

Appendix for Band 2

Report No.: BCTC2410177766-3E

Applicant: GEM ONE NV

Product Name: Onyx V4

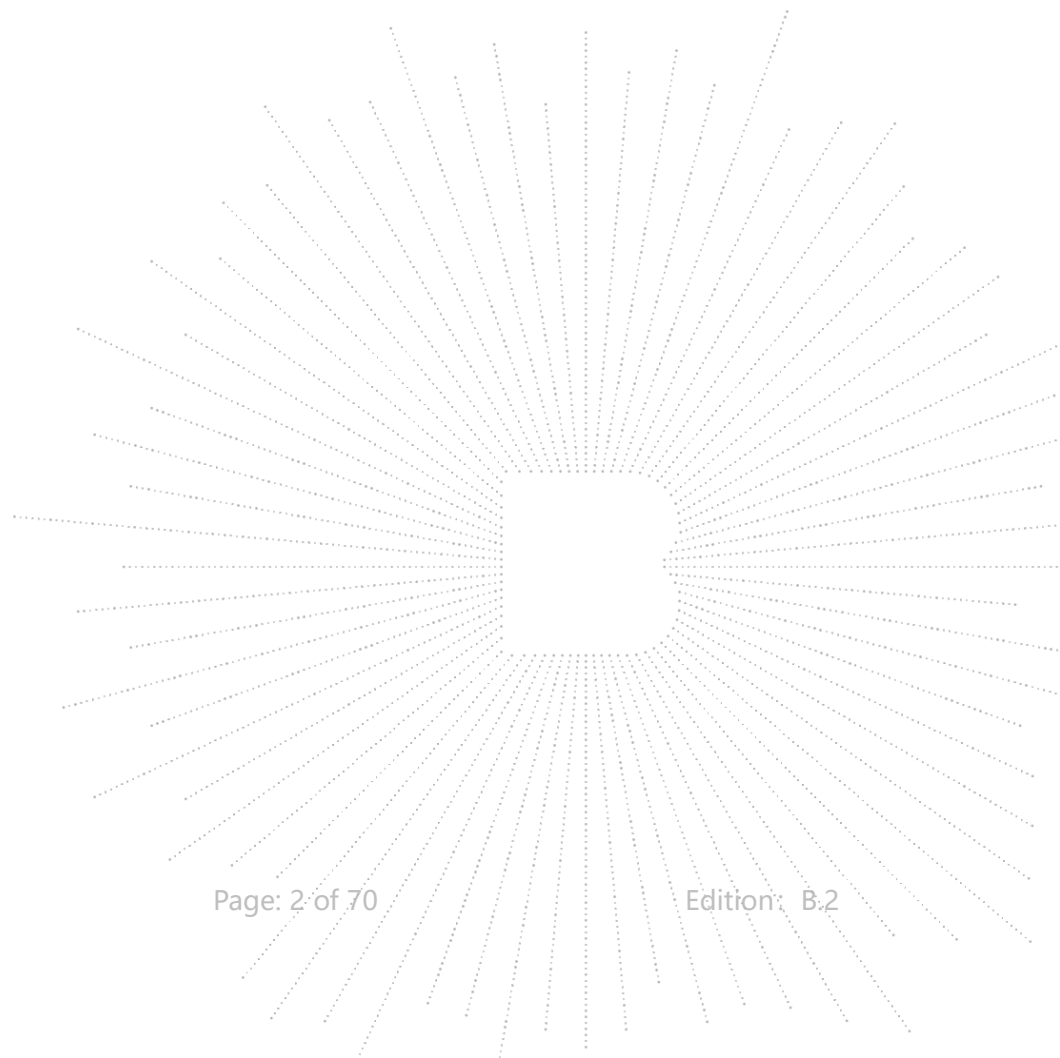
Test Model: Onyx V4

Tested Date: 2024-10-28 to 2024-11-11

Shenzhen BCTC Testing Co., Ltd.

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

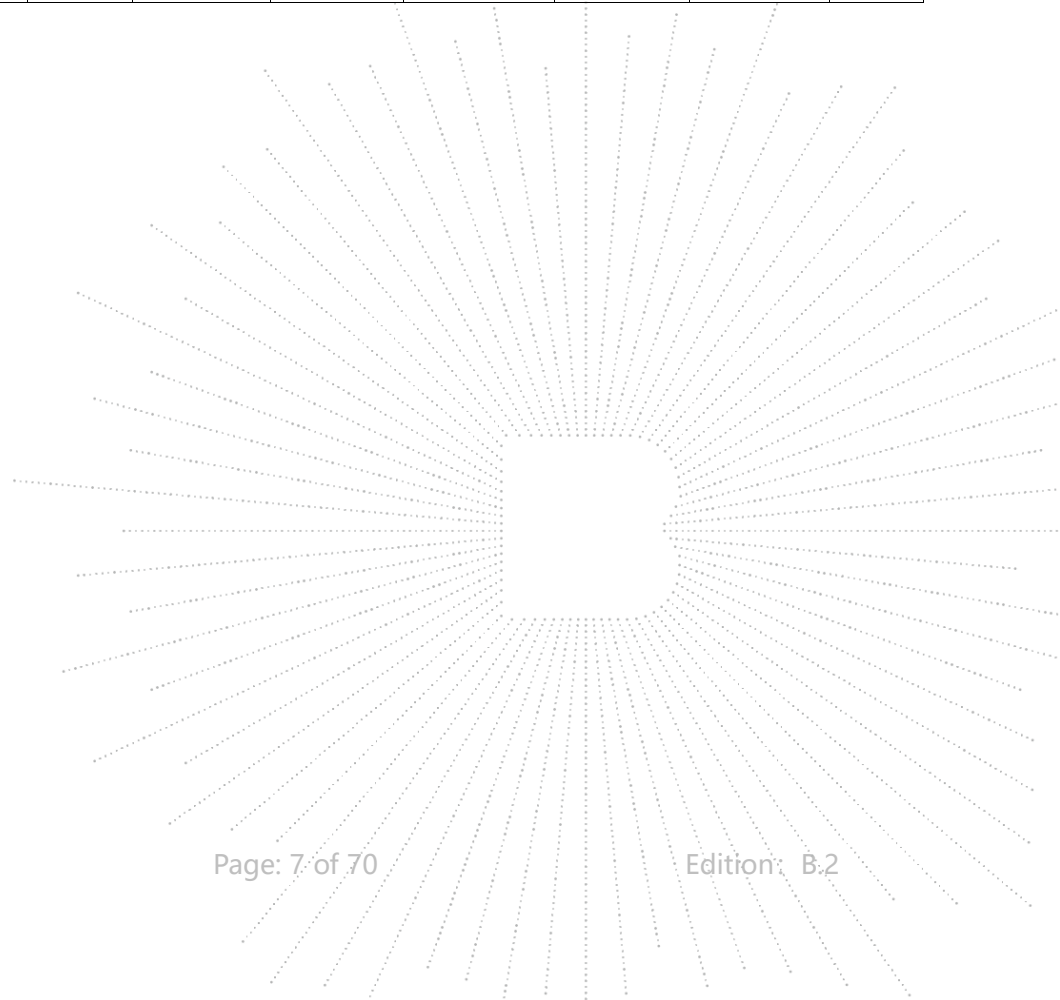
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band2	1.4	18607	1	#0	QPSK	22.30	3.59	25.89	PASS
Band2	1.4	18607	1	#Mid	QPSK	22.24	3.59	25.83	PASS
Band2	1.4	18607	1	#Max	QPSK	21.52	3.59	25.11	PASS
Band2	1.4	18607	3	#0	QPSK	22.30	3.59	25.89	PASS
Band2	1.4	18607	3	#Mid	QPSK	22.52	3.59	26.11	PASS
Band2	1.4	18607	3	#Max	QPSK	21.51	3.59	25.10	PASS
Band2	1.4	18607	6	#0	QPSK	20.38	3.59	23.97	PASS
Band2	1.4	18607	1	#0	16QAM	21.34	3.59	24.93	PASS
Band2	1.4	18607	1	#Mid	16QAM	21.44	3.59	25.03	PASS
Band2	1.4	18607	1	#Max	16QAM	20.74	3.59	24.33	PASS
Band2	1.4	18607	3	#0	16QAM	21.69	3.59	25.28	PASS
Band2	1.4	18607	3	#Mid	16QAM	21.88	3.59	25.47	PASS
Band2	1.4	18607	3	#Max	16QAM	20.57	3.59	24.16	PASS
Band2	1.4	18607	6	#0	16QAM	19.58	3.59	23.17	PASS
Band2	1.4	18900	1	#0	QPSK	23.09	3.59	26.68	PASS
Band2	1.4	18900	1	#Mid	QPSK	23.21	3.59	26.80	PASS
Band2	1.4	18900	1	#Max	QPSK	22.21	3.59	25.80	PASS
Band2	1.4	18900	3	#0	QPSK	23.37	3.59	26.96	PASS
Band2	1.4	18900	3	#Mid	QPSK	23.53	3.59	27.12	PASS
Band2	1.4	18900	3	#Max	QPSK	22.49	3.59	26.08	PASS
Band2	1.4	18900	6	#0	QPSK	21.56	3.59	25.15	PASS
Band2	1.4	18900	1	#0	16QAM	22.24	3.59	25.83	PASS
Band2	1.4	18900	1	#Mid	16QAM	22.42	3.59	26.01	PASS
Band2	1.4	18900	1	#Max	16QAM	21.48	3.59	25.07	PASS
Band2	1.4	18900	3	#0	16QAM	22.62	3.59	26.21	PASS
Band2	1.4	18900	3	#Mid	16QAM	22.81	3.59	26.40	PASS
Band2	1.4	18900	3	#Max	16QAM	21.79	3.59	25.38	PASS
Band2	1.4	18900	6	#0	16QAM	20.72	3.59	24.31	PASS
Band2	1.4	19193	1	#0	QPSK	22.74	3.59	26.33	PASS
Band2	1.4	19193	1	#Mid	QPSK	22.79	3.59	26.38	PASS
Band2	1.4	19193	1	#Max	QPSK	22.16	3.59	25.75	PASS
Band2	1.4	19193	3	#0	QPSK	22.83	3.59	26.42	PASS
Band2	1.4	19193	3	#Mid	QPSK	23.03	3.59	26.62	PASS
Band2	1.4	19193	3	#Max	QPSK	21.98	3.59	25.57	PASS
Band2	1.4	19193	6	#0	QPSK	21.05	3.59	24.64	PASS
Band2	1.4	19193	1	#0	16QAM	21.65	3.59	25.24	PASS

Band2	1.4	19193	1	#Mid	16QAM	21.69	3.59	25.28	PASS
Band2	1.4	19193	1	#Max	16QAM	21.00	3.59	24.59	PASS
Band2	1.4	19193	3	#0	16QAM	22.06	3.59	25.65	PASS
Band2	1.4	19193	3	#Mid	16QAM	22.28	3.59	25.87	PASS
Band2	1.4	19193	3	#Max	16QAM	21.27	3.59	24.86	PASS
Band2	1.4	19193	6	#0	16QAM	20.23	3.59	23.82	PASS
Band2	3	18615	1	#0	QPSK	22.13	3.59	25.72	PASS
Band2	3	18615	1	#Mid	QPSK	22.32	3.59	25.91	PASS
Band2	3	18615	1	#Max	QPSK	20.95	3.59	24.54	PASS
Band2	3	18615	8	#0	QPSK	20.58	3.59	24.17	PASS
Band2	3	18615	8	#Mid	QPSK	20.81	3.59	24.40	PASS
Band2	3	18615	8	#Max	QPSK	20.50	3.59	24.09	PASS
Band2	3	18615	15	#0	QPSK	20.51	3.59	24.10	PASS
Band2	3	18615	1	#0	16QAM	21.58	3.59	25.17	PASS
Band2	3	18615	1	#Mid	16QAM	21.80	3.59	25.39	PASS
Band2	3	18615	1	#Max	16QAM	20.45	3.59	24.04	PASS
Band2	3	18615	8	#0	16QAM	19.66	3.59	23.25	PASS
Band2	3	18615	8	#Mid	16QAM	19.86	3.59	23.45	PASS
Band2	3	18615	8	#Max	16QAM	19.54	3.59	23.13	PASS
Band2	3	18615	15	#0	16QAM	19.59	3.59	23.18	PASS
Band2	3	18900	1	#0	QPSK	23.23	3.59	26.82	PASS
Band2	3	18900	1	#Mid	QPSK	23.40	3.59	26.99	PASS
Band2	3	18900	1	#Max	QPSK	22.09	3.59	25.68	PASS
Band2	3	18900	8	#0	QPSK	21.78	3.59	25.37	PASS
Band2	3	18900	8	#Mid	QPSK	21.94	3.59	25.53	PASS
Band2	3	18900	8	#Max	QPSK	21.57	3.59	25.16	PASS
Band2	3	18900	15	#0	QPSK	21.66	3.59	25.25	PASS
Band2	3	18900	1	#0	16QAM	22.38	3.59	25.97	PASS
Band2	3	18900	1	#Mid	16QAM	22.64	3.59	26.23	PASS
Band2	3	18900	1	#Max	16QAM	21.34	3.59	24.93	PASS
Band2	3	18900	8	#0	16QAM	20.81	3.59	24.40	PASS
Band2	3	18900	8	#Mid	16QAM	20.96	3.59	24.55	PASS
Band2	3	18900	8	#Max	16QAM	20.57	3.59	24.16	PASS
Band2	3	18900	15	#0	16QAM	20.66	3.59	24.25	PASS
Band2	3	19185	1	#0	QPSK	22.73	3.59	26.32	PASS
Band2	3	19185	1	#Mid	QPSK	22.80	3.59	26.39	PASS
Band2	3	19185	1	#Max	QPSK	21.99	3.59	25.58	PASS
Band2	3	19185	8	#0	QPSK	21.09	3.59	24.68	PASS
Band2	3	19185	8	#Mid	QPSK	21.34	3.59	24.93	PASS
Band2	3	19185	8	#Max	QPSK	21.08	3.59	24.67	PASS
Band2	3	19185	15	#0	QPSK	21.06	3.59	24.65	PASS
Band2	3	19185	1	#0	16QAM	21.67	3.59	25.26	PASS
Band2	3	19185	1	#Mid	16QAM	21.74	3.59	25.33	PASS

Band2	3	19185	1	#Max	16QAM	20.84	3.59	24.43	PASS
Band2	3	19185	8	#0	16QAM	20.09	3.59	23.68	PASS
Band2	3	19185	8	#Mid	16QAM	20.36	3.59	23.95	PASS
Band2	3	19185	8	#Max	16QAM	20.13	3.59	23.72	PASS
Band2	3	19185	15	#0	16QAM	20.18	3.59	23.77	PASS
Band2	5	18625	1	#0	QPSK	22.04	3.59	25.63	PASS
Band2	5	18625	1	#Mid	QPSK	21.46	3.59	25.05	PASS
Band2	5	18625	1	#Max	QPSK	22.03	3.59	25.62	PASS
Band2	5	18625	12	#0	QPSK	21.14	3.59	24.73	PASS
Band2	5	18625	12	#Mid	QPSK	21.06	3.59	24.65	PASS
Band2	5	18625	12	#Max	QPSK	20.71	3.59	24.30	PASS
Band2	5	18625	25	#0	QPSK	20.50	3.59	24.09	PASS
Band2	5	18625	1	#0	16QAM	21.61	3.59	25.20	PASS
Band2	5	18625	1	#Mid	16QAM	20.94	3.59	24.53	PASS
Band2	5	18625	1	#Max	16QAM	21.57	3.59	25.16	PASS
Band2	5	18625	12	#0	16QAM	20.11	3.59	23.70	PASS
Band2	5	18625	12	#Mid	16QAM	20.08	3.59	23.67	PASS
Band2	5	18625	12	#Max	16QAM	19.73	3.59	23.32	PASS
Band2	5	18625	25	#0	16QAM	19.56	3.59	23.15	PASS
Band2	5	18900	1	#0	QPSK	23.46	3.59	27.05	PASS
Band2	5	18900	1	#Mid	QPSK	22.53	3.59	26.12	PASS
Band2	5	18900	1	#Max	QPSK	22.77	3.59	26.36	PASS
Band2	5	18900	12	#0	QPSK	22.25	3.59	25.84	PASS
Band2	5	18900	12	#Mid	QPSK	22.06	3.59	25.65	PASS
Band2	5	18900	12	#Max	QPSK	21.46	3.59	25.05	PASS
Band2	5	18900	25	#0	QPSK	21.68	3.59	25.27	PASS
Band2	5	18900	1	#0	16QAM	22.76	3.59	26.35	PASS
Band2	5	18900	1	#Mid	16QAM	21.95	3.59	25.54	PASS
Band2	5	18900	1	#Max	16QAM	22.19	3.59	25.78	PASS
Band2	5	18900	12	#0	16QAM	21.19	3.59	24.78	PASS
Band2	5	18900	12	#Mid	16QAM	21.05	3.59	24.64	PASS
Band2	5	18900	12	#Max	16QAM	20.44	3.59	24.03	PASS
Band2	5	18900	25	#0	16QAM	20.73	3.59	24.32	PASS
Band2	5	19175	1	#0	QPSK	22.88	3.59	26.47	PASS
Band2	5	19175	1	#Mid	QPSK	21.88	3.59	25.47	PASS
Band2	5	19175	1	#Max	QPSK	22.30	3.59	25.89	PASS
Band2	5	19175	12	#0	QPSK	21.92	3.59	25.51	PASS
Band2	5	19175	12	#Mid	QPSK	21.78	3.59	25.37	PASS
Band2	5	19175	12	#Max	QPSK	21.37	3.59	24.96	PASS
Band2	5	19175	25	#0	QPSK	21.10	3.59	24.69	PASS
Band2	5	19175	1	#0	16QAM	22.22	3.59	25.81	PASS
Band2	5	19175	1	#Mid	16QAM	21.30	3.59	24.89	PASS
Band2	5	19175	1	#Max	16QAM	21.68	3.59	25.27	PASS

Band2	5	19175	12	#0	16QAM	21.02	3.59	24.61	PASS
Band2	5	19175	12	#Mid	16QAM	20.90	3.59	24.49	PASS
Band2	5	19175	12	#Max	16QAM	20.46	3.59	24.05	PASS
Band2	5	19175	25	#0	16QAM	20.11	3.59	23.70	PASS
Band2	10	18650	1	#0	QPSK	21.95	3.59	25.54	PASS
Band2	10	18650	1	#Mid	QPSK	21.73	3.59	25.32	PASS
Band2	10	18650	1	#Max	QPSK	22.51	3.59	26.10	PASS
Band2	10	18650	25	#0	QPSK	21.09	3.59	24.68	PASS
Band2	10	18650	25	#Mid	QPSK	21.04	3.59	24.63	PASS
Band2	10	18650	25	#Max	QPSK	21.11	3.59	24.70	PASS
Band2	10	18650	50	#0	QPSK	20.64	3.59	24.23	PASS
Band2	10	18900	1	#0	QPSK	23.83	3.59	27.42	PASS
Band2	10	18900	1	#Mid	QPSK	22.89	3.59	26.48	PASS
Band2	10	18900	1	#Max	QPSK	22.39	3.59	25.98	PASS
Band2	10	18900	25	#0	QPSK	22.51	3.59	26.10	PASS
Band2	10	18900	25	#Mid	QPSK	22.20	3.59	25.79	PASS
Band2	10	18900	25	#Max	QPSK	21.36	3.59	24.95	PASS
Band2	10	18900	50	#0	QPSK	21.78	3.59	25.37	PASS
Band2	10	19150	1	#0	QPSK	23.90	3.59	27.49	PASS
Band2	10	19150	1	#Mid	QPSK	22.45	3.59	26.04	PASS
Band2	10	19150	1	#Max	QPSK	22.58	3.59	26.17	PASS
Band2	10	19150	25	#0	QPSK	22.56	3.59	26.15	PASS
Band2	10	19150	25	#Mid	QPSK	21.97	3.59	25.56	PASS
Band2	10	19150	25	#Max	QPSK	21.42	3.59	25.01	PASS
Band2	10	19150	50	#0	QPSK	21.45	3.59	25.04	PASS
Band2	15	18675	1	#0	QPSK	22.04	3.59	25.63	PASS
Band2	15	18675	1	#Mid	QPSK	21.71	3.59	25.30	PASS
Band2	15	18675	1	#Max	QPSK	23.30	3.59	26.89	PASS
Band2	15	18675	36	#0	QPSK	21.29	3.59	24.88	PASS
Band2	15	18675	36	#Mid	QPSK	21.46	3.59	25.05	PASS
Band2	15	18675	36	#Max	QPSK	21.98	3.59	25.57	PASS
Band2	15	18675	75	#0	QPSK	20.91	3.59	24.50	PASS
Band2	15	18900	1	#0	QPSK	24.24	3.59	27.83	PASS
Band2	15	18900	1	#Mid	QPSK	22.67	3.59	26.26	PASS
Band2	15	18900	1	#Max	QPSK	22.38	3.59	25.97	PASS
Band2	15	18900	36	#0	QPSK	22.93	3.59	26.52	PASS
Band2	15	18900	36	#Mid	QPSK	22.53	3.59	26.12	PASS
Band2	15	18900	36	#Max	QPSK	21.54	3.59	25.13	PASS
Band2	15	18900	75	#0	QPSK	21.79	3.59	25.38	PASS
Band2	15	19125	1	#0	QPSK	23.69	3.59	27.28	PASS
Band2	15	19125	1	#Mid	QPSK	22.80	3.59	26.39	PASS
Band2	15	19125	1	#Max	QPSK	22.54	3.59	26.13	PASS
Band2	15	19125	36	#0	QPSK	22.88	3.59	26.47	PASS

Band2	15	19125	36	#Mid	QPSK	22.36	3.59	25.95	PASS
Band2	15	19125	36	#Max	QPSK	21.60	3.59	25.19	PASS
Band2	15	19125	75	#0	QPSK	21.79	3.59	25.38	PASS
Band2	20	18700	1	#0	QPSK	22.05	3.59	25.64	PASS
Band2	20	18700	1	#Mid	QPSK	22.18	3.59	25.77	PASS
Band2	20	18700	1	#Max	QPSK	23.90	3.59	27.49	PASS
Band2	20	18700	50	#0	QPSK	21.47	3.59	25.06	PASS
Band2	20	18700	50	#Mid	QPSK	21.91	3.59	25.50	PASS
Band2	20	18700	50	#Max	QPSK	22.60	3.59	26.19	PASS
Band2	20	18700	100	#0	QPSK	20.99	3.59	24.58	PASS
Band2	20	18900	1	#0	QPSK	24.50	3.59	28.09	PASS
Band2	20	18900	1	#Mid	QPSK	22.94	3.59	26.53	PASS
Band2	20	18900	1	#Max	QPSK	22.64	3.59	26.23	PASS
Band2	20	18900	50	#0	QPSK	23.30	3.59	26.89	PASS
Band2	20	18900	50	#Mid	QPSK	22.83	3.59	26.42	PASS
Band2	20	18900	50	#Max	QPSK	21.70	3.59	25.29	PASS
Band2	20	18900	100	#0	QPSK	21.71	3.59	25.30	PASS
Band2	20	19100	1	#0	QPSK	22.58	3.59	26.17	PASS
Band2	20	19100	1	#Mid	QPSK	23.17	3.59	26.76	PASS
Band2	20	19100	1	#Max	QPSK	22.40	3.59	25.99	PASS
Band2	20	19100	50	#0	QPSK	22.42	3.59	26.01	PASS
Band2	20	19100	50	#Mid	QPSK	22.38	3.59	25.97	PASS
Band2	20	19100	50	#Max	QPSK	22.05	3.59	25.64	PASS
Band2	20	19100	100	#0	QPSK	21.39	3.59	24.98	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	-6.39	-0.003	PASS
Band2	1.4	18607	6	#0	QPSK	NV	NT	-5.25	-0.003	PASS
Band2	1.4	18607	6	#0	QPSK	HV	NT	-4.16	-0.002	PASS
Band2	1.4	18607	6	#0	16QAM	LV	NT	0.49	0.000	PASS
Band2	1.4	18607	6	#0	16QAM	NV	NT	4.21	0.002	PASS
Band2	1.4	18607	6	#0	16QAM	HV	NT	5.32	0.003	PASS
Band2	1.4	18900	6	#0	QPSK	LV	NT	-2.99	-0.002	PASS
Band2	1.4	18900	6	#0	QPSK	NV	NT	-2.36	-0.001	PASS
Band2	1.4	18900	6	#0	QPSK	HV	NT	-4.72	-0.003	PASS
Band2	1.4	18900	6	#0	16QAM	LV	NT	-6.42	-0.003	PASS
Band2	1.4	18900	6	#0	16QAM	NV	NT	-3.69	-0.002	PASS
Band2	1.4	18900	6	#0	16QAM	HV	NT	-9.11	-0.005	PASS
Band2	1.4	19193	6	#0	QPSK	LV	NT	-4.45	-0.002	PASS
Band2	1.4	19193	6	#0	QPSK	NV	NT	-4.92	-0.003	PASS
Band2	1.4	19193	6	#0	QPSK	HV	NT	-6.79	-0.004	PASS
Band2	1.4	19193	6	#0	16QAM	LV	NT	-6.48	-0.003	PASS
Band2	1.4	19193	6	#0	16QAM	NV	NT	-4.75	-0.002	PASS
Band2	1.4	19193	6	#0	16QAM	HV	NT	-3.35	-0.002	PASS
Band2	3	18615	15	#0	QPSK	LV	NT	-6.47	-0.003	PASS
Band2	3	18615	15	#0	QPSK	NV	NT	-4.15	-0.002	PASS
Band2	3	18615	15	#0	QPSK	HV	NT	-1.53	-0.001	PASS
Band2	3	18615	15	#0	16QAM	LV	NT	5.45	0.003	PASS
Band2	3	18615	15	#0	16QAM	NV	NT	4.73	0.003	PASS
Band2	3	18615	15	#0	16QAM	HV	NT	6.45	0.003	PASS
Band2	3	18900	15	#0	QPSK	LV	NT	-3.75	-0.002	PASS
Band2	3	18900	15	#0	QPSK	NV	NT	-6.34	-0.003	PASS
Band2	3	18900	15	#0	QPSK	HV	NT	-5.42	-0.003	PASS
Band2	3	18900	15	#0	16QAM	LV	NT	-2.93	-0.002	PASS
Band2	3	18900	15	#0	16QAM	NV	NT	-5.91	-0.003	PASS
Band2	3	18900	15	#0	16QAM	HV	NT	0.04	0.000	PASS
Band2	3	19185	15	#0	QPSK	LV	NT	-5.89	-0.003	PASS
Band2	3	19185	15	#0	QPSK	NV	NT	-5.41	-0.003	PASS
Band2	3	19185	15	#0	QPSK	HV	NT	-7.42	-0.004	PASS
Band2	3	19185	15	#0	16QAM	LV	NT	-4.68	-0.002	PASS
Band2	3	19185	15	#0	16QAM	NV	NT	-3.81	-0.002	PASS
Band2	3	19185	15	#0	16QAM	HV	NT	-6.38	-0.003	PASS
Band2	5	18625	25	#0	QPSK	LV	NT	-8.43	-0.005	PASS
Band2	5	18625	25	#0	QPSK	NV	NT	-8.07	-0.004	PASS

Band2	5	18625	25	#0	QPSK	HV	NT	3.09	0.002	PASS
Band2	5	18625	25	#0	16QAM	LV	NT	5.94	0.003	PASS
Band2	5	18625	25	#0	16QAM	NV	NT	5.61	0.003	PASS
Band2	5	18625	25	#0	16QAM	HV	NT	5.24	0.003	PASS
Band2	5	18900	25	#0	QPSK	LV	NT	-3.45	-0.002	PASS
Band2	5	18900	25	#0	QPSK	NV	NT	-4.26	-0.002	PASS
Band2	5	18900	25	#0	QPSK	HV	NT	-1.16	-0.001	PASS
Band2	5	18900	25	#0	16QAM	LV	NT	7.25	0.004	PASS
Band2	5	18900	25	#0	16QAM	NV	NT	3.16	0.002	PASS
Band2	5	18900	25	#0	16QAM	HV	NT	-4.92	-0.003	PASS
Band2	5	19175	25	#0	QPSK	LV	NT	-5.35	-0.003	PASS
Band2	5	19175	25	#0	QPSK	NV	NT	-5.15	-0.003	PASS
Band2	5	19175	25	#0	QPSK	HV	NT	-6.62	-0.003	PASS
Band2	5	19175	25	#0	16QAM	LV	NT	-3.19	-0.002	PASS
Band2	5	19175	25	#0	16QAM	NV	NT	-5.79	-0.003	PASS
Band2	5	19175	25	#0	16QAM	HV	NT	-4.72	-0.002	PASS
Band2	10	18650	50	#0	QPSK	LV	NT	-9.41	-0.005	PASS
Band2	10	18650	50	#0	QPSK	NV	NT	-2.85	-0.002	PASS
Band2	10	18650	50	#0	QPSK	HV	NT	6.87	0.004	PASS
Band2	10	18900	50	#0	QPSK	LV	NT	-3.08	-0.002	PASS
Band2	10	18900	50	#0	QPSK	NV	NT	4.86	0.003	PASS
Band2	10	18900	50	#0	QPSK	HV	NT	4.82	0.003	PASS
Band2	10	19150	50	#0	QPSK	LV	NT	-5.88	-0.003	PASS
Band2	10	19150	50	#0	QPSK	NV	NT	-6.19	-0.003	PASS
Band2	10	19150	50	#0	QPSK	HV	NT	-7.34	-0.004	PASS
Band2	15	18675	75	#0	QPSK	LV	NT	-5.89	-0.003	PASS
Band2	15	18675	75	#0	QPSK	NV	NT	1.42	0.001	PASS
Band2	15	18675	75	#0	QPSK	HV	NT	4.52	0.002	PASS
Band2	15	18900	75	#0	QPSK	LV	NT	-4.96	-0.003	PASS
Band2	15	18900	75	#0	QPSK	NV	NT	3.98	0.002	PASS
Band2	15	18900	75	#0	QPSK	HV	NT	5.24	0.003	PASS
Band2	15	19125	75	#0	QPSK	LV	NT	-7.30	-0.004	PASS
Band2	15	19125	75	#0	QPSK	NV	NT	-4.02	-0.002	PASS
Band2	15	19125	75	#0	QPSK	HV	NT	-6.42	-0.003	PASS
Band2	20	18700	100	#0	QPSK	LV	NT	-7.05	-0.004	PASS
Band2	20	18700	100	#0	QPSK	NV	NT	0.27	0.000	PASS
Band2	20	18700	100	#0	QPSK	HV	NT	4.76	0.003	PASS
Band2	20	18900	100	#0	QPSK	LV	NT	-4.15	-0.002	PASS
Band2	20	18900	100	#0	QPSK	NV	NT	5.11	0.003	PASS
Band2	20	18900	100	#0	QPSK	HV	NT	4.01	0.002	PASS
Band2	20	19100	100	#0	QPSK	LV	NT	-1.34	-0.001	PASS
Band2	20	19100	100	#0	QPSK	NV	NT	-4.52	-0.002	PASS
Band2	20	19100	100	#0	QPSK	HV	NT	0.47	0.000	PASS

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	NV	-30	-8.94	-0.005	PASS
Band2	1.4	18607	6	#0	QPSK	NV	-20	-8.21	-0.004	PASS
Band2	1.4	18607	6	#0	QPSK	NV	-10	-10.13	-0.005	PASS
Band2	1.4	18607	6	#0	QPSK	NV	0	-11.70	-0.006	PASS
Band2	1.4	18607	6	#0	QPSK	NV	10	-9.57	-0.005	PASS
Band2	1.4	18607	6	#0	QPSK	NV	20	-8.93	-0.005	PASS
Band2	1.4	18607	6	#0	QPSK	NV	30	-6.49	-0.004	PASS
Band2	1.4	18607	6	#0	QPSK	NV	40	-7.47	-0.004	PASS
Band2	1.4	18607	6	#0	QPSK	NV	50	-8.50	-0.005	PASS
Band2	1.4	18607	6	#0	16QAM	NV	-30	-8.17	-0.004	PASS
Band2	1.4	18607	6	#0	16QAM	NV	-20	-9.13	-0.005	PASS
Band2	1.4	18607	6	#0	16QAM	NV	-10	-8.90	-0.005	PASS
Band2	1.4	18607	6	#0	16QAM	NV	0	-7.93	-0.004	PASS
Band2	1.4	18607	6	#0	16QAM	NV	10	-6.67	-0.004	PASS
Band2	1.4	18607	6	#0	16QAM	NV	20	-7.12	-0.004	PASS
Band2	1.4	18607	6	#0	16QAM	NV	30	-7.72	-0.004	PASS
Band2	1.4	18607	6	#0	16QAM	NV	40	-6.71	-0.004	PASS
Band2	1.4	18607	6	#0	16QAM	NV	50	-8.40	-0.005	PASS
Band2	1.4	18900	6	#0	QPSK	NV	-30	-6.71	-0.004	PASS
Band2	1.4	18900	6	#0	QPSK	NV	-20	-5.74	-0.003	PASS
Band2	1.4	18900	6	#0	QPSK	NV	-10	-7.70	-0.004	PASS
Band2	1.4	18900	6	#0	QPSK	NV	0	-8.53	-0.005	PASS
Band2	1.4	18900	6	#0	QPSK	NV	10	-7.51	-0.004	PASS
Band2	1.4	18900	6	#0	QPSK	NV	20	-7.90	-0.004	PASS
Band2	1.4	18900	6	#0	QPSK	NV	30	-7.58	-0.004	PASS
Band2	1.4	18900	6	#0	QPSK	NV	40	-9.08	-0.005	PASS
Band2	1.4	18900	6	#0	QPSK	NV	50	-8.23	-0.004	PASS
Band2	1.4	18900	6	#0	16QAM	NV	-30	-6.90	-0.004	PASS
Band2	1.4	18900	6	#0	16QAM	NV	-20	-7.67	-0.004	PASS
Band2	1.4	18900	6	#0	16QAM	NV	-10	-7.62	-0.004	PASS
Band2	1.4	18900	6	#0	16QAM	NV	0	-8.27	-0.004	PASS
Band2	1.4	18900	6	#0	16QAM	NV	10	-7.68	-0.004	PASS
Band2	1.4	18900	6	#0	16QAM	NV	20	-7.71	-0.004	PASS
Band2	1.4	18900	6	#0	16QAM	NV	30	-6.77	-0.004	PASS
Band2	1.4	18900	6	#0	16QAM	NV	40	-7.27	-0.004	PASS
Band2	1.4	18900	6	#0	16QAM	NV	50	-5.42	-0.003	PASS
Band2	1.4	19193	6	#0	QPSK	NV	-30	-7.10	-0.004	PASS
Band2	1.4	19193	6	#0	QPSK	NV	-20	-10.70	-0.006	PASS
Band2	1.4	19193	6	#0	QPSK	NV	-10	-10.81	-0.006	PASS
Band2	1.4	19193	6	#0	QPSK	NV	0	-8.81	-0.005	PASS

Band2	1.4	19193	6	#0	QPSK	NV	10	-10.29	-0.005	PASS
Band2	1.4	19193	6	#0	QPSK	NV	20	-8.38	-0.004	PASS
Band2	1.4	19193	6	#0	QPSK	NV	30	-6.62	-0.003	PASS
Band2	1.4	19193	6	#0	QPSK	NV	40	-5.36	-0.003	PASS
Band2	1.4	19193	6	#0	QPSK	NV	50	-6.72	-0.004	PASS
Band2	1.4	19193	6	#0	16QAM	NV	-30	-6.88	-0.004	PASS
Band2	1.4	19193	6	#0	16QAM	NV	-20	-6.94	-0.004	PASS
Band2	1.4	19193	6	#0	16QAM	NV	-10	-6.94	-0.004	PASS
Band2	1.4	19193	6	#0	16QAM	NV	0	-7.28	-0.004	PASS
Band2	1.4	19193	6	#0	16QAM	NV	10	-5.04	-0.003	PASS
Band2	1.4	19193	6	#0	16QAM	NV	20	-7.40	-0.004	PASS
Band2	1.4	19193	6	#0	16QAM	NV	30	-6.54	-0.003	PASS
Band2	1.4	19193	6	#0	16QAM	NV	40	-6.27	-0.003	PASS
Band2	1.4	19193	6	#0	16QAM	NV	50	-8.25	-0.004	PASS
Band2	3	18615	15	#0	QPSK	NV	-30	-6.91	-0.004	PASS
Band2	3	18615	15	#0	QPSK	NV	-20	-5.42	-0.003	PASS
Band2	3	18615	15	#0	QPSK	NV	-10	-5.65	-0.003	PASS
Band2	3	18615	15	#0	QPSK	NV	0	-9.14	-0.005	PASS
Band2	3	18615	15	#0	QPSK	NV	10	-5.01	-0.003	PASS
Band2	3	18615	15	#0	QPSK	NV	20	-10.11	-0.005	PASS
Band2	3	18615	15	#0	QPSK	NV	30	-7.82	-0.004	PASS
Band2	3	18615	15	#0	QPSK	NV	40	-6.64	-0.004	PASS
Band2	3	18615	15	#0	QPSK	NV	50	-6.75	-0.004	PASS
Band2	3	18615	15	#0	16QAM	NV	-30	-4.98	-0.003	PASS
Band2	3	18615	15	#0	16QAM	NV	-20	-5.35	-0.003	PASS
Band2	3	18615	15	#0	16QAM	NV	-10	-5.55	-0.003	PASS
Band2	3	18615	15	#0	16QAM	NV	0	-7.21	-0.004	PASS
Band2	3	18615	15	#0	16QAM	NV	10	-6.91	-0.004	PASS
Band2	3	18615	15	#0	16QAM	NV	20	-7.10	-0.004	PASS
Band2	3	18615	15	#0	16QAM	NV	30	-7.84	-0.004	PASS
Band2	3	18615	15	#0	16QAM	NV	40	-4.59	-0.002	PASS
Band2	3	18615	15	#0	16QAM	NV	50	-5.82	-0.003	PASS
Band2	3	18900	15	#0	QPSK	NV	-30	-6.38	-0.003	PASS
Band2	3	18900	15	#0	QPSK	NV	-20	-8.55	-0.005	PASS
Band2	3	18900	15	#0	QPSK	NV	-10	-5.68	-0.003	PASS
Band2	3	18900	15	#0	QPSK	NV	0	-6.51	-0.003	PASS
Band2	3	18900	15	#0	QPSK	NV	10	-7.77	-0.004	PASS
Band2	3	18900	15	#0	QPSK	NV	20	-8.08	-0.004	PASS
Band2	3	18900	15	#0	QPSK	NV	30	-5.31	-0.003	PASS
Band2	3	18900	15	#0	QPSK	NV	40	-6.74	-0.004	PASS
Band2	3	18900	15	#0	QPSK	NV	50	-8.21	-0.004	PASS
Band2	3	18900	15	#0	16QAM	NV	-30	-8.38	-0.004	PASS
Band2	3	18900	15	#0	16QAM	NV	-20	-6.05	-0.003	PASS

Band2	3	18900	15	#0	16QAM	NV	-10	-7.25	-0.004	PASS
Band2	3	18900	15	#0	16QAM	NV	0	-5.69	-0.003	PASS
Band2	3	18900	15	#0	16QAM	NV	10	-5.31	-0.003	PASS
Band2	3	18900	15	#0	16QAM	NV	20	-4.25	-0.002	PASS
Band2	3	18900	15	#0	16QAM	NV	30	-5.31	-0.003	PASS
Band2	3	18900	15	#0	16QAM	NV	40	-6.75	-0.004	PASS
Band2	3	18900	15	#0	16QAM	NV	50	-6.48	-0.003	PASS
Band2	3	19185	15	#0	QPSK	NV	-30	-7.38	-0.004	PASS
Band2	3	19185	15	#0	QPSK	NV	-20	-7.01	-0.004	PASS
Band2	3	19185	15	#0	QPSK	NV	-10	-6.95	-0.004	PASS
Band2	3	19185	15	#0	QPSK	NV	0	-5.36	-0.003	PASS
Band2	3	19185	15	#0	QPSK	NV	10	-5.89	-0.003	PASS
Band2	3	19185	15	#0	QPSK	NV	20	-8.05	-0.004	PASS
Band2	3	19185	15	#0	QPSK	NV	30	-7.12	-0.004	PASS
Band2	3	19185	15	#0	QPSK	NV	40	-7.02	-0.004	PASS
Band2	3	19185	15	#0	QPSK	NV	50	-7.71	-0.004	PASS
Band2	3	19185	15	#0	16QAM	NV	-30	-5.34	-0.003	PASS
Band2	3	19185	15	#0	16QAM	NV	-20	-2.79	-0.001	PASS
Band2	3	19185	15	#0	16QAM	NV	-10	0.37	0.000	PASS
Band2	3	19185	15	#0	16QAM	NV	0	-6.27	-0.003	PASS
Band2	3	19185	15	#0	16QAM	NV	10	-6.47	-0.003	PASS
Band2	3	19185	15	#0	16QAM	NV	20	-5.95	-0.003	PASS
Band2	3	19185	15	#0	16QAM	NV	30	-2.80	-0.001	PASS
Band2	3	19185	15	#0	16QAM	NV	40	-3.91	-0.002	PASS
Band2	3	19185	15	#0	16QAM	NV	50	-4.84	-0.003	PASS
Band2	5	18625	25	#0	QPSK	NV	-30	-9.31	-0.005	PASS
Band2	5	18625	25	#0	QPSK	NV	-20	-6.18	-0.003	PASS
Band2	5	18625	25	#0	QPSK	NV	-10	-8.10	-0.004	PASS
Band2	5	18625	25	#0	QPSK	NV	0	-4.62	-0.002	PASS
Band2	5	18625	25	#0	QPSK	NV	10	-1.07	-0.001	PASS
Band2	5	18625	25	#0	QPSK	NV	20	-5.81	-0.003	PASS
Band2	5	18625	25	#0	QPSK	NV	30	-7.18	-0.004	PASS
Band2	5	18625	25	#0	QPSK	NV	40	-5.19	-0.003	PASS
Band2	5	18625	25	#0	QPSK	NV	50	-7.32	-0.004	PASS
Band2	5	18625	25	#0	16QAM	NV	-30	-7.02	-0.004	PASS
Band2	5	18625	25	#0	16QAM	NV	-20	-6.48	-0.003	PASS
Band2	5	18625	25	#0	16QAM	NV	-10	-5.98	-0.003	PASS
Band2	5	18625	25	#0	16QAM	NV	0	-7.07	-0.004	PASS
Band2	5	18625	25	#0	16QAM	NV	10	-6.38	-0.003	PASS
Band2	5	18625	25	#0	16QAM	NV	20	-6.85	-0.004	PASS
Band2	5	18625	25	#0	16QAM	NV	30	-2.03	-0.001	PASS
Band2	5	18625	25	#0	16QAM	NV	40	-4.63	-0.002	PASS
Band2	5	18625	25	#0	16QAM	NV	50	-5.59	-0.003	PASS

