

Appendix for Band 41

Report No.: BCTC2410177766-3E

Applicant: GEM ONE NV

Product Name: Onyx V4

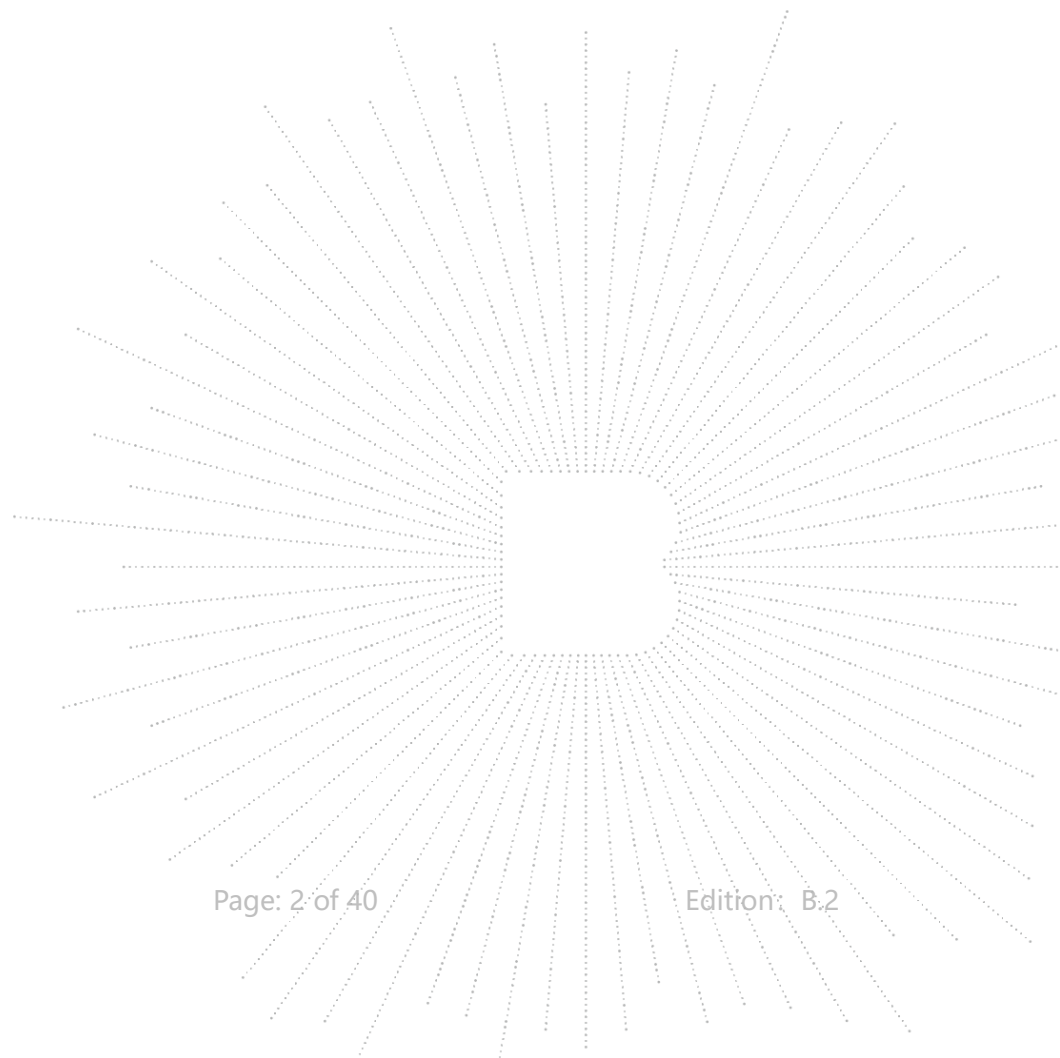
Test Model: Onyx V4

Tested Date: 2024-10-28 to 2024-11-11

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)	EIRP (dBm)	Verdict
Band41	5	39675	1	#0	QPSK	22.19	2.01	24.20	PASS
Band41	5	39675	1	#Mid	QPSK	22.49	2.01	24.50	PASS
Band41	5	39675	1	#Max	QPSK	22.36	2.01	24.37	PASS
Band41	5	39675	12	#0	QPSK	21.32	2.01	23.33	PASS
Band41	5	39675	12	#Mid	QPSK	21.29	2.01	23.30	PASS
Band41	5	39675	12	#Max	QPSK	21.45	2.01	23.46	PASS
Band41	5	39675	25	#0	QPSK	21.63	2.01	23.64	PASS
Band41	5	39675	1	#0	16QAM	21.88	2.01	23.89	PASS
Band41	5	39675	1	#Mid	16QAM	22.16	2.01	24.17	PASS
Band41	5	39675	1	#Max	16QAM	21.99	2.01	24.00	PASS
Band41	5	39675	12	#0	16QAM	20.21	2.01	22.22	PASS
Band41	5	39675	12	#Mid	16QAM	20.19	2.01	22.20	PASS
Band41	5	39675	12	#Max	16QAM	20.39	2.01	22.40	PASS
Band41	5	39675	25	#0	16QAM	20.58	2.01	22.59	PASS
Band41	5	40620	1	#0	QPSK	23.17	2.01	25.18	PASS
Band41	5	40620	1	#Mid	QPSK	22.89	2.01	24.90	PASS
Band41	5	40620	1	#Max	QPSK	23.20	2.01	25.21	PASS
Band41	5	40620	12	#0	QPSK	22.05	2.01	24.06	PASS
Band41	5	40620	12	#Mid	QPSK	21.99	2.01	24.00	PASS
Band41	5	40620	12	#Max	QPSK	21.99	2.01	24.00	PASS
Band41	5	40620	25	#0	QPSK	21.94	2.01	23.95	PASS
Band41	5	40620	1	#0	16QAM	22.34	2.01	24.35	PASS
Band41	5	40620	1	#Mid	16QAM	22.07	2.01	24.08	PASS
Band41	5	40620	1	#Max	16QAM	22.53	2.01	24.54	PASS
Band41	5	40620	12	#0	16QAM	21.07	2.01	23.08	PASS
Band41	5	40620	12	#Mid	16QAM	21.07	2.01	23.08	PASS
Band41	5	40620	12	#Max	16QAM	21.02	2.01	23.03	PASS
Band41	5	40620	25	#0	16QAM	21.05	2.01	23.06	PASS
Band41	5	41565	1	#0	QPSK	23.57	2.01	25.58	PASS
Band41	5	41565	1	#Mid	QPSK	23.55	2.01	25.56	PASS
Band41	5	41565	1	#Max	QPSK	23.73	2.01	25.74	PASS
Band41	5	41565	12	#0	QPSK	22.72	2.01	24.73	PASS
Band41	5	41565	12	#Mid	QPSK	22.64	2.01	24.65	PASS
Band41	5	41565	12	#Max	QPSK	22.67	2.01	24.68	PASS
Band41	5	41565	25	#0	QPSK	22.73	2.01	24.74	PASS
Band41	5	41565	1	#0	16QAM	22.98	2.01	24.99	PASS

Band41	5	41565	1	#Mid	16QAM	22.91	2.01	24.92	PASS
Band41	5	41565	1	#Max	16QAM	23.12	2.01	25.13	PASS
Band41	5	41565	12	#0	16QAM	21.71	2.01	23.72	PASS
Band41	5	41565	12	#Mid	16QAM	21.65	2.01	23.66	PASS
Band41	5	41565	12	#Max	16QAM	21.65	2.01	23.66	PASS
Band41	5	41565	25	#0	16QAM	21.69	2.01	23.70	PASS
Band41	10	39700	1	#0	QPSK	22.33	2.01	24.34	PASS
Band41	10	39700	1	#Mid	QPSK	22.87	2.01	24.88	PASS
Band41	10	39700	1	#Max	QPSK	22.39	2.01	24.40	PASS
Band41	10	39700	25	#0	QPSK	21.22	2.01	23.23	PASS
Band41	10	39700	25	#Mid	QPSK	21.18	2.01	23.19	PASS
Band41	10	39700	25	#Max	QPSK	21.65	2.01	23.66	PASS
Band41	10	39700	50	#0	QPSK	21.63	2.01	23.64	PASS
Band41	10	40620	1	#0	QPSK	23.19	2.01	25.20	PASS
Band41	10	40620	1	#Mid	QPSK	23.20	2.01	25.21	PASS
Band41	10	40620	1	#Max	QPSK	23.21	2.01	25.22	PASS
Band41	10	40620	25	#0	QPSK	21.94	2.01	23.95	PASS
Band41	10	40620	25	#Mid	QPSK	21.85	2.01	23.86	PASS
Band41	10	40620	25	#Max	QPSK	22.00	2.01	24.01	PASS
Band41	10	40620	50	#0	QPSK	22.04	2.01	24.05	PASS
Band41	10	41540	1	#0	QPSK	23.50	2.01	25.51	PASS
Band41	10	41540	1	#Mid	QPSK	23.77	2.01	25.78	PASS
Band41	10	41540	1	#Max	QPSK	23.49	2.01	25.50	PASS
Band41	10	41540	25	#0	QPSK	22.47	2.01	24.48	PASS
Band41	10	41540	25	#Mid	QPSK	22.37	2.01	24.38	PASS
Band41	10	41540	25	#Max	QPSK	22.75	2.01	24.76	PASS
Band41	10	41540	50	#0	QPSK	22.67	2.01	24.68	PASS
Band41	15	39725	1	#0	QPSK	22.38	2.01	24.39	PASS
Band41	15	39725	1	#Mid	QPSK	22.59	2.01	24.60	PASS
Band41	15	39725	1	#Max	QPSK	22.31	2.01	24.32	PASS
Band41	15	39725	36	#0	QPSK	21.25	2.01	23.26	PASS
Band41	15	39725	36	#Mid	QPSK	21.25	2.01	23.26	PASS
Band41	15	39725	36	#Max	QPSK	21.81	2.01	23.82	PASS
Band41	15	39725	75	#0	QPSK	21.59	2.01	23.60	PASS
Band41	15	40620	1	#0	QPSK	22.96	2.01	24.97	PASS
Band41	15	40620	1	#Mid	QPSK	22.90	2.01	24.91	PASS
Band41	15	40620	1	#Max	QPSK	23.20	2.01	25.21	PASS
Band41	15	40620	36	#0	QPSK	22.22	2.01	24.23	PASS
Band41	15	40620	36	#Mid	QPSK	22.14	2.01	24.15	PASS
Band41	15	40620	36	#Max	QPSK	22.34	2.01	24.35	PASS
Band41	15	40620	75	#0	QPSK	21.97	2.01	23.98	PASS
Band41	15	41515	1	#0	QPSK	23.65	2.01	25.66	PASS
Band41	15	41515	1	#Mid	QPSK	23.46	2.01	25.47	PASS

Band41	15	41515	1	#Max	QPSK	23.39	2.01	25.40	PASS
Band41	15	41515	36	#0	QPSK	22.50	2.01	24.51	PASS
Band41	15	41515	36	#Mid	QPSK	22.42	2.01	24.43	PASS
Band41	15	41515	36	#Max	QPSK	22.72	2.01	24.73	PASS
Band41	15	41515	75	#0	QPSK	22.50	2.01	24.51	PASS
Band41	20	39750	1	#0	QPSK	22.37	2.01	24.38	PASS
Band41	20	39750	1	#Mid	QPSK	22.95	2.01	24.96	PASS
Band41	20	39750	1	#Max	QPSK	22.49	2.01	24.50	PASS
Band41	20	39750	50	#0	QPSK	21.42	2.01	23.43	PASS
Band41	20	39750	50	#Mid	QPSK	21.42	2.01	23.43	PASS
Band41	20	39750	50	#Max	QPSK	22.66	2.01	24.67	PASS
Band41	20	39750	100	#0	QPSK	21.57	2.01	23.58	PASS
Band41	20	40620	1	#0	QPSK	23.10	2.01	25.11	PASS
Band41	20	40620	1	#Mid	QPSK	23.02	2.01	25.03	PASS
Band41	20	40620	1	#Max	QPSK	23.10	2.01	25.11	PASS
Band41	20	40620	50	#0	QPSK	21.88	2.01	23.89	PASS
Band41	20	40620	50	#Mid	QPSK	21.78	2.01	23.79	PASS
Band41	20	40620	50	#Max	QPSK	22.26	2.01	24.27	PASS
Band41	20	40620	100	#0	QPSK	21.70	2.01	23.71	PASS
Band41	20	41490	1	#0	QPSK	23.69	2.01	25.70	PASS
Band41	20	41490	1	#Mid	QPSK	23.66	2.01	25.67	PASS
Band41	20	41490	1	#Max	QPSK	23.38	2.01	25.39	PASS
Band41	20	41490	50	#0	QPSK	22.52	2.01	24.53	PASS
Band41	20	41490	50	#Mid	QPSK	22.40	2.01	24.41	PASS
Band41	20	41490	50	#Max	QPSK	23.08	2.01	25.09	PASS
Band41	20	41490	100	#0	QPSK	22.45	2.01	24.46	PASS

Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band41	5	39675	25	#0	QPSK	LV	NT	-9.56	-0.004	PASS
Band41	5	39675	25	#0	QPSK	NV	NT	-8.57	-0.003	PASS
Band41	5	39675	25	#0	QPSK	HV	NT	-7.48	-0.003	PASS
Band41	5	39675	25	#0	16QAM	LV	NT	-10.87	-0.004	PASS
Band41	5	39675	25	#0	16QAM	NV	NT	-5.51	-0.002	PASS
Band41	5	39675	25	#0	16QAM	HV	NT	-3.29	-0.001	PASS
Band41	5	40620	25	#0	QPSK	LV	NT	1.00	0.000	PASS
Band41	5	40620	25	#0	QPSK	NV	NT	-9.93	-0.004	PASS
Band41	5	40620	25	#0	QPSK	HV	NT	-8.37	-0.003	PASS
Band41	5	40620	25	#0	16QAM	LV	NT	-10.91	-0.004	PASS
Band41	5	40620	25	#0	16QAM	NV	NT	-7.32	-0.003	PASS
Band41	5	40620	25	#0	16QAM	HV	NT	-7.78	-0.003	PASS
Band41	5	41565	25	#0	QPSK	LV	NT	-3.12	-0.001	PASS
Band41	5	41565	25	#0	QPSK	NV	NT	-6.65	-0.002	PASS
Band41	5	41565	25	#0	QPSK	HV	NT	-6.78	-0.003	PASS
Band41	5	41565	25	#0	16QAM	LV	NT	-7.35	-0.003	PASS
Band41	5	41565	25	#0	16QAM	NV	NT	-5.81	-0.002	PASS
Band41	5	41565	25	#0	16QAM	HV	NT	-3.75	-0.001	PASS
Band41	10	39700	50	#0	QPSK	LV	NT	-8.24	-0.003	PASS
Band41	10	39700	50	#0	QPSK	NV	NT	-6.09	-0.002	PASS
Band41	10	39700	50	#0	QPSK	HV	NT	-4.33	-0.002	PASS
Band41	10	40620	50	#0	QPSK	LV	NT	2.07	0.001	PASS
Band41	10	40620	50	#0	QPSK	NV	NT	-8.20	-0.003	PASS
Band41	10	40620	50	#0	QPSK	HV	NT	-8.77	-0.003	PASS
Band41	10	41540	50	#0	QPSK	LV	NT	-11.53	-0.004	PASS
Band41	10	41540	50	#0	QPSK	NV	NT	-11.17	-0.004	PASS
Band41	10	41540	50	#0	QPSK	HV	NT	-10.56	-0.004	PASS
Band41	15	39725	75	#0	QPSK	LV	NT	-13.02	-0.005	PASS
Band41	15	39725	75	#0	QPSK	NV	NT	-5.14	-0.002	PASS
Band41	15	39725	75	#0	QPSK	HV	NT	-2.59	-0.001	PASS
Band41	15	40620	75	#0	QPSK	LV	NT	-3.75	-0.001	PASS
Band41	15	40620	75	#0	QPSK	NV	NT	-9.83	-0.004	PASS
Band41	15	40620	75	#0	QPSK	HV	NT	-9.48	-0.004	PASS
Band41	15	41515	75	#0	QPSK	LV	NT	-7.82	-0.003	PASS
Band41	15	41515	75	#0	QPSK	NV	NT	-8.64	-0.003	PASS
Band41	15	41515	75	#0	QPSK	HV	NT	-5.82	-0.002	PASS
Band41	20	39750	100	#0	QPSK	LV	NT	-12.77	-0.005	PASS
Band41	20	39750	100	#0	QPSK	NV	NT	-7.24	-0.003	PASS

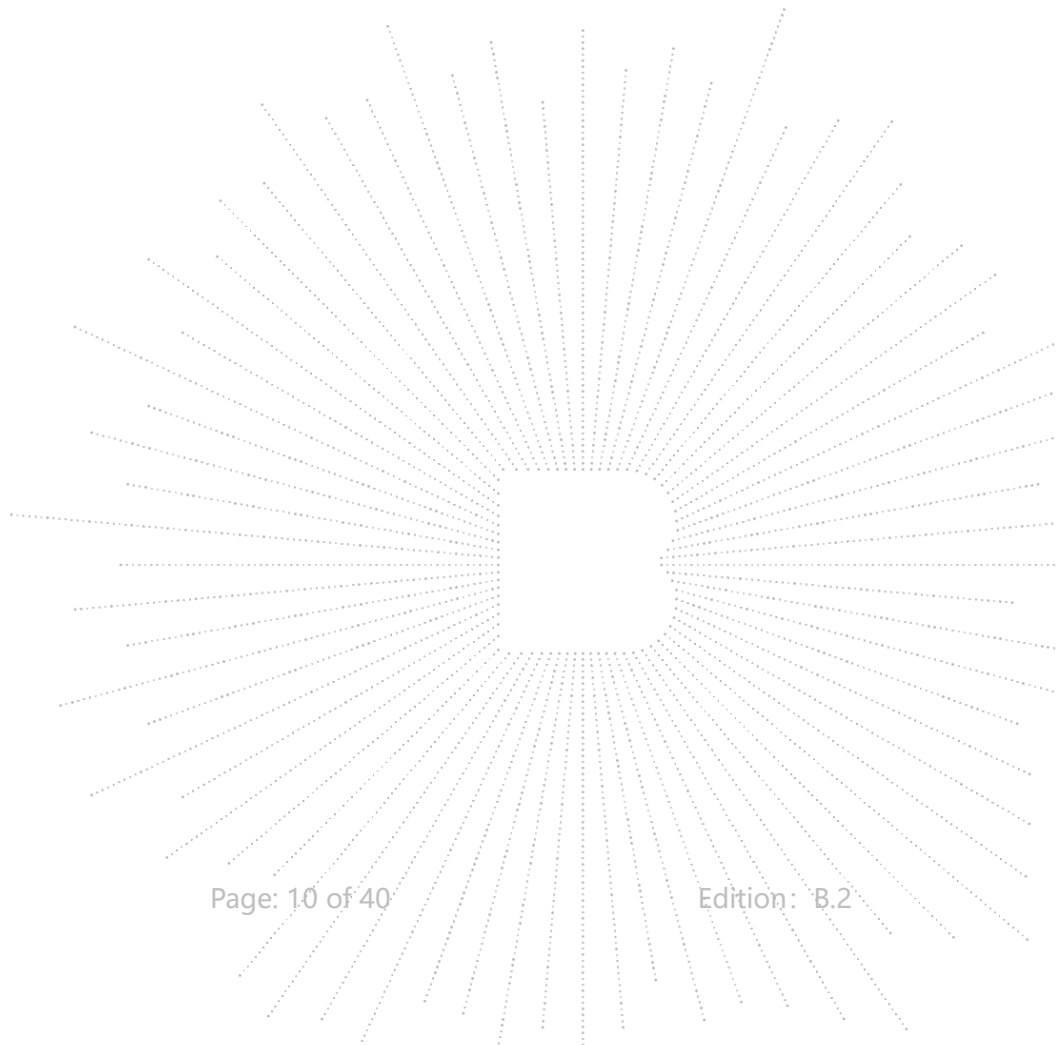
Band41	20	39750	100	#0	QPSK	HV	NT	-2.12	-0.001	PASS
Band41	20	40620	100	#0	QPSK	LV	NT	-5.42	-0.002	PASS
Band41	20	40620	100	#0	QPSK	NV	NT	-7.30	-0.003	PASS
Band41	20	40620	100	#0	QPSK	HV	NT	-7.41	-0.003	PASS
Band41	20	41490	100	#0	QPSK	LV	NT	-6.62	-0.002	PASS
Band41	20	41490	100	#0	QPSK	NV	NT	-5.72	-0.002	PASS
Band41	20	41490	100	#0	QPSK	HV	NT	-9.86	-0.004	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band41	5	39675	25	#0	QPSK	NV	-30	1.39	0.001	PASS
Band41	5	39675	25	#0	QPSK	NV	-20	3.91	0.002	PASS
Band41	5	39675	25	#0	QPSK	NV	-10	6.61	0.003	PASS
Band41	5	39675	25	#0	QPSK	NV	0	4.91	0.002	PASS
Band41	5	39675	25	#0	QPSK	NV	10	2.12	0.001	PASS
Band41	5	39675	25	#0	QPSK	NV	20	4.28	0.002	PASS
Band41	5	39675	25	#0	QPSK	NV	30	2.40	0.001	PASS
Band41	5	39675	25	#0	QPSK	NV	40	1.80	0.001	PASS
Band41	5	39675	25	#0	QPSK	NV	50	1.46	0.001	PASS
Band41	5	39675	25	#0	16QAM	NV	-30	1.40	0.001	PASS
Band41	5	39675	25	#0	16QAM	NV	-20	-2.49	-0.001	PASS
Band41	5	39675	25	#0	16QAM	NV	-10	2.30	0.001	PASS
Band41	5	39675	25	#0	16QAM	NV	0	2.72	0.001	PASS
Band41	5	39675	25	#0	16QAM	NV	10	-1.17	0.000	PASS
Band41	5	39675	25	#0	16QAM	NV	20	-3.29	-0.001	PASS
Band41	5	39675	25	#0	16QAM	NV	30	-7.18	-0.003	PASS
Band41	5	39675	25	#0	16QAM	NV	40	-3.85	-0.002	PASS
Band41	5	39675	25	#0	16QAM	NV	50	-8.55	-0.003	PASS
Band41	5	40620	25	#0	QPSK	NV	-30	-9.50	-0.004	PASS
Band41	5	40620	25	#0	QPSK	NV	-20	-7.71	-0.003	PASS
Band41	5	40620	25	#0	QPSK	NV	-10	-9.63	-0.004	PASS
Band41	5	40620	25	#0	QPSK	NV	0	-2.10	-0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	10	-3.98	-0.002	PASS
Band41	5	40620	25	#0	QPSK	NV	20	-1.30	-0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	30	-1.69	-0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	40	-0.76	0.000	PASS
Band41	5	40620	25	#0	QPSK	NV	50	-1.29	0.000	PASS
Band41	5	40620	25	#0	16QAM	NV	-30	-0.79	0.000	PASS
Band41	5	40620	25	#0	16QAM	NV	-20	1.53	0.001	PASS
Band41	5	40620	25	#0	16QAM	NV	-10	0.70	0.000	PASS
Band41	5	40620	25	#0	16QAM	NV	0	-3.28	-0.001	PASS
Band41	5	40620	25	#0	16QAM	NV	10	-3.78	-0.001	PASS
Band41	5	40620	25	#0	16QAM	NV	20	-7.25	-0.003	PASS

