

1 Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	ERP Limit (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	22.29	3.06	23.2	34.77	PASS
Band12	1.4	23017	1	#Mid	QPSK	22.32	3.06	23.23	34.77	PASS
Band12	1.4	23017	1	#Max	QPSK	22.2	3.06	23.11	34.77	PASS
Band12	1.4	23017	3	#0	QPSK	22.19	3.06	23.1	34.77	PASS
Band12	1.4	23017	3	#Mid	QPSK	22.22	3.06	23.13	34.77	PASS
Band12	1.4	23017	3	#Max	QPSK	22.17	3.06	23.08	34.77	PASS
Band12	1.4	23017	6	#0	QPSK	21.17	3.06	22.08	34.77	PASS
Band12	1.4	23017	1	#0	QAM16	21.2	3.06	22.11	34.77	PASS
Band12	1.4	23017	1	#Mid	QAM16	21.23	3.06	22.14	34.77	PASS
Band12	1.4	23017	1	#Max	QAM16	21.15	3.06	22.06	34.77	PASS
Band12	1.4	23017	3	#0	QAM16	21.4	3.06	22.31	34.77	PASS
Band12	1.4	23017	3	#Mid	QAM16	21.47	3.06	22.38	34.77	PASS
Band12	1.4	23017	3	#Max	QAM16	21.4	3.06	22.31	34.77	PASS
Band12	1.4	23017	6	#0	QAM16	20.39	3.06	21.3	34.77	PASS
Band12	1.4	23095	1	#0	QPSK	22.1	3.06	23.01	34.77	PASS
Band12	1.4	23095	1	#Mid	QPSK	22.15	3.06	23.06	34.77	PASS
Band12	1.4	23095	1	#Max	QPSK	22.09	3.06	23	34.77	PASS
Band12	1.4	23095	3	#0	QPSK	21.99	3.06	22.9	34.77	PASS
Band12	1.4	23095	3	#Mid	QPSK	22.06	3.06	22.97	34.77	PASS
Band12	1.4	23095	3	#Max	QPSK	22.02	3.06	22.93	34.77	PASS
Band12	1.4	23095	6	#0	QPSK	21.06	3.06	21.97	34.77	PASS
Band12	1.4	23095	1	#0	QAM16	21.23	3.06	22.14	34.77	PASS
Band12	1.4	23095	1	#Mid	QAM16	21.29	3.06	22.2	34.77	PASS
Band12	1.4	23095	1	#Max	QAM16	21.22	3.06	22.13	34.77	PASS
Band12	1.4	23095	3	#0	QAM16	21.25	3.06	22.16	34.77	PASS
Band12	1.4	23095	3	#Mid	QAM16	21.3	3.06	22.21	34.77	PASS
Band12	1.4	23095	3	#Max	QAM16	21.25	3.06	22.16	34.77	PASS
Band12	1.4	23095	6	#0	QAM16	20.26	3.06	21.17	34.77	PASS
Band12	1.4	23173	1	#0	QPSK	22.06	3.06	22.97	34.77	PASS
Band12	1.4	23173	1	#Mid	QPSK	22.18	3.06	23.09	34.77	PASS
Band12	1.4	23173	1	#Max	QPSK	22.07	3.06	22.98	34.77	PASS
Band12	1.4	23173	3	#0	QPSK	22.09	3.06	23	34.77	PASS
Band12	1.4	23173	3	#Mid	QPSK	22.16	3.06	23.07	34.77	PASS
Band12	1.4	23173	3	#Max	QPSK	22.08	3.06	22.99	34.77	PASS
Band12	1.4	23173	6	#0	QPSK	21.08	3.06	21.99	34.77	PASS
Band12	1.4	23173	1	#0	QAM16	21.4	3.06	22.31	34.77	PASS
Band12	1.4	23173	1	#Mid	QAM16	21.43	3.06	22.34	34.77	PASS
Band12	1.4	23173	1	#Max	QAM16	21.36	3.06	22.27	34.77	PASS
Band12	1.4	23173	3	#0	QAM16	21.43	3.06	22.34	34.77	PASS
Band12	1.4	23173	3	#Mid	QAM16	21.51	3.06	22.42	34.77	PASS
Band12	1.4	23173	3	#Max	QAM16	21.44	3.06	22.35	34.77	PASS

Band12	1.4	23173	6	#0	QAM16	20.32	3.06	21.23	34.77	PASS
Band12	3	23025	1	#0	QPSK	22.3	3.06	23.21	34.77	PASS
Band12	3	23025	1	#Mid	QPSK	22.32	3.06	23.23	34.77	PASS
Band12	3	23025	1	#Max	QPSK	22.15	3.06	23.06	34.77	PASS
Band12	3	23025	8	#0	QPSK	21.3	3.06	22.21	34.77	PASS
Band12	3	23025	8	#Mid	QPSK	21.35	3.06	22.26	34.77	PASS
Band12	3	23025	8	#Max	QPSK	21.28	3.06	22.19	34.77	PASS
Band12	3	23025	15	#0	QPSK	21.25	3.06	22.16	34.77	PASS
Band12	3	23025	1	#0	QAM16	21.79	3.06	22.7	34.77	PASS
Band12	3	23025	1	#Mid	QAM16	21.82	3.06	22.73	34.77	PASS
Band12	3	23025	1	#Max	QAM16	21.67	3.06	22.58	34.77	PASS
Band12	3	23025	8	#0	QAM16	20.39	3.06	21.3	34.77	PASS
Band12	3	23025	8	#Mid	QAM16	20.43	3.06	21.34	34.77	PASS
Band12	3	23025	8	#Max	QAM16	20.36	3.06	21.27	34.77	PASS
Band12	3	23025	15	#0	QAM16	20.38	3.06	21.29	34.77	PASS
Band12	3	23095	1	#0	QPSK	22.1	3.06	23.01	34.77	PASS
Band12	3	23095	1	#Mid	QPSK	22.22	3.06	23.13	34.77	PASS
Band12	3	23095	1	#Max	QPSK	22.1	3.06	23.01	34.77	PASS
Band12	3	23095	8	#0	QPSK	21.1	3.06	22.01	34.77	PASS
Band12	3	23095	8	#Mid	QPSK	21.17	3.06	22.08	34.77	PASS
Band12	3	23095	8	#Max	QPSK	21.12	3.06	22.03	34.77	PASS
Band12	3	23095	15	#0	QPSK	21.14	3.06	22.05	34.77	PASS
Band12	3	23095	1	#0	QAM16	21.41	3.06	22.32	34.77	PASS
Band12	3	23095	1	#Mid	QAM16	21.44	3.06	22.35	34.77	PASS
Band12	3	23095	1	#Max	QAM16	21.38	3.06	22.29	34.77	PASS
Band12	3	23095	8	#0	QAM16	20.23	3.06	21.14	34.77	PASS
Band12	3	23095	8	#Mid	QAM16	20.23	3.06	21.14	34.77	PASS
Band12	3	23095	8	#Max	QAM16	20.19	3.06	21.1	34.77	PASS
Band12	3	23095	15	#0	QAM16	20.17	3.06	21.08	34.77	PASS
Band12	3	23165	1	#0	QPSK	22.21	3.06	23.12	34.77	PASS
Band12	3	23165	1	#Mid	QPSK	22.3	3.06	23.21	34.77	PASS
Band12	3	23165	1	#Max	QPSK	22.24	3.06	23.15	34.77	PASS
Band12	3	23165	8	#0	QPSK	21.15	3.06	22.06	34.77	PASS
Band12	3	23165	8	#Mid	QPSK	21.19	3.06	22.1	34.77	PASS
Band12	3	23165	8	#Max	QPSK	21.16	3.06	22.07	34.77	PASS
Band12	3	23165	15	#0	QPSK	21.19	3.06	22.1	34.77	PASS
Band12	3	23165	1	#0	QAM16	21.15	3.06	22.06	34.77	PASS
Band12	3	23165	1	#Mid	QAM16	21.23	3.06	22.14	34.77	PASS
Band12	3	23165	1	#Max	QAM16	21.14	3.06	22.05	34.77	PASS
Band12	3	23165	8	#0	QAM16	20.27	3.06	21.18	34.77	PASS
Band12	3	23165	8	#Mid	QAM16	20.26	3.06	21.17	34.77	PASS
Band12	3	23165	8	#Max	QAM16	20.21	3.06	21.12	34.77	PASS
Band12	3	23165	15	#0	QAM16	20.29	3.06	21.2	34.77	PASS
Band12	5	23035	1	#0	QPSK	22.3	3.06	23.21	34.77	PASS

Band12	5	23035	1	#Mid	QPSK	22.25	3.06	23.16	34.77	PASS
Band12	5	23035	1	#Max	QPSK	22.2	3.06	23.11	34.77	PASS
Band12	5	23035	12	#0	QPSK	21.3	3.06	22.21	34.77	PASS
Band12	5	23035	12	#Mid	QPSK	21.29	3.06	22.2	34.77	PASS
Band12	5	23035	12	#Max	QPSK	21.22	3.06	22.13	34.77	PASS
Band12	5	23035	25	#0	QPSK	21.27	3.06	22.18	34.77	PASS
Band12	5	23035	1	#0	QAM16	21.9	3.06	22.81	34.77	PASS
Band12	5	23035	1	#Mid	QAM16	21.85	3.06	22.76	34.77	PASS
Band12	5	23035	1	#Max	QAM16	21.76	3.06	22.67	34.77	PASS
Band12	5	23035	12	#0	QAM16	20.4	3.06	21.31	34.77	PASS
Band12	5	23035	12	#Mid	QAM16	20.36	3.06	21.27	34.77	PASS
Band12	5	23035	12	#Max	QAM16	20.3	3.06	21.21	34.77	PASS
Band12	5	23035	25	#0	QAM16	20.31	3.06	21.22	34.77	PASS
Band12	5	23095	1	#0	QPSK	22.19	3.06	23.1	34.77	PASS
Band12	5	23095	1	#Mid	QPSK	22.18	3.06	23.09	34.77	PASS
Band12	5	23095	1	#Max	QPSK	22.1	3.06	23.01	34.77	PASS
Band12	5	23095	12	#0	QPSK	21.16	3.06	22.07	34.77	PASS
Band12	5	23095	12	#Mid	QPSK	21.17	3.06	22.08	34.77	PASS
Band12	5	23095	12	#Max	QPSK	21.09	3.06	22	34.77	PASS
Band12	5	23095	25	#0	QPSK	21.16	3.06	22.07	34.77	PASS
Band12	5	23095	1	#0	QAM16	21.5	3.06	22.41	34.77	PASS
Band12	5	23095	1	#Mid	QAM16	21.48	3.06	22.39	34.77	PASS
Band12	5	23095	1	#Max	QAM16	21.48	3.06	22.39	34.77	PASS
Band12	5	23095	12	#0	QAM16	20.16	3.06	21.07	34.77	PASS
Band12	5	23095	12	#Mid	QAM16	20.19	3.06	21.1	34.77	PASS
Band12	5	23095	12	#Max	QAM16	20.14	3.06	21.05	34.77	PASS
Band12	5	23095	25	#0	QAM16	20.21	3.06	21.12	34.77	PASS
Band12	5	23155	1	#0	QPSK	22.01	3.06	22.92	34.77	PASS
Band12	5	23155	1	#Mid	QPSK	22.08	3.06	22.99	34.77	PASS
Band12	5	23155	1	#Max	QPSK	22.1	3.06	23.01	34.77	PASS
Band12	5	23155	12	#0	QPSK	21.12	3.06	22.03	34.77	PASS
Band12	5	23155	12	#Mid	QPSK	21.16	3.06	22.07	34.77	PASS
Band12	5	23155	12	#Max	QPSK	21.14	3.06	22.05	34.77	PASS
Band12	5	23155	25	#0	QPSK	21.07	3.06	21.98	34.77	PASS
Band12	5	23155	1	#0	QAM16	21.47	3.06	22.38	34.77	PASS
Band12	5	23155	1	#Mid	QAM16	21.52	3.06	22.43	34.77	PASS
Band12	5	23155	1	#Max	QAM16	21.53	3.06	22.44	34.77	PASS
Band12	5	23155	12	#0	QAM16	20.2	3.06	21.11	34.77	PASS
Band12	5	23155	12	#Mid	QAM16	20.33	3.06	21.24	34.77	PASS
Band12	5	23155	12	#Max	QAM16	20.26	3.06	21.17	34.77	PASS
Band12	5	23155	25	#0	QAM16	20.11	3.06	21.02	34.77	PASS
Band12	10	23060	1	#0	QPSK	22.28	3.06	23.19	34.77	PASS
Band12	10	23060	1	#Mid	QPSK	22.14	3.06	23.05	34.77	PASS
Band12	10	23060	1	#Max	QPSK	22.05	3.06	22.96	34.77	PASS

Band12	10	23060	25	#0	QPSK	21.29	3.06	22.2	34.77	PASS
Band12	10	23060	25	#Mid	QPSK	21.25	3.06	22.16	34.77	PASS
Band12	10	23060	25	#Max	QPSK	21.18	3.06	22.09	34.77	PASS
Band12	10	23060	50	#0	QPSK	21.22	3.06	22.13	34.77	PASS
Band12	10	23060	1	#0	QAM16	21.82	3.06	22.73	34.77	PASS
Band12	10	23060	1	#Mid	QAM16	21.69	3.06	22.6	34.77	PASS
Band12	10	23060	1	#Max	QAM16	21.57	3.06	22.48	34.77	PASS
Band12	10	23060	25	#0	QAM16	20.37	3.06	21.28	34.77	PASS
Band12	10	23060	25	#Mid	QAM16	20.36	3.06	21.27	34.77	PASS
Band12	10	23060	25	#Max	QAM16	20.23	3.06	21.14	34.77	PASS
Band12	10	23060	50	#0	QAM16	20.26	3.06	21.17	34.77	PASS
Band12	10	23095	1	#0	QPSK	22.19	3.06	23.1	34.77	PASS
Band12	10	23095	1	#Mid	QPSK	22.09	3.06	23	34.77	PASS
Band12	10	23095	1	#Max	QPSK	22.02	3.06	22.93	34.77	PASS
Band12	10	23095	25	#0	QPSK	21.22	3.06	22.13	34.77	PASS
Band12	10	23095	25	#Mid	QPSK	21.18	3.06	22.09	34.77	PASS
Band12	10	23095	25	#Max	QPSK	21.13	3.06	22.04	34.77	PASS
Band12	10	23095	50	#0	QPSK	21.19	3.06	22.1	34.77	PASS
Band12	10	23095	1	#0	QAM16	21.44	3.06	22.35	34.77	PASS
Band12	10	23095	1	#Mid	QAM16	21.37	3.06	22.28	34.77	PASS
Band12	10	23095	1	#Max	QAM16	21.3	3.06	22.21	34.77	PASS
Band12	10	23095	25	#0	QAM16	20.25	3.06	21.16	34.77	PASS
Band12	10	23095	25	#Mid	QAM16	20.22	3.06	21.13	34.77	PASS
Band12	10	23095	25	#Max	QAM16	20.17	3.06	21.08	34.77	PASS
Band12	10	23095	50	#0	QAM16	20.25	3.06	21.16	34.77	PASS
Band12	10	23130	1	#0	QPSK	22.2	3.06	23.11	34.77	PASS
Band12	10	23130	1	#Mid	QPSK	22.12	3.06	23.03	34.77	PASS
Band12	10	23130	1	#Max	QPSK	22.26	3.06	23.17	34.77	PASS
Band12	10	23130	25	#0	QPSK	21.14	3.06	22.05	34.77	PASS
Band12	10	23130	25	#Mid	QPSK	21.12	3.06	22.03	34.77	PASS
Band12	10	23130	25	#Max	QPSK	21.09	3.06	22	34.77	PASS
Band12	10	23130	50	#0	QPSK	21.14	3.06	22.05	34.77	PASS
Band12	10	23130	1	#0	QAM16	21.11	3.06	22.02	34.77	PASS
Band12	10	23130	1	#Mid	QAM16	21.03	3.06	21.94	34.77	PASS
Band12	10	23130	1	#Max	QAM16	21.12	3.06	22.03	34.77	PASS
Band12	10	23130	25	#0	QAM16	20.19	3.06	21.1	34.77	PASS
Band12	10	23130	25	#Mid	QAM16	20.22	3.06	21.13	34.77	PASS
Band12	10	23130	25	#Max	QAM16	20.15	3.06	21.06	34.77	PASS
Band12	10	23130	50	#0	QAM16	20.2	3.06	21.11	34.77	PASS

2 Frequency stability

2.1 Frequency VS Voltage

Band	Bandwidth (MHz)	Voltage	Temp (°C)	UL Channel	RB Size	RB Position	Modulation	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
Band12	10	LV	NT	23060	50	#0	QPSK	-2.16	-0.003	±2.5	PASS
Band12	10	NV	NT	23060	50	#0	QPSK	-2.20	-0.003	±2.5	PASS
Band12	10	HV	NT	23060	50	#0	QPSK	-3.05	-0.004	±2.5	PASS
Band12	10	LV	NT	23095	50	#0	QPSK	-2.05	-0.003	±2.5	PASS
Band12	10	NV	NT	23095	50	#0	QPSK	-0.01	0.000	±2.5	PASS
Band12	10	HV	NT	23095	50	#0	QPSK	-4.12	-0.006	±2.5	PASS
Band12	10	LV	NT	23130	50	#0	QPSK	3.42	0.005	±2.5	PASS
Band12	10	NV	NT	23130	50	#0	QPSK	-0.82	-0.001	±2.5	PASS
Band12	10	HV	NT	23130	50	#0	QPSK	-6.56	-0.009	±2.5	PASS
Band12	10	LV	NT	23060	50	#0	QAM16	-1.27	-0.002	±2.5	PASS
Band12	10	NV	NT	23060	50	#0	QAM16	-1.17	-0.002	±2.5	PASS
Band12	10	HV	NT	23060	50	#0	QAM16	3.93	0.006	±2.5	PASS
Band12	10	LV	NT	23095	50	#0	QAM16	-2.00	-0.003	±2.5	PASS
Band12	10	NV	NT	23095	50	#0	QAM16	-5.62	-0.007	±2.5	PASS
Band12	10	HV	NT	23095	50	#0	QAM16	-0.70	-0.001	±2.5	PASS
Band12	10	LV	NT	23130	50	#0	QAM16	-3.83	-0.005	±2.5	PASS
Band12	10	NV	NT	23130	50	#0	QAM16	4.17	0.006	±2.5	PASS
Band12	10	HV	NT	23130	50	#0	QAM16	0.43	0.001	±2.5	PASS

2.2 .Frequency Vs Temperature

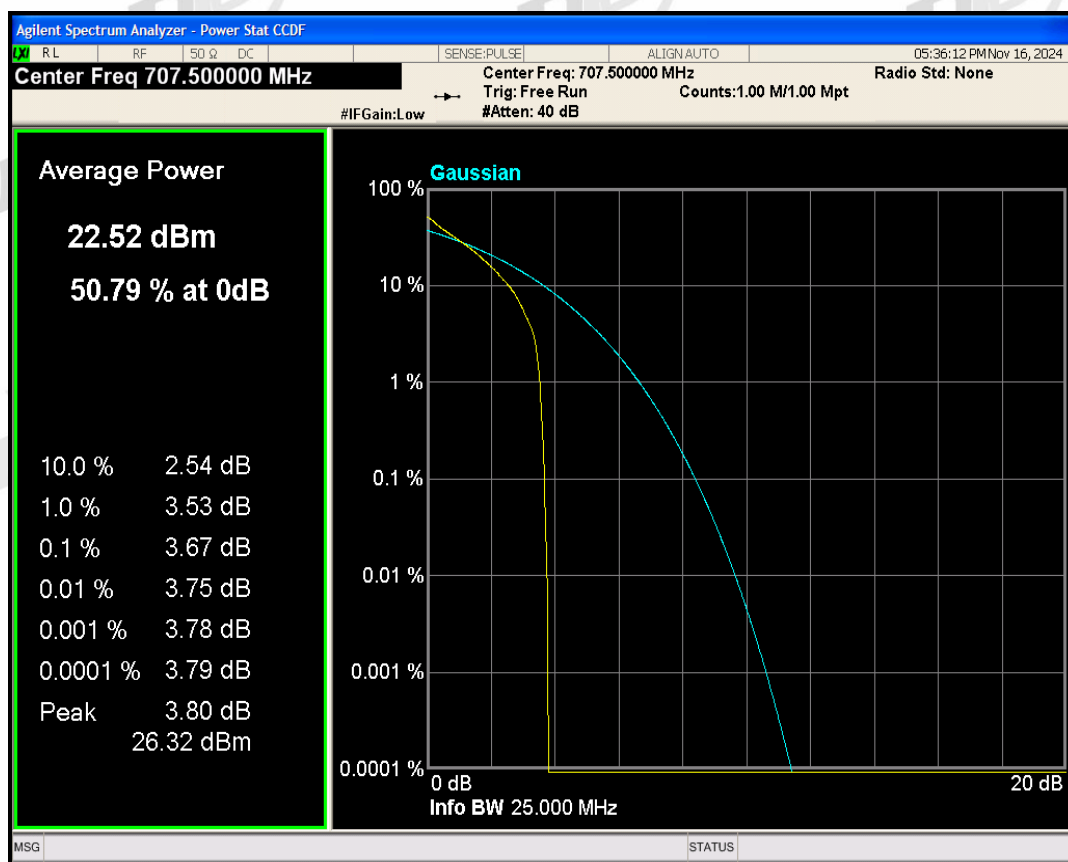
Band	Bandwidth (MHz)	Voltage	Temp (°C)	UL Channel	RB Size	RB Position	Modulation	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
Band12	10	NV	-30	23060	50	#0	QPSK	11.43	0.006	±2.5	PASS
Band12	10	NV	-20	23060	50	#0	QPSK	11.60	0.006	±2.5	PASS
Band12	10	NV	0	23060	50	#0	QPSK	-0.70	0.000	±2.5	PASS
Band12	10	NV	10	23060	50	#0	QPSK	-6.14	-0.003	±2.5	PASS
Band12	10	NV	20	23060	50	#0	QPSK	-3.50	-0.001	±2.5	PASS
Band12	10	NV	30	23060	50	#0	QPSK	-0.12	0.000	±2.5	PASS
Band12	10	NV	40	23060	50	#0	QPSK	-5.64	-0.002	±2.5	PASS
Band12	10	NV	50	23060	50	#0	QPSK	-6.35	-0.002	±2.5	PASS
Band12	10	NV	-30	23095	50	#0	QPSK	3.08	0.001	±2.5	PASS
Band12	10	NV	-20	23095	50	#0	QPSK	-1.38	-0.001	±2.5	PASS
Band12	10	NV	0	23095	50	#0	QPSK	-10.94	-0.006	±2.5	PASS
Band12	10	NV	10	23095	50	#0	QPSK	0.28	0.000	±2.5	PASS
Band12	10	NV	20	23095	50	#0	QPSK	4.42	0.003	±2.5	PASS
Band12	10	NV	30	23095	50	#0	QPSK	-4.18	-0.002	±2.5	PASS
Band12	10	NV	40	23095	50	#0	QPSK	4.27	0.002	±2.5	PASS
Band12	10	NV	50	23095	50	#0	QPSK	-3.37	-0.002	±2.5	PASS
Band12	10	NV	-30	23130	50	#0	QPSK	-3.34	-0.001	±2.5	PASS
Band12	10	NV	-20	23130	50	#0	QPSK	-1.93	-0.001	±2.5	PASS
Band12	10	NV	0	23130	50	#0	QPSK	-6.70	-0.003	±2.5	PASS

