

Appendix for Band 2

Report No.: BCTC2504135595-3E

Applicant: Shanghai TUGE Data Technologies Co., Ltd.

Product Name: Smart IoT 4G Router

Test Model: TR40

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

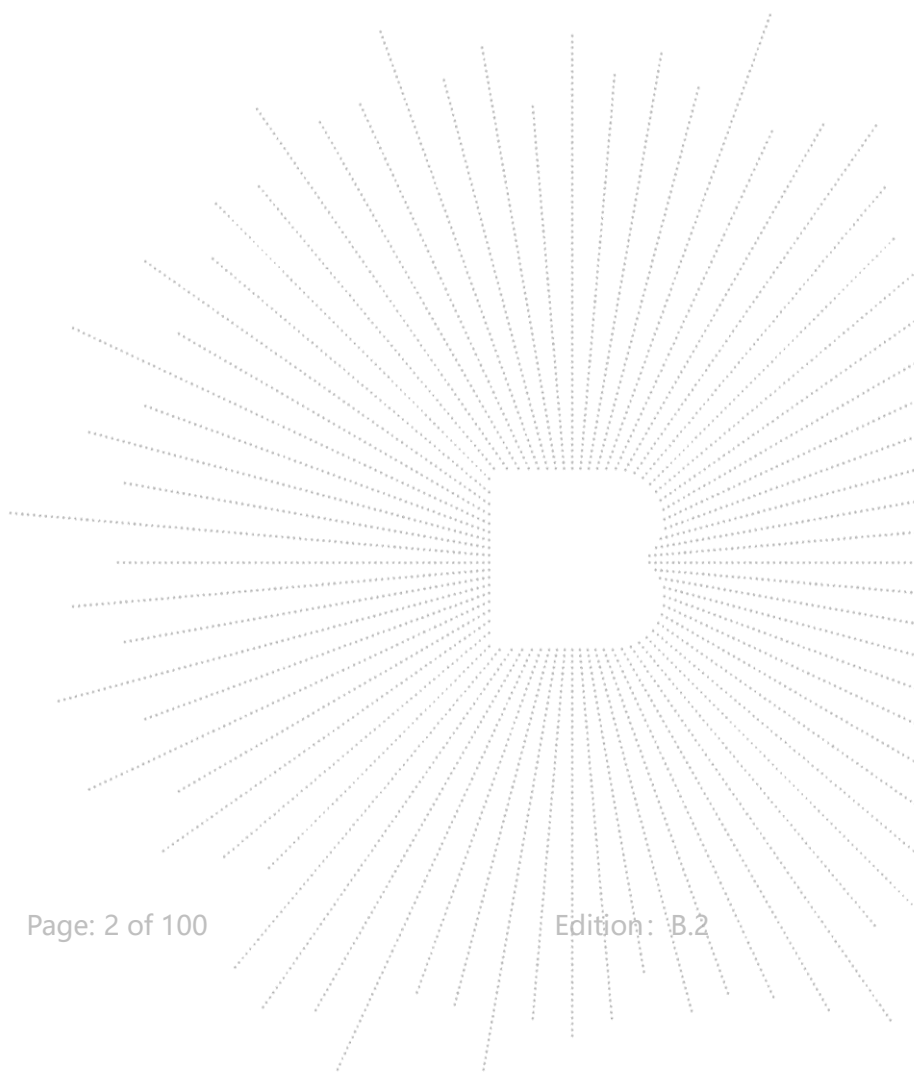
Issued Date: 2025-05-22

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
Band2	1.4	18607	1	#0	QPSK	23.27	PASS
Band2	1.4	18607	1	#Mid	QPSK	23.33	PASS
Band2	1.4	18607	1	#Max	QPSK	23.25	PASS
Band2	1.4	18607	3	#0	QPSK	22.93	PASS
Band2	1.4	18607	3	#Mid	QPSK	23.03	PASS
Band2	1.4	18607	3	#Max	QPSK	22.94	PASS
Band2	1.4	18607	6	#0	QPSK	22.02	PASS
Band2	1.4	18607	1	#0	16QAM	23.16	PASS
Band2	1.4	18607	1	#Mid	16QAM	23.16	PASS
Band2	1.4	18607	1	#Max	16QAM	23.16	PASS
Band2	1.4	18607	3	#0	16QAM	22.27	PASS
Band2	1.4	18607	3	#Mid	16QAM	22.29	PASS
Band2	1.4	18607	3	#Max	16QAM	22.24	PASS
Band2	1.4	18607	6	#0	16QAM	21.16	PASS
Band2	1.4	18900	1	#0	QPSK	23.07	PASS
Band2	1.4	18900	1	#Mid	QPSK	23.08	PASS
Band2	1.4	18900	1	#Max	QPSK	23.18	PASS
Band2	1.4	18900	3	#0	QPSK	23.18	PASS
Band2	1.4	18900	3	#Mid	QPSK	23.12	PASS
Band2	1.4	18900	3	#Max	QPSK	23.09	PASS
Band2	1.4	18900	6	#0	QPSK	22.10	PASS
Band2	1.4	18900	1	#0	16QAM	22.30	PASS
Band2	1.4	18900	1	#Mid	16QAM	22.16	PASS
Band2	1.4	18900	1	#Max	16QAM	22.26	PASS
Band2	1.4	18900	3	#0	16QAM	22.30	PASS
Band2	1.4	18900	3	#Mid	16QAM	22.37	PASS
Band2	1.4	18900	3	#Max	16QAM	22.25	PASS
Band2	1.4	18900	6	#0	16QAM	21.20	PASS
Band2	1.4	19193	1	#0	QPSK	23.04	PASS
Band2	1.4	19193	1	#Mid	QPSK	23.13	PASS
Band2	1.4	19193	1	#Max	QPSK	23.15	PASS
Band2	1.4	19193	3	#0	QPSK	23.01	PASS
Band2	1.4	19193	3	#Mid	QPSK	23.06	PASS
Band2	1.4	19193	3	#Max	QPSK	23.07	PASS
Band2	1.4	19193	6	#0	QPSK	22.25	PASS
Band2	1.4	19193	1	#0	16QAM	22.71	PASS
Band2	1.4	19193	1	#Mid	16QAM	22.75	PASS
Band2	1.4	19193	1	#Max	16QAM	22.74	PASS
Band2	1.4	19193	3	#0	16QAM	22.74	PASS
Band2	1.4	19193	3	#Mid	16QAM	22.67	PASS

Band2	1.4	19193	3	#Max	16QAM	22.71	PASS
Band2	1.4	19193	6	#0	16QAM	21.40	PASS
Band2	3	18615	1	#0	QPSK	22.96	PASS
Band2	3	18615	1	#Mid	QPSK	22.94	PASS
Band2	3	18615	1	#Max	QPSK	22.96	PASS
Band2	3	18615	8	#0	QPSK	22.11	PASS
Band2	3	18615	8	#Mid	QPSK	21.95	PASS
Band2	3	18615	8	#Max	QPSK	22.07	PASS
Band2	3	18615	15	#0	QPSK	21.86	PASS
Band2	3	18615	1	#0	16QAM	23.17	PASS
Band2	3	18615	1	#Mid	16QAM	23.16	PASS
Band2	3	18615	1	#Max	16QAM	23.14	PASS
Band2	3	18615	8	#0	16QAM	20.97	PASS
Band2	3	18615	8	#Mid	16QAM	20.96	PASS
Band2	3	18615	8	#Max	16QAM	21.00	PASS
Band2	3	18615	15	#0	16QAM	21.18	PASS
Band2	3	18900	1	#0	QPSK	23.03	PASS
Band2	3	18900	1	#Mid	QPSK	23.09	PASS
Band2	3	18900	1	#Max	QPSK	23.21	PASS
Band2	3	18900	8	#0	QPSK	22.03	PASS
Band2	3	18900	8	#Mid	QPSK	22.03	PASS
Band2	3	18900	8	#Max	QPSK	22.17	PASS
Band2	3	18900	15	#0	QPSK	22.03	PASS
Band2	3	18900	1	#0	16QAM	22.22	PASS
Band2	3	18900	1	#Mid	16QAM	22.22	PASS
Band2	3	18900	1	#Max	16QAM	22.34	PASS
Band2	3	18900	8	#0	16QAM	21.24	PASS
Band2	3	18900	8	#Mid	16QAM	21.26	PASS
Band2	3	18900	8	#Max	16QAM	21.25	PASS
Band2	3	18900	15	#0	16QAM	21.13	PASS
Band2	3	19185	1	#0	QPSK	23.20	PASS
Band2	3	19185	1	#Mid	QPSK	23.15	PASS
Band2	3	19185	1	#Max	QPSK	23.14	PASS
Band2	3	19185	8	#0	QPSK	22.13	PASS
Band2	3	19185	8	#Mid	QPSK	22.08	PASS
Band2	3	19185	8	#Max	QPSK	22.16	PASS
Band2	3	19185	15	#0	QPSK	22.18	PASS
Band2	3	19185	1	#0	16QAM	22.66	PASS
Band2	3	19185	1	#Mid	16QAM	22.74	PASS
Band2	3	19185	1	#Max	16QAM	22.63	PASS
Band2	3	19185	8	#0	16QAM	21.25	PASS
Band2	3	19185	8	#Mid	16QAM	21.20	PASS
Band2	3	19185	8	#Max	16QAM	21.21	PASS
Band2	3	19185	15	#0	16QAM	21.28	PASS

Band2	5	18625	1	#0	QPSK	22.85	PASS
Band2	5	18625	1	#Mid	QPSK	22.86	PASS
Band2	5	18625	1	#Max	QPSK	22.77	PASS
Band2	5	18625	12	#0	QPSK	22.04	PASS
Band2	5	18625	12	#Mid	QPSK	22.03	PASS
Band2	5	18625	12	#Max	QPSK	22.05	PASS
Band2	5	18625	25	#0	QPSK	22.02	PASS
Band2	5	18625	1	#0	16QAM	22.48	PASS
Band2	5	18625	1	#Mid	16QAM	22.45	PASS
Band2	5	18625	1	#Max	16QAM	22.44	PASS
Band2	5	18625	12	#0	16QAM	20.98	PASS
Band2	5	18625	12	#Mid	16QAM	20.96	PASS
Band2	5	18625	12	#Max	16QAM	20.98	PASS
Band2	5	18625	25	#0	16QAM	21.17	PASS
Band2	5	18900	1	#0	QPSK	23.11	PASS
Band2	5	18900	1	#Mid	QPSK	23.16	PASS
Band2	5	18900	1	#Max	QPSK	23.17	PASS
Band2	5	18900	12	#0	QPSK	21.96	PASS
Band2	5	18900	12	#Mid	QPSK	22.00	PASS
Band2	5	18900	12	#Max	QPSK	22.07	PASS
Band2	5	18900	25	#0	QPSK	22.05	PASS
Band2	5	18900	1	#0	16QAM	21.82	PASS
Band2	5	18900	1	#Mid	16QAM	21.87	PASS
Band2	5	18900	1	#Max	16QAM	21.88	PASS
Band2	5	18900	12	#0	16QAM	20.96	PASS
Band2	5	18900	12	#Mid	16QAM	21.05	PASS
Band2	5	18900	12	#Max	16QAM	21.06	PASS
Band2	5	18900	25	#0	16QAM	21.20	PASS
Band2	5	19175	1	#0	QPSK	23.07	PASS
Band2	5	19175	1	#Mid	QPSK	23.06	PASS
Band2	5	19175	1	#Max	QPSK	22.95	PASS
Band2	5	19175	12	#0	QPSK	22.06	PASS
Band2	5	19175	12	#Mid	QPSK	22.07	PASS
Band2	5	19175	12	#Max	QPSK	22.06	PASS
Band2	5	19175	25	#0	QPSK	22.07	PASS
Band2	5	19175	1	#0	16QAM	22.13	PASS
Band2	5	19175	1	#Mid	16QAM	22.18	PASS
Band2	5	19175	1	#Max	16QAM	22.19	PASS
Band2	5	19175	12	#0	16QAM	21.18	PASS
Band2	5	19175	12	#Mid	16QAM	21.12	PASS
Band2	5	19175	12	#Max	16QAM	21.17	PASS
Band2	5	19175	25	#0	16QAM	21.16	PASS
Band2	10	18650	1	#0	QPSK	23.03	PASS
Band2	10	18650	1	#Mid	QPSK	22.94	PASS

Band2	10	18650	1	#Max	QPSK	22.87	PASS
Band2	10	18650	25	#0	QPSK	22.02	PASS
Band2	10	18650	25	#Mid	QPSK	21.98	PASS
Band2	10	18650	25	#Max	QPSK	21.90	PASS
Band2	10	18650	50	#0	QPSK	21.90	PASS
Band2	10	18650	1	#0	16QAM	23.25	PASS
Band2	10	18650	1	#Mid	16QAM	23.28	PASS
Band2	10	18650	1	#Max	16QAM	23.16	PASS
Band2	10	18650	25	#0	16QAM	21.03	PASS
Band2	10	18650	25	#Mid	16QAM	20.95	PASS
Band2	10	18650	25	#Max	16QAM	20.92	PASS
Band2	10	18650	50	#0	16QAM	21.05	PASS
Band2	10	18900	1	#0	QPSK	23.00	PASS
Band2	10	18900	1	#Mid	QPSK	23.10	PASS
Band2	10	18900	1	#Max	QPSK	23.12	PASS
Band2	10	18900	25	#0	QPSK	22.00	PASS
Band2	10	18900	25	#Mid	QPSK	21.97	PASS
Band2	10	18900	25	#Max	QPSK	22.07	PASS
Band2	10	18900	50	#0	QPSK	22.04	PASS
Band2	10	18900	1	#0	16QAM	22.09	PASS
Band2	10	18900	1	#Mid	16QAM	22.19	PASS
Band2	10	18900	1	#Max	16QAM	22.27	PASS
Band2	10	18900	25	#0	16QAM	21.08	PASS
Band2	10	18900	25	#Mid	16QAM	21.14	PASS
Band2	10	18900	25	#Max	16QAM	21.19	PASS
Band2	10	18900	50	#0	16QAM	21.25	PASS
Band2	10	19150	1	#0	QPSK	23.19	PASS
Band2	10	19150	1	#Mid	QPSK	23.20	PASS
Band2	10	19150	1	#Max	QPSK	23.15	PASS
Band2	10	19150	25	#0	QPSK	22.09	PASS
Band2	10	19150	25	#Mid	QPSK	22.08	PASS
Band2	10	19150	25	#Max	QPSK	22.18	PASS
Band2	10	19150	50	#0	QPSK	22.11	PASS
Band2	10	19150	1	#0	16QAM	22.31	PASS
Band2	10	19150	1	#Mid	16QAM	22.32	PASS
Band2	10	19150	1	#Max	16QAM	22.34	PASS
Band2	10	19150	25	#0	16QAM	21.25	PASS
Band2	10	19150	25	#Mid	16QAM	21.17	PASS
Band2	10	19150	25	#Max	16QAM	21.17	PASS
Band2	10	19150	50	#0	16QAM	21.31	PASS
Band2	15	18675	1	#0	QPSK	22.99	PASS
Band2	15	18675	1	#Mid	QPSK	22.96	PASS
Band2	15	18675	1	#Max	QPSK	23.00	PASS
Band2	15	18675	36	#0	QPSK	21.97	PASS

Band2	15	18675	36	#Mid	QPSK	22.04	PASS
Band2	15	18675	36	#Max	QPSK	21.92	PASS
Band2	15	18675	75	#0	QPSK	22.05	PASS
Band2	15	18675	1	#0	16QAM	23.33	PASS
Band2	15	18675	1	#Mid	16QAM	23.16	PASS
Band2	15	18675	1	#Max	16QAM	23.17	PASS
Band2	15	18675	36	#0	16QAM	21.07	PASS
Band2	15	18675	36	#Mid	16QAM	21.04	PASS
Band2	15	18675	36	#Max	16QAM	21.06	PASS
Band2	15	18675	75	#0	16QAM	21.06	PASS
Band2	15	18900	1	#0	QPSK	22.87	PASS
Band2	15	18900	1	#Mid	QPSK	23.07	PASS
Band2	15	18900	1	#Max	QPSK	23.04	PASS
Band2	15	18900	36	#0	QPSK	22.14	PASS
Band2	15	18900	36	#Mid	QPSK	22.08	PASS
Band2	15	18900	36	#Max	QPSK	22.10	PASS
Band2	15	18900	75	#0	QPSK	22.05	PASS
Band2	15	18900	1	#0	16QAM	22.04	PASS
Band2	15	18900	1	#Mid	16QAM	22.09	PASS
Band2	15	18900	1	#Max	16QAM	22.22	PASS
Band2	15	18900	36	#0	16QAM	21.31	PASS
Band2	15	18900	36	#Mid	16QAM	21.26	PASS
Band2	15	18900	36	#Max	16QAM	21.33	PASS
Band2	15	18900	75	#0	16QAM	21.21	PASS
Band2	15	19125	1	#0	QPSK	23.17	PASS
Band2	15	19125	1	#Mid	QPSK	23.20	PASS
Band2	15	19125	1	#Max	QPSK	23.12	PASS
Band2	15	19125	36	#0	QPSK	22.13	PASS
Band2	15	19125	36	#Mid	QPSK	22.03	PASS
Band2	15	19125	36	#Max	QPSK	22.16	PASS
Band2	15	19125	75	#0	QPSK	22.16	PASS
Band2	15	19125	1	#0	16QAM	22.79	PASS
Band2	15	19125	1	#Mid	16QAM	22.91	PASS
Band2	15	19125	1	#Max	16QAM	22.90	PASS
Band2	15	19125	36	#0	16QAM	21.20	PASS
Band2	15	19125	36	#Mid	16QAM	21.34	PASS
Band2	15	19125	36	#Max	16QAM	21.30	PASS
Band2	15	19125	75	#0	16QAM	21.31	PASS
Band2	20	18700	1	#0	QPSK	23.06	PASS
Band2	20	18700	1	#Mid	QPSK	22.98	PASS
Band2	20	18700	1	#Max	QPSK	23.02	PASS
Band2	20	18700	50	#0	QPSK	21.89	PASS
Band2	20	18700	50	#Mid	QPSK	21.90	PASS
Band2	20	18700	50	#Max	QPSK	21.96	PASS

Band2	20	18700	100	#0	QPSK	21.90	PASS
Band2	20	18700	1	#0	16QAM	21.91	PASS
Band2	20	18700	1	#Mid	16QAM	21.72	PASS
Band2	20	18700	1	#Max	16QAM	21.72	PASS
Band2	20	18700	50	#0	16QAM	21.15	PASS
Band2	20	18700	50	#Mid	16QAM	21.13	PASS
Band2	20	18700	50	#Max	16QAM	21.10	PASS
Band2	20	18700	100	#0	16QAM	21.04	PASS
Band2	20	18900	1	#0	QPSK	23.05	PASS
Band2	20	18900	1	#Mid	QPSK	23.14	PASS
Band2	20	18900	1	#Max	QPSK	23.16	PASS
Band2	20	18900	50	#0	QPSK	22.08	PASS
Band2	20	18900	50	#Mid	QPSK	21.99	PASS
Band2	20	18900	50	#Max	QPSK	22.25	PASS
Band2	20	18900	100	#0	QPSK	22.09	PASS
Band2	20	18900	1	#0	16QAM	21.64	PASS
Band2	20	18900	1	#Mid	16QAM	21.79	PASS
Band2	20	18900	1	#Max	16QAM	21.88	PASS
Band2	20	18900	50	#0	16QAM	21.08	PASS
Band2	20	18900	50	#Mid	16QAM	21.22	PASS
Band2	20	18900	50	#Max	16QAM	21.23	PASS
Band2	20	18900	100	#0	16QAM	21.16	PASS
Band2	20	19100	1	#0	QPSK	23.17	PASS
Band2	20	19100	1	#Mid	QPSK	23.22	PASS
Band2	20	19100	1	#Max	QPSK	23.21	PASS
Band2	20	19100	50	#0	QPSK	22.03	PASS
Band2	20	19100	50	#Mid	QPSK	22.12	PASS
Band2	20	19100	50	#Max	QPSK	22.13	PASS
Band2	20	19100	100	#0	QPSK	22.09	PASS
Band2	20	19100	1	#0	16QAM	22.06	PASS
Band2	20	19100	1	#Mid	16QAM	22.03	PASS
Band2	20	19100	1	#Max	16QAM	22.21	PASS
Band2	20	19100	50	#0	16QAM	21.18	PASS
Band2	20	19100	50	#Mid	16QAM	21.15	PASS
Band2	20	19100	50	#Max	16QAM	21.22	PASS
Band2	20	19100	100	#0	16QAM	21.20	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
Band2	1.4	18607	6	#0	QPSK	LV	NT	2.92	0.002	-2.5	2.5	PASS
Band2	1.4	18607	6	#0	QPSK	NV	NT	-8.38	-0.005	-2.5	2.5	PASS
Band2	1.4	18607	6	#0	QPSK	HV	NT	-10.77	-0.006	-2.5	2.5	PASS
Band2	1.4	18607	6	#0	16QAM	LV	NT	-8.24	-0.004	-2.5	2.5	PASS
Band2	1.4	18607	6	#0	16QAM	NV	NT	-1.57	-0.001	-2.5	2.5	PASS
Band2	1.4	18607	6	#0	16QAM	HV	NT	1.86	0.001	-2.5	2.5	PASS
Band2	1.4	18900	6	#0	QPSK	LV	NT	19.73	0.010	-2.5	2.5	PASS
Band2	1.4	18900	6	#0	QPSK	NV	NT	11.76	0.006	-2.5	2.5	PASS
Band2	1.4	18900	6	#0	QPSK	HV	NT	1.26	0.001	-2.5	2.5	PASS
Band2	1.4	18900	6	#0	16QAM	LV	NT	-7.84	-0.004	-2.5	2.5	PASS
Band2	1.4	18900	6	#0	16QAM	NV	NT	-15.42	-0.008	-2.5	2.5	PASS
Band2	1.4	18900	6	#0	16QAM	HV	NT	-22.37	-0.012	-2.5	2.5	PASS
Band2	1.4	19193	6	#0	QPSK	LV	NT	4.32	0.002	-2.5	2.5	PASS
Band2	1.4	19193	6	#0	QPSK	NV	NT	-2.42	-0.001	-2.5	2.5	PASS
Band2	1.4	19193	6	#0	QPSK	HV	NT	-16.04	-0.008	-2.5	2.5	PASS
Band2	1.4	19193	6	#0	16QAM	LV	NT	-33.07	-0.017	-2.5	2.5	PASS
Band2	1.4	19193	6	#0	16QAM	NV	NT	-38.88	-0.020	-2.5	2.5	PASS
Band2	1.4	19193	6	#0	16QAM	HV	NT	-42.97	-0.023	-2.5	2.5	PASS



Ban d2	3	18615	15	#0	QPSK	LV	NT	8.07	0.00 4	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	QPSK	NV	NT	-4.9 8	-0.0 03	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	QPSK	HV	NT	-13. 45	-0.0 07	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	16QAM	LV	NT	-18. 80	-0.0 10	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	16QAM	NV	NT	-25. 38	-0.0 14	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	16QAM	HV	NT	-29. 73	-0.0 16	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	QPSK	LV	NT	3.16	0.00 2	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	QPSK	NV	NT	-17. 80	-0.0 09	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	QPSK	HV	NT	-21. 96	-0.0 12	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	16QAM	LV	NT	-35. 35	-0.0 19	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	16QAM	NV	NT	-32. 94	-0.0 18	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	16QAM	HV	NT	-41. 48	-0.0 22	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	QPSK	LV	NT	-21. 51	-0.01 1	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	QPSK	NV	NT	-38. 52	-0.0 20	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	QPSK	HV	NT	1.02	0.00 1	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	16QAM	LV	NT	-24. 89	-0.0 13	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	16QAM	NV	NT	-43. 76	-0.0 23	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	16QAM	HV	NT	-24. 96	-0.0 13	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	QPSK	LV	NT	36.3 3	0.02 0	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	QPSK	NV	NT	15.2 1	0.00 8	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	QPSK	HV	NT	6.90	0.00 4	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	16QAM	LV	NT	1.27	0.00 1	-2.5	2.5	PAS S



Ban d2	5	18625	25	#0	16QAM	NV	NT	-3.2 2	-0.0 02	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	16QAM	HV	NT	-13. 60	-0.0 07	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	QPSK	LV	NT	-19. 93	-0.01 1	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	QPSK	NV	NT	-34. 62	-0.0 18	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	QPSK	HV	NT	4.55	0.00 2	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	16QAM	LV	NT	-27. 22	-0.0 14	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	16QAM	NV	NT	-37. 01	-0.0 20	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	16QAM	HV	NT	-26. 87	-0.0 14	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	QPSK	LV	NT	-1.8 6	-0.0 01	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	QPSK	NV	NT	-23. 03	-0.0 12	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	QPSK	HV	NT	9.21	0.00 5	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	16QAM	LV	NT	-26. 22	-0.0 14	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	16QAM	NV	NT	-22. 23	-0.0 12	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	16QAM	HV	NT	-43. 69	-0.0 23	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	QPSK	LV	NT	24.1 6	0.01 3	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	QPSK	NV	NT	-0.8 7	0.00 0	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	QPSK	HV	NT	-18. 14	-0.0 10	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	16QAM	LV	NT	-31. 54	-0.0 17	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	16QAM	NV	NT	-47. 05	-0.0 25	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	16QAM	HV	NT	-11.0 3	-0.0 06	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	QPSK	LV	NT	-32. 46	-0.0 17	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	QPSK	NV	NT	2.88	0.00 2	-2.5	2.5	PAS S



Ban d2	10	18900	50	#0	QPSK	HV	NT	-26. 19	-0.0 14	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	16QAM	LV	NT	-21. 84	-0.0 12	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	16QAM	NV	NT	-15. 48	-0.0 08	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	16QAM	HV	NT	-9.7 7	-0.0 05	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	QPSK	LV	NT	-12. 89	-0.0 07	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	QPSK	NV	NT	-40. 70	-0.0 21	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	QPSK	HV	NT	-18. 40	-0.0 10	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	16QAM	LV	NT	-45. 08	-0.0 24	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	16QAM	NV	NT	-28. 02	-0.0 15	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	16QAM	HV	NT	-22. 72	-0.0 12	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	QPSK	LV	NT	-18. 01	-0.0 10	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	QPSK	NV	NT	-15. 81	-0.0 09	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	QPSK	HV	NT	-15. 08	-0.0 08	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	16QAM	LV	NT	-38. 07	-0.0 20	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	16QAM	NV	NT	-17. 94	-0.0 10	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	16QAM	HV	NT	-14. 28	-0.0 08	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	QPSK	LV	NT	-12. 20	-0.0 06	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	QPSK	NV	NT	-34. 35	-0.0 18	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	QPSK	HV	NT	-26. 48	-0.0 14	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	16QAM	LV	NT	-32. 03	-0.0 17	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	16QAM	NV	NT	0.84	0.00 0	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	16QAM	HV	NT	-23. 40	-0.0 12	-2.5	2.5	PAS S



Ban d2	15	19125	75	#0	QPSK	LV	NT	21.5 1	0.01 1	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	QPSK	NV	NT	6.31	0.00 3	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	QPSK	HV	NT	-13. 80	-0.0 07	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	16QAM	LV	NT	-35. 75	-0.0 19	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	16QAM	NV	NT	-19. 27	-0.0 10	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	16QAM	HV	NT	-21. 49	-0.01 1	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	QPSK	LV	NT	36.1 1	0.01 9	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	QPSK	NV	NT	23.9 9	0.01 3	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	QPSK	HV	NT	21.2 4	0.01 1	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	16QAM	LV	NT	7.35	0.00 4	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	16QAM	NV	NT	-4.9 9	-0.0 03	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	16QAM	HV	NT	-25. 25	-0.0 14	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	QPSK	LV	NT	-10. 07	-0.0 05	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	QPSK	NV	NT	-15. 98	-0.0 09	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	QPSK	HV	NT	-36. 16	-0.0 19	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	16QAM	LV	NT	-24. 30	-0.0 13	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	16QAM	NV	NT	-35. 45	-0.0 19	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	16QAM	HV	NT	-19. 14	-0.0 10	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	QPSK	LV	NT	6.48	0.00 3	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	QPSK	NV	NT	-3.4 3	-0.0 02	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	QPSK	HV	NT	-12. 37	-0.0 07	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	16QAM	LV	NT	-28. 44	-0.0 15	-2.5	2.5	PAS S



Ban d2	20	19100	10 0	#0	16QAM	NV	NT	-34. 66	-0.0 18	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	16QAM	HV	NT	-48. 25	-0.0 25	-2.5	2.5	PAS S

Ban d	Bandwi dth (MHz)	UL Chann el	RB Siz e	RB Positi on	Modulati on	Volta ge (Vdc)	Temperat ue (C)	Res ult (Hz)	Res ult (pp m)	Low Limi t (pp m)	high Limi t (pp m)	Verdi ct
Ban d2	1.4	18607	6	#0	QPSK	NV	-30	-1.2 0	-0.0 01	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	QPSK	NV	-20	-15. 01	-0.0 08	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	QPSK	NV	0	-22. 56	-0.0 12	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	QPSK	NV	10	-28. 80	-0.0 16	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	QPSK	NV	20	-32. 47	-0.0 18	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	QPSK	NV	30	-37. 19	-0.0 20	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	QPSK	NV	40	-41. 61	-0.0 22	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	QPSK	NV	50	-45. 82	-0.0 25	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	16QAM	NV	-30	-0.7 2	0.00 0	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	16QAM	NV	-20	-7.6 5	-0.0 04	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	16QAM	NV	0	-14. 31	-0.0 08	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	16QAM	NV	10	-21. 44	-0.0 12	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	16QAM	NV	20	-31. 39	-0.0 17	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	16QAM	NV	30	-41. 07	-0.0 22	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	16QAM	NV	40	-34. 03	-0.0 18	-2.5	2.5	PAS S
Ban d2	1.4	18607	6	#0	16QAM	NV	50	-18. 83	-0.0 10	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	QPSK	NV	-30	-18. 22	-0.0 10	-2.5	2.5	PAS S



Ban d2	1.4	18900	6	#0	QPSK	NV	-20	-35. 95	-0.0 19	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	QPSK	NV	0	-33. 96	-0.0 18	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	QPSK	NV	10	4.48	0.00 2	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	QPSK	NV	20	-20. 26	-0.01 1	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	QPSK	NV	30	-39. 17	-0.0 21	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	QPSK	NV	40	-22. 89	-0.0 12	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	QPSK	NV	50	-42. 04	-0.0 22	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	16QAM	NV	-30	2.46	0.00 1	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	16QAM	NV	-20	-13. 65	-0.0 07	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	16QAM	NV	0	-24. 70	-0.0 13	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	16QAM	NV	10	-39. 40	-0.0 21	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	16QAM	NV	20	-18. 10	-0.0 10	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	16QAM	NV	30	-30. 61	-0.0 16	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	16QAM	NV	40	-42. 76	-0.0 23	-2.5	2.5	PAS S
Ban d2	1.4	18900	6	#0	16QAM	NV	50	-18. 22	-0.0 10	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	QPSK	NV	-30	-12. 47	-0.0 07	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	QPSK	NV	-20	-25. 01	-0.0 13	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	QPSK	NV	0	-41. 80	-0.0 22	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	QPSK	NV	10	-6.9 4	-0.0 04	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	QPSK	NV	20	-25. 95	-0.0 14	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	QPSK	NV	30	6.38	0.00 3	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	QPSK	NV	40	-11.4 0	-0.0 06	-2.5	2.5	PAS S



Ban d2	1.4	19193	6	#0	QPSK	NV	50	-28. 17	-0.0 15	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	16QAM	NV	-30	-24. 19	-0.0 13	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	16QAM	NV	-20	-12. 03	-0.0 06	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	16QAM	NV	0	-24. 33	-0.0 13	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	16QAM	NV	10	-36. 64	-0.0 19	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	16QAM	NV	20	-0.8 6	0.00 0	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	16QAM	NV	30	-16. 78	-0.0 09	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	16QAM	NV	40	-28. 90	-0.0 15	-2.5	2.5	PAS S
Ban d2	1.4	19193	6	#0	16QAM	NV	50	-39. 02	-0.0 20	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	QPSK	NV	-30	3.46	0.00 2	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	QPSK	NV	-20	-15. 62	-0.0 08	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	QPSK	NV	0	-30. 46	-0.0 16	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	QPSK	NV	10	-18. 21	-0.0 10	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	QPSK	NV	20	-37. 35	-0.0 20	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	QPSK	NV	30	-10. 33	-0.0 06	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	QPSK	NV	40	-38. 08	-0.0 21	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	QPSK	NV	50	-3.0 6	-0.0 02	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	16QAM	NV	-30	-36. 85	-0.0 20	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	16QAM	NV	-20	-32. 54	-0.0 18	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	16QAM	NV	0	-0.8 2	0.00 0	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	16QAM	NV	10	-28. 95	-0.0 16	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	16QAM	NV	20	-22. 36	-0.0 12	-2.5	2.5	PAS S



Ban d2	3	18615	15	#0	16QAM	NV	30	-17. 52	-0.0 09	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	16QAM	NV	40	-31. 99	-0.0 17	-2.5	2.5	PAS S
Ban d2	3	18615	15	#0	16QAM	NV	50	-26. 06	-0.0 14	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	QPSK	NV	-30	-46. 83	-0.0 25	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	QPSK	NV	-20	-23. 02	-0.0 12	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	QPSK	NV	0	-27. 72	-0.0 15	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	QPSK	NV	10	-3.0 9	-0.0 02	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	QPSK	NV	20	-39. 57	-0.0 21	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	QPSK	NV	30	-37. 29	-0.0 20	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	QPSK	NV	40	-9.7 8	-0.0 05	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	QPSK	NV	50	-40. 41	-0.0 21	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	16QAM	NV	-30	-38. 27	-0.0 20	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	16QAM	NV	-20	-5.8 4	-0.0 03	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	16QAM	NV	0	-33. 07	-0.0 18	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	16QAM	NV	10	-22. 59	-0.0 12	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	16QAM	NV	20	-47. 85	-0.0 25	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	16QAM	NV	30	-8.9 1	-0.0 05	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	16QAM	NV	40	-30. 57	-0.0 16	-2.5	2.5	PAS S
Ban d2	3	18900	15	#0	16QAM	NV	50	-15. 98	-0.0 09	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	QPSK	NV	-30	1.93	0.00 1	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	QPSK	NV	-20	-19. 24	-0.0 10	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	QPSK	NV	0	-29. 21	-0.0 15	-2.5	2.5	PAS S



Ban d2	3	19185	15	#0	QPSK	NV	10	-31. 14	-0.0 16	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	QPSK	NV	20	-18. 75	-0.0 10	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	QPSK	NV	30	-42. 03	-0.0 22	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	QPSK	NV	40	-15. 26	-0.0 08	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	QPSK	NV	50	-39. 08	-0.0 20	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	16QAM	NV	-30	-25. 55	-0.0 13	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	16QAM	NV	-20	-40. 97	-0.0 21	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	16QAM	NV	0	5.84	0.00 3	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	16QAM	NV	10	-9.5 1	-0.0 05	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	16QAM	NV	20	-27. 39	-0.0 14	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	16QAM	NV	30	-42. 06	-0.0 22	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	16QAM	NV	40	-21. 00	-0.01 1	-2.5	2.5	PAS S
Ban d2	3	19185	15	#0	16QAM	NV	50	-34. 50	-0.0 18	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	QPSK	NV	-30	0.03	0.00 0	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	QPSK	NV	-20	-30. 01	-0.0 16	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	QPSK	NV	0	-2.8 9	-0.0 02	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	QPSK	NV	10	-20. 48	-0.01 1	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	QPSK	NV	20	-37. 16	-0.0 20	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	QPSK	NV	30	-26. 44	-0.0 14	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	QPSK	NV	40	-17. 14	-0.0 09	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	QPSK	NV	50	-34. 02	-0.0 18	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	16QAM	NV	-30	-14. 39	-0.0 08	-2.5	2.5	PAS S



Ban d2	5	18625	25	#0	16QAM	NV	-20	-29. 77	-0.0 16	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	16QAM	NV	0	-28. 45	-0.0 15	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	16QAM	NV	10	-13. 20	-0.0 07	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	16QAM	NV	20	-31. 50	-0.0 17	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	16QAM	NV	30	-45. 76	-0.0 25	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	16QAM	NV	40	-11.9 4	-0.0 06	-2.5	2.5	PAS S
Ban d2	5	18625	25	#0	16QAM	NV	50	-29. 78	-0.0 16	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	QPSK	NV	-30	-15. 18	-0.0 08	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	QPSK	NV	-20	-33. 19	-0.0 18	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	QPSK	NV	0	-51. 50	-0.0 27	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	QPSK	NV	10	-30. 94	-0.0 16	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	QPSK	NV	20	-46. 81	-0.0 25	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	QPSK	NV	30	-1.4 2	-0.0 01	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	QPSK	NV	40	-18. 70	-0.0 10	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	QPSK	NV	50	-34. 79	-0.0 19	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	16QAM	NV	-30	-17. 58	-0.0 09	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	16QAM	NV	-20	-30. 17	-0.0 16	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	16QAM	NV	0	-48. 74	-0.0 26	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	16QAM	NV	10	-14. 23	-0.0 08	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	16QAM	NV	20	-9.1 4	-0.0 05	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	16QAM	NV	30	-19. 64	-0.0 10	-2.5	2.5	PAS S
Ban d2	5	18900	25	#0	16QAM	NV	40	-28. 52	-0.0 15	-2.5	2.5	PAS S



Ban d2	5	18900	25	#0	16QAM	NV	50	-36. 99	-0.0 20	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	QPSK	NV	-30	0.09	0.00 0	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	QPSK	NV	-20	-19. 47	-0.0 10	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	QPSK	NV	0	-37. 97	-0.0 20	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	QPSK	NV	10	-19. 73	-0.0 10	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	QPSK	NV	20	-37. 14	-0.0 19	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	QPSK	NV	30	-29. 17	-0.0 15	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	QPSK	NV	40	-6.9 8	-0.0 04	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	QPSK	NV	50	-20. 93	-0.01 1	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	16QAM	NV	-30	-35. 81	-0.0 19	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	16QAM	NV	-20	-8.2 5	-0.0 04	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	16QAM	NV	0	-15. 96	-0.0 08	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	16QAM	NV	10	-23. 30	-0.0 12	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	16QAM	NV	20	-34. 03	-0.0 18	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	16QAM	NV	30	-42. 61	-0.0 22	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	16QAM	NV	40	10.6 0	0.00 6	-2.5	2.5	PAS S
Ban d2	5	19175	25	#0	16QAM	NV	50	2.00	0.00 1	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	QPSK	NV	-30	0.43	0.00 0	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	QPSK	NV	-20	-17. 81	-0.0 10	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	QPSK	NV	0	-23. 65	-0.0 13	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	QPSK	NV	10	-31. 46	-0.0 17	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	QPSK	NV	20	-27. 04	-0.0 15	-2.5	2.5	PAS S



Ban d2	10	18650	50	#0	QPSK	NV	30	9.48	0.00 5	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	QPSK	NV	40	-4.4 3	-0.0 02	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	QPSK	NV	50	-24. 03	-0.0 13	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	16QAM	NV	-30	-27. 15	-0.0 15	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	16QAM	NV	-20	-35. 63	-0.0 19	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	16QAM	NV	0	-1.7 2	-0.0 01	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	16QAM	NV	10	-17. 04	-0.0 09	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	16QAM	NV	20	-34. 30	-0.0 18	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	16QAM	NV	30	-13. 82	-0.0 07	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	16QAM	NV	40	-4.3 9	-0.0 02	-2.5	2.5	PAS S
Ban d2	10	18650	50	#0	16QAM	NV	50	-15. 46	-0.0 08	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	QPSK	NV	-30	-8.0 5	-0.0 04	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	QPSK	NV	-20	-34. 22	-0.0 18	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	QPSK	NV	0	-6.6 1	-0.0 04	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	QPSK	NV	10	-26. 99	-0.0 14	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	QPSK	NV	20	-41. 21	-0.0 22	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	QPSK	NV	30	-48. 69	-0.0 26	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	QPSK	NV	40	-31. 53	-0.0 17	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	QPSK	NV	50	-1.0 7	-0.0 01	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	16QAM	NV	-30	-17. 32	-0.0 09	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	16QAM	NV	-20	-32. 93	-0.0 18	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	16QAM	NV	0	-45. 65	-0.0 24	-2.5	2.5	PAS S



Ban d2	10	18900	50	#0	16QAM	NV	10	-9.0 8	-0.0 05	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	16QAM	NV	20	-15. 21	-0.0 08	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	16QAM	NV	30	-22. 46	-0.0 12	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	16QAM	NV	40	-30. 90	-0.0 16	-2.5	2.5	PAS S
Ban d2	10	18900	50	#0	16QAM	NV	50	-31. 73	-0.0 17	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	QPSK	NV	-30	4.32	0.00 2	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	QPSK	NV	-20	-2.9 9	-0.0 02	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	QPSK	NV	0	-10. 40	-0.0 05	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	QPSK	NV	10	-18. 88	-0.0 10	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	QPSK	NV	20	-27. 28	-0.0 14	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	QPSK	NV	30	-34. 65	-0.0 18	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	QPSK	NV	40	-42. 36	-0.0 22	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	QPSK	NV	50	-20. 06	-0.01 1	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	16QAM	NV	-30	-20.1 1	-0.01 1	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	16QAM	NV	-20	-19. 61	-0.0 10	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	16QAM	NV	0	-20. 51	-0.01 1	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	16QAM	NV	10	-18. 53	-0.0 10	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	16QAM	NV	20	-14. 13	-0.0 07	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	16QAM	NV	30	-12. 56	-0.0 07	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	16QAM	NV	40	-12. 03	-0.0 06	-2.5	2.5	PAS S
Ban d2	10	19150	50	#0	16QAM	NV	50	-10. 33	-0.0 05	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	QPSK	NV	-30	39.0 0	0.02 1	-2.5	2.5	PAS S



Ban d2	15	18675	75	#0	QPSK	NV	-20	26.7 1	0.01 4	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	QPSK	NV	0	18.6 5	0.01 0	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	QPSK	NV	10	12.0 6	0.00 6	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	QPSK	NV	20	-0.3 7	0.00 0	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	QPSK	NV	30	-18. 70	-0.0 10	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	QPSK	NV	40	-40. 57	-0.0 22	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	QPSK	NV	50	-27. 29	-0.0 15	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	16QAM	NV	-30	-1.5 7	-0.0 01	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	16QAM	NV	-20	-14. 09	-0.0 08	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	16QAM	NV	0	-28. 47	-0.0 15	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	16QAM	NV	10	-41. 69	-0.0 22	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	16QAM	NV	20	-14. 59	-0.0 08	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	16QAM	NV	30	-28. 01	-0.0 15	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	16QAM	NV	40	-37. 55	-0.0 20	-2.5	2.5	PAS S
Ban d2	15	18675	75	#0	16QAM	NV	50	-48. 42	-0.0 26	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	QPSK	NV	-30	7.91	0.00 4	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	QPSK	NV	-20	-16. 55	-0.0 09	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	QPSK	NV	0	-33. 13	-0.0 18	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	QPSK	NV	10	-20. 84	-0.01 1	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	QPSK	NV	20	-38. 45	-0.0 20	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	QPSK	NV	30	-12. 76	-0.0 07	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	QPSK	NV	40	-8.3 3	-0.0 04	-2.5	2.5	PAS S



Ban d2	15	18900	75	#0	QPSK	NV	50	-25. 65	-0.0 14	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	16QAM	NV	-30	-18. 15	-0.0 10	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	16QAM	NV	-20	-22. 73	-0.0 12	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	16QAM	NV	0	-31. 93	-0.0 17	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	16QAM	NV	10	-37. 92	-0.0 20	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	16QAM	NV	20	-44. 15	-0.0 23	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	16QAM	NV	30	-30. 54	-0.0 16	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	16QAM	NV	40	-1.2 7	-0.0 01	-2.5	2.5	PAS S
Ban d2	15	18900	75	#0	16QAM	NV	50	-5.6 2	-0.0 03	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	QPSK	NV	-30	2.32	0.00 1	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	QPSK	NV	-20	4.95	0.00 3	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	QPSK	NV	0	3.86	0.00 2	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	QPSK	NV	10	3.71	0.00 2	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	QPSK	NV	20	1.77	0.00 1	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	QPSK	NV	30	0.67	0.00 0	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	QPSK	NV	40	-6.2 2	-0.0 03	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	QPSK	NV	50	-8.2 8	-0.0 04	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	16QAM	NV	-30	-12. 69	-0.0 07	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	16QAM	NV	-20	-3.2 8	-0.0 02	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	16QAM	NV	0	6.78	0.00 4	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	16QAM	NV	10	17.1 5	0.00 9	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	16QAM	NV	20	24.6 5	0.01 3	-2.5	2.5	PAS S

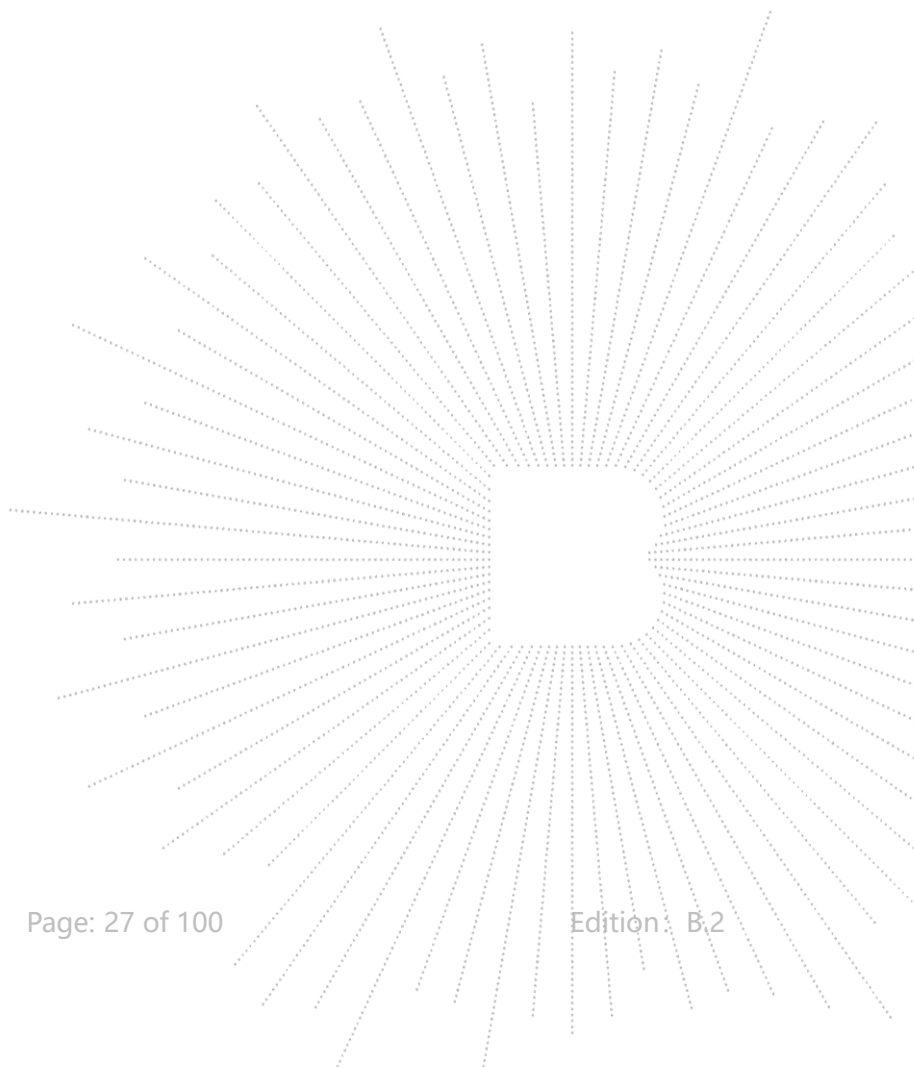


Ban d2	15	19125	75	#0	16QAM	NV	30	31.1 1	0.01 6	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	16QAM	NV	40	28.9 4	0.01 5	-2.5	2.5	PAS S
Ban d2	15	19125	75	#0	16QAM	NV	50	5.85	0.00 3	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	QPSK	NV	-30	-3.6 3	-0.0 02	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	QPSK	NV	-20	-15. 88	-0.0 09	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	QPSK	NV	0	-14. 82	-0.0 08	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	QPSK	NV	10	-21. 16	-0.01 1	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	QPSK	NV	20	-31. 10	-0.0 17	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	QPSK	NV	30	-41. 80	-0.0 22	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	QPSK	NV	40	-22. 99	-0.0 12	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	QPSK	NV	50	-21. 92	-0.0 12	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	16QAM	NV	-30	-40. 18	-0.0 22	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	16QAM	NV	-20	-16. 09	-0.0 09	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	16QAM	NV	0	-13. 22	-0.0 07	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	16QAM	NV	10	-23. 22	-0.0 12	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	16QAM	NV	20	-30. 67	-0.0 16	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	16QAM	NV	30	-35. 32	-0.0 19	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	16QAM	NV	40	-37. 06	-0.0 20	-2.5	2.5	PAS S
Ban d2	20	18700	10 0	#0	16QAM	NV	50	-40. 93	-0.0 22	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	QPSK	NV	-30	-15. 44	-0.0 08	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	QPSK	NV	-20	-35. 91	-0.0 19	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	QPSK	NV	0	-4.6 6	-0.0 02	-2.5	2.5	PAS S



Ban d2	20	18900	10 0	#0	QPSK	NV	10	-29. 40	-0.0 16	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	QPSK	NV	20	-16. 88	-0.0 09	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	QPSK	NV	30	-18. 05	-0.0 10	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	QPSK	NV	40	-36. 51	-0.0 19	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	QPSK	NV	50	-21. 56	-0.01 1	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	16QAM	NV	-30	-43. 00	-0.0 23	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	16QAM	NV	-20	-52. 83	-0.0 28	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	16QAM	NV	0	2.15	0.00 1	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	16QAM	NV	10	0.50	0.00 0	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	16QAM	NV	20	1.30	0.00 1	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	16QAM	NV	30	-0.6 6	0.00 0	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	16QAM	NV	40	1.10	0.00 1	-2.5	2.5	PAS S
Ban d2	20	18900	10 0	#0	16QAM	NV	50	3.95	0.00 2	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	QPSK	NV	-30	24.2 5	0.01 3	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	QPSK	NV	-20	24.3 9	0.01 3	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	QPSK	NV	0	21.3 6	0.01 1	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	QPSK	NV	10	20.4 1	0.01 1	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	QPSK	NV	20	18.4 4	0.01 0	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	QPSK	NV	30	13.9 0	0.00 7	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	QPSK	NV	40	12.6 3	0.00 7	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	QPSK	NV	50	7.48	0.00 4	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	16QAM	NV	-30	4.96	0.00 3	-2.5	2.5	PAS S