Band41	5	40620	25	#0	16QAM	NV	30	-6.84	-0.003	PASS
Band41	5	40620	25	#0	16QAM	NV	40	-5.87	-0.002	PASS
Band41	5	40620	25	#0	16QAM	NV	50	-7.02	-0.003	PASS
Band41	5	41565	25	#0	QPSK	NV	-30	-5.16	-0.002	PASS
Band41	5	41565	25	#0	QPSK	NV	-20	-4.19	-0.002	PASS
Band41	5	41565	25	#0	QPSK	NV	-10	-3.65	-0.001	PASS
Band41	5	41565	25	#0	QPSK	NV	0	-7.67	-0.003	PASS
Band41	5	41565	25	#0	QPSK	NV	10	-6.47	-0.002	PASS
Band41	5	41565	25	#0	QPSK	NV	20	-3.33	-0.001	PASS
Band41	5	41565	25	#0	QPSK	NV	30	-7.77	-0.003	PASS
Band41	5	41565	25	#0	QPSK	NV	40	-5.41	-0.002	PASS
Band41	5	41565	25	#0	QPSK	NV	50	-6.62	-0.002	PASS
Band41	5	41565	25	#0	16QAM	NV	-30	-2.99	-0.001	PASS
Band41	5	41565	25	#0	16QAM	NV	-20	-1.12	0.000	PASS
Band41	5	41565	25	#0	16QAM	NV	-10	-3.12	-0.001	PASS
Band41	5	41565	25	#0	16QAM	NV	0	-6.01	-0.002	PASS
Band41	5	41565	25	#0	16QAM	NV	10	-7.85	-0.003	PASS
Band41	5	41565	25	#0	16QAM	NV	20	-8.57	-0.003	PASS
Band41	5	41565	25	#0	16QAM	NV	30	-7.88	-0.003	PASS
Band41	5	41565	25	#0	16QAM	NV	40	-6.49	-0.002	PASS
Band41	5	41565	25	#0	16QAM	NV	50	-1.24	0.000	PASS
Band41	10	39700	50	#0	QPSK	NV	-30	-1.10	0.000	PASS
Band41	10	39700	50	#0	QPSK	NV	-20	-2.80	-0.001	PASS
Band41	10	39700	50	#0	QPSK	NV	-10	4.11	0.002	PASS
Band41	10	39700	50	#0	QPSK	NV	0	4.53	0.002	PASS
Band41	10	39700	50	#0	QPSK	NV	10	0.77	0.000	PASS
Band41	10	39700	50	#0	QPSK	NV	20	1.59	0.001	PASS
Band41	10	39700	50	#0	QPSK	NV	30	3.60	0.001	PASS
Band41	10	39700	50	#0	QPSK	NV	40	-1.10	0.000	PASS
Band41	10	39700	50	#0	QPSK	NV	50	1.49	0.001	PASS
Band41	10	40620	50	#0	QPSK	NV	-30	-5.46	-0.002	PASS
Band41	10	40620	50	#0	QPSK	NV	-20	-7.18	-0.003	PASS
Band41	10	40620	50	#0	QPSK	NV	-10	-9.83	-0.004	PASS
Band41	10	40620	50	#0	QPSK	NV	0	-10.56	-0.004	PASS
Band41	10	40620	50	#0	QPSK	NV	10	-7.05	-0.003	PASS
Band41	10	40620	50	#0	QPSK	NV	20	-2.79	-0.001	PASS
Band41	10	40620	50	#0	QPSK	NV	30	-5.79	-0.002	PASS
Band41	10	40620	50	#0	QPSK	NV	40	-4.11	-0.002	PASS
Band41	10	40620	50	#0	QPSK	NV	50	-7.94	-0.003	PASS
Band41	10	41540	50	#0	QPSK	NV	-30	-5.18	-0.002	PASS
Band41	10	41540	50	#0	QPSK	NV	-20	-7.81	-0.003	PASS
Band41	10	41540	50	#0	QPSK	NV	-10	-2.20	-0.001	PASS
Band41	10	41540	50	#0	QPSK	NV	0	-1.42	-0.001	PASS

Band41	10	41540	50	#0	QPSK	NV	10	1.42	0.001	PASS
Band41	10	41540	50	#0	QPSK	NV	20	-0.03	0.000	PASS
Band41	10	41540	50	#0	QPSK	NV	30	5.05	0.002	PASS
Band41	10	41540	50	#0	QPSK	NV	40	3.00	0.001	PASS
Band41	10	41540	50	#0	QPSK	NV	50	3.93	0.001	PASS
Band41	15	39725	75	#0	QPSK	NV	-30	-8.15	-0.003	PASS
Band41	15	39725	75	#0	QPSK	NV	-20	-4.65	-0.002	PASS
Band41	15	39725	75	#0	QPSK	NV	-10	1.23	0.000	PASS
Band41	15	39725	75	#0	QPSK	NV	0	1.22	0.000	PASS
Band41	15	39725	75	#0	QPSK	NV	10	0.47	0.000	PASS
Band41	15	39725	75	#0	QPSK	NV	20	0.89	0.000	PASS
Band41	15	39725	75	#0	QPSK	NV	30	3.29	0.001	PASS
Band41	15	39725	75	#0	QPSK	NV	40	-2.72	-0.001	PASS
Band41	15	39725	75	#0	QPSK	NV	50	-1.09	0.000	PASS
Band41	15	40620	75	#0	QPSK	NV	-30	-5.21	-0.002	PASS
Band41	15	40620	75	#0	QPSK	NV	-20	-9.30	-0.004	PASS
Band41	15	40620	75	#0	QPSK	NV	-10	-9.70	-0.004	PASS
Band41	15	40620	75	#0	QPSK	NV	0	-8.84	-0.003	PASS
Band41	15	40620	75	#0	QPSK	NV	10	-3.05	-0.001	PASS
Band41	15	40620	75	#0	QPSK	NV	20	-4.38	-0.002	PASS
Band41	15	40620	75	#0	QPSK	NV	30	-2.03	-0.001	PASS
Band41	15	40620	75	#0	QPSK	NV	40	-0.14	0.000	PASS
Band41	15	40620	75	#0	QPSK	NV	50	-1.27	0.000	PASS
Band41	15	41515	75	#0	QPSK	NV	-30	-5.59	-0.002	PASS
Band41	15	41515	75	#0	QPSK	NV	-20	-4.11	-0.002	PASS
Band41	15	41515	75	#0	QPSK	NV	-10	-6.27	-0.002	PASS
Band41	15	41515	75	#0	QPSK	NV	0	-3.40	-0.001	PASS
Band41	15	41515	75	#0	QPSK	NV	10	0.92	0.000	PASS
Band41	15	41515	75	#0	QPSK	NV	20	-1.39	-0.001	PASS
Band41	15	41515	75	#0	QPSK	NV	30	2.42	0.001	PASS
Band41	15	41515	75	#0	QPSK	NV	40	2.15	0.001	PASS
Band41	15	41515	75	#0	QPSK	NV	50	3.10	0.001	PASS
Band41	20	39750	100	#0	QPSK	NV	-30	-2.06	-0.001	PASS
Band41	20	39750	100	#0	QPSK	NV	-20	3.06	0.001	PASS
Band41	20	39750	100	#0	QPSK	NV	-10	1.73	0.001	PASS
Band41	20	39750	100	#0	QPSK	NV	0	-0.57	0.000	PASS
Band41	20	39750	100	#0	QPSK	NV	10	4.23	0.002	PASS
Band41	20	39750	100	#0	QPSK	NV	20	2.53	0.001	PASS
Band41	20	39750	100	#0	QPSK	NV	30	-2.10	-0.001	PASS
Band41	20	39750	100	#0	QPSK	NV	40	1.07	0.000	PASS
Band41	20	39750	100	#0	QPSK	NV	50	1.29	0.001	PASS
Band41	20	40620	100	#0	QPSK	NV	-30	-4.72	-0.002	PASS
Band41	20	40620	100	#0	QPSK	NV	-20	-9.06	-0.003	PASS

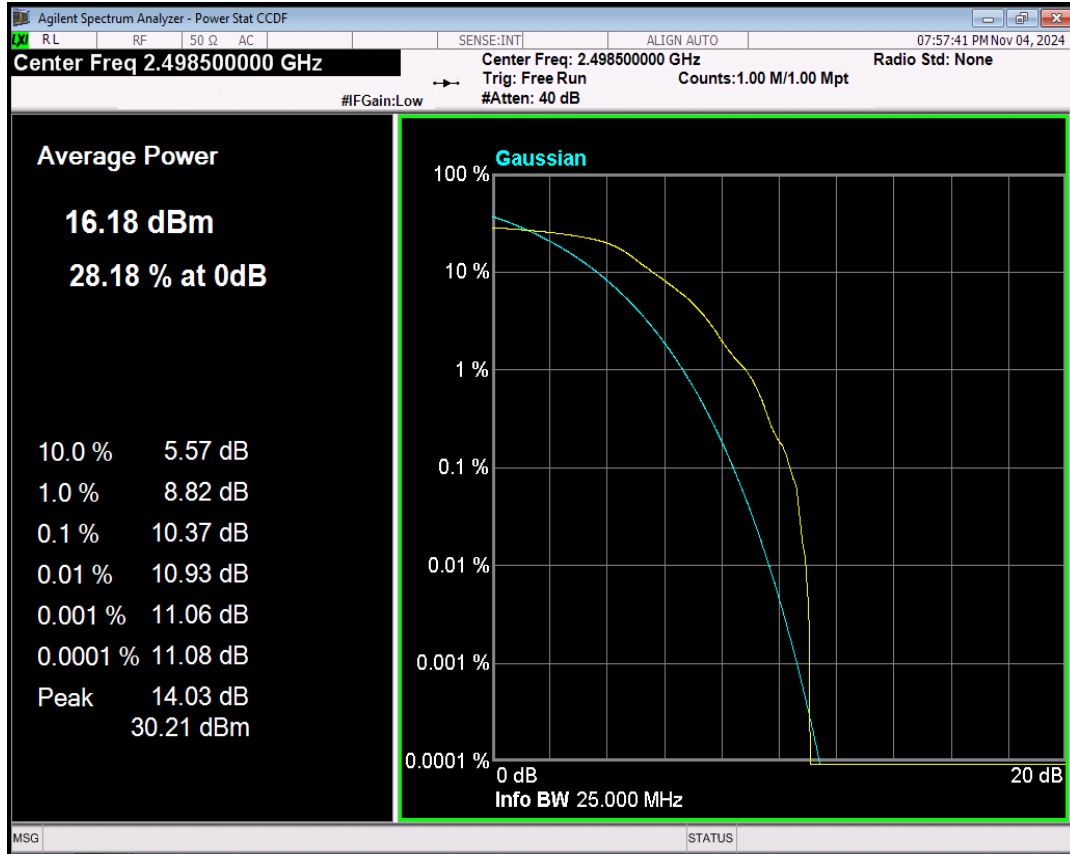
Band41	20	40620	100	#0	QPSK	NV	-10	-6.85	-0.003	PASS
Band41	20	40620	100	#0	QPSK	NV	0	-5.14	-0.002	PASS
Band41	20	40620	100	#0	QPSK	NV	10	-2.23	-0.001	PASS
Band41	20	40620	100	#0	QPSK	NV	20	-2.98	-0.001	PASS
Band41	20	40620	100	#0	QPSK	NV	30	0.07	0.000	PASS
Band41	20	40620	100	#0	QPSK	NV	40	-1.49	-0.001	PASS
Band41	20	40620	100	#0	QPSK	NV	50	-0.83	0.000	PASS
Band41	20	41490	100	#0	QPSK	NV	-30	-1.87	-0.001	PASS
Band41	20	41490	100	#0	QPSK	NV	-20	-4.19	-0.002	PASS
Band41	20	41490	100	#0	QPSK	NV	-10	-7.20	-0.003	PASS
Band41	20	41490	100	#0	QPSK	NV	0	-5.95	-0.002	PASS
Band41	20	41490	100	#0	QPSK	NV	10	-4.09	-0.002	PASS
Band41	20	41490	100	#0	QPSK	NV	20	-3.25	-0.001	PASS
Band41	20	41490	100	#0	QPSK	NV	30	-3.36	-0.001	PASS
Band41	20	41490	100	#0	QPSK	NV	40	-2.30	-0.001	PASS
Band41	20	41490	100	#0	QPSK	NV	50	-1.34	-0.001	PASS



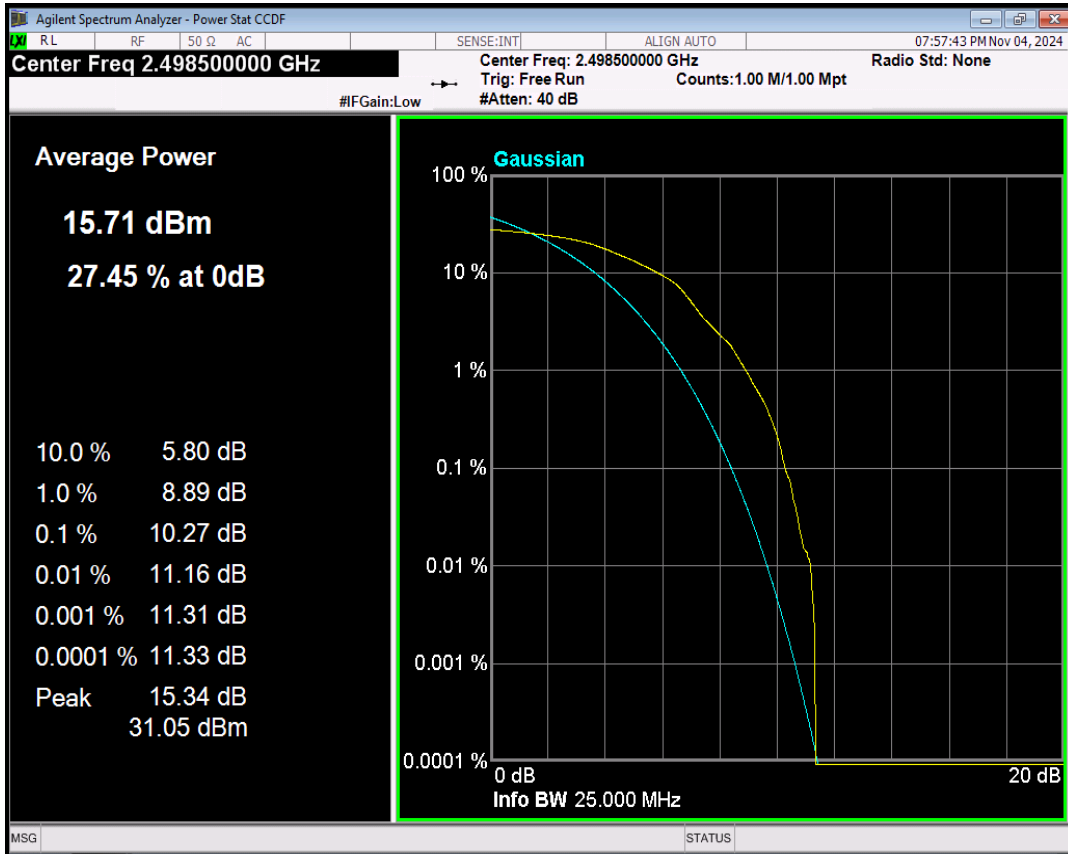
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band41	5	39675	1	#0	QPSK	10.37	13	PASS
Band41	5	39675	1	#0	16QAM	10.27	13	PASS
Band41	5	40620	1	#0	QPSK	9.46	13	PASS
Band41	5	40620	1	#0	16QAM	9.51	13	PASS
Band41	5	41565	1	#0	QPSK	7.77	13	PASS
Band41	5	41565	1	#0	16QAM	8.02	13	PASS
Band41	10	39700	1	#0	QPSK	9.55	13	PASS
Band41	10	40620	1	#0	QPSK	7.65	13	PASS
Band41	10	41540	1	#0	QPSK	7.33	13	PASS
Band41	15	39725	1	#0	QPSK	9.64	13	PASS
Band41	15	40620	1	#0	QPSK	9.48	13	PASS
Band41	15	41515	1	#0	QPSK	9.01	13	PASS
Band41	20	39750	1	#0	QPSK	9.31	13	PASS
Band41	20	40620	1	#0	QPSK	8.01	13	PASS
Band41	20	41490	1	#0	QPSK	7.70	13	PASS

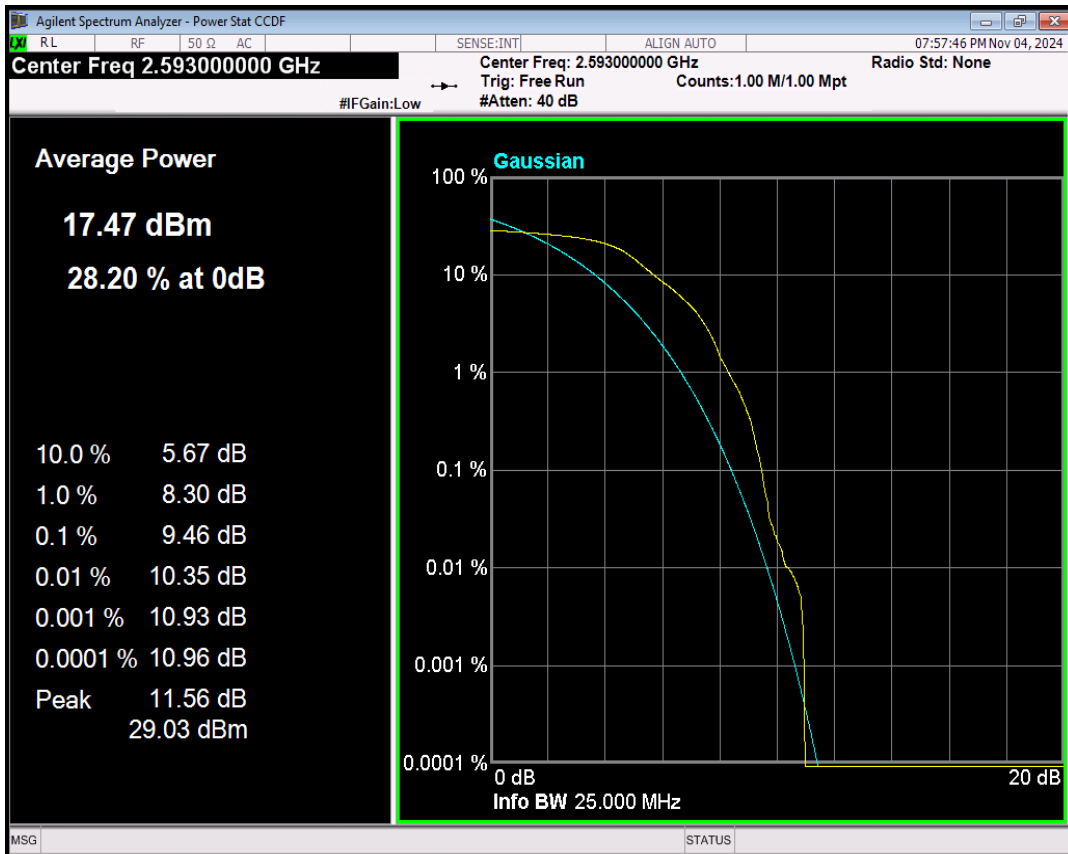
Band41 QPSK BW=5MHz Channel=39675 RB Size=1 Position=#0



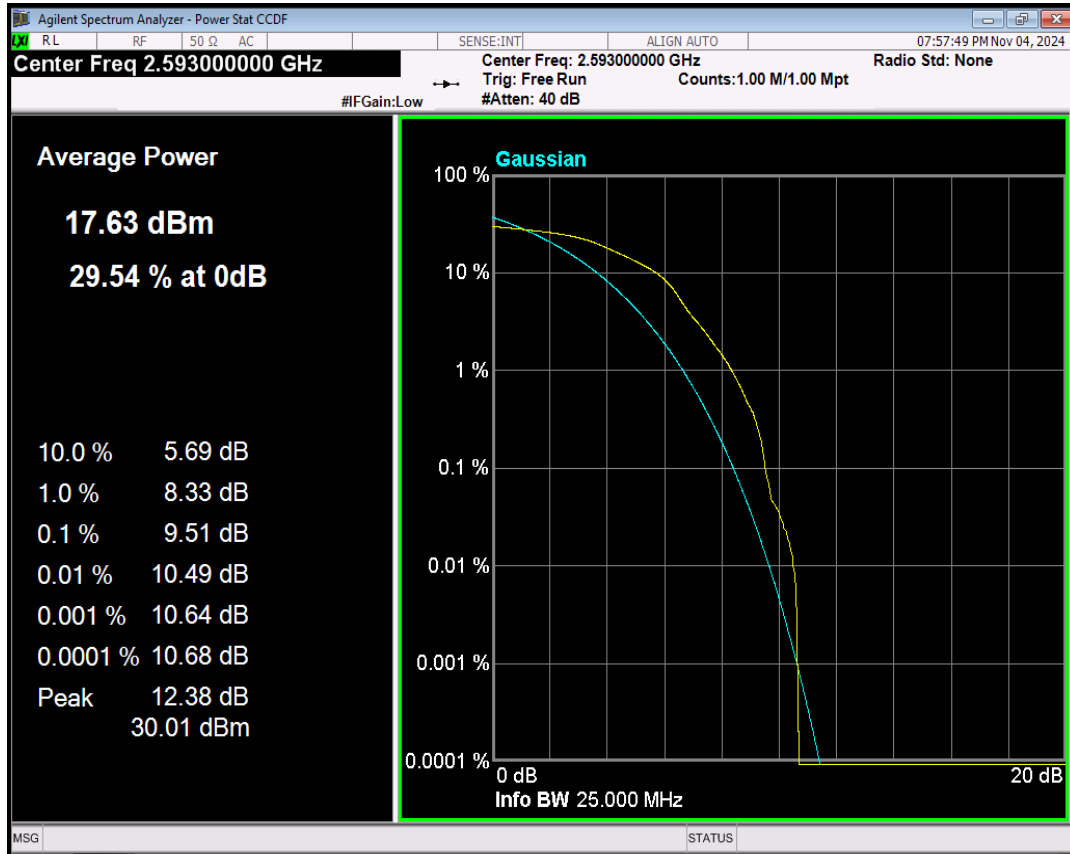
Band41 16QAM BW=5MHz Channel=39675 RB Size=1 Position=#0



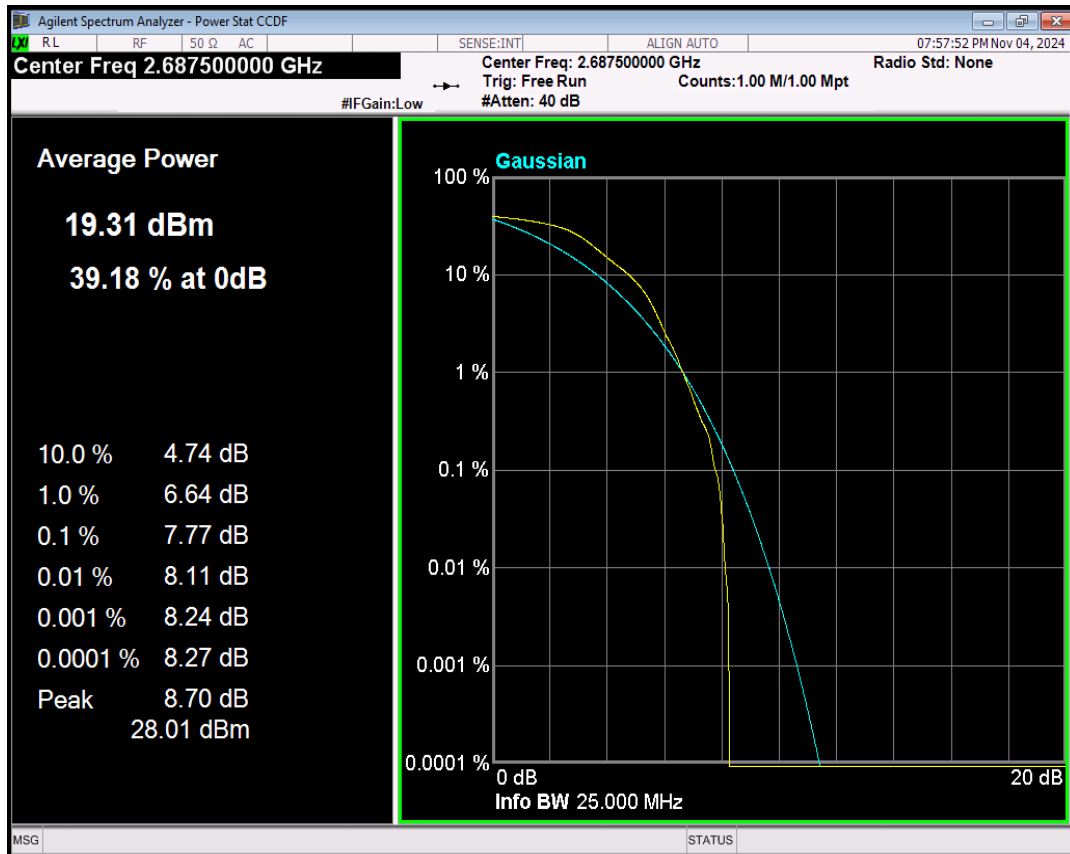
Band41 QPSK BW=5MHz Channel=40620 RB Size=1 Position=#0



