	9.816	PASS
Band12	10	23130	50	#0	QPSK	9.036	9.952	PASS
Band12	10	23130	50	#0	16QAM	9.029	9.865	PASS

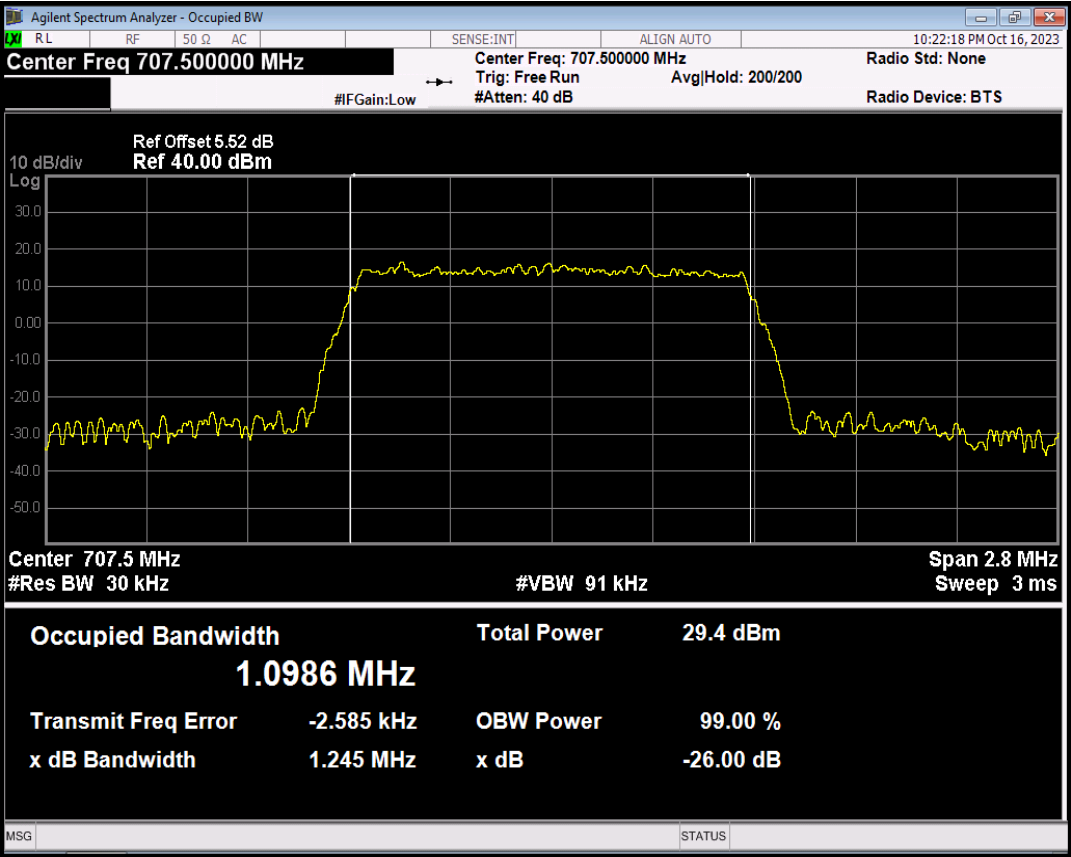
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



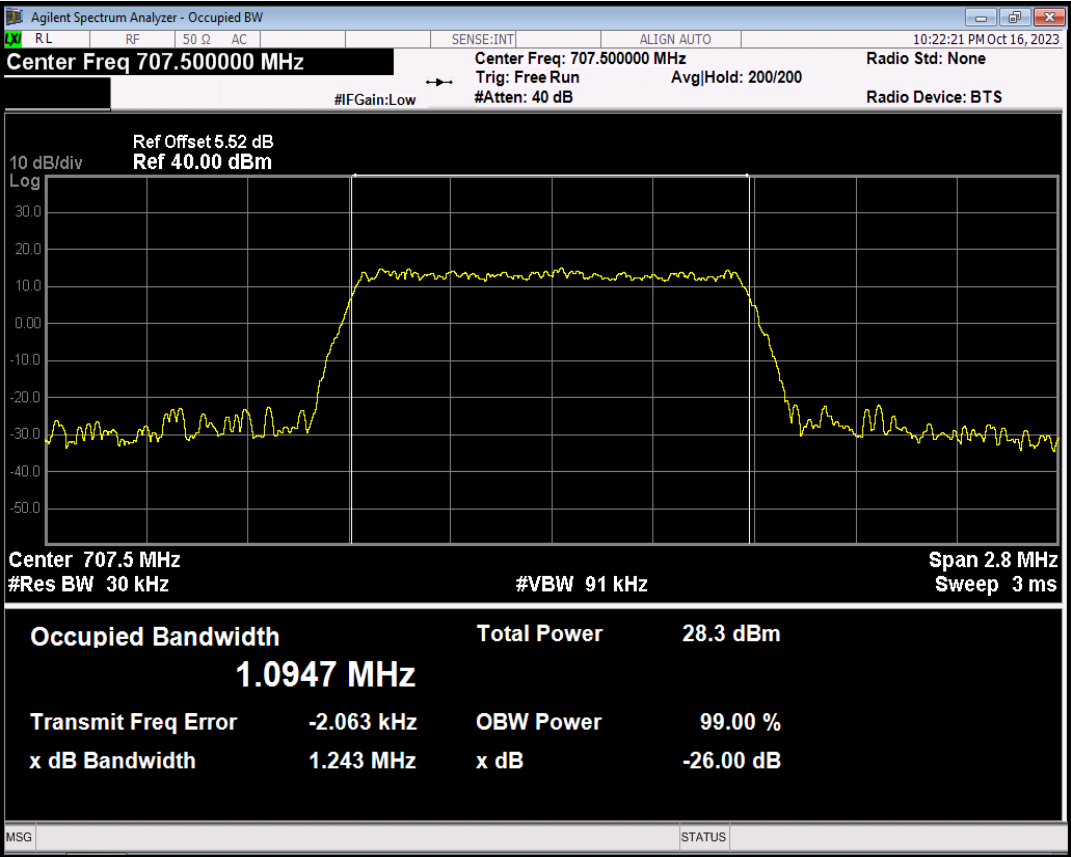
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



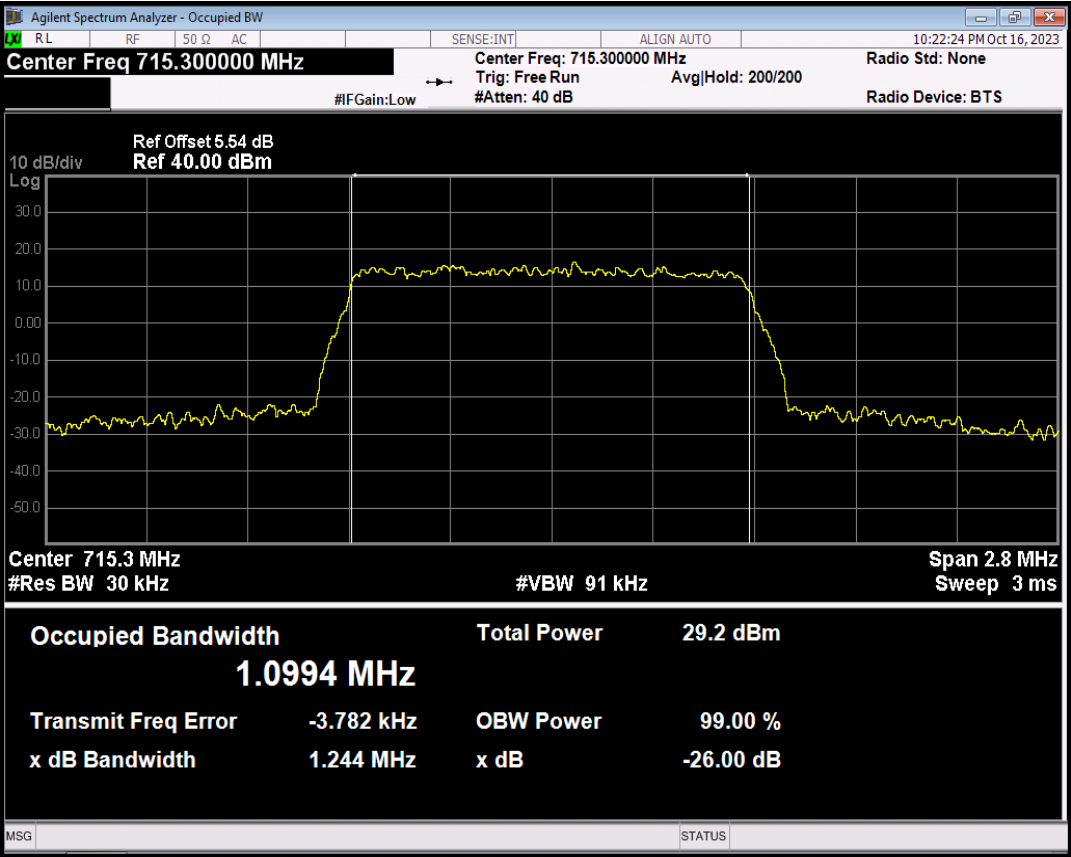
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



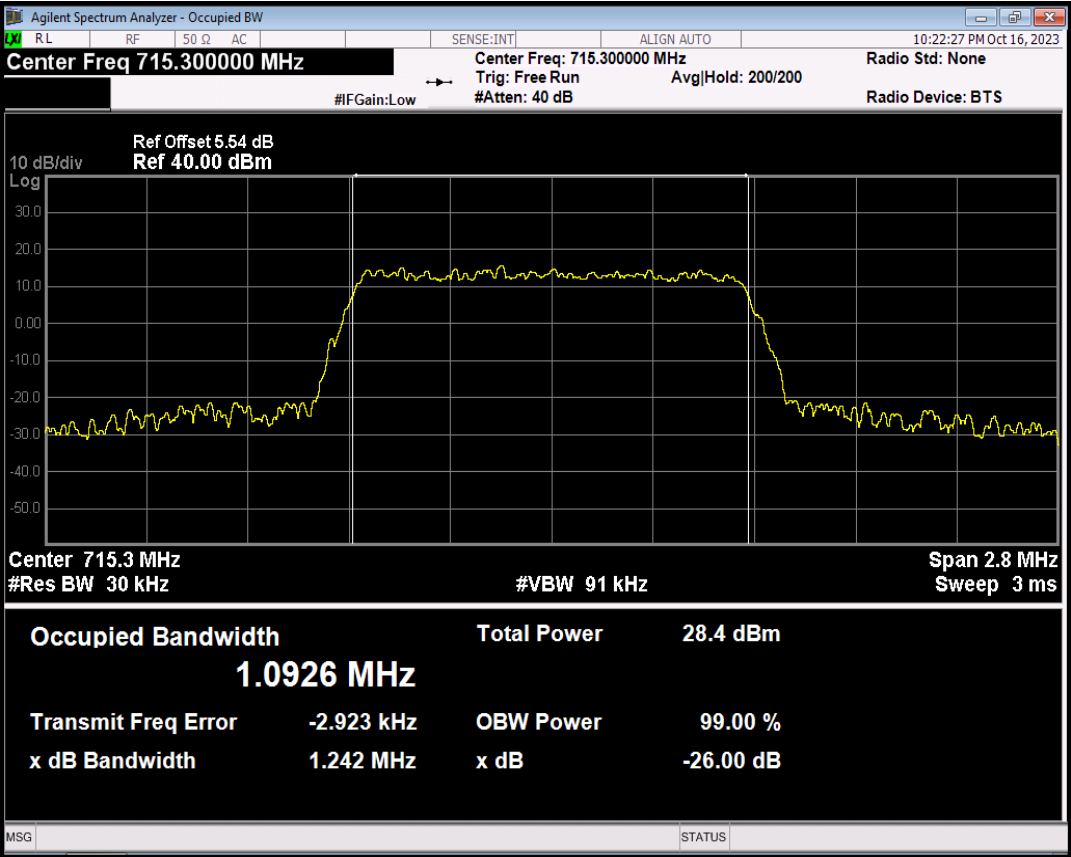
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



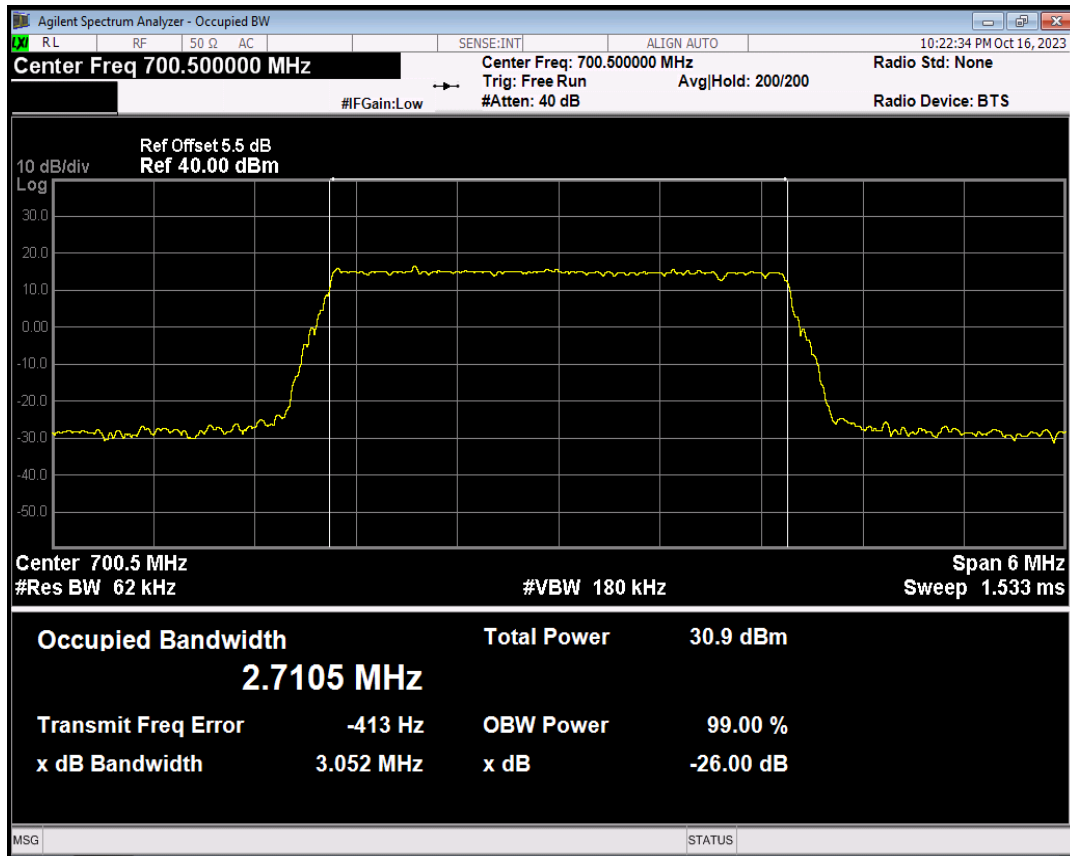
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



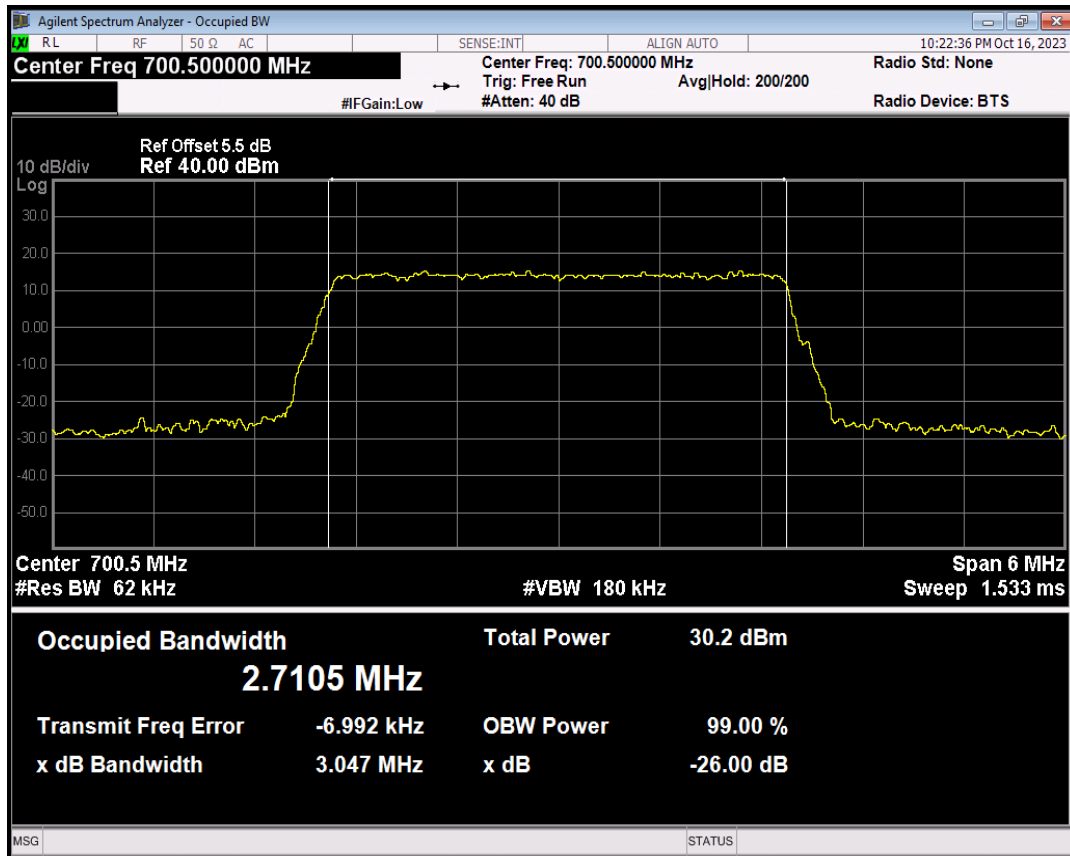
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



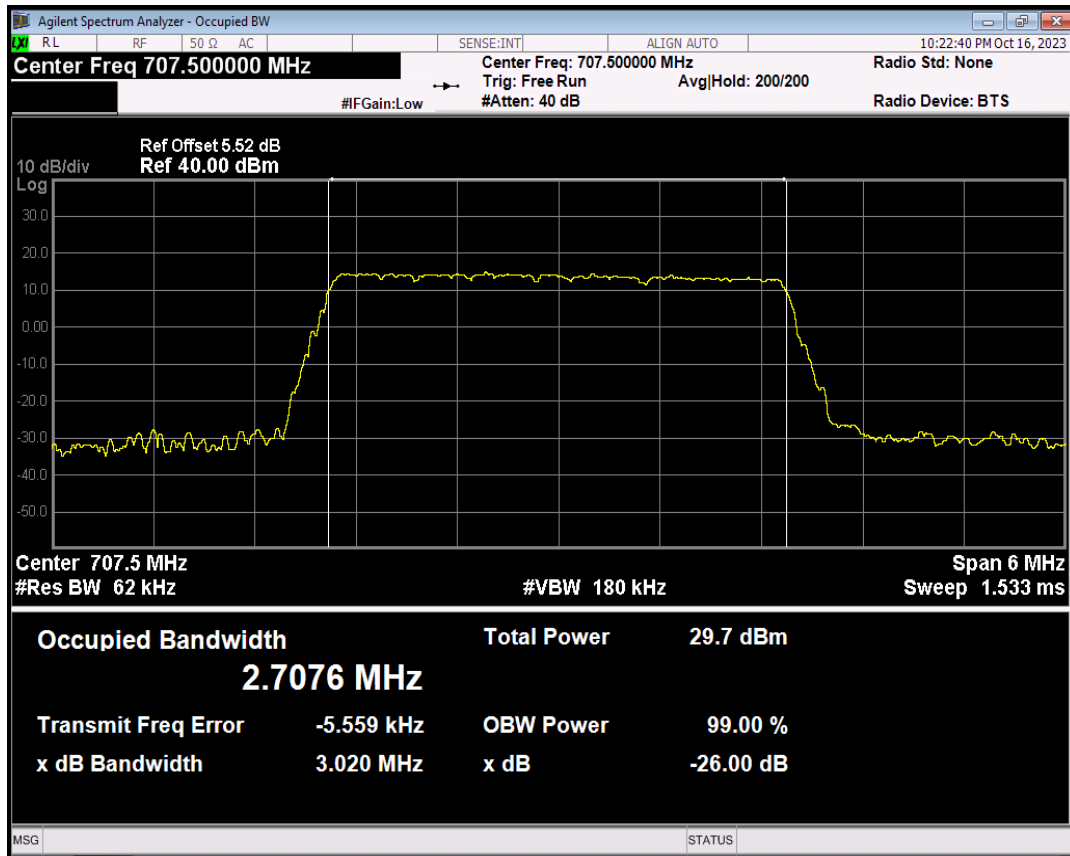
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



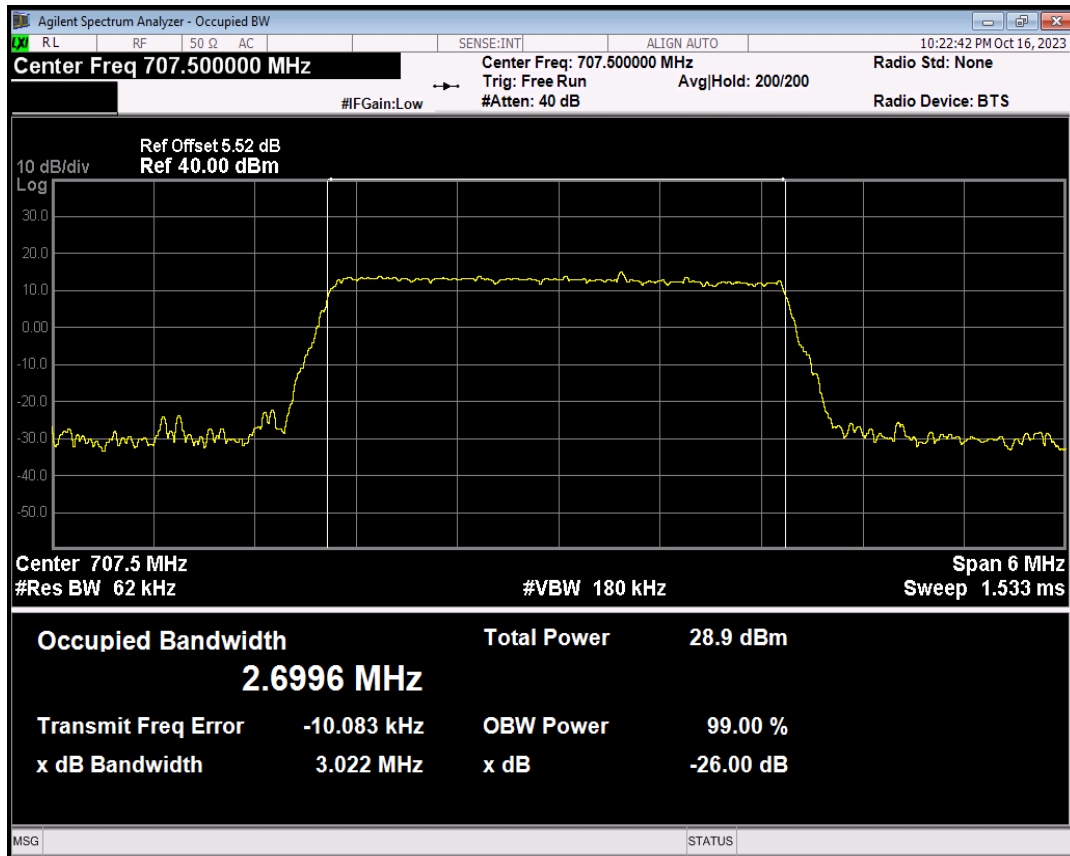
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



