

Appendix for Band 12

Report No.: BCTC2312704909-5E

Applicant: Shenzhen Swage Electronics Co.,Ltd.

Product Name: Smart watch

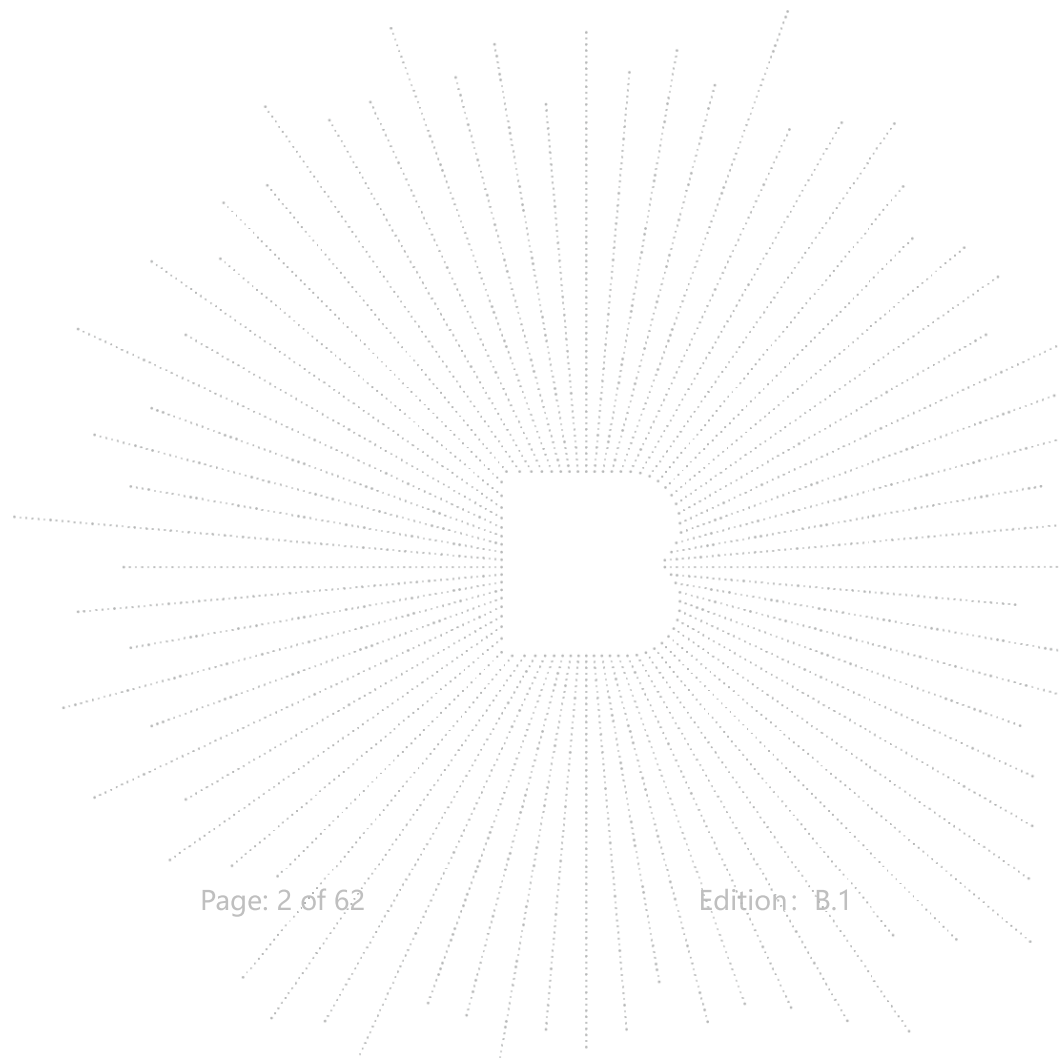
Test Model: D10

Tested Date: 2023-12-04 to 2023-12-18

Shenzhen BCTC Testing Co., Ltd.

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Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	22.23	0.74	20.82	PASS
Band12	1.4	23017	1	#Mid	QPSK	22.17	0.74	20.76	PASS
Band12	1.4	23017	1	#Max	QPSK	22.05	0.74	20.64	PASS
Band12	1.4	23017	3	#0	QPSK	22.11	0.74	20.70	PASS
Band12	1.4	23017	3	#Mid	QPSK	22.16	0.74	20.75	PASS
Band12	1.4	23017	3	#Max	QPSK	22.11	0.74	20.70	PASS
Band12	1.4	23017	6	#0	QPSK	21.27	0.74	19.86	PASS
Band12	1.4	23017	1	#0	16QAM	21.31	0.74	19.90	PASS
Band12	1.4	23017	1	#Mid	16QAM	21.29	0.74	19.88	PASS
Band12	1.4	23017	1	#Max	16QAM	21.22	0.74	19.81	PASS
Band12	1.4	23017	3	#0	16QAM	21.22	0.74	19.81	PASS
Band12	1.4	23017	3	#Mid	16QAM	21.24	0.74	19.83	PASS
Band12	1.4	23017	3	#Max	16QAM	21.10	0.74	19.69	PASS
Band12	1.4	23017	6	#0	16QAM	20.51	0.74	19.10	PASS
Band12	1.4	23095	1	#0	QPSK	22.16	0.74	20.75	PASS
Band12	1.4	23095	1	#Mid	QPSK	22.19	0.74	20.78	PASS
Band12	1.4	23095	1	#Max	QPSK	22.27	0.74	20.86	PASS
Band12	1.4	23095	3	#0	QPSK	22.09	0.74	20.68	PASS
Band12	1.4	23095	3	#Mid	QPSK	22.06	0.74	20.65	PASS
Band12	1.4	23095	3	#Max	QPSK	22.08	0.74	20.67	PASS
Band12	1.4	23095	6	#0	QPSK	20.85	0.74	19.44	PASS
Band12	1.4	23095	1	#0	16QAM	21.97	0.74	20.56	PASS
Band12	1.4	23095	1	#Mid	16QAM	21.78	0.74	20.37	PASS
Band12	1.4	23095	1	#Max	16QAM	21.74	0.74	20.33	PASS
Band12	1.4	23095	3	#0	16QAM	21.21	0.74	19.80	PASS
Band12	1.4	23095	3	#Mid	16QAM	21.19	0.74	19.78	PASS
Band12	1.4	23095	3	#Max	16QAM	21.23	0.74	19.82	PASS
Band12	1.4	23095	6	#0	16QAM	19.97	0.74	18.56	PASS
Band12	1.4	23173	1	#0	QPSK	22.13	0.74	20.72	PASS
Band12	1.4	23173	1	#Mid	QPSK	22.27	0.74	20.86	PASS
Band12	1.4	23173	1	#Max	QPSK	22.14	0.74	20.73	PASS
Band12	1.4	23173	3	#0	QPSK	22.07	0.74	20.66	PASS
Band12	1.4	23173	3	#Mid	QPSK	22.06	0.74	20.65	PASS
Band12	1.4	23173	3	#Max	QPSK	22.00	0.74	20.59	PASS
Band12	1.4	23173	6	#0	QPSK	20.97	0.74	19.56	PASS
Band12	1.4	23173	1	#0	16QAM	22.05	0.74	20.64	PASS
Band12	1.4	23173	1	#Mid	16QAM	22.00	0.74	20.59	PASS
Band12	1.4	23173	1	#Max	16QAM	22.00	0.74	20.59	PASS

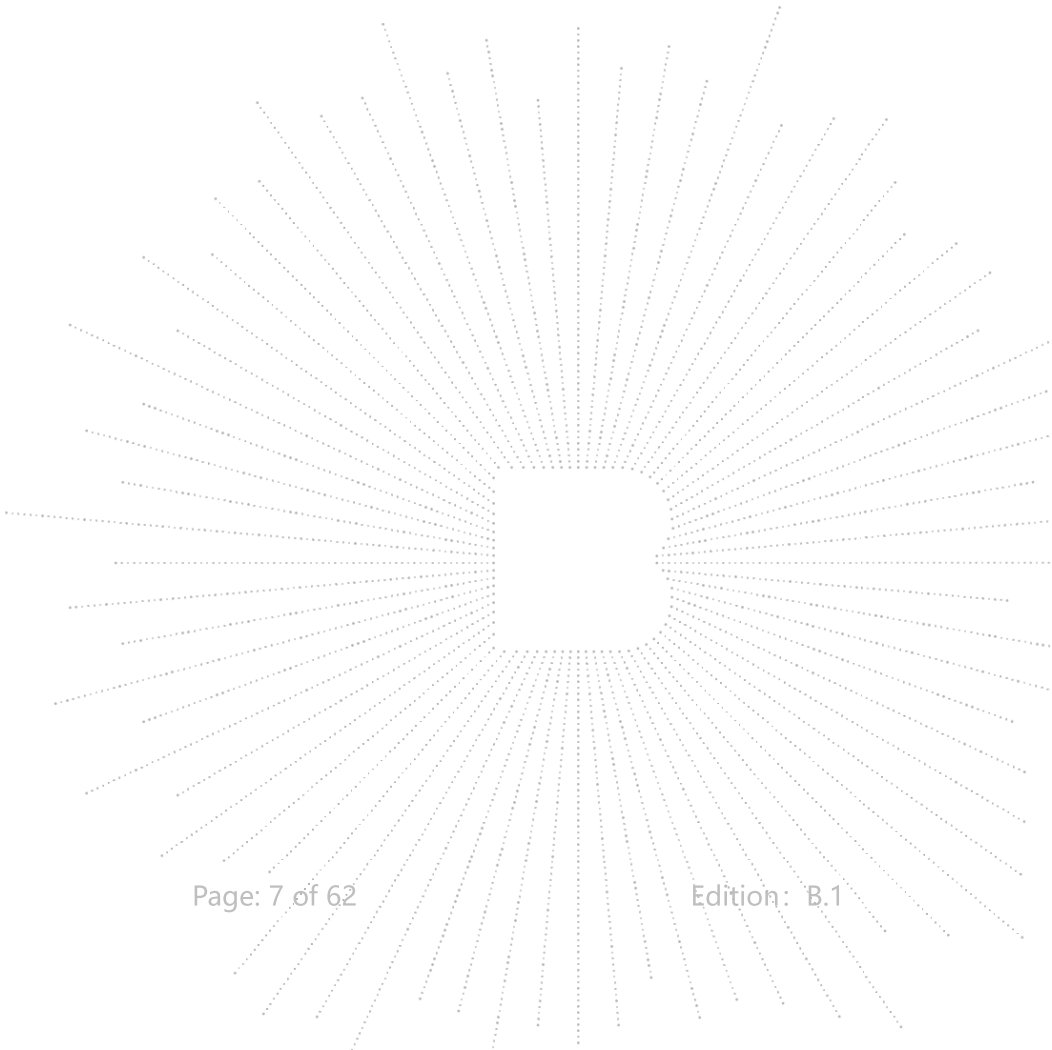
Band12	1.4	23173	3	#0	16QAM	21.23	0.74	19.82	PASS
Band12	1.4	23173	3	#Mid	16QAM	21.20	0.74	19.79	PASS
Band12	1.4	23173	3	#Max	16QAM	21.22	0.74	19.81	PASS
Band12	1.4	23173	6	#0	16QAM	19.90	0.74	18.49	PASS
Band12	3	23025	1	#0	QPSK	22.28	0.74	20.87	PASS
Band12	3	23025	1	#Mid	QPSK	22.19	0.74	20.78	PASS
Band12	3	23025	1	#Max	QPSK	22.24	0.74	20.83	PASS
Band12	3	23025	8	#0	QPSK	21.31	0.74	19.90	PASS
Band12	3	23025	8	#Mid	QPSK	21.26	0.74	19.85	PASS
Band12	3	23025	8	#Max	QPSK	21.27	0.74	19.86	PASS
Band12	3	23025	15	#0	QPSK	21.35	0.74	19.94	PASS
Band12	3	23025	1	#0	16QAM	22.21	0.74	20.80	PASS
Band12	3	23025	1	#Mid	16QAM	22.11	0.74	20.70	PASS
Band12	3	23025	1	#Max	16QAM	22.06	0.74	20.65	PASS
Band12	3	23025	8	#0	16QAM	20.28	0.74	18.87	PASS
Band12	3	23025	8	#Mid	16QAM	20.28	0.74	18.87	PASS
Band12	3	23025	8	#Max	16QAM	20.03	0.74	18.62	PASS
Band12	3	23025	15	#0	16QAM	20.40	0.74	18.99	PASS
Band12	3	23095	1	#0	QPSK	22.09	0.74	20.68	PASS
Band12	3	23095	1	#Mid	QPSK	22.11	0.74	20.70	PASS
Band12	3	23095	1	#Max	QPSK	22.10	0.74	20.69	PASS
Band12	3	23095	8	#0	QPSK	21.01	0.74	19.60	PASS
Band12	3	23095	8	#Mid	QPSK	20.88	0.74	19.47	PASS
Band12	3	23095	8	#Max	QPSK	20.81	0.74	19.40	PASS
Band12	3	23095	15	#0	QPSK	20.85	0.74	19.44	PASS
Band12	3	23095	1	#0	16QAM	21.51	0.74	20.10	PASS
Band12	3	23095	1	#Mid	16QAM	21.33	0.74	19.92	PASS
Band12	3	23095	1	#Max	16QAM	21.23	0.74	19.82	PASS
Band12	3	23095	8	#0	16QAM	20.32	0.74	18.91	PASS
Band12	3	23095	8	#Mid	16QAM	20.04	0.74	18.63	PASS
Band12	3	23095	8	#Max	16QAM	20.04	0.74	18.63	PASS
Band12	3	23095	15	#0	16QAM	19.81	0.74	18.40	PASS
Band12	3	23165	1	#0	QPSK	22.22	0.74	20.81	PASS
Band12	3	23165	1	#Mid	QPSK	22.24	0.74	20.83	PASS
Band12	3	23165	1	#Max	QPSK	22.33	0.74	20.92	PASS
Band12	3	23165	8	#0	QPSK	21.00	0.74	19.59	PASS
Band12	3	23165	8	#Mid	QPSK	20.90	0.74	19.49	PASS
Band12	3	23165	8	#Max	QPSK	20.98	0.74	19.57	PASS
Band12	3	23165	15	#0	QPSK	21.13	0.74	19.72	PASS
Band12	3	23165	1	#0	16QAM	21.77	0.74	20.36	PASS
Band12	3	23165	1	#Mid	16QAM	21.69	0.74	20.28	PASS
Band12	3	23165	1	#Max	16QAM	21.62	0.74	20.21	PASS
Band12	3	23165	8	#0	16QAM	20.09	0.74	18.68	PASS

Band12	3	23165	8	#Mid	16QAM	19.99	0.74	18.58	PASS
Band12	3	23165	8	#Max	16QAM	19.72	0.74	18.31	PASS
Band12	3	23165	15	#0	16QAM	20.06	0.74	18.65	PASS
Band12	5	23035	1	#0	QPSK	21.98	0.74	20.57	PASS
Band12	5	23035	1	#Mid	QPSK	22.10	0.74	20.69	PASS
Band12	5	23035	1	#Max	QPSK	21.87	0.74	20.46	PASS
Band12	5	23035	12	#0	QPSK	21.26	0.74	19.85	PASS
Band12	5	23035	12	#Mid	QPSK	21.29	0.74	19.88	PASS
Band12	5	23035	12	#Max	QPSK	21.18	0.74	19.77	PASS
Band12	5	23035	25	#0	QPSK	21.23	0.74	19.82	PASS
Band12	5	23035	1	#0	16QAM	21.39	0.74	19.98	PASS
Band12	5	23035	1	#Mid	16QAM	21.30	0.74	19.89	PASS
Band12	5	23035	1	#Max	16QAM	21.18	0.74	19.77	PASS
Band12	5	23035	12	#0	16QAM	20.23	0.74	18.82	PASS
Band12	5	23035	12	#Mid	16QAM	19.99	0.74	18.58	PASS
Band12	5	23035	12	#Max	16QAM	19.94	0.74	18.53	PASS
Band12	5	23035	25	#0	16QAM	19.95	0.74	18.54	PASS
Band12	5	23095	1	#0	QPSK	22.13	0.74	20.72	PASS
Band12	5	23095	1	#Mid	QPSK	22.04	0.74	20.63	PASS
Band12	5	23095	1	#Max	QPSK	21.91	0.74	20.50	PASS
Band12	5	23095	12	#0	QPSK	21.11	0.74	19.70	PASS
Band12	5	23095	12	#Mid	QPSK	20.89	0.74	19.48	PASS
Band12	5	23095	12	#Max	QPSK	20.89	0.74	19.48	PASS
Band12	5	23095	25	#0	QPSK	20.92	0.74	19.51	PASS
Band12	5	23095	1	#0	16QAM	20.81	0.74	19.40	PASS
Band12	5	23095	1	#Mid	16QAM	20.51	0.74	19.10	PASS
Band12	5	23095	1	#Max	16QAM	20.66	0.74	19.25	PASS
Band12	5	23095	12	#0	16QAM	19.97	0.74	18.56	PASS
Band12	5	23095	12	#Mid	16QAM	19.67	0.74	18.26	PASS
Band12	5	23095	12	#Max	16QAM	19.64	0.74	18.23	PASS
Band12	5	23095	25	#0	16QAM	19.89	0.74	18.48	PASS
Band12	5	23155	1	#0	QPSK	22.06	0.74	20.65	PASS
Band12	5	23155	1	#Mid	QPSK	21.98	0.74	20.57	PASS
Band12	5	23155	1	#Max	QPSK	21.92	0.74	20.51	PASS
Band12	5	23155	12	#0	QPSK	20.86	0.74	19.45	PASS
Band12	5	23155	12	#Mid	QPSK	21.06	0.74	19.65	PASS
Band12	5	23155	12	#Max	QPSK	21.11	0.74	19.70	PASS
Band12	5	23155	25	#0	QPSK	20.92	0.74	19.51	PASS
Band12	5	23155	1	#0	16QAM	20.95	0.74	19.54	PASS
Band12	5	23155	1	#Mid	16QAM	21.00	0.74	19.59	PASS
Band12	5	23155	1	#Max	16QAM	21.01	0.74	19.60	PASS
Band12	5	23155	12	#0	16QAM	19.73	0.74	18.32	PASS
Band12	5	23155	12	#Mid	16QAM	20.02	0.74	18.61	PASS

Band12	5	23155	12	#Max	16QAM	20.02	0.74	18.61	PASS
Band12	5	23155	25	#0	16QAM	19.94	0.74	18.53	PASS
Band12	10	23060	1	#0	QPSK	22.11	0.74	20.70	PASS
Band12	10	23060	1	#Mid	QPSK	21.85	0.74	20.44	PASS
Band12	10	23060	1	#Max	QPSK	22.02	0.74	20.61	PASS
Band12	10	23060	25	#0	QPSK	21.32	0.74	19.91	PASS
Band12	10	23060	25	#Mid	QPSK	21.13	0.74	19.72	PASS
Band12	10	23060	25	#Max	QPSK	21.20	0.74	19.79	PASS
Band12	10	23060	50	#0	QPSK	21.23	0.74	19.82	PASS
Band12	10	23060	1	#0	16QAM	22.25	0.74	20.84	PASS
Band12	10	23060	1	#Mid	16QAM	22.00	0.74	20.59	PASS
Band12	10	23060	1	#Max	16QAM	21.81	0.74	20.40	PASS
Band12	10	23060	25	#0	16QAM	19.92	0.74	18.51	PASS
Band12	10	23060	25	#Mid	16QAM	20.09	0.74	18.68	PASS
Band12	10	23060	25	#Max	16QAM	19.89	0.74	18.48	PASS
Band12	10	23060	50	#0	16QAM	20.08	0.74	18.67	PASS
Band12	10	23095	1	#0	QPSK	22.10	0.74	20.69	PASS
Band12	10	23095	1	#Mid	QPSK	22.06	0.74	20.65	PASS
Band12	10	23095	1	#Max	QPSK	22.14	0.74	20.73	PASS
Band12	10	23095	25	#0	QPSK	21.18	0.74	19.77	PASS
Band12	10	23095	25	#Mid	QPSK	20.93	0.74	19.52	PASS
Band12	10	23095	25	#Max	QPSK	21.03	0.74	19.62	PASS
Band12	10	23095	50	#0	QPSK	20.86	0.74	19.45	PASS
Band12	10	23095	1	#0	16QAM	21.19	0.74	19.78	PASS
Band12	10	23095	1	#Mid	16QAM	20.89	0.74	19.48	PASS
Band12	10	23095	1	#Max	16QAM	21.05	0.74	19.64	PASS
Band12	10	23095	25	#0	16QAM	20.08	0.74	18.67	PASS
Band12	10	23095	25	#Mid	16QAM	19.86	0.74	18.45	PASS
Band12	10	23095	25	#Max	16QAM	19.78	0.74	18.37	PASS
Band12	10	23095	50	#0	16QAM	19.89	0.74	18.48	PASS
Band12	10	23130	1	#0	QPSK	22.33	0.74	20.92	PASS
Band12	10	23130	1	#Mid	QPSK	22.21	0.74	20.80	PASS
Band12	10	23130	1	#Max	QPSK	22.27	0.74	20.86	PASS
Band12	10	23130	25	#0	QPSK	20.93	0.74	19.52	PASS
Band12	10	23130	25	#Mid	QPSK	21.02	0.74	19.61	PASS
Band12	10	23130	25	#Max	QPSK	21.03	0.74	19.62	PASS
Band12	10	23130	50	#0	QPSK	20.98	0.74	19.57	PASS
Band12	10	23130	1	#0	16QAM	21.01	0.74	19.60	PASS
Band12	10	23130	1	#Mid	16QAM	20.92	0.74	19.51	PASS
Band12	10	23130	1	#Max	16QAM	20.99	0.74	19.58	PASS
Band12	10	23130	25	#0	16QAM	19.85	0.74	18.44	PASS
Band12	10	23130	25	#Mid	16QAM	19.79	0.74	18.38	PASS
Band12	10	23130	25	#Max	16QAM	20.03	0.74	18.62	PASS



Band12	10	23130	50	#0	16QAM	19.81	0.74	18.40	PASS
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Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band12	1.4	23017	6	#0	QPSK	LV	NT	-9.70	-0.014	PASS
Band12	1.4	23017	6	#0	QPSK	NV	NT	-27.72	-0.040	PASS
Band12	1.4	23017	6	#0	QPSK	HV	NT	-45.42	-0.065	PASS
Band12	1.4	23017	6	#0	16QAM	LV	NT	-21.94	-0.031	PASS
Band12	1.4	23017	6	#0	16QAM	NV	NT	-37.64	-0.054	PASS
Band12	1.4	23017	6	#0	16QAM	HV	NT	-5.16	-0.007	PASS
Band12	1.4	23095	6	#0	QPSK	LV	NT	-28.64	-0.040	PASS
Band12	1.4	23095	6	#0	QPSK	NV	NT	-42.44	-0.060	PASS
Band12	1.4	23095	6	#0	QPSK	HV	NT	-10.17	-0.014	PASS
Band12	1.4	23095	6	#0	16QAM	LV	NT	-25.21	-0.036	PASS
Band12	1.4	23095	6	#0	16QAM	NV	NT	-35.72	-0.050	PASS
Band12	1.4	23095	6	#0	16QAM	HV	NT	-46.51	-0.066	PASS
Band12	1.4	23173	6	#0	QPSK	LV	NT	-23.40	-0.033	PASS
Band12	1.4	23173	6	#0	QPSK	NV	NT	-35.13	-0.049	PASS
Band12	1.4	23173	6	#0	QPSK	HV	NT	-48.58	-0.068	PASS
Band12	1.4	23173	6	#0	16QAM	LV	NT	-12.93	-0.018	PASS
Band12	1.4	23173	6	#0	16QAM	NV	NT	-23.09	-0.032	PASS
Band12	1.4	23173	6	#0	16QAM	HV	NT	-31.81	-0.044	PASS
Band12	3	23025	15	#0	QPSK	LV	NT	-2.45	-0.003	PASS
Band12	3	23025	15	#0	QPSK	NV	NT	-11.79	-0.017	PASS
Band12	3	23025	15	#0	QPSK	HV	NT	-22.46	-0.032	PASS
Band12	3	23025	15	#0	16QAM	LV	NT	-34.20	-0.049	PASS
Band12	3	23025	15	#0	16QAM	NV	NT	-43.99	-0.063	PASS
Band12	3	23025	15	#0	16QAM	HV	NT	-7.72	-0.011	PASS
Band12	3	23095	15	#0	QPSK	LV	NT	-10.14	-0.014	PASS
Band12	3	23095	15	#0	QPSK	NV	NT	-17.25	-0.024	PASS
Band12	3	23095	15	#0	QPSK	HV	NT	-22.52	-0.032	PASS
Band12	3	23095	15	#0	16QAM	LV	NT	-28.51	-0.040	PASS
Band12	3	23095	15	#0	16QAM	NV	NT	-33.25	-0.047	PASS
Band12	3	23095	15	#0	16QAM	HV	NT	-36.95	-0.052	PASS
Band12	3	23165	15	#0	QPSK	LV	NT	-15.88	-0.022	PASS
Band12	3	23165	15	#0	QPSK	NV	NT	-22.20	-0.031	PASS
Band12	3	23165	15	#0	QPSK	HV	NT	-30.01	-0.042	PASS
Band12	3	23165	15	#0	16QAM	LV	NT	-38.57	-0.054	PASS
Band12	3	23165	15	#0	16QAM	NV	NT	-43.23	-0.061	PASS
Band12	3	23165	15	#0	16QAM	HV	NT	-47.11	-0.066	PASS
Band12	5	23035	25	#0	QPSK	LV	NT	-4.22	-0.006	PASS
Band12	5	23035	25	#0	QPSK	NV	NT	-9.41	-0.013	PASS

Band12	5	23035	25	#0	QPSK	HV	NT	-15.13	-0.022	PASS
Band12	5	23035	25	#0	16QAM	LV	NT	-20.48	-0.029	PASS
Band12	5	23035	25	#0	16QAM	NV	NT	-23.63	-0.034	PASS
Band12	5	23035	25	#0	16QAM	HV	NT	-26.62	-0.038	PASS
Band12	5	23095	25	#0	QPSK	LV	NT	-4.59	-0.006	PASS
Band12	5	23095	25	#0	QPSK	NV	NT	-8.40	-0.012	PASS
Band12	5	23095	25	#0	QPSK	HV	NT	-12.10	-0.017	PASS
Band12	5	23095	25	#0	16QAM	LV	NT	-16.16	-0.023	PASS
Band12	5	23095	25	#0	16QAM	NV	NT	-16.92	-0.024	PASS
Band12	5	23095	25	#0	16QAM	HV	NT	-18.67	-0.026	PASS
Band12	5	23155	25	#0	QPSK	LV	NT	7.71	0.011	PASS
Band12	5	23155	25	#0	QPSK	NV	NT	5.42	0.008	PASS
Band12	5	23155	25	#0	QPSK	HV	NT	-0.17	0.000	PASS
Band12	5	23155	25	#0	16QAM	LV	NT	-3.81	-0.005	PASS
Band12	5	23155	25	#0	16QAM	NV	NT	-7.34	-0.010	PASS
Band12	5	23155	25	#0	16QAM	HV	NT	-7.31	-0.010	PASS
Band12	10	23060	50	#0	QPSK	LV	NT	6.42	0.009	PASS
Band12	10	23060	50	#0	QPSK	NV	NT	3.23	0.005	PASS
Band12	10	23060	50	#0	QPSK	HV	NT	0.43	0.001	PASS
Band12	10	23060	50	#0	16QAM	LV	NT	-3.63	-0.005	PASS
Band12	10	23060	50	#0	16QAM	NV	NT	-4.78	-0.007	PASS
Band12	10	23060	50	#0	16QAM	HV	NT	-6.15	-0.009	PASS
Band12	10	23095	50	#0	QPSK	LV	NT	5.36	0.008	PASS
Band12	10	23095	50	#0	QPSK	NV	NT	2.90	0.004	PASS
Band12	10	23095	50	#0	QPSK	HV	NT	2.36	0.003	PASS
Band12	10	23095	50	#0	16QAM	LV	NT	1.79	0.003	PASS
Band12	10	23095	50	#0	16QAM	NV	NT	1.76	0.002	PASS
Band12	10	23095	50	#0	16QAM	HV	NT	0.66	0.001	PASS
Band12	10	23130	50	#0	QPSK	LV	NT	5.39	0.008	PASS
Band12	10	23130	50	#0	QPSK	NV	NT	2.32	0.003	PASS
Band12	10	23130	50	#0	QPSK	HV	NT	0.46	0.001	PASS
Band12	10	23130	50	#0	16QAM	LV	NT	-0.60	-0.001	PASS
Band12	10	23130	50	#0	16QAM	NV	NT	-0.41	-0.001	PASS
Band12	10	23130	50	#0	16QAM	HV	NT	0.10	0.000	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band12	1.4	23017	6	#0	QPSK	NV	-30	-36.58	-0.052	PASS
Band12	1.4	23017	6	#0	QPSK	NV	-20	-33.73	-0.048	PASS
Band12	1.4	23017	6	#0	QPSK	NV	-10	-28.88	-0.041	PASS
Band12	1.4	23017	6	#0	QPSK	NV	0	-22.69	-0.032	PASS
Band12	1.4	23017	6	#0	QPSK	NV	10	-15.55	-0.022	PASS
Band12	1.4	23017	6	#0	QPSK	NV	20	-7.34	-0.010	PASS

Band12	1.4	23017	6	#0	QPSK	NV	30	-0.13	0.000	PASS
Band12	1.4	23017	6	#0	QPSK	NV	40	7.97	0.011	PASS
Band12	1.4	23017	6	#0	QPSK	NV	50	15.56	0.022	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-30	25.61	0.037	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-20	32.57	0.047	PASS
Band12	1.4	23017	6	#0	16QAM	NV	-10	40.94	0.059	PASS
Band12	1.4	23017	6	#0	16QAM	NV	0	29.30	0.042	PASS
Band12	1.4	23017	6	#0	16QAM	NV	10	7.42	0.011	PASS
Band12	1.4	23017	6	#0	16QAM	NV	20	13.52	0.019	PASS
Band12	1.4	23017	6	#0	16QAM	NV	30	18.73	0.027	PASS
Band12	1.4	23017	6	#0	16QAM	NV	40	23.39	0.033	PASS
Band12	1.4	23017	6	#0	16QAM	NV	50	29.80	0.043	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-30	6.09	0.009	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-20	8.75	0.012	PASS
Band12	1.4	23095	6	#0	QPSK	NV	-10	12.53	0.018	PASS
Band12	1.4	23095	6	#0	QPSK	NV	0	15.46	0.022	PASS
Band12	1.4	23095	6	#0	QPSK	NV	10	16.72	0.024	PASS
Band12	1.4	23095	6	#0	QPSK	NV	20	18.58	0.026	PASS
Band12	1.4	23095	6	#0	QPSK	NV	30	19.86	0.028	PASS
Band12	1.4	23095	6	#0	QPSK	NV	40	21.00	0.030	PASS
Band12	1.4	23095	6	#0	QPSK	NV	50	21.26	0.030	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-30	23.52	0.033	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-20	25.75	0.036	PASS
Band12	1.4	23095	6	#0	16QAM	NV	-10	27.24	0.039	PASS
Band12	1.4	23095	6	#0	16QAM	NV	0	27.64	0.039	PASS
Band12	1.4	23095	6	#0	16QAM	NV	10	28.51	0.040	PASS
Band12	1.4	23095	6	#0	16QAM	NV	20	29.13	0.041	PASS
Band12	1.4	23095	6	#0	16QAM	NV	30	30.71	0.043	PASS
Band12	1.4	23095	6	#0	16QAM	NV	40	31.57	0.045	PASS
Band12	1.4	23095	6	#0	16QAM	NV	50	33.47	0.047	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-30	-3.52	-0.005	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-20	-2.23	-0.003	PASS
Band12	1.4	23173	6	#0	QPSK	NV	-10	0.90	0.001	PASS
Band12	1.4	23173	6	#0	QPSK	NV	0	5.58	0.008	PASS
Band12	1.4	23173	6	#0	QPSK	NV	10	9.30	0.013	PASS
Band12	1.4	23173	6	#0	QPSK	NV	20	15.66	0.022	PASS
Band12	1.4	23173	6	#0	QPSK	NV	30	22.33	0.031	PASS
Band12	1.4	23173	6	#0	QPSK	NV	40	27.87	0.039	PASS
Band12	1.4	23173	6	#0	QPSK	NV	50	33.37	0.047	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-30	40.34	0.056	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-20	3.33	0.005	PASS
Band12	1.4	23173	6	#0	16QAM	NV	-10	9.00	0.013	PASS
Band12	1.4	23173	6	#0	16QAM	NV	0	13.16	0.018	PASS

