

Band 38

Report No.: BCTC2310798345-2E

Applicant: SEEWORLD Technology Co.,Ltd

Product Name: Gps Tracker

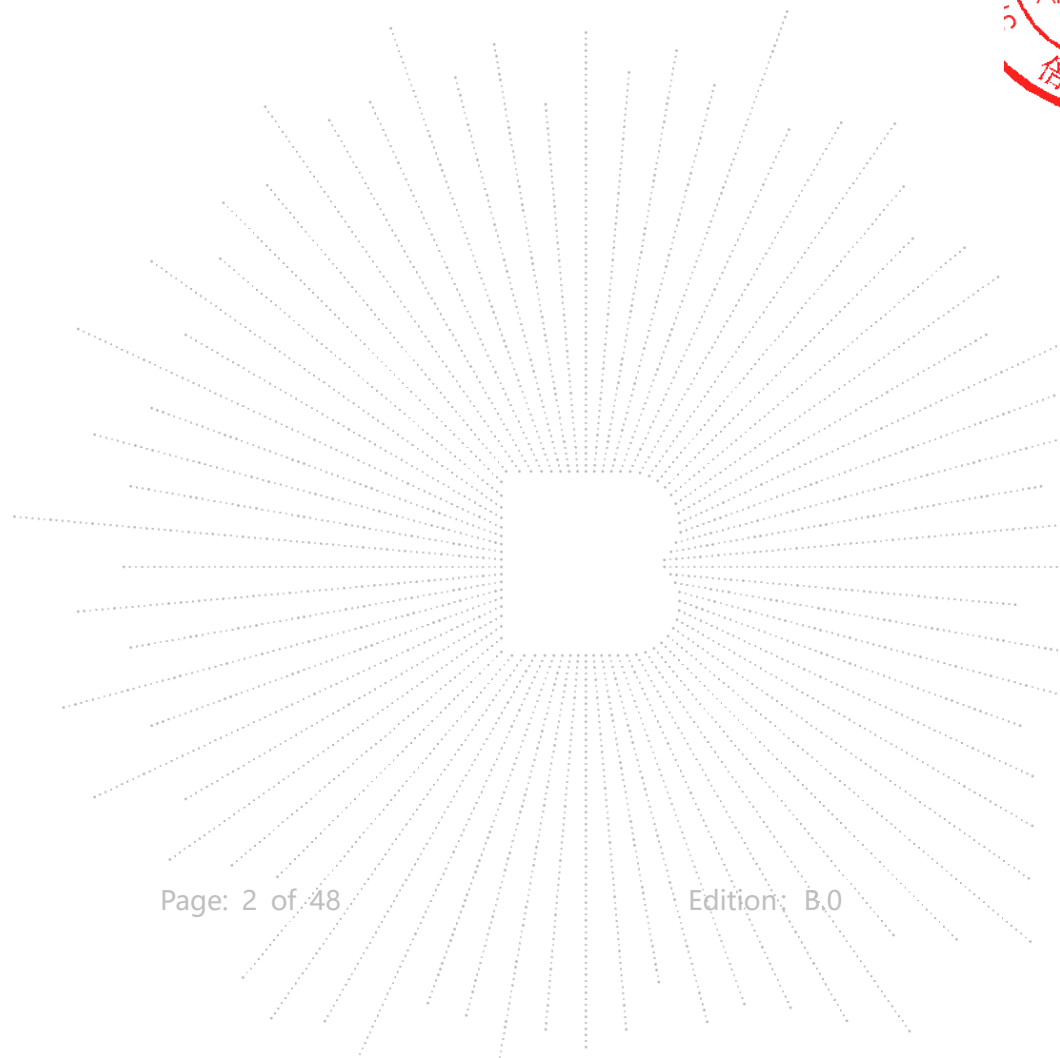
Model/Type
reference: W18L

Tested Date: 2023-10-19 to 2023-11-24

Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1. Effective Isotropic Radiated Power.....	3
Appendix 2. Frequency stability.....	6
Appendix 3. Peak-to-Average Ratio	11
Appendix 4. Occupied bandwidth	21
Appendix 5. Band edge	31
Appendix 6. Out-of-band emissions	38



Appendix 1. Effective Isotropic Radiated Power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band38	5	37775	1	#0	QPSK	22.90	1.7	24.60	PASS
Band38	5	37775	1	#Mid	QPSK	22.86	1.7	24.56	PASS
Band38	5	37775	1	#Max	QPSK	22.82	1.7	24.52	PASS
Band38	5	37775	12	#0	QPSK	21.83	1.7	23.53	PASS
Band38	5	37775	12	#Mid	QPSK	21.88	1.7	23.58	PASS
Band38	5	37775	12	#Max	QPSK	21.84	1.7	23.54	PASS
Band38	5	37775	25	#0	QPSK	21.85	1.7	23.55	PASS
Band38	5	37775	1	#0	16QAM	22.32	1.7	24.02	PASS
Band38	5	37775	1	#Mid	16QAM	22.20	1.7	23.90	PASS
Band38	5	37775	1	#Max	16QAM	22.23	1.7	23.93	PASS
Band38	5	37775	12	#0	16QAM	20.83	1.7	22.53	PASS
Band38	5	37775	12	#Mid	16QAM	20.89	1.7	22.59	PASS
Band38	5	37775	12	#Max	16QAM	20.81	1.7	22.51	PASS
Band38	5	37775	25	#0	16QAM	20.88	1.7	22.58	PASS
Band38	5	38000	1	#0	QPSK	23.13	1.7	24.83	PASS
Band38	5	38000	1	#Mid	QPSK	23.15	1.7	24.85	PASS
Band38	5	38000	1	#Max	QPSK	23.16	1.7	24.86	PASS
Band38	5	38000	12	#0	QPSK	22.14	1.7	23.84	PASS
Band38	5	38000	12	#Mid	QPSK	22.21	1.7	23.91	PASS
Band38	5	38000	12	#Max	QPSK	22.16	1.7	23.86	PASS
Band38	5	38000	25	#0	QPSK	22.14	1.7	23.84	PASS
Band38	5	38000	1	#0	16QAM	22.44	1.7	24.14	PASS
Band38	5	38000	1	#Mid	16QAM	22.56	1.7	24.26	PASS
Band38	5	38000	1	#Max	16QAM	22.57	1.7	24.27	PASS
Band38	5	38000	12	#0	16QAM	21.18	1.7	22.88	PASS
Band38	5	38000	12	#Mid	16QAM	21.26	1.7	22.96	PASS
Band38	5	38000	12	#Max	16QAM	21.19	1.7	22.89	PASS
Band38	5	38000	25	#0	16QAM	21.13	1.7	22.83	PASS
Band38	5	38225	1	#0	QPSK	23.00	1.7	24.70	PASS
Band38	5	38225	1	#Mid	QPSK	22.94	1.7	24.64	PASS
Band38	5	38225	1	#Max	QPSK	22.94	1.7	24.64	PASS
Band38	5	38225	12	#0	QPSK	21.87	1.7	23.57	PASS
Band38	5	38225	12	#Mid	QPSK	21.92	1.7	23.62	PASS
Band38	5	38225	12	#Max	QPSK	21.92	1.7	23.62	PASS
Band38	5	38225	25	#0	QPSK	21.85	1.7	23.55	PASS
Band38	5	38225	1	#0	16QAM	22.67	1.7	24.37	PASS
Band38	5	38225	1	#Mid	16QAM	22.54	1.7	24.24	PASS

Band38	5	38225	1	#Max	16QAM	22.60	1.7	24.30	PASS
Band38	5	38225	12	#0	16QAM	20.94	1.7	22.64	PASS
Band38	5	38225	12	#Mid	16QAM	20.99	1.7	22.69	PASS
Band38	5	38225	12	#Max	16QAM	20.99	1.7	22.69	PASS
Band38	5	38225	25	#0	16QAM	20.88	1.7	22.58	PASS
Band38	10	37800	1	#0	QPSK	22.80	1.7	24.50	PASS
Band38	10	37800	1	#Mid	QPSK	22.85	1.7	24.55	PASS
Band38	10	37800	1	#Max	QPSK	22.77	1.7	24.47	PASS
Band38	10	37800	25	#0	QPSK	21.64	1.7	23.34	PASS
Band38	10	37800	25	#Mid	QPSK	21.83	1.7	23.53	PASS
Band38	10	37800	25	#Max	QPSK	21.69	1.7	23.39	PASS
Band38	10	37800	50	#0	QPSK	21.70	1.7	23.40	PASS
Band38	10	38000	1	#0	QPSK	23.05	1.7	24.75	PASS
Band38	10	38000	1	#Mid	QPSK	23.16	1.7	24.86	PASS
Band38	10	38000	1	#Max	QPSK	23.21	1.7	24.91	PASS
Band38	10	38000	25	#0	QPSK	21.93	1.7	23.63	PASS
Band38	10	38000	25	#Mid	QPSK	22.10	1.7	23.80	PASS
Band38	10	38000	25	#Max	QPSK	21.98	1.7	23.68	PASS
Band38	10	38000	50	#0	QPSK	21.97	1.7	23.67	PASS
Band38	10	38200	1	#0	QPSK	23.03	1.7	24.73	PASS
Band38	10	38200	1	#Mid	QPSK	22.96	1.7	24.66	PASS
Band38	10	38200	1	#Max	QPSK	22.91	1.7	24.61	PASS
Band38	10	38200	25	#0	QPSK	21.78	1.7	23.48	PASS
Band38	10	38200	25	#Mid	QPSK	21.89	1.7	23.59	PASS
Band38	10	38200	25	#Max	QPSK	21.80	1.7	23.50	PASS
Band38	10	38200	50	#0	QPSK	21.77	1.7	23.47	PASS
Band38	15	37825	1	#0	QPSK	22.83	1.7	24.53	PASS
Band38	15	37825	1	#Mid	QPSK	22.79	1.7	24.49	PASS
Band38	15	37825	1	#Max	QPSK	22.84	1.7	24.54	PASS
Band38	15	37825	36	#0	QPSK	21.70	1.7	23.40	PASS
Band38	15	37825	36	#Mid	QPSK	21.73	1.7	23.43	PASS
Band38	15	37825	36	#Max	QPSK	21.68	1.7	23.38	PASS
Band38	15	37825	75	#0	QPSK	22.43	1.7	24.13	PASS
Band38	15	38000	1	#0	QPSK	23.07	1.7	24.77	PASS
Band38	15	38000	1	#Mid	QPSK	23.24	1.7	24.94	PASS
Band38	15	38000	1	#Max	QPSK	23.18	1.7	24.88	PASS
Band38	15	38000	36	#0	QPSK	22.01	1.7	23.71	PASS
Band38	15	38000	36	#Mid	QPSK	22.19	1.7	23.89	PASS
Band38	15	38000	36	#Max	QPSK	22.10	1.7	23.80	PASS
Band38	15	38000	75	#0	QPSK	22.66	1.7	24.36	PASS
Band38	15	38175	1	#0	QPSK	23.25	1.7	24.95	PASS
Band38	15	38175	1	#Mid	QPSK	23.18	1.7	24.88	PASS

Band38	15	38175	1	#Max	QPSK	23.04	1.7	24.74	PASS
Band38	15	38175	36	#0	QPSK	22.09	1.7	23.79	PASS
Band38	15	38175	36	#Mid	QPSK	22.08	1.7	23.78	PASS
Band38	15	38175	36	#Max	QPSK	21.94	1.7	23.64	PASS
Band38	15	38175	75	#0	QPSK	22.70	1.7	24.40	PASS
Band38	20	37850	1	#0	QPSK	22.85	1.7	24.55	PASS
Band38	20	37850	1	#Mid	QPSK	22.93	1.7	24.63	PASS
Band38	20	37850	1	#Max	QPSK	22.91	1.7	24.61	PASS
Band38	20	37850	50	#0	QPSK	21.76	1.7	23.46	PASS
Band38	20	37850	50	#Mid	QPSK	21.83	1.7	23.53	PASS
Band38	20	37850	50	#Max	QPSK	21.76	1.7	23.46	PASS
Band38	20	37850	100	#0	QPSK	22.66	1.7	24.36	PASS
Band38	20	38000	1	#0	QPSK	22.91	1.7	24.61	PASS
Band38	20	38000	1	#Mid	QPSK	23.26	1.7	24.96	PASS
Band38	20	38000	1	#Max	QPSK	23.09	1.7	24.79	PASS
Band38	20	38000	50	#0	QPSK	21.96	1.7	23.66	PASS
Band38	20	38000	50	#Mid	QPSK	22.20	1.7	23.90	PASS
Band38	20	38000	50	#Max	QPSK	22.04	1.7	23.74	PASS
Band38	20	38000	100	#0	QPSK	22.70	1.7	24.40	PASS
Band38	20	38150	1	#0	QPSK	23.15	1.7	24.85	PASS
Band38	20	38150	1	#Mid	QPSK	23.16	1.7	24.86	PASS
Band38	20	38150	1	#Max	QPSK	22.86	1.7	24.56	PASS
Band38	20	38150	50	#0	QPSK	22.04	1.7	23.74	PASS
Band38	20	38150	50	#Mid	QPSK	22.10	1.7	23.80	PASS
Band38	20	38150	50	#Max	QPSK	21.87	1.7	23.57	PASS
Band38	20	38150	100	#0	QPSK	22.68	1.7	24.38	PASS

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	-8.25	-0.003	PASS
Band38	5	37775	25	#0	QPSK	NV	NT	1.36	0.001	PASS
Band38	5	37775	25	#0	QPSK	HV	NT	17.38	0.007	PASS
Band38	5	37775	25	#0	16QAM	LV	NT	4.08	0.002	PASS
Band38	5	37775	25	#0	16QAM	NV	NT	4.75	0.002	PASS
Band38	5	37775	25	#0	16QAM	HV	NT	13.00	0.005	PASS
Band38	5	38000	25	#0	QPSK	LV	NT	6.67	0.003	PASS
Band38	5	38000	25	#0	QPSK	NV	NT	-7.31	-0.003	PASS
Band38	5	38000	25	#0	QPSK	HV	NT	-10.74	-0.004	PASS
Band38	5	38000	25	#0	16QAM	LV	NT	1.73	0.001	PASS
Band38	5	38000	25	#0	16QAM	NV	NT	0.29	0.000	PASS
Band38	5	38000	25	#0	16QAM	HV	NT	1.22	0.000	PASS
Band38	5	38225	25	#0	QPSK	LV	NT	-0.73	0.000	PASS
Band38	5	38225	25	#0	QPSK	NV	NT	-11.29	-0.004	PASS
Band38	5	38225	25	#0	QPSK	HV	NT	4.36	0.002	PASS
Band38	5	38225	25	#0	16QAM	LV	NT	2.79	0.001	PASS
Band38	5	38225	25	#0	16QAM	NV	NT	10.29	0.004	PASS
Band38	5	38225	25	#0	16QAM	HV	NT	12.13	0.005	PASS
Band38	10	37800	50	#0	QPSK	LV	NT	-4.89	-0.002	PASS
Band38	10	37800	50	#0	QPSK	NV	NT	5.48	0.002	PASS
Band38	10	37800	50	#0	QPSK	HV	NT	7.71	0.003	PASS
Band38	10	38000	50	#0	QPSK	LV	NT	-4.05	-0.002	PASS
Band38	10	38000	50	#0	QPSK	NV	NT	-8.67	-0.003	PASS
Band38	10	38000	50	#0	QPSK	HV	NT	-0.86	0.000	PASS
Band38	10	38200	50	#0	QPSK	LV	NT	3.38	0.001	PASS
Band38	10	38200	50	#0	QPSK	NV	NT	4.03	0.002	PASS
Band38	10	38200	50	#0	QPSK	HV	NT	3.73	0.001	PASS
Band38	15	37825	75	#0	QPSK	LV	NT	2.73	0.001	PASS
Band38	15	37825	75	#0	QPSK	NV	NT	-0.93	0.000	PASS
Band38	15	37825	75	#0	QPSK	HV	NT	-8.37	-0.003	PASS
Band38	15	38000	75	#0	QPSK	LV	NT	8.53	0.003	PASS
Band38	15	38000	75	#0	QPSK	NV	NT	5.87	0.002	PASS
Band38	15	38000	75	#0	QPSK	HV	NT	-0.21	0.000	PASS
Band38	15	38175	75	#0	QPSK	LV	NT	-4.82	-0.002	PASS
Band38	15	38175	75	#0	QPSK	NV	NT	4.09	0.002	PASS
Band38	15	38175	75	#0	QPSK	HV	NT	-5.25	-0.002	PASS
Band38	20	37850	100	#0	QPSK	LV	NT	-7.22	-0.003	PASS

Band38	20	37850	100	#0	QPSK	NV	NT	-9.34	-0.004	PASS
Band38	20	37850	100	#0	QPSK	HV	NT	-5.87	-0.002	PASS
Band38	20	38000	100	#0	QPSK	LV	NT	3.92	0.002	PASS
Band38	20	38000	100	#0	QPSK	NV	NT	4.31	0.002	PASS
Band38	20	38000	100	#0	QPSK	HV	NT	-7.61	-0.003	PASS
Band38	20	38150	100	#0	QPSK	LV	NT	-3.33	-0.001	PASS
Band38	20	38150	100	#0	QPSK	NV	NT	4.76	0.002	PASS
Band38	20	38150	100	#0	QPSK	HV	NT	5.66	0.002	PASS

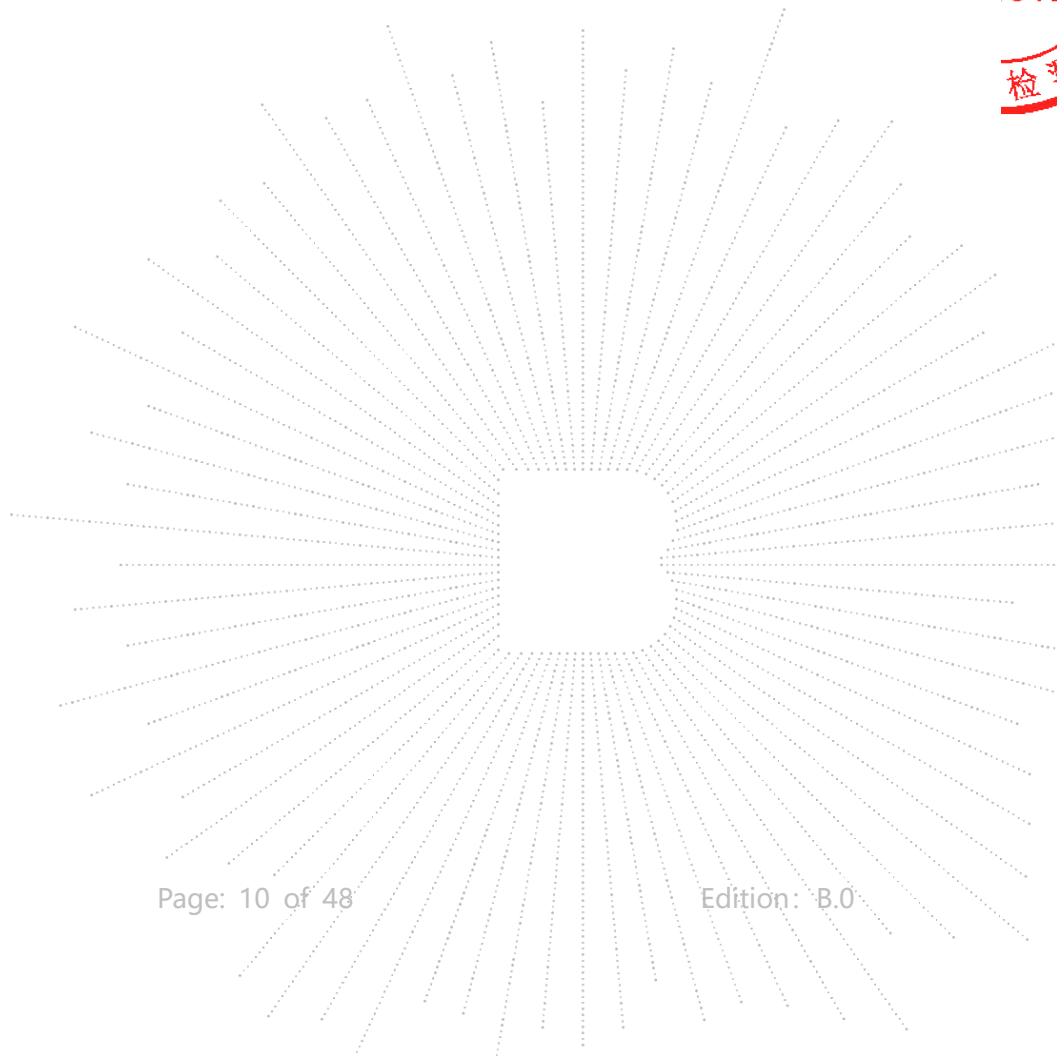
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band38	5	37775	25	#0	QPSK	NV	-30	-5.29	-0.002	PASS
Band38	5	37775	25	#0	QPSK	NV	-20	-2.79	-0.001	PASS
Band38	5	37775	25	#0	QPSK	NV	-10	-10.03	-0.004	PASS
Band38	5	37775	25	#0	QPSK	NV	0	-10.97	-0.004	PASS
Band38	5	37775	25	#0	QPSK	NV	10	1.87	0.001	PASS
Band38	5	37775	25	#0	QPSK	NV	20	-2.98	-0.001	PASS
Band38	5	37775	25	#0	QPSK	NV	30	-11.63	-0.005	PASS
Band38	5	37775	25	#0	QPSK	NV	40	14.82	0.006	PASS
Band38	5	37775	25	#0	QPSK	NV	50	7.85	0.003	PASS
Band38	5	37775	25	#0	16QAM	NV	-30	0.63	0.000	PASS
Band38	5	37775	25	#0	16QAM	NV	-20	0.17	0.000	PASS
Band38	5	37775	25	#0	16QAM	NV	-10	-0.27	0.000	PASS
Band38	5	37775	25	#0	16QAM	NV	0	4.75	0.002	PASS
Band38	5	37775	25	#0	16QAM	NV	10	-1.83	-0.001	PASS
Band38	5	37775	25	#0	16QAM	NV	20	-10.10	-0.004	PASS
Band38	5	37775	25	#0	16QAM	NV	30	-7.34	-0.003	PASS
Band38	5	37775	25	#0	16QAM	NV	40	9.54	0.004	PASS
Band38	5	37775	25	#0	16QAM	NV	50	9.17	0.004	PASS
Band38	5	38000	25	#0	QPSK	NV	-30	4.38	0.002	PASS
Band38	5	38000	25	#0	QPSK	NV	-20	-4.53	-0.002	PASS
Band38	5	38000	25	#0	QPSK	NV	-10	5.31	0.002	PASS
Band38	5	38000	25	#0	QPSK	NV	0	0.01	0.000	PASS
Band38	5	38000	25	#0	QPSK	NV	10	0.56	0.000	PASS
Band38	5	38000	25	#0	QPSK	NV	20	1.49	0.001	PASS
Band38	5	38000	25	#0	QPSK	NV	30	-2.23	-0.001	PASS
Band38	5	38000	25	#0	QPSK	NV	40	3.81	0.001	PASS
Band38	5	38000	25	#0	QPSK	NV	50	-4.15	-0.002	PASS
Band38	5	38000	25	#0	16QAM	NV	-30	11.57	0.004	PASS
Band38	5	38000	25	#0	16QAM	NV	-20	7.24	0.003	PASS
Band38	5	38000	25	#0	16QAM	NV	-10	-2.43	-0.001	PASS
Band38	5	38000	25	#0	16QAM	NV	0	-7.93	-0.003	PASS

Band38	5	38000	25	#0	16QAM	NV	10	5.42	0.002	PASS
Band38	5	38000	25	#0	16QAM	NV	20	6.82	0.003	PASS
Band38	5	38000	25	#0	16QAM	NV	30	-11.07	-0.004	PASS
Band38	5	38000	25	#0	16QAM	NV	40	8.40	0.003	PASS
Band38	5	38000	25	#0	16QAM	NV	50	-1.72	-0.001	PASS
Band38	5	38225	25	#0	QPSK	NV	-30	-1.76	-0.001	PASS
Band38	5	38225	25	#0	QPSK	NV	-20	-1.77	-0.001	PASS
Band38	5	38225	25	#0	QPSK	NV	-10	2.57	0.001	PASS
Band38	5	38225	25	#0	QPSK	NV	0	8.43	0.003	PASS
Band38	5	38225	25	#0	QPSK	NV	10	-2.73	-0.001	PASS
Band38	5	38225	25	#0	QPSK	NV	20	5.88	0.002	PASS
Band38	5	38225	25	#0	QPSK	NV	30	21.63	0.008	PASS
Band38	5	38225	25	#0	QPSK	NV	40	-12.37	-0.005	PASS
Band38	5	38225	25	#0	QPSK	NV	50	5.09	0.002	PASS
Band38	5	38225	25	#0	16QAM	NV	-30	-1.82	-0.001	PASS
Band38	5	38225	25	#0	16QAM	NV	-20	1.79	0.001	PASS
Band38	5	38225	25	#0	16QAM	NV	-10	-6.79	-0.003	PASS
Band38	5	38225	25	#0	16QAM	NV	0	-8.88	-0.003	PASS
Band38	5	38225	25	#0	16QAM	NV	10	9.74	0.004	PASS
Band38	5	38225	25	#0	16QAM	NV	20	6.01	0.002	PASS
Band38	5	38225	25	#0	16QAM	NV	30	-6.44	-0.002	PASS
Band38	5	38225	25	#0	16QAM	NV	40	10.66	0.004	PASS
Band38	5	38225	25	#0	16QAM	NV	50	2.70	0.001	PASS
Band38	10	37800	50	#0	QPSK	NV	-30	-7.47	-0.003	PASS
Band38	10	37800	50	#0	QPSK	NV	-20	-5.26	-0.002	PASS
Band38	10	37800	50	#0	QPSK	NV	-10	0.40	0.000	PASS
Band38	10	37800	50	#0	QPSK	NV	0	1.77	0.001	PASS
Band38	10	37800	50	#0	QPSK	NV	10	-3.82	-0.001	PASS
Band38	10	37800	50	#0	QPSK	NV	20	12.33	0.005	PASS
Band38	10	37800	50	#0	QPSK	NV	30	3.91	0.002	PASS
Band38	10	37800	50	#0	QPSK	NV	40	-1.09	0.000	PASS
Band38	10	37800	50	#0	QPSK	NV	50	-12.45	-0.005	PASS
Band38	10	38000	50	#0	QPSK	NV	-30	3.65	0.001	PASS
Band38	10	38000	50	#0	QPSK	NV	-20	-8.37	-0.003	PASS
Band38	10	38000	50	#0	QPSK	NV	-10	-2.72	-0.001	PASS
Band38	10	38000	50	#0	QPSK	NV	0	-9.26	-0.004	PASS
Band38	10	38000	50	#0	QPSK	NV	10	-2.59	-0.001	PASS
Band38	10	38000	50	#0	QPSK	NV	20	0.66	0.000	PASS
Band38	10	38000	50	#0	QPSK	NV	30	7.67	0.003	PASS
Band38	10	38000	50	#0	QPSK	NV	40	-4.15	-0.002	PASS
Band38	10	38000	50	#0	QPSK	NV	50	-1.09	0.000	PASS
Band38	10	38200	50	#0	QPSK	NV	-30	-8.83	-0.003	PASS