Band12	10	NV	10	23130	50	#0	QPSK	-6.59	-0.003	±2.5	PASS
Band12	10	NV	20	23130	50	#0	QPSK	6.86	0.003	±2.5	PASS
Band12	10	NV	30	23130	50	#0	QPSK	3.21	0.001	±2.5	PASS
Band12	10	NV	40	23130	50	#0	QPSK	1.70	0.001	±2.5	PASS
Band12	10	NV	50	23130	50	#0	QPSK	-1.84	-0.001	±2.5	PASS
Band12	10	NV	-30	23060	50	#0	16QAM	11.90	0.004	±2.5	PASS
Band12	10	NV	-20	23060	50	#0	16QAM	8.42	0.003	±2.5	PASS
Band12	10	NV	0	23060	50	#0	16QAM	-3.80	-0.005	±2.5	PASS
Band12	10	NV	10	23060	50	#0	16QAM	-4.06	-0.005	±2.5	PASS
Band12	10	NV	20	23060	50	#0	16QAM	-2.67	-0.003	±2.5	PASS
Band12	10	NV	30	23060	50	#0	16QAM	-4.70	-0.006	±2.5	PASS
Band12	10	NV	40	23060	50	#0	16QAM	-3.84	-0.005	±2.5	PASS
Band12	10	NV	50	23060	50	#0	16QAM	-6.19	-0.007	±2.5	PASS
Band12	10	NV	-30	23095	50	#0	16QAM	-0.31	0.000	±2.5	PASS
Band12	10	NV	-20	23095	50	#0	16QAM	-3.77	-0.002	±2.5	PASS
Band12	10	NV	0	23095	50	#0	16QAM	-2.38	-0.001	±2.5	PASS
Band12	10	NV	10	23095	50	#0	16QAM	-4.95	-0.002	±2.5	PASS
Band12	10	NV	20	23095	50	#0	16QAM	9.23	0.004	±2.5	PASS
Band12	10	NV	30	23095	50	#0	16QAM	3.51	0.001	±2.5	PASS
Band12	10	NV	40	23095	50	#0	16QAM	-2.00	-0.003	±2.5	PASS
Band12	10	NV	50	23095	50	#0	16QAM	-2.05	-0.001	±2.5	PASS
Band12	10	NV	-30	23130	50	#0	16QAM	-10.10	-0.005	±2.5	PASS
Band12	10	NV	-20	23130	50	#0	16QAM	11.43	0.006	±2.5	PASS
Band12	10	NV	0	23130	50	#0	16QAM	11.60	0.006	±2.5	PASS
Band12	10	NV	10	23130	50	#0	16QAM	-2.05	-0.001	±2.5	PASS
Band12	10	NV	20	23130	50	#0	16QAM	-5.64	-0.002	±2.5	PASS
Band12	10	NV	30	23130	50	#0	16QAM	-6.35	-0.002	±2.5	PASS
Band12	10	NV	40	23130	50	#0	16QAM	3.08	0.001	±2.5	PASS
Band12	10	NV	50	23130	50	#0	16QAM	-1.38	-0.001	±2.5	PASS

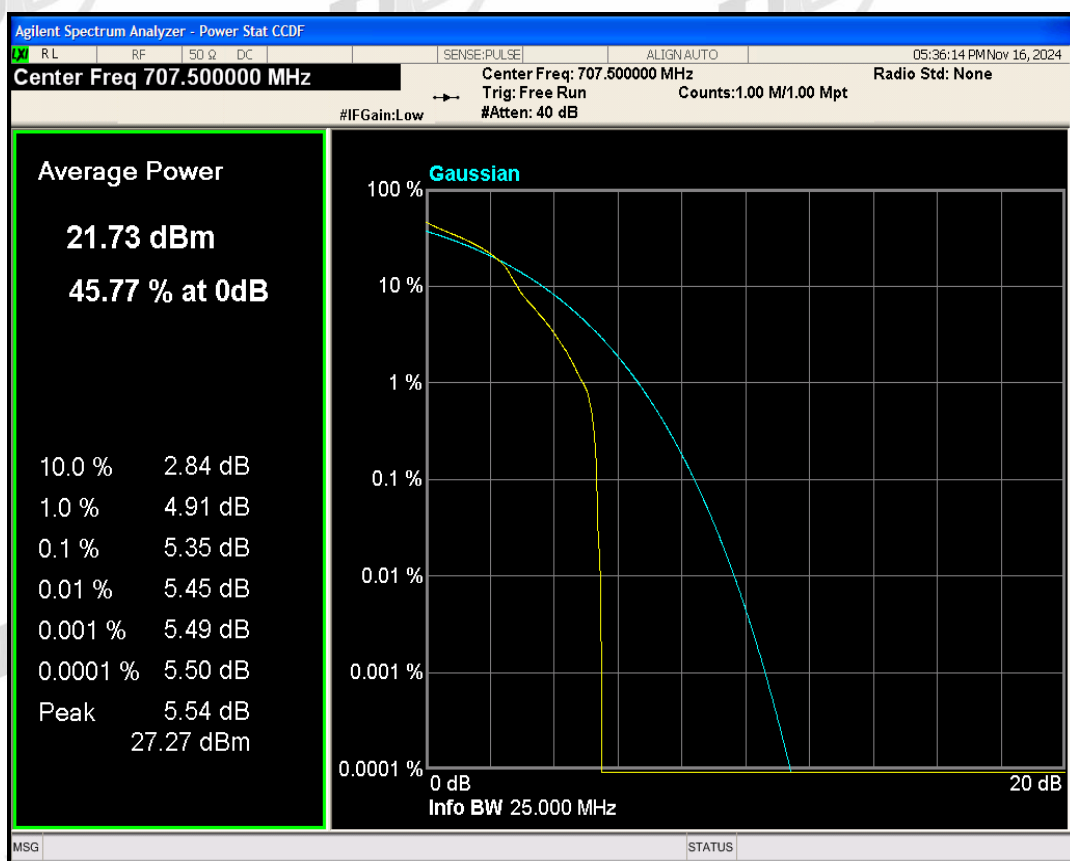
3 Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23095	1	#0	QPSK	3.67	13	PASS
Band12	1.4	23095	1	#0	QAM16	5.35	13	PASS
Band12	3	23095	1	#0	QPSK	3.48	13	PASS
Band12	3	23095	1	#0	QAM16	5.19	13	PASS
Band12	5	23095	1	#0	QPSK	3.48	13	PASS
Band12	5	23095	1	#0	QAM16	5.27	13	PASS
Band12	10	23095	1	#0	QPSK	3.45	13	PASS
Band12	10	23095	1	#0	QAM16	5.16	13	PASS

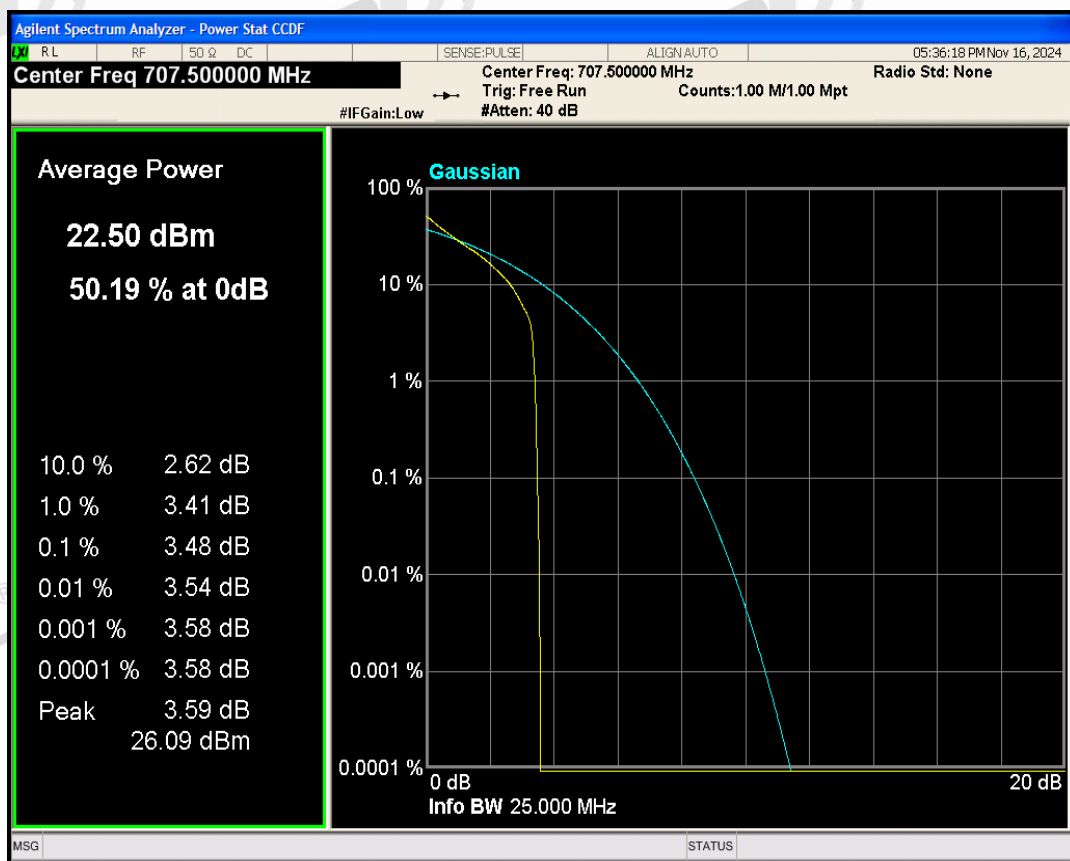
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



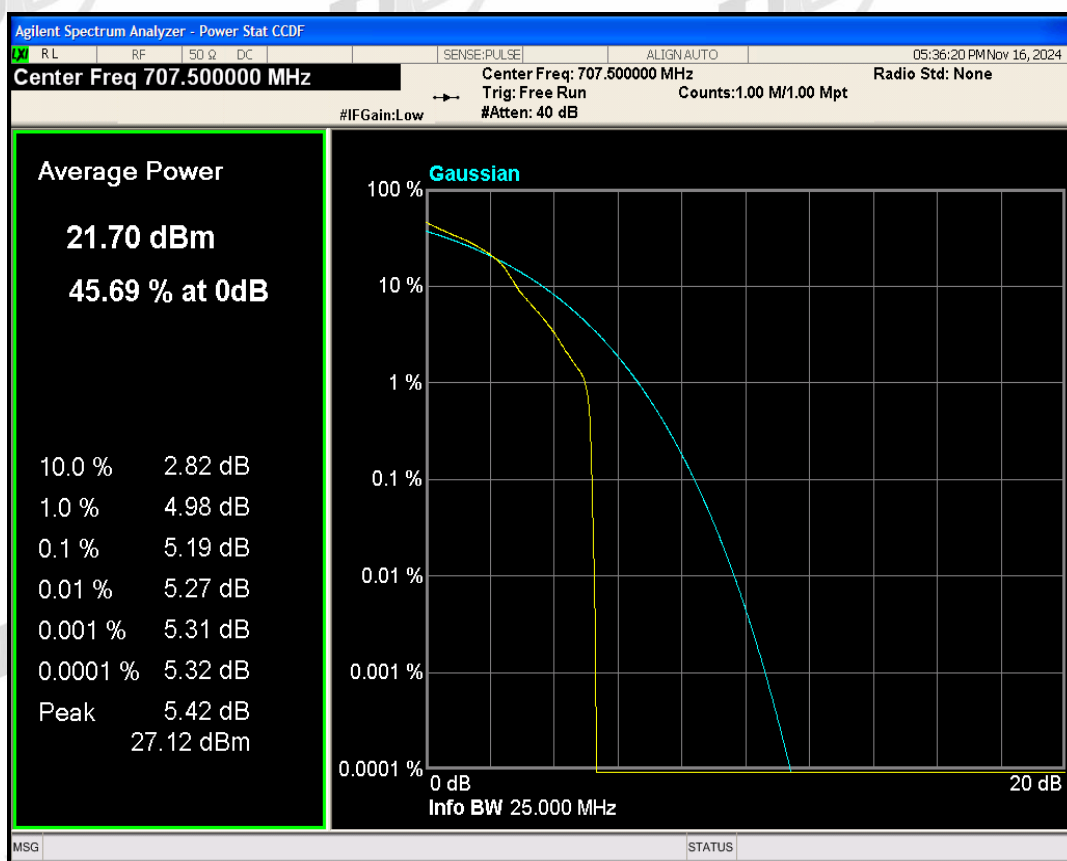
Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=1 Position=#0



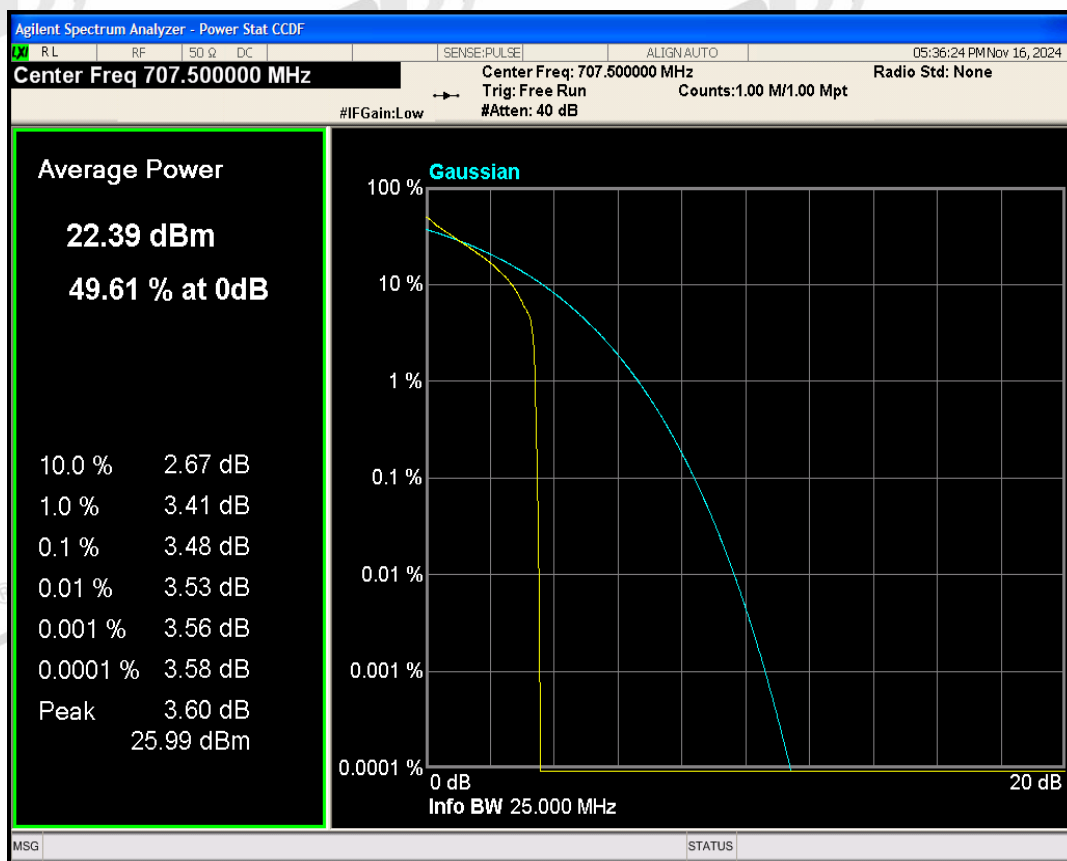
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



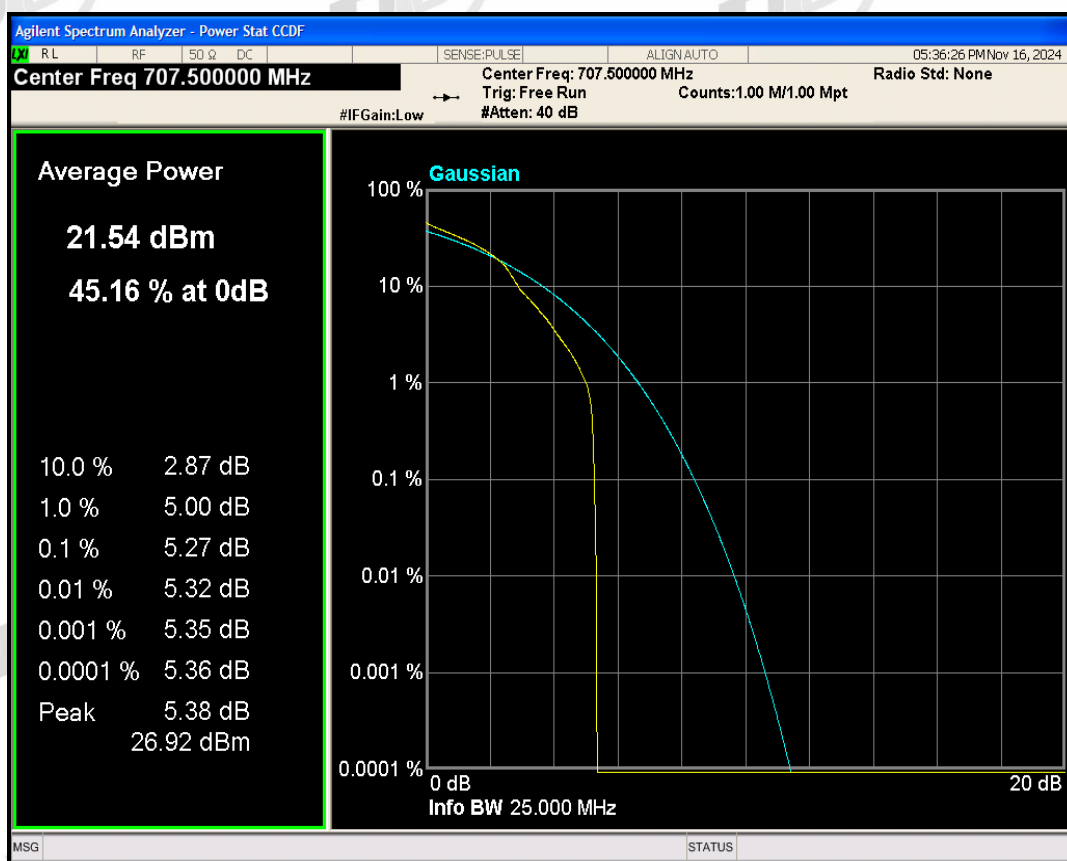
Band12 QAM16 BW=3MHz Channel=23095 RB Size=1 Position=#0



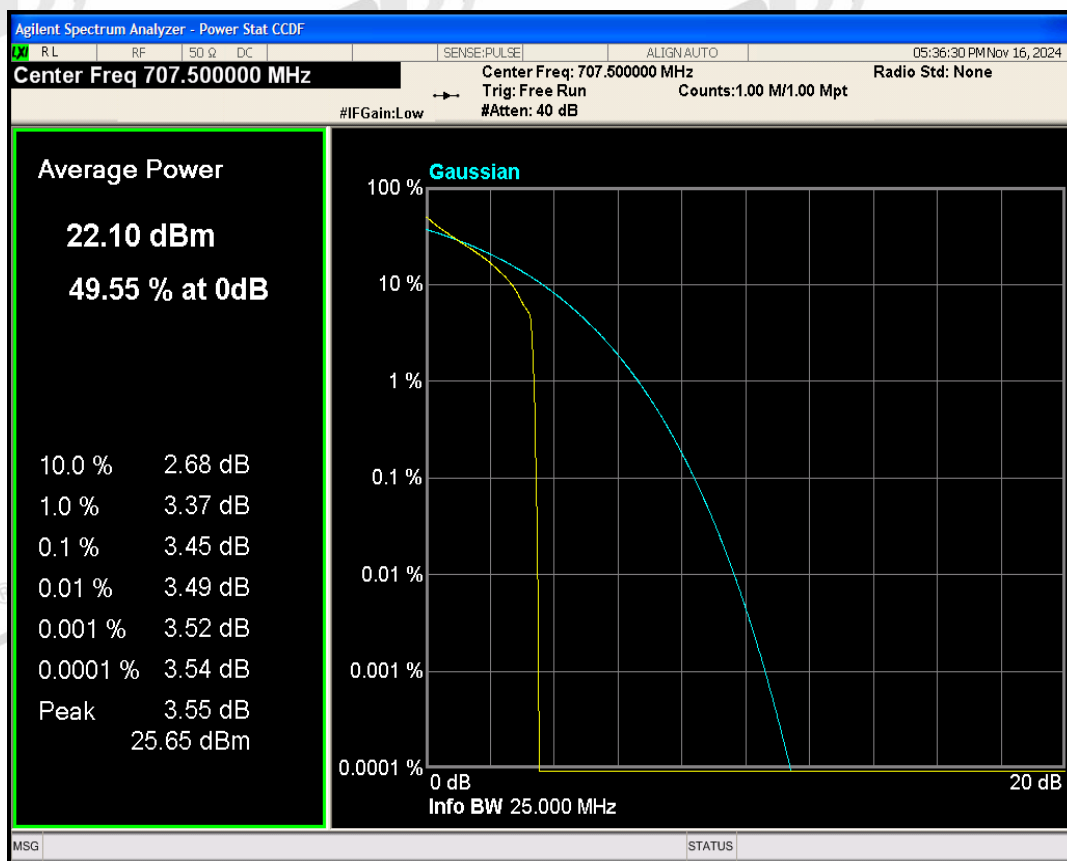
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



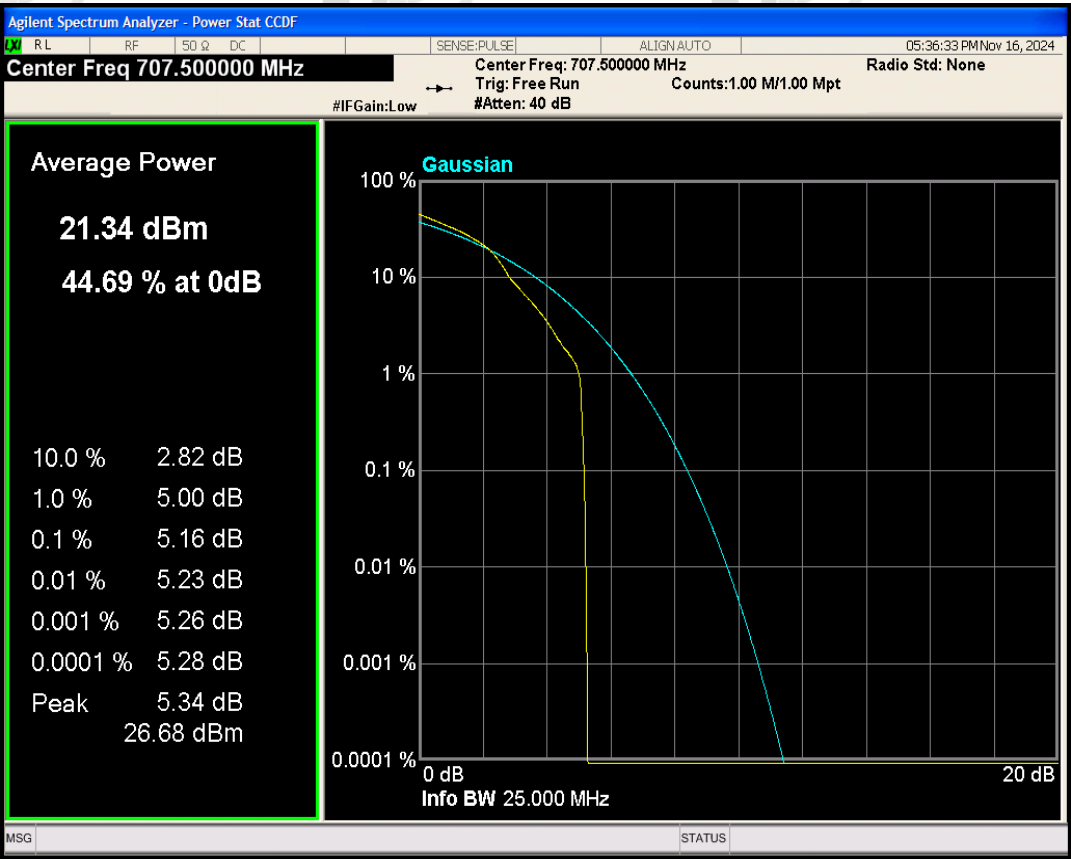
Band12 QAM16 BW=5MHz Channel=23095 RB Size=1 Position=#0