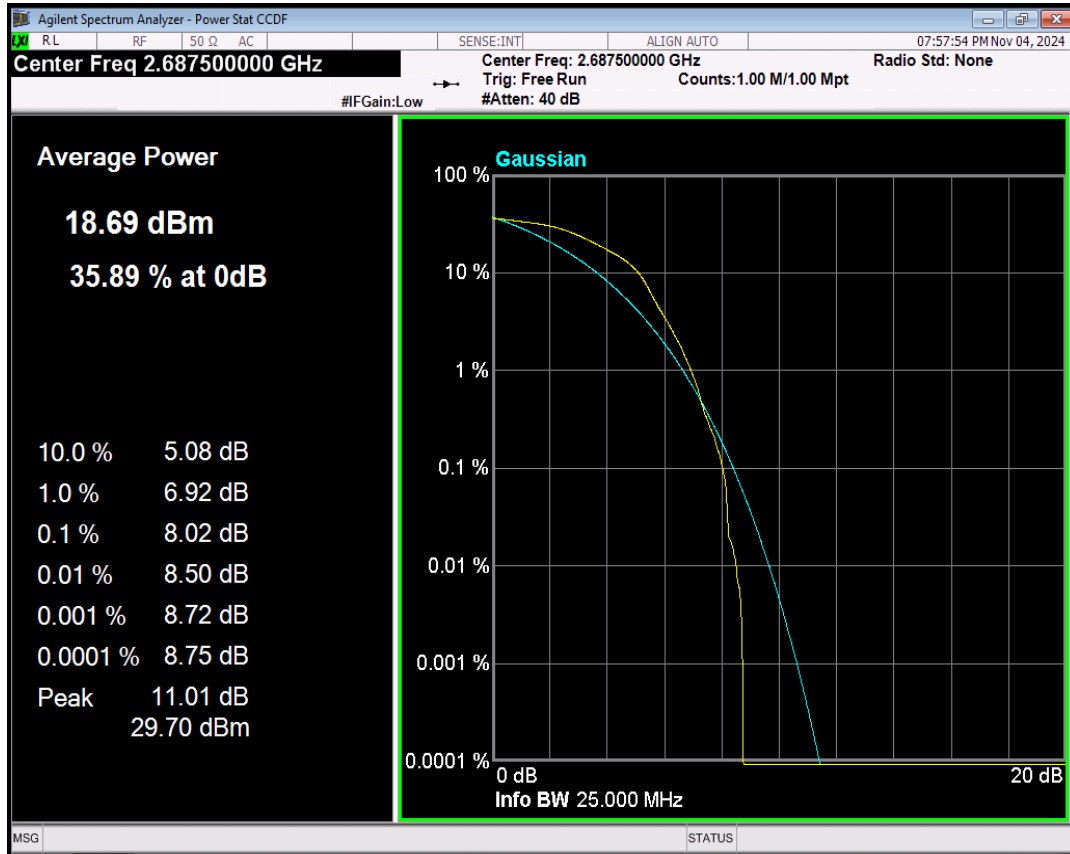
Band41 16QAM BW=5MHz Channel=40620 RB Size=1 Position=#0



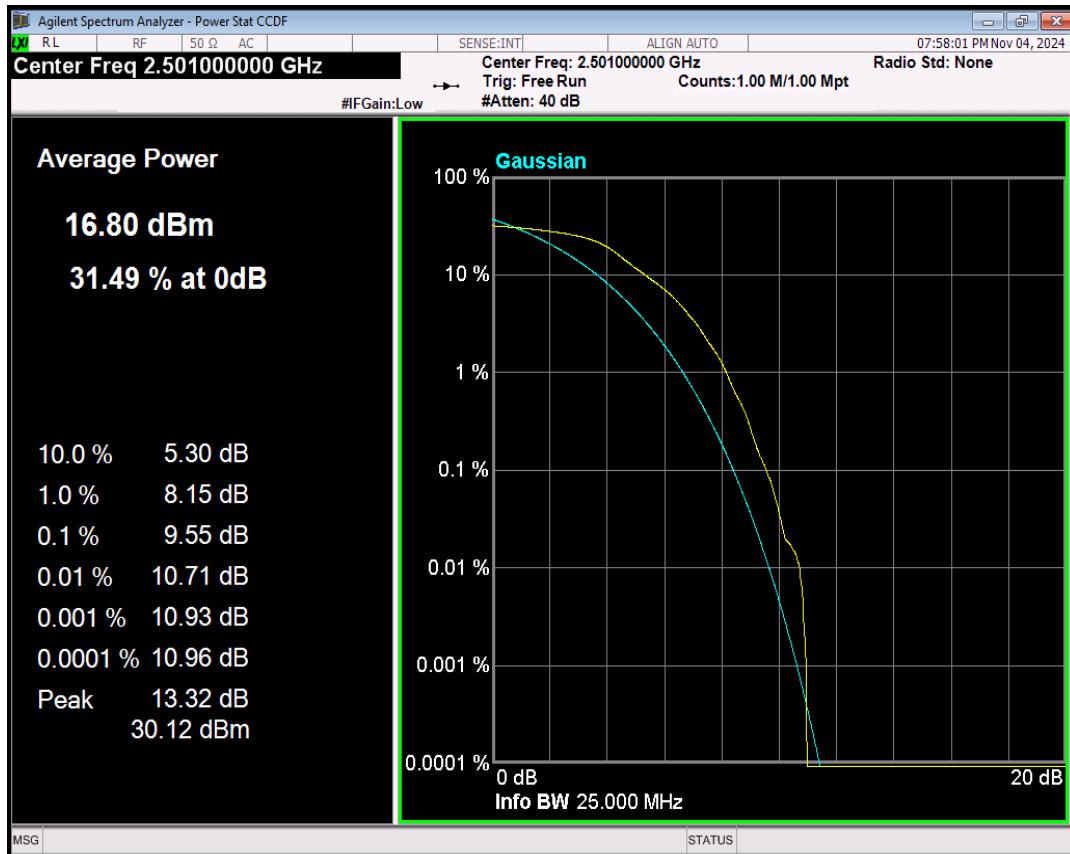
Band41 QPSK BW=5MHz Channel=41565 RB Size=1 Position=#0



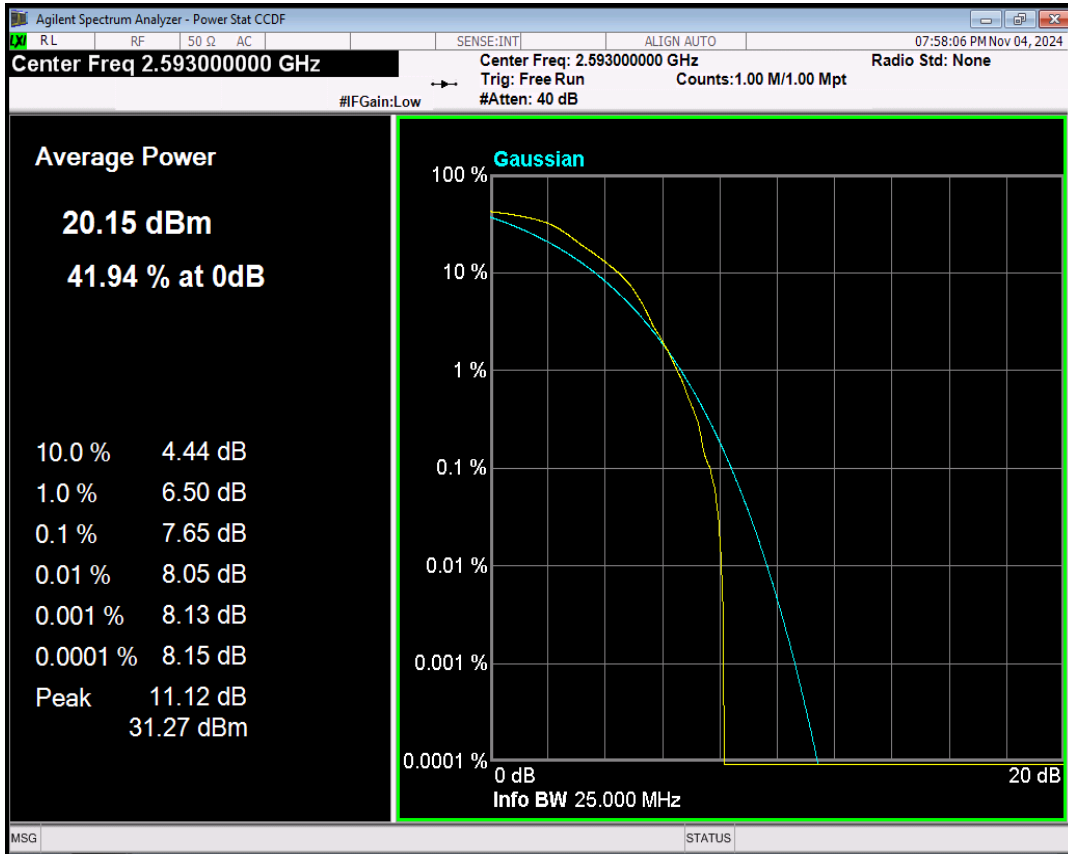
Band41 16QAM BW=5MHz Channel=41565 RB Size=1 Position=#0



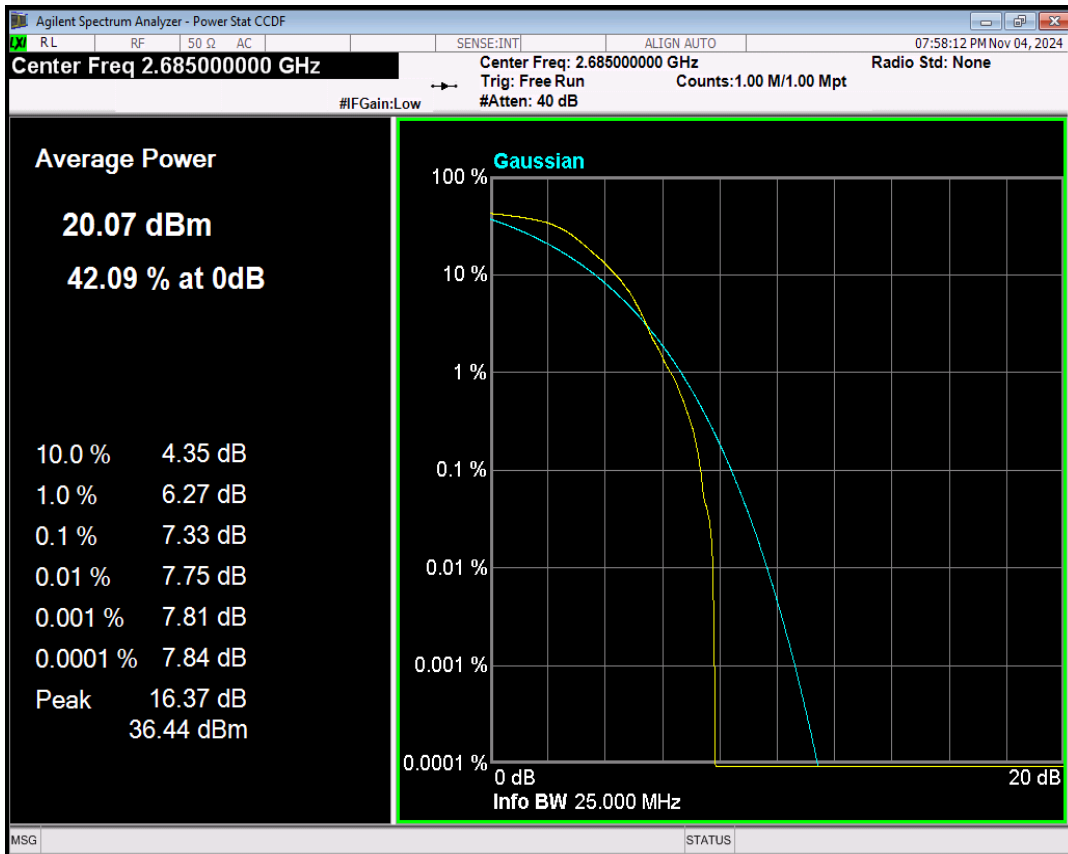
Band41 QPSK BW=10MHz Channel=39700 RB Size=1 Position=#0



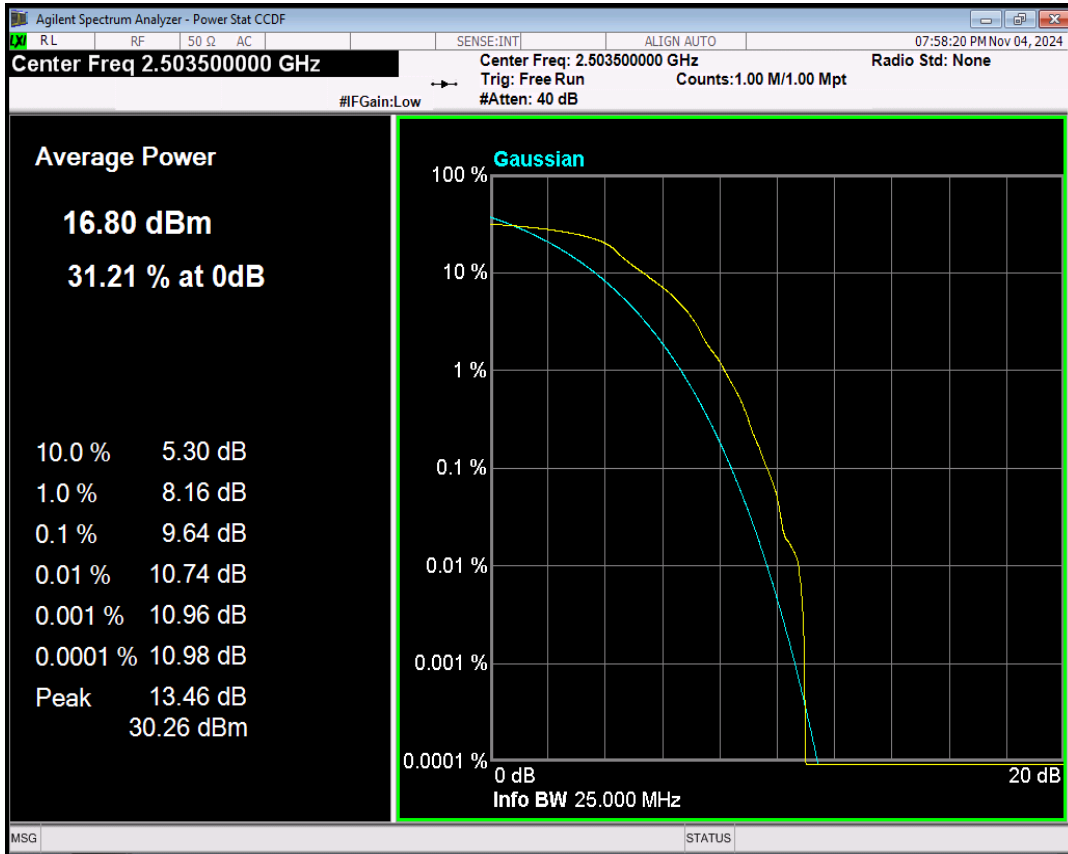
Band41 QPSK BW=10MHz Channel=40620 RB Size=1 Position=#0



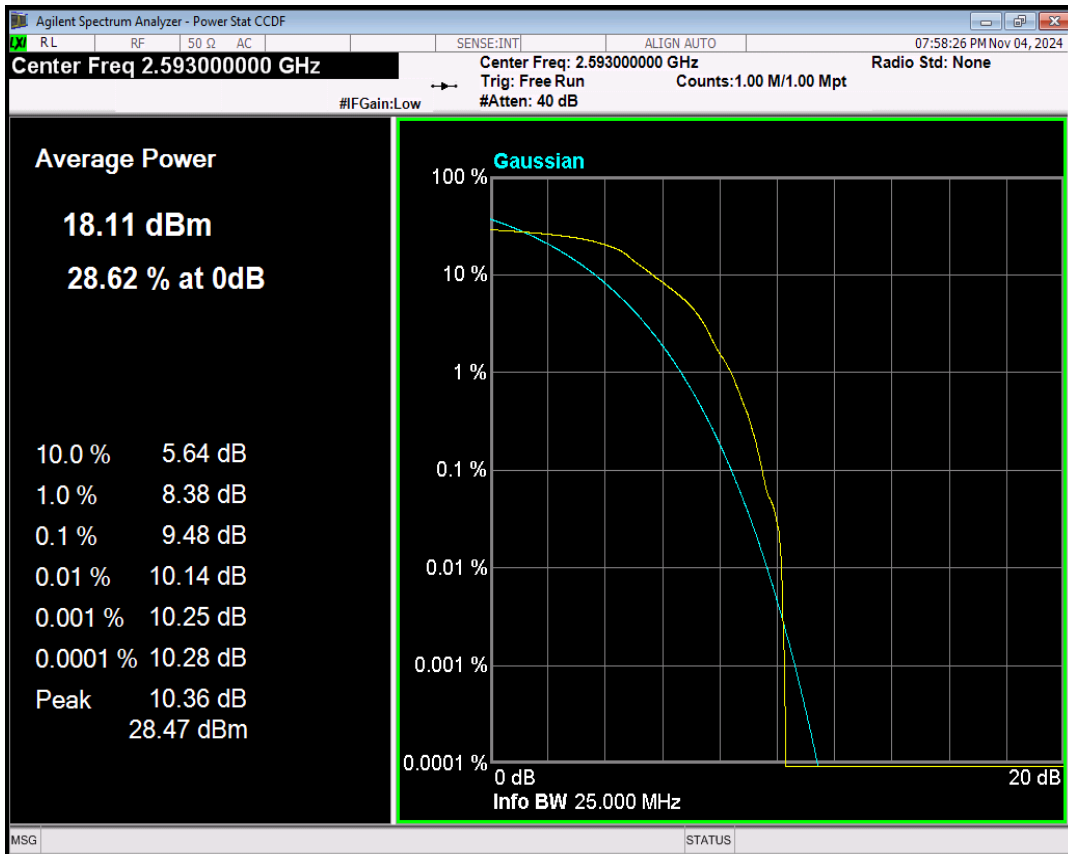
Band41 QPSK BW=10MHz Channel=41540 RB Size=1 Position=#0



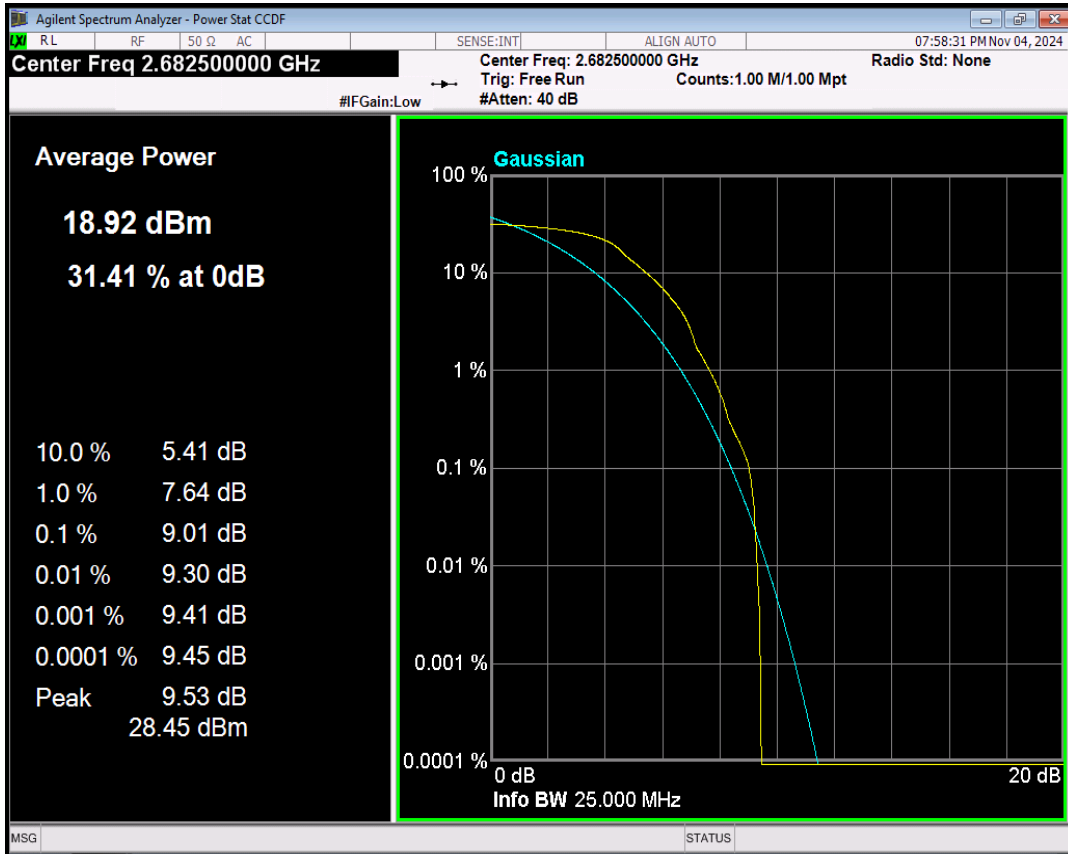
Band41 QPSK BW=15MHz Channel=39725 RB Size=1 Position=#0



Band41 QPSK BW=15MHz Channel=40620 RB Size=1 Position=#0



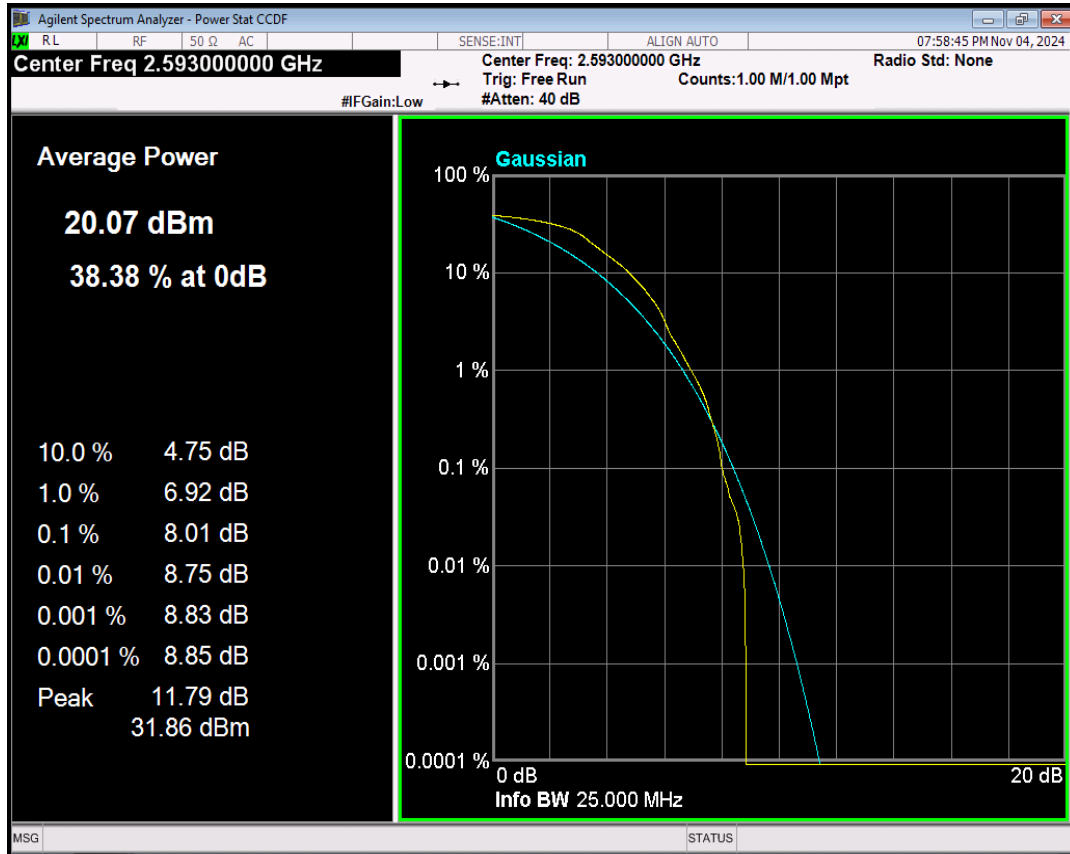
Band41 QPSK BW=15MHz Channel=41515 RB Size=1 Position=#0