Band38	10	38200	50	#0	QPSK	NV	-20	-2.57	-0.001	PASS
Band38	10	38200	50	#0	QPSK	NV	-10	0.27	0.000	PASS
Band38	10	38200	50	#0	QPSK	NV	0	5.79	0.002	PASS
Band38	10	38200	50	#0	QPSK	NV	10	-0.93	0.000	PASS
Band38	10	38200	50	#0	QPSK	NV	20	-8.01	-0.003	PASS
Band38	10	38200	50	#0	QPSK	NV	30	-7.12	-0.003	PASS
Band38	10	38200	50	#0	QPSK	NV	40	-0.24	0.000	PASS
Band38	10	38200	50	#0	QPSK	NV	50	0.46	0.000	PASS
Band38	15	37825	75	#0	QPSK	NV	-30	2.82	0.001	PASS
Band38	15	37825	75	#0	QPSK	NV	-20	-7.78	-0.003	PASS
Band38	15	37825	75	#0	QPSK	NV	-10	-1.37	-0.001	PASS
Band38	15	37825	75	#0	QPSK	NV	0	8.14	0.003	PASS
Band38	15	37825	75	#0	QPSK	NV	10	-9.68	-0.004	PASS
Band38	15	37825	75	#0	QPSK	NV	20	0.43	0.000	PASS
Band38	15	37825	75	#0	QPSK	NV	30	-1.66	-0.001	PASS
Band38	15	37825	75	#0	QPSK	NV	40	-4.22	-0.002	PASS
Band38	15	37825	75	#0	QPSK	NV	50	1.00	0.000	PASS
Band38	15	38000	75	#0	QPSK	NV	-30	3.20	0.001	PASS
Band38	15	38000	75	#0	QPSK	NV	-20	1.47	0.001	PASS
Band38	15	38000	75	#0	QPSK	NV	-10	3.25	0.001	PASS
Band38	15	38000	75	#0	QPSK	NV	0	-9.80	-0.004	PASS
Band38	15	38000	75	#0	QPSK	NV	10	-0.54	0.000	PASS
Band38	15	38000	75	#0	QPSK	NV	20	-5.52	-0.002	PASS
Band38	15	38000	75	#0	QPSK	NV	30	-0.56	0.000	PASS
Band38	15	38000	75	#0	QPSK	NV	40	4.11	0.002	PASS
Band38	15	38000	75	#0	QPSK	NV	50	-2.72	-0.001	PASS
Band38	15	38175	75	#0	QPSK	NV	-30	-0.30	0.000	PASS
Band38	15	38175	75	#0	QPSK	NV	-20	-0.29	0.000	PASS
Band38	15	38175	75	#0	QPSK	NV	-10	-7.15	-0.003	PASS
Band38	15	38175	75	#0	QPSK	NV	0	4.68	0.002	PASS
Band38	15	38175	75	#0	QPSK	NV	10	10.26	0.004	PASS
Band38	15	38175	75	#0	QPSK	NV	20	-7.45	-0.003	PASS
Band38	15	38175	75	#0	QPSK	NV	30	3.12	0.001	PASS
Band38	15	38175	75	#0	QPSK	NV	40	8.13	0.003	PASS
Band38	15	38175	75	#0	QPSK	NV	50	8.60	0.003	PASS
Band38	20	37850	100	#0	QPSK	NV	-30	6.97	0.003	PASS
Band38	20	37850	100	#0	QPSK	NV	-20	3.66	0.001	PASS
Band38	20	37850	100	#0	QPSK	NV	-10	-10.46	-0.004	PASS
Band38	20	37850	100	#0	QPSK	NV	0	-5.29	-0.002	PASS
Band38	20	37850	100	#0	QPSK	NV	10	-2.00	-0.001	PASS
Band38	20	37850	100	#0	QPSK	NV	20	1.12	0.000	PASS
Band38	20	37850	100	#0	QPSK	NV	30	4.92	0.002	PASS

Band38	20	37850	100	#0	QPSK	NV	40	-0.49	0.000	PASS
Band38	20	37850	100	#0	QPSK	NV	50	-3.36	-0.001	PASS
Band38	20	38000	100	#0	QPSK	NV	-30	-5.05	-0.002	PASS
Band38	20	38000	100	#0	QPSK	NV	-20	-0.76	0.000	PASS
Band38	20	38000	100	#0	QPSK	NV	-10	-4.31	-0.002	PASS
Band38	20	38000	100	#0	QPSK	NV	0	-2.98	-0.001	PASS
Band38	20	38000	100	#0	QPSK	NV	10	-6.77	-0.003	PASS
Band38	20	38000	100	#0	QPSK	NV	20	6.07	0.002	PASS
Band38	20	38000	100	#0	QPSK	NV	30	-12.42	-0.005	PASS
Band38	20	38000	100	#0	QPSK	NV	40	-0.63	0.000	PASS
Band38	20	38000	100	#0	QPSK	NV	50	0.97	0.000	PASS
Band38	20	38150	100	#0	QPSK	NV	-30	6.32	0.002	PASS
Band38	20	38150	100	#0	QPSK	NV	-20	-7.27	-0.003	PASS
Band38	20	38150	100	#0	QPSK	NV	-10	-13.02	-0.005	PASS
Band38	20	38150	100	#0	QPSK	NV	0	-8.60	-0.003	PASS
Band38	20	38150	100	#0	QPSK	NV	10	-4.15	-0.002	PASS
Band38	20	38150	100	#0	QPSK	NV	20	3.86	0.001	PASS
Band38	20	38150	100	#0	QPSK	NV	30	-10.19	-0.004	PASS
Band38	20	38150	100	#0	QPSK	NV	40	4.31	0.002	PASS
Band38	20	38150	100	#0	QPSK	NV	50	-0.33	0.000	PASS

TE
TO
OVER
檢



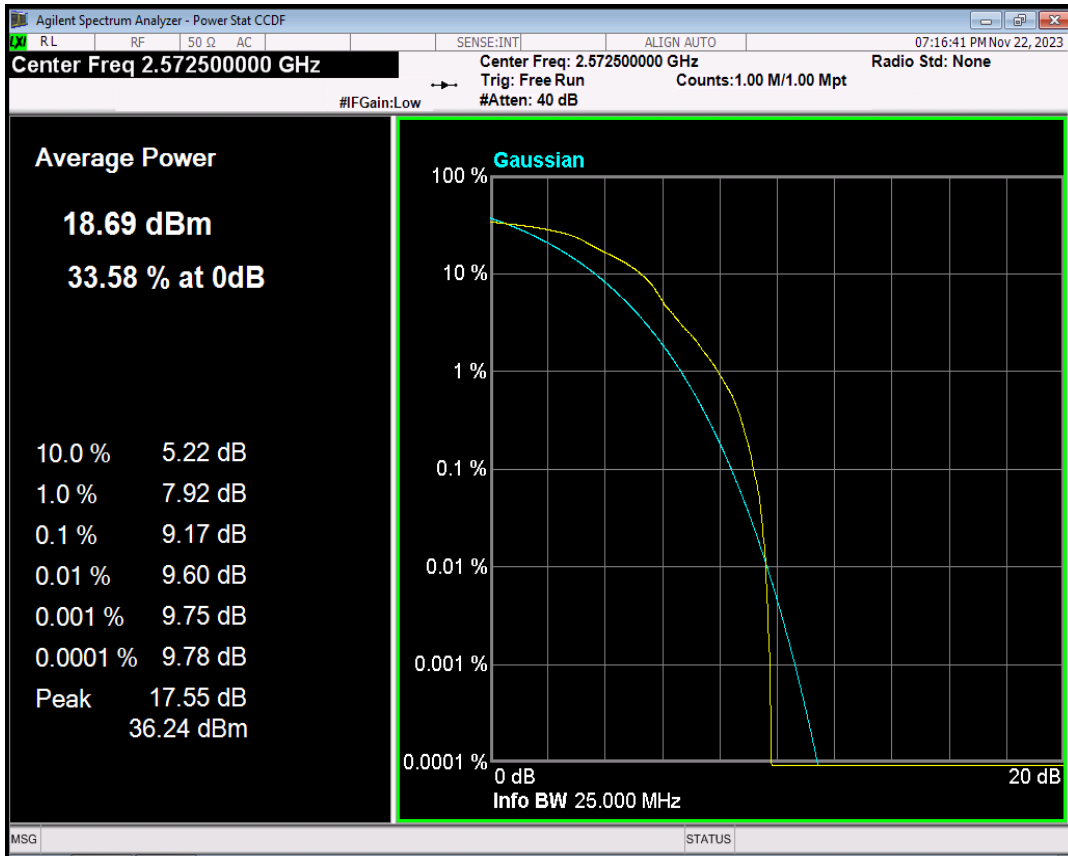
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band38	5	37775	1	#0	QPSK	10.44	13	PASS
Band38	5	37775	1	#0	16QAM	9.17	13	PASS
Band38	5	38000	1	#0	QPSK	8.17	13	PASS
Band38	5	38000	1	#0	16QAM	9.29	13	PASS
Band38	5	38225	1	#0	QPSK	10.03	13	PASS
Band38	5	38225	1	#0	16QAM	9.91	13	PASS
Band38	10	37800	1	#0	QPSK	9.22	13	PASS
Band38	10	38000	1	#0	QPSK	9.52	13	PASS
Band38	10	38200	1	#0	QPSK	8.99	13	PASS
Band38	15	37825	1	#0	QPSK	9.09	13	PASS
Band38	15	38000	1	#0	QPSK	8.88	13	PASS
Band38	15	38175	1	#0	QPSK	10.46	13	PASS
Band38	20	37850	1	#0	QPSK	8.66	13	PASS
Band38	20	38000	1	#0	QPSK	8.82	13	PASS
Band38	20	38150	1	#0	QPSK	9.20	13	PASS

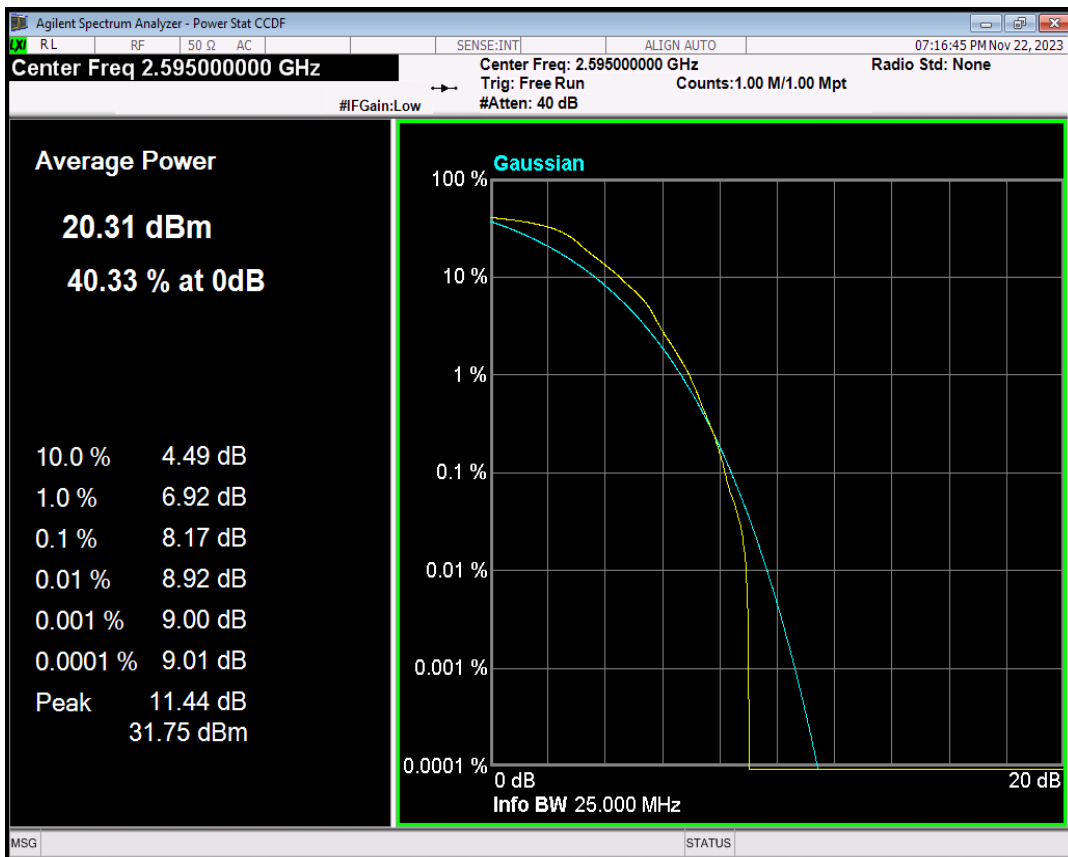
Band38 QPSK BW=5MHz Channel=37775 RB Size=1 Position=#0



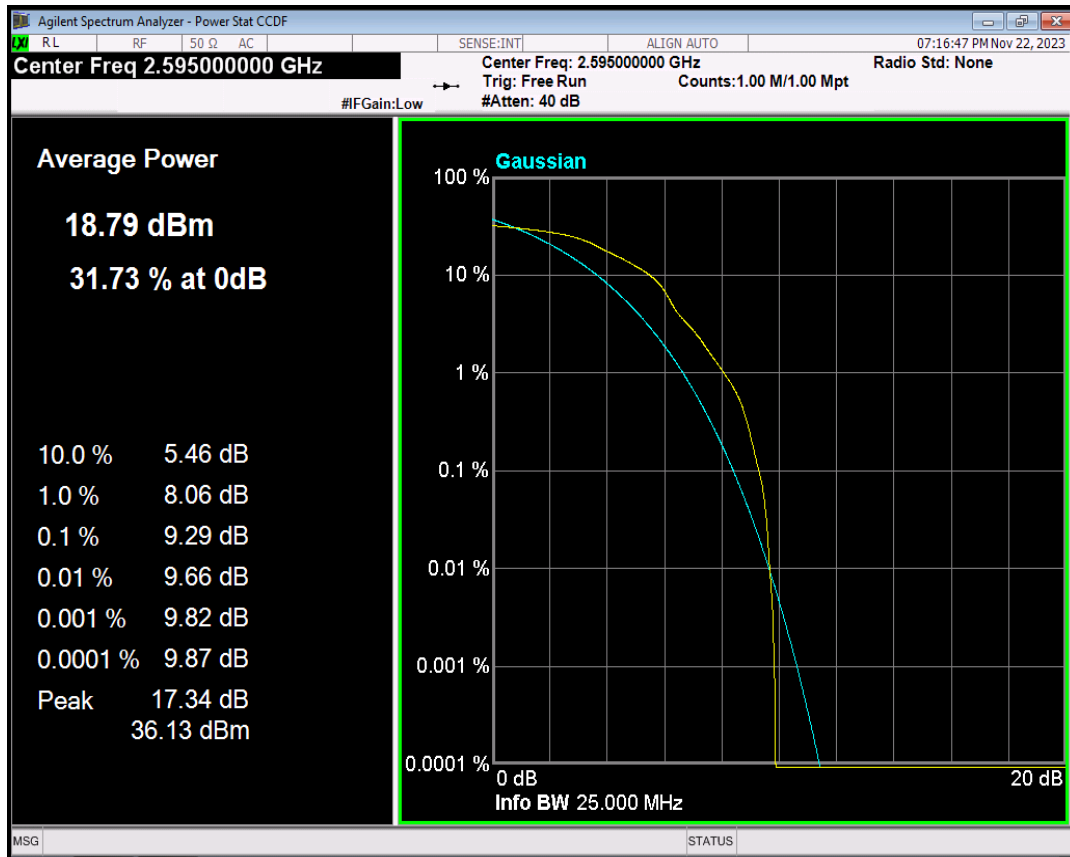
Band38 16QAM BW=5MHz Channel=37775 RB Size=1 Position=#0



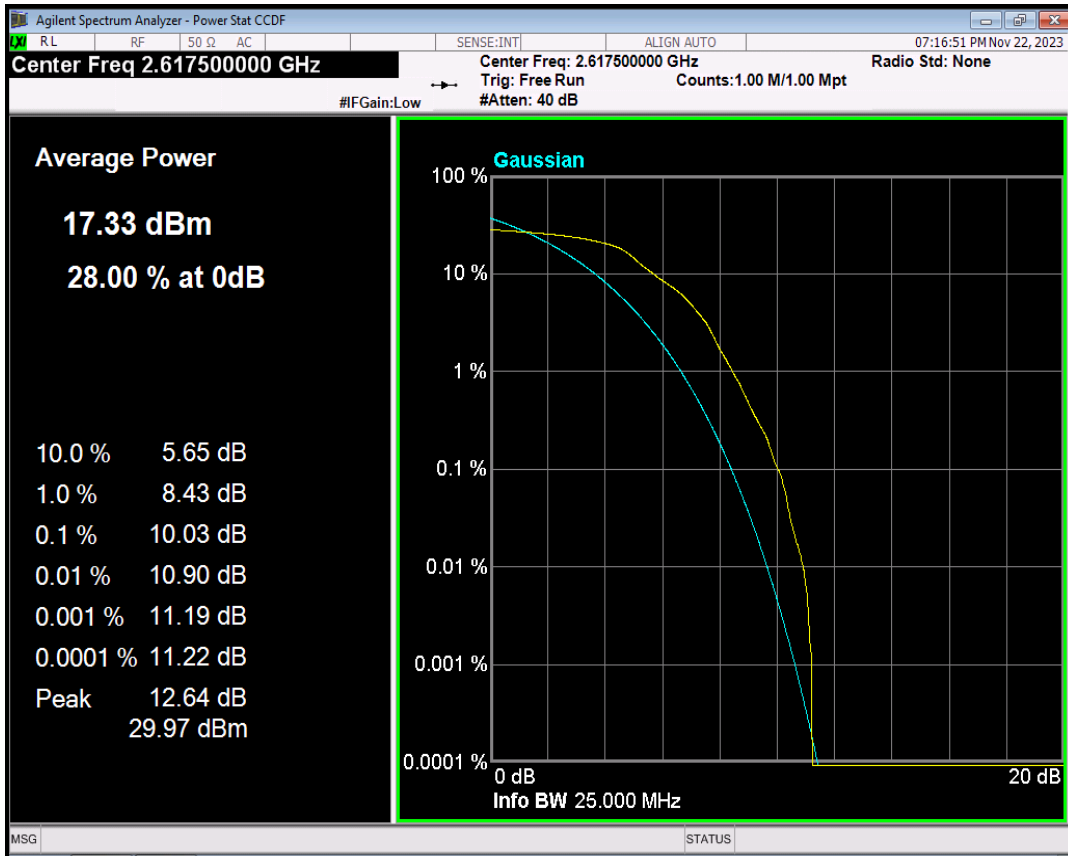
Band38 QPSK BW=5MHz Channel=38000 RB Size=1 Position=#0



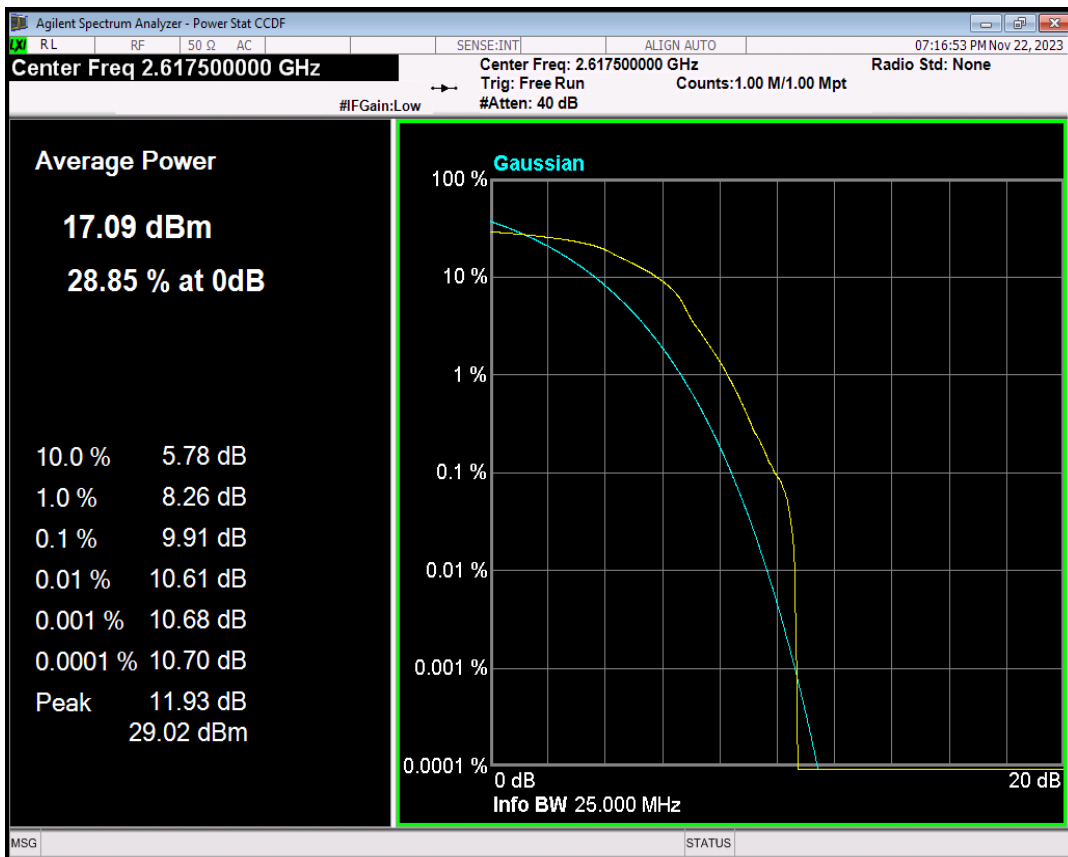
Band38 16QAM BW=5MHz Channel=38000 RB Size=1 Position=#0



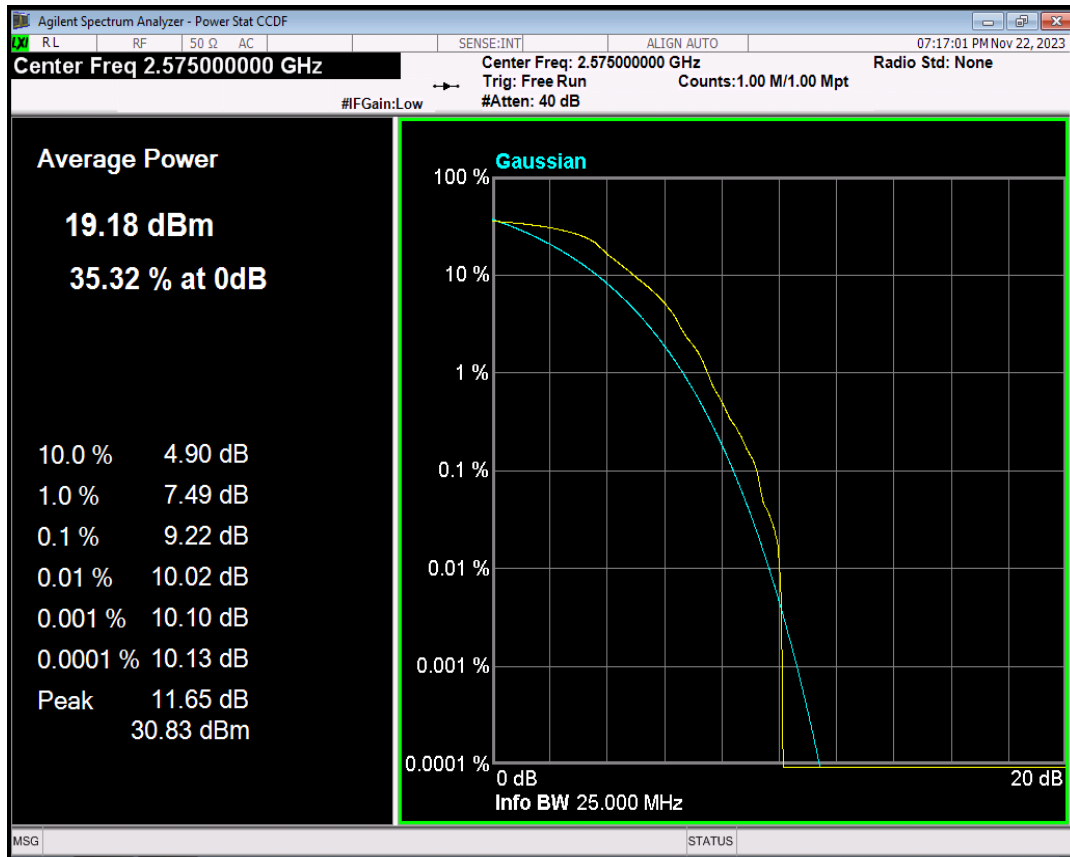
Band38 QPSK BW=5MHz Channel=38225 RB Size=1 Position=#0



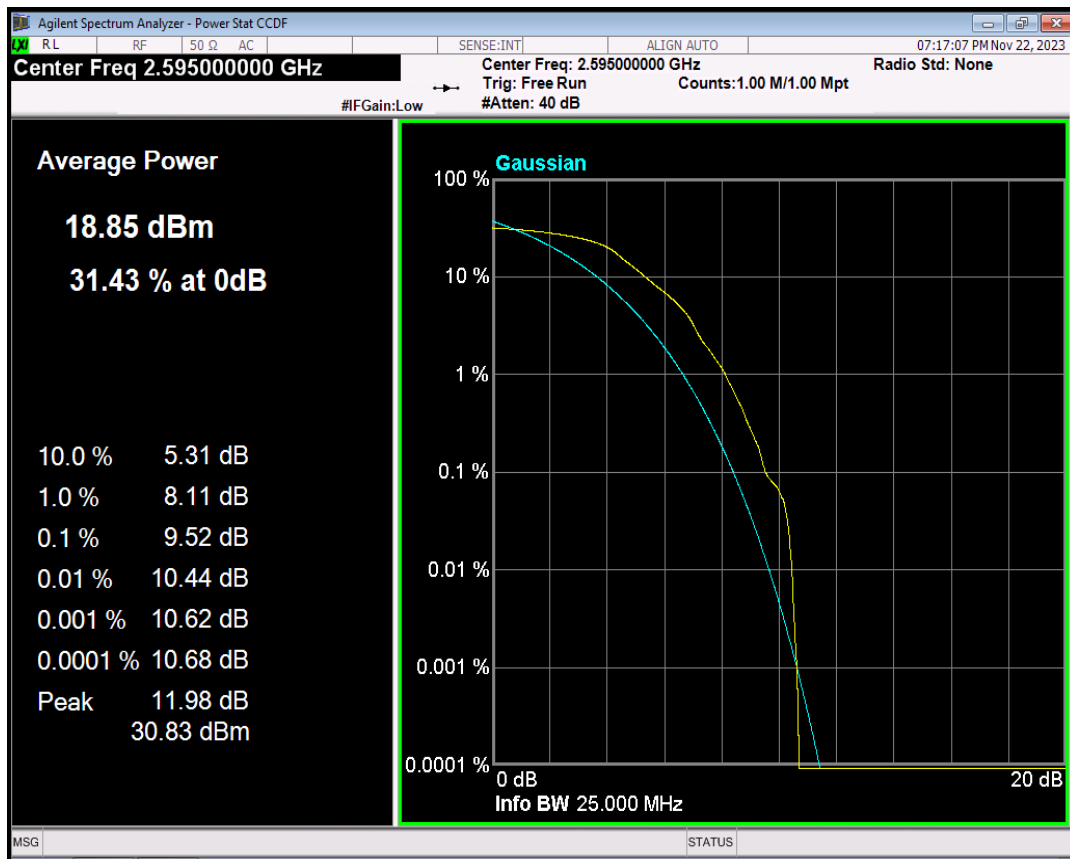
Band38 16QAM BW=5MHz Channel=38225 RB Size=1 Position=#0



