

Appendix for Band 2

Report No.: BCTC2408767493-2E

Applicant: Shenzhen Minew Technologies Co., Ltd.

Product Name: Tiny LTE Cellular Gateway

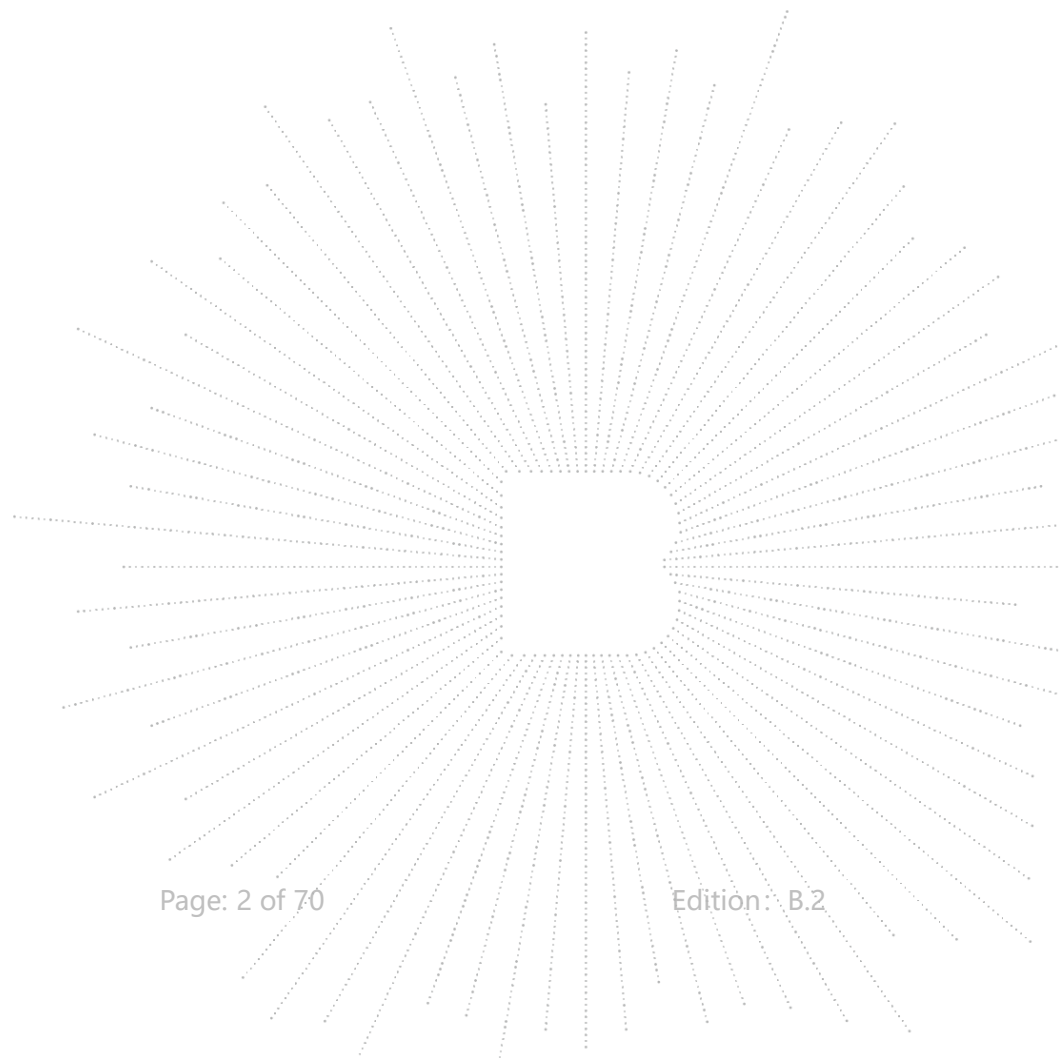
Test Model: MG8

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

Shenzhen BCTC Testing Co., Ltd.

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

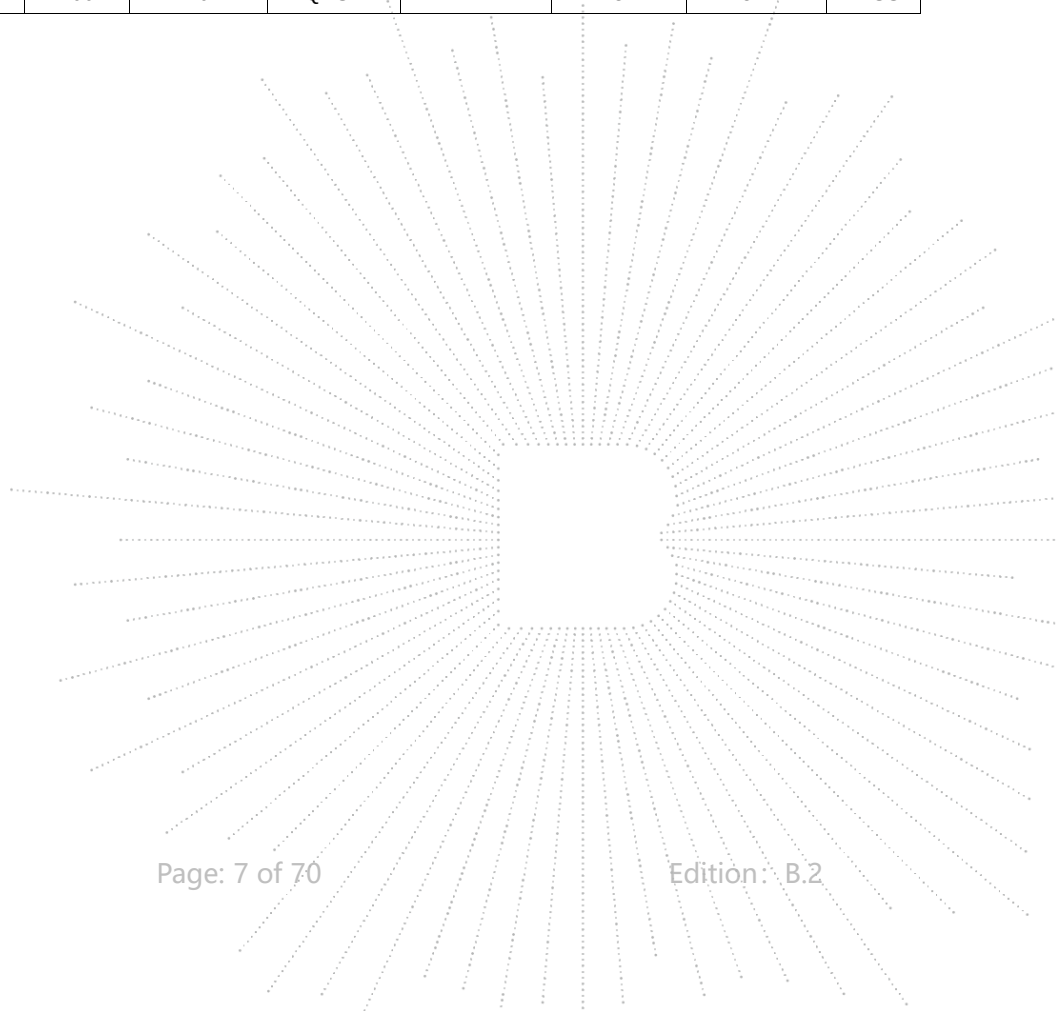
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band2	1.4	18607	1	#0	QPSK	22.16	3	25.16	PASS
Band2	1.4	18607	1	#Mid	QPSK	22.14	3	25.14	PASS
Band2	1.4	18607	1	#Max	QPSK	22.17	3	25.17	PASS
Band2	1.4	18607	3	#0	QPSK	22.03	3	25.03	PASS
Band2	1.4	18607	3	#Mid	QPSK	22.02	3	25.02	PASS
Band2	1.4	18607	3	#Max	QPSK	22.06	3	25.06	PASS
Band2	1.4	18607	6	#0	QPSK	21.14	3	24.14	PASS
Band2	1.4	18607	1	#0	16QAM	21.18	3	24.18	PASS
Band2	1.4	18607	1	#Mid	16QAM	21.21	3	24.21	PASS
Band2	1.4	18607	1	#Max	16QAM	21.22	3	24.22	PASS
Band2	1.4	18607	3	#0	16QAM	21.01	3	24.01	PASS
Band2	1.4	18607	3	#Mid	16QAM	21.14	3	24.14	PASS
Band2	1.4	18607	3	#Max	16QAM	21.14	3	24.14	PASS
Band2	1.4	18607	6	#0	16QAM	20.46	3	23.46	PASS
Band2	1.4	18900	1	#0	QPSK	21.65	3	24.65	PASS
Band2	1.4	18900	1	#Mid	QPSK	21.79	3	24.79	PASS
Band2	1.4	18900	1	#Max	QPSK	21.72	3	24.72	PASS
Band2	1.4	18900	3	#0	QPSK	21.81	3	24.81	PASS
Band2	1.4	18900	3	#Mid	QPSK	21.77	3	24.77	PASS
Band2	1.4	18900	3	#Max	QPSK	21.74	3	24.74	PASS
Band2	1.4	18900	6	#0	QPSK	20.59	3	23.59	PASS
Band2	1.4	18900	1	#0	16QAM	20.55	3	23.55	PASS
Band2	1.4	18900	1	#Mid	16QAM	20.54	3	23.54	PASS
Band2	1.4	18900	1	#Max	16QAM	20.51	3	23.51	PASS
Band2	1.4	18900	3	#0	16QAM	20.91	3	23.91	PASS
Band2	1.4	18900	3	#Mid	16QAM	21.04	3	24.04	PASS
Band2	1.4	18900	3	#Max	16QAM	21.00	3	24.00	PASS
Band2	1.4	18900	6	#0	16QAM	19.94	3	22.94	PASS
Band2	1.4	19193	1	#0	QPSK	22.02	3	25.02	PASS
Band2	1.4	19193	1	#Mid	QPSK	22.00	3	25.00	PASS
Band2	1.4	19193	1	#Max	QPSK	21.94	3	24.94	PASS
Band2	1.4	19193	3	#0	QPSK	22.01	3	25.01	PASS
Band2	1.4	19193	3	#Mid	QPSK	21.98	3	24.98	PASS
Band2	1.4	19193	3	#Max	QPSK	21.95	3	24.95	PASS
Band2	1.4	19193	6	#0	QPSK	21.00	3	24.00	PASS
Band2	1.4	19193	1	#0	16QAM	21.05	3	24.05	PASS

Band2	1.4	19193	1	#Mid	16QAM	21.07	3	24.07	PASS
Band2	1.4	19193	1	#Max	16QAM	21.03	3	24.03	PASS
Band2	1.4	19193	3	#0	16QAM	20.96	3	23.96	PASS
Band2	1.4	19193	3	#Mid	16QAM	20.95	3	23.95	PASS
Band2	1.4	19193	3	#Max	16QAM	20.94	3	23.94	PASS
Band2	1.4	19193	6	#0	16QAM	19.95	3	22.95	PASS
Band2	3	18615	1	#0	QPSK	21.67	3	24.67	PASS
Band2	3	18615	1	#Mid	QPSK	21.92	3	24.92	PASS
Band2	3	18615	1	#Max	QPSK	21.93	3	24.93	PASS
Band2	3	18615	8	#0	QPSK	20.92	3	23.92	PASS
Band2	3	18615	8	#Mid	QPSK	21.00	3	24.00	PASS
Band2	3	18615	8	#Max	QPSK	21.03	3	24.03	PASS
Band2	3	18615	15	#0	QPSK	20.92	3	23.92	PASS
Band2	3	18615	1	#0	16QAM	21.14	3	24.14	PASS
Band2	3	18615	1	#Mid	16QAM	21.40	3	24.40	PASS
Band2	3	18615	1	#Max	16QAM	21.32	3	24.32	PASS
Band2	3	18615	8	#0	16QAM	19.89	3	22.89	PASS
Band2	3	18615	8	#Mid	16QAM	20.08	3	23.08	PASS
Band2	3	18615	8	#Max	16QAM	20.12	3	23.12	PASS
Band2	3	18615	15	#0	16QAM	20.02	3	23.02	PASS
Band2	3	18900	1	#0	QPSK	21.35	3	24.35	PASS
Band2	3	18900	1	#Mid	QPSK	21.47	3	24.47	PASS
Band2	3	18900	1	#Max	QPSK	21.29	3	24.29	PASS
Band2	3	18900	8	#0	QPSK	20.42	3	23.42	PASS
Band2	3	18900	8	#Mid	QPSK	20.44	3	23.44	PASS
Band2	3	18900	8	#Max	QPSK	20.39	3	23.39	PASS
Band2	3	18900	15	#0	QPSK	20.35	3	23.35	PASS
Band2	3	18900	1	#0	16QAM	20.25	3	23.25	PASS
Band2	3	18900	1	#Mid	16QAM	20.39	3	23.39	PASS
Band2	3	18900	1	#Max	16QAM	20.21	3	23.21	PASS
Band2	3	18900	8	#0	16QAM	19.60	3	22.60	PASS
Band2	3	18900	8	#Mid	16QAM	19.77	3	22.77	PASS
Band2	3	18900	8	#Max	16QAM	19.69	3	22.69	PASS
Band2	3	18900	15	#0	16QAM	19.52	3	22.52	PASS
Band2	3	19185	1	#0	QPSK	21.60	3	24.60	PASS
Band2	3	19185	1	#Mid	QPSK	21.87	3	24.87	PASS
Band2	3	19185	1	#Max	QPSK	21.70	3	24.70	PASS
Band2	3	19185	8	#0	QPSK	20.72	3	23.72	PASS
Band2	3	19185	8	#Mid	QPSK	20.84	3	23.84	PASS
Band2	3	19185	8	#Max	QPSK	20.84	3	23.84	PASS
Band2	3	19185	15	#0	QPSK	20.88	3	23.88	PASS
Band2	3	19185	1	#0	16QAM	20.75	3	23.75	PASS
Band2	3	19185	1	#Mid	16QAM	21.01	3	24.01	PASS

Band2	3	19185	1	#Max	16QAM	20.83	3	23.83	PASS
Band2	3	19185	8	#0	16QAM	19.83	3	22.83	PASS
Band2	3	19185	8	#Mid	16QAM	19.95	3	22.95	PASS
Band2	3	19185	8	#Max	16QAM	19.92	3	22.92	PASS
Band2	3	19185	15	#0	16QAM	19.91	3	22.91	PASS
Band2	5	18625	1	#0	QPSK	21.92	3	24.92	PASS
Band2	5	18625	1	#Mid	QPSK	22.05	3	25.05	PASS
Band2	5	18625	1	#Max	QPSK	22.13	3	25.13	PASS
Band2	5	18625	12	#0	QPSK	20.92	3	23.92	PASS
Band2	5	18625	12	#Mid	QPSK	21.01	3	24.01	PASS
Band2	5	18625	12	#Max	QPSK	21.09	3	24.09	PASS
Band2	5	18625	25	#0	QPSK	20.95	3	23.95	PASS
Band2	5	18625	1	#0	16QAM	21.18	3	24.18	PASS
Band2	5	18625	1	#Mid	16QAM	21.38	3	24.38	PASS
Band2	5	18625	1	#Max	16QAM	21.48	3	24.48	PASS
Band2	5	18625	12	#0	16QAM	20.02	3	23.02	PASS
Band2	5	18625	12	#Mid	16QAM	20.18	3	23.18	PASS
Band2	5	18625	12	#Max	16QAM	20.26	3	23.26	PASS
Band2	5	18625	25	#0	16QAM	20.20	3	23.20	PASS
Band2	5	18900	1	#0	QPSK	21.44	3	24.44	PASS
Band2	5	18900	1	#Mid	QPSK	21.39	3	24.39	PASS
Band2	5	18900	1	#Max	QPSK	21.48	3	24.48	PASS
Band2	5	18900	12	#0	QPSK	20.39	3	23.39	PASS
Band2	5	18900	12	#Mid	QPSK	20.39	3	23.39	PASS
Band2	5	18900	12	#Max	QPSK	20.40	3	23.40	PASS
Band2	5	18900	25	#0	QPSK	20.37	3	23.37	PASS
Band2	5	18900	1	#0	16QAM	20.79	3	23.79	PASS
Band2	5	18900	1	#Mid	16QAM	20.78	3	23.78	PASS
Band2	5	18900	1	#Max	16QAM	20.87	3	23.87	PASS
Band2	5	18900	12	#0	16QAM	19.41	3	22.41	PASS
Band2	5	18900	12	#Mid	16QAM	19.40	3	22.40	PASS
Band2	5	18900	12	#Max	16QAM	19.43	3	22.43	PASS
Band2	5	18900	25	#0	16QAM	19.41	3	22.41	PASS
Band2	5	19175	1	#0	QPSK	21.12	3	24.12	PASS
Band2	5	19175	1	#Mid	QPSK	21.37	3	24.37	PASS
Band2	5	19175	1	#Max	QPSK	21.43	3	24.43	PASS
Band2	5	19175	12	#0	QPSK	20.45	3	23.45	PASS
Band2	5	19175	12	#Mid	QPSK	20.60	3	23.60	PASS
Band2	5	19175	12	#Max	QPSK	20.71	3	23.71	PASS
Band2	5	19175	25	#0	QPSK	20.56	3	23.56	PASS
Band2	5	19175	1	#0	16QAM	20.83	3	23.83	PASS
Band2	5	19175	1	#Mid	16QAM	21.13	3	24.13	PASS
Band2	5	19175	1	#Max	16QAM	21.20	3	24.20	PASS

Band2	5	19175	12	#0	16QAM	19.50	3	22.50	PASS
Band2	5	19175	12	#Mid	16QAM	19.66	3	22.66	PASS
Band2	5	19175	12	#Max	16QAM	19.78	3	22.78	PASS
Band2	5	19175	25	#0	16QAM	19.62	3	22.62	PASS
Band2	10	18650	1	#0	QPSK	21.75	3	24.75	PASS
Band2	10	18650	1	#Mid	QPSK	21.95	3	24.95	PASS
Band2	10	18650	1	#Max	QPSK	22.18	3	25.18	PASS
Band2	10	18650	25	#0	QPSK	20.94	3	23.94	PASS
Band2	10	18650	25	#Mid	QPSK	21.06	3	24.06	PASS
Band2	10	18650	25	#Max	QPSK	21.17	3	24.17	PASS
Band2	10	18650	50	#0	QPSK	21.03	3	24.03	PASS
Band2	10	18900	1	#0	QPSK	21.33	3	24.33	PASS
Band2	10	18900	1	#Mid	QPSK	21.15	3	24.15	PASS
Band2	10	18900	1	#Max	QPSK	21.49	3	24.49	PASS
Band2	10	18900	25	#0	QPSK	20.35	3	23.35	PASS
Band2	10	18900	25	#Mid	QPSK	20.33	3	23.33	PASS
Band2	10	18900	25	#Max	QPSK	20.43	3	23.43	PASS
Band2	10	18900	50	#0	QPSK	20.41	3	23.41	PASS
Band2	10	19150	1	#0	QPSK	21.58	3	24.58	PASS
Band2	10	19150	1	#Mid	QPSK	21.29	3	24.29	PASS
Band2	10	19150	1	#Max	QPSK	21.70	3	24.70	PASS
Band2	10	19150	25	#0	QPSK	20.16	3	23.16	PASS
Band2	10	19150	25	#Mid	QPSK	20.18	3	23.18	PASS
Band2	10	19150	25	#Max	QPSK	20.47	3	23.47	PASS
Band2	10	19150	50	#0	QPSK	20.27	3	23.27	PASS
Band2	15	18675	1	#0	QPSK	21.64	3	24.64	PASS
Band2	15	18675	1	#Mid	QPSK	22.10	3	25.10	PASS
Band2	15	18675	1	#Max	QPSK	22.10	3	25.10	PASS
Band2	15	18675	36	#0	QPSK	21.10	3	24.10	PASS
Band2	15	18675	36	#Mid	QPSK	21.27	3	24.27	PASS
Band2	15	18675	36	#Max	QPSK	21.31	3	24.31	PASS
Band2	15	18675	75	#0	QPSK	22.04	3	25.04	PASS
Band2	15	18900	1	#0	QPSK	21.47	3	24.47	PASS
Band2	15	18900	1	#Mid	QPSK	21.38	3	24.38	PASS
Band2	15	18900	1	#Max	QPSK	21.79	3	24.79	PASS
Band2	15	18900	36	#0	QPSK	20.52	3	23.52	PASS
Band2	15	18900	36	#Mid	QPSK	20.48	3	23.48	PASS
Band2	15	18900	36	#Max	QPSK	20.68	3	23.68	PASS
Band2	15	18900	75	#0	QPSK	21.61	3	24.61	PASS
Band2	15	19125	1	#0	QPSK	22.17	3	25.17	PASS
Band2	15	19125	1	#Mid	QPSK	21.51	3	24.51	PASS
Band2	15	19125	1	#Max	QPSK	21.84	3	24.84	PASS
Band2	15	19125	36	#0	QPSK	20.97	3	23.97	PASS

Band2	15	19125	36	#Mid	QPSK	20.61	3	23.61	PASS
Band2	15	19125	36	#Max	QPSK	20.62	3	23.62	PASS
Band2	15	19125	75	#0	QPSK	21.95	3	24.95	PASS
Band2	20	18700	1	#0	QPSK	22.03	3	25.03	PASS
Band2	20	18700	1	#Mid	QPSK	22.52	3	25.52	PASS
Band2	20	18700	1	#Max	QPSK	22.03	3	25.03	PASS
Band2	20	18700	50	#0	QPSK	21.44	3	24.44	PASS
Band2	20	18700	50	#Mid	QPSK	21.59	3	24.59	PASS
Band2	20	18700	50	#Max	QPSK	21.46	3	24.46	PASS
Band2	20	18700	100	#0	QPSK	21.96	3	24.96	PASS
Band2	20	18900	1	#0	QPSK	22.14	3	25.14	PASS
Band2	20	18900	1	#Mid	QPSK	21.89	3	24.89	PASS
Band2	20	18900	1	#Max	QPSK	22.38	3	25.38	PASS
Band2	20	18900	50	#0	QPSK	20.89	3	23.89	PASS
Band2	20	18900	50	#Mid	QPSK	20.80	3	23.80	PASS
Band2	20	18900	50	#Max	QPSK	21.00	3	24.00	PASS
Band2	20	18900	100	#0	QPSK	22.17	3	25.17	PASS
Band2	20	19100	1	#0	QPSK	22.60	3	25.60	PASS
Band2	20	19100	1	#Mid	QPSK	22.05	3	25.05	PASS
Band2	20	19100	1	#Max	QPSK	21.94	3	24.94	PASS
Band2	20	19100	50	#0	QPSK	21.52	3	24.52	PASS
Band2	20	19100	50	#Mid	QPSK	21.06	3	24.06	PASS
Band2	20	19100	50	#Max	QPSK	20.83	3	23.83	PASS
Band2	20	19100	100	#0	QPSK	22.21	3	25.21	PASS



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band2	1.4	18607	6	#0	QPSK	LV	NT	-6.02	-0.003	PASS
Band2	1.4	18607	6	#0	QPSK	NV	NT	-4.05	-0.002	PASS
Band2	1.4	18607	6	#0	QPSK	HV	NT	-4.66	-0.003	PASS
Band2	1.4	18607	6	#0	16QAM	LV	NT	-4.59	-0.002	PASS
Band2	1.4	18607	6	#0	16QAM	NV	NT	-4.79	-0.003	PASS
Band2	1.4	18607	6	#0	16QAM	HV	NT	-3.40	-0.002	PASS
Band2	1.4	18900	6	#0	QPSK	LV	NT	-4.11	-0.002	PASS
Band2	1.4	18900	6	#0	QPSK	NV	NT	-2.07	-0.001	PASS
Band2	1.4	18900	6	#0	QPSK	HV	NT	-5.32	-0.003	PASS
Band2	1.4	18900	6	#0	16QAM	LV	NT	-2.78	-0.001	PASS
Band2	1.4	18900	6	#0	16QAM	NV	NT	-1.26	-0.001	PASS
Band2	1.4	18900	6	#0	16QAM	HV	NT	-4.92	-0.003	PASS
Band2	1.4	19193	6	#0	QPSK	LV	NT	-2.93	-0.002	PASS
Band2	1.4	19193	6	#0	QPSK	NV	NT	-3.00	-0.002	PASS
Band2	1.4	19193	6	#0	QPSK	HV	NT	-4.51	-0.002	PASS
Band2	1.4	19193	6	#0	16QAM	LV	NT	-4.22	-0.002	PASS
Band2	1.4	19193	6	#0	16QAM	NV	NT	-4.55	-0.002	PASS
Band2	1.4	19193	6	#0	16QAM	HV	NT	-3.59	-0.002	PASS
Band2	3	18615	15	#0	QPSK	LV	NT	-2.68	-0.001	PASS
Band2	3	18615	15	#0	QPSK	NV	NT	-3.88	-0.002	PASS
Band2	3	18615	15	#0	QPSK	HV	NT	-4.19	-0.002	PASS
Band2	3	18615	15	#0	16QAM	LV	NT	-2.98	-0.002	PASS
Band2	3	18615	15	#0	16QAM	NV	NT	-2.79	-0.002	PASS
Band2	3	18615	15	#0	16QAM	HV	NT	-3.42	-0.002	PASS
Band2	3	18900	15	#0	QPSK	LV	NT	-2.70	-0.001	PASS
Band2	3	18900	15	#0	QPSK	NV	NT	-3.66	-0.002	PASS
Band2	3	18900	15	#0	QPSK	HV	NT	-2.66	-0.001	PASS
Band2	3	18900	15	#0	16QAM	LV	NT	-3.93	-0.002	PASS
Band2	3	18900	15	#0	16QAM	NV	NT	-3.20	-0.002	PASS
Band2	3	18900	15	#0	16QAM	HV	NT	-2.86	-0.002	PASS
Band2	3	19185	15	#0	QPSK	LV	NT	-5.16	-0.003	PASS
Band2	3	19185	15	#0	QPSK	NV	NT	-3.13	-0.002	PASS
Band2	3	19185	15	#0	QPSK	HV	NT	-3.88	-0.002	PASS
Band2	3	19185	15	#0	16QAM	LV	NT	-3.50	-0.002	PASS
Band2	3	19185	15	#0	16QAM	NV	NT	-4.85	-0.003	PASS
Band2	3	19185	15	#0	16QAM	HV	NT	-3.72	-0.002	PASS
Band2	5	18625	25	#0	QPSK	LV	NT	-3.89	-0.002	PASS
Band2	5	18625	25	#0	QPSK	NV	NT	-4.05	-0.002	PASS

Band2	5	18625	25	#0	QPSK	HV	NT	-4.62	-0.002	PASS
Band2	5	18625	25	#0	16QAM	LV	NT	-4.56	-0.002	PASS
Band2	5	18625	25	#0	16QAM	NV	NT	-3.85	-0.002	PASS
Band2	5	18625	25	#0	16QAM	HV	NT	-3.76	-0.002	PASS
Band2	5	18900	25	#0	QPSK	LV	NT	-2.50	-0.001	PASS
Band2	5	18900	25	#0	QPSK	NV	NT	-2.29	-0.001	PASS
Band2	5	18900	25	#0	QPSK	HV	NT	-0.96	-0.001	PASS
Band2	5	18900	25	#0	16QAM	LV	NT	-2.68	-0.001	PASS
Band2	5	18900	25	#0	16QAM	NV	NT	-2.76	-0.001	PASS
Band2	5	18900	25	#0	16QAM	HV	NT	-2.03	-0.001	PASS
Band2	5	19175	25	#0	QPSK	LV	NT	-4.32	-0.002	PASS
Band2	5	19175	25	#0	QPSK	NV	NT	-4.86	-0.003	PASS
Band2	5	19175	25	#0	QPSK	HV	NT	-3.45	-0.002	PASS
Band2	5	19175	25	#0	16QAM	LV	NT	-5.21	-0.003	PASS
Band2	5	19175	25	#0	16QAM	NV	NT	-3.72	-0.002	PASS
Band2	5	19175	25	#0	16QAM	HV	NT	-3.72	-0.002	PASS
Band2	10	18650	50	#0	QPSK	LV	NT	-2.47	-0.001	PASS
Band2	10	18650	50	#0	QPSK	NV	NT	-1.77	-0.001	PASS
Band2	10	18650	50	#0	QPSK	HV	NT	-3.52	-0.002	PASS
Band2	10	18900	50	#0	QPSK	LV	NT	-2.40	-0.001	PASS
Band2	10	18900	50	#0	QPSK	NV	NT	-2.59	-0.001	PASS
Band2	10	18900	50	#0	QPSK	HV	NT	-2.93	-0.002	PASS
Band2	10	19150	50	#0	QPSK	LV	NT	-3.19	-0.002	PASS
Band2	10	19150	50	#0	QPSK	NV	NT	-2.55	-0.001	PASS
Band2	10	19150	50	#0	QPSK	HV	NT	-2.79	-0.001	PASS
Band2	15	18675	75	#0	QPSK	LV	NT	-2.96	-0.002	PASS
Band2	15	18675	75	#0	QPSK	NV	NT	-2.25	-0.001	PASS
Band2	15	18675	75	#0	QPSK	HV	NT	-3.79	-0.002	PASS
Band2	15	18900	75	#0	QPSK	LV	NT	-0.64	0.000	PASS
Band2	15	18900	75	#0	QPSK	NV	NT	-0.66	0.000	PASS
Band2	15	18900	75	#0	QPSK	HV	NT	-2.10	-0.001	PASS
Band2	15	19125	75	#0	QPSK	LV	NT	-2.43	-0.001	PASS
Band2	15	19125	75	#0	QPSK	NV	NT	-2.57	-0.001	PASS
Band2	15	19125	75	#0	QPSK	HV	NT	-2.30	-0.001	PASS
Band2	20	18700	100	#0	QPSK	LV	NT	-2.90	-0.002	PASS
Band2	20	18700	100	#0	QPSK	NV	NT	-2.76	-0.001	PASS
Band2	20	18700	100	#0	QPSK	HV	NT	-2.45	-0.001	PASS
Band2	20	18900	100	#0	QPSK	LV	NT	-2.00	-0.001	PASS
Band2	20	18900	100	#0	QPSK	NV	NT	-2.83	-0.002	PASS
Band2	20	18900	100	#0	QPSK	HV	NT	-2.40	-0.001	PASS
Band2	20	19100	100	#0	QPSK	LV	NT	-2.47	-0.001	PASS
Band2	20	19100	100	#0	QPSK	NV	NT	-1.27	-0.001	PASS
Band2	20	19100	100	#0	QPSK	HV	NT	-2.86	-0.002	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band2	1.4	18607	6	#0	QPSK	NV	-30	-0.89	0.000	PASS
Band2	1.4	18607	6	#0	QPSK	NV	-20	0.07	0.000	PASS
Band2	1.4	18607	6	#0	QPSK	NV	-10	1.27	0.001	PASS
Band2	1.4	18607	6	#0	QPSK	NV	0	1.63	0.001	PASS
Band2	1.4	18607	6	#0	QPSK	NV	10	-0.20	0.000	PASS
Band2	1.4	18607	6	#0	QPSK	NV	20	0.39	0.000	PASS
Band2	1.4	18607	6	#0	QPSK	NV	30	1.69	0.001	PASS
Band2	1.4	18607	6	#0	QPSK	NV	40	-0.29	0.000	PASS
Band2	1.4	18607	6	#0	QPSK	NV	50	-0.11	0.000	PASS
Band2	1.4	18607	6	#0	16QAM	NV	-30	1.12	0.001	PASS
Band2	1.4	18607	6	#0	16QAM	NV	-20	0.93	0.001	PASS
Band2	1.4	18607	6	#0	16QAM	NV	-10	-0.10	0.000	PASS
Band2	1.4	18607	6	#0	16QAM	NV	0	-1.53	-0.001	PASS
Band2	1.4	18607	6	#0	16QAM	NV	10	-0.77	0.000	PASS
Band2	1.4	18607	6	#0	16QAM	NV	20	1.00	0.001	PASS
Band2	1.4	18607	6	#0	16QAM	NV	30	0.01	0.000	PASS
Band2	1.4	18607	6	#0	16QAM	NV	40	3.22	0.002	PASS
Band2	1.4	18607	6	#0	16QAM	NV	50	0.14	0.000	PASS
Band2	1.4	18900	6	#0	QPSK	NV	-30	0.62	0.000	PASS
Band2	1.4	18900	6	#0	QPSK	NV	-20	0.66	0.000	PASS
Band2	1.4	18900	6	#0	QPSK	NV	-10	1.26	0.001	PASS
Band2	1.4	18900	6	#0	QPSK	NV	0	1.67	0.001	PASS
Band2	1.4	18900	6	#0	QPSK	NV	10	0.50	0.000	PASS
Band2	1.4	18900	6	#0	QPSK	NV	20	0.23	0.000	PASS
Band2	1.4	18900	6	#0	QPSK	NV	30	1.26	0.001	PASS
Band2	1.4	18900	6	#0	QPSK	NV	40	0.69	0.000	PASS
Band2	1.4	18900	6	#0	QPSK	NV	50	0.34	0.000	PASS
Band2	1.4	18900	6	#0	16QAM	NV	-30	0.47	0.000	PASS
Band2	1.4	18900	6	#0	16QAM	NV	-20	1.46	0.001	PASS
Band2	1.4	18900	6	#0	16QAM	NV	-10	0.97	0.001	PASS
Band2	1.4	18900	6	#0	16QAM	NV	0	-0.23	0.000	PASS
Band2	1.4	18900	6	#0	16QAM	NV	10	1.99	0.001	PASS
Band2	1.4	18900	6	#0	16QAM	NV	20	1.10	0.001	PASS
Band2	1.4	18900	6	#0	16QAM	NV	30	0.23	0.000	PASS
Band2	1.4	18900	6	#0	16QAM	NV	40	0.87	0.000	PASS
Band2	1.4	18900	6	#0	16QAM	NV	50	0.24	0.000	PASS
Band2	1.4	19193	6	#0	QPSK	NV	-30	-0.87	0.000	PASS
Band2	1.4	19193	6	#0	QPSK	NV	-20	-1.86	-0.001	PASS
Band2	1.4	19193	6	#0	QPSK	NV	-10	-0.97	-0.001	PASS
Band2	1.4	19193	6	#0	QPSK	NV	0	-0.47	0.000	PASS

Band2	1.4	19193	6	#0	QPSK	NV	10	0.17	0.000	PASS
Band2	1.4	19193	6	#0	QPSK	NV	20	-0.40	0.000	PASS
Band2	1.4	19193	6	#0	QPSK	NV	30	-1.97	-0.001	PASS
Band2	1.4	19193	6	#0	QPSK	NV	40	0.67	0.000	PASS
Band2	1.4	19193	6	#0	QPSK	NV	50	-1.60	-0.001	PASS
Band2	1.4	19193	6	#0	16QAM	NV	-30	1.04	0.001	PASS
Band2	1.4	19193	6	#0	16QAM	NV	-20	0.34	0.000	PASS
Band2	1.4	19193	6	#0	16QAM	NV	-10	0.19	0.000	PASS
Band2	1.4	19193	6	#0	16QAM	NV	0	0.94	0.000	PASS
Band2	1.4	19193	6	#0	16QAM	NV	10	0.86	0.000	PASS
Band2	1.4	19193	6	#0	16QAM	NV	20	1.33	0.001	PASS
Band2	1.4	19193	6	#0	16QAM	NV	30	1.63	0.001	PASS
Band2	1.4	19193	6	#0	16QAM	NV	40	0.54	0.000	PASS
Band2	1.4	19193	6	#0	16QAM	NV	50	0.60	0.000	PASS
Band2	3	18615	15	#0	QPSK	NV	-30	-0.30	0.000	PASS
Band2	3	18615	15	#0	QPSK	NV	-20	-0.17	0.000	PASS
Band2	3	18615	15	#0	QPSK	NV	-10	1.12	0.001	PASS
Band2	3	18615	15	#0	QPSK	NV	0	0.97	0.001	PASS
Band2	3	18615	15	#0	QPSK	NV	10	0.26	0.000	PASS
Band2	3	18615	15	#0	QPSK	NV	20	1.22	0.001	PASS
Band2	3	18615	15	#0	QPSK	NV	30	-1.02	-0.001	PASS
Band2	3	18615	15	#0	QPSK	NV	40	1.40	0.001	PASS
Band2	3	18615	15	#0	QPSK	NV	50	0.53	0.000	PASS
Band2	3	18615	15	#0	16QAM	NV	-30	-0.01	0.000	PASS
Band2	3	18615	15	#0	16QAM	NV	-20	-0.09	0.000	PASS
Band2	3	18615	15	#0	16QAM	NV	-10	-0.10	0.000	PASS
Band2	3	18615	15	#0	16QAM	NV	0	-0.09	0.000	PASS
Band2	3	18615	15	#0	16QAM	NV	10	1.53	0.001	PASS
Band2	3	18615	15	#0	16QAM	NV	20	0.01	0.000	PASS
Band2	3	18615	15	#0	16QAM	NV	30	0.20	0.000	PASS
Band2	3	18615	15	#0	16QAM	NV	40	0.44	0.000	PASS
Band2	3	18615	15	#0	16QAM	NV	50	1.56	0.001	PASS
Band2	3	18900	15	#0	QPSK	NV	-30	0.39	0.000	PASS
Band2	3	18900	15	#0	QPSK	NV	-20	0.64	0.000	PASS
Band2	3	18900	15	#0	QPSK	NV	-10	0.99	0.001	PASS
Band2	3	18900	15	#0	QPSK	NV	0	1.02	0.001	PASS
Band2	3	18900	15	#0	QPSK	NV	10	1.39	0.001	PASS
Band2	3	18900	15	#0	QPSK	NV	20	0.92	0.000	PASS
Band2	3	18900	15	#0	QPSK	NV	30	1.19	0.001	PASS
Band2	3	18900	15	#0	QPSK	NV	40	0.79	0.000	PASS
Band2	3	18900	15	#0	QPSK	NV	50	1.37	0.001	PASS
Band2	3	18900	15	#0	16QAM	NV	-30	0.10	0.000	PASS
Band2	3	18900	15	#0	16QAM	NV	-20	0.87	0.000	PASS

Band2	3	18900	15	#0	16QAM	NV	-10	0.77	0.000	PASS
Band2	3	18900	15	#0	16QAM	NV	0	0.03	0.000	PASS
Band2	3	18900	15	#0	16QAM	NV	10	-0.62	0.000	PASS
Band2	3	18900	15	#0	16QAM	NV	20	-0.69	0.000	PASS
Band2	3	18900	15	#0	16QAM	NV	30	0.54	0.000	PASS
Band2	3	18900	15	#0	16QAM	NV	40	0.39	0.000	PASS
Band2	3	18900	15	#0	16QAM	NV	50	-0.27	0.000	PASS
Band2	3	19185	15	#0	QPSK	NV	-30	-1.32	-0.001	PASS
Band2	3	19185	15	#0	QPSK	NV	-20	-0.54	0.000	PASS
Band2	3	19185	15	#0	QPSK	NV	-10	-1.29	-0.001	PASS
Band2	3	19185	15	#0	QPSK	NV	0	-0.73	0.000	PASS
Band2	3	19185	15	#0	QPSK	NV	10	0.90	0.000	PASS
Band2	3	19185	15	#0	QPSK	NV	20	0.53	0.000	PASS
Band2	3	19185	15	#0	QPSK	NV	30	-0.89	0.000	PASS
Band2	3	19185	15	#0	QPSK	NV	40	0.72	0.000	PASS
Band2	3	19185	15	#0	QPSK	NV	50	-0.54	0.000	PASS
Band2	3	19185	15	#0	16QAM	NV	-30	-0.26	0.000	PASS
Band2	3	19185	15	#0	16QAM	NV	-20	-1.47	-0.001	PASS
Band2	3	19185	15	#0	16QAM	NV	-10	0.90	0.000	PASS
Band2	3	19185	15	#0	16QAM	NV	0	-0.79	0.000	PASS
Band2	3	19185	15	#0	16QAM	NV	10	0.03	0.000	PASS
Band2	3	19185	15	#0	16QAM	NV	20	0.31	0.000	PASS
Band2	3	19185	15	#0	16QAM	NV	30	1.00	0.001	PASS
Band2	3	19185	15	#0	16QAM	NV	40	-0.20	0.000	PASS
Band2	3	19185	15	#0	16QAM	NV	50	0.66	0.000	PASS
Band2	5	18625	25	#0	QPSK	NV	-30	-1.60	-0.001	PASS
Band2	5	18625	25	#0	QPSK	NV	-20	0.17	0.000	PASS
Band2	5	18625	25	#0	QPSK	NV	-10	0.20	0.000	PASS
Band2	5	18625	25	#0	QPSK	NV	0	-0.06	0.000	PASS
Band2	5	18625	25	#0	QPSK	NV	10	0.16	0.000	PASS
Band2	5	18625	25	#0	QPSK	NV	20	-1.75	-0.001	PASS
Band2	5	18625	25	#0	QPSK	NV	30	0.82	0.000	PASS
Band2	5	18625	25	#0	QPSK	NV	40	-0.67	0.000	PASS
Band2	5	18625	25	#0	QPSK	NV	50	-0.47	0.000	PASS
Band2	5	18625	25	#0	16QAM	NV	-30	-0.33	0.000	PASS
Band2	5	18625	25	#0	16QAM	NV	-20	0.36	0.000	PASS
Band2	5	18625	25	#0	16QAM	NV	-10	-1.02	-0.001	PASS
Band2	5	18625	25	#0	16QAM	NV	0	-0.97	-0.001	PASS
Band2	5	18625	25	#0	16QAM	NV	10	-1.50	-0.001	PASS
Band2	5	18625	25	#0	16QAM	NV	20	-1.03	-0.001	PASS
Band2	5	18625	25	#0	16QAM	NV	30	-0.20	0.000	PASS
Band2	5	18625	25	#0	16QAM	NV	40	0.72	0.000	PASS
Band2	5	18625	25	#0	16QAM	NV	50	-1.44	-0.001	PASS