Band2	5	18900	25	#0	QPSK	NV	-30	-7.34	-0.004	PASS
Band2	5	18900	25	#0	QPSK	NV	-20	-5.44	-0.003	PASS
Band2	5	18900	25	#0	QPSK	NV	-10	-6.75	-0.004	PASS
Band2	5	18900	25	#0	QPSK	NV	0	-3.66	-0.002	PASS
Band2	5	18900	25	#0	QPSK	NV	10	-5.92	-0.003	PASS
Band2	5	18900	25	#0	QPSK	NV	20	-4.22	-0.002	PASS
Band2	5	18900	25	#0	QPSK	NV	30	-6.85	-0.004	PASS
Band2	5	18900	25	#0	QPSK	NV	40	-5.35	-0.003	PASS
Band2	5	18900	25	#0	QPSK	NV	50	-5.97	-0.003	PASS
Band2	5	18900	25	#0	16QAM	NV	-30	-5.55	-0.003	PASS
Band2	5	18900	25	#0	16QAM	NV	-20	-6.81	-0.004	PASS
Band2	5	18900	25	#0	16QAM	NV	-10	-4.61	-0.002	PASS
Band2	5	18900	25	#0	16QAM	NV	0	-4.42	-0.002	PASS
Band2	5	18900	25	#0	16QAM	NV	10	-4.76	-0.003	PASS
Band2	5	18900	25	#0	16QAM	NV	20	-3.36	-0.002	PASS
Band2	5	18900	25	#0	16QAM	NV	30	-4.79	-0.003	PASS
Band2	5	18900	25	#0	16QAM	NV	40	-5.26	-0.003	PASS
Band2	5	18900	25	#0	16QAM	NV	50	-3.26	-0.002	PASS
Band2	5	19175	25	#0	QPSK	NV	-30	-5.02	-0.003	PASS
Band2	5	19175	25	#0	QPSK	NV	-20	-5.87	-0.003	PASS
Band2	5	19175	25	#0	QPSK	NV	-10	-4.32	-0.002	PASS
Band2	5	19175	25	#0	QPSK	NV	0	-4.61	-0.002	PASS
Band2	5	19175	25	#0	QPSK	NV	10	-6.49	-0.003	PASS
Band2	5	19175	25	#0	QPSK	NV	20	-7.14	-0.004	PASS
Band2	5	19175	25	#0	QPSK	NV	30	-8.34	-0.004	PASS
Band2	5	19175	25	#0	QPSK	NV	40	-5.04	-0.003	PASS
Band2	5	19175	25	#0	QPSK	NV	50	-4.12	-0.002	PASS
Band2	5	19175	25	#0	16QAM	NV	-30	-4.18	-0.002	PASS
Band2	5	19175	25	#0	16QAM	NV	-20	-5.14	-0.003	PASS
Band2	5	19175	25	#0	16QAM	NV	-10	-7.28	-0.004	PASS
Band2	5	19175	25	#0	16QAM	NV	0	-5.74	-0.003	PASS
Band2	5	19175	25	#0	16QAM	NV	10	-4.66	-0.002	PASS
Band2	5	19175	25	#0	16QAM	NV	20	-6.64	-0.003	PASS
Band2	5	19175	25	#0	16QAM	NV	30	-7.38	-0.004	PASS
Band2	5	19175	25	#0	16QAM	NV	40	-4.55	-0.002	PASS
Band2	5	19175	25	#0	16QAM	NV	50	-6.05	-0.003	PASS
Band2	10	18650	50	#0	QPSK	NV	-30	-5.75	-0.003	PASS
Band2	10	18650	50	#0	QPSK	NV	-20	-4.51	-0.002	PASS
Band2	10	18650	50	#0	QPSK	NV	-10	-5.38	-0.003	PASS
Band2	10	18650	50	#0	QPSK	NV	0	-6.64	-0.004	PASS
Band2	10	18650	50	#0	QPSK	NV	10	-6.04	-0.003	PASS
Band2	10	18650	50	#0	QPSK	NV	20	-6.37	-0.003	PASS
Band2	10	18650	50	#0	QPSK	NV	30	-3.76	-0.002	PASS

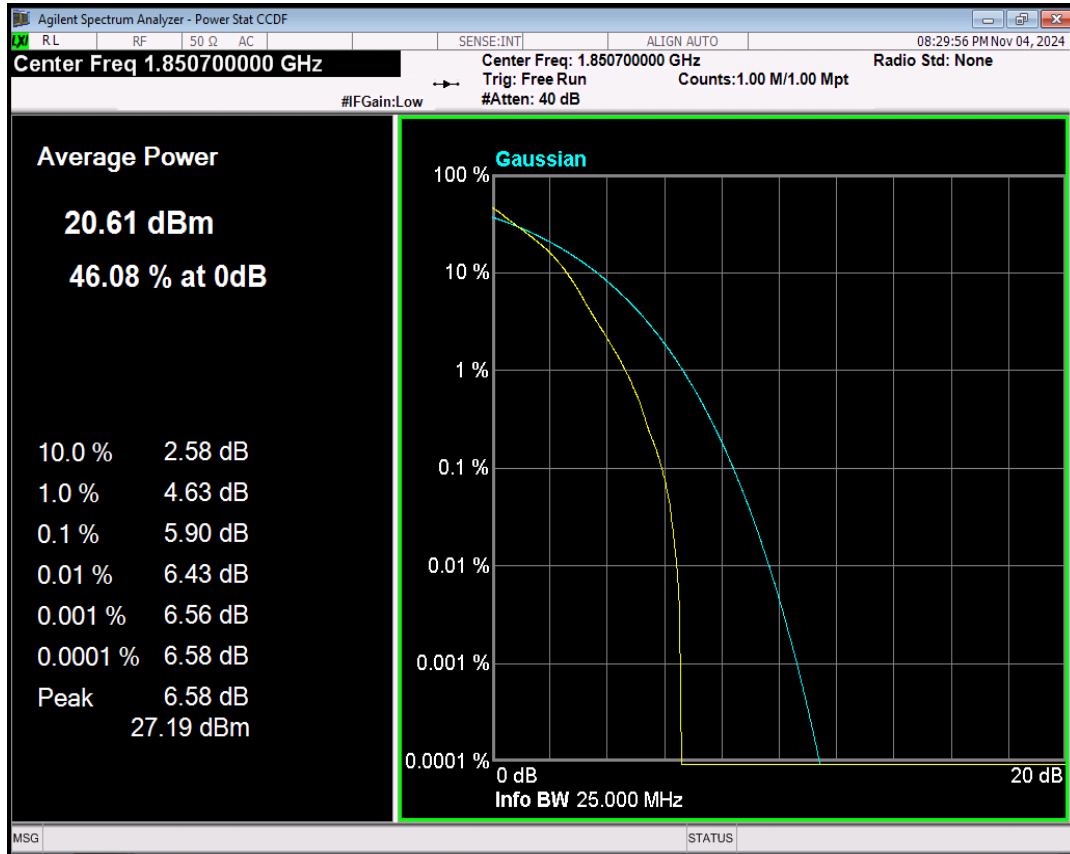
Band2	10	18650	50	#0	QPSK	NV	40	-5.45	-0.003	PASS
Band2	10	18650	50	#0	QPSK	NV	50	-5.12	-0.003	PASS
Band2	10	18900	50	#0	QPSK	NV	-30	-5.87	-0.003	PASS
Band2	10	18900	50	#0	QPSK	NV	-20	-5.68	-0.003	PASS
Band2	10	18900	50	#0	QPSK	NV	-10	-4.62	-0.002	PASS
Band2	10	18900	50	#0	QPSK	NV	0	-6.92	-0.004	PASS
Band2	10	18900	50	#0	QPSK	NV	10	-4.75	-0.003	PASS
Band2	10	18900	50	#0	QPSK	NV	20	-5.12	-0.003	PASS
Band2	10	18900	50	#0	QPSK	NV	30	-6.48	-0.003	PASS
Band2	10	18900	50	#0	QPSK	NV	40	-6.47	-0.003	PASS
Band2	10	18900	50	#0	QPSK	NV	50	-7.18	-0.004	PASS
Band2	10	19150	50	#0	QPSK	NV	-30	-5.11	-0.003	PASS
Band2	10	19150	50	#0	QPSK	NV	-20	-7.11	-0.004	PASS
Band2	10	19150	50	#0	QPSK	NV	-10	-9.01	-0.005	PASS
Band2	10	19150	50	#0	QPSK	NV	0	-8.47	-0.004	PASS
Band2	10	19150	50	#0	QPSK	NV	10	-5.97	-0.003	PASS
Band2	10	19150	50	#0	QPSK	NV	20	-6.14	-0.003	PASS
Band2	10	19150	50	#0	QPSK	NV	30	-6.68	-0.004	PASS
Band2	10	19150	50	#0	QPSK	NV	40	-6.48	-0.003	PASS
Band2	10	19150	50	#0	QPSK	NV	50	-7.44	-0.004	PASS
Band2	15	18675	75	#0	QPSK	NV	-30	-7.54	-0.004	PASS
Band2	15	18675	75	#0	QPSK	NV	-20	-4.73	-0.003	PASS
Band2	15	18675	75	#0	QPSK	NV	-10	-5.69	-0.003	PASS
Band2	15	18675	75	#0	QPSK	NV	0	-3.79	-0.002	PASS
Band2	15	18675	75	#0	QPSK	NV	10	-1.75	-0.001	PASS
Band2	15	18675	75	#0	QPSK	NV	20	-5.32	-0.003	PASS
Band2	15	18675	75	#0	QPSK	NV	30	-7.17	-0.004	PASS
Band2	15	18675	75	#0	QPSK	NV	40	-3.50	-0.002	PASS
Band2	15	18675	75	#0	QPSK	NV	50	-4.71	-0.003	PASS
Band2	15	18900	75	#0	QPSK	NV	-30	-3.98	-0.002	PASS
Band2	15	18900	75	#0	QPSK	NV	-20	-4.94	-0.003	PASS
Band2	15	18900	75	#0	QPSK	NV	-10	-5.75	-0.003	PASS
Band2	15	18900	75	#0	QPSK	NV	0	-4.94	-0.003	PASS
Band2	15	18900	75	#0	QPSK	NV	10	-3.76	-0.002	PASS
Band2	15	18900	75	#0	QPSK	NV	20	-5.39	-0.003	PASS
Band2	15	18900	75	#0	QPSK	NV	30	-5.91	-0.003	PASS
Band2	15	18900	75	#0	QPSK	NV	40	-4.41	-0.002	PASS
Band2	15	18900	75	#0	QPSK	NV	50	-5.38	-0.003	PASS
Band2	15	19125	75	#0	QPSK	NV	-30	-4.84	-0.003	PASS
Band2	15	19125	75	#0	QPSK	NV	-20	-5.64	-0.003	PASS
Band2	15	19125	75	#0	QPSK	NV	-10	-6.12	-0.003	PASS
Band2	15	19125	75	#0	QPSK	NV	0	-5.85	-0.003	PASS
Band2	15	19125	75	#0	QPSK	NV	10	-4.41	-0.002	PASS

Band2	15	19125	75	#0	QPSK	NV	20	-4.84	-0.003	PASS
Band2	15	19125	75	#0	QPSK	NV	30	-5.26	-0.003	PASS
Band2	15	19125	75	#0	QPSK	NV	40	-7.02	-0.004	PASS
Band2	15	19125	75	#0	QPSK	NV	50	-6.54	-0.003	PASS
Band2	20	18700	100	#0	QPSK	NV	-30	-6.18	-0.003	PASS
Band2	20	18700	100	#0	QPSK	NV	-20	-4.39	-0.002	PASS
Band2	20	18700	100	#0	QPSK	NV	-10	-1.76	-0.001	PASS
Band2	20	18700	100	#0	QPSK	NV	0	0.77	0.000	PASS
Band2	20	18700	100	#0	QPSK	NV	10	0.53	0.000	PASS
Band2	20	18700	100	#0	QPSK	NV	20	1.12	0.001	PASS
Band2	20	18700	100	#0	QPSK	NV	30	-1.19	-0.001	PASS
Band2	20	18700	100	#0	QPSK	NV	40	-0.84	0.000	PASS
Band2	20	18700	100	#0	QPSK	NV	50	-5.59	-0.003	PASS
Band2	20	18900	100	#0	QPSK	NV	-30	-4.41	-0.002	PASS
Band2	20	18900	100	#0	QPSK	NV	-20	-5.61	-0.003	PASS
Band2	20	18900	100	#0	QPSK	NV	-10	-5.89	-0.003	PASS
Band2	20	18900	100	#0	QPSK	NV	0	-5.02	-0.003	PASS
Band2	20	18900	100	#0	QPSK	NV	10	-5.41	-0.003	PASS
Band2	20	18900	100	#0	QPSK	NV	20	-4.95	-0.003	PASS
Band2	20	18900	100	#0	QPSK	NV	30	-7.08	-0.004	PASS
Band2	20	18900	100	#0	QPSK	NV	40	-4.23	-0.002	PASS
Band2	20	18900	100	#0	QPSK	NV	50	-3.22	-0.002	PASS
Band2	20	19100	100	#0	QPSK	NV	-30	-5.19	-0.003	PASS
Band2	20	19100	100	#0	QPSK	NV	-20	-5.89	-0.003	PASS
Band2	20	19100	100	#0	QPSK	NV	-10	-5.31	-0.003	PASS
Band2	20	19100	100	#0	QPSK	NV	0	-4.49	-0.002	PASS
Band2	20	19100	100	#0	QPSK	NV	10	-5.45	-0.003	PASS
Band2	20	19100	100	#0	QPSK	NV	20	-6.08	-0.003	PASS
Band2	20	19100	100	#0	QPSK	NV	30	-4.95	-0.003	PASS
Band2	20	19100	100	#0	QPSK	NV	40	-5.68	-0.003	PASS
Band2	20	19100	100	#0	QPSK	NV	50	-6.14	-0.003	PASS

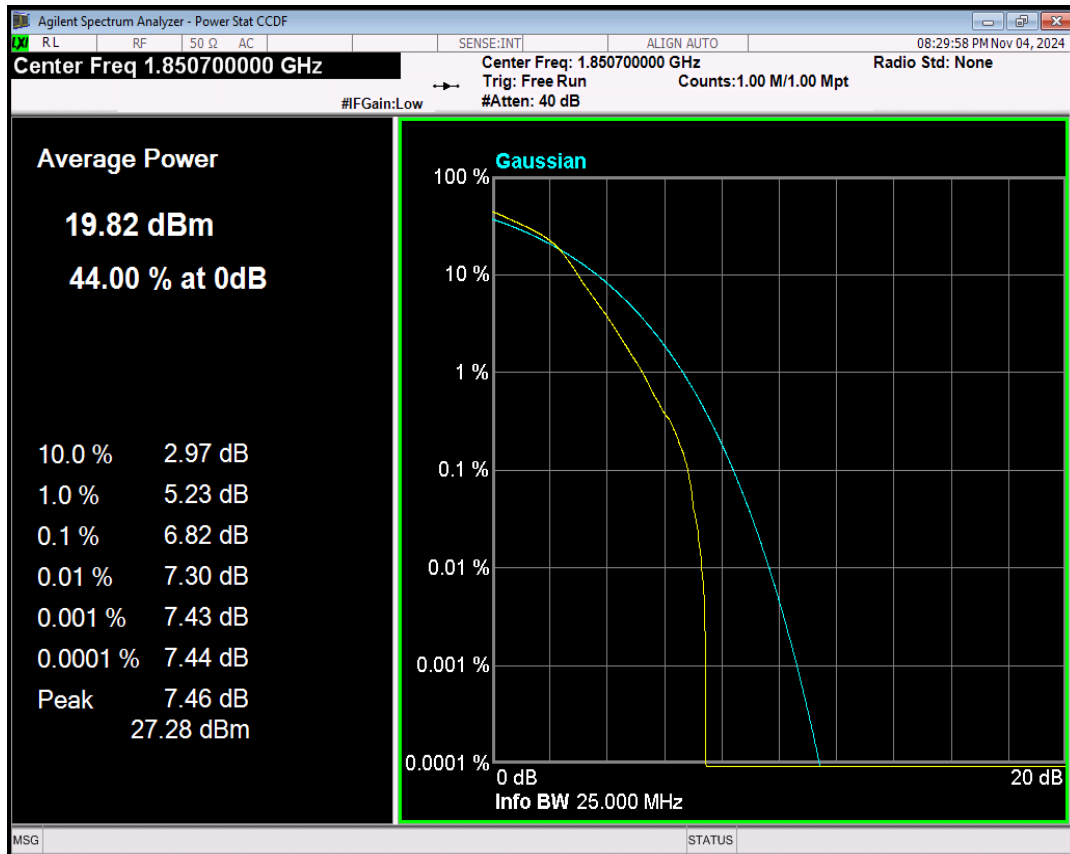
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band2	1.4	18607	1	#0	QPSK	5.90	13	PASS
Band2	1.4	18607	1	#0	16QAM	6.82	13	PASS
Band2	1.4	18900	1	#0	QPSK	5.31	13	PASS
Band2	1.4	18900	1	#0	16QAM	6.17	13	PASS
Band2	1.4	19193	1	#0	QPSK	5.40	13	PASS
Band2	1.4	19193	1	#0	16QAM	6.11	13	PASS
Band2	3	18615	1	#0	QPSK	5.67	13	PASS
Band2	3	18615	1	#0	16QAM	6.59	13	PASS
Band2	3	18900	1	#0	QPSK	5.09	13	PASS
Band2	3	18900	1	#0	16QAM	6.04	13	PASS
Band2	3	19185	1	#0	QPSK	5.46	13	PASS
Band2	3	19185	1	#0	16QAM	5.88	13	PASS
Band2	5	18625	1	#0	QPSK	5.99	13	PASS
Band2	5	18625	1	#0	16QAM	6.70	13	PASS
Band2	5	18900	1	#0	QPSK	4.82	13	PASS
Band2	5	18900	1	#0	16QAM	5.42	13	PASS
Band2	5	19175	1	#0	QPSK	5.27	13	PASS
Band2	5	19175	1	#0	16QAM	5.62	13	PASS
Band2	10	18650	1	#0	QPSK	5.93	13	PASS
Band2	10	18900	1	#0	QPSK	4.54	13	PASS
Band2	10	19150	1	#0	QPSK	5.20	13	PASS
Band2	15	18675	1	#0	QPSK	5.79	13	PASS
Band2	15	18900	1	#0	QPSK	4.59	13	PASS
Band2	15	19125	1	#0	QPSK	5.68	13	PASS
Band2	20	18700	1	#0	QPSK	5.63	13	PASS
Band2	20	18900	1	#0	QPSK	5.08	13	PASS
Band2	20	19100	1	#0	QPSK	5.82	13	PASS

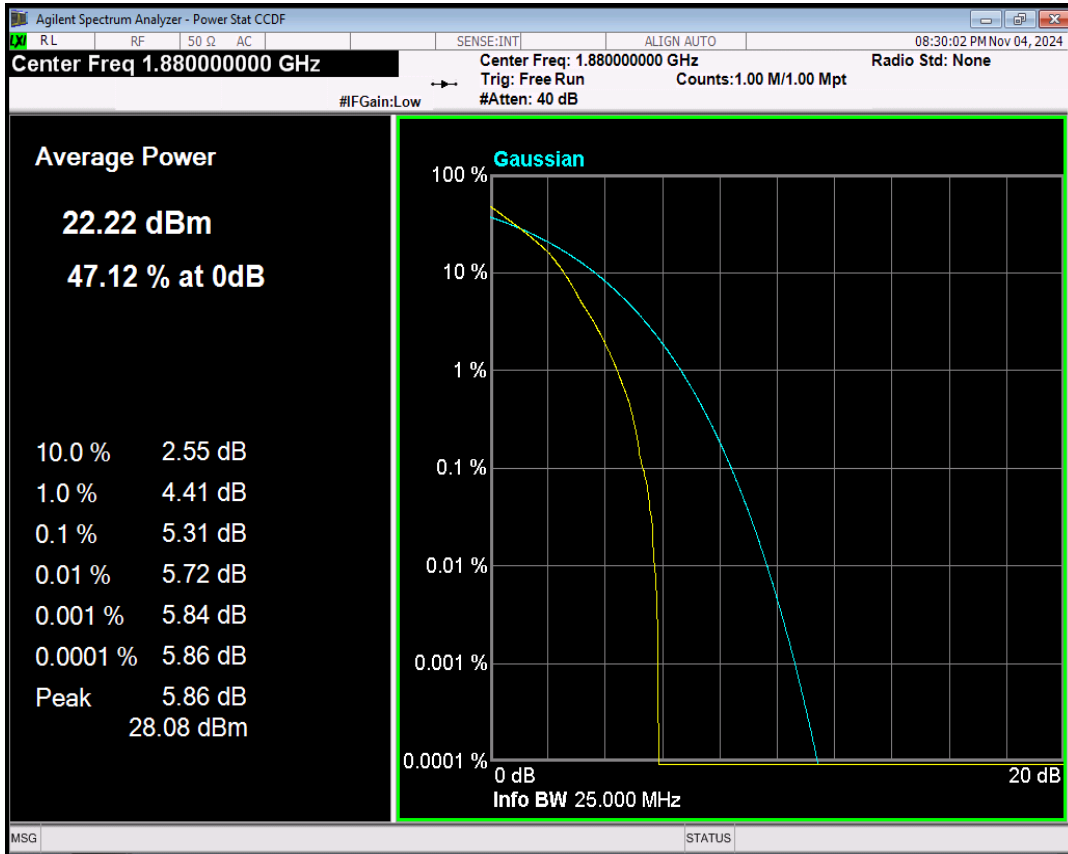
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=1 Position=#0



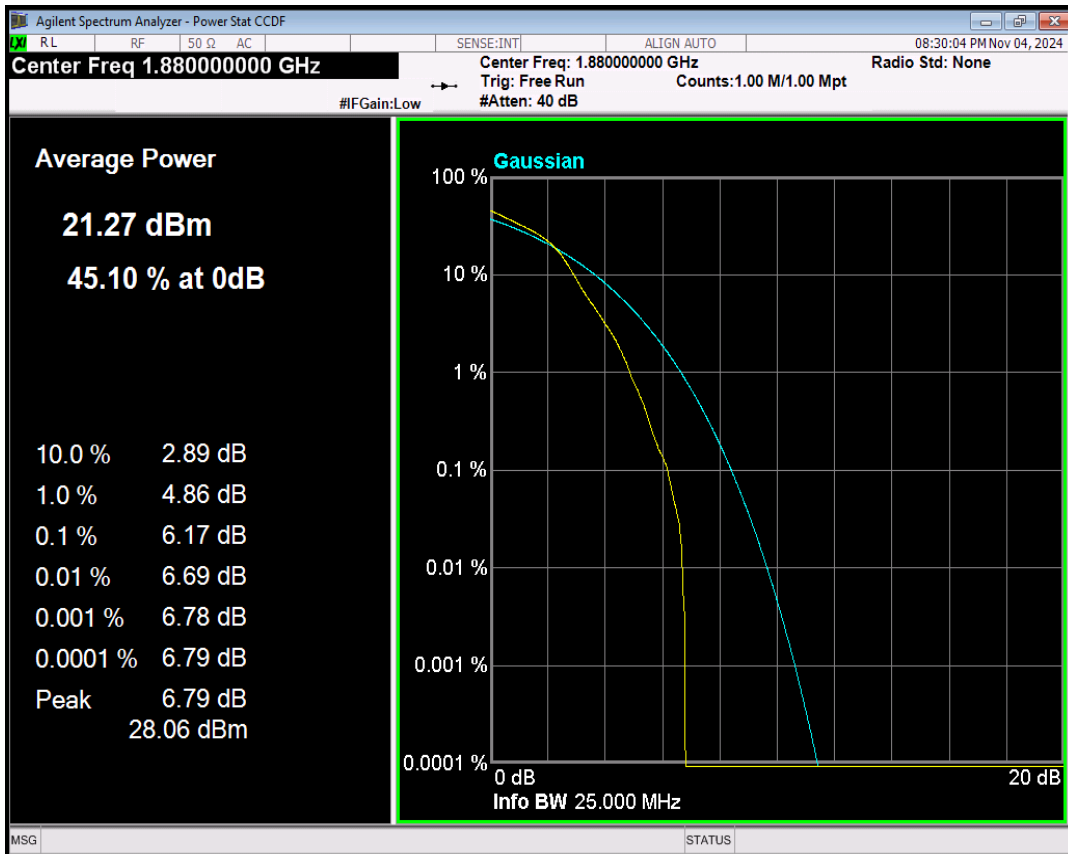
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=1 Position=#0



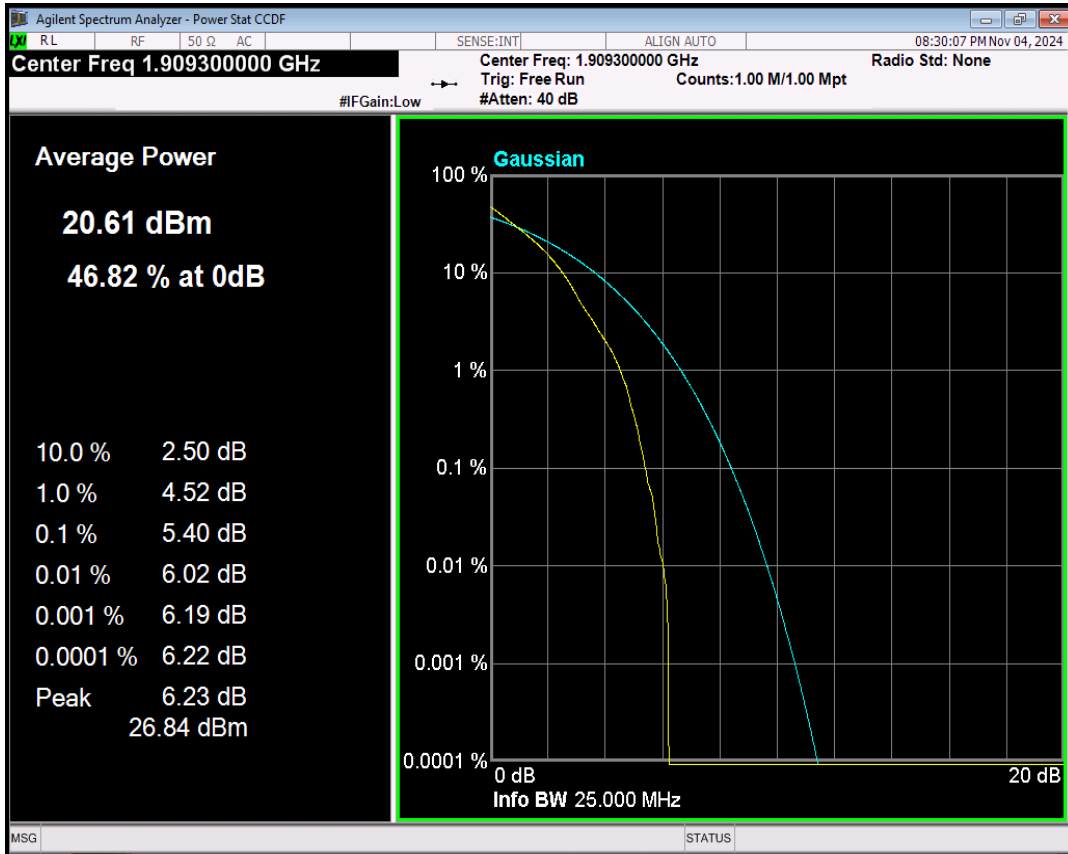
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=1 Position=#0



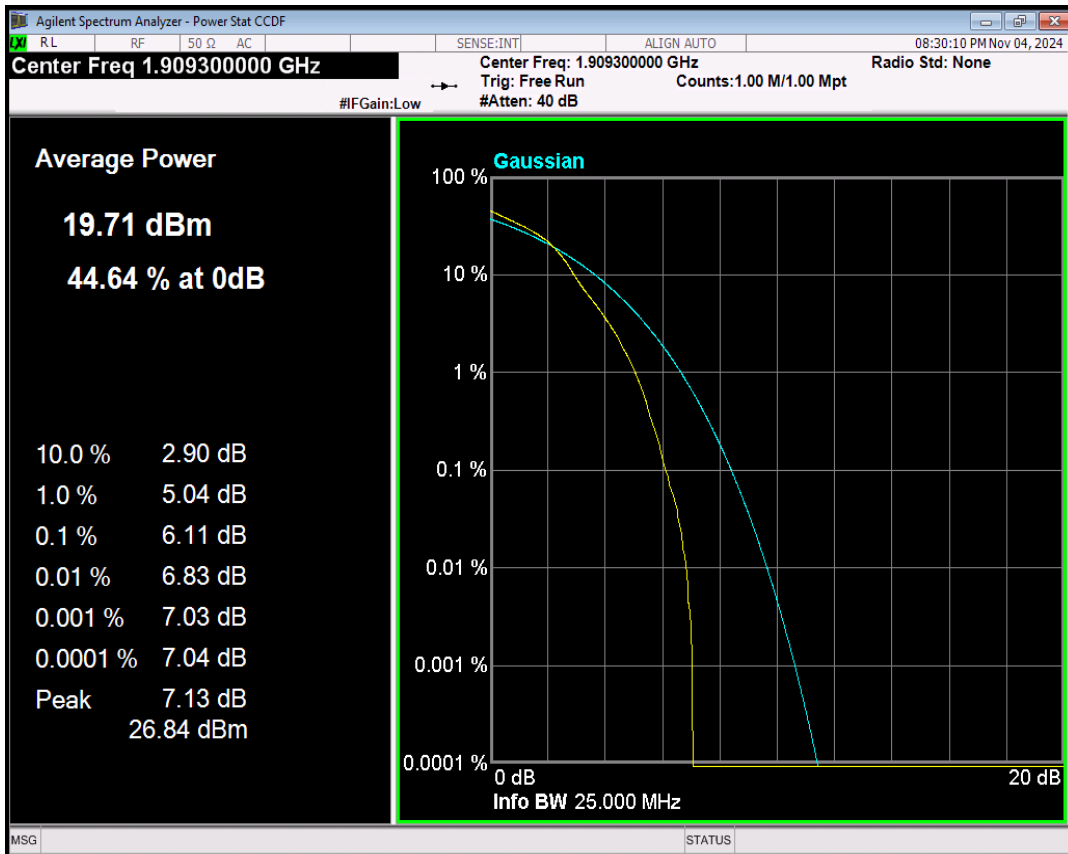
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=1 Position=#0



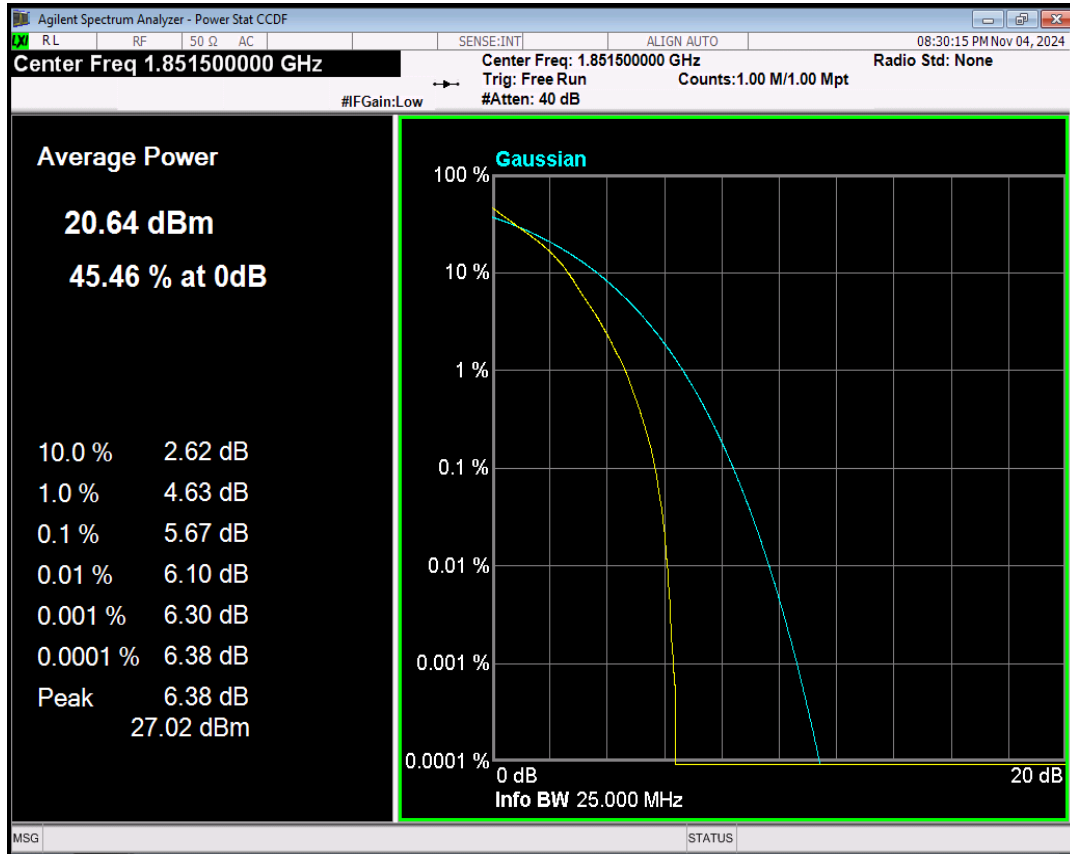
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=1 Position=#0



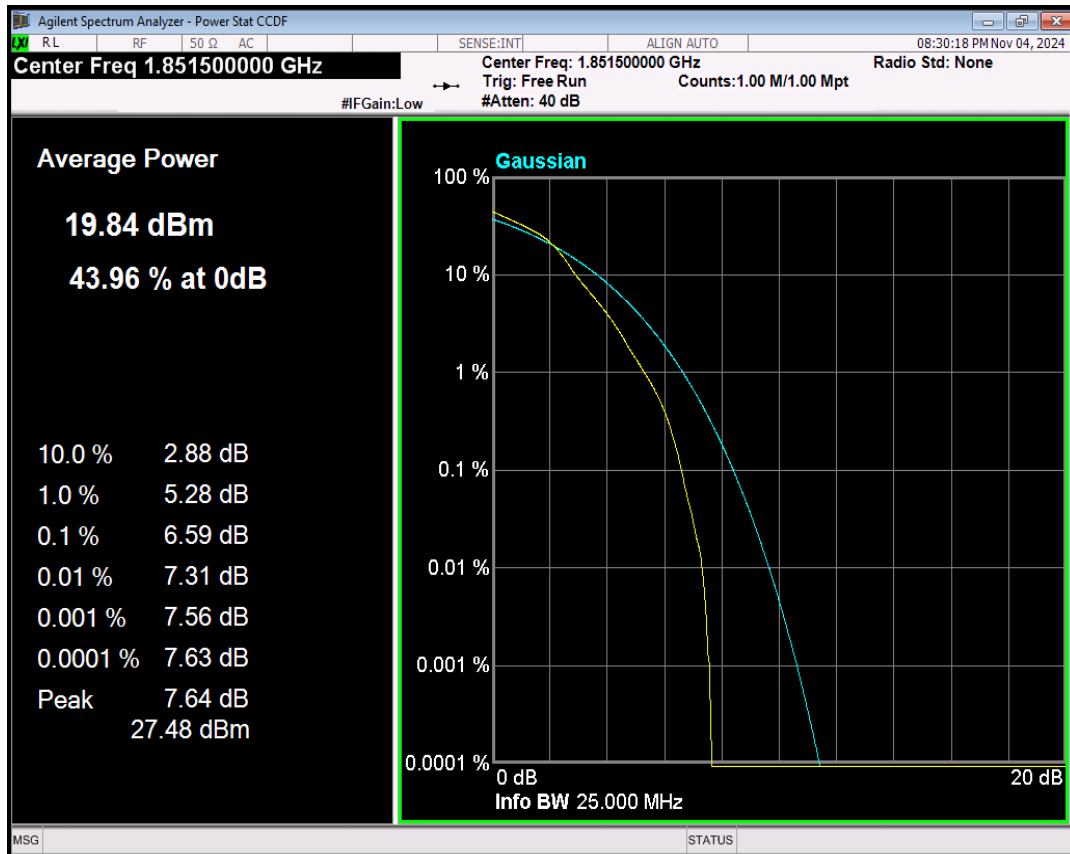
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=1 Position=#0



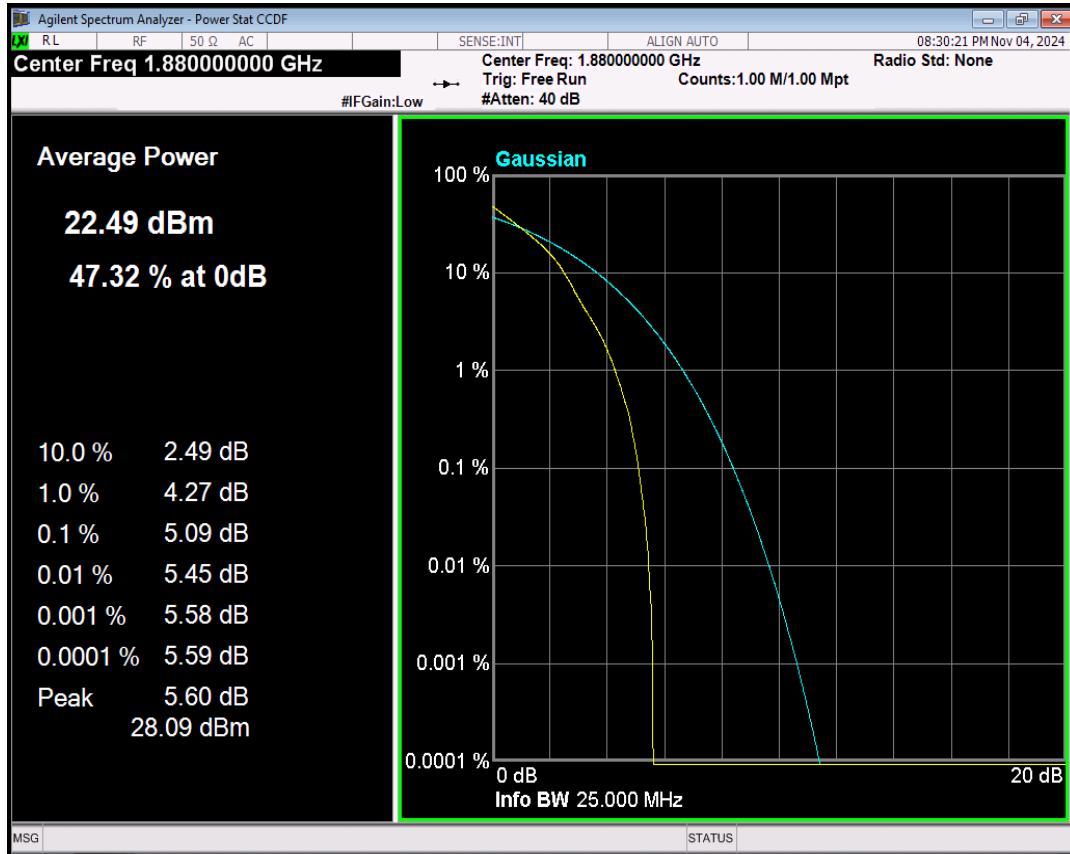
Band2 QPSK BW=3MHz Channel=18615 RB Size=1 Position=#0



