

Appendix for Band 41

Report No.: BCTC2504135595-3E

Applicant: Shanghai TUGE Data Technologies Co., Ltd.

Product Name: Smart IoT 4G Router

Test Model: TR40

Tested Date: 2025-04-03 to 2025-05-16

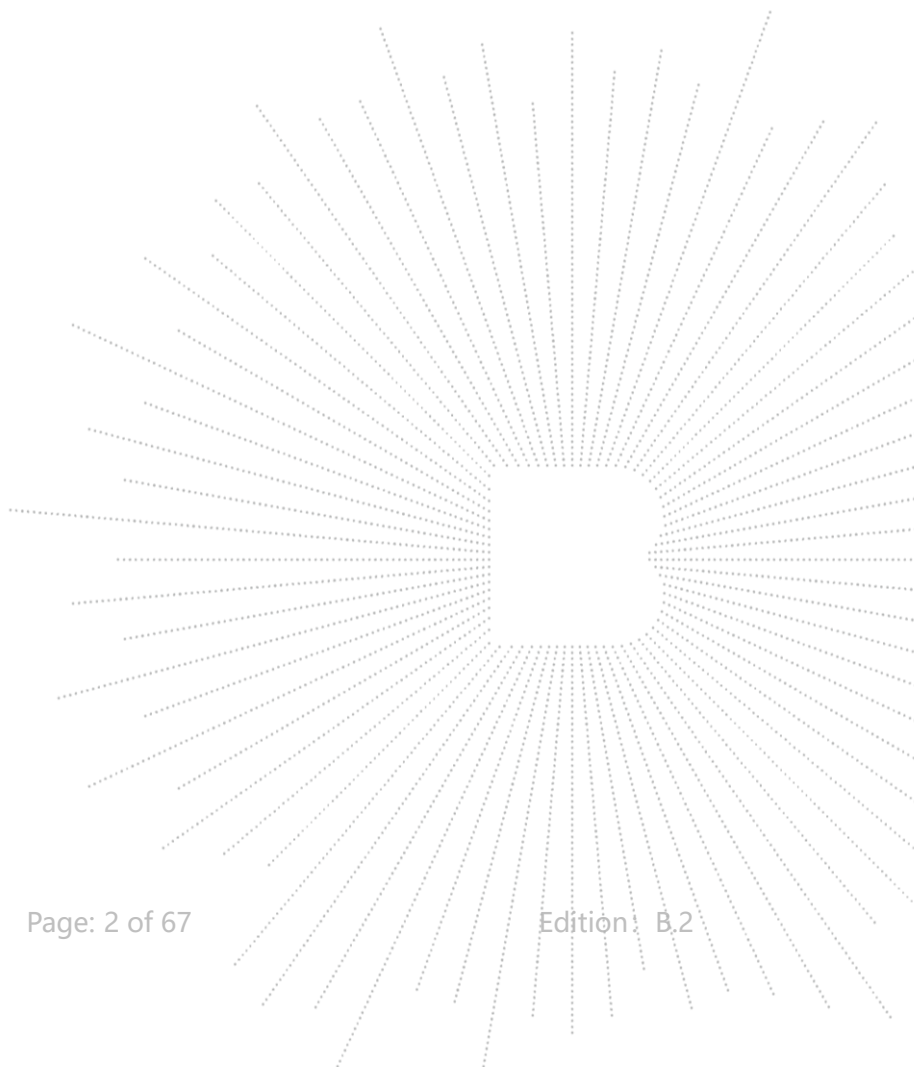
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Shenzhen BCTC Testing Co., Ltd.



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Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band41	5	39675	1	#0	QPSK	24.01	PASS
Band41	5	39675	1	#Mid	QPSK	24.02	PASS
Band41	5	39675	1	#Max	QPSK	24.02	PASS
Band41	5	39675	12	#0	QPSK	23.13	PASS
Band41	5	39675	12	#Mid	QPSK	23.15	PASS
Band41	5	39675	12	#Max	QPSK	23.23	PASS
Band41	5	39675	25	#0	QPSK	23.19	PASS
Band41	5	39675	1	#0	16QAM	23.51	PASS
Band41	5	39675	1	#Mid	16QAM	23.63	PASS
Band41	5	39675	1	#Max	16QAM	23.55	PASS
Band41	5	39675	12	#0	16QAM	22.29	PASS
Band41	5	39675	12	#Mid	16QAM	22.26	PASS
Band41	5	39675	12	#Max	16QAM	22.25	PASS
Band41	5	39675	25	#0	16QAM	22.45	PASS
Band41	5	40620	1	#0	QPSK	24.05	PASS
Band41	5	40620	1	#Mid	QPSK	24.01	PASS
Band41	5	40620	1	#Max	QPSK	24.01	PASS
Band41	5	40620	12	#0	QPSK	22.98	PASS
Band41	5	40620	12	#Mid	QPSK	23.00	PASS
Band41	5	40620	12	#Max	QPSK	22.96	PASS
Band41	5	40620	25	#0	QPSK	22.98	PASS
Band41	5	40620	1	#0	16QAM	22.65	PASS
Band41	5	40620	1	#Mid	16QAM	22.65	PASS
Band41	5	40620	1	#Max	16QAM	22.63	PASS
Band41	5	40620	12	#0	16QAM	22.04	PASS
Band41	5	40620	12	#Mid	16QAM	22.00	PASS
Band41	5	40620	12	#Max	16QAM	22.04	PASS
Band41	5	40620	25	#0	16QAM	22.34	PASS
Band41	5	41565	1	#0	QPSK	22.21	PASS
Band41	5	41565	1	#Mid	QPSK	22.61	PASS
Band41	5	41565	1	#Max	QPSK	22.00	PASS
Band41	5	41565	12	#0	QPSK	22.47	PASS
Band41	5	41565	12	#Mid	QPSK	22.56	PASS
Band41	5	41565	12	#Max	QPSK	22.36	PASS
Band41	5	41565	25	#0	QPSK	22.42	PASS
Band41	5	41565	1	#0	16QAM	22.40	PASS
Band41	5	41565	1	#Mid	16QAM	22.79	PASS
Band41	5	41565	1	#Max	16QAM	22.23	PASS
Band41	5	41565	12	#0	16QAM	22.20	PASS
Band41	5	41565	12	#Mid	16QAM	22.17	PASS

Band41	5	41565	12	#Max	16QAM	22.15	PASS
Band41	5	41565	25	#0	16QAM	22.44	PASS
Band41	10	39700	1	#0	QPSK	24.25	PASS
Band41	10	39700	1	#Mid	QPSK	24.27	PASS
Band41	10	39700	1	#Max	QPSK	24.36	PASS
Band41	10	39700	25	#0	QPSK	23.22	PASS
Band41	10	39700	25	#Mid	QPSK	23.17	PASS
Band41	10	39700	25	#Max	QPSK	23.36	PASS
Band41	10	39700	50	#0	QPSK	23.19	PASS
Band41	10	39700	1	#0	16QAM	23.76	PASS
Band41	10	39700	1	#Mid	16QAM	23.77	PASS
Band41	10	39700	1	#Max	16QAM	23.87	PASS
Band41	10	39700	25	#0	16QAM	22.26	PASS
Band41	10	39700	25	#Mid	16QAM	22.36	PASS
Band41	10	39700	25	#Max	16QAM	22.38	PASS
Band41	10	39700	50	#0	16QAM	22.42	PASS
Band41	10	40620	1	#0	QPSK	24.11	PASS
Band41	10	40620	1	#Mid	QPSK	24.08	PASS
Band41	10	40620	1	#Max	QPSK	24.23	PASS
Band41	10	40620	25	#0	QPSK	22.92	PASS
Band41	10	40620	25	#Mid	QPSK	22.99	PASS
Band41	10	40620	25	#Max	QPSK	22.96	PASS
Band41	10	40620	50	#0	QPSK	23.07	PASS
Band41	10	40620	1	#0	16QAM	22.84	PASS
Band41	10	40620	1	#Mid	16QAM	22.86	PASS
Band41	10	40620	1	#Max	16QAM	22.85	PASS
Band41	10	40620	25	#0	16QAM	22.16	PASS
Band41	10	40620	25	#Mid	16QAM	22.18	PASS
Band41	10	40620	25	#Max	16QAM	22.16	PASS
Band41	10	40620	50	#0	16QAM	22.21	PASS
Band41	10	41540	1	#0	QPSK	22.44	PASS
Band41	10	41540	1	#Mid	QPSK	22.60	PASS
Band41	10	41540	1	#Max	QPSK	22.58	PASS
Band41	10	41540	25	#0	QPSK	22.61	PASS
Band41	10	41540	25	#Mid	QPSK	22.63	PASS
Band41	10	41540	25	#Max	QPSK	22.67	PASS
Band41	10	41540	50	#0	QPSK	22.62	PASS
Band41	10	41540	1	#0	16QAM	22.35	PASS
Band41	10	41540	1	#Mid	16QAM	22.52	PASS
Band41	10	41540	1	#Max	16QAM	22.50	PASS
Band41	10	41540	25	#0	16QAM	22.47	PASS
Band41	10	41540	25	#Mid	16QAM	22.49	PASS
Band41	10	41540	25	#Max	16QAM	22.44	PASS
Band41	10	41540	50	#0	16QAM	22.28	PASS

Band41	15	39725	1	#0	QPSK	24.29	PASS
Band41	15	39725	1	#Mid	QPSK	24.39	PASS
Band41	15	39725	1	#Max	QPSK	24.34	PASS
Band41	15	39725	36	#0	QPSK	23.25	PASS
Band41	15	39725	36	#Mid	QPSK	23.27	PASS
Band41	15	39725	36	#Max	QPSK	23.15	PASS
Band41	15	39725	75	#0	QPSK	23.30	PASS
Band41	15	39725	1	#0	16QAM	23.80	PASS
Band41	15	39725	1	#Mid	16QAM	23.74	PASS
Band41	15	39725	1	#Max	16QAM	23.88	PASS
Band41	15	39725	36	#0	16QAM	22.30	PASS
Band41	15	39725	36	#Mid	16QAM	22.33	PASS
Band41	15	39725	36	#Max	16QAM	22.41	PASS
Band41	15	39725	75	#0	16QAM	22.31	PASS
Band41	15	40620	1	#0	QPSK	24.16	PASS
Band41	15	40620	1	#Mid	QPSK	24.15	PASS
Band41	15	40620	1	#Max	QPSK	24.11	PASS
Band41	15	40620	36	#0	QPSK	23.05	PASS
Band41	15	40620	36	#Mid	QPSK	23.01	PASS
Band41	15	40620	36	#Max	QPSK	23.05	PASS
Band41	15	40620	75	#0	QPSK	23.04	PASS
Band41	15	40620	1	#0	16QAM	22.86	PASS
Band41	15	40620	1	#Mid	16QAM	22.86	PASS
Band41	15	40620	1	#Max	16QAM	22.74	PASS
Band41	15	40620	36	#0	16QAM	22.17	PASS
Band41	15	40620	36	#Mid	16QAM	22.13	PASS
Band41	15	40620	36	#Max	16QAM	22.17	PASS
Band41	15	40620	75	#0	16QAM	22.17	PASS
Band41	15	41515	1	#0	QPSK	22.65	PASS
Band41	15	41515	1	#Mid	QPSK	22.61	PASS
Band41	15	41515	1	#Max	QPSK	22.26	PASS
Band41	15	41515	36	#0	QPSK	22.72	PASS
Band41	15	41515	36	#Mid	QPSK	22.59	PASS
Band41	15	41515	36	#Max	QPSK	22.48	PASS
Band41	15	41515	75	#0	QPSK	22.57	PASS
Band41	15	41515	1	#0	16QAM	22.76	PASS
Band41	15	41515	1	#Mid	16QAM	22.71	PASS
Band41	15	41515	1	#Max	16QAM	22.37	PASS
Band41	15	41515	36	#0	16QAM	22.22	PASS
Band41	15	41515	36	#Mid	16QAM	22.33	PASS
Band41	15	41515	36	#Max	16QAM	22.23	PASS
Band41	15	41515	75	#0	16QAM	22.38	PASS
Band41	20	39750	1	#0	QPSK	24.24	PASS
Band41	20	39750	1	#Mid	QPSK	24.26	PASS

Band41	20	39750	1	#Max	QPSK	24.24	PASS
Band41	20	39750	50	#0	QPSK	23.13	PASS
Band41	20	39750	50	#Mid	QPSK	23.28	PASS
Band41	20	39750	50	#Max	QPSK	23.31	PASS
Band41	20	39750	100	#0	QPSK	23.32	PASS
Band41	20	39750	1	#0	16QAM	22.95	PASS
Band41	20	39750	1	#Mid	16QAM	22.92	PASS
Band41	20	39750	1	#Max	16QAM	22.97	PASS
Band41	20	39750	50	#0	16QAM	22.51	PASS
Band41	20	39750	50	#Mid	16QAM	22.50	PASS
Band41	20	39750	50	#Max	16QAM	22.62	PASS
Band41	20	39750	100	#0	16QAM	22.35	PASS
Band41	20	40620	1	#0	QPSK	24.03	PASS
Band41	20	40620	1	#Mid	QPSK	24.10	PASS
Band41	20	40620	1	#Max	QPSK	24.11	PASS
Band41	20	40620	50	#0	QPSK	23.06	PASS
Band41	20	40620	50	#Mid	QPSK	23.00	PASS
Band41	20	40620	50	#Max	QPSK	22.94	PASS
Band41	20	40620	100	#0	QPSK	22.92	PASS
Band41	20	40620	1	#0	16QAM	22.22	PASS
Band41	20	40620	1	#Mid	16QAM	22.30	PASS
Band41	20	40620	1	#Max	16QAM	22.24	PASS
Band41	20	40620	50	#0	16QAM	22.02	PASS
Band41	20	40620	50	#Mid	16QAM	22.14	PASS
Band41	20	40620	50	#Max	16QAM	22.12	PASS
Band41	20	40620	100	#0	16QAM	21.94	PASS
Band41	20	41490	1	#0	QPSK	22.60	PASS
Band41	20	41490	1	#Mid	QPSK	22.66	PASS
Band41	20	41490	1	#Max	QPSK	22.82	PASS
Band41	20	41490	50	#0	QPSK	22.55	PASS
Band41	20	41490	50	#Mid	QPSK	22.63	PASS
Band41	20	41490	50	#Max	QPSK	22.69	PASS
Band41	20	41490	100	#0	QPSK	22.59	PASS
Band41	20	41490	1	#0	16QAM	22.69	PASS
Band41	20	41490	1	#Mid	16QAM	22.76	PASS
Band41	20	41490	1	#Max	16QAM	22.90	PASS
Band41	20	41490	50	#0	16QAM	22.15	PASS
Band41	20	41490	50	#Mid	16QAM	22.11	PASS
Band41	20	41490	50	#Max	16QAM	22.14	PASS
Band41	20	41490	100	#0	16QAM	22.16	PASS

Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band 41	5	39675	25	#0	QPSK	LV	NT	11.06	0.004	-2.5	2.5	PASS
Band 41	5	39675	25	#0	QPSK	NV	NT	15.46	0.006	-2.5	2.5	PASS
Band 41	5	39675	25	#0	QPSK	HV	NT	24.91	0.010	-2.5	2.5	PASS
Band 41	5	39675	25	#0	16QAM	LV	NT	33.79	0.014	-2.5	2.5	PASS
Band 41	5	39675	25	#0	16QAM	NV	NT	42.34	0.017	-2.5	2.5	PASS
Band 41	5	39675	25	#0	16QAM	HV	NT	17.22	0.007	-2.5	2.5	PASS
Band 41	5	40620	25	#0	QPSK	LV	NT	3.91	0.002	-2.5	2.5	PASS
Band 41	5	40620	25	#0	QPSK	NV	NT	-2.03	-0.001	-2.5	2.5	PASS
Band 41	5	40620	25	#0	QPSK	HV	NT	-7.71	-0.003	-2.5	2.5	PASS
Band 41	5	40620	25	#0	16QAM	LV	NT	-13.96	-0.005	-2.5	2.5	PASS
Band 41	5	40620	25	#0	16QAM	NV	NT	-16.99	-0.007	-2.5	2.5	PASS
Band 41	5	40620	25	#0	16QAM	HV	NT	-17.48	-0.007	-2.5	2.5	PASS
Band 41	5	41565	25	#0	QPSK	LV	NT	9.51	0.004	-2.5	2.5	PASS
Band 41	5	41565	25	#0	QPSK	NV	NT	-9.11	-0.003	-2.5	2.5	PASS
Band 41	5	41565	25	#0	QPSK	HV	NT	-27.28	-0.010	-2.5	2.5	PASS
Band 41	5	41565	25	#0	16QAM	LV	NT	-45.65	-0.017	-2.5	2.5	PASS
Band 41	5	41565	25	#0	16QAM	NV	NT	-31.89	-0.012	-2.5	2.5	PASS
Band 41	5	41565	25	#0	16QAM	HV	NT	-0.40	0.000	-2.5	2.5	PASS

Band 41	10	39700	50	#0	QPSK	LV	NT	22.57	0.009	-2.5	2.5	PASS
Band 41	10	39700	50	#0	QPSK	NV	NT	-7.78	-0.003	-2.5	2.5	PASS
Band 41	10	39700	50	#0	QPSK	HV	NT	-36.25	-0.014	-2.5	2.5	PASS
Band 41	10	39700	50	#0	16QAM	LV	NT	-9.16	-0.004	-2.5	2.5	PASS
Band 41	10	39700	50	#0	16QAM	NV	NT	-27.31	-0.011	-2.5	2.5	PASS
Band 41	10	39700	50	#0	16QAM	HV	NT	-37.78	-0.015	-2.5	2.5	PASS
Band 41	10	40620	50	#0	QPSK	LV	NT	-4.09	-0.002	-2.5	2.5	PASS
Band 41	10	40620	50	#0	QPSK	NV	NT	-16.35	-0.006	-2.5	2.5	PASS
Band 41	10	40620	50	#0	QPSK	HV	NT	-29.75	-0.011	-2.5	2.5	PASS
Band 41	10	40620	50	#0	16QAM	LV	NT	-40.27	-0.016	-2.5	2.5	PASS
Band 41	10	40620	50	#0	16QAM	NV	NT	-42.11	-0.016	-2.5	2.5	PASS
Band 41	10	40620	50	#0	16QAM	HV	NT	-44.13	-0.017	-2.5	2.5	PASS
Band 41	10	41540	50	#0	QPSK	LV	NT	8.68	0.003	-2.5	2.5	PASS
Band 41	10	41540	50	#0	QPSK	NV	NT	-14.55	-0.005	-2.5	2.5	PASS
Band 41	10	41540	50	#0	QPSK	HV	NT	-35.92	-0.013	-2.5	2.5	PASS
Band 41	10	41540	50	#0	16QAM	LV	NT	-22.29	-0.008	-2.5	2.5	PASS
Band 41	10	41540	50	#0	16QAM	NV	NT	-47.32	-0.018	-2.5	2.5	PASS
Band 41	10	41540	50	#0	16QAM	HV	NT	-35.65	-0.013	-2.5	2.5	PASS
Band 41	15	39725	75	#0	QPSK	LV	NT	2.52	0.001	-2.5	2.5	PASS
Band 41	15	39725	75	#0	QPSK	NV	NT	-29.51	-0.012	-2.5	2.5	PASS
Band 41	15	39725	75	#0	QPSK	HV	NT	-24.58	-0.010	-2.5	2.5	PASS
Band 41	15	39725	75	#0	16QAM	LV	NT	-18.80	-0.008	-2.5	2.5	PASS



Band 41	15	39725	75	#0	16QAM	NV	NT	-31.63	-0.013	-2.5	2.5	PASS
Band 41	15	39725	75	#0	16QAM	HV	NT	-35.58	-0.014	-2.5	2.5	PASS
Band 41	15	40620	75	#0	QPSK	LV	NT	15.39	0.006	-2.5	2.5	PASS
Band 41	15	40620	75	#0	QPSK	NV	NT	9.38	0.004	-2.5	2.5	PASS
Band 41	15	40620	75	#0	QPSK	HV	NT	10.70	0.004	-2.5	2.5	PASS
Band 41	15	40620	75	#0	16QAM	LV	NT	4.65	0.002	-2.5	2.5	PASS
Band 41	15	40620	75	#0	16QAM	NV	NT	4.55	0.002	-2.5	2.5	PASS
Band 41	15	40620	75	#0	16QAM	HV	NT	6.90	0.003	-2.5	2.5	PASS
Band 41	15	41515	75	#0	QPSK	LV	NT	-15.15	-0.006	-2.5	2.5	PASS
Band 41	15	41515	75	#0	QPSK	NV	NT	-39.44	-0.015	-2.5	2.5	PASS
Band 41	15	41515	75	#0	QPSK	HV	NT	-1.23	0.000	-2.5	2.5	PASS
Band 41	15	41515	75	#0	16QAM	LV	NT	-37.18	-0.014	-2.5	2.5	PASS
Band 41	15	41515	75	#0	16QAM	NV	NT	-22.85	-0.009	-2.5	2.5	PASS
Band 41	15	41515	75	#0	16QAM	HV	NT	-14.49	-0.005	-2.5	2.5	PASS
Band 41	20	39750	100	#0	QPSK	LV	NT	33.83	0.013	-2.5	2.5	PASS
Band 41	20	39750	100	#0	QPSK	NV	NT	3.13	0.001	-2.5	2.5	PASS
Band 41	20	39750	100	#0	QPSK	HV	NT	-17.44	-0.007	-2.5	2.5	PASS
Band 41	20	39750	100	#0	16QAM	LV	NT	-29.71	-0.012	-2.5	2.5	PASS
Band 41	20	39750	100	#0	16QAM	NV	NT	-31.60	-0.013	-2.5	2.5	PASS
Band 41	20	39750	100	#0	16QAM	HV	NT	-28.07	-0.011	-2.5	2.5	PASS
Band 41	20	40620	100	#0	QPSK	LV	NT	-5.18	-0.002	-2.5	2.5	PASS
Band 41	20	40620	100	#0	QPSK	NV	NT	-10.83	-0.004	-2.5	2.5	PASS



Band 41	20	40620	100	#0	QPSK	HV	NT	-6.92	-0.003	-2.5	2.5	PASS
Band 41	20	40620	100	#0	16QAM	LV	NT	-12.42	-0.005	-2.5	2.5	PASS
Band 41	20	40620	100	#0	16QAM	NV	NT	-9.67	-0.004	-2.5	2.5	PASS
Band 41	20	40620	100	#0	16QAM	HV	NT	-4.63	-0.002	-2.5	2.5	PASS
Band 41	20	41490	100	#0	QPSK	LV	NT	20.60	0.008	-2.5	2.5	PASS
Band 41	20	41490	100	#0	QPSK	NV	NT	-2.07	-0.001	-2.5	2.5	PASS
Band 41	20	41490	100	#0	QPSK	HV	NT	-35.98	-0.013	-2.5	2.5	PASS
Band 41	20	41490	100	#0	16QAM	LV	NT	-29.17	-0.001	-2.5	2.5	PASS
Band 41	20	41490	100	#0	16QAM	NV	NT	-34.09	-0.013	-2.5	2.5	PASS
Band 41	20	41490	100	#0	16QAM	HV	NT	-30.50	-0.001	-2.5	2.5	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band 41	5	39675	25	#0	QPSK	NV	-30	28.41	0.011	-2.5	2.5	PASS
Band 41	5	39675	25	#0	QPSK	NV	-20	27.41	0.011	-2.5	2.5	PASS
Band 41	5	39675	25	#0	QPSK	NV	0	28.05	0.011	-2.5	2.5	PASS
Band 41	5	39675	25	#0	QPSK	NV	10	29.61	0.012	-2.5	2.5	PASS
Band 41	5	39675	25	#0	QPSK	NV	20	31.33	0.013	-2.5	2.5	PASS
Band 41	5	39675	25	#0	QPSK	NV	30	33.79	0.014	-2.5	2.5	PASS
Band 41	5	39675	25	#0	QPSK	NV	40	34.17	0.014	-2.5	2.5	PASS
Band 41	5	39675	25	#0	QPSK	NV	50	33.73	0.014	-2.5	2.5	PASS
Band 41	5	39675	25	#0	16QAM	NV	-30	33.67	0.013	-2.5	2.5	PASS

Band 41	5	39675	25	#0	16QAM	NV	-20	34.36	0.014	-2.5	2.5	PASS
Band 41	5	39675	25	#0	16QAM	NV	0	36.03	0.014	-2.5	2.5	PASS
Band 41	5	39675	25	#0	16QAM	NV	10	35.91	0.014	-2.5	2.5	PASS
Band 41	5	39675	25	#0	16QAM	NV	20	36.89	0.015	-2.5	2.5	PASS
Band 41	5	39675	25	#0	16QAM	NV	30	37.69	0.015	-2.5	2.5	PASS
Band 41	5	39675	25	#0	16QAM	NV	40	40.66	0.016	-2.5	2.5	PASS
Band 41	5	39675	25	#0	16QAM	NV	50	43.69	0.017	-2.5	2.5	PASS
Band 41	5	40620	25	#0	QPSK	NV	-30	-2.46	-0.001	-2.5	2.5	PASS
Band 41	5	40620	25	#0	QPSK	NV	-20	-0.53	0.000	-2.5	2.5	PASS
Band 41	5	40620	25	#0	QPSK	NV	0	-0.14	0.000	-2.5	2.5	PASS
Band 41	5	40620	25	#0	QPSK	NV	10	-0.56	0.000	-2.5	2.5	PASS
Band 41	5	40620	25	#0	QPSK	NV	20	-0.20	0.000	-2.5	2.5	PASS
Band 41	5	40620	25	#0	QPSK	NV	30	-0.84	0.000	-2.5	2.5	PASS
Band 41	5	40620	25	#0	QPSK	NV	40	-2.12	-0.001	-2.5	2.5	PASS
Band 41	5	40620	25	#0	QPSK	NV	50	-2.96	-0.001	-2.5	2.5	PASS
Band 41	5	40620	25	#0	16QAM	NV	-30	-3.20	-0.001	-2.5	2.5	PASS
Band 41	5	40620	25	#0	16QAM	NV	-20	-2.46	-0.001	-2.5	2.5	PASS
Band 41	5	40620	25	#0	16QAM	NV	0	-2.12	-0.001	-2.5	2.5	PASS
Band 41	5	40620	25	#0	16QAM	NV	10	-1.86	-0.001	-2.5	2.5	PASS
Band 41	5	40620	25	#0	16QAM	NV	20	-1.52	-0.001	-2.5	2.5	PASS
Band 41	5	40620	25	#0	16QAM	NV	30	-0.82	0.000	-2.5	2.5	PASS
Band 41	5	40620	25	#0	16QAM	NV	40	0.41	0.000	-2.5	2.5	PASS

Band 41	5	40620	25	#0	16QAM	NV	50	1.80	0.00 1	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	QPSK	NV	-30	3.49	0.00 1	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	QPSK	NV	-20	5.35	0.00 2	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	QPSK	NV	0	5.87	0.00 2	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	QPSK	NV	10	6.90	0.00 3	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	QPSK	NV	20	7.08	0.00 3	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	QPSK	NV	30	7.01	0.00 3	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	QPSK	NV	40	6.94	0.00 3	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	QPSK	NV	50	7.52	0.00 3	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	16QAM	NV	-30	7.24	0.00 3	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	16QAM	NV	-20	7.50	0.00 3	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	16QAM	NV	0	8.55	0.00 3	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	16QAM	NV	10	8.75	0.00 3	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	16QAM	NV	20	10.1 7	0.00 4	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	16QAM	NV	30	10.5 3	0.00 4	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	16QAM	NV	40	12.7 0	0.00 5	-2.5	2.5	PAS S
Band 41	5	41565	25	#0	16QAM	NV	50	14.7 6	0.00 5	-2.5	2.5	PAS S
Band 41	10	39700	50	#0	QPSK	NV	-30	17.9 1	0.00 7	-2.5	2.5	PAS S
Band 41	10	39700	50	#0	QPSK	NV	-20	14.6 3	0.00 6	-2.5	2.5	PAS S
Band 41	10	39700	50	#0	QPSK	NV	0	14.8 2	0.00 6	-2.5	2.5	PAS S
Band 41	10	39700	50	#0	QPSK	NV	10	15.8 1	0.00 6	-2.5	2.5	PAS S
Band 41	10	39700	50	#0	QPSK	NV	20	17.4 2	0.00 7	-2.5	2.5	PAS S

Band 41	10	39700	50	#0	QPSK	NV	30	18.20	0.007	-2.5	2.5	PASS
Band 41	10	39700	50	#0	QPSK	NV	40	16.32	0.007	-2.5	2.5	PASS
Band 41	10	39700	50	#0	QPSK	NV	50	13.26	0.005	-2.5	2.5	PASS
Band 41	10	39700	50	#0	16QAM	NV	-30	10.99	0.004	-2.5	2.5	PASS
Band 41	10	39700	50	#0	16QAM	NV	-20	9.18	0.004	-2.5	2.5	PASS
Band 41	10	39700	50	#0	16QAM	NV	0	7.27	0.003	-2.5	2.5	PASS
Band 41	10	39700	50	#0	16QAM	NV	10	4.71	0.002	-2.5	2.5	PASS
Band 41	10	39700	50	#0	16QAM	NV	20	4.63	0.002	-2.5	2.5	PASS
Band 41	10	39700	50	#0	16QAM	NV	30	4.99	0.002	-2.5	2.5	PASS
Band 41	10	39700	50	#0	16QAM	NV	40	5.09	0.002	-2.5	2.5	PASS
Band 41	10	39700	50	#0	16QAM	NV	50	4.05	0.002	-2.5	2.5	PASS
Band 41	10	40620	50	#0	QPSK	NV	-30	3.19	0.001	-2.5	2.5	PASS
Band 41	10	40620	50	#0	QPSK	NV	-20	-0.01	0.000	-2.5	2.5	PASS
Band 41	10	40620	50	#0	QPSK	NV	0	-3.48	-0.001	-2.5	2.5	PASS
Band 41	10	40620	50	#0	QPSK	NV	10	-6.81	-0.003	-2.5	2.5	PASS
Band 41	10	40620	50	#0	QPSK	NV	20	-11.76	-0.005	-2.5	2.5	PASS
Band 41	10	40620	50	#0	QPSK	NV	30	-15.05	-0.006	-2.5	2.5	PASS
Band 41	10	40620	50	#0	QPSK	NV	40	-19.58	-0.008	-2.5	2.5	PASS
Band 41	10	40620	50	#0	QPSK	NV	50	-22.70	-0.009	-2.5	2.5	PASS
Band 41	10	40620	50	#0	16QAM	NV	-30	-27.79	-0.011	-2.5	2.5	PASS
Band 41	10	40620	50	#0	16QAM	NV	-20	-30.10	-0.012	-2.5	2.5	PASS
Band 41	10	40620	50	#0	16QAM	NV	0	-34.89	-0.013	-2.5	2.5	PASS



Band 41	10	40620	50	#0	16QAM	NV	10	-36.13	-0.014	-2.5	2.5	PASS
Band 41	10	40620	50	#0	16QAM	NV	20	-37.47	-0.014	-2.5	2.5	PASS
Band 41	10	40620	50	#0	16QAM	NV	30	-38.02	-0.015	-2.5	2.5	PASS
Band 41	10	40620	50	#0	16QAM	NV	40	-37.88	-0.015	-2.5	2.5	PASS
Band 41	10	40620	50	#0	16QAM	NV	50	-38.28	-0.015	-2.5	2.5	PASS
Band 41	10	41540	50	#0	QPSK	NV	-30	-37.39	-0.014	-2.5	2.5	PASS
Band 41	10	41540	50	#0	QPSK	NV	-20	-38.57	-0.014	-2.5	2.5	PASS
Band 41	10	41540	50	#0	QPSK	NV	0	-40.74	-0.015	-2.5	2.5	PASS
Band 41	10	41540	50	#0	QPSK	NV	10	-41.06	-0.015	-2.5	2.5	PASS
Band 41	10	41540	50	#0	QPSK	NV	20	-44.72	-0.017	-2.5	2.5	PASS
Band 41	10	41540	50	#0	QPSK	NV	30	-46.41	-0.017	-2.5	2.5	PASS
Band 41	10	41540	50	#0	QPSK	NV	40	3.88	0.001	-2.5	2.5	PASS
Band 41	10	41540	50	#0	QPSK	NV	50	1.09	0.000	-2.5	2.5	PASS
Band 41	10	41540	50	#0	16QAM	NV	-30	-1.32	0.000	-2.5	2.5	PASS
Band 41	10	41540	50	#0	16QAM	NV	-20	-1.76	-0.001	-2.5	2.5	PASS
Band 41	10	41540	50	#0	16QAM	NV	0	-3.81	-0.001	-2.5	2.5	PASS
Band 41	10	41540	50	#0	16QAM	NV	10	-4.21	-0.002	-2.5	2.5	PASS
Band 41	10	41540	50	#0	16QAM	NV	20	-2.60	-0.001	-2.5	2.5	PASS
Band 41	10	41540	50	#0	16QAM	NV	30	-2.66	-0.001	-2.5	2.5	PASS
Band 41	10	41540	50	#0	16QAM	NV	40	-2.37	-0.001	-2.5	2.5	PASS
Band 41	10	41540	50	#0	16QAM	NV	50	-2.70	-0.001	-2.5	2.5	PASS
Band 41	15	39725	75	#0	QPSK	NV	-30	22.96	0.009	-2.5	2.5	PASS



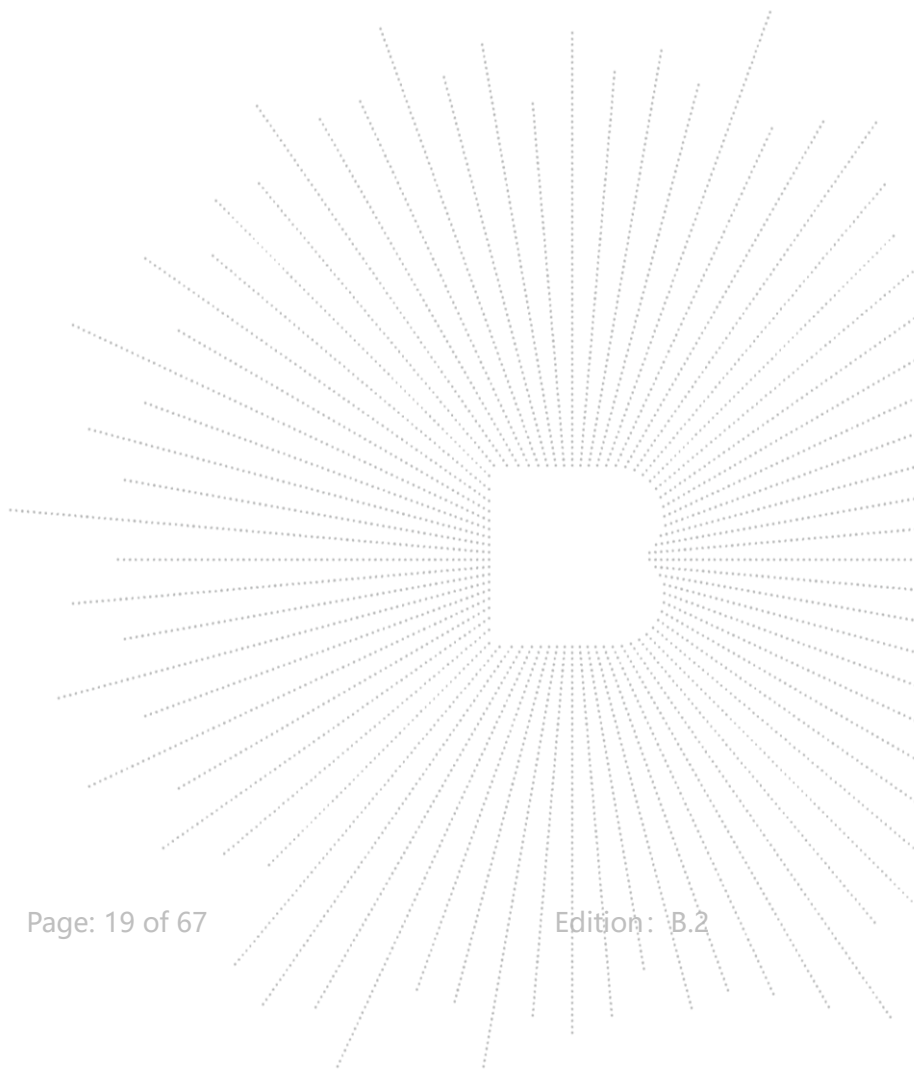
Band 41	15	39725	75	#0	QPSK	NV	-20	18.24	0.007	-2.5	2.5	PASS
Band 41	15	39725	75	#0	QPSK	NV	0	16.98	0.007	-2.5	2.5	PASS
Band 41	15	39725	75	#0	QPSK	NV	10	14.83	0.006	-2.5	2.5	PASS
Band 41	15	39725	75	#0	QPSK	NV	20	12.53	0.005	-2.5	2.5	PASS
Band 41	15	39725	75	#0	QPSK	NV	30	8.90	0.004	-2.5	2.5	PASS
Band 41	15	39725	75	#0	QPSK	NV	40	4.79	0.002	-2.5	2.5	PASS
Band 41	15	39725	75	#0	QPSK	NV	50	0.79	0.000	-2.5	2.5	PASS
Band 41	15	39725	75	#0	16QAM	NV	-30	-2.57	-0.001	-2.5	2.5	PASS
Band 41	15	39725	75	#0	16QAM	NV	-20	-4.26	-0.002	-2.5	2.5	PASS
Band 41	15	39725	75	#0	16QAM	NV	0	-6.48	-0.003	-2.5	2.5	PASS
Band 41	15	39725	75	#0	16QAM	NV	10	-7.71	-0.003	-2.5	2.5	PASS
Band 41	15	39725	75	#0	16QAM	NV	20	-8.85	-0.004	-2.5	2.5	PASS
Band 41	15	39725	75	#0	16QAM	NV	30	-10.34	-0.004	-2.5	2.5	PASS
Band 41	15	39725	75	#0	16QAM	NV	40	-10.87	-0.004	-2.5	2.5	PASS
Band 41	15	39725	75	#0	16QAM	NV	50	-11.36	-0.005	-2.5	2.5	PASS
Band 41	15	40620	75	#0	QPSK	NV	-30	-10.04	-0.004	-2.5	2.5	PASS
Band 41	15	40620	75	#0	QPSK	NV	-20	-12.89	-0.005	-2.5	2.5	PASS
Band 41	15	40620	75	#0	QPSK	NV	0	-15.95	-0.006	-2.5	2.5	PASS
Band 41	15	40620	75	#0	QPSK	NV	10	-17.87	-0.007	-2.5	2.5	PASS
Band 41	15	40620	75	#0	QPSK	NV	20	-20.77	-0.008	-2.5	2.5	PASS
Band 41	15	40620	75	#0	QPSK	NV	30	-24.33	-0.009	-2.5	2.5	PASS
Band 41	15	40620	75	#0	QPSK	NV	40	-27.77	-0.011	-2.5	2.5	PASS

