

Appendix for Band 38

Report No.: BCTC2312704909-5E

Applicant: Shenzhen Swage Electronics Co.,Ltd.

Product Name: Smart watch

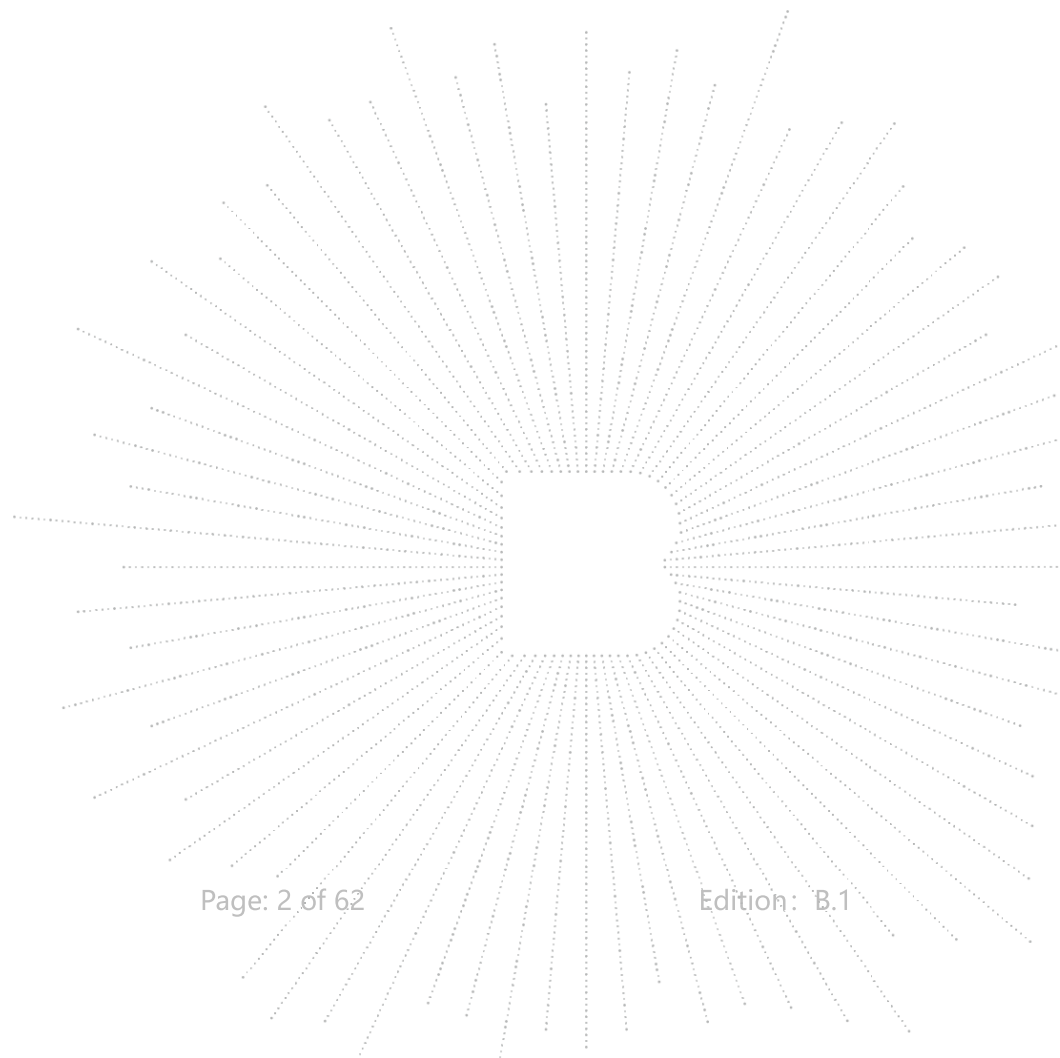
Test Model: D10

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

Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement	3
Appendix 2. Frequency stability.....	8
Appendix 3. Peak-to-Average Ratio	15
Appendix 4. Occupied bandwidth.....	28
Appendix 5. Band edge	41
Appendix 6. Out-of-band emissions	50



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

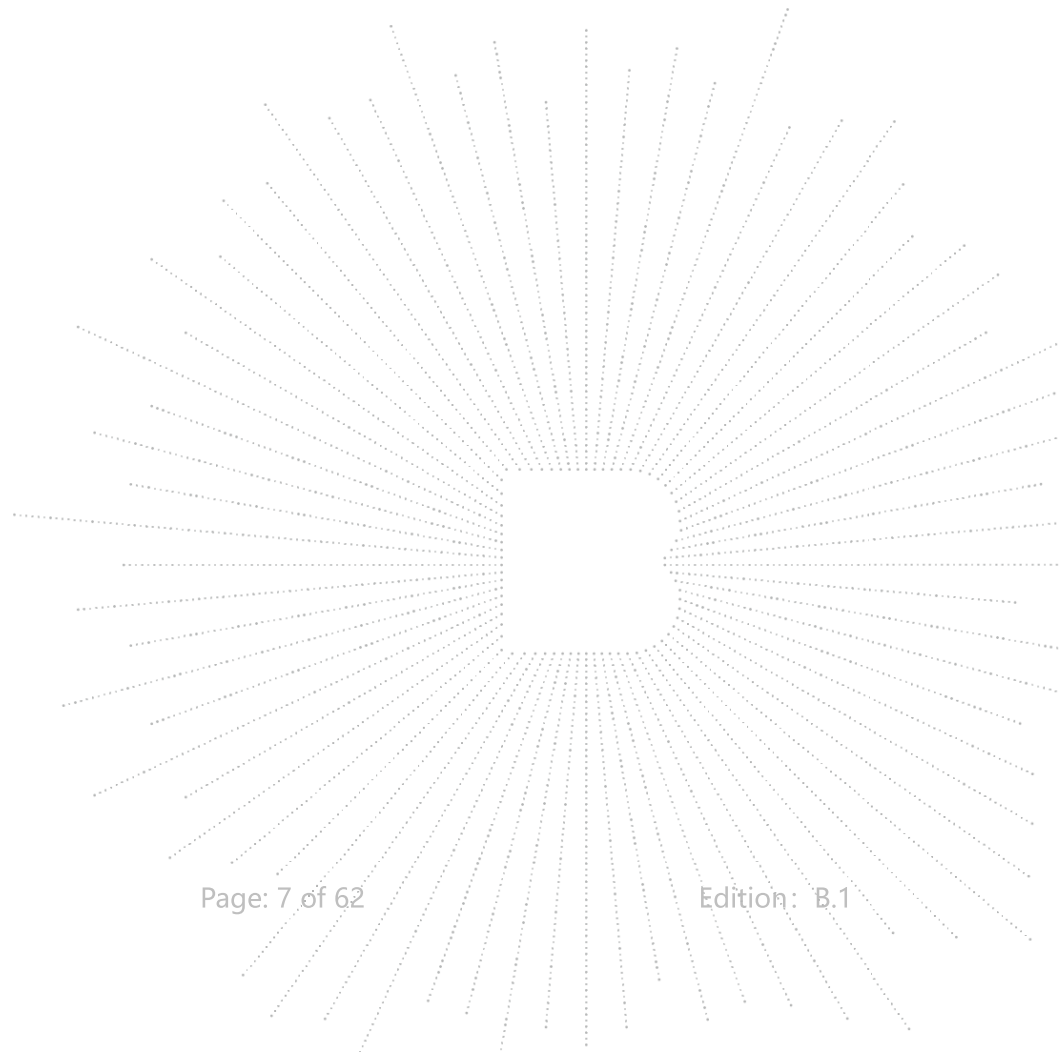
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band38	5	37775	1	#0	QPSK	22.70	2.77	25.47	PASS
Band38	5	37775	1	#Mid	QPSK	22.70	2.77	25.47	PASS
Band38	5	37775	1	#Max	QPSK	22.66	2.77	25.43	PASS
Band38	5	37775	12	#0	QPSK	21.59	2.77	24.36	PASS
Band38	5	37775	12	#Mid	QPSK	21.72	2.77	24.49	PASS
Band38	5	37775	12	#Max	QPSK	21.80	2.77	24.57	PASS
Band38	5	37775	25	#0	QPSK	21.59	2.77	24.36	PASS
Band38	5	37775	1	#0	16QAM	21.40	2.77	24.17	PASS
Band38	5	37775	1	#Mid	16QAM	21.33	2.77	24.10	PASS
Band38	5	37775	1	#Max	16QAM	21.38	2.77	24.15	PASS
Band38	5	37775	12	#0	16QAM	20.69	2.77	23.46	PASS
Band38	5	37775	12	#Mid	16QAM	20.60	2.77	23.37	PASS
Band38	5	37775	12	#Max	16QAM	20.62	2.77	23.39	PASS
Band38	5	37775	25	#0	16QAM	20.86	2.77	23.63	PASS
Band38	5	38000	1	#0	QPSK	22.50	2.77	25.27	PASS
Band38	5	38000	1	#Mid	QPSK	22.42	2.77	25.19	PASS
Band38	5	38000	1	#Max	QPSK	22.35	2.77	25.12	PASS
Band38	5	38000	12	#0	QPSK	21.66	2.77	24.43	PASS
Band38	5	38000	12	#Mid	QPSK	21.61	2.77	24.38	PASS
Band38	5	38000	12	#Max	QPSK	21.48	2.77	24.25	PASS
Band38	5	38000	25	#0	QPSK	21.53	2.77	24.30	PASS
Band38	5	38000	1	#0	16QAM	21.94	2.77	24.71	PASS
Band38	5	38000	1	#Mid	16QAM	21.86	2.77	24.63	PASS
Band38	5	38000	1	#Max	16QAM	21.84	2.77	24.61	PASS
Band38	5	38000	12	#0	16QAM	20.63	2.77	23.40	PASS
Band38	5	38000	12	#Mid	16QAM	20.63	2.77	23.40	PASS
Band38	5	38000	12	#Max	16QAM	20.54	2.77	23.31	PASS
Band38	5	38000	25	#0	16QAM	20.80	2.77	23.57	PASS
Band38	5	38225	1	#0	QPSK	22.46	2.77	25.23	PASS
Band38	5	38225	1	#Mid	QPSK	22.37	2.77	25.14	PASS
Band38	5	38225	1	#Max	QPSK	22.50	2.77	25.27	PASS
Band38	5	38225	12	#0	QPSK	21.45	2.77	24.22	PASS
Band38	5	38225	12	#Mid	QPSK	21.39	2.77	24.16	PASS
Band38	5	38225	12	#Max	QPSK	21.32	2.77	24.09	PASS
Band38	5	38225	25	#0	QPSK	21.39	2.77	24.16	PASS
Band38	5	38225	1	#0	16QAM	21.10	2.77	23.87	PASS
Band38	5	38225	1	#Mid	16QAM	21.12	2.77	23.89	PASS
Band38	5	38225	1	#Max	16QAM	21.10	2.77	23.87	PASS

Band38	5	38225	12	#0	16QAM	20.30	2.77	23.07	PASS
Band38	5	38225	12	#Mid	16QAM	20.44	2.77	23.21	PASS
Band38	5	38225	12	#Max	16QAM	20.38	2.77	23.15	PASS
Band38	5	38225	25	#0	16QAM	20.69	2.77	23.46	PASS
Band38	10	37800	1	#0	QPSK	22.75	2.77	25.52	PASS
Band38	10	37800	1	#Mid	QPSK	22.81	2.77	25.58	PASS
Band38	10	37800	1	#Max	QPSK	22.64	2.77	25.41	PASS
Band38	10	37800	25	#0	QPSK	21.59	2.77	24.36	PASS
Band38	10	37800	25	#Mid	QPSK	21.60	2.77	24.37	PASS
Band38	10	37800	25	#Max	QPSK	21.68	2.77	24.45	PASS
Band38	10	37800	50	#0	QPSK	21.64	2.77	24.41	PASS
Band38	10	37800	1	#0	16QAM	22.95	2.77	25.72	PASS
Band38	10	37800	1	#Mid	16QAM	23.02	2.77	25.79	PASS
Band38	10	37800	1	#Max	16QAM	22.60	2.77	25.37	PASS
Band38	10	37800	25	#0	16QAM	20.75	2.77	23.52	PASS
Band38	10	37800	25	#Mid	16QAM	20.77	2.77	23.54	PASS
Band38	10	37800	25	#Max	16QAM	20.67	2.77	23.44	PASS
Band38	10	37800	50	#0	16QAM	20.83	2.77	23.60	PASS
Band38	10	38000	1	#0	QPSK	22.78	2.77	25.55	PASS
Band38	10	38000	1	#Mid	QPSK	22.77	2.77	25.54	PASS
Band38	10	38000	1	#Max	QPSK	22.68	2.77	25.45	PASS
Band38	10	38000	25	#0	QPSK	21.49	2.77	24.26	PASS
Band38	10	38000	25	#Mid	QPSK	21.54	2.77	24.31	PASS
Band38	10	38000	25	#Max	QPSK	21.36	2.77	24.13	PASS
Band38	10	38000	50	#0	QPSK	21.59	2.77	24.36	PASS
Band38	10	38000	1	#0	16QAM	20.78	2.77	23.55	PASS
Band38	10	38000	1	#Mid	16QAM	20.73	2.77	23.50	PASS
Band38	10	38000	1	#Max	16QAM	20.68	2.77	23.45	PASS
Band38	10	38000	25	#0	16QAM	20.56	2.77	23.33	PASS
Band38	10	38000	25	#Mid	16QAM	20.61	2.77	23.38	PASS
Band38	10	38000	25	#Max	16QAM	20.54	2.77	23.31	PASS
Band38	10	38000	50	#0	16QAM	20.70	2.77	23.47	PASS
Band38	10	38200	1	#0	QPSK	22.42	2.77	25.19	PASS
Band38	10	38200	1	#Mid	QPSK	22.35	2.77	25.12	PASS
Band38	10	38200	1	#Max	QPSK	22.37	2.77	25.14	PASS
Band38	10	38200	25	#0	QPSK	21.39	2.77	24.16	PASS
Band38	10	38200	25	#Mid	QPSK	21.45	2.77	24.22	PASS
Band38	10	38200	25	#Max	QPSK	21.40	2.77	24.17	PASS
Band38	10	38200	50	#0	QPSK	21.31	2.77	24.08	PASS
Band38	10	38200	1	#0	16QAM	21.97	2.77	24.74	PASS
Band38	10	38200	1	#Mid	16QAM	22.18	2.77	24.95	PASS
Band38	10	38200	1	#Max	16QAM	22.18	2.77	24.95	PASS
Band38	10	38200	25	#0	16QAM	20.20	2.77	22.97	PASS

Band38	10	38200	25	#Mid	16QAM	20.50	2.77	23.27	PASS
Band38	10	38200	25	#Max	16QAM	20.44	2.77	23.21	PASS
Band38	10	38200	50	#0	16QAM	20.54	2.77	23.31	PASS
Band38	15	37825	1	#0	QPSK	22.80	2.77	25.57	PASS
Band38	15	37825	1	#Mid	QPSK	22.82	2.77	25.59	PASS
Band38	15	37825	1	#Max	QPSK	22.78	2.77	25.55	PASS
Band38	15	37825	36	#0	QPSK	21.63	2.77	24.40	PASS
Band38	15	37825	36	#Mid	QPSK	21.60	2.77	24.37	PASS
Band38	15	37825	36	#Max	QPSK	21.70	2.77	24.47	PASS
Band38	15	37825	75	#0	QPSK	21.63	2.77	24.40	PASS
Band38	15	37825	1	#0	16QAM	22.92	2.77	25.69	PASS
Band38	15	37825	1	#Mid	16QAM	22.87	2.77	25.64	PASS
Band38	15	37825	1	#Max	16QAM	22.82	2.77	25.59	PASS
Band38	15	37825	36	#0	16QAM	20.83	2.77	23.60	PASS
Band38	15	37825	36	#Mid	16QAM	20.80	2.77	23.57	PASS
Band38	15	37825	36	#Max	16QAM	20.72	2.77	23.49	PASS
Band38	15	37825	75	#0	16QAM	20.64	2.77	23.41	PASS
Band38	15	38000	1	#0	QPSK	22.71	2.77	25.48	PASS
Band38	15	38000	1	#Mid	QPSK	22.74	2.77	25.51	PASS
Band38	15	38000	1	#Max	QPSK	22.63	2.77	25.40	PASS
Band38	15	38000	36	#0	QPSK	21.46	2.77	24.23	PASS
Band38	15	38000	36	#Mid	QPSK	21.54	2.77	24.31	PASS
Band38	15	38000	36	#Max	QPSK	21.43	2.77	24.20	PASS
Band38	15	38000	75	#0	QPSK	21.37	2.77	24.14	PASS
Band38	15	38000	1	#0	16QAM	20.80	2.77	23.57	PASS
Band38	15	38000	1	#Mid	16QAM	20.83	2.77	23.60	PASS
Band38	15	38000	1	#Max	16QAM	20.70	2.77	23.47	PASS
Band38	15	38000	36	#0	16QAM	20.75	2.77	23.52	PASS
Band38	15	38000	36	#Mid	16QAM	20.77	2.77	23.54	PASS
Band38	15	38000	36	#Max	16QAM	20.76	2.77	23.53	PASS
Band38	15	38000	75	#0	16QAM	20.77	2.77	23.54	PASS
Band38	15	38175	1	#0	QPSK	22.31	2.77	25.08	PASS
Band38	15	38175	1	#Mid	QPSK	22.36	2.77	25.13	PASS
Band38	15	38175	1	#Max	QPSK	22.23	2.77	25.00	PASS
Band38	15	38175	36	#0	QPSK	21.42	2.77	24.19	PASS
Band38	15	38175	36	#Mid	QPSK	21.40	2.77	24.17	PASS
Band38	15	38175	36	#Max	QPSK	21.40	2.77	24.17	PASS
Band38	15	38175	75	#0	QPSK	21.46	2.77	24.23	PASS
Band38	15	38175	1	#0	16QAM	21.36	2.77	24.13	PASS
Band38	15	38175	1	#Mid	16QAM	21.33	2.77	24.10	PASS
Band38	15	38175	1	#Max	16QAM	21.47	2.77	24.24	PASS
Band38	15	38175	36	#0	16QAM	20.34	2.77	23.11	PASS
Band38	15	38175	36	#Mid	16QAM	20.12	2.77	22.89	PASS

Band38	15	38175	36	#Max	16QAM	20.23	2.77	23.00	PASS
Band38	15	38175	75	#0	16QAM	20.35	2.77	23.12	PASS
Band38	20	37850	1	#0	QPSK	22.55	2.77	25.32	PASS
Band38	20	37850	1	#Mid	QPSK	22.57	2.77	25.34	PASS
Band38	20	37850	1	#Max	QPSK	22.46	2.77	25.23	PASS
Band38	20	37850	50	#0	QPSK	21.74	2.77	24.51	PASS
Band38	20	37850	50	#Mid	QPSK	21.56	2.77	24.33	PASS
Band38	20	37850	50	#Max	QPSK	21.68	2.77	24.45	PASS
Band38	20	37850	100	#0	QPSK	21.70	2.77	24.47	PASS
Band38	20	37850	1	#0	16QAM	21.81	2.77	24.58	PASS
Band38	20	37850	1	#Mid	16QAM	21.67	2.77	24.44	PASS
Band38	20	37850	1	#Max	16QAM	21.62	2.77	24.39	PASS
Band38	20	37850	50	#0	16QAM	21.00	2.77	23.77	PASS
Band38	20	37850	50	#Mid	16QAM	20.82	2.77	23.59	PASS
Band38	20	37850	50	#Max	16QAM	20.94	2.77	23.71	PASS
Band38	20	37850	100	#0	16QAM	20.71	2.77	23.48	PASS
Band38	20	38000	1	#0	QPSK	22.79	2.77	25.56	PASS
Band38	20	38000	1	#Mid	QPSK	22.68	2.77	25.45	PASS
Band38	20	38000	1	#Max	QPSK	22.57	2.77	25.34	PASS
Band38	20	38000	50	#0	QPSK	21.67	2.77	24.44	PASS
Band38	20	38000	50	#Mid	QPSK	21.44	2.77	24.21	PASS
Band38	20	38000	50	#Max	QPSK	21.61	2.77	24.38	PASS
Band38	20	38000	100	#0	QPSK	21.52	2.77	24.29	PASS
Band38	20	38000	1	#0	16QAM	21.44	2.77	24.21	PASS
Band38	20	38000	1	#Mid	16QAM	21.40	2.77	24.17	PASS
Band38	20	38000	1	#Max	16QAM	21.35	2.77	24.12	PASS
Band38	20	38000	50	#0	16QAM	20.63	2.77	23.40	PASS
Band38	20	38000	50	#Mid	16QAM	20.60	2.77	23.37	PASS
Band38	20	38000	50	#Max	16QAM	20.48	2.77	23.25	PASS
Band38	20	38000	100	#0	16QAM	20.73	2.77	23.50	PASS
Band38	20	38150	1	#0	QPSK	22.48	2.77	25.25	PASS
Band38	20	38150	1	#Mid	QPSK	22.45	2.77	25.22	PASS
Band38	20	38150	1	#Max	QPSK	22.46	2.77	25.23	PASS
Band38	20	38150	50	#0	QPSK	21.47	2.77	24.24	PASS
Band38	20	38150	50	#Mid	QPSK	21.37	2.77	24.14	PASS
Band38	20	38150	50	#Max	QPSK	21.34	2.77	24.11	PASS
Band38	20	38150	100	#0	QPSK	21.39	2.77	24.16	PASS
Band38	20	38150	1	#0	16QAM	21.26	2.77	24.03	PASS
Band38	20	38150	1	#Mid	16QAM	20.98	2.77	23.75	PASS
Band38	20	38150	1	#Max	16QAM	20.74	2.77	23.51	PASS
Band38	20	38150	50	#0	16QAM	20.60	2.77	23.37	PASS
Band38	20	38150	50	#Mid	16QAM	20.59	2.77	23.36	PASS
Band38	20	38150	50	#Max	16QAM	20.62	2.77	23.39	PASS

Band38	20	38150	100	#0	16QAM	20.45	2.77	23.22	PASS
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Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band38	5	37775	25	#0	QPSK	LV	NT	38.29	0.015	PASS
Band38	5	37775	25	#0	QPSK	NV	NT	43.59	0.017	PASS
Band38	5	37775	25	#0	QPSK	HV	NT	-11.52	-0.004	PASS
Band38	5	37775	25	#0	16QAM	LV	NT	-6.19	-0.002	PASS
Band38	5	37775	25	#0	16QAM	NV	NT	-1.24	0.000	PASS
Band38	5	37775	25	#0	16QAM	HV	NT	-1.96	-0.001	PASS
Band38	5	38000	25	#0	QPSK	LV	NT	22.22	0.009	PASS
Band38	5	38000	25	#0	QPSK	NV	NT	12.85	0.005	PASS
Band38	5	38000	25	#0	QPSK	HV	NT	10.27	0.004	PASS
Band38	5	38000	25	#0	16QAM	LV	NT	16.64	0.006	PASS
Band38	5	38000	25	#0	16QAM	NV	NT	17.21	0.007	PASS
Band38	5	38000	25	#0	16QAM	HV	NT	16.99	0.007	PASS
Band38	5	38225	25	#0	QPSK	LV	NT	-18.14	-0.007	PASS
Band38	5	38225	25	#0	QPSK	NV	NT	-17.04	-0.007	PASS
Band38	5	38225	25	#0	QPSK	HV	NT	-11.59	-0.004	PASS
Band38	5	38225	25	#0	16QAM	LV	NT	-11.22	-0.004	PASS
Band38	5	38225	25	#0	16QAM	NV	NT	-2.05	-0.001	PASS
Band38	5	38225	25	#0	16QAM	HV	NT	-0.99	0.000	PASS
Band38	10	37800	50	#0	QPSK	LV	NT	-26.82	-0.010	PASS
Band38	10	37800	50	#0	QPSK	NV	NT	-18.85	-0.007	PASS
Band38	10	37800	50	#0	QPSK	HV	NT	-17.05	-0.007	PASS
Band38	10	37800	50	#0	16QAM	LV	NT	-12.43	-0.005	PASS
Band38	10	37800	50	#0	16QAM	NV	NT	-11.06	-0.004	PASS
Band38	10	37800	50	#0	16QAM	HV	NT	-8.84	-0.003	PASS
Band38	10	38000	50	#0	QPSK	LV	NT	-0.53	0.000	PASS
Band38	10	38000	50	#0	QPSK	NV	NT	9.01	0.003	PASS
Band38	10	38000	50	#0	QPSK	HV	NT	7.32	0.003	PASS
Band38	10	38000	50	#0	16QAM	LV	NT	9.07	0.003	PASS
Band38	10	38000	50	#0	16QAM	NV	NT	8.97	0.003	PASS
Band38	10	38000	50	#0	16QAM	HV	NT	10.67	0.004	PASS
Band38	10	38200	50	#0	QPSK	LV	NT	-47.12	-0.018	PASS
Band38	10	38200	50	#0	QPSK	NV	NT	-45.66	-0.017	PASS
Band38	10	38200	50	#0	QPSK	HV	NT	-41.58	-0.016	PASS
Band38	10	38200	50	#0	16QAM	LV	NT	-39.98	-0.015	PASS
Band38	10	38200	50	#0	16QAM	NV	NT	-39.98	-0.015	PASS
Band38	10	38200	50	#0	16QAM	HV	NT	-40.90	-0.016	PASS
Band38	15	37825	75	#0	QPSK	LV	NT	26.82	0.010	PASS
Band38	15	37825	75	#0	QPSK	NV	NT	27.11	0.011	PASS

Band38	15	37825	75	#0	QPSK	HV	NT	29.45	0.011	PASS
Band38	15	37825	75	#0	16QAM	LV	NT	29.74	0.012	PASS
Band38	15	37825	75	#0	16QAM	NV	NT	22.16	0.009	PASS
Band38	15	37825	75	#0	16QAM	HV	NT	20.84	0.008	PASS
Band38	15	38000	75	#0	QPSK	LV	NT	-11.26	-0.004	PASS
Band38	15	38000	75	#0	QPSK	NV	NT	-11.56	-0.004	PASS
Band38	15	38000	75	#0	QPSK	HV	NT	-10.51	-0.004	PASS
Band38	15	38000	75	#0	16QAM	LV	NT	-10.73	-0.004	PASS
Band38	15	38000	75	#0	16QAM	NV	NT	-12.42	-0.005	PASS
Band38	15	38000	75	#0	16QAM	HV	NT	-13.36	-0.005	PASS
Band38	15	38175	75	#0	QPSK	LV	NT	-41.74	-0.016	PASS
Band38	15	38175	75	#0	QPSK	NV	NT	-31.99	-0.012	PASS
Band38	15	38175	75	#0	QPSK	HV	NT	-34.03	-0.013	PASS
Band38	15	38175	75	#0	16QAM	LV	NT	-26.16	-0.010	PASS
Band38	15	38175	75	#0	16QAM	NV	NT	-22.65	-0.009	PASS
Band38	15	38175	75	#0	16QAM	HV	NT	-19.60	-0.008	PASS
Band38	20	37850	100	#0	QPSK	LV	NT	31.06	0.012	PASS
Band38	20	37850	100	#0	QPSK	NV	NT	40.28	0.016	PASS
Band38	20	37850	100	#0	QPSK	HV	NT	31.90	0.012	PASS
Band38	20	37850	100	#0	16QAM	LV	NT	0.10	0.000	PASS
Band38	20	37850	100	#0	16QAM	NV	NT	-4.25	-0.002	PASS
Band38	20	37850	100	#0	16QAM	HV	NT	-0.87	0.000	PASS
Band38	20	38000	100	#0	QPSK	LV	NT	25.73	0.010	PASS
Band38	20	38000	100	#0	QPSK	NV	NT	26.68	0.010	PASS
Band38	20	38000	100	#0	QPSK	HV	NT	19.83	0.008	PASS
Band38	20	38000	100	#0	16QAM	LV	NT	15.88	0.006	PASS
Band38	20	38000	100	#0	16QAM	NV	NT	14.08	0.005	PASS
Band38	20	38000	100	#0	16QAM	HV	NT	10.81	0.004	PASS
Band38	20	38150	100	#0	QPSK	LV	NT	-12.45	-0.005	PASS
Band38	20	38150	100	#0	QPSK	NV	NT	19.04	0.007	PASS
Band38	20	38150	100	#0	QPSK	HV	NT	21.06	0.008	PASS
Band38	20	38150	100	#0	16QAM	LV	NT	21.92	0.008	PASS
Band38	20	38150	100	#0	16QAM	NV	NT	19.01	0.007	PASS
Band38	20	38150	100	#0	16QAM	HV	NT	19.37	0.007	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band38	5	37775	25	#0	QPSK	NV	-30	-13.99	-0.005	PASS
Band38	5	37775	25	#0	QPSK	NV	-20	-29.68	-0.012	PASS
Band38	5	37775	25	#0	QPSK	NV	-10	-47.31	-0.018	PASS
Band38	5	37775	25	#0	QPSK	NV	0	-18.65	-0.007	PASS
Band38	5	37775	25	#0	QPSK	NV	10	-31.23	-0.012	PASS
Band38	5	37775	25	#0	QPSK	NV	20	-43.82	-0.017	PASS

Band38	5	37775	25	#0	QPSK	NV	30	9.43	0.004	PASS
Band38	5	37775	25	#0	QPSK	NV	40	-6.52	-0.003	PASS
Band38	5	37775	25	#0	QPSK	NV	50	-22.39	-0.009	PASS
Band38	5	37775	25	#0	16QAM	NV	-30	-35.59	-0.014	PASS
Band38	5	37775	25	#0	16QAM	NV	-20	-42.21	-0.016	PASS
Band38	5	37775	25	#0	16QAM	NV	-10	-35.69	-0.014	PASS
Band38	5	37775	25	#0	16QAM	NV	0	-5.19	-0.002	PASS
Band38	5	37775	25	#0	16QAM	NV	10	-9.13	-0.004	PASS
Band38	5	37775	25	#0	16QAM	NV	20	-15.31	-0.006	PASS
Band38	5	37775	25	#0	16QAM	NV	30	-14.25	-0.006	PASS
Band38	5	37775	25	#0	16QAM	NV	40	-15.52	-0.006	PASS
Band38	5	37775	25	#0	16QAM	NV	50	-22.90	-0.009	PASS
Band38	5	38000	25	#0	QPSK	NV	-30	-5.29	-0.002	PASS
Band38	5	38000	25	#0	QPSK	NV	-20	-4.33	-0.002	PASS
Band38	5	38000	25	#0	QPSK	NV	-10	-0.17	0.000	PASS
Band38	5	38000	25	#0	QPSK	NV	0	-4.52	-0.002	PASS
Band38	5	38000	25	#0	QPSK	NV	10	-4.48	-0.002	PASS
Band38	5	38000	25	#0	QPSK	NV	20	-5.72	-0.002	PASS
Band38	5	38000	25	#0	QPSK	NV	30	-13.06	-0.005	PASS
Band38	5	38000	25	#0	QPSK	NV	40	-12.43	-0.005	PASS
Band38	5	38000	25	#0	QPSK	NV	50	-9.57	-0.004	PASS
Band38	5	38000	25	#0	16QAM	NV	-30	-22.82	-0.009	PASS
Band38	5	38000	25	#0	16QAM	NV	-20	-29.11	-0.011	PASS
Band38	5	38000	25	#0	16QAM	NV	-10	-32.22	-0.012	PASS
Band38	5	38000	25	#0	16QAM	NV	0	-40.10	-0.015	PASS
Band38	5	38000	25	#0	16QAM	NV	10	-37.99	-0.015	PASS
Band38	5	38000	25	#0	16QAM	NV	20	-44.47	-0.017	PASS
Band38	5	38000	25	#0	16QAM	NV	30	-42.77	-0.016	PASS
Band38	5	38000	25	#0	16QAM	NV	40	-40.38	-0.016	PASS
Band38	5	38000	25	#0	16QAM	NV	50	-31.13	-0.012	PASS
Band38	5	38225	25	#0	QPSK	NV	-30	-29.28	-0.011	PASS
Band38	5	38225	25	#0	QPSK	NV	-20	-30.46	-0.012	PASS
Band38	5	38225	25	#0	QPSK	NV	-10	-26.39	-0.010	PASS
Band38	5	38225	25	#0	QPSK	NV	0	-26.26	-0.010	PASS
Band38	5	38225	25	#0	QPSK	NV	10	-23.80	-0.009	PASS
Band38	5	38225	25	#0	QPSK	NV	20	-24.65	-0.009	PASS
Band38	5	38225	25	#0	QPSK	NV	30	-21.26	-0.008	PASS
Band38	5	38225	25	#0	QPSK	NV	40	-23.35	-0.009	PASS
Band38	5	38225	25	#0	QPSK	NV	50	-25.86	-0.010	PASS
Band38	5	38225	25	#0	16QAM	NV	-30	-30.86	-0.012	PASS
Band38	5	38225	25	#0	16QAM	NV	-20	-32.83	-0.013	PASS
Band38	5	38225	25	#0	16QAM	NV	-10	-23.10	-0.009	PASS
Band38	5	38225	25	#0	16QAM	NV	0	-29.18	-0.011	PASS

Band38	5	38225	25	#0	16QAM	NV	10	-26.11	-0.010	PASS
Band38	5	38225	25	#0	16QAM	NV	20	-30.38	-0.012	PASS
Band38	5	38225	25	#0	16QAM	NV	30	-29.65	-0.011	PASS
Band38	5	38225	25	#0	16QAM	NV	40	-21.96	-0.008	PASS
Band38	5	38225	25	#0	16QAM	NV	50	-15.62	-0.006	PASS
Band38	10	37800	50	#0	QPSK	NV	-30	16.58	0.006	PASS
Band38	10	37800	50	#0	QPSK	NV	-20	15.65	0.006	PASS
Band38	10	37800	50	#0	QPSK	NV	-10	19.13	0.007	PASS
Band38	10	37800	50	#0	QPSK	NV	0	22.02	0.009	PASS
Band38	10	37800	50	#0	QPSK	NV	10	19.64	0.008	PASS
Band38	10	37800	50	#0	QPSK	NV	20	19.78	0.008	PASS
Band38	10	37800	50	#0	QPSK	NV	30	18.91	0.007	PASS
Band38	10	37800	50	#0	QPSK	NV	40	18.35	0.007	PASS
Band38	10	37800	50	#0	QPSK	NV	50	16.28	0.006	PASS
Band38	10	37800	50	#0	16QAM	NV	-30	9.41	0.004	PASS
Band38	10	37800	50	#0	16QAM	NV	-20	6.72	0.003	PASS
Band38	10	37800	50	#0	16QAM	NV	-10	-0.49	0.000	PASS
Band38	10	37800	50	#0	16QAM	NV	0	-7.95	-0.003	PASS
Band38	10	37800	50	#0	16QAM	NV	10	-11.26	-0.004	PASS
Band38	10	37800	50	#0	16QAM	NV	20	-15.23	-0.006	PASS
Band38	10	37800	50	#0	16QAM	NV	30	-21.62	-0.008	PASS
Band38	10	37800	50	#0	16QAM	NV	40	-22.59	-0.009	PASS
Band38	10	37800	50	#0	16QAM	NV	50	-25.41	-0.010	PASS
Band38	10	38000	50	#0	QPSK	NV	-30	0.72	0.000	PASS
Band38	10	38000	50	#0	QPSK	NV	-20	4.49	0.002	PASS
Band38	10	38000	50	#0	QPSK	NV	-10	8.27	0.003	PASS
Band38	10	38000	50	#0	QPSK	NV	0	13.35	0.005	PASS
Band38	10	38000	50	#0	QPSK	NV	10	16.75	0.006	PASS
Band38	10	38000	50	#0	QPSK	NV	20	19.40	0.007	PASS
Band38	10	38000	50	#0	QPSK	NV	30	15.61	0.006	PASS
Band38	10	38000	50	#0	QPSK	NV	40	12.33	0.005	PASS
Band38	10	38000	50	#0	QPSK	NV	50	12.59	0.005	PASS
Band38	10	38000	50	#0	16QAM	NV	-30	2.13	0.001	PASS
Band38	10	38000	50	#0	16QAM	NV	-20	-0.29	0.000	PASS
Band38	10	38000	50	#0	16QAM	NV	-10	-4.96	-0.002	PASS
Band38	10	38000	50	#0	16QAM	NV	0	-4.23	-0.002	PASS
Band38	10	38000	50	#0	16QAM	NV	10	-6.90	-0.003	PASS
Band38	10	38000	50	#0	16QAM	NV	20	-0.40	0.000	PASS
Band38	10	38000	50	#0	16QAM	NV	30	4.86	0.002	PASS
Band38	10	38000	50	#0	16QAM	NV	40	2.00	0.001	PASS
Band38	10	38000	50	#0	16QAM	NV	50	4.68	0.002	PASS
Band38	10	38200	50	#0	QPSK	NV	-30	-45.28	-0.017	PASS
Band38	10	38200	50	#0	QPSK	NV	-20	-49.44	-0.019	PASS

Band38	10	38200	50	#0	QPSK	NV	-10	-48.18	-0.018	PASS
Band38	10	38200	50	#0	QPSK	NV	0	-47.12	-0.018	PASS
Band38	10	38200	50	#0	QPSK	NV	10	-43.47	-0.017	PASS
Band38	10	38200	50	#0	QPSK	NV	20	-45.05	-0.017	PASS
Band38	10	38200	50	#0	QPSK	NV	30	-41.26	-0.016	PASS
Band38	10	38200	50	#0	QPSK	NV	40	-40.47	-0.015	PASS
Band38	10	38200	50	#0	QPSK	NV	50	-37.54	-0.014	PASS
Band38	10	38200	50	#0	16QAM	NV	-30	-38.11	-0.015	PASS
Band38	10	38200	50	#0	16QAM	NV	-20	-29.95	-0.011	PASS
Band38	10	38200	50	#0	16QAM	NV	-10	-24.98	-0.010	PASS
Band38	10	38200	50	#0	16QAM	NV	0	-13.15	-0.005	PASS
Band38	10	38200	50	#0	16QAM	NV	10	2.57	0.001	PASS
Band38	10	38200	50	#0	16QAM	NV	20	13.06	0.005	PASS
Band38	10	38200	50	#0	16QAM	NV	30	20.26	0.008	PASS
Band38	10	38200	50	#0	16QAM	NV	40	29.37	0.011	PASS
Band38	10	38200	50	#0	16QAM	NV	50	38.92	0.015	PASS
Band38	15	37825	75	#0	QPSK	NV	-30	-10.59	-0.004	PASS
Band38	15	37825	75	#0	QPSK	NV	-20	0.10	0.000	PASS
Band38	15	37825	75	#0	QPSK	NV	-10	5.21	0.002	PASS
Band38	15	37825	75	#0	QPSK	NV	0	2.76	0.001	PASS
Band38	15	37825	75	#0	QPSK	NV	10	1.19	0.000	PASS
Band38	15	37825	75	#0	QPSK	NV	20	0.09	0.000	PASS
Band38	15	37825	75	#0	QPSK	NV	30	-0.74	0.000	PASS
Band38	15	37825	75	#0	QPSK	NV	40	1.27	0.000	PASS
Band38	15	37825	75	#0	QPSK	NV	50	10.37	0.004	PASS
Band38	15	37825	75	#0	16QAM	NV	-30	16.88	0.007	PASS
Band38	15	37825	75	#0	16QAM	NV	-20	17.84	0.007	PASS
Band38	15	37825	75	#0	16QAM	NV	-10	21.27	0.008	PASS
Band38	15	37825	75	#0	16QAM	NV	0	19.57	0.008	PASS
Band38	15	37825	75	#0	16QAM	NV	10	20.83	0.008	PASS
Band38	15	37825	75	#0	16QAM	NV	20	22.86	0.009	PASS
Band38	15	37825	75	#0	16QAM	NV	30	18.67	0.007	PASS
Band38	15	37825	75	#0	16QAM	NV	40	19.35	0.008	PASS
Band38	15	37825	75	#0	16QAM	NV	50	19.98	0.008	PASS
Band38	15	38000	75	#0	QPSK	NV	-30	10.46	0.004	PASS
Band38	15	38000	75	#0	QPSK	NV	-20	13.30	0.005	PASS
Band38	15	38000	75	#0	QPSK	NV	-10	10.90	0.004	PASS
Band38	15	38000	75	#0	QPSK	NV	0	4.35	0.002	PASS
Band38	15	38000	75	#0	QPSK	NV	10	2.53	0.001	PASS
Band38	15	38000	75	#0	QPSK	NV	20	-4.12	-0.002	PASS
Band38	15	38000	75	#0	QPSK	NV	30	-5.87	-0.002	PASS
Band38	15	38000	75	#0	QPSK	NV	40	-2.65	-0.001	PASS
Band38	15	38000	75	#0	QPSK	NV	50	2.55	0.001	PASS