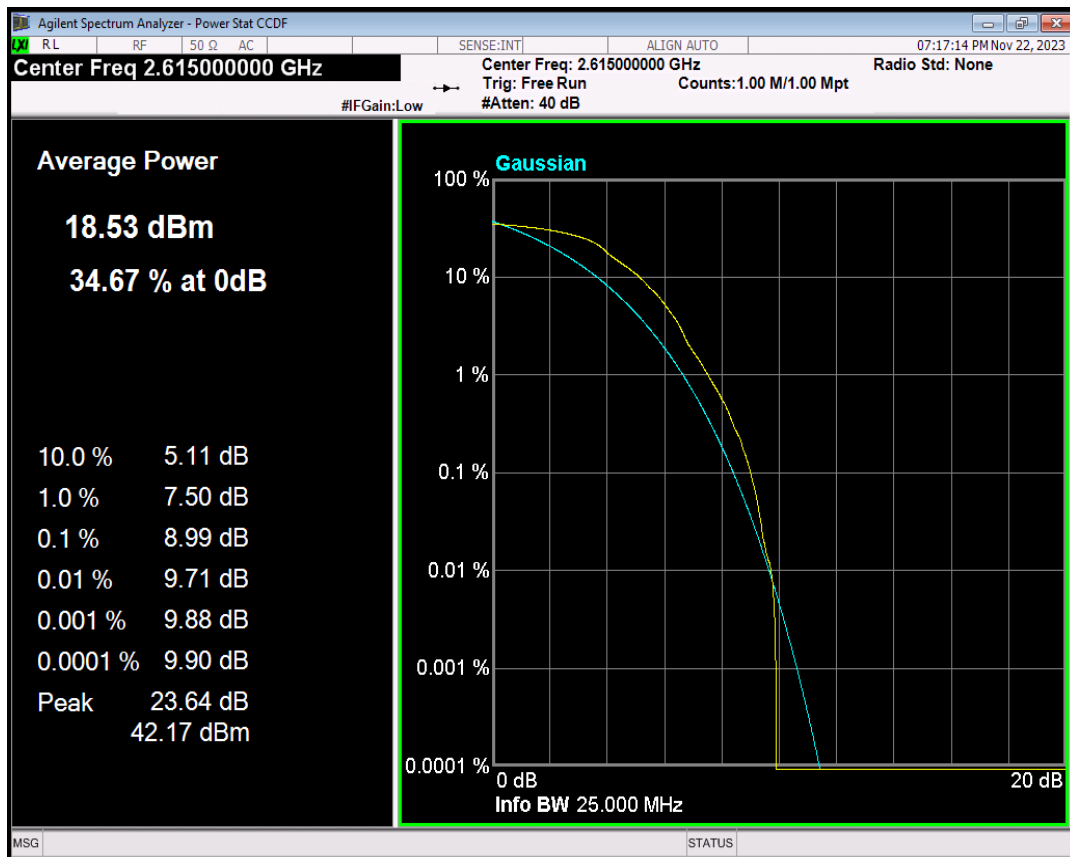
Band38 QPSK BW=10MHz Channel=37800 RB Size=1 Position=#0



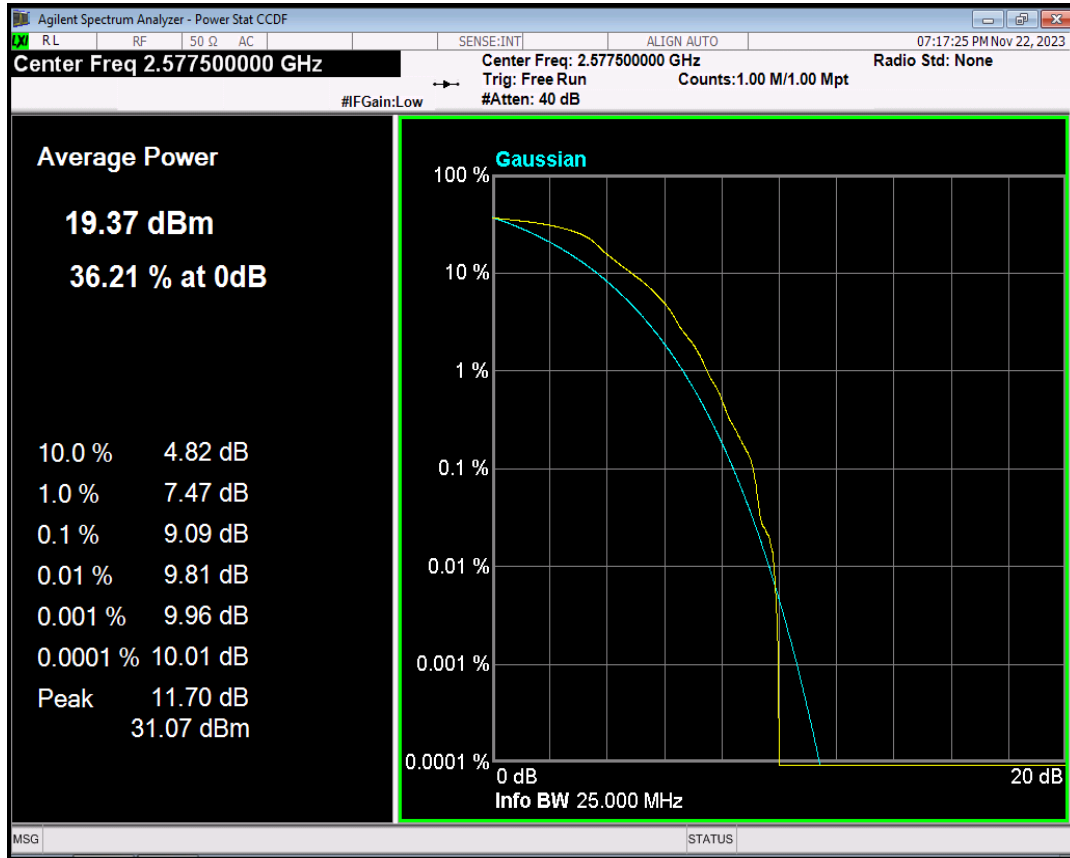
Band38 QPSK BW=10MHz Channel=38000 RB Size=1 Position=#0



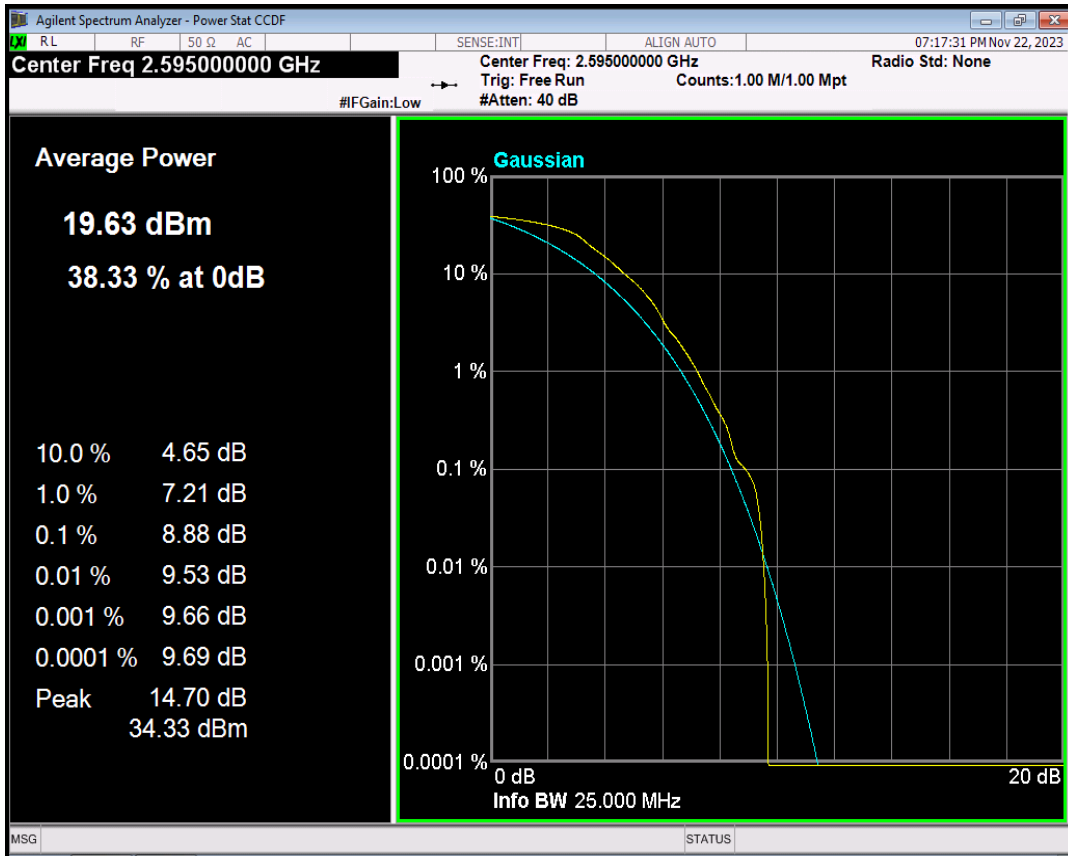
Band38 QPSK BW=10MHz Channel=38200 RB Size=1 Position=#0



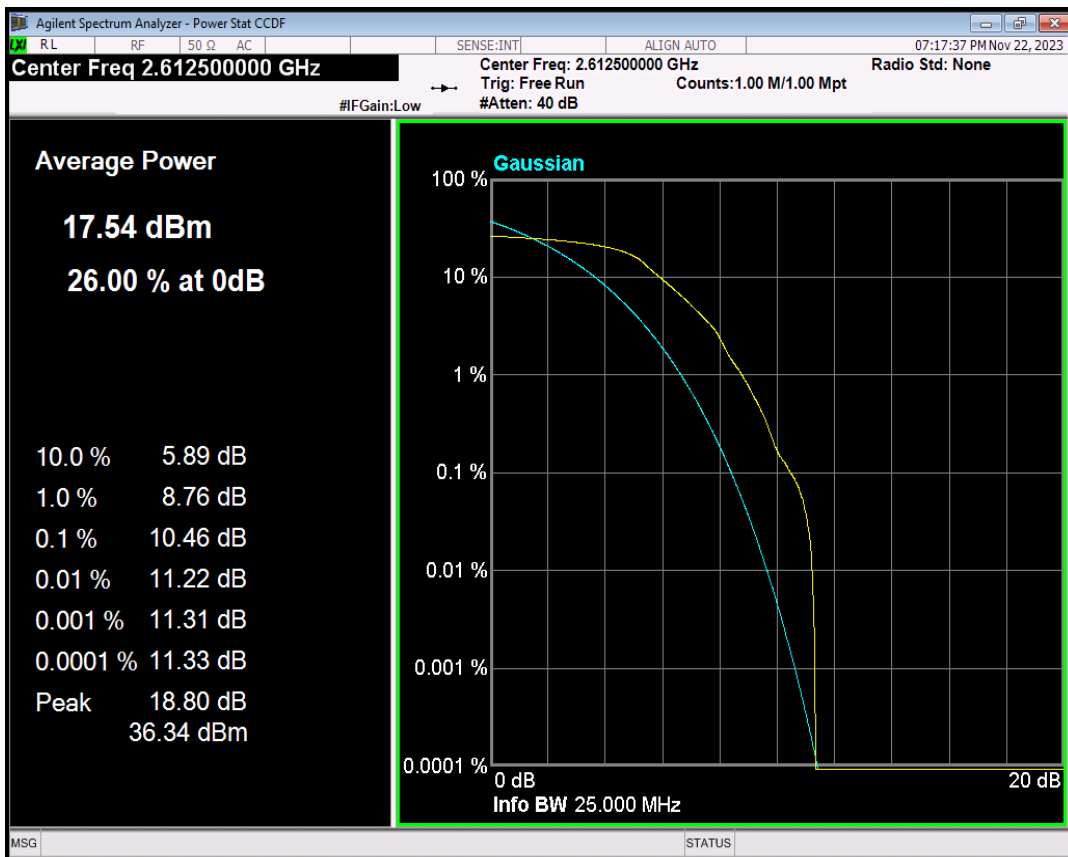
Band38 QPSK BW=15MHz Channel=37825 RB Size=1 Position=#0



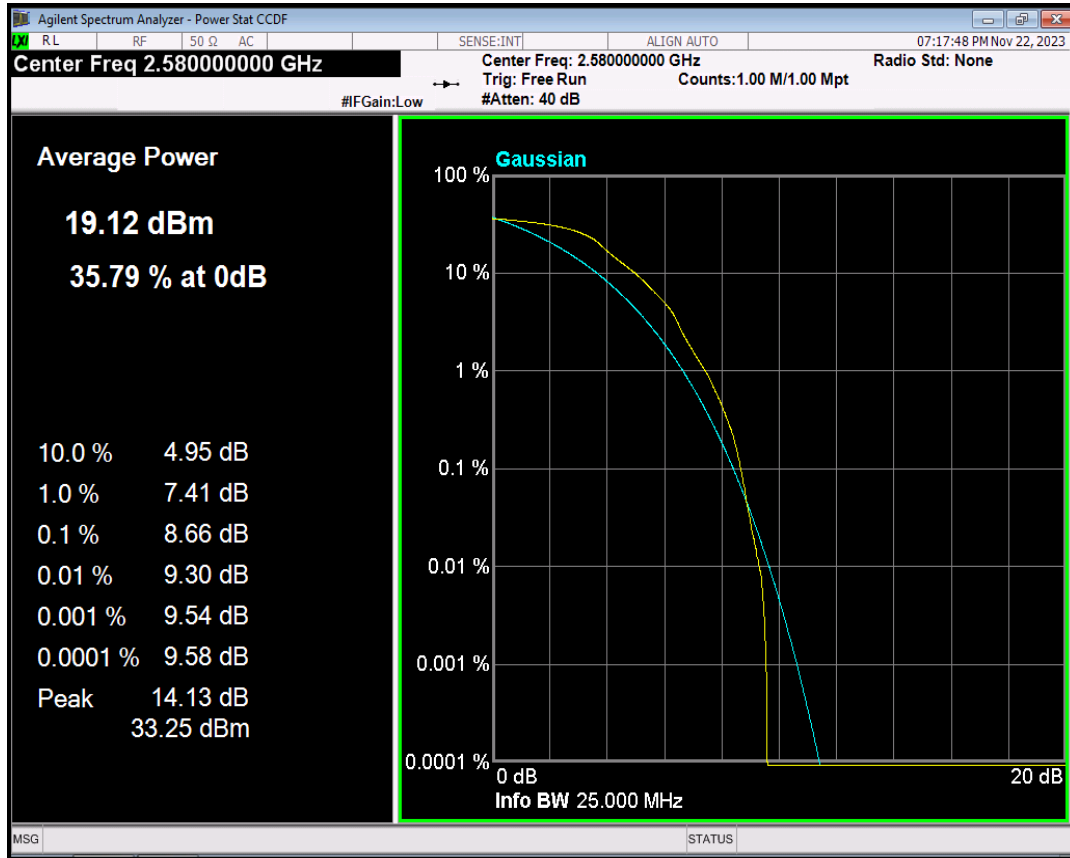
Band38 QPSK BW=15MHz Channel=38000 RB Size=1 Position=#0



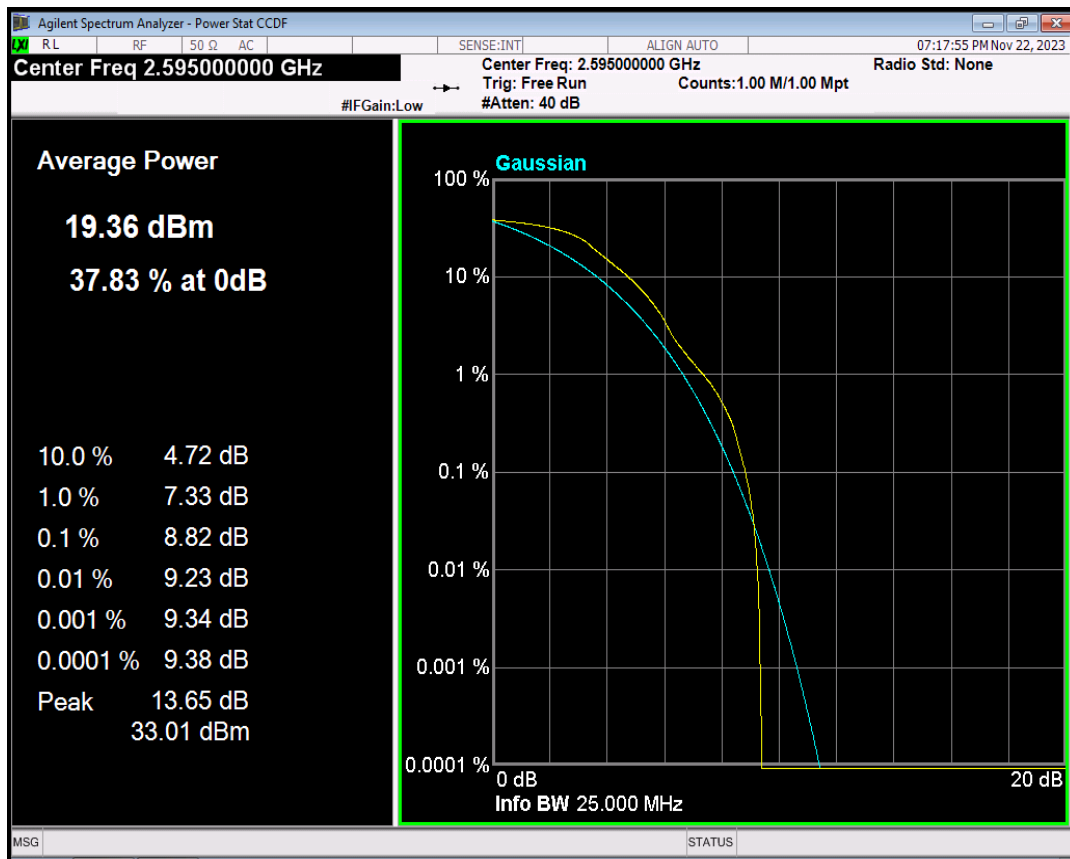
Band38 QPSK BW=15MHz Channel=38175 RB Size=1 Position=#0



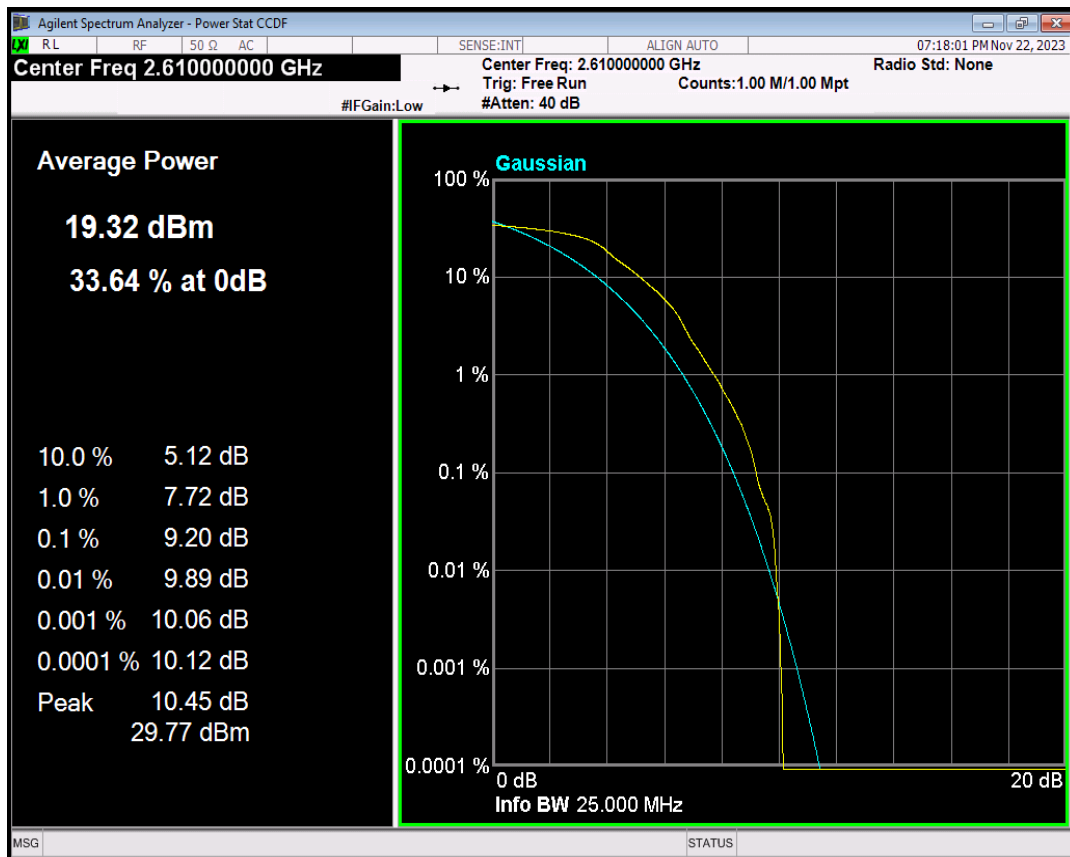
Band38 QPSK BW=20MHz Channel=37850 RB Size=1 Position=#0



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



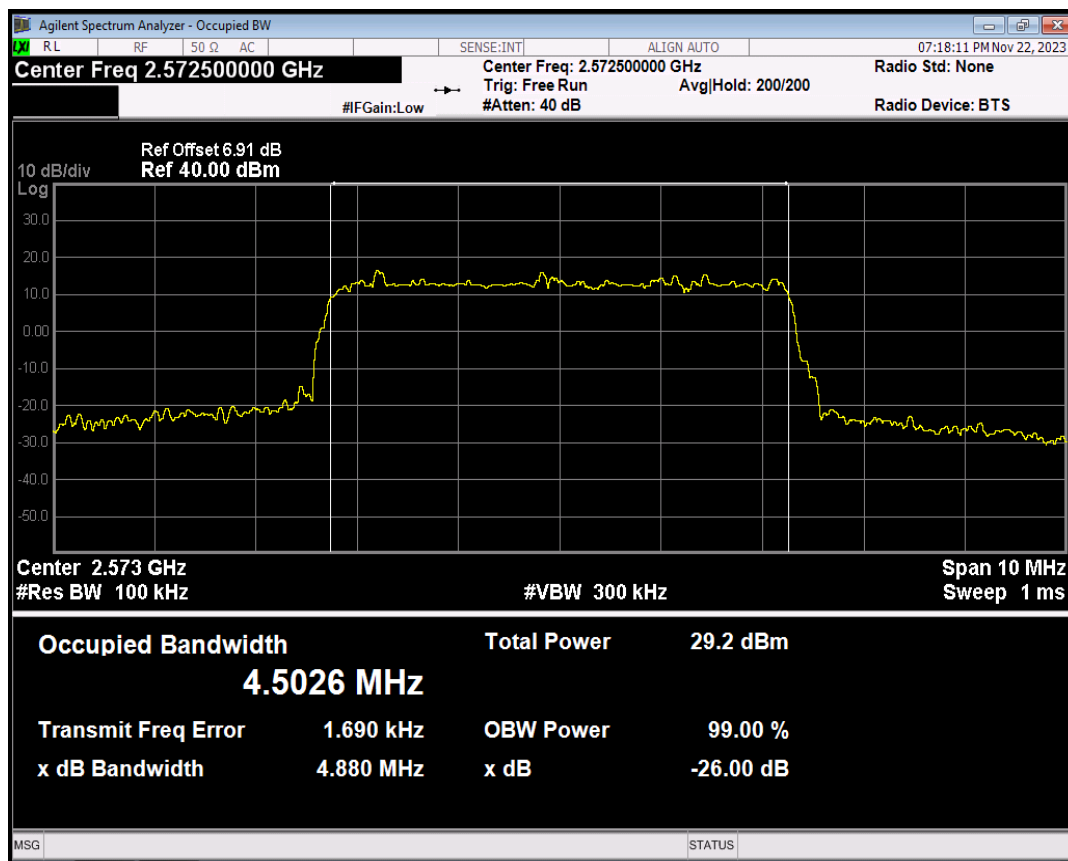
Band38 QPSK BW=20MHz Channel=38150 RB Size=1 Position=#0