Band 41	15	40620	75	#0	QPSK	NV	50	-32.69	-0.013	-2.5	2.5	PASS
Band 41	15	40620	75	#0	16QAM	NV	-30	-37.35	-0.014	-2.5	2.5	PASS
Band 41	15	40620	75	#0	16QAM	NV	-20	-38.11	-0.015	-2.5	2.5	PASS
Band 41	15	40620	75	#0	16QAM	NV	0	-38.34	-0.015	-2.5	2.5	PASS
Band 41	15	40620	75	#0	16QAM	NV	10	-37.26	-0.014	-2.5	2.5	PASS
Band 41	15	40620	75	#0	16QAM	NV	20	-37.42	-0.014	-2.5	2.5	PASS
Band 41	15	40620	75	#0	16QAM	NV	30	-36.16	-0.014	-2.5	2.5	PASS
Band 41	15	40620	75	#0	16QAM	NV	40	-34.25	-0.013	-2.5	2.5	PASS
Band 41	15	40620	75	#0	16QAM	NV	50	-31.09	-0.012	-2.5	2.5	PASS
Band 41	15	41515	75	#0	QPSK	NV	-30	-29.81	-0.011	-2.5	2.5	PASS
Band 41	15	41515	75	#0	QPSK	NV	-20	-31.03	-0.012	-2.5	2.5	PASS
Band 41	15	41515	75	#0	QPSK	NV	0	-33.04	-0.012	-2.5	2.5	PASS
Band 41	15	41515	75	#0	QPSK	NV	10	-36.18	-0.013	-2.5	2.5	PASS
Band 41	15	41515	75	#0	QPSK	NV	20	-39.57	-0.015	-2.5	2.5	PASS
Band 41	15	41515	75	#0	QPSK	NV	30	-42.74	-0.016	-2.5	2.5	PASS
Band 41	15	41515	75	#0	QPSK	NV	40	-46.59	-0.017	-2.5	2.5	PASS
Band 41	15	41515	75	#0	QPSK	NV	50	-5.95	-0.002	-2.5	2.5	PASS
Band 41	15	41515	75	#0	16QAM	NV	-30	-10.09	-0.004	-2.5	2.5	PASS
Band 41	15	41515	75	#0	16QAM	NV	-20	-10.74	-0.004	-2.5	2.5	PASS
Band 41	15	41515	75	#0	16QAM	NV	0	-10.40	-0.004	-2.5	2.5	PASS
Band 41	15	41515	75	#0	16QAM	NV	10	-9.36	-0.003	-2.5	2.5	PASS
Band 41	15	41515	75	#0	16QAM	NV	20	-11.26	-0.004	-2.5	2.5	PASS

Band 41	15	41515	75	#0	16QAM	NV	30	-8.74	-0.003	-2.5	2.5	PASS
Band 41	15	41515	75	#0	16QAM	NV	40	-7.52	-0.003	-2.5	2.5	PASS
Band 41	15	41515	75	#0	16QAM	NV	50	-5.22	-0.002	-2.5	2.5	PASS
Band 41	20	39750	100	#0	QPSK	NV	-30	28.54	0.011	-2.5	2.5	PASS
Band 41	20	39750	100	#0	QPSK	NV	-20	21.30	0.008	-2.5	2.5	PASS
Band 41	20	39750	100	#0	QPSK	NV	0	17.88	0.007	-2.5	2.5	PASS
Band 41	20	39750	100	#0	QPSK	NV	10	13.98	0.006	-2.5	2.5	PASS
Band 41	20	39750	100	#0	QPSK	NV	20	9.57	0.004	-2.5	2.5	PASS
Band 41	20	39750	100	#0	QPSK	NV	30	3.96	0.002	-2.5	2.5	PASS
Band 41	20	39750	100	#0	QPSK	NV	40	-1.50	-0.001	-2.5	2.5	PASS
Band 41	20	39750	100	#0	QPSK	NV	50	-7.84	-0.003	-2.5	2.5	PASS
Band 41	20	39750	100	#0	16QAM	NV	-30	-13.49	-0.005	-2.5	2.5	PASS
Band 41	20	39750	100	#0	16QAM	NV	-20	-15.68	-0.006	-2.5	2.5	PASS
Band 41	20	39750	100	#0	16QAM	NV	0	-16.94	-0.007	-2.5	2.5	PASS
Band 41	20	39750	100	#0	16QAM	NV	10	-17.08	-0.007	-2.5	2.5	PASS
Band 41	20	39750	100	#0	16QAM	NV	20	-16.69	-0.007	-2.5	2.5	PASS
Band 41	20	39750	100	#0	16QAM	NV	30	-16.11	-0.006	-2.5	2.5	PASS
Band 41	20	39750	100	#0	16QAM	NV	40	-13.39	-0.005	-2.5	2.5	PASS
Band 41	20	39750	100	#0	16QAM	NV	50	-12.00	-0.005	-2.5	2.5	PASS
Band 41	20	40620	100	#0	QPSK	NV	-30	-9.38	-0.004	-2.5	2.5	PASS
Band 41	20	40620	100	#0	QPSK	NV	-20	-11.67	-0.005	-2.5	2.5	PASS
Band 41	20	40620	100	#0	QPSK	NV	0	-13.40	-0.005	-2.5	2.5	PASS

Band 41	20	40620	100	#0	QPSK	NV	10	-18.83	-0.007	-2.5	2.5	PASS
Band 41	20	40620	100	#0	QPSK	NV	20	-24.22	-0.009	-2.5	2.5	PASS
Band 41	20	40620	100	#0	QPSK	NV	30	-28.98	-0.011	-2.5	2.5	PASS
Band 41	20	40620	100	#0	QPSK	NV	40	-34.88	-0.013	-2.5	2.5	PASS
Band 41	20	40620	100	#0	QPSK	NV	50	-40.31	-0.016	-2.5	2.5	PASS
Band 41	20	40620	100	#0	16QAM	NV	-30	-43.53	-0.017	-2.5	2.5	PASS
Band 41	20	40620	100	#0	16QAM	NV	-20	-46.28	-0.018	-2.5	2.5	PASS
Band 41	20	40620	100	#0	16QAM	NV	0	-38.74	-0.015	-2.5	2.5	PASS
Band 41	20	40620	100	#0	16QAM	NV	10	-0.80	0.000	-2.5	2.5	PASS
Band 41	20	40620	100	#0	16QAM	NV	20	-1.86	-0.001	-2.5	2.5	PASS
Band 41	20	40620	100	#0	16QAM	NV	30	-1.13	0.000	-2.5	2.5	PASS
Band 41	20	40620	100	#0	16QAM	NV	40	0.40	0.000	-2.5	2.5	PASS
Band 41	20	40620	100	#0	16QAM	NV	50	3.53	0.001	-2.5	2.5	PASS
Band 41	20	41490	100	#0	QPSK	NV	-30	6.32	0.002	-2.5	2.5	PASS
Band 41	20	41490	100	#0	QPSK	NV	-20	5.95	0.002	-2.5	2.5	PASS
Band 41	20	41490	100	#0	QPSK	NV	0	3.36	0.001	-2.5	2.5	PASS
Band 41	20	41490	100	#0	QPSK	NV	10	-0.53	0.000	-2.5	2.5	PASS
Band 41	20	41490	100	#0	QPSK	NV	20	-4.73	-0.002	-2.5	2.5	PASS
Band 41	20	41490	100	#0	QPSK	NV	30	-9.96	-0.004	-2.5	2.5	PASS
Band 41	20	41490	100	#0	QPSK	NV	40	-12.93	-0.005	-2.5	2.5	PASS
Band 41	20	41490	100	#0	QPSK	NV	50	-16.75	-0.006	-2.5	2.5	PASS
Band 41	20	41490	100	#0	16QAM	NV	-30	-19.94	-0.007	-2.5	2.5	PASS

Band 41	20	41490	10 0	#0	16QAM	NV	-20	-21. 27	-0.0 08	-2.5	2.5	PAS S
Band 41	20	41490	10 0	#0	16QAM	NV	0	-21. 36	-0.0 08	-2.5	2.5	PAS S
Band 41	20	41490	10 0	#0	16QAM	NV	10	-21. 07	-0.0 08	-2.5	2.5	PAS S
Band 41	20	41490	10 0	#0	16QAM	NV	20	-20. 64	-0.0 08	-2.5	2.5	PAS S
Band 41	20	41490	10 0	#0	16QAM	NV	30	-18. 93	-0.0 07	-2.5	2.5	PAS S
Band 41	20	41490	10 0	#0	16QAM	NV	40	-14. 73	-0.0 05	-2.5	2.5	PAS S
Band 41	20	41490	10 0	#0	16QAM	NV	50	-12. 70	-0.0 05	-2.5	2.5	PAS S

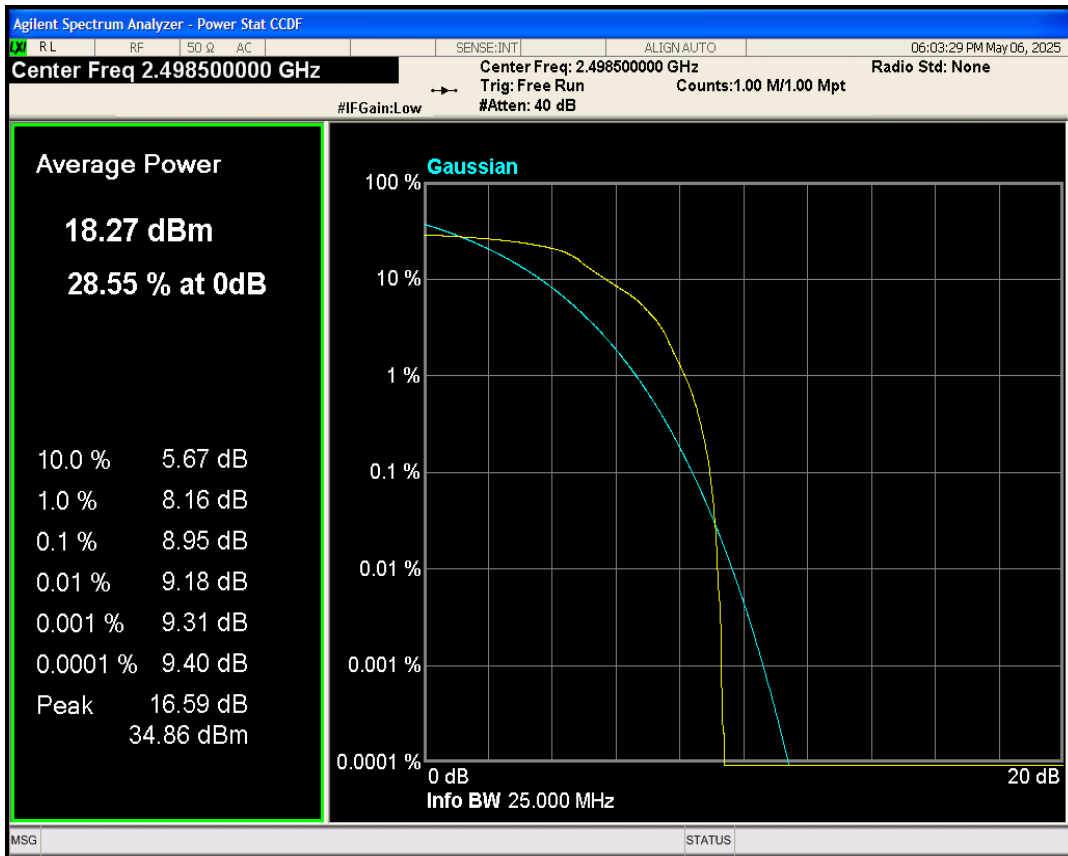


Appendix 3. Peak-to-Average Ratio

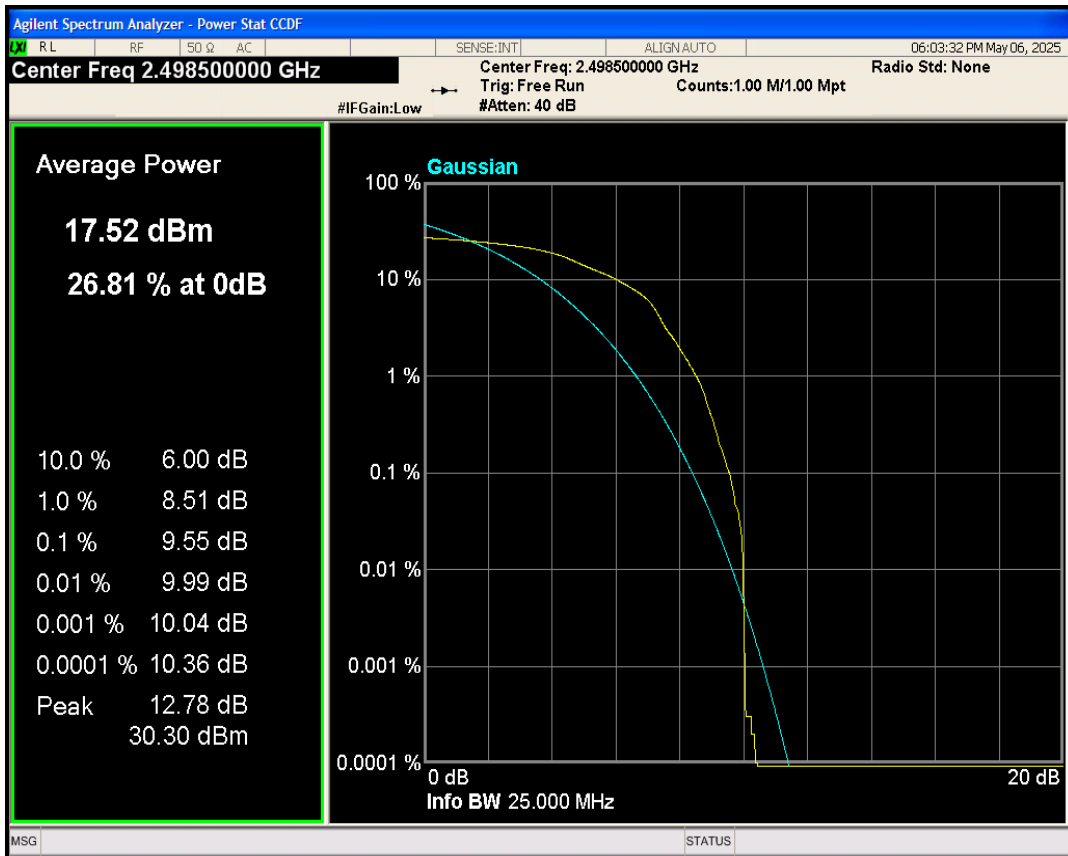
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band41	5	39675	1	#0	QPSK	8.95	13	PASS
Band41	5	39675	1	#0	16QAM	9.55	13	PASS
Band41	5	40620	1	#0	QPSK	7.15	13	PASS
Band41	5	40620	1	#0	16QAM	8.90	13	PASS
Band41	5	41565	1	#0	QPSK	10.01	13	PASS
Band41	5	41565	1	#0	16QAM	8.96	13	PASS
Band41	10	39700	1	#0	QPSK	7.49	13	PASS
Band41	10	39700	1	#0	16QAM	8.55	13	PASS
Band41	10	40620	1	#0	QPSK	8.76	13	PASS
Band41	10	40620	1	#0	16QAM	8.55	13	PASS
Band41	10	41540	1	#0	QPSK	8.50	13	PASS
Band41	10	41540	1	#0	16QAM	9.31	13	PASS
Band41	15	39725	1	#0	QPSK	7.46	13	PASS
Band41	15	39725	1	#0	16QAM	8.77	13	PASS
Band41	15	40620	1	#0	QPSK	8.66	13	PASS
Band41	15	40620	1	#0	16QAM	9.75	13	PASS
Band41	15	41515	1	#0	QPSK	9.01	13	PASS
Band41	15	41515	1	#0	16QAM	9.06	13	PASS
Band41	20	39750	1	#0	QPSK	7.90	13	PASS
Band41	20	39750	1	#0	16QAM	7.75	13	PASS
Band41	20	40620	1	#0	QPSK	10.80	13	PASS
Band41	20	40620	1	#0	16QAM	9.53	13	PASS
Band41	20	41490	1	#0	QPSK	7.47	13	PASS
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Band41 QPSK BW=5MHz Channel=39675 RB Size=1 Position=#0

