

Appendix for Band 7

FCC ID: 2BMTM-DOGZE4G

Report No.: BCTC2411568200-2E

Applicant: M2AiM Services LLC

Product Name: GPS collar for Hunting Dogs

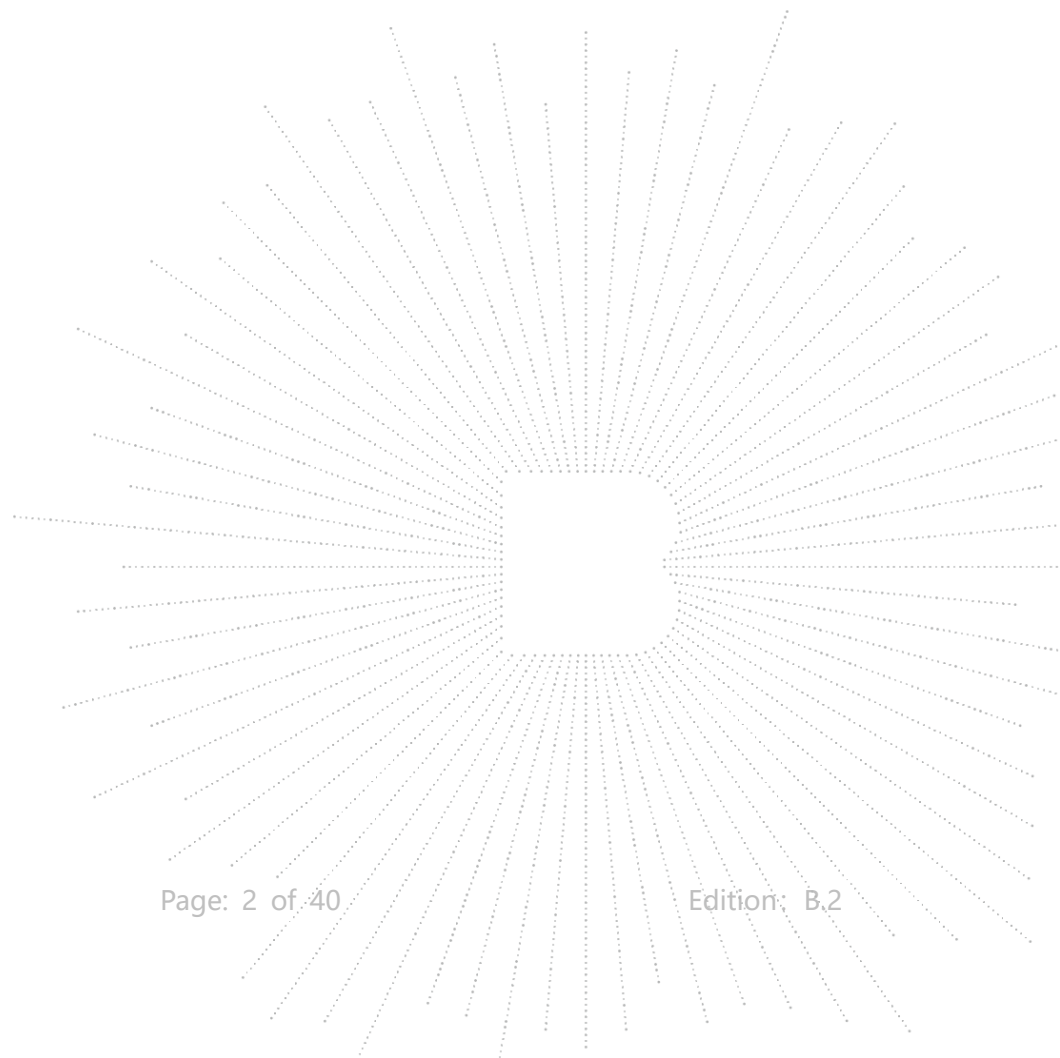
Test Model: DOGZE 4G

Tested Date: 2024-11-04 to 2024-12-05

Shenzhen BCTC Testing Co., Ltd.

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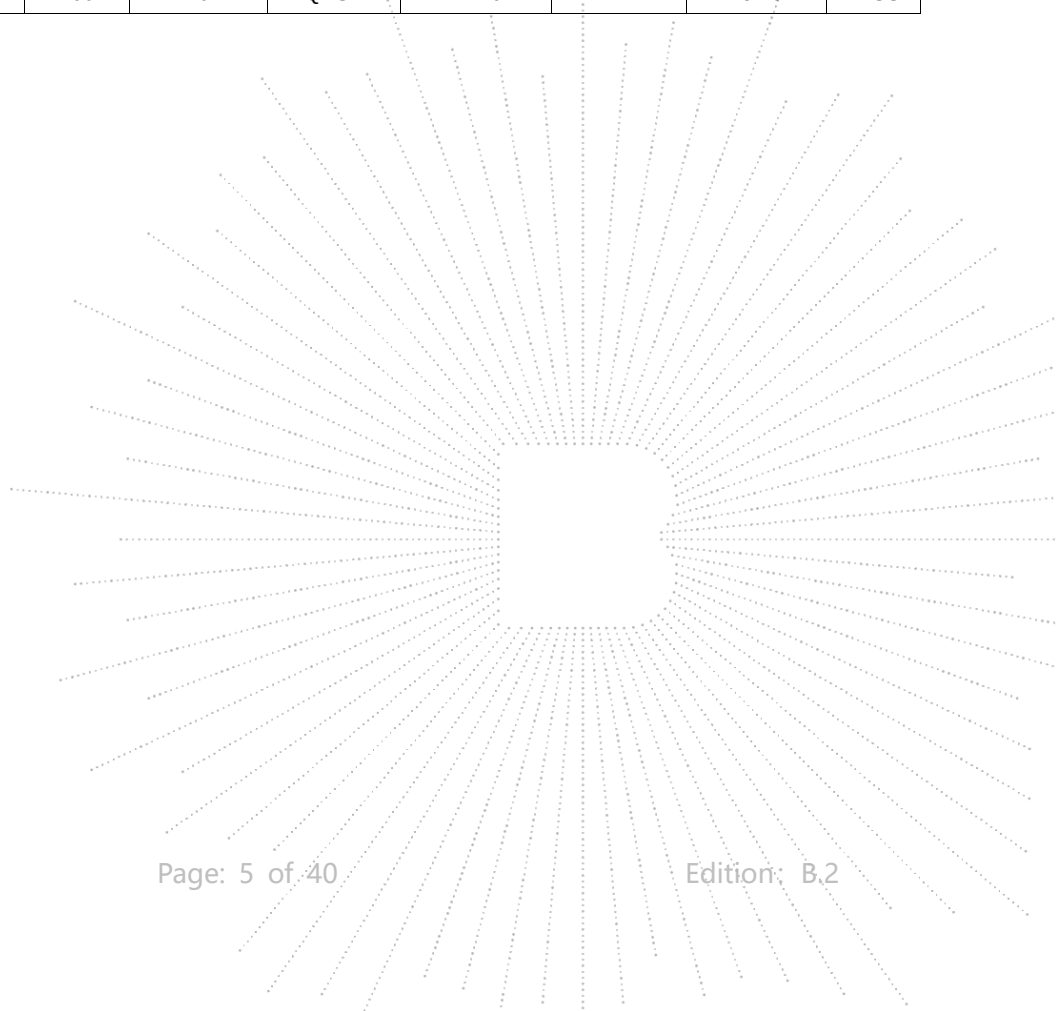


Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band7	5	20775	1	#0	QPSK	23.94	1	24.94	PASS
Band7	5	20775	1	#Mid	QPSK	23.42	1	24.42	PASS
Band7	5	20775	1	#Max	QPSK	23.32	1	24.32	PASS
Band7	5	20775	12	#0	QPSK	22.11	1	23.11	PASS
Band7	5	20775	12	#Mid	QPSK	22.07	1	23.07	PASS
Band7	5	20775	12	#Max	QPSK	21.86	1	22.86	PASS
Band7	5	20775	25	#0	QPSK	22.00	1	23.00	PASS
Band7	5	20775	1	#0	16QAM	22.93	1	23.93	PASS
Band7	5	20775	1	#Mid	16QAM	22.51	1	23.51	PASS
Band7	5	20775	1	#Max	16QAM	22.47	1	23.47	PASS
Band7	5	20775	12	#0	16QAM	20.91	1	21.91	PASS
Band7	5	20775	12	#Mid	16QAM	20.87	1	21.87	PASS
Band7	5	20775	12	#Max	16QAM	20.62	1	21.62	PASS
Band7	5	20775	25	#0	16QAM	20.70	1	21.70	PASS
Band7	5	21100	1	#0	QPSK	22.42	1	23.42	PASS
Band7	5	21100	1	#Mid	QPSK	22.48	1	23.48	PASS
Band7	5	21100	1	#Max	QPSK	23.18	1	24.18	PASS
Band7	5	21100	12	#0	QPSK	21.07	1	22.07	PASS
Band7	5	21100	12	#Mid	QPSK	21.24	1	22.24	PASS
Band7	5	21100	12	#Max	QPSK	21.51	1	22.51	PASS
Band7	5	21100	25	#0	QPSK	21.20	1	22.20	PASS
Band7	5	21100	1	#0	16QAM	21.46	1	22.46	PASS
Band7	5	21100	1	#Mid	16QAM	21.53	1	22.53	PASS
Band7	5	21100	1	#Max	16QAM	22.20	1	23.20	PASS
Band7	5	21100	12	#0	16QAM	20.08	1	21.08	PASS
Band7	5	21100	12	#Mid	16QAM	20.26	1	21.26	PASS
Band7	5	21100	12	#Max	16QAM	20.45	1	21.45	PASS
Band7	5	21100	25	#0	16QAM	20.27	1	21.27	PASS
Band7	5	21425	1	#0	QPSK	23.13	1	24.13	PASS
Band7	5	21425	1	#Mid	QPSK	23.06	1	24.06	PASS
Band7	5	21425	1	#Max	QPSK	23.09	1	24.09	PASS
Band7	5	21425	12	#0	QPSK	21.65	1	22.65	PASS
Band7	5	21425	12	#Mid	QPSK	21.83	1	22.83	PASS
Band7	5	21425	12	#Max	QPSK	21.79	1	22.79	PASS
Band7	5	21425	25	#0	QPSK	21.75	1	22.75	PASS
Band7	5	21425	1	#0	16QAM	22.10	1	23.10	PASS
Band7	5	21425	1	#Mid	16QAM	22.06	1	23.06	PASS
Band7	5	21425	1	#Max	16QAM	22.13	1	23.13	PASS