Band2	5	18900	25	#0	QPSK	NV	-30	-0.19	0.000	PASS
Band2	5	18900	25	#0	QPSK	NV	-20	-0.01	0.000	PASS
Band2	5	18900	25	#0	QPSK	NV	-10	0.60	0.000	PASS
Band2	5	18900	25	#0	QPSK	NV	0	0.54	0.000	PASS
Band2	5	18900	25	#0	QPSK	NV	10	1.16	0.001	PASS
Band2	5	18900	25	#0	QPSK	NV	20	1.37	0.001	PASS
Band2	5	18900	25	#0	QPSK	NV	30	-0.23	0.000	PASS
Band2	5	18900	25	#0	QPSK	NV	40	1.19	0.001	PASS
Band2	5	18900	25	#0	QPSK	NV	50	-0.16	0.000	PASS
Band2	5	18900	25	#0	16QAM	NV	-30	1.79	0.001	PASS
Band2	5	18900	25	#0	16QAM	NV	-20	-0.40	0.000	PASS
Band2	5	18900	25	#0	16QAM	NV	-10	0.76	0.000	PASS
Band2	5	18900	25	#0	16QAM	NV	0	1.13	0.001	PASS
Band2	5	18900	25	#0	16QAM	NV	10	0.80	0.000	PASS
Band2	5	18900	25	#0	16QAM	NV	20	0.47	0.000	PASS
Band2	5	18900	25	#0	16QAM	NV	30	0.06	0.000	PASS
Band2	5	18900	25	#0	16QAM	NV	40	0.62	0.000	PASS
Band2	5	18900	25	#0	16QAM	NV	50	1.40	0.001	PASS
Band2	5	19175	25	#0	QPSK	NV	-30	-0.63	0.000	PASS
Band2	5	19175	25	#0	QPSK	NV	-20	-1.67	-0.001	PASS
Band2	5	19175	25	#0	QPSK	NV	-10	-0.53	0.000	PASS
Band2	5	19175	25	#0	QPSK	NV	0	-0.04	0.000	PASS
Band2	5	19175	25	#0	QPSK	NV	10	-0.84	0.000	PASS
Band2	5	19175	25	#0	QPSK	NV	20	-0.82	0.000	PASS
Band2	5	19175	25	#0	QPSK	NV	30	-0.76	0.000	PASS
Band2	5	19175	25	#0	QPSK	NV	40	0.03	0.000	PASS
Band2	5	19175	25	#0	QPSK	NV	50	-0.44	0.000	PASS
Band2	5	19175	25	#0	16QAM	NV	-30	-0.56	0.000	PASS
Band2	5	19175	25	#0	16QAM	NV	-20	-0.33	0.000	PASS
Band2	5	19175	25	#0	16QAM	NV	-10	-1.69	-0.001	PASS
Band2	5	19175	25	#0	16QAM	NV	0	-0.16	0.000	PASS
Band2	5	19175	25	#0	16QAM	NV	10	-1.14	-0.001	PASS
Band2	5	19175	25	#0	16QAM	NV	20	0.27	0.000	PASS
Band2	5	19175	25	#0	16QAM	NV	30	-1.10	-0.001	PASS
Band2	5	19175	25	#0	16QAM	NV	40	-1.20	-0.001	PASS
Band2	5	19175	25	#0	16QAM	NV	50	0.26	0.000	PASS
Band2	10	18650	50	#0	QPSK	NV	-30	-1.26	-0.001	PASS
Band2	10	18650	50	#0	QPSK	NV	-20	1.26	0.001	PASS
Band2	10	18650	50	#0	QPSK	NV	-10	1.72	0.001	PASS
Band2	10	18650	50	#0	QPSK	NV	0	0.26	0.000	PASS
Band2	10	18650	50	#0	QPSK	NV	10	0.04	0.000	PASS
Band2	10	18650	50	#0	QPSK	NV	20	-0.49	0.000	PASS
Band2	10	18650	50	#0	QPSK	NV	30	1.54	0.001	PASS

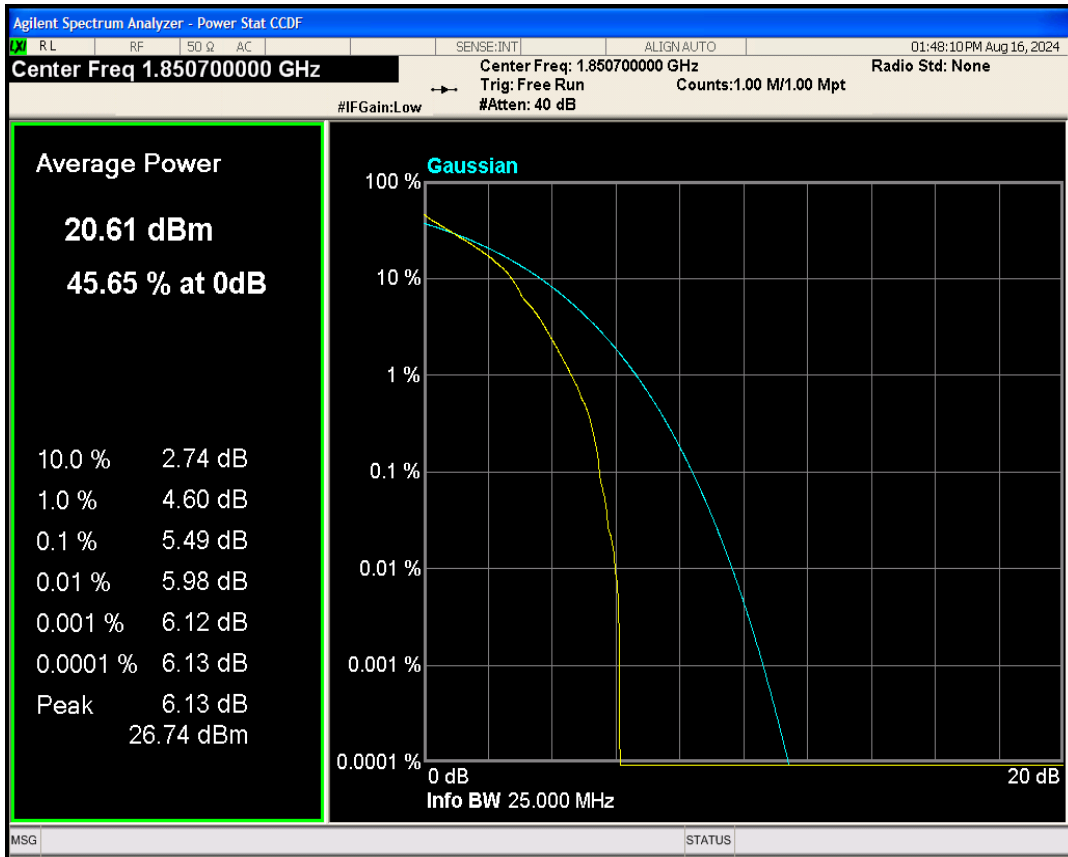
Band2	10	18650	50	#0	QPSK	NV	40	-0.27	0.000	PASS
Band2	10	18650	50	#0	QPSK	NV	50	1.49	0.001	PASS
Band2	10	18900	50	#0	QPSK	NV	-30	0.24	0.000	PASS
Band2	10	18900	50	#0	QPSK	NV	-20	0.83	0.000	PASS
Band2	10	18900	50	#0	QPSK	NV	-10	1.59	0.001	PASS
Band2	10	18900	50	#0	QPSK	NV	0	0.00	0.000	PASS
Band2	10	18900	50	#0	QPSK	NV	10	1.27	0.001	PASS
Band2	10	18900	50	#0	QPSK	NV	20	1.56	0.001	PASS
Band2	10	18900	50	#0	QPSK	NV	30	0.56	0.000	PASS
Band2	10	18900	50	#0	QPSK	NV	40	-0.50	0.000	PASS
Band2	10	18900	50	#0	QPSK	NV	50	0.57	0.000	PASS
Band2	10	19150	50	#0	QPSK	NV	-30	-0.39	0.000	PASS
Band2	10	19150	50	#0	QPSK	NV	-20	0.11	0.000	PASS
Band2	10	19150	50	#0	QPSK	NV	-10	0.66	0.000	PASS
Band2	10	19150	50	#0	QPSK	NV	0	1.32	0.001	PASS
Band2	10	19150	50	#0	QPSK	NV	10	0.24	0.000	PASS
Band2	10	19150	50	#0	QPSK	NV	20	0.17	0.000	PASS
Band2	10	19150	50	#0	QPSK	NV	30	0.47	0.000	PASS
Band2	10	19150	50	#0	QPSK	NV	40	1.46	0.001	PASS
Band2	10	19150	50	#0	QPSK	NV	50	0.96	0.001	PASS
Band2	15	18675	75	#0	QPSK	NV	-30	-0.44	0.000	PASS
Band2	15	18675	75	#0	QPSK	NV	-20	0.09	0.000	PASS
Band2	15	18675	75	#0	QPSK	NV	-10	-0.06	0.000	PASS
Band2	15	18675	75	#0	QPSK	NV	0	-0.54	0.000	PASS
Band2	15	18675	75	#0	QPSK	NV	10	-1.04	-0.001	PASS
Band2	15	18675	75	#0	QPSK	NV	20	0.11	0.000	PASS
Band2	15	18675	75	#0	QPSK	NV	30	0.26	0.000	PASS
Band2	15	18675	75	#0	QPSK	NV	40	-0.76	0.000	PASS
Band2	15	18675	75	#0	QPSK	NV	50	0.36	0.000	PASS
Band2	15	18900	75	#0	QPSK	NV	-30	0.11	0.000	PASS
Band2	15	18900	75	#0	QPSK	NV	-20	0.31	0.000	PASS
Band2	15	18900	75	#0	QPSK	NV	-10	0.39	0.000	PASS
Band2	15	18900	75	#0	QPSK	NV	0	1.59	0.001	PASS
Band2	15	18900	75	#0	QPSK	NV	10	0.17	0.000	PASS
Band2	15	18900	75	#0	QPSK	NV	20	-0.07	0.000	PASS
Band2	15	18900	75	#0	QPSK	NV	30	0.97	0.001	PASS
Band2	15	18900	75	#0	QPSK	NV	40	0.10	0.000	PASS
Band2	15	18900	75	#0	QPSK	NV	50	1.50	0.001	PASS
Band2	15	19125	75	#0	QPSK	NV	-30	-0.63	0.000	PASS
Band2	15	19125	75	#0	QPSK	NV	-20	1.63	0.001	PASS
Band2	15	19125	75	#0	QPSK	NV	-10	-0.47	0.000	PASS
Band2	15	19125	75	#0	QPSK	NV	0	-0.79	0.000	PASS
Band2	15	19125	75	#0	QPSK	NV	10	-1.46	-0.001	PASS

Band2	15	19125	75	#0	QPSK	NV	20	0.72	0.000	PASS
Band2	15	19125	75	#0	QPSK	NV	30	-1.49	-0.001	PASS
Band2	15	19125	75	#0	QPSK	NV	40	-0.83	0.000	PASS
Band2	15	19125	75	#0	QPSK	NV	50	0.41	0.000	PASS
Band2	20	18700	100	#0	QPSK	NV	-30	-0.59	0.000	PASS
Band2	20	18700	100	#0	QPSK	NV	-20	-0.03	0.000	PASS
Band2	20	18700	100	#0	QPSK	NV	-10	0.00	0.000	PASS
Band2	20	18700	100	#0	QPSK	NV	0	0.54	0.000	PASS
Band2	20	18700	100	#0	QPSK	NV	10	-0.63	0.000	PASS
Band2	20	18700	100	#0	QPSK	NV	20	-3.33	-0.002	PASS
Band2	20	18700	100	#0	QPSK	NV	30	0.84	0.000	PASS
Band2	20	18700	100	#0	QPSK	NV	40	0.33	0.000	PASS
Band2	20	18700	100	#0	QPSK	NV	50	-0.06	0.000	PASS
Band2	20	18900	100	#0	QPSK	NV	-30	-0.76	0.000	PASS
Band2	20	18900	100	#0	QPSK	NV	-20	1.00	0.001	PASS
Band2	20	18900	100	#0	QPSK	NV	-10	1.34	0.001	PASS
Band2	20	18900	100	#0	QPSK	NV	0	0.01	0.000	PASS
Band2	20	18900	100	#0	QPSK	NV	10	-0.79	0.000	PASS
Band2	20	18900	100	#0	QPSK	NV	20	1.09	0.001	PASS
Band2	20	18900	100	#0	QPSK	NV	30	0.80	0.000	PASS
Band2	20	18900	100	#0	QPSK	NV	40	2.59	0.001	PASS
Band2	20	18900	100	#0	QPSK	NV	50	-0.64	0.000	PASS
Band2	20	19100	100	#0	QPSK	NV	-30	0.44	0.000	PASS
Band2	20	19100	100	#0	QPSK	NV	-20	0.17	0.000	PASS
Band2	20	19100	100	#0	QPSK	NV	-10	-0.94	0.000	PASS
Band2	20	19100	100	#0	QPSK	NV	0	0.40	0.000	PASS
Band2	20	19100	100	#0	QPSK	NV	10	1.16	0.001	PASS
Band2	20	19100	100	#0	QPSK	NV	20	0.82	0.000	PASS
Band2	20	19100	100	#0	QPSK	NV	30	0.41	0.000	PASS
Band2	20	19100	100	#0	QPSK	NV	40	0.51	0.000	PASS
Band2	20	19100	100	#0	QPSK	NV	50	0.51	0.000	PASS

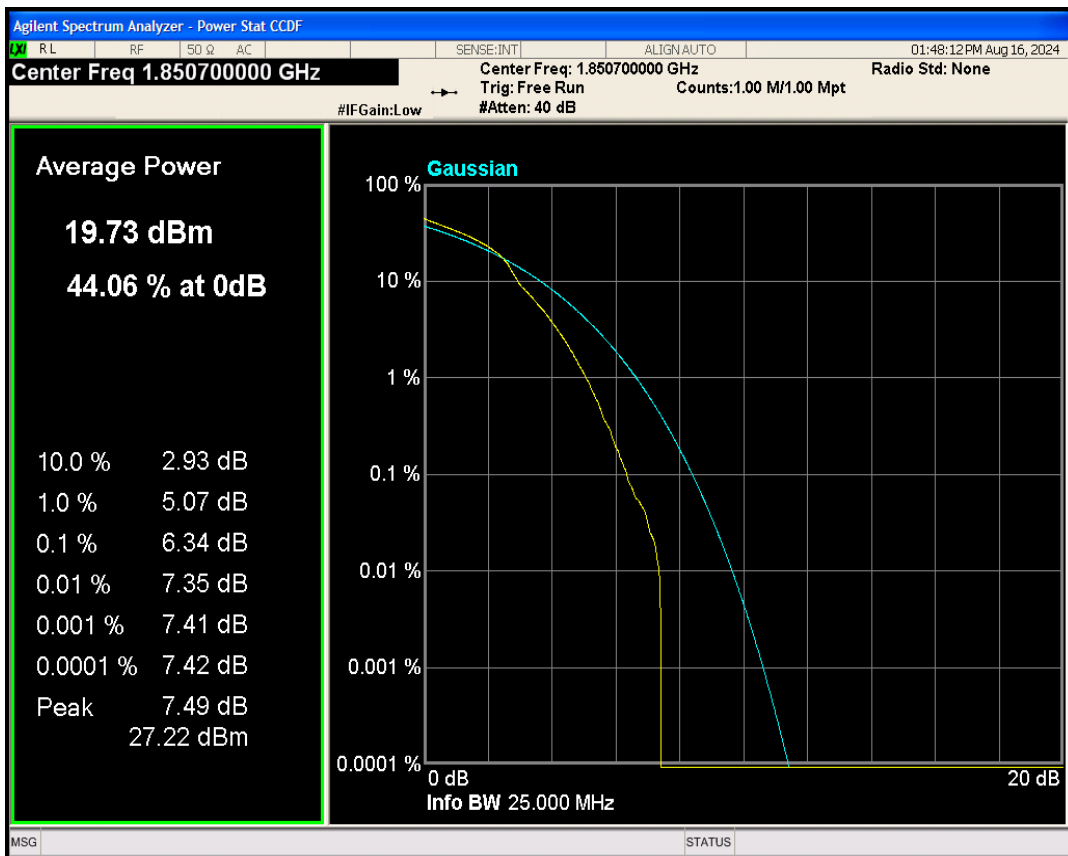
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band2	1.4	18607	1	#0	QPSK	5.49	13	PASS
Band2	1.4	18607	1	#0	16QAM	6.34	13	PASS
Band2	1.4	18900	1	#0	QPSK	5.70	13	PASS
Band2	1.4	18900	1	#0	16QAM	5.99	13	PASS
Band2	1.4	19193	1	#0	QPSK	5.12	13	PASS
Band2	1.4	19193	1	#0	16QAM	5.55	13	PASS
Band2	3	18615	1	#0	QPSK	5.33	13	PASS
Band2	3	18615	1	#0	16QAM	6.63	13	PASS
Band2	3	18900	1	#0	QPSK	5.54	13	PASS
Band2	3	18900	1	#0	16QAM	6.01	13	PASS
Band2	3	19185	1	#0	QPSK	5.31	13	PASS
Band2	3	19185	1	#0	16QAM	5.86	13	PASS
Band2	5	18625	1	#0	QPSK	5.32	13	PASS
Band2	5	18625	1	#0	16QAM	6.21	13	PASS
Band2	5	18900	1	#0	QPSK	5.57	13	PASS
Band2	5	18900	1	#0	16QAM	6.31	13	PASS
Band2	5	19175	1	#0	QPSK	5.37	13	PASS
Band2	5	19175	1	#0	16QAM	5.78	13	PASS
Band2	10	18650	1	#0	QPSK	5.28	13	PASS
Band2	10	18900	1	#0	QPSK	5.61	13	PASS
Band2	10	19150	1	#0	QPSK	5.48	13	PASS
Band2	15	18675	1	#0	QPSK	5.50	13	PASS
Band2	15	18900	1	#0	QPSK	5.64	13	PASS
Band2	15	19125	1	#0	QPSK	4.64	13	PASS
Band2	20	18700	1	#0	QPSK	5.49	13	PASS
Band2	20	18900	1	#0	QPSK	5.59	13	PASS
Band2	20	19100	1	#0	QPSK	4.19	13	PASS

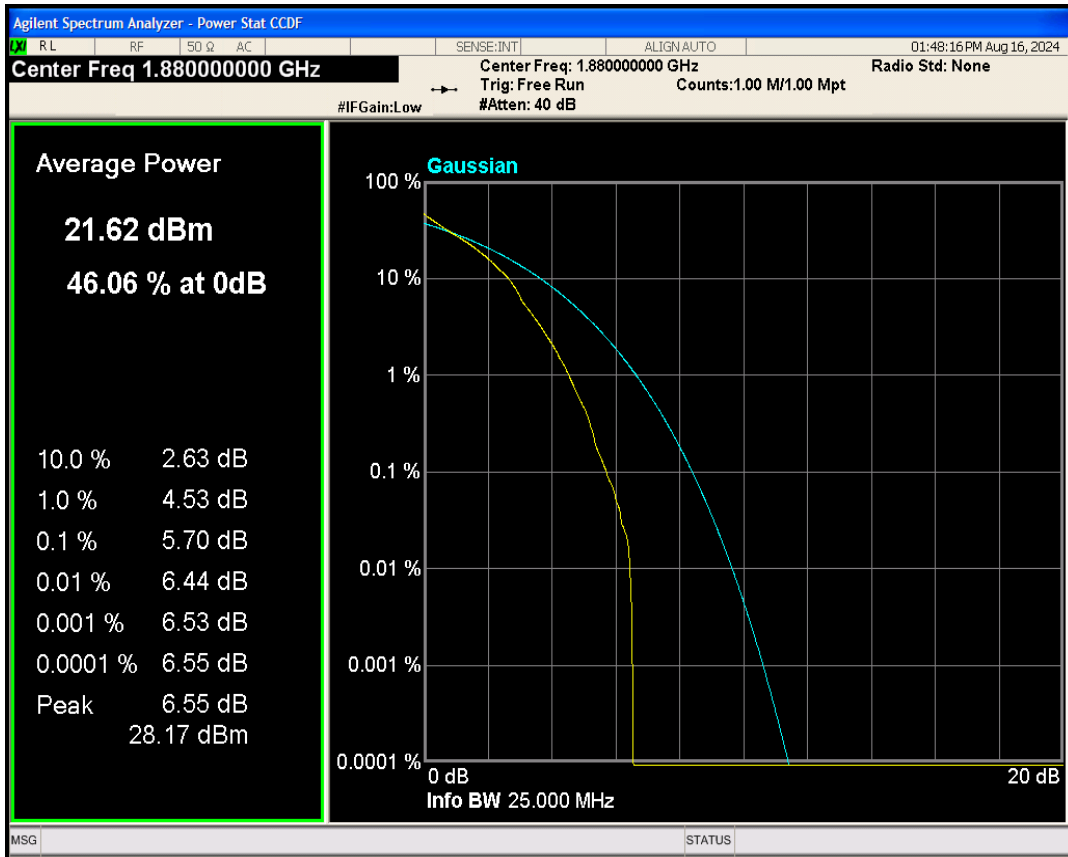
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=1 Position=#0



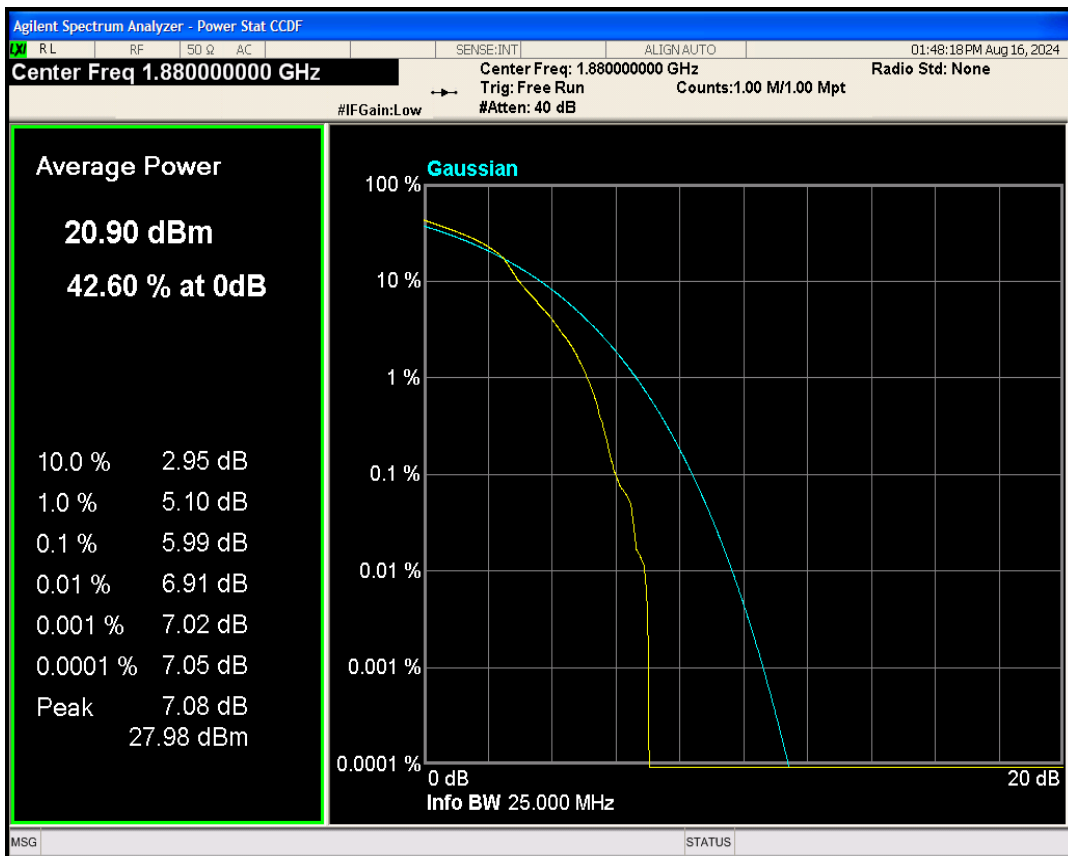
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=1 Position=#0



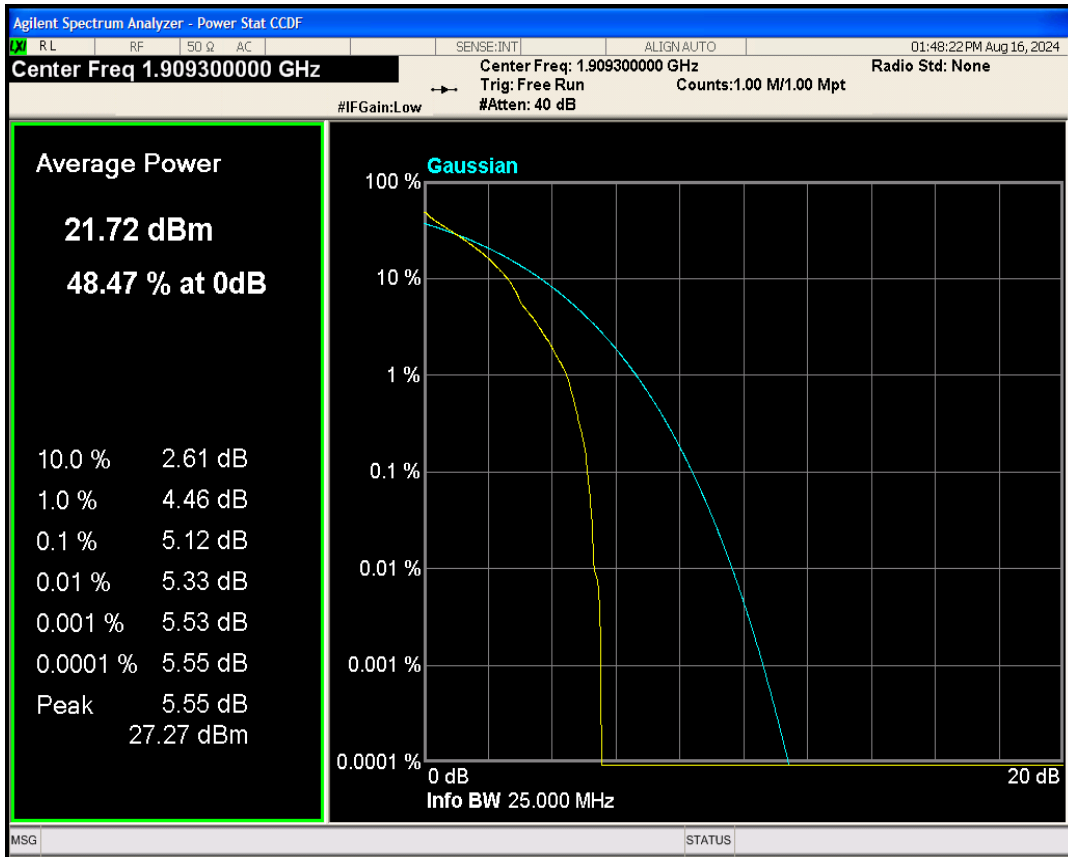
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=1 Position=#0



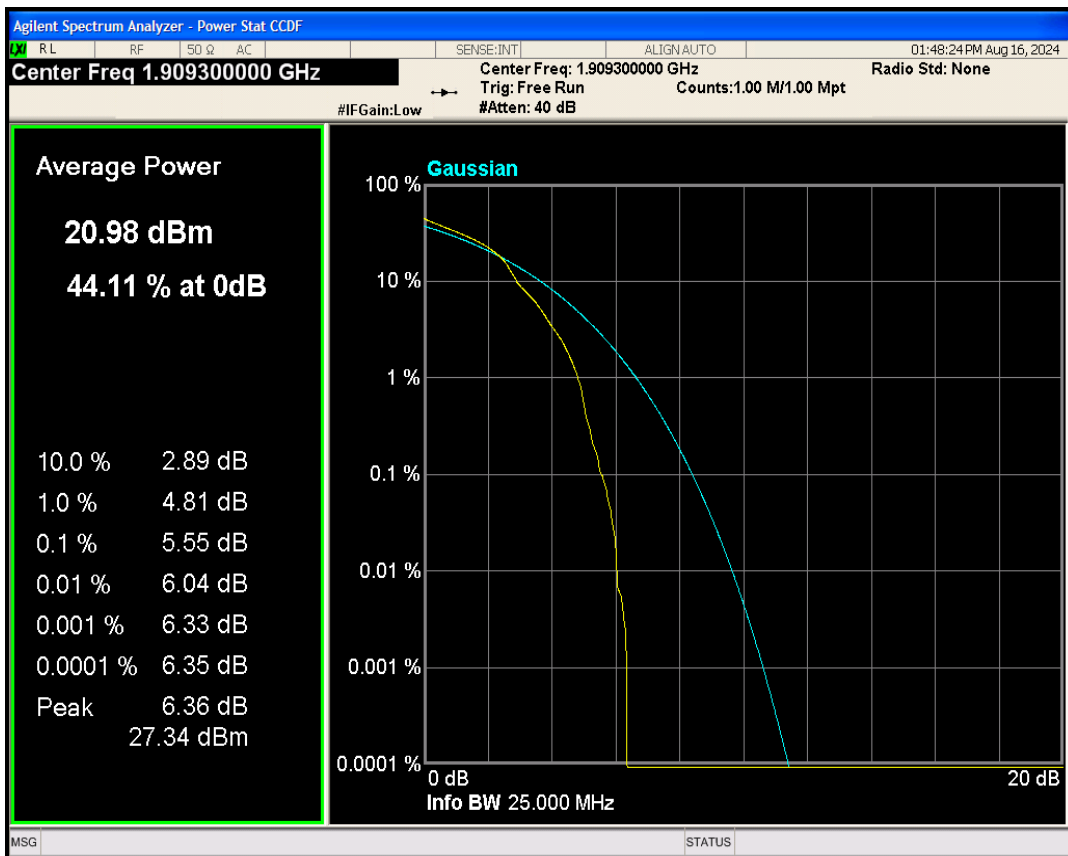
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=1 Position=#0



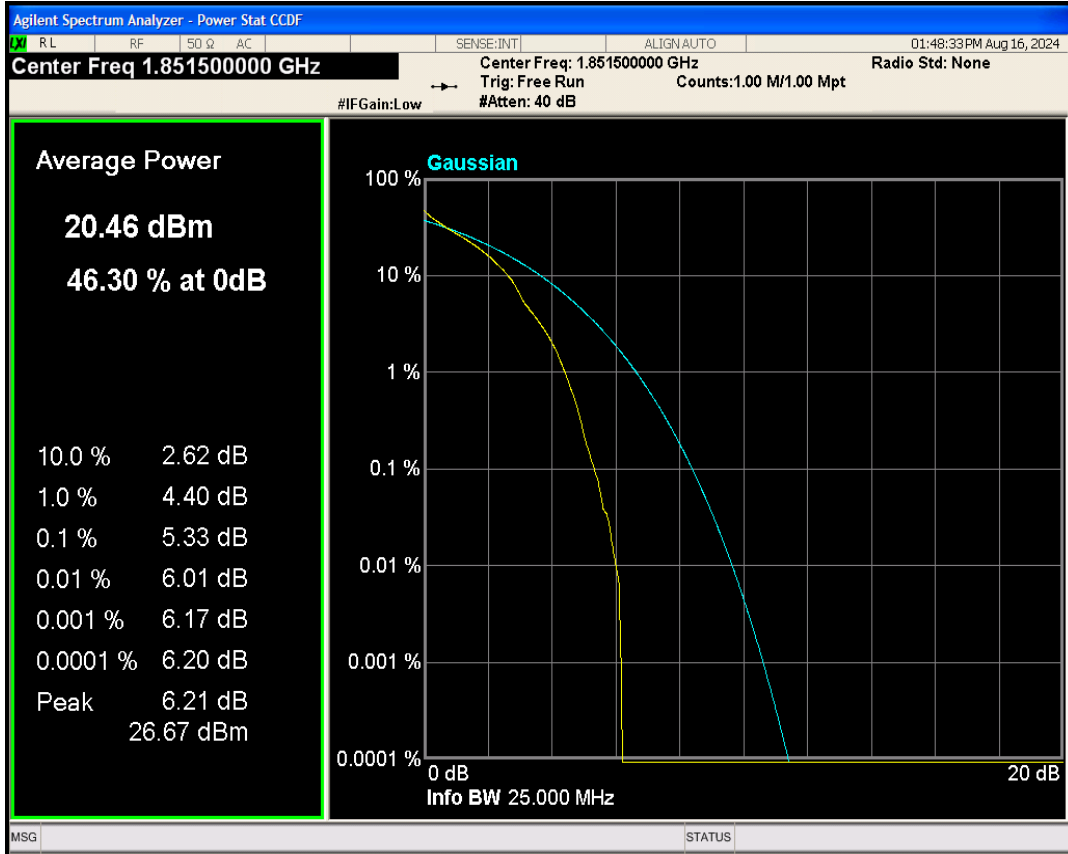
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=1 Position=#0



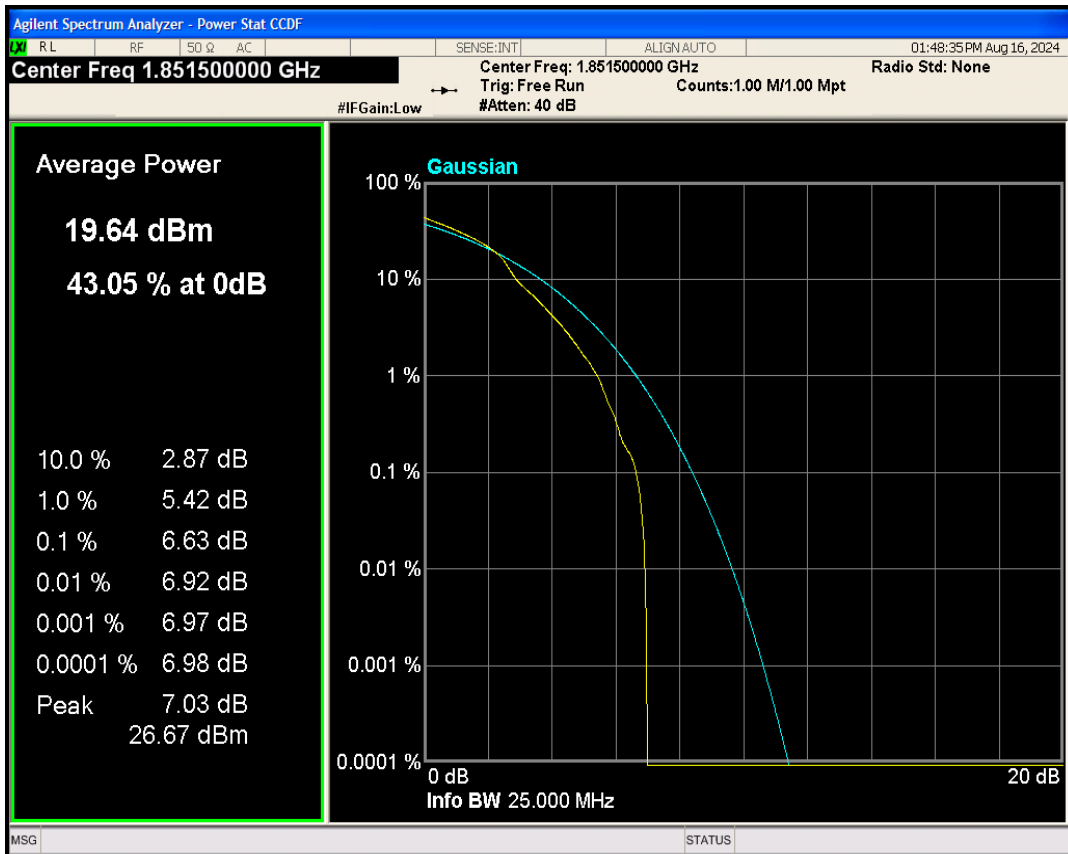
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=1 Position=#0



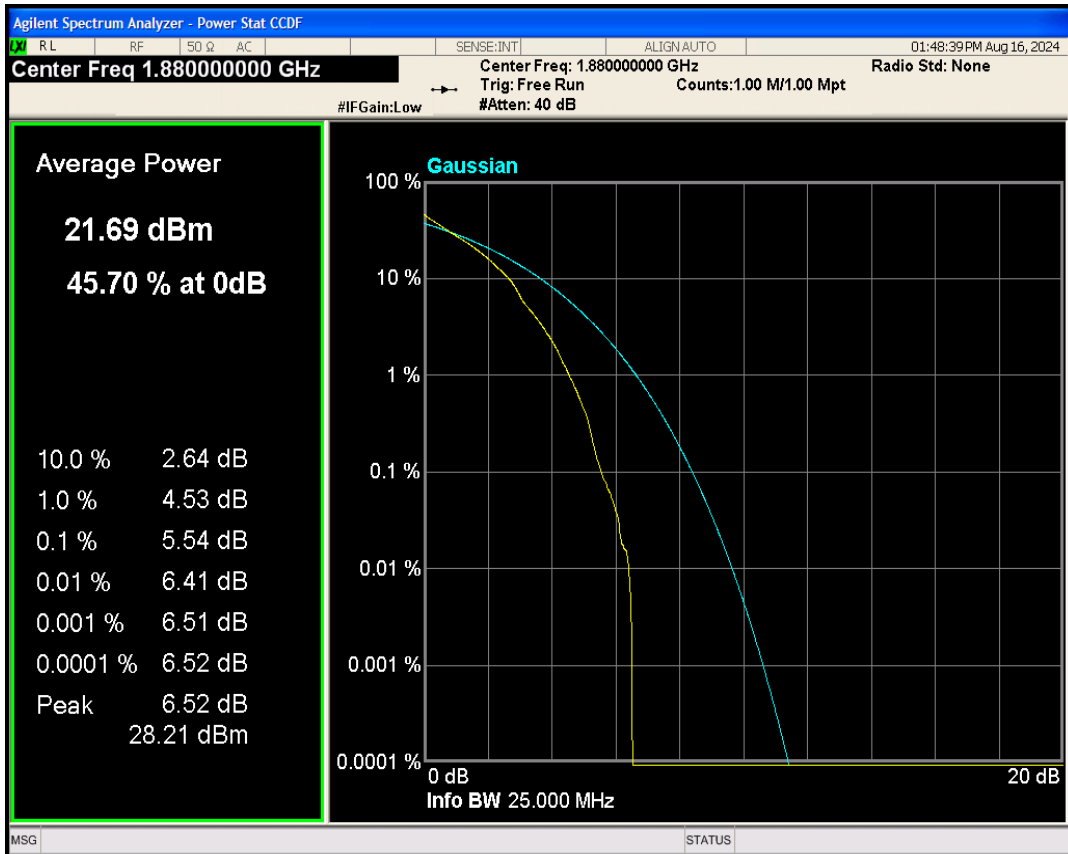
Band2 QPSK BW=3MHz Channel=18615 RB Size=1 Position=#0



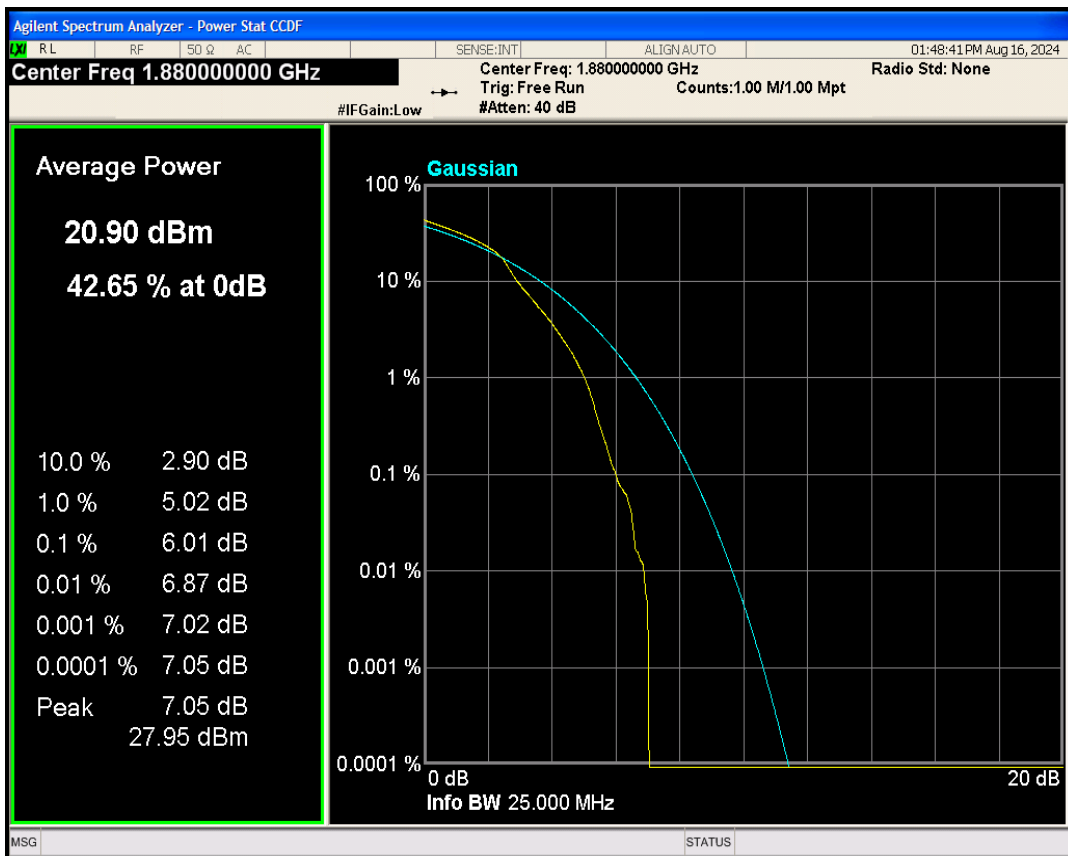
Band2 16QAM BW=3MHz Channel=18615 RB Size=1 Position=#0



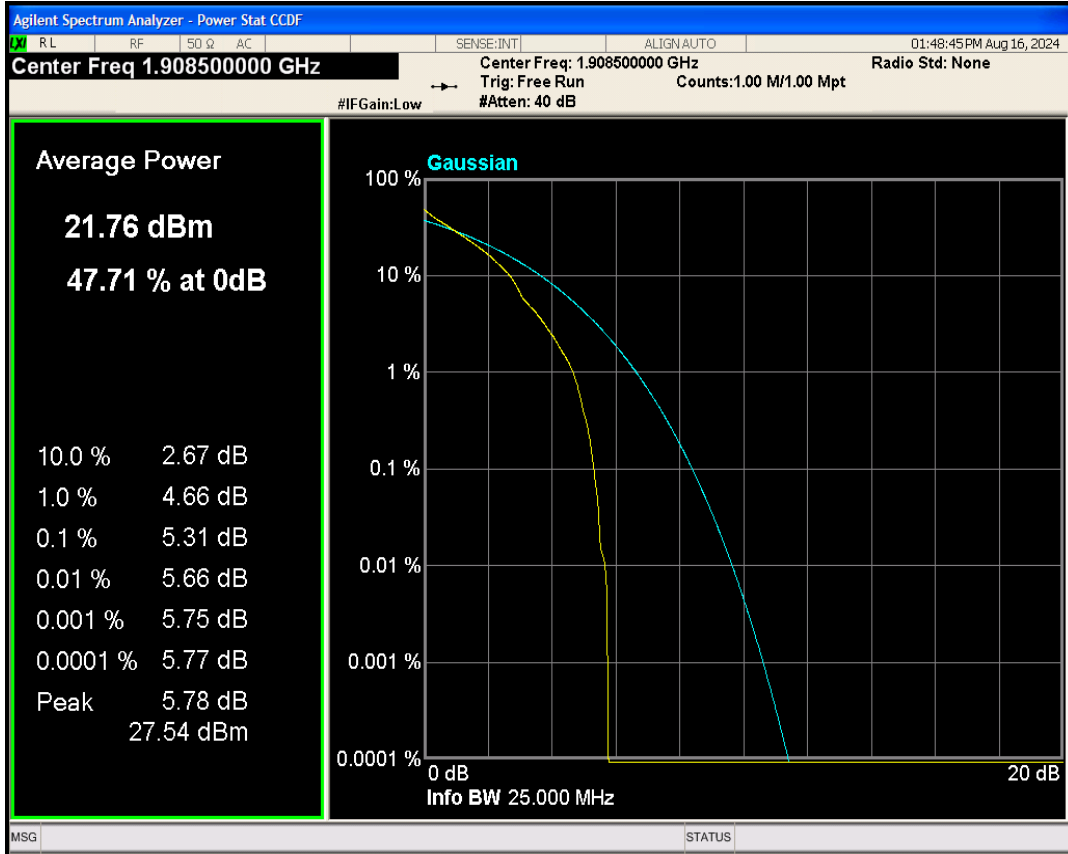
Band2 QPSK BW=3MHz Channel=18900 RB Size=1 Position=#0