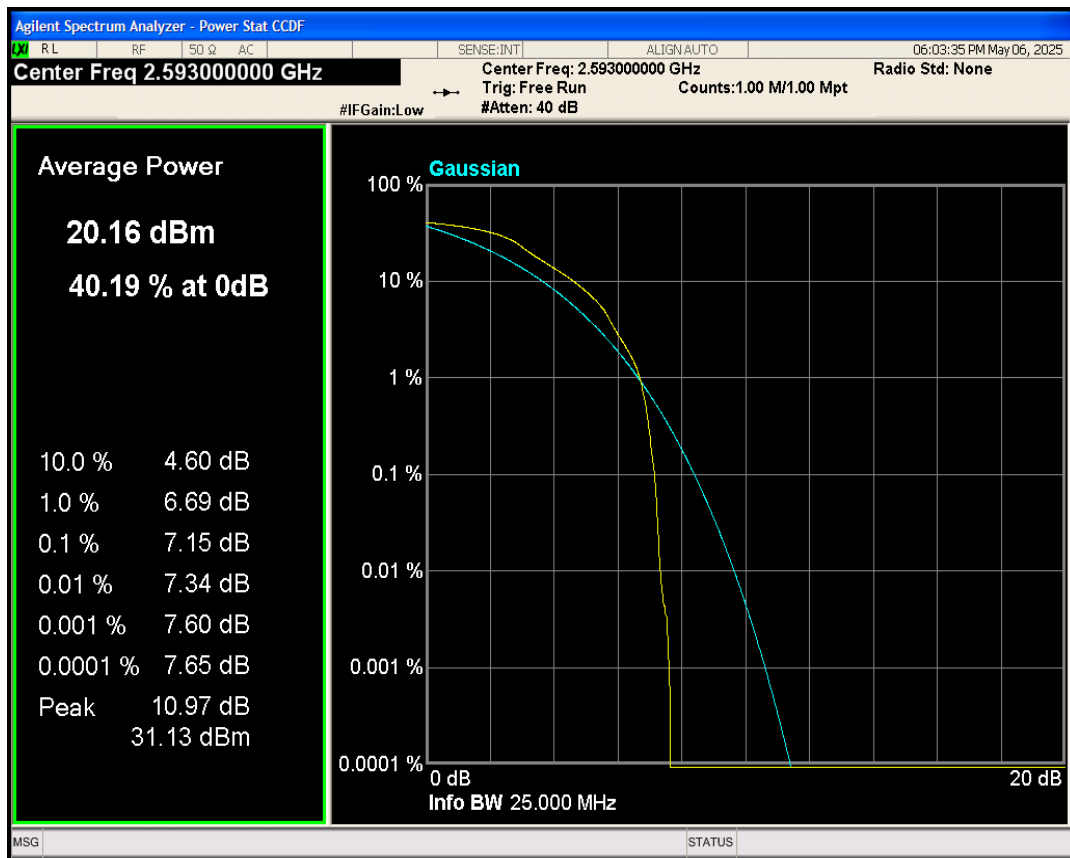


Band41 16QAM BW=5MHz Channel=39675 RB Size=1 Position=#0

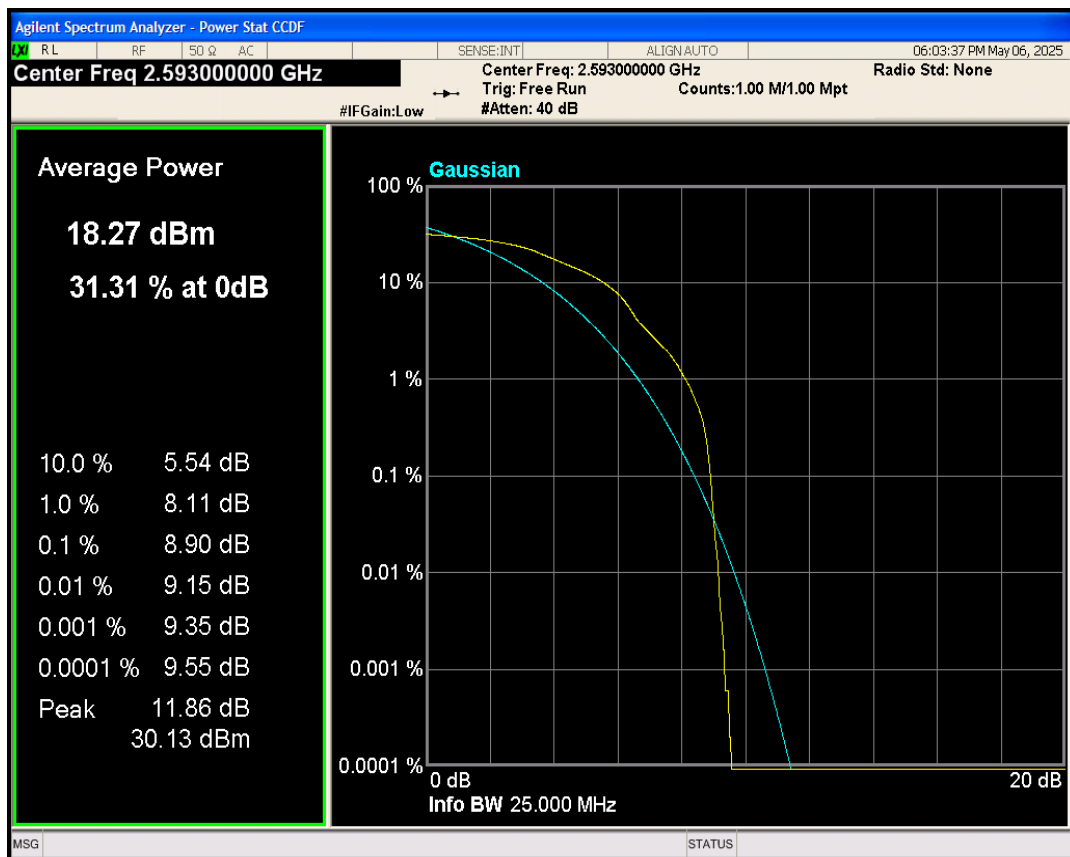




Band41 QPSK BW=5MHz Channel=40620 RB Size=1 Position=#0

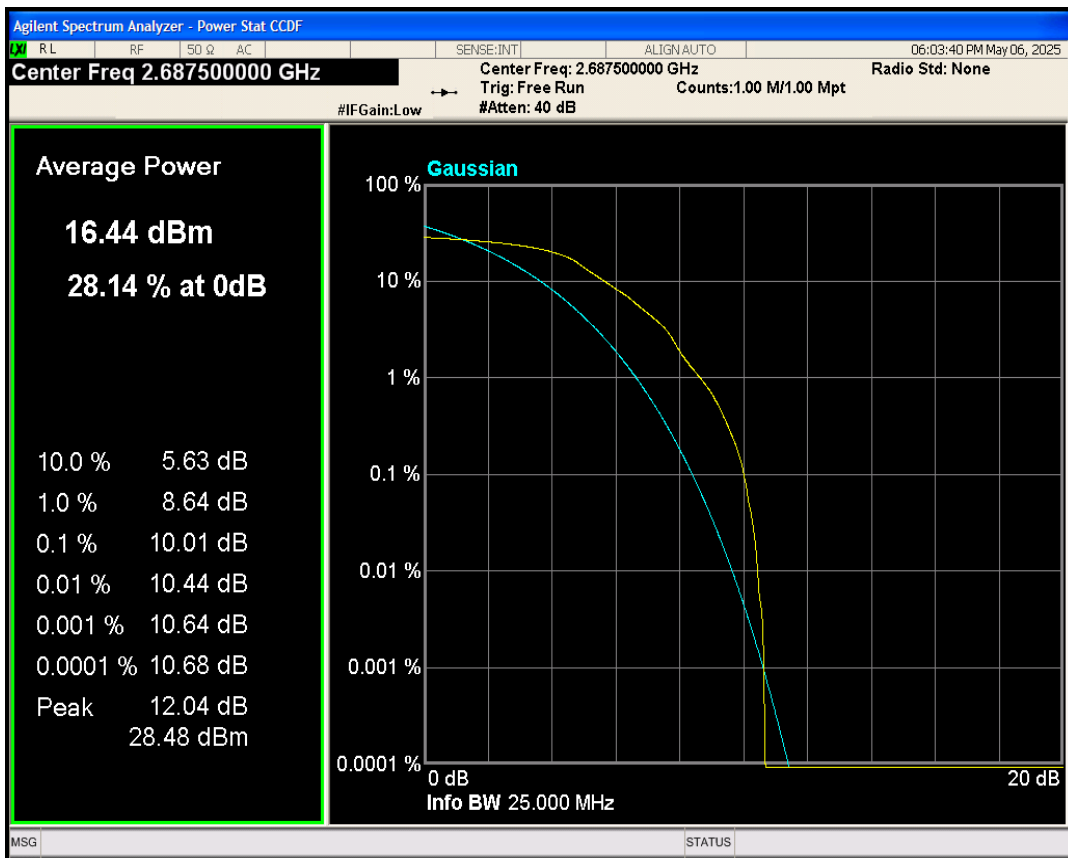


Band41 16QAM BW=5MHz Channel=40620 RB Size=1 Position=#0

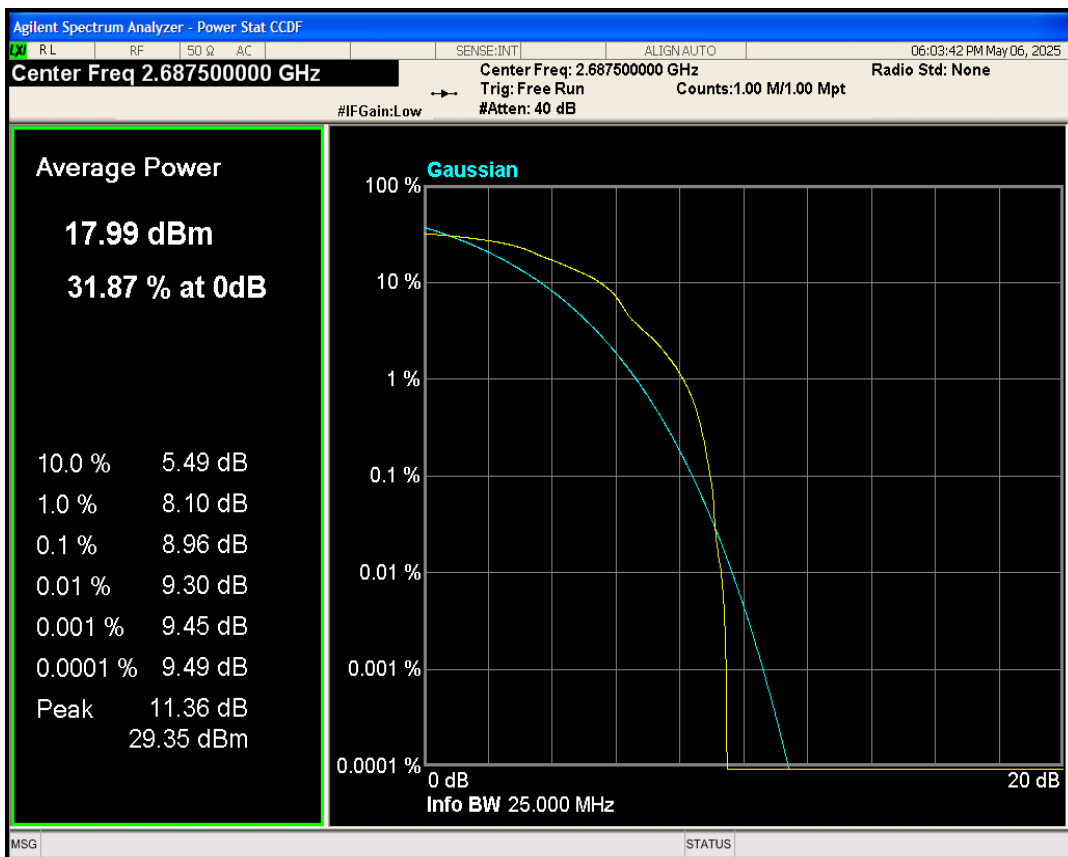




Band41 QPSK BW=5MHz Channel=41565 RB Size=1 Position=#0

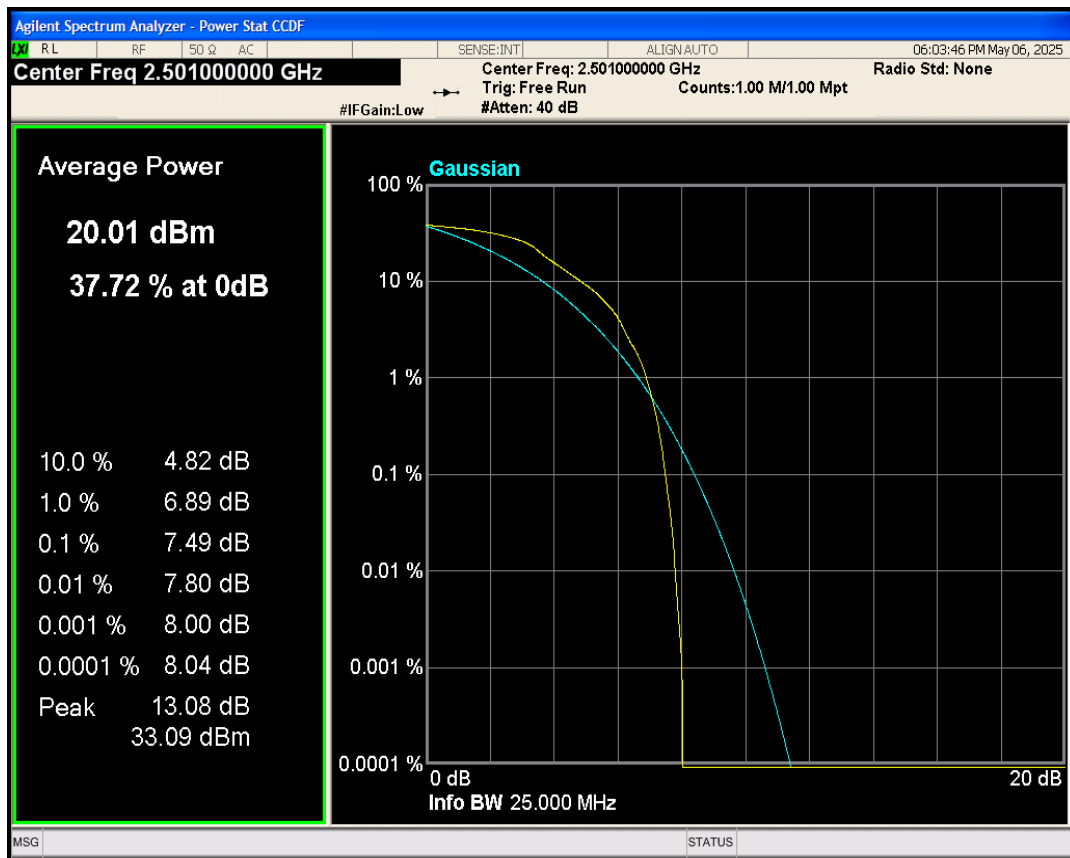


Band41 16QAM BW=5MHz Channel=41565 RB Size=1 Position=#0

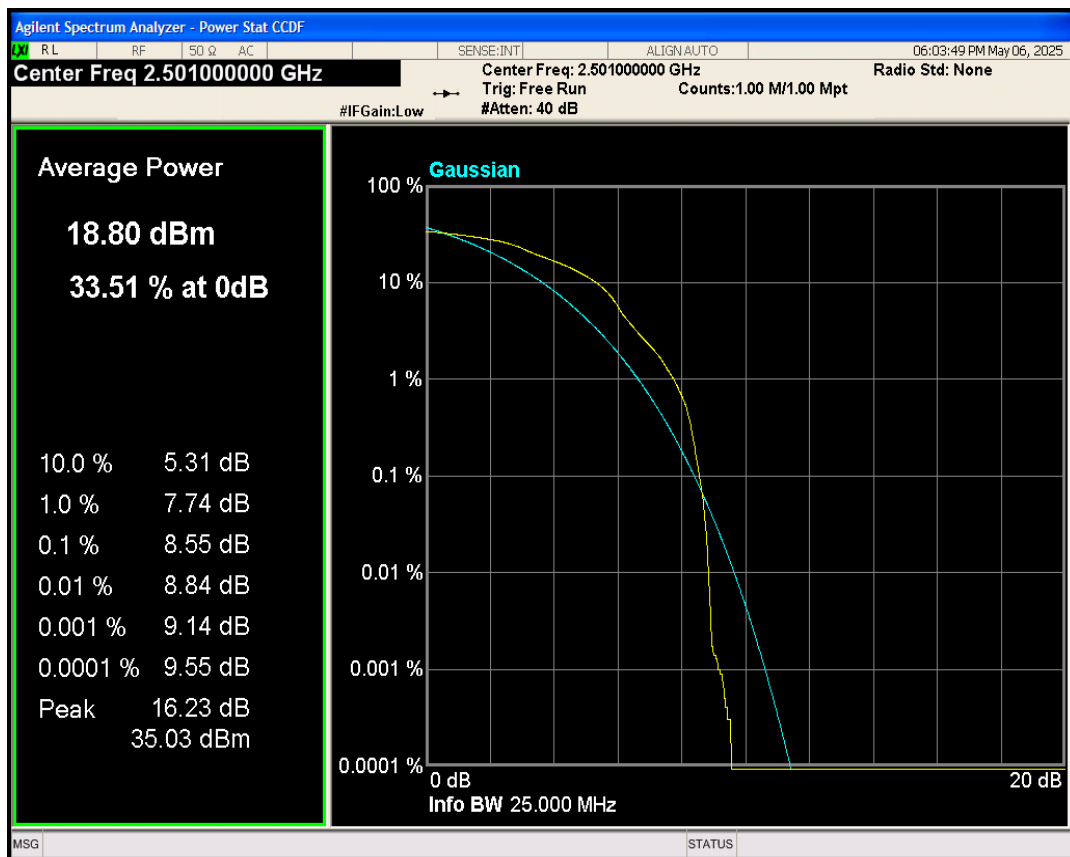




Band41 QPSK BW=10MHz Channel=39700 RB Size=1 Position=#0

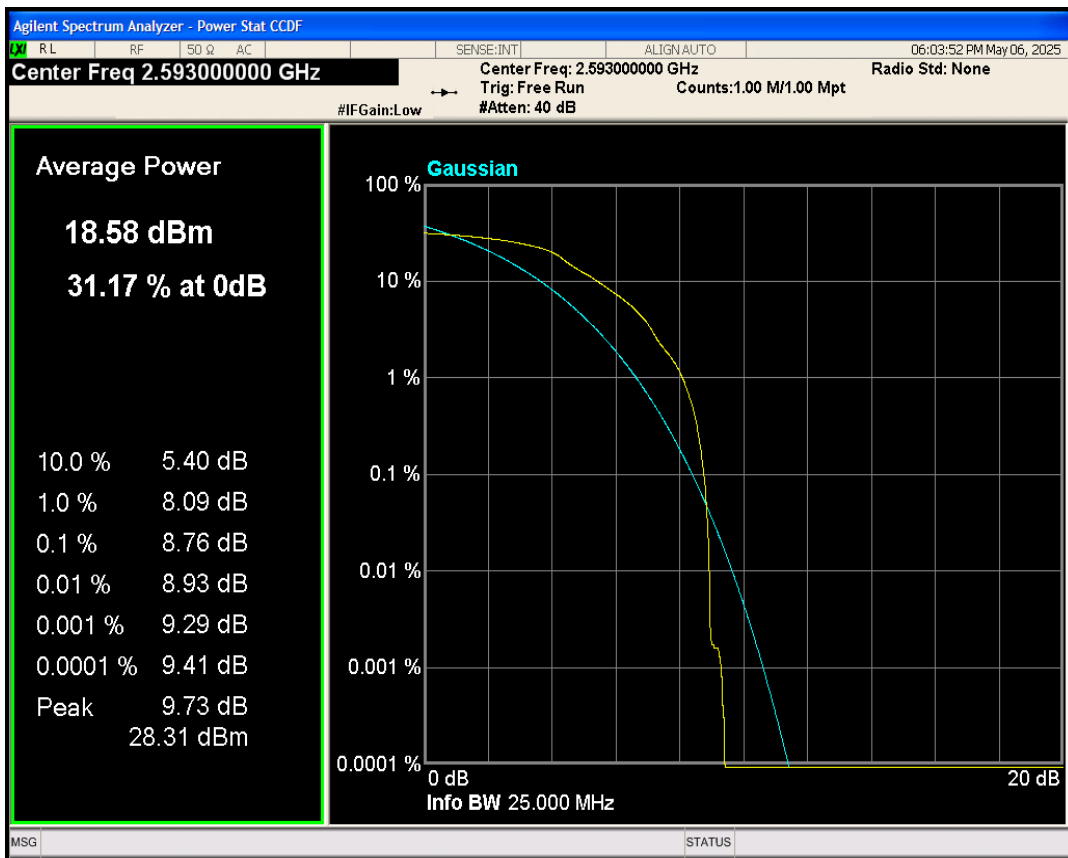


Band41 16QAM BW=10MHz Channel=39700 RB Size=1 Position=#0

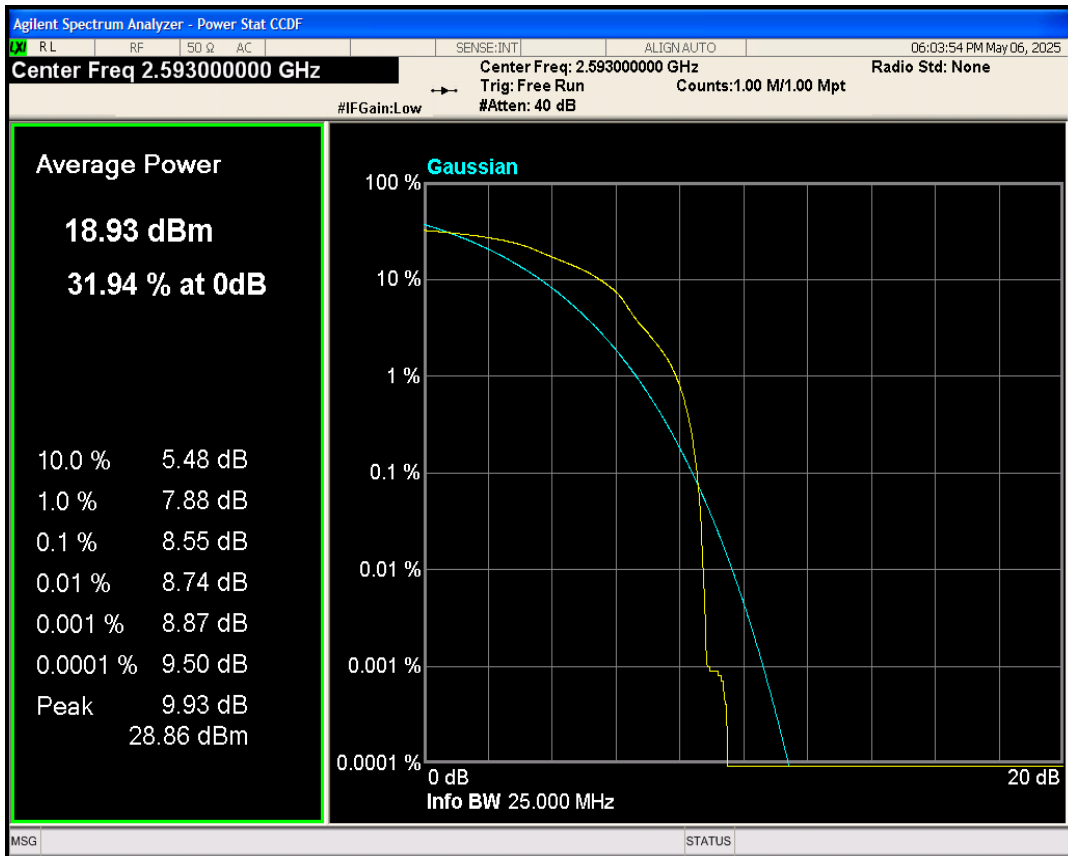




Band41 QPSK BW=10MHz Channel=40620 RB Size=1 Position=#0

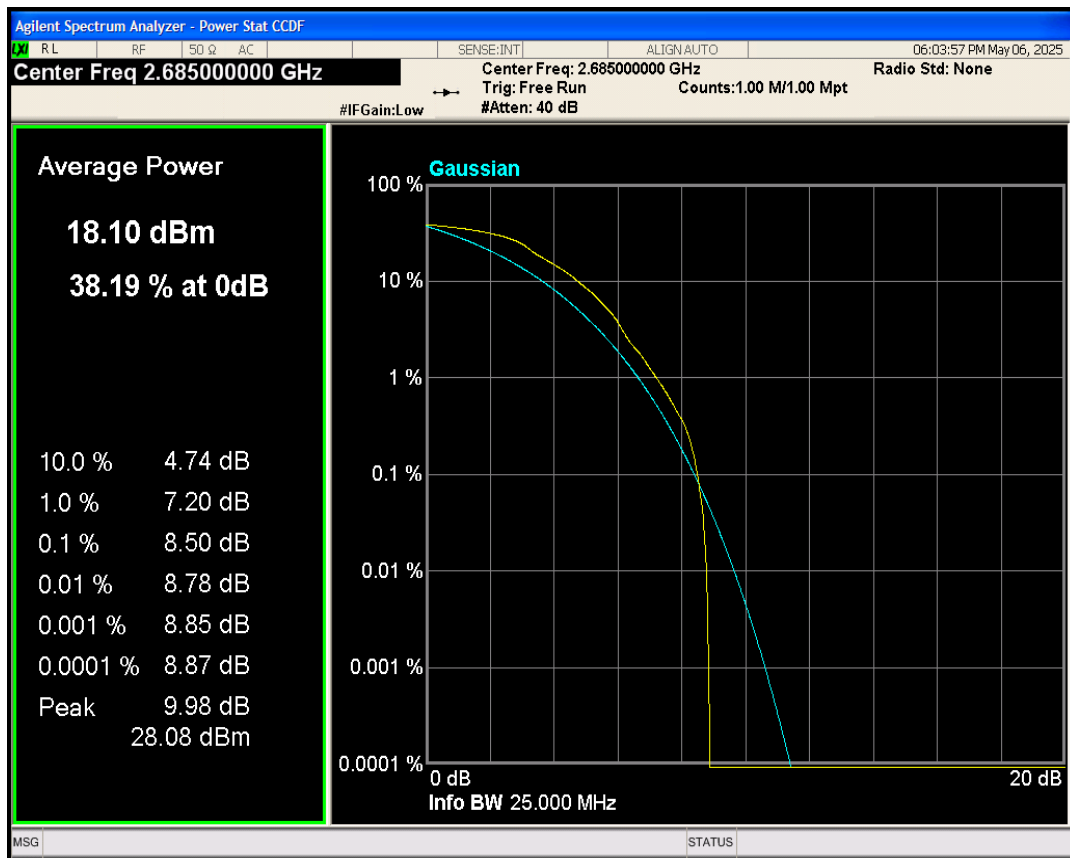


Band41 16QAM BW=10MHz Channel=40620 RB Size=1 Position=#0

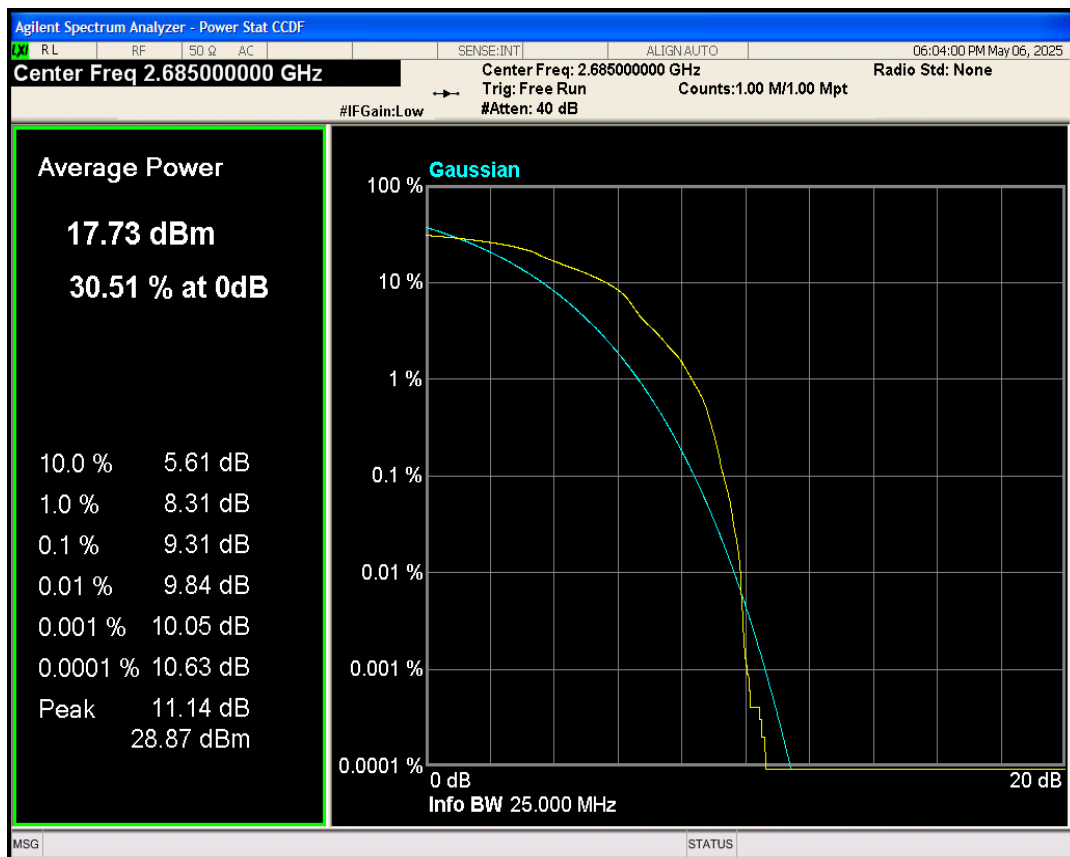




Band41 QPSK BW=10MHz Channel=41540 RB Size=1 Position=#0

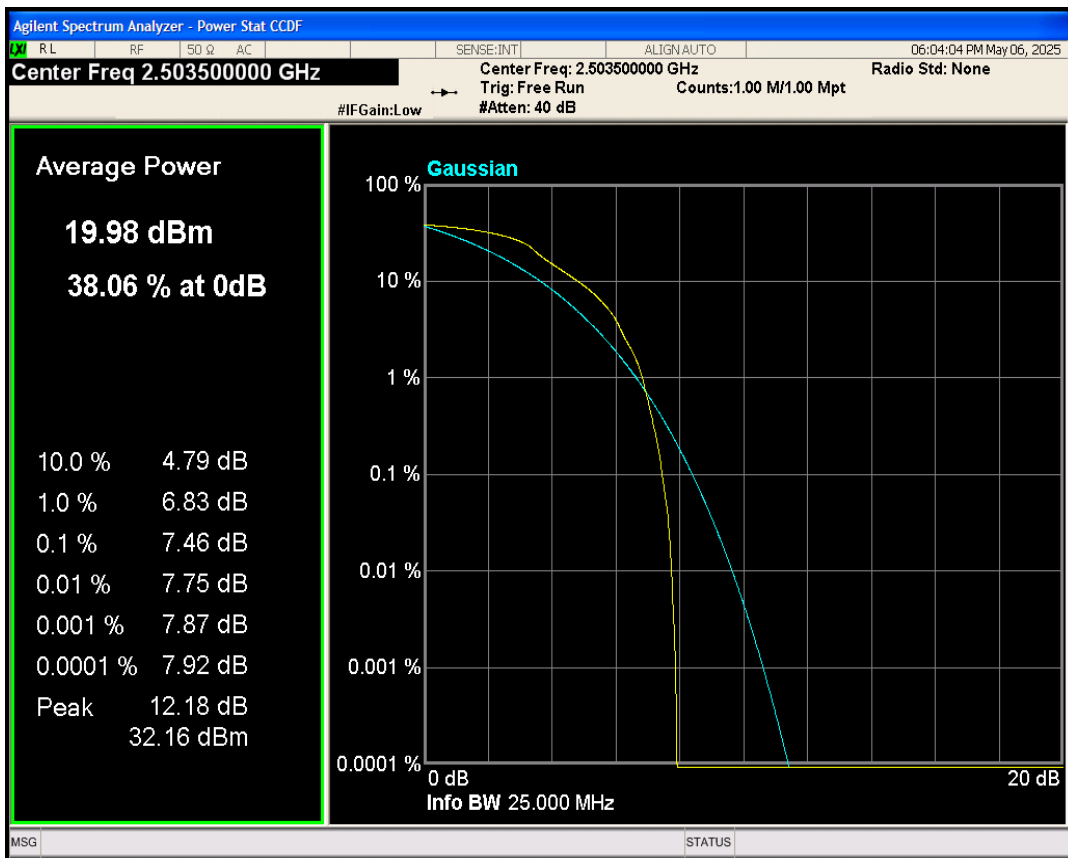


Band41 16QAM BW=10MHz Channel=41540 RB Size=1 Position=#0

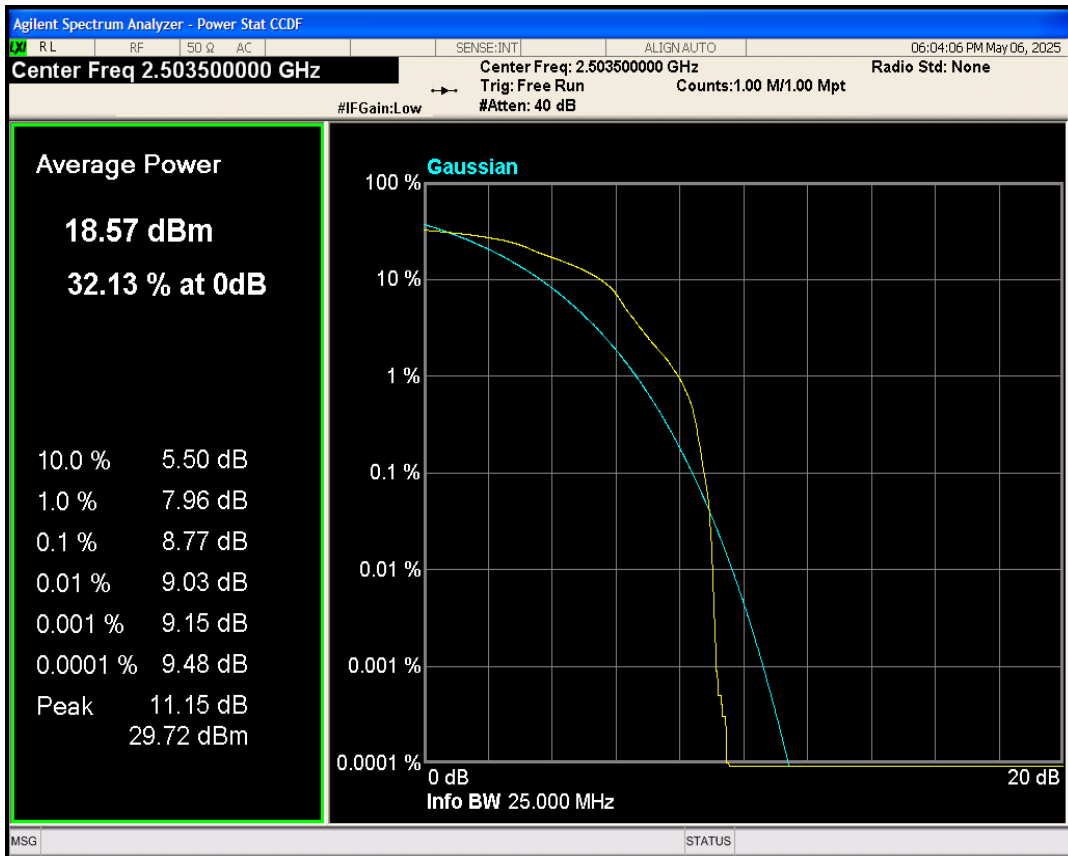




Band41 QPSK BW=15MHz Channel=39725 RB Size=1 Position=#0

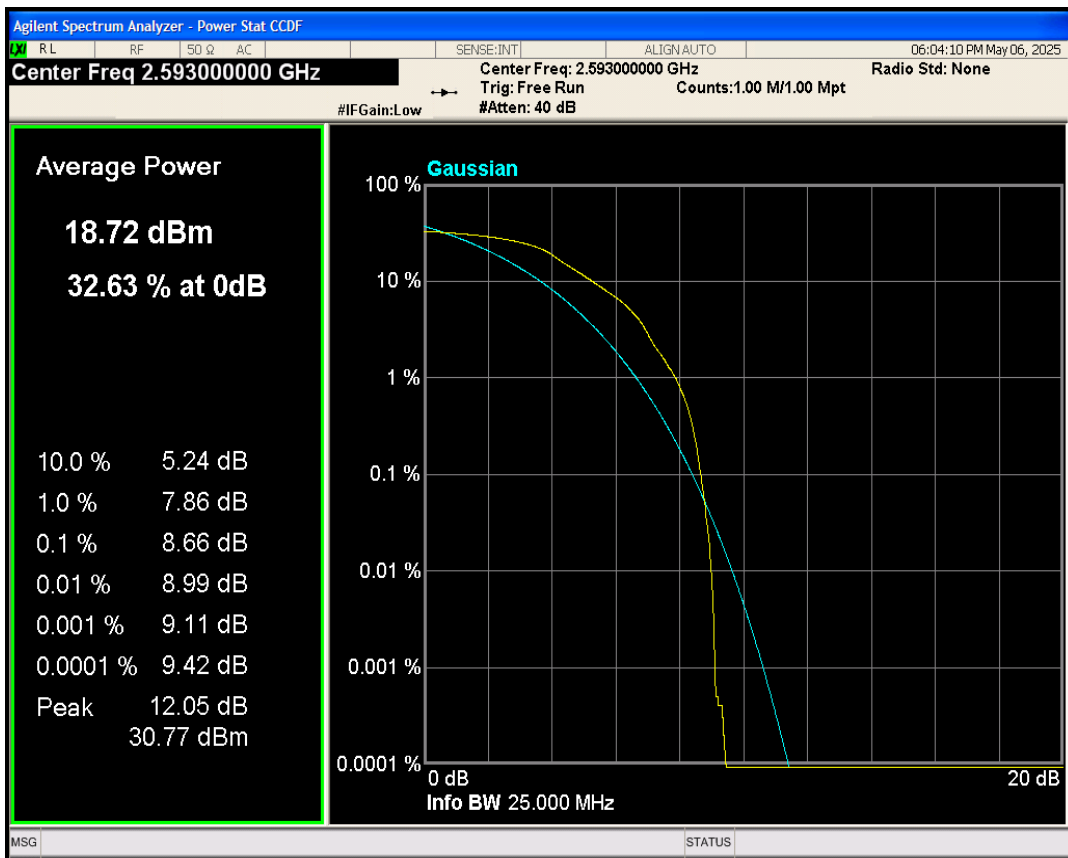


Band41 16QAM BW=15MHz Channel=39725 RB Size=1 Position=#0

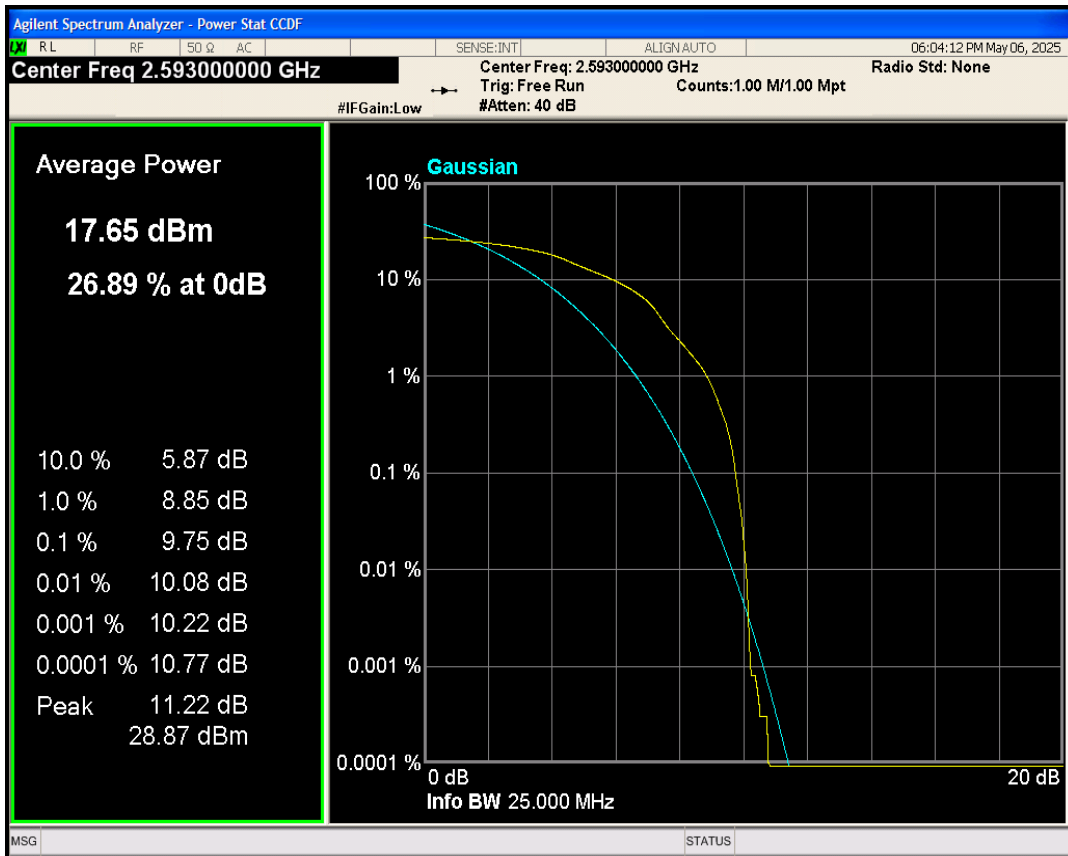




Band41 QPSK BW=15MHz Channel=40620 RB Size=1 Position=#0

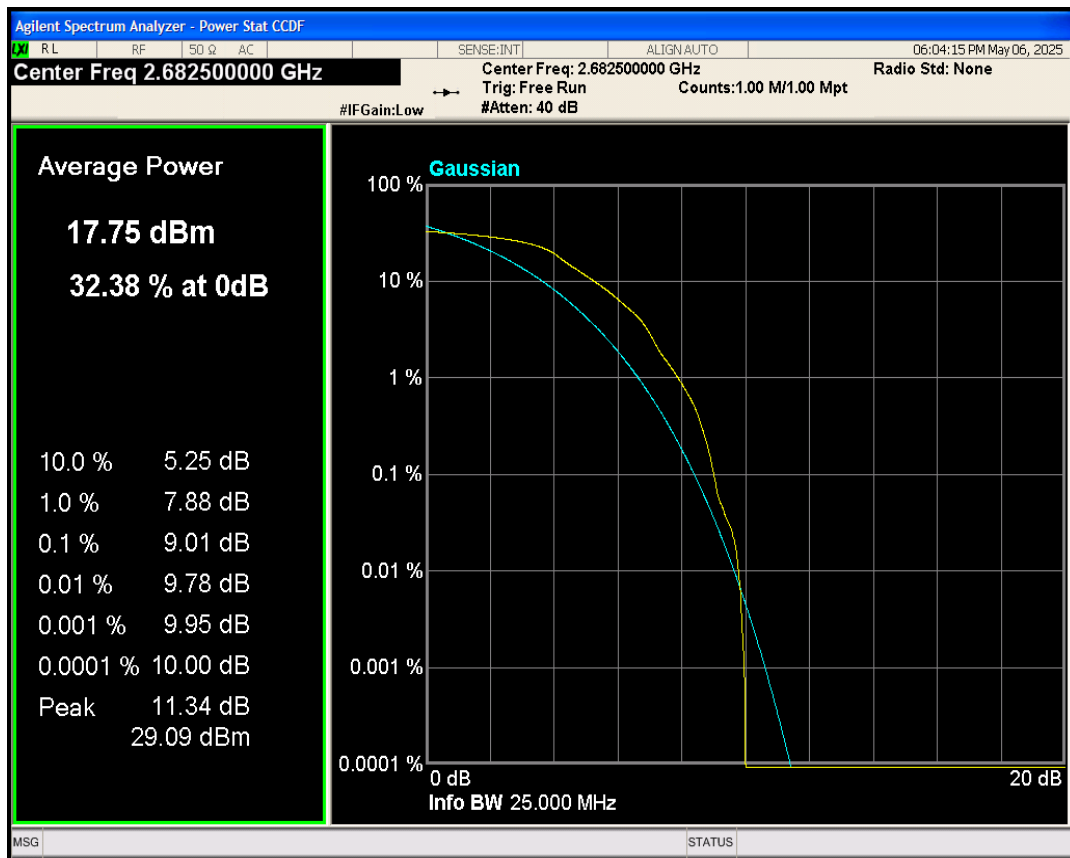


Band41 16QAM BW=15MHz Channel=40620 RB Size=1 Position=#0

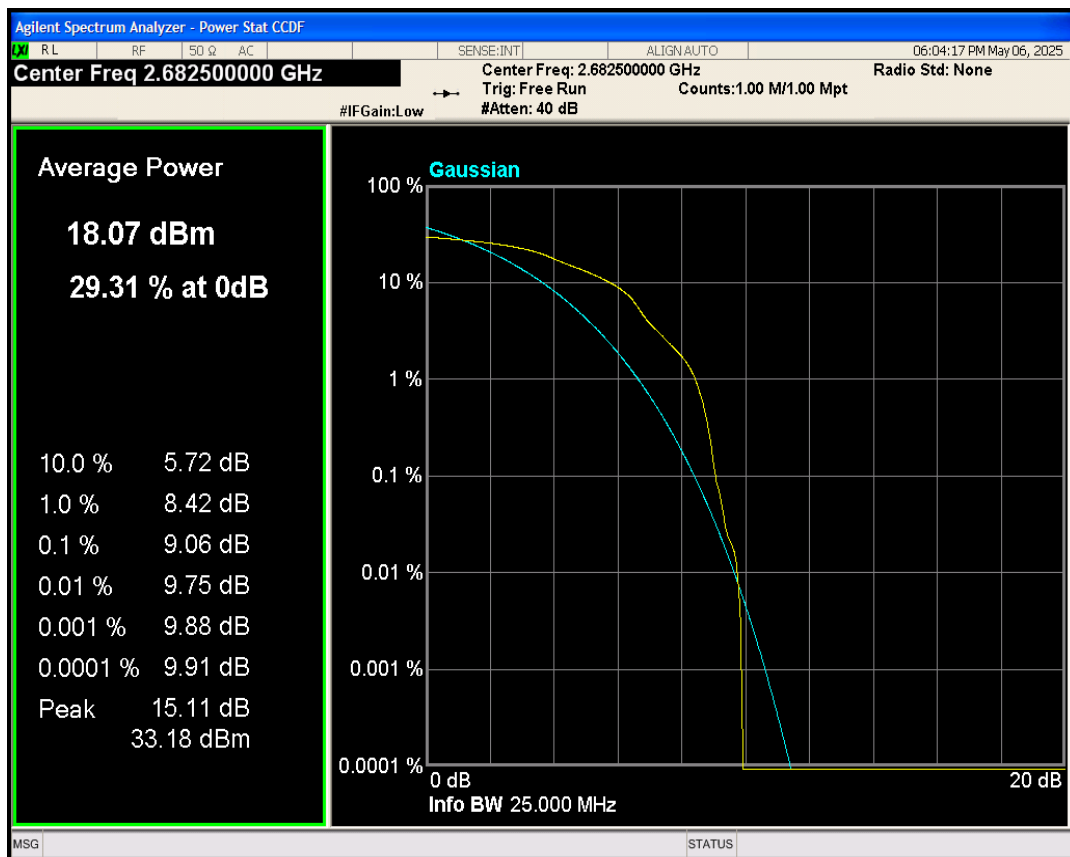




Band41 QPSK BW=15MHz Channel=41515 RB Size=1 Position=#0

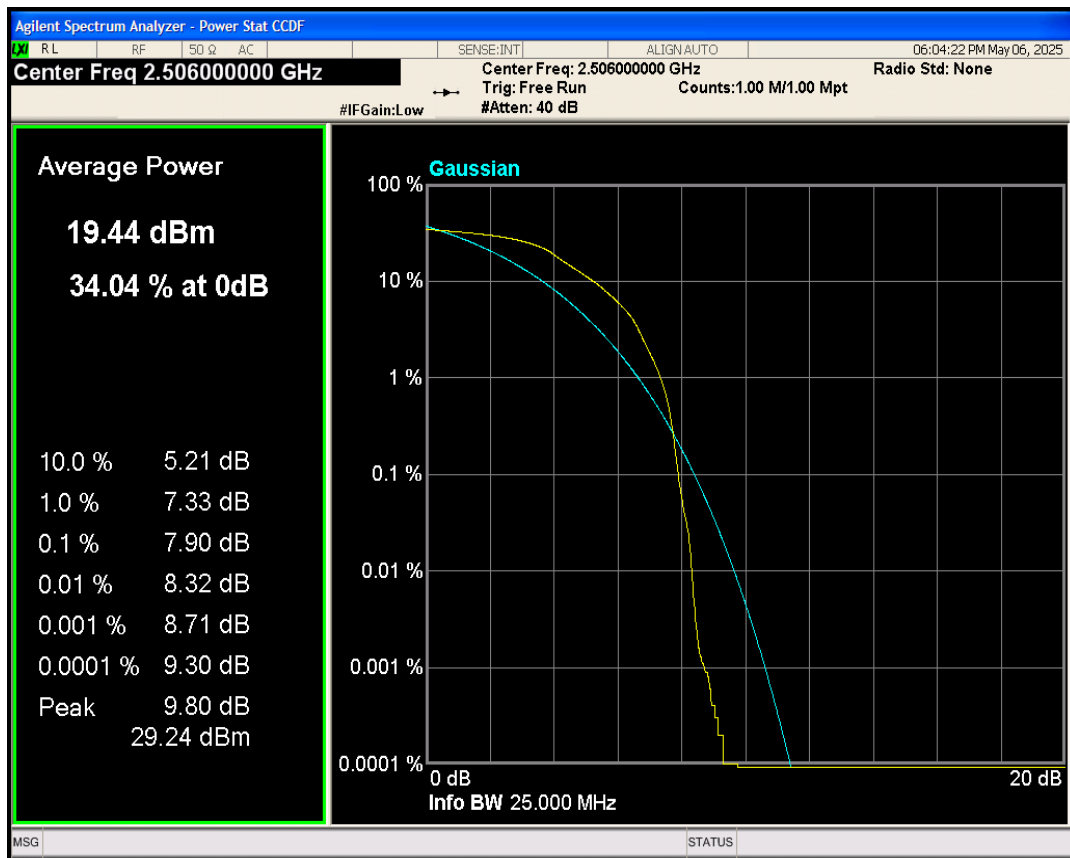


Band41 16QAM BW=15MHz Channel=41515 RB Size=1 Position=#0

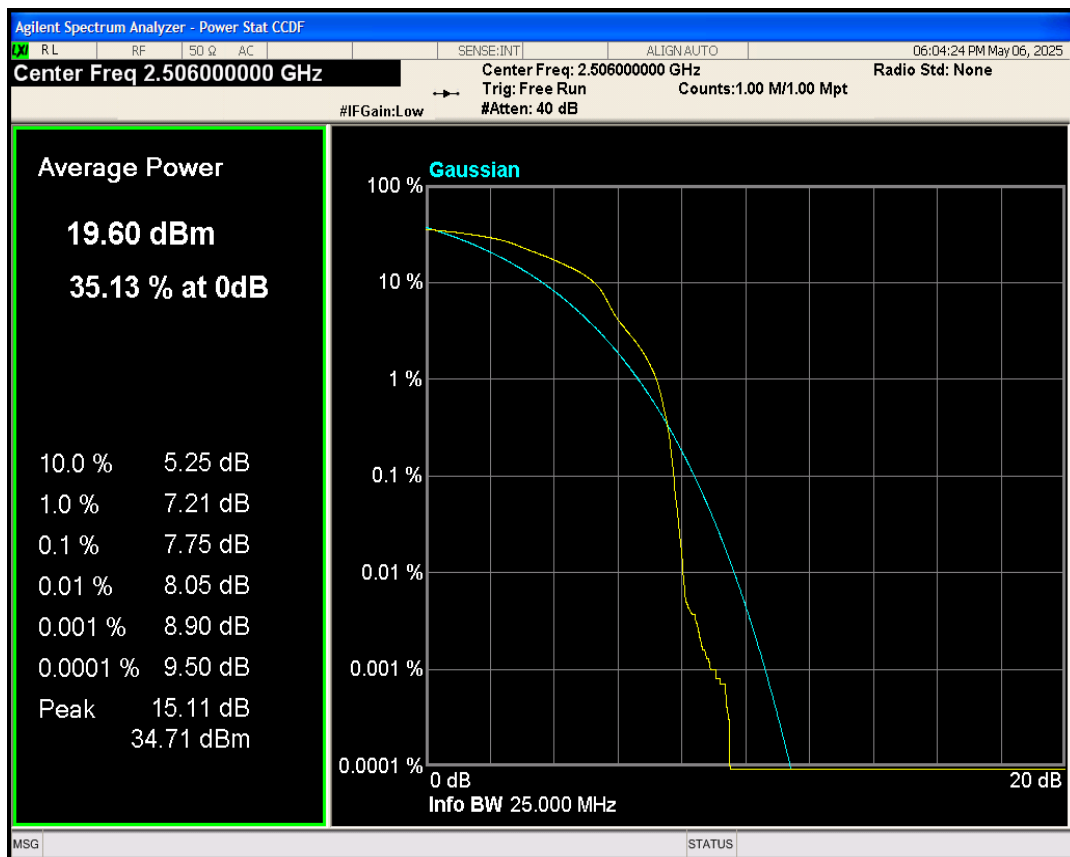