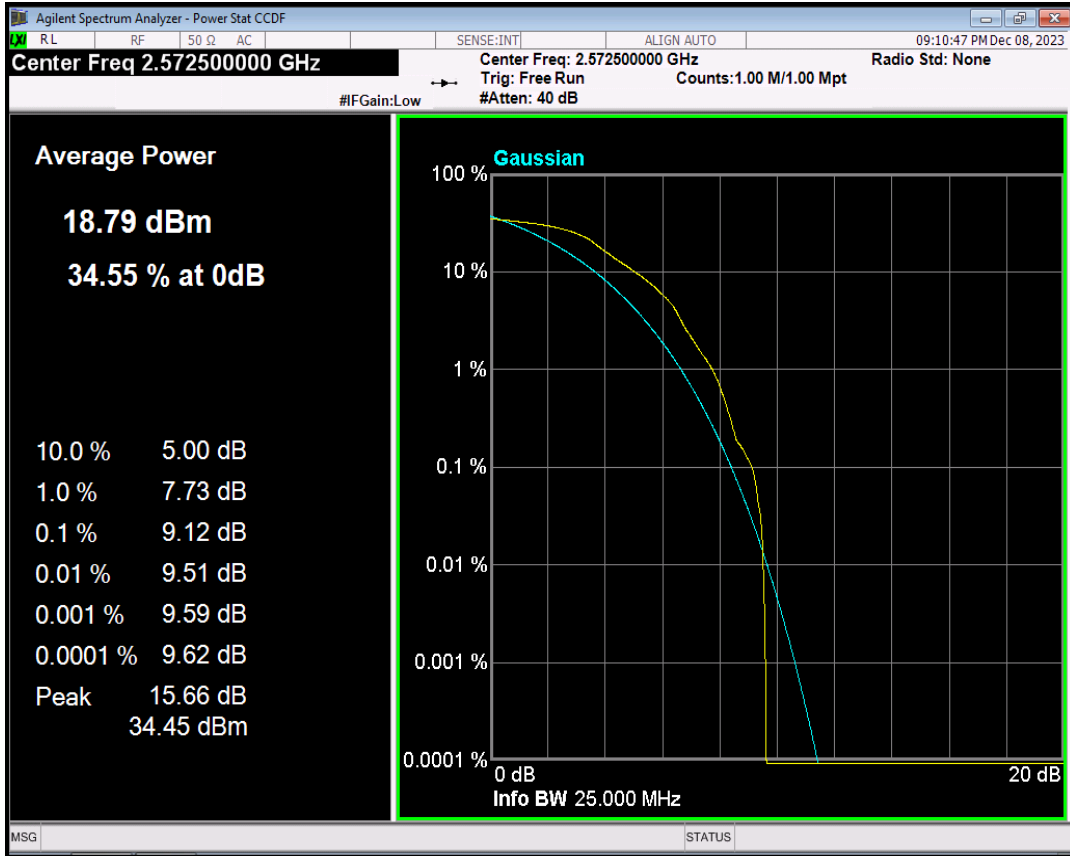
Band38	15	38000	75	#0	16QAM	NV	-30	4.19	0.002	PASS
Band38	15	38000	75	#0	16QAM	NV	-20	8.77	0.003	PASS
Band38	15	38000	75	#0	16QAM	NV	-10	11.46	0.004	PASS
Band38	15	38000	75	#0	16QAM	NV	0	17.54	0.007	PASS
Band38	15	38000	75	#0	16QAM	NV	10	30.17	0.012	PASS
Band38	15	38000	75	#0	16QAM	NV	20	33.89	0.013	PASS
Band38	15	38000	75	#0	16QAM	NV	30	42.93	0.017	PASS
Band38	15	38000	75	#0	16QAM	NV	40	44.62	0.017	PASS
Band38	15	38000	75	#0	16QAM	NV	50	17.80	0.007	PASS
Band38	15	38175	75	#0	QPSK	NV	-30	-22.56	-0.009	PASS
Band38	15	38175	75	#0	QPSK	NV	-20	-17.97	-0.007	PASS
Band38	15	38175	75	#0	QPSK	NV	-10	-16.22	-0.006	PASS
Band38	15	38175	75	#0	QPSK	NV	0	-15.65	-0.006	PASS
Band38	15	38175	75	#0	QPSK	NV	10	-14.00	-0.005	PASS
Band38	15	38175	75	#0	QPSK	NV	20	-7.37	-0.003	PASS
Band38	15	38175	75	#0	QPSK	NV	30	-11.56	-0.004	PASS
Band38	15	38175	75	#0	QPSK	NV	40	-6.61	-0.003	PASS
Band38	15	38175	75	#0	QPSK	NV	50	-4.78	-0.002	PASS
Band38	15	38175	75	#0	16QAM	NV	-30	6.54	0.003	PASS
Band38	15	38175	75	#0	16QAM	NV	-20	15.05	0.006	PASS
Band38	15	38175	75	#0	16QAM	NV	-10	32.54	0.012	PASS
Band38	15	38175	75	#0	16QAM	NV	0	27.54	0.011	PASS
Band38	15	38175	75	#0	16QAM	NV	10	-1.66	-0.001	PASS
Band38	15	38175	75	#0	16QAM	NV	20	13.46	0.005	PASS
Band38	15	38175	75	#0	16QAM	NV	30	24.40	0.009	PASS
Band38	15	38175	75	#0	16QAM	NV	40	37.19	0.014	PASS
Band38	15	38175	75	#0	16QAM	NV	50	39.02	0.015	PASS
Band38	20	37850	100	#0	QPSK	NV	-30	36.66	0.014	PASS
Band38	20	37850	100	#0	QPSK	NV	-20	18.51	0.007	PASS
Band38	20	37850	100	#0	QPSK	NV	-10	-6.31	-0.002	PASS
Band38	20	37850	100	#0	QPSK	NV	0	7.52	0.003	PASS
Band38	20	37850	100	#0	QPSK	NV	10	9.77	0.004	PASS
Band38	20	37850	100	#0	QPSK	NV	20	19.56	0.008	PASS
Band38	20	37850	100	#0	QPSK	NV	30	23.32	0.009	PASS
Band38	20	37850	100	#0	QPSK	NV	40	25.84	0.010	PASS
Band38	20	37850	100	#0	QPSK	NV	50	25.85	0.010	PASS
Band38	20	37850	100	#0	16QAM	NV	-30	28.71	0.011	PASS
Band38	20	37850	100	#0	16QAM	NV	-20	31.57	0.012	PASS
Band38	20	37850	100	#0	16QAM	NV	-10	32.93	0.013	PASS
Band38	20	37850	100	#0	16QAM	NV	0	41.50	0.016	PASS
Band38	20	37850	100	#0	16QAM	NV	10	13.19	0.005	PASS
Band38	20	37850	100	#0	16QAM	NV	20	21.94	0.009	PASS
Band38	20	37850	100	#0	16QAM	NV	30	30.74	0.012	PASS

Band38	20	37850	100	#0	16QAM	NV	40	38.38	0.015	PASS
Band38	20	37850	100	#0	16QAM	NV	50	22.50	0.009	PASS
Band38	20	38000	100	#0	QPSK	NV	-30	18.53	0.007	PASS
Band38	20	38000	100	#0	QPSK	NV	-20	21.04	0.008	PASS
Band38	20	38000	100	#0	QPSK	NV	-10	31.73	0.012	PASS
Band38	20	38000	100	#0	QPSK	NV	0	38.90	0.015	PASS
Band38	20	38000	100	#0	QPSK	NV	10	10.03	0.004	PASS
Band38	20	38000	100	#0	QPSK	NV	20	10.54	0.004	PASS
Band38	20	38000	100	#0	QPSK	NV	30	10.53	0.004	PASS
Band38	20	38000	100	#0	QPSK	NV	40	10.06	0.004	PASS
Band38	20	38000	100	#0	QPSK	NV	50	16.98	0.007	PASS
Band38	20	38000	100	#0	16QAM	NV	-30	21.01	0.008	PASS
Band38	20	38000	100	#0	16QAM	NV	-20	23.56	0.009	PASS
Band38	20	38000	100	#0	16QAM	NV	-10	23.07	0.009	PASS
Band38	20	38000	100	#0	16QAM	NV	0	19.78	0.008	PASS
Band38	20	38000	100	#0	16QAM	NV	10	9.50	0.004	PASS
Band38	20	38000	100	#0	16QAM	NV	20	4.71	0.002	PASS
Band38	20	38000	100	#0	16QAM	NV	30	1.23	0.000	PASS
Band38	20	38000	100	#0	16QAM	NV	40	-3.89	-0.001	PASS
Band38	20	38000	100	#0	16QAM	NV	50	-4.21	-0.002	PASS
Band38	20	38150	100	#0	QPSK	NV	-30	-19.01	-0.007	PASS
Band38	20	38150	100	#0	QPSK	NV	-20	-16.54	-0.006	PASS
Band38	20	38150	100	#0	QPSK	NV	-10	-7.84	-0.003	PASS
Band38	20	38150	100	#0	QPSK	NV	0	-3.46	-0.001	PASS
Band38	20	38150	100	#0	QPSK	NV	10	1.99	0.001	PASS
Band38	20	38150	100	#0	QPSK	NV	20	10.31	0.004	PASS
Band38	20	38150	100	#0	QPSK	NV	30	14.23	0.005	PASS
Band38	20	38150	100	#0	QPSK	NV	40	15.21	0.006	PASS
Band38	20	38150	100	#0	QPSK	NV	50	18.04	0.007	PASS
Band38	20	38150	100	#0	16QAM	NV	-30	17.98	0.007	PASS
Band38	20	38150	100	#0	16QAM	NV	-20	19.83	0.008	PASS
Band38	20	38150	100	#0	16QAM	NV	-10	11.29	0.004	PASS
Band38	20	38150	100	#0	16QAM	NV	0	9.16	0.004	PASS
Band38	20	38150	100	#0	16QAM	NV	10	13.80	0.005	PASS
Band38	20	38150	100	#0	16QAM	NV	20	17.71	0.007	PASS
Band38	20	38150	100	#0	16QAM	NV	30	17.02	0.007	PASS
Band38	20	38150	100	#0	16QAM	NV	40	18.91	0.007	PASS
Band38	20	38150	100	#0	16QAM	NV	50	23.17	0.009	PASS

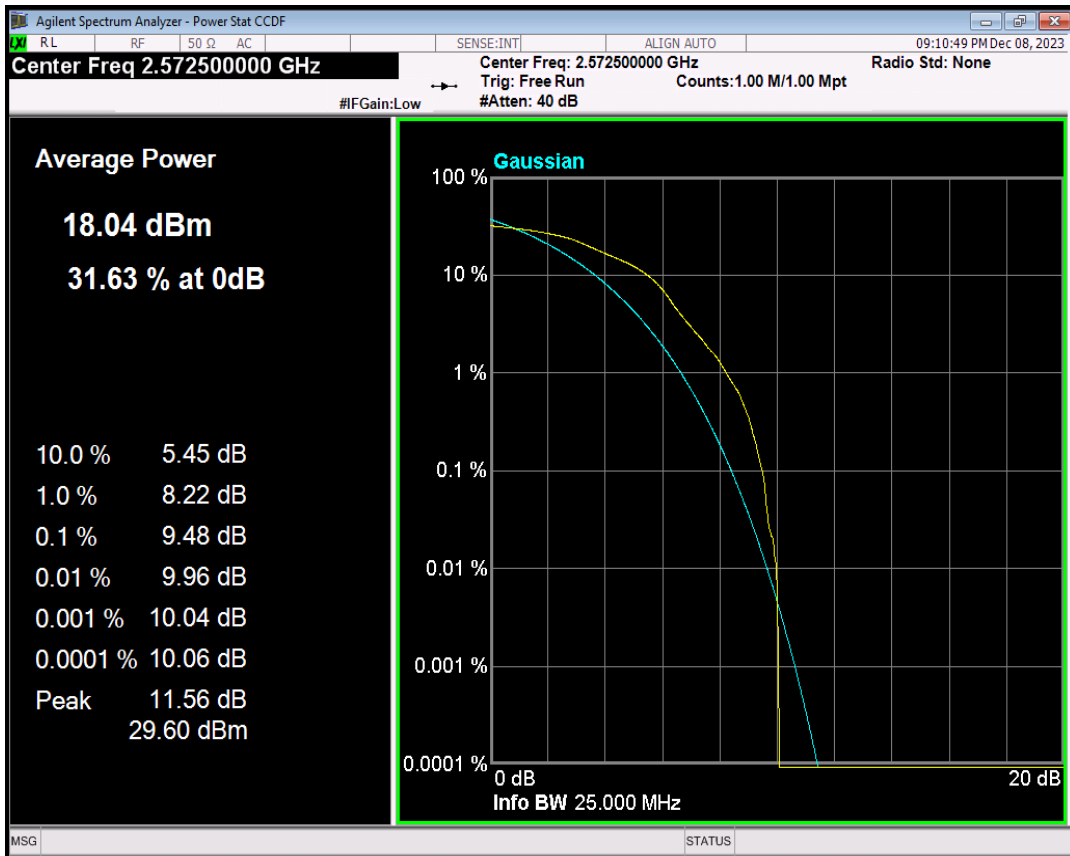
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band38	5	37775	1	#0	QPSK	9.12	13	PASS
Band38	5	37775	1	#0	16QAM	9.48	13	PASS
Band38	5	38000	1	#0	QPSK	9.07	13	PASS
Band38	5	38000	1	#0	16QAM	9.74	13	PASS
Band38	5	38225	1	#0	QPSK	7.62	13	PASS
Band38	5	38225	1	#0	16QAM	11.27	13	PASS
Band38	10	37800	1	#0	QPSK	8.91	13	PASS
Band38	10	37800	1	#0	16QAM	10.27	13	PASS
Band38	10	38000	1	#0	QPSK	10.67	13	PASS
Band38	10	38000	1	#0	16QAM	8.24	13	PASS
Band38	10	38200	1	#0	QPSK	10.66	13	PASS
Band38	10	38200	1	#0	16QAM	9.74	13	PASS
Band38	15	37825	1	#0	QPSK	9.93	13	PASS
Band38	15	37825	1	#0	16QAM	9.69	13	PASS
Band38	15	38000	1	#0	QPSK	11.36	13	PASS
Band38	15	38000	1	#0	16QAM	9.88	13	PASS
Band38	15	38175	1	#0	QPSK	9.64	13	PASS
Band38	15	38175	1	#0	16QAM	9.09	13	PASS
Band38	20	37850	1	#0	QPSK	9.66	13	PASS
Band38	20	37850	1	#0	16QAM	10.11	13	PASS
Band38	20	38000	1	#0	QPSK	8.25	13	PASS
Band38	20	38000	1	#0	16QAM	10.10	13	PASS
Band38	20	38150	1	#0	QPSK	8.92	13	PASS
Band38	20	38150	1	#0	16QAM	8.68	13	PASS

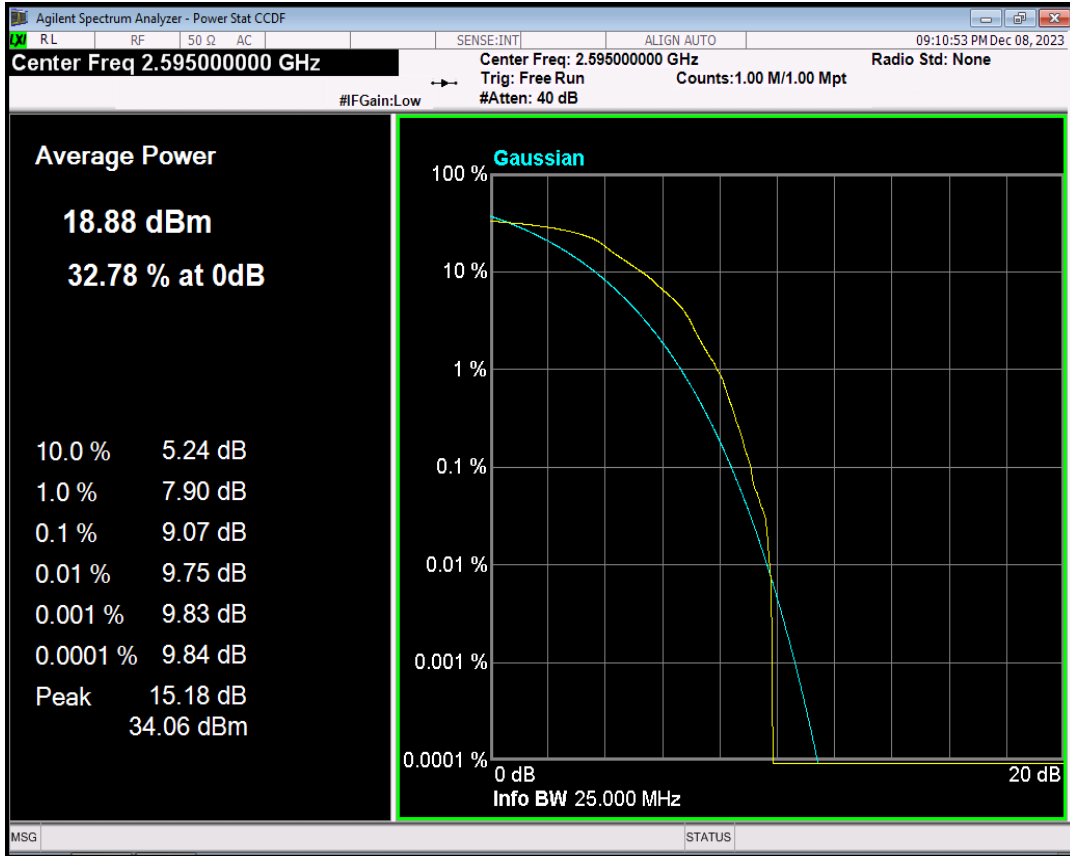
Band38 QPSK BW=5MHz Channel=37775 RB Size=1 Position=#0



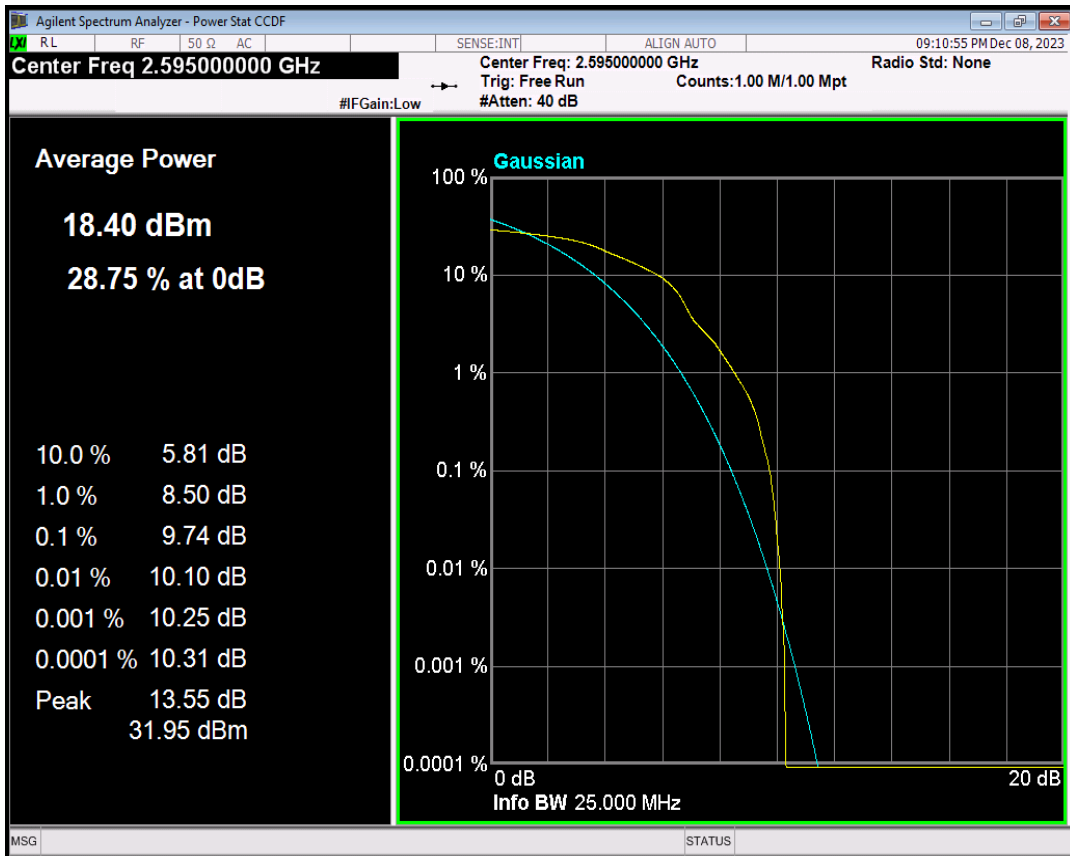
Band38 16QAM BW=5MHz Channel=37775 RB Size=1 Position=#0



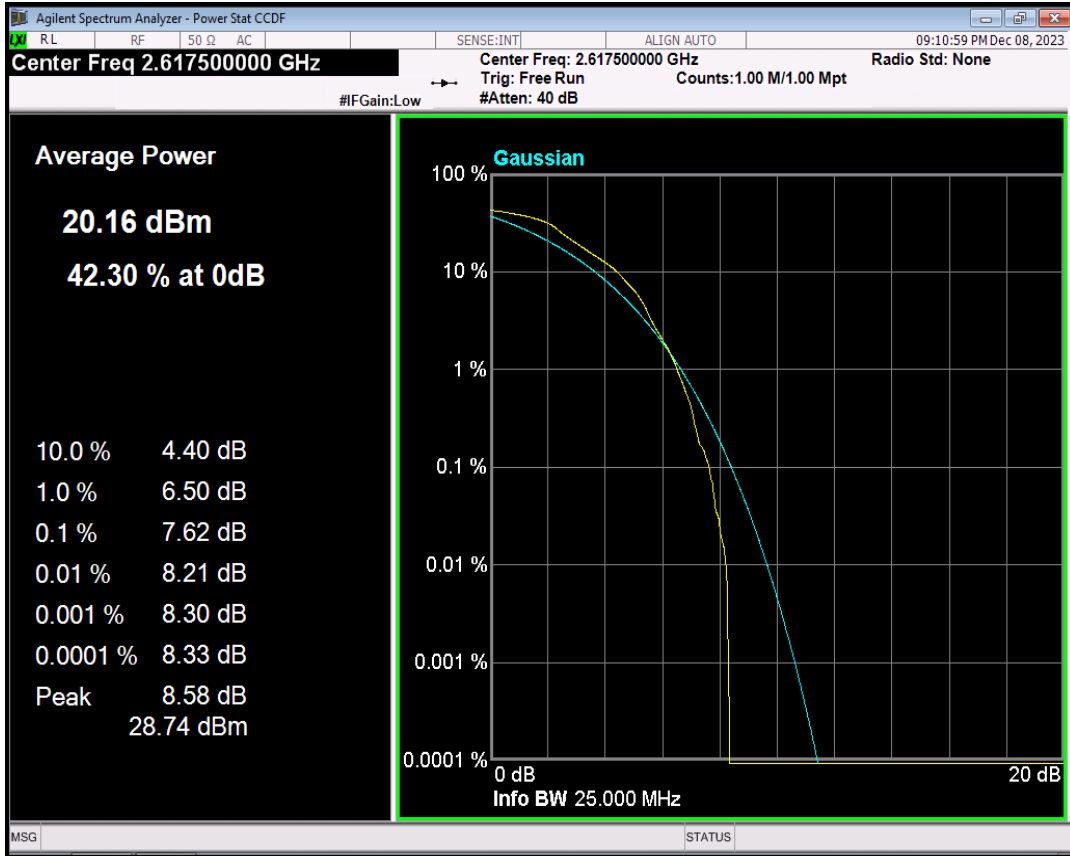
Band38 QPSK BW=5MHz Channel=38000 RB Size=1 Position=#0



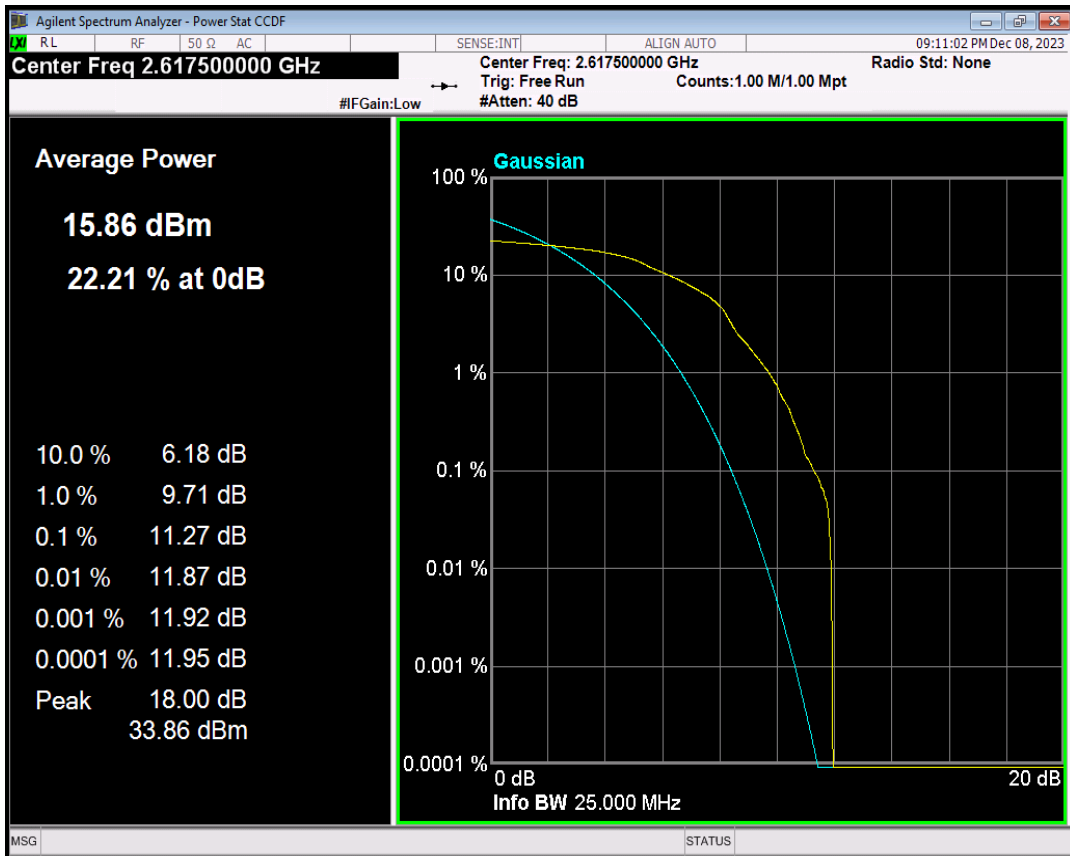
Band38 16QAM BW=5MHz Channel=38000 RB Size=1 Position=#0



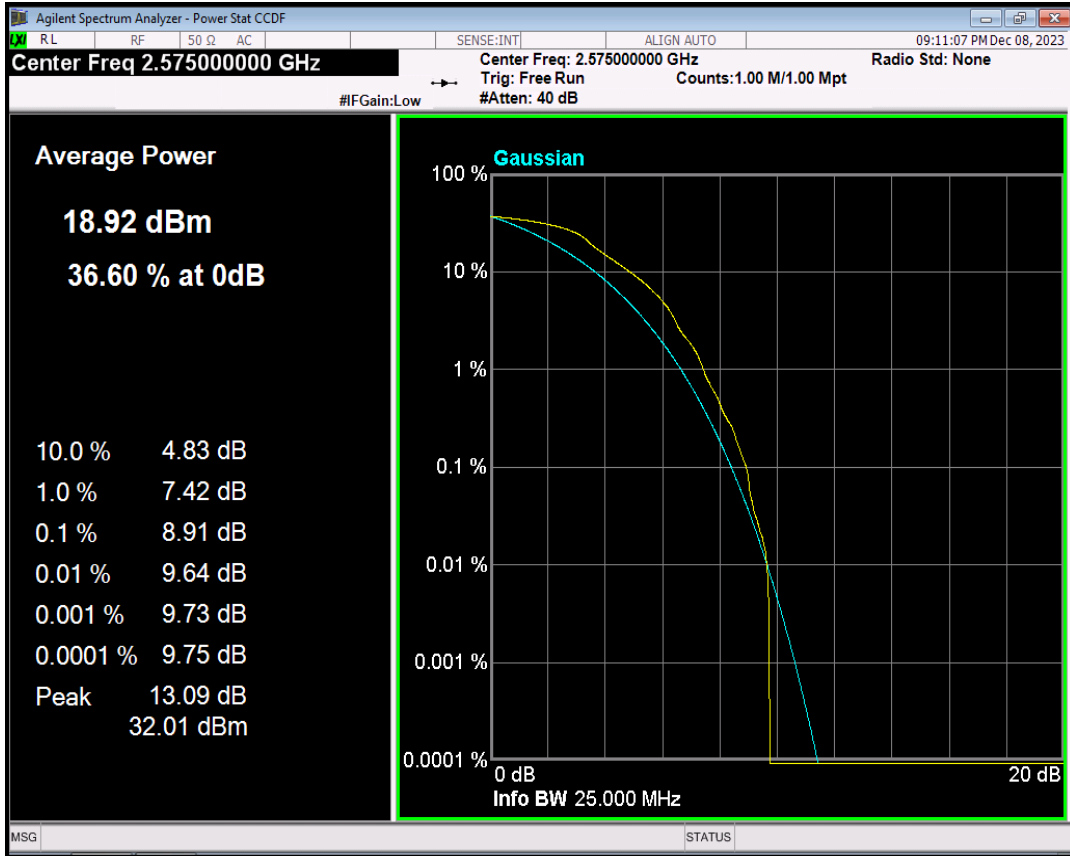
Band38 QPSK BW=5MHz Channel=38225 RB Size=1 Position=#0



Band38 16QAM BW=5MHz Channel=38225 RB Size=1 Position=#0



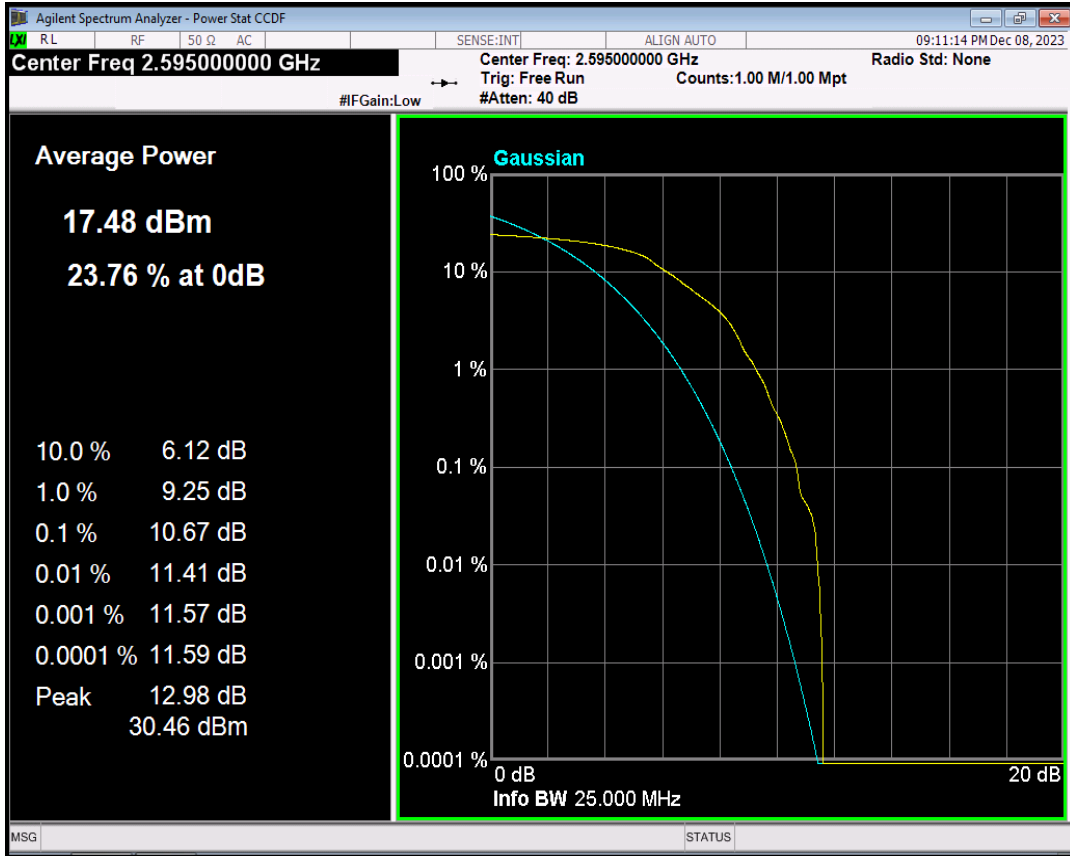
Band38 QPSK BW=10MHz Channel=37800 RB Size=1 Position=#0



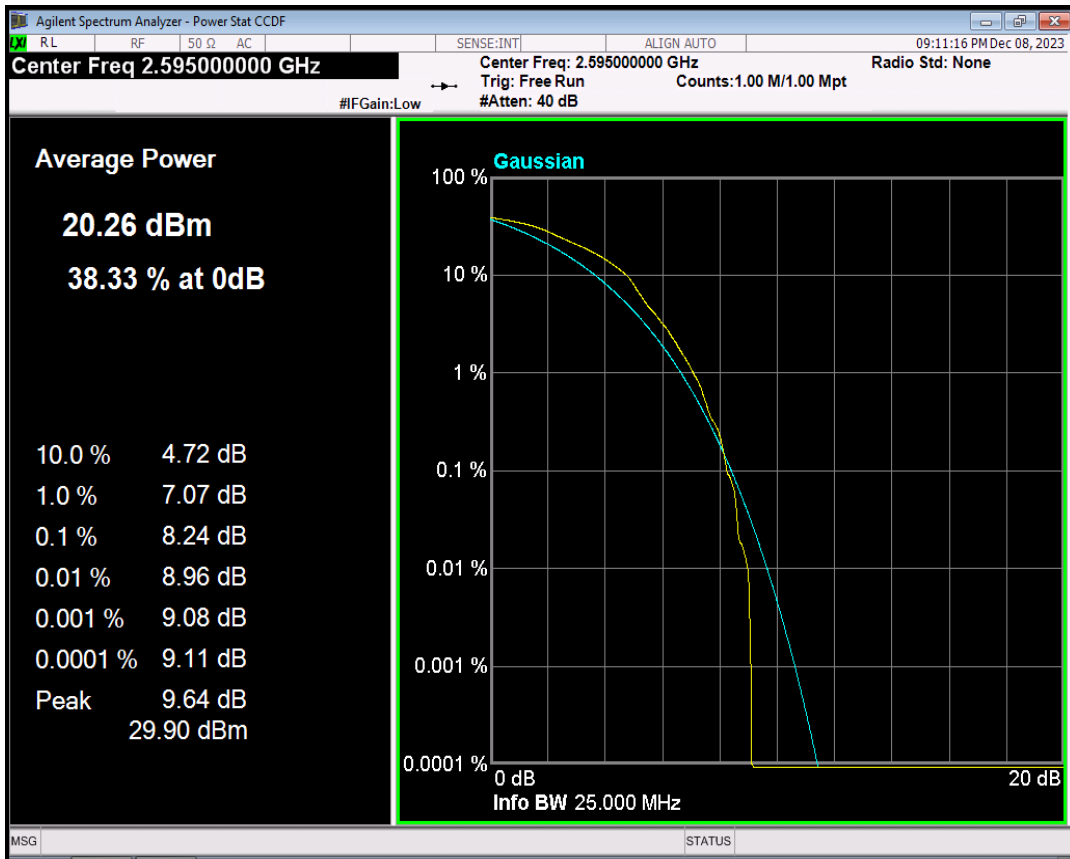
Band38 16QAM BW=10MHz Channel=37800 RB Size=1 Position=#0



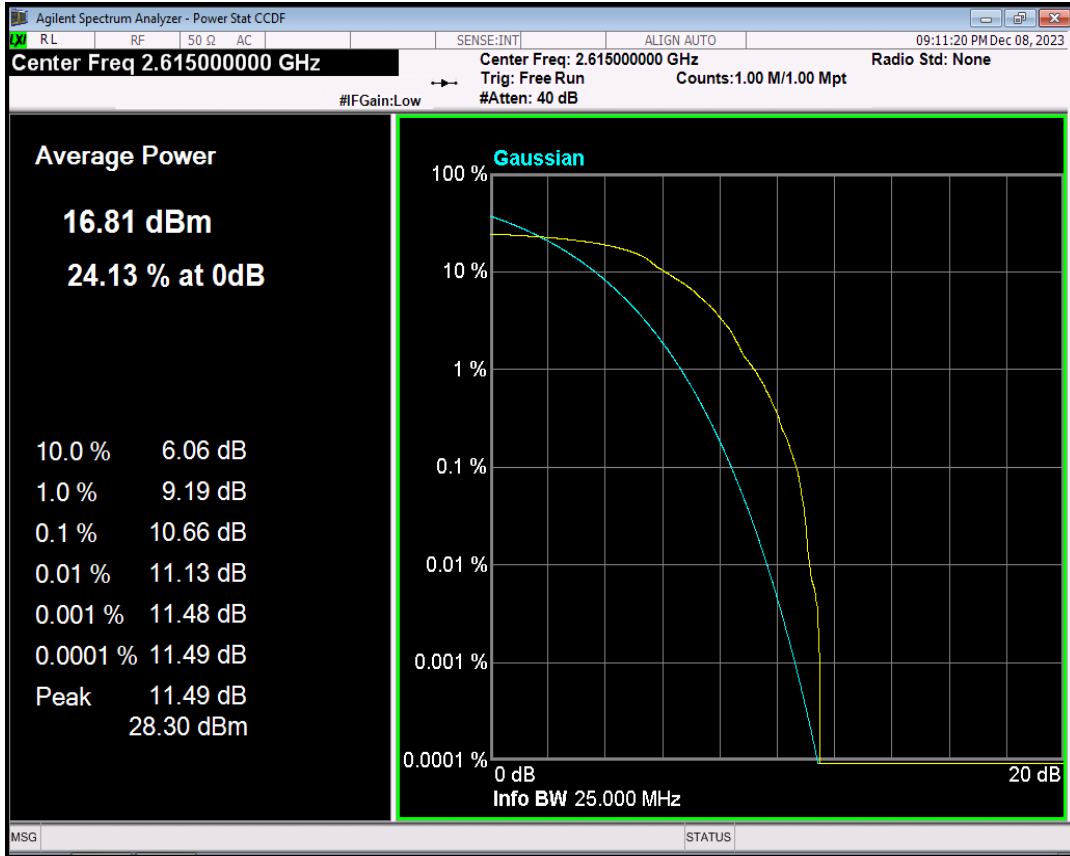
Band38 QPSK BW=10MHz Channel=38000 RB Size=1 Position=#0