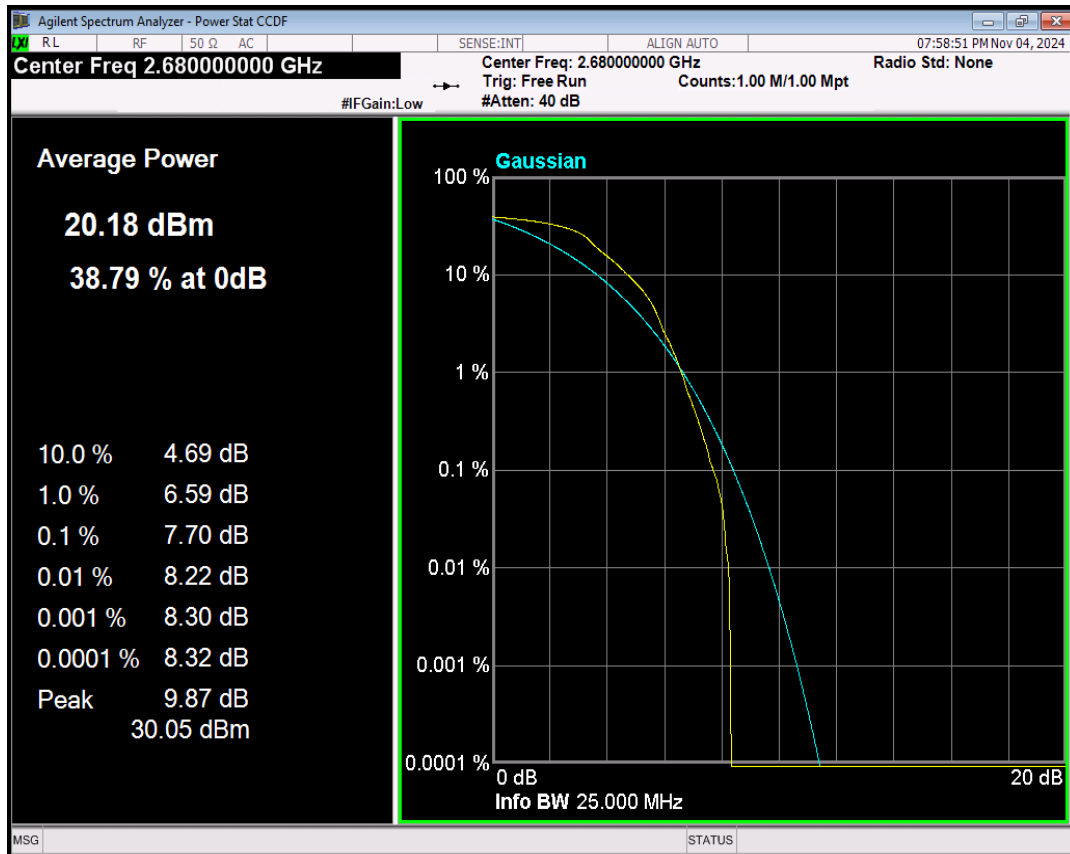
Band41 QPSK BW=20MHz Channel=39750 RB Size=1 Position=#0



Band41 QPSK BW=20MHz Channel=40620 RB Size=1 Position=#0



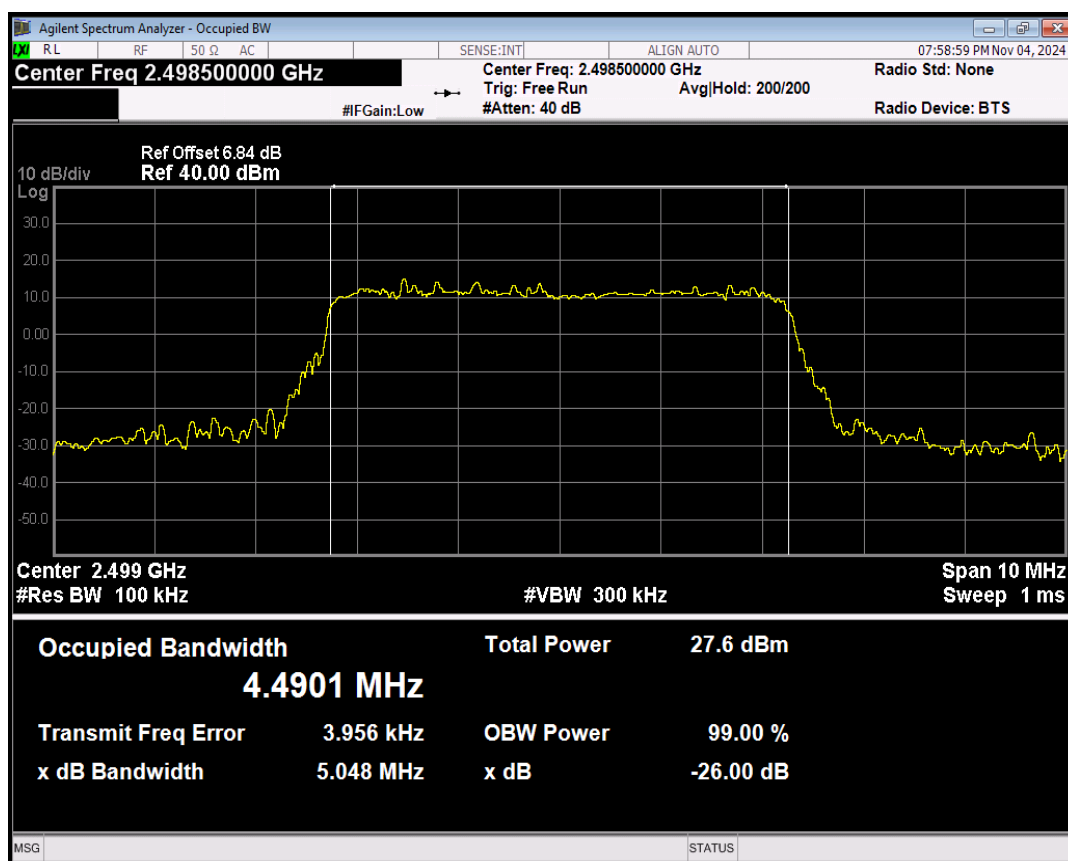
Band41 QPSK BW=20MHz Channel=41490 RB Size=1 Position=#0



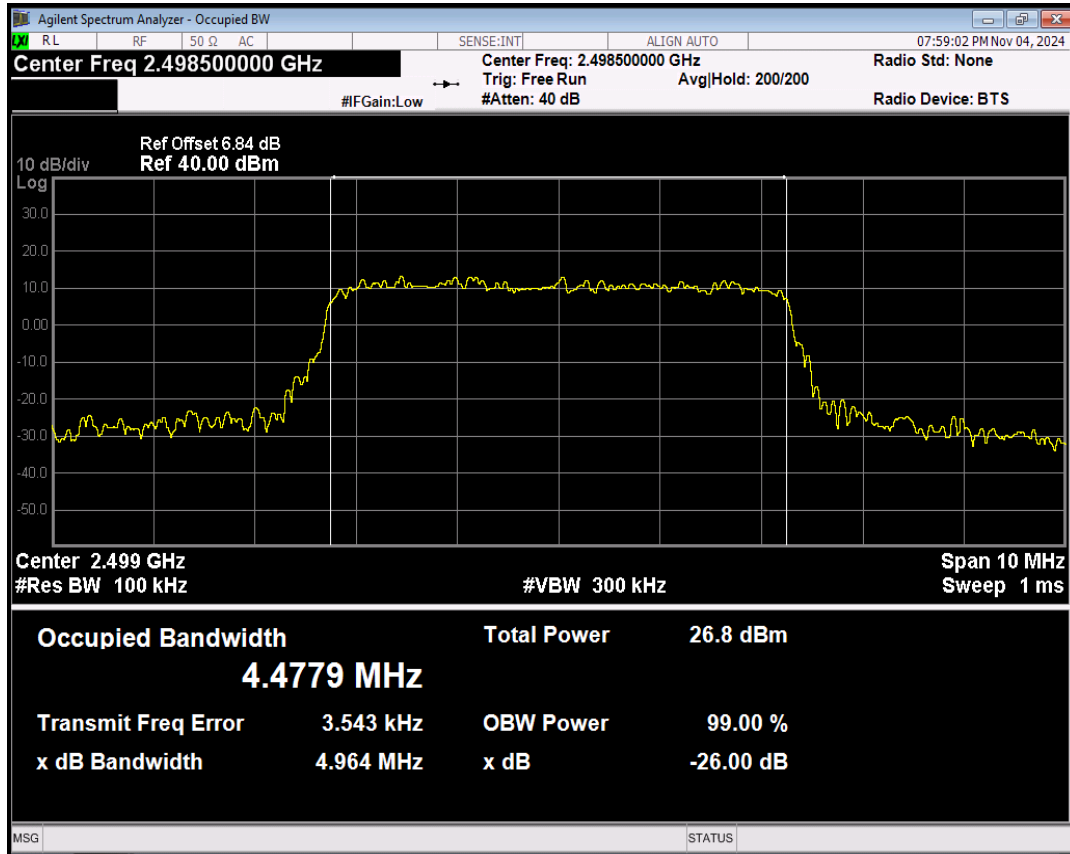
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band41	5	39675	25	#0	QPSK	4.490	5.048	PASS
Band41	5	39675	25	#0	16QAM	4.478	4.964	PASS
Band41	5	40620	25	#0	QPSK	4.485	4.939	PASS
Band41	5	40620	25	#0	16QAM	4.479	4.990	PASS
Band41	5	41565	25	#0	QPSK	4.480	4.997	PASS
Band41	5	41565	25	#0	16QAM	4.487	5.017	PASS
Band41	10	39700	50	#0	QPSK	8.928	9.678	PASS
Band41	10	40620	50	#0	QPSK	8.961	9.585	PASS
Band41	10	41540	50	#0	QPSK	8.935	9.477	PASS
Band41	15	39725	75	#0	QPSK	13.510	16.159	PASS
Band41	15	40620	75	#0	QPSK	13.490	15.540	PASS
Band41	15	41515	75	#0	QPSK	13.457	16.440	PASS
Band41	20	39750	100	#0	QPSK	17.953	20.516	PASS
Band41	20	40620	100	#0	QPSK	17.959	20.949	PASS
Band41	20	41490	100	#0	QPSK	17.937	20.519	PASS

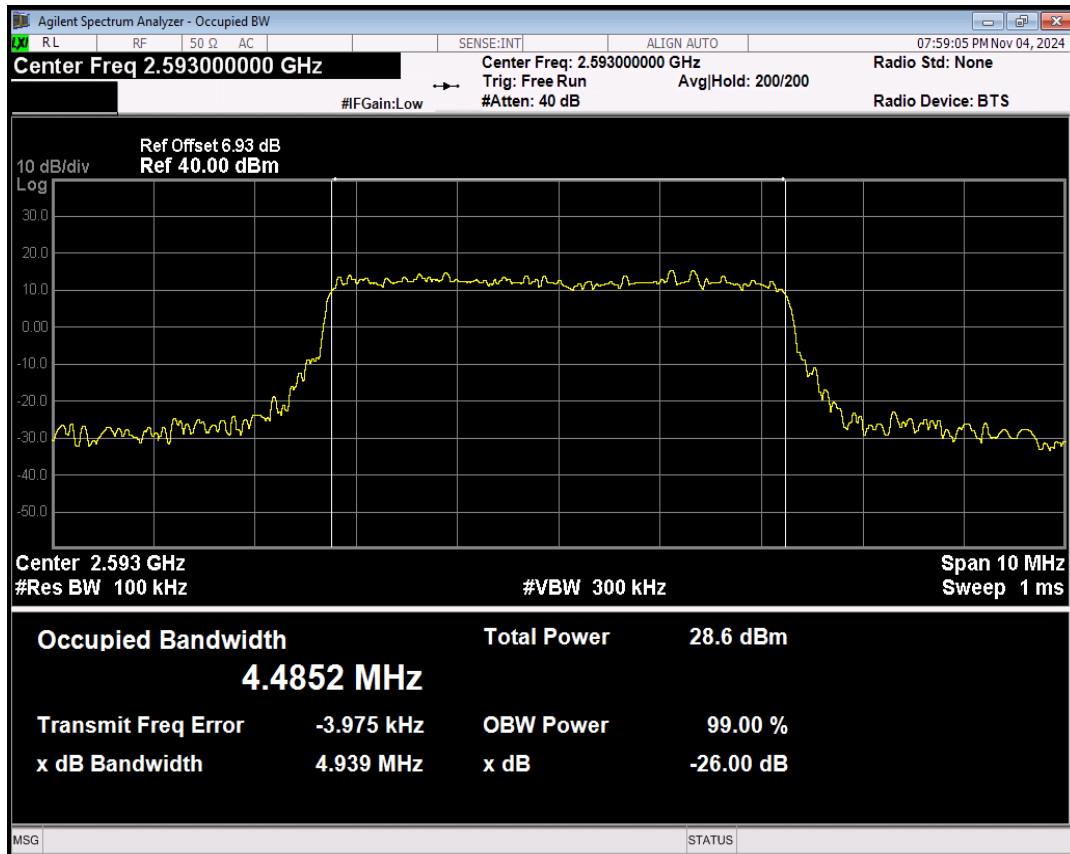
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0



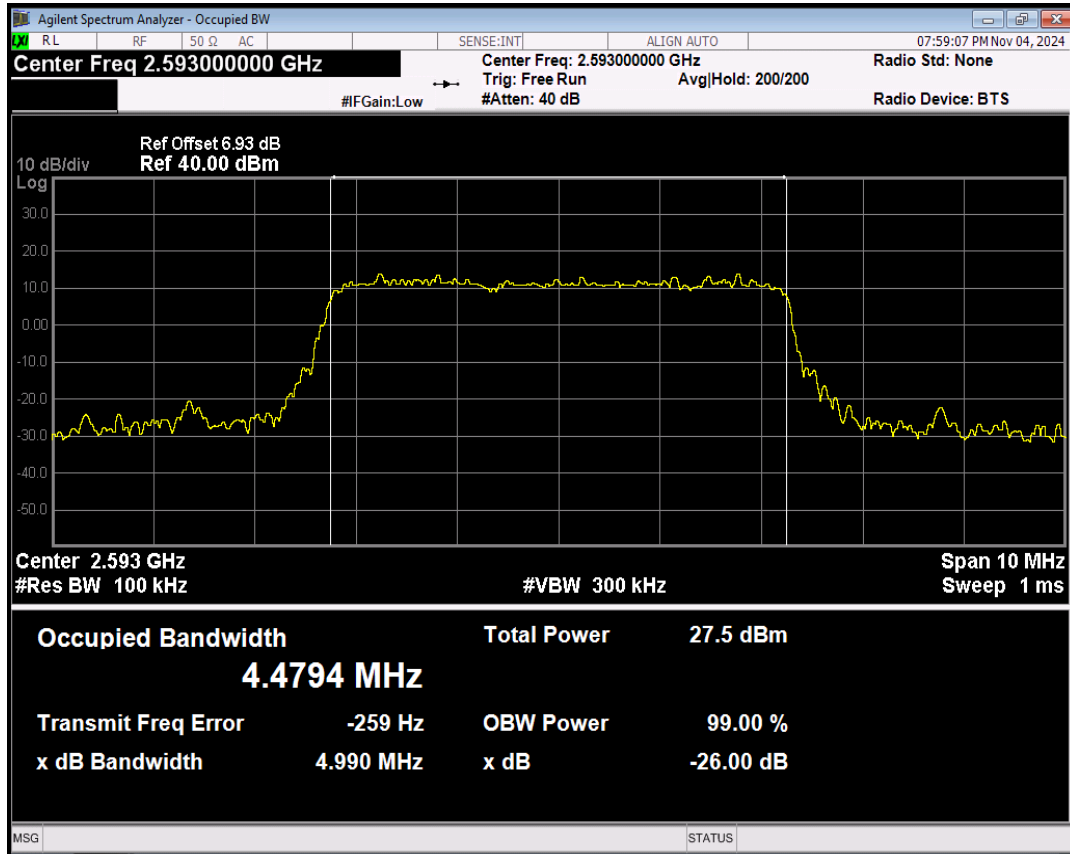
Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0



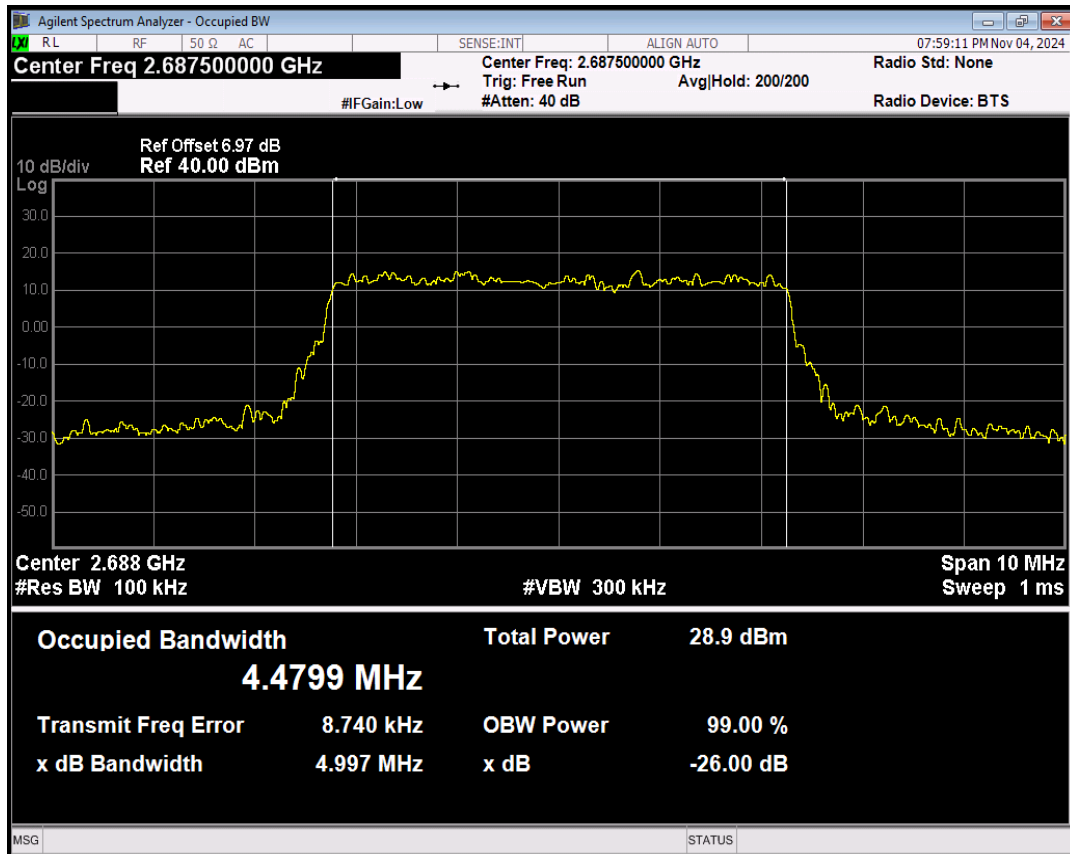
Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0



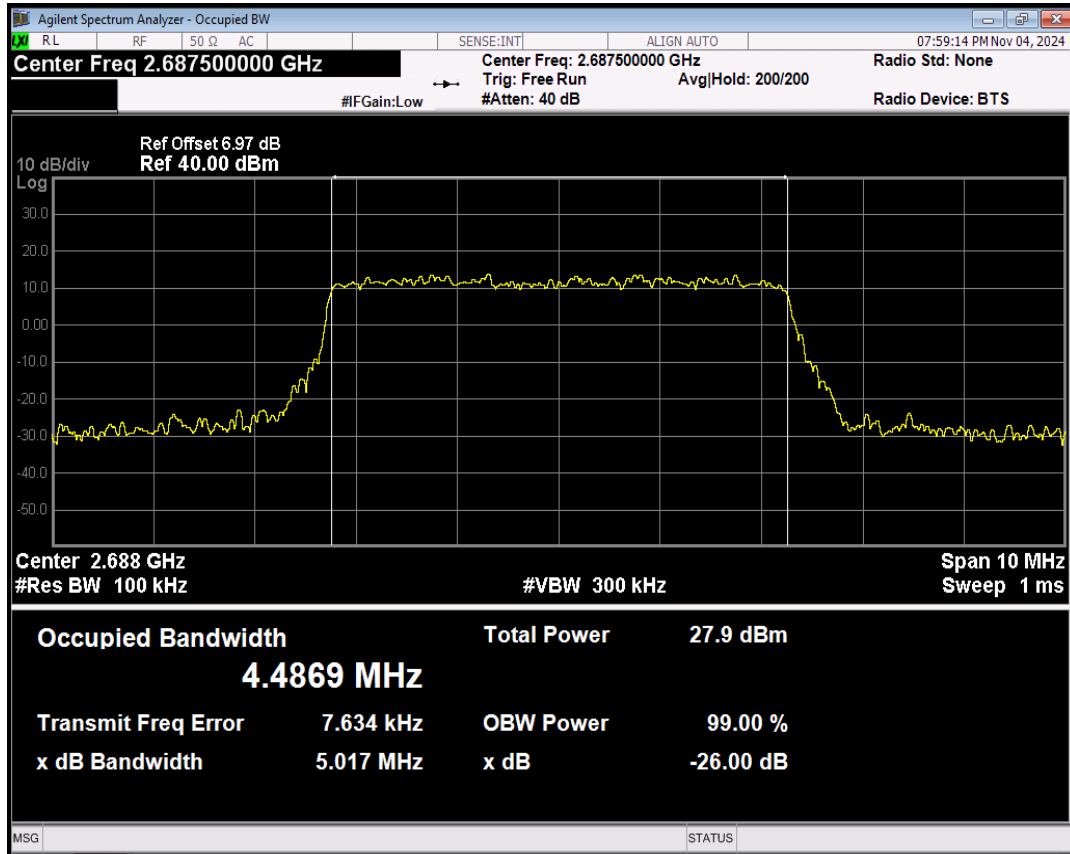
Band41 16QAM BW=5MHz Channel=40620 RB Size=25 Position=#0



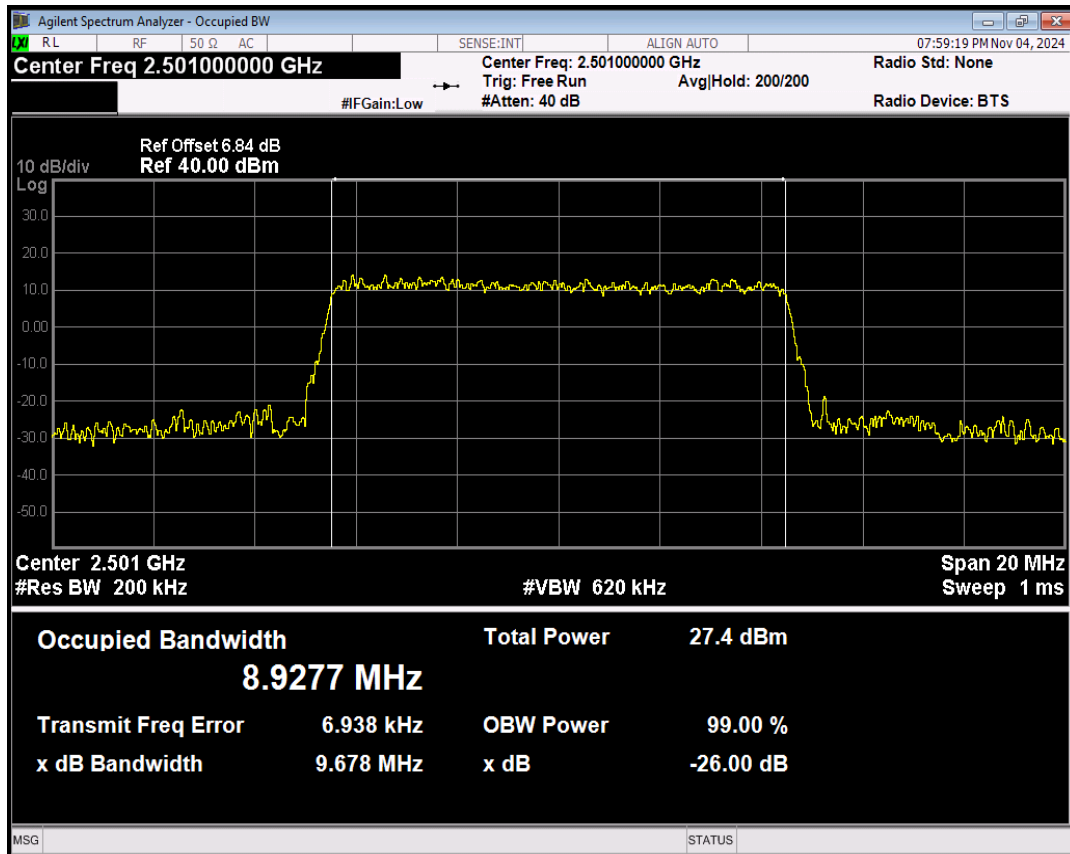
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