Band41 QPSK BW=20MHz Channel=39750 RB Size=1 Position=#0

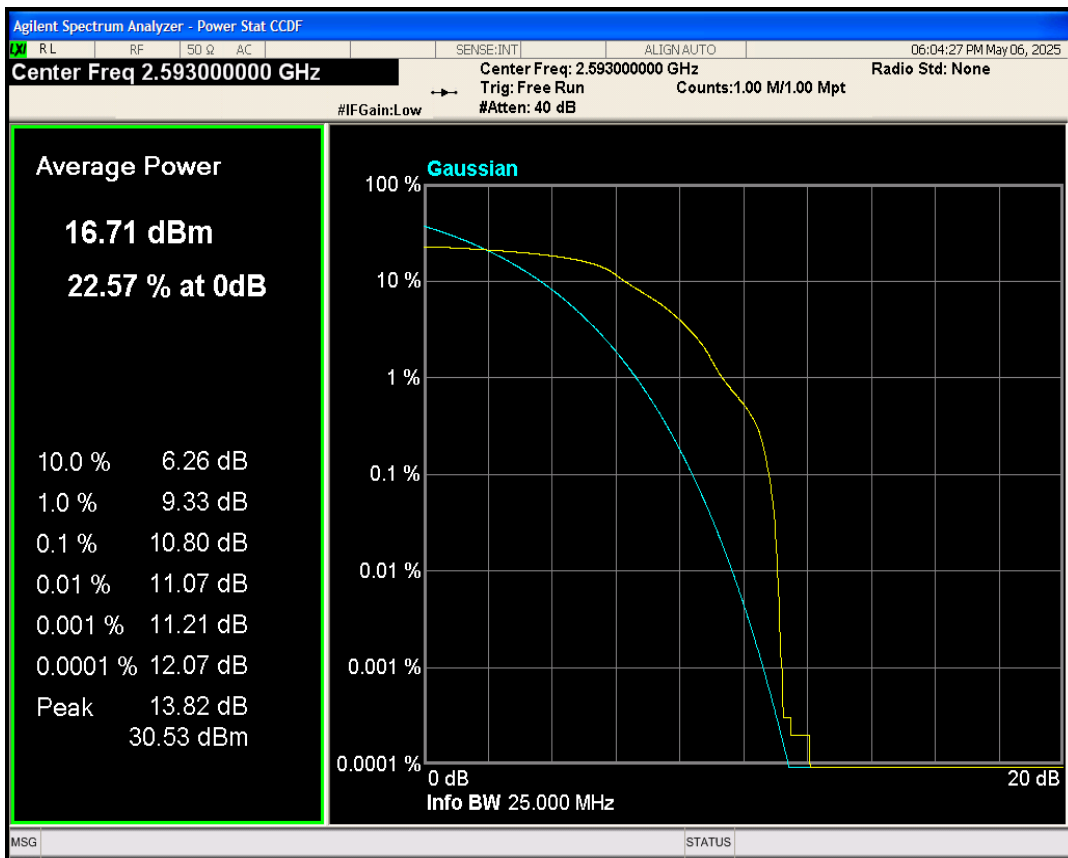


Band41 16QAM BW=20MHz Channel=39750 RB Size=1 Position=#0

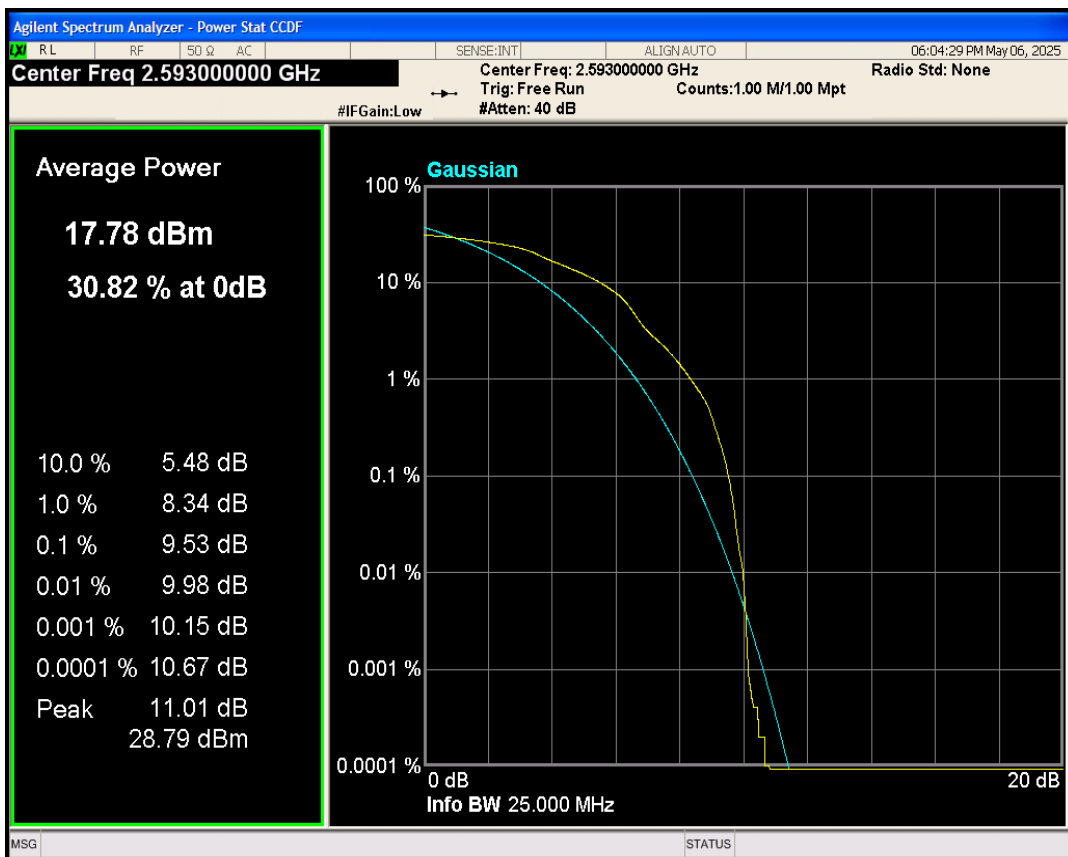




Band41 QPSK BW=20MHz Channel=40620 RB Size=1 Position=#0

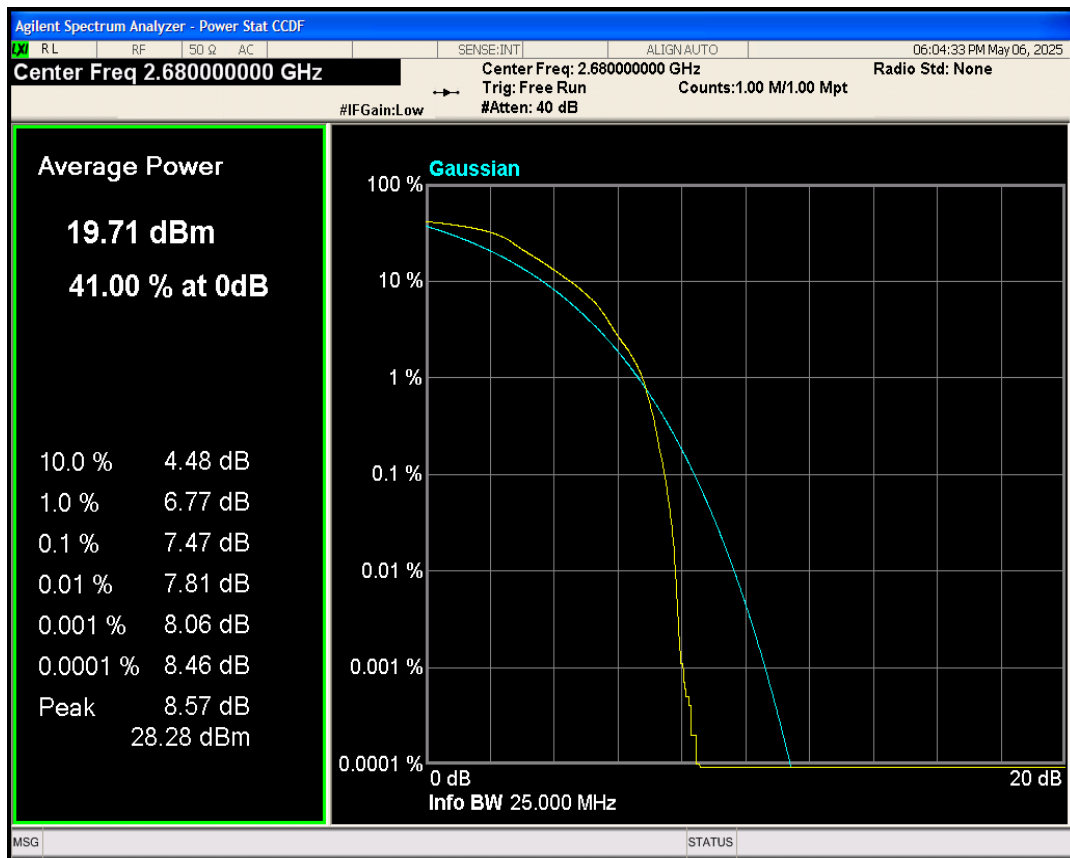


Band41 16QAM BW=20MHz Channel=40620 RB Size=1 Position=#0

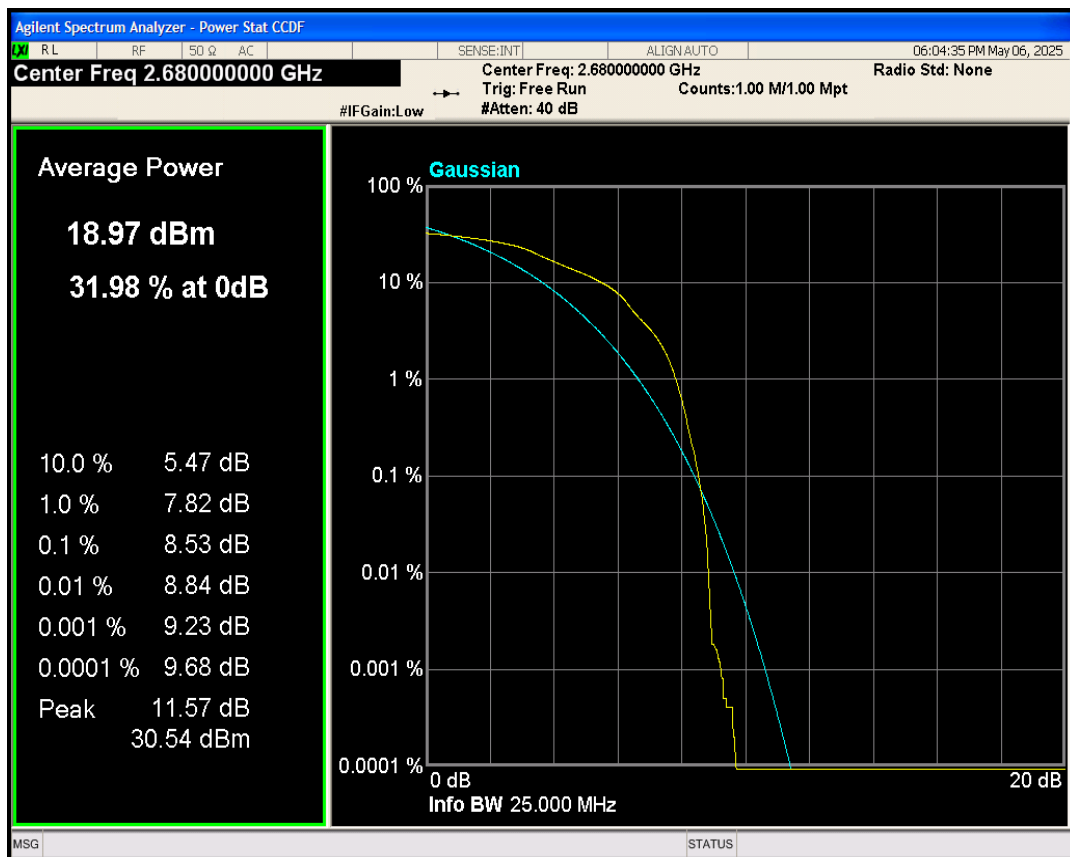




Band41 QPSK BW=20MHz Channel=41490 RB Size=1 Position=#0



Band41 16QAM BW=20MHz Channel=41490 RB Size=1 Position=#0

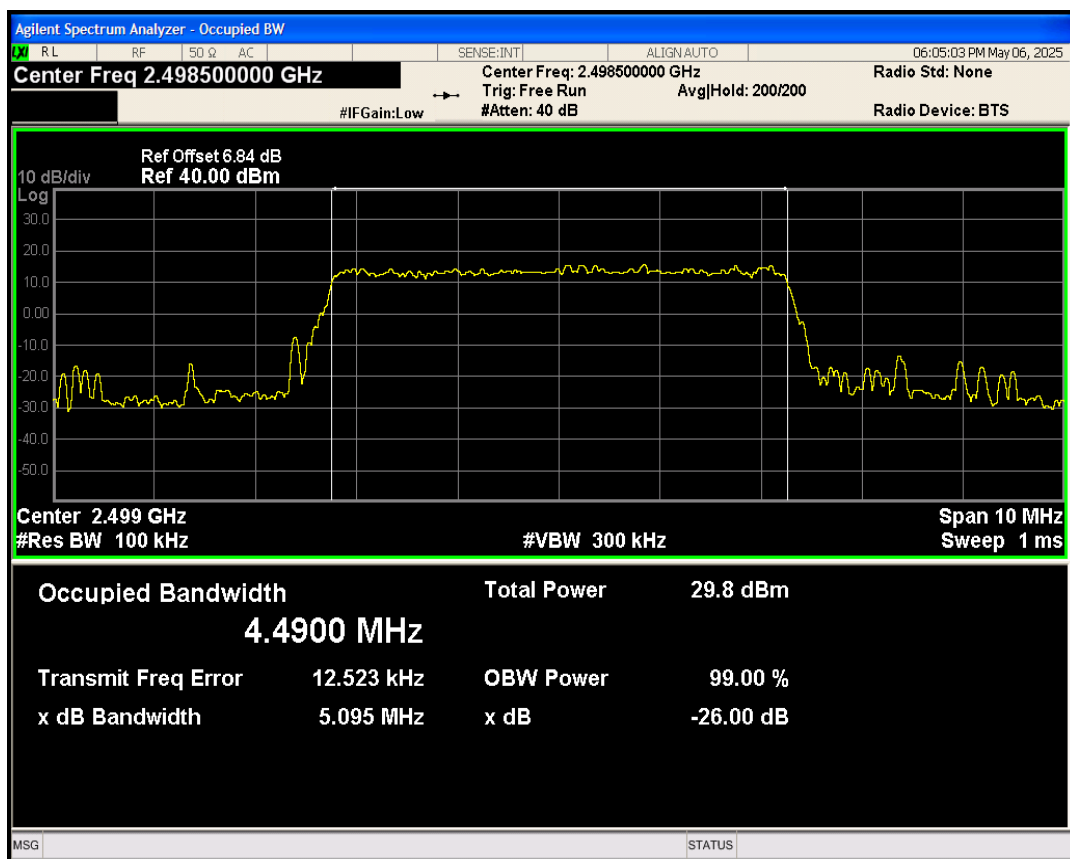


Appendix 4. Occupied bandwidth

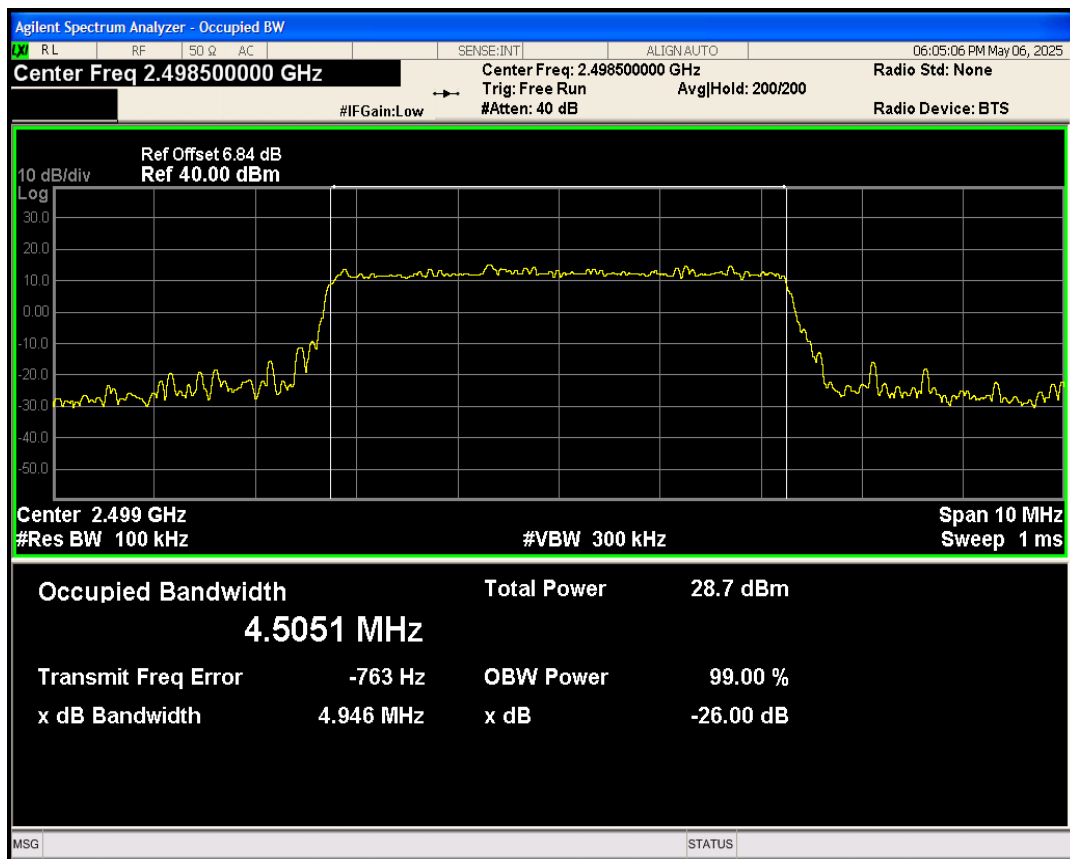
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band41	5	39675	25	#0	QPSK	4.490	5.095	PASS
Band41	5	39675	25	#0	16QAM	4.505	4.946	PASS
Band41	5	40620	25	#0	QPSK	4.503	5.024	PASS
Band41	5	40620	25	#0	16QAM	4.517	4.882	PASS
Band41	5	41565	25	#0	QPSK	4.514	4.943	PASS
Band41	5	41565	25	#0	16QAM	4.478	5.187	PASS
Band41	10	39700	50	#0	QPSK	8.986	9.837	PASS
Band41	10	39700	50	#0	16QAM	8.990	9.795	PASS
Band41	10	40620	50	#0	QPSK	8.993	10.574	PASS
Band41	10	40620	50	#0	16QAM	8.949	9.763	PASS
Band41	10	41540	50	#0	QPSK	8.995	9.943	PASS
Band41	10	41540	50	#0	16QAM	9.014	9.809	PASS
Band41	15	39725	75	#0	QPSK	13.481	14.933	PASS
Band41	15	39725	75	#0	16QAM	13.432	14.667	PASS
Band41	15	40620	75	#0	QPSK	13.485	14.618	PASS
Band41	15	40620	75	#0	16QAM	13.448	14.899	PASS
Band41	15	41515	75	#0	QPSK	13.468	14.905	PASS
Band41	15	41515	75	#0	16QAM	13.534	14.669	PASS
Band41	20	39750	100	#0	QPSK	18.011	19.431	PASS
Band41	20	39750	100	#0	16QAM	17.957	20.389	PASS
Band41	20	40620	100	#0	QPSK	17.893	19.529	PASS
Band41	20	40620	100	#0	16QAM	17.906	19.219	PASS
Band41	20	41490	100	#0	QPSK	18.016	19.571	PASS
Band41	20	41490	100	#0	16QAM	18.044	19.778	PASS