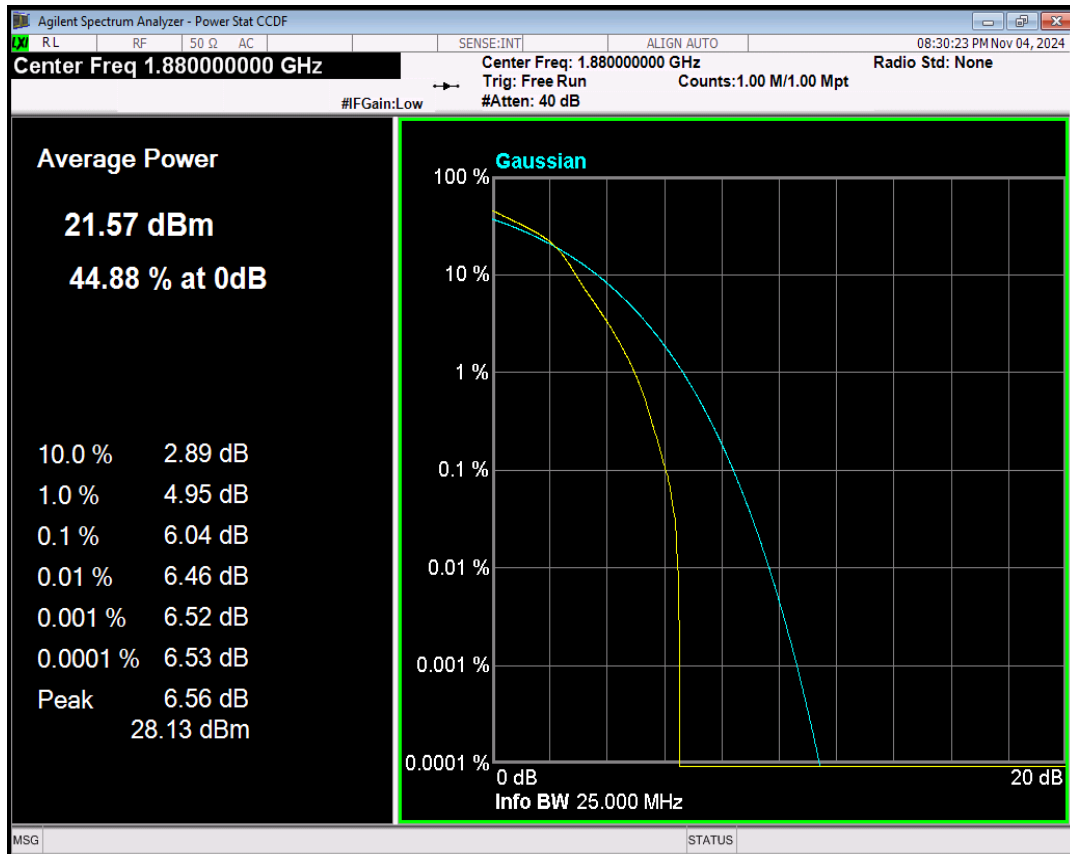
Band2 16QAM BW=3MHz Channel=18615 RB Size=1 Position=#0



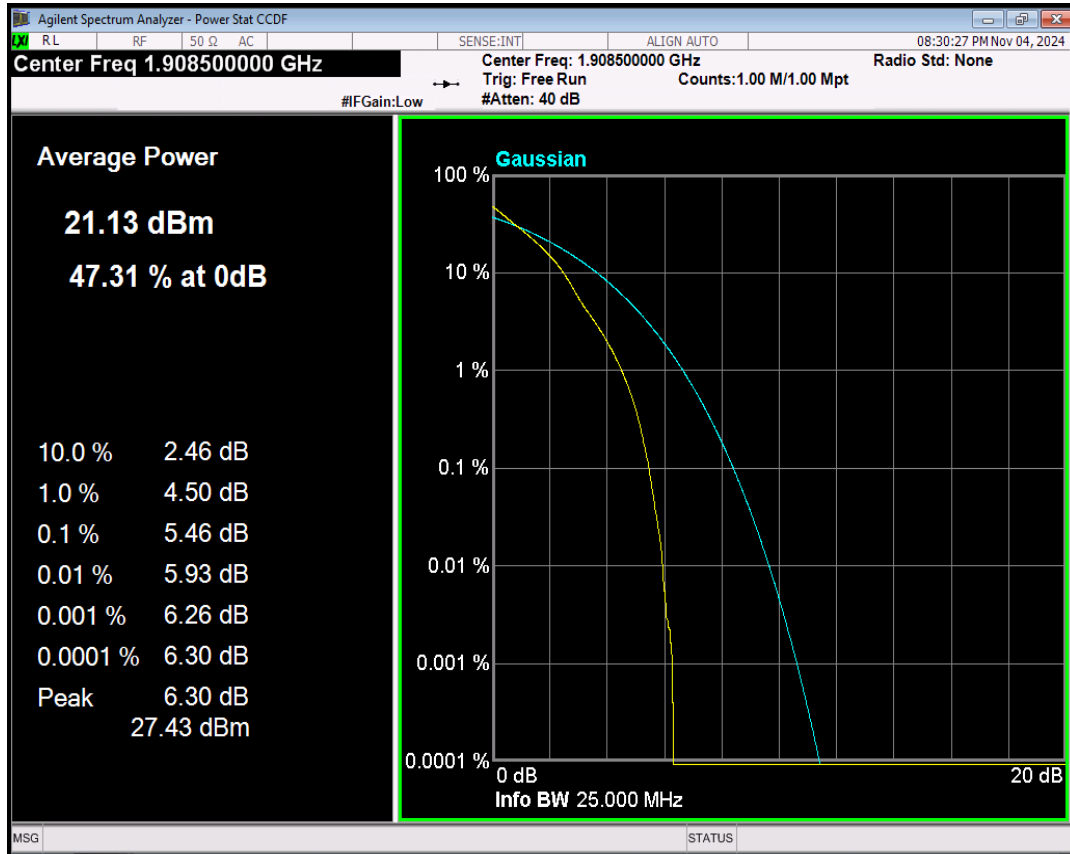
Band2 QPSK BW=3MHz Channel=18900 RB Size=1 Position=#0



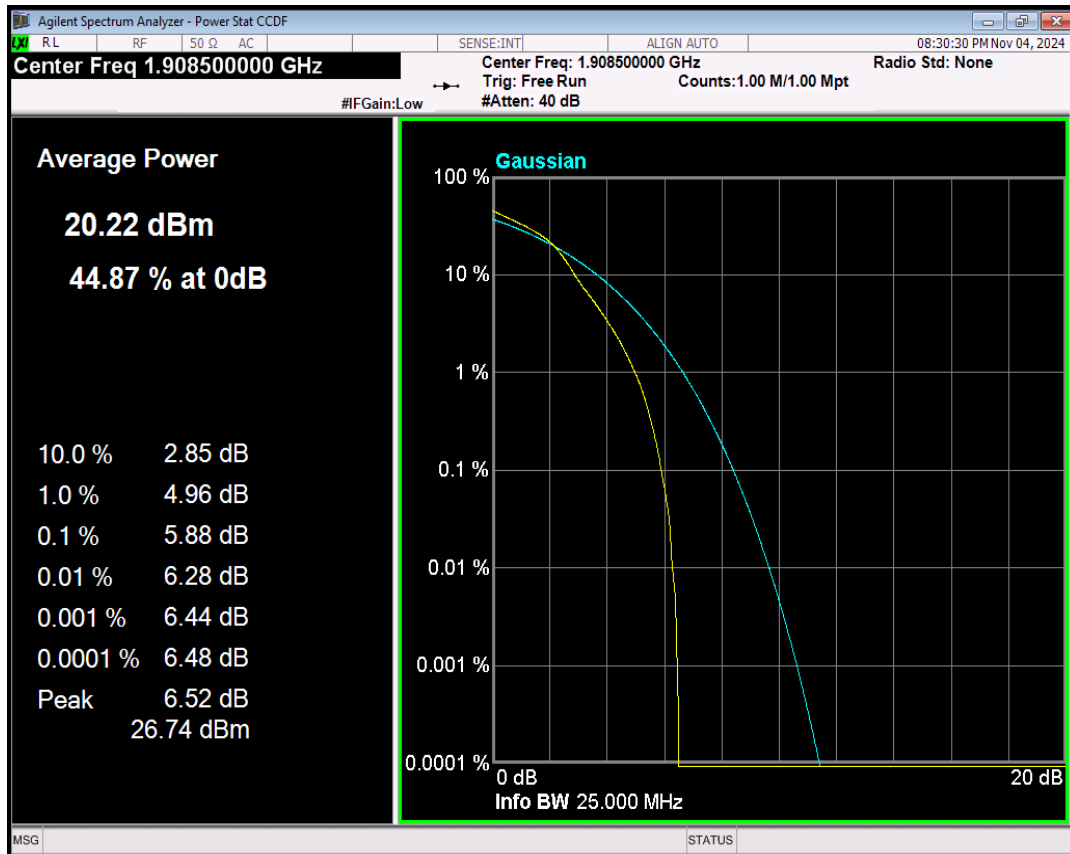
Band2 16QAM BW=3MHz Channel=18900 RB Size=1 Position=#0



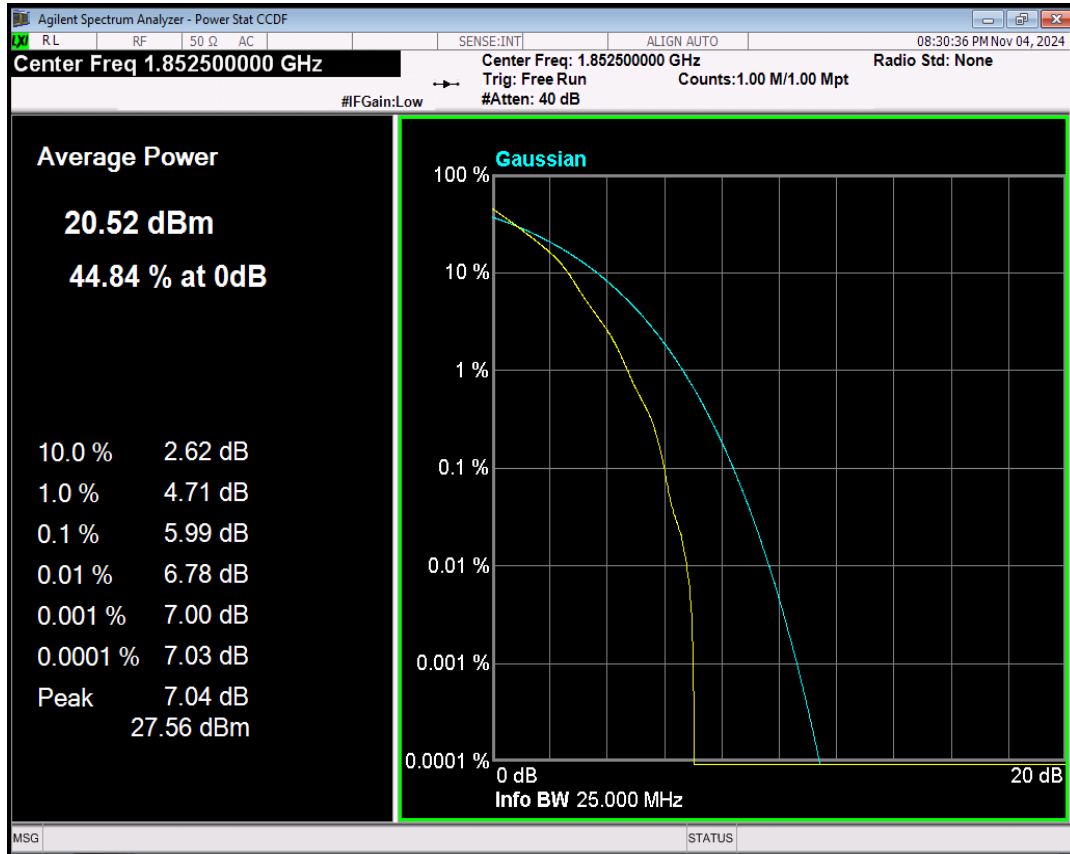
Band2 QPSK BW=3MHz Channel=19185 RB Size=1 Position=#0



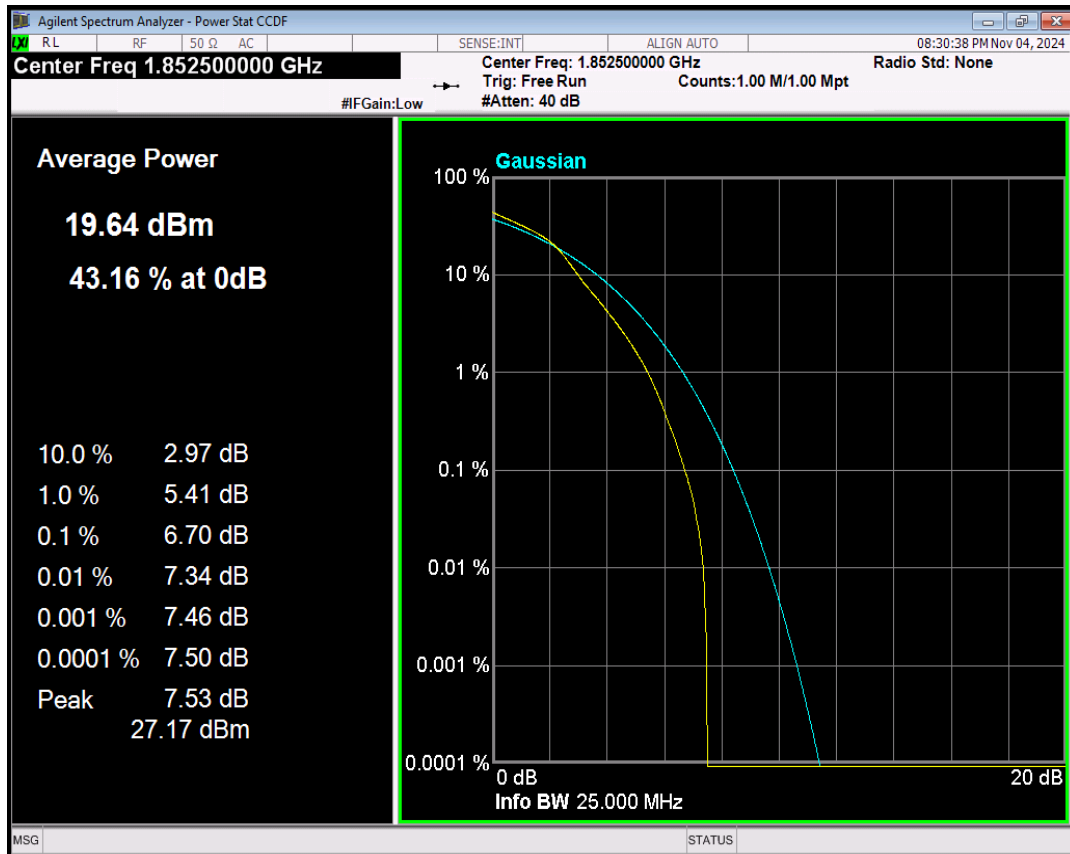
Band2 16QAM BW=3MHz Channel=19185 RB Size=1 Position=#0



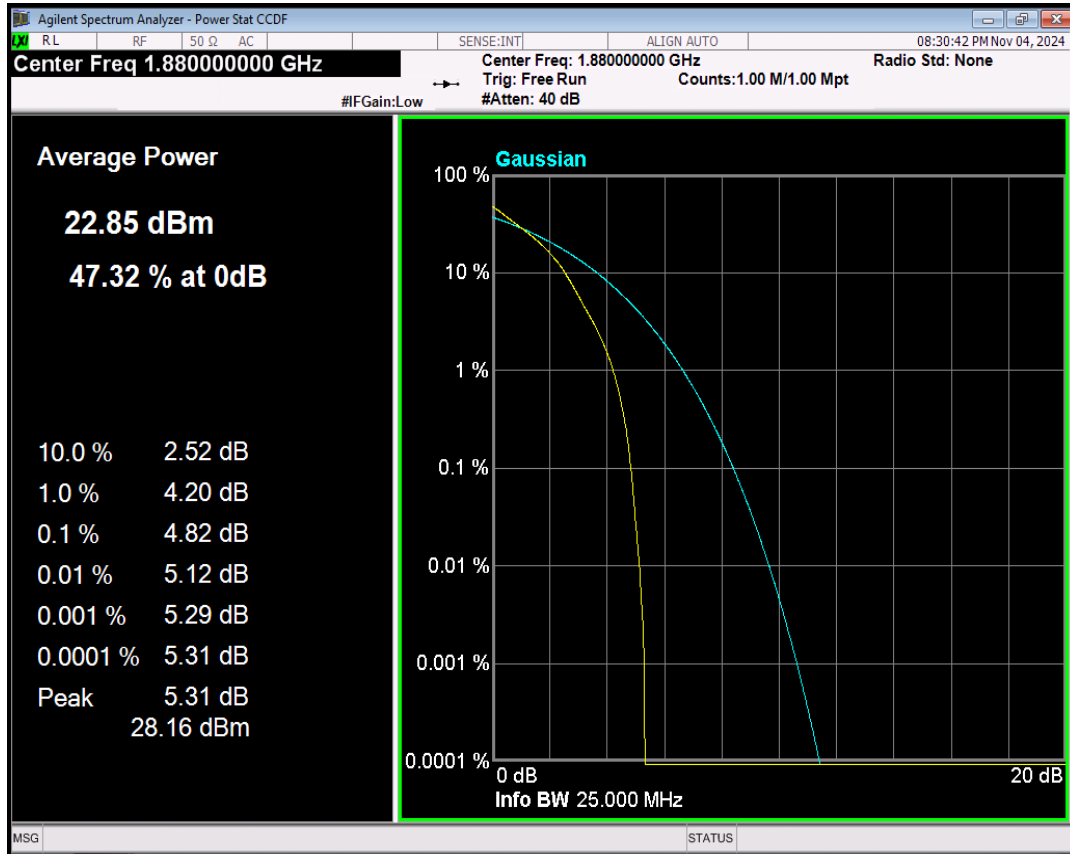
Band2 QPSK BW=5MHz Channel=18625 RB Size=1 Position=#0



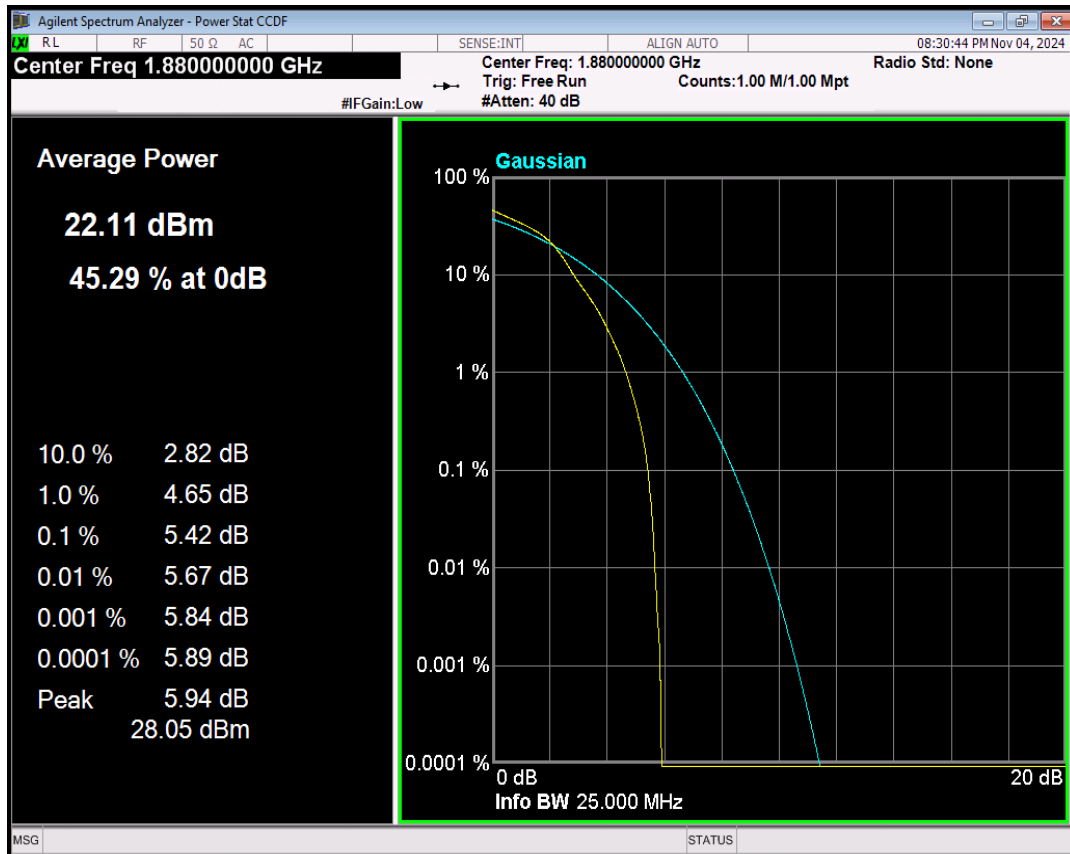
Band2 16QAM BW=5MHz Channel=18625 RB Size=1 Position=#0



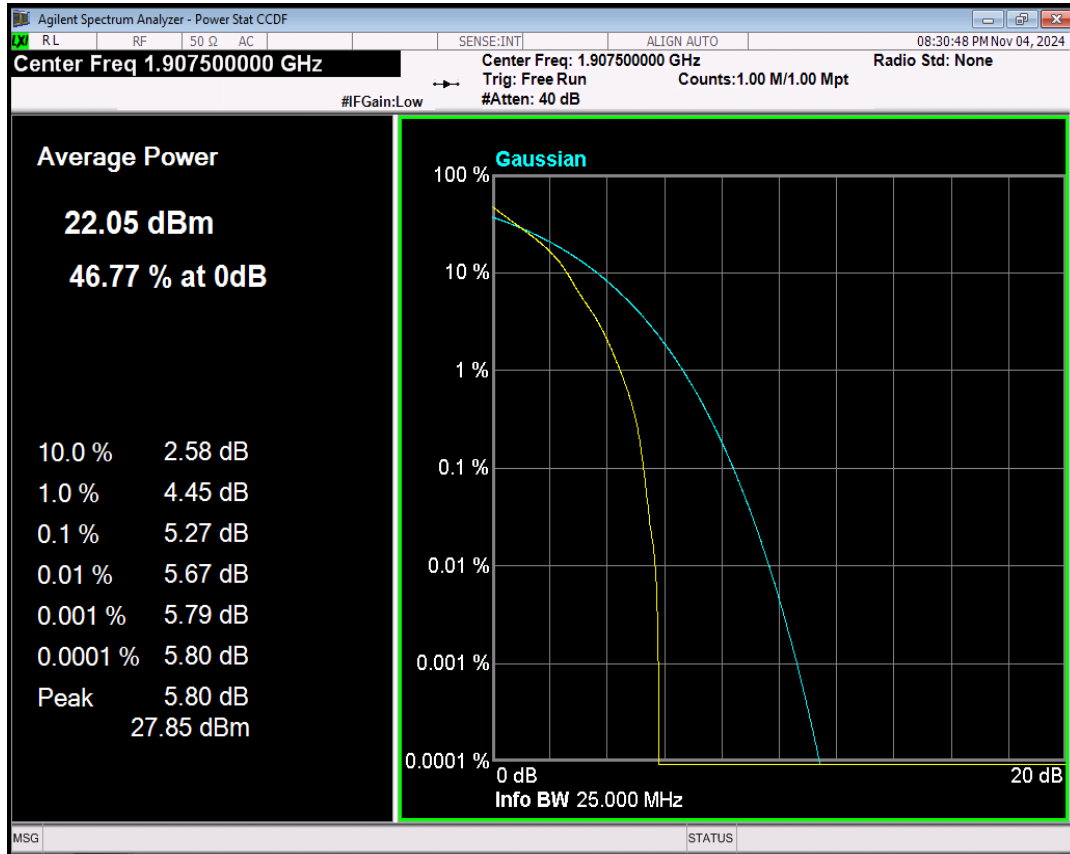
Band2 QPSK BW=5MHz Channel=18900 RB Size=1 Position=#0



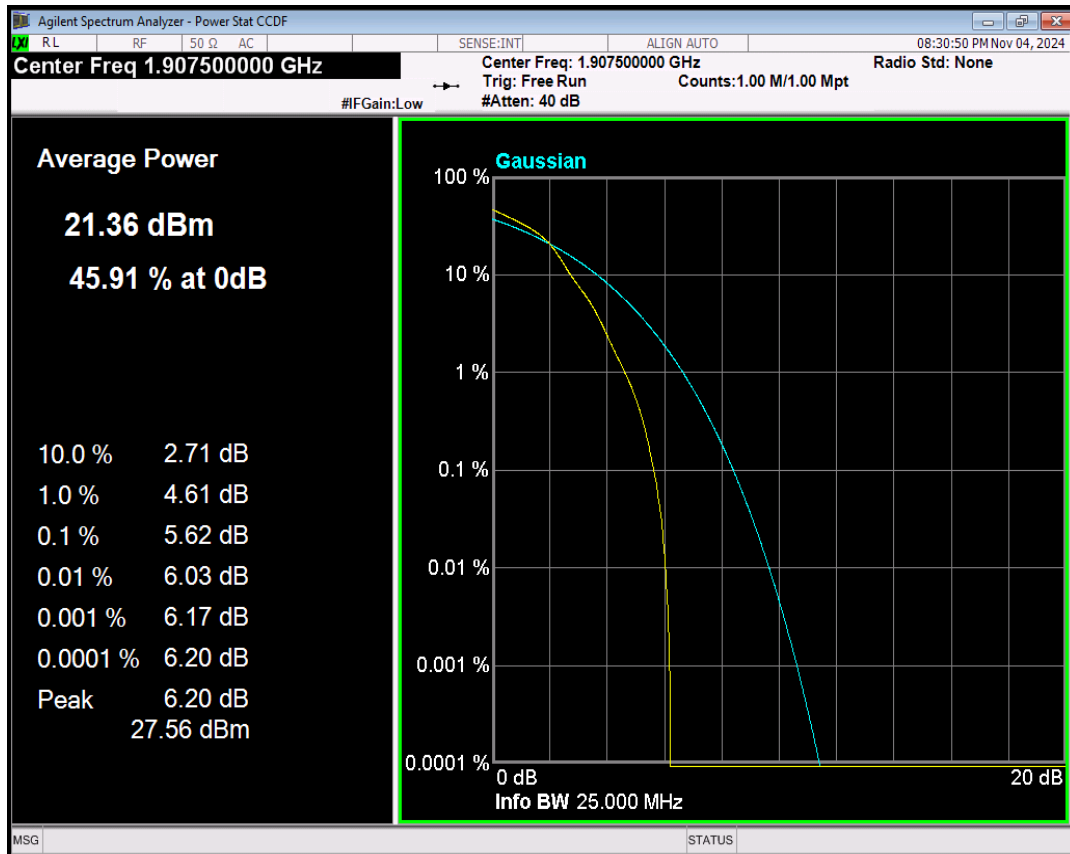
Band2 16QAM BW=5MHz Channel=18900 RB Size=1 Position=#0



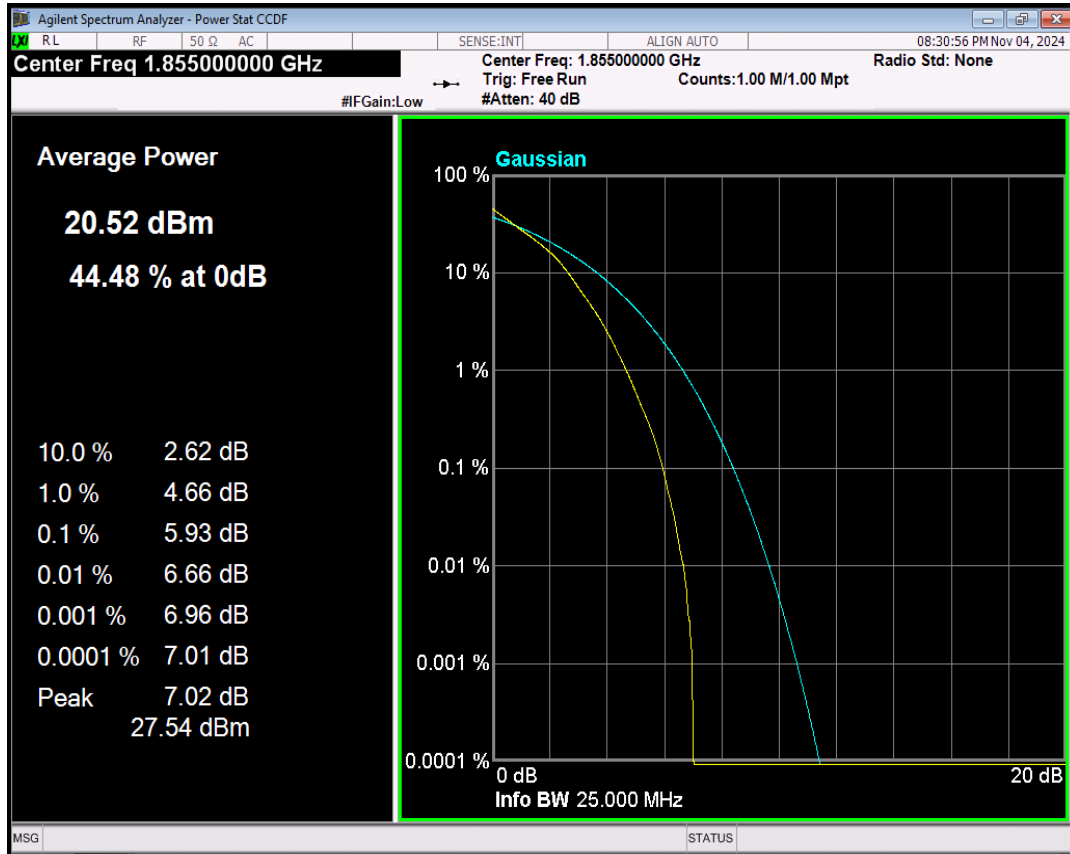
Band2 QPSK BW=5MHz Channel=19175 RB Size=1 Position=#0



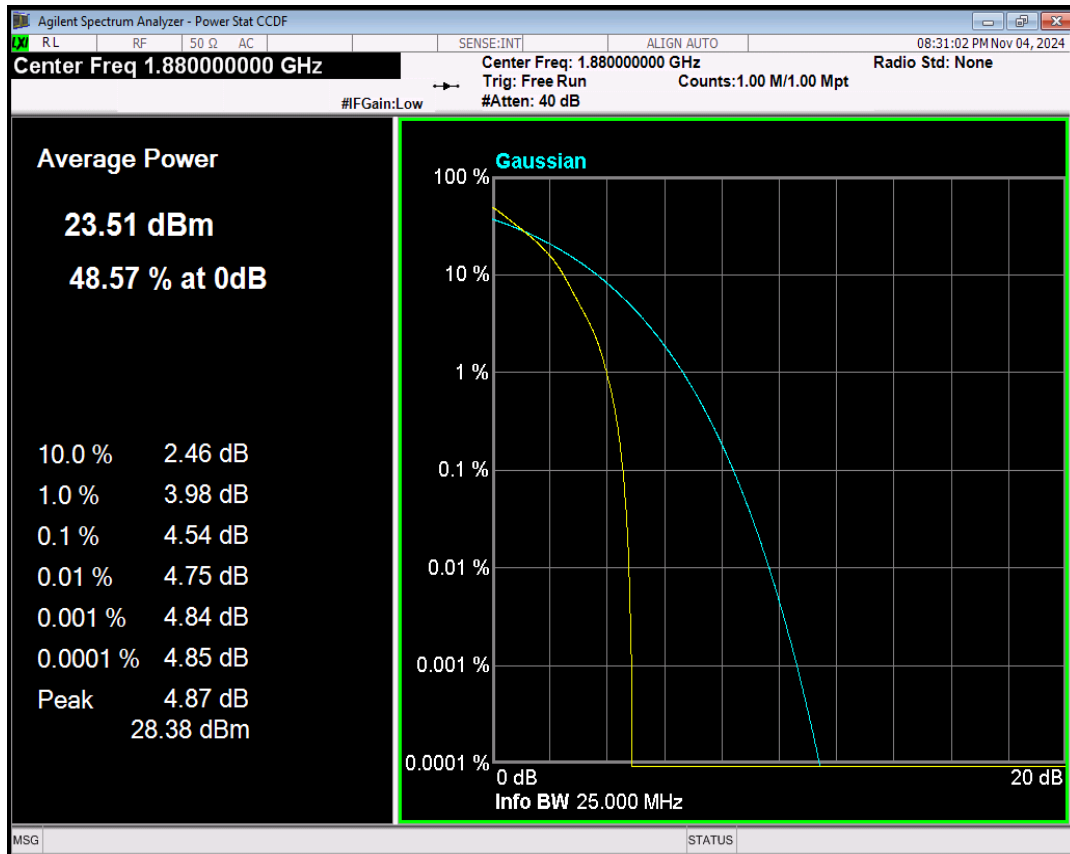
Band2 16QAM BW=5MHz Channel=19175 RB Size=1 Position=#0



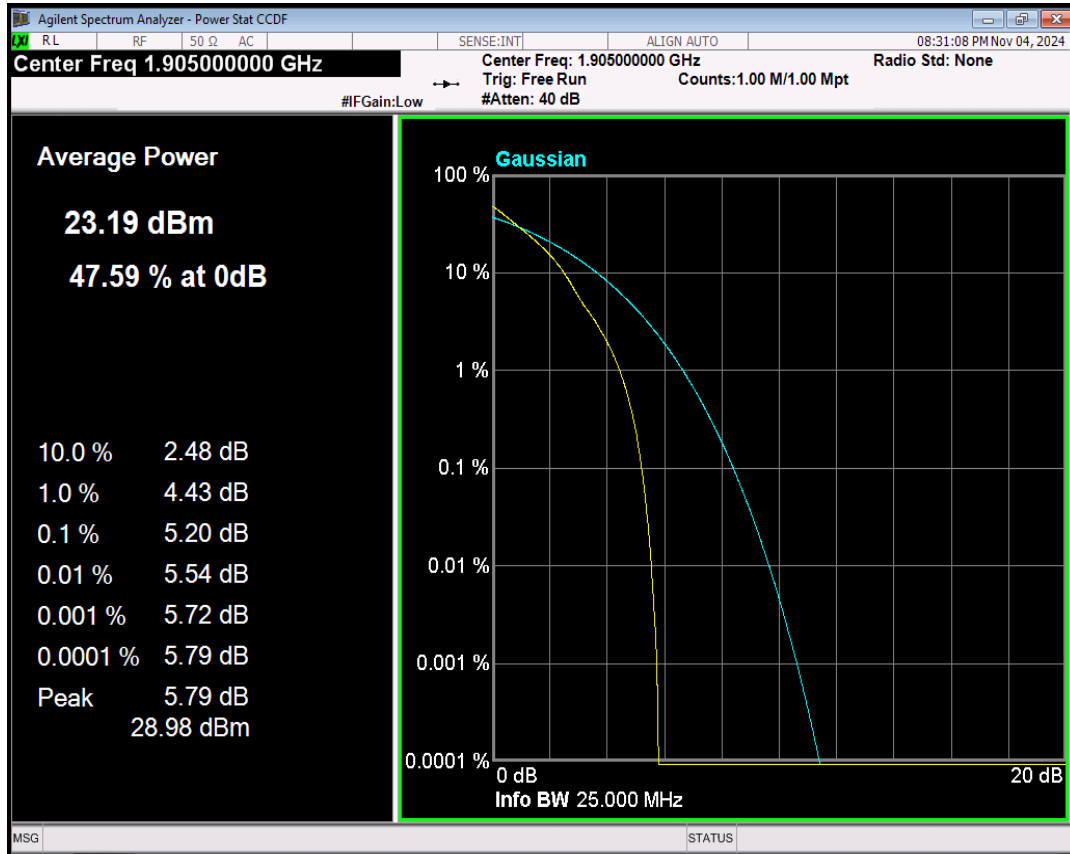
Band2 QPSK BW=10MHz Channel=18650 RB Size=1 Position=#0



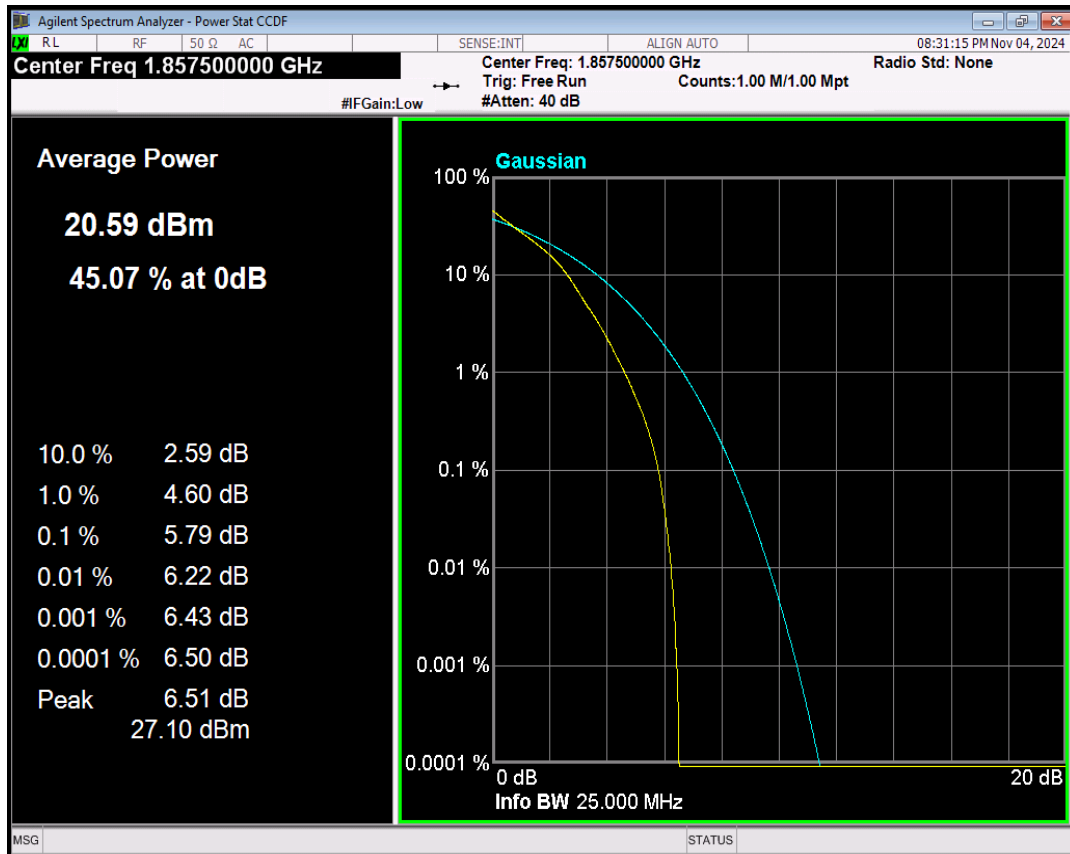
Band2 QPSK BW=10MHz Channel=18900 RB Size=1 Position=#0



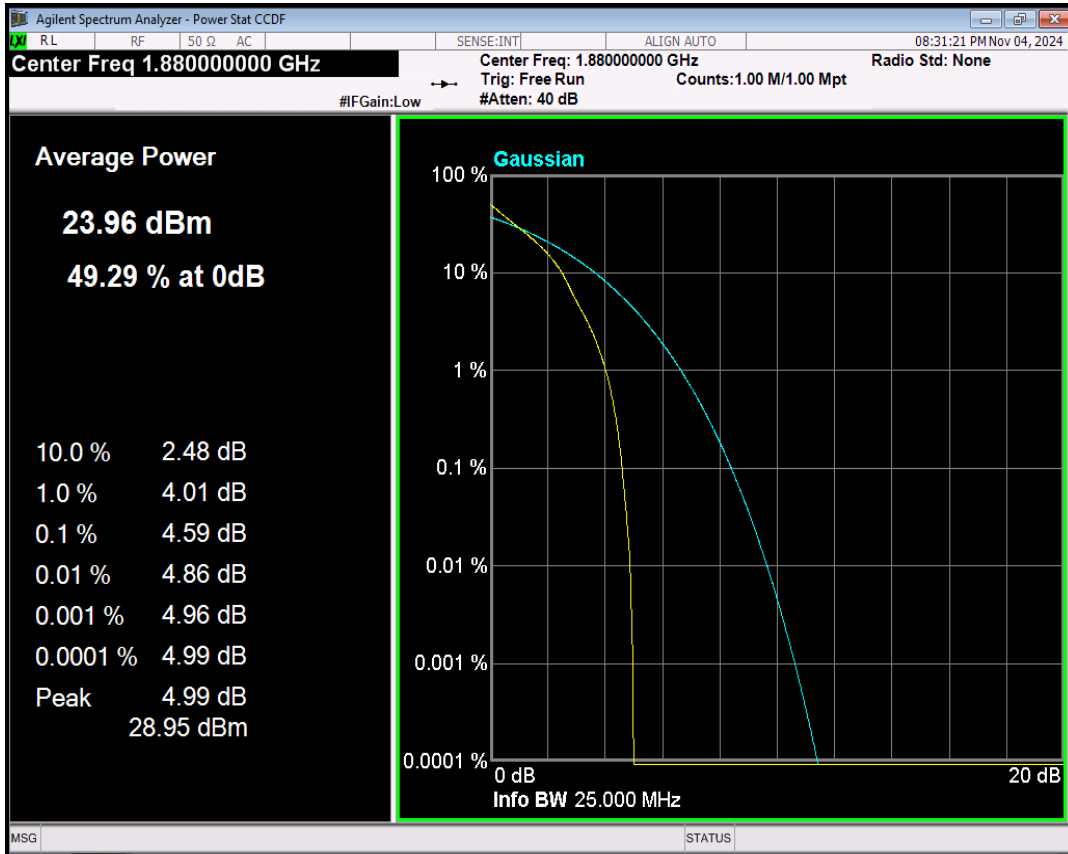
Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#0