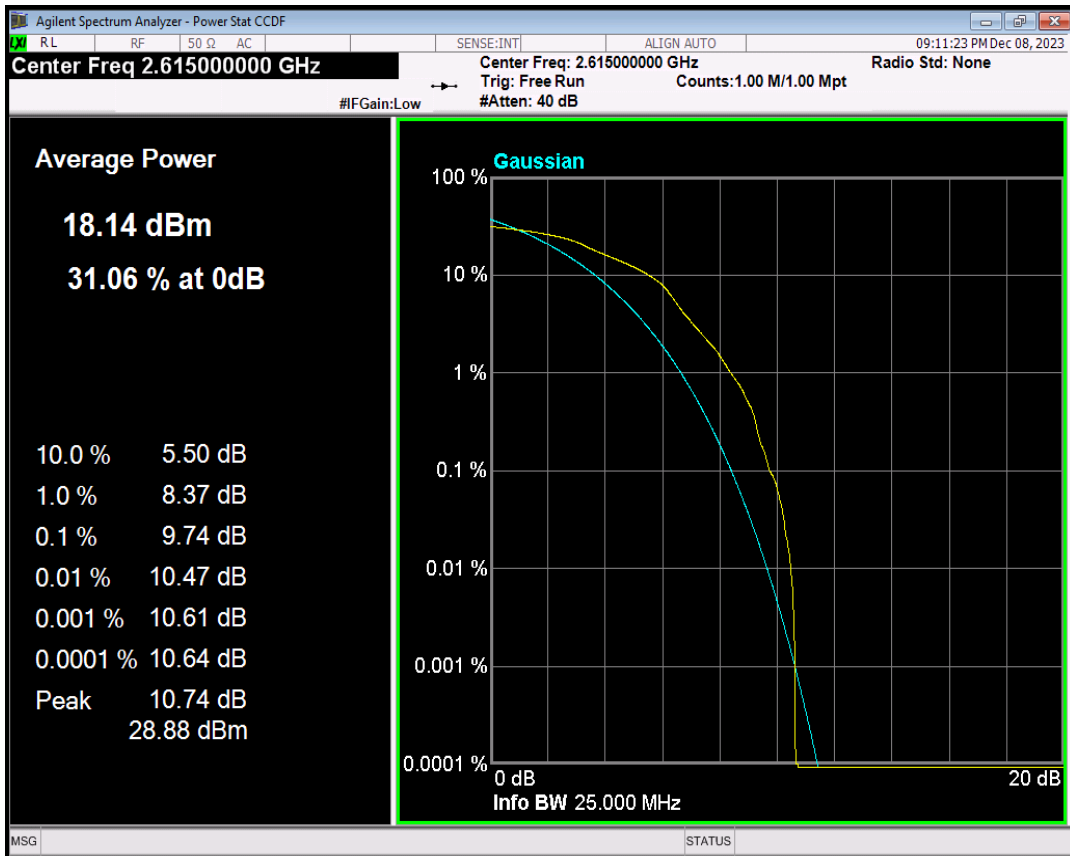
Band38 16QAM BW=10MHz Channel=38000 RB Size=1 Position=#0



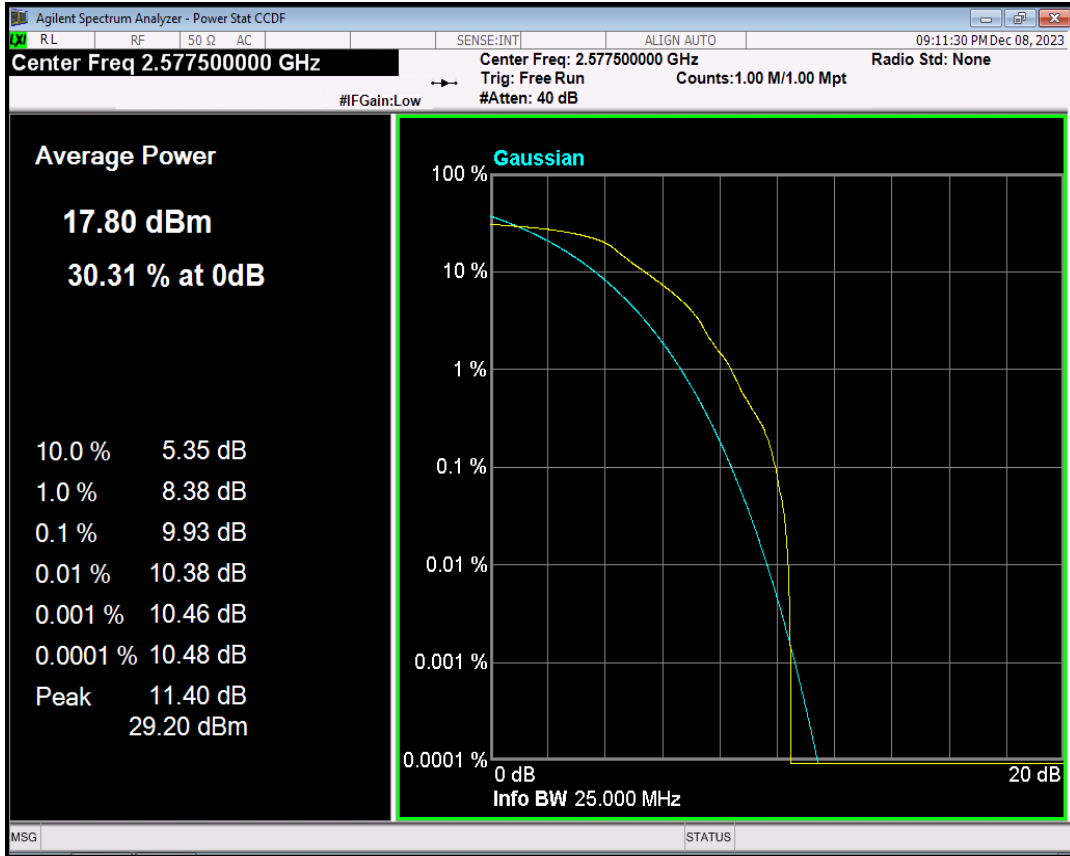
Band38 QPSK BW=10MHz Channel=38200 RB Size=1 Position=#0



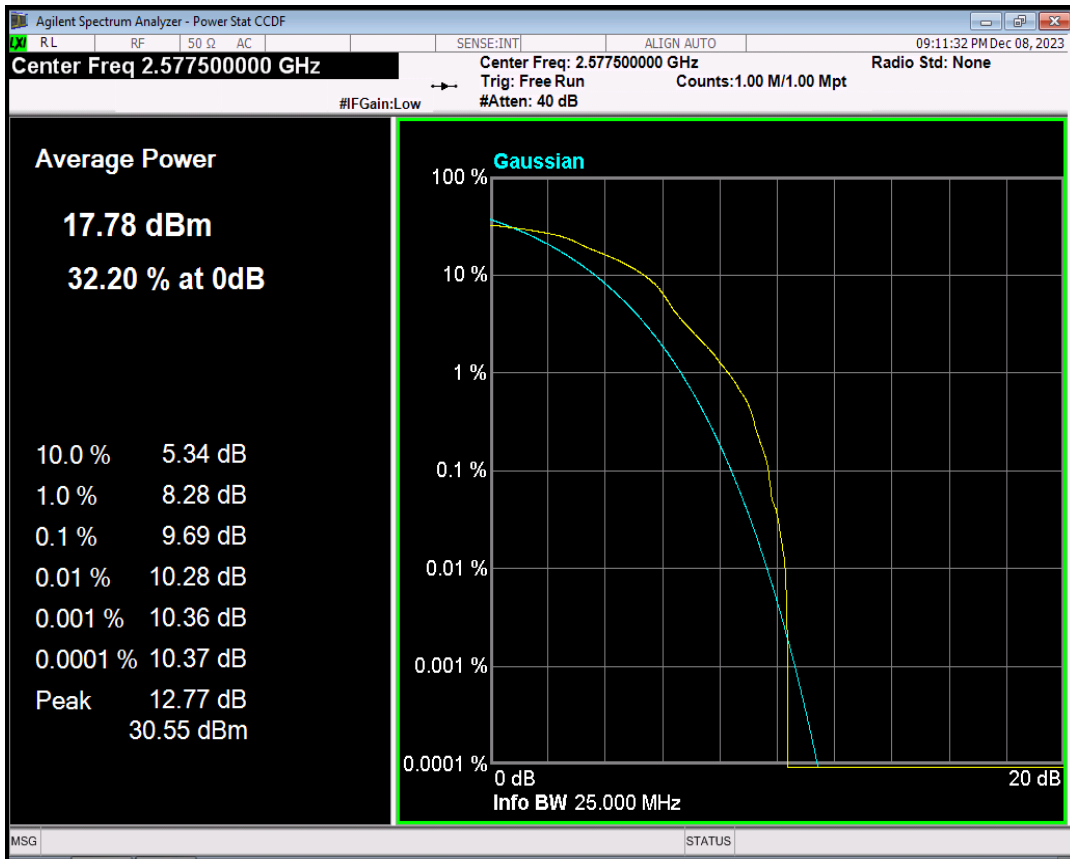
Band38 16QAM BW=10MHz Channel=38200 RB Size=1 Position=#0



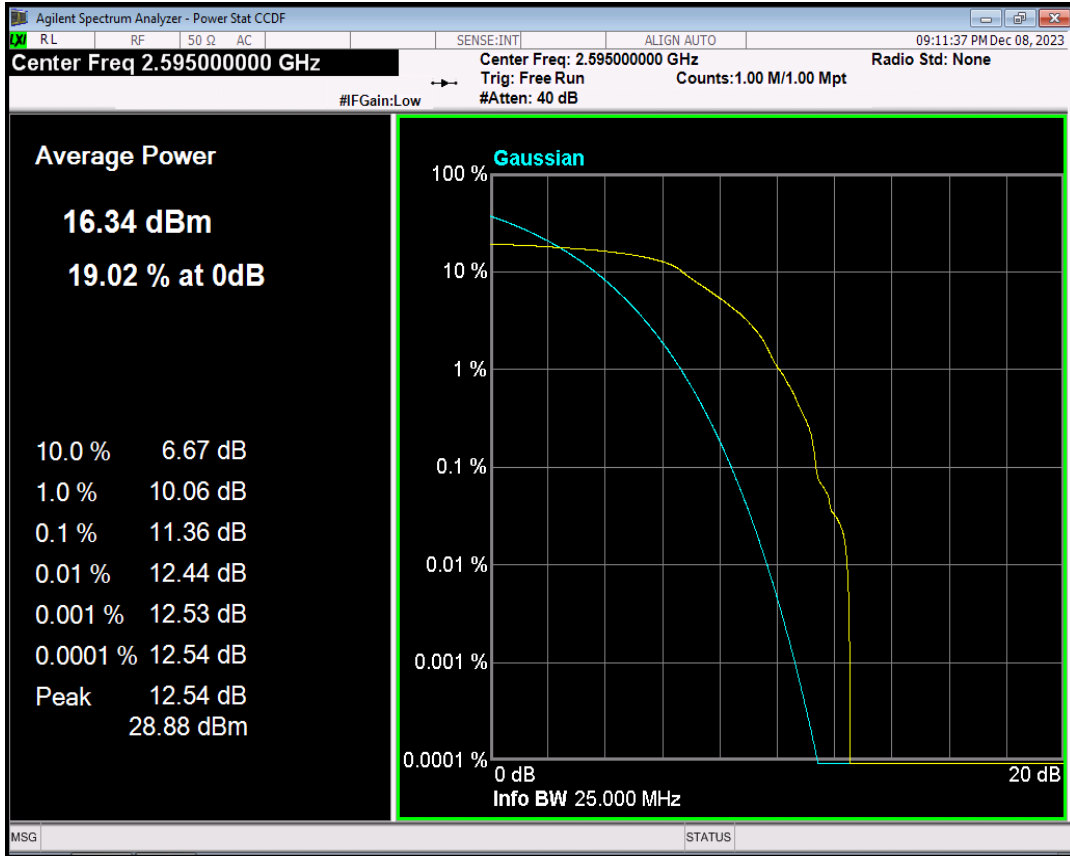
Band38 QPSK BW=15MHz Channel=37825 RB Size=1 Position=#0



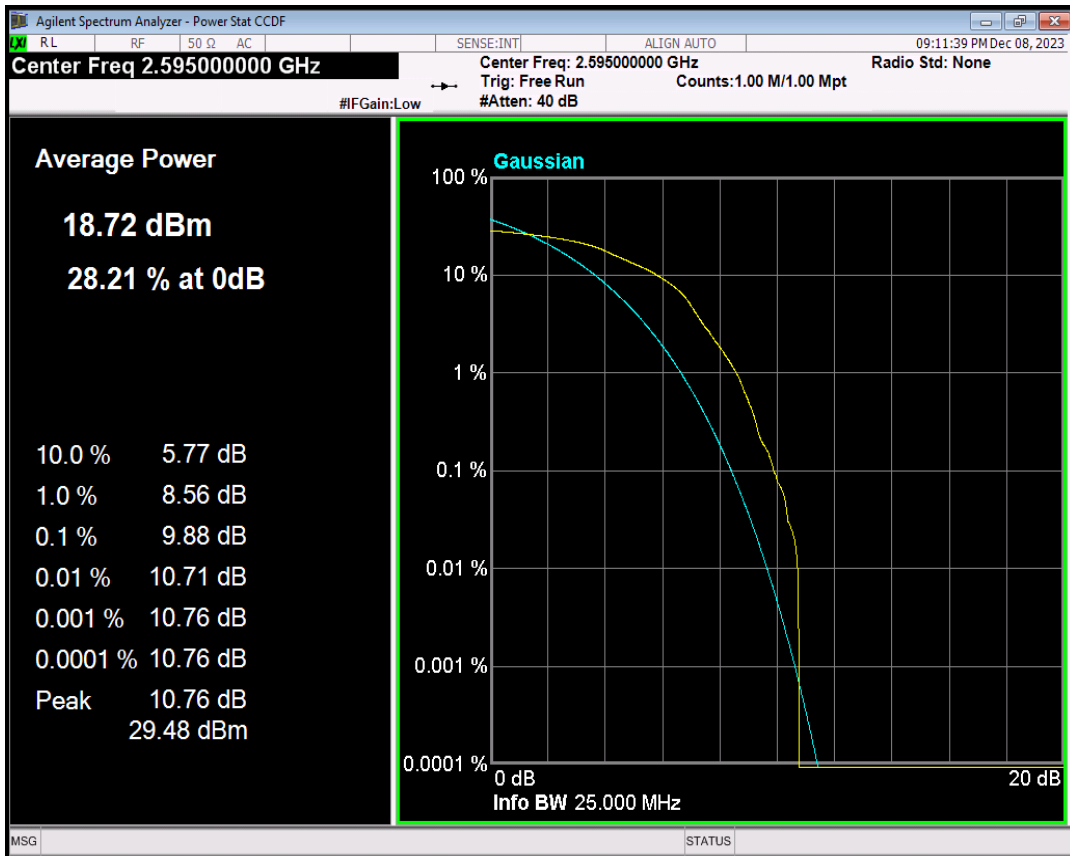
Band38 16QAM BW=15MHz Channel=37825 RB Size=1 Position=#0



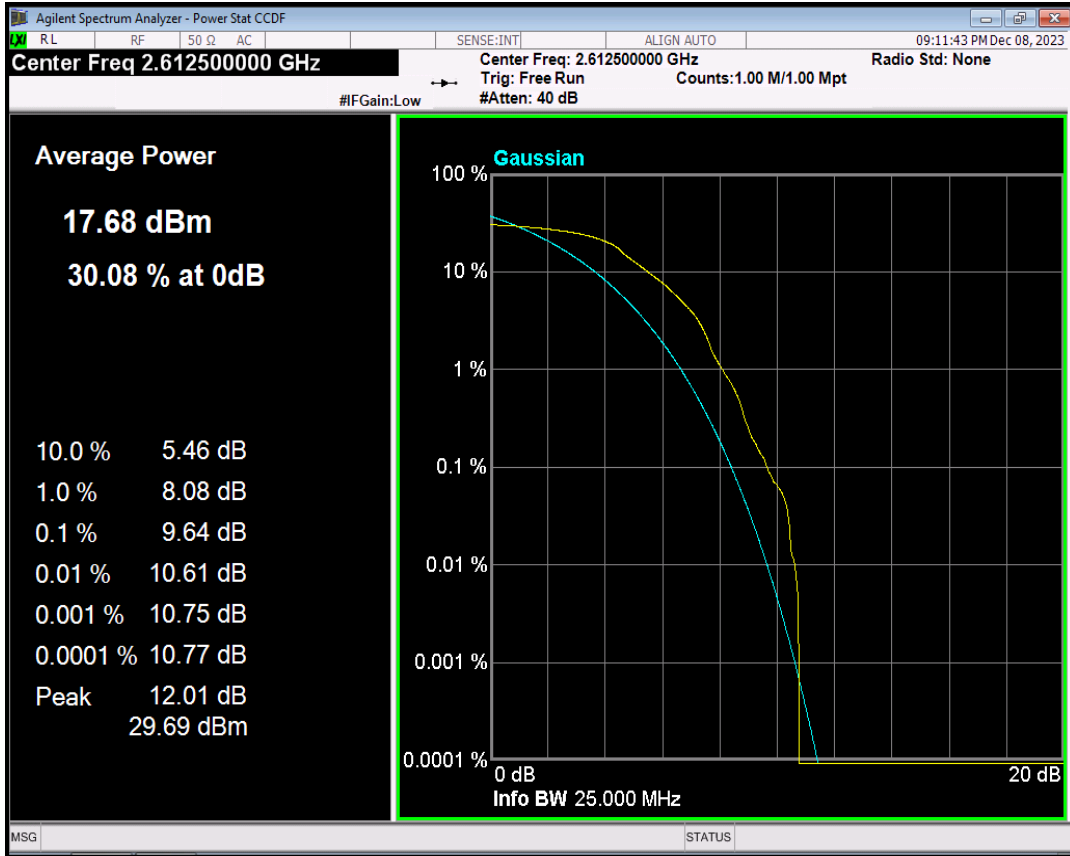
Band38 QPSK BW=15MHz Channel=38000 RB Size=1 Position=#0



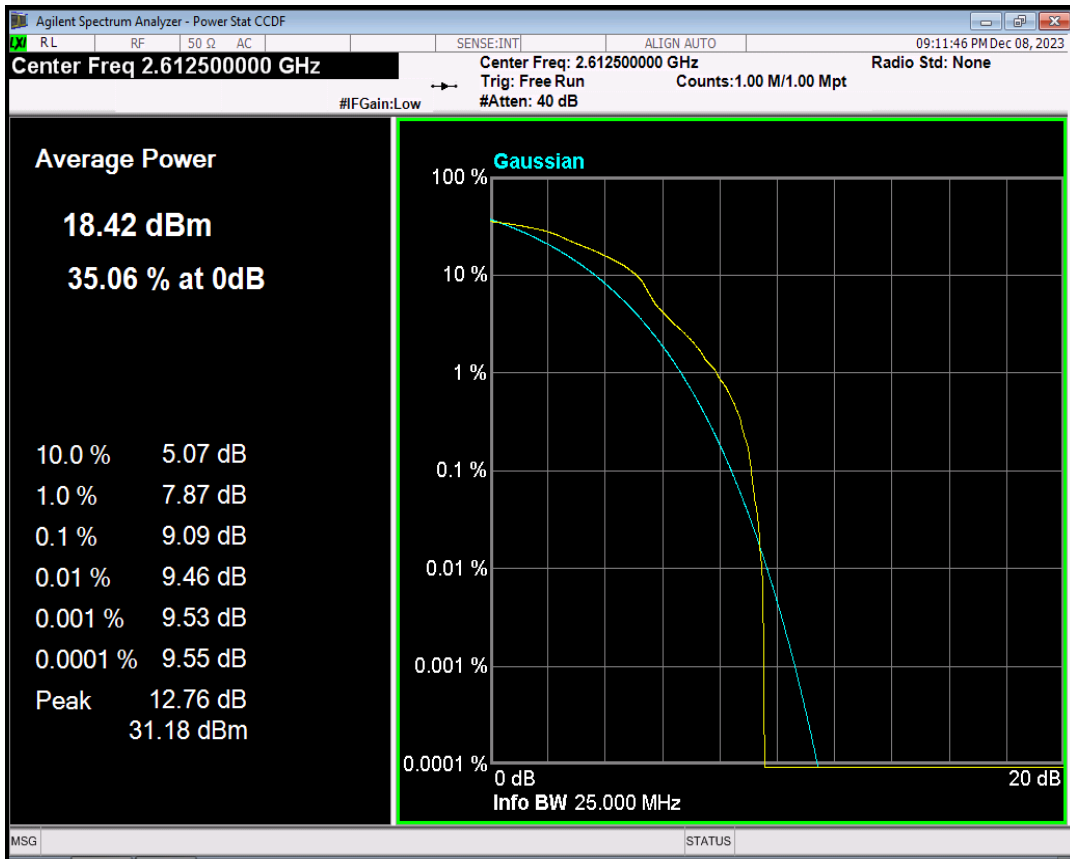
Band38 16QAM BW=15MHz Channel=38000 RB Size=1 Position=#0



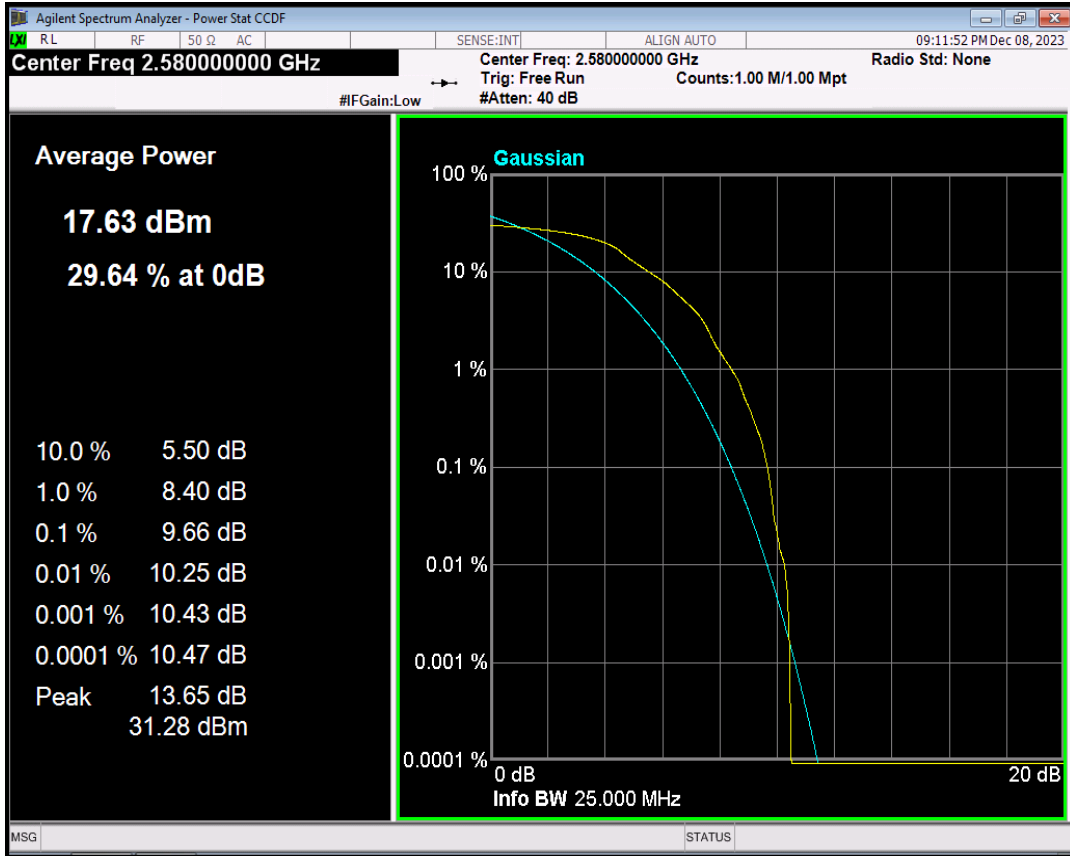
Band38 QPSK BW=15MHz Channel=38175 RB Size=1 Position=#0



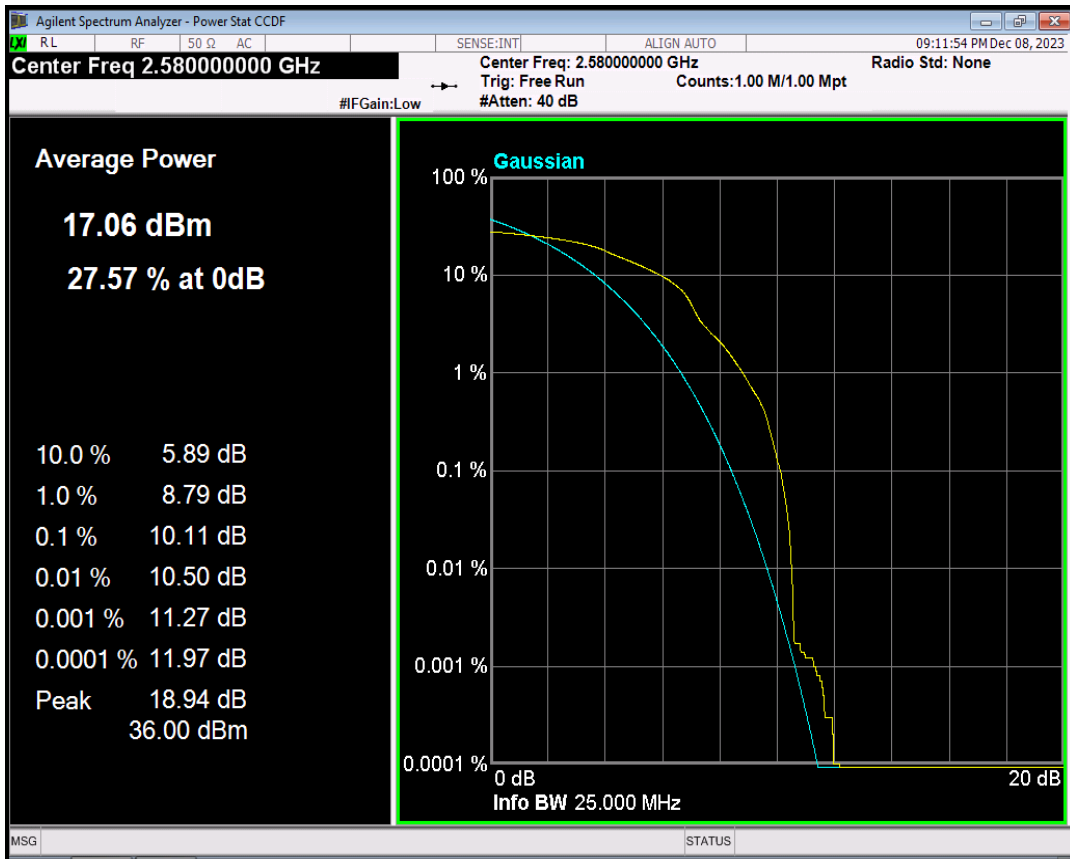
Band38 16QAM BW=15MHz Channel=38175 RB Size=1 Position=#0



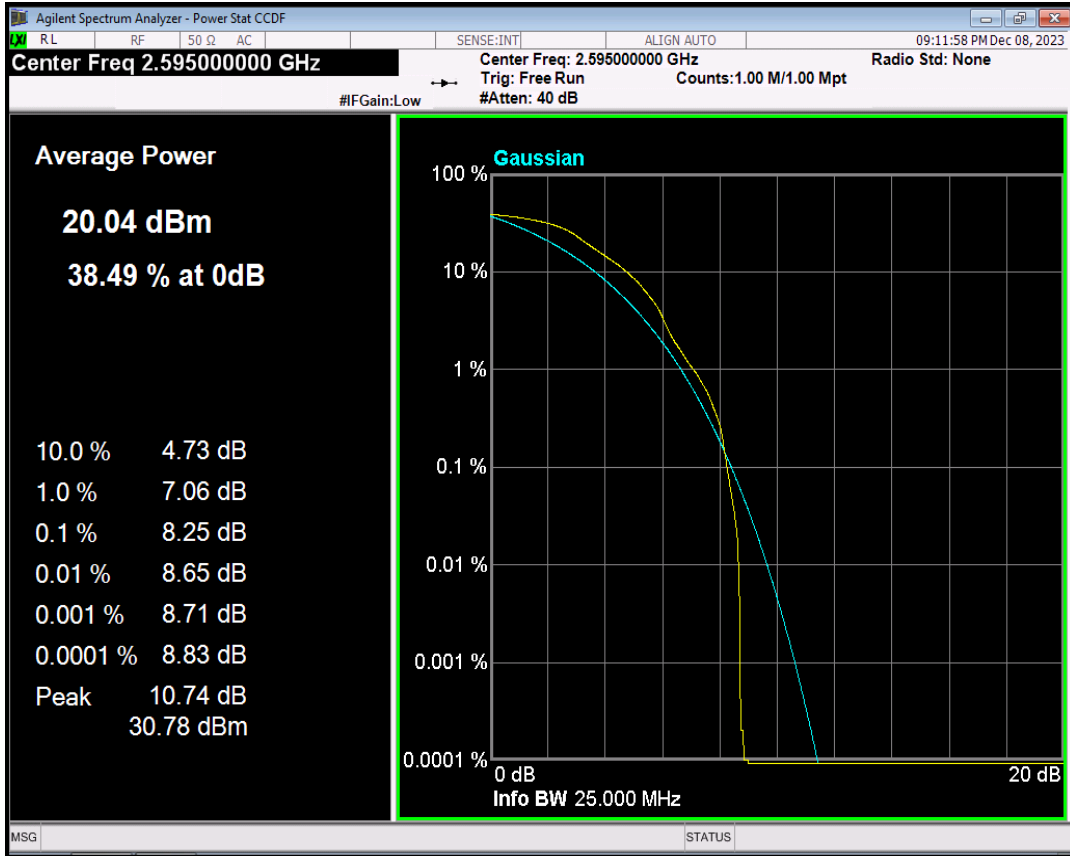
Band38 QPSK BW=20MHz Channel=37850 RB Size=1 Position=#0



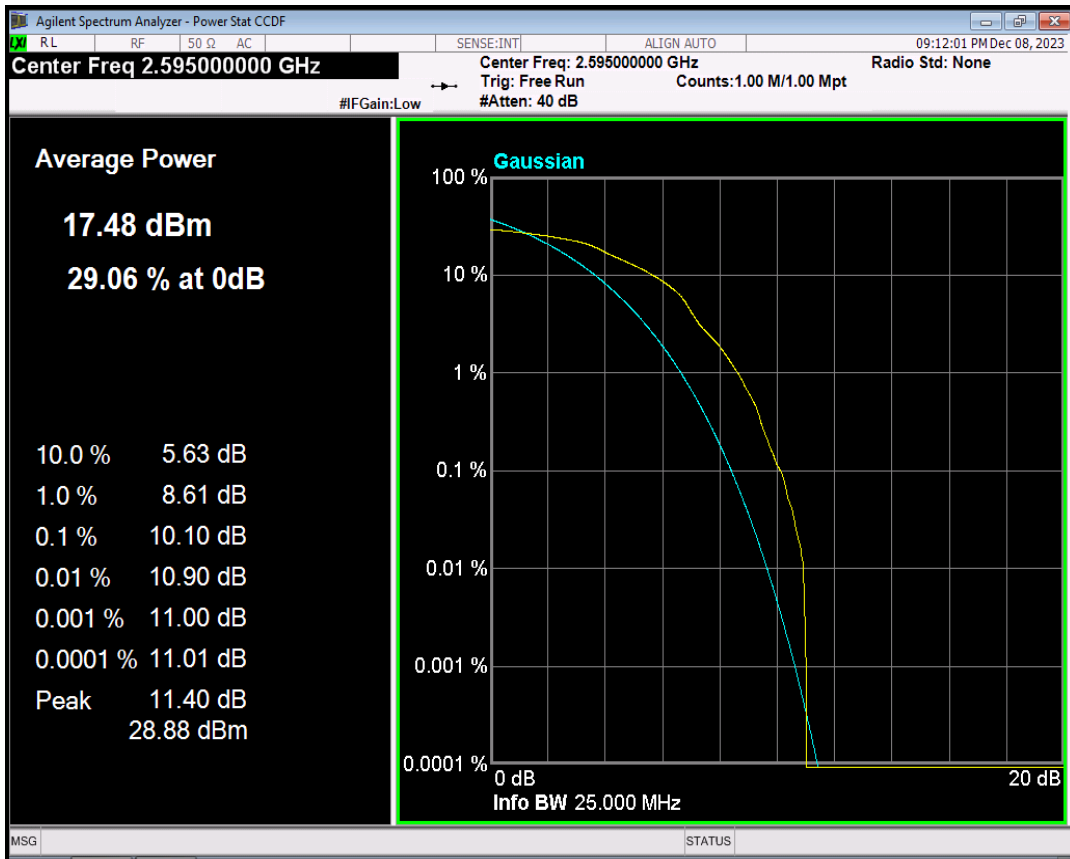
Band38 16QAM BW=20MHz Channel=37850 RB Size=1 Position=#0



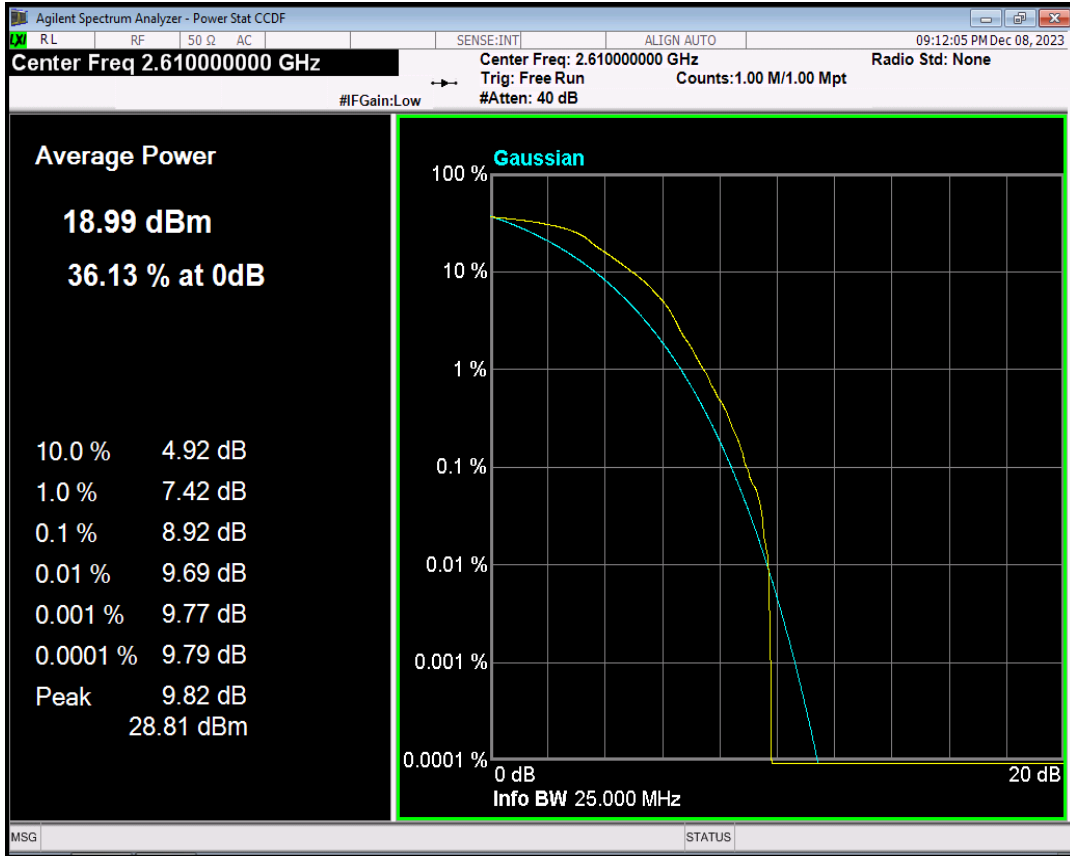
Band38 QPSK BW=20MHz Channel=38000 RB Size=1 Position=#0



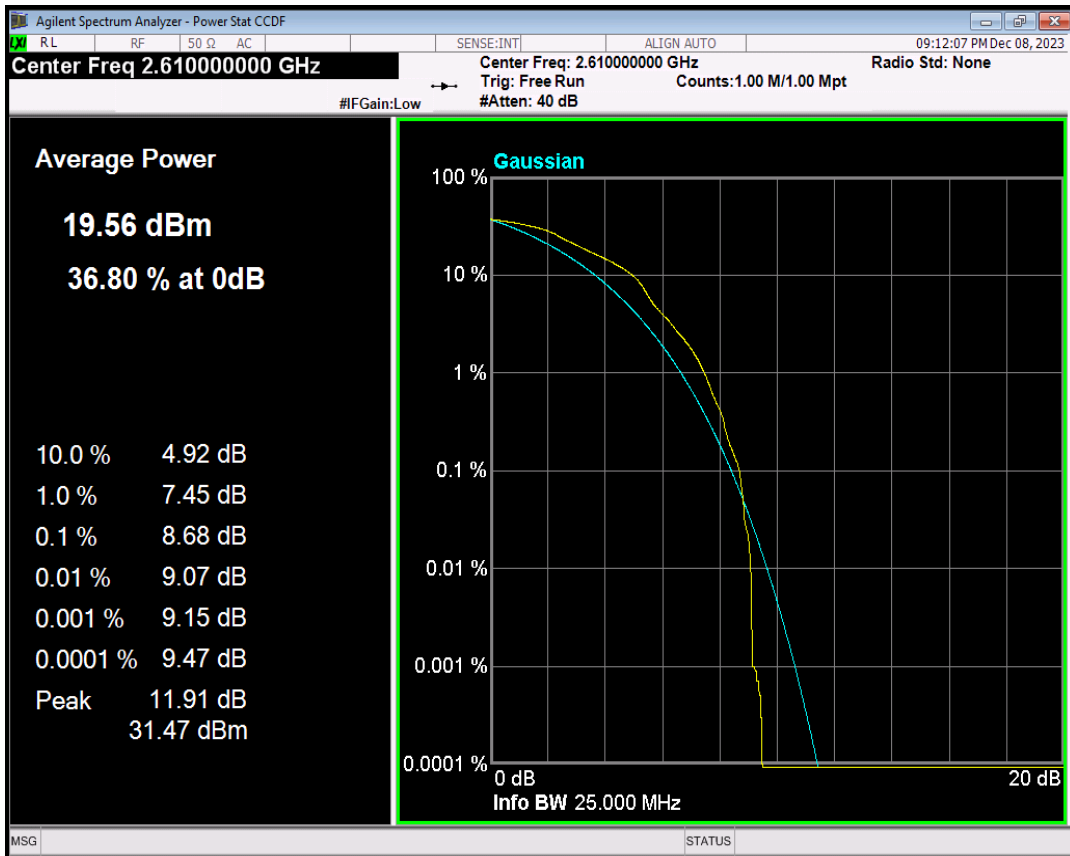
Band38 16QAM BW=20MHz Channel=38000 RB Size=1 Position=#0



