

Appendix for Band 41

Report No.: BCTC2408767493-2E

Applicant: Shenzhen Minew Technologies Co., Ltd.

Product Name: Tiny LTE Cellular Gateway

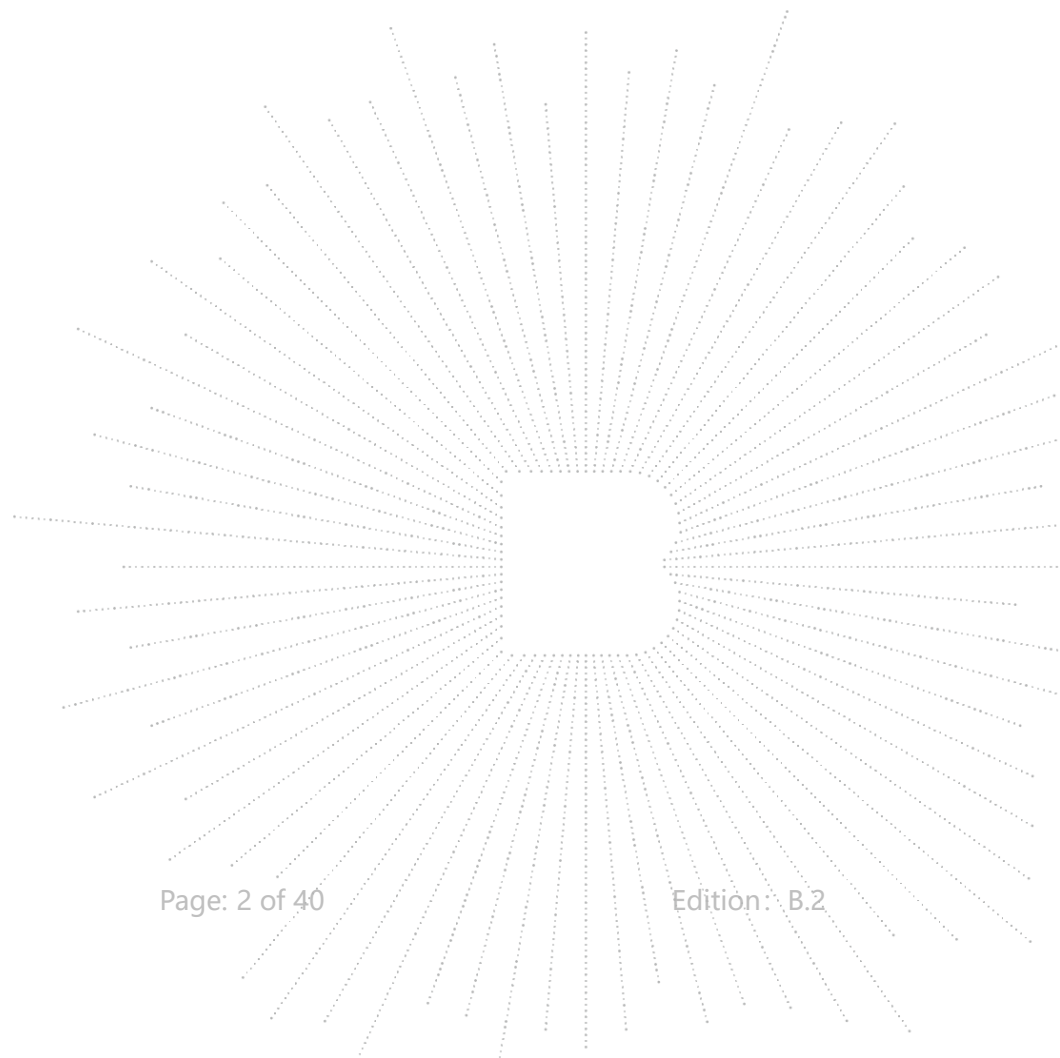
Test Model: MG8

Tested Date: 2024-08-02 to 2024-08-28

Shenzhen BCTC Testing Co., Ltd.

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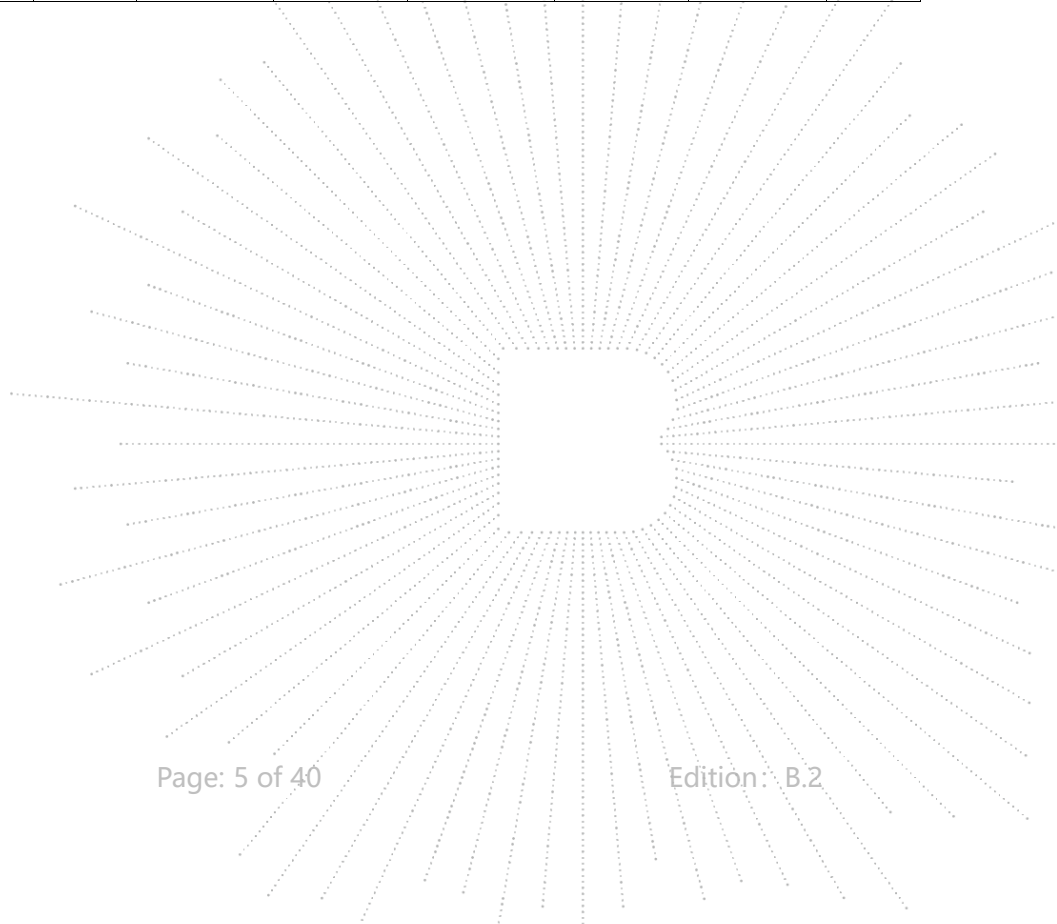


Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band41	5	39675	1	#0	QPSK	20.40	0.13	20.53	PASS
Band41	5	39675	1	#Mid	QPSK	20.30	0.13	20.43	PASS
Band41	5	39675	1	#Max	QPSK	20.20	0.13	20.33	PASS
Band41	5	39675	12	#0	QPSK	19.42	0.13	19.55	PASS
Band41	5	39675	12	#Mid	QPSK	19.36	0.13	19.49	PASS
Band41	5	39675	12	#Max	QPSK	19.32	0.13	19.45	PASS
Band41	5	39675	25	#0	QPSK	19.39	0.13	19.52	PASS
Band41	5	39675	1	#0	16QAM	19.88	0.13	20.01	PASS
Band41	5	39675	1	#Mid	16QAM	19.77	0.13	19.90	PASS
Band41	5	39675	1	#Max	16QAM	19.69	0.13	19.82	PASS
Band41	5	39675	12	#0	16QAM	18.43	0.13	18.56	PASS
Band41	5	39675	12	#Mid	16QAM	18.36	0.13	18.49	PASS
Band41	5	39675	12	#Max	16QAM	18.32	0.13	18.45	PASS
Band41	5	39675	25	#0	16QAM	18.45	0.13	18.58	PASS
Band41	5	40620	1	#0	QPSK	18.56	0.13	18.69	PASS
Band41	5	40620	1	#Mid	QPSK	18.50	0.13	18.63	PASS
Band41	5	40620	1	#Max	QPSK	18.49	0.13	18.62	PASS
Band41	5	40620	12	#0	QPSK	17.53	0.13	17.66	PASS
Band41	5	40620	12	#Mid	QPSK	17.50	0.13	17.63	PASS
Band41	5	40620	12	#Max	QPSK	17.49	0.13	17.62	PASS
Band41	5	40620	25	#0	QPSK	17.53	0.13	17.66	PASS
Band41	5	40620	1	#0	16QAM	17.77	0.13	17.90	PASS
Band41	5	40620	1	#Mid	16QAM	17.72	0.13	17.85	PASS
Band41	5	40620	1	#Max	16QAM	17.71	0.13	17.84	PASS
Band41	5	40620	12	#0	16QAM	16.56	0.13	16.69	PASS
Band41	5	40620	12	#Mid	16QAM	16.53	0.13	16.66	PASS
Band41	5	40620	12	#Max	16QAM	16.52	0.13	16.65	PASS
Band41	5	40620	25	#0	16QAM	16.59	0.13	16.72	PASS
Band41	5	41565	1	#0	QPSK	18.04	0.13	18.17	PASS
Band41	5	41565	1	#Mid	QPSK	18.02	0.13	18.15	PASS
Band41	5	41565	1	#Max	QPSK	18.06	0.13	18.19	PASS
Band41	5	41565	12	#0	QPSK	16.98	0.13	17.11	PASS
Band41	5	41565	12	#Mid	QPSK	17.00	0.13	17.13	PASS
Band41	5	41565	12	#Max	QPSK	17.00	0.13	17.13	PASS
Band41	5	41565	25	#0	QPSK	17.04	0.13	17.17	PASS
Band41	5	41565	1	#0	16QAM	17.52	0.13	17.65	PASS

Band41	5	41565	1	#Mid	16QAM	17.51	0.13	17.64	PASS
Band41	5	41565	1	#Max	16QAM	17.57	0.13	17.70	PASS
Band41	5	41565	12	#0	16QAM	16.10	0.13	16.23	PASS
Band41	5	41565	12	#Mid	16QAM	16.13	0.13	16.26	PASS
Band41	5	41565	12	#Max	16QAM	16.13	0.13	16.26	PASS
Band41	5	41565	25	#0	16QAM	16.11	0.13	16.24	PASS
Band41	10	39700	1	#0	QPSK	20.52	0.13	20.65	PASS
Band41	10	39700	1	#Mid	QPSK	20.29	0.13	20.42	PASS
Band41	10	39700	1	#Max	QPSK	20.10	0.13	20.23	PASS
Band41	10	39700	25	#0	QPSK	19.47	0.13	19.60	PASS
Band41	10	39700	25	#Mid	QPSK	19.34	0.13	19.47	PASS
Band41	10	39700	25	#Max	QPSK	19.24	0.13	19.37	PASS
Band41	10	39700	50	#0	QPSK	19.36	0.13	19.49	PASS
Band41	10	40620	1	#0	QPSK	18.63	0.13	18.76	PASS
Band41	10	40620	1	#Mid	QPSK	18.49	0.13	18.62	PASS
Band41	10	40620	1	#Max	QPSK	18.43	0.13	18.56	PASS
Band41	10	40620	25	#0	QPSK	17.62	0.13	17.75	PASS
Band41	10	40620	25	#Mid	QPSK	17.58	0.13	17.71	PASS
Band41	10	40620	25	#Max	QPSK	17.53	0.13	17.66	PASS
Band41	10	40620	50	#0	QPSK	17.58	0.13	17.71	PASS
Band41	10	41540	1	#0	QPSK	18.08	0.13	18.21	PASS
Band41	10	41540	1	#Mid	QPSK	18.00	0.13	18.13	PASS
Band41	10	41540	1	#Max	QPSK	18.03	0.13	18.16	PASS
Band41	10	41540	25	#0	QPSK	17.04	0.13	17.17	PASS
Band41	10	41540	25	#Mid	QPSK	17.02	0.13	17.15	PASS
Band41	10	41540	25	#Max	QPSK	17.03	0.13	17.16	PASS
Band41	10	41540	50	#0	QPSK	17.05	0.13	17.18	PASS
Band41	15	39725	1	#0	QPSK	20.58	0.13	20.71	PASS
Band41	15	39725	1	#Mid	QPSK	20.27	0.13	20.40	PASS
Band41	15	39725	1	#Max	QPSK	20.05	0.13	20.18	PASS
Band41	15	39725	36	#0	QPSK	19.49	0.13	19.62	PASS
Band41	15	39725	36	#Mid	QPSK	19.35	0.13	19.48	PASS
Band41	15	39725	36	#Max	QPSK	19.21	0.13	19.34	PASS
Band41	15	39725	75	#0	QPSK	20.36	0.13	20.49	PASS
Band41	15	40620	1	#0	QPSK	18.86	0.13	18.99	PASS
Band41	15	40620	1	#Mid	QPSK	18.82	0.13	18.95	PASS
Band41	15	40620	1	#Max	QPSK	18.71	0.13	18.84	PASS
Band41	15	40620	36	#0	QPSK	17.91	0.13	18.04	PASS
Band41	15	40620	36	#Mid	QPSK	17.83	0.13	17.96	PASS
Band41	15	40620	36	#Max	QPSK	17.78	0.13	17.91	PASS
Band41	15	40620	75	#0	QPSK	18.79	0.13	18.92	PASS
Band41	15	41515	1	#0	QPSK	18.46	0.13	18.59	PASS
Band41	15	41515	1	#Mid	QPSK	18.24	0.13	18.37	PASS

Band41	15	41515	1	#Max	QPSK	18.19	0.13	18.32	PASS
Band41	15	41515	36	#0	QPSK	17.31	0.13	17.44	PASS
Band41	15	41515	36	#Mid	QPSK	17.25	0.13	17.38	PASS
Band41	15	41515	36	#Max	QPSK	17.21	0.13	17.34	PASS
Band41	15	41515	75	#0	QPSK	18.29	0.13	18.42	PASS
Band41	20	39750	1	#0	QPSK	21.21	0.13	21.34	PASS
Band41	20	39750	1	#Mid	QPSK	20.88	0.13	21.01	PASS
Band41	20	39750	1	#Max	QPSK	20.64	0.13	20.77	PASS
Band41	20	39750	50	#0	QPSK	20.16	0.13	20.29	PASS
Band41	20	39750	50	#Mid	QPSK	20.01	0.13	20.14	PASS
Band41	20	39750	50	#Max	QPSK	19.89	0.13	20.02	PASS
Band41	20	39750	100	#0	QPSK	20.88	0.13	21.01	PASS
Band41	20	40620	1	#0	QPSK	19.50	0.13	19.63	PASS
Band41	20	40620	1	#Mid	QPSK	19.24	0.13	19.37	PASS
Band41	20	40620	1	#Max	QPSK	19.15	0.13	19.28	PASS
Band41	20	40620	50	#0	QPSK	18.31	0.13	18.44	PASS
Band41	20	40620	50	#Mid	QPSK	18.22	0.13	18.35	PASS
Band41	20	40620	50	#Max	QPSK	18.14	0.13	18.27	PASS
Band41	20	40620	100	#0	QPSK	19.18	0.13	19.31	PASS
Band41	20	41490	1	#0	QPSK	19.02	0.13	19.15	PASS
Band41	20	41490	1	#Mid	QPSK	18.69	0.13	18.82	PASS
Band41	20	41490	1	#Max	QPSK	18.55	0.13	18.68	PASS
Band41	20	41490	50	#0	QPSK	17.83	0.13	17.96	PASS
Band41	20	41490	50	#Mid	QPSK	17.64	0.13	17.77	PASS
Band41	20	41490	50	#Max	QPSK	17.57	0.13	17.70	PASS
Band41	20	41490	100	#0	QPSK	18.61	0.13	18.74	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	0.51	0.000	PASS
Band41	5	39675	25	#0	QPSK	NV	NT	-1.52	-0.001	PASS
Band41	5	39675	25	#0	QPSK	HV	NT	2.45	0.001	PASS
Band41	5	39675	25	#0	16QAM	LV	NT	-0.51	0.000	PASS
Band41	5	39675	25	#0	16QAM	NV	NT	1.06	0.000	PASS
Band41	5	39675	25	#0	16QAM	HV	NT	-0.54	0.000	PASS
Band41	5	40620	25	#0	QPSK	LV	NT	-0.69	0.000	PASS
Band41	5	40620	25	#0	QPSK	NV	NT	-1.92	-0.001	PASS
Band41	5	40620	25	#0	QPSK	HV	NT	-0.83	0.000	PASS
Band41	5	40620	25	#0	16QAM	LV	NT	0.96	0.000	PASS
Band41	5	40620	25	#0	16QAM	NV	NT	0.47	0.000	PASS
Band41	5	40620	25	#0	16QAM	HV	NT	2.86	0.001	PASS
Band41	5	41565	25	#0	QPSK	LV	NT	-0.89	0.000	PASS
Band41	5	41565	25	#0	QPSK	NV	NT	0.20	0.000	PASS
Band41	5	41565	25	#0	QPSK	HV	NT	-0.01	0.000	PASS
Band41	5	41565	25	#0	16QAM	LV	NT	-0.80	0.000	PASS
Band41	5	41565	25	#0	16QAM	NV	NT	-1.67	-0.001	PASS
Band41	5	41565	25	#0	16QAM	HV	NT	-0.77	0.000	PASS
Band41	10	39700	50	#0	QPSK	LV	NT	1.42	0.001	PASS
Band41	10	39700	50	#0	QPSK	NV	NT	1.36	0.001	PASS
Band41	10	39700	50	#0	QPSK	HV	NT	0.00	0.000	PASS
Band41	10	40620	50	#0	QPSK	LV	NT	0.09	0.000	PASS
Band41	10	40620	50	#0	QPSK	NV	NT	-0.87	0.000	PASS
Band41	10	40620	50	#0	QPSK	HV	NT	0.63	0.000	PASS
Band41	10	41540	50	#0	QPSK	LV	NT	-0.59	0.000	PASS
Band41	10	41540	50	#0	QPSK	NV	NT	0.00	0.000	PASS
Band41	10	41540	50	#0	QPSK	HV	NT	-0.56	0.000	PASS
Band41	15	39725	75	#0	QPSK	LV	NT	1.20	0.000	PASS
Band41	15	39725	75	#0	QPSK	NV	NT	-0.96	0.000	PASS
Band41	15	39725	75	#0	QPSK	HV	NT	1.29	0.001	PASS
Band41	15	40620	75	#0	QPSK	LV	NT	-0.97	0.000	PASS
Band41	15	40620	75	#0	QPSK	NV	NT	0.13	0.000	PASS
Band41	15	40620	75	#0	QPSK	HV	NT	-0.21	0.000	PASS
Band41	15	41515	75	#0	QPSK	LV	NT	0.13	0.000	PASS
Band41	15	41515	75	#0	QPSK	NV	NT	-1.42	-0.001	PASS
Band41	15	41515	75	#0	QPSK	HV	NT	-3.22	-0.001	PASS
Band41	20	39750	100	#0	QPSK	LV	NT	-1.32	-0.001	PASS
Band41	20	39750	100	#0	QPSK	NV	NT	-1.42	-0.001	PASS

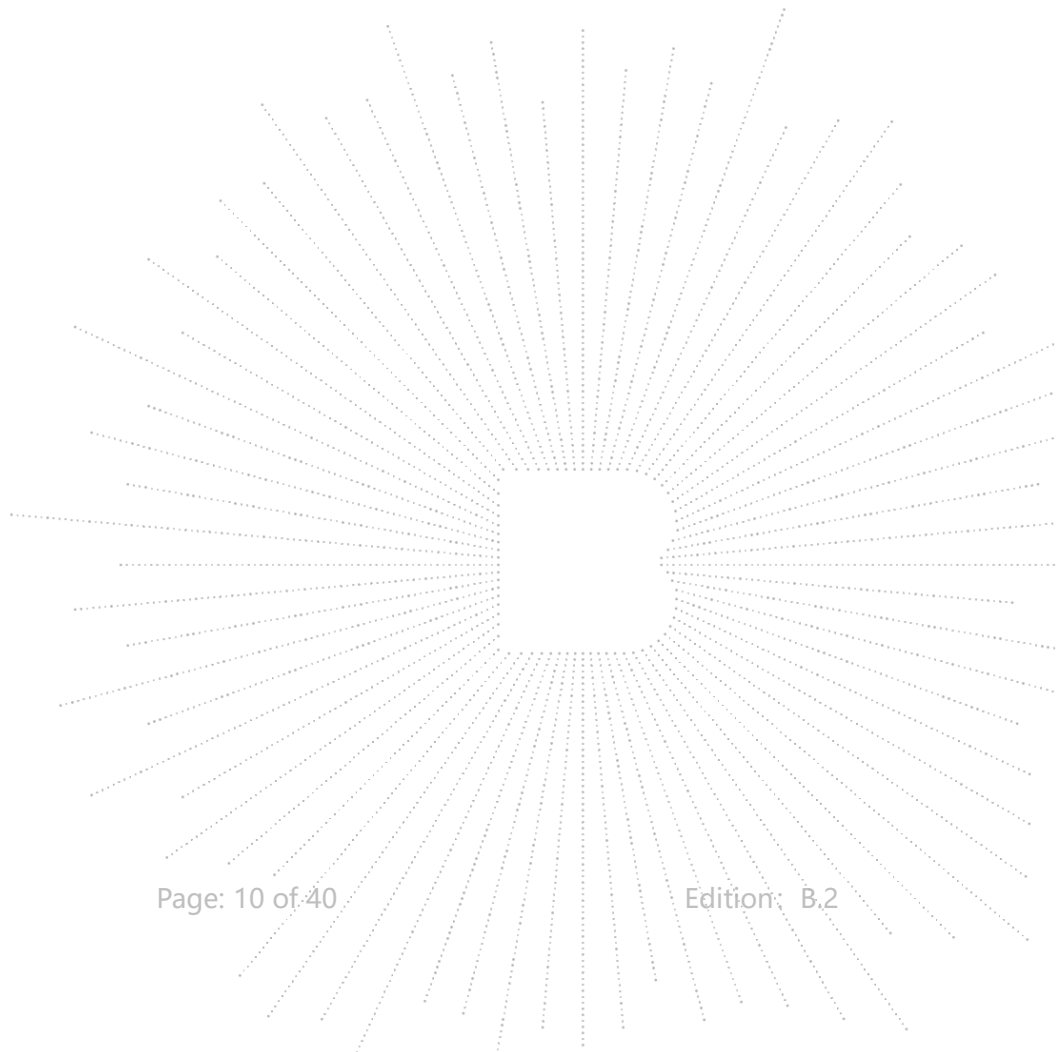
Band41	20	39750	100	#0	QPSK	HV	NT	0.51	0.000	PASS
Band41	20	40620	100	#0	QPSK	LV	NT	0.39	0.000	PASS
Band41	20	40620	100	#0	QPSK	NV	NT	0.76	0.000	PASS
Band41	20	40620	100	#0	QPSK	HV	NT	-0.07	0.000	PASS
Band41	20	41490	100	#0	QPSK	LV	NT	2.05	0.001	PASS
Band41	20	41490	100	#0	QPSK	NV	NT	0.56	0.000	PASS
Band41	20	41490	100	#0	QPSK	HV	NT	-2.17	-0.001	PASS

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	NV	-30	0.92	0.000	PASS
Band41	5	39675	25	#0	QPSK	NV	-20	-0.29	0.000	PASS
Band41	5	39675	25	#0	QPSK	NV	-10	2.22	0.001	PASS
Band41	5	39675	25	#0	QPSK	NV	0	0.82	0.000	PASS
Band41	5	39675	25	#0	QPSK	NV	10	1.75	0.001	PASS
Band41	5	39675	25	#0	QPSK	NV	20	1.60	0.001	PASS
Band41	5	39675	25	#0	QPSK	NV	30	2.30	0.001	PASS
Band41	5	39675	25	#0	QPSK	NV	40	1.82	0.001	PASS
Band41	5	39675	25	#0	QPSK	NV	50	1.83	0.001	PASS
Band41	5	39675	25	#0	16QAM	NV	-30	1.20	0.000	PASS
Band41	5	39675	25	#0	16QAM	NV	-20	0.40	0.000	PASS
Band41	5	39675	25	#0	16QAM	NV	-10	0.94	0.000	PASS
Band41	5	39675	25	#0	16QAM	NV	0	0.74	0.000	PASS
Band41	5	39675	25	#0	16QAM	NV	10	0.20	0.000	PASS
Band41	5	39675	25	#0	16QAM	NV	20	2.80	0.001	PASS
Band41	5	39675	25	#0	16QAM	NV	30	0.39	0.000	PASS
Band41	5	39675	25	#0	16QAM	NV	40	3.09	0.001	PASS
Band41	5	39675	25	#0	16QAM	NV	50	1.66	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	-30	0.47	0.000	PASS
Band41	5	40620	25	#0	QPSK	NV	-20	2.56	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	-10	2.25	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	0	0.94	0.000	PASS
Band41	5	40620	25	#0	QPSK	NV	10	1.59	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	20	0.67	0.000	PASS
Band41	5	40620	25	#0	QPSK	NV	30	2.45	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	40	1.04	0.000	PASS
Band41	5	40620	25	#0	QPSK	NV	50	1.19	0.000	PASS
Band41	5	40620	25	#0	16QAM	NV	-30	1.70	0.001	PASS
Band41	5	40620	25	#0	16QAM	NV	-20	2.16	0.001	PASS
Band41	5	40620	25	#0	16QAM	NV	-10	-0.93	0.000	PASS
Band41	5	40620	25	#0	16QAM	NV	0	1.65	0.001	PASS
Band41	5	40620	25	#0	16QAM	NV	10	0.87	0.000	PASS
Band41	5	40620	25	#0	16QAM	NV	20	0.01	0.000	PASS