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



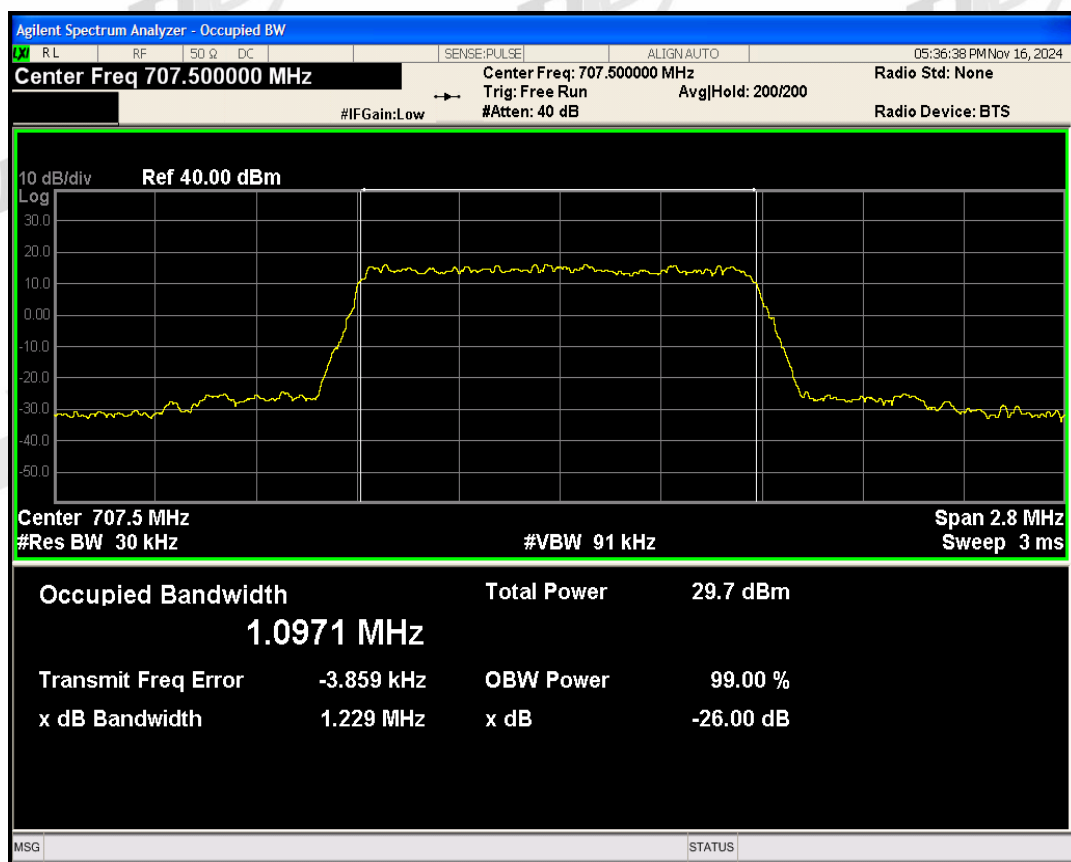
Band12 QAM16 BW=10MHz Channel=23095 RB Size=1 Position=#0



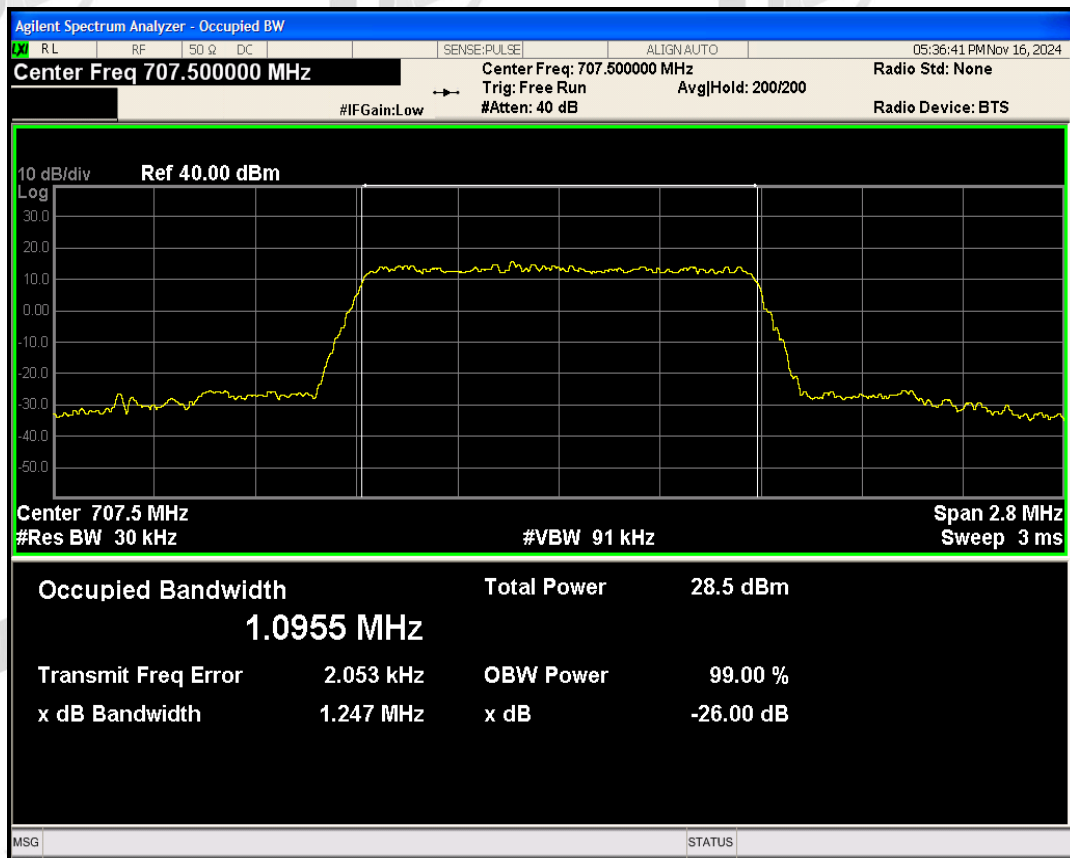
4 Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23095	6	#0	QPSK	1.097	1.229	PASS
Band12	1.4	23095	6	#0	QAM16	1.096	1.247	PASS
Band12	3	23095	15	#0	QPSK	2.703	3.009	PASS
Band12	3	23095	15	#0	QAM16	2.709	2.949	PASS
Band12	5	23095	25	#0	QPSK	4.523	4.969	PASS
Band12	5	23095	25	#0	QAM16	4.520	4.951	PASS
Band12	10	23095	50	#0	QPSK	8.965	9.831	PASS
Band12	10	23095	50	#0	QAM16	8.980	9.670	PASS

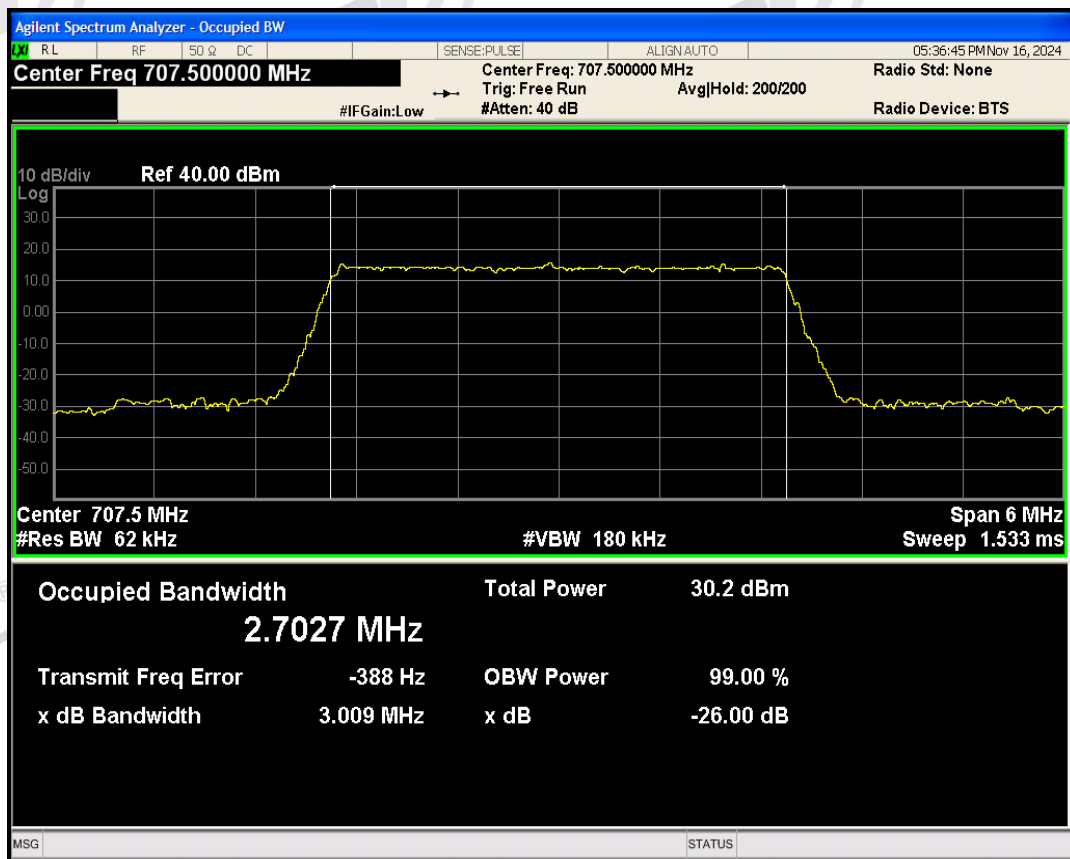
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



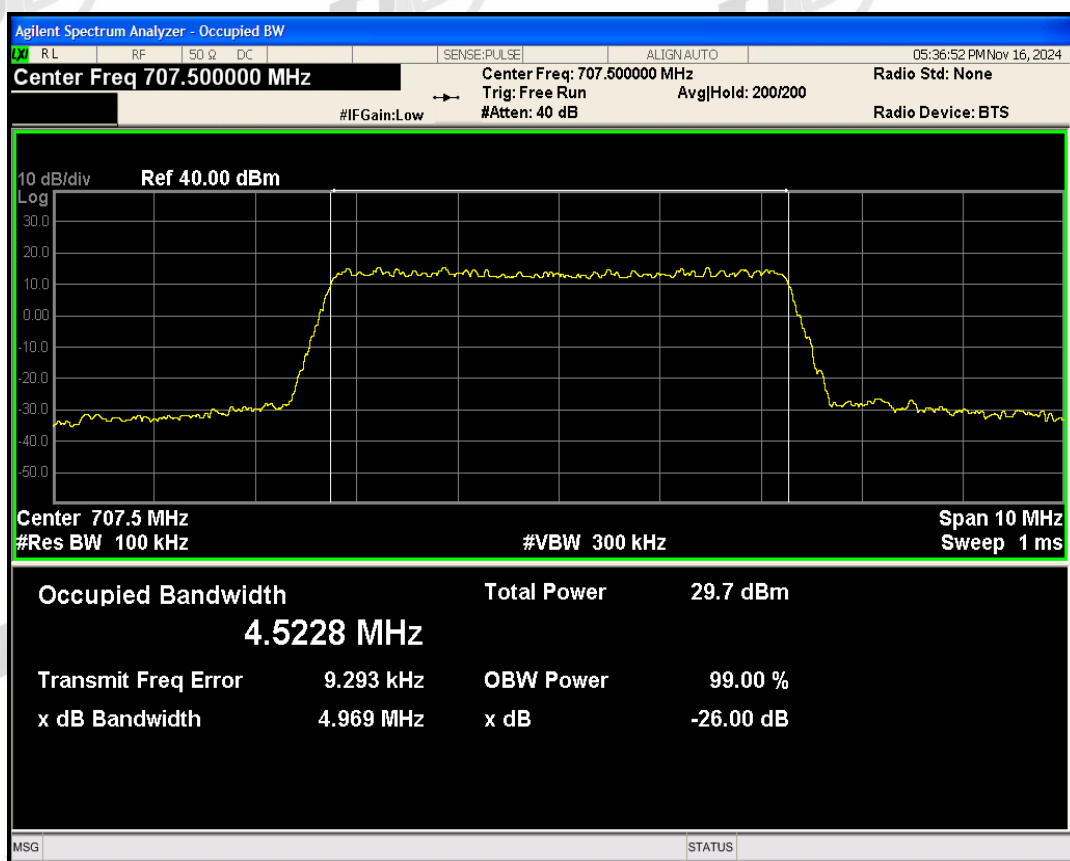
Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=6 Position=#0



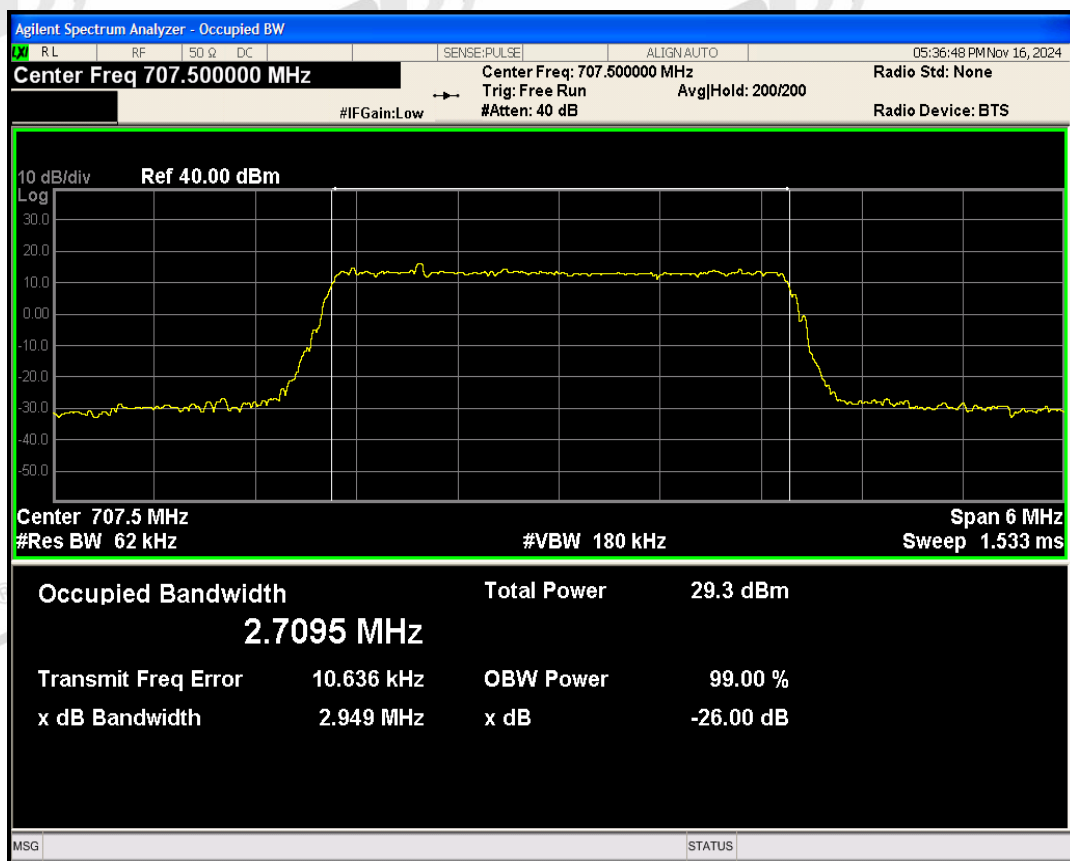
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



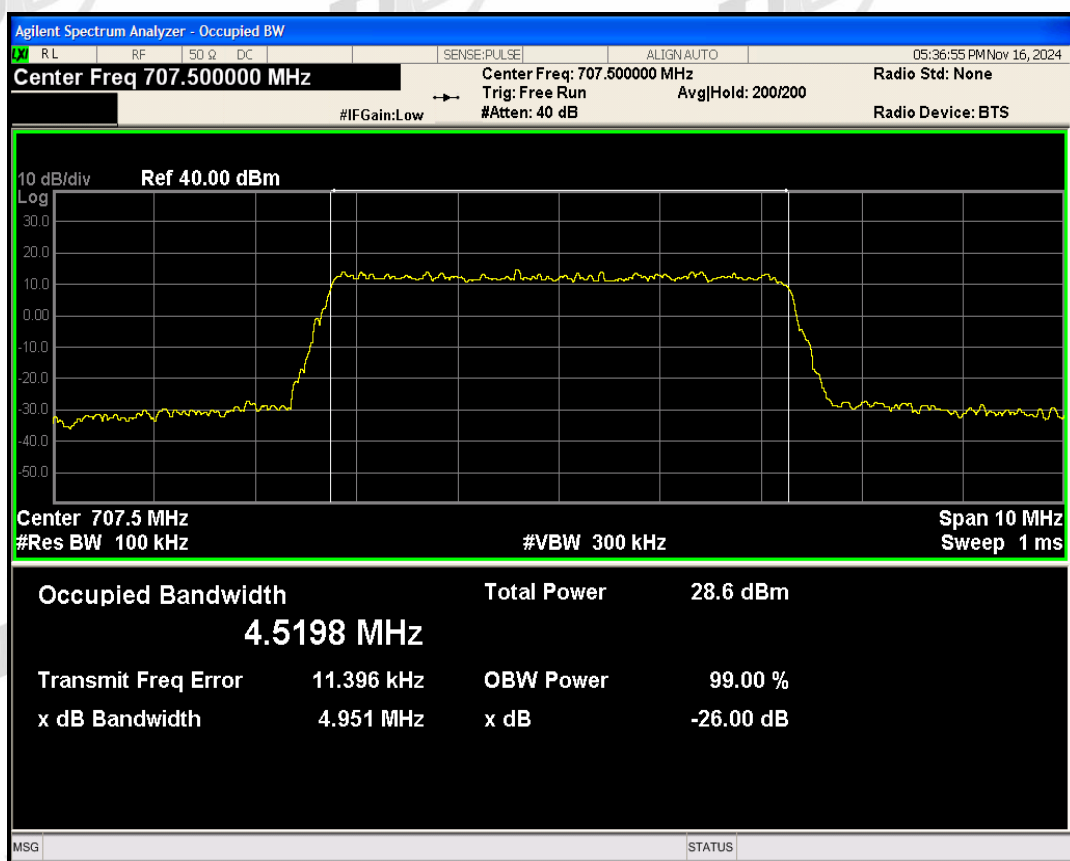
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



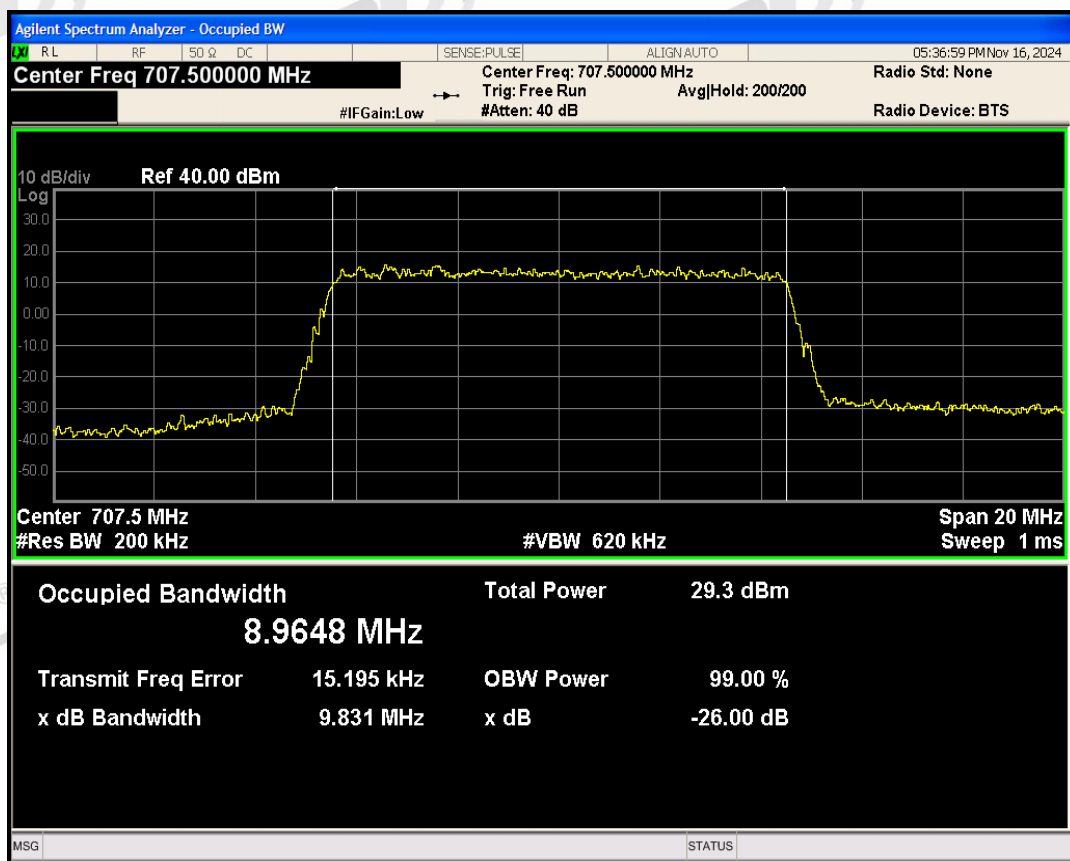
Band12 QAM16 BW=3MHz Channel=23095 RB Size=15 Position=#0