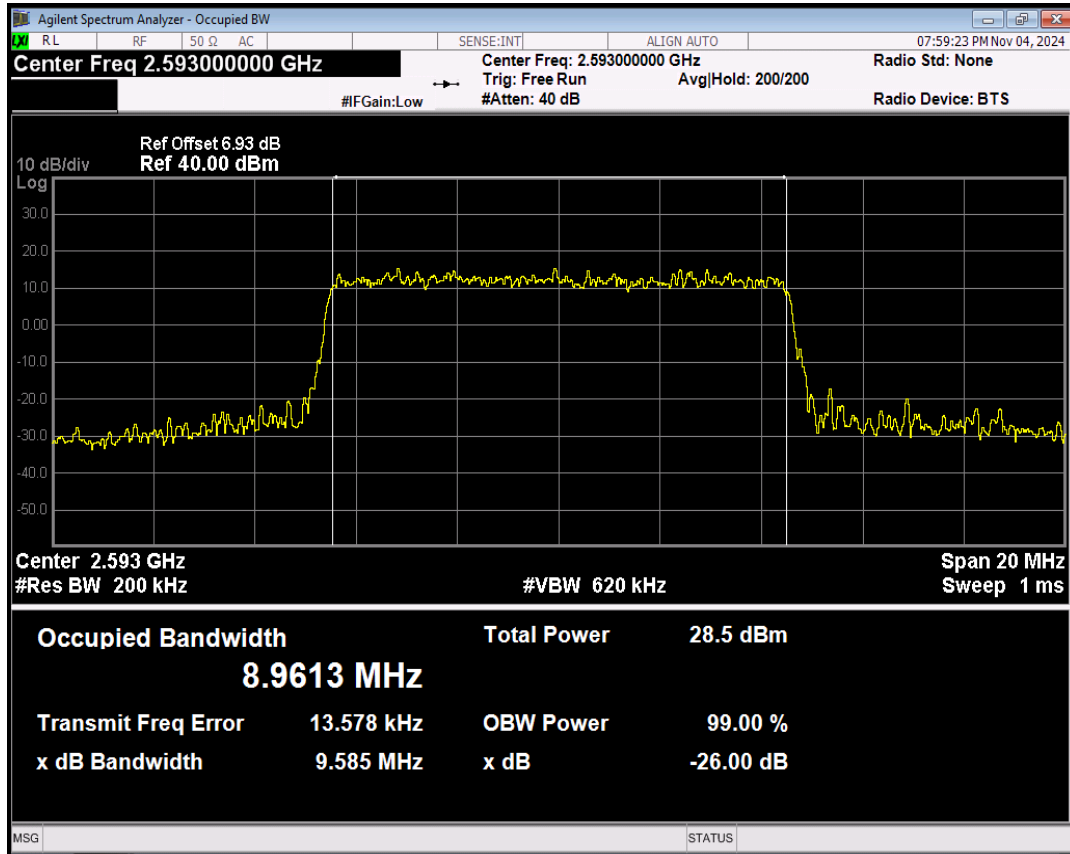
Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0



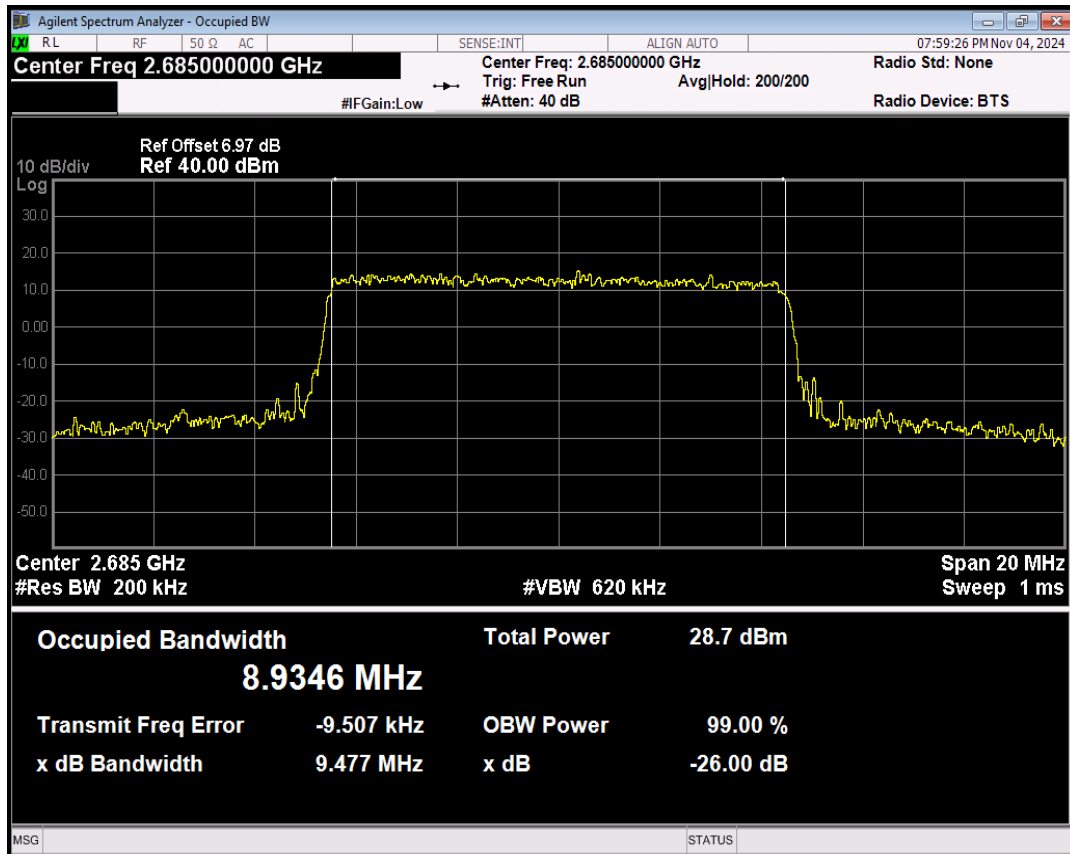
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



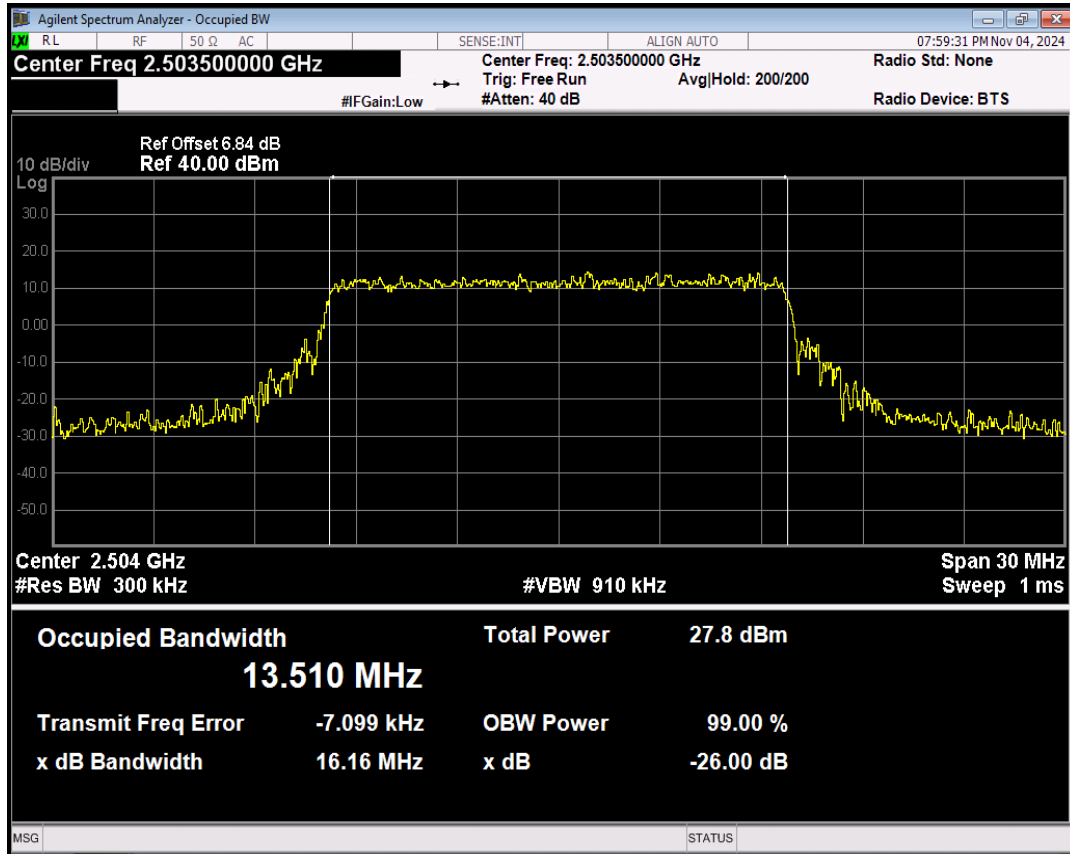
Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0



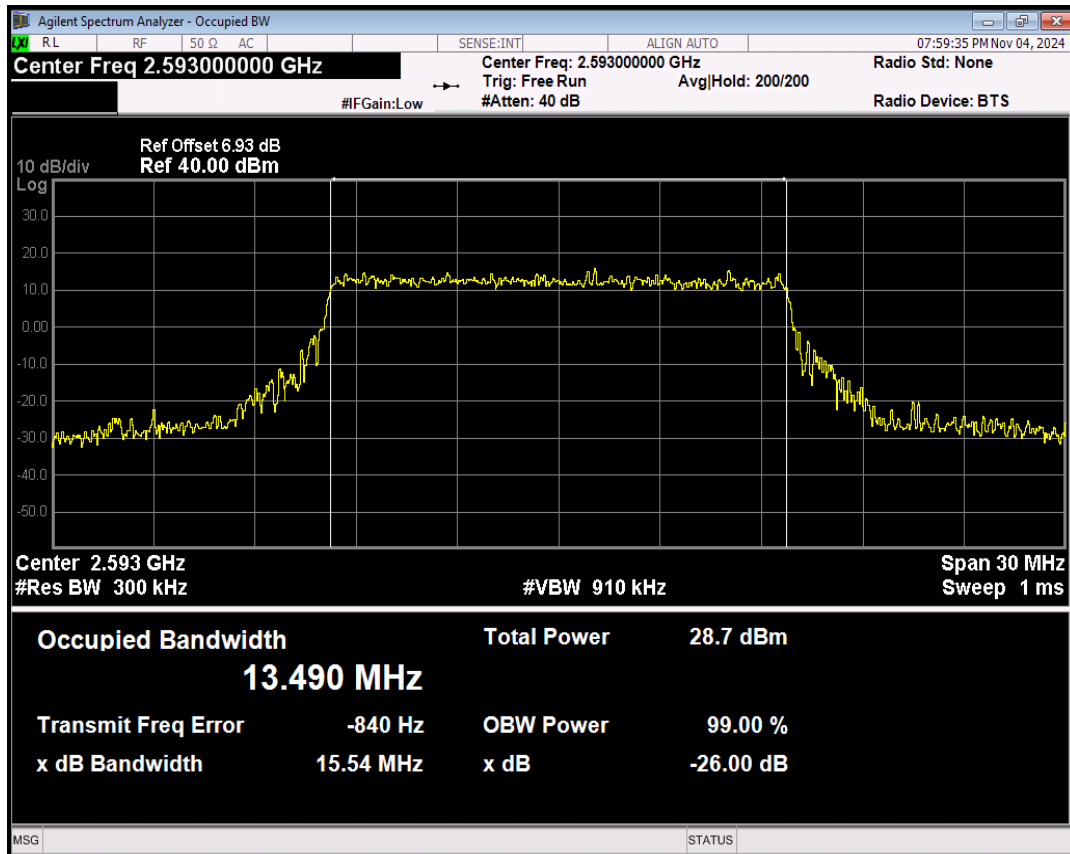
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



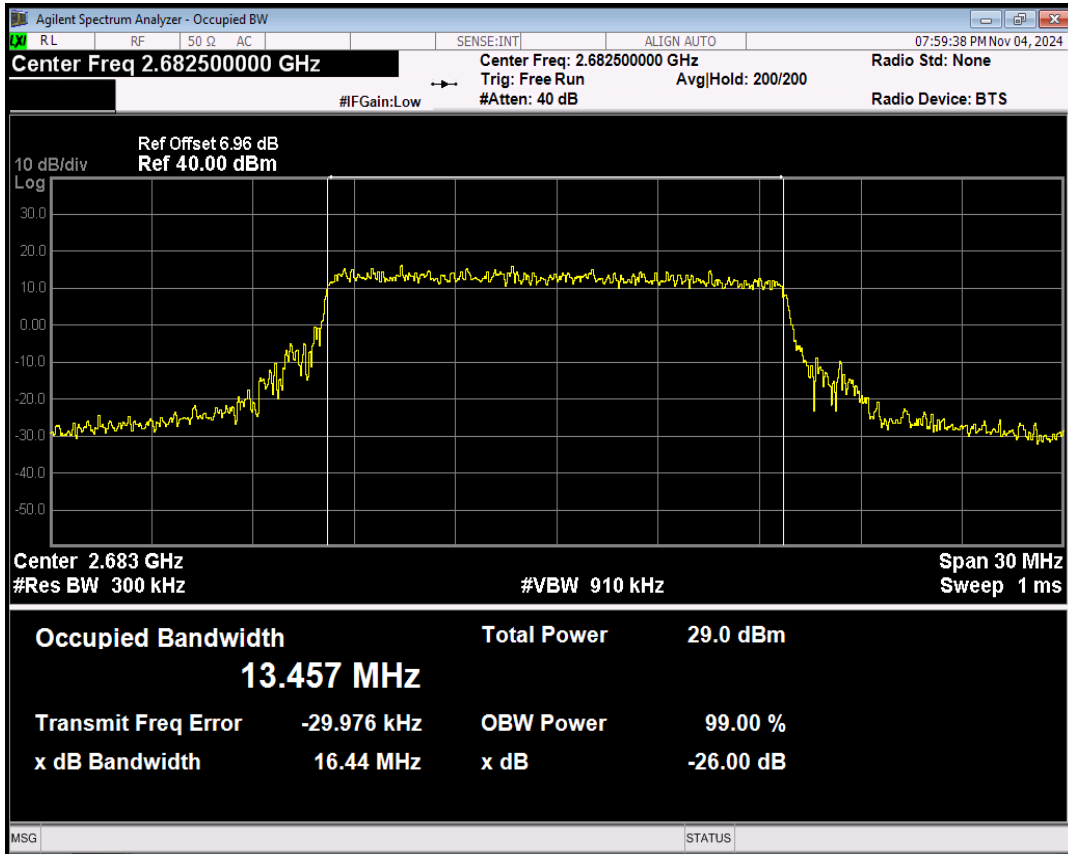
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



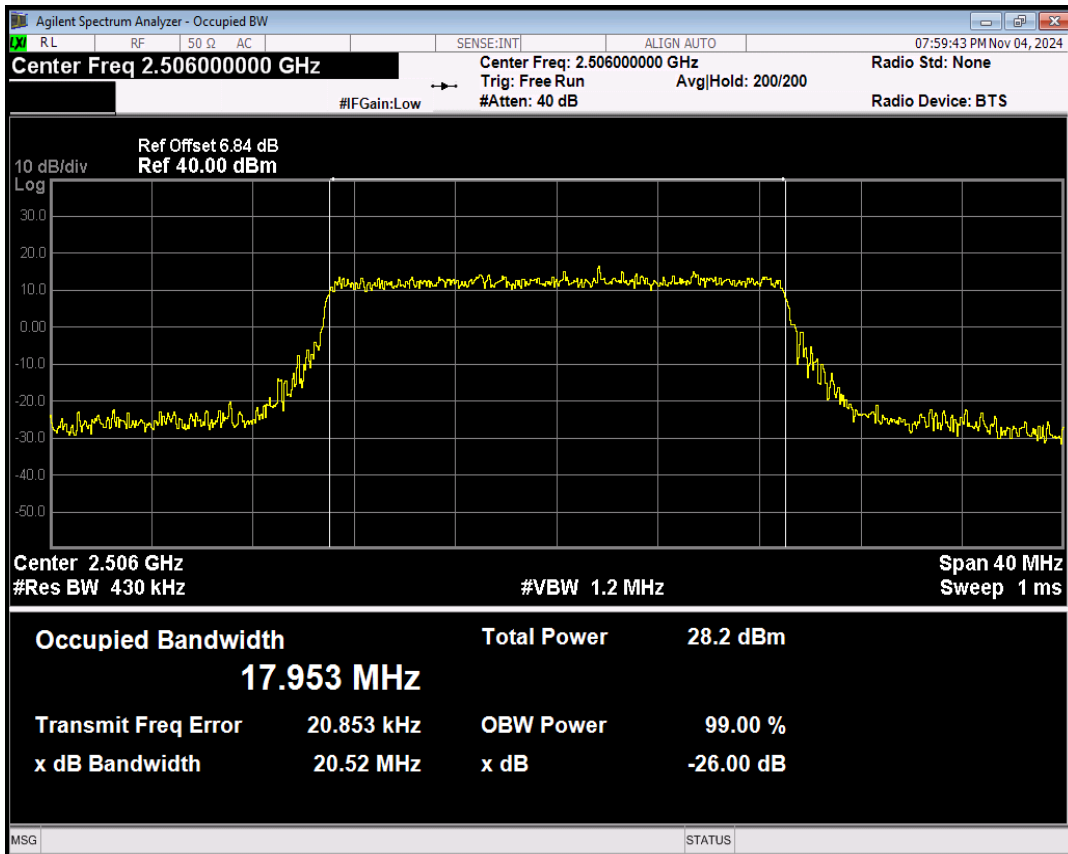
Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0



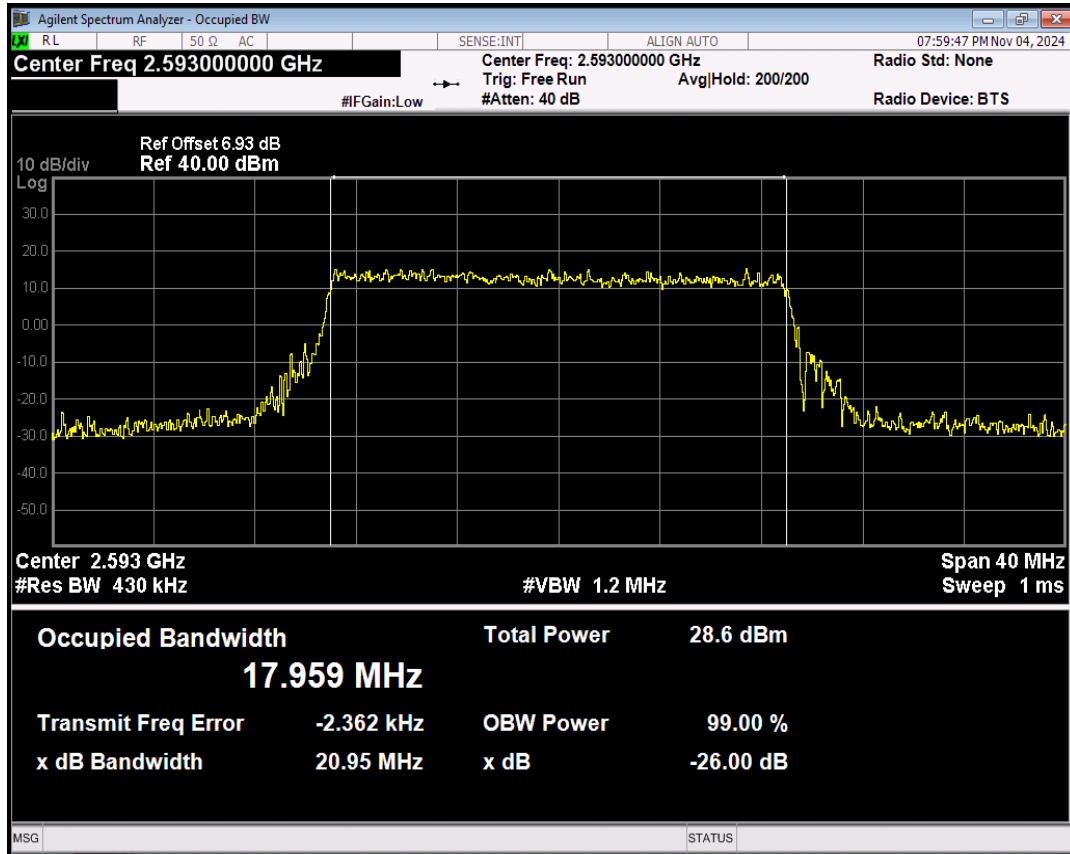
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



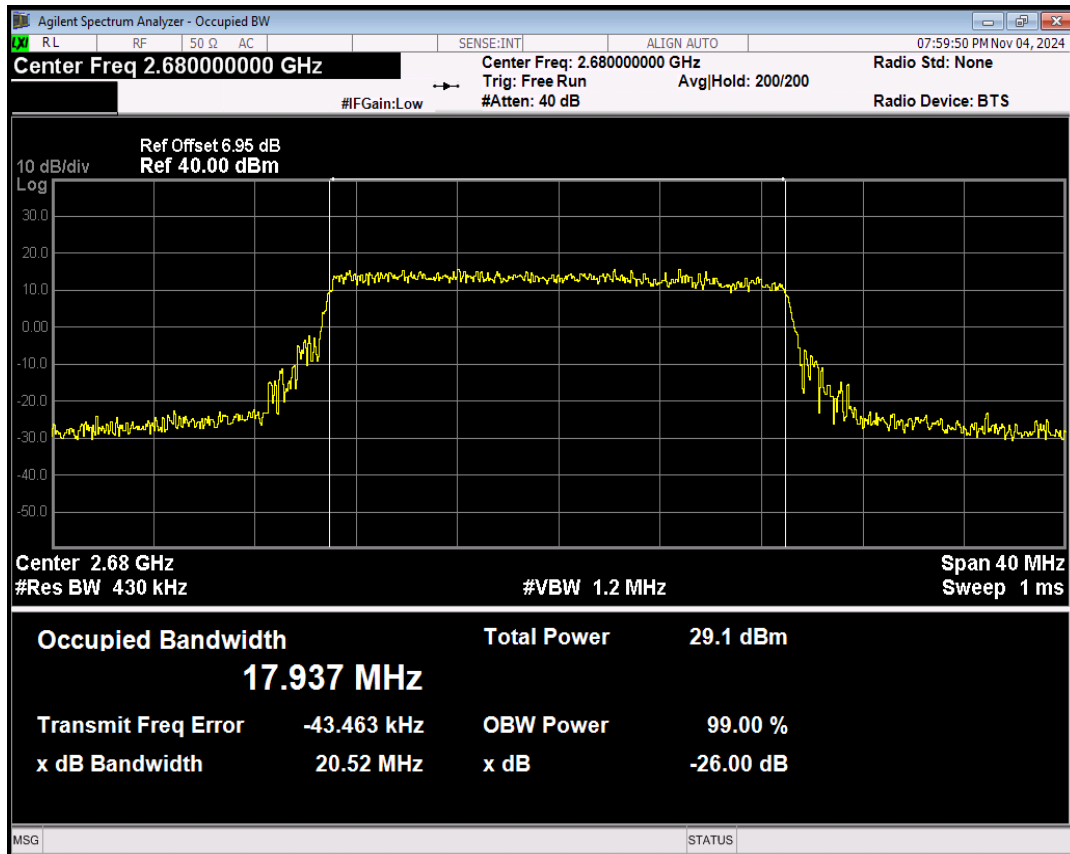
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0