Band41	5	40620	25	#0	16QAM	NV	30	3.00	0.001	PASS
Band41	5	40620	25	#0	16QAM	NV	40	1.22	0.000	PASS
Band41	5	40620	25	#0	16QAM	NV	50	0.21	0.000	PASS
Band41	5	41565	25	#0	QPSK	NV	-30	3.52	0.001	PASS
Band41	5	41565	25	#0	QPSK	NV	-20	2.22	0.001	PASS
Band41	5	41565	25	#0	QPSK	NV	-10	0.89	0.000	PASS
Band41	5	41565	25	#0	QPSK	NV	0	2.10	0.001	PASS
Band41	5	41565	25	#0	QPSK	NV	10	1.59	0.001	PASS
Band41	5	41565	25	#0	QPSK	NV	20	0.30	0.000	PASS
Band41	5	41565	25	#0	QPSK	NV	30	-0.82	0.000	PASS
Band41	5	41565	25	#0	QPSK	NV	40	1.66	0.001	PASS
Band41	5	41565	25	#0	QPSK	NV	50	-0.07	0.000	PASS
Band41	5	41565	25	#0	16QAM	NV	-30	-0.41	0.000	PASS
Band41	5	41565	25	#0	16QAM	NV	-20	2.49	0.001	PASS
Band41	5	41565	25	#0	16QAM	NV	-10	-0.37	0.000	PASS
Band41	5	41565	25	#0	16QAM	NV	0	2.40	0.001	PASS
Band41	5	41565	25	#0	16QAM	NV	10	0.77	0.000	PASS
Band41	5	41565	25	#0	16QAM	NV	20	1.17	0.000	PASS
Band41	5	41565	25	#0	16QAM	NV	30	1.57	0.001	PASS
Band41	5	41565	25	#0	16QAM	NV	40	-0.77	0.000	PASS
Band41	5	41565	25	#0	16QAM	NV	50	-0.01	0.000	PASS
Band41	10	39700	50	#0	QPSK	NV	-30	2.35	0.001	PASS
Band41	10	39700	50	#0	QPSK	NV	-20	1.34	0.001	PASS
Band41	10	39700	50	#0	QPSK	NV	-10	0.54	0.000	PASS
Band41	10	39700	50	#0	QPSK	NV	0	3.16	0.001	PASS
Band41	10	39700	50	#0	QPSK	NV	10	3.18	0.001	PASS
Band41	10	39700	50	#0	QPSK	NV	20	3.68	0.001	PASS
Band41	10	39700	50	#0	QPSK	NV	30	1.67	0.001	PASS
Band41	10	39700	50	#0	QPSK	NV	40	3.08	0.001	PASS
Band41	10	39700	50	#0	QPSK	NV	50	2.36	0.001	PASS
Band41	10	40620	50	#0	QPSK	NV	-30	0.62	0.000	PASS
Band41	10	40620	50	#0	QPSK	NV	-20	2.30	0.001	PASS
Band41	10	40620	50	#0	QPSK	NV	-10	1.54	0.001	PASS
Band41	10	40620	50	#0	QPSK	NV	0	0.97	0.000	PASS
Band41	10	40620	50	#0	QPSK	NV	10	-0.33	0.000	PASS
Band41	10	40620	50	#0	QPSK	NV	20	1.02	0.000	PASS
Band41	10	40620	50	#0	QPSK	NV	30	0.19	0.000	PASS
Band41	10	40620	50	#0	QPSK	NV	40	2.37	0.001	PASS
Band41	10	40620	50	#0	QPSK	NV	50	0.53	0.000	PASS
Band41	10	41540	50	#0	QPSK	NV	-30	-1.40	-0.001	PASS
Band41	10	41540	50	#0	QPSK	NV	-20	0.09	0.000	PASS
Band41	10	41540	50	#0	QPSK	NV	-10	0.70	0.000	PASS
Band41	10	41540	50	#0	QPSK	NV	0	-0.30	0.000	PASS

Band41	10	41540	50	#0	QPSK	NV	10	1.96	0.001	PASS
Band41	10	41540	50	#0	QPSK	NV	20	-0.54	0.000	PASS
Band41	10	41540	50	#0	QPSK	NV	30	-1.43	-0.001	PASS
Band41	10	41540	50	#0	QPSK	NV	40	0.96	0.000	PASS
Band41	10	41540	50	#0	QPSK	NV	50	-0.29	0.000	PASS
Band41	15	39725	75	#0	QPSK	NV	-30	1.52	0.001	PASS
Band41	15	39725	75	#0	QPSK	NV	-20	0.87	0.000	PASS
Band41	15	39725	75	#0	QPSK	NV	-10	2.53	0.001	PASS
Band41	15	39725	75	#0	QPSK	NV	0	1.83	0.001	PASS
Band41	15	39725	75	#0	QPSK	NV	10	0.43	0.000	PASS
Band41	15	39725	75	#0	QPSK	NV	20	0.72	0.000	PASS
Band41	15	39725	75	#0	QPSK	NV	30	4.18	0.002	PASS
Band41	15	39725	75	#0	QPSK	NV	40	0.51	0.000	PASS
Band41	15	39725	75	#0	QPSK	NV	50	0.97	0.000	PASS
Band41	15	40620	75	#0	QPSK	NV	-30	2.65	0.001	PASS
Band41	15	40620	75	#0	QPSK	NV	-20	4.01	0.002	PASS
Band41	15	40620	75	#0	QPSK	NV	-10	1.52	0.001	PASS
Band41	15	40620	75	#0	QPSK	NV	0	0.44	0.000	PASS
Band41	15	40620	75	#0	QPSK	NV	10	0.29	0.000	PASS
Band41	15	40620	75	#0	QPSK	NV	20	0.66	0.000	PASS
Band41	15	40620	75	#0	QPSK	NV	30	2.35	0.001	PASS
Band41	15	40620	75	#0	QPSK	NV	40	1.50	0.001	PASS
Band41	15	40620	75	#0	QPSK	NV	50	-0.31	0.000	PASS
Band41	15	41515	75	#0	QPSK	NV	-30	-1.04	0.000	PASS
Band41	15	41515	75	#0	QPSK	NV	-20	1.60	0.001	PASS
Band41	15	41515	75	#0	QPSK	NV	-10	0.56	0.000	PASS
Band41	15	41515	75	#0	QPSK	NV	0	-0.86	0.000	PASS
Band41	15	41515	75	#0	QPSK	NV	10	-0.23	0.000	PASS
Band41	15	41515	75	#0	QPSK	NV	20	1.52	0.001	PASS
Band41	15	41515	75	#0	QPSK	NV	30	-2.19	-0.001	PASS
Band41	15	41515	75	#0	QPSK	NV	40	-0.54	0.000	PASS
Band41	15	41515	75	#0	QPSK	NV	50	1.66	0.001	PASS
Band41	20	39750	100	#0	QPSK	NV	-30	3.00	0.001	PASS
Band41	20	39750	100	#0	QPSK	NV	-20	1.40	0.001	PASS
Band41	20	39750	100	#0	QPSK	NV	-10	1.13	0.000	PASS
Band41	20	39750	100	#0	QPSK	NV	0	1.07	0.000	PASS
Band41	20	39750	100	#0	QPSK	NV	10	1.86	0.001	PASS
Band41	20	39750	100	#0	QPSK	NV	20	0.44	0.000	PASS
Band41	20	39750	100	#0	QPSK	NV	30	0.63	0.000	PASS
Band41	20	39750	100	#0	QPSK	NV	40	2.00	0.001	PASS
Band41	20	39750	100	#0	QPSK	NV	50	2.36	0.001	PASS
Band41	20	40620	100	#0	QPSK	NV	-30	2.26	0.001	PASS
Band41	20	40620	100	#0	QPSK	NV	-20	0.86	0.000	PASS

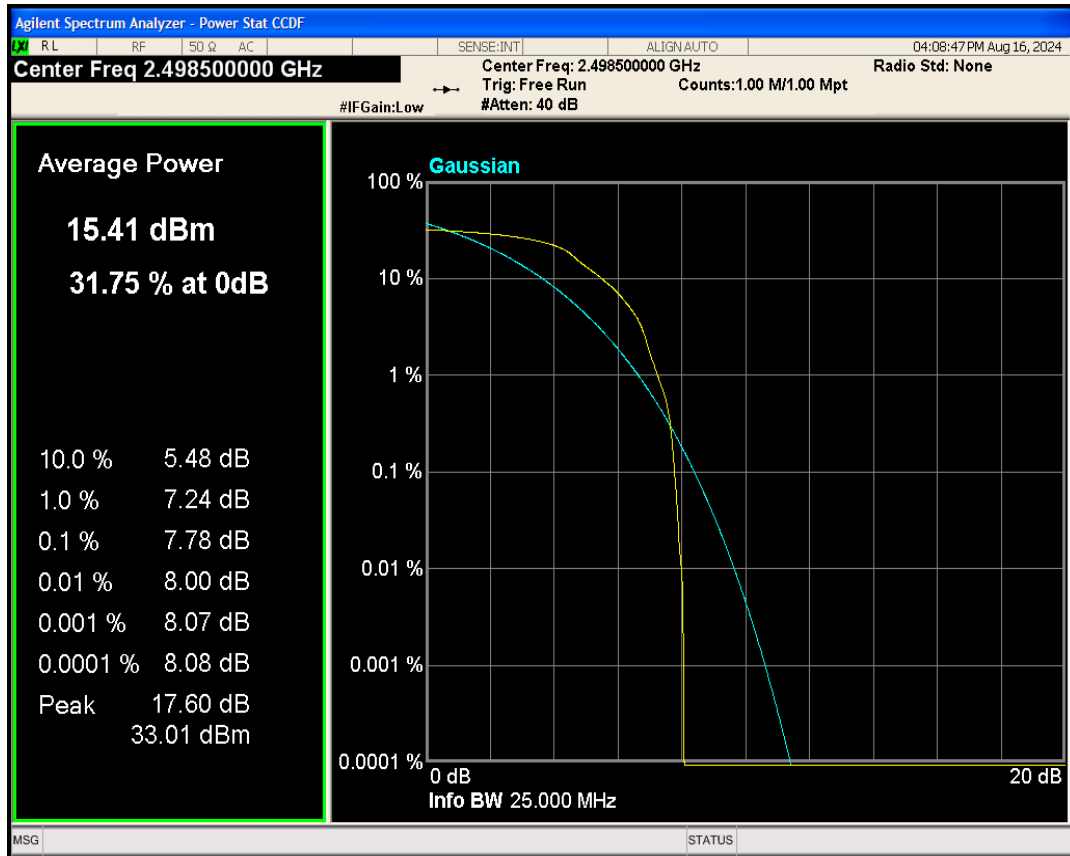
Band41	20	40620	100	#0	QPSK	NV	-10	1.85	0.001	PASS
Band41	20	40620	100	#0	QPSK	NV	0	2.82	0.001	PASS
Band41	20	40620	100	#0	QPSK	NV	10	0.90	0.000	PASS
Band41	20	40620	100	#0	QPSK	NV	20	1.62	0.001	PASS
Band41	20	40620	100	#0	QPSK	NV	30	0.56	0.000	PASS
Band41	20	40620	100	#0	QPSK	NV	40	3.19	0.001	PASS
Band41	20	40620	100	#0	QPSK	NV	50	0.66	0.000	PASS
Band41	20	41490	100	#0	QPSK	NV	-30	0.14	0.000	PASS
Band41	20	41490	100	#0	QPSK	NV	-20	-0.41	0.000	PASS
Band41	20	41490	100	#0	QPSK	NV	-10	1.37	0.001	PASS
Band41	20	41490	100	#0	QPSK	NV	0	0.01	0.000	PASS
Band41	20	41490	100	#0	QPSK	NV	10	1.69	0.001	PASS
Band41	20	41490	100	#0	QPSK	NV	20	0.50	0.000	PASS
Band41	20	41490	100	#0	QPSK	NV	30	0.79	0.000	PASS
Band41	20	41490	100	#0	QPSK	NV	40	1.19	0.000	PASS
Band41	20	41490	100	#0	QPSK	NV	50	1.89	0.001	PASS



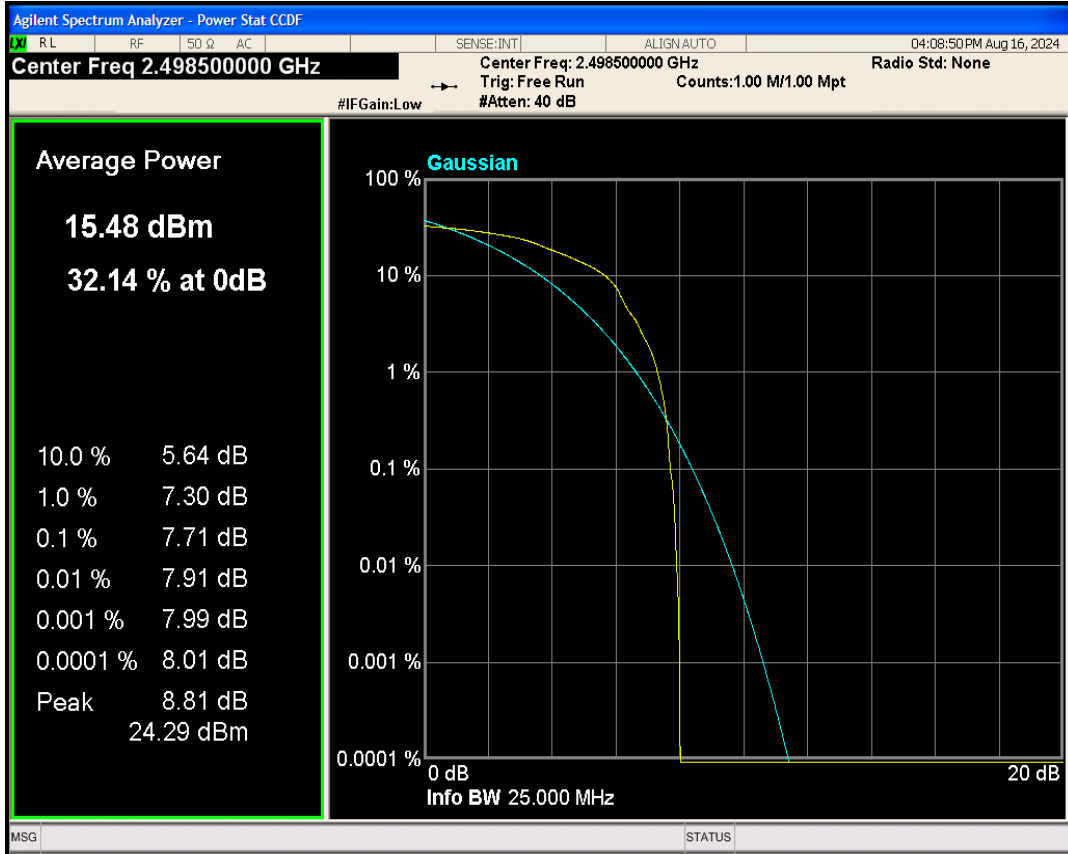
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band41	5	39675	1	#0	QPSK	7.78	13	PASS
Band41	5	39675	1	#0	16QAM	7.71	13	PASS
Band41	5	40620	1	#0	QPSK	9.66	13	PASS
Band41	5	40620	1	#0	16QAM	9.97	13	PASS
Band41	5	41565	1	#0	QPSK	11.34	13	PASS
Band41	5	41565	1	#0	16QAM	11.62	13	PASS
Band41	10	39700	1	#0	QPSK	8.37	13	PASS
Band41	10	40620	1	#0	QPSK	10.01	13	PASS
Band41	10	41540	1	#0	QPSK	8.29	13	PASS
Band41	15	39725	1	#0	QPSK	7.10	13	PASS
Band41	15	40620	1	#0	QPSK	7.99	13	PASS
Band41	15	41515	1	#0	QPSK	7.82	13	PASS
Band41	20	39750	1	#0	QPSK	7.72	13	PASS
Band41	20	40620	1	#0	QPSK	8.82	13	PASS
Band41	20	41490	1	#0	QPSK	7.53	13	PASS

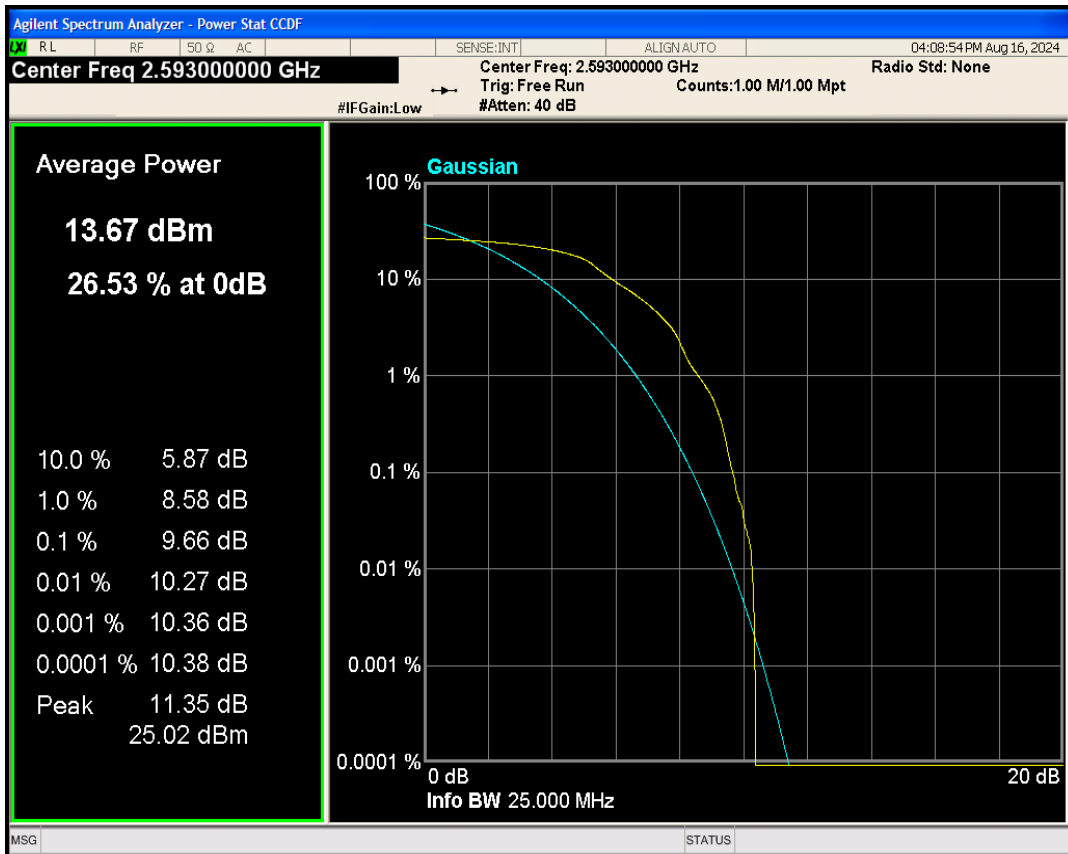
Band41 QPSK BW=5MHz Channel=39675 RB Size=1 Position=#0



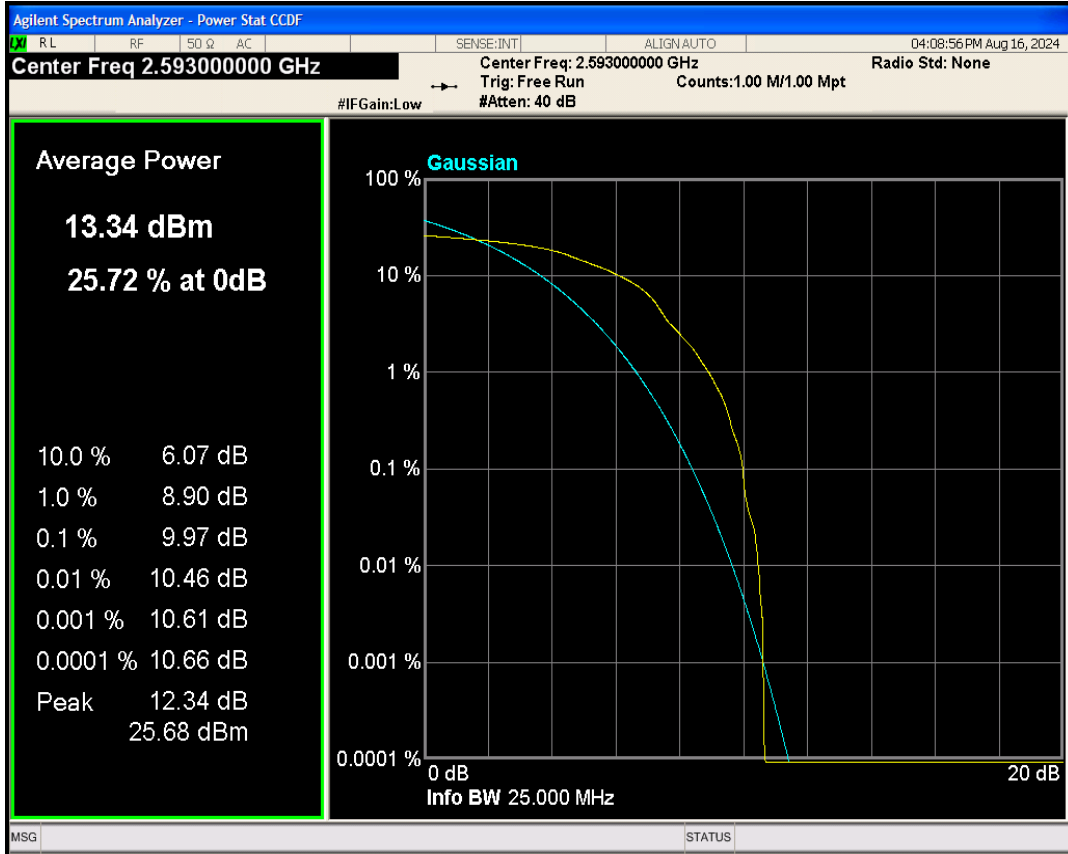
Band41 16QAM BW=5MHz Channel=39675 RB Size=1 Position=#0



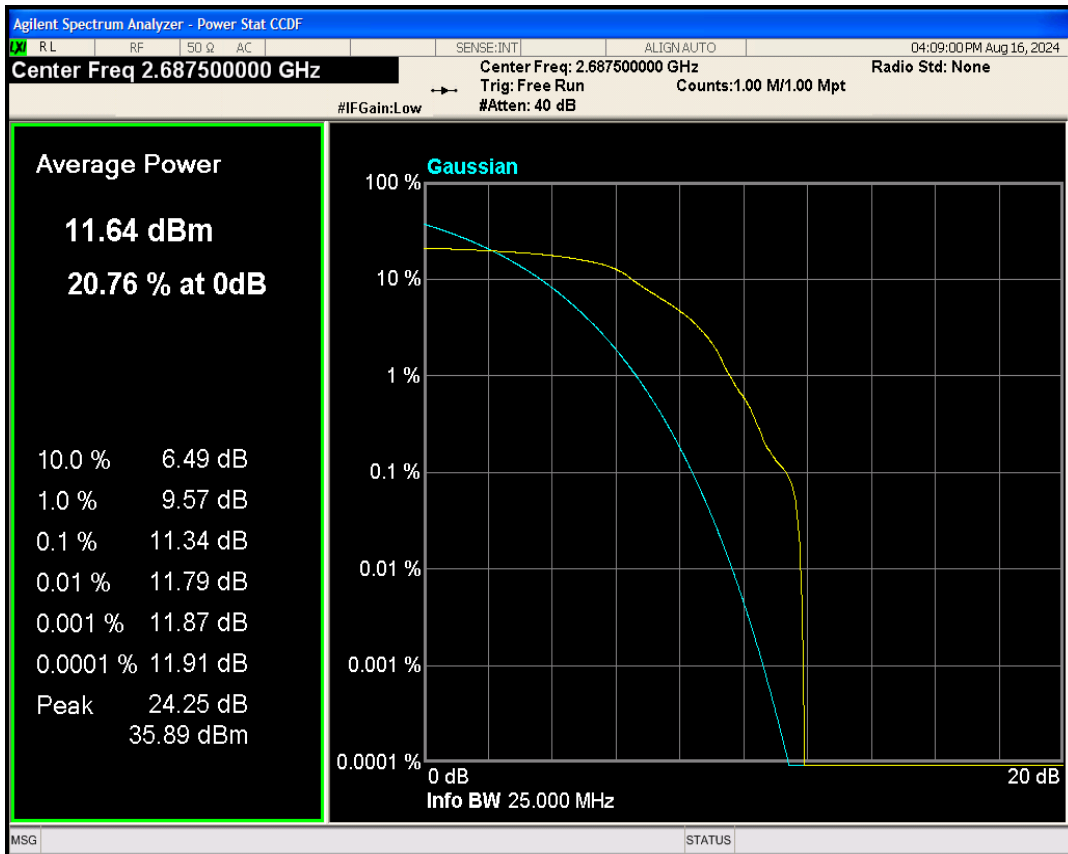
Band41 QPSK BW=5MHz Channel=40620 RB Size=1 Position=#0