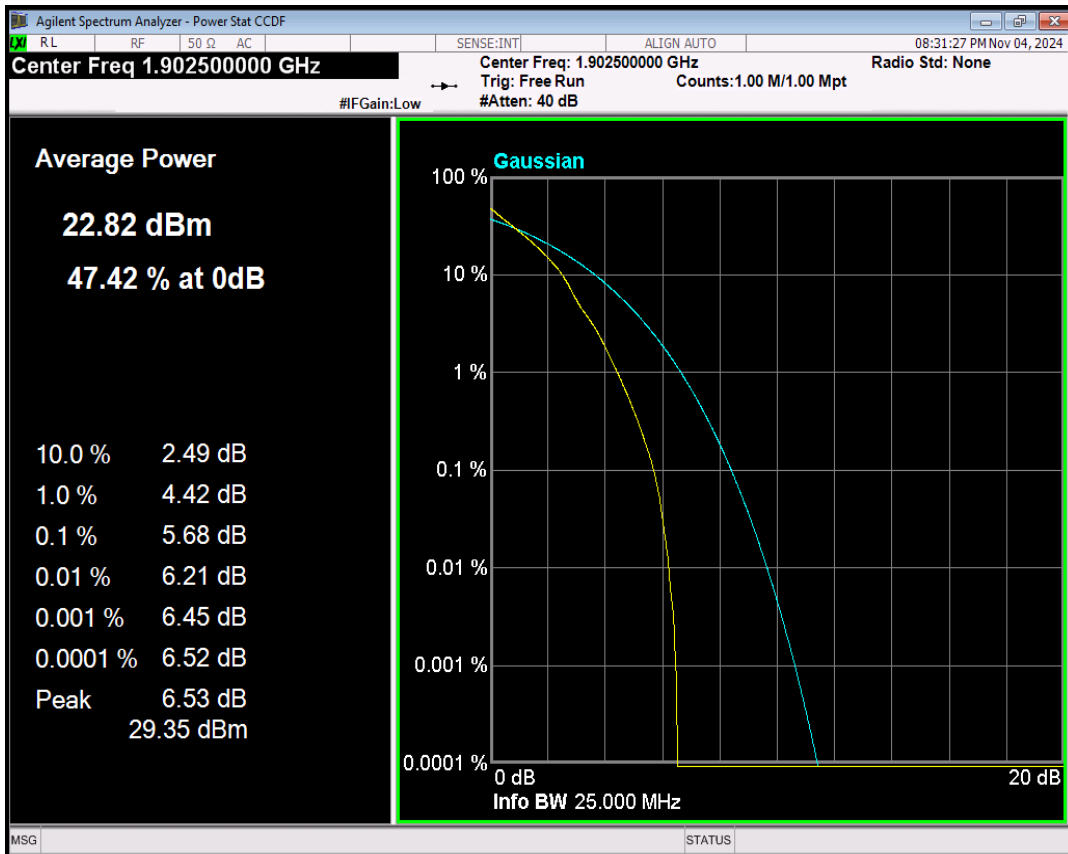
Band2 QPSK BW=15MHz Channel=18675 RB Size=1 Position=#0



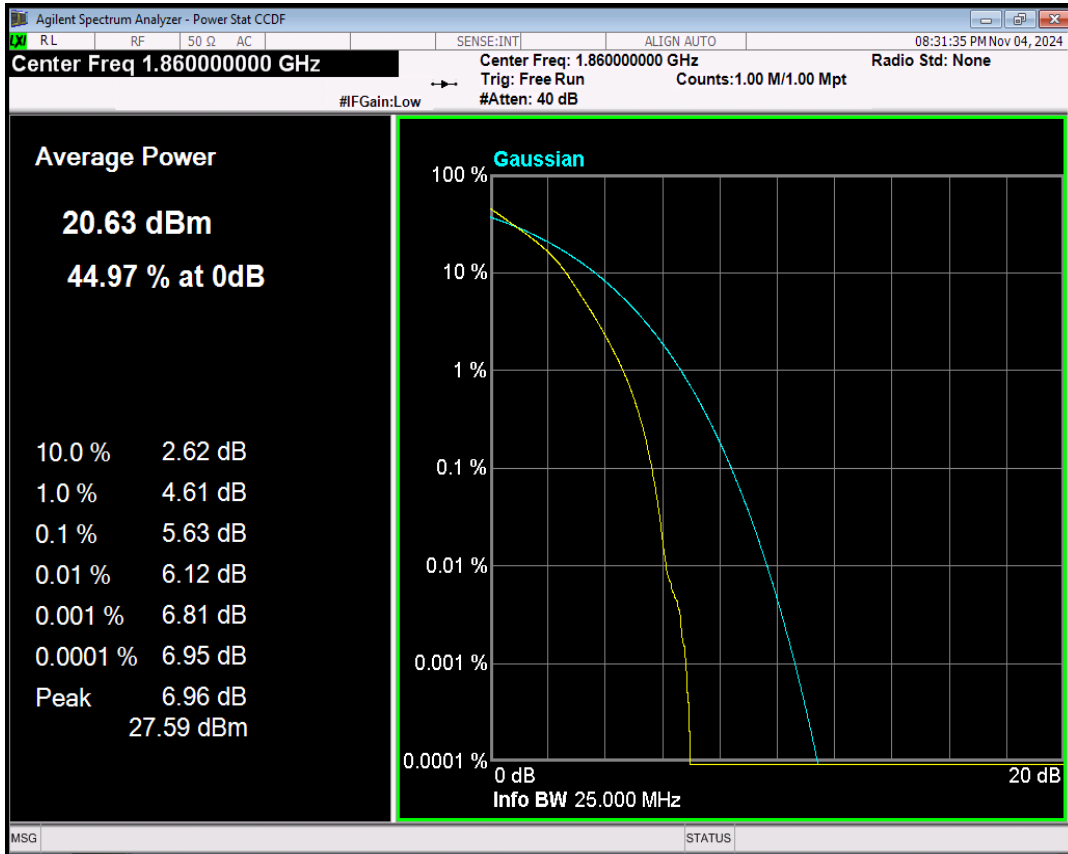
Band2 QPSK BW=15MHz Channel=18900 RB Size=1 Position=#0



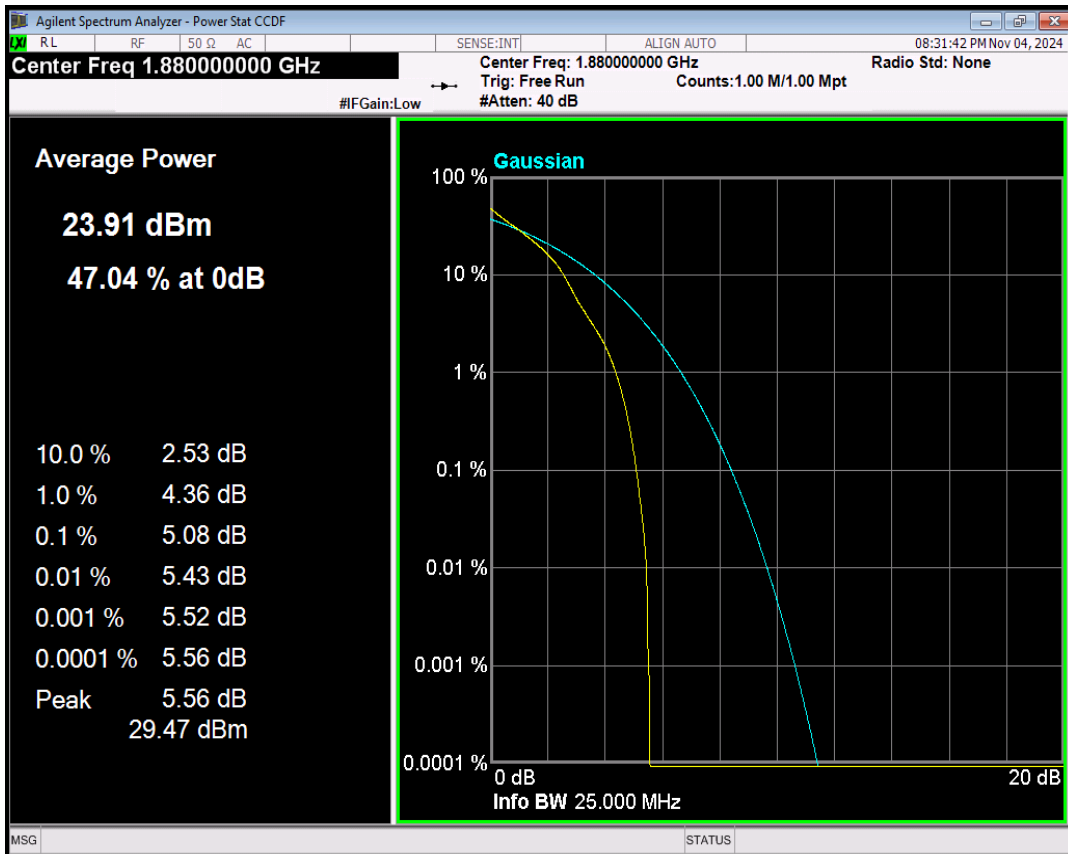
Band2 QPSK BW=15MHz Channel=19125 RB Size=1 Position=#0



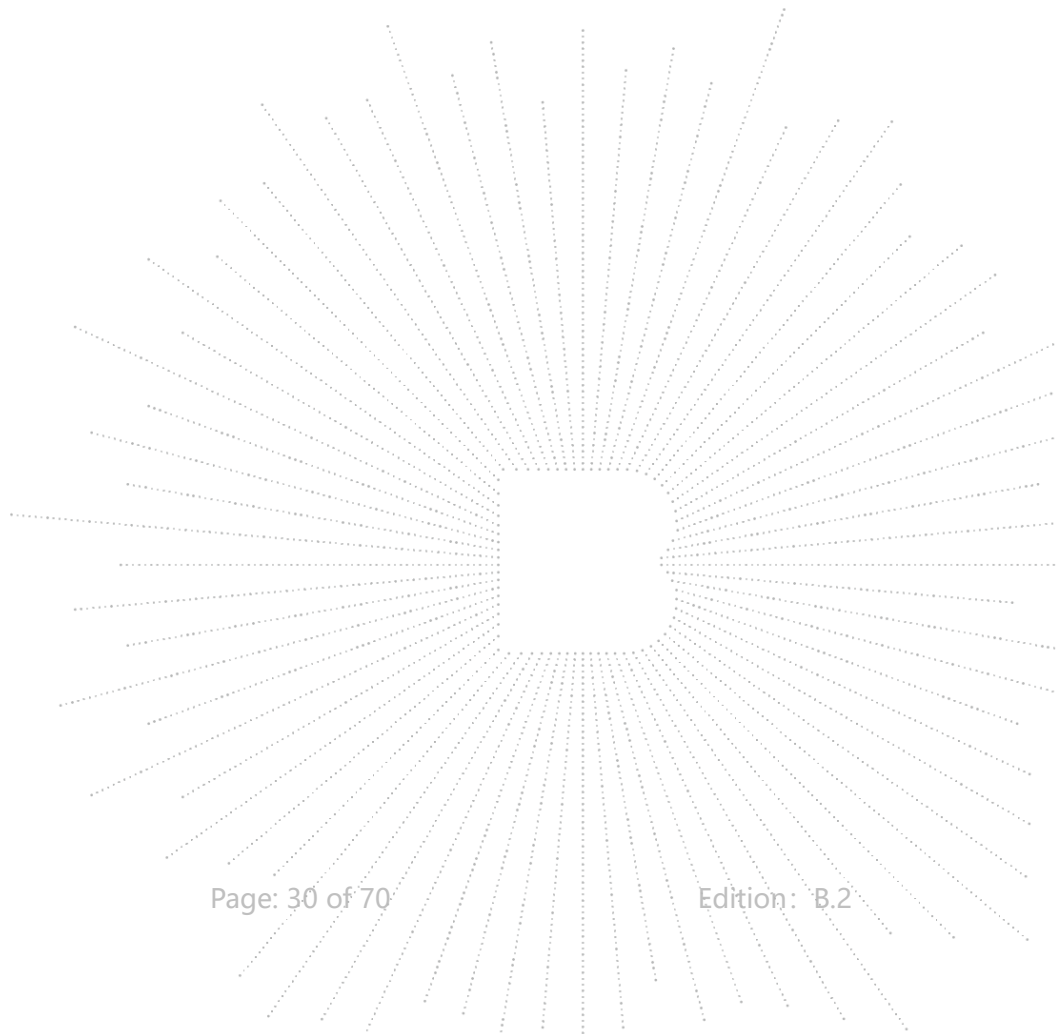
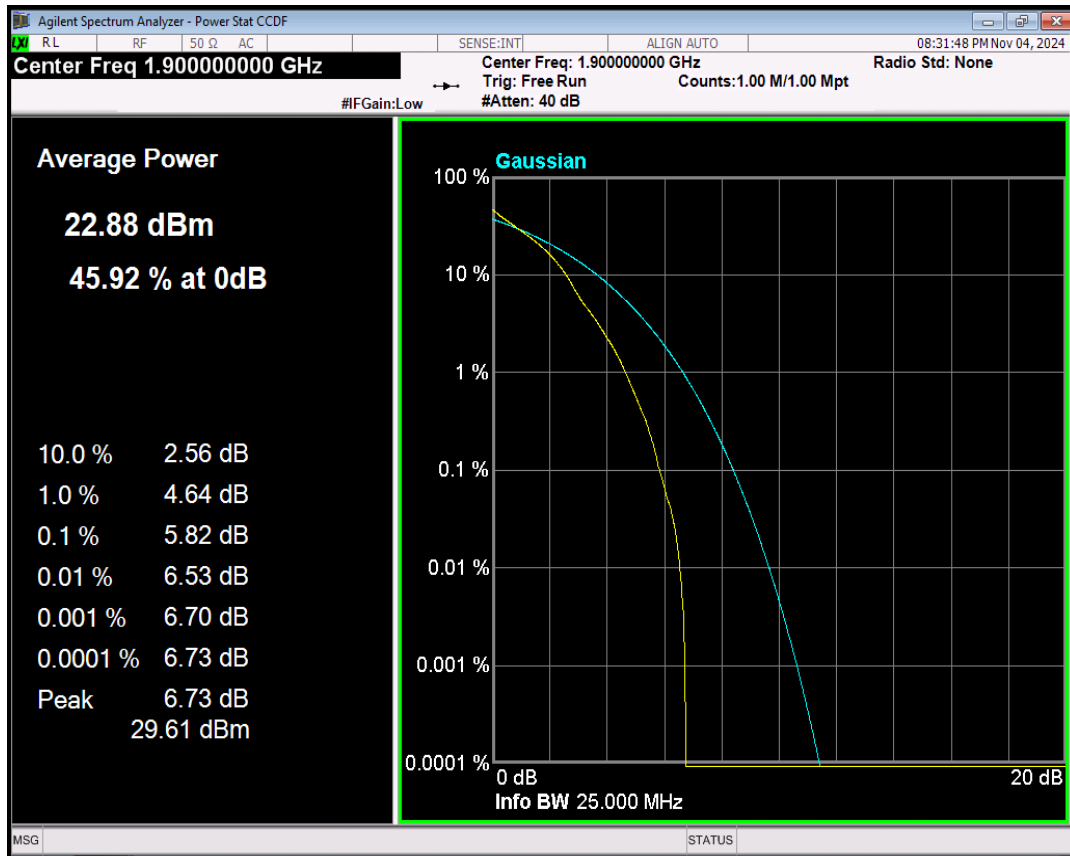
Band2 QPSK BW=20MHz Channel=18700 RB Size=1 Position=#0



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



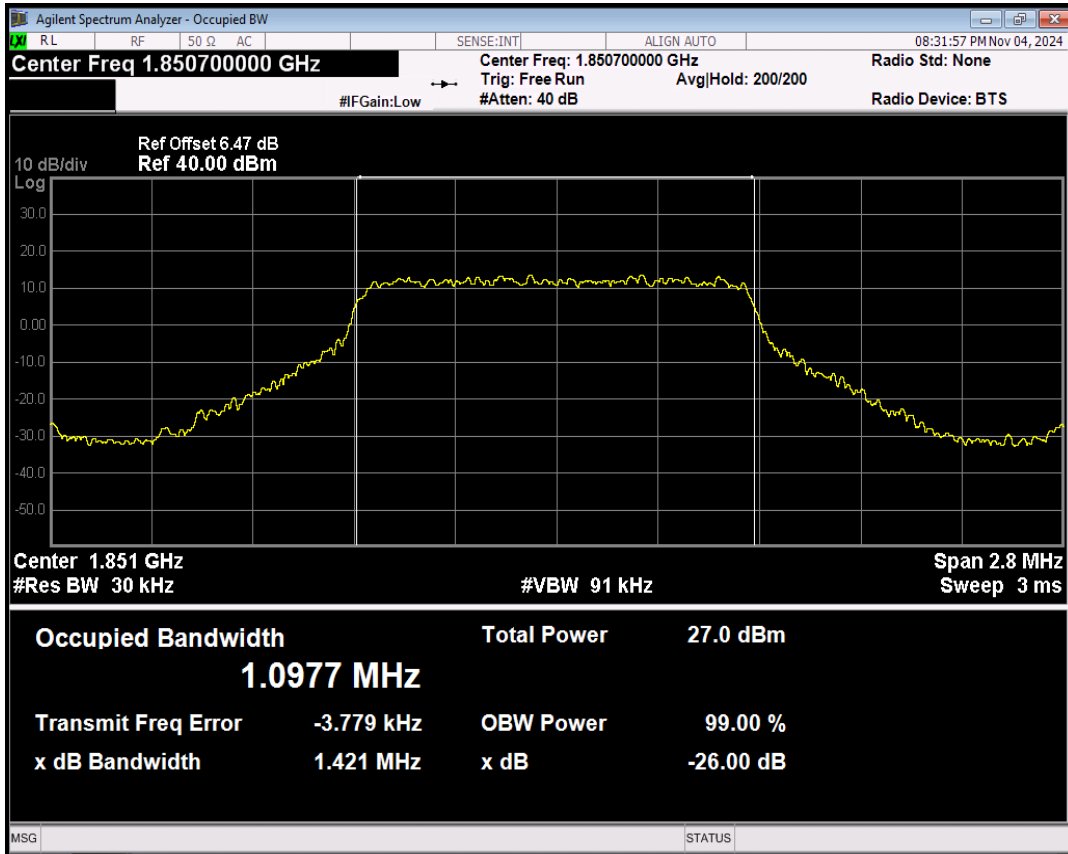
Band2 QPSK BW=20MHz Channel=19100 RB Size=1 Position=#0



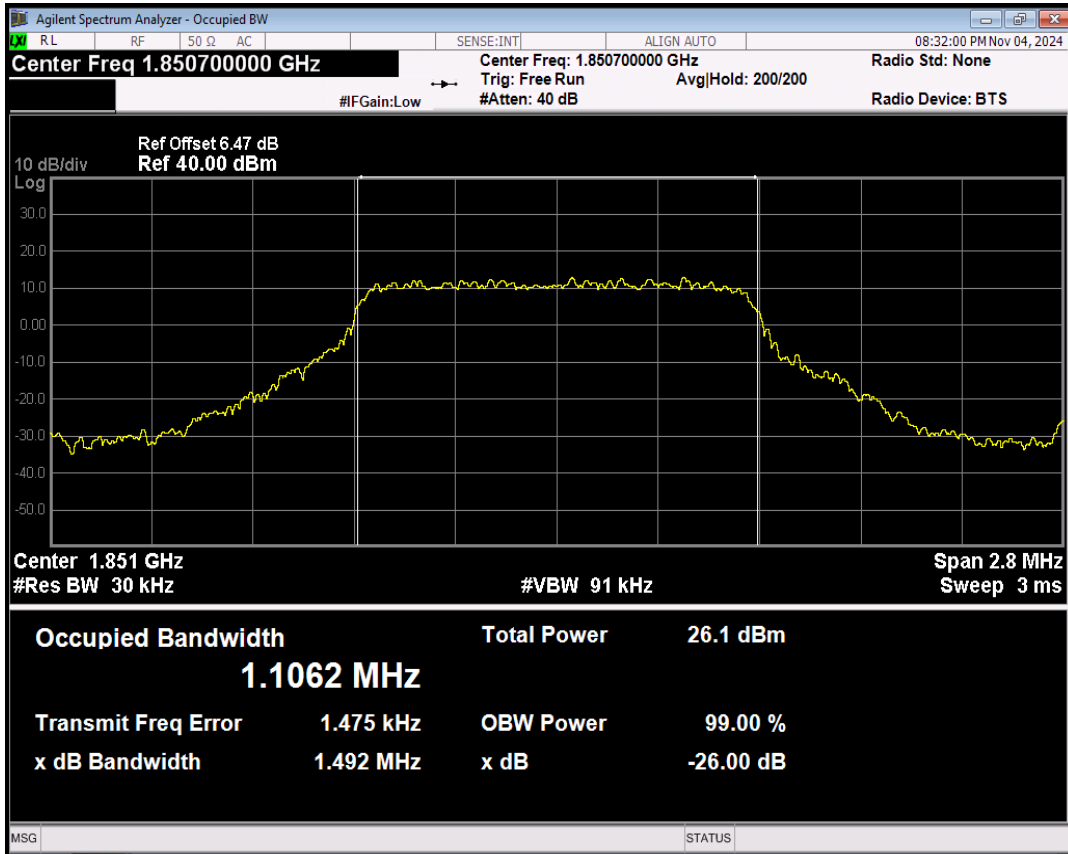
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band2	1.4	18607	6	#0	QPSK	1.098	1.421	PASS
Band2	1.4	18607	6	#0	16QAM	1.106	1.492	PASS
Band2	1.4	18900	6	#0	QPSK	1.095	1.442	PASS
Band2	1.4	18900	6	#0	16QAM	1.097	1.453	PASS
Band2	1.4	19193	6	#0	QPSK	1.092	1.426	PASS
Band2	1.4	19193	6	#0	16QAM	1.104	1.434	PASS
Band2	3	18615	15	#0	QPSK	2.687	3.210	PASS
Band2	3	18615	15	#0	16QAM	2.685	3.239	PASS
Band2	3	18900	15	#0	QPSK	2.679	3.097	PASS
Band2	3	18900	15	#0	16QAM	2.687	3.231	PASS
Band2	3	19185	15	#0	QPSK	2.689	3.189	PASS
Band2	3	19185	15	#0	16QAM	2.688	3.279	PASS
Band2	5	18625	25	#0	QPSK	4.489	4.997	PASS
Band2	5	18625	25	#0	16QAM	4.479	4.995	PASS
Band2	5	18900	25	#0	QPSK	4.506	5.023	PASS
Band2	5	18900	25	#0	16QAM	4.492	5.122	PASS
Band2	5	19175	25	#0	QPSK	4.484	5.081	PASS
Band2	5	19175	25	#0	16QAM	4.498	5.006	PASS
Band2	10	18650	50	#0	QPSK	8.970	9.638	PASS
Band2	10	18900	50	#0	QPSK	8.927	9.523	PASS
Band2	10	19150	50	#0	QPSK	8.896	9.603	PASS
Band2	15	18675	75	#0	QPSK	13.495	15.886	PASS
Band2	15	18900	75	#0	QPSK	13.520	16.164	PASS
Band2	15	19125	75	#0	QPSK	13.444	15.954	PASS
Band2	20	18700	100	#0	QPSK	17.918	20.708	PASS
Band2	20	18900	100	#0	QPSK	17.985	20.776	PASS
Band2	20	19100	100	#0	QPSK	17.927	20.499	PASS

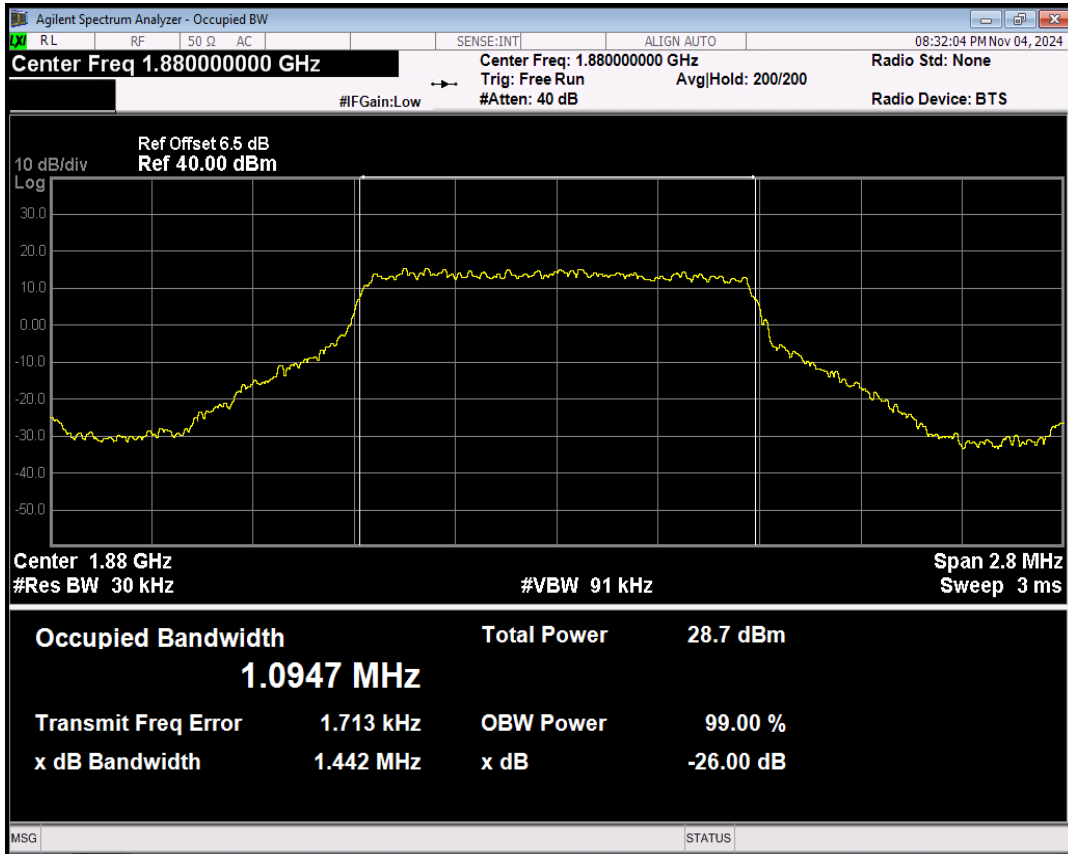
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



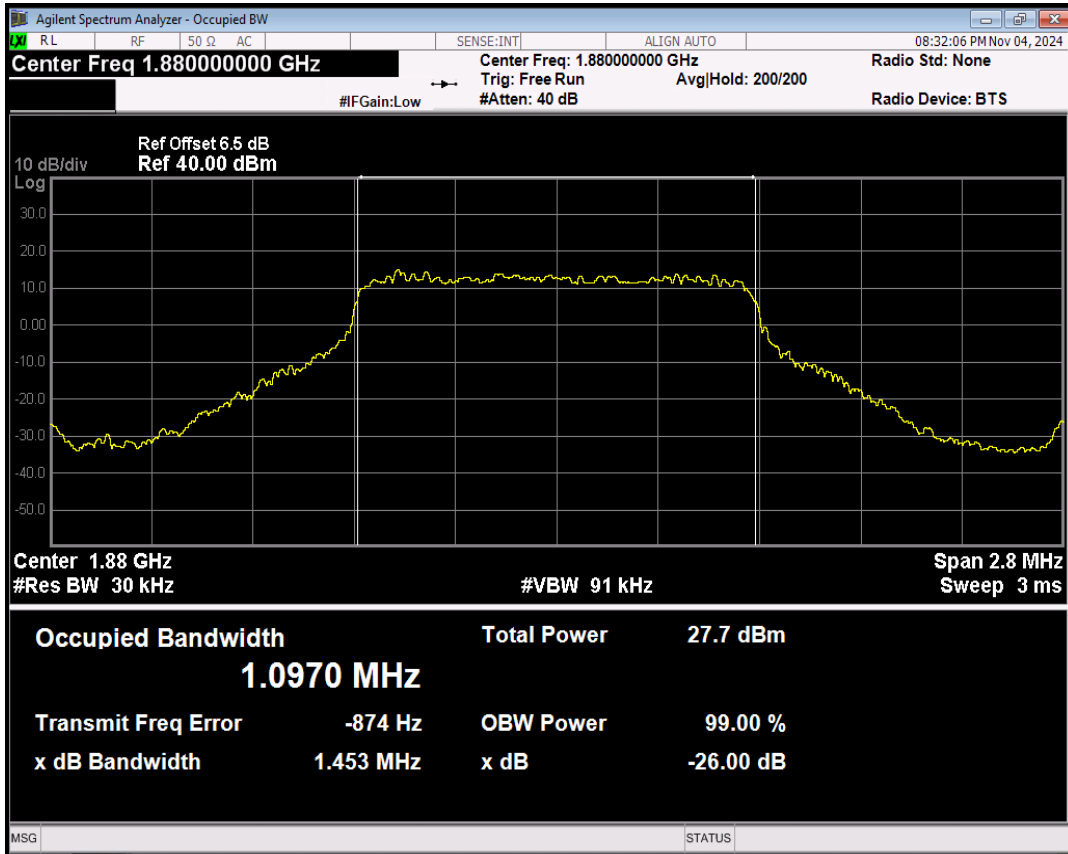
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



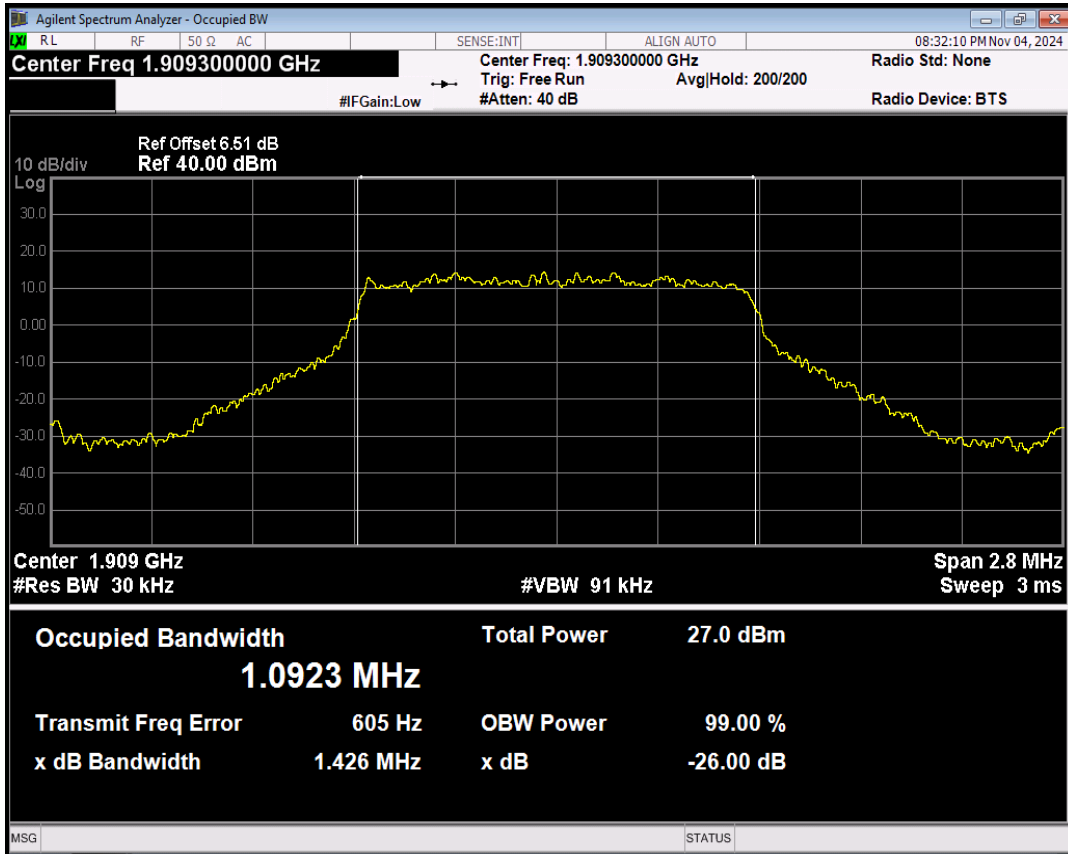
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



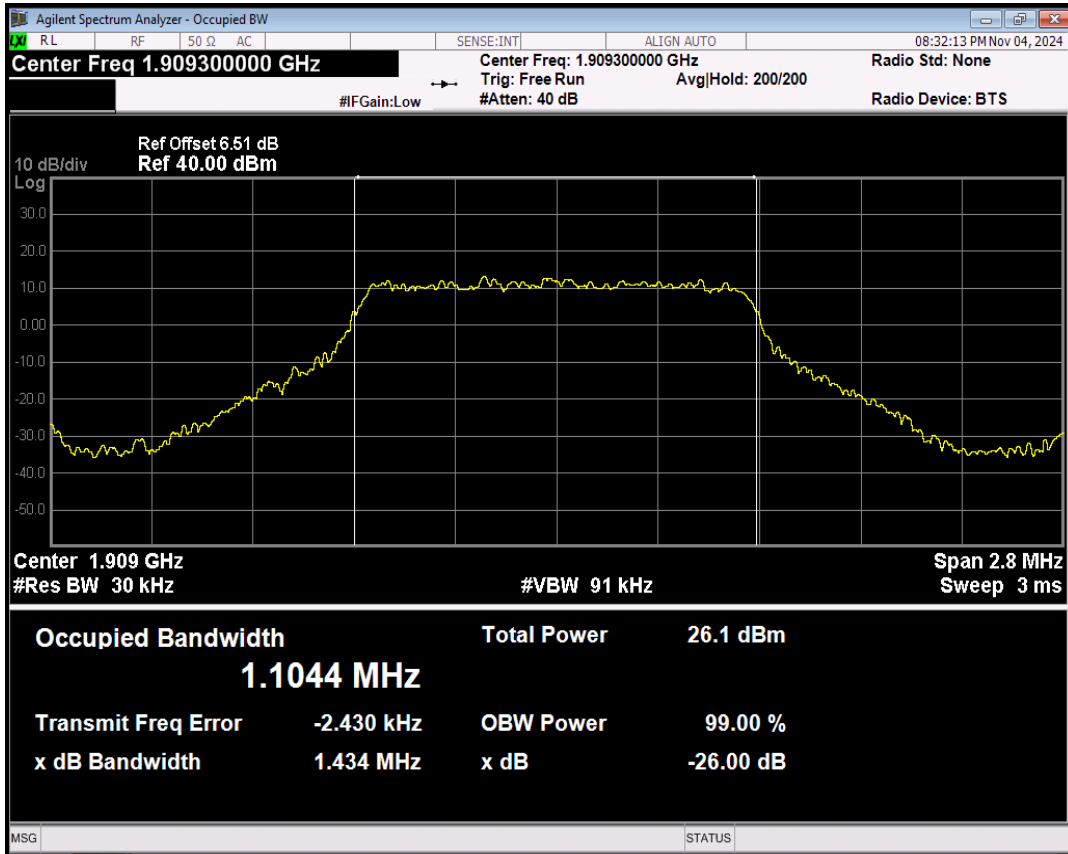
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



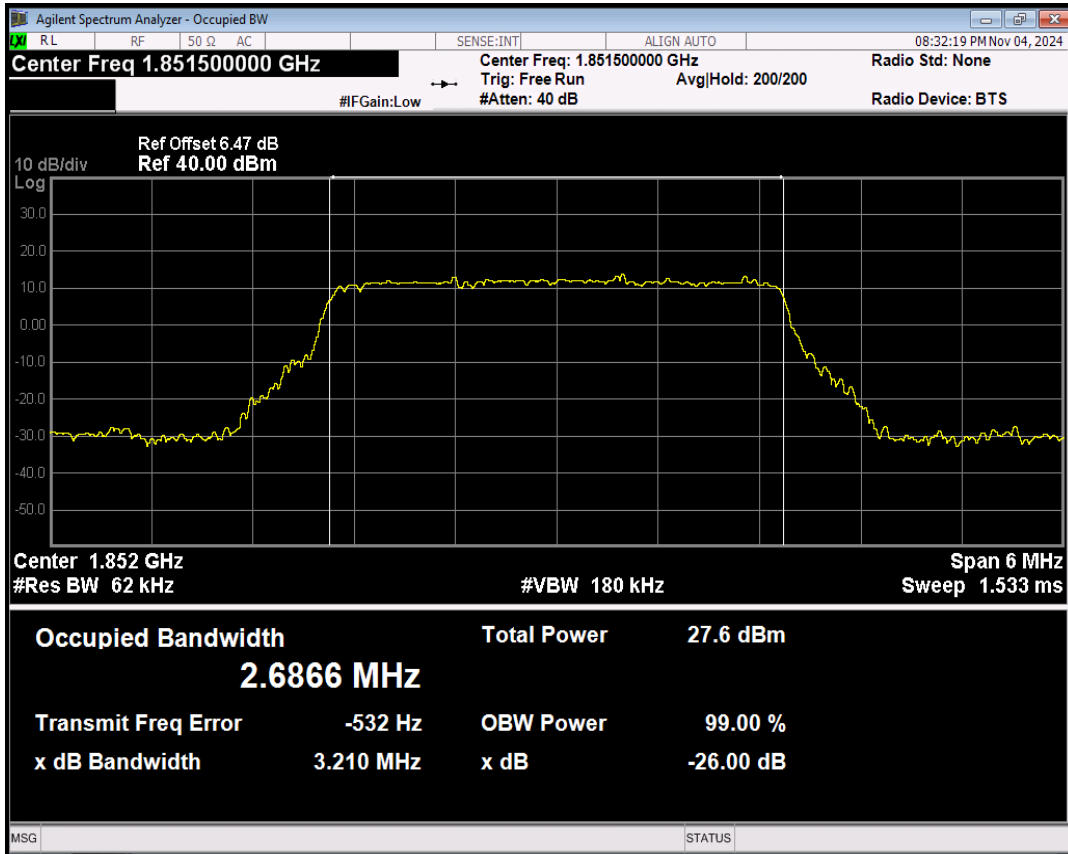
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



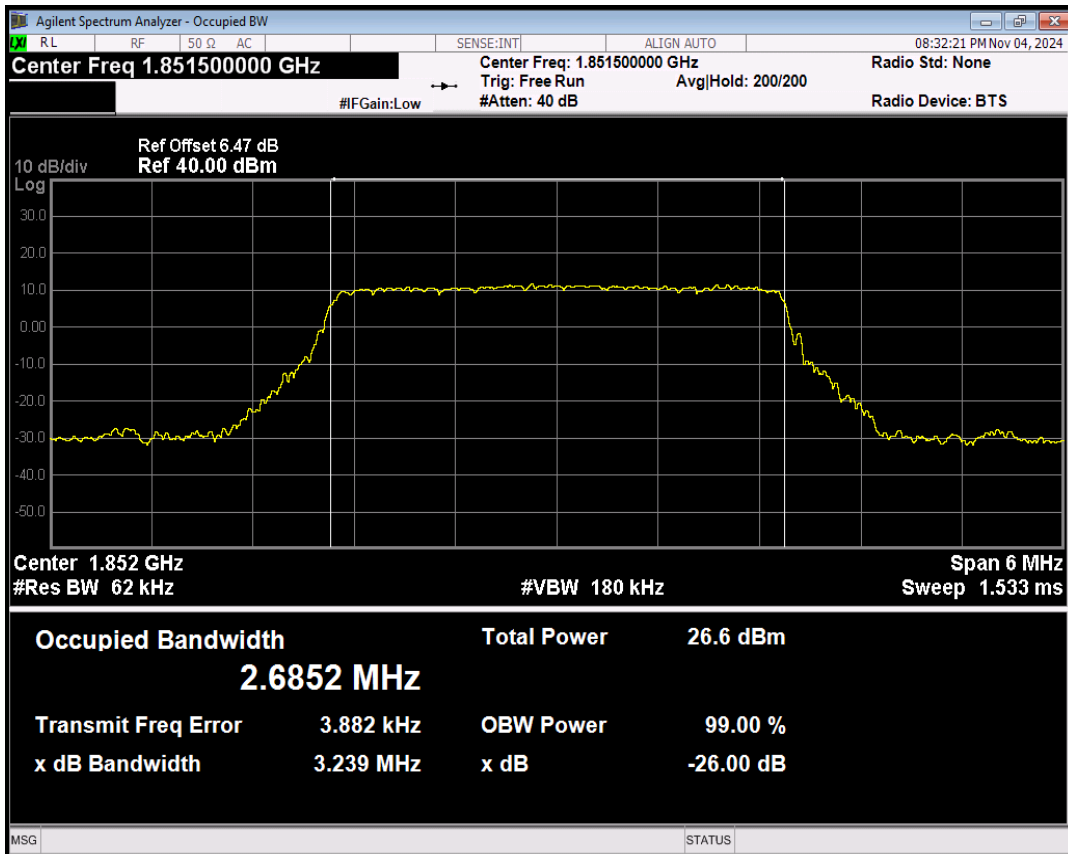
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