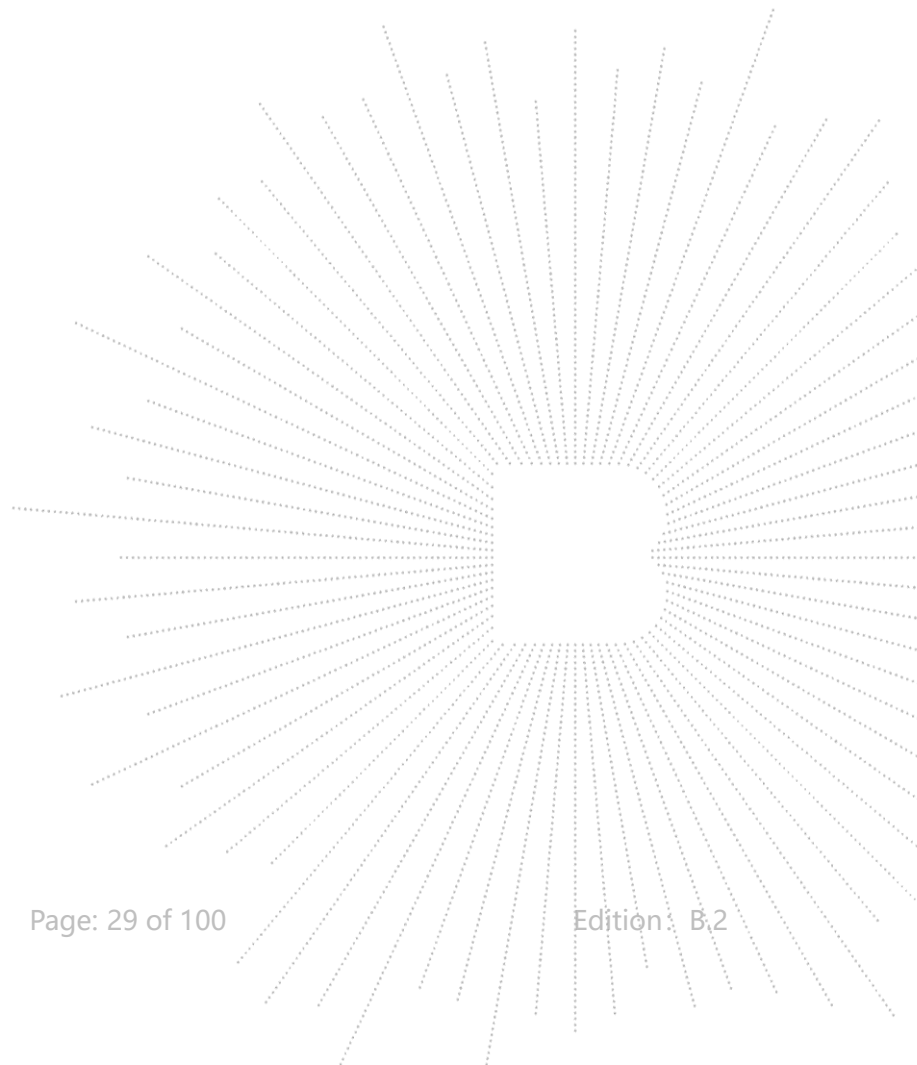
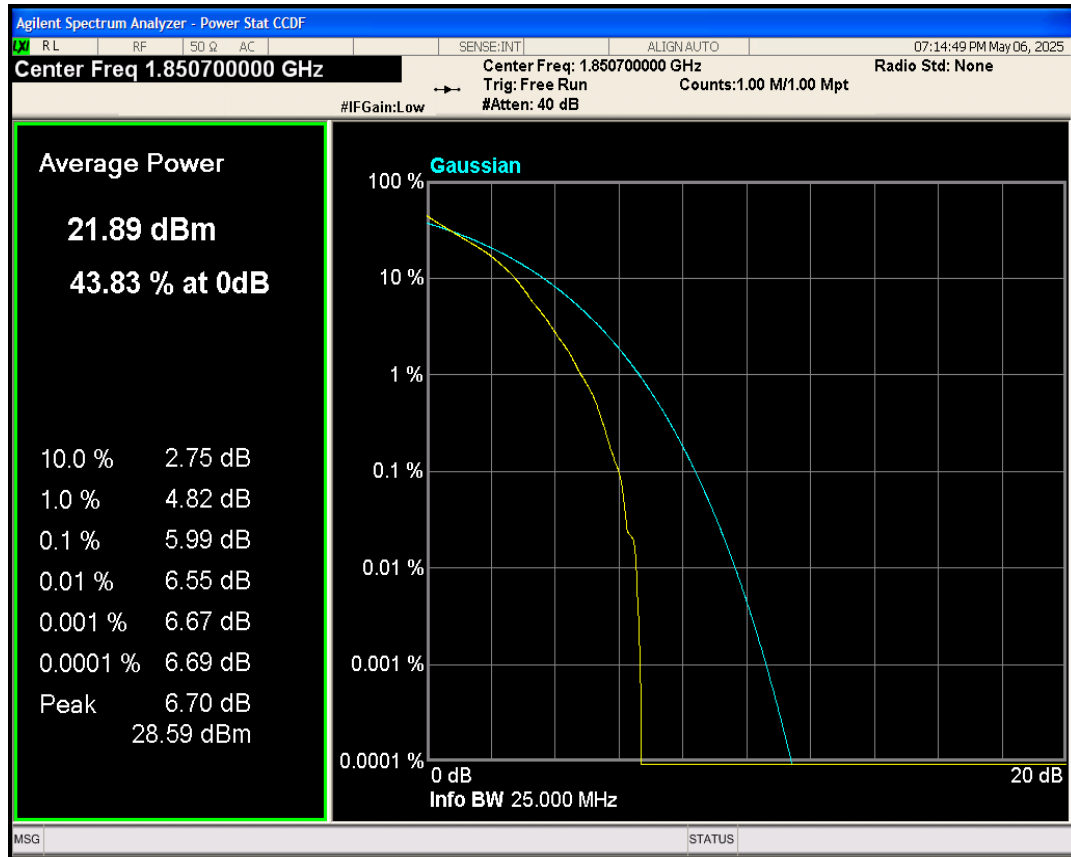
Ban d2	20	19100	10 0	#0	16QAM	NV	-20	7.78	0.00 4	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	16QAM	NV	0	12.8 9	0.00 7	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	16QAM	NV	10	17.0 9	0.00 9	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	16QAM	NV	20	28.6 0	0.01 5	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	16QAM	NV	30	35.4 2	0.01 9	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	16QAM	NV	40	41.6 6	0.02 2	-2.5	2.5	PAS S
Ban d2	20	19100	10 0	#0	16QAM	NV	50	51.4 7	0.02 7	-2.5	2.5	PAS S



Appendix 3. Peak-to-Average Ratio

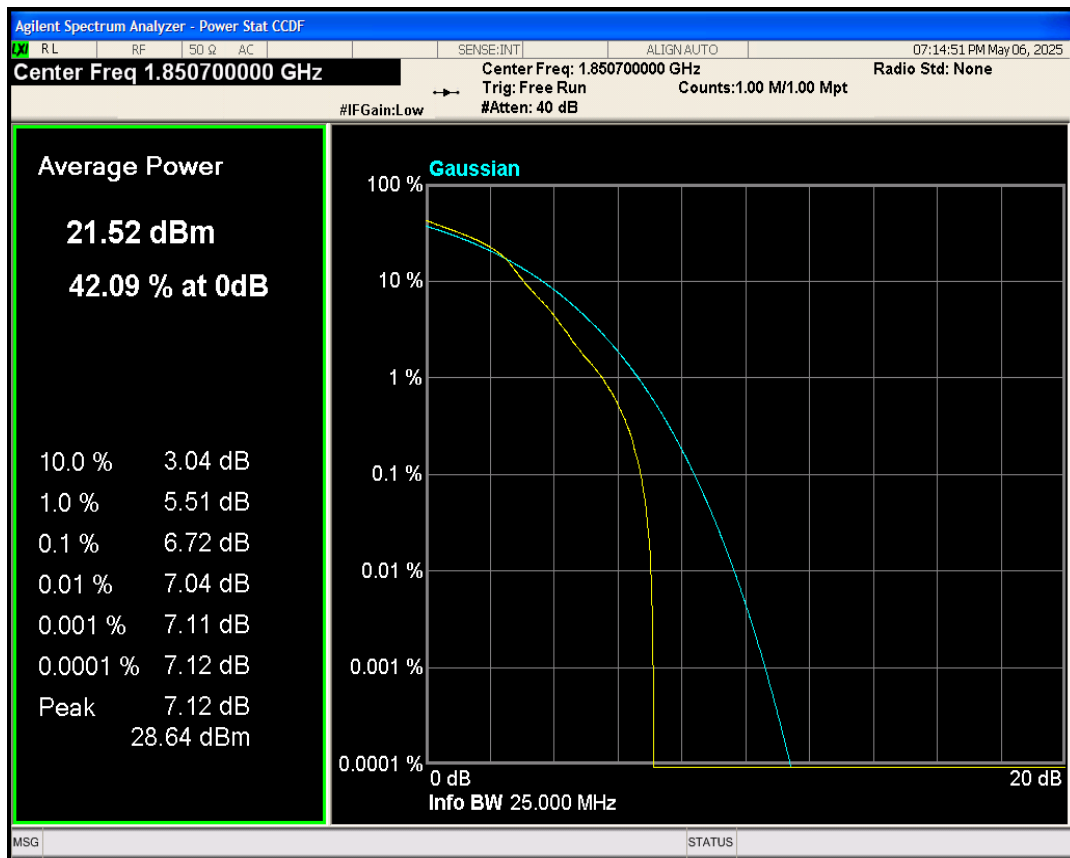
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band2	1.4	18607	1	#0	QPSK	5.99	13	PASS
Band2	1.4	18607	1	#0	16QAM	6.72	13	PASS
Band2	1.4	18900	1	#0	QPSK	5.74	13	PASS
Band2	1.4	18900	1	#0	16QAM	6.50	13	PASS
Band2	1.4	19193	1	#0	QPSK	5.33	13	PASS
Band2	1.4	19193	1	#0	16QAM	6.18	13	PASS
Band2	3	18615	1	#0	QPSK	5.87	13	PASS
Band2	3	18615	1	#0	16QAM	6.90	13	PASS
Band2	3	18900	1	#0	QPSK	5.63	13	PASS
Band2	3	18900	1	#0	16QAM	6.49	13	PASS
Band2	3	19185	1	#0	QPSK	5.13	13	PASS
Band2	3	19185	1	#0	16QAM	6.00	13	PASS
Band2	5	18625	1	#0	QPSK	6.23	13	PASS
Band2	5	18625	1	#0	16QAM	6.61	13	PASS
Band2	5	18900	1	#0	QPSK	5.45	13	PASS
Band2	5	18900	1	#0	16QAM	6.22	13	PASS
Band2	5	19175	1	#0	QPSK	4.97	13	PASS
Band2	5	19175	1	#0	16QAM	5.89	13	PASS
Band2	10	18650	1	#0	QPSK	6.01	13	PASS
Band2	10	18650	1	#0	16QAM	6.97	13	PASS
Band2	10	18900	1	#0	QPSK	5.36	13	PASS
Band2	10	18900	1	#0	16QAM	6.45	13	PASS
Band2	10	19150	1	#0	QPSK	4.65	13	PASS
Band2	10	19150	1	#0	16QAM	5.75	13	PASS
Band2	15	18675	1	#0	QPSK	5.89	13	PASS
Band2	15	18675	1	#0	16QAM	7.01	13	PASS
Band2	15	18900	1	#0	QPSK	5.38	13	PASS
Band2	15	18900	1	#0	16QAM	6.02	13	PASS
Band2	15	19125	1	#0	QPSK	5.03	13	PASS
Band2	15	19125	1	#0	16QAM	5.75	13	PASS
Band2	20	18700	1	#0	QPSK	5.72	13	PASS
Band2	20	18700	1	#0	16QAM	6.45	13	PASS
Band2	20	18900	1	#0	QPSK	5.34	13	PASS
Band2	20	18900	1	#0	16QAM	6.24	13	PASS
Band2	20	19100	1	#0	QPSK	4.62	13	PASS
Band2	20	19100	1	#0	16QAM	5.55	13	PASS