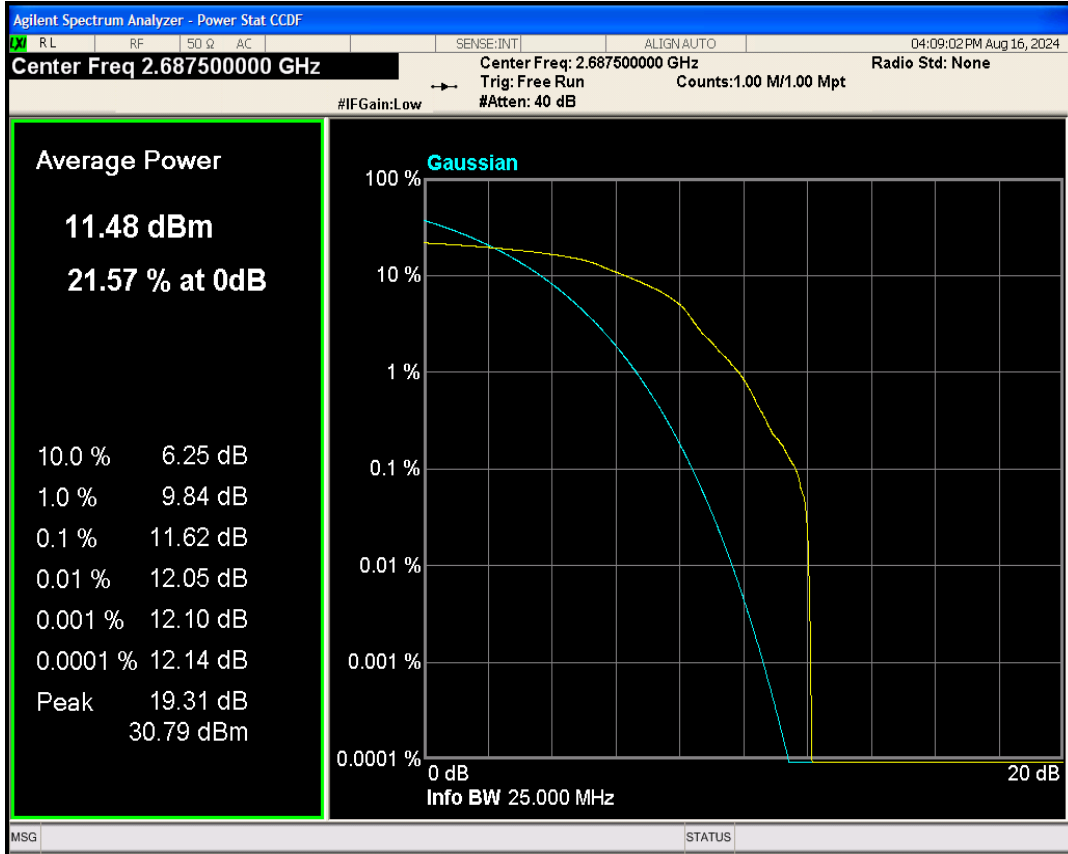
Band41 16QAM BW=5MHz Channel=40620 RB Size=1 Position=#0



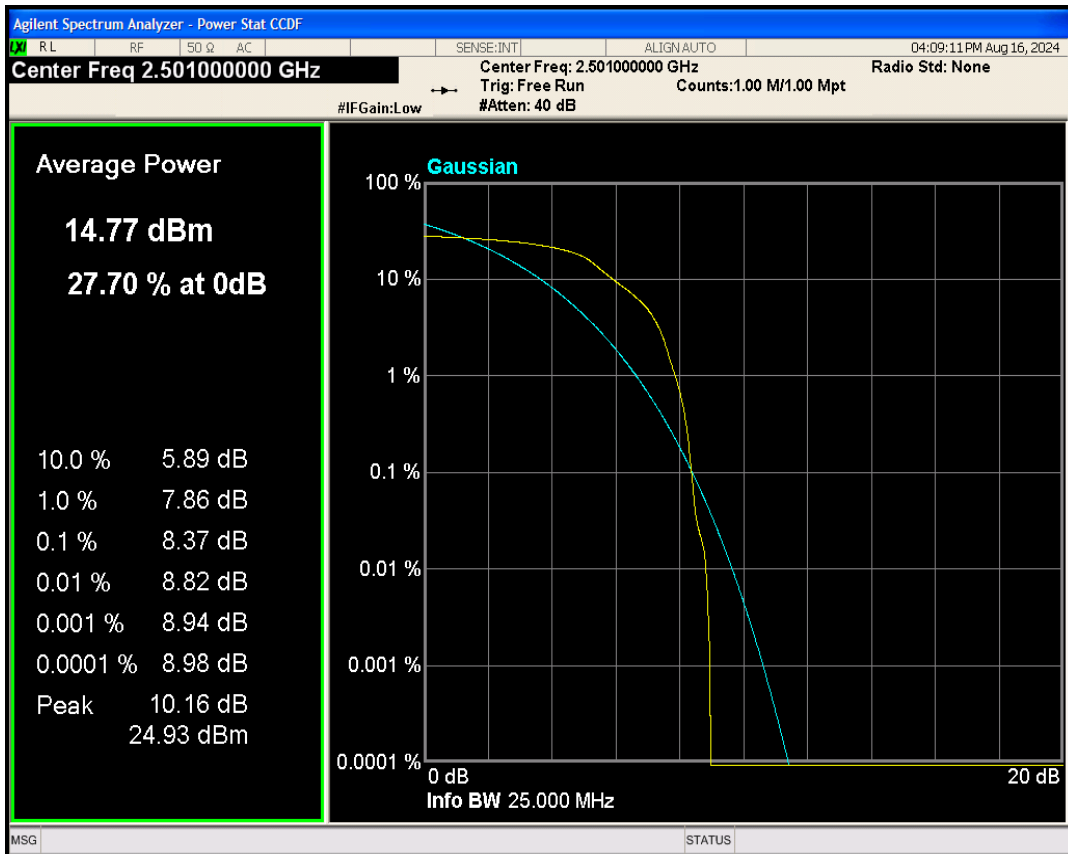
Band41 QPSK BW=5MHz Channel=41565 RB Size=1 Position=#0



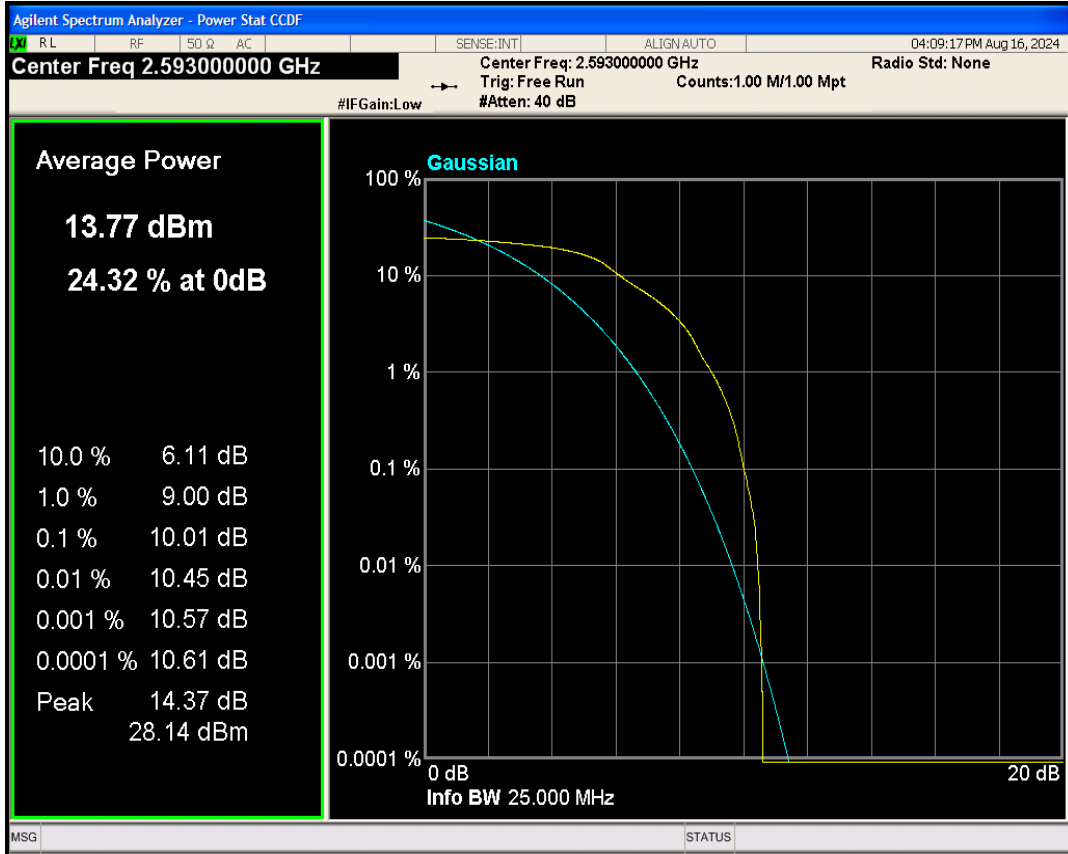
Band41 16QAM BW=5MHz Channel=41565 RB Size=1 Position=#0



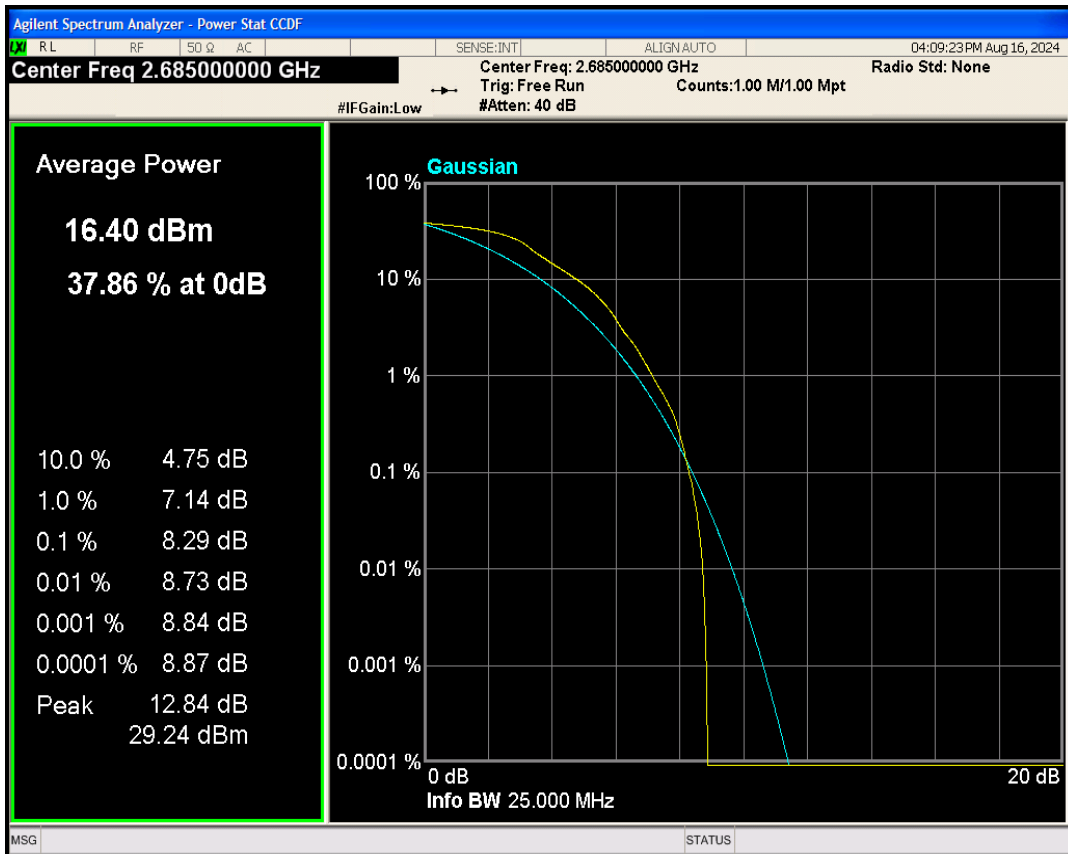
Band41 QPSK BW=10MHz Channel=39700 RB Size=1 Position=#0



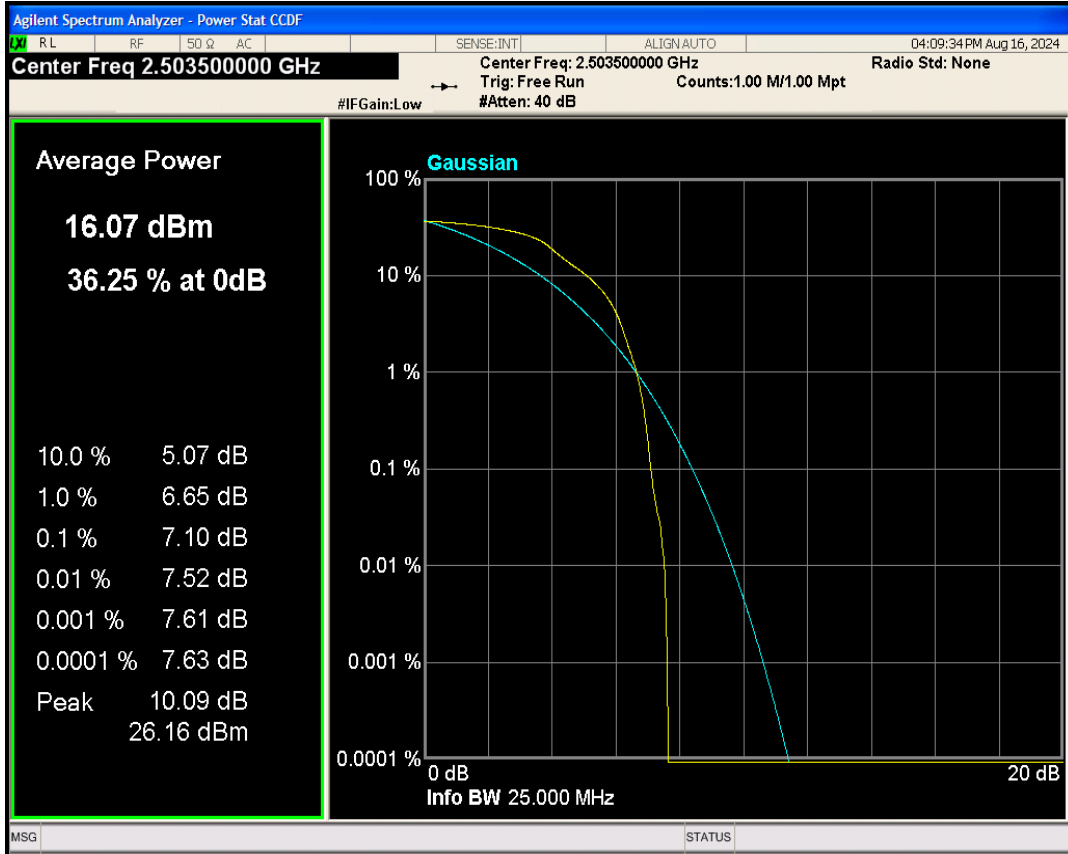
Band41 QPSK BW=10MHz Channel=40620 RB Size=1 Position=#0



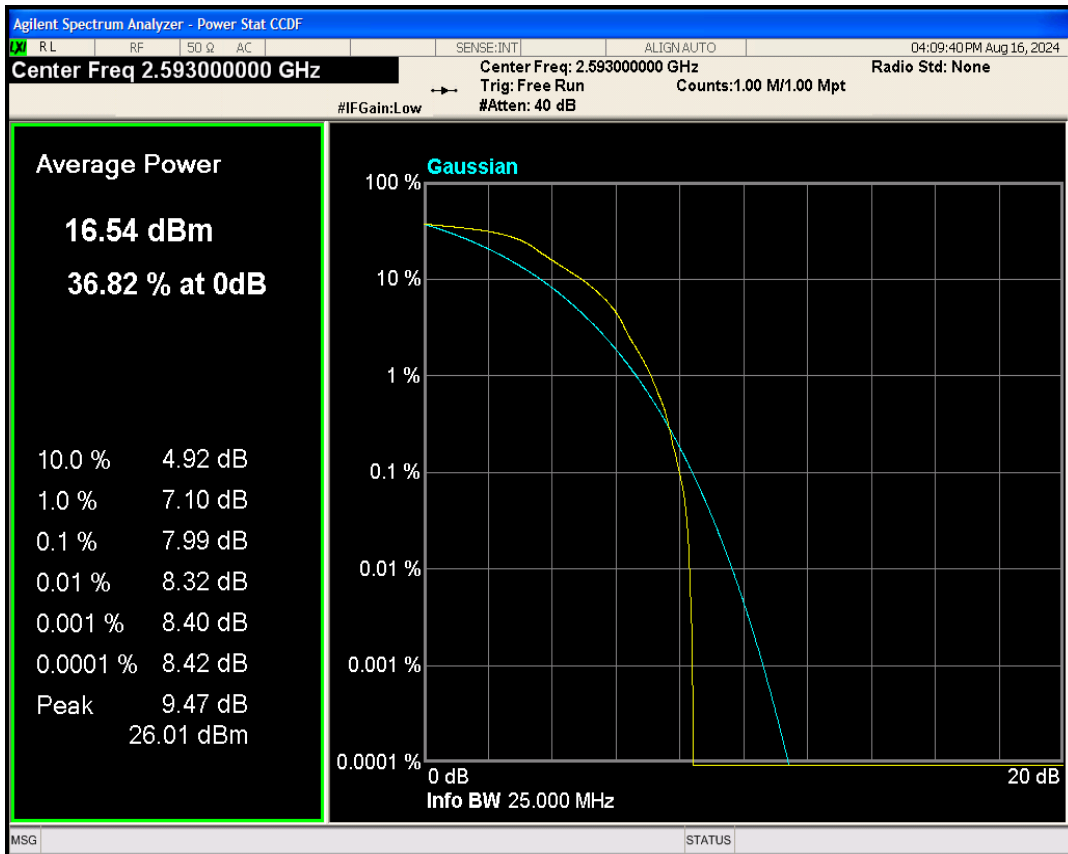
Band41 QPSK BW=10MHz Channel=41540 RB Size=1 Position=#0



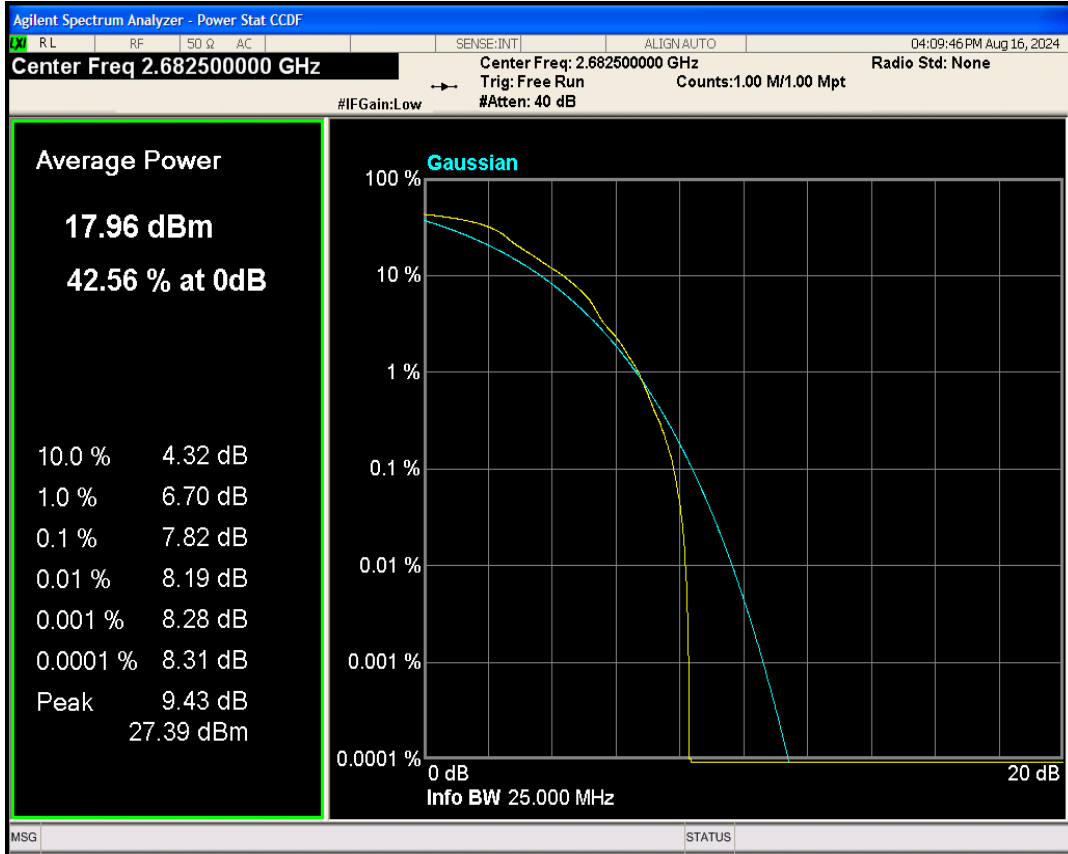
Band41 QPSK BW=15MHz Channel=39725 RB Size=1 Position=#0



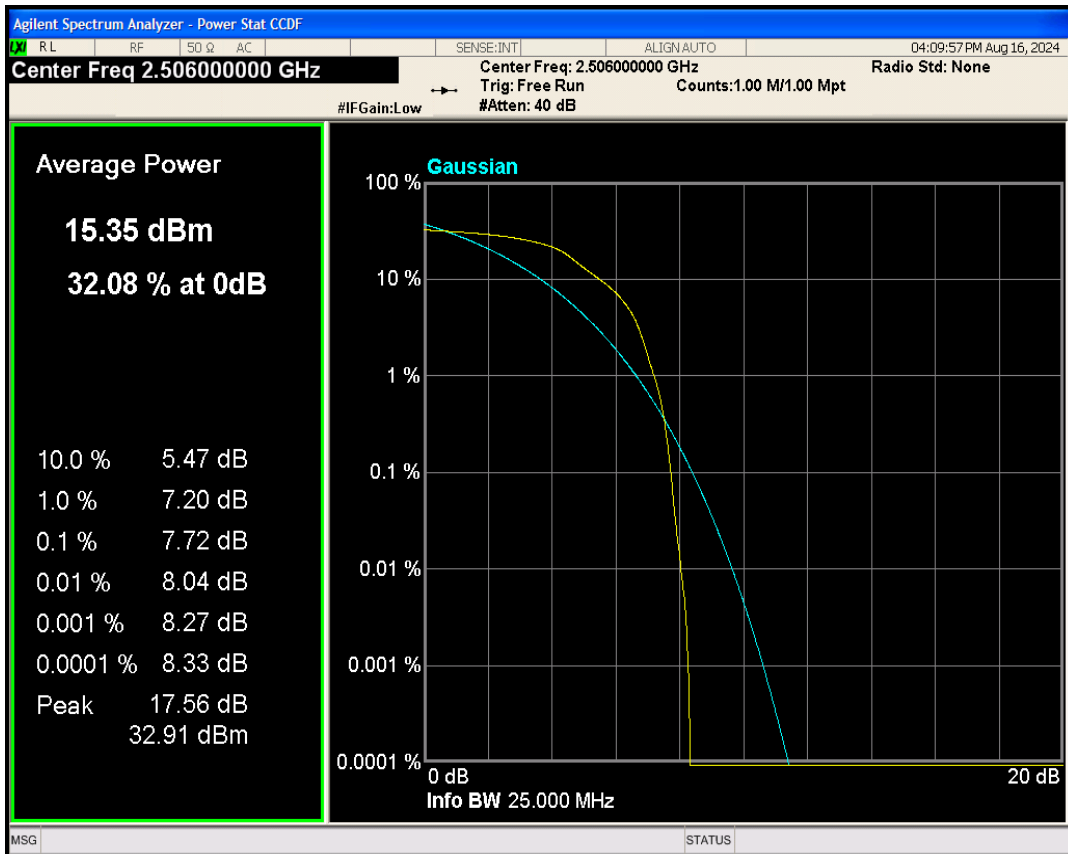
Band41 QPSK BW=15MHz Channel=40620 RB Size=1 Position=#0