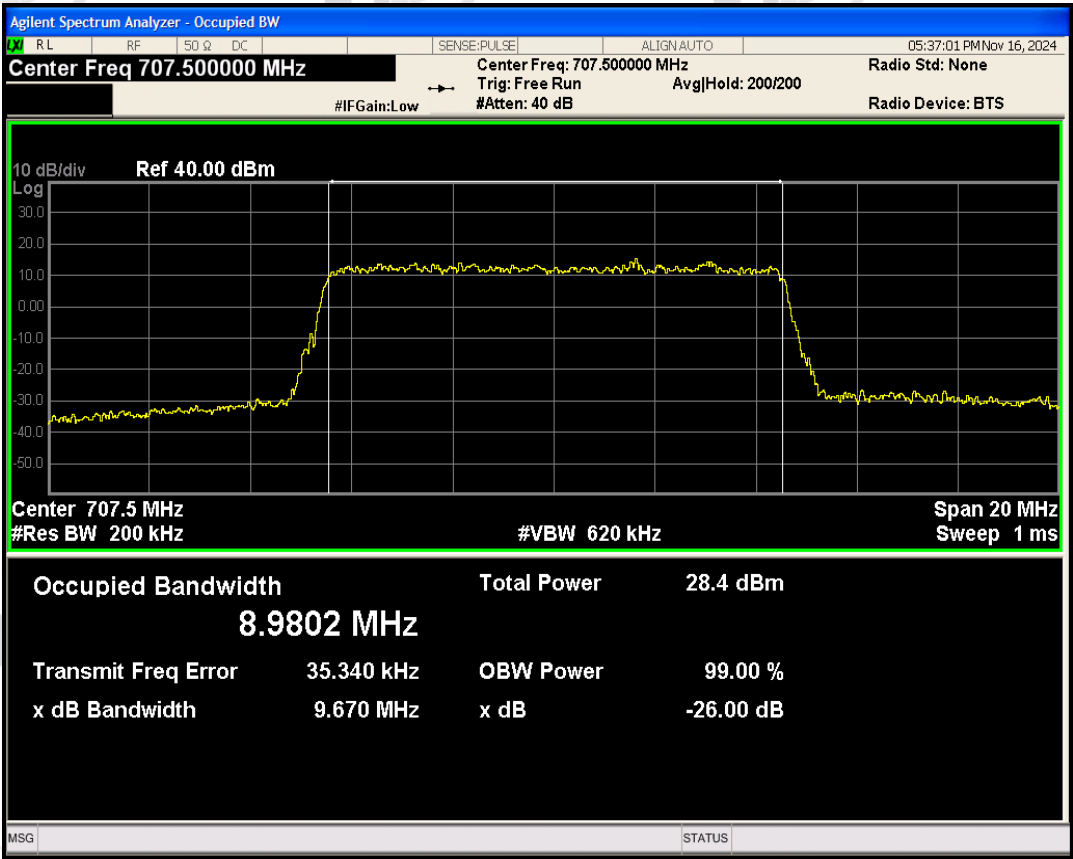
Band12 QAM16 BW=5MHz Channel=23095 RB Size=25 Position=#0



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



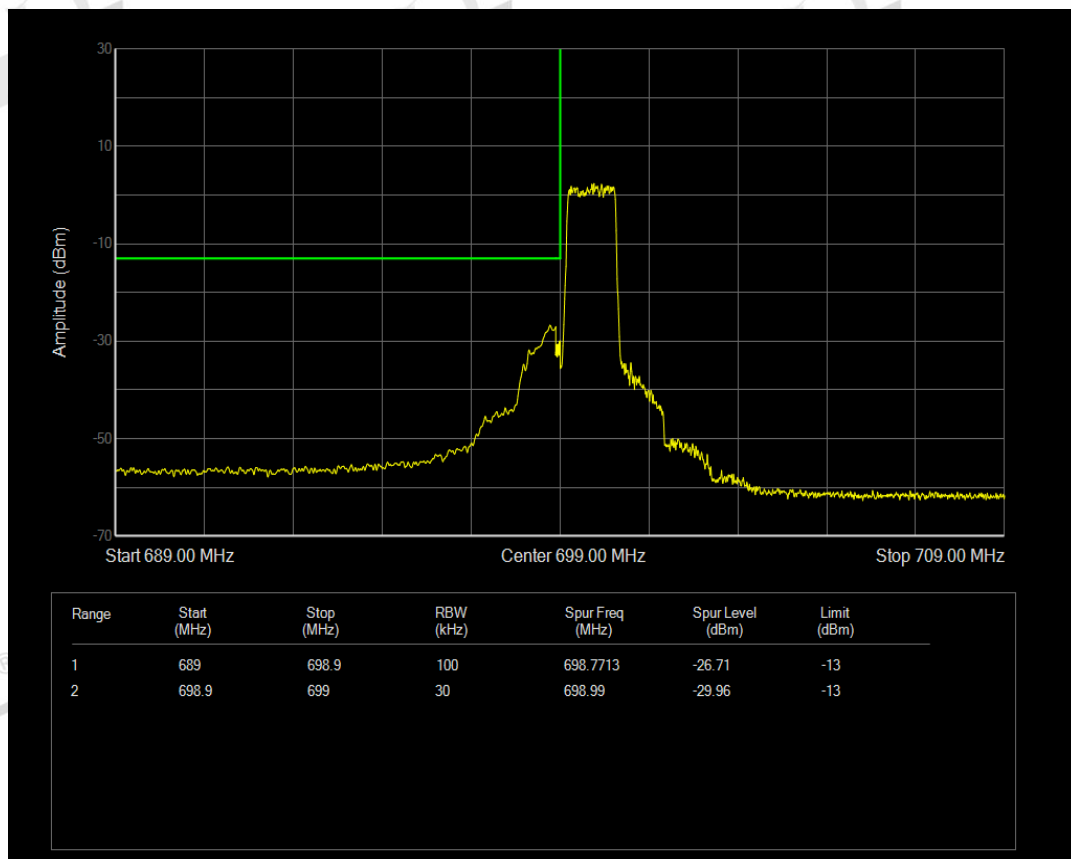
Band12 QAM16 BW=10MHz Channel=23095 RB Size=50 Position=#0



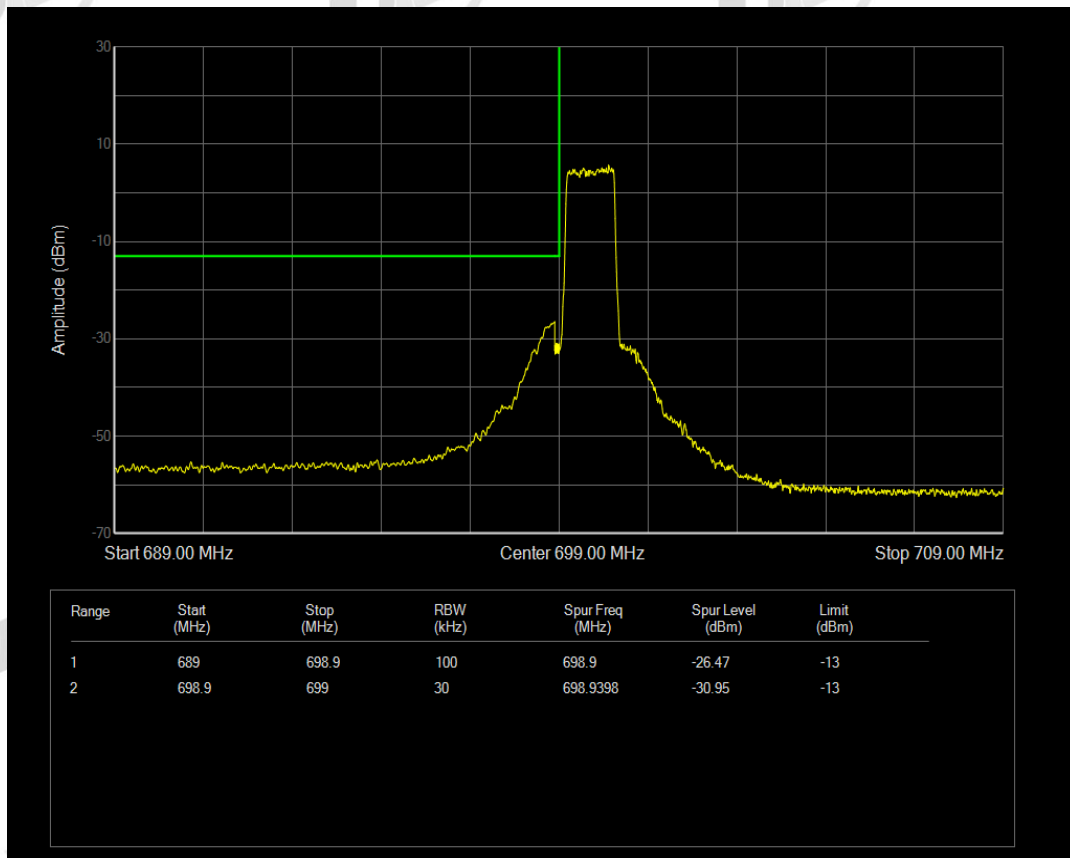
5 Band edge

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	698.77	-26.71	-13	PASS
Band12	1.4	23017	6	#0	QAM16	698.90	-26.47	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.14	-29.20	-13	PASS
Band12	1.4	23173	6	#0	QAM16	716.11	-28.55	-13	PASS
Band12	3	23025	15	#0	QPSK	699.00	-27.34	-13	PASS
Band12	3	23025	15	#0	QAM16	698.90	-29.86	-13	PASS
Band12	3	23165	15	#0	QPSK	716.01	-27.69	-13	PASS
Band12	3	23165	15	#0	QAM16	716.00	-27.73	-13	PASS
Band12	5	23035	25	#0	QPSK	698.99	-32.56	-13	PASS
Band12	5	23035	25	#0	QAM16	698.74	-33.66	-13	PASS
Band12	5	23155	25	#0	QPSK	716.00	-31.46	-13	PASS
Band12	5	23155	25	#0	QAM16	716.11	-32.67	-13	PASS
Band12	10	23060	50	#0	QPSK	698.90	-37.90	-13	PASS
Band12	10	23060	50	#0	QAM16	698.90	-38.62	-13	PASS
Band12	10	23130	50	#0	QPSK	716.11	-34.72	-13	PASS
Band12	10	23130	50	#0	QAM16	716.12	-36.10	-13	PASS

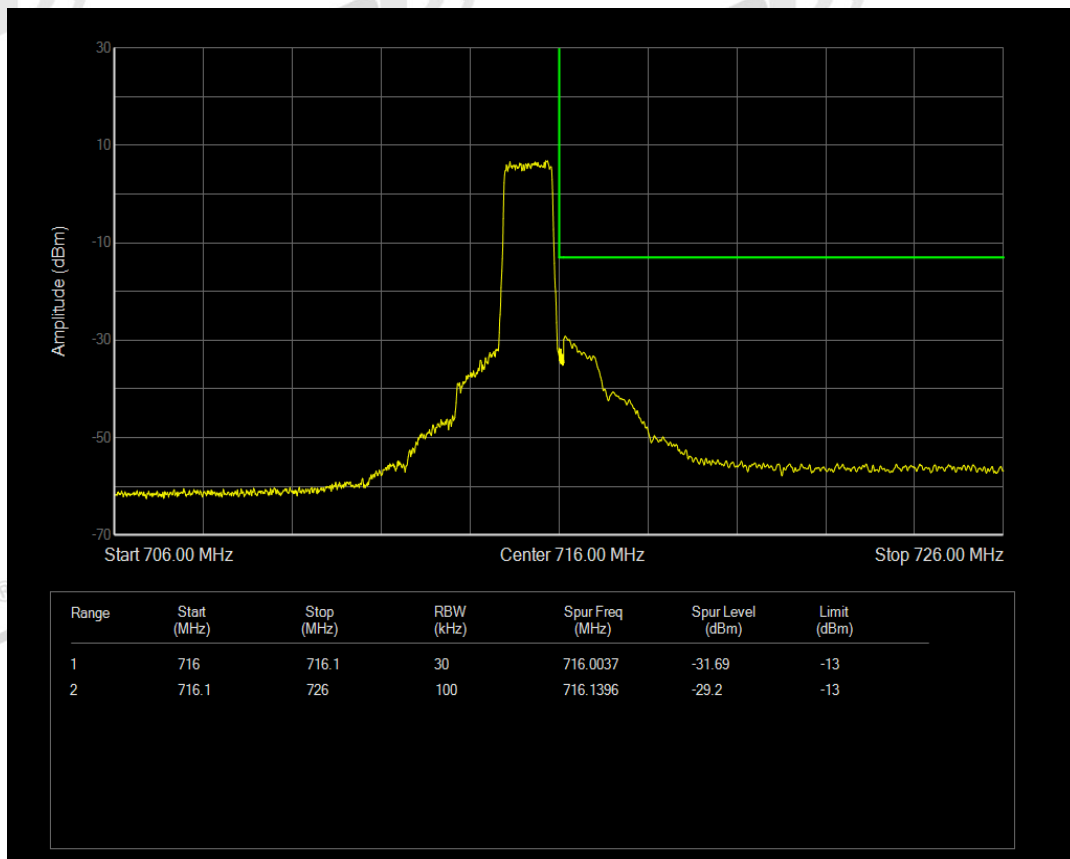
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



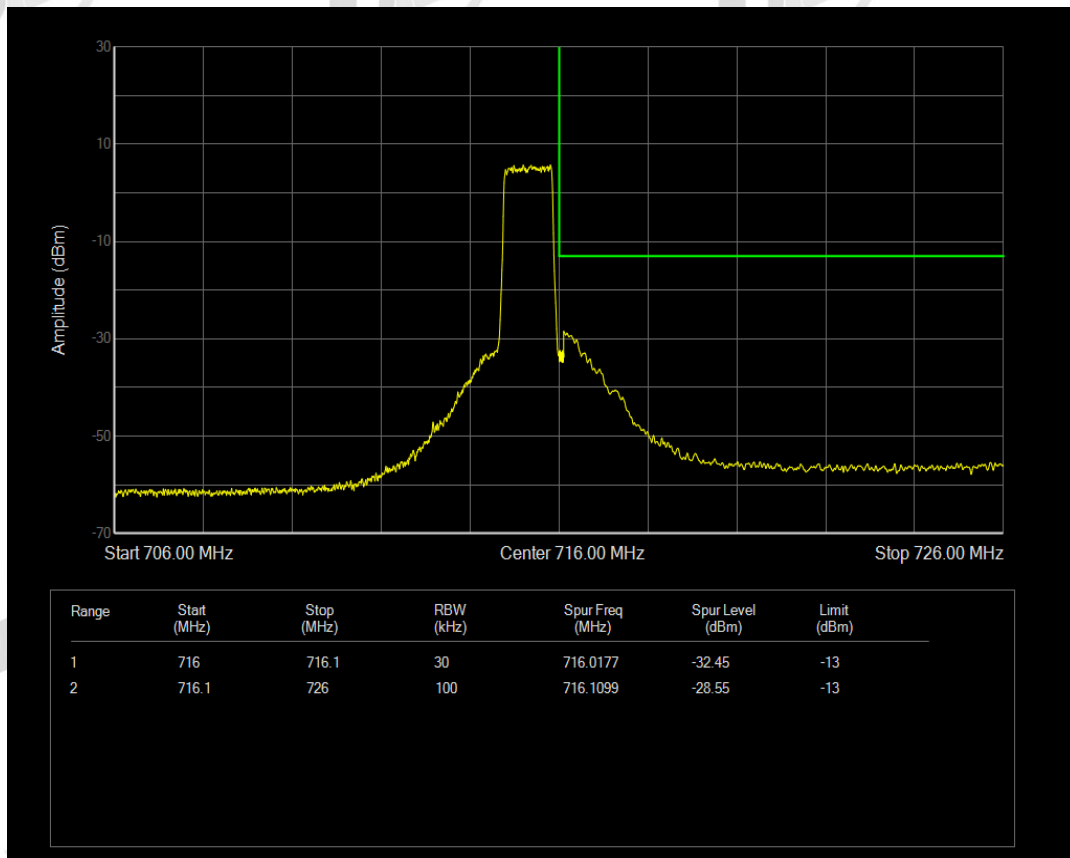
Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0



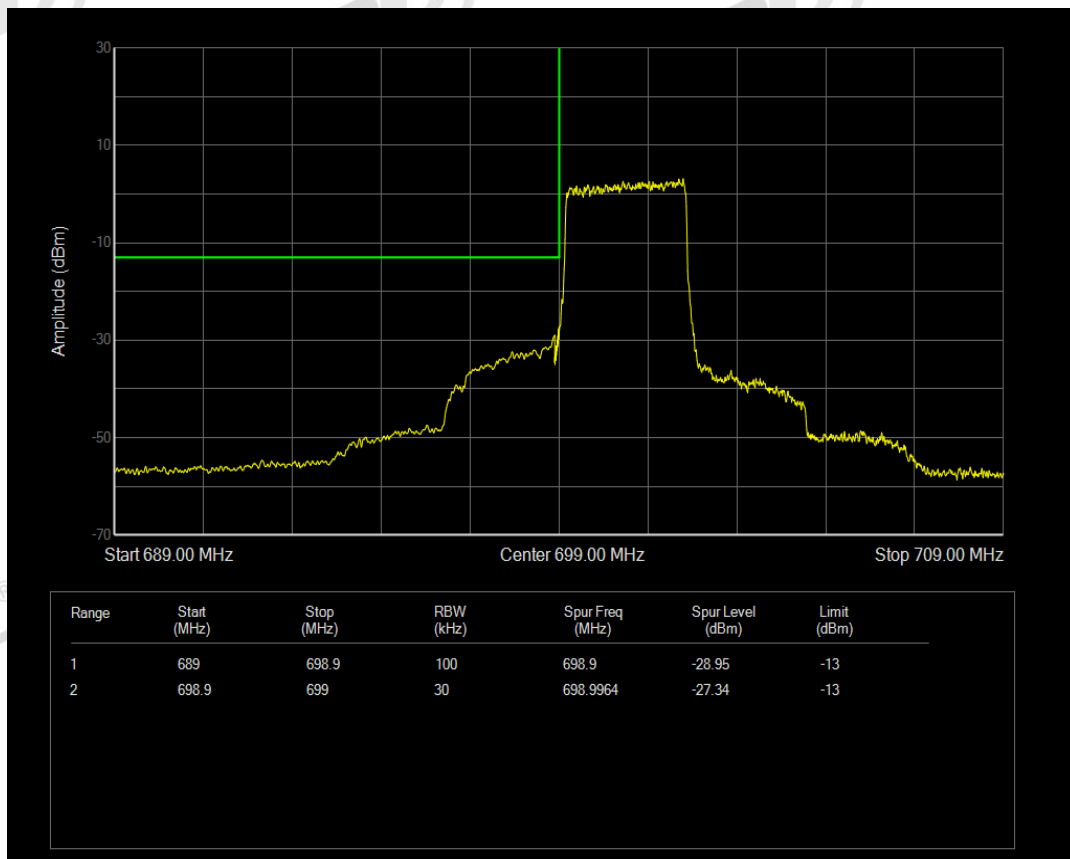
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



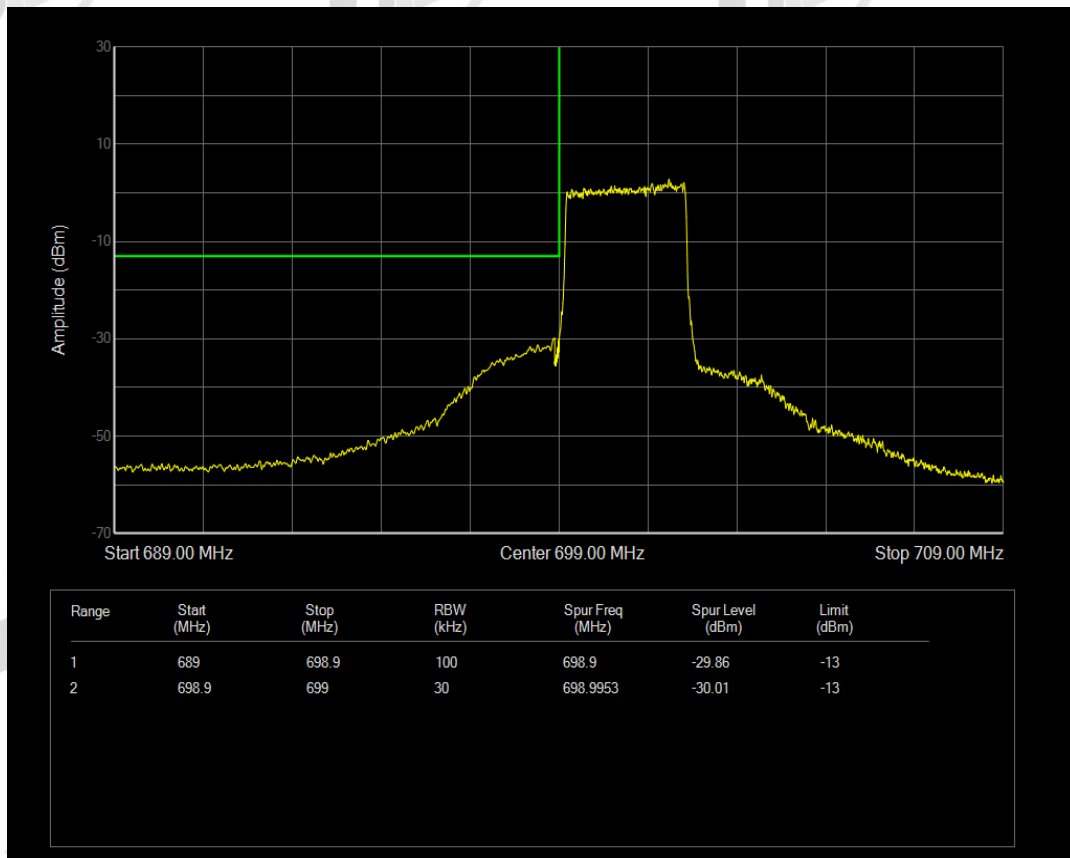
Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0



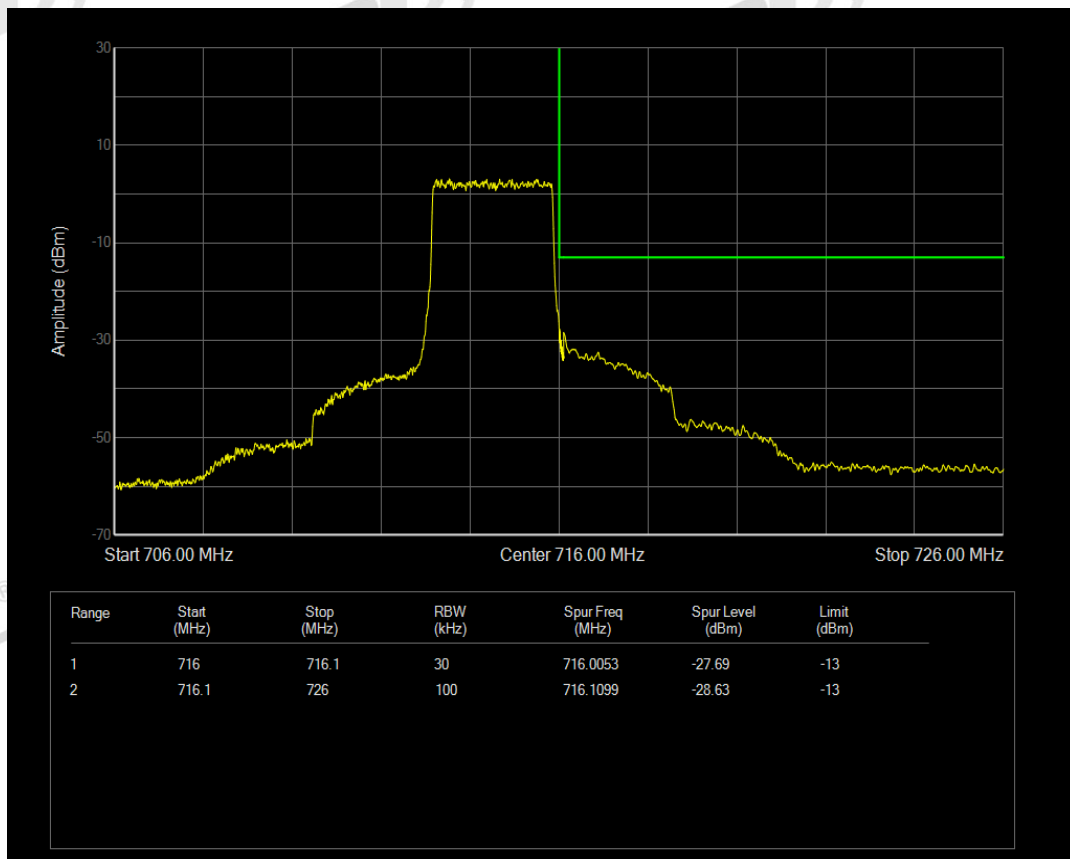
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