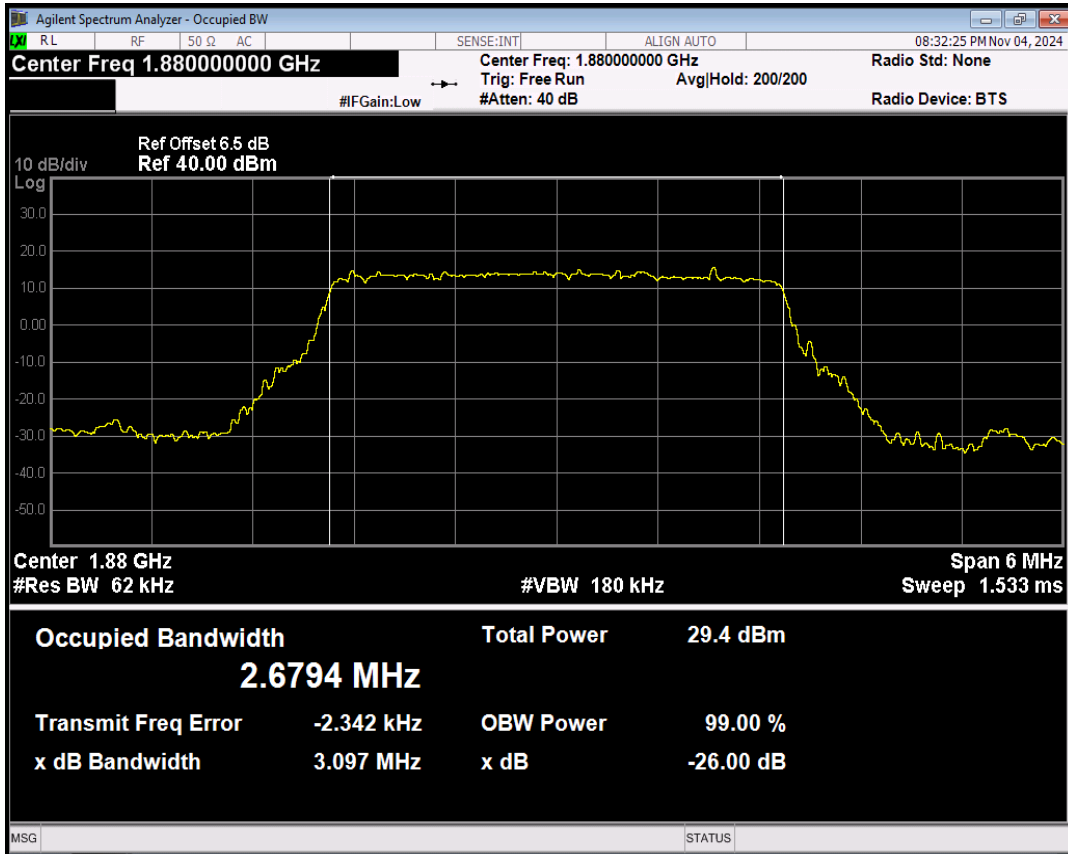
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



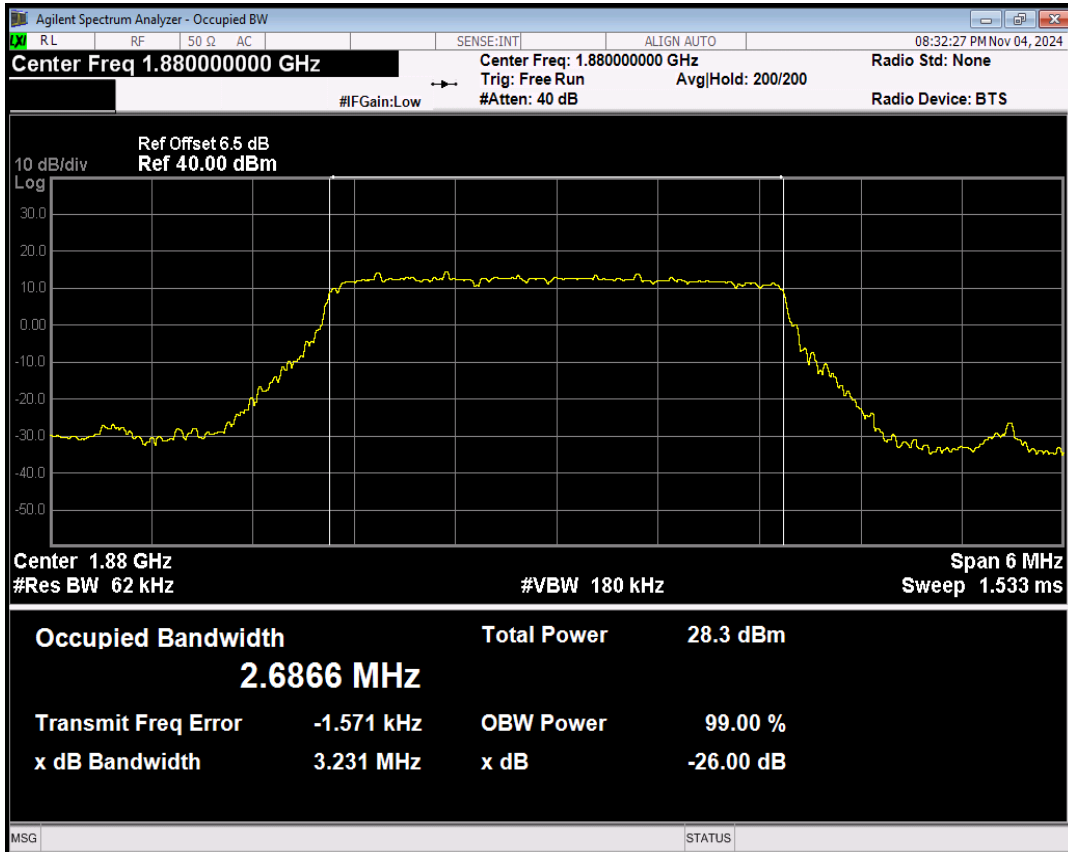
Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



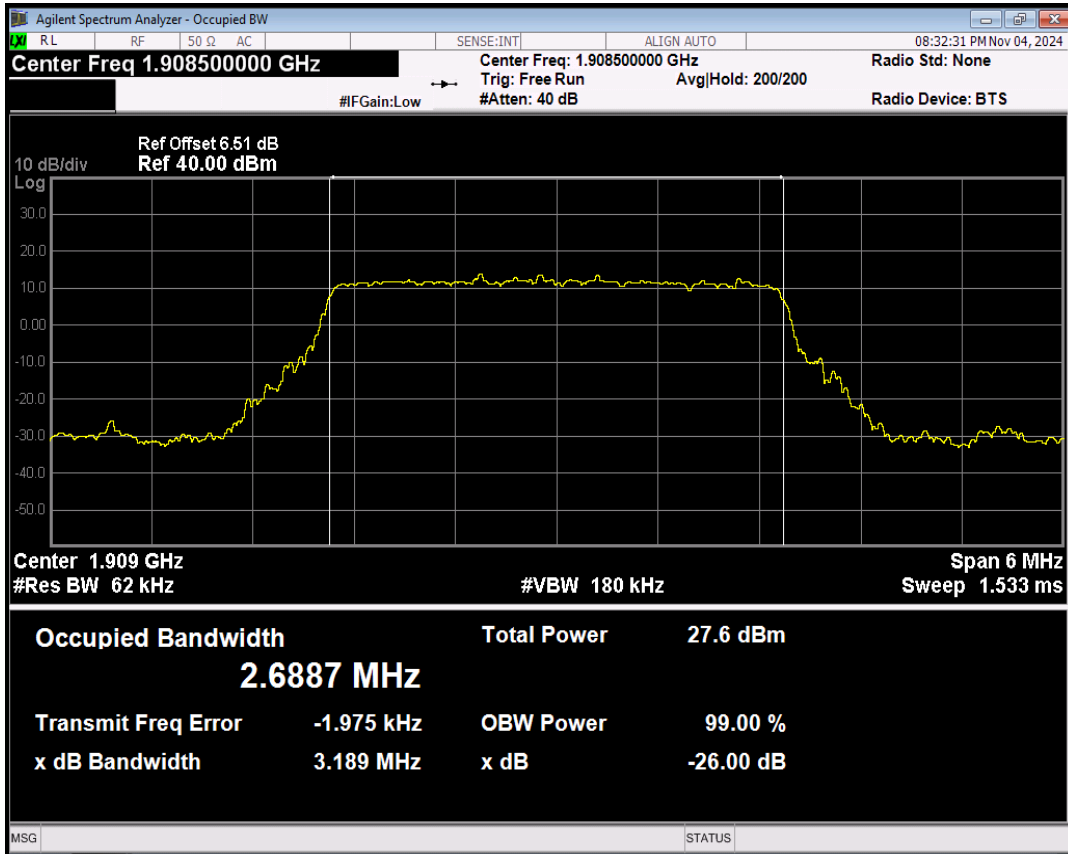
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



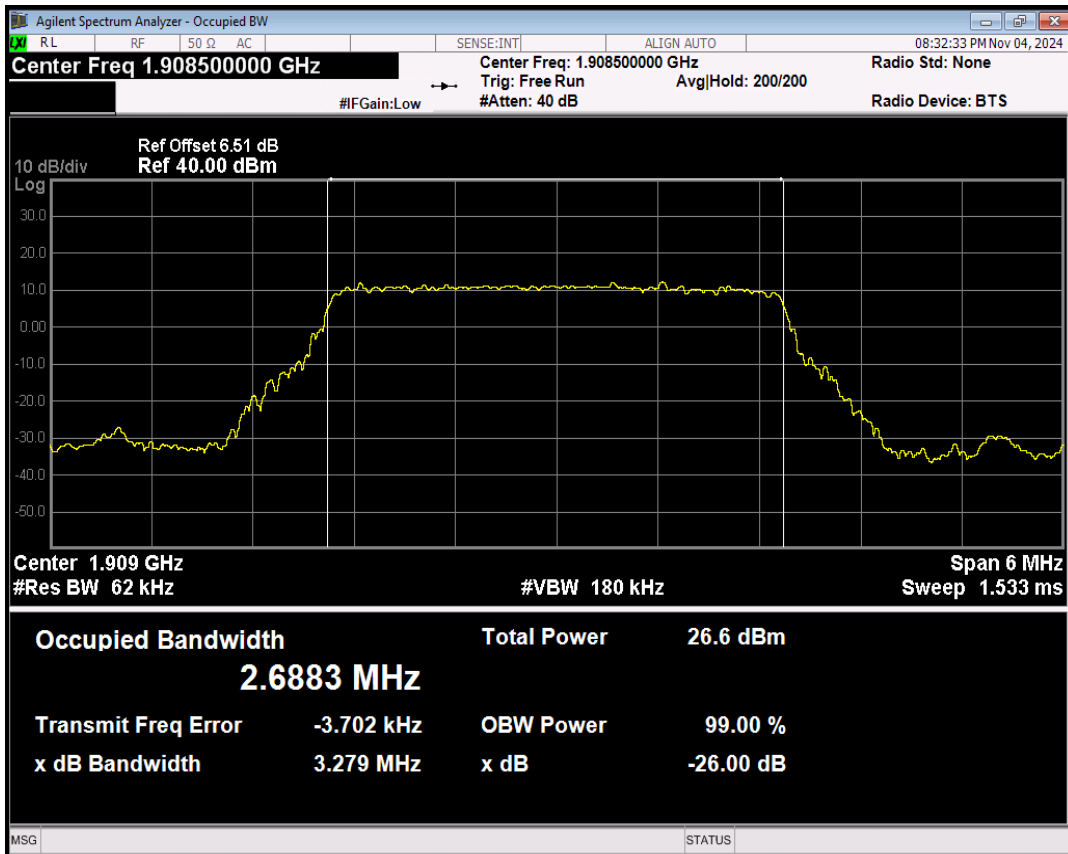
Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0



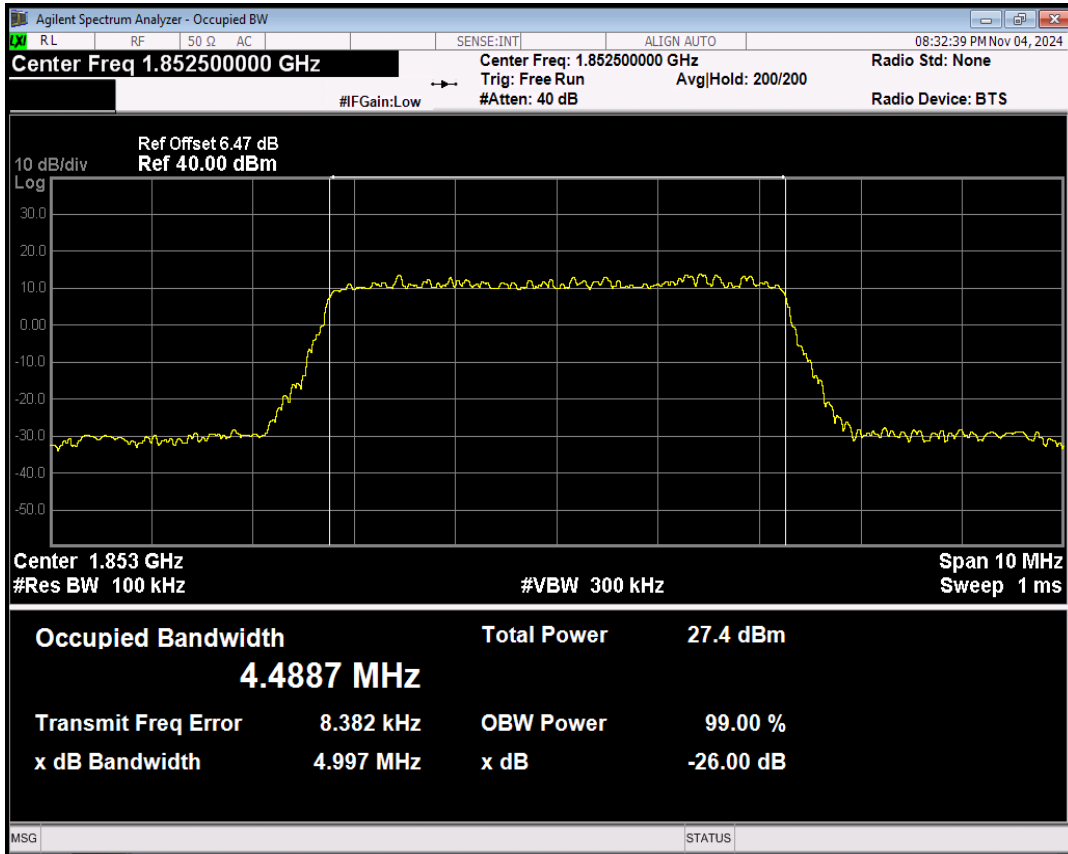
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



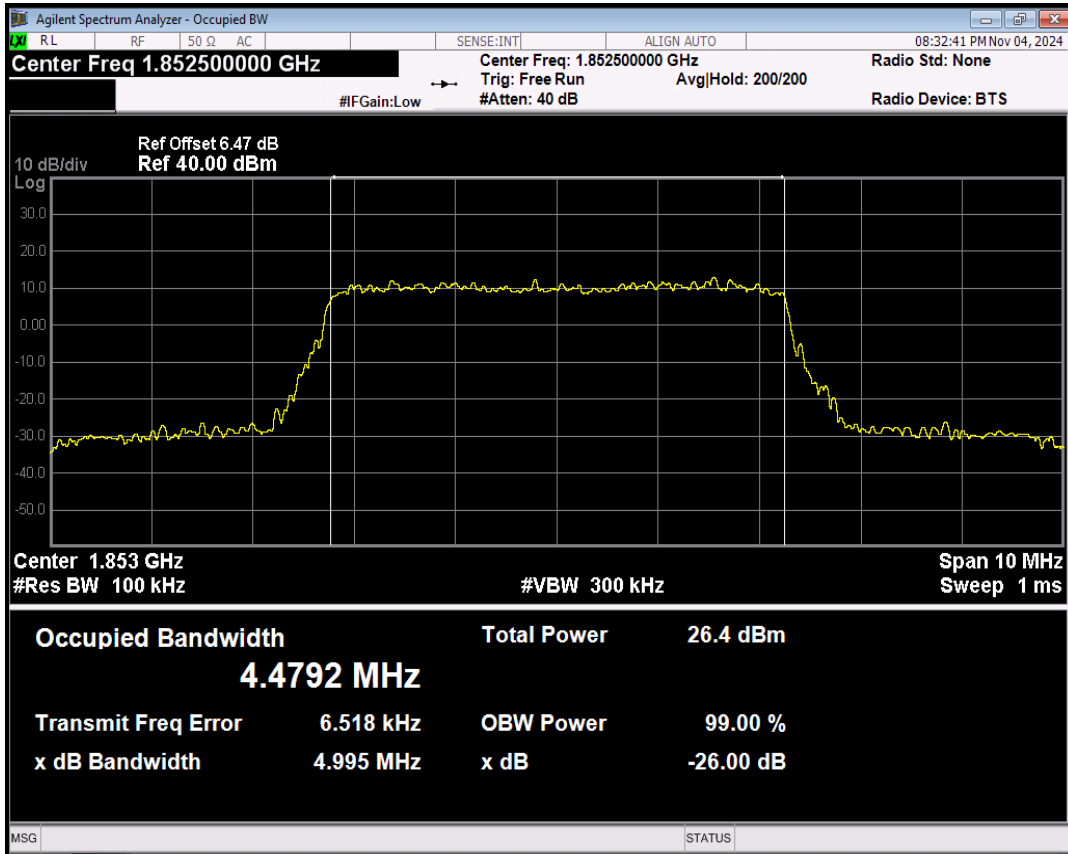
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



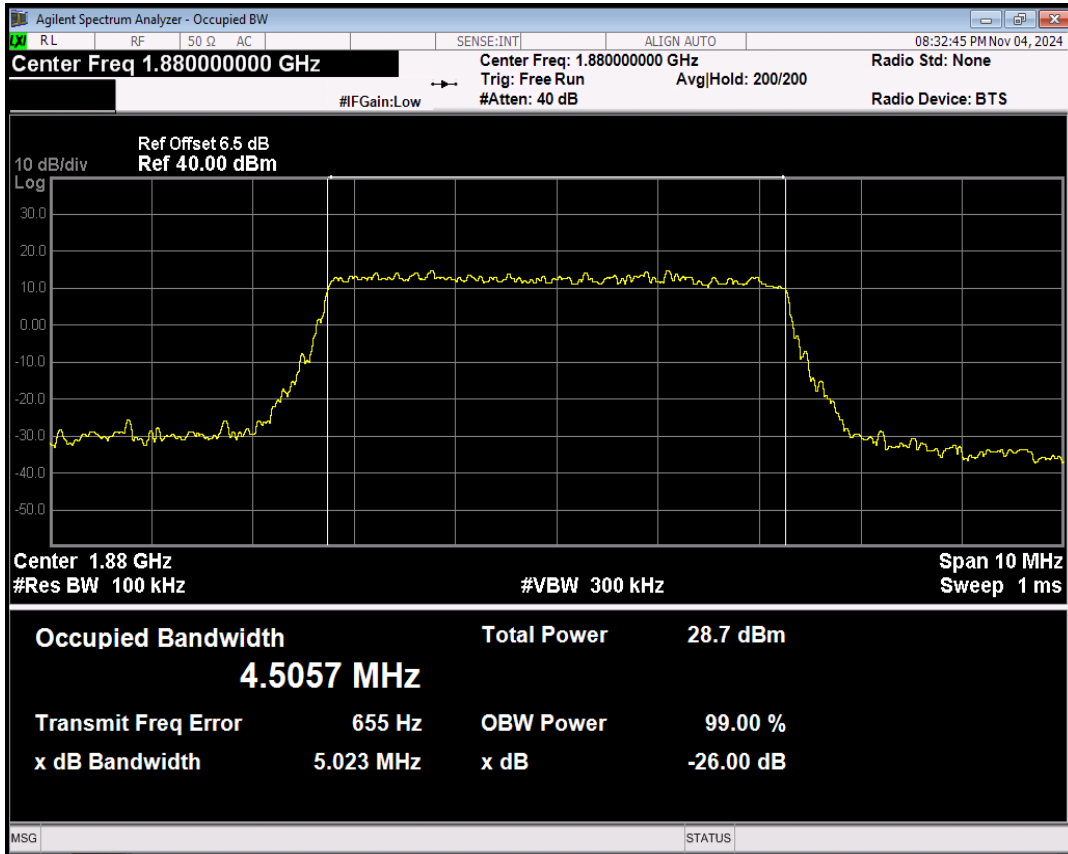
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



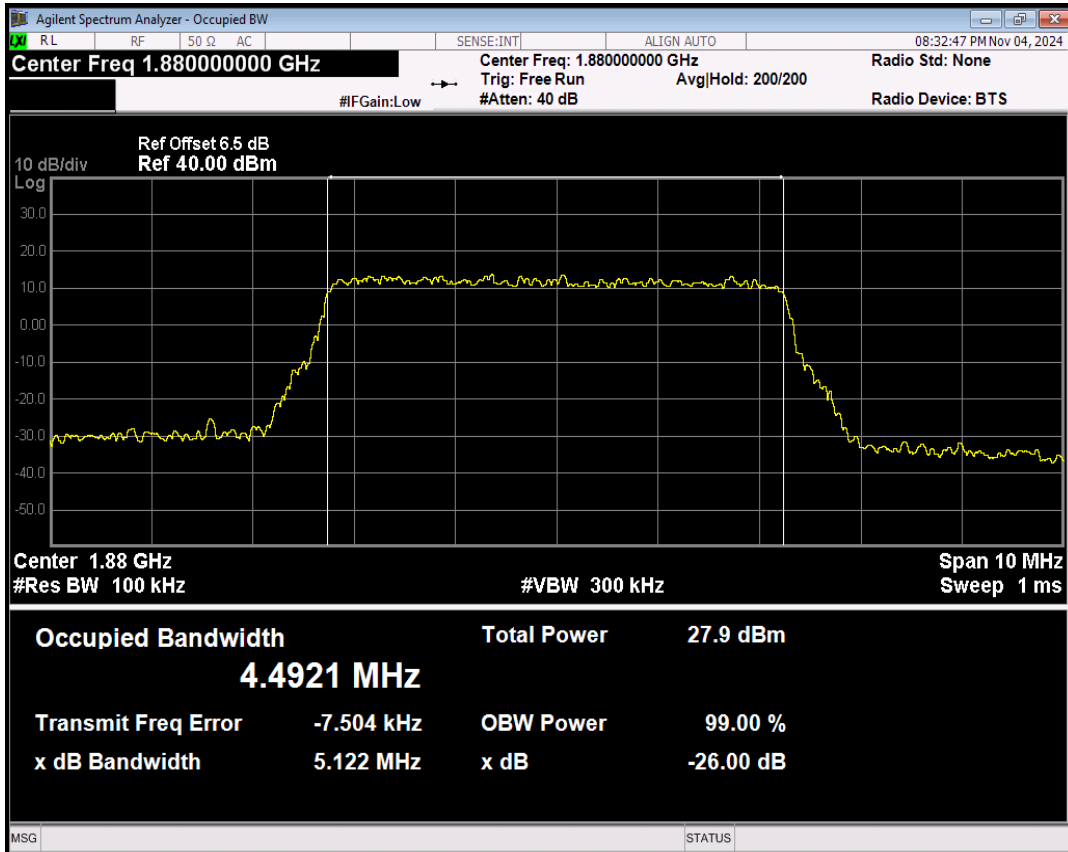
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



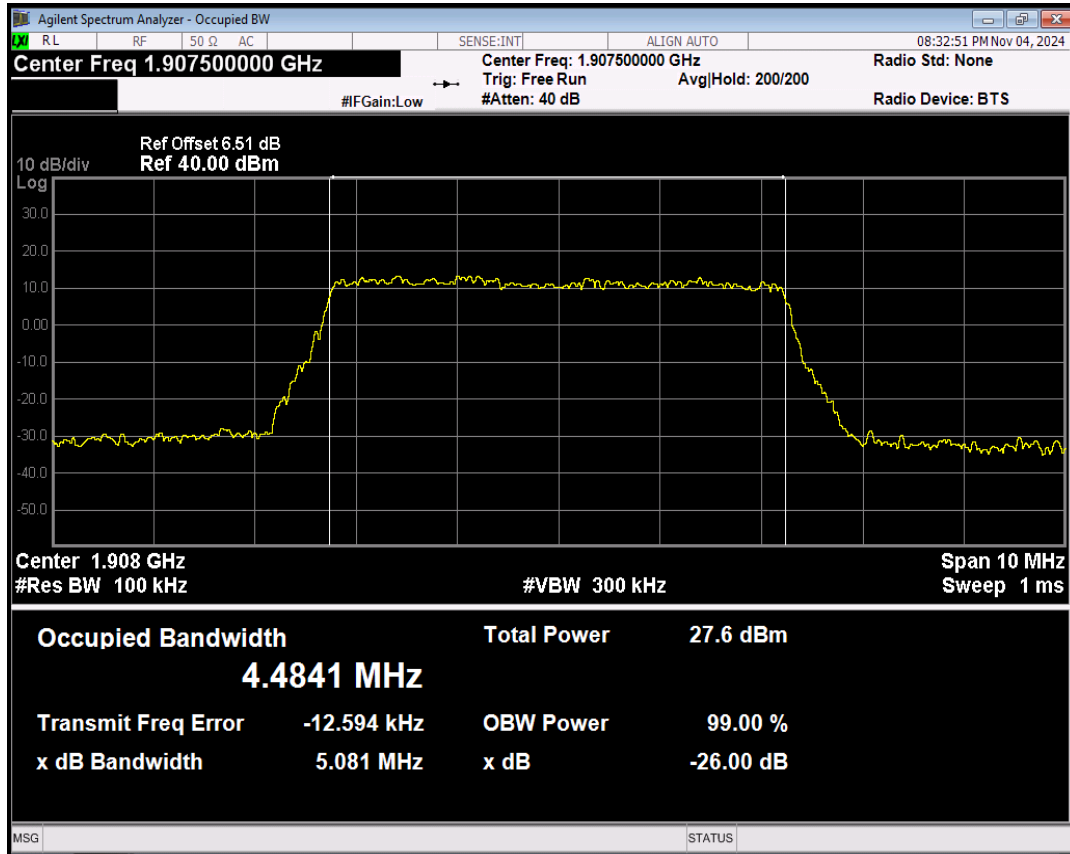
Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



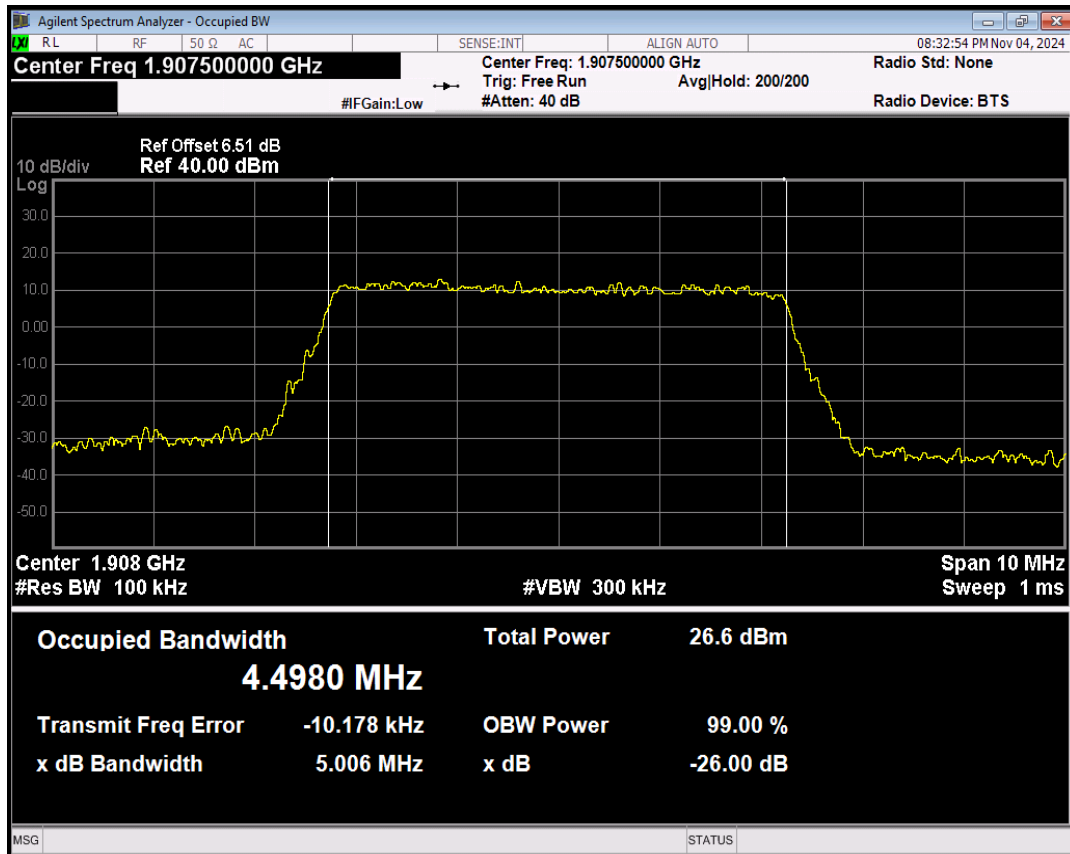
Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0



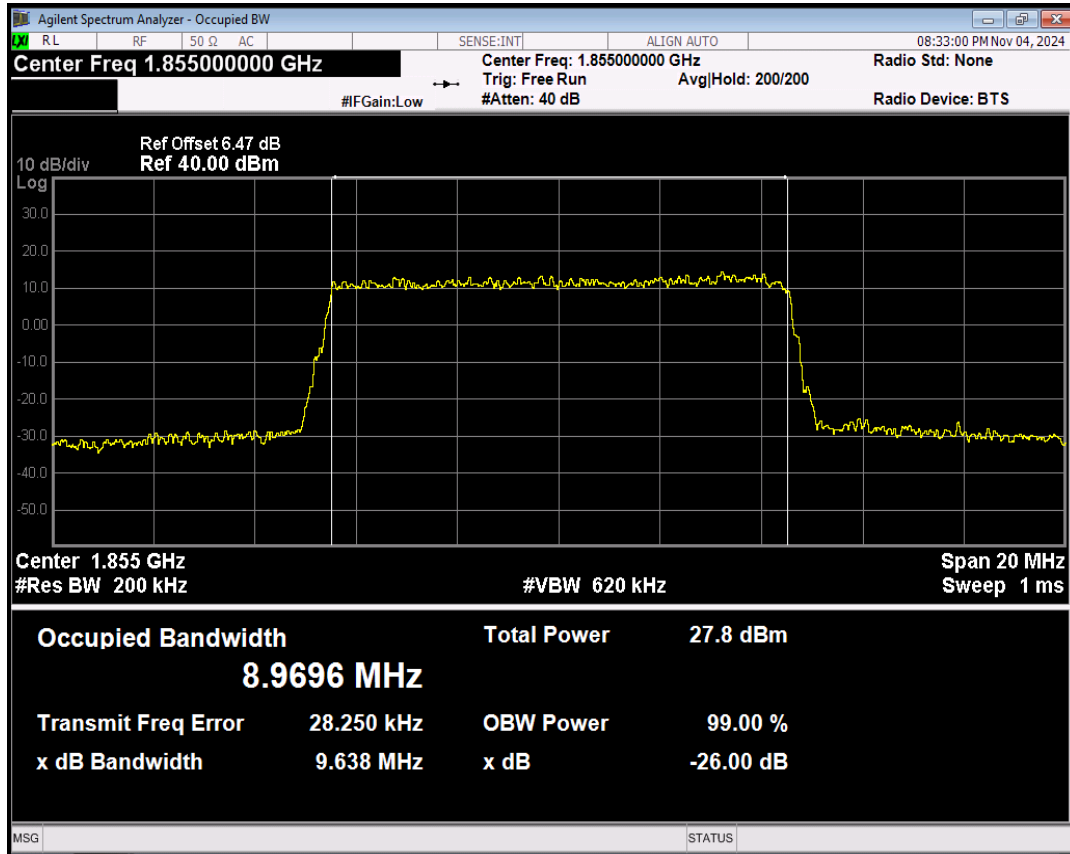
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



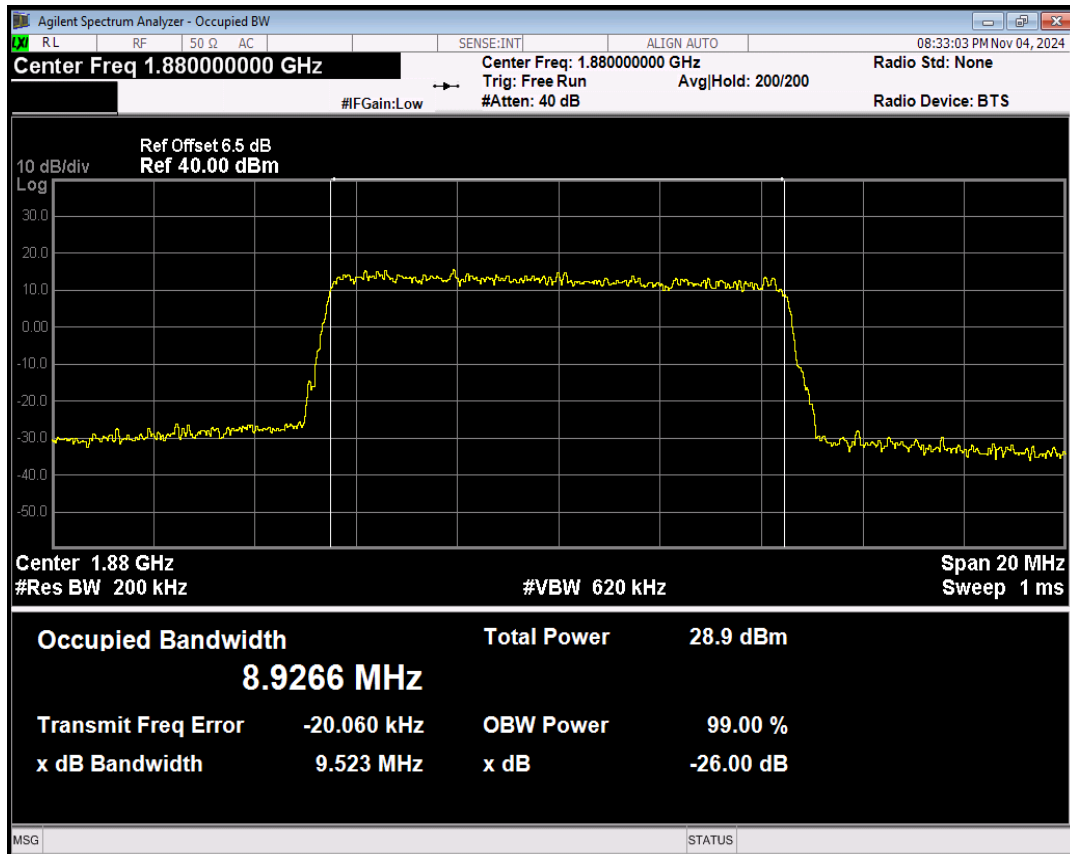
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



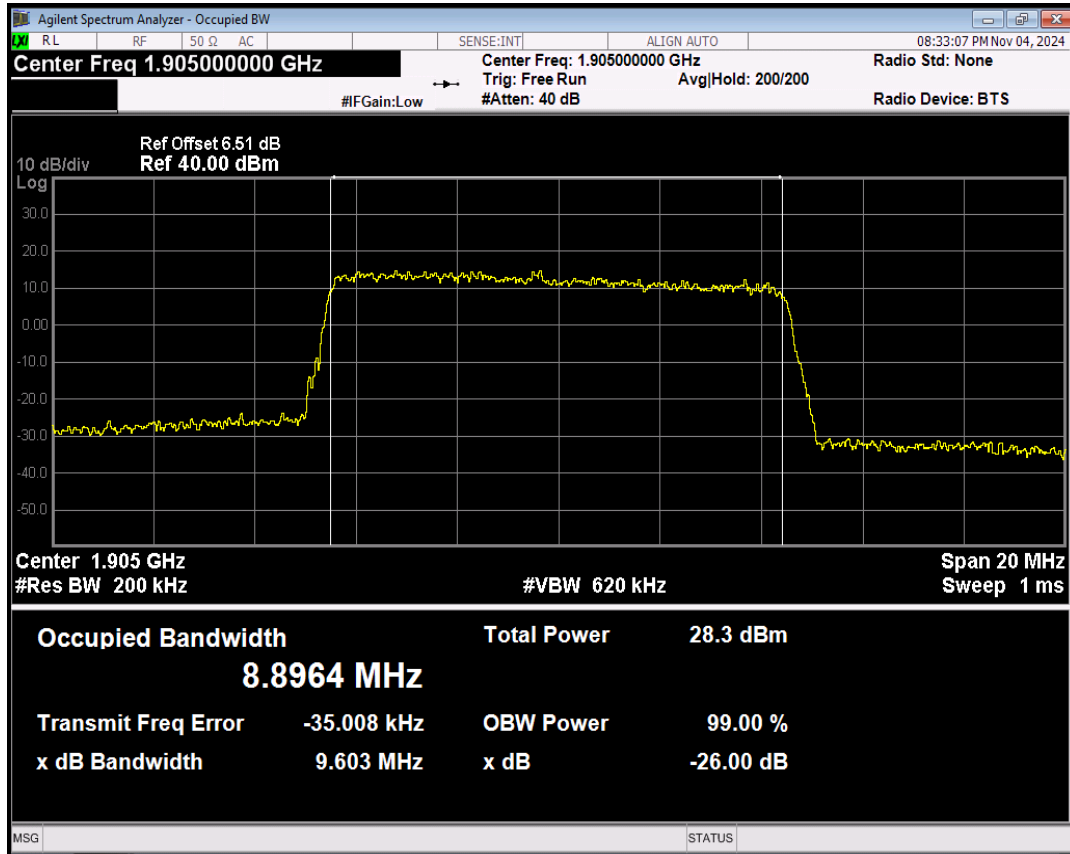
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



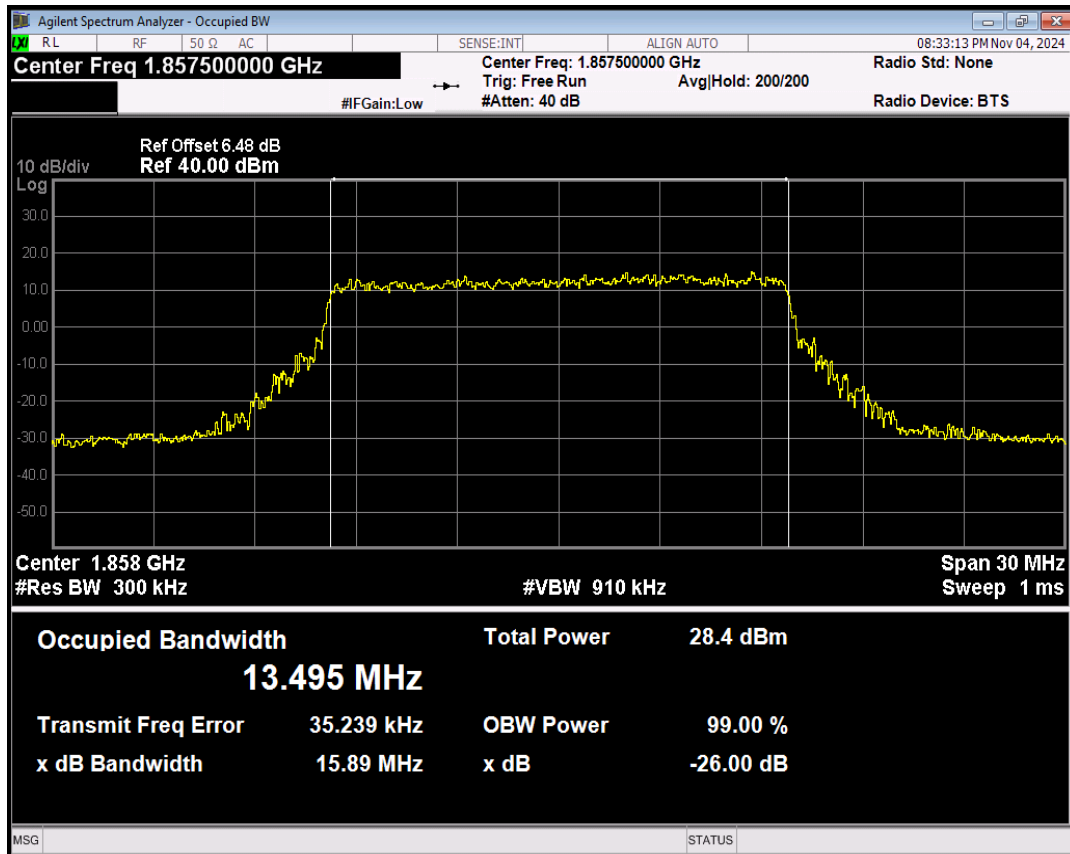
Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