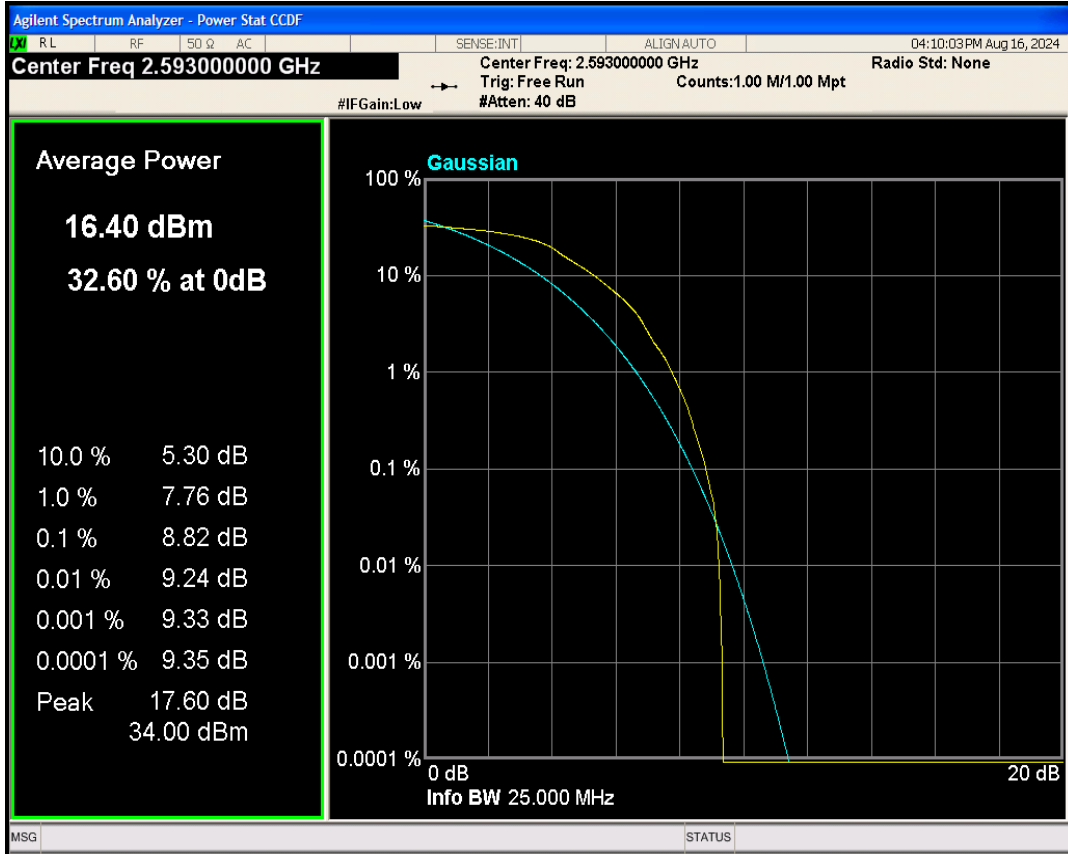
Band41 QPSK BW=15MHz Channel=41515 RB Size=1 Position=#0



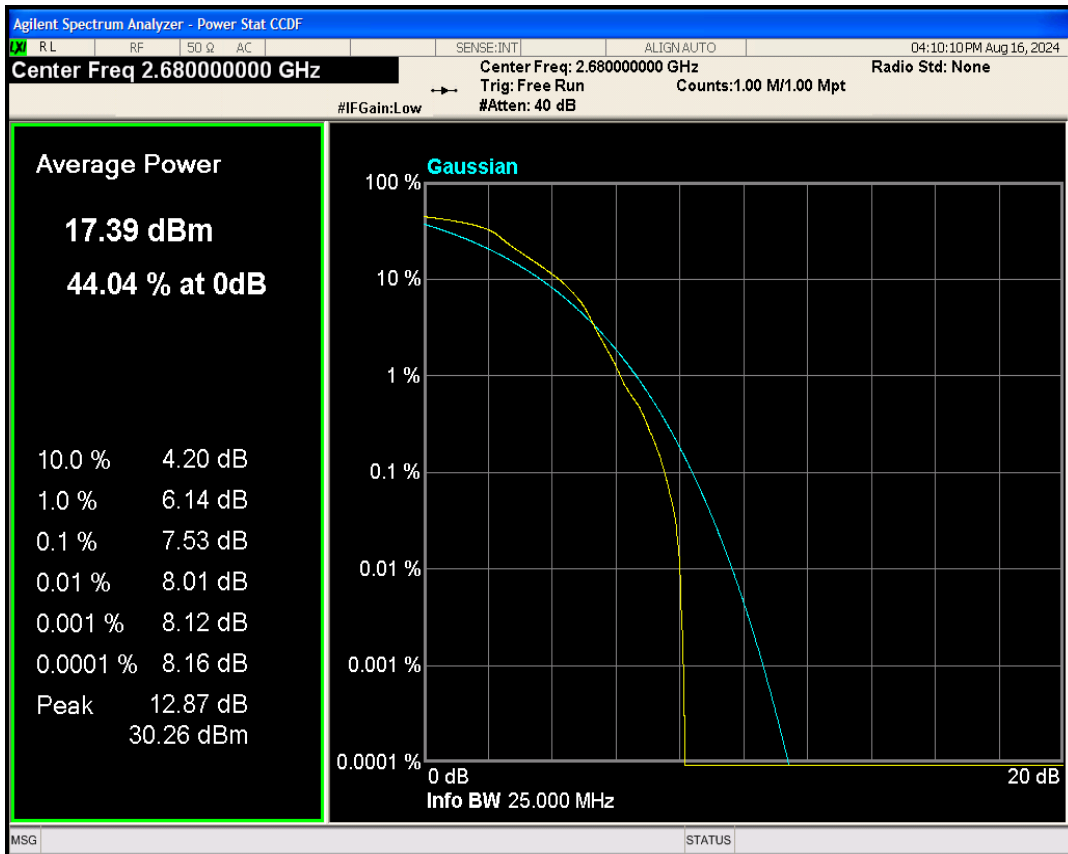
Band41 QPSK BW=20MHz Channel=39750 RB Size=1 Position=#0



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



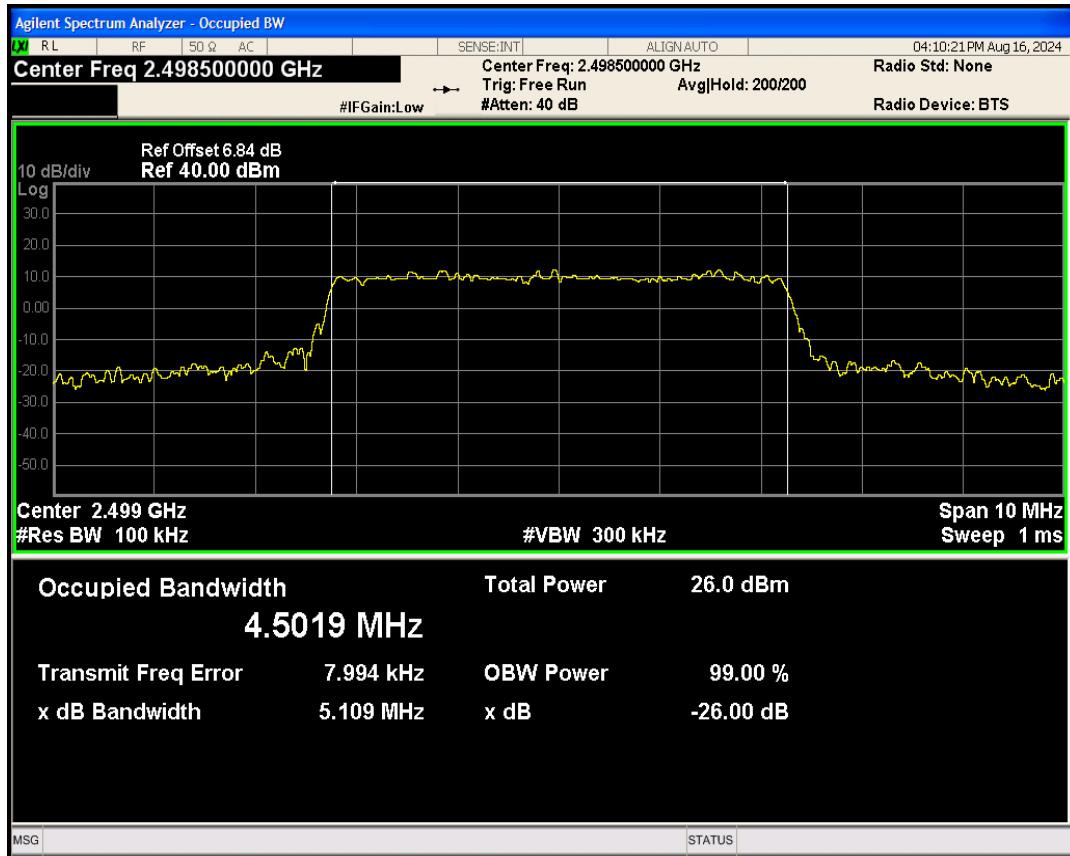
Band41 QPSK BW=20MHz Channel=41490 RB Size=1 Position=#0



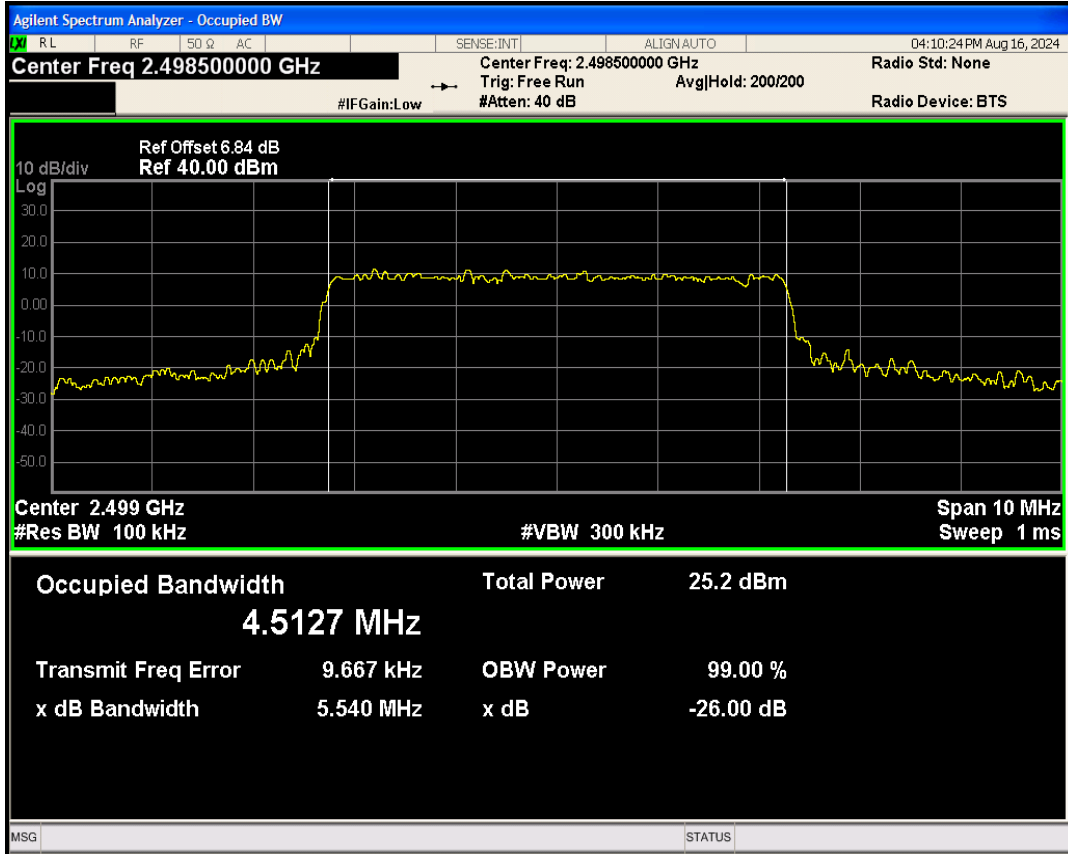
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band41	5	39675	25	#0	QPSK	4.502	5.109	PASS
Band41	5	39675	25	#0	16QAM	4.513	5.540	PASS
Band41	5	40620	25	#0	QPSK	4.506	4.985	PASS
Band41	5	40620	25	#0	16QAM	4.550	5.053	PASS
Band41	5	41565	25	#0	QPSK	4.502	5.180	PASS
Band41	5	41565	25	#0	16QAM	4.514	4.949	PASS
Band41	10	39700	50	#0	QPSK	9.013	10.189	PASS
Band41	10	40620	50	#0	QPSK	9.015	9.925	PASS
Band41	10	41540	50	#0	QPSK	9.030	10.097	PASS
Band41	15	39725	75	#0	QPSK	13.551	15.051	PASS
Band41	15	40620	75	#0	QPSK	13.505	15.018	PASS
Band41	15	41515	75	#0	QPSK	13.444	14.964	PASS
Band41	20	39750	100	#0	QPSK	17.985	19.789	PASS
Band41	20	40620	100	#0	QPSK	18.004	20.028	PASS
Band41	20	41490	100	#0	QPSK	17.854	19.392	PASS

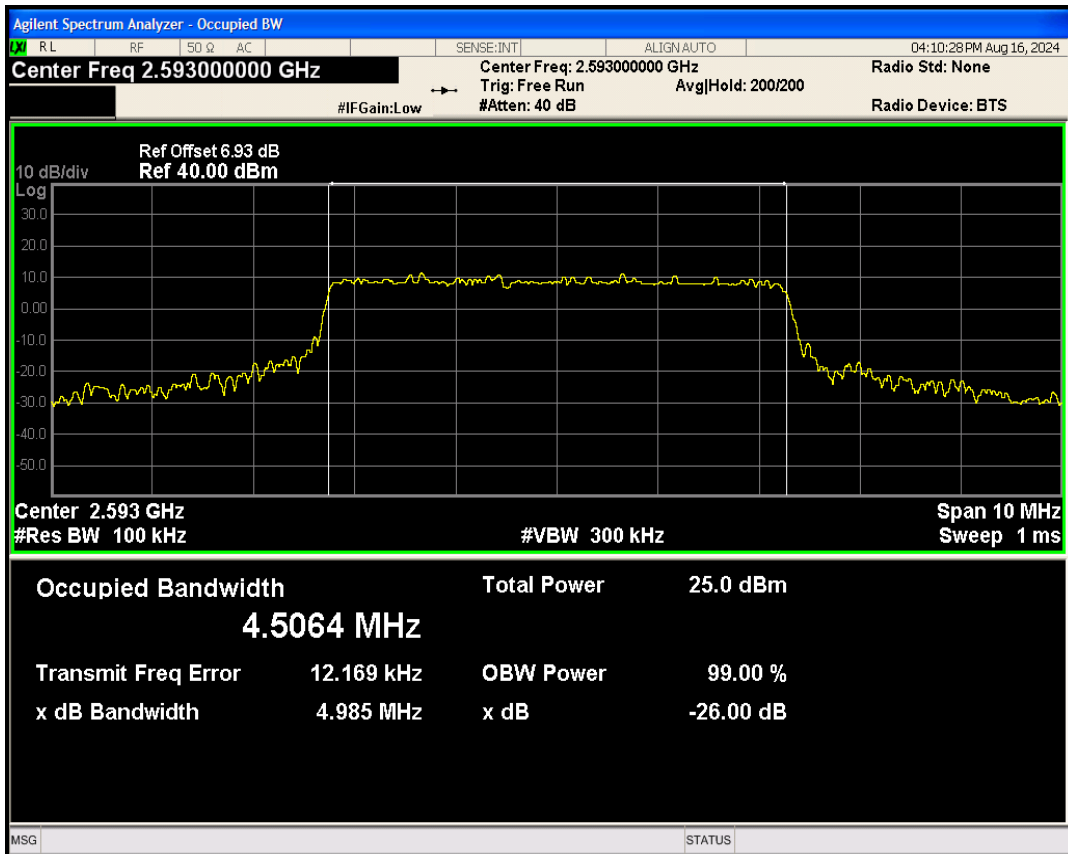
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0



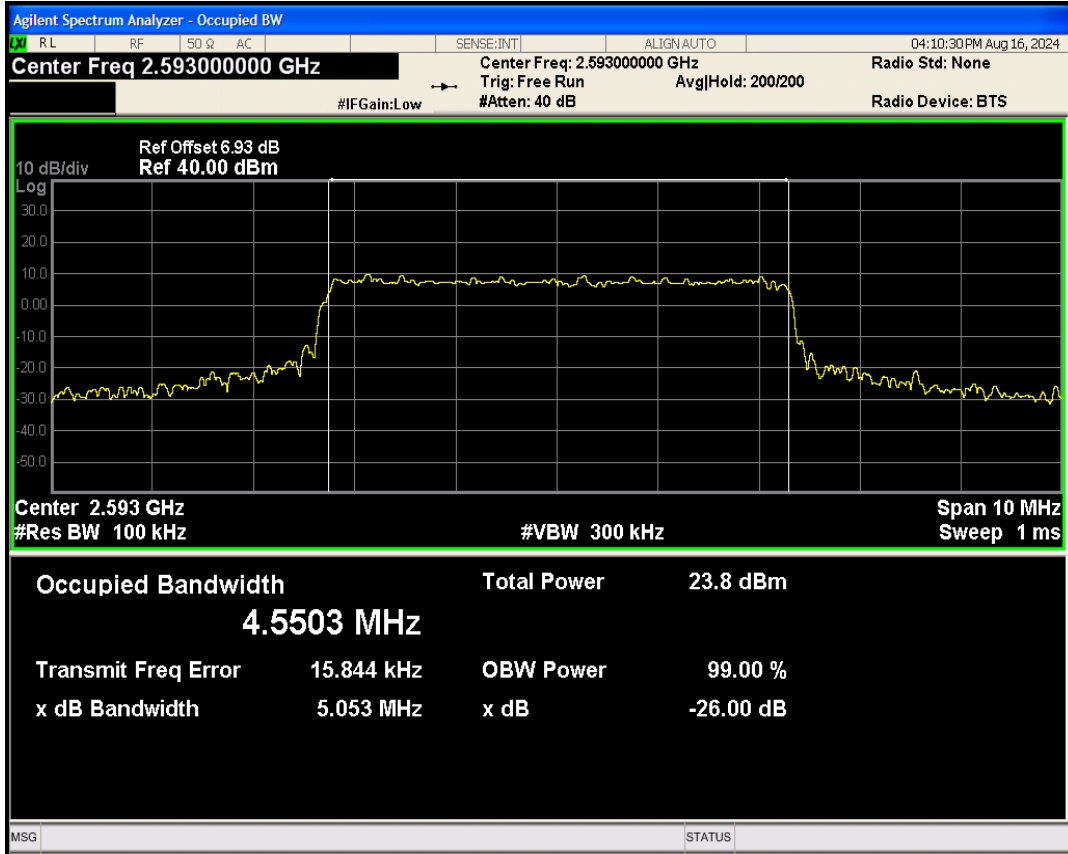
Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0



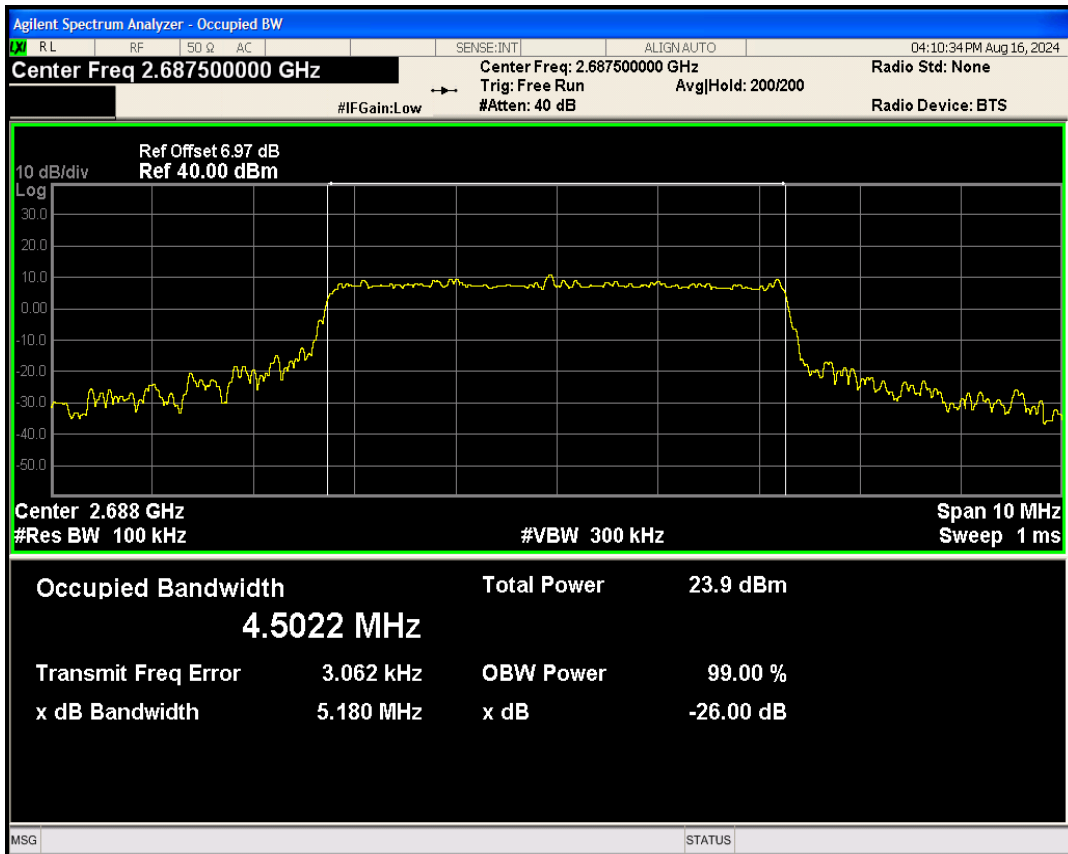
Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0



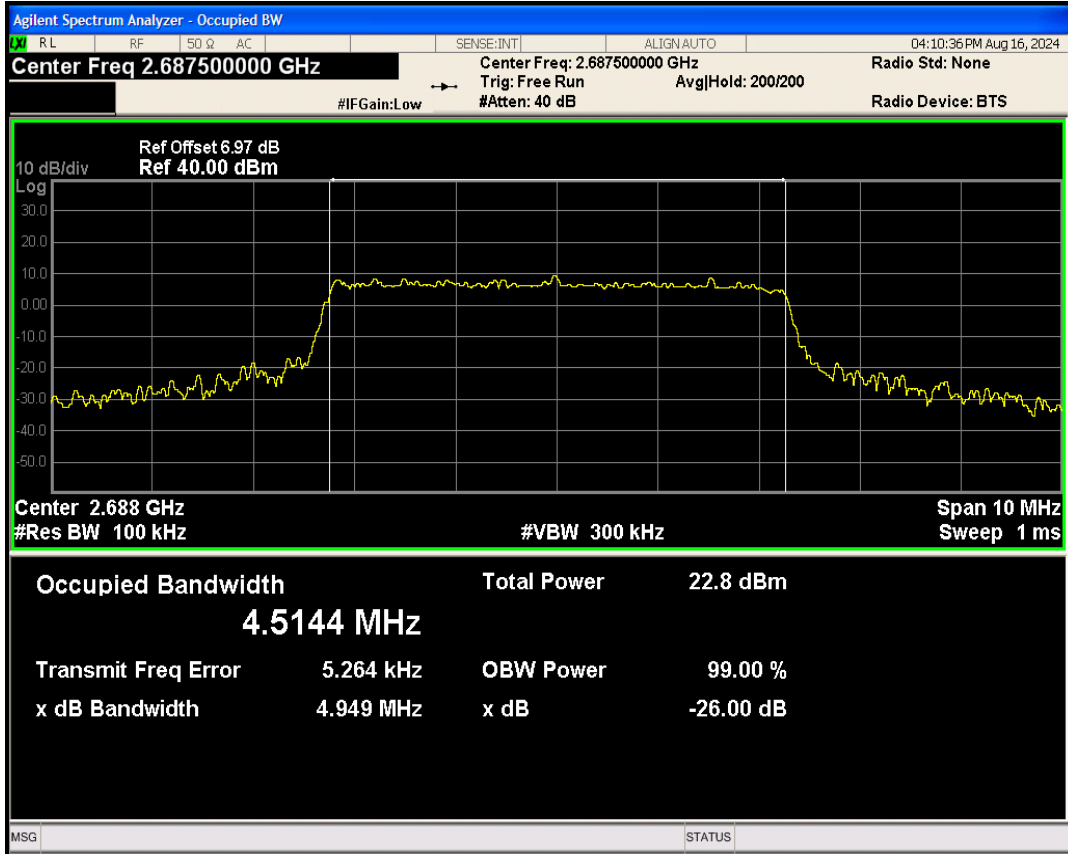
Band41 16QAM BW=5MHz Channel=40620 RB Size=25 Position=#0