Band2 QPSK BW=1.4MHz Channel=18607 RB Size=1 Position=#0

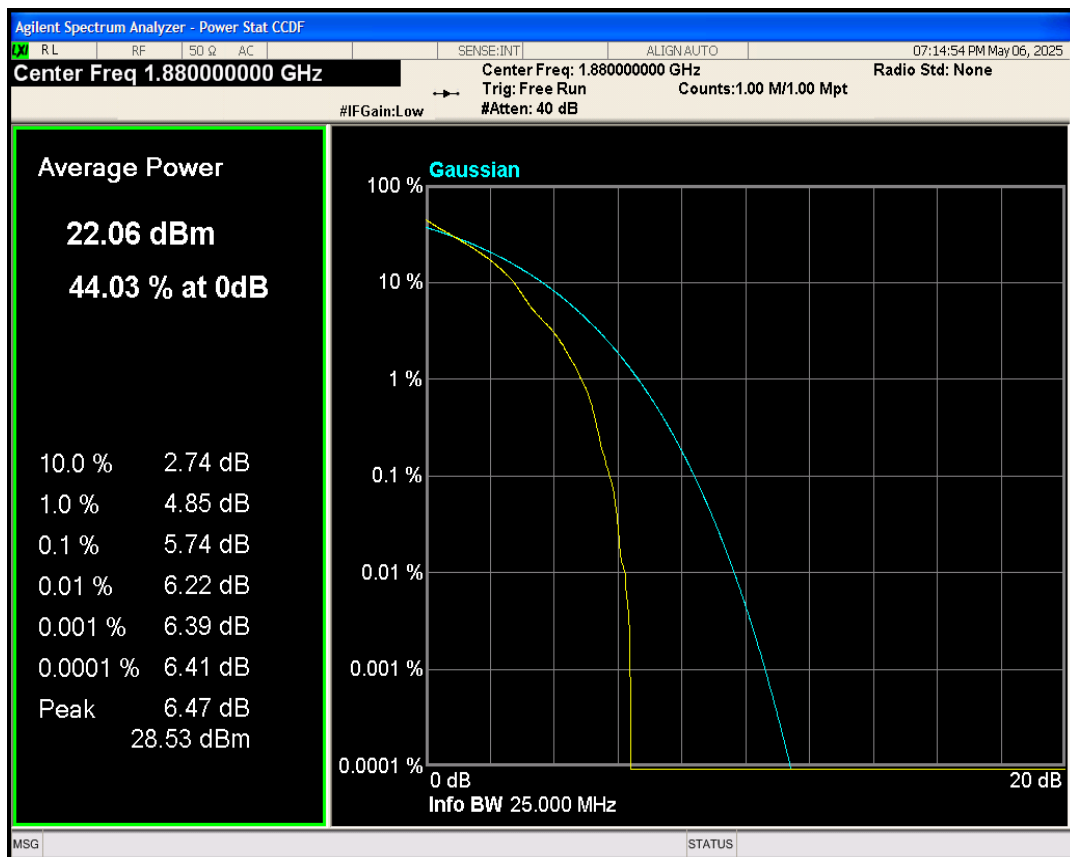




Band2 16QAM BW=1.4MHz Channel=18607 RB Size=1 Position=#0

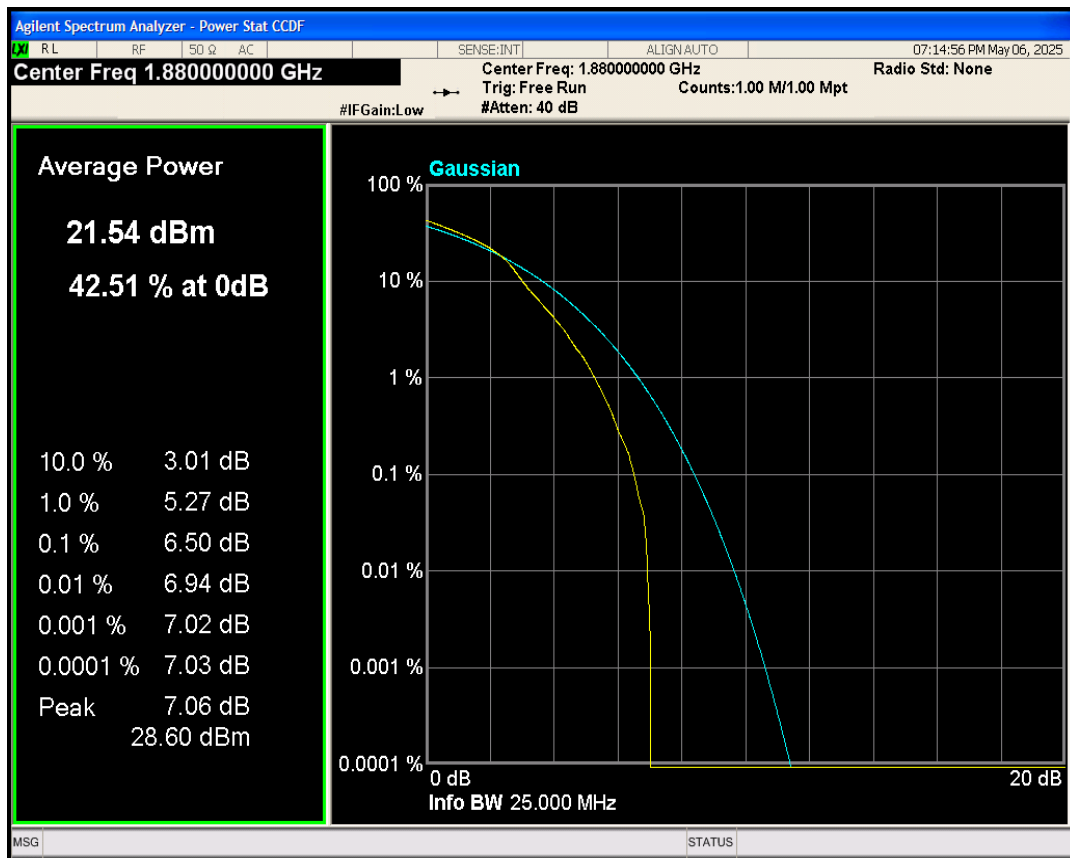


Band2 QPSK BW=1.4MHz Channel=18900 RB Size=1 Position=#0

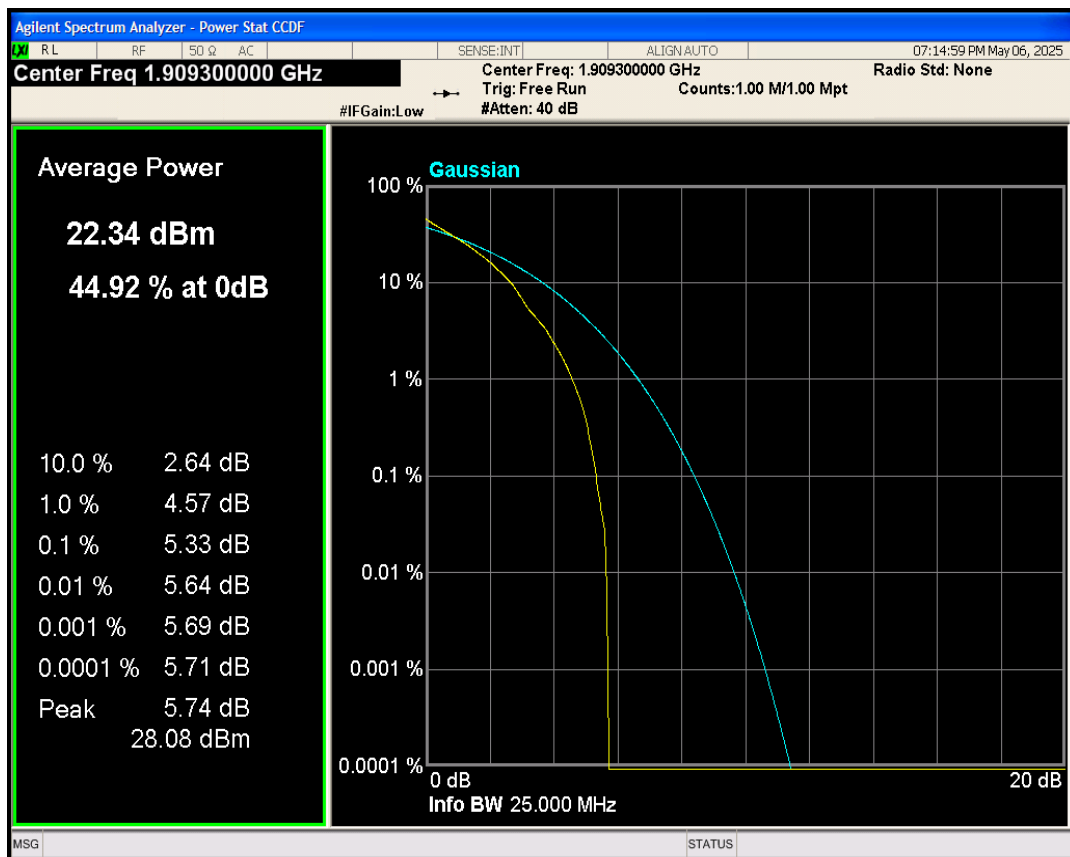




Band2 16QAM BW=1.4MHz Channel=18900 RB Size=1 Position=#0

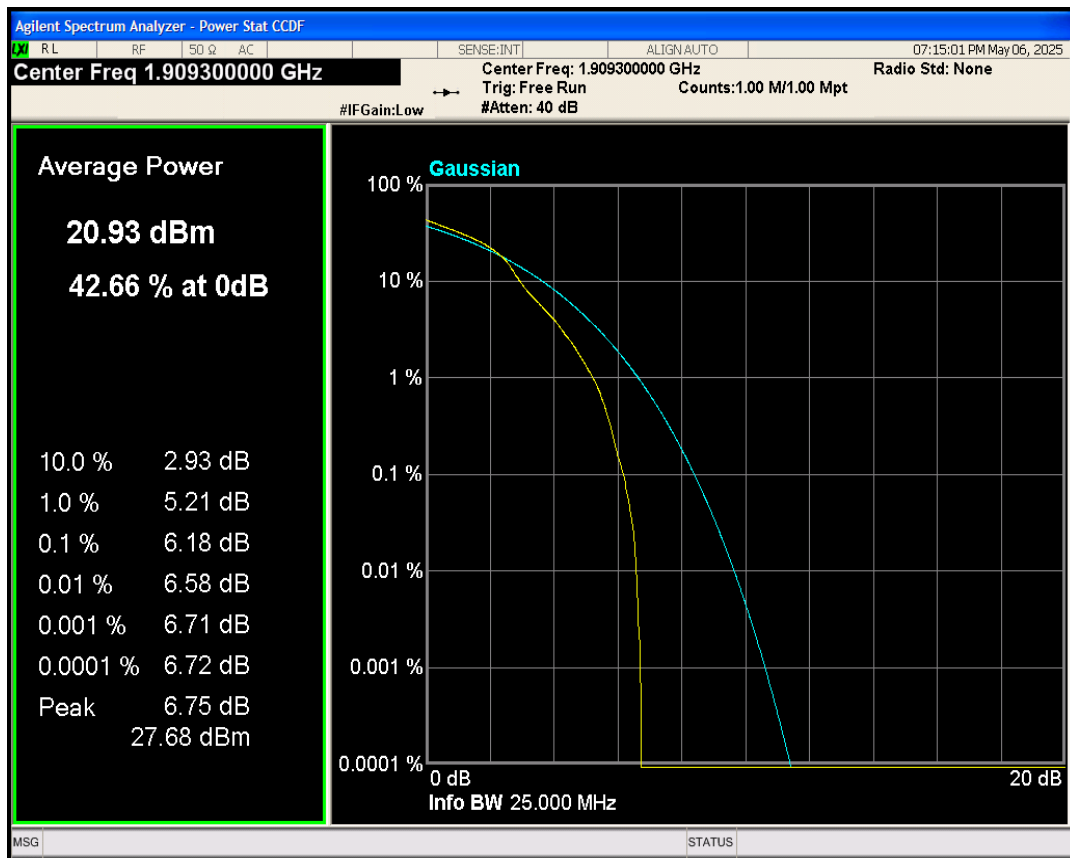


Band2 QPSK BW=1.4MHz Channel=19193 RB Size=1 Position=#0

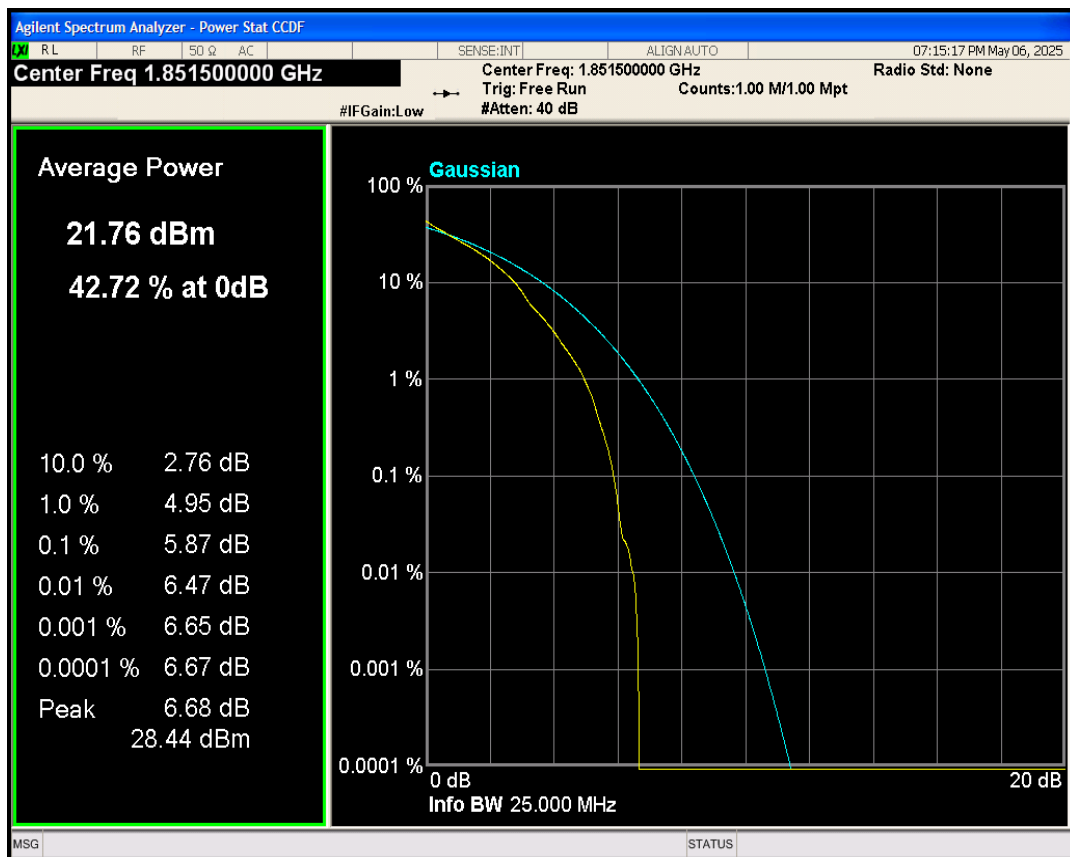




Band2 16QAM BW=1.4MHz Channel=19193 RB Size=1 Position=#0

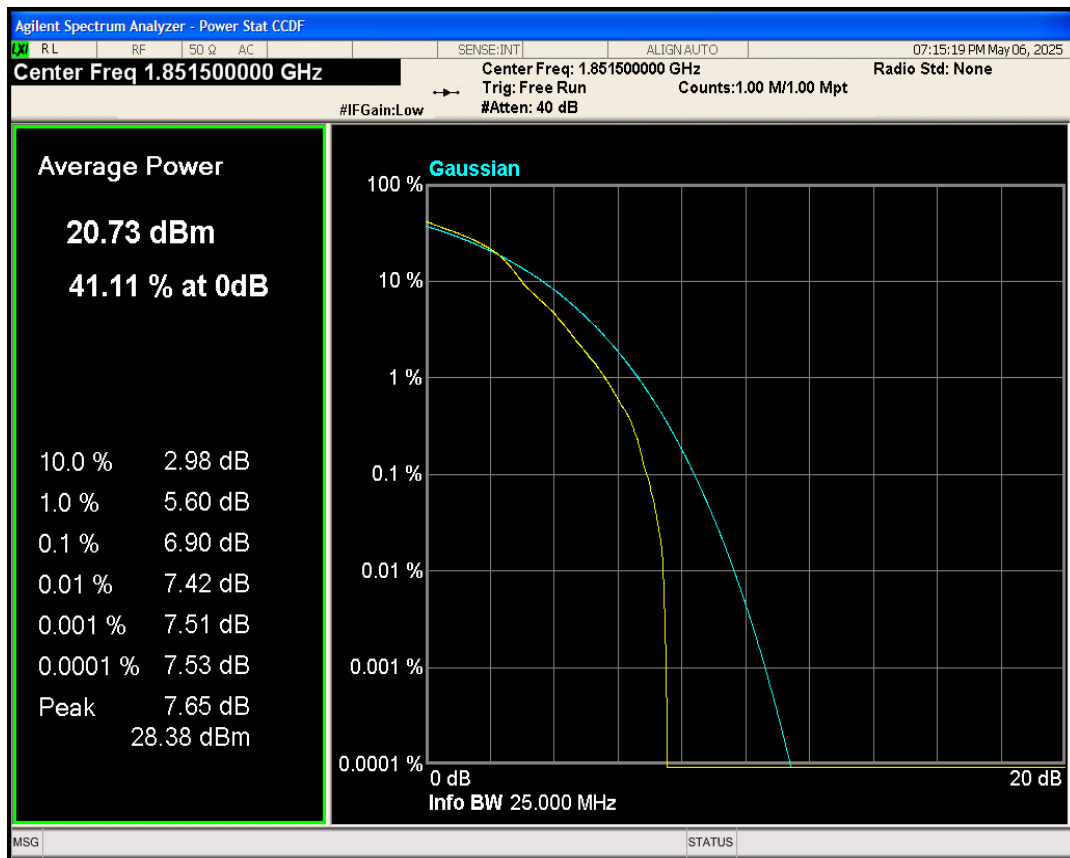


Band2 QPSK BW=3MHz Channel=18615 RB Size=1 Position=#0

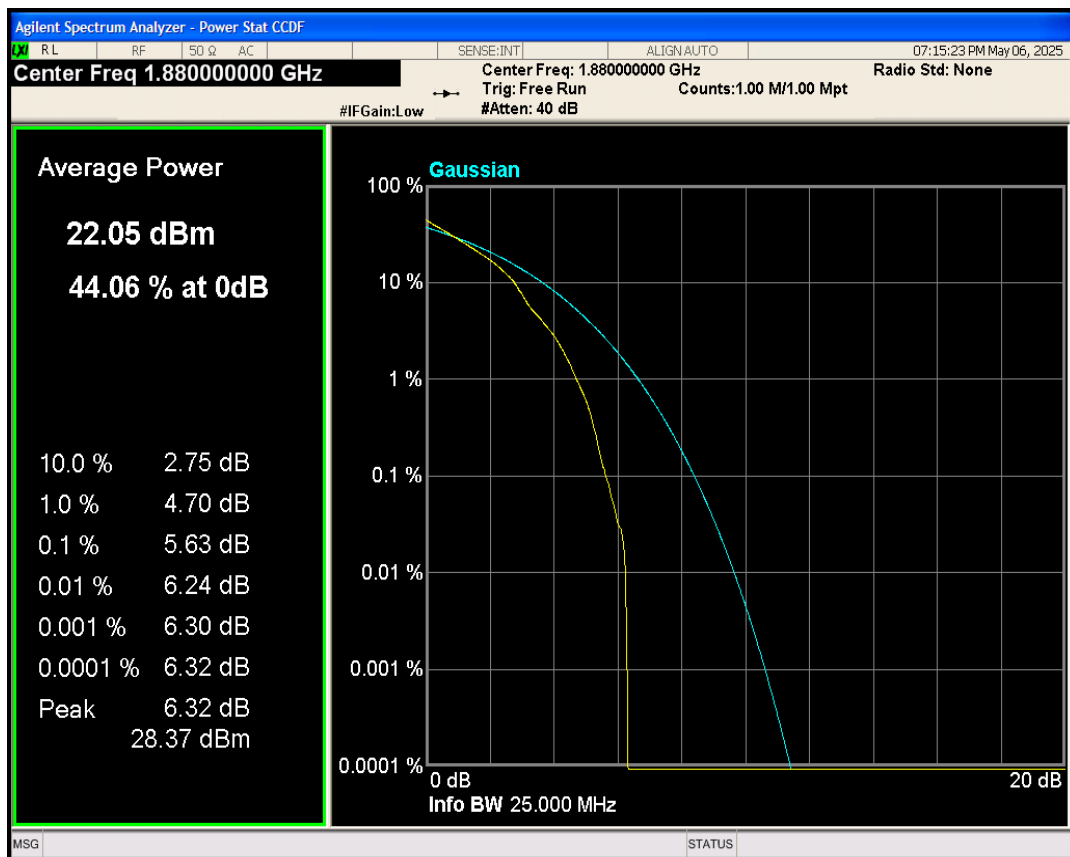




Band2 16QAM BW=3MHz Channel=18615 RB Size=1 Position=#0

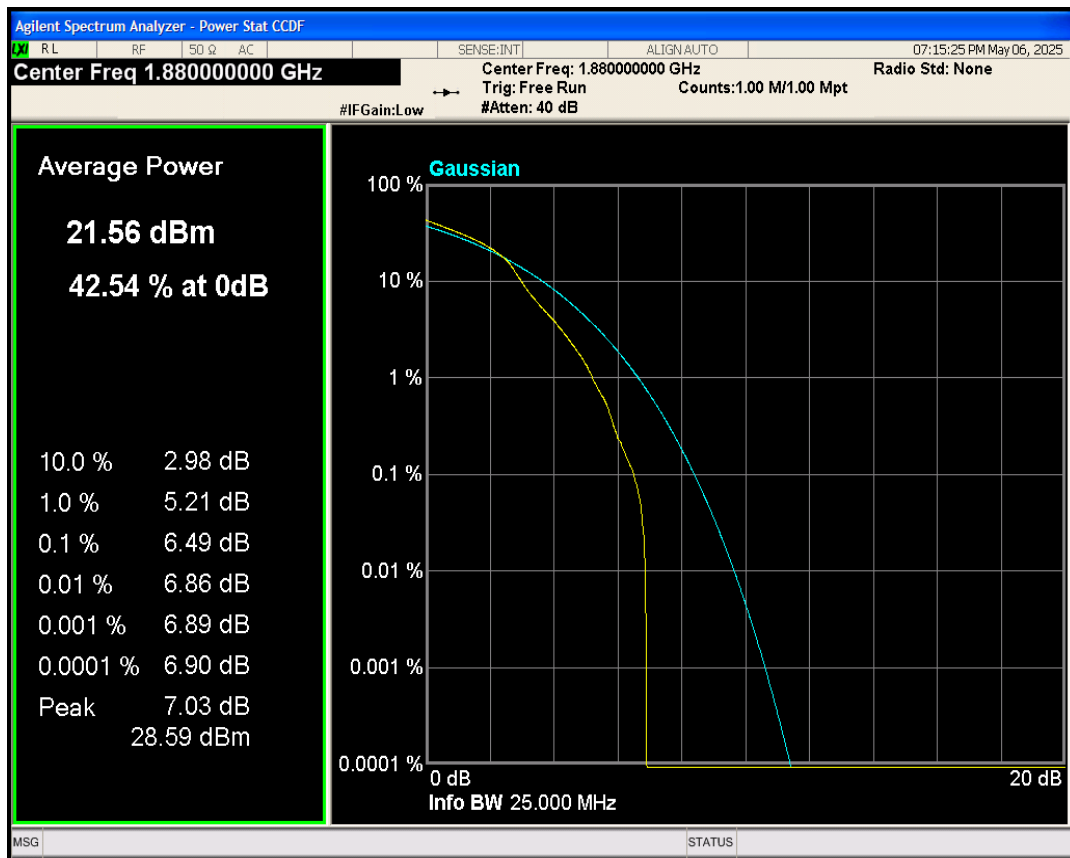


Band2 QPSK BW=3MHz Channel=18900 RB Size=1 Position=#0

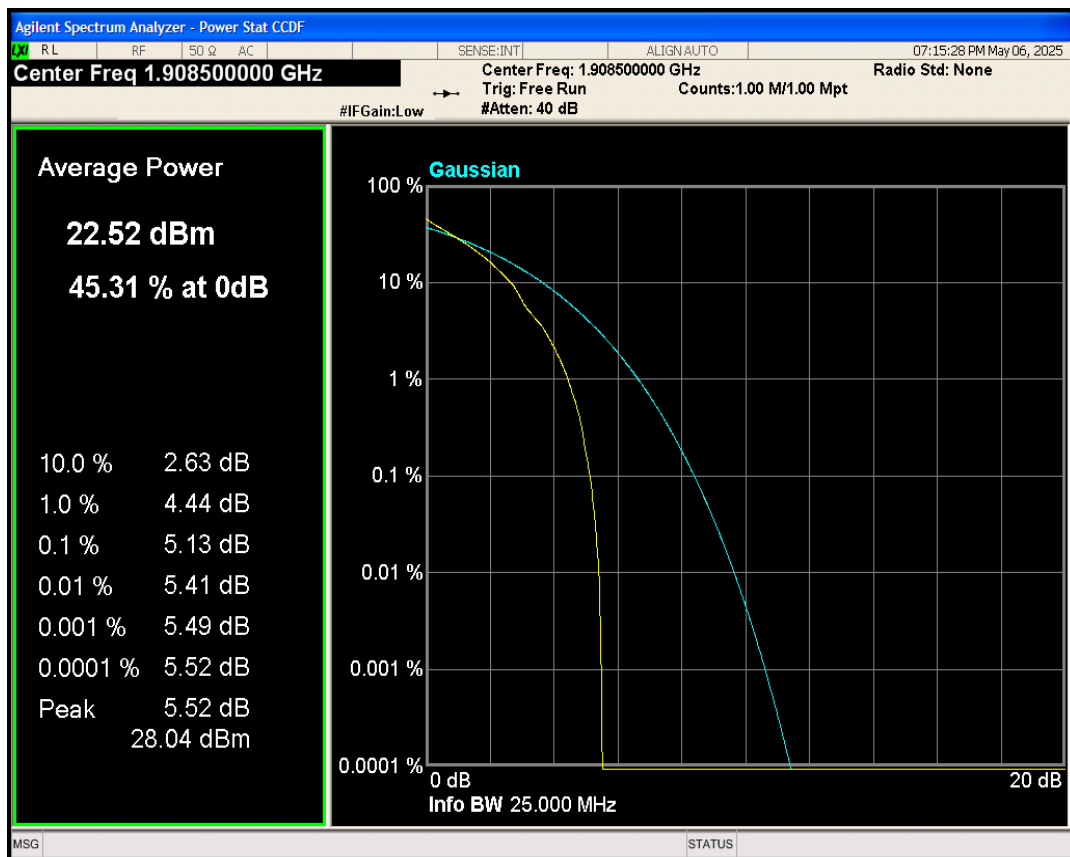




Band2 16QAM BW=3MHz Channel=18900 RB Size=1 Position=#0

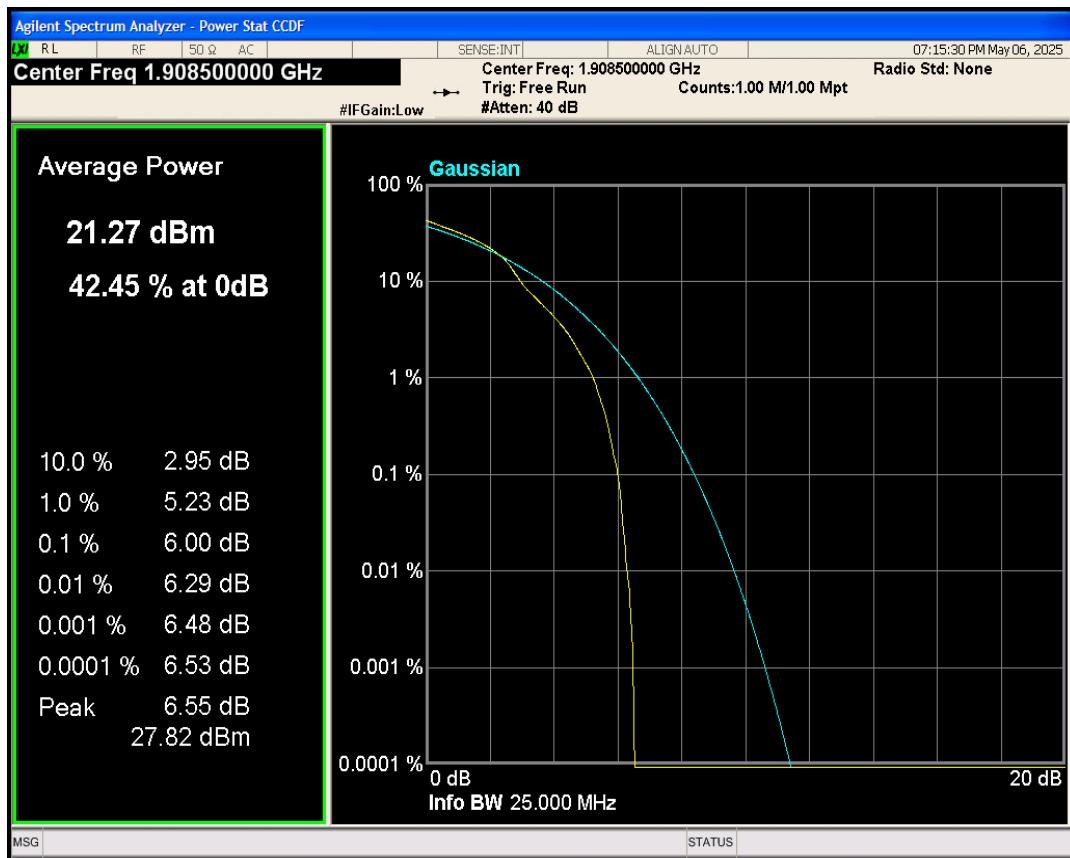


Band2 QPSK BW=3MHz Channel=19185 RB Size=1 Position=#0

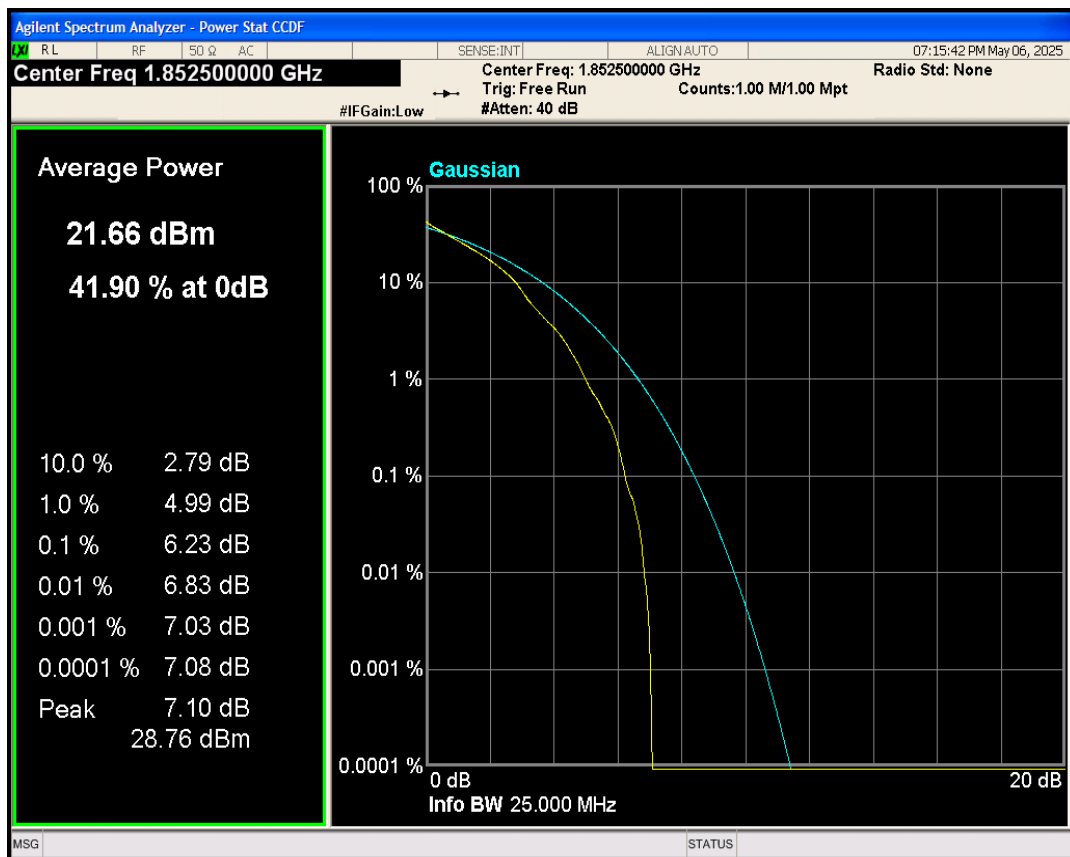




Band2 16QAM BW=3MHz Channel=19185 RB Size=1 Position=#0

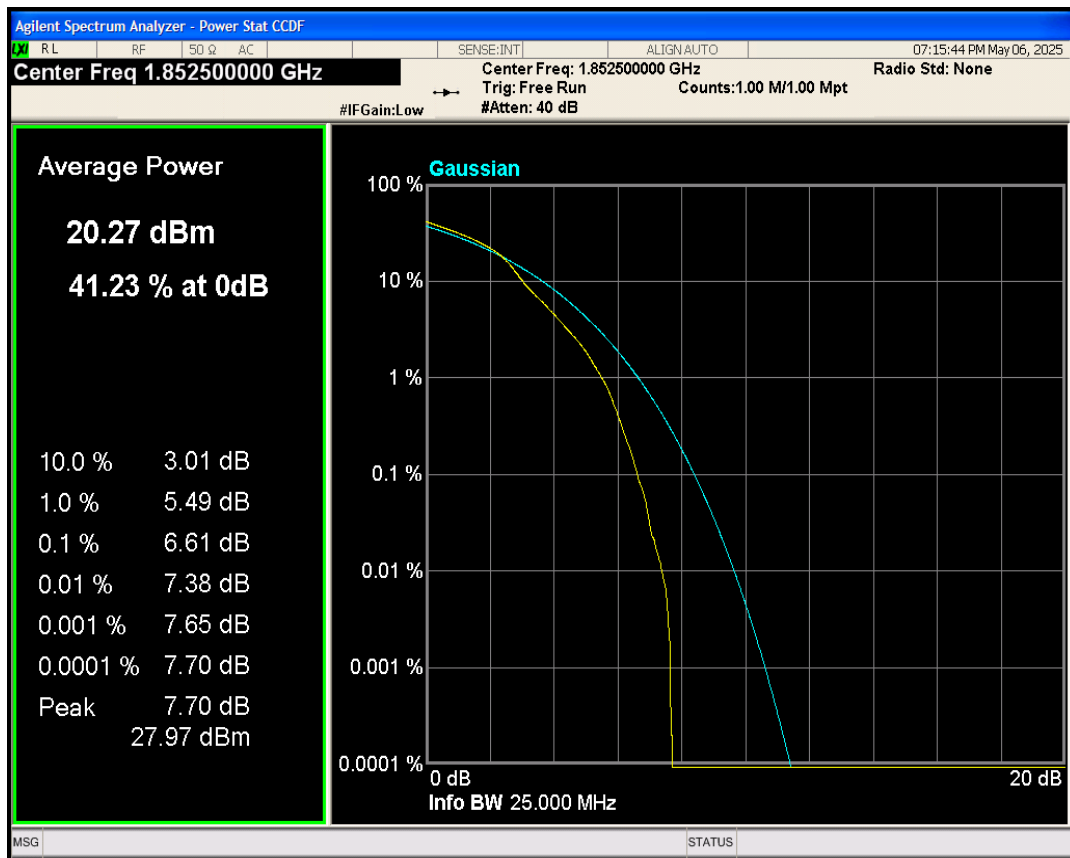


Band2 QPSK BW=5MHz Channel=18625 RB Size=1 Position=#0

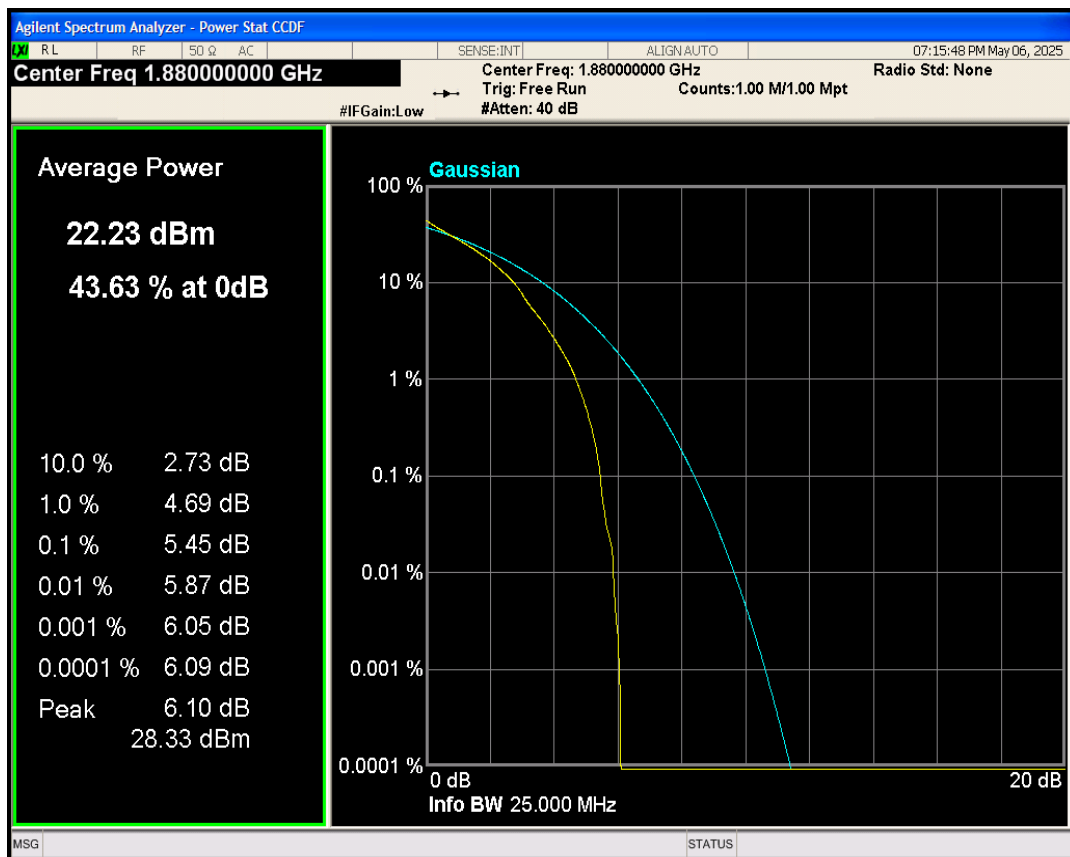




Band2 16QAM BW=5MHz Channel=18625 RB Size=1 Position=#0

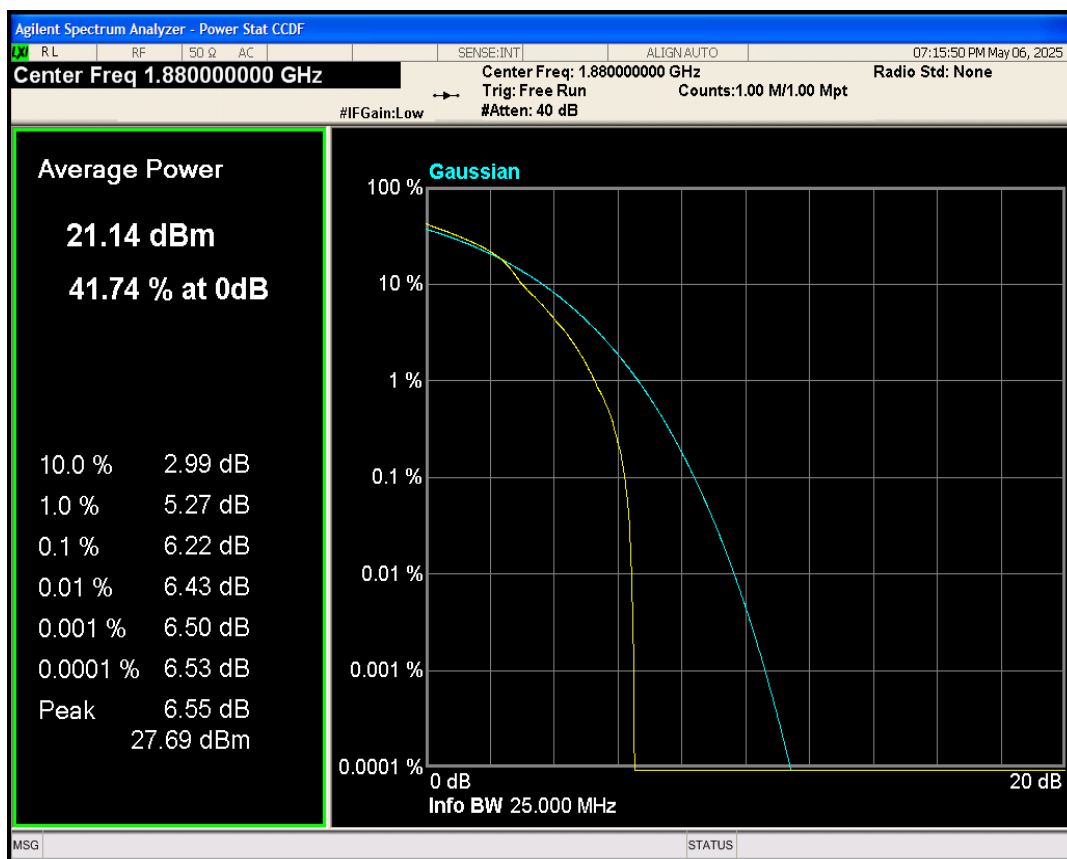


Band2 QPSK BW=5MHz Channel=18900 RB Size=1 Position=#0

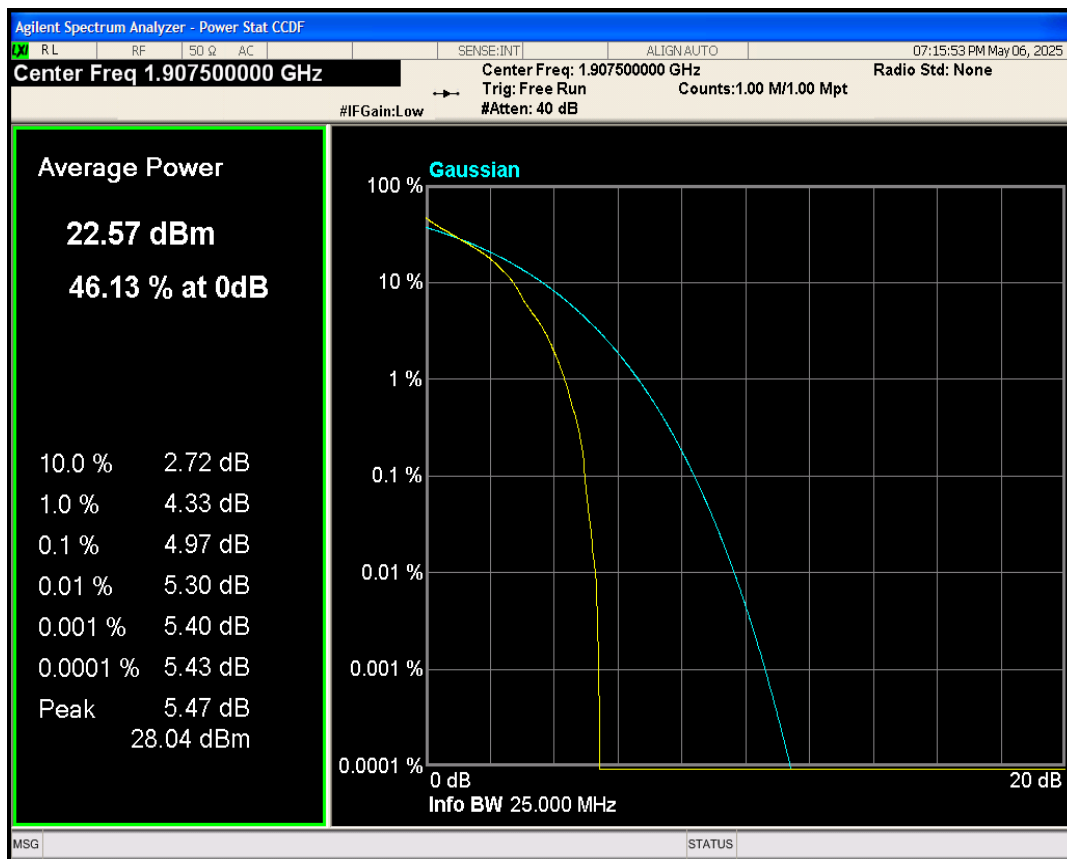




Band2 16QAM BW=5MHz Channel=18900 RB Size=1 Position=#0

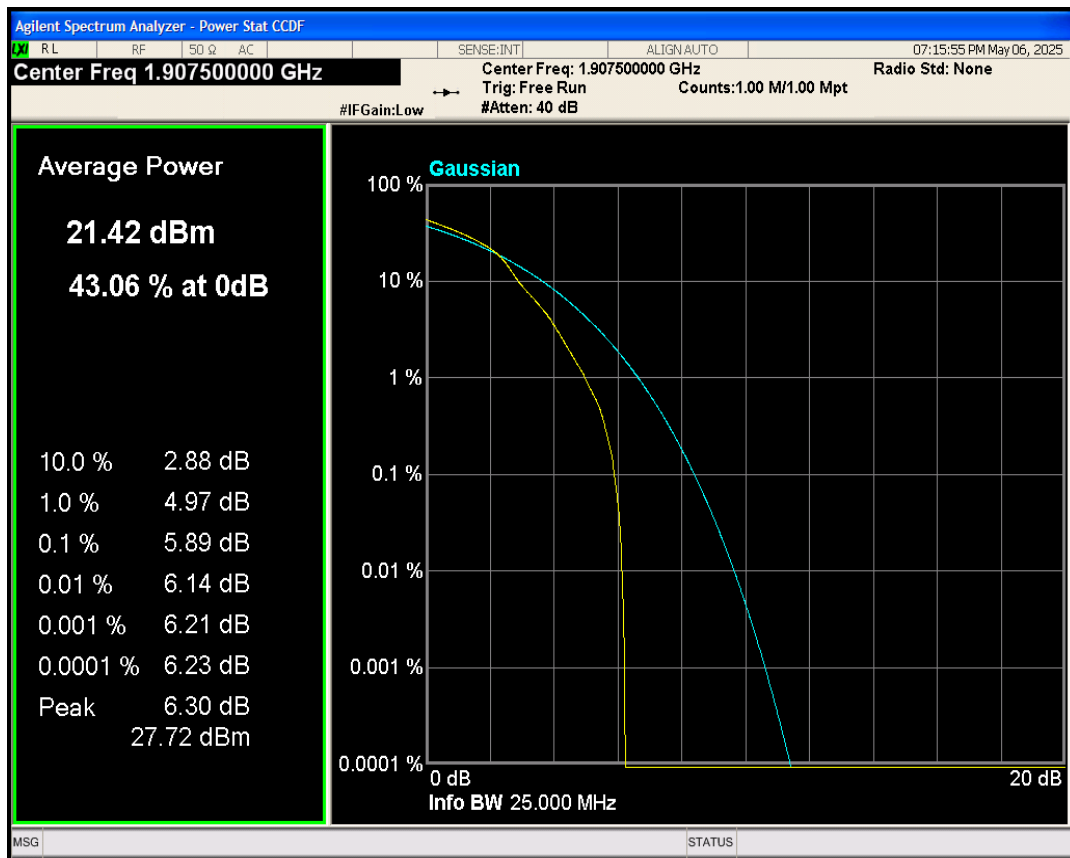


Band2 QPSK BW=5MHz Channel=19175 RB Size=1 Position=#0

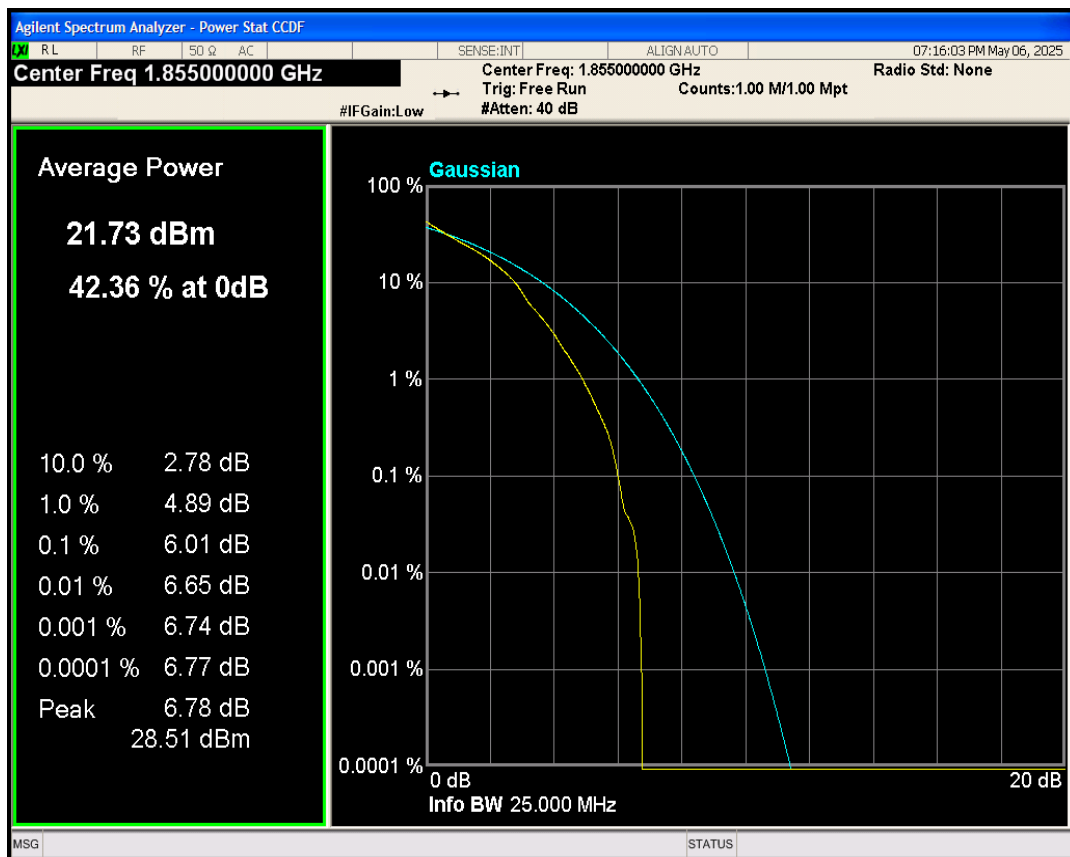




Band2 16QAM BW=5MHz Channel=19175 RB Size=1 Position=#0

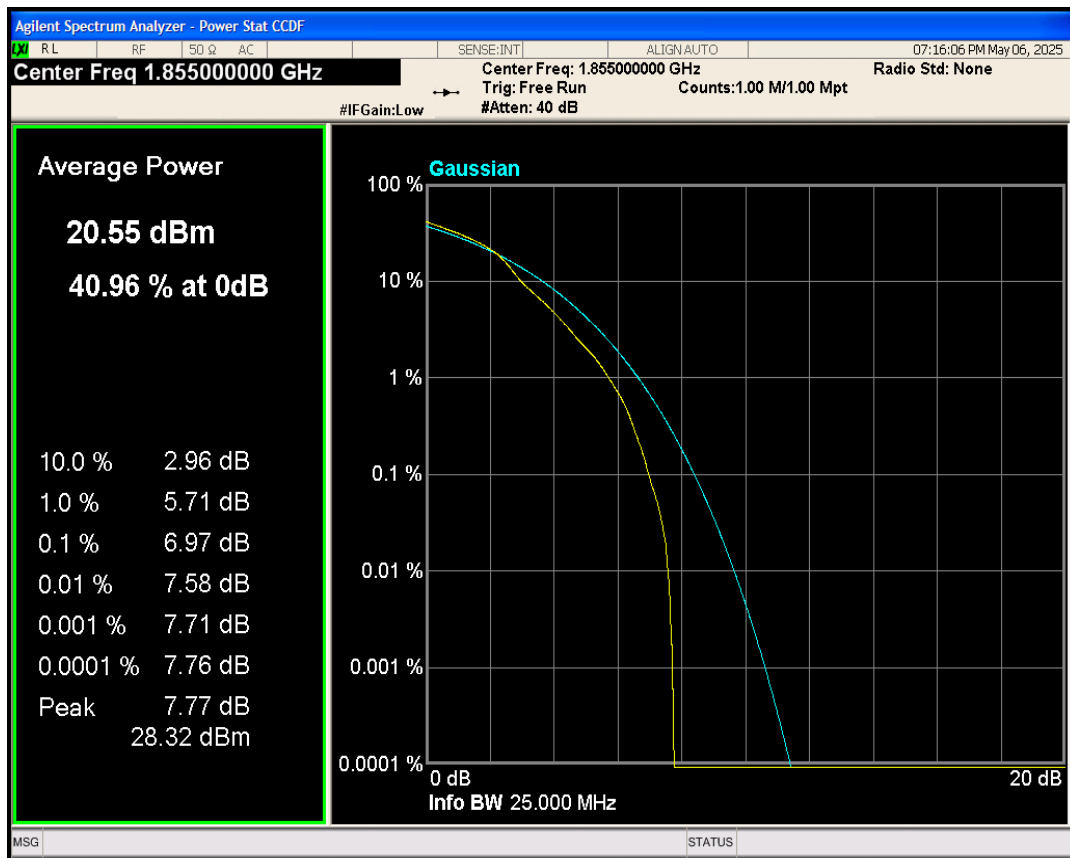


Band2 QPSK BW=10MHz Channel=18650 RB Size=1 Position=#0

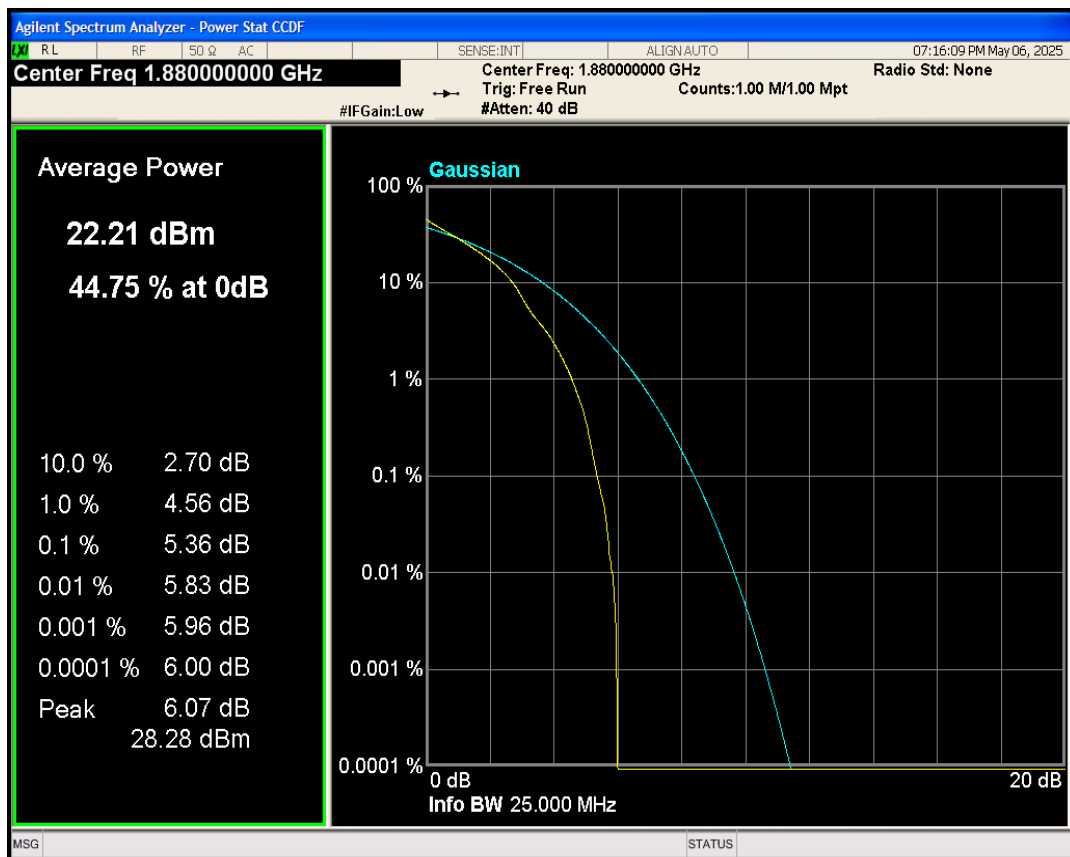




Band2 16QAM BW=10MHz Channel=18650 RB Size=1 Position=#0

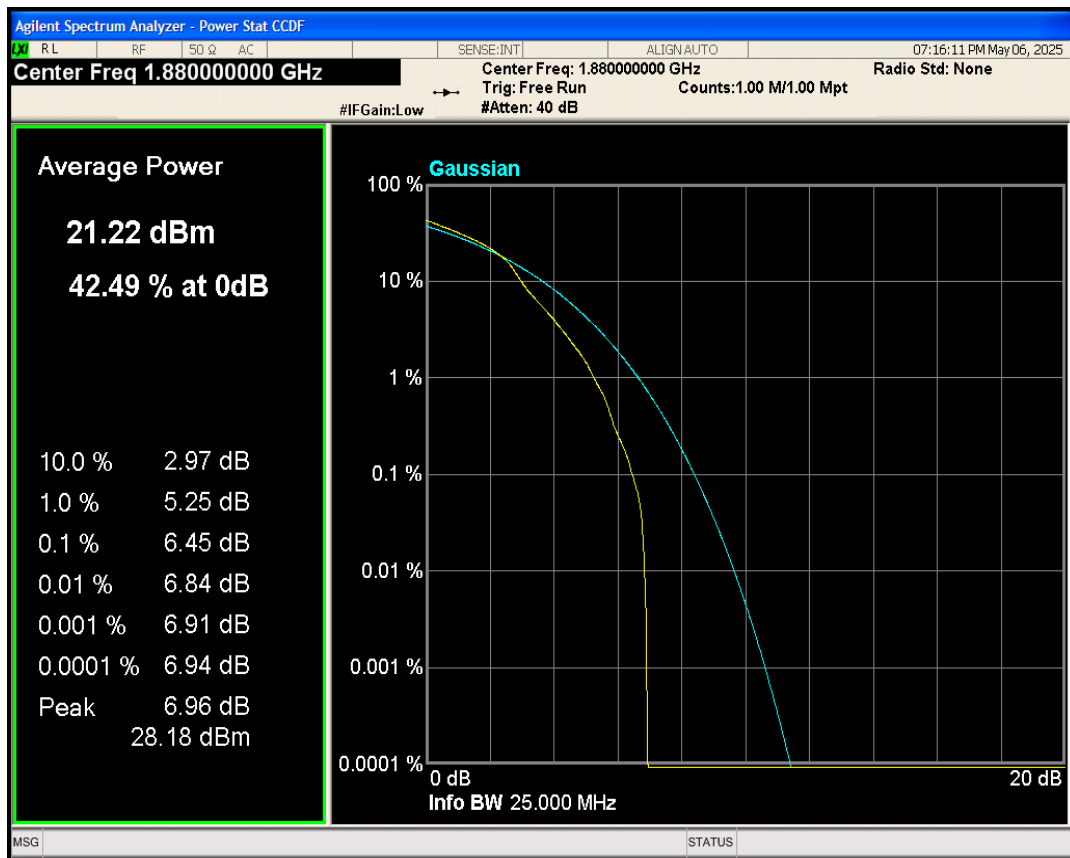


Band2 QPSK BW=10MHz Channel=18900 RB Size=1 Position=#0

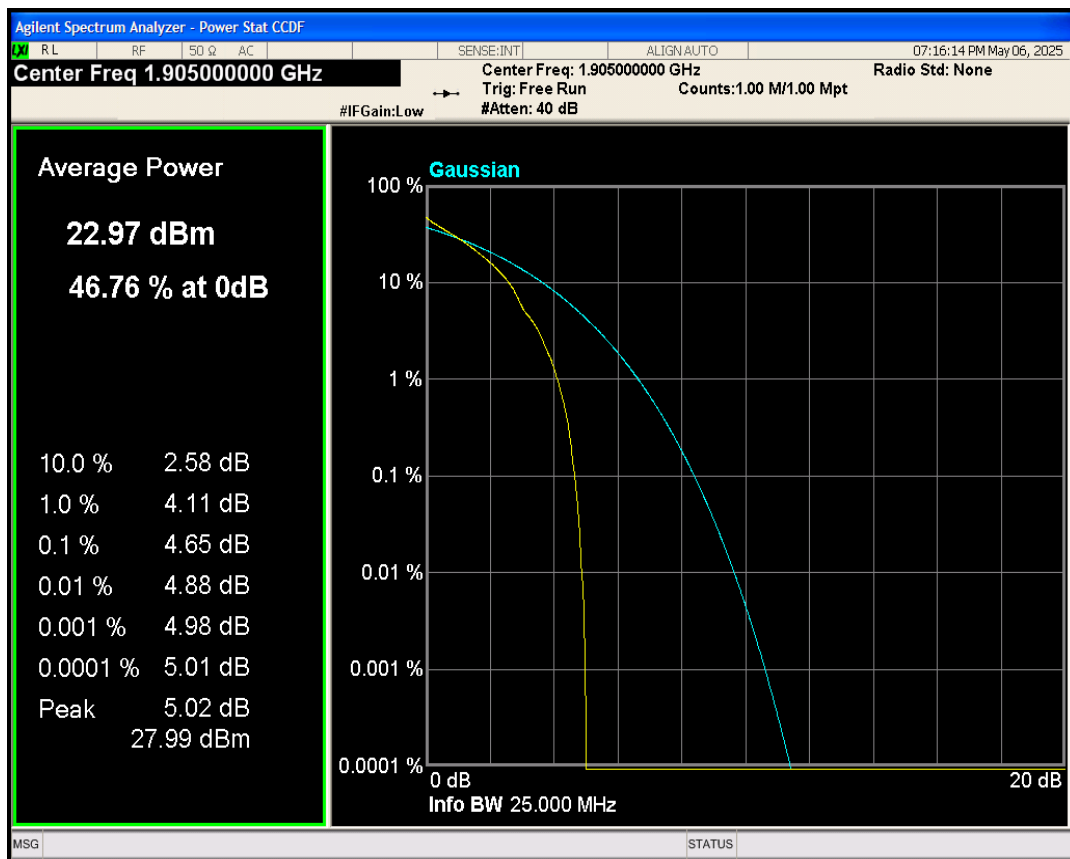




Band2 16QAM BW=10MHz Channel=18900 RB Size=1 Position=#0

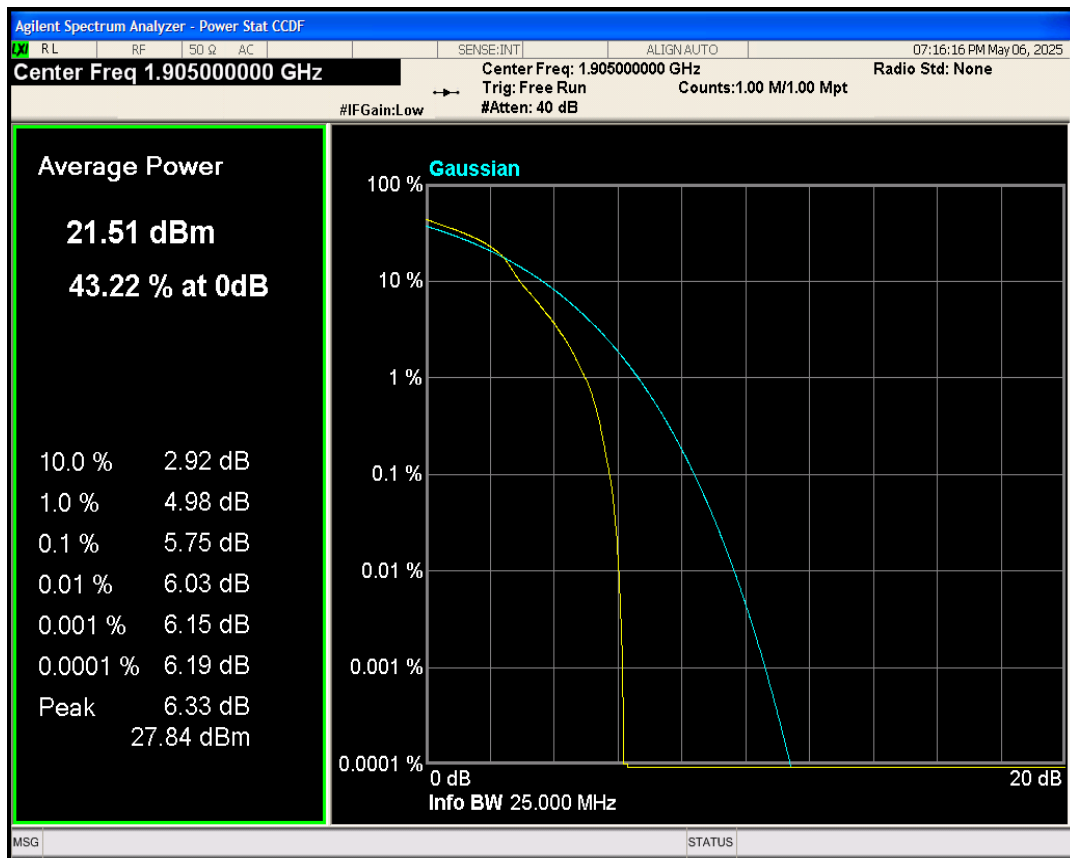


Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#0

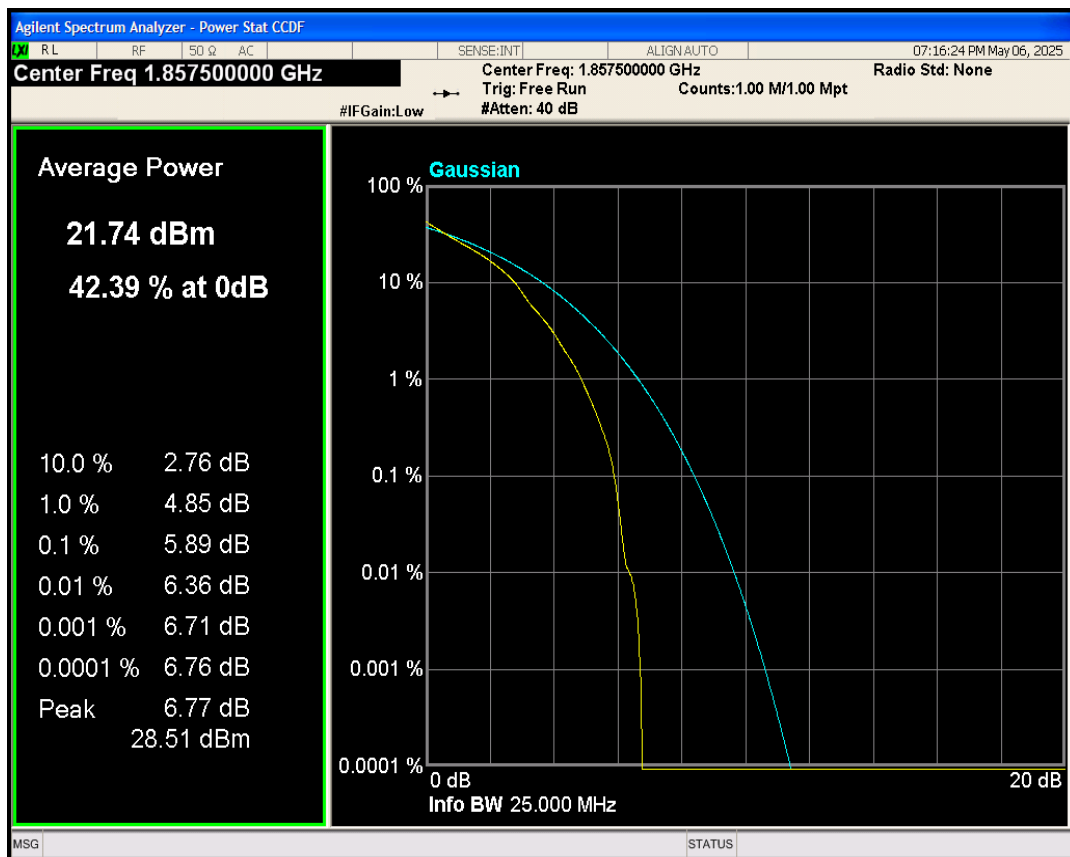




Band2 16QAM BW=10MHz Channel=19150 RB Size=1 Position=#0

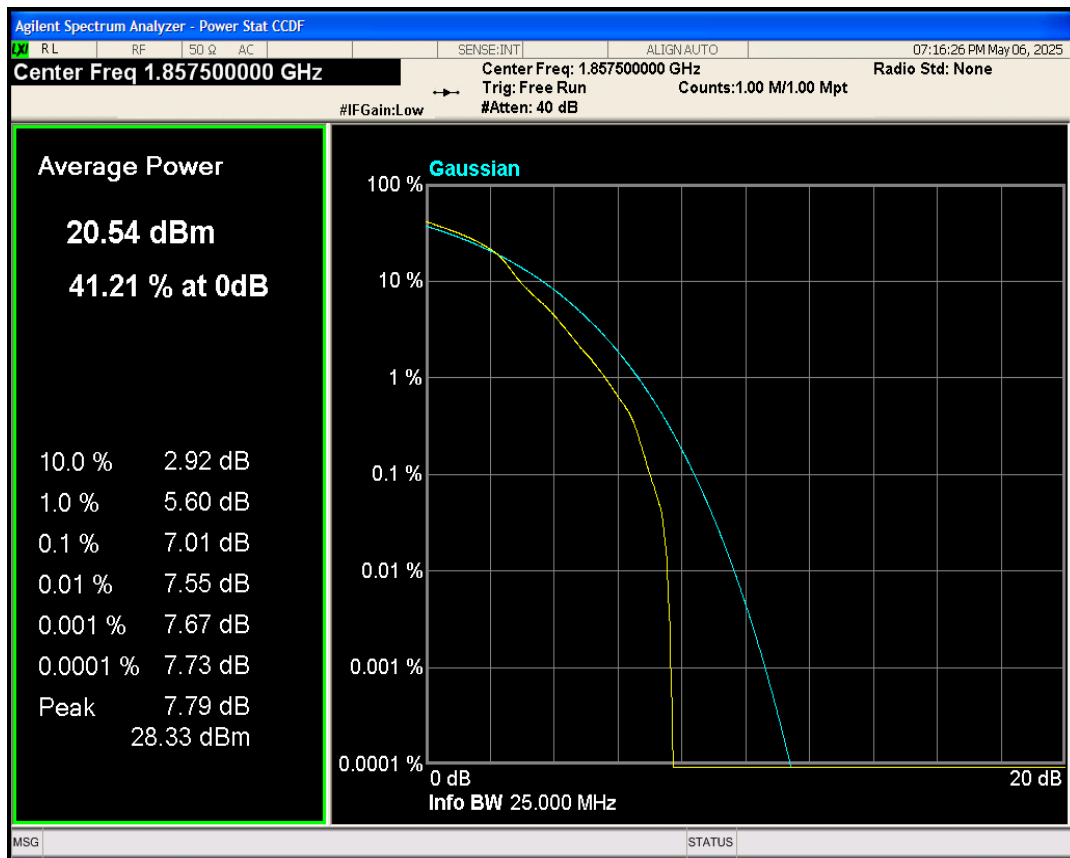


Band2 QPSK BW=15MHz Channel=18675 RB Size=1 Position=#0

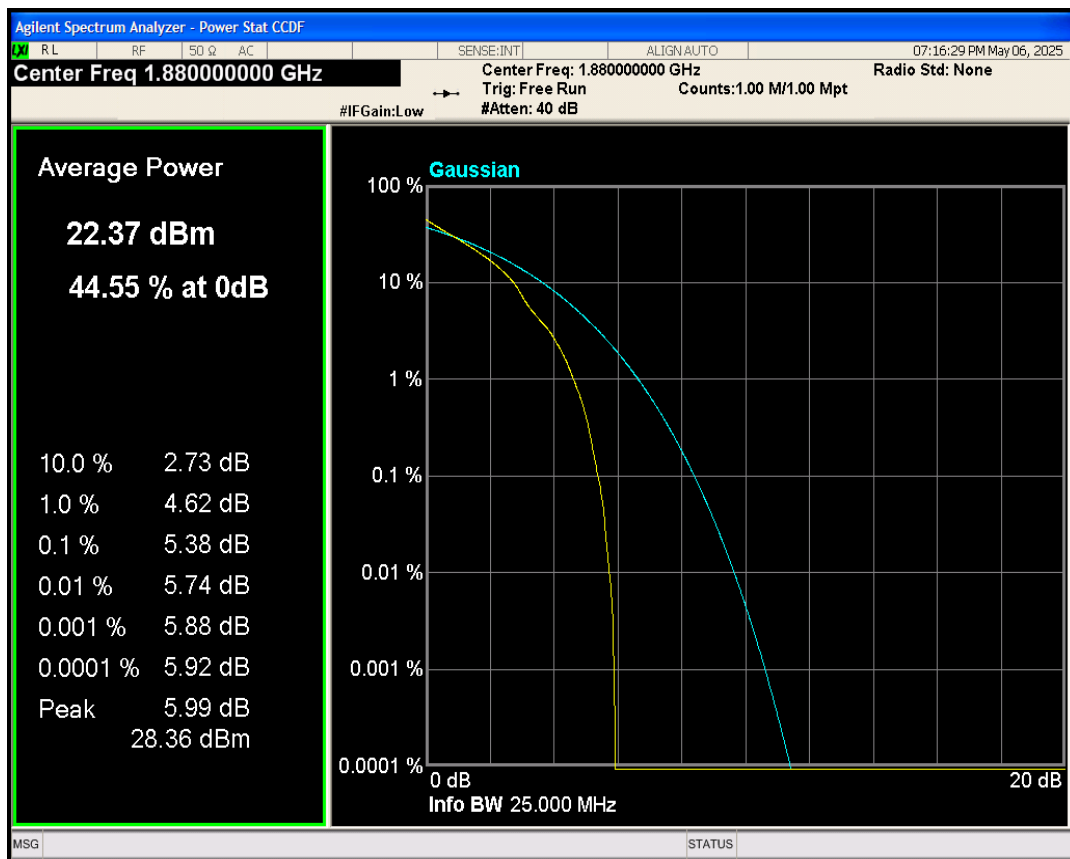




Band2 16QAM BW=15MHz Channel=18675 RB Size=1 Position=#0

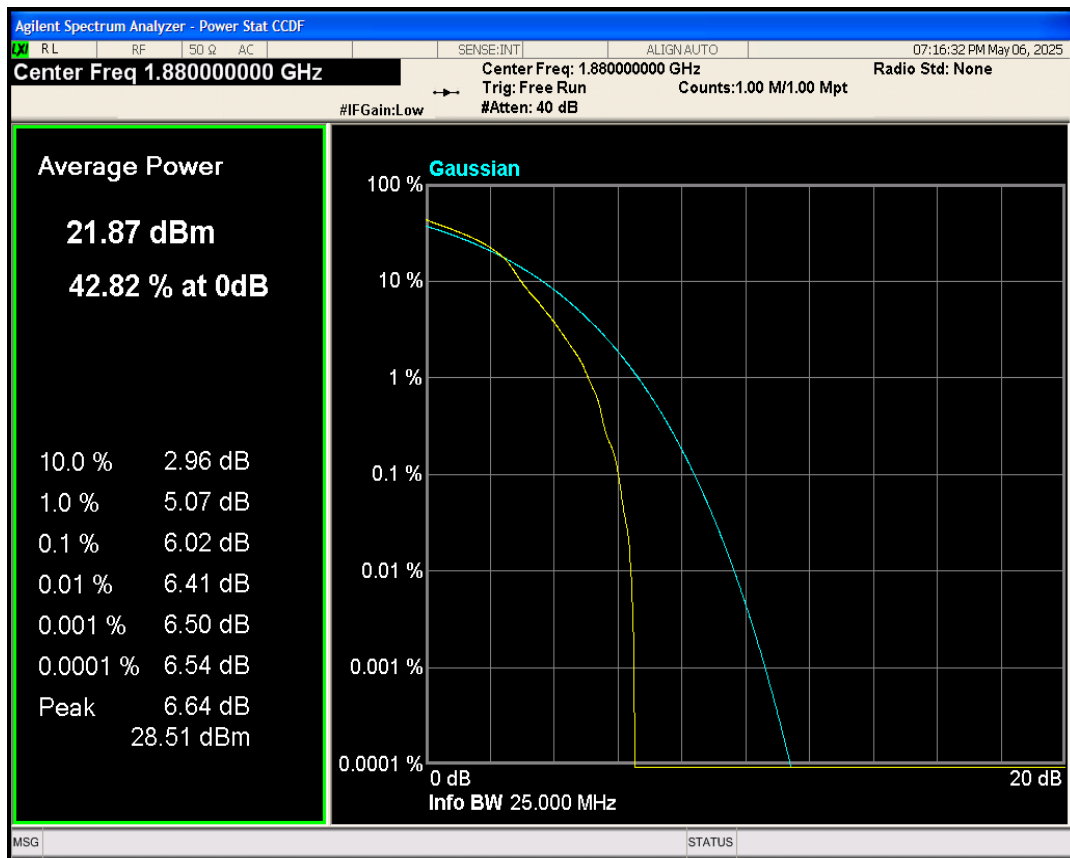


Band2 QPSK BW=15MHz Channel=18900 RB Size=1 Position=#0