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

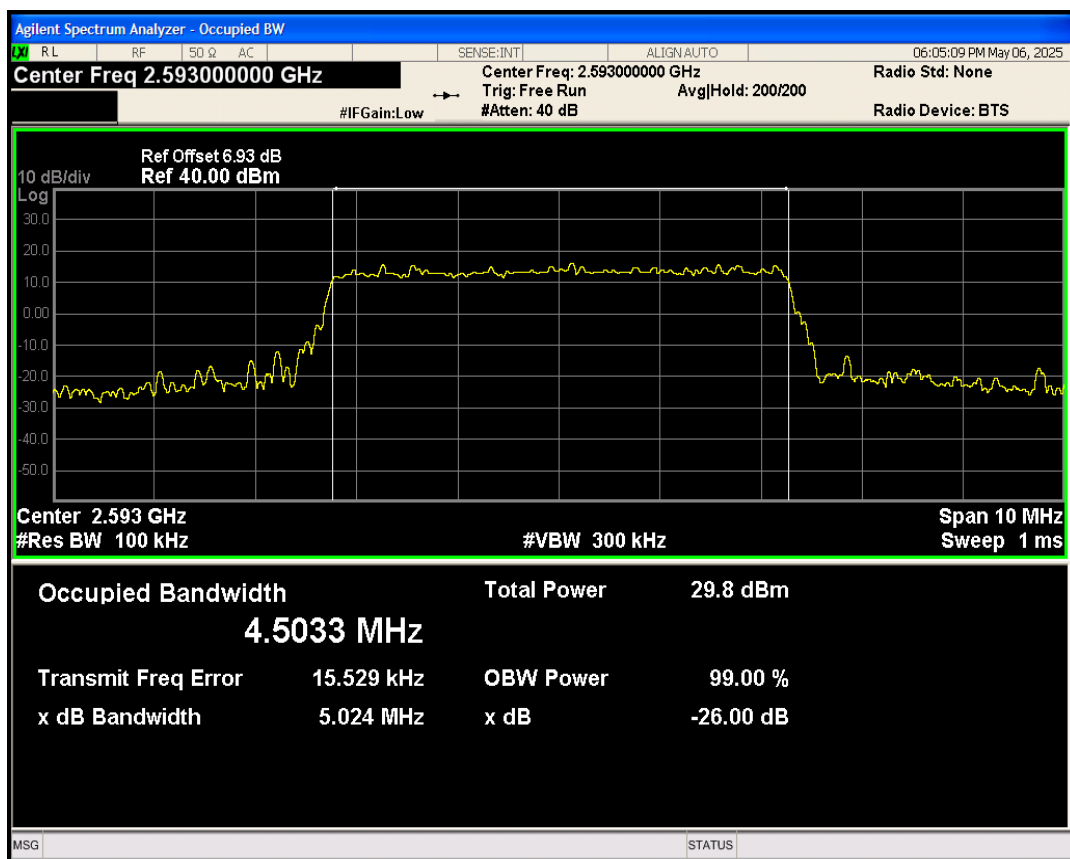


Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0

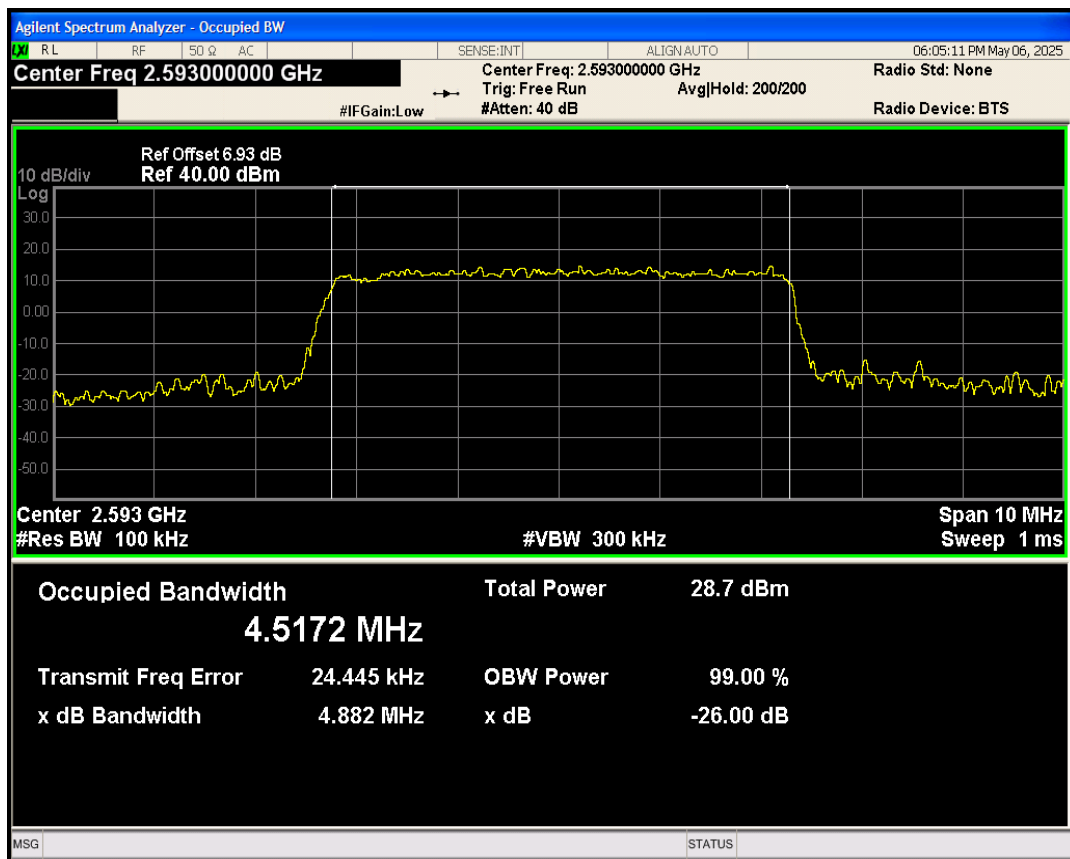




Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0

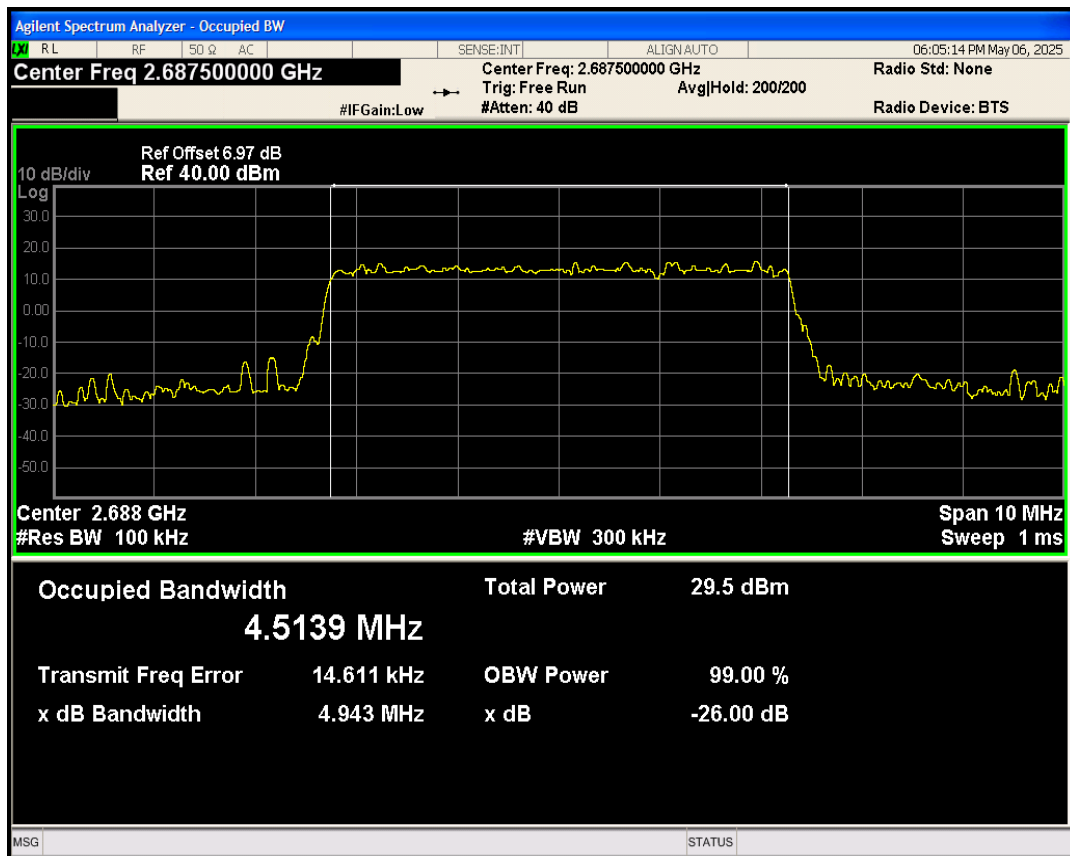


Band41 16QAM BW=5MHz Channel=40620 RB Size=25 Position=#0

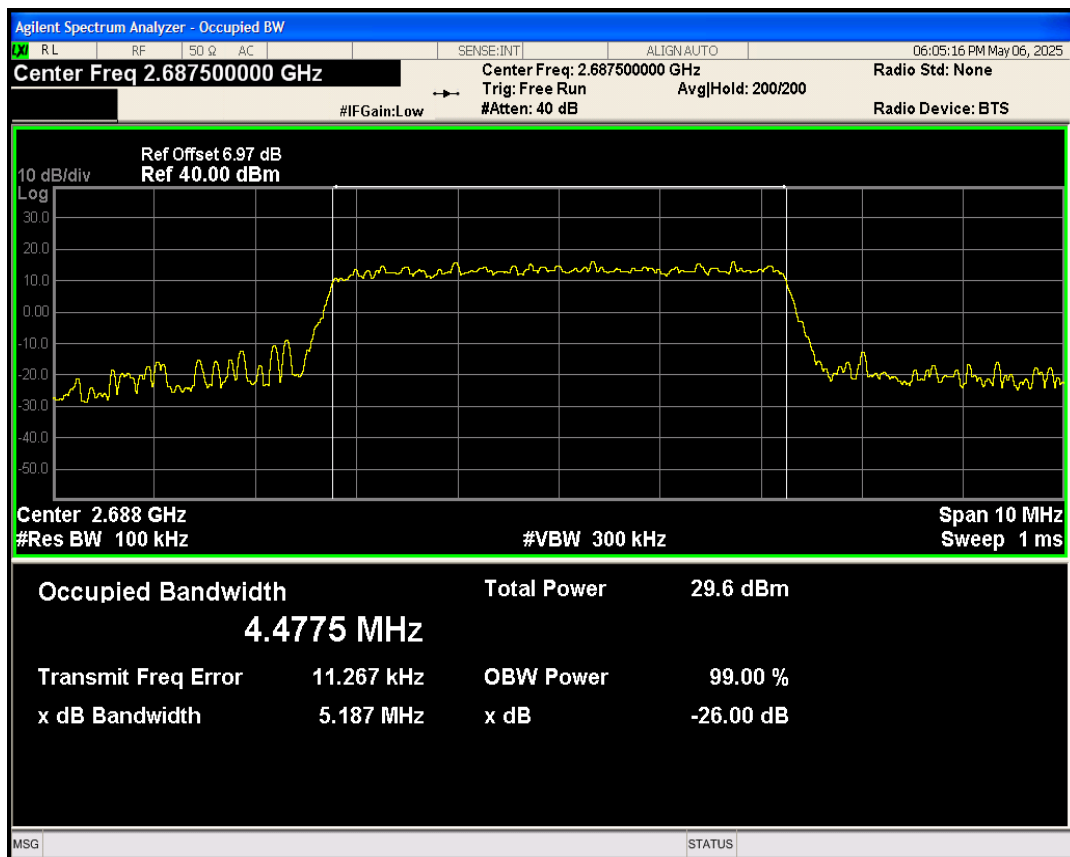




Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0

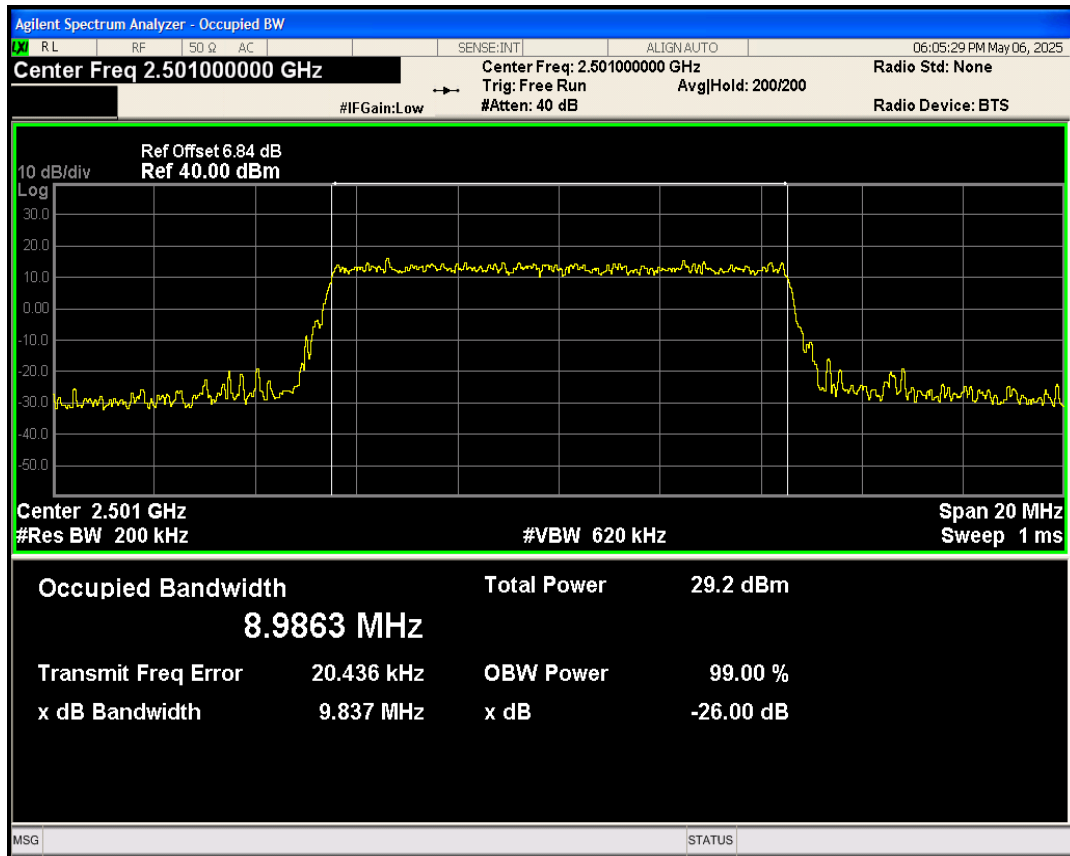


Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0

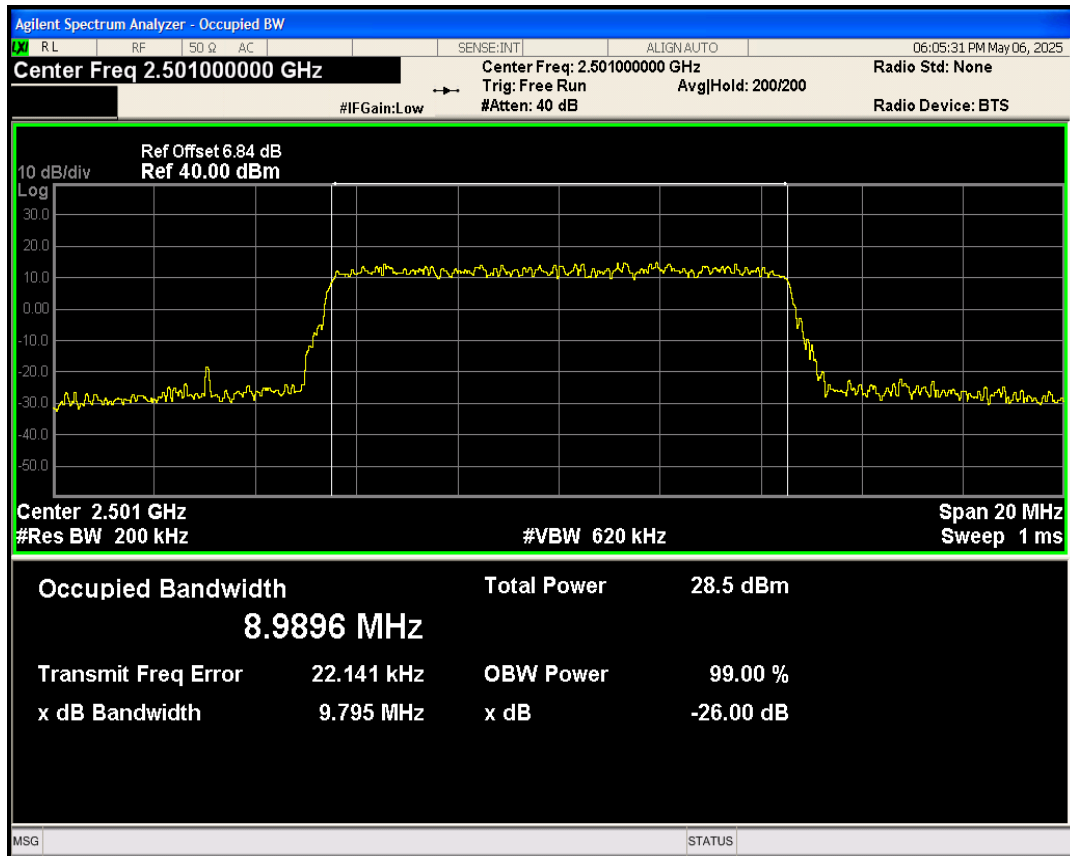




Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0

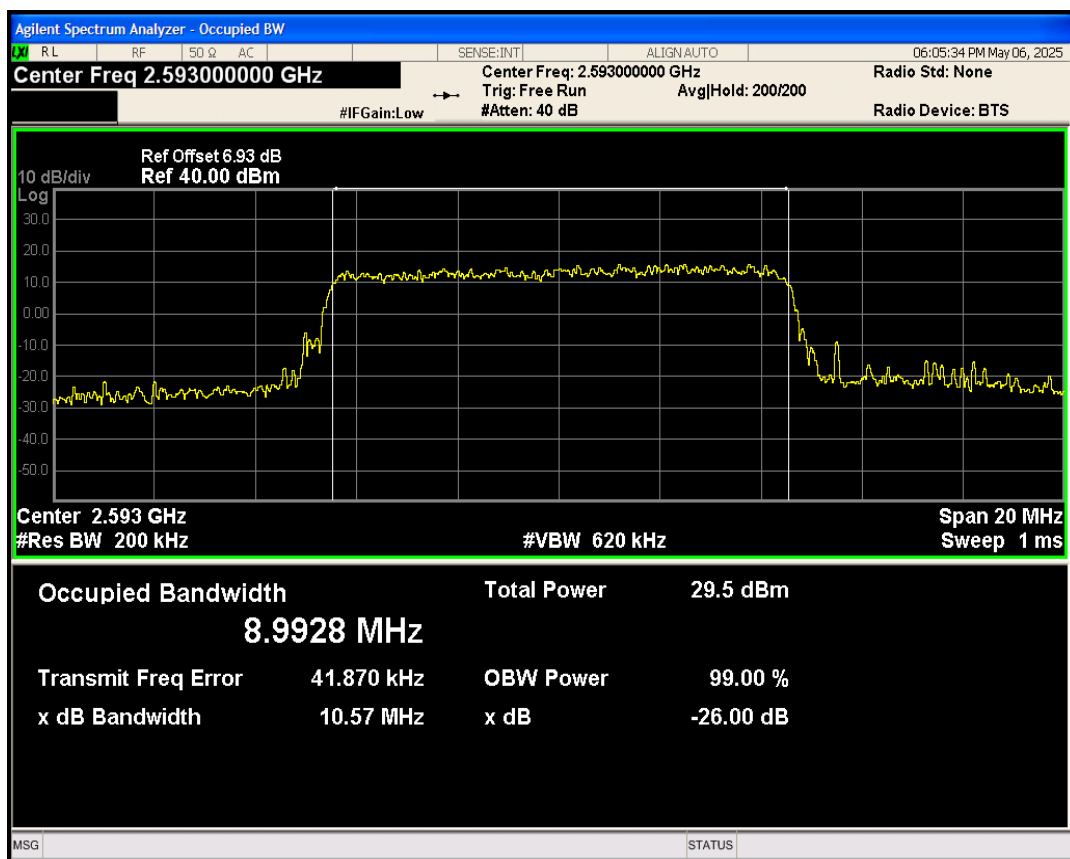


Band41 16QAM BW=10MHz Channel=39700 RB Size=50 Position=#0

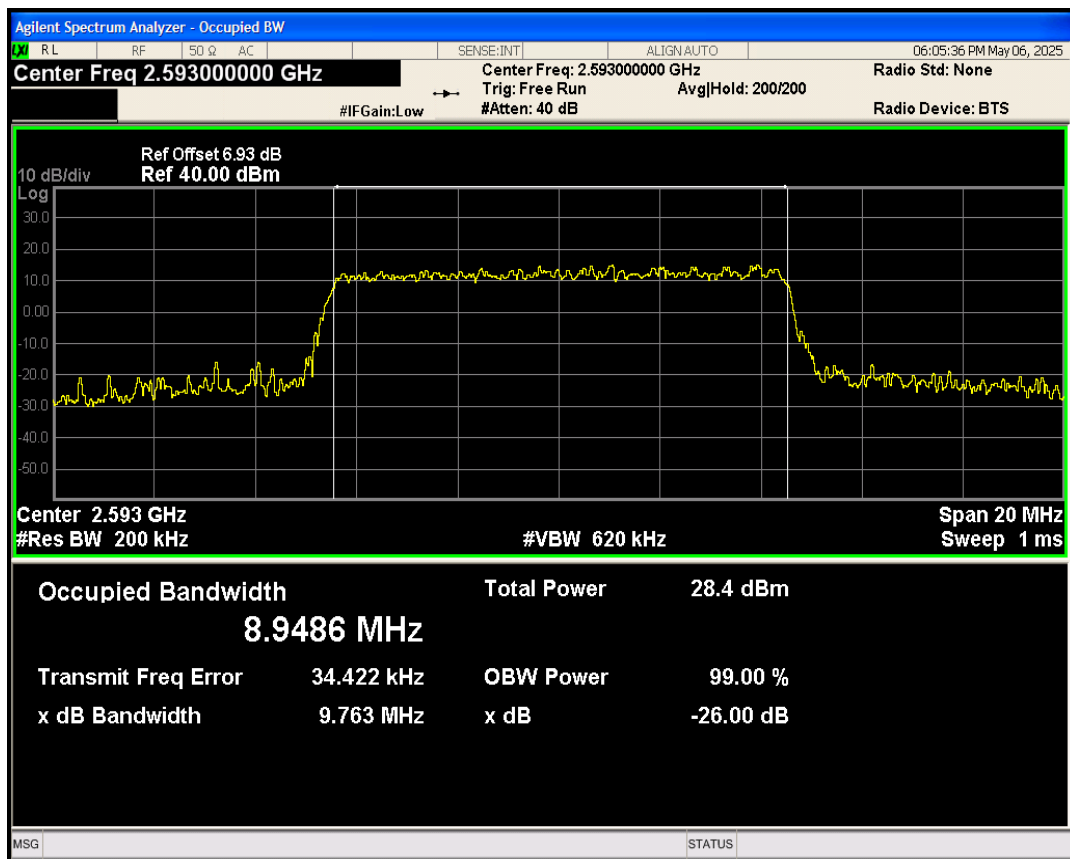




Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0

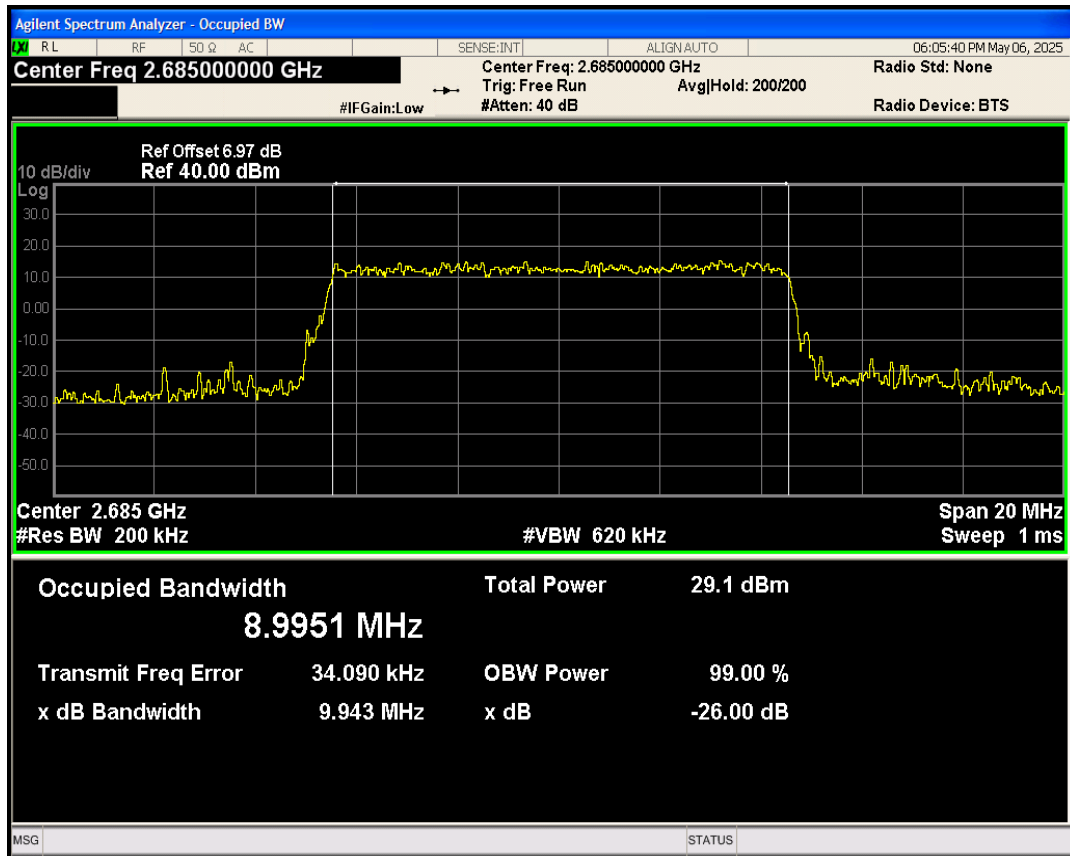


Band41 16QAM BW=10MHz Channel=40620 RB Size=50 Position=#0

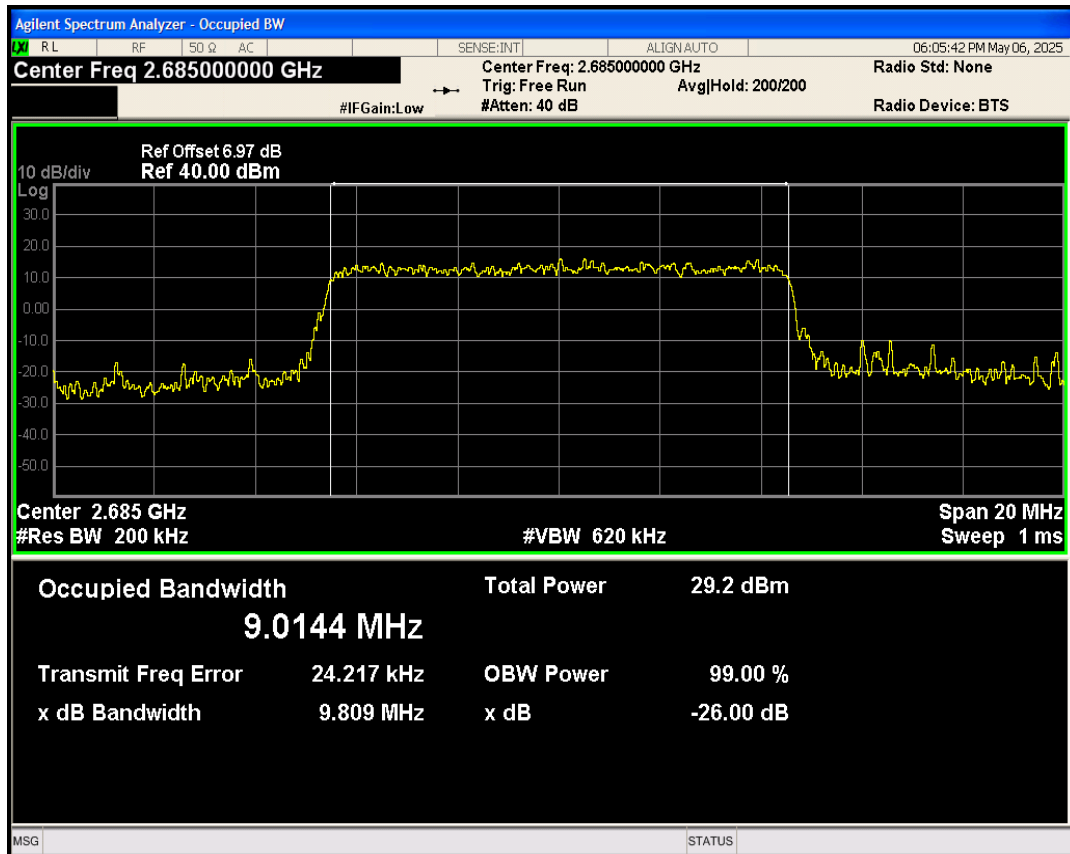




Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0

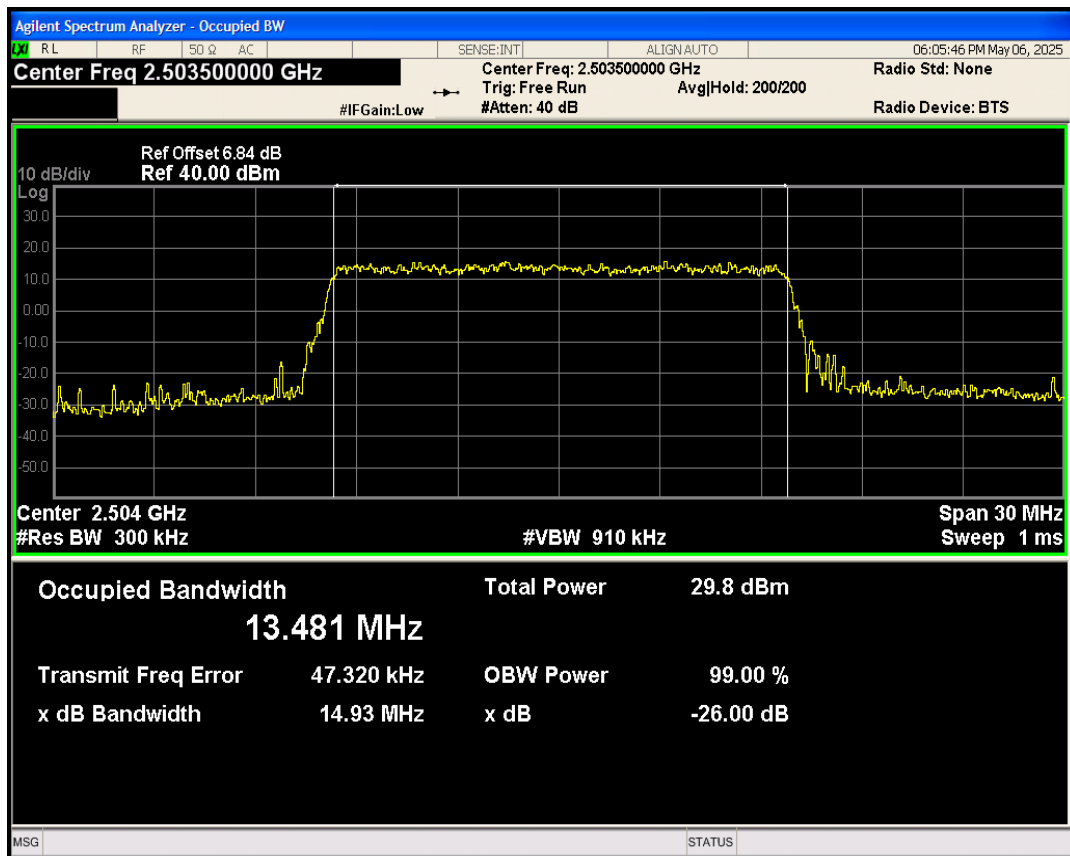


Band41 16QAM BW=10MHz Channel=41540 RB Size=50 Position=#0

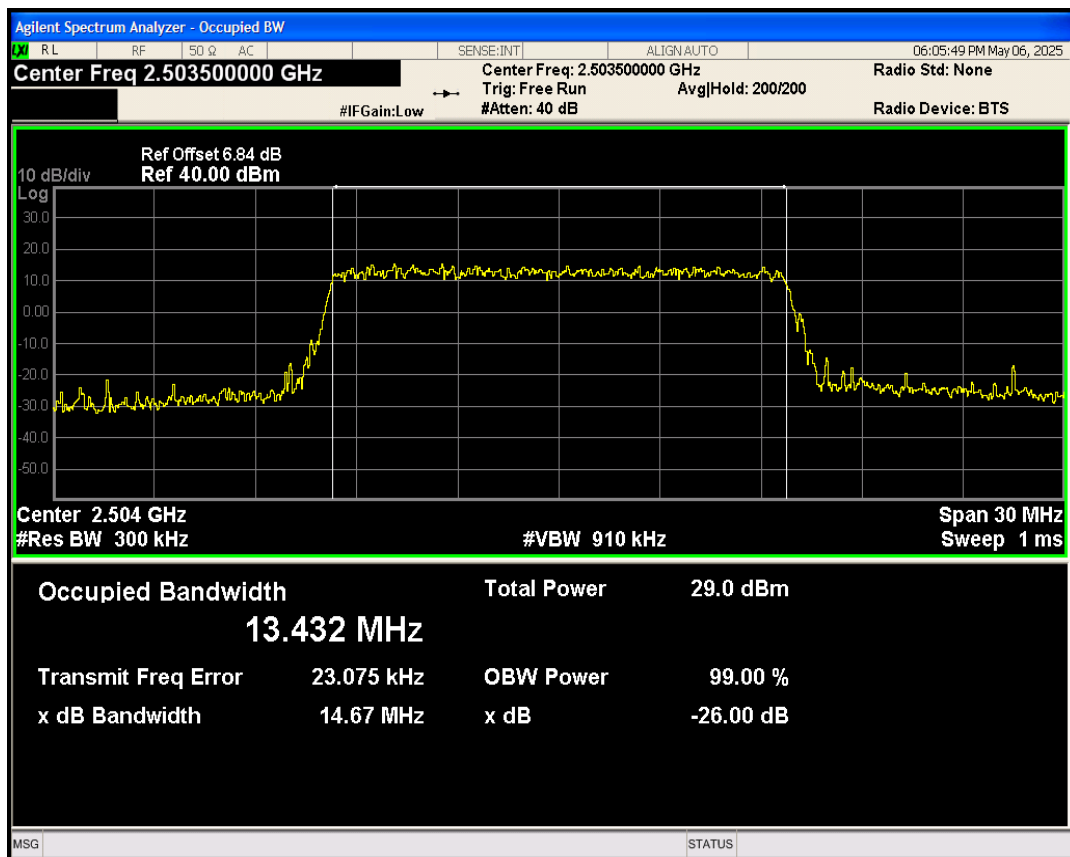




Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0

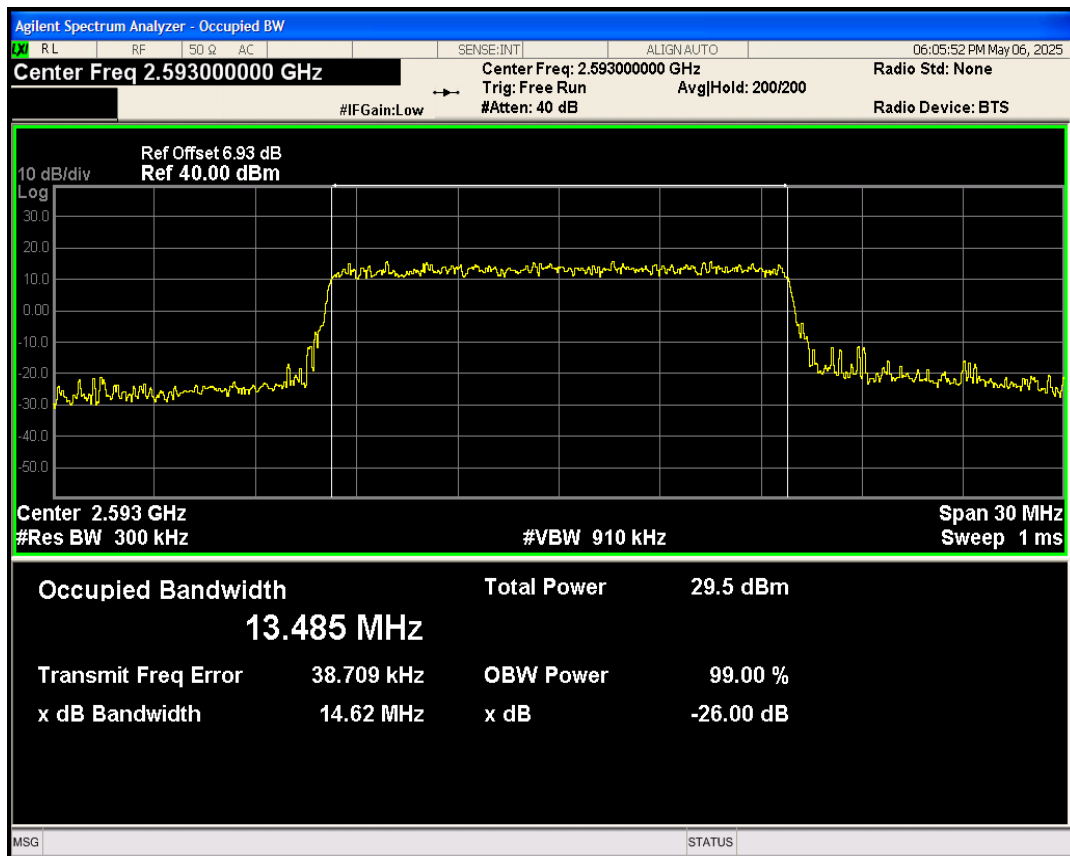


Band41 16QAM BW=15MHz Channel=39725 RB Size=75 Position=#0

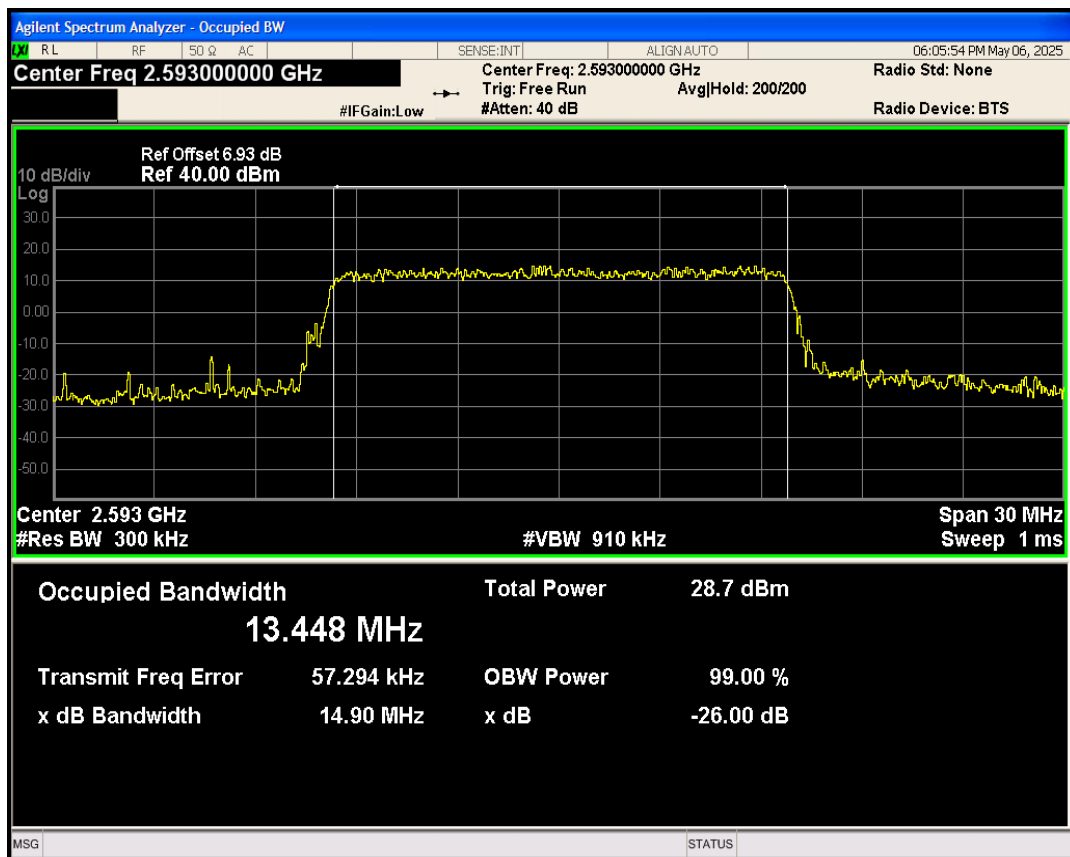




Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0

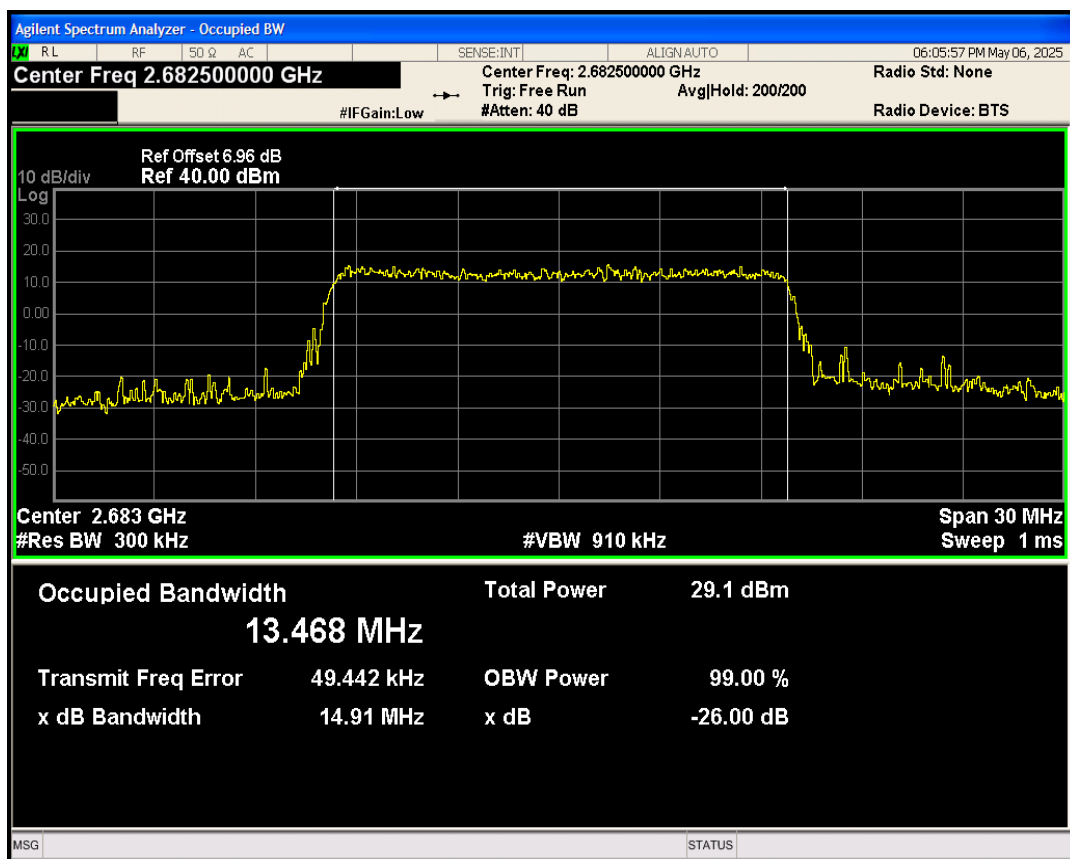


Band41 16QAM BW=15MHz Channel=40620 RB Size=75 Position=#0

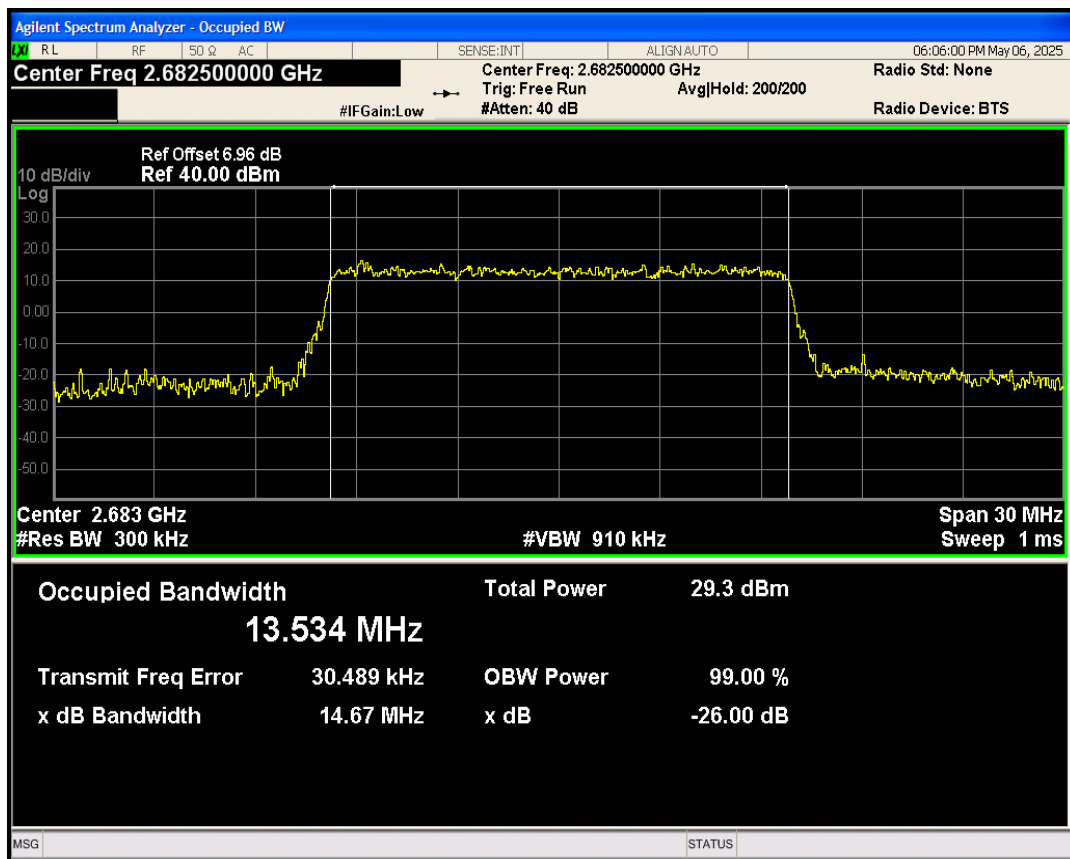




Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0

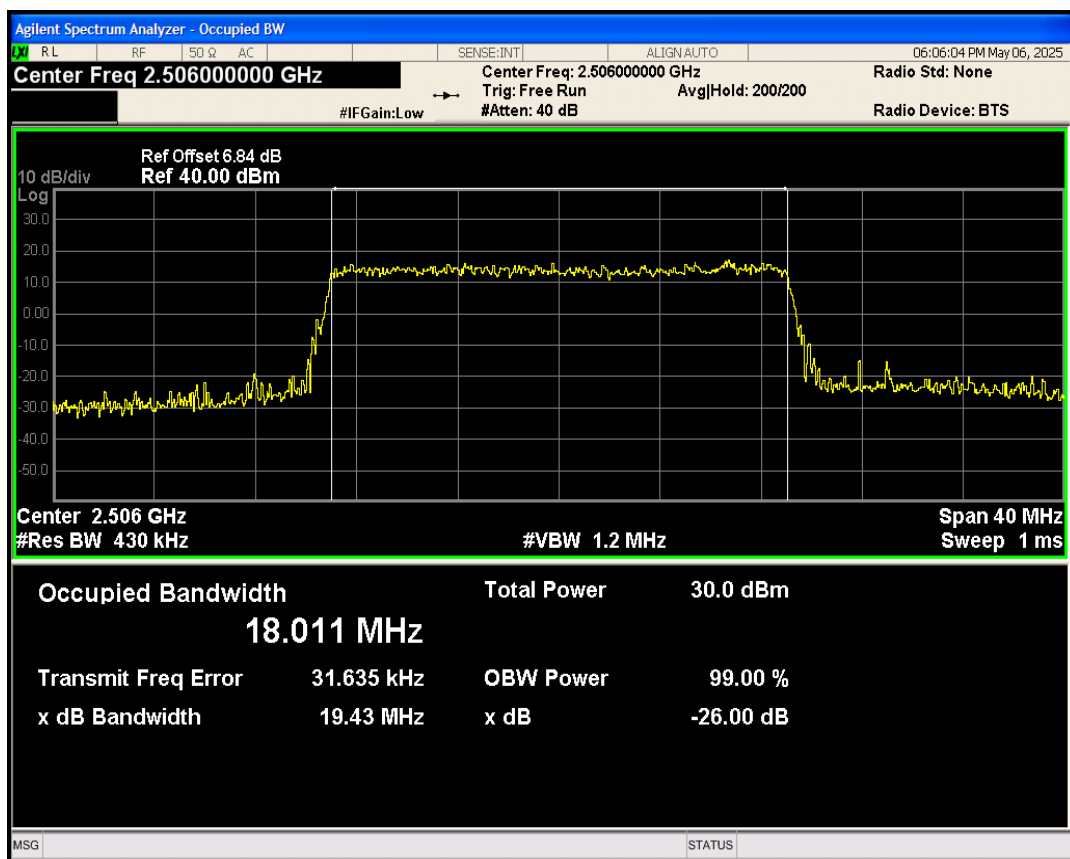


Band41 16QAM BW=15MHz Channel=41515 RB Size=75 Position=#0

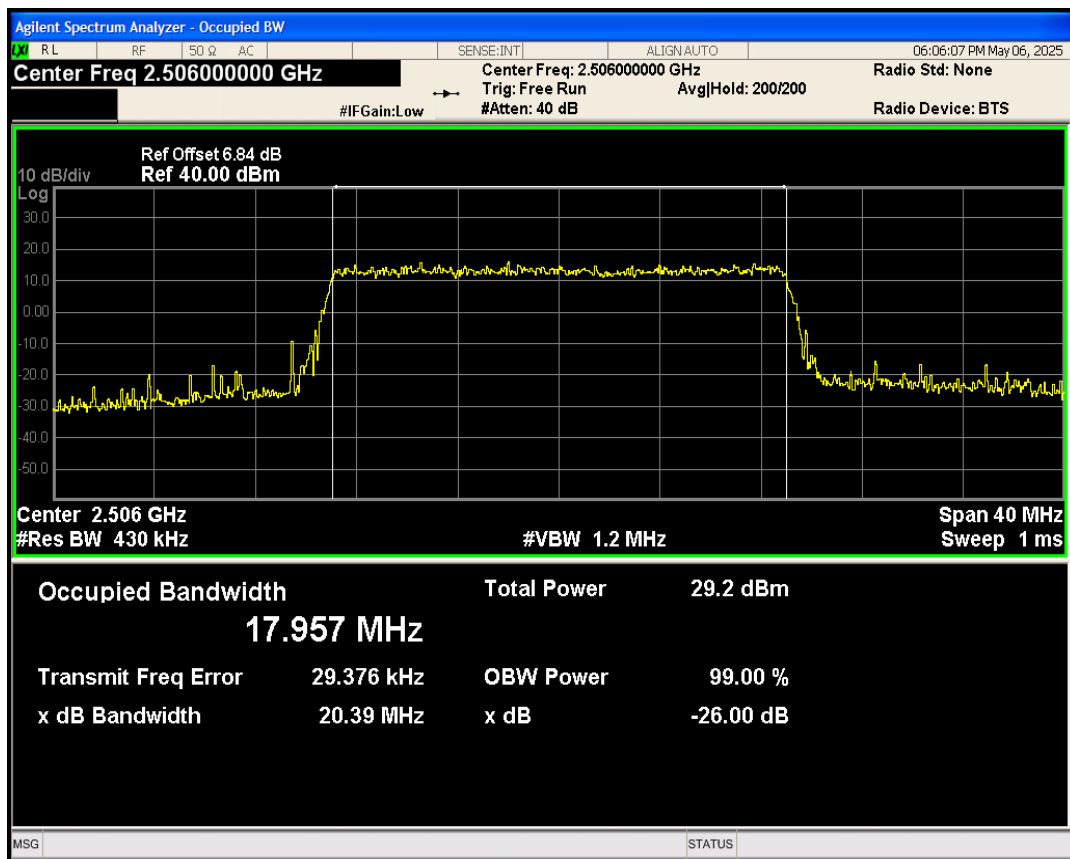




Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0

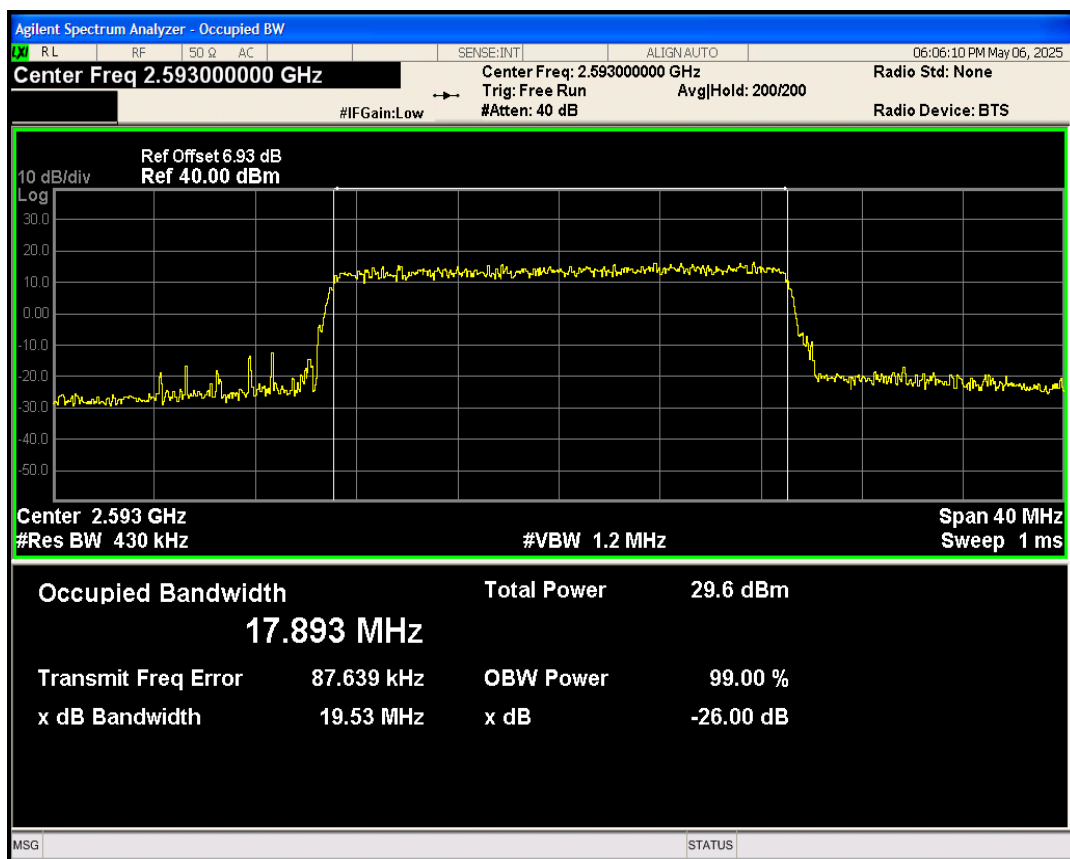


Band41 16QAM BW=20MHz Channel=39750 RB Size=100 Position=#0

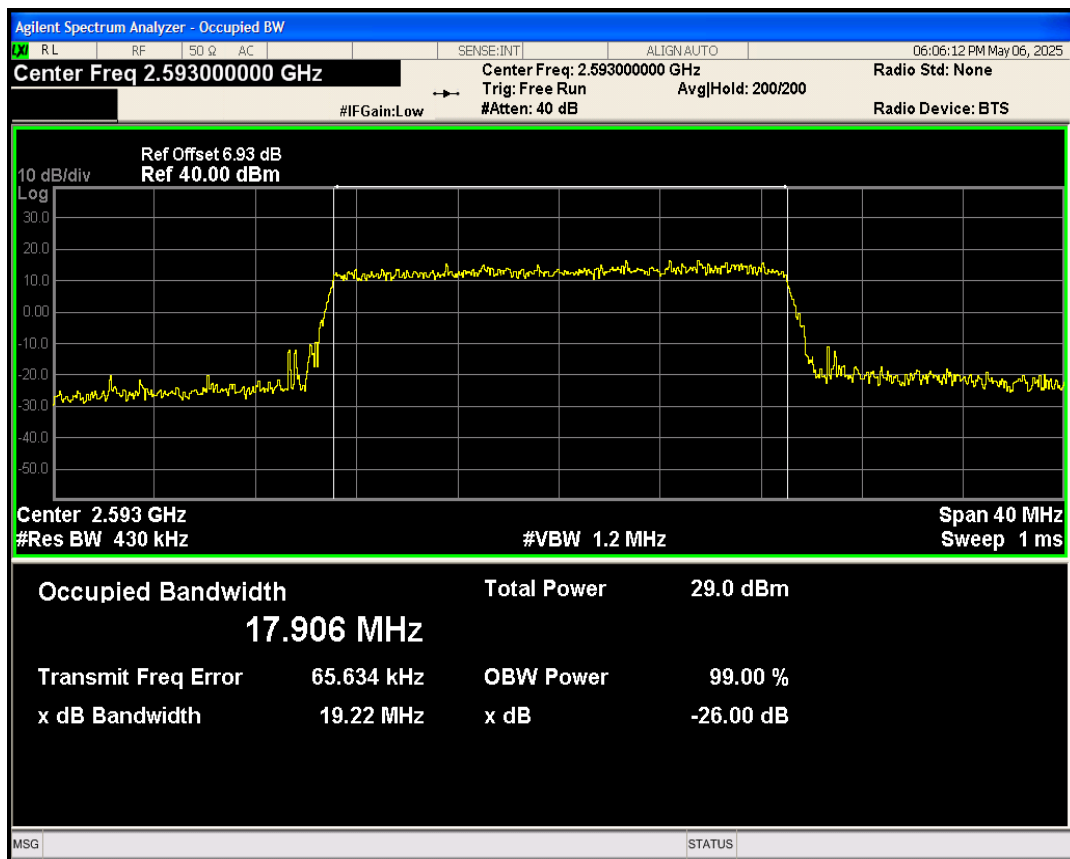




Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0

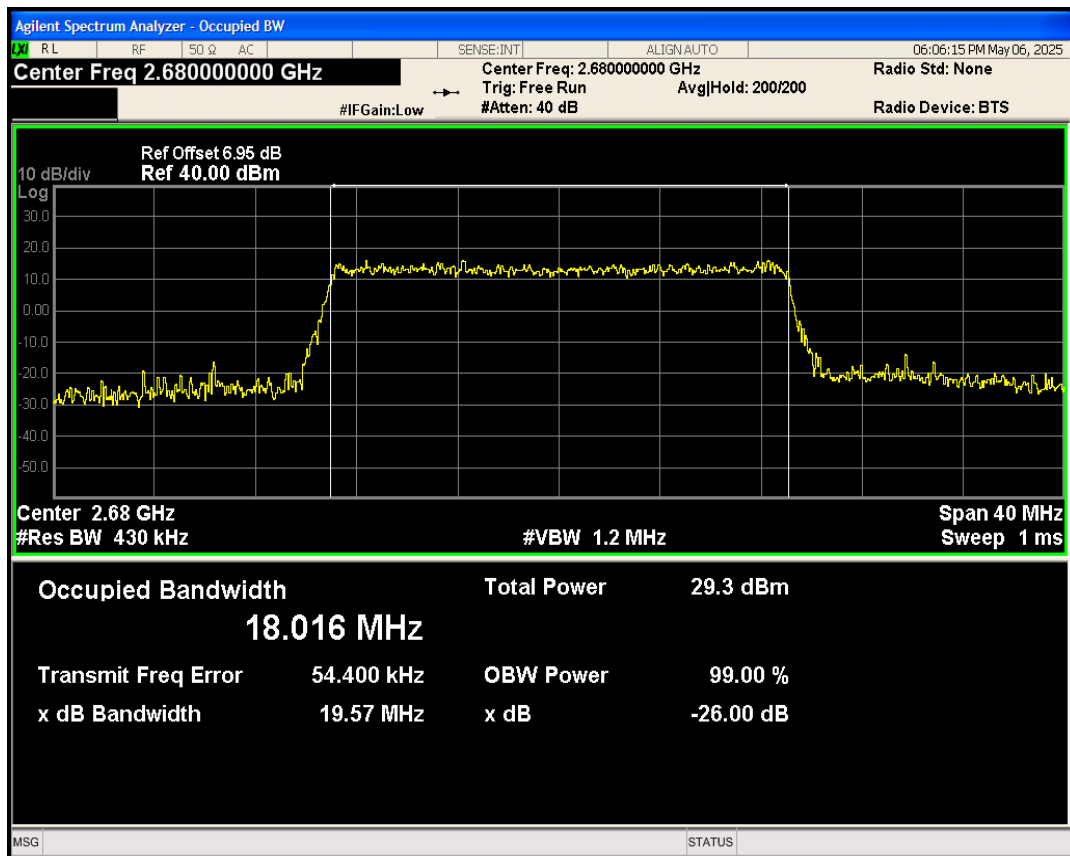


Band41 16QAM BW=20MHz Channel=40620 RB Size=100 Position=#0

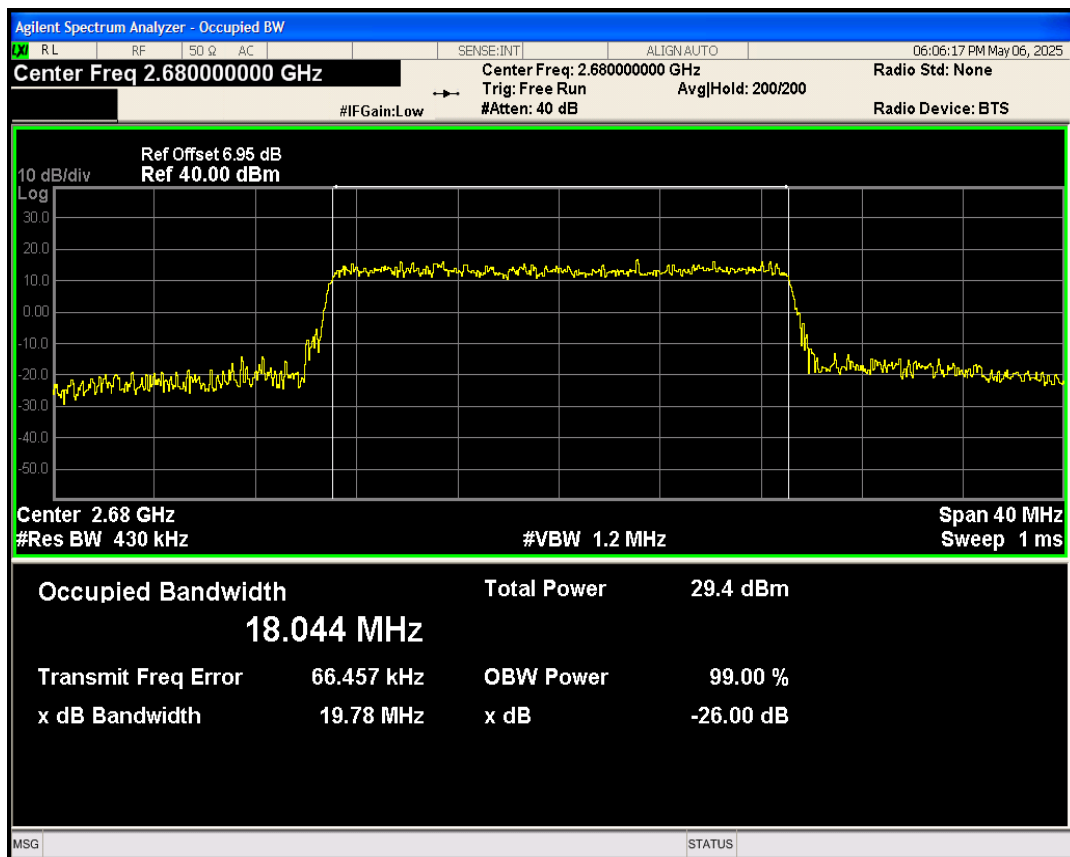




Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0

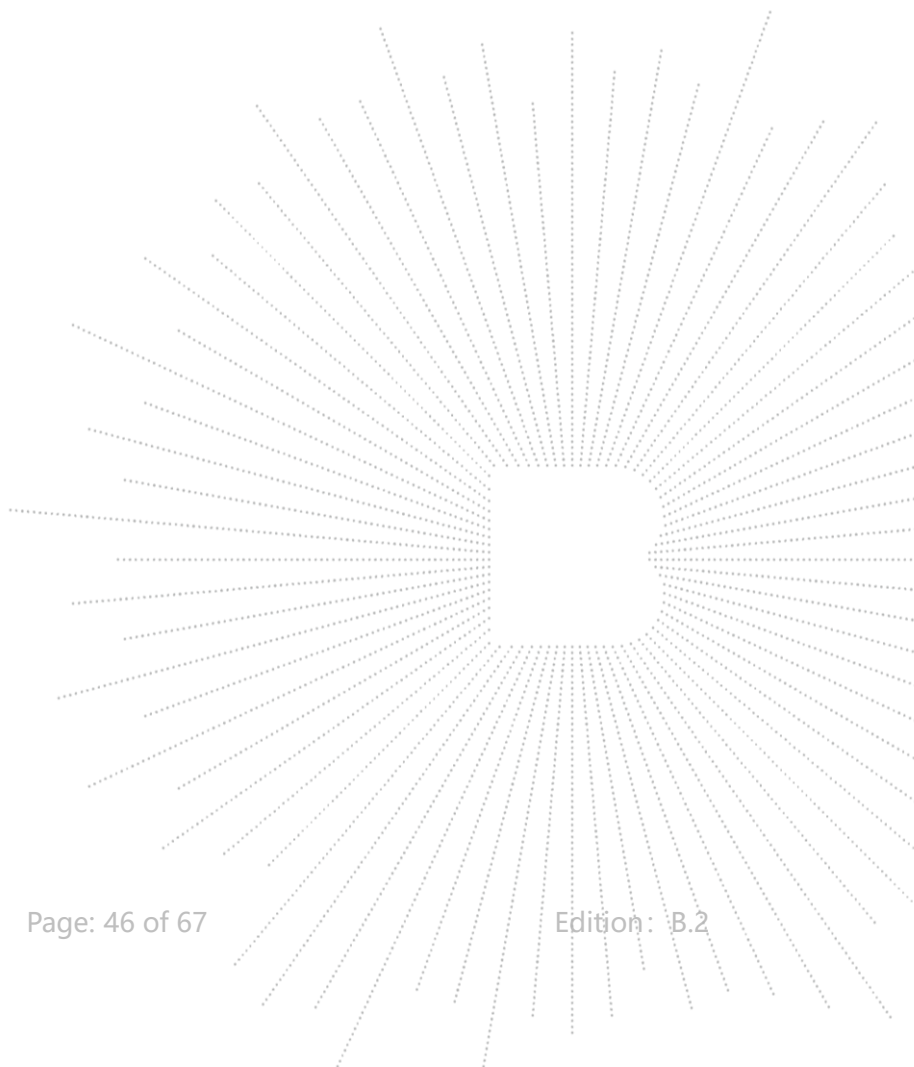


Band41 16QAM BW=20MHz Channel=41490 RB Size=100 Position=#0



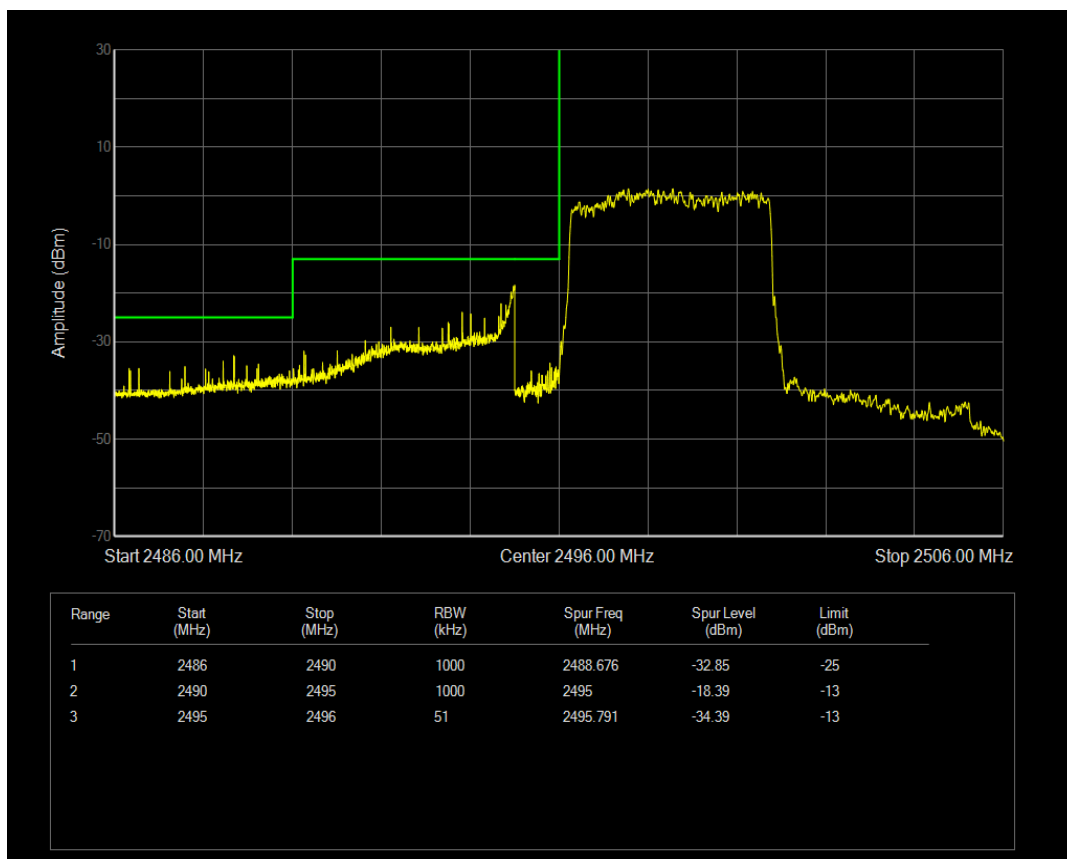
Appendix 5. Band edge

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	-18.39	-13	PASS
Band41	5	39675	25	#0	16QAM	2494.90	-18.90	-13	PASS
Band41	5	41565	25	#0	QPSK	2696.32	-27.53	-25	PASS
Band41	5	41565	25	#0	16QAM	2696.97	-30.43	-25	PASS
Band41	10	39700	50	#0	QPSK	2485.63	-37.29	-25	PASS
Band41	10	39700	50	#0	16QAM	2485.44	-36.61	-25	PASS
Band41	10	41540	50	#0	QPSK	2700.21	-31.81	-25	PASS
Band41	10	41540	50	#0	16QAM	2700.18	-31.29	-25	PASS
Band41	15	39725	75	#0	QPSK	2480.59	-39.05	-25	PASS
Band41	15	39725	75	#0	16QAM	2480.84	-37.89	-25	PASS
Band41	15	41515	75	#0	QPSK	2705.66	-34.97	-25	PASS
Band41	15	41515	75	#0	16QAM	2705.26	-34.14	-25	PASS
Band41	20	39750	100	#0	QPSK	2475.36	-40.42	-25	PASS
Band41	20	39750	100	#0	16QAM	2474.51	-40.46	-25	PASS
Band41	20	41490	100	#0	QPSK	2710.53	-36.05	-25	PASS
Band41	20	41490	100	#0	16QAM	2710.43	-34.99	-25	PASS