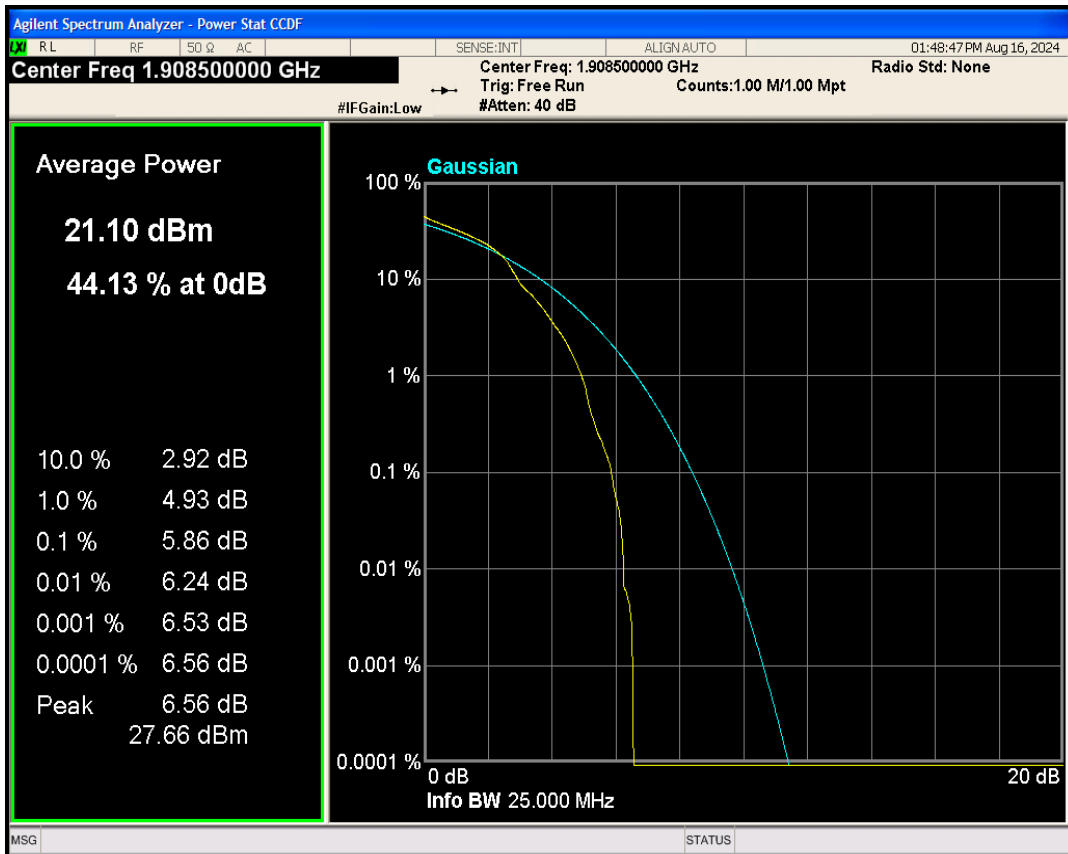
Band2 16QAM BW=3MHz Channel=18900 RB Size=1 Position=#0



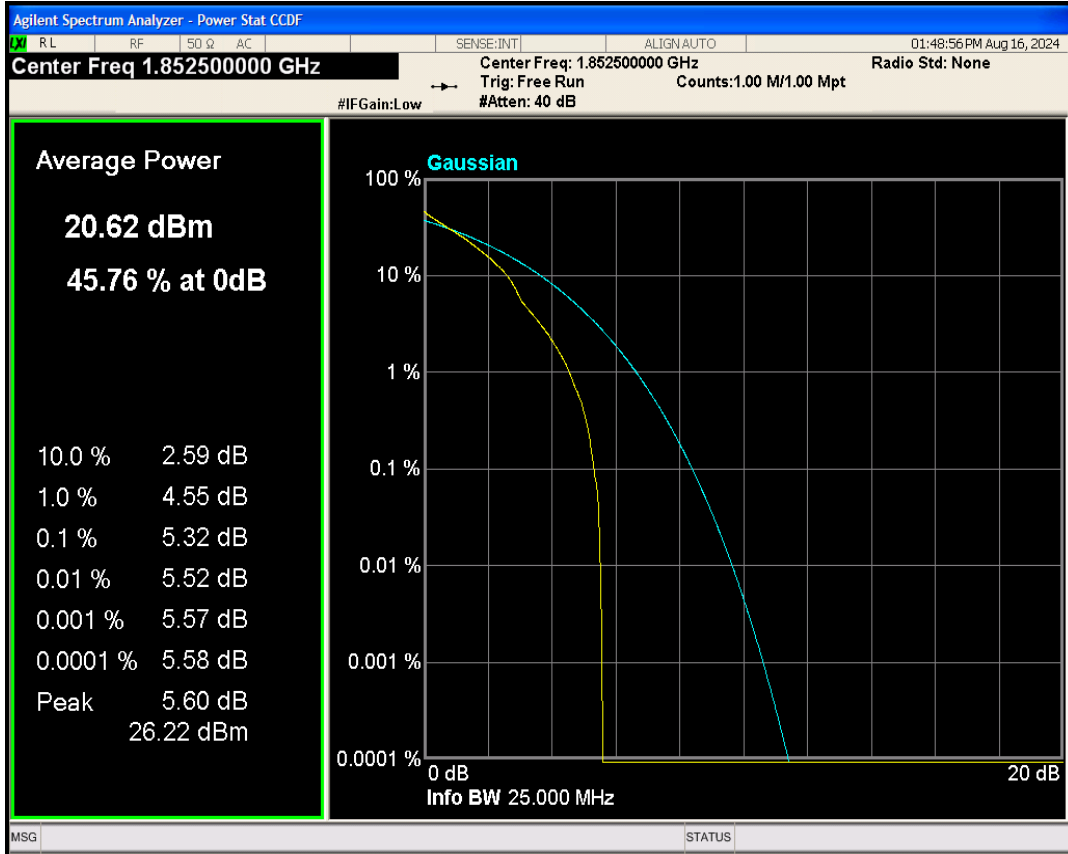
Band2 QPSK BW=3MHz Channel=19185 RB Size=1 Position=#0



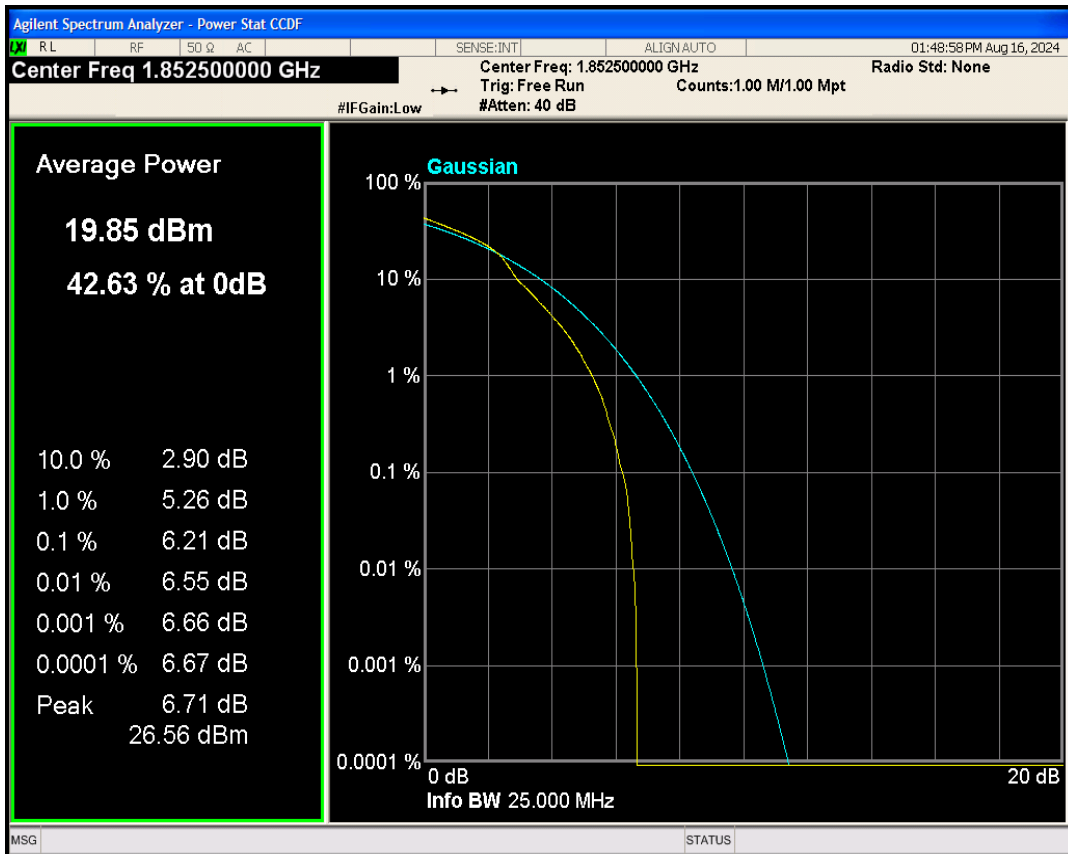
Band2 16QAM BW=3MHz Channel=19185 RB Size=1 Position=#0



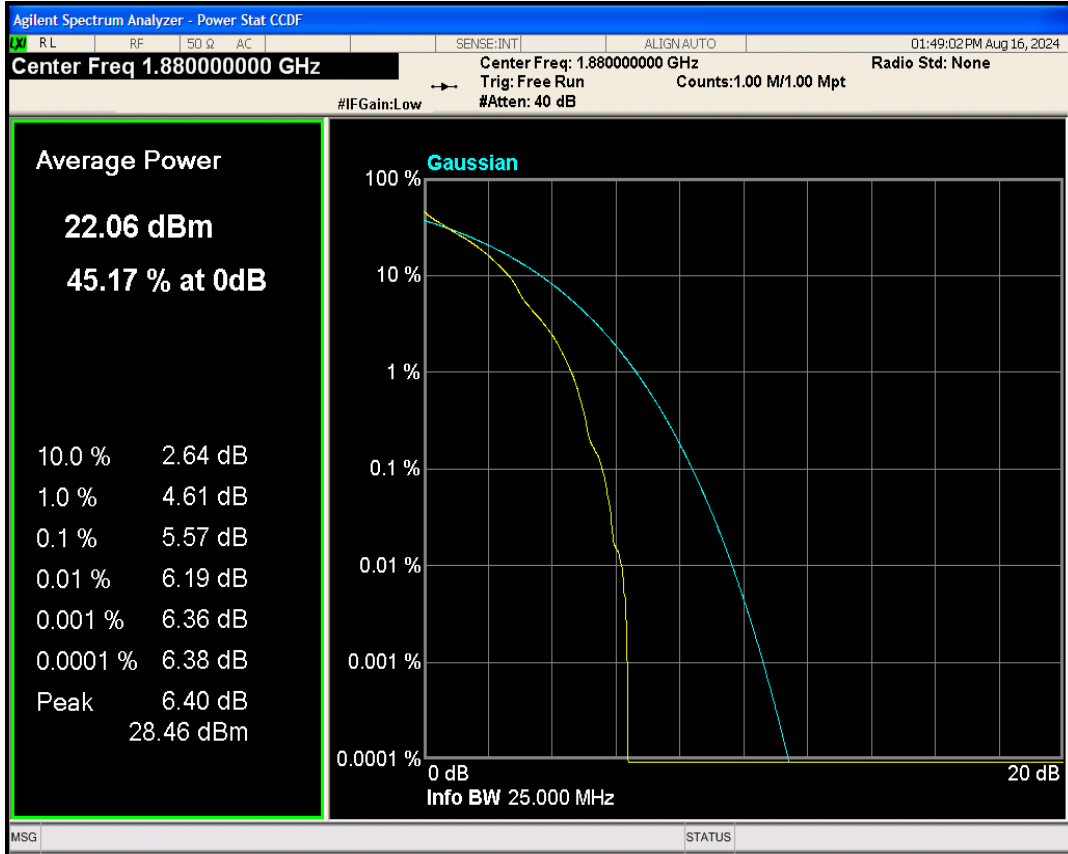
Band2 QPSK BW=5MHz Channel=18625 RB Size=1 Position=#0



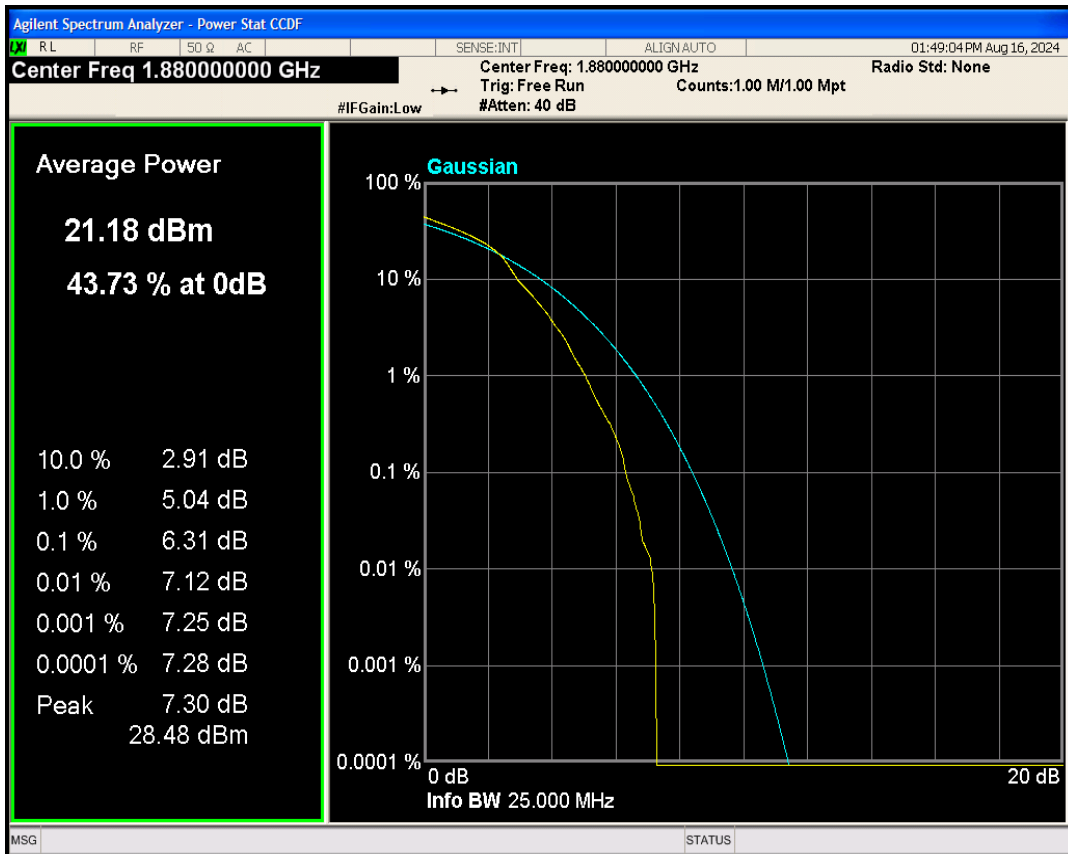
Band2 16QAM BW=5MHz Channel=18625 RB Size=1 Position=#0



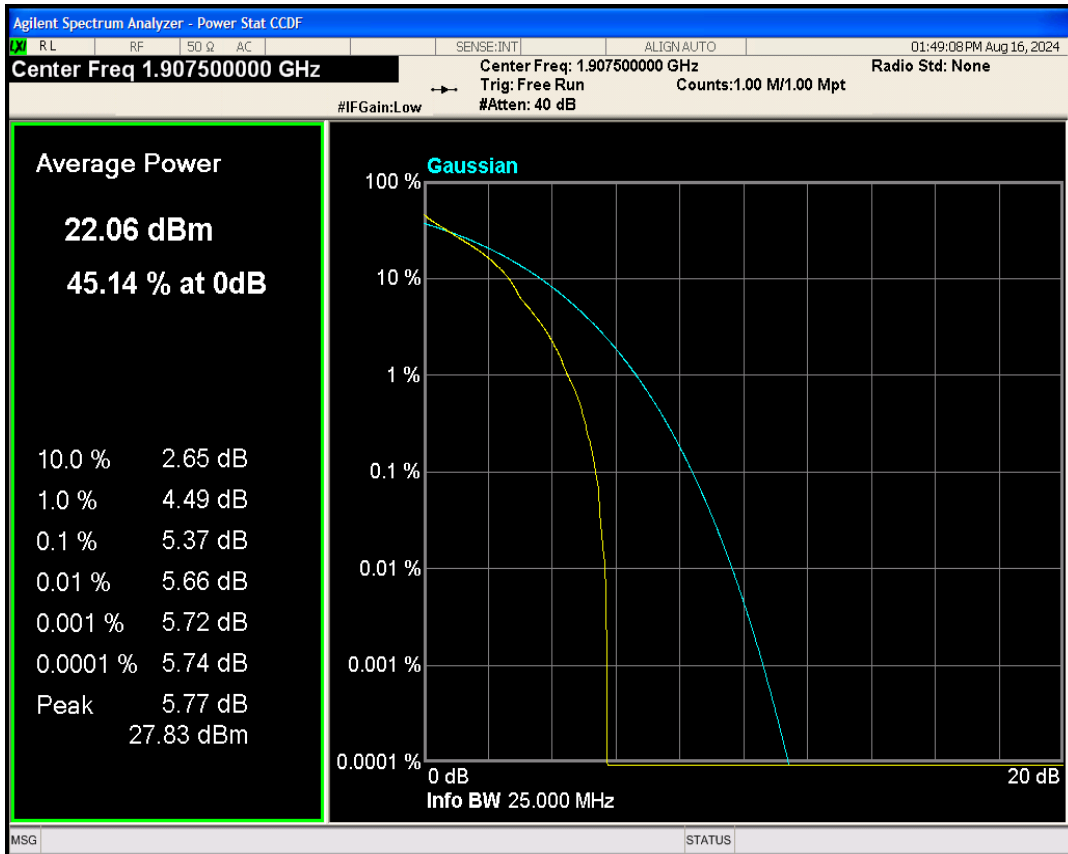
Band2 QPSK BW=5MHz Channel=18900 RB Size=1 Position=#0



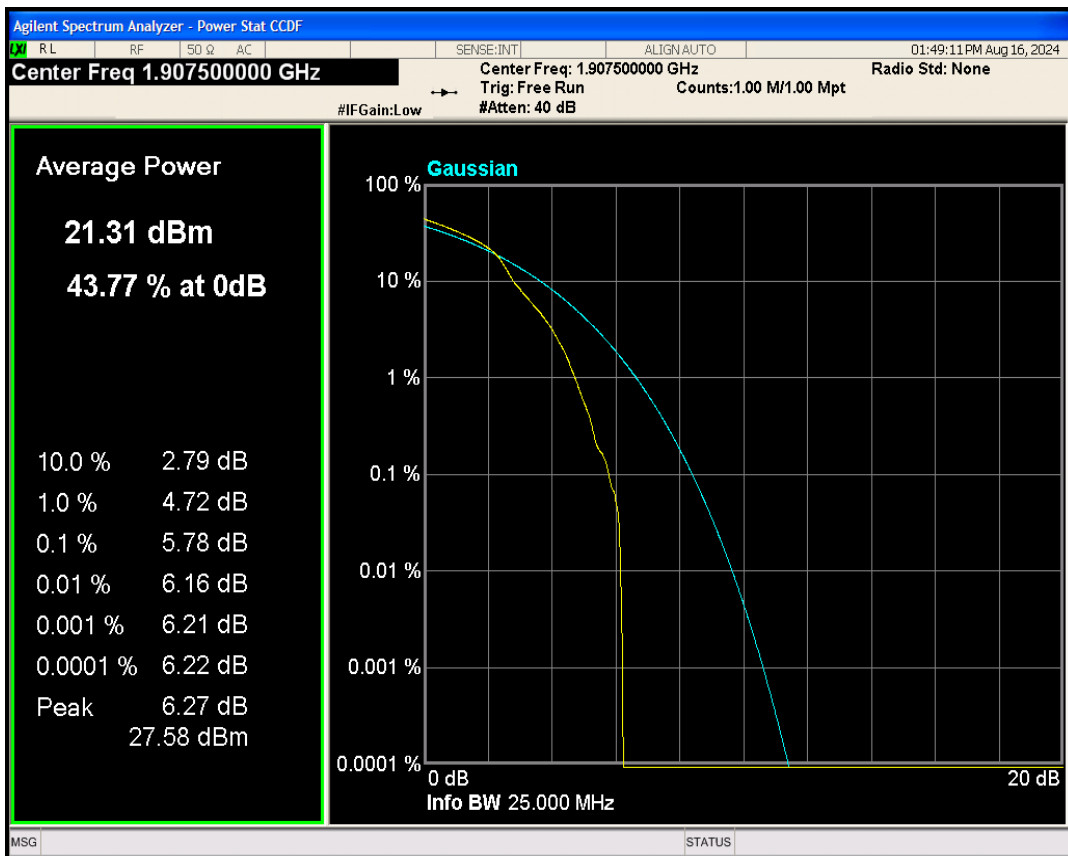
Band2 16QAM BW=5MHz Channel=18900 RB Size=1 Position=#0



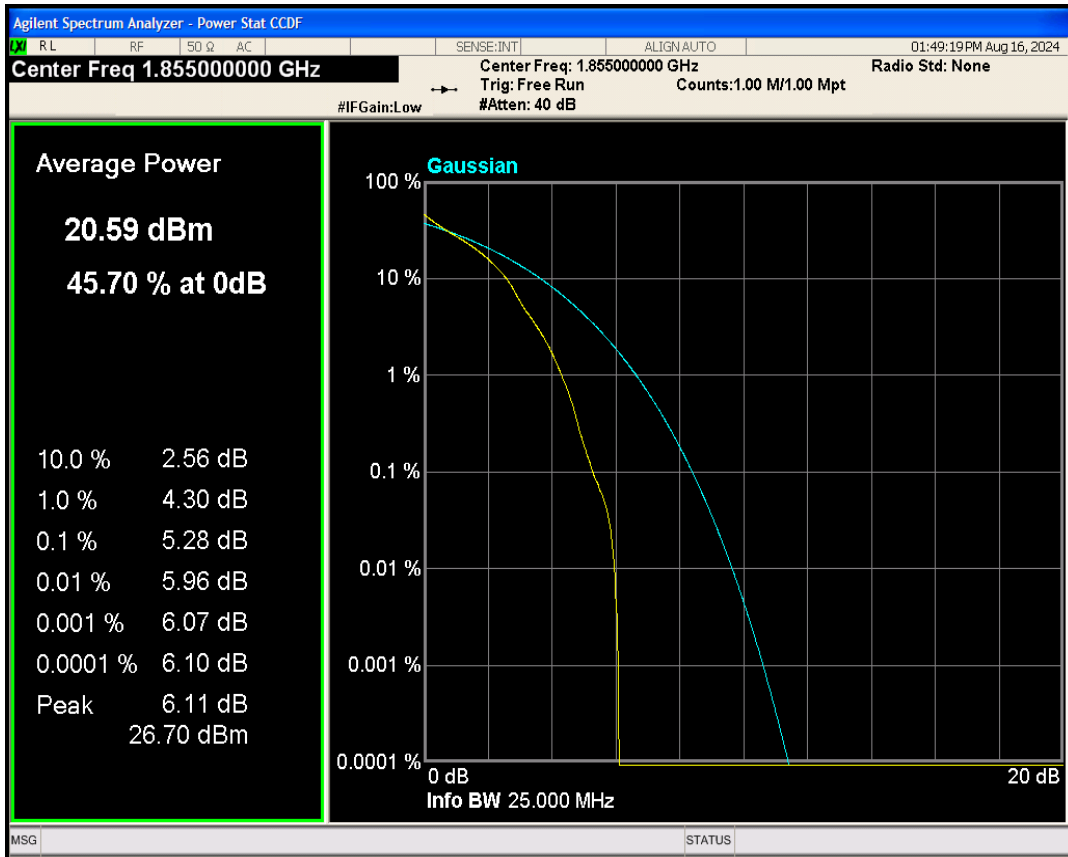
Band2 QPSK BW=5MHz Channel=19175 RB Size=1 Position=#0



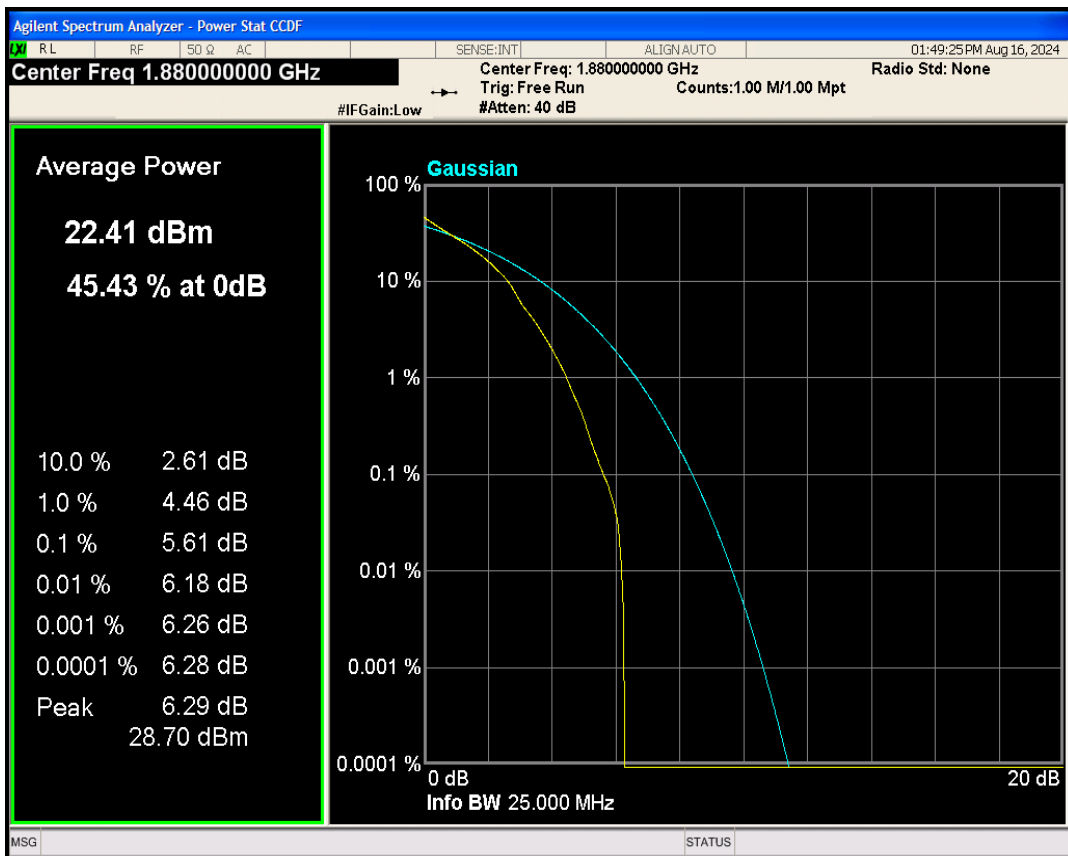
Band2 16QAM BW=5MHz Channel=19175 RB Size=1 Position=#0



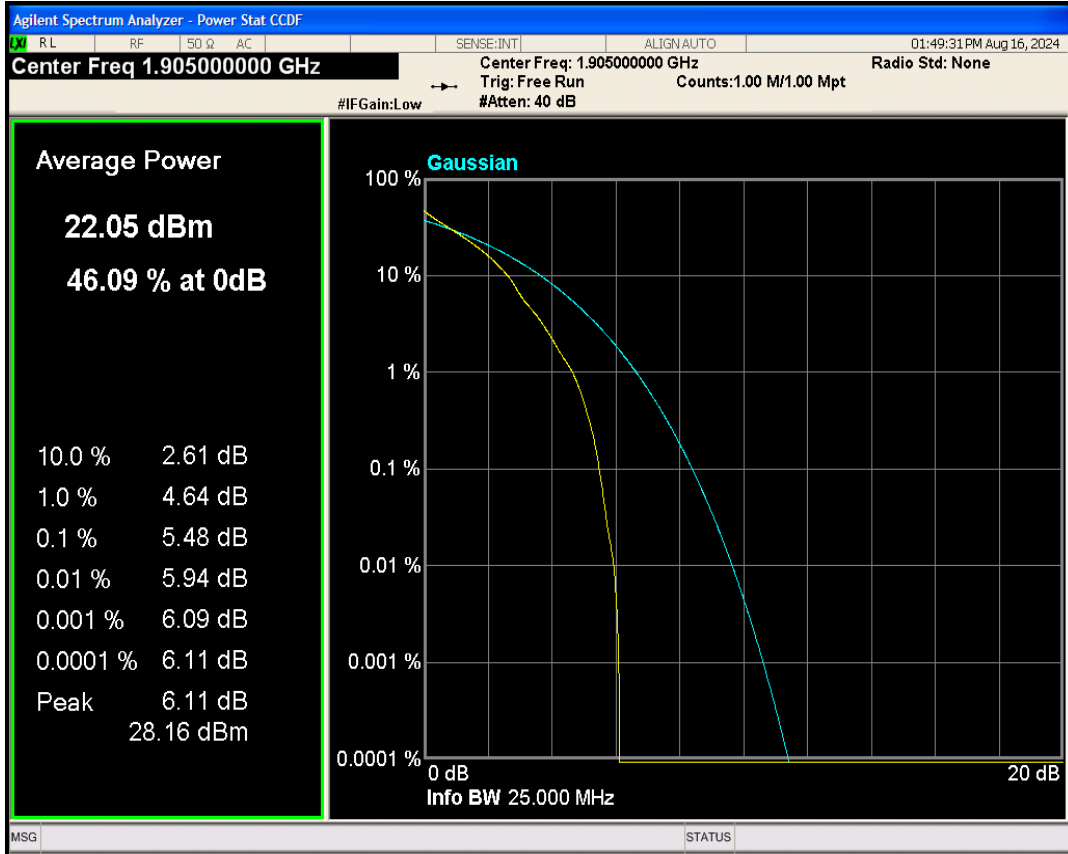
Band2 QPSK BW=10MHz Channel=18650 RB Size=1 Position=#0



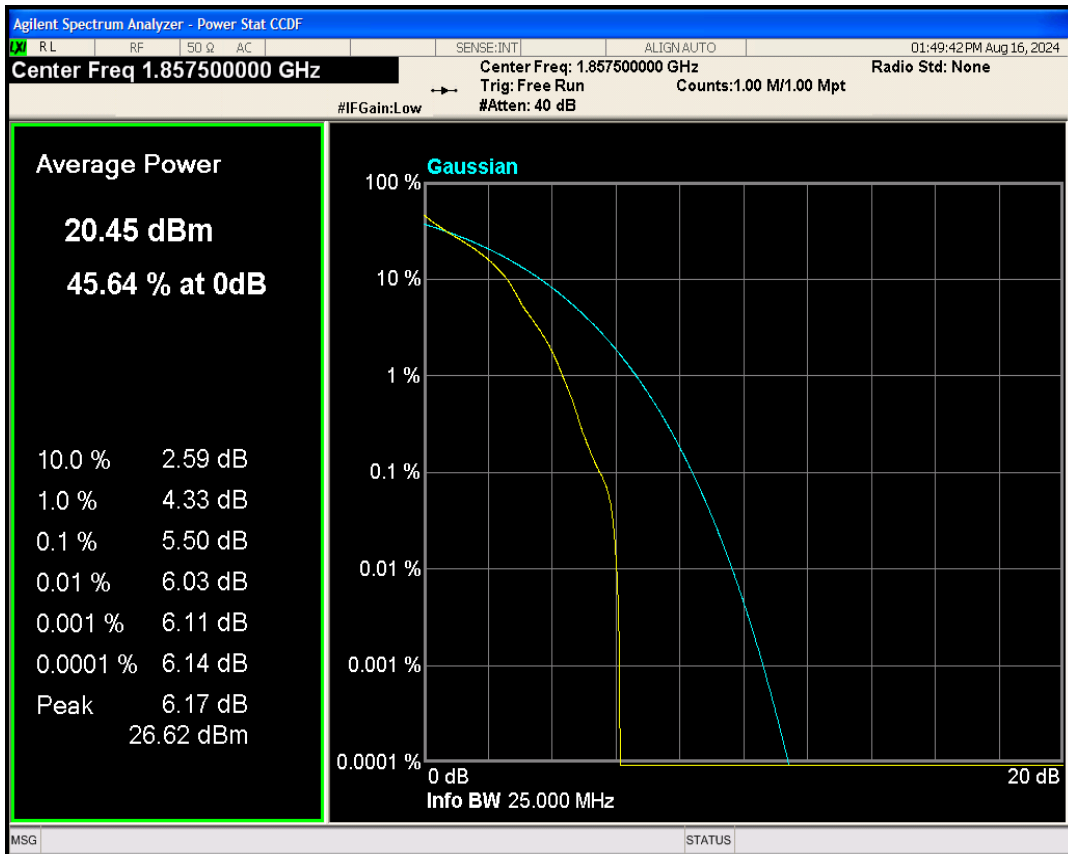
Band2 QPSK BW=10MHz Channel=18900 RB Size=1 Position=#0



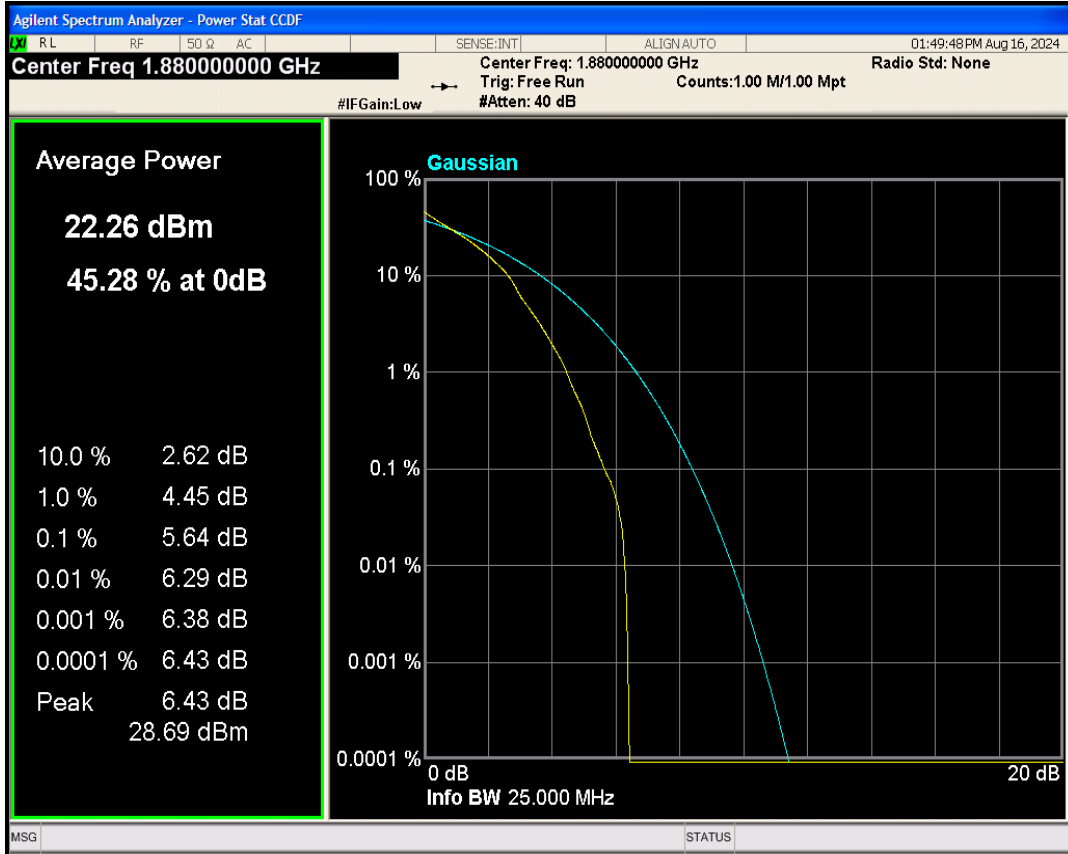
Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#0



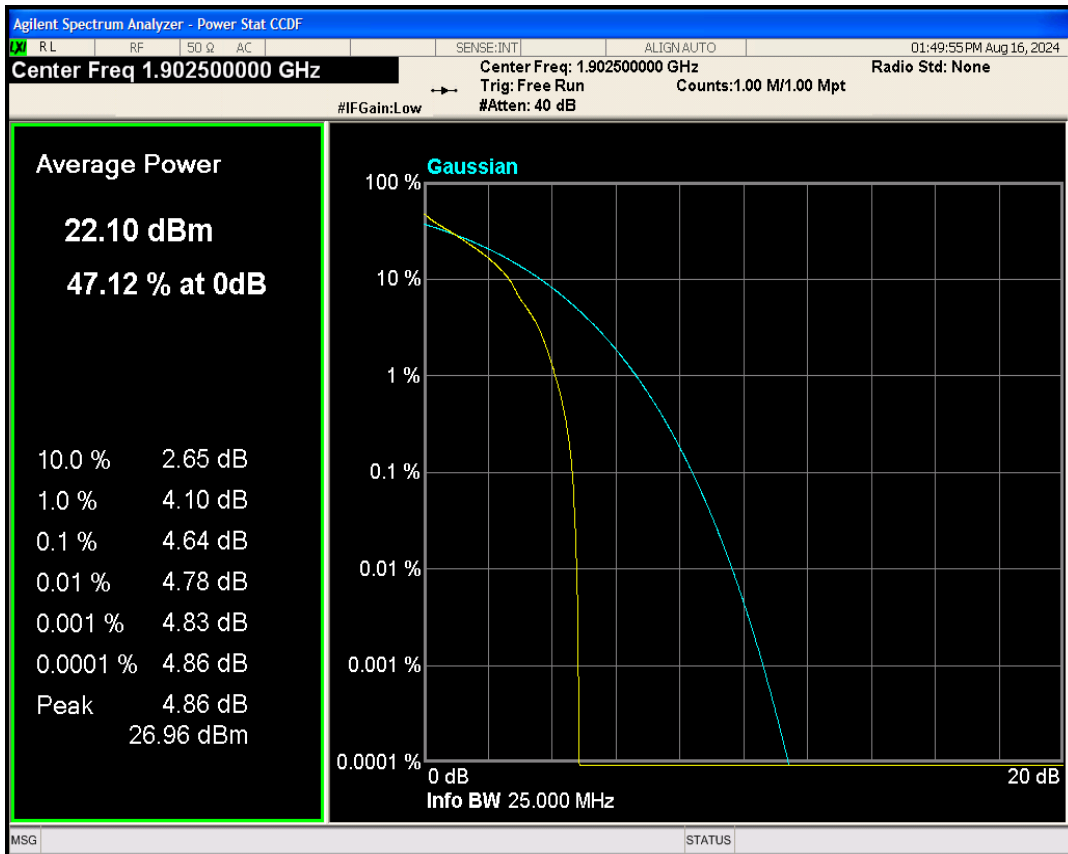
Band2 QPSK BW=15MHz Channel=18675 RB Size=1 Position=#0



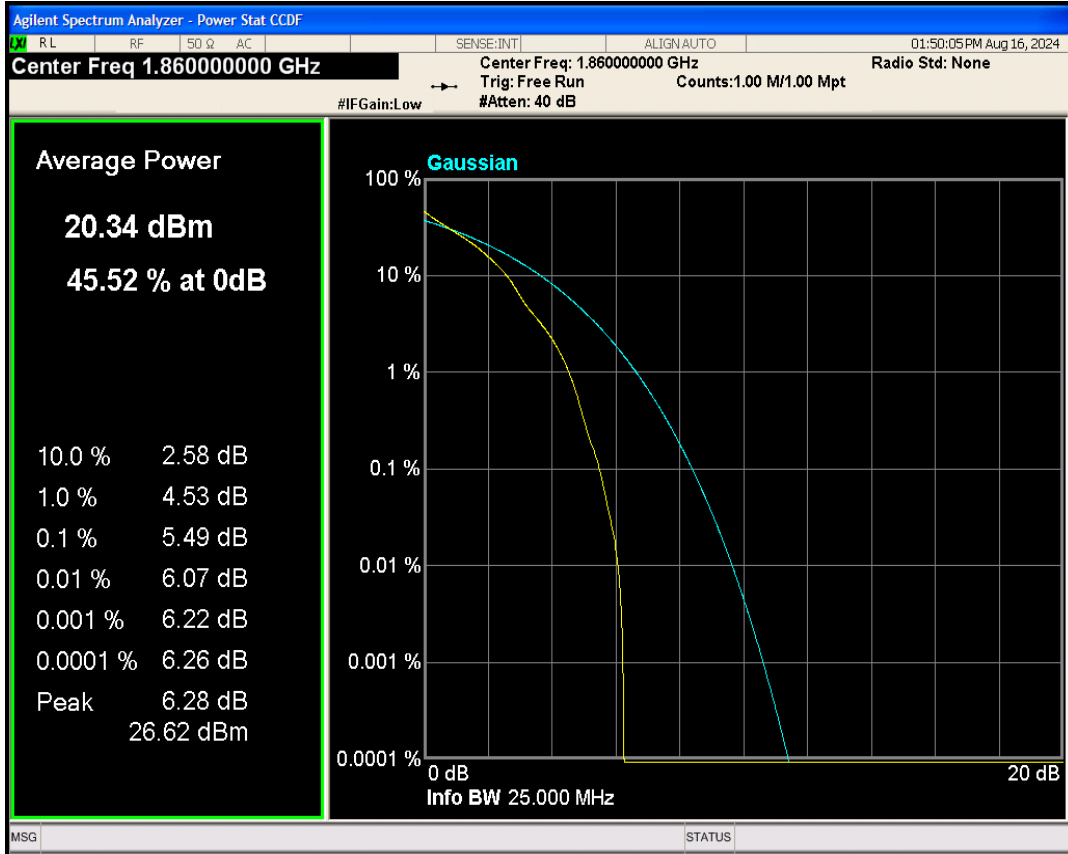
Band2 QPSK BW=15MHz Channel=18900 RB Size=1 Position=#0



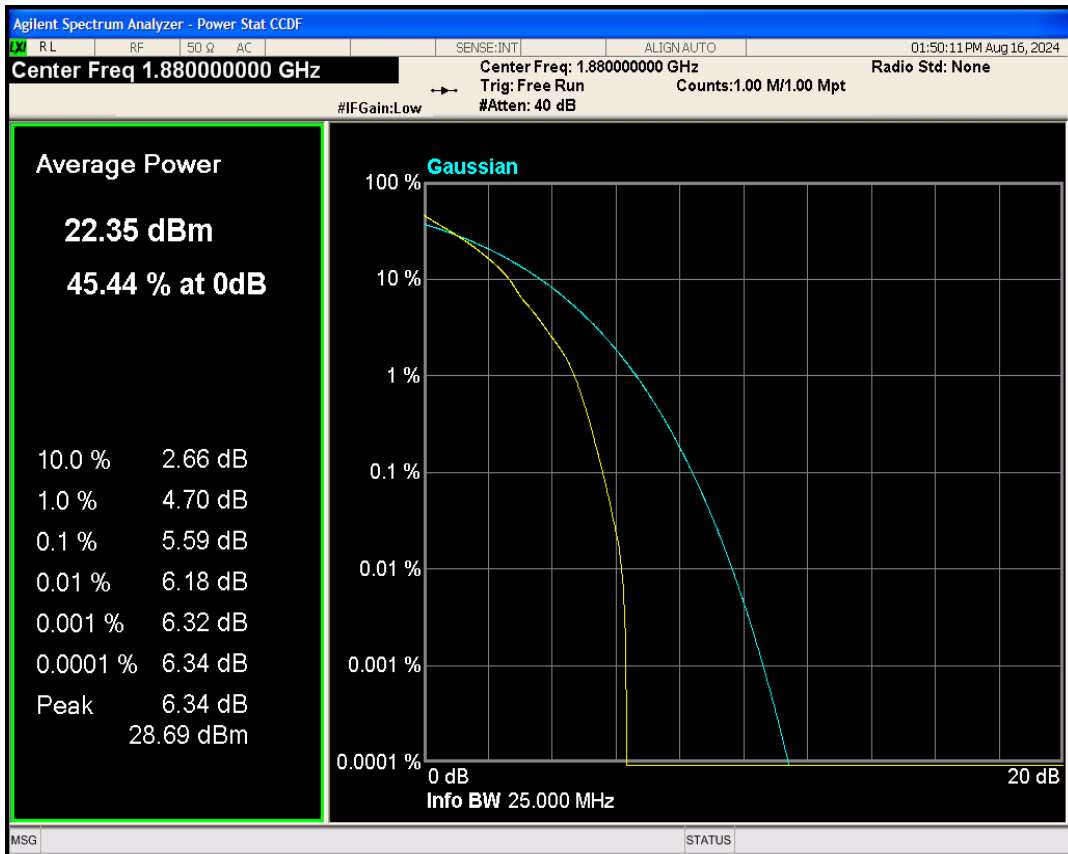
Band2 QPSK BW=15MHz Channel=19125 RB Size=1 Position=#0