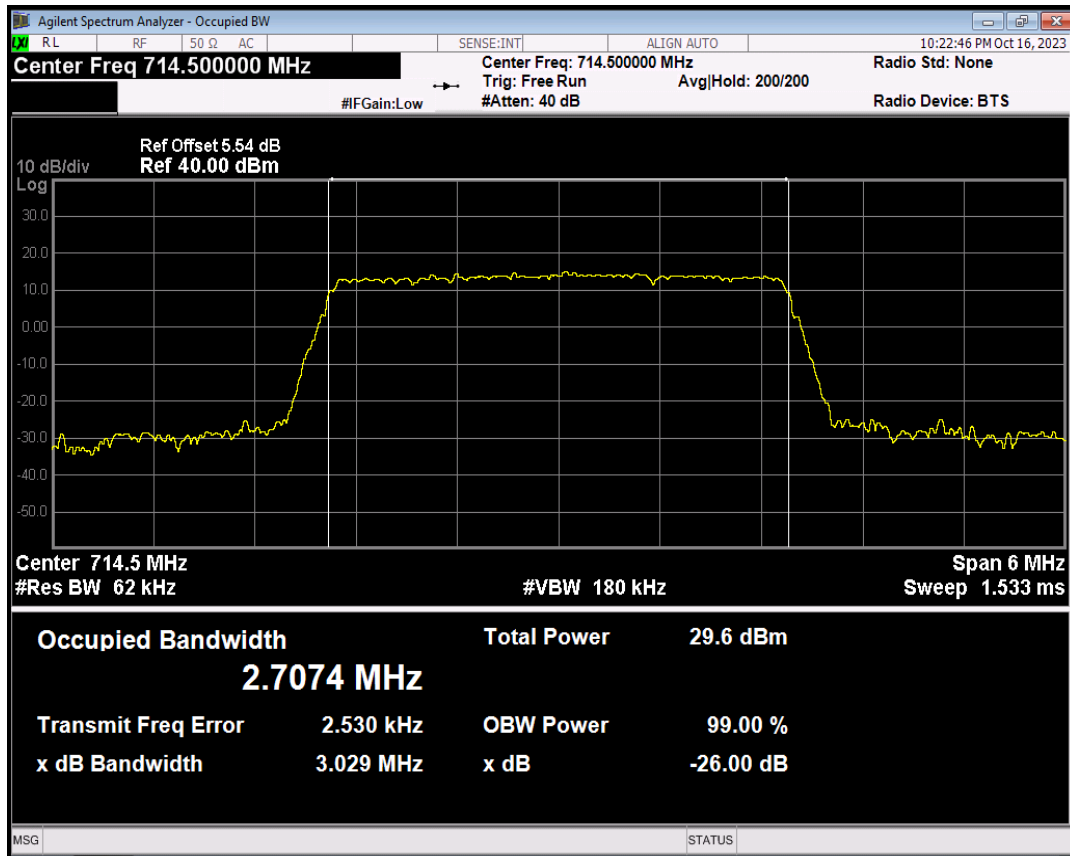
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



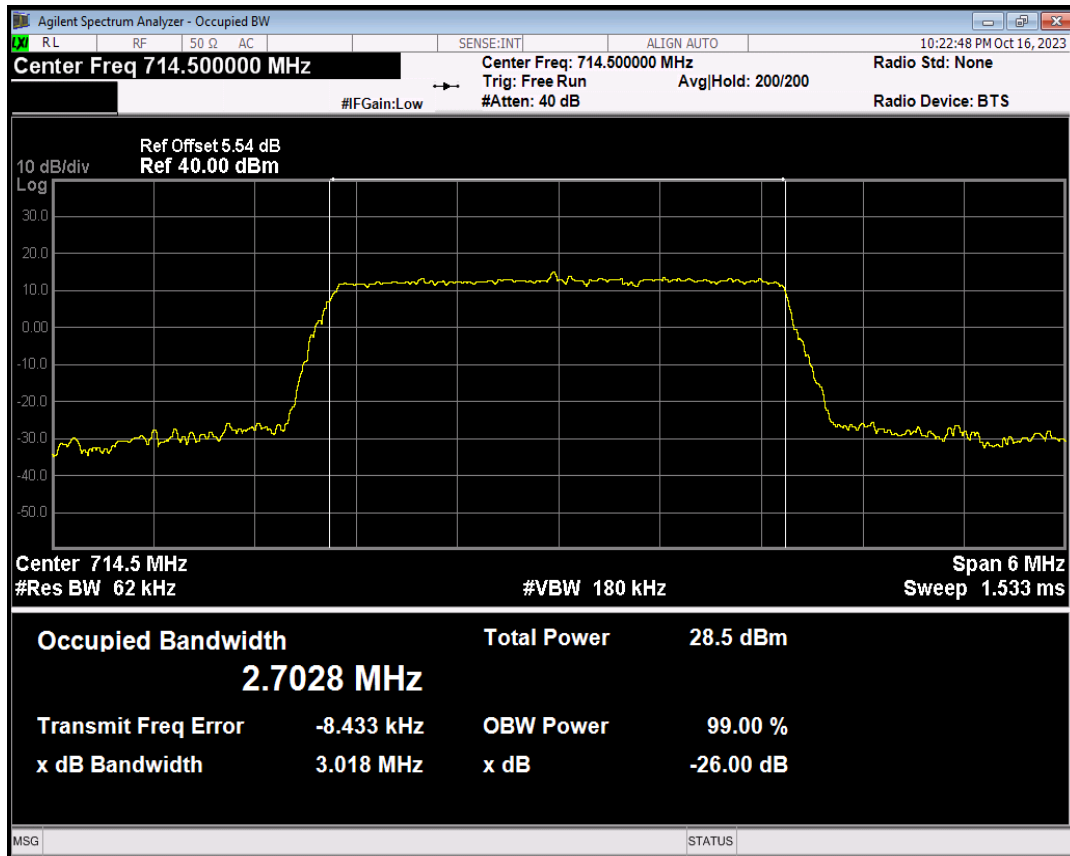
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



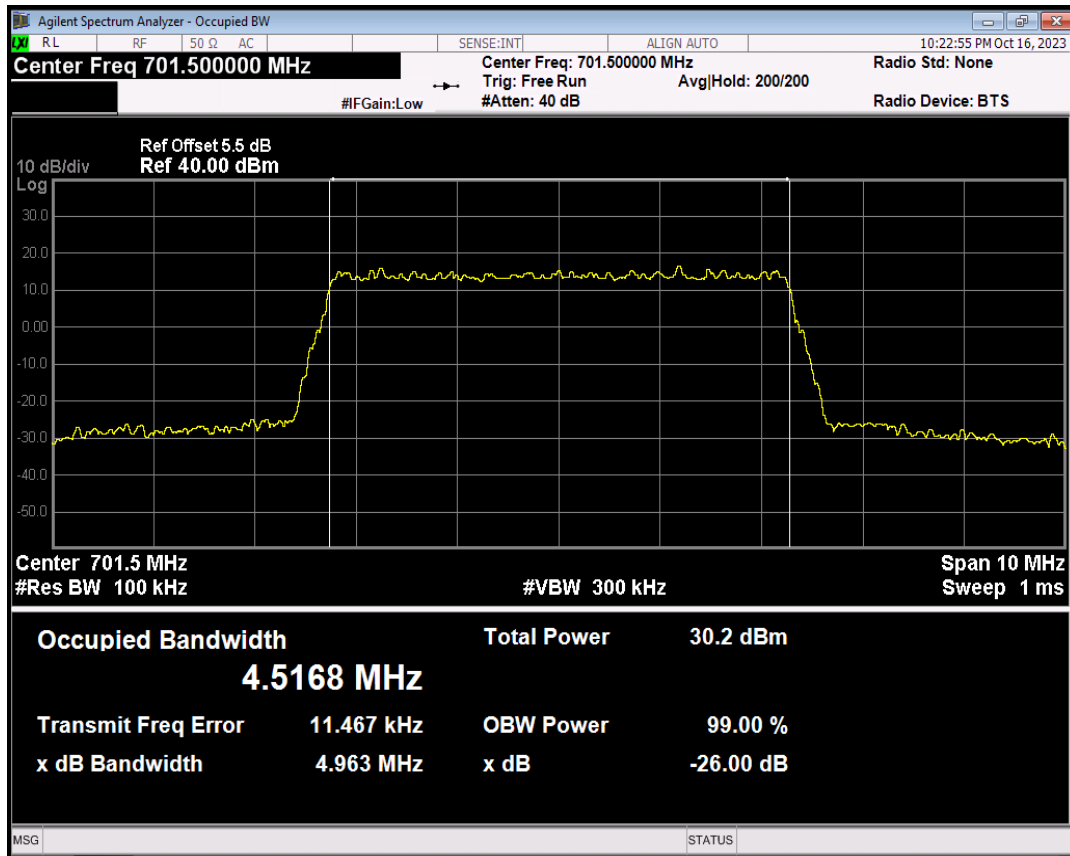
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



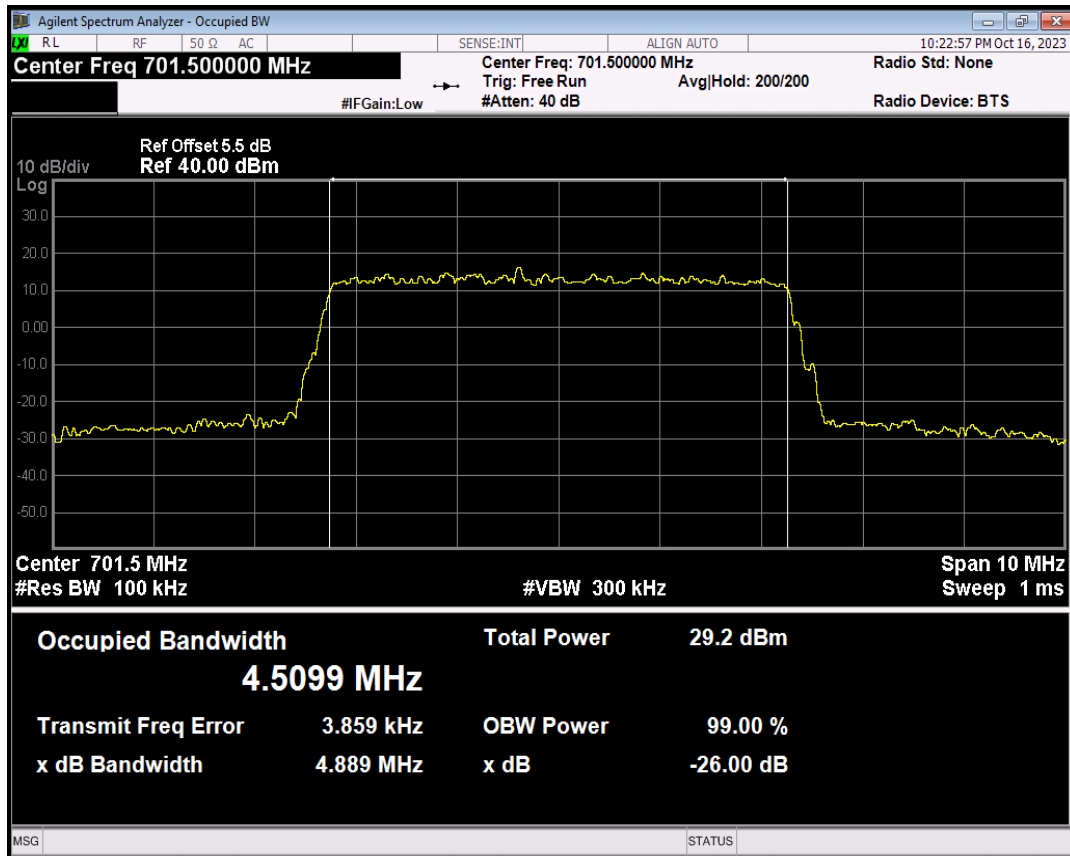
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



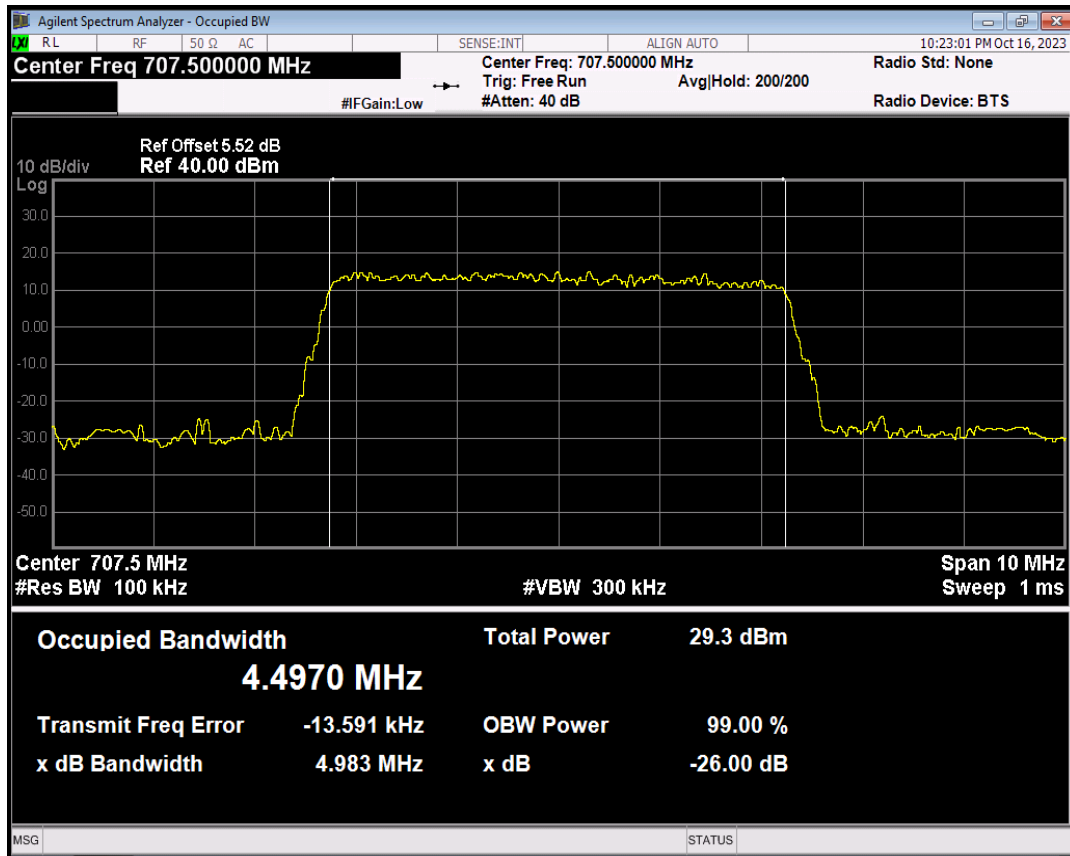
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



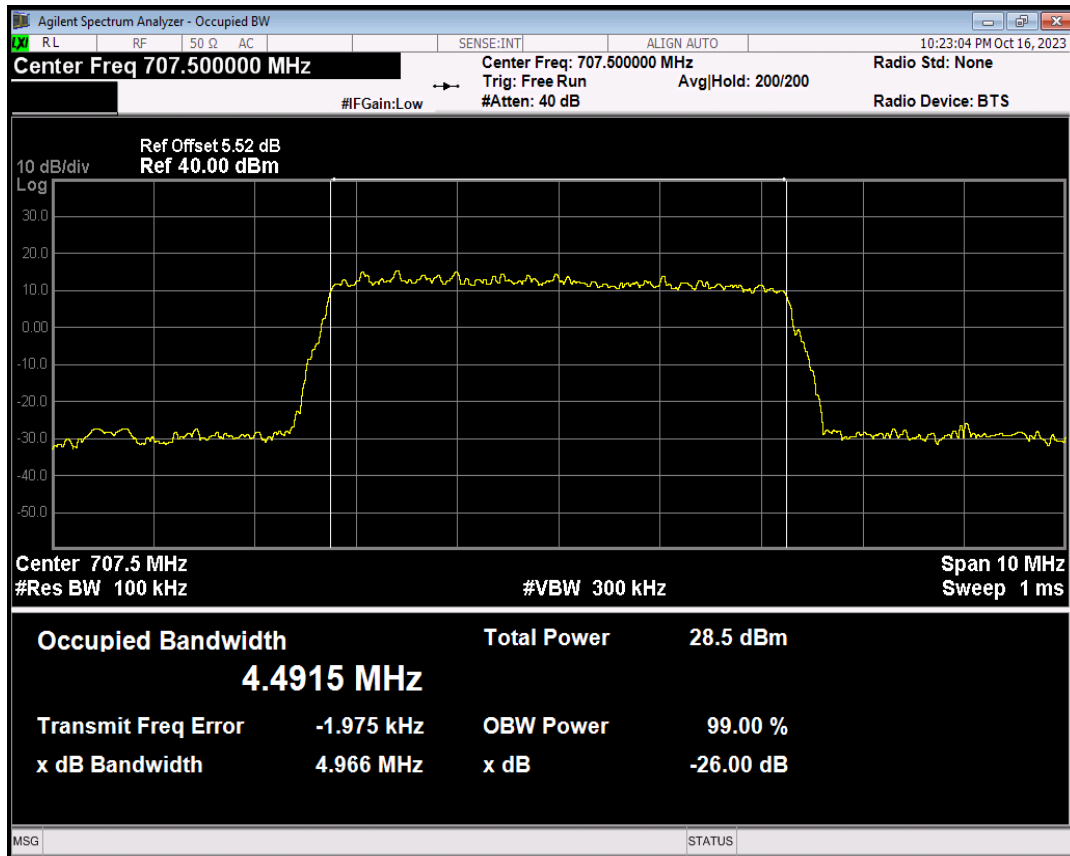
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



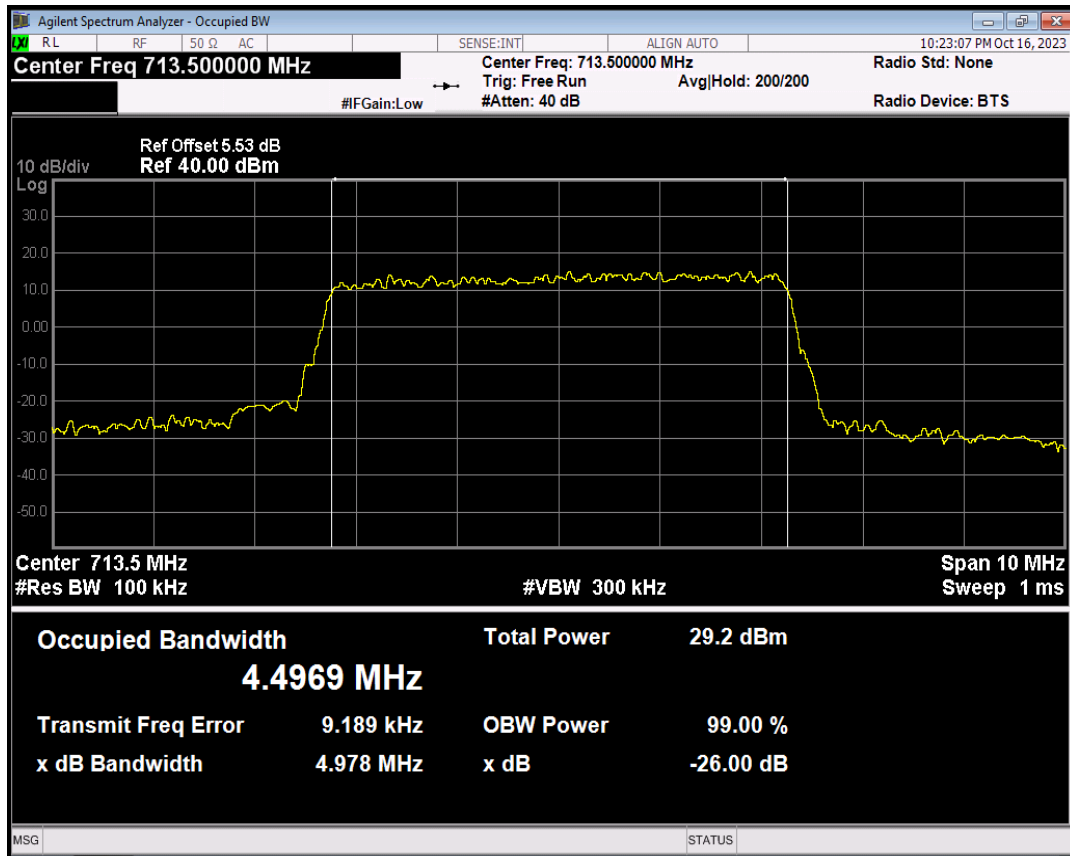
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



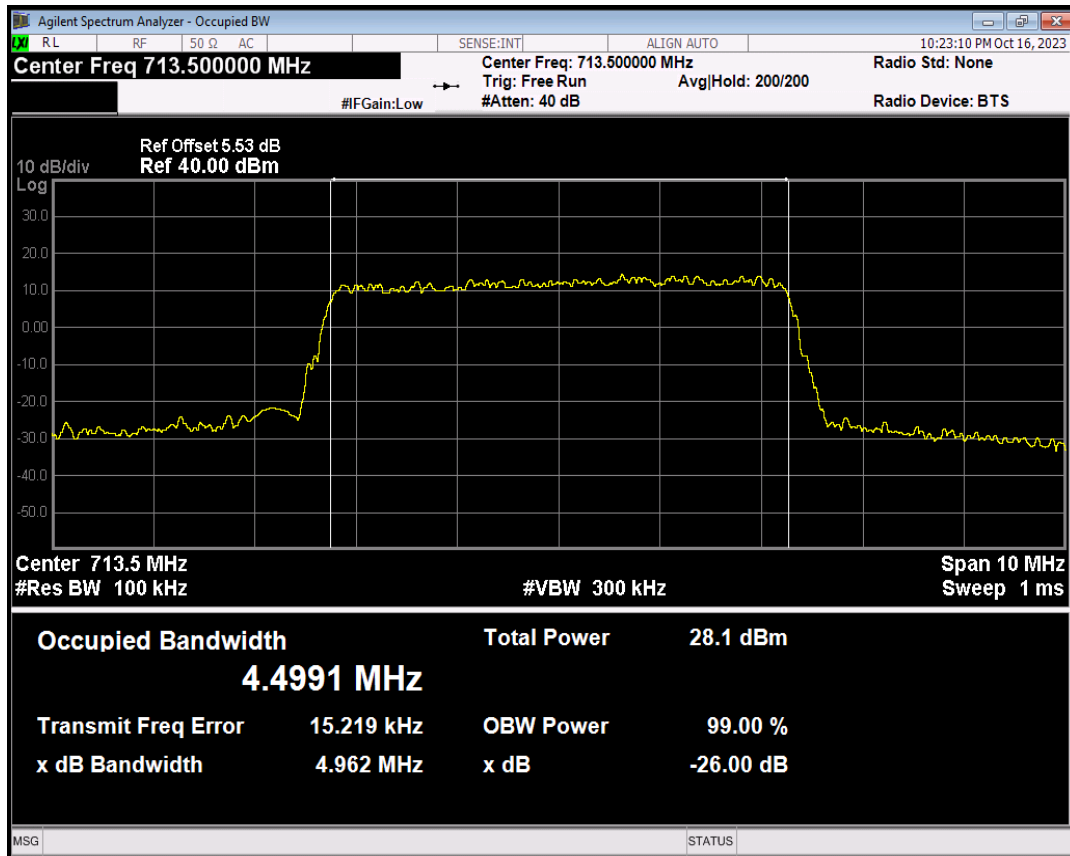
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



