

Appendix for Band 38

Report No.: BCTC2506476417-5E

Applicant: Shanghai TUGE Data Technologies Co., Ltd.

Product Name: Smart Car Holder with Charging & WiFi

Test Model: TC10

Tested Date: 2025-06-24 to 2025-07-30

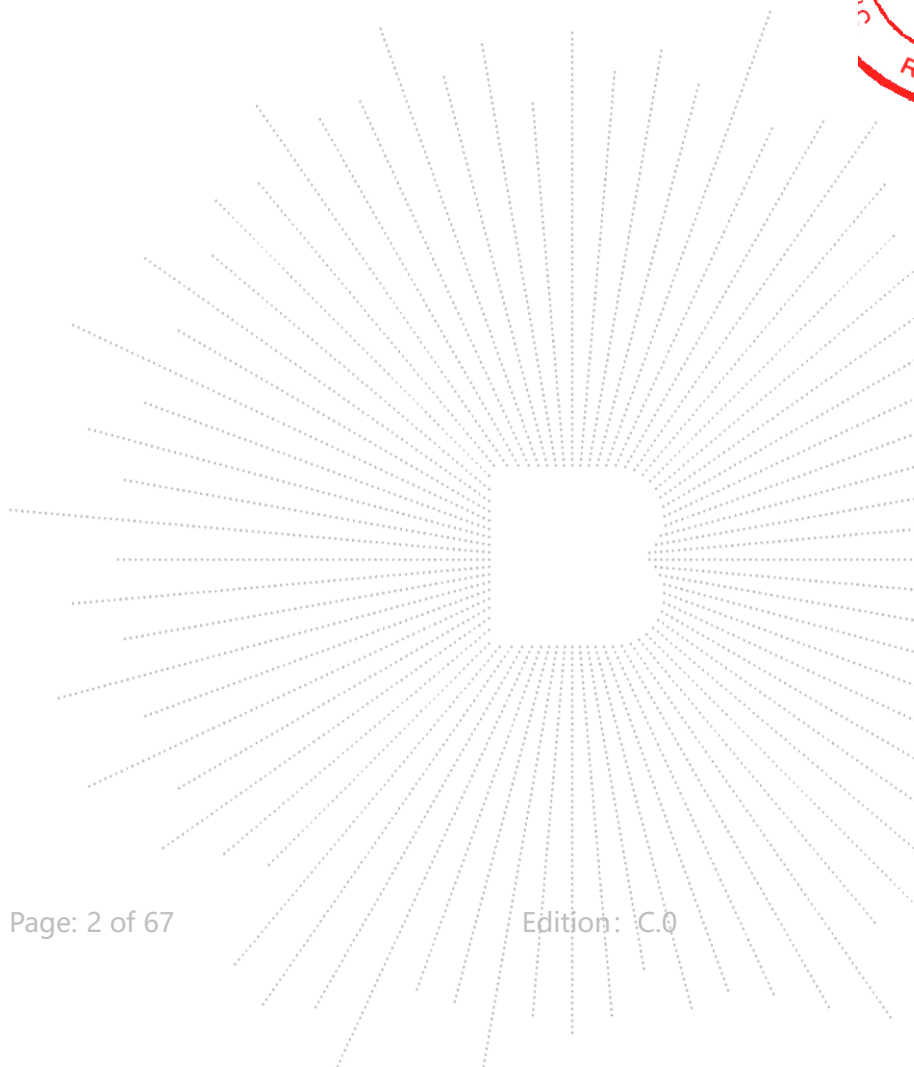
Issued Date: 2025-09-03

Shenzhen BCTC Testing Co., Ltd.



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Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band38	5	37775	1	#0	QPSK	22.18	PASS
Band38	5	37775	1	#Mid	QPSK	22.20	PASS
Band38	5	37775	1	#Max	QPSK	22.22	PASS
Band38	5	37775	12	#0	QPSK	21.40	PASS
Band38	5	37775	12	#Mid	QPSK	21.44	PASS
Band38	5	37775	12	#Max	QPSK	21.30	PASS
Band38	5	37775	25	#0	QPSK	21.43	PASS
Band38	5	37775	1	#0	16QAM	21.10	PASS
Band38	5	37775	1	#Mid	16QAM	21.07	PASS
Band38	5	37775	1	#Max	16QAM	21.15	PASS
Band38	5	37775	12	#0	16QAM	20.45	PASS
Band38	5	37775	12	#Mid	16QAM	20.51	PASS
Band38	5	37775	12	#Max	16QAM	20.37	PASS
Band38	5	37775	25	#0	16QAM	20.43	PASS
Band38	5	38000	1	#0	QPSK	22.25	PASS
Band38	5	38000	1	#Mid	QPSK	22.27	PASS
Band38	5	38000	1	#Max	QPSK	22.28	PASS
Band38	5	38000	12	#0	QPSK	21.54	PASS
Band38	5	38000	12	#Mid	QPSK	21.41	PASS
Band38	5	38000	12	#Max	QPSK	21.44	PASS
Band38	5	38000	25	#0	QPSK	21.44	PASS
Band38	5	38000	1	#0	16QAM	21.75	PASS
Band38	5	38000	1	#Mid	16QAM	21.80	PASS
Band38	5	38000	1	#Max	16QAM	21.76	PASS
Band38	5	38000	12	#0	16QAM	20.50	PASS
Band38	5	38000	12	#Mid	16QAM	20.53	PASS
Band38	5	38000	12	#Max	16QAM	20.55	PASS
Band38	5	38000	25	#0	16QAM	20.64	PASS
Band38	5	38225	1	#0	QPSK	22.52	PASS
Band38	5	38225	1	#Mid	QPSK	22.61	PASS
Band38	5	38225	1	#Max	QPSK	22.56	PASS
Band38	5	38225	12	#0	QPSK	21.55	PASS
Band38	5	38225	12	#Mid	QPSK	21.66	PASS
Band38	5	38225	12	#Max	QPSK	21.46	PASS
Band38	5	38225	25	#0	QPSK	21.53	PASS
Band38	5	38225	1	#0	16QAM	21.21	PASS
Band38	5	38225	1	#Mid	16QAM	21.24	PASS
Band38	5	38225	1	#Max	16QAM	21.24	PASS
Band38	5	38225	12	#0	16QAM	20.54	PASS

Band38	5	38225	12	#Mid	16QAM	20.59	PASS
Band38	5	38225	12	#Max	16QAM	20.64	PASS
Band38	5	38225	25	#0	16QAM	20.80	PASS
Band38	10	37800	1	#0	QPSK	22.51	PASS
Band38	10	37800	1	#Mid	QPSK	22.50	PASS
Band38	10	37800	1	#Max	QPSK	22.53	PASS
Band38	10	37800	25	#0	QPSK	21.40	PASS
Band38	10	37800	25	#Mid	QPSK	21.33	PASS
Band38	10	37800	25	#Max	QPSK	21.34	PASS
Band38	10	37800	50	#0	QPSK	21.35	PASS
Band38	10	37800	1	#0	16QAM	22.06	PASS
Band38	10	37800	1	#Mid	16QAM	22.24	PASS
Band38	10	37800	1	#Max	16QAM	22.04	PASS
Band38	10	37800	25	#0	16QAM	20.36	PASS
Band38	10	37800	25	#Mid	16QAM	20.45	PASS
Band38	10	37800	25	#Max	16QAM	20.44	PASS
Band38	10	37800	50	#0	16QAM	20.50	PASS
Band38	10	38000	1	#0	QPSK	22.64	PASS
Band38	10	38000	1	#Mid	QPSK	22.65	PASS
Band38	10	38000	1	#Max	QPSK	22.66	PASS
Band38	10	38000	25	#0	QPSK	21.51	PASS
Band38	10	38000	25	#Mid	QPSK	21.45	PASS
Band38	10	38000	25	#Max	QPSK	21.45	PASS
Band38	10	38000	50	#0	QPSK	21.46	PASS
Band38	10	38000	1	#0	16QAM	21.29	PASS
Band38	10	38000	1	#Mid	16QAM	21.34	PASS
Band38	10	38000	1	#Max	16QAM	21.30	PASS
Band38	10	38000	25	#0	16QAM	20.63	PASS
Band38	10	38000	25	#Mid	16QAM	20.69	PASS
Band38	10	38000	25	#Max	16QAM	20.69	PASS
Band38	10	38000	50	#0	16QAM	20.65	PASS
Band38	10	38200	1	#0	QPSK	22.43	PASS
Band38	10	38200	1	#Mid	QPSK	22.47	PASS
Band38	10	38200	1	#Max	QPSK	22.48	PASS
Band38	10	38200	25	#0	QPSK	21.55	PASS
Band38	10	38200	25	#Mid	QPSK	21.56	PASS
Band38	10	38200	25	#Max	QPSK	21.56	PASS
Band38	10	38200	50	#0	QPSK	21.62	PASS
Band38	10	38200	1	#0	16QAM	21.98	PASS
Band38	10	38200	1	#Mid	16QAM	22.06	PASS
Band38	10	38200	1	#Max	16QAM	21.88	PASS
Band38	10	38200	25	#0	16QAM	20.88	PASS
Band38	10	38200	25	#Mid	16QAM	20.90	PASS
Band38	10	38200	25	#Max	16QAM	20.78	PASS

Band38	10	38200	50	#0	16QAM	20.70	PASS
Band38	15	37825	1	#0	QPSK	22.44	PASS
Band38	15	37825	1	#Mid	QPSK	22.49	PASS
Band38	15	37825	1	#Max	QPSK	22.53	PASS
Band38	15	37825	36	#0	QPSK	21.48	PASS
Band38	15	37825	36	#Mid	QPSK	21.46	PASS
Band38	15	37825	36	#Max	QPSK	21.37	PASS
Band38	15	37825	75	#0	QPSK	21.33	PASS
Band38	15	37825	1	#0	16QAM	22.17	PASS
Band38	15	37825	1	#Mid	16QAM	22.23	PASS
Band38	15	37825	1	#Max	16QAM	22.10	PASS
Band38	15	37825	36	#0	16QAM	20.45	PASS
Band38	15	37825	36	#Mid	16QAM	20.43	PASS
Band38	15	37825	36	#Max	16QAM	20.51	PASS
Band38	15	37825	75	#0	16QAM	20.44	PASS
Band38	15	38000	1	#0	QPSK	22.56	PASS
Band38	15	38000	1	#Mid	QPSK	22.60	PASS
Band38	15	38000	1	#Max	QPSK	22.65	PASS
Band38	15	38000	36	#0	QPSK	21.39	PASS
Band38	15	38000	36	#Mid	QPSK	21.55	PASS
Band38	15	38000	36	#Max	QPSK	21.47	PASS
Band38	15	38000	75	#0	QPSK	21.42	PASS
Band38	15	38000	1	#0	16QAM	21.25	PASS
Band38	15	38000	1	#Mid	16QAM	21.30	PASS
Band38	15	38000	1	#Max	16QAM	21.36	PASS
Band38	15	38000	36	#0	16QAM	20.57	PASS
Band38	15	38000	36	#Mid	16QAM	20.55	PASS
Band38	15	38000	36	#Max	16QAM	20.64	PASS
Band38	15	38000	75	#0	16QAM	20.68	PASS
Band38	15	38175	1	#0	QPSK	22.61	PASS
Band38	15	38175	1	#Mid	QPSK	22.53	PASS
Band38	15	38175	1	#Max	QPSK	22.52	PASS
Band38	15	38175	36	#0	QPSK	21.56	PASS
Band38	15	38175	36	#Mid	QPSK	21.58	PASS
Band38	15	38175	36	#Max	QPSK	21.54	PASS
Band38	15	38175	75	#0	QPSK	21.61	PASS
Band38	15	38175	1	#0	16QAM	21.68	PASS
Band38	15	38175	1	#Mid	16QAM	21.66	PASS
Band38	15	38175	1	#Max	16QAM	21.74	PASS
Band38	15	38175	36	#0	16QAM	20.73	PASS
Band38	15	38175	36	#Mid	16QAM	20.65	PASS
Band38	15	38175	36	#Max	16QAM	20.60	PASS
Band38	15	38175	75	#0	16QAM	20.73	PASS
Band38	20	37850	1	#0	QPSK	22.36	PASS

Band38	20	37850	1	#Mid	QPSK	22.34	PASS
Band38	20	37850	1	#Max	QPSK	22.30	PASS
Band38	20	37850	50	#0	QPSK	21.34	PASS
Band38	20	37850	50	#Mid	QPSK	21.49	PASS
Band38	20	37850	50	#Max	QPSK	21.42	PASS
Band38	20	37850	100	#0	QPSK	21.35	PASS
Band38	20	37850	1	#0	16QAM	21.56	PASS
Band38	20	37850	1	#Mid	16QAM	21.54	PASS
Band38	20	37850	1	#Max	16QAM	21.54	PASS
Band38	20	37850	50	#0	16QAM	20.62	PASS
Band38	20	37850	50	#Mid	16QAM	20.74	PASS
Band38	20	37850	50	#Max	16QAM	20.71	PASS
Band38	20	37850	100	#0	16QAM	20.52	PASS
Band38	20	38000	1	#0	QPSK	22.49	PASS
Band38	20	38000	1	#Mid	QPSK	22.61	PASS
Band38	20	38000	1	#Max	QPSK	22.61	PASS
Band38	20	38000	50	#0	QPSK	21.57	PASS
Band38	20	38000	50	#Mid	QPSK	21.56	PASS
Band38	20	38000	50	#Max	QPSK	21.51	PASS
Band38	20	38000	100	#0	QPSK	21.44	PASS
Band38	20	38000	1	#0	16QAM	20.67	PASS
Band38	20	38000	1	#Mid	16QAM	20.71	PASS
Band38	20	38000	1	#Max	16QAM	20.70	PASS
Band38	20	38000	50	#0	16QAM	20.55	PASS
Band38	20	38000	50	#Mid	16QAM	20.62	PASS
Band38	20	38000	50	#Max	16QAM	20.62	PASS
Band38	20	38000	100	#0	16QAM	20.43	PASS
Band38	20	38150	1	#0	QPSK	22.66	PASS
Band38	20	38150	1	#Mid	QPSK	22.72	PASS
Band38	20	38150	1	#Max	QPSK	22.72	PASS
Band38	20	38150	50	#0	QPSK	21.51	PASS
Band38	20	38150	50	#Mid	QPSK	21.63	PASS
Band38	20	38150	50	#Max	QPSK	21.65	PASS
Band38	20	38150	100	#0	QPSK	21.53	PASS
Band38	20	38150	1	#0	16QAM	21.71	PASS
Band38	20	38150	1	#Mid	16QAM	21.75	PASS
Band38	20	38150	1	#Max	16QAM	21.78	PASS
Band38	20	38150	50	#0	16QAM	20.70	PASS
Band38	20	38150	50	#Mid	16QAM	20.76	PASS
Band38	20	38150	50	#Max	16QAM	20.70	PASS
Band38	20	38150	100	#0	16QAM	20.67	PASS

Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band 38	5	37775	25	#0	QPSK	LV	NT	11.64	0.005	-2.5	2.5	PASS
Band 38	5	37775	25	#0	QPSK	NV	NT	4.38	0.002	-2.5	2.5	PASS
Band 38	5	37775	25	#0	QPSK	HV	NT	2.53	0.001	-2.5	2.5	PASS
Band 38	5	37775	25	#0	16QAM	LV	NT	3.81	0.001	-2.5	2.5	PASS
Band 38	5	37775	25	#0	16QAM	NV	NT	2.06	0.001	-2.5	2.5	PASS
Band 38	5	37775	25	#0	16QAM	HV	NT	2.59	0.001	-2.5	2.5	PASS
Band 38	5	38000	25	#0	QPSK	LV	NT	2.33	0.001	-2.5	2.5	PASS
Band 38	5	38000	25	#0	QPSK	NV	NT	-0.83	0.000	-2.5	2.5	PASS
Band 38	5	38000	25	#0	QPSK	HV	NT	-5.85	-0.002	-2.5	2.5	PASS
Band 38	5	38000	25	#0	16QAM	LV	NT	-5.01	-0.002	-2.5	2.5	PASS
Band 38	5	38000	25	#0	16QAM	NV	NT	-5.97	-0.002	-2.5	2.5	PASS
Band 38	5	38000	25	#0	16QAM	HV	NT	-6.67	-0.003	-2.5	2.5	PASS
Band 38	5	38225	25	#0	QPSK	LV	NT	-6.28	-0.002	-2.5	2.5	PASS
Band 38	5	38225	25	#0	QPSK	NV	NT	-8.97	-0.003	-2.5	2.5	PASS
Band 38	5	38225	25	#0	QPSK	HV	NT	-8.70	-0.003	-2.5	2.5	PASS
Band 38	5	38225	25	#0	16QAM	LV	NT	-10.59	-0.004	-2.5	2.5	PASS
Band 38	5	38225	25	#0	16QAM	NV	NT	-11.92	-0.005	-2.5	2.5	PASS
Band 38	5	38225	25	#0	16QAM	HV	NT	-13.29	-0.005	-2.5	2.5	PASS



Band 38	10	37800	50	#0	QPSK	LV	NT	16.18	0.006	-2.5	2.5	PASS
Band 38	10	37800	50	#0	QPSK	NV	NT	8.17	0.003	-2.5	2.5	PASS
Band 38	10	37800	50	#0	QPSK	HV	NT	5.81	0.002	-2.5	2.5	PASS
Band 38	10	37800	50	#0	16QAM	LV	NT	2.76	0.001	-2.5	2.5	PASS
Band 38	10	37800	50	#0	16QAM	NV	NT	1.99	0.001	-2.5	2.5	PASS
Band 38	10	37800	50	#0	16QAM	HV	NT	0.72	0.000	-2.5	2.5	PASS
Band 38	10	38000	50	#0	QPSK	LV	NT	2.47	0.001	-2.5	2.5	PASS
Band 38	10	38000	50	#0	QPSK	NV	NT	-1.40	-0.001	-2.5	2.5	PASS
Band 38	10	38000	50	#0	QPSK	HV	NT	-5.28	-0.002	-2.5	2.5	PASS
Band 38	10	38000	50	#0	16QAM	LV	NT	-9.10	-0.004	-2.5	2.5	PASS
Band 38	10	38000	50	#0	16QAM	NV	NT	-9.08	-0.003	-2.5	2.5	PASS
Band 38	10	38000	50	#0	16QAM	HV	NT	-10.60	-0.004	-2.5	2.5	PASS
Band 38	10	38200	50	#0	QPSK	LV	NT	-6.98	-0.003	-2.5	2.5	PASS
Band 38	10	38200	50	#0	QPSK	NV	NT	-11.92	-0.005	-2.5	2.5	PASS
Band 38	10	38200	50	#0	QPSK	HV	NT	-16.15	-0.006	-2.5	2.5	PASS
Band 38	10	38200	50	#0	16QAM	LV	NT	-17.09	-0.007	-2.5	2.5	PASS
Band 38	10	38200	50	#0	16QAM	NV	NT	-18.71	-0.007	-2.5	2.5	PASS
Band 38	10	38200	50	#0	16QAM	HV	NT	-19.13	-0.007	-2.5	2.5	PASS
Band 38	15	37825	75	#0	QPSK	LV	NT	1.23	0.000	-2.5	2.5	PASS
Band 38	15	37825	75	#0	QPSK	NV	NT	-9.00	-0.003	-2.5	2.5	PASS
Band 38	15	37825	75	#0	QPSK	HV	NT	-12.89	-0.005	-2.5	2.5	PASS
Band 38	15	37825	75	#0	16QAM	LV	NT	-15.86	-0.006	-2.5	2.5	PASS



Band 38	15	37825	75	#0	16QAM	NV	NT	-19.73	-0.008	-2.5	2.5	PASS
Band 38	15	37825	75	#0	16QAM	HV	NT	-19.80	-0.008	-2.5	2.5	PASS
Band 38	15	38000	75	#0	QPSK	LV	NT	-9.47	-0.004	-2.5	2.5	PASS
Band 38	15	38000	75	#0	QPSK	NV	NT	-14.53	-0.006	-2.5	2.5	PASS
Band 38	15	38000	75	#0	QPSK	HV	NT	-16.28	-0.006	-2.5	2.5	PASS
Band 38	15	38000	75	#0	16QAM	LV	NT	-19.45	-0.007	-2.5	2.5	PASS
Band 38	15	38000	75	#0	16QAM	NV	NT	-17.77	-0.007	-2.5	2.5	PASS
Band 38	15	38000	75	#0	16QAM	HV	NT	-19.27	-0.007	-2.5	2.5	PASS
Band 38	15	38175	75	#0	QPSK	LV	NT	-17.82	-0.007	-2.5	2.5	PASS
Band 38	15	38175	75	#0	QPSK	NV	NT	-22.85	-0.009	-2.5	2.5	PASS
Band 38	15	38175	75	#0	QPSK	HV	NT	-26.09	-0.010	-2.5	2.5	PASS
Band 38	15	38175	75	#0	16QAM	LV	NT	-28.35	-0.011	-2.5	2.5	PASS
Band 38	15	38175	75	#0	16QAM	NV	NT	-27.97	-0.011	-2.5	2.5	PASS
Band 38	15	38175	75	#0	16QAM	HV	NT	-27.75	-0.011	-2.5	2.5	PASS
Band 38	20	37850	100	#0	QPSK	LV	NT	20.18	0.008	-2.5	2.5	PASS
Band 38	20	37850	100	#0	QPSK	NV	NT	10.44	0.004	-2.5	2.5	PASS
Band 38	20	37850	100	#0	QPSK	HV	NT	7.20	0.003	-2.5	2.5	PASS
Band 38	20	37850	100	#0	16QAM	LV	NT	4.31	0.002	-2.5	2.5	PASS
Band 38	20	37850	100	#0	16QAM	NV	NT	1.06	0.000	-2.5	2.5	PASS
Band 38	20	37850	100	#0	16QAM	HV	NT	0.72	0.000	-2.5	2.5	PASS
Band 38	20	38000	100	#0	QPSK	LV	NT	6.27	0.002	-2.5	2.5	PASS
Band 38	20	38000	100	#0	QPSK	NV	NT	0.79	0.000	-2.5	2.5	PASS

Band 38	20	38000	100	#0	QPSK	HV	NT	-3.15	-0.001	-2.5	2.5	PASS
Band 38	20	38000	100	#0	16QAM	LV	NT	-3.86	-0.001	-2.5	2.5	PASS
Band 38	20	38000	100	#0	16QAM	NV	NT	-2.33	-0.001	-2.5	2.5	PASS
Band 38	20	38000	100	#0	16QAM	HV	NT	-3.71	-0.001	-2.5	2.5	PASS
Band 38	20	38150	100	#0	QPSK	LV	NT	2.00	0.001	-2.5	2.5	PASS
Band 38	20	38150	100	#0	QPSK	NV	NT	-5.69	-0.002	-2.5	2.5	PASS
Band 38	20	38150	100	#0	QPSK	HV	NT	-9.17	-0.004	-2.5	2.5	PASS
Band 38	20	38150	100	#0	16QAM	LV	NT	-10.90	-0.004	-2.5	2.5	PASS
Band 38	20	38150	100	#0	16QAM	NV	NT	-14.15	-0.005	-2.5	2.5	PASS
Band 38	20	38150	100	#0	16QAM	HV	NT	-13.89	-0.005	-2.5	2.5	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band 38	5	37775	25	#0	QPSK	NV	-30	12.40	0.005	-2.5	2.5	PASS
Band 38	5	37775	25	#0	QPSK	NV	-20	9.21	0.004	-2.5	2.5	PASS
Band 38	5	37775	25	#0	QPSK	NV	0	9.01	0.004	-2.5	2.5	PASS
Band 38	5	37775	25	#0	QPSK	NV	10	7.40	0.003	-2.5	2.5	PASS
Band 38	5	37775	25	#0	QPSK	NV	20	8.44	0.003	-2.5	2.5	PASS
Band 38	5	37775	25	#0	QPSK	NV	30	7.42	0.003	-2.5	2.5	PASS
Band 38	5	37775	25	#0	QPSK	NV	40	8.25	0.003	-2.5	2.5	PASS
Band 38	5	37775	25	#0	QPSK	NV	50	10.01	0.004	-2.5	2.5	PASS
Band	5	37775	25	#0	16QAM	NV	-30	9.41	0.00	-2.5	2.5	PASS



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Band 38	5	37775	25	#0	16QAM	NV	-20	12.9 2	0.00 5	-2.5	2.5	PAS S
Band 38	5	37775	25	#0	16QAM	NV	0	13.2 5	0.00 5	-2.5	2.5	PAS S
Band 38	5	37775	25	#0	16QAM	NV	10	14.6 1	0.00 6	-2.5	2.5	PAS S
Band 38	5	37775	25	#0	16QAM	NV	20	14.1 6	0.00 6	-2.5	2.5	PAS S
Band 38	5	37775	25	#0	16QAM	NV	30	16.4 8	0.00 6	-2.5	2.5	PAS S
Band 38	5	37775	25	#0	16QAM	NV	40	15.6 5	0.00 6	-2.5	2.5	PAS S
Band 38	5	37775	25	#0	16QAM	NV	50	16.1 9	0.00 6	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	QPSK	NV	-30	3.93	0.00 2	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	QPSK	NV	-20	5.45	0.00 2	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	QPSK	NV	0	1.63	0.00 1	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	QPSK	NV	10	3.92	0.00 2	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	QPSK	NV	20	4.02	0.00 2	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	QPSK	NV	30	5.66	0.00 2	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	QPSK	NV	40	4.49	0.00 2	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	QPSK	NV	50	5.55	0.00 2	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	16QAM	NV	-30	4.79	0.00 2	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	16QAM	NV	-20	6.88	0.00 3	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	16QAM	NV	0	7.58	0.00 3	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	16QAM	NV	10	8.81	0.00 3	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	16QAM	NV	20	8.51	0.00 3	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	16QAM	NV	30	10.0 3	0.00 4	-2.5	2.5	PAS S
Band 38	5	38000	25	#0	16QAM	NV	40	12.2	0.00	-2.5	2.5	PAS

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38								5	5			S
Band 38	5	38000	25	#0	16QAM	NV	50	12.39	0.005	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	QPSK	NV	-30	2.06	0.001	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	QPSK	NV	-20	0.23	0.000	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	QPSK	NV	0	-0.46	0.000	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	QPSK	NV	10	-0.49	0.000	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	QPSK	NV	20	-0.60	0.000	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	QPSK	NV	30	-1.19	0.000	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	QPSK	NV	40	-0.54	0.000	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	QPSK	NV	50	-0.43	0.000	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	16QAM	NV	-30	0.04	0.000	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	16QAM	NV	-20	2.12	0.001	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	16QAM	NV	0	1.04	0.000	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	16QAM	NV	10	4.62	0.002	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	16QAM	NV	20	2.52	0.001	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	16QAM	NV	30	3.46	0.001	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	16QAM	NV	40	4.31	0.002	-2.5	2.5	PAS S
Band 38	5	38225	25	#0	16QAM	NV	50	4.68	0.002	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	QPSK	NV	-30	3.33	0.001	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	QPSK	NV	-20	-1.00	0.000	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	QPSK	NV	0	-2.68	-0.001	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	QPSK	NV	10	-2.73	-0.001	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	QPSK	NV	20	-3.3	-0.0	-2.5	2.5	PAS S

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38								6	01			S
Band 38	10	37800	50	#0	QPSK	NV	30	-3.20	-0.01	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	QPSK	NV	40	-3.20	-0.01	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	QPSK	NV	50	-3.43	-0.01	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	16QAM	NV	-30	-4.38	-0.02	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	16QAM	NV	-20	-4.51	-0.02	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	16QAM	NV	0	-4.21	-0.02	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	16QAM	NV	10	-2.06	-0.01	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	16QAM	NV	20	-1.40	-0.01	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	16QAM	NV	30	-1.95	-0.01	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	16QAM	NV	40	-0.84	0.00	-2.5	2.5	PAS S
Band 38	10	37800	50	#0	16QAM	NV	50	-0.86	0.00	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	QPSK	NV	-30	6.82	0.003	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	QPSK	NV	-20	5.84	0.002	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	QPSK	NV	0	2.83	0.001	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	QPSK	NV	10	6.05	0.002	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	QPSK	NV	20	6.97	0.003	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	QPSK	NV	30	5.89	0.002	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	QPSK	NV	40	8.08	0.003	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	QPSK	NV	50	7.75	0.003	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	16QAM	NV	-30	8.97	0.003	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	16QAM	NV	-20	9.00	0.003	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	16QAM	NV	0	10.8	0.00	-2.5	2.5	PAS



38								7	4			S
Band 38	10	38000	50	#0	16QAM	NV	10	13.30	0.005	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	16QAM	NV	20	14.28	0.006	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	16QAM	NV	30	15.79	0.006	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	16QAM	NV	40	18.24	0.007	-2.5	2.5	PAS S
Band 38	10	38000	50	#0	16QAM	NV	50	19.44	0.007	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	QPSK	NV	-30	12.92	0.005	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	QPSK	NV	-20	7.21	0.003	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	QPSK	NV	0	8.84	0.003	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	QPSK	NV	10	11.07	0.004	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	QPSK	NV	20	8.63	0.003	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	QPSK	NV	30	9.61	0.004	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	QPSK	NV	40	10.64	0.004	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	QPSK	NV	50	10.73	0.004	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	16QAM	NV	-30	11.64	0.004	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	16QAM	NV	-20	13.76	0.005	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	16QAM	NV	0	17.61	0.007	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	16QAM	NV	10	17.48	0.007	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	16QAM	NV	20	18.70	0.007	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	16QAM	NV	30	23.07	0.009	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	16QAM	NV	40	23.67	0.009	-2.5	2.5	PAS S
Band 38	10	38200	50	#0	16QAM	NV	50	24.46	0.009	-2.5	2.5	PAS S
Band	15	37825	75	#0	QPSK	NV	-30	16.8	0.00	-2.5	2.5	PAS



38								1	7			S
Band 38	15	37825	75	#0	QPSK	NV	-20	12.27	0.005	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	QPSK	NV	0	12.00	0.005	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	QPSK	NV	10	13.23	0.005	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	QPSK	NV	20	11.92	0.005	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	QPSK	NV	30	13.73	0.005	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	QPSK	NV	40	10.33	0.004	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	QPSK	NV	50	9.78	0.004	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	16QAM	NV	-30	10.06	0.004	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	16QAM	NV	-20	12.57	0.005	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	16QAM	NV	0	12.65	0.005	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	16QAM	NV	10	14.10	0.005	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	16QAM	NV	20	17.61	0.007	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	16QAM	NV	30	18.88	0.007	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	16QAM	NV	40	20.94	0.008	-2.5	2.5	PAS S
Band 38	15	37825	75	#0	16QAM	NV	50	22.19	0.009	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	QPSK	NV	-30	9.06	0.003	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	QPSK	NV	-20	6.79	0.003	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	QPSK	NV	0	8.87	0.003	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	QPSK	NV	10	12.99	0.005	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	QPSK	NV	20	11.90	0.005	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	QPSK	NV	30	12.65	0.005	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	QPSK	NV	40	13.6	0.00	-2.5	2.5	PAS



38								6	5			S
Band 38	15	38000	75	#0	QPSK	NV	50	13.10	0.005	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	16QAM	NV	-30	16.19	0.006	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	16QAM	NV	-20	19.23	0.007	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	16QAM	NV	0	21.31	0.008	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	16QAM	NV	10	22.16	0.009	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	16QAM	NV	20	25.89	0.010	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	16QAM	NV	30	28.38	0.011	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	16QAM	NV	40	30.81	0.012	-2.5	2.5	PAS S
Band 38	15	38000	75	#0	16QAM	NV	50	30.07	0.012	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	QPSK	NV	-30	2.00	0.001	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	QPSK	NV	-20	0.53	0.000	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	QPSK	NV	0	0.64	0.000	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	QPSK	NV	10	2.33	0.001	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	QPSK	NV	20	1.46	0.001	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	QPSK	NV	30	1.14	0.000	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	QPSK	NV	40	2.35	0.001	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	QPSK	NV	50	4.91	0.002	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	16QAM	NV	-30	3.18	0.001	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	16QAM	NV	-20	6.22	0.002	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	16QAM	NV	0	6.71	0.003	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	16QAM	NV	10	11.79	0.005	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	16QAM	NV	20	13.4	0.00	-2.5	2.5	PAS



38								9	5			S
Band 38	15	38175	75	#0	16QAM	NV	30	15.3 9	0.00 6	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	16QAM	NV	40	15.7 1	0.00 6	-2.5	2.5	PAS S
Band 38	15	38175	75	#0	16QAM	NV	50	17.3 5	0.00 7	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	QPSK	NV	-30	18.5 0	0.00 7	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	QPSK	NV	-20	11.7 6	0.00 5	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	QPSK	NV	0	13.1 5	0.00 5	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	QPSK	NV	10	11.6 3	0.00 5	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	QPSK	NV	20	10.3 7	0.00 4	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	QPSK	NV	30	7.58	0.00 3	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	QPSK	NV	40	7.45	0.00 3	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	QPSK	NV	50	8.78	0.00 3	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	16QAM	NV	-30	10.0 7	0.00 4	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	16QAM	NV	-20	10.2 6	0.00 4	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	16QAM	NV	0	9.63	0.00 4	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	16QAM	NV	10	11.8 0	0.00 5	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	16QAM	NV	20	15.2 5	0.00 6	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	16QAM	NV	30	16.0 9	0.00 6	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	16QAM	NV	40	17.3 1	0.00 7	-2.5	2.5	PAS S
Band 38	20	37850	10 0	#0	16QAM	NV	50	20.1 1	0.00 8	-2.5	2.5	PAS S
Band 38	20	38000	10 0	#0	QPSK	NV	-30	10.0 0	0.00 4	-2.5	2.5	PAS S
Band 38	20	38000	10 0	#0	QPSK	NV	-20	10.0 0	0.00 4	-2.5	2.5	PAS S
Band 38	20	38000	10	#0	QPSK	NV	0	12.9	0.00	-2.5	2.5	PAS

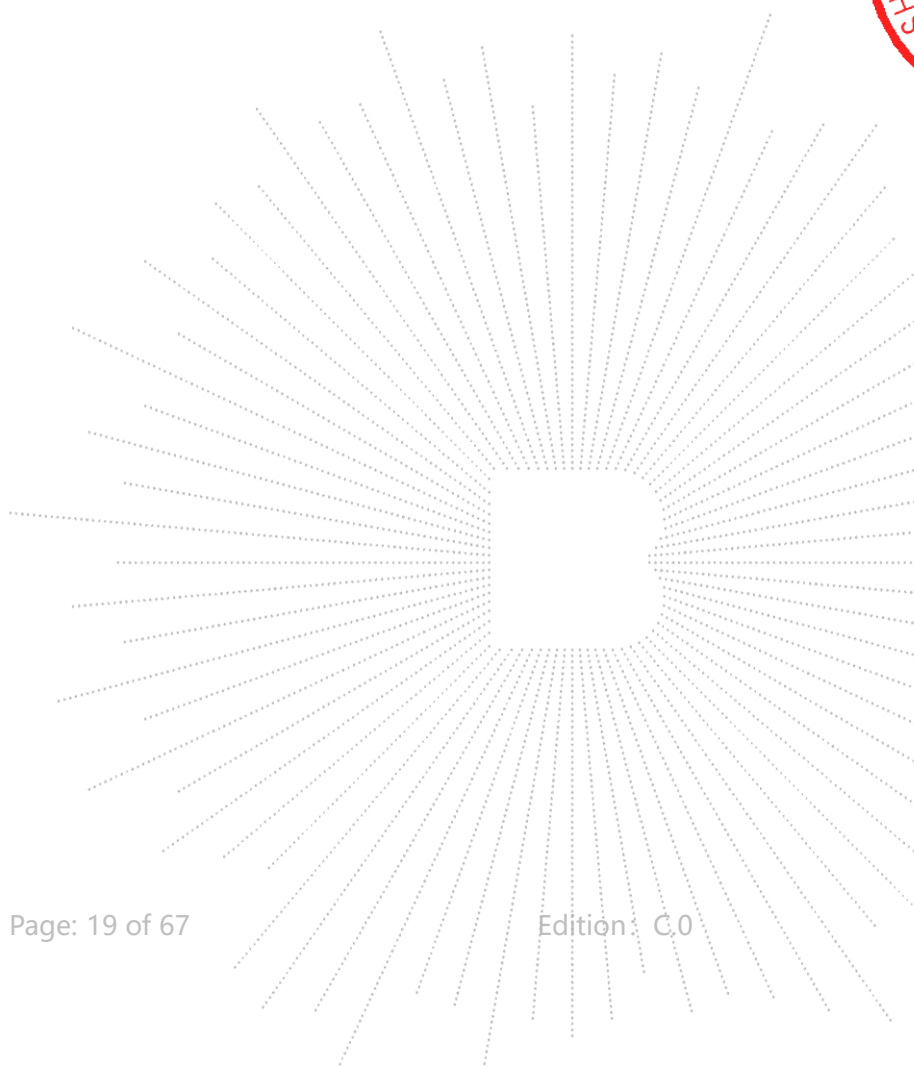
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38			0					0	5			S
Band 38	20	38000	100	#0	QPSK	NV	10	8.93	0.003	-2.5	2.5	PAS S
Band 38	20	38000	100	#0	QPSK	NV	20	9.97	0.004	-2.5	2.5	PAS S
Band 38	20	38000	100	#0	QPSK	NV	30	12.53	0.005	-2.5	2.5	PAS S
Band 38	20	38000	100	#0	QPSK	NV	40	9.21	0.004	-2.5	2.5	PAS S
Band 38	20	38000	100	#0	QPSK	NV	50	9.00	0.003	-2.5	2.5	PAS S
Band 38	20	38000	100	#0	16QAM	NV	-30	10.13	0.004	-2.5	2.5	PAS S
Band 38	20	38000	100	#0	16QAM	NV	-20	14.20	0.005	-2.5	2.5	PAS S
Band 38	20	38000	100	#0	16QAM	NV	0	15.21	0.006	-2.5	2.5	PAS S
Band 38	20	38000	100	#0	16QAM	NV	10	17.11	0.007	-2.5	2.5	PAS S
Band 38	20	38000	100	#0	16QAM	NV	20	19.77	0.008	-2.5	2.5	PAS S
Band 38	20	38000	100	#0	16QAM	NV	30	24.45	0.009	-2.5	2.5	PAS S
Band 38	20	38000	100	#0	16QAM	NV	40	24.55	0.009	-2.5	2.5	PAS S
Band 38	20	38000	100	#0	16QAM	NV	50	27.31	0.011	-2.5	2.5	PAS S
Band 38	20	38150	100	#0	QPSK	NV	-30	17.45	0.007	-2.5	2.5	PAS S
Band 38	20	38150	100	#0	QPSK	NV	-20	14.16	0.005	-2.5	2.5	PAS S
Band 38	20	38150	100	#0	QPSK	NV	0	14.08	0.005	-2.5	2.5	PAS S
Band 38	20	38150	100	#0	QPSK	NV	10	14.91	0.006	-2.5	2.5	PAS S
Band 38	20	38150	100	#0	QPSK	NV	20	17.19	0.007	-2.5	2.5	PAS S
Band 38	20	38150	100	#0	QPSK	NV	30	15.75	0.006	-2.5	2.5	PAS S
Band 38	20	38150	100	#0	QPSK	NV	40	15.39	0.006	-2.5	2.5	PAS S
Band 38	20	38150	100	#0	QPSK	NV	50	15.31	0.006	-2.5	2.5	PAS S
Band	20	38150	100	#0	16QAM	NV	-30	14.8	0.00	-2.5	2.5	PAS