Band38 QPSK BW=20MHz Channel=38150 RB Size=1 Position=#0



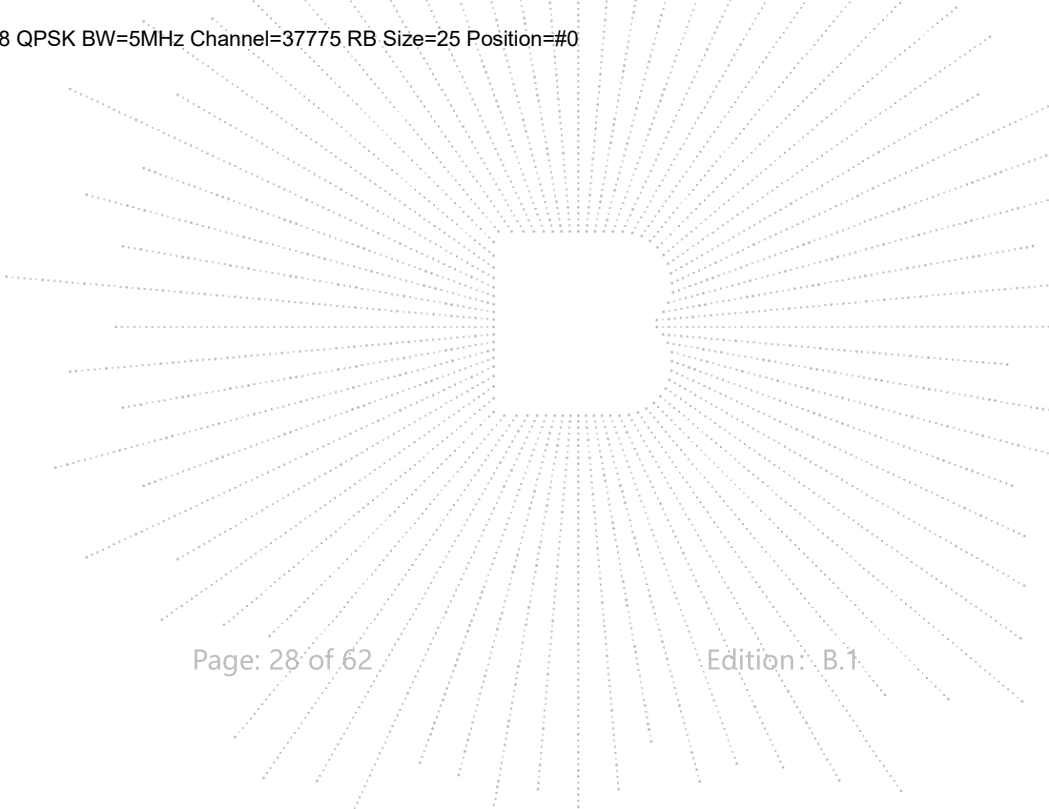
Band38 16QAM BW=20MHz Channel=38150 RB Size=1 Position=#0

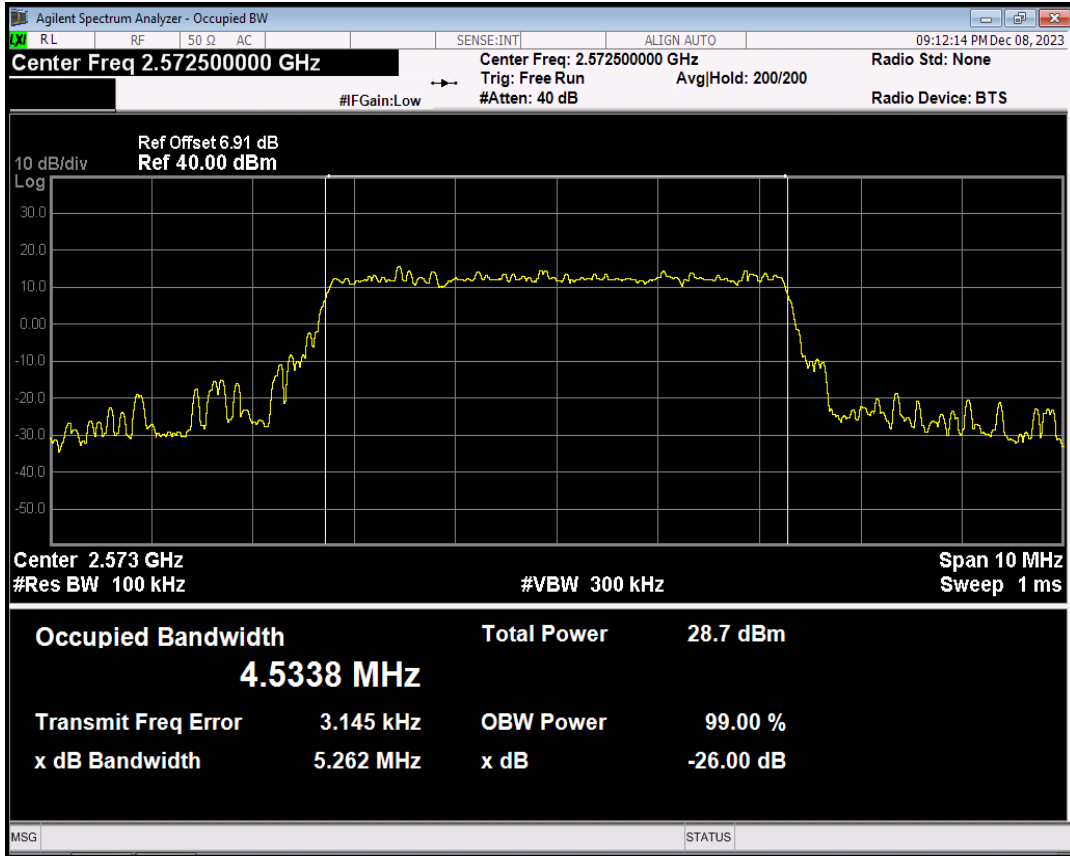


Appendix 4. Occupied bandwidth

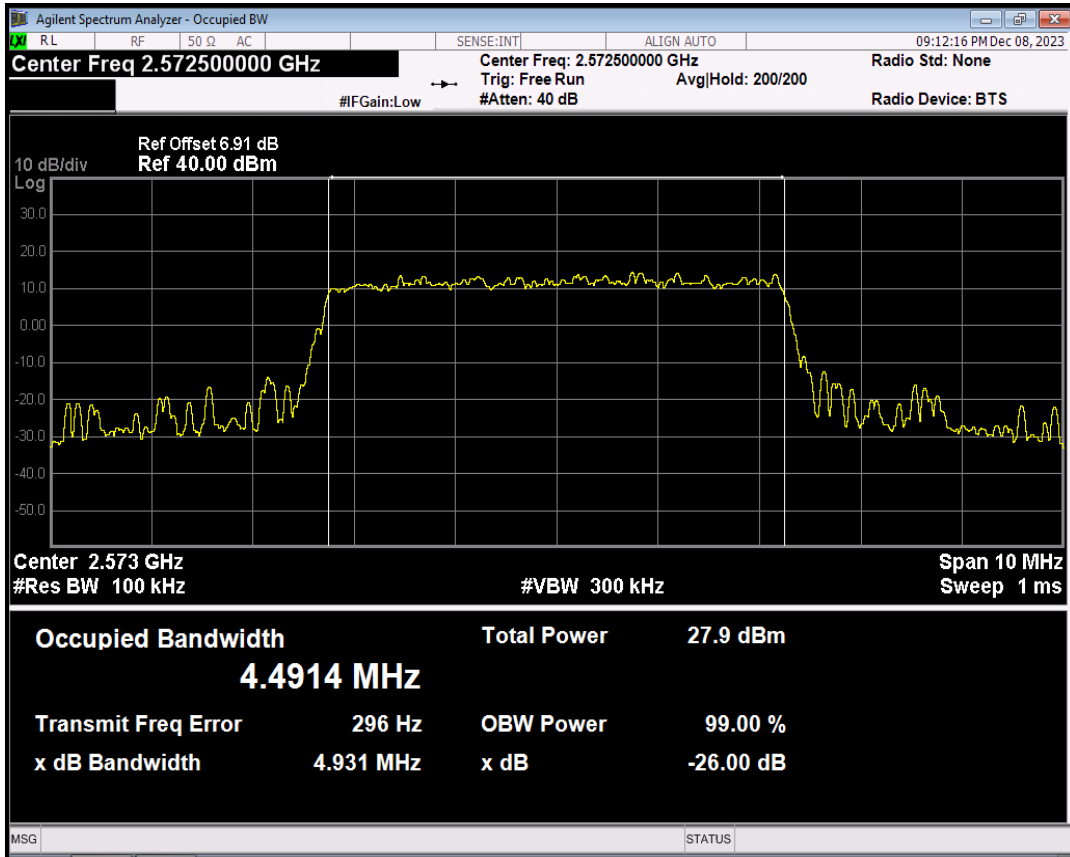
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band38	5	37775	25	#0	QPSK	4.534	5.262	PASS
Band38	5	37775	25	#0	16QAM	4.491	4.931	PASS
Band38	5	38000	25	#0	QPSK	4.517	5.007	PASS
Band38	5	38000	25	#0	16QAM	4.491	4.980	PASS
Band38	5	38225	25	#0	QPSK	4.498	5.038	PASS
Band38	5	38225	25	#0	16QAM	4.489	5.060	PASS
Band38	10	37800	50	#0	QPSK	8.976	9.873	PASS
Band38	10	37800	50	#0	16QAM	8.998	9.854	PASS
Band38	10	38000	50	#0	QPSK	9.044	10.193	PASS
Band38	10	38000	50	#0	16QAM	8.963	9.893	PASS
Band38	10	38200	50	#0	QPSK	9.050	10.136	PASS
Band38	10	38200	50	#0	16QAM	8.990	9.792	PASS
Band38	15	37825	75	#0	QPSK	13.417	14.502	PASS
Band38	15	37825	75	#0	16QAM	13.437	14.790	PASS
Band38	15	38000	75	#0	QPSK	13.460	14.829	PASS
Band38	15	38000	75	#0	16QAM	13.453	15.720	PASS
Band38	15	38175	75	#0	QPSK	13.434	14.721	PASS
Band38	15	38175	75	#0	16QAM	13.467	14.822	PASS
Band38	20	37850	100	#0	QPSK	17.929	19.665	PASS
Band38	20	37850	100	#0	16QAM	17.953	19.517	PASS
Band38	20	38000	100	#0	QPSK	18.023	19.076	PASS
Band38	20	38000	100	#0	16QAM	18.036	20.755	PASS
Band38	20	38150	100	#0	QPSK	17.988	19.329	PASS
Band38	20	38150	100	#0	16QAM	17.982	20.135	PASS

Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0

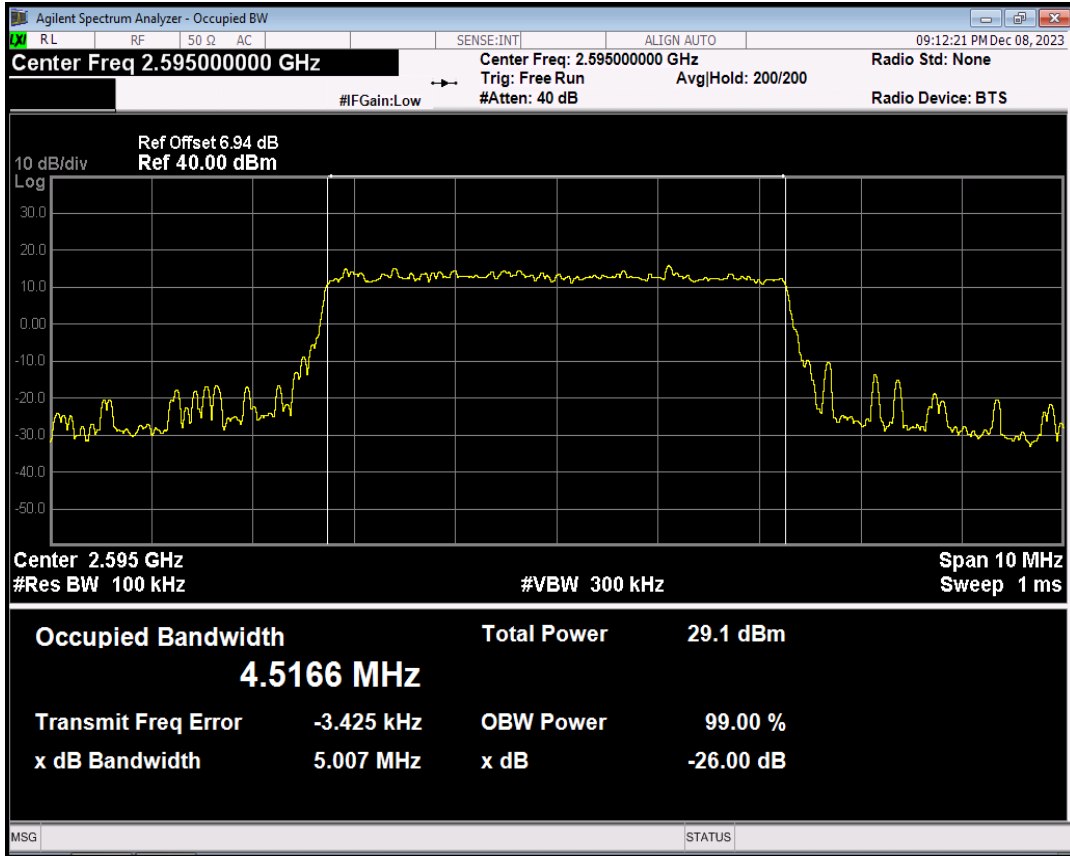




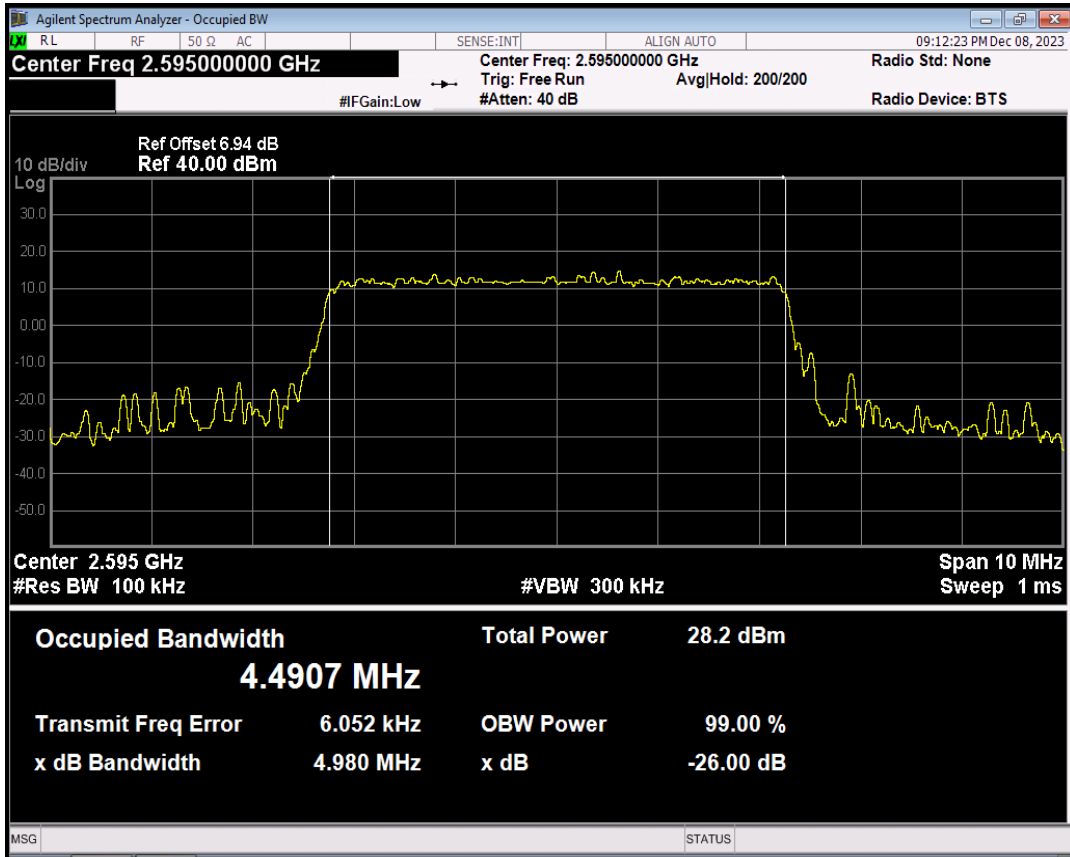
Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0



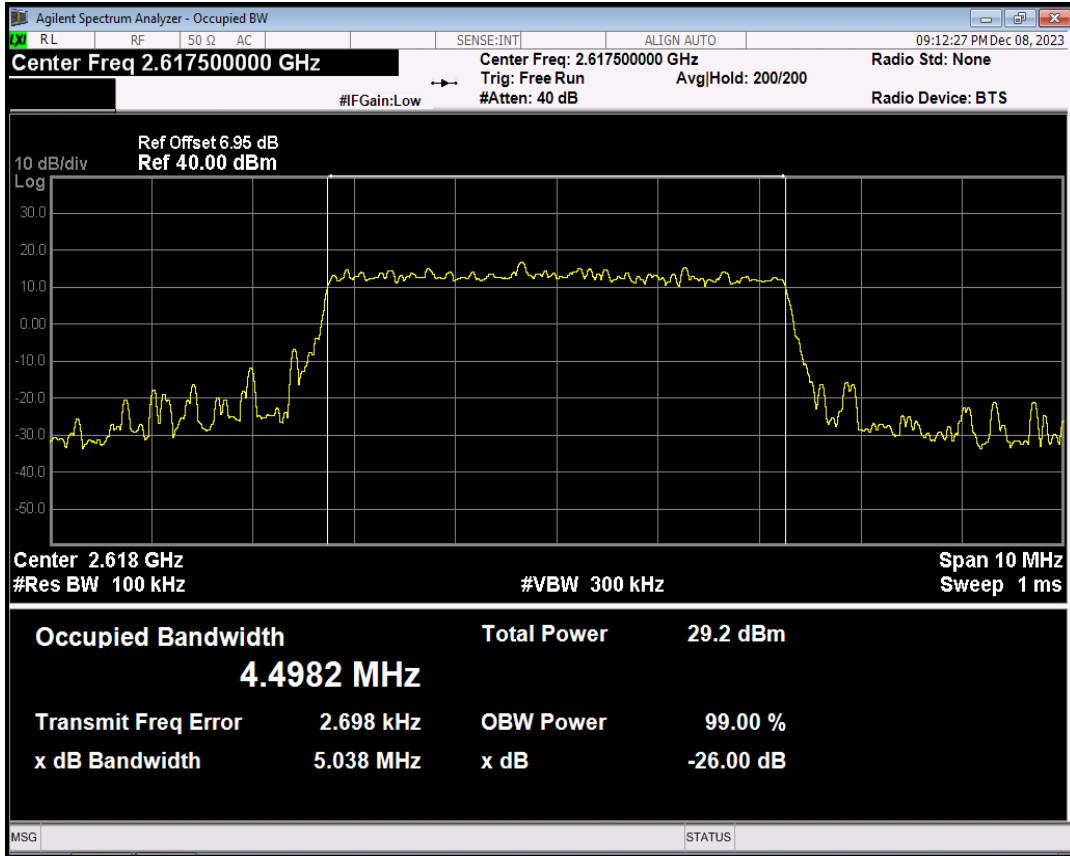
Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0



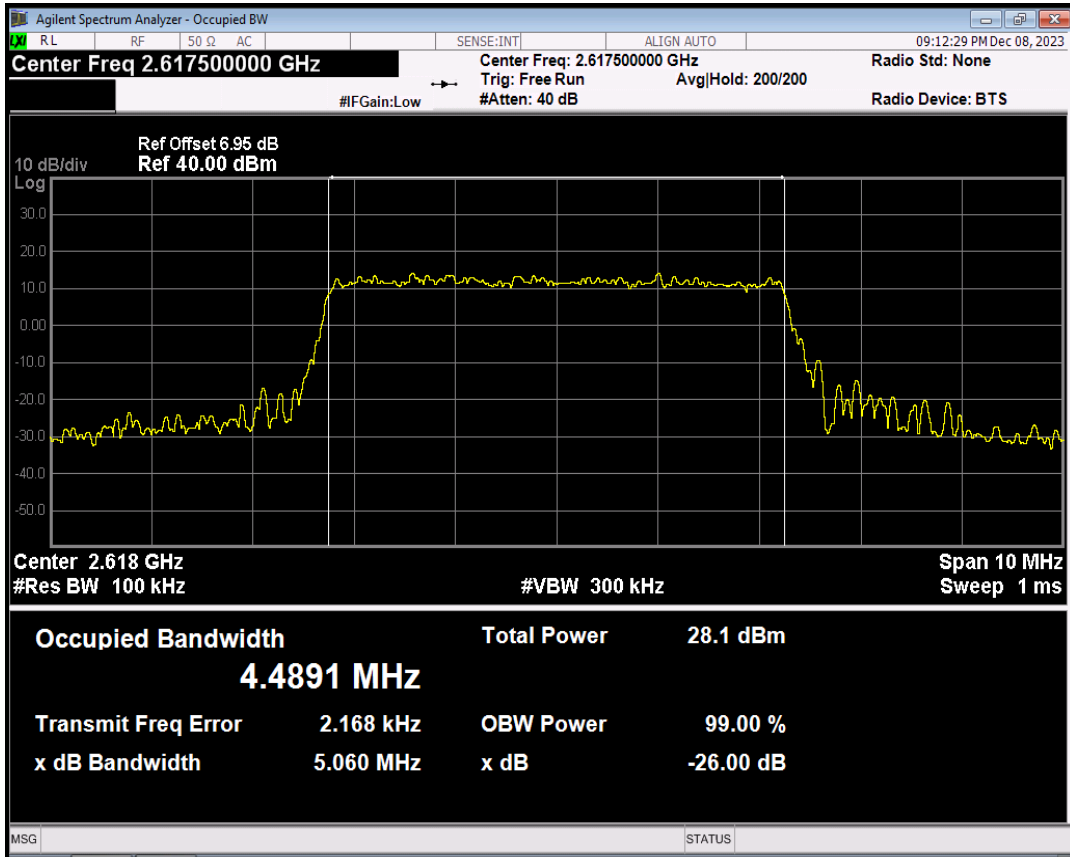
Band38 16QAM BW=5MHz Channel=38000 RB Size=25 Position=#0



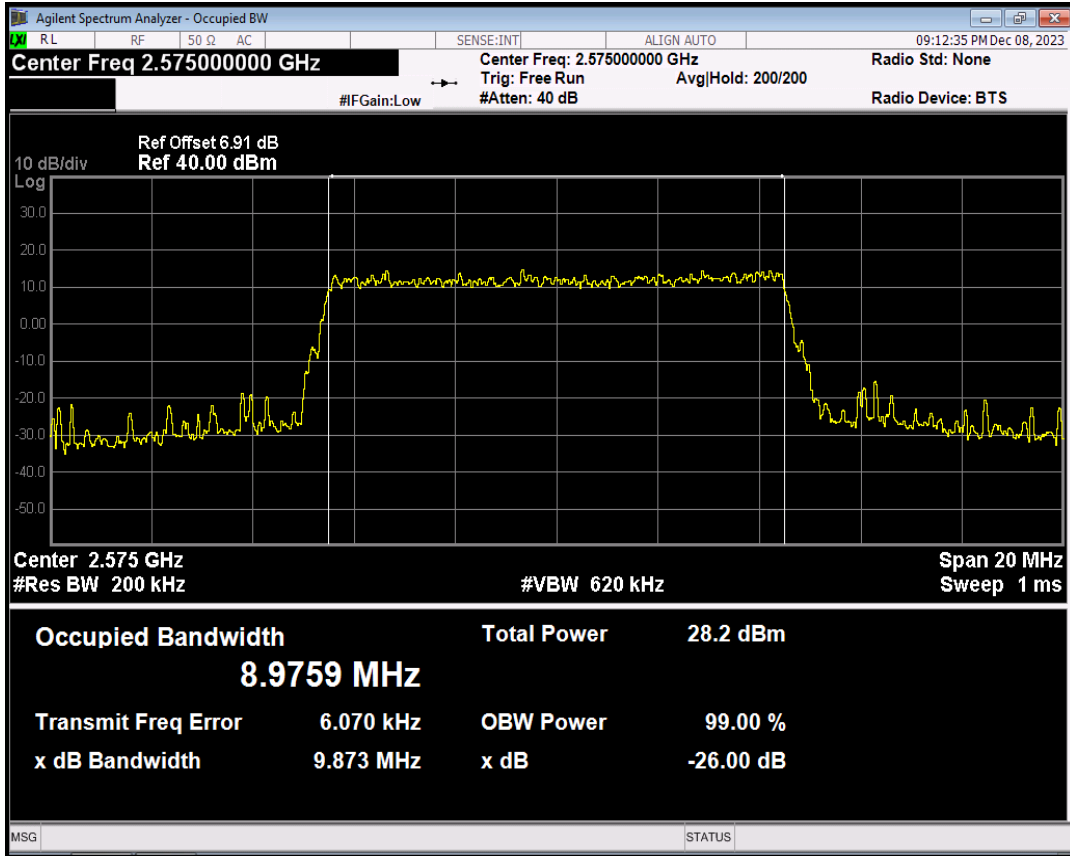
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



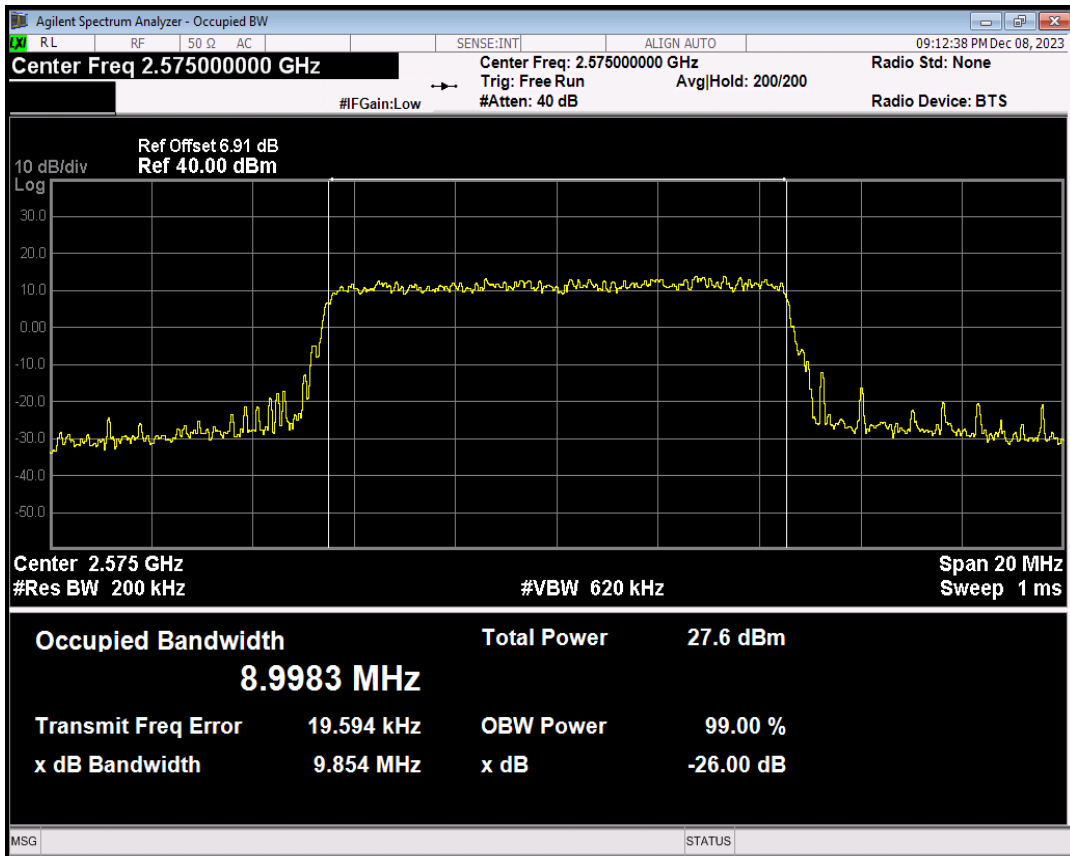
Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0



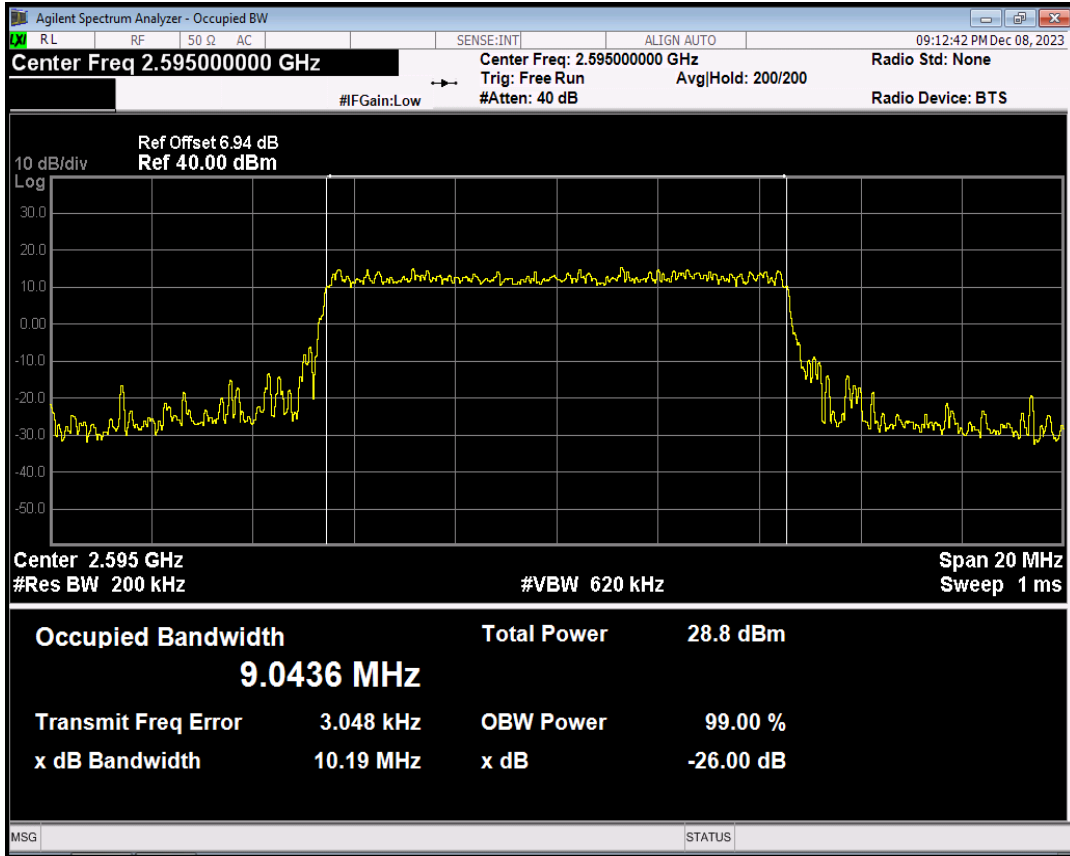
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



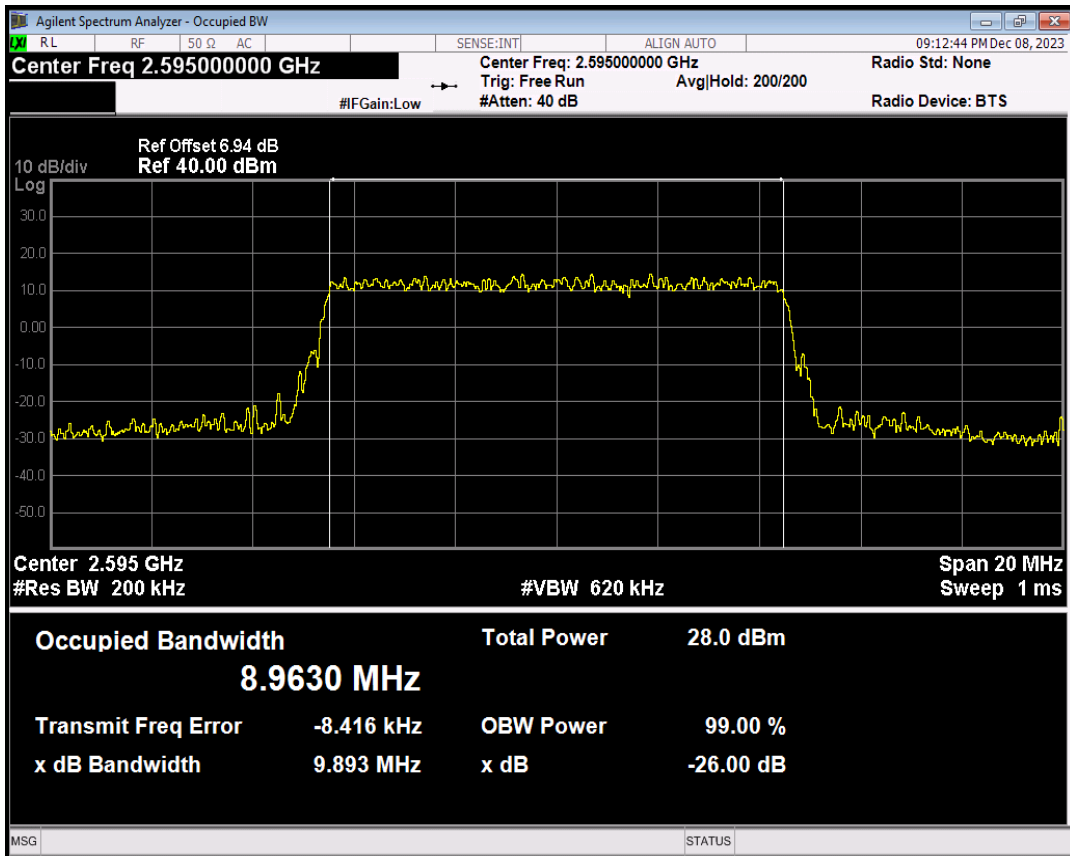
Band38 16QAM BW=10MHz Channel=37800 RB Size=50 Position=#0



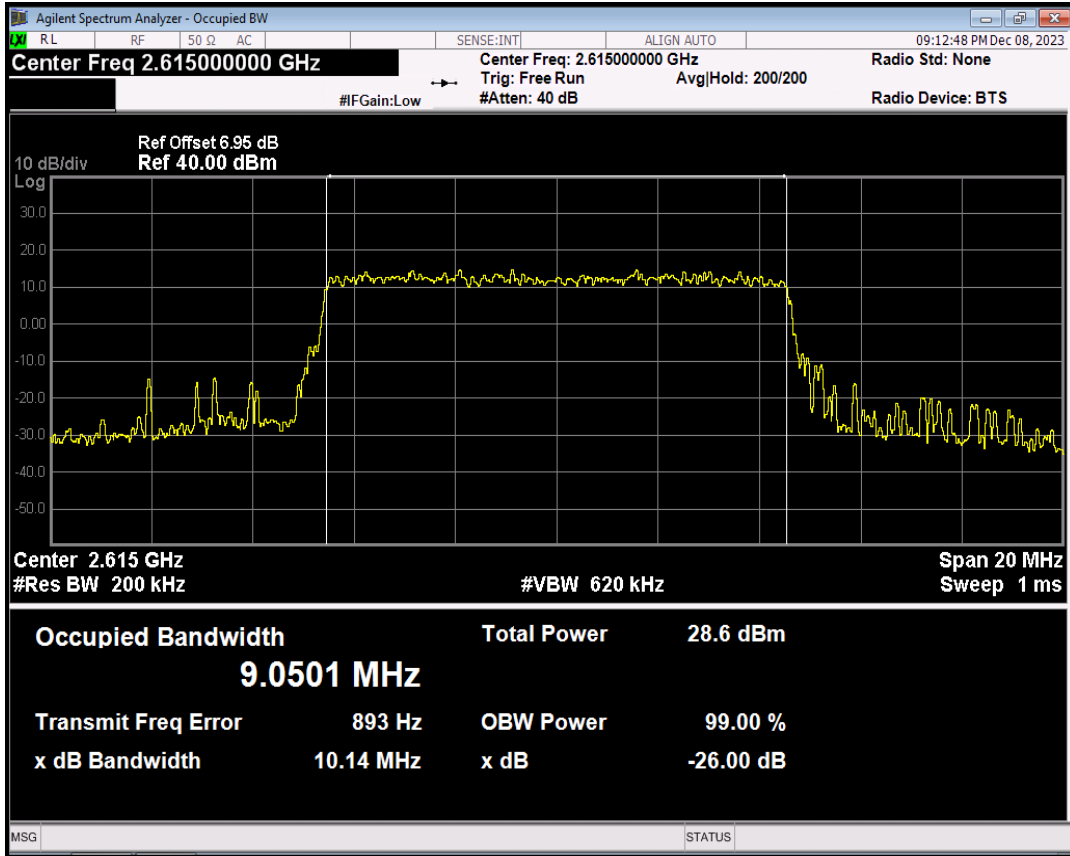
Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0



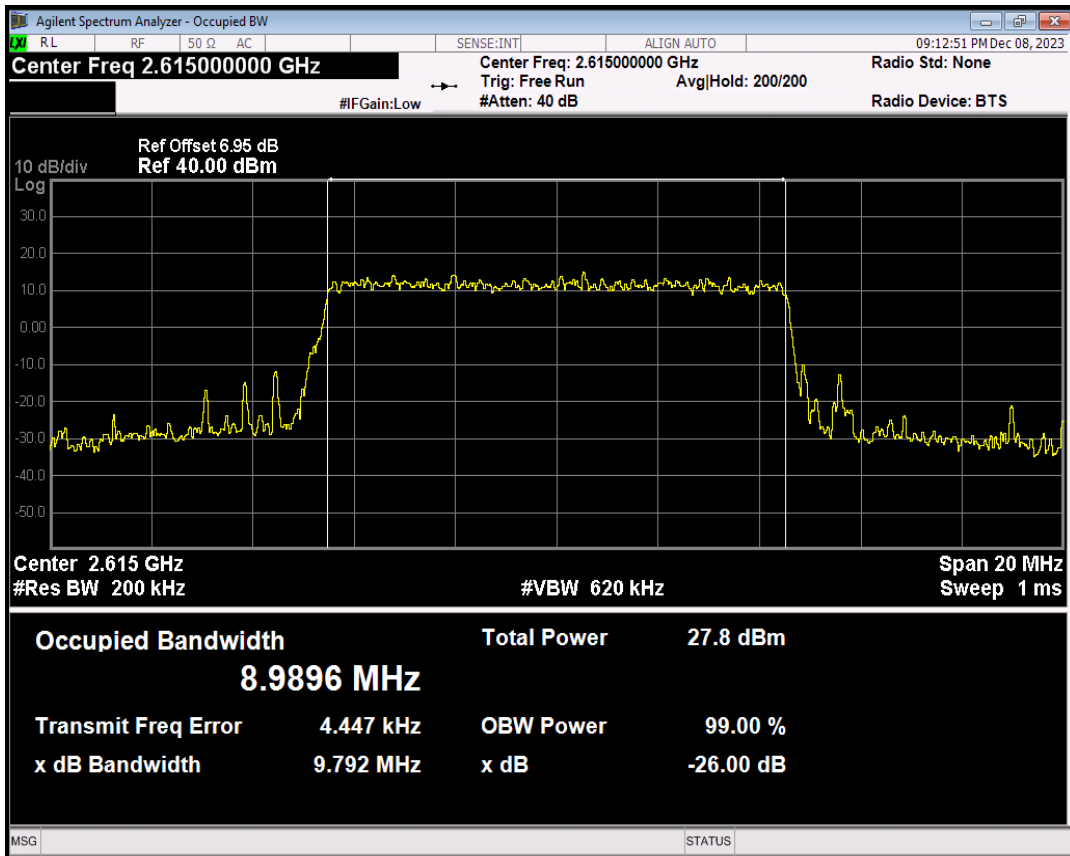
Band38 16QAM BW=10MHz Channel=38000 RB Size=50 Position=#0