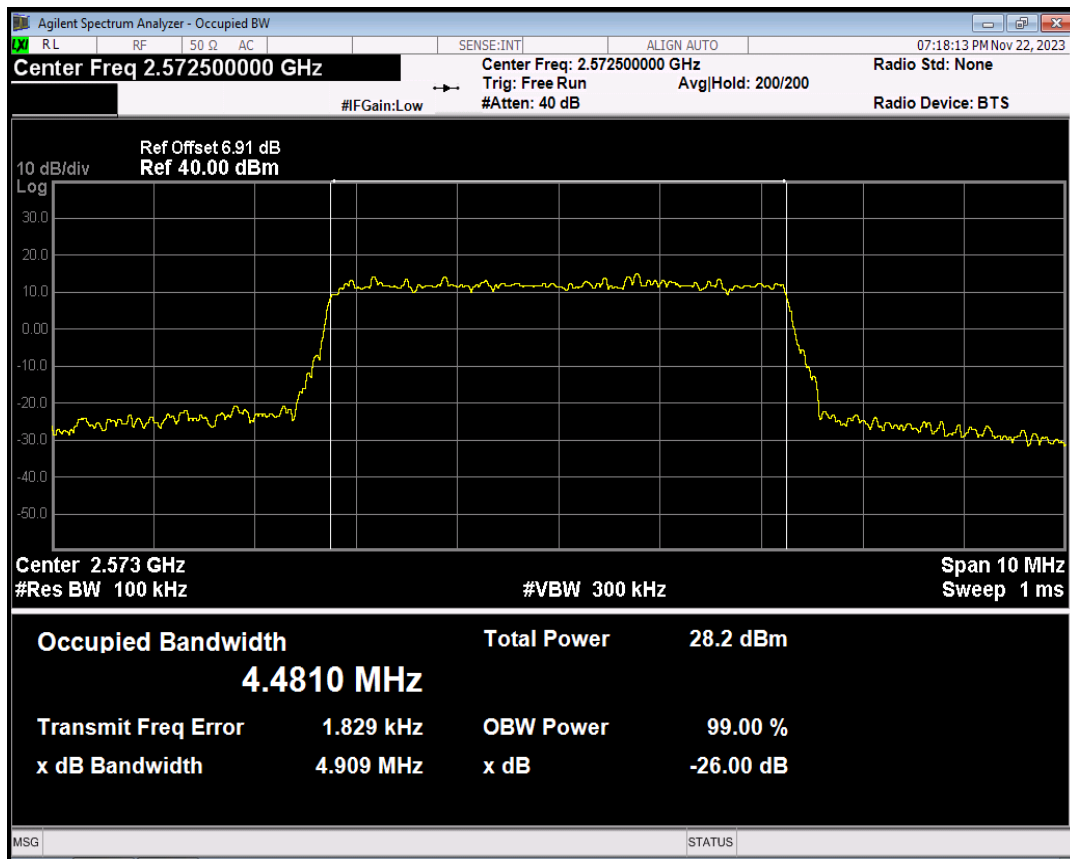
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band38	5	37775	25	#0	QPSK	4.503	4.880	PASS
Band38	5	37775	25	#0	16QAM	4.481	4.909	PASS
Band38	5	38000	25	#0	QPSK	4.518	4.846	PASS
Band38	5	38000	25	#0	16QAM	4.501	4.869	PASS
Band38	5	38225	25	#0	QPSK	4.504	4.962	PASS
Band38	5	38225	25	#0	16QAM	4.501	4.891	PASS
Band38	10	37800	50	#0	QPSK	8.963	9.617	PASS
Band38	10	38000	50	#0	QPSK	8.956	9.560	PASS
Band38	10	38200	50	#0	QPSK	8.982	9.542	PASS
Band38	15	37825	75	#0	QPSK	13.424	14.326	PASS
Band38	15	38000	75	#0	QPSK	13.442	14.215	PASS
Band38	15	38175	75	#0	QPSK	13.447	14.278	PASS
Band38	20	37850	100	#0	QPSK	17.921	18.981	PASS
Band38	20	38000	100	#0	QPSK	17.913	18.966	PASS
Band38	20	38150	100	#0	QPSK	17.964	19.075	PASS

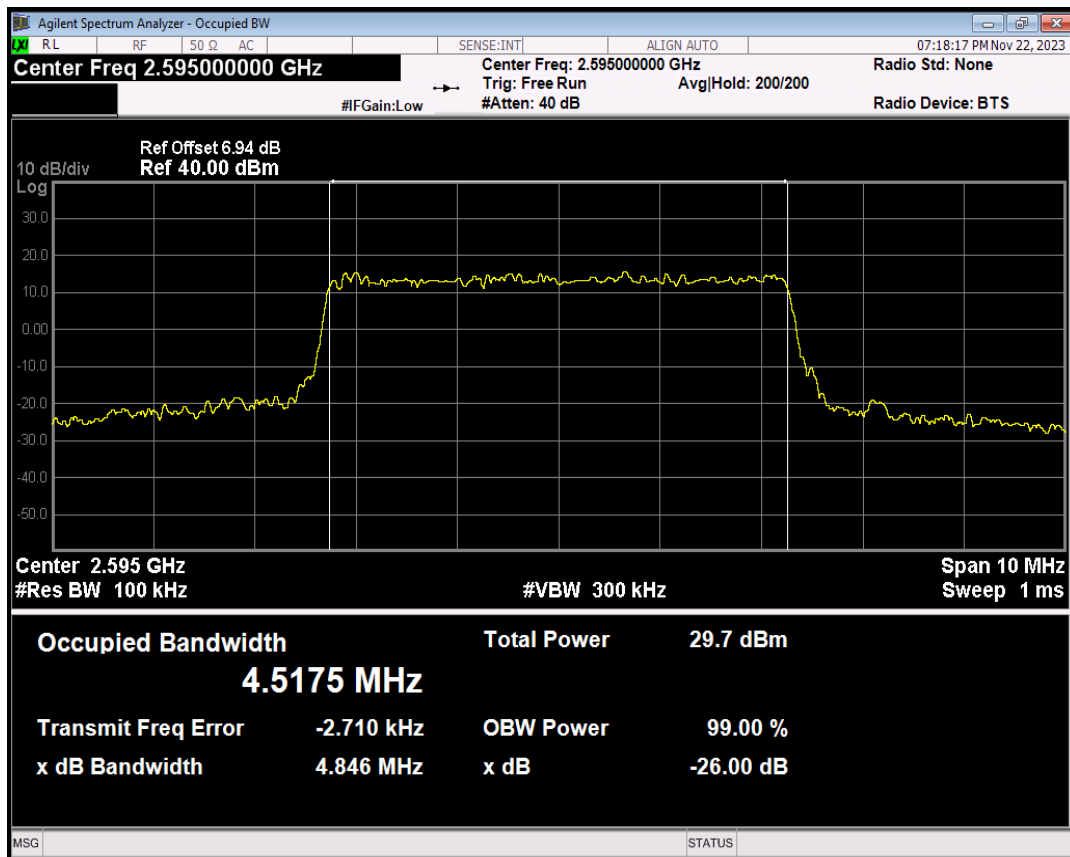
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



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

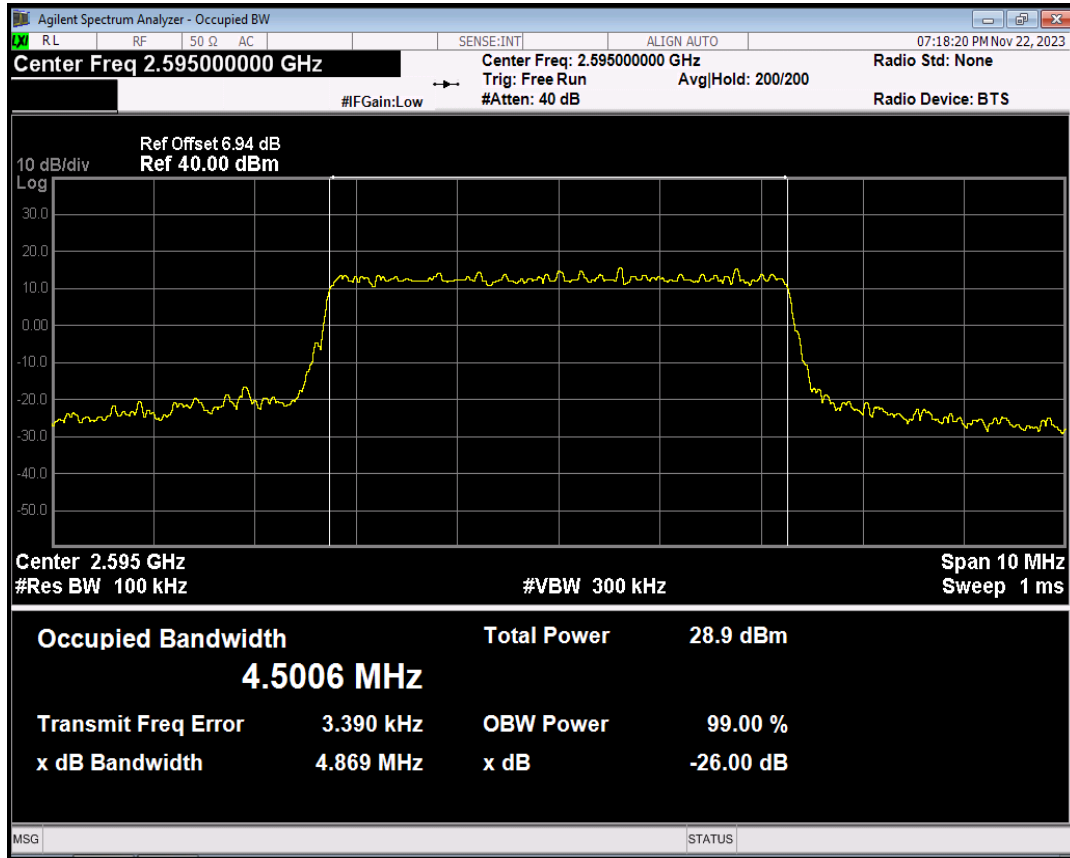


Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0

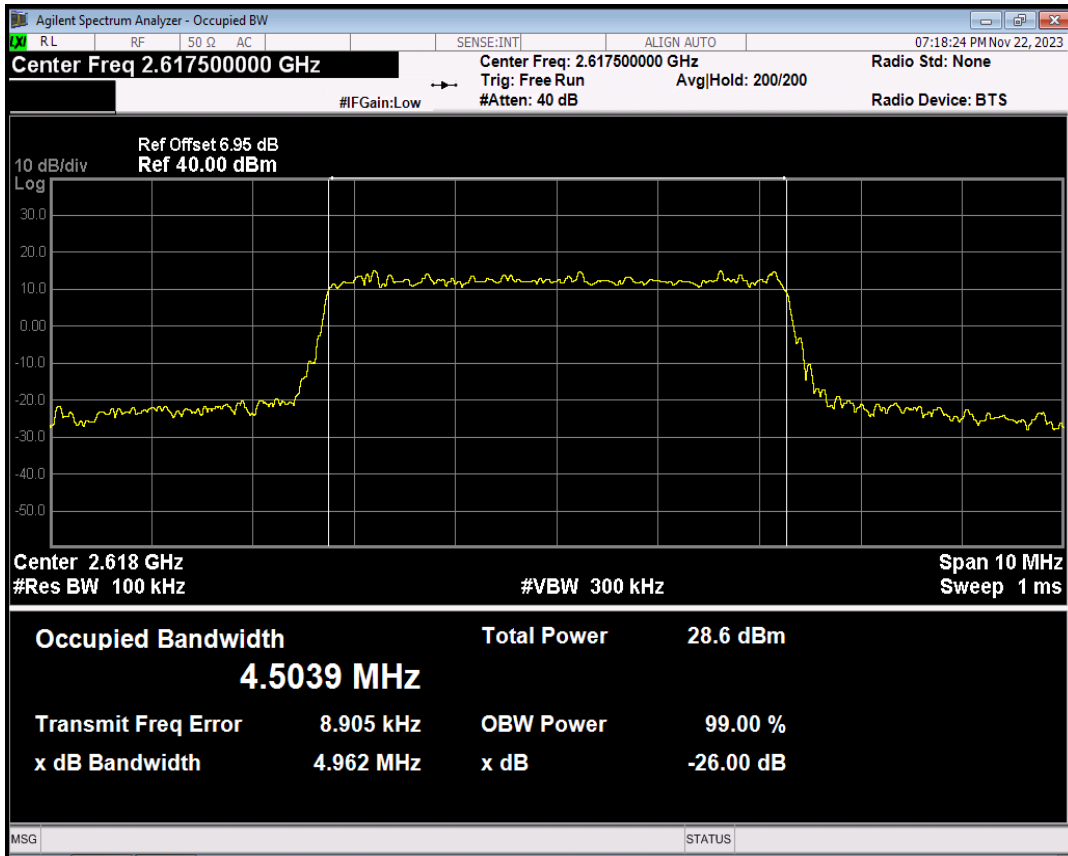




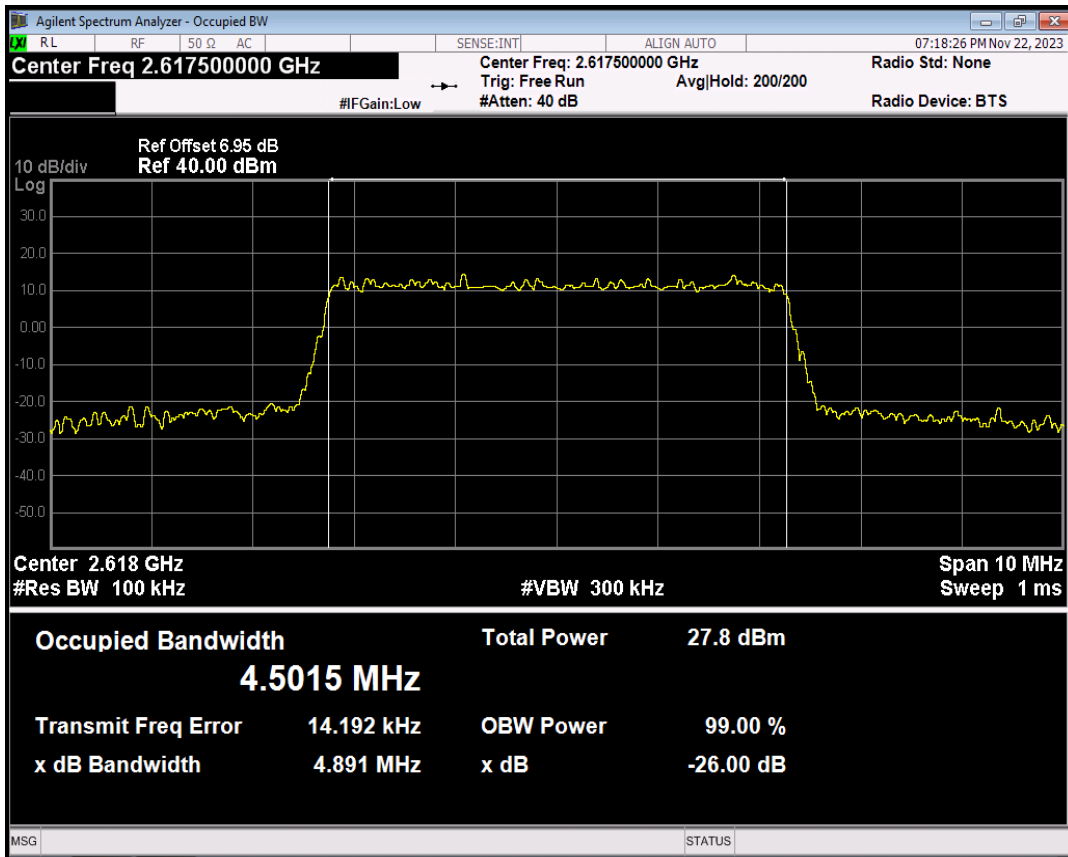
Band38 16QAM BW=5MHz Channel=38000 RB Size=25 Position=#0



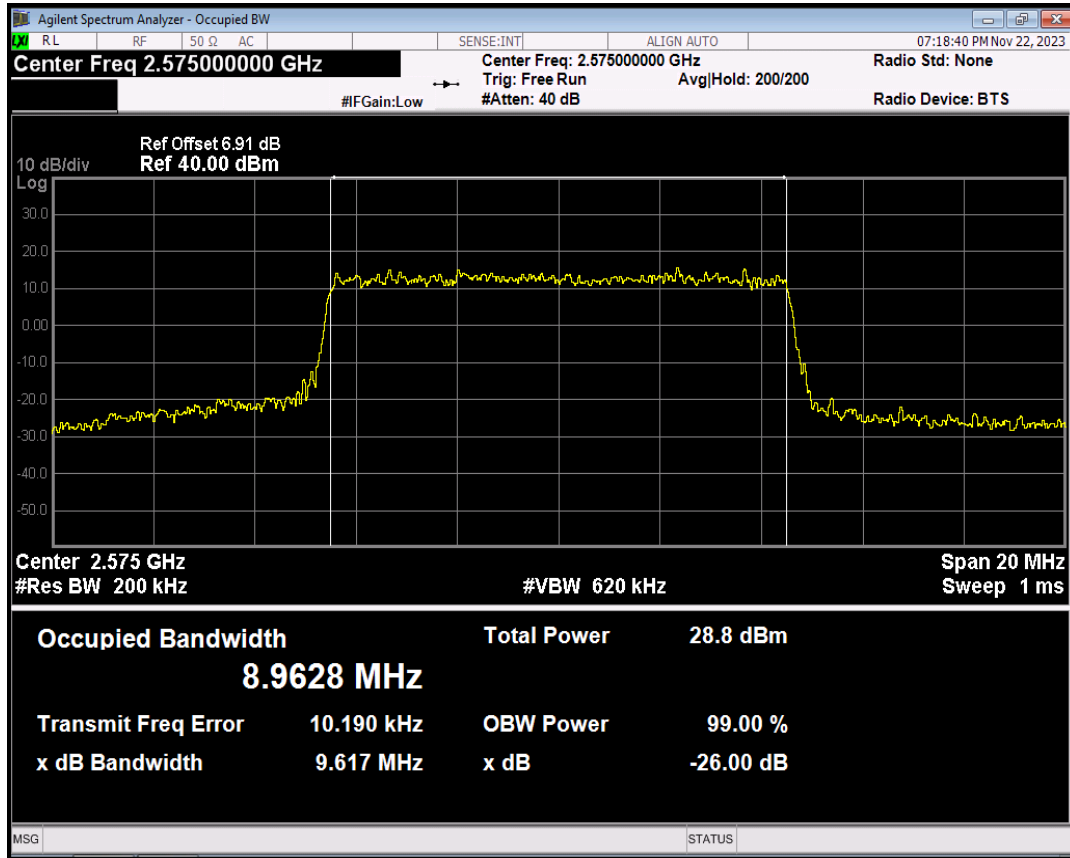
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



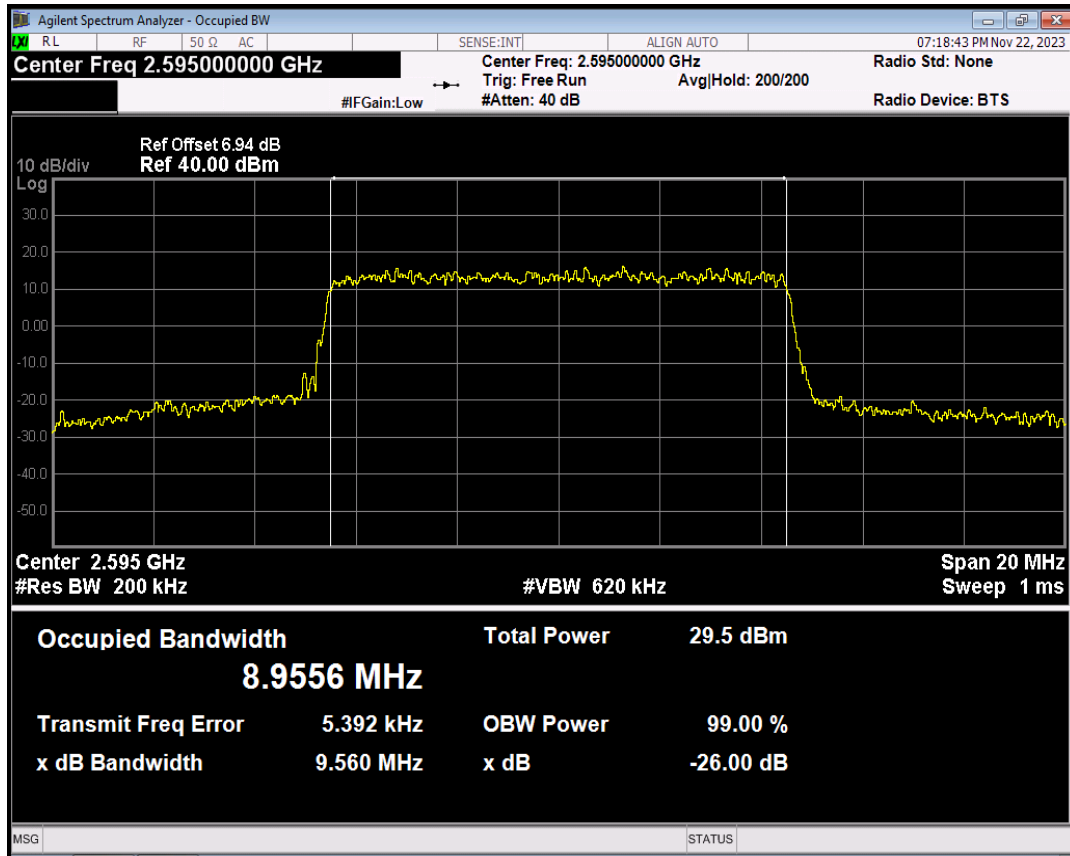
Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0



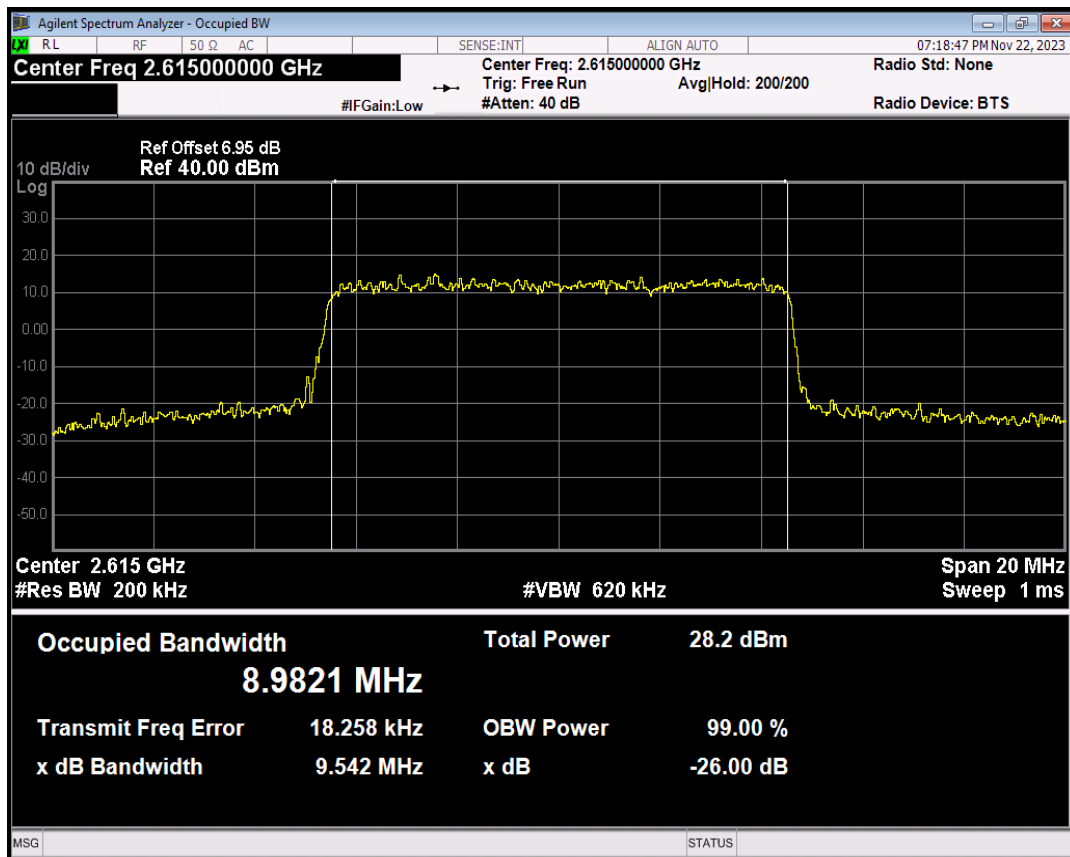
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