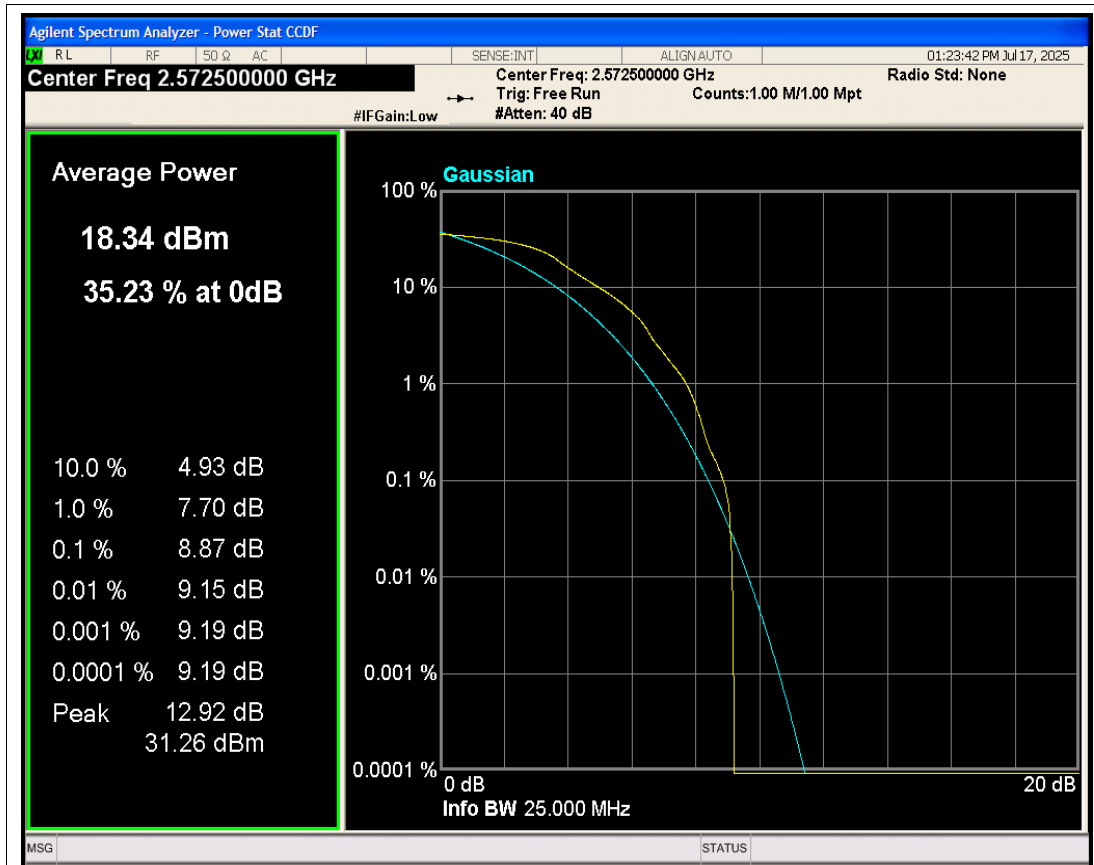
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38			0					9	6			S
Band 38	20	38150	100	#0	16QAM	NV	-20	16.84	0.006	-2.5	2.5	PASS
Band 38	20	38150	100	#0	16QAM	NV	0	20.03	0.008	-2.5	2.5	PASS
Band 38	20	38150	100	#0	16QAM	NV	10	21.21	0.008	-2.5	2.5	PASS
Band 38	20	38150	100	#0	16QAM	NV	20	22.92	0.009	-2.5	2.5	PASS
Band 38	20	38150	100	#0	16QAM	NV	30	23.78	0.009	-2.5	2.5	PASS
Band 38	20	38150	100	#0	16QAM	NV	40	25.46	0.010	-2.5	2.5	PASS
Band 38	20	38150	100	#0	16QAM	NV	50	29.88	0.011	-2.5	2.5	PASS

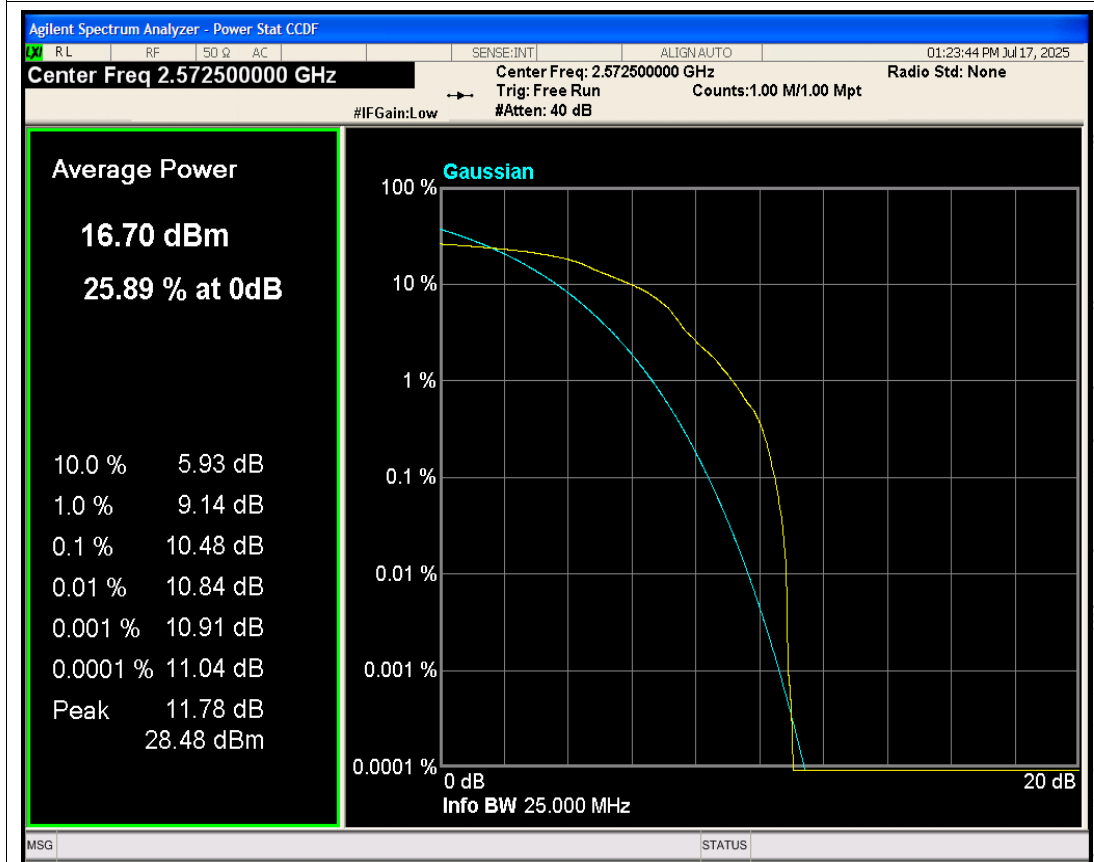


Appendix 3. Peak-to-Average Ratio

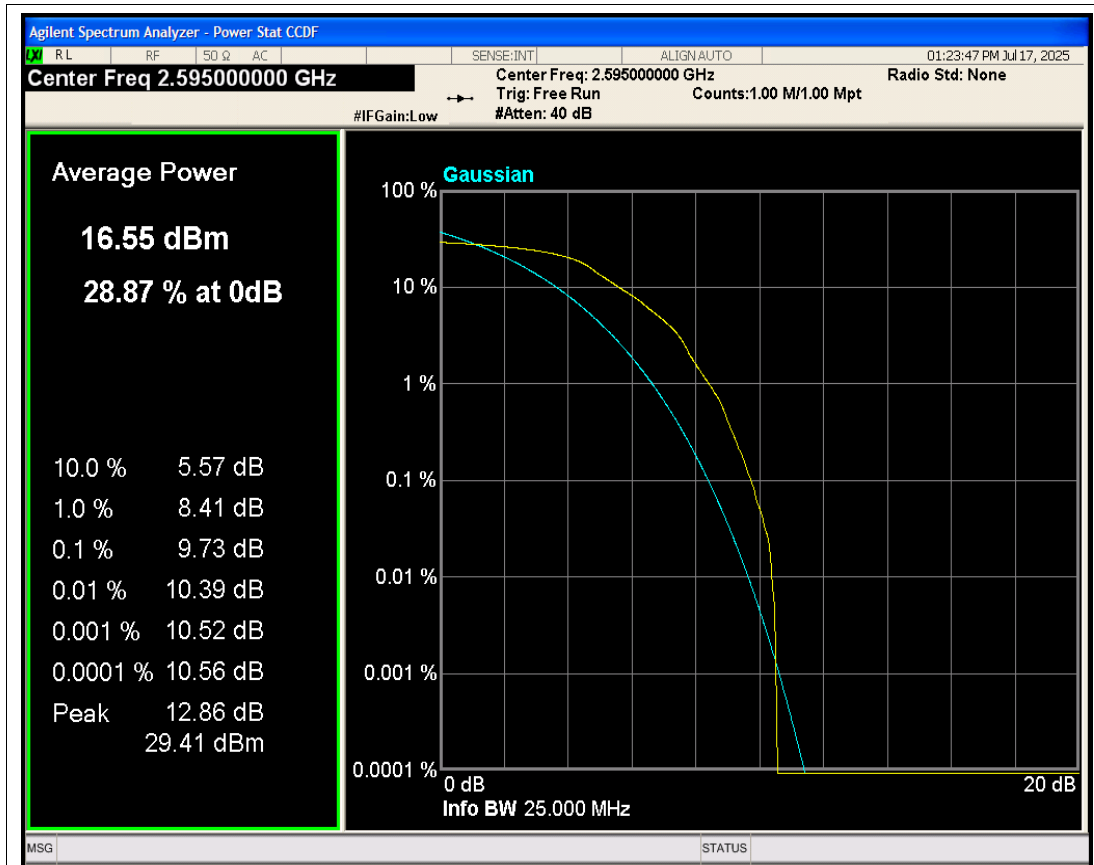
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band38	5	37775	1	#0	QPSK	8.87	13	PASS
Band38	5	37775	1	#0	16QAM	10.48	13	PASS
Band38	5	38000	1	#0	QPSK	9.73	13	PASS
Band38	5	38000	1	#0	16QAM	9.04	13	PASS
Band38	5	38225	1	#0	QPSK	8.57	13	PASS
Band38	5	38225	1	#0	16QAM	10.06	13	PASS
Band38	10	37800	1	#0	QPSK	9.24	13	PASS
Band38	10	37800	1	#0	16QAM	9.99	13	PASS
Band38	10	38000	1	#0	QPSK	10.01	13	PASS
Band38	10	38000	1	#0	16QAM	9.48	13	PASS
Band38	10	38200	1	#0	QPSK	8.85	13	PASS
Band38	10	38200	1	#0	16QAM	8.90	13	PASS
Band38	15	37825	1	#0	QPSK	10.20	13	PASS
Band38	15	37825	1	#0	16QAM	9.66	13	PASS
Band38	15	38000	1	#0	QPSK	8.99	13	PASS
Band38	15	38000	1	#0	16QAM	9.79	13	PASS
Band38	15	38175	1	#0	QPSK	8.83	13	PASS
Band38	15	38175	1	#0	16QAM	9.89	13	PASS
Band38	20	37850	1	#0	QPSK	8.50	13	PASS
Band38	20	37850	1	#0	16QAM	8.45	13	PASS
Band38	20	38000	1	#0	QPSK	10.88	13	PASS
Band38	20	38000	1	#0	16QAM	11.88	13	PASS
Band38	20	38150	1	#0	QPSK	8.21	13	PASS
Band38	20	38150	1	#0	16QAM	10.91	13	PASS



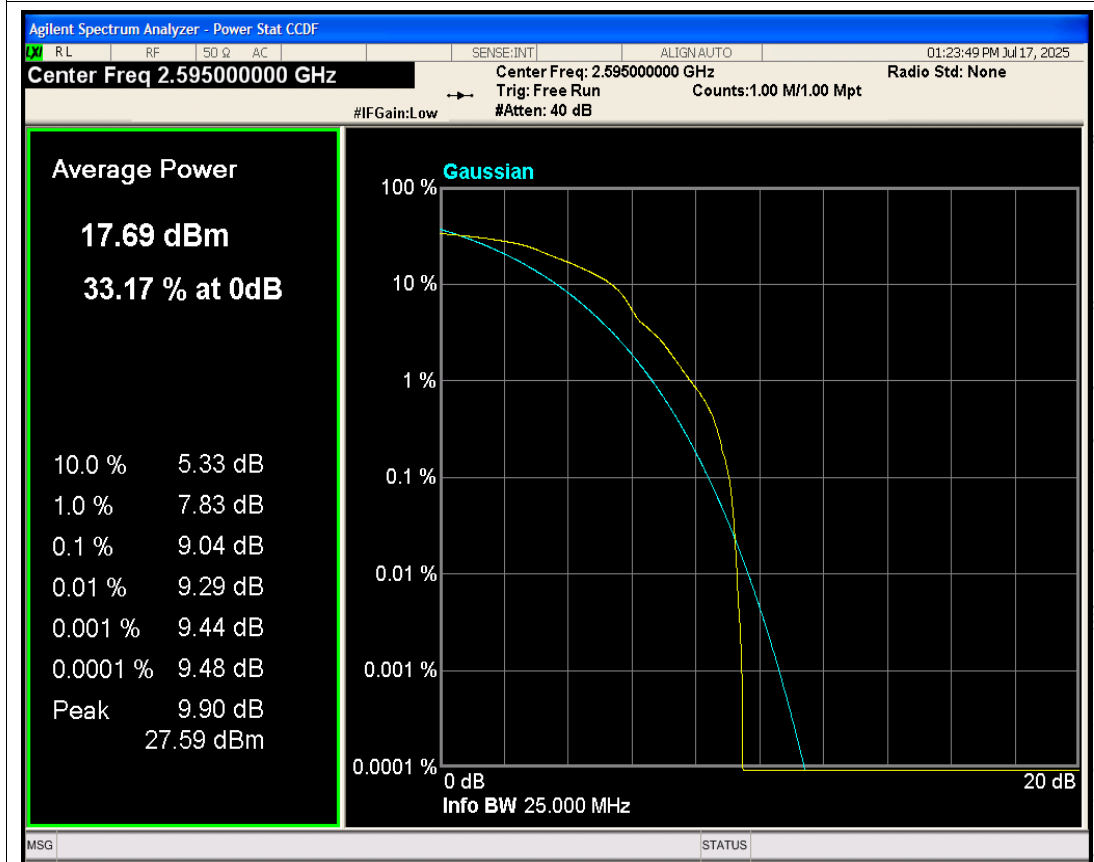
Band38 QPSK BW=5MHz Channel=37775 RB Size=1 Position=#0 NVNT



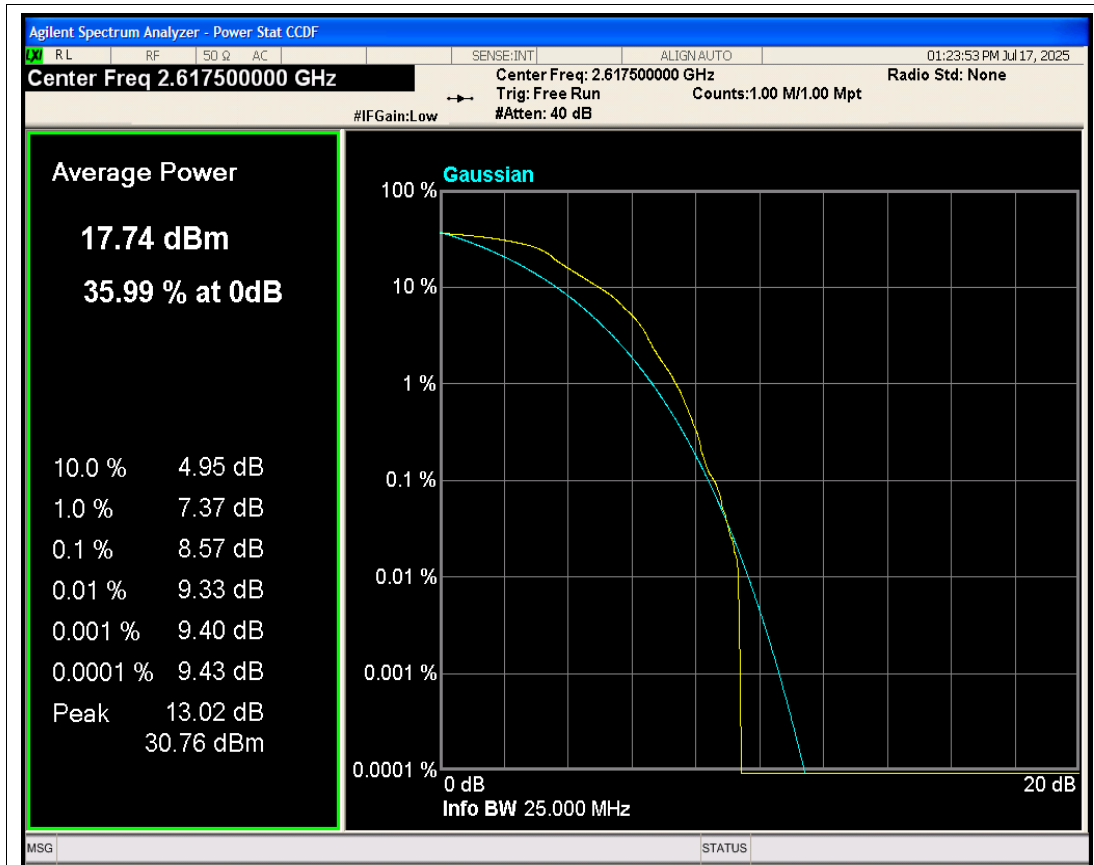
Band38 16QAM BW=5MHz Channel=37775 RB Size=1 Position=#0 NVNT



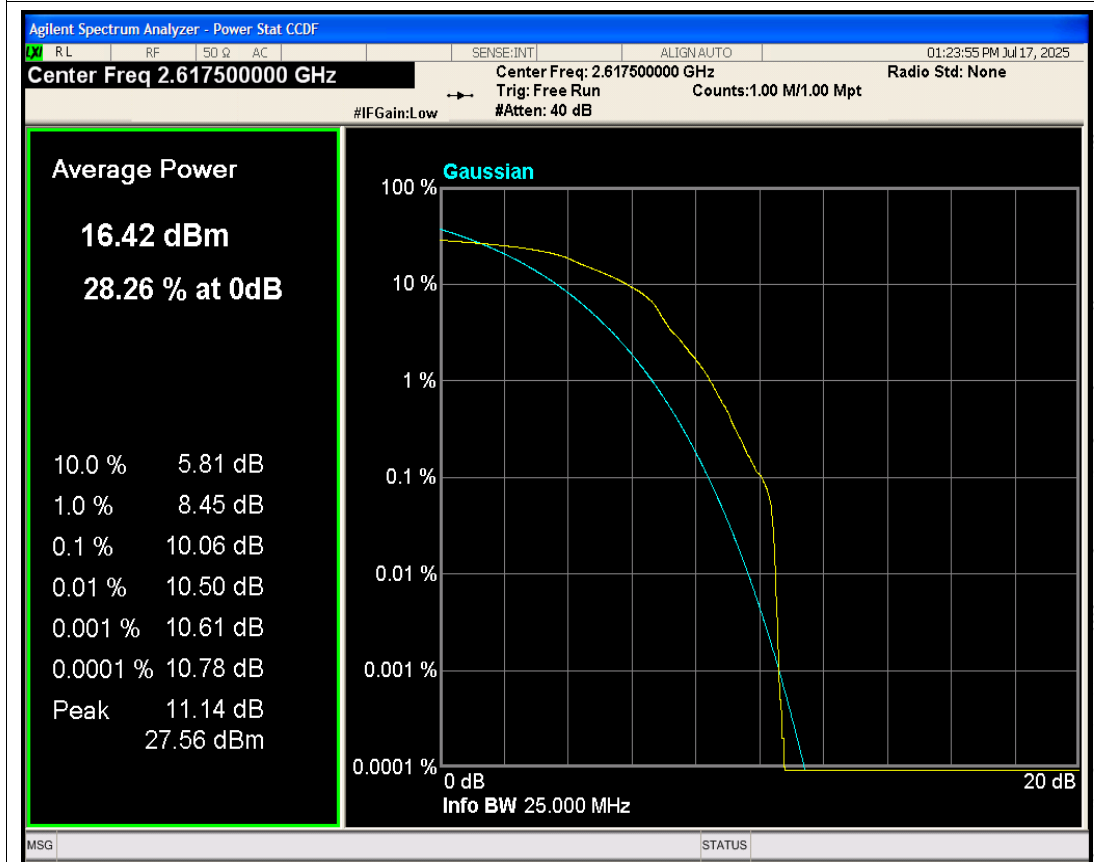
Band38 QPSK BW=5MHz Channel=38000 RB Size=1 Position=#0 NVNT



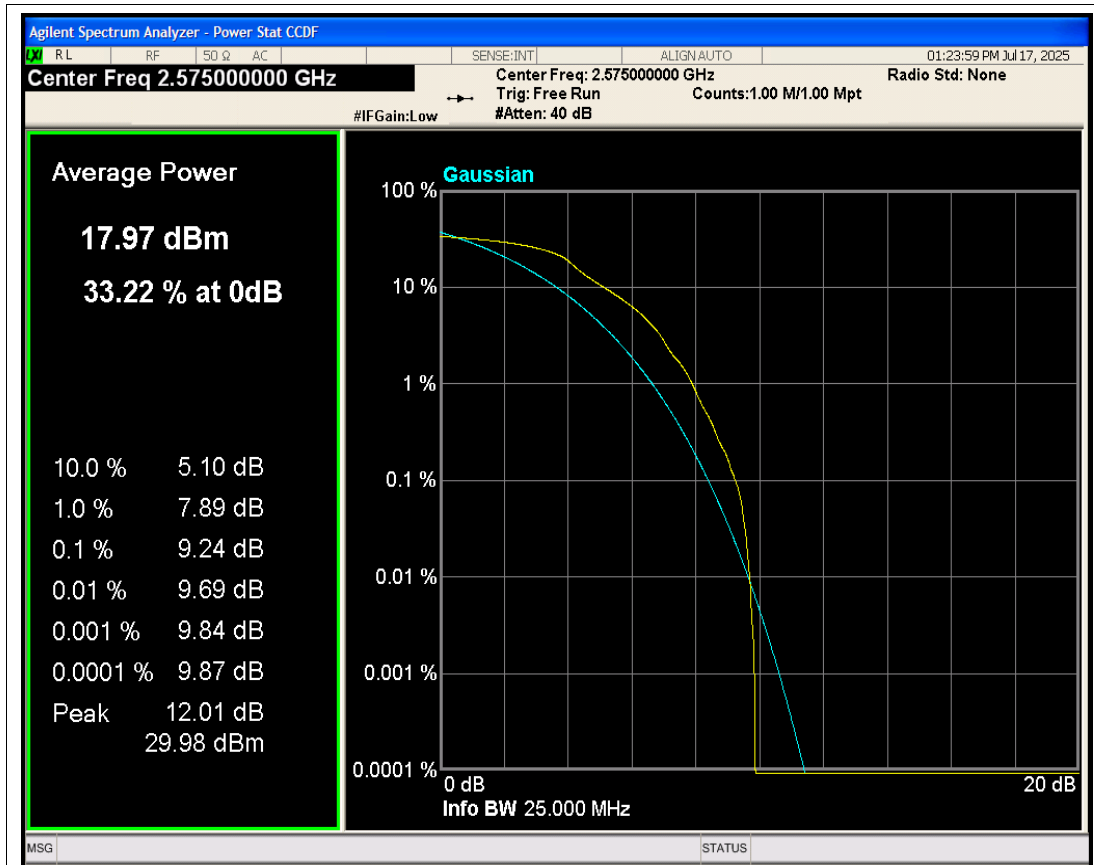
Band38 16QAM BW=5MHz Channel=38000 RB Size=1 Position=#0 NVNT



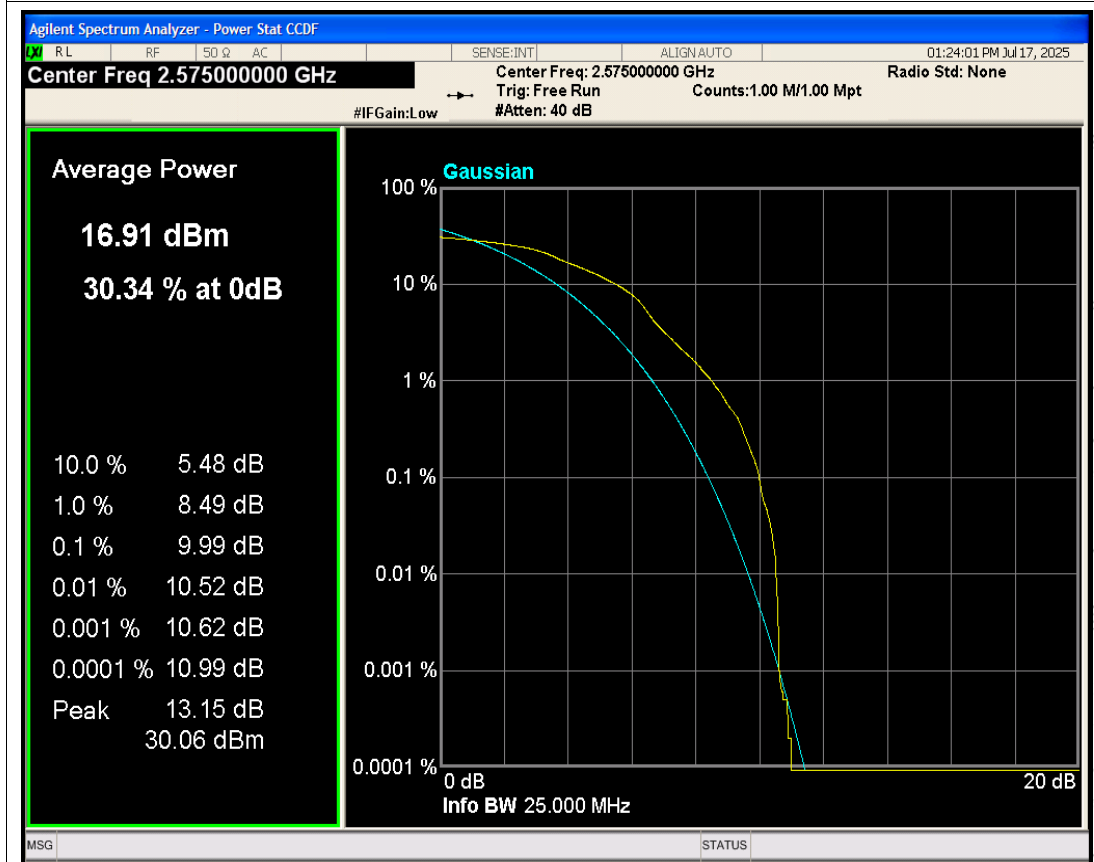
Band38 QPSK BW=5MHz Channel=38225 RB Size=1 Position=#0 NVNT



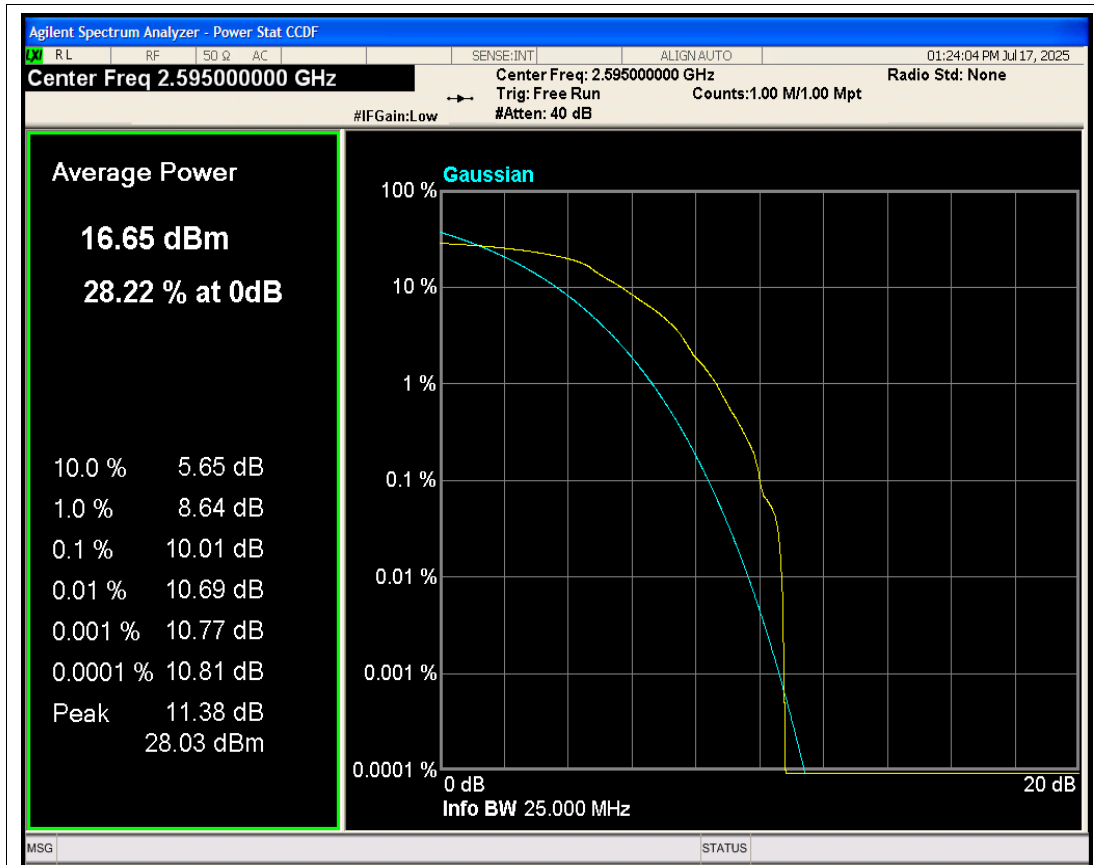
Band38 16QAM BW=5MHz Channel=38225 RB Size=1 Position=#0 NVNT



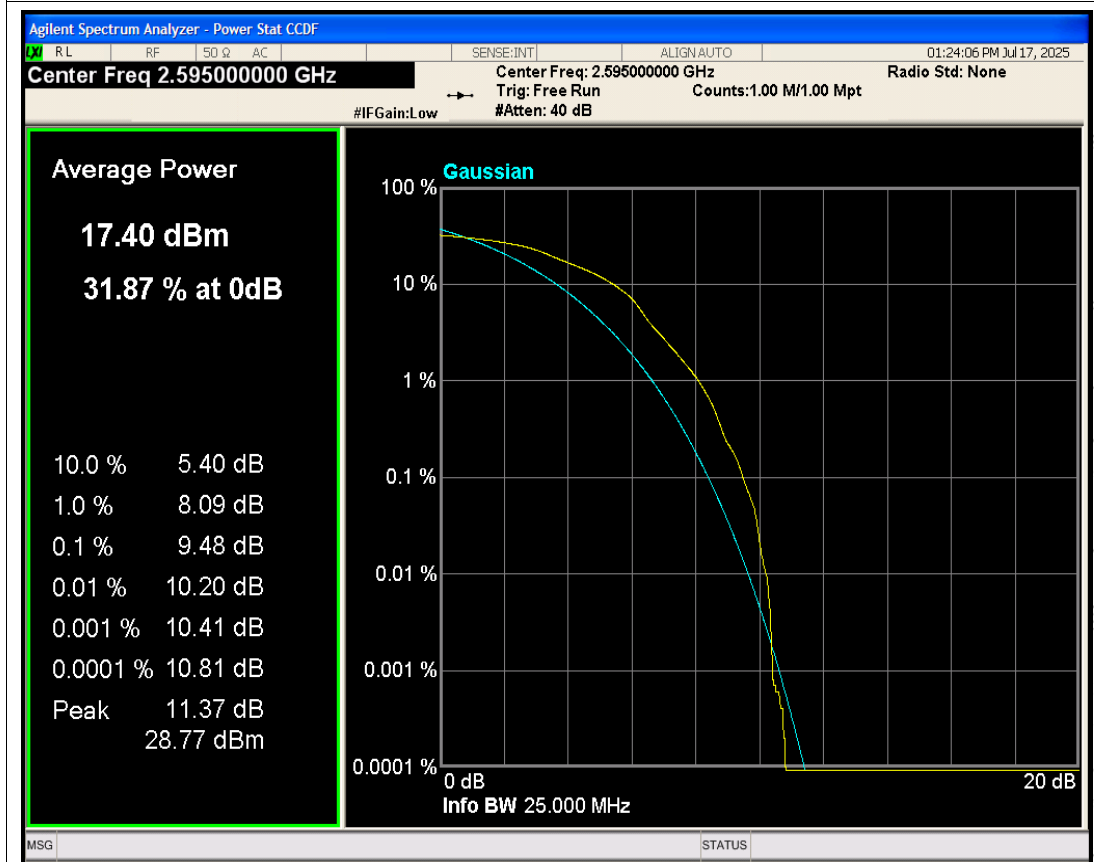
Band38 QPSK BW=10MHz Channel=37800 RB Size=1 Position=#0 NVNT



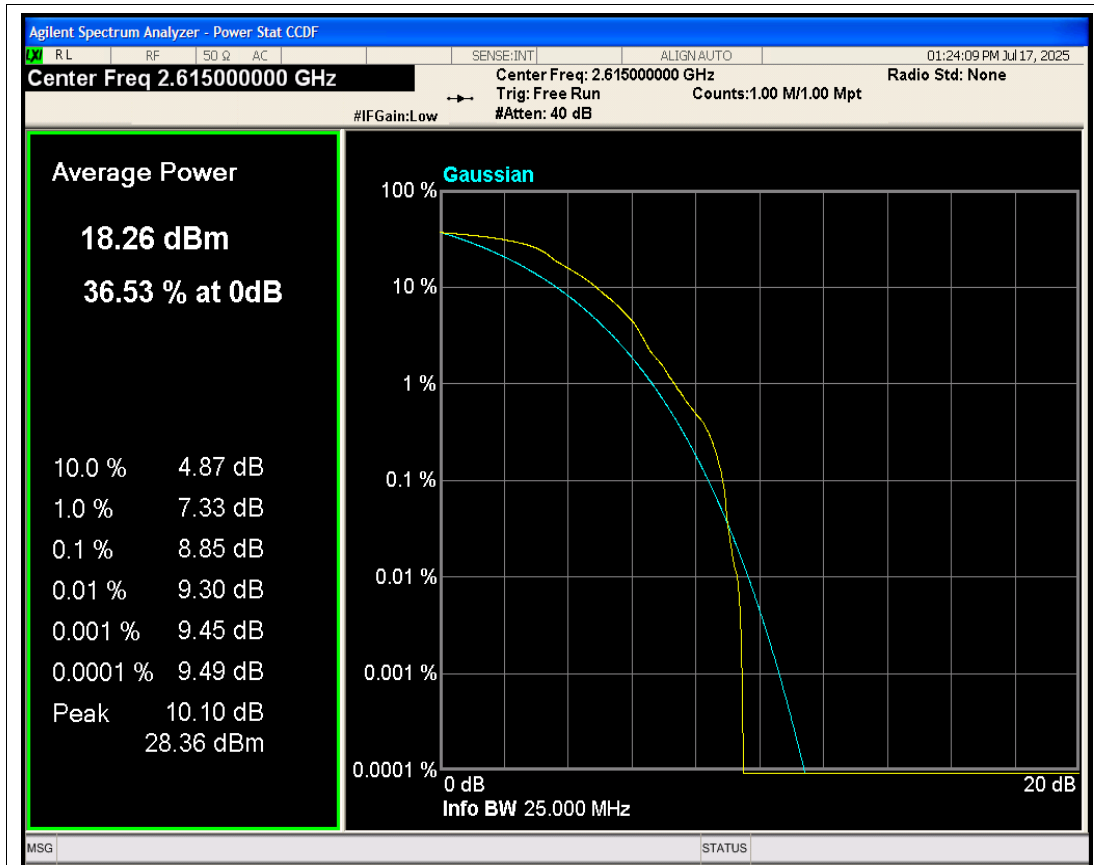
Band38 16QAM BW=10MHz Channel=37800 RB Size=1 Position=#0 NVNT