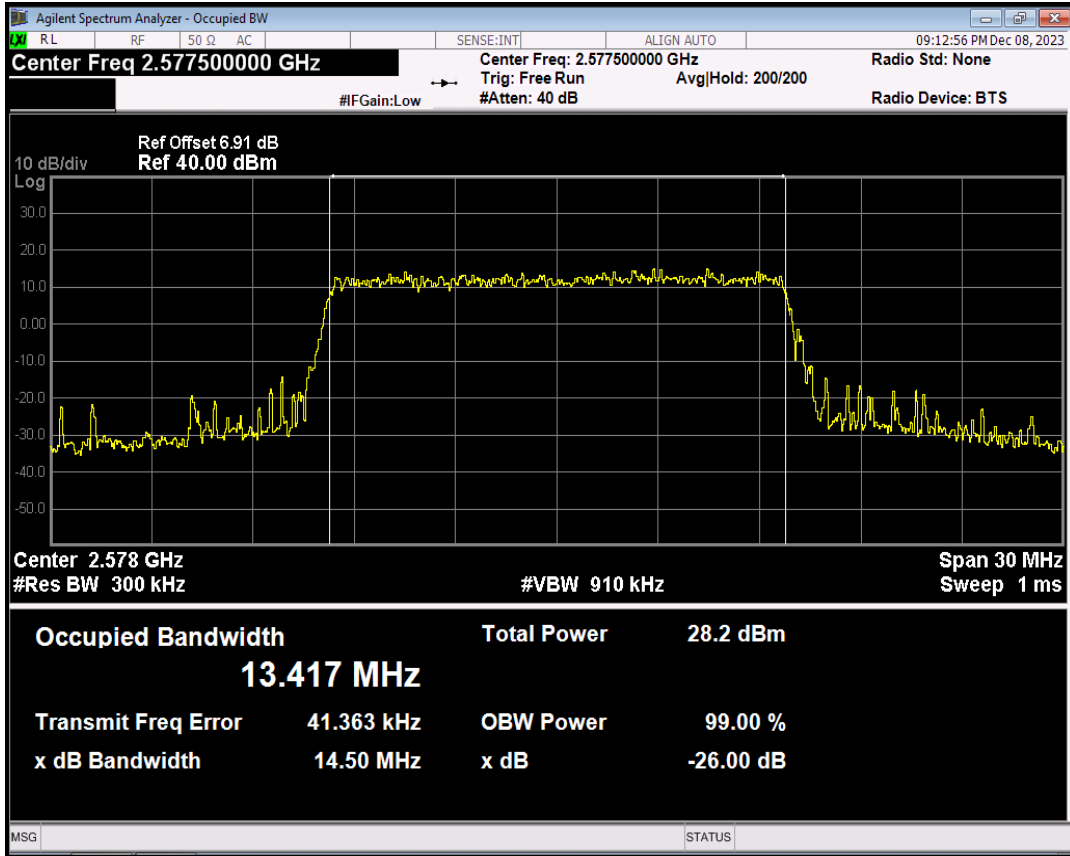
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



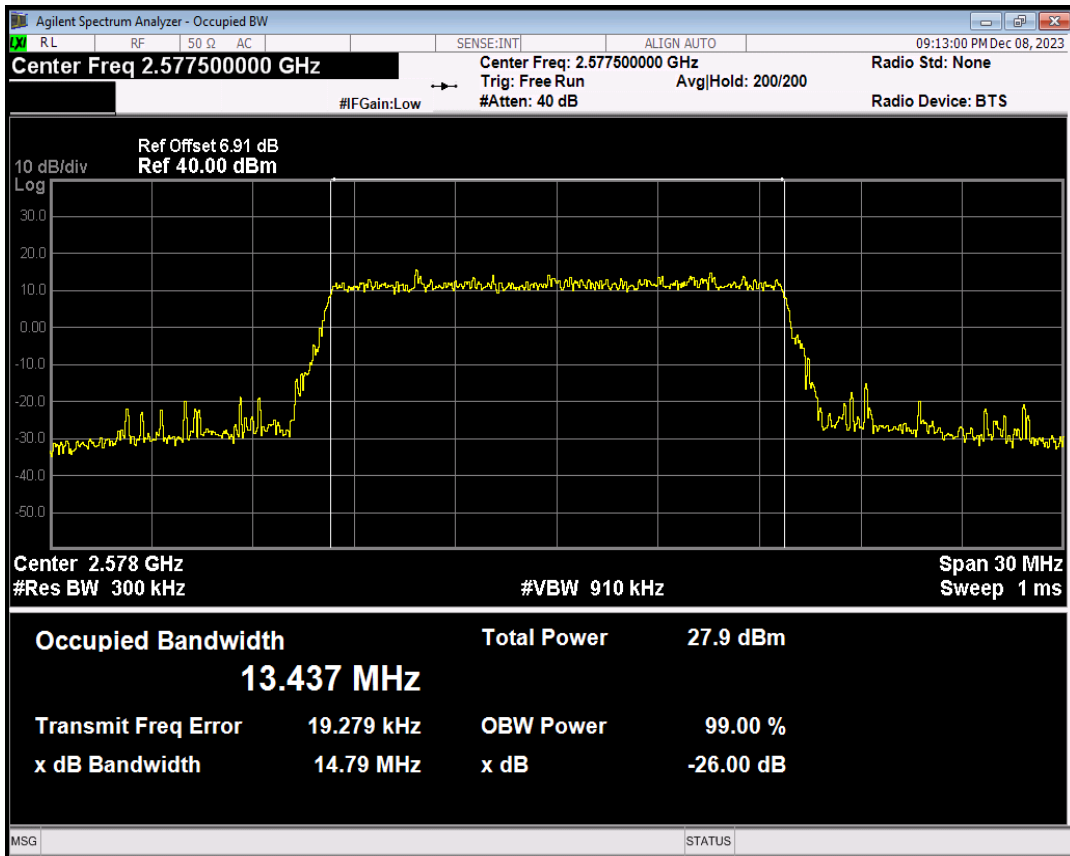
Band38 16QAM BW=10MHz Channel=38200 RB Size=50 Position=#0



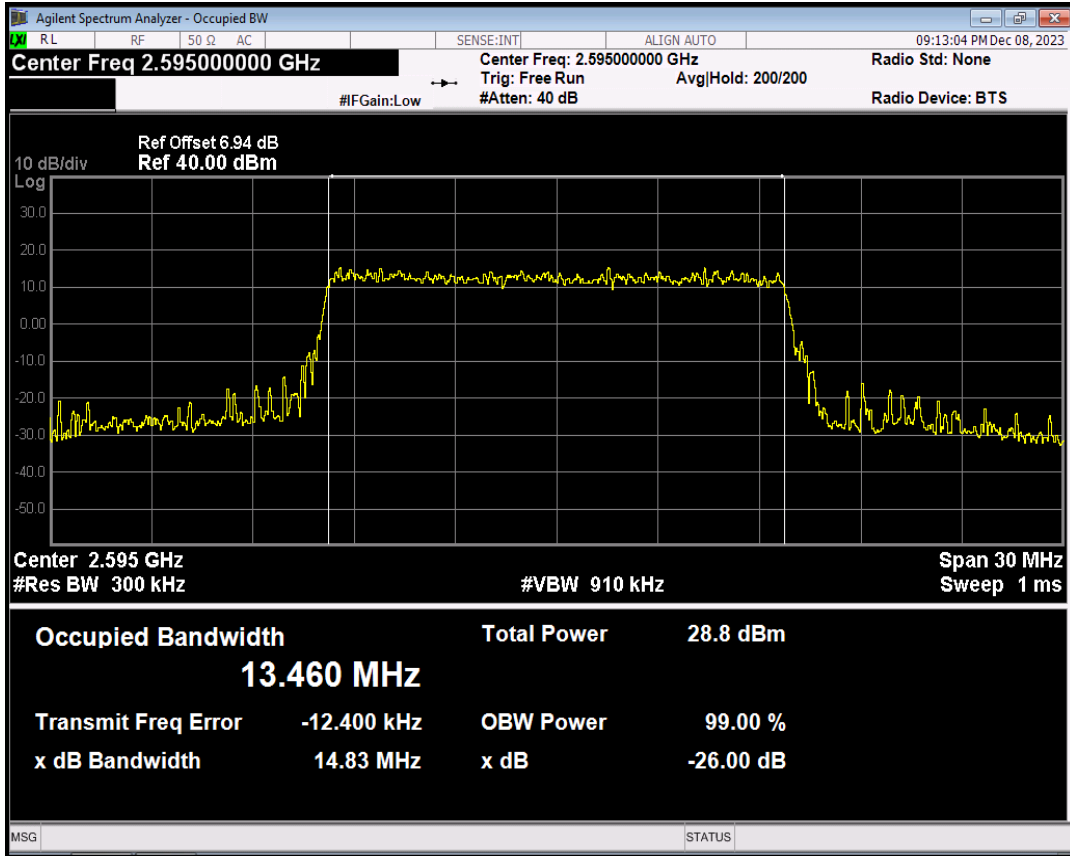
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



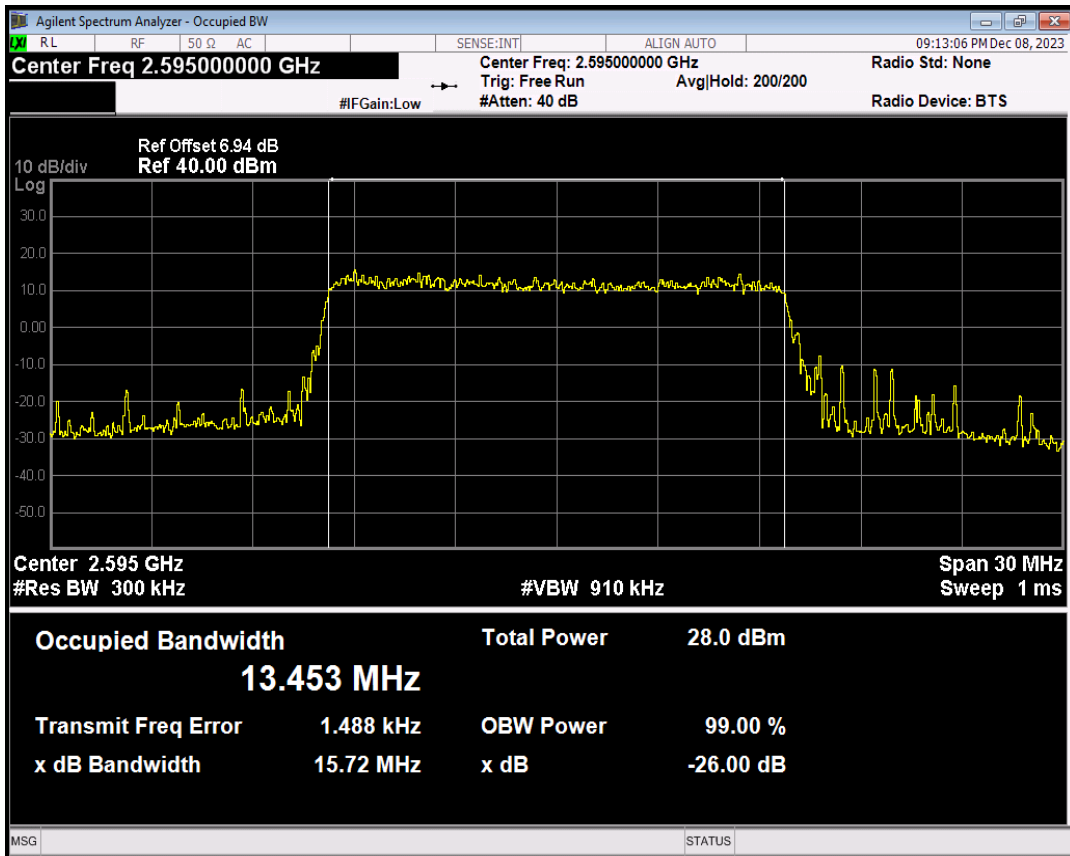
Band38 16QAM BW=15MHz Channel=37825 RB Size=75 Position=#0



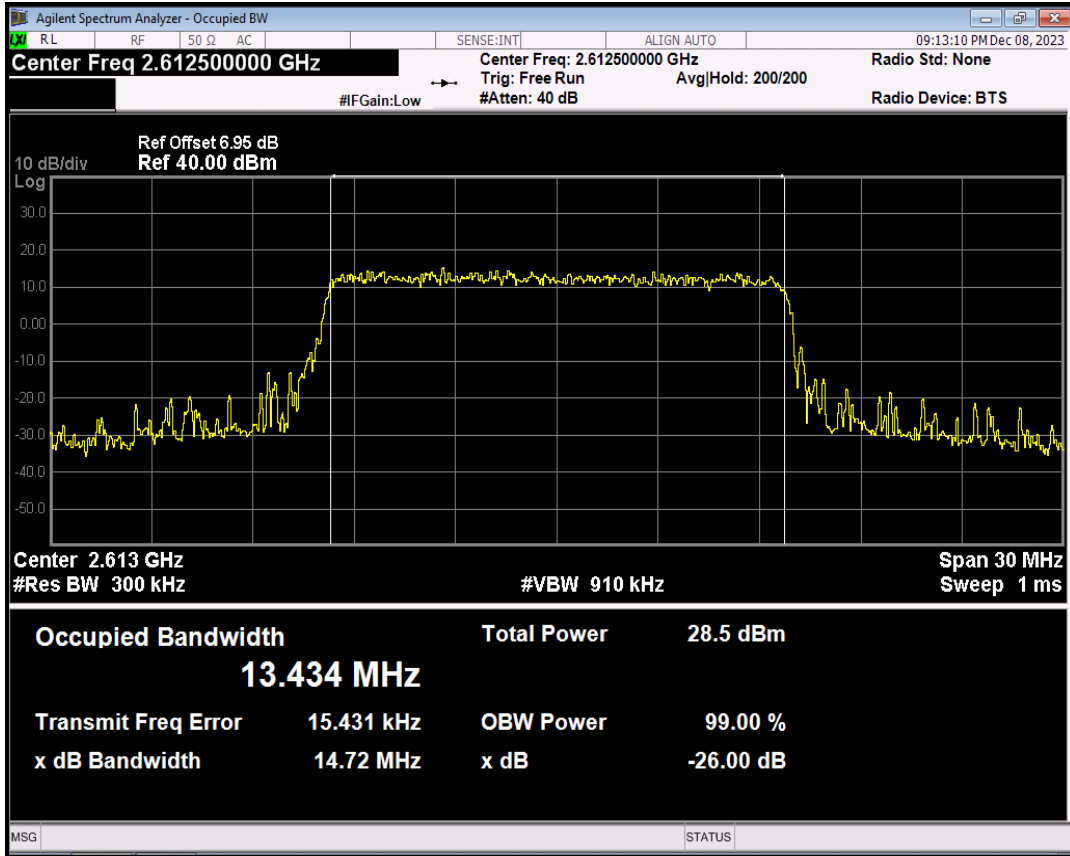
Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0



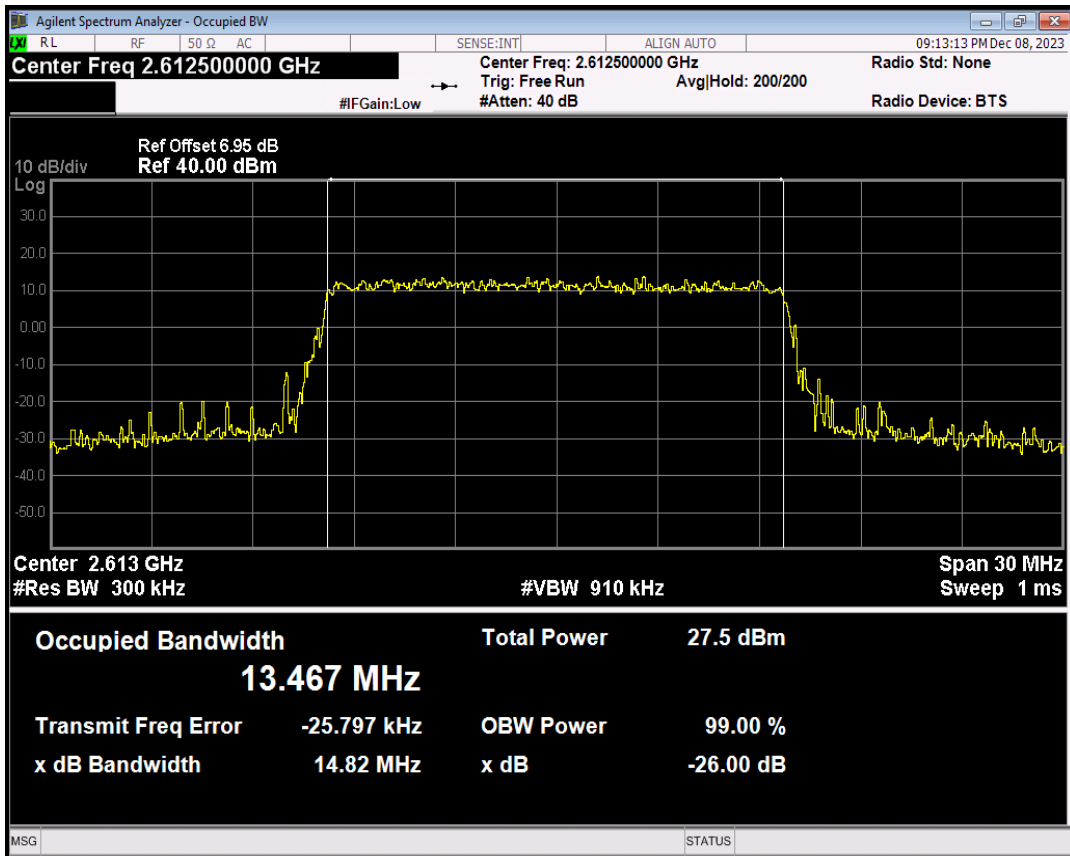
Band38 16QAM BW=15MHz Channel=38000 RB Size=75 Position=#0



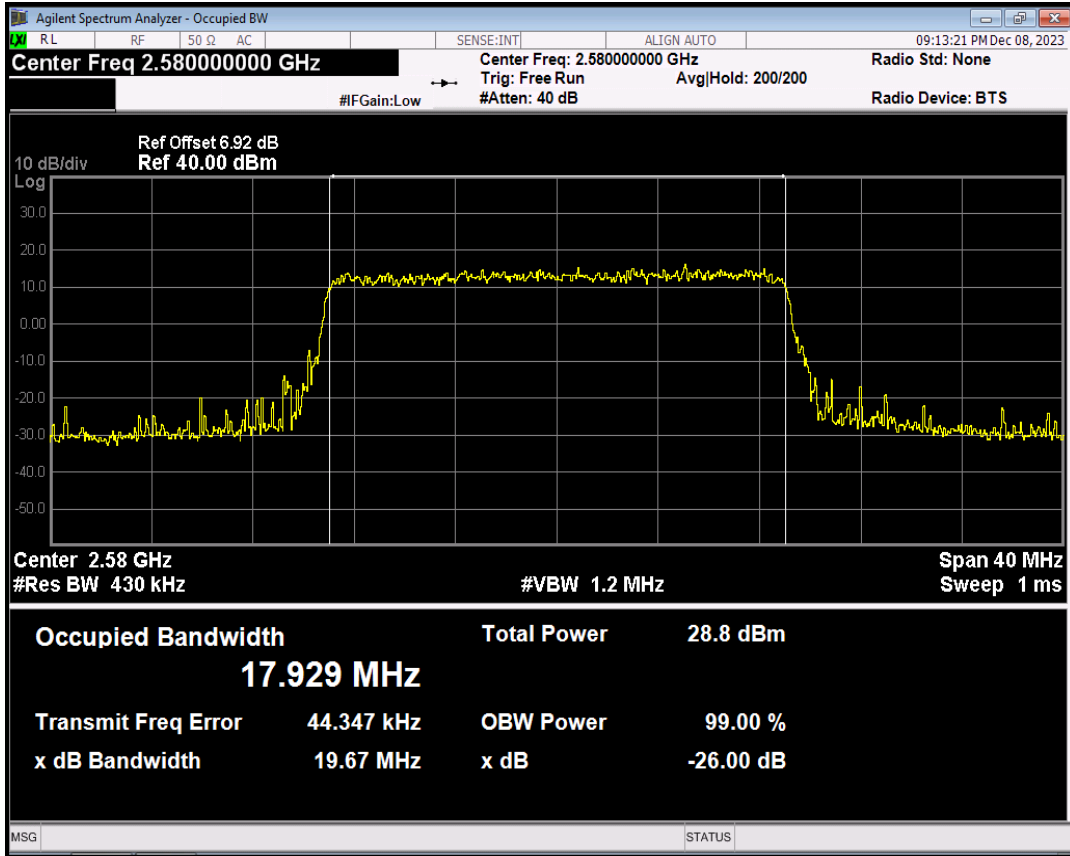
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



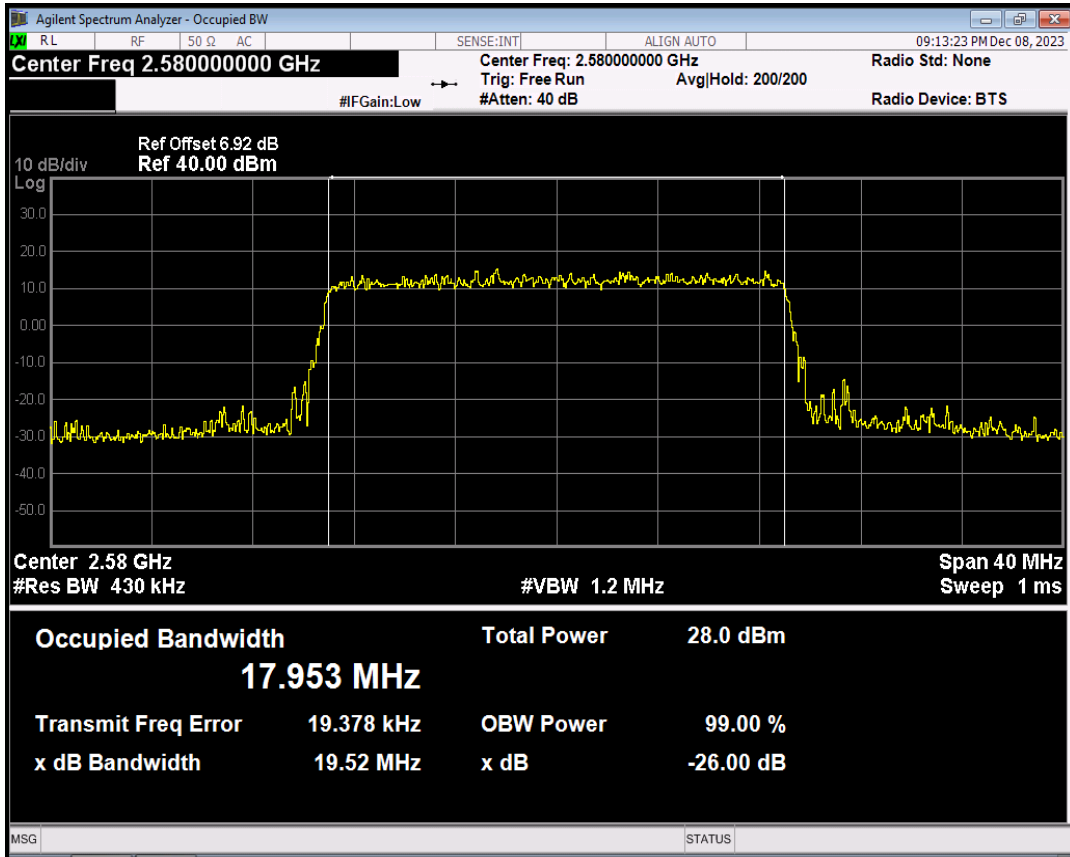
Band38 16QAM BW=15MHz Channel=38175 RB Size=75 Position=#0



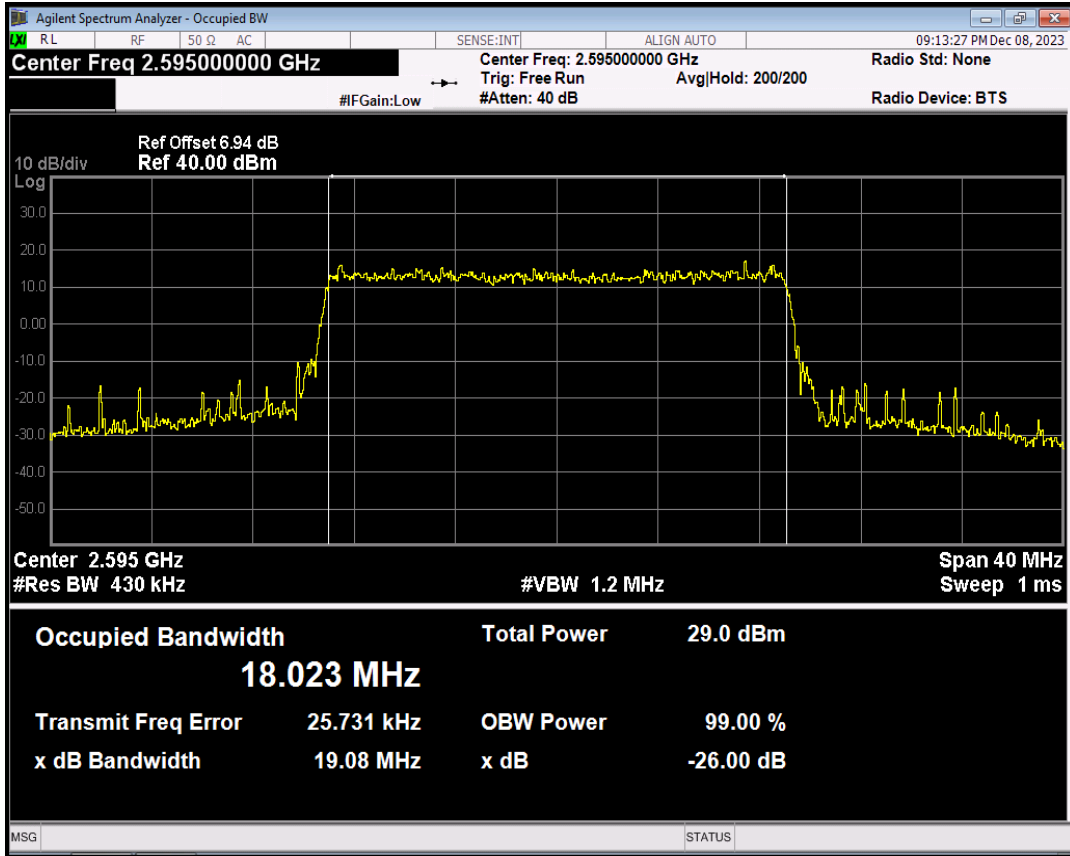
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



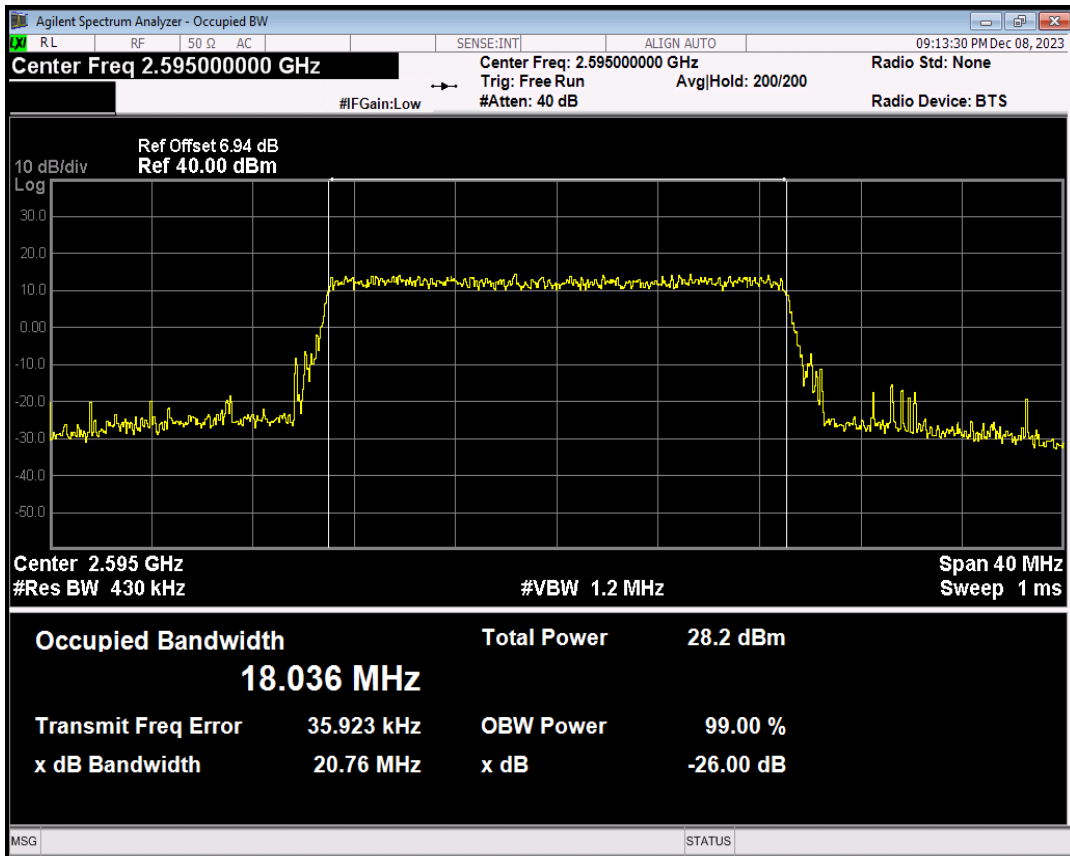
Band38 16QAM BW=20MHz Channel=37850 RB Size=100 Position=#0



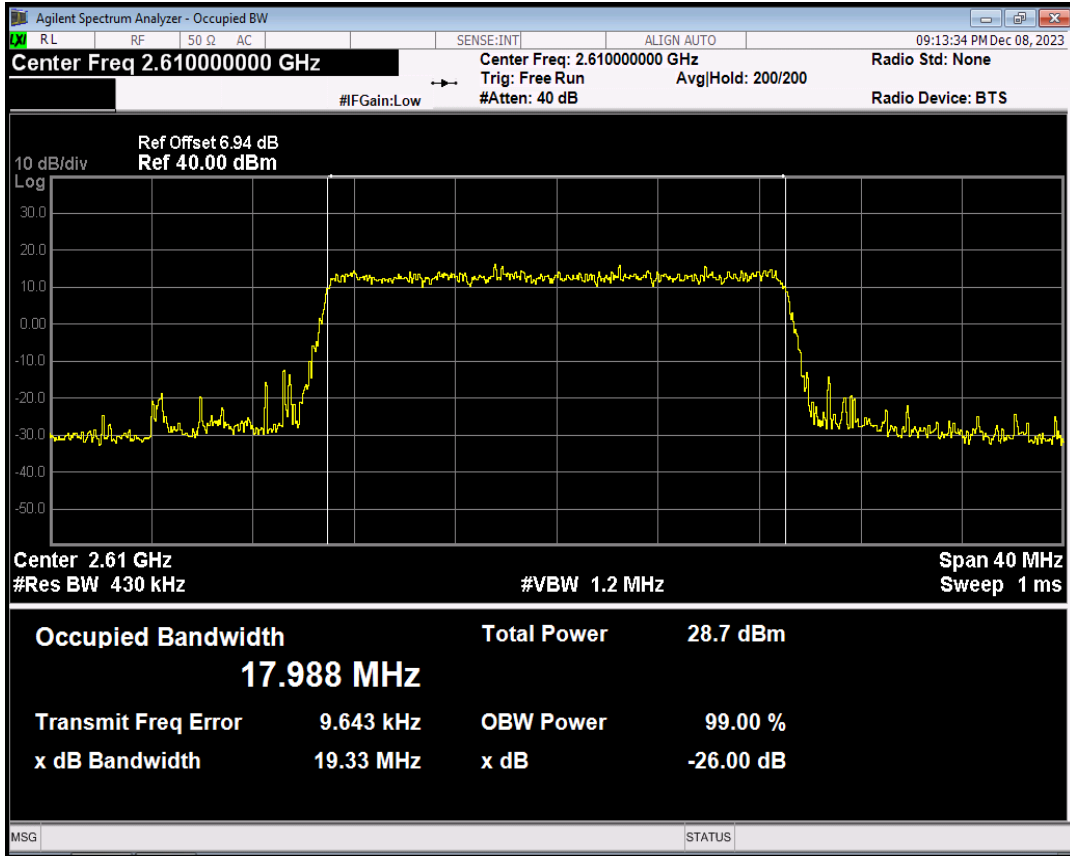
Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0



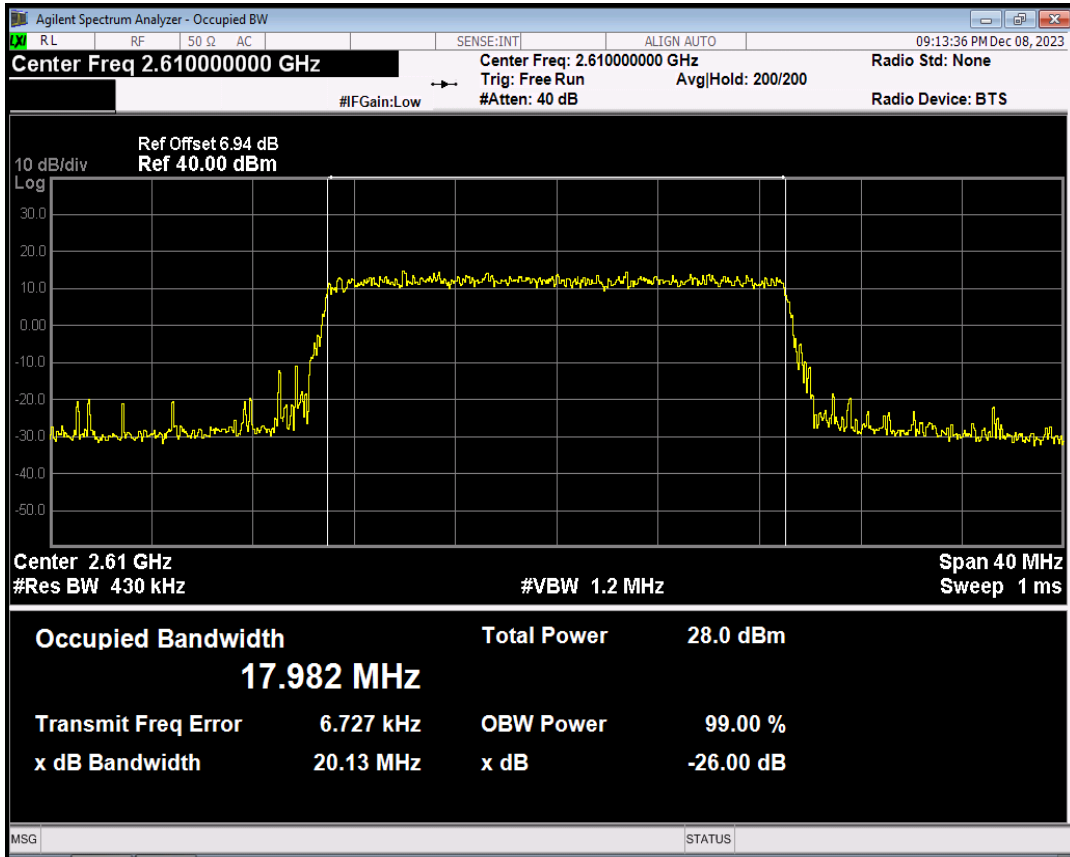
Band38 16QAM BW=20MHz Channel=38000 RB Size=100 Position=#0



Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



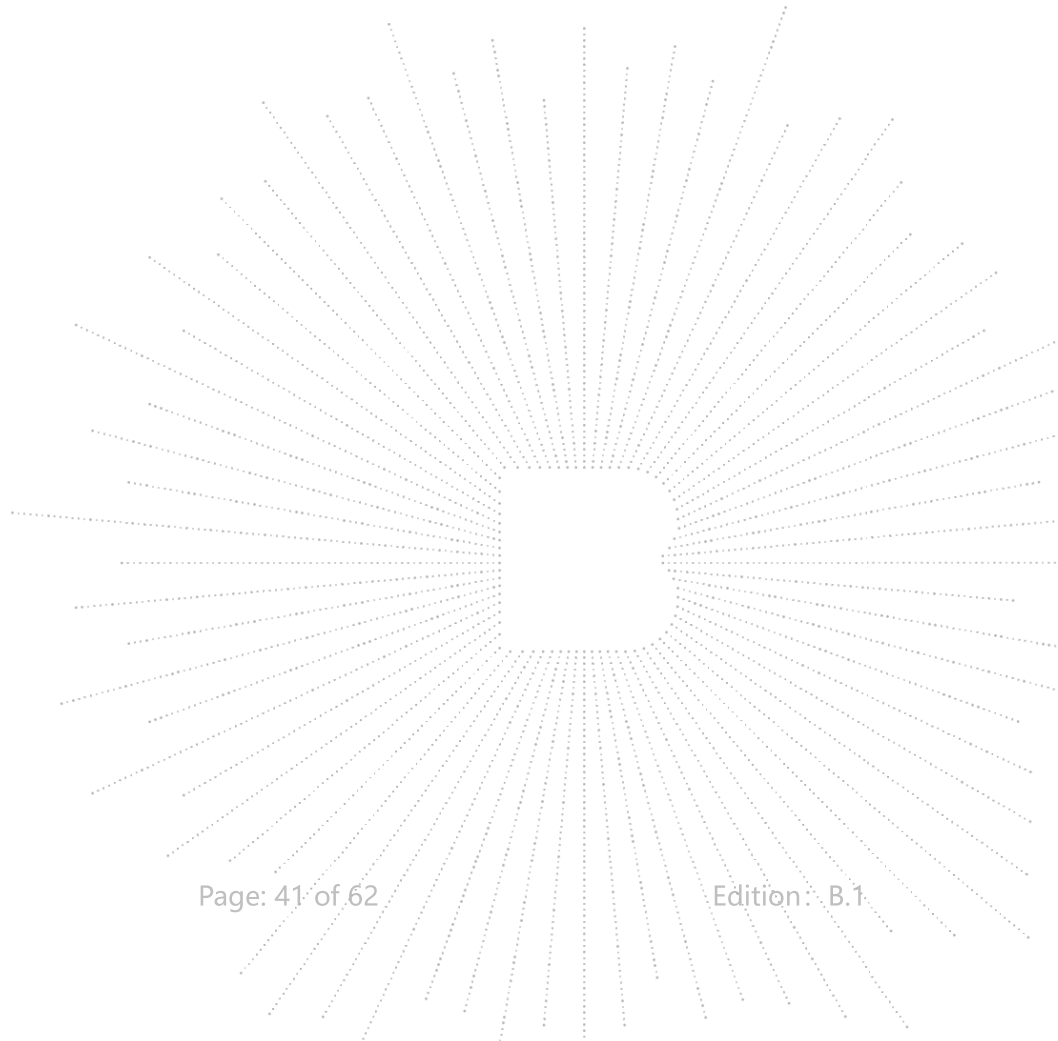
Band38 16QAM BW=20MHz Channel=38150 RB Size=100 Position=#0