Band7	5	21425	12	#0	16QAM	20.49	1	21.49	PASS
Band7	5	21425	12	#Mid	16QAM	20.64	1	21.64	PASS
Band7	5	21425	12	#Max	16QAM	20.62	1	21.62	PASS
Band7	5	21425	25	#0	16QAM	20.52	1	21.52	PASS
Band7	10	20800	1	#0	QPSK	24.12	1	25.12	PASS
Band7	10	20800	1	#Mid	QPSK	22.99	1	23.99	PASS
Band7	10	20800	1	#Max	QPSK	22.78	1	23.78	PASS
Band7	10	20800	25	#0	QPSK	21.82	1	22.82	PASS
Band7	10	20800	25	#Mid	QPSK	21.62	1	22.62	PASS
Band7	10	20800	25	#Max	QPSK	21.23	1	22.23	PASS
Band7	10	20800	50	#0	QPSK	21.51	1	22.51	PASS
Band7	10	21100	1	#0	QPSK	22.28	1	23.28	PASS
Band7	10	21100	1	#Mid	QPSK	22.44	1	23.44	PASS
Band7	10	21100	1	#Max	QPSK	23.85	1	24.85	PASS
Band7	10	21100	25	#0	QPSK	20.84	1	21.84	PASS
Band7	10	21100	25	#Mid	QPSK	21.13	1	22.13	PASS
Band7	10	21100	25	#Max	QPSK	21.59	1	22.59	PASS
Band7	10	21100	50	#0	QPSK	21.03	1	22.03	PASS
Band7	10	21400	1	#0	QPSK	22.88	1	23.88	PASS
Band7	10	21400	1	#Mid	QPSK	22.88	1	23.88	PASS
Band7	10	21400	1	#Max	QPSK	23.44	1	24.44	PASS
Band7	10	21400	25	#0	QPSK	21.16	1	22.16	PASS
Band7	10	21400	25	#Mid	QPSK	21.46	1	22.46	PASS
Band7	10	21400	25	#Max	QPSK	21.58	1	22.58	PASS
Band7	10	21400	50	#0	QPSK	21.35	1	22.35	PASS
Band7	15	20825	1	#0	QPSK	23.09	1	24.09	PASS
Band7	15	20825	1	#Mid	QPSK	22.29	1	23.29	PASS
Band7	15	20825	1	#Max	QPSK	21.93	1	22.93	PASS
Band7	15	20825	36	#0	QPSK	21.51	1	22.51	PASS
Band7	15	20825	36	#Mid	QPSK	21.23	1	22.23	PASS
Band7	15	20825	36	#Max	QPSK	20.88	1	21.88	PASS
Band7	15	20825	75	#0	QPSK	22.63	1	23.63	PASS
Band7	15	21100	1	#0	QPSK	21.96	1	22.96	PASS
Band7	15	21100	1	#Mid	QPSK	22.32	1	23.32	PASS
Band7	15	21100	1	#Max	QPSK	23.47	1	24.47	PASS
Band7	15	21100	36	#0	QPSK	20.88	1	21.88	PASS
Band7	15	21100	36	#Mid	QPSK	21.29	1	22.29	PASS
Band7	15	21100	36	#Max	QPSK	21.94	1	22.94	PASS
Band7	15	21100	75	#0	QPSK	22.90	1	23.90	PASS
Band7	15	21375	1	#0	QPSK	22.95	1	23.95	PASS
Band7	15	21375	1	#Mid	QPSK	22.20	1	23.20	PASS
Band7	15	21375	1	#Max	QPSK	22.79	1	23.79	PASS
Band7	15	21375	36	#0	QPSK	21.14	1	22.14	PASS

Band7	15	21375	36	#Mid	QPSK	21.28	1	22.28	PASS
Band7	15	21375	36	#Max	QPSK	21.48	1	22.48	PASS
Band7	15	21375	75	#0	QPSK	22.39	1	23.39	PASS
Band7	20	20850	1	#0	QPSK	23.13	1	24.13	PASS
Band7	20	20850	1	#Mid	QPSK	22.14	1	23.14	PASS
Band7	20	20850	1	#Max	QPSK	21.85	1	22.85	PASS
Band7	20	20850	50	#0	QPSK	21.41	1	22.41	PASS
Band7	20	20850	50	#Mid	QPSK	21.14	1	22.14	PASS
Band7	20	20850	50	#Max	QPSK	20.89	1	21.89	PASS
Band7	20	20850	100	#0	QPSK	21.60	1	22.60	PASS
Band7	20	21100	1	#0	QPSK	21.87	1	22.87	PASS
Band7	20	21100	1	#Mid	QPSK	22.38	1	23.38	PASS
Band7	20	21100	1	#Max	QPSK	23.71	1	24.71	PASS
Band7	20	21100	50	#0	QPSK	20.77	1	21.77	PASS
Band7	20	21100	50	#Mid	QPSK	21.28	1	22.28	PASS
Band7	20	21100	50	#Max	QPSK	22.06	1	23.06	PASS
Band7	20	21100	100	#0	QPSK	22.98	1	23.98	PASS
Band7	20	21350	1	#0	QPSK	23.86	1	24.86	PASS
Band7	20	21350	1	#Mid	QPSK	22.15	1	23.15	PASS
Band7	20	21350	1	#Max	QPSK	22.80	1	23.80	PASS
Band7	20	21350	50	#0	QPSK	21.67	1	22.67	PASS
Band7	20	21350	50	#Mid	QPSK	21.13	1	22.13	PASS
Band7	20	21350	50	#Max	QPSK	21.24	1	22.24	PASS
Band7	20	21350	100	#0	QPSK	22.40	1	23.40	PASS



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band7	5	20775	25	#0	QPSK	LV	NT	-9.66	-0.004	PASS
Band7	5	20775	25	#0	QPSK	NV	NT	-7.62	-0.003	PASS
Band7	5	20775	25	#0	QPSK	HV	NT	9.44	0.004	PASS
Band7	5	20775	25	#0	16QAM	LV	NT	12.13	0.005	PASS
Band7	5	20775	25	#0	16QAM	NV	NT	-8.31	-0.003	PASS
Band7	5	20775	25	#0	16QAM	HV	NT	9.70	0.004	PASS
Band7	5	21100	25	#0	QPSK	LV	NT	1.43	0.001	PASS
Band7	5	21100	25	#0	QPSK	NV	NT	-3.93	-0.002	PASS
Band7	5	21100	25	#0	QPSK	HV	NT	-0.04	0.000	PASS
Band7	5	21100	25	#0	16QAM	LV	NT	-7.77	-0.003	PASS
Band7	5	21100	25	#0	16QAM	NV	NT	8.30	0.003	PASS
Band7	5	21100	25	#0	16QAM	HV	NT	-3.68	-0.001	PASS
Band7	5	21425	25	#0	QPSK	LV	NT	0.41	0.000	PASS
Band7	5	21425	25	#0	QPSK	NV	NT	0.96	0.000	PASS
Band7	5	21425	25	#0	QPSK	HV	NT	5.82	0.002	PASS
Band7	5	21425	25	#0	16QAM	LV	NT	-1.69	-0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	NT	-1.19	0.000	PASS
Band7	5	21425	25	#0	16QAM	HV	NT	-0.09	0.000	PASS
Band7	10	20800	50	#0	QPSK	LV	NT	-16.79	-0.007	PASS
Band7	10	20800	50	#0	QPSK	NV	NT	-2.22	-0.001	PASS
Band7	10	20800	50	#0	QPSK	HV	NT	6.55	0.003	PASS
Band7	10	21100	50	#0	QPSK	LV	NT	9.94	0.004	PASS
Band7	10	21100	50	#0	QPSK	NV	NT	-6.94	-0.003	PASS
Band7	10	21100	50	#0	QPSK	HV	NT	2.88	0.001	PASS
Band7	10	21400	50	#0	QPSK	LV	NT	15.02	0.006	PASS
Band7	10	21400	50	#0	QPSK	NV	NT	-0.41	0.000	PASS
Band7	10	21400	50	#0	QPSK	HV	NT	0.76	0.000	PASS
Band7	15	20825	75	#0	QPSK	LV	NT	-17.90	-0.007	PASS
Band7	15	20825	75	#0	QPSK	NV	NT	-7.44	-0.003	PASS
Band7	15	20825	75	#0	QPSK	HV	NT	-20.18	-0.008	PASS
Band7	15	21100	75	#0	QPSK	LV	NT	-6.15	-0.002	PASS
Band7	15	21100	75	#0	QPSK	NV	NT	-15.62	-0.006	PASS
Band7	15	21100	75	#0	QPSK	HV	NT	-13.99	-0.006	PASS
Band7	15	21375	75	#0	QPSK	LV	NT	-6.90	-0.003	PASS
Band7	15	21375	75	#0	QPSK	NV	NT	-15.69	-0.006	PASS
Band7	15	21375	75	#0	QPSK	HV	NT	-15.74	-0.006	PASS
Band7	20	20850	100	#0	QPSK	LV	NT	-16.48	-0.007	PASS
Band7	20	20850	100	#0	QPSK	NV	NT	-12.69	-0.005	PASS