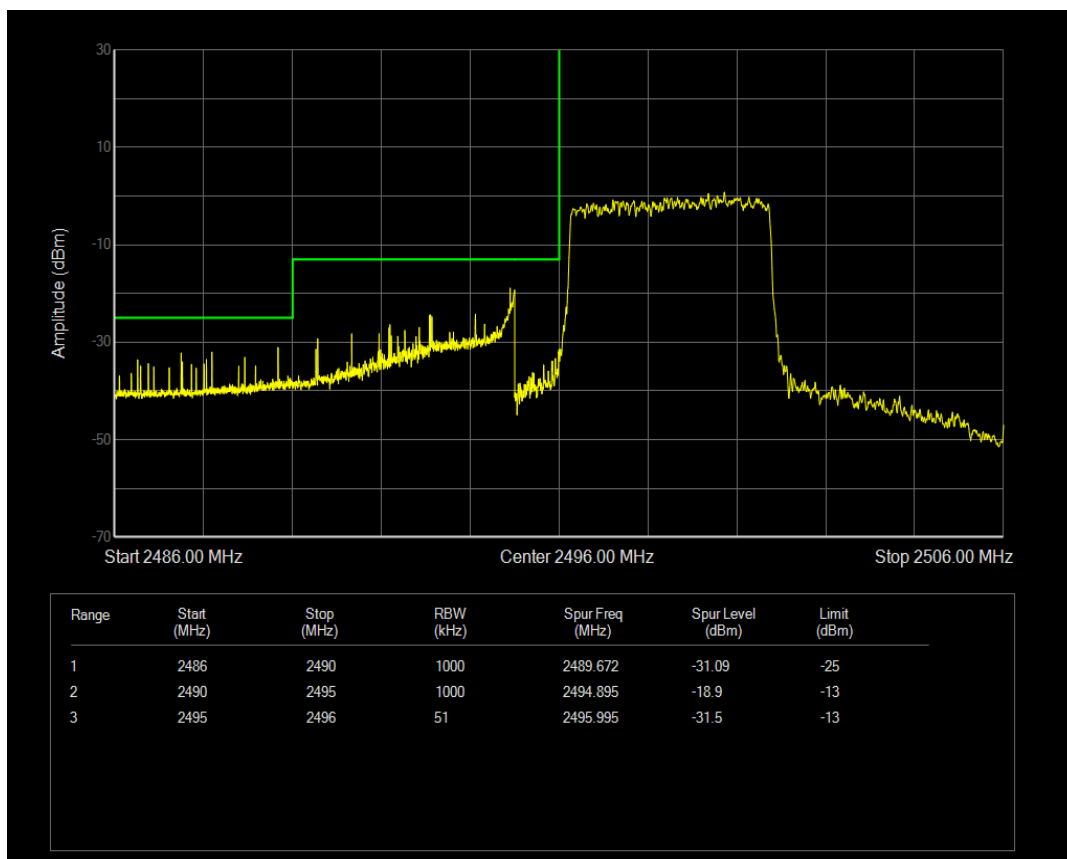




Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0

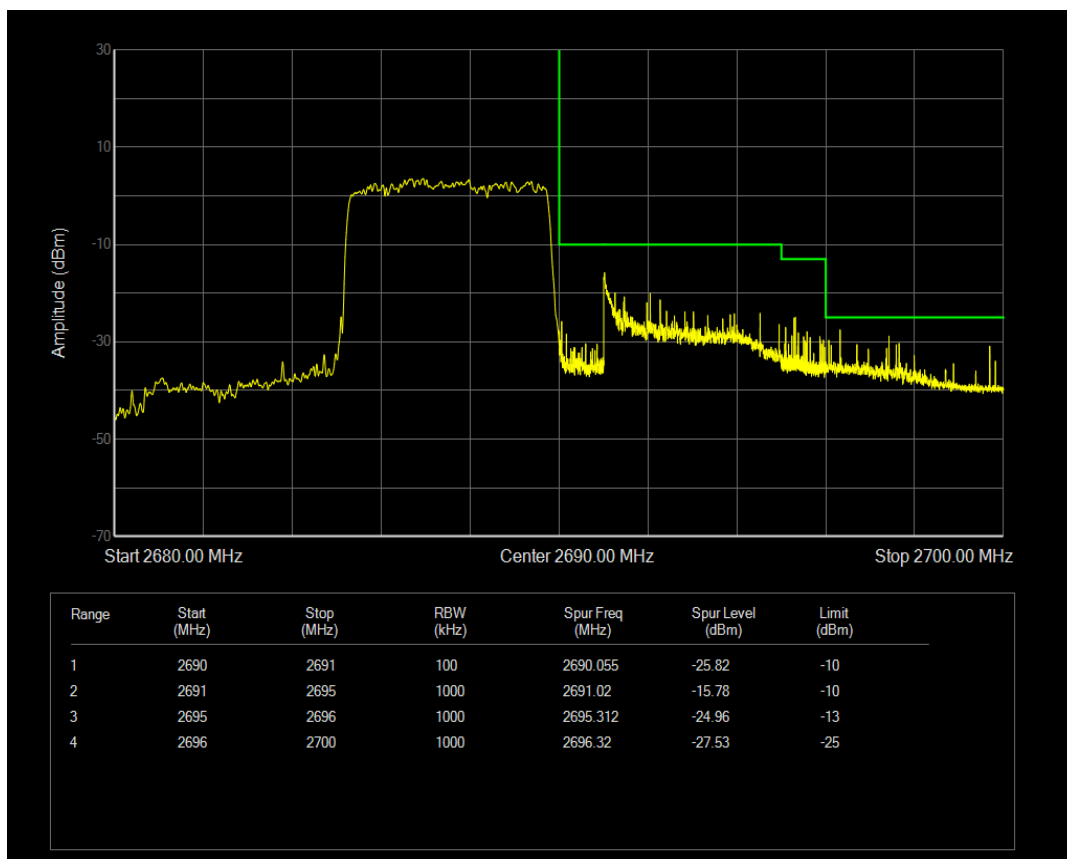


Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0

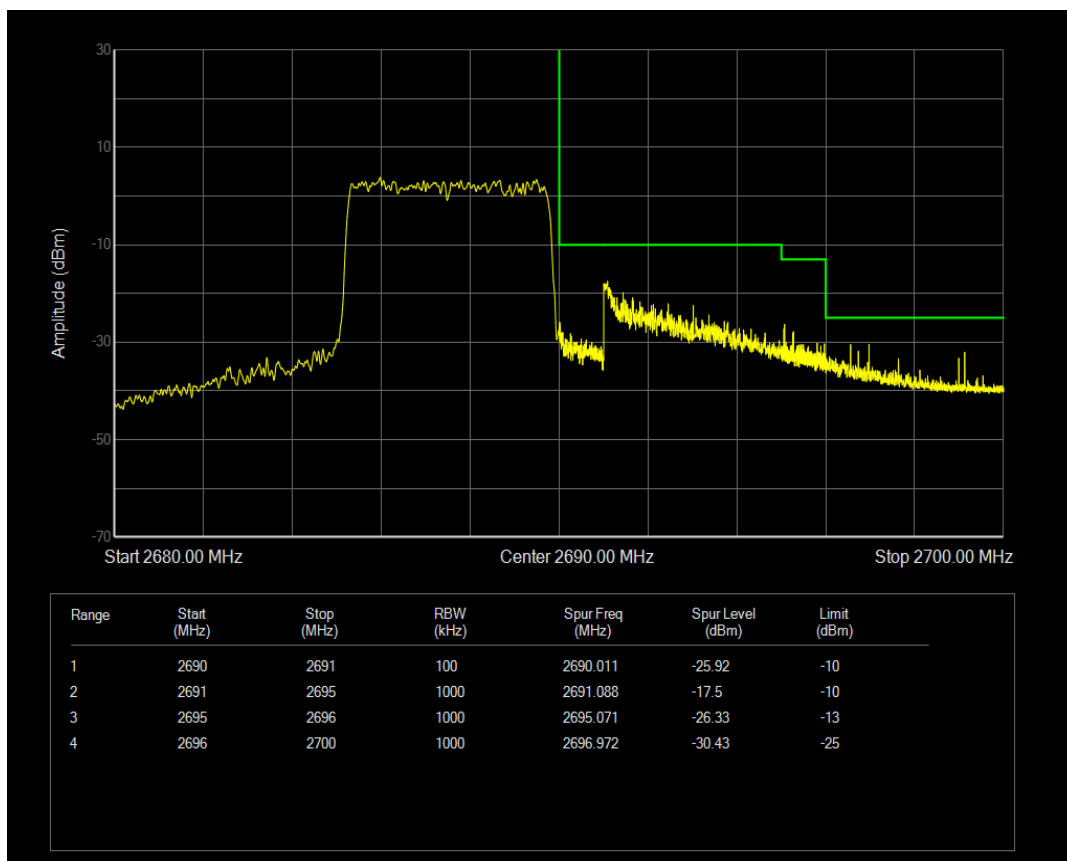




Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0

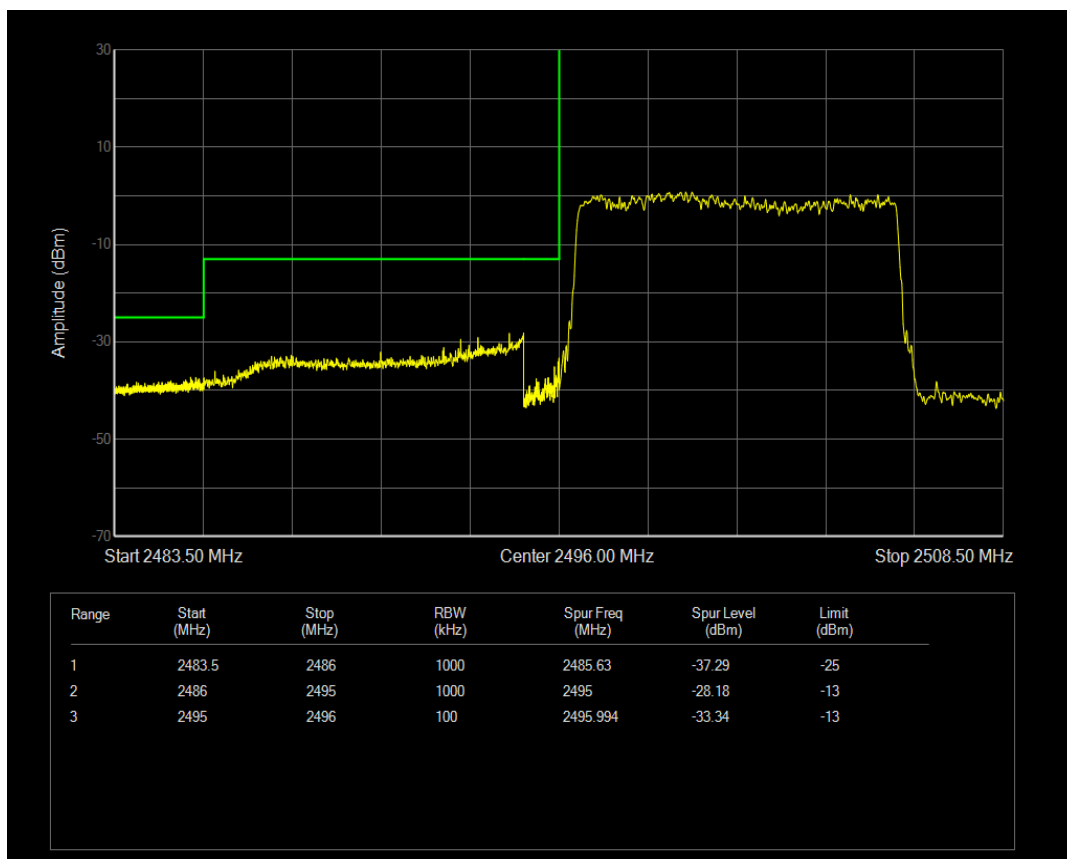


Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0

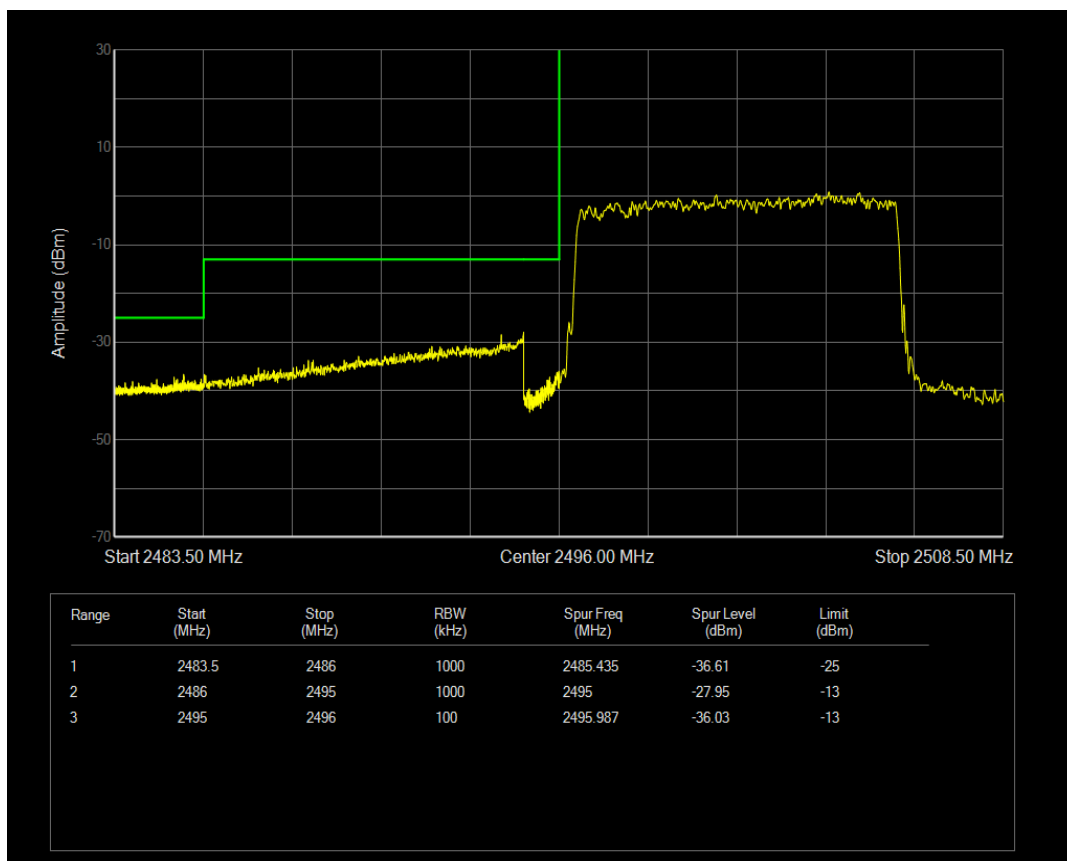




Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0

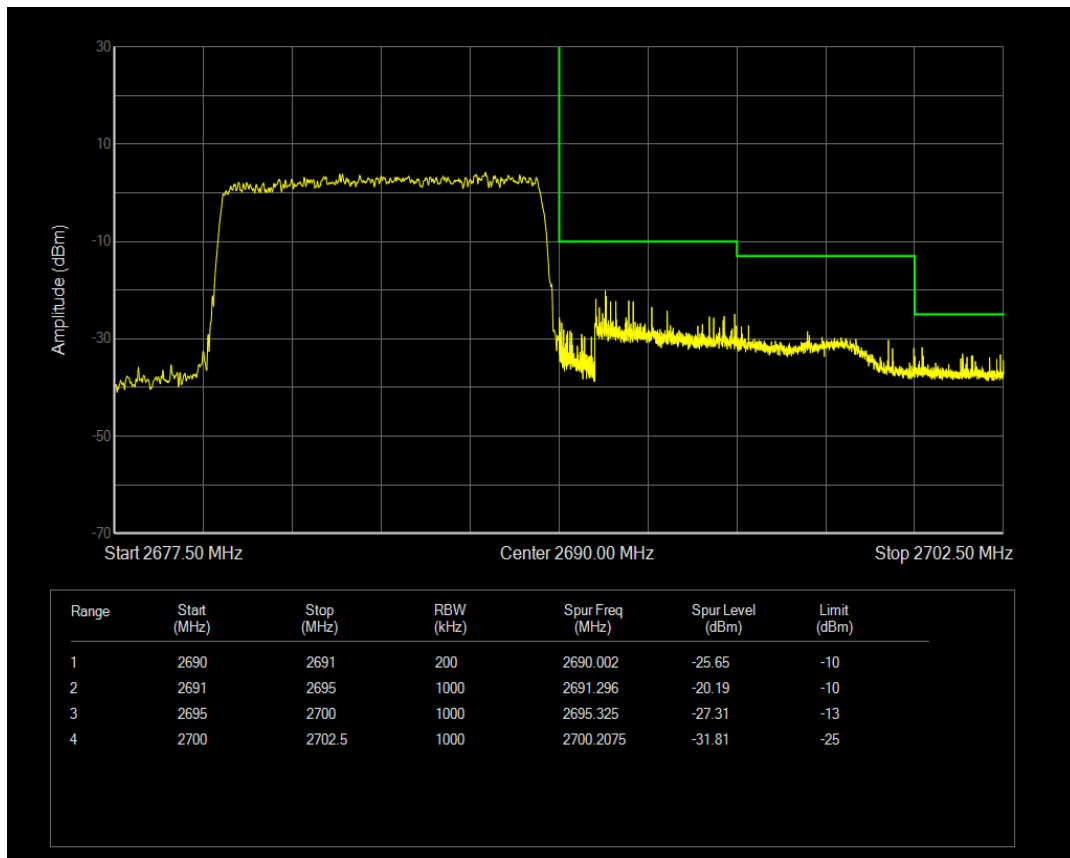


Band41 16QAM BW=10MHz Channel=39700 RB Size=50 Position=#0

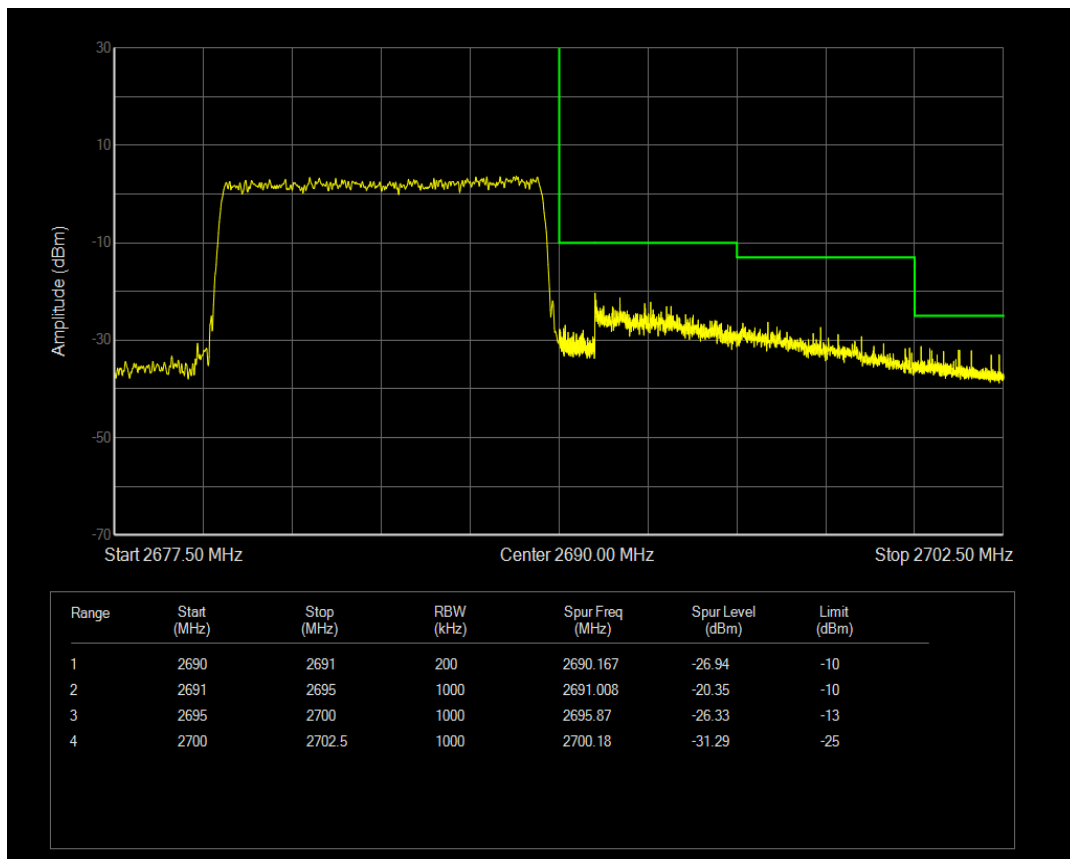




Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0

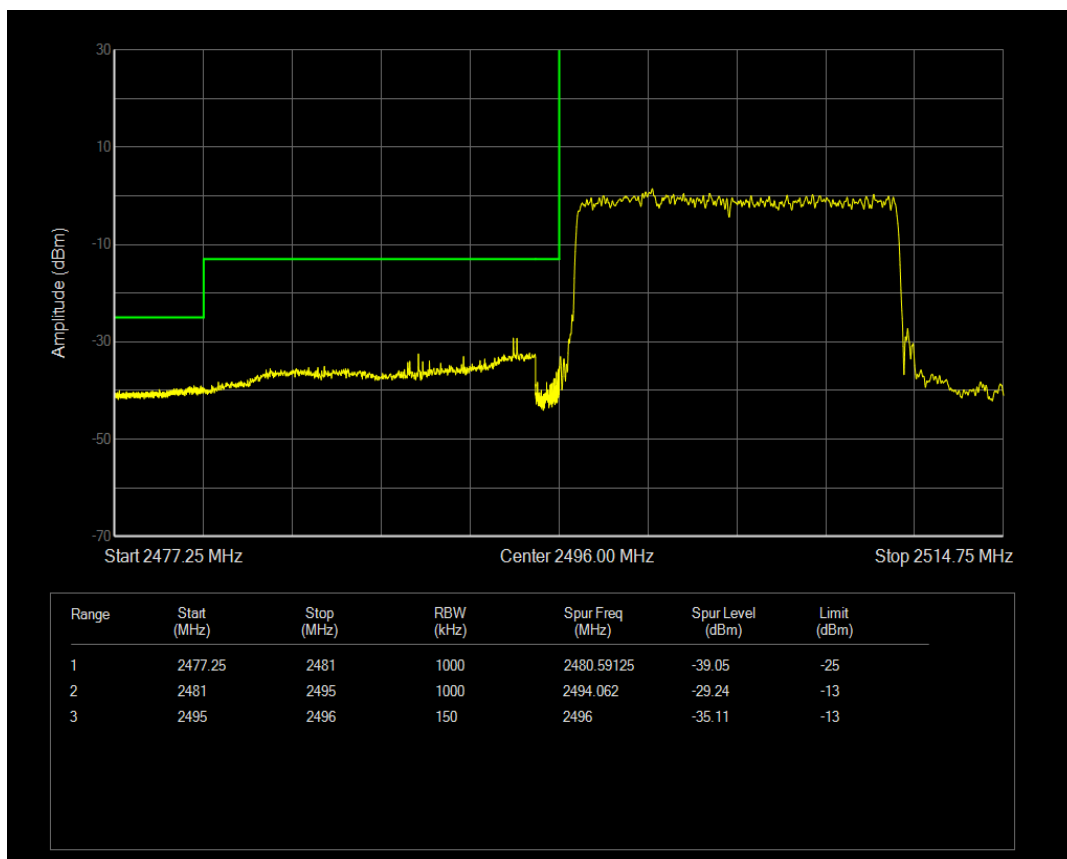


Band41 16QAM BW=10MHz Channel=41540 RB Size=50 Position=#0

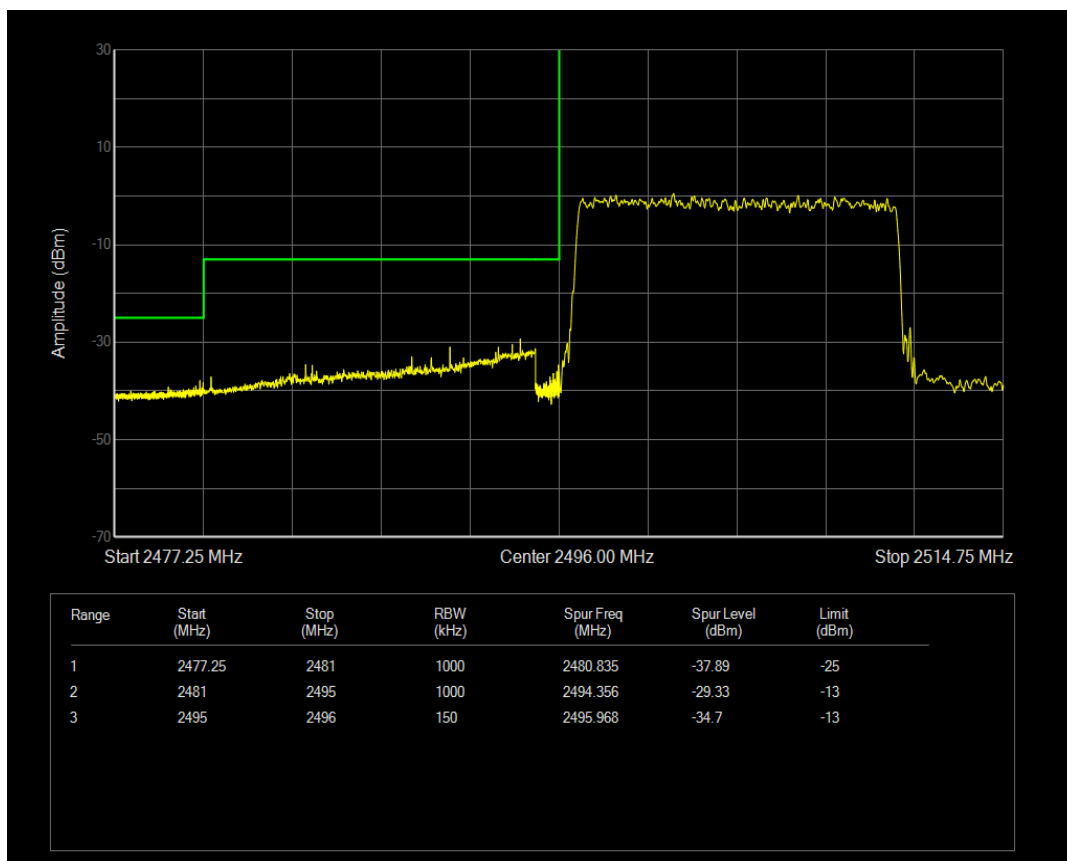




Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0

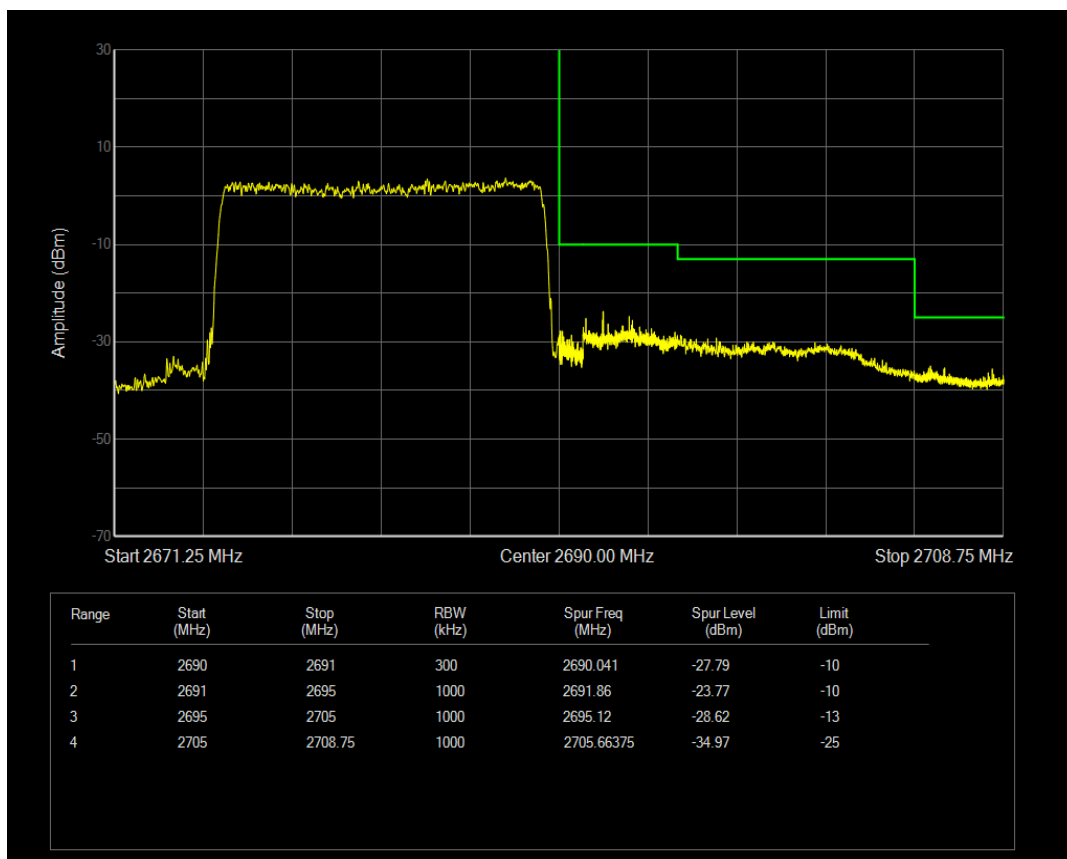


Band41 16QAM BW=15MHz Channel=39725 RB Size=75 Position=#0

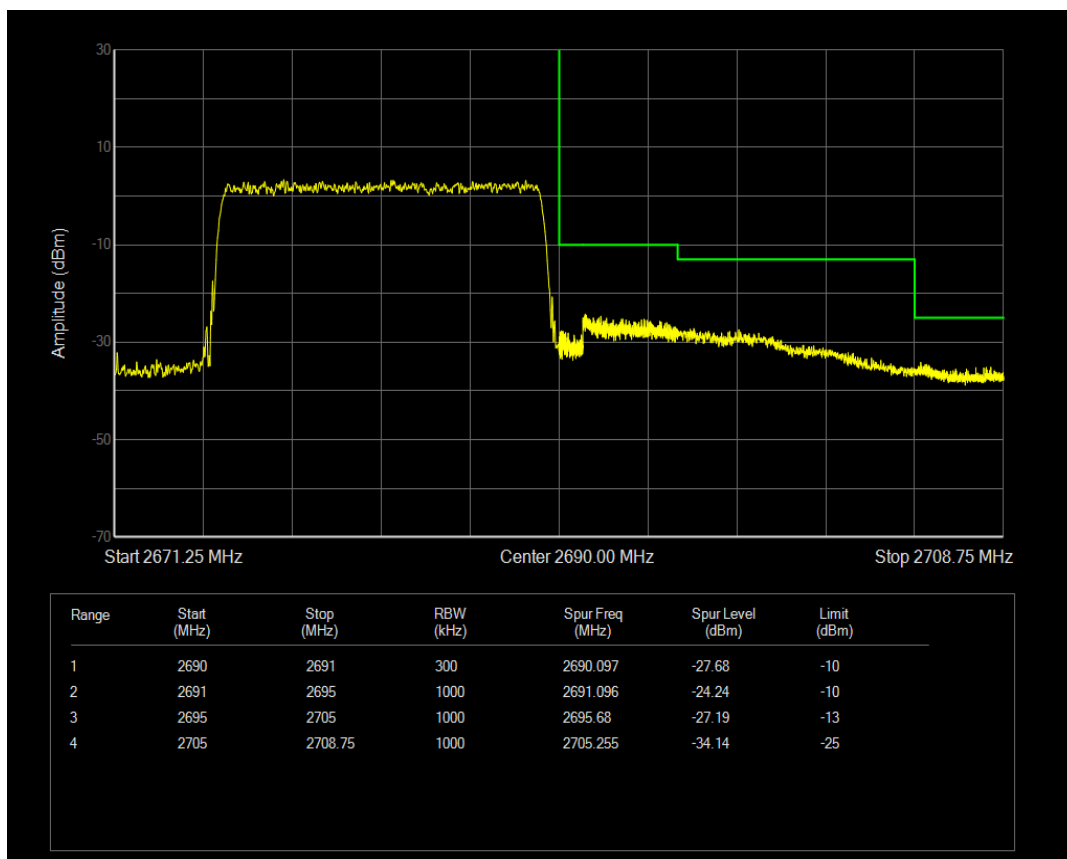




Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0

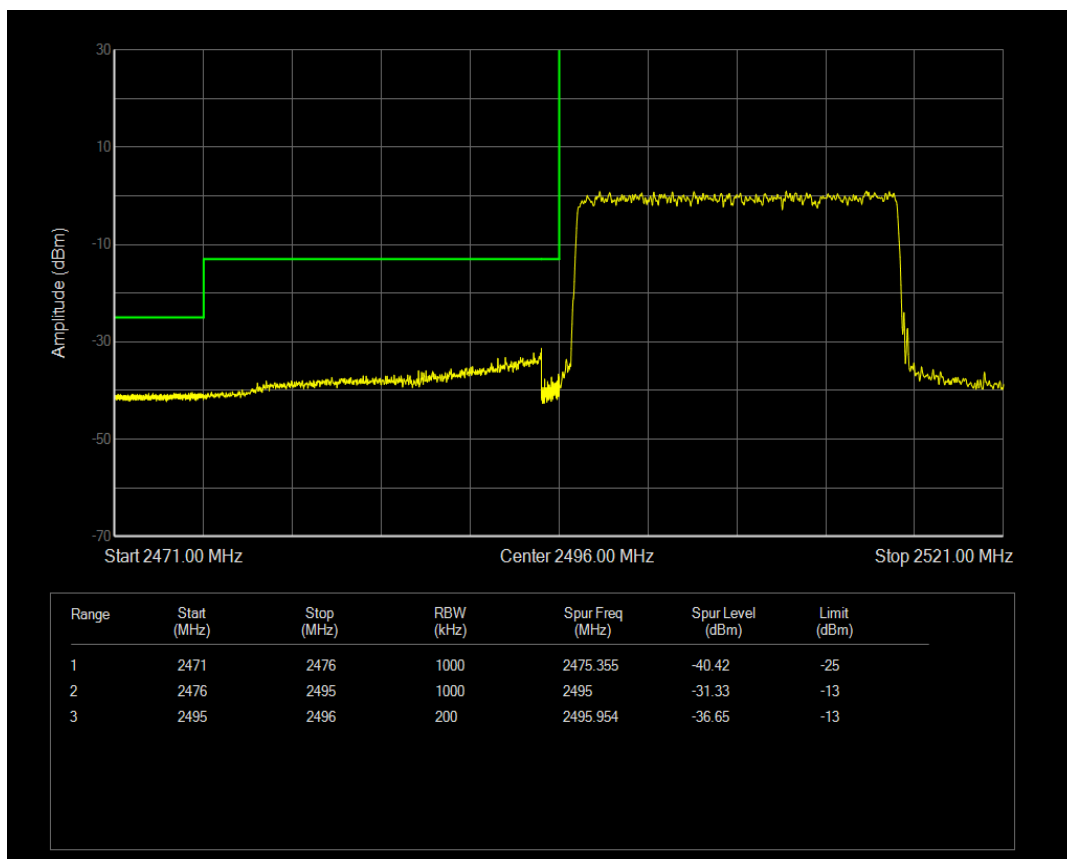


Band41 16QAM BW=15MHz Channel=41515 RB Size=75 Position=#0

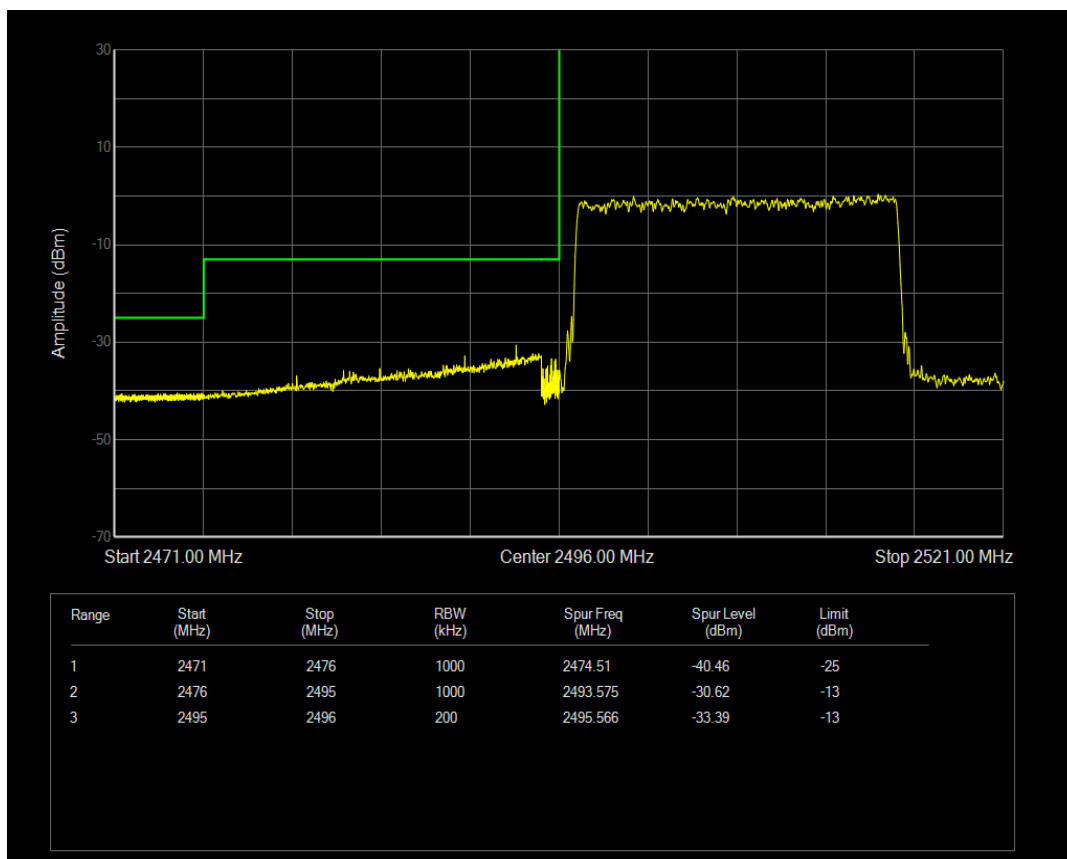




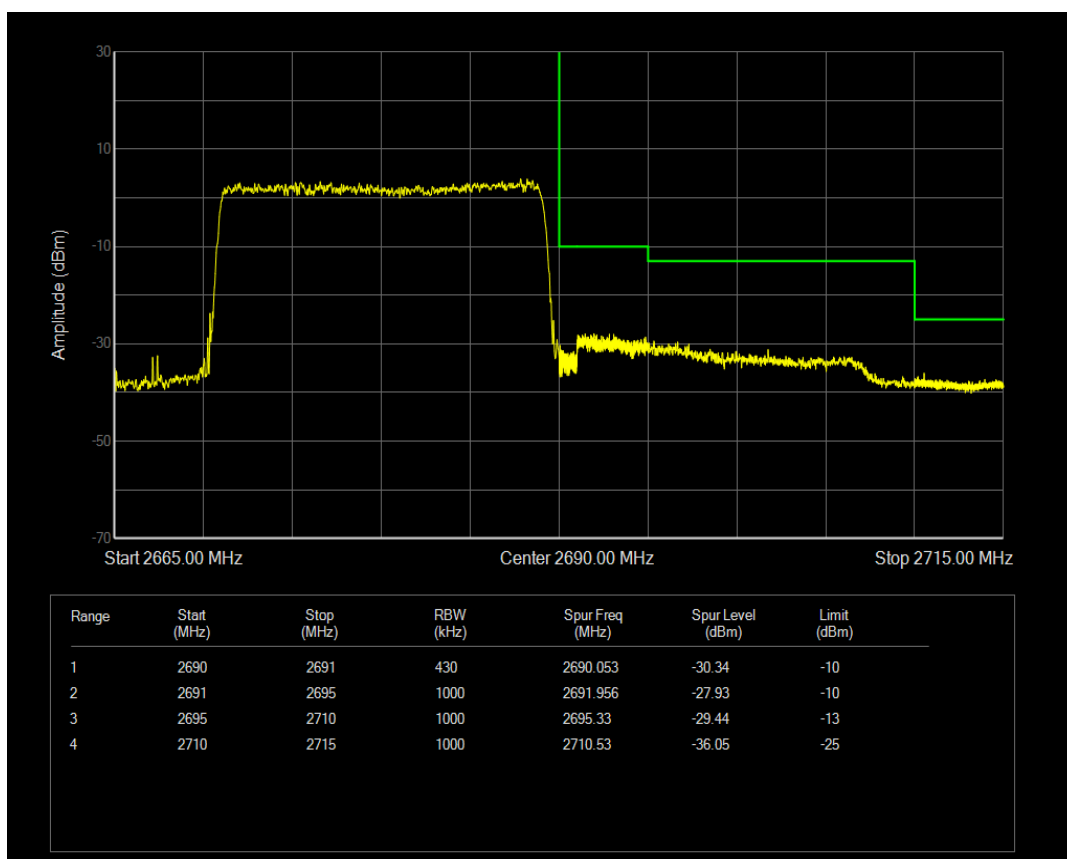
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