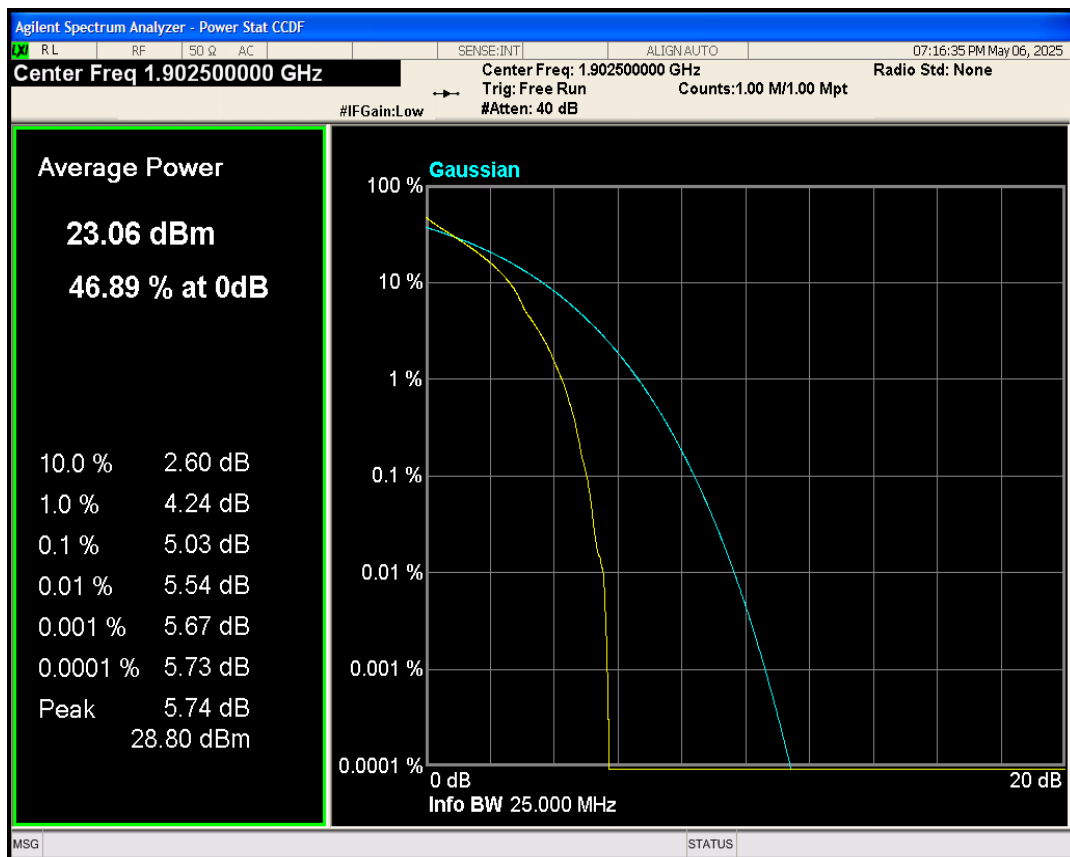




Band2 16QAM BW=15MHz Channel=18900 RB Size=1 Position=#0

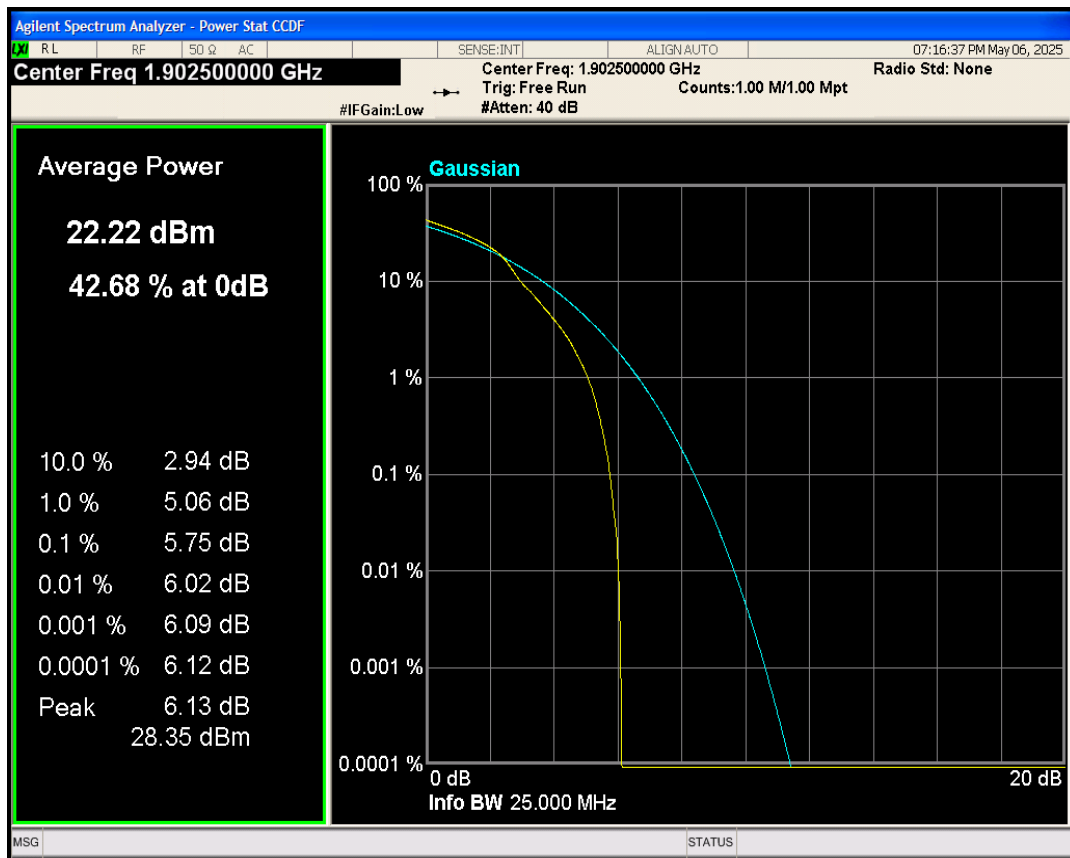


Band2 QPSK BW=15MHz Channel=19125 RB Size=1 Position=#0

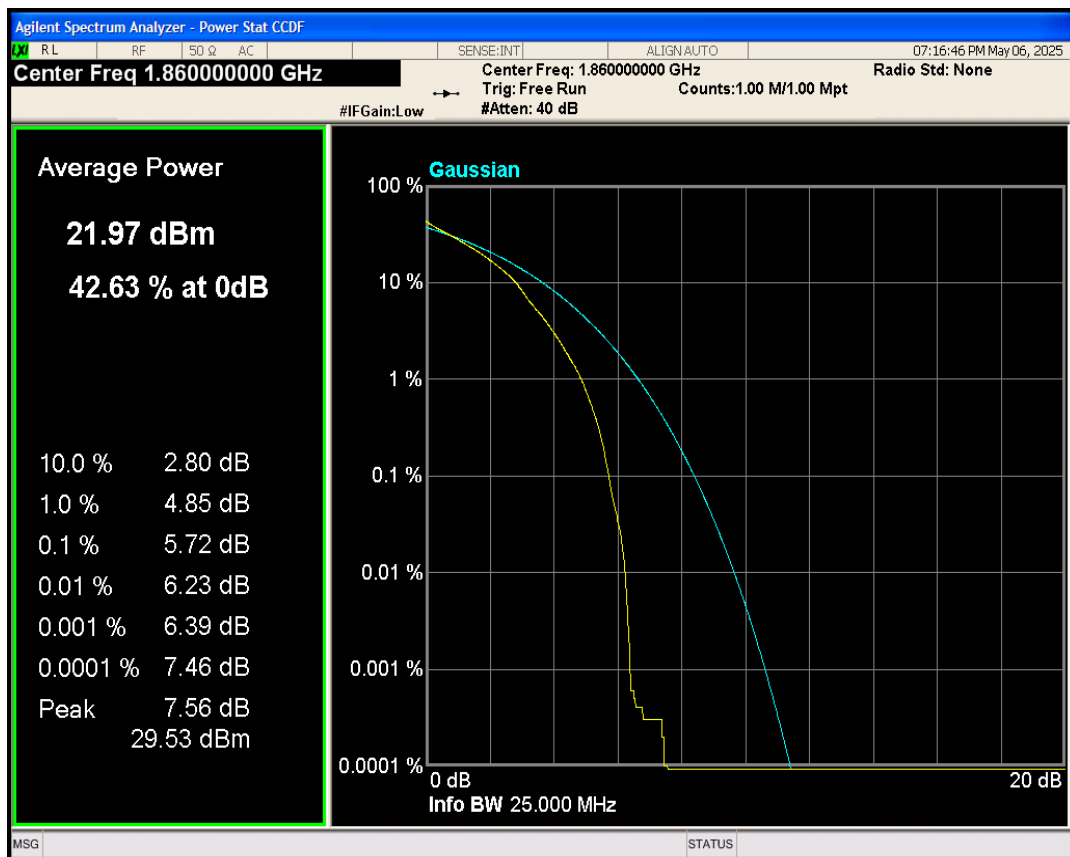




Band2 16QAM BW=15MHz Channel=19125 RB Size=1 Position=#0

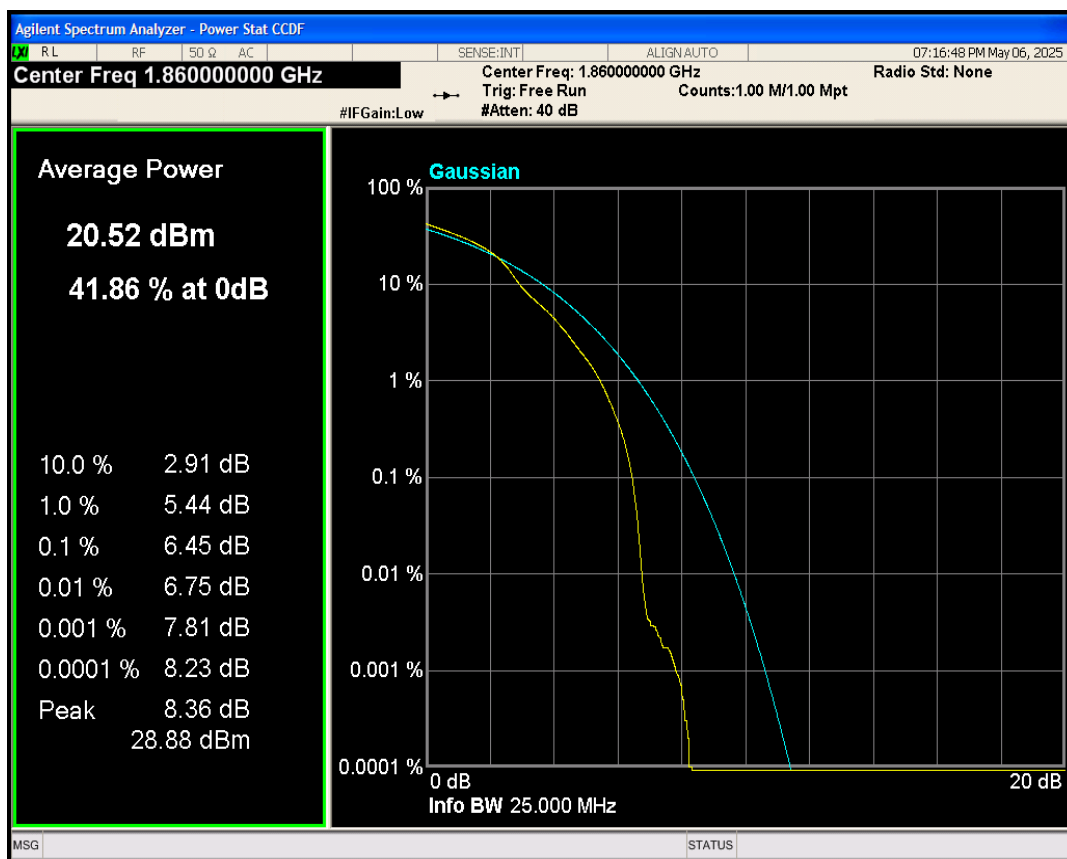


Band2 QPSK BW=20MHz Channel=18700 RB Size=1 Position=#0

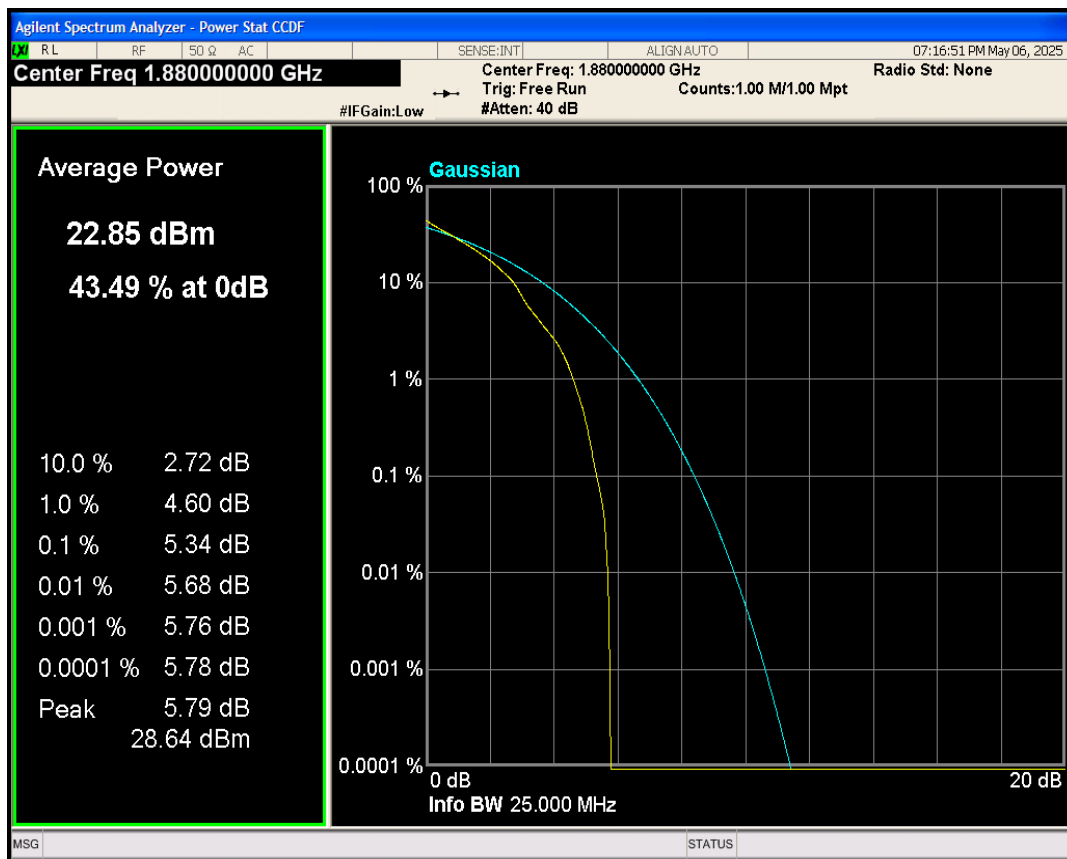




Band2 16QAM BW=20MHz Channel=18700 RB Size=1 Position=#0

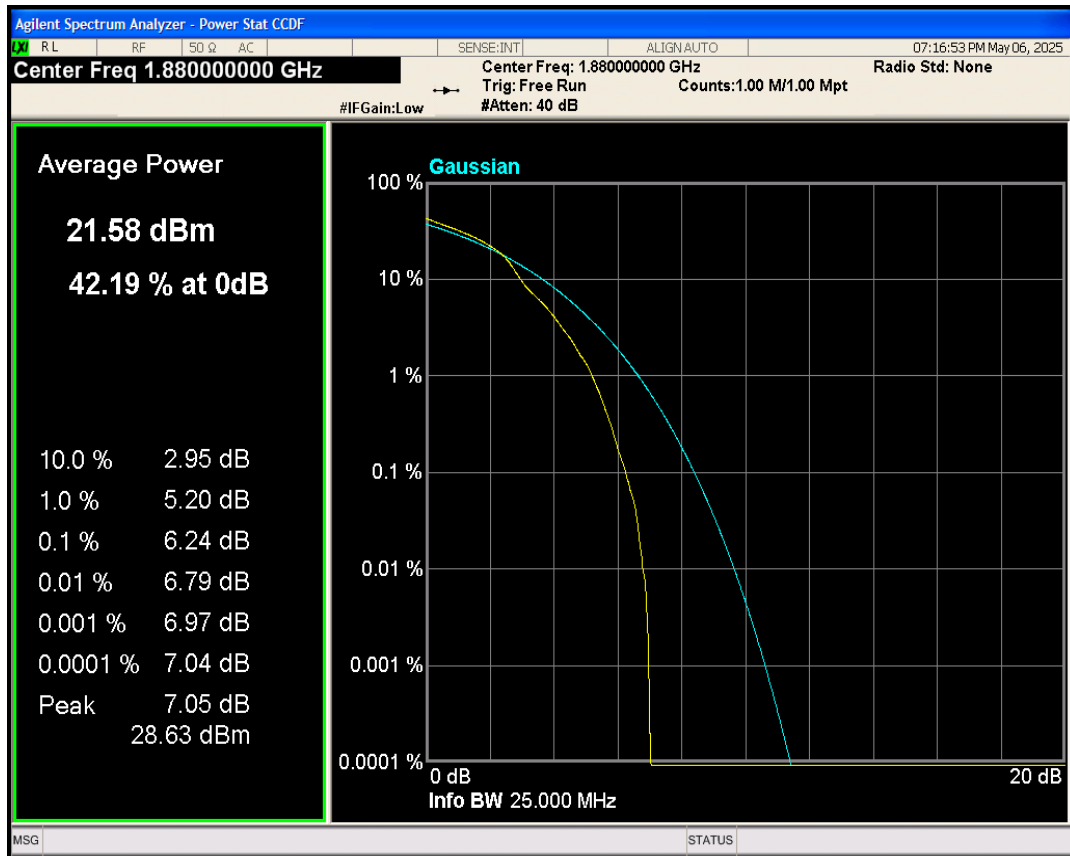


Band2 QPSK BW=20MHz Channel=18900 RB Size=1 Position=#0

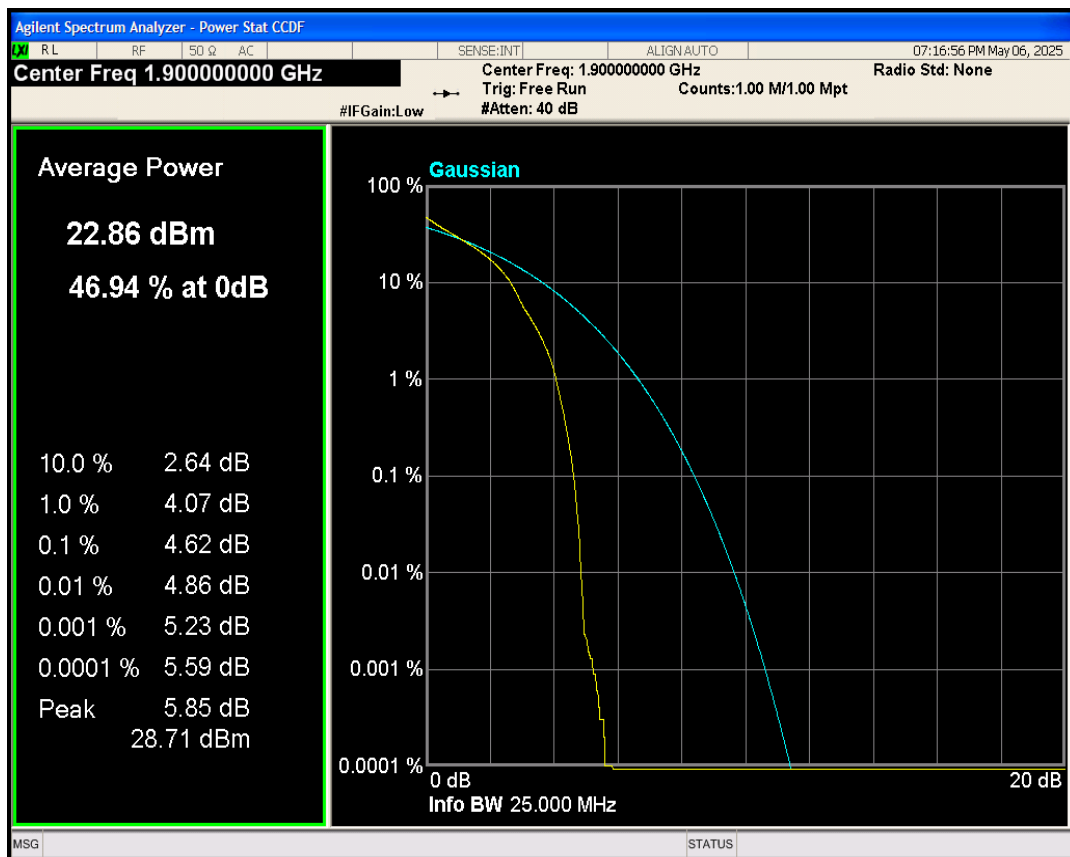




Band2 16QAM BW=20MHz Channel=18900 RB Size=1 Position=#0

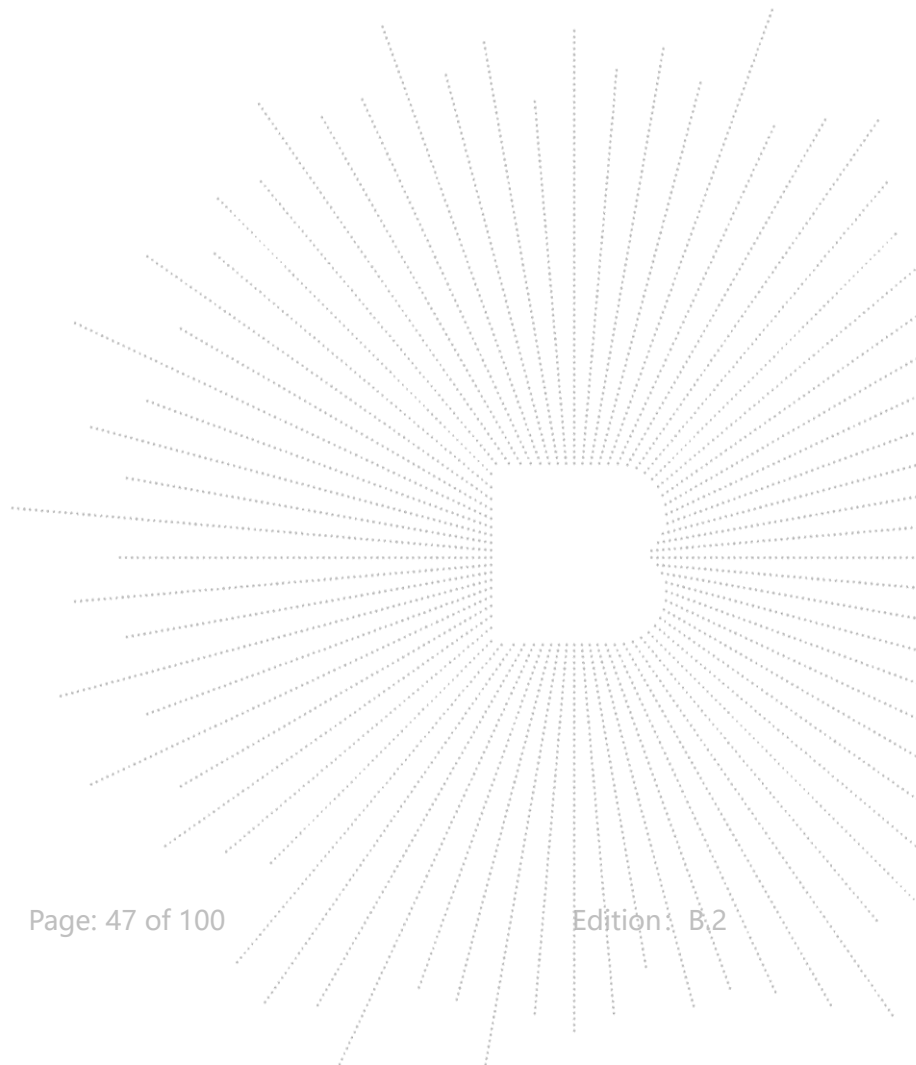
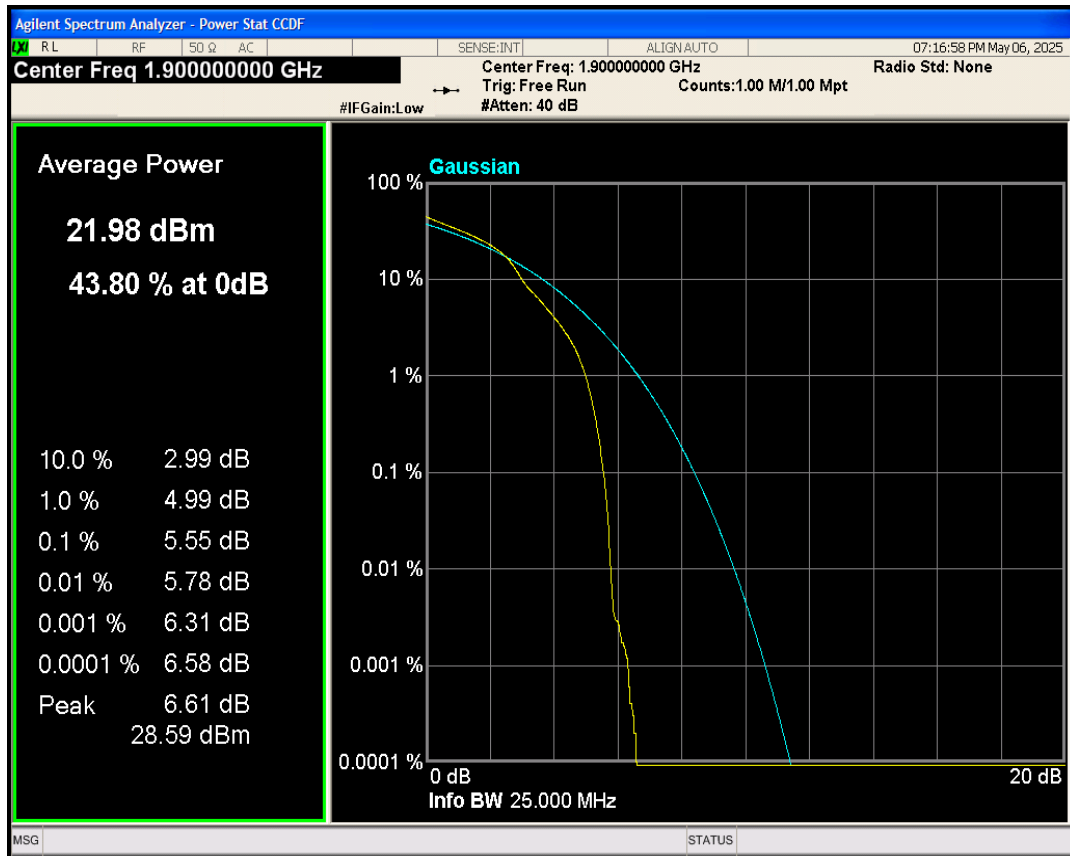


Band2 QPSK BW=20MHz Channel=19100 RB Size=1 Position=#0





Band2 16QAM BW=20MHz Channel=19100 RB Size=1 Position=#0

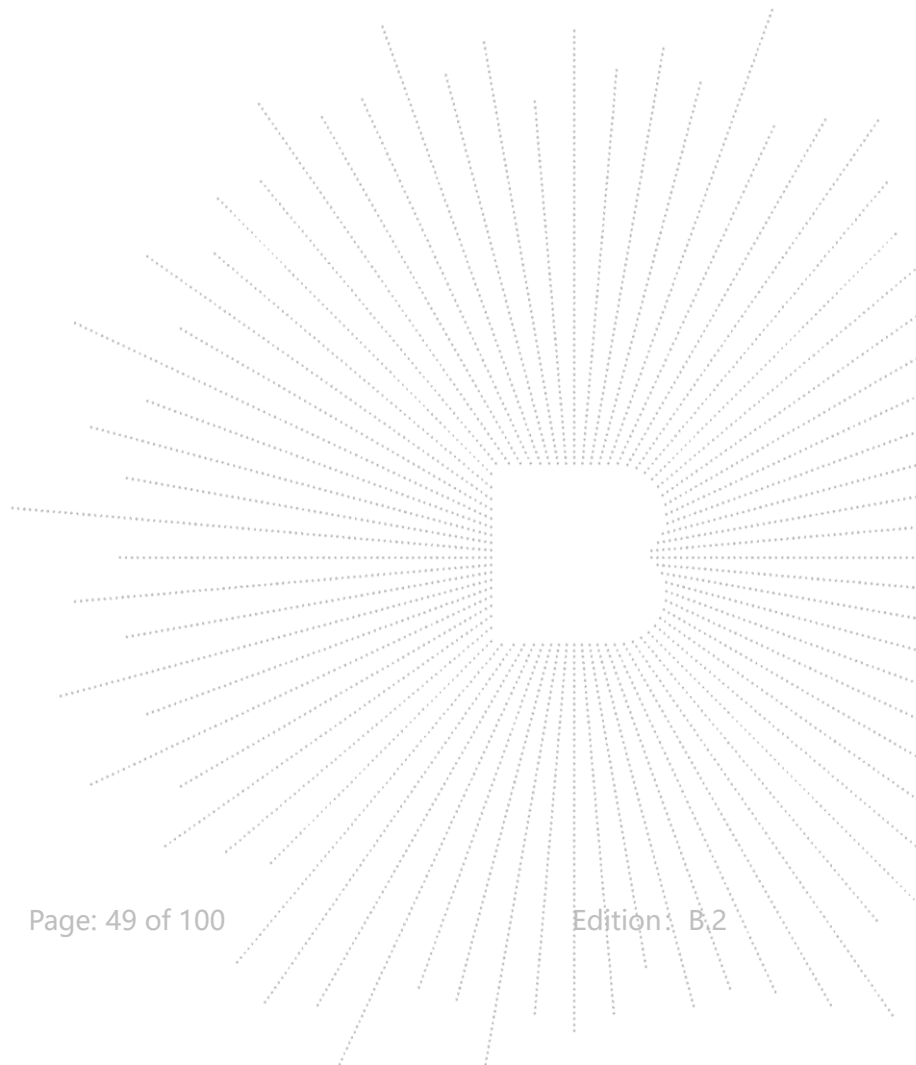
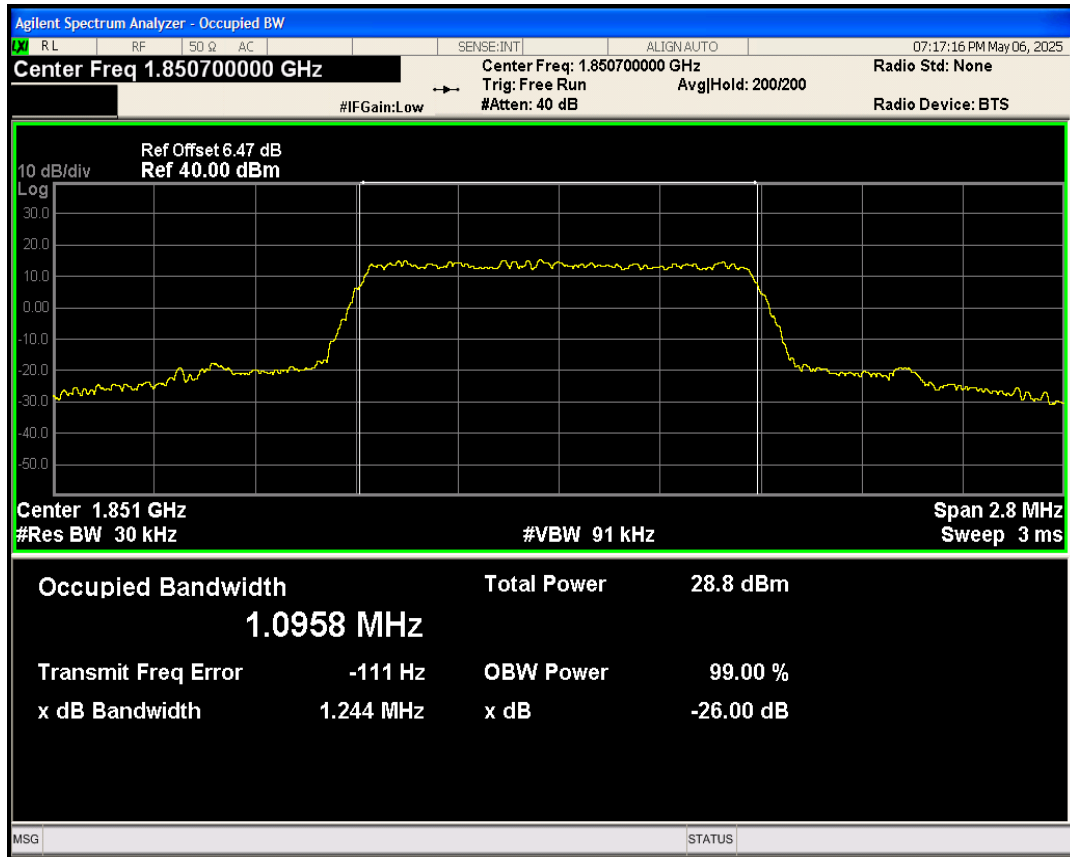


Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band2	1.4	18607	6	#0	QPSK	1.096	1.244	PASS
Band2	1.4	18607	6	#0	16QAM	1.094	1.243	PASS
Band2	1.4	18900	6	#0	QPSK	1.091	1.262	PASS
Band2	1.4	18900	6	#0	16QAM	1.092	1.251	PASS
Band2	1.4	19193	6	#0	QPSK	1.096	1.253	PASS
Band2	1.4	19193	6	#0	16QAM	1.098	1.256	PASS
Band2	3	18615	15	#0	QPSK	2.720	3.035	PASS
Band2	3	18615	15	#0	16QAM	2.704	3.042	PASS
Band2	3	18900	15	#0	QPSK	2.725	3.030	PASS
Band2	3	18900	15	#0	16QAM	2.716	3.036	PASS
Band2	3	19185	15	#0	QPSK	2.722	3.023	PASS
Band2	3	19185	15	#0	16QAM	2.719	3.027	PASS
Band2	5	18625	25	#0	QPSK	4.531	4.936	PASS
Band2	5	18625	25	#0	16QAM	4.518	4.960	PASS
Band2	5	18900	25	#0	QPSK	4.523	4.968	PASS
Band2	5	18900	25	#0	16QAM	4.515	4.954	PASS
Band2	5	19175	25	#0	QPSK	4.503	4.937	PASS
Band2	5	19175	25	#0	16QAM	4.513	4.961	PASS
Band2	10	18650	50	#0	QPSK	9.023	9.896	PASS
Band2	10	18650	50	#0	16QAM	9.031	9.937	PASS
Band2	10	18900	50	#0	QPSK	8.996	9.684	PASS
Band2	10	18900	50	#0	16QAM	8.991	9.748	PASS
Band2	10	19150	50	#0	QPSK	8.979	9.793	PASS
Band2	10	19150	50	#0	16QAM	8.984	9.840	PASS
Band2	15	18675	75	#0	QPSK	13.520	14.601	PASS
Band2	15	18675	75	#0	16QAM	13.459	14.847	PASS
Band2	15	18900	75	#0	QPSK	13.469	14.725	PASS
Band2	15	18900	75	#0	16QAM	13.497	14.877	PASS
Band2	15	19125	75	#0	QPSK	13.448	14.743	PASS
Band2	15	19125	75	#0	16QAM	13.433	14.515	PASS
Band2	20	18700	100	#0	QPSK	17.964	19.317	PASS
Band2	20	18700	100	#0	16QAM	17.950	19.469	PASS
Band2	20	18900	100	#0	QPSK	18.013	19.412	PASS
Band2	20	18900	100	#0	16QAM	18.075	19.556	PASS
Band2	20	19100	100	#0	QPSK	17.908	19.482	PASS
Band2	20	19100	100	#0	16QAM	17.913	19.456	PASS