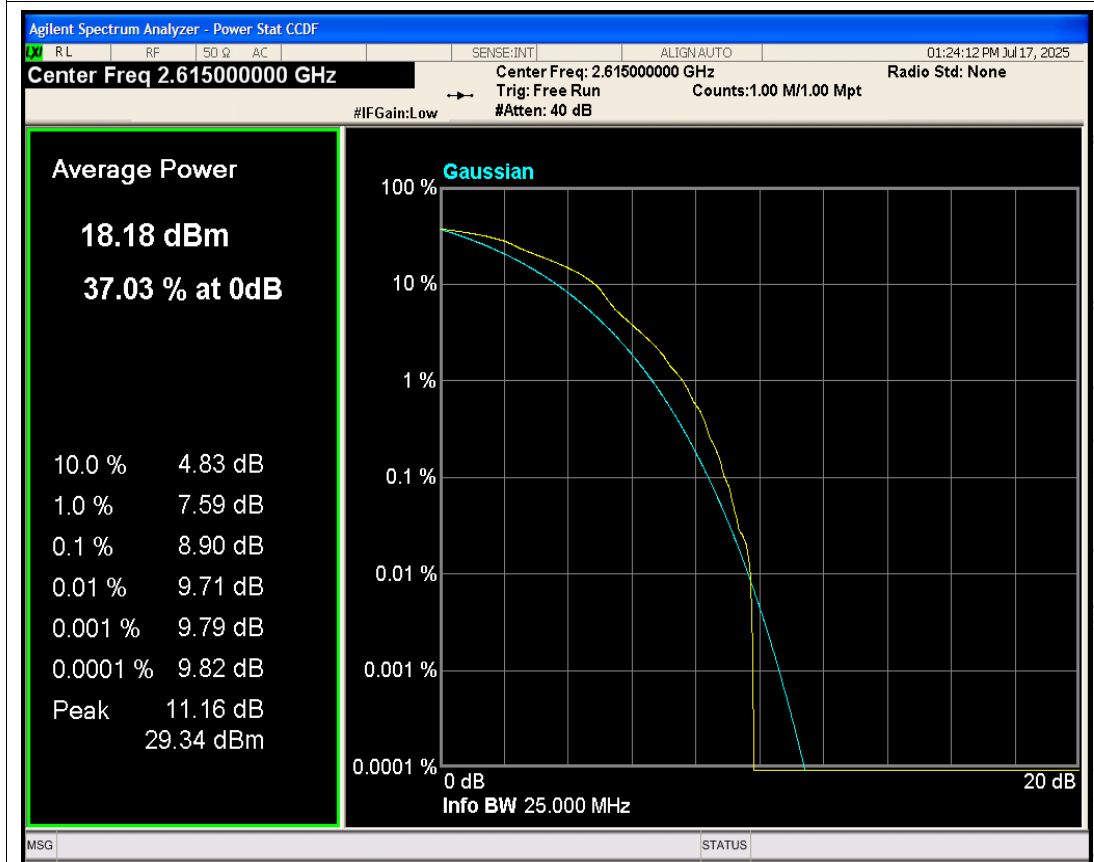
Band38 QPSK BW=10MHz Channel=38000 RB Size=1 Position=#0 NVNT



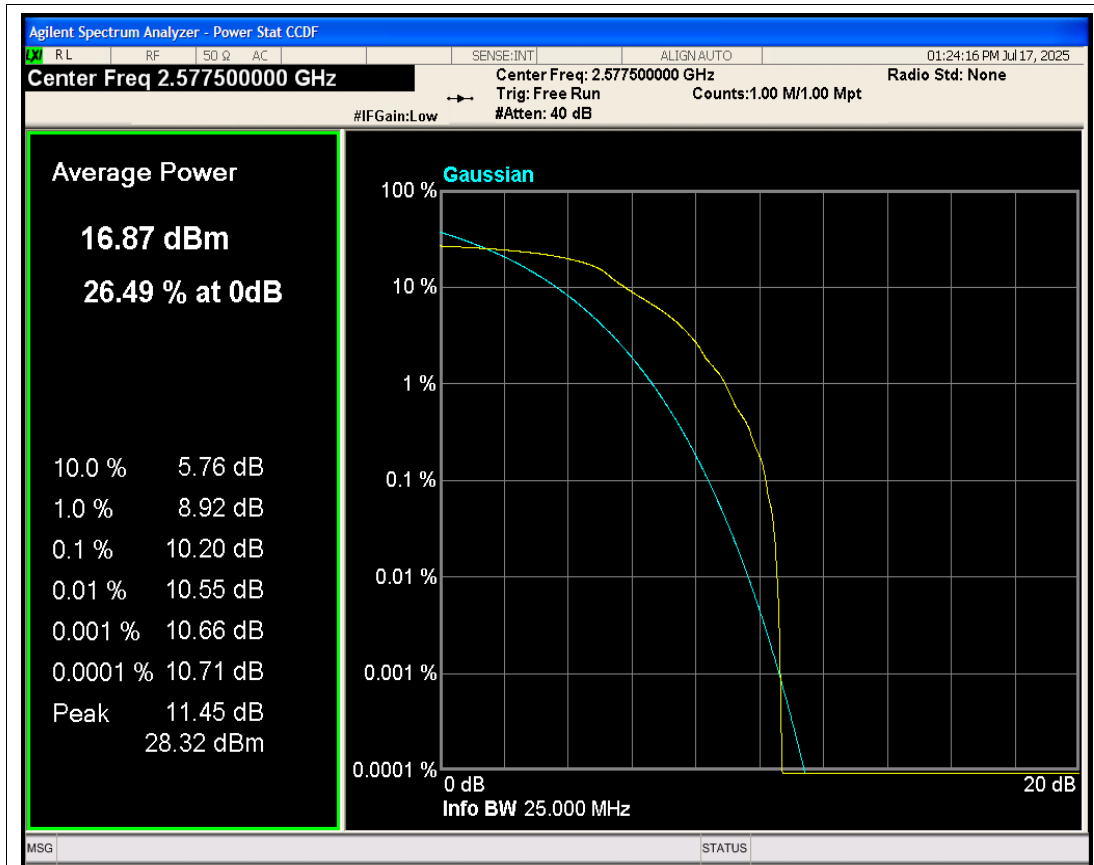
Band38 16QAM BW=10MHz Channel=38000 RB Size=1 Position=#0 NVNT



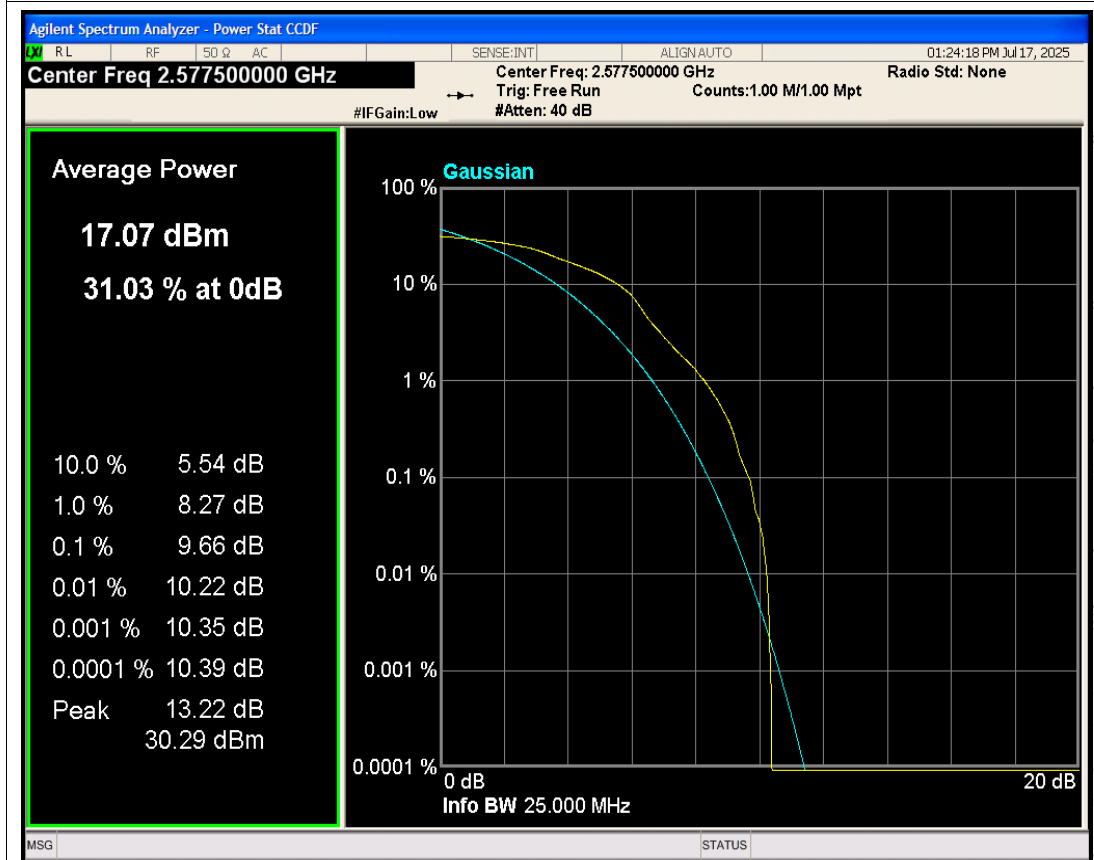
Band38 QPSK BW=10MHz Channel=38200 RB Size=1 Position=#0 NVNT



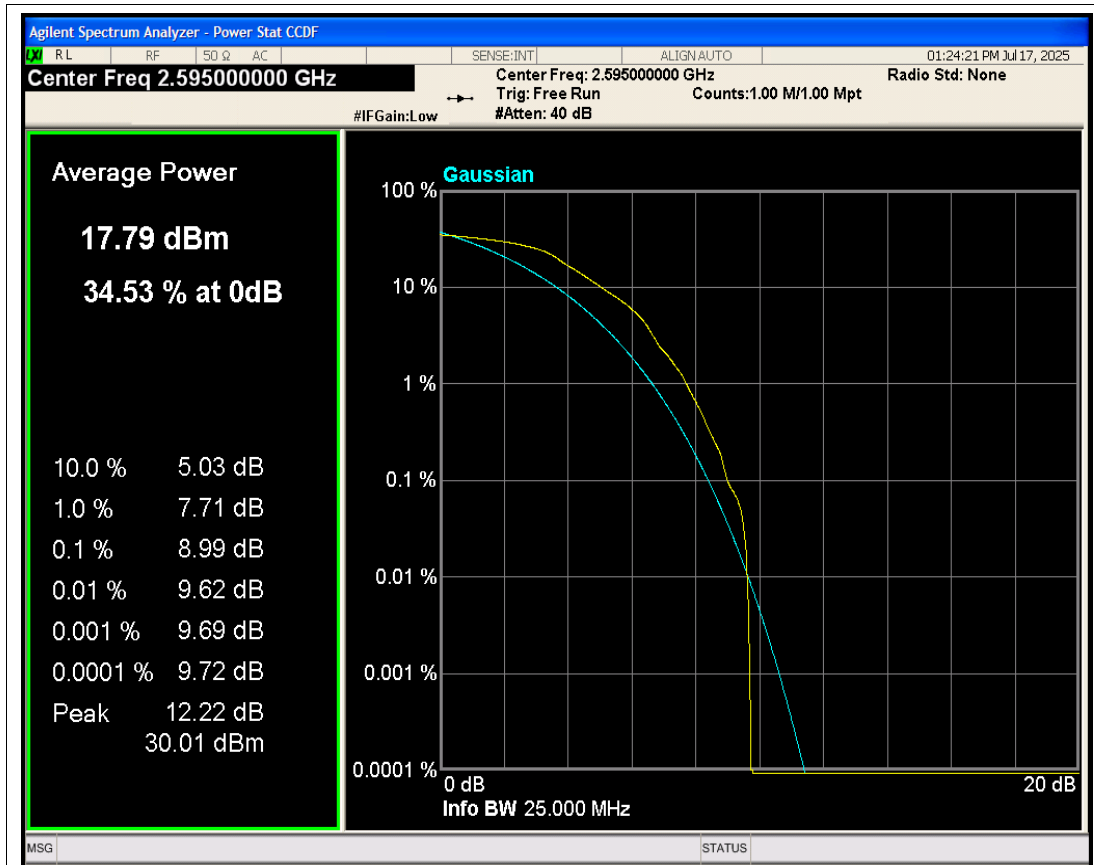
Band38 16QAM BW=10MHz Channel=38200 RB Size=1 Position=#0 NVNT



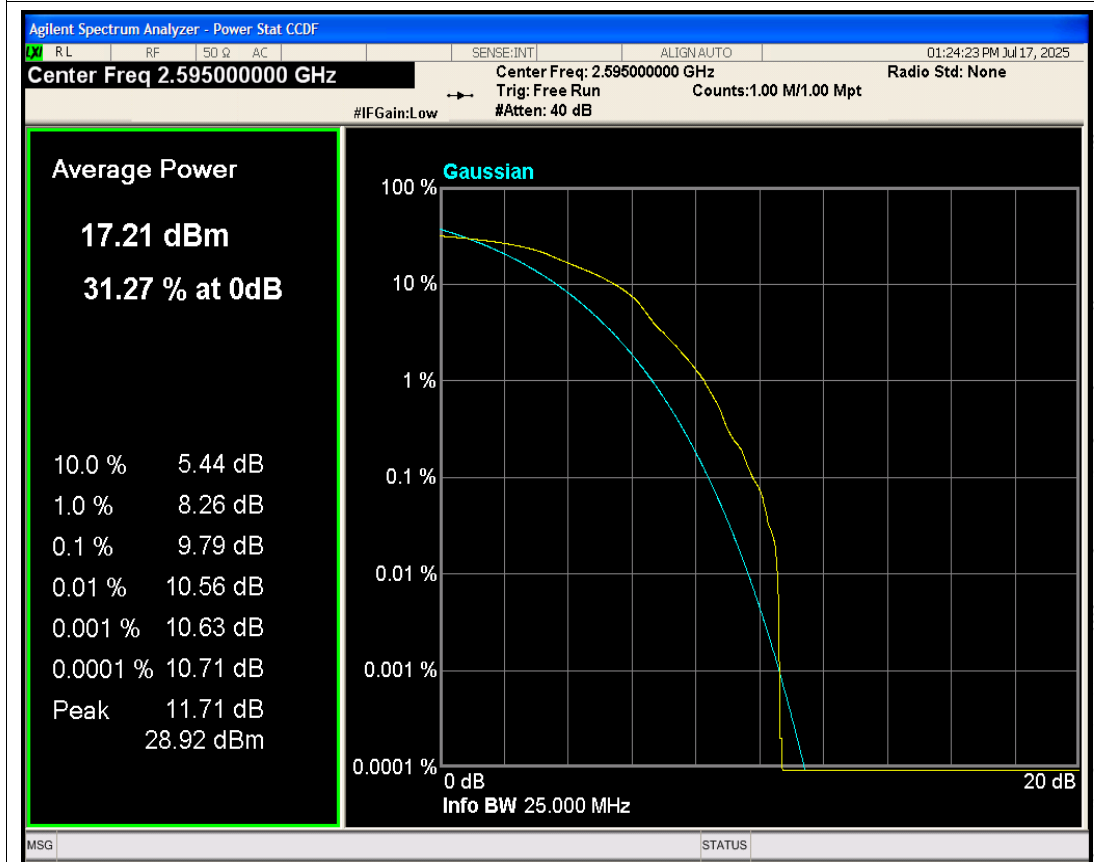
Band38 QPSK BW=15MHz Channel=37825 RB Size=1 Position=#0 NVNT



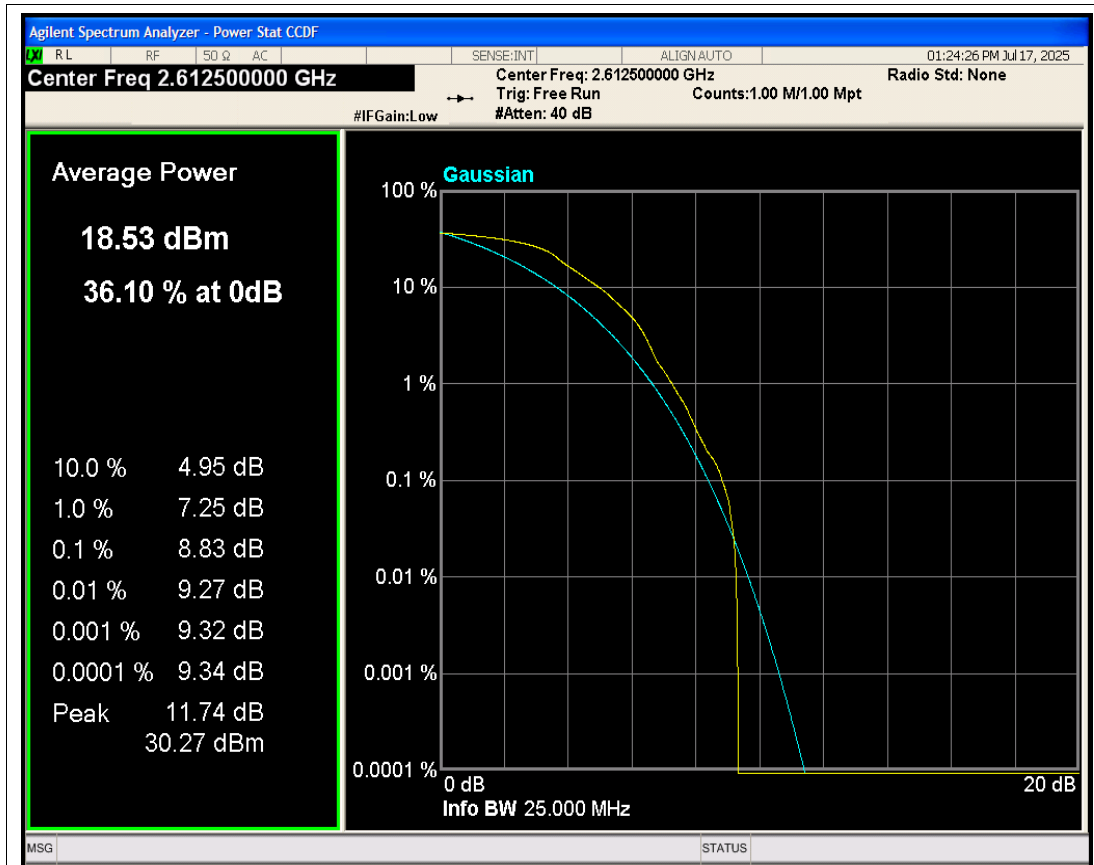
Band38 16QAM BW=15MHz Channel=37825 RB Size=1 Position=#0 NVNT



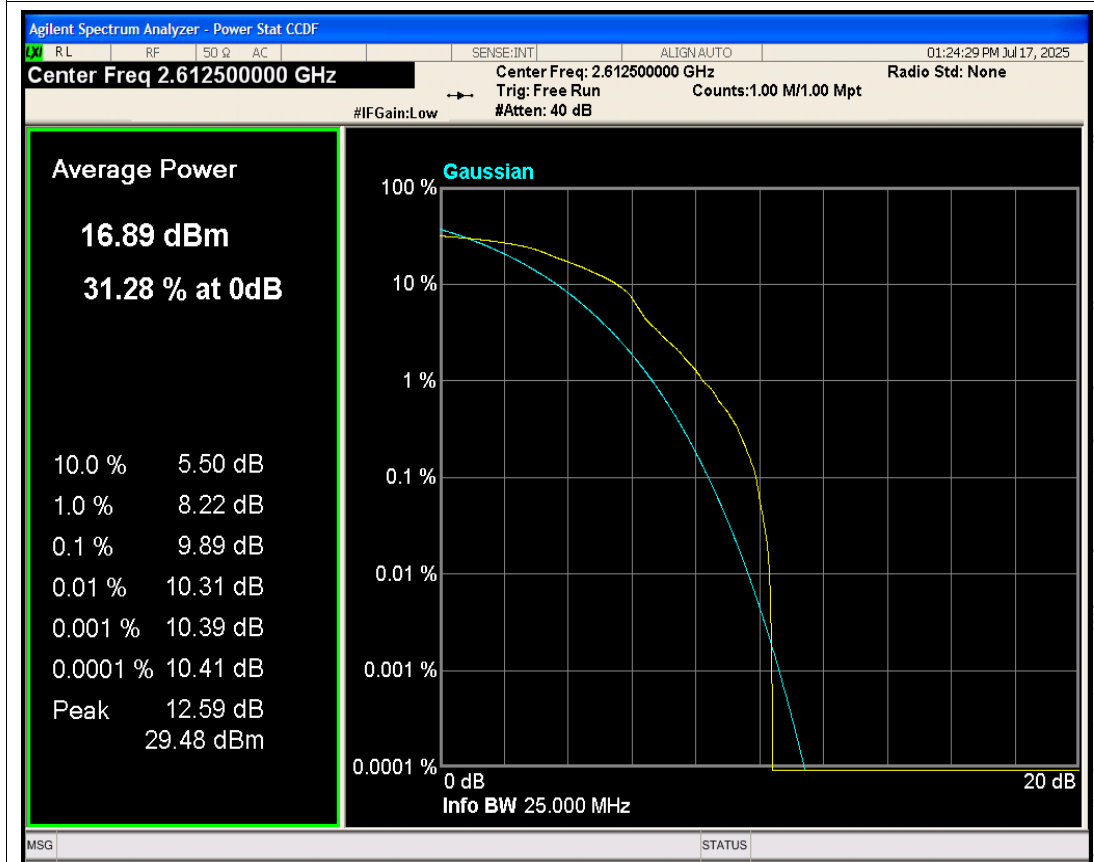
Band38 QPSK BW=15MHz Channel=38000 RB Size=1 Position=#0 NVNT



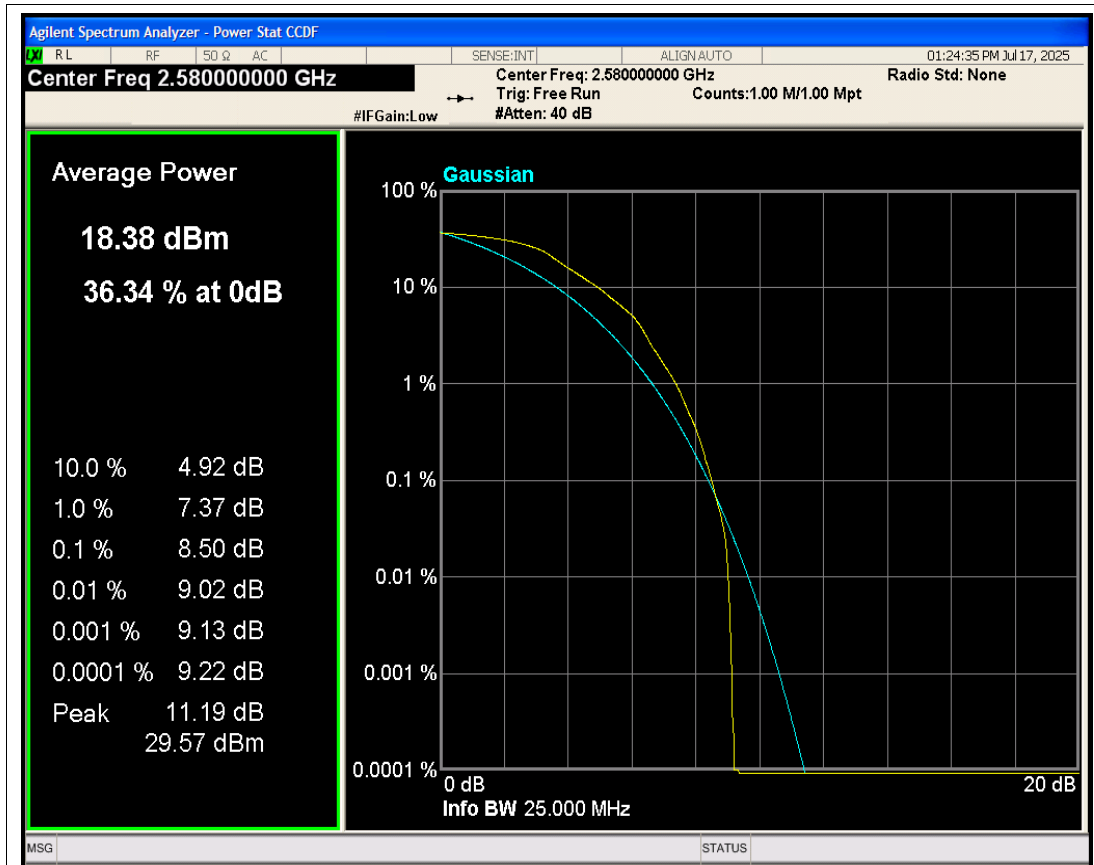
Band38 16QAM BW=15MHz Channel=38000 RB Size=1 Position=#0 NVNT



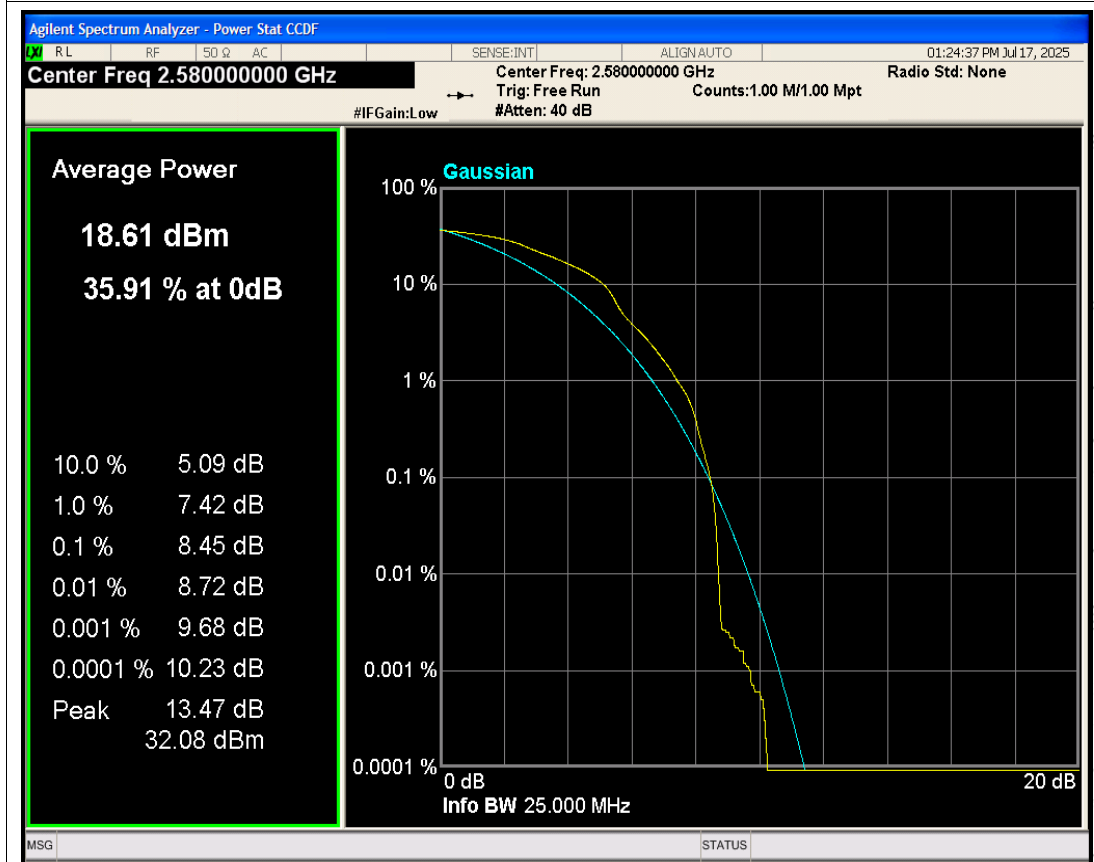
Band38 QPSK BW=15MHz Channel=38175 RB Size=1 Position=#0 NVNT



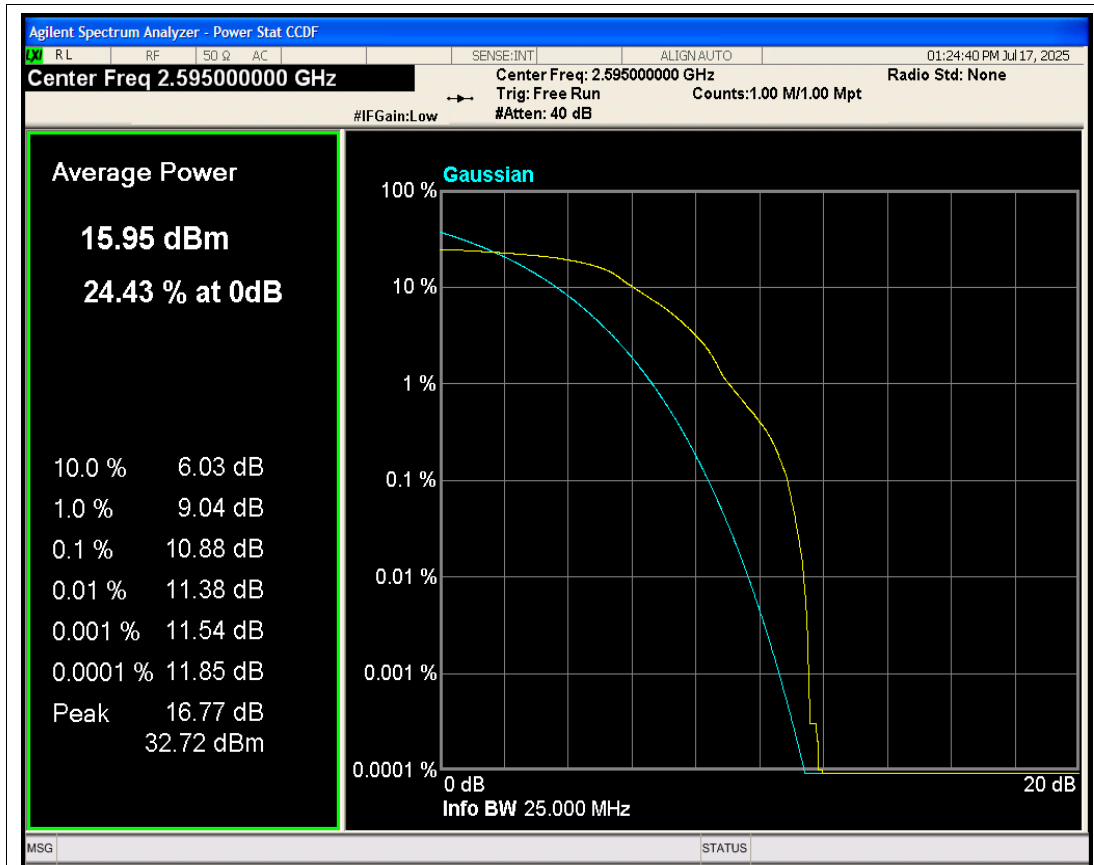
Band38 16QAM BW=15MHz Channel=38175 RB Size=1 Position=#0 NVNT



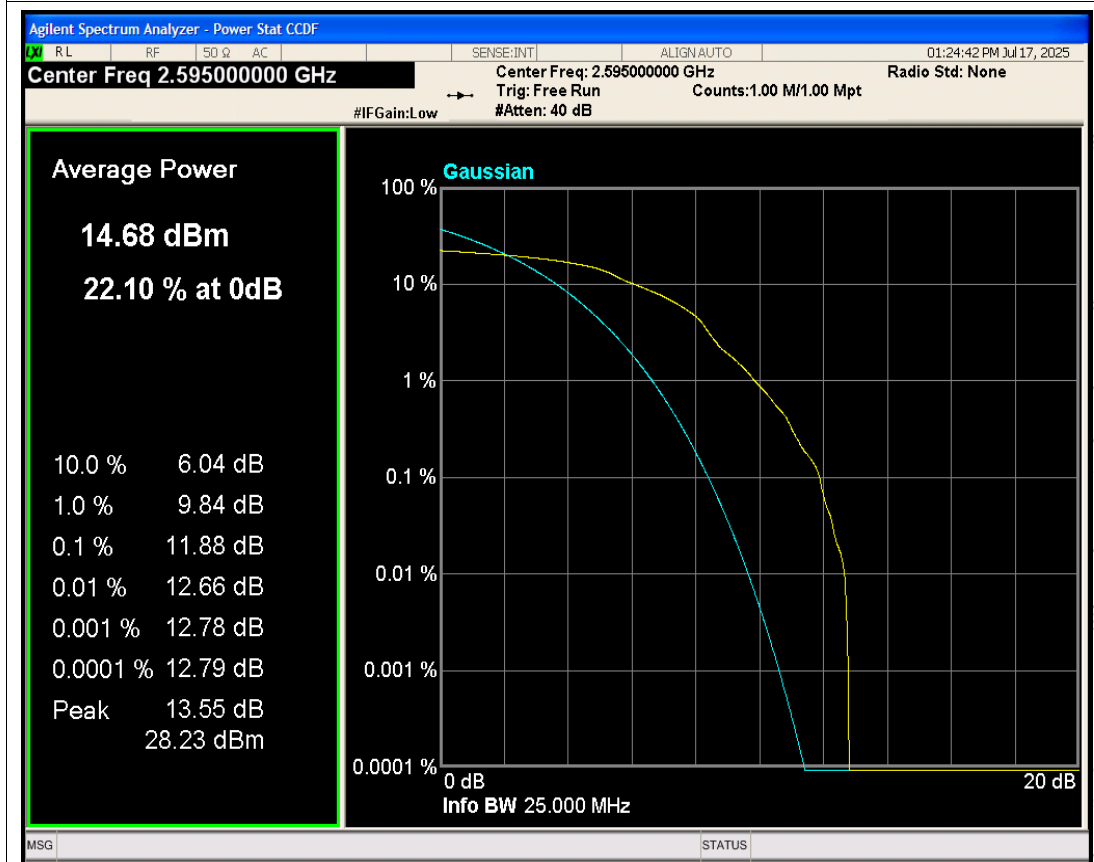
Band38 QPSK BW=20MHz Channel=37850 RB Size=1 Position=#0 NVNT



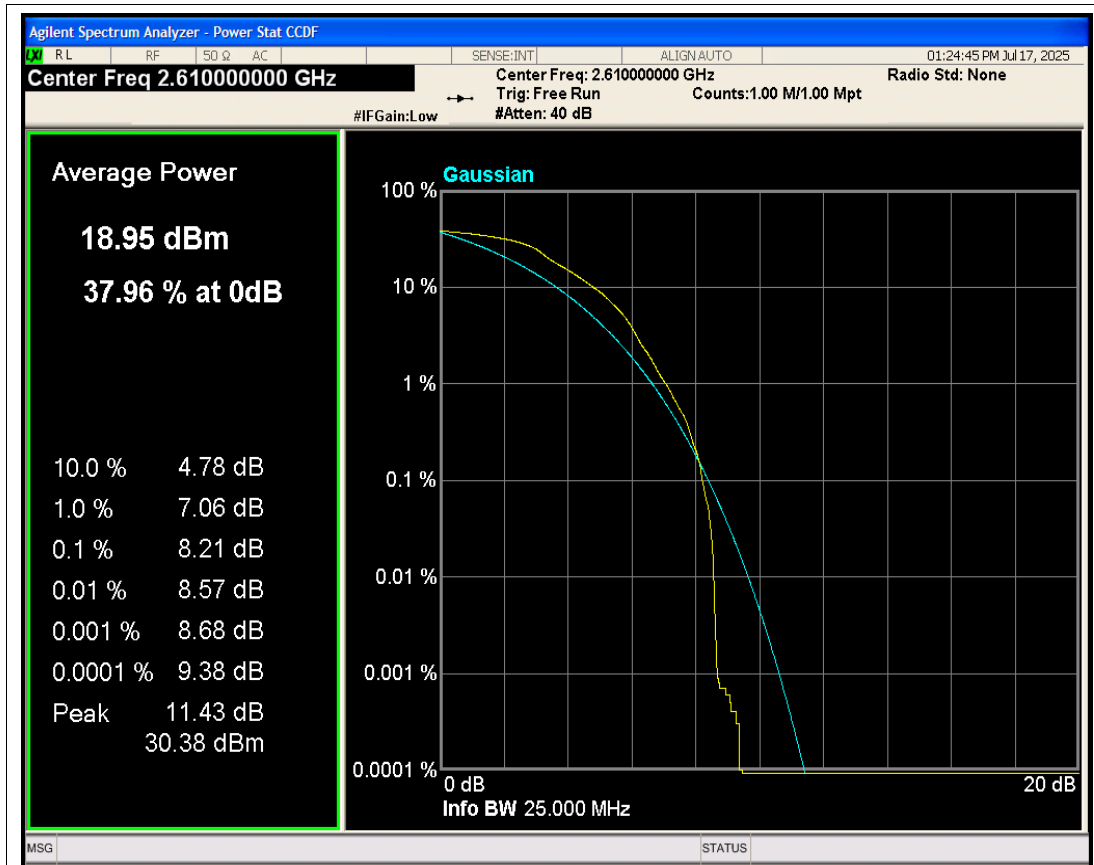
Band38 16QAM BW=20MHz Channel=37850 RB Size=1 Position=#0 NVNT