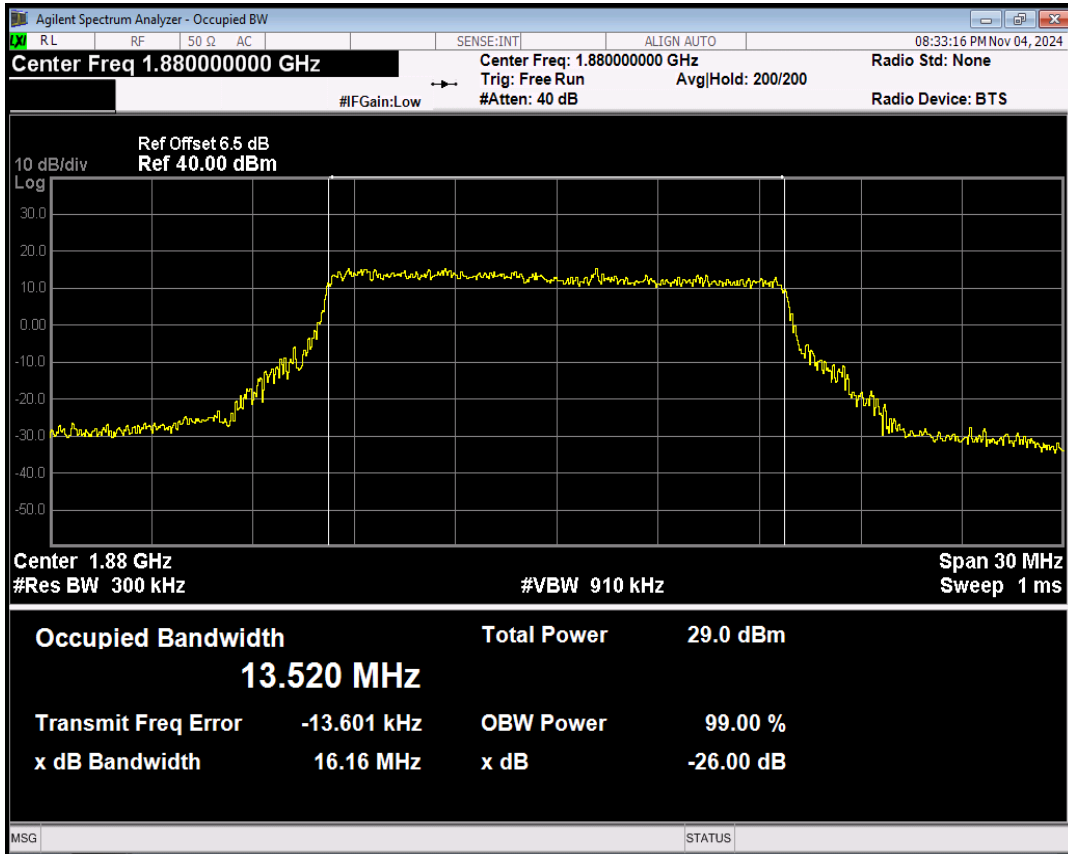
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



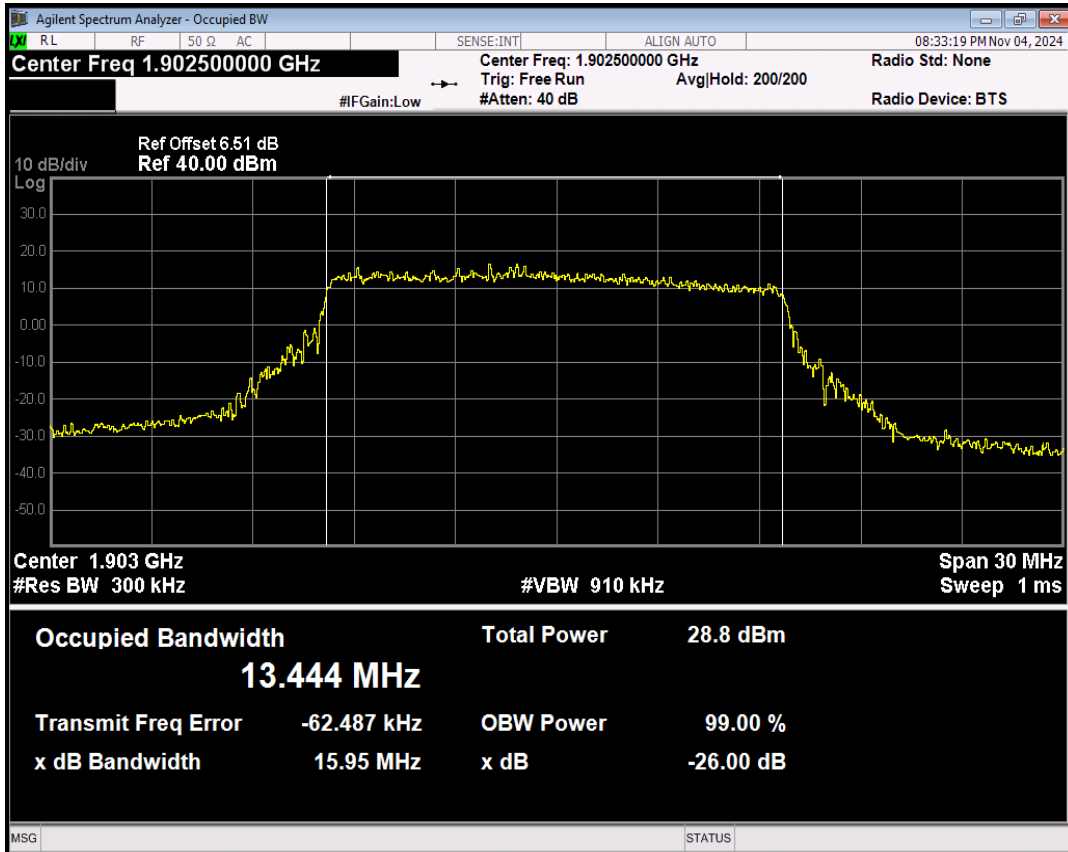
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



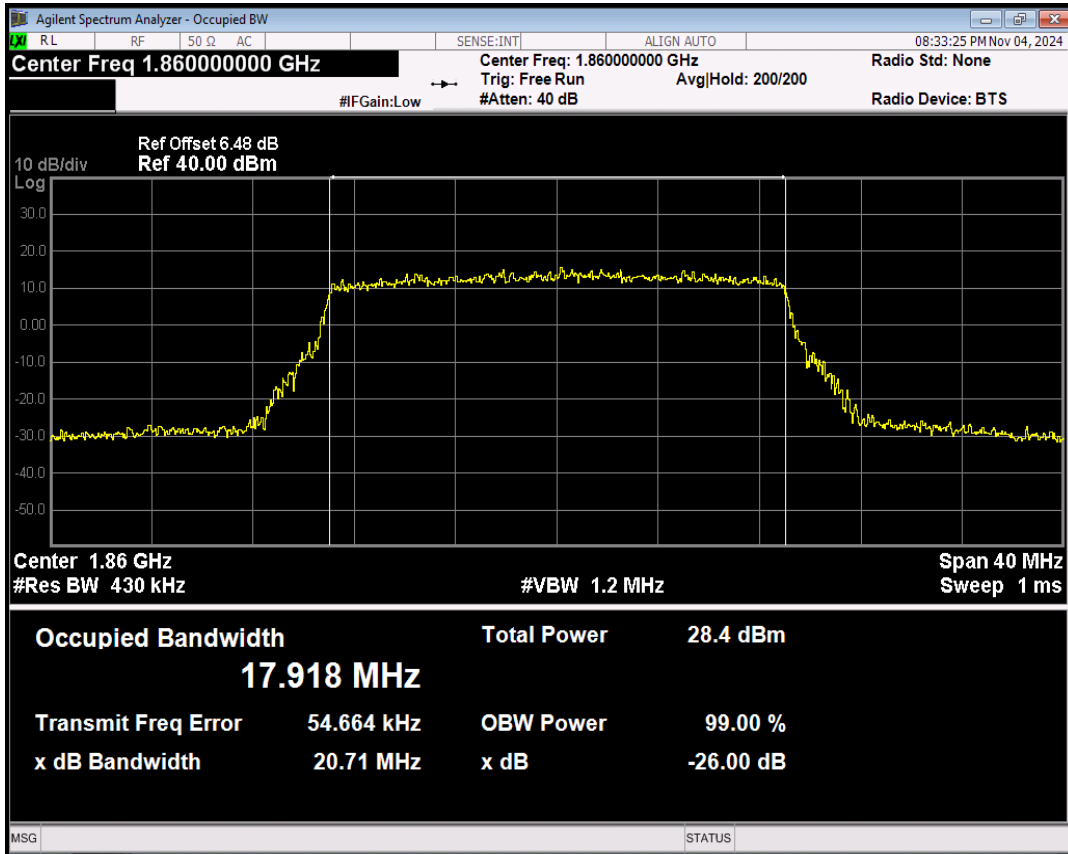
Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0



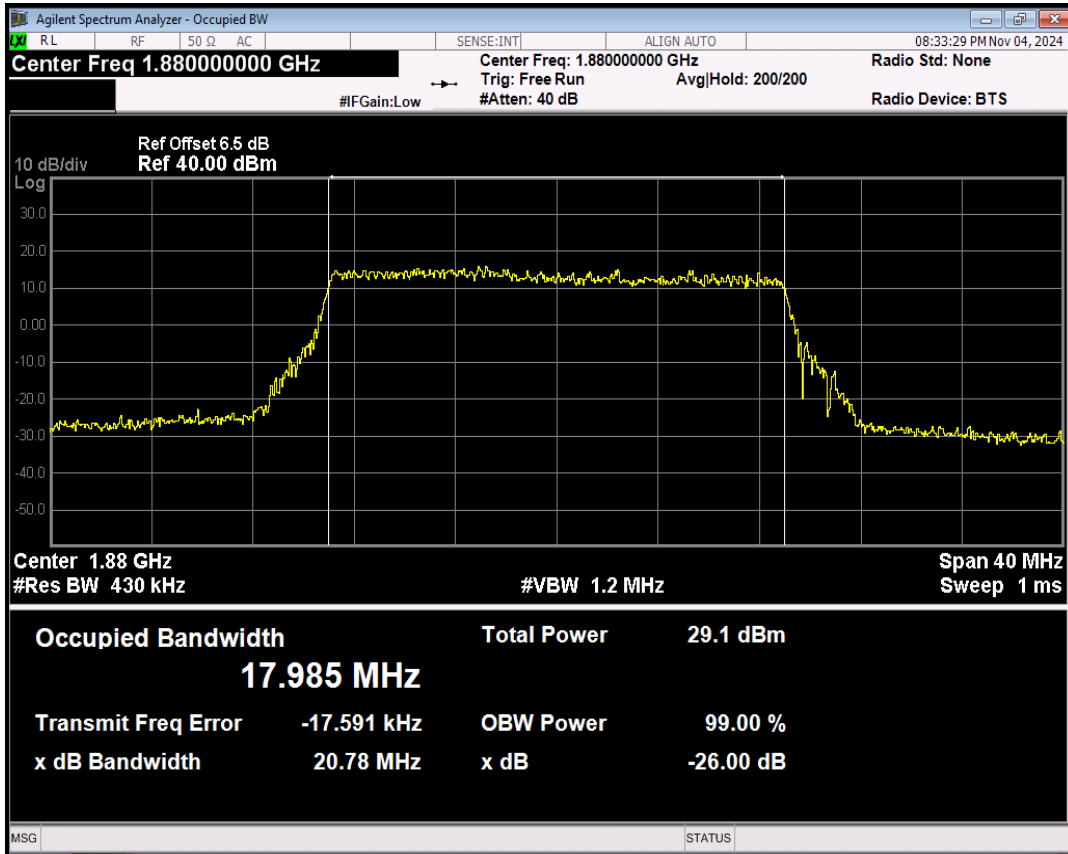
Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



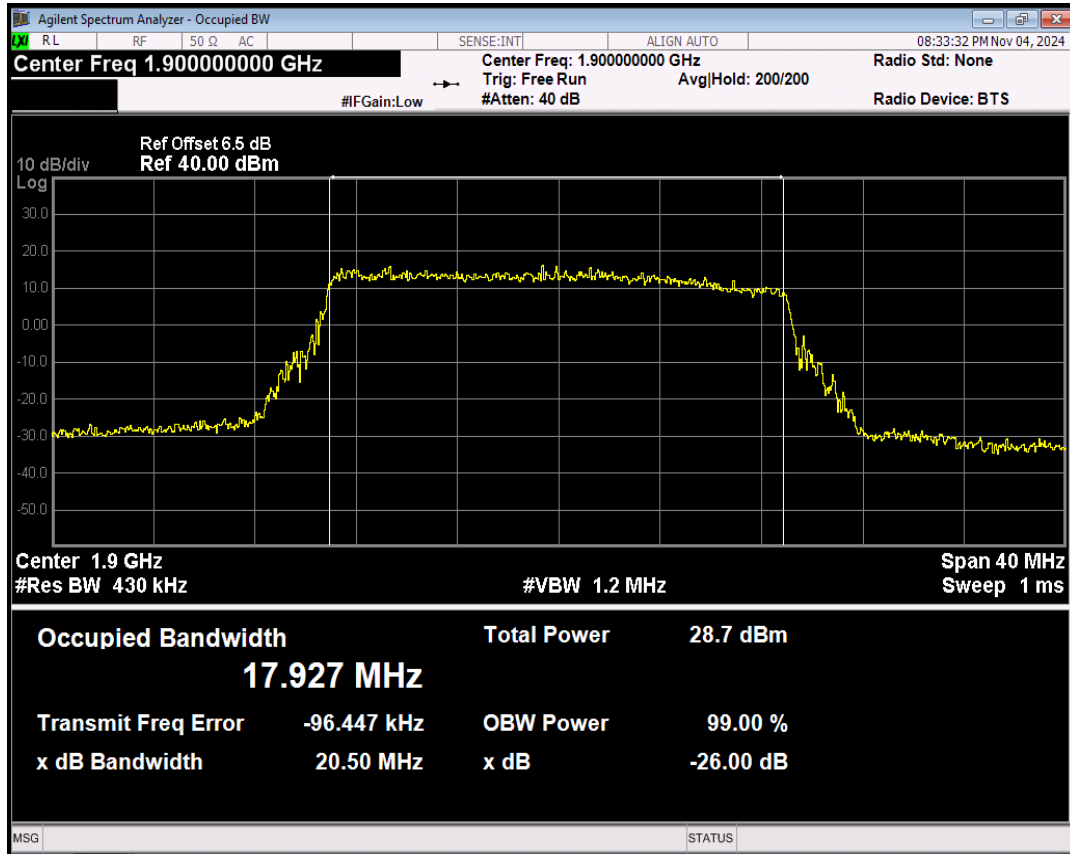
Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



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



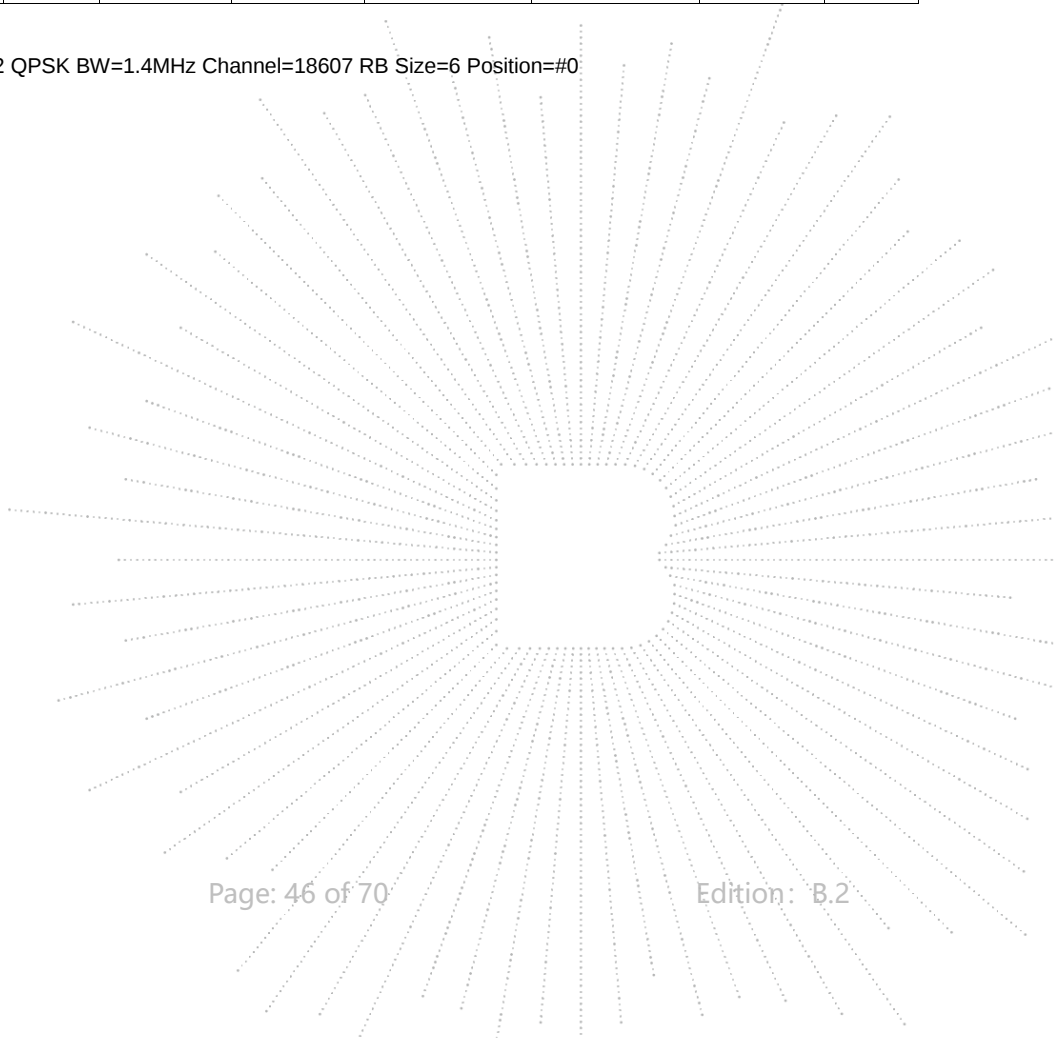
Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0



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	1849.99	-26.38	-13	PASS
Band2	1.4	18607	6	#0	16QAM	1850.00	-26.80	-13	PASS
Band2	1.4	19193	6	#0	QPSK	1910.01	-26.01	-13	PASS
Band2	1.4	19193	6	#0	16QAM	1910.00	-27.05	-13	PASS
Band2	3	18615	15	#0	QPSK	1850.00	-26.27	-13	PASS
Band2	3	18615	15	#0	16QAM	1850.00	-26.65	-13	PASS
Band2	3	19185	15	#0	QPSK	1910.00	-27.08	-13	PASS
Band2	3	19185	15	#0	16QAM	1910.01	-27.41	-13	PASS
Band2	5	18625	25	#0	QPSK	1850.00	-30.53	-13	PASS
Band2	5	18625	25	#0	16QAM	1849.98	-30.71	-13	PASS
Band2	5	19175	25	#0	QPSK	1910.01	-31.86	-13	PASS
Band2	5	19175	25	#0	16QAM	1910.04	-32.52	-13	PASS
Band2	10	18650	50	#0	QPSK	1849.86	-39.59	-13	PASS
Band2	10	19150	50	#0	QPSK	1910.00	-41.61	-13	PASS
Band2	15	18675	75	#0	QPSK	1849.70	-29.86	-13	PASS
Band2	15	19125	75	#0	QPSK	1910.33	-30.46	-13	PASS
Band2	20	18700	100	#0	QPSK	1849.96	-31.09	-13	PASS
Band2	20	19100	100	#0	QPSK	1910.00	-33.13	-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



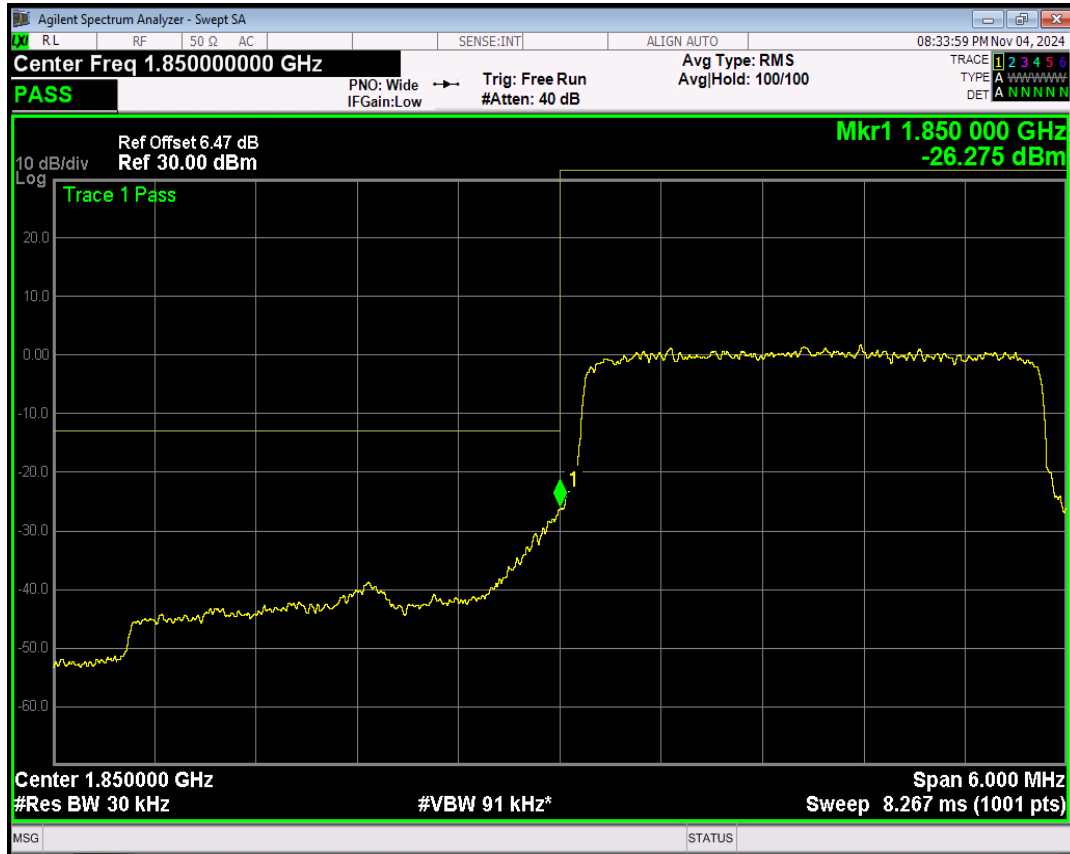
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



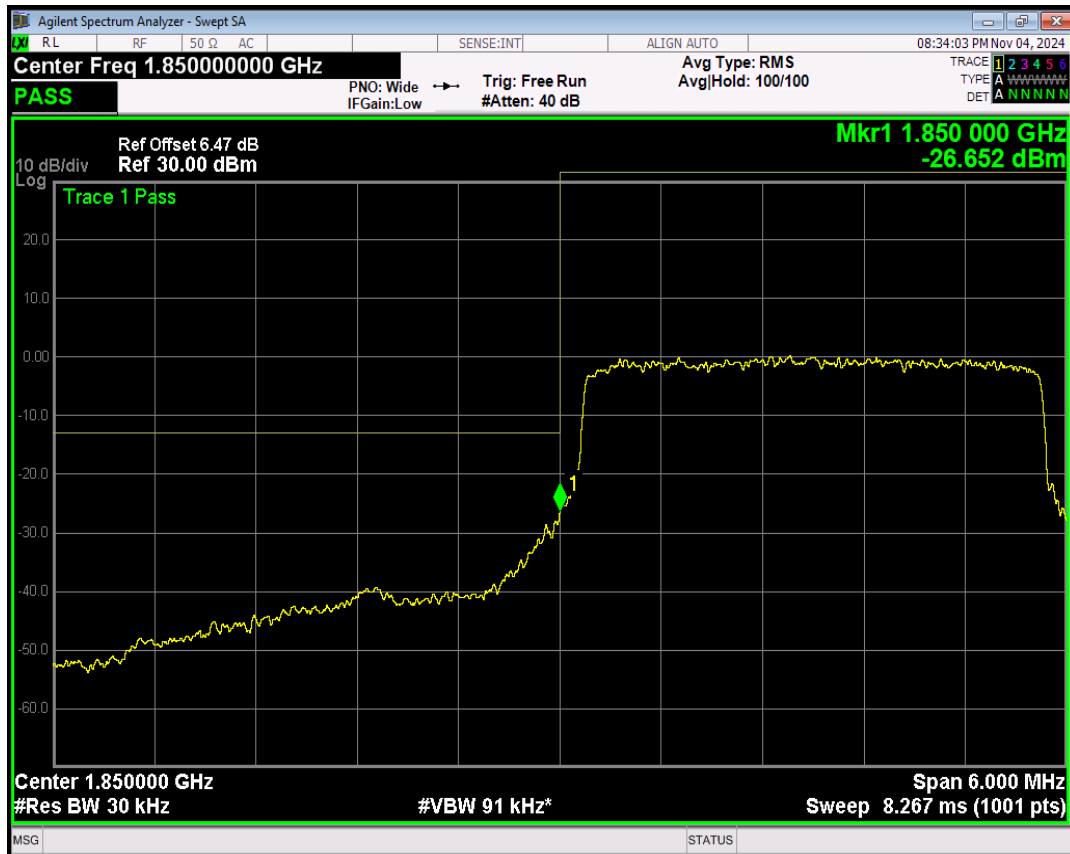
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



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



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



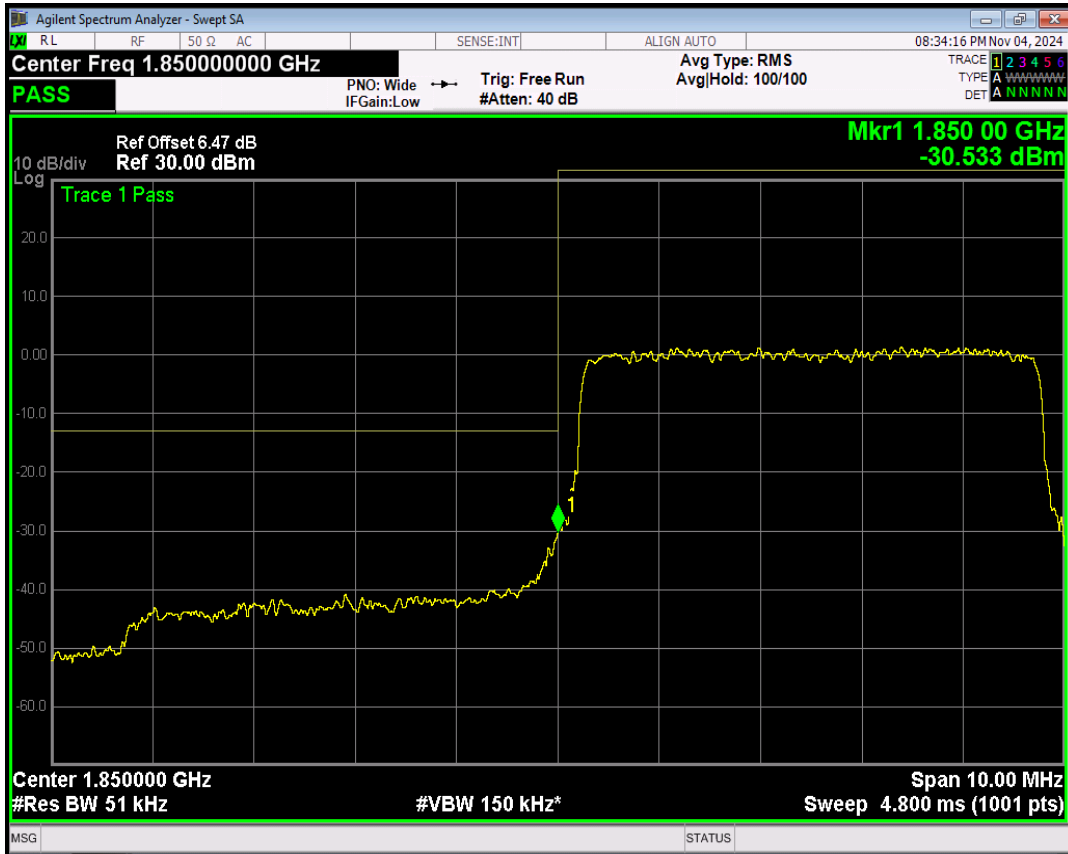
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



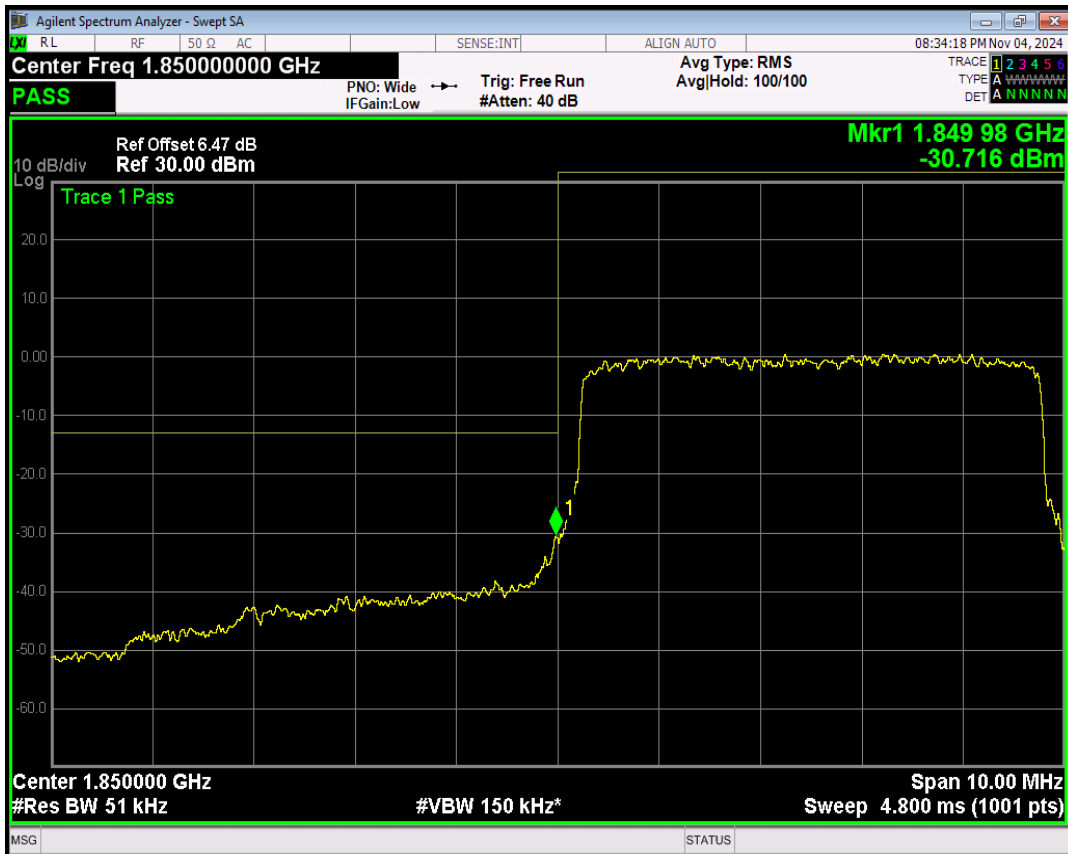
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



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



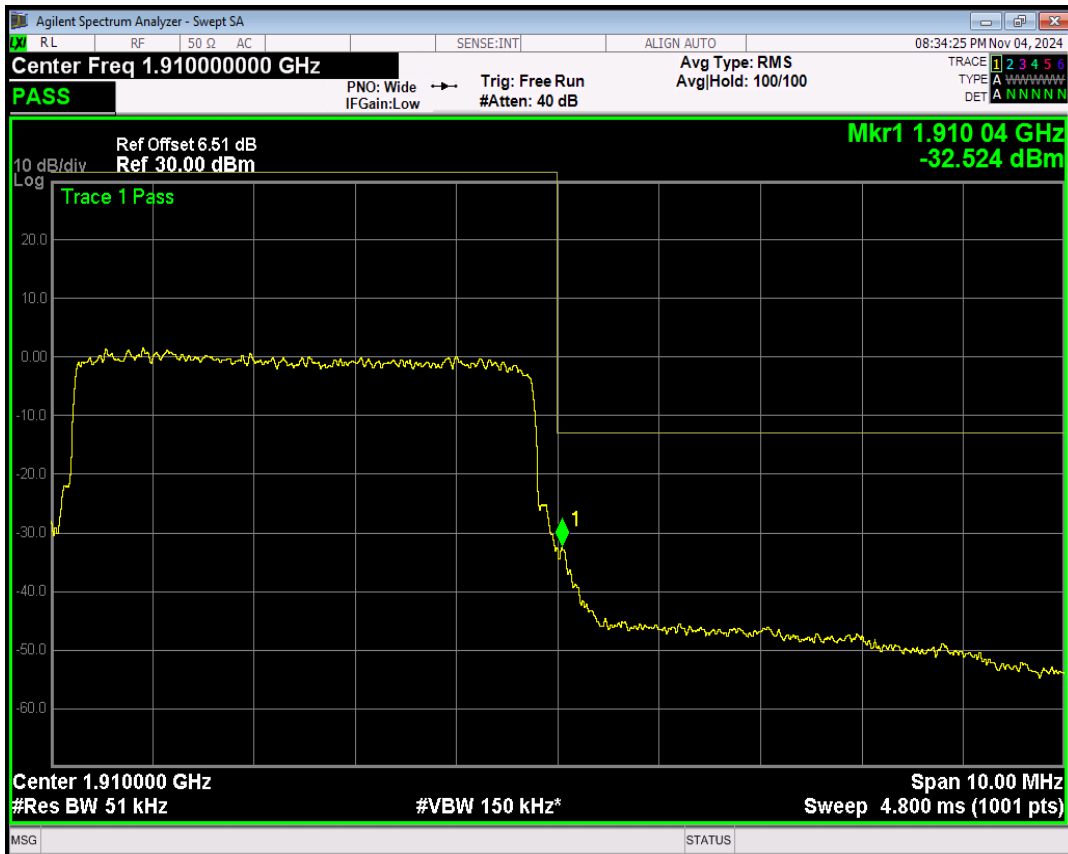
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



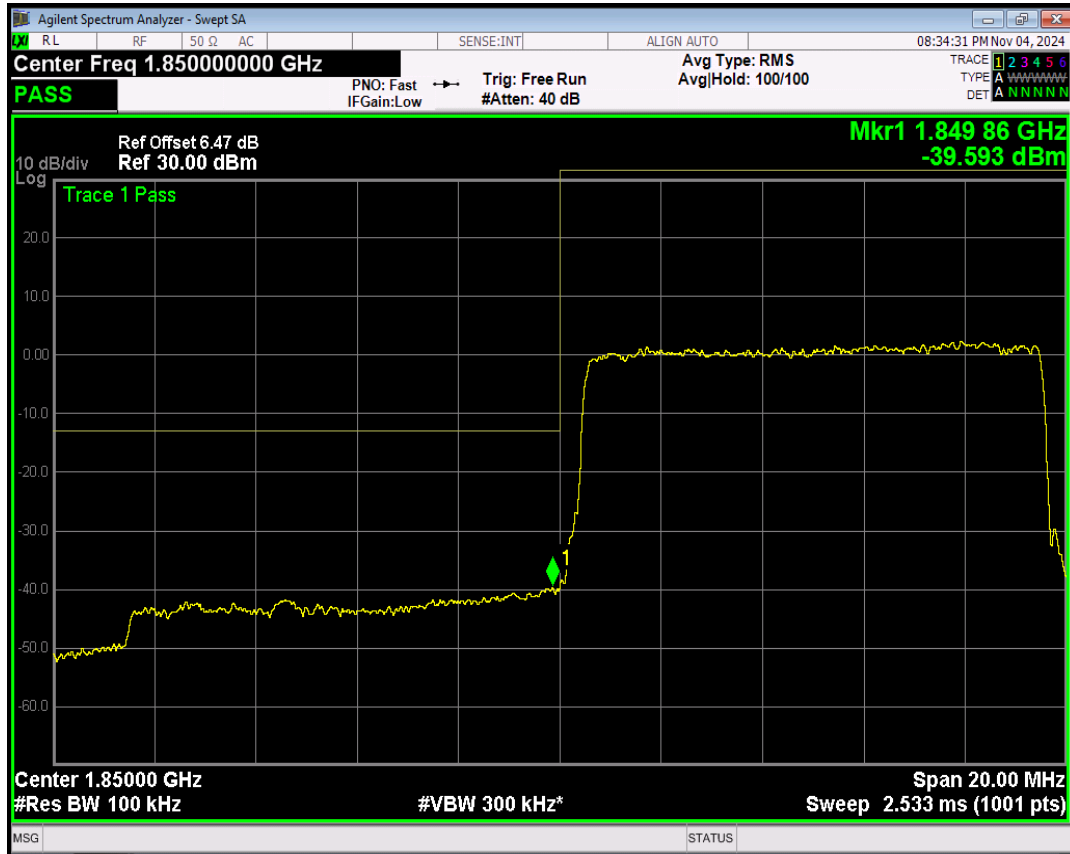
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



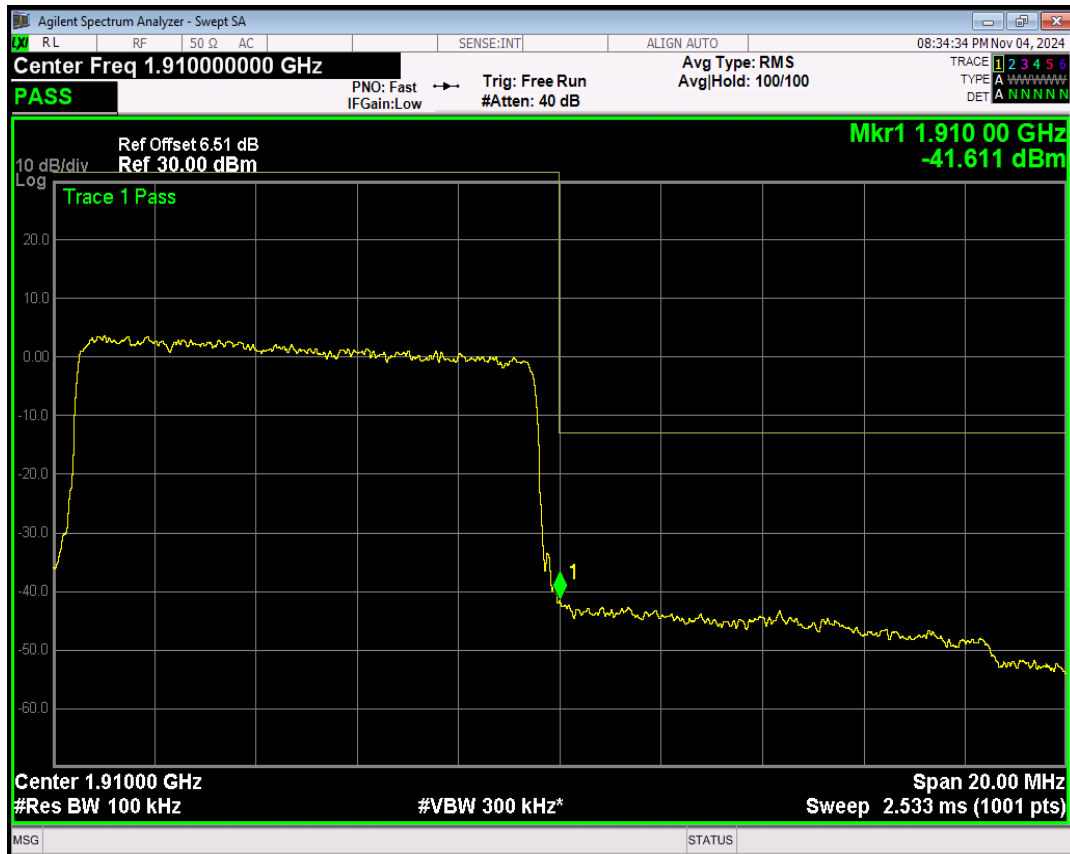
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



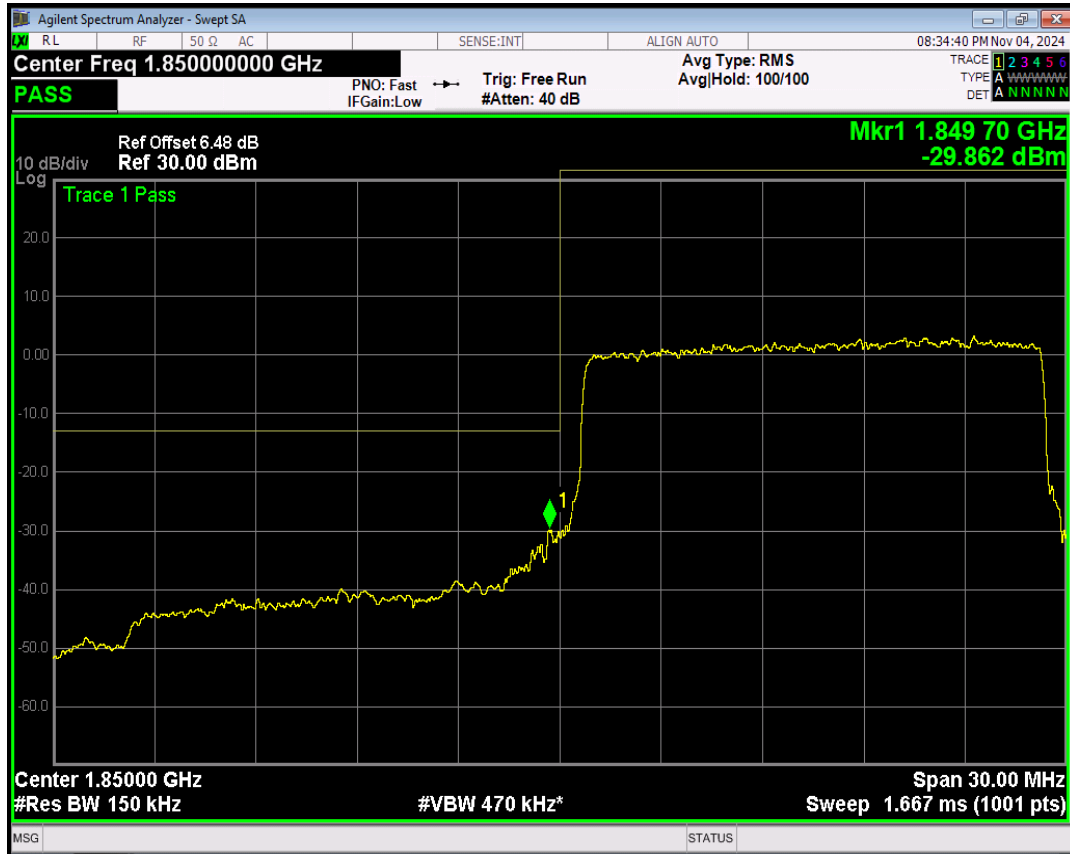
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