Band12	1.4	23173	6	#0	16QAM	NV	10	16.28	0.023	PASS
Band12	1.4	23173	6	#0	16QAM	NV	20	20.36	0.028	PASS
Band12	1.4	23173	6	#0	16QAM	NV	30	23.57	0.033	PASS
Band12	1.4	23173	6	#0	16QAM	NV	40	27.61	0.039	PASS
Band12	1.4	23173	6	#0	16QAM	NV	50	31.29	0.044	PASS
Band12	3	23025	15	#0	QPSK	NV	-30	-41.30	-0.059	PASS
Band12	3	23025	15	#0	QPSK	NV	-20	-47.49	-0.068	PASS
Band12	3	23025	15	#0	QPSK	NV	-10	-14.23	-0.020	PASS
Band12	3	23025	15	#0	QPSK	NV	0	0.64	0.001	PASS
Band12	3	23025	15	#0	QPSK	NV	10	1.97	0.003	PASS
Band12	3	23025	15	#0	QPSK	NV	20	5.46	0.008	PASS
Band12	3	23025	15	#0	QPSK	NV	30	7.60	0.011	PASS
Band12	3	23025	15	#0	QPSK	NV	40	12.20	0.017	PASS
Band12	3	23025	15	#0	QPSK	NV	50	-3.98	-0.006	PASS
Band12	3	23025	15	#0	16QAM	NV	-30	-4.94	-0.007	PASS
Band12	3	23025	15	#0	16QAM	NV	-20	-1.96	-0.003	PASS
Band12	3	23025	15	#0	16QAM	NV	-10	1.17	0.002	PASS
Band12	3	23025	15	#0	16QAM	NV	0	6.21	0.009	PASS
Band12	3	23025	15	#0	16QAM	NV	10	13.39	0.019	PASS
Band12	3	23025	15	#0	16QAM	NV	20	18.50	0.026	PASS
Band12	3	23025	15	#0	16QAM	NV	30	26.88	0.038	PASS
Band12	3	23025	15	#0	16QAM	NV	40	33.42	0.048	PASS
Band12	3	23025	15	#0	16QAM	NV	50	39.78	0.057	PASS
Band12	3	23095	15	#0	QPSK	NV	-30	13.88	0.020	PASS
Band12	3	23095	15	#0	QPSK	NV	-20	17.87	0.025	PASS
Band12	3	23095	15	#0	QPSK	NV	-10	23.57	0.033	PASS
Band12	3	23095	15	#0	QPSK	NV	0	28.02	0.040	PASS
Band12	3	23095	15	#0	QPSK	NV	10	32.49	0.046	PASS
Band12	3	23095	15	#0	QPSK	NV	20	35.43	0.050	PASS
Band12	3	23095	15	#0	QPSK	NV	30	40.68	0.057	PASS
Band12	3	23095	15	#0	QPSK	NV	40	44.92	0.063	PASS
Band12	3	23095	15	#0	QPSK	NV	50	46.94	0.066	PASS
Band12	3	23095	15	#0	16QAM	NV	-30	2.73	0.004	PASS
Band12	3	23095	15	#0	16QAM	NV	-20	5.29	0.007	PASS
Band12	3	23095	15	#0	16QAM	NV	-10	8.54	0.012	PASS
Band12	3	23095	15	#0	16QAM	NV	0	9.91	0.014	PASS
Band12	3	23095	15	#0	16QAM	NV	10	10.24	0.014	PASS
Band12	3	23095	15	#0	16QAM	NV	20	12.39	0.018	PASS
Band12	3	23095	15	#0	16QAM	NV	30	12.60	0.018	PASS
Band12	3	23095	15	#0	16QAM	NV	40	12.36	0.017	PASS
Band12	3	23095	15	#0	16QAM	NV	50	12.33	0.017	PASS
Band12	3	23165	15	#0	QPSK	NV	-30	-7.14	-0.010	PASS
Band12	3	23165	15	#0	QPSK	NV	-20	-7.15	-0.010	PASS

Band12	3	23165	15	#0	QPSK	NV	-10	-4.31	-0.006	PASS
Band12	3	23165	15	#0	QPSK	NV	0	-0.67	-0.001	PASS
Band12	3	23165	15	#0	QPSK	NV	10	3.68	0.005	PASS
Band12	3	23165	15	#0	QPSK	NV	20	7.20	0.010	PASS
Band12	3	23165	15	#0	QPSK	NV	30	13.07	0.018	PASS
Band12	3	23165	15	#0	QPSK	NV	40	17.65	0.025	PASS
Band12	3	23165	15	#0	QPSK	NV	50	22.72	0.032	PASS
Band12	3	23165	15	#0	16QAM	NV	-30	29.00	0.041	PASS
Band12	3	23165	15	#0	16QAM	NV	-20	35.33	0.049	PASS
Band12	3	23165	15	#0	16QAM	NV	-10	40.70	0.057	PASS
Band12	3	23165	15	#0	16QAM	NV	0	-0.26	0.000	PASS
Band12	3	23165	15	#0	16QAM	NV	10	4.18	0.006	PASS
Band12	3	23165	15	#0	16QAM	NV	20	7.88	0.011	PASS
Band12	3	23165	15	#0	16QAM	NV	30	12.77	0.018	PASS
Band12	3	23165	15	#0	16QAM	NV	40	16.18	0.023	PASS
Band12	3	23165	15	#0	16QAM	NV	50	21.14	0.030	PASS
Band12	5	23035	25	#0	QPSK	NV	-30	-7.10	-0.010	PASS
Band12	5	23035	25	#0	QPSK	NV	-20	-6.44	-0.009	PASS
Band12	5	23035	25	#0	QPSK	NV	-10	-4.21	-0.006	PASS
Band12	5	23035	25	#0	QPSK	NV	0	-0.01	0.000	PASS
Band12	5	23035	25	#0	QPSK	NV	10	5.04	0.007	PASS
Band12	5	23035	25	#0	QPSK	NV	20	11.37	0.016	PASS
Band12	5	23035	25	#0	QPSK	NV	30	18.78	0.027	PASS
Band12	5	23035	25	#0	QPSK	NV	40	25.28	0.036	PASS
Band12	5	23035	25	#0	QPSK	NV	50	32.37	0.046	PASS
Band12	5	23035	25	#0	16QAM	NV	-30	38.68	0.055	PASS
Band12	5	23035	25	#0	16QAM	NV	-20	0.21	0.000	PASS
Band12	5	23035	25	#0	16QAM	NV	-10	4.86	0.007	PASS
Band12	5	23035	25	#0	16QAM	NV	0	6.75	0.010	PASS
Band12	5	23035	25	#0	16QAM	NV	10	8.17	0.012	PASS
Band12	5	23035	25	#0	16QAM	NV	20	10.67	0.015	PASS
Band12	5	23035	25	#0	16QAM	NV	30	11.22	0.016	PASS
Band12	5	23035	25	#0	16QAM	NV	40	12.33	0.018	PASS
Band12	5	23035	25	#0	16QAM	NV	50	13.82	0.020	PASS
Band12	5	23095	25	#0	QPSK	NV	-30	-0.89	-0.001	PASS
Band12	5	23095	25	#0	QPSK	NV	-20	-1.12	-0.002	PASS
Band12	5	23095	25	#0	QPSK	NV	-10	-0.92	-0.001	PASS
Band12	5	23095	25	#0	QPSK	NV	0	0.66	0.001	PASS
Band12	5	23095	25	#0	QPSK	NV	10	4.45	0.006	PASS
Band12	5	23095	25	#0	QPSK	NV	20	7.48	0.011	PASS
Band12	5	23095	25	#0	QPSK	NV	30	9.86	0.014	PASS
Band12	5	23095	25	#0	QPSK	NV	40	11.96	0.017	PASS
Band12	5	23095	25	#0	QPSK	NV	50	13.68	0.019	PASS

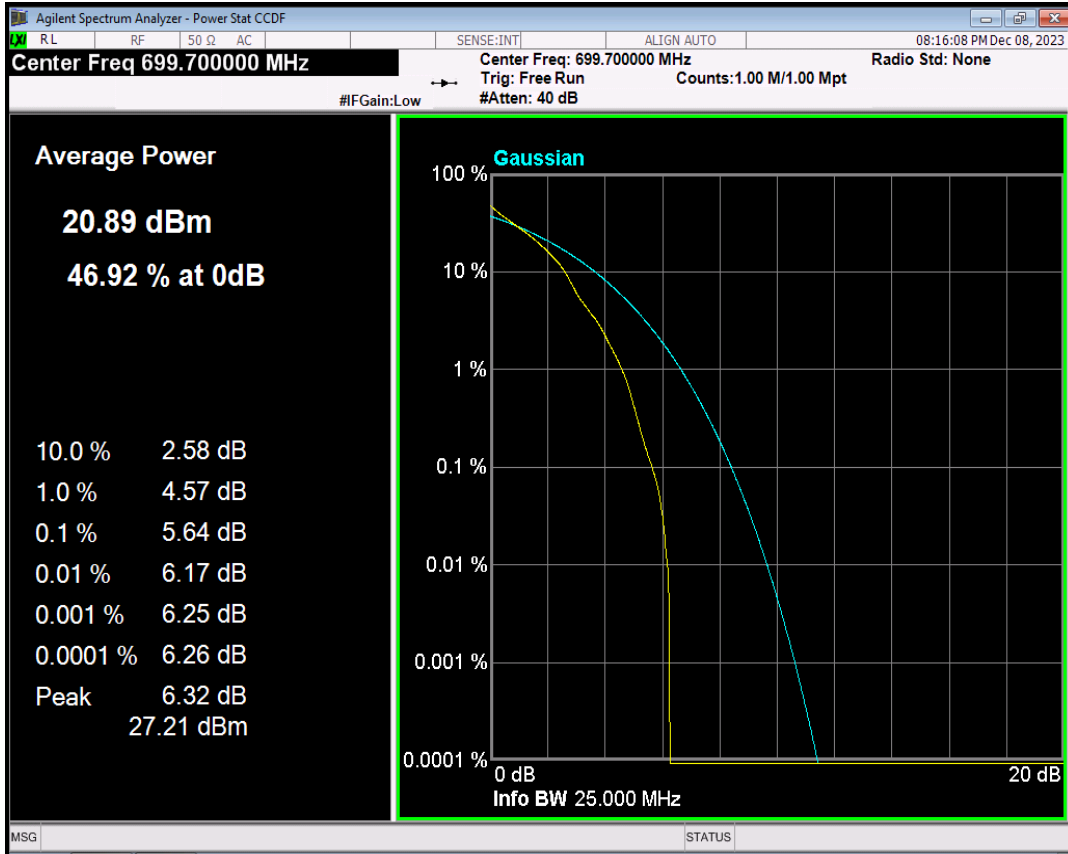
Band12	5	23095	25	#0	16QAM	NV	-30	16.65	0.024	PASS
Band12	5	23095	25	#0	16QAM	NV	-20	21.50	0.030	PASS
Band12	5	23095	25	#0	16QAM	NV	-10	24.76	0.035	PASS
Band12	5	23095	25	#0	16QAM	NV	0	26.68	0.038	PASS
Band12	5	23095	25	#0	16QAM	NV	10	27.69	0.039	PASS
Band12	5	23095	25	#0	16QAM	NV	20	26.92	0.038	PASS
Band12	5	23095	25	#0	16QAM	NV	30	25.52	0.036	PASS
Band12	5	23095	25	#0	16QAM	NV	40	21.73	0.031	PASS
Band12	5	23095	25	#0	16QAM	NV	50	19.35	0.027	PASS
Band12	5	23155	25	#0	QPSK	NV	-30	-11.82	-0.017	PASS
Band12	5	23155	25	#0	QPSK	NV	-20	-13.83	-0.019	PASS
Band12	5	23155	25	#0	QPSK	NV	-10	-13.32	-0.019	PASS
Band12	5	23155	25	#0	QPSK	NV	0	-12.53	-0.018	PASS
Band12	5	23155	25	#0	QPSK	NV	10	-8.61	-0.012	PASS
Band12	5	23155	25	#0	QPSK	NV	20	-6.92	-0.010	PASS
Band12	5	23155	25	#0	QPSK	NV	30	-4.22	-0.006	PASS
Band12	5	23155	25	#0	QPSK	NV	40	-0.90	-0.001	PASS
Band12	5	23155	25	#0	QPSK	NV	50	2.00	0.003	PASS
Band12	5	23155	25	#0	16QAM	NV	-30	6.15	0.009	PASS
Band12	5	23155	25	#0	16QAM	NV	-20	-30.36	-0.043	PASS
Band12	5	23155	25	#0	16QAM	NV	-10	-36.76	-0.052	PASS
Band12	5	23155	25	#0	16QAM	NV	0	-37.44	-0.052	PASS
Band12	5	23155	25	#0	16QAM	NV	10	-37.06	-0.052	PASS
Band12	5	23155	25	#0	16QAM	NV	20	-33.70	-0.047	PASS
Band12	5	23155	25	#0	16QAM	NV	30	-30.28	-0.042	PASS
Band12	5	23155	25	#0	16QAM	NV	40	-25.46	-0.036	PASS
Band12	5	23155	25	#0	16QAM	NV	50	-18.68	-0.026	PASS
Band12	10	23060	50	#0	QPSK	NV	-30	-41.57	-0.059	PASS
Band12	10	23060	50	#0	QPSK	NV	-20	-42.80	-0.061	PASS
Band12	10	23060	50	#0	QPSK	NV	-10	-38.14	-0.054	PASS
Band12	10	23060	50	#0	QPSK	NV	0	-29.04	-0.041	PASS
Band12	10	23060	50	#0	QPSK	NV	10	-20.54	-0.029	PASS
Band12	10	23060	50	#0	QPSK	NV	20	-11.34	-0.016	PASS
Band12	10	23060	50	#0	QPSK	NV	30	-2.70	-0.004	PASS
Band12	10	23060	50	#0	QPSK	NV	40	6.69	0.010	PASS
Band12	10	23060	50	#0	QPSK	NV	50	14.08	0.020	PASS
Band12	10	23060	50	#0	16QAM	NV	-30	23.43	0.033	PASS
Band12	10	23060	50	#0	16QAM	NV	-20	29.57	0.042	PASS
Band12	10	23060	50	#0	16QAM	NV	-10	32.34	0.046	PASS
Band12	10	23060	50	#0	16QAM	NV	0	34.99	0.050	PASS
Band12	10	23060	50	#0	16QAM	NV	10	36.96	0.053	PASS
Band12	10	23060	50	#0	16QAM	NV	20	37.69	0.054	PASS
Band12	10	23060	50	#0	16QAM	NV	30	40.86	0.058	PASS

Band12	10	23060	50	#0	16QAM	NV	40	44.45	0.063	PASS
Band12	10	23060	50	#0	16QAM	NV	50	4.71	0.007	PASS
Band12	10	23095	50	#0	QPSK	NV	-30	-3.09	-0.004	PASS
Band12	10	23095	50	#0	QPSK	NV	-20	-2.82	-0.004	PASS
Band12	10	23095	50	#0	QPSK	NV	-10	-0.83	-0.001	PASS
Band12	10	23095	50	#0	QPSK	NV	0	2.82	0.004	PASS
Band12	10	23095	50	#0	QPSK	NV	10	9.10	0.013	PASS
Band12	10	23095	50	#0	QPSK	NV	20	16.29	0.023	PASS
Band12	10	23095	50	#0	QPSK	NV	30	24.15	0.034	PASS
Band12	10	23095	50	#0	QPSK	NV	40	30.68	0.043	PASS
Band12	10	23095	50	#0	QPSK	NV	50	35.96	0.051	PASS
Band12	10	23095	50	#0	16QAM	NV	-30	43.93	0.062	PASS
Band12	10	23095	50	#0	16QAM	NV	-20	18.78	0.027	PASS
Band12	10	23095	50	#0	16QAM	NV	-10	9.38	0.013	PASS
Band12	10	23095	50	#0	16QAM	NV	0	11.92	0.017	PASS
Band12	10	23095	50	#0	16QAM	NV	10	11.36	0.016	PASS
Band12	10	23095	50	#0	16QAM	NV	20	9.93	0.014	PASS
Band12	10	23095	50	#0	16QAM	NV	30	9.48	0.013	PASS
Band12	10	23095	50	#0	16QAM	NV	40	9.48	0.013	PASS
Band12	10	23095	50	#0	16QAM	NV	50	8.91	0.013	PASS
Band12	10	23130	50	#0	QPSK	NV	-30	-0.79	-0.001	PASS
Band12	10	23130	50	#0	QPSK	NV	-20	-0.06	0.000	PASS
Band12	10	23130	50	#0	QPSK	NV	-10	3.55	0.005	PASS
Band12	10	23130	50	#0	QPSK	NV	0	9.26	0.013	PASS
Band12	10	23130	50	#0	QPSK	NV	10	12.65	0.018	PASS
Band12	10	23130	50	#0	QPSK	NV	20	17.60	0.025	PASS
Band12	10	23130	50	#0	QPSK	NV	30	23.93	0.034	PASS
Band12	10	23130	50	#0	QPSK	NV	40	33.65	0.047	PASS
Band12	10	23130	50	#0	QPSK	NV	50	38.80	0.055	PASS
Band12	10	23130	50	#0	16QAM	NV	-30	44.10	0.062	PASS
Band12	10	23130	50	#0	16QAM	NV	-20	1.23	0.002	PASS
Band12	10	23130	50	#0	16QAM	NV	-10	1.26	0.002	PASS
Band12	10	23130	50	#0	16QAM	NV	0	-1.53	-0.002	PASS
Band12	10	23130	50	#0	16QAM	NV	10	-5.82	-0.008	PASS
Band12	10	23130	50	#0	16QAM	NV	20	-10.37	-0.015	PASS
Band12	10	23130	50	#0	16QAM	NV	30	-13.06	-0.018	PASS
Band12	10	23130	50	#0	16QAM	NV	40	-14.39	-0.020	PASS
Band12	10	23130	50	#0	16QAM	NV	50	-18.10	-0.025	PASS

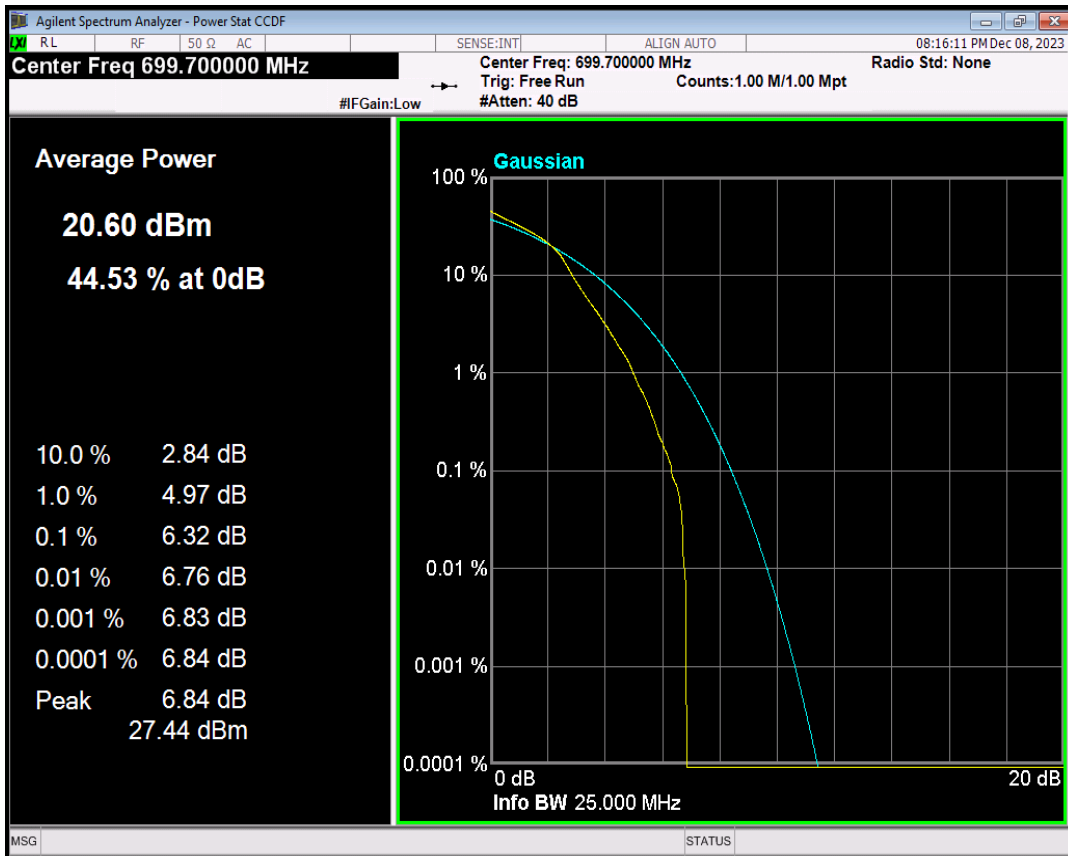
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23017	1	#0	QPSK	5.64	13	PASS
Band12	1.4	23017	1	#0	16QAM	6.32	13	PASS
Band12	1.4	23095	1	#0	QPSK	2.97	13	PASS
Band12	1.4	23095	1	#0	16QAM	4.01	13	PASS
Band12	1.4	23173	1	#0	QPSK	2.84	13	PASS
Band12	1.4	23173	1	#0	16QAM	3.76	13	PASS
Band12	3	23025	1	#0	QPSK	5.70	13	PASS
Band12	3	23025	1	#0	16QAM	6.56	13	PASS
Band12	3	23095	1	#0	QPSK	2.92	13	PASS
Band12	3	23095	1	#0	16QAM	3.34	13	PASS
Band12	3	23165	1	#0	QPSK	3.54	13	PASS
Band12	3	23165	1	#0	16QAM	4.73	13	PASS
Band12	5	23035	1	#0	QPSK	5.77	13	PASS
Band12	5	23035	1	#0	16QAM	6.21	13	PASS
Band12	5	23095	1	#0	QPSK	2.73	13	PASS
Band12	5	23095	1	#0	16QAM	3.60	13	PASS
Band12	5	23155	1	#0	QPSK	4.85	13	PASS
Band12	5	23155	1	#0	16QAM	5.79	13	PASS
Band12	10	23060	1	#0	QPSK	5.50	13	PASS
Band12	10	23060	1	#0	16QAM	6.35	13	PASS
Band12	10	23095	1	#0	QPSK	3.23	13	PASS
Band12	10	23095	1	#0	16QAM	4.04	13	PASS
Band12	10	23130	1	#0	QPSK	2.81	13	PASS
Band12	10	23130	1	#0	16QAM	4.05	13	PASS

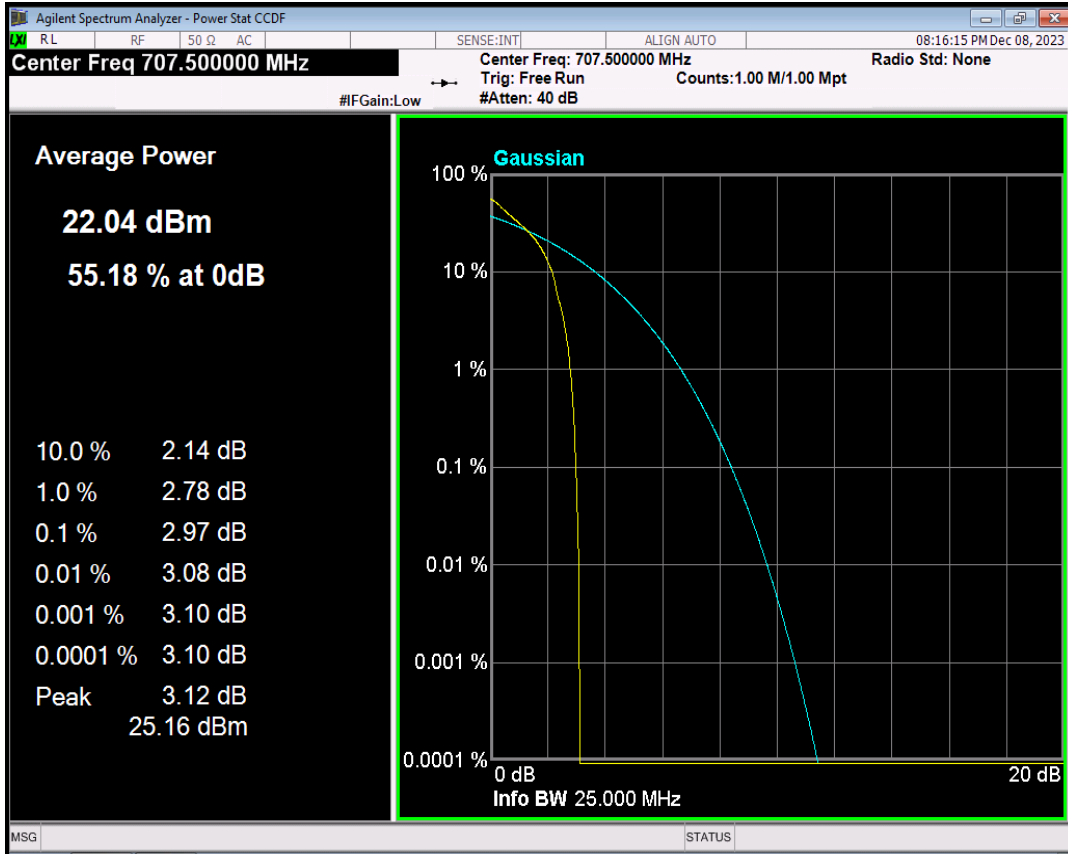
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



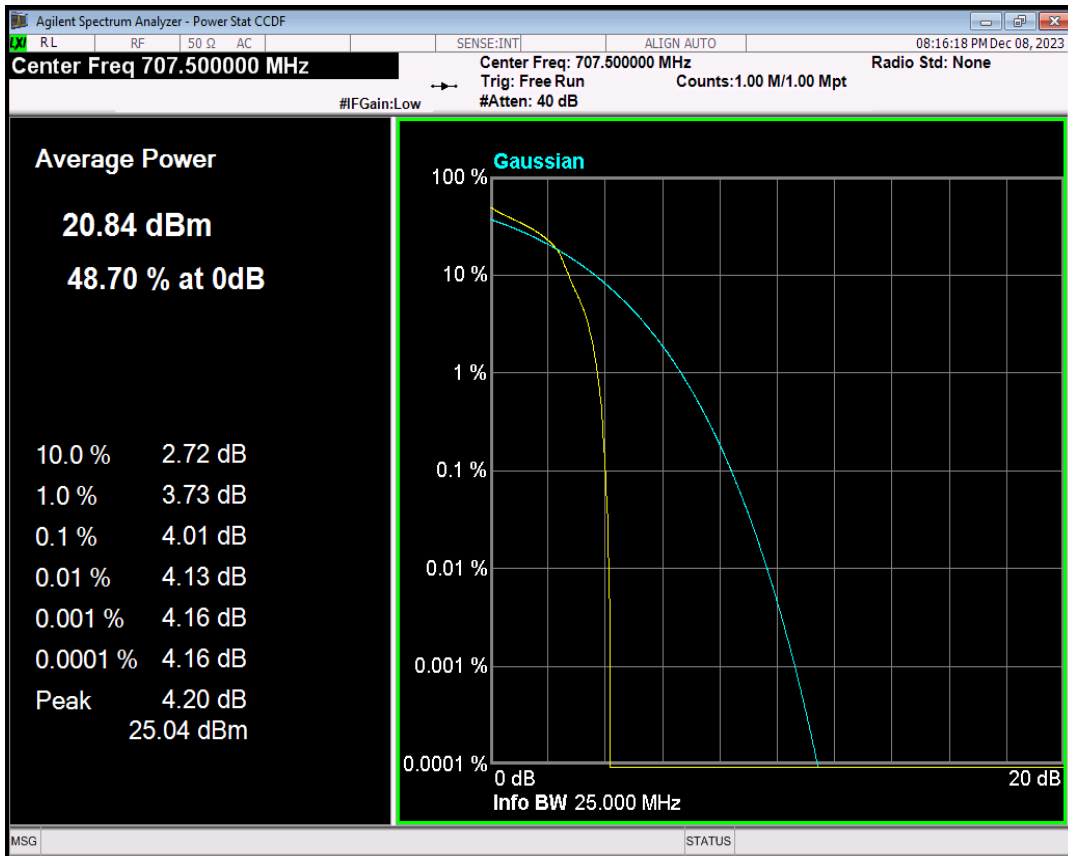
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



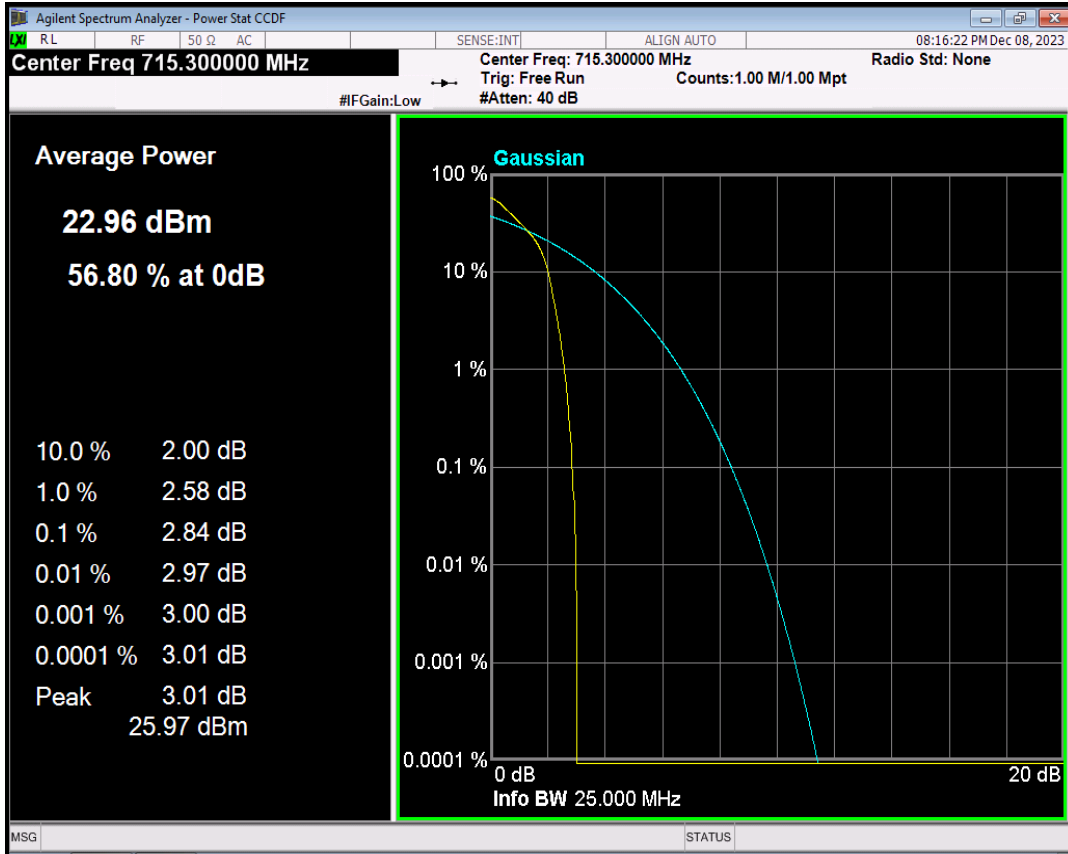
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



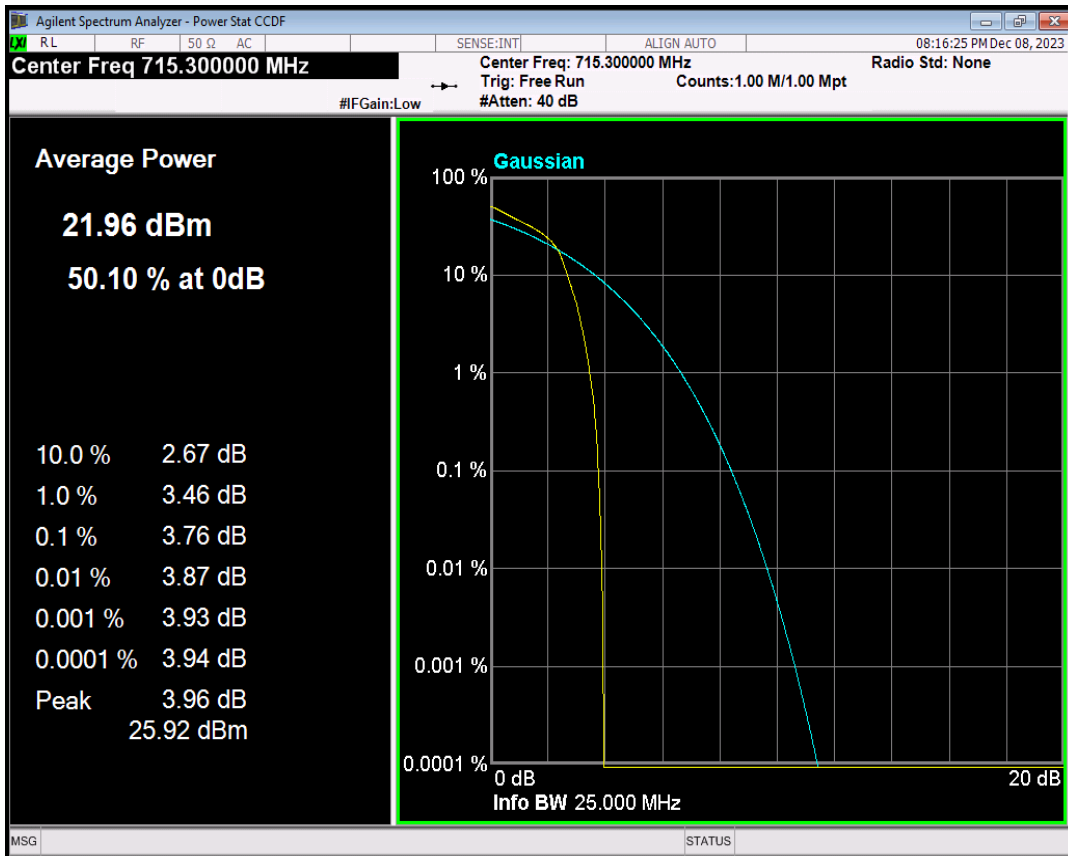
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



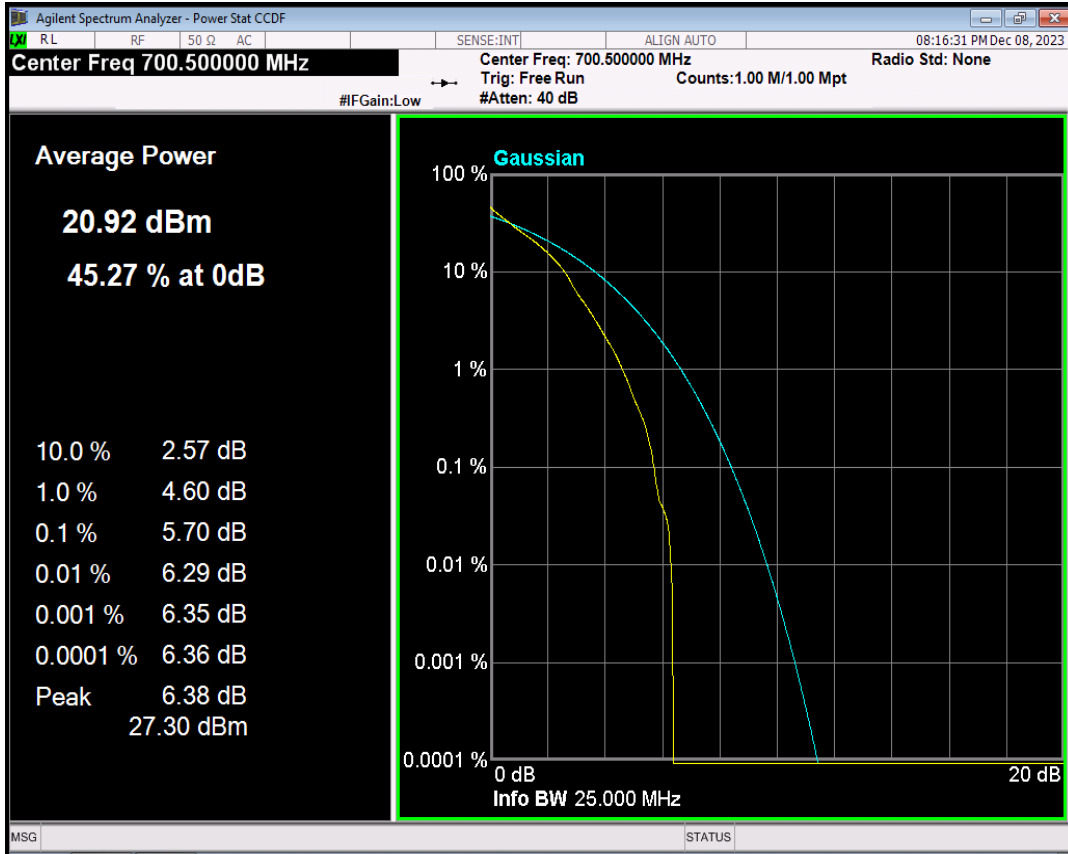
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