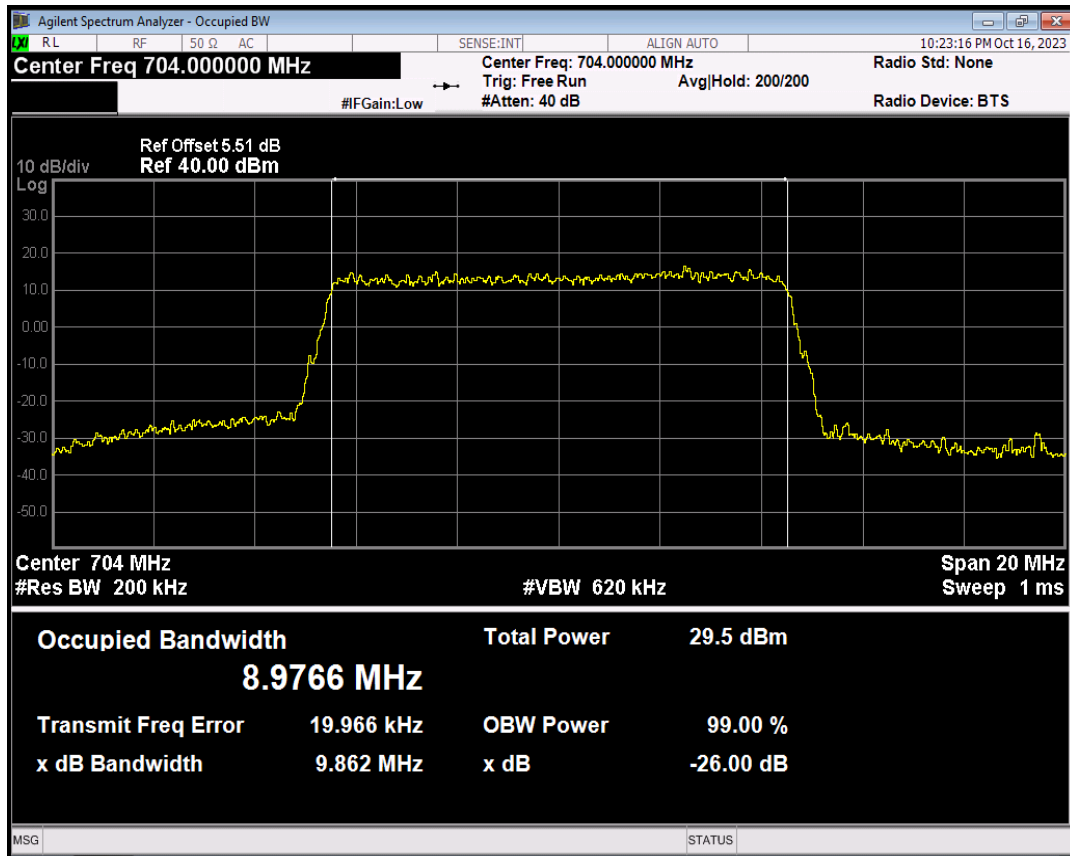
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



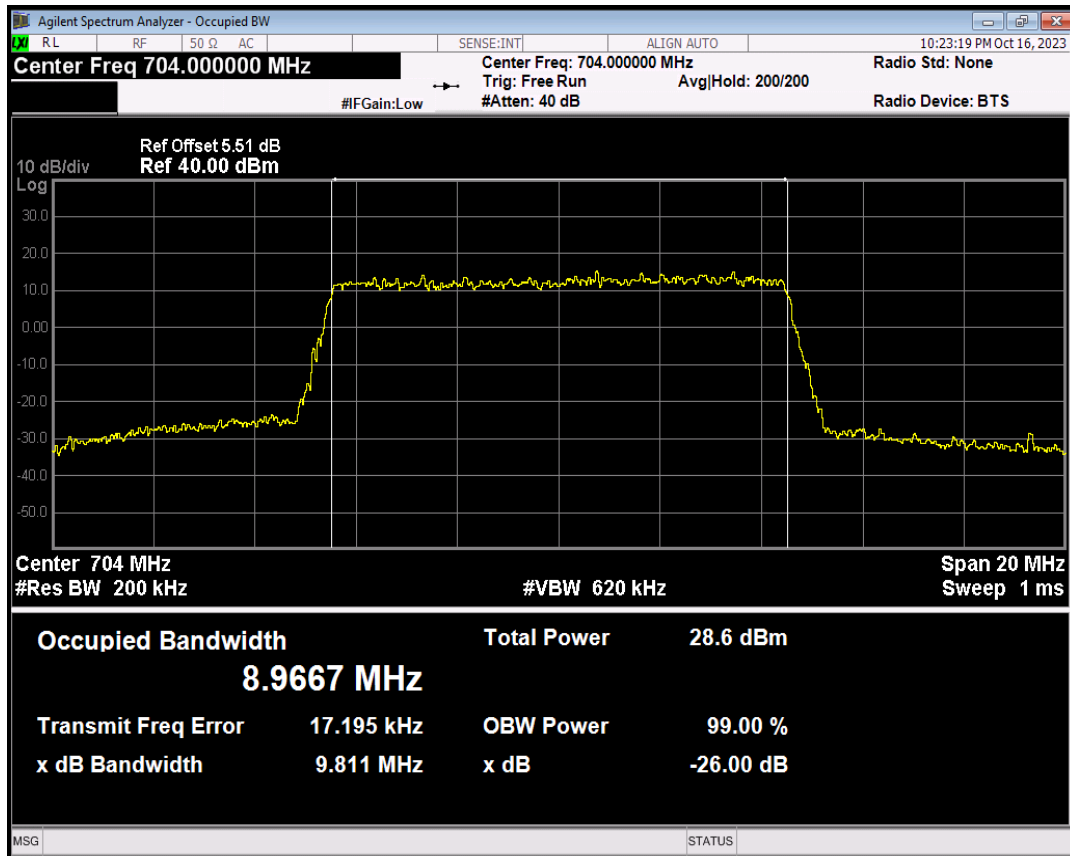
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



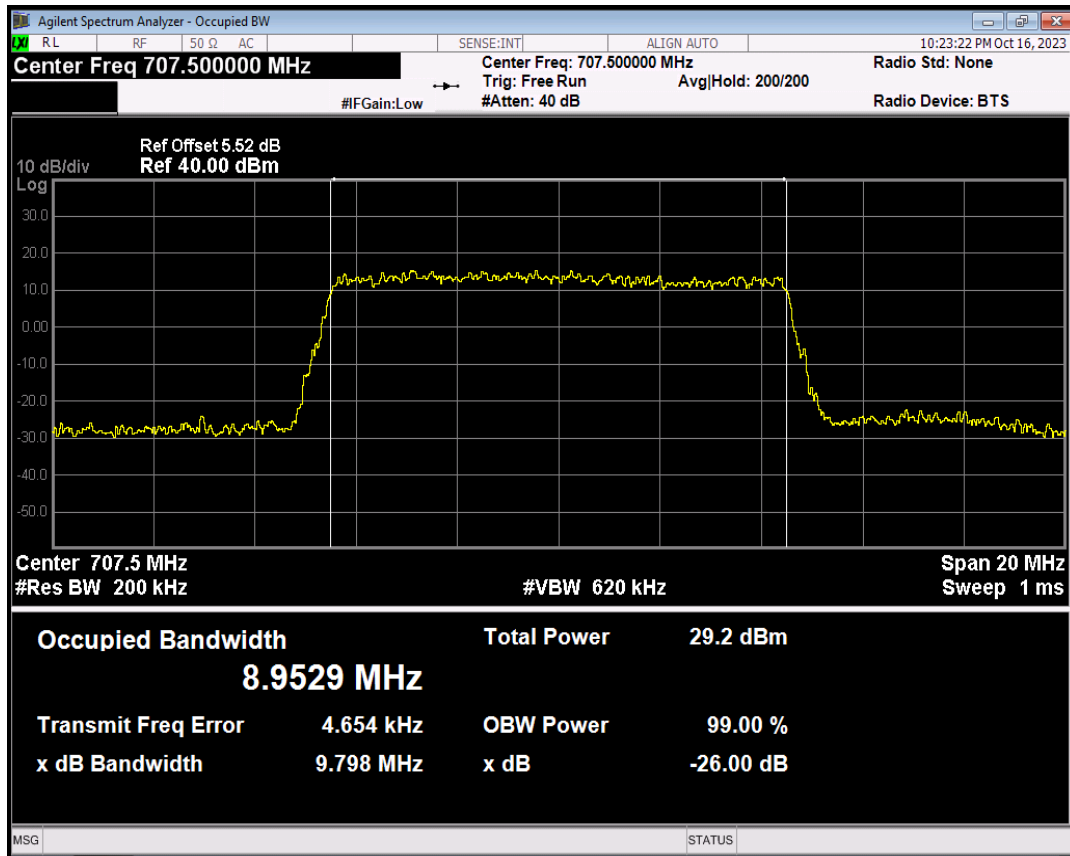
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



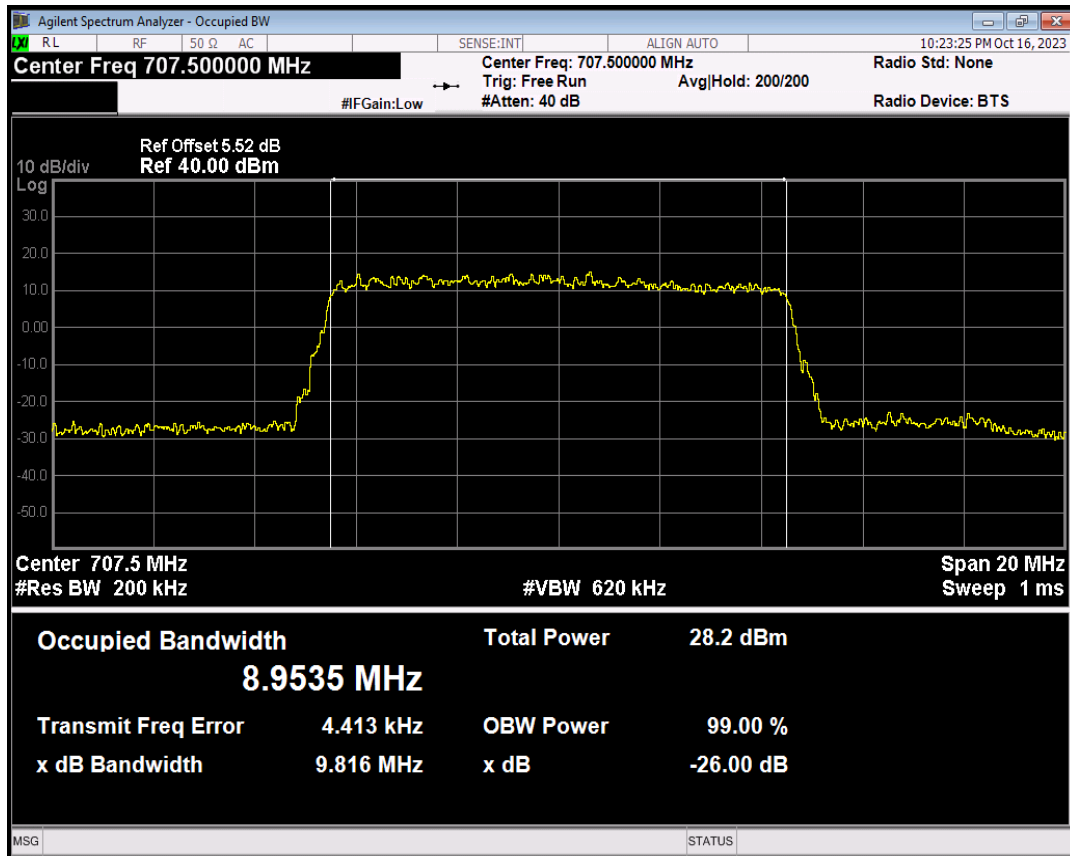
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



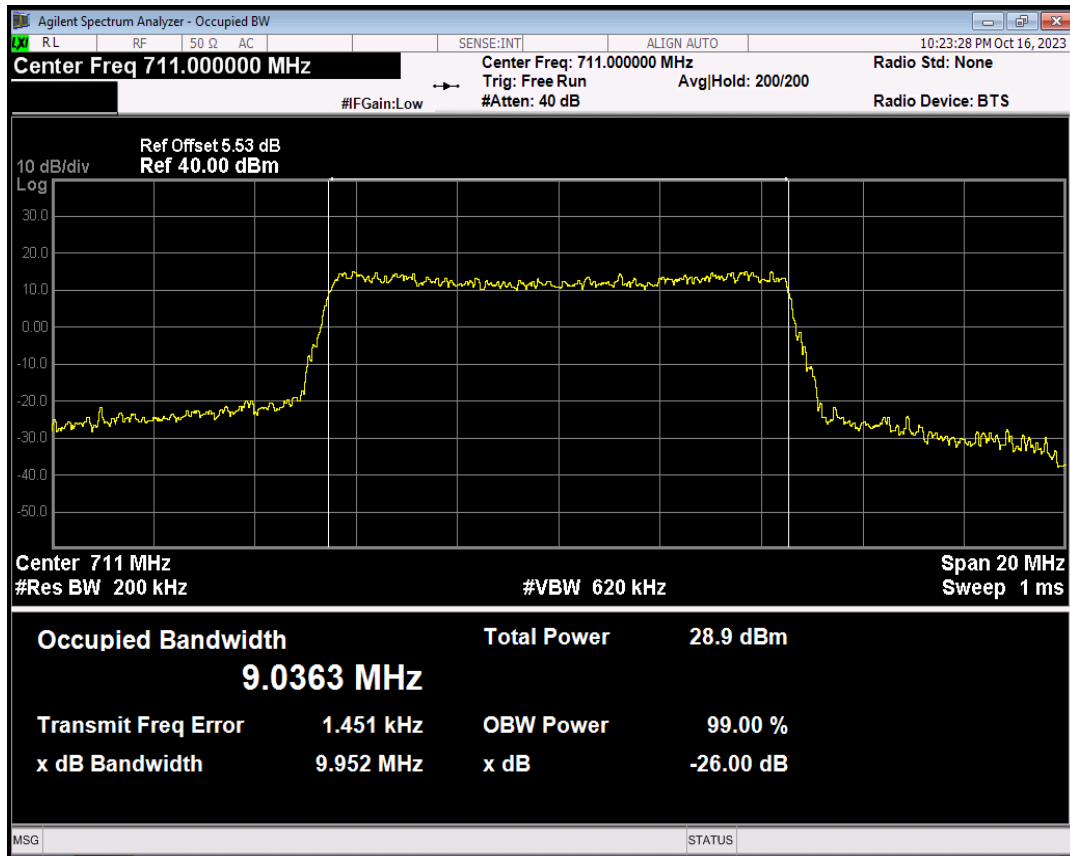
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



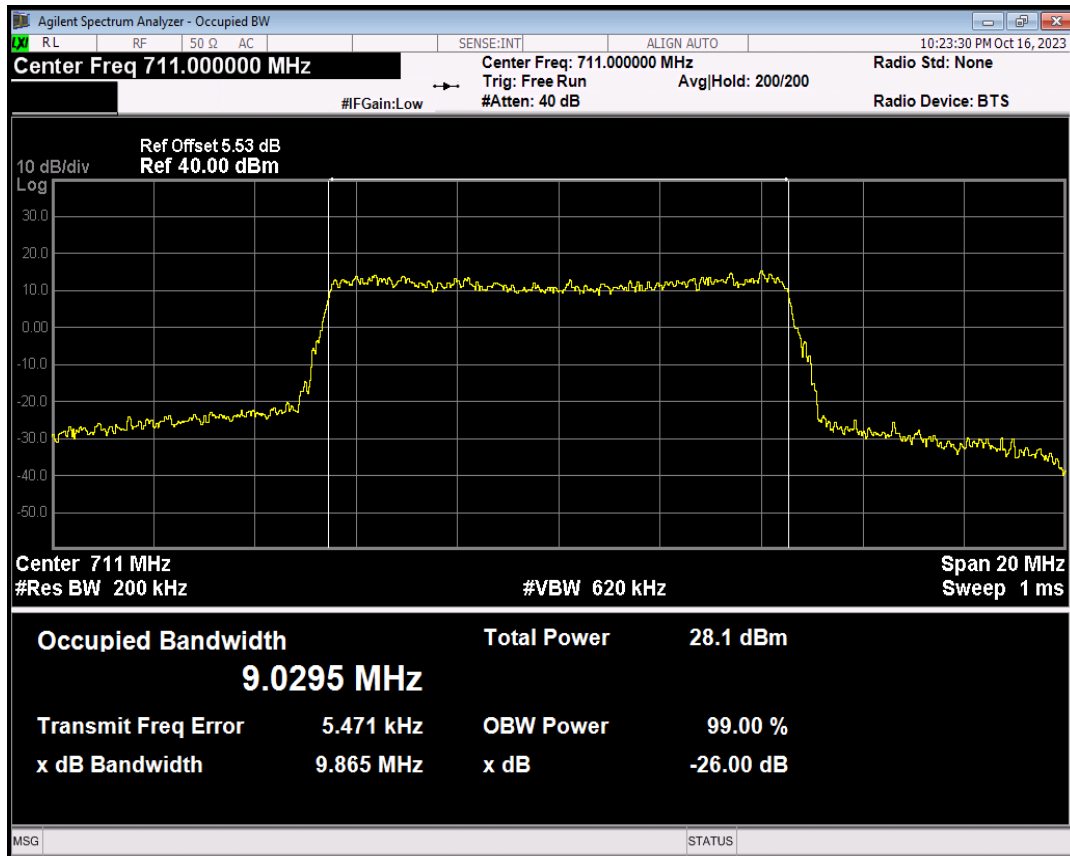
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