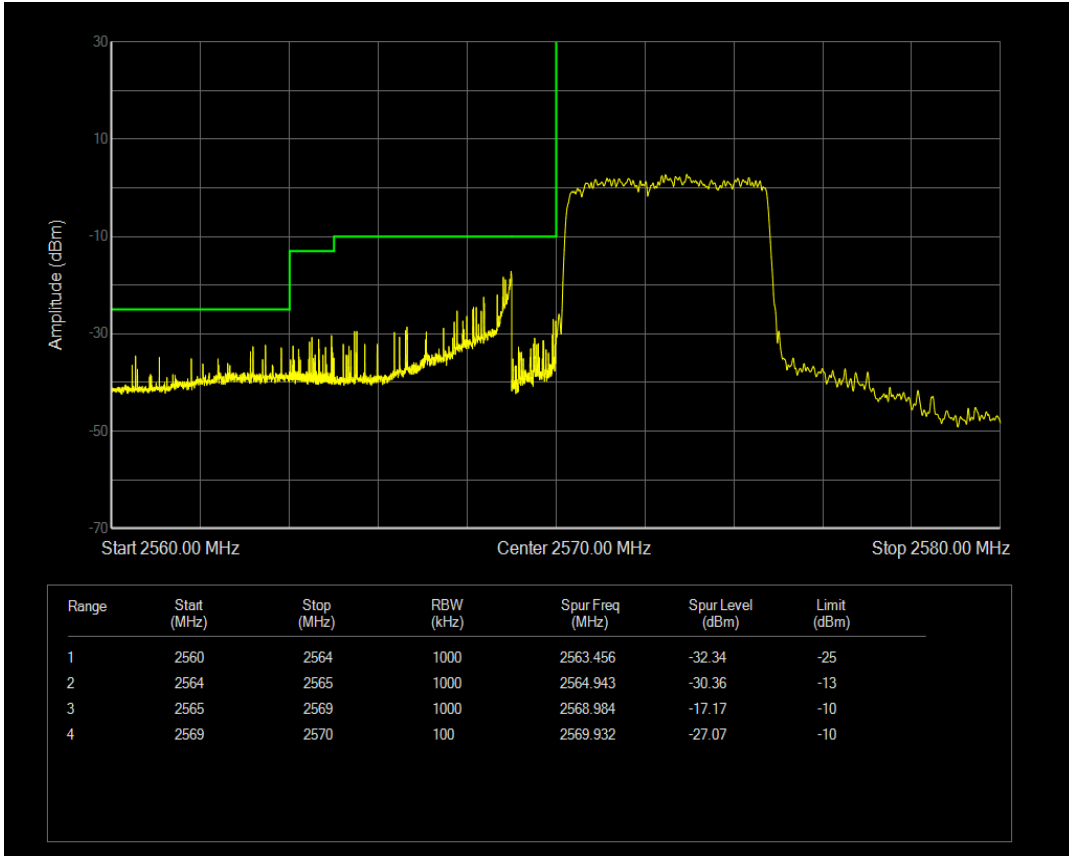


Appendix 5. Band edge

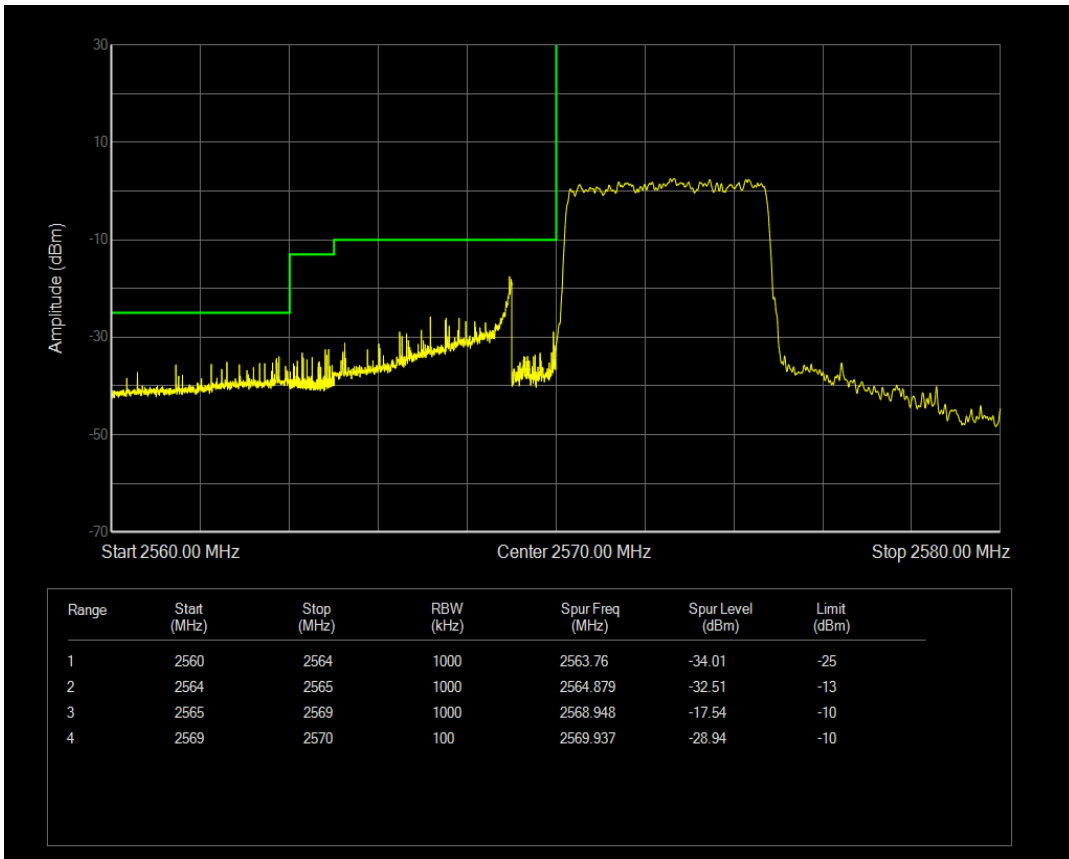
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band38	5	37775	25	#0	QPSK	2568.98	-17.17	-10	PASS
Band38	5	37775	25	#0	16QAM	2568.95	-17.54	-10	PASS
Band38	5	38225	25	#0	QPSK	2621.12	-17.53	-10	PASS
Band38	5	38225	25	#0	16QAM	2626.25	-33.30	-25	PASS
Band38	10	37800	50	#0	QPSK	2559.60	-34.99	-25	PASS
Band38	10	37800	50	#0	16QAM	2558.96	-36.55	-25	PASS
Band38	10	38200	50	#0	QPSK	2631.15	-36.71	-25	PASS
Band38	10	38200	50	#0	16QAM	2630.32	-37.93	-25	PASS
Band38	15	37825	75	#0	QPSK	2552.72	-37.38	-25	PASS
Band38	15	37825	75	#0	16QAM	2552.36	-37.30	-25	PASS
Band38	15	38175	75	#0	QPSK	2636.96	-38.37	-25	PASS
Band38	15	38175	75	#0	16QAM	2636.43	-36.98	-25	PASS
Band38	20	37850	100	#0	QPSK	2545.50	-37.39	-25	PASS
Band38	20	37850	100	#0	16QAM	2549.67	-38.94	-25	PASS
Band38	20	38150	100	#0	QPSK	2642.85	-38.40	-25	PASS
Band38	20	38150	100	#0	16QAM	2641.53	-38.12	-25	PASS

Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0

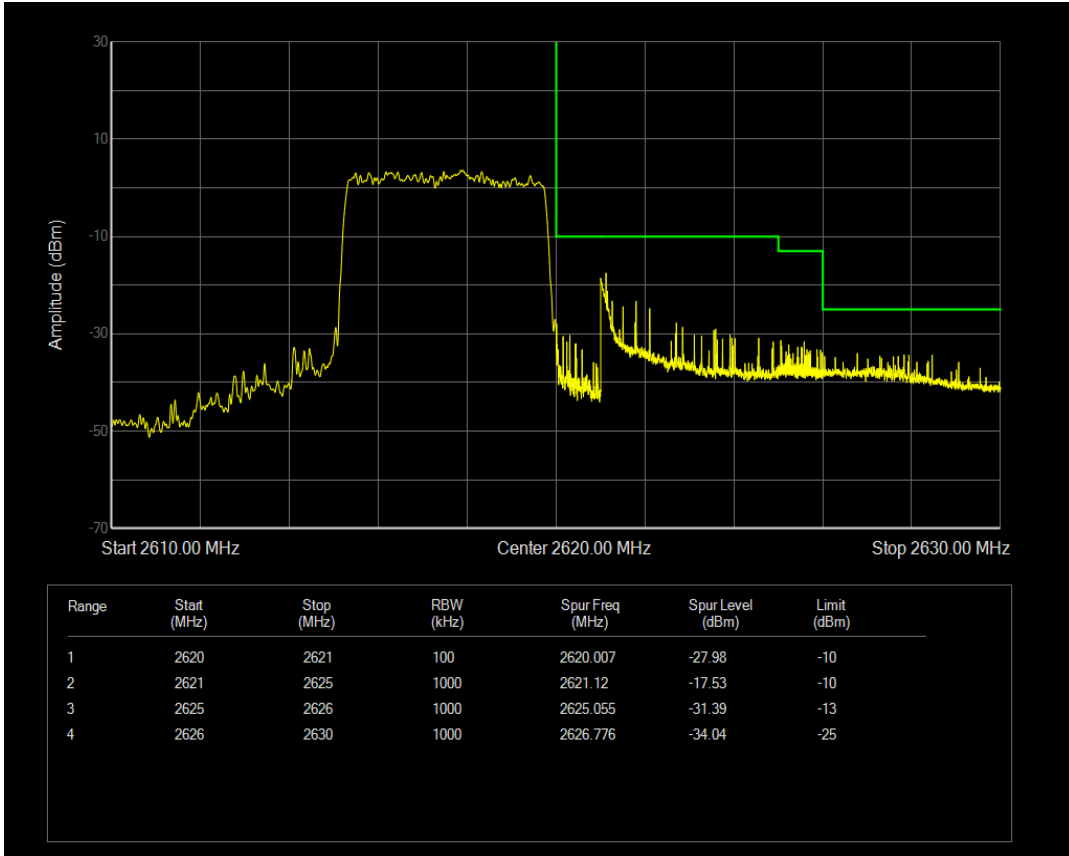




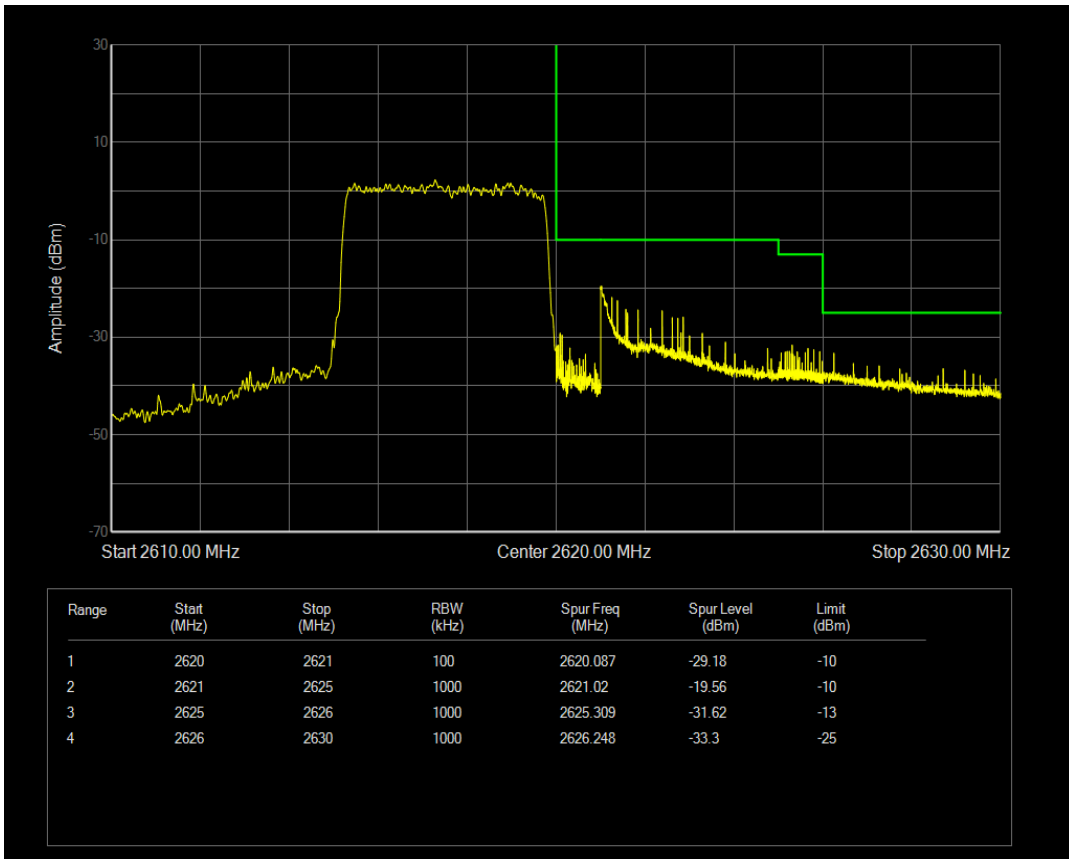
Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0



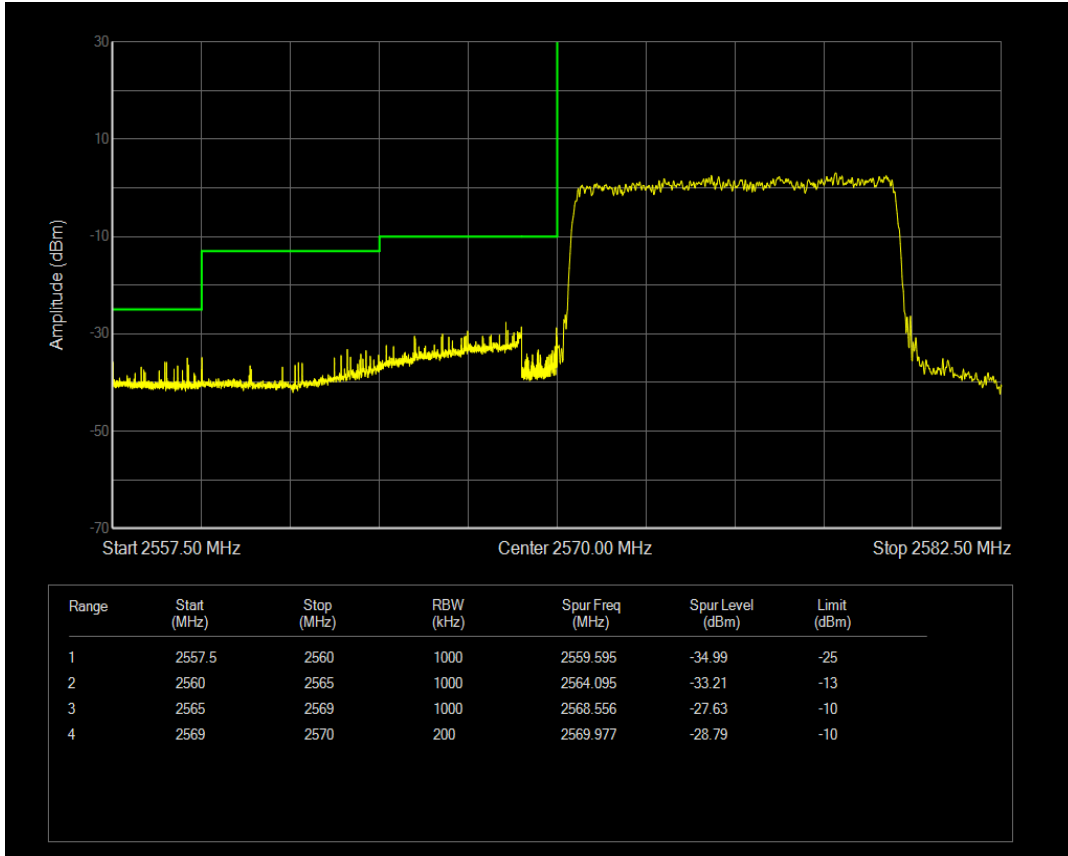
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



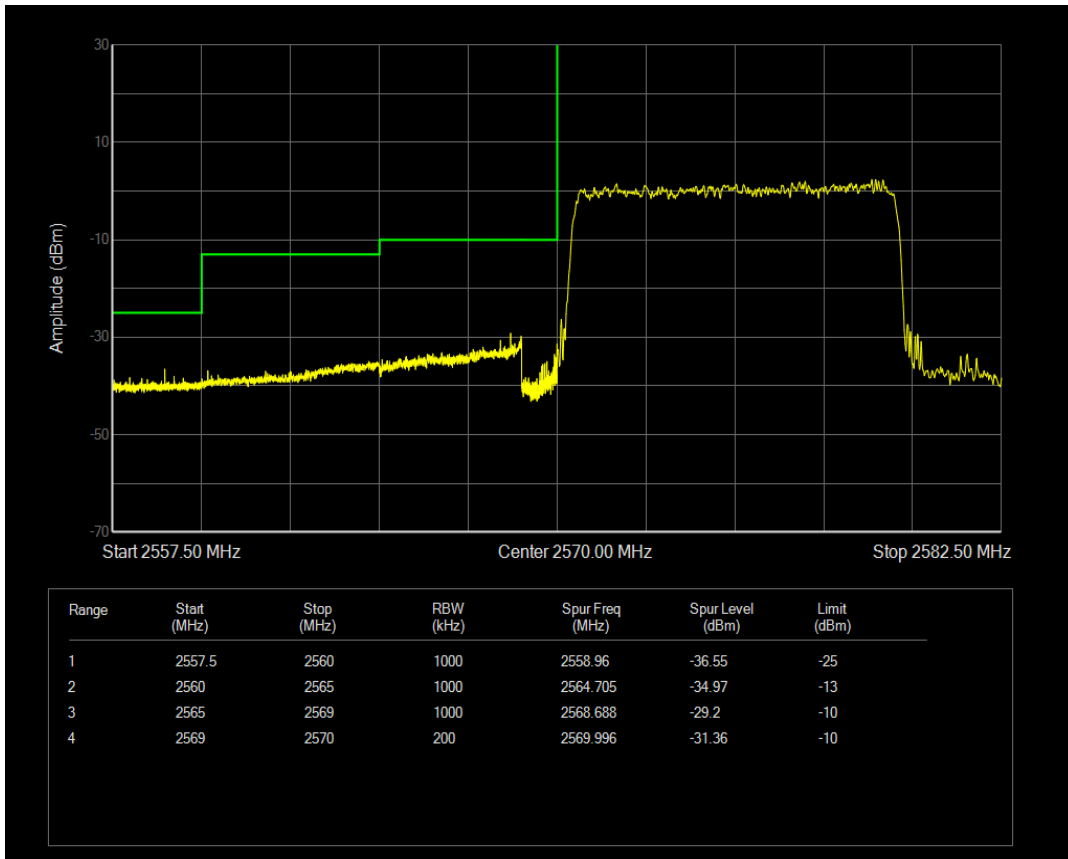
Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0



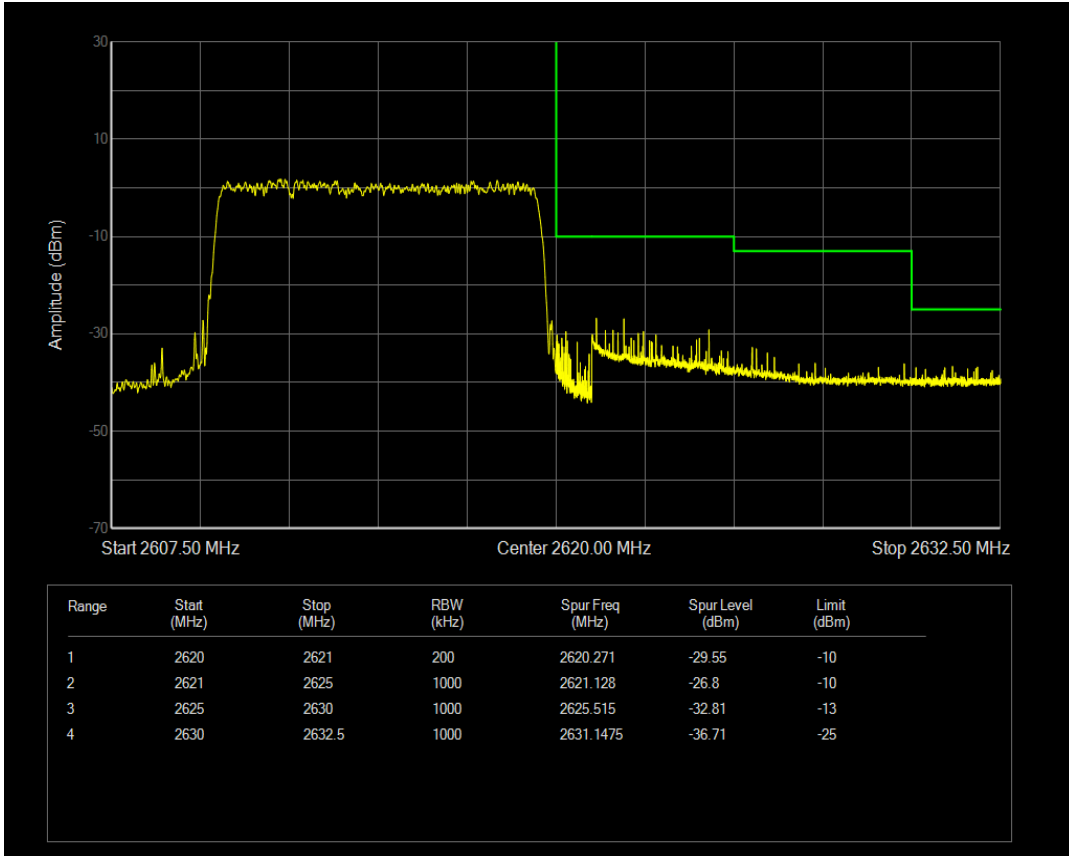
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



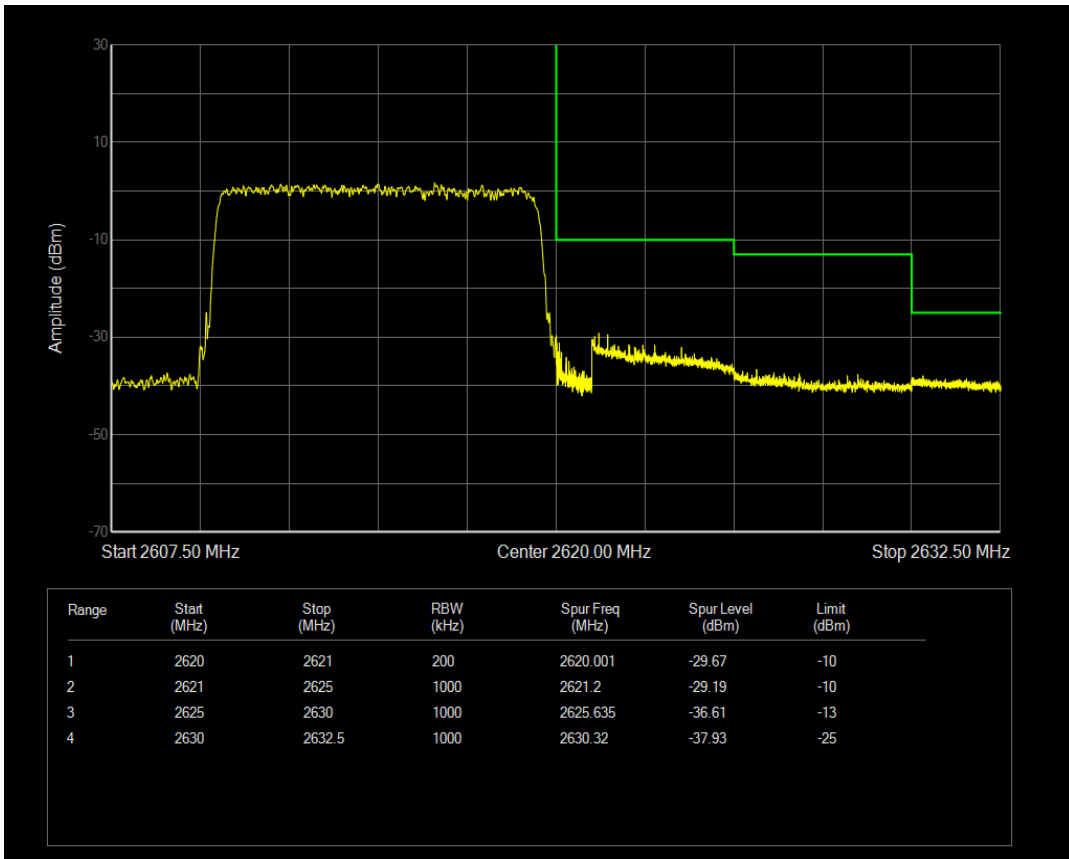
Band38 16QAM BW=10MHz Channel=37800 RB Size=50 Position=#0



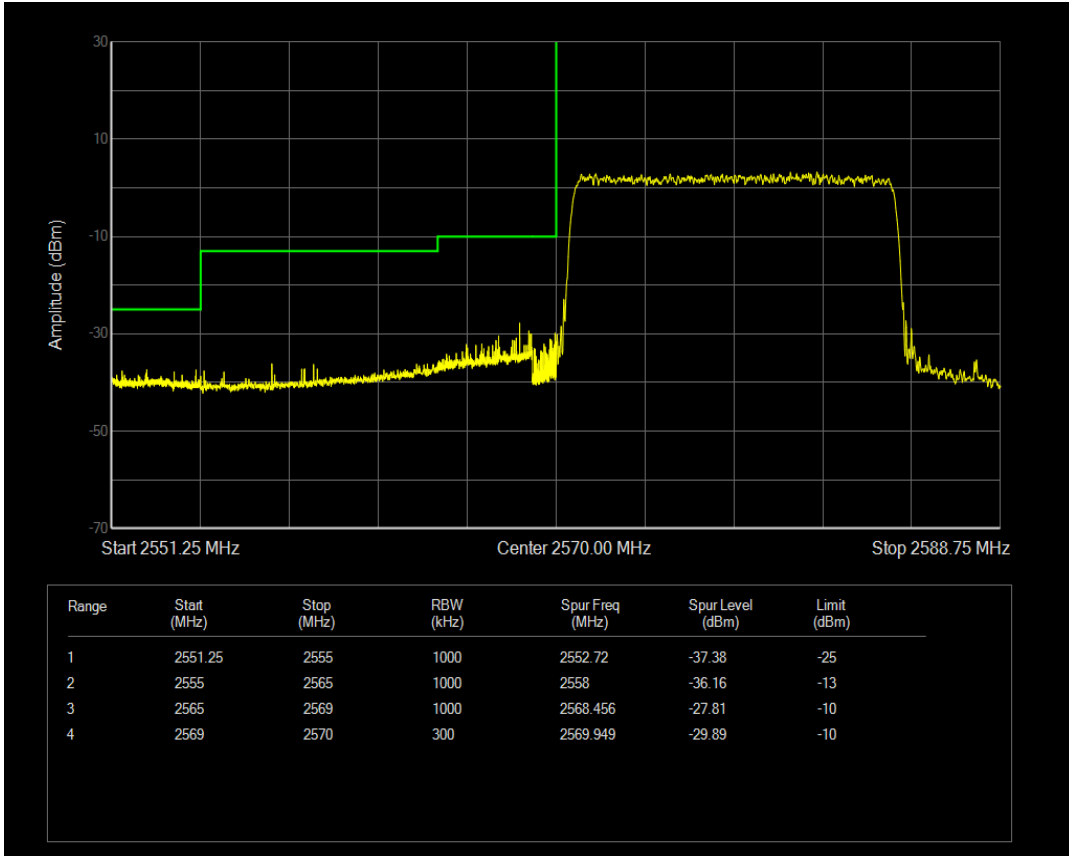
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



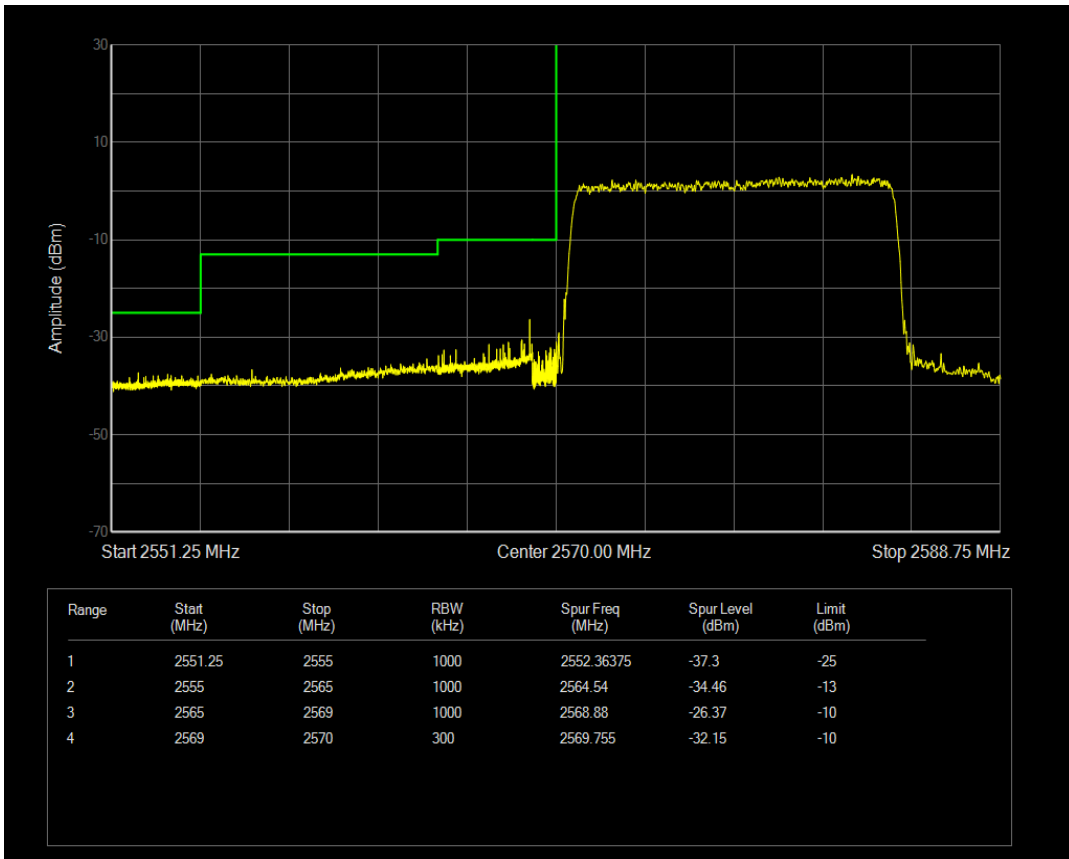
Band38 16QAM BW=10MHz Channel=38200 RB Size=50 Position=#0



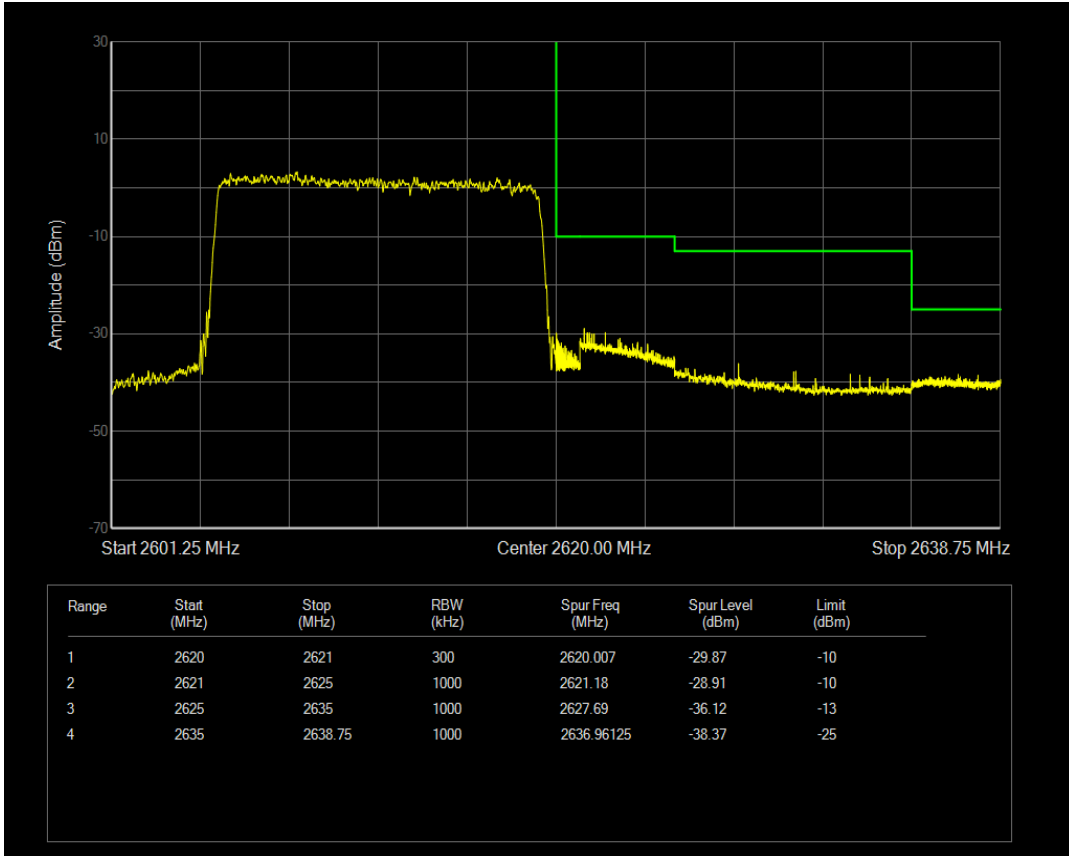
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



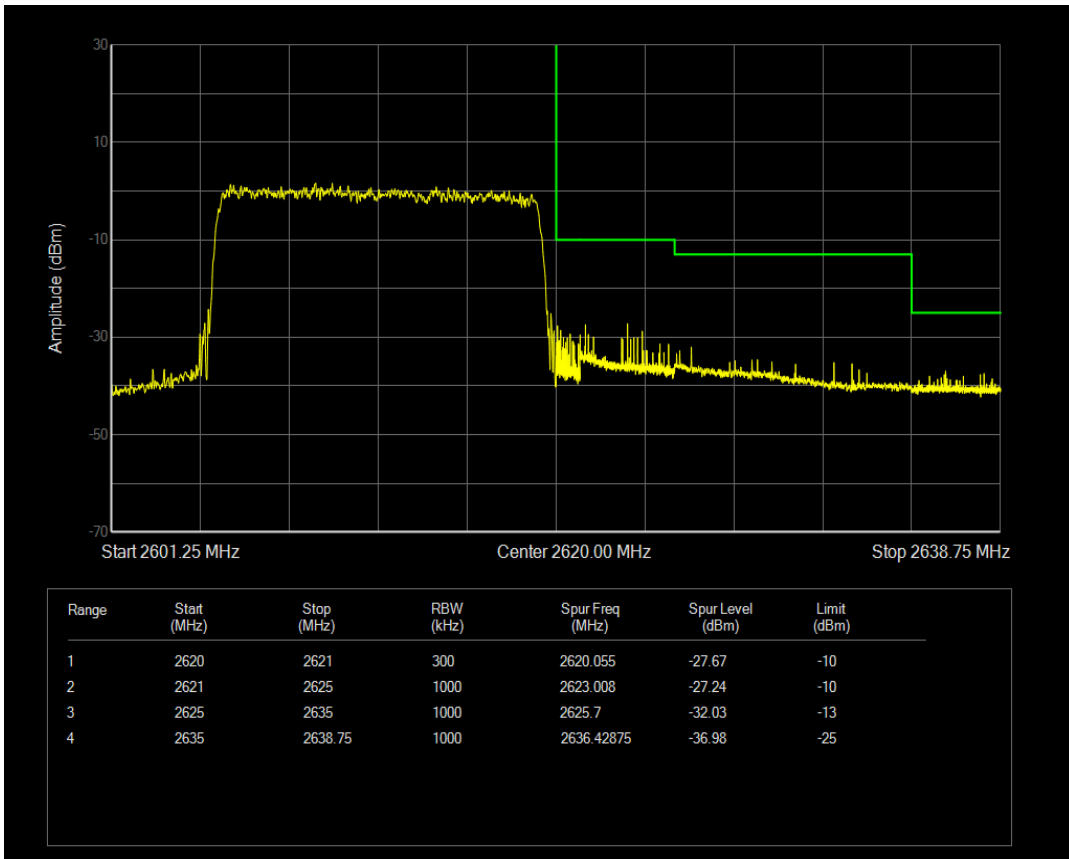
Band38 16QAM BW=15MHz Channel=37825 RB Size=75 Position=#0



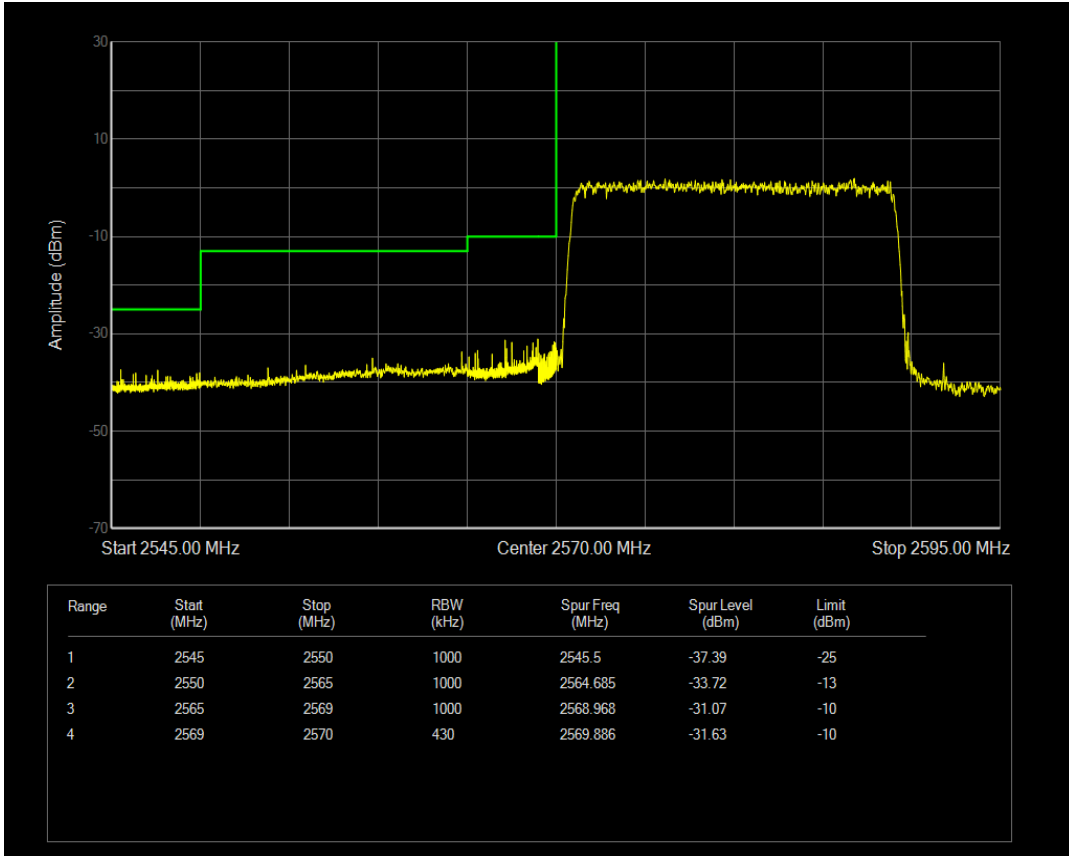
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