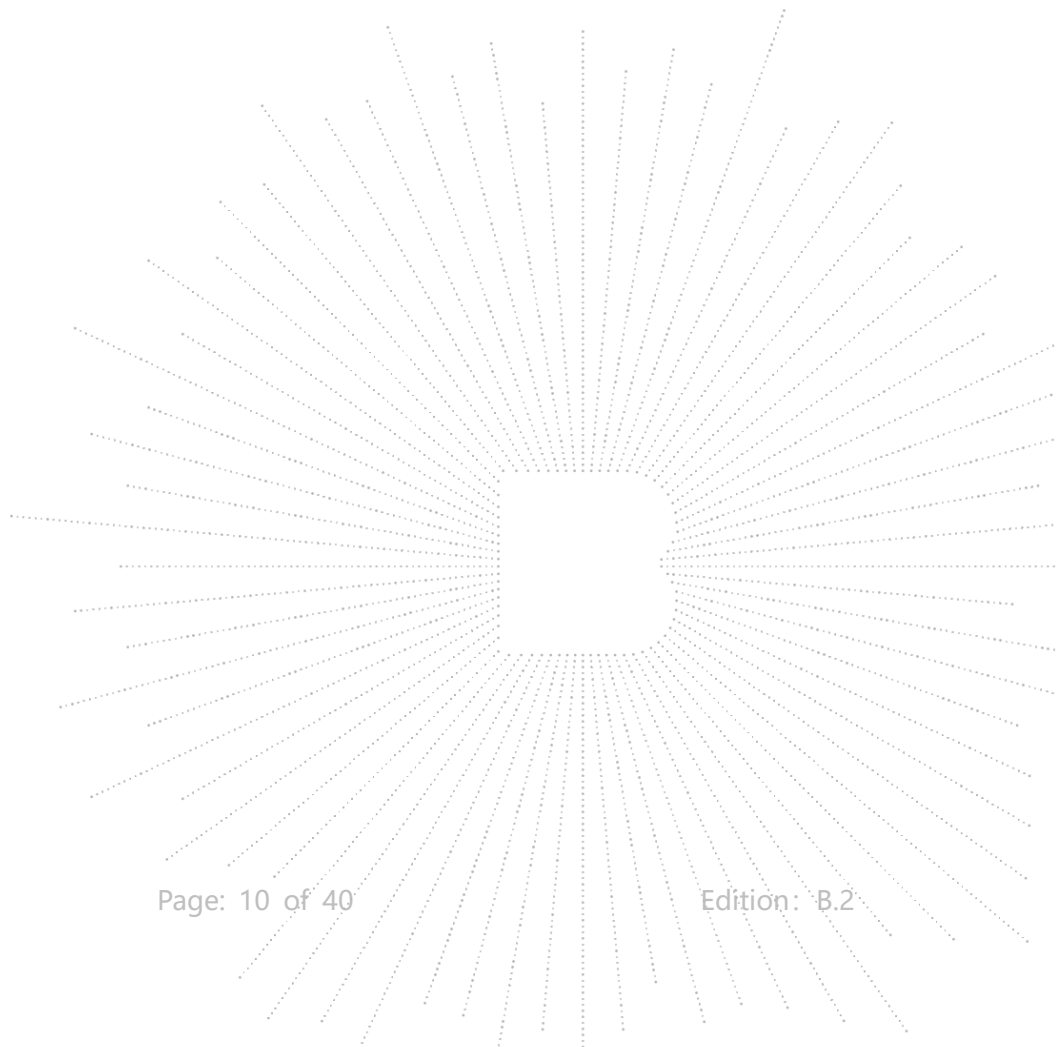
Band7	20	20850	100	#0	QPSK	HV	NT	-20.86	-0.008	PASS
Band7	20	21100	100	#0	QPSK	LV	NT	-9.58	-0.004	PASS
Band7	20	21100	100	#0	QPSK	NV	NT	-12.82	-0.005	PASS
Band7	20	21100	100	#0	QPSK	HV	NT	-14.46	-0.006	PASS
Band7	20	21350	100	#0	QPSK	LV	NT	-5.62	-0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	NT	-11.37	-0.004	PASS
Band7	20	21350	100	#0	QPSK	HV	NT	-15.22	-0.006	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band7	5	20775	25	#0	QPSK	NV	-30	-18.02	-0.007	PASS
Band7	5	20775	25	#0	QPSK	NV	-20	11.56	0.005	PASS
Band7	5	20775	25	#0	QPSK	NV	-10	-7.08	-0.003	PASS
Band7	5	20775	25	#0	QPSK	NV	0	-2.39	-0.001	PASS
Band7	5	20775	25	#0	QPSK	NV	10	-1.36	-0.001	PASS
Band7	5	20775	25	#0	QPSK	NV	20	-1.27	-0.001	PASS
Band7	5	20775	25	#0	QPSK	NV	30	-8.91	-0.004	PASS
Band7	5	20775	25	#0	QPSK	NV	40	-18.68	-0.007	PASS
Band7	5	20775	25	#0	QPSK	NV	50	0.74	0.000	PASS
Band7	5	20775	25	#0	16QAM	NV	-30	-7.67	-0.003	PASS
Band7	5	20775	25	#0	16QAM	NV	-20	-13.25	-0.005	PASS
Band7	5	20775	25	#0	16QAM	NV	-10	-17.52	-0.007	PASS
Band7	5	20775	25	#0	16QAM	NV	0	-12.72	-0.005	PASS
Band7	5	20775	25	#0	16QAM	NV	10	-7.31	-0.003	PASS
Band7	5	20775	25	#0	16QAM	NV	20	-5.04	-0.002	PASS
Band7	5	20775	25	#0	16QAM	NV	30	-19.20	-0.008	PASS
Band7	5	20775	25	#0	16QAM	NV	40	-1.95	-0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	50	-14.69	-0.006	PASS
Band7	5	21100	25	#0	QPSK	NV	-30	-2.20	-0.001	PASS
Band7	5	21100	25	#0	QPSK	NV	-20	-12.12	-0.005	PASS
Band7	5	21100	25	#0	QPSK	NV	-10	-8.65	-0.003	PASS
Band7	5	21100	25	#0	QPSK	NV	0	-10.31	-0.004	PASS
Band7	5	21100	25	#0	QPSK	NV	10	-4.26	-0.002	PASS
Band7	5	21100	25	#0	QPSK	NV	20	-13.65	-0.005	PASS
Band7	5	21100	25	#0	QPSK	NV	30	-3.58	-0.001	PASS
Band7	5	21100	25	#0	QPSK	NV	40	-5.52	-0.002	PASS
Band7	5	21100	25	#0	QPSK	NV	50	-3.66	-0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	-30	-11.84	-0.005	PASS
Band7	5	21100	25	#0	16QAM	NV	-20	-5.51	-0.002	PASS
Band7	5	21100	25	#0	16QAM	NV	-10	-9.16	-0.004	PASS
Band7	5	21100	25	#0	16QAM	NV	0	9.91	0.004	PASS
Band7	5	21100	25	#0	16QAM	NV	10	-0.03	0.000	PASS
Band7	5	21100	25	#0	16QAM	NV	20	-2.56	-0.001	PASS