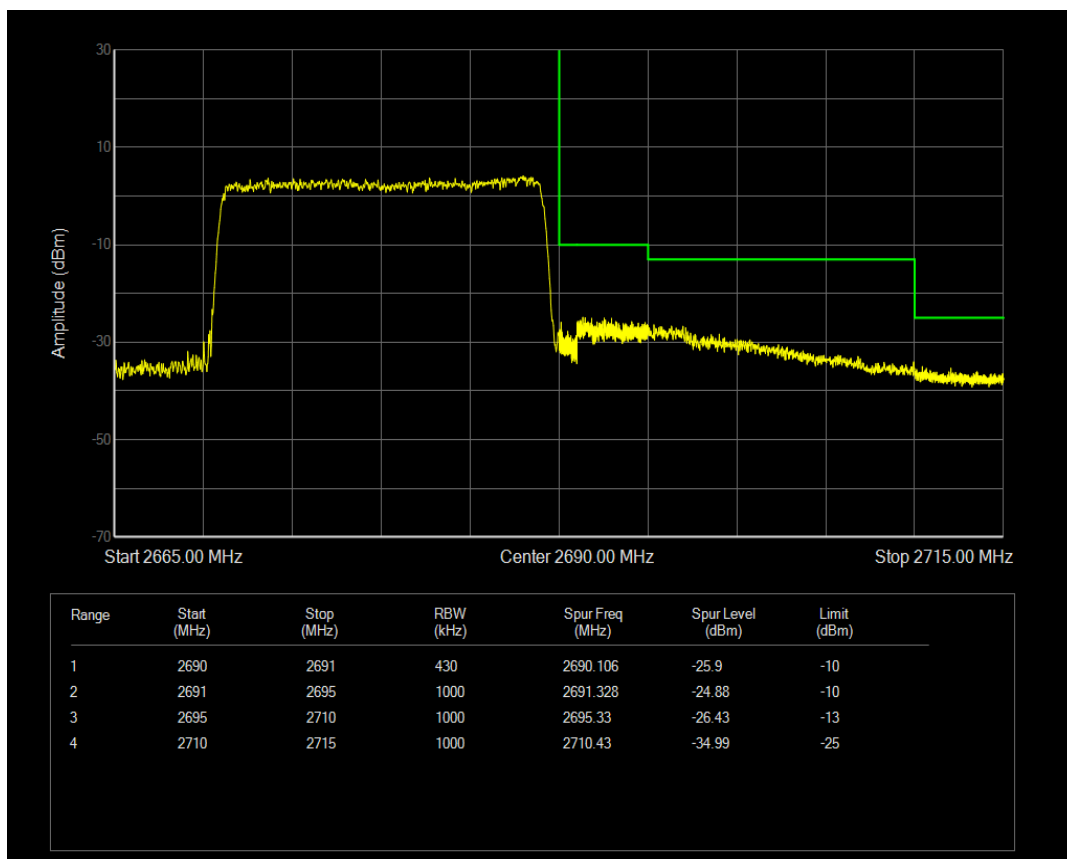
Band41 16QAM BW=20MHz Channel=39750 RB Size=100 Position=#0



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



Band41 16QAM BW=20MHz Channel=41490 RB Size=100 Position=#0

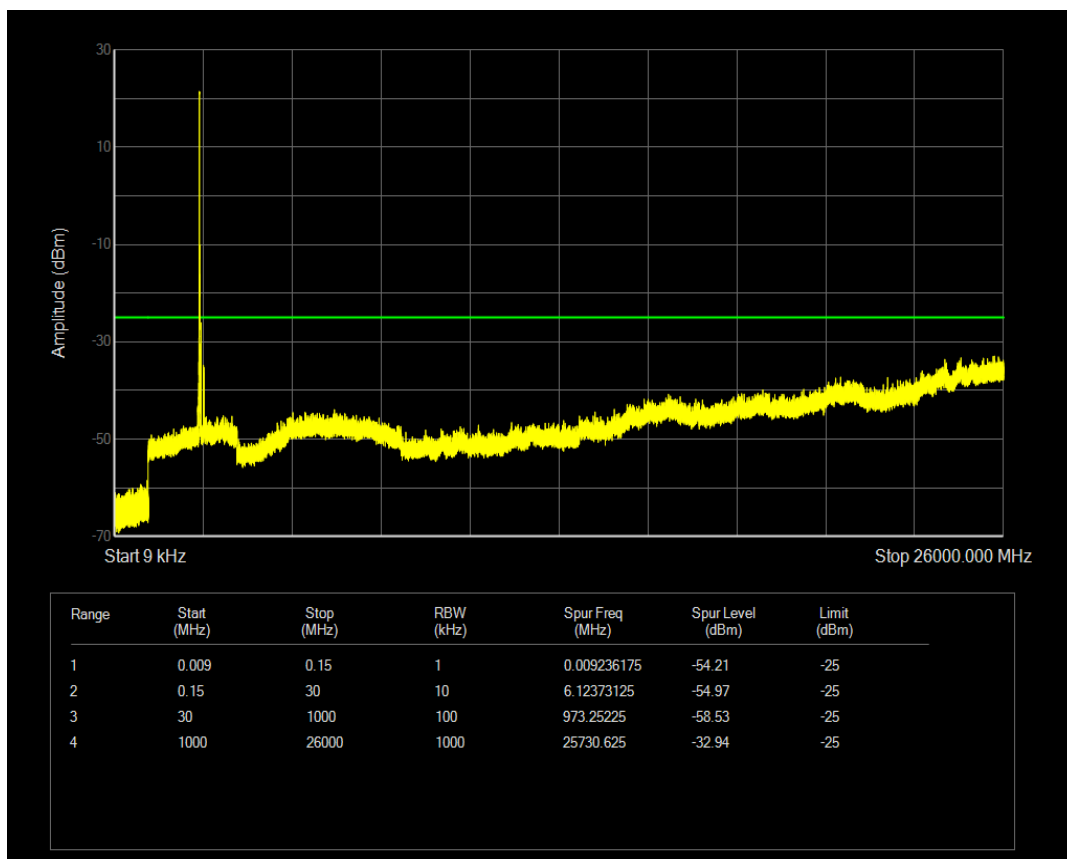


Appendix 6. Out-of-band emissions

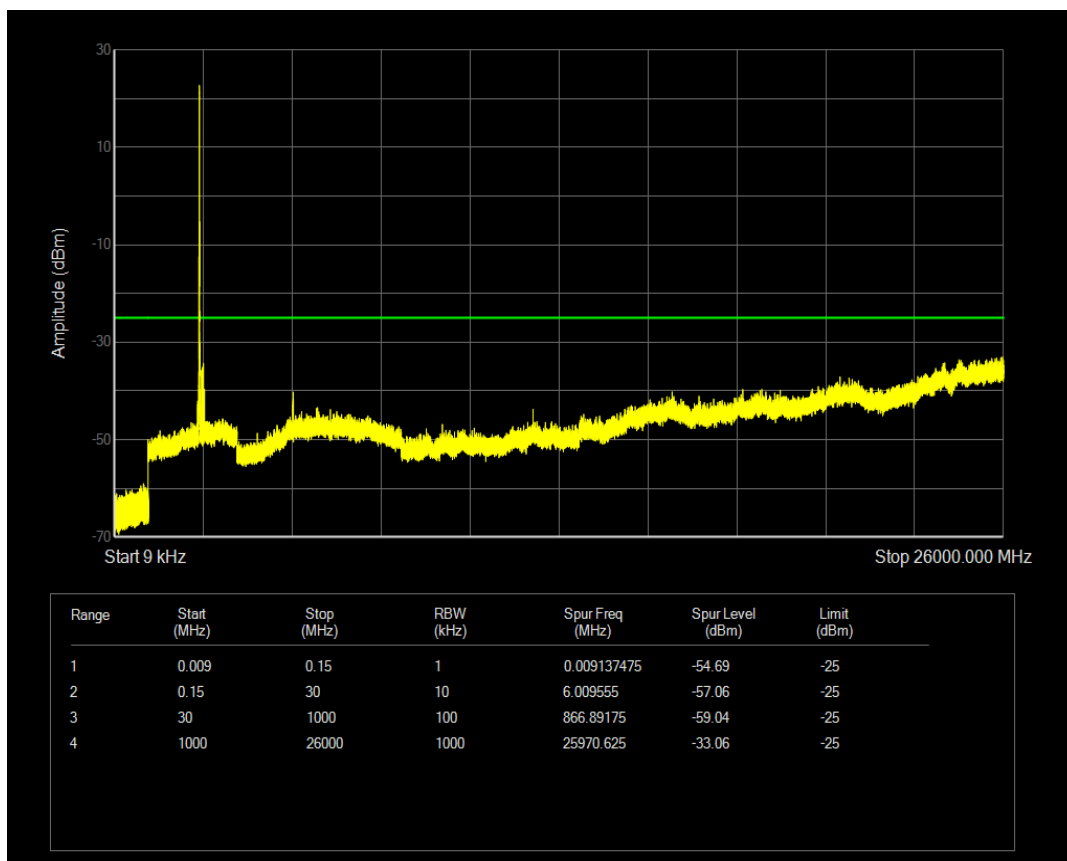
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41	5	39675	25	#0	QPSK	25730.63	-32.94	-25	PASS
Band41	5	39675	25	#0	16QAM	25970.63	-33.06	-25	PASS
Band41	5	40620	25	#0	QPSK	25724.38	-33.15	-25	PASS
Band41	5	40620	25	#0	16QAM	25476.25	-33.21	-25	PASS
Band41	5	41565	25	#0	QPSK	2729.38	-27.89	-25	PASS
Band41	5	41565	25	#0	16QAM	2743.75	-26.59	-25	PASS
Band41	10	39700	50	#0	QPSK	25303.13	-32.96	-25	PASS
Band41	10	39700	50	#0	16QAM	25588.13	-32.65	-25	PASS
Band41	10	40620	50	#0	QPSK	25889.38	-32.77	-25	PASS
Band41	10	40620	50	#0	16QAM	25740.00	-32.87	-25	PASS
Band41	10	41540	50	#0	QPSK	25046.25	-33.28	-25	PASS
Band41	10	41540	50	#0	16QAM	25898.75	-32.09	-25	PASS
Band41	15	39725	75	#0	QPSK	25867.50	-32.42	-25	PASS
Band41	15	39725	75	#0	16QAM	25711.88	-32.44	-25	PASS
Band41	15	40620	75	#0	QPSK	25921.25	-32.94	-25	PASS
Band41	15	40620	75	#0	16QAM	25436.88	-32.98	-25	PASS
Band41	15	41515	75	#0	QPSK	25295.00	-33.08	-25	PASS
Band41	15	41515	75	#0	16QAM	25619.38	-32.63	-25	PASS
Band41	20	39750	100	#0	QPSK	25058.75	-32.33	-25	PASS
Band41	20	39750	100	#0	16QAM	25589.38	-32.79	-25	PASS
Band41	20	40620	100	#0	QPSK	25920.63	-33.00	-25	PASS
Band41	20	40620	100	#0	16QAM	25808.75	-32.41	-25	PASS
Band41	20	41490	100	#0	QPSK	25562.50	-32.81	-25	PASS
Band41	20	41490	100	#0	16QAM	25129.38	-33.15	-25	PASS