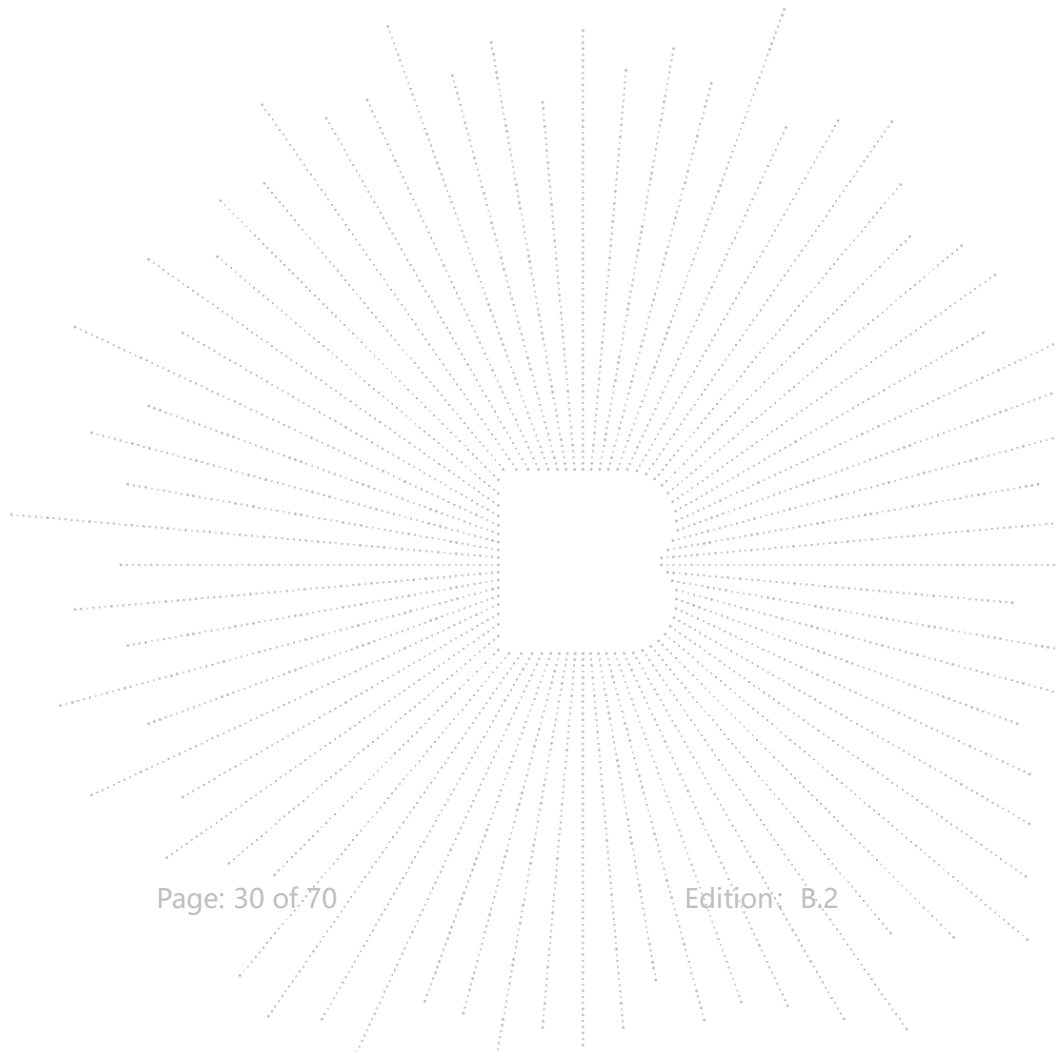
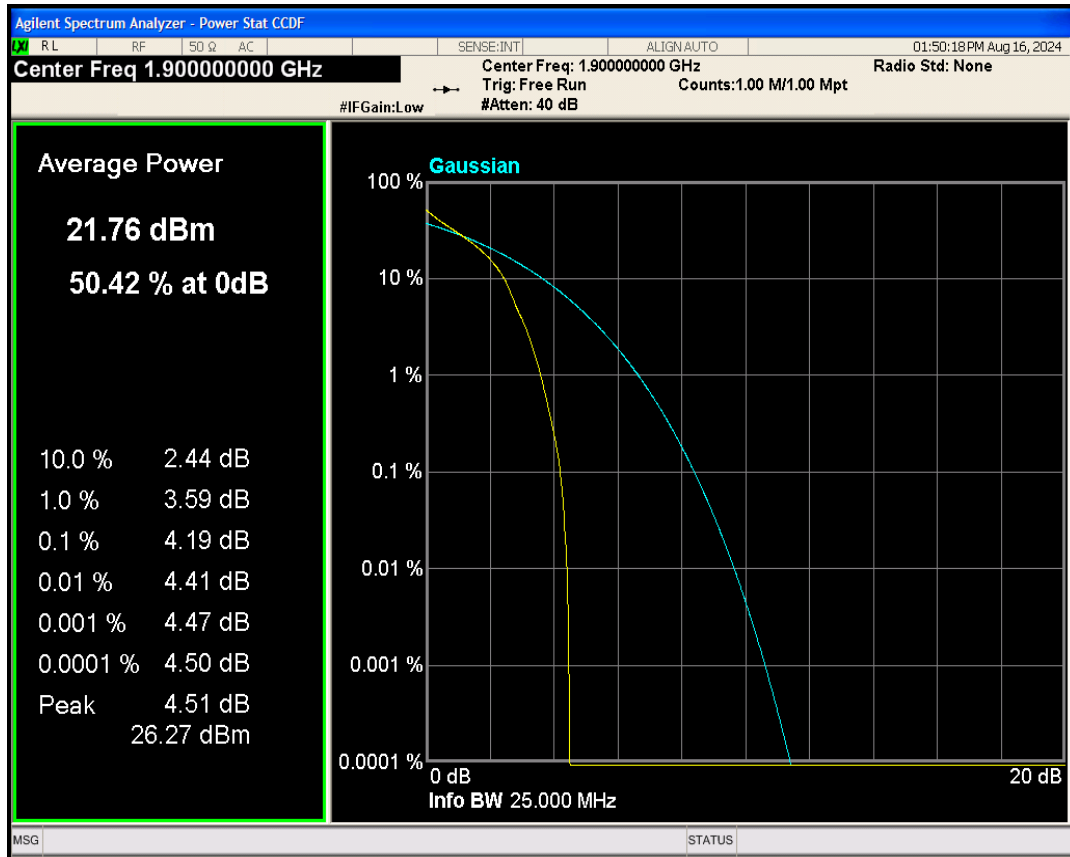
Band2 QPSK BW=20MHz Channel=18700 RB Size=1 Position=#0



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



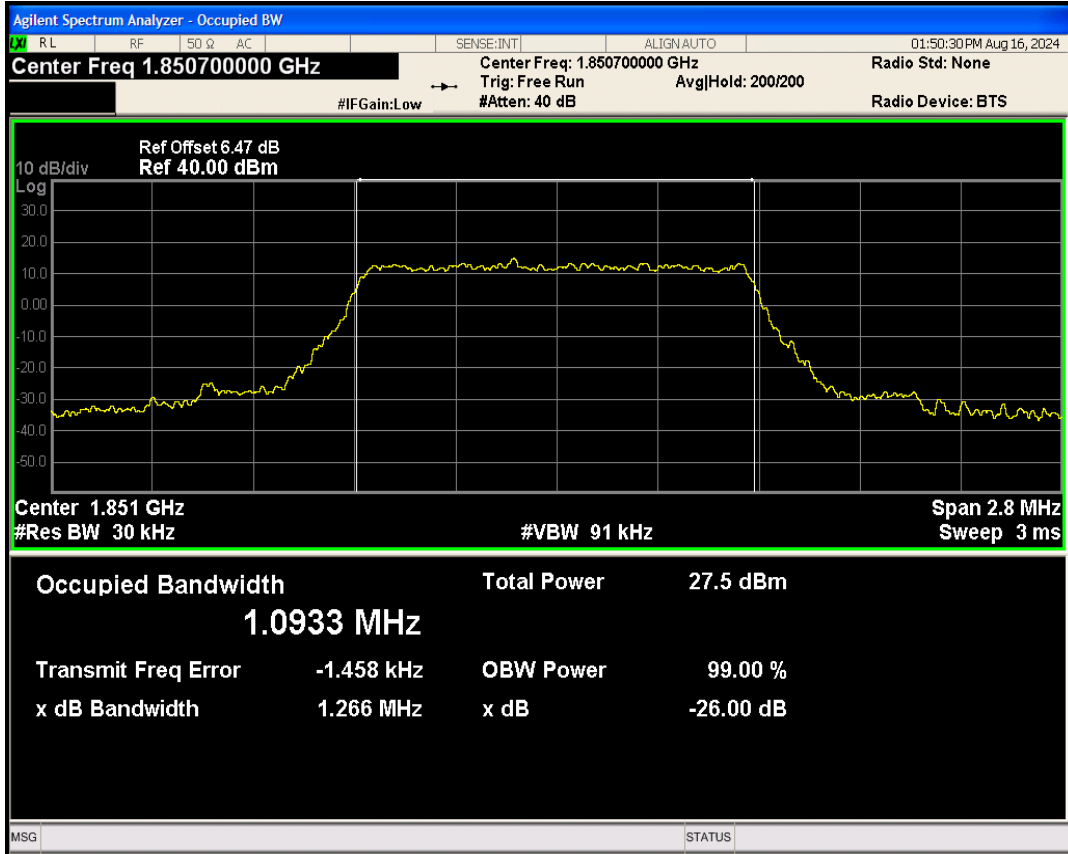
Band2 QPSK BW=20MHz Channel=19100 RB Size=1 Position=#0



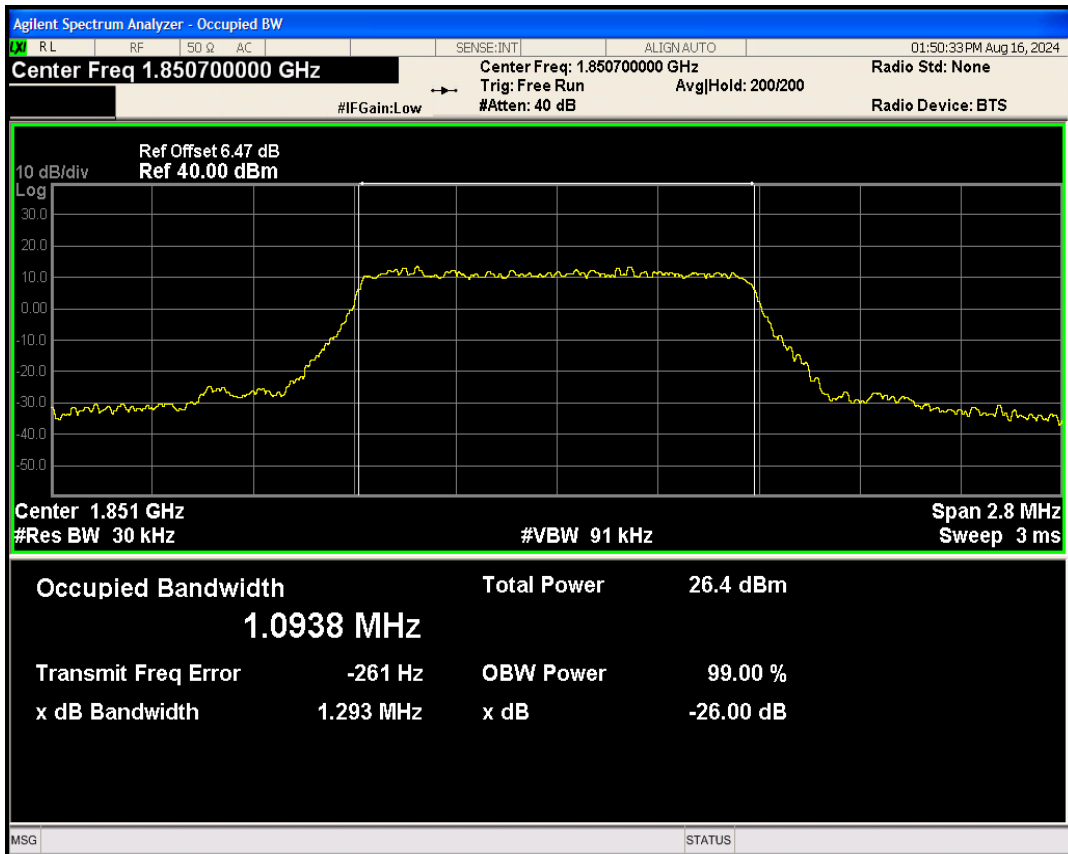
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band2	1.4	18607	6	#0	QPSK	1.093	1.266	PASS
Band2	1.4	18607	6	#0	16QAM	1.094	1.293	PASS
Band2	1.4	18900	6	#0	QPSK	1.093	1.322	PASS
Band2	1.4	18900	6	#0	16QAM	1.099	1.299	PASS
Band2	1.4	19193	6	#0	QPSK	1.091	1.285	PASS
Band2	1.4	19193	6	#0	16QAM	1.093	1.306	PASS
Band2	3	18615	15	#0	QPSK	2.701	2.997	PASS
Band2	3	18615	15	#0	16QAM	2.699	2.961	PASS
Band2	3	18900	15	#0	QPSK	2.693	2.985	PASS
Band2	3	18900	15	#0	16QAM	2.701	2.946	PASS
Band2	3	19185	15	#0	QPSK	2.698	2.990	PASS
Band2	3	19185	15	#0	16QAM	2.693	2.974	PASS
Band2	5	18625	25	#0	QPSK	4.525	5.078	PASS
Band2	5	18625	25	#0	16QAM	4.529	5.075	PASS
Band2	5	18900	25	#0	QPSK	4.518	5.122	PASS
Band2	5	18900	25	#0	16QAM	4.517	5.023	PASS
Band2	5	19175	25	#0	QPSK	4.515	5.142	PASS
Band2	5	19175	25	#0	16QAM	4.510	5.054	PASS
Band2	10	18650	50	#0	QPSK	9.021	10.204	PASS
Band2	10	18900	50	#0	QPSK	9.008	10.093	PASS
Band2	10	19150	50	#0	QPSK	8.953	9.942	PASS
Band2	15	18675	75	#0	QPSK	13.495	15.097	PASS
Band2	15	18900	75	#0	QPSK	13.502	15.369	PASS
Band2	15	19125	75	#0	QPSK	13.419	15.180	PASS
Band2	20	18700	100	#0	QPSK	17.957	19.431	PASS
Band2	20	18900	100	#0	QPSK	18.011	19.889	PASS
Band2	20	19100	100	#0	QPSK	17.969	19.734	PASS

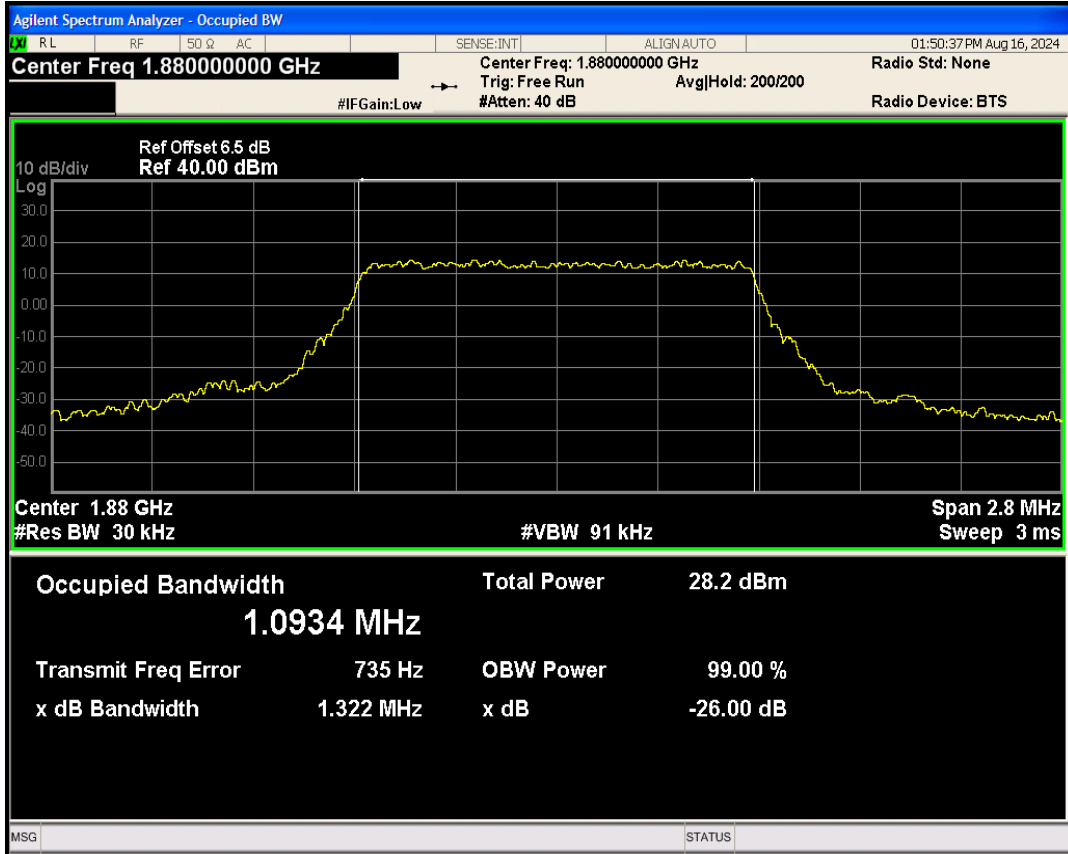
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



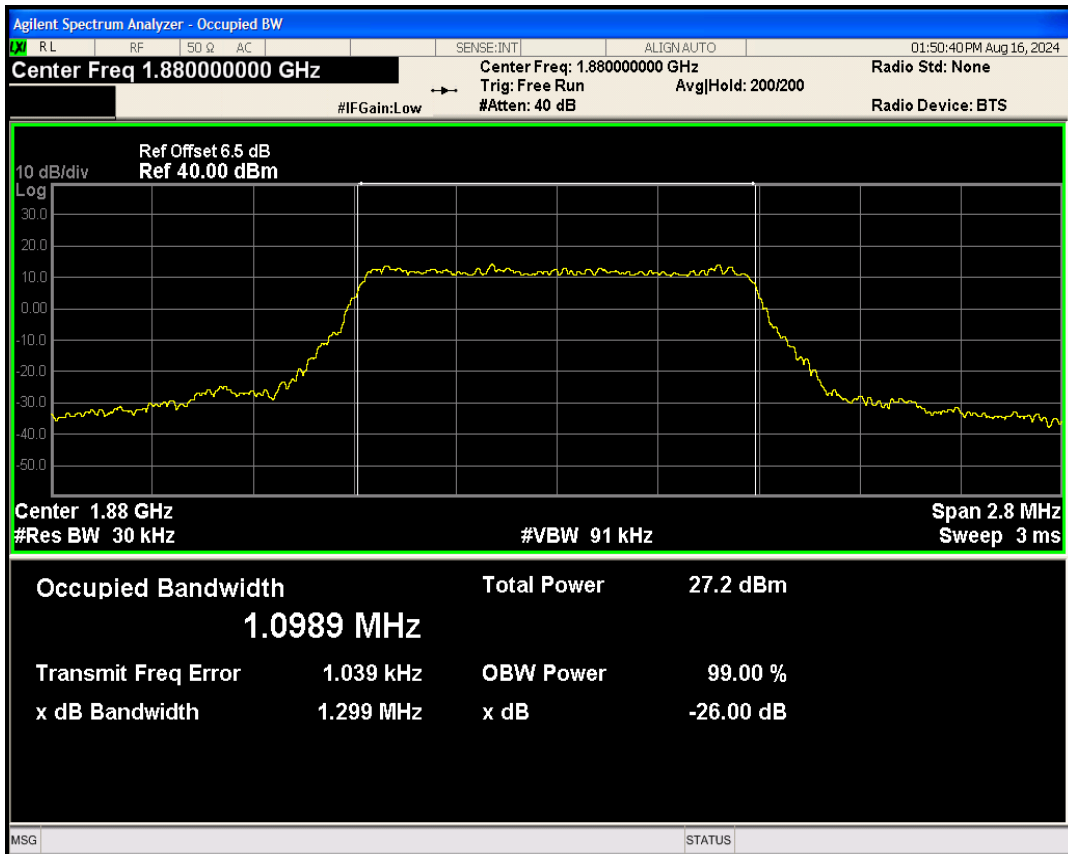
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



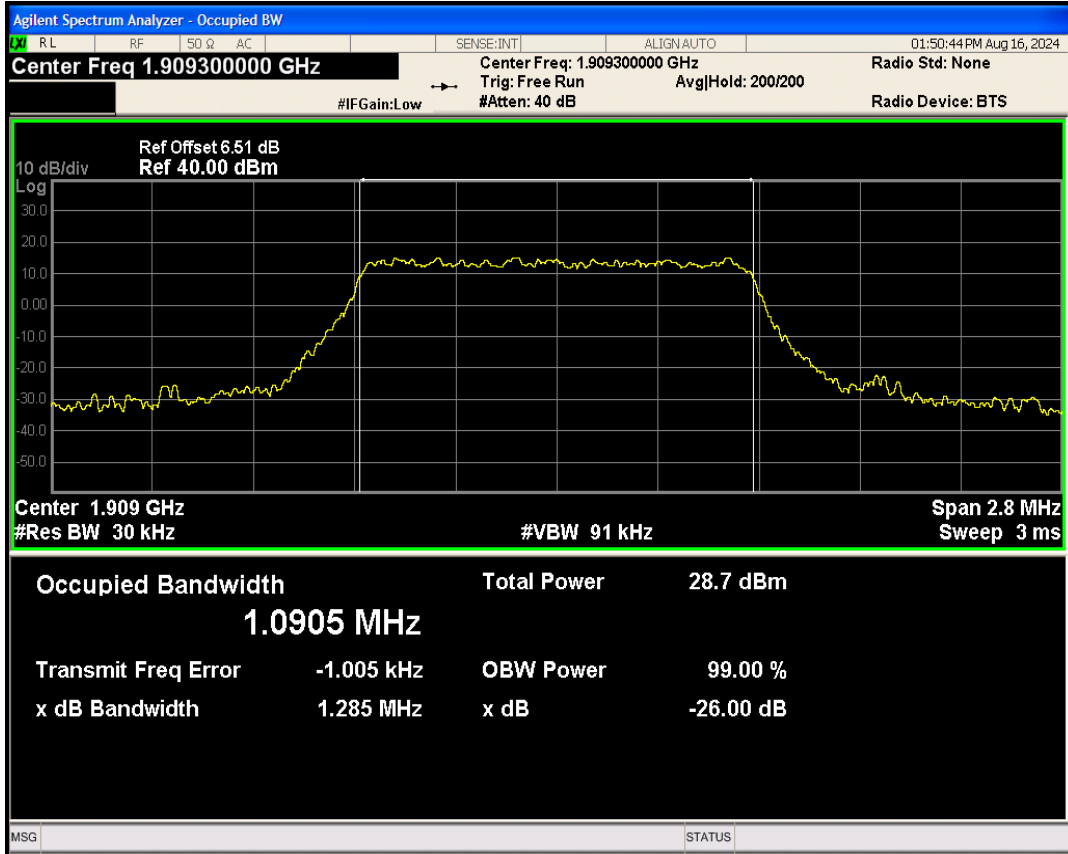
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



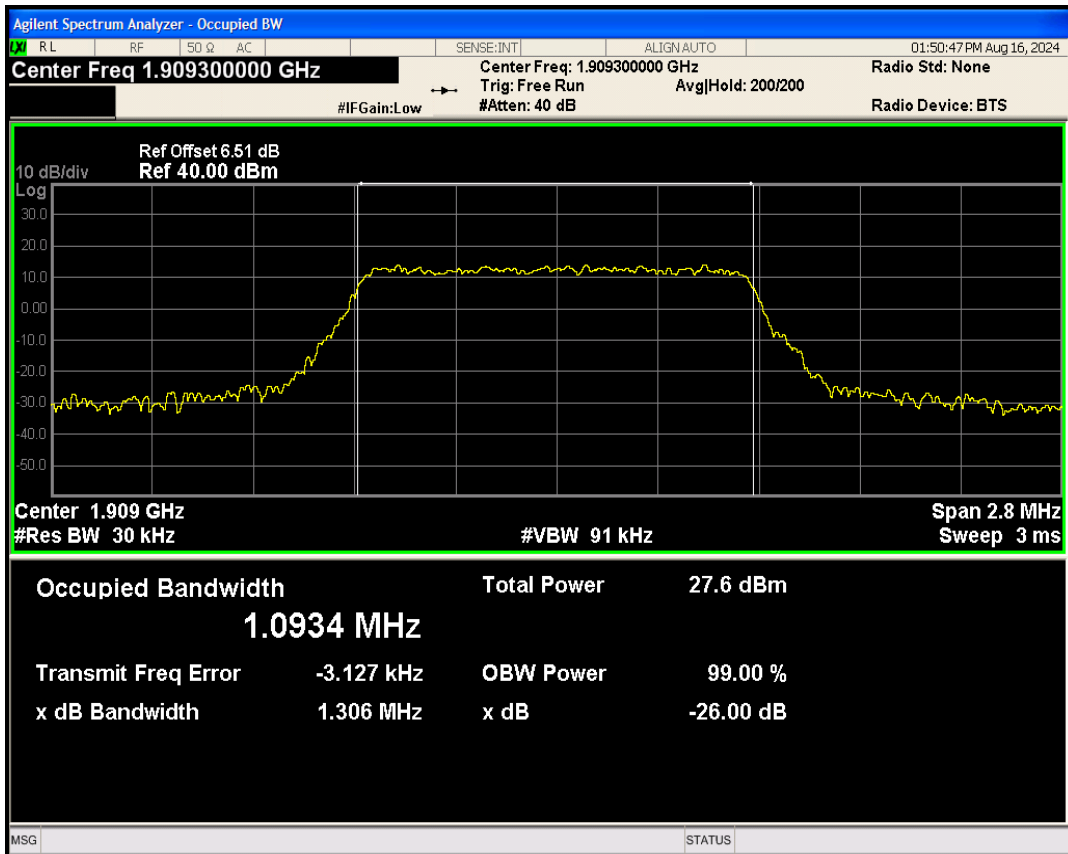
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



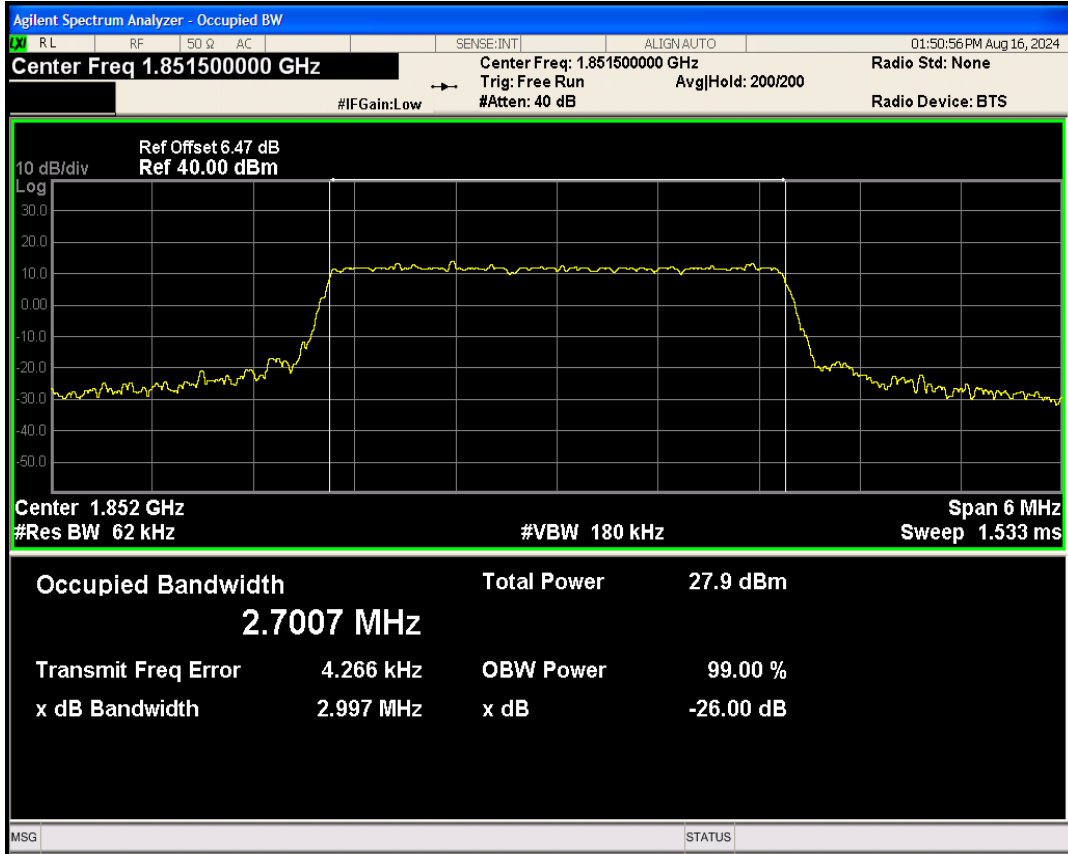
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



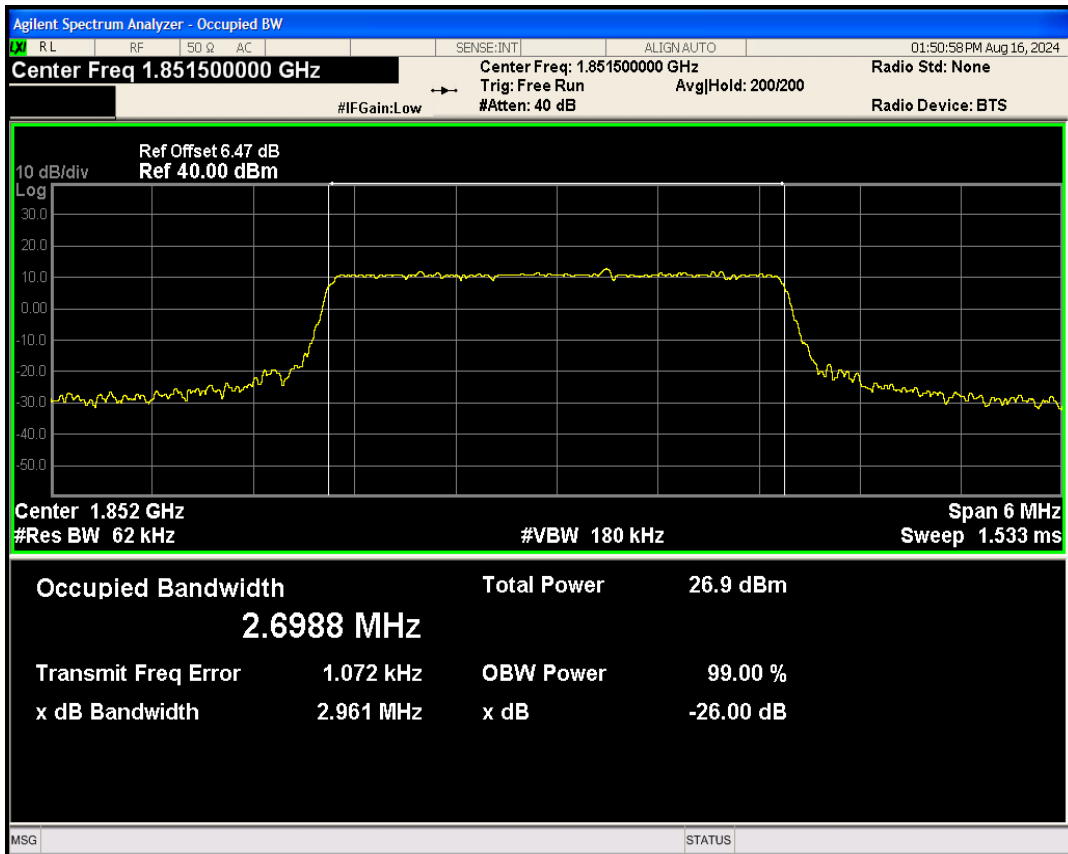
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



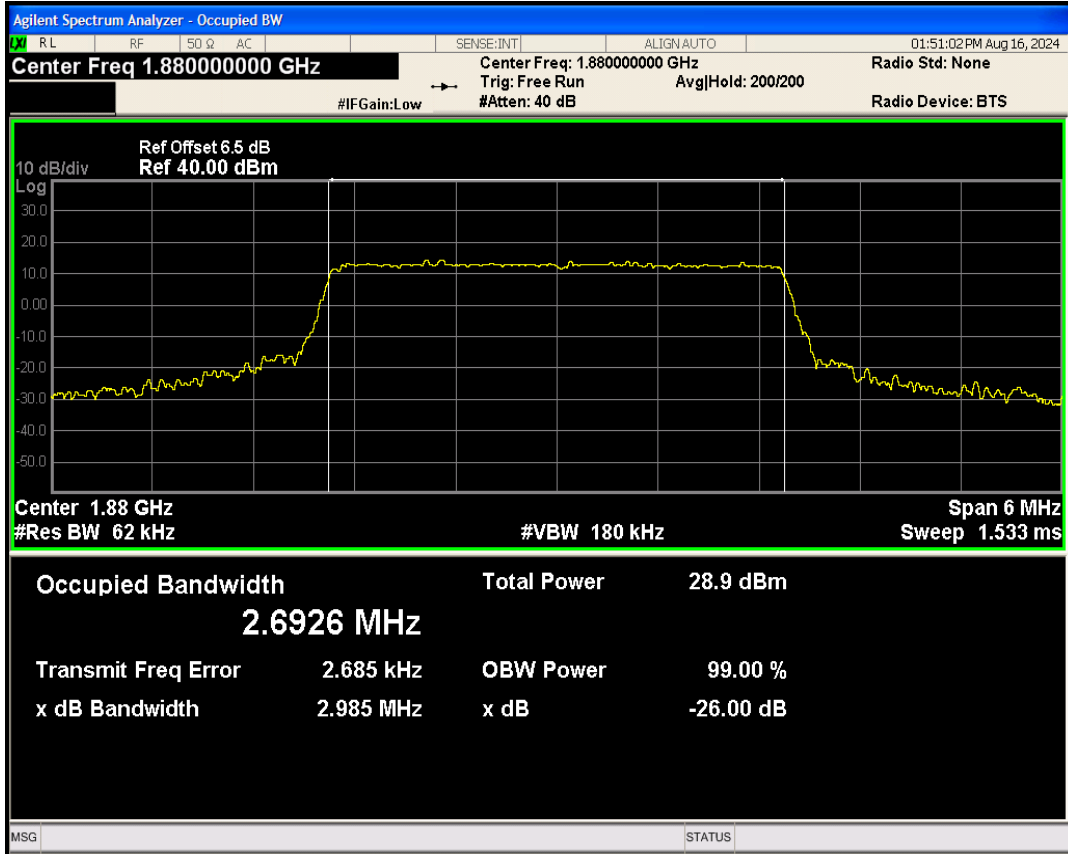
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



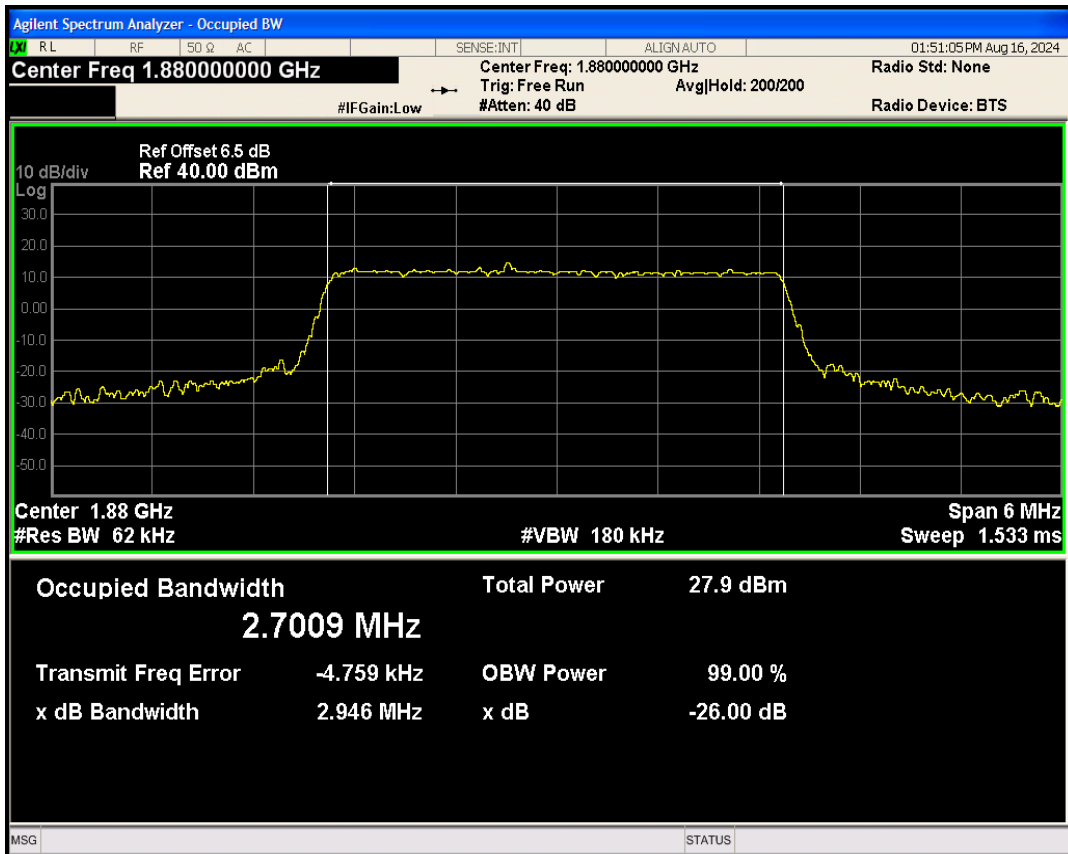
Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



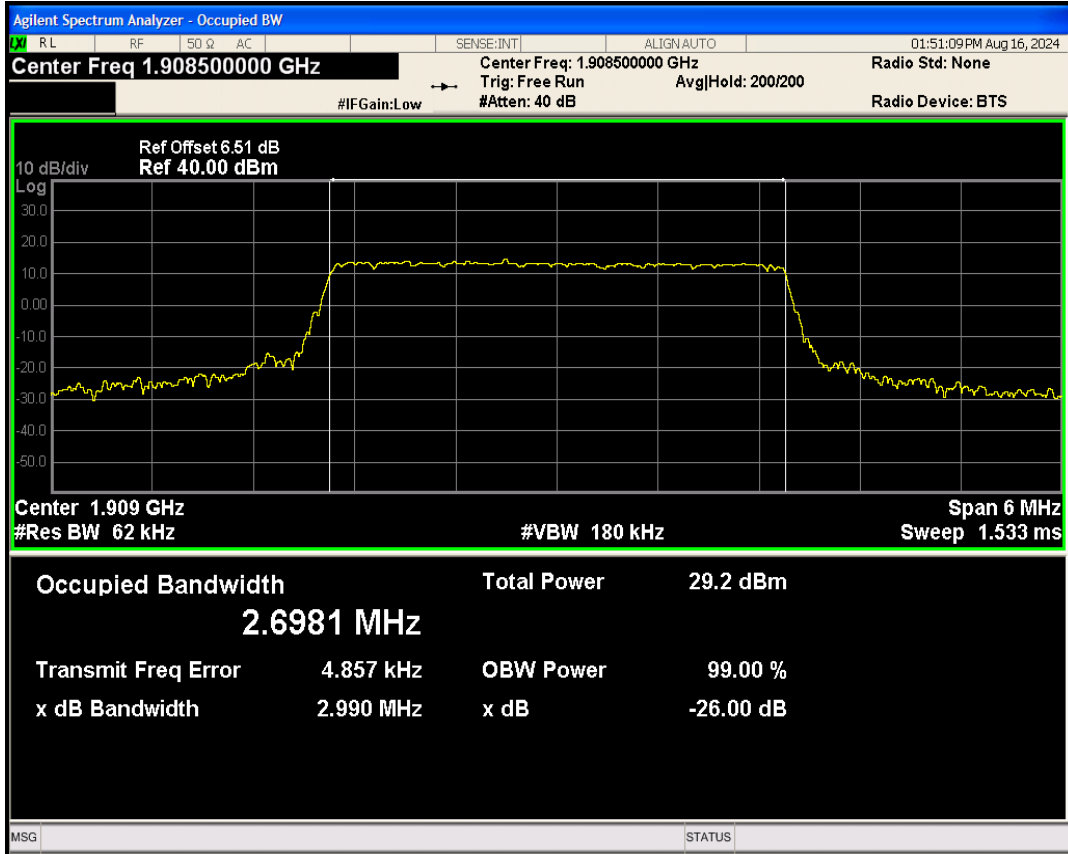
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



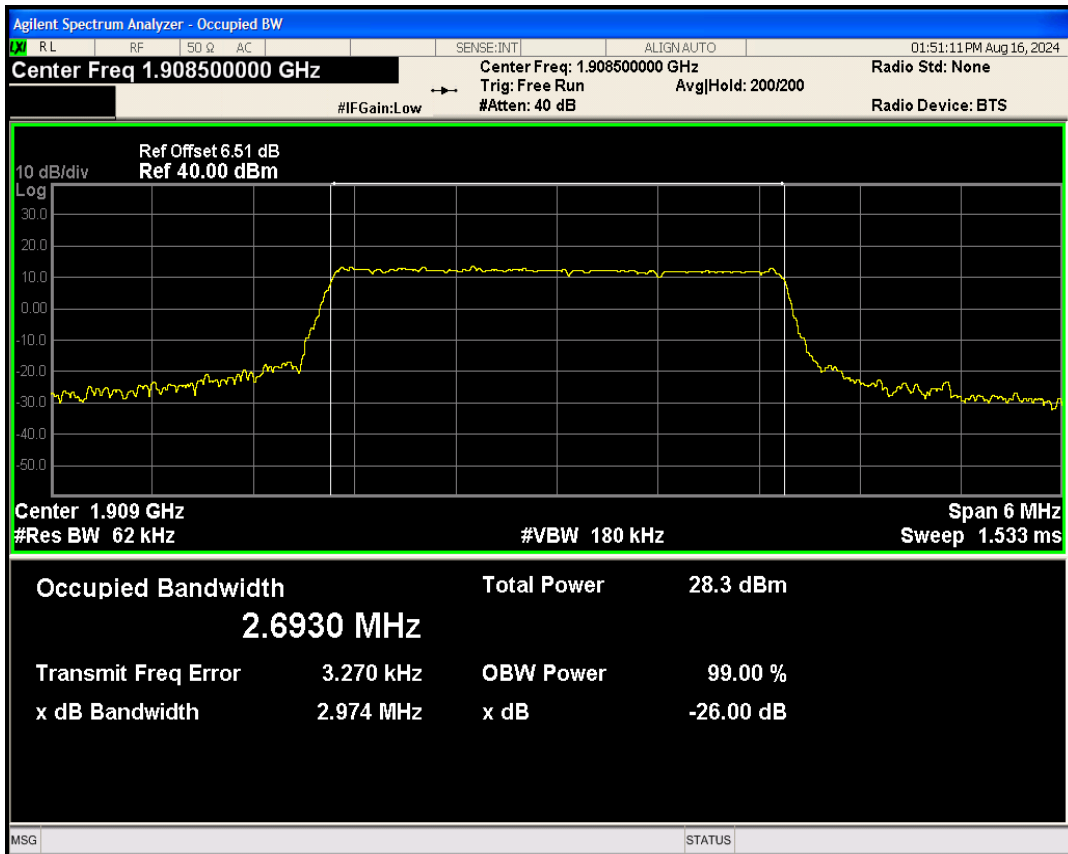
Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0