Band7	5	21100	25	#0	16QAM	NV	30	-12.19	-0.005	PASS
Band7	5	21100	25	#0	16QAM	NV	40	-8.24	-0.003	PASS
Band7	5	21100	25	#0	16QAM	NV	50	-7.57	-0.003	PASS
Band7	5	21425	25	#0	QPSK	NV	-30	-20.21	-0.008	PASS
Band7	5	21425	25	#0	QPSK	NV	-20	-9.06	-0.004	PASS
Band7	5	21425	25	#0	QPSK	NV	-10	-19.86	-0.008	PASS
Band7	5	21425	25	#0	QPSK	NV	0	-4.53	-0.002	PASS
Band7	5	21425	25	#0	QPSK	NV	10	-10.00	-0.004	PASS
Band7	5	21425	25	#0	QPSK	NV	20	3.46	0.001	PASS
Band7	5	21425	25	#0	QPSK	NV	30	-13.70	-0.005	PASS
Band7	5	21425	25	#0	QPSK	NV	40	-13.68	-0.005	PASS
Band7	5	21425	25	#0	QPSK	NV	50	-5.15	-0.002	PASS
Band7	5	21425	25	#0	16QAM	NV	-30	-5.41	-0.002	PASS
Band7	5	21425	25	#0	16QAM	NV	-20	-11.79	-0.005	PASS
Band7	5	21425	25	#0	16QAM	NV	-10	2.42	0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	0	-2.90	-0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	10	-5.95	-0.002	PASS
Band7	5	21425	25	#0	16QAM	NV	20	-19.54	-0.008	PASS
Band7	5	21425	25	#0	16QAM	NV	30	-3.82	-0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	40	-4.63	-0.002	PASS
Band7	5	21425	25	#0	16QAM	NV	50	-13.00	-0.005	PASS
Band7	10	20800	50	#0	QPSK	NV	-30	-13.15	-0.005	PASS
Band7	10	20800	50	#0	QPSK	NV	-20	-7.93	-0.003	PASS
Band7	10	20800	50	#0	QPSK	NV	-10	-5.62	-0.002	PASS
Band7	10	20800	50	#0	QPSK	NV	0	-3.32	-0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	10	-11.44	-0.005	PASS
Band7	10	20800	50	#0	QPSK	NV	20	1.23	0.000	PASS
Band7	10	20800	50	#0	QPSK	NV	30	-1.92	-0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	40	-4.35	-0.002	PASS
Band7	10	20800	50	#0	QPSK	NV	50	-4.98	-0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	-30	-13.02	-0.005	PASS
Band7	10	21100	50	#0	QPSK	NV	-20	-0.03	0.000	PASS
Band7	10	21100	50	#0	QPSK	NV	-10	2.47	0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	0	0.44	0.000	PASS
Band7	10	21100	50	#0	QPSK	NV	10	3.95	0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	20	-4.09	-0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	30	0.87	0.000	PASS
Band7	10	21100	50	#0	QPSK	NV	40	-12.22	-0.005	PASS
Band7	10	21100	50	#0	QPSK	NV	50	-8.21	-0.003	PASS
Band7	10	21400	50	#0	QPSK	NV	-30	-9.84	-0.004	PASS
Band7	10	21400	50	#0	QPSK	NV	-20	3.38	0.001	PASS
Band7	10	21400	50	#0	QPSK	NV	-10	-10.96	-0.004	PASS
Band7	10	21400	50	#0	QPSK	NV	0	-11.29	-0.004	PASS

Band7	10	21400	50	#0	QPSK	NV	10	5.85	0.002	PASS
Band7	10	21400	50	#0	QPSK	NV	20	-9.51	-0.004	PASS
Band7	10	21400	50	#0	QPSK	NV	30	-5.06	-0.002	PASS
Band7	10	21400	50	#0	QPSK	NV	40	2.29	0.001	PASS
Band7	10	21400	50	#0	QPSK	NV	50	0.20	0.000	PASS
Band7	15	20825	75	#0	QPSK	NV	-30	-19.08	-0.008	PASS
Band7	15	20825	75	#0	QPSK	NV	-20	-7.82	-0.003	PASS
Band7	15	20825	75	#0	QPSK	NV	-10	-13.75	-0.005	PASS
Band7	15	20825	75	#0	QPSK	NV	0	1.20	0.000	PASS
Band7	15	20825	75	#0	QPSK	NV	10	0.73	0.000	PASS
Band7	15	20825	75	#0	QPSK	NV	20	-4.73	-0.002	PASS
Band7	15	20825	75	#0	QPSK	NV	30	-11.04	-0.004	PASS
Band7	15	20825	75	#0	QPSK	NV	40	-12.80	-0.005	PASS
Band7	15	20825	75	#0	QPSK	NV	50	5.39	0.002	PASS
Band7	15	21100	75	#0	QPSK	NV	-30	-6.65	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	-20	-1.49	-0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	-10	-7.37	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	0	-8.31	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	10	-13.18	-0.005	PASS
Band7	15	21100	75	#0	QPSK	NV	20	-2.13	-0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	30	-0.17	0.000	PASS
Band7	15	21100	75	#0	QPSK	NV	40	-8.80	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	50	2.59	0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	-30	-14.25	-0.006	PASS
Band7	15	21375	75	#0	QPSK	NV	-20	-9.54	-0.004	PASS
Band7	15	21375	75	#0	QPSK	NV	-10	1.46	0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	0	-6.15	-0.002	PASS
Band7	15	21375	75	#0	QPSK	NV	10	-7.77	-0.003	PASS
Band7	15	21375	75	#0	QPSK	NV	20	-15.06	-0.006	PASS
Band7	15	21375	75	#0	QPSK	NV	30	-3.99	-0.002	PASS
Band7	15	21375	75	#0	QPSK	NV	40	-9.87	-0.004	PASS
Band7	15	21375	75	#0	QPSK	NV	50	-11.80	-0.005	PASS
Band7	20	20850	100	#0	QPSK	NV	-30	-10.53	-0.004	PASS
Band7	20	20850	100	#0	QPSK	NV	-20	3.32	0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	-10	-2.46	-0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	0	-5.12	-0.002	PASS
Band7	20	20850	100	#0	QPSK	NV	10	-10.61	-0.004	PASS
Band7	20	20850	100	#0	QPSK	NV	20	-5.85	-0.002	PASS
Band7	20	20850	100	#0	QPSK	NV	30	4.94	0.002	PASS
Band7	20	20850	100	#0	QPSK	NV	40	-8.55	-0.003	PASS
Band7	20	20850	100	#0	QPSK	NV	50	-6.79	-0.003	PASS
Band7	20	21100	100	#0	QPSK	NV	-30	-0.41	0.000	PASS
Band7	20	21100	100	#0	QPSK	NV	-20	-4.85	-0.002	PASS

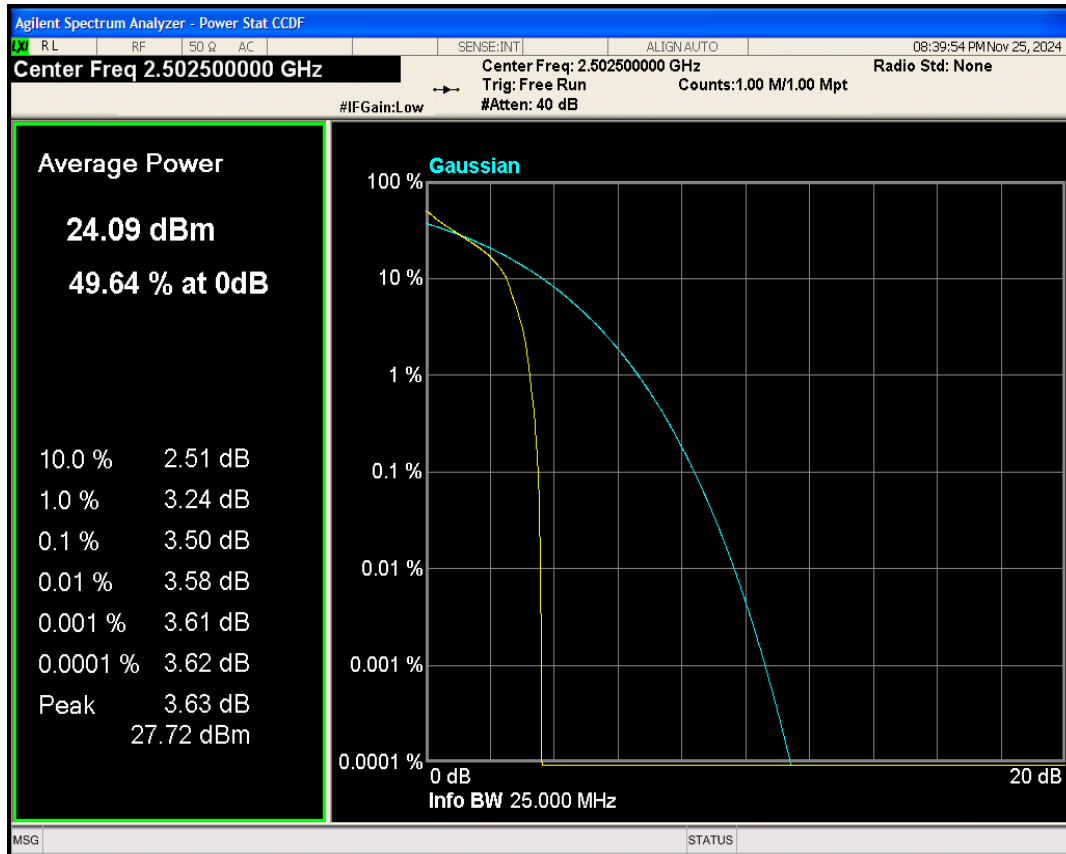
Band7	20	21100	100	#0	QPSK	NV	-10	2.56	0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	0	3.79	0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	10	-10.90	-0.004	PASS
Band7	20	21100	100	#0	QPSK	NV	20	1.63	0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	30	-0.74	0.000	PASS
Band7	20	21100	100	#0	QPSK	NV	40	-1.53	-0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	50	-7.94	-0.003	PASS
Band7	20	21350	100	#0	QPSK	NV	-30	-8.55	-0.003	PASS
Band7	20	21350	100	#0	QPSK	NV	-20	4.68	0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	-10	2.86	0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	0	-1.89	-0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	10	-4.36	-0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	20	-4.61	-0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	30	5.59	0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	40	5.97	0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	50	-2.62	-0.001	PASS