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



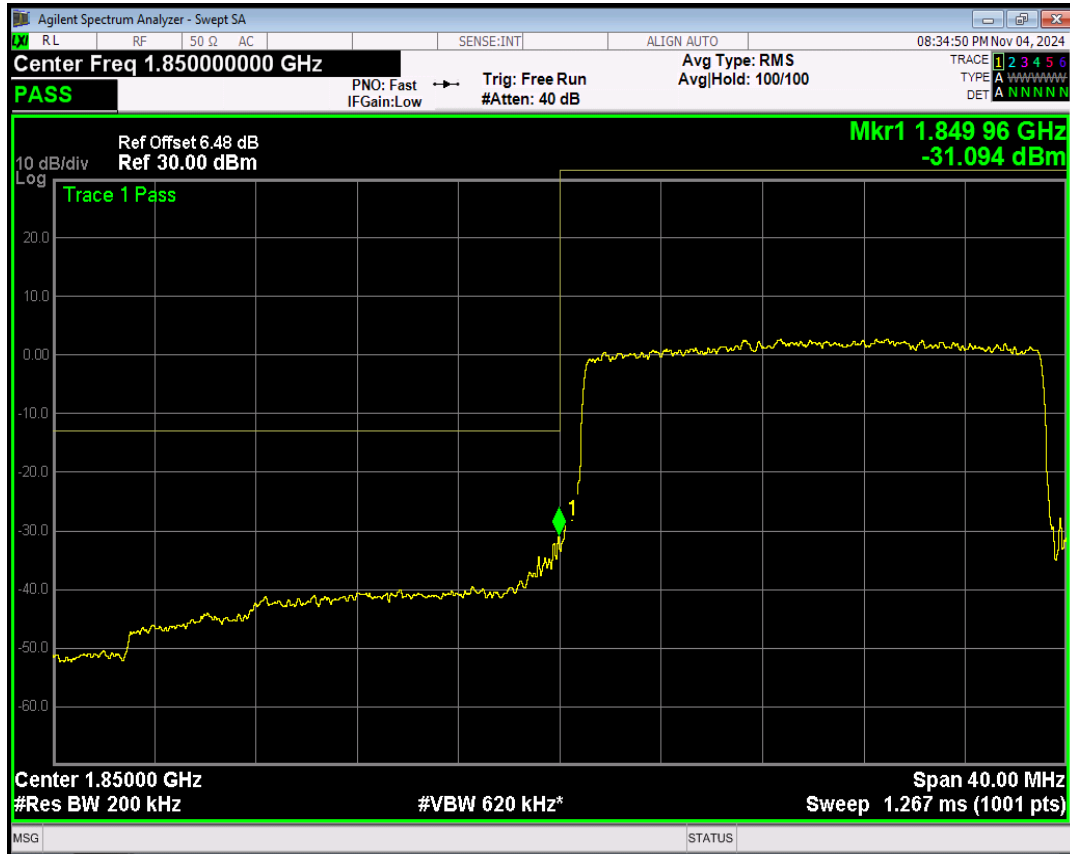
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



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



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



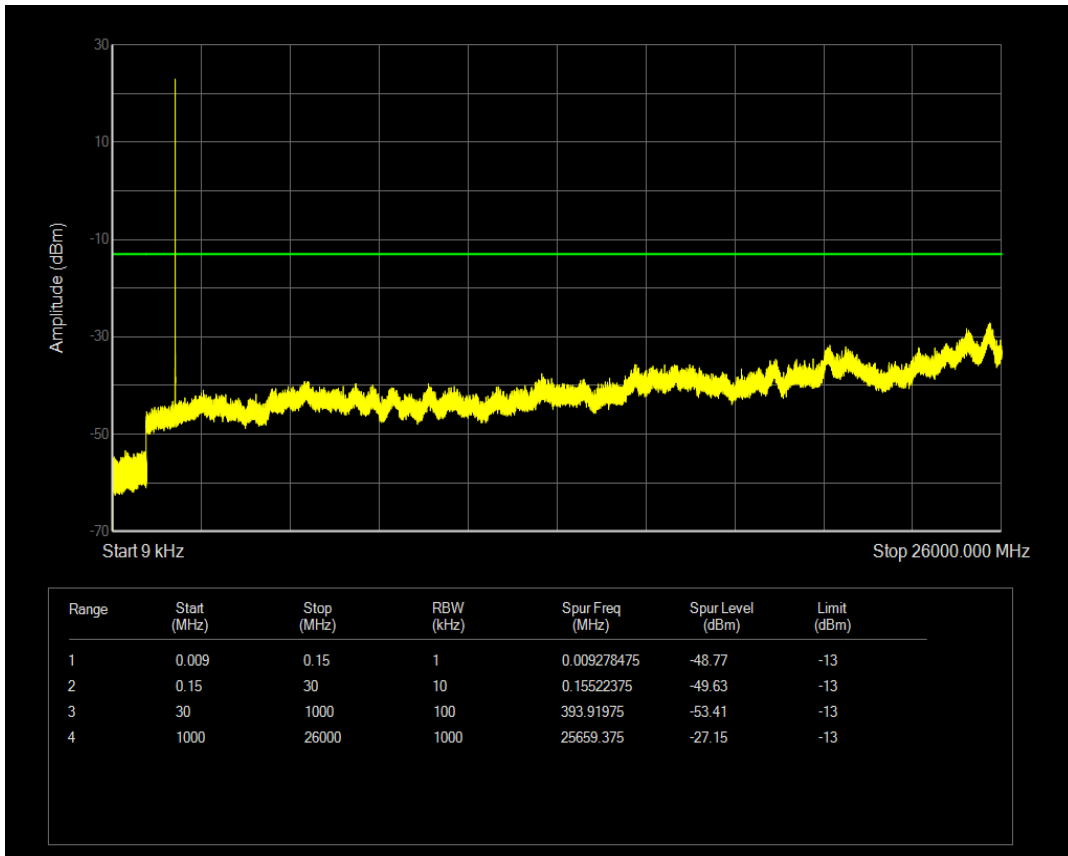
Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0



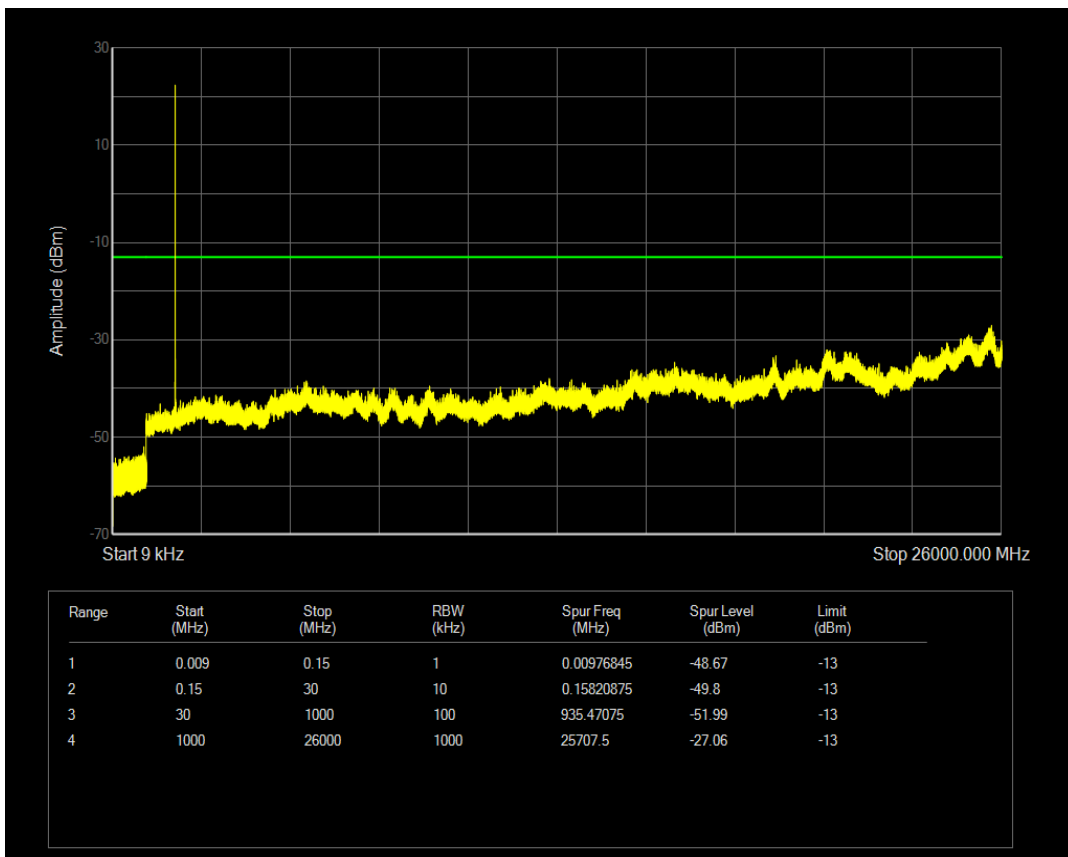
Appendix 6. Out-of-band emissions

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	25659.38	-27.15	-13	PASS
Band2	1.4	18607	6	#0	16QAM	25707.50	-27.06	-13	PASS
Band2	1.4	18900	6	#0	QPSK	25600.63	-27.97	-13	PASS
Band2	1.4	18900	6	#0	16QAM	25633.75	-26.86	-13	PASS
Band2	1.4	19193	6	#0	QPSK	25605.00	-27.59	-13	PASS
Band2	1.4	19193	6	#0	16QAM	25668.75	-27.58	-13	PASS
Band2	3	18615	15	#0	QPSK	25660.00	-27.36	-13	PASS
Band2	3	18615	15	#0	16QAM	25633.75	-27.36	-13	PASS
Band2	3	18900	15	#0	QPSK	25626.25	-27.31	-13	PASS
Band2	3	18900	15	#0	16QAM	25633.75	-27.51	-13	PASS
Band2	3	19185	15	#0	QPSK	25601.88	-26.57	-13	PASS
Band2	3	19185	15	#0	16QAM	25643.13	-27.10	-13	PASS
Band2	5	18625	25	#0	QPSK	25632.50	-27.00	-13	PASS
Band2	5	18625	25	#0	16QAM	25617.50	-27.71	-13	PASS
Band2	5	18900	25	#0	QPSK	25622.50	-27.38	-13	PASS
Band2	5	18900	25	#0	16QAM	25591.25	-26.91	-13	PASS
Band2	5	19175	25	#0	QPSK	25656.25	-26.58	-13	PASS
Band2	5	19175	25	#0	16QAM	25551.88	-27.48	-13	PASS
Band2	10	18650	50	#0	QPSK	25700.63	-27.60	-13	PASS
Band2	10	18900	50	#0	QPSK	25624.38	-26.01	-13	PASS
Band2	10	19150	50	#0	QPSK	25728.13	-26.99	-13	PASS
Band2	15	18675	75	#0	QPSK	25679.38	-27.65	-13	PASS
Band2	15	18900	75	#0	QPSK	25591.25	-27.70	-13	PASS
Band2	15	19125	75	#0	QPSK	25646.88	-26.89	-13	PASS
Band2	20	18700	100	#0	QPSK	25613.75	-27.10	-13	PASS
Band2	20	18900	100	#0	QPSK	25579.38	-27.10	-13	PASS
Band2	20	19100	100	#0	QPSK	25592.50	-27.26	-13	PASS

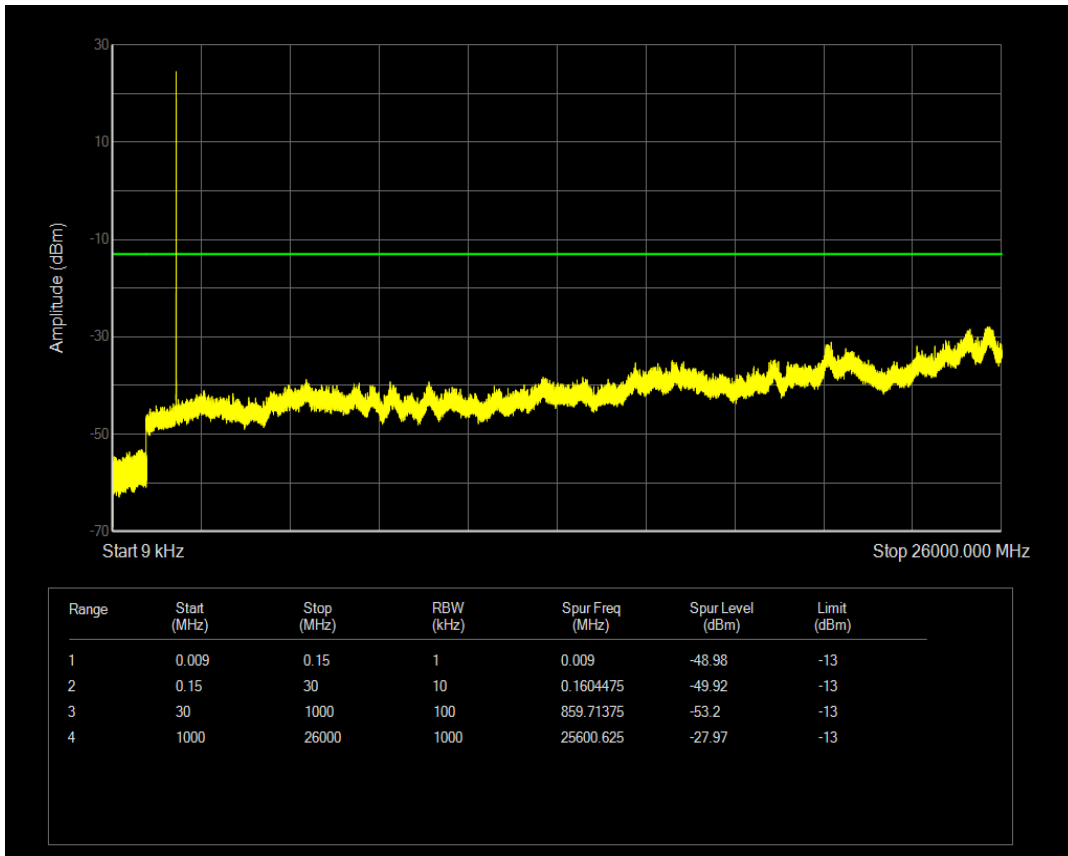
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



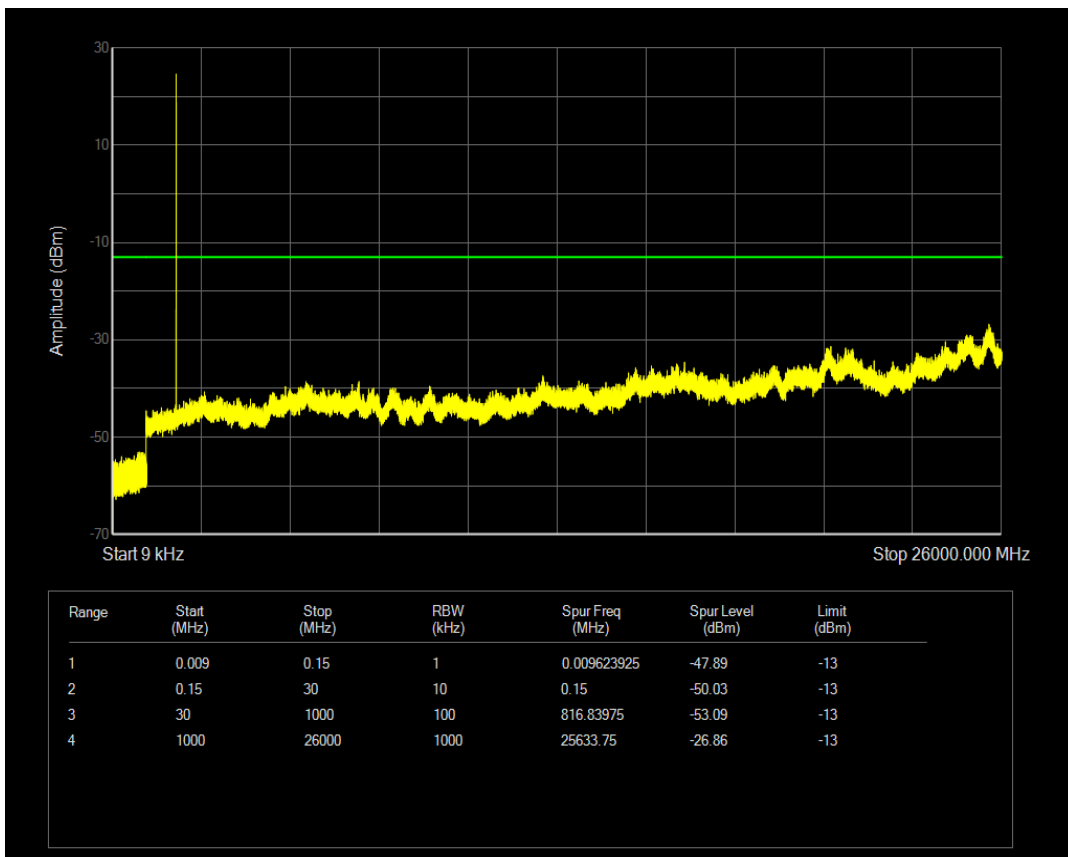
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



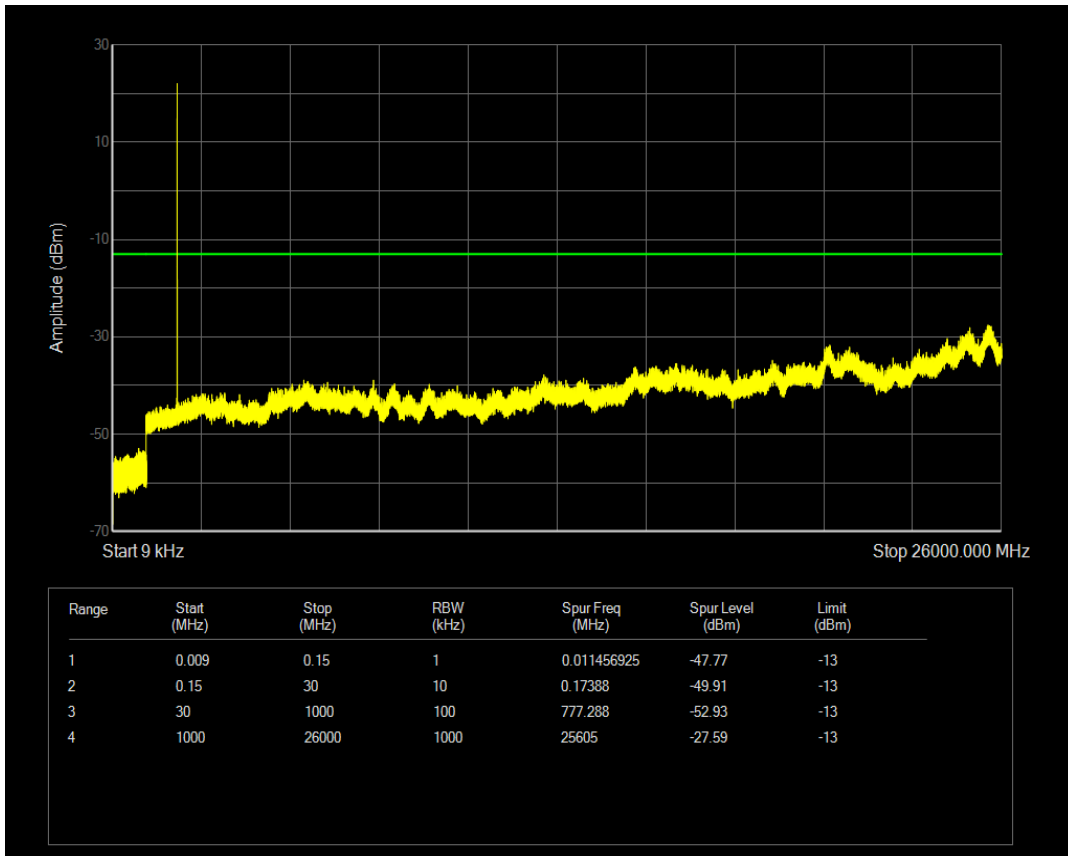
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



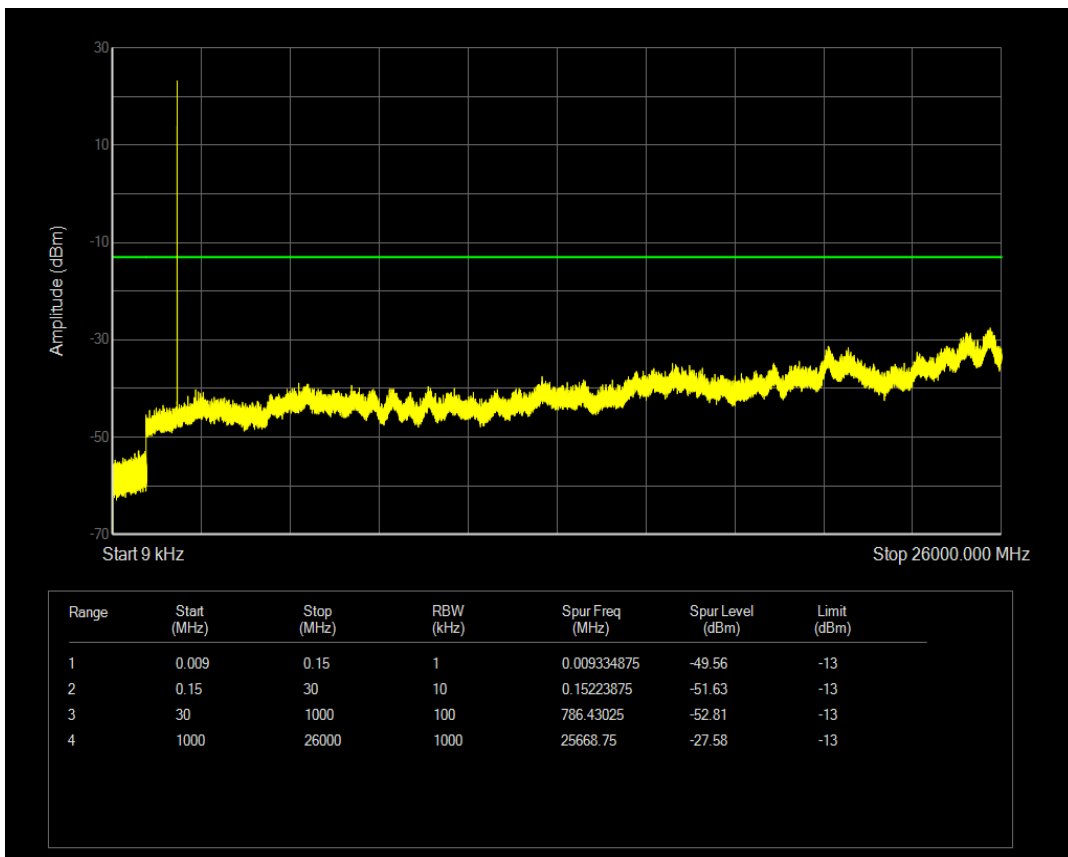
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



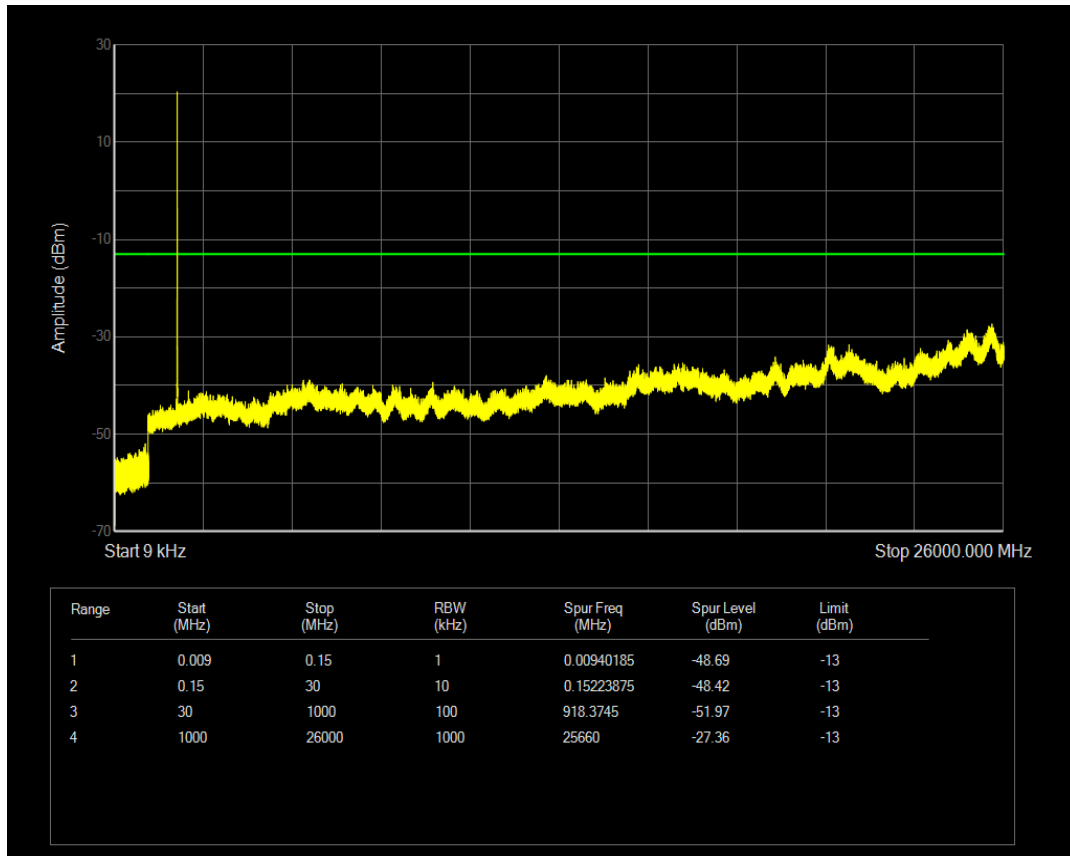
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



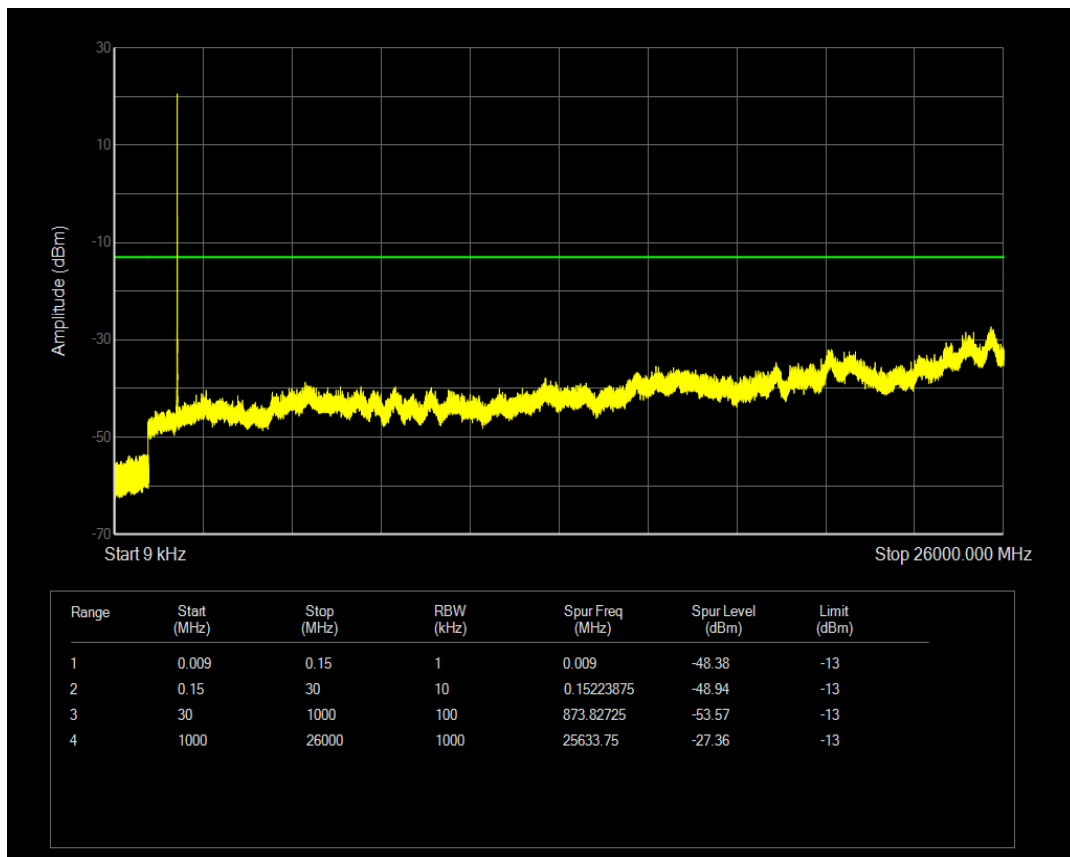
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



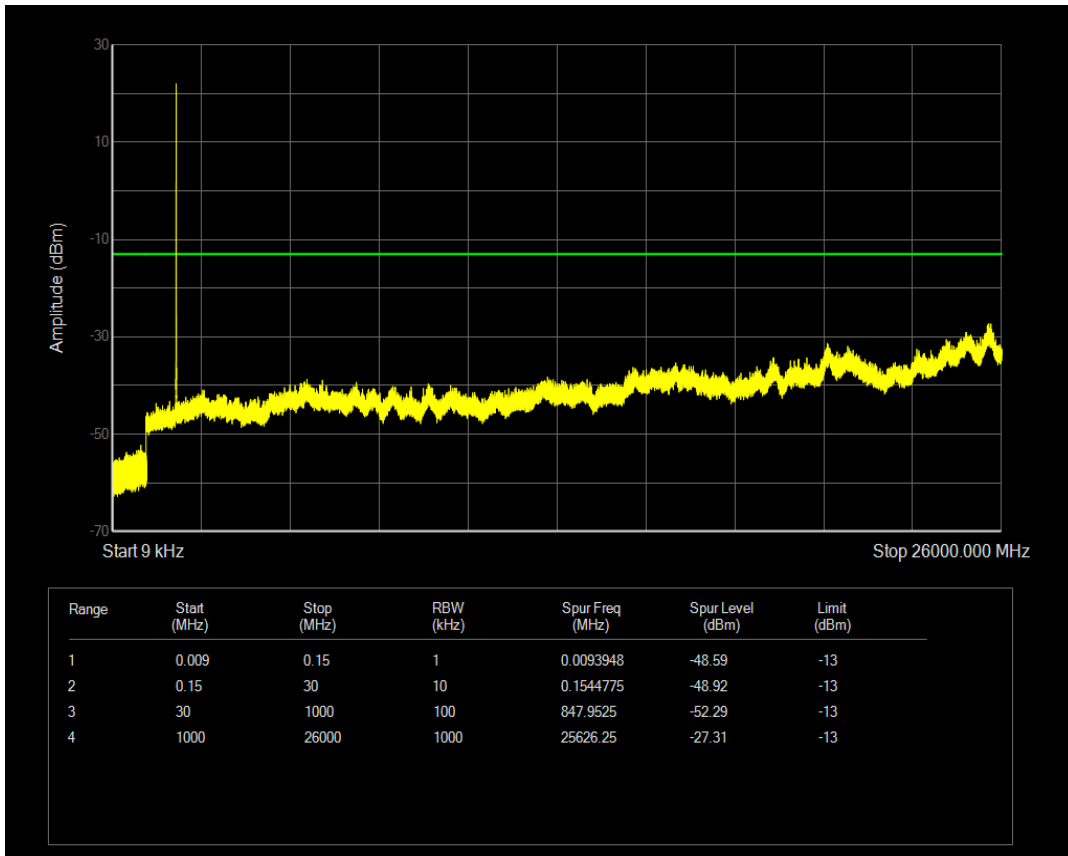
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



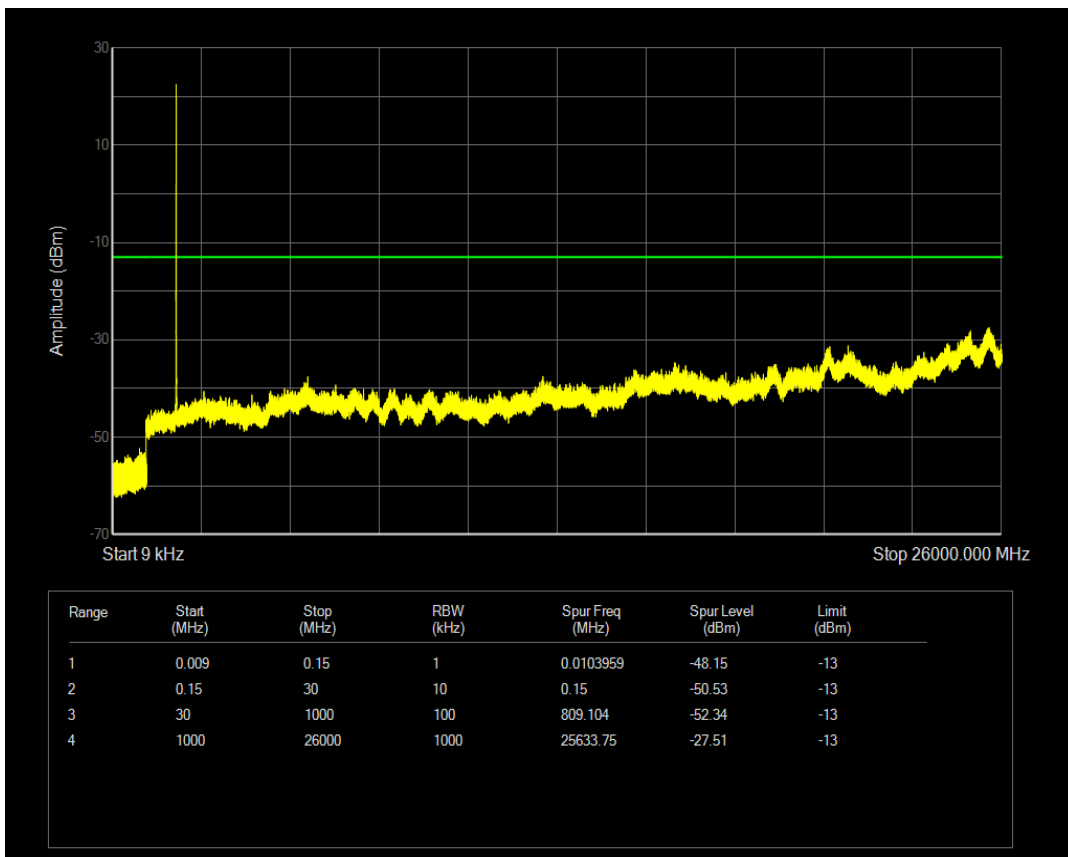
Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



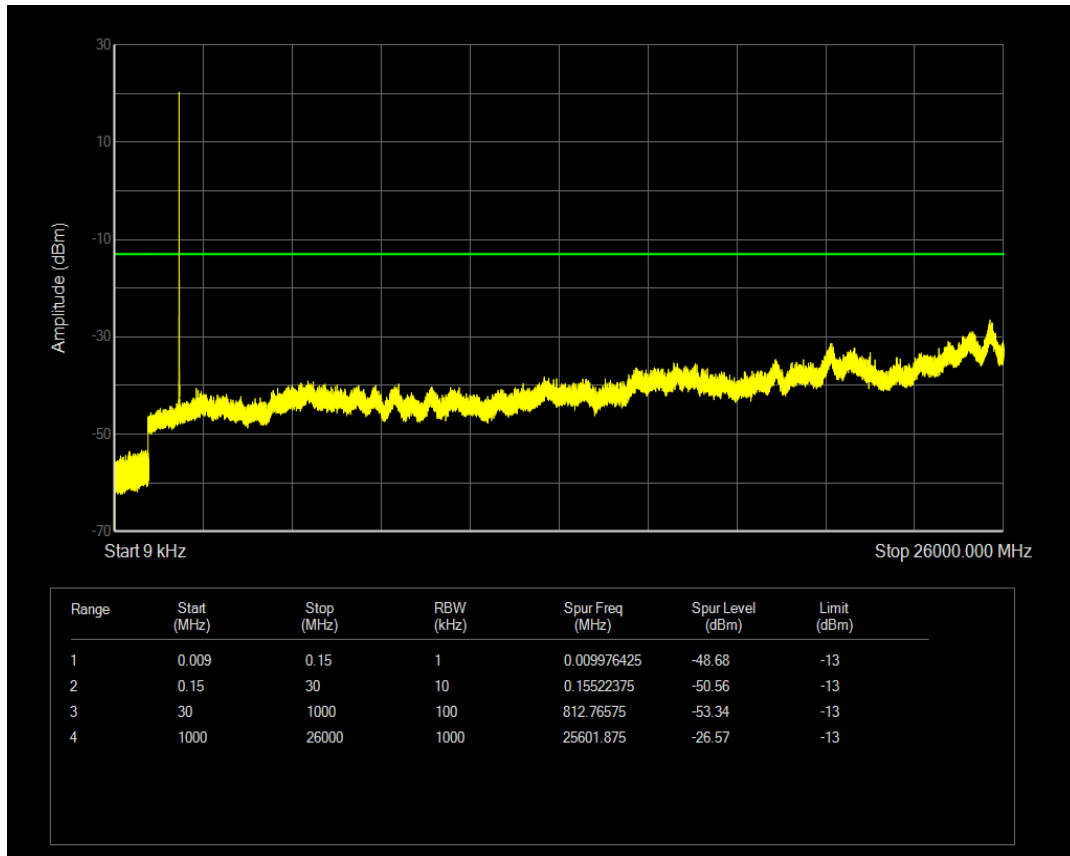
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



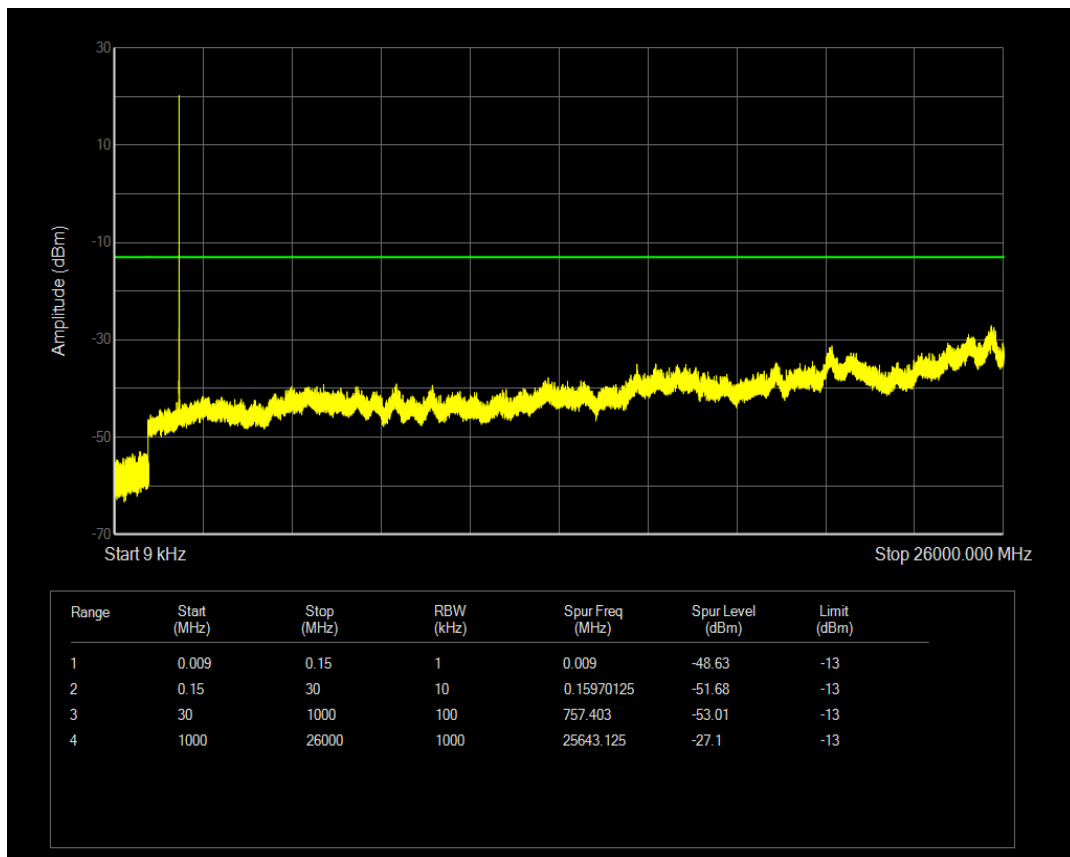
Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0