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

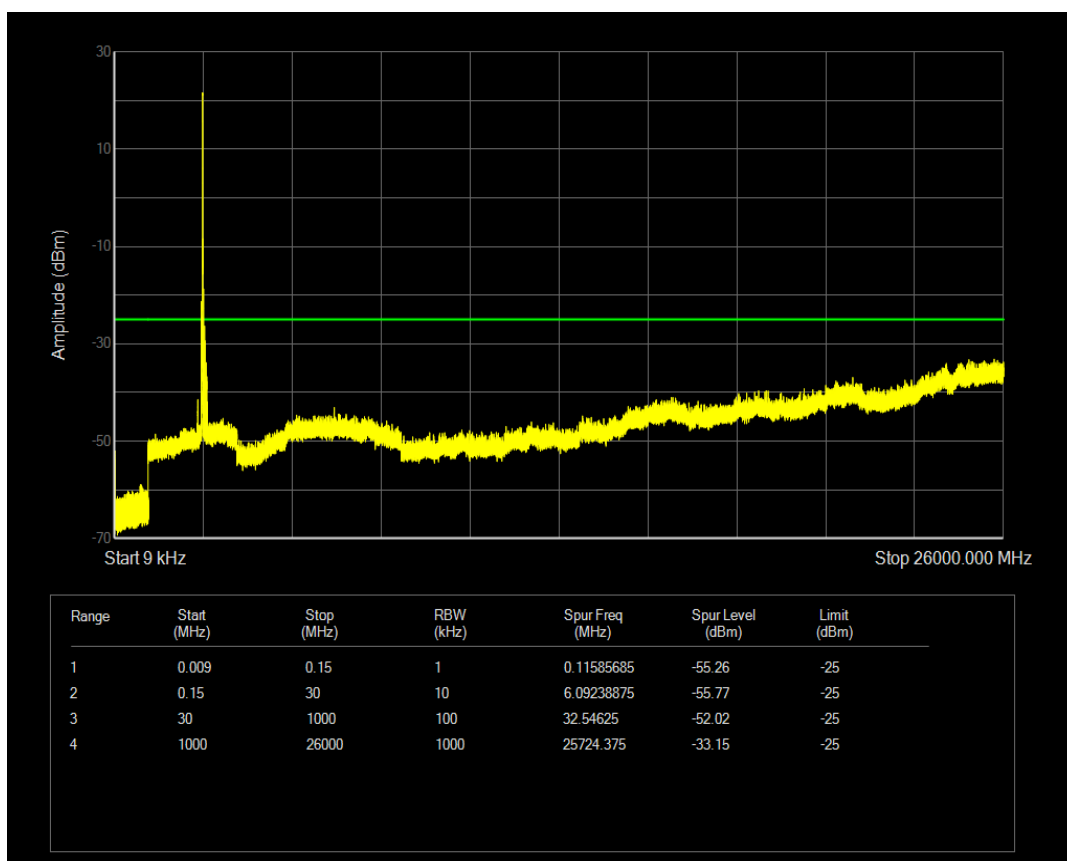


Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0

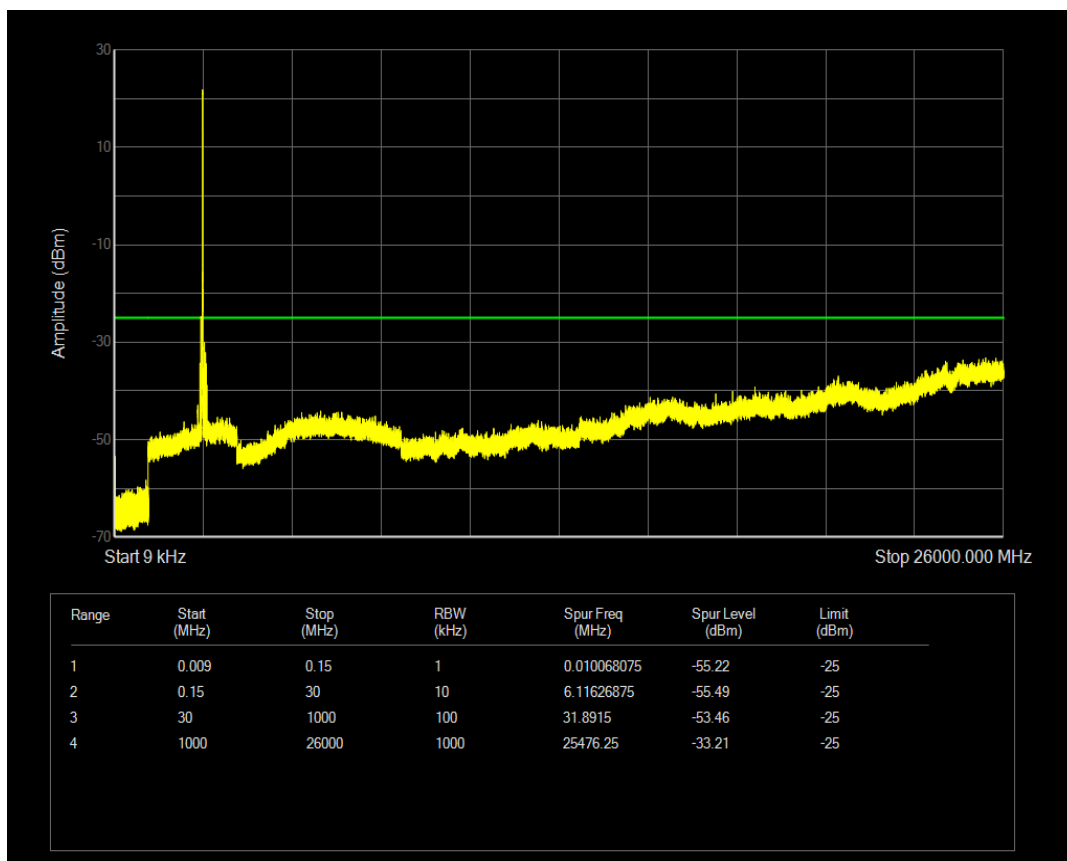




Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0

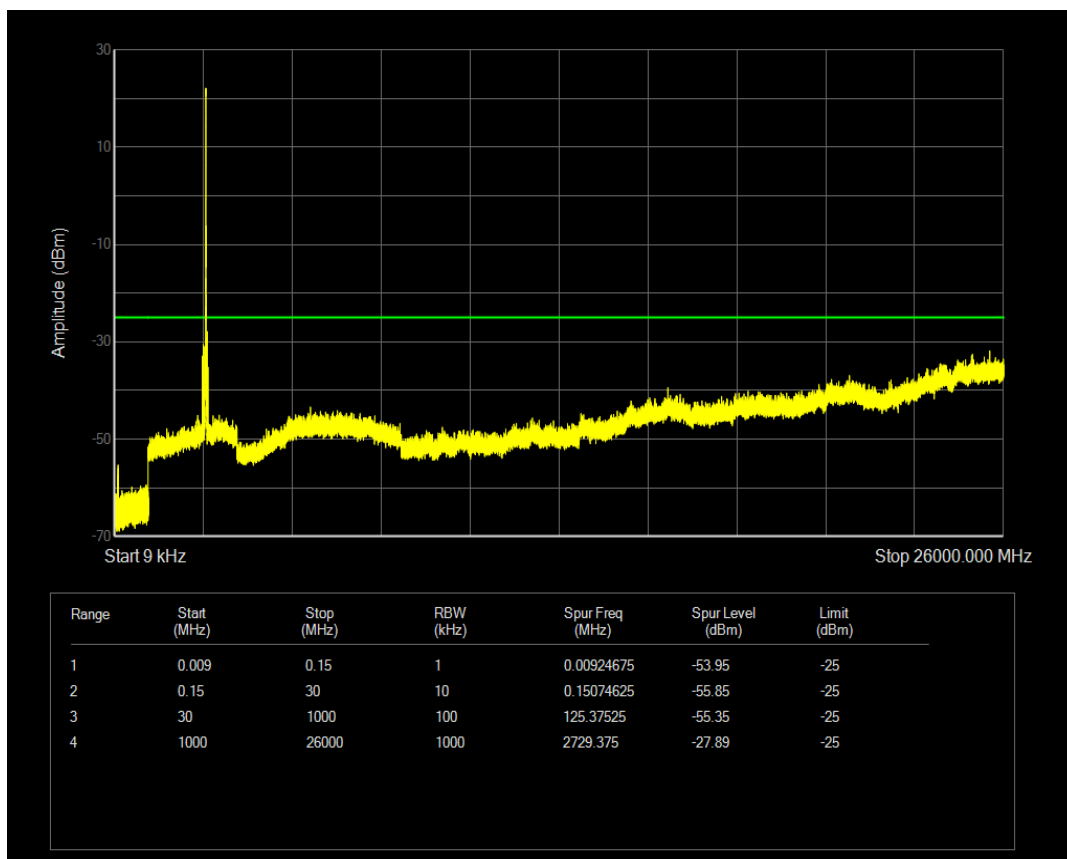


Band41 16QAM BW=5MHz Channel=40620 RB Size=25 Position=#0

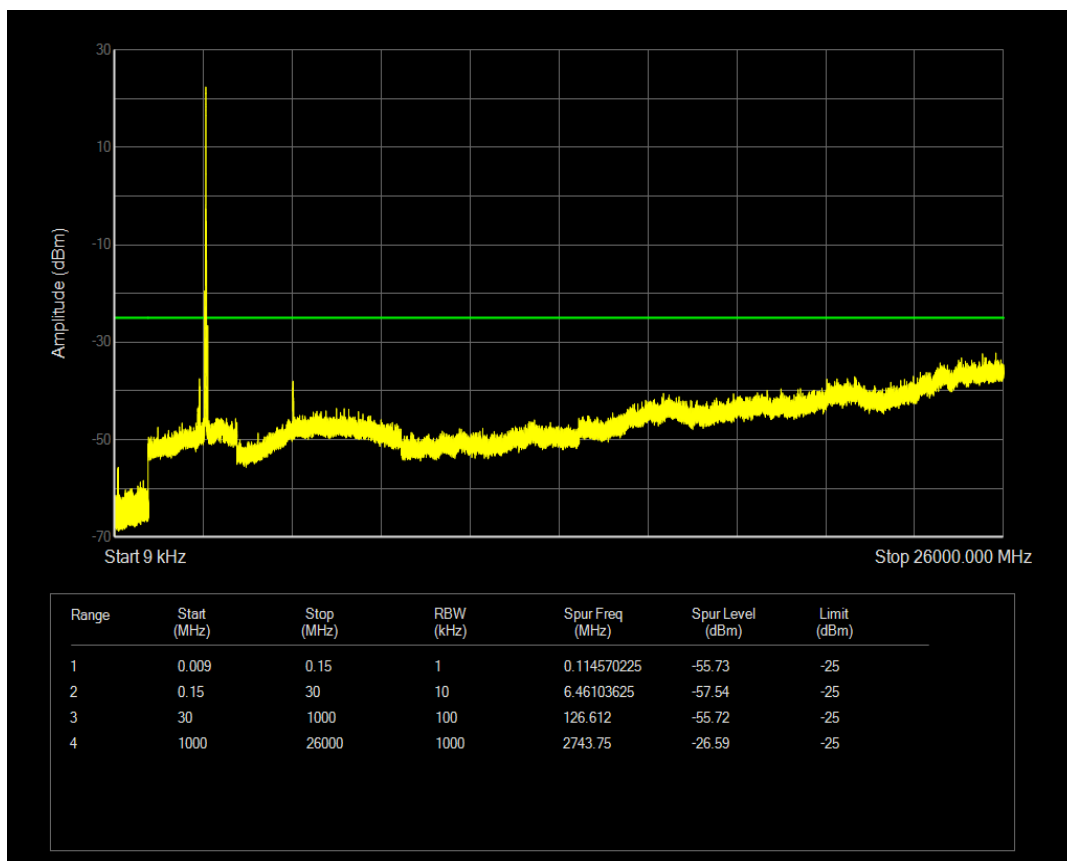




Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0

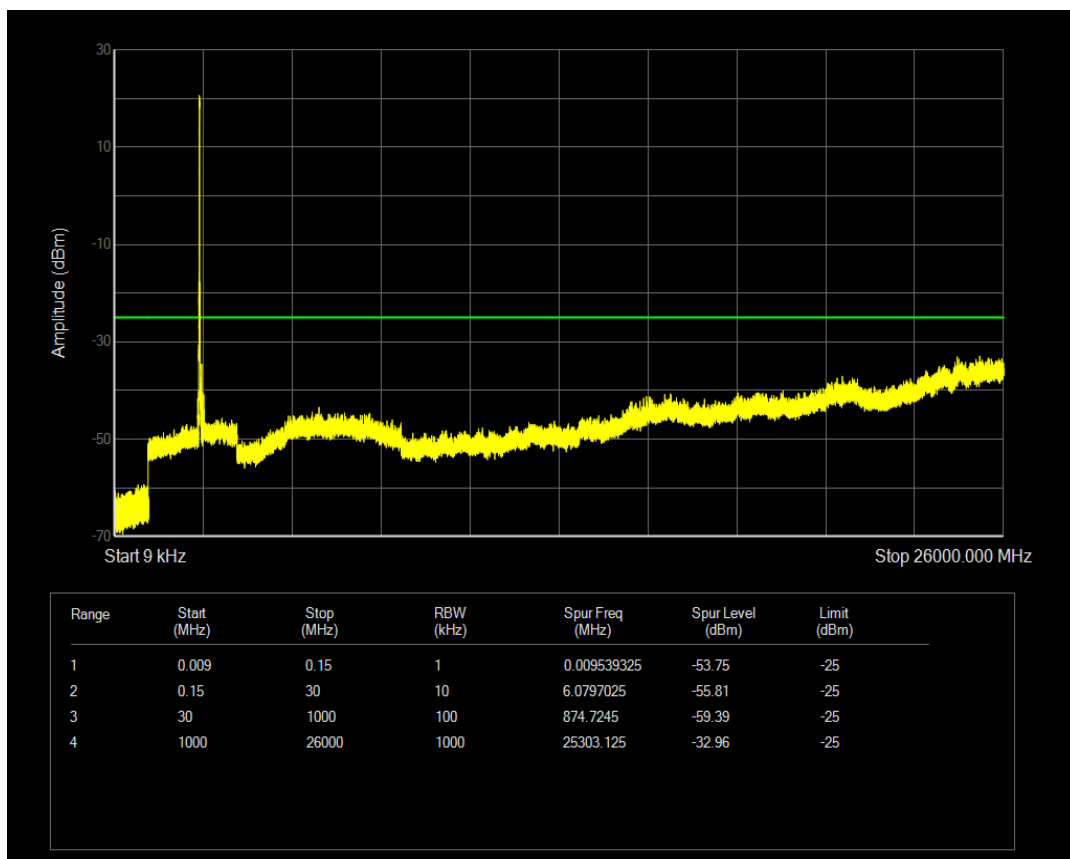


Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0

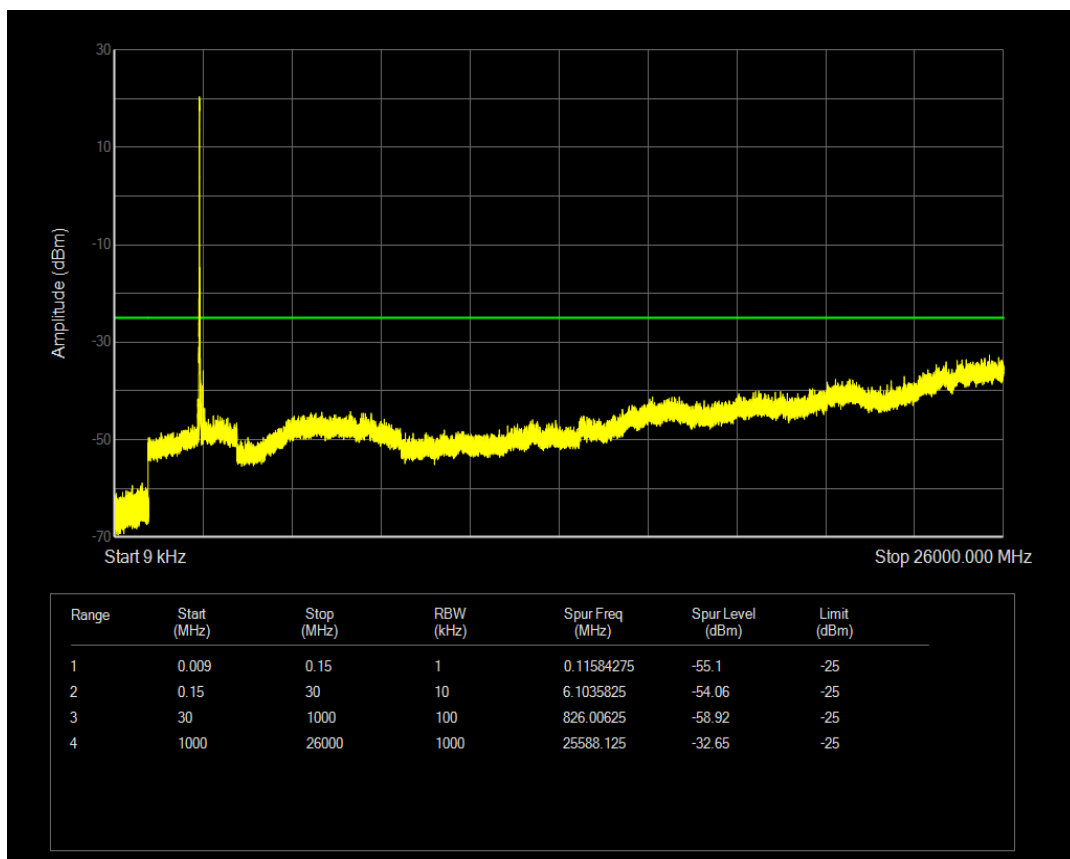




Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0

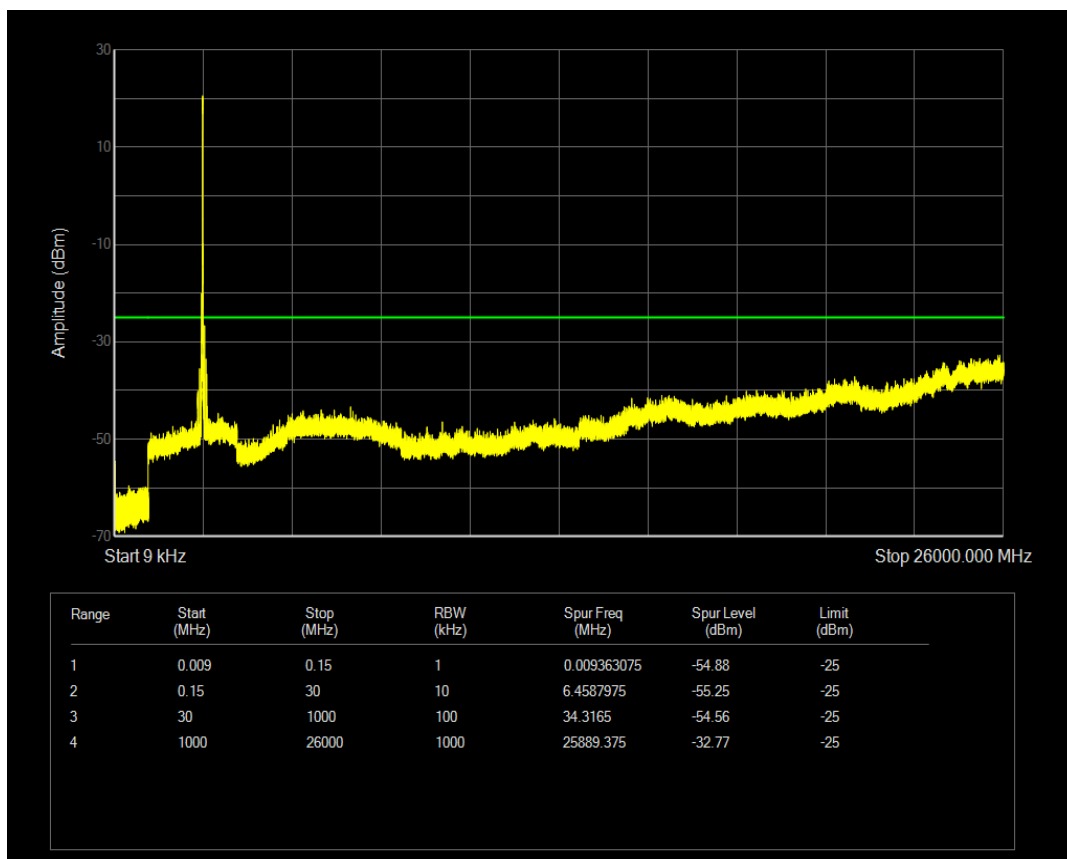


Band41 16QAM BW=10MHz Channel=39700 RB Size=50 Position=#0

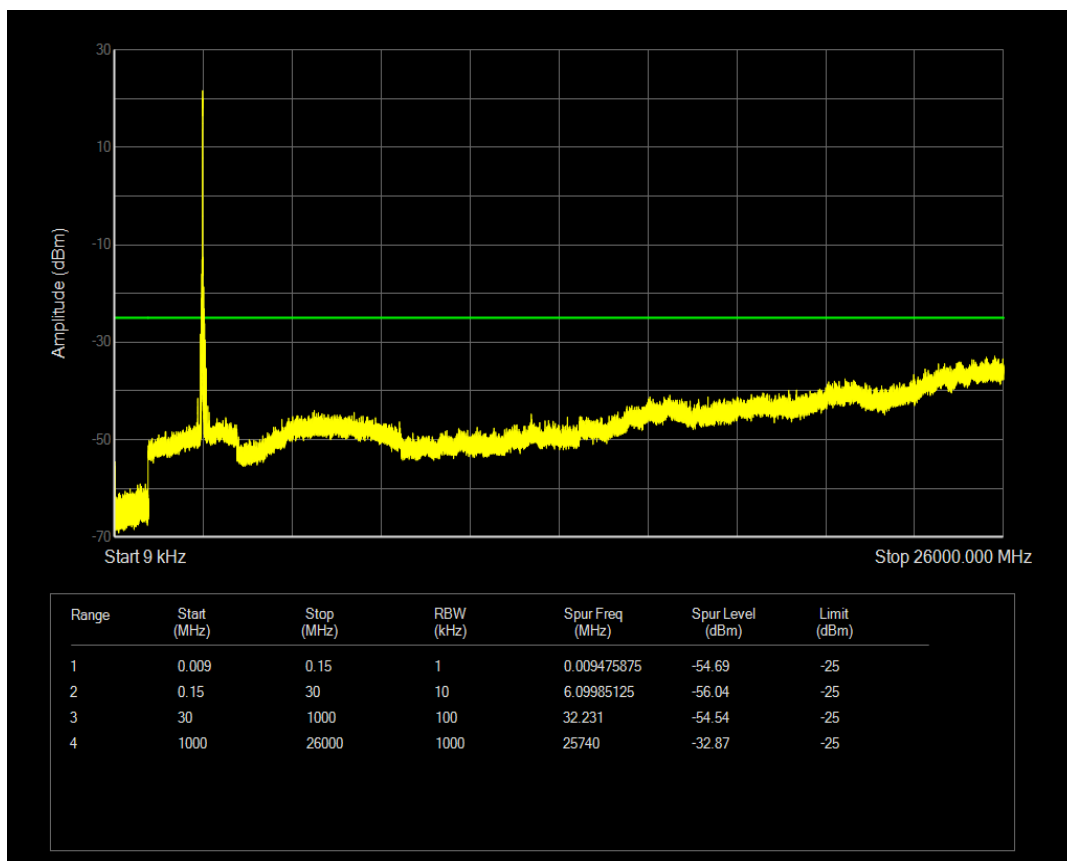




Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0

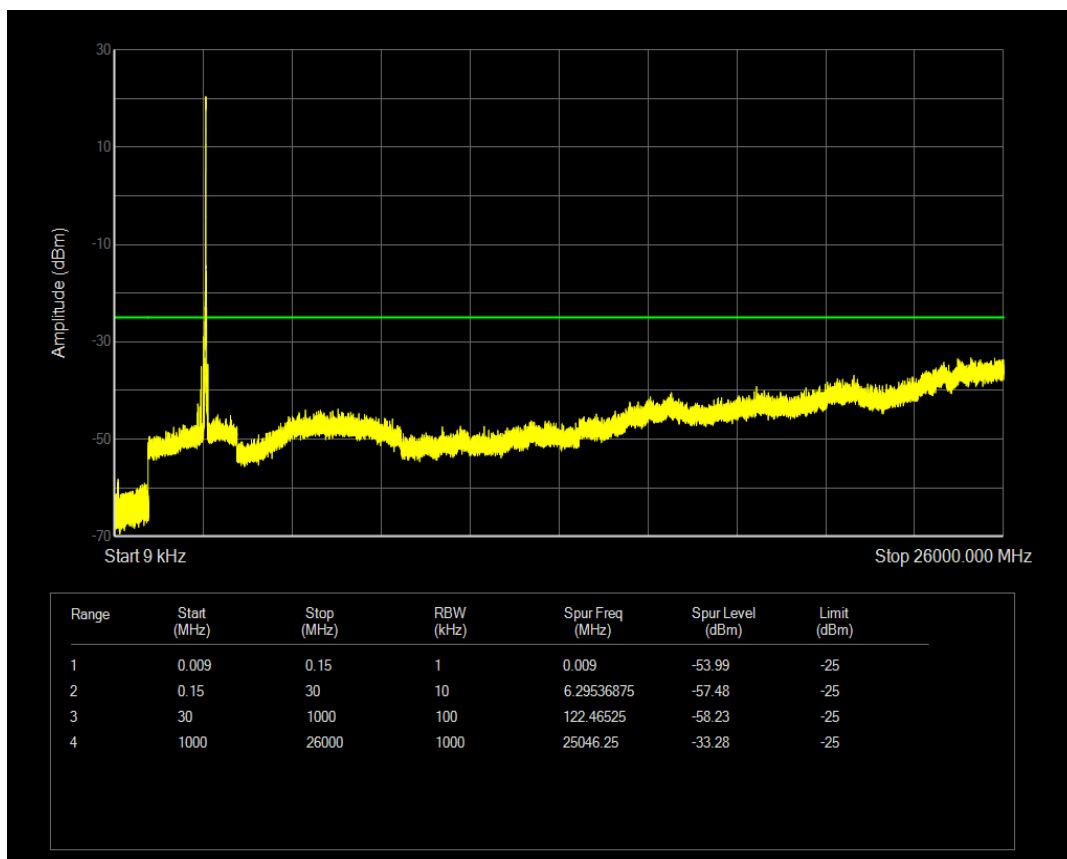


Band41 16QAM BW=10MHz Channel=40620 RB Size=50 Position=#0

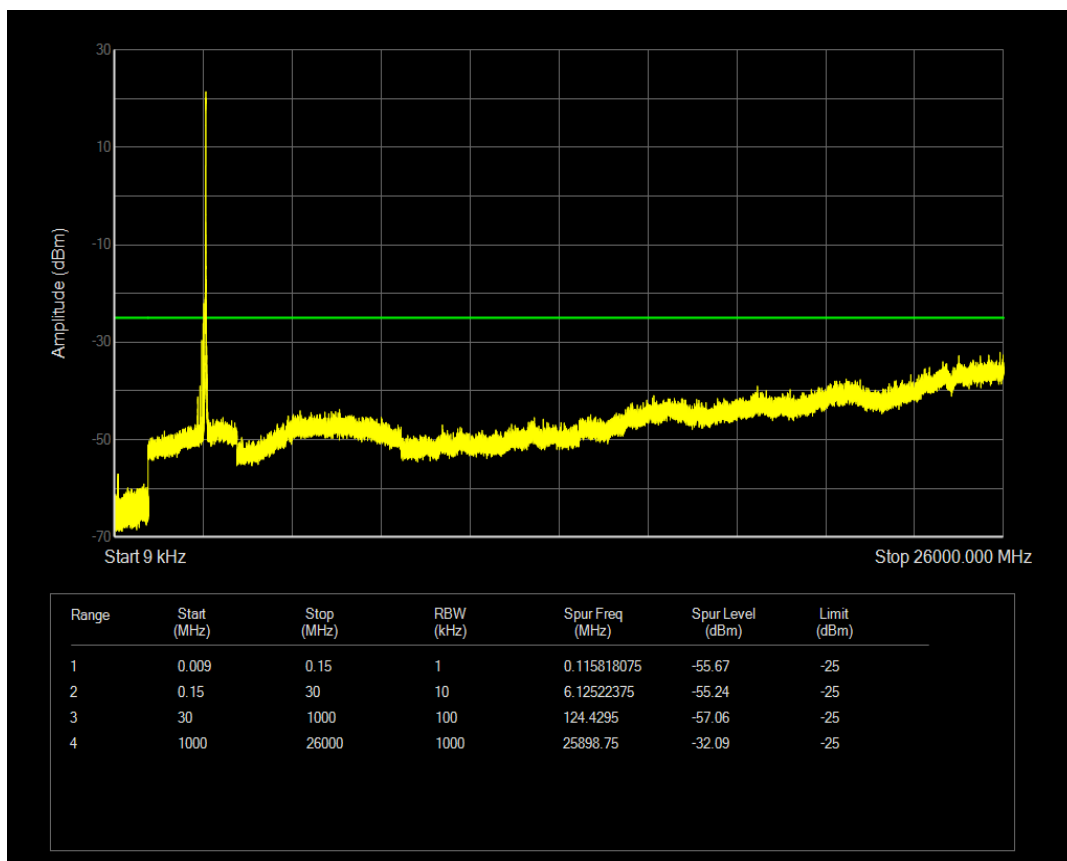




Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0

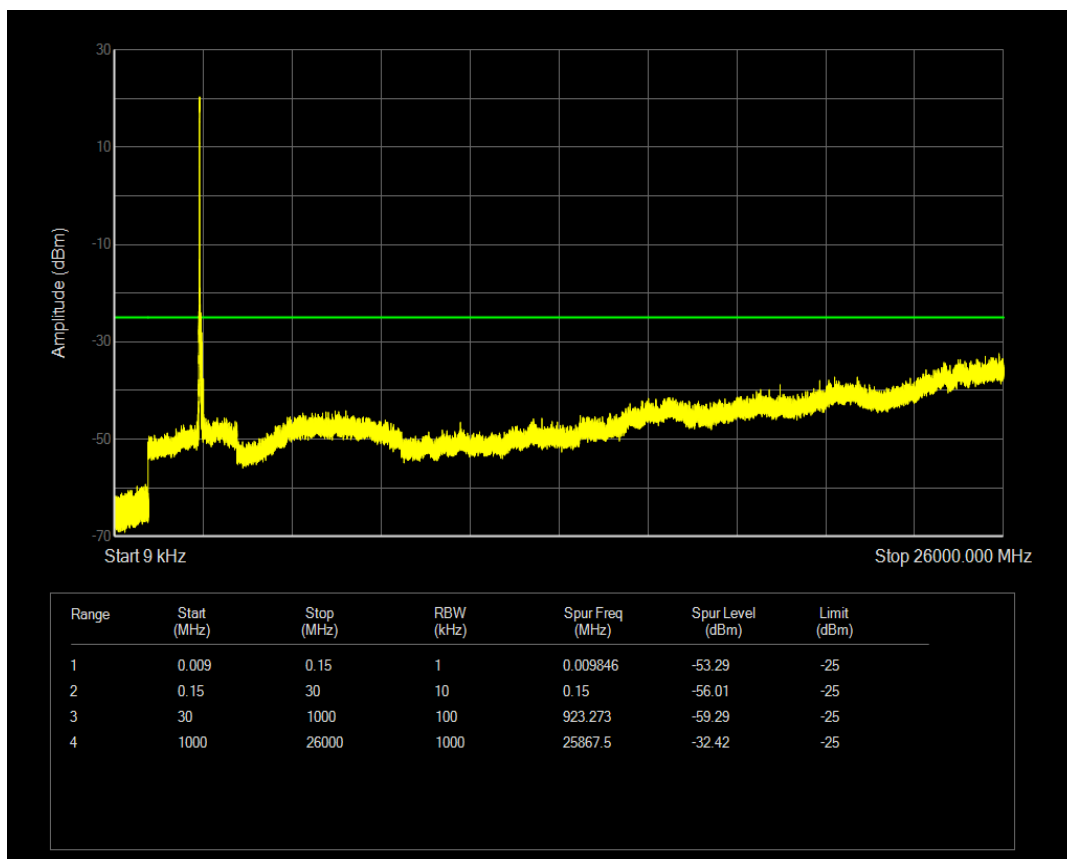


Band41 16QAM BW=10MHz Channel=41540 RB Size=50 Position=#0

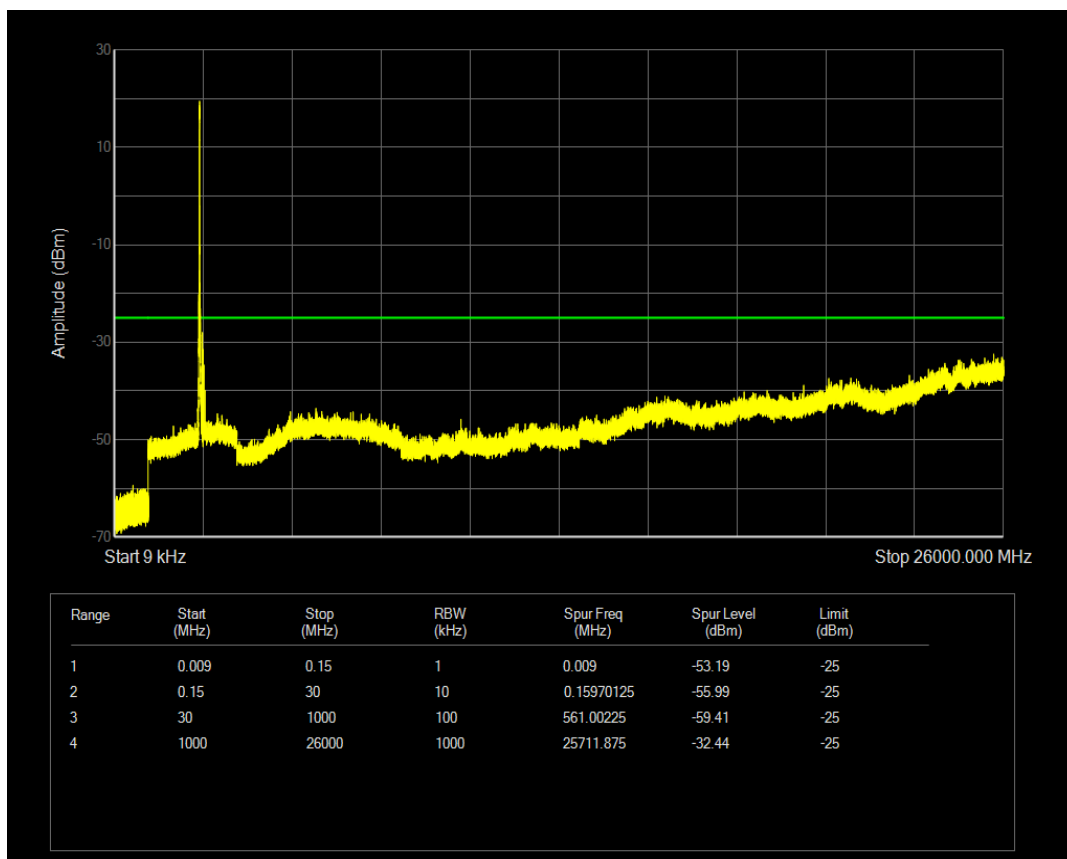




Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0

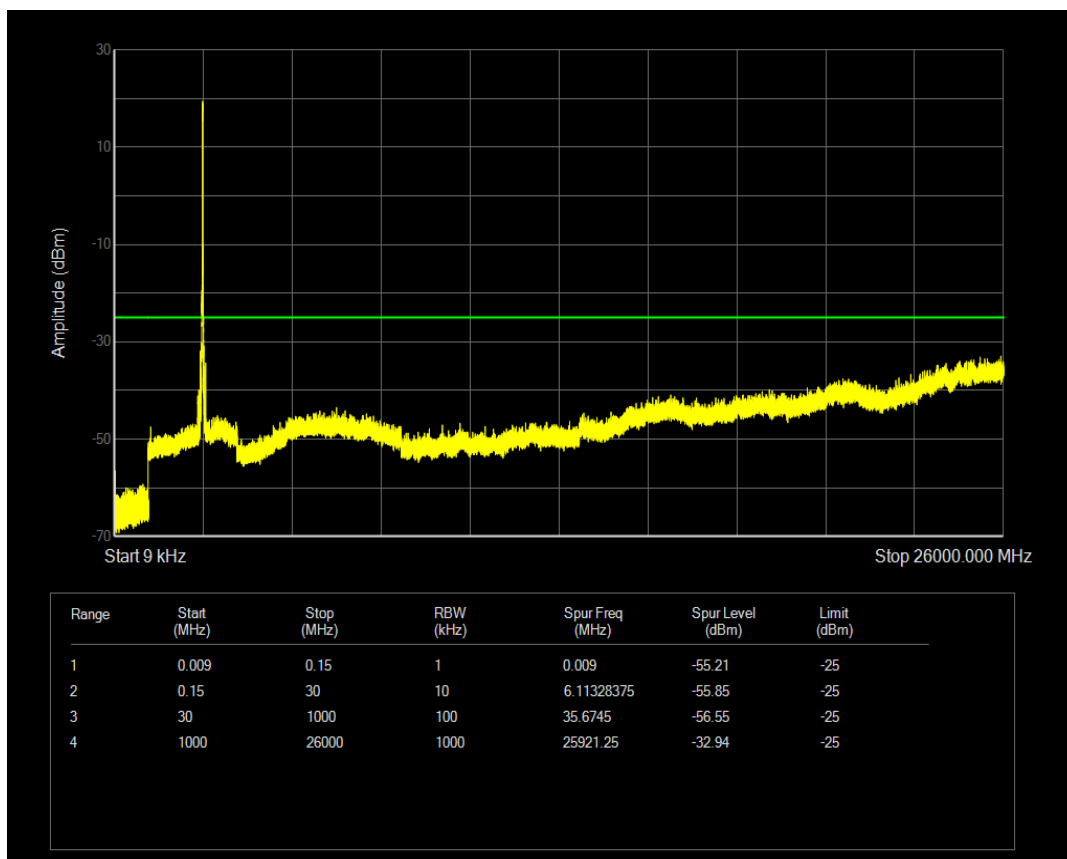


Band41 16QAM BW=15MHz Channel=39725 RB Size=75 Position=#0

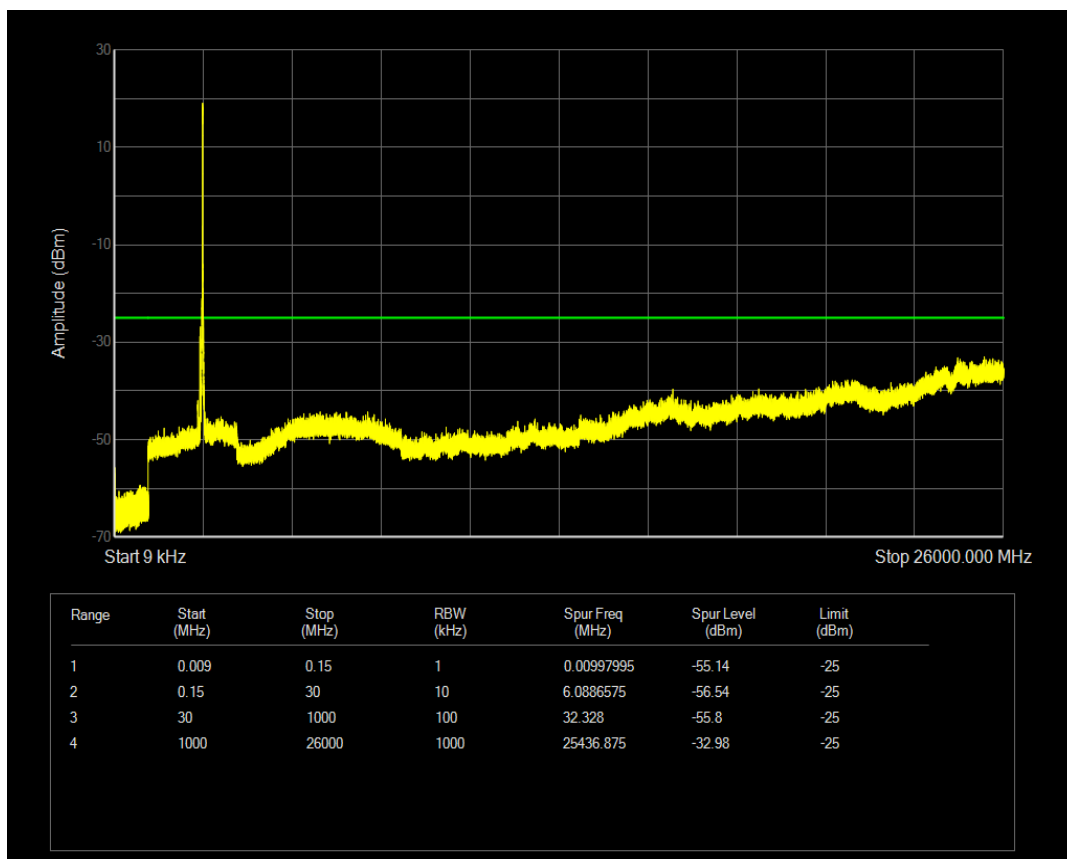




Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0

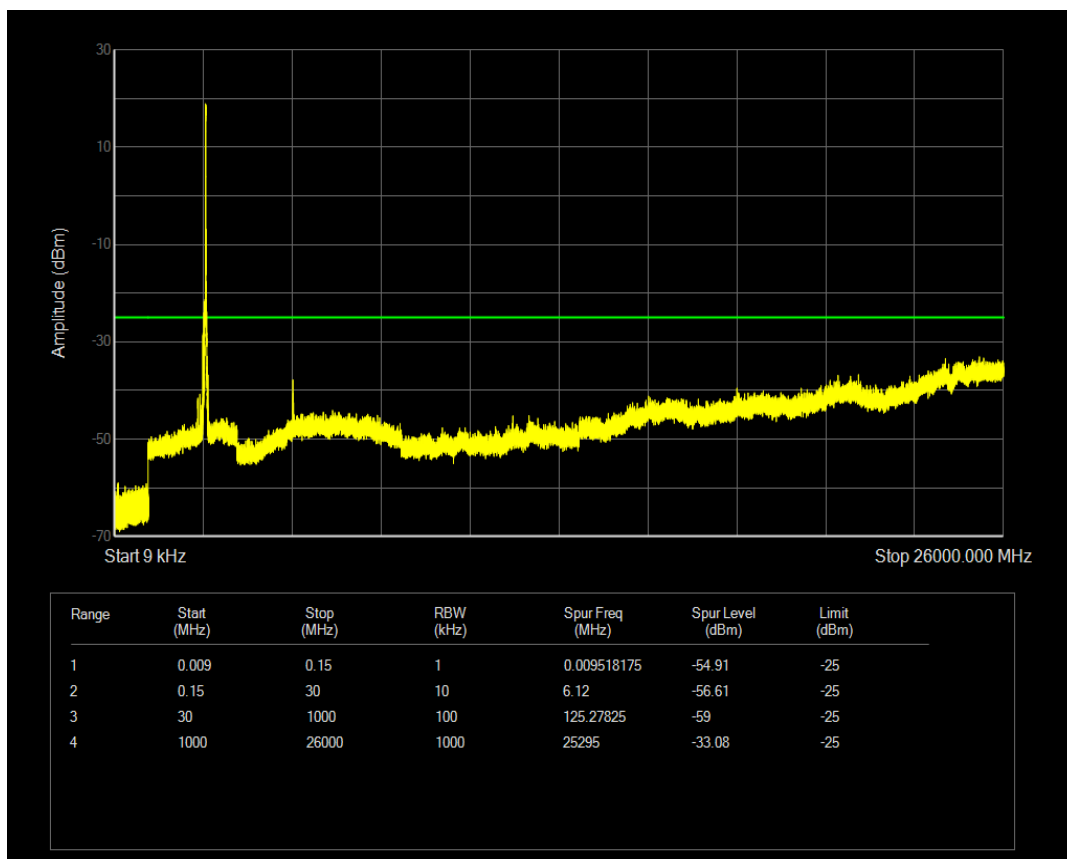


Band41 16QAM BW=15MHz Channel=40620 RB Size=75 Position=#0

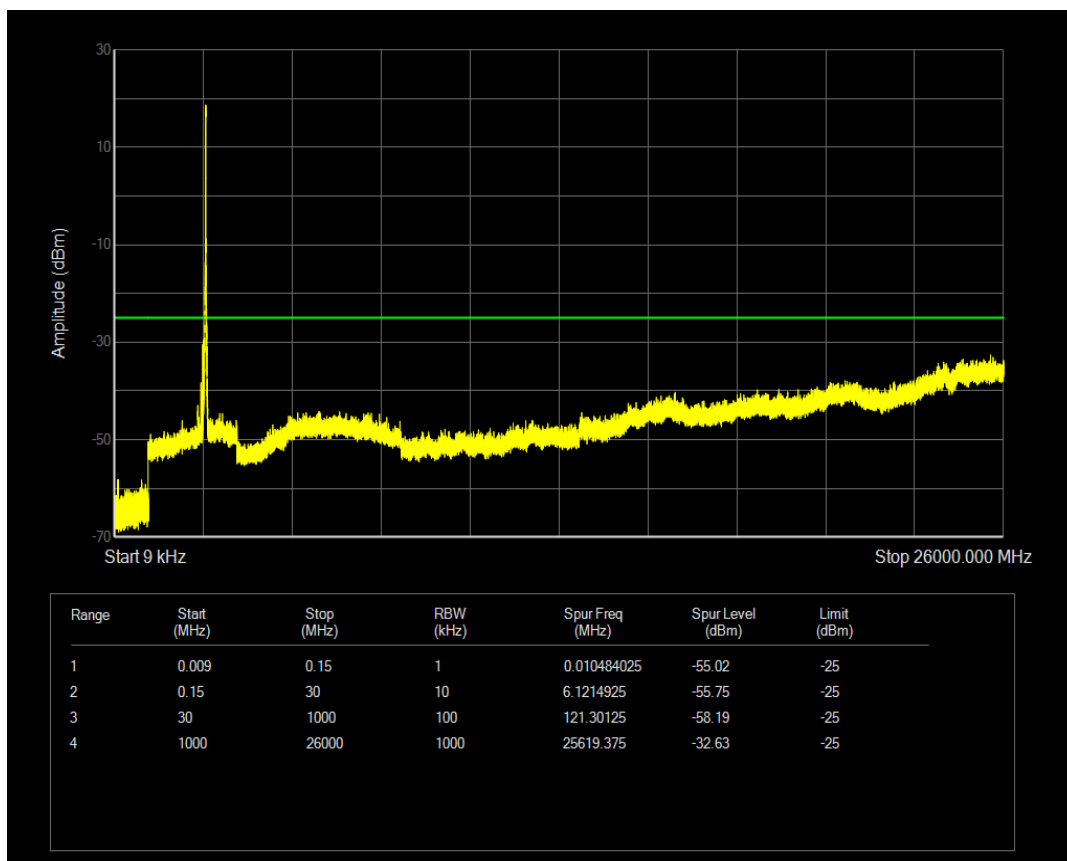




Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0

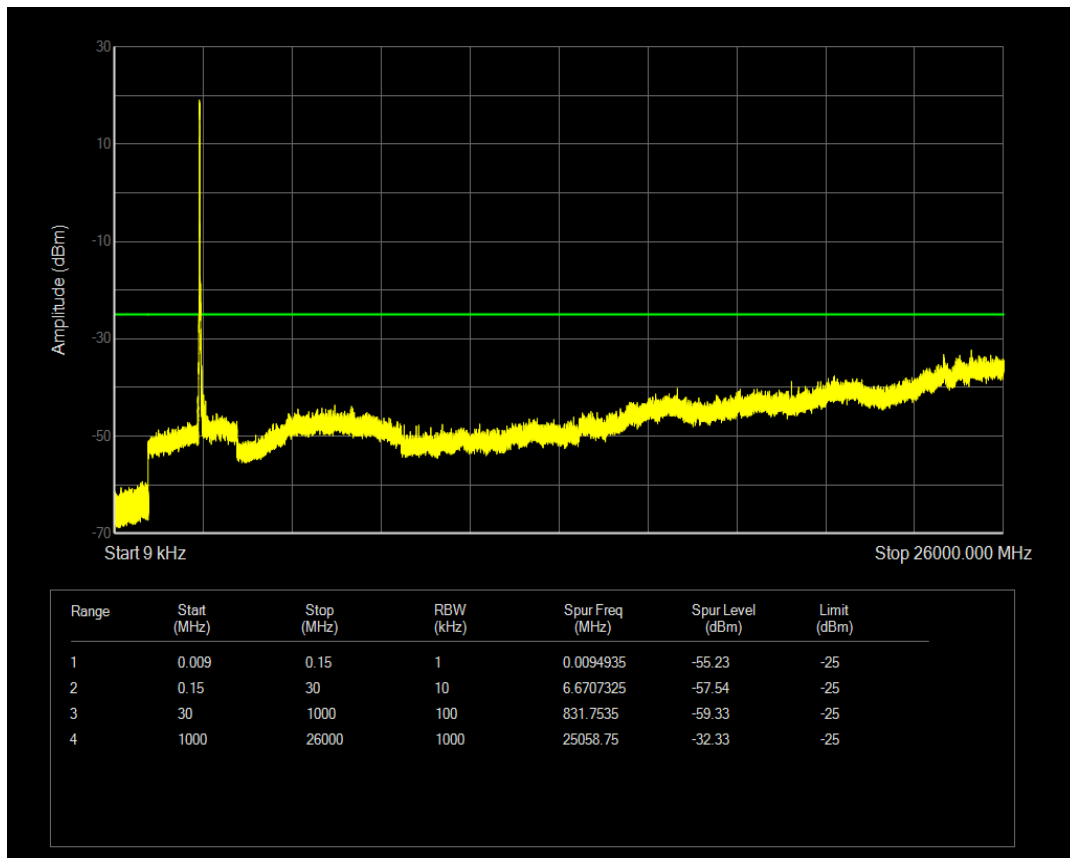


Band41 16QAM BW=15MHz Channel=41515 RB Size=75 Position=#0

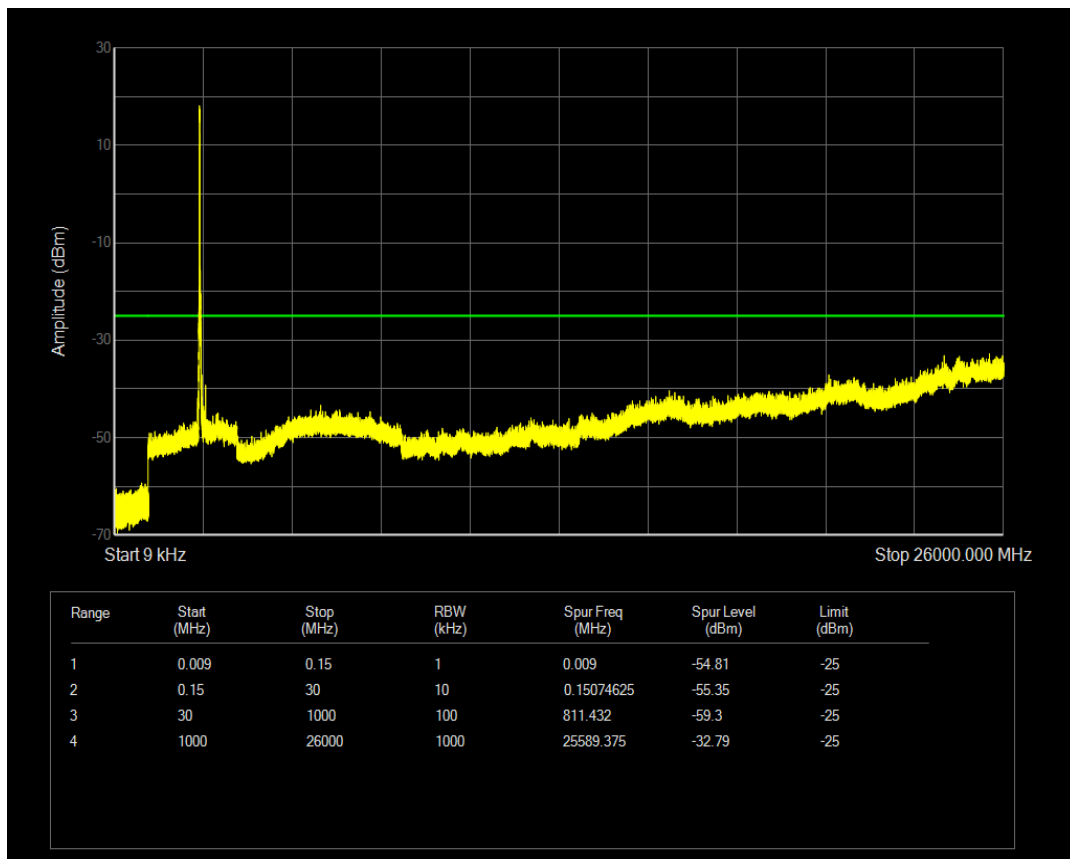




Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0

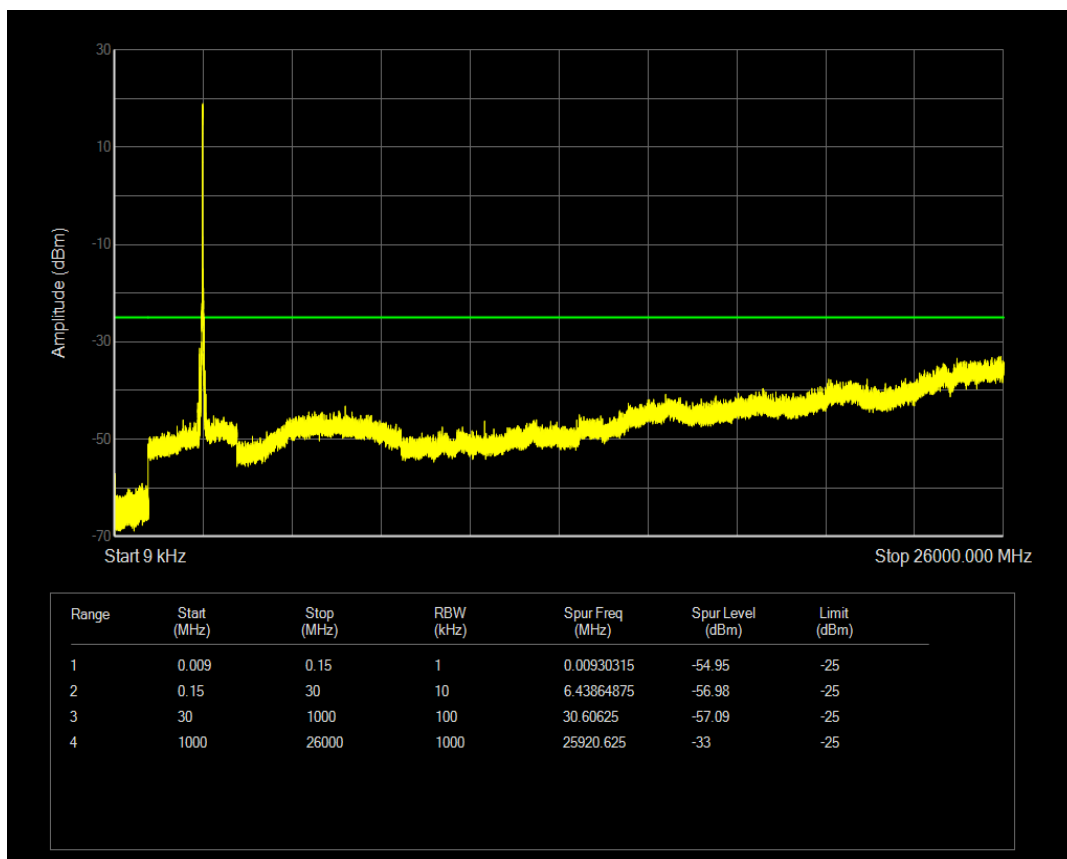


Band41 16QAM BW=20MHz Channel=39750 RB Size=100 Position=#0

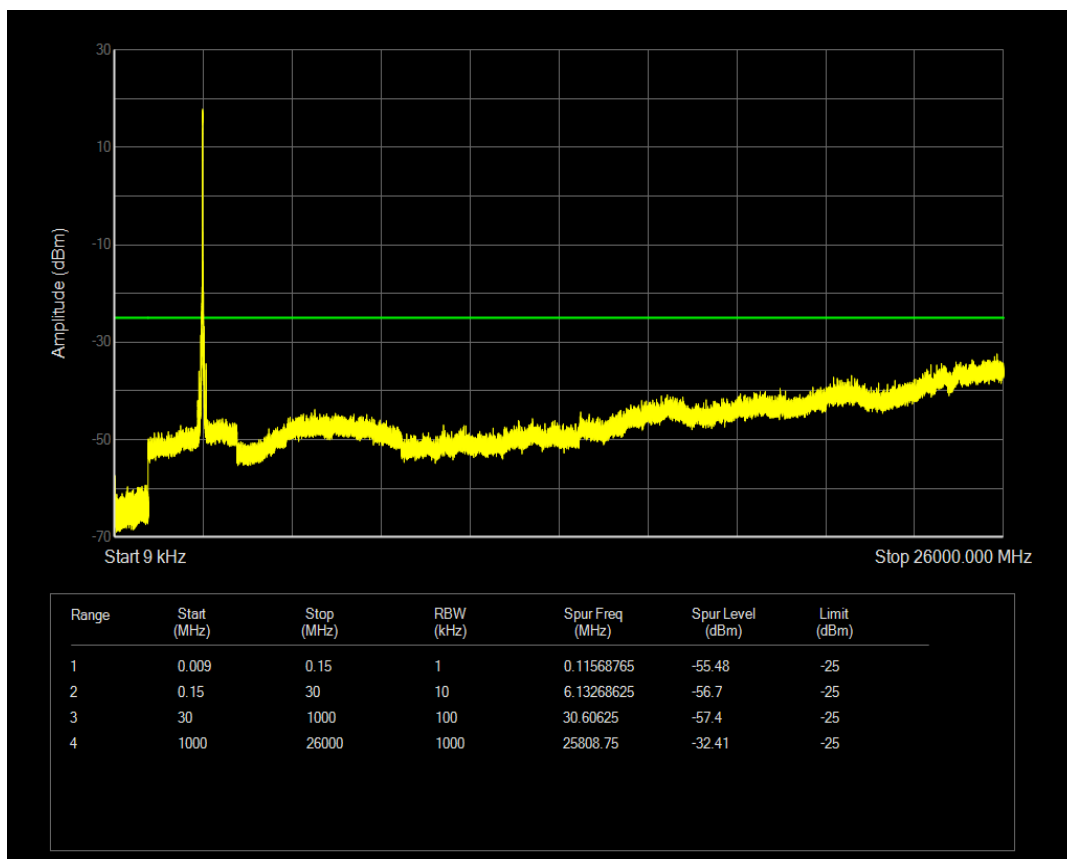




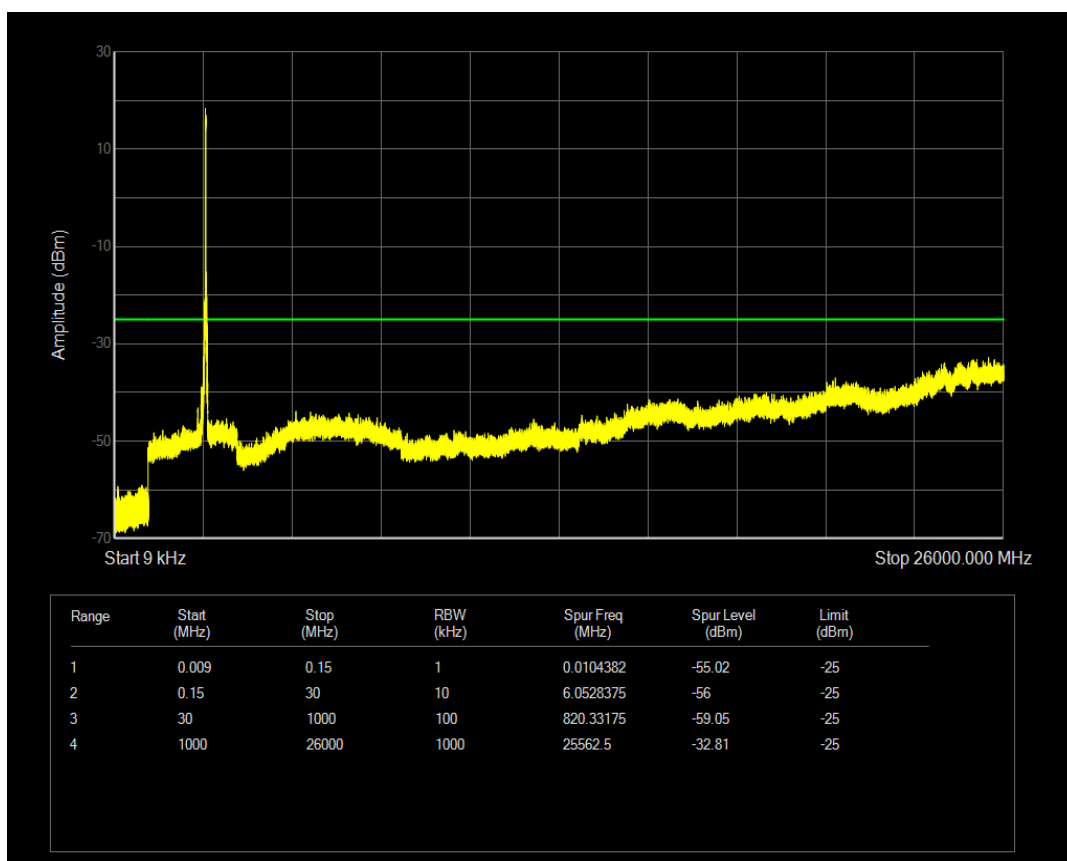
Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0



Band41 16QAM BW=20MHz Channel=40620 RB Size=100 Position=#0



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



Band41 16QAM BW=20MHz Channel=41490 RB Size=100 Position=#0