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

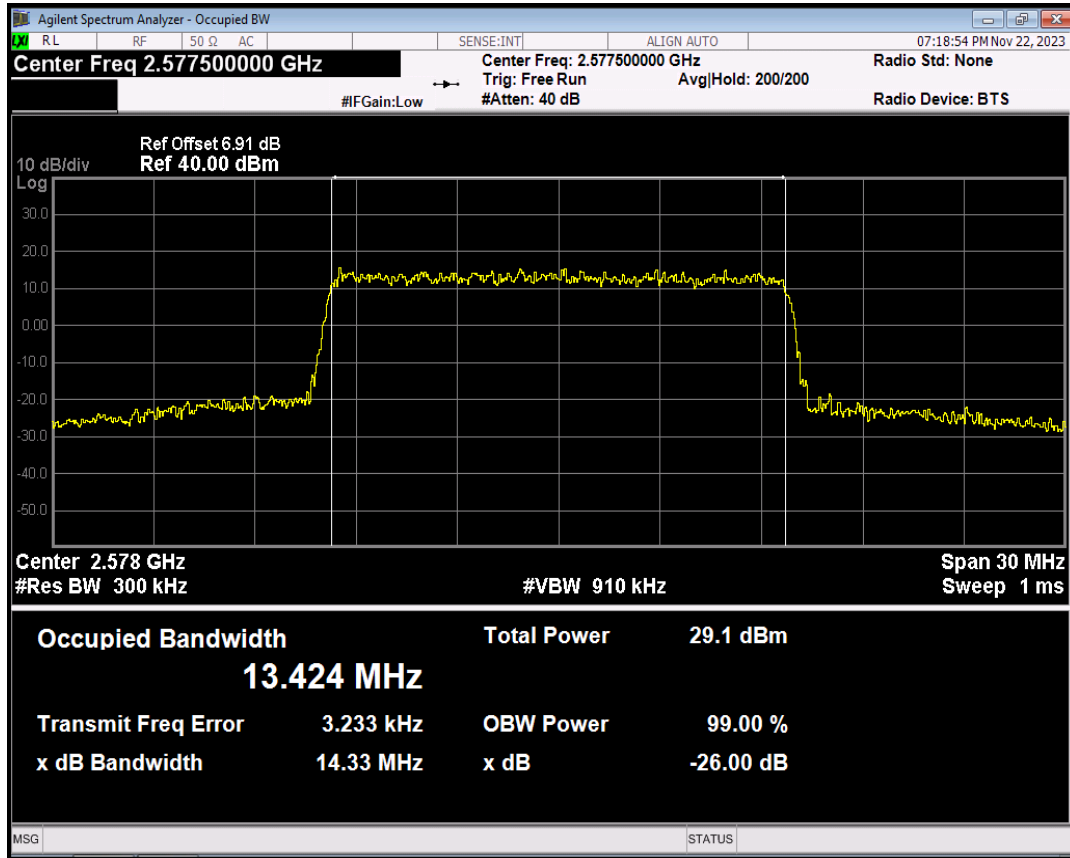


Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0

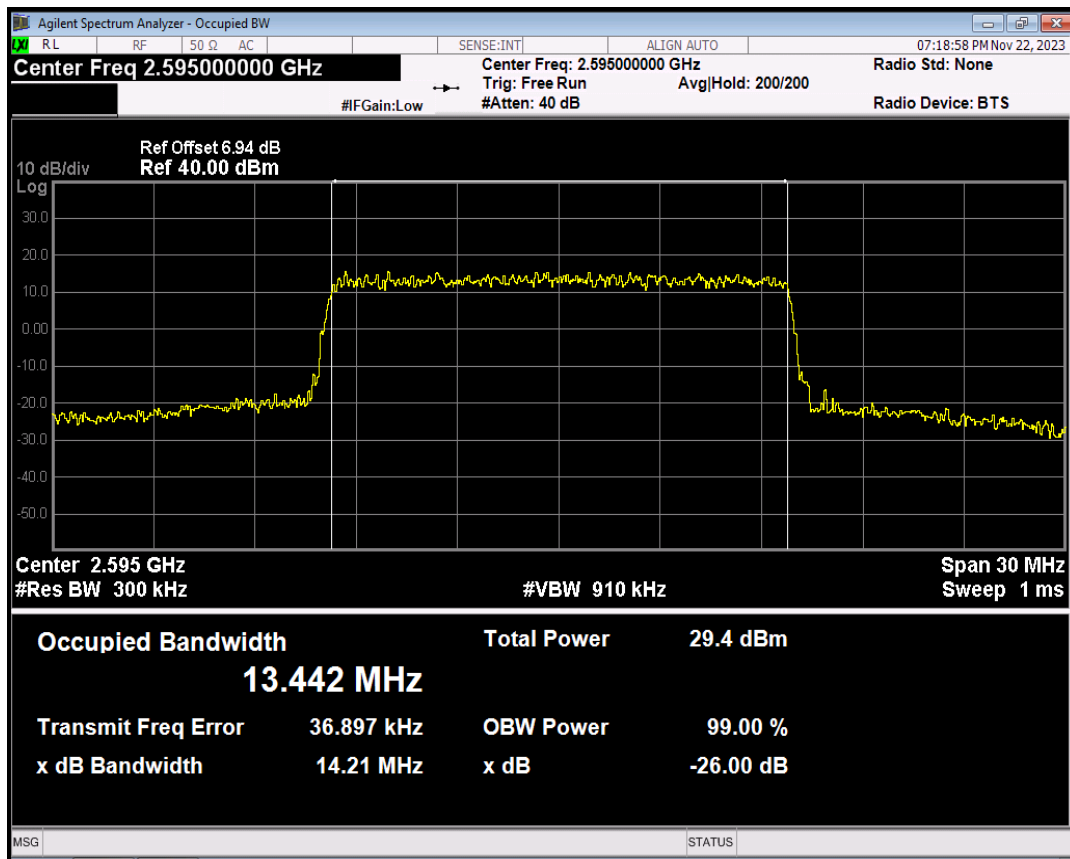




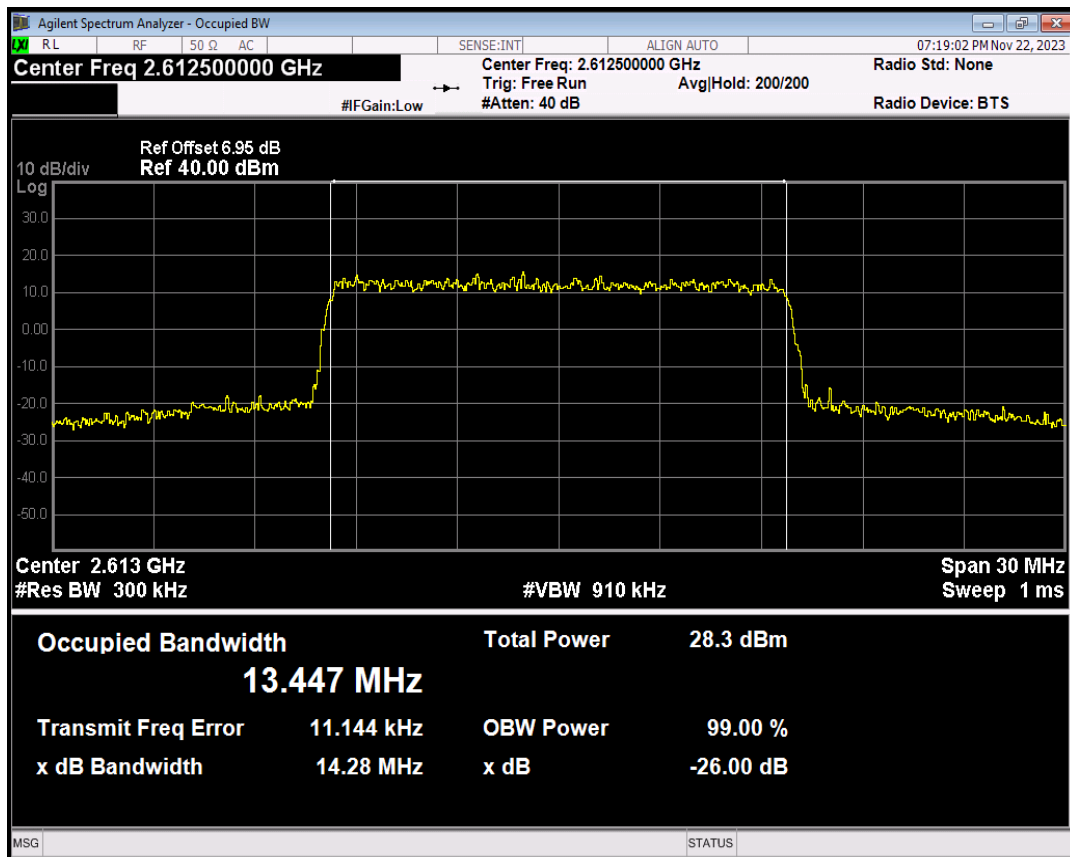
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



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

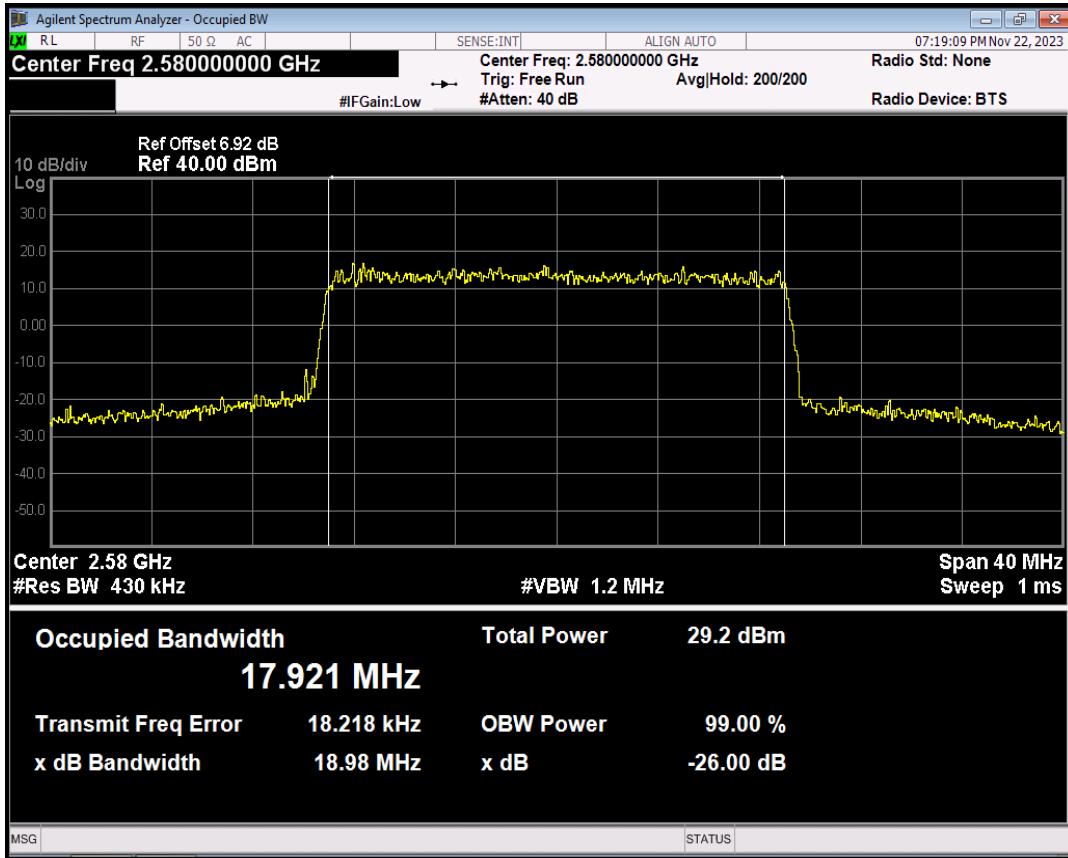


Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0

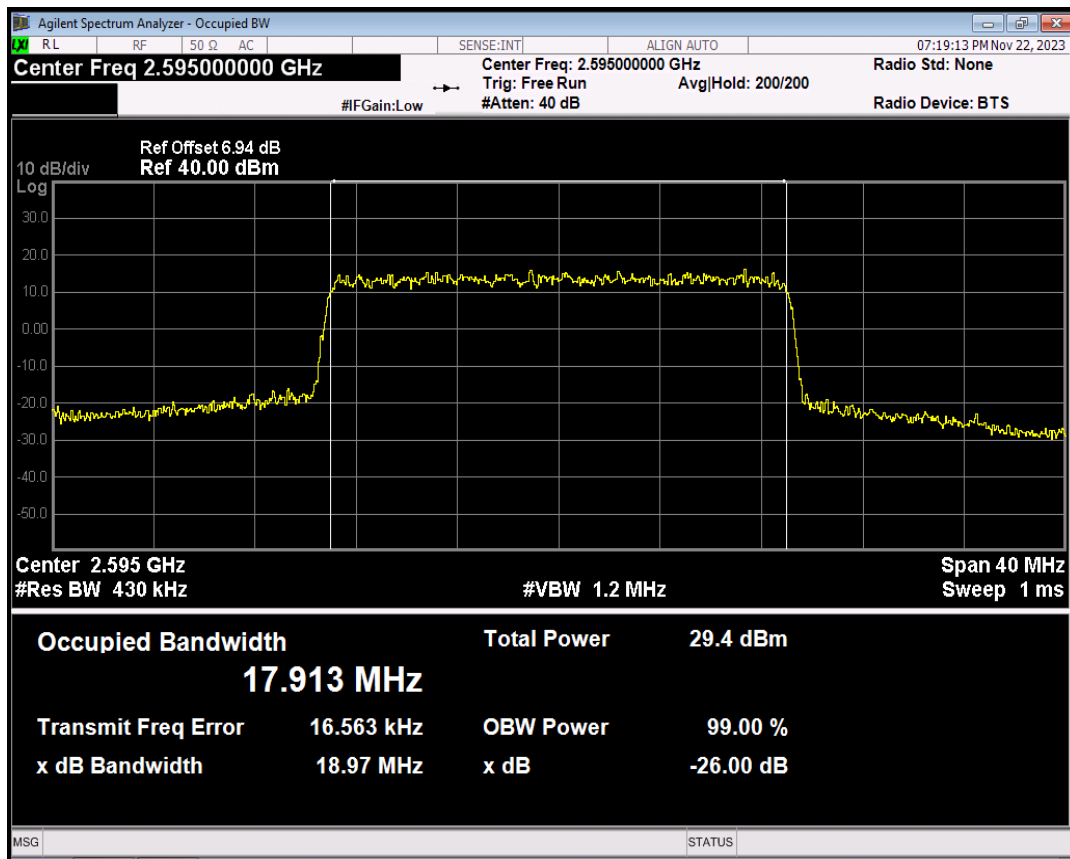




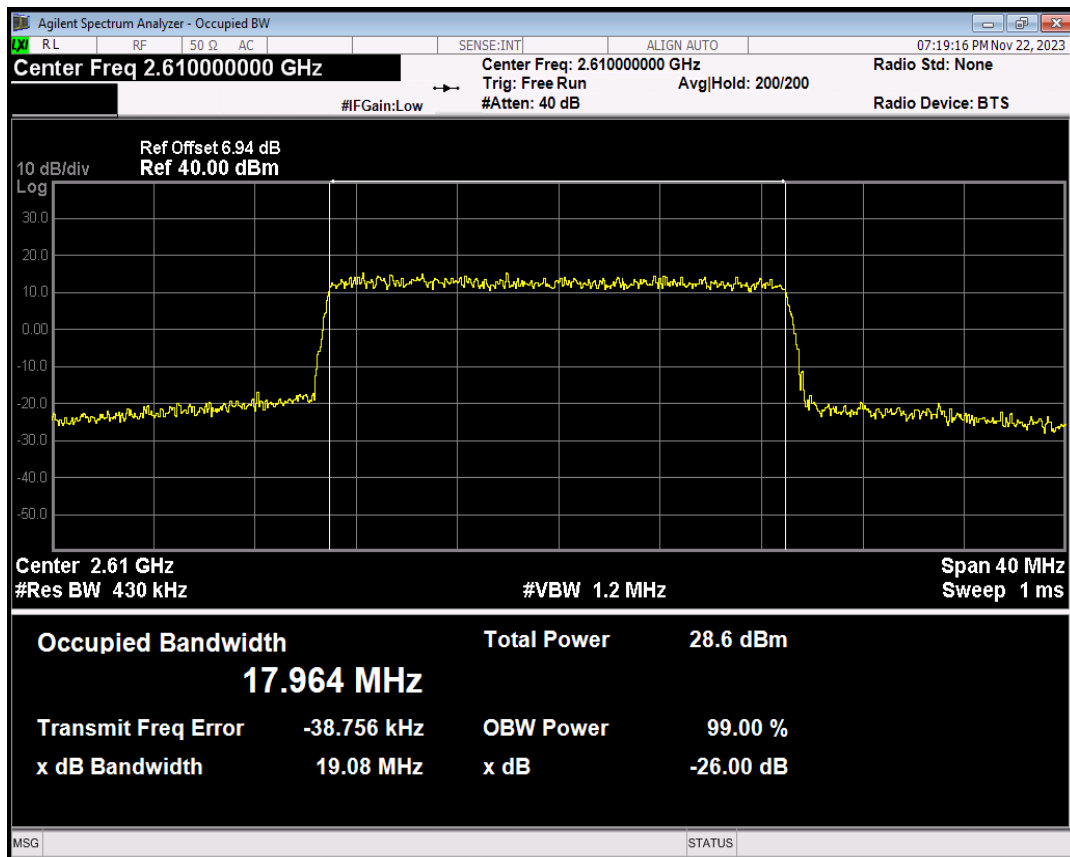
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



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



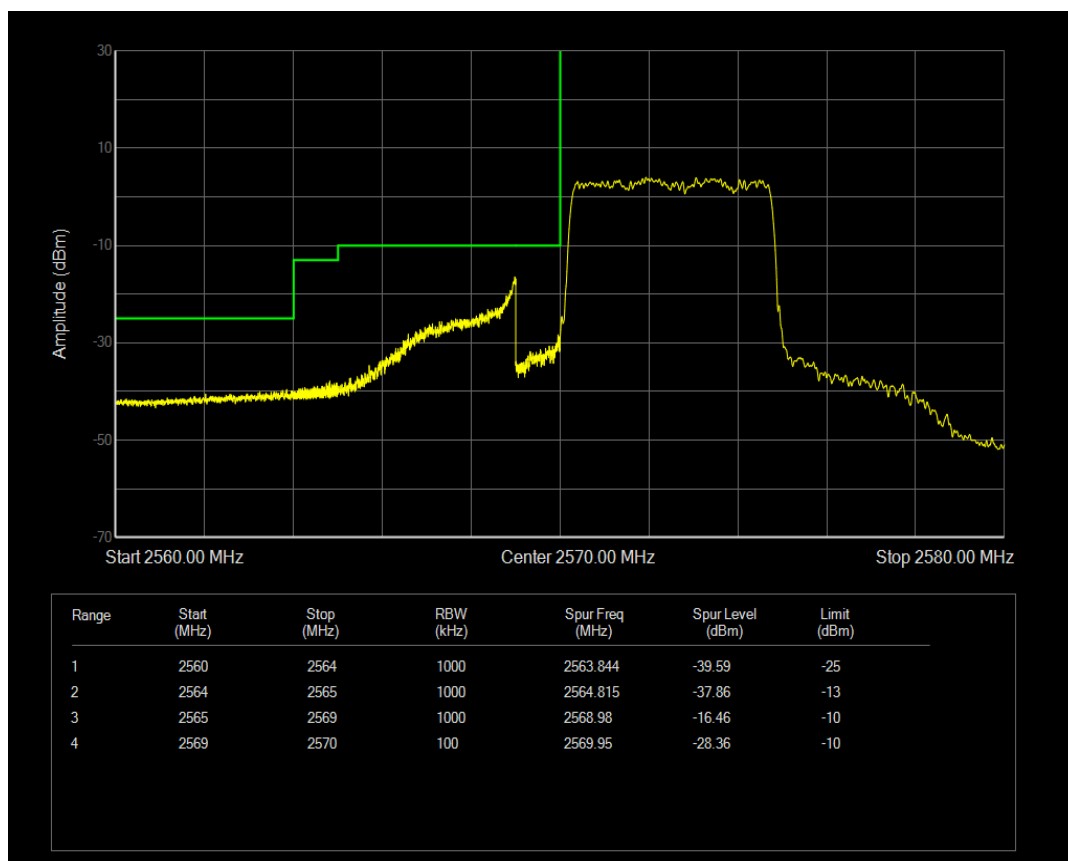
Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



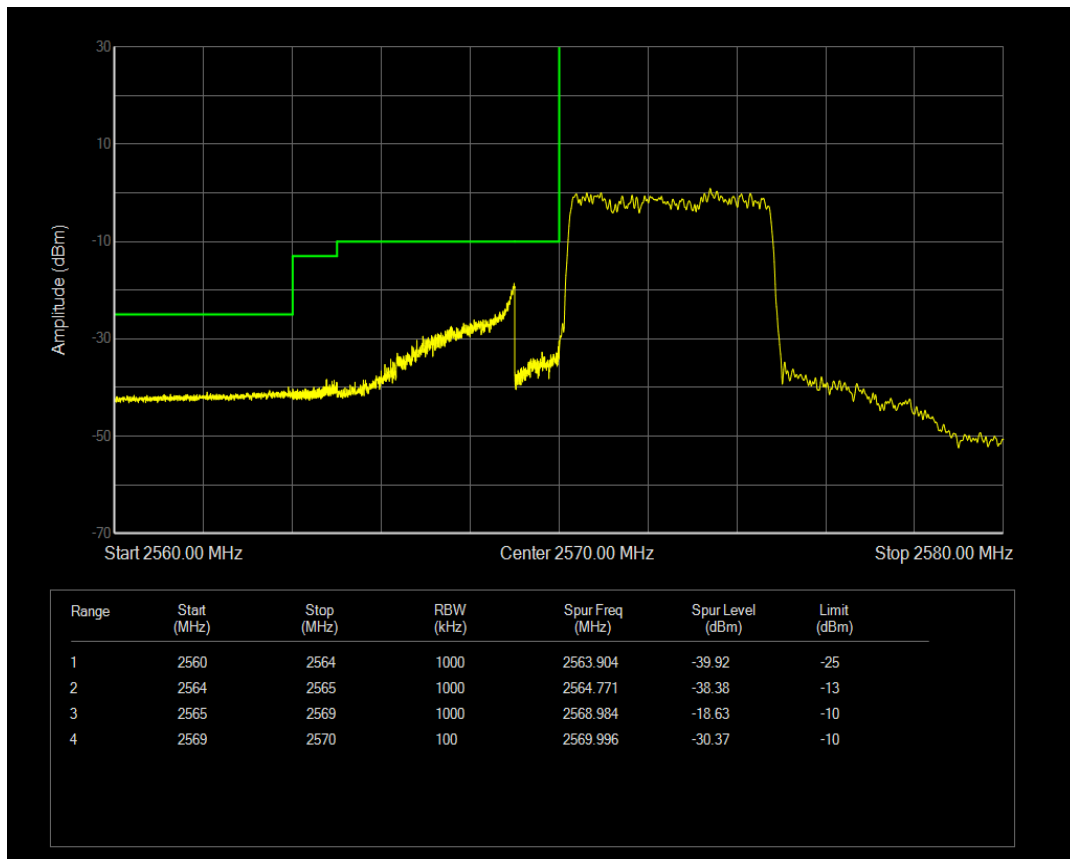
Appendix 5. Band edge

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	-16.46	-10	PASS
Band38	5	37775	25	#0	16QAM	2568.98	-18.63	-10	PASS
Band38	5	38225	25	#0	QPSK	2621.00	-18.57	-10	PASS
Band38	5	38225	25	#0	16QAM	2621.00	-18.12	-10	PASS
Band38	10	37800	50	#0	QPSK	2569.00	-24.24	-10	PASS
Band38	10	38200	50	#0	QPSK	2625.02	-28.28	-13	PASS
Band38	15	37825	75	#0	QPSK	2553.78	-41.21	-25	PASS
Band38	15	38175	75	#0	QPSK	2625.97	-28.18	-13	PASS
Band38	20	37850	100	#0	QPSK	2549.98	-41.20	-25	PASS
Band38	20	38150	100	#0	QPSK	2626.70	-29.76	-13	PASS

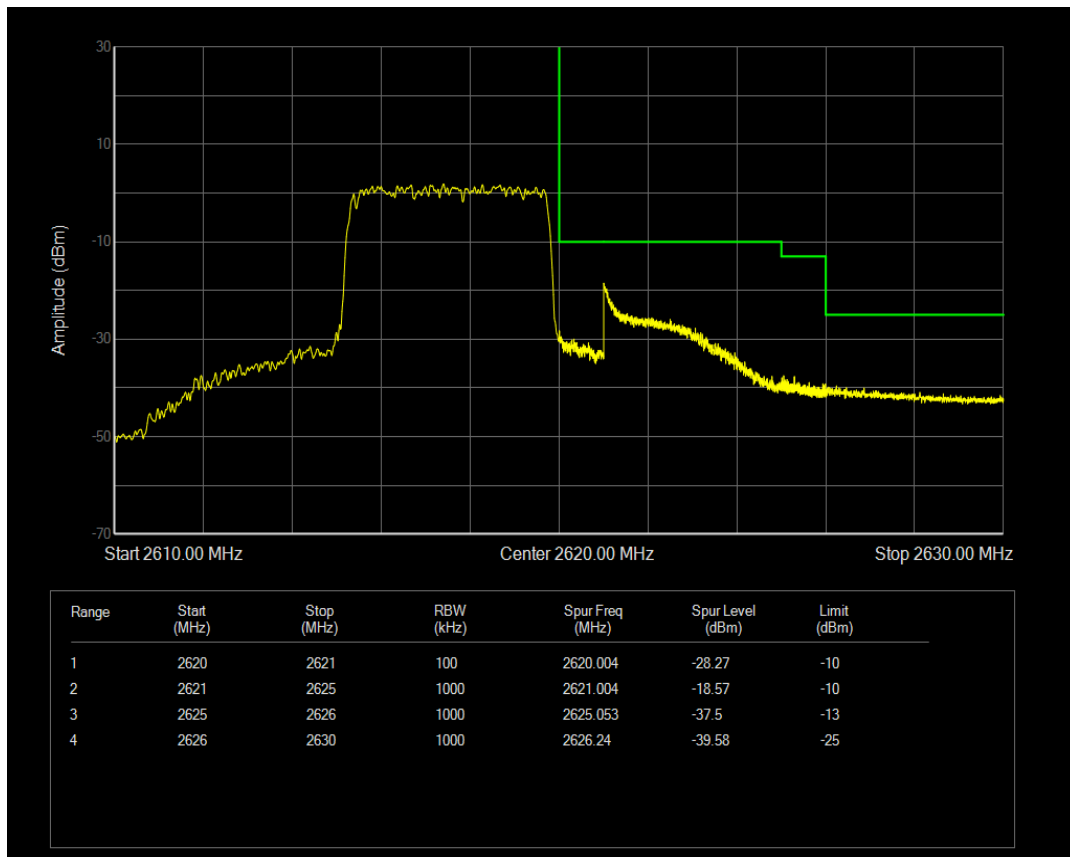
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



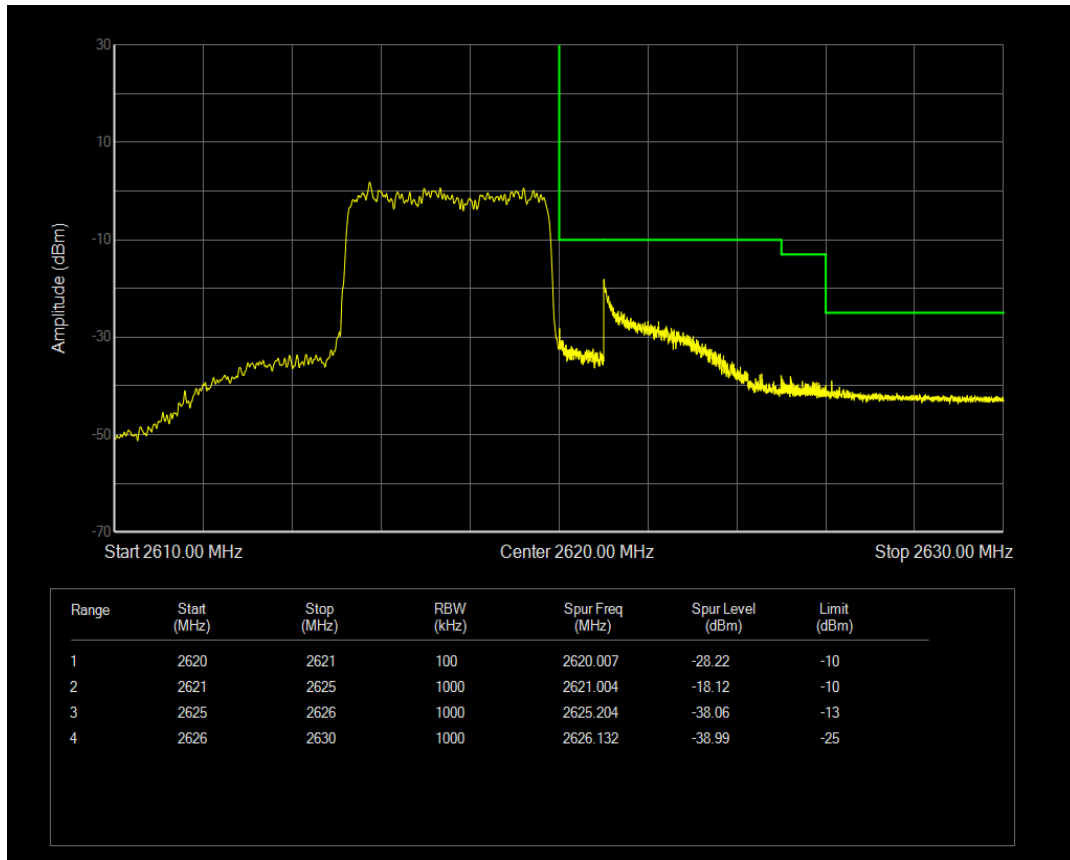
Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0