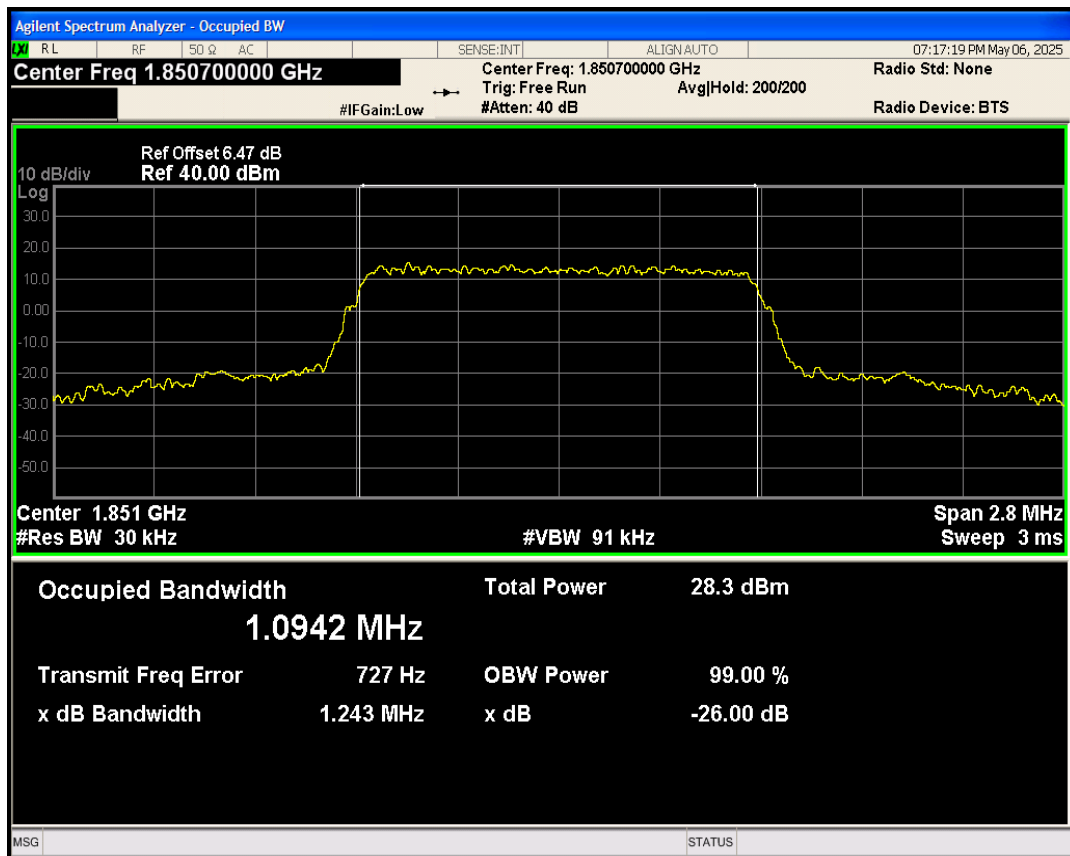


Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0

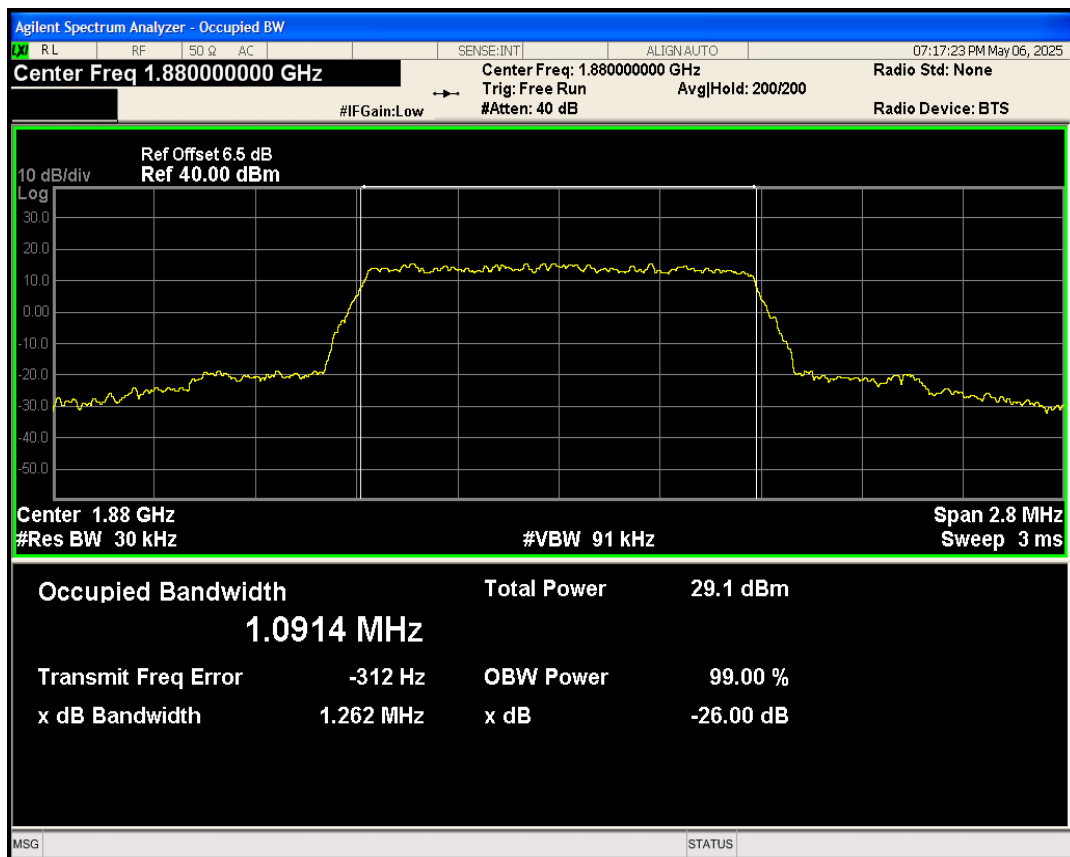




Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0

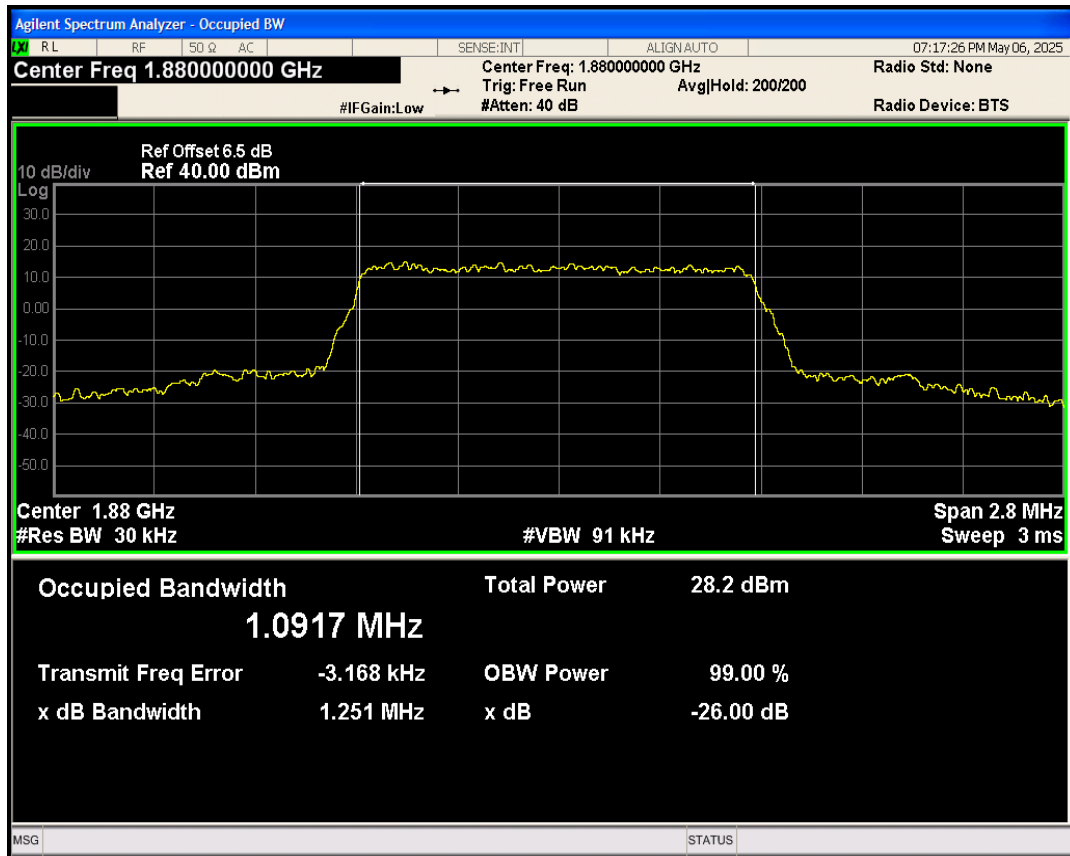


Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0

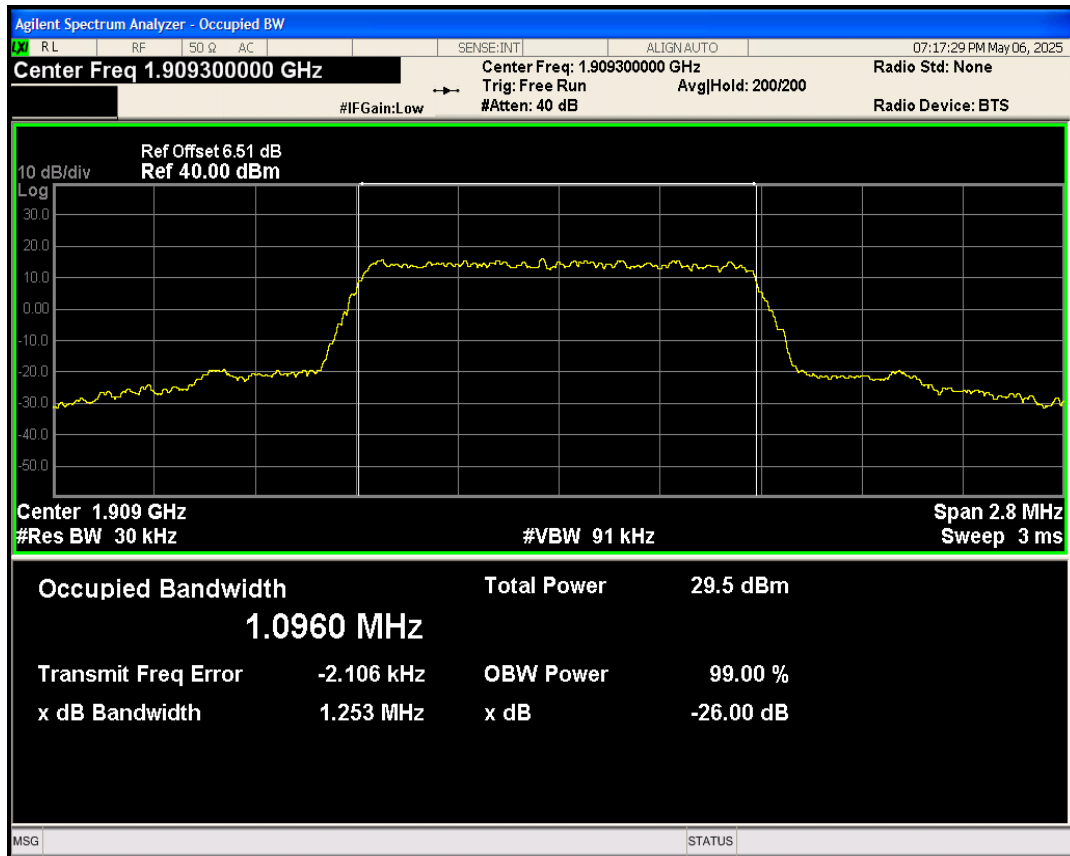




Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0

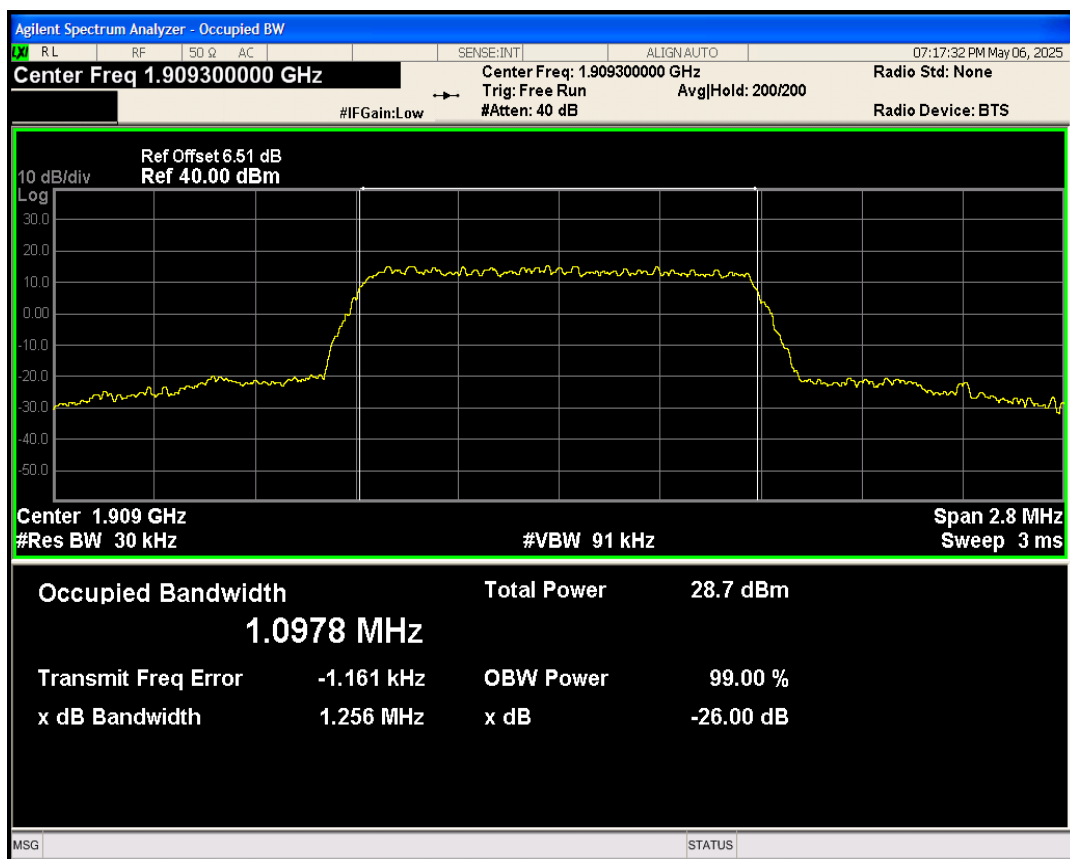


Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0

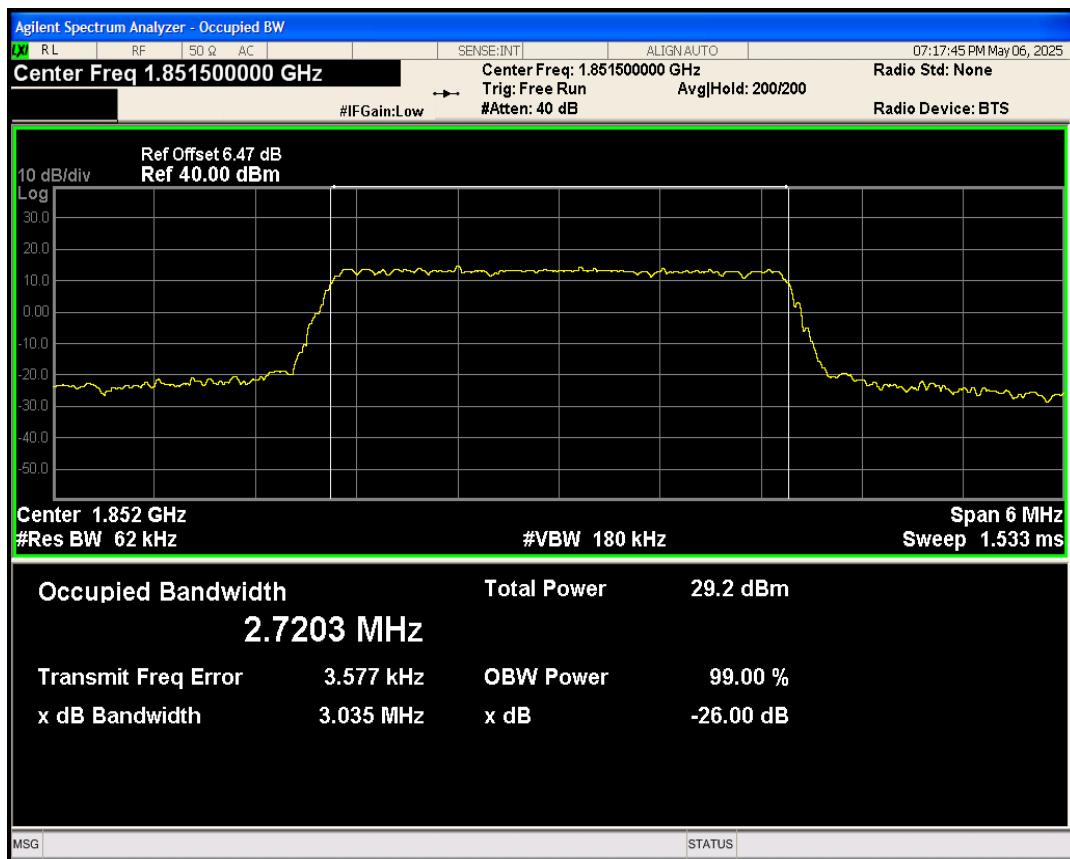




Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0

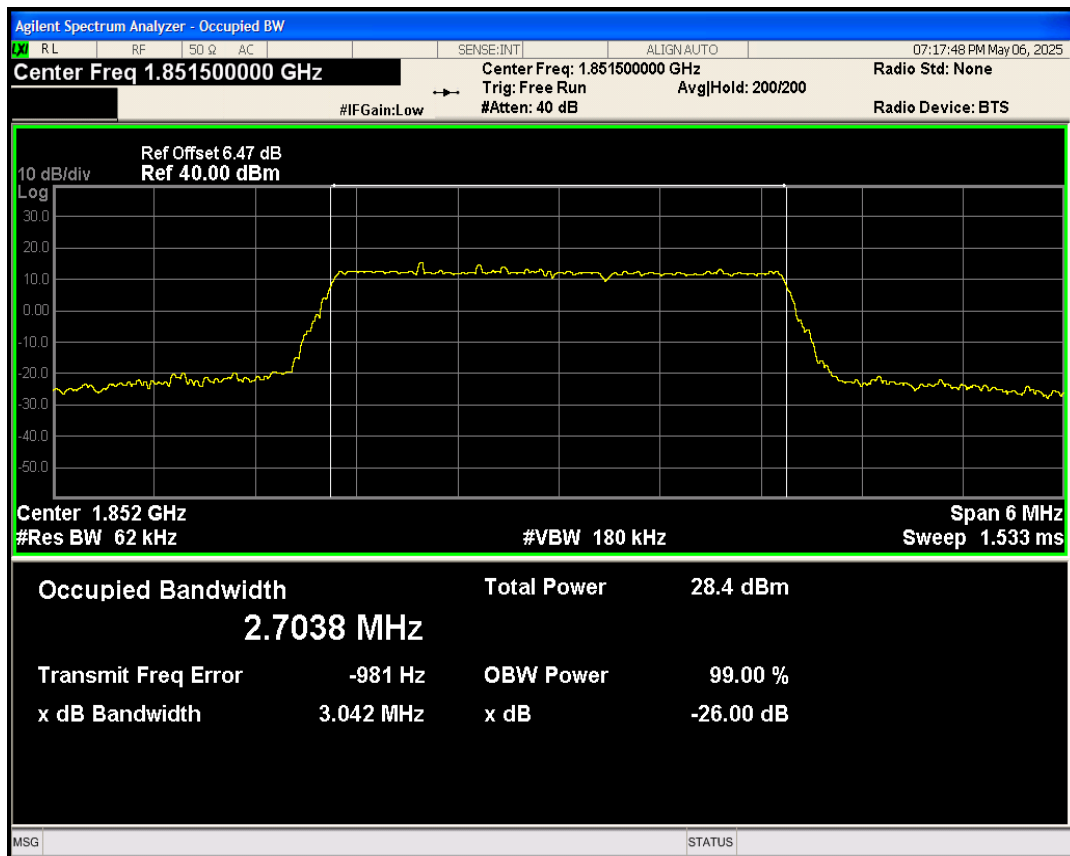


Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0

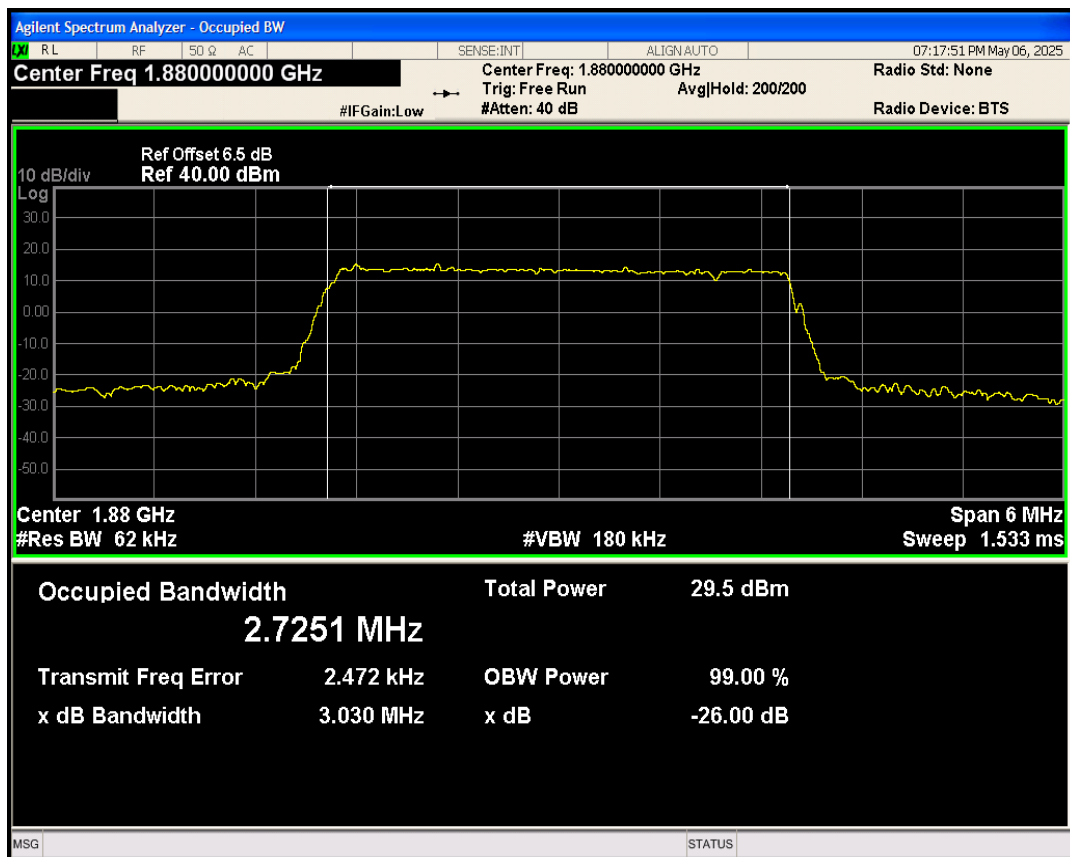




Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0

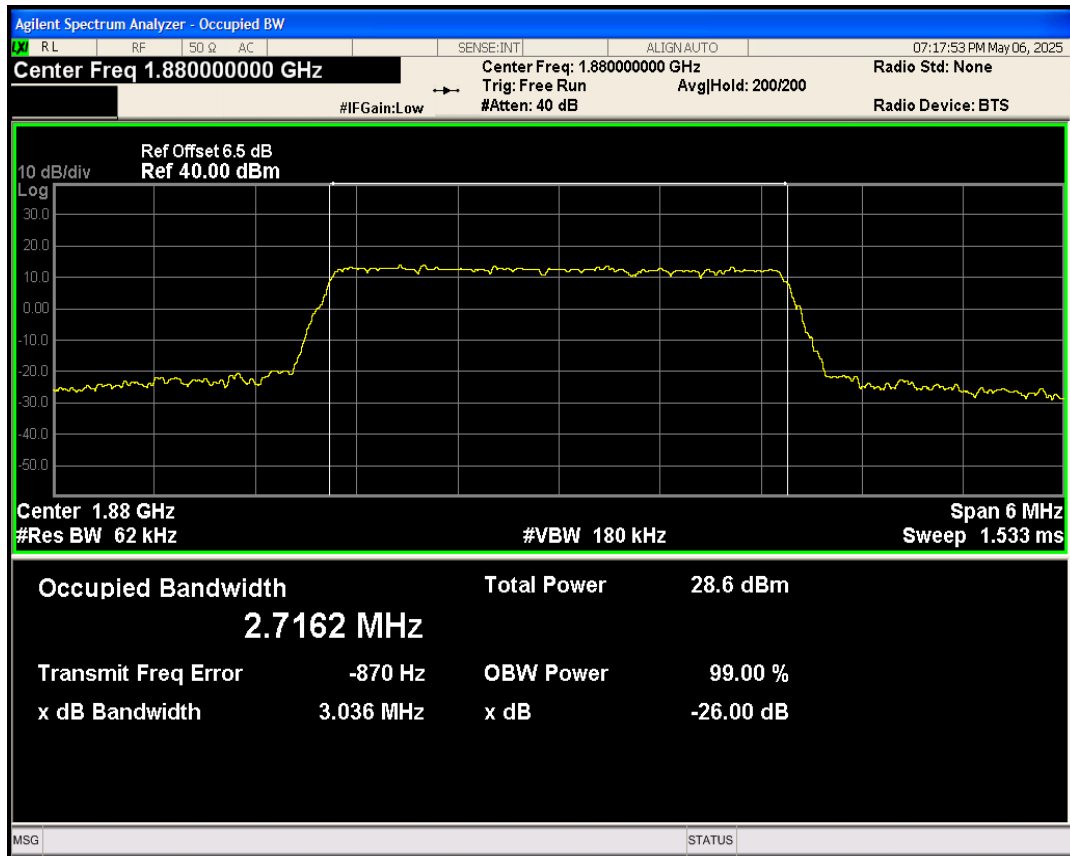


Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0

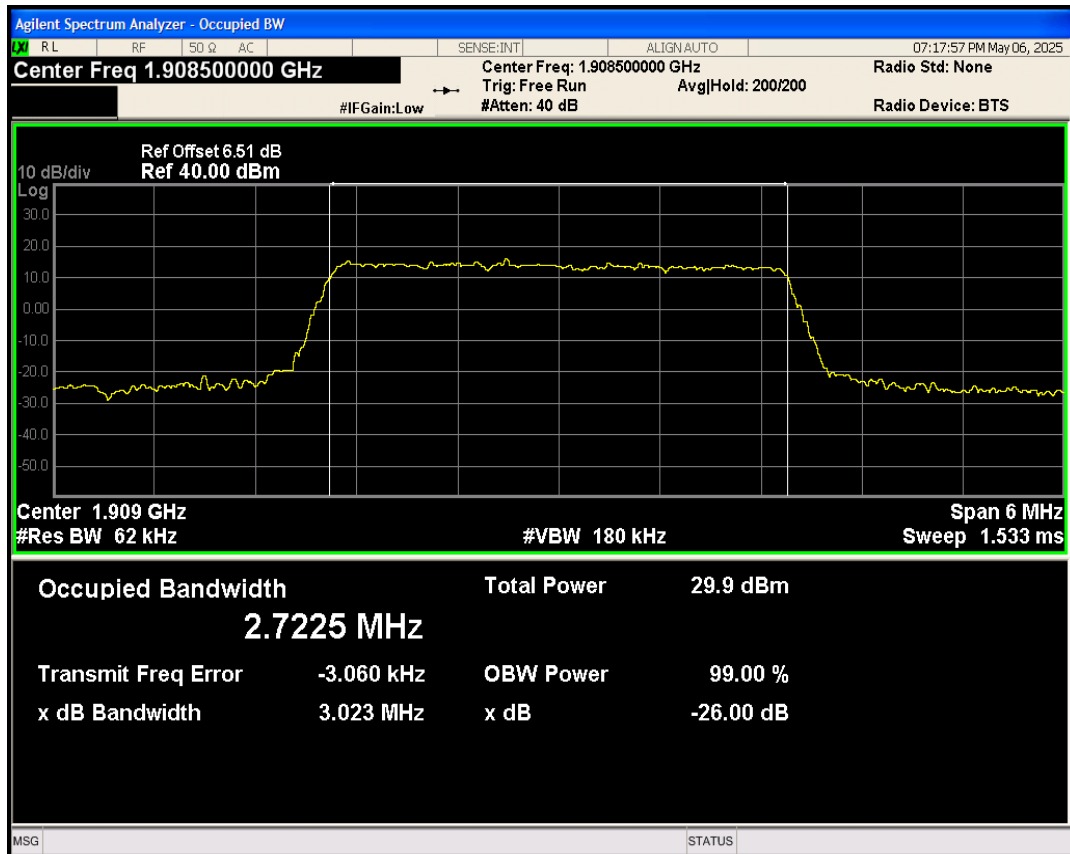




Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0

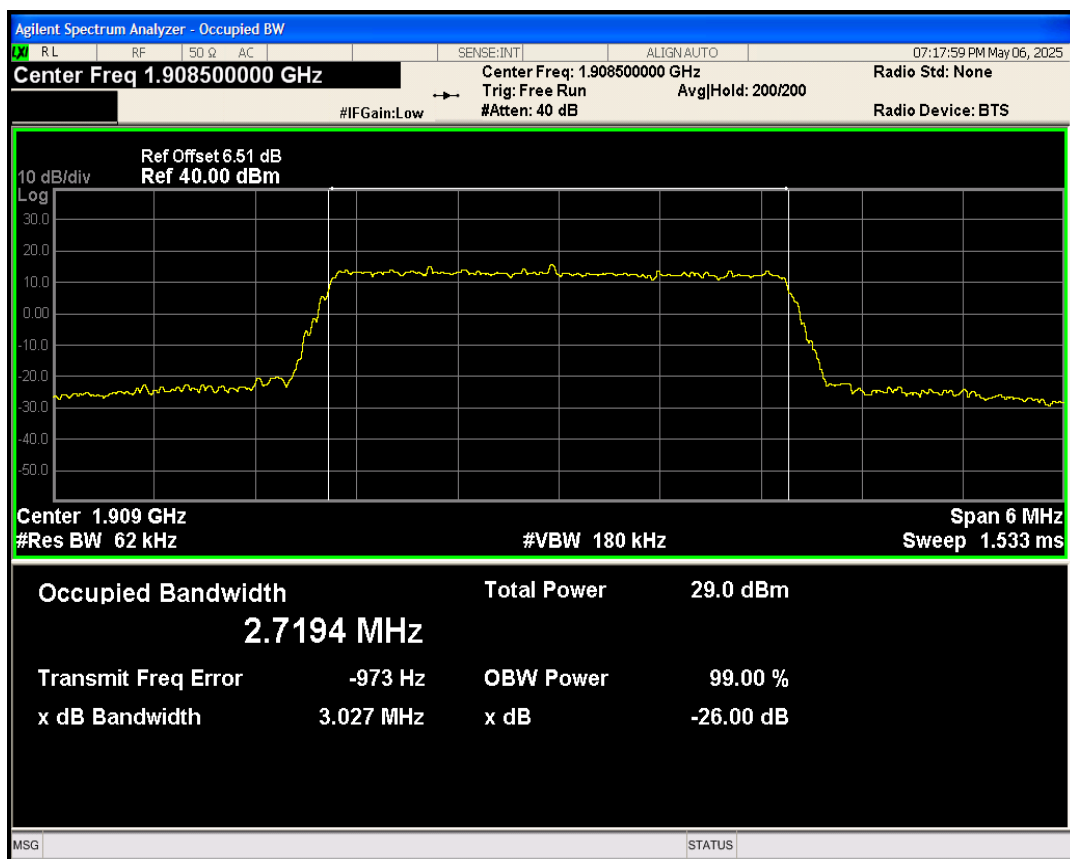


Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0

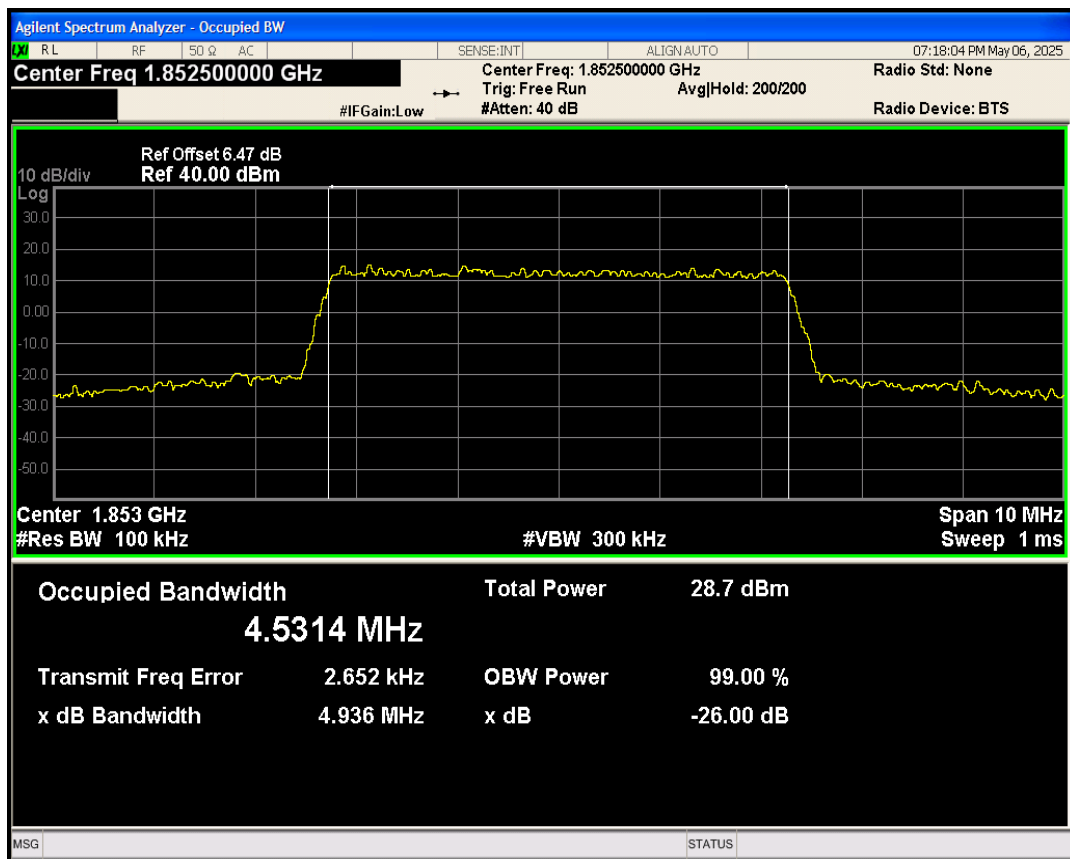




Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0

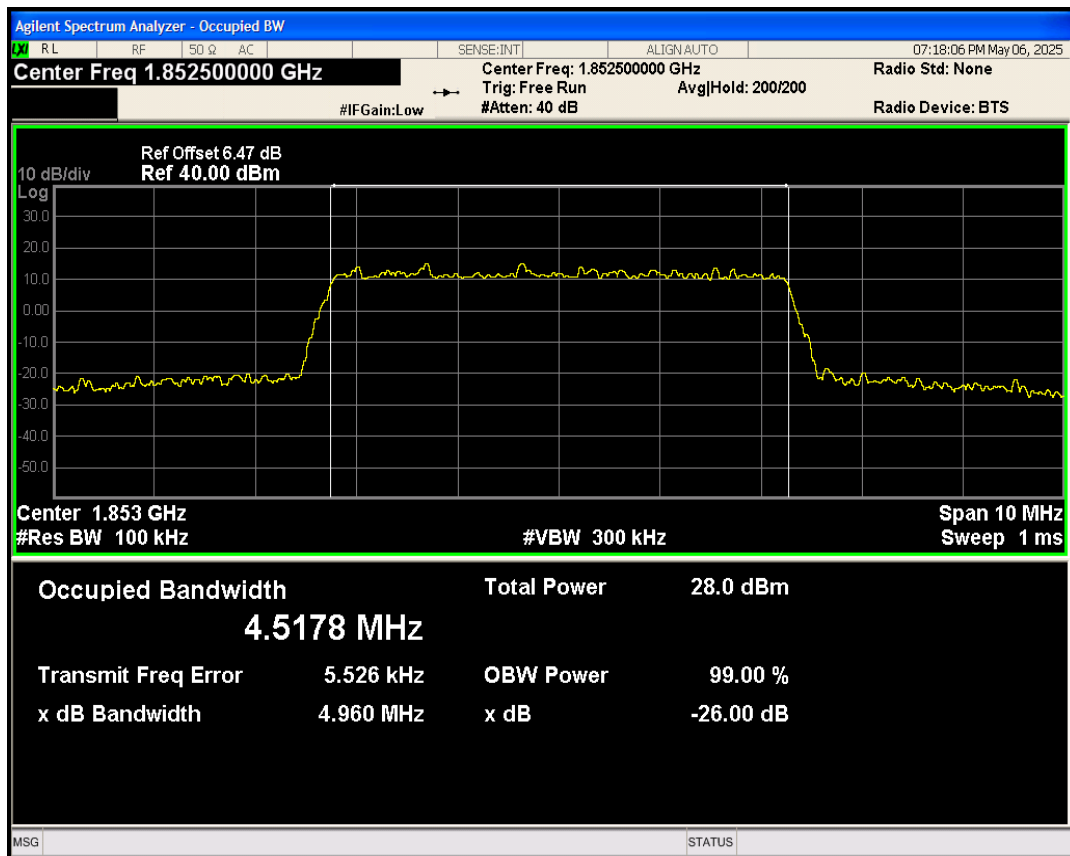


Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0

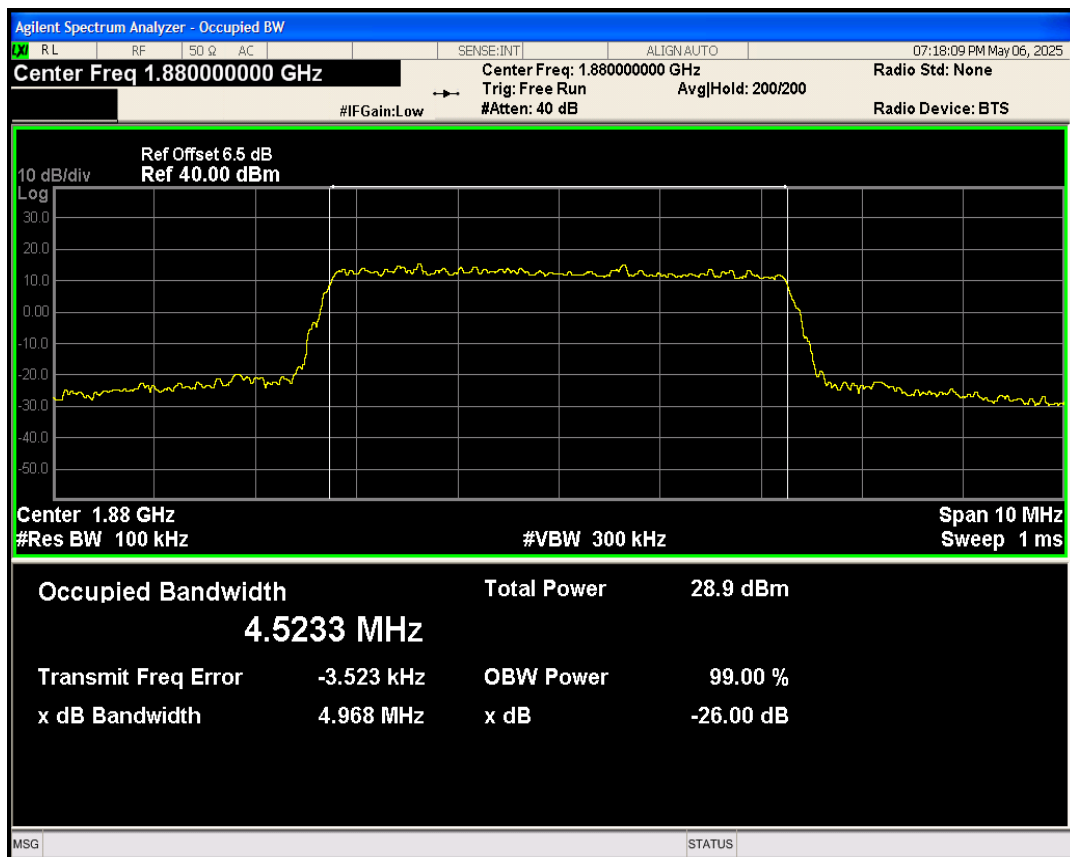




Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0

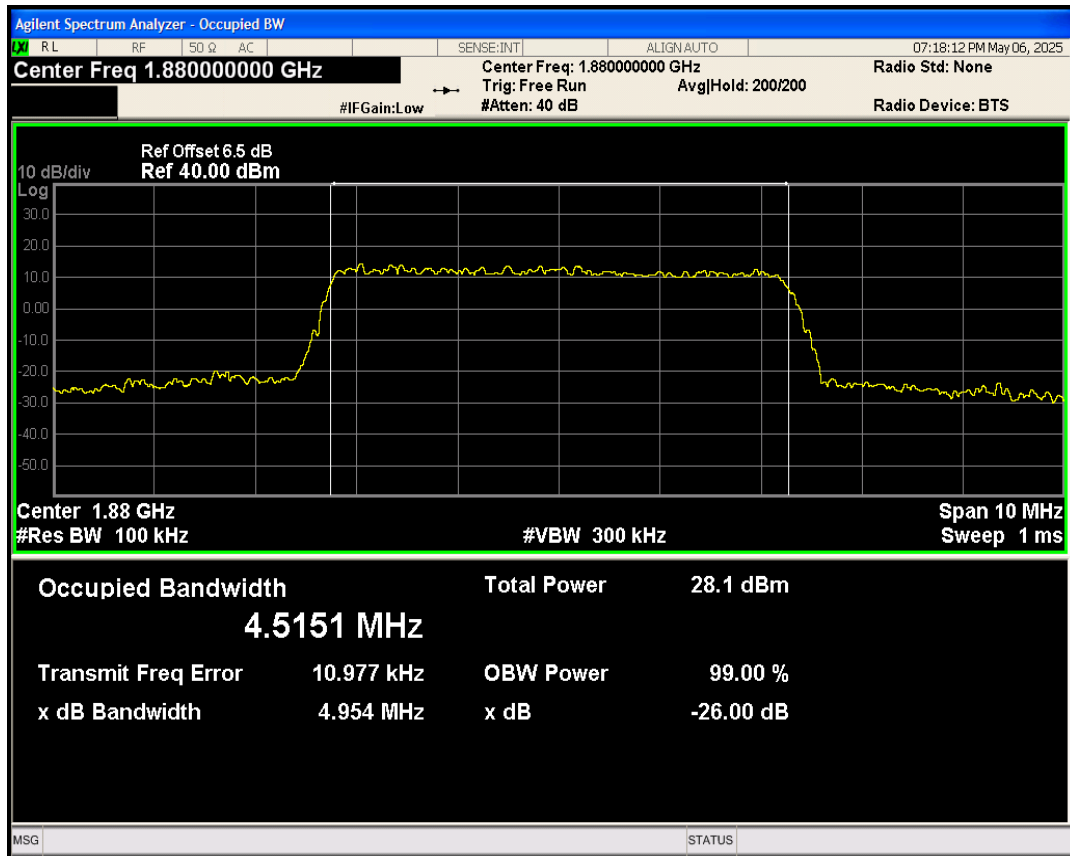


Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0

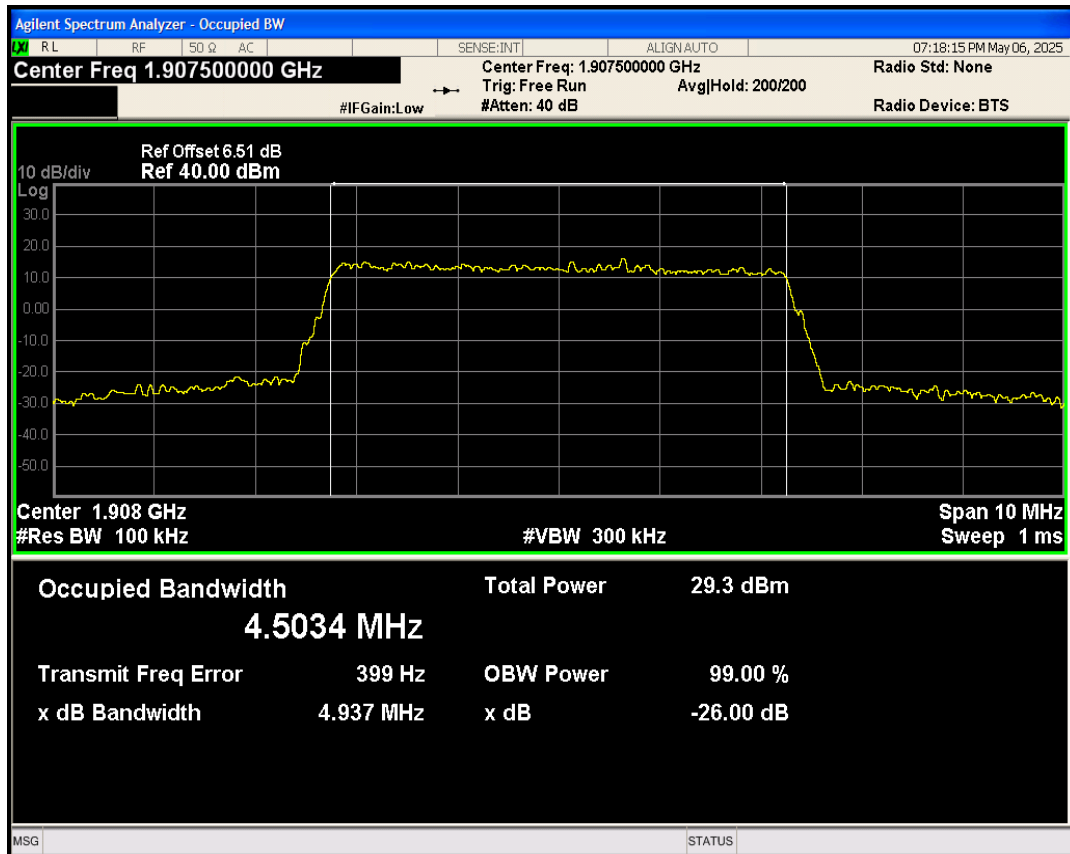




Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0

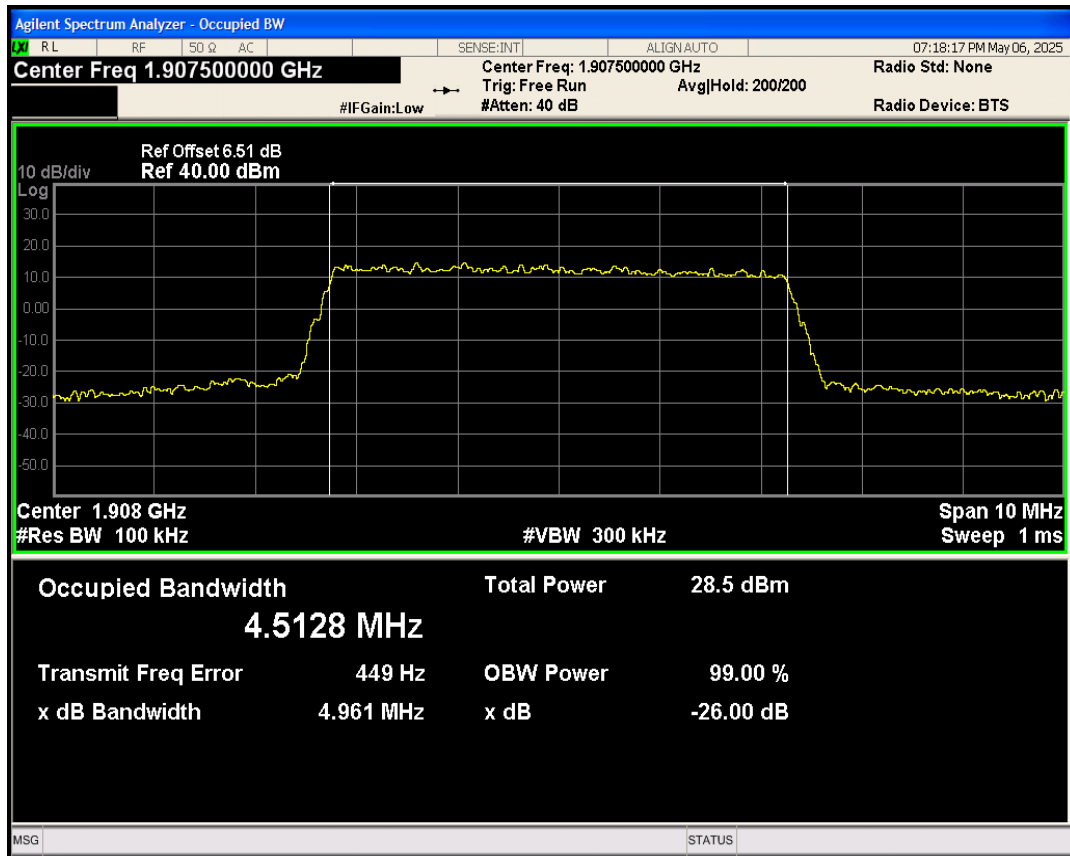


Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0

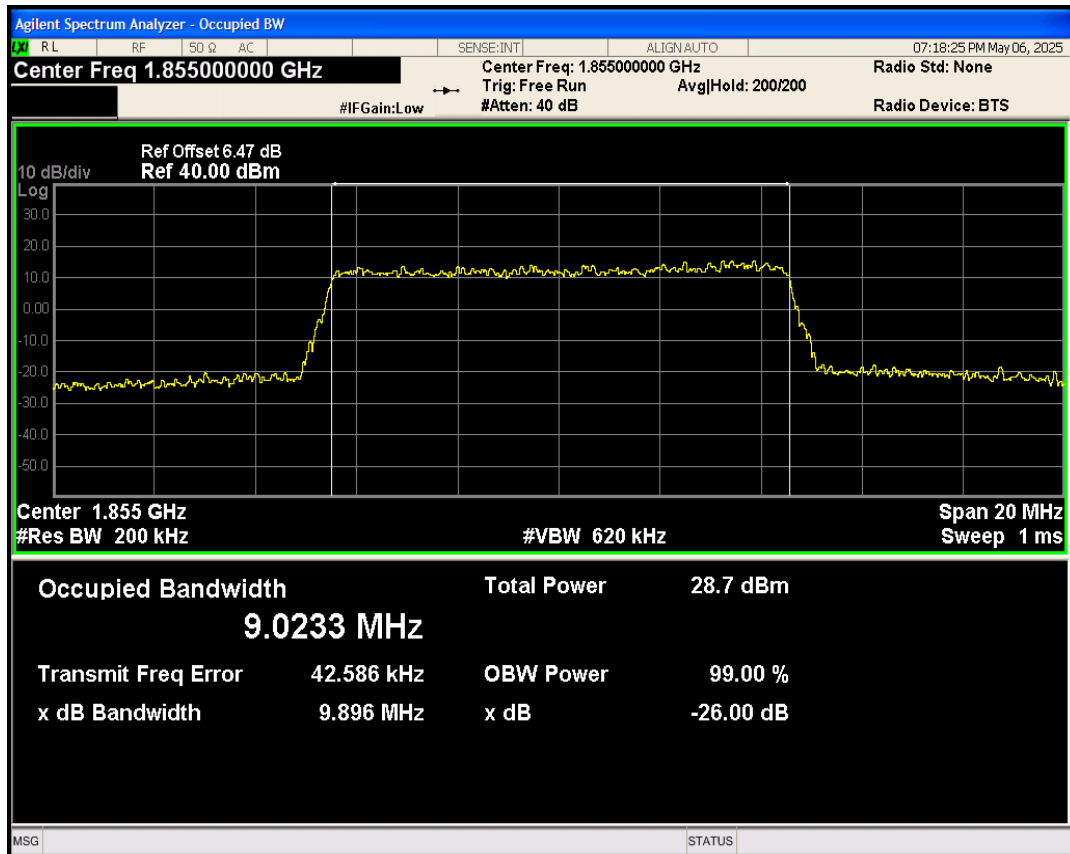




Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0

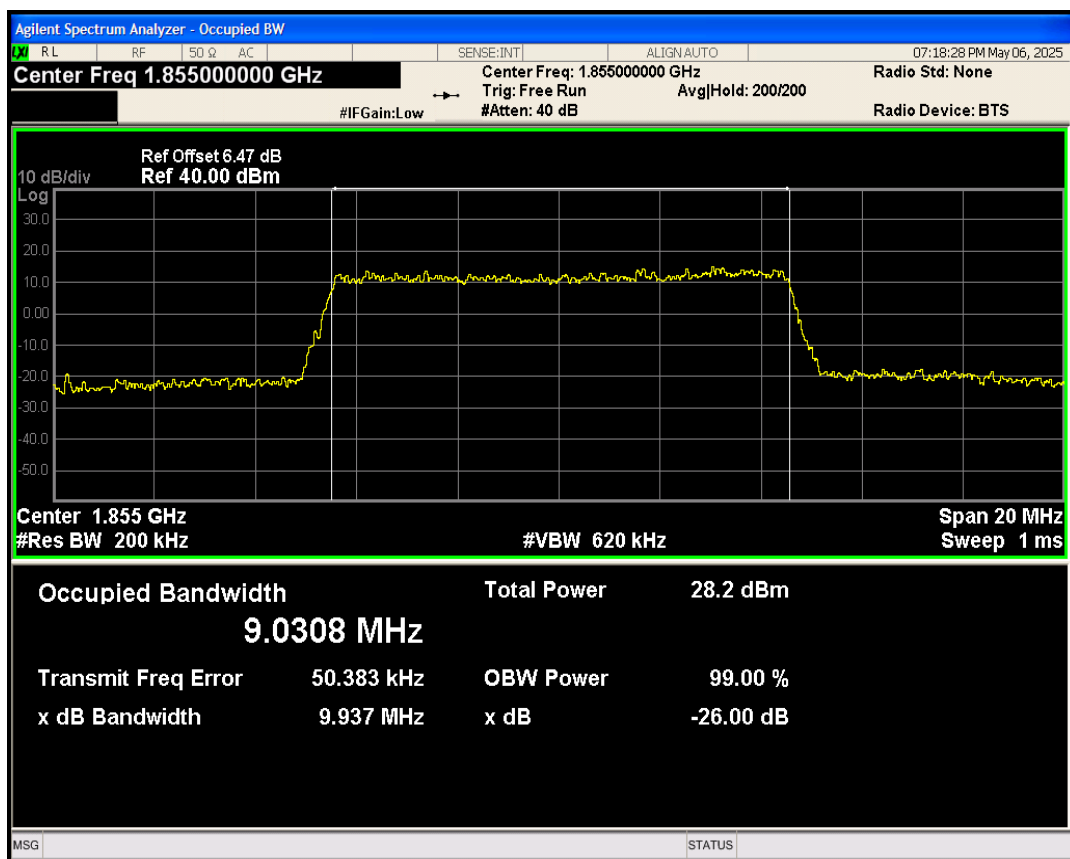


Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0

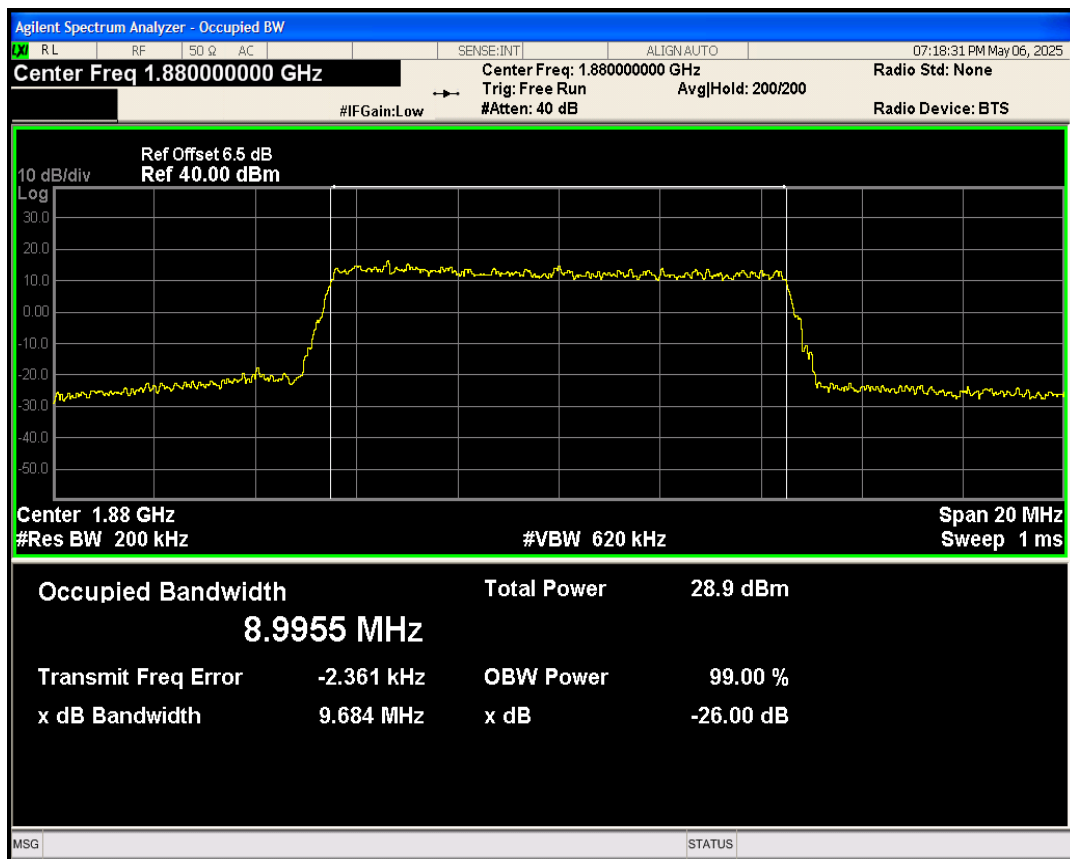




Band2 16QAM BW=10MHz Channel=18650 RB Size=50 Position=#0

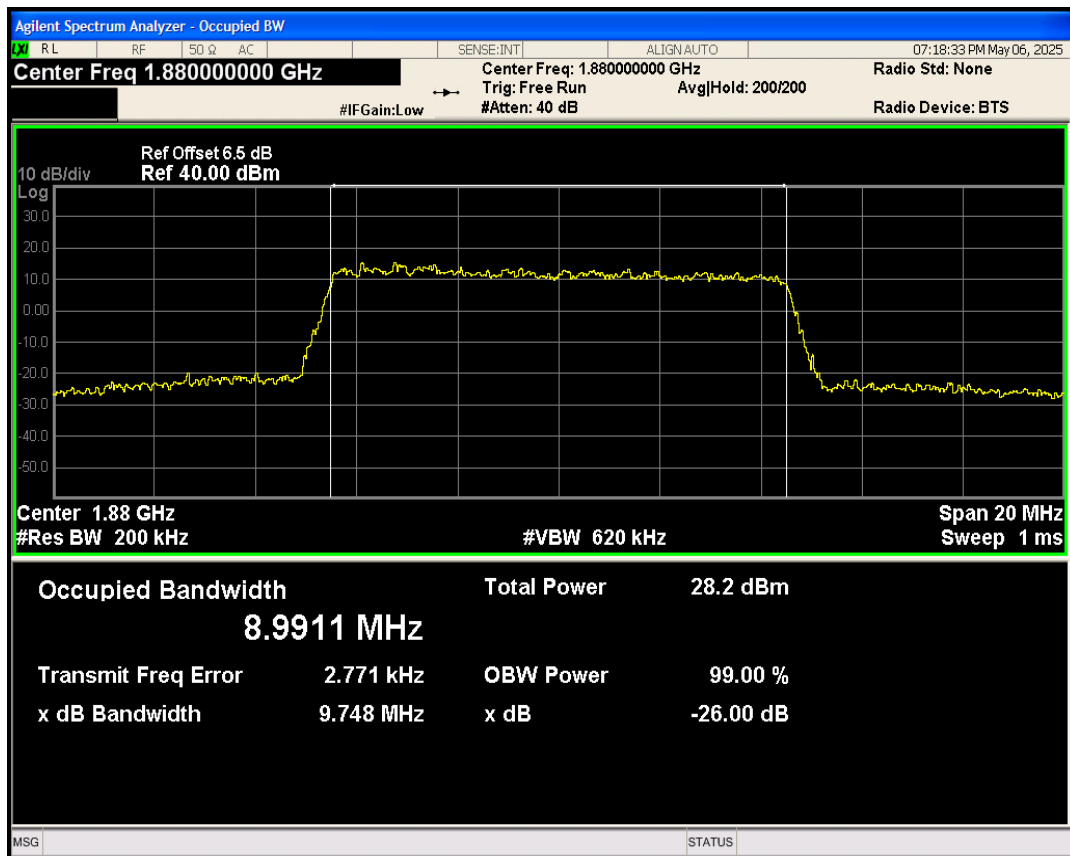


Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0

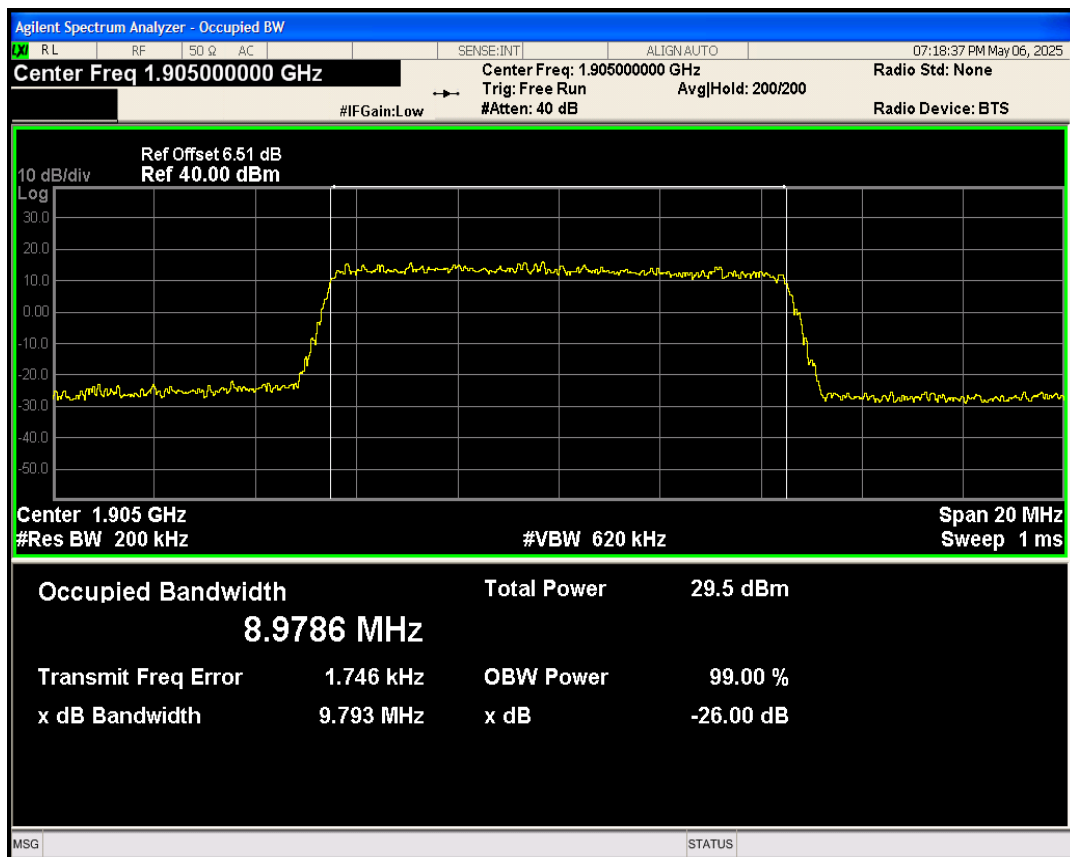




Band2 16QAM BW=10MHz Channel=18900 RB Size=50 Position=#0

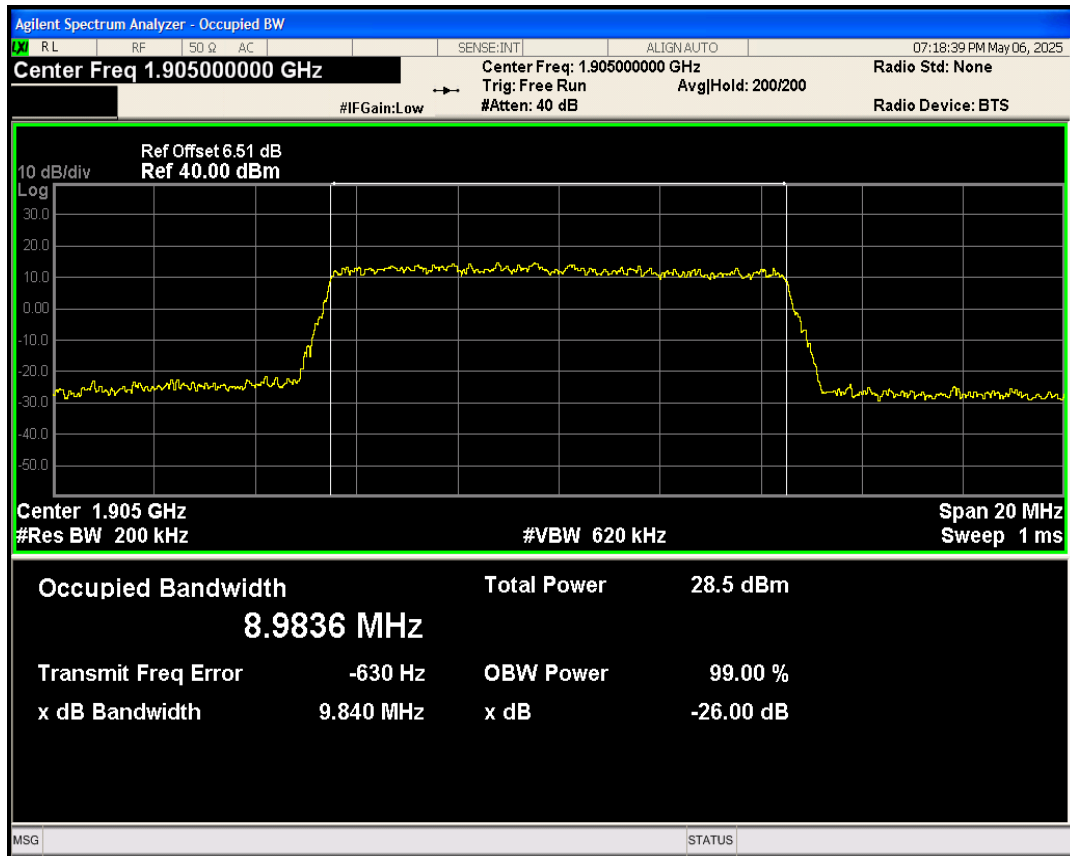


Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0

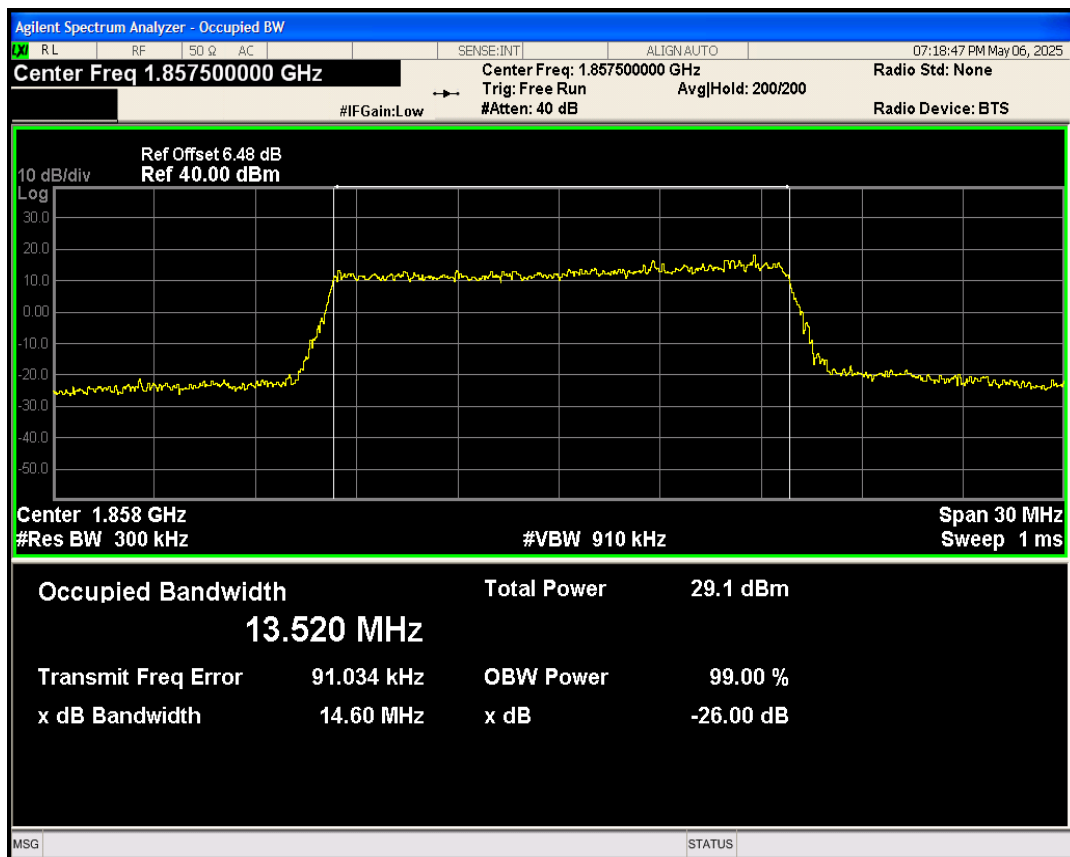




Band2 16QAM BW=10MHz Channel=19150 RB Size=50 Position=#0

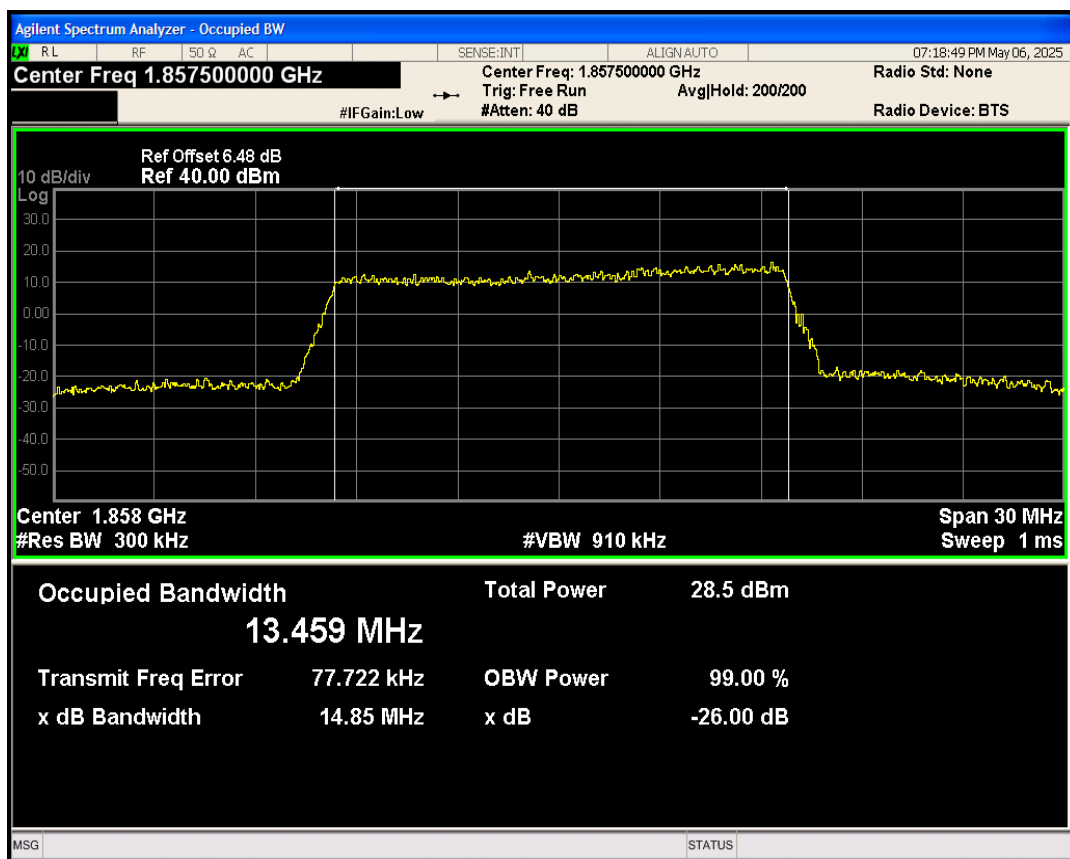


Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0

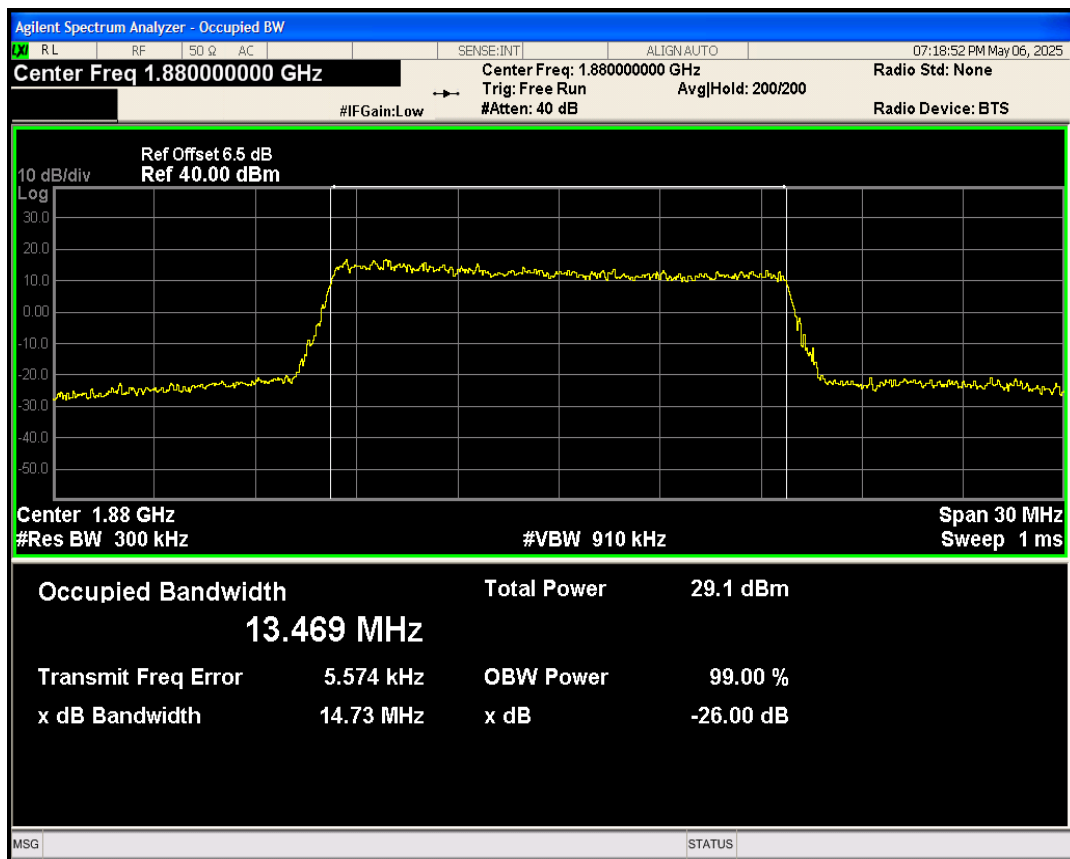




Band2 16QAM BW=15MHz Channel=18675 RB Size=75 Position=#0

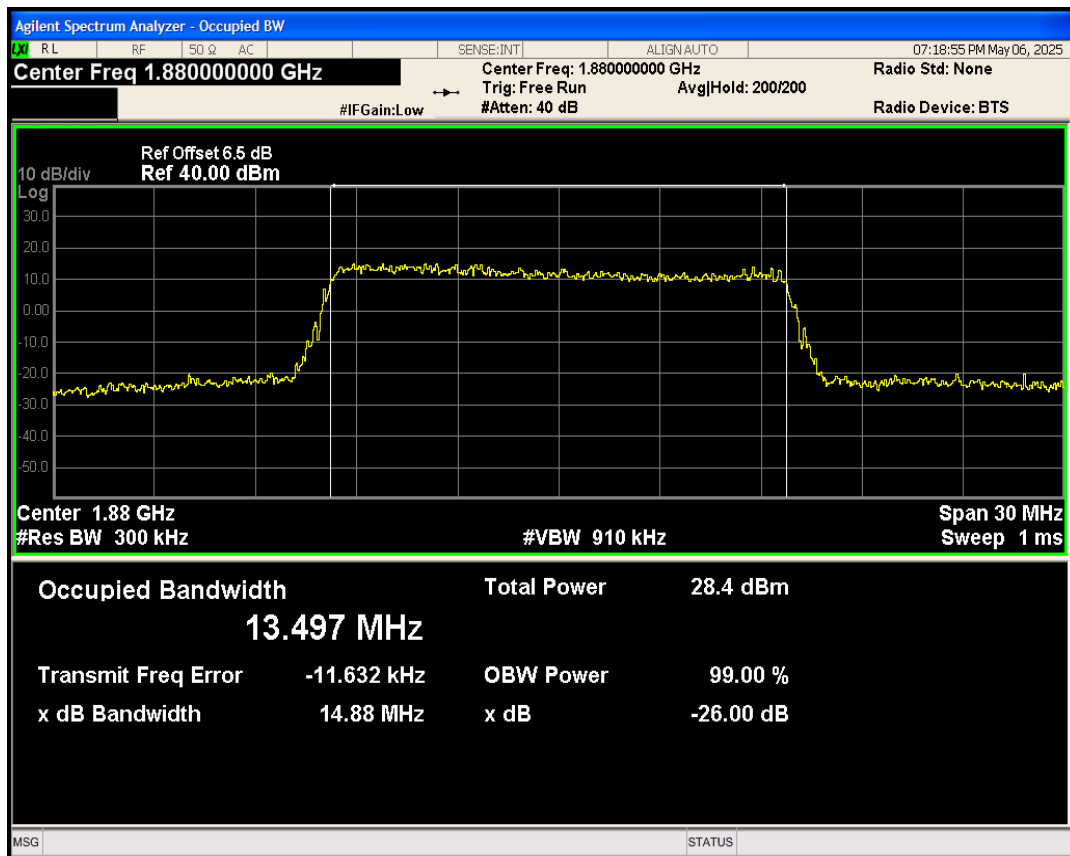


Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0

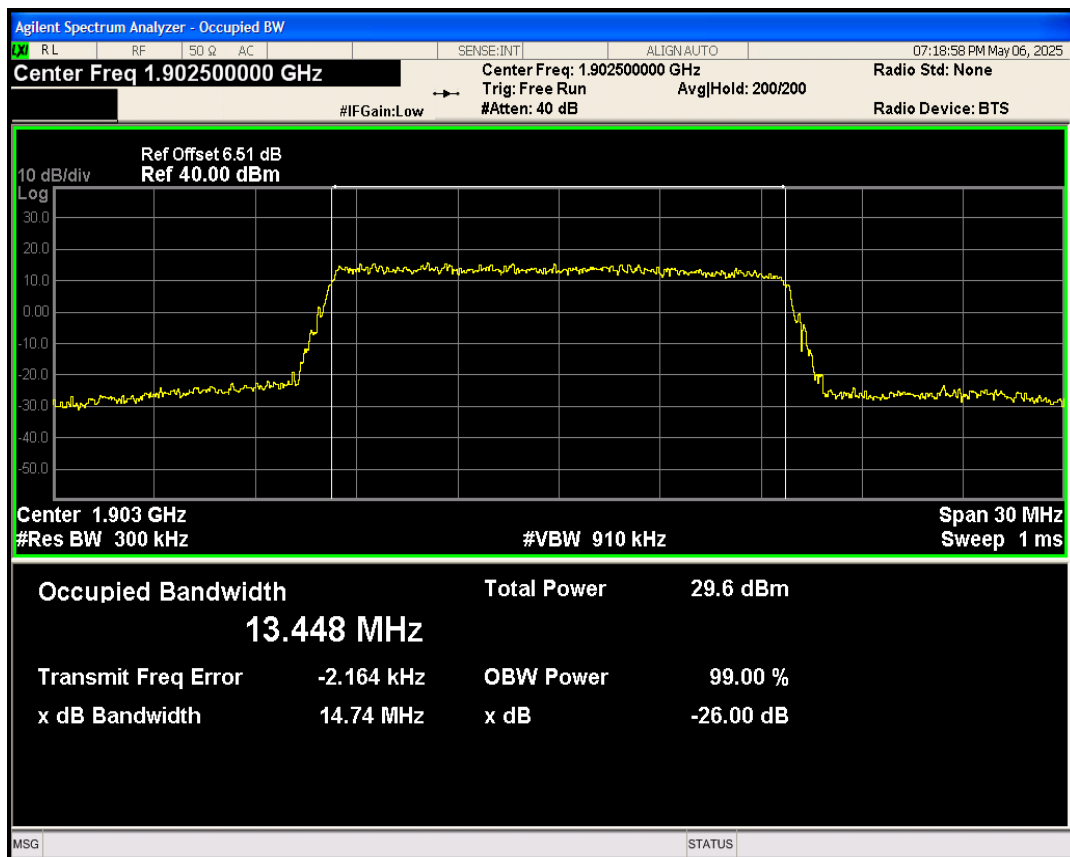




Band2 16QAM BW=15MHz Channel=18900 RB Size=75 Position=#0

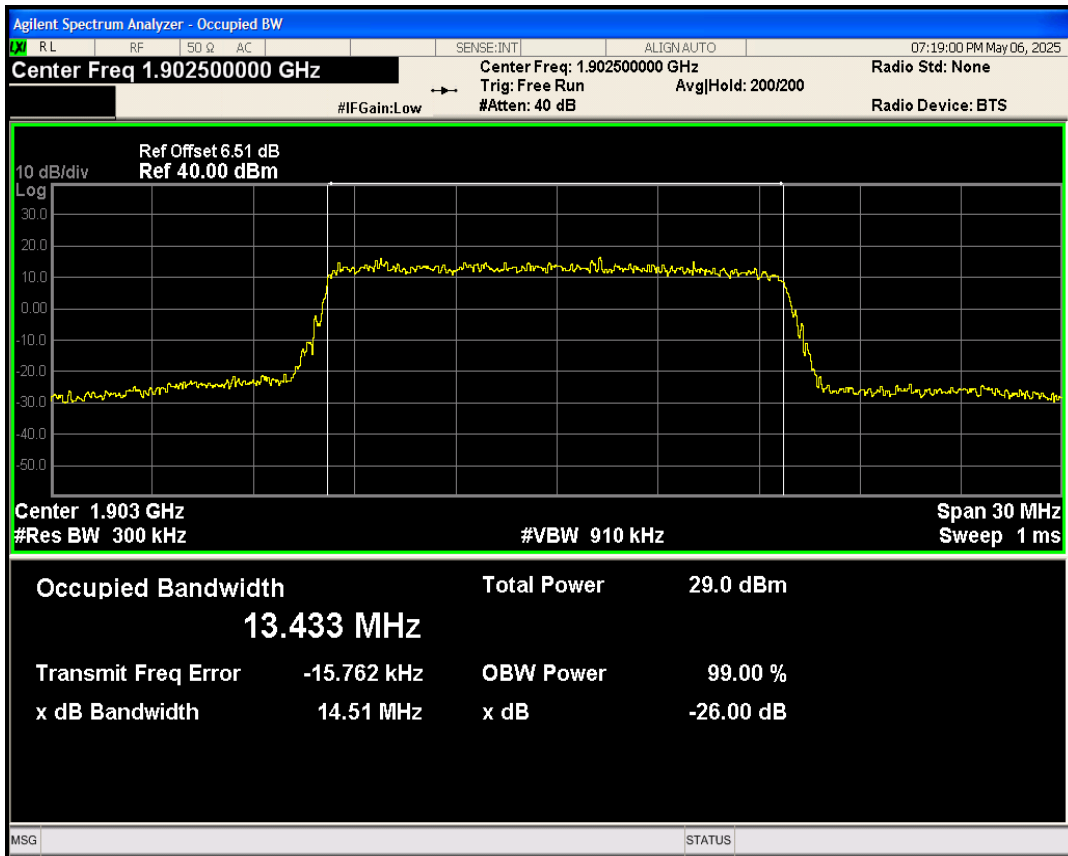


Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0

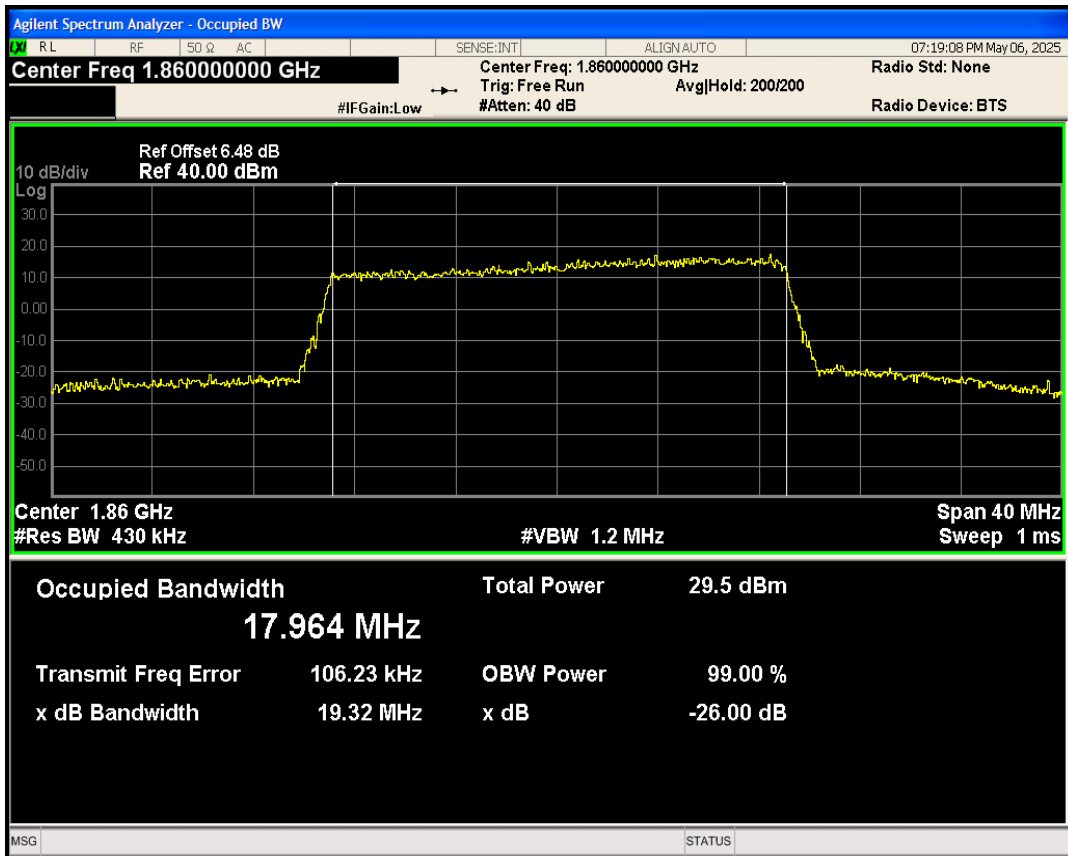




Band2 16QAM BW=15MHz Channel=19125 RB Size=75 Position=#0

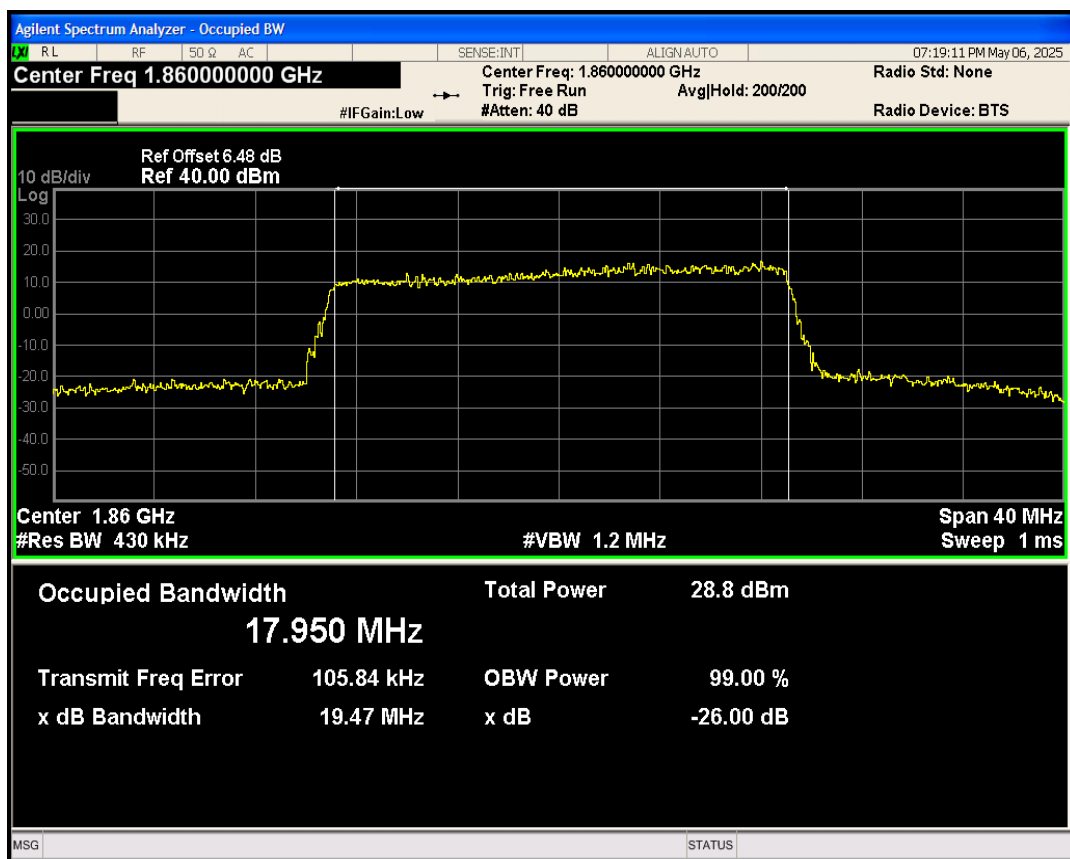


Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0

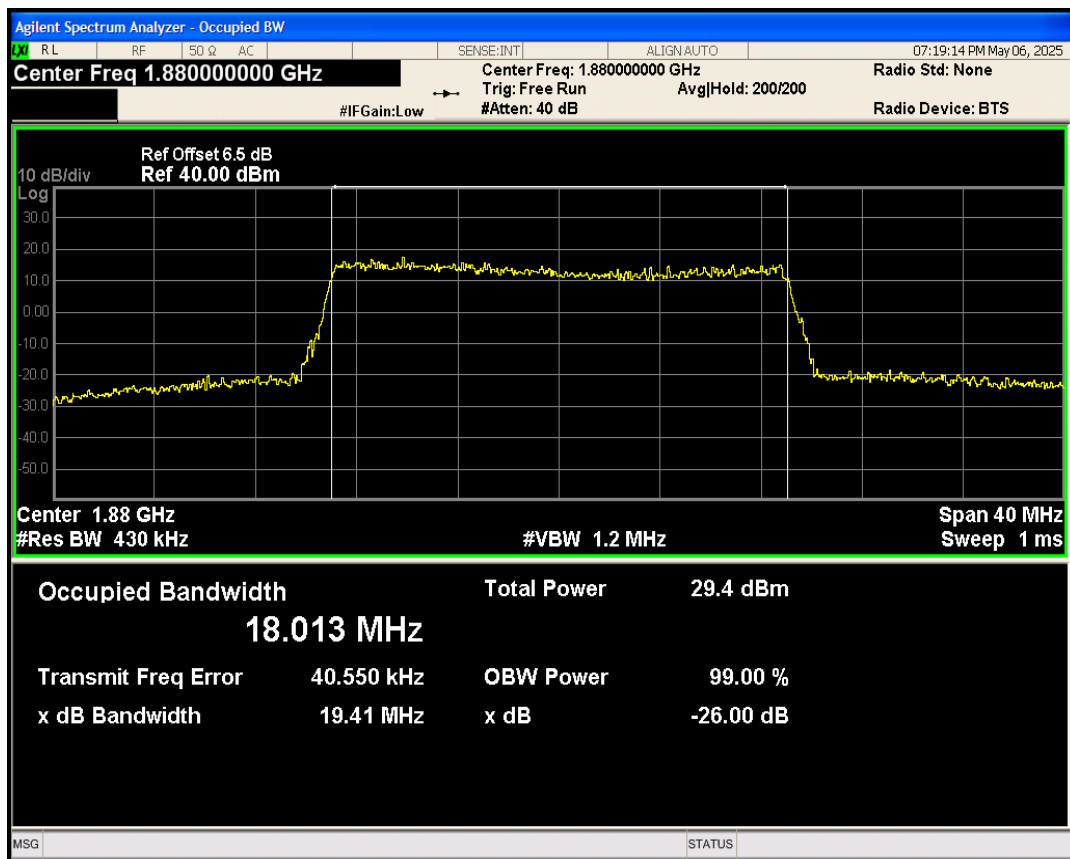




Band2 16QAM BW=20MHz Channel=18700 RB Size=100 Position=#0

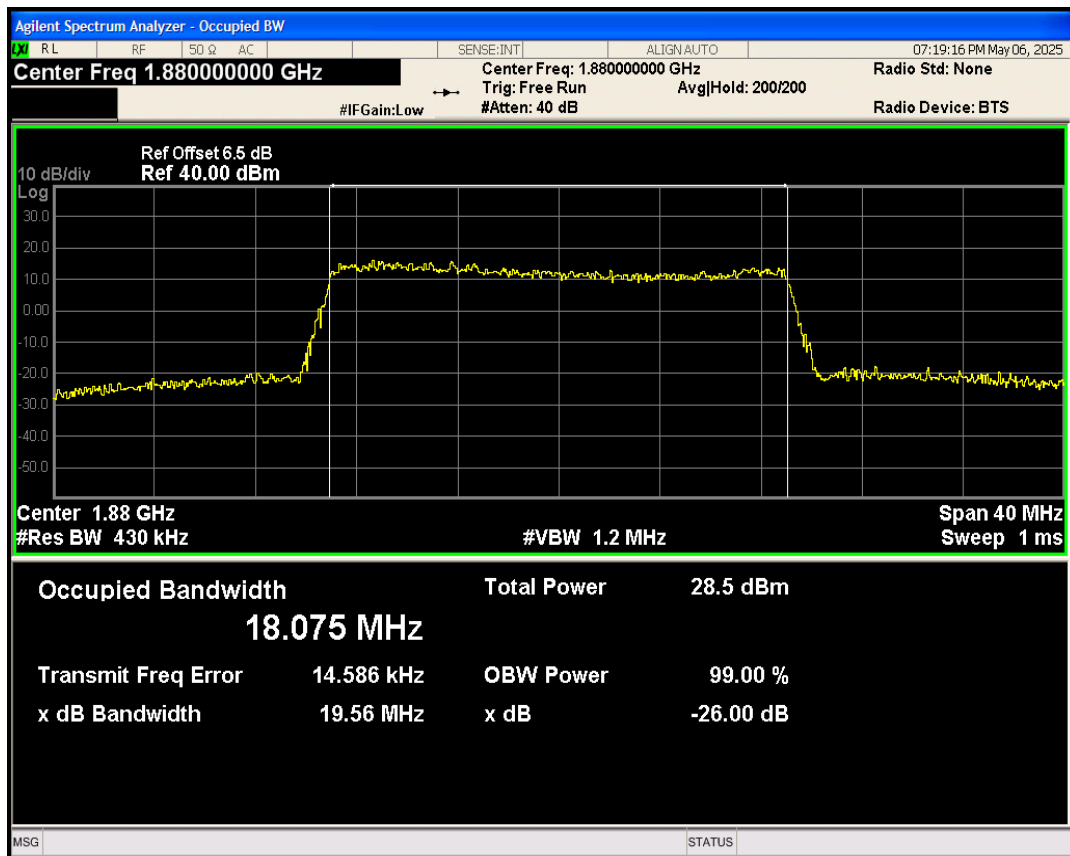


Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0

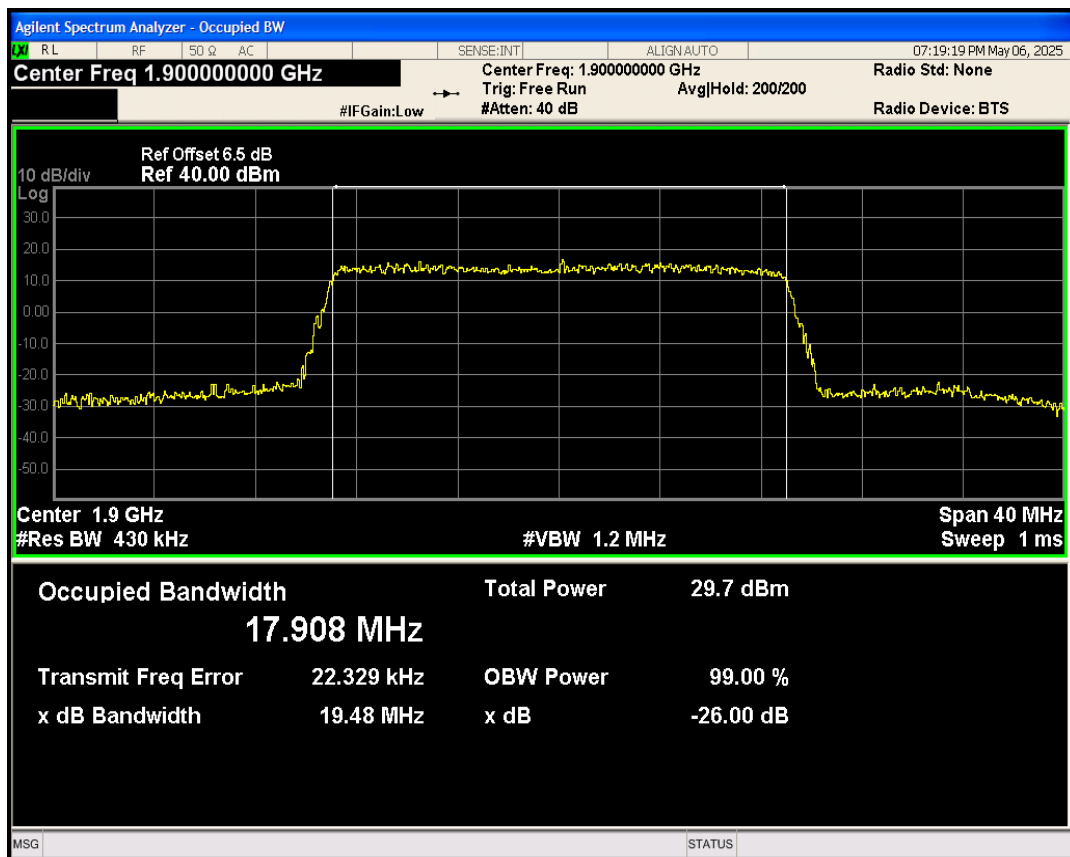




Band2 16QAM BW=20MHz Channel=18900 RB Size=100 Position=#0

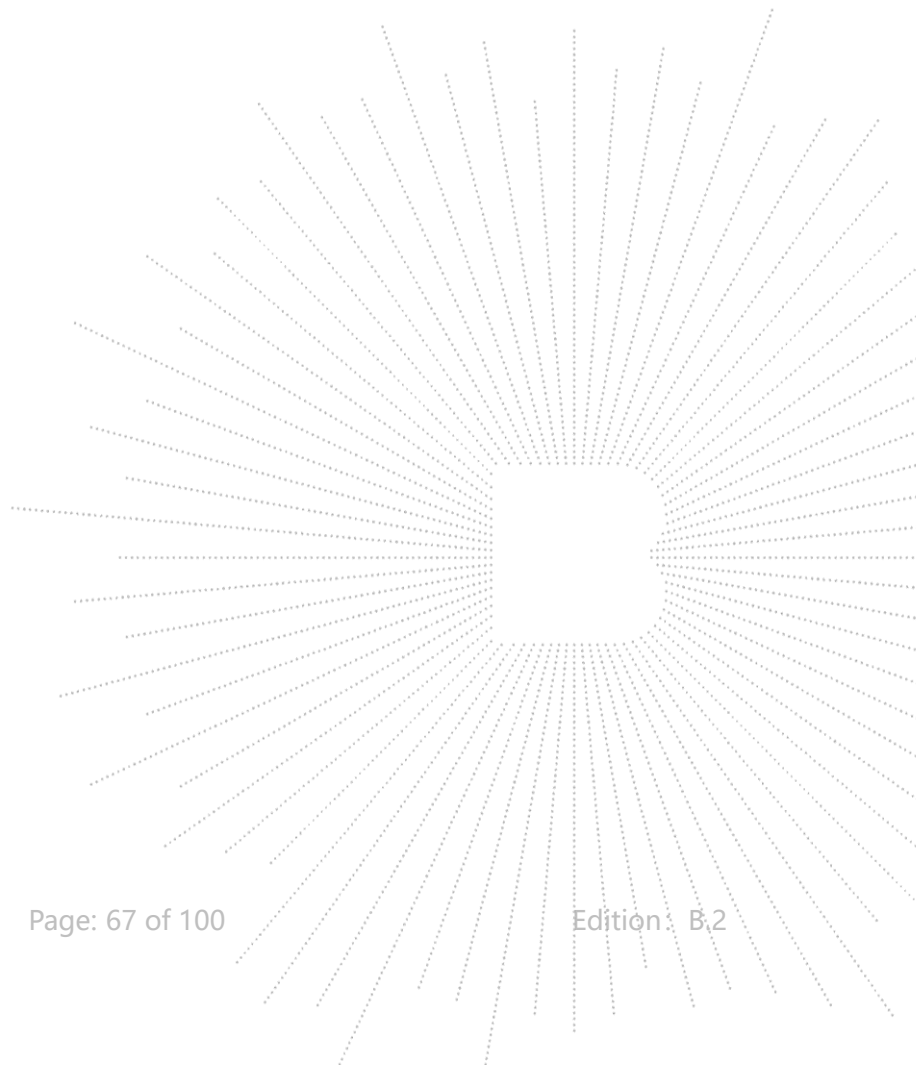
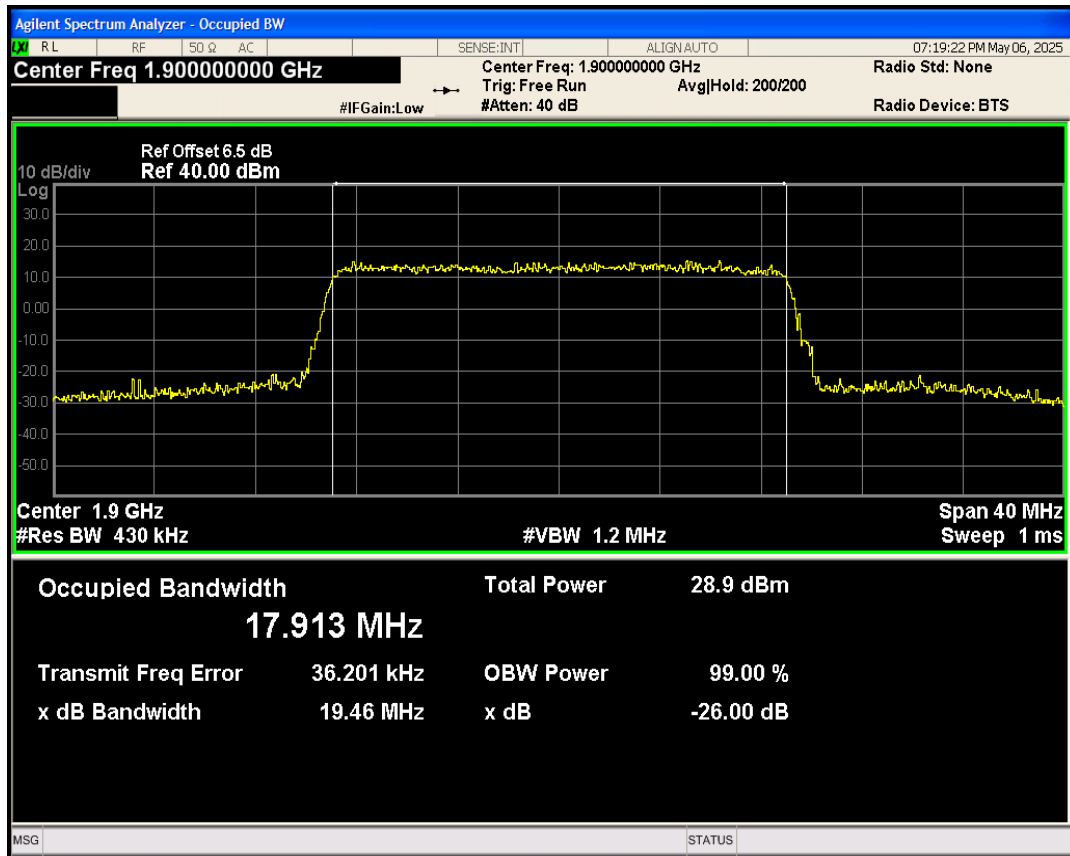


Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0





Band2 16QAM BW=20MHz Channel=19100 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
Band2	1.4	18607	6	#0	QPSK	1849.98	-30.16	-13	PASS
Band2	1.4	18607	6	#0	16QAM	1849.97	-30.40	-13	PASS
Band2	1.4	19193	6	#0	QPSK	1910.00	-31.07	-13	PASS
Band2	1.4	19193	6	#0	16QAM	1910.03	-32.65	-13	PASS
Band2	3	18615	15	#0	QPSK	1849.99	-25.71	-13	PASS
Band2	3	18615	15	#0	16QAM	1850.00	-26.63	-13	PASS
Band2	3	19185	15	#0	QPSK	1910.00	-25.84	-13	PASS
Band2	3	19185	15	#0	16QAM	1910.00	-27.30	-13	PASS
Band2	5	18625	25	#0	QPSK	1850.00	-29.17	-13	PASS
Band2	5	18625	25	#0	16QAM	1850.00	-29.82	-13	PASS
Band2	5	19175	25	#0	QPSK	1910.00	-31.36	-13	PASS
Band2	5	19175	25	#0	16QAM	1910.00	-32.55	-13	PASS
Band2	10	18650	50	#0	QPSK	1849.96	-31.53	-13	PASS
Band2	10	18650	50	#0	16QAM	1849.72	-32.57	-13	PASS
Band2	10	19150	50	#0	QPSK	1910.00	-35.66	-13	PASS
Band2	10	19150	50	#0	16QAM	1910.00	-34.51	-13	PASS
Band2	15	18675	75	#0	QPSK	1849.94	-31.72	-13	PASS
Band2	15	18675	75	#0	16QAM	1850.00	-32.25	-13	PASS
Band2	15	19125	75	#0	QPSK	1910.00	-33.21	-13	PASS
Band2	15	19125	75	#0	16QAM	1910.00	-33.40	-13	PASS
Band2	20	18700	100	#0	QPSK	1850.00	-33.08	-13	PASS
Band2	20	18700	100	#0	16QAM	1849.88	-33.78	-13	PASS
Band2	20	19100	100	#0	QPSK	1910.00	-34.78	-13	PASS
Band2	20	19100	100	#0	16QAM	1910.00	-35.23	-13	PASS



Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0





Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0

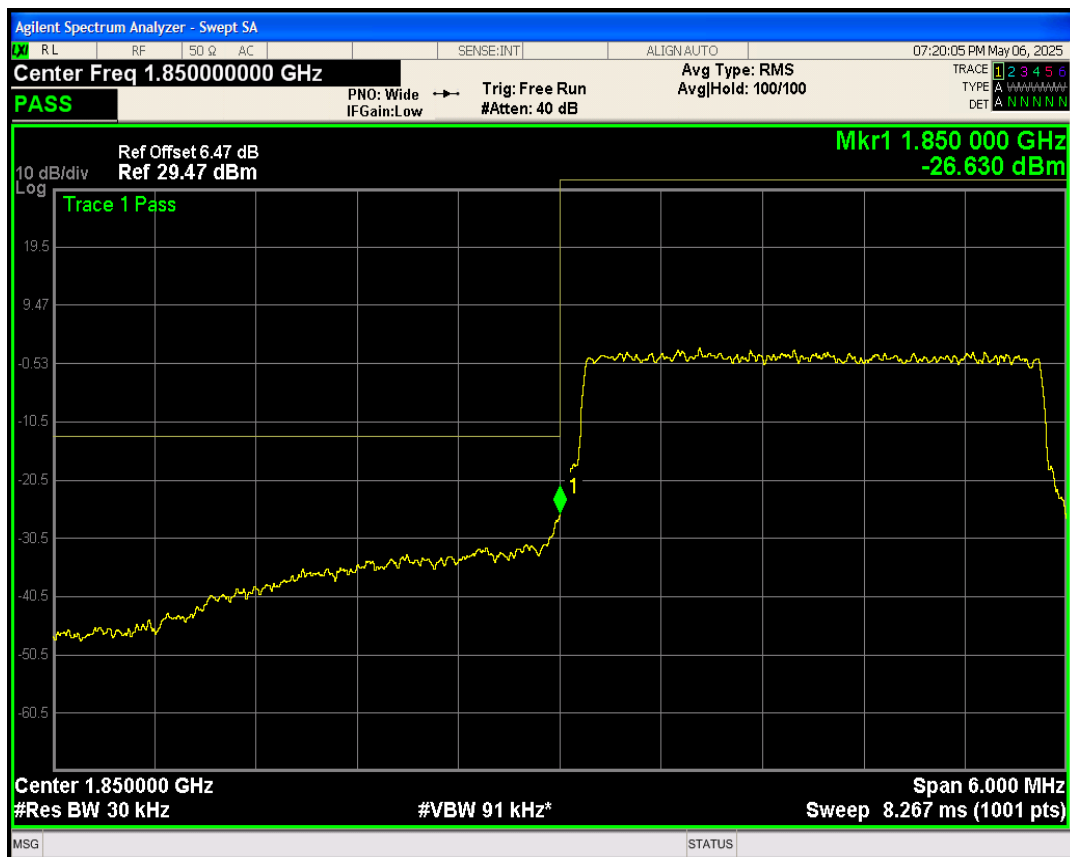




Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0





Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0

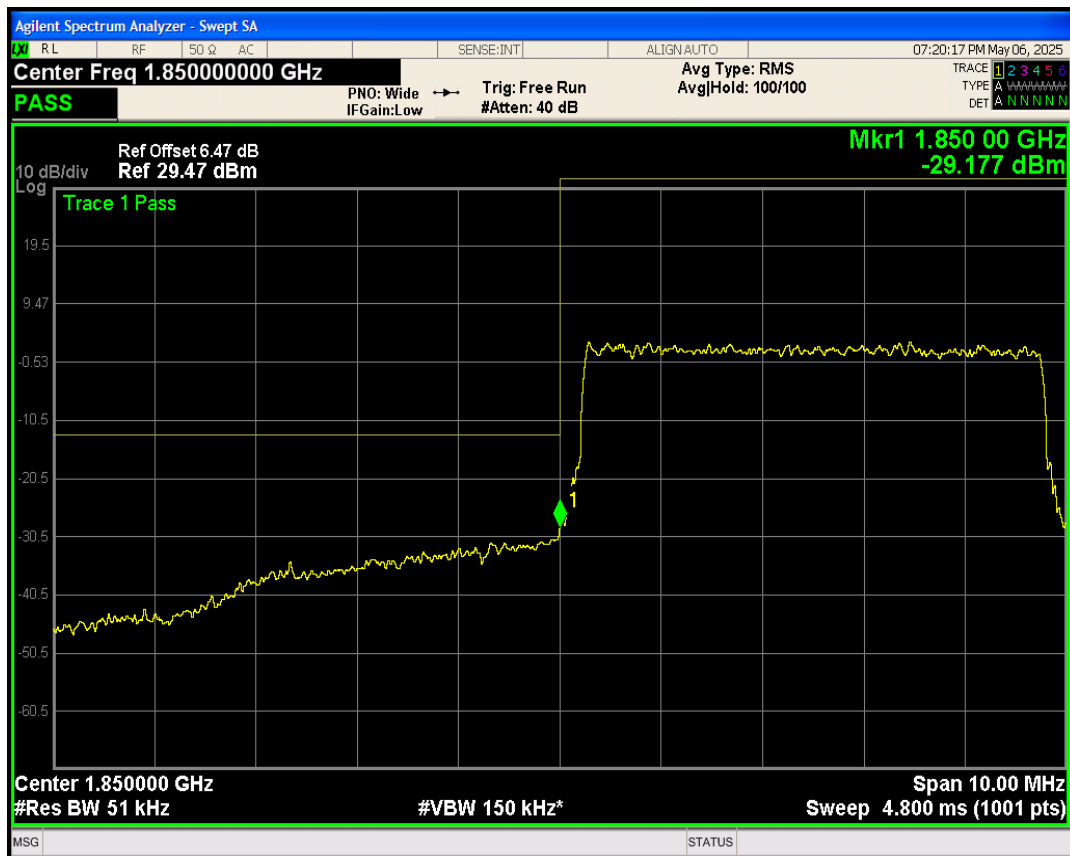


Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0

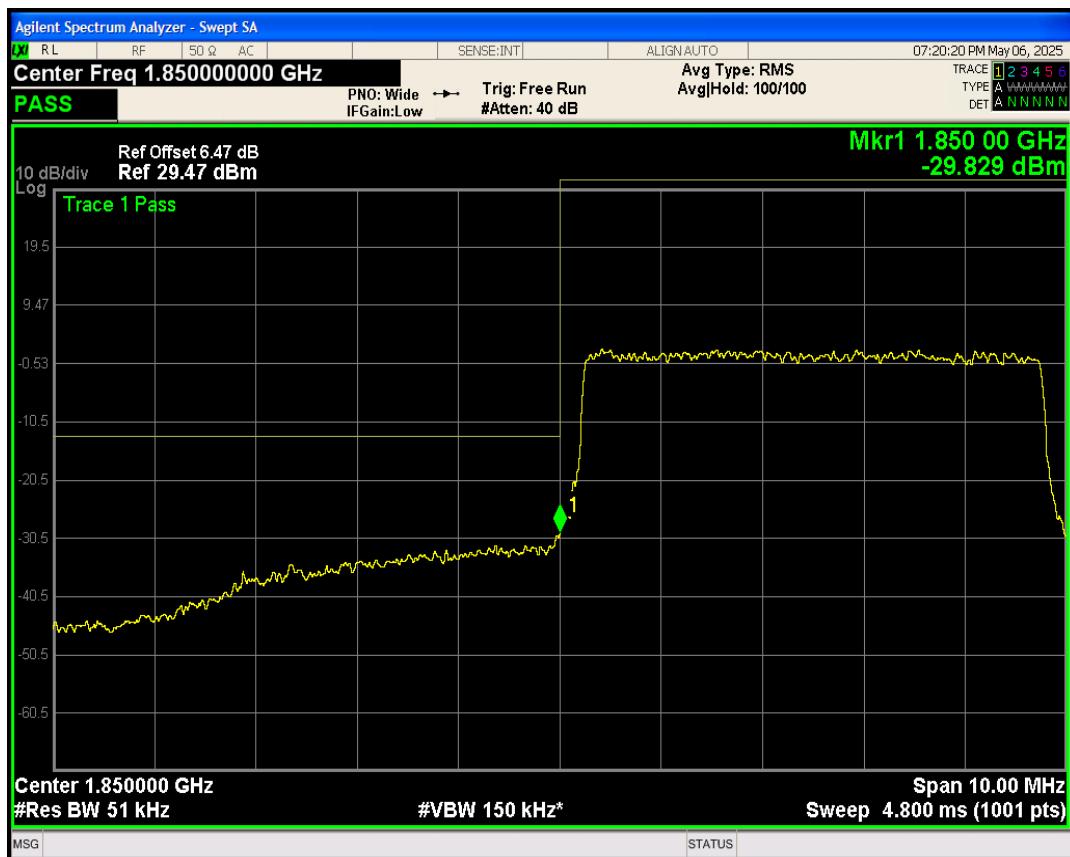




Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0

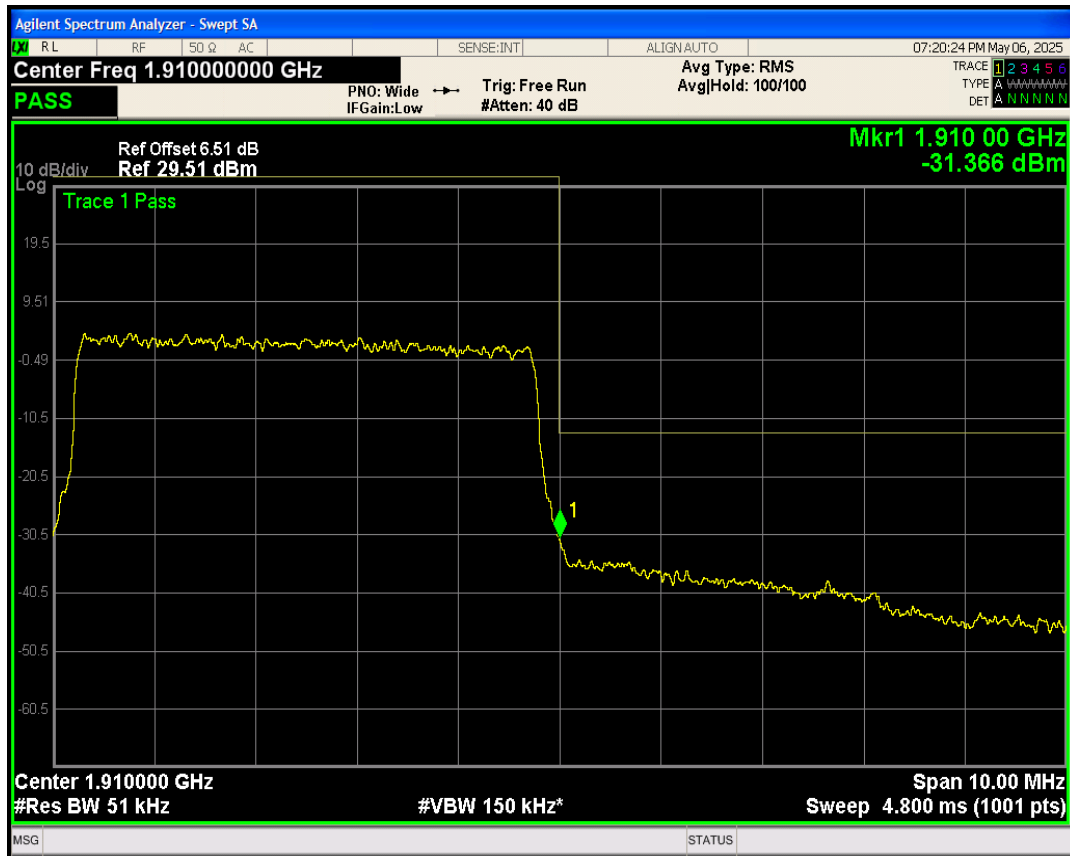


Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0





Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0

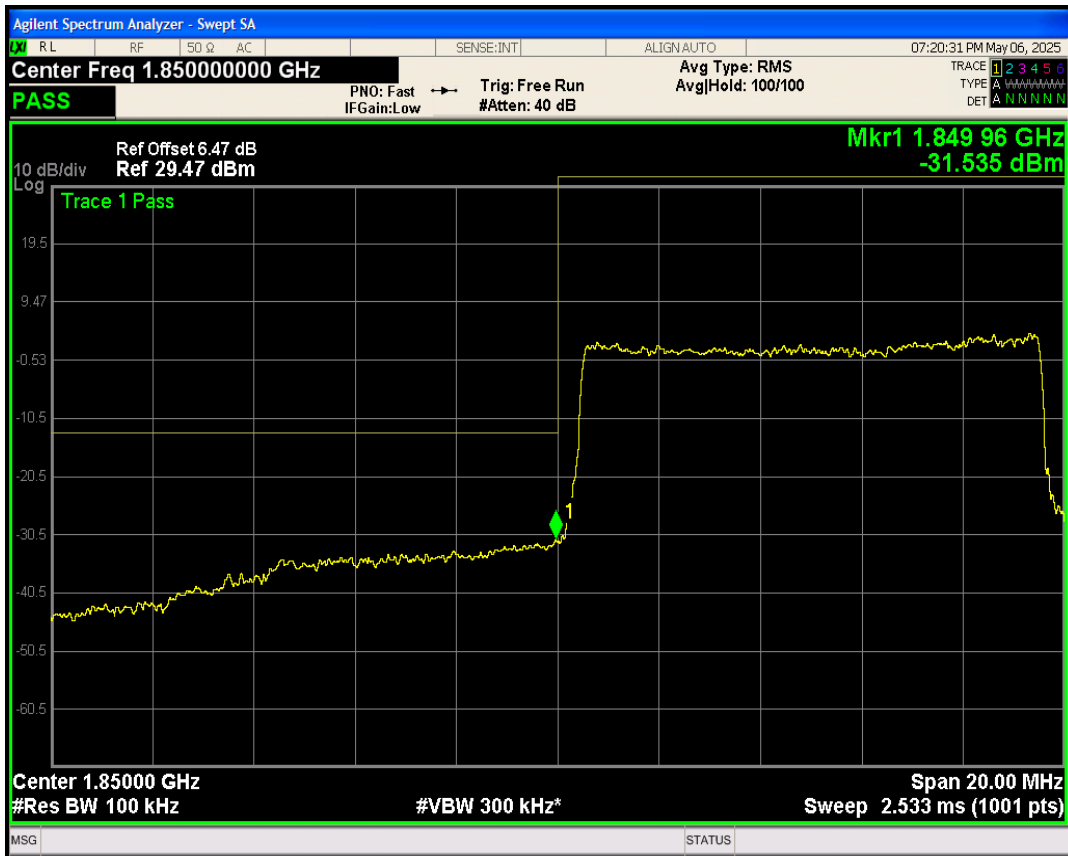


Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0

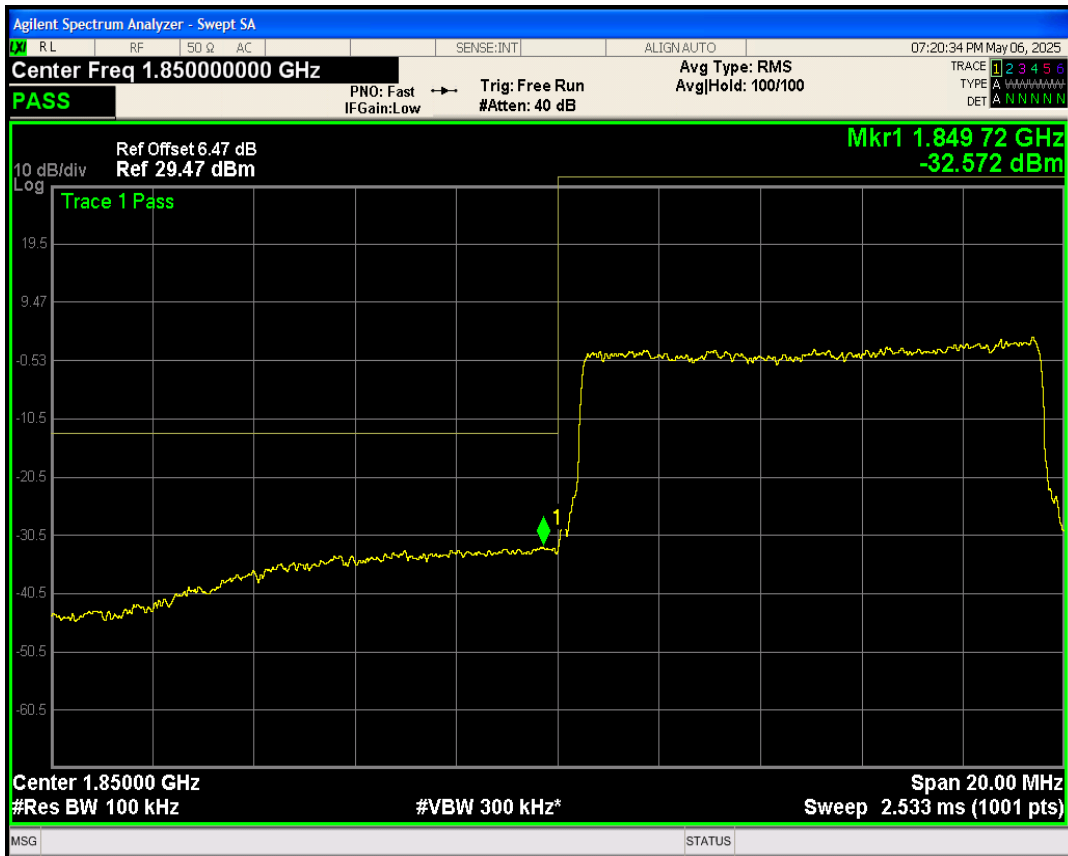




Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



Band2 16QAM BW=10MHz Channel=18650 RB Size=50 Position=#0





Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



Band2 16QAM BW=10MHz Channel=19150 RB Size=50 Position=#0

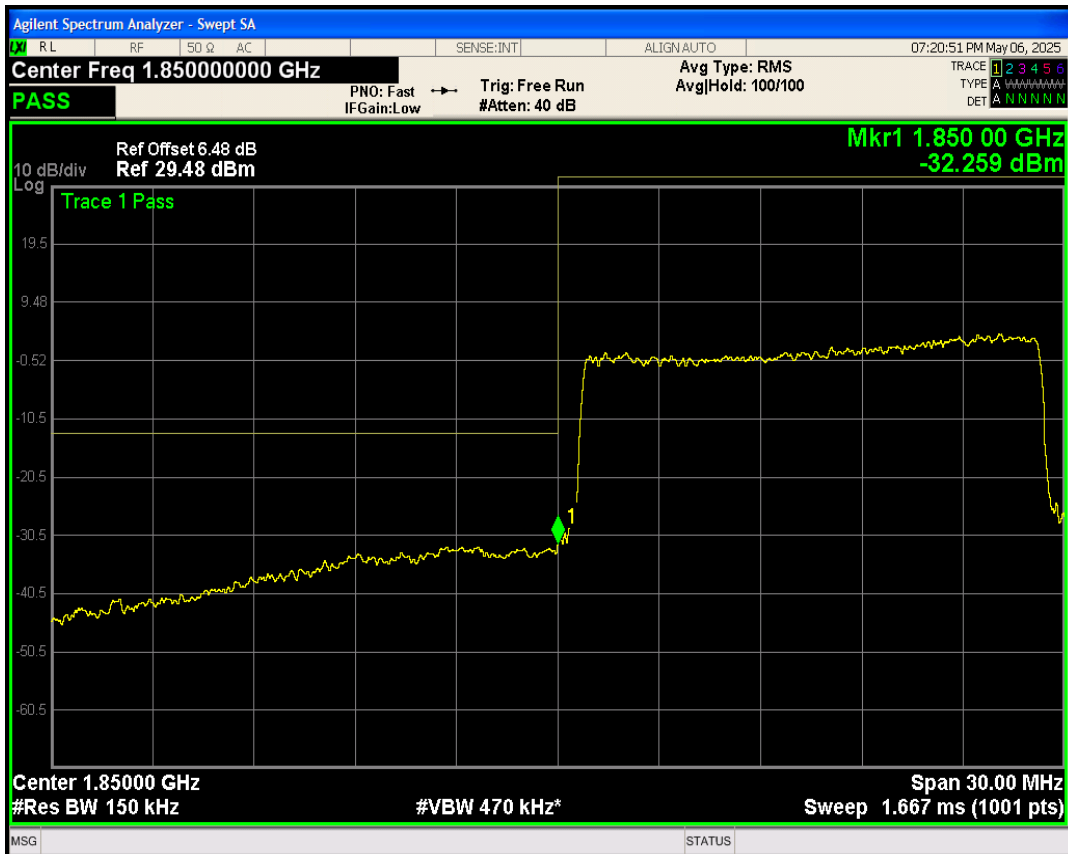




Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



Band2 16QAM BW=15MHz Channel=18675 RB Size=75 Position=#0





Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0

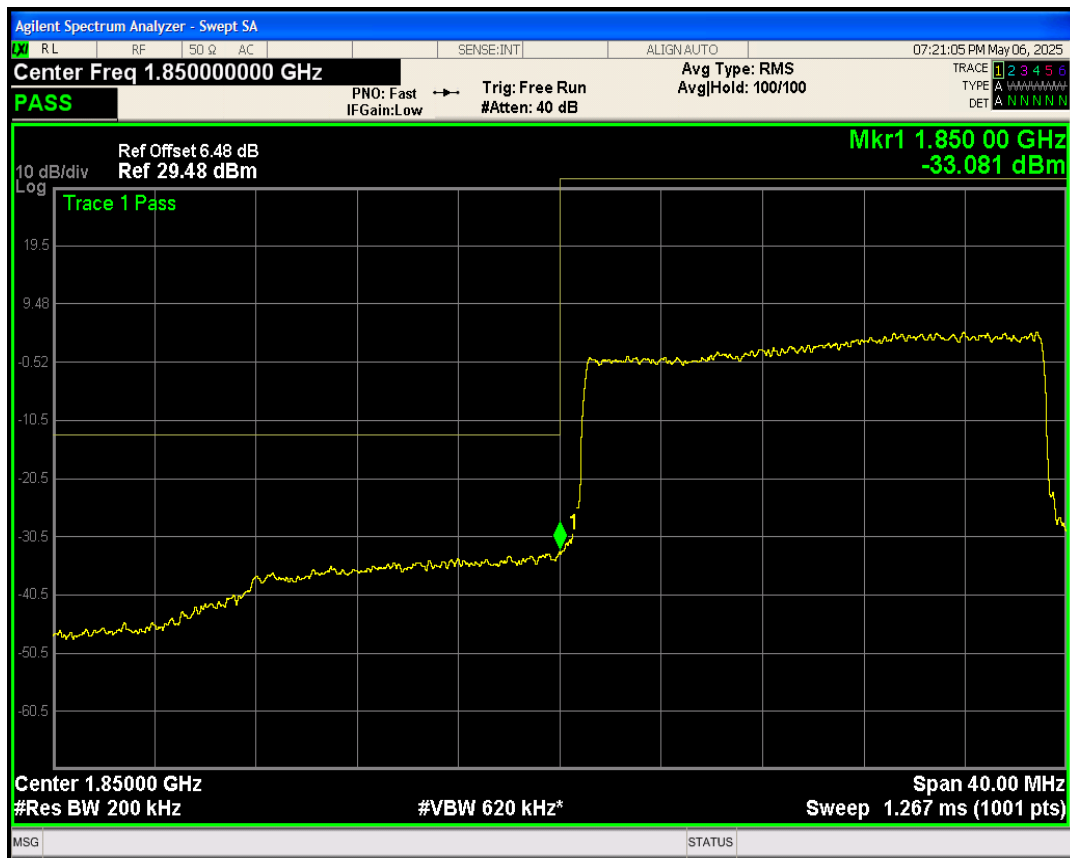


Band2 16QAM BW=15MHz Channel=19125 RB Size=75 Position=#0

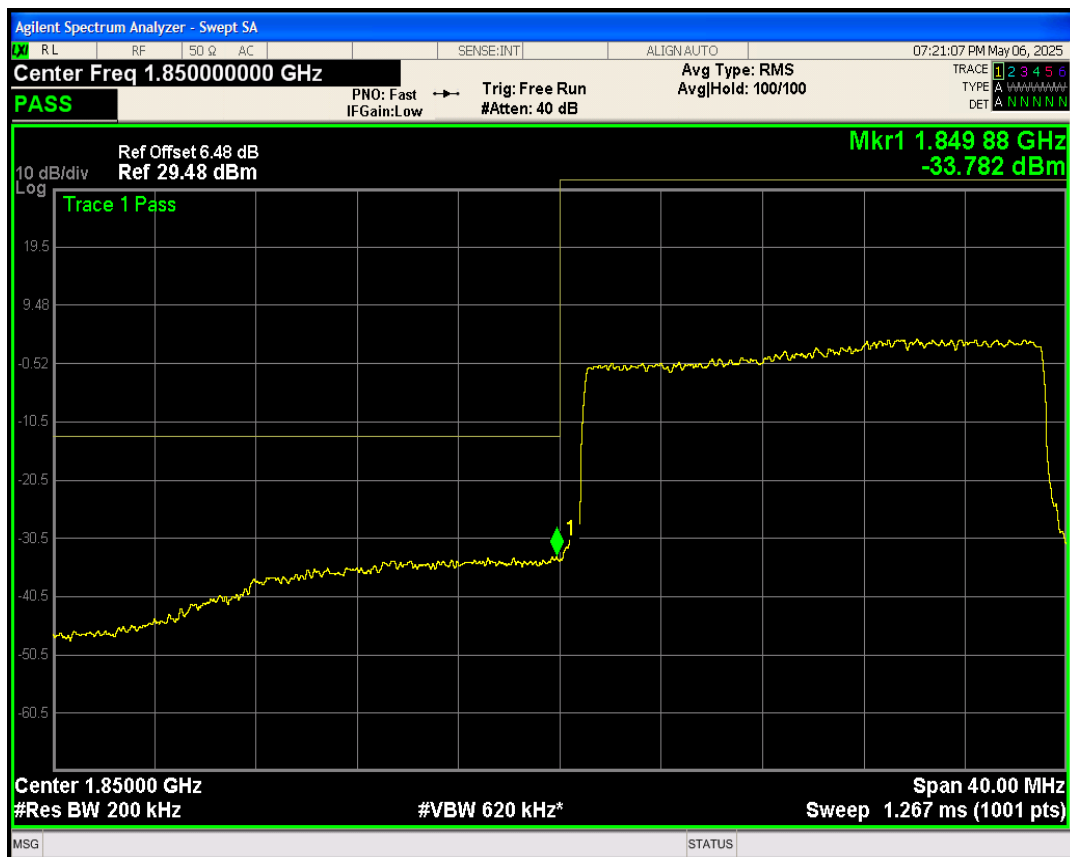




Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



Band2 16QAM BW=20MHz Channel=18700 RB Size=100 Position=#0





Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0



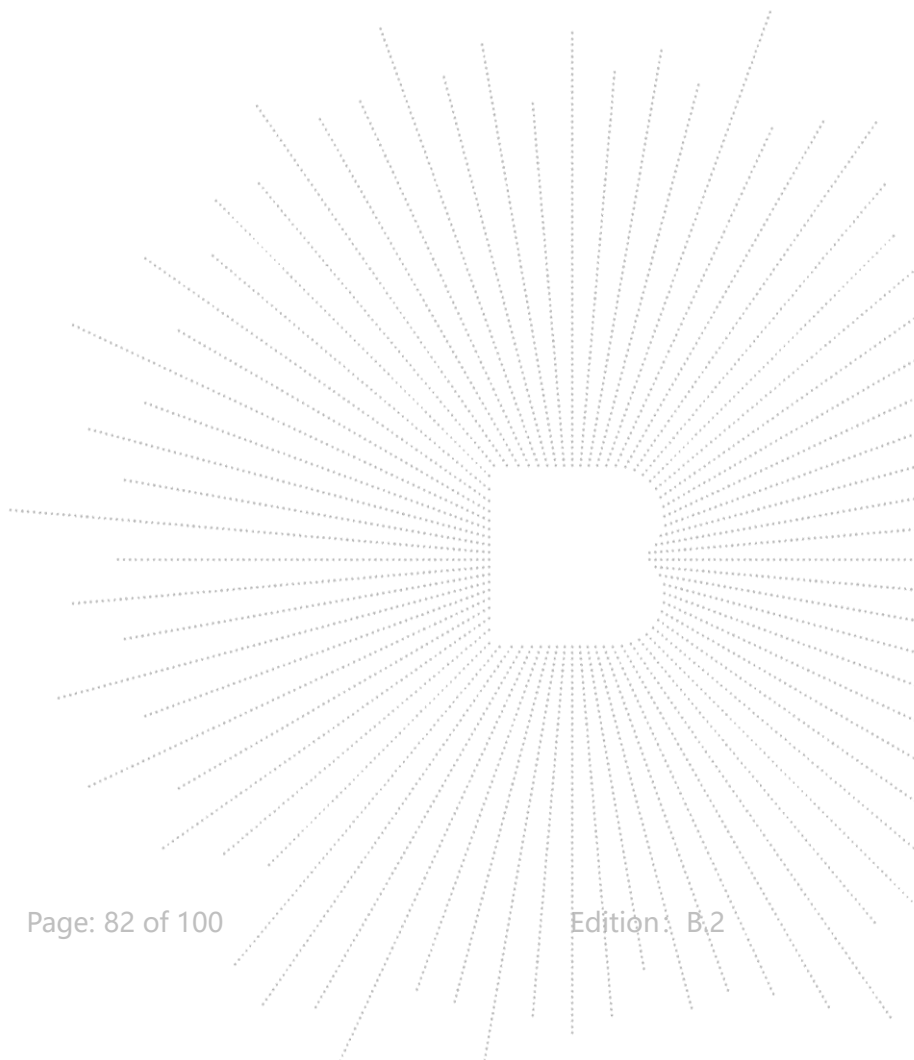
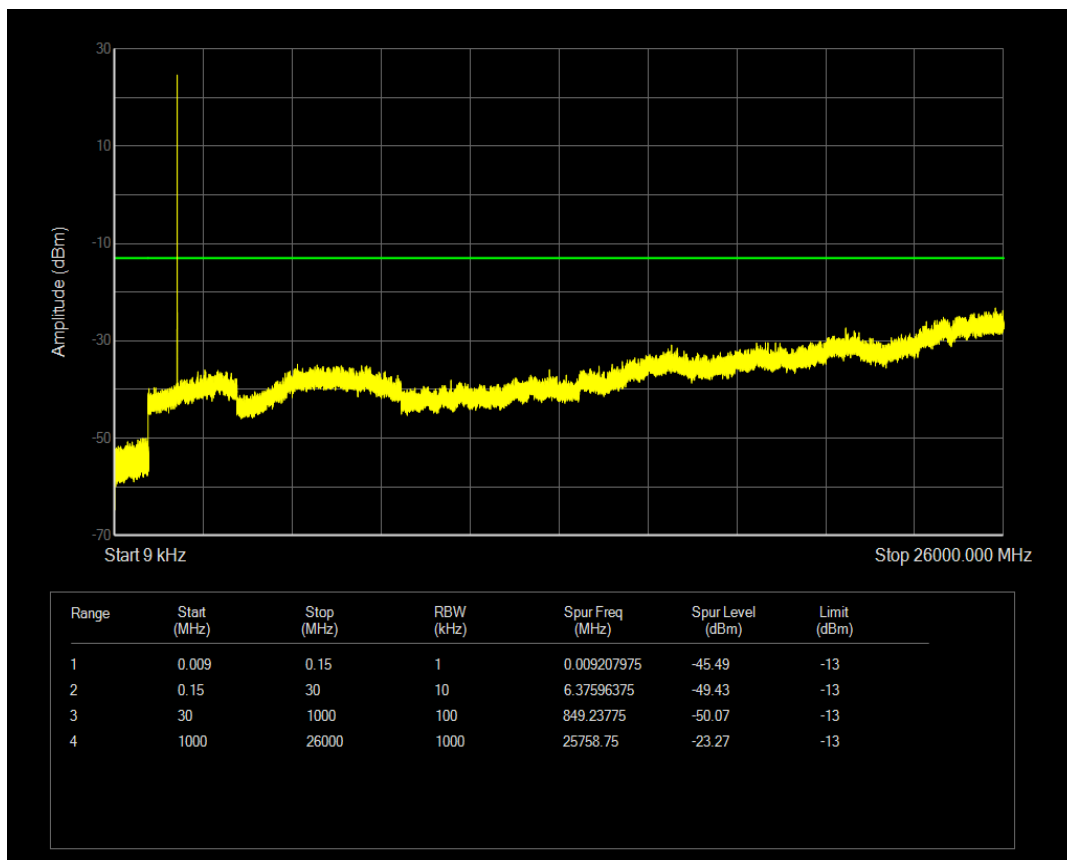
Band2 16QAM BW=20MHz Channel=19100 RB Size=100 Position=#0