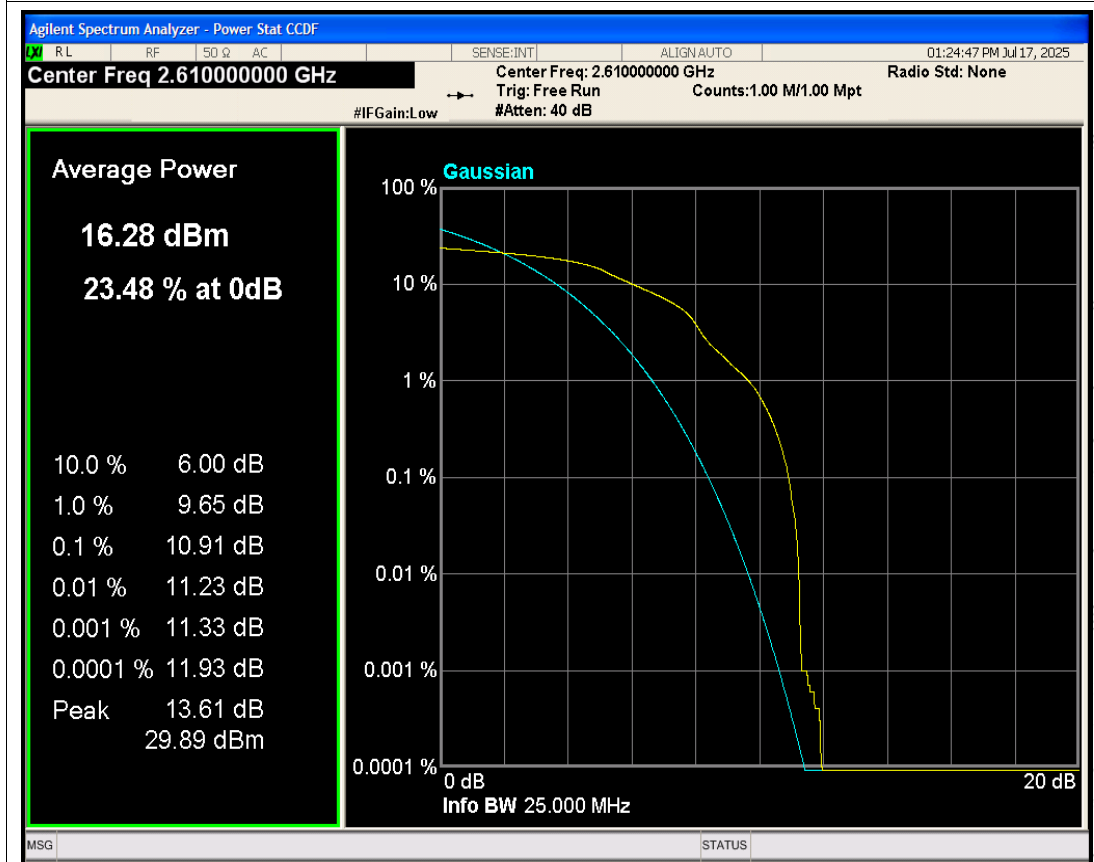
Band38 QPSK BW=20MHz Channel=38000 RB Size=1 Position=#0 NVNT



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



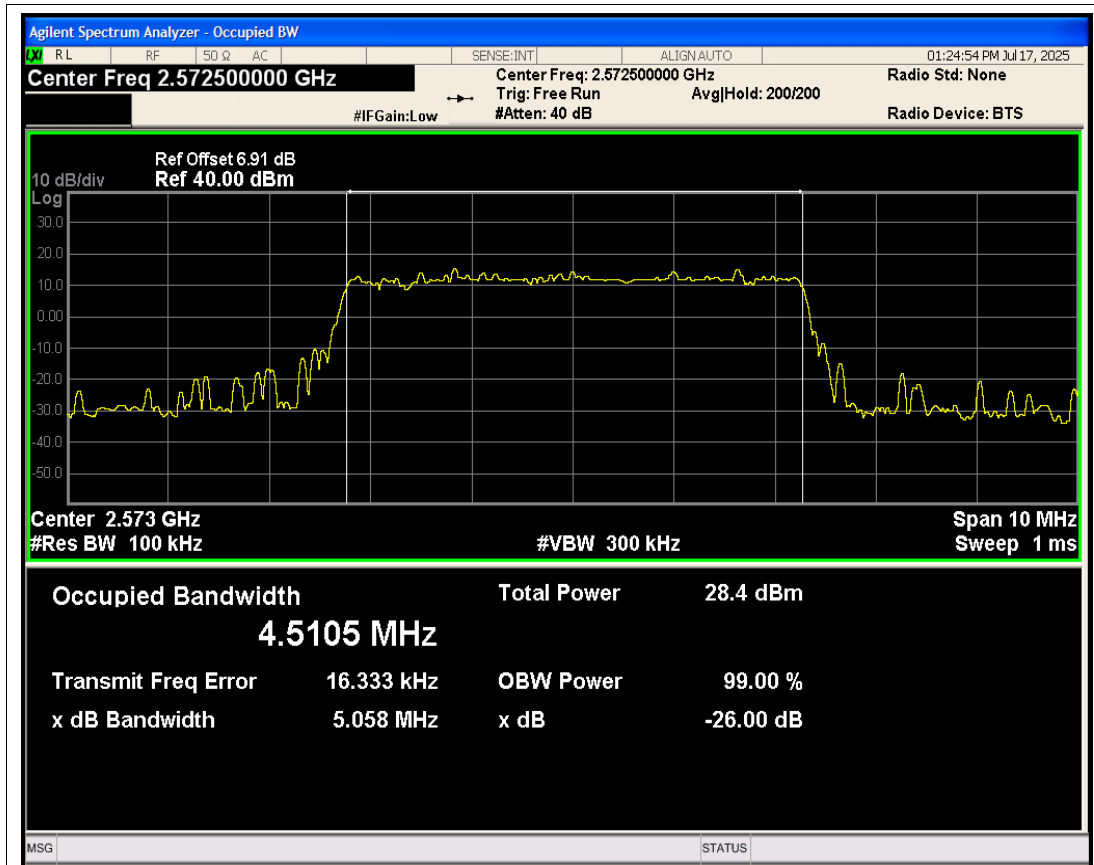
Band38 QPSK BW=20MHz Channel=38150 RB Size=1 Position=#0 NVNT



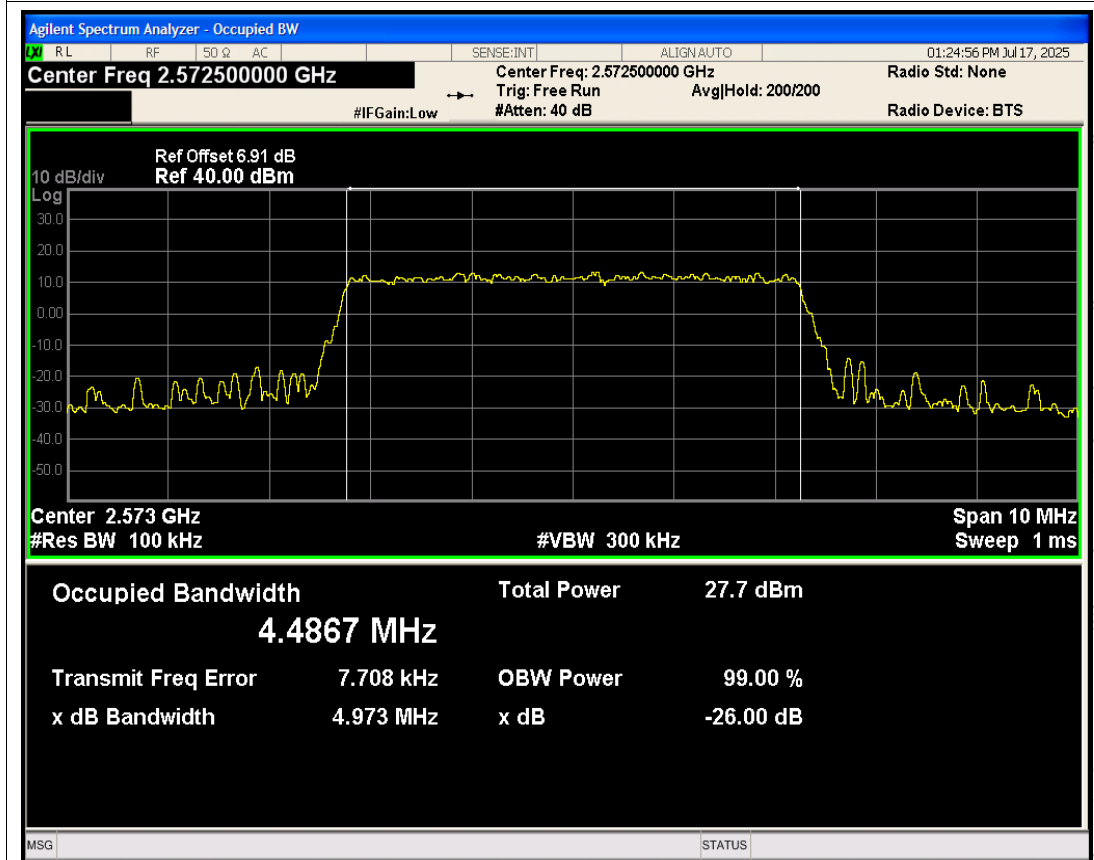
Band38 16QAM BW=20MHz Channel=38150 RB Size=1 Position=#0 NVNT

Appendix 4. Occupied bandwidth

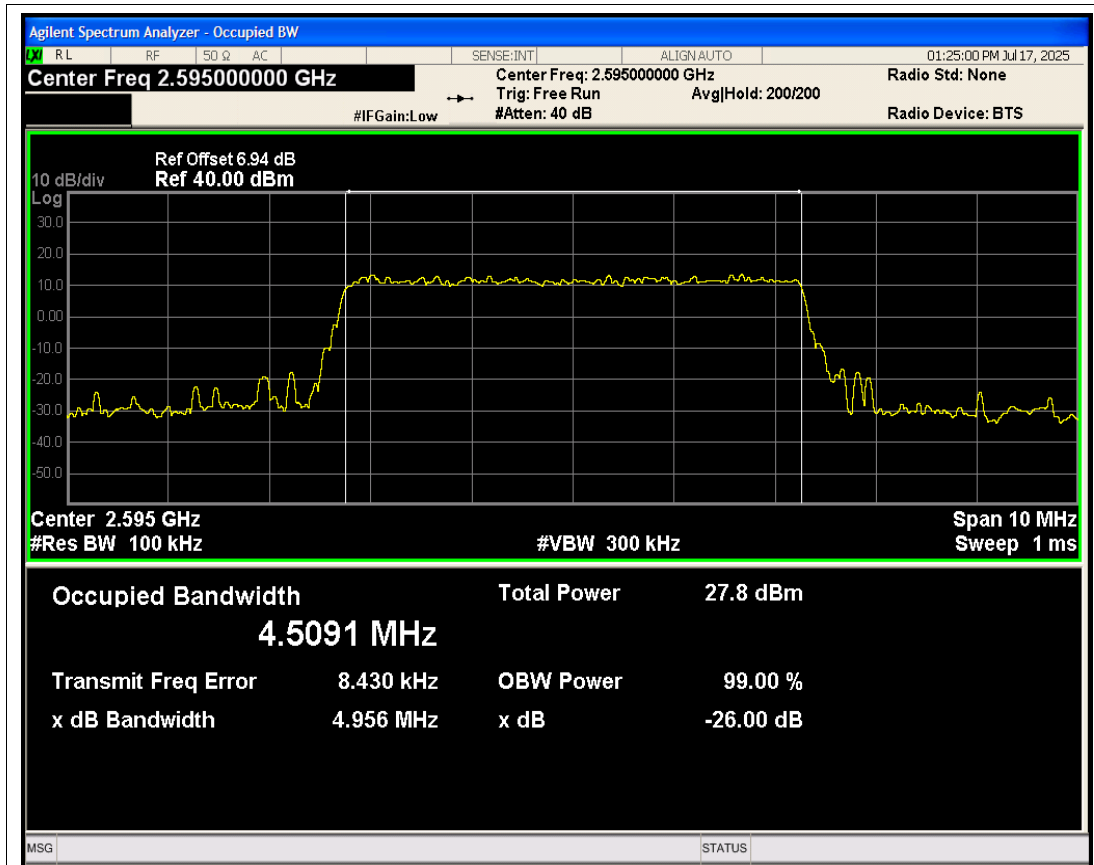
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band38	5	37775	25	#0	QPSK	4.511	5.058	PASS
Band38	5	37775	25	#0	16QAM	4.487	4.973	PASS
Band38	5	38000	25	#0	QPSK	4.509	4.956	PASS
Band38	5	38000	25	#0	16QAM	4.509	4.893	PASS
Band38	5	38225	25	#0	QPSK	4.502	4.983	PASS
Band38	5	38225	25	#0	16QAM	4.494	4.891	PASS
Band38	10	37800	50	#0	QPSK	8.981	9.825	PASS
Band38	10	37800	50	#0	16QAM	8.995	9.824	PASS
Band38	10	38000	50	#0	QPSK	8.989	9.889	PASS
Band38	10	38000	50	#0	16QAM	8.980	9.744	PASS
Band38	10	38200	50	#0	QPSK	8.987	9.740	PASS
Band38	10	38200	50	#0	16QAM	9.010	9.717	PASS
Band38	15	37825	75	#0	QPSK	13.499	14.576	PASS
Band38	15	37825	75	#0	16QAM	13.500	14.643	PASS
Band38	15	38000	75	#0	QPSK	13.466	14.793	PASS
Band38	15	38000	75	#0	16QAM	13.519	14.812	PASS
Band38	15	38175	75	#0	QPSK	13.465	14.973	PASS
Band38	15	38175	75	#0	16QAM	13.493	14.838	PASS
Band38	20	37850	100	#0	QPSK	17.927	19.307	PASS
Band38	20	37850	100	#0	16QAM	17.931	19.389	PASS
Band38	20	38000	100	#0	QPSK	17.998	19.399	PASS
Band38	20	38000	100	#0	16QAM	17.986	19.168	PASS
Band38	20	38150	100	#0	QPSK	18.004	19.907	PASS
Band38	20	38150	100	#0	16QAM	18.006	19.295	PASS



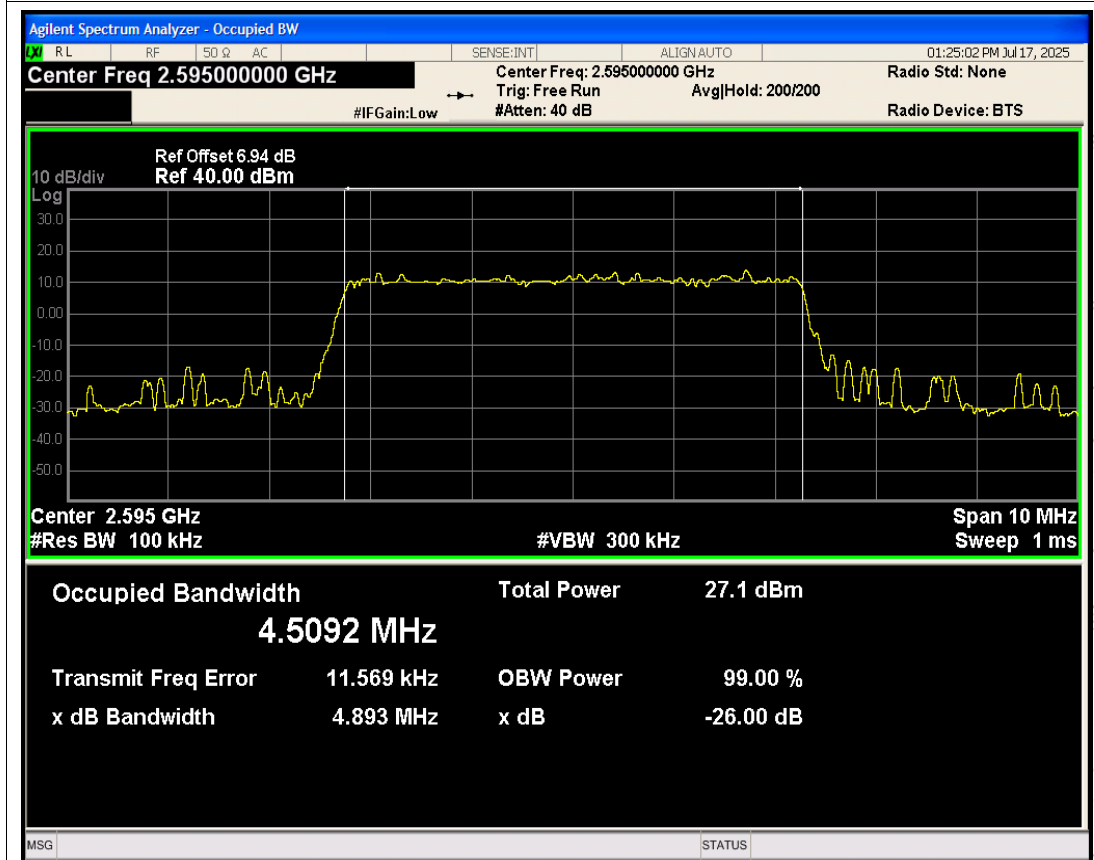
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0 NVNT



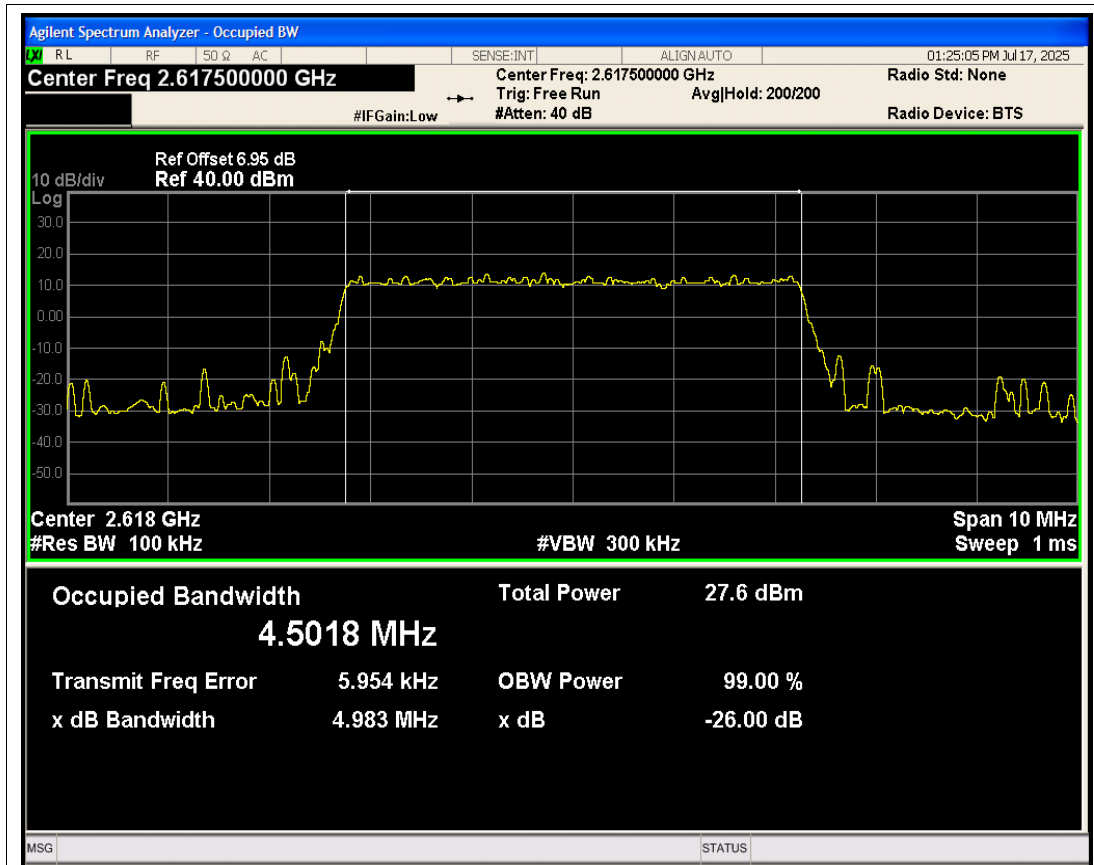
Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0 NVNT



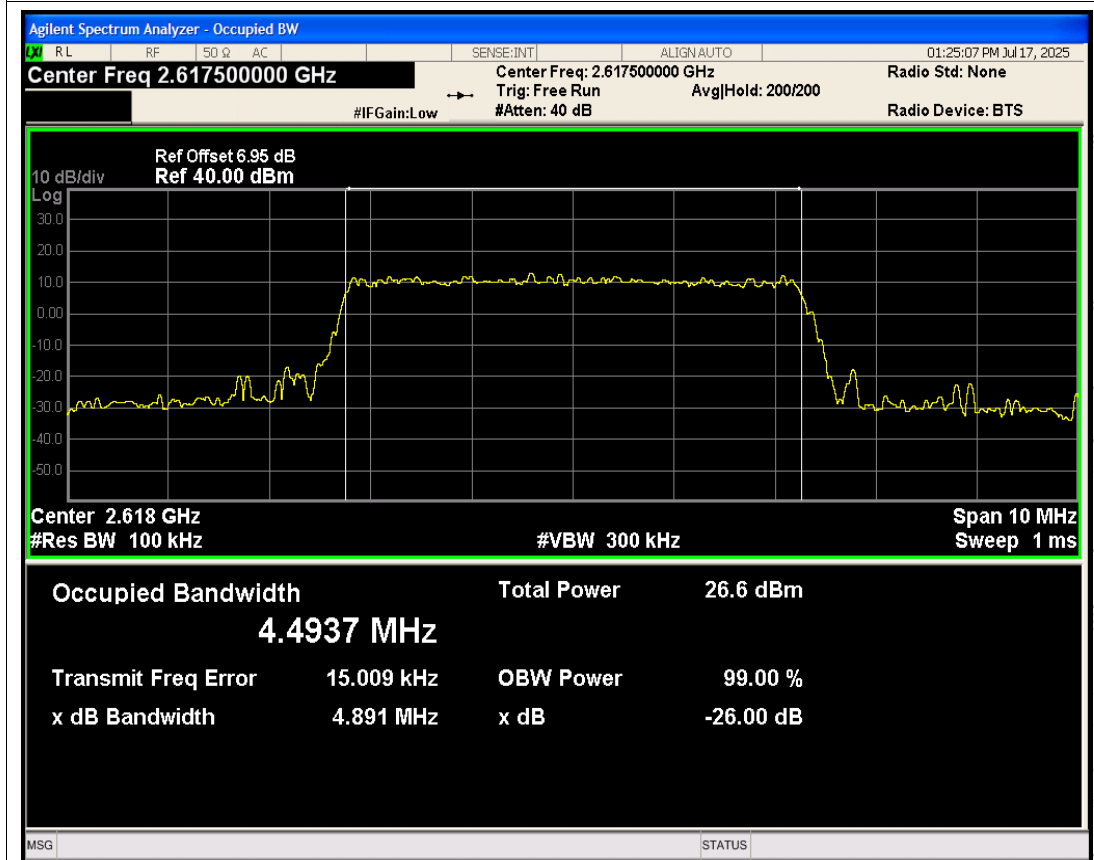
Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0 NVNT



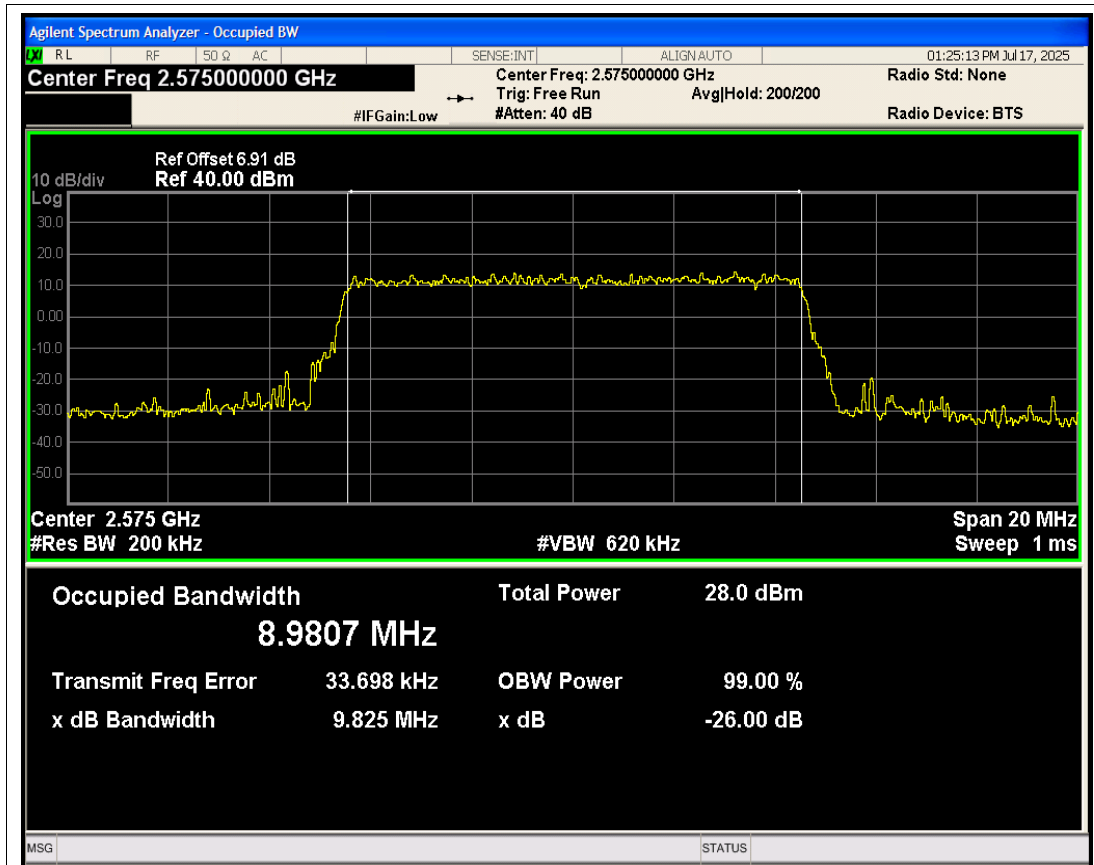
Band38 16QAM BW=5MHz Channel=38000 RB Size=25 Position=#0 NVNT



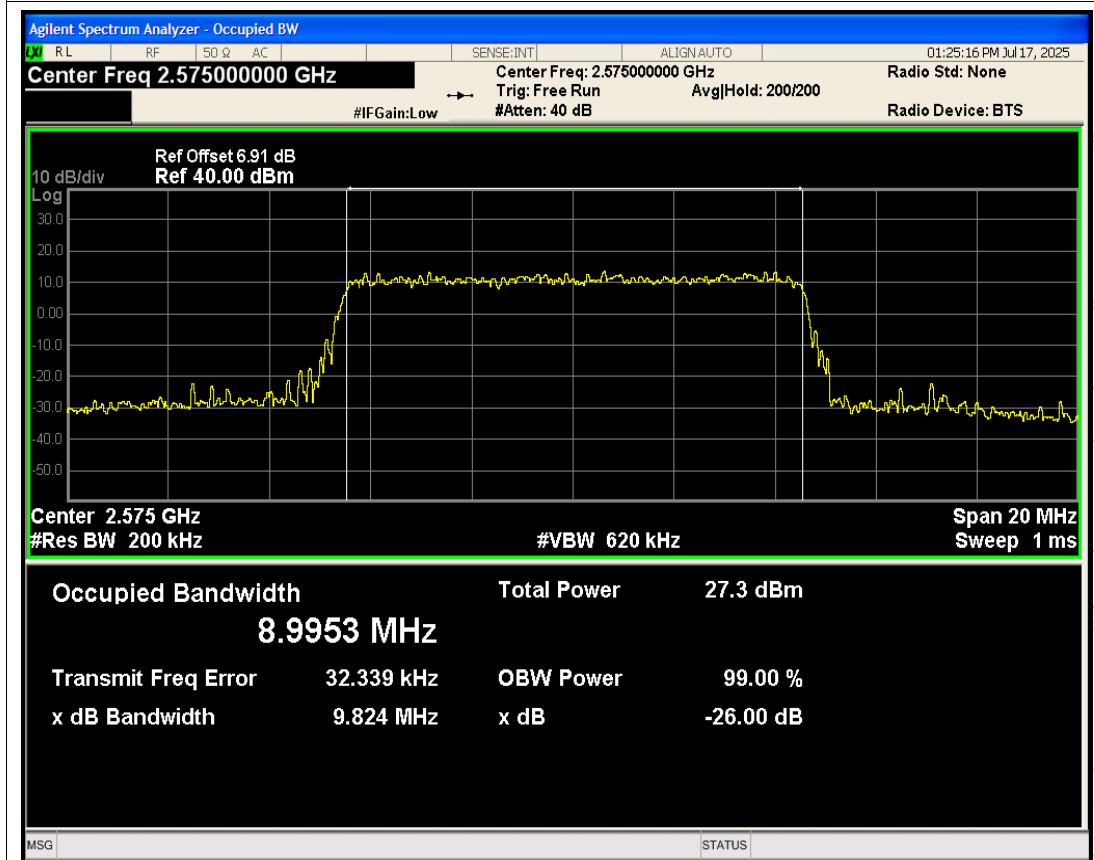
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0 NVNT



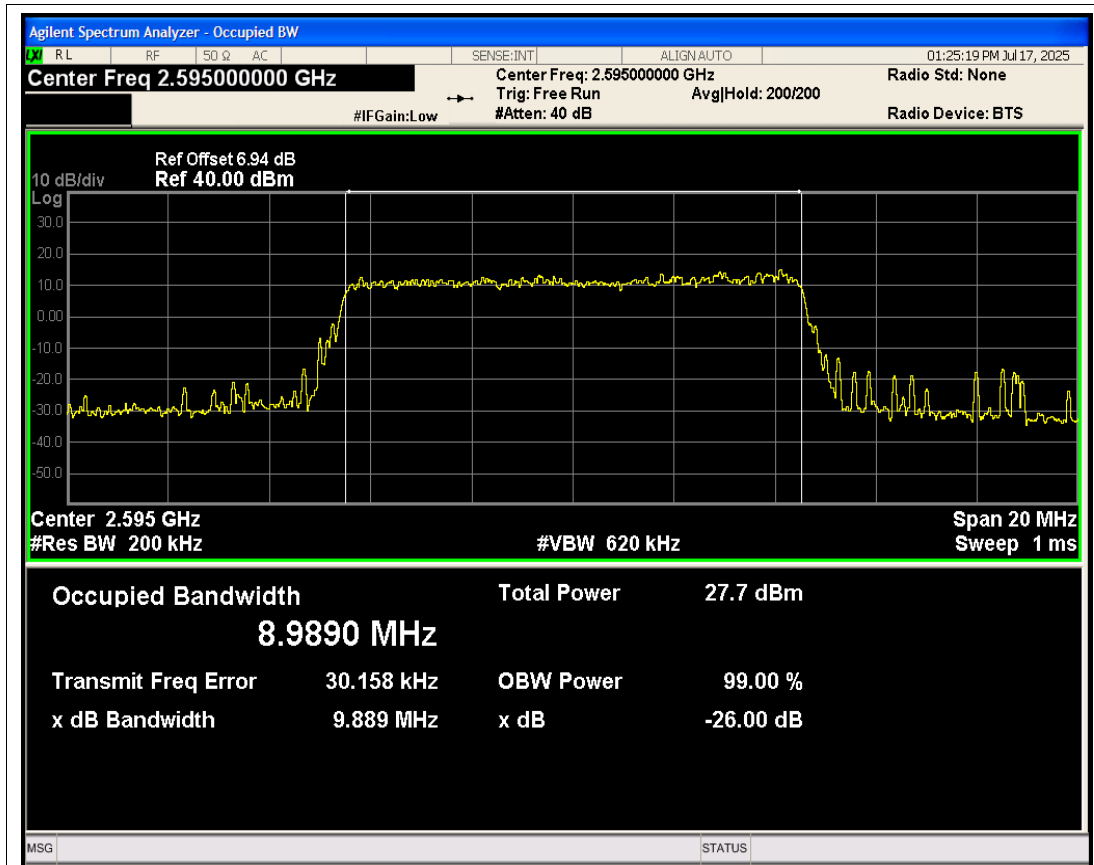
Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0 NVNT



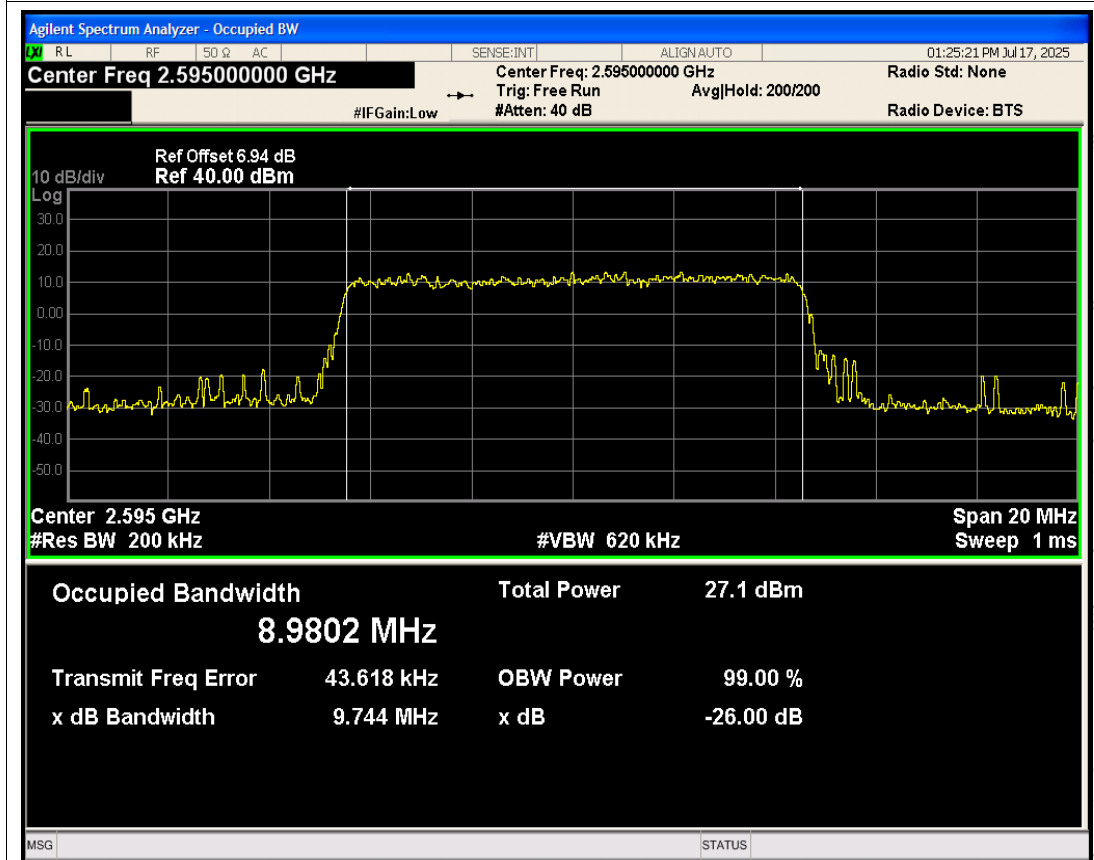
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0 NVNT



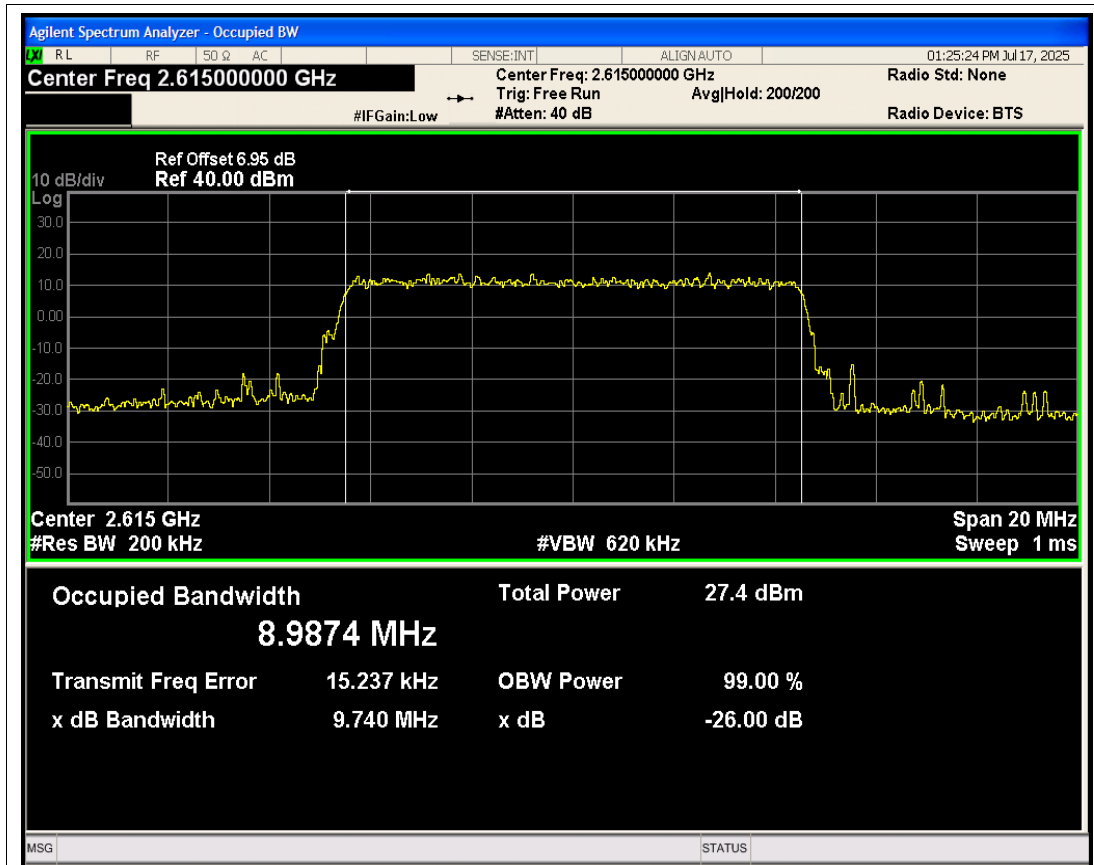
Band38 16QAM BW=10MHz Channel=37800 RB Size=50 Position=#0 NVNT