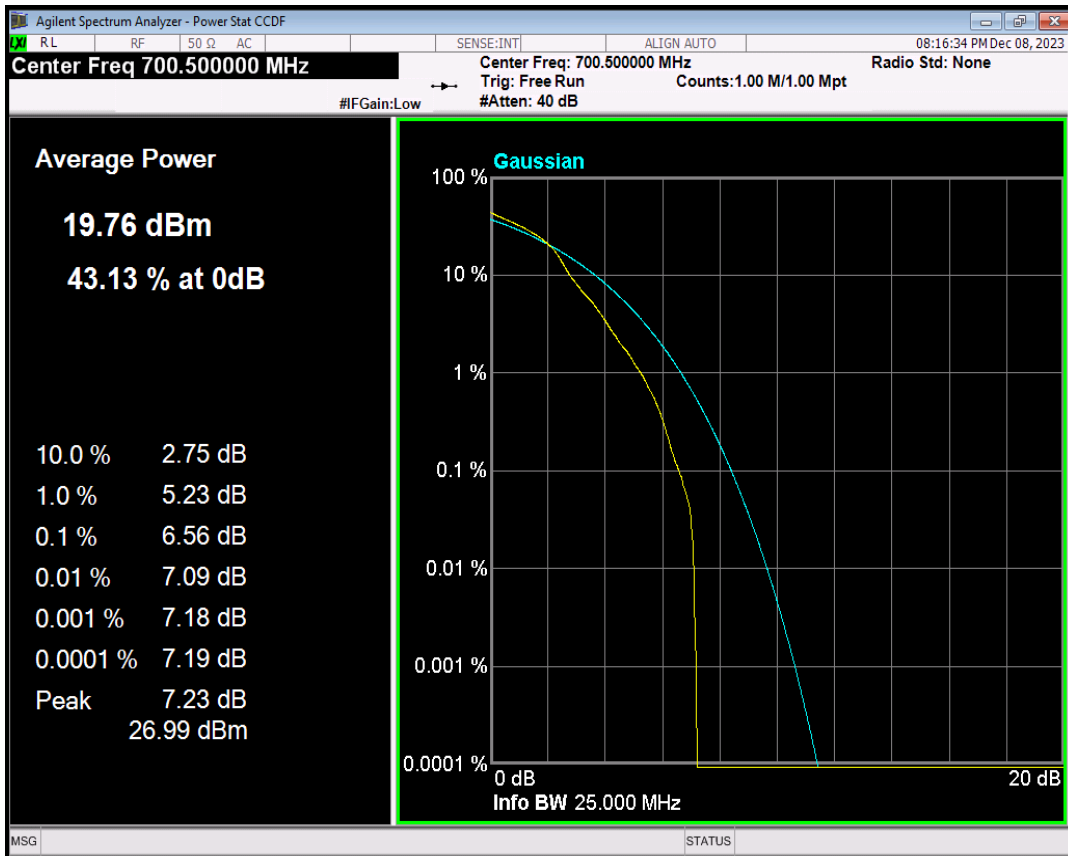
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



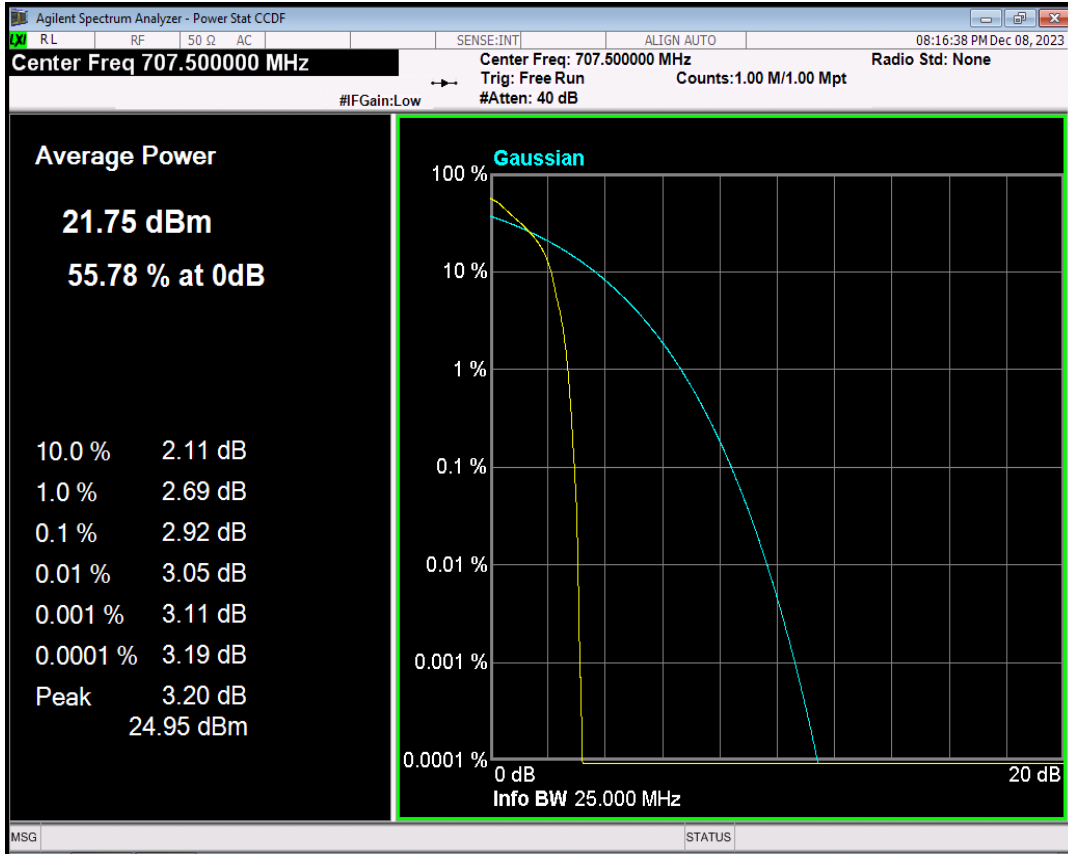
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



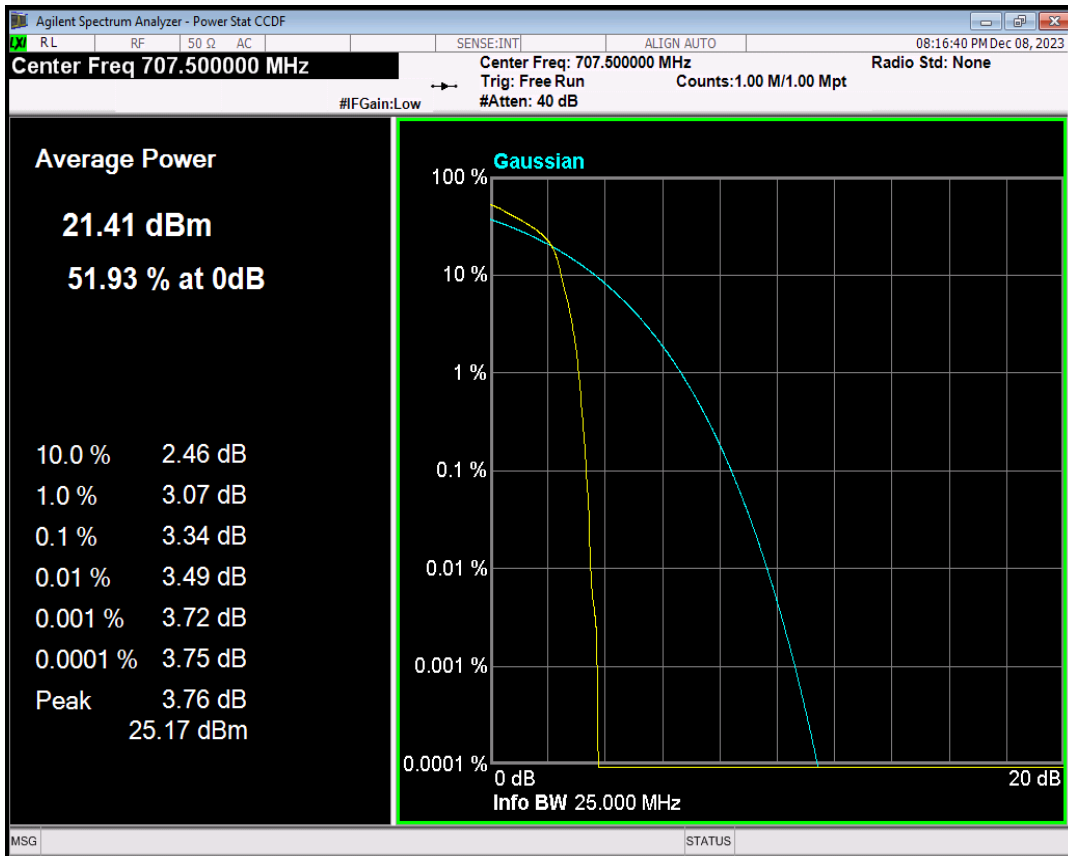
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



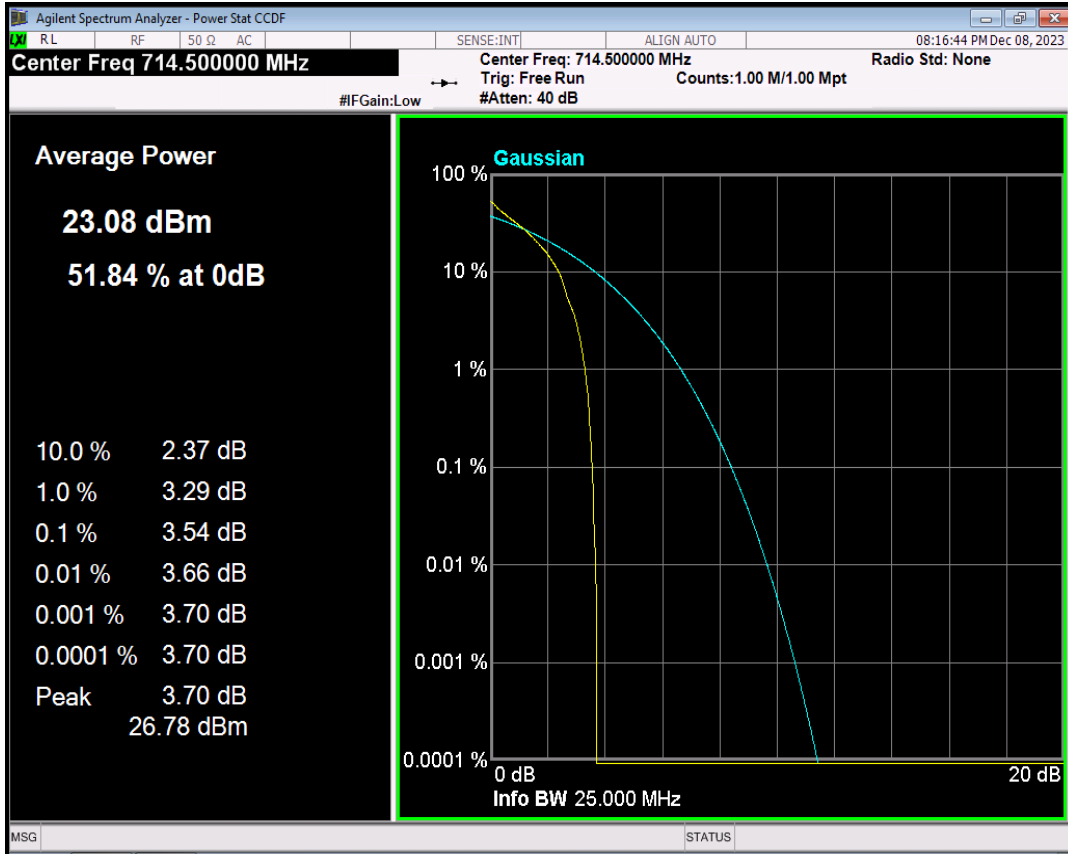
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



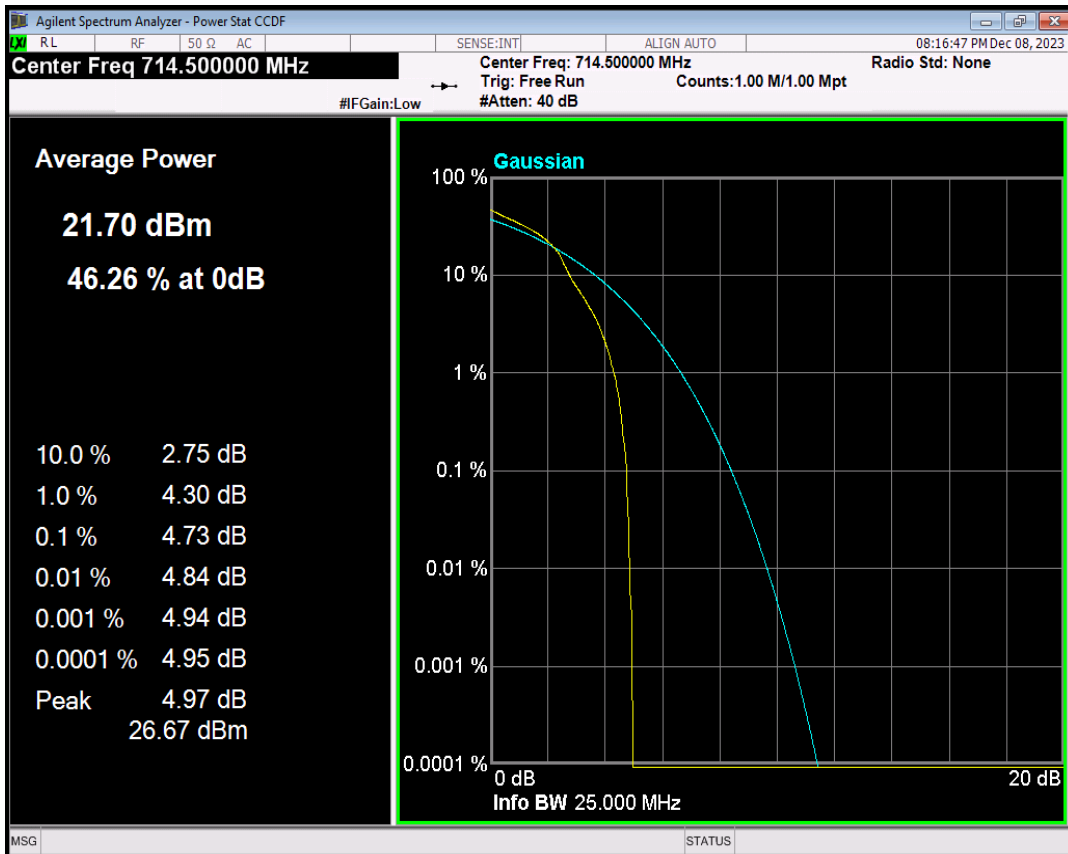
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



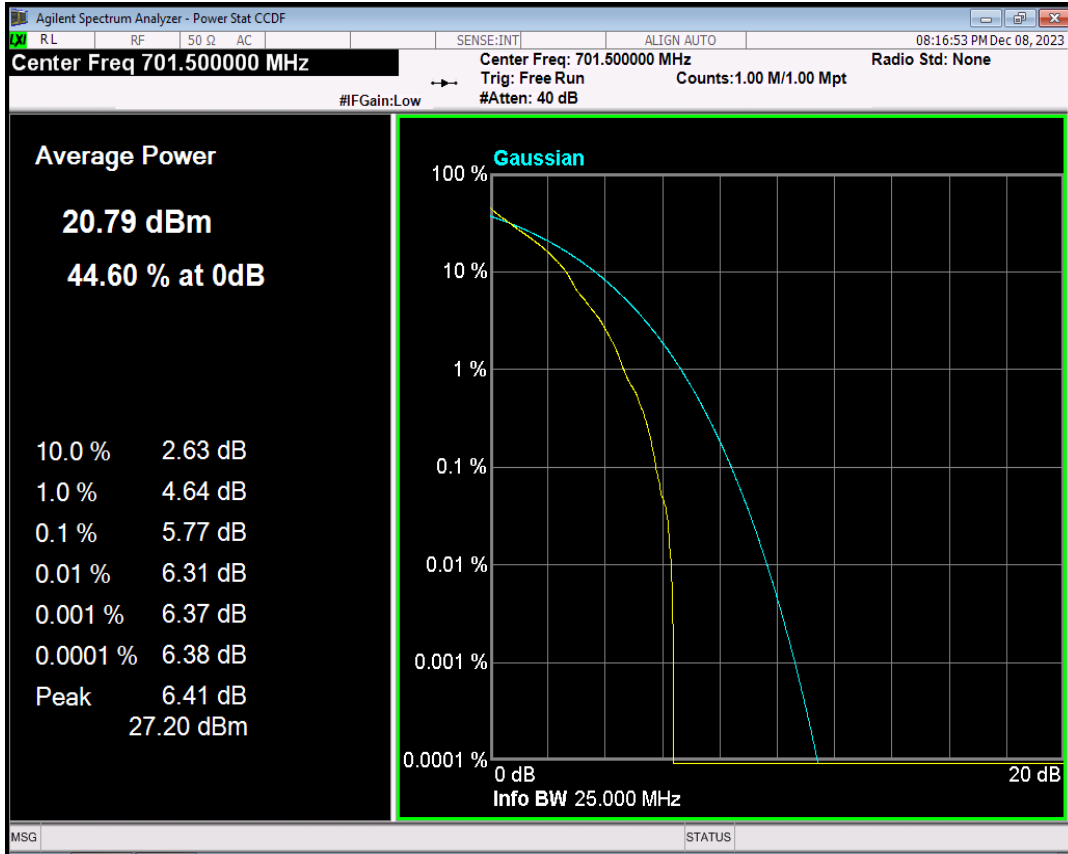
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



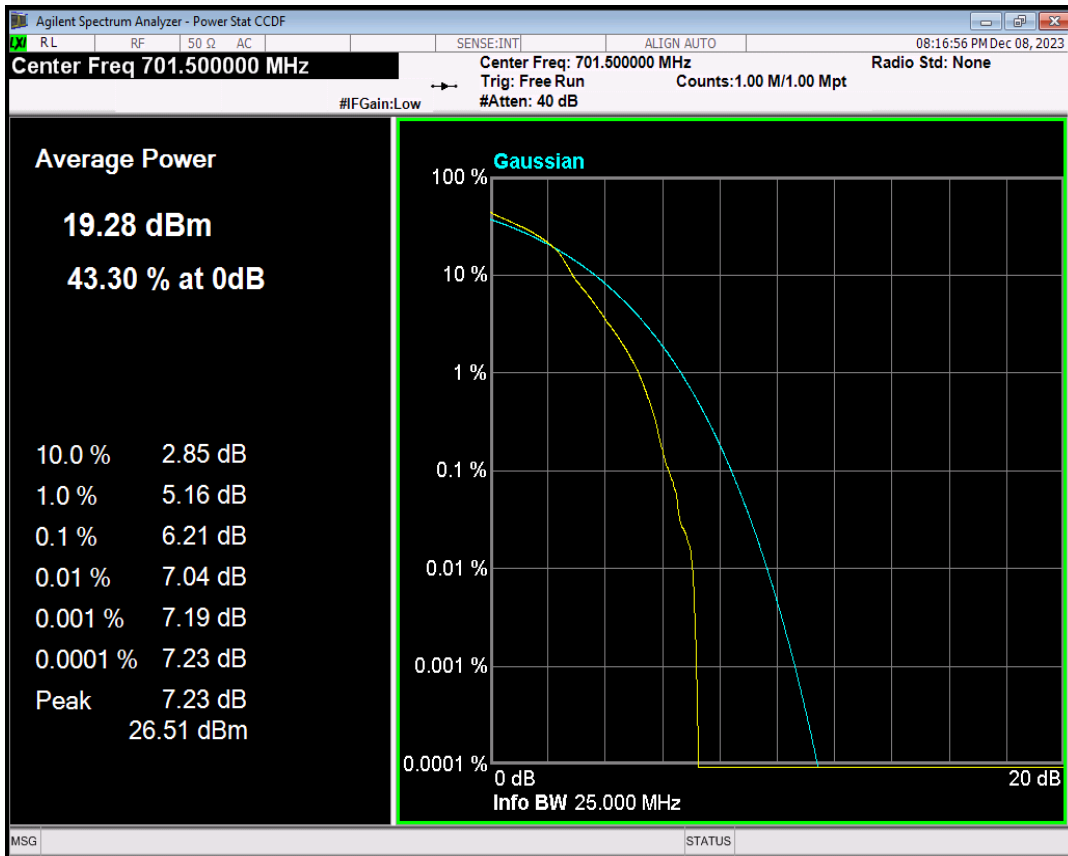
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



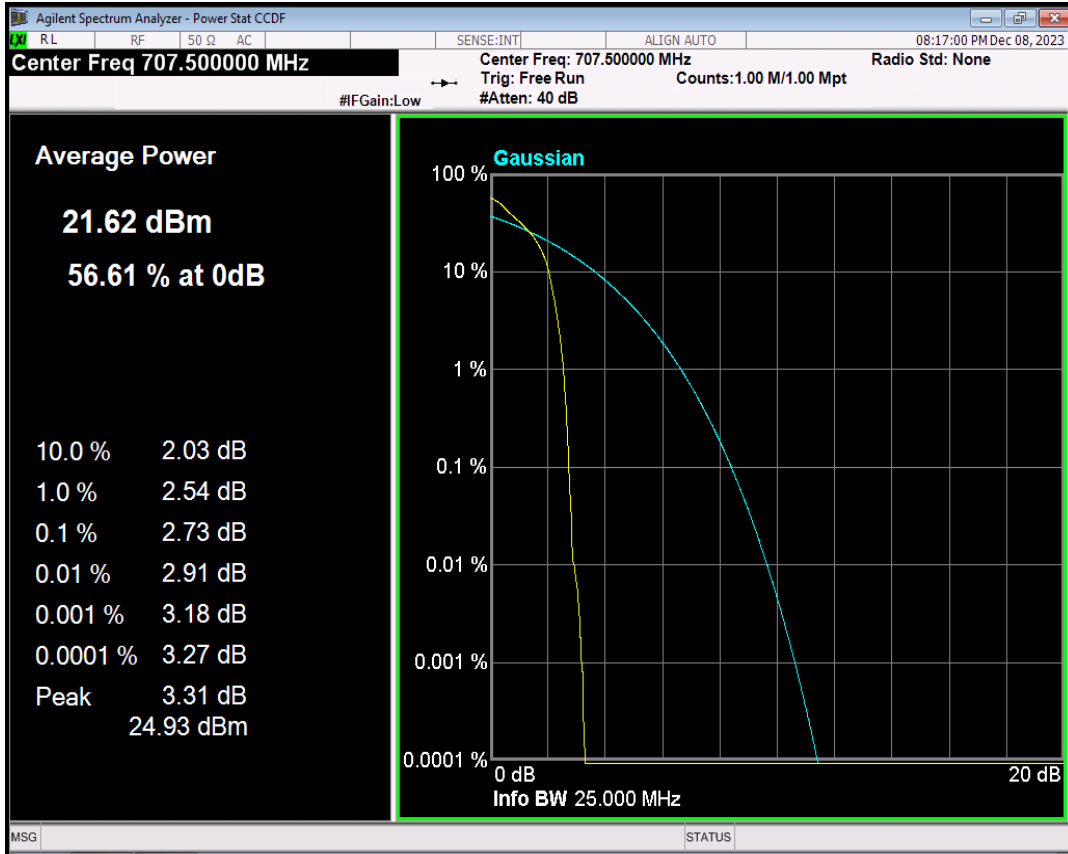
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



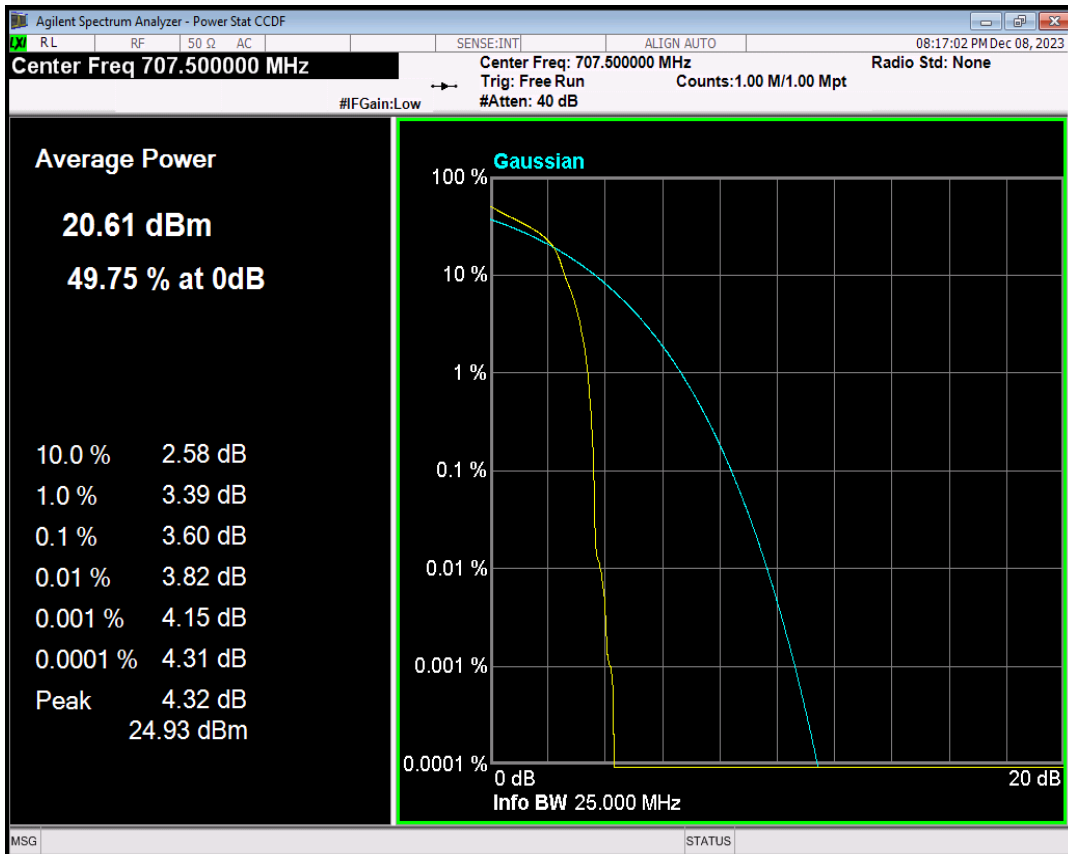
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



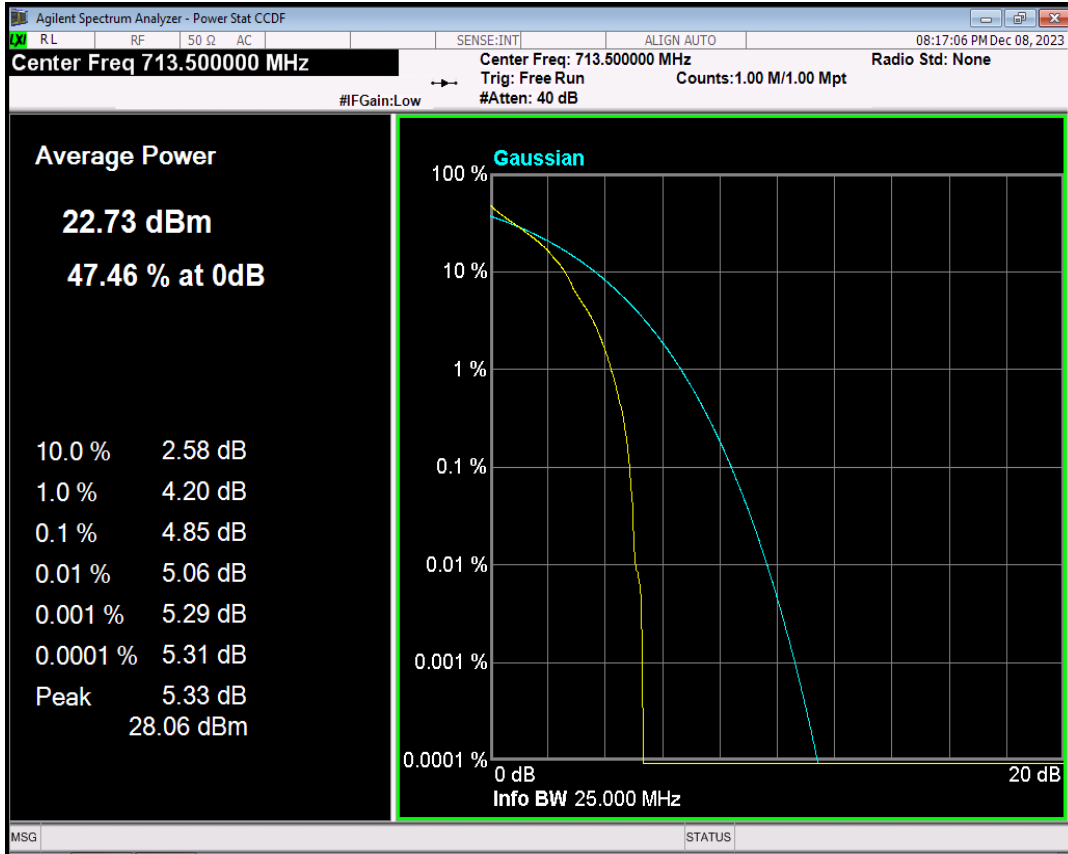
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



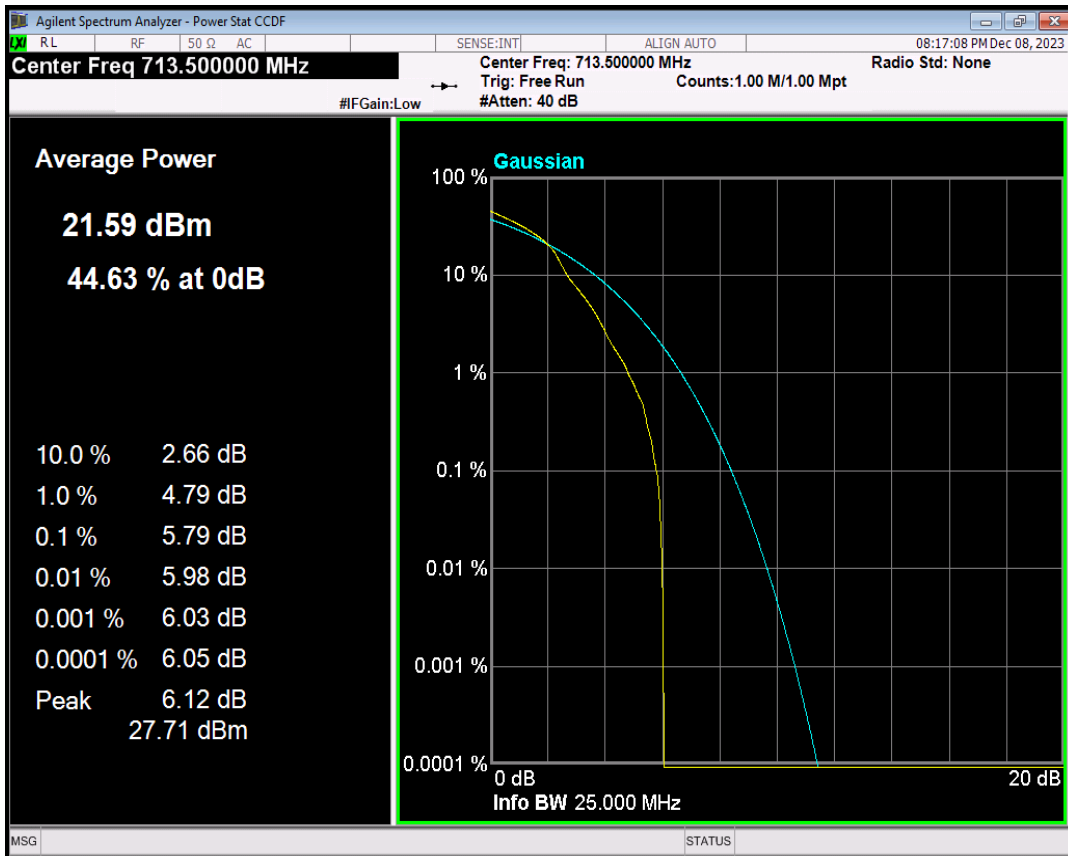
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



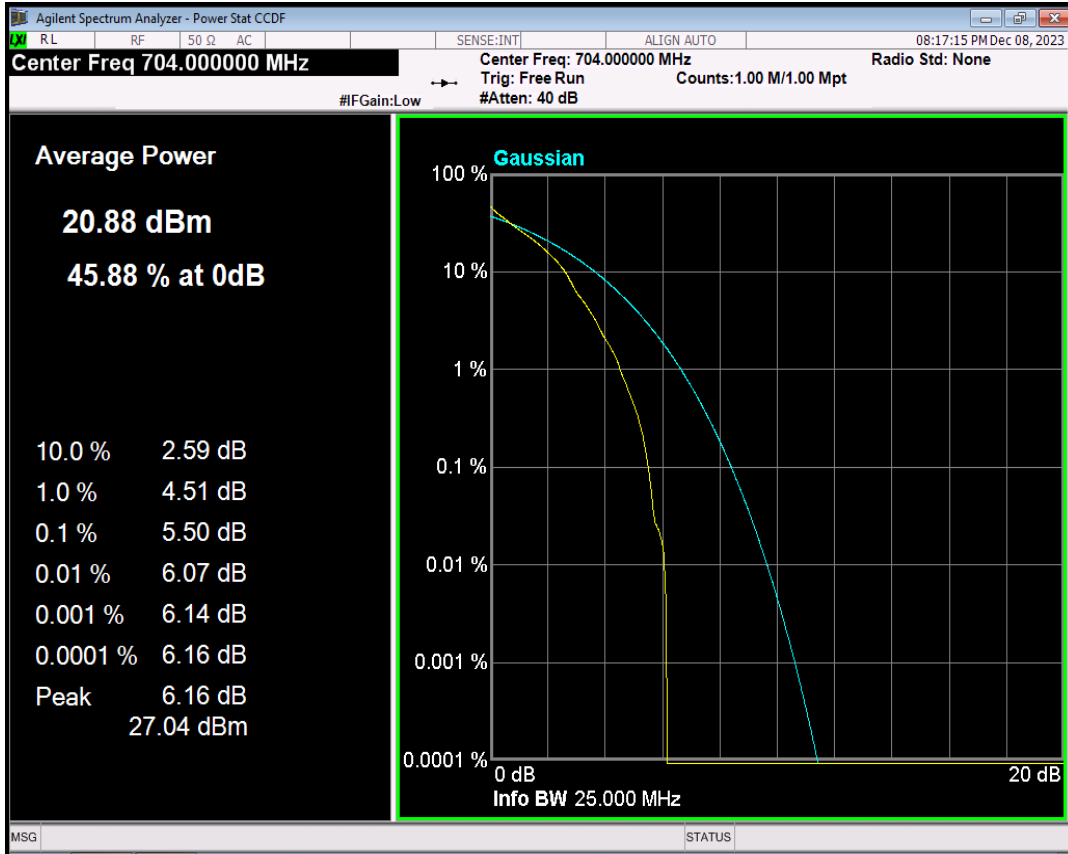
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