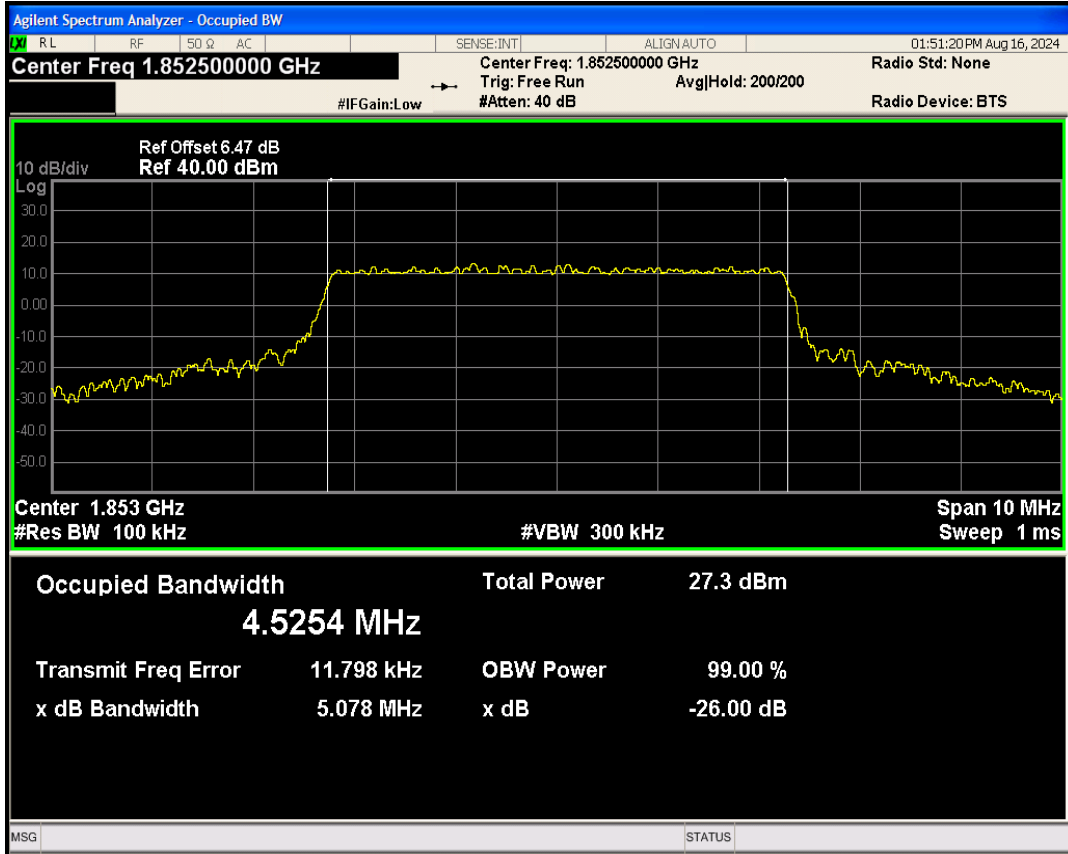
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



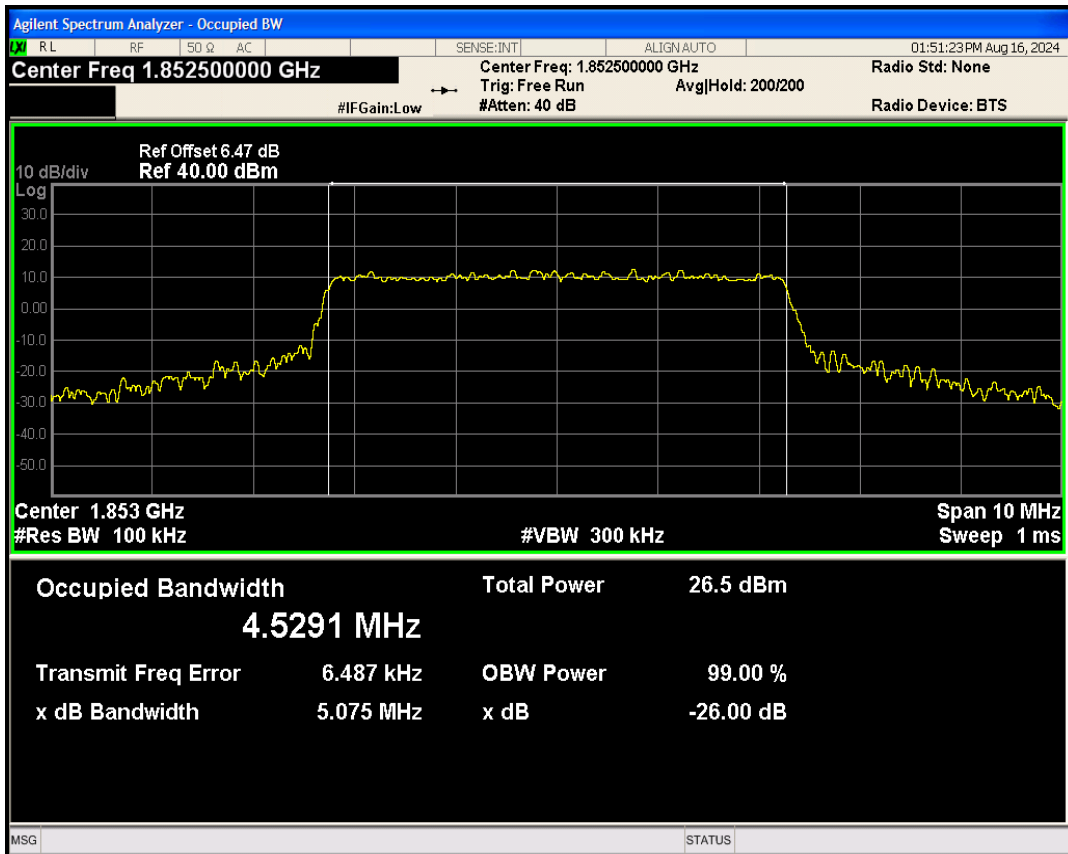
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



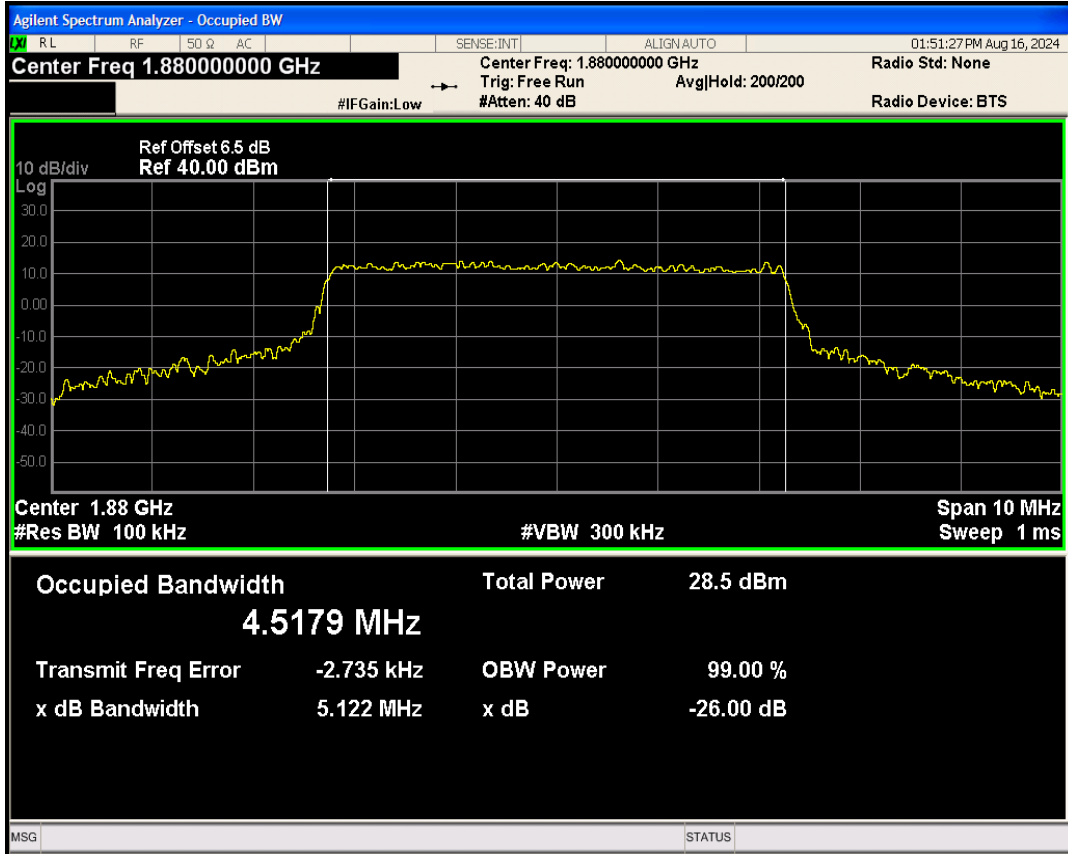
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



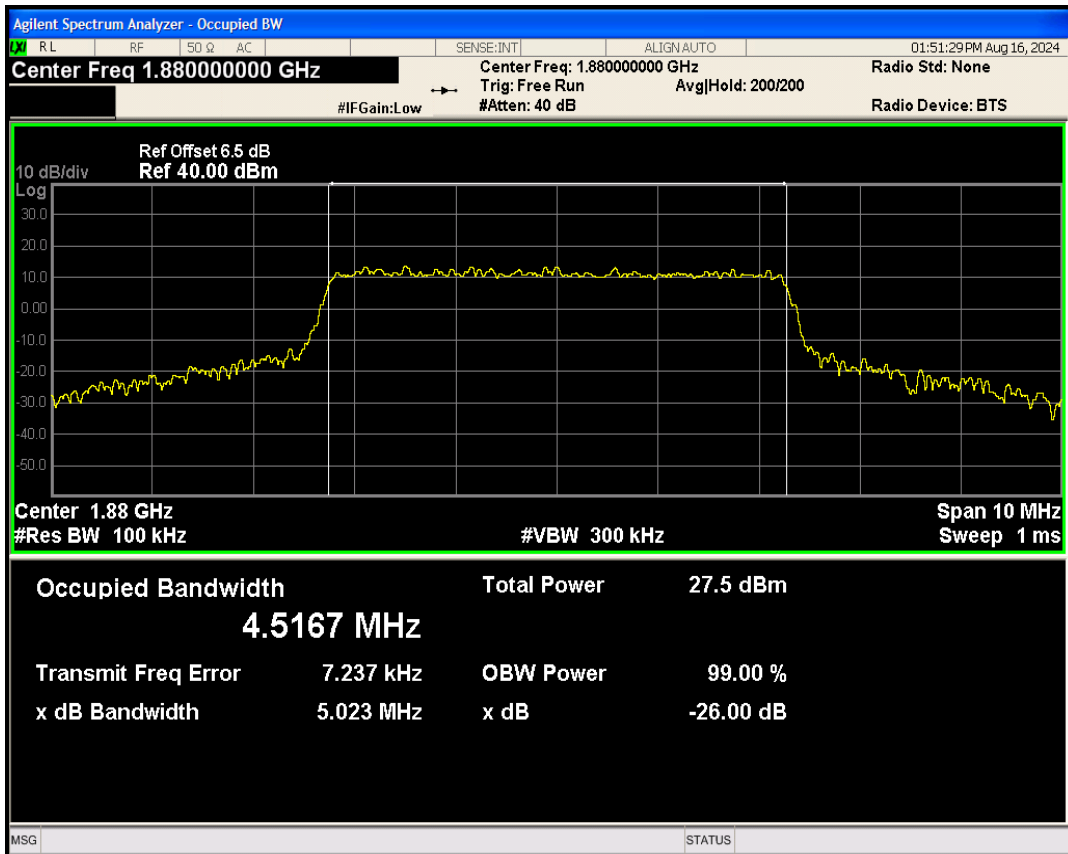
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



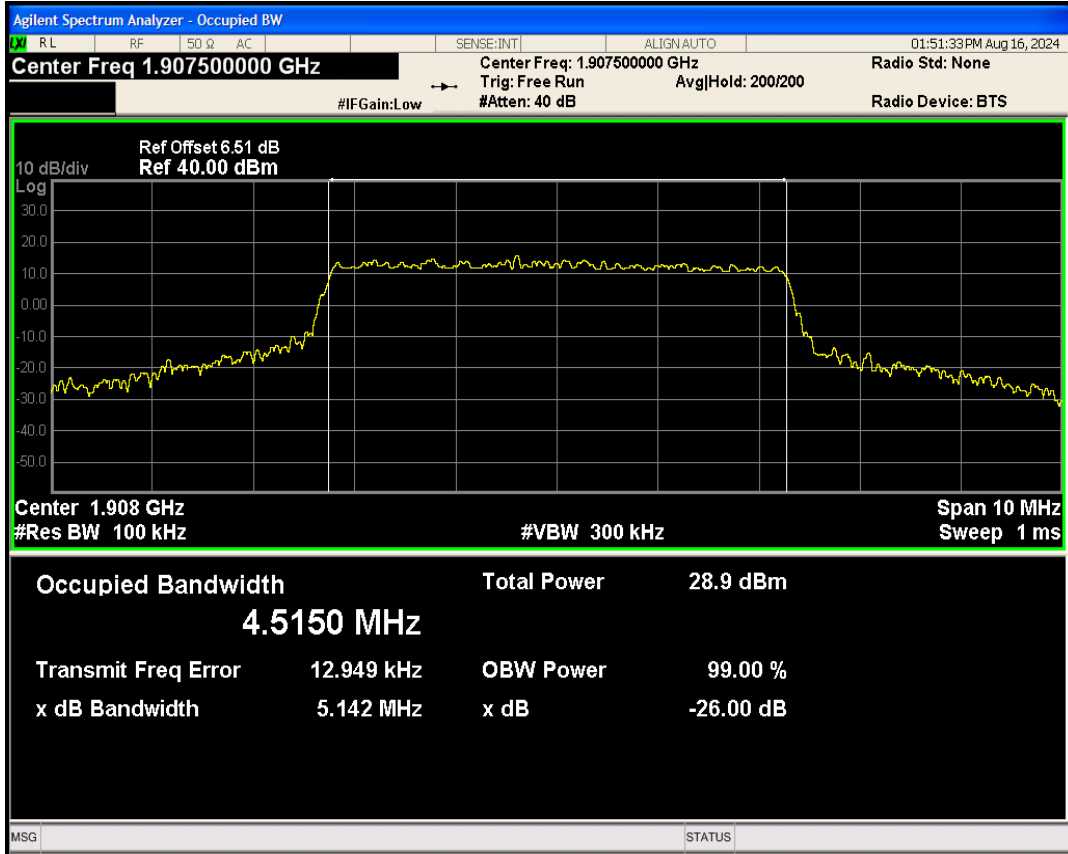
Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



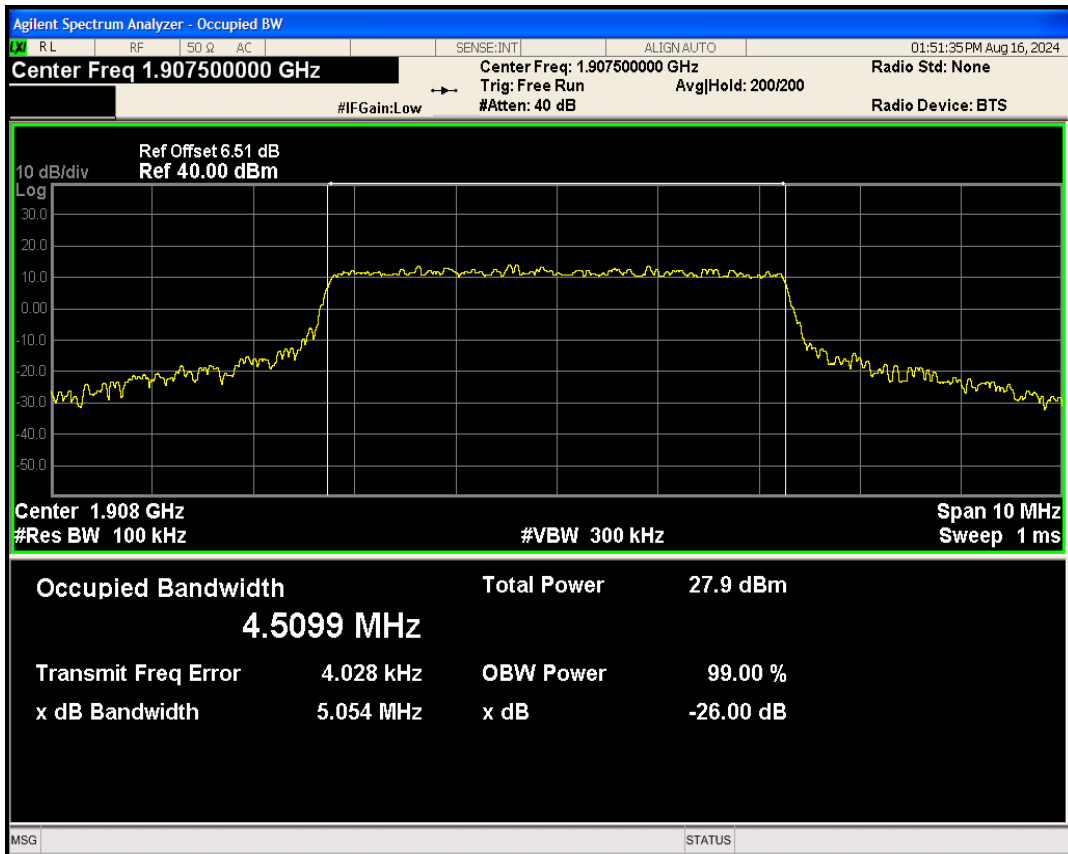
Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0



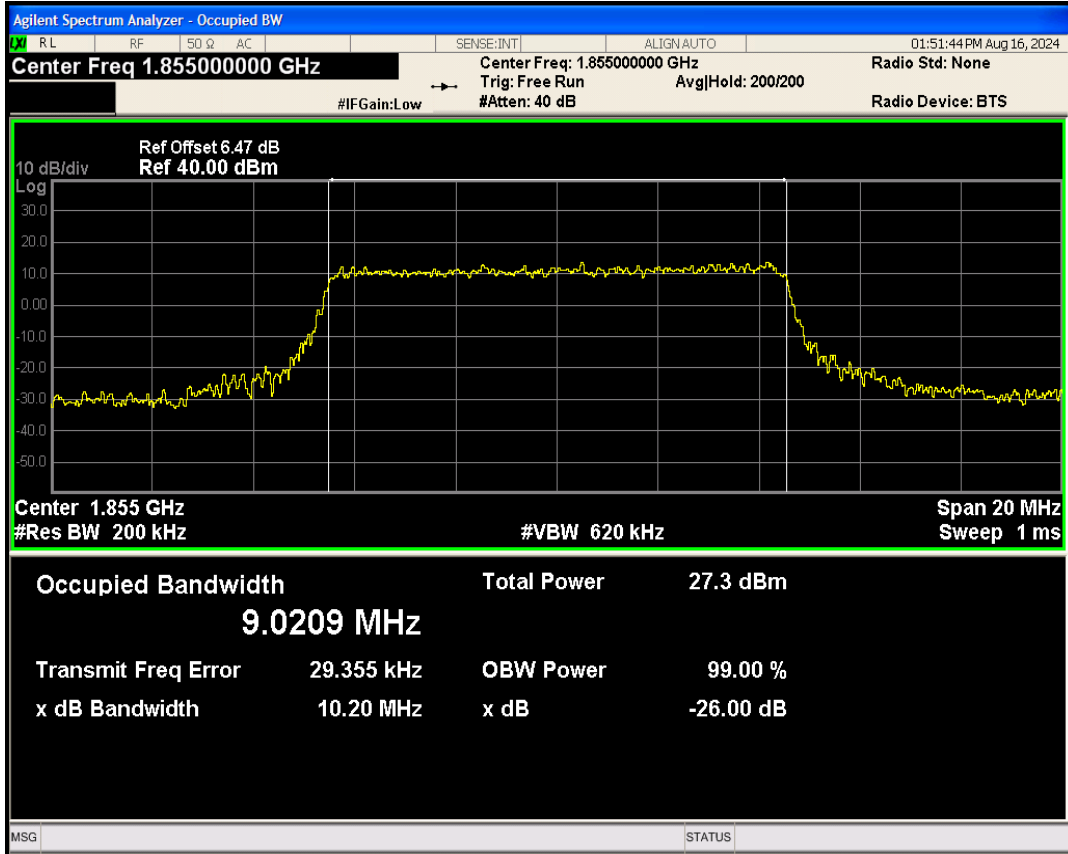
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



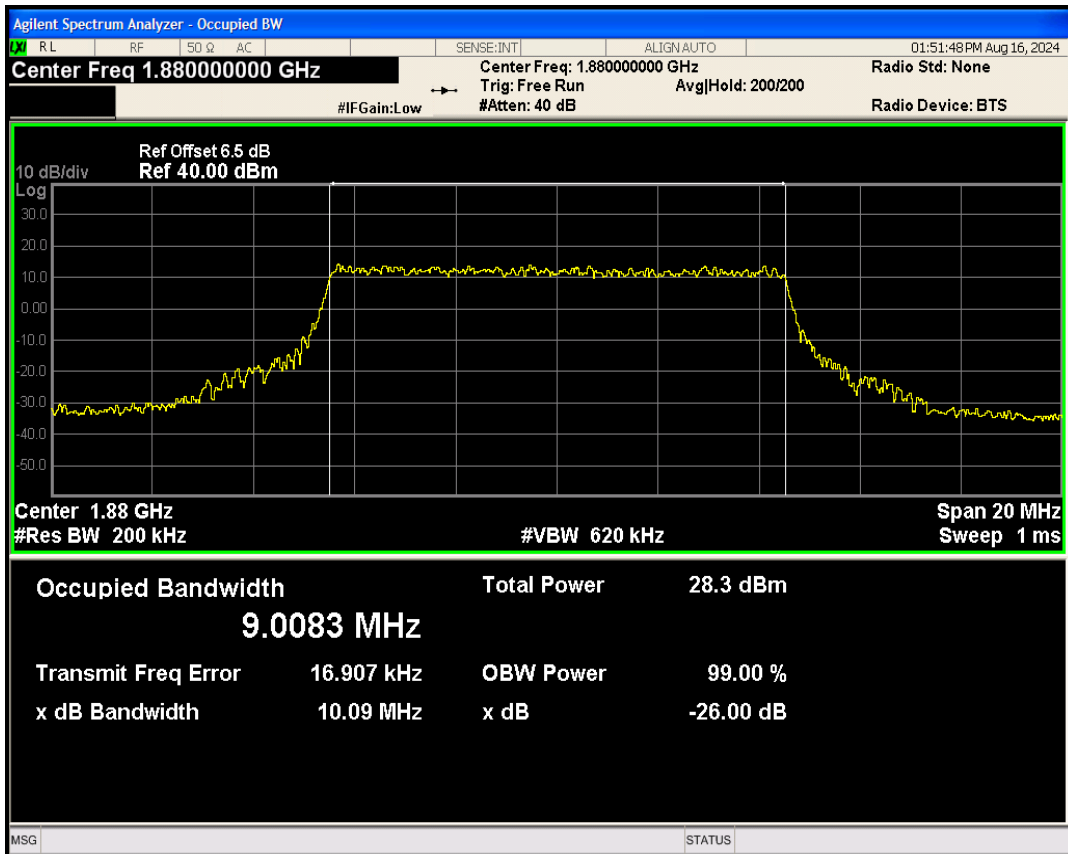
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



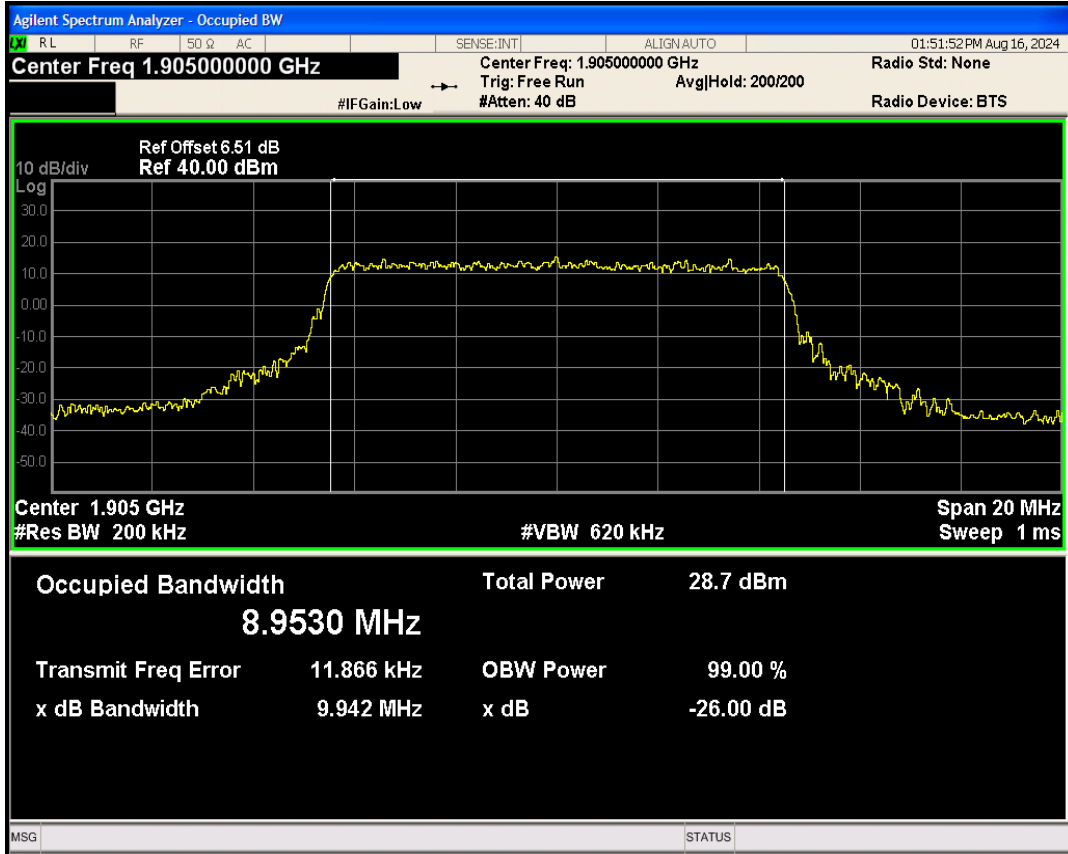
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



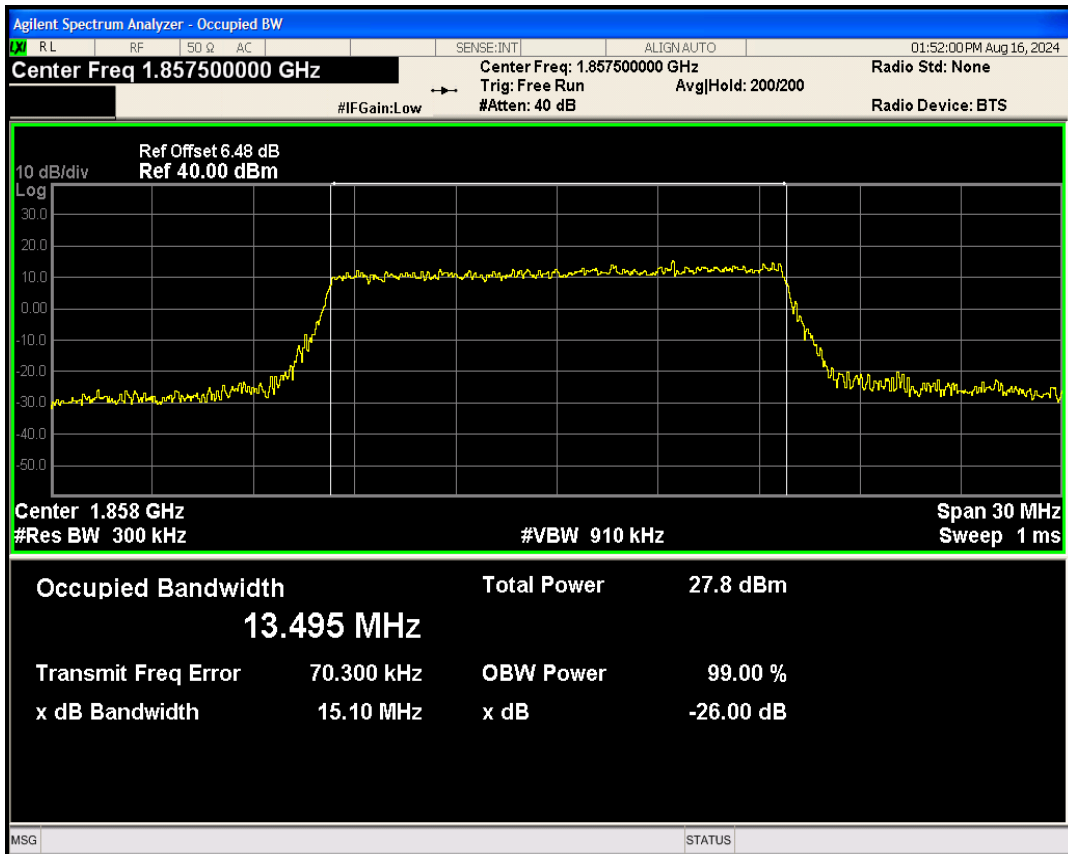
Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



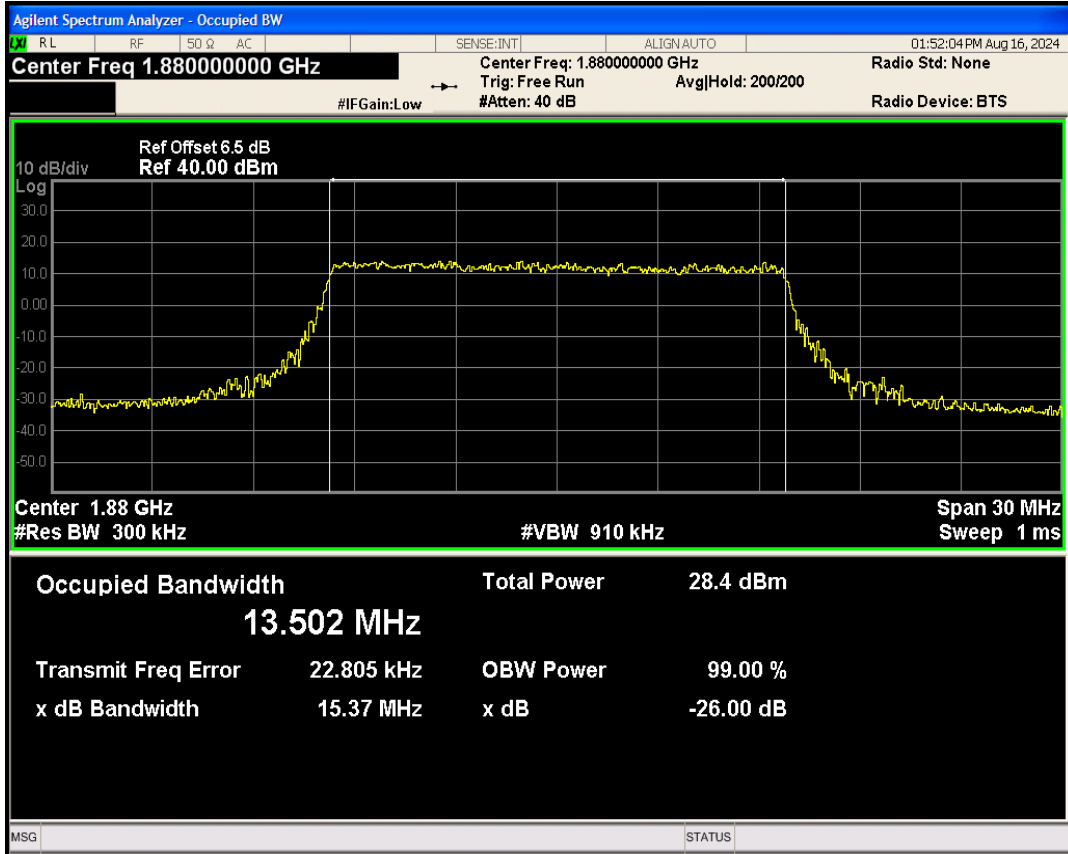
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



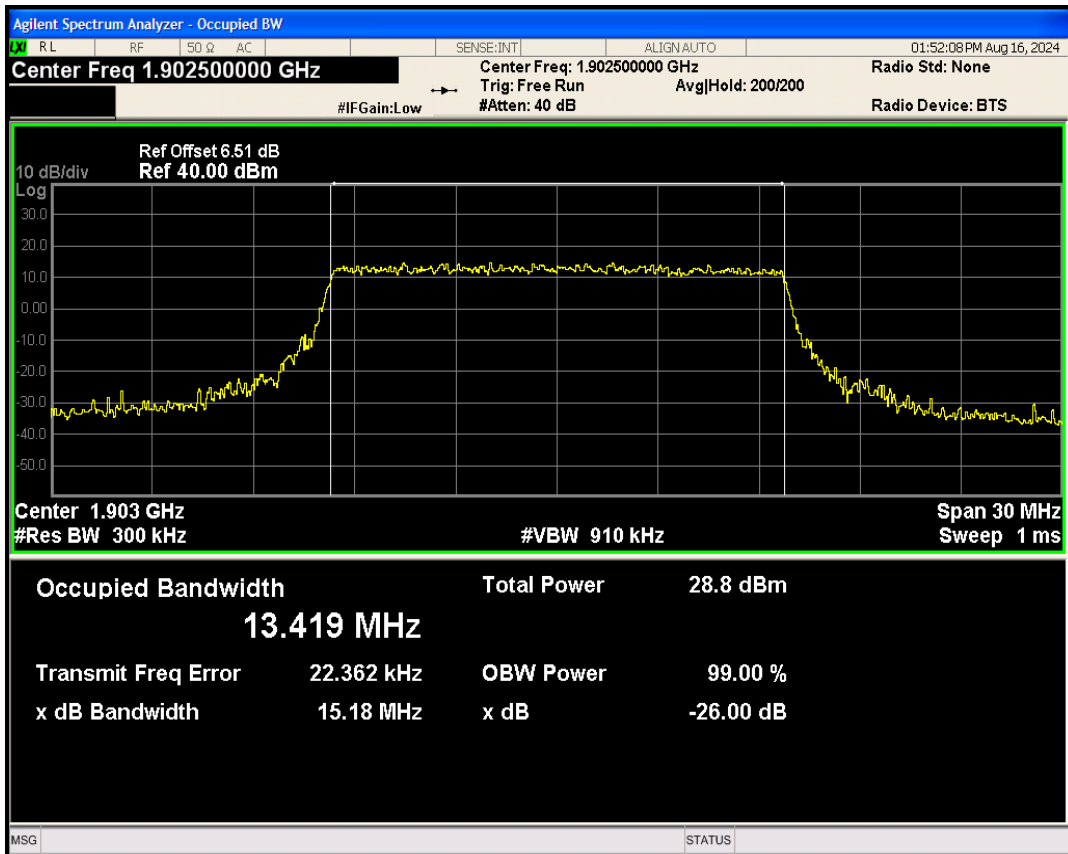
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



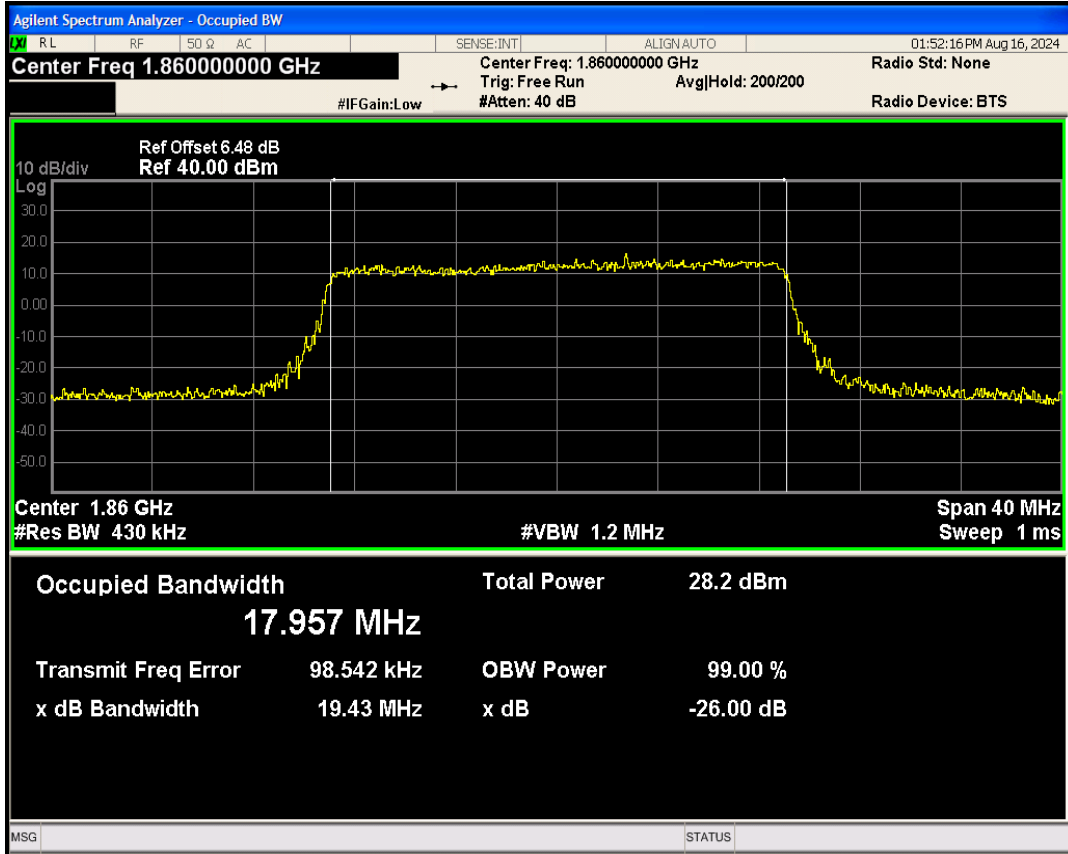
Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0



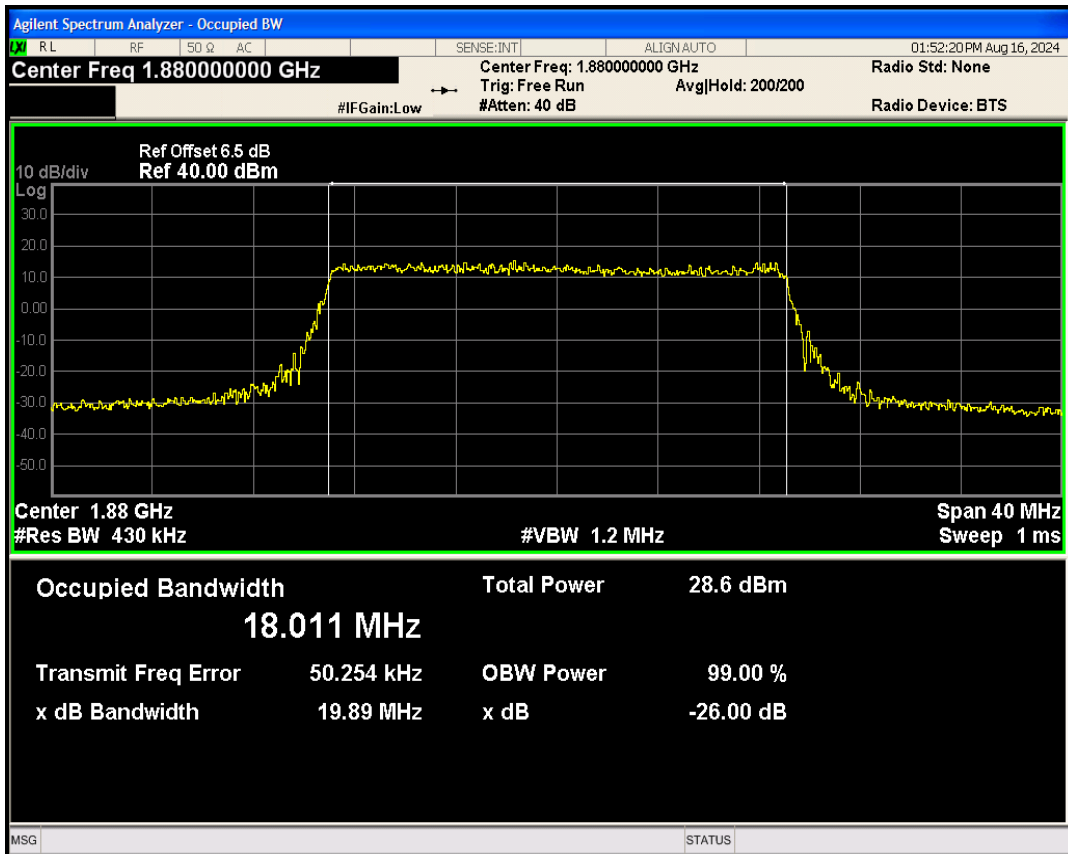
Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