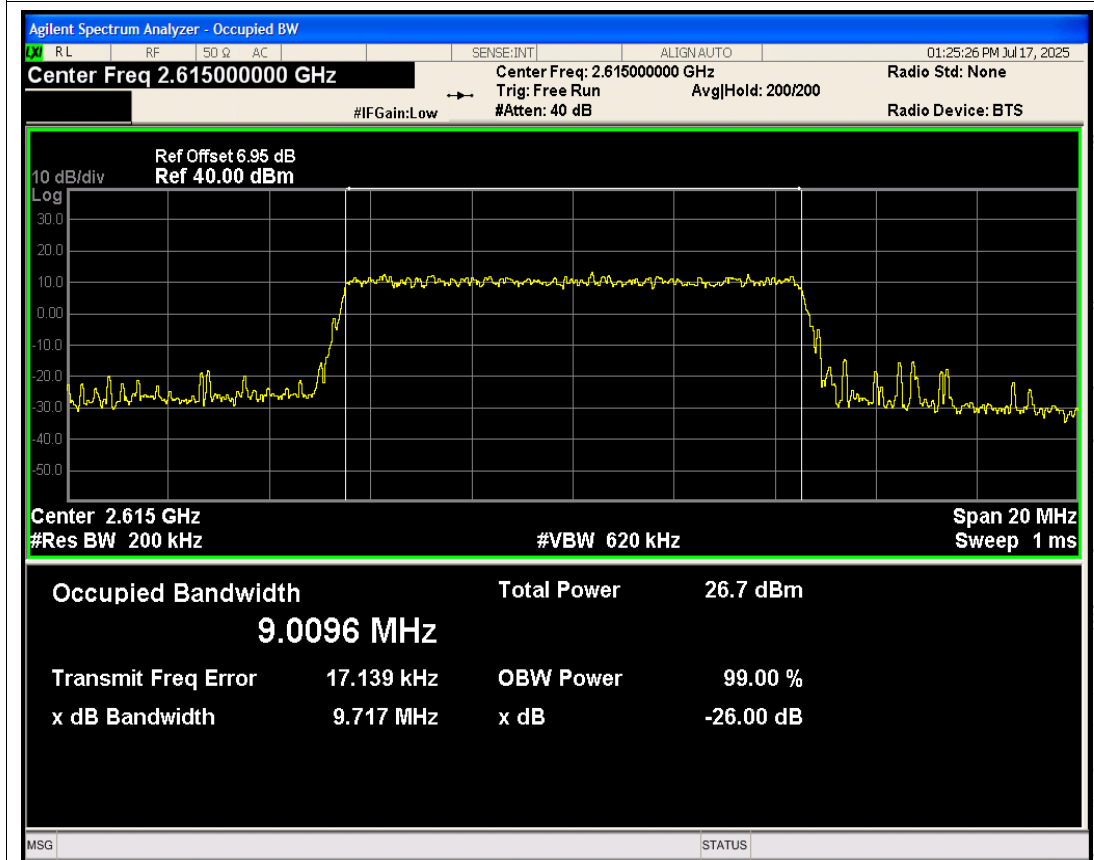
Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0 NVNT



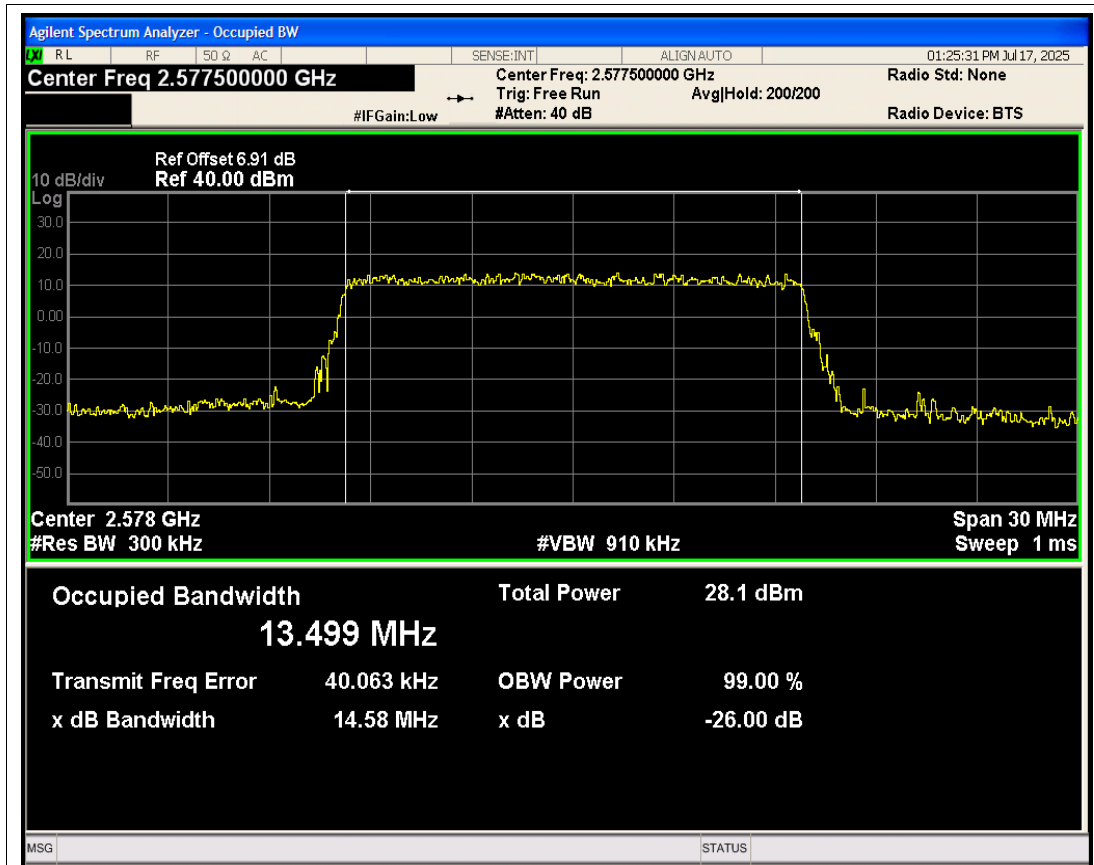
Band38 16QAM BW=10MHz Channel=38000 RB Size=50 Position=#0 NVNT



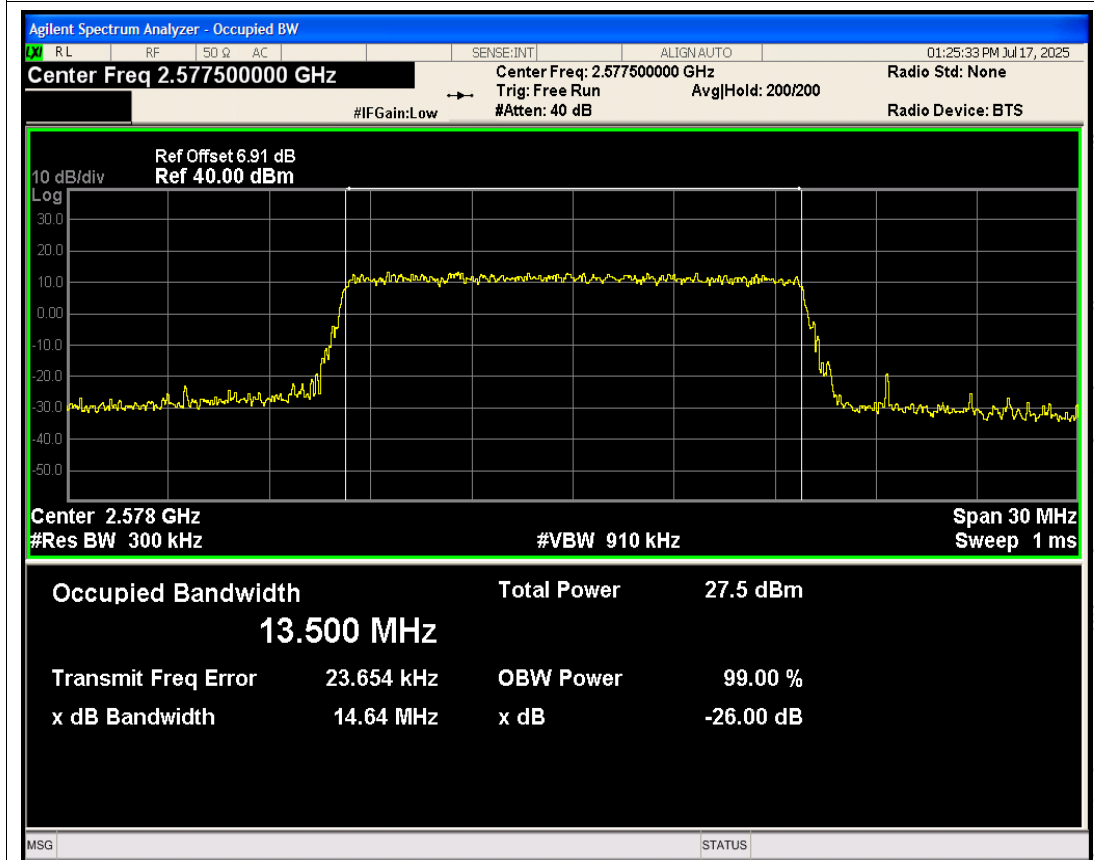
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0 NVNT



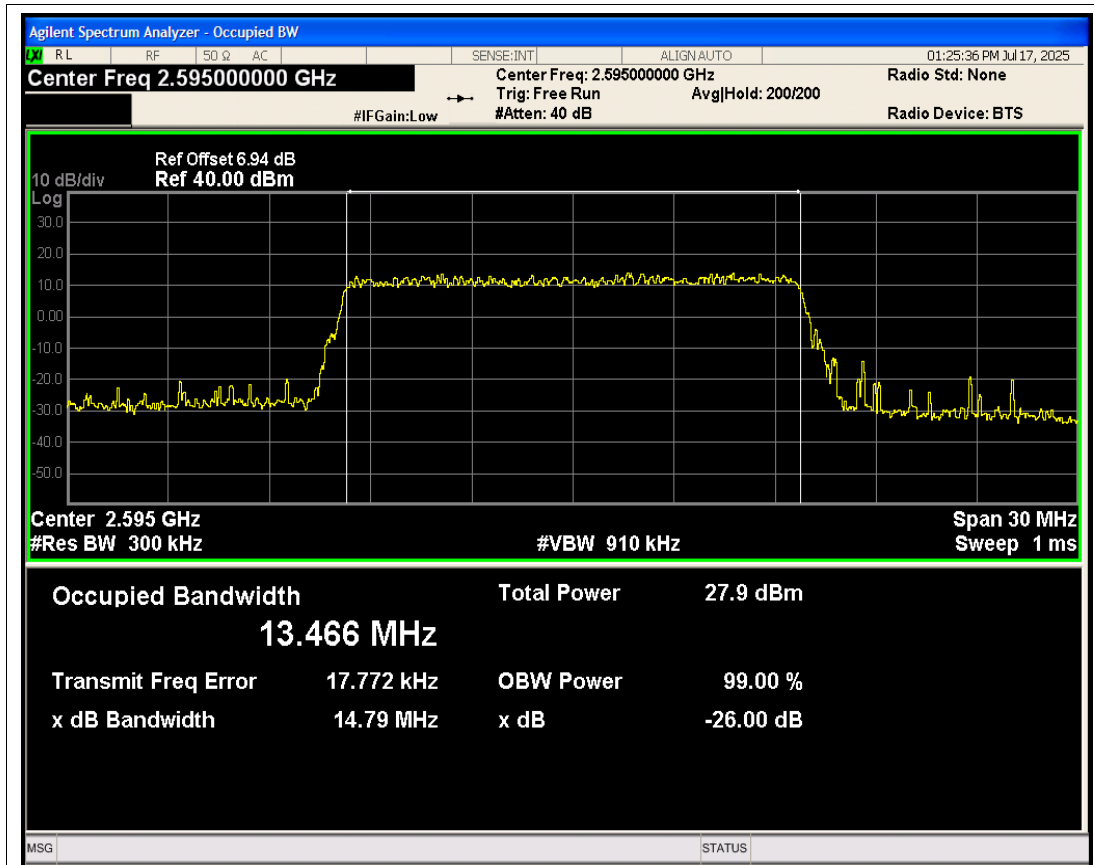
Band38 16QAM BW=10MHz Channel=38200 RB Size=50 Position=#0 NVNT



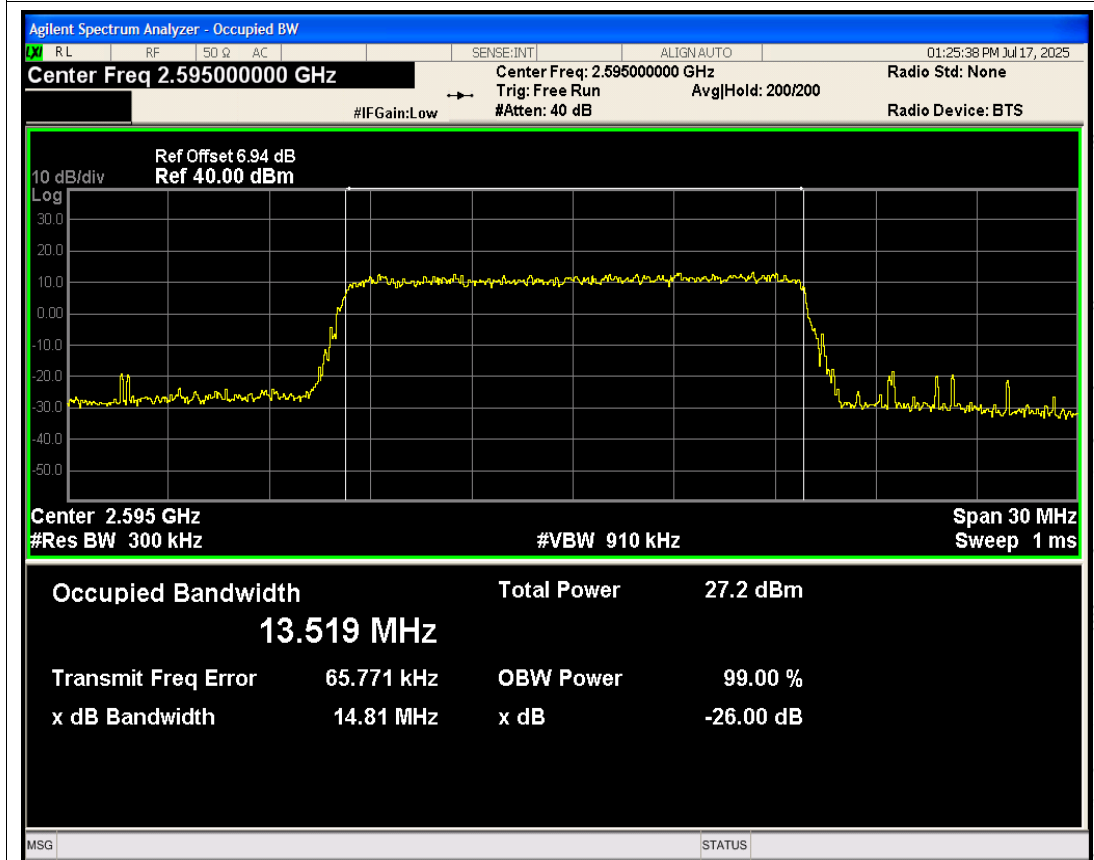
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0 NVNT



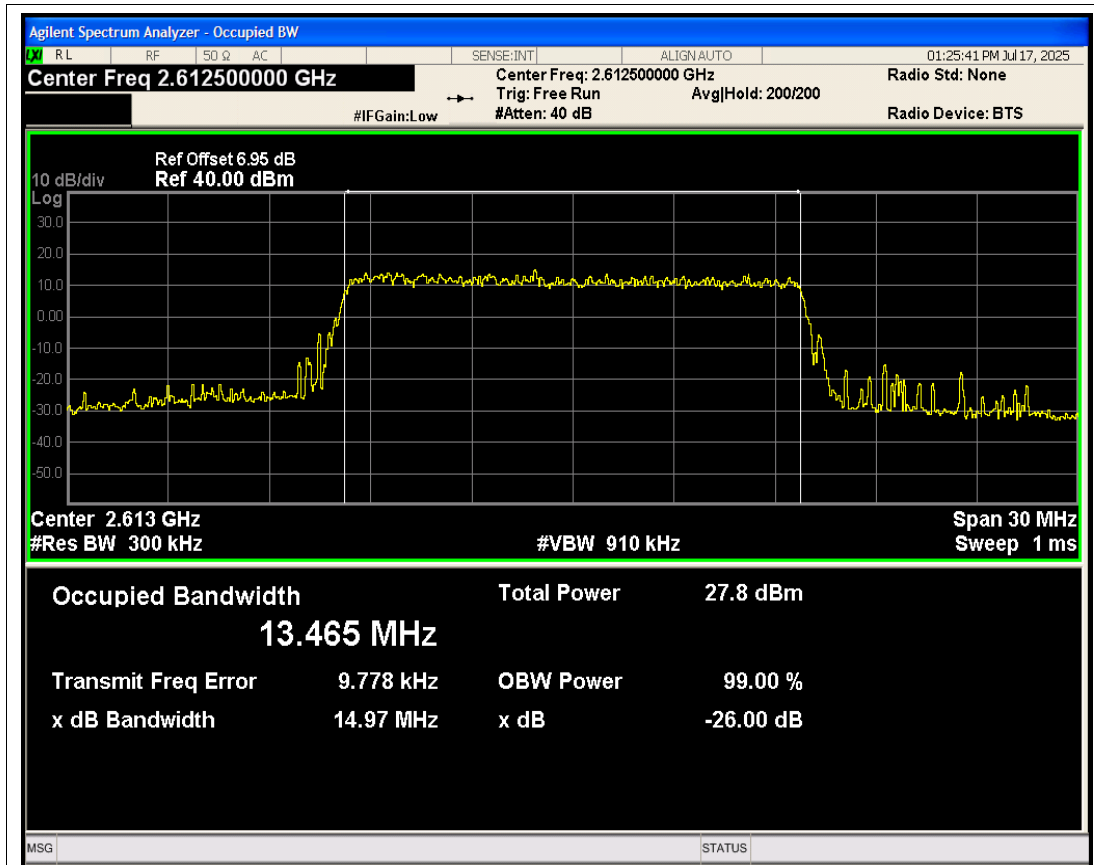
Band38 16QAM BW=15MHz Channel=37825 RB Size=75 Position=#0 NVNT



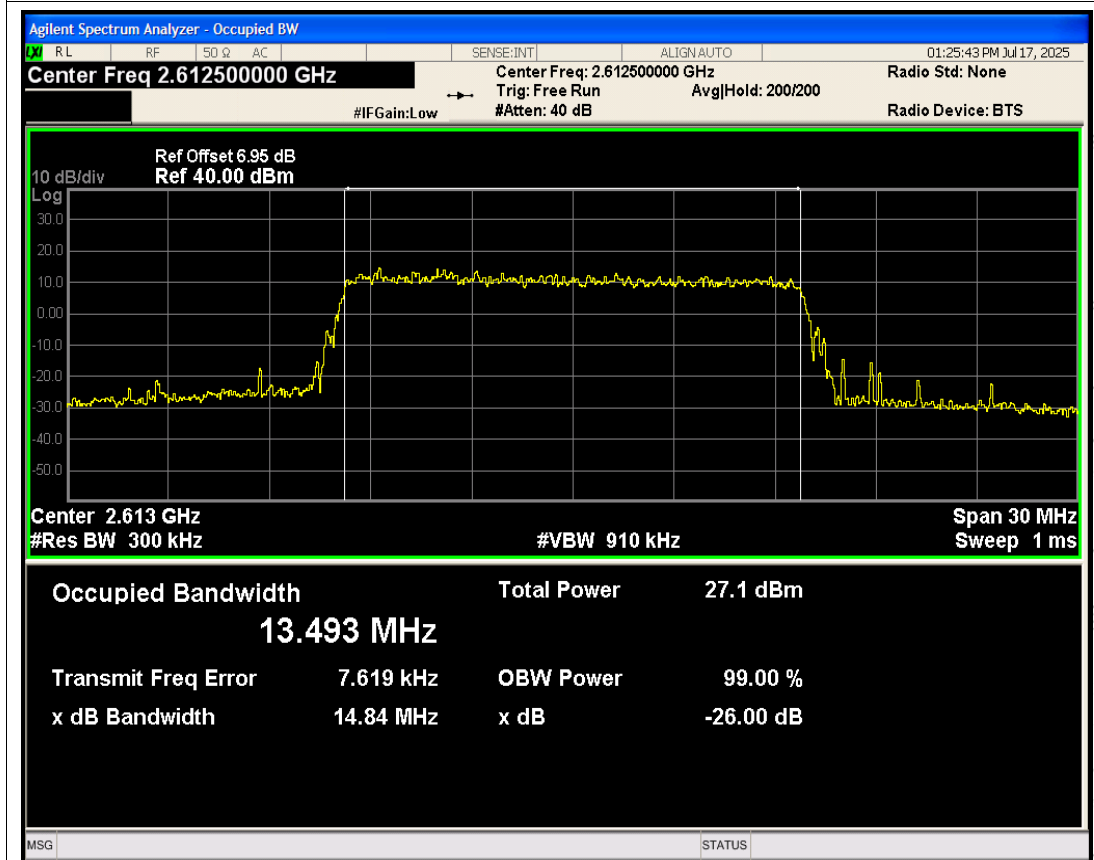
Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0 NVNT



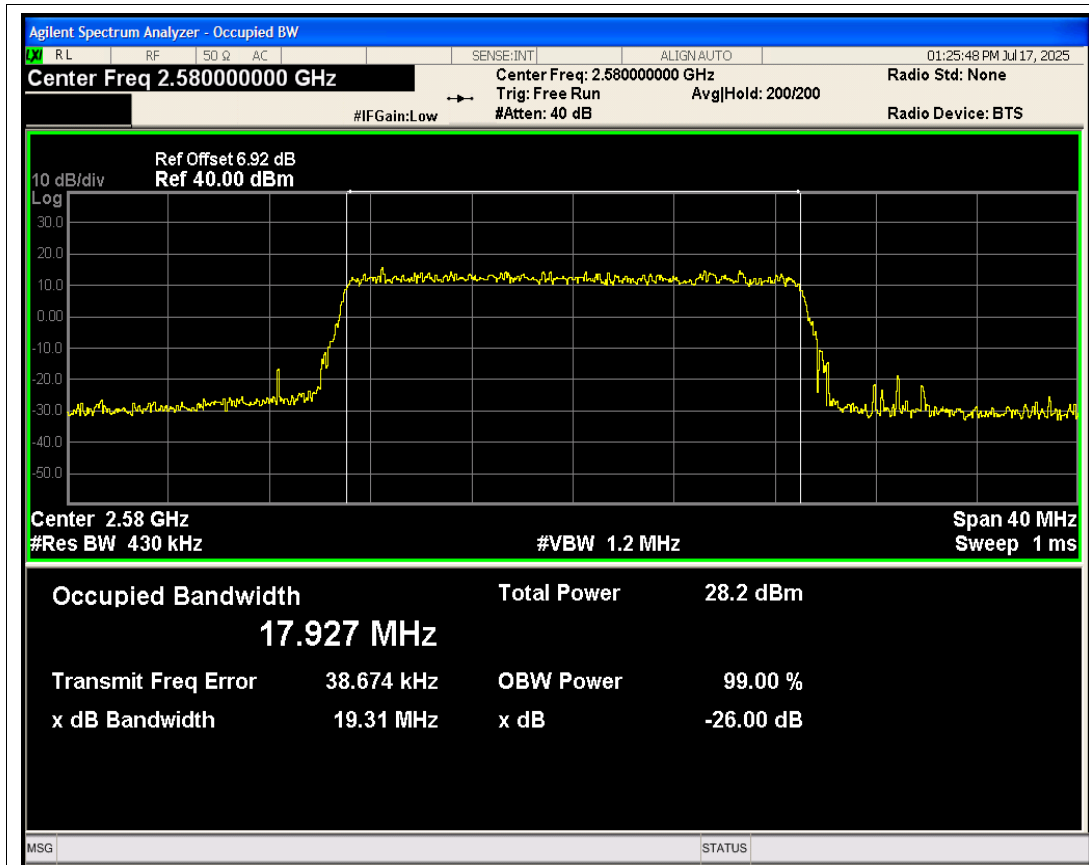
Band38 16QAM BW=15MHz Channel=38000 RB Size=75 Position=#0 NVNT



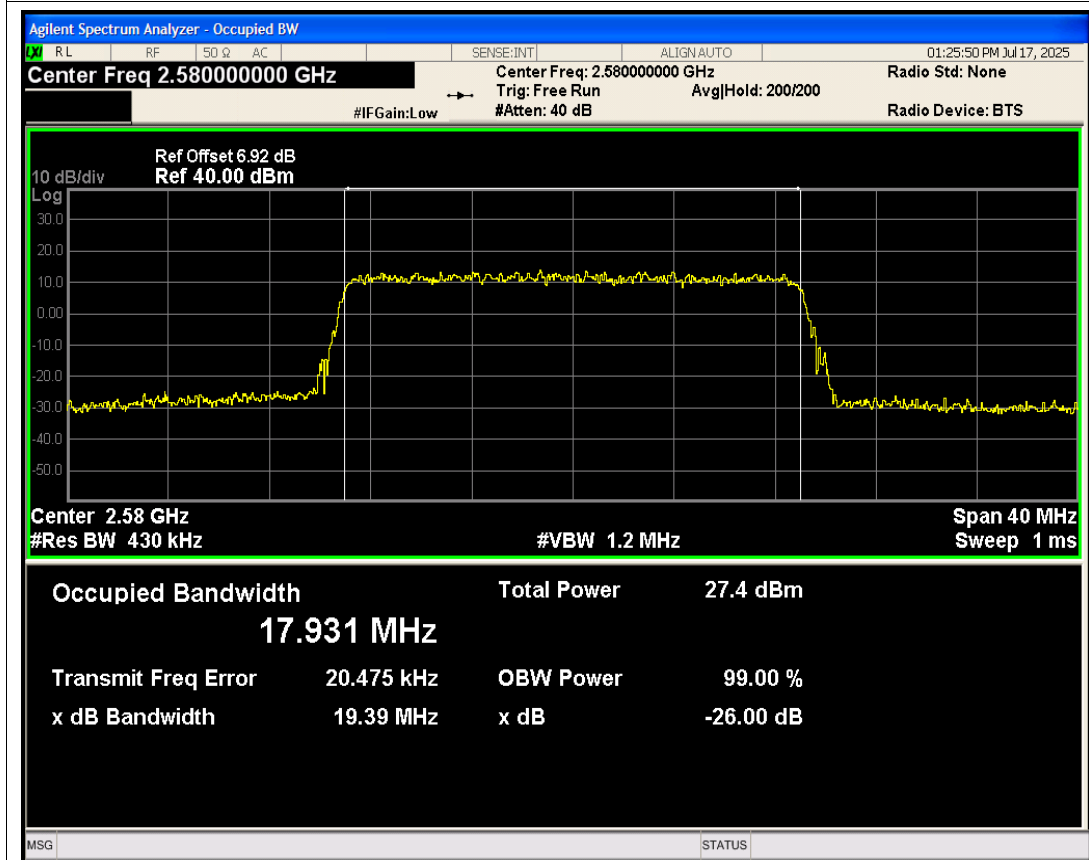
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0 NVNT



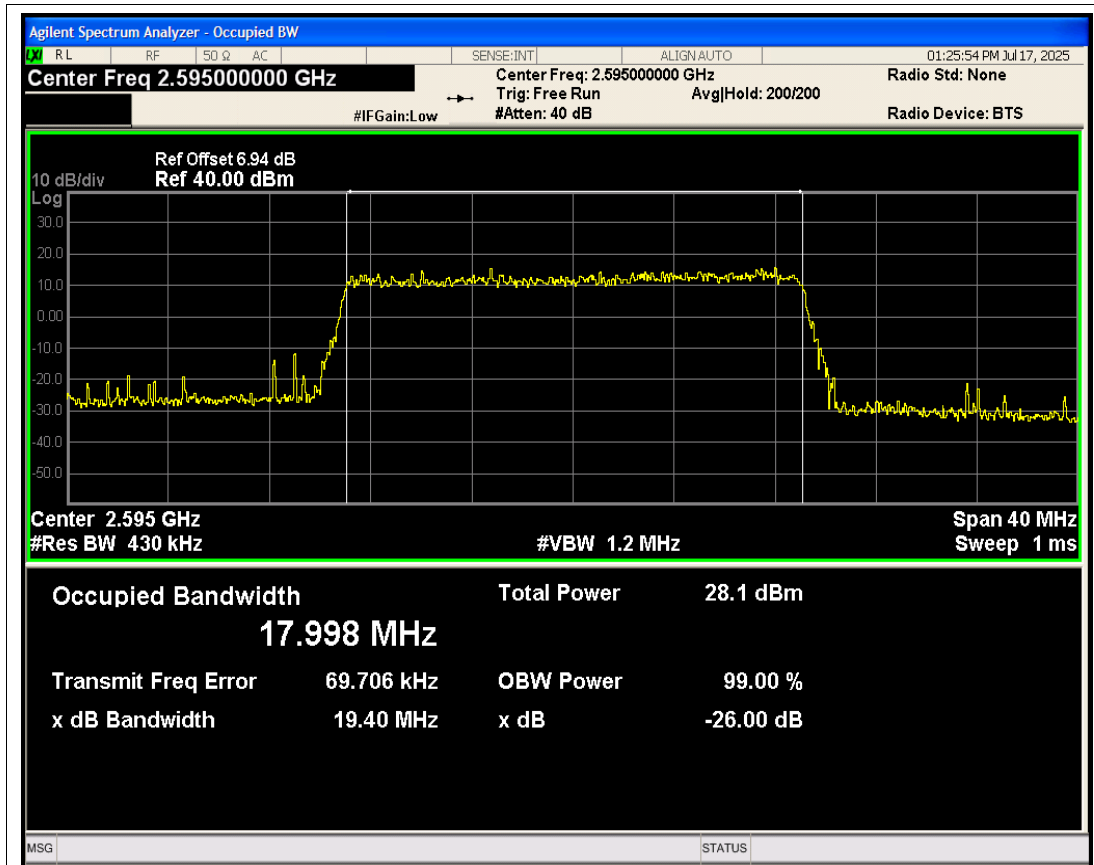
Band38 16QAM BW=15MHz Channel=38175 RB Size=75 Position=#0 NVNT



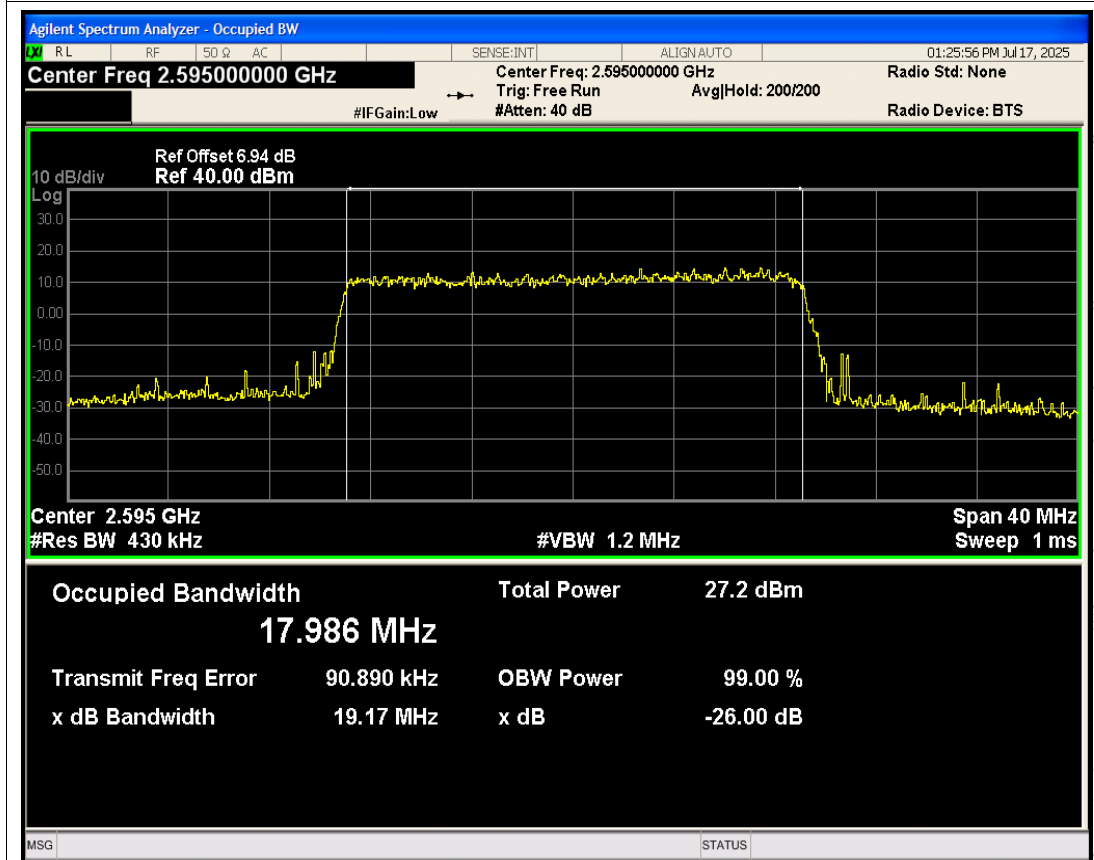
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0 NVNT



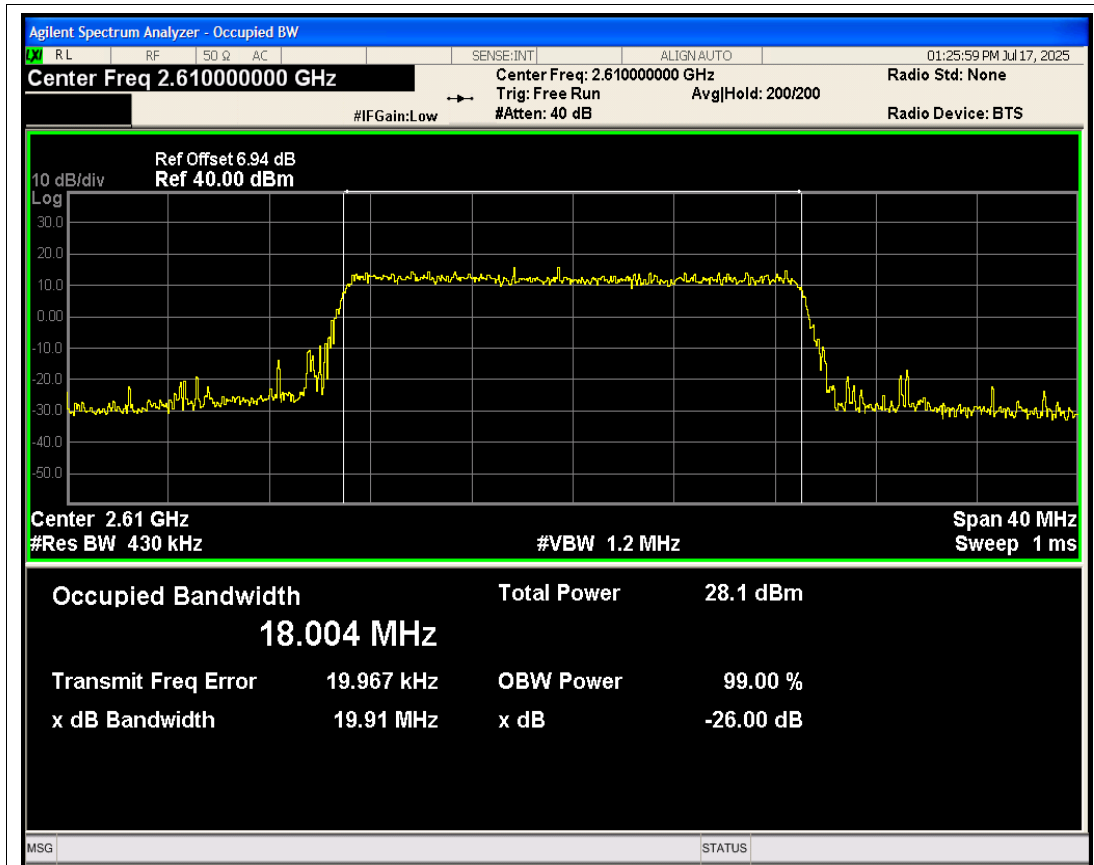
Band38 16QAM BW=20MHz Channel=37850 RB Size=100 Position=#0 NVNT