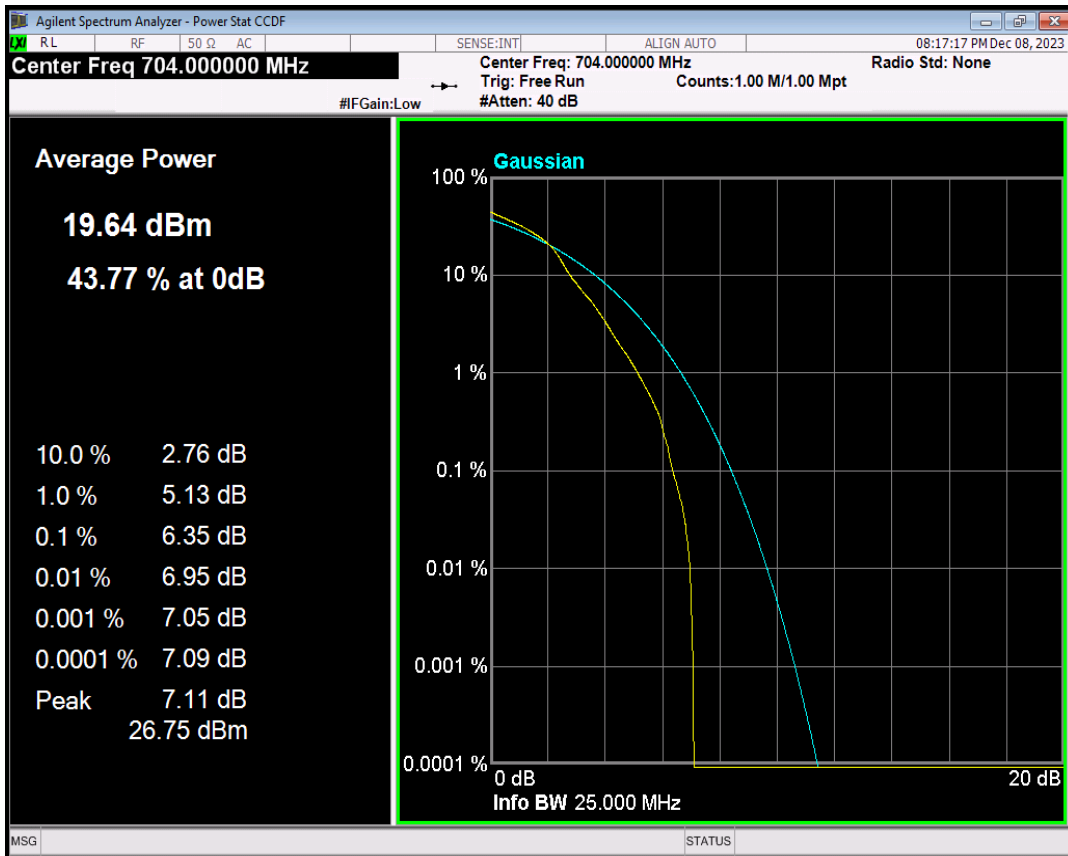
Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



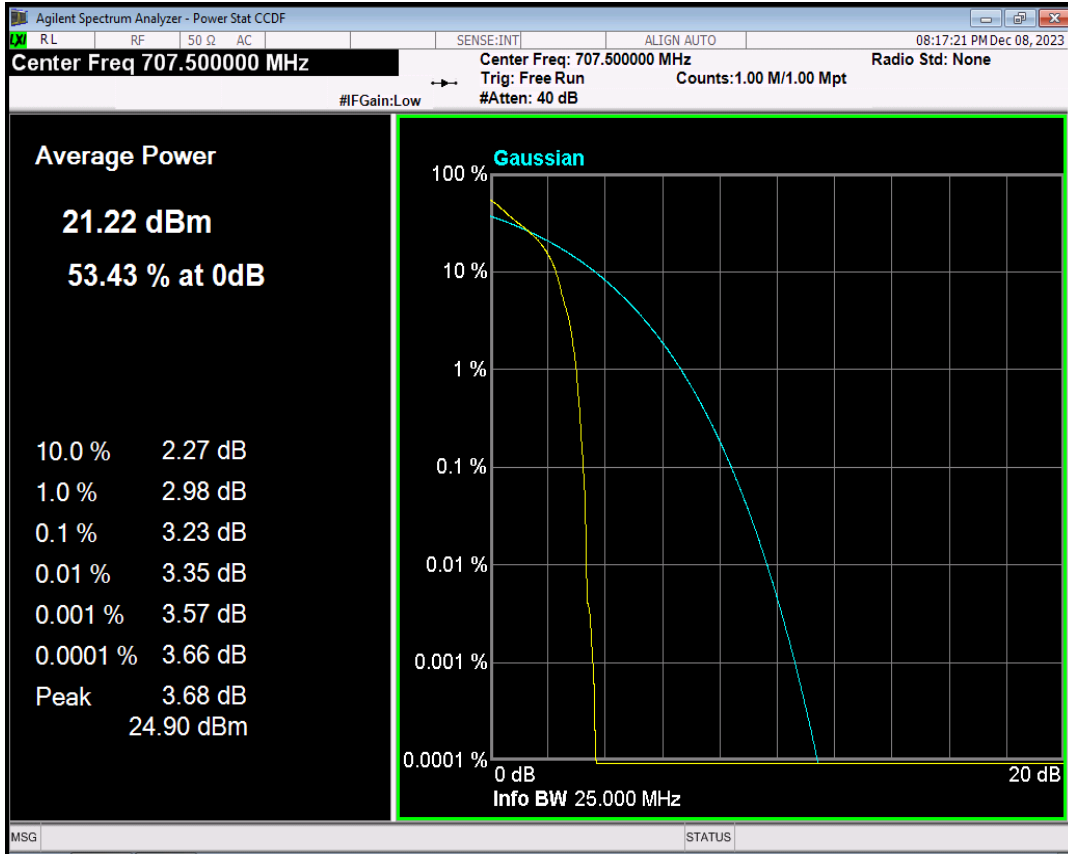
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



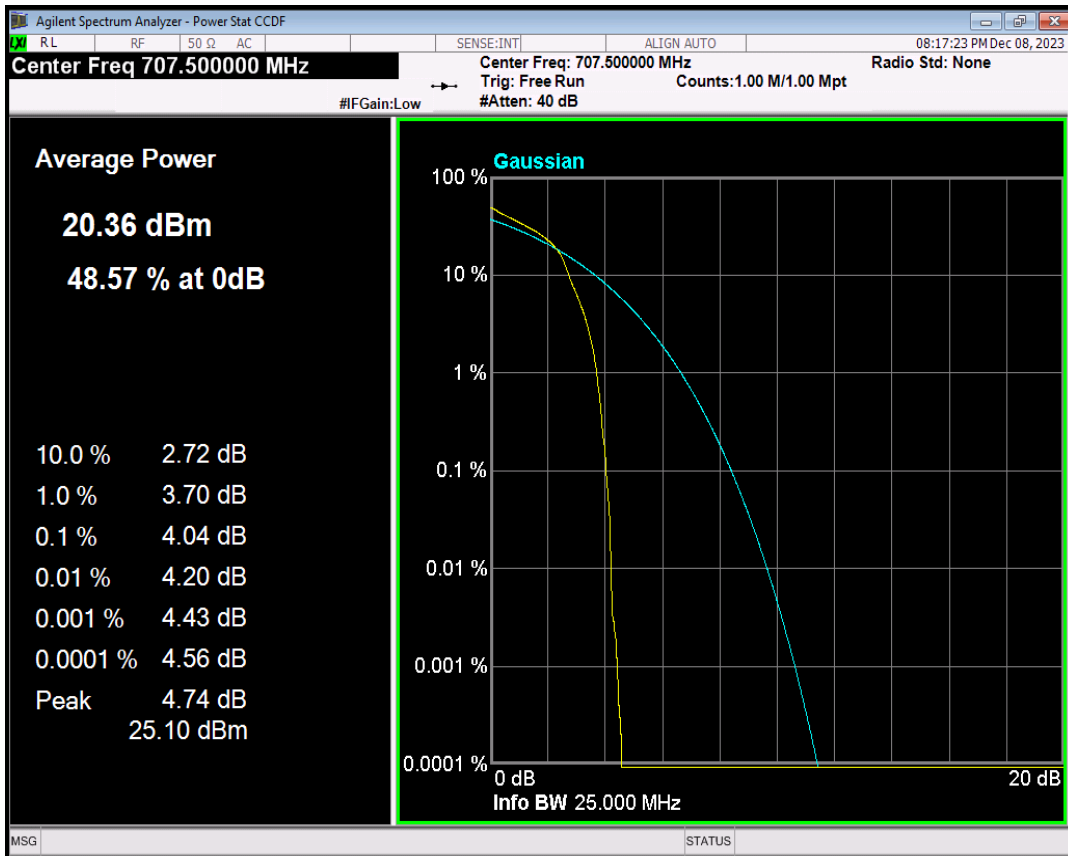
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



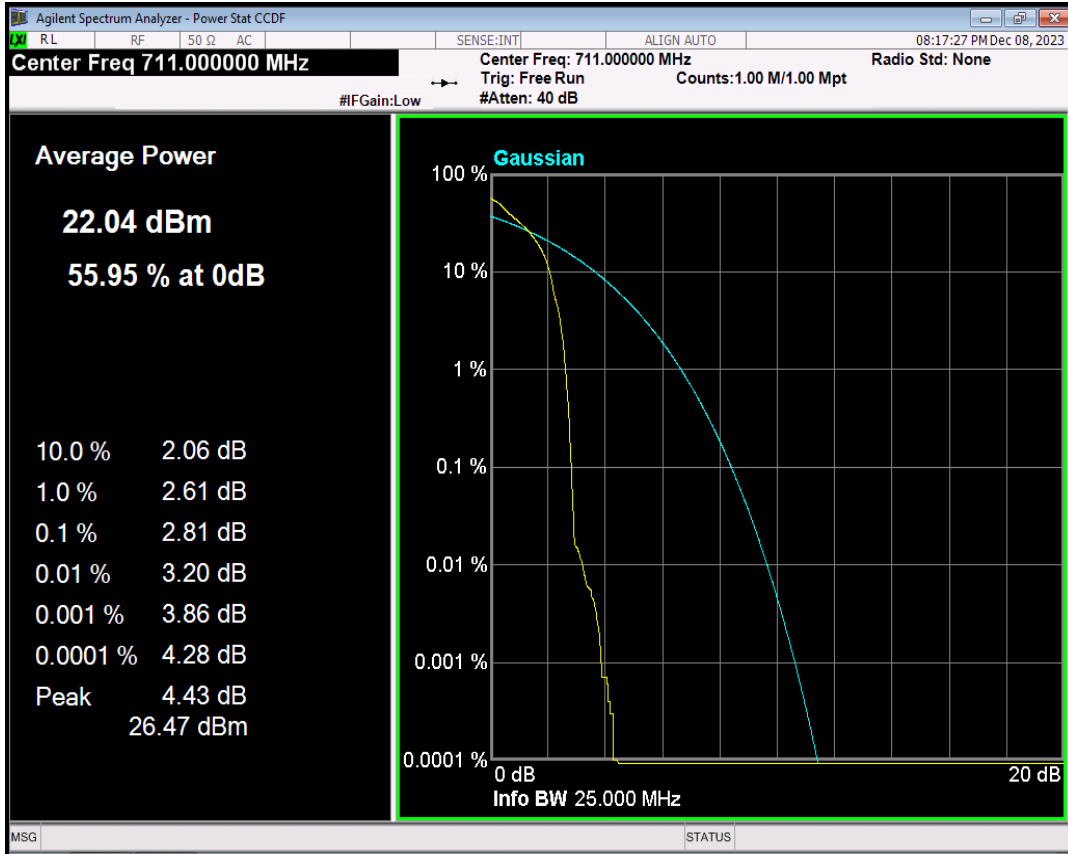
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



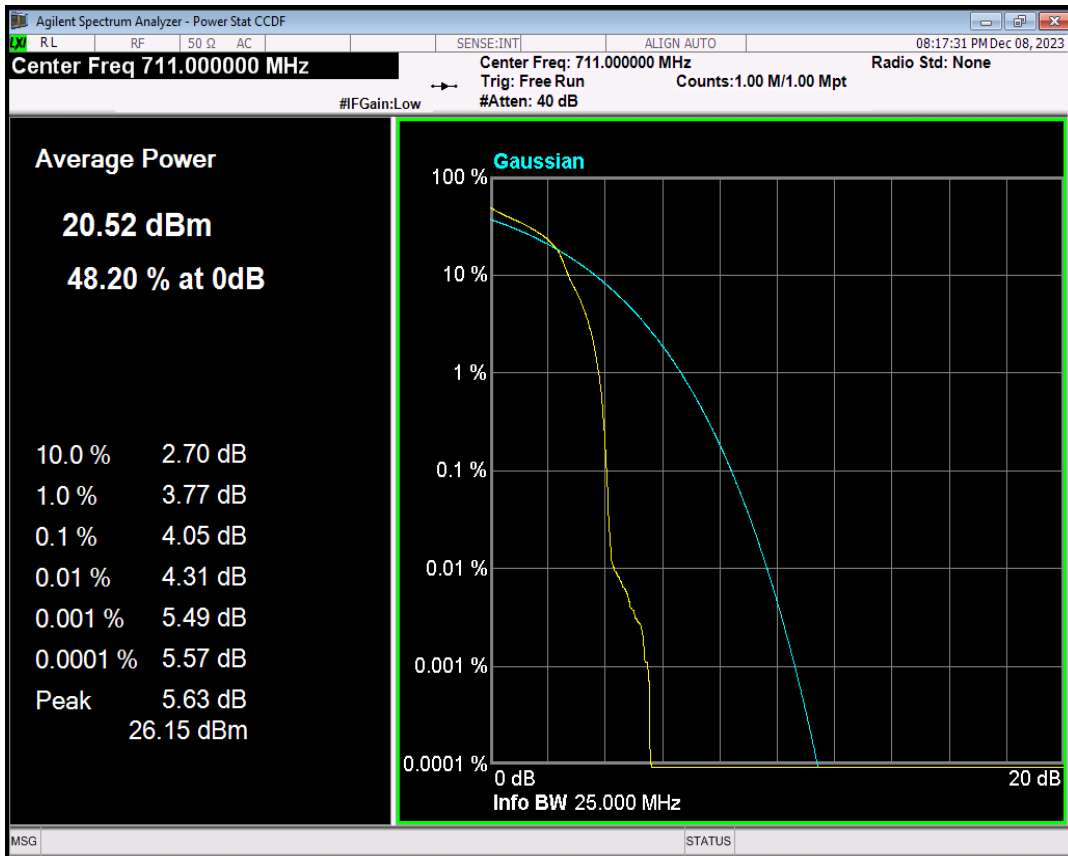
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



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



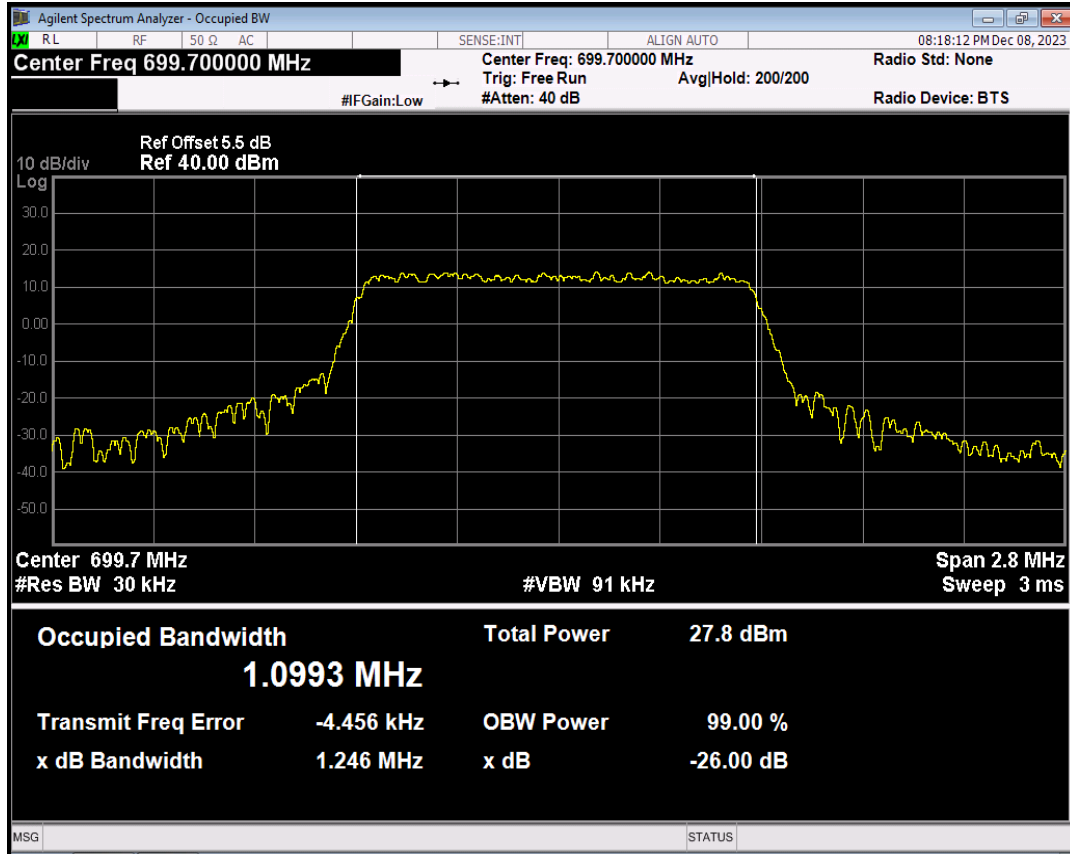
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



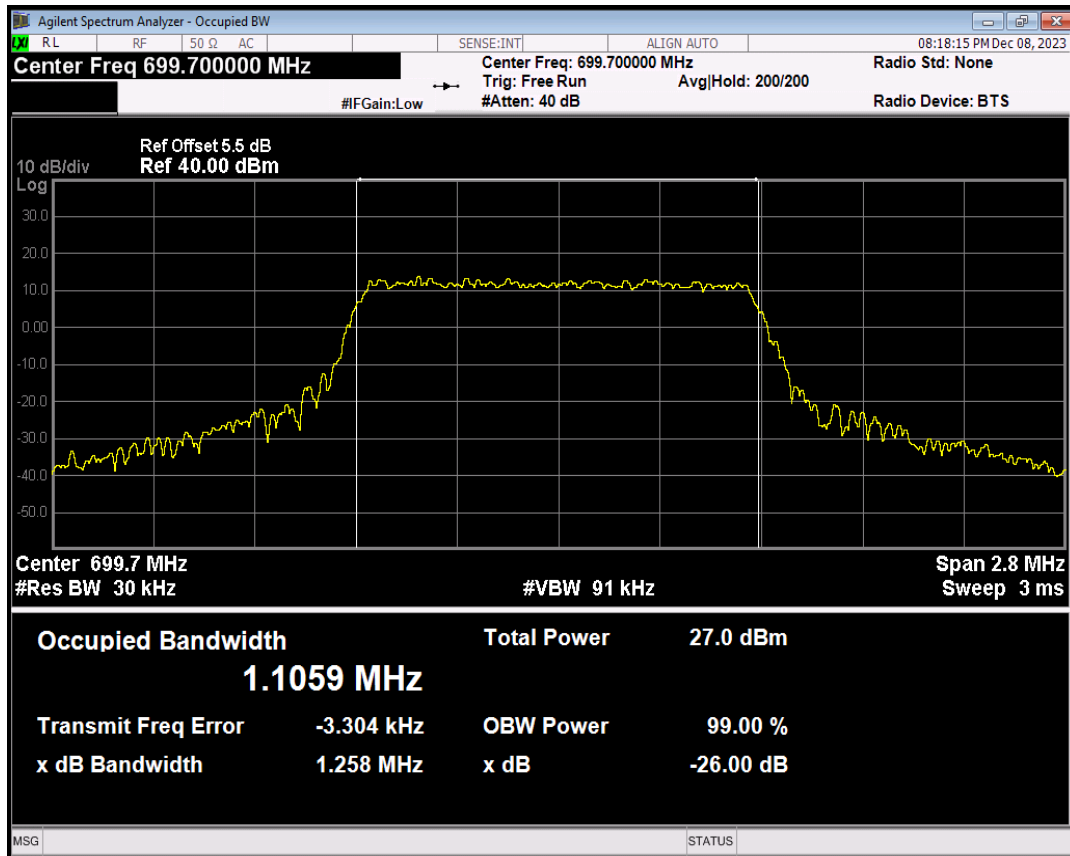
Appendix 4. Occupied bandwidth

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	1.246	PASS
Band12	1.4	23017	6	#0	16QAM	1.106	1.258	PASS
Band12	1.4	23095	6	#0	QPSK	1.101	1.310	PASS
Band12	1.4	23095	6	#0	16QAM	1.092	1.254	PASS
Band12	1.4	23173	6	#0	QPSK	1.109	1.330	PASS
Band12	1.4	23173	6	#0	16QAM	1.104	1.271	PASS
Band12	3	23025	15	#0	QPSK	2.713	3.044	PASS
Band12	3	23025	15	#0	16QAM	2.719	3.025	PASS
Band12	3	23095	15	#0	QPSK	2.706	3.049	PASS
Band12	3	23095	15	#0	16QAM	2.714	3.050	PASS
Band12	3	23165	15	#0	QPSK	2.713	3.063	PASS
Band12	3	23165	15	#0	16QAM	2.712	3.069	PASS
Band12	5	23035	25	#0	QPSK	4.523	5.230	PASS
Band12	5	23035	25	#0	16QAM	4.527	5.071	PASS
Band12	5	23095	25	#0	QPSK	4.514	5.251	PASS
Band12	5	23095	25	#0	16QAM	4.517	5.318	PASS
Band12	5	23155	25	#0	QPSK	4.528	5.647	PASS
Band12	5	23155	25	#0	16QAM	4.531	5.313	PASS
Band12	10	23060	50	#0	QPSK	9.028	9.853	PASS
Band12	10	23060	50	#0	16QAM	9.012	9.900	PASS
Band12	10	23095	50	#0	QPSK	8.933	9.771	PASS
Band12	10	23095	50	#0	16QAM	8.972	9.850	PASS
Band12	10	23130	50	#0	QPSK	9.022	9.914	PASS
Band12	10	23130	50	#0	16QAM	9.001	10.081	PASS

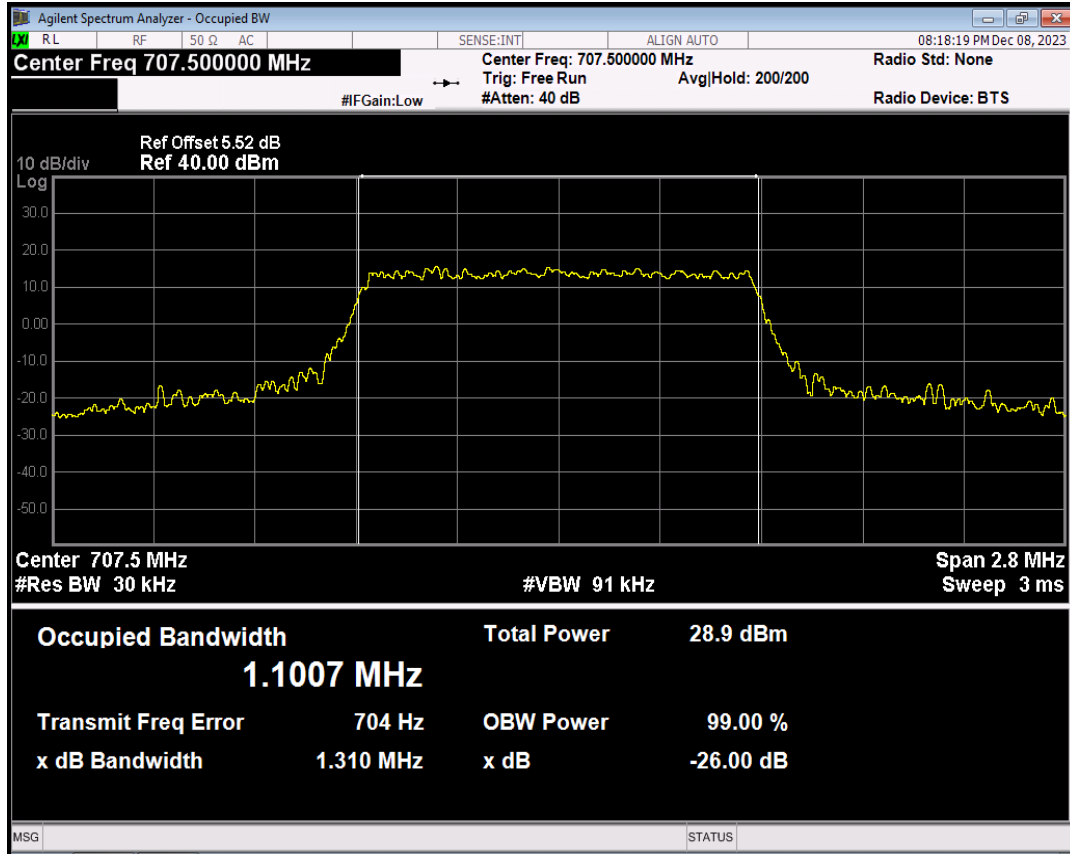
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



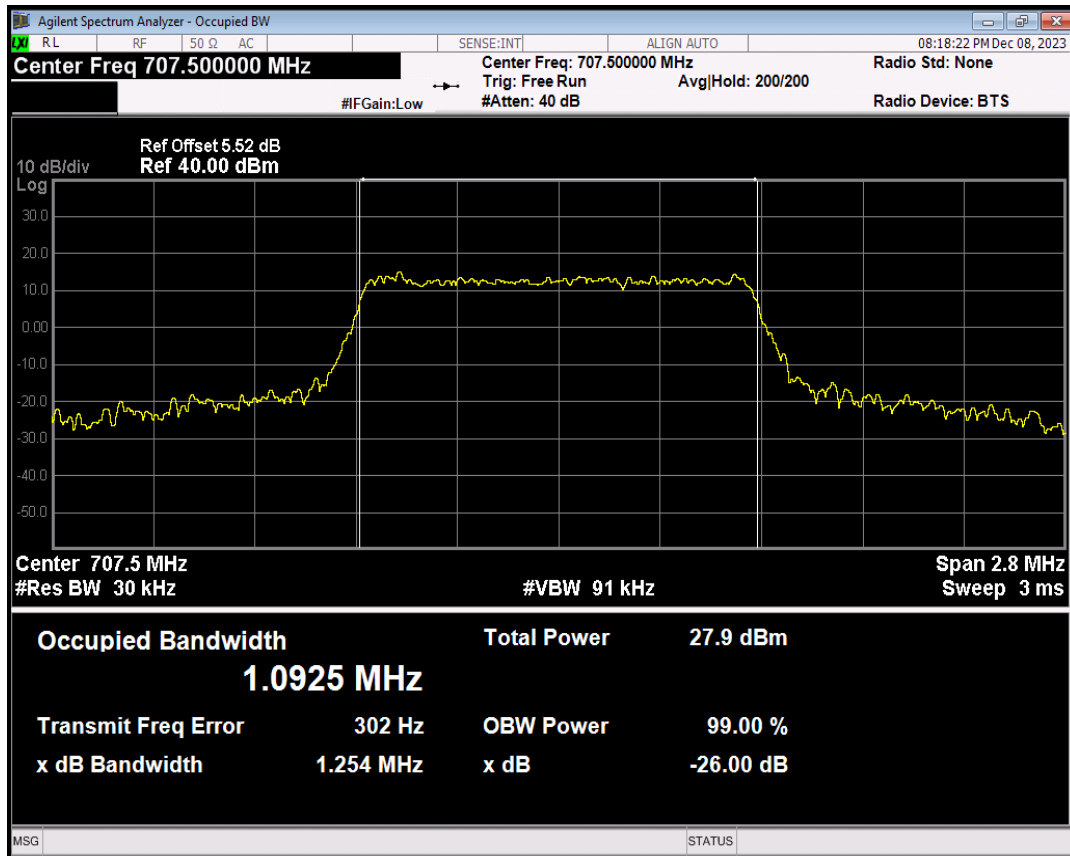
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



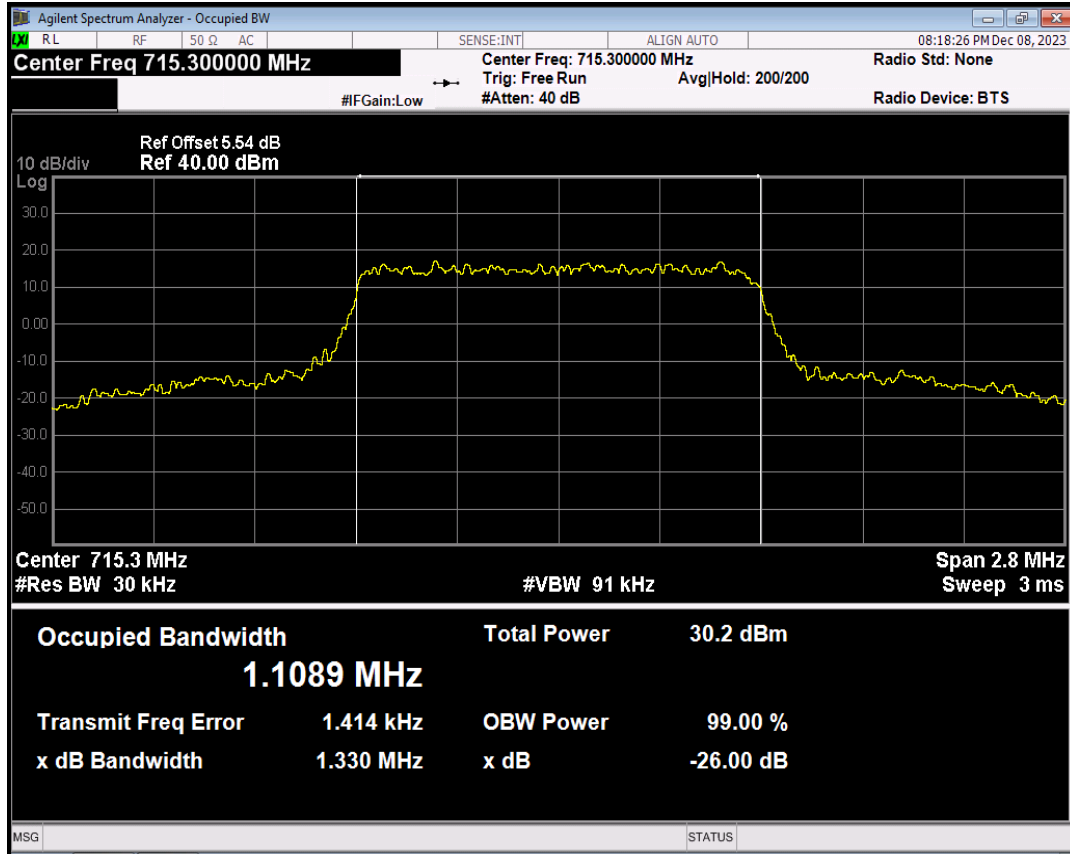
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



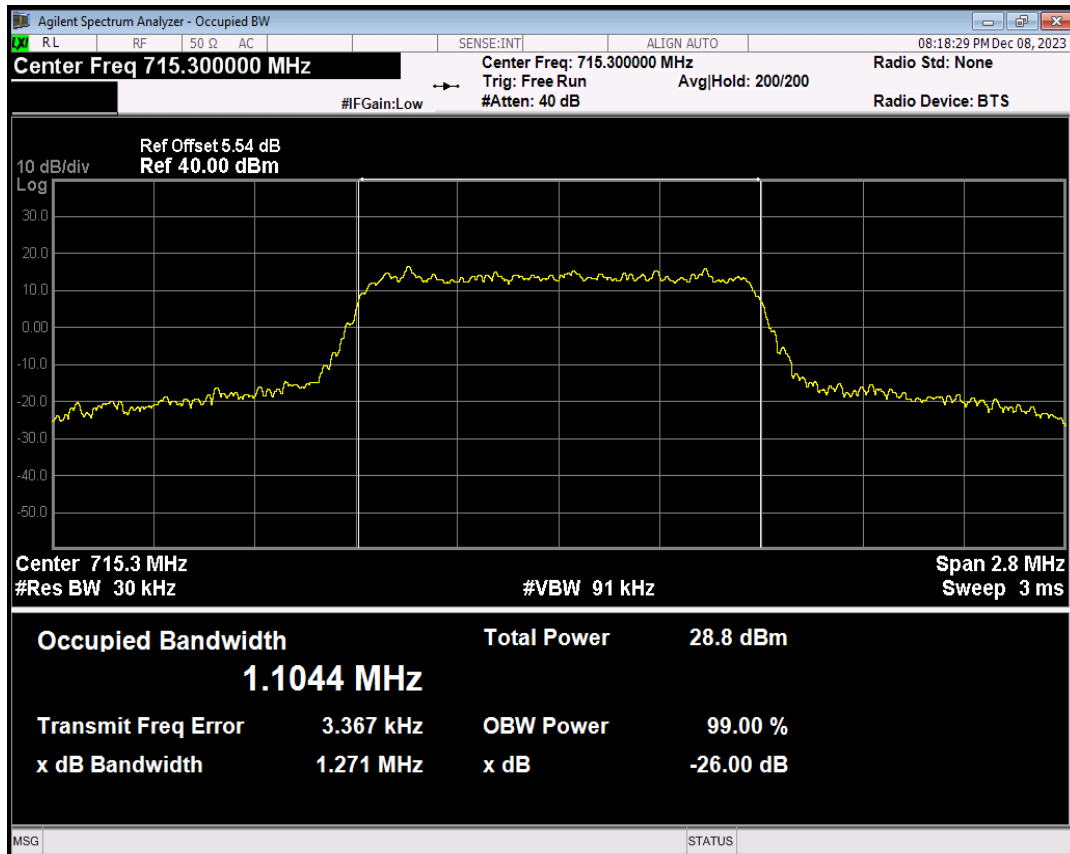
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