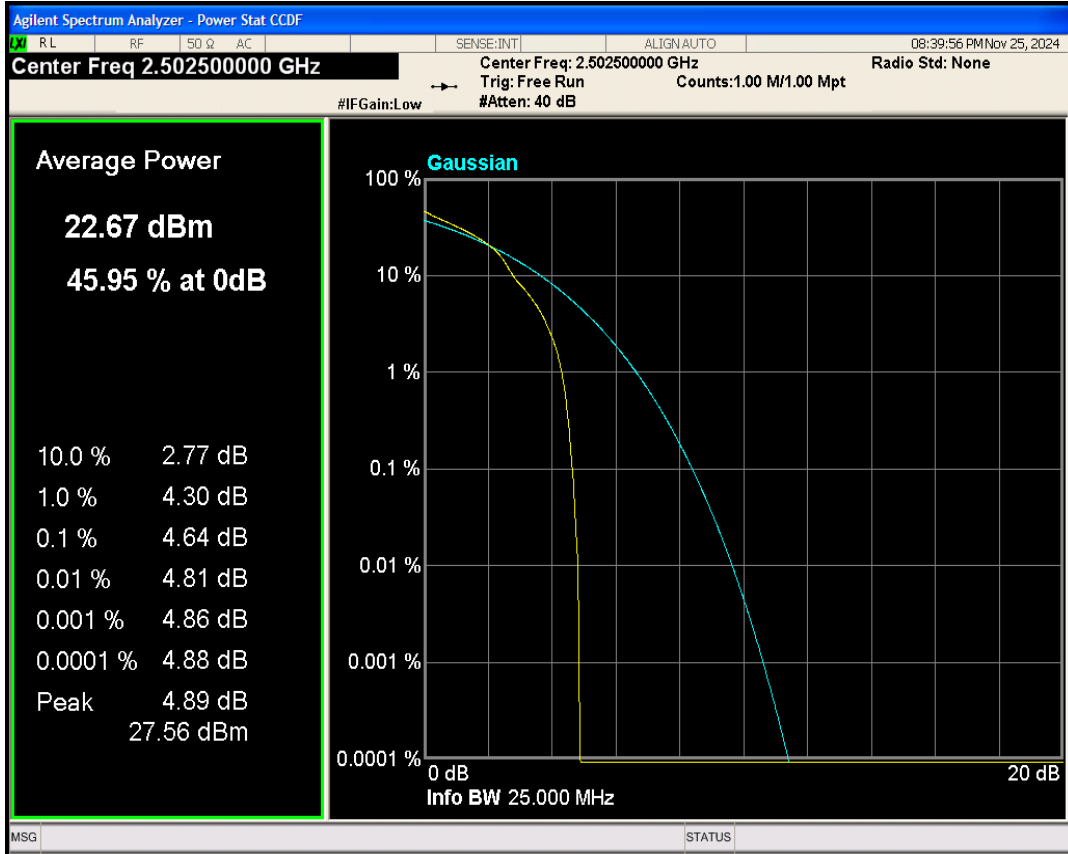
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band7	5	20775	1	#0	QPSK	3.50	13	PASS
Band7	5	20775	1	#0	16QAM	4.64	13	PASS
Band7	5	21100	1	#0	QPSK	5.02	13	PASS
Band7	5	21100	1	#0	16QAM	5.62	13	PASS
Band7	5	21425	1	#0	QPSK	4.04	13	PASS
Band7	5	21425	1	#0	16QAM	4.95	13	PASS
Band7	10	20800	1	#0	QPSK	3.25	13	PASS
Band7	10	21100	1	#0	QPSK	5.46	13	PASS
Band7	10	21400	1	#0	QPSK	4.92	13	PASS
Band7	15	20825	1	#0	QPSK	3.64	13	PASS
Band7	15	21100	1	#0	QPSK	5.65	13	PASS
Band7	15	21375	1	#0	QPSK	4.19	13	PASS
Band7	20	20850	1	#0	QPSK	3.52	13	PASS
Band7	20	21100	1	#0	QPSK	5.55	13	PASS
Band7	20	21350	1	#0	QPSK	3.98	13	PASS

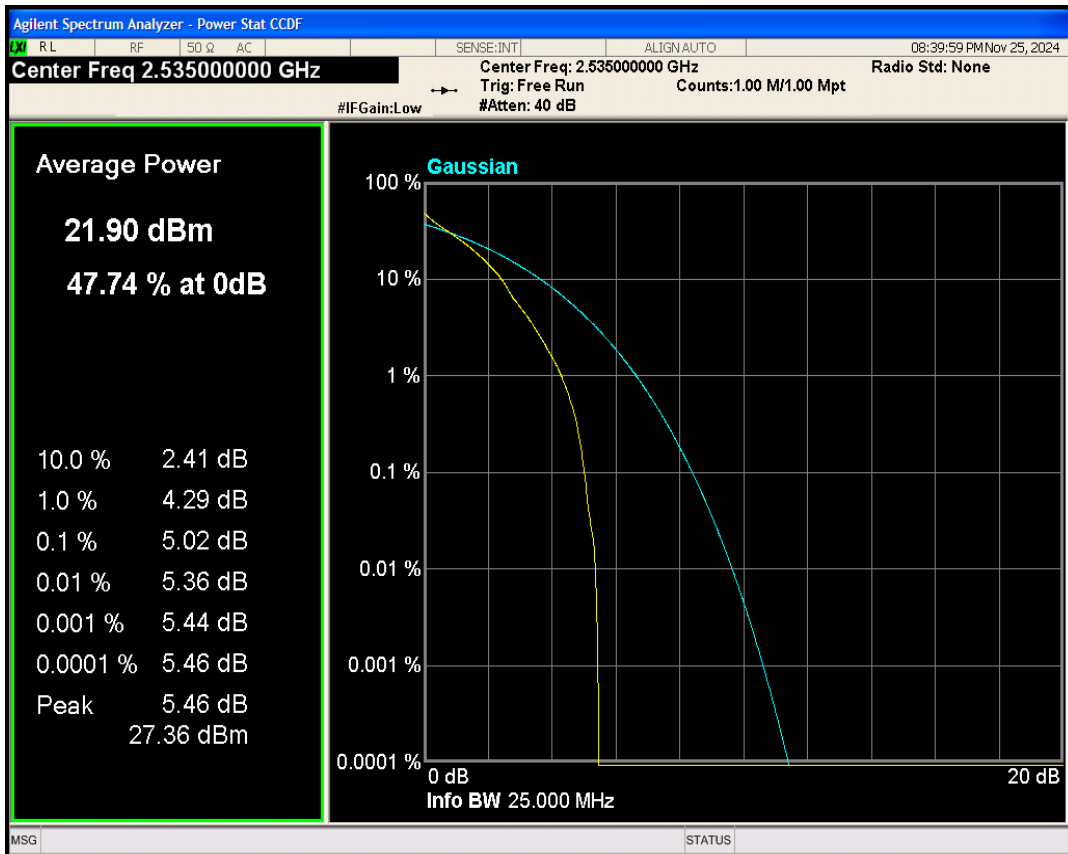
Band7 QPSK BW=5MHz Channel=20775 RB Size=1 Position=#0