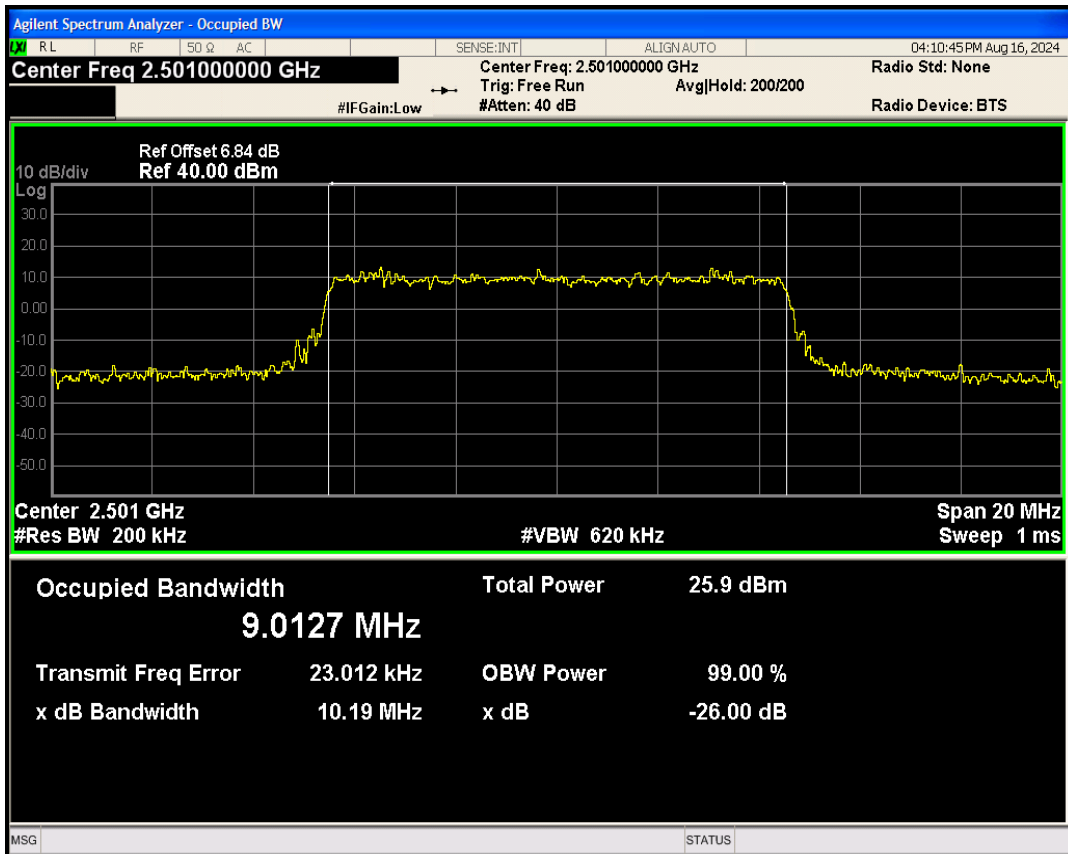
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



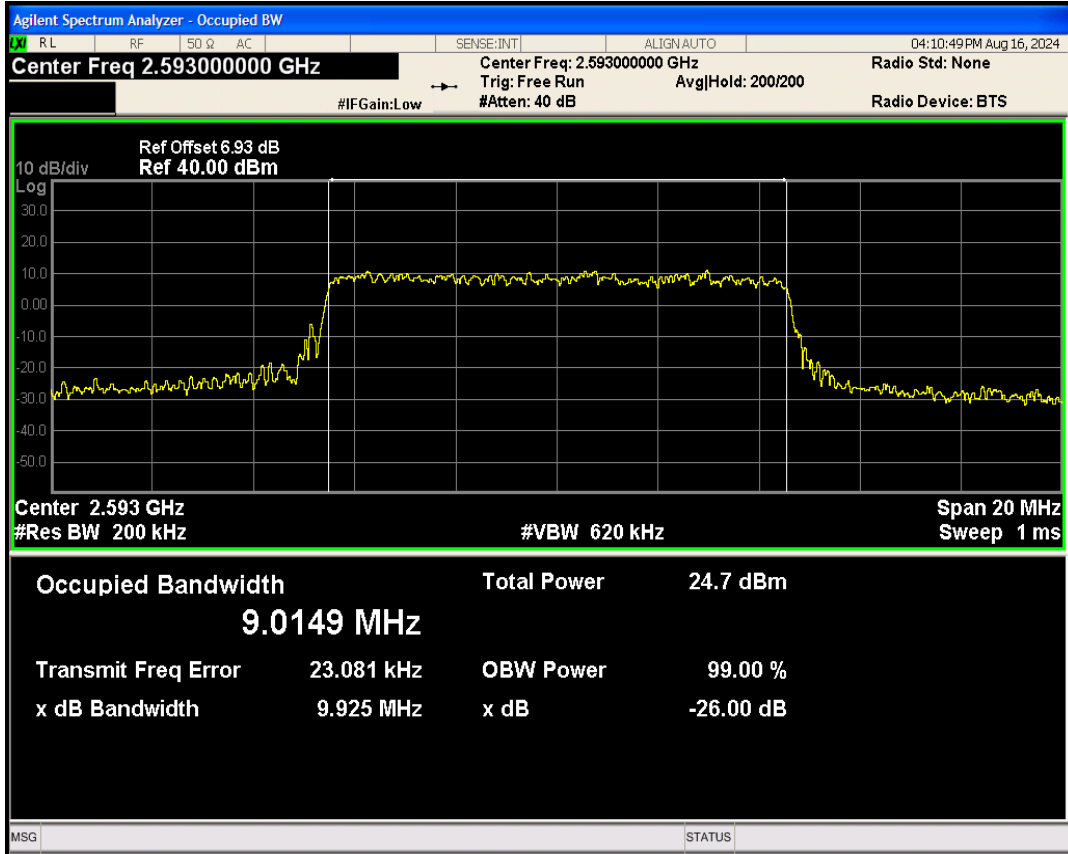
Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0



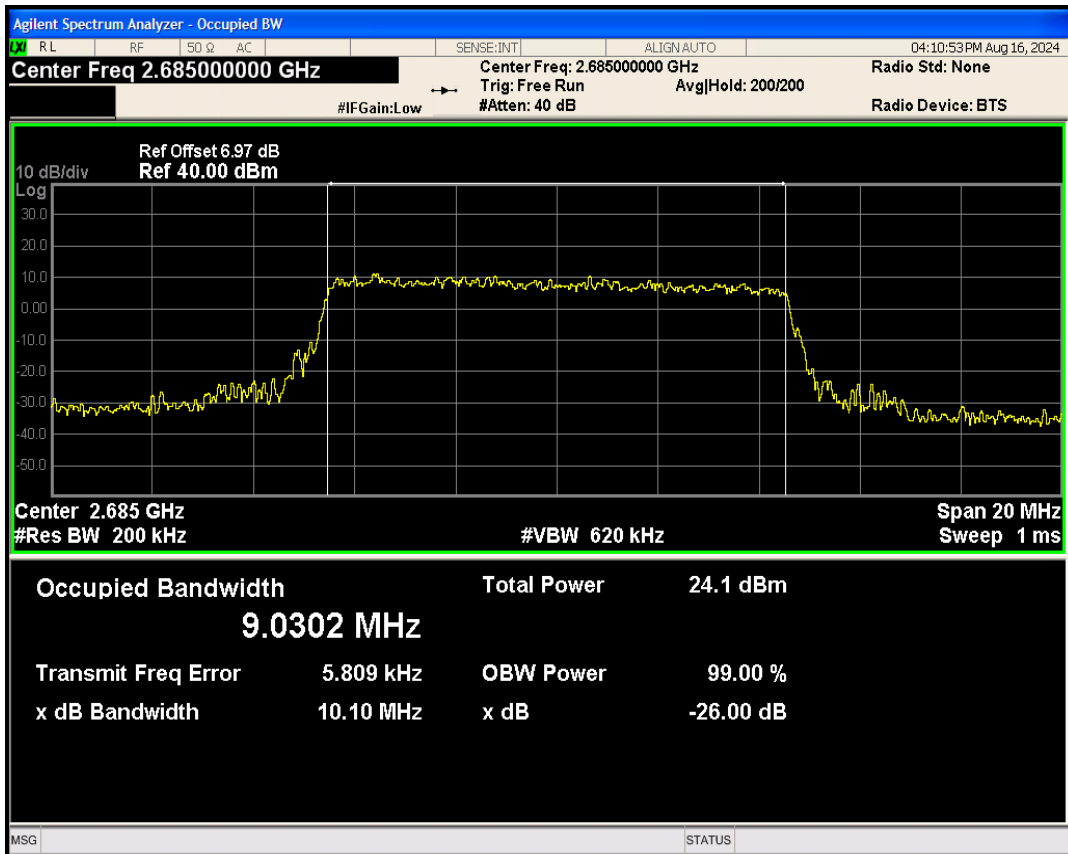
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



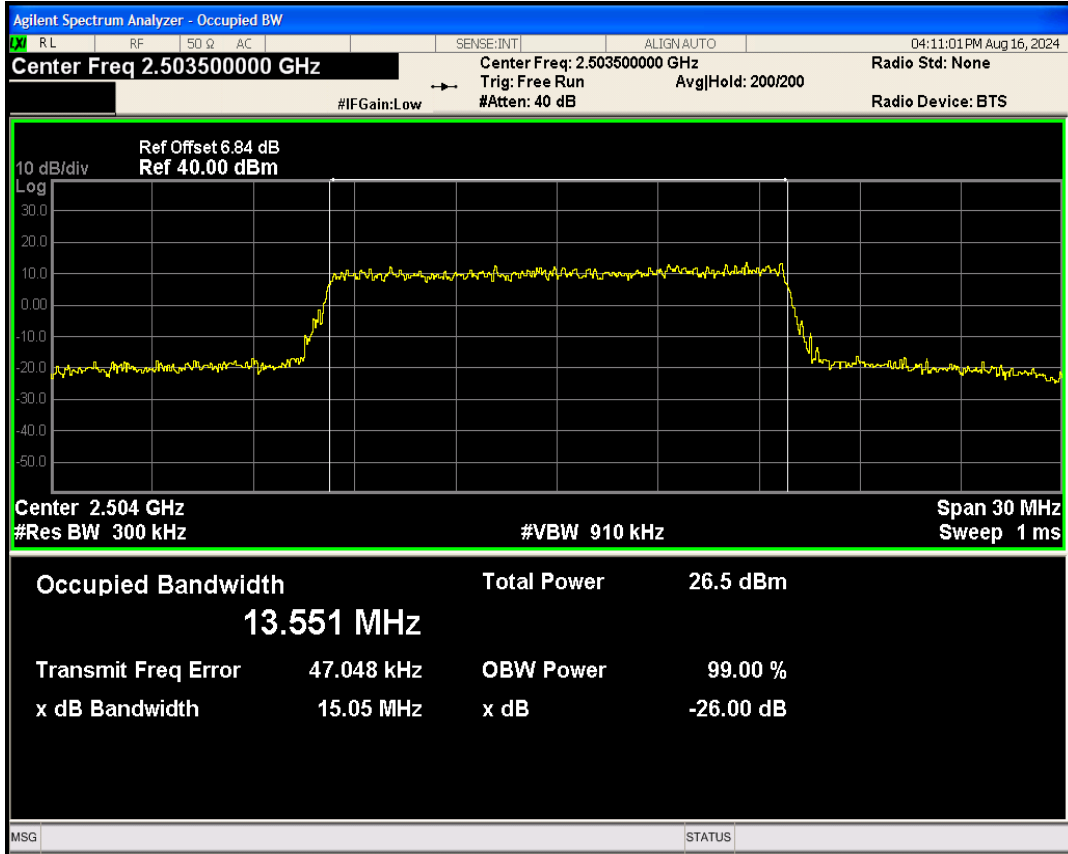
Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0



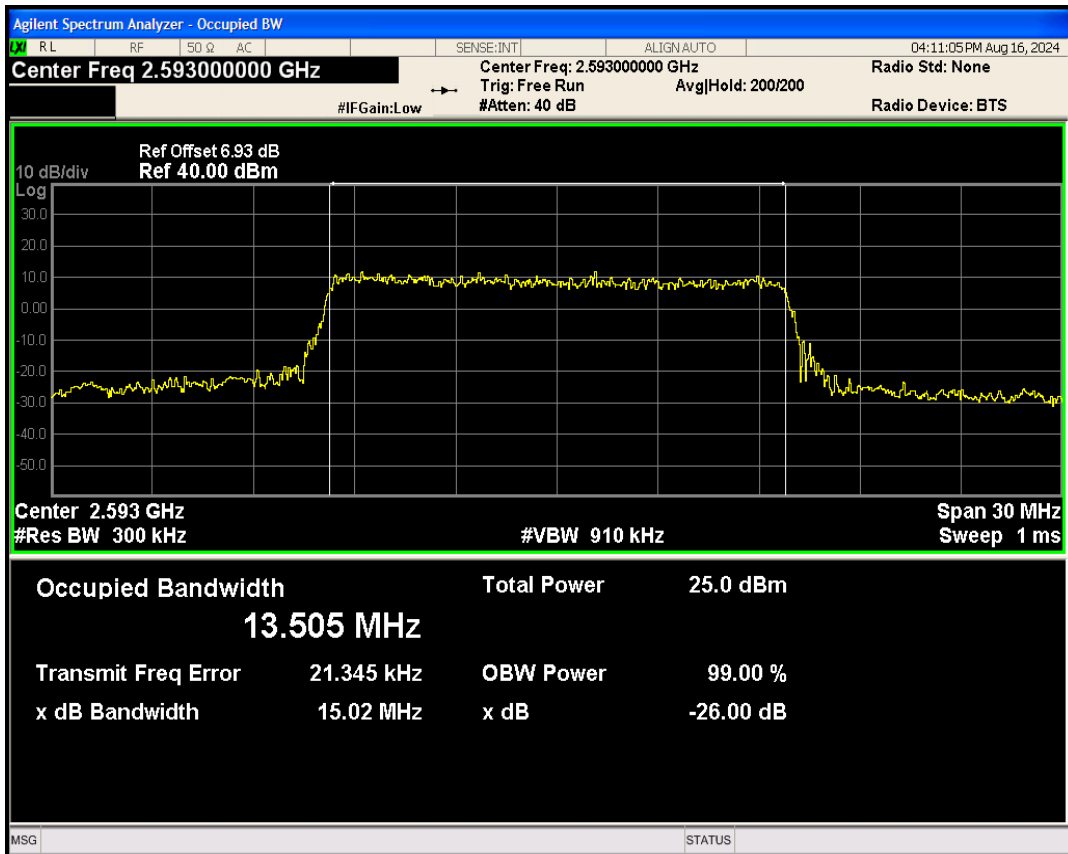
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



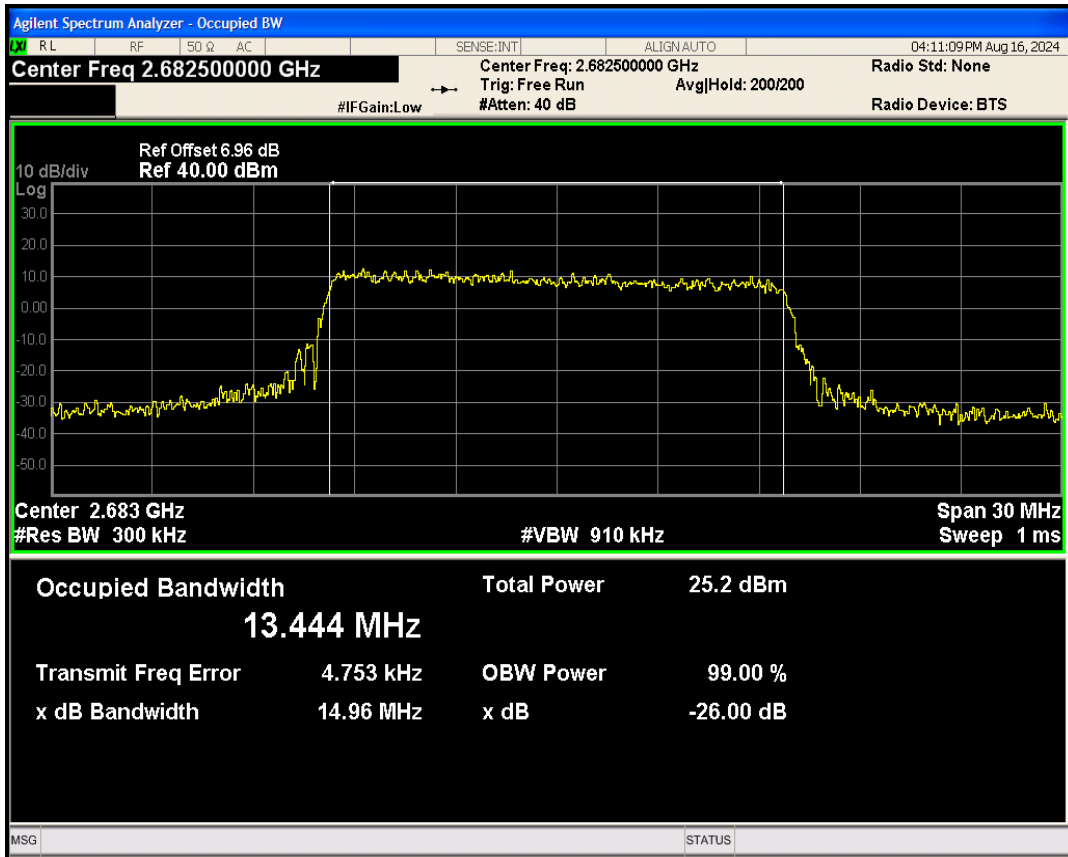
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



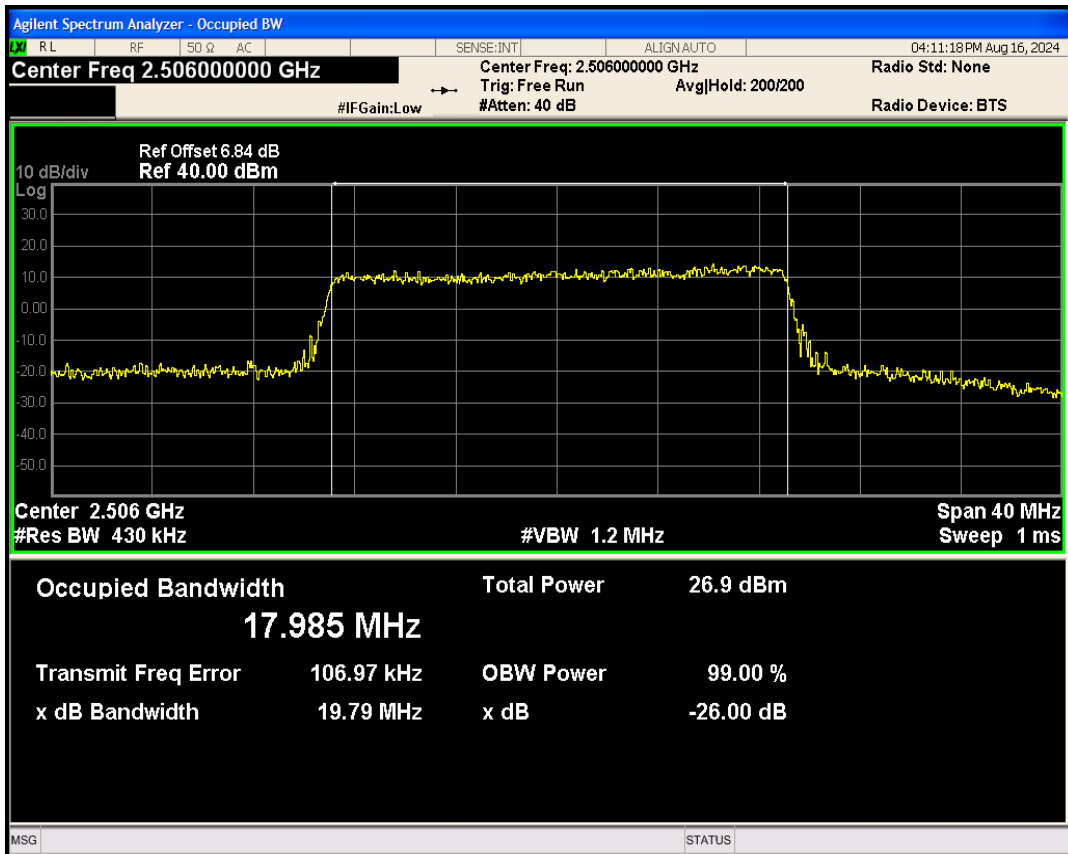
Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0



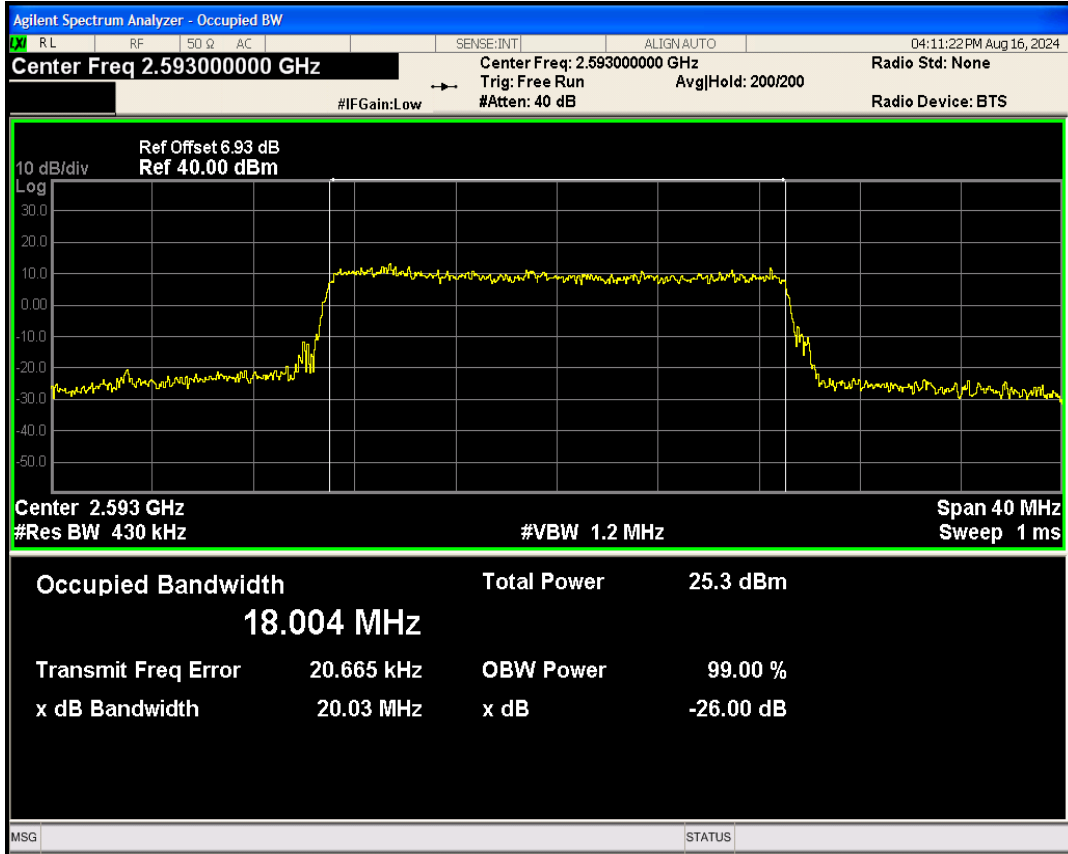
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



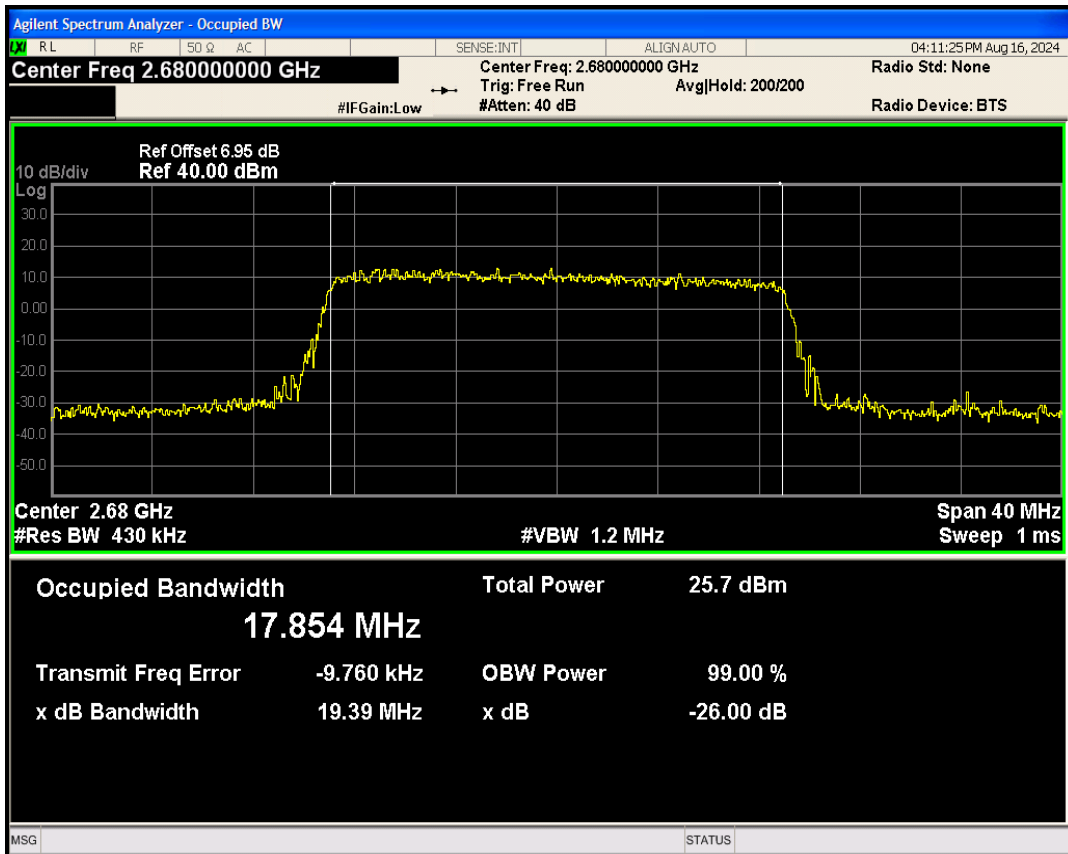
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