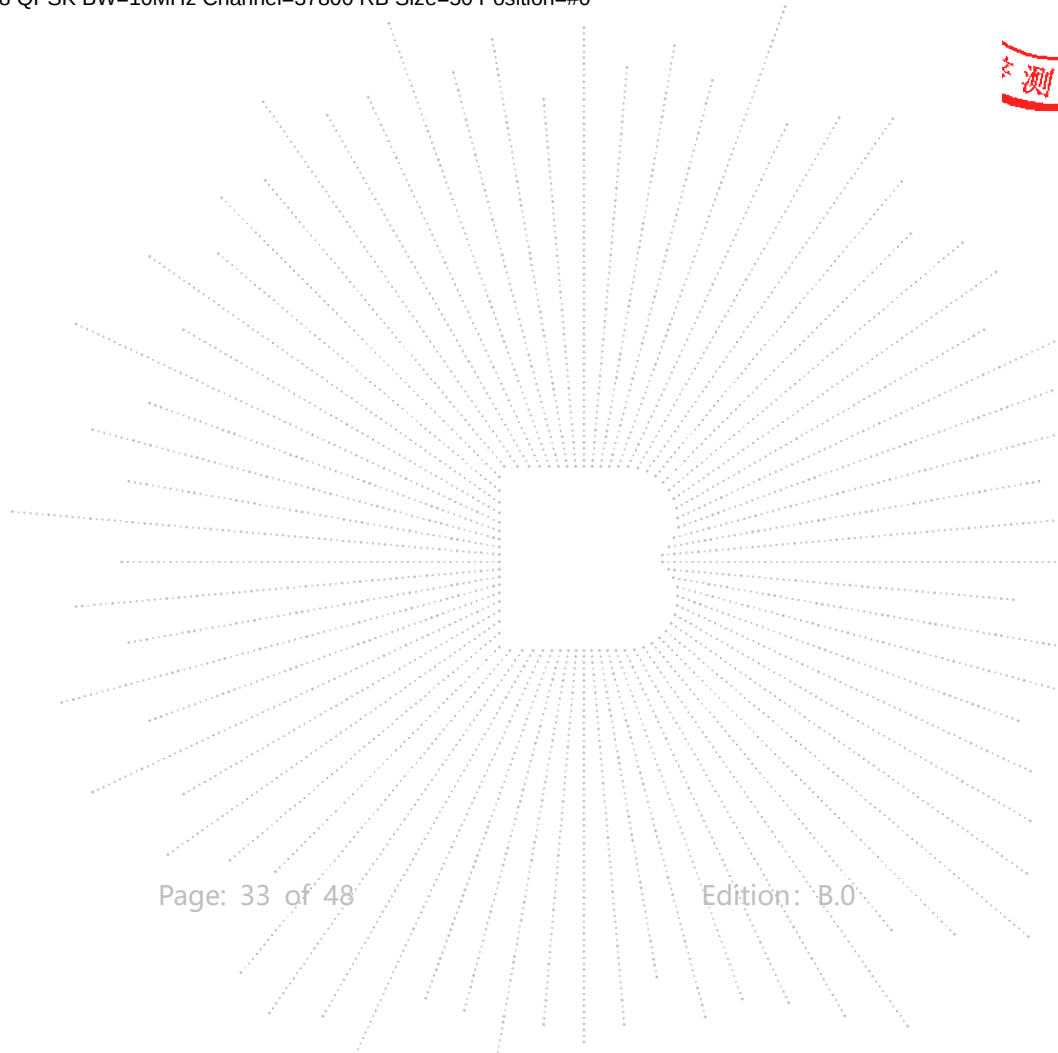
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0

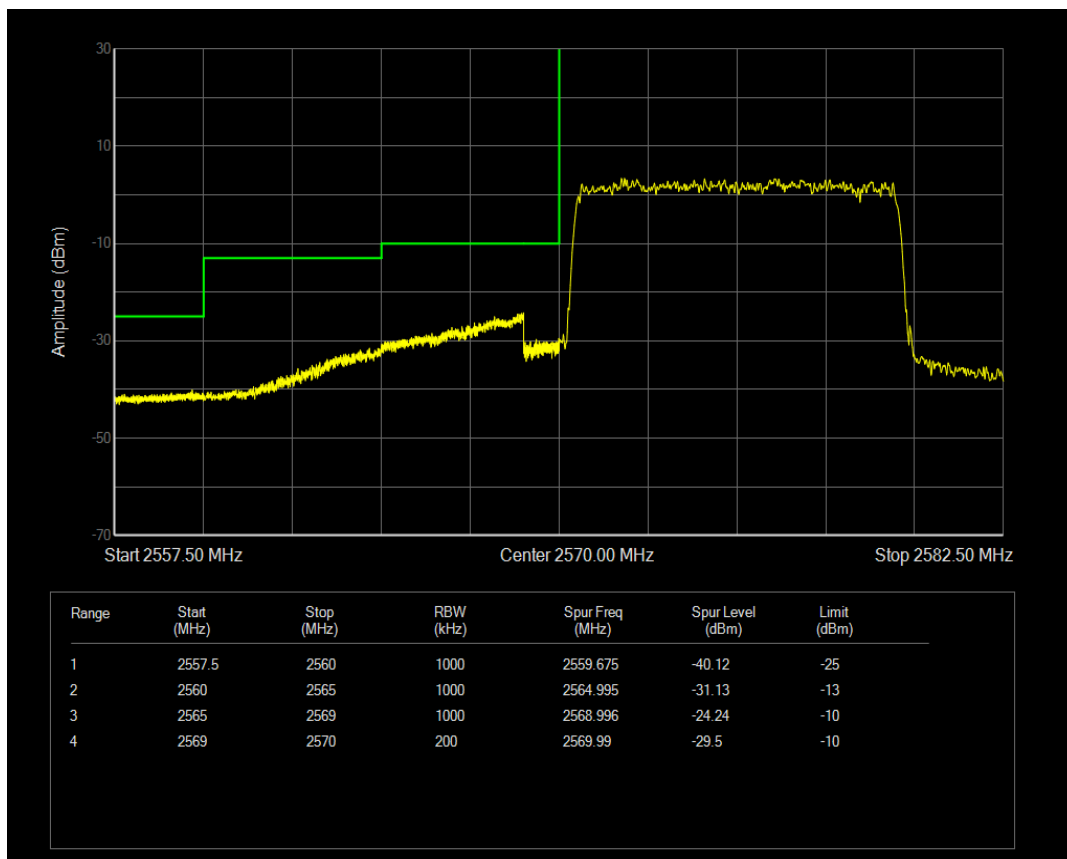


Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0

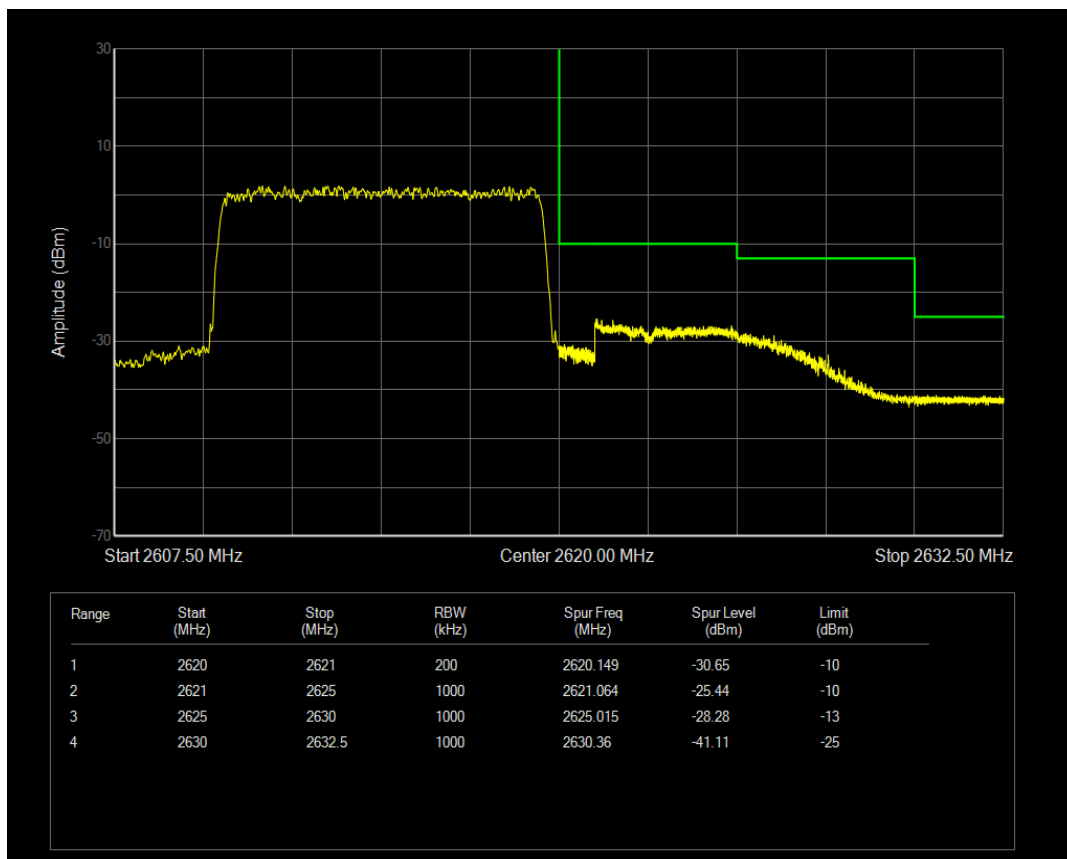


Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0

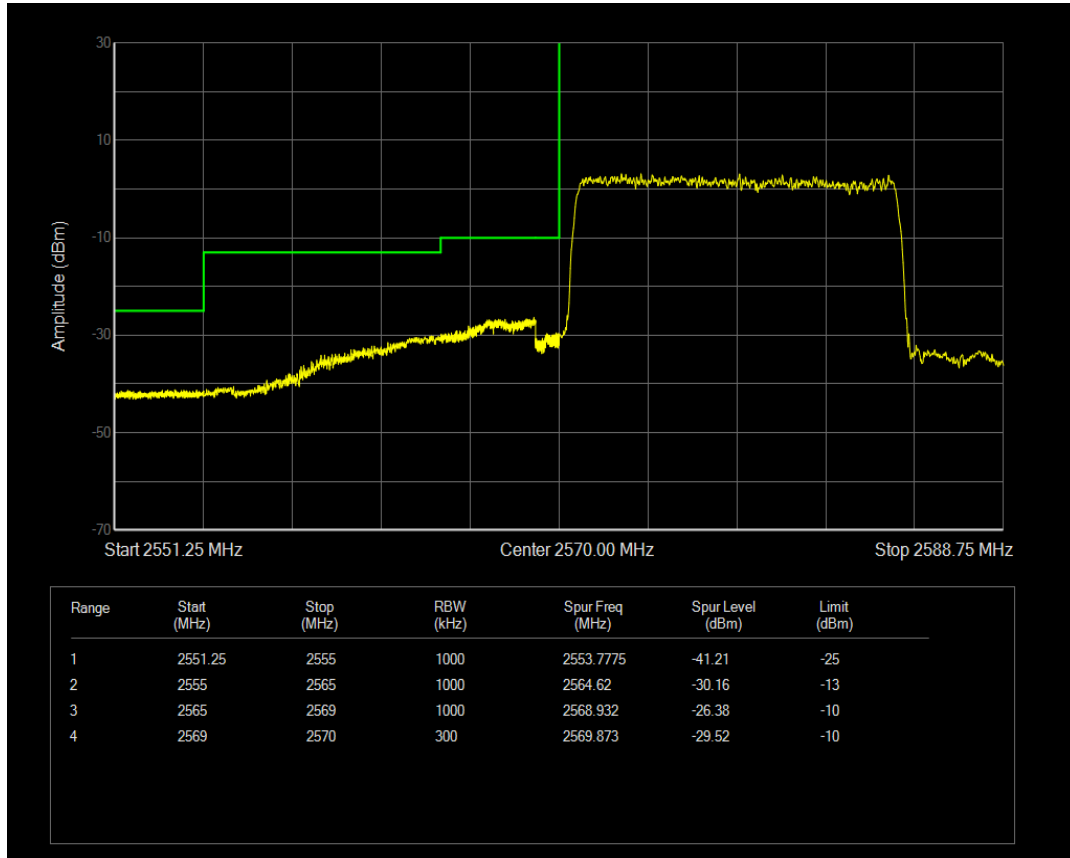




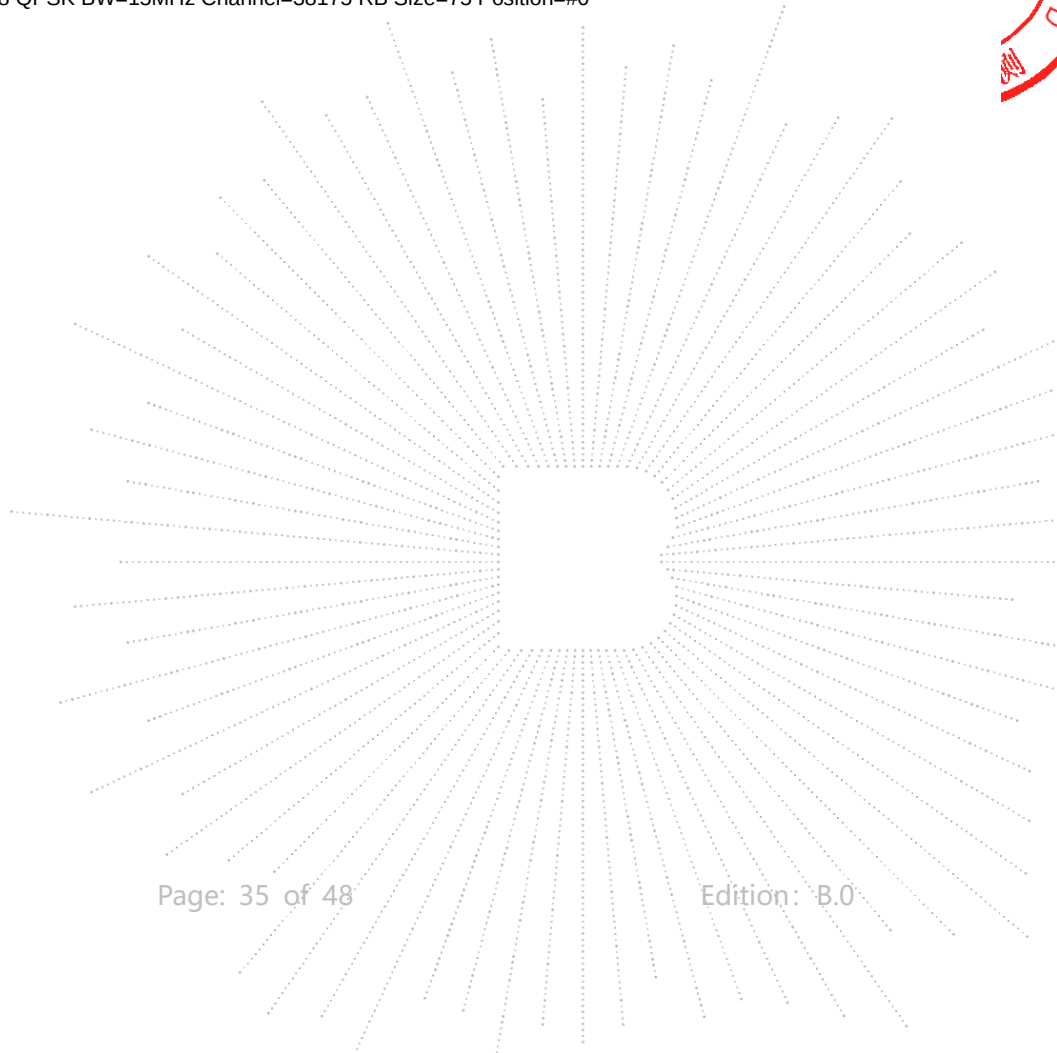
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0

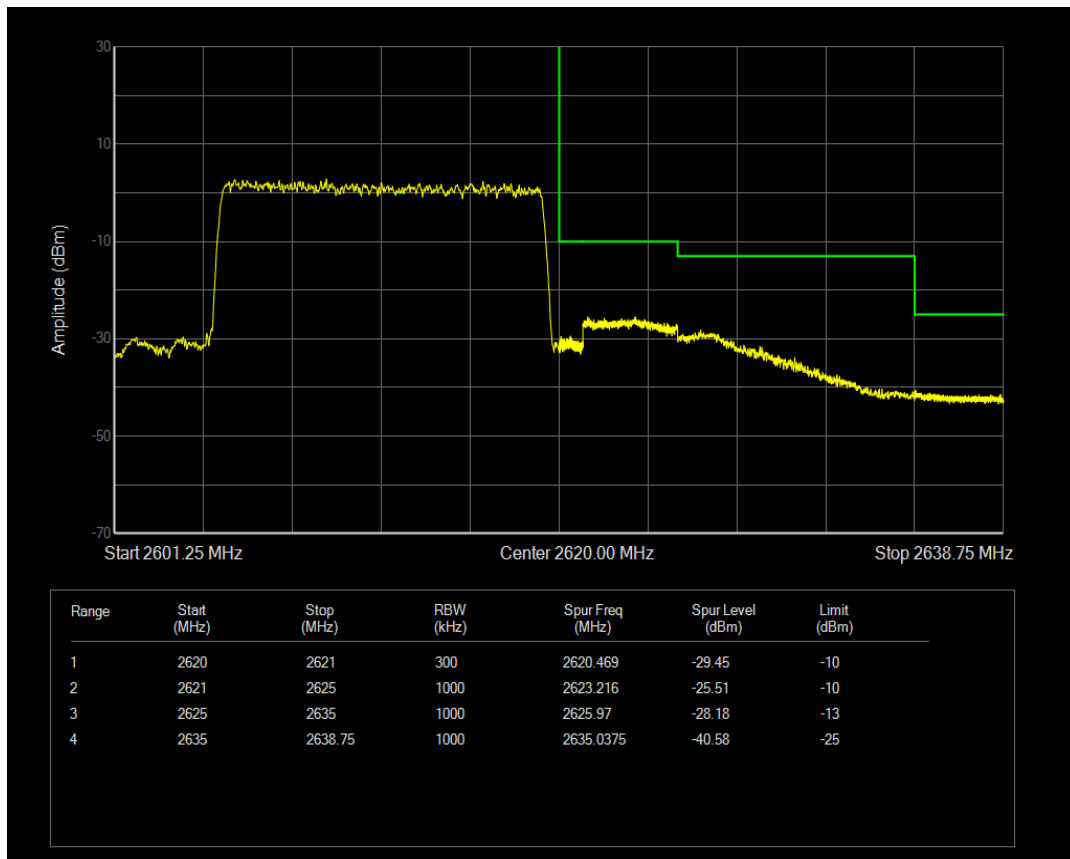


Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0

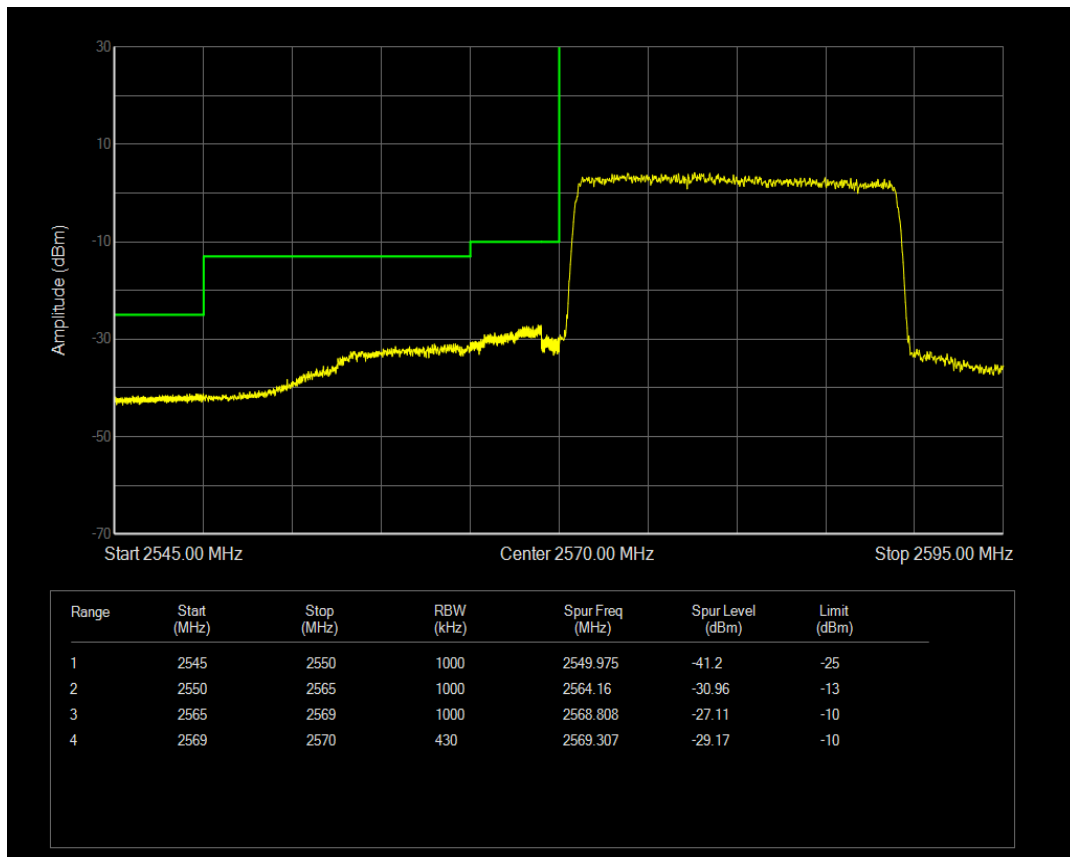


Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0

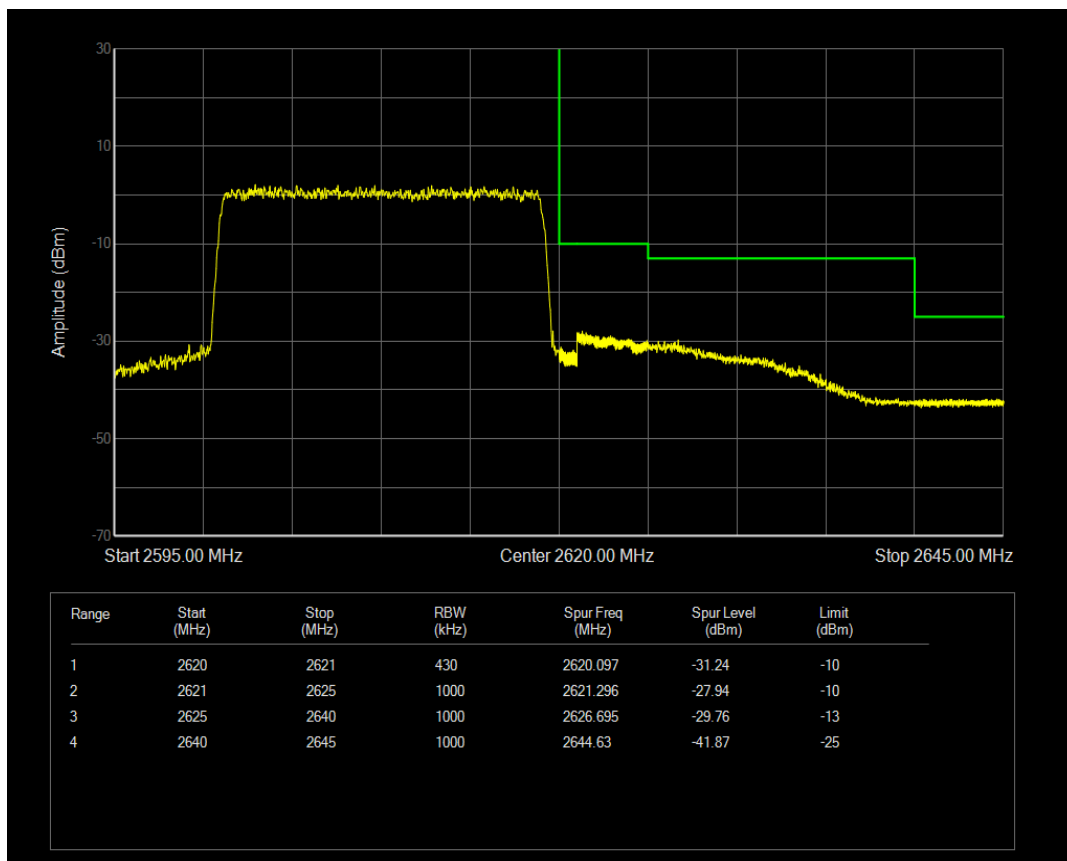




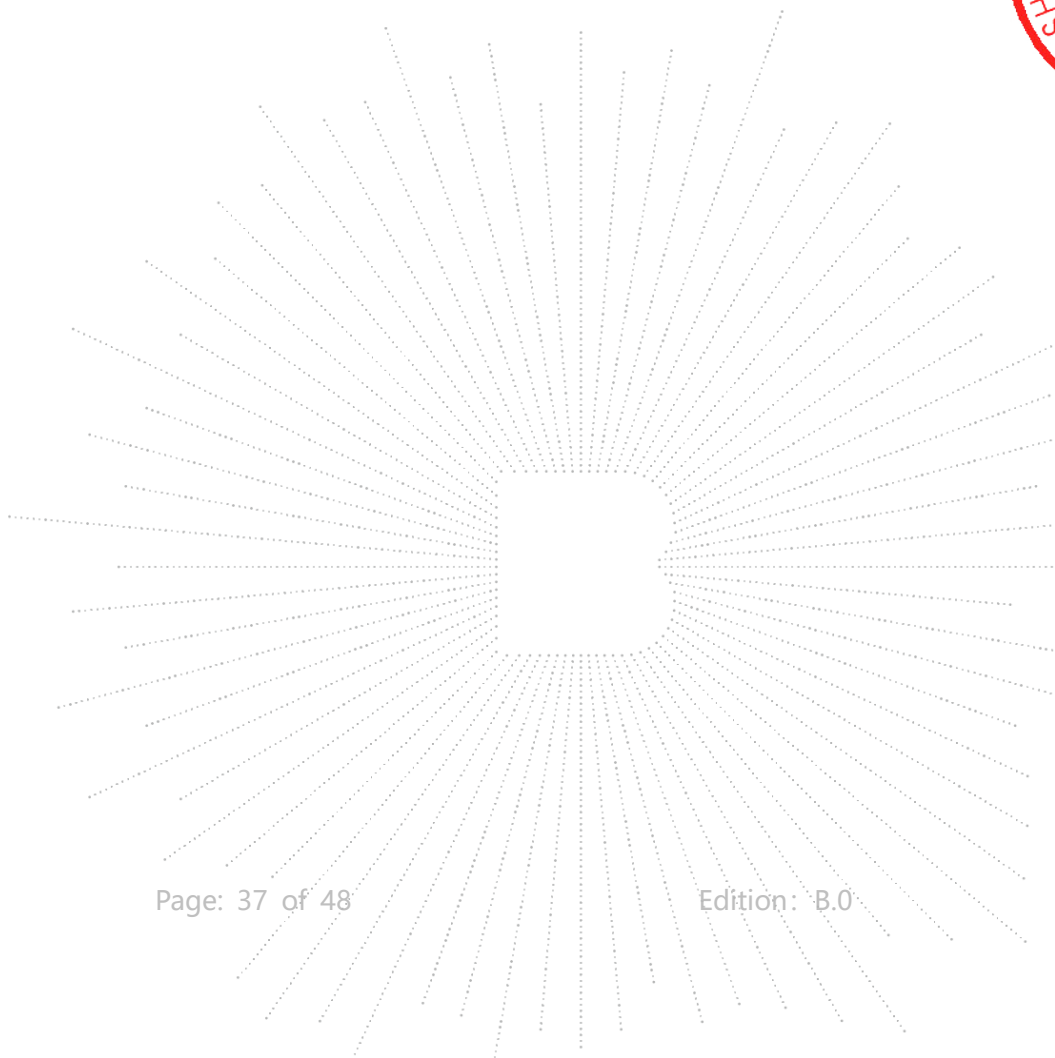
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