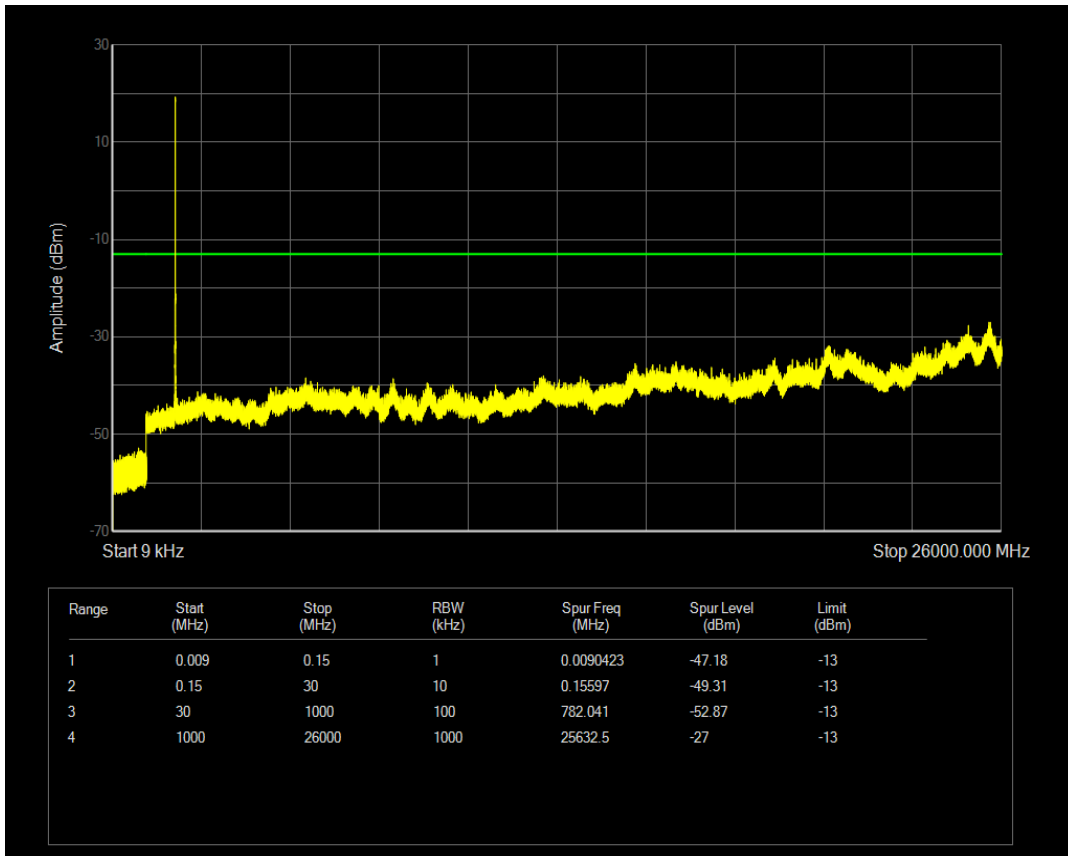
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



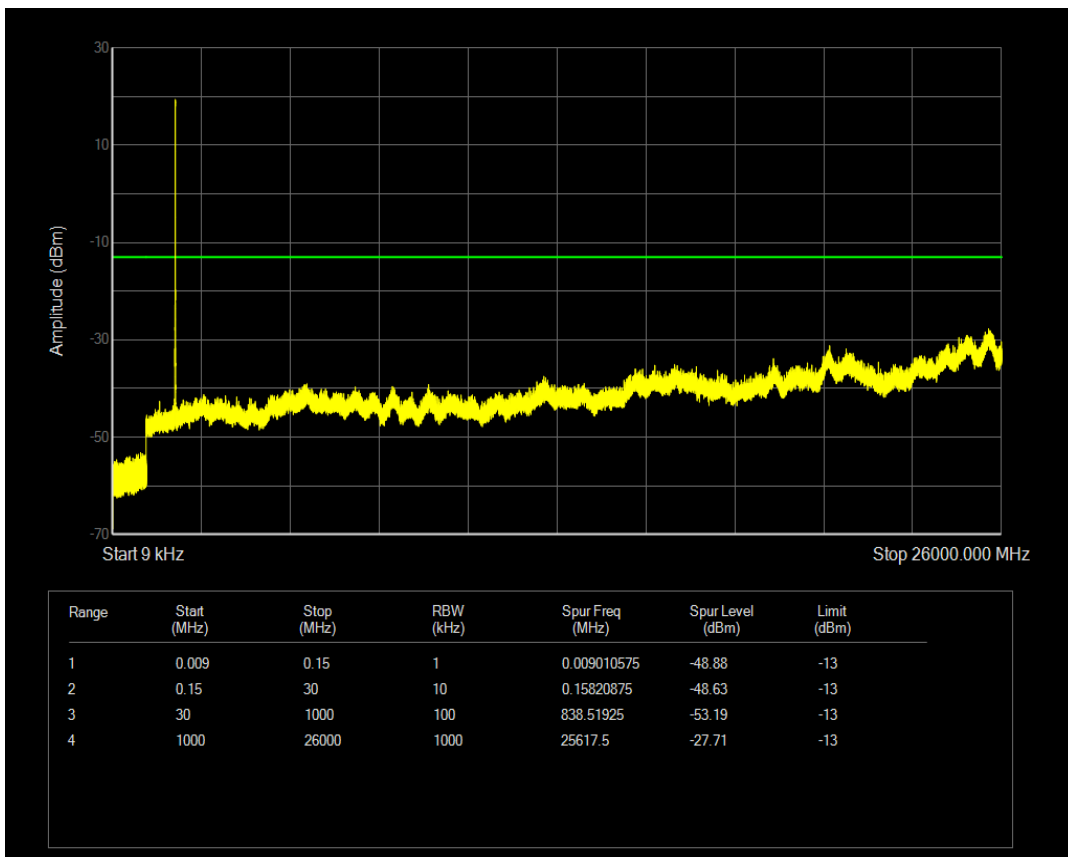
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



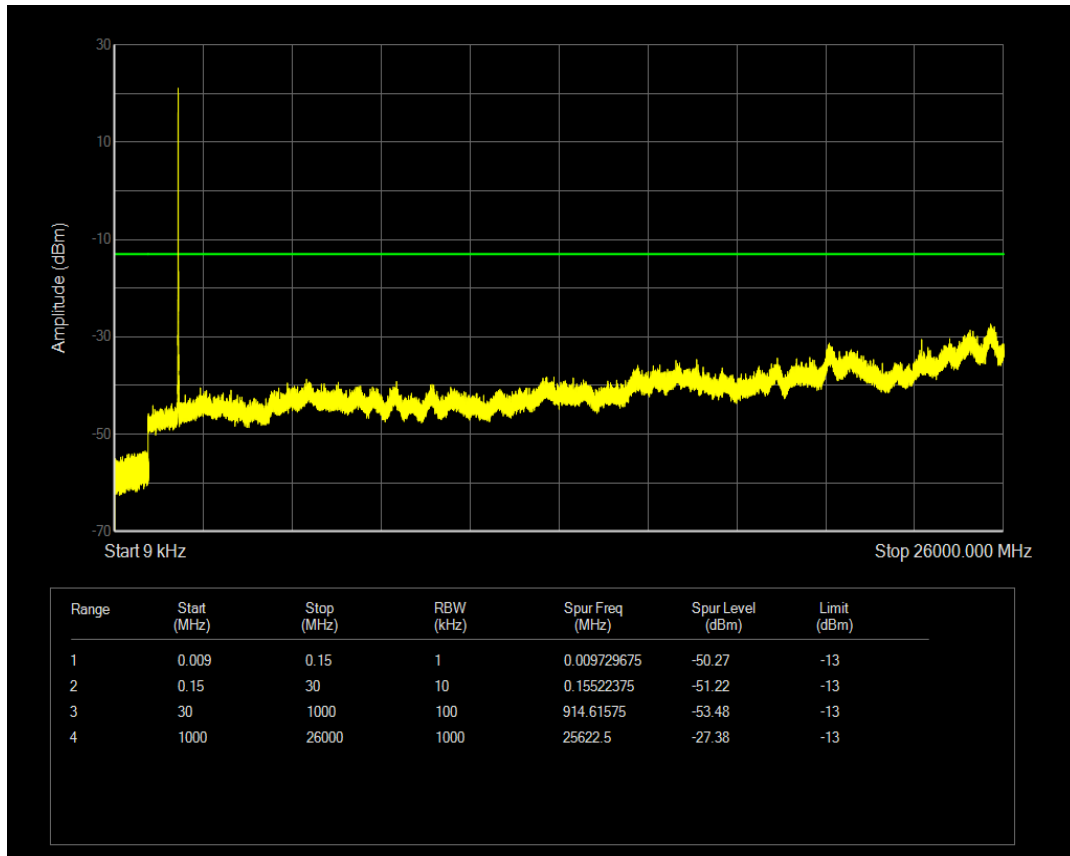
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



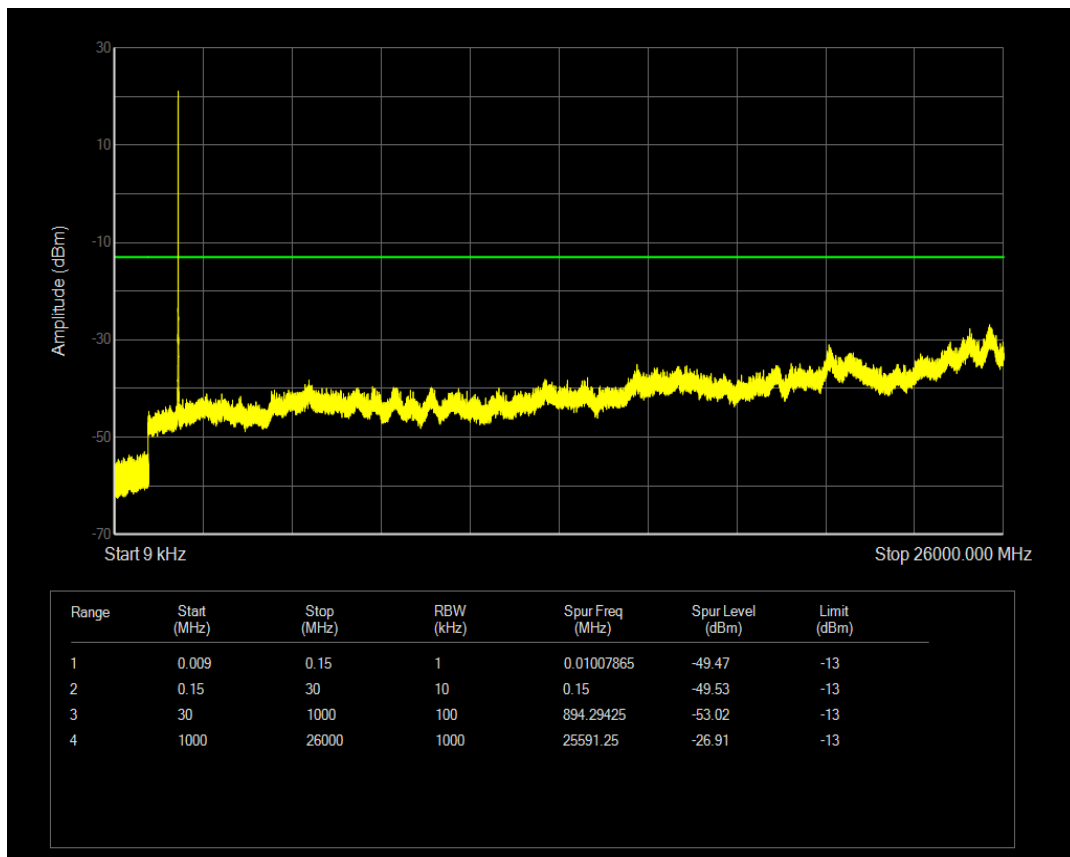
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



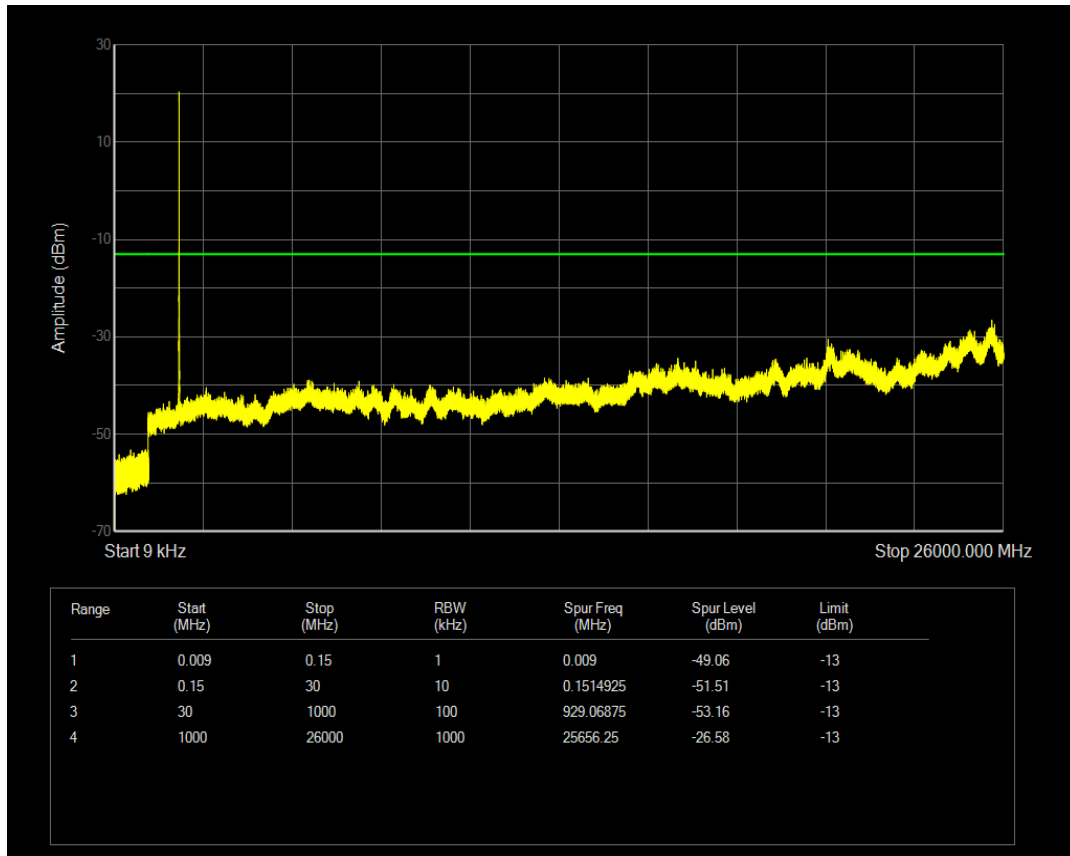
Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



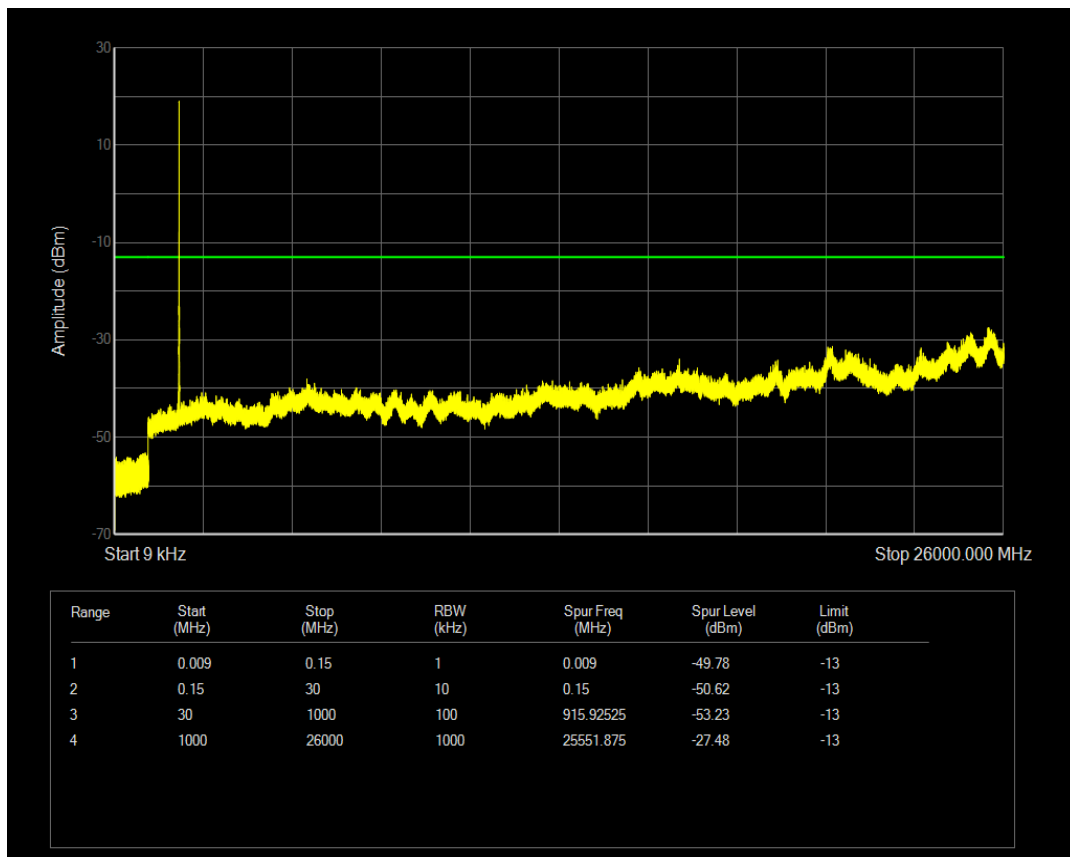
Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0



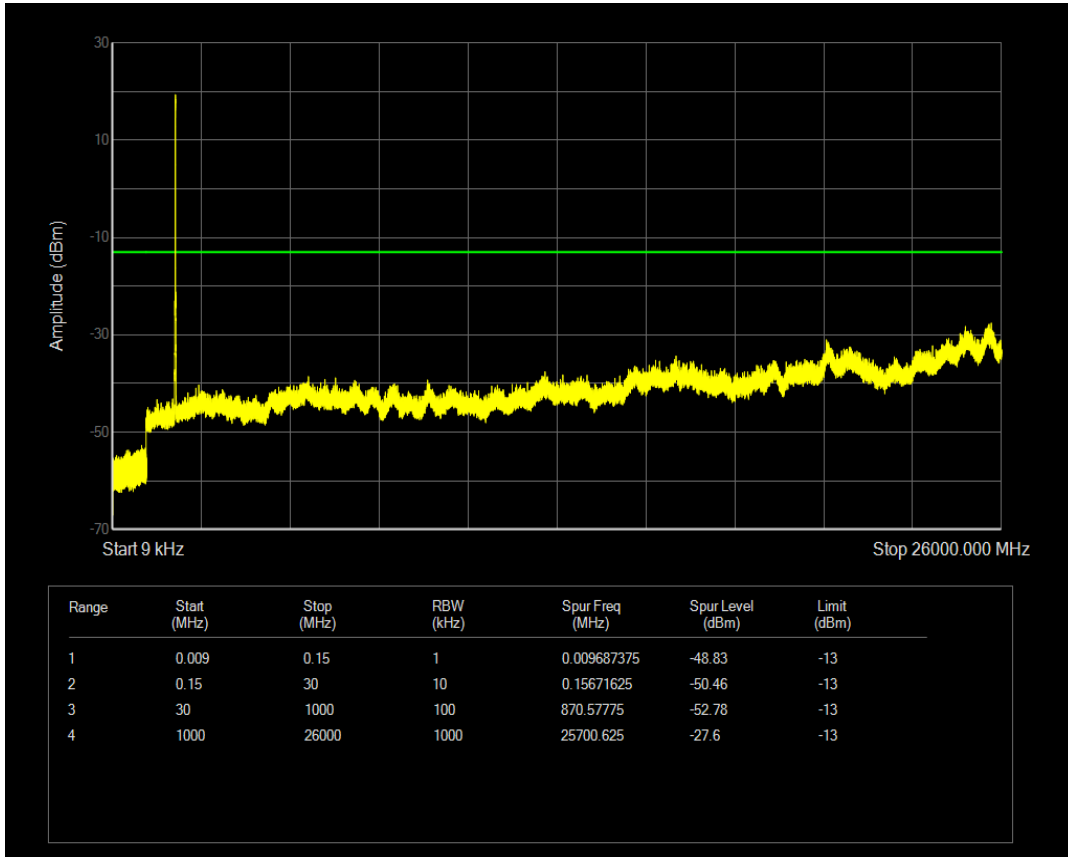
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



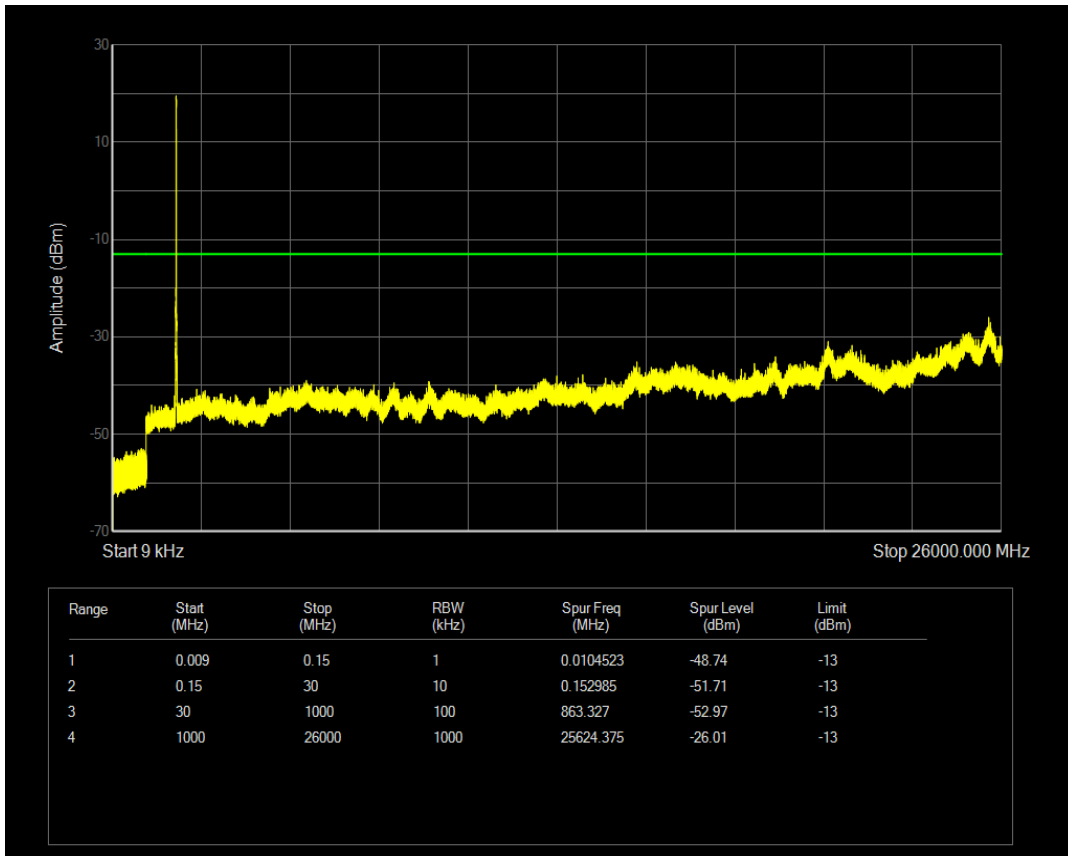
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



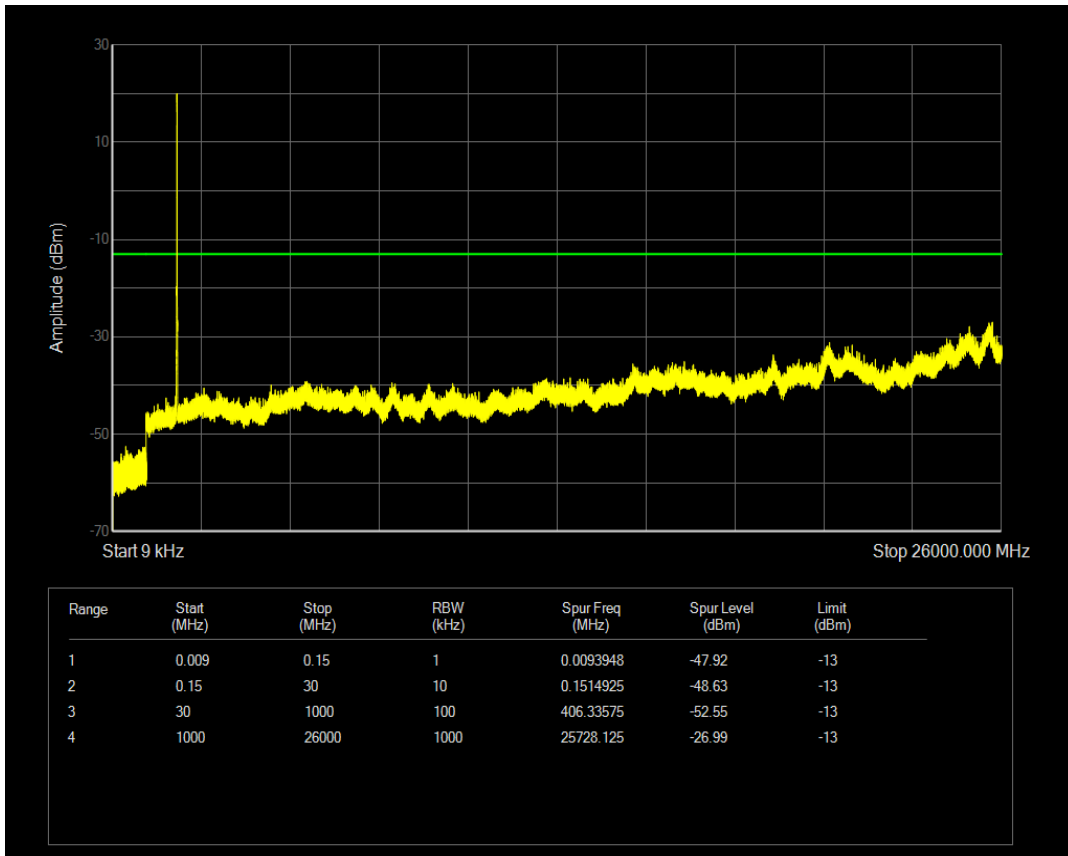
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



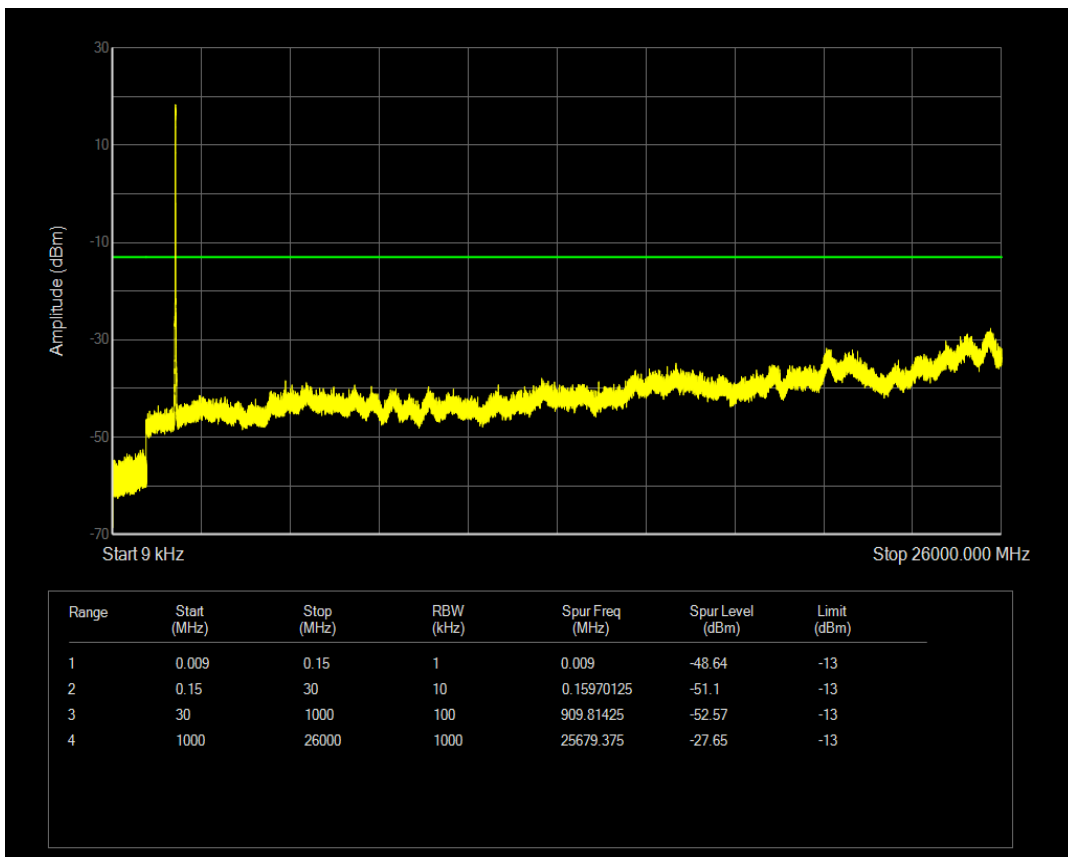
Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



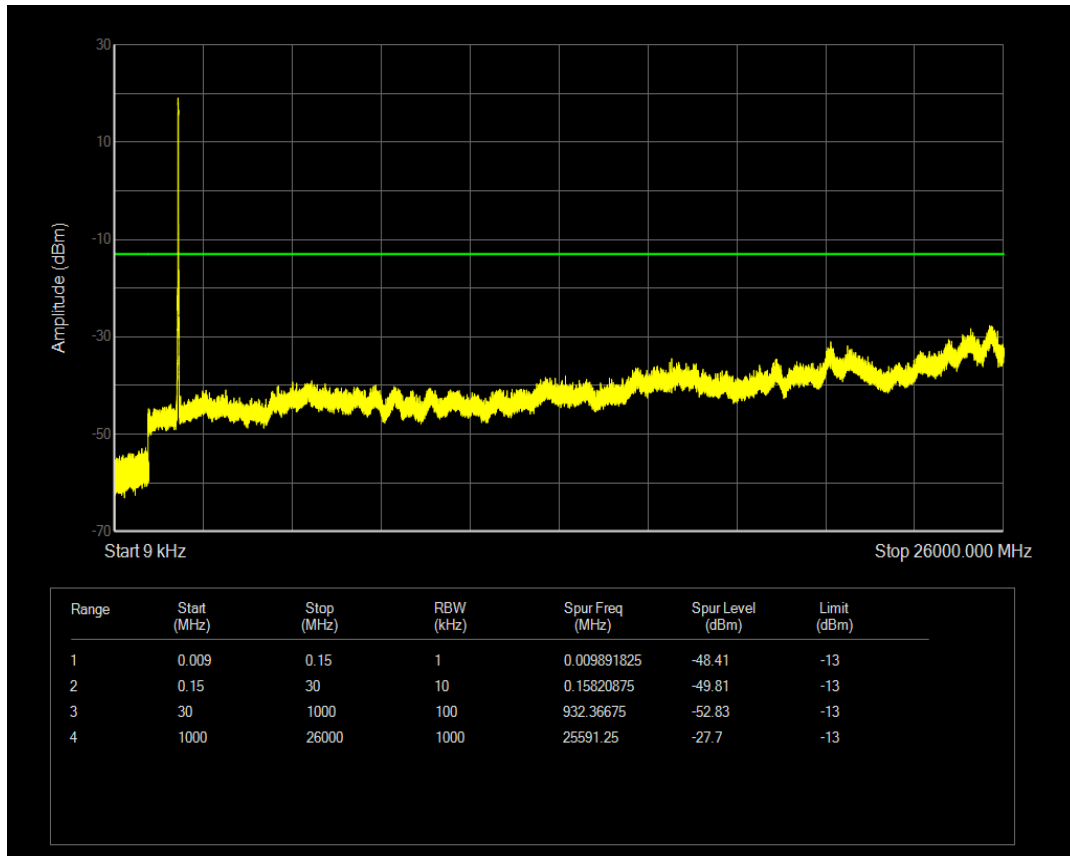
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



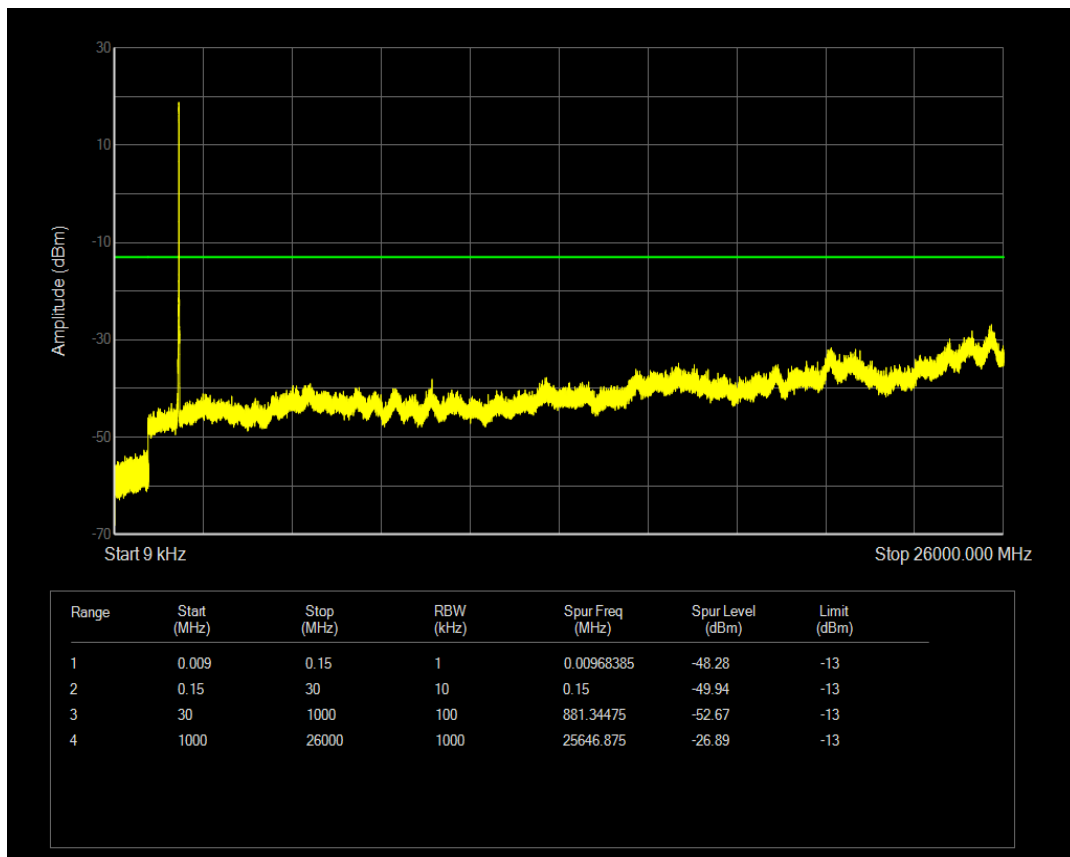
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



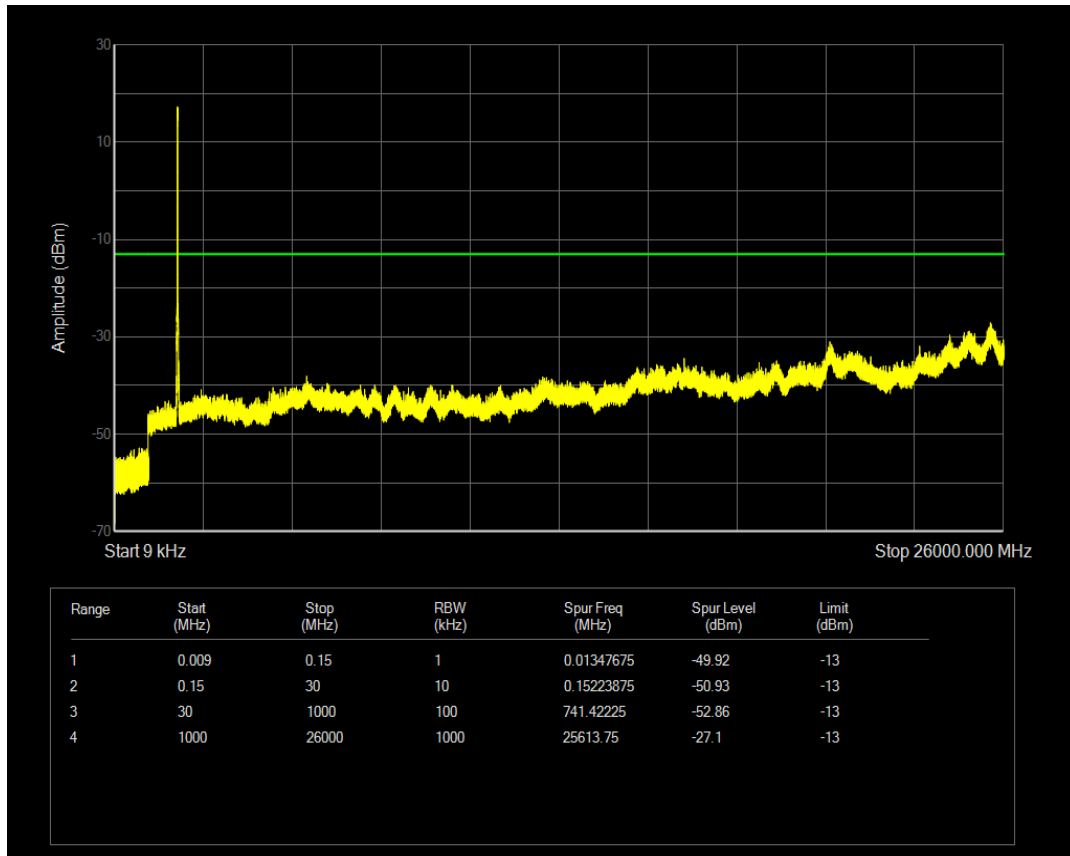
Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0



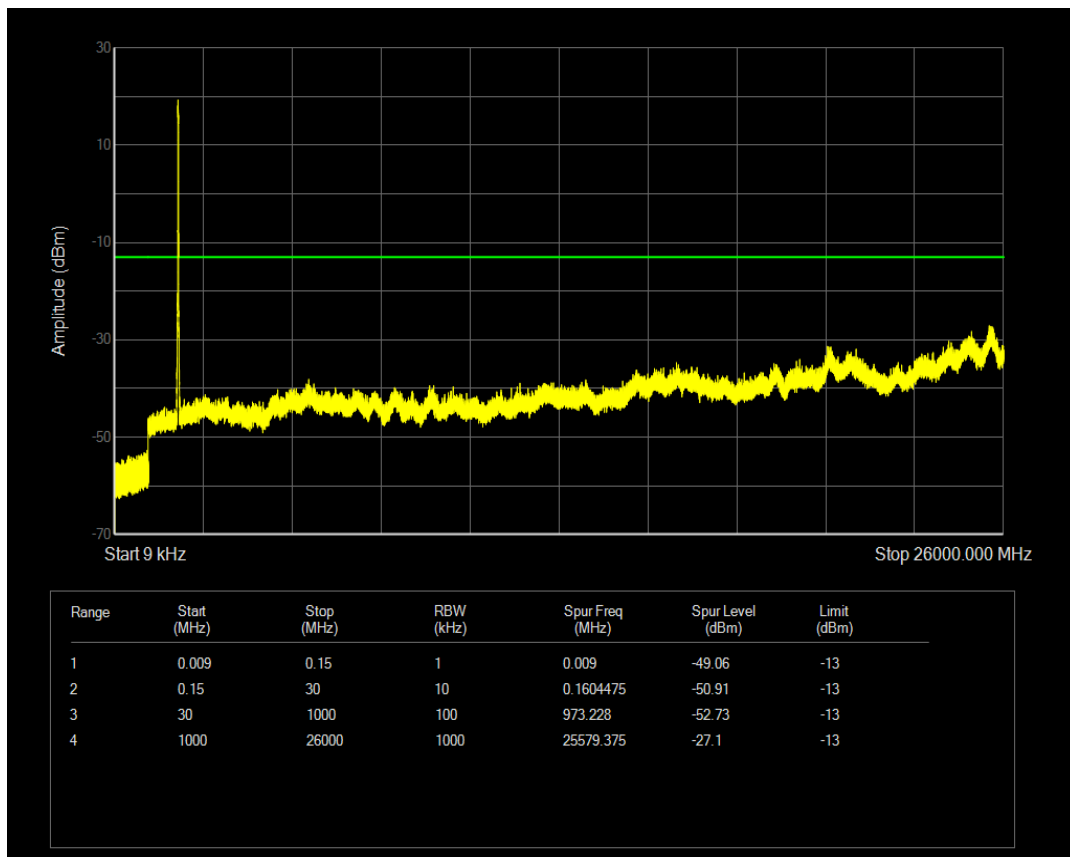
Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



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