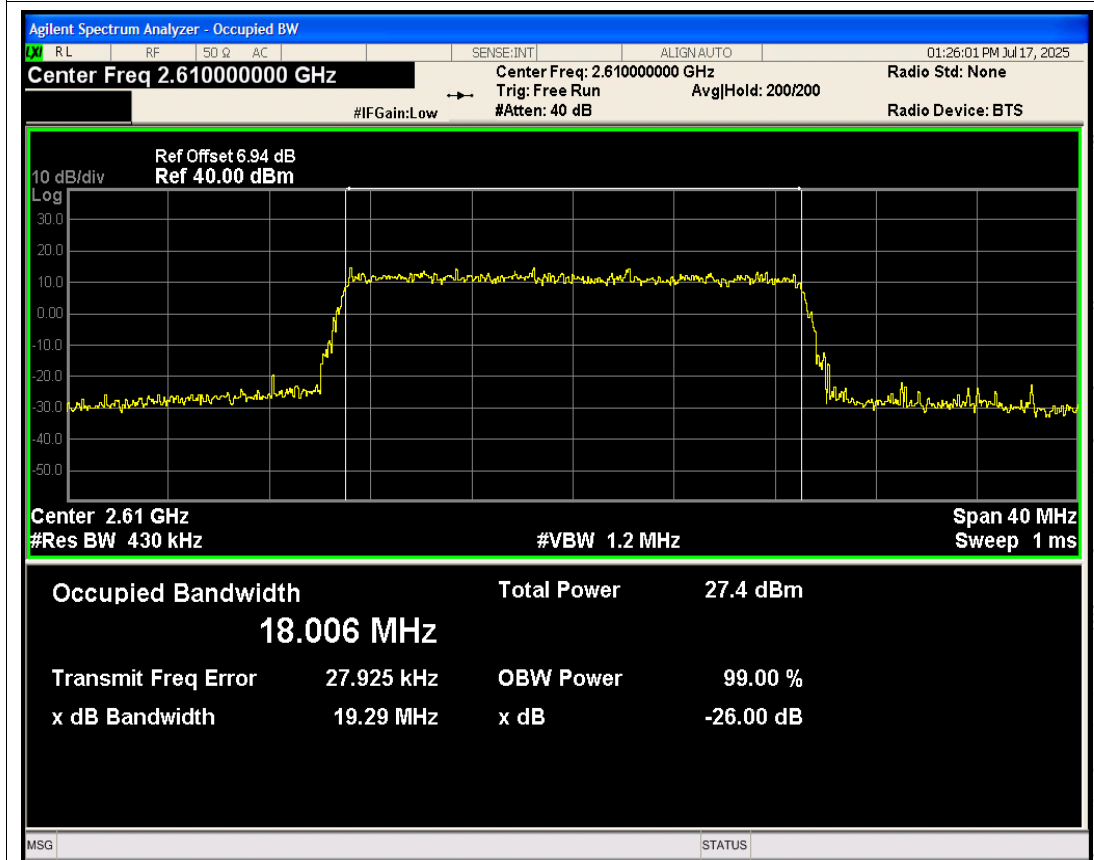
Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0 NVNT



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



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

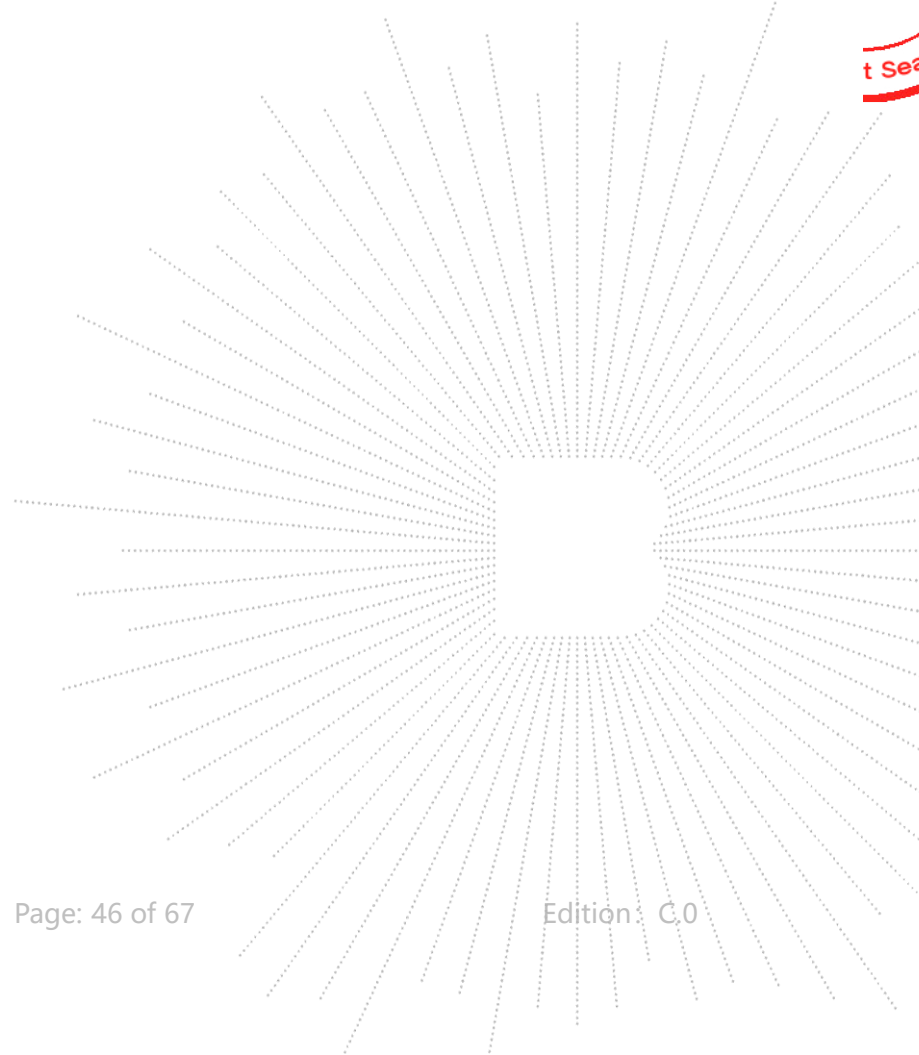


Band38 16QAM BW=20MHz Channel=38150 RB Size=100 Position=#0 NVNT

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	2563.60	-31.86	-25	PASS
Band38	5	37775	25	#0	16QAM	2563.99	-32.07	-25	PASS
Band38	5	38225	25	#0	QPSK	2626.72	-34.18	-25	PASS
Band38	5	38225	25	#0	16QAM	2626.20	-30.27	-25	PASS
Band38	10	37800	50	#0	QPSK	2559.02	-37.58	-25	PASS
Band38	10	37800	50	#0	16QAM	2559.89	-37.51	-25	PASS
Band38	10	38200	50	#0	QPSK	2630.35	-33.54	-25	PASS
Band38	10	38200	50	#0	16QAM	2630.02	-34.23	-25	PASS
Band38	15	37825	75	#0	QPSK	2554.69	-37.84	-25	PASS
Band38	15	37825	75	#0	16QAM	2554.88	-38.35	-25	PASS
Band38	15	38175	75	#0	QPSK	2635.51	-36.07	-25	PASS
Band38	15	38175	75	#0	16QAM	2636.14	-36.32	-25	PASS
Band38	20	37850	100	#0	QPSK	2549.39	-39.13	-25	PASS
Band38	20	37850	100	#0	16QAM	2549.66	-39.36	-25	PASS
Band38	20	38150	100	#0	QPSK	2642.74	-38.08	-25	PASS
Band38	20	38150	100	#0	16QAM	2640.01	-37.98	-25	PASS

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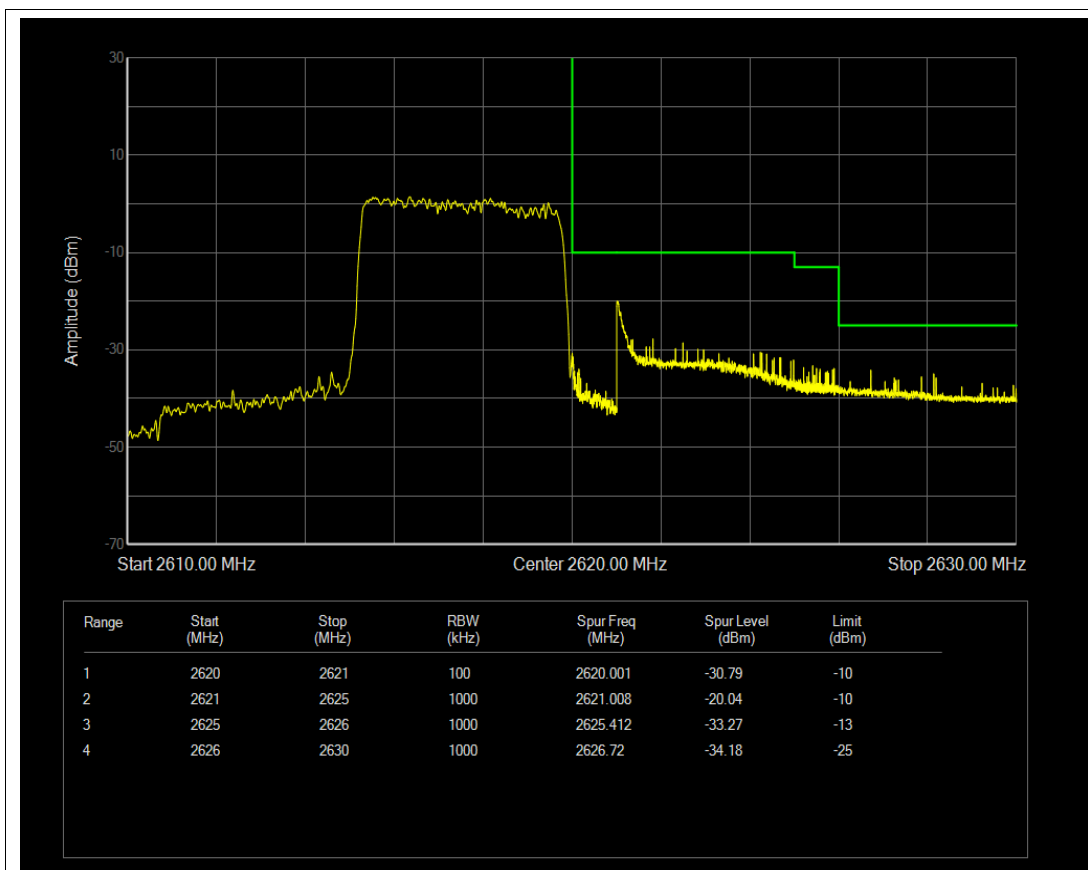
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2560	2564	1000	2563.596	-31.86	-25
2	2564	2565	1000	2564.685	-30.77	-13
3	2565	2569	1000	2568.996	-18.98	-10
4	2569	2570	100	2569.999	-30.17	-10

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

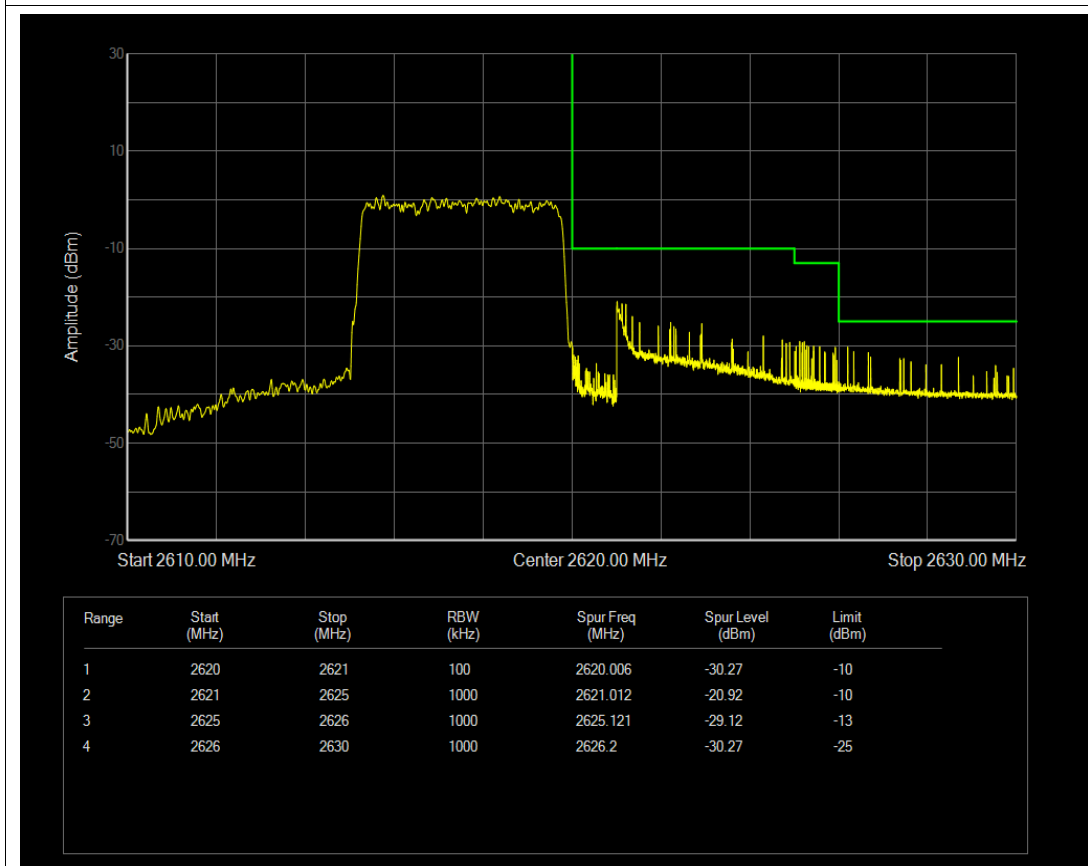


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2560	2564	1000	2563.992	-32.07	-25
2	2564	2565	1000	2564.354	-31.46	-13
3	2565	2569	1000	2568.98	-20.41	-10
4	2569	2570	100	2570	-30.51	-10

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

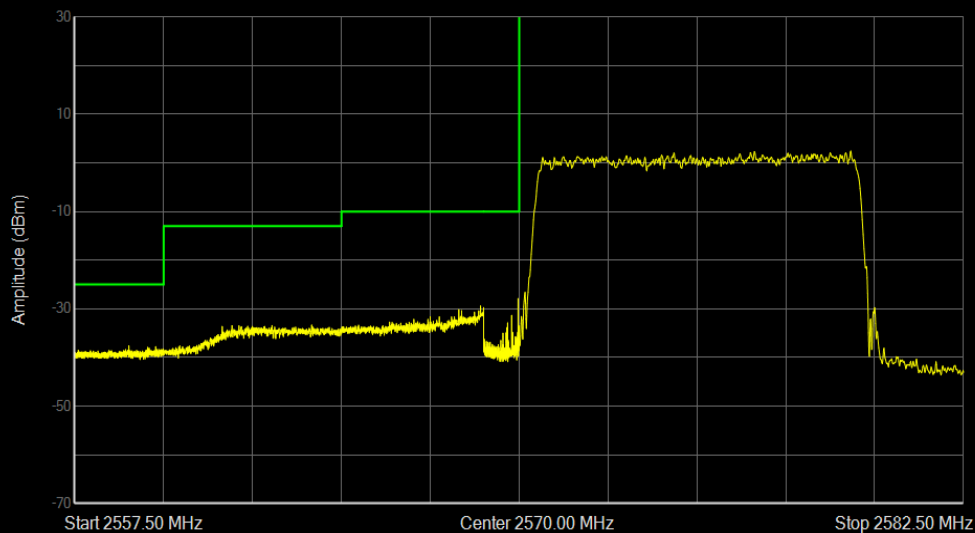


Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0 NVNT



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

CO., LTD.



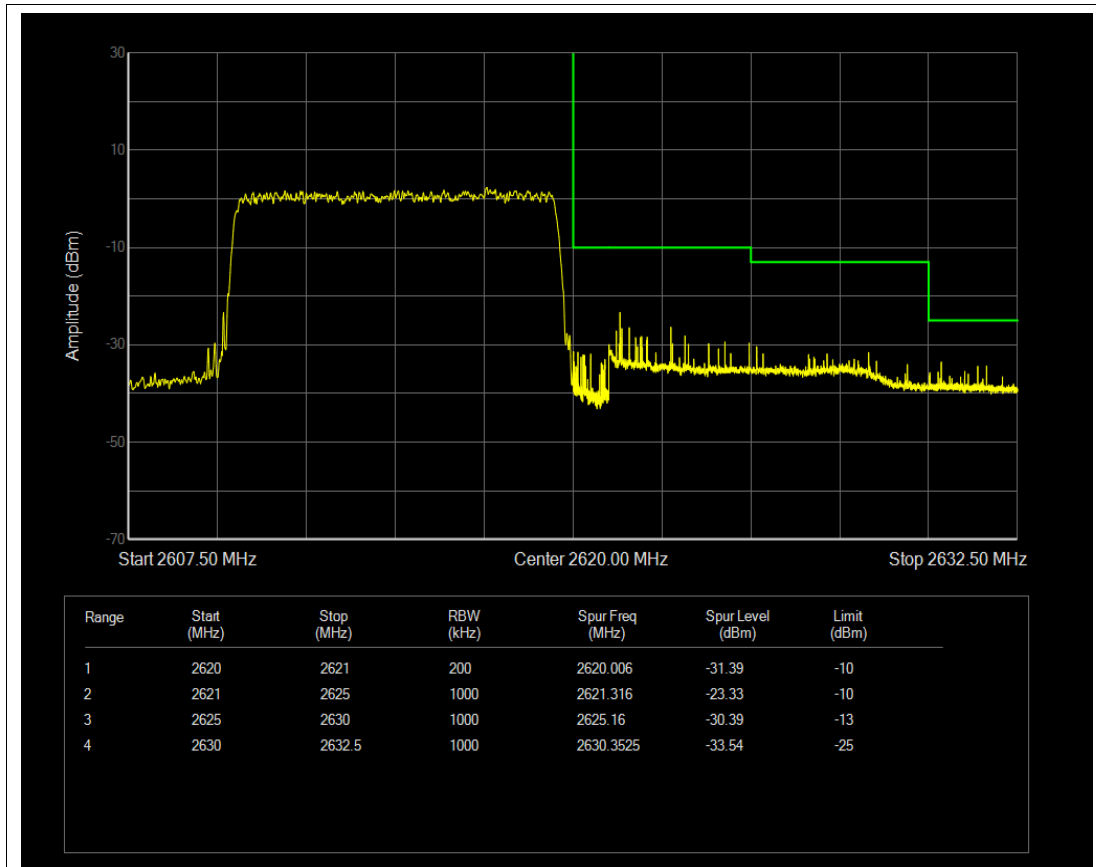
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2559.0175	-37.58	-25
2	2560	2565	1000	2564.16	-33.32	-13
3	2565	2569	1000	2568.912	-29.4	-10
4	2569	2570	200	2569.968	-27.88	-10

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

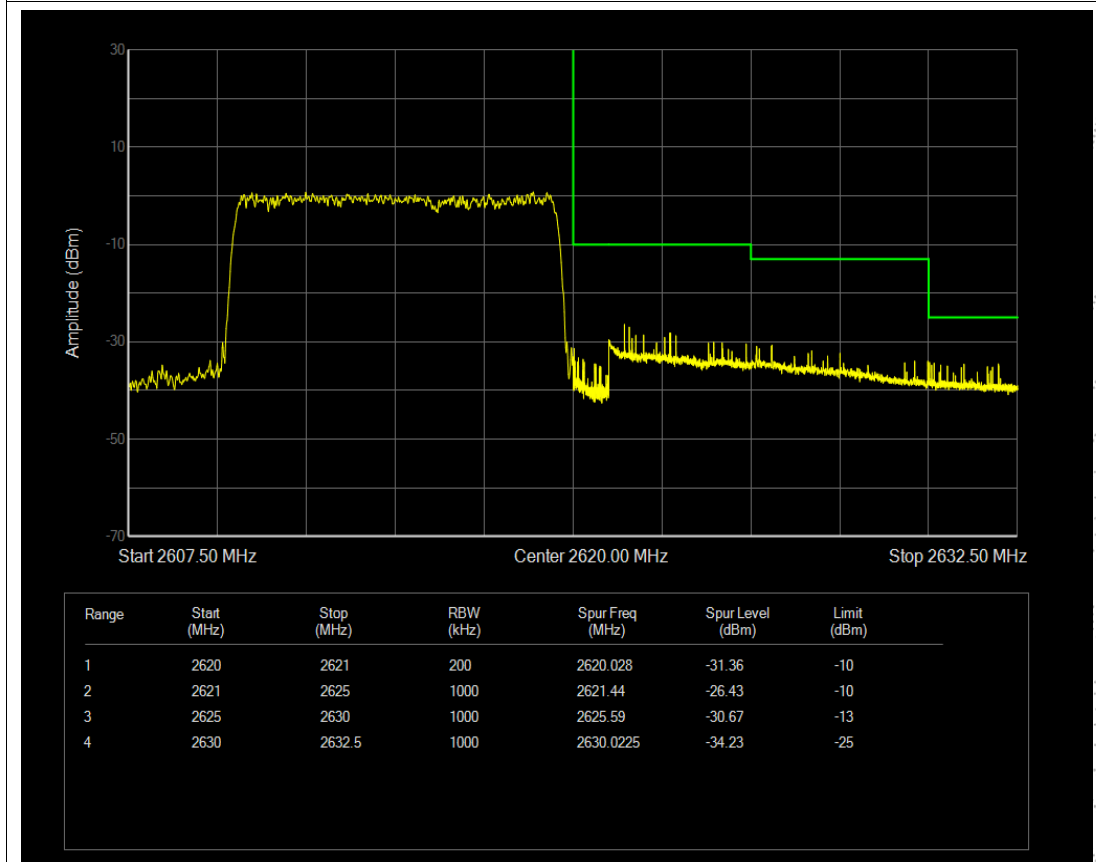


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2559.885	-37.51	-25
2	2560	2565	1000	2564.63	-33.66	-13
3	2565	2569	1000	2568.392	-28.21	-10
4	2569	2570	200	2569.987	-30.57	-10

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



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

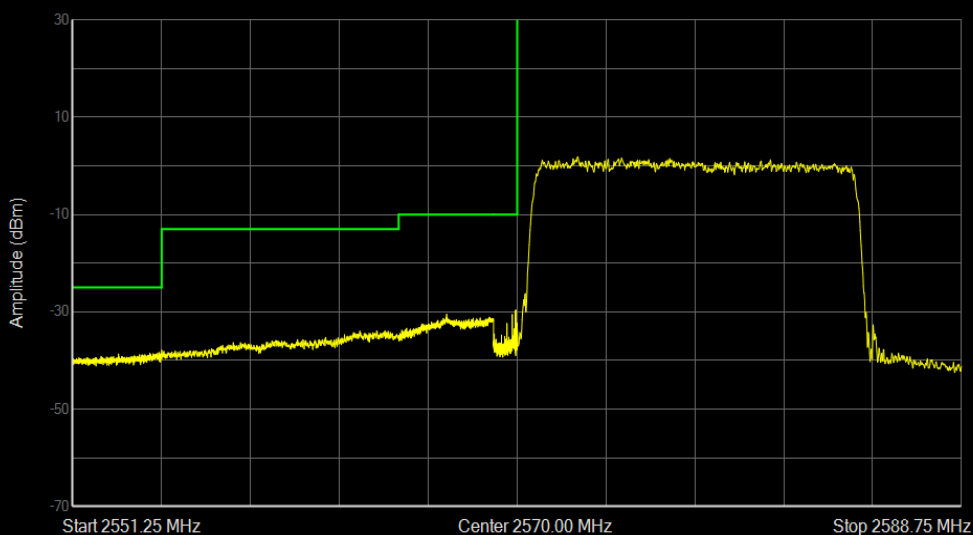


Band38 16QAM BW=10MHz Channel=38200 RB Size=50 Position=#0 NVNT



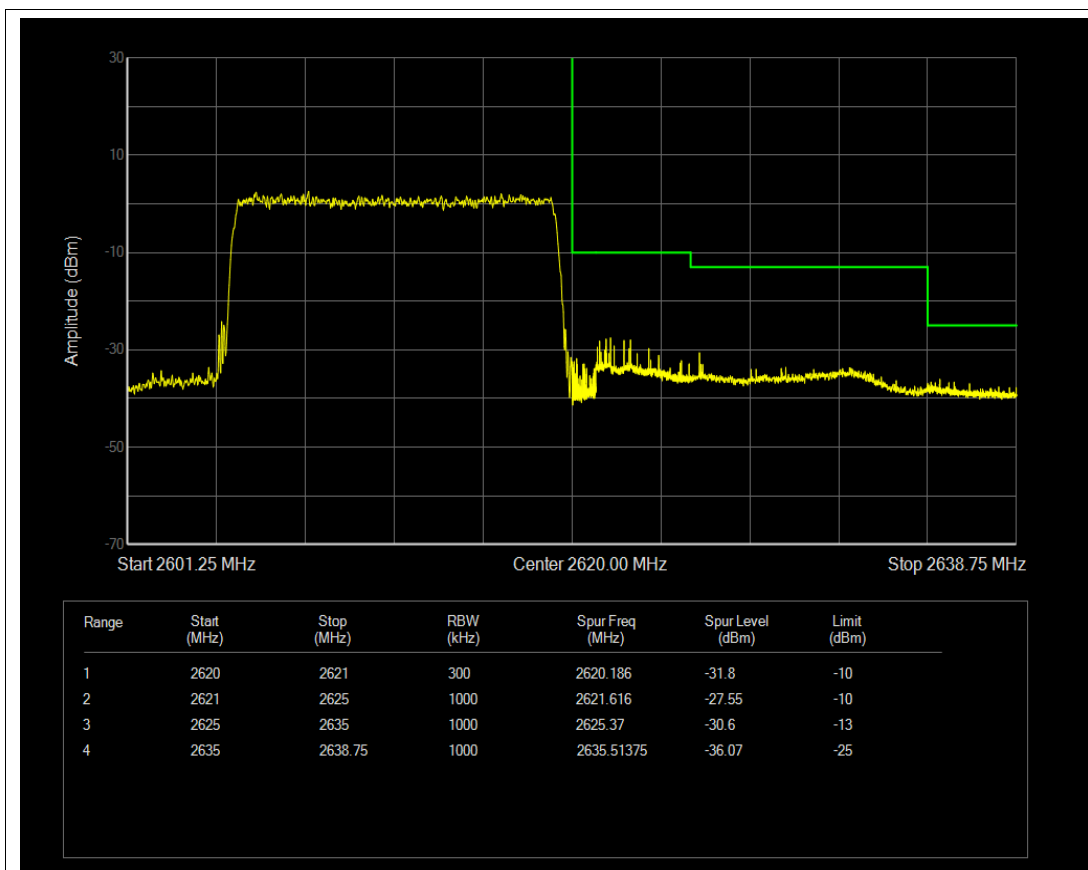
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2554.68875	-37.84	-25
2	2555	2565	1000	2559.53	-34.16	-13
3	2565	2569	1000	2568.884	-30.97	-10
4	2569	2570	300	2569.882	-31.04	-10

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

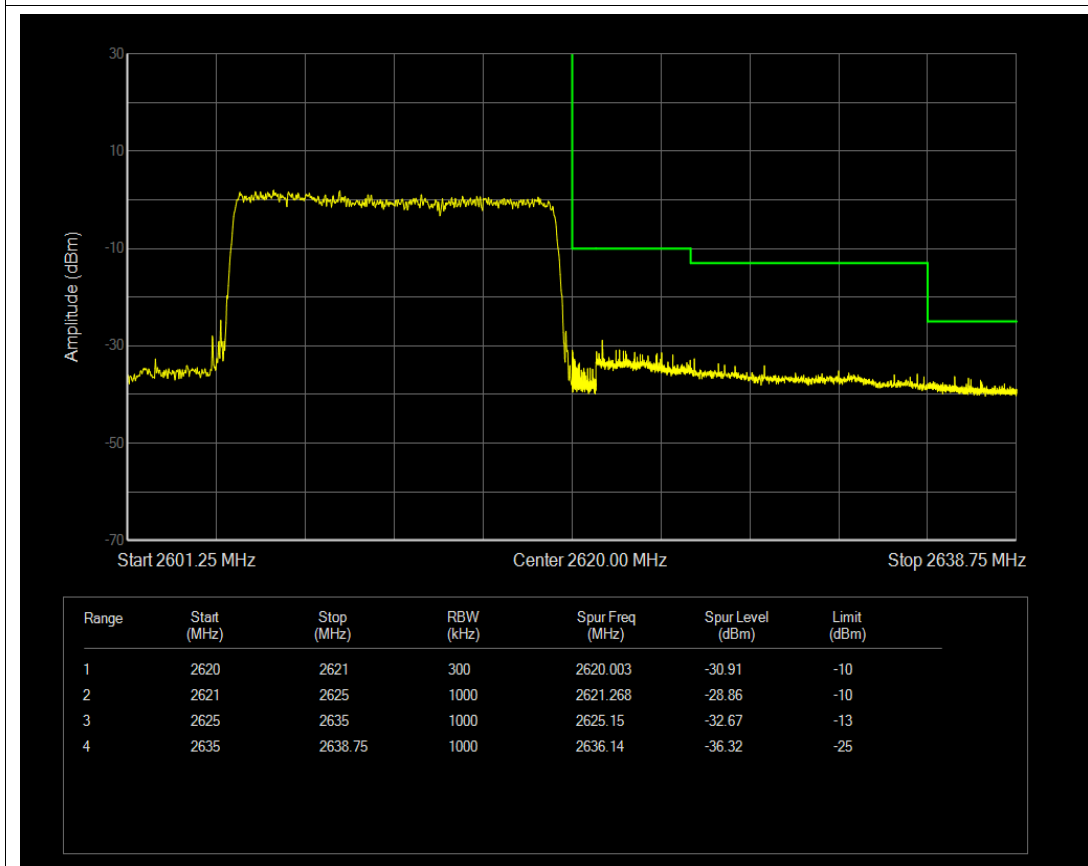


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2554.88375	-38.35	-25
2	2555	2565	1000	2564.42	-33.91	-13
3	2565	2569	1000	2567.02	-30.51	-10
4	2569	2570	300	2569.938	-29.63	-10

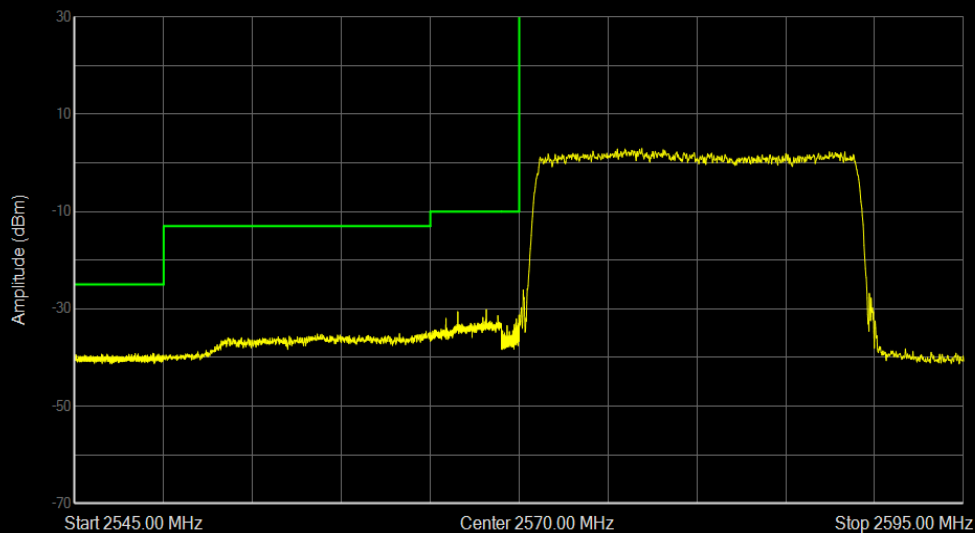
Band38 16QAM BW=15MHz Channel=37825 RB Size=75 Position=#0 NVNT



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



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



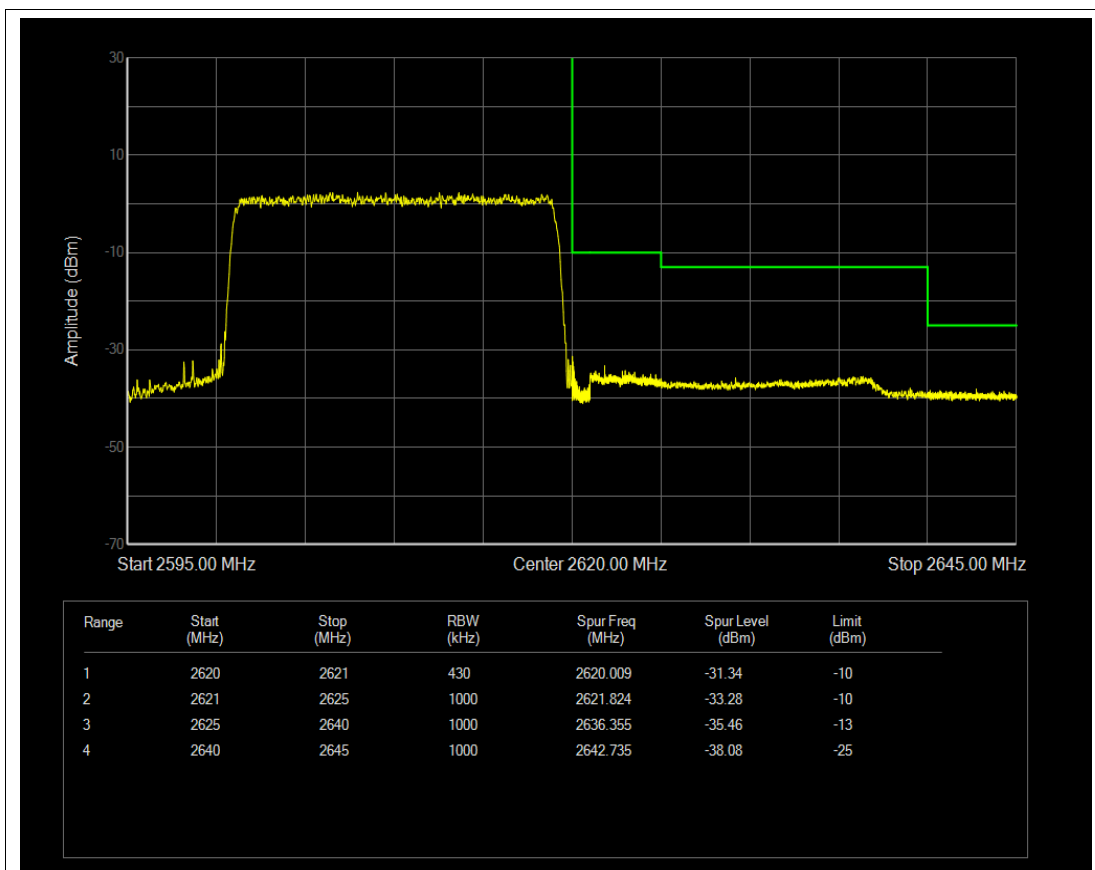
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2549.39	-39.13	-25
2	2550	2565	1000	2564.76	-34.66	-13
3	2565	2569	1000	2568.148	-30.16	-10
4	2569	2570	430	2569.989	-31.28	-10

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

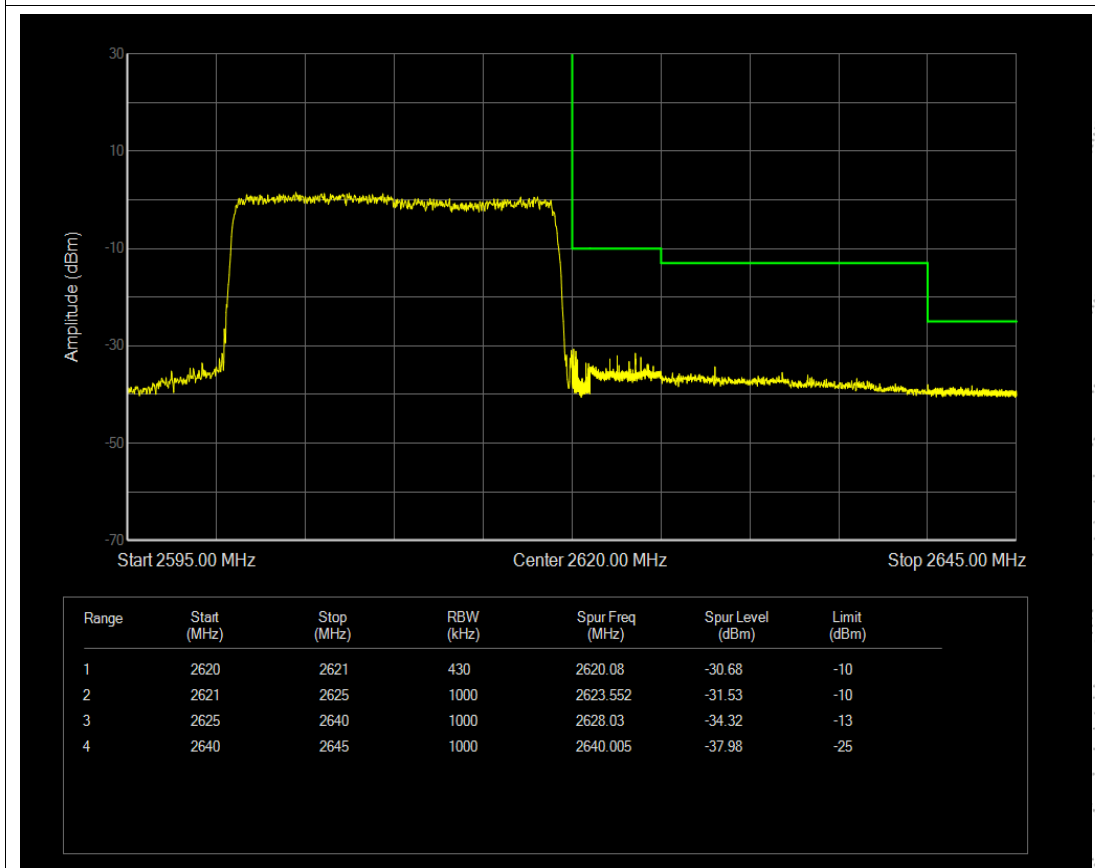


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2549.655	-39.36	-25
2	2550	2565	1000	2563.26	-34.36	-13
3	2565	2569	1000	2568.624	-32.09	-10
4	2569	2570	430	2569.955	-31.39	-10