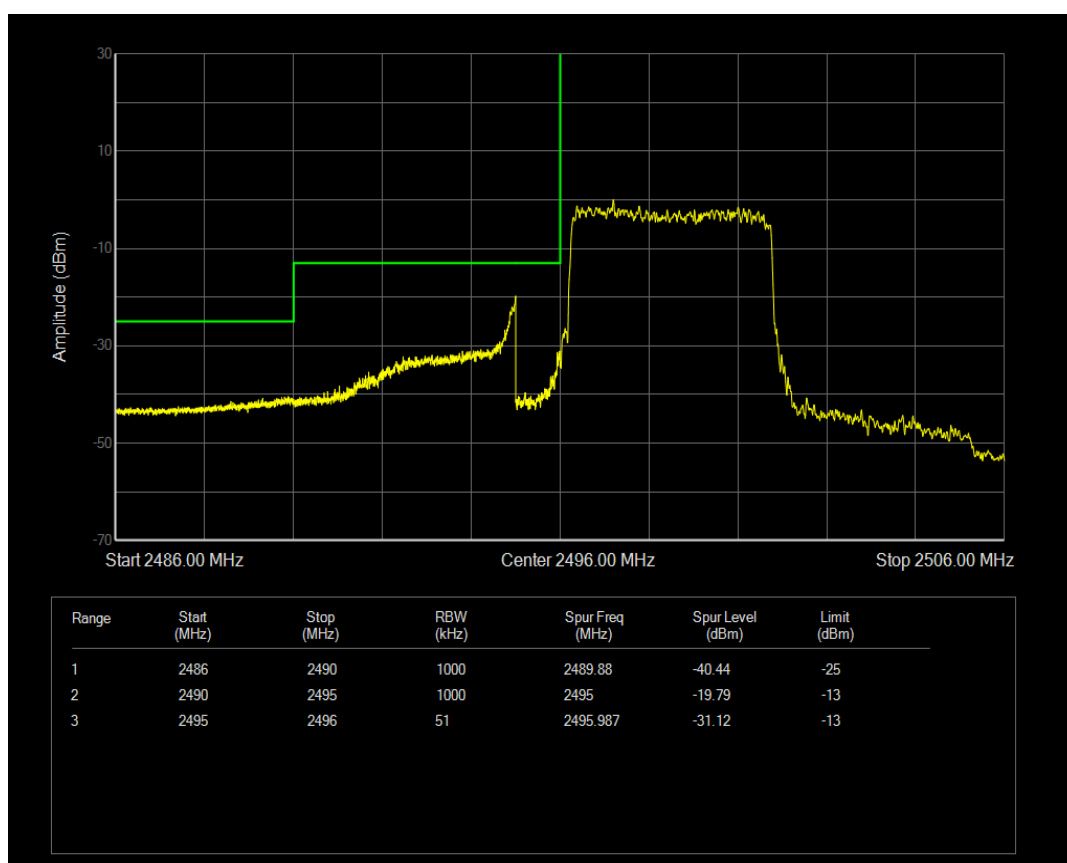
Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0



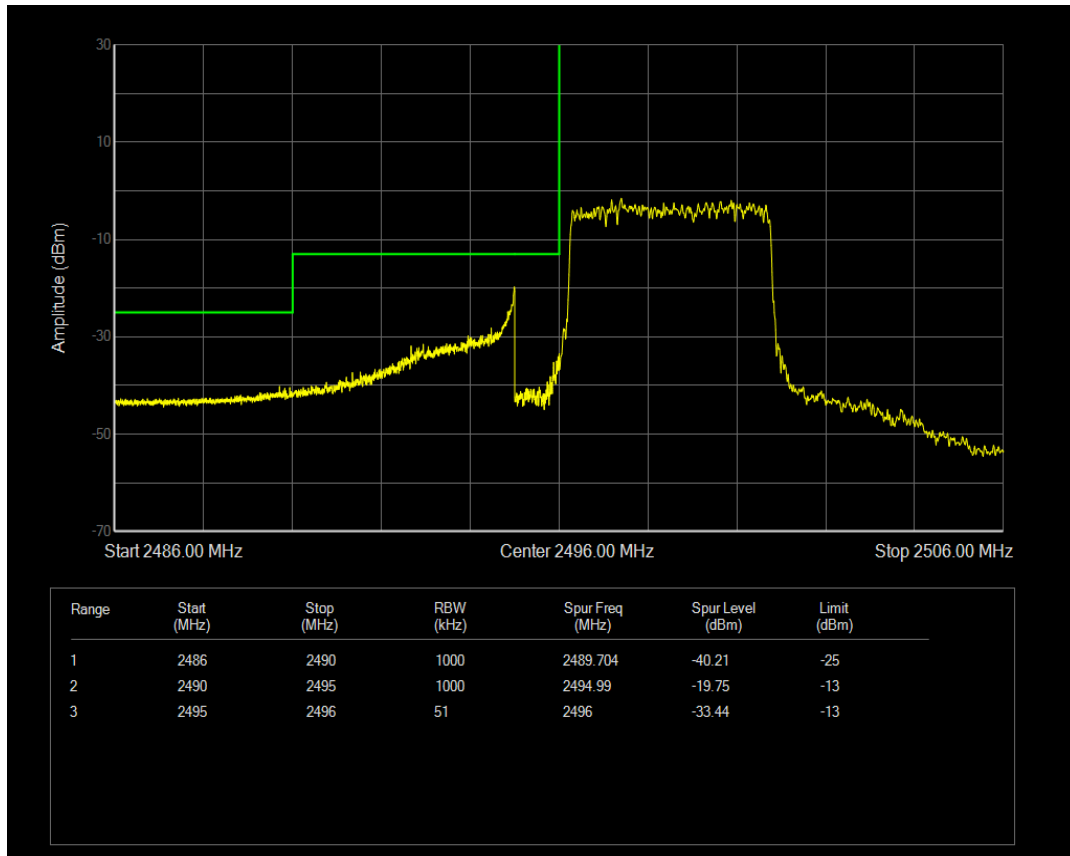
Appendix 5. Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41	5	39675	25	#0	QPSK	2495.00	-19.79	-13	PASS
Band41	5	39675	25	#0	16QAM	2494.99	-19.75	-13	PASS
Band41	5	41565	25	#0	QPSK	2691.01	-20.45	-10	PASS
Band41	5	41565	25	#0	16QAM	2691.02	-20.25	-10	PASS
Band41	10	39700	50	#0	QPSK	2485.85	-40.30	-25	PASS
Band41	10	41540	50	#0	QPSK	2700.51	-40.04	-25	PASS
Band41	15	39725	75	#0	QPSK	2494.89	-23.43	-13	PASS
Band41	15	41515	75	#0	QPSK	2691.10	-24.50	-10	PASS
Band41	20	39750	100	#0	QPSK	2495.94	-28.36	-13	PASS
Band41	20	41490	100	#0	QPSK	2690.03	-25.04	-10	PASS

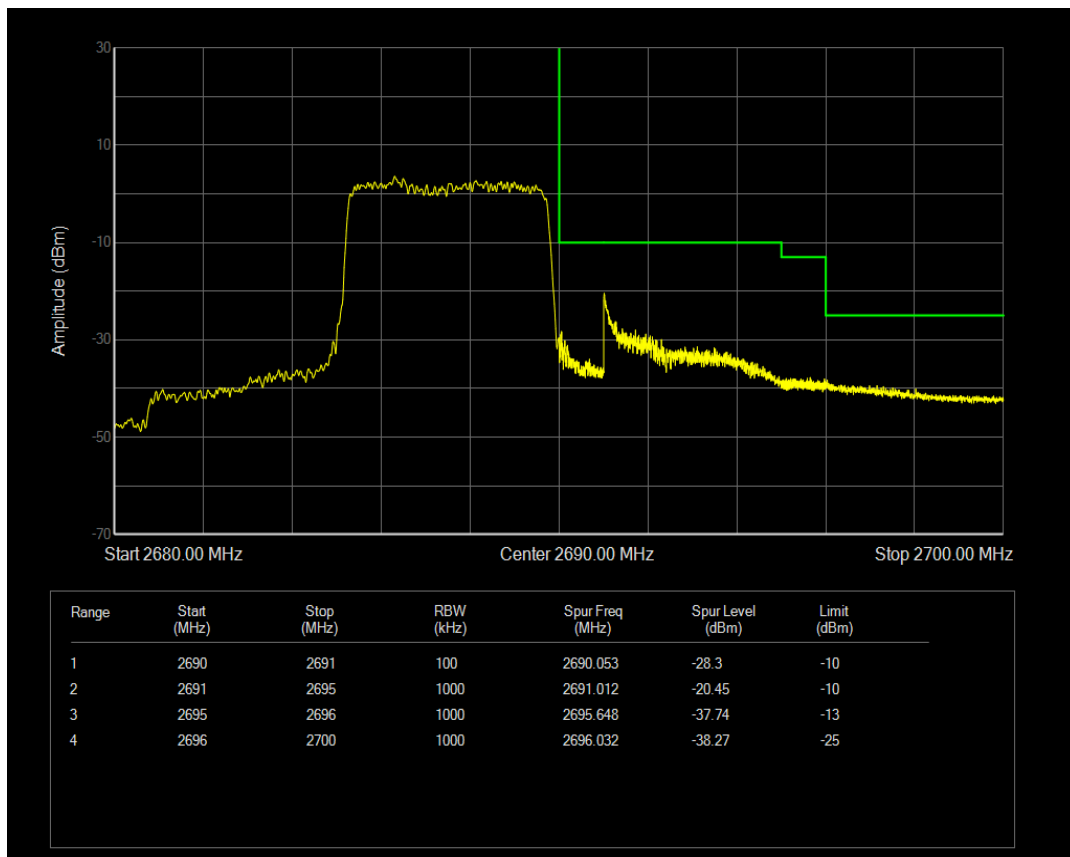
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0



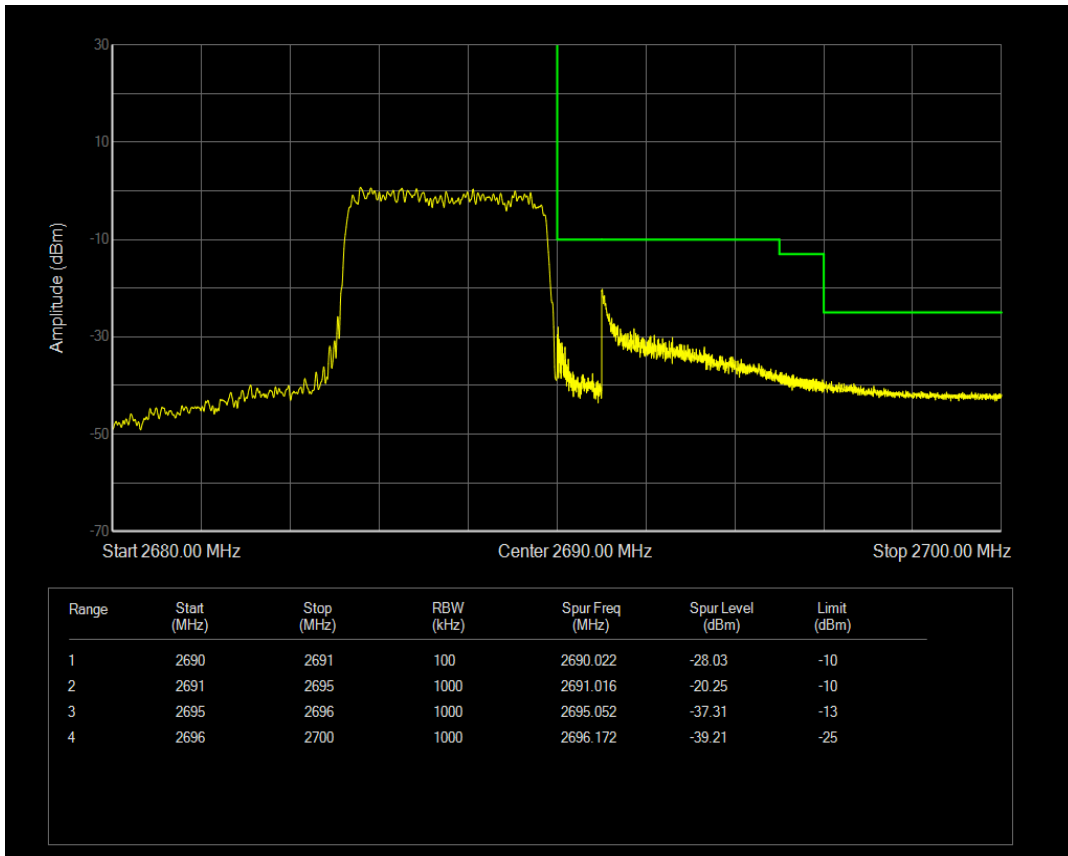
Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0



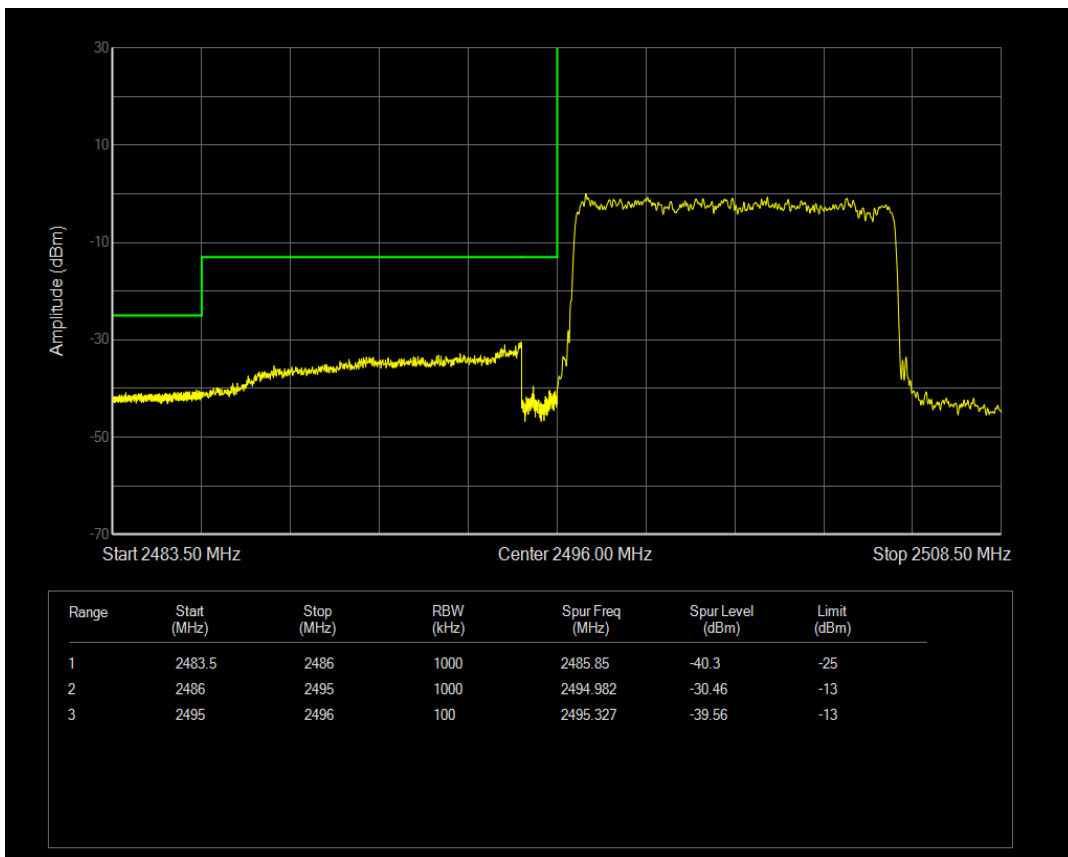
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



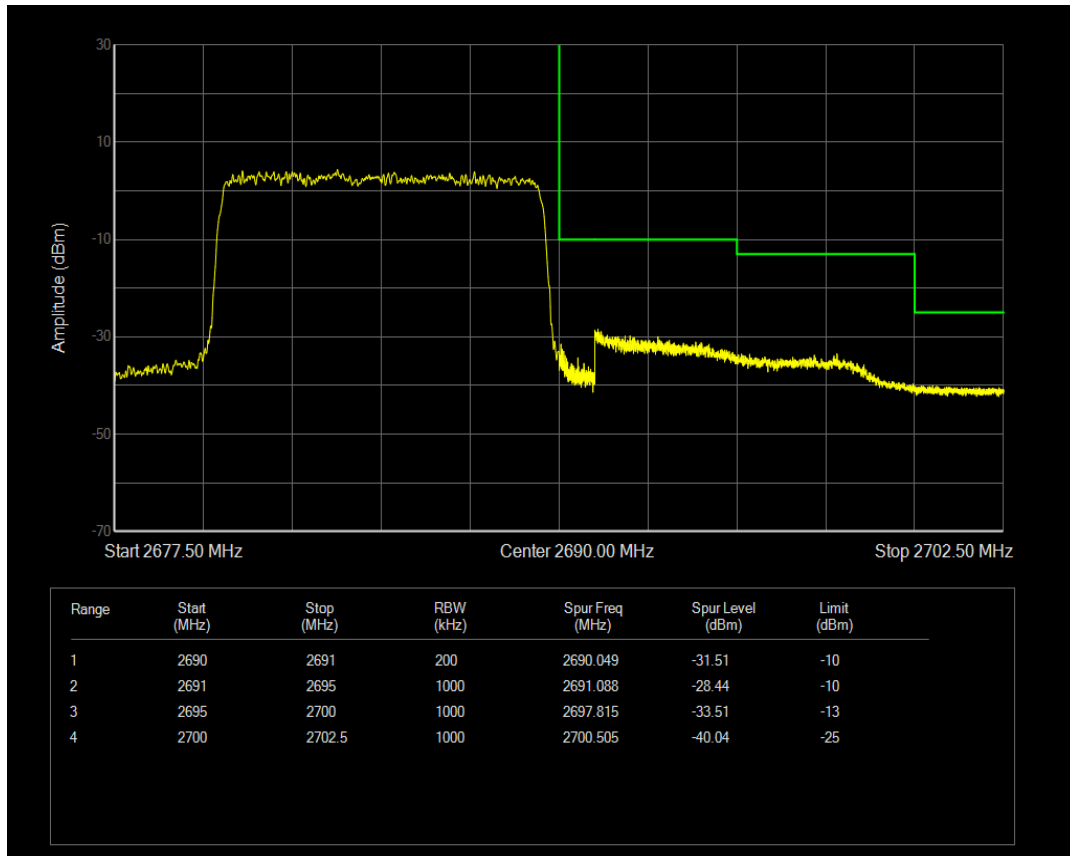
Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0



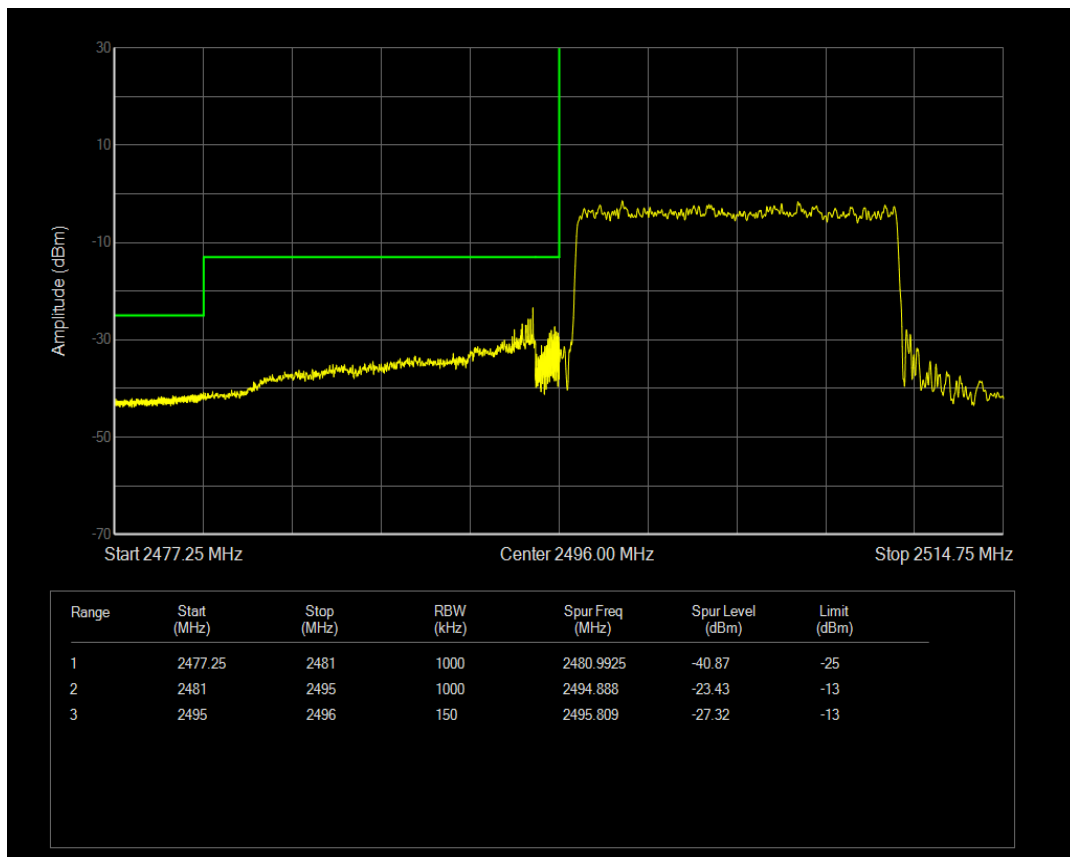
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



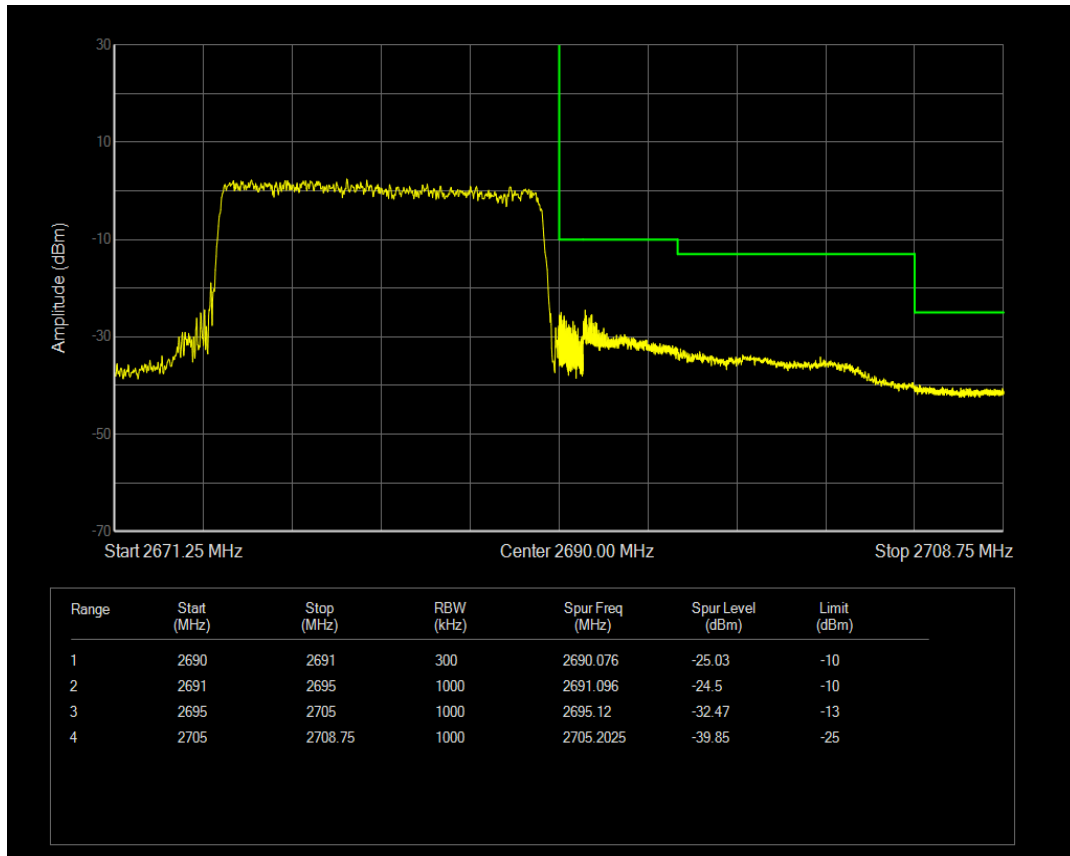
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