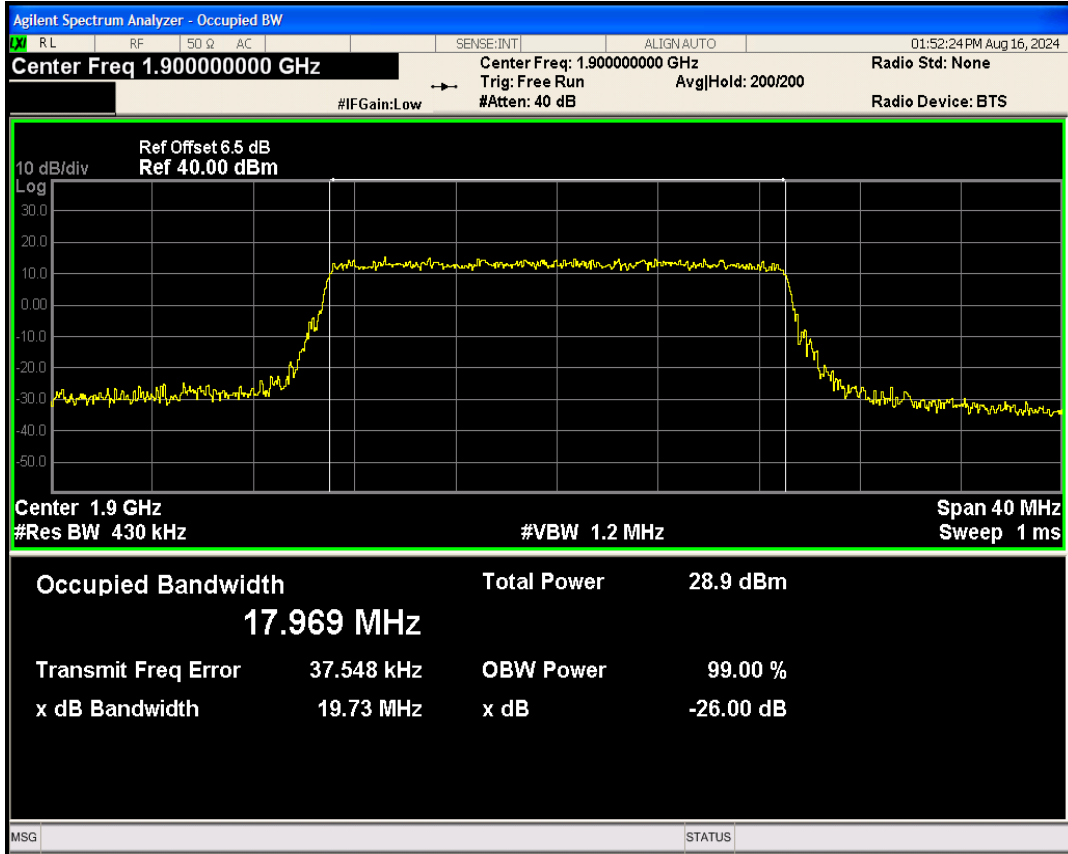
Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



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



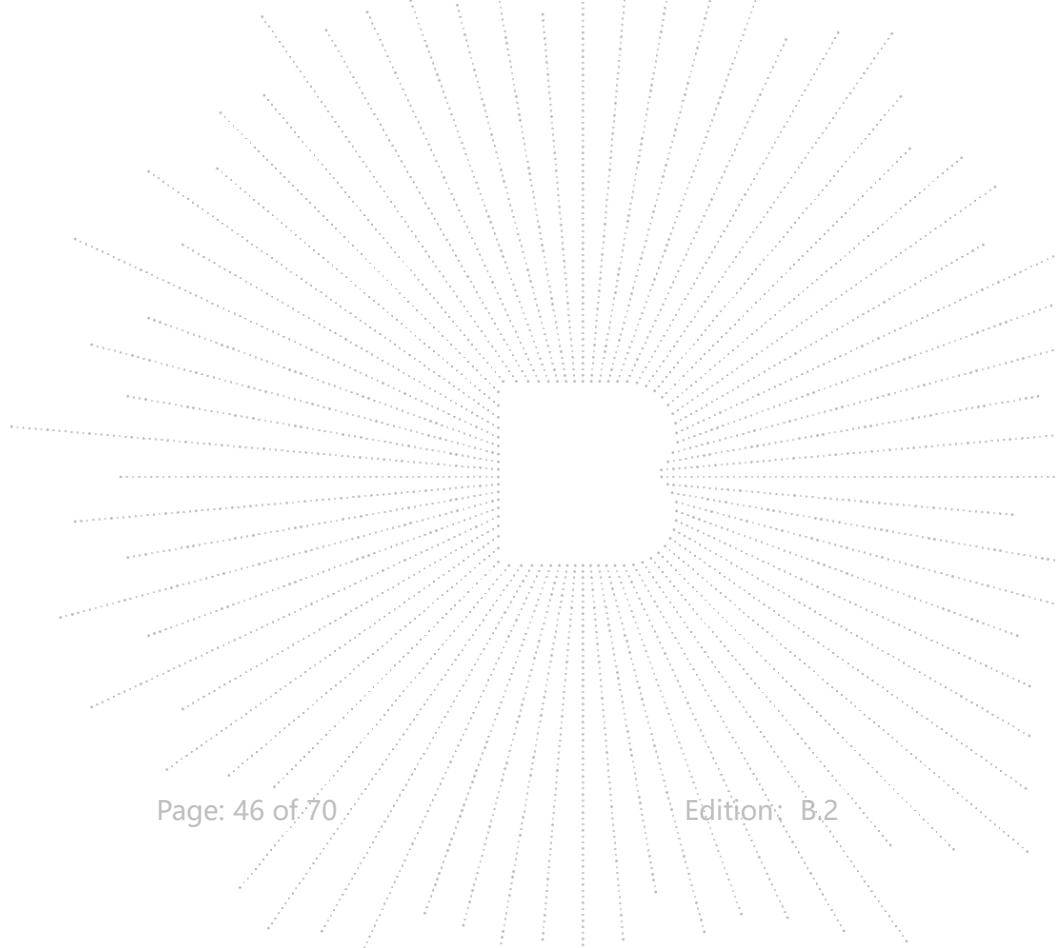
Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0

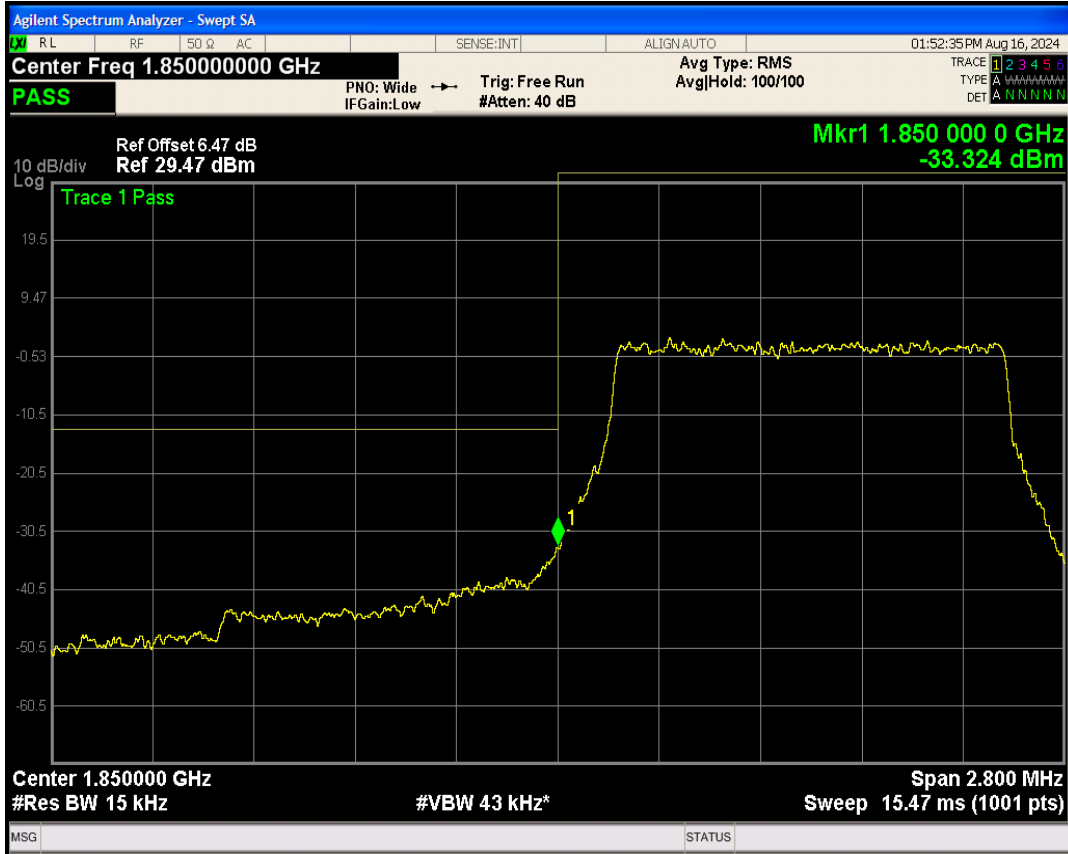


Appendix 5. Band edge

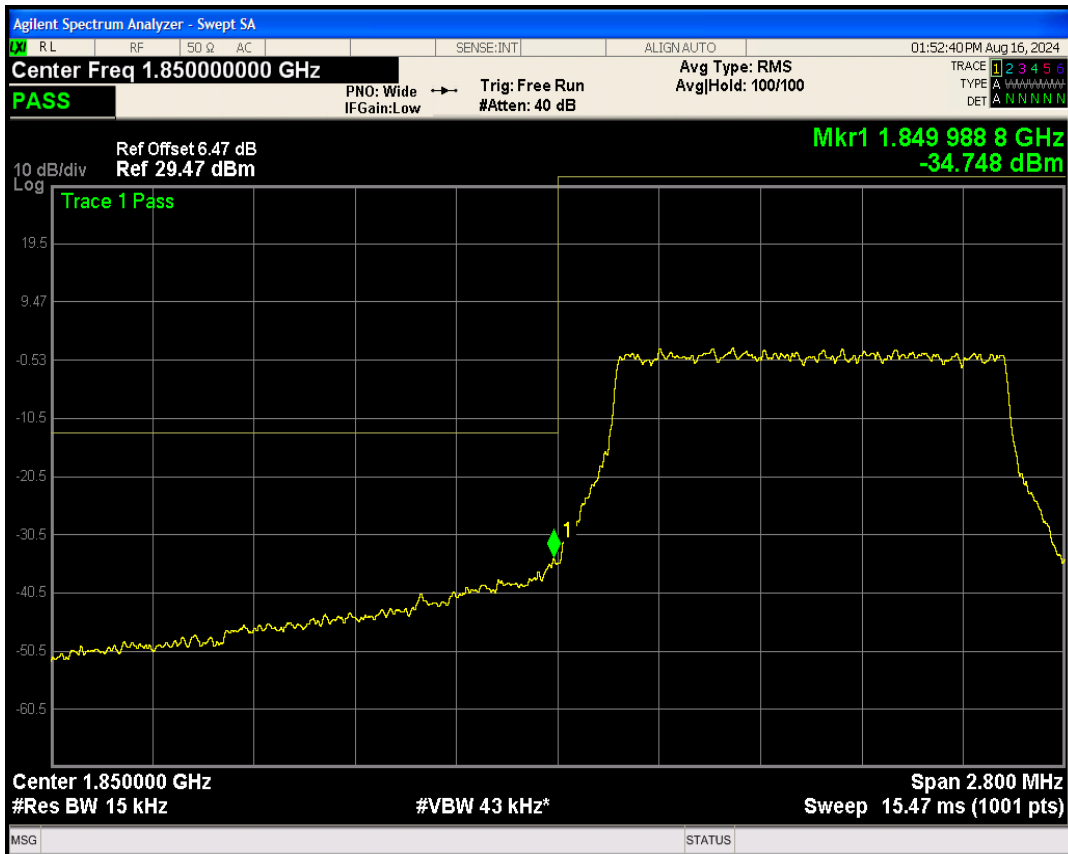
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band2	1.4	18607	6	#0	QPSK	1850.00	-33.32	-13	PASS
Band2	1.4	18607	6	#0	16QAM	1849.99	-34.74	-13	PASS
Band2	1.4	19193	6	#0	QPSK	1910.00	-32.83	-13	PASS
Band2	1.4	19193	6	#0	16QAM	1910.00	-33.52	-13	PASS
Band2	3	18615	15	#0	QPSK	1849.99	-30.93	-13	PASS
Band2	3	18615	15	#0	16QAM	1850.00	-32.63	-13	PASS
Band2	3	19185	15	#0	QPSK	1910.00	-31.35	-13	PASS
Band2	3	19185	15	#0	16QAM	1910.00	-32.22	-13	PASS
Band2	5	18625	25	#0	QPSK	1850.00	-29.54	-13	PASS
Band2	5	18625	25	#0	16QAM	1849.96	-32.74	-13	PASS
Band2	5	19175	25	#0	QPSK	1910.02	-29.92	-13	PASS
Band2	5	19175	25	#0	16QAM	1910.02	-31.73	-13	PASS
Band2	10	18650	50	#0	QPSK	1849.94	-31.70	-13	PASS
Band2	10	19150	50	#0	QPSK	1910.02	-30.98	-13	PASS
Band2	15	18675	75	#0	QPSK	1849.88	-33.75	-13	PASS
Band2	15	19125	75	#0	QPSK	1910.00	-32.61	-13	PASS
Band2	20	18700	100	#0	QPSK	1849.60	-36.97	-13	PASS
Band2	20	19100	100	#0	QPSK	1910.24	-37.48	-13	PASS

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

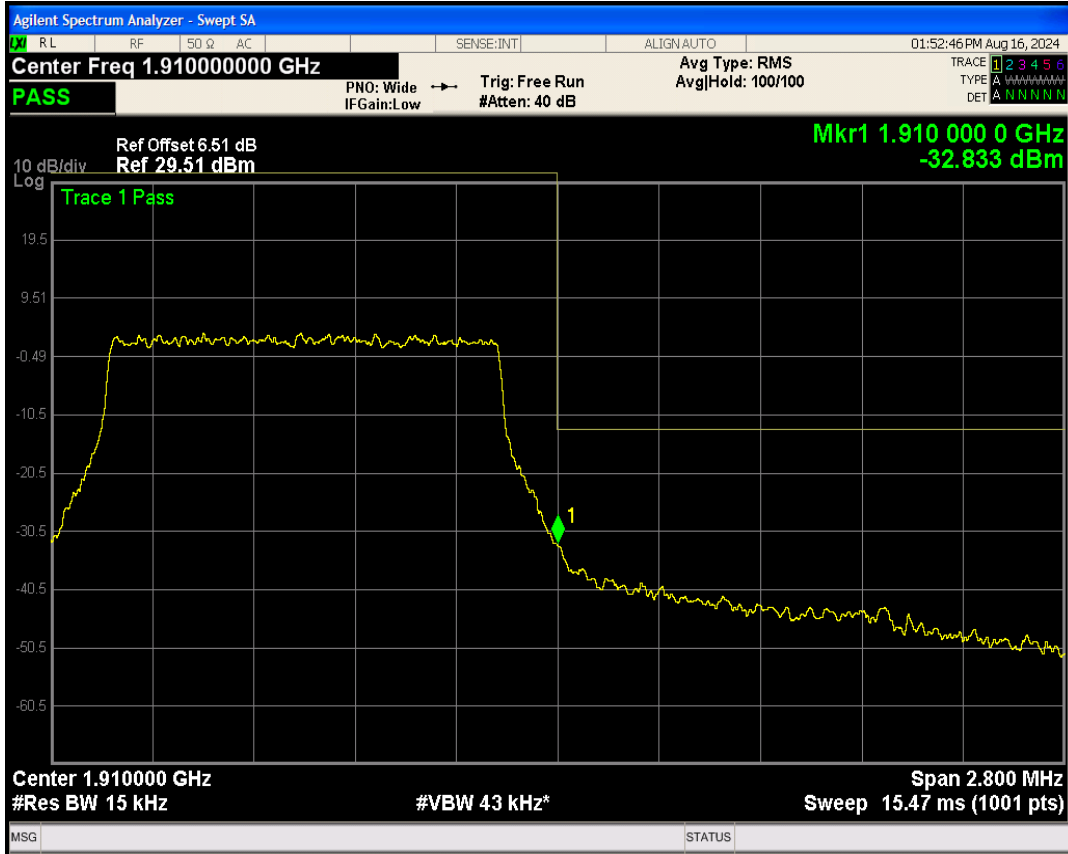




Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



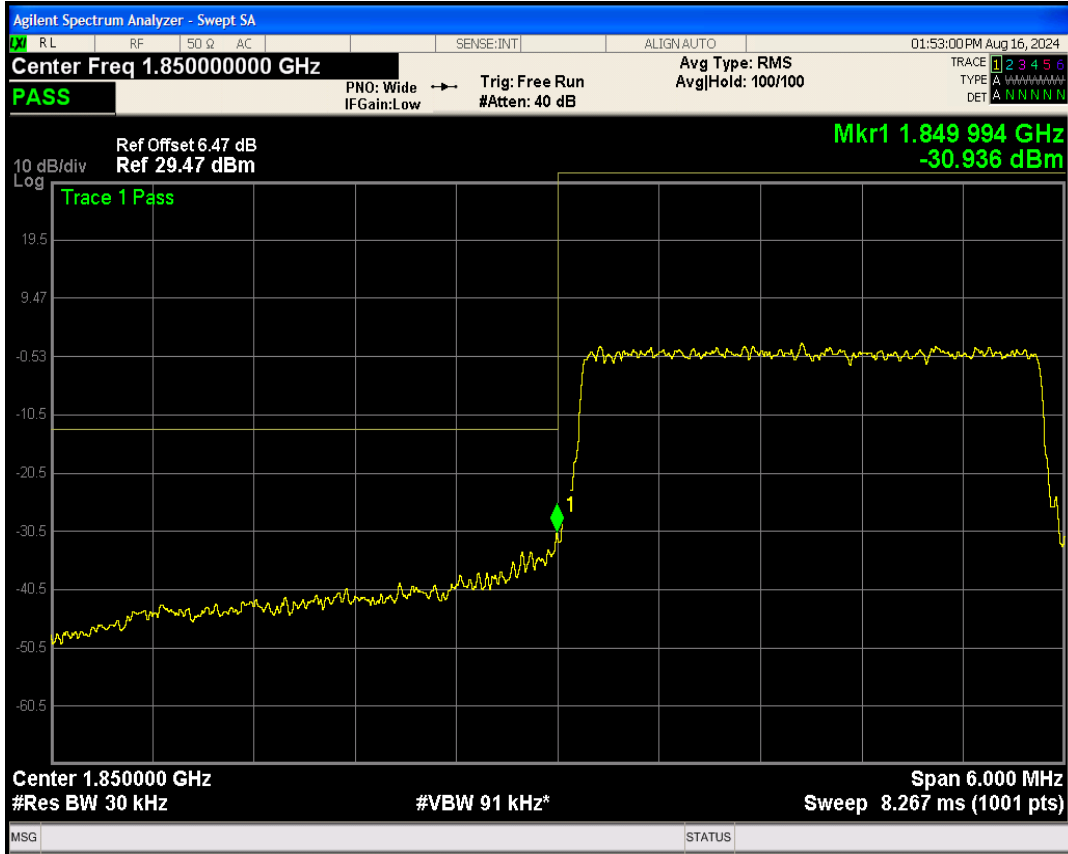
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



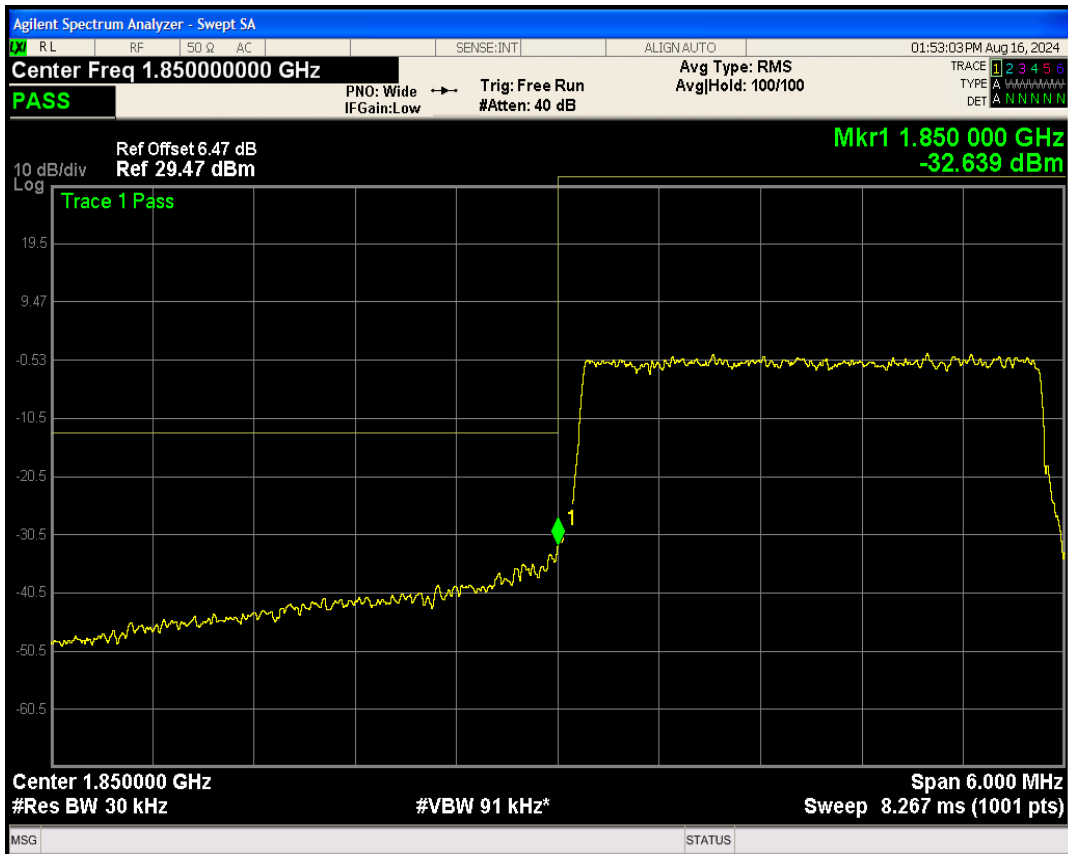
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



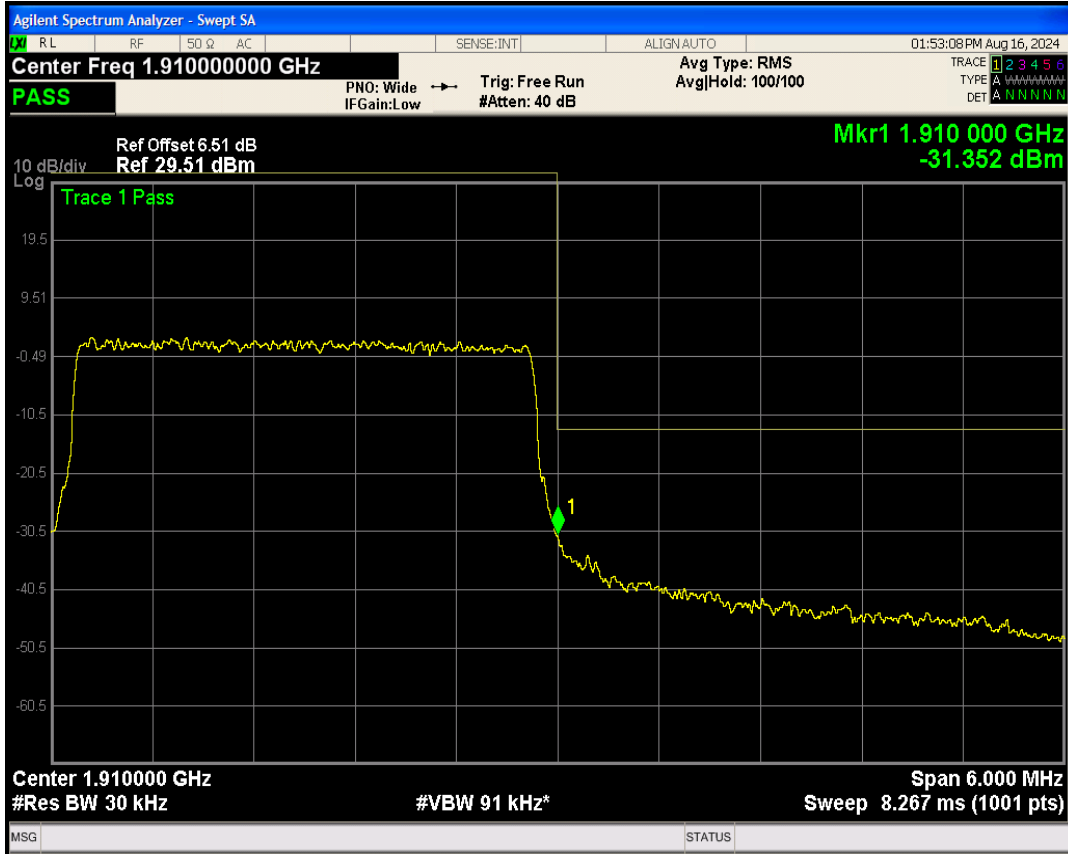
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



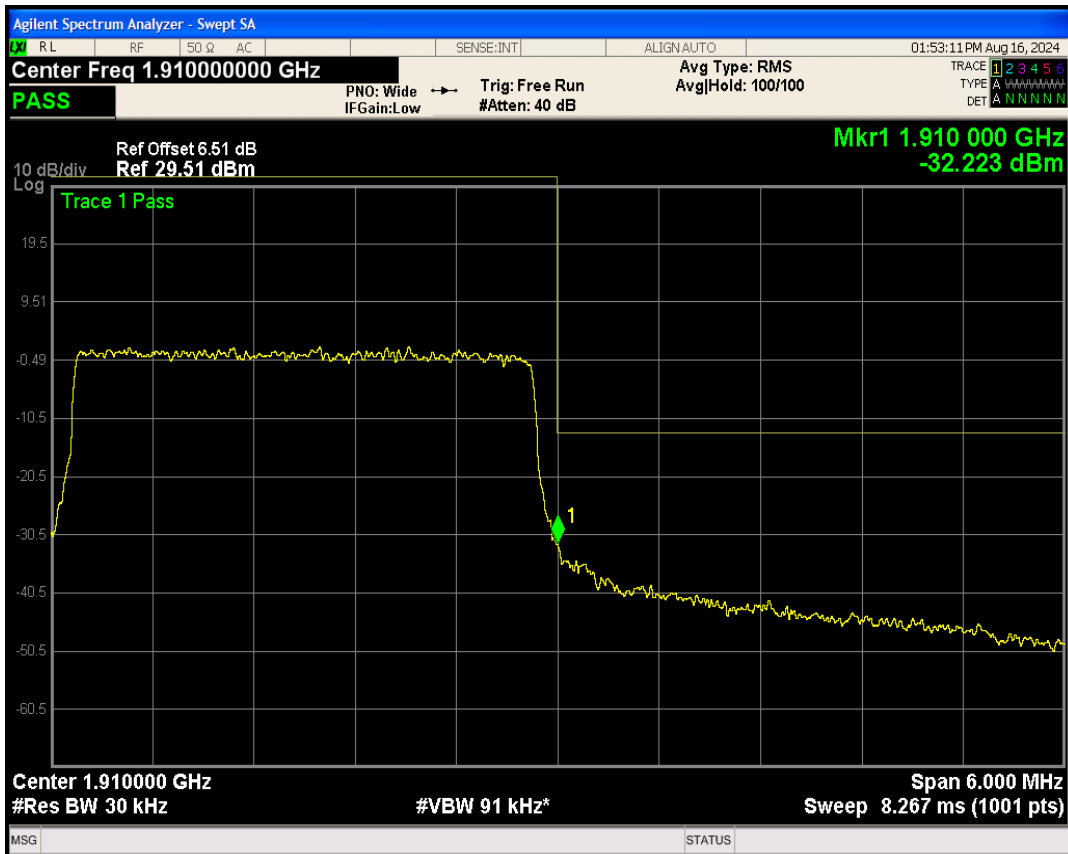
Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



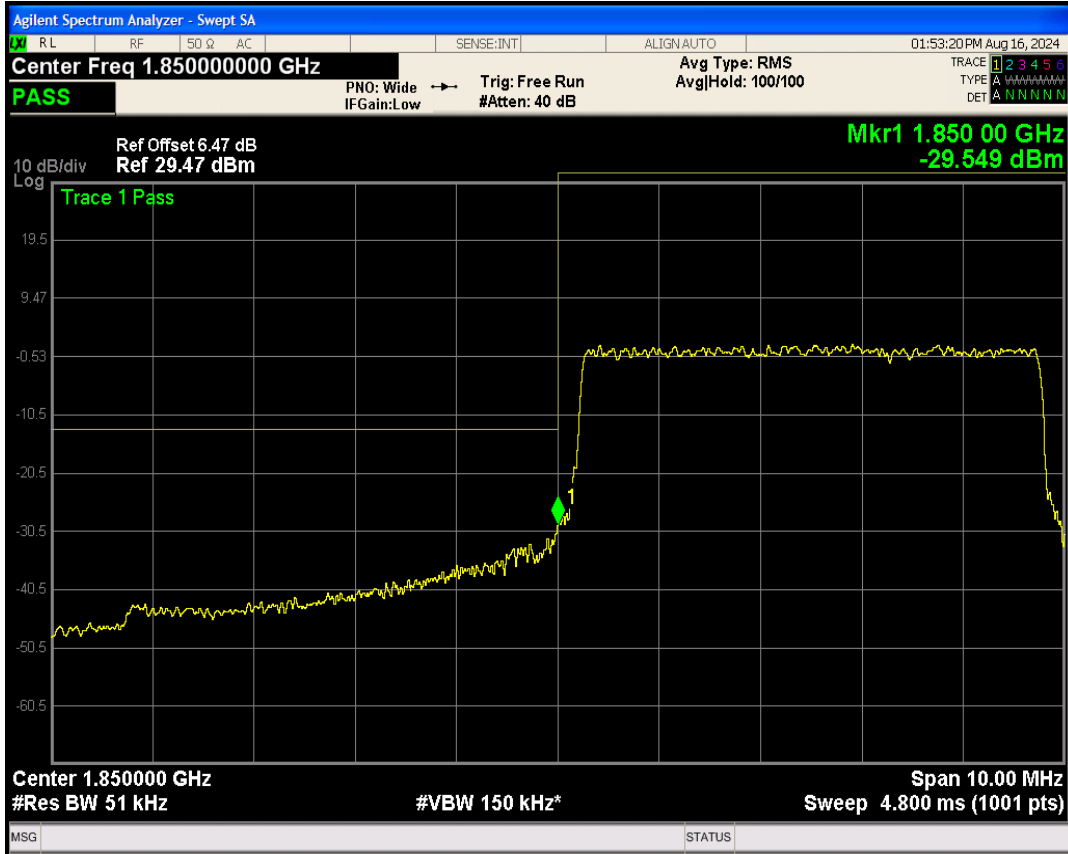
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



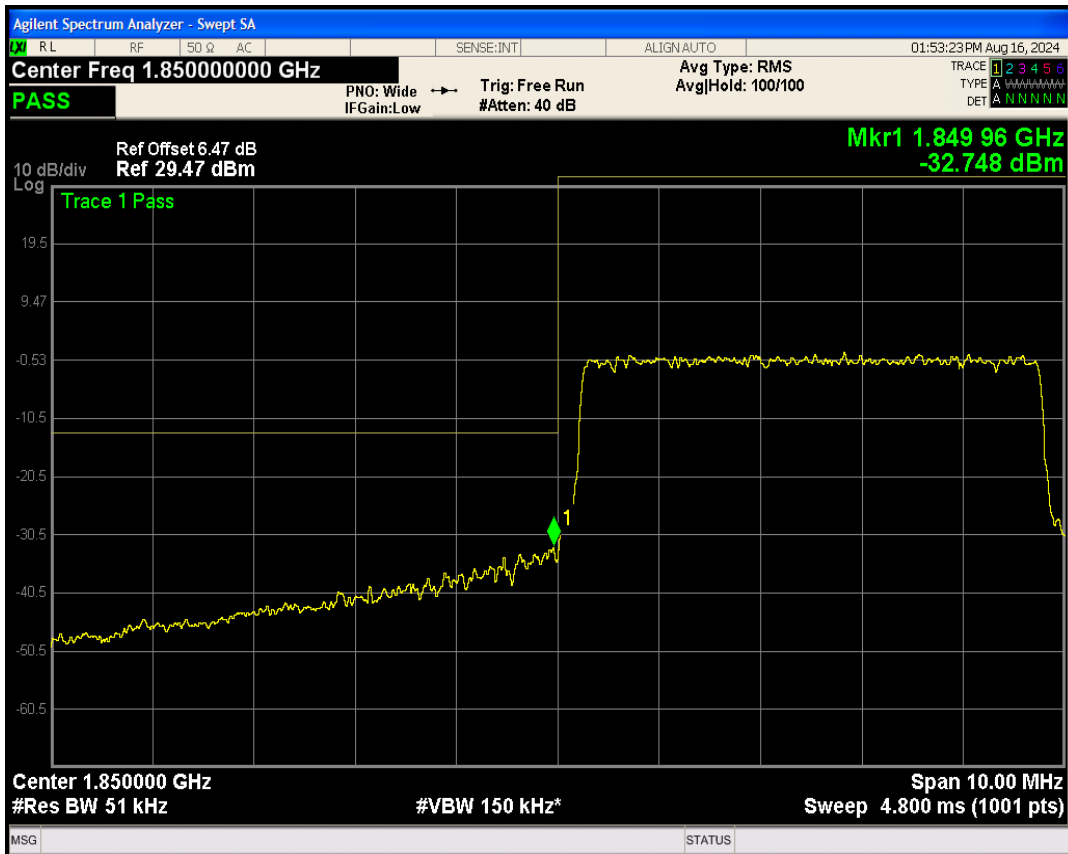
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



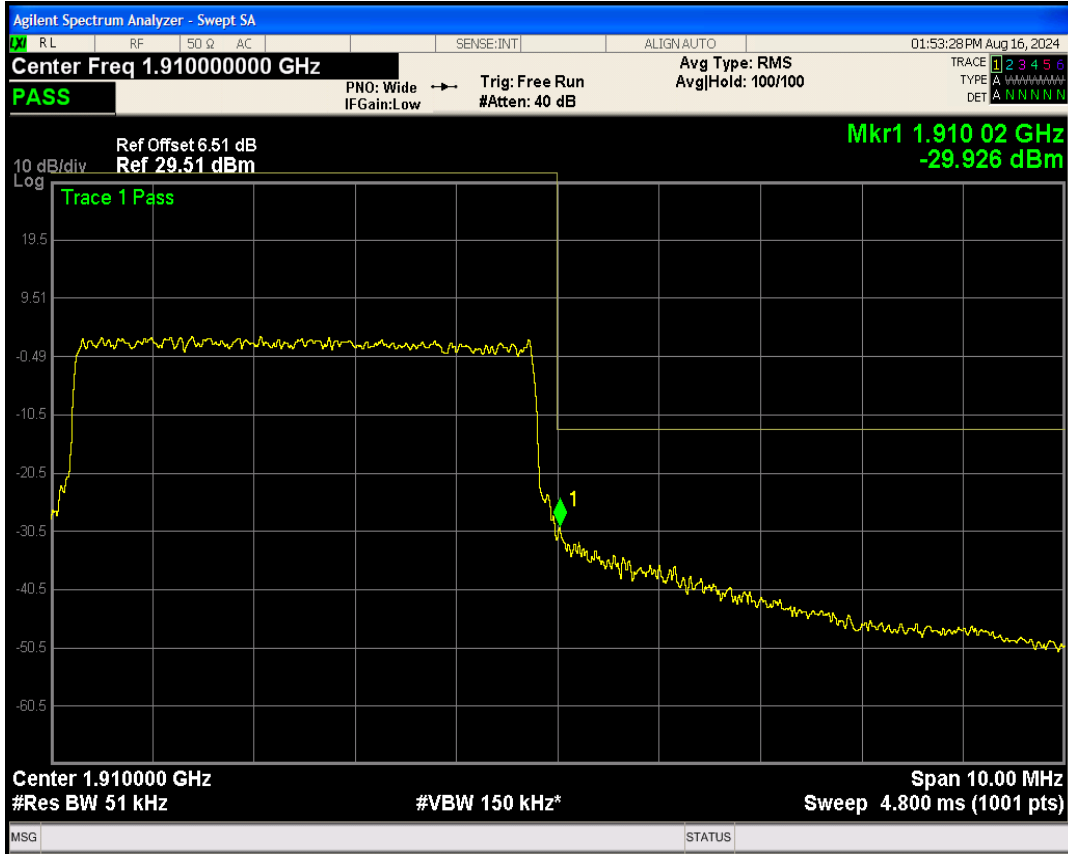
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



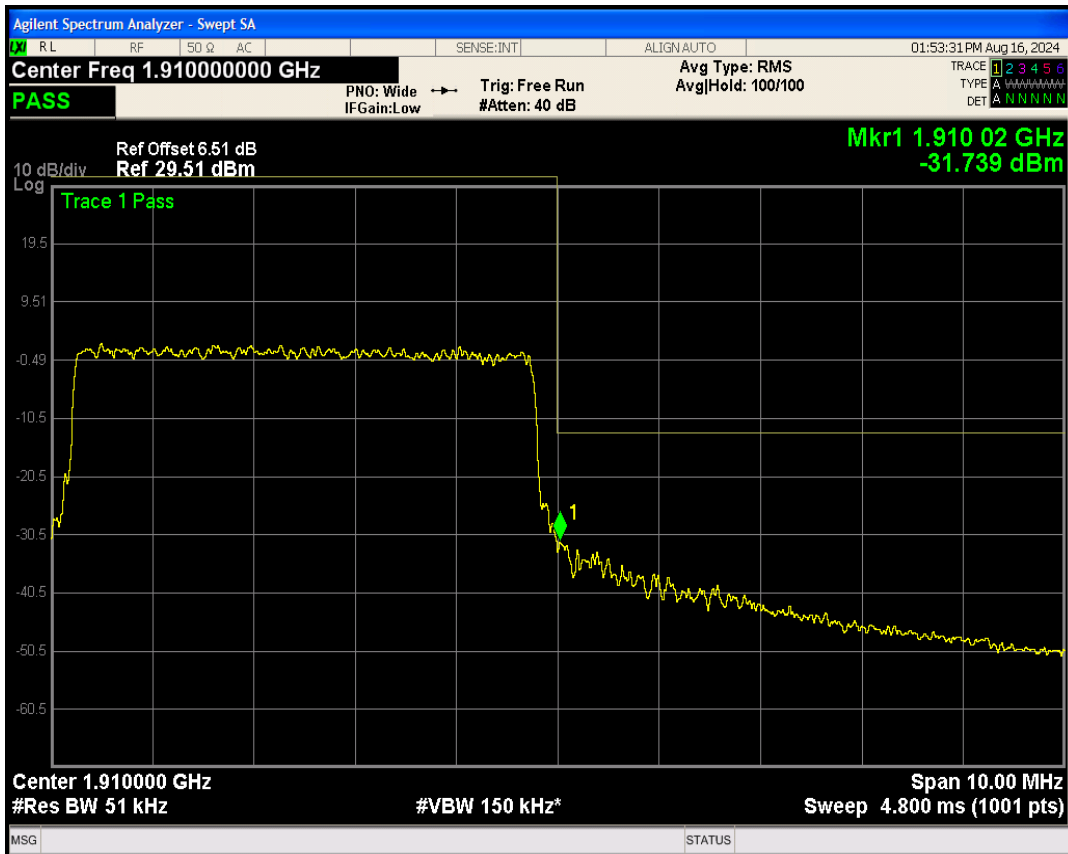
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



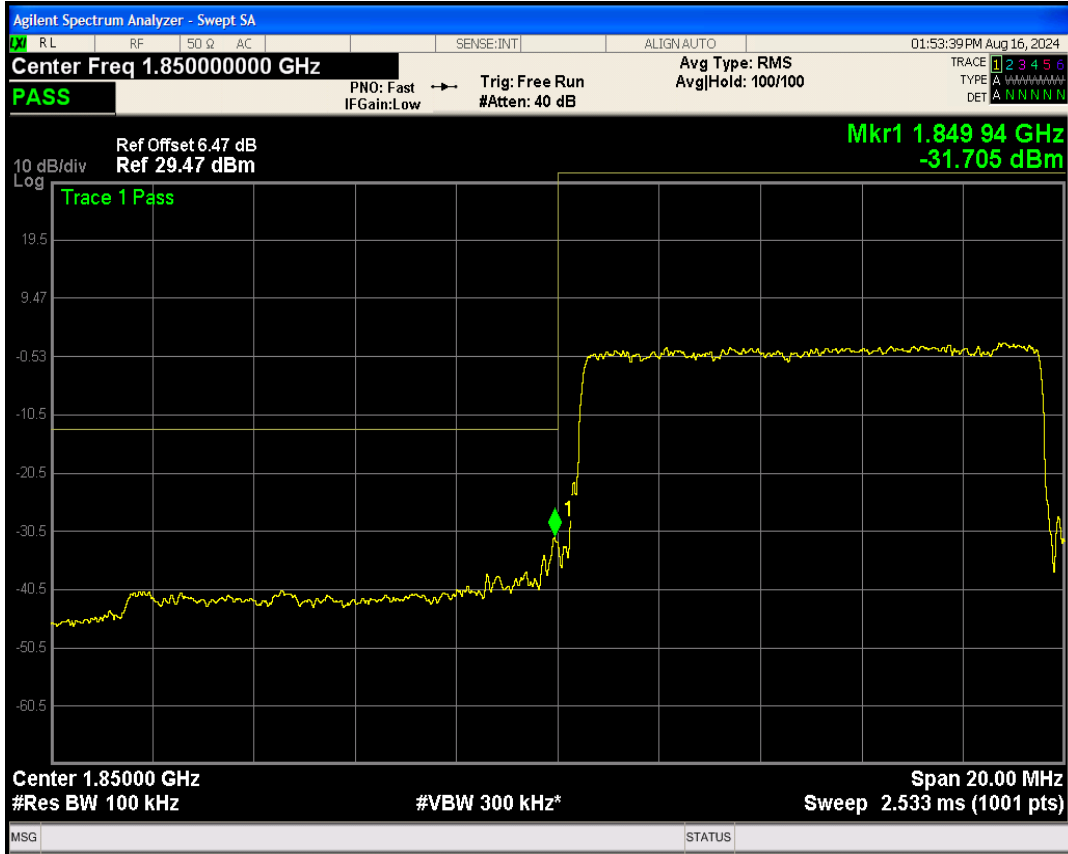
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



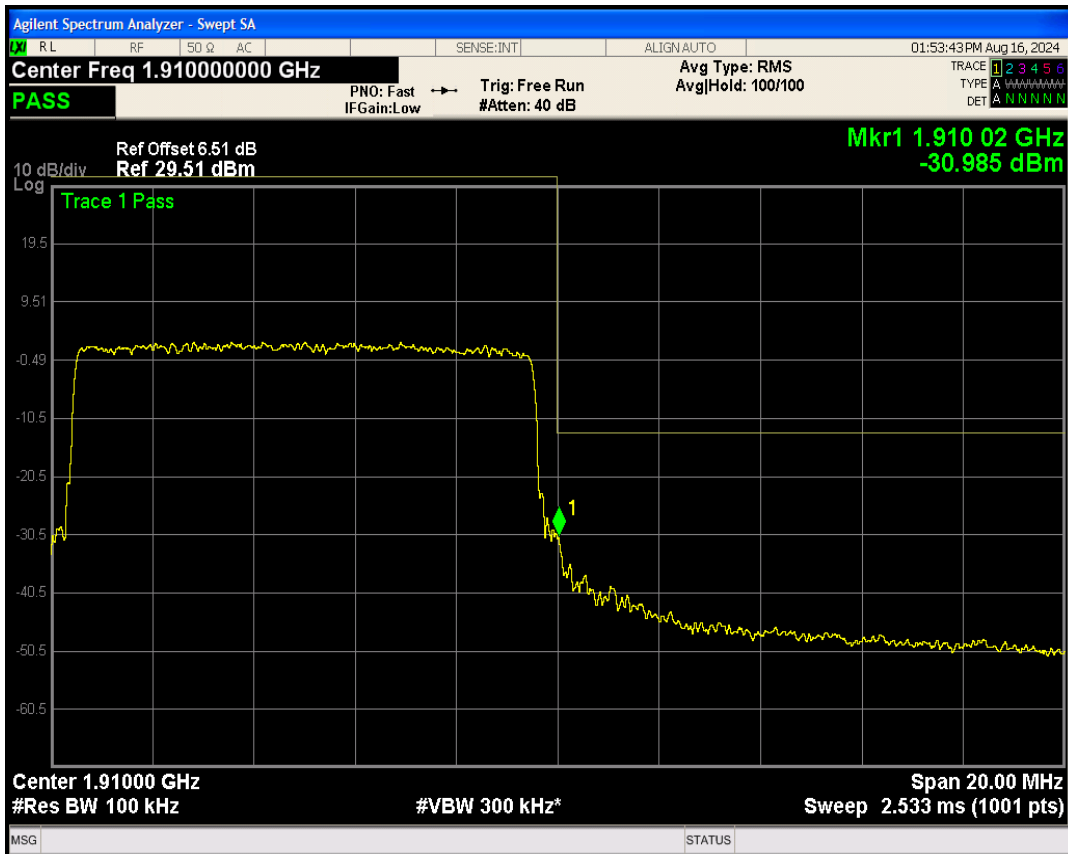
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