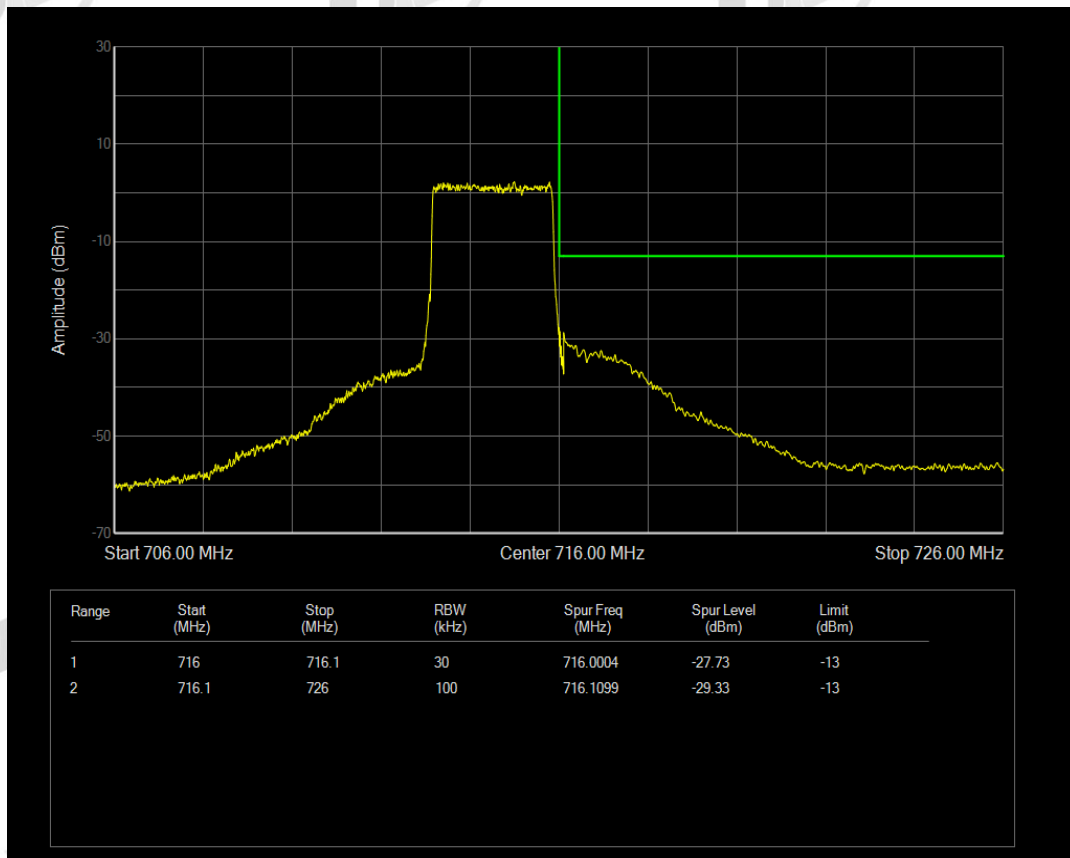
Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0



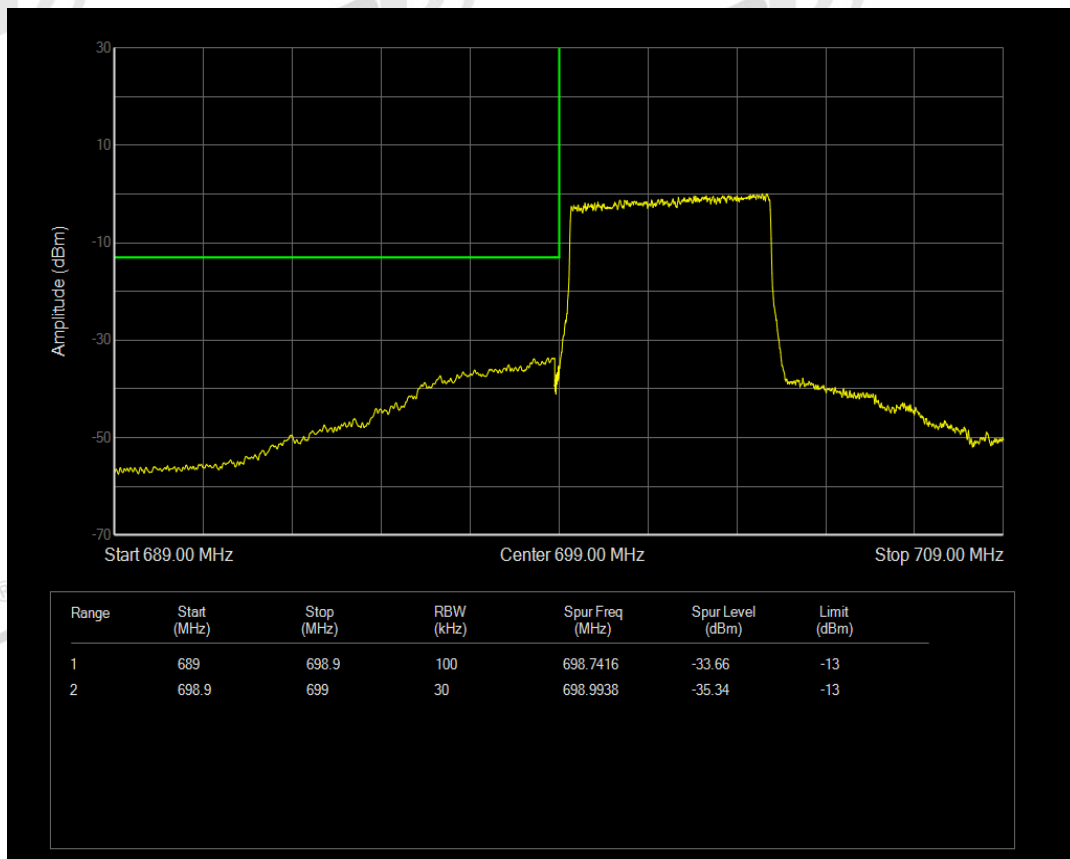
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



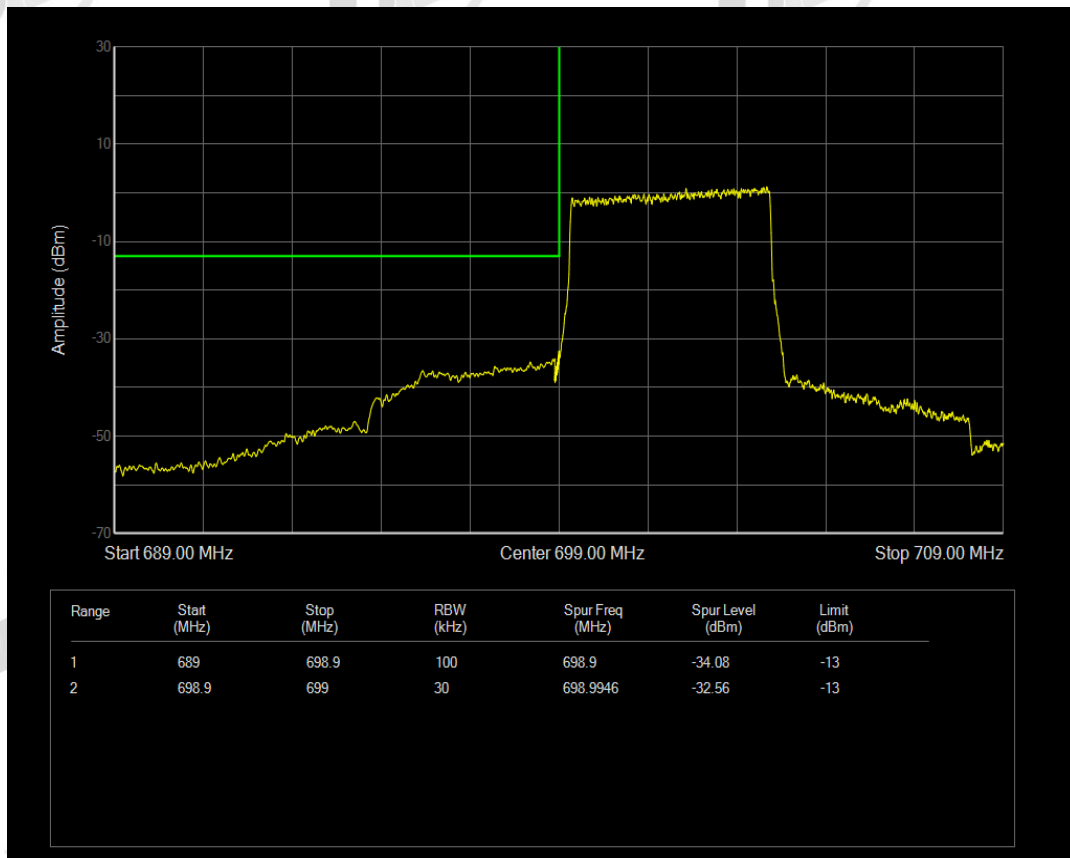
Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0



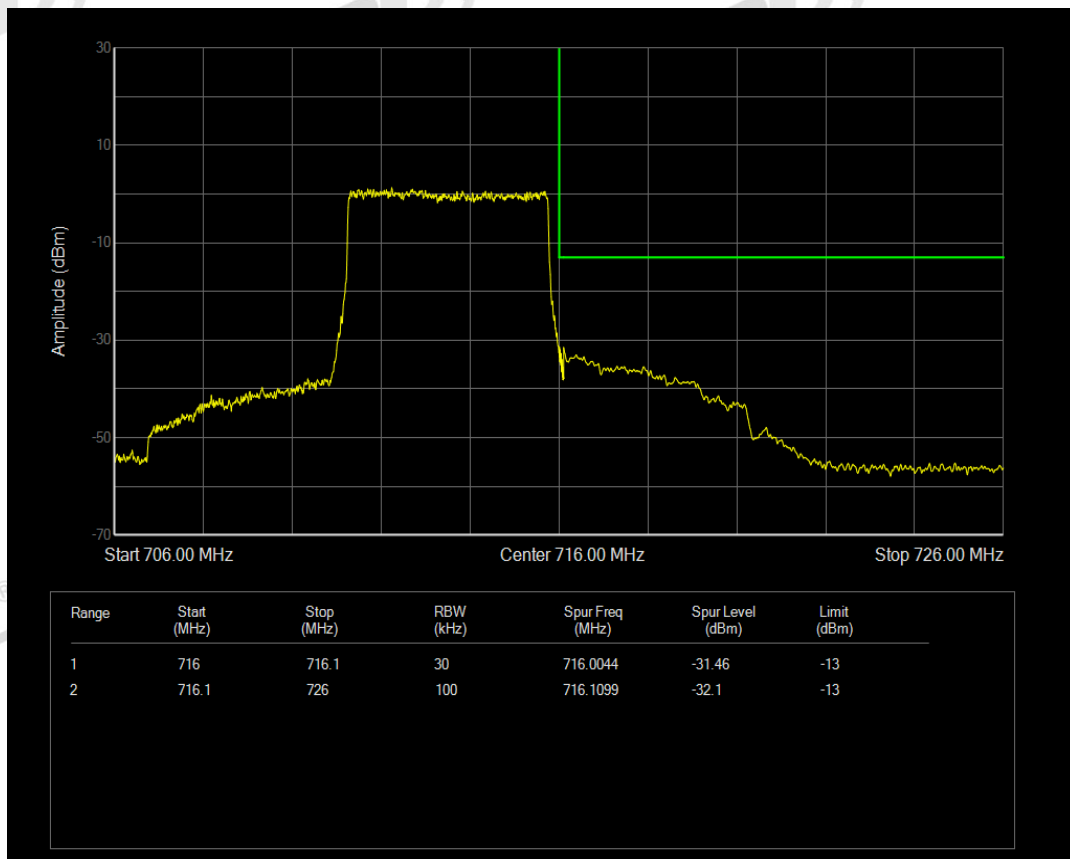
Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0



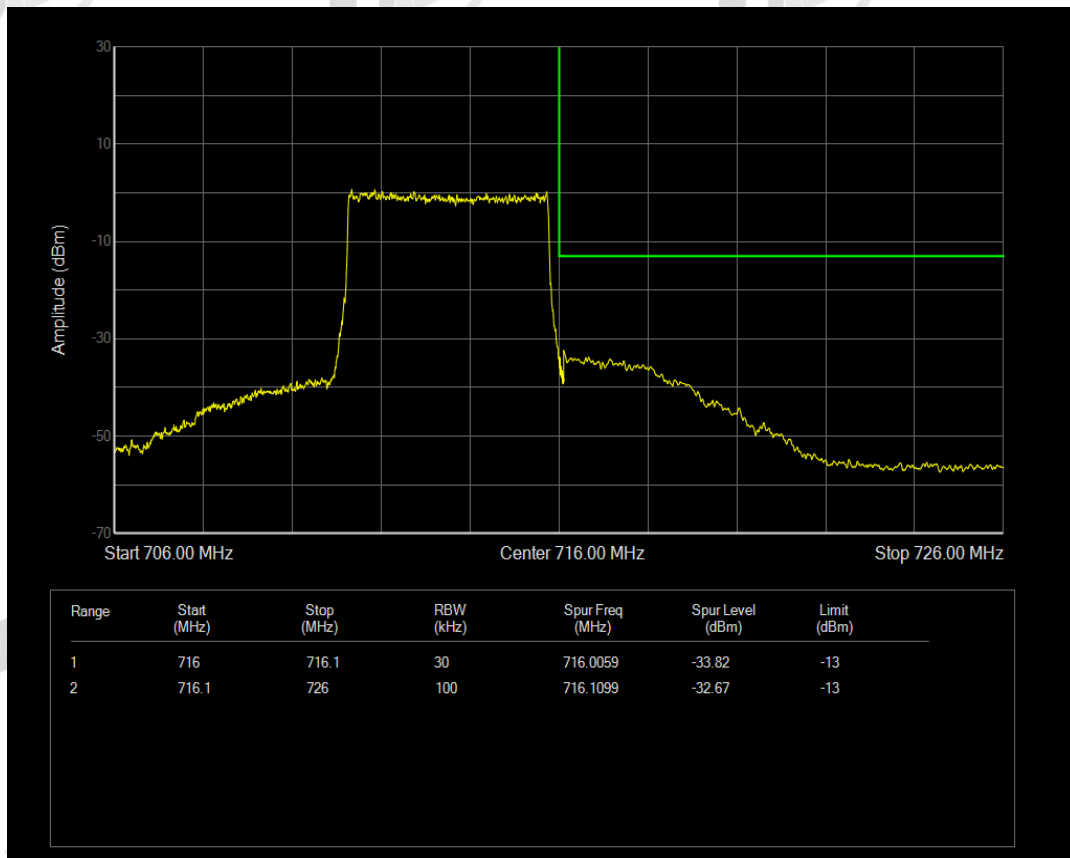
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



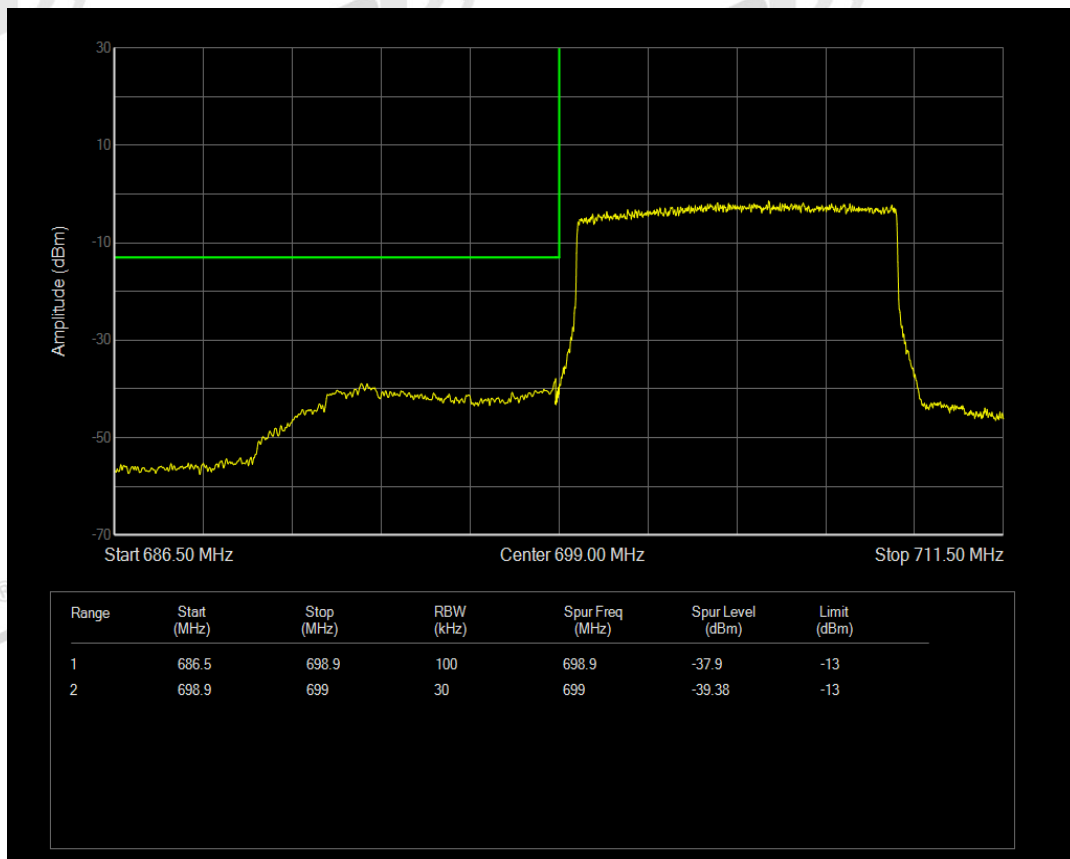
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



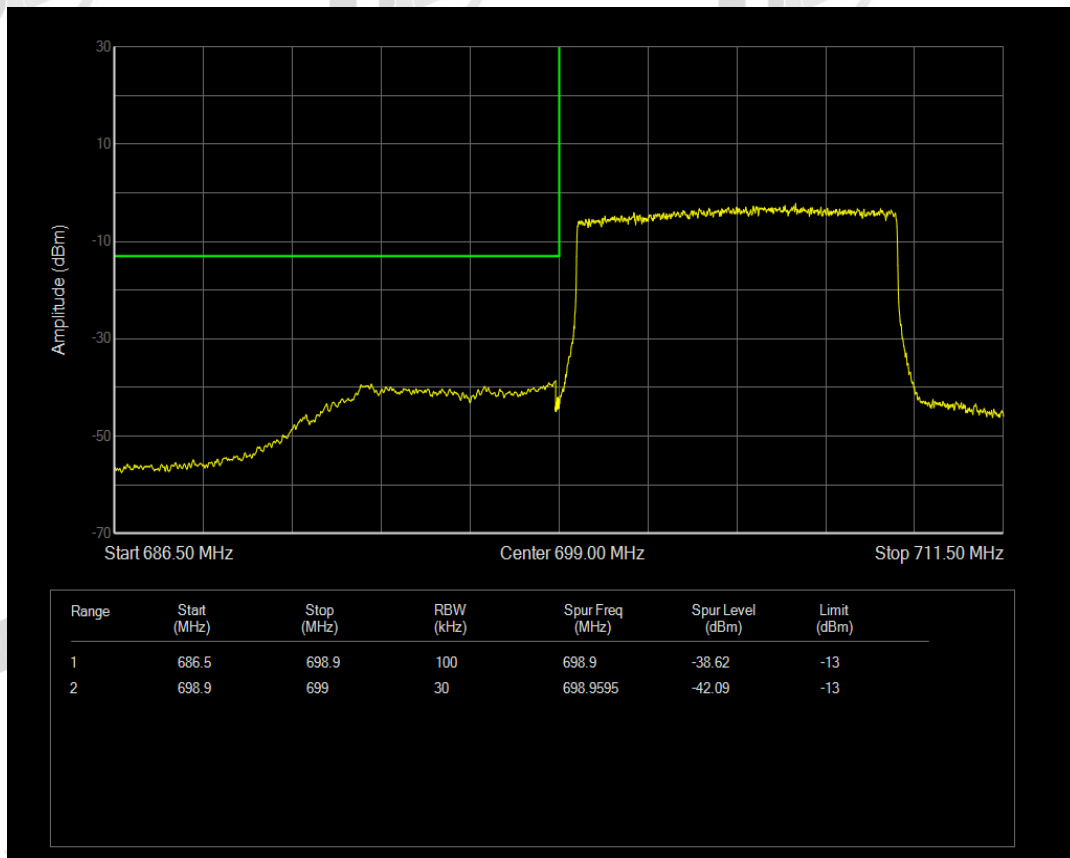
Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0



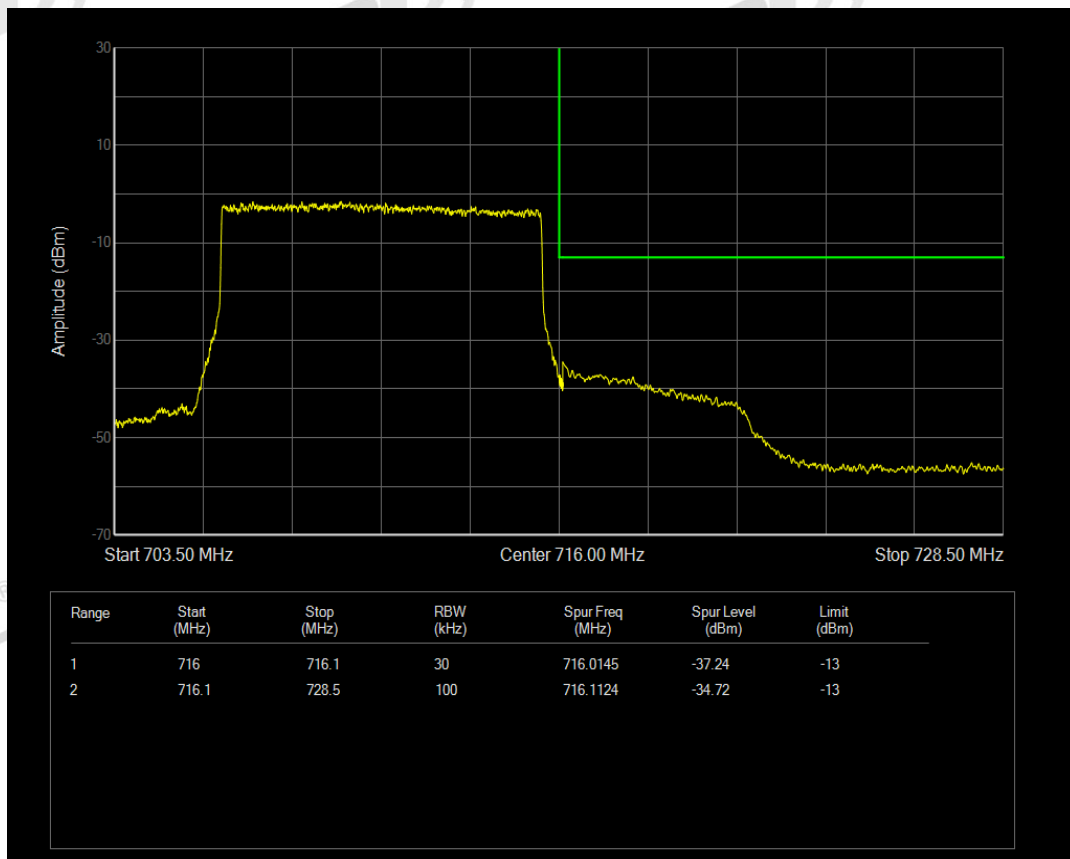
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