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



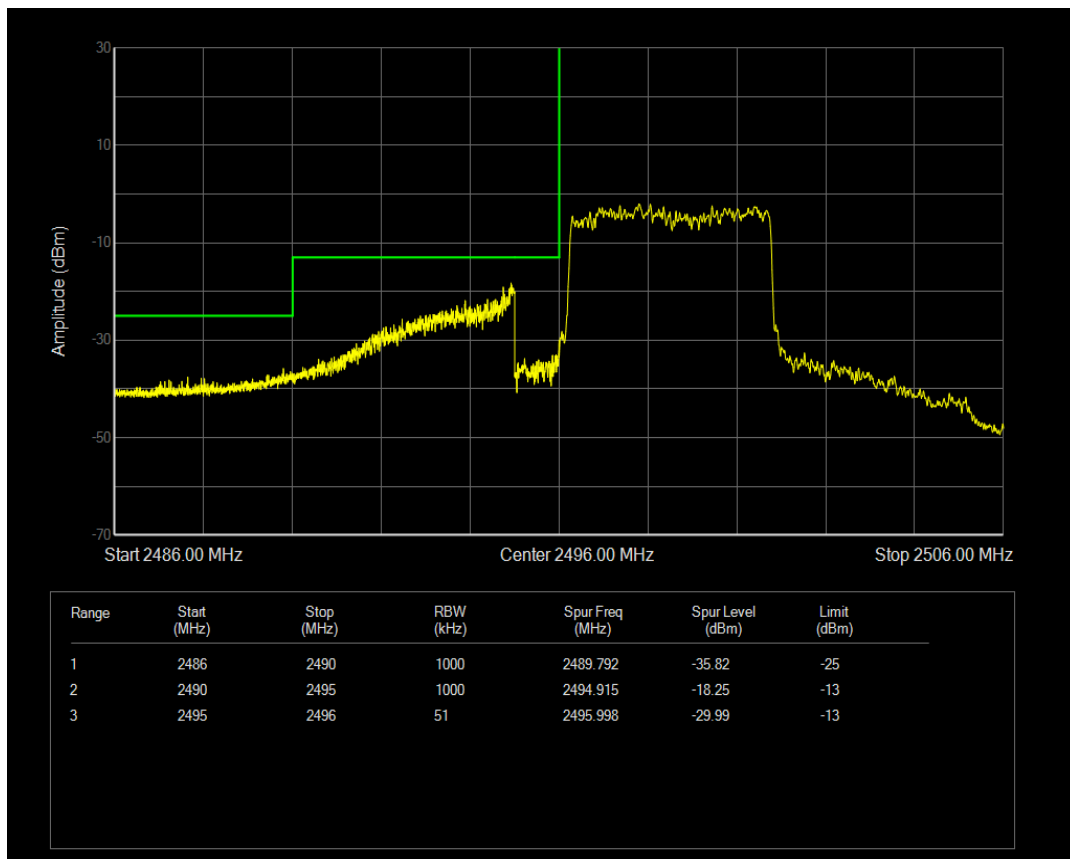
Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0



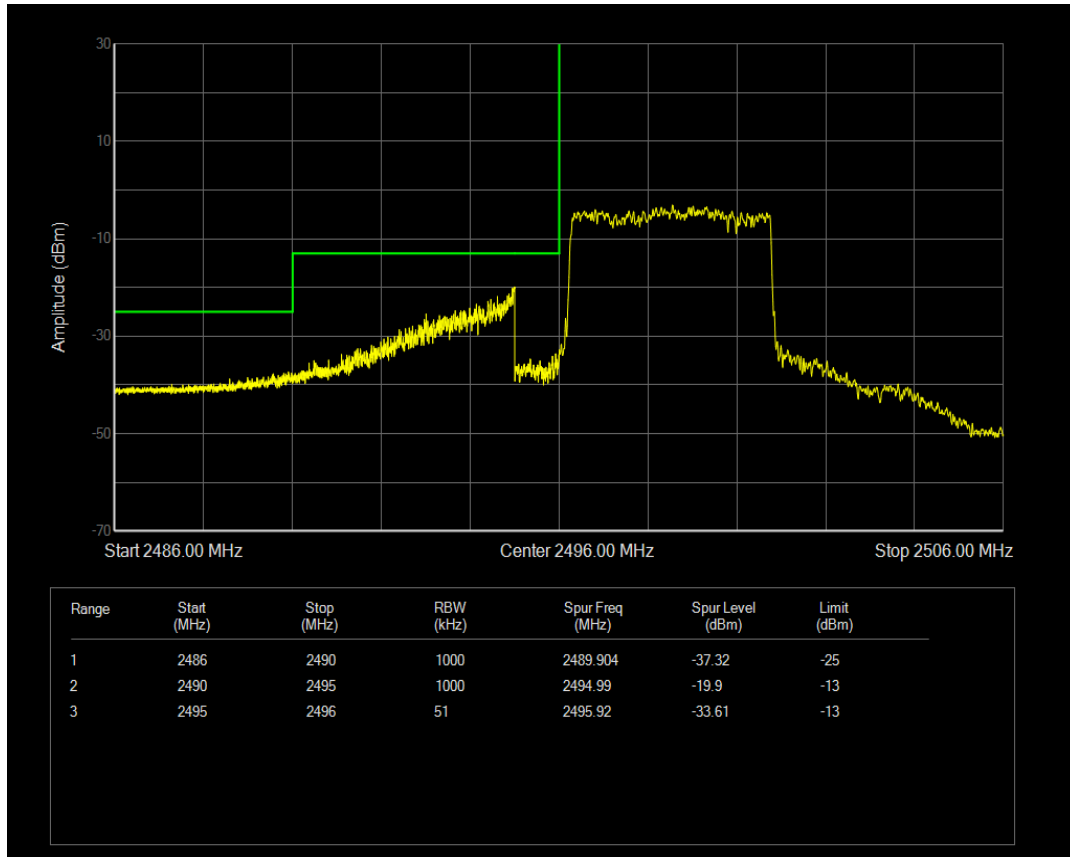
Appendix 5. Band edge

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	2494.92	-18.25	-13	PASS
Band41	5	39675	25	#0	16QAM	2494.99	-19.90	-13	PASS
Band41	5	41565	25	#0	QPSK	2696.15	-39.63	-25	PASS
Band41	5	41565	25	#0	16QAM	2691.04	-23.94	-10	PASS
Band41	10	39700	50	#0	QPSK	2485.91	-34.84	-25	PASS
Band41	10	41540	50	#0	QPSK	2700.28	-39.37	-25	PASS
Band41	15	39725	75	#0	QPSK	2494.87	-23.72	-13	PASS
Band41	15	41515	75	#0	QPSK	2705.51	-39.41	-25	PASS
Band41	20	39750	100	#0	QPSK	2475.94	-38.75	-25	PASS
Band41	20	41490	100	#0	QPSK	2710.17	-39.97	-25	PASS

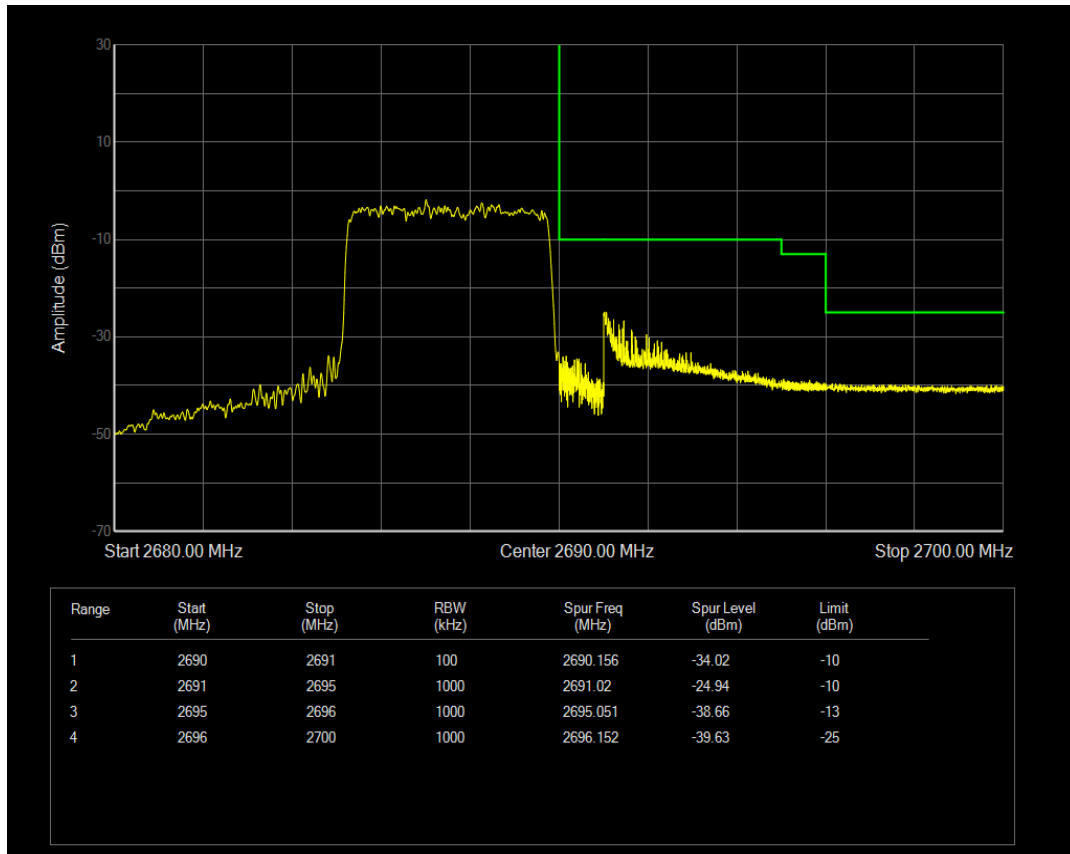
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0



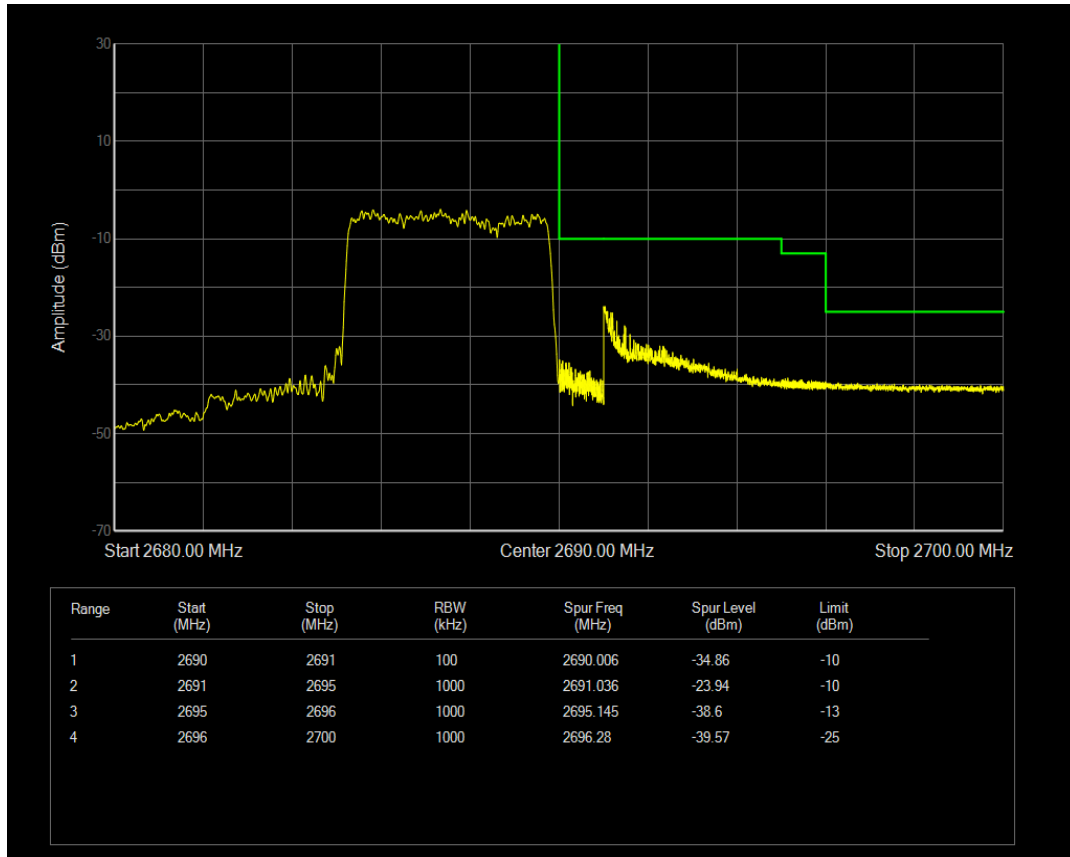
Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0



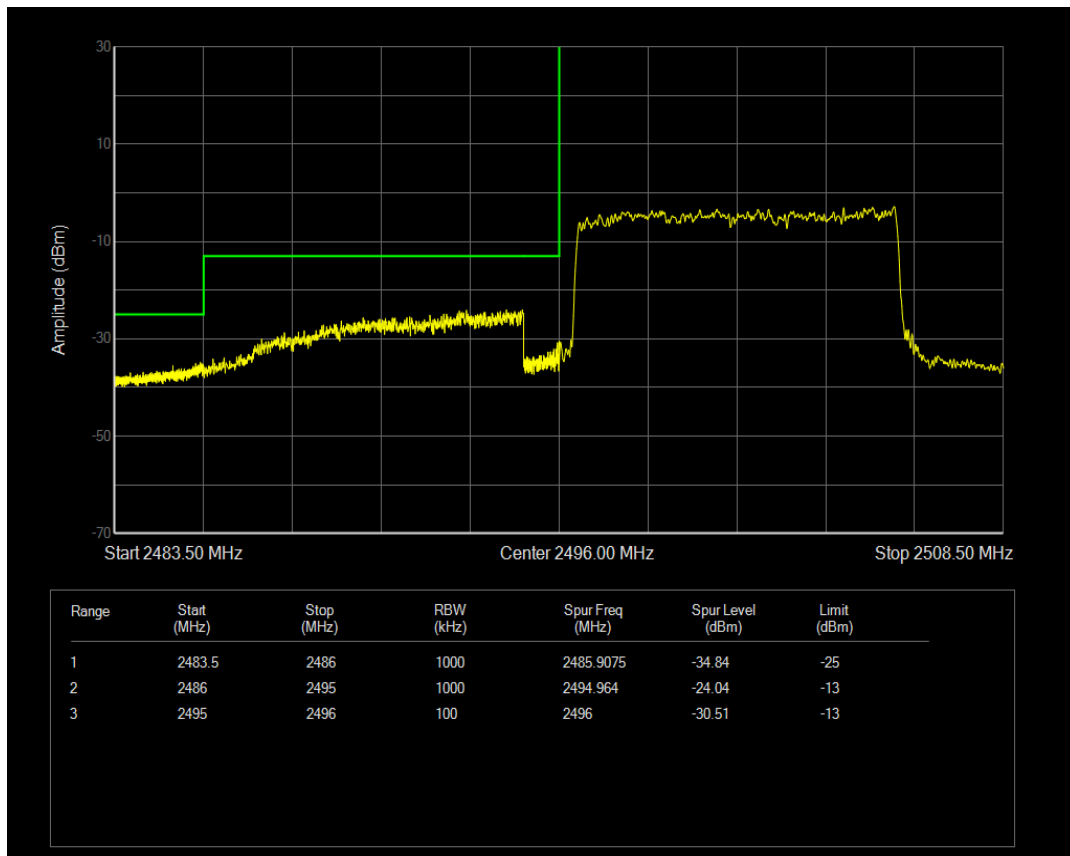
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



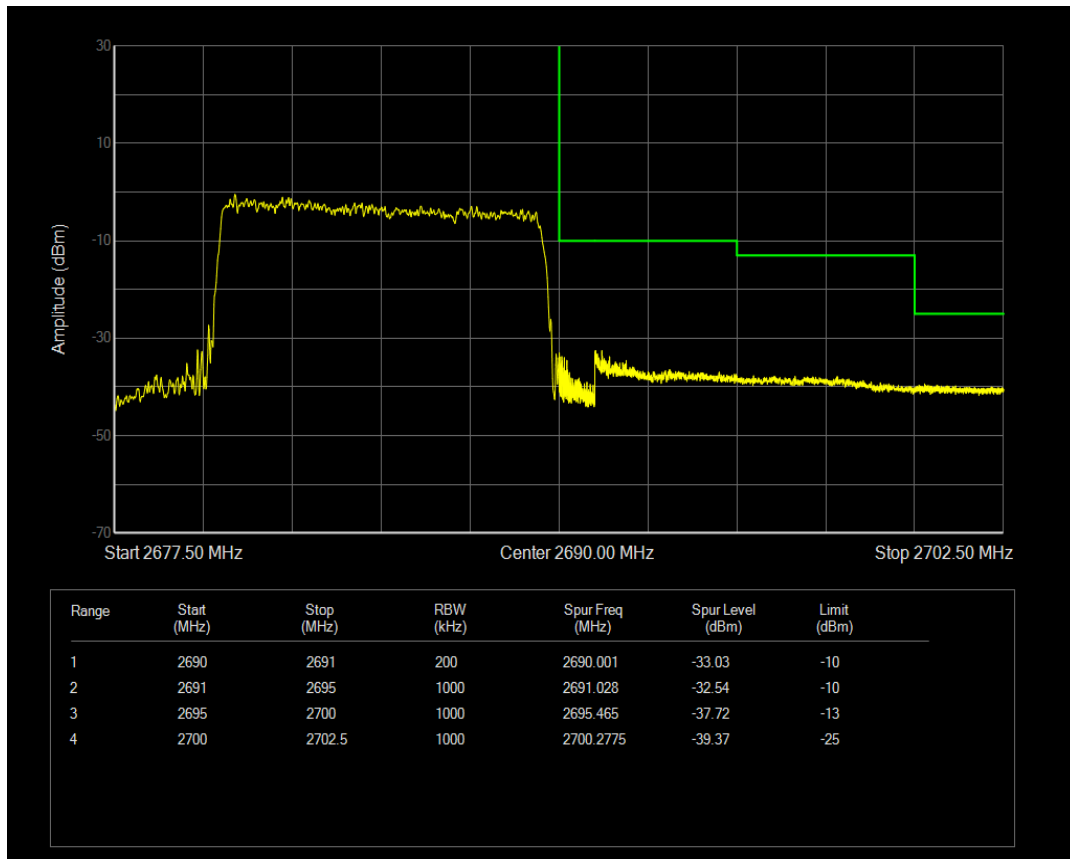
Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0



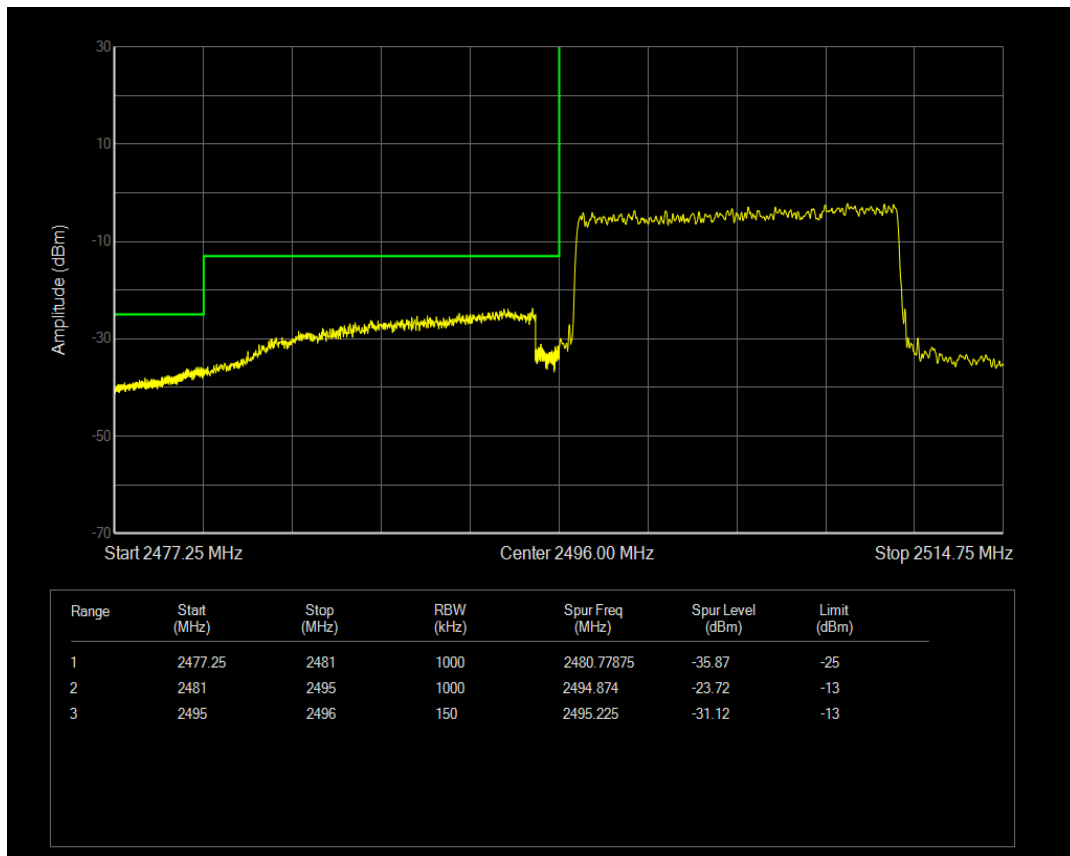
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



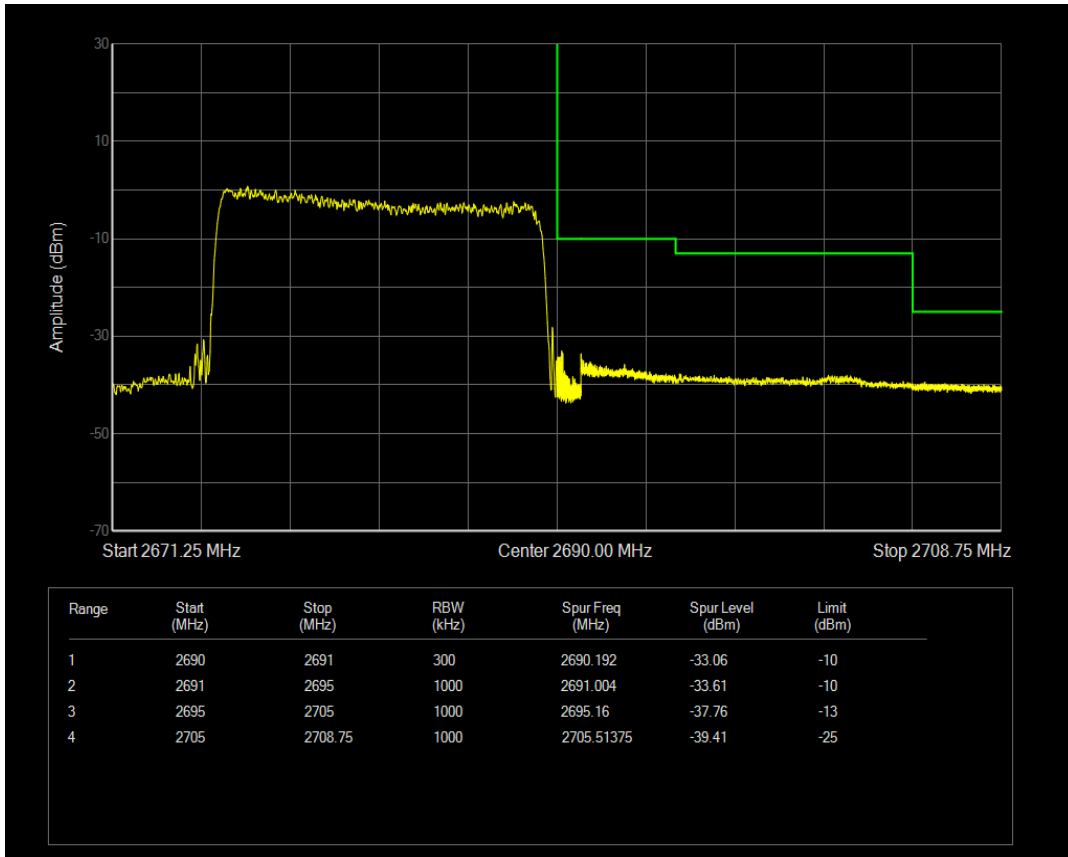
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