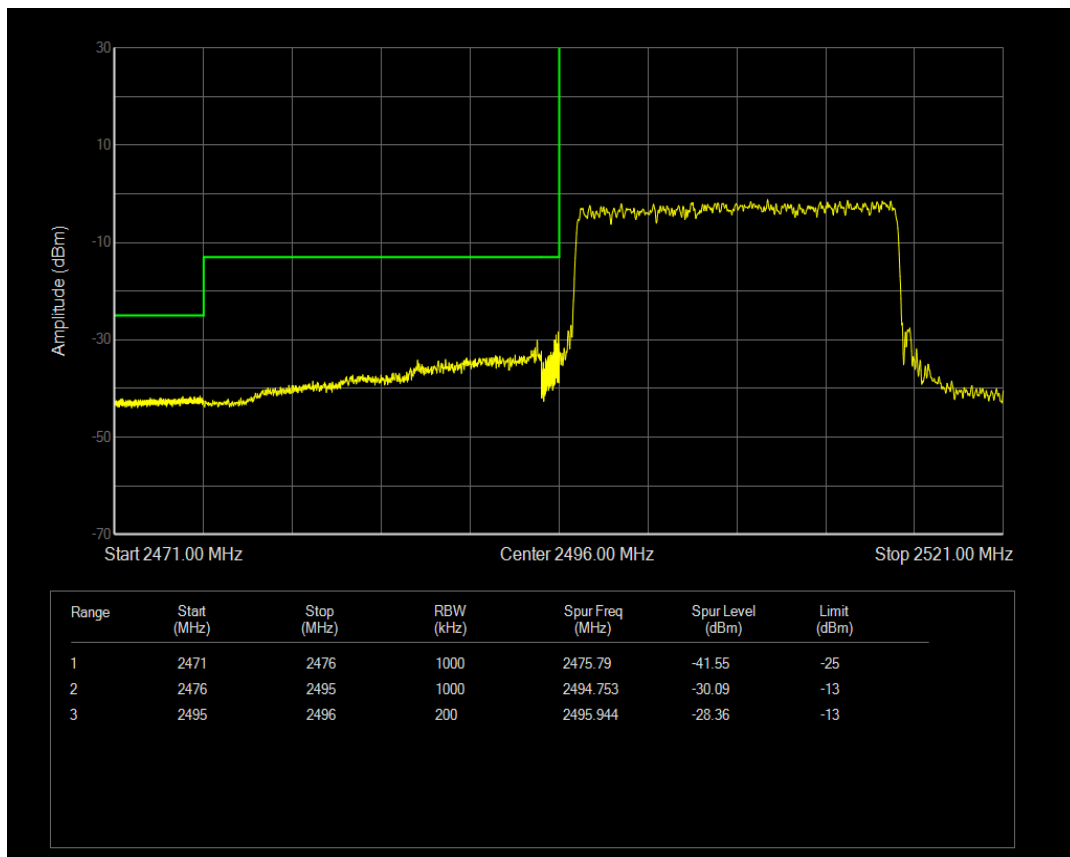
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



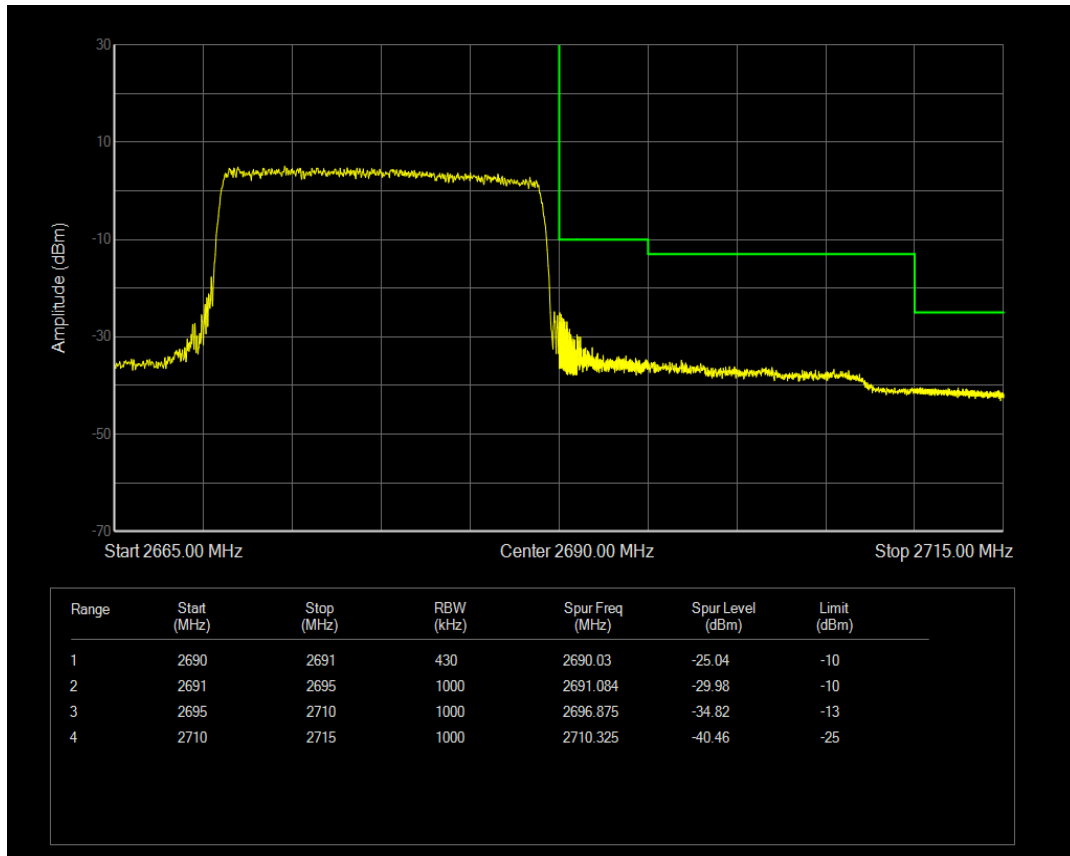
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



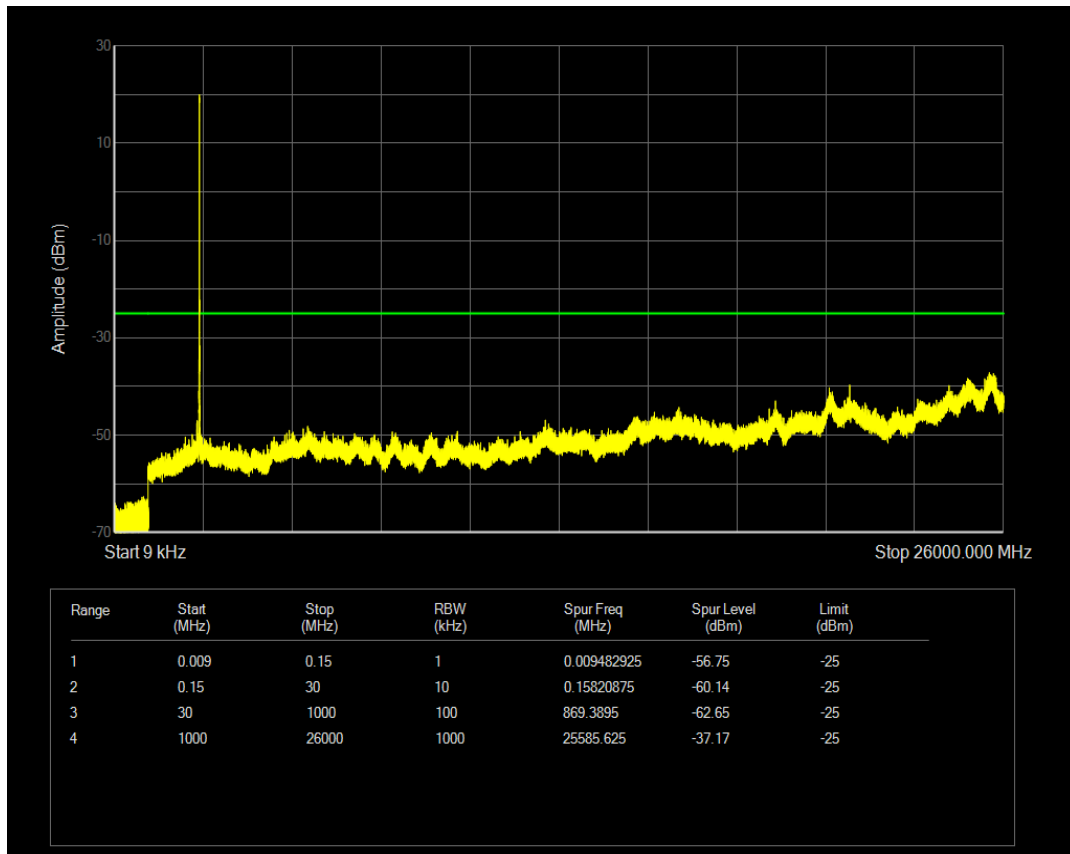
Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0



Appendix 6. Out-of-band emissions

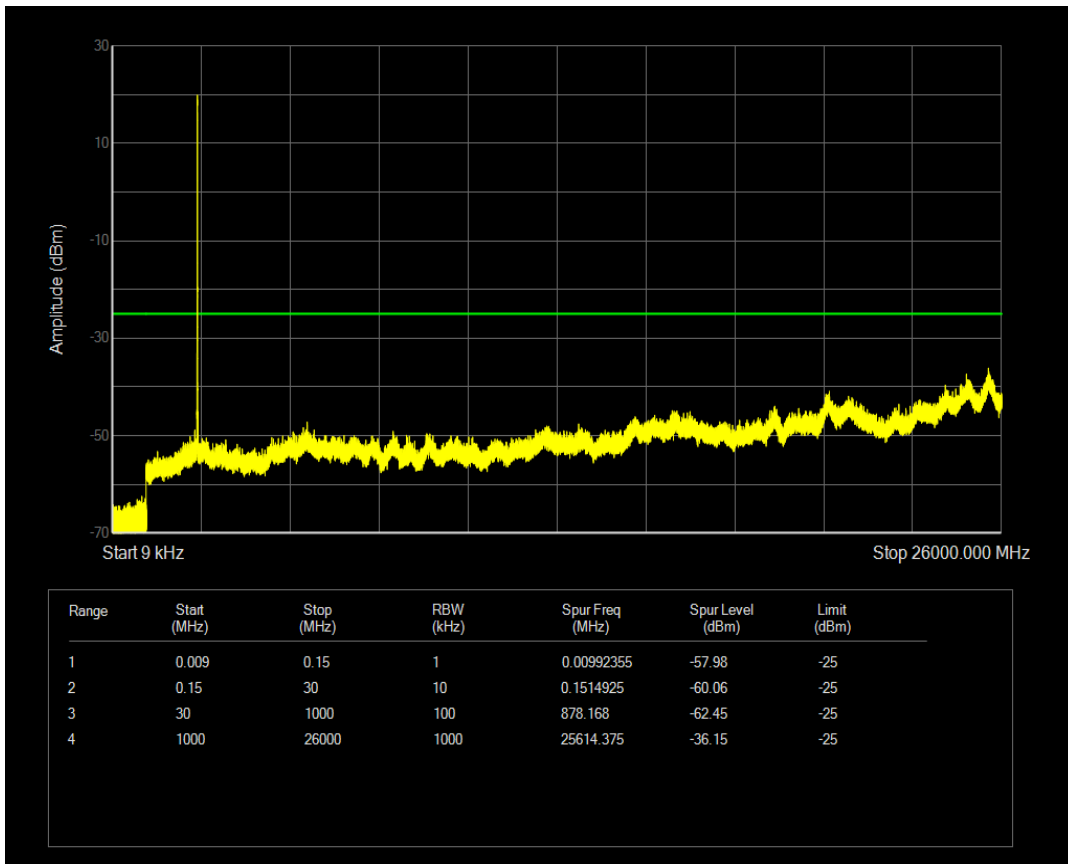
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41	5	39675	25	#0	QPSK	25585.63	-37.17	-25	PASS
Band41	5	39675	25	#0	16QAM	25614.38	-36.15	-25	PASS
Band41	5	40620	25	#0	QPSK	25711.88	-37.32	-25	PASS
Band41	5	40620	25	#0	16QAM	25647.50	-36.00	-25	PASS
Band41	5	41565	25	#0	QPSK	25649.38	-36.91	-25	PASS
Band41	5	41565	25	#0	16QAM	25663.13	-37.16	-25	PASS
Band41	10	39700	50	#0	QPSK	25630.00	-36.75	-25	PASS
Band41	10	40620	50	#0	QPSK	25620.00	-36.44	-25	PASS
Band41	10	41540	50	#0	QPSK	25662.50	-35.97	-25	PASS
Band41	15	39725	75	#0	QPSK	25630.63	-36.74	-25	PASS
Band41	15	40620	75	#0	QPSK	25590.00	-36.81	-25	PASS
Band41	15	41515	75	#0	QPSK	25678.75	-36.83	-25	PASS
Band41	20	39750	100	#0	QPSK	25668.75	-36.47	-25	PASS
Band41	20	40620	100	#0	QPSK	25598.75	-36.63	-25	PASS
Band41	20	41490	100	#0	QPSK	25545.00	-36.67	-25	PASS

Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0

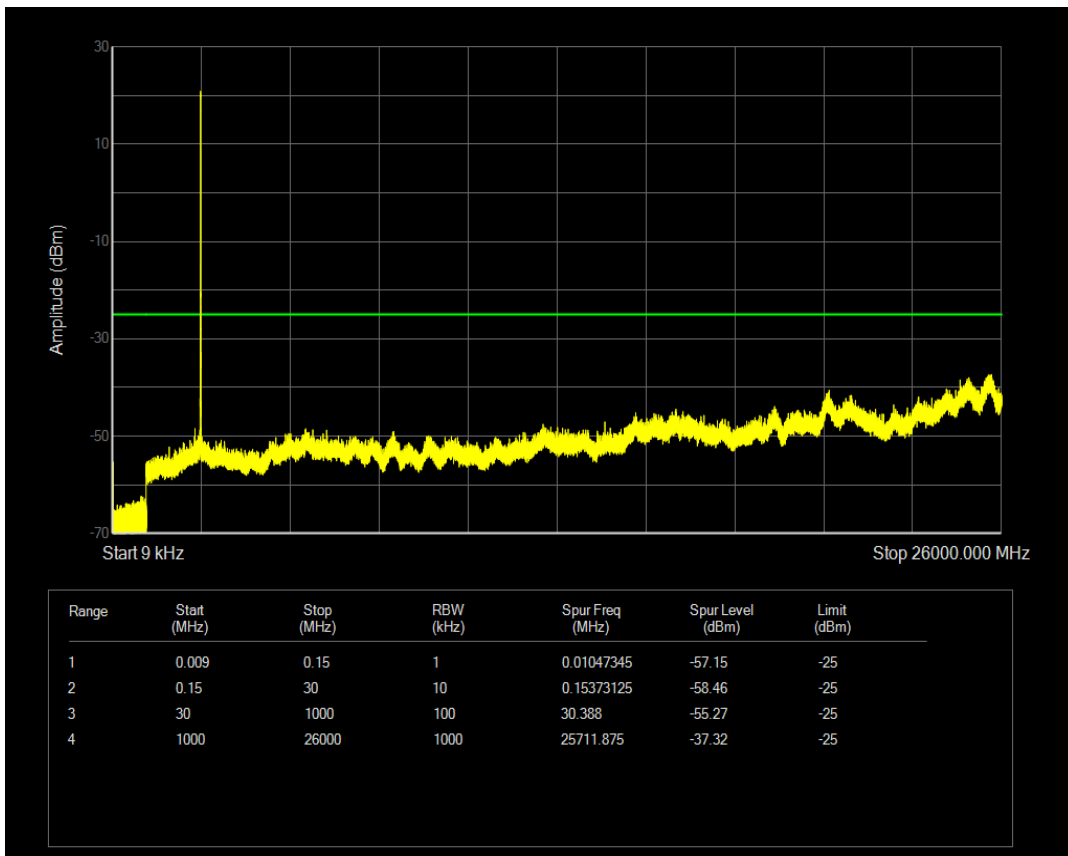




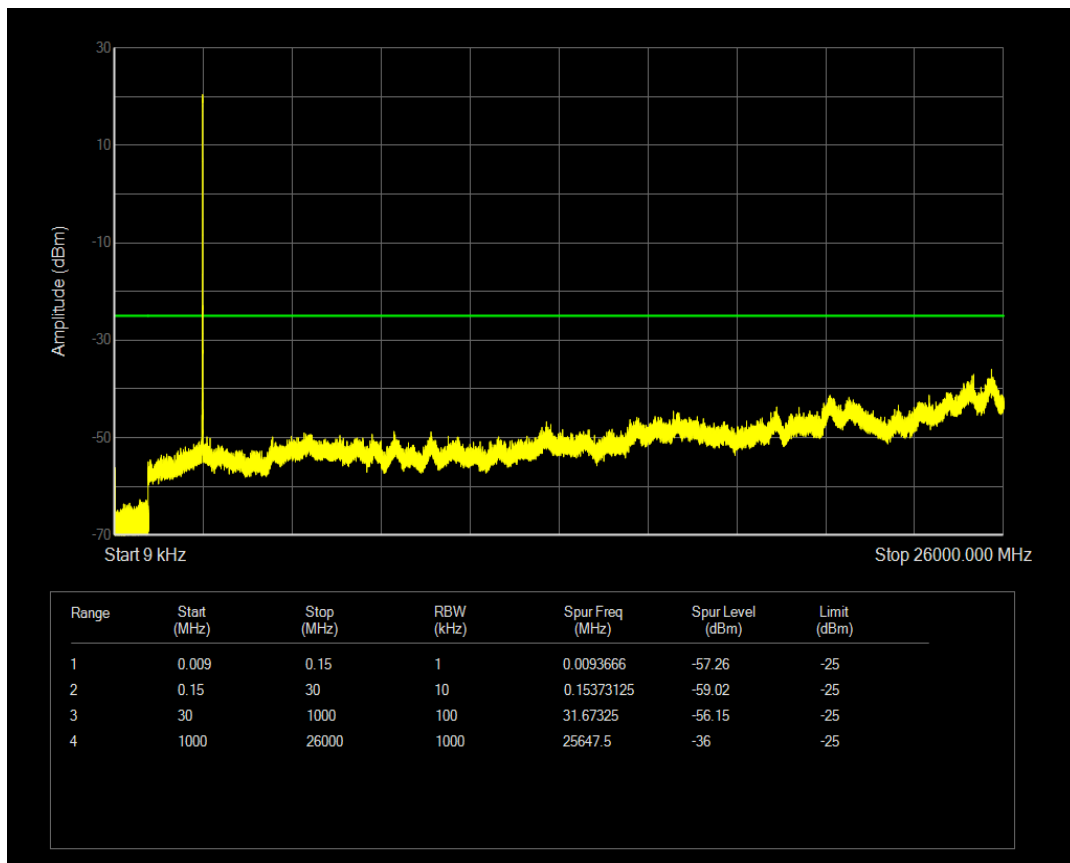
Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0



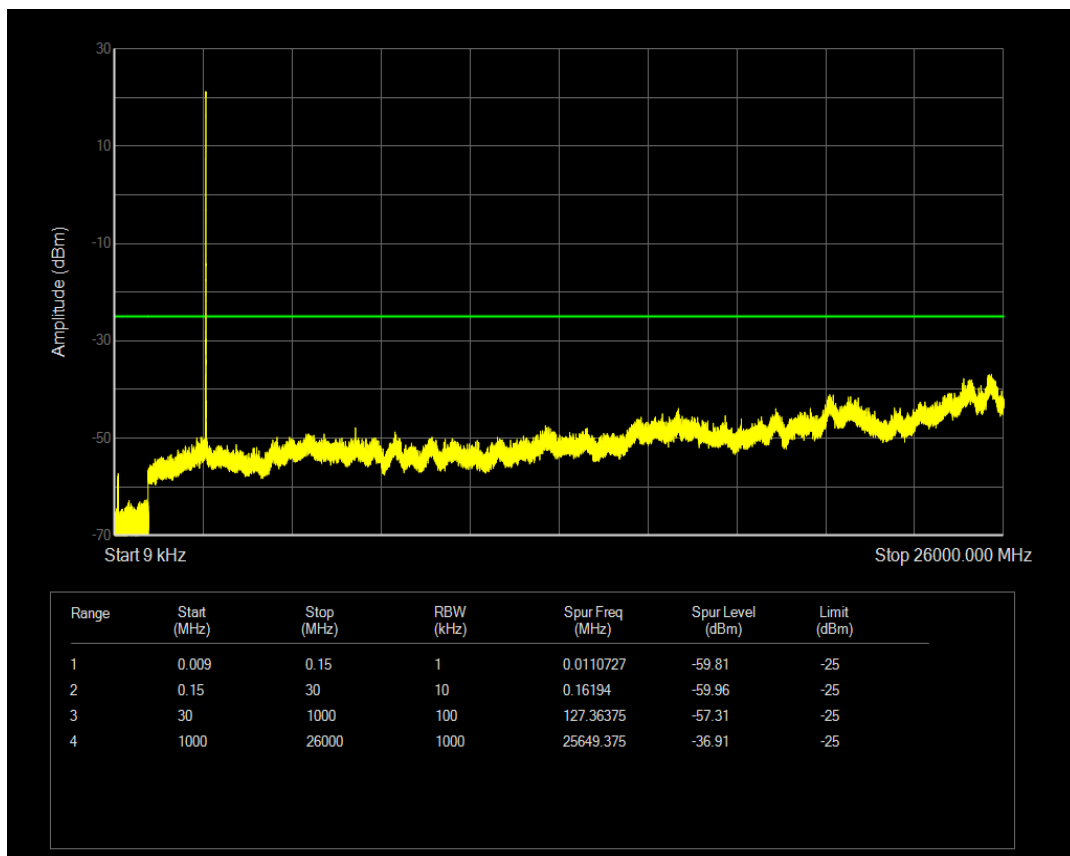
Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0



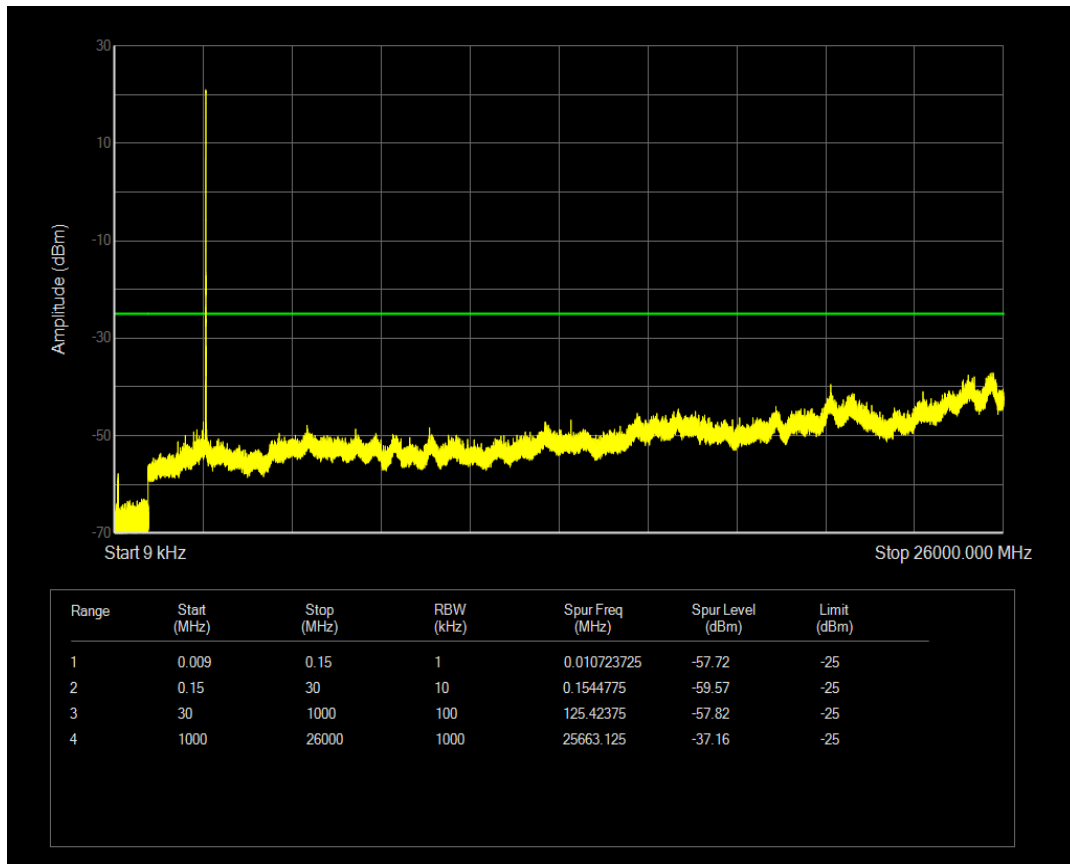
Band41 16QAM BW=5MHz Channel=40620 RB Size=25 Position=#0