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

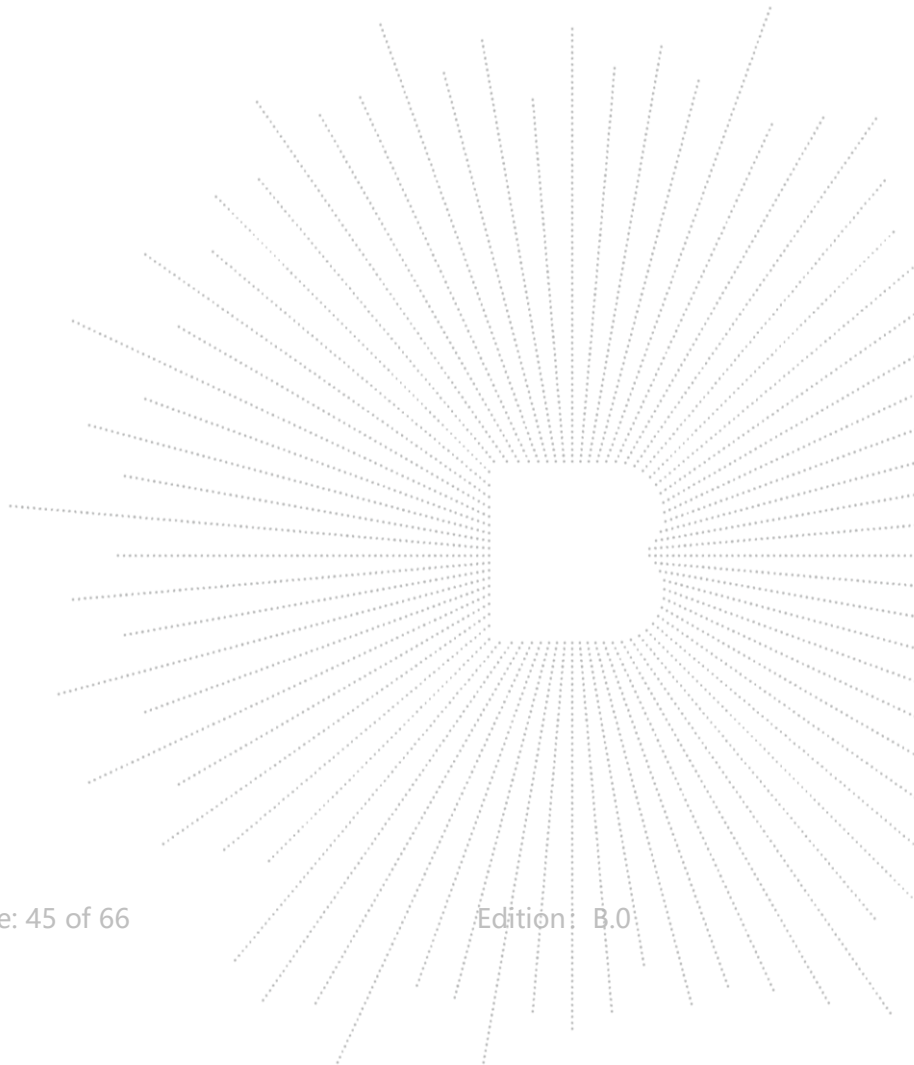


Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

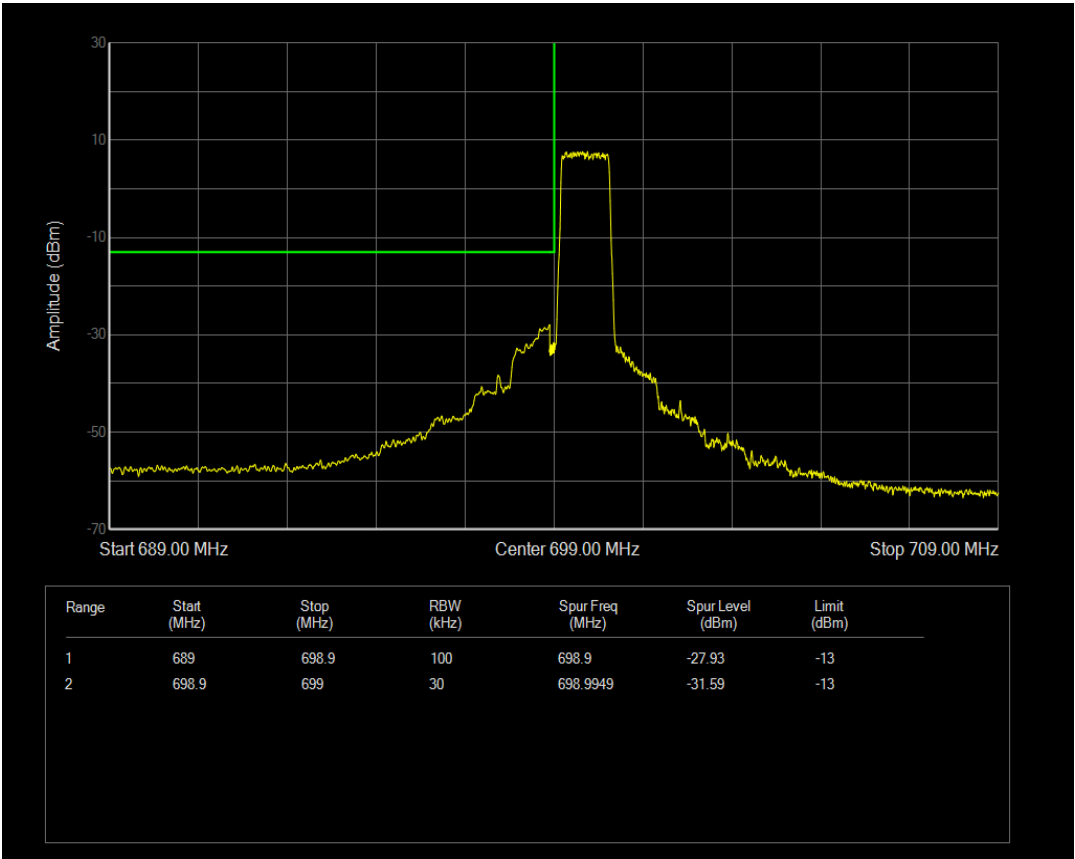


Appendix 5. Band edge

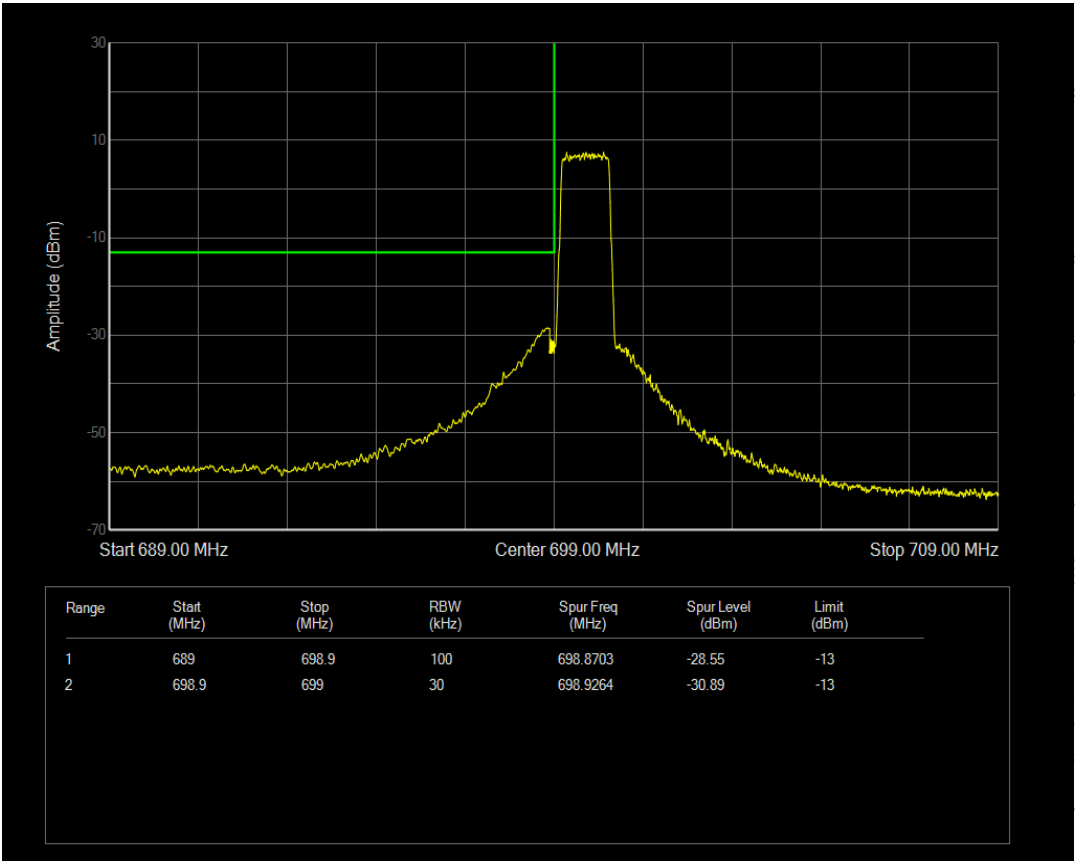
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	698.90	-27.93	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.87	-28.55	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.11	-31.00	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.11	-29.73	-13	PASS
Band12	3	23025	15	#0	QPSK	699.00	-24.21	-13	PASS
Band12	3	23025	15	#0	16QAM	698.99	-25.22	-13	PASS
Band12	3	23165	15	#0	QPSK	716.00	-26.01	-13	PASS
Band12	3	23165	15	#0	16QAM	716.00	-27.12	-13	PASS
Band12	5	23035	25	#0	QPSK	698.99	-32.05	-13	PASS
Band12	5	23035	25	#0	16QAM	699.00	-32.50	-13	PASS
Band12	5	23155	25	#0	QPSK	716.00	-33.22	-13	PASS
Band12	5	23155	25	#0	16QAM	716.32	-34.10	-13	PASS
Band12	10	23060	50	#0	QPSK	698.90	-34.61	-13	PASS
Band12	10	23060	50	#0	16QAM	698.86	-34.47	-13	PASS
Band12	10	23130	50	#0	QPSK	716.11	-34.97	-13	PASS
Band12	10	23130	50	#0	16QAM	716.14	-33.32	-13	PASS



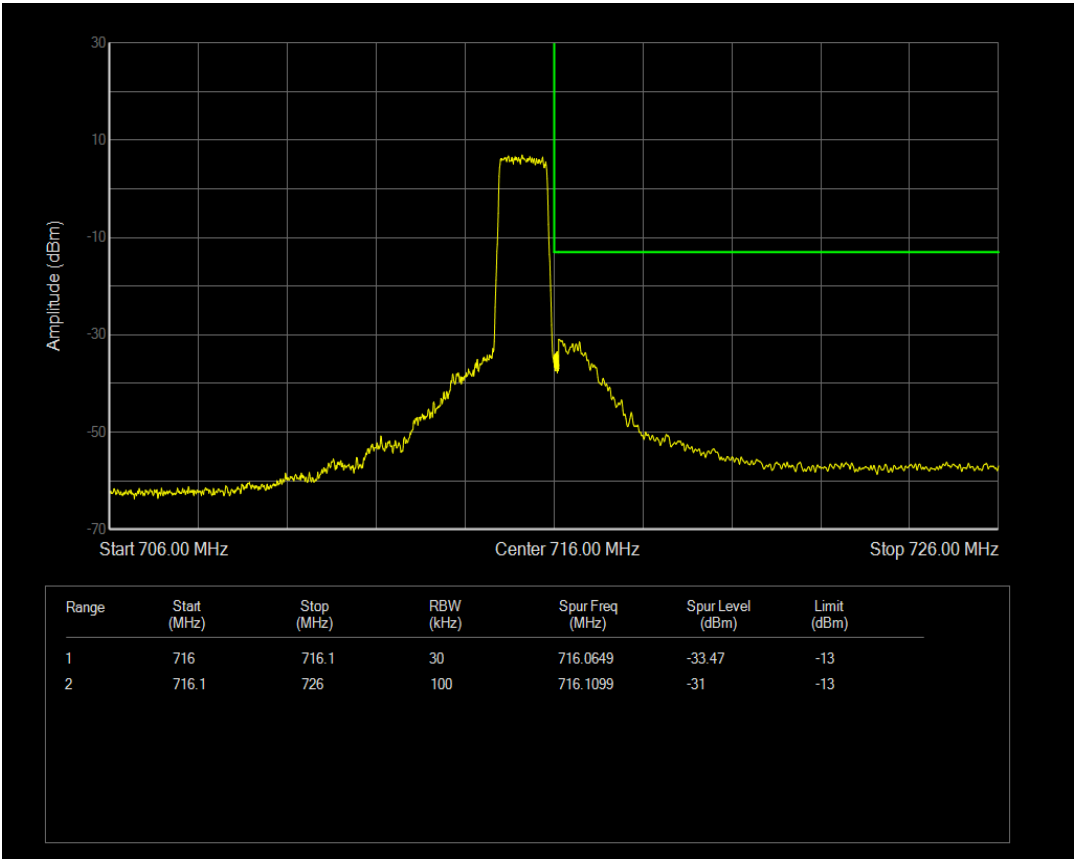
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



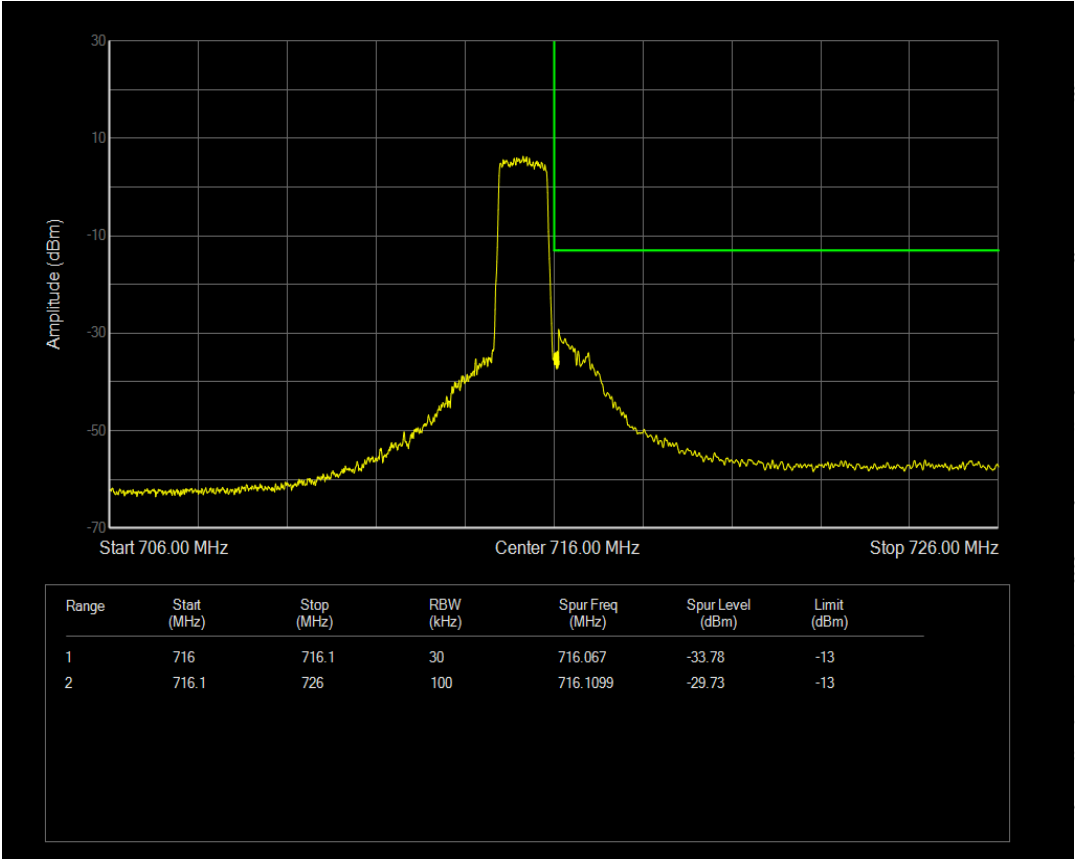
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



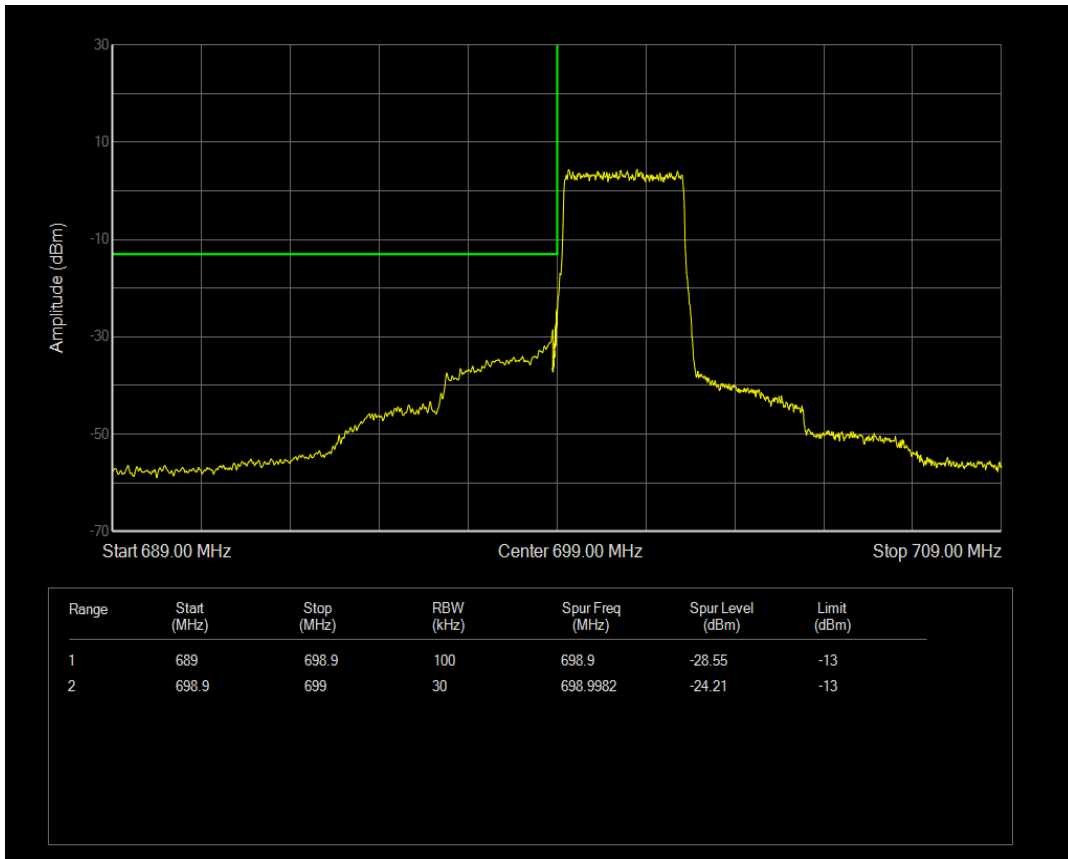
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



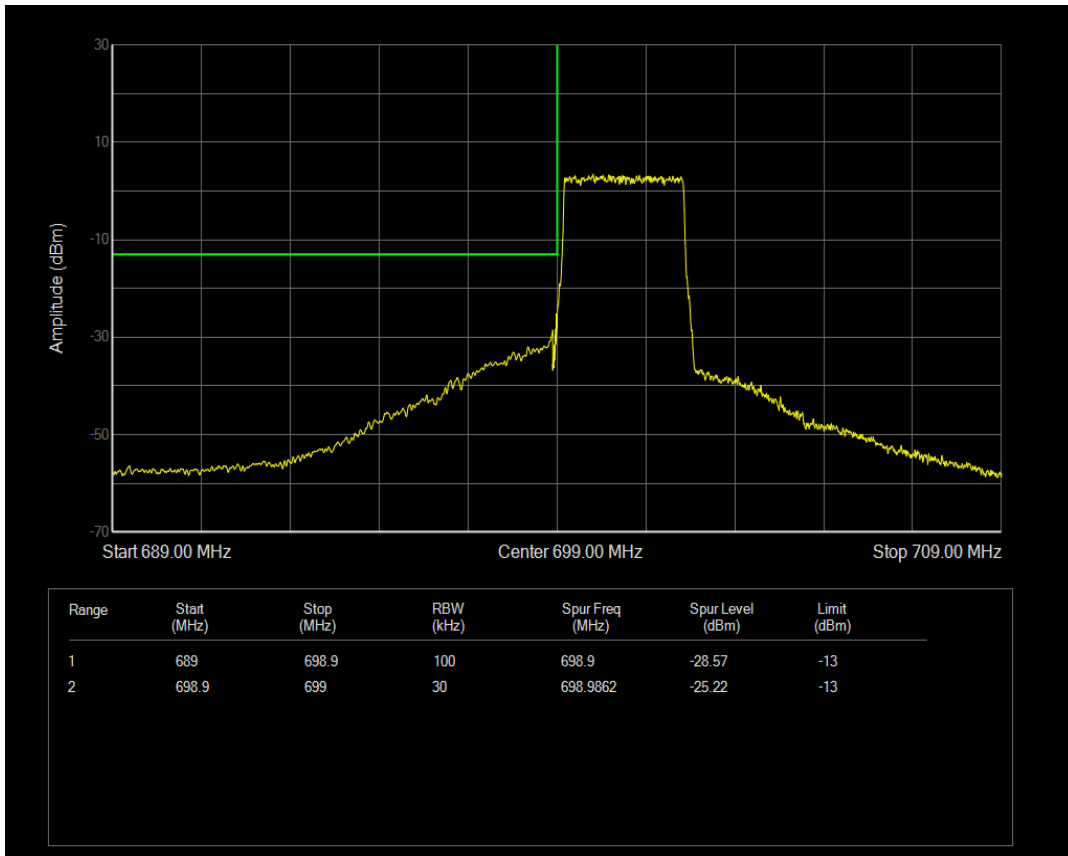
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



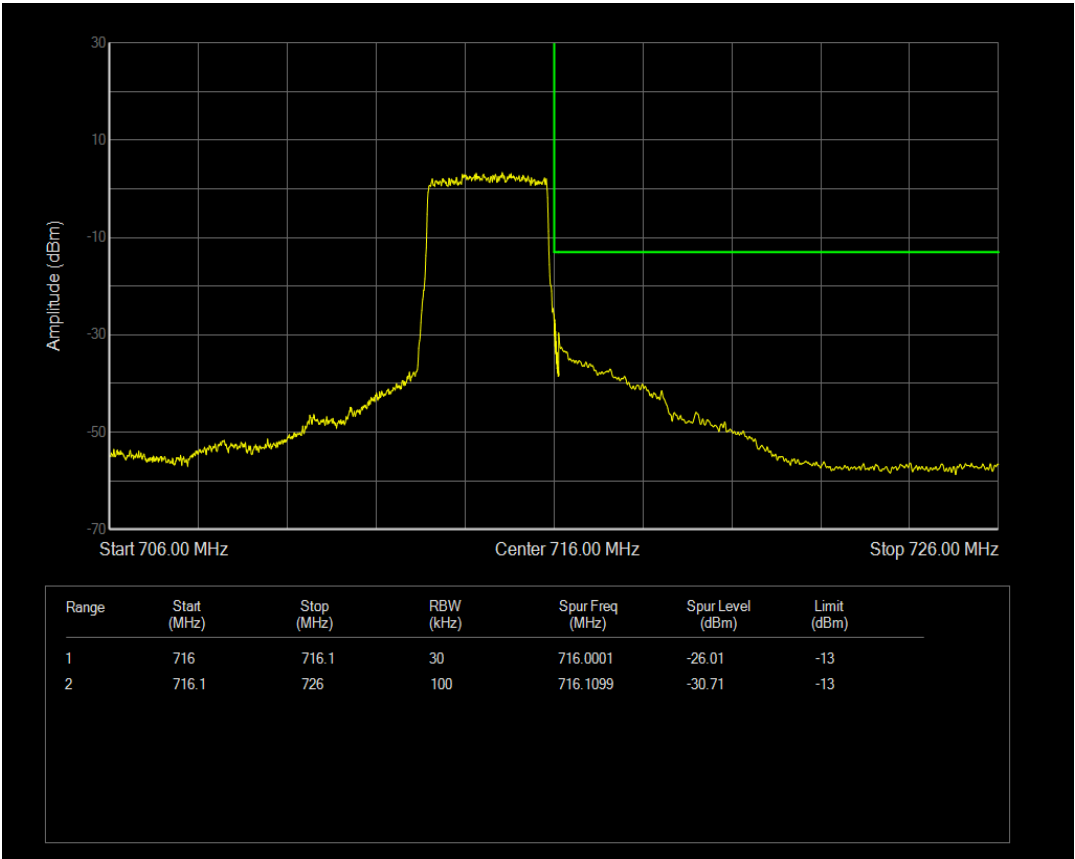
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



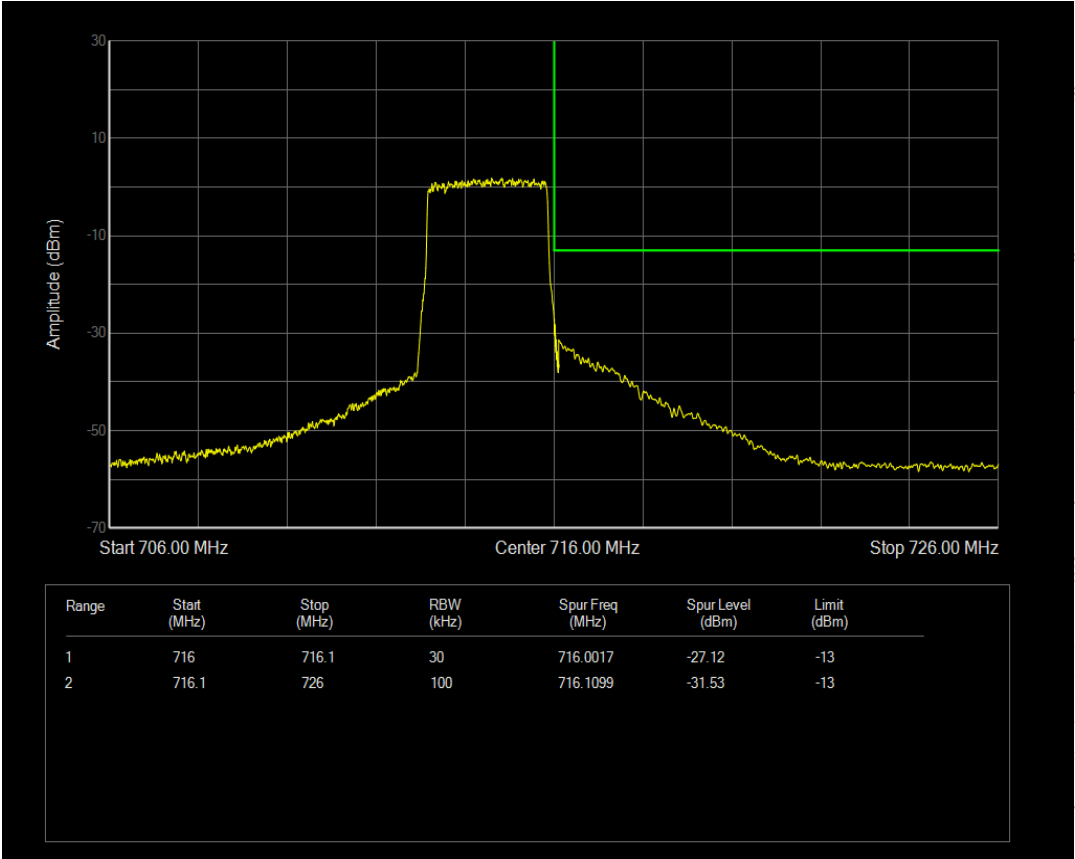
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