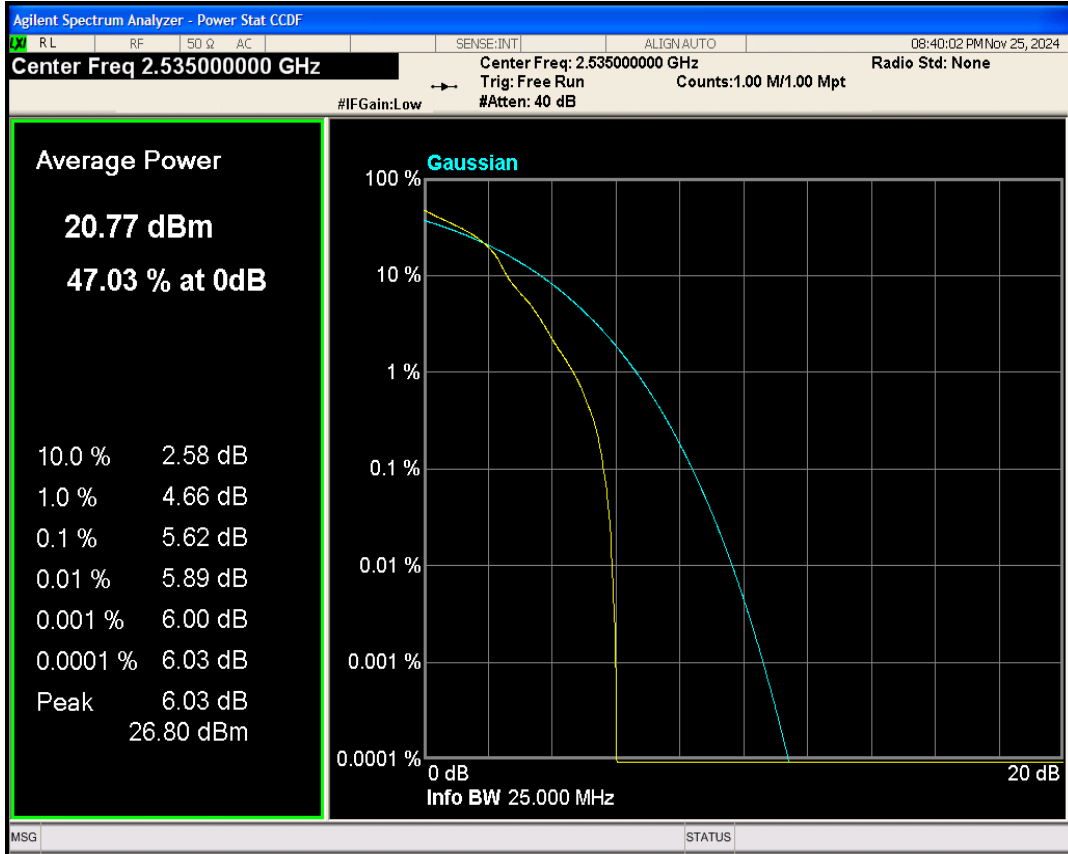
Band7 16QAM BW=5MHz Channel=20775 RB Size=1 Position=#0



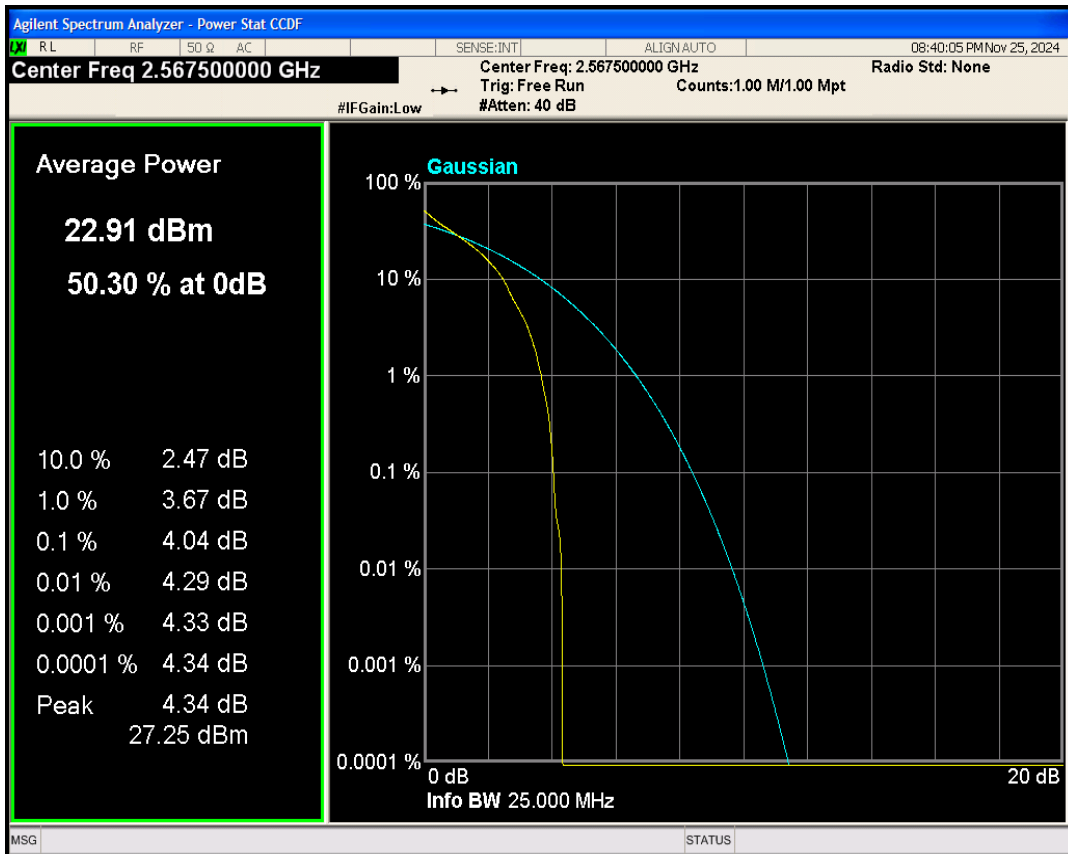
Band7 QPSK BW=5MHz Channel=21100 RB Size=1 Position=#0



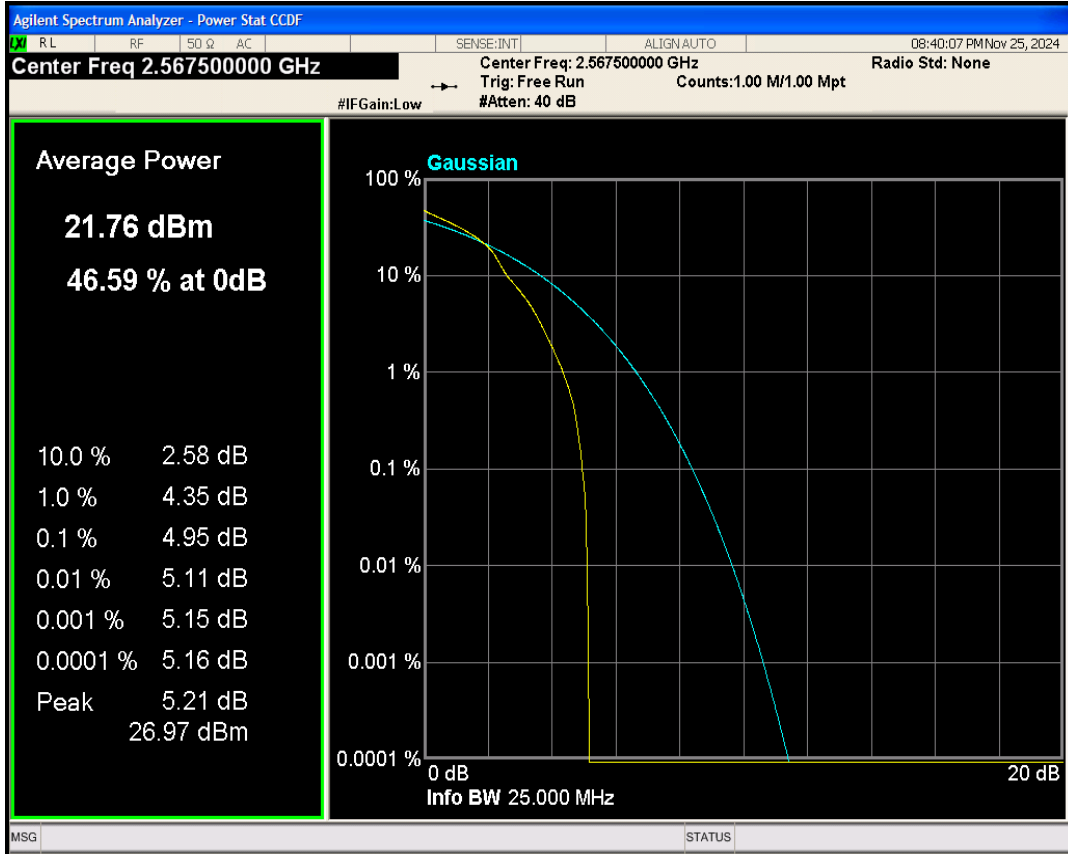
Band7 16QAM BW=5MHz Channel=21100 RB Size=1 Position=#0