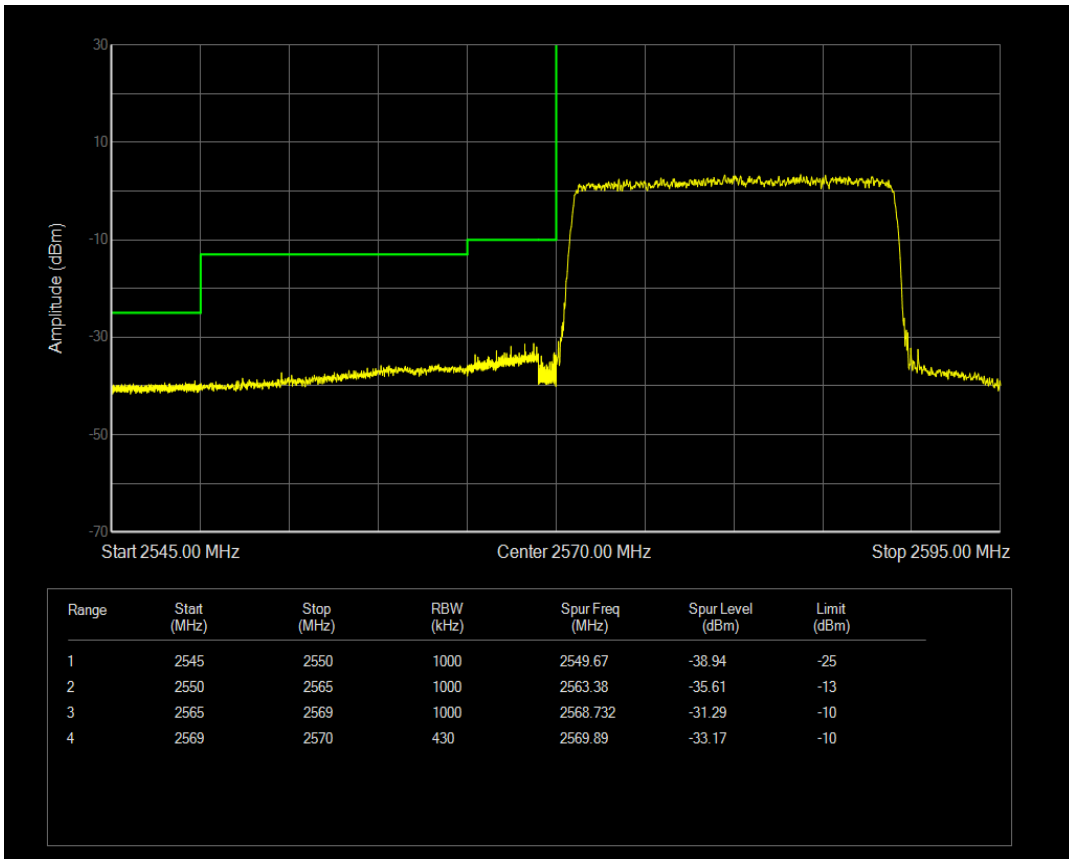
Band38 16QAM BW=15MHz Channel=38175 RB Size=75 Position=#0



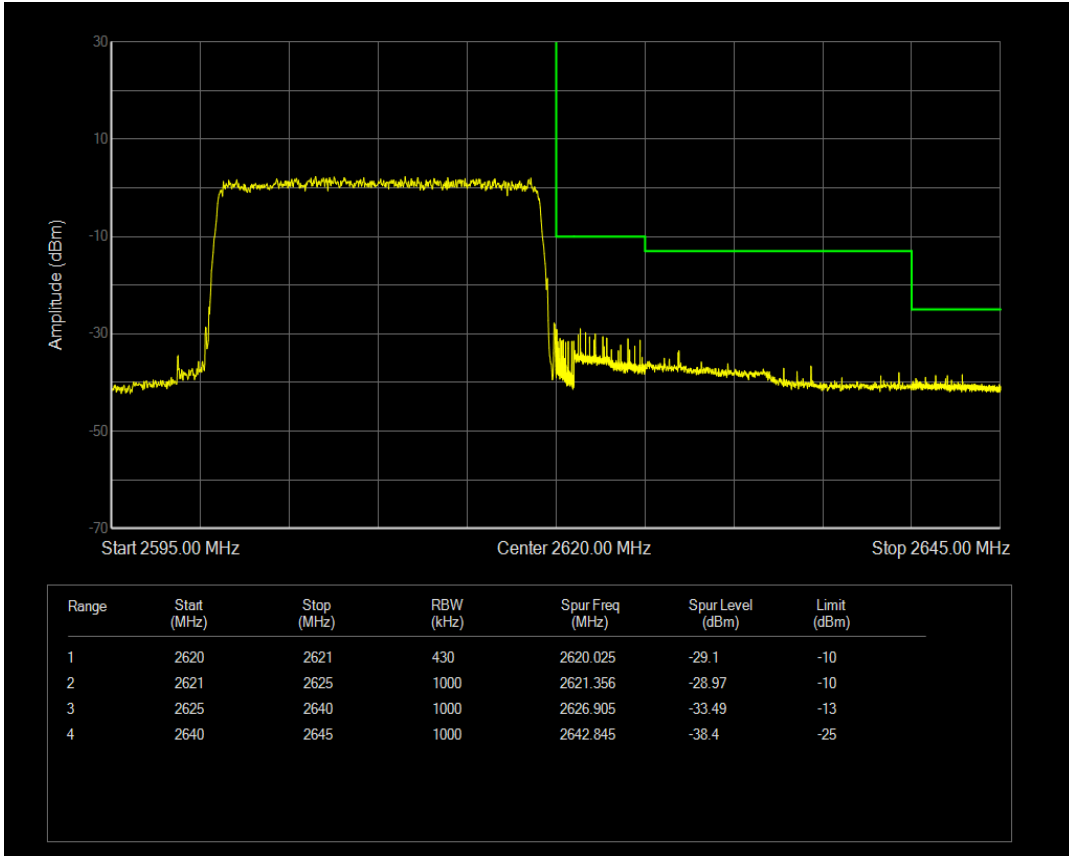
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



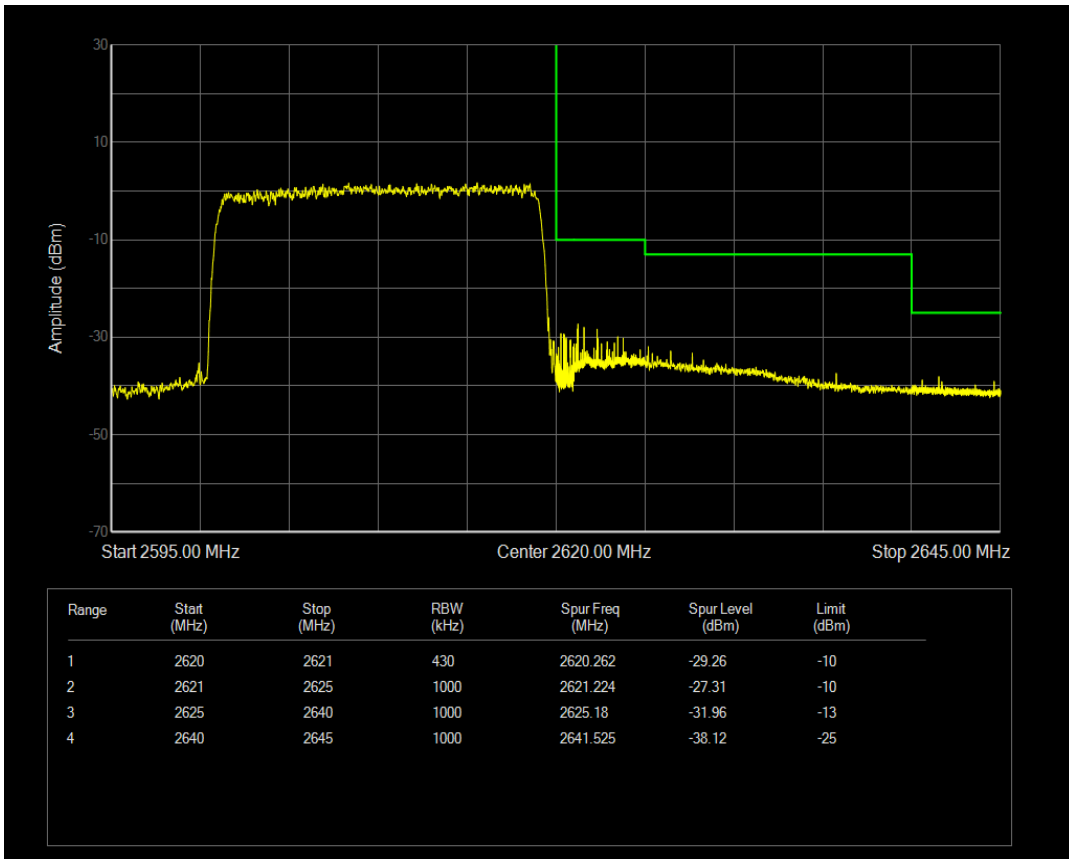
Band38 16QAM BW=20MHz Channel=37850 RB Size=100 Position=#0



Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



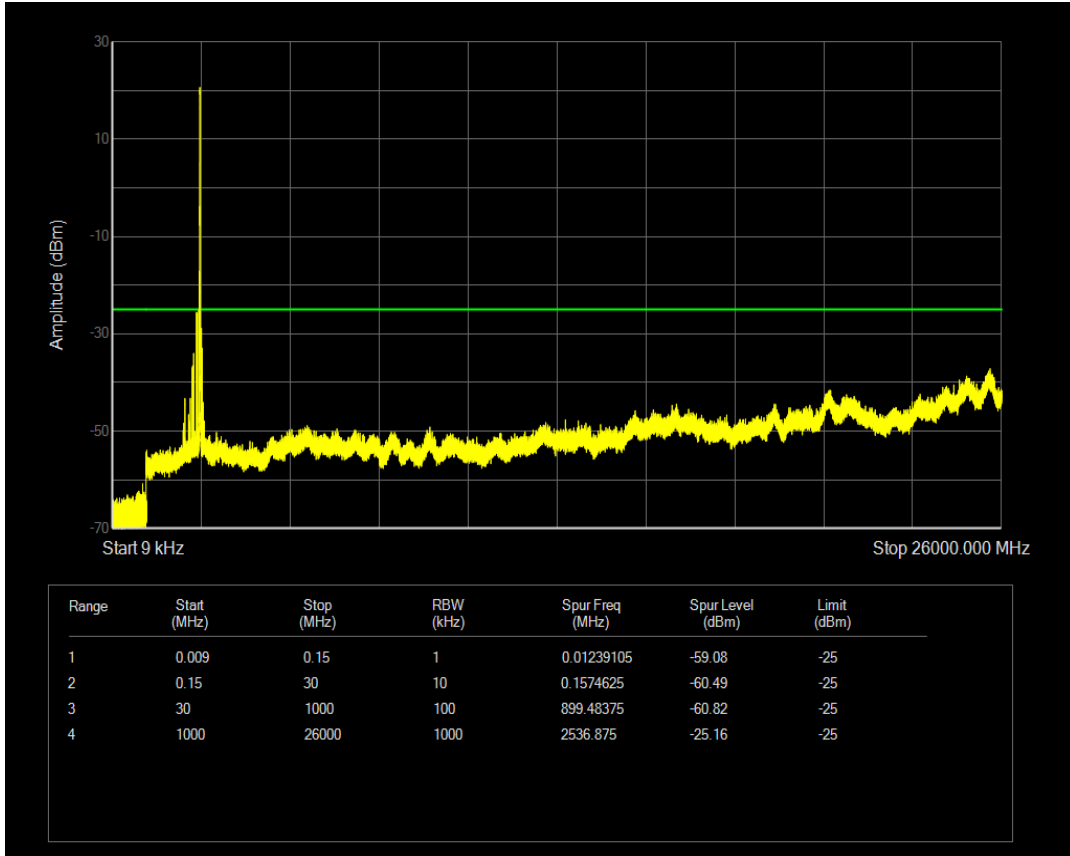
Band38 16QAM BW=20MHz Channel=38150 RB Size=100 Position=#0



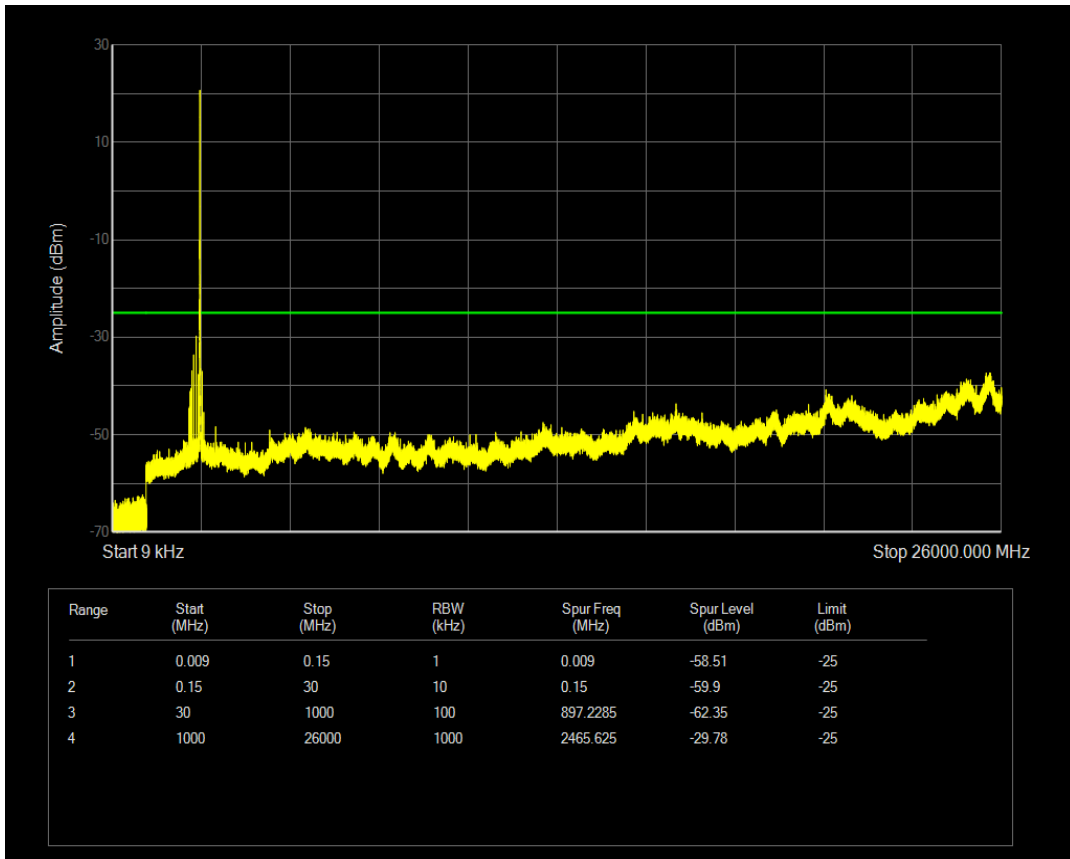
Appendix 6. Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band38	5	37775	25	#0	QPSK	2536.88	-25.16	-25	PASS
Band38	5	37775	25	#0	16QAM	2465.63	-29.78	-25	PASS
Band38	5	38000	25	#0	QPSK	2397.50	-34.34	-25	PASS
Band38	5	38000	25	#0	16QAM	2532.50	-28.37	-25	PASS
Band38	5	38225	25	#0	QPSK	2525.00	-27.92	-25	PASS
Band38	5	38225	25	#0	16QAM	2490.00	-31.03	-25	PASS
Band38	10	37800	50	#0	QPSK	2506.25	-27.43	-25	PASS
Band38	10	37800	50	#0	16QAM	2495.63	-30.45	-25	PASS
Band38	10	38000	50	#0	QPSK	2449.38	-35.72	-25	PASS
Band38	10	38000	50	#0	16QAM	2460.63	-28.90	-25	PASS
Band38	10	38200	50	#0	QPSK	2468.13	-28.54	-25	PASS
Band38	10	38200	50	#0	16QAM	2505.00	-29.28	-25	PASS
Band38	15	37825	75	#0	QPSK	2456.25	-30.5	-25	PASS
Band38	15	37825	75	#0	16QAM	25650.63	-37.08	-25	PASS
Band38	15	38000	75	#0	QPSK	2489.38	-29.97	-25	PASS
Band38	15	38000	75	#0	16QAM	2503.13	-33.13	-25	PASS
Band38	15	38175	75	#0	QPSK	2470.63	-34.21	-25	PASS
Band38	15	38175	75	#0	16QAM	2490.63	-27.64	-25	PASS
Band38	20	37850	100	#0	QPSK	25594.38	-37.10	-25	PASS
Band38	20	37850	100	#0	16QAM	2448.13	-27.58	-25	PASS
Band38	20	38000	100	#0	QPSK	25651.25	-36.81	-25	PASS
Band38	20	38000	100	#0	16QAM	2409.38	-29.8	-25	PASS
Band38	20	38150	100	#0	QPSK	2434.38	-31.43	-25	PASS
Band38	20	38150	100	#0	16QAM	2432.50	-29.60	-25	PASS

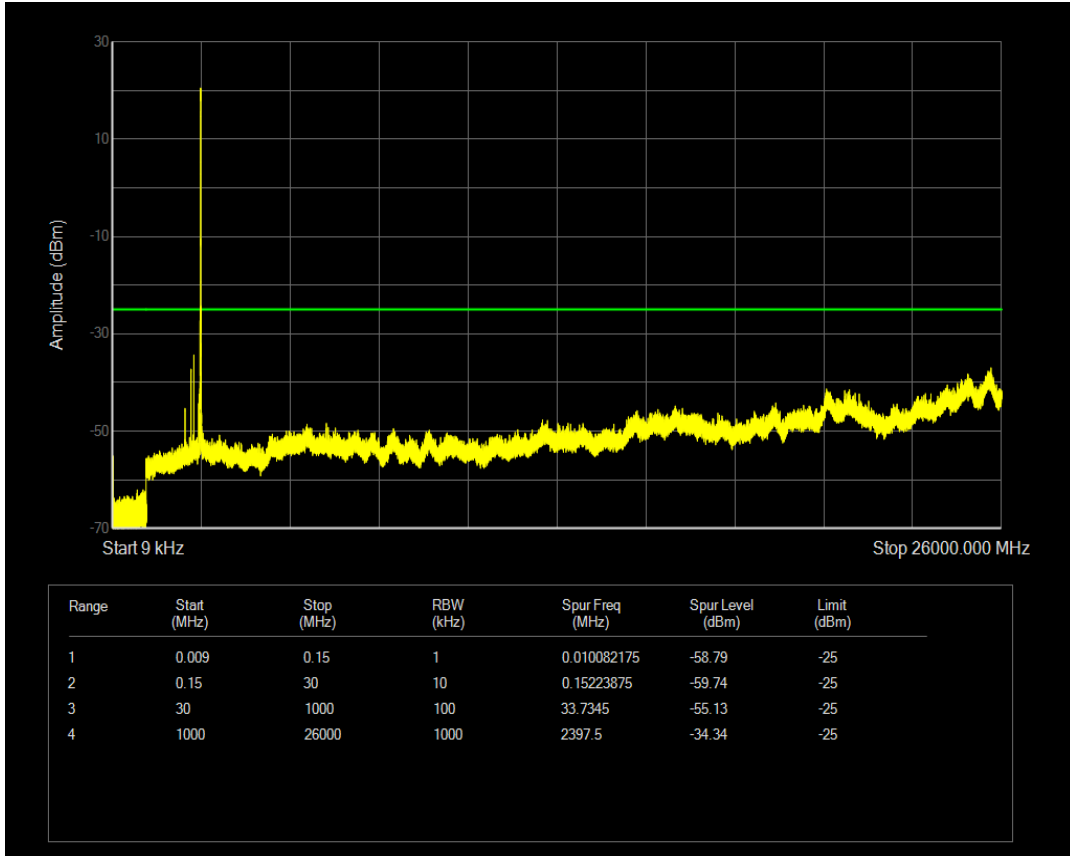
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



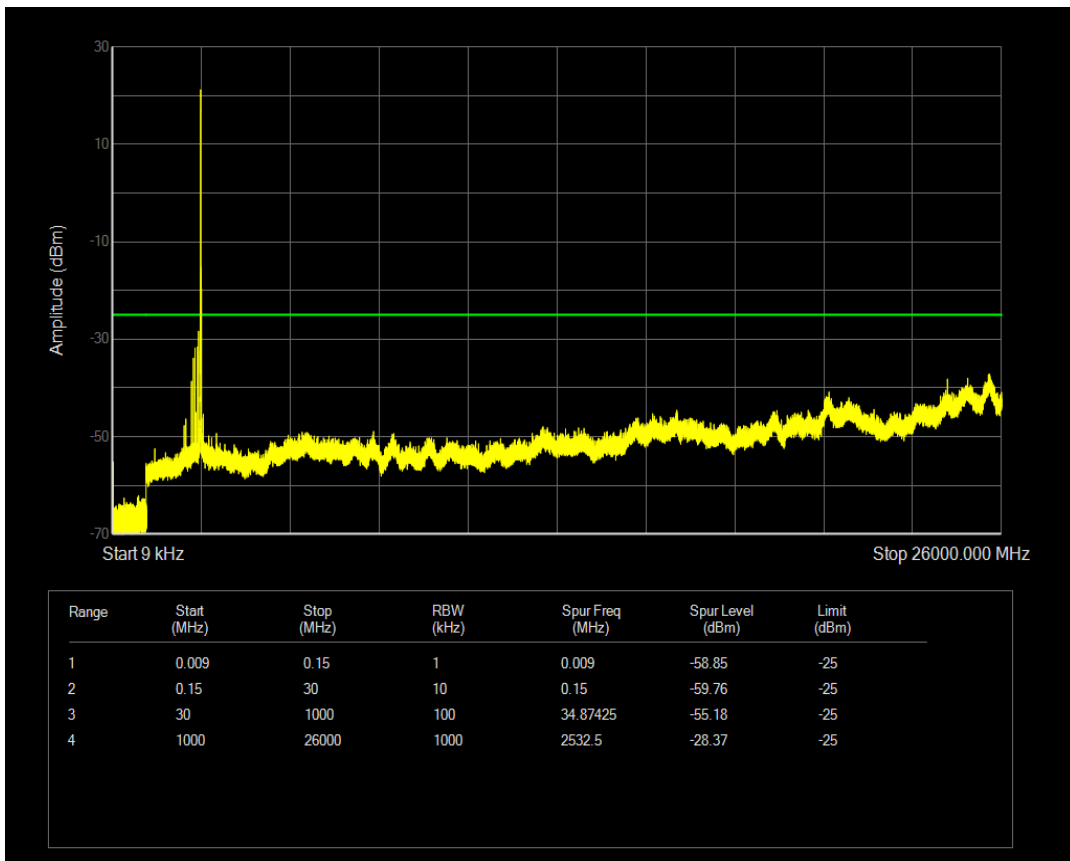
Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0



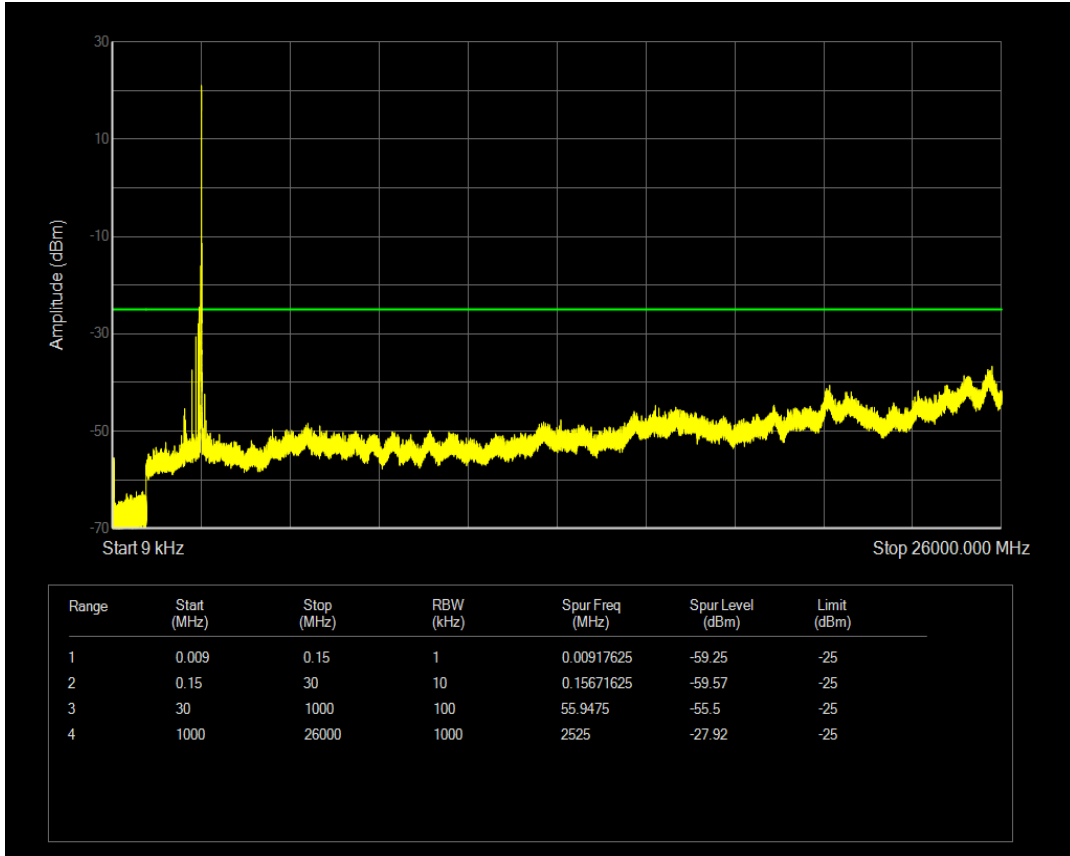
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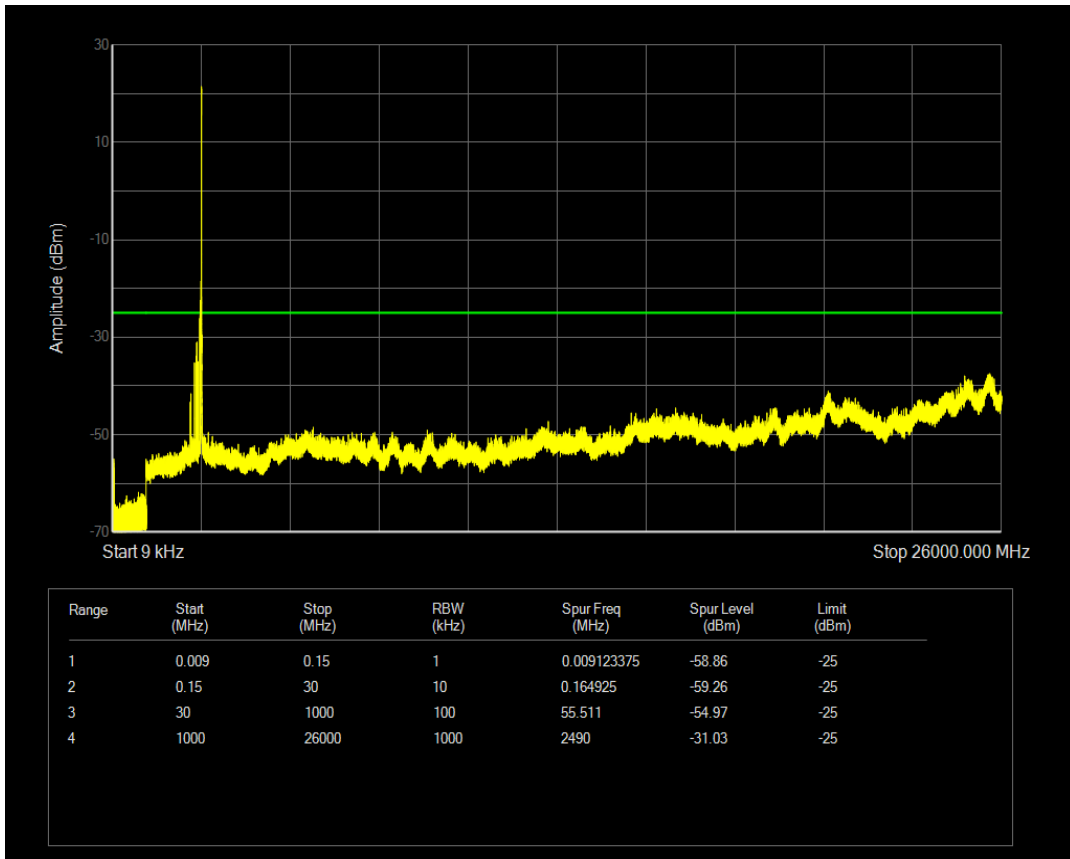
Band38 16QAM BW=5MHz Channel=38000 RB Size=25 Position=#0



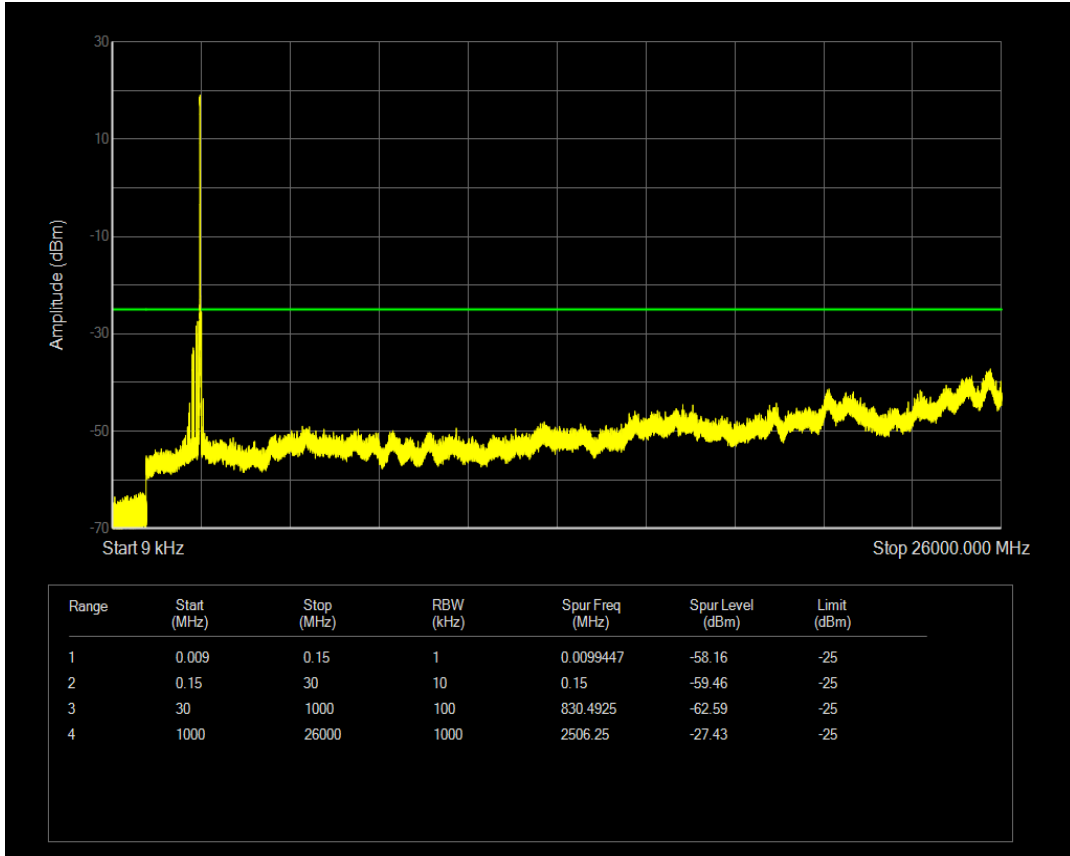
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



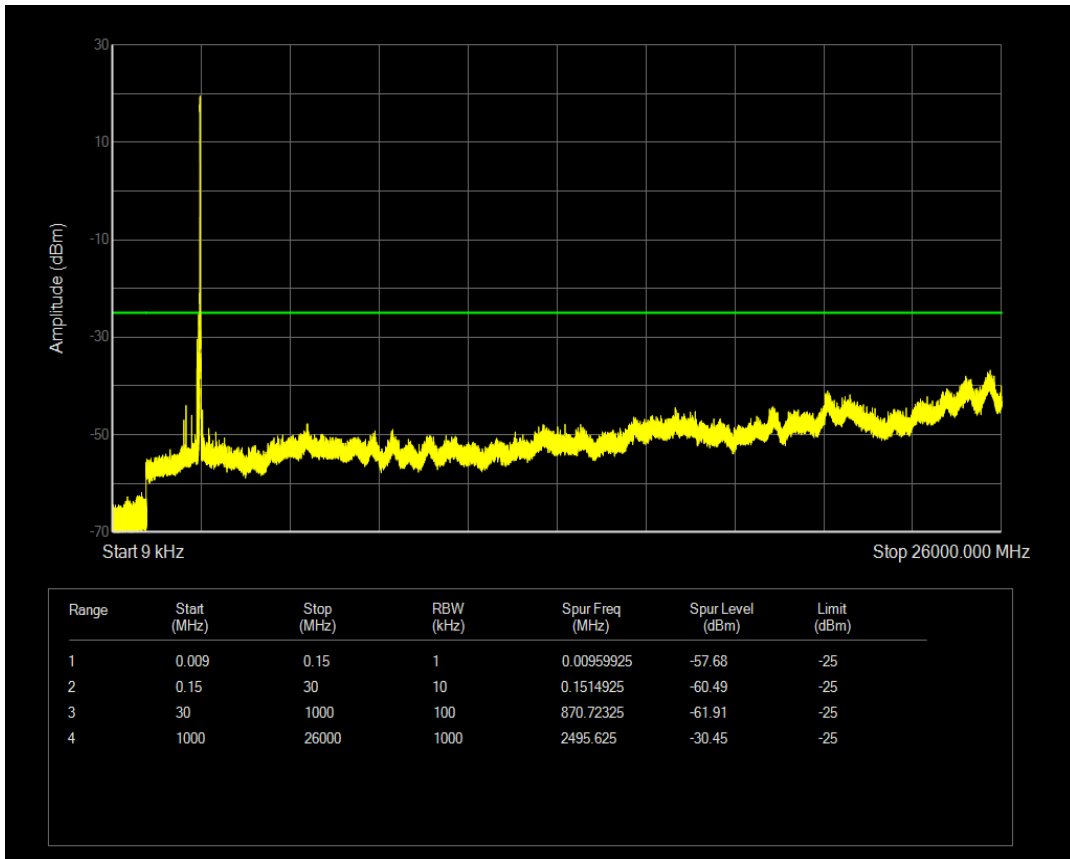
Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0



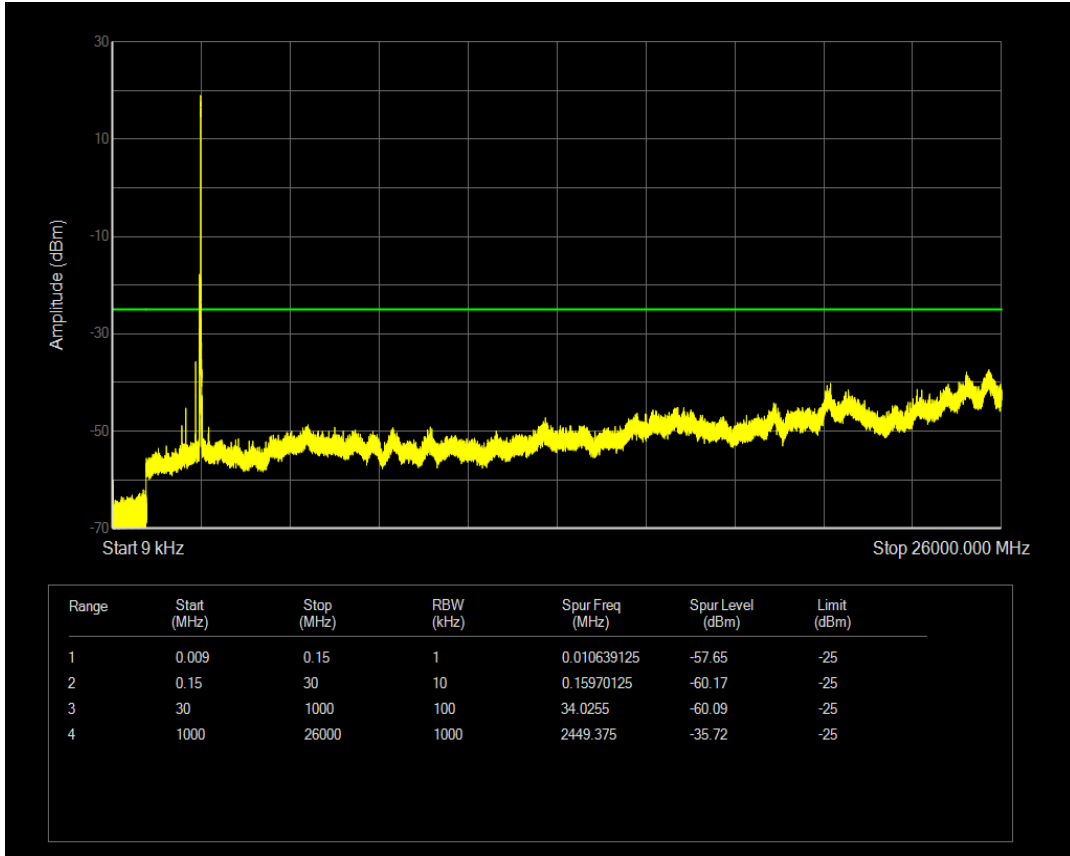
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



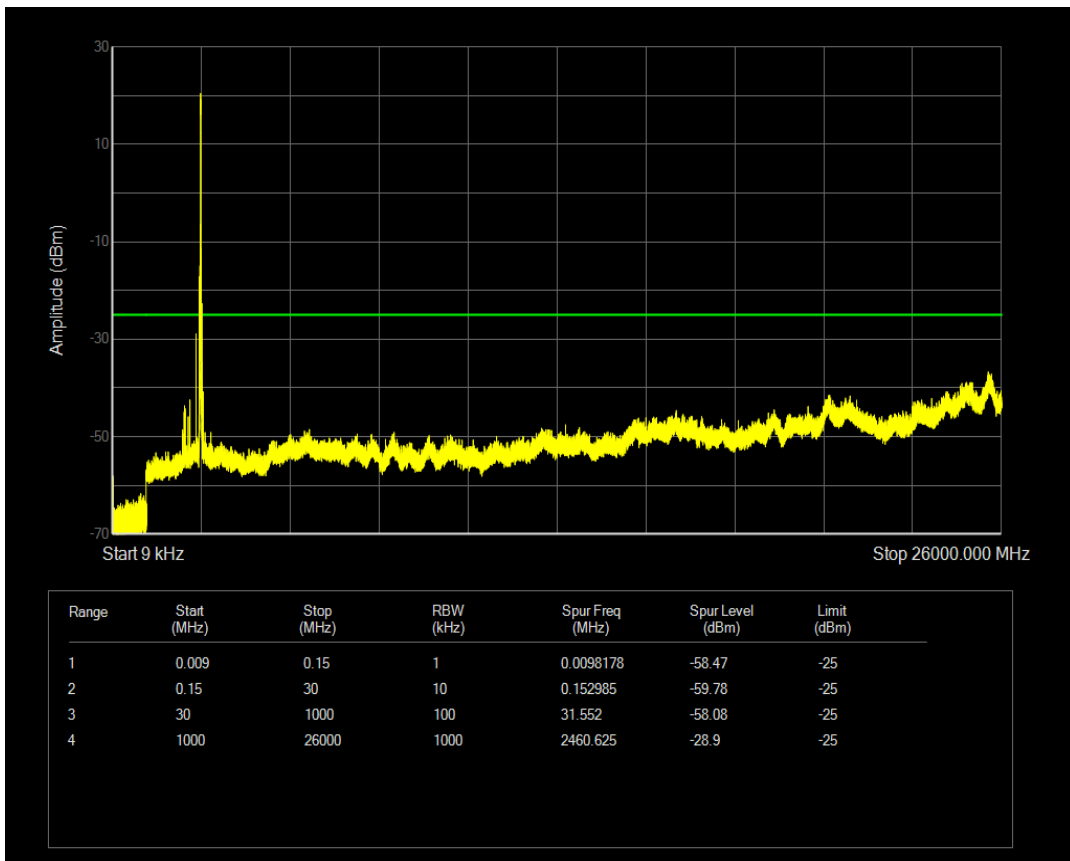
Band38 16QAM BW=10MHz Channel=37800 RB Size=50 Position=#0