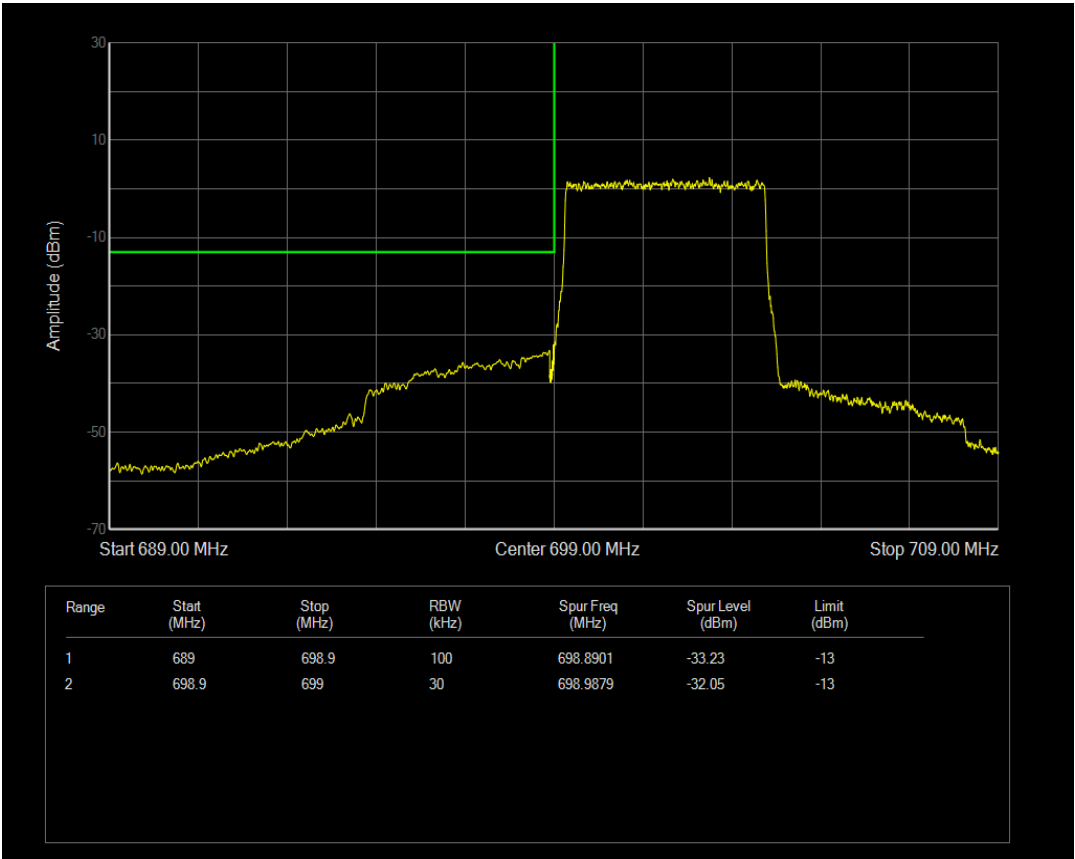
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



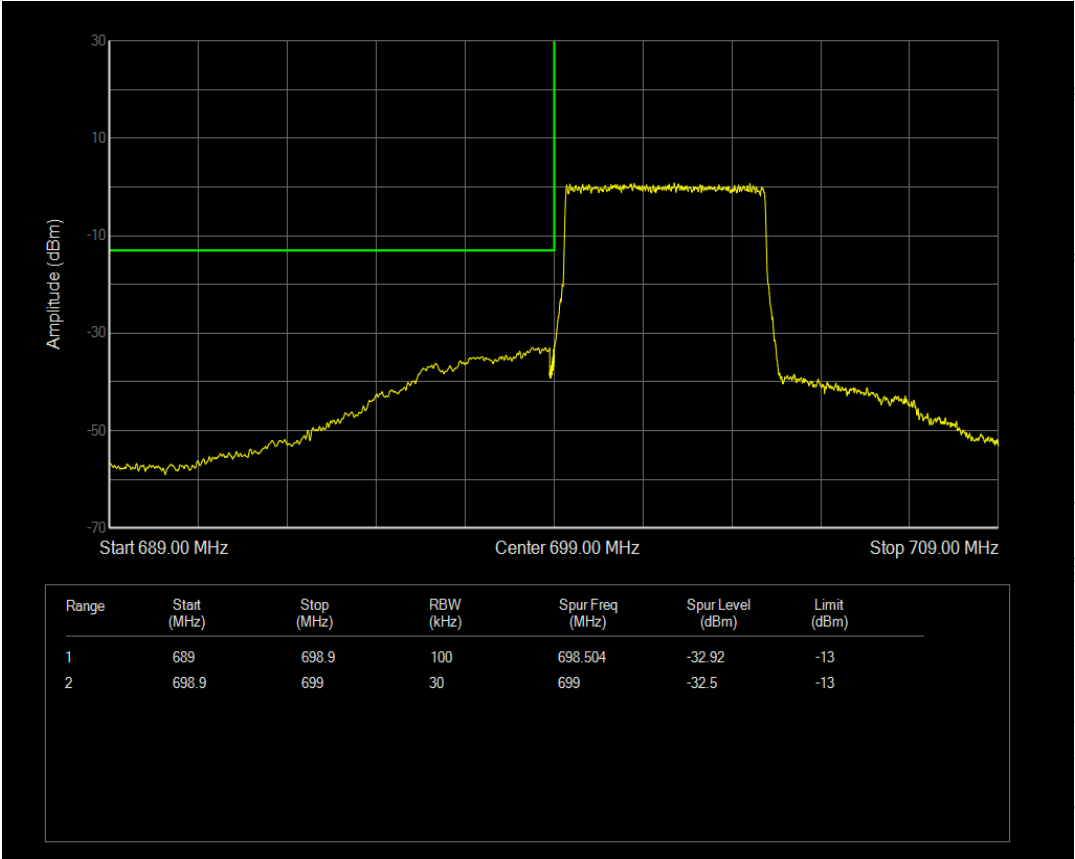
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



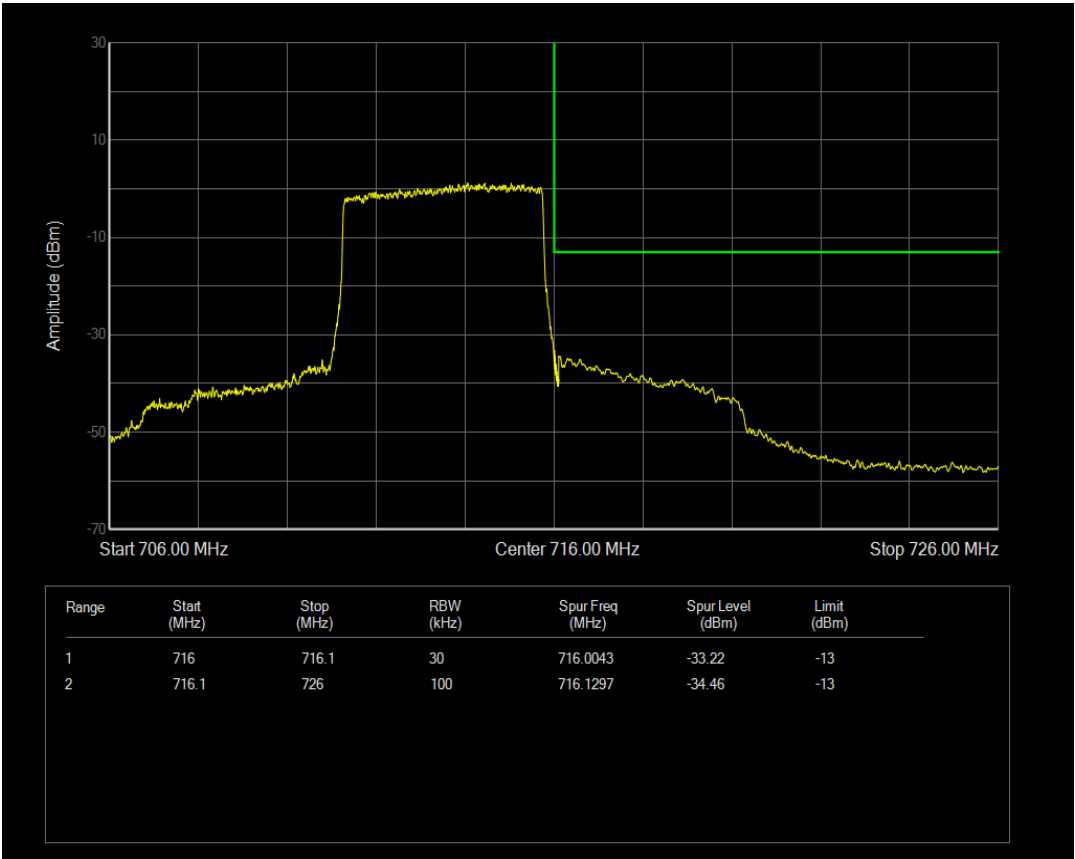
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



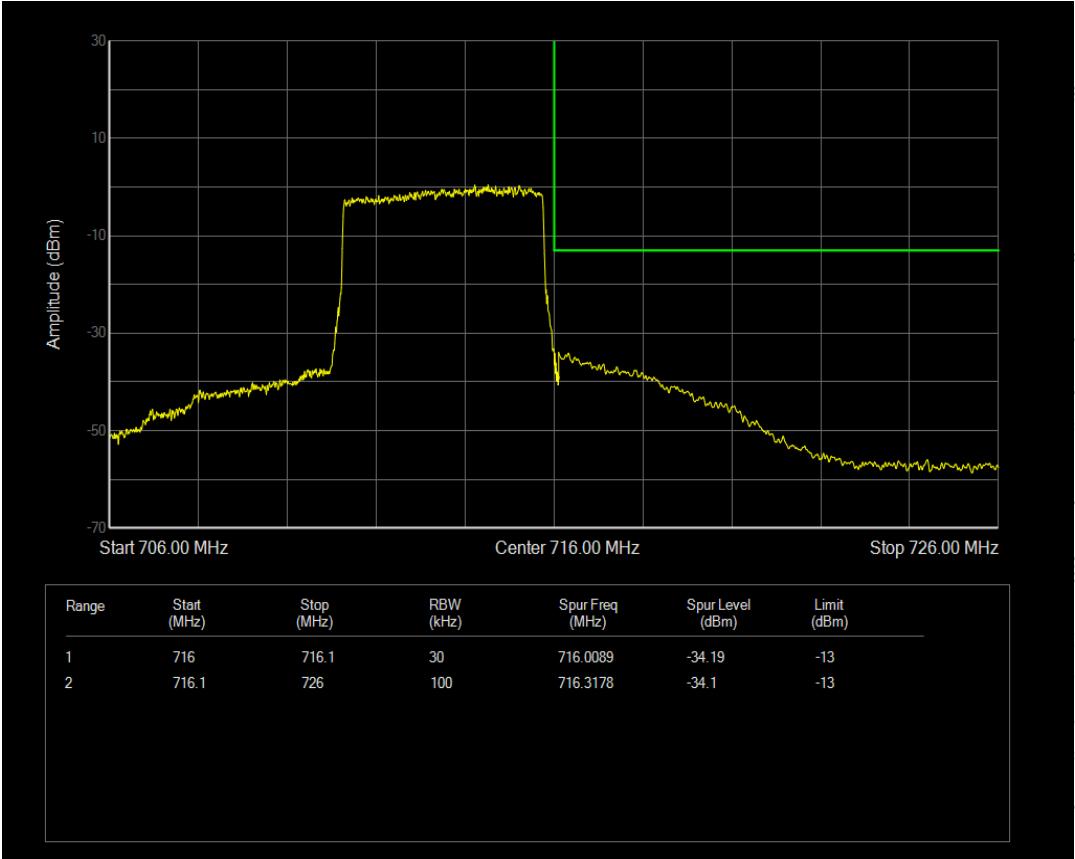
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



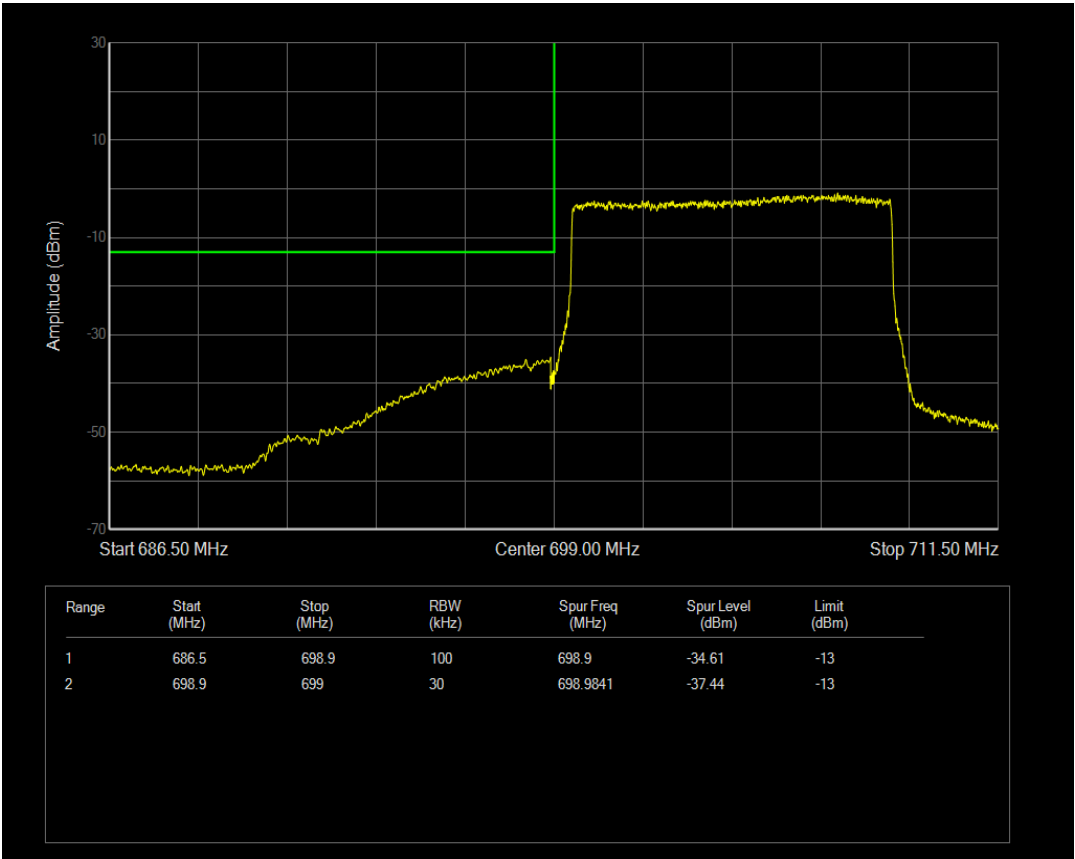
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



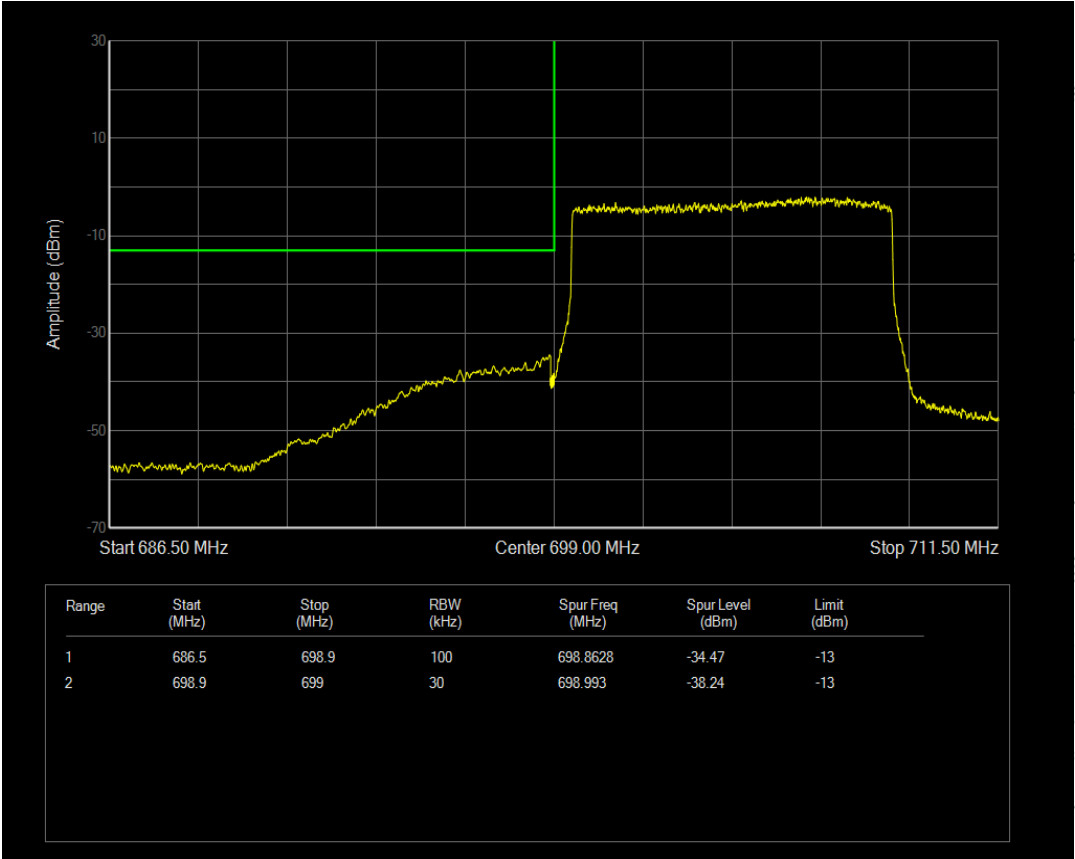
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



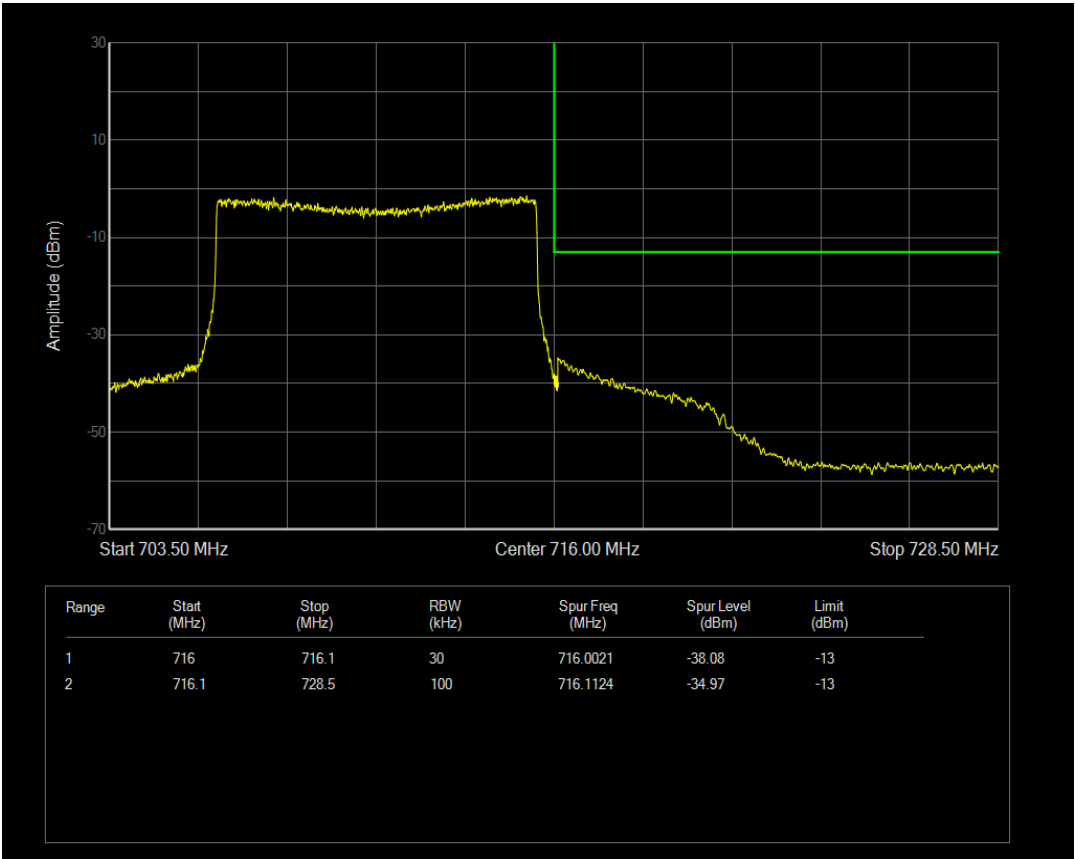
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



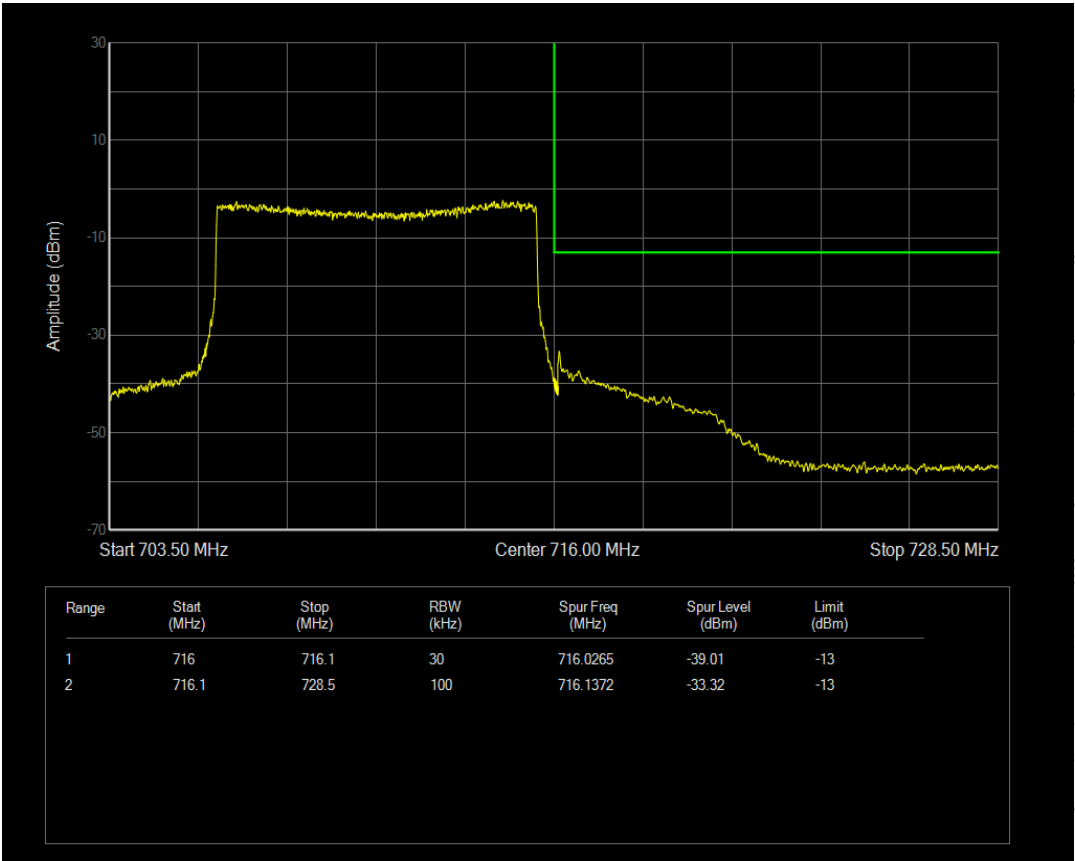
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