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



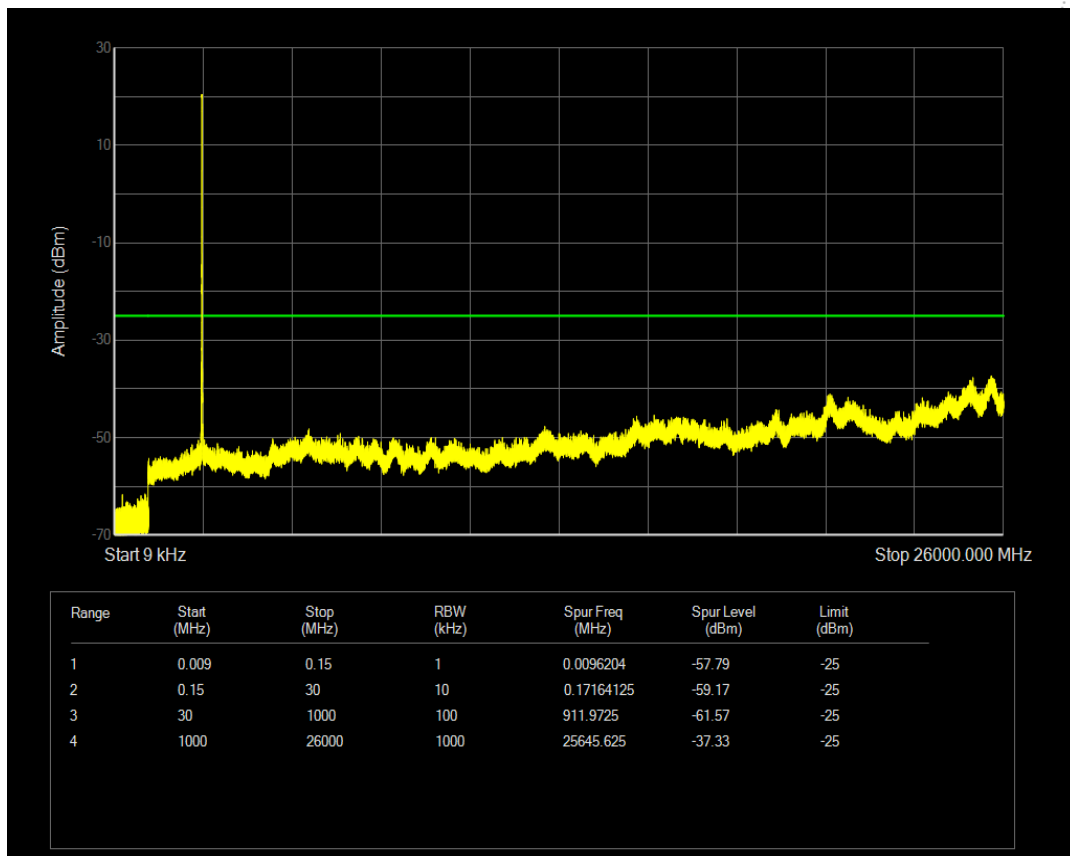
CHENZHEN



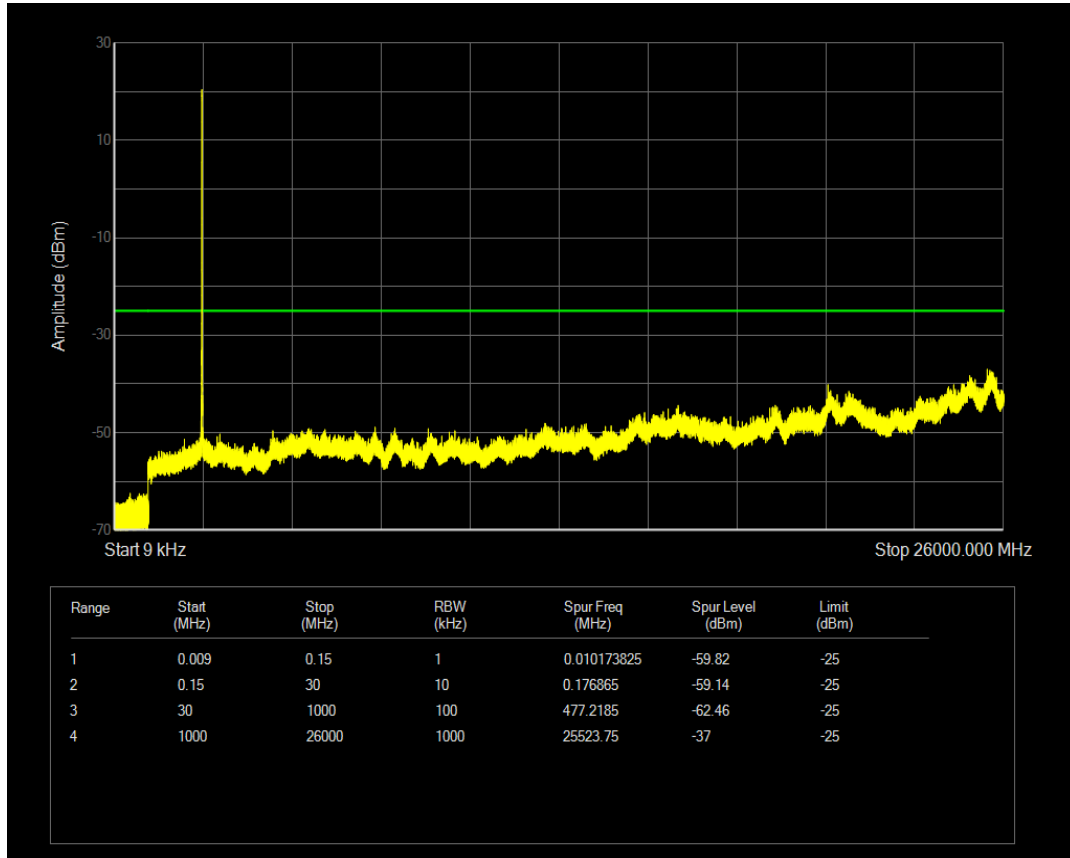
Appendix 6. Out-of-band emissions

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	25645.63	-37.33	-25	PASS
Band38	5	37775	25	#0	16QAM	25523.75	-37.00	-25	PASS
Band38	5	38000	25	#0	QPSK	25662.50	-36.73	-25	PASS
Band38	5	38000	25	#0	16QAM	25623.75	-35.68	-25	PASS
Band38	5	38225	25	#0	QPSK	25621.25	-37.20	-25	PASS
Band38	5	38225	25	#0	16QAM	25669.38	-36.00	-25	PASS
Band38	10	37800	50	#0	QPSK	25657.50	-36.85	-25	PASS
Band38	10	38000	50	#0	QPSK	25623.75	-37.58	-25	PASS
Band38	10	38200	50	#0	QPSK	25685.00	-36.00	-25	PASS
Band38	15	37825	75	#0	QPSK	25625.00	-36.96	-25	PASS
Band38	15	38000	75	#0	QPSK	25626.88	-36.26	-25	PASS
Band38	15	38175	75	#0	QPSK	25630.63	-36.31	-25	PASS
Band38	20	37850	100	#0	QPSK	25631.25	-36.93	-25	PASS
Band38	20	38000	100	#0	QPSK	25693.13	-36.71	-25	PASS
Band38	20	38150	100	#0	QPSK	25570.63	-37.37	-25	PASS

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

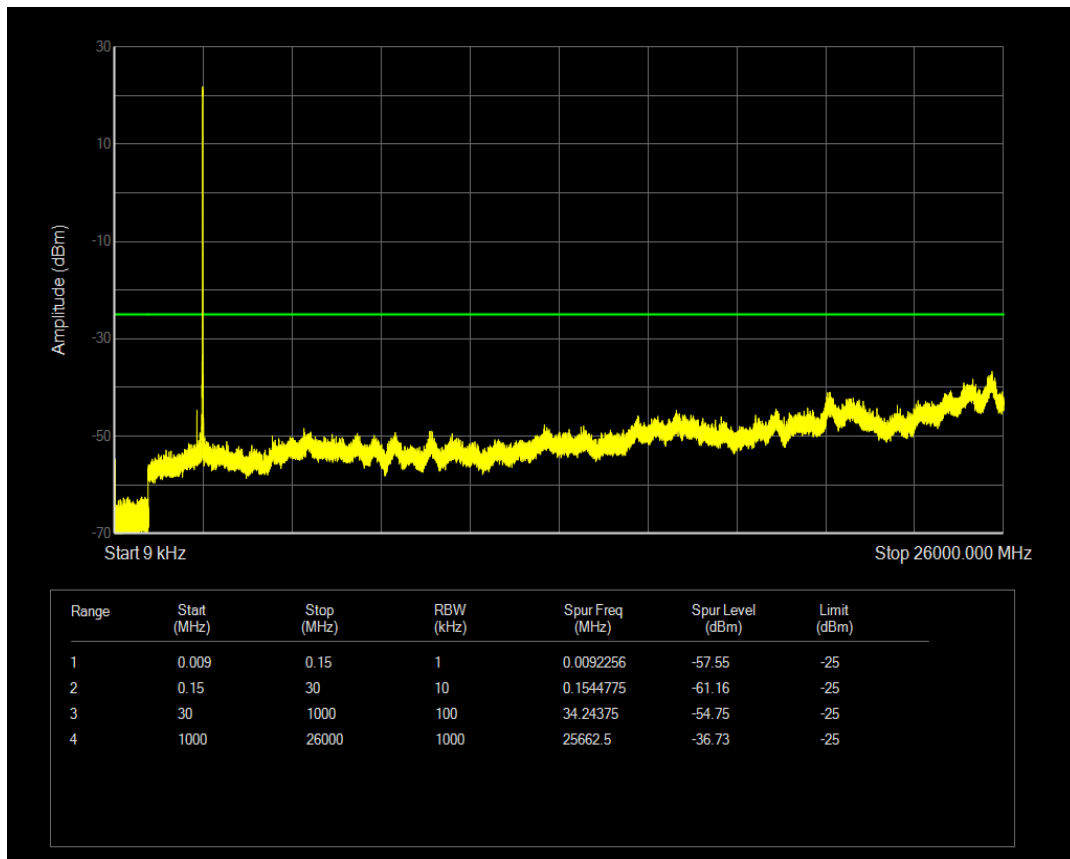


Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0

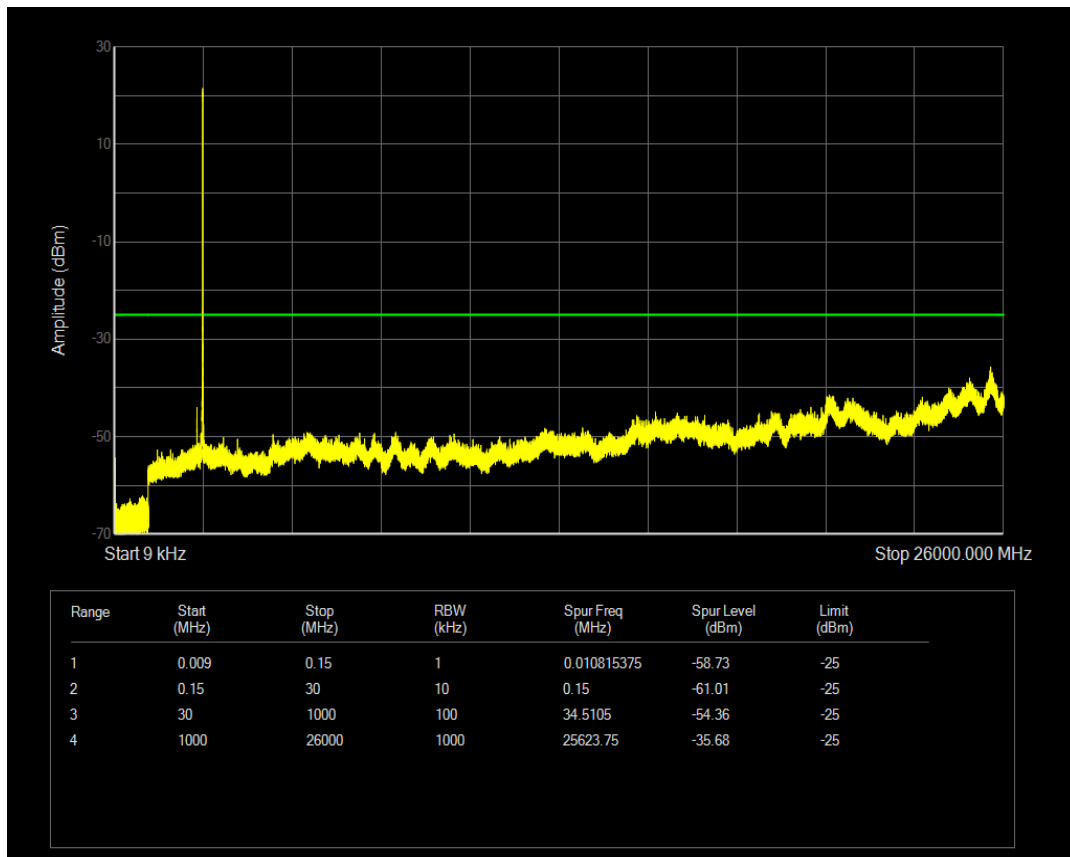


Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0

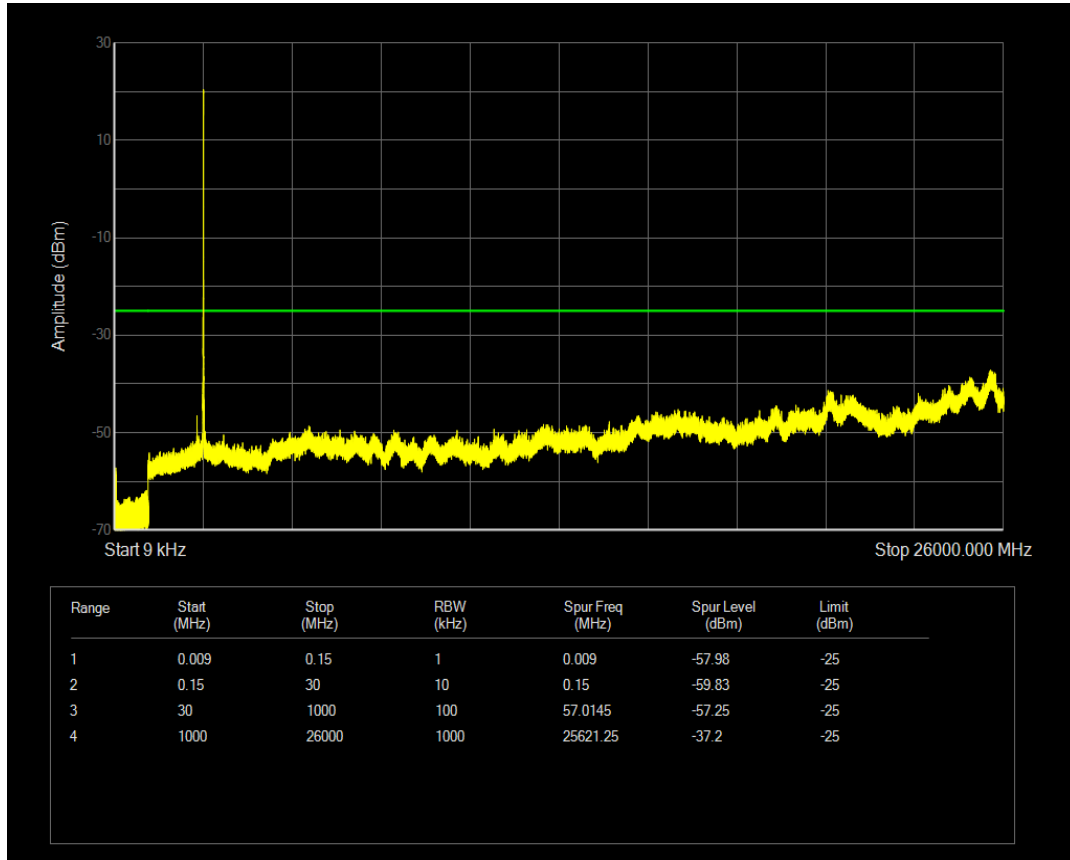
TC
3C
PPR
測



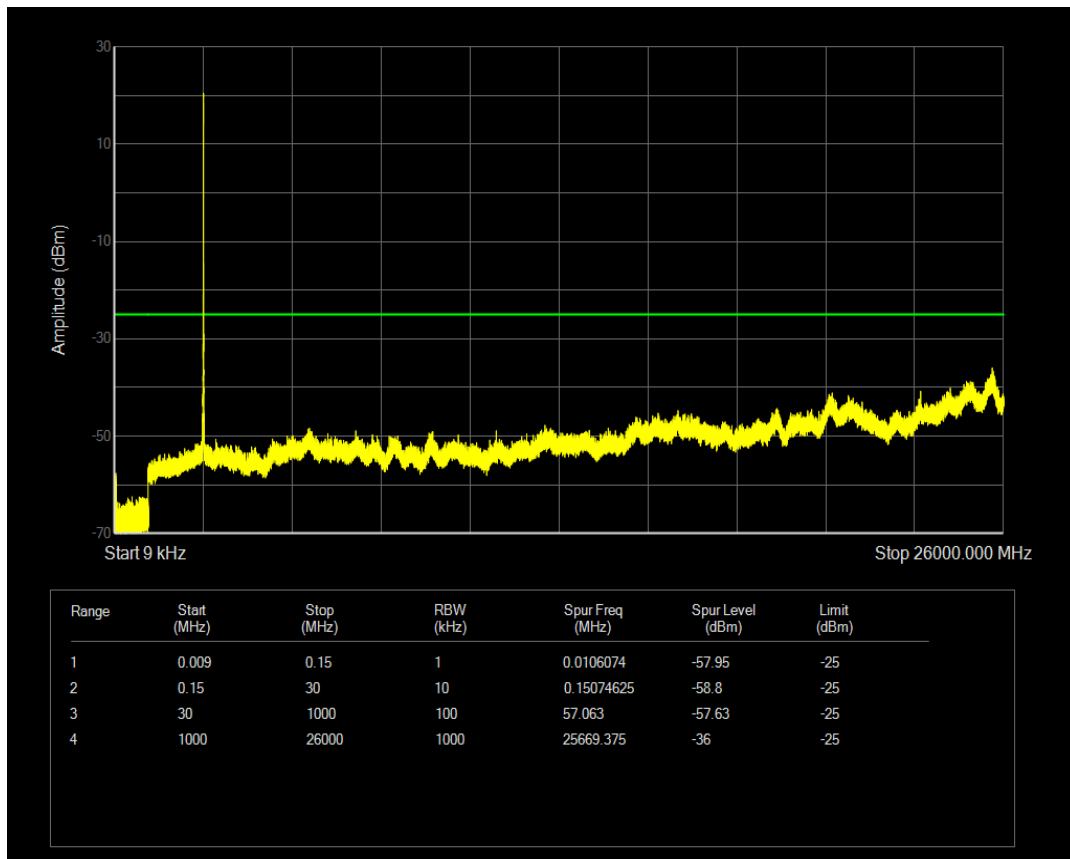
Band38 16QAM BW=5MHz Channel=38000 RB Size=25 Position=#0



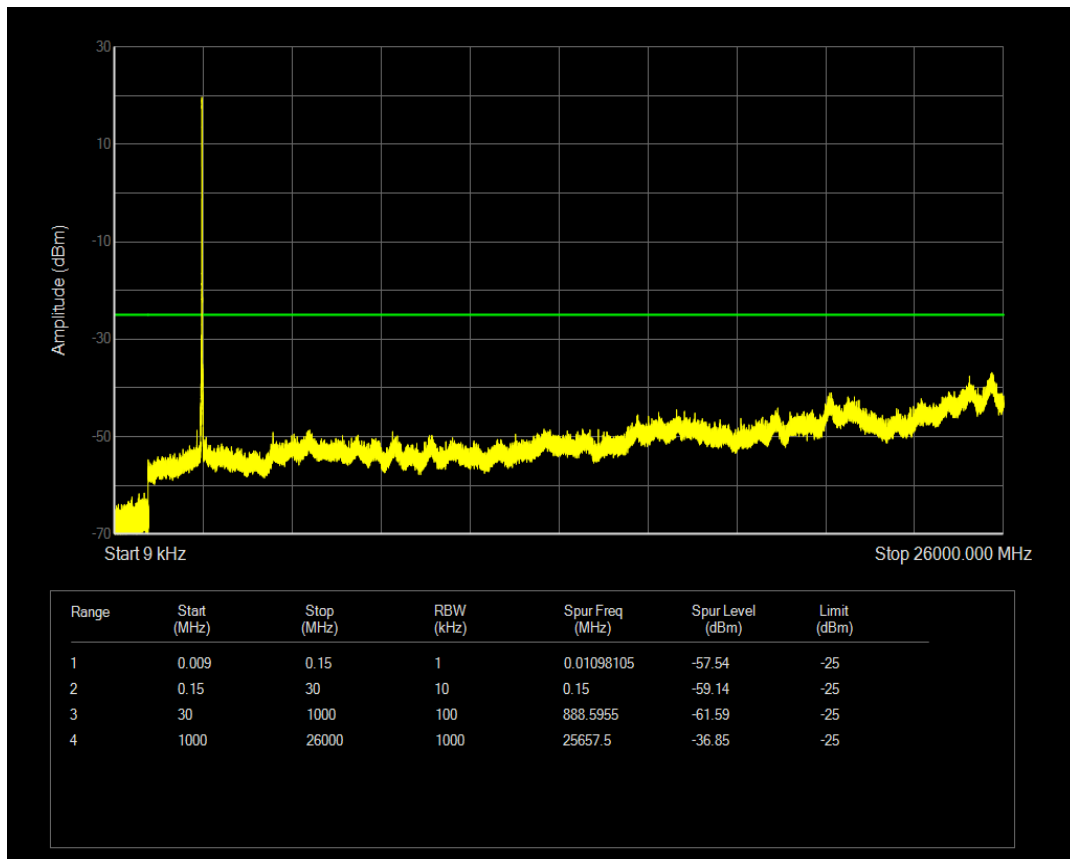
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



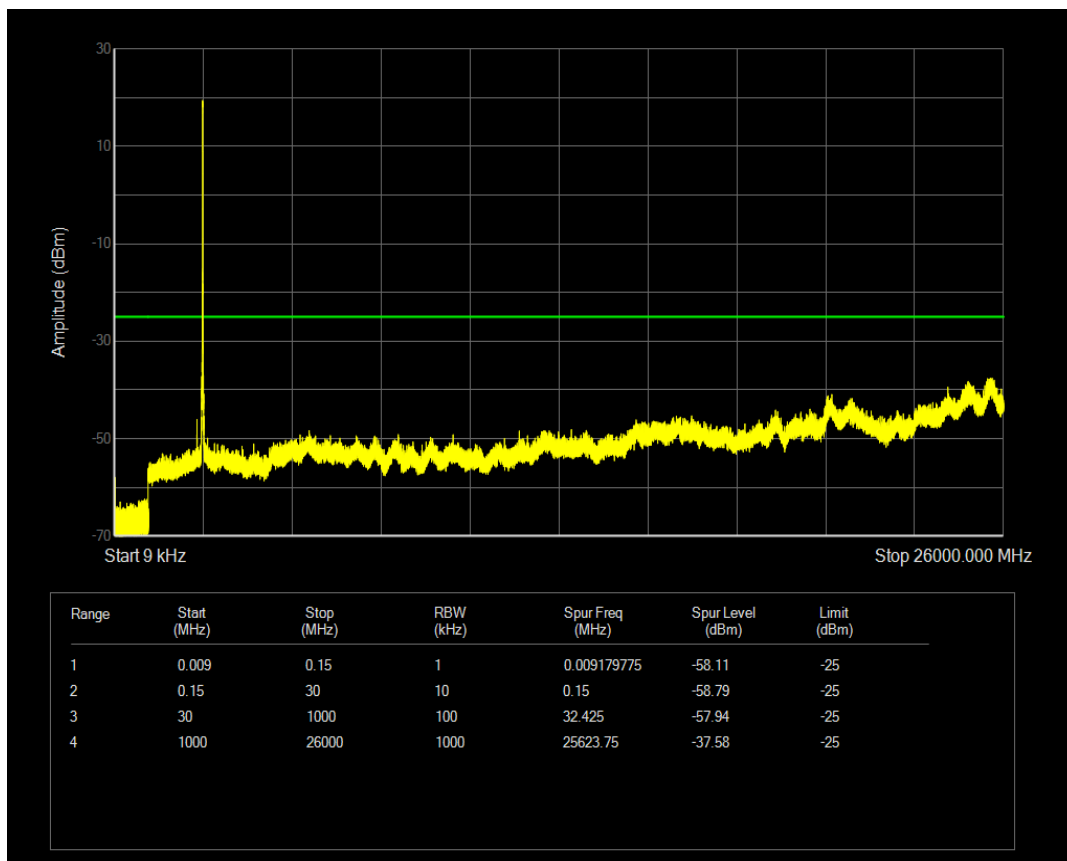
Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0