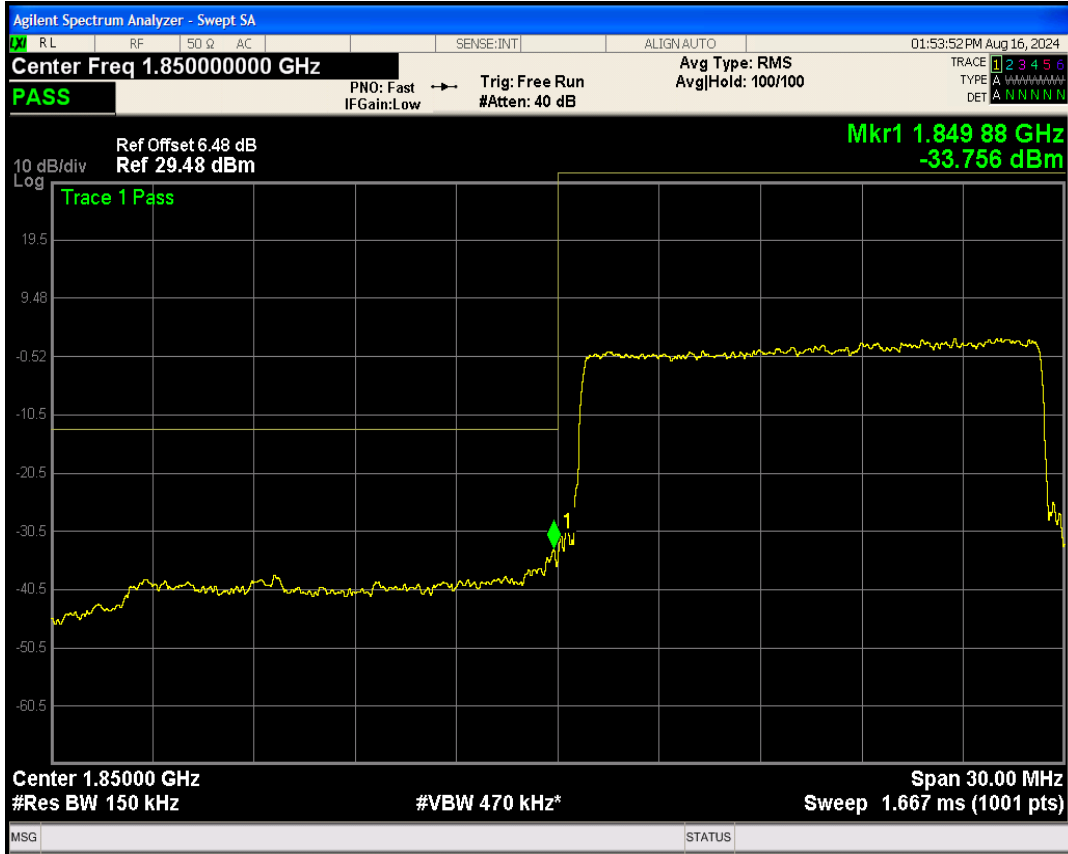
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



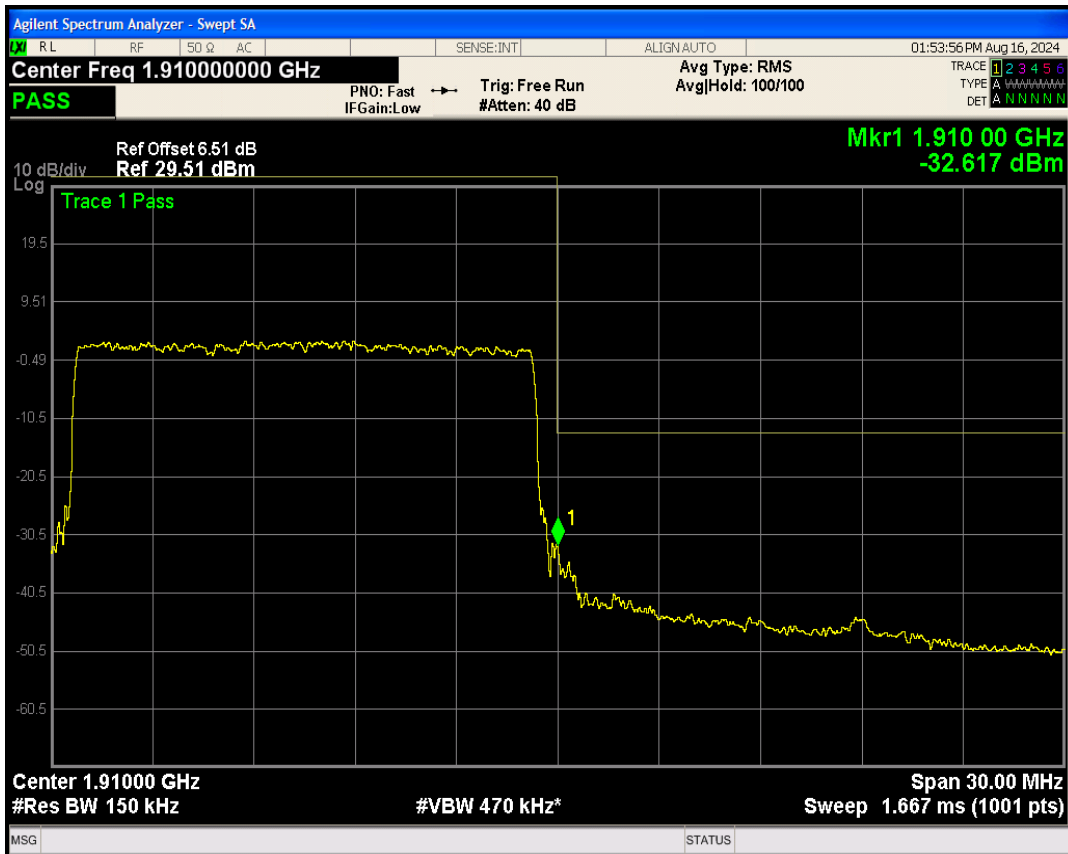
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



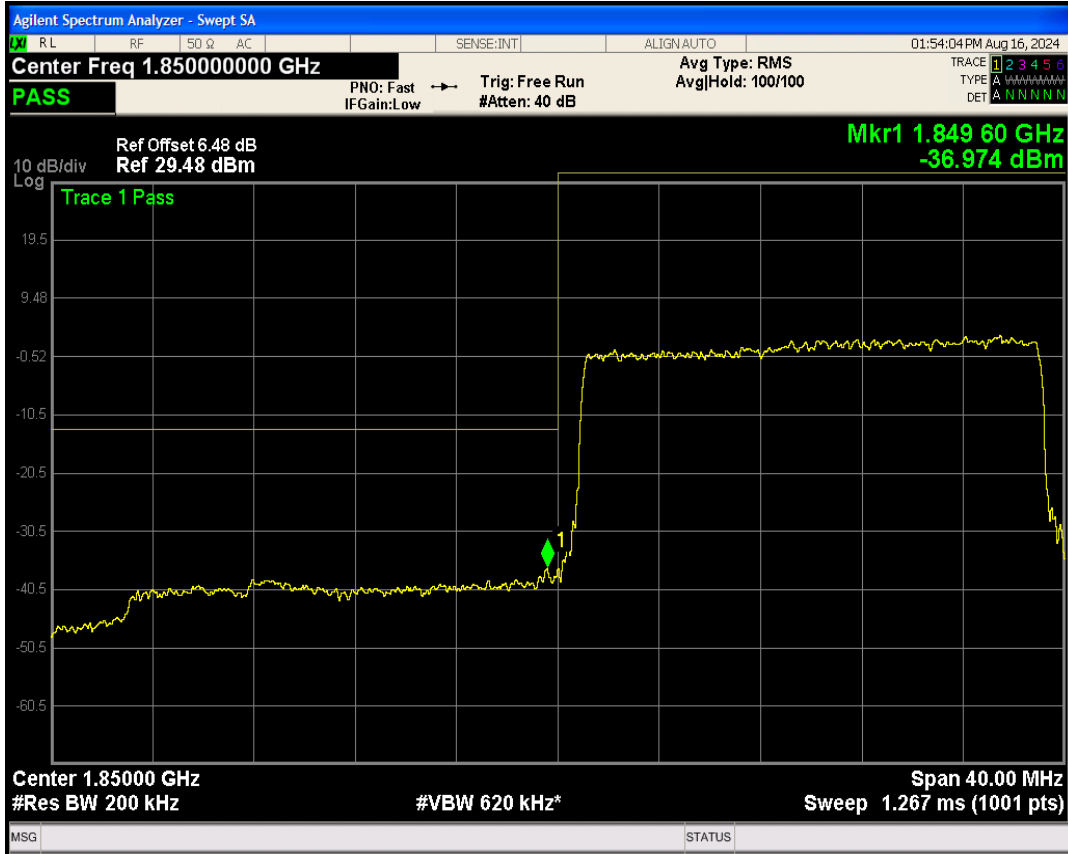
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



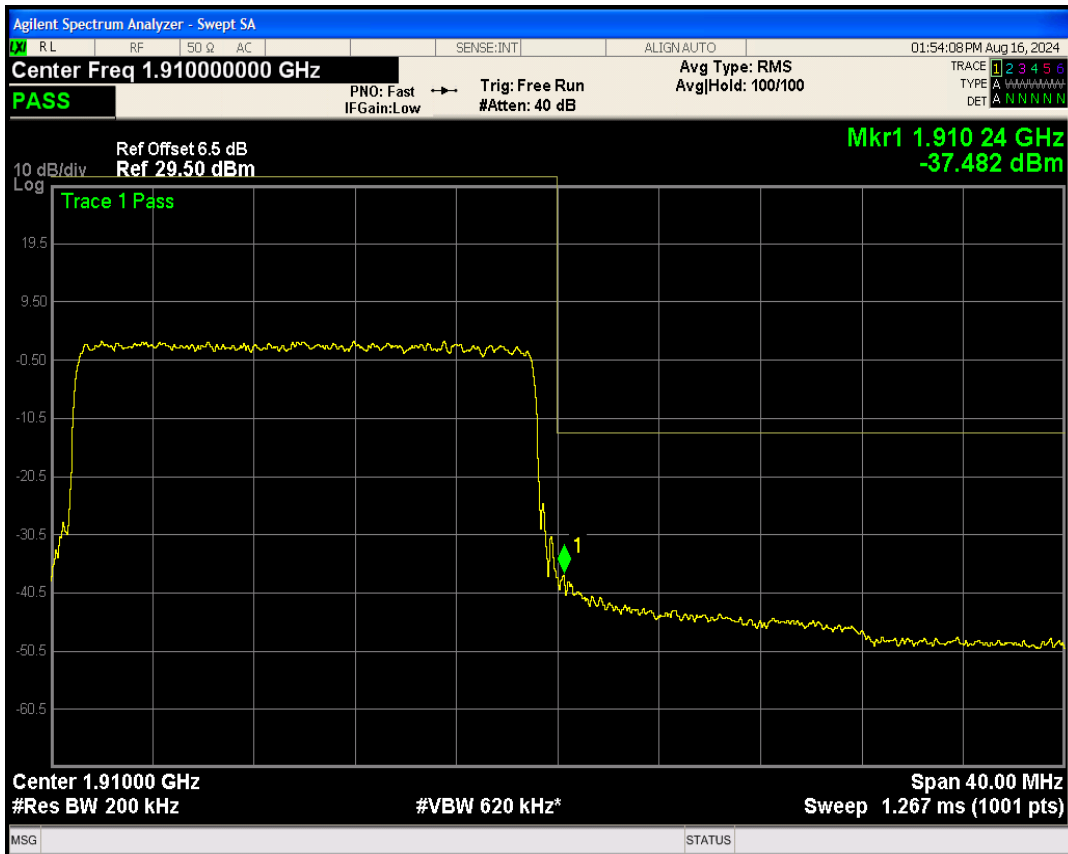
Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



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



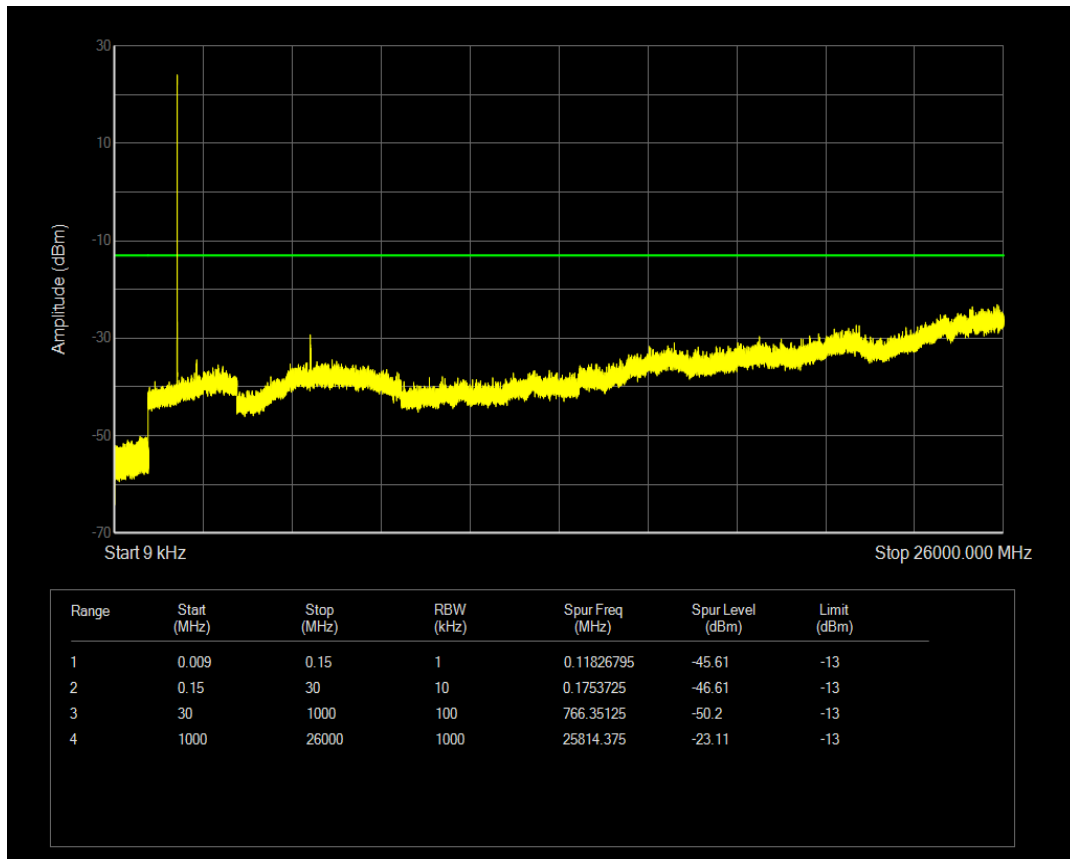
Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0



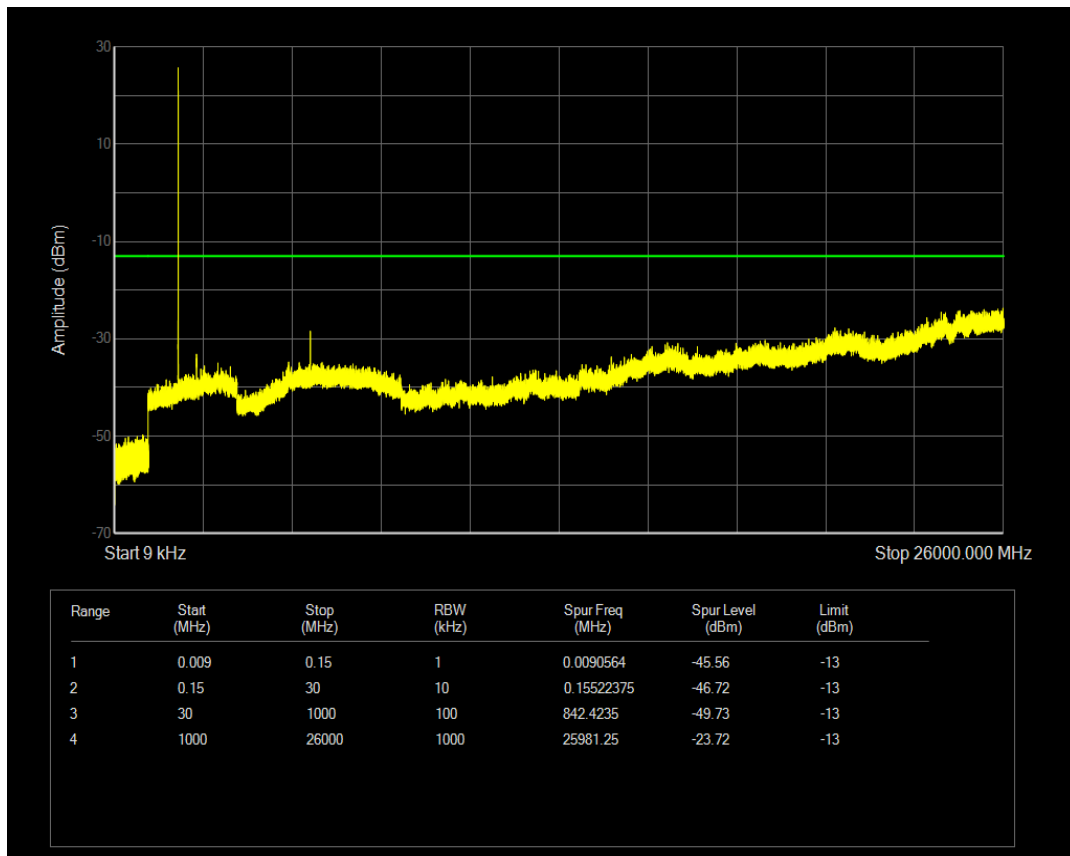
Appendix 6. Out-of-band emissions

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	25581.25	-23.23	-13	PASS
Band2	1.4	18607	6	#0	16QAM	25814.38	-23.11	-13	PASS
Band2	1.4	18900	6	#0	QPSK	25959.38	-23.46	-13	PASS
Band2	1.4	18900	6	#0	16QAM	25981.25	-23.72	-13	PASS
Band2	1.4	19193	6	#0	QPSK	25668.75	-22.86	-13	PASS
Band2	1.4	19193	6	#0	16QAM	25008.75	-23.56	-13	PASS
Band2	3	18615	15	#0	QPSK	25618.75	-23.43	-13	PASS
Band2	3	18615	15	#0	16QAM	25795.63	-22.78	-13	PASS
Band2	3	18900	15	#0	QPSK	25994.38	-22.96	-13	PASS
Band2	3	18900	15	#0	16QAM	25770.00	-23.62	-13	PASS
Band2	3	19185	15	#0	QPSK	25638.13	-23.50	-13	PASS
Band2	3	19185	15	#0	16QAM	25803.13	-22.83	-13	PASS
Band2	5	18625	25	#0	QPSK	25997.50	-23.31	-13	PASS
Band2	5	18625	25	#0	16QAM	25851.88	-23.41	-13	PASS
Band2	5	18900	25	#0	QPSK	25980.00	-23.63	-13	PASS
Band2	5	18900	25	#0	16QAM	25451.25	-22.99	-13	PASS
Band2	5	19175	25	#0	QPSK	25148.13	-23.40	-13	PASS
Band2	5	19175	25	#0	16QAM	25307.50	-23.22	-13	PASS
Band2	10	18650	50	#0	QPSK	24792.50	-23.75	-13	PASS
Band2	10	18900	50	#0	QPSK	25788.13	-23.29	-13	PASS
Band2	10	19150	50	#0	QPSK	25808.13	-23.56	-13	PASS
Band2	15	18675	75	#0	QPSK	25828.75	-22.97	-13	PASS
Band2	15	18900	75	#0	QPSK	25118.13	-23.50	-13	PASS
Band2	15	19125	75	#0	QPSK	25766.25	-23.43	-13	PASS
Band2	20	18700	100	#0	QPSK	25676.88	-23.18	-13	PASS
Band2	20	18900	100	#0	QPSK	25777.50	-23.12	-13	PASS
Band2	20	19100	100	#0	QPSK	24659.38	-23.76	-13	PASS

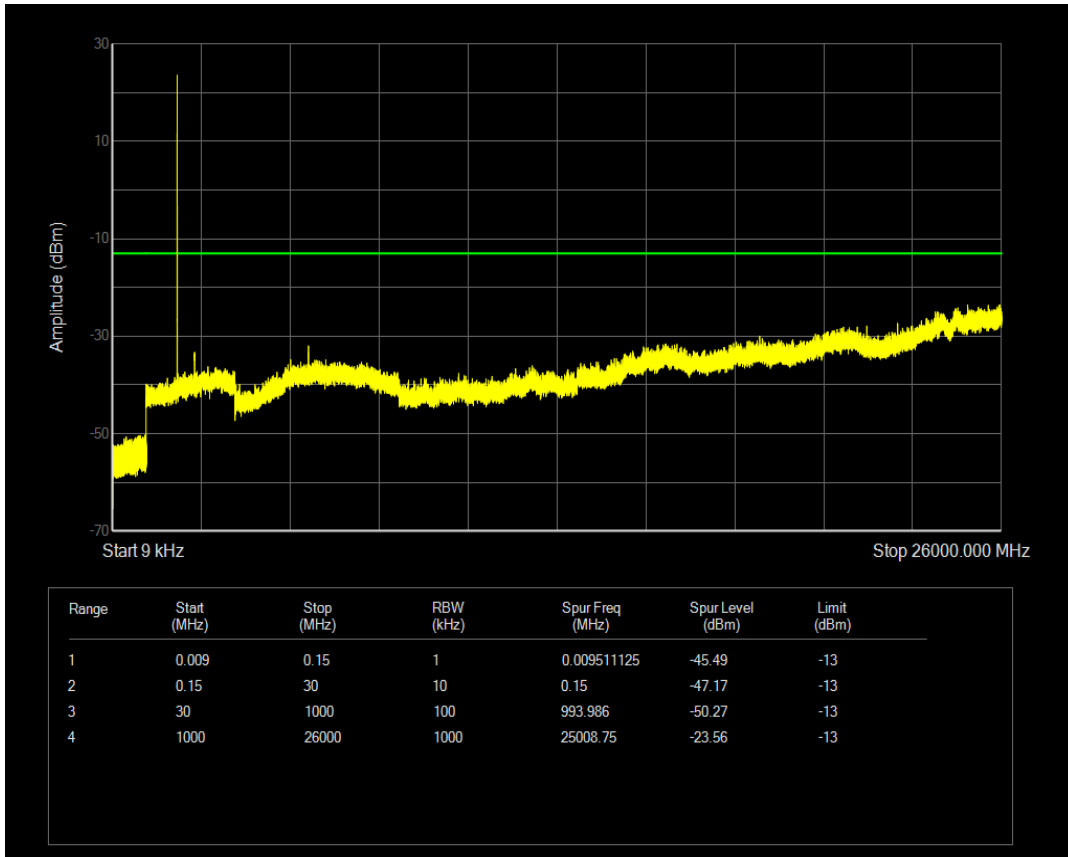
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



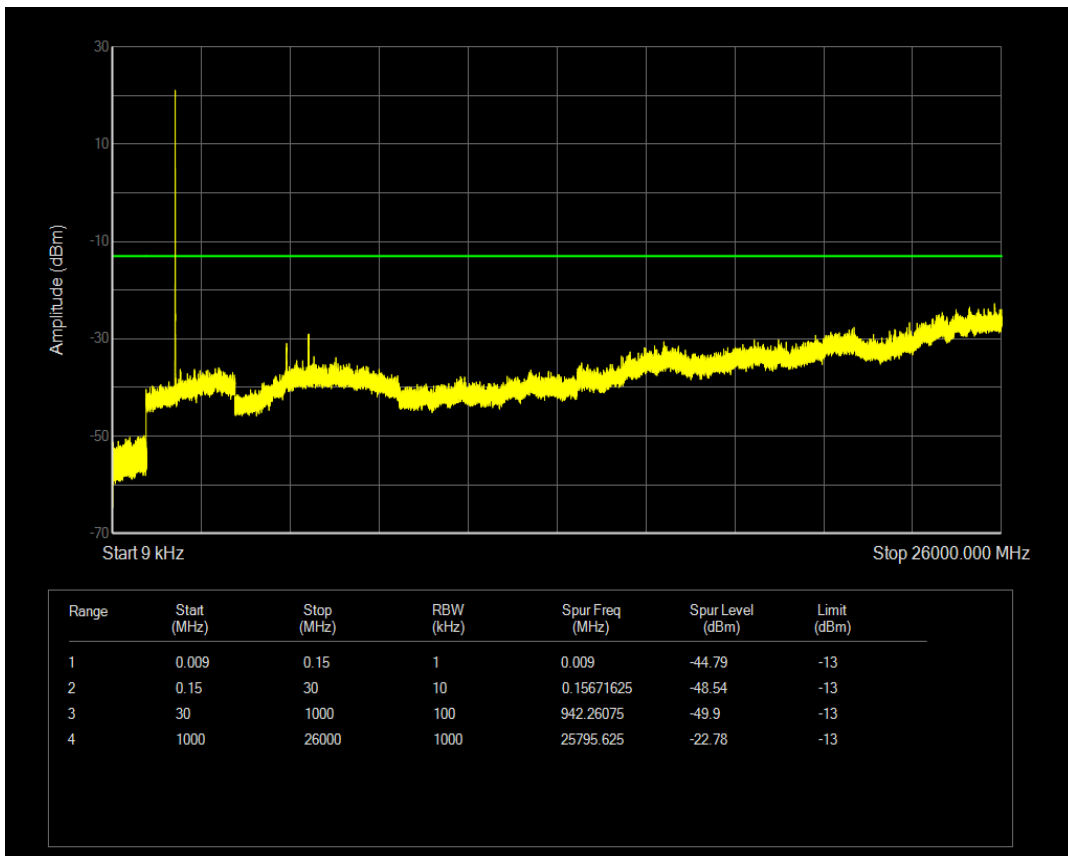
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



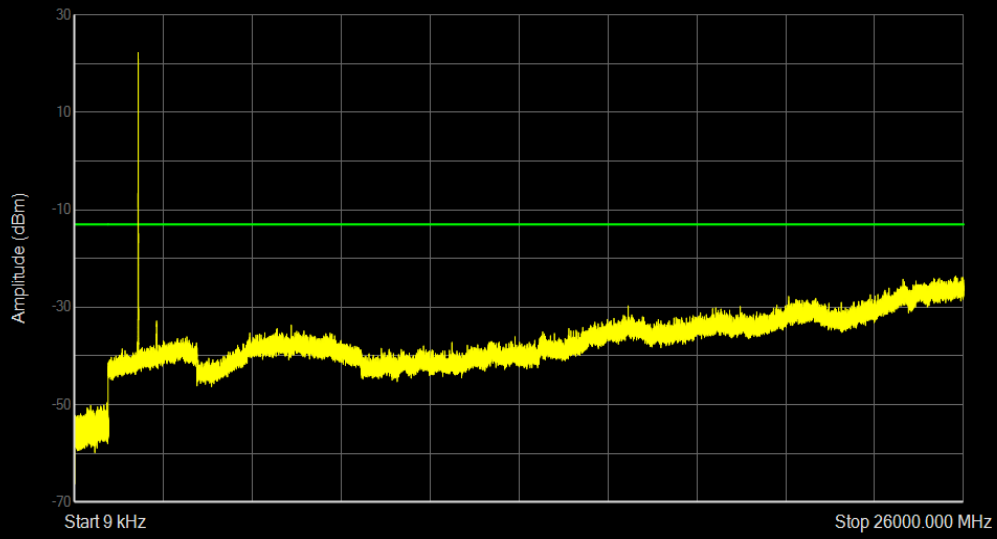
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



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

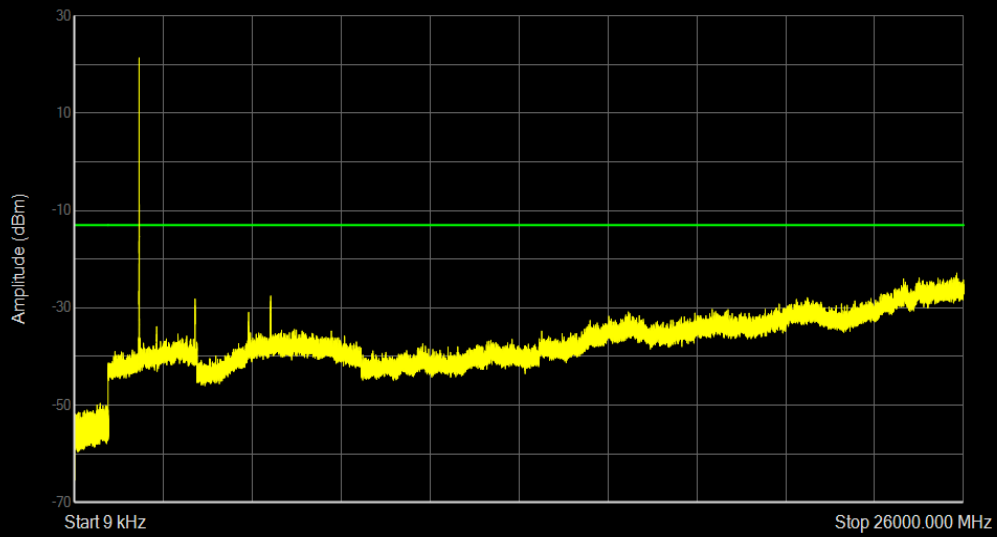


Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0



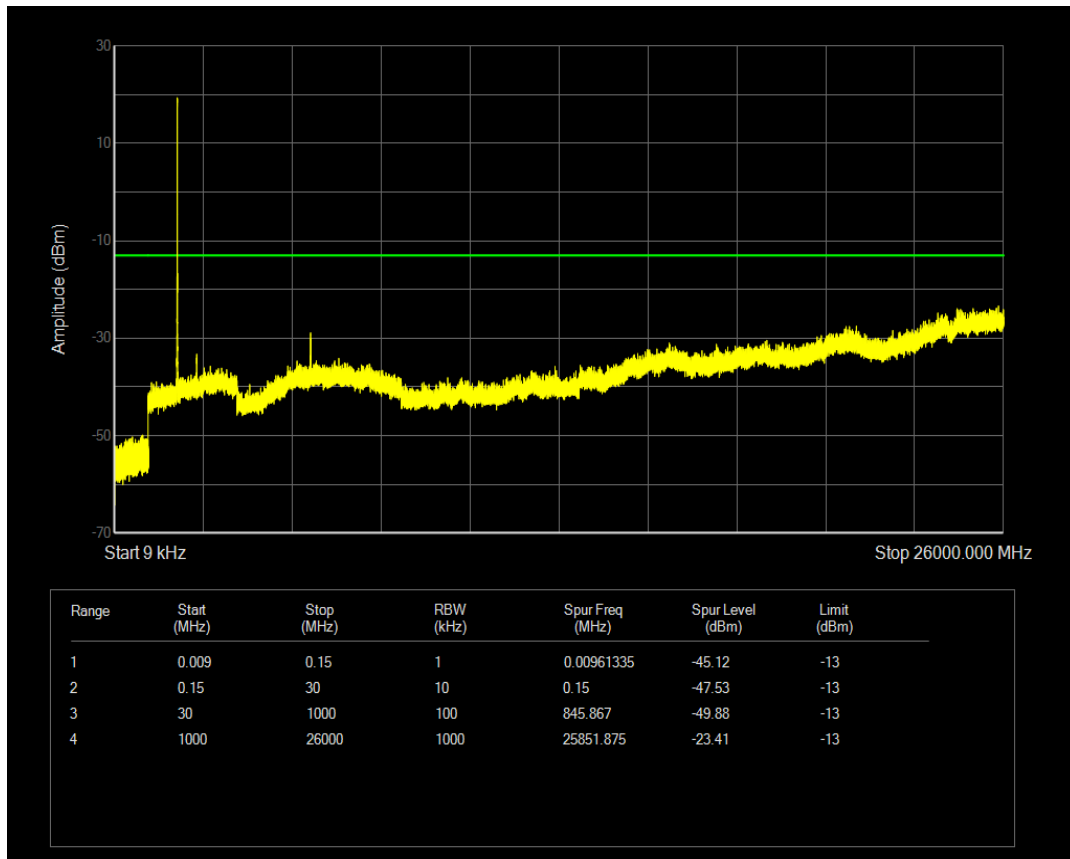
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009652125	-45.34	-13
2	0.15	30	10	0.16865625	-47.94	-13
3	30	1000	100	966.60775	-49.63	-13
4	1000	26000	1000	25770	-23.62	-13

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

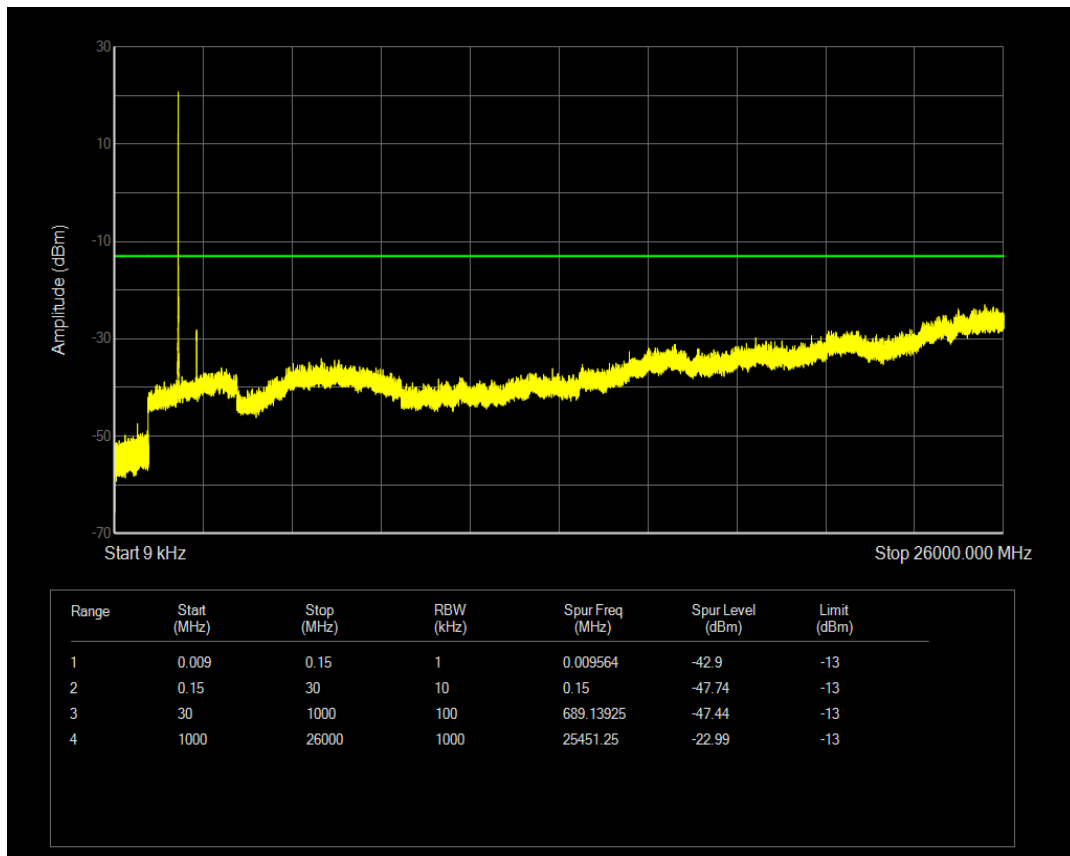


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00957105	-45.04	-13
2	0.15	30	10	0.15	-46.81	-13
3	30	1000	100	768.87325	-49.64	-13
4	1000	26000	1000	25803.125	-22.83	-13

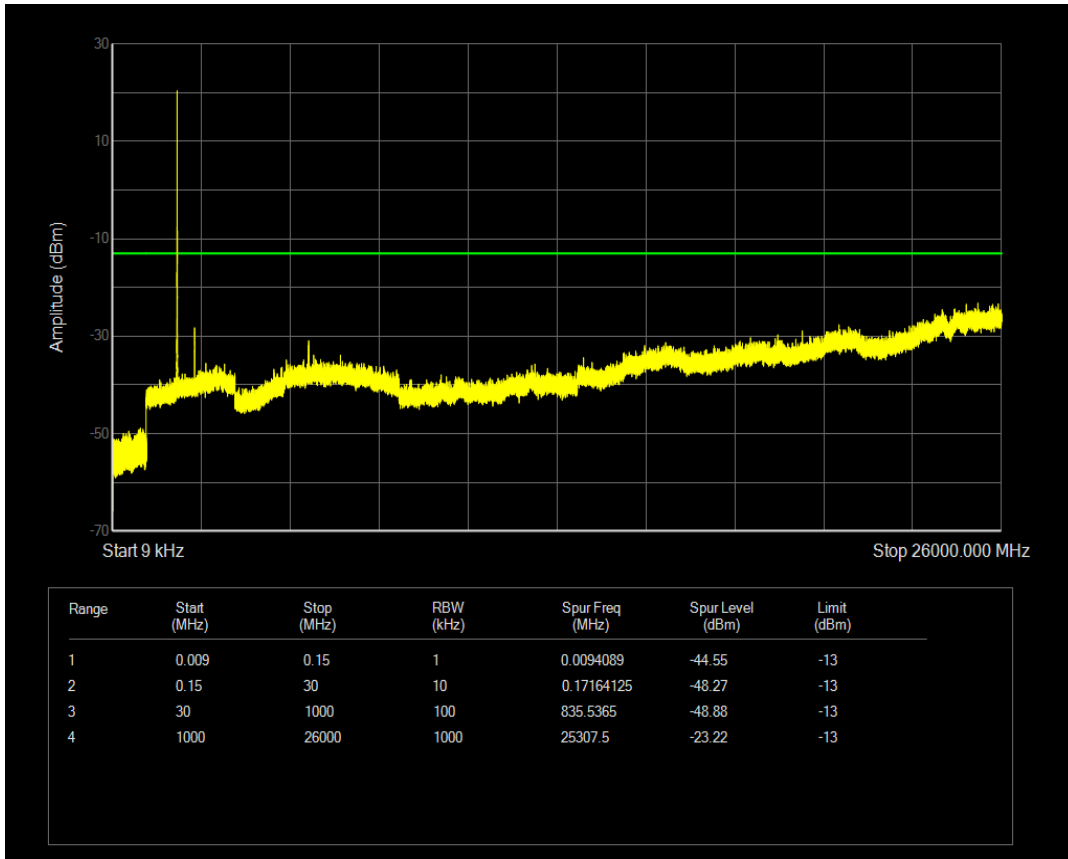
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



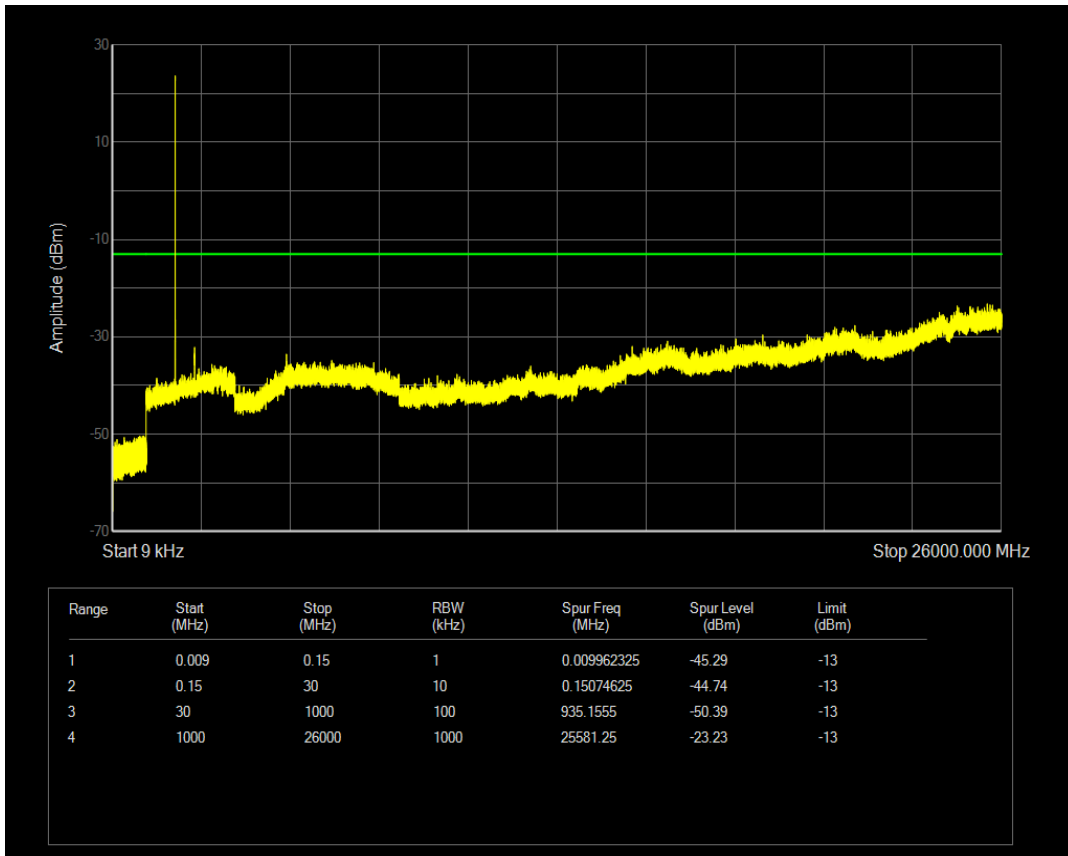
Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0