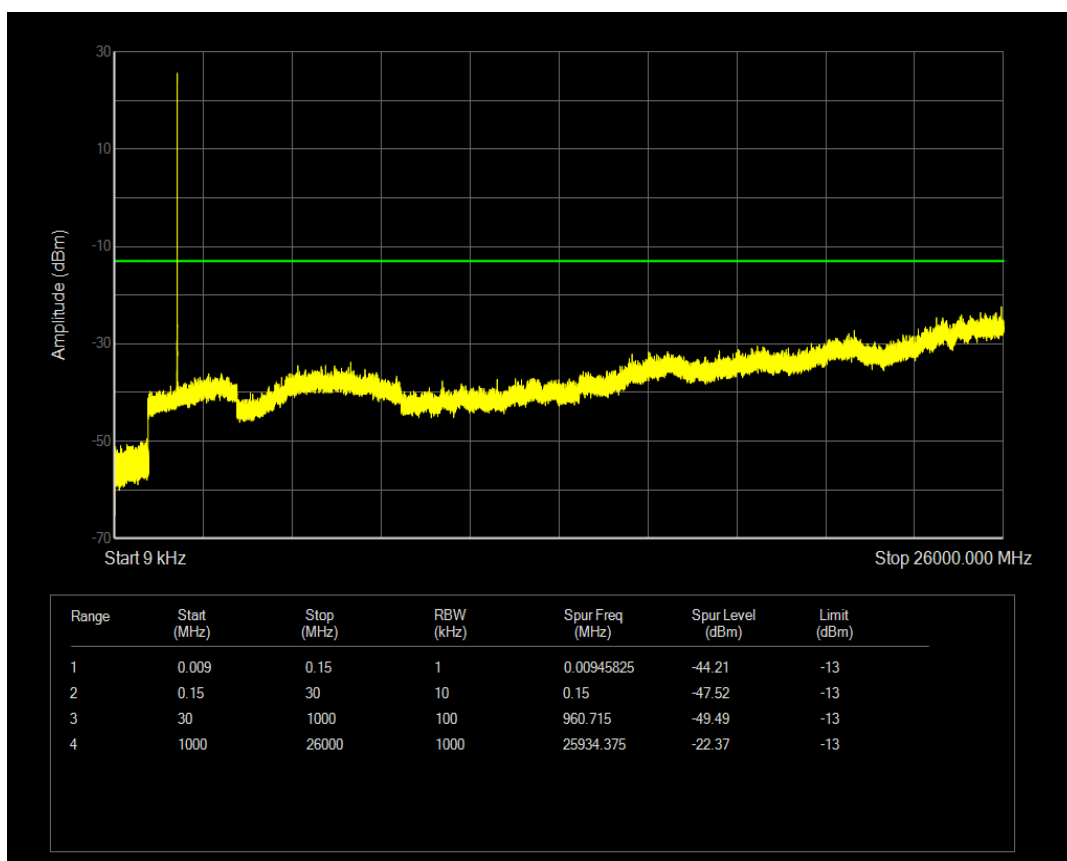
Appendix 6. Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band2	1.4	18607	6	#0	QPSK	25758.75	-23.27	-13	PASS
Band2	1.4	18607	6	#0	16QAM	25934.38	-22.37	-13	PASS
Band2	1.4	18900	6	#0	QPSK	25841.88	-23.15	-13	PASS
Band2	1.4	18900	6	#0	16QAM	25776.88	-23.39	-13	PASS
Band2	1.4	19193	6	#0	QPSK	25861.25	-22.74	-13	PASS
Band2	1.4	19193	6	#0	16QAM	25885.63	-22.85	-13	PASS
Band2	3	18615	15	#0	QPSK	25036.88	-23.55	-13	PASS
Band2	3	18615	15	#0	16QAM	25801.88	-23.08	-13	PASS
Band2	3	18900	15	#0	QPSK	25827.50	-22.34	-13	PASS
Band2	3	18900	15	#0	16QAM	25403.13	-22.71	-13	PASS
Band2	3	19185	15	#0	QPSK	25078.13	-24.18	-13	PASS
Band2	3	19185	15	#0	16QAM	25782.50	-22.81	-13	PASS
Band2	5	18625	25	#0	QPSK	25357.50	-23.75	-13	PASS
Band2	5	18625	25	#0	16QAM	25103.75	-23.31	-13	PASS
Band2	5	18900	25	#0	QPSK	25950.63	-23.00	-13	PASS
Band2	5	18900	25	#0	16QAM	25065.63	-23.49	-13	PASS
Band2	5	19175	25	#0	QPSK	25071.88	-23.49	-13	PASS
Band2	5	19175	25	#0	16QAM	25035.63	-22.87	-13	PASS
Band2	10	18650	50	#0	QPSK	24691.25	-23.68	-13	PASS
Band2	10	18650	50	#0	16QAM	25976.88	-23.26	-13	PASS
Band2	10	18900	50	#0	QPSK	25776.88	-22.99	-13	PASS
Band2	10	18900	50	#0	16QAM	25918.13	-23.21	-13	PASS
Band2	10	19150	50	#0	QPSK	25978.75	-23.12	-13	PASS
Band2	10	19150	50	#0	16QAM	25766.25	-22.69	-13	PASS
Band2	15	18675	75	#0	QPSK	25131.88	-23.34	-13	PASS
Band2	15	18675	75	#0	16QAM	24818.75	-23.62	-13	PASS
Band2	15	18900	75	#0	QPSK	25640.00	-23.51	-13	PASS
Band2	15	18900	75	#0	16QAM	25774.38	-23.05	-13	PASS
Band2	15	19125	75	#0	QPSK	5238.75	-22.40	-13	PASS
Band2	15	19125	75	#0	16QAM	25561.88	-22.94	-13	PASS
Band2	20	18700	100	#0	QPSK	24873.13	-23.48	-13	PASS
Band2	20	18700	100	#0	16QAM	24768.75	-23.70	-13	PASS
Band2	20	18900	100	#0	QPSK	25088.13	-23.61	-13	PASS
Band2	20	18900	100	#0	16QAM	25877.50	-23.08	-13	PASS
Band2	20	19100	100	#0	QPSK	25539.38	-23.42	-13	PASS
Band2	20	19100	100	#0	16QAM	25833.75	-23.57	-13	PASS

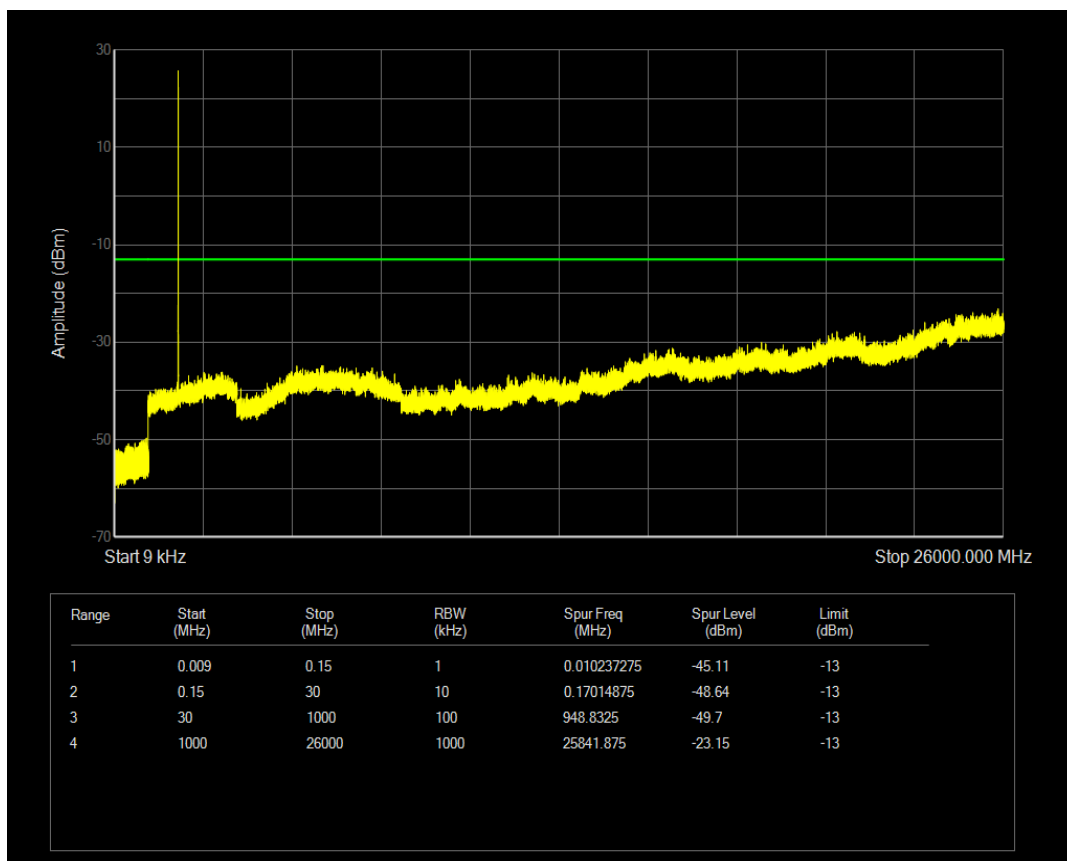
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0

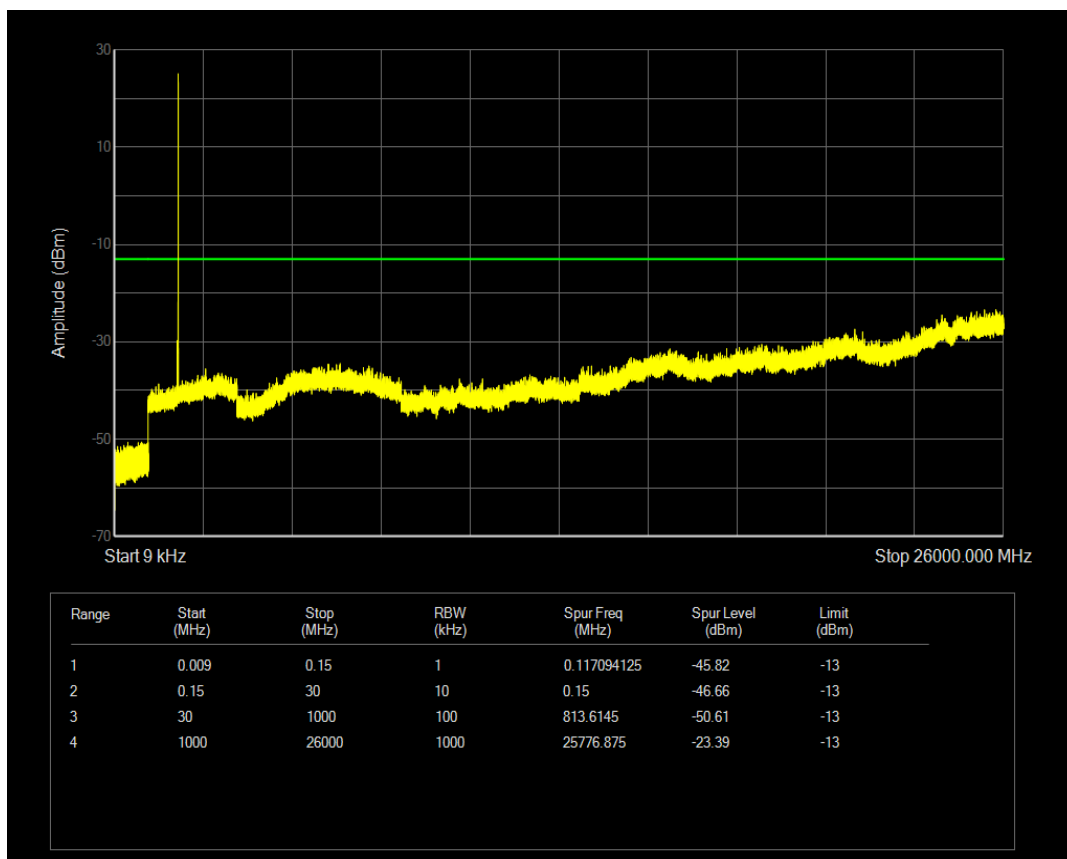


Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0

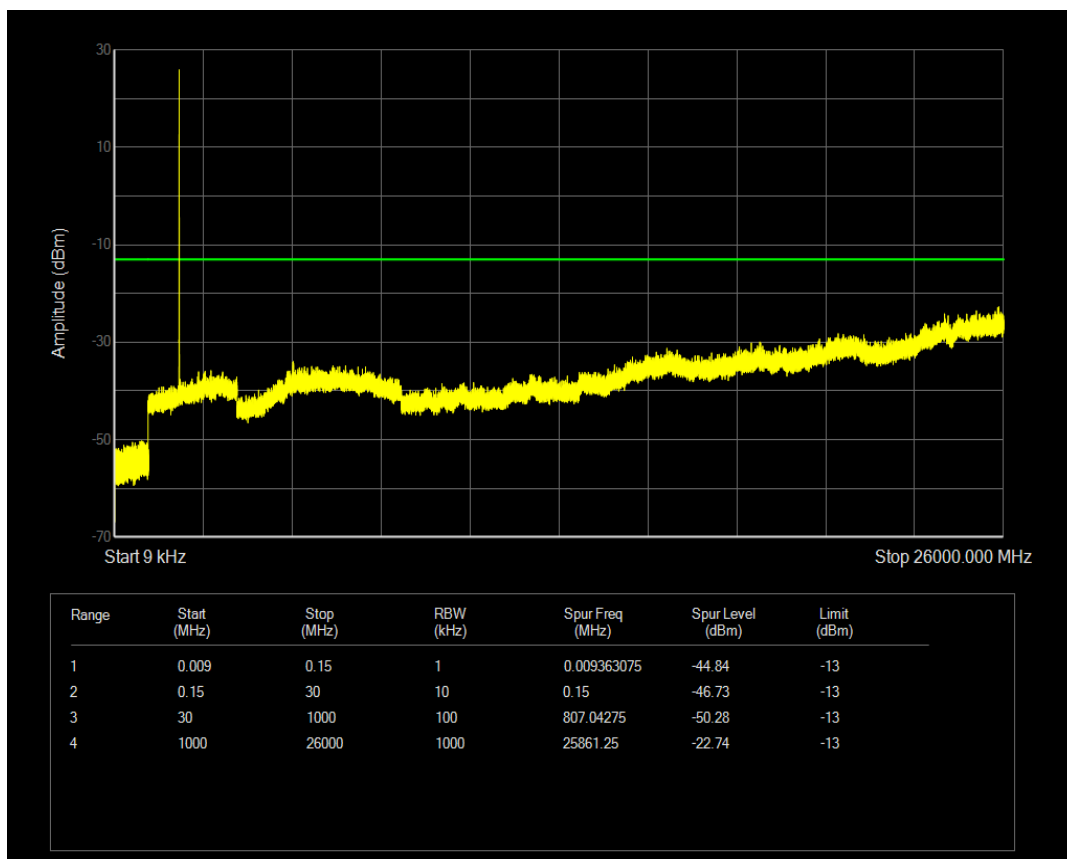




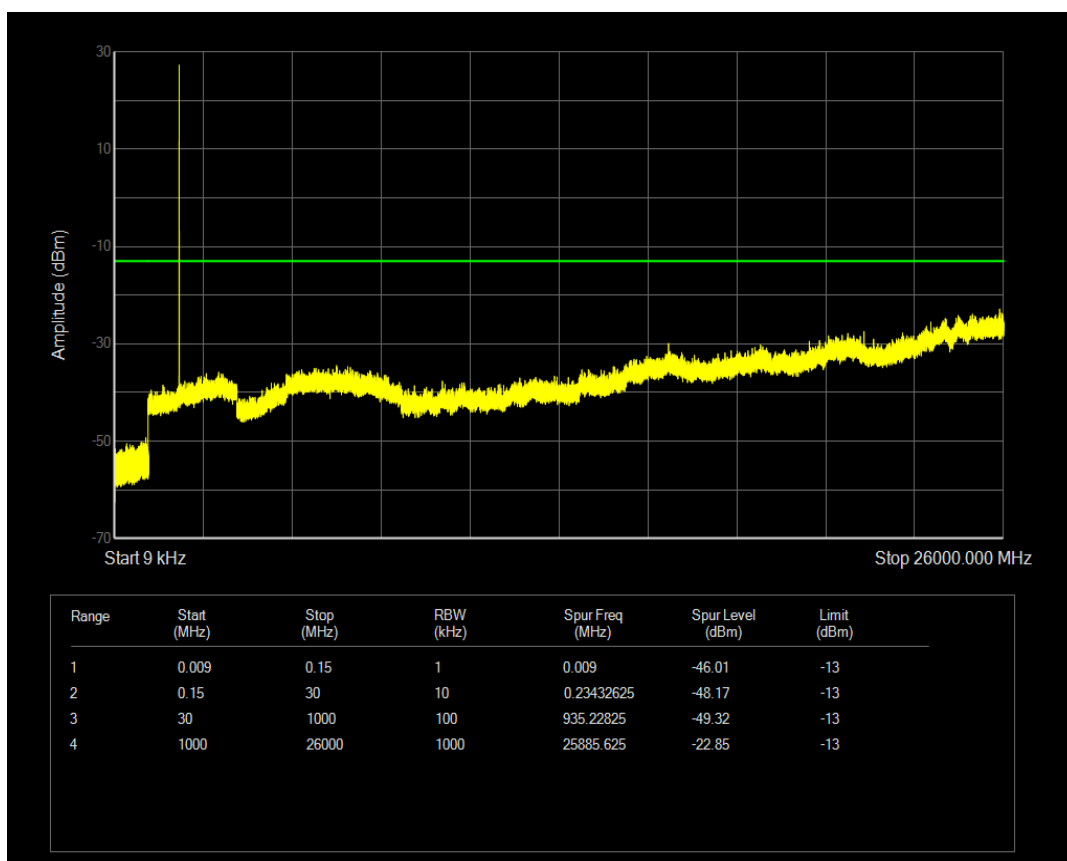
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



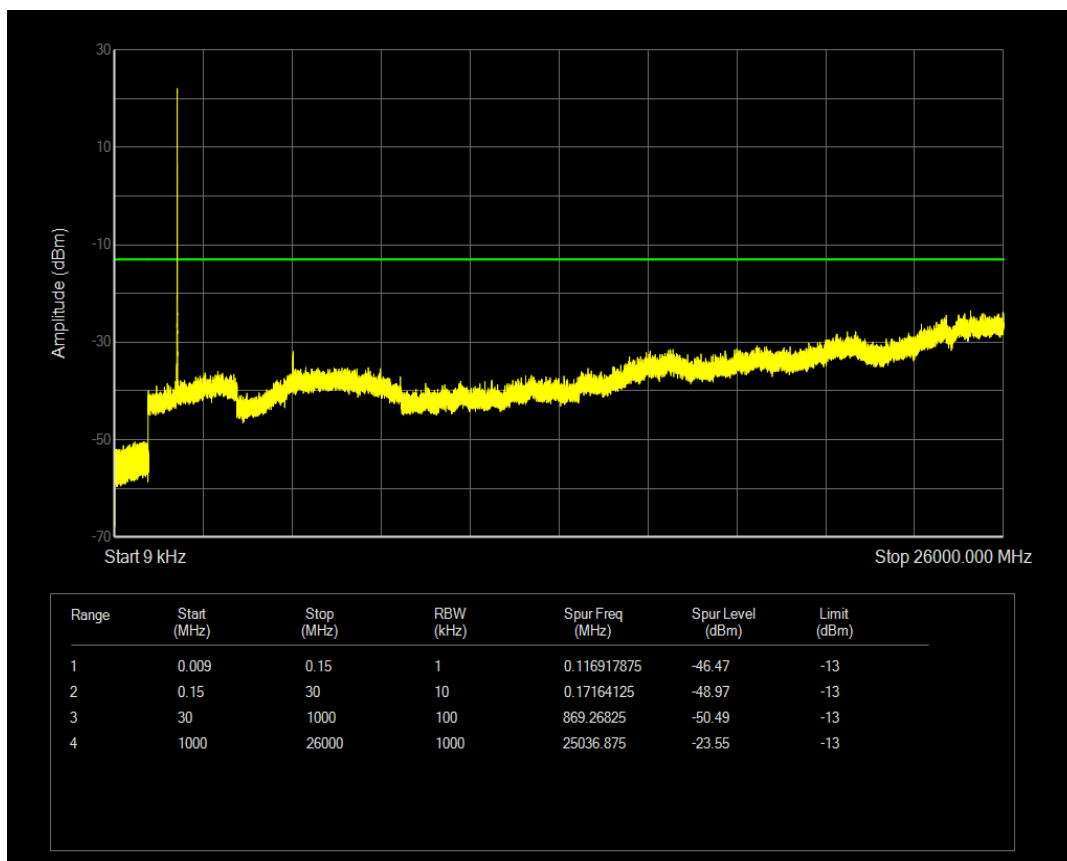
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0

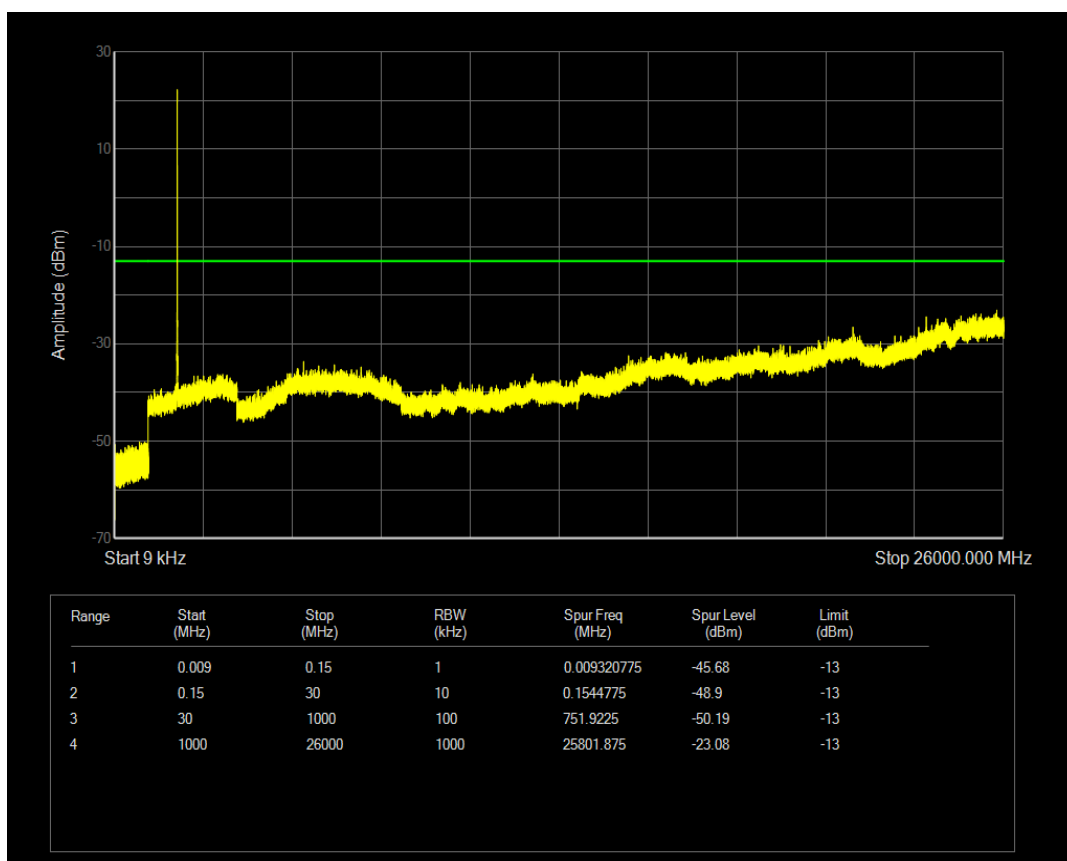


Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0

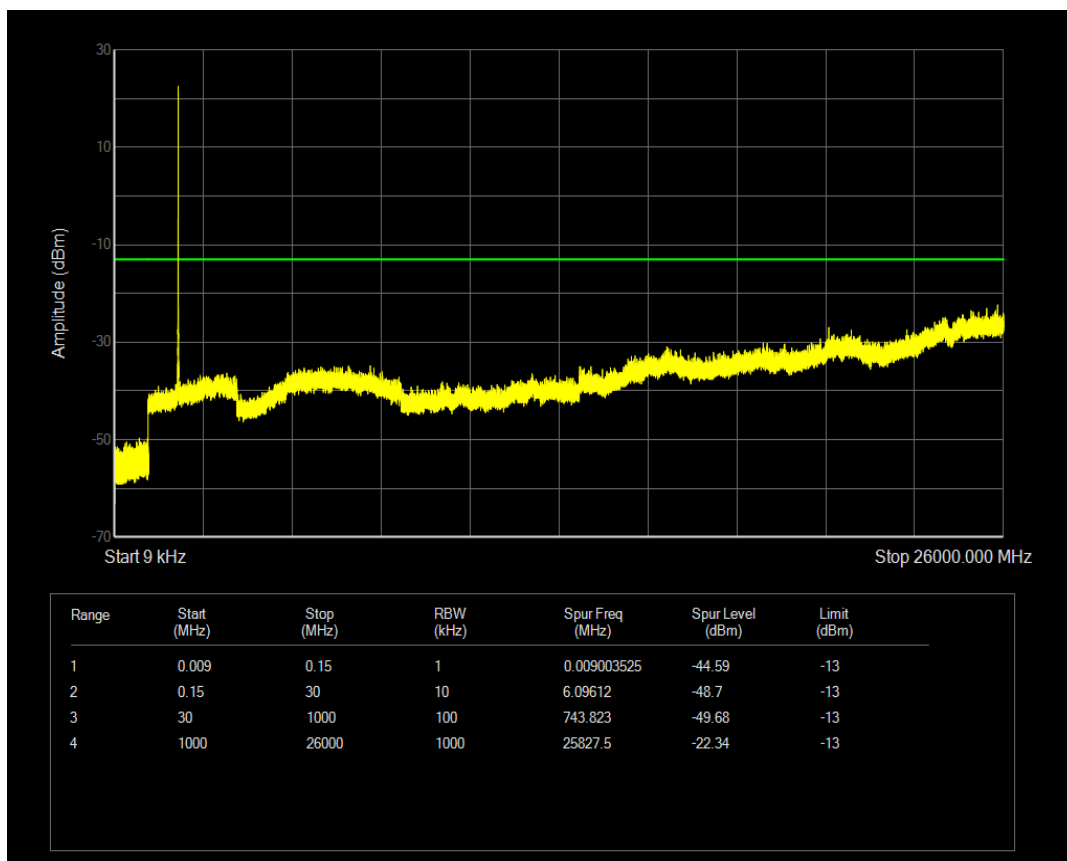




Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0

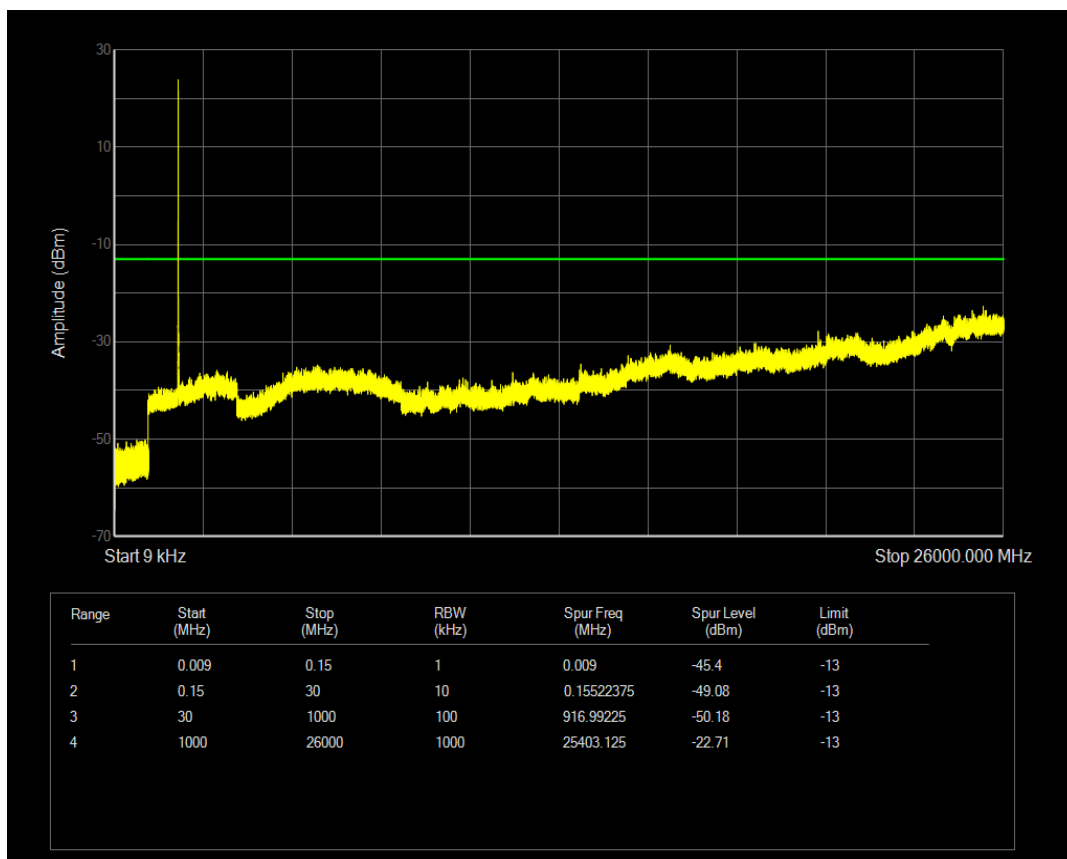


Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0

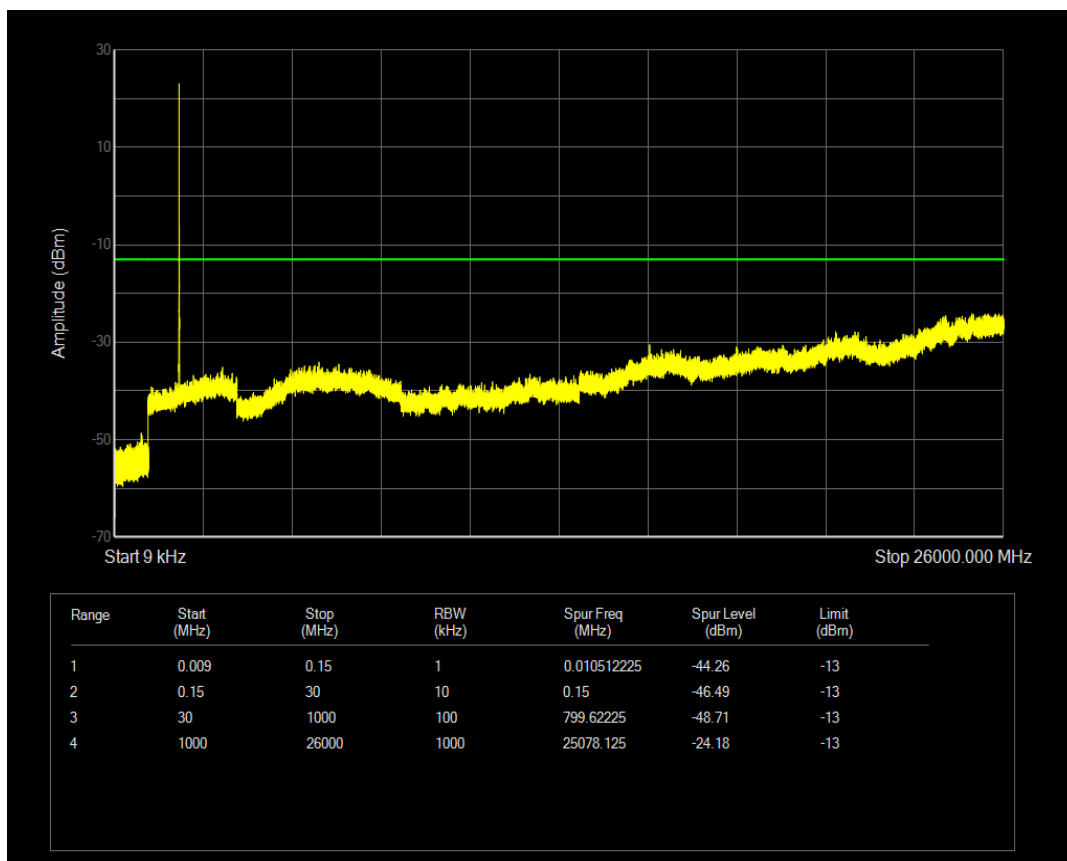




Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0

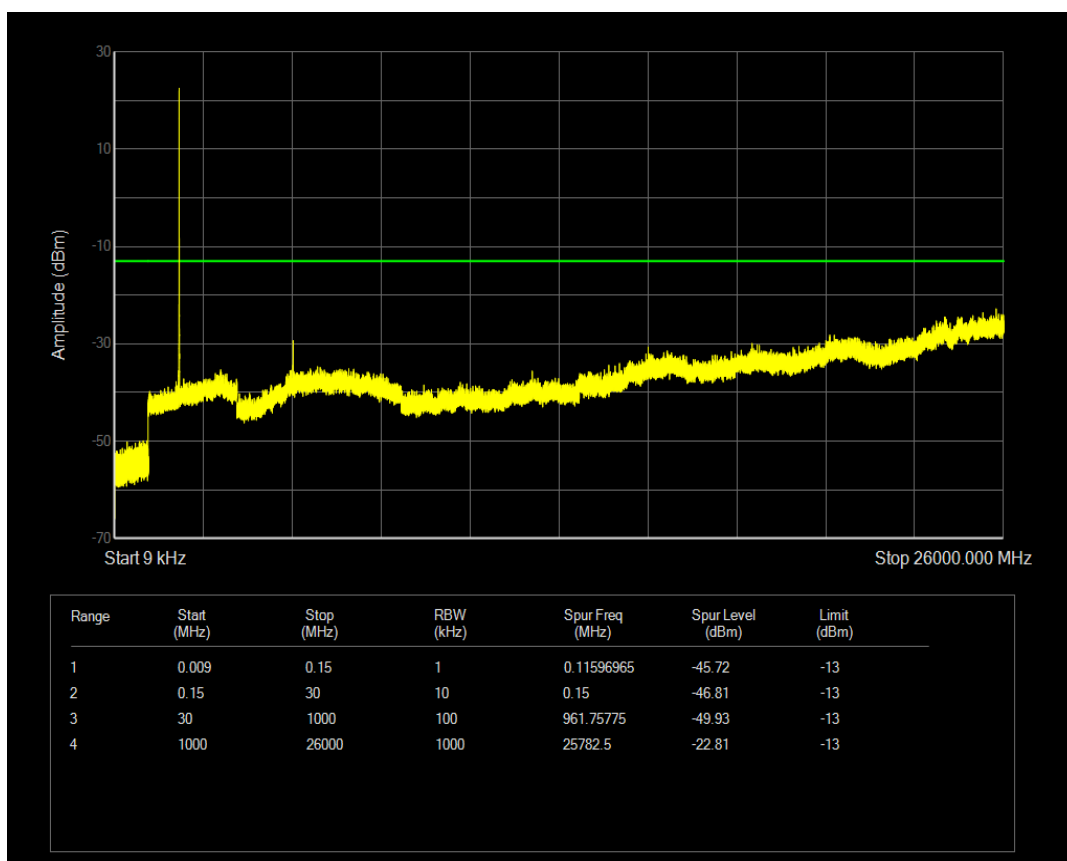


Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0

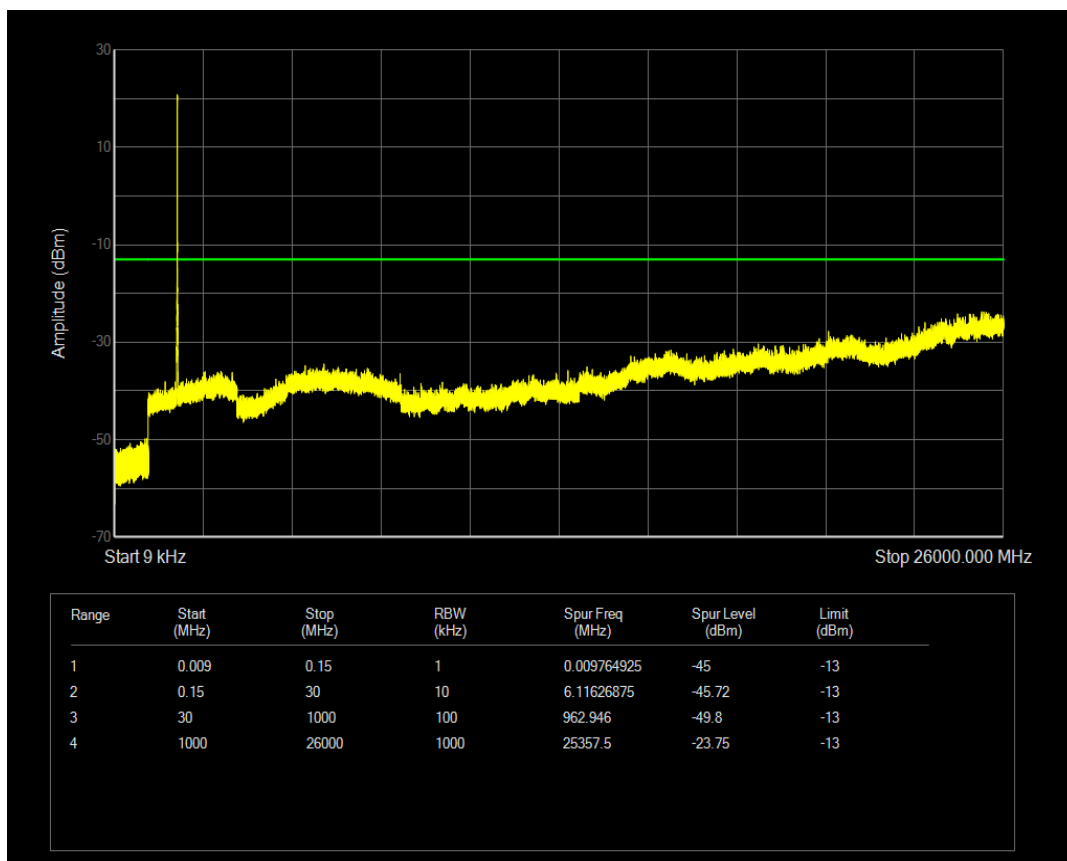




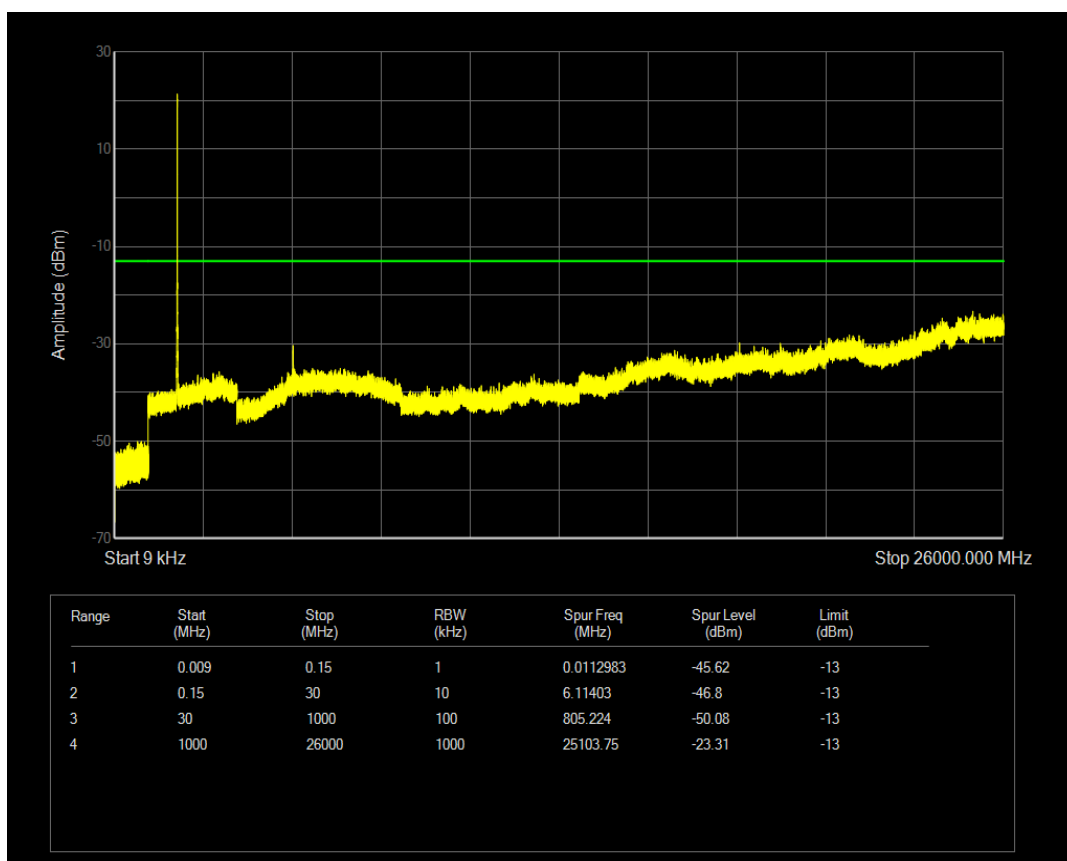
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



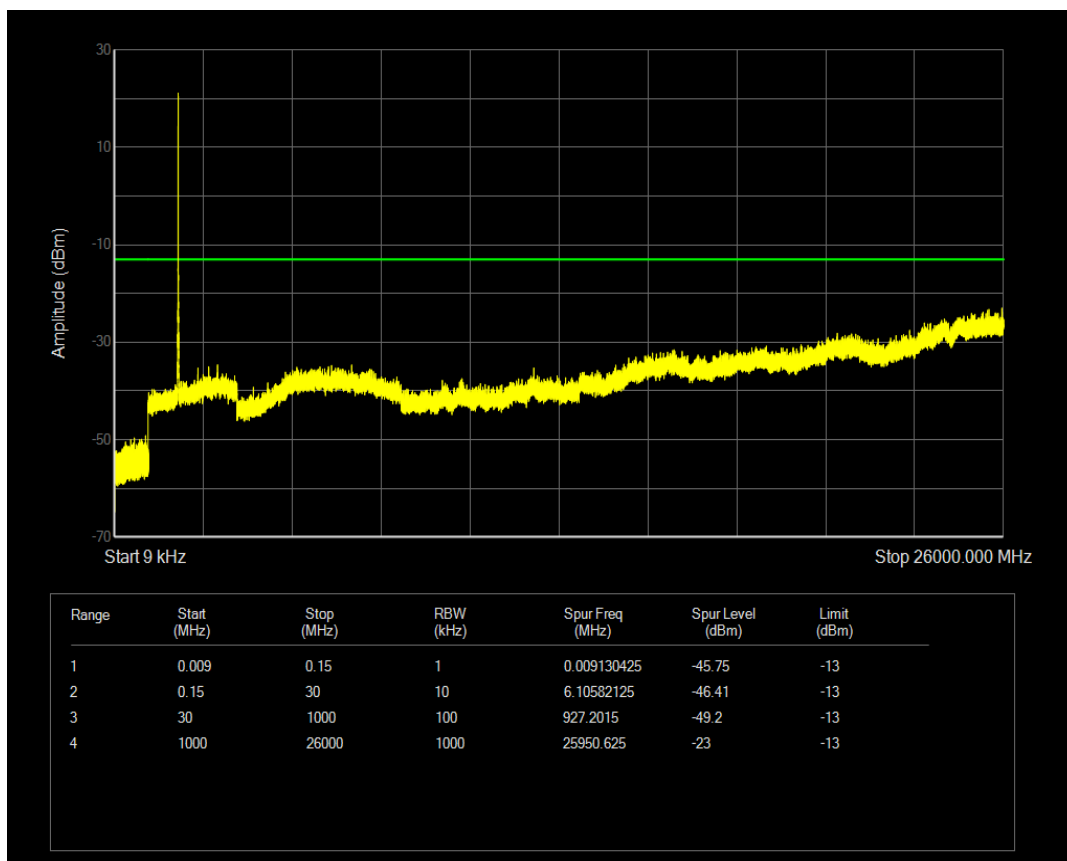
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0

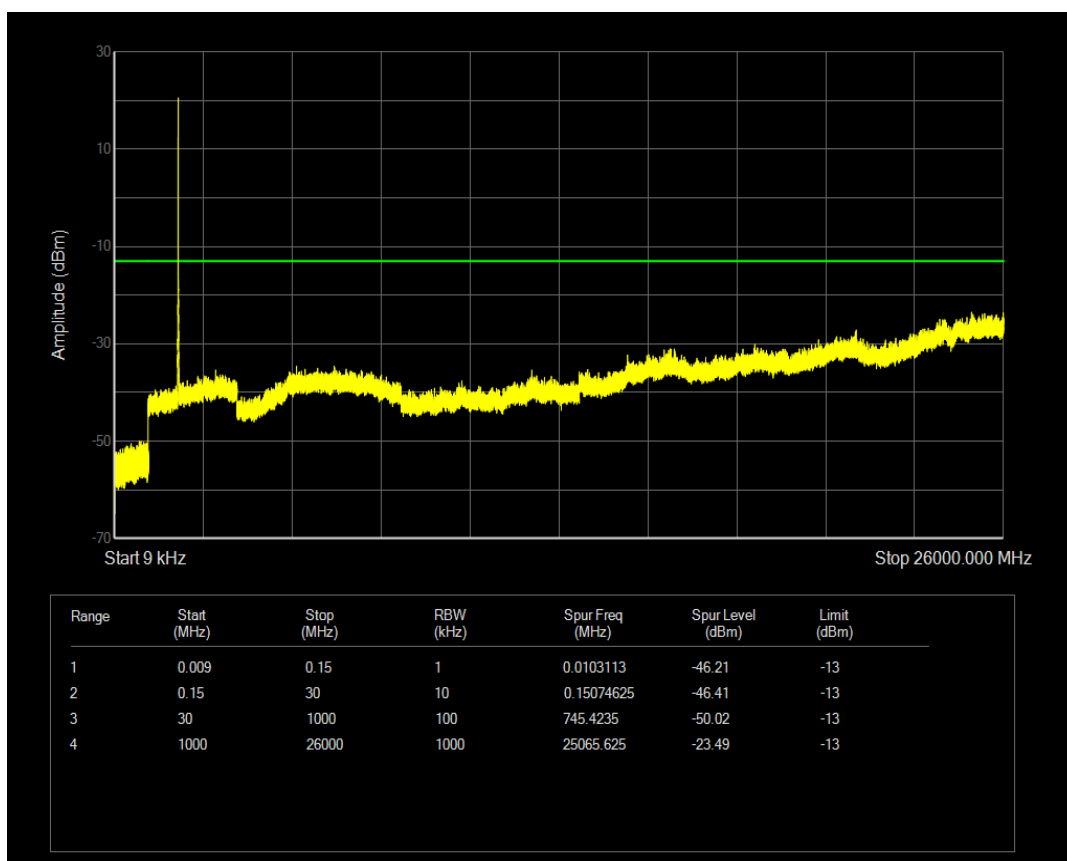


Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0

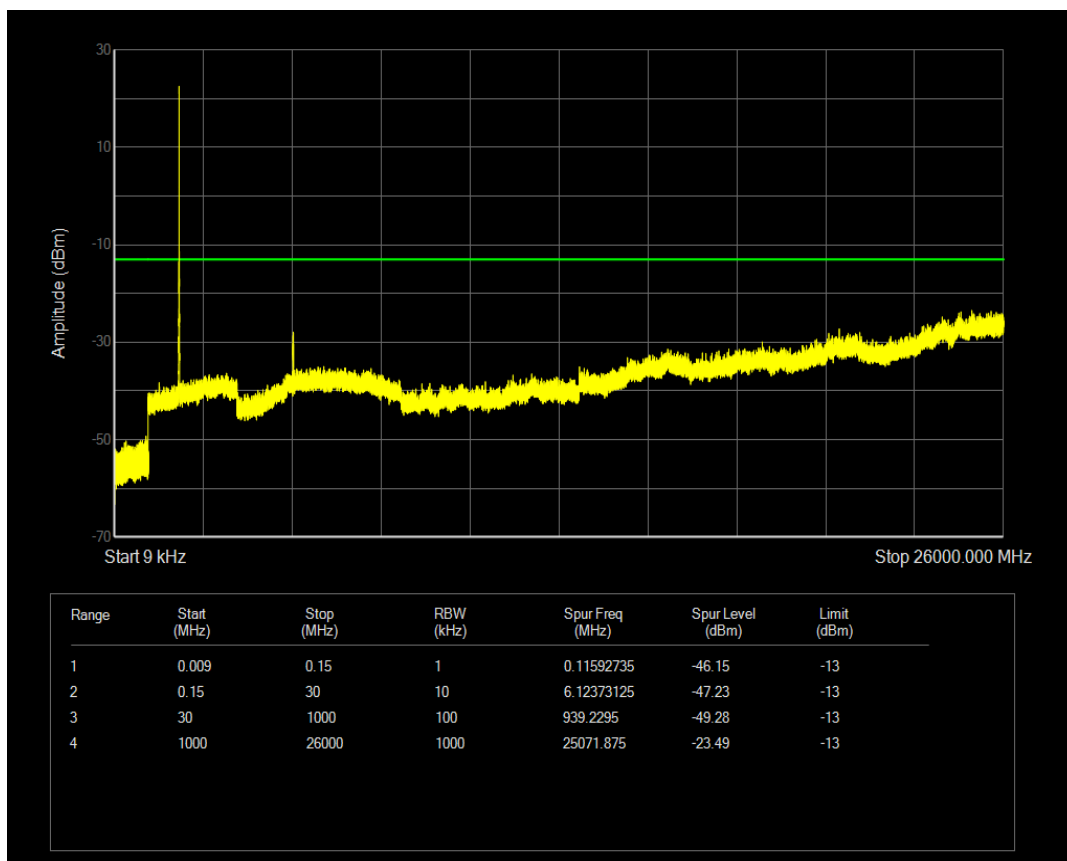




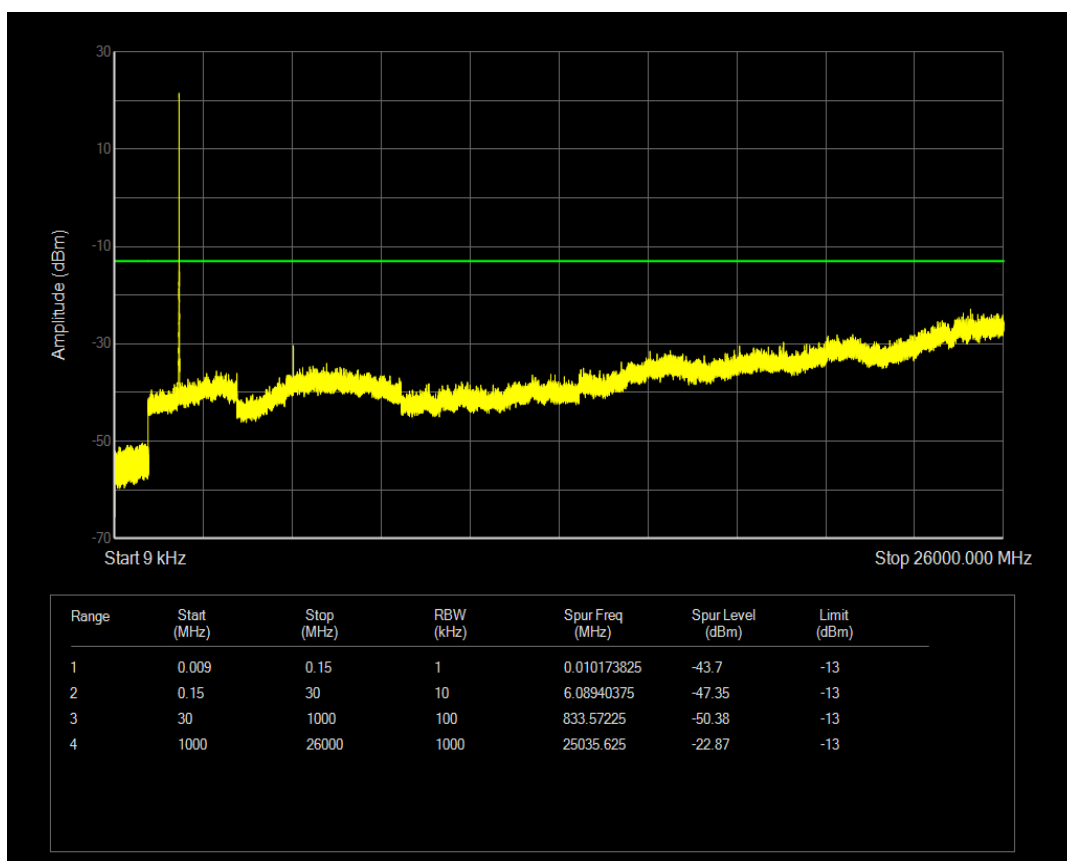
Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0