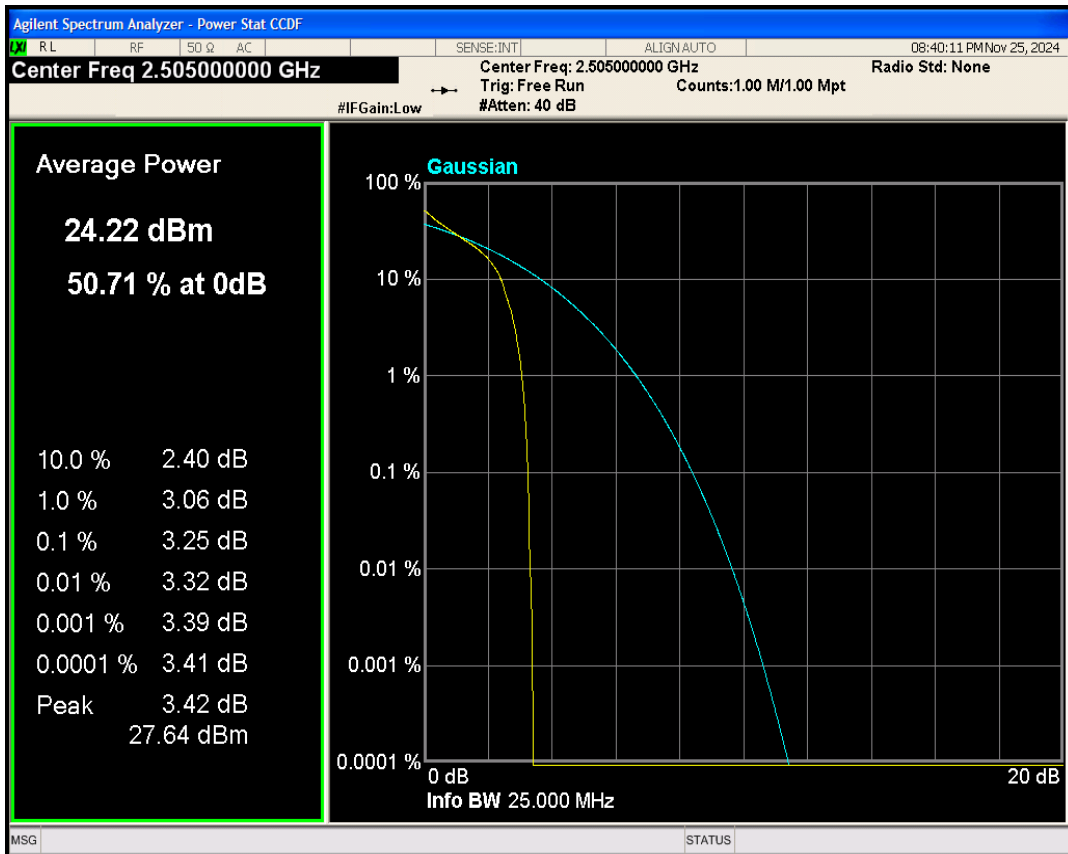
Band7 QPSK BW=5MHz Channel=21425 RB Size=1 Position=#0



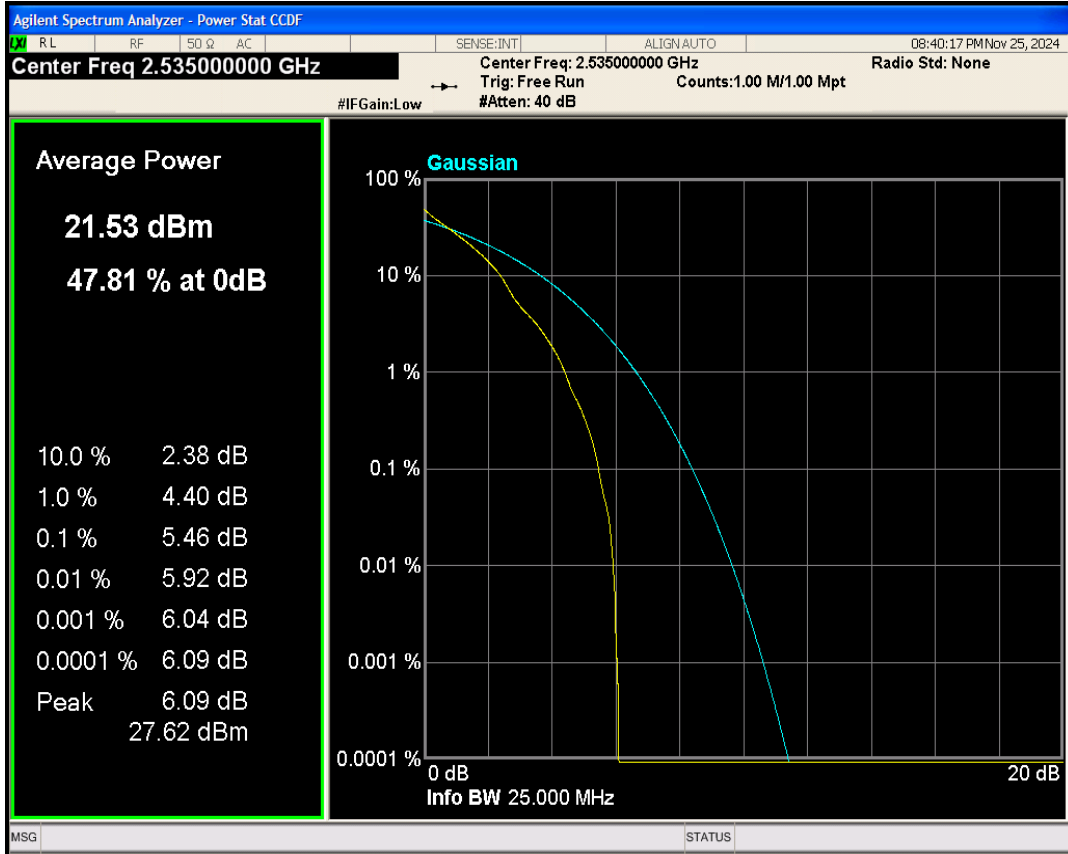
Band7 16QAM BW=5MHz Channel=21425 RB Size=1 Position=#0



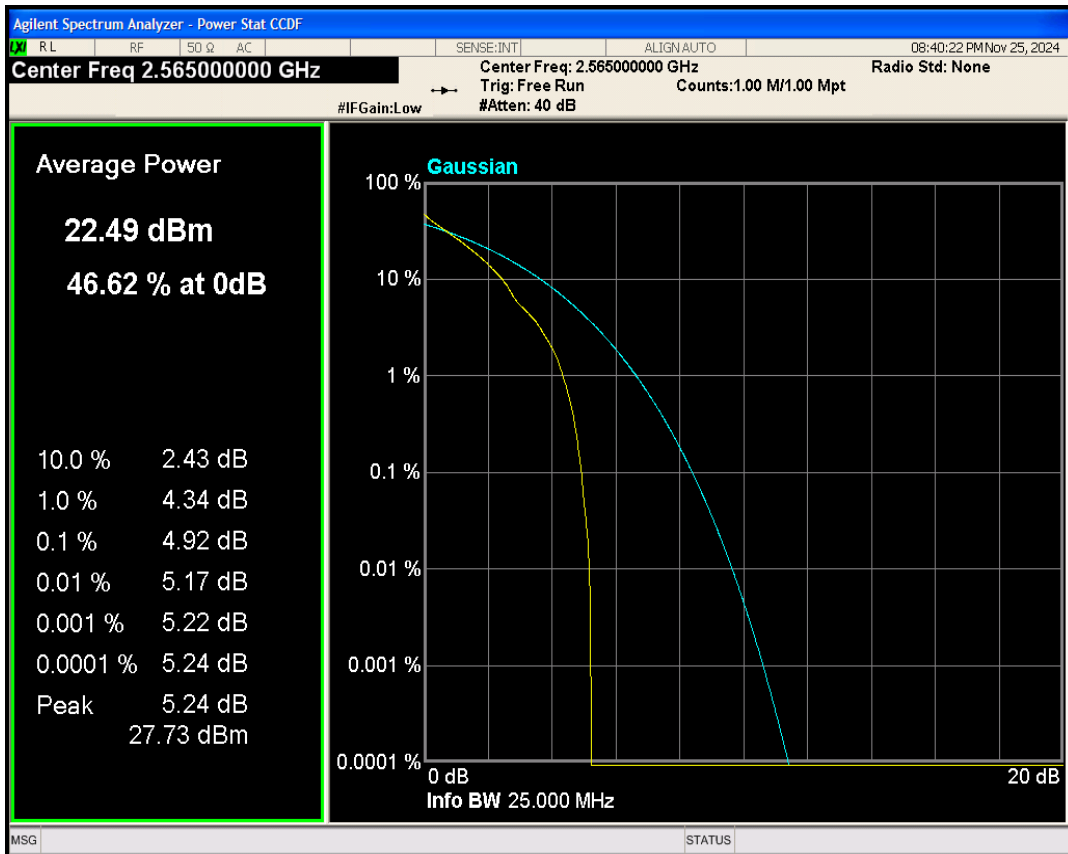
Band7 QPSK BW=10MHz Channel=20800 RB Size=1 Position=#0