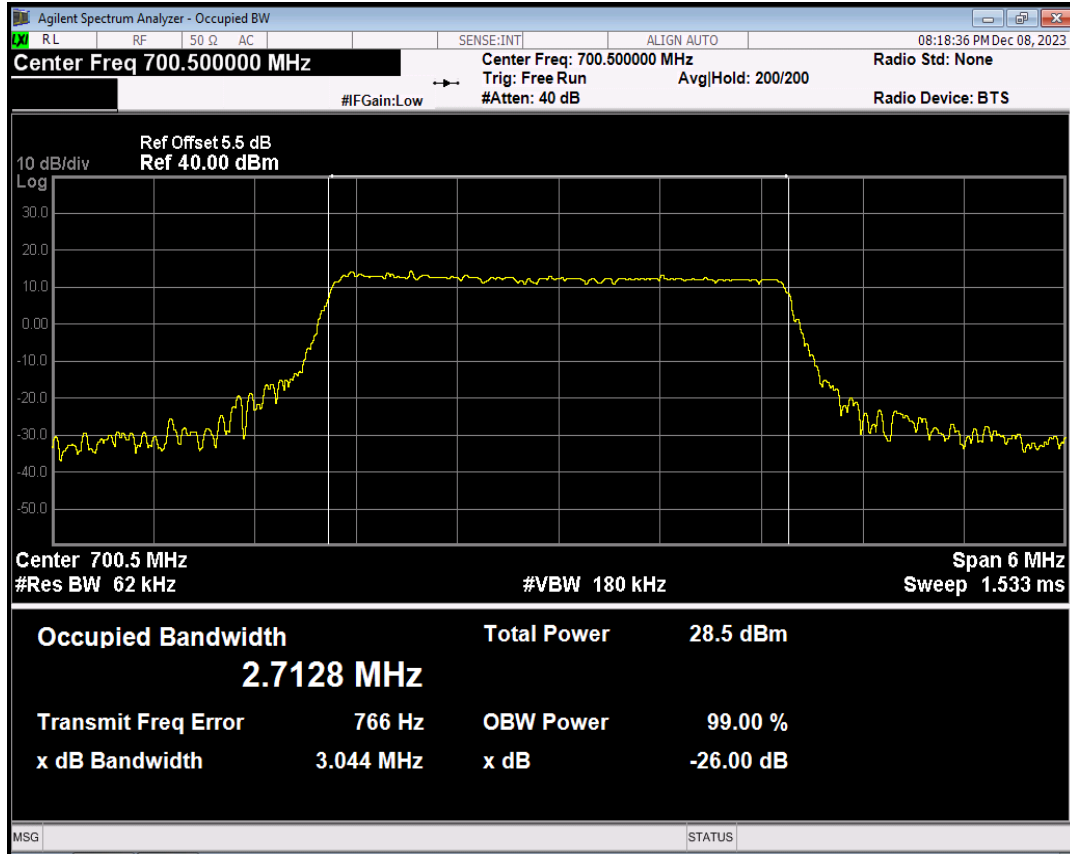
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



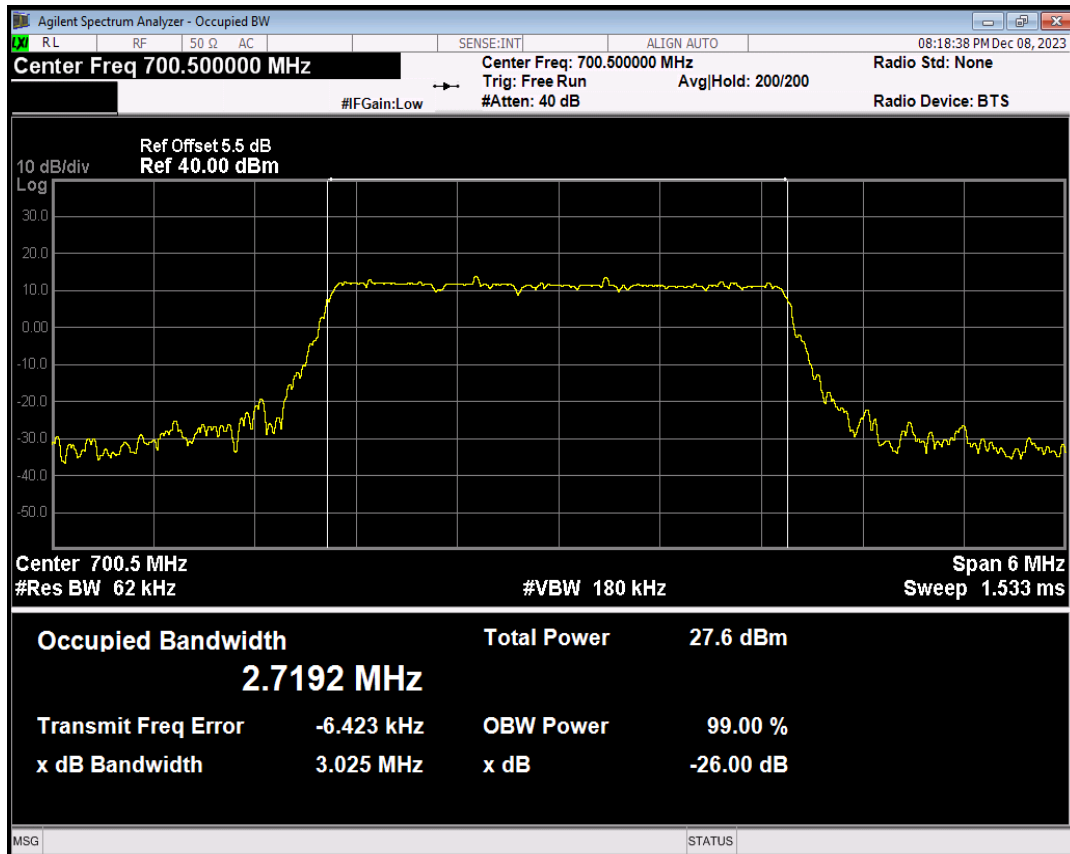
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



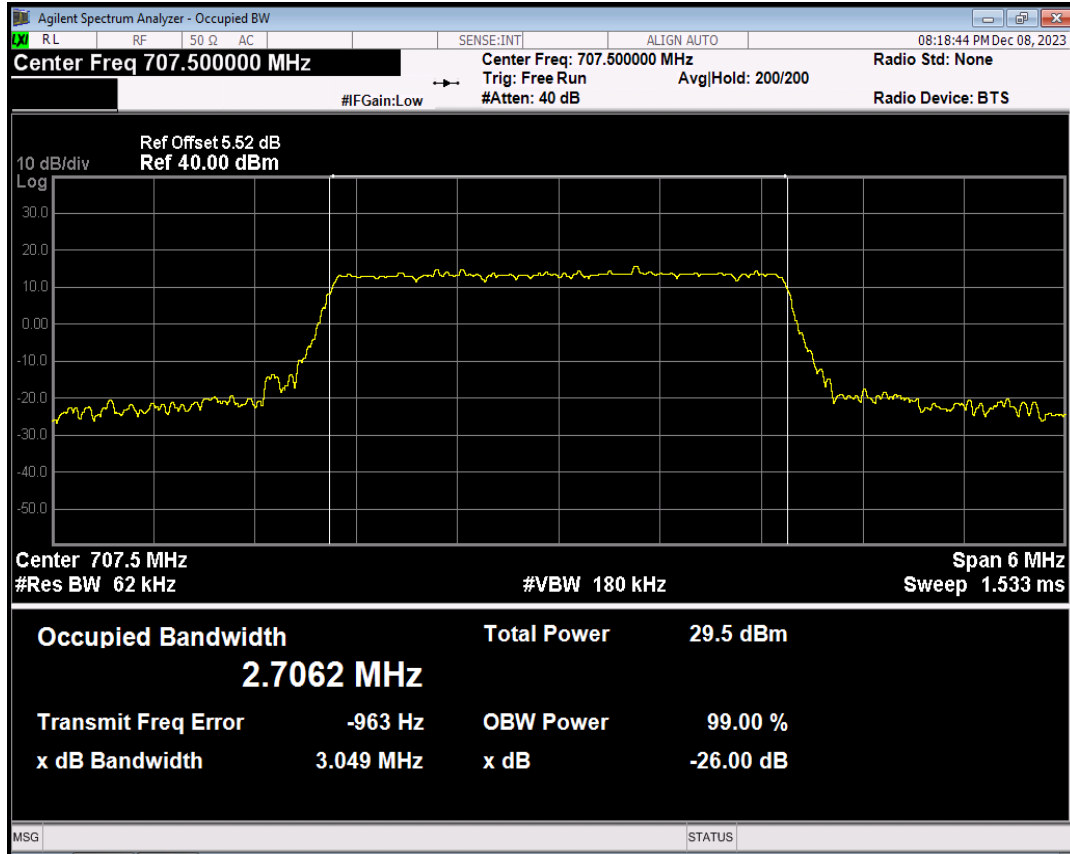
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



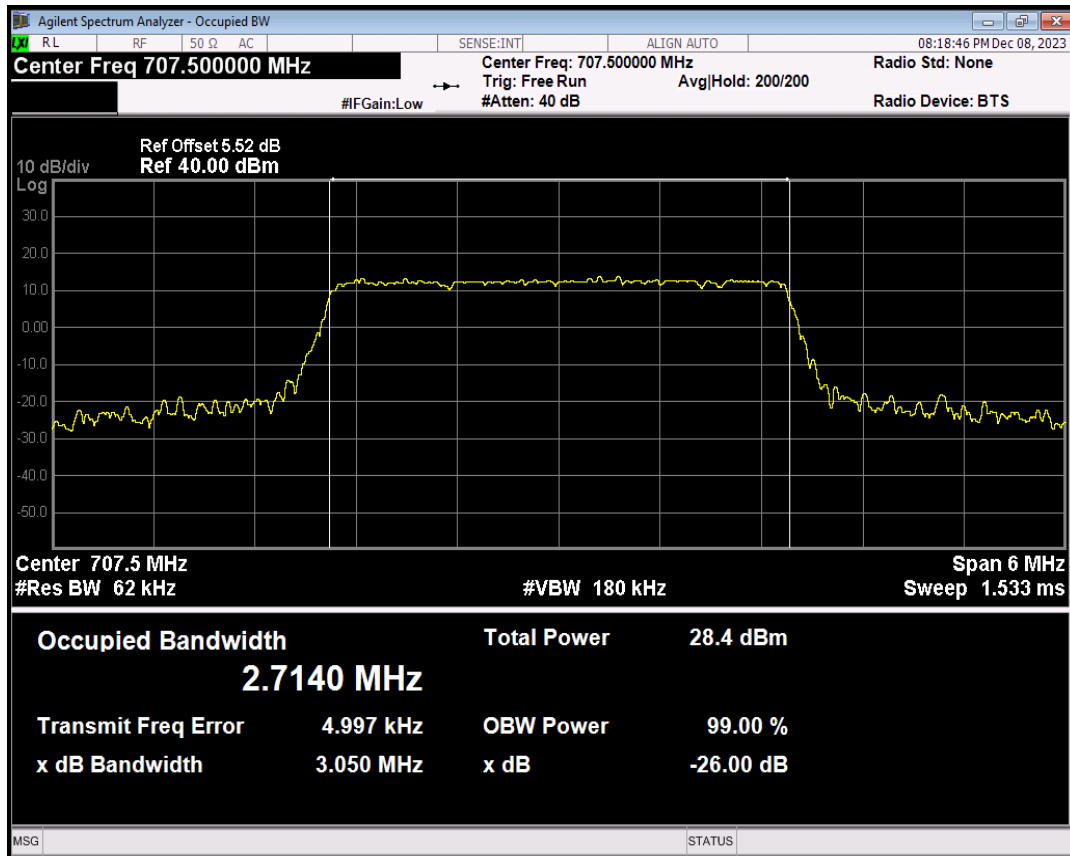
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



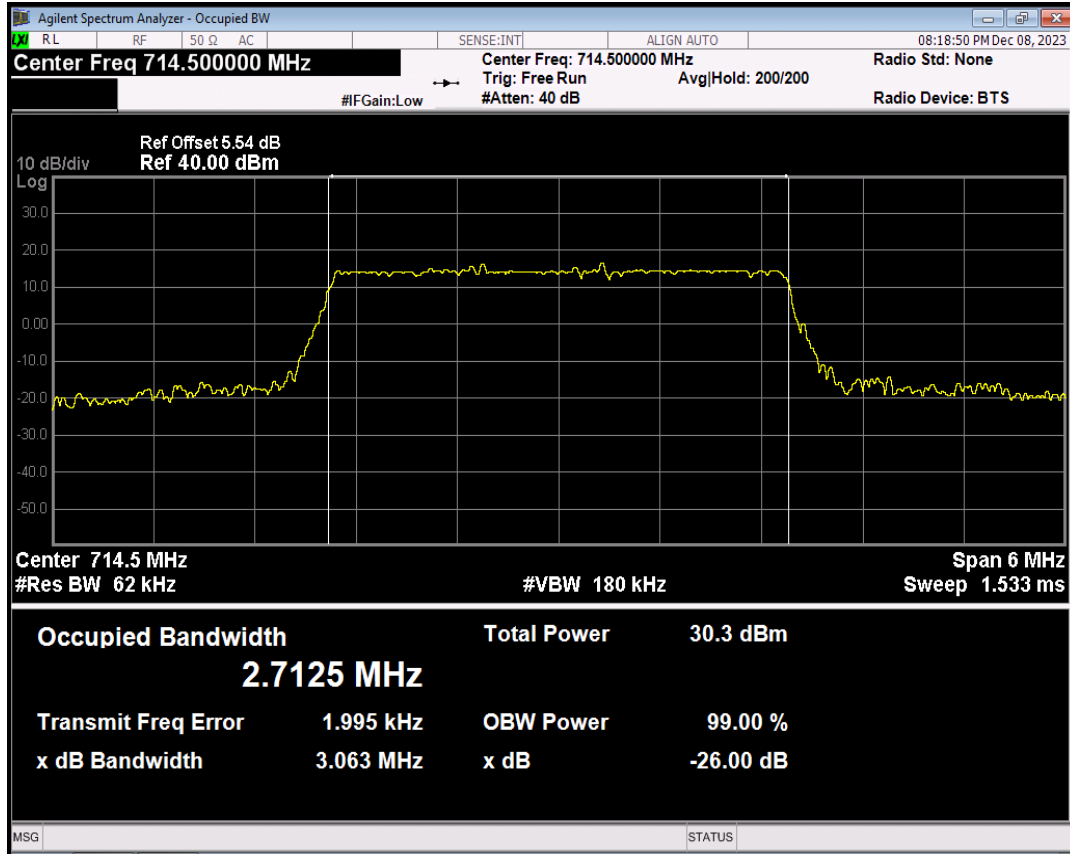
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



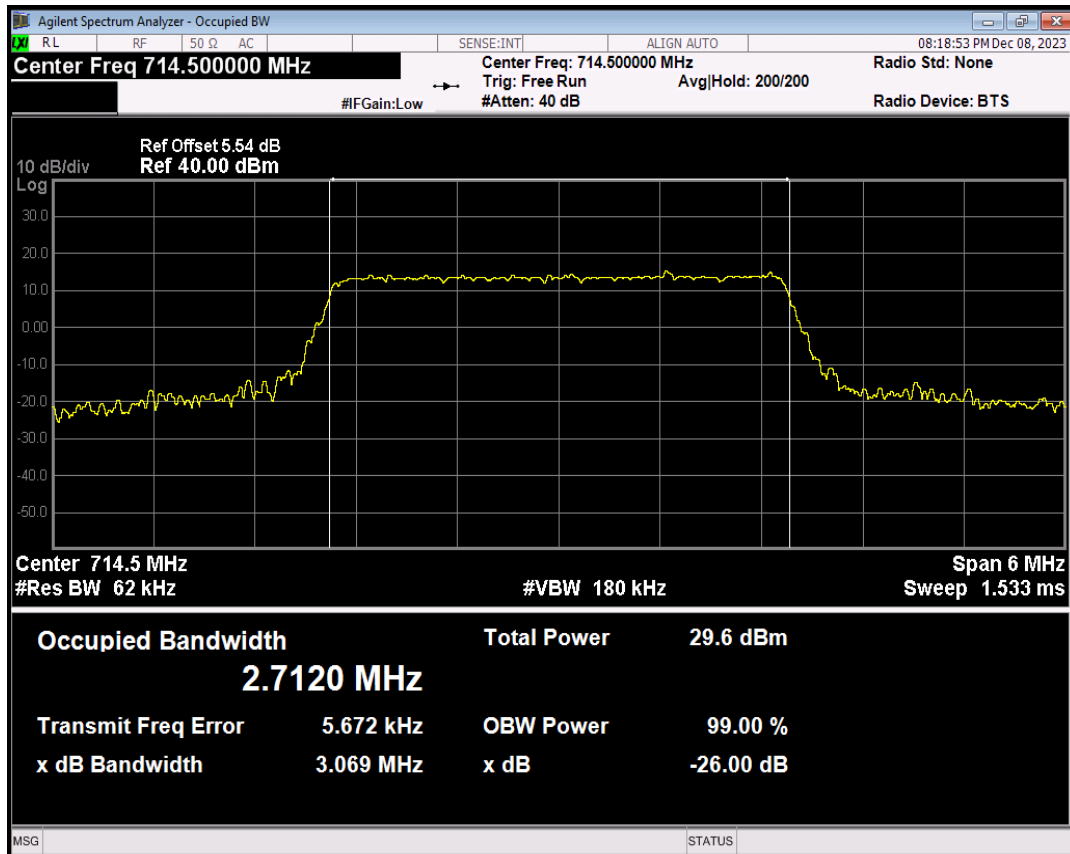
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



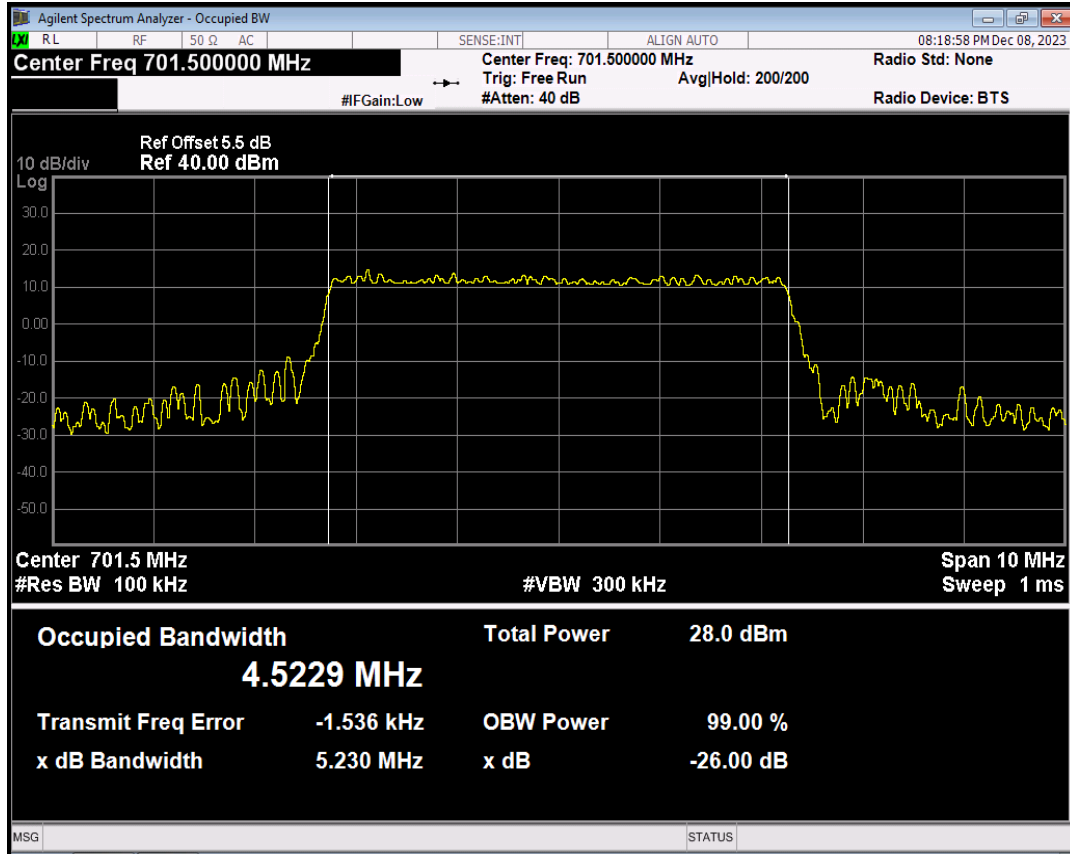
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



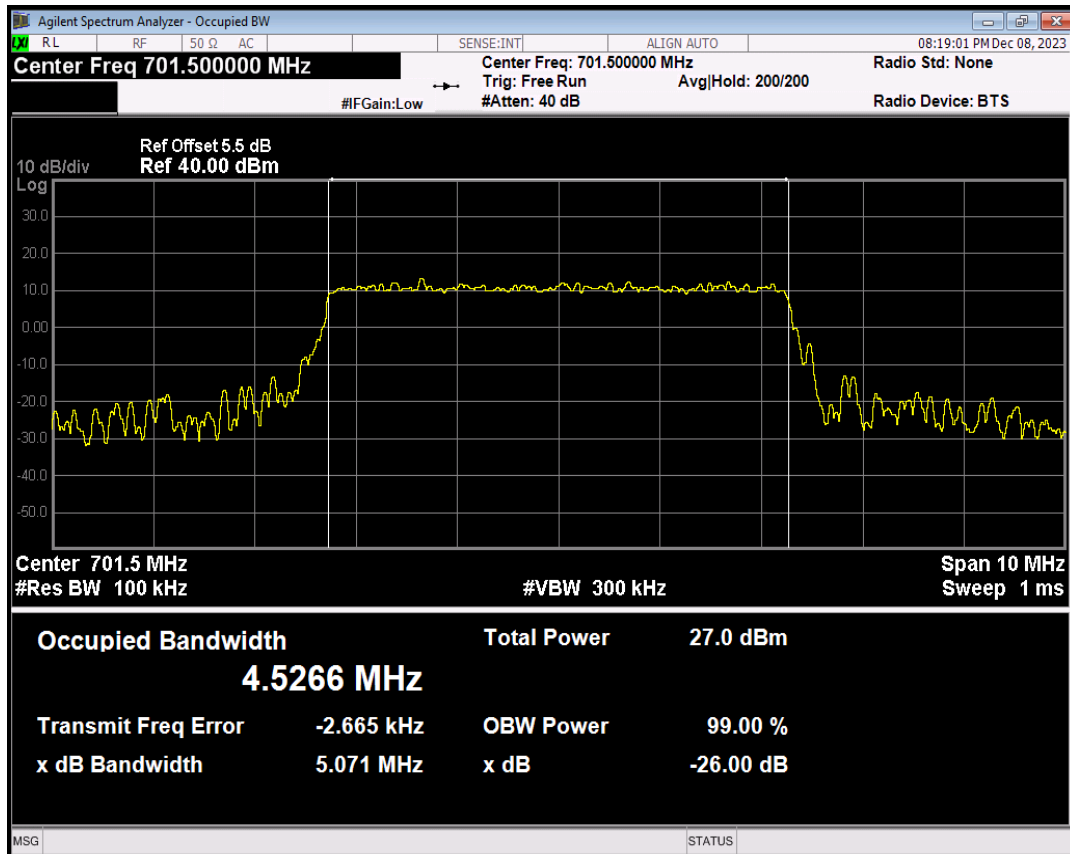
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



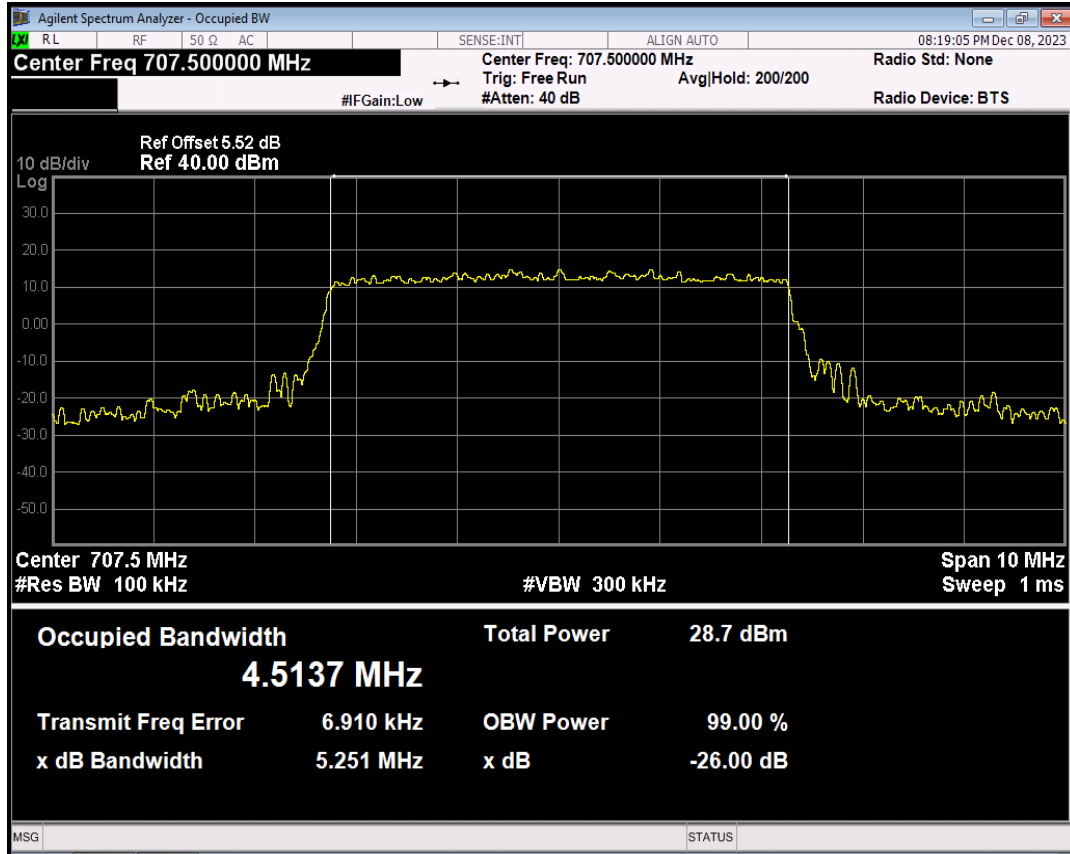
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



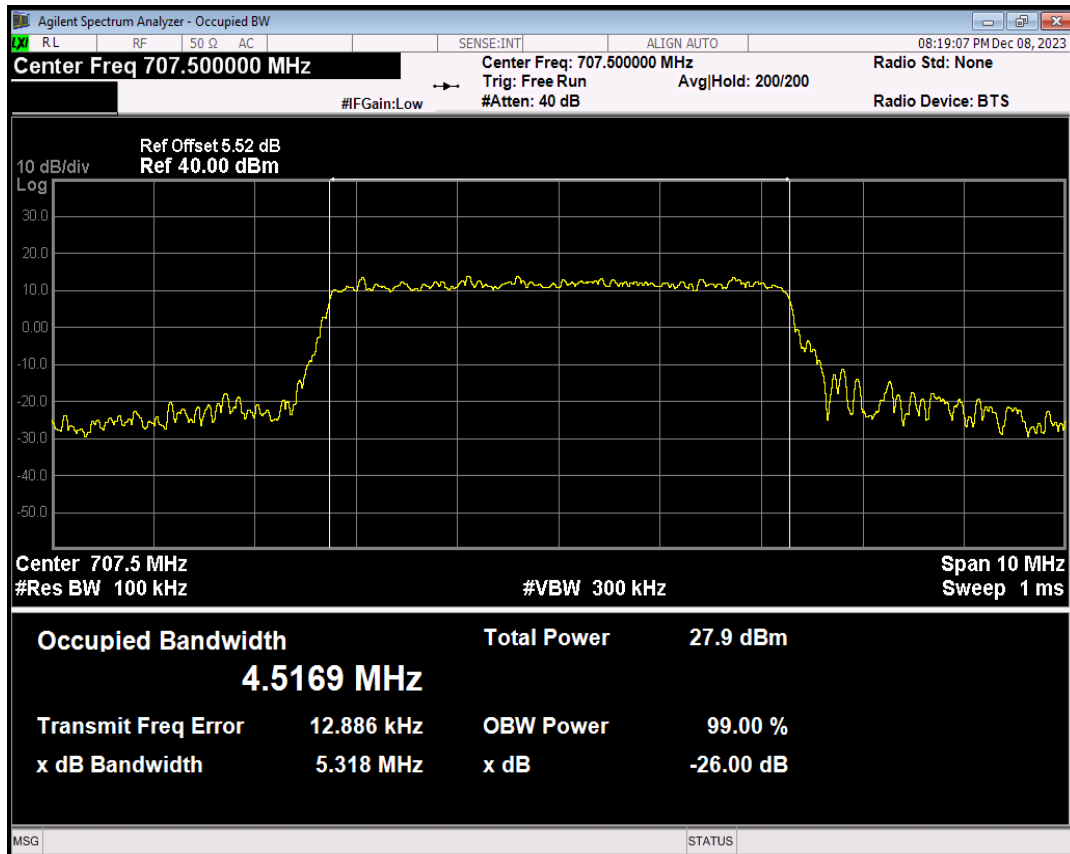
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



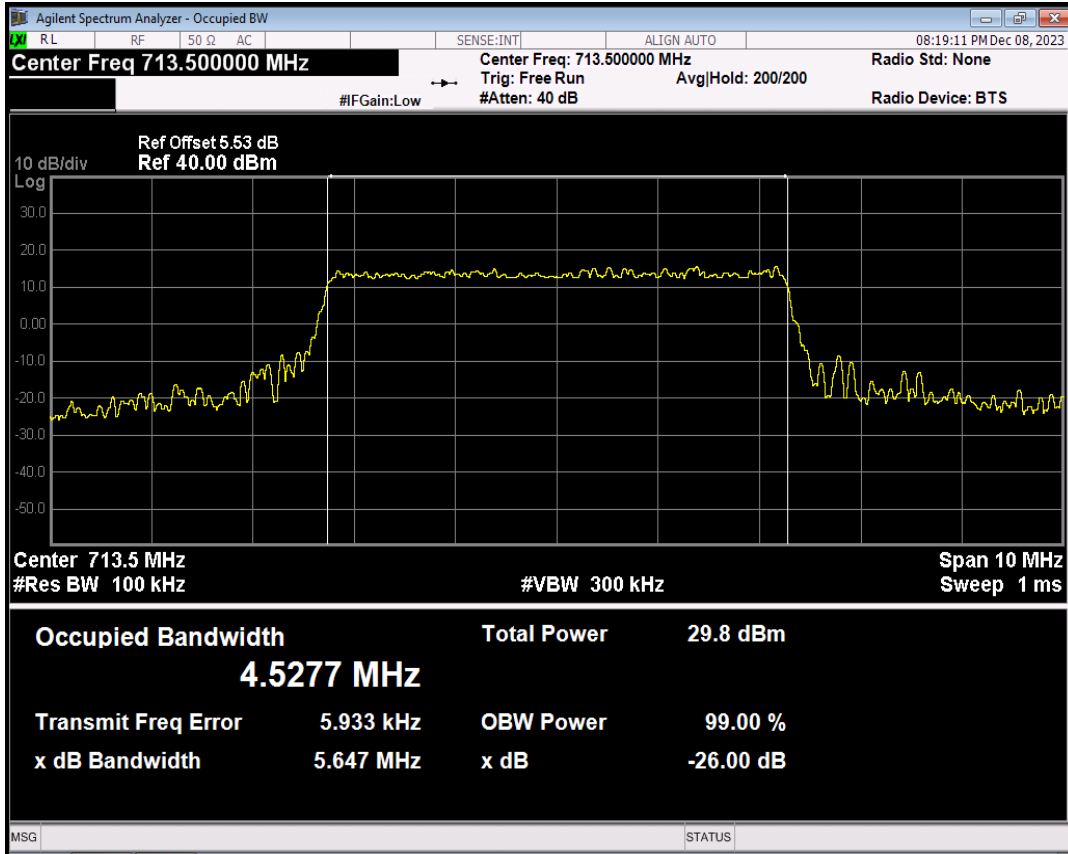
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