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



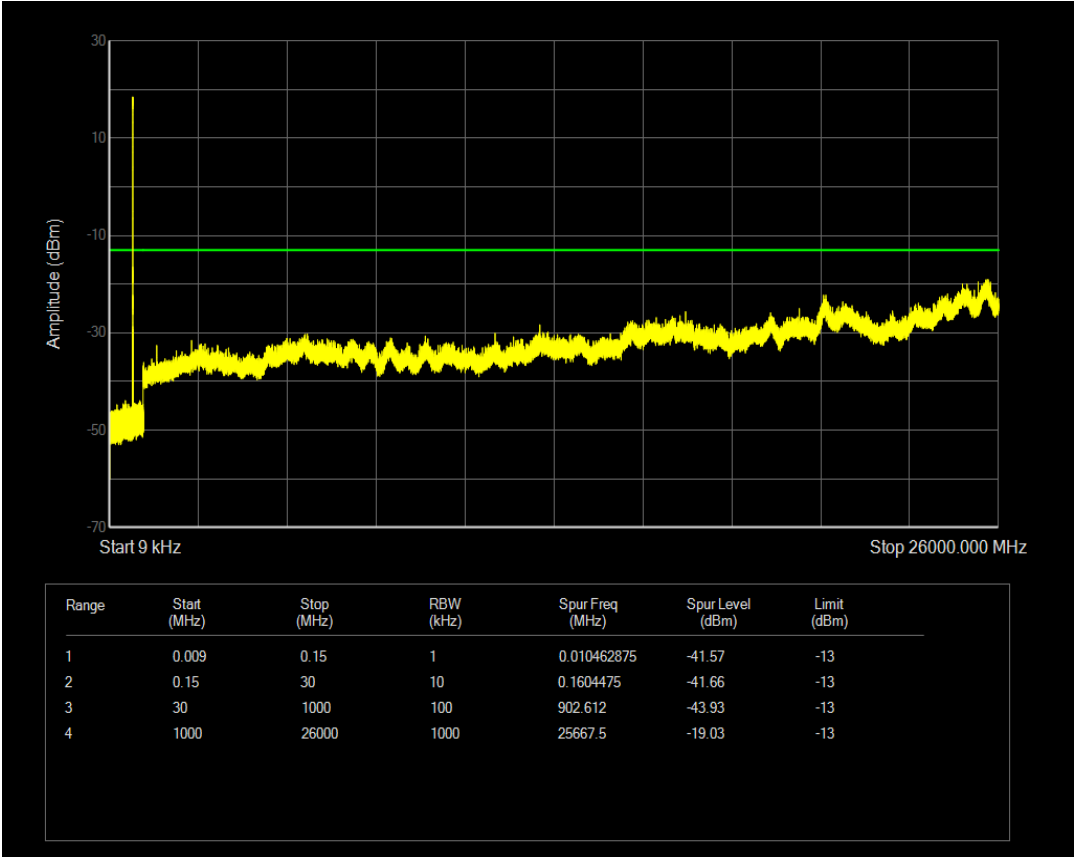
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



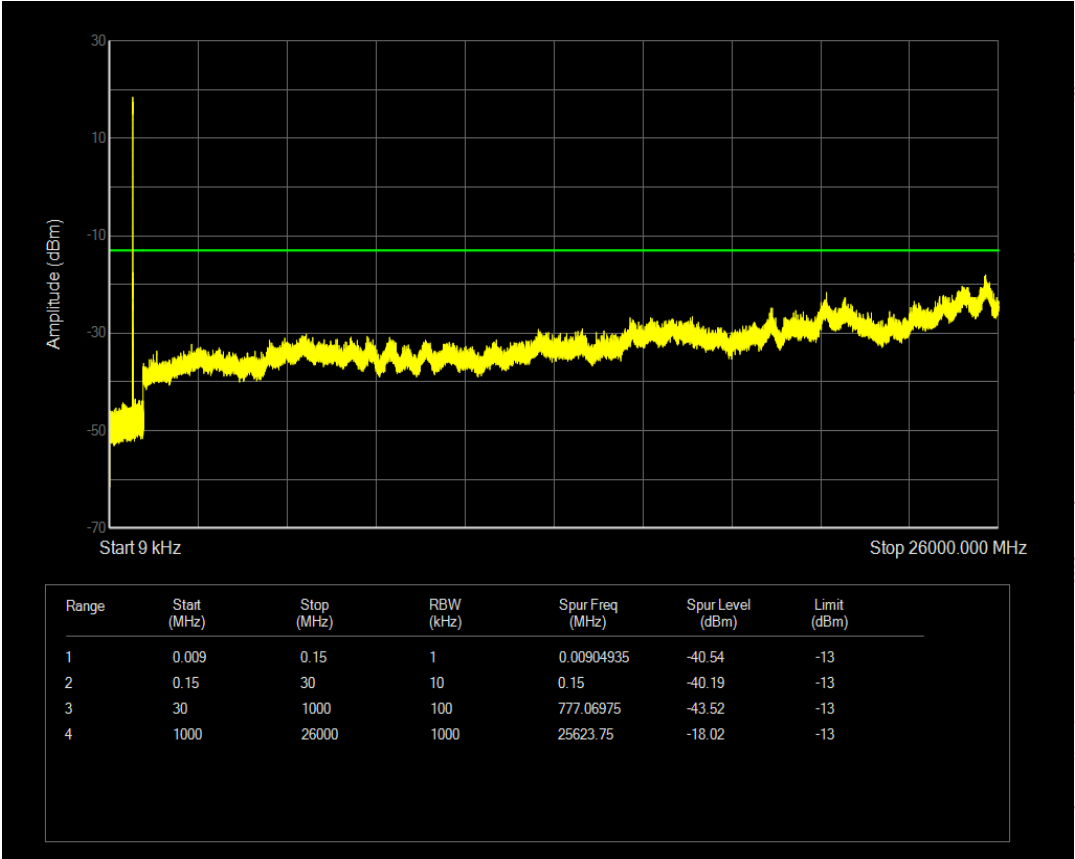
Appendix 6. Out-of-band emissions

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	25667.50	-19.03	-13	PASS
Band12	1.4	23017	6	#0	16QAM	25623.75	-18.02	-13	PASS
Band12	1.4	23095	6	#0	QPSK	25625.63	-17.28	-13	PASS
Band12	1.4	23095	6	#0	16QAM	25617.50	-18.73	-13	PASS
Band12	1.4	23173	6	#0	QPSK	25692.50	-17.92	-13	PASS
Band12	1.4	23173	6	#0	16QAM	25621.88	-18.34	-13	PASS
Band12	3	23025	15	#0	QPSK	25606.88	-18.26	-13	PASS
Band12	3	23025	15	#0	16QAM	25706.88	-18.50	-13	PASS
Band12	3	23095	15	#0	QPSK	25683.75	-18.05	-13	PASS
Band12	3	23095	15	#0	16QAM	25620.00	-18.18	-13	PASS
Band12	3	23165	15	#0	QPSK	25691.88	-17.46	-13	PASS
Band12	3	23165	15	#0	16QAM	25644.38	-18.59	-13	PASS
Band12	5	23035	25	#0	QPSK	25652.50	-18.19	-13	PASS
Band12	5	23035	25	#0	16QAM	25633.75	-18.25	-13	PASS
Band12	5	23095	25	#0	QPSK	25718.75	-17.68	-13	PASS
Band12	5	23095	25	#0	16QAM	25700.63	-18.32	-13	PASS
Band12	5	23155	25	#0	QPSK	25644.38	-18.11	-13	PASS
Band12	5	23155	25	#0	16QAM	25607.50	-18.36	-13	PASS
Band12	10	23060	50	#0	QPSK	25649.38	-18.78	-13	PASS
Band12	10	23060	50	#0	16QAM	25586.25	-18.33	-13	PASS
Band12	10	23095	50	#0	QPSK	25036.25	-18.70	-13	PASS
Band12	10	23095	50	#0	16QAM	25625.00	-18.56	-13	PASS
Band12	10	23130	50	#0	QPSK	25626.88	-17.79	-13	PASS
Band12	10	23130	50	#0	16QAM	25623.75	-18.83	-13	PASS

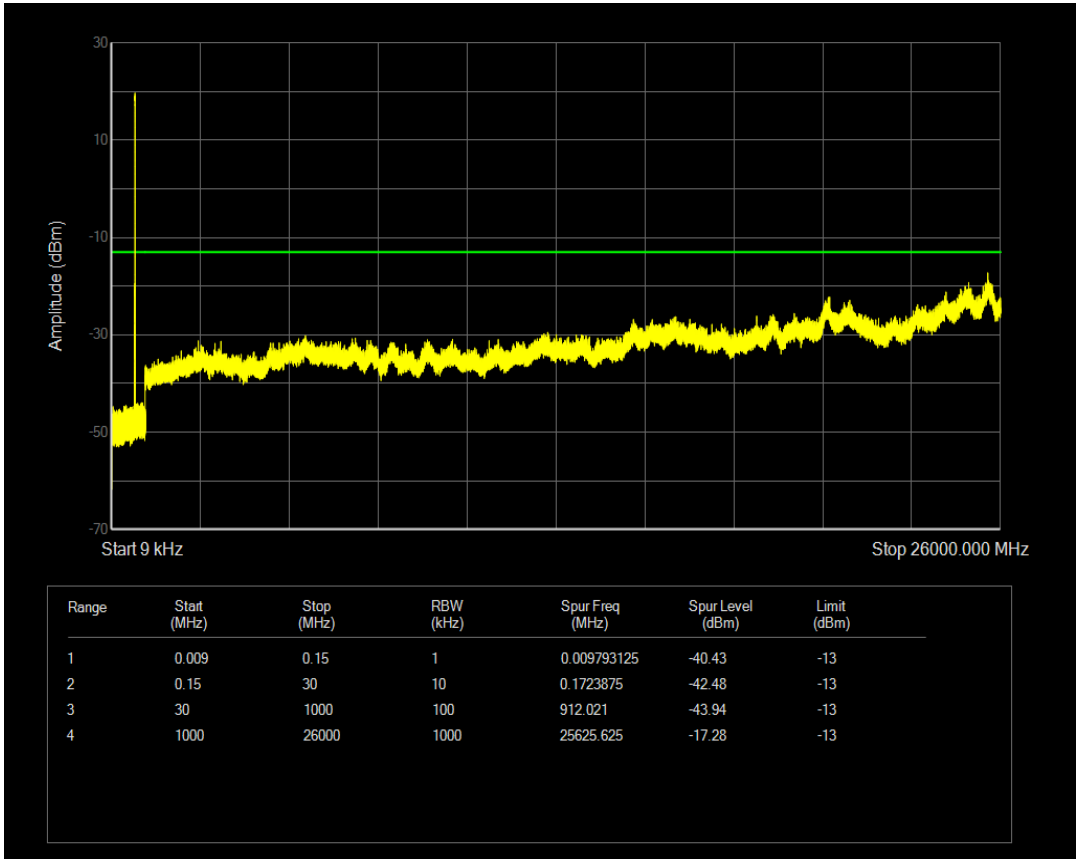
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



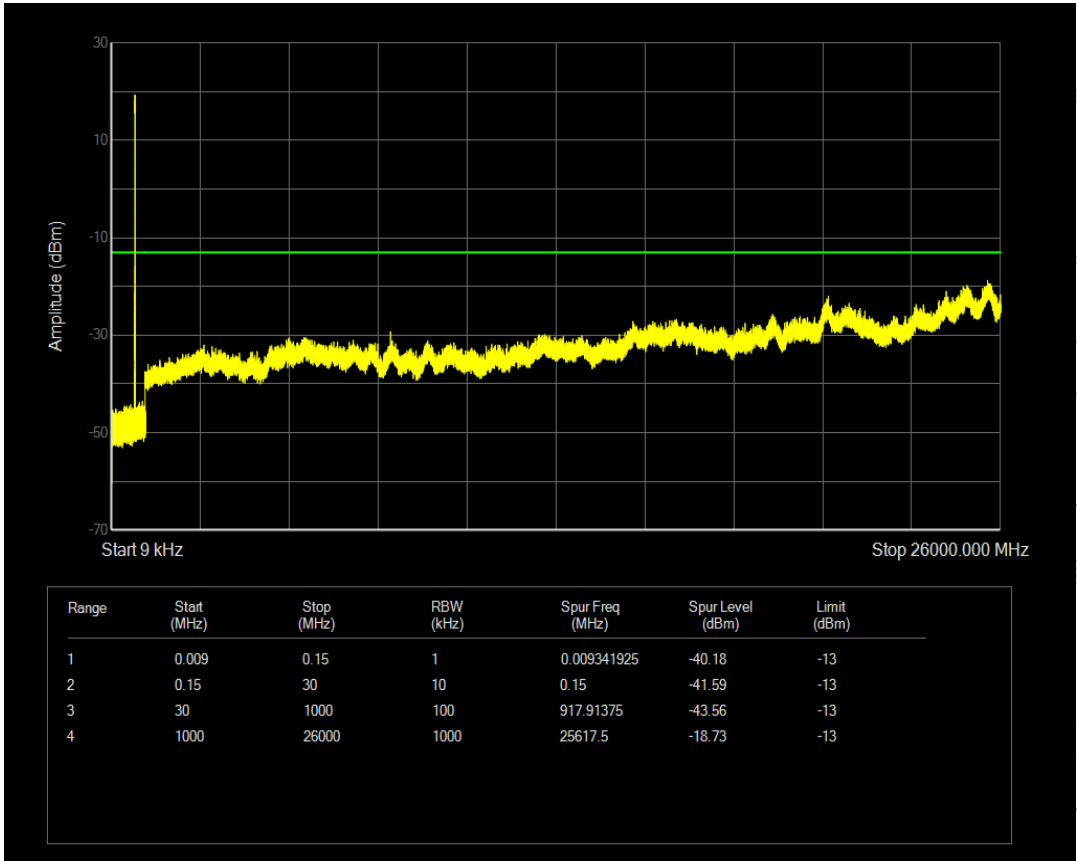
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



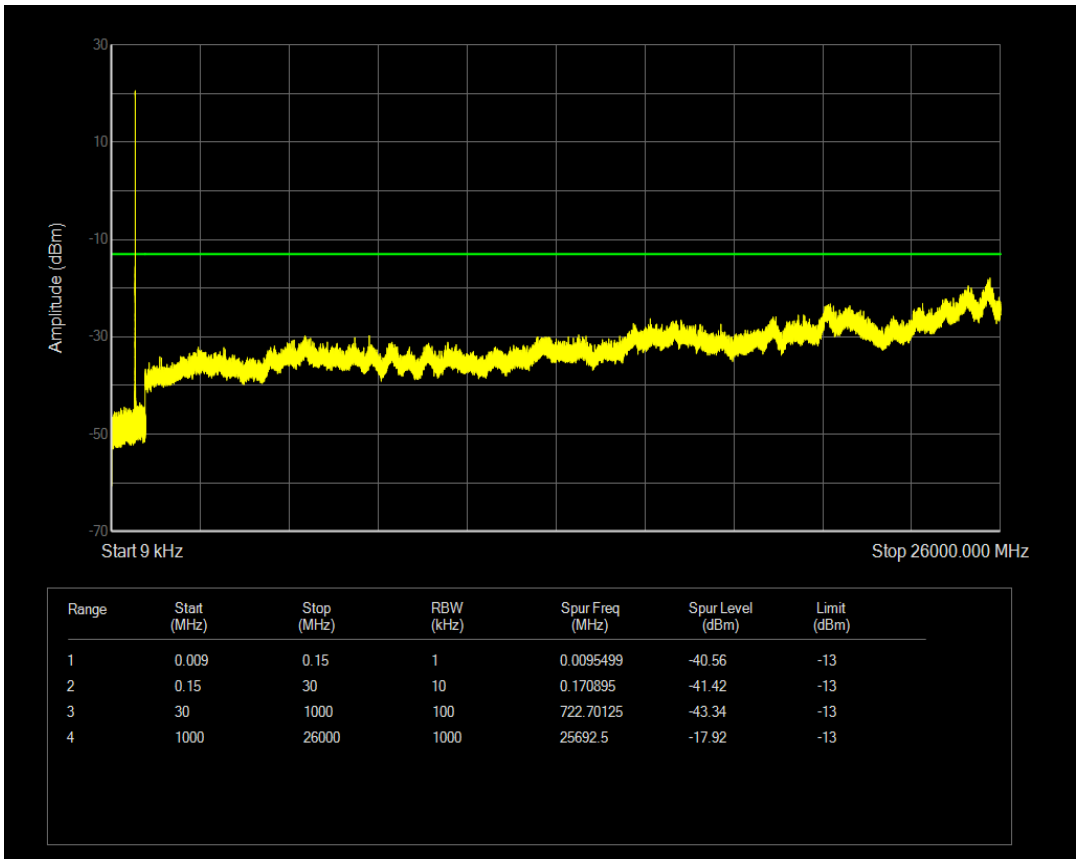
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



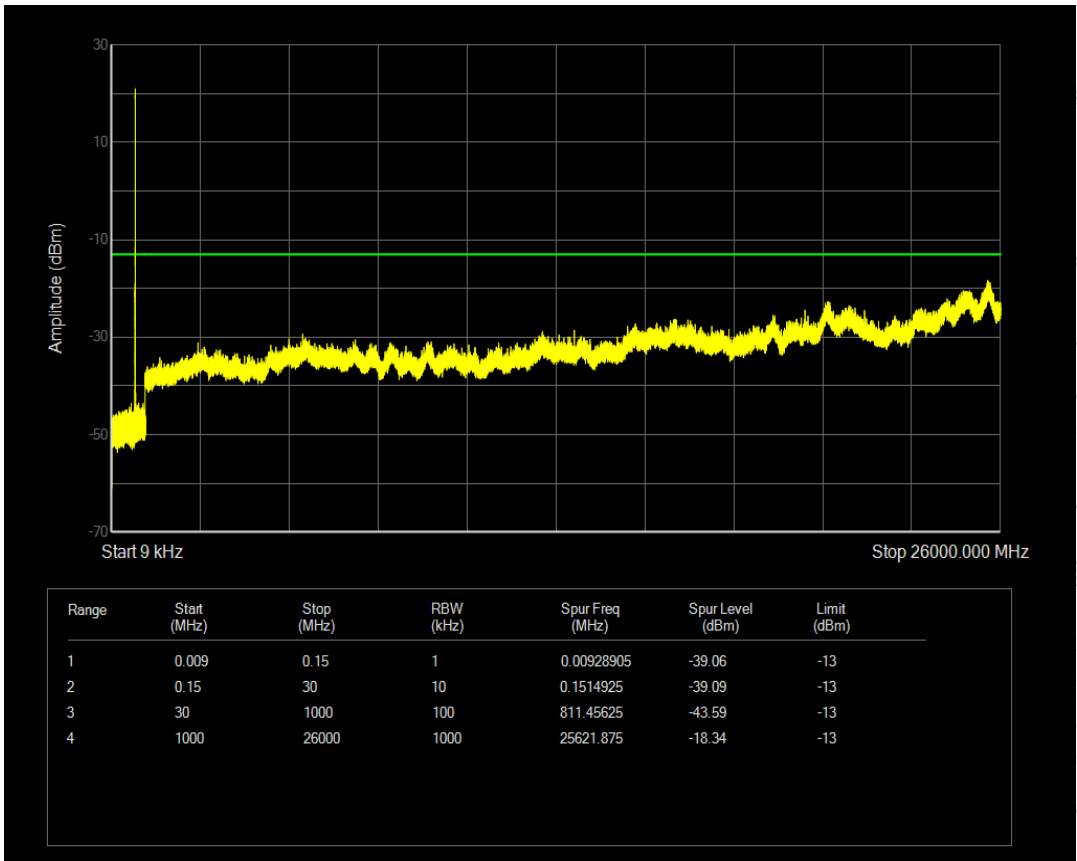
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



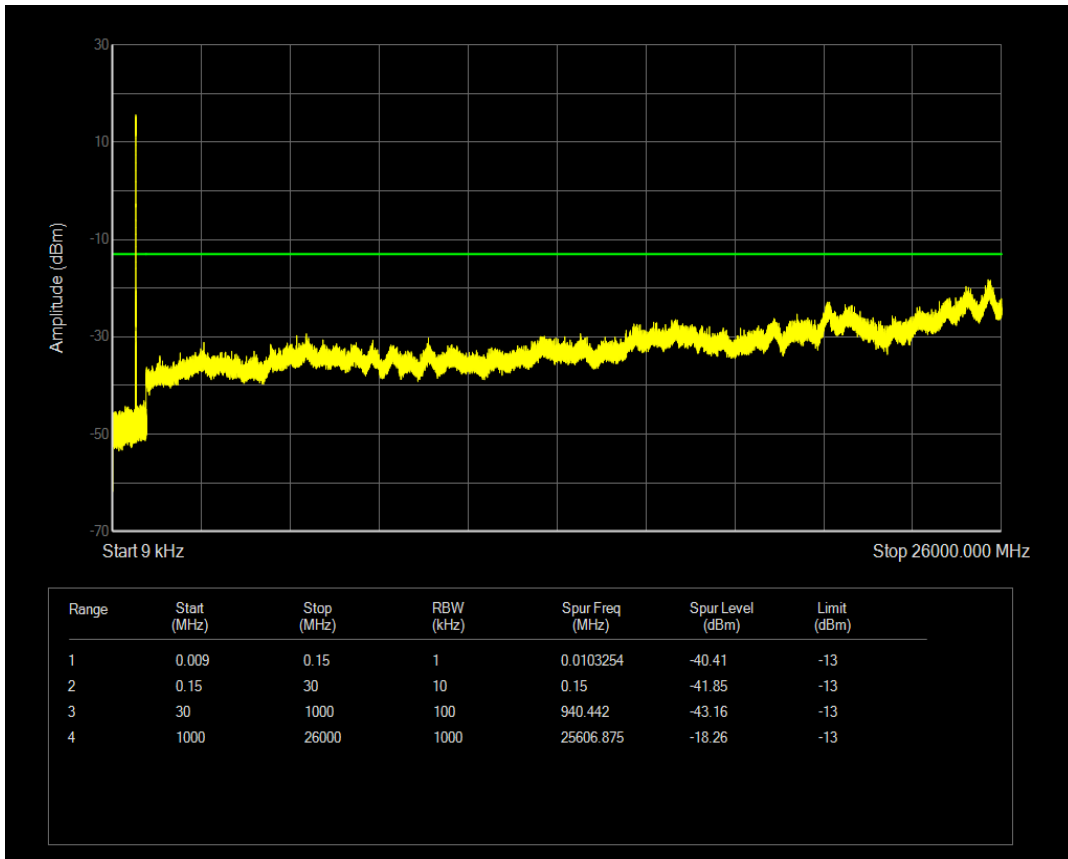
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