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



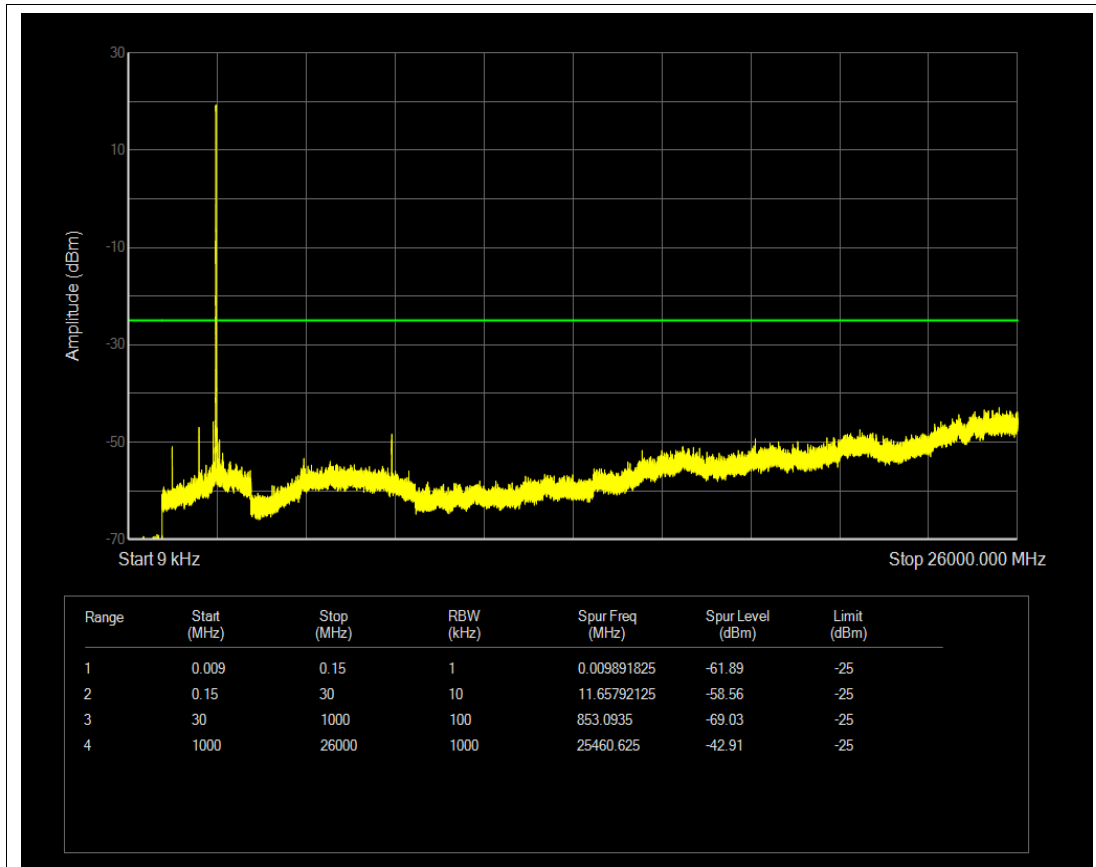
Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0 NVNT



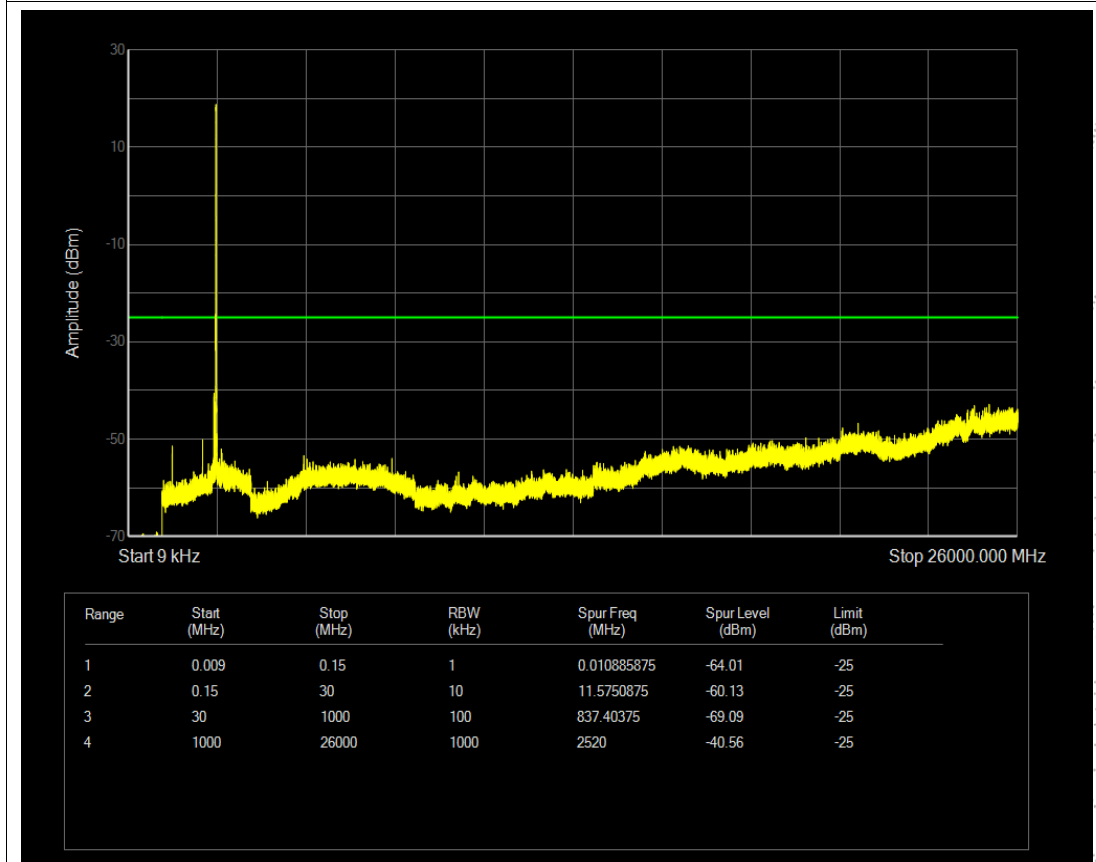
Band38 16QAM BW=20MHz Channel=38150 RB Size=100 Position=#0 NVNT

Appendix 6. Out-of-band emissions

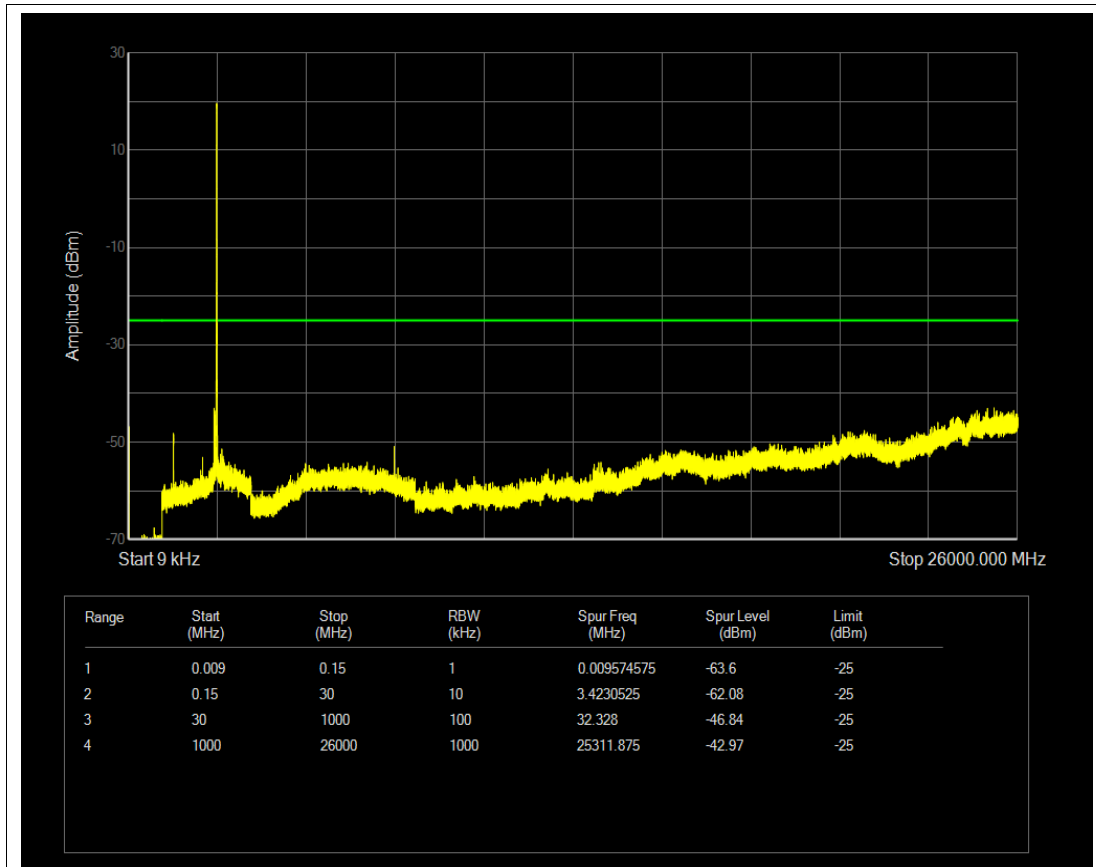
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band38	5	37775	25	#0	QPSK	25460.63	-42.91	-25	PASS
Band38	5	37775	25	#0	16QAM	2520.00	-40.56	-25	PASS
Band38	5	38000	25	#0	QPSK	25311.88	-42.97	-25	PASS
Band38	5	38000	25	#0	16QAM	25741.88	-43.33	-25	PASS
Band38	5	38225	25	#0	QPSK	2652.50	-33.37	-25	PASS
Band38	5	38225	25	#0	16QAM	2545.00	-37.92	-25	PASS
Band38	10	37800	50	#0	QPSK	2497.50	-30.16	-25	PASS
Band38	10	37800	50	#0	16QAM	2668.13	-39.27	-25	PASS
Band38	10	38000	50	#0	QPSK	2495.00	-29.55	-25	PASS
Band38	10	38000	50	#0	16QAM	2500.63	-32.37	-25	PASS
Band38	10	38200	50	#0	QPSK	2690.00	-27.97	-25	PASS
Band38	10	38200	50	#0	16QAM	2478.13	-36.58	-25	PASS
Band38	15	37825	75	#0	QPSK	2485.63	-32.64	-25	PASS
Band38	15	37825	75	#0	16QAM	2705.63	-32.58	-25	PASS
Band38	15	38000	75	#0	QPSK	2504.38	-27.70	-25	PASS
Band38	15	38000	75	#0	16QAM	2701.25	-34.42	-25	PASS
Band38	15	38175	75	#0	QPSK	2696.25	-31.60	-25	PASS
Band38	15	38175	75	#0	16QAM	2490.00	-32.16	-25	PASS
Band38	20	37850	100	#0	QPSK	2488.13	-30.03	-25	PASS
Band38	20	37850	100	#0	16QAM	2731.25	-40.37	-25	PASS
Band38	20	38000	100	#0	QPSK	2759.38	-38.86	-25	PASS
Band38	20	38000	100	#0	16QAM	2481.88	-30.56	-25	PASS
Band38	20	38150	100	#0	QPSK	2773.13	-41.51	-25	PASS
Band38	20	38150	100	#0	16QAM	2701.25	-27.81	-25	PASS



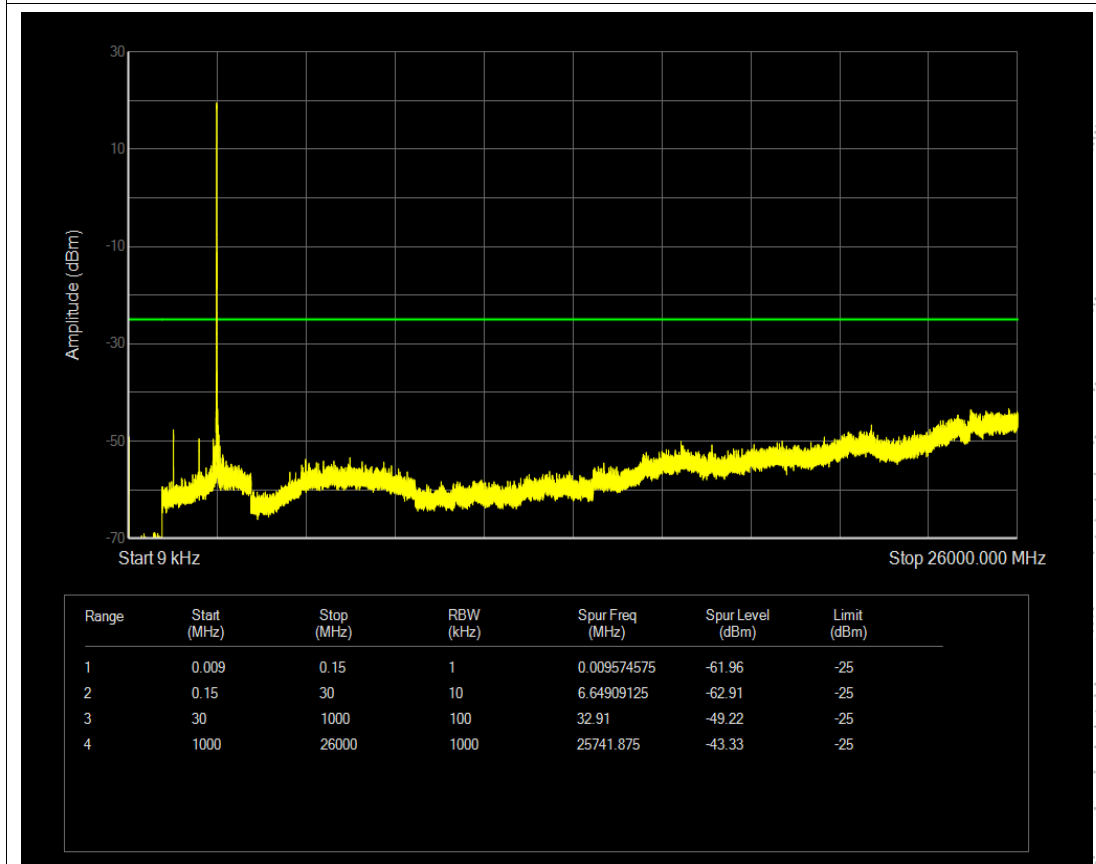
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0 NVNT



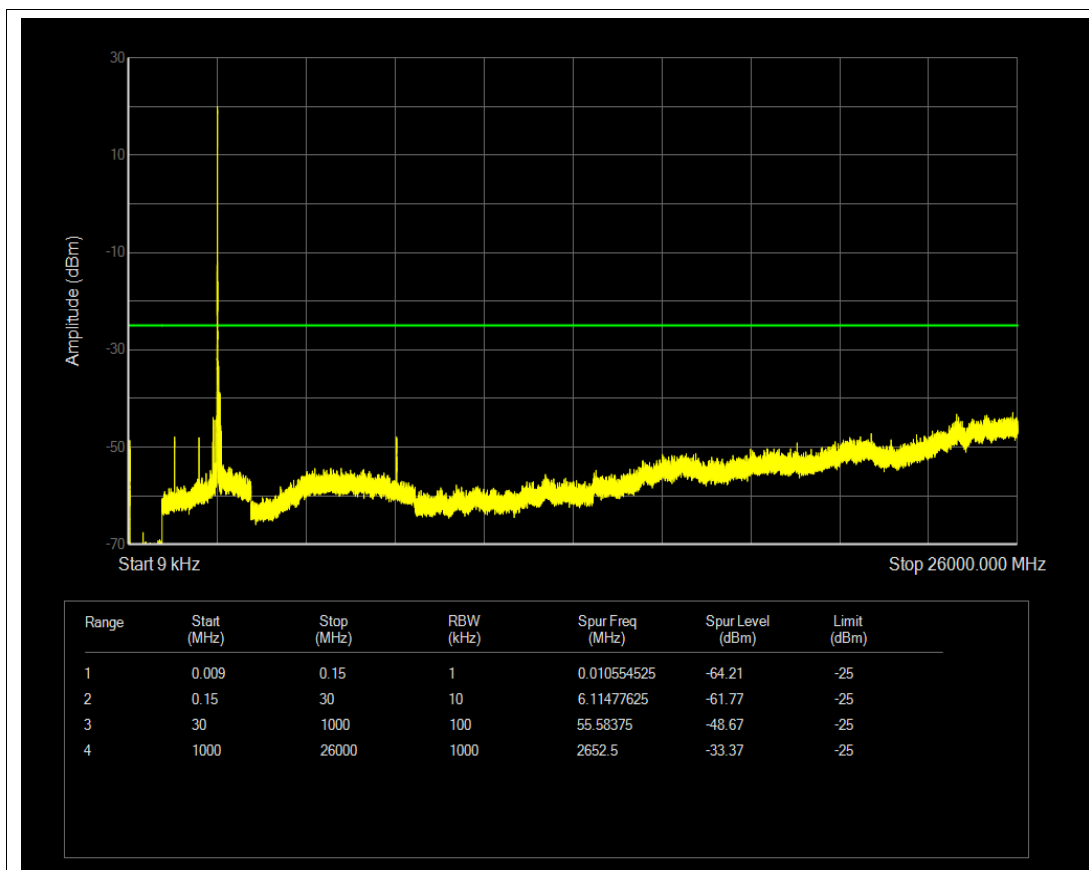
Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0 NVNT



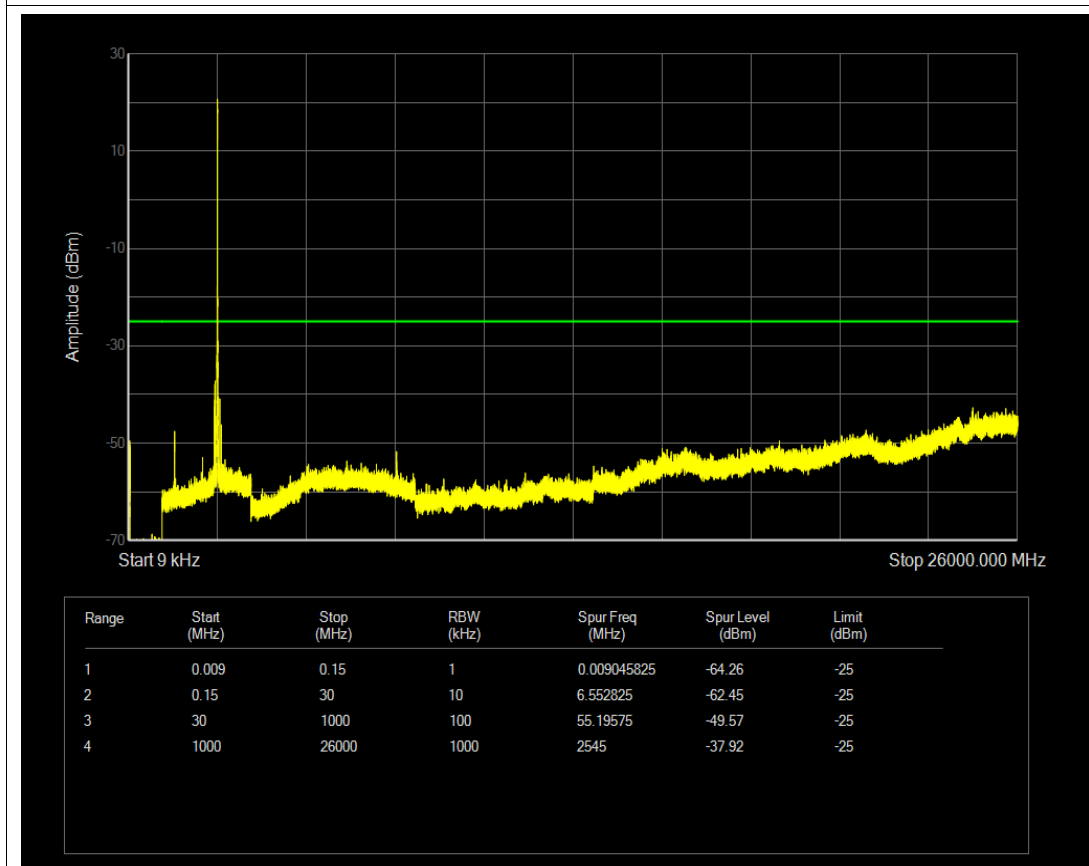
Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0 NVNT



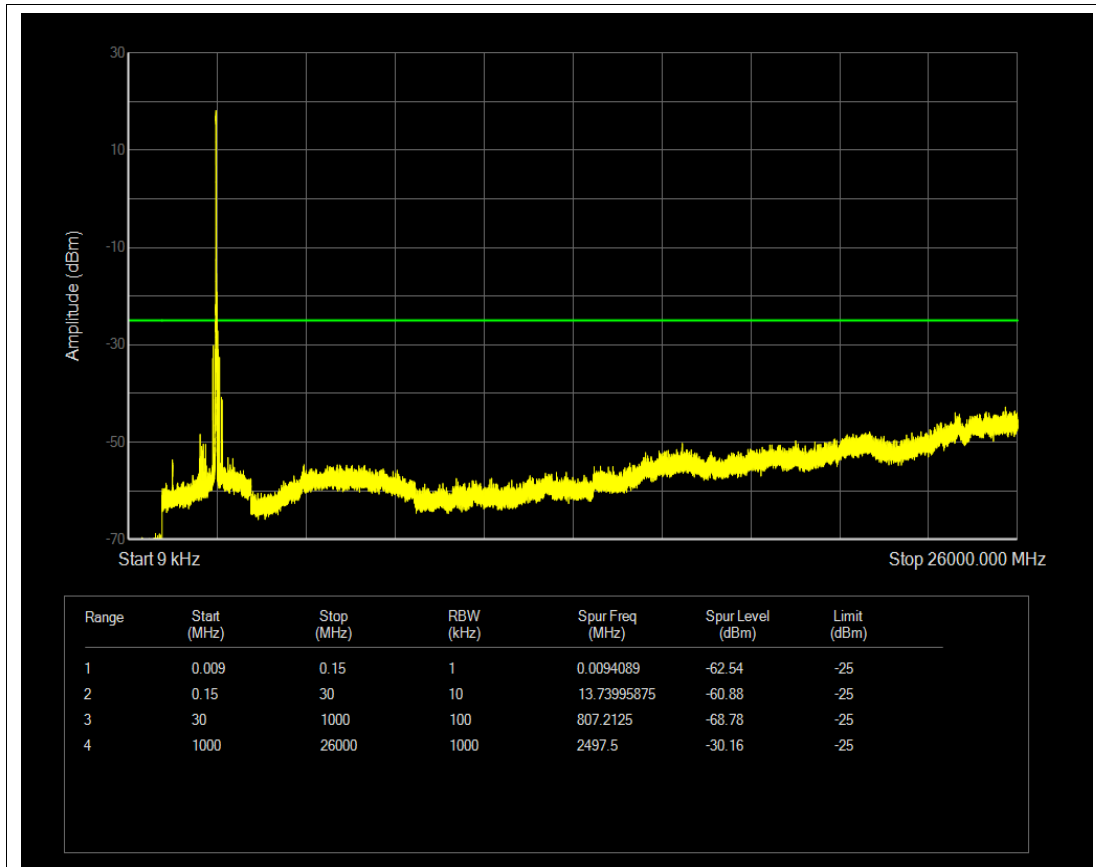
Band38 16QAM BW=5MHz Channel=38000 RB Size=25 Position=#0 NVNT



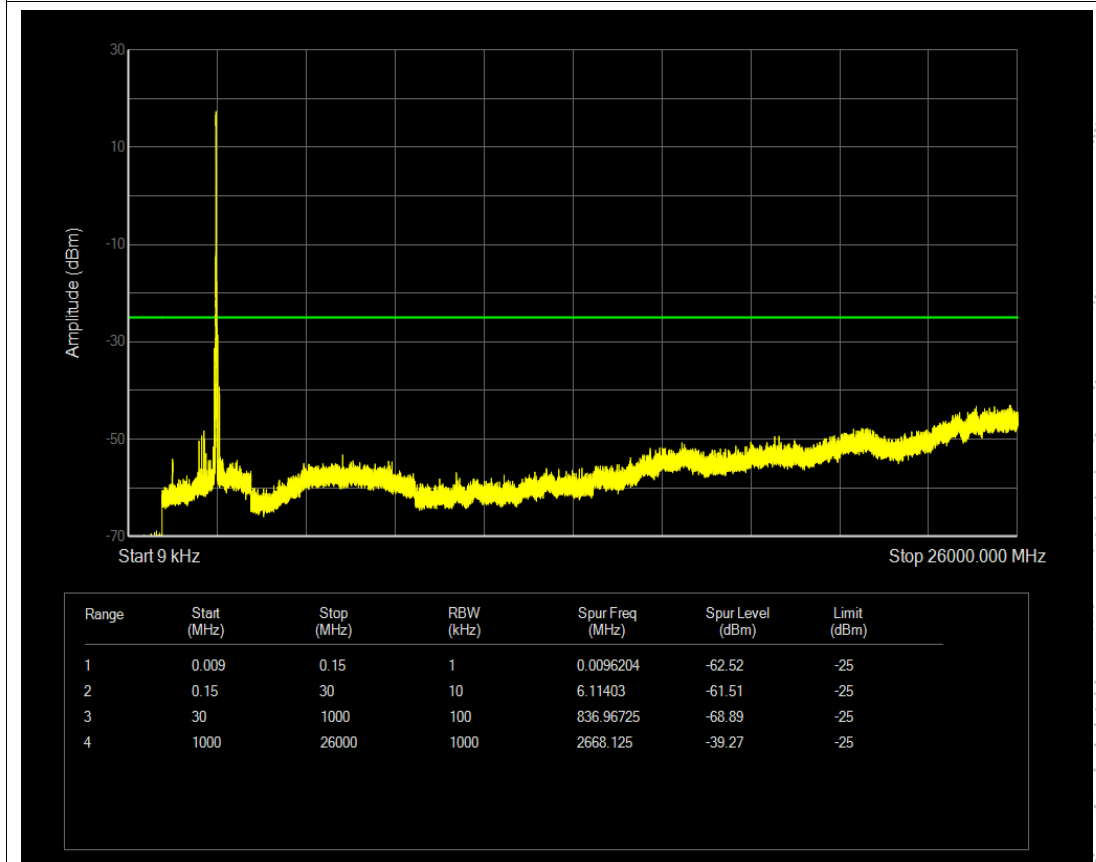
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0 NVNT



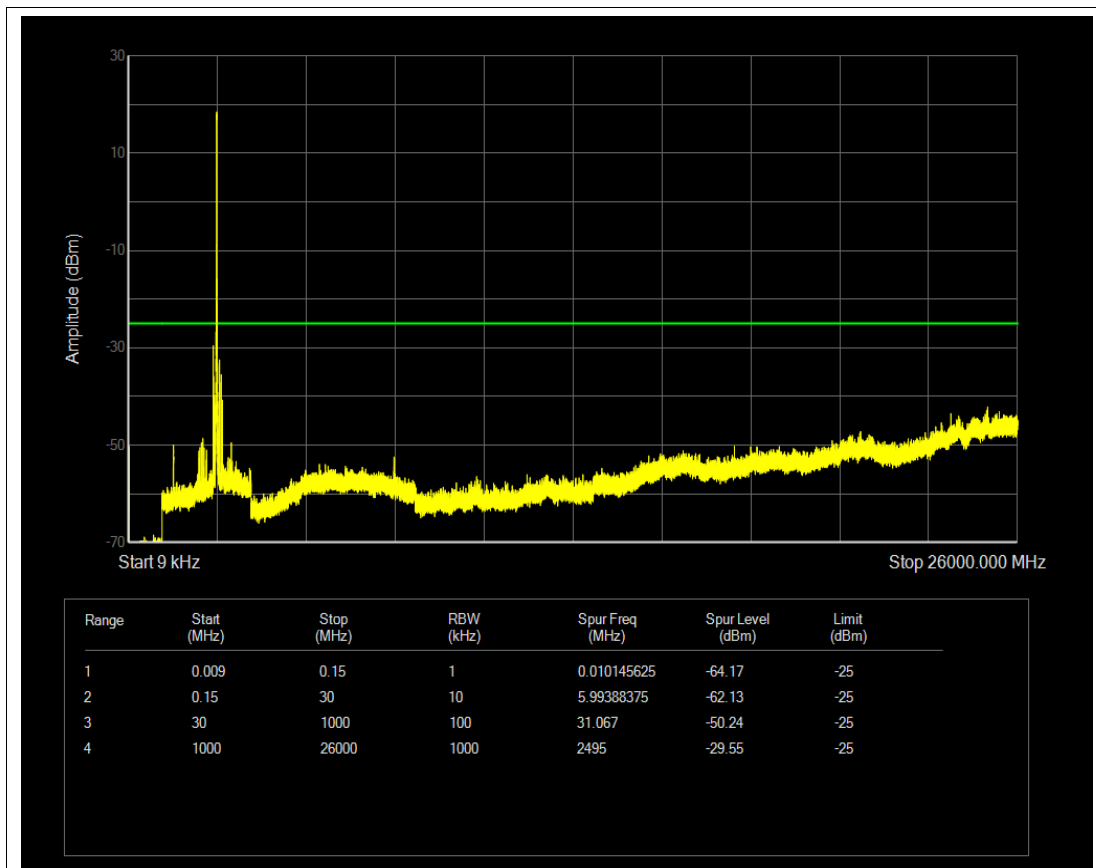
Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0 NVNT



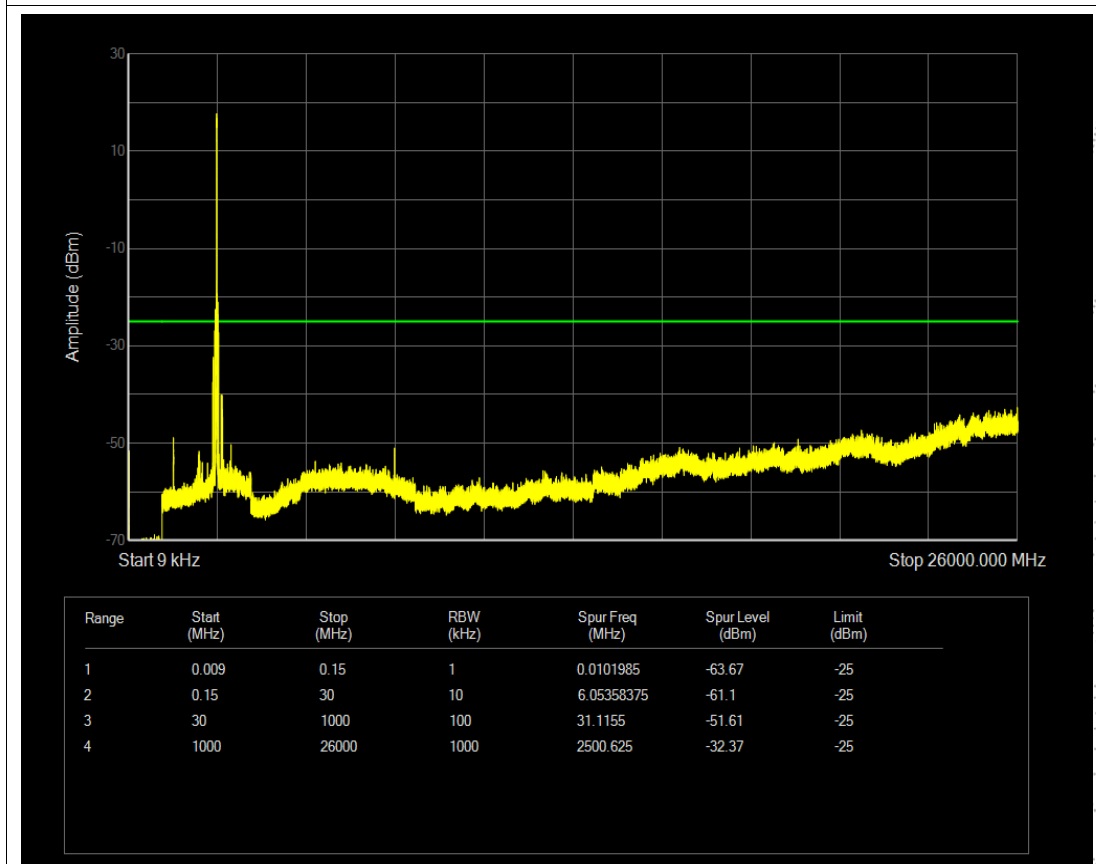
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0 NVNT



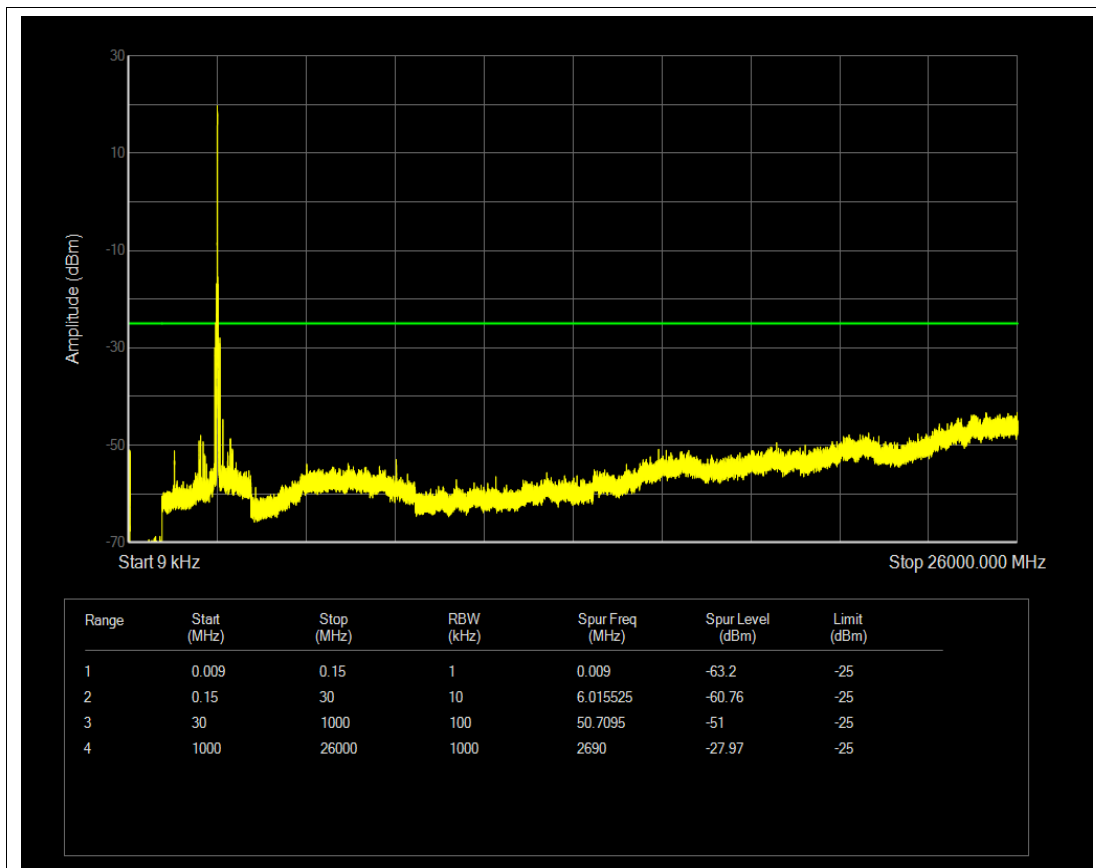
Band38 16QAM BW=10MHz Channel=37800 RB Size=50 Position=#0 NVNT



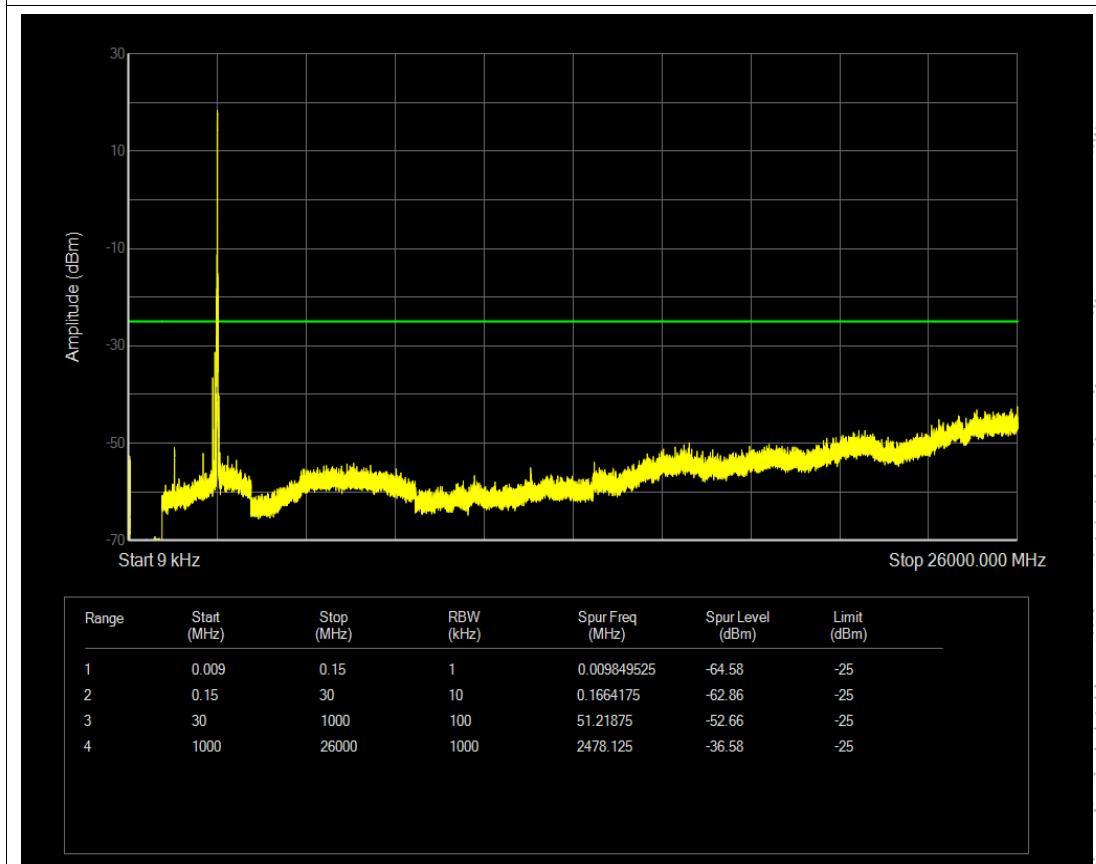
Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0 NVNT