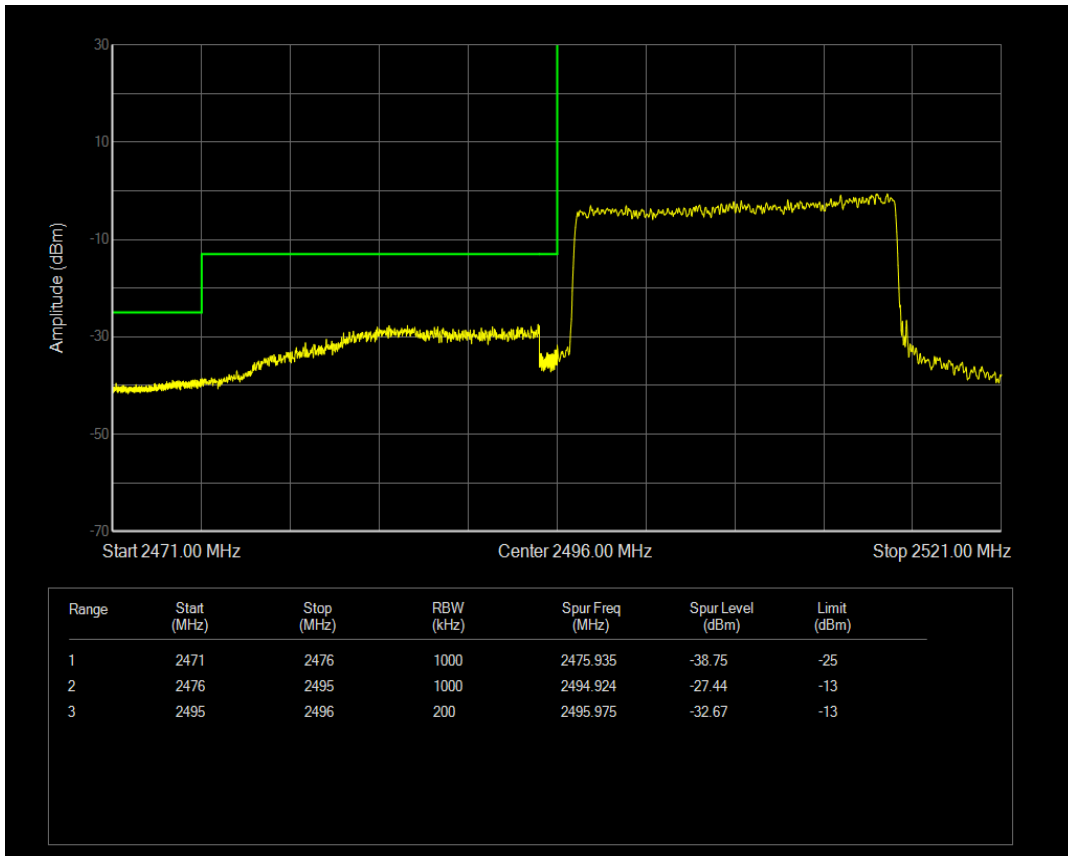
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



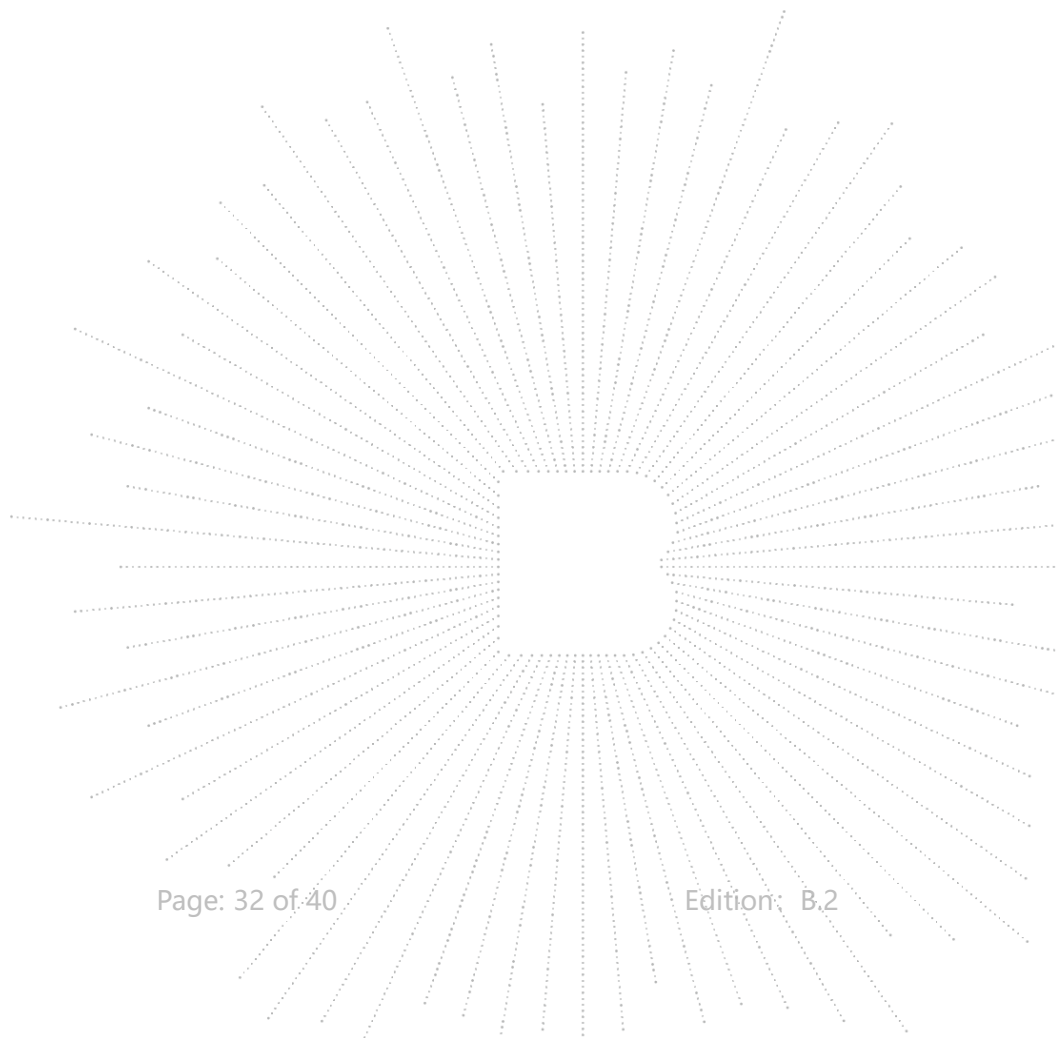
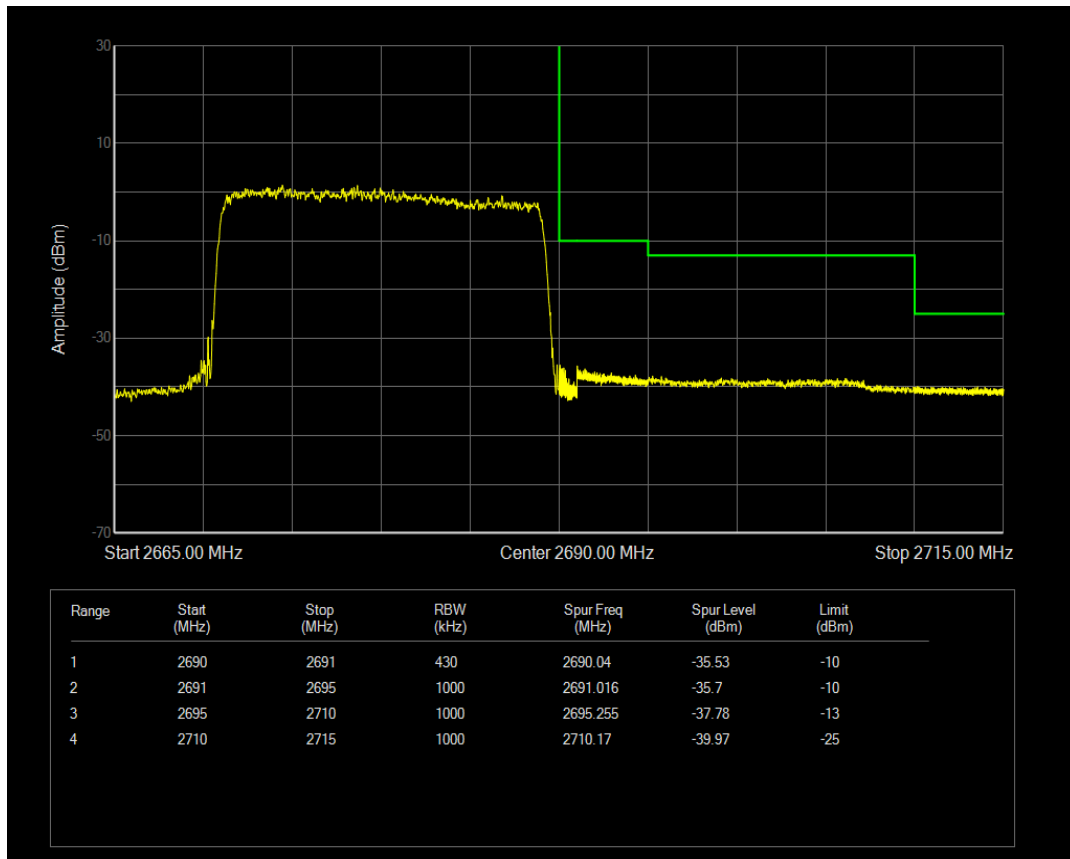
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



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



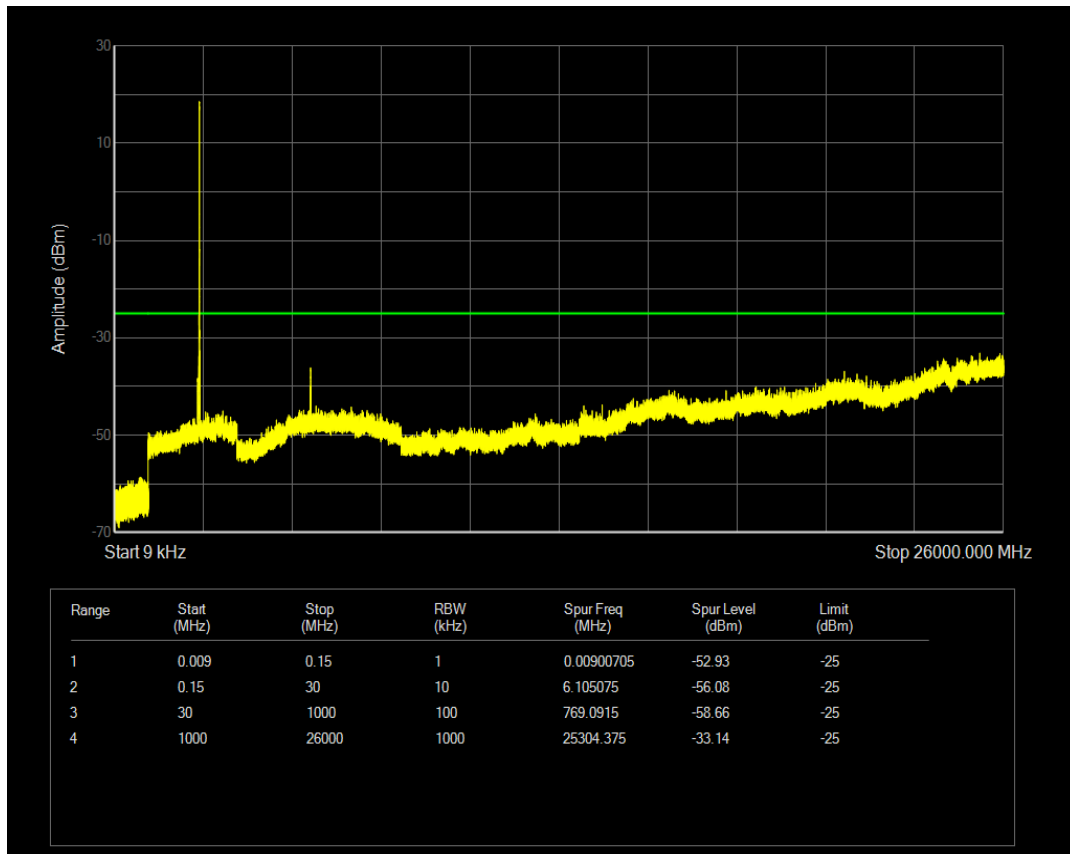
Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0



Appendix 6. Out-of-band emissions

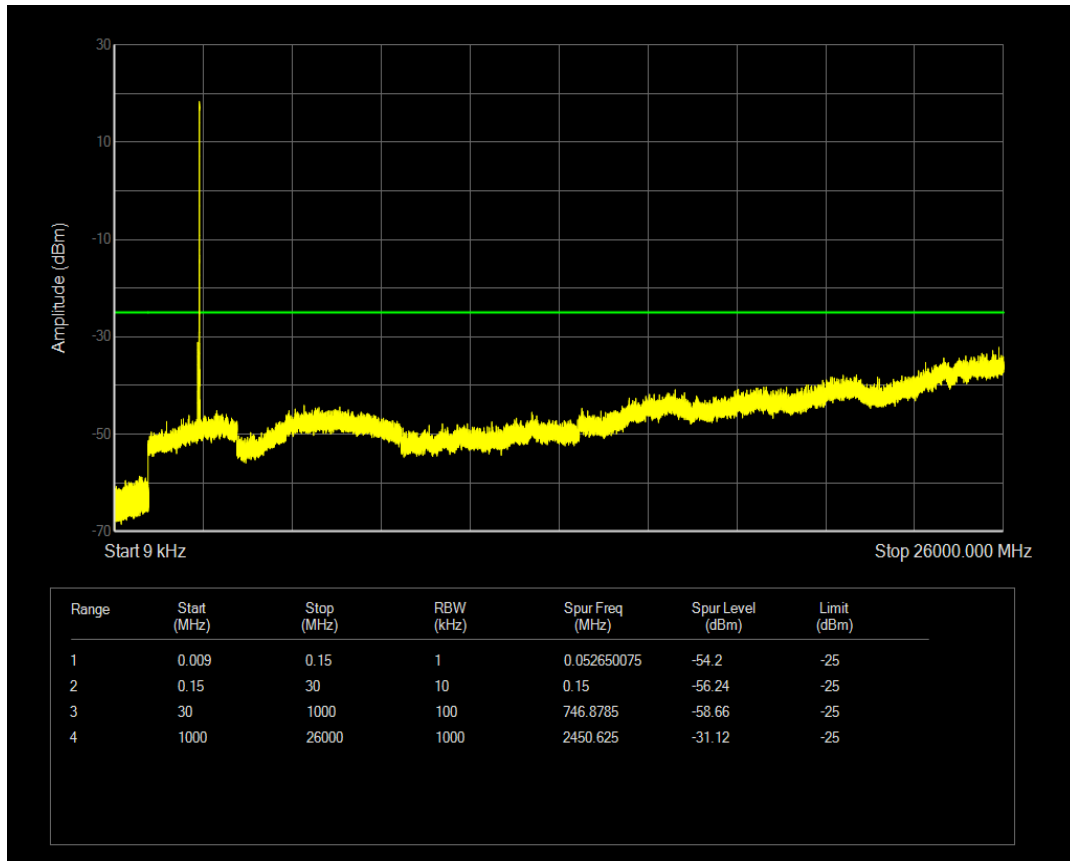
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41	5	39675	25	#0	QPSK	25304.38	-33.14	-25	PASS
Band41	5	39675	25	#0	16QAM	2450.63	-31.12	-25	PASS
Band41	5	40620	25	#0	QPSK	2450.00	-29.74	-25	PASS
Band41	5	40620	25	#0	16QAM	2450.00	-27.97	-25	PASS
Band41	5	41565	25	#0	QPSK	2450.00	-30.28	-25	PASS
Band41	5	41565	25	#0	16QAM	2450.00	-28.77	-25	PASS
Band41	10	39700	50	#0	QPSK	25804.38	-33.11	-25	PASS
Band41	10	40620	50	#0	QPSK	2451.25	-28.51	-25	PASS
Band41	10	41540	50	#0	QPSK	2451.25	-29.98	-25	PASS
Band41	15	39725	75	#0	QPSK	25985.00	-32.99	-25	PASS
Band41	15	40620	75	#0	QPSK	25978.13	-32.90	-25	PASS
Band41	15	41515	75	#0	QPSK	25071.25	-33.25	-25	PASS
Band41	20	39750	100	#0	QPSK	25758.75	-32.81	-25	PASS
Band41	20	40620	100	#0	QPSK	25996.25	-33.10	-25	PASS
Band41	20	41490	100	#0	QPSK	25874.38	-33.22	-25	PASS