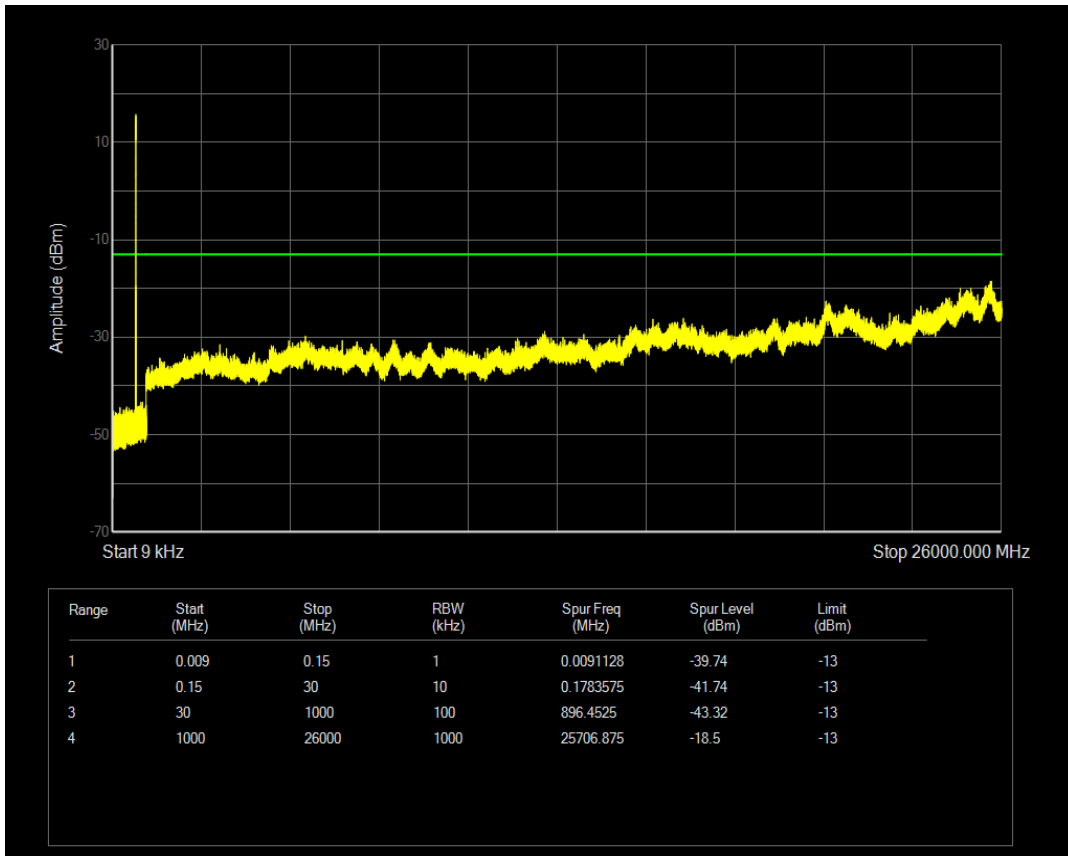
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



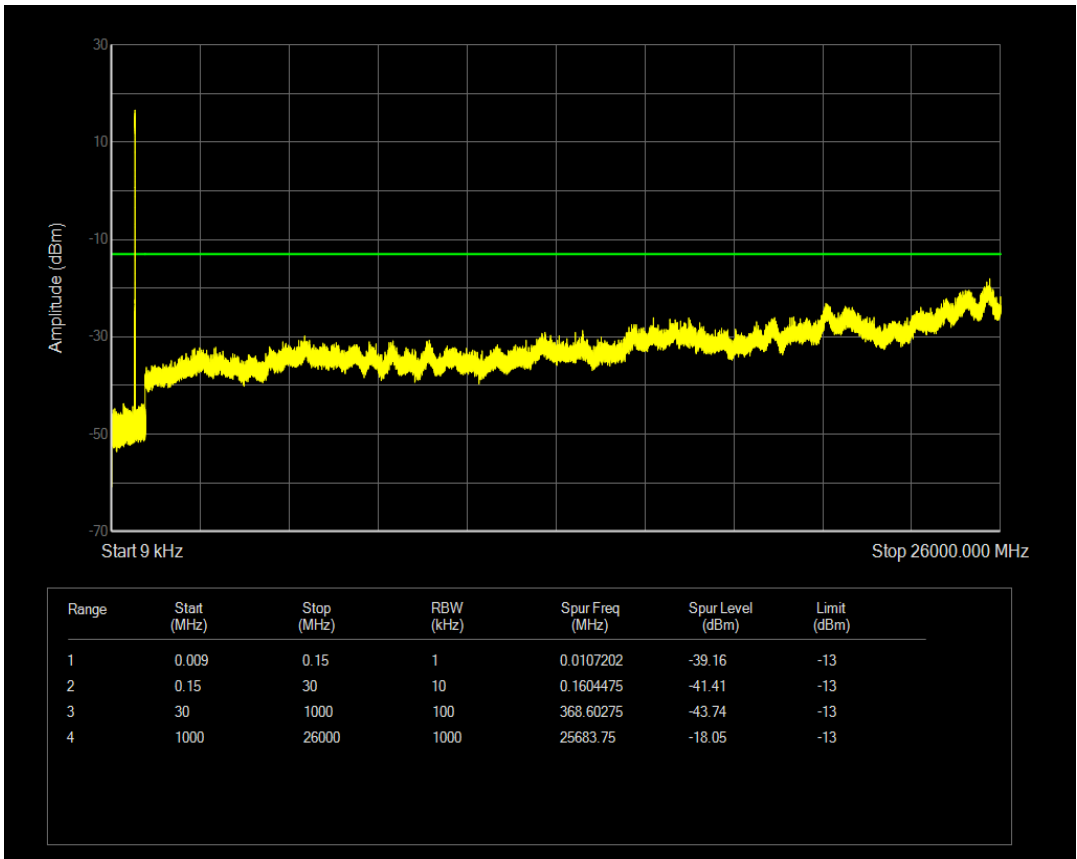
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



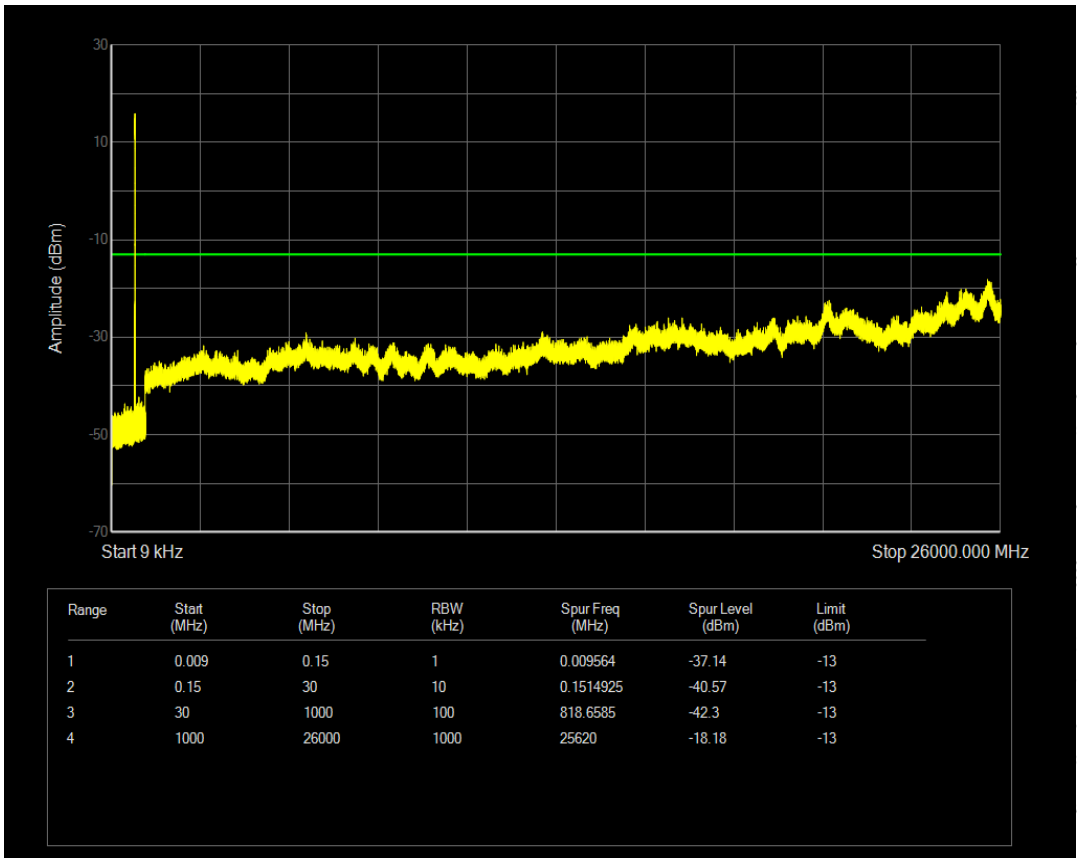
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



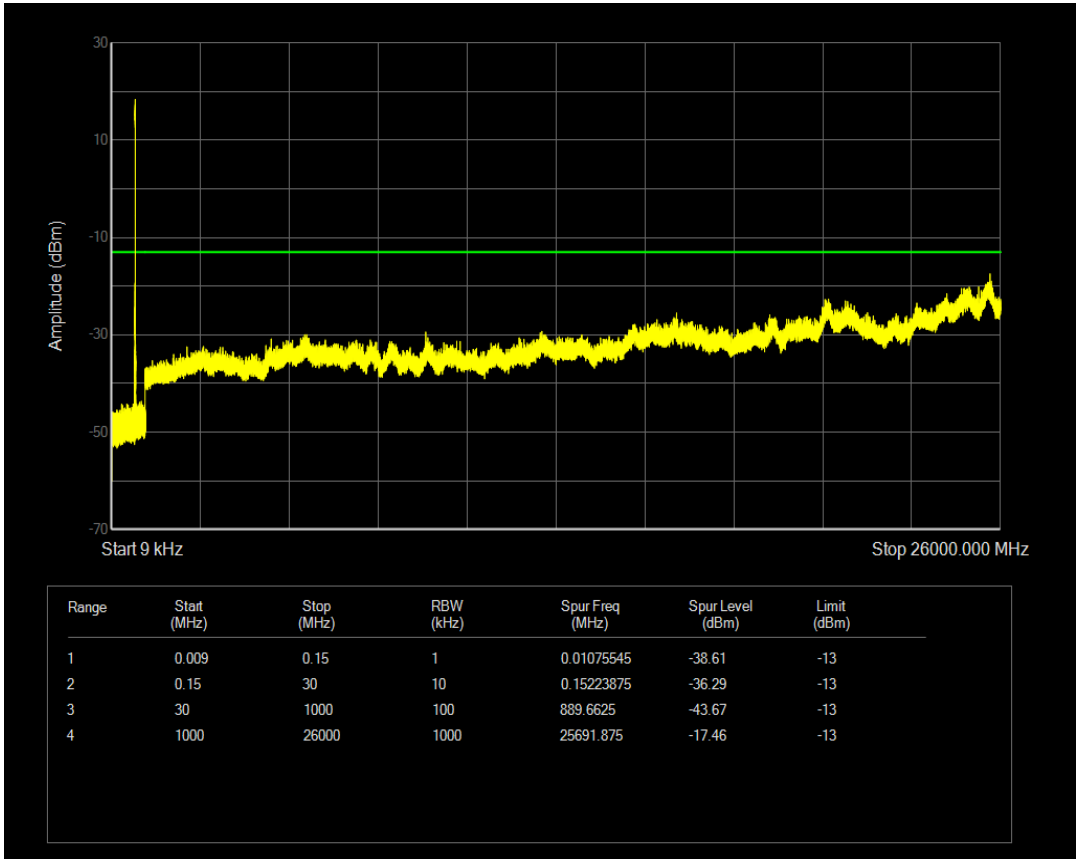
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



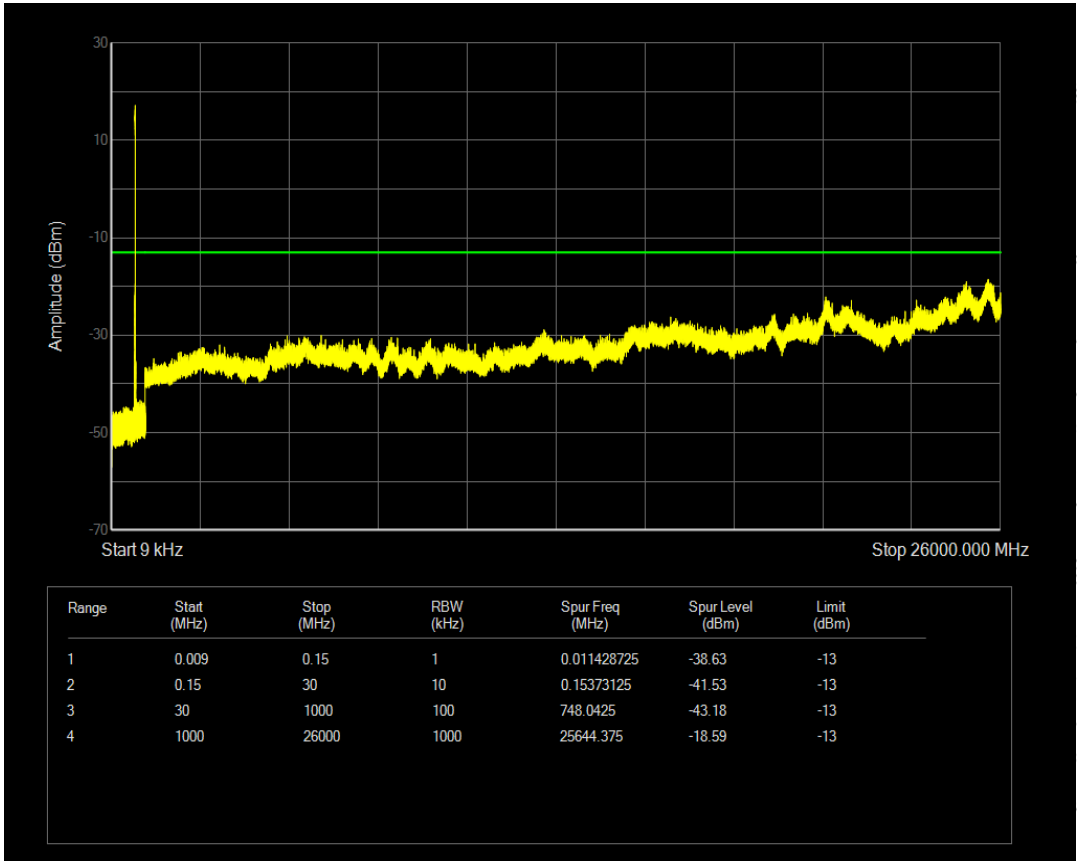
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



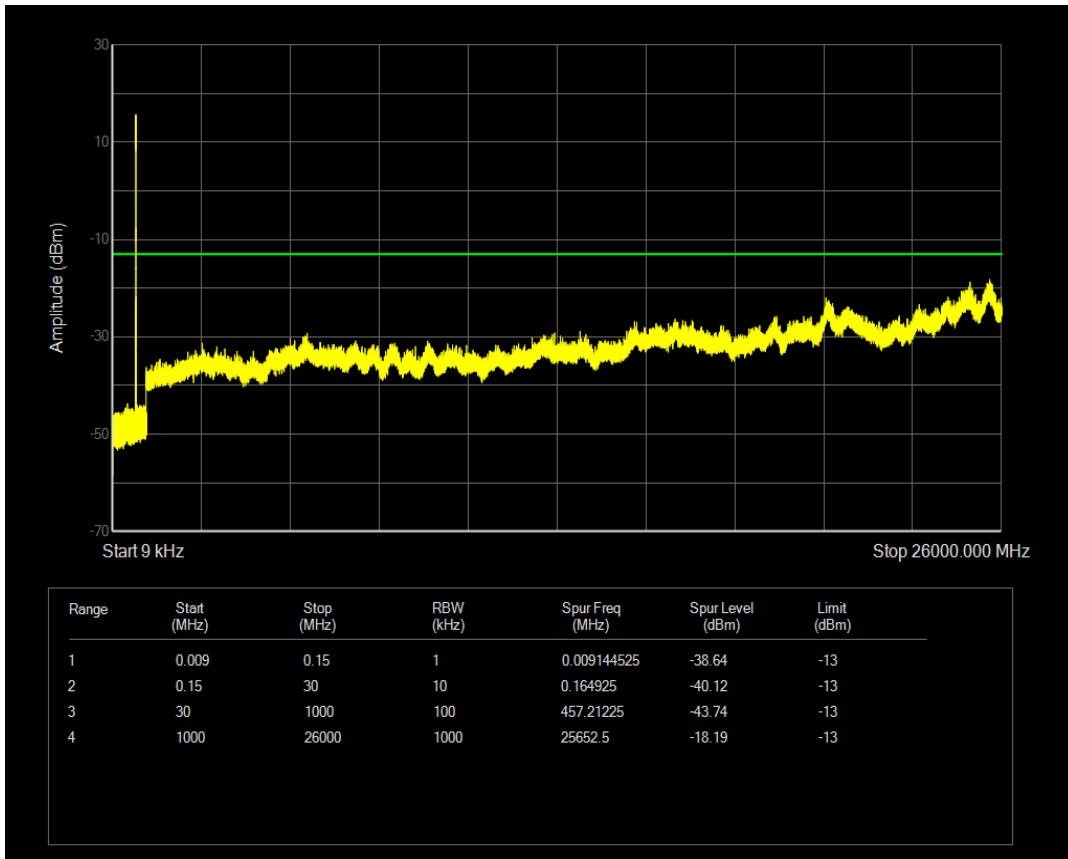
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



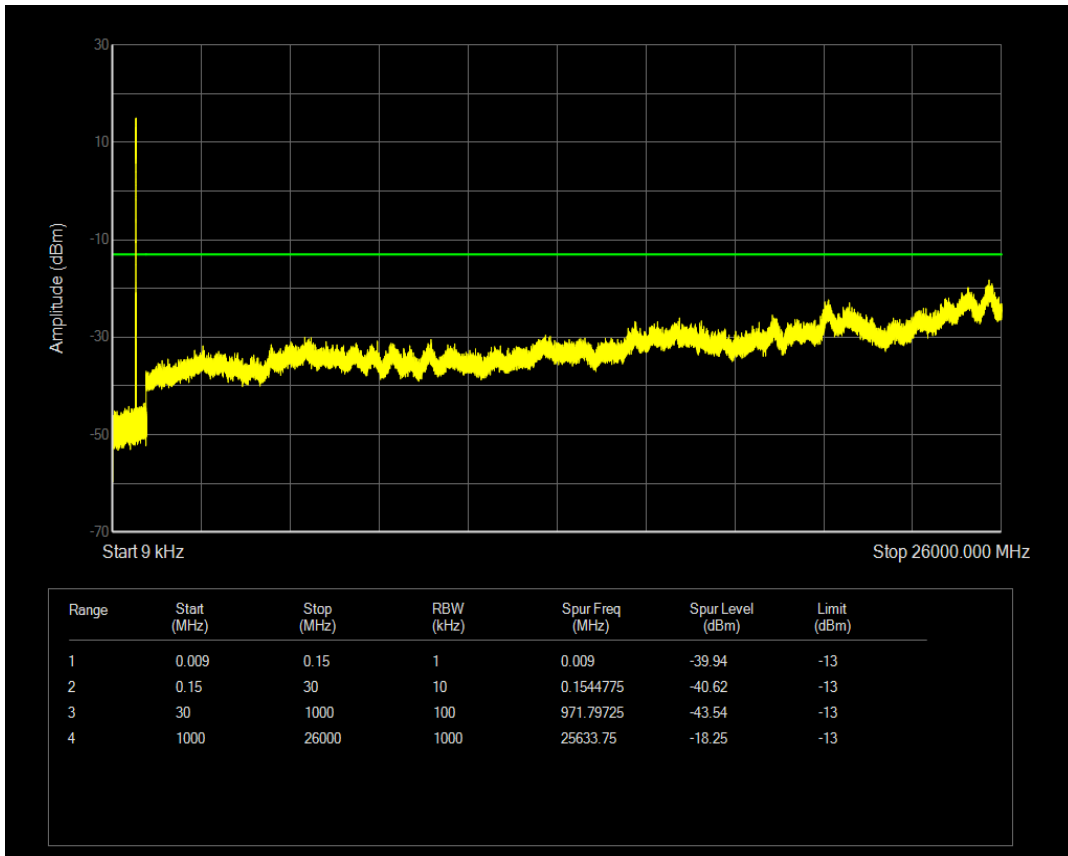
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



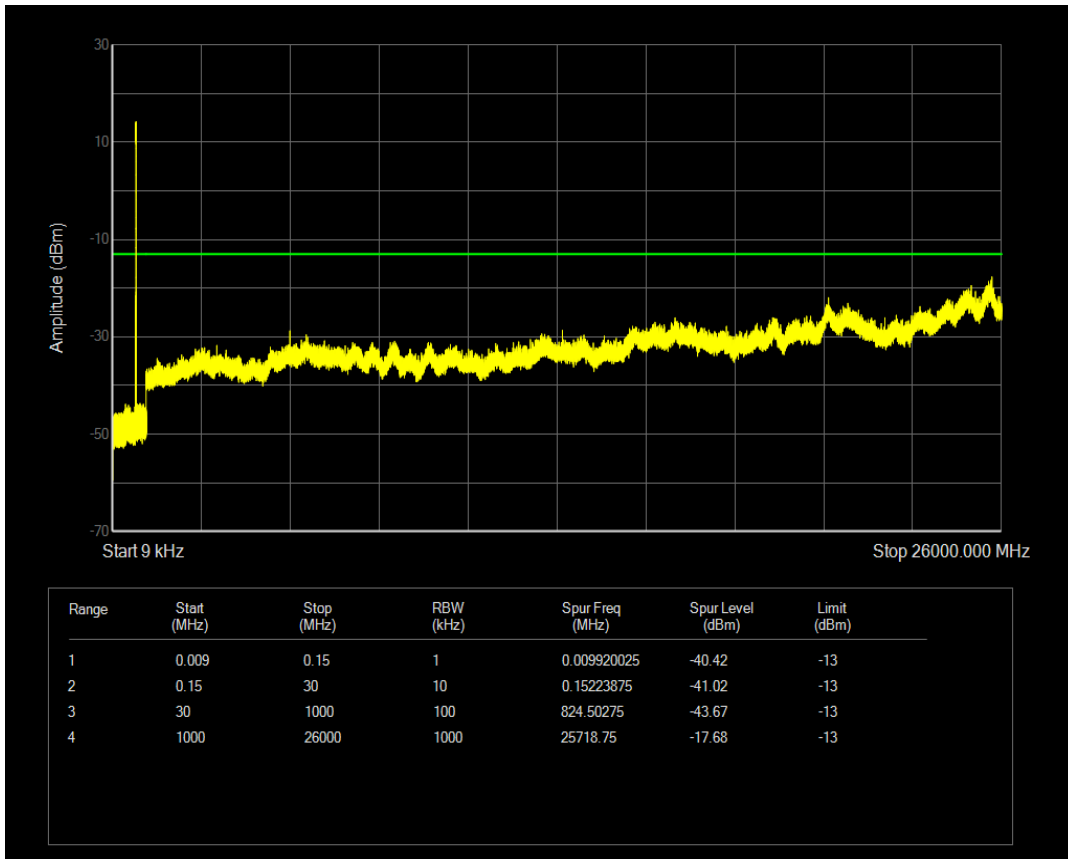
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