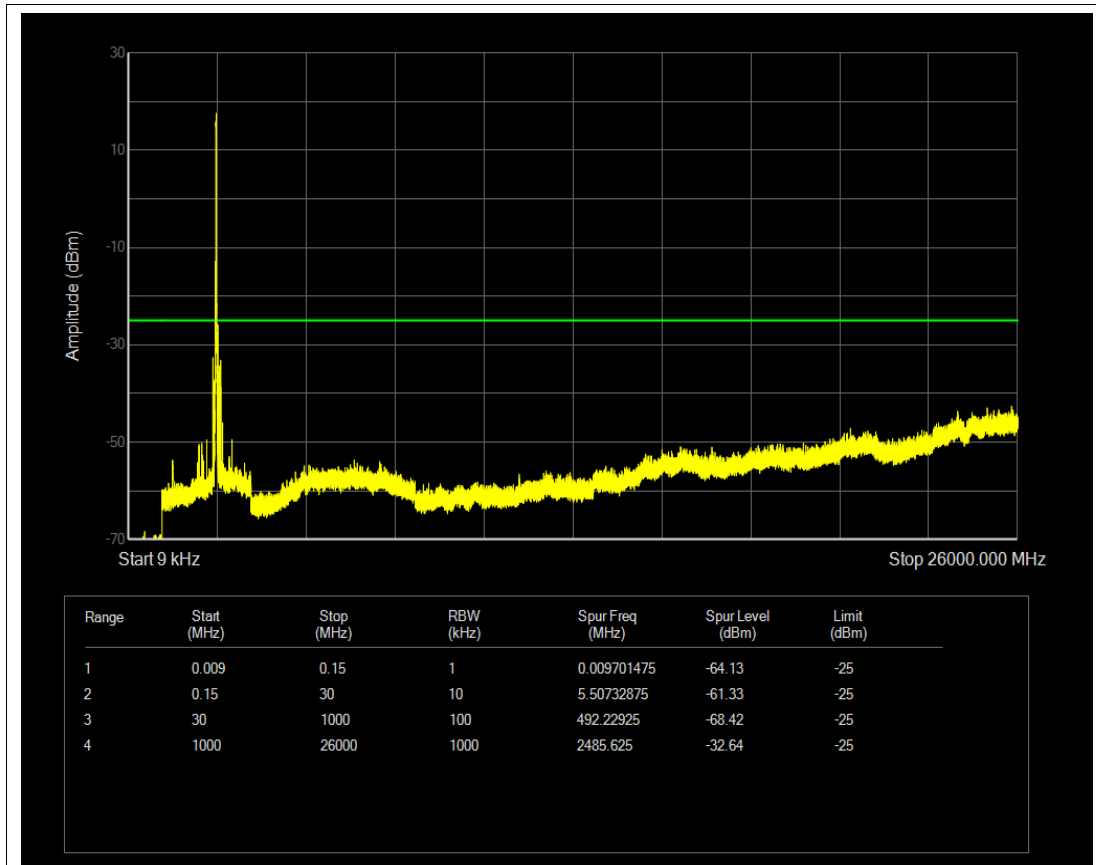
Band38 16QAM BW=10MHz Channel=38000 RB Size=50 Position=#0 NVNT



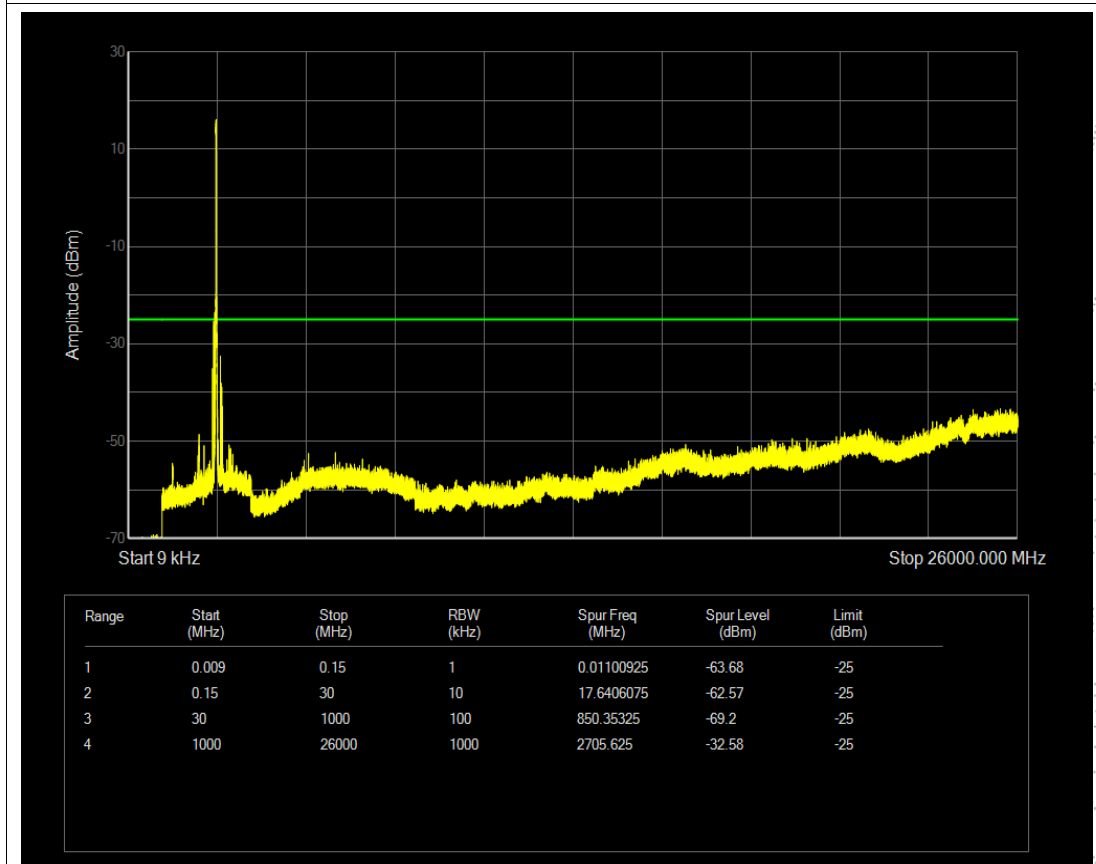
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0 NVNT



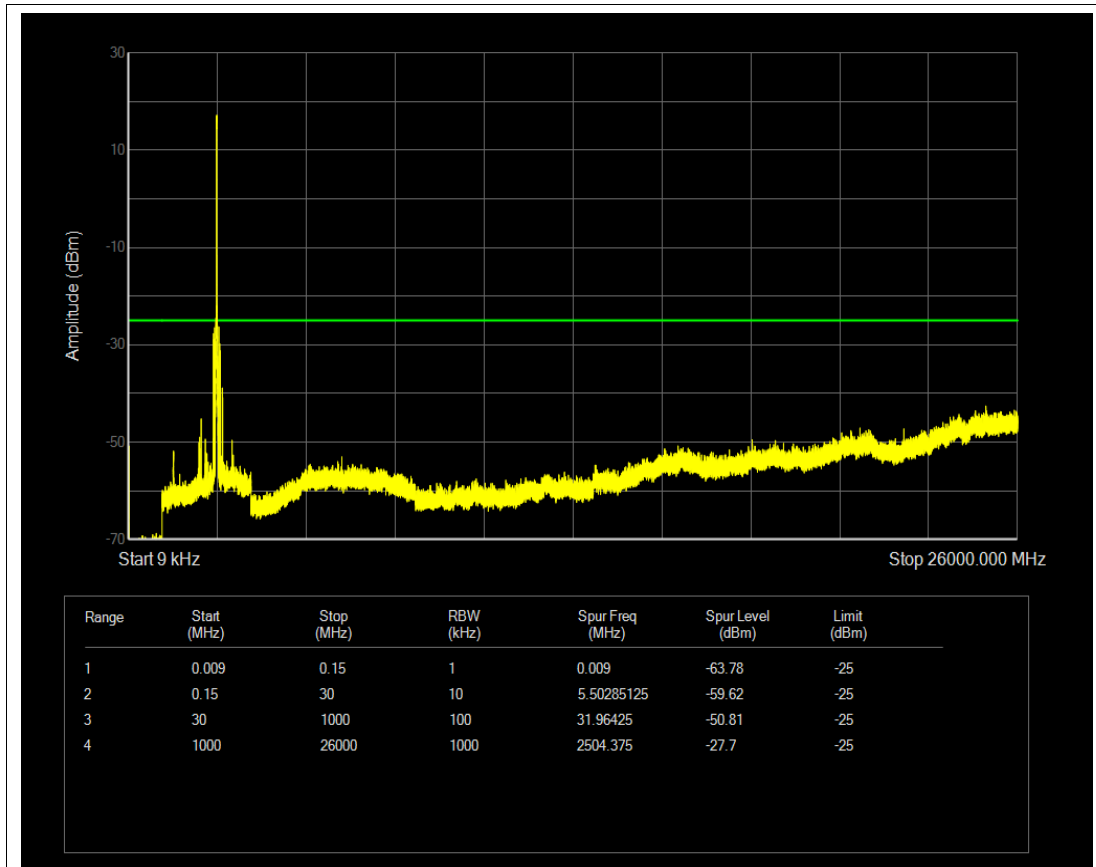
Band38 16QAM BW=10MHz Channel=38200 RB Size=50 Position=#0 NVNT



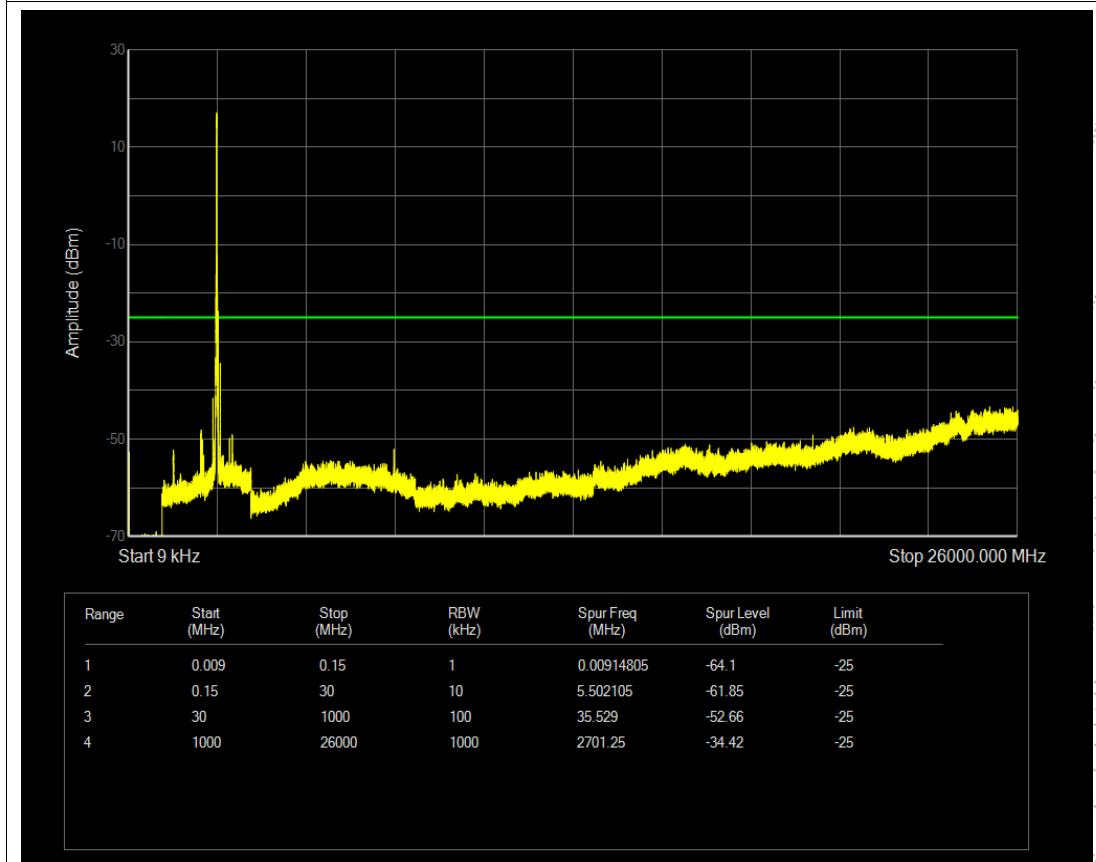
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0 NVNT



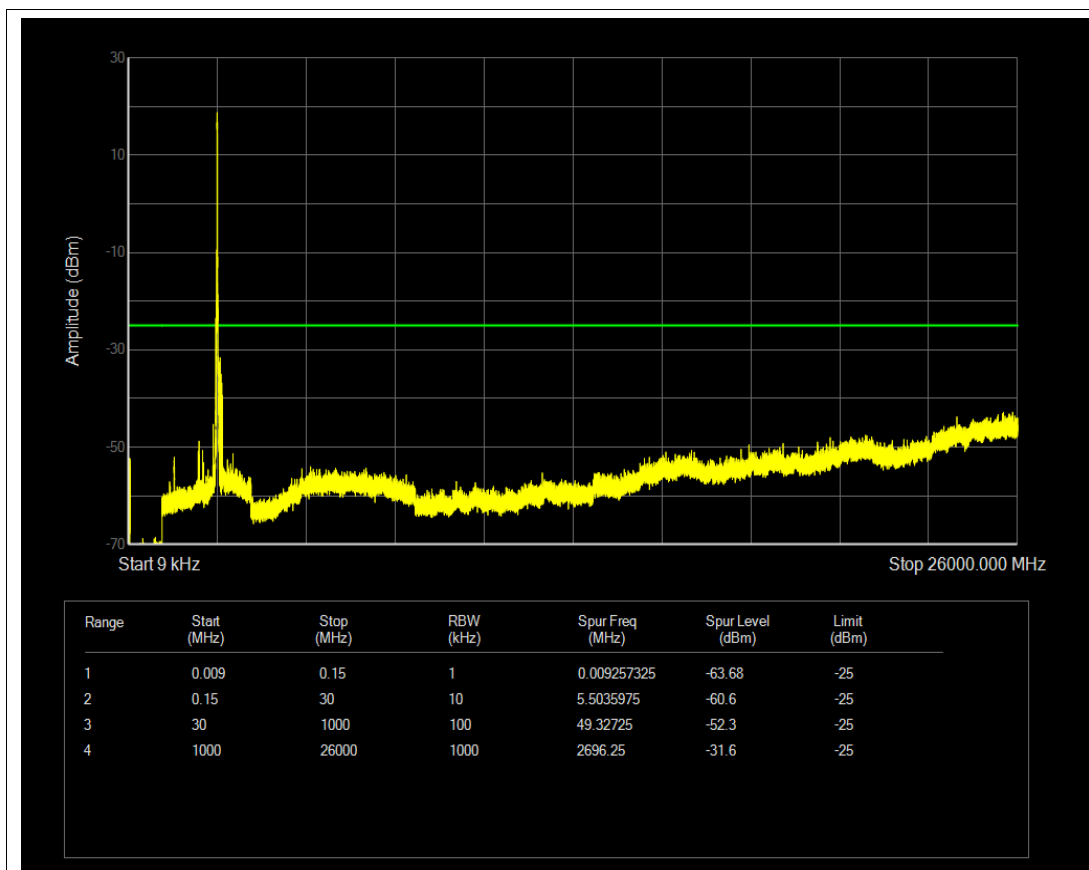
Band38 16QAM BW=15MHz Channel=37825 RB Size=75 Position=#0 NVNT



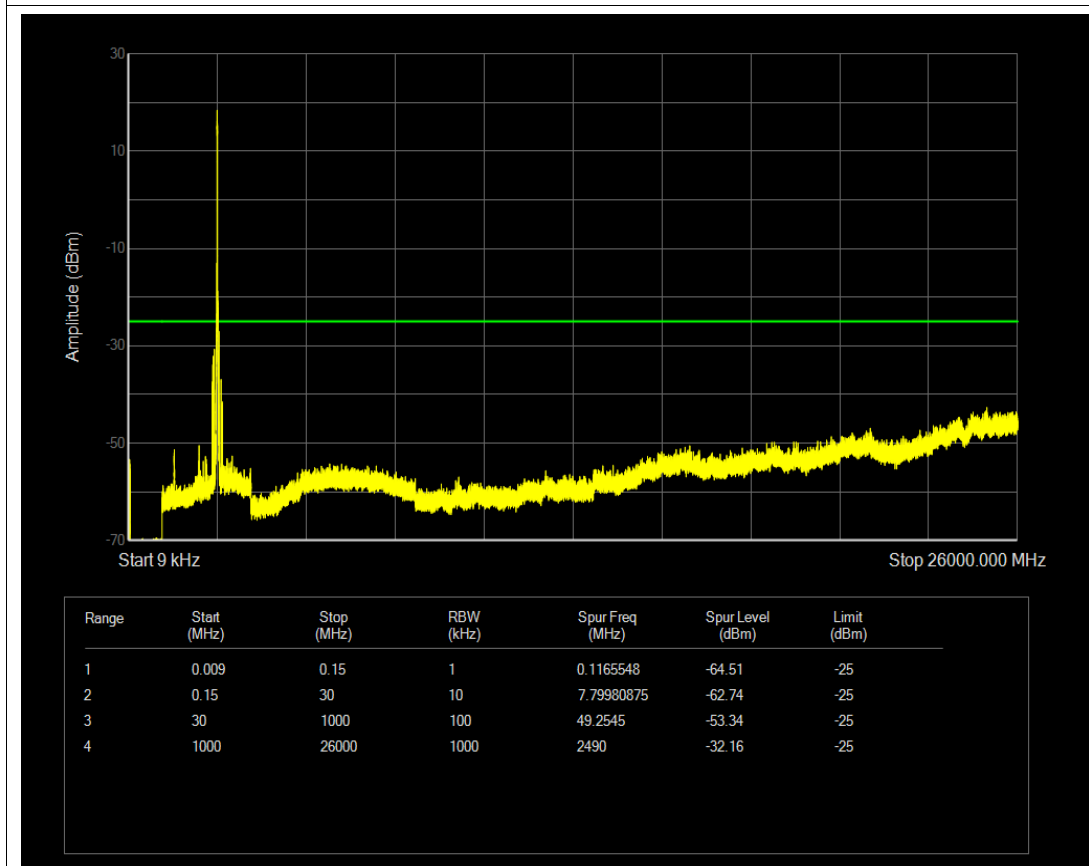
Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0 NVNT



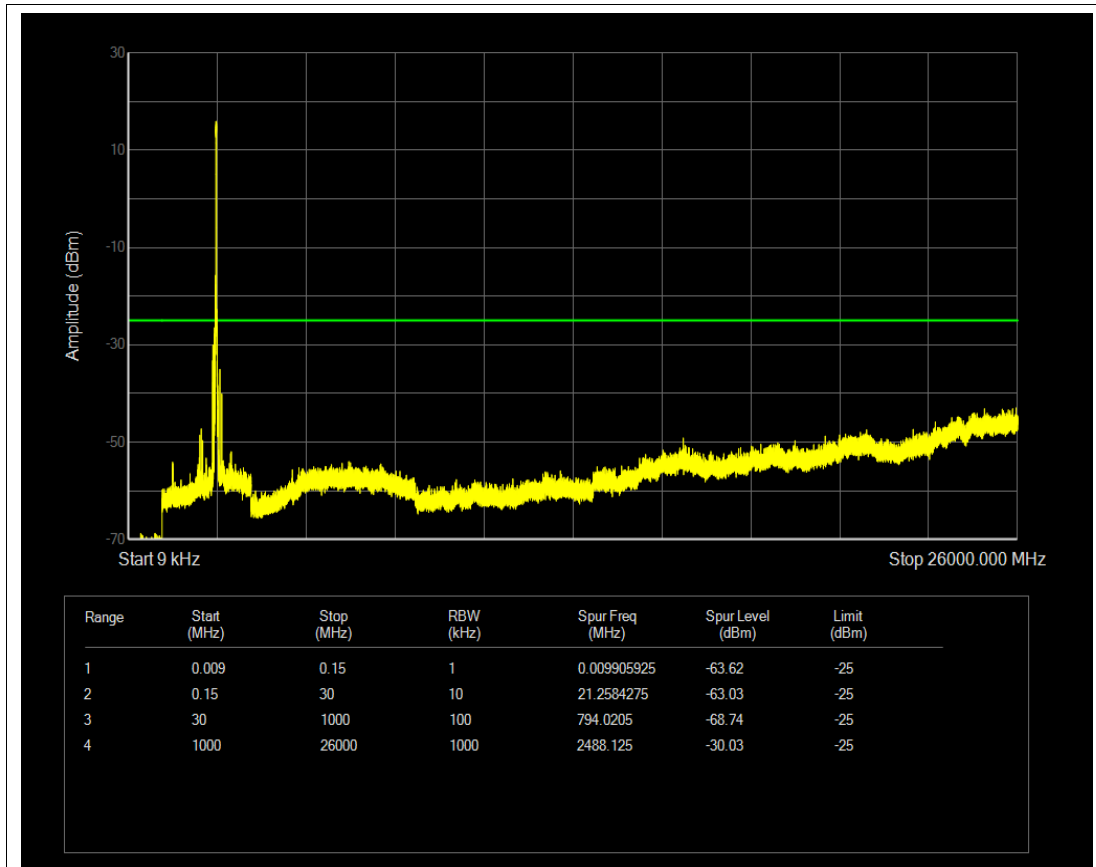
Band38 16QAM BW=15MHz Channel=38000 RB Size=75 Position=#0 NVNT



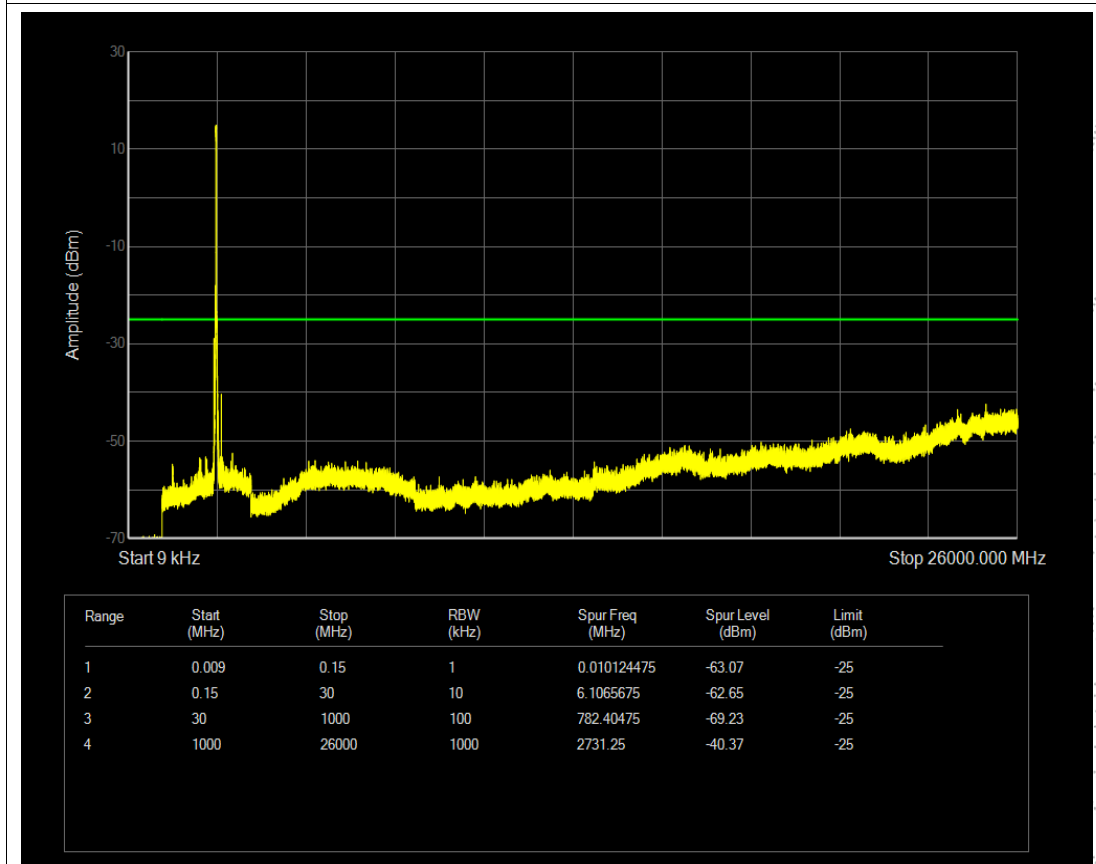
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0 NVNT



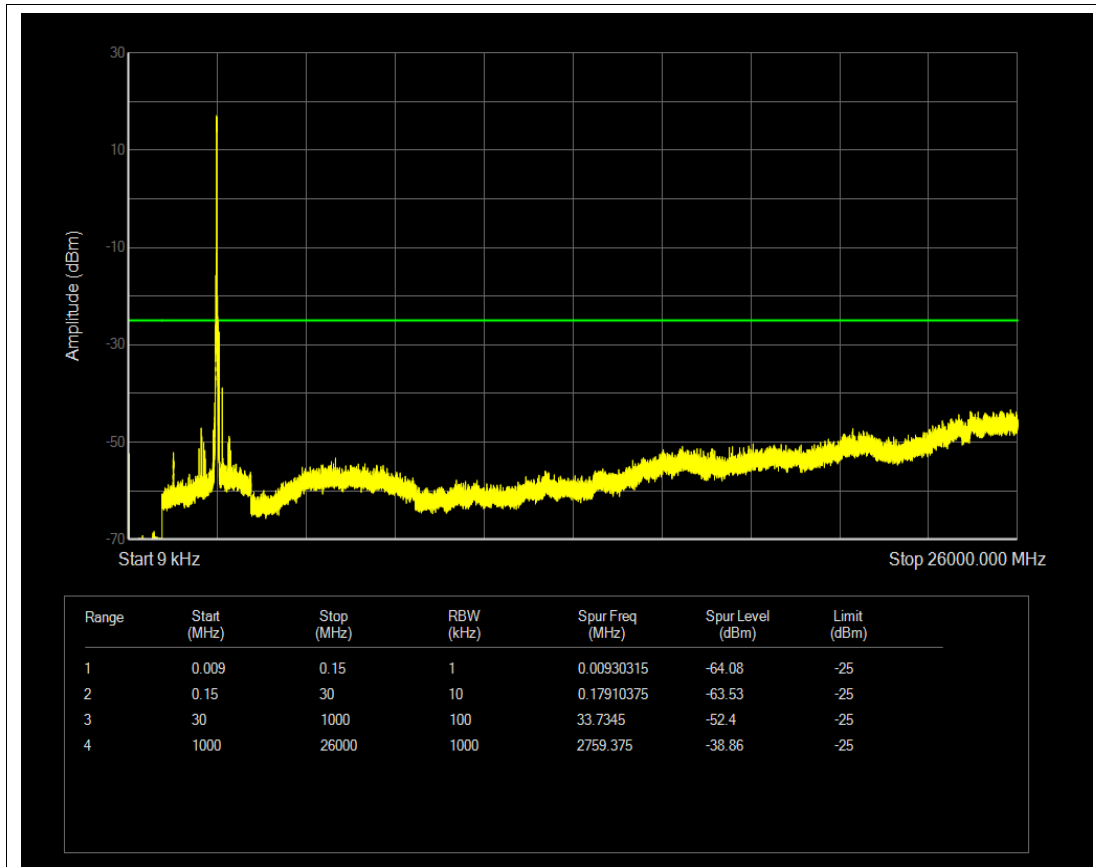
Band38 16QAM BW=15MHz Channel=38175 RB Size=75 Position=#0 NVNT



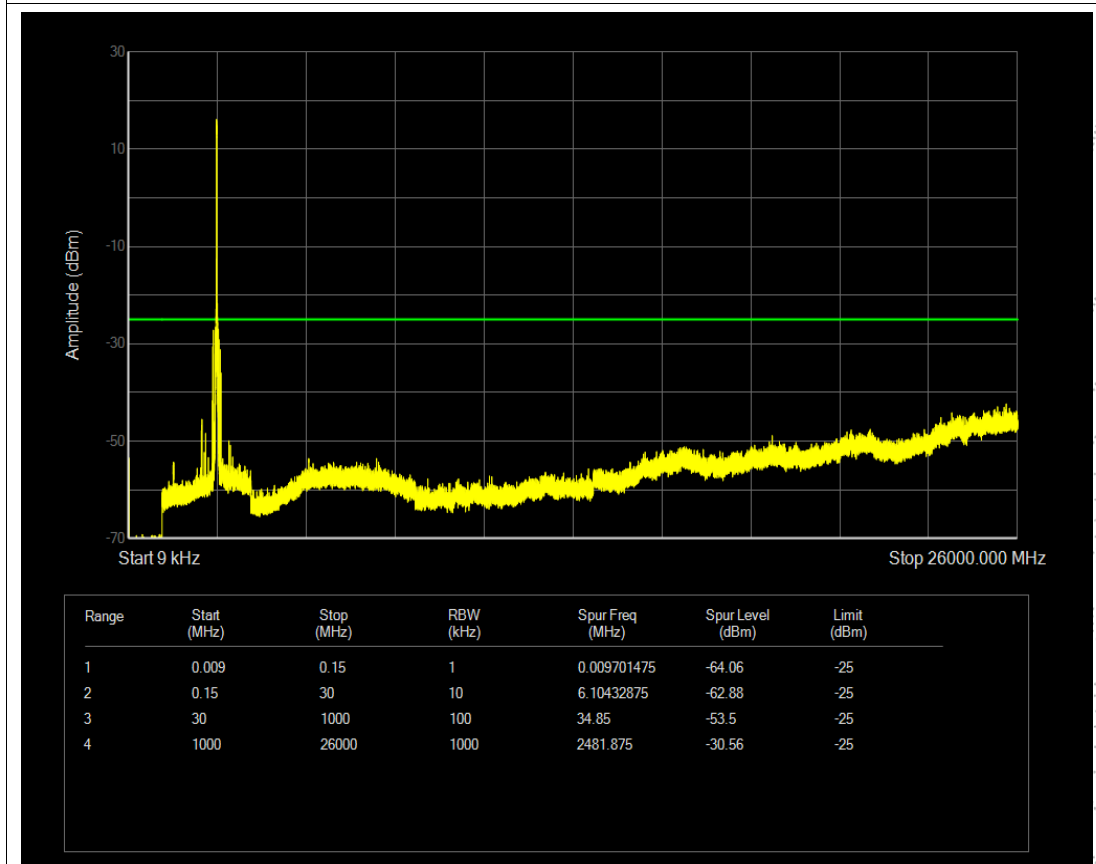
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0 NVNT



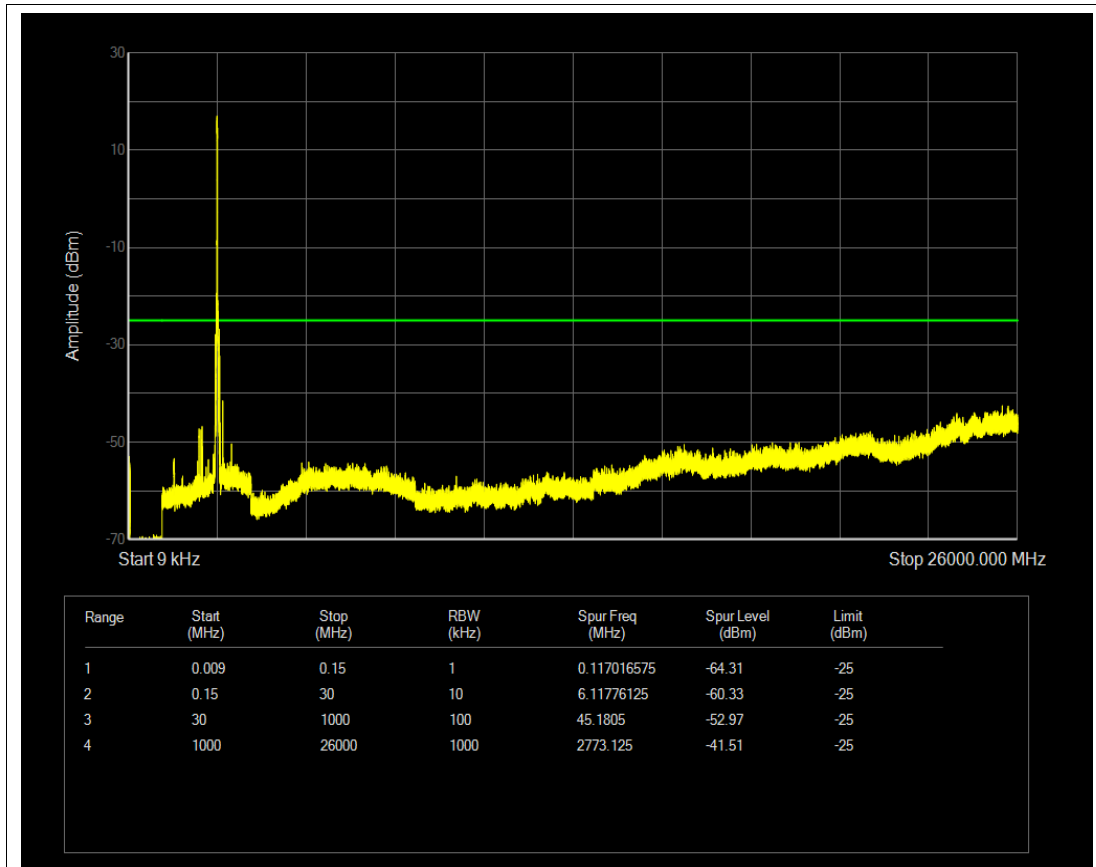
Band38 16QAM BW=20MHz Channel=37850 RB Size=100 Position=#0 NVNT



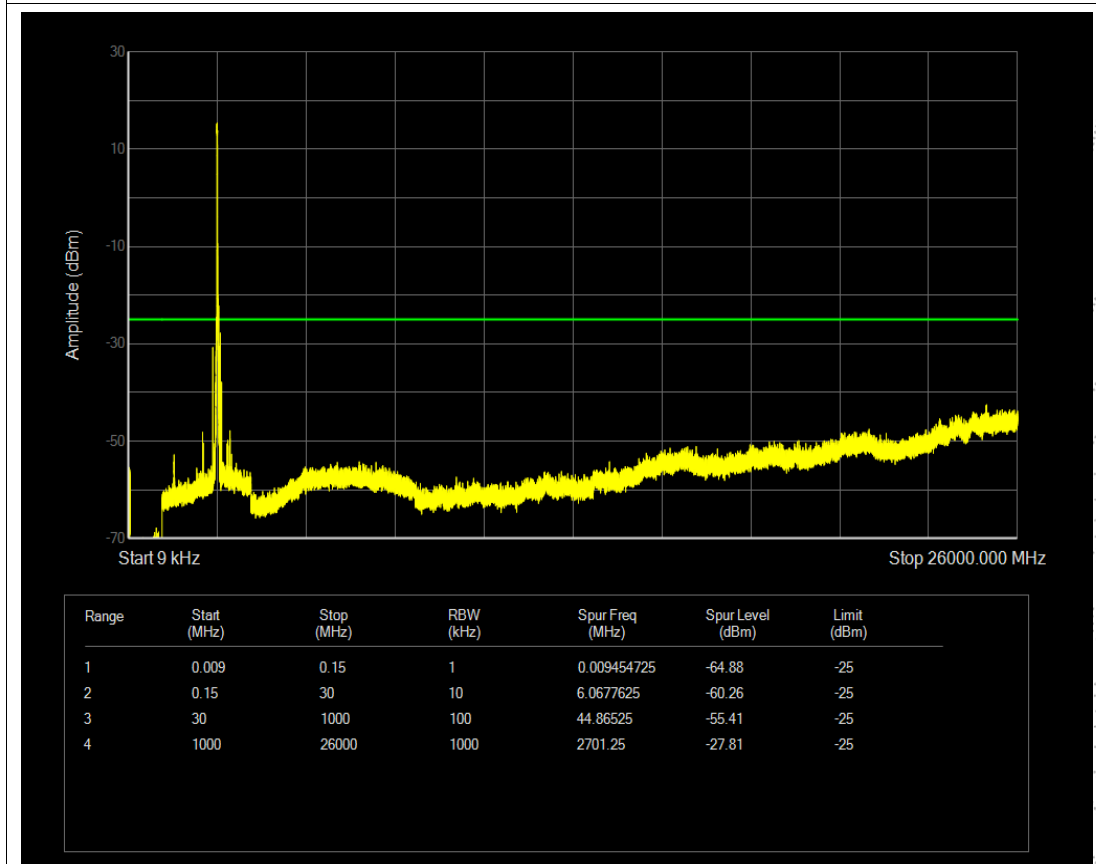
Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0 NVNT



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



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



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