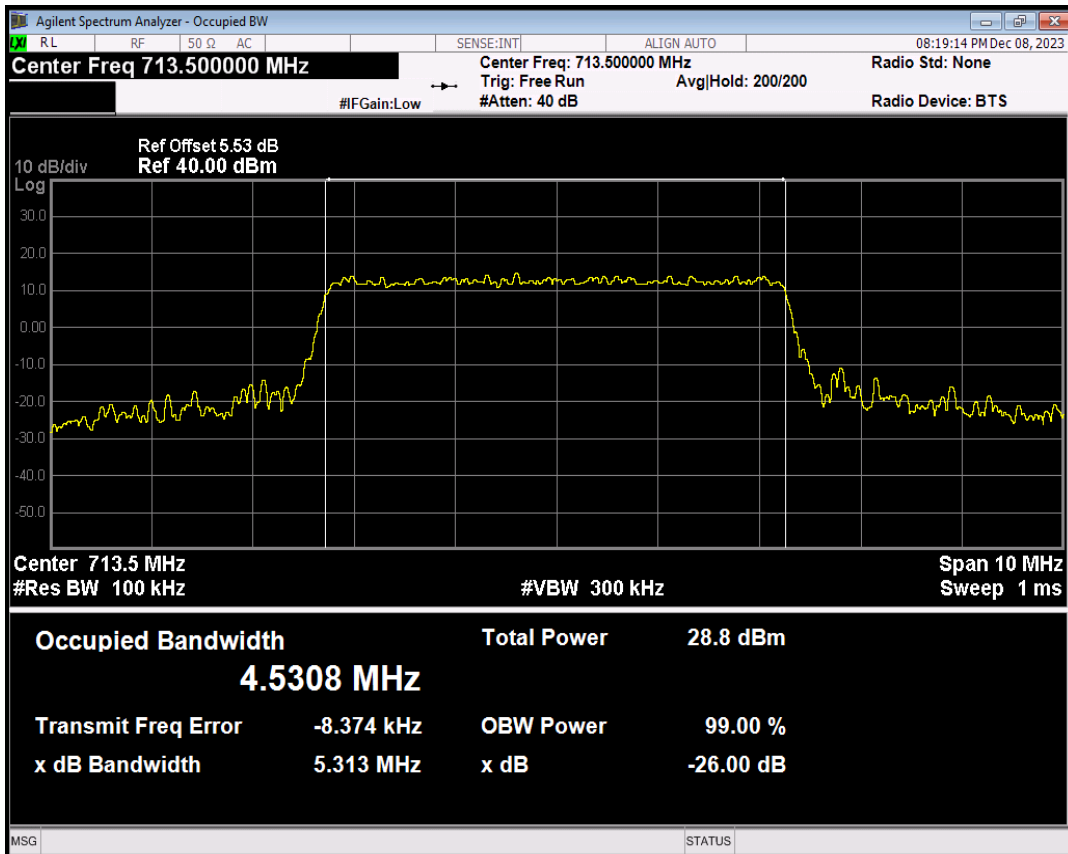
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



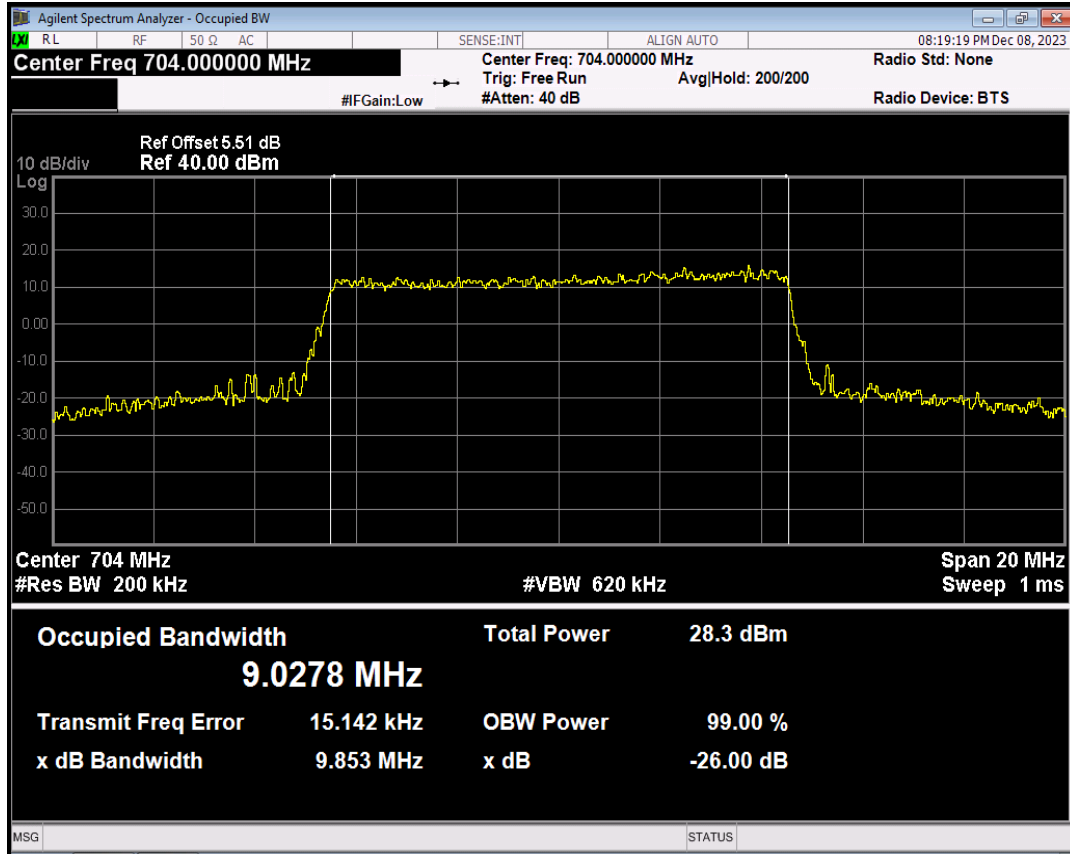
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



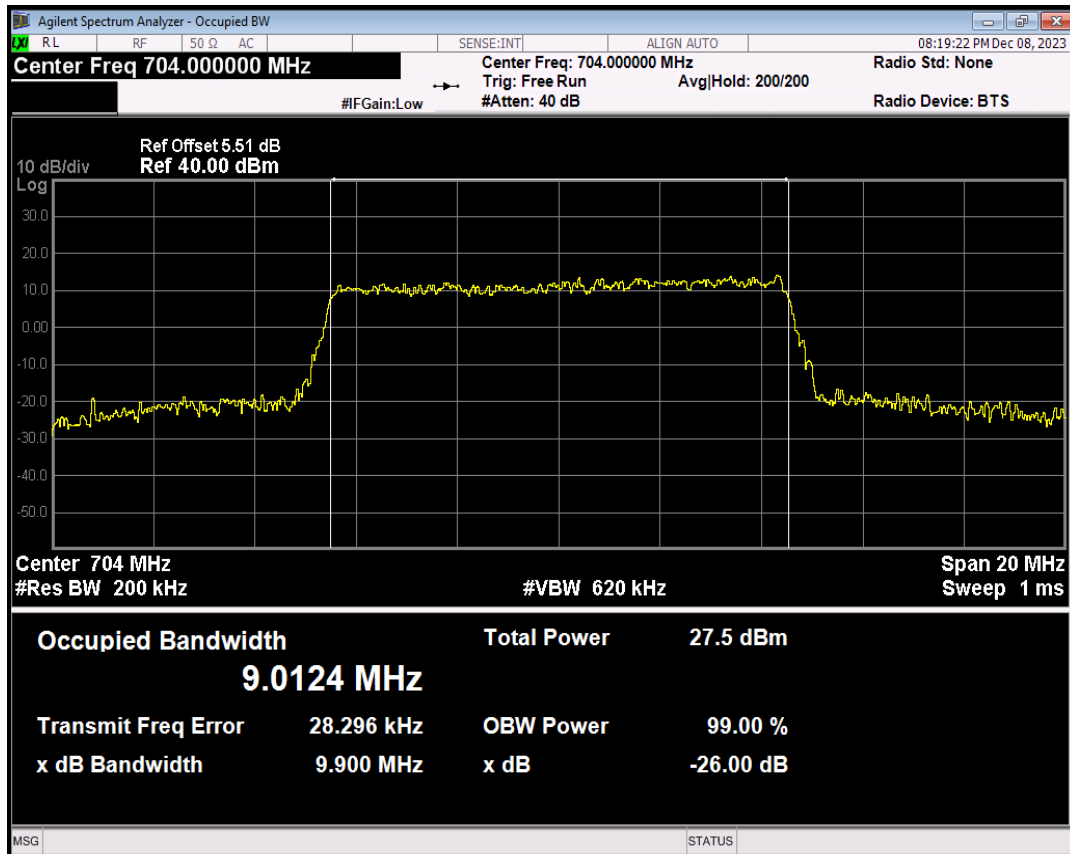
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



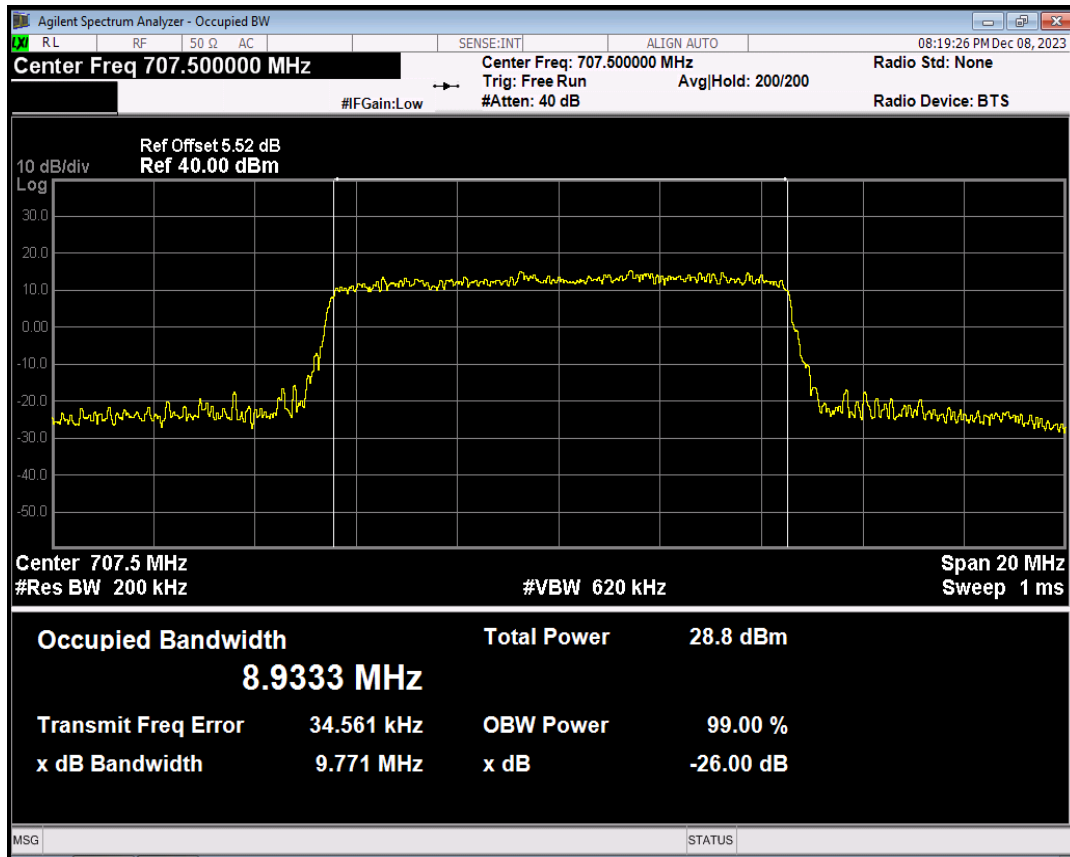
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



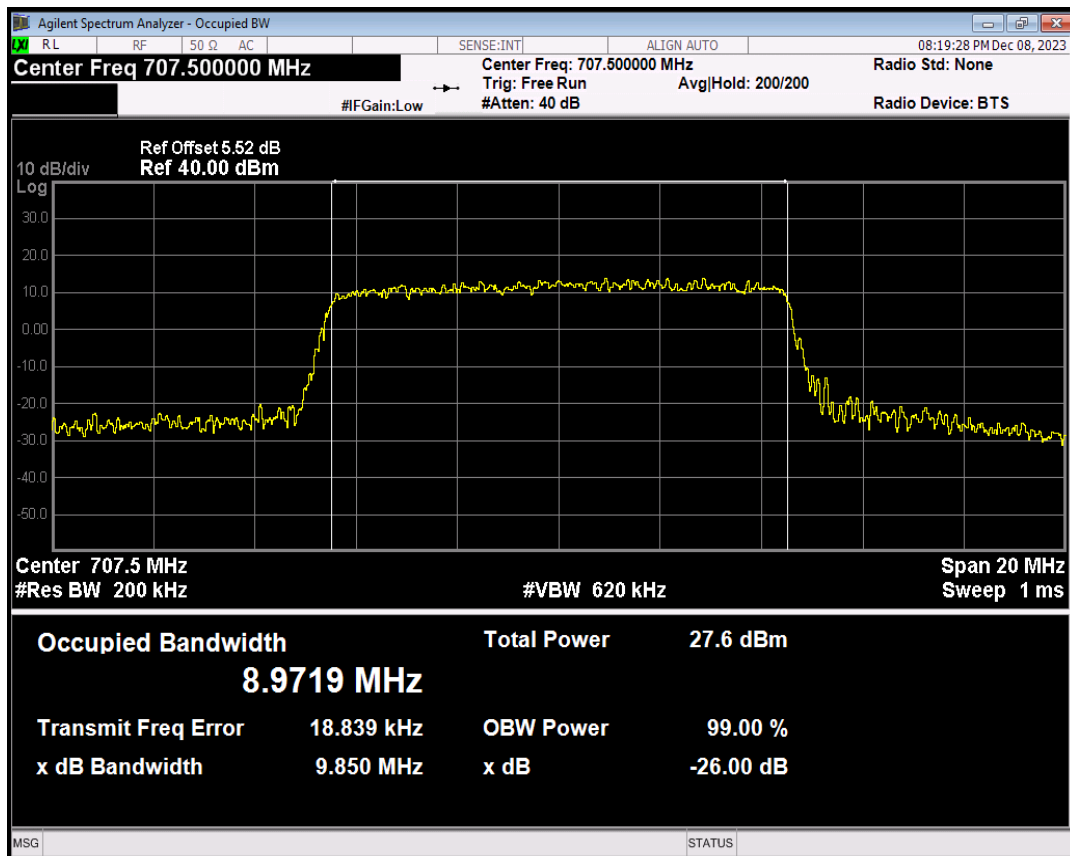
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



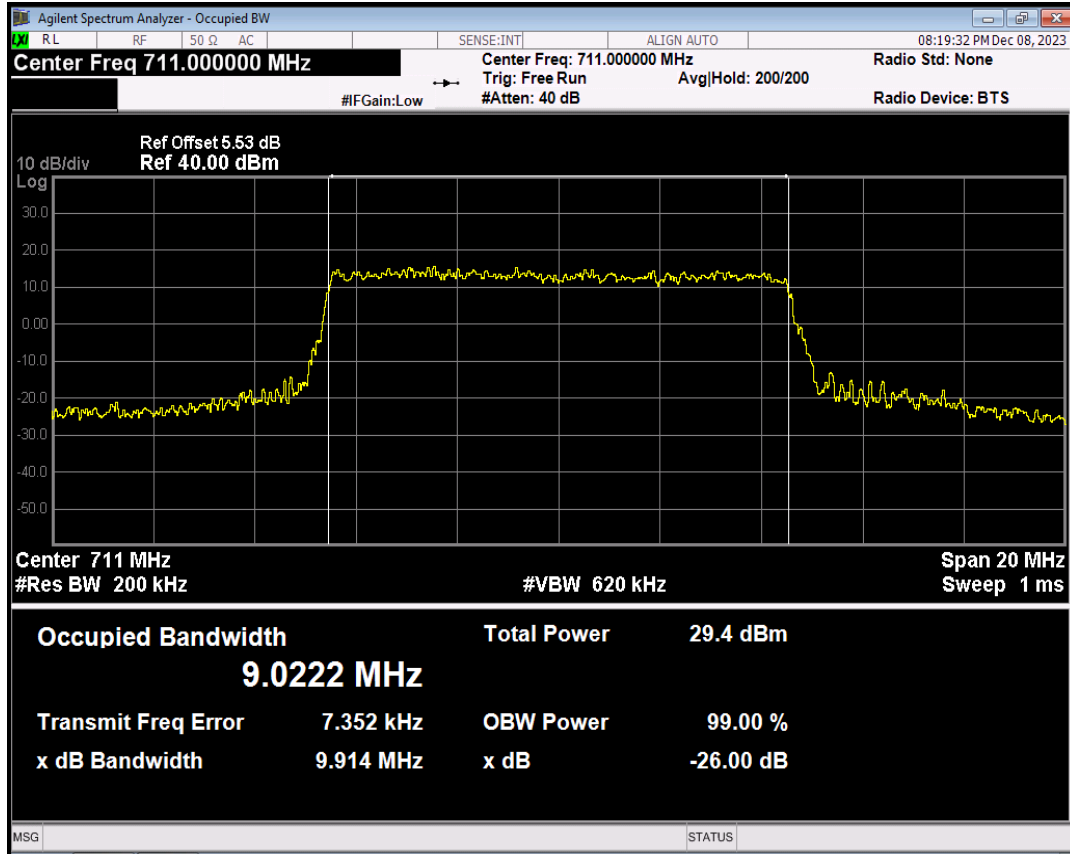
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



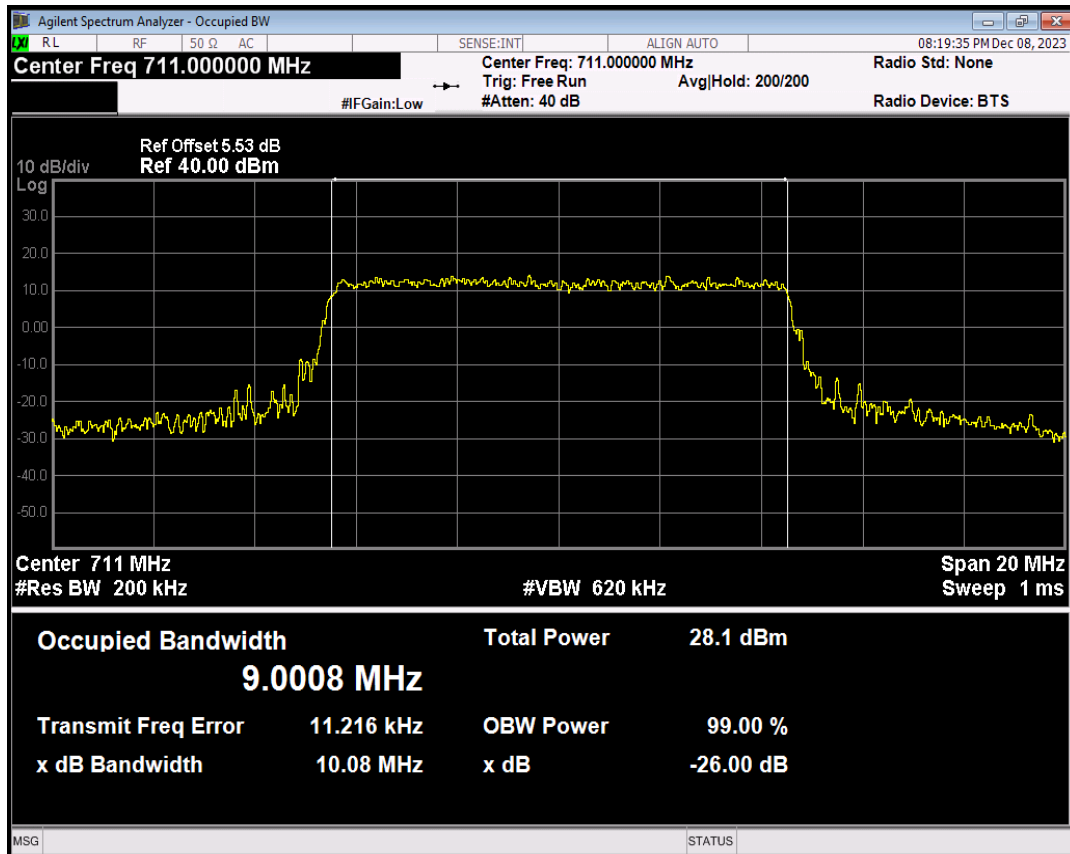
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



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



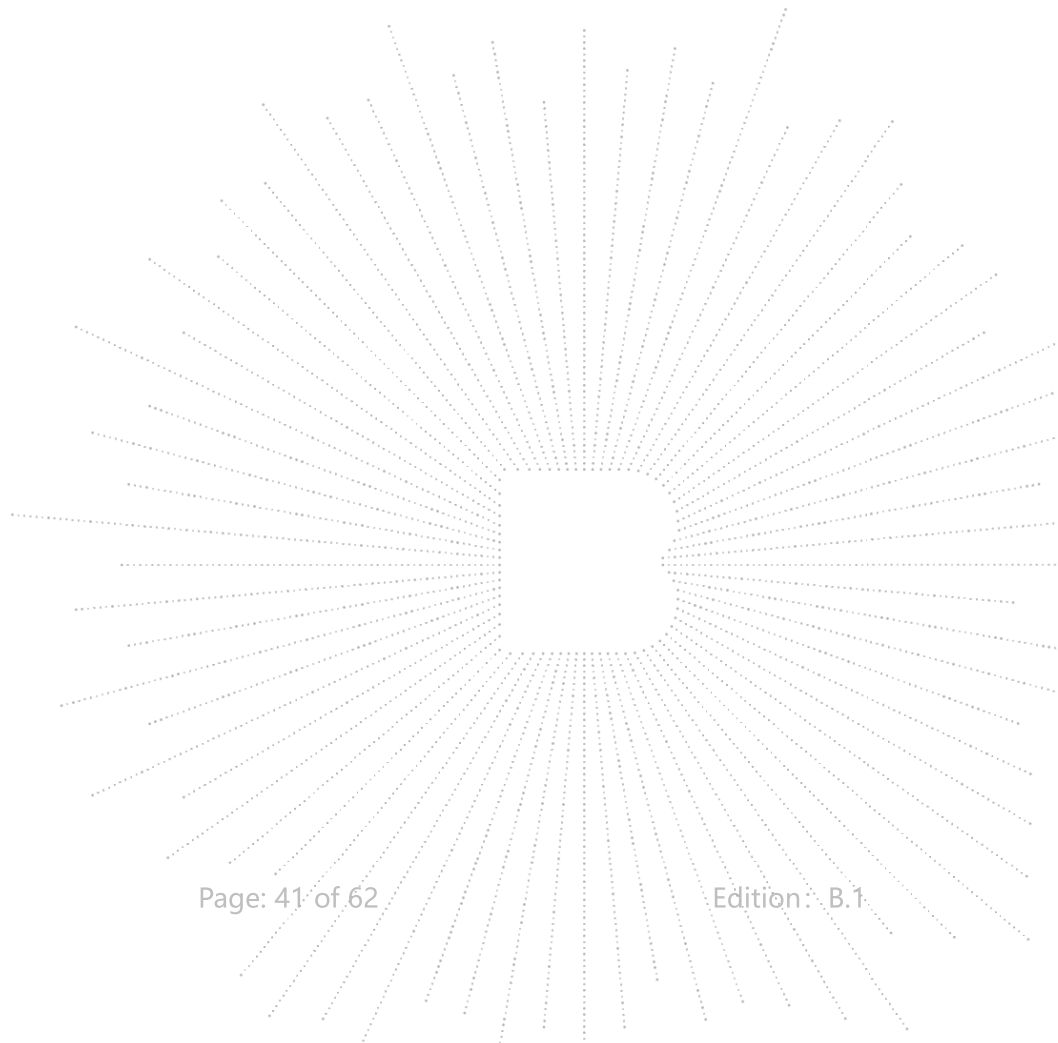
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

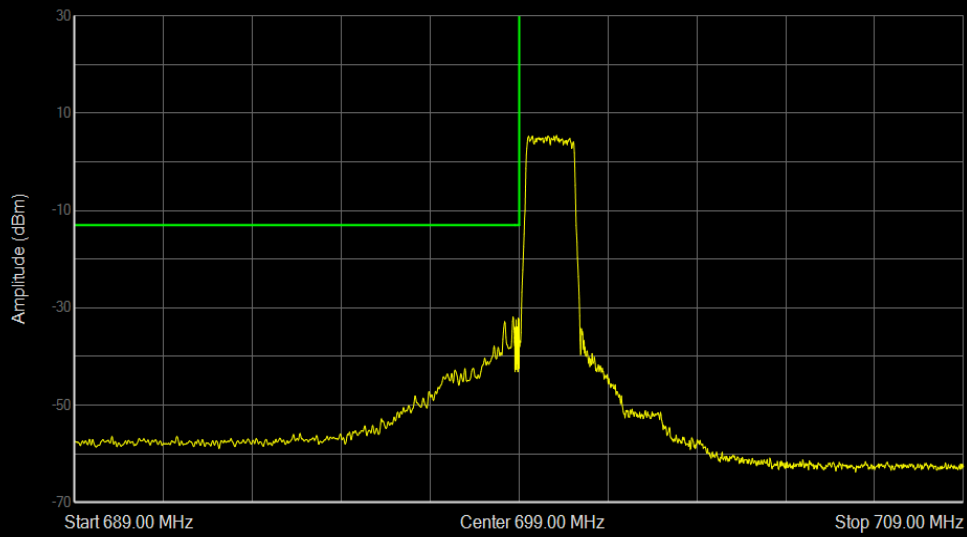


Appendix 5. Band edge

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	698.86	-31.86	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.87	-32.49	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.14	-17.54	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.19	-21.16	-13	PASS
Band12	3	23025	15	#0	QPSK	699.00	-24.86	-13	PASS
Band12	3	23025	15	#0	16QAM	698.99	-26.69	-13	PASS
Band12	3	23165	15	#0	QPSK	716.11	-22.48	-13	PASS
Band12	3	23165	15	#0	16QAM	716.11	-23.94	-13	PASS
Band12	5	23035	25	#0	QPSK	698.79	-31.66	-13	PASS
Band12	5	23035	25	#0	16QAM	698.68	-32.93	-13	PASS
Band12	5	23155	25	#0	QPSK	716.24	-26.47	-13	PASS
Band12	5	23155	25	#0	16QAM	716.33	-26.81	-13	PASS
Band12	10	23060	50	#0	QPSK	697.78	-31.04	-13	PASS
Band12	10	23060	50	#0	16QAM	698.90	-33.08	-13	PASS
Band12	10	23130	50	#0	QPSK	716.20	-31.42	-13	PASS
Band12	10	23130	50	#0	16QAM	716.58	-35.40	-13	PASS

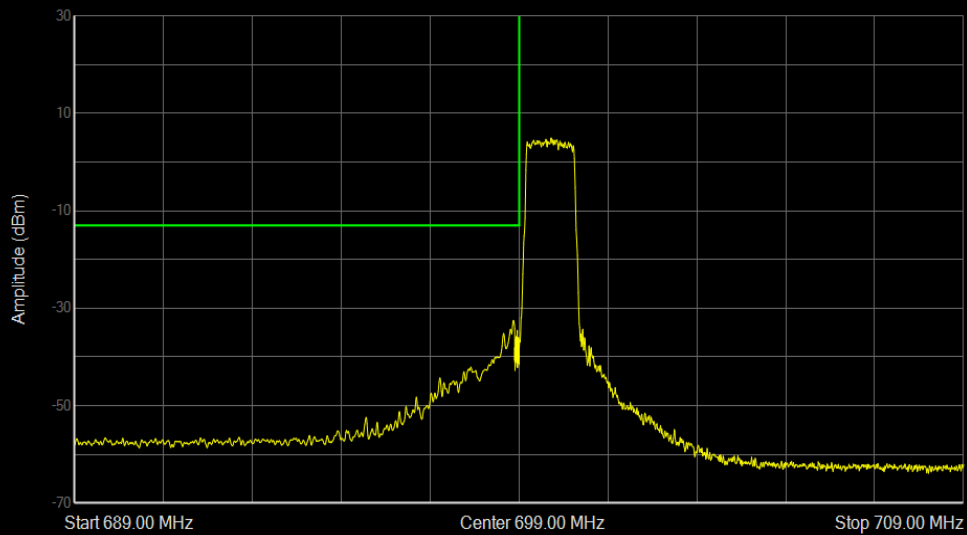
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0





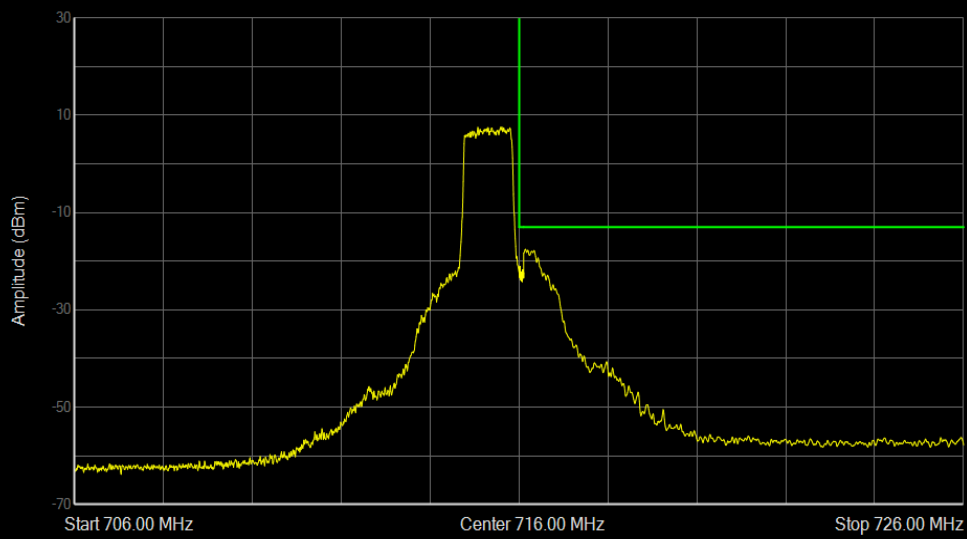
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.8604	-31.86	-13
2	698.9	699	30	698.9785	-32.17	-13

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



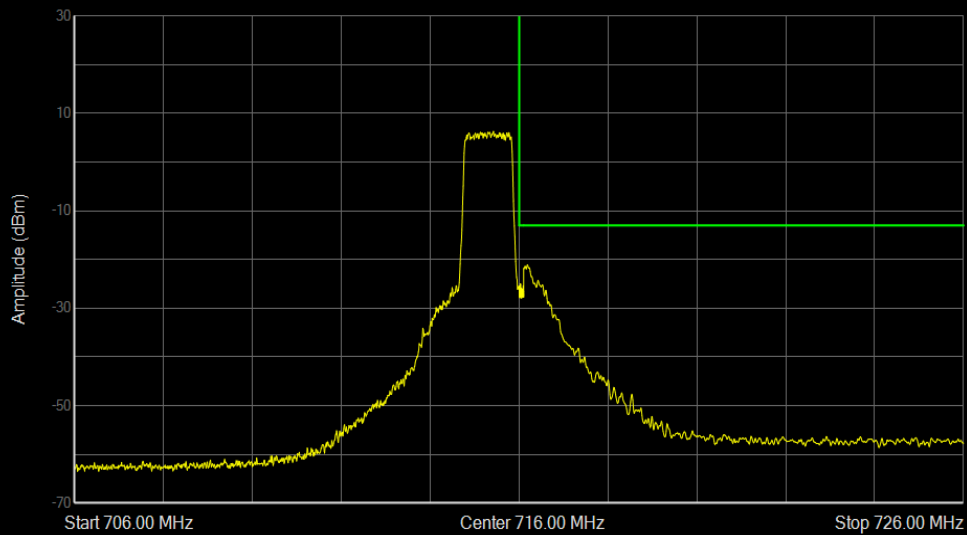
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.8703	-32.49	-13
2	698.9	699	30	698.9549	-34.55	-13

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



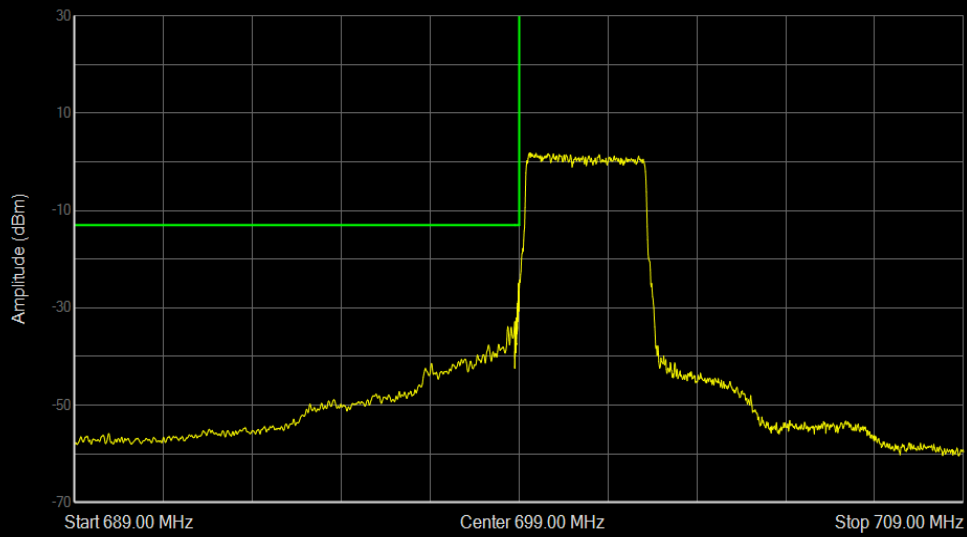
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0147	-21.09	-13
2	716.1	726	100	716.1396	-17.54	-13

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



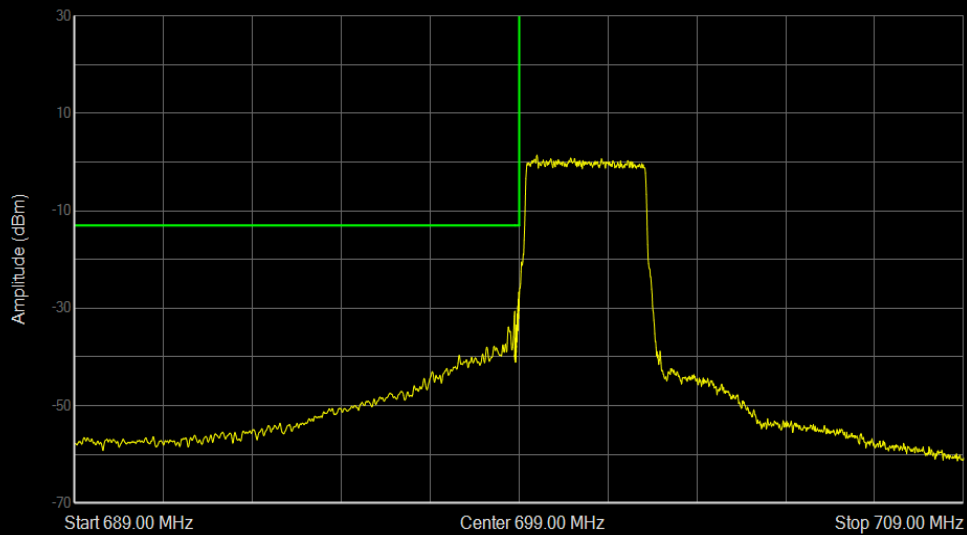
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0296	-25.05	-13
2	716.1	726	100	716.1891	-21.16	-13