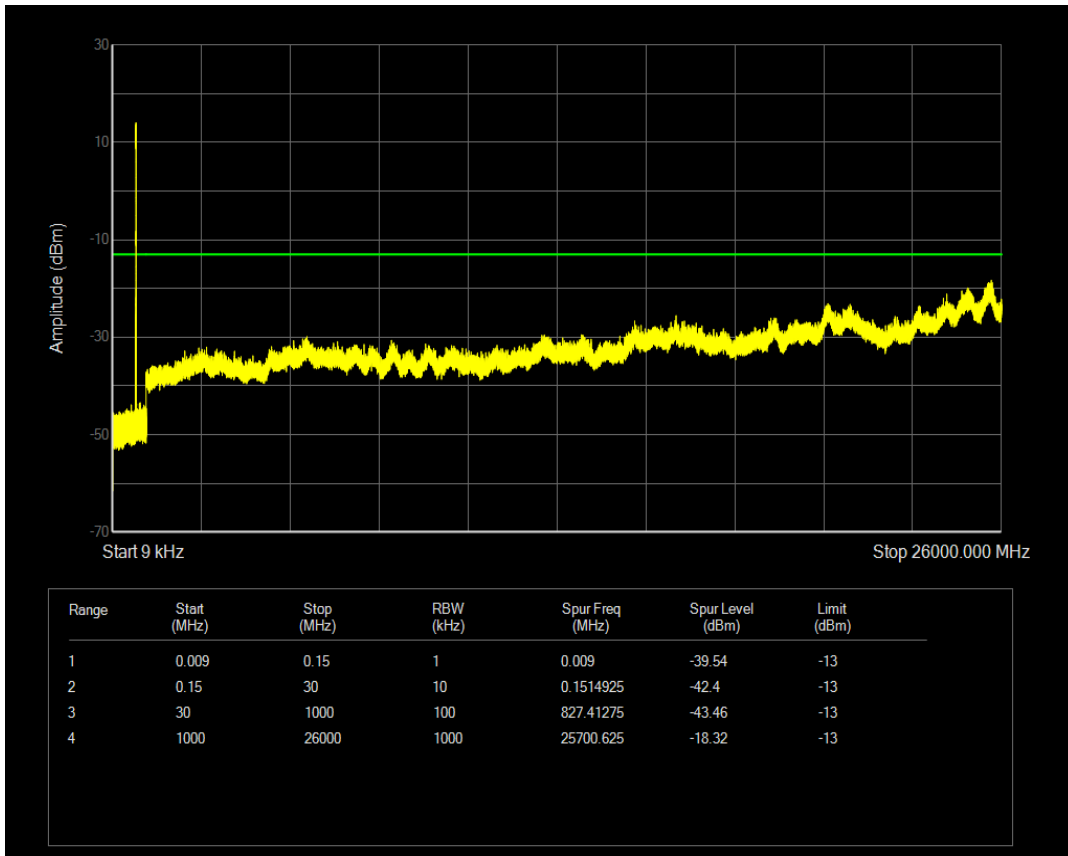
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



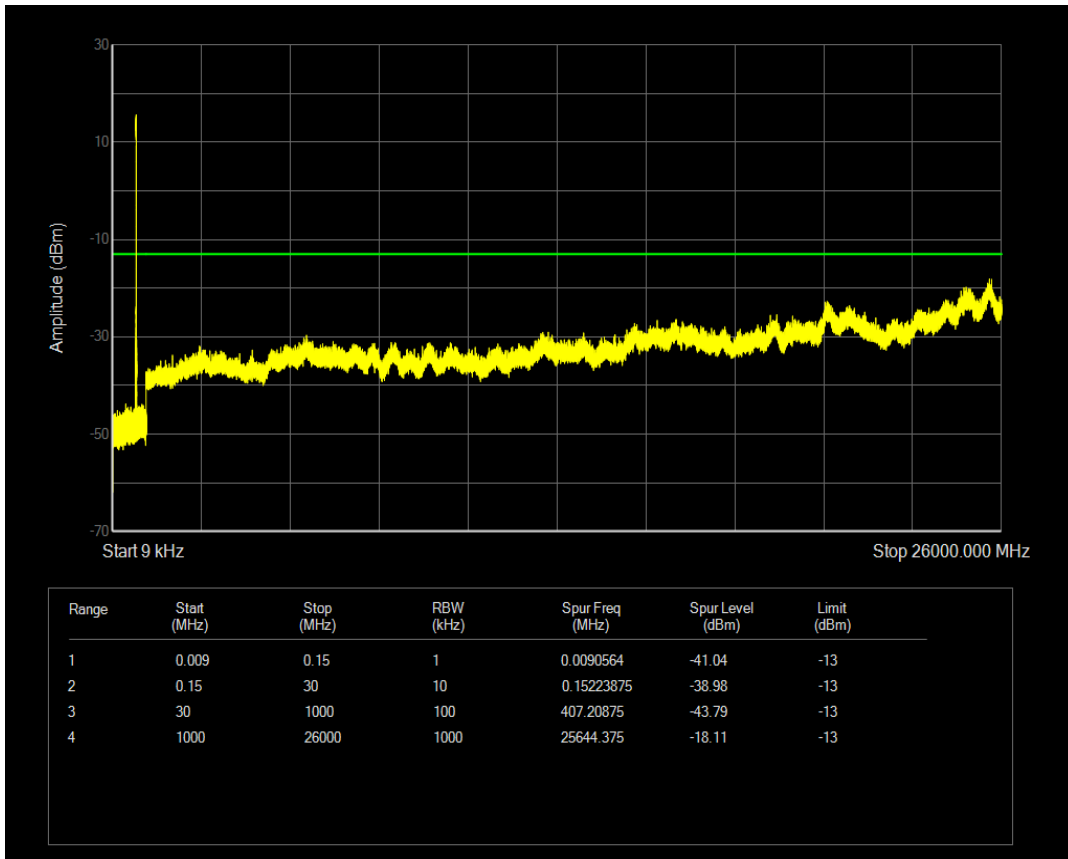
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



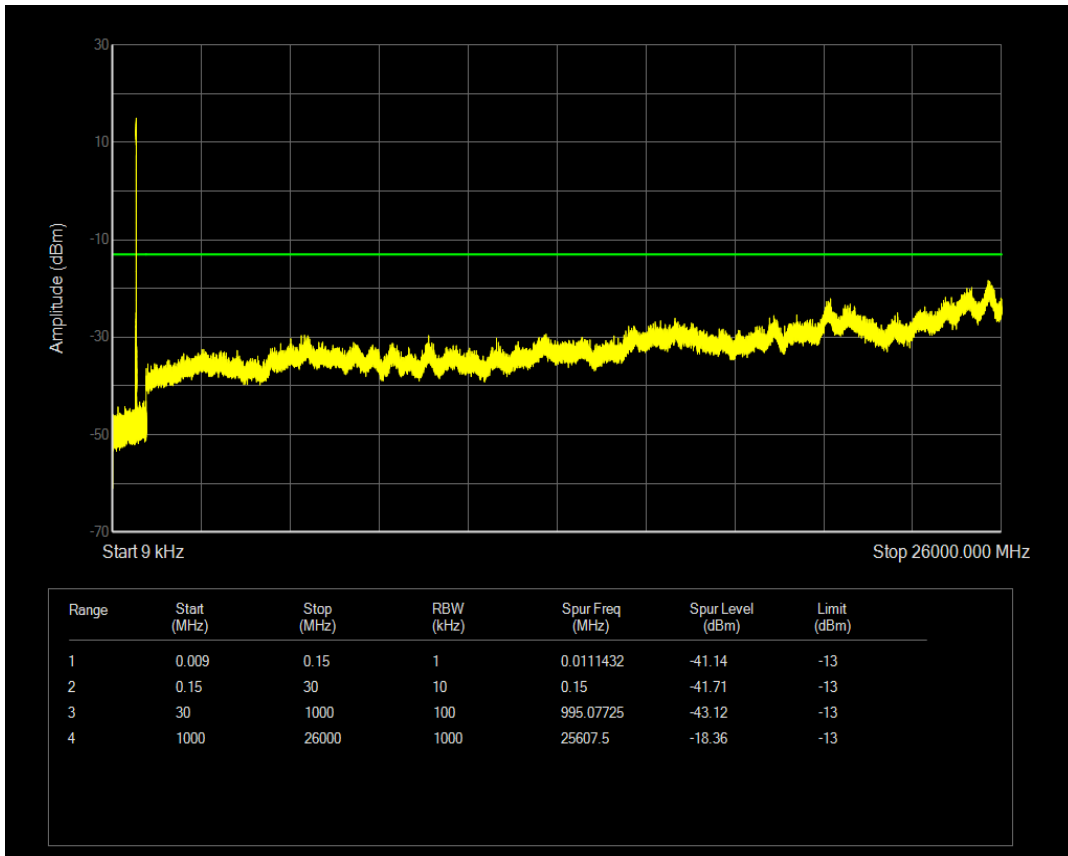
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



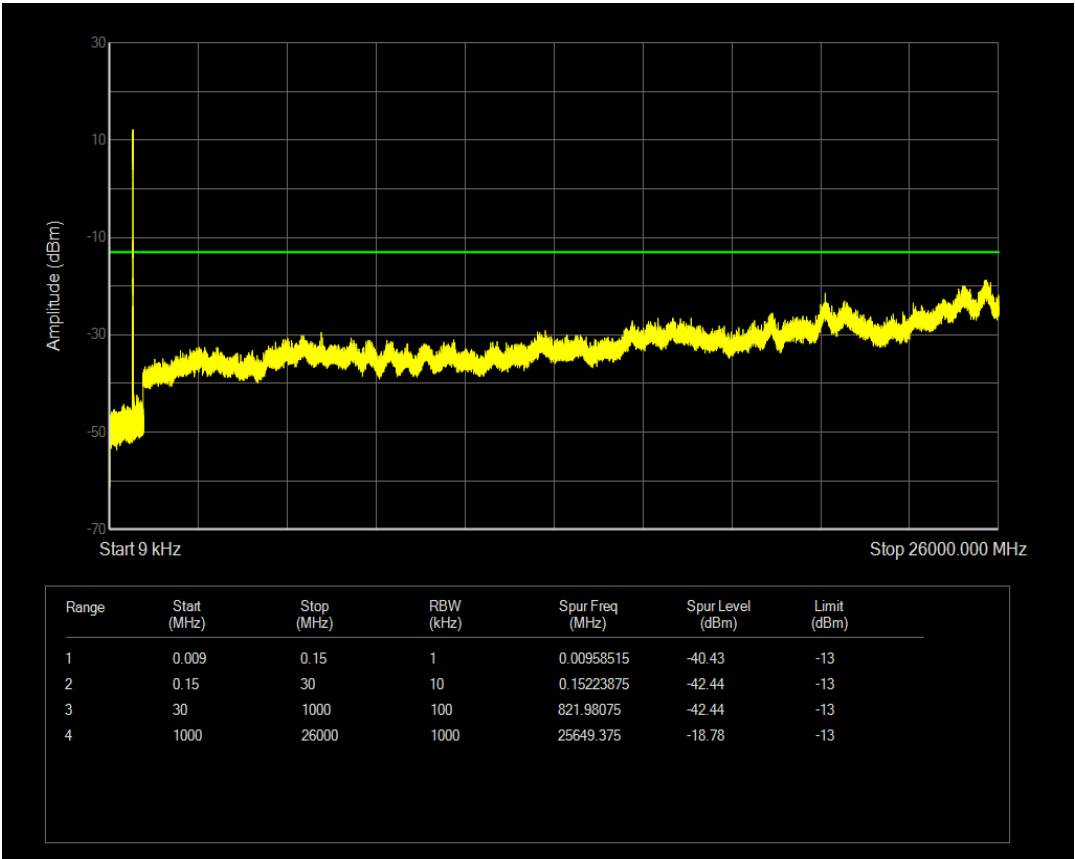
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



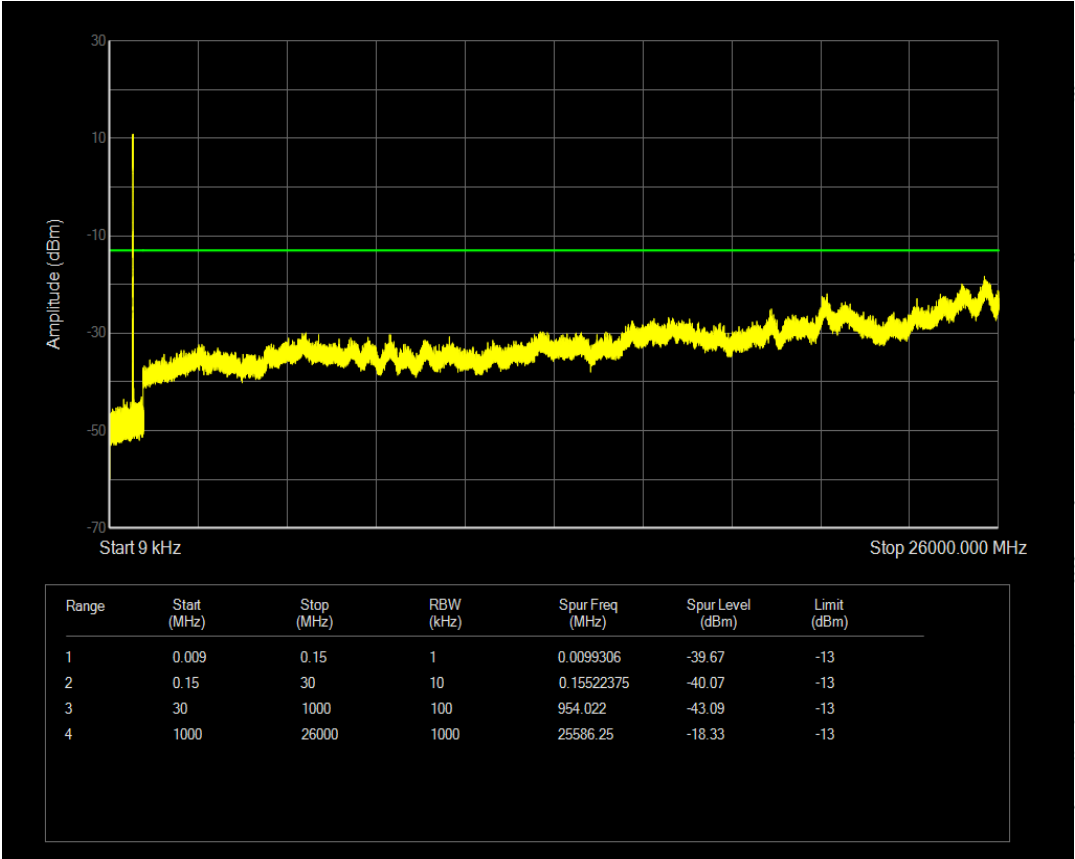
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



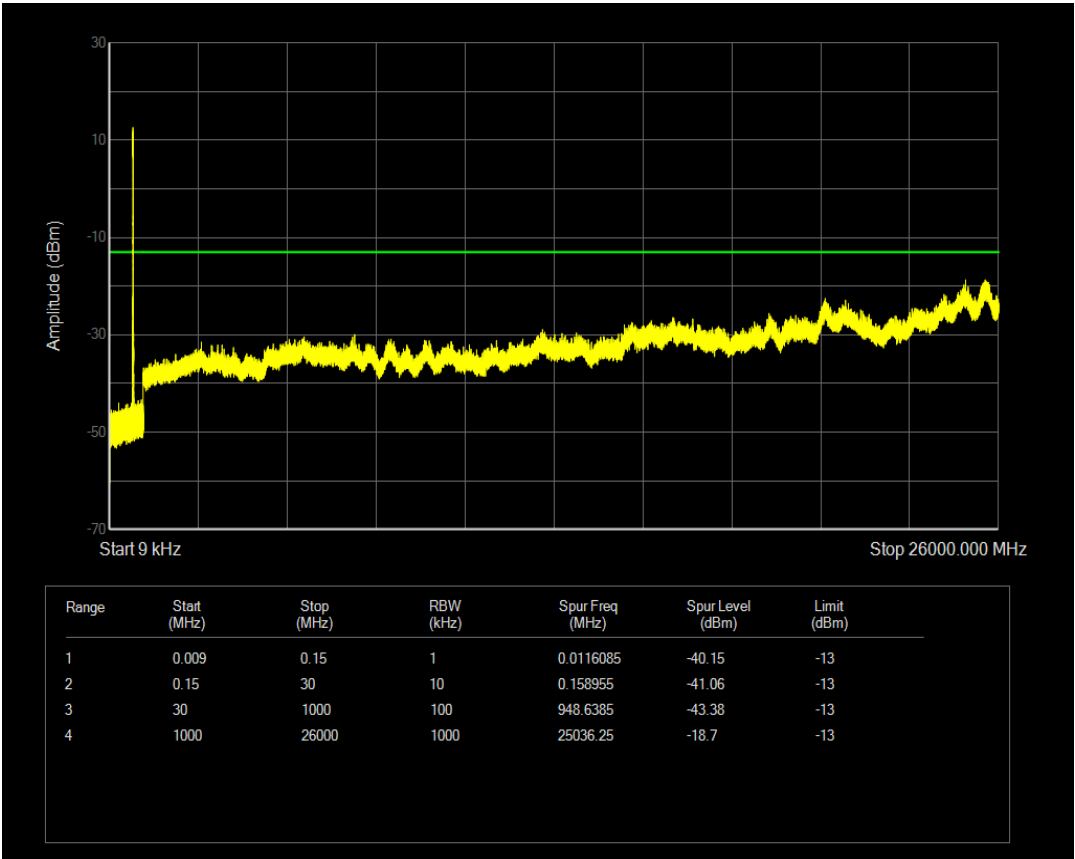
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



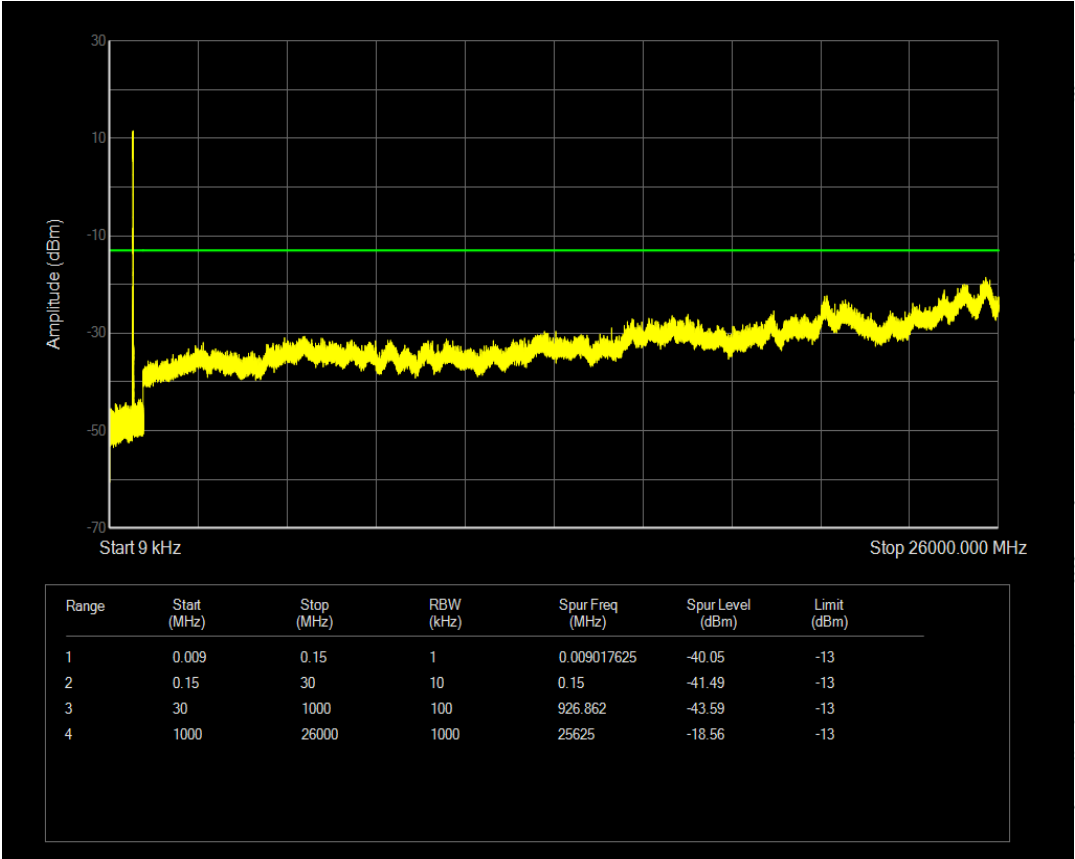
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



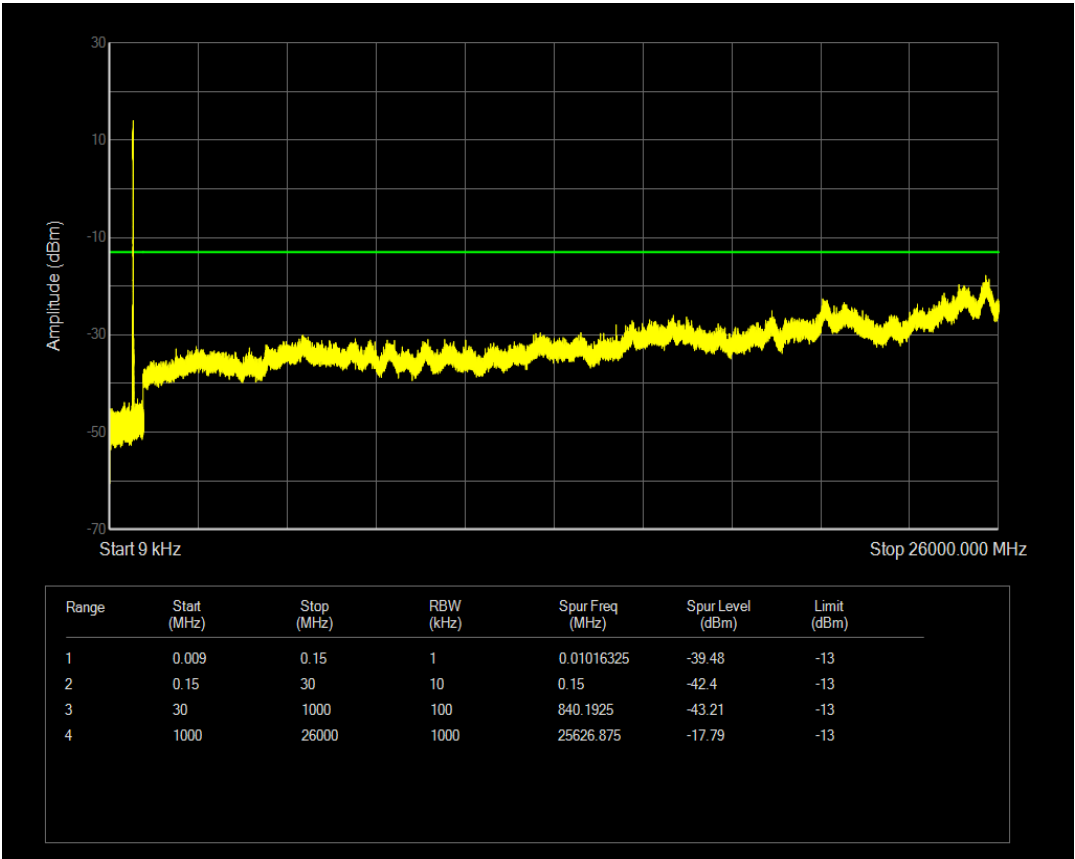
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



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