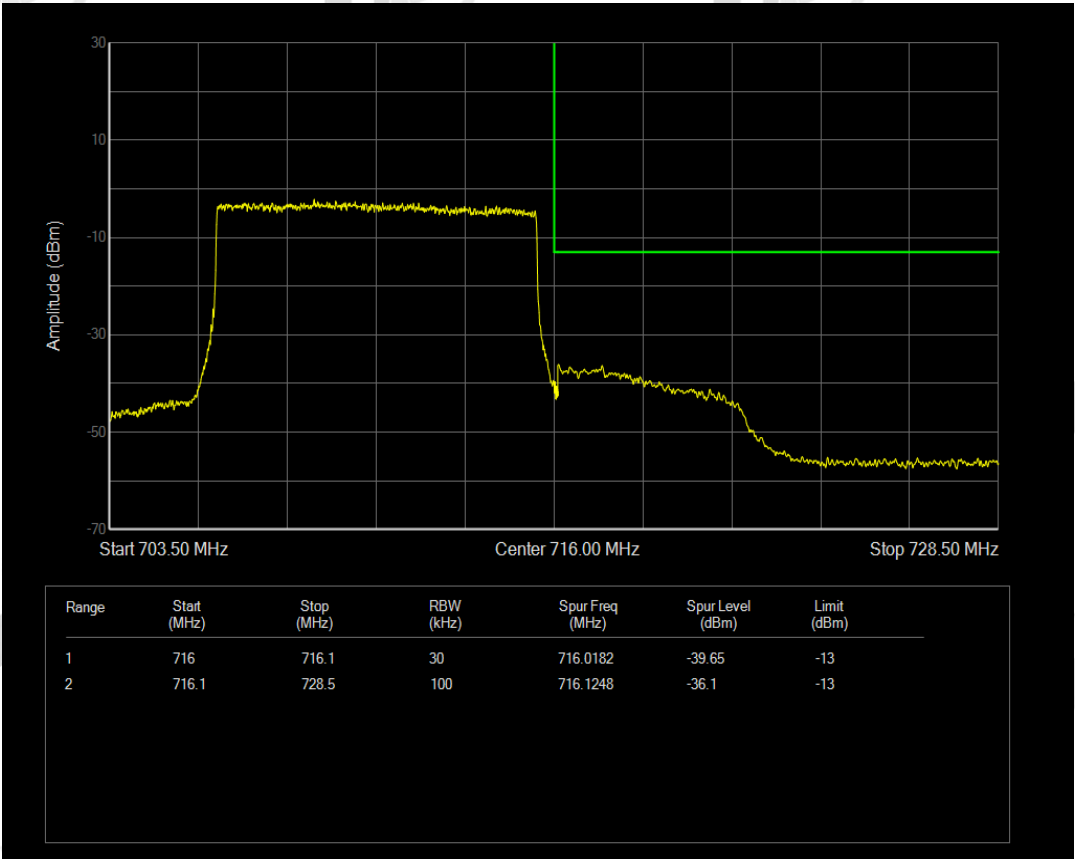
Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0



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



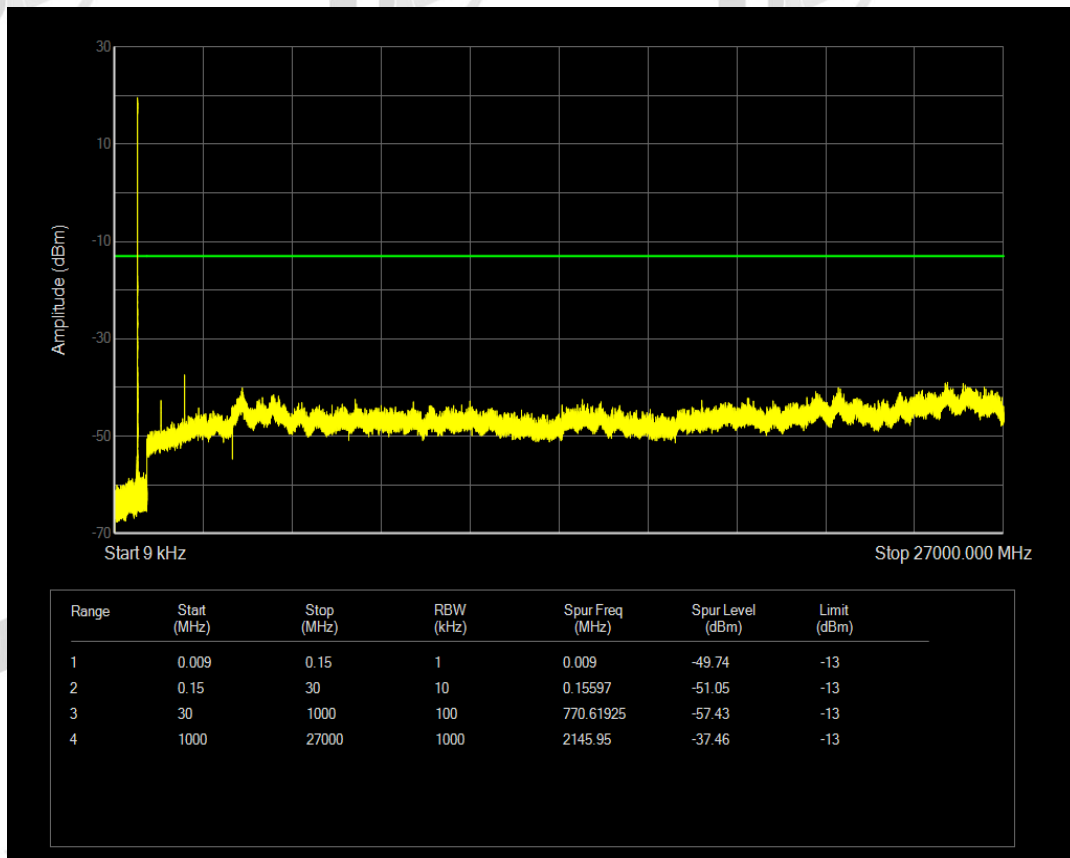
Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0



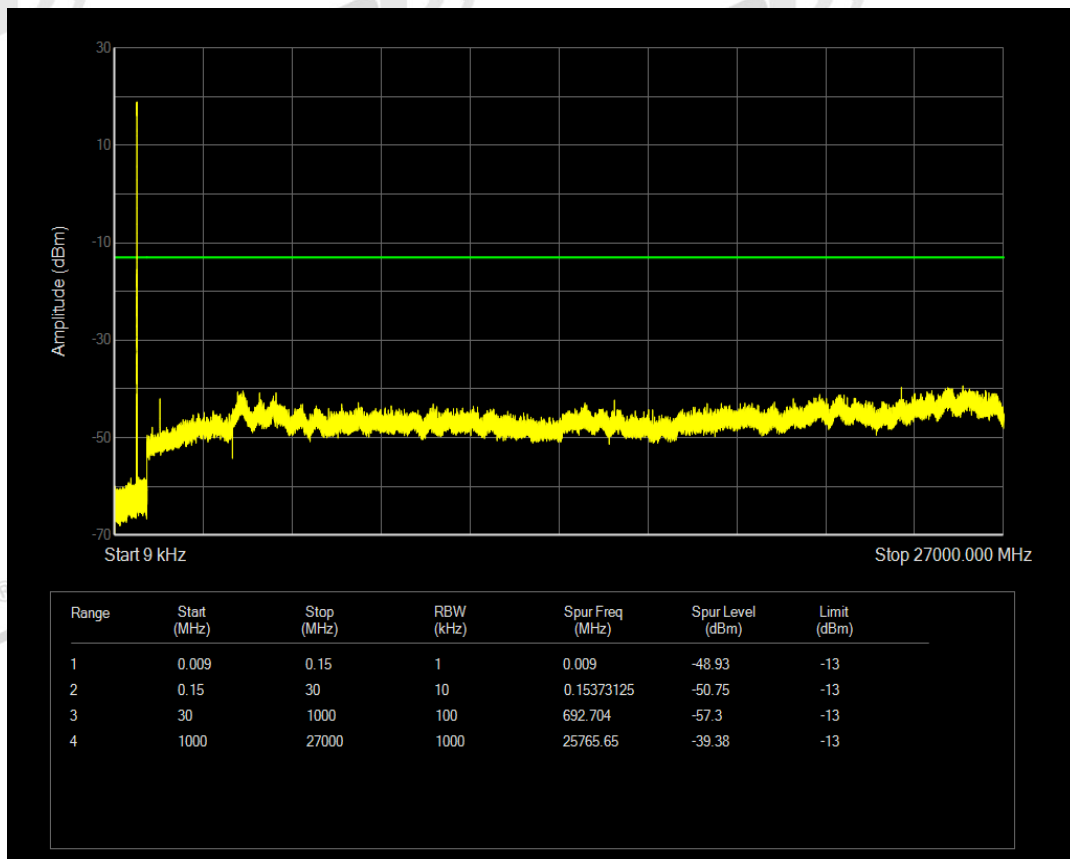
6 Out-of-band emissions

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	2145.95	-37.46	-13	PASS
Band12	1.4	23017	6	#0	QAM16	25765.65	-39.38	-13	PASS
Band12	1.4	23173	6	#0	QPSK	25323.00	-38.91	-13	PASS
Band12	1.4	23173	6	#0	QAM16	2145.95	-37.46	-13	PASS
Band12	3	23025	15	#0	QPSK	25995.75	-38.72	-13	PASS
Band12	3	23025	15	#0	QAM16	25148.80	-39.02	-13	PASS
Band12	3	23165	15	#0	QPSK	25841.70	-38.55	-13	PASS
Band12	3	23165	15	#0	QAM16	25909.95	-38.16	-13	PASS
Band12	5	23035	25	#0	QPSK	25323.00	-38.44	-13	PASS
Band12	5	23035	25	#0	QAM16	25922.95	-38.94	-13	PASS
Band12	5	23155	25	#0	QPSK	25278.80	-38.03	-13	PASS
Band12	5	23155	25	#0	QAM16	25818.30	-38.31	-13	PASS
Band12	10	23060	50	#0	QPSK	25290.50	-37.93	-13	PASS
Band12	10	23060	50	#0	QAM16	25979.50	-38.47	-13	PASS
Band12	10	23130	50	#0	QPSK	25833.25	-38.48	-13	PASS
Band12	10	23130	50	#0	QAM16	25265.15	-38.44	-13	PASS

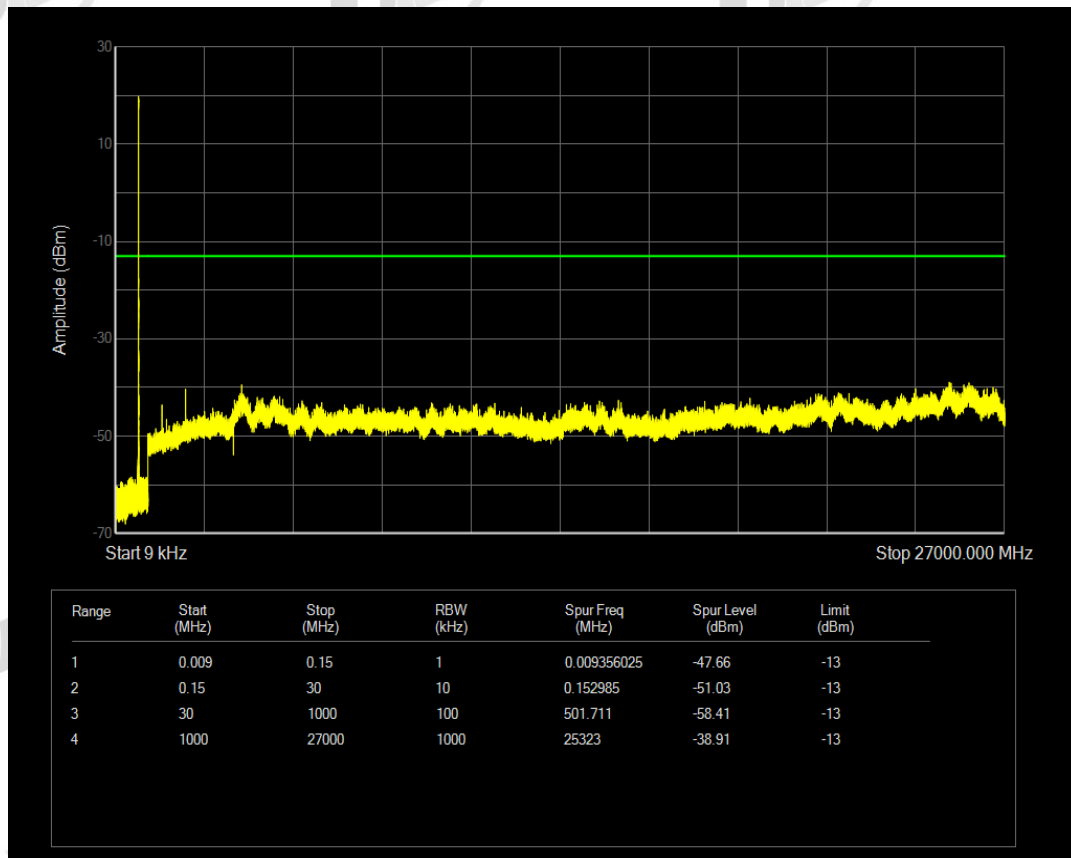
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



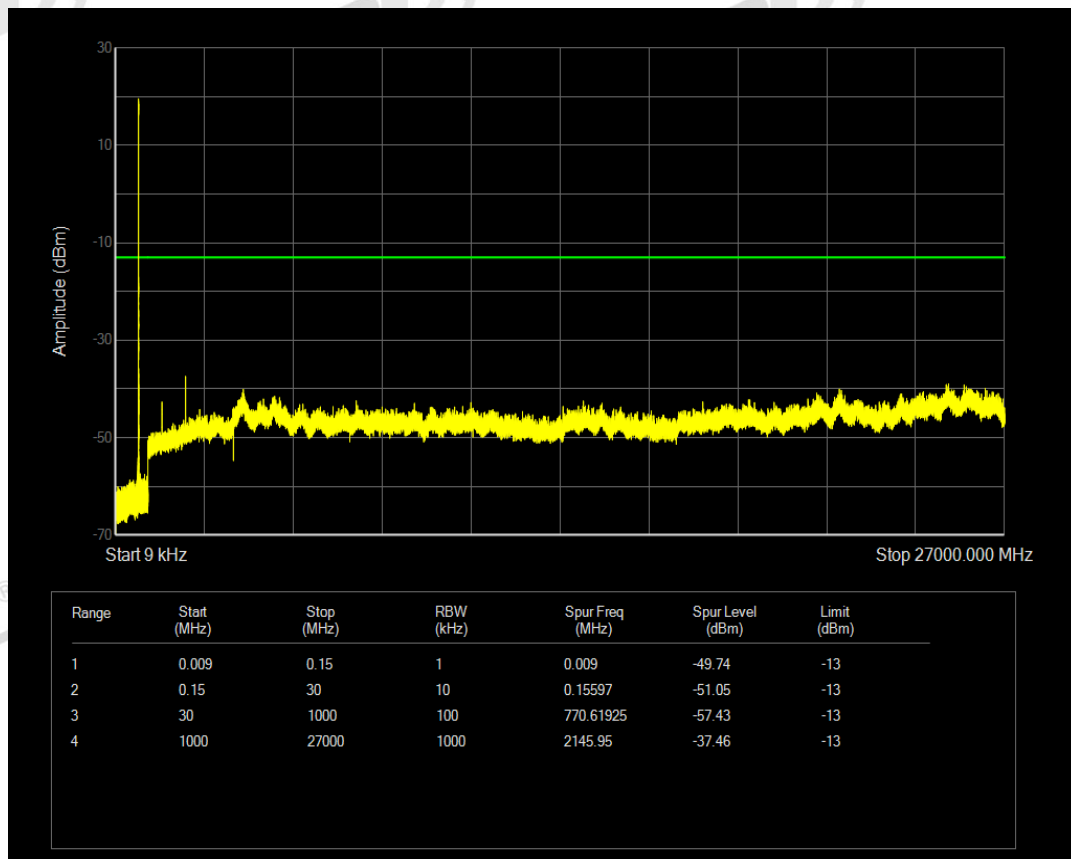
Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0



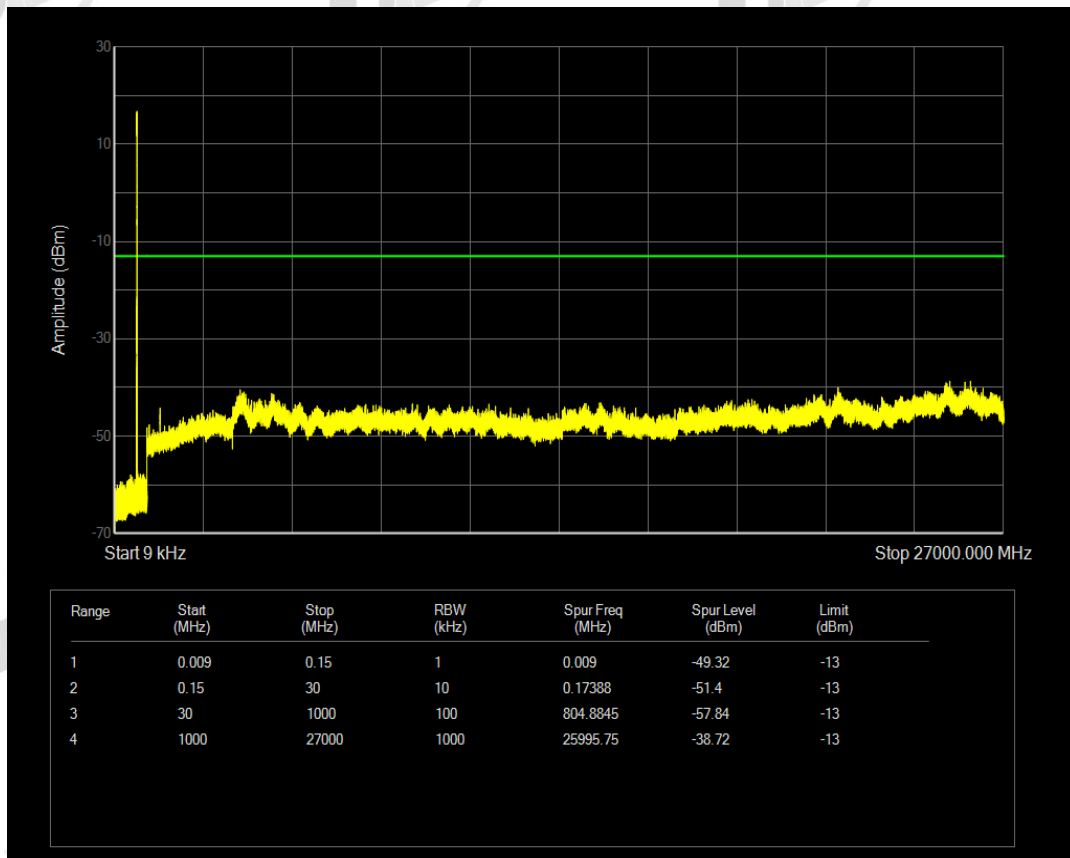
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



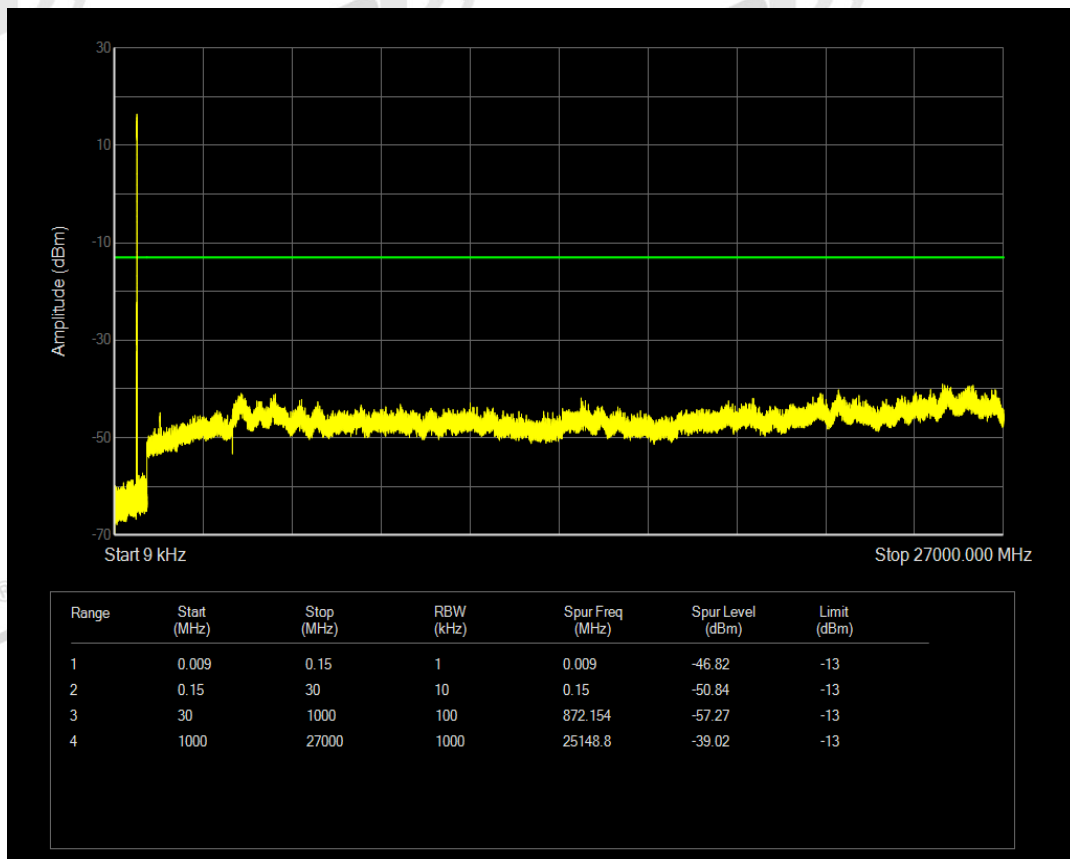
Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0