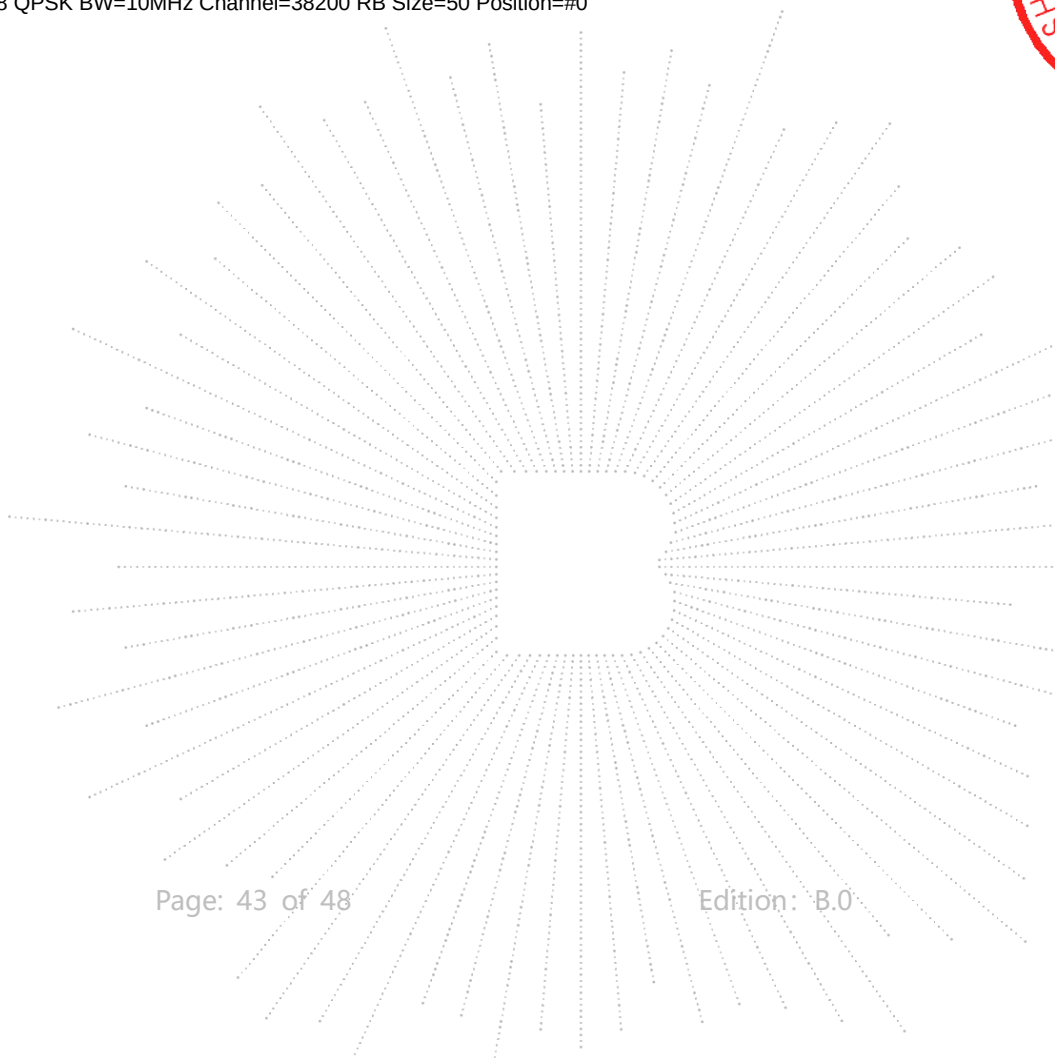
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0

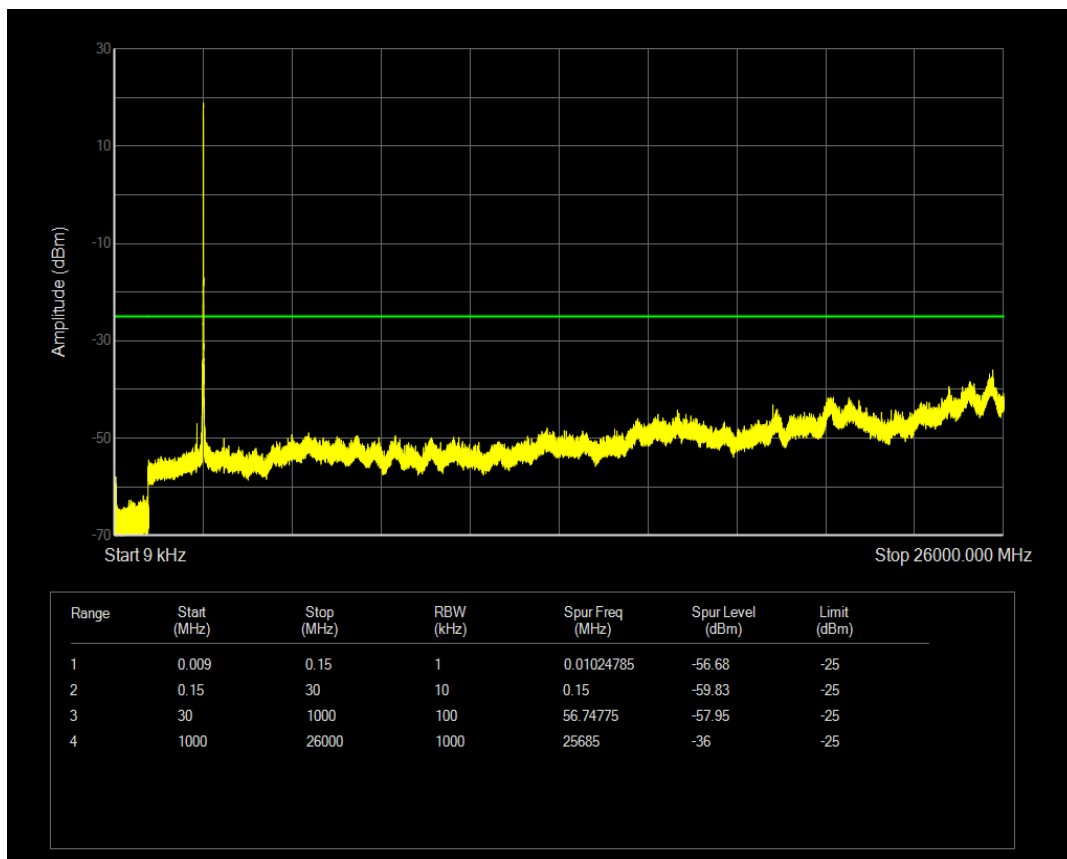


Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0

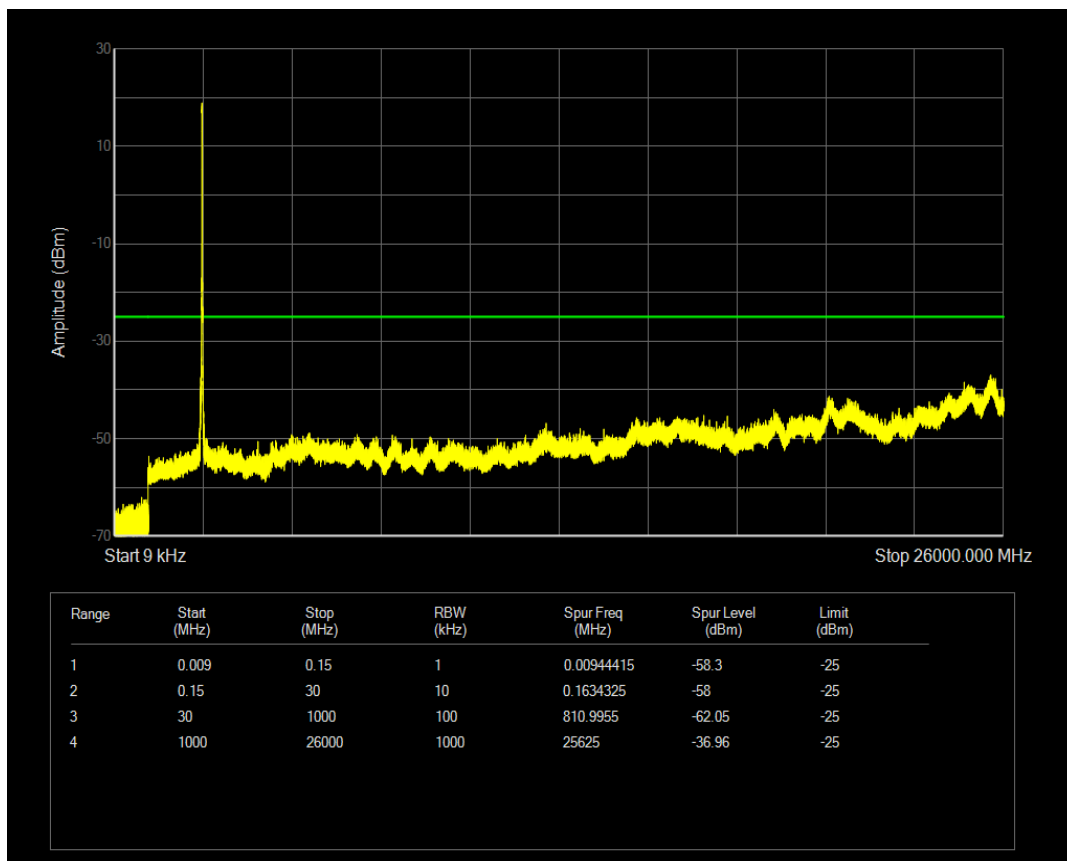


Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0

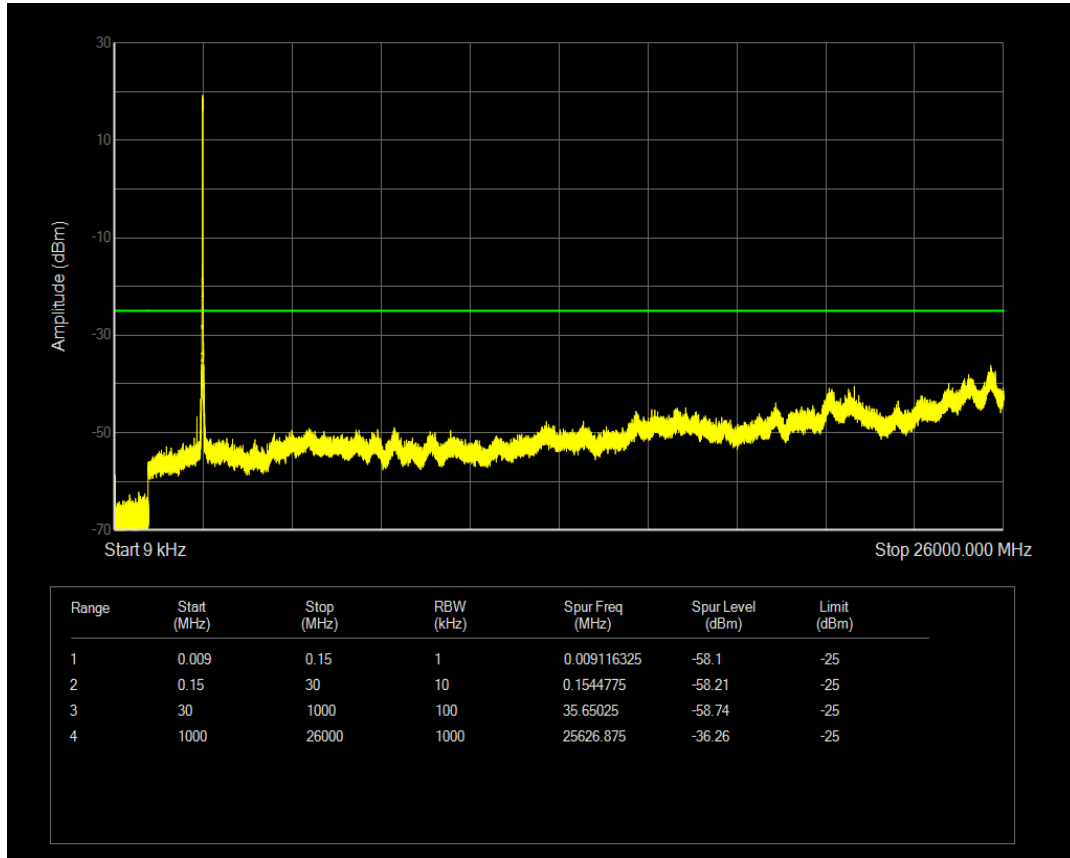




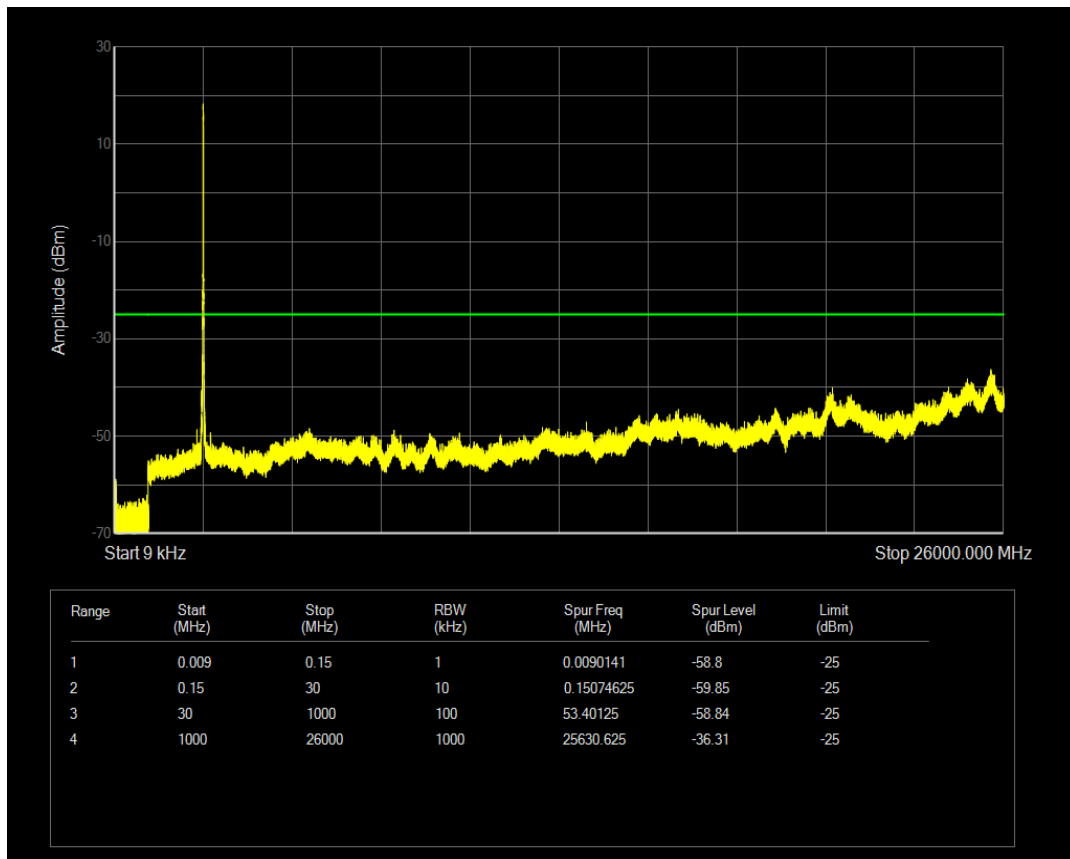
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



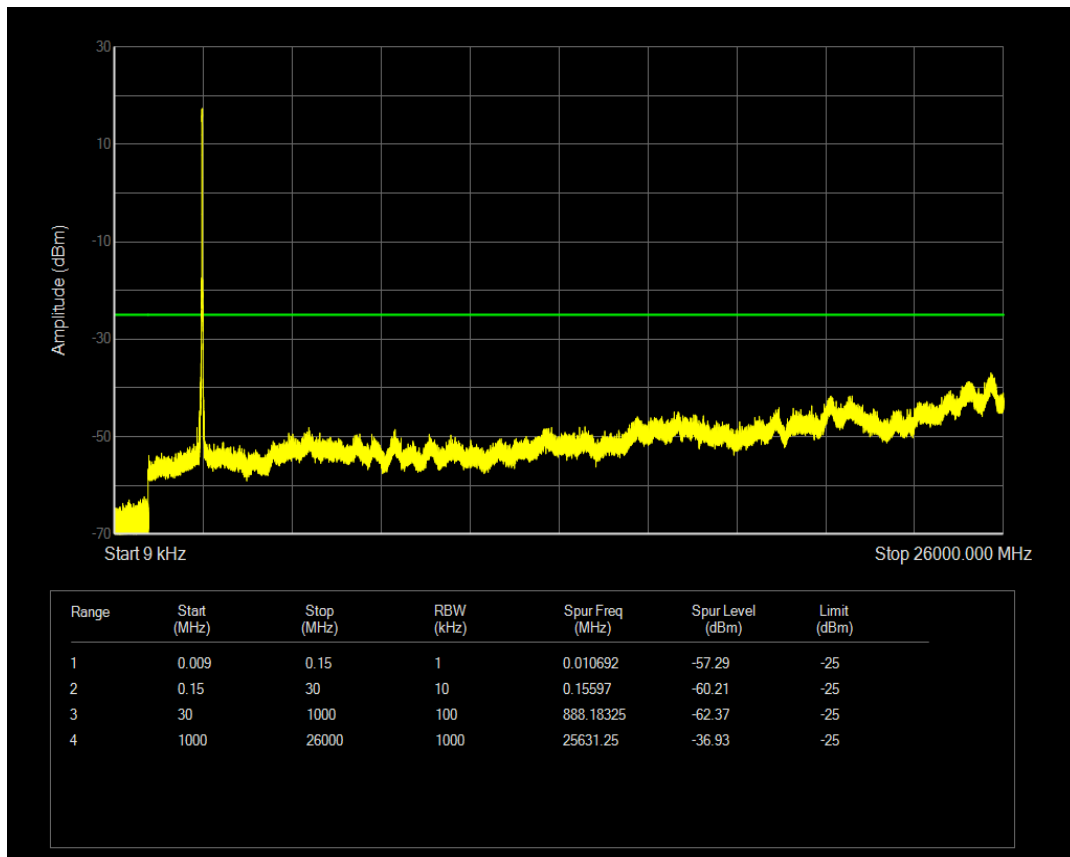
Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0



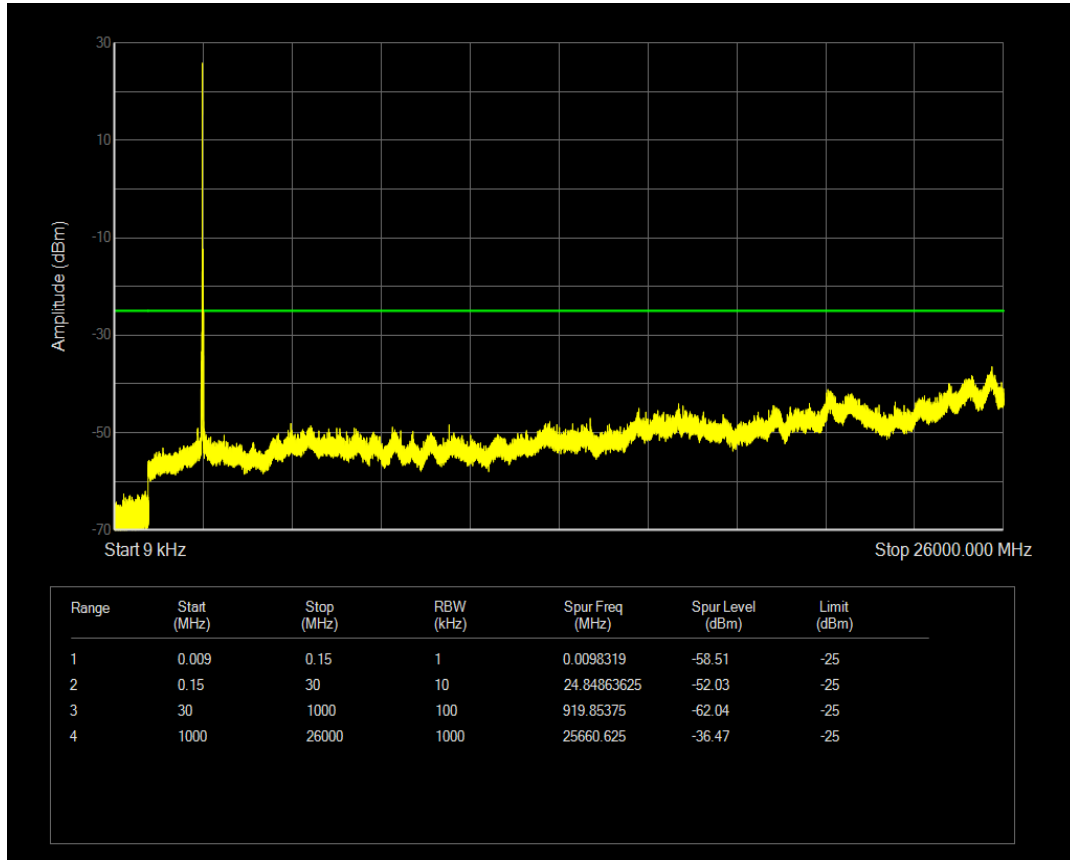
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



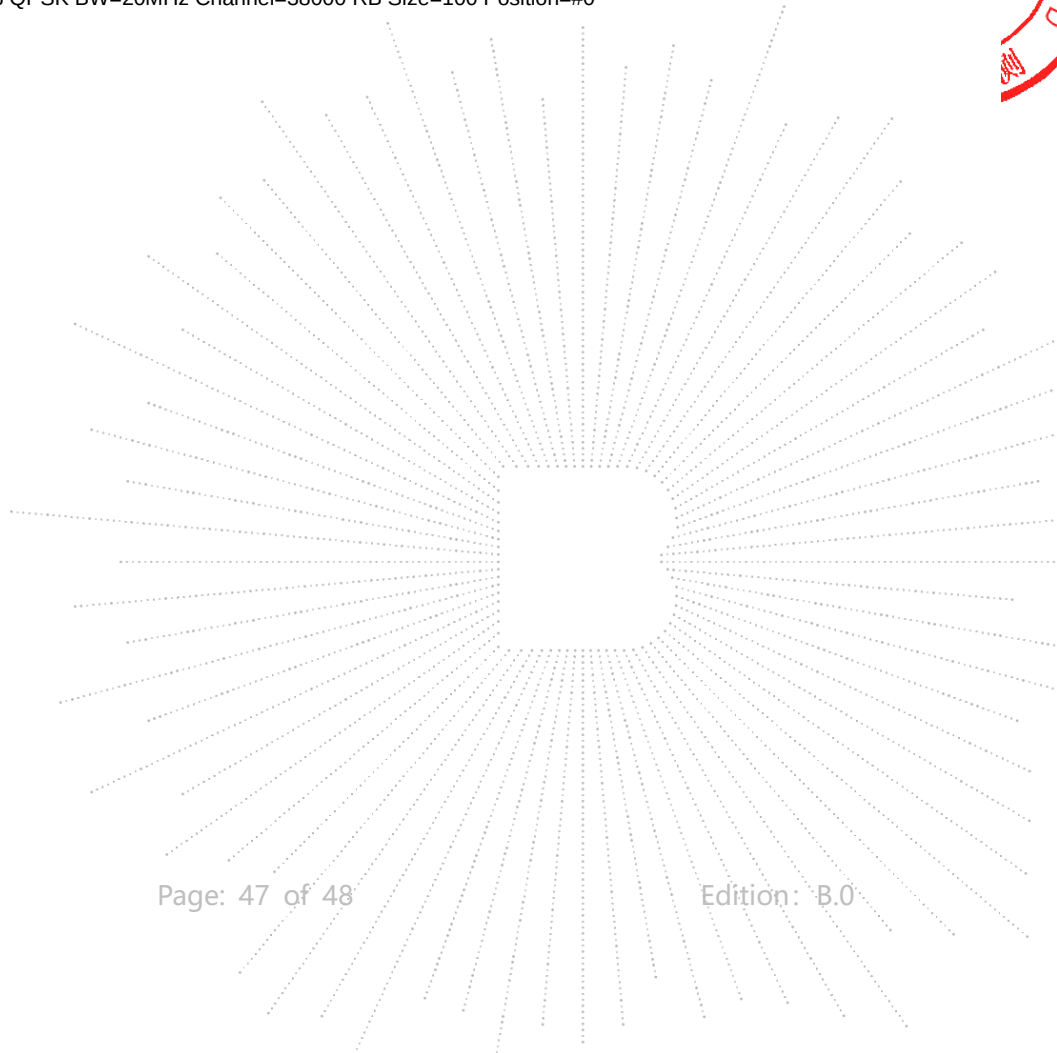
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0

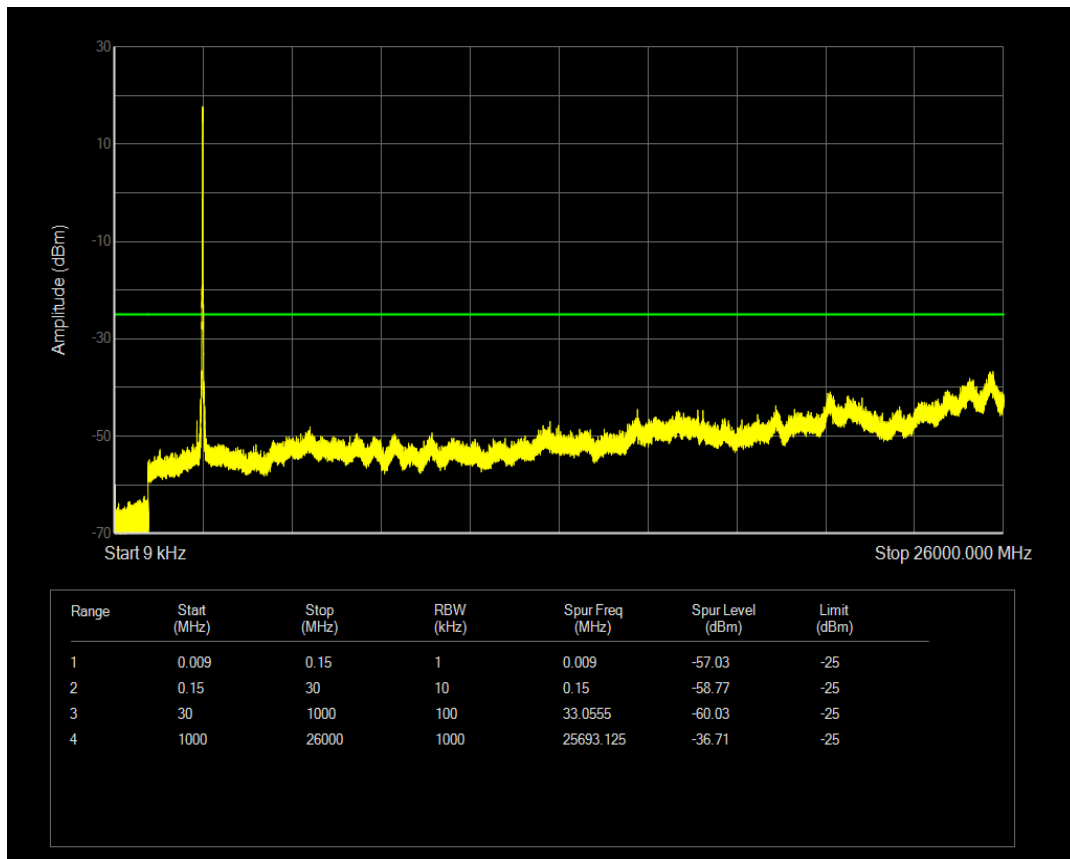


Band38 QPSK BW=20MHz Channel=38000 RB Size=1 Position=#0



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





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