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



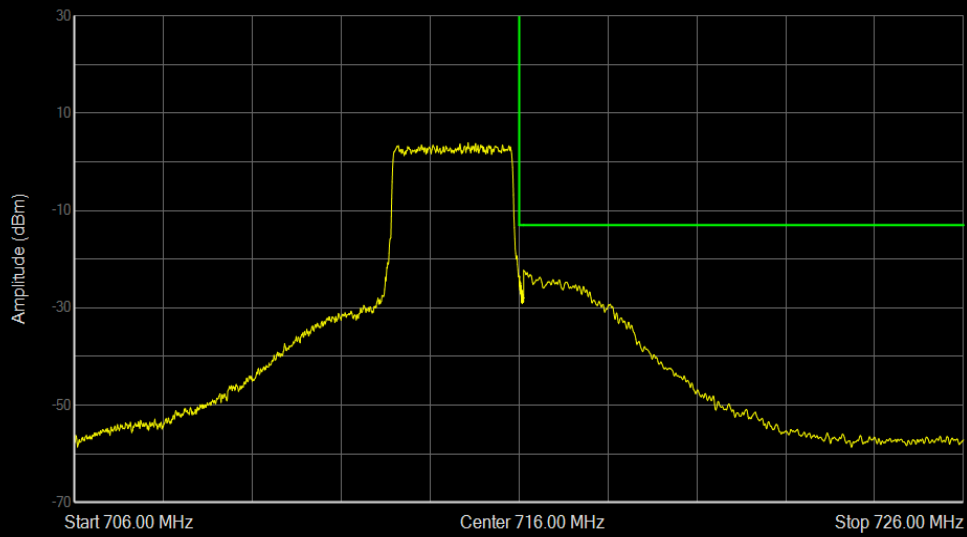
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-32.82	-13
2	698.9	699	30	698.9954	-24.86	-13

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



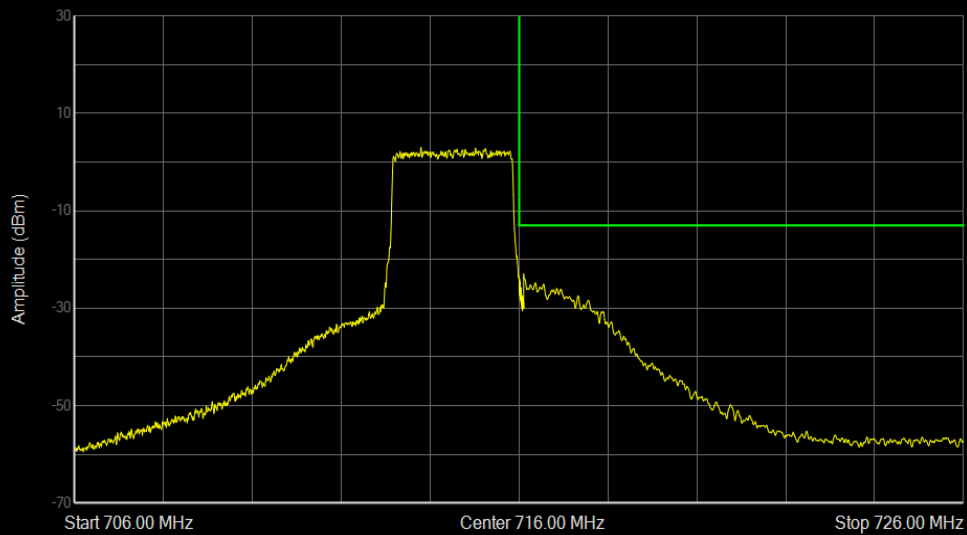
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-30.62	-13
2	698.9	699	30	698.9942	-26.69	-13

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



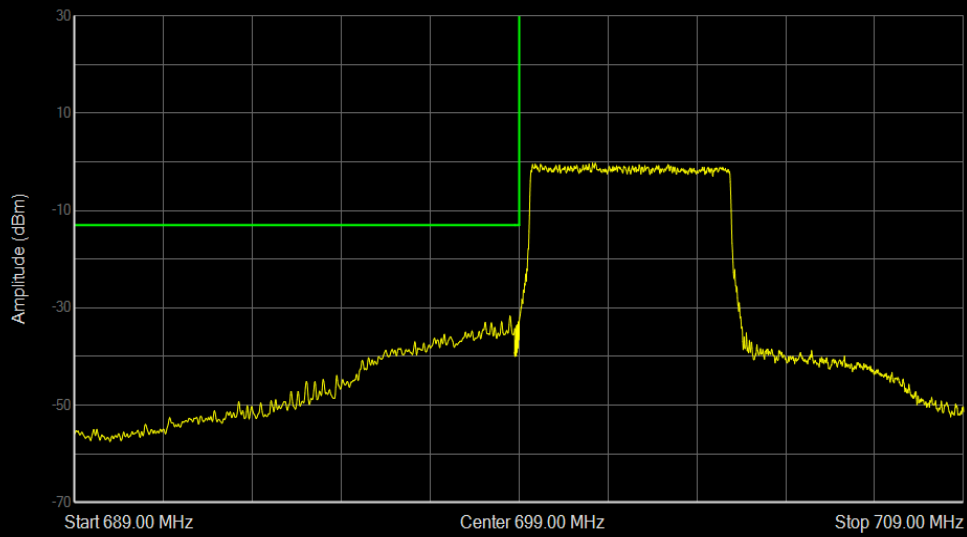
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.005	-23.49	-13
2	716.1	726	100	716.1099	-22.48	-13

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



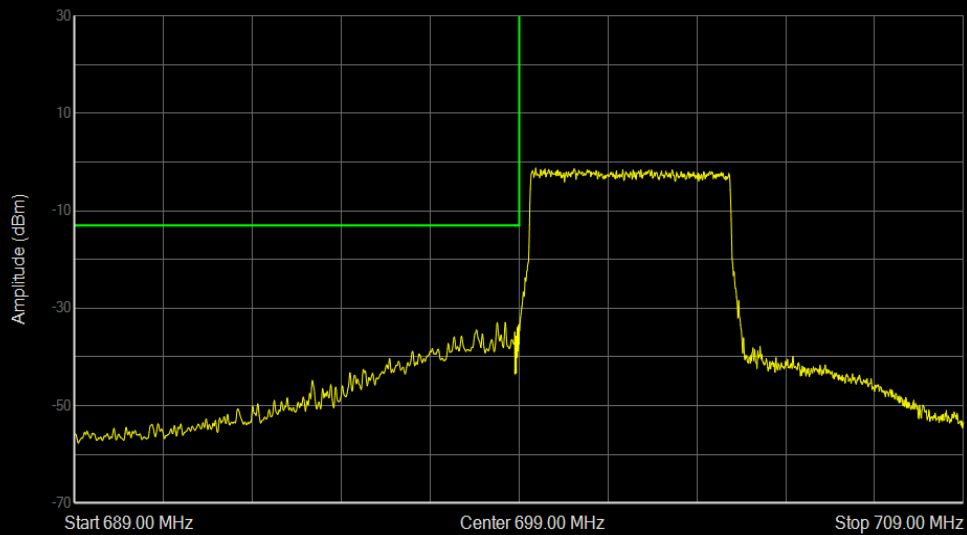
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0052	-24.07	-13
2	716.1	726	100	716.1099	-23.94	-13

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



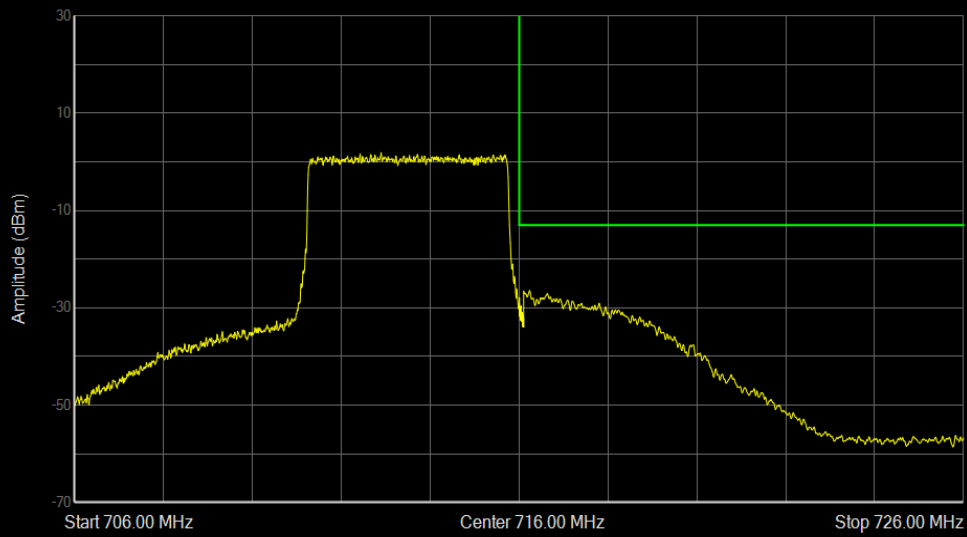
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.7911	-31.66	-13
2	698.9	699	30	698.9793	-32.91	-13

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



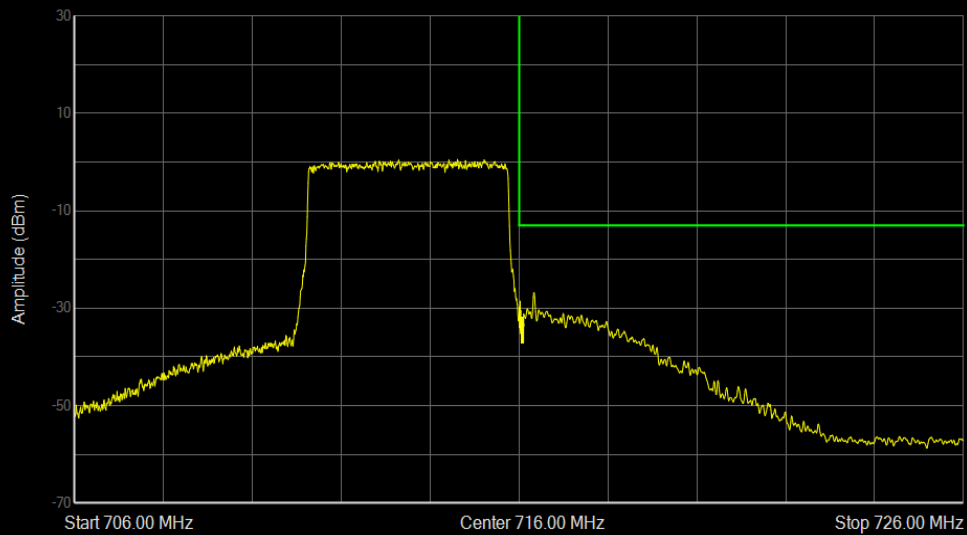
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.6822	-32.93	-13
2	698.9	699	30	699	-33.24	-13

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



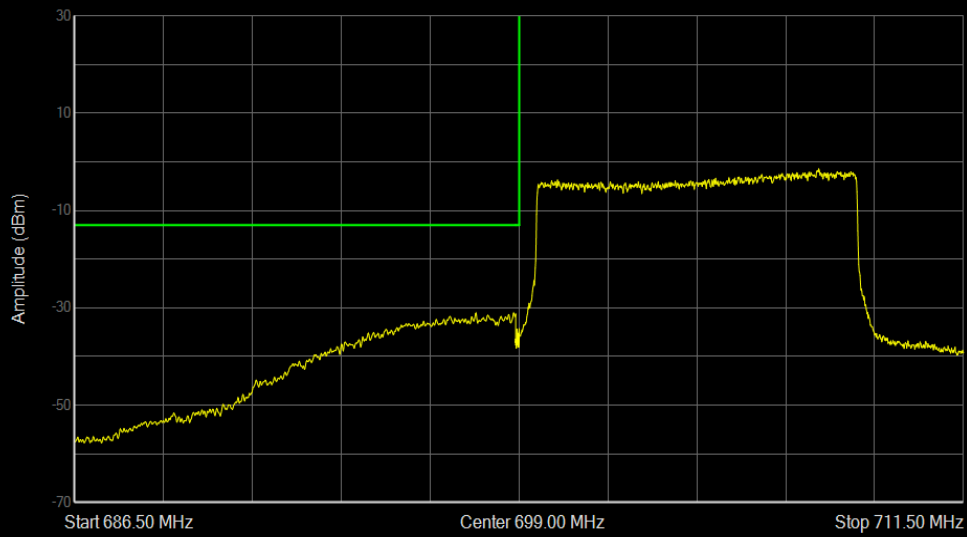
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0037	-27.91	-13
2	716.1	726	100	716.2386	-26.47	-13

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



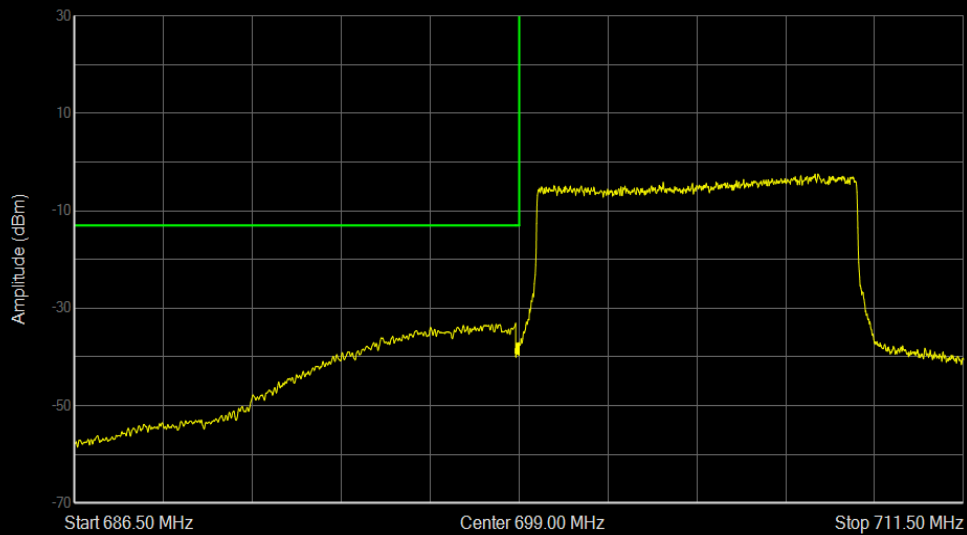
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0201	-28.57	-13
2	716.1	726	100	716.3277	-26.81	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	686.5	698.9	100	697.784	-31.04	-13
2	698.9	699	30	698.9978	-34.31	-13

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



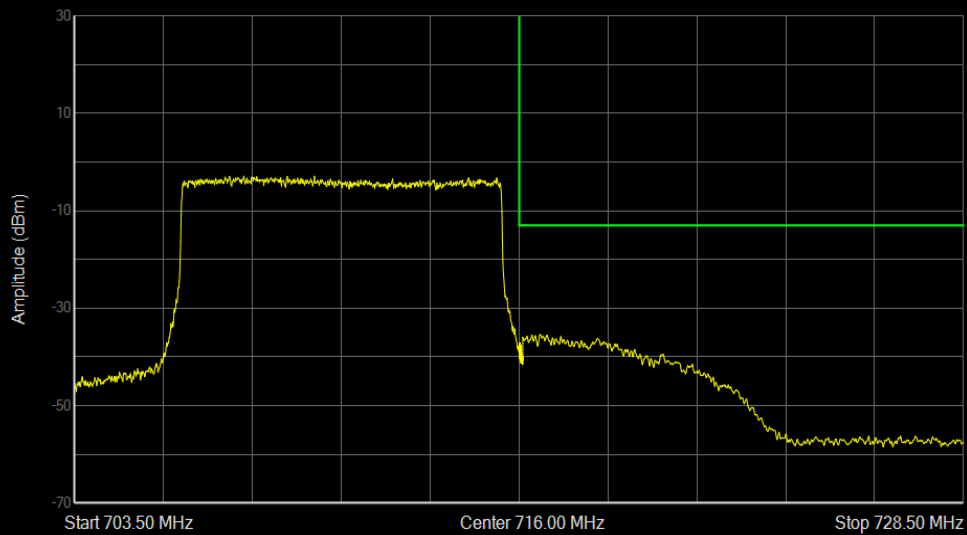
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	686.5	698.9	100	698.9	-33.08	-13
2	698.9	699	30	698.9901	-37.06	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0949	-35.35	-13
2	716.1	728.5	100	716.1992	-31.42	-13

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

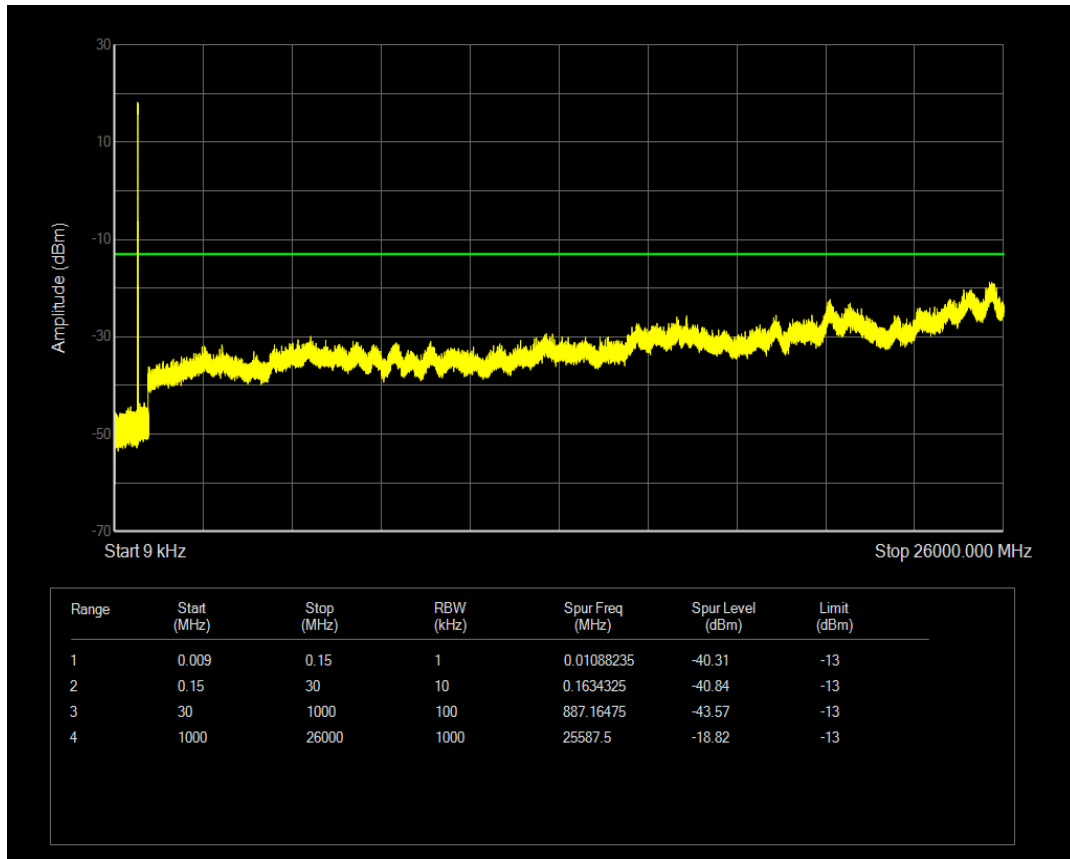


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0248	-37.14	-13
2	716.1	728.5	100	716.5836	-35.4	-13

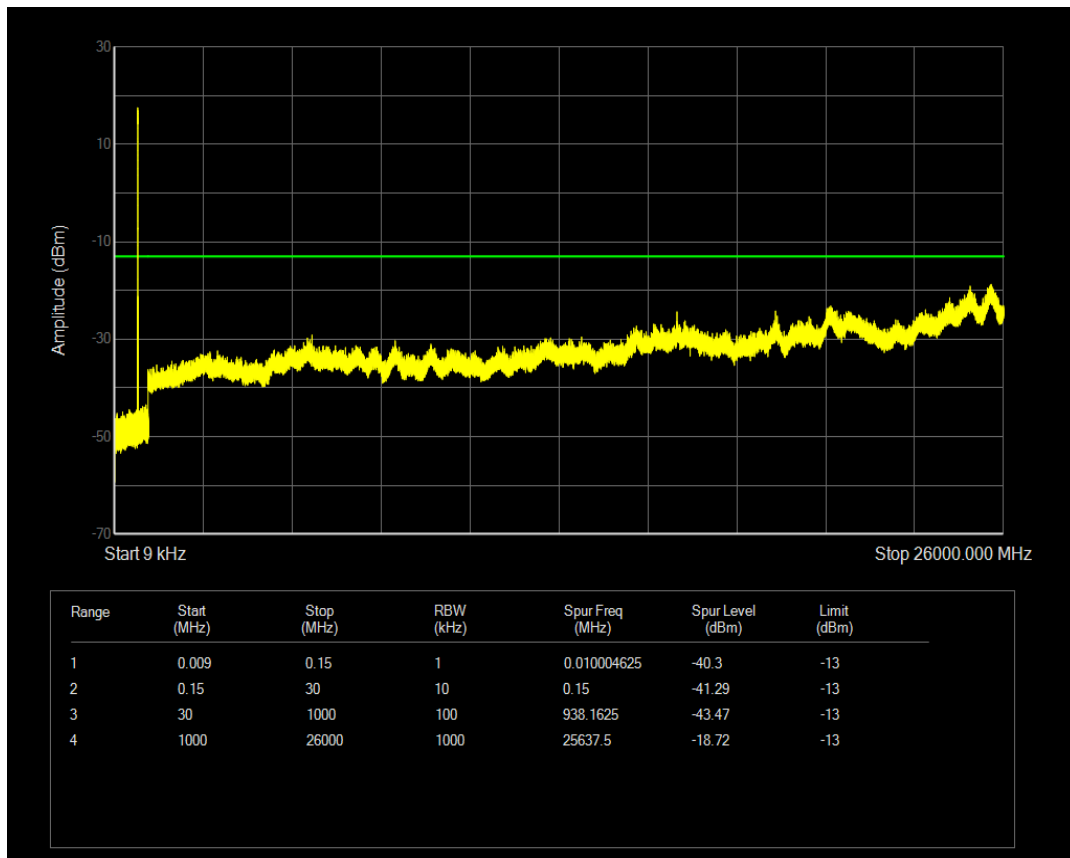
Appendix 6. Out-of-band emissions

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	25587.50	-18.82	-13	PASS
Band12	1.4	23017	6	#0	16QAM	25637.50	-18.72	-13	PASS
Band12	1.4	23095	6	#0	QPSK	25605.00	-18.62	-13	PASS
Band12	1.4	23095	6	#0	16QAM	25665.00	-18.46	-13	PASS
Band12	1.4	23173	6	#0	QPSK	25598.75	-18.40	-13	PASS
Band12	1.4	23173	6	#0	16QAM	25657.50	-17.68	-13	PASS
Band12	3	23025	15	#0	QPSK	25660.63	-18.39	-13	PASS
Band12	3	23025	15	#0	16QAM	25686.88	-18.36	-13	PASS
Band12	3	23095	15	#0	QPSK	25579.38	-18.89	-13	PASS
Band12	3	23095	15	#0	16QAM	25646.88	-18.71	-13	PASS
Band12	3	23165	15	#0	QPSK	25663.75	-18.37	-13	PASS
Band12	3	23165	15	#0	16QAM	25060.00	-18.49	-13	PASS
Band12	5	23035	25	#0	QPSK	25627.50	-19.19	-13	PASS
Band12	5	23035	25	#0	16QAM	25661.88	-18.67	-13	PASS
Band12	5	23095	25	#0	QPSK	25611.25	-17.02	-13	PASS
Band12	5	23095	25	#0	16QAM	25648.75	-18.63	-13	PASS
Band12	5	23155	25	#0	QPSK	25611.88	-18.40	-13	PASS
Band12	5	23155	25	#0	16QAM	25624.38	-18.85	-13	PASS
Band12	10	23060	50	#0	QPSK	25588.75	-18.20	-13	PASS
Band12	10	23060	50	#0	16QAM	25651.88	-18.80	-13	PASS
Band12	10	23095	50	#0	QPSK	25634.38	-18.09	-13	PASS
Band12	10	23095	50	#0	16QAM	25566.88	-18.25	-13	PASS
Band12	10	23130	50	#0	QPSK	25584.38	-17.79	-13	PASS
Band12	10	23130	50	#0	16QAM	25622.50	-18.14	-13	PASS

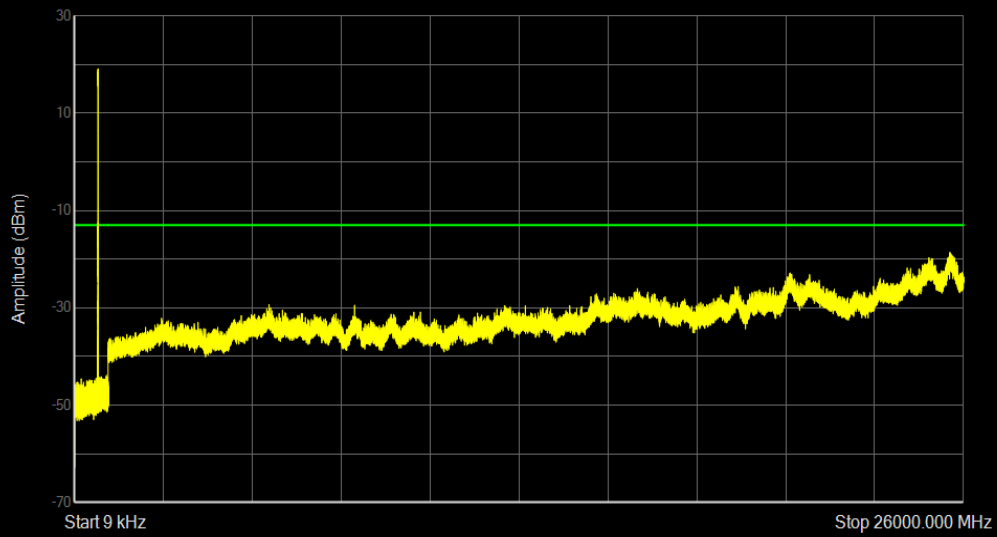
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



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

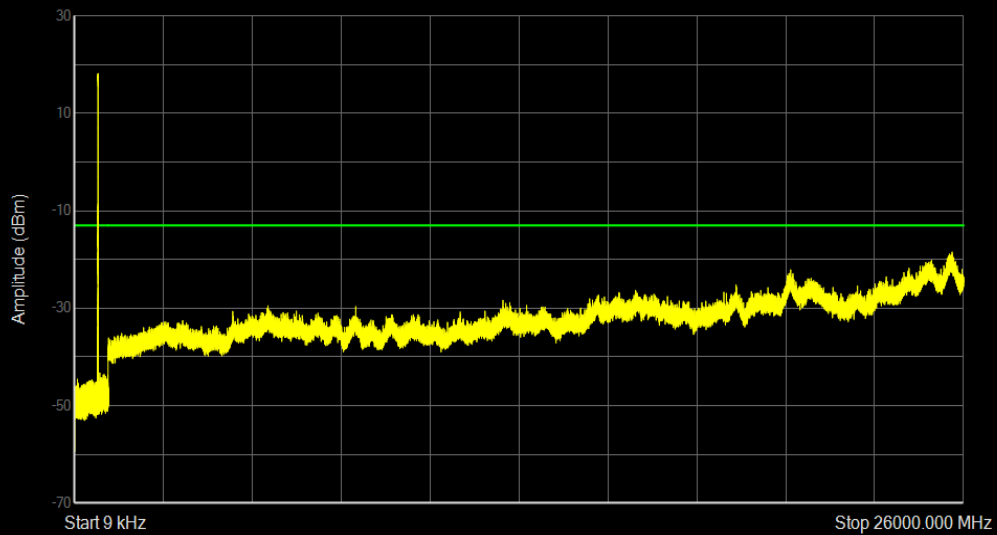


Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



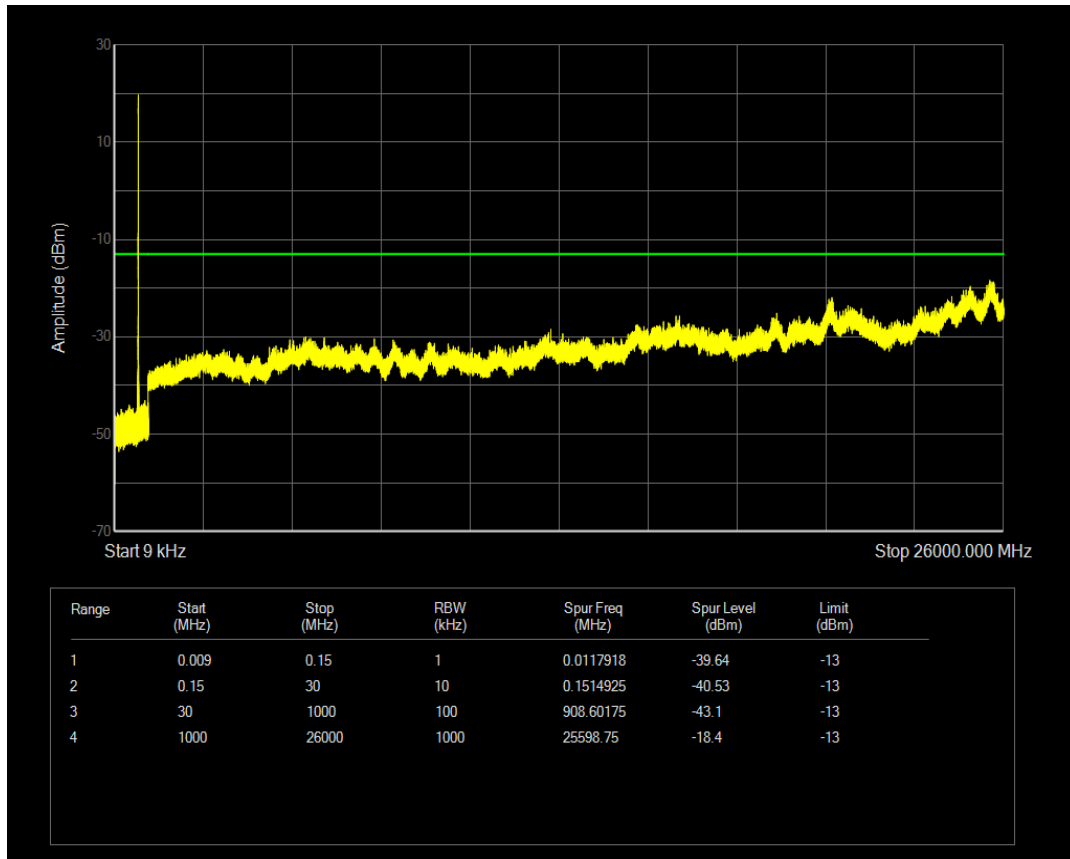
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0114534	-40.53	-13
2	0.15	30	10	0.1544775	-40.17	-13
3	30	1000	100	950.69975	-43.89	-13
4	1000	26000	1000	25605	-18.62	-13

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

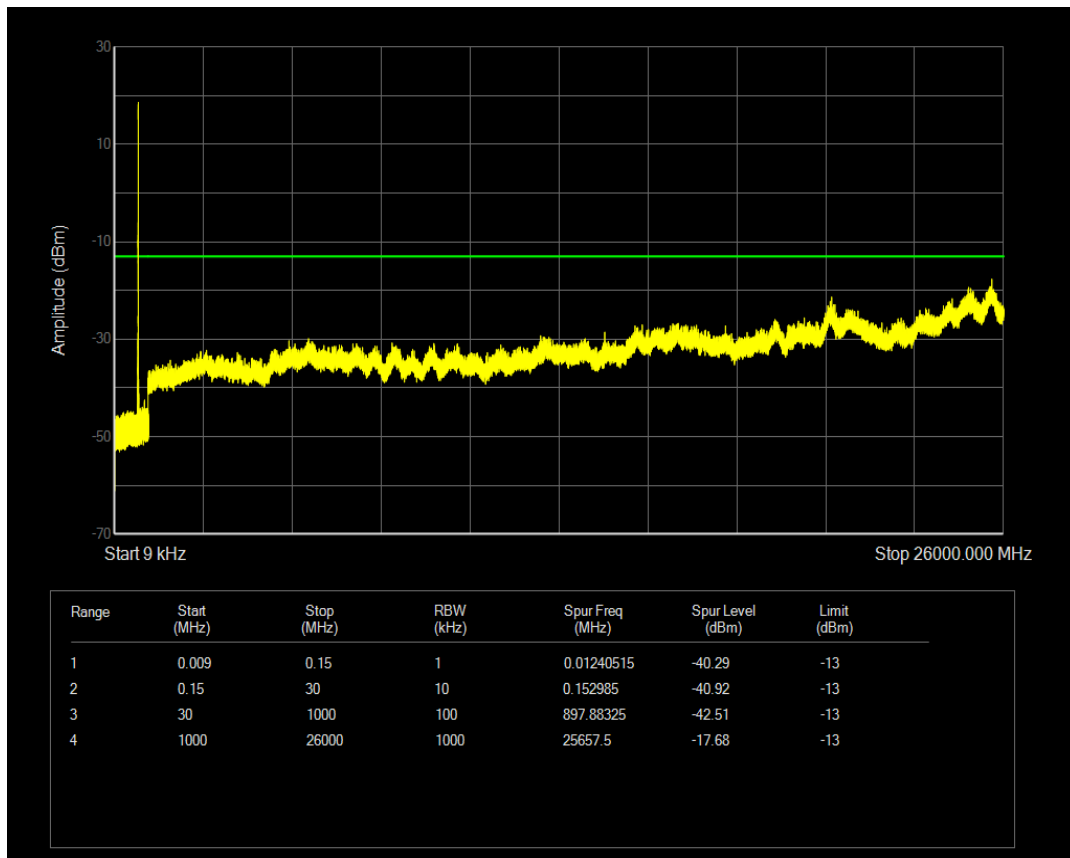


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00920445	-40.02	-13
2	0.15	30	10	0.152985	-42.11	-13
3	30	1000	100	758.63975	-43.28	-13
4	1000	26000	1000	25665	-18.46	-13