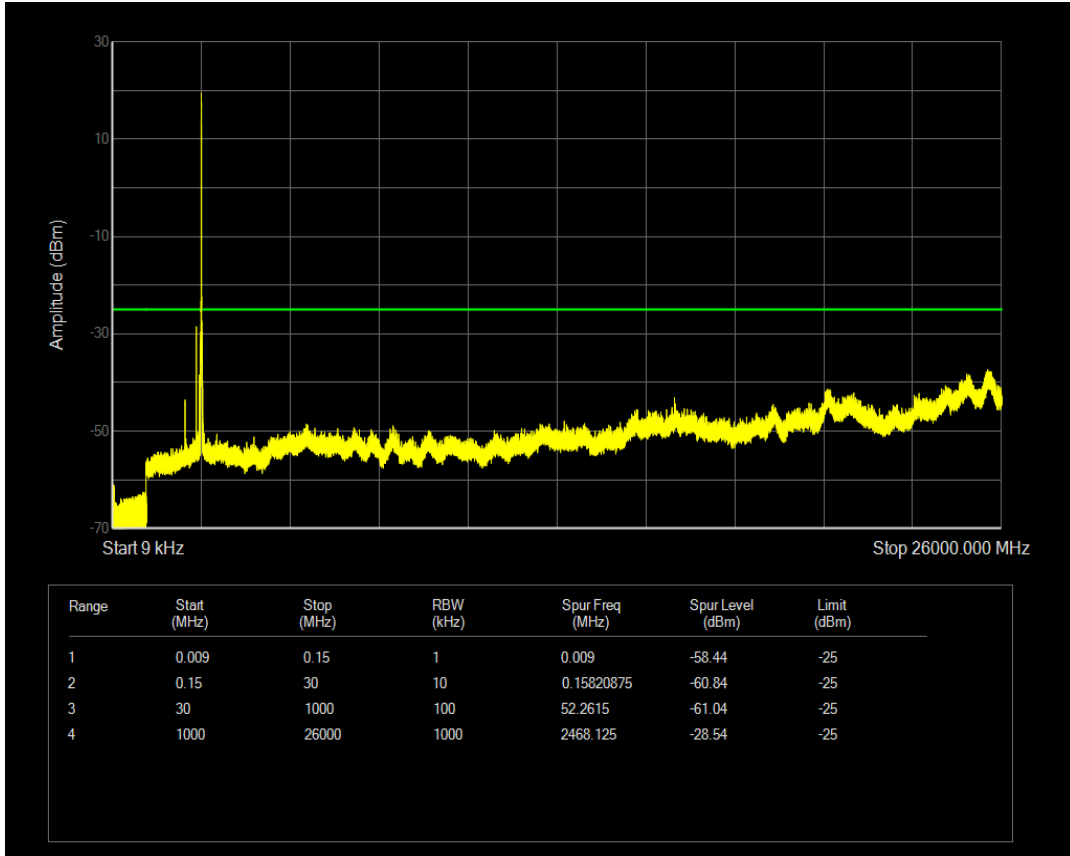
Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0



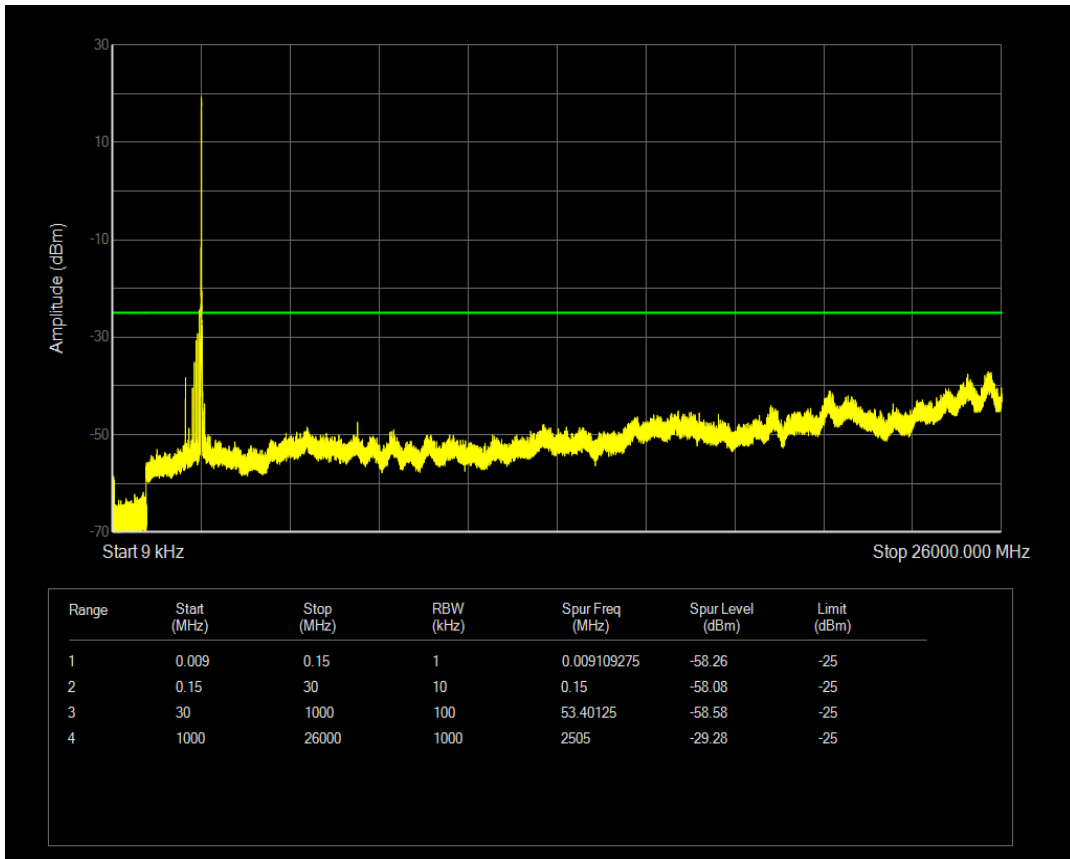
Band38 16QAM BW=10MHz Channel=38000 RB Size=50 Position=#0



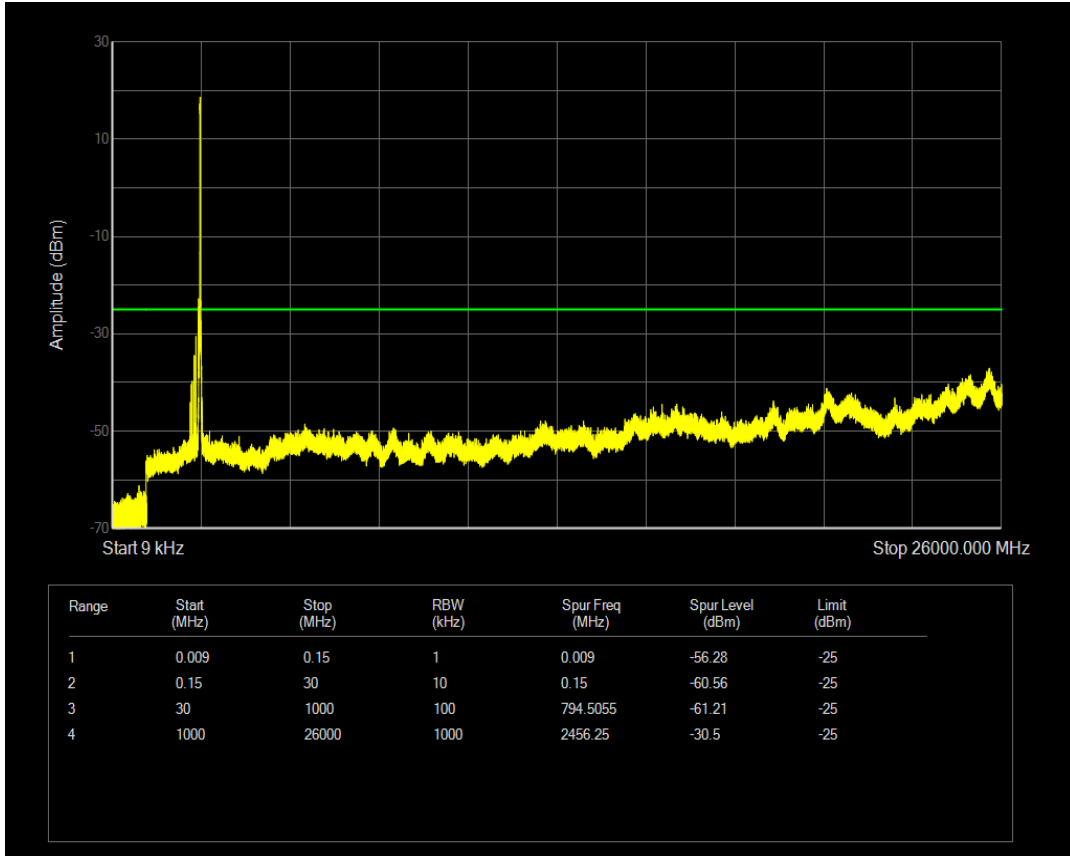
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



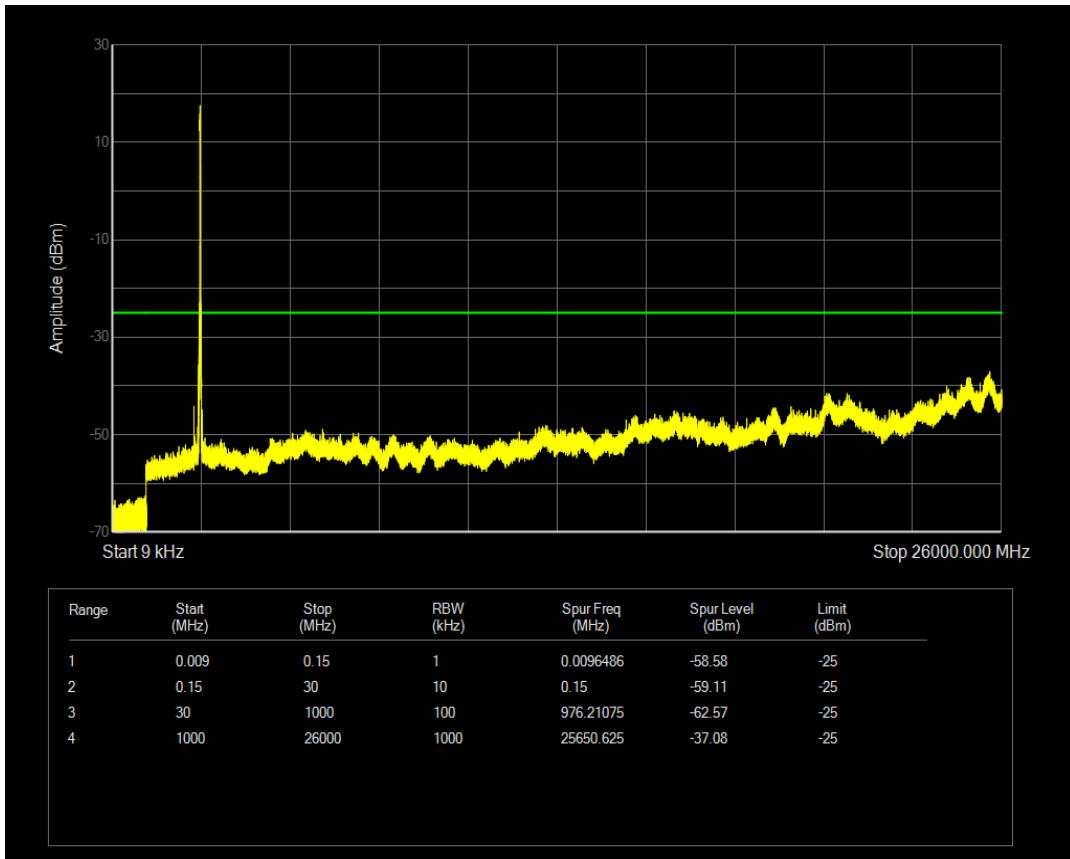
Band38 16QAM BW=10MHz Channel=38200 RB Size=50 Position=#0



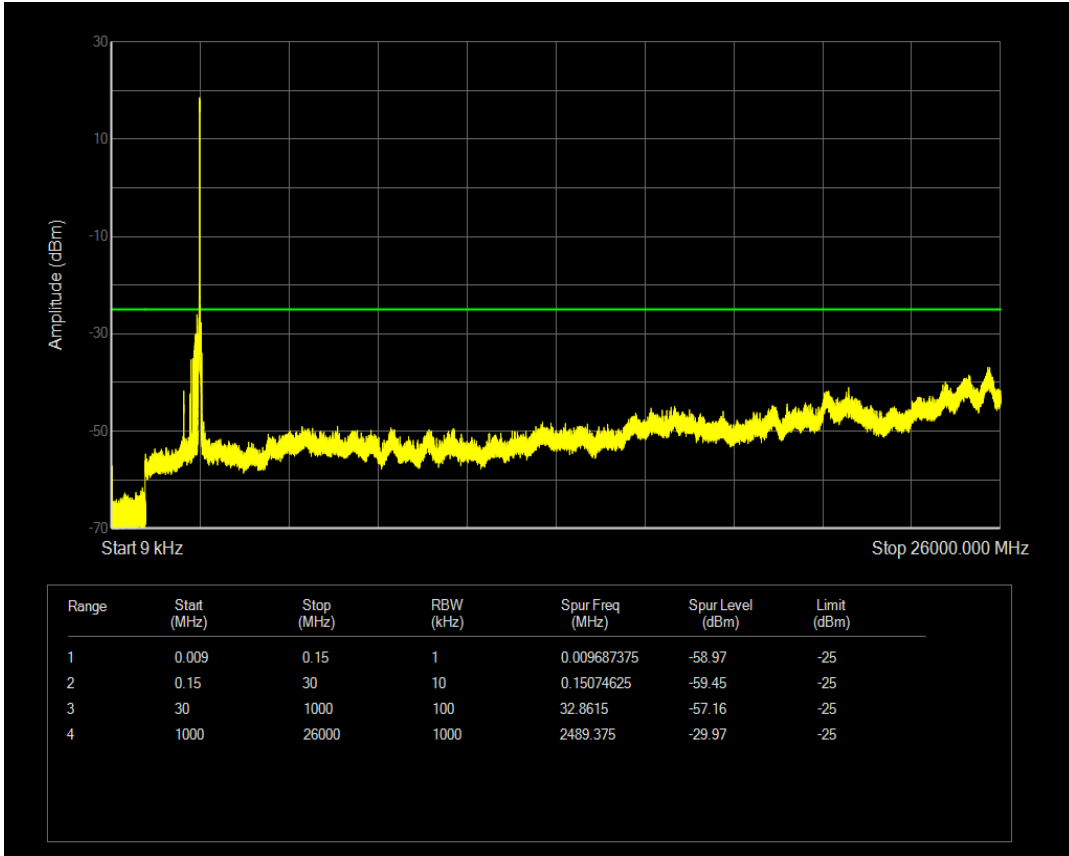
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



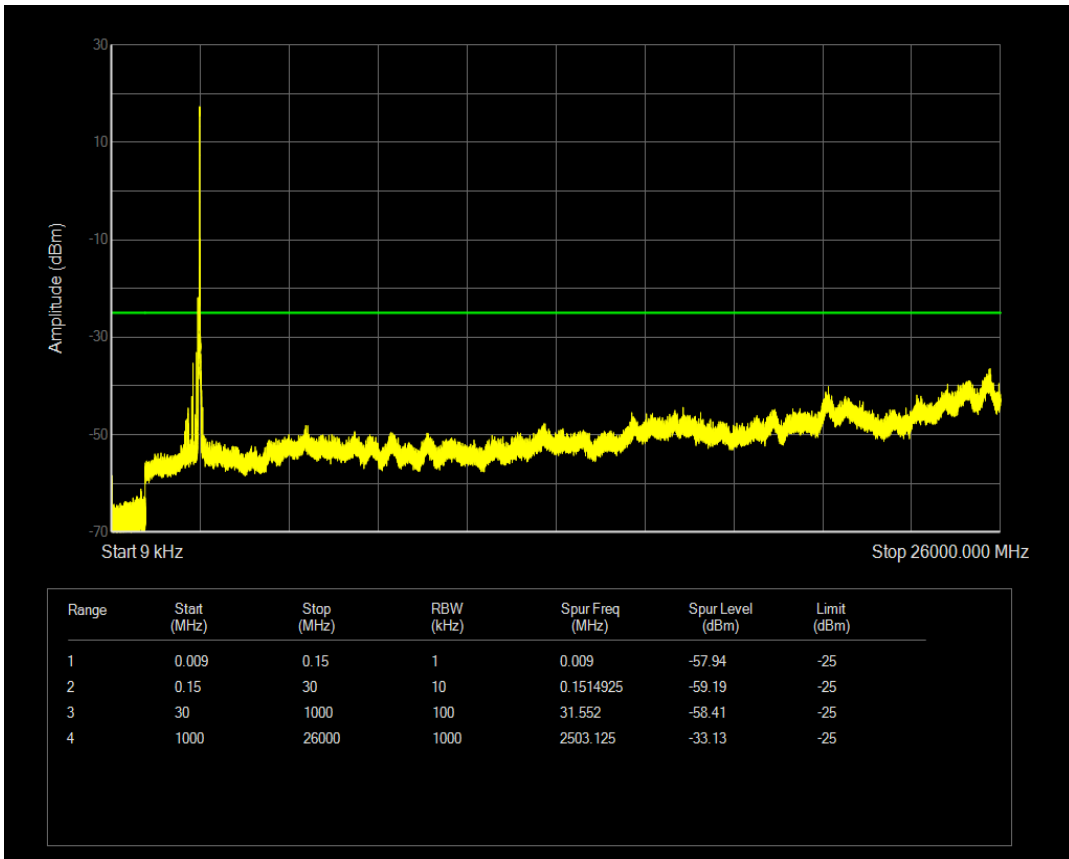
Band38 16QAM BW=15MHz Channel=37825 RB Size=75 Position=#0



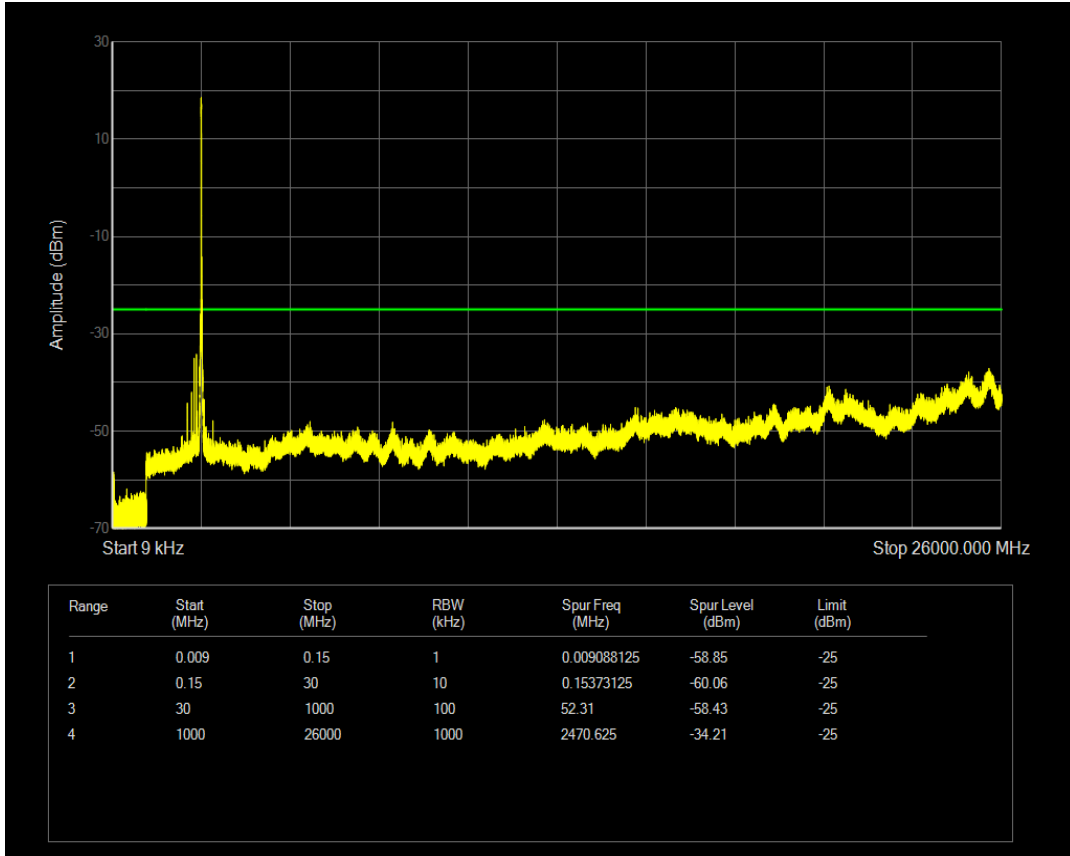
Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0



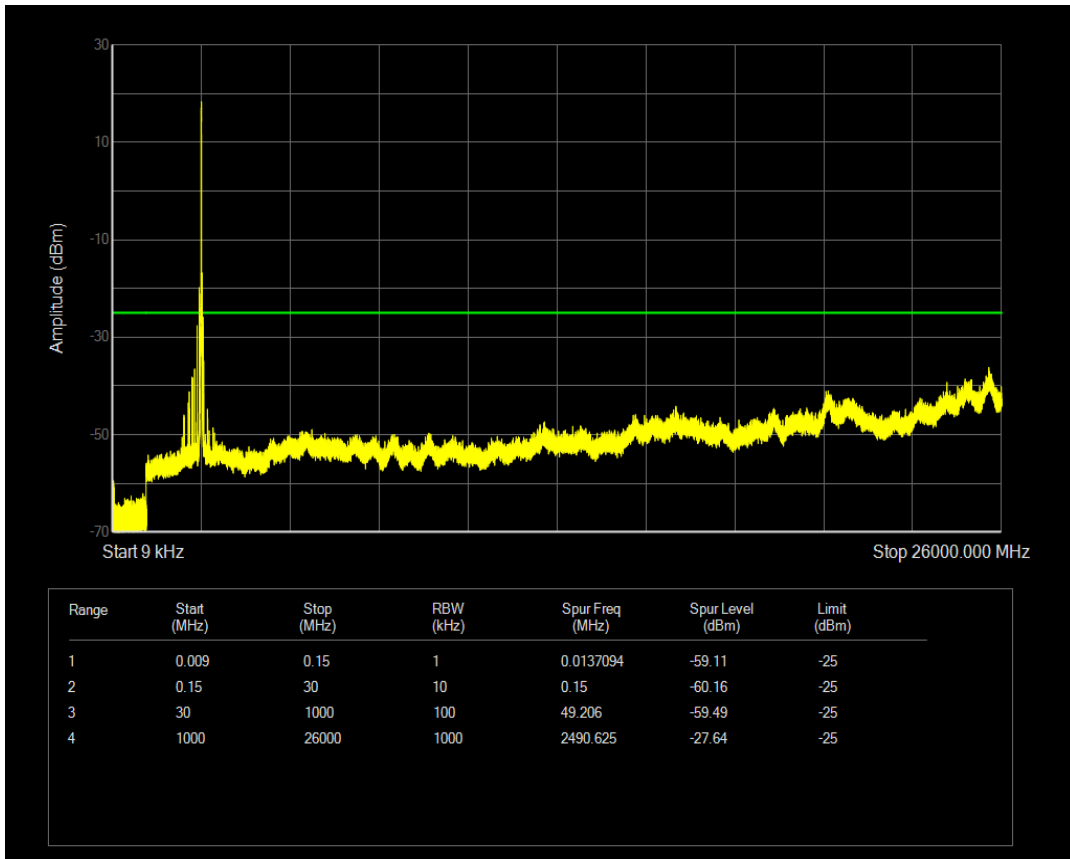
Band38 16QAM BW=15MHz Channel=38000 RB Size=75 Position=#0



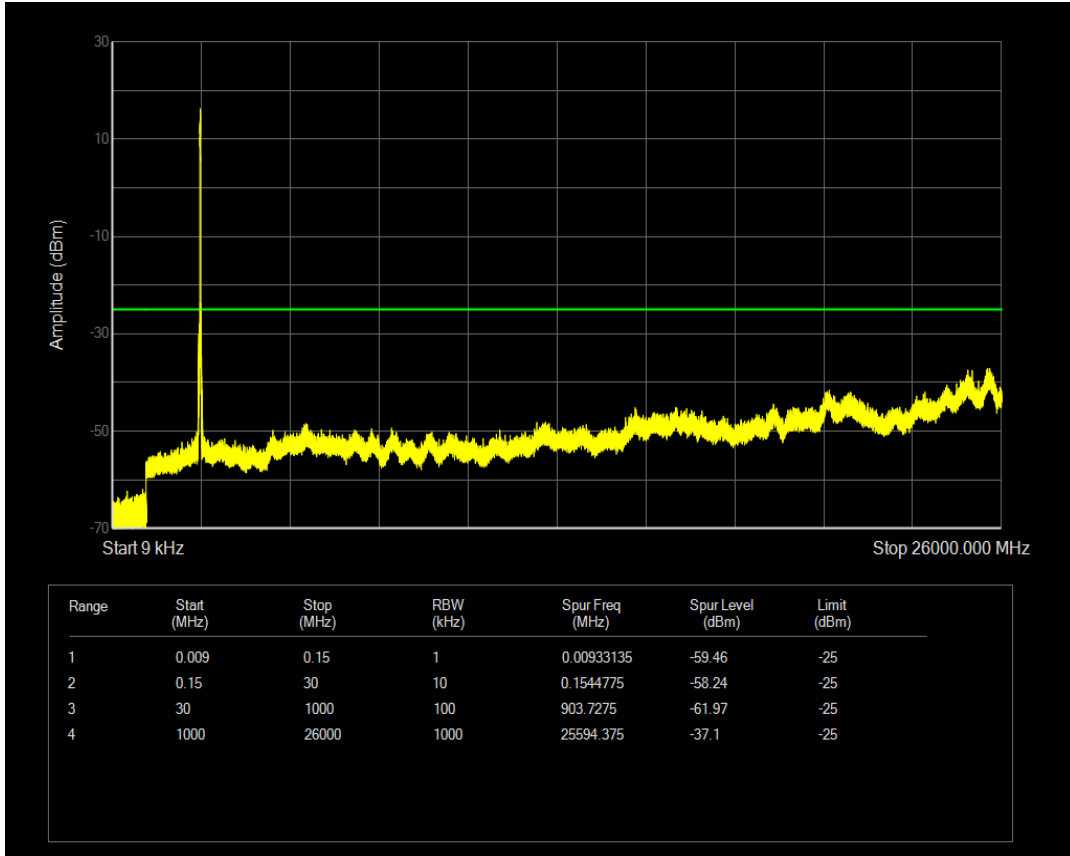
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



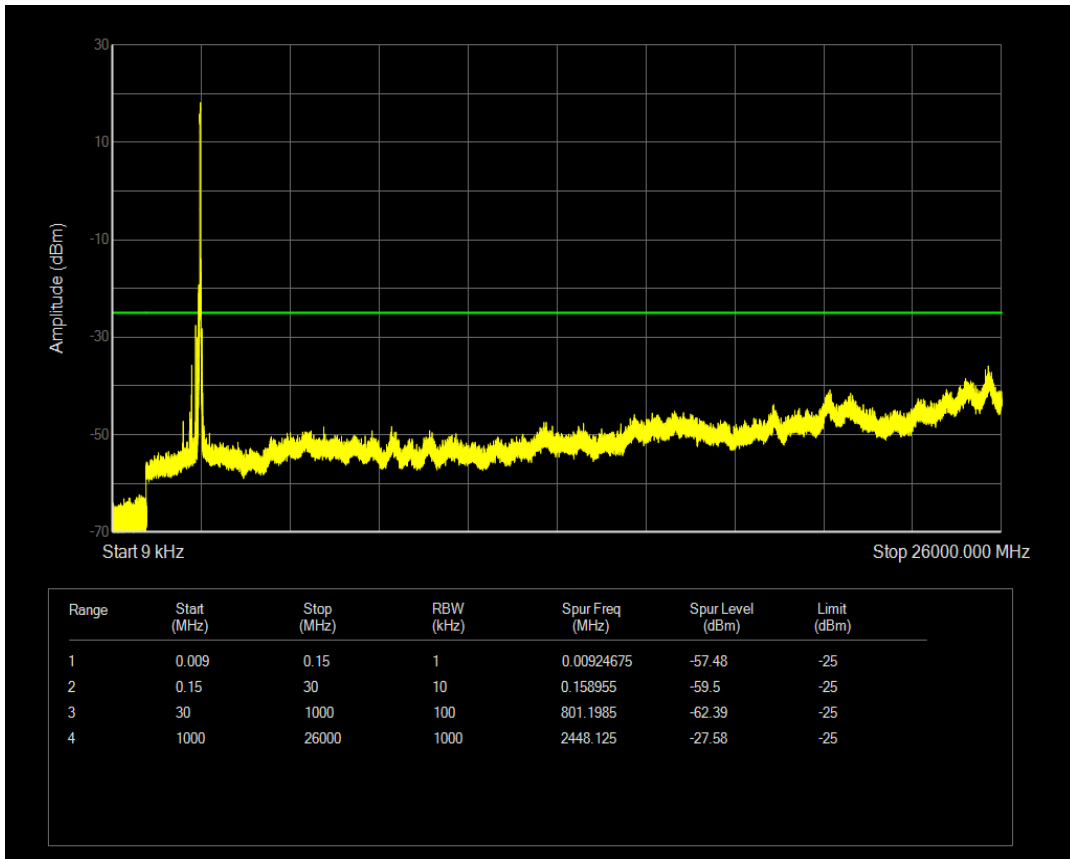
Band38 16QAM BW=15MHz Channel=38175 RB Size=75 Position=#0



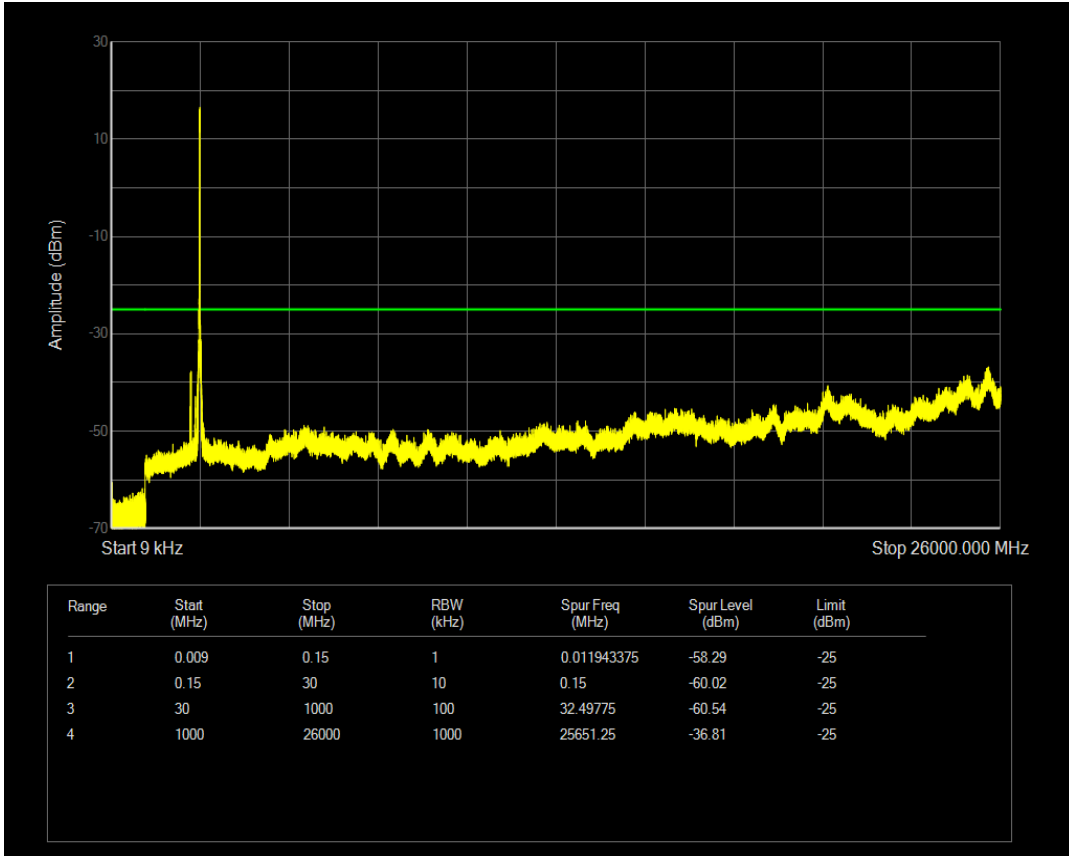
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



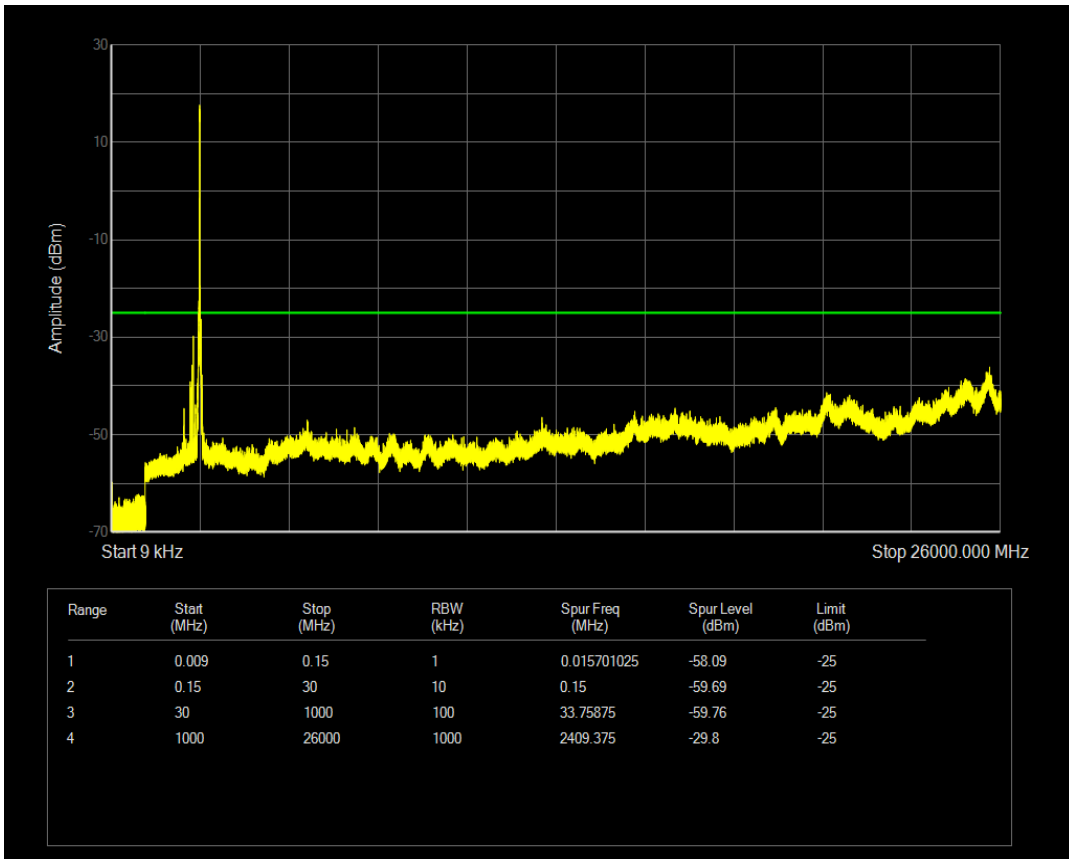
Band38 16QAM BW=20MHz Channel=37850 RB Size=100 Position=#0



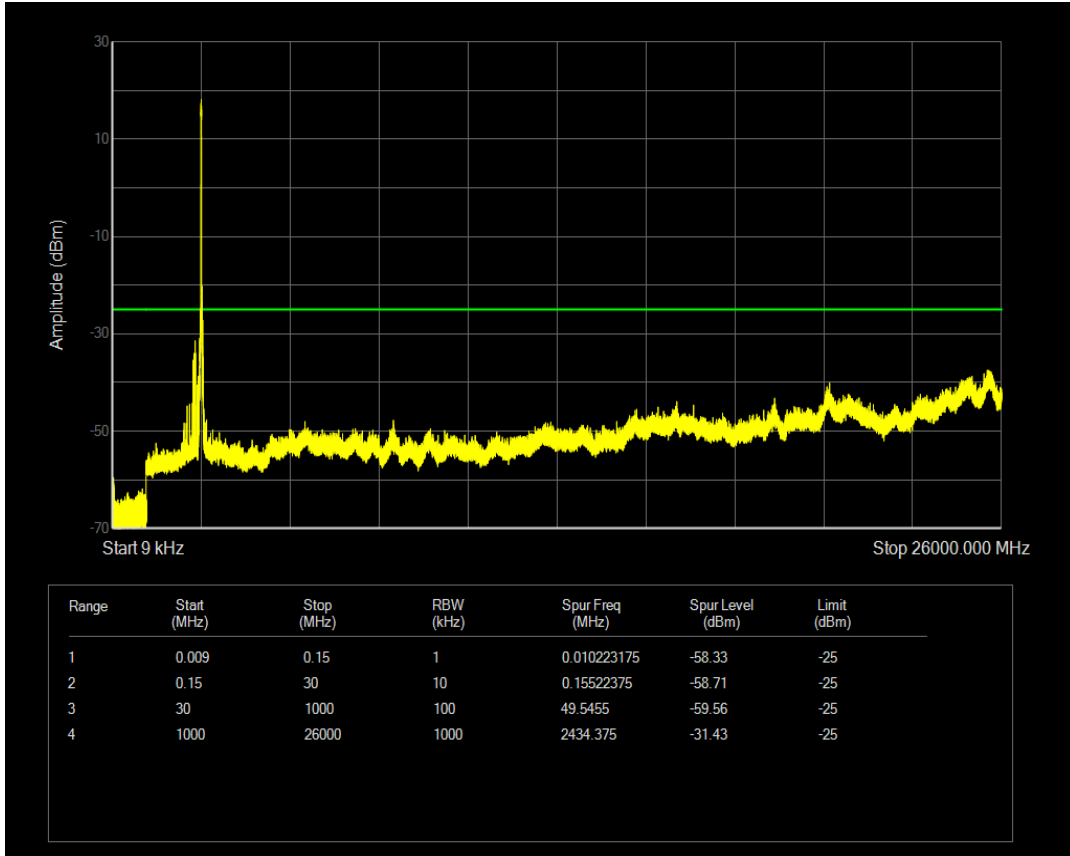
Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0



Band38 16QAM BW=20MHz Channel=38000 RB Size=100 Position=#0



Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



Band38 16QAM BW=20MHz Channel=38150 RB Size=100 Position=#0