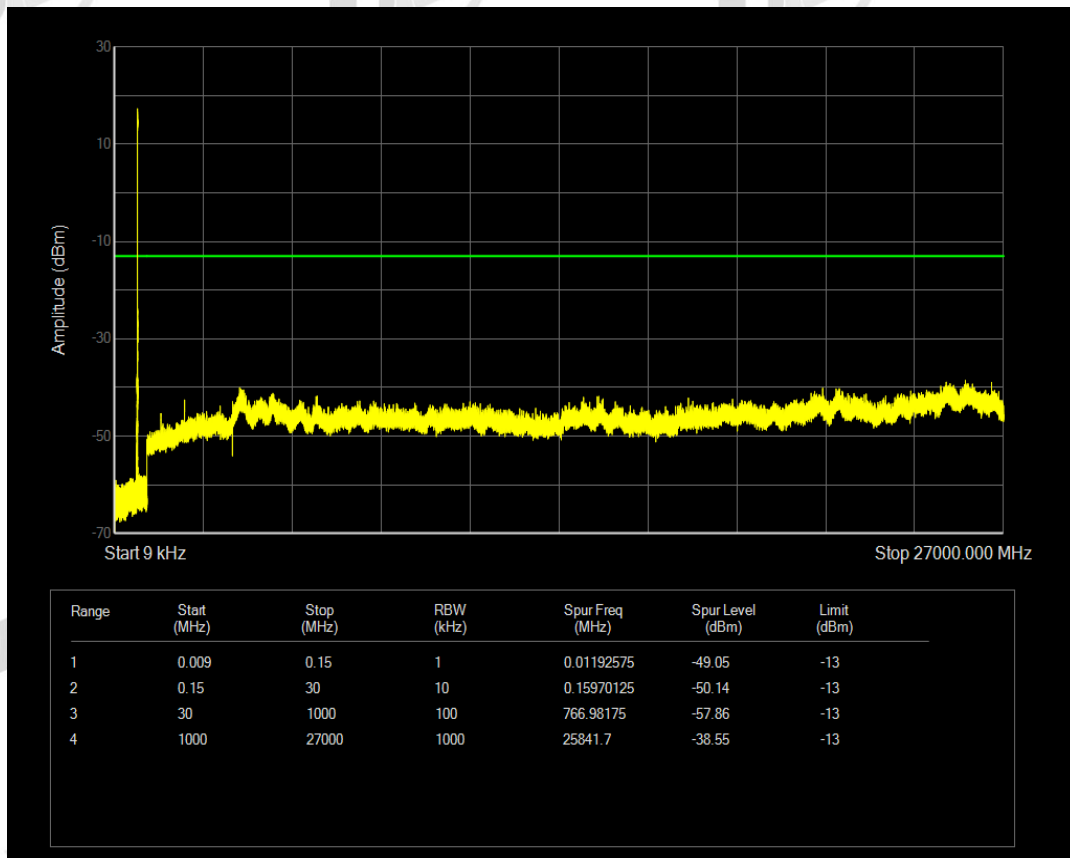
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



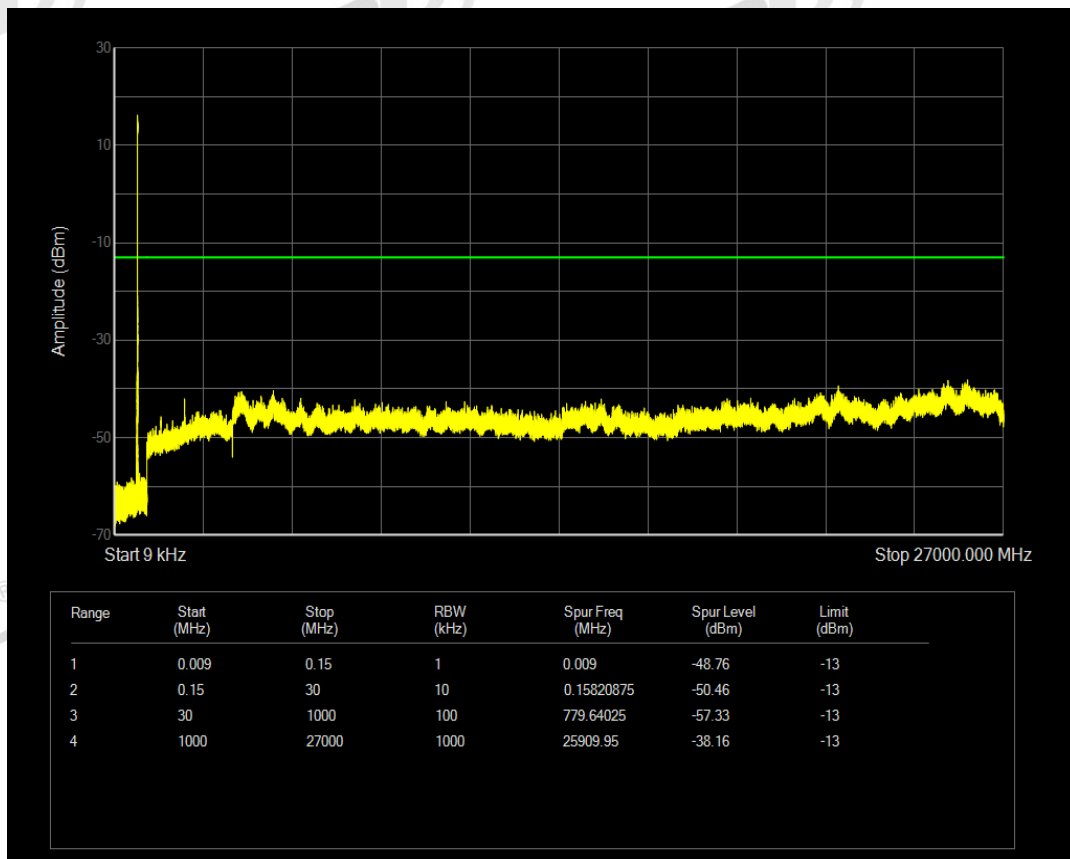
Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0



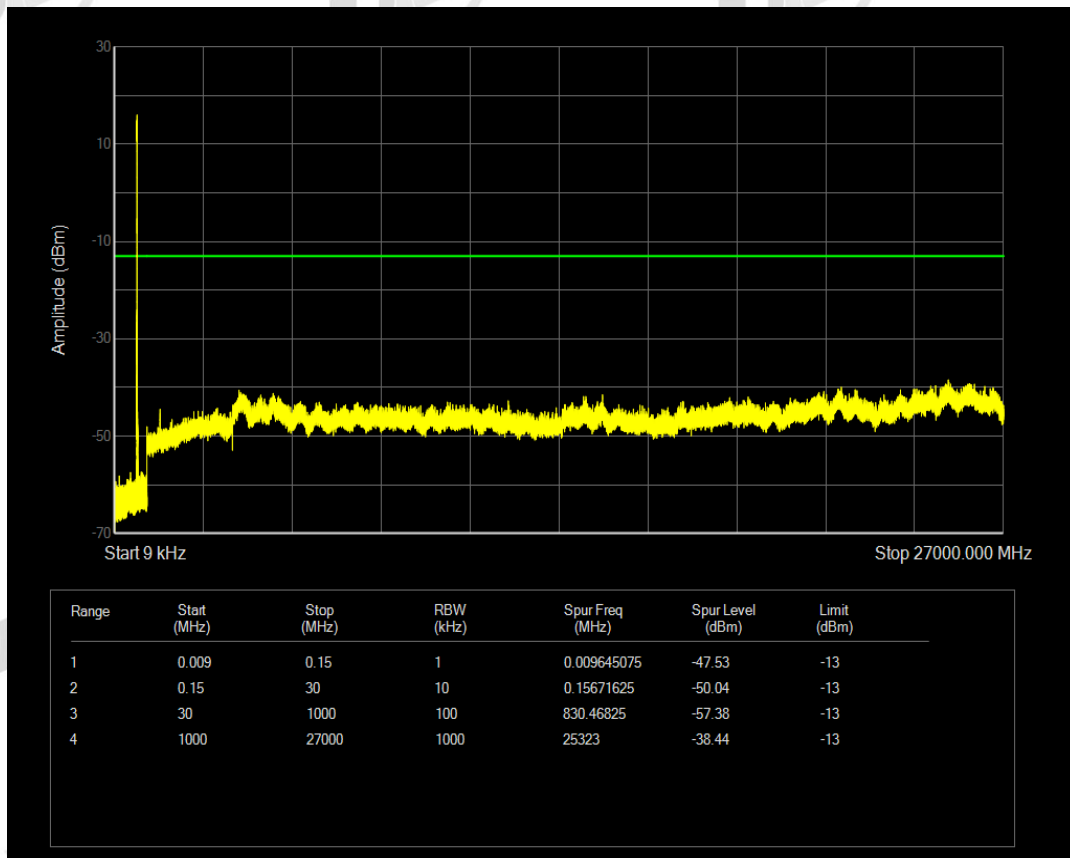
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



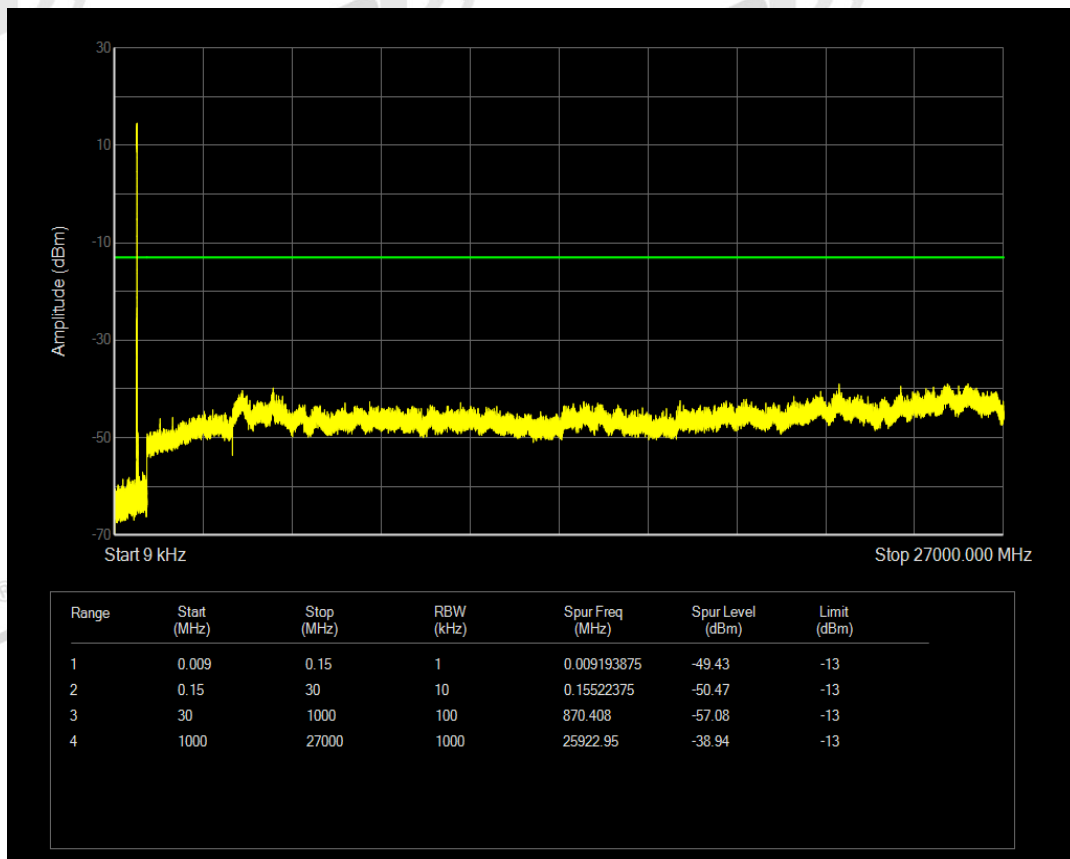
Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0



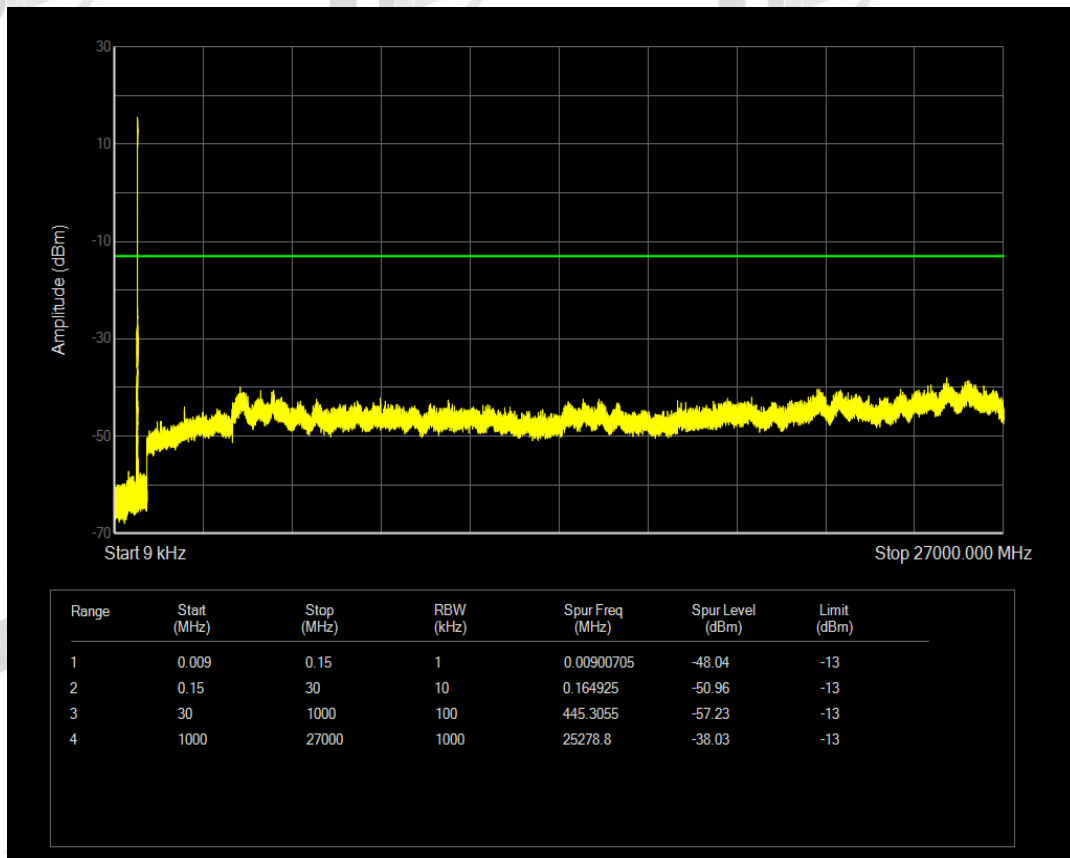
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



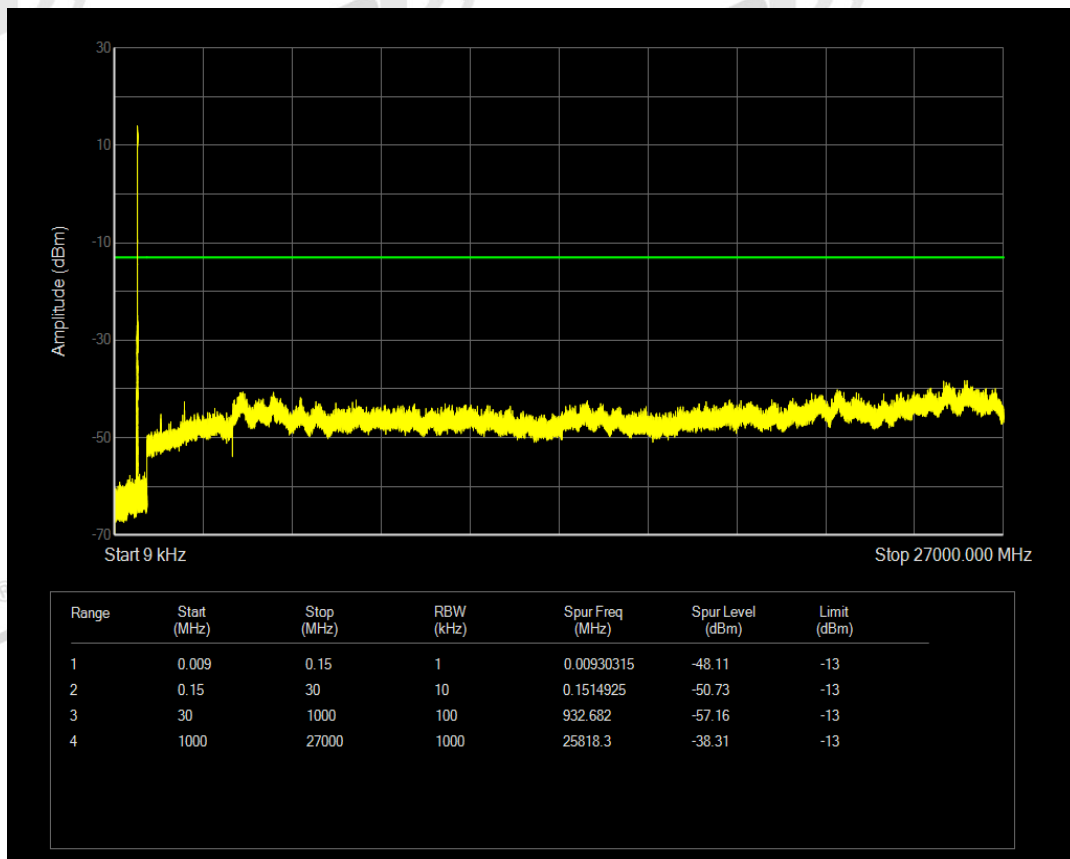
Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0



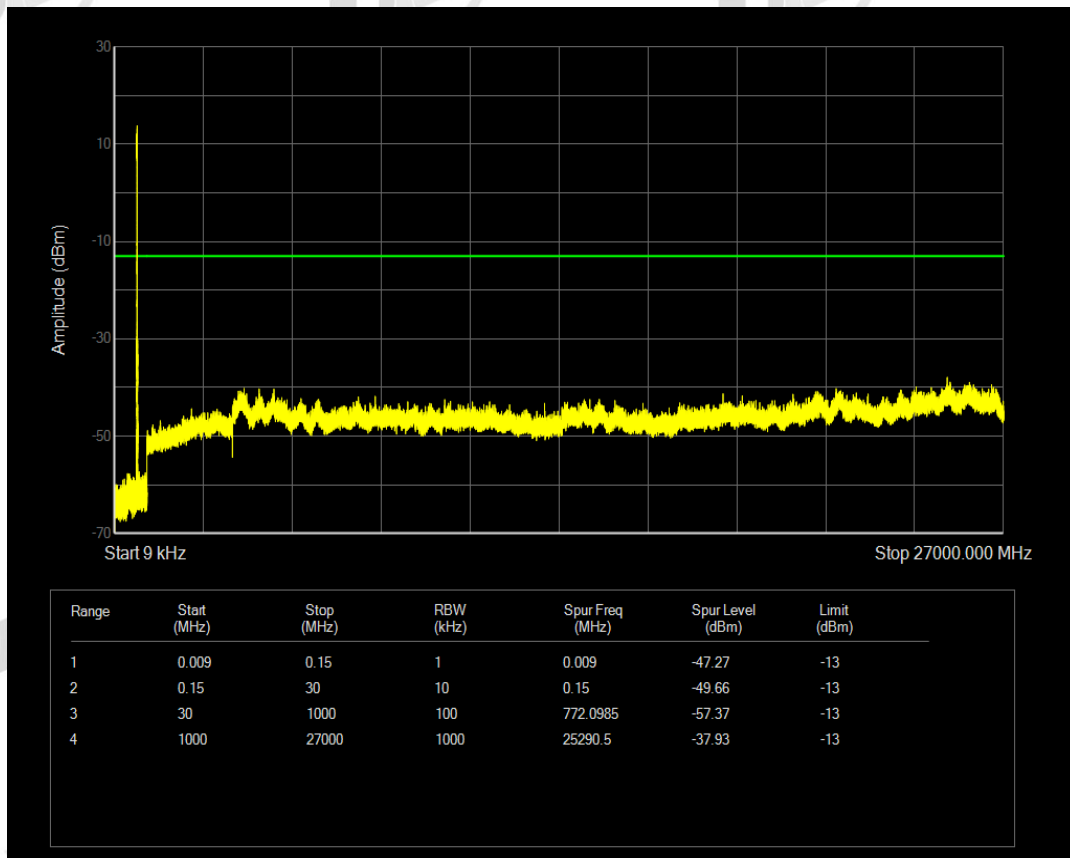
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



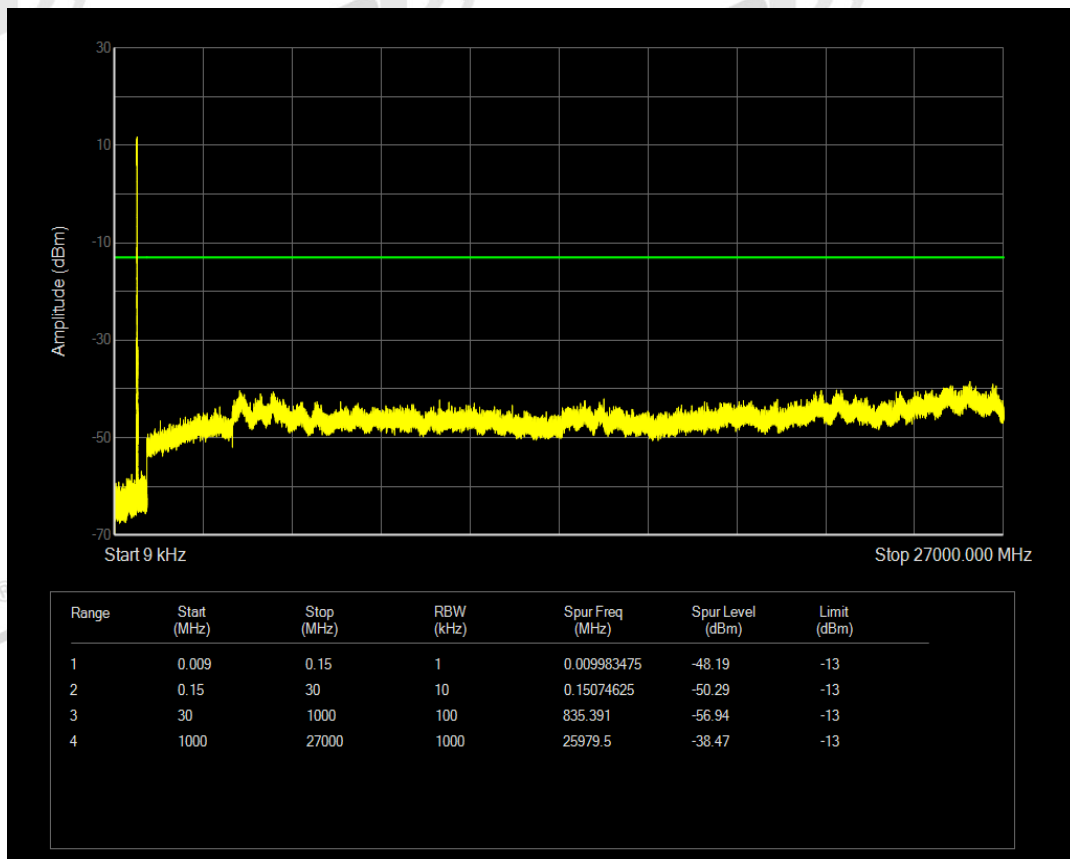
Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0