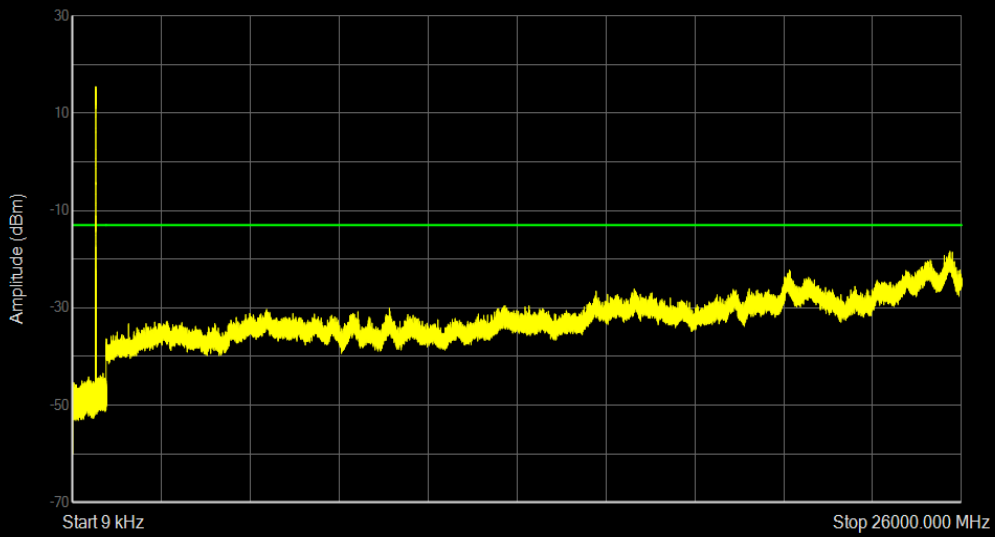
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



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

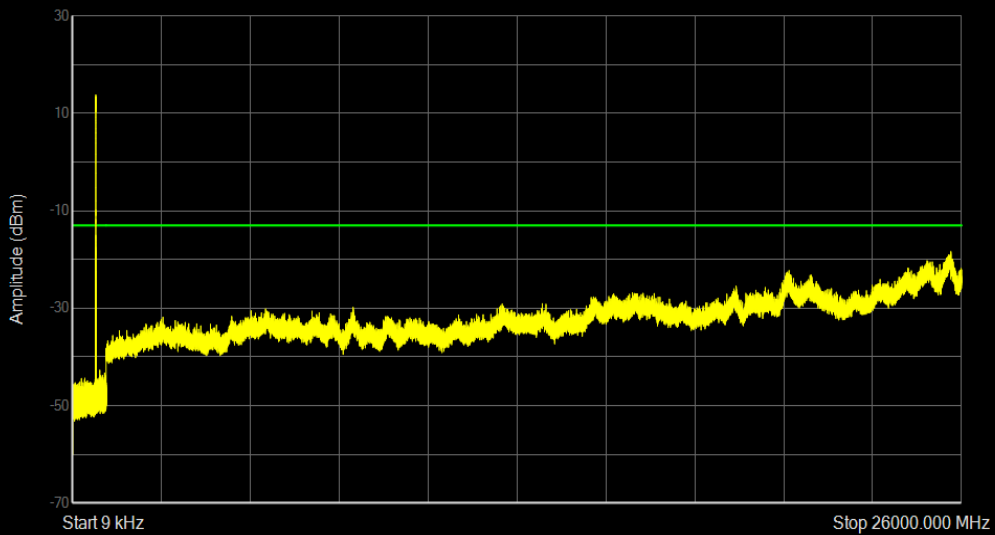


Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



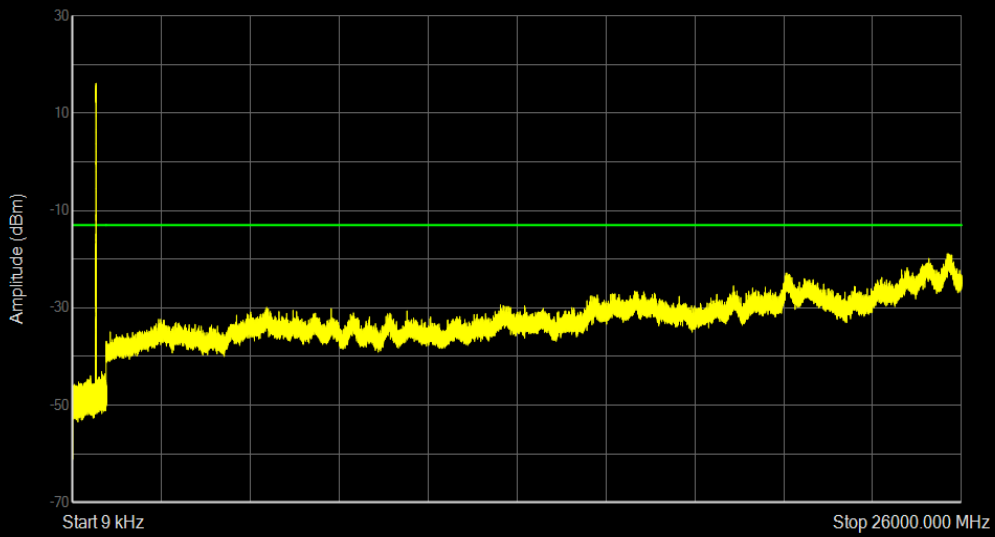
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0094653	-40.29	-13
2	0.15	30	10	0.15671625	-42.24	-13
3	30	1000	100	910.92975	-43.46	-13
4	1000	26000	1000	25660.625	-18.39	-13

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



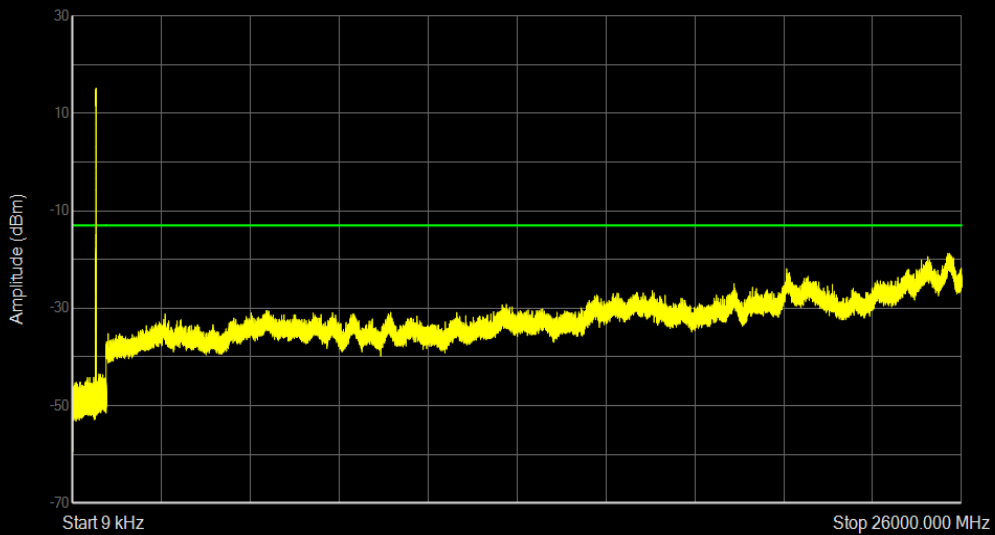
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010364175	-39.37	-13
2	0.15	30	10	0.15373125	-39.75	-13
3	30	1000	100	817.56725	-42.71	-13
4	1000	26000	1000	25686.875	-18.36	-13

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



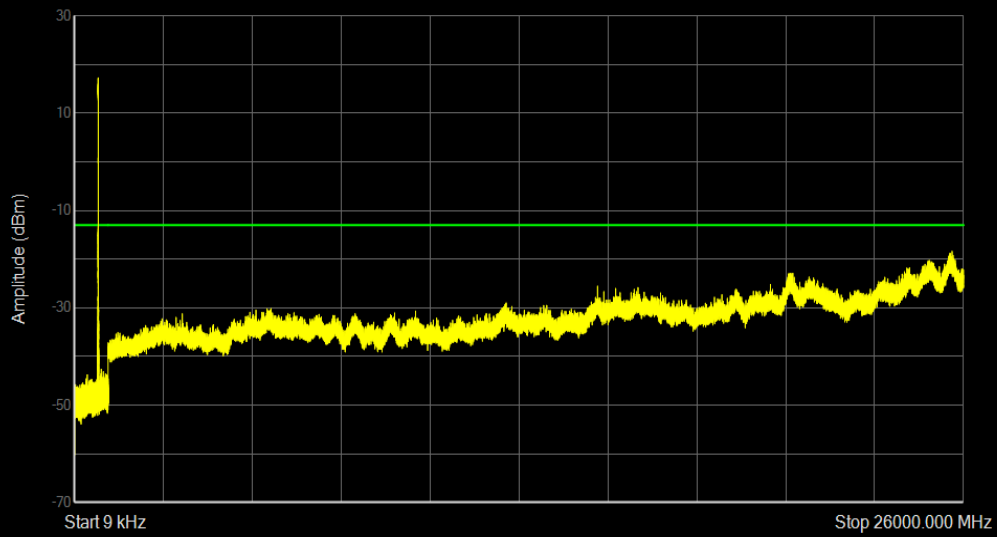
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010554525	-40.7	-13
2	0.15	30	10	0.1574625	-42.22	-13
3	30	1000	100	870.3595	-43.15	-13
4	1000	26000	1000	25579.375	-18.89	-13

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



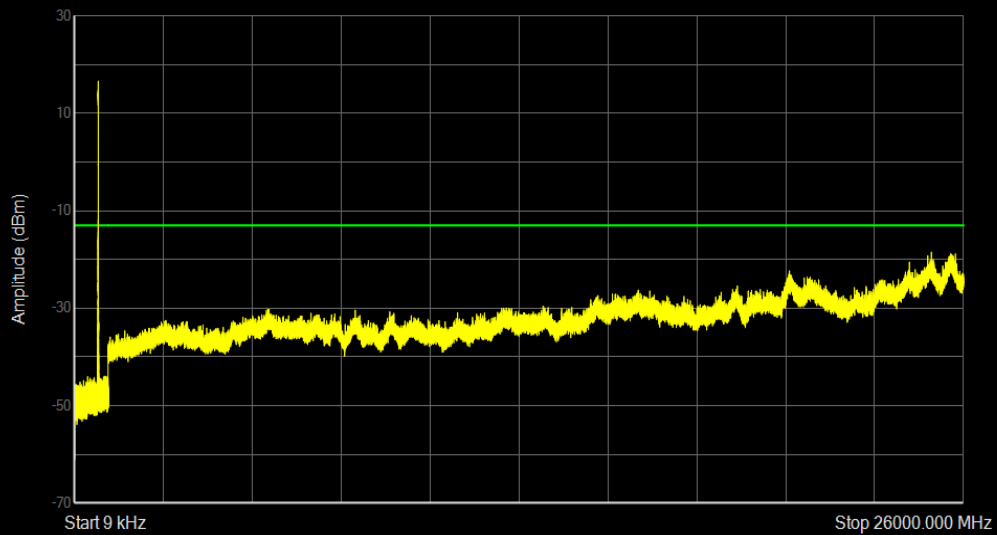
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009059925	-38.26	-13
2	0.15	30	10	0.164925	-40.96	-13
3	30	1000	100	792.10475	-43.49	-13
4	1000	26000	1000	25646.875	-18.71	-13

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



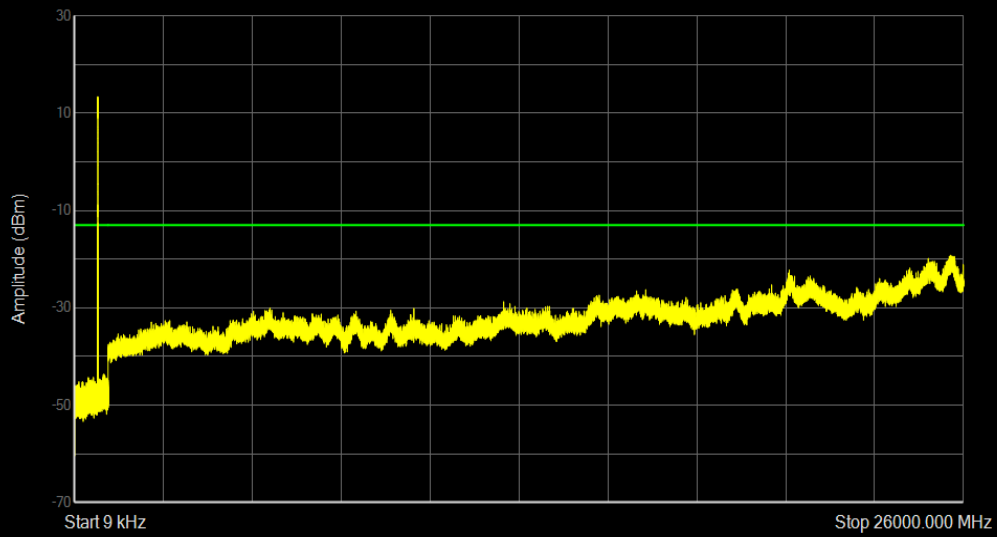
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0100434	-39.62	-13
2	0.15	30	10	0.15223875	-40.63	-13
3	30	1000	100	799.3555	-42.65	-13
4	1000	26000	1000	25663.75	-18.37	-13

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



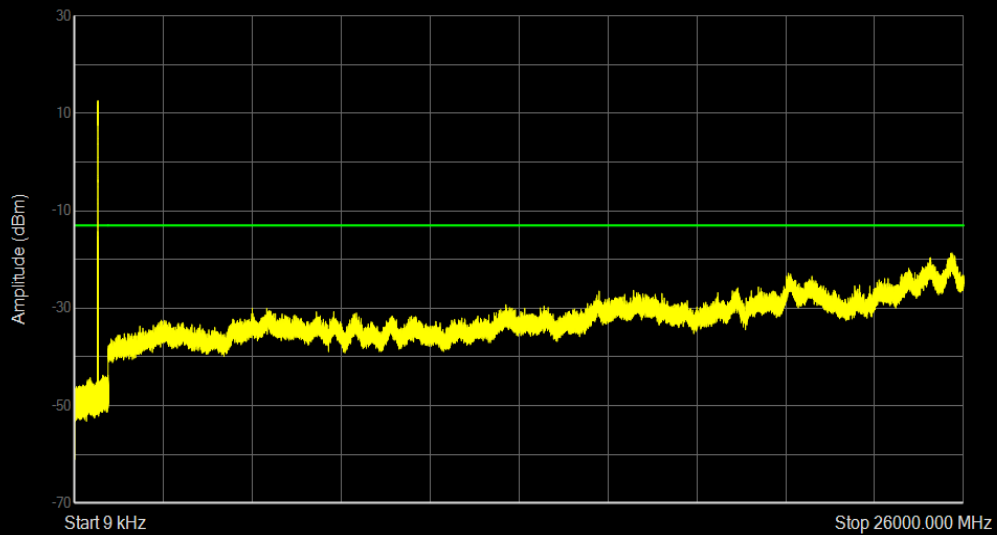
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010018725	-40.33	-13
2	0.15	30	10	0.15373125	-39.12	-13
3	30	1000	100	888.45	-43.96	-13
4	1000	26000	1000	25060	-18.49	-13

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



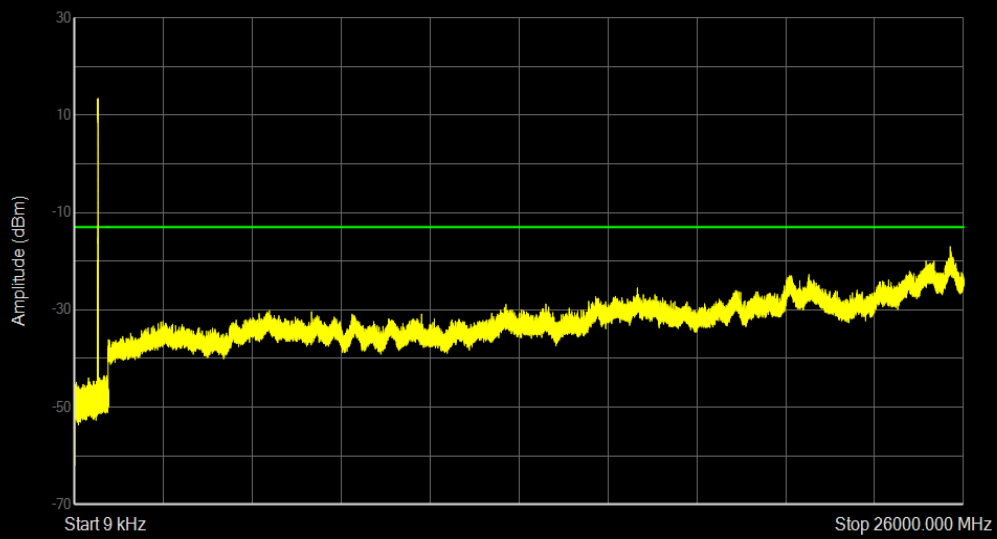
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009356025	-40.88	-13
2	0.15	30	10	0.1514925	-40.69	-13
3	30	1000	100	880.27775	-43.66	-13
4	1000	26000	1000	25627.5	-19.19	-13

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



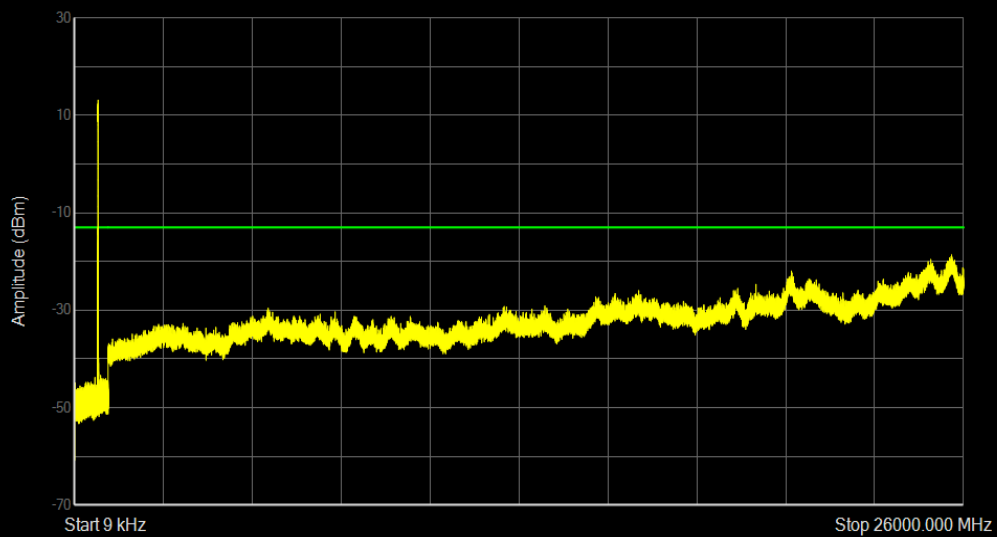
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010068075	-39.36	-13
2	0.15	30	10	0.15	-42.07	-13
3	30	1000	100	995.07725	-43.74	-13
4	1000	26000	1000	25661.875	-18.67	-13

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



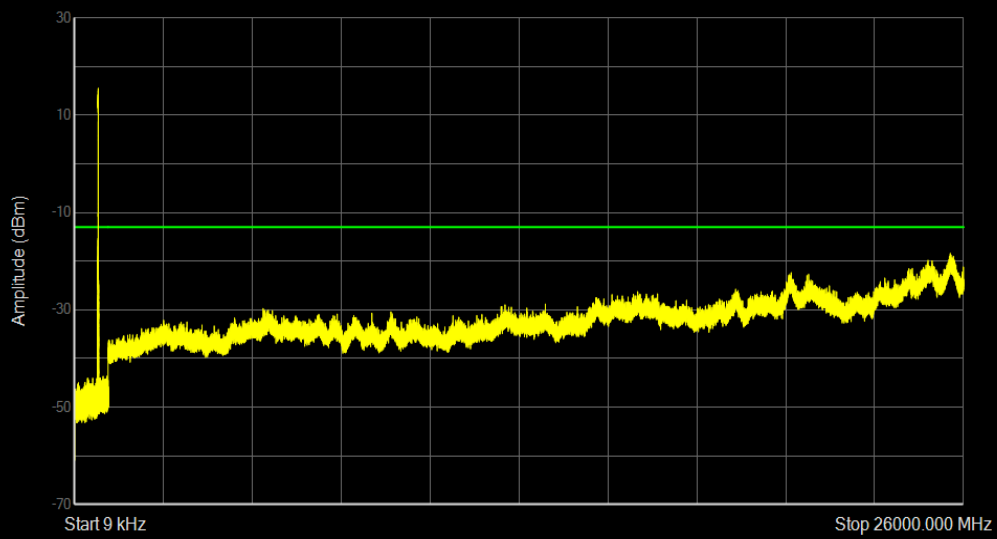
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010498125	-39.65	-13
2	0.15	30	10	0.182835	-42.29	-13
3	30	1000	100	884.473	-43.53	-13
4	1000	26000	1000	25611.25	-17.02	-13

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



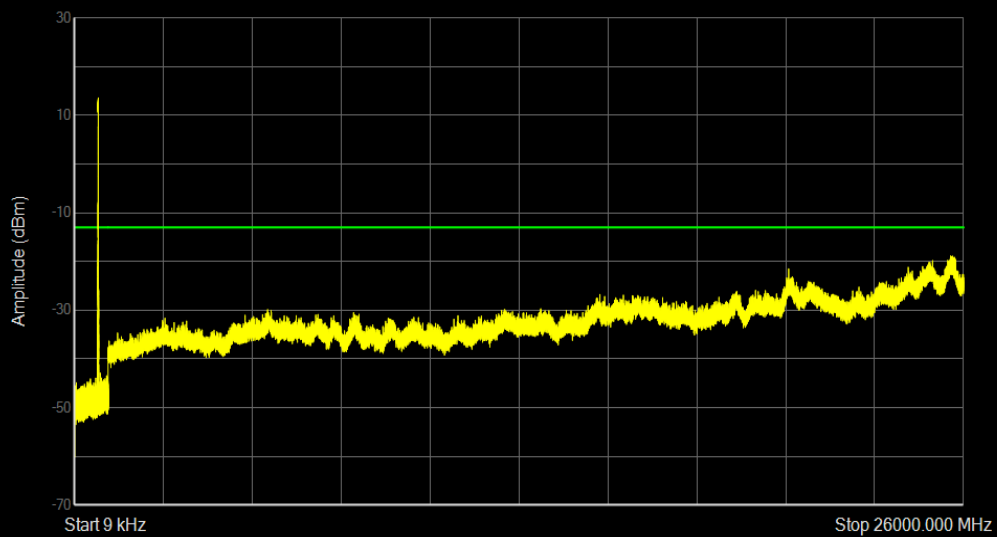
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012634275	-40.41	-13
2	0.15	30	10	0.152985	-42.63	-13
3	30	1000	100	781.43475	-43.4	-13
4	1000	26000	1000	25648.75	-18.63	-13

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



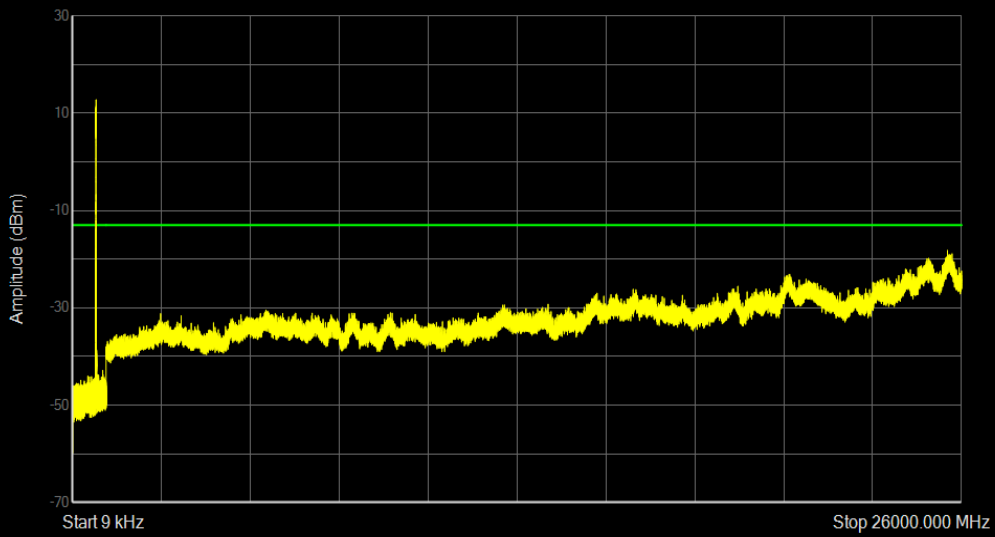
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01144635	-40.95	-13
2	0.15	30	10	0.15	-42.72	-13
3	30	1000	100	970.8515	-43.66	-13
4	1000	26000	1000	25611.875	-18.4	-13

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



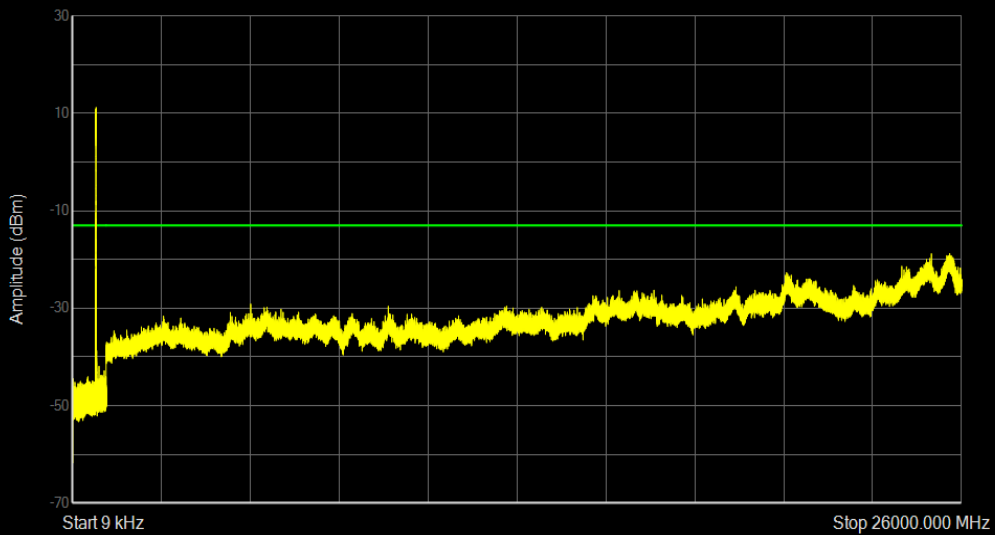
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009482925	-39.92	-13
2	0.15	30	10	0.15	-41.77	-13
3	30	1000	100	772.632	-42.92	-13
4	1000	26000	1000	25624.375	-18.85	-13

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



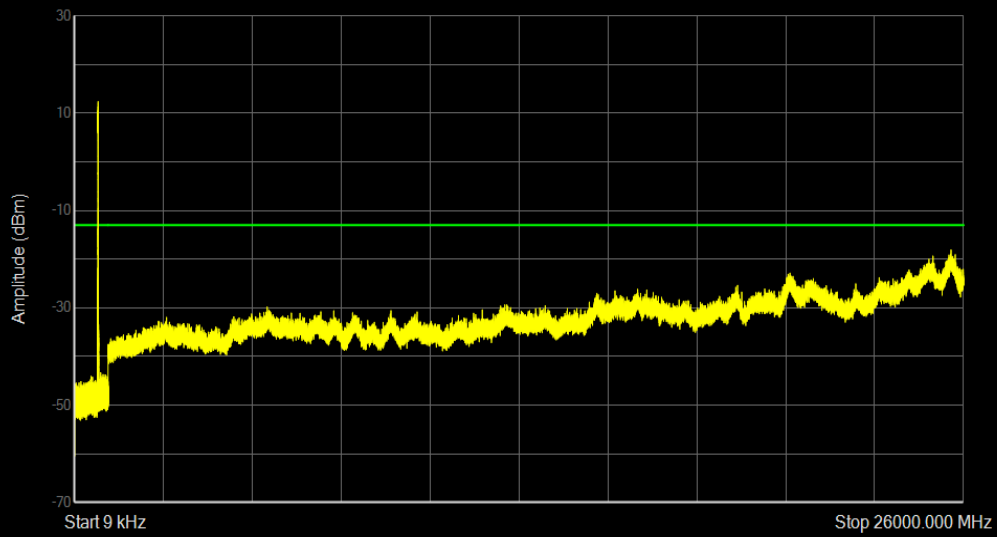
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009419475	-38.72	-13
2	0.15	30	10	0.15074625	-41.65	-13
3	30	1000	100	902.418	-42.87	-13
4	1000	26000	1000	25588.75	-18.2	-13

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



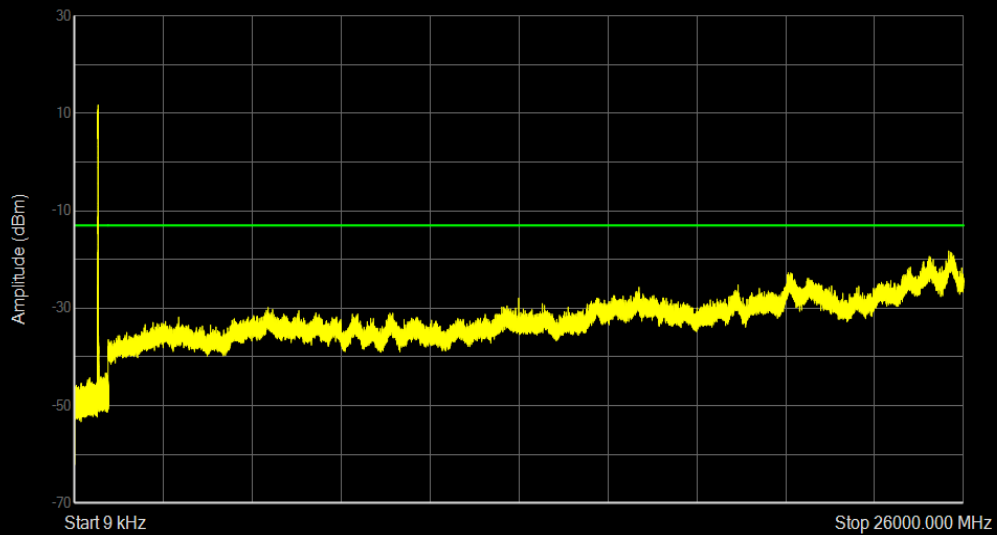
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009489975	-39.82	-13
2	0.15	30	10	0.16417875	-41.1	-13
3	30	1000	100	795.136	-41.96	-13
4	1000	26000	1000	25651.875	-18.8	-13

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



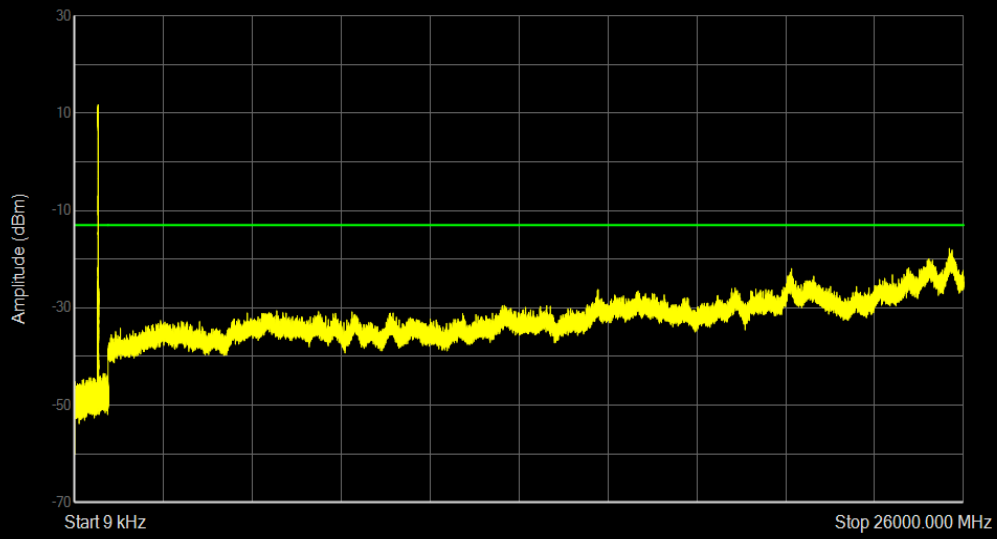
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-39.92	-13
2	0.15	30	10	0.158955	-40.09	-13
3	30	1000	100	784.9025	-43.34	-13
4	1000	26000	1000	25634.375	-18.09	-13

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



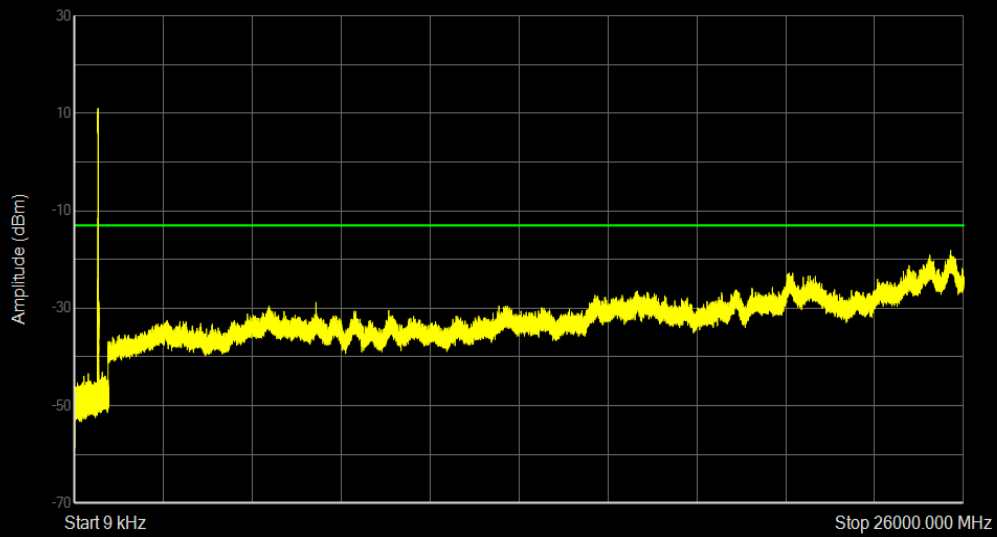
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00950055	-39.66	-13
2	0.15	30	10	0.15074625	-40.82	-13
3	30	1000	100	924.84925	-43.3	-13
4	1000	26000	1000	25566.875	-18.25	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0091692	-38.43	-13
2	0.15	30	10	0.158955	-40.34	-13
3	30	1000	100	860.8535	-43.49	-13
4	1000	26000	1000	25584.375	-17.79	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011062125	-40.59	-13
2	0.15	30	10	0.15970125	-42.13	-13
3	30	1000	100	833.354	-43.13	-13
4	1000	26000	1000	25622.5	-18.14	-13