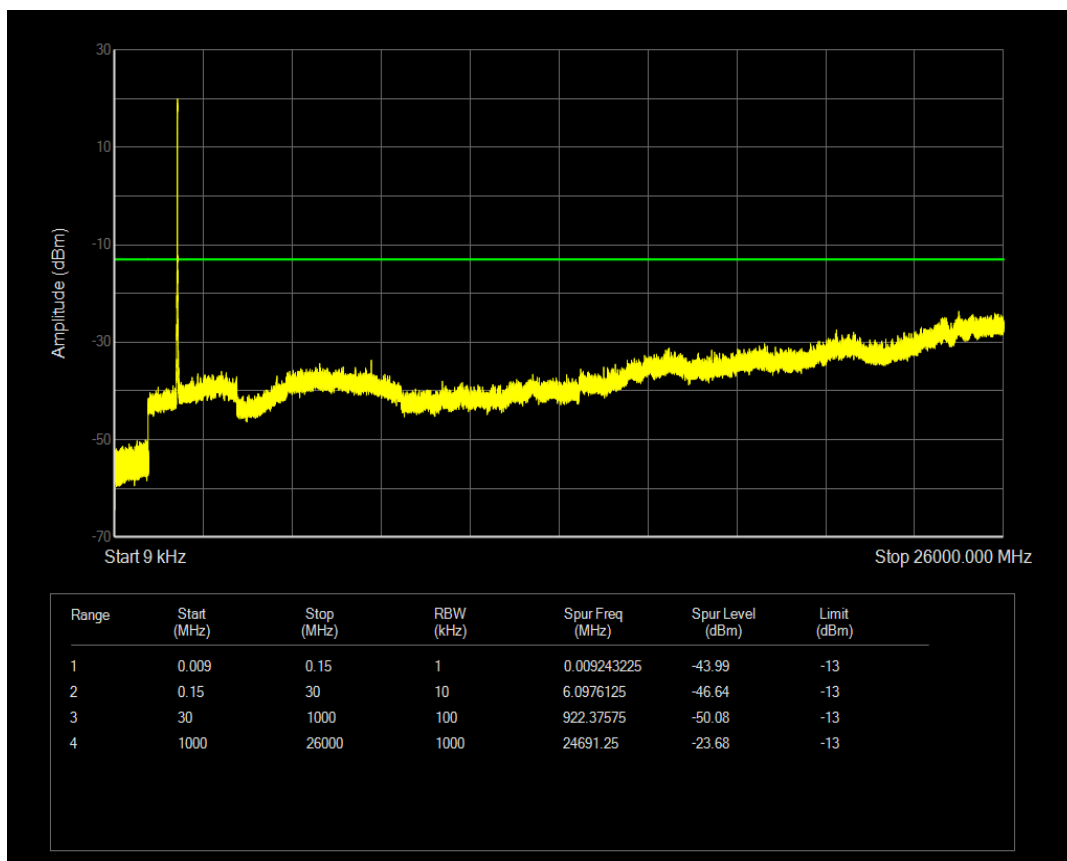
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0

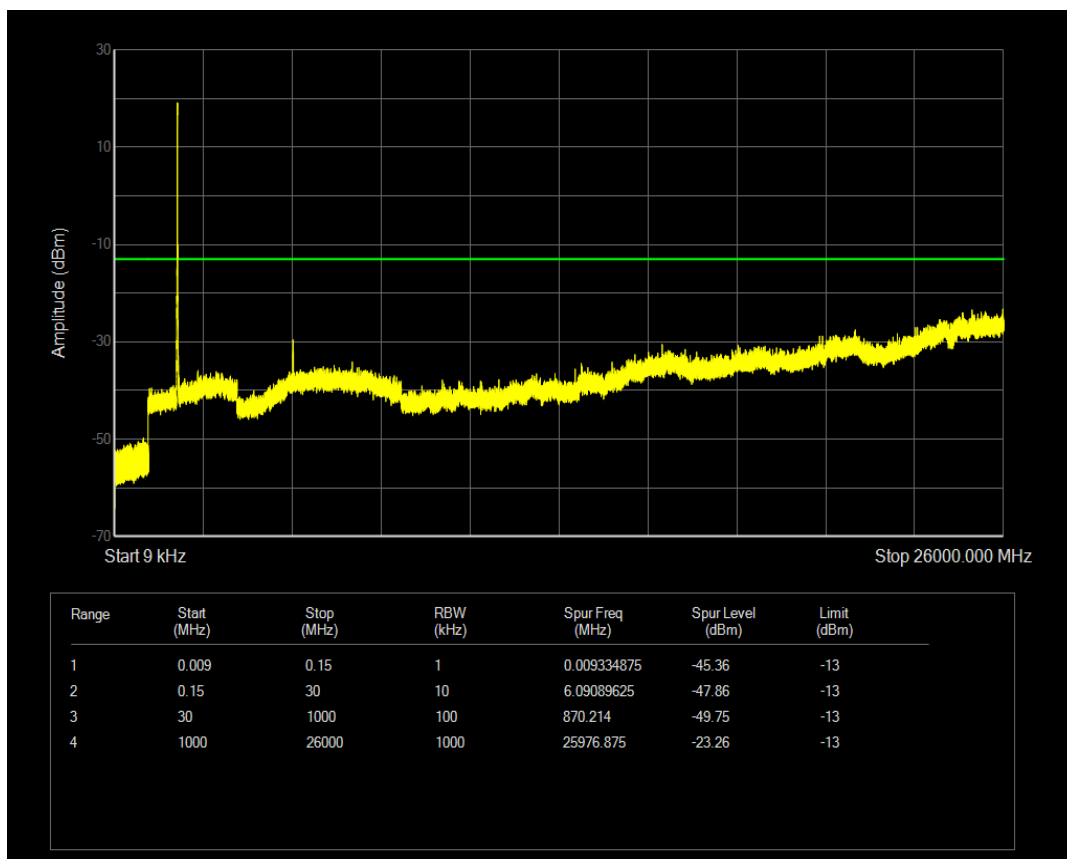


Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0

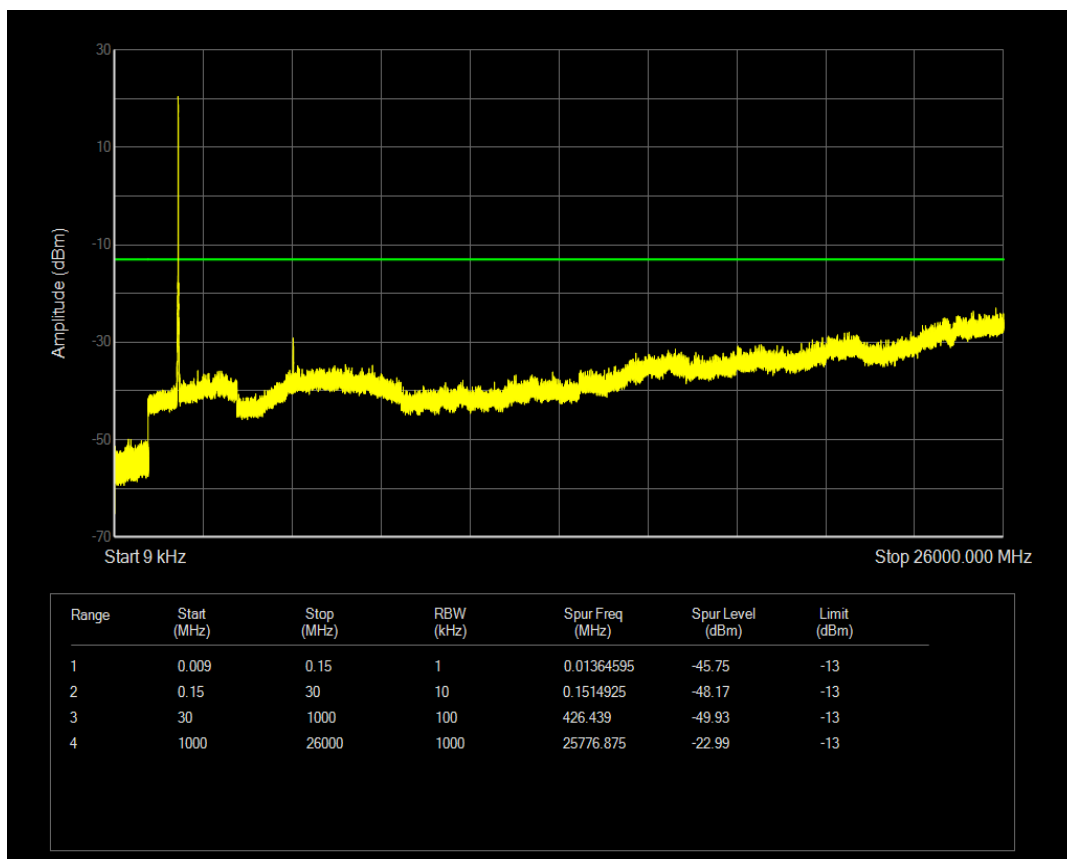




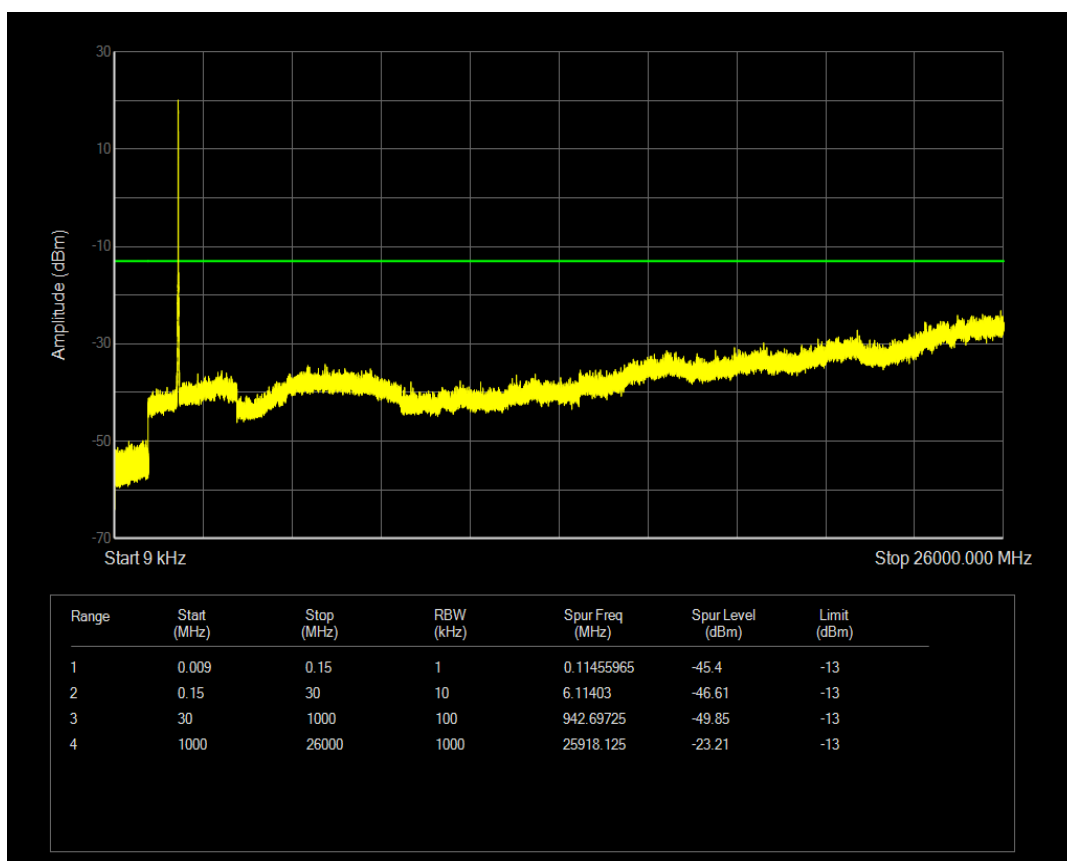
Band2 16QAM BW=10MHz Channel=18650 RB Size=50 Position=#0



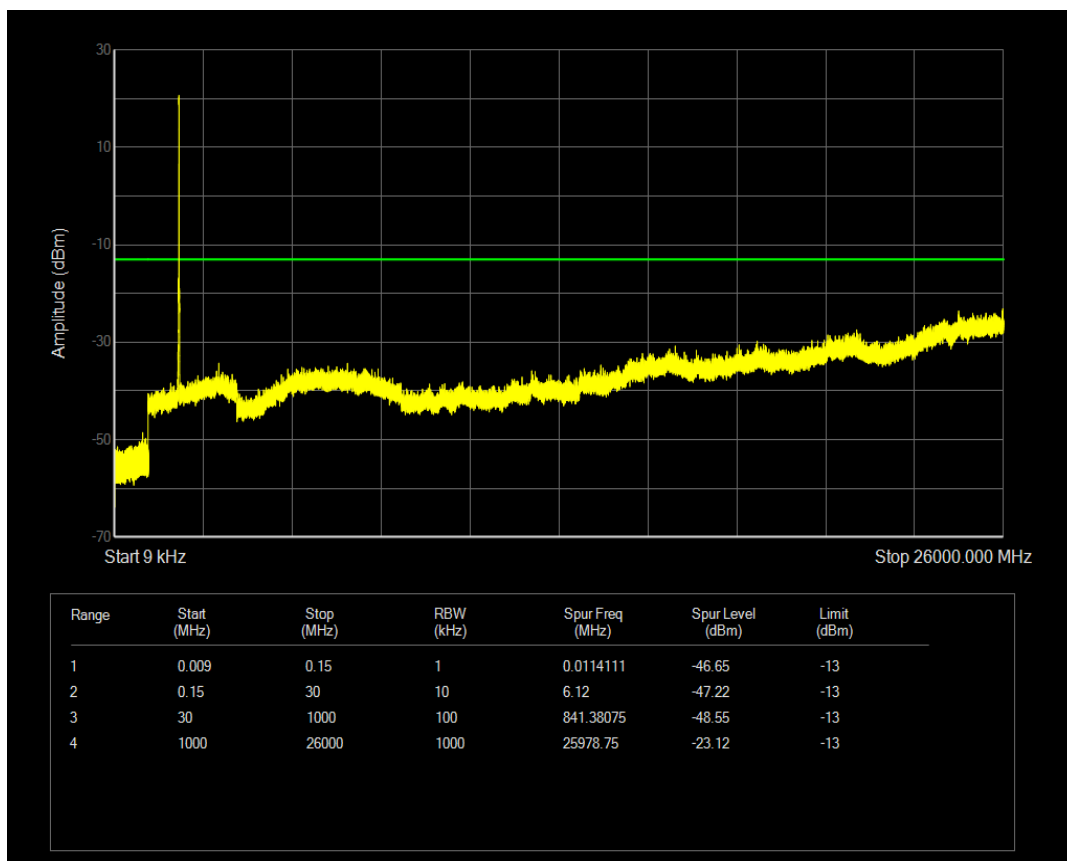
Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



Band2 16QAM BW=10MHz Channel=18900 RB Size=50 Position=#0

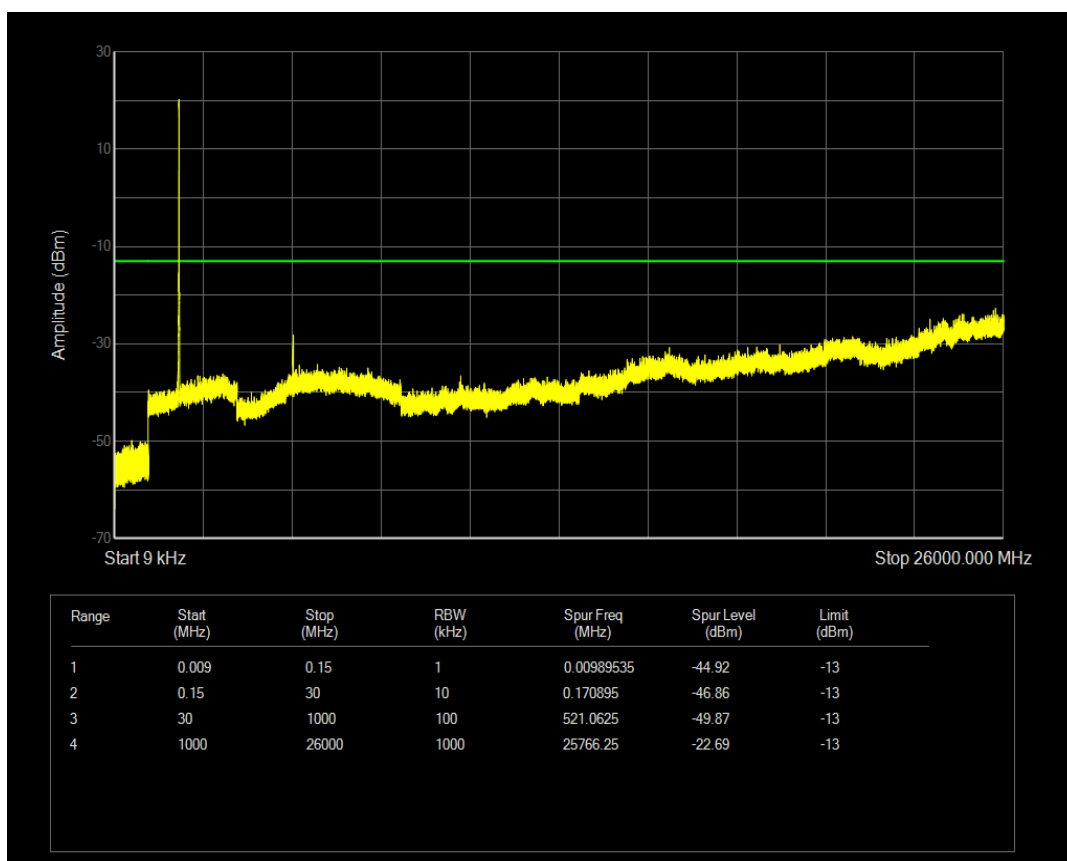


Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0

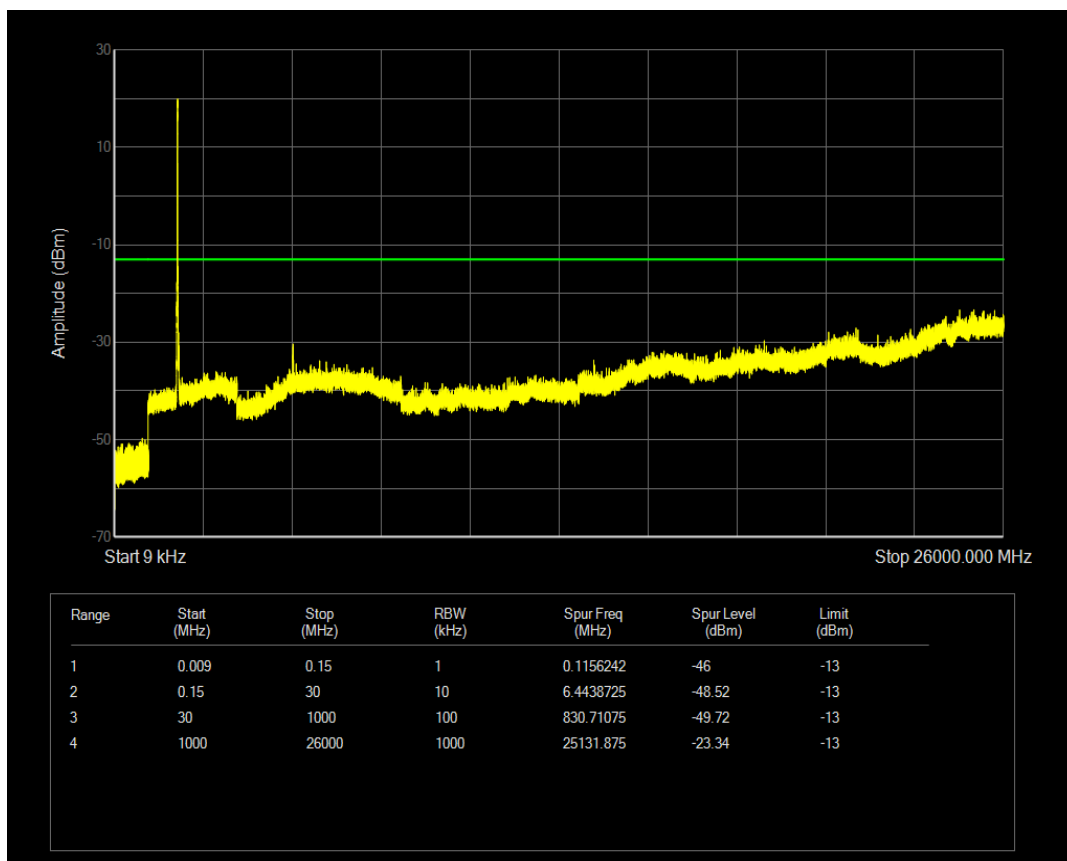




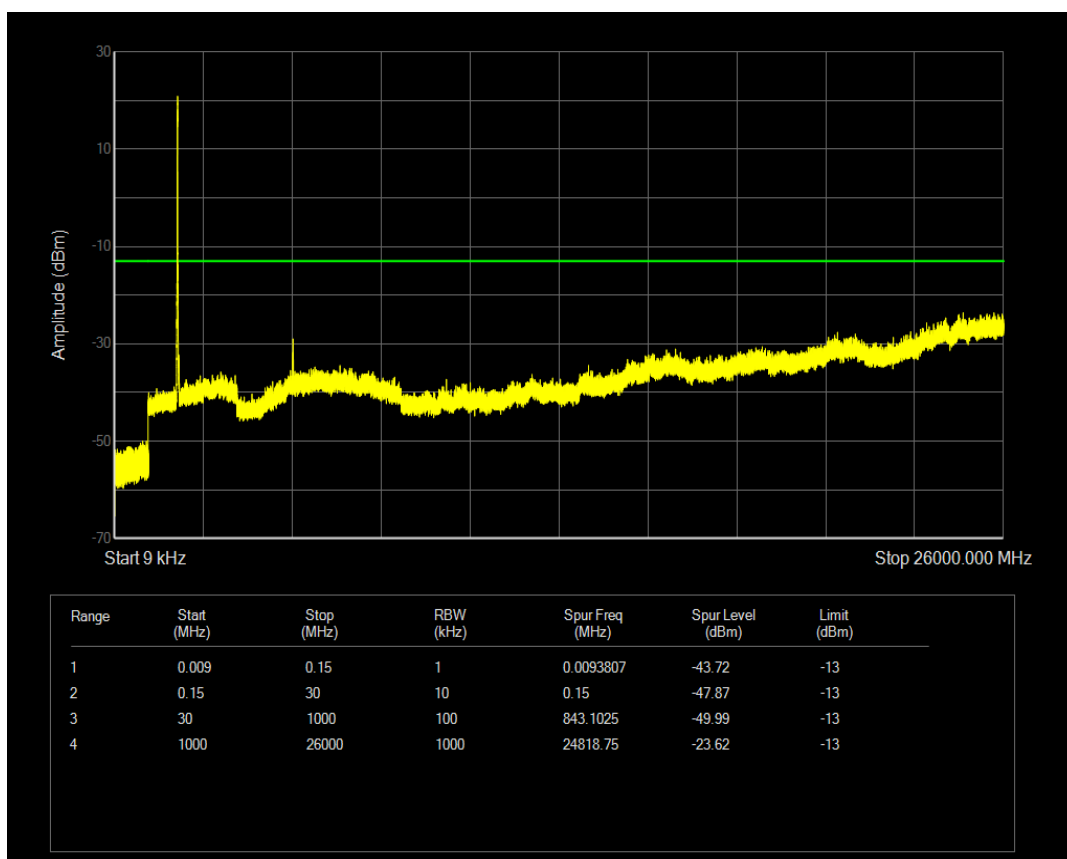
Band2 16QAM BW=10MHz Channel=19150 RB Size=50 Position=#0



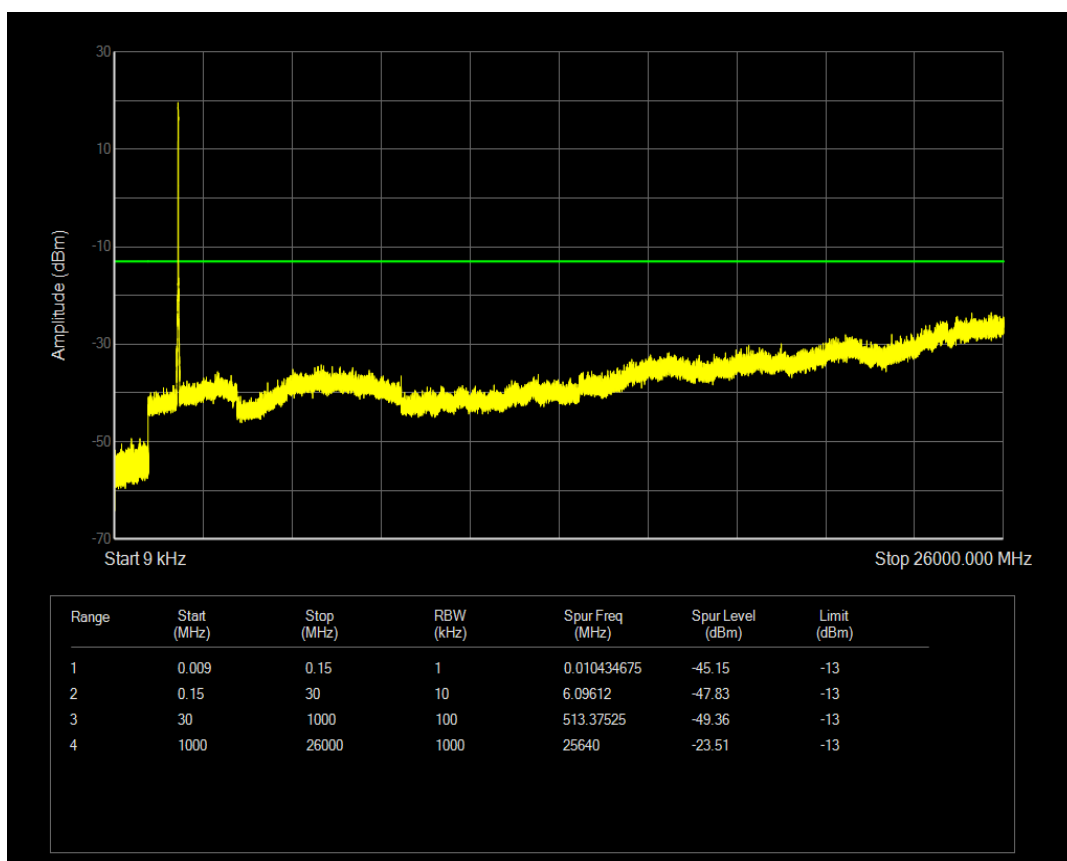
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



Band2 16QAM BW=15MHz Channel=18675 RB Size=75 Position=#0

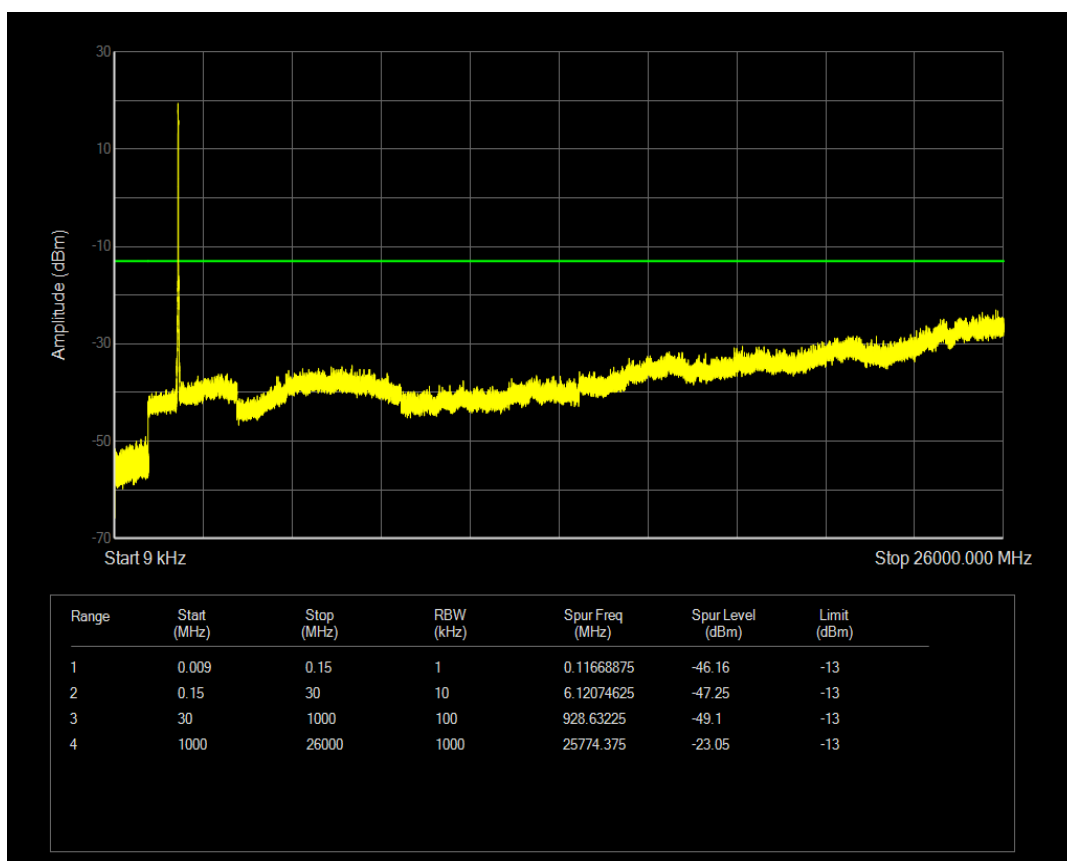


Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0

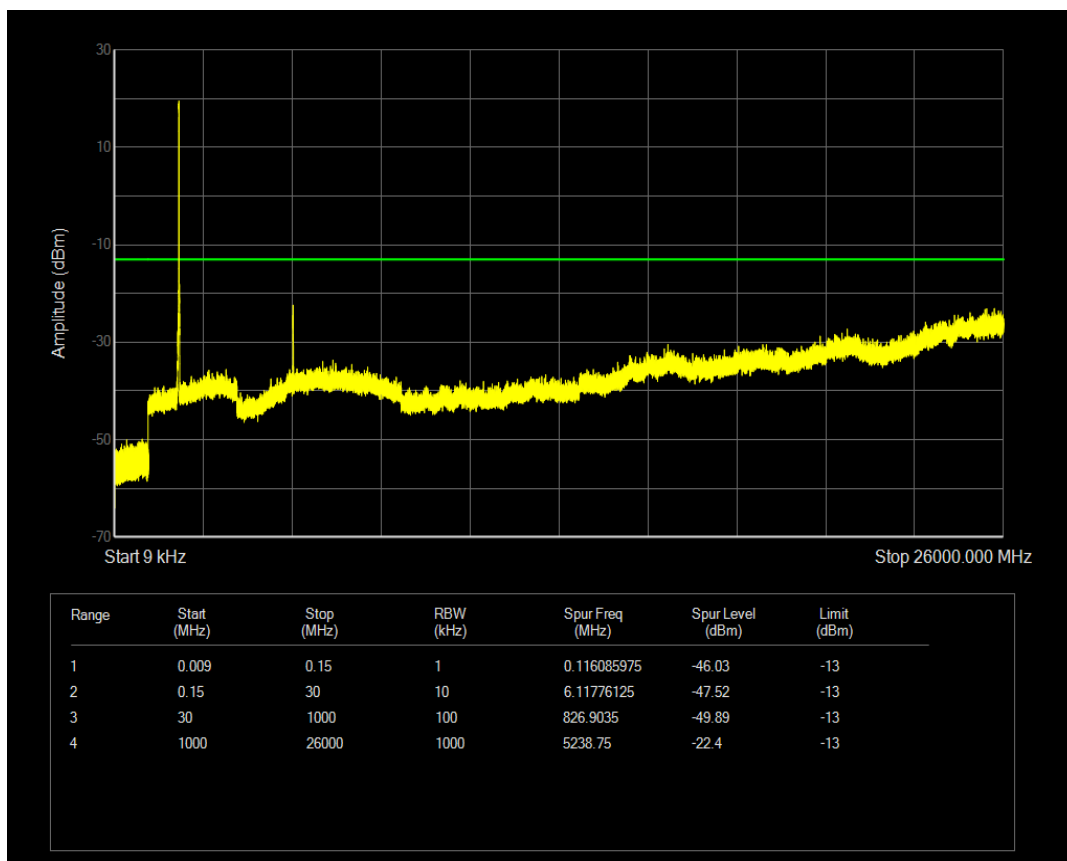




Band2 16QAM BW=15MHz Channel=18900 RB Size=75 Position=#0

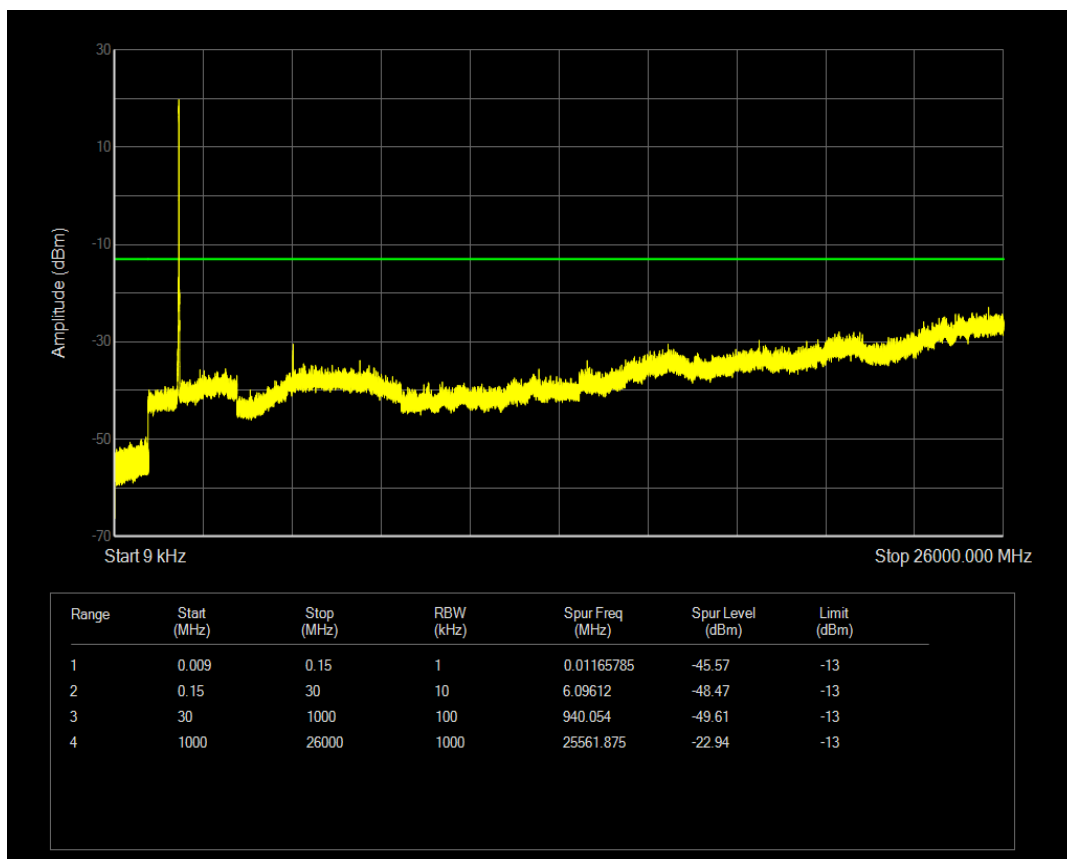


Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0

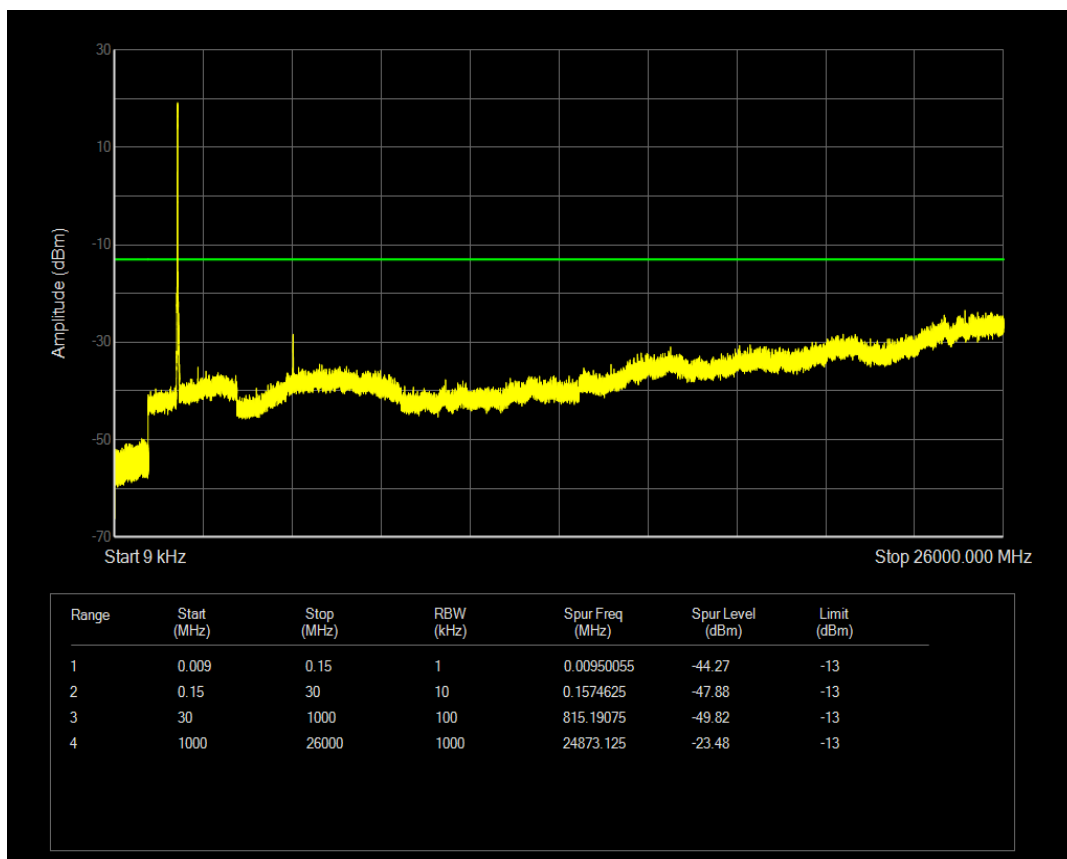




Band2 16QAM BW=15MHz Channel=19125 RB Size=75 Position=#0

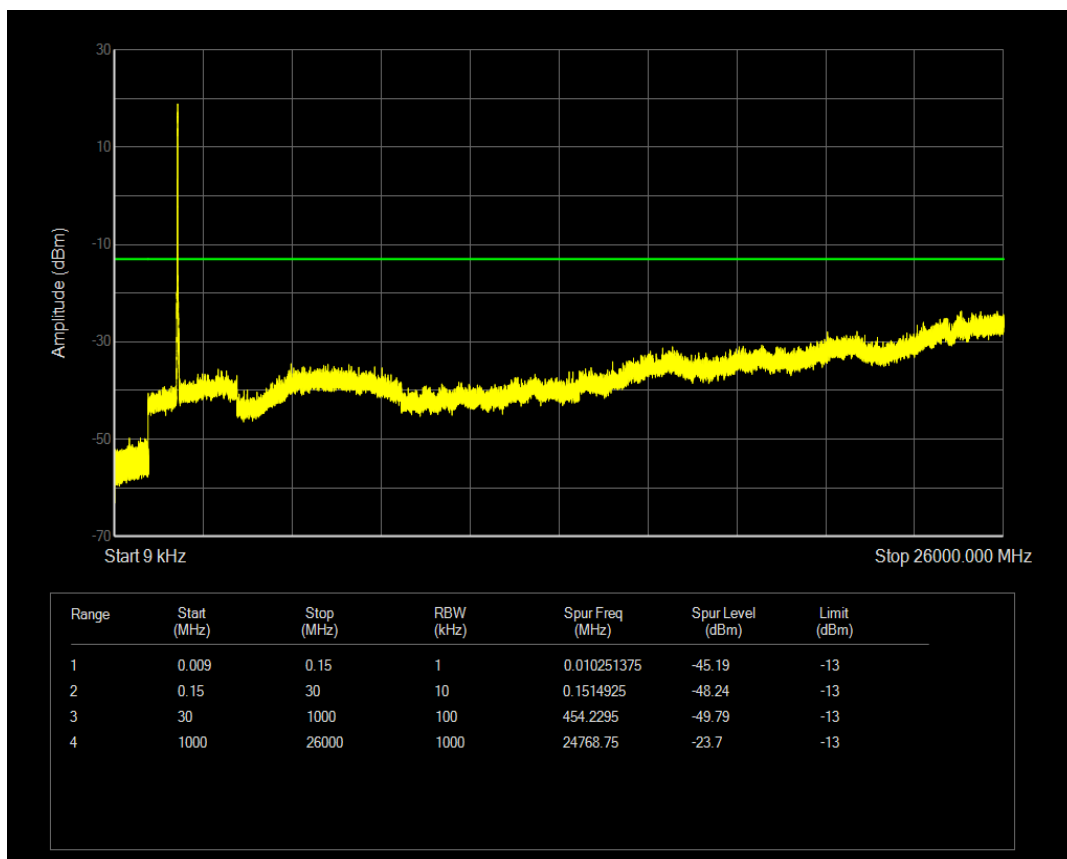


Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0

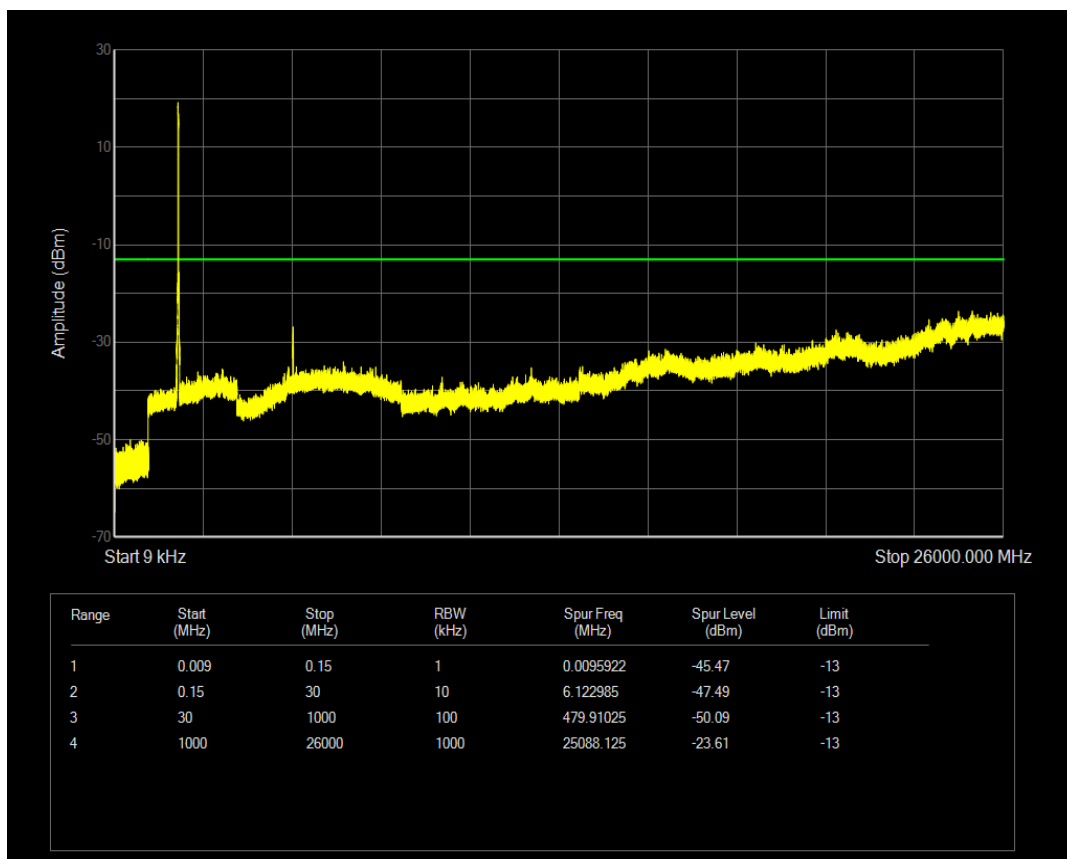




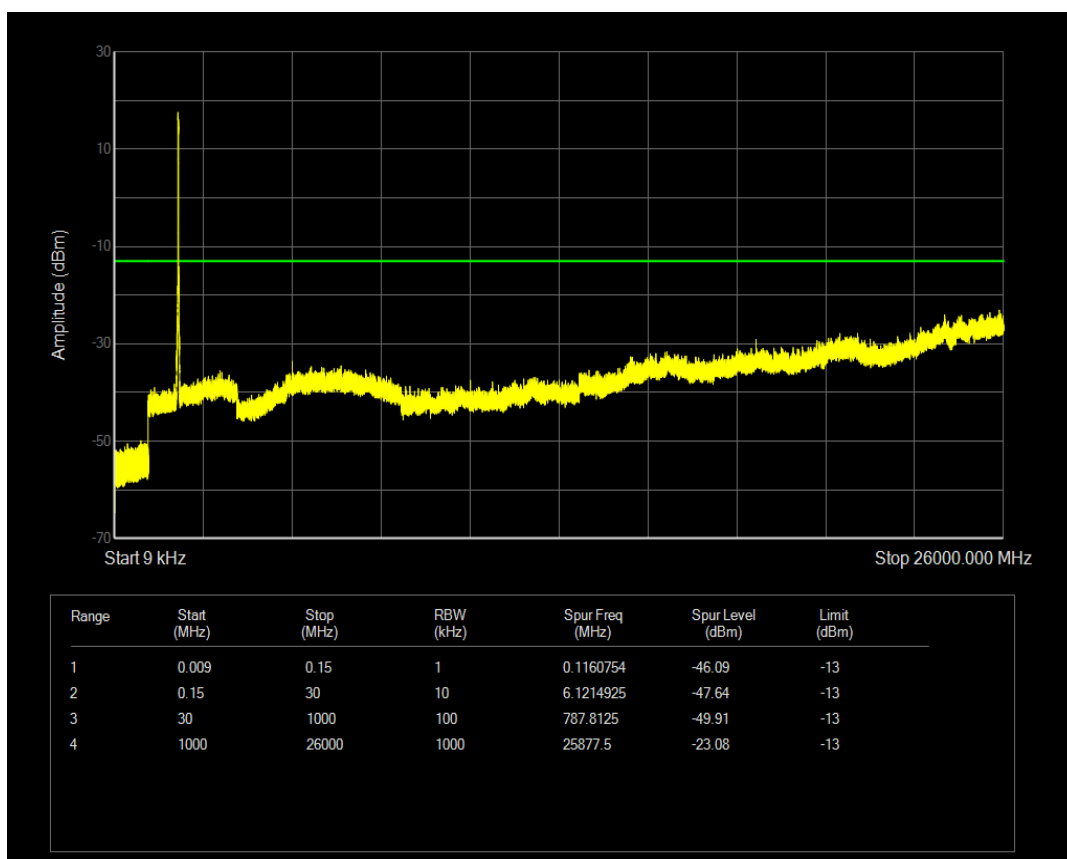
Band2 16QAM BW=20MHz Channel=18700 RB Size=100 Position=#0



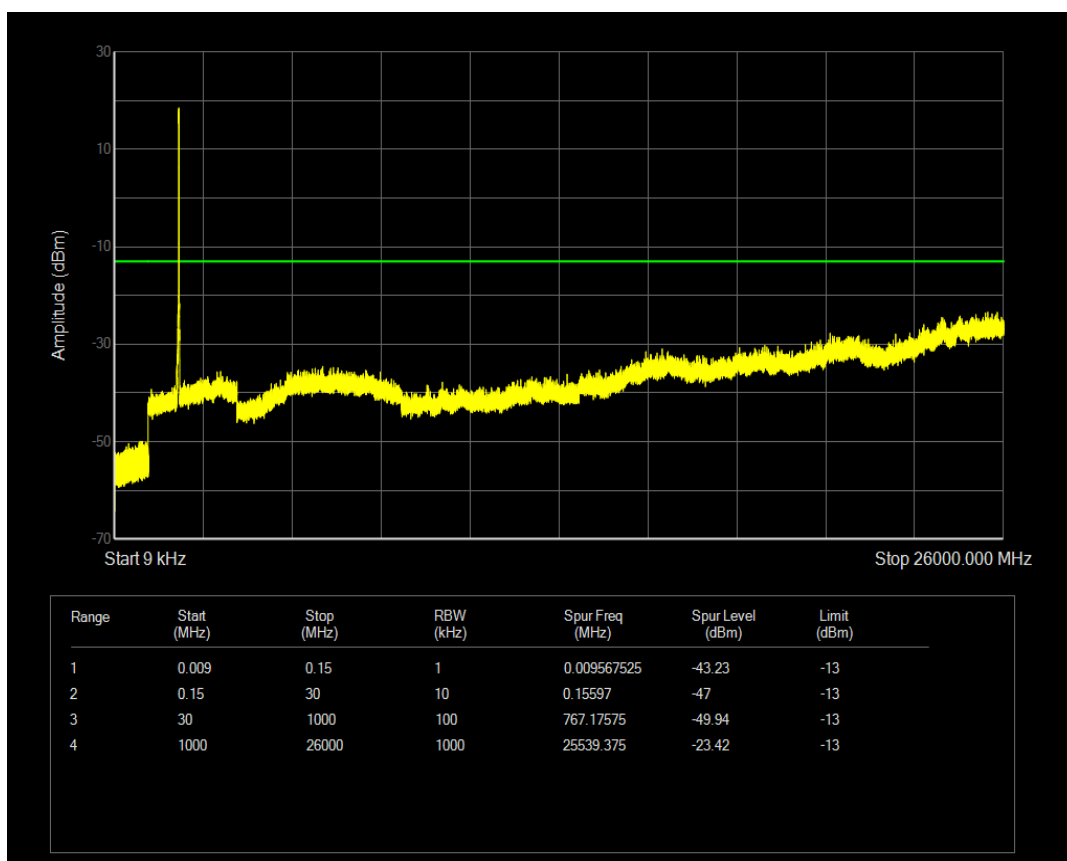
Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0



Band2 16QAM BW=20MHz Channel=18900 RB Size=100 Position=#0



Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0





Band2 16QAM BW=20MHz Channel=19100 RB Size=100 Position=#0