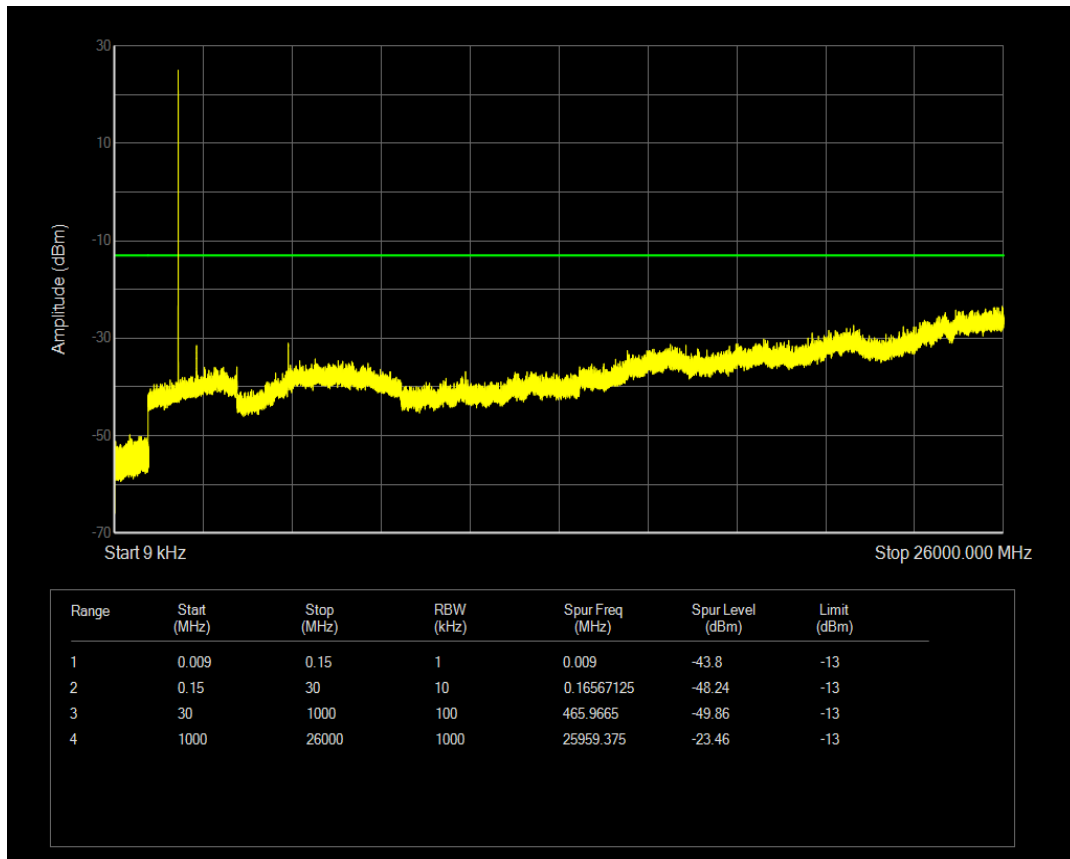
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



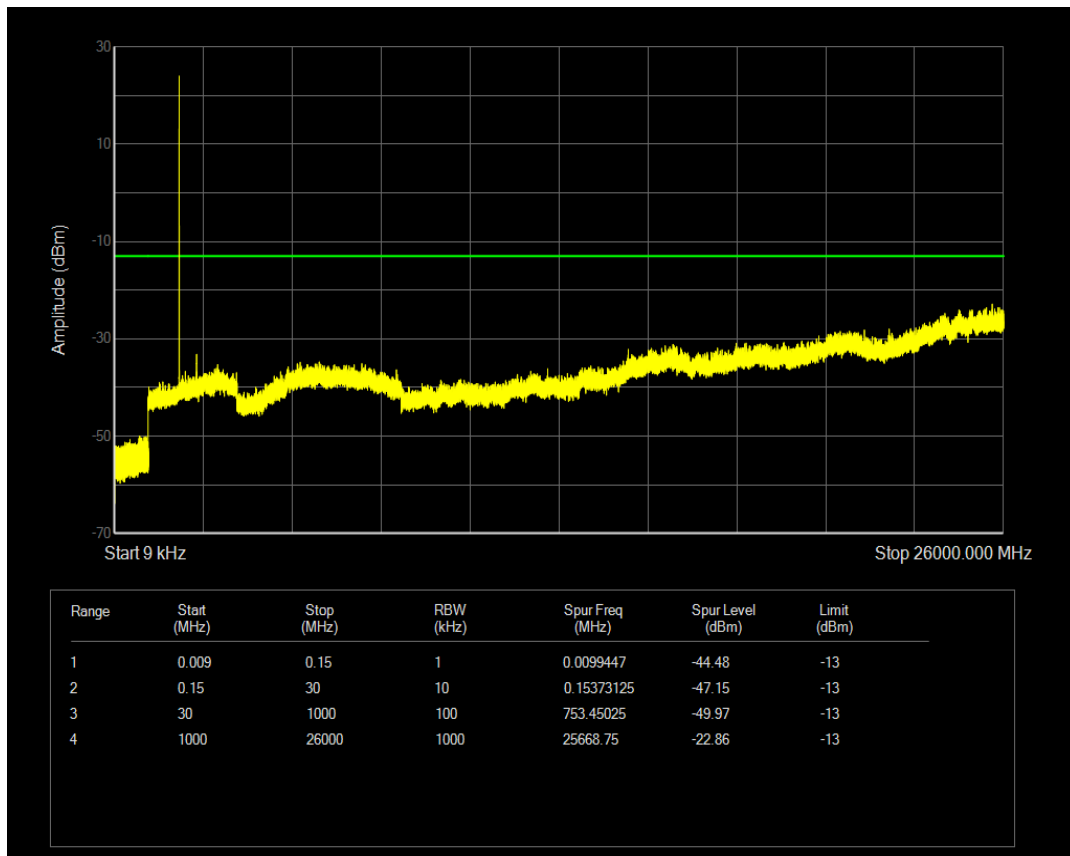
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



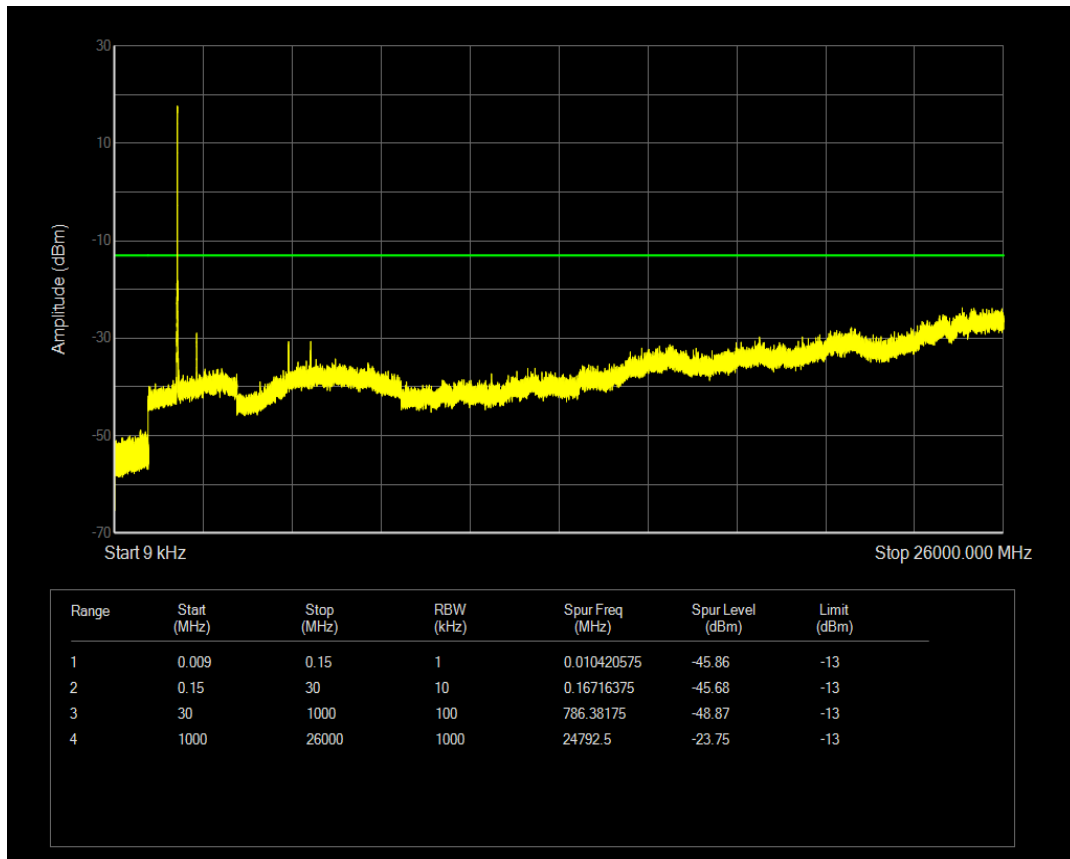
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



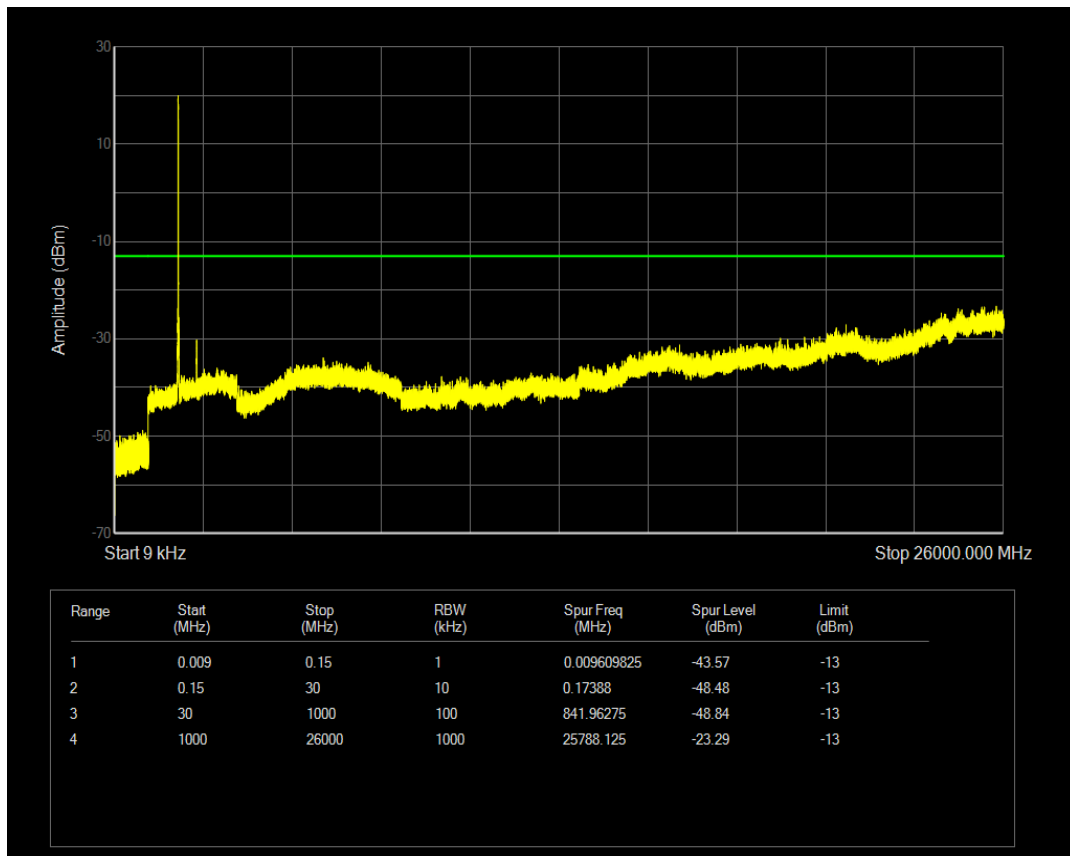
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



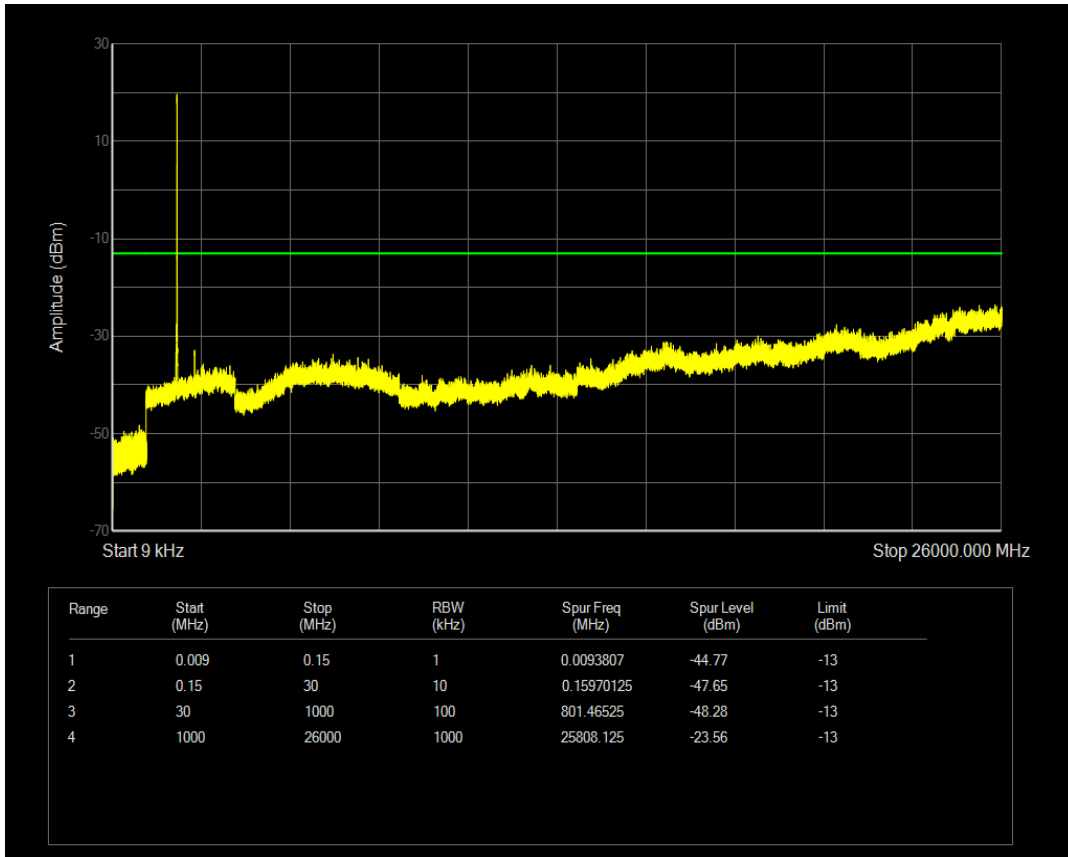
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



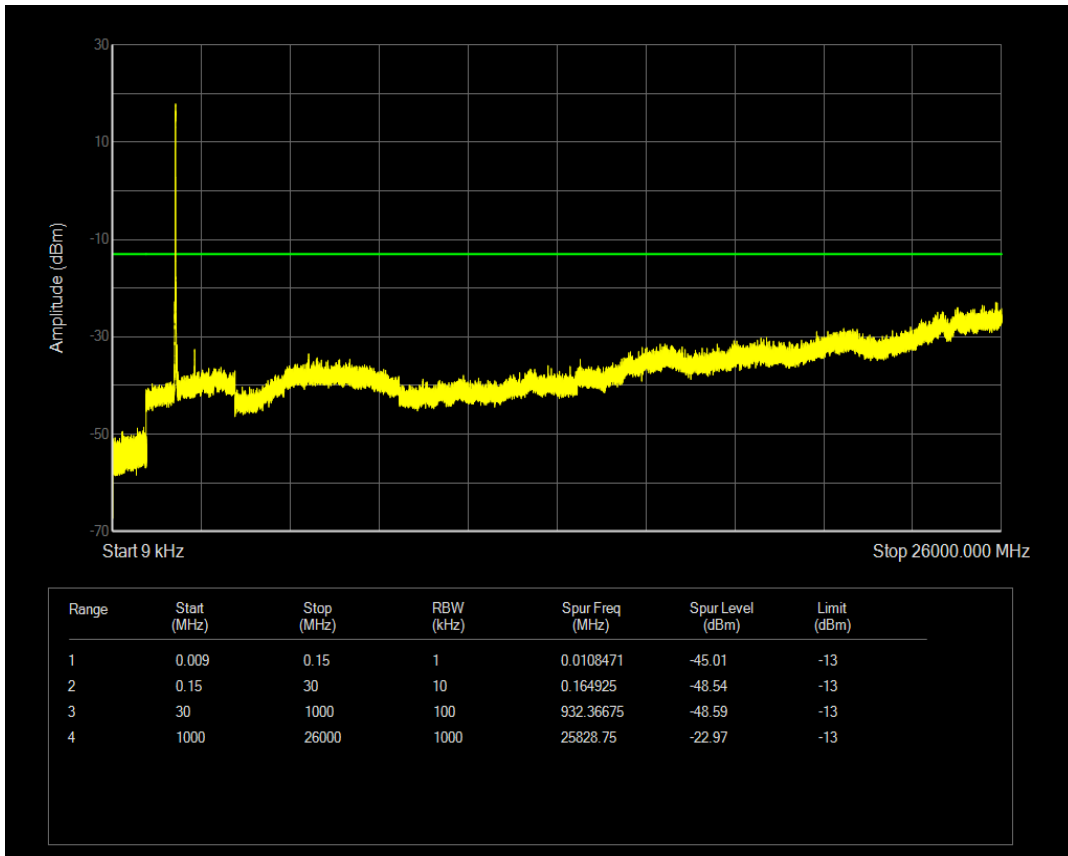
Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



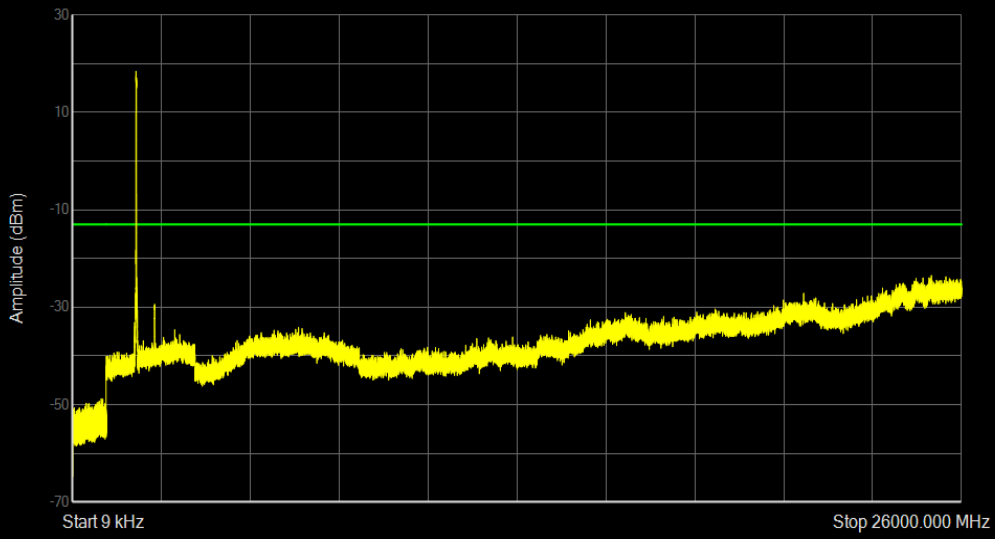
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



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

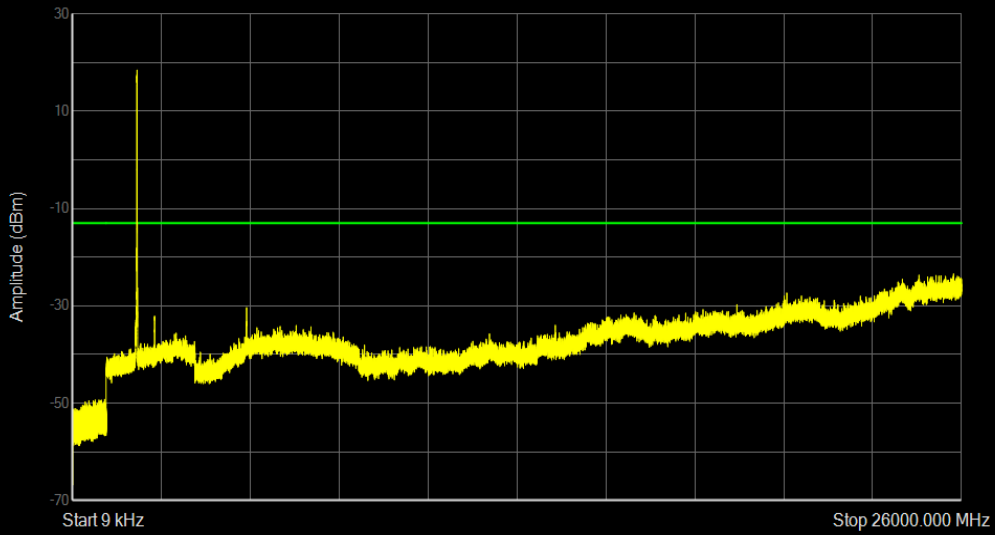


Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0



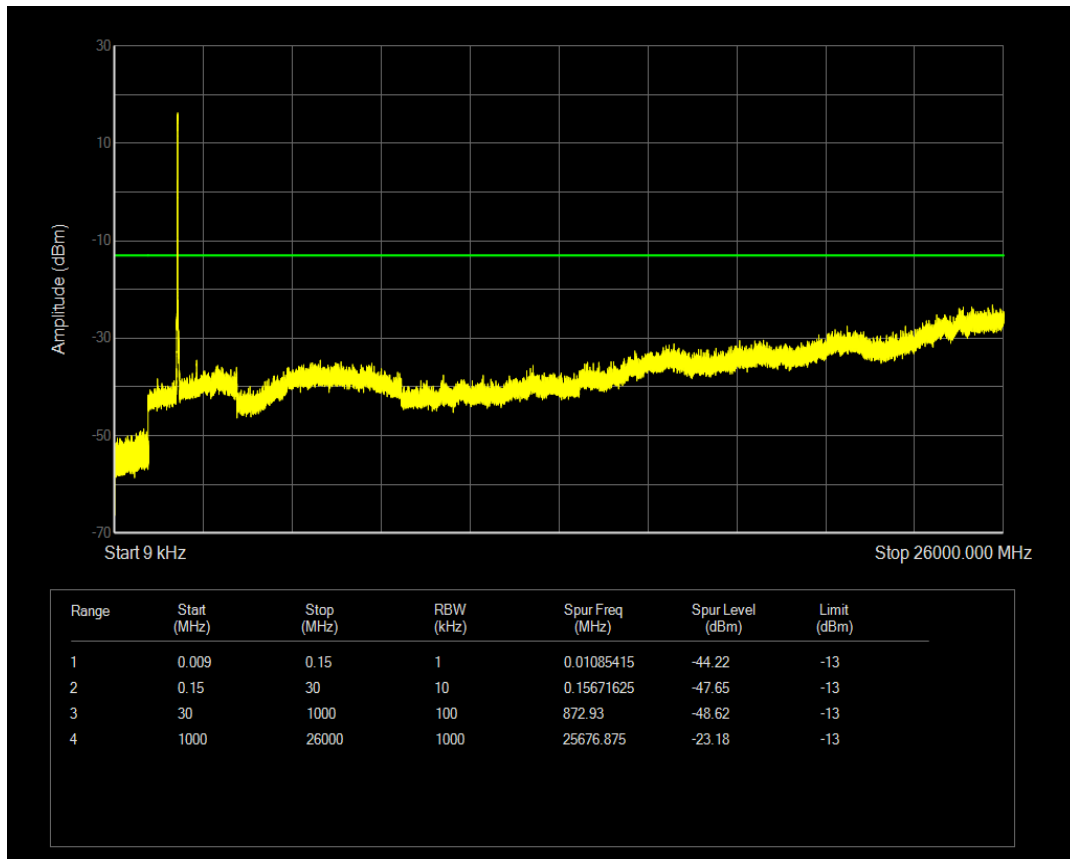
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009814275	-44.46	-13
2	0.15	30	10	0.1514925	-46.36	-13
3	30	1000	100	857.62825	-48.79	-13
4	1000	26000	1000	25118.125	-23.5	-13

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

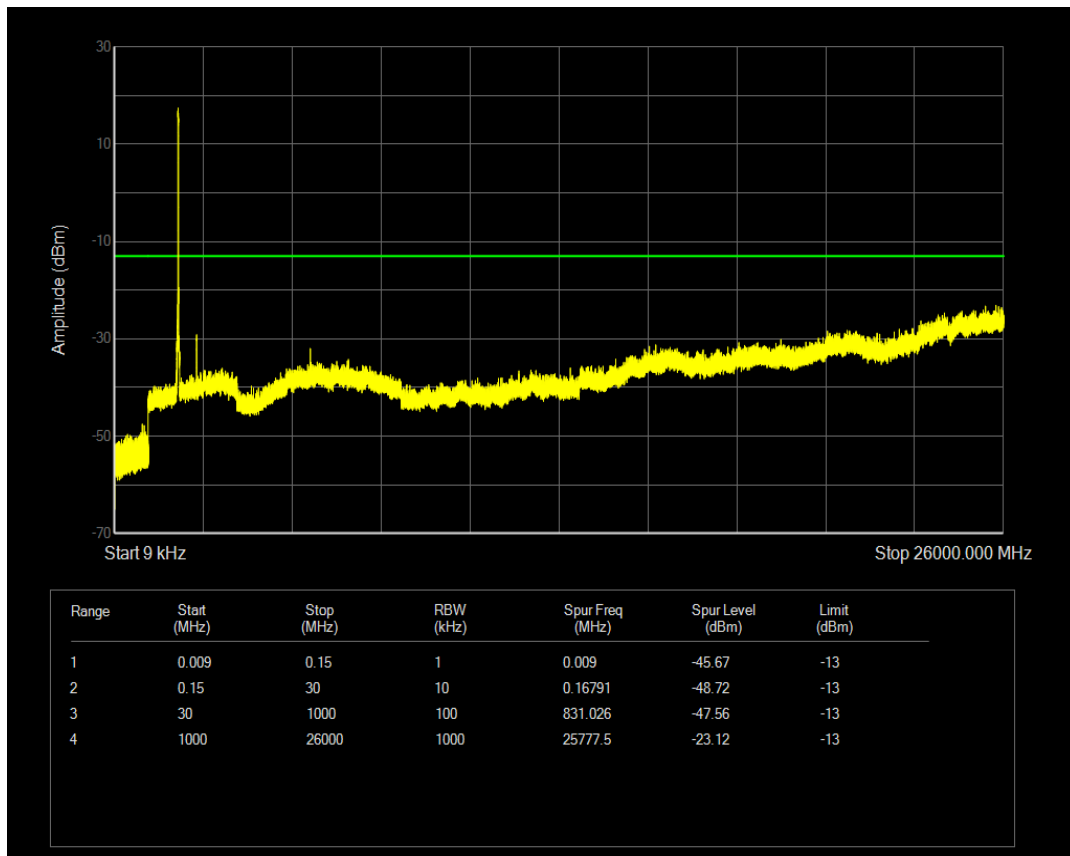


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11526465	-45.72	-13
2	0.15	30	10	0.1544775	-48.23	-13
3	30	1000	100	957.53825	-49.24	-13
4	1000	26000	1000	25766.25	-23.43	-13

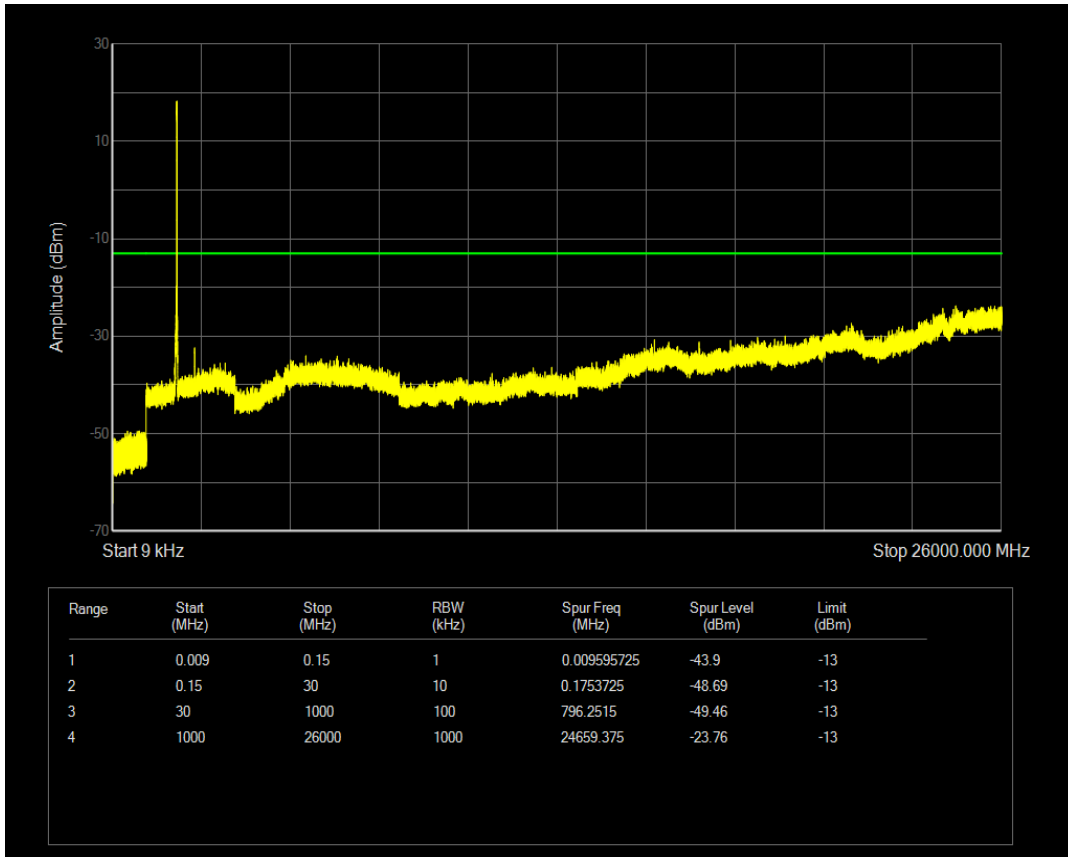
Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



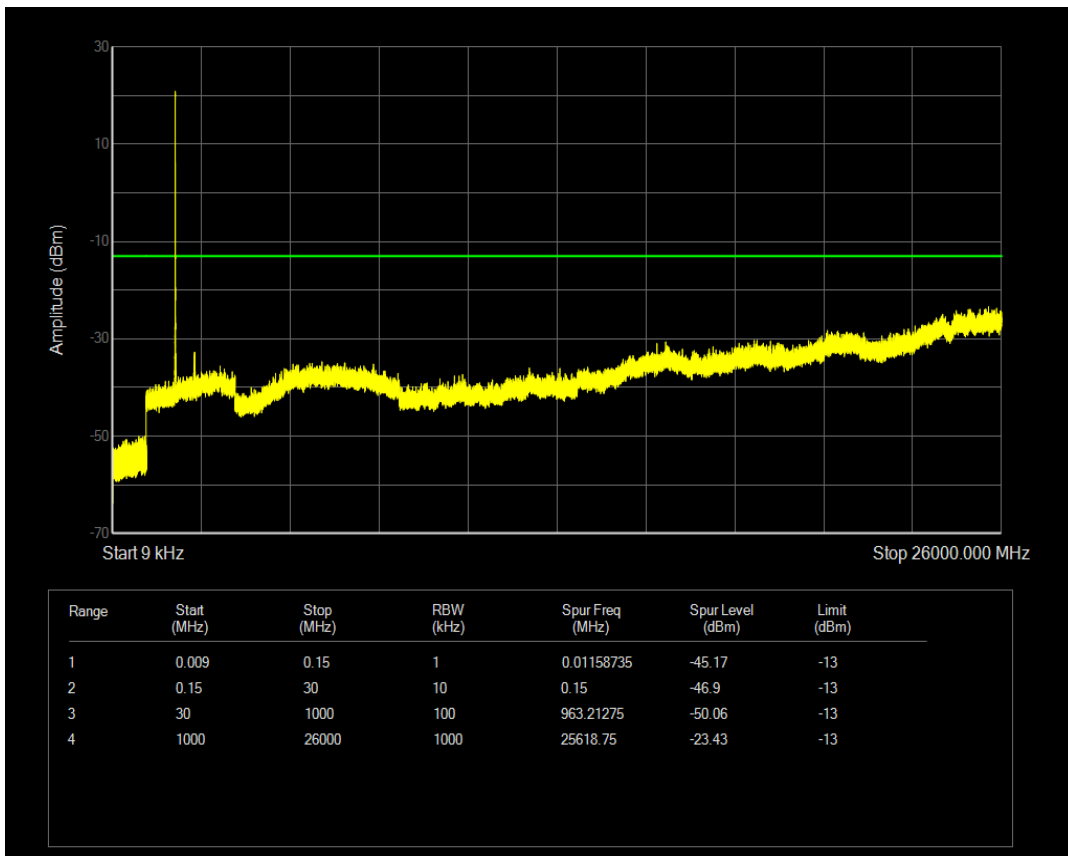
Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0



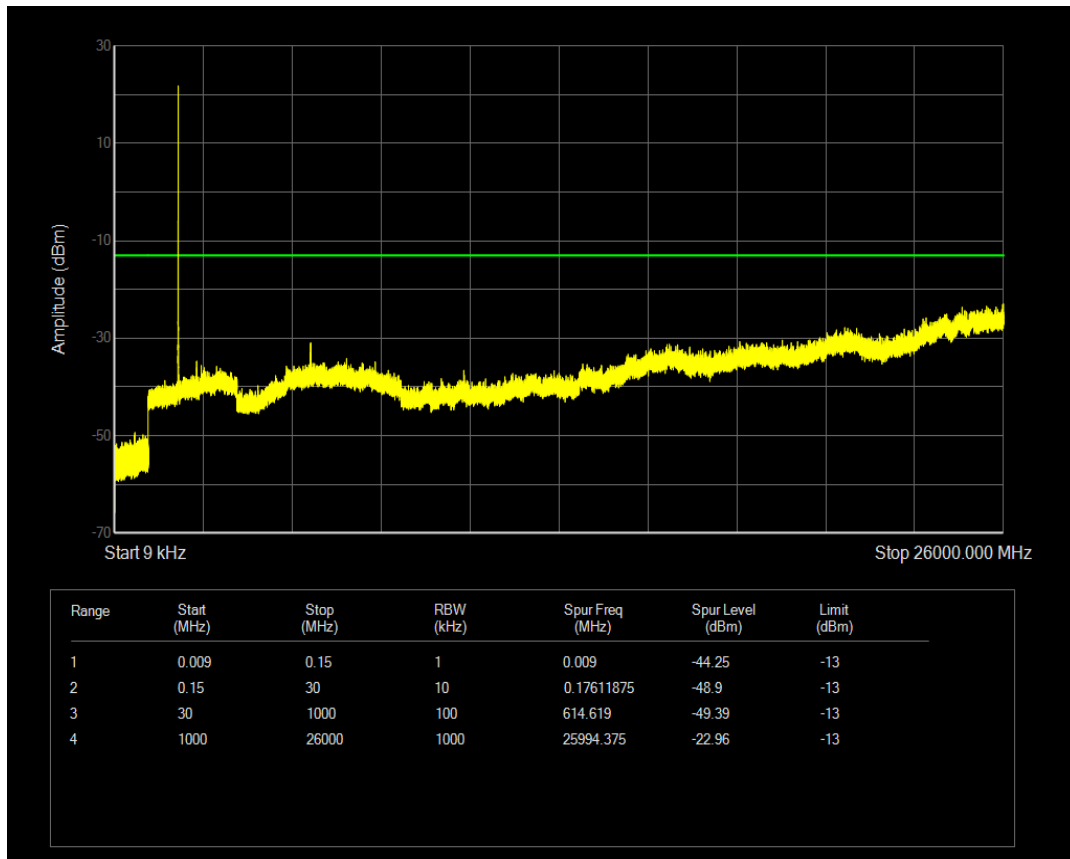
Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0



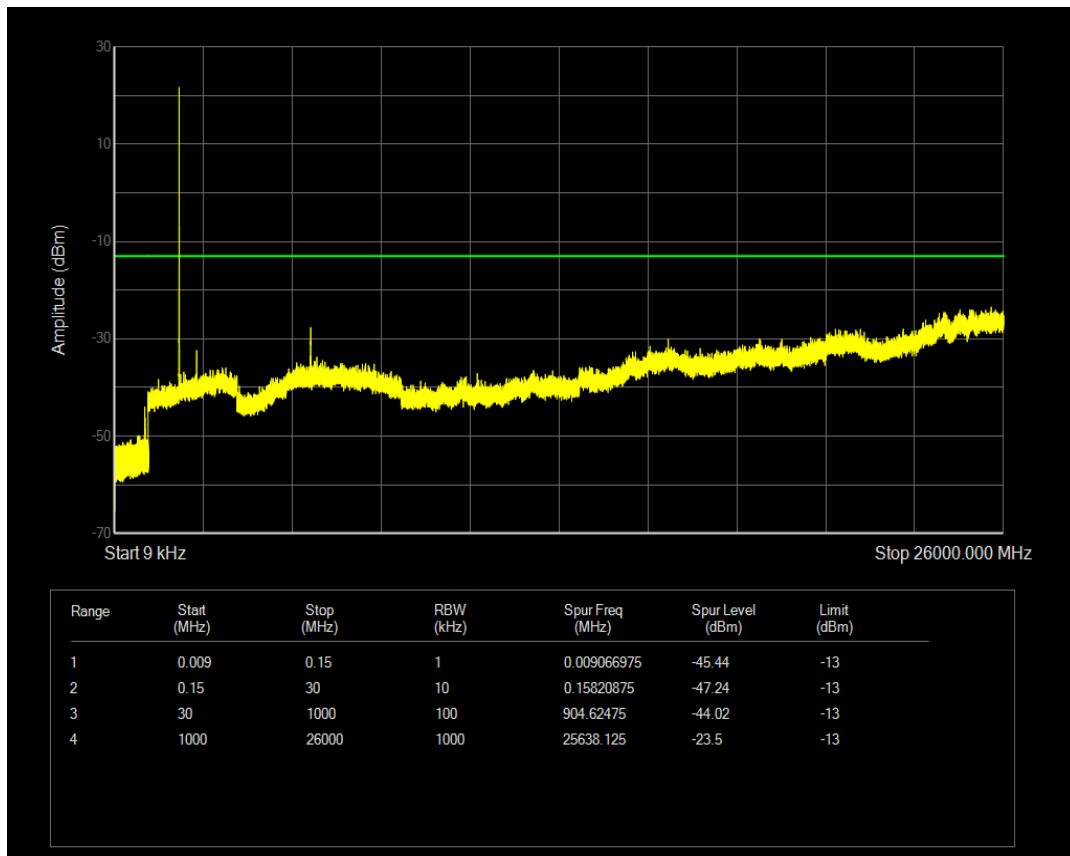
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



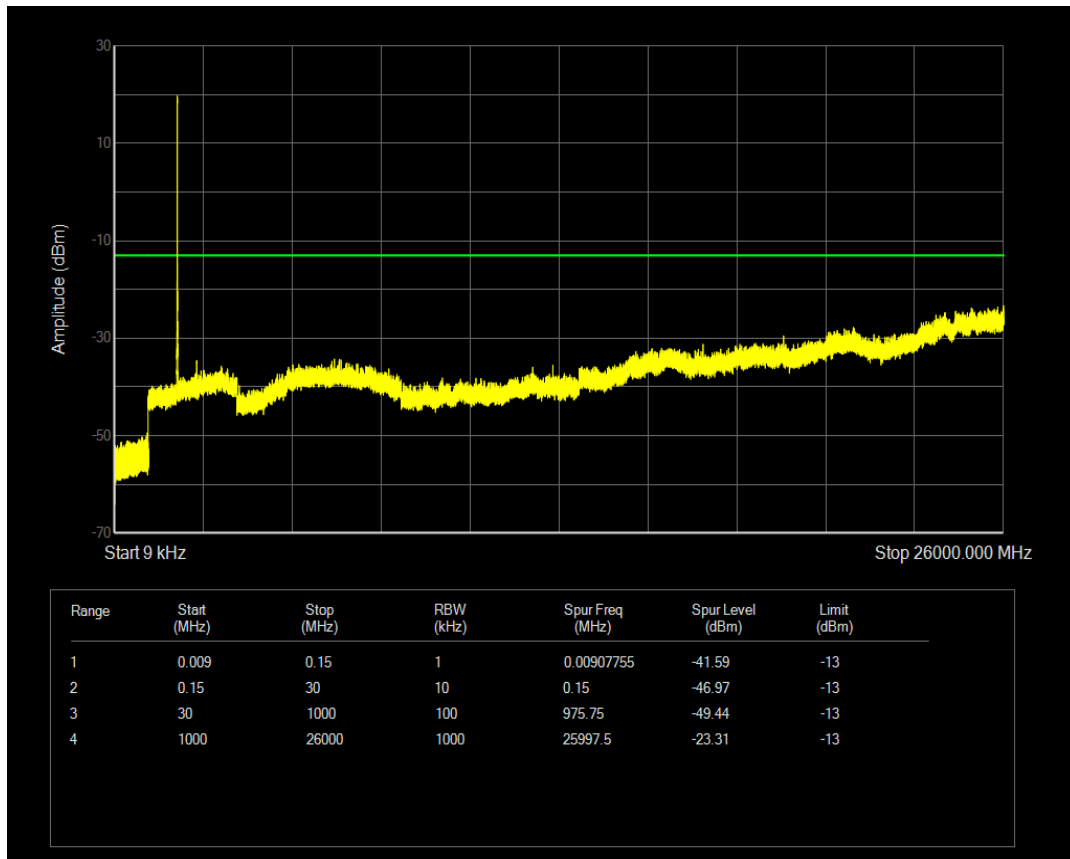
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



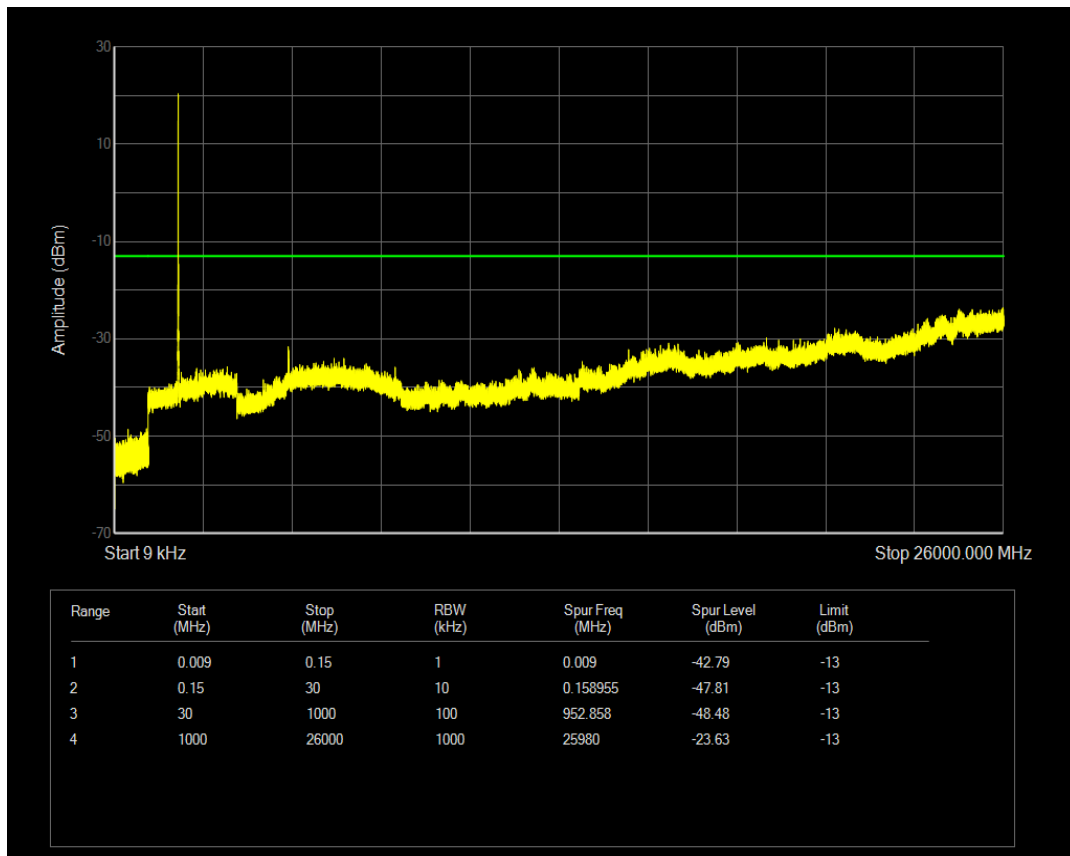
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



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



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



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