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

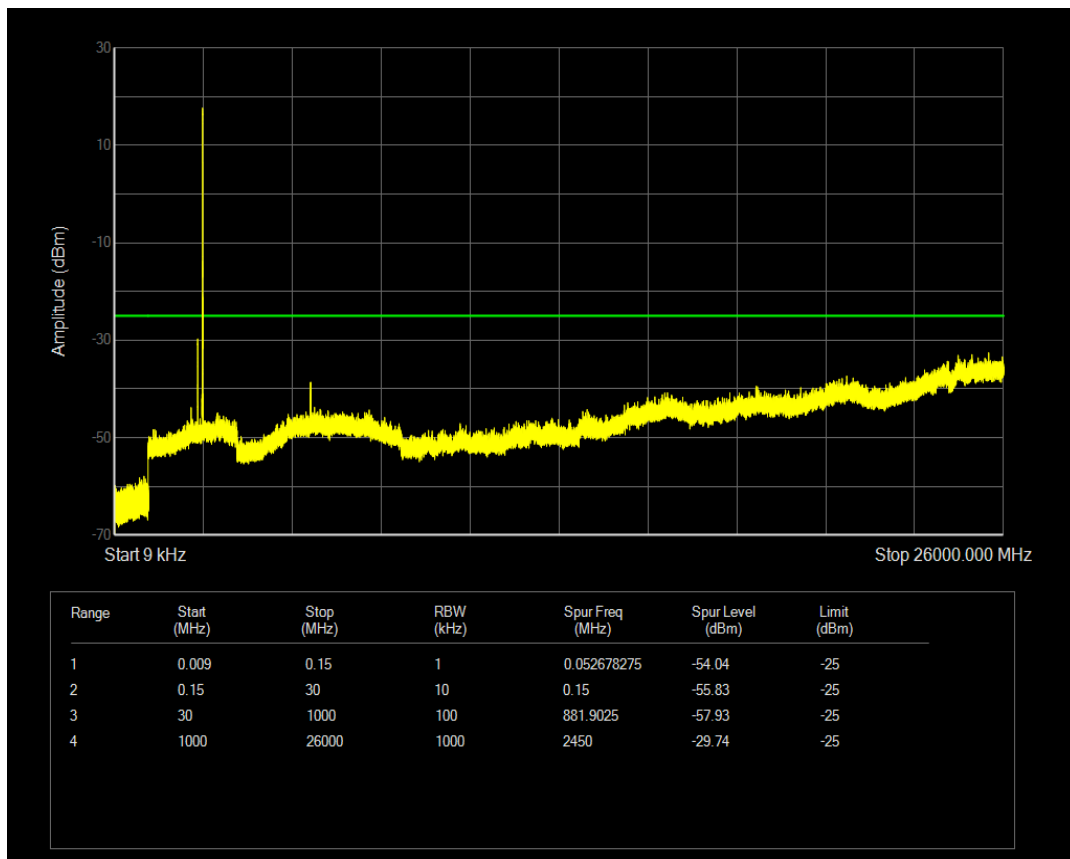




Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0

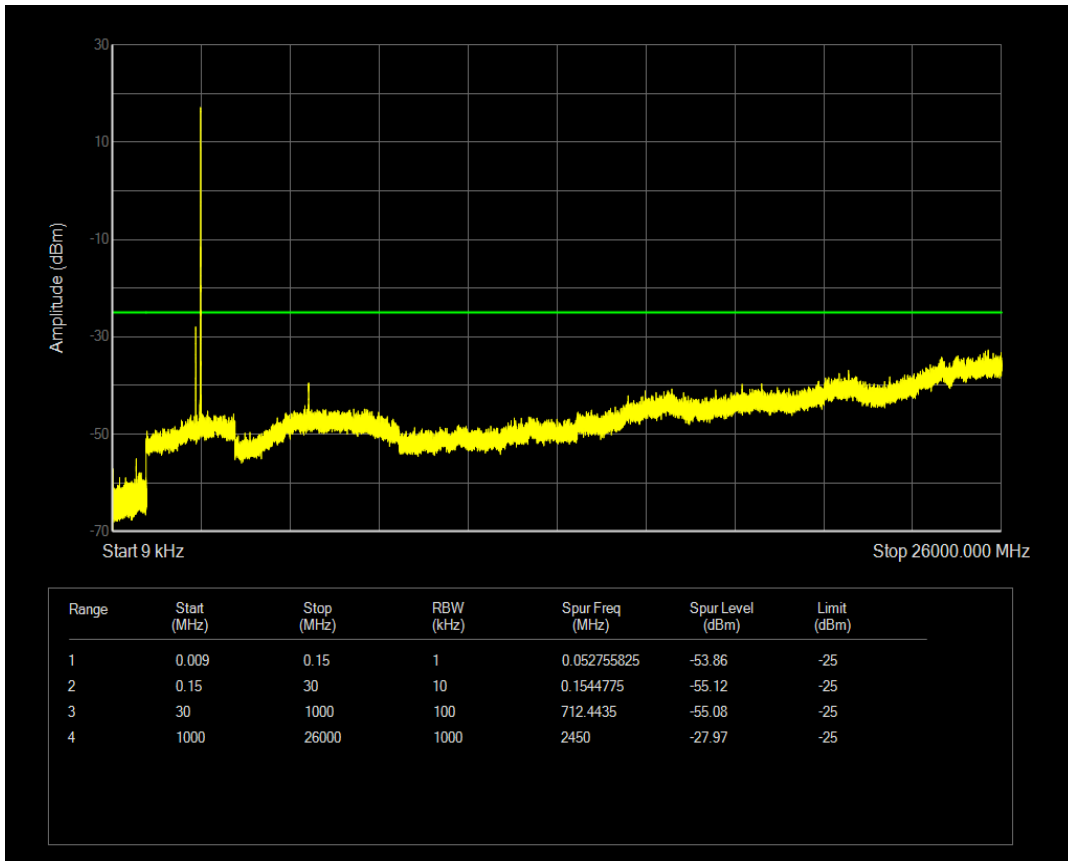


Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0

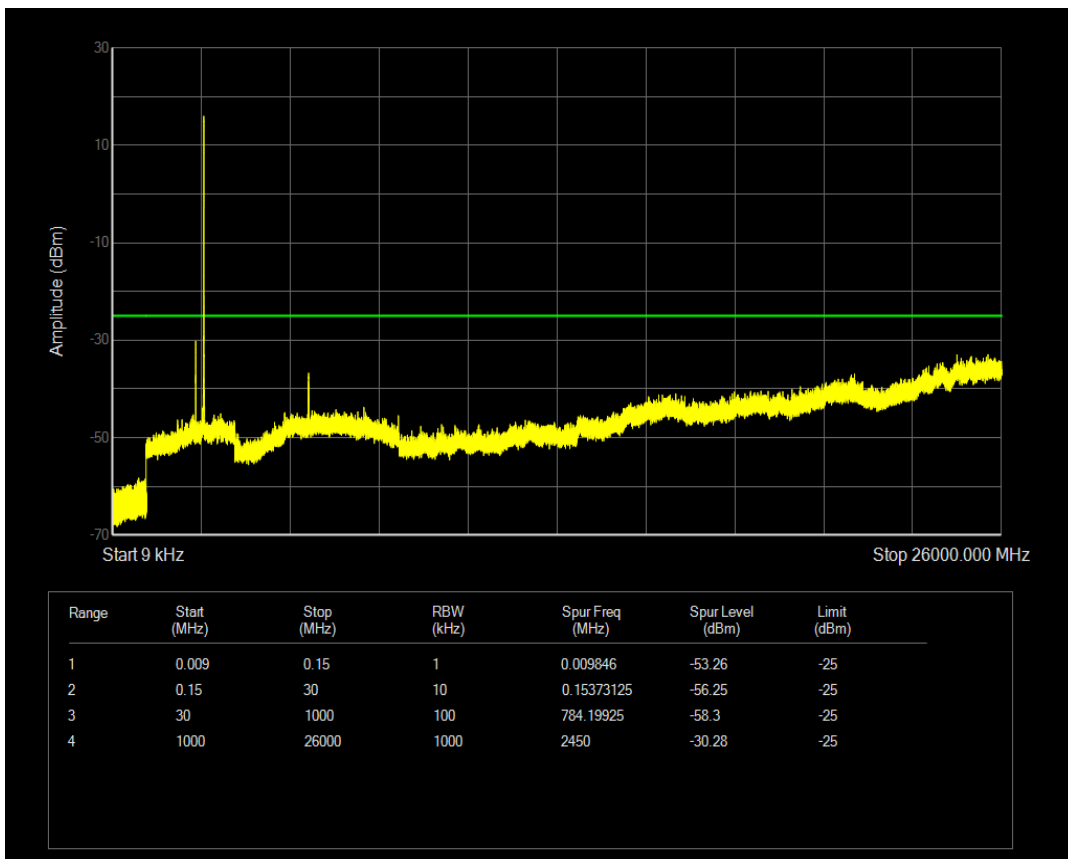




Band41 16QAM BW=5MHz Channel=40620 RB Size=25 Position=#0

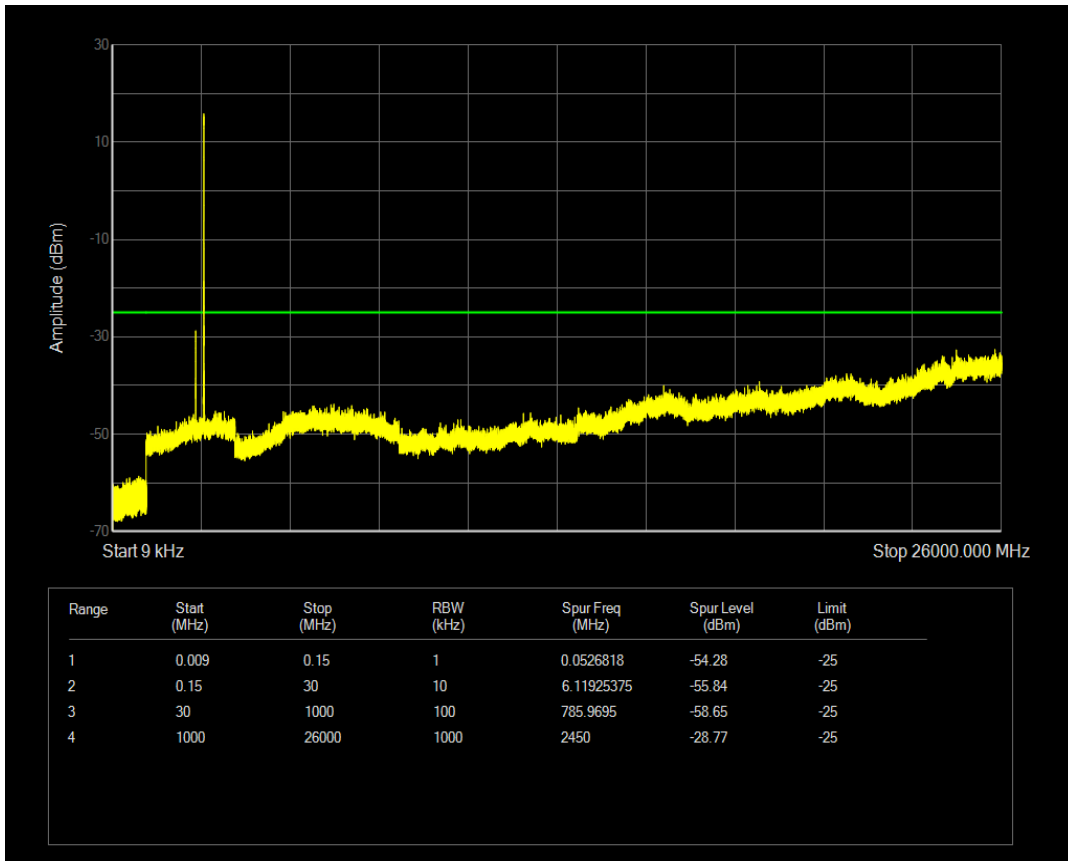


Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0

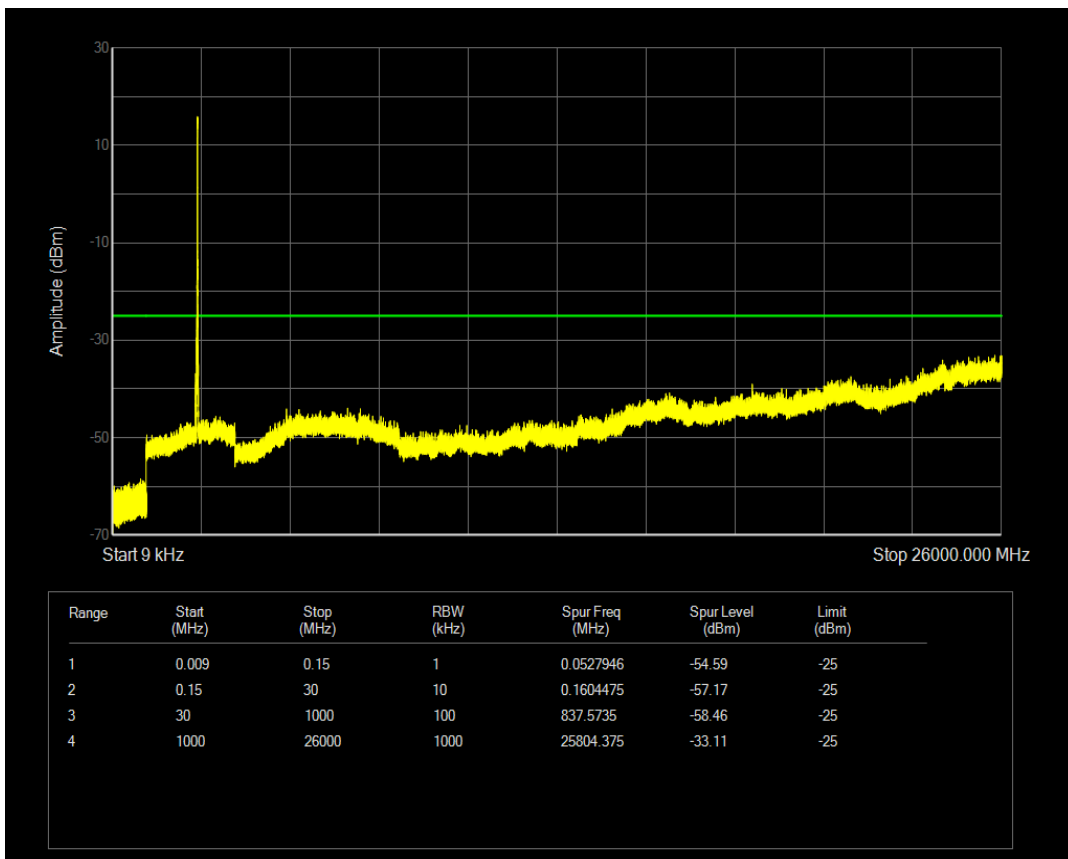




Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0

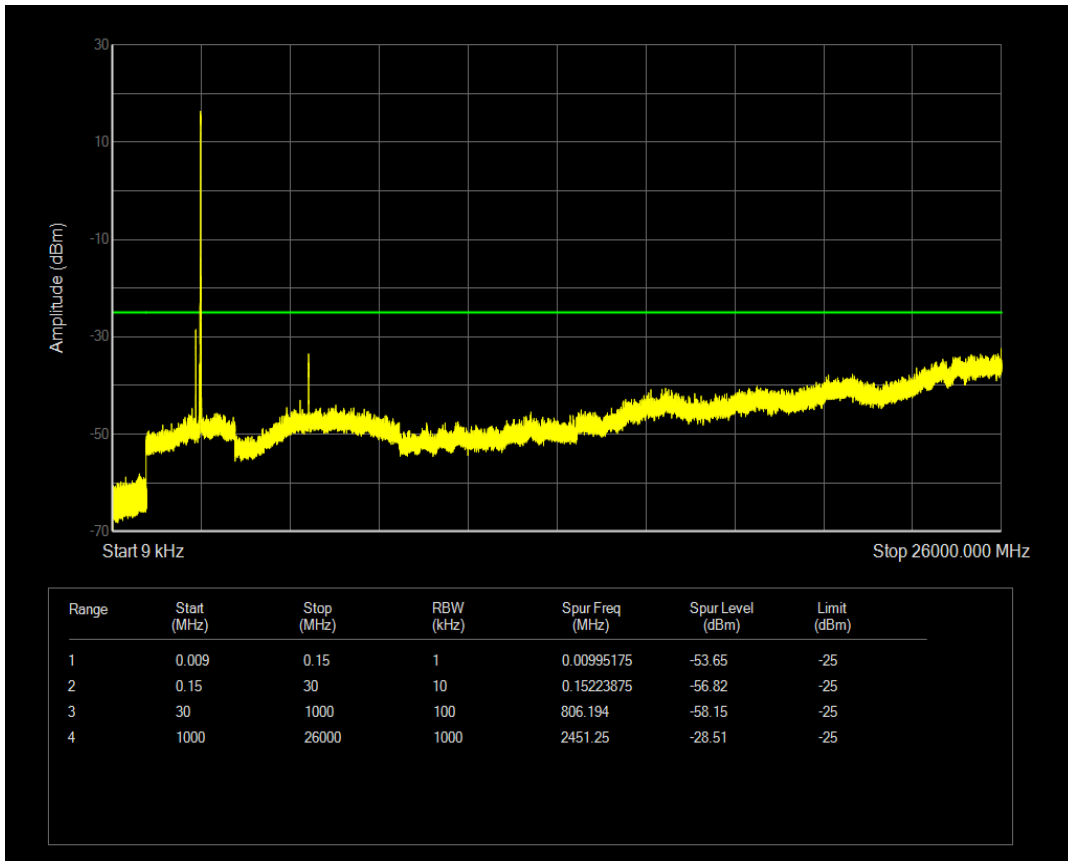


Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0

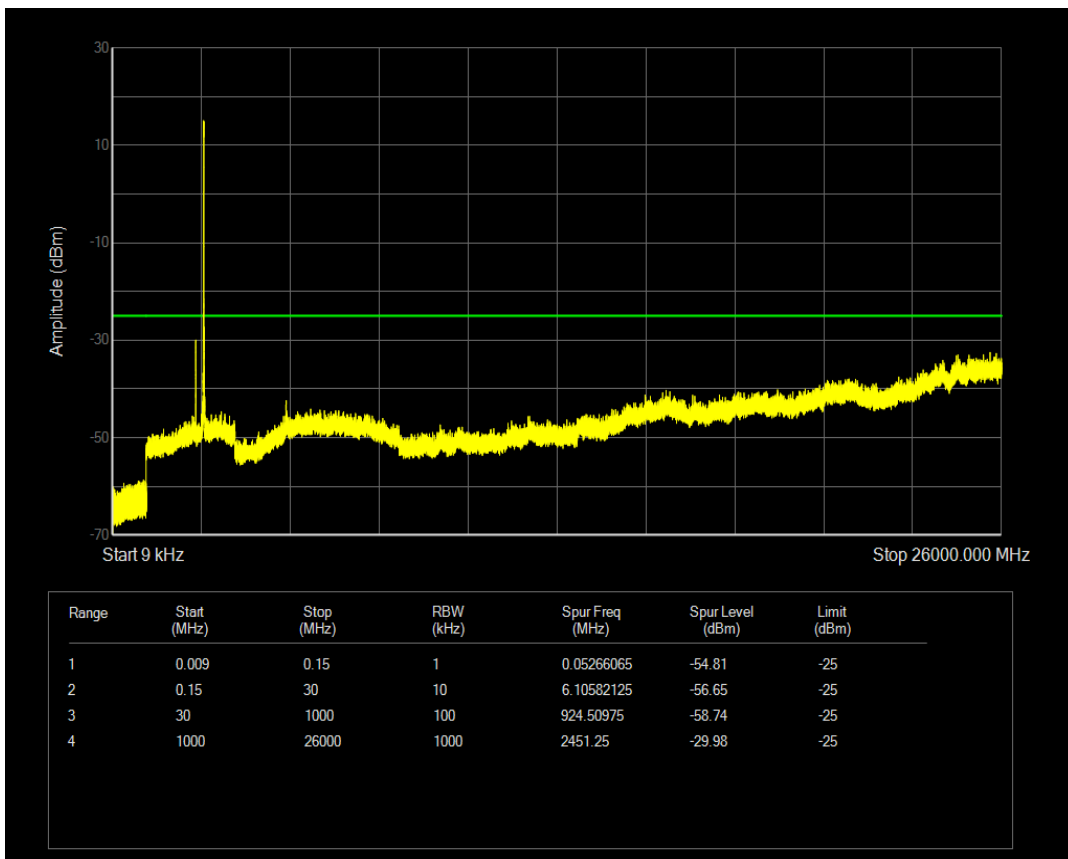




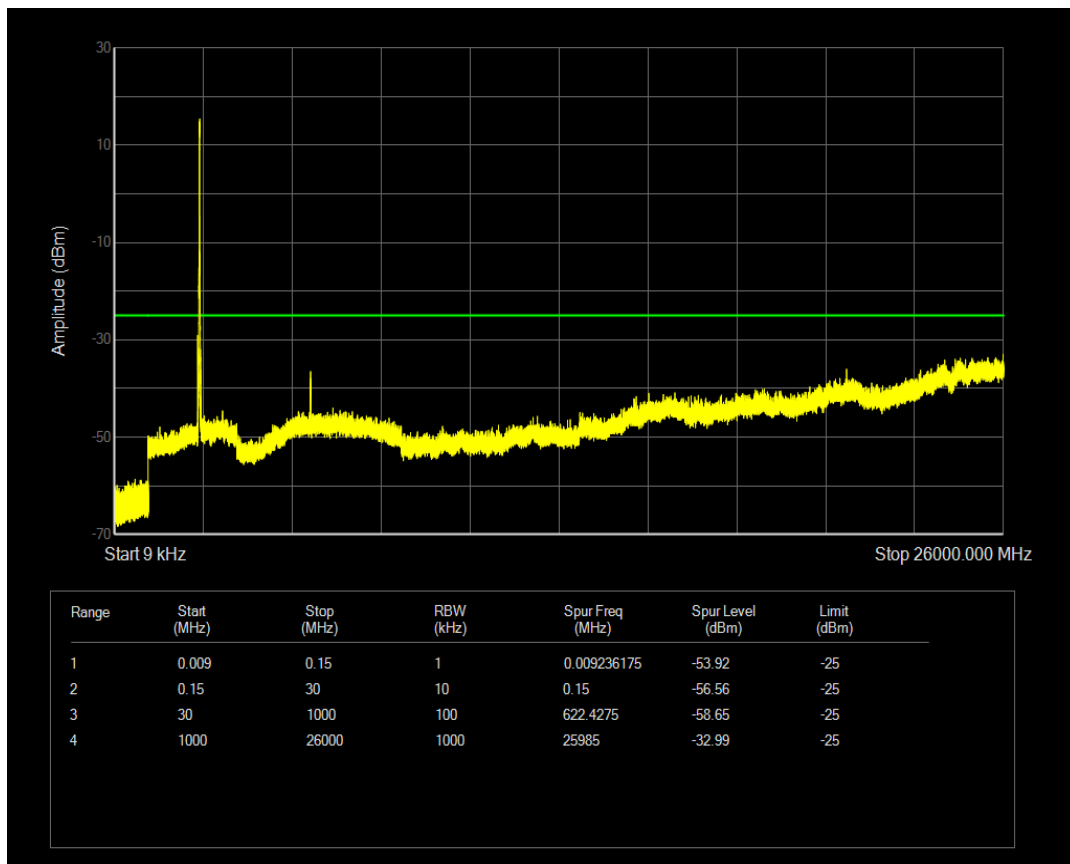
Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0



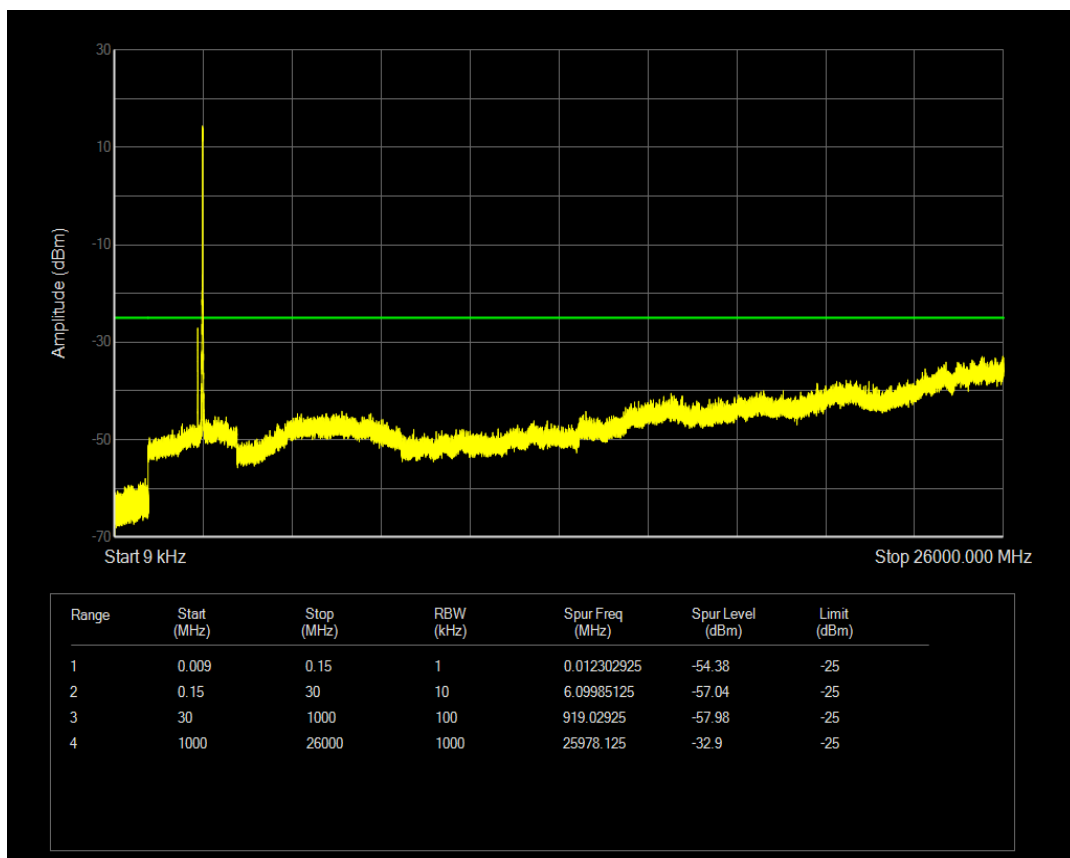
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



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

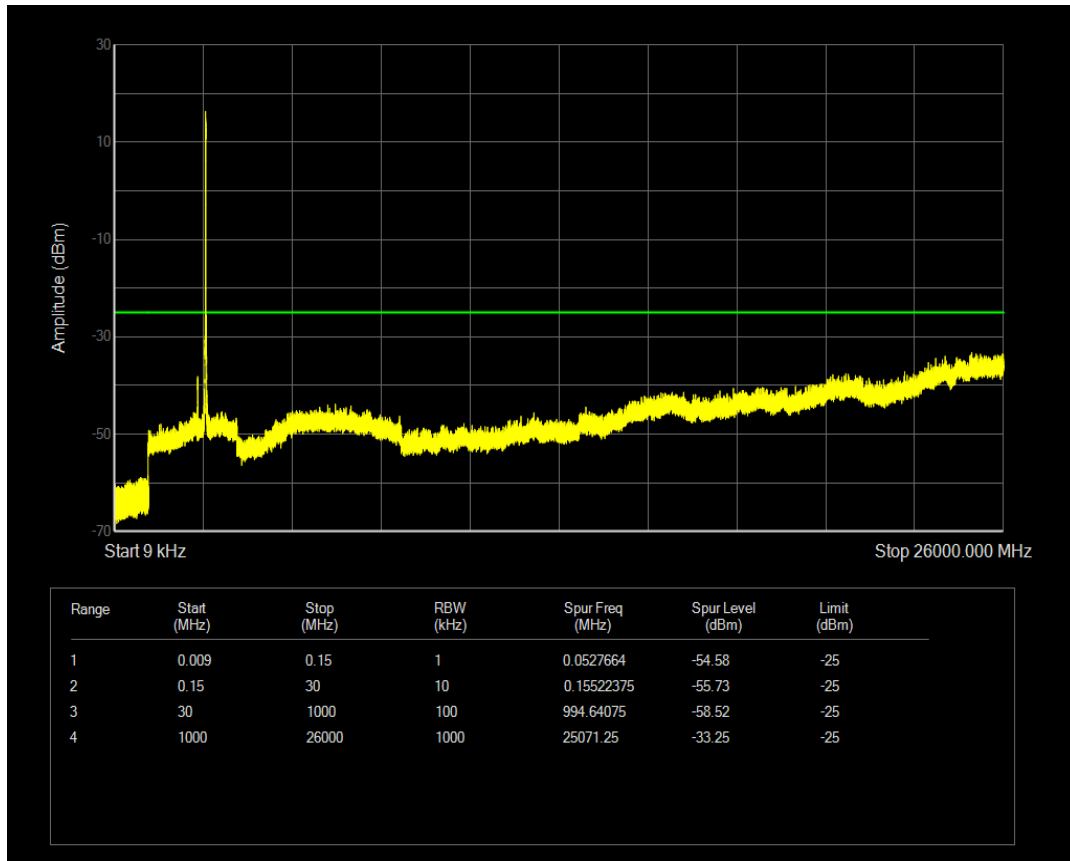


Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0

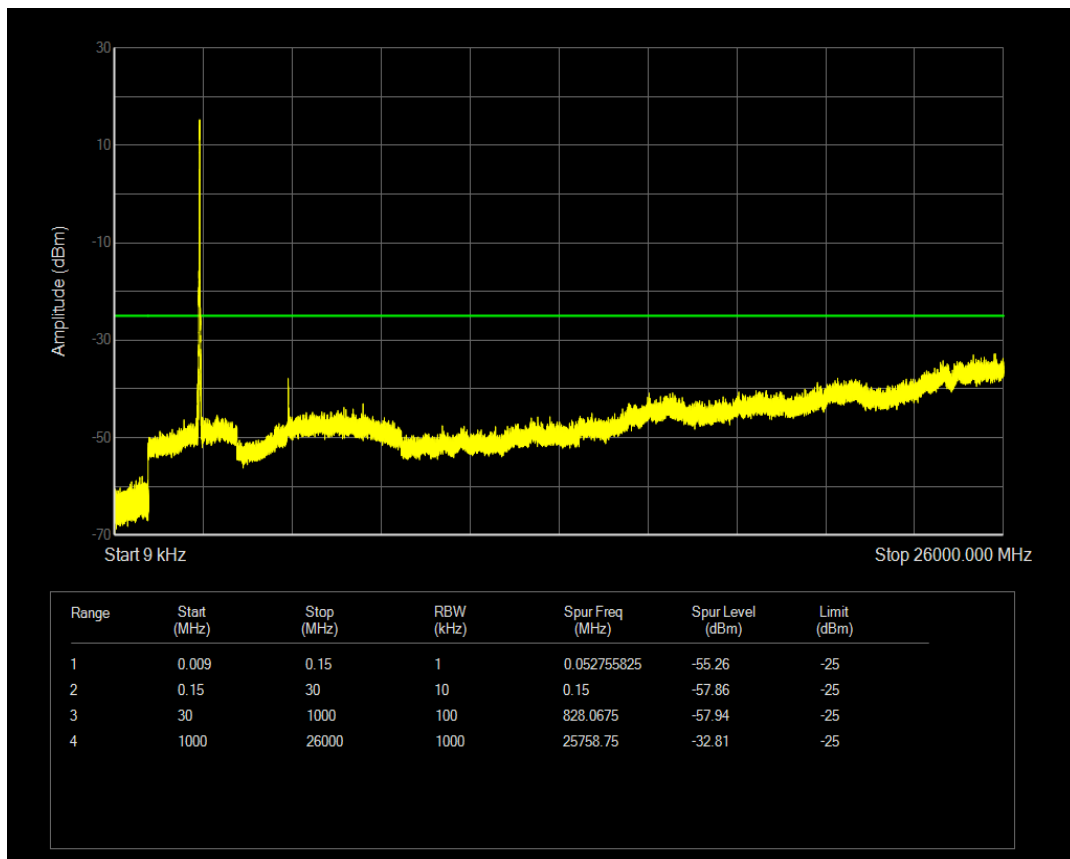




Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0

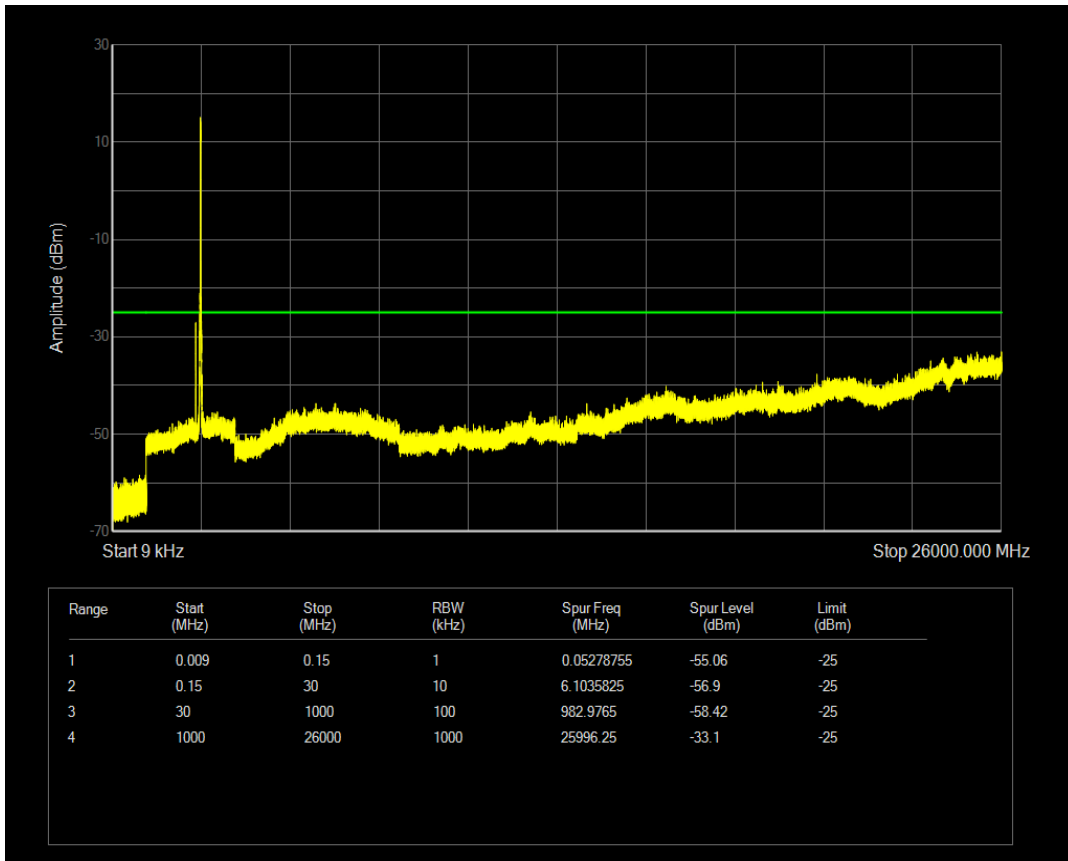


Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0





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



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