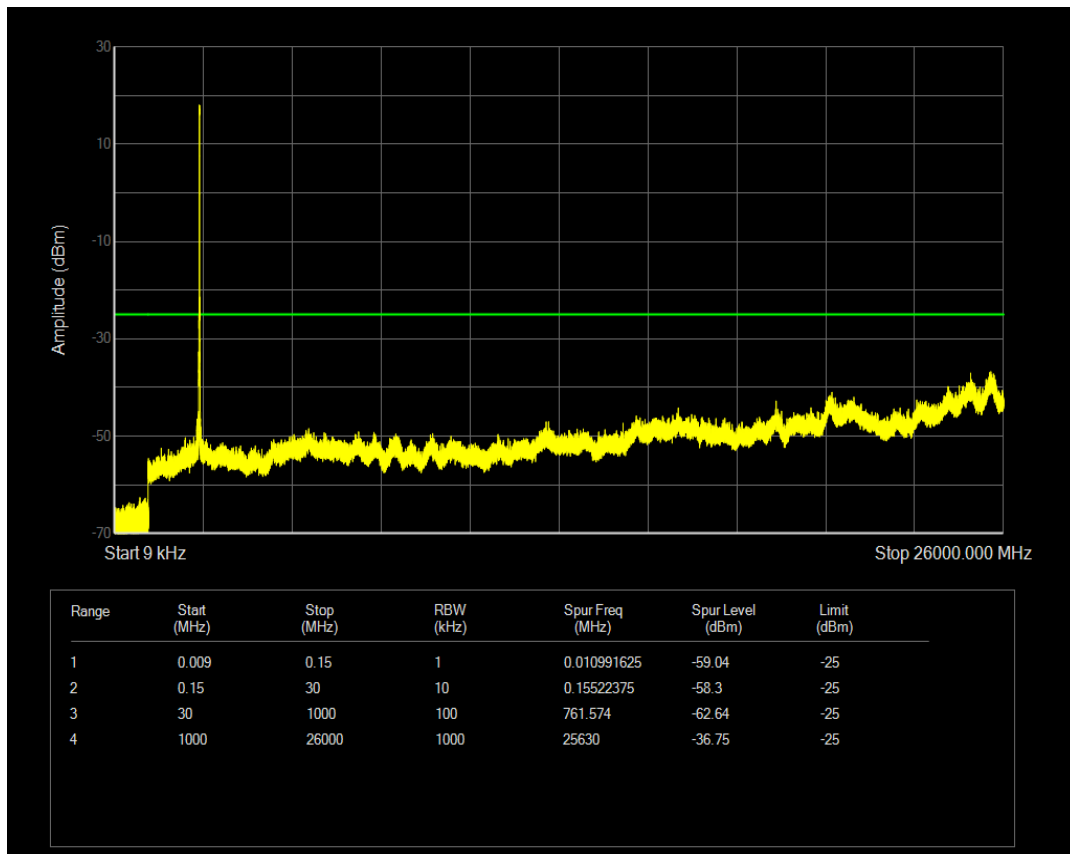
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



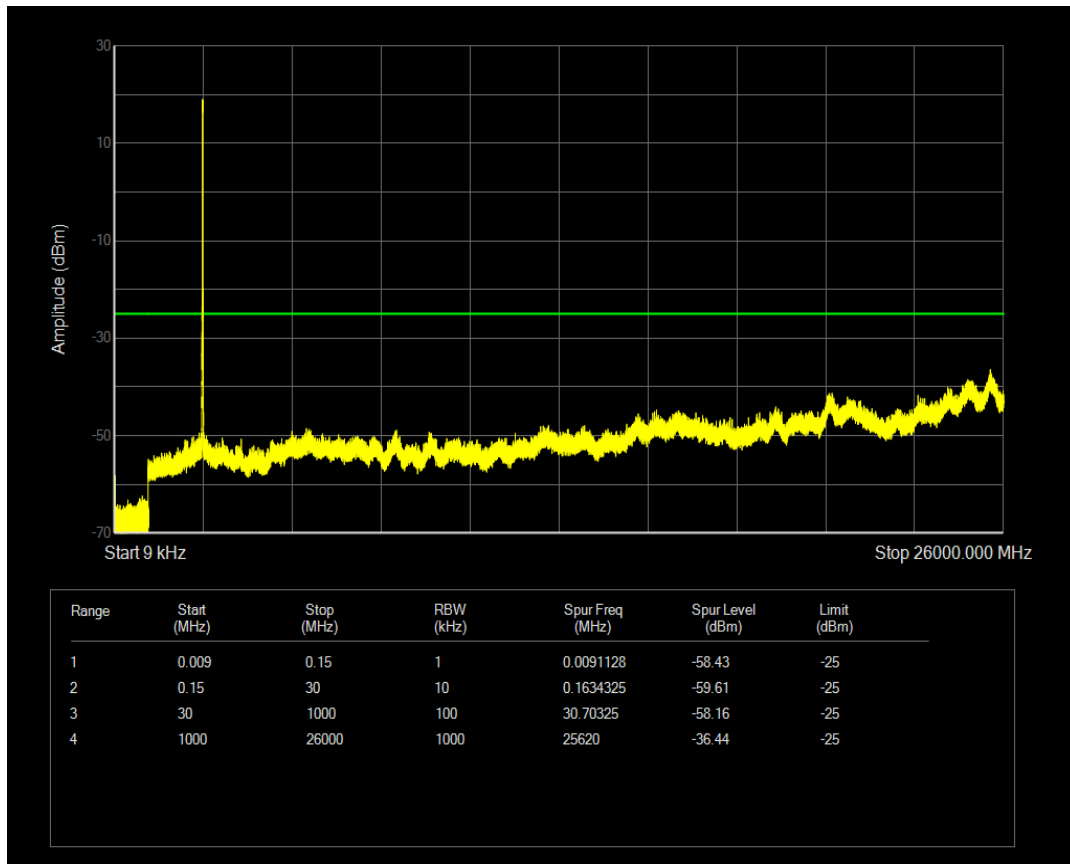
Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0



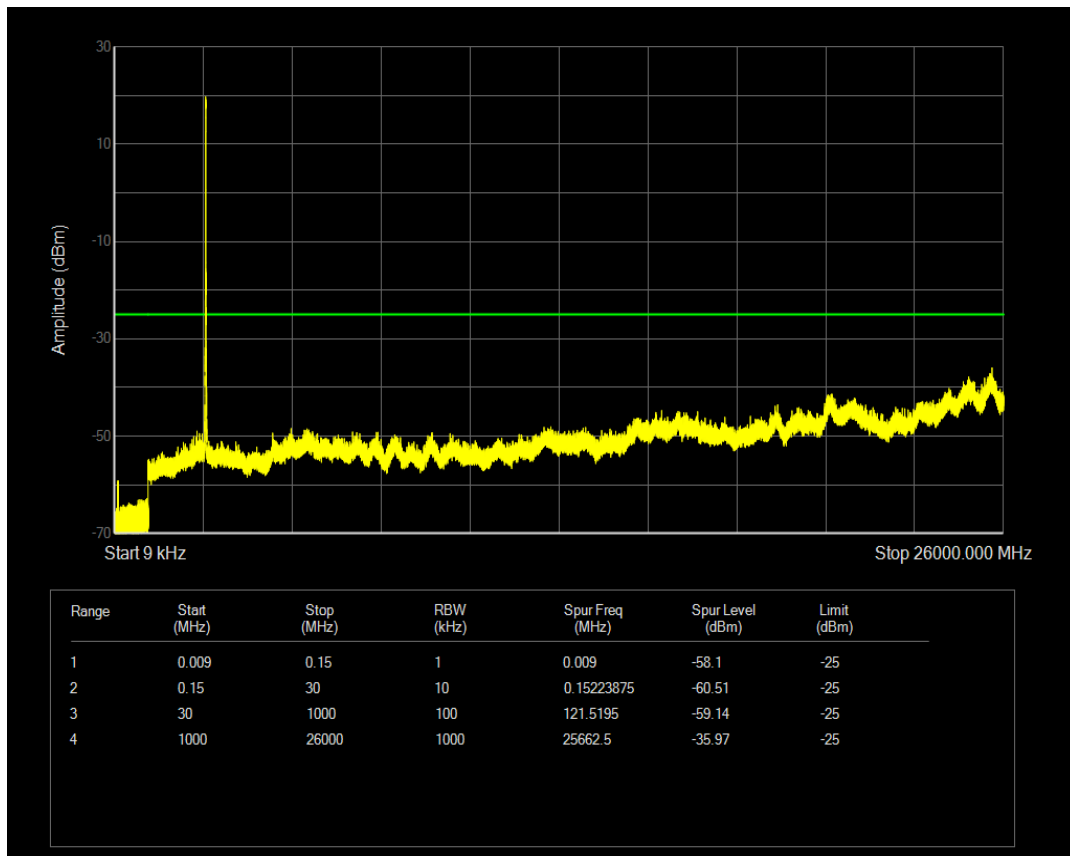
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



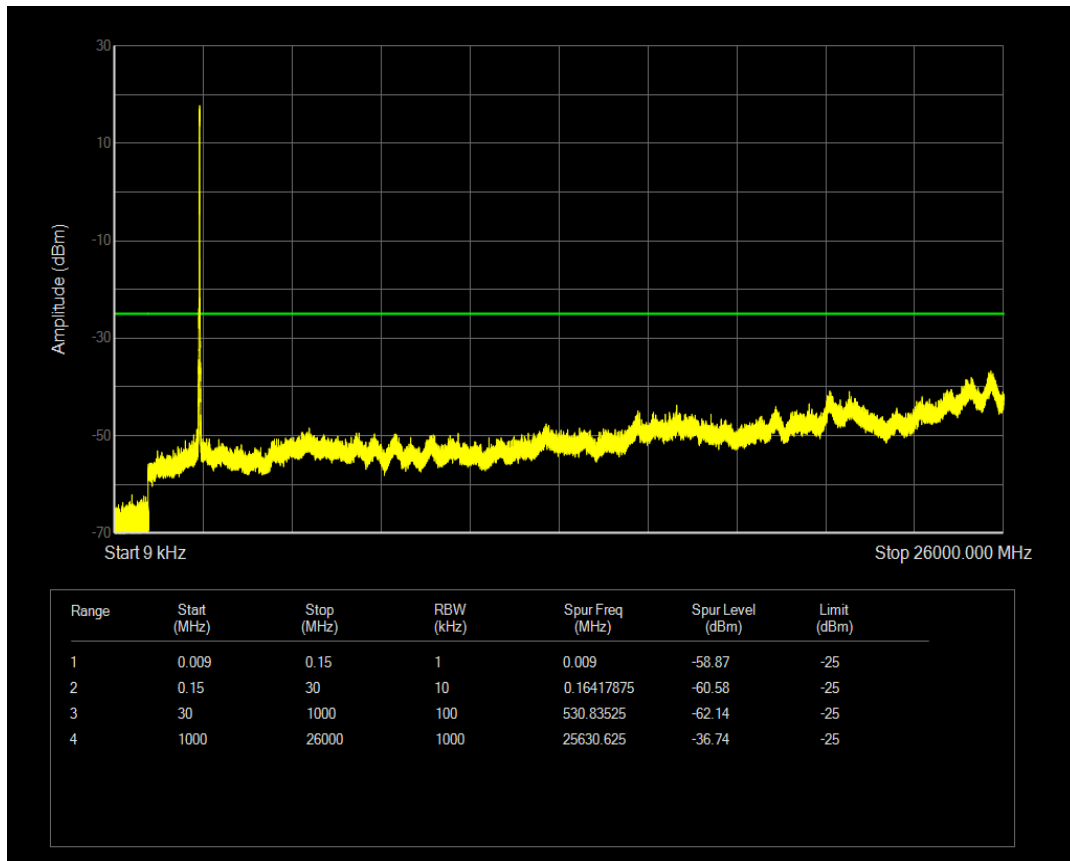
Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0



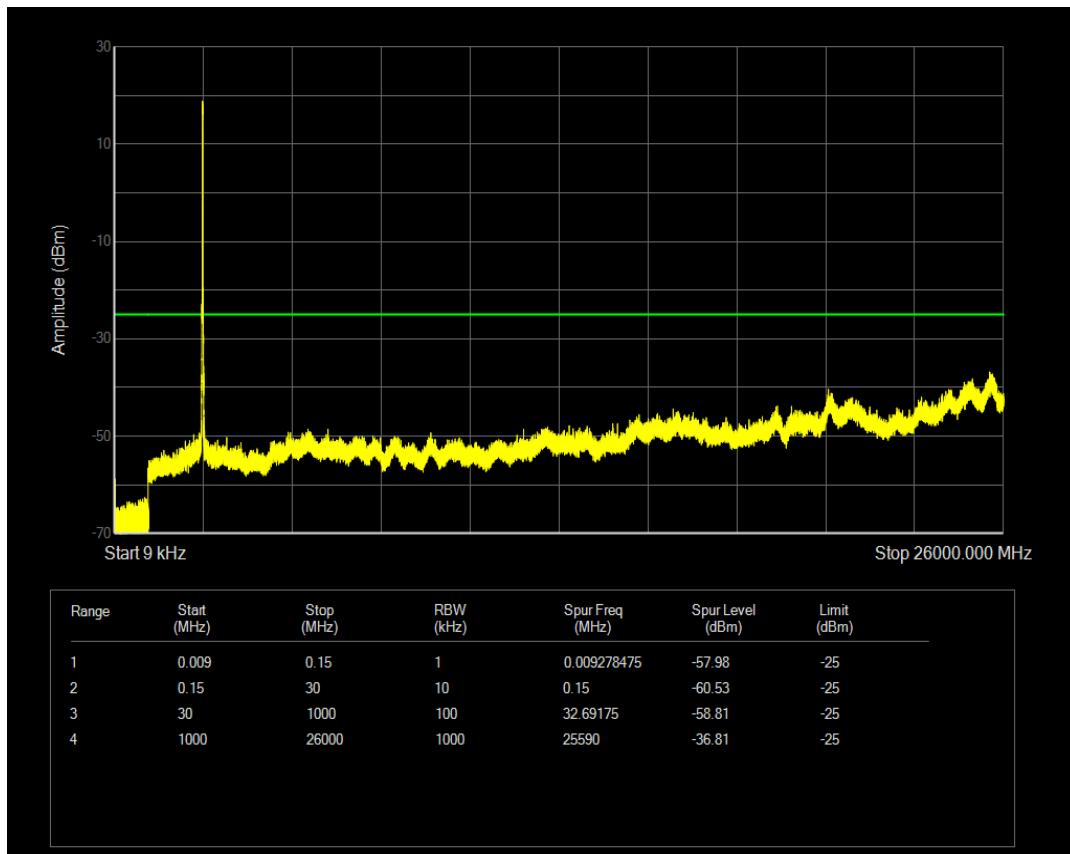
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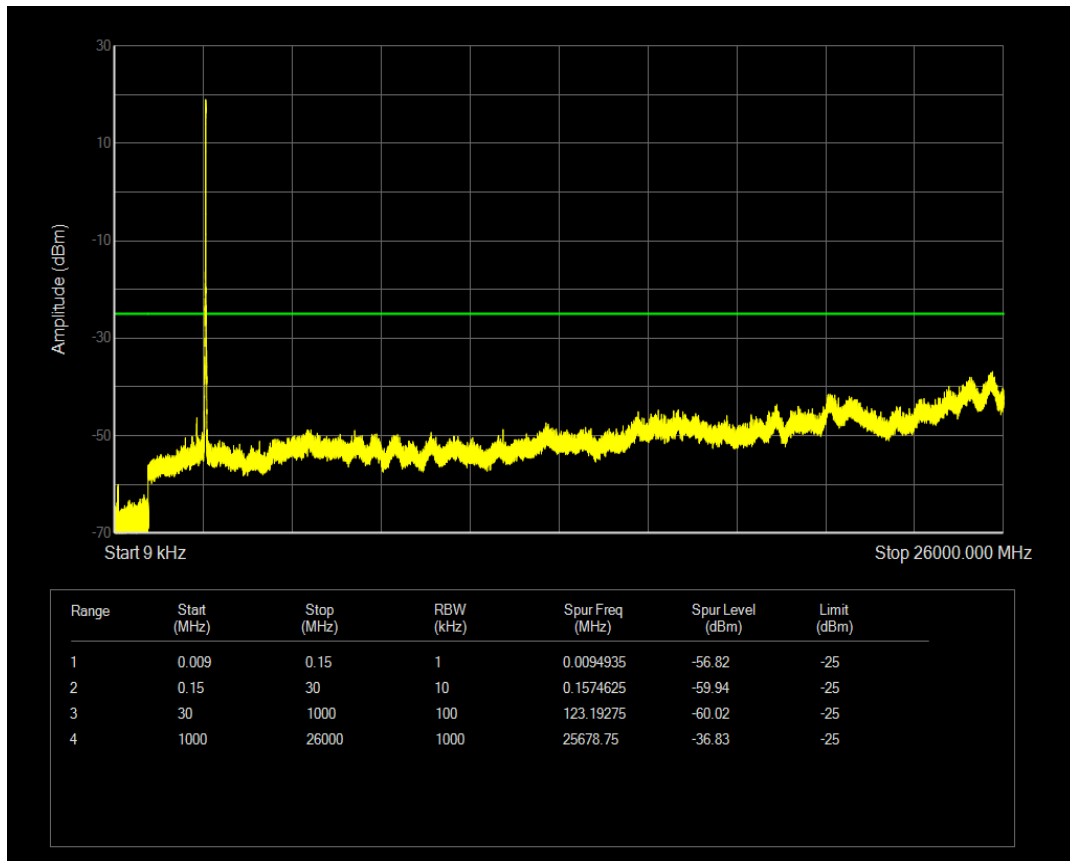
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



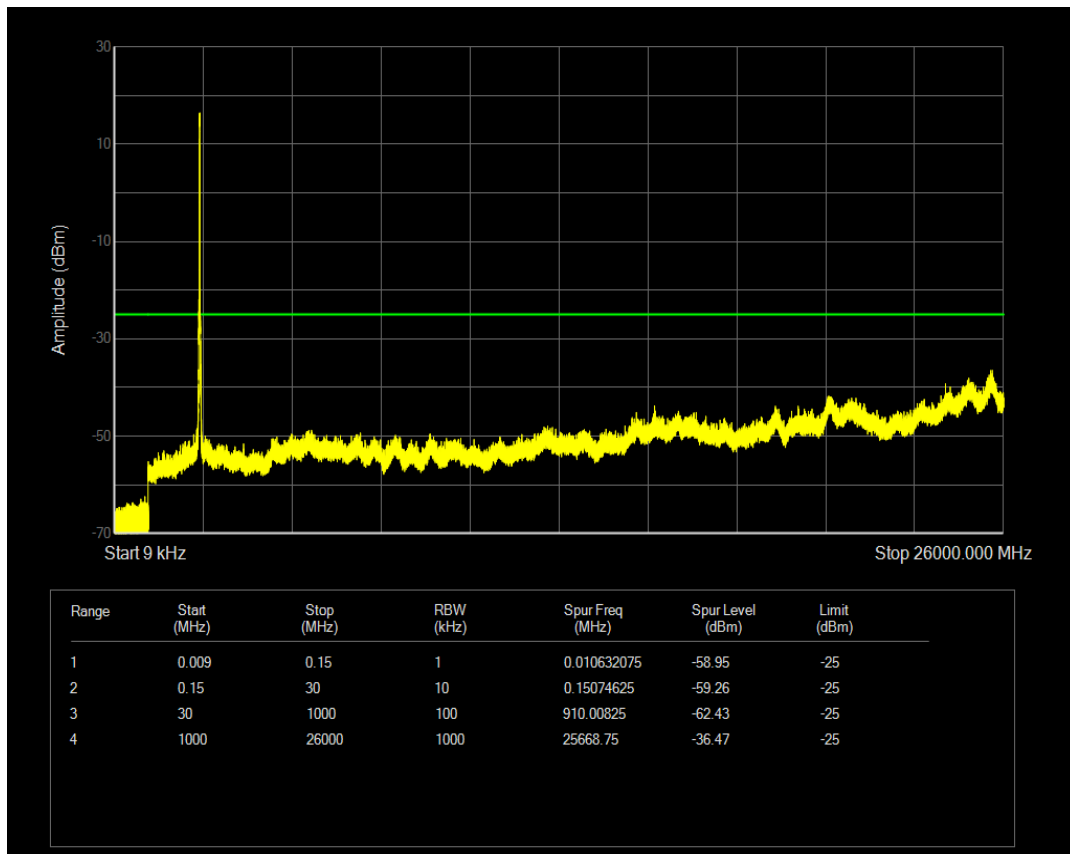
Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0



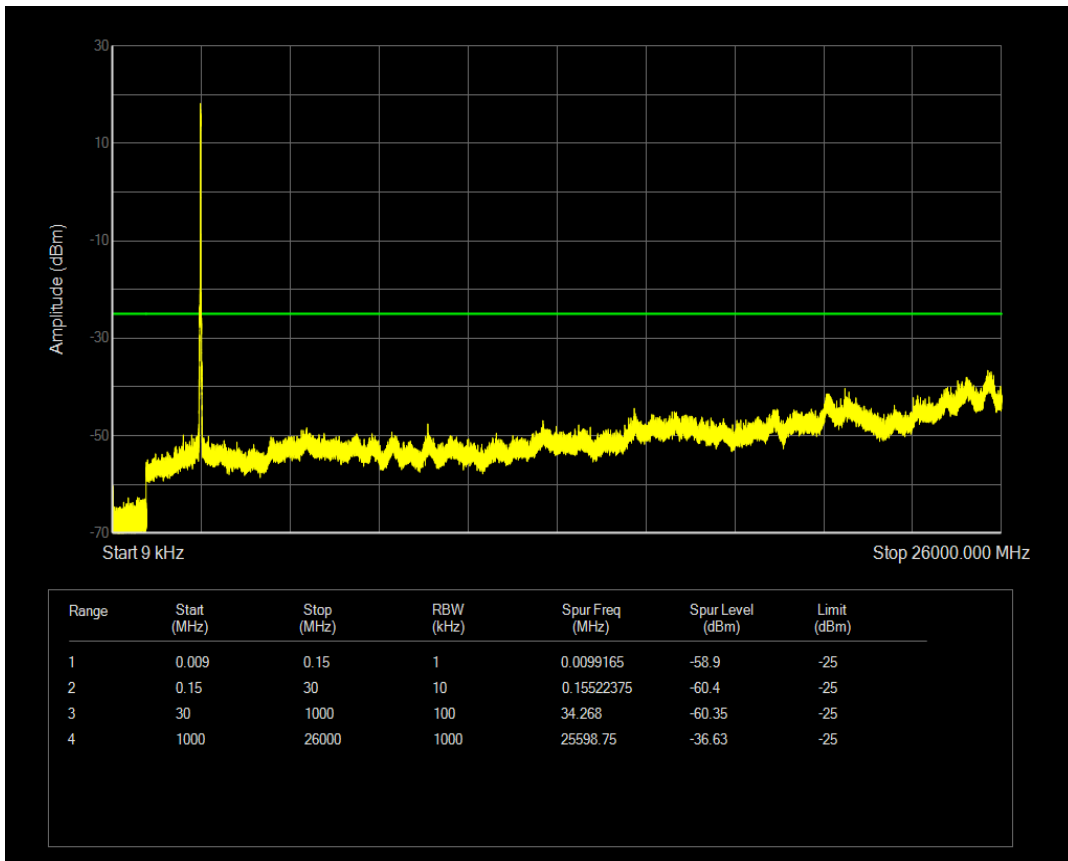
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0



Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0