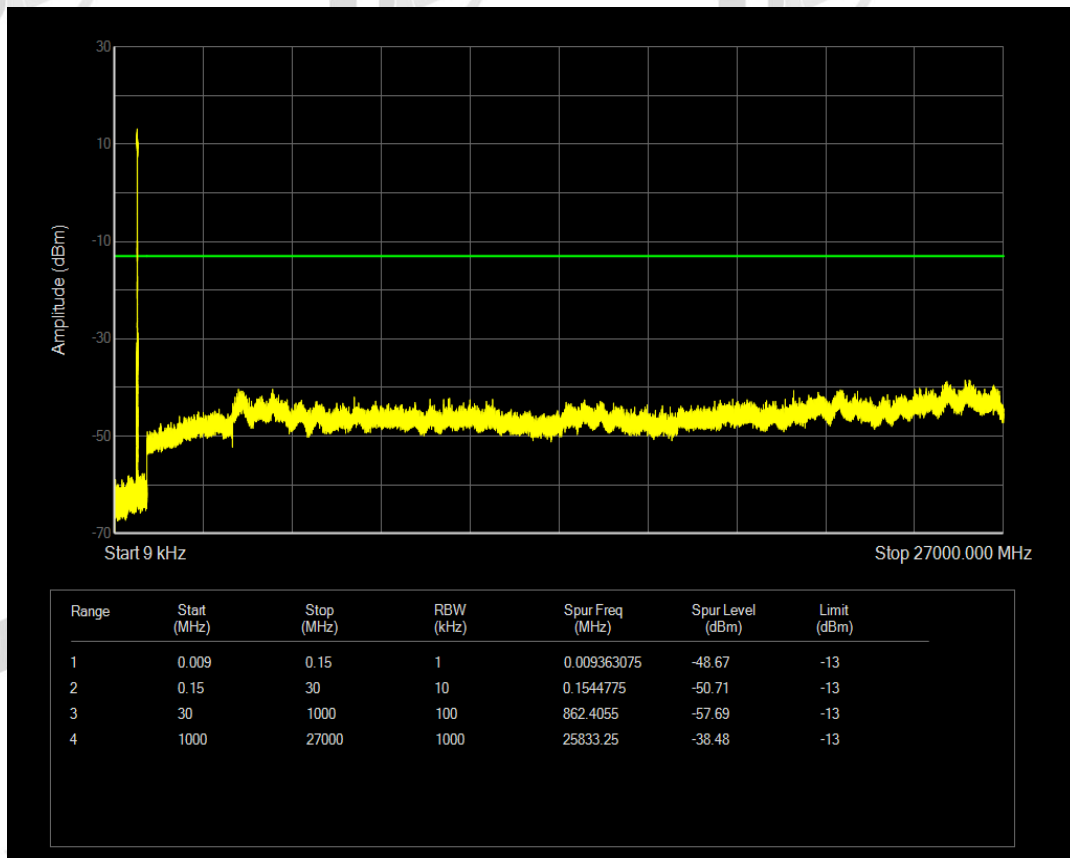
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



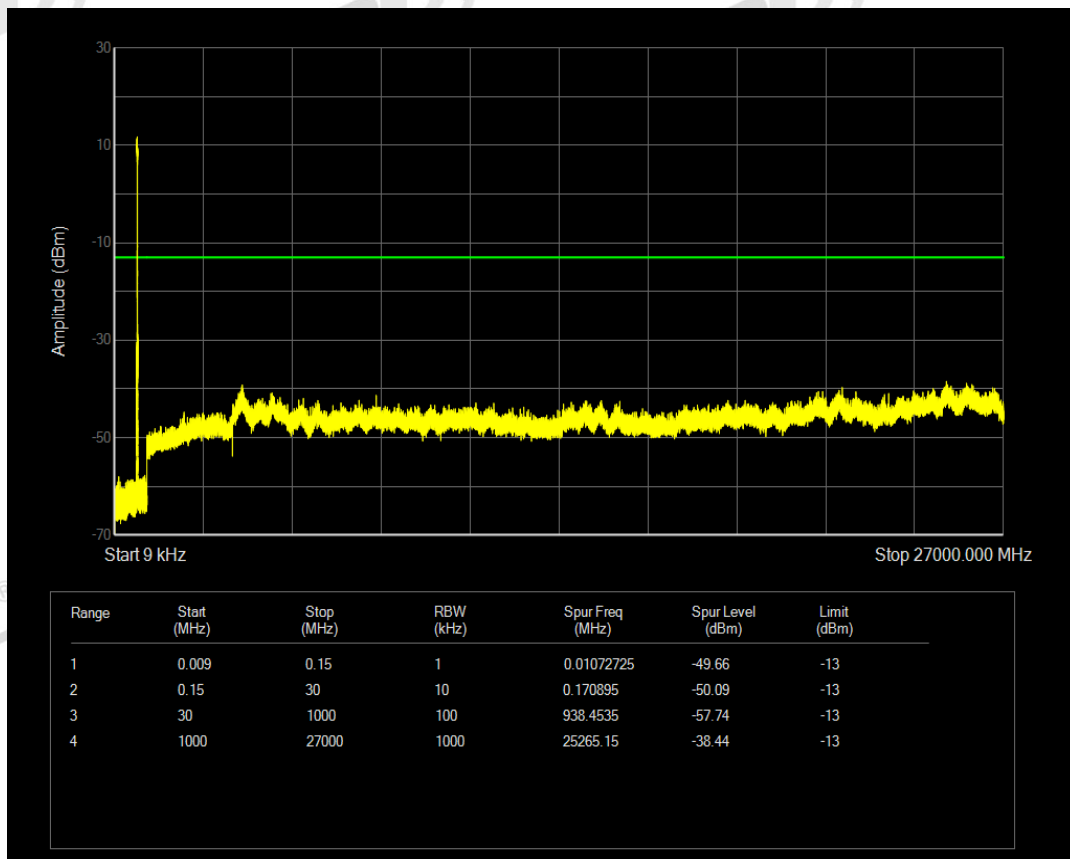
Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0



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

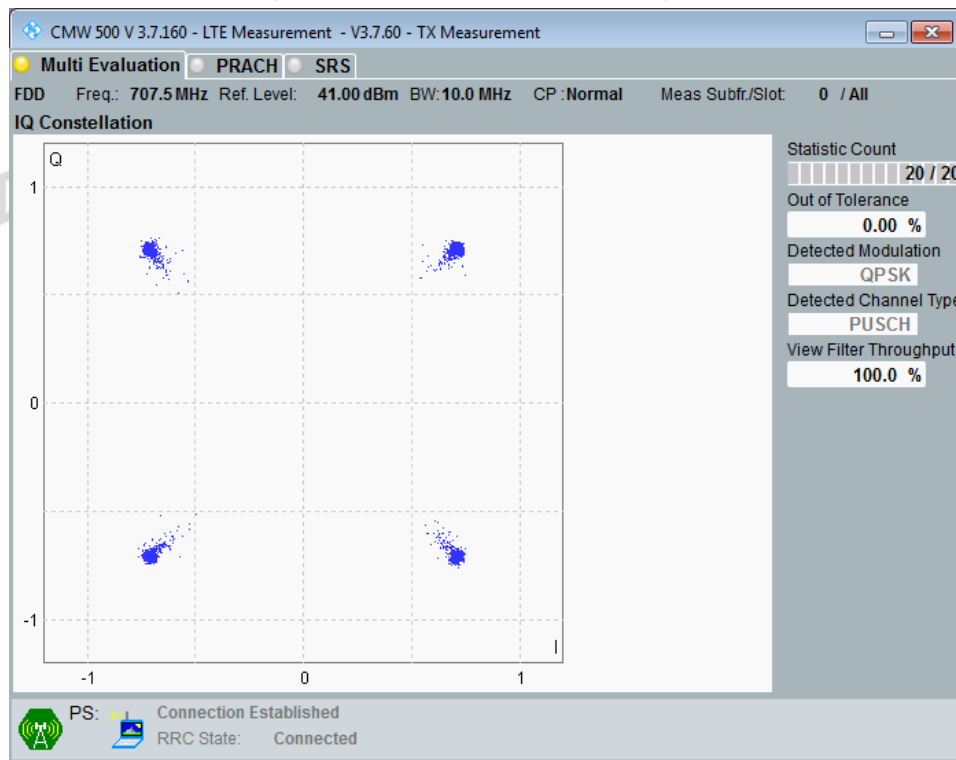


Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0

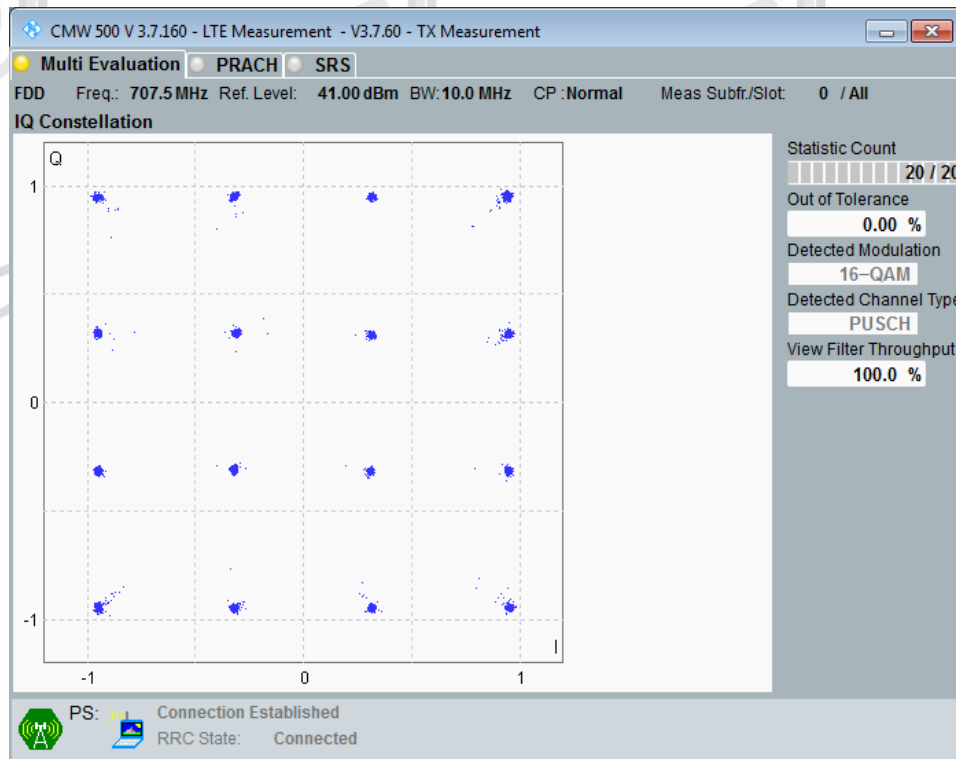


7 Modulation Characteristics

7.1 LTE/TM1 10MHz

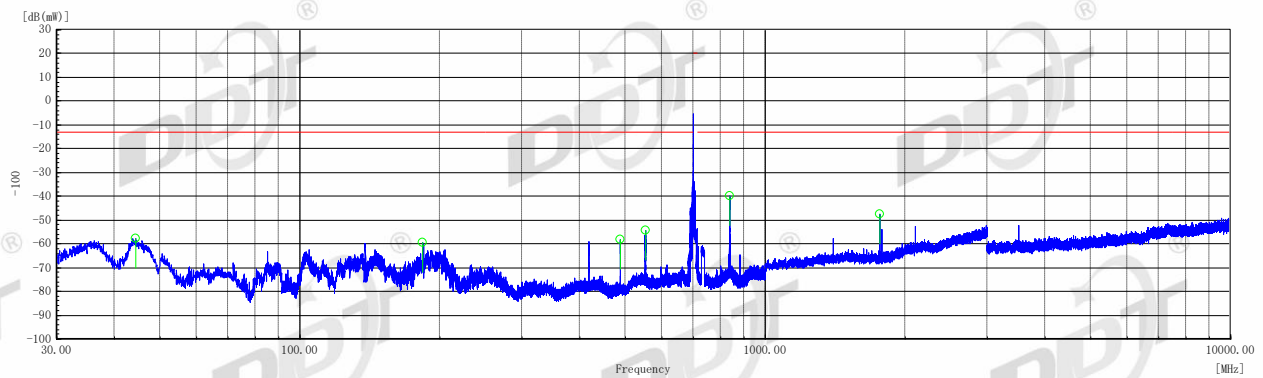


7.1 LTE/TM2 10MHz



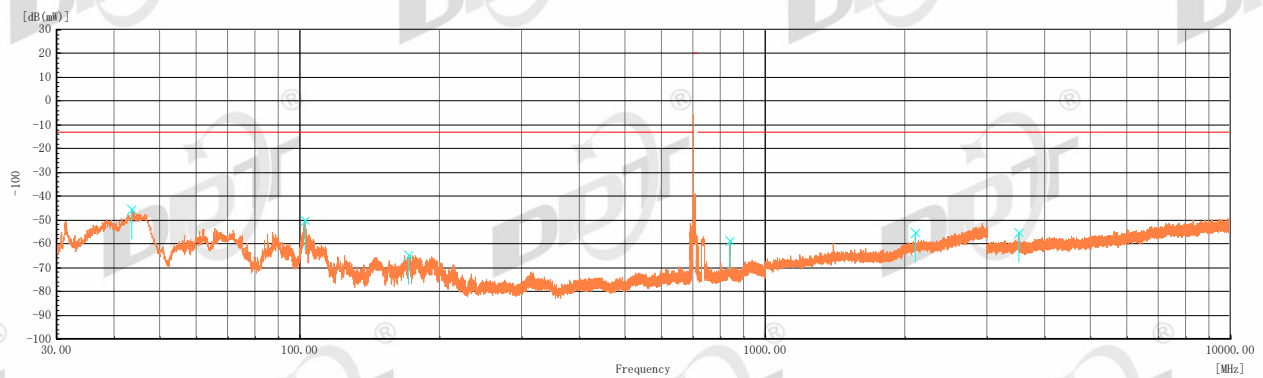
8. Radiated Power and Radiated Spurious Emissions

Test Mode1: LTE Band12 L-channel (horizontal)



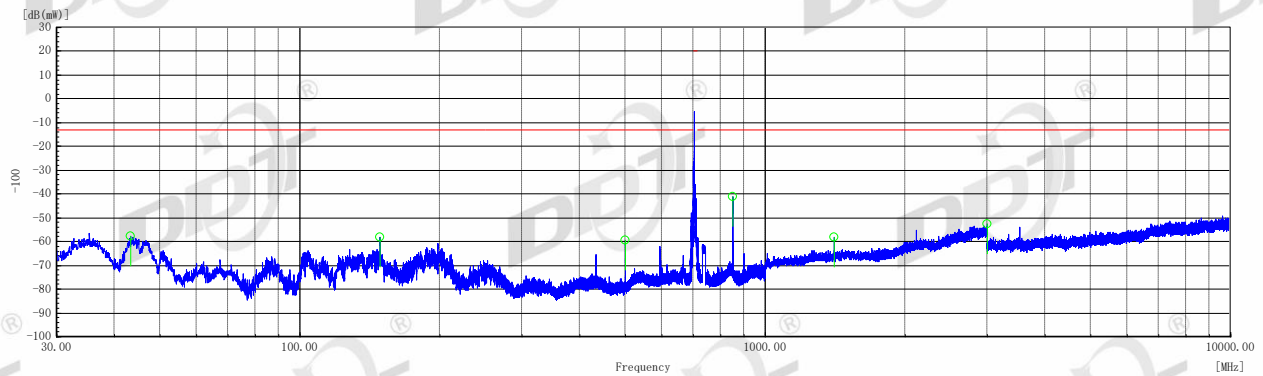
Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
44.3	H	37.3	-58	-13	45	142	135.2
183.95	H	35.9	-59.4	-13	46.4	145	270.2
552.3	H	40.7	-54.6	-13	41.6	151	270.2
487.9	H	36.9	-58.4	-13	45.4	155	270.2
837.836	H	55.4	-39.9	-13	26.9	160	0.2
1760.8	H	47.5	-47.8	-13	34.8	164	0.2

Test Mode1: LTE Band12 L-channel (vertical)



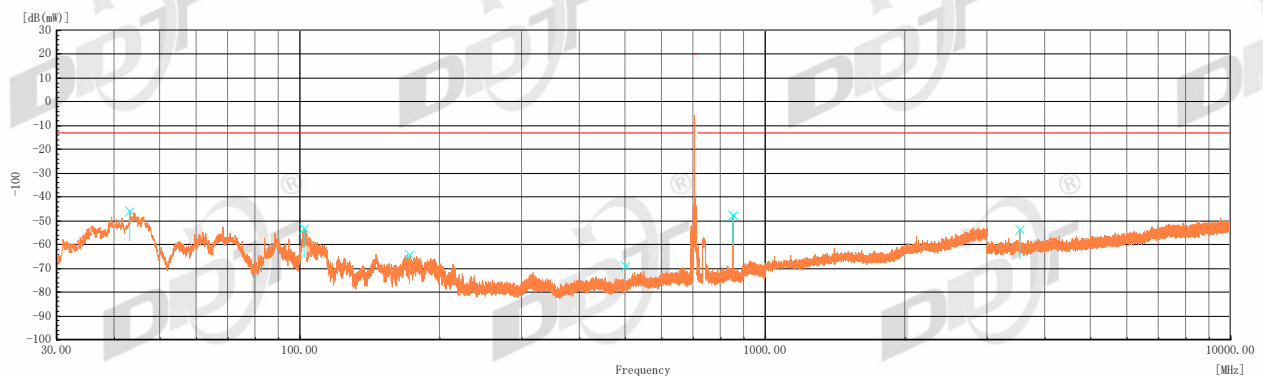
Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
43.45	V	49.7	-45.6	-13	32.6	113	89.4
102.4	V	45.2	-50.1	-13	37.1	125	134
837.666	V	36.5	-58.8	-13	45.8	130	269.5
170.75	V	30.6	-64.7	-13	51.7	142	44.8
2098.8	V	40.1	-55.2	-13	42.2	145	179.9
3498	V	40.1	-55.2	-13	42.2	151	224.9

Test Mode1: LTE Band12 M-channel (horizontal)



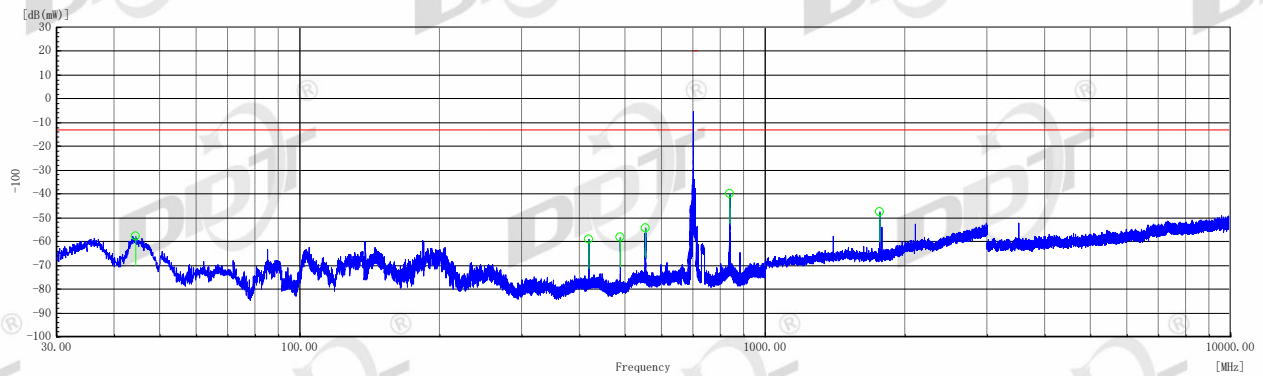
Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
43.25	H	37.5	-57.8	-13	44.8	102	135.2
148.6	H	37.1	-58.2	-13	45.2	105	270.6
500.15	H	35.6	-59.7	-13	46.7	113	0
851.695	H	54.1	-41.2	-13	28.2	128	315.6
1406	H	37.2	-58.1	-13	45.1	134	315.6
2998	H	42.5	-52.8	-13	39.8	140	270.6

Test Mode1: LTE Band12 M-channel (vertical)



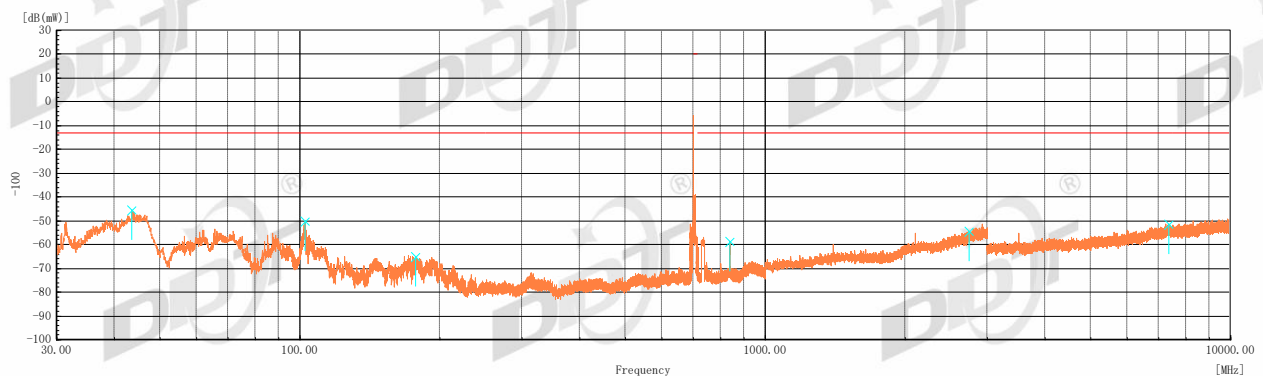
Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
43.15	V	49.3	-46	-13	33	134	44.9
102	V	42.1	-53.2	-13	40.2	140	89.4
172.25	V	31.2	-64.1	-13	51.1	158	44.9
500.2	V	26.4	-68.9	-13	55.9	160	269.8
851.695	V	47.7	-47.6	-13	34.6	162	269.8
3515.2	V	41.5	-53.8	-13	40.8	170	44.9

Test Mode1: LTE Band12 H-channel (horizontal)



Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
44.3	H	37.3	-58	-13	45	113	135.2
552.3	H	40.7	-54.6	-13	41.6	128	270.2
487.9	H	36.9	-58.4	-13	45.4	134	270.2
837.836	H	55.4	-39.9	-13	26.9	140	0.2
1760.8	H	47.5	-47.8	-13	34.8	158	0.2
417.3	H	36.3	-59	-13	46	160	270.2

Test Mode1: LTE Band12 H-channel (vertical)



Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
43.45	V	49.7	-45.6	-13	32.6	113	89.4
102.4	V	45.2	-50.1	-13	37.1	119	134
837.666	V	36.5	-58.8	-13	45.8	121	269.5
2738.8	V	40.8	-54.5	-13	41.5	125	179.9
7353.501	V	43.8	-51.5	-13	38.5	130	179.9
177.35	V	30.2	-65.1	-13	52.1	145	44.8