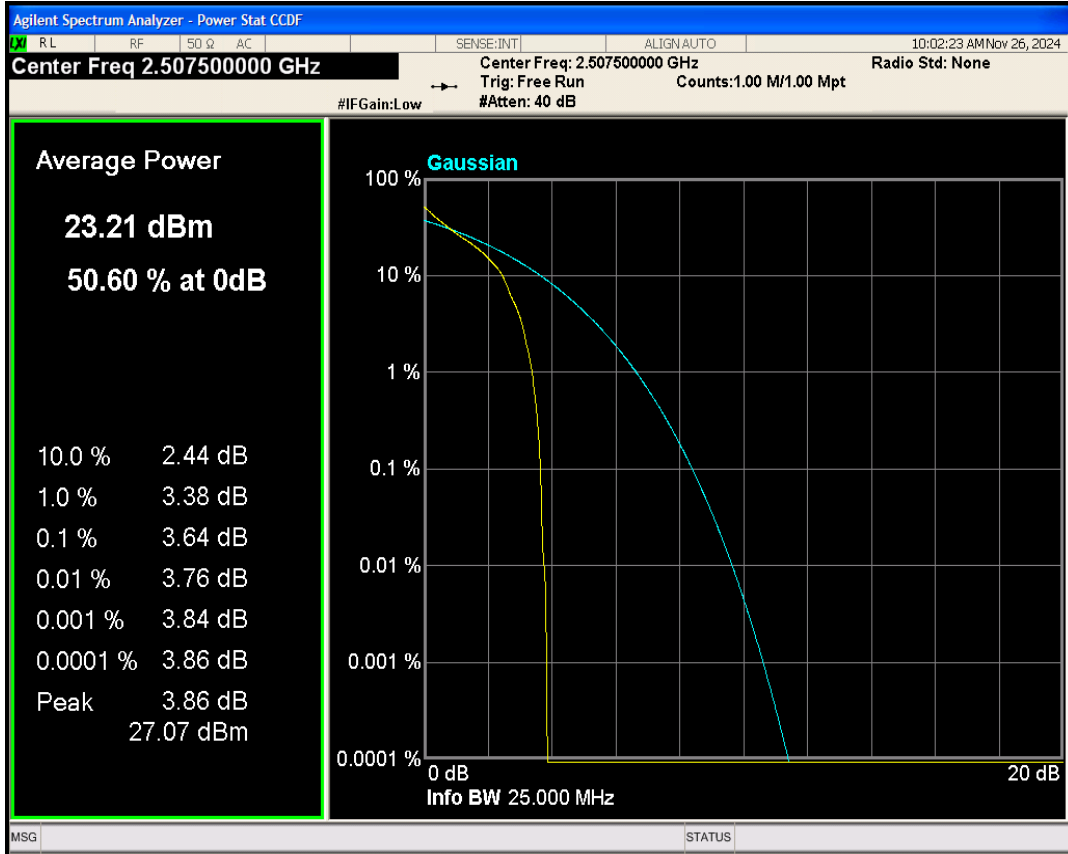
Band7 QPSK BW=10MHz Channel=21100 RB Size=1 Position=#0



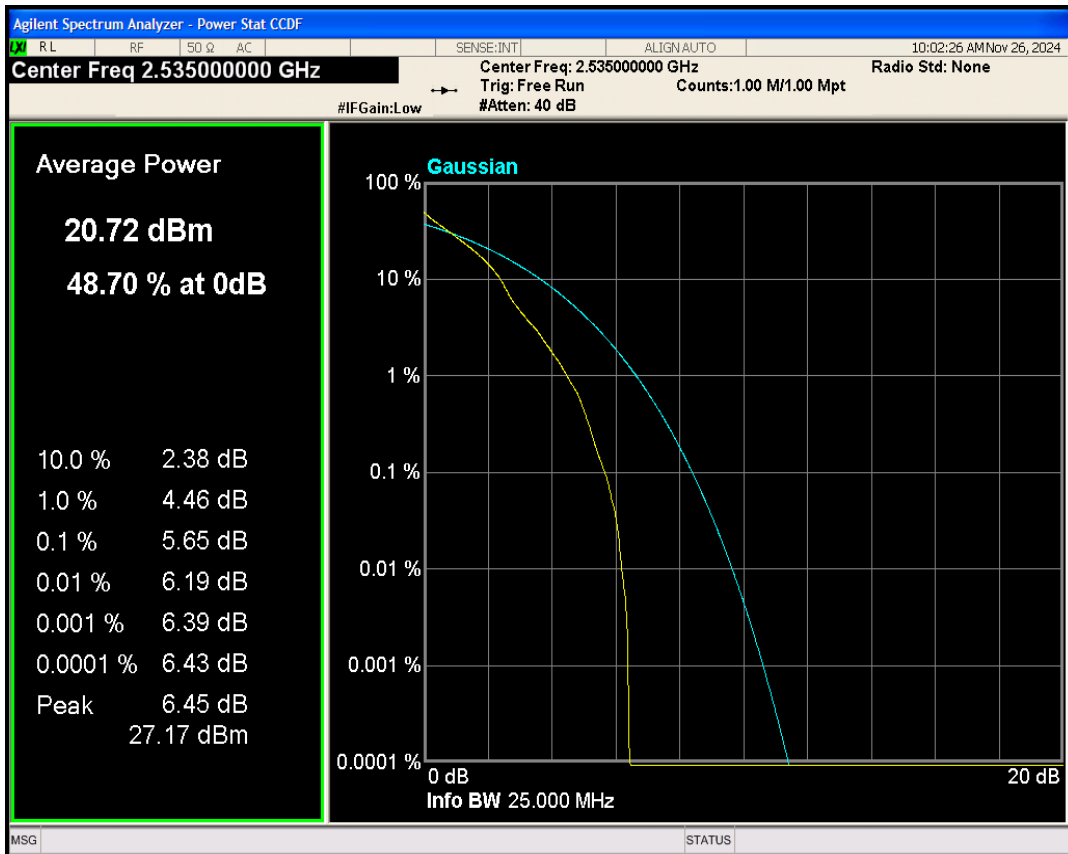
Band7 QPSK BW=10MHz Channel=21400 RB Size=1 Position=#0



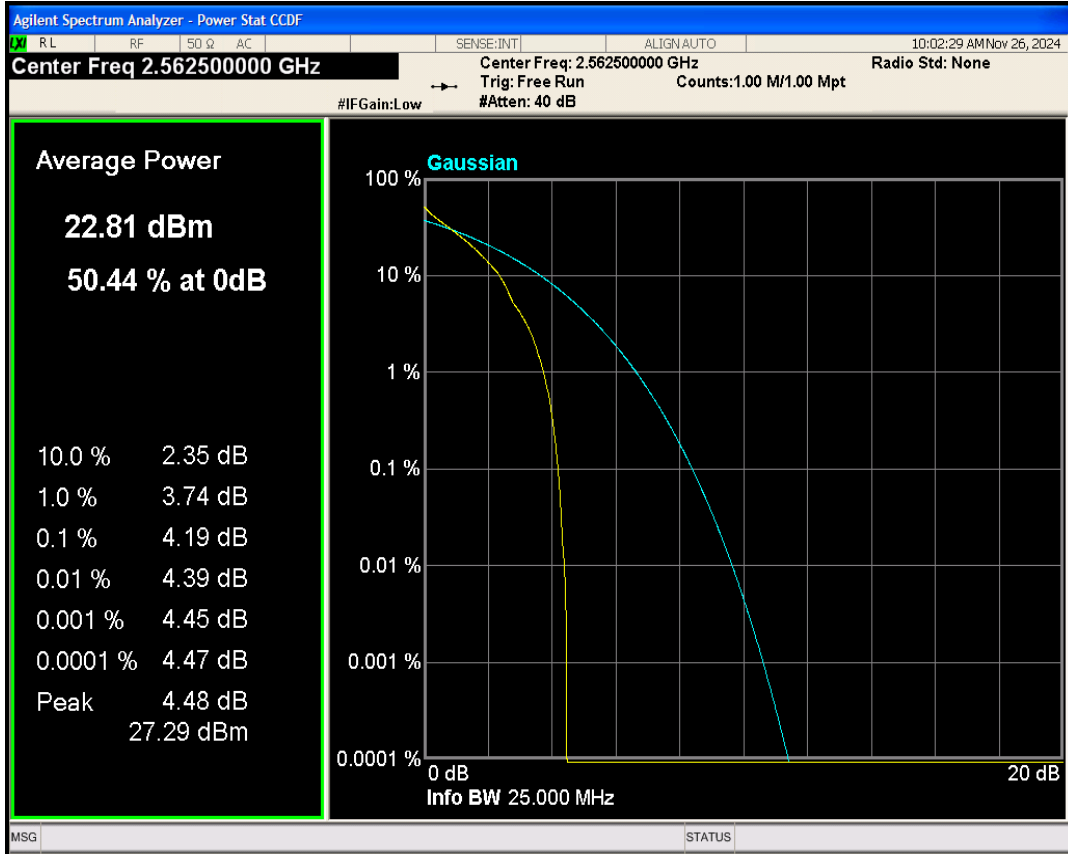
Band7 QPSK BW=15MHz Channel=20825 RB Size=1 Position=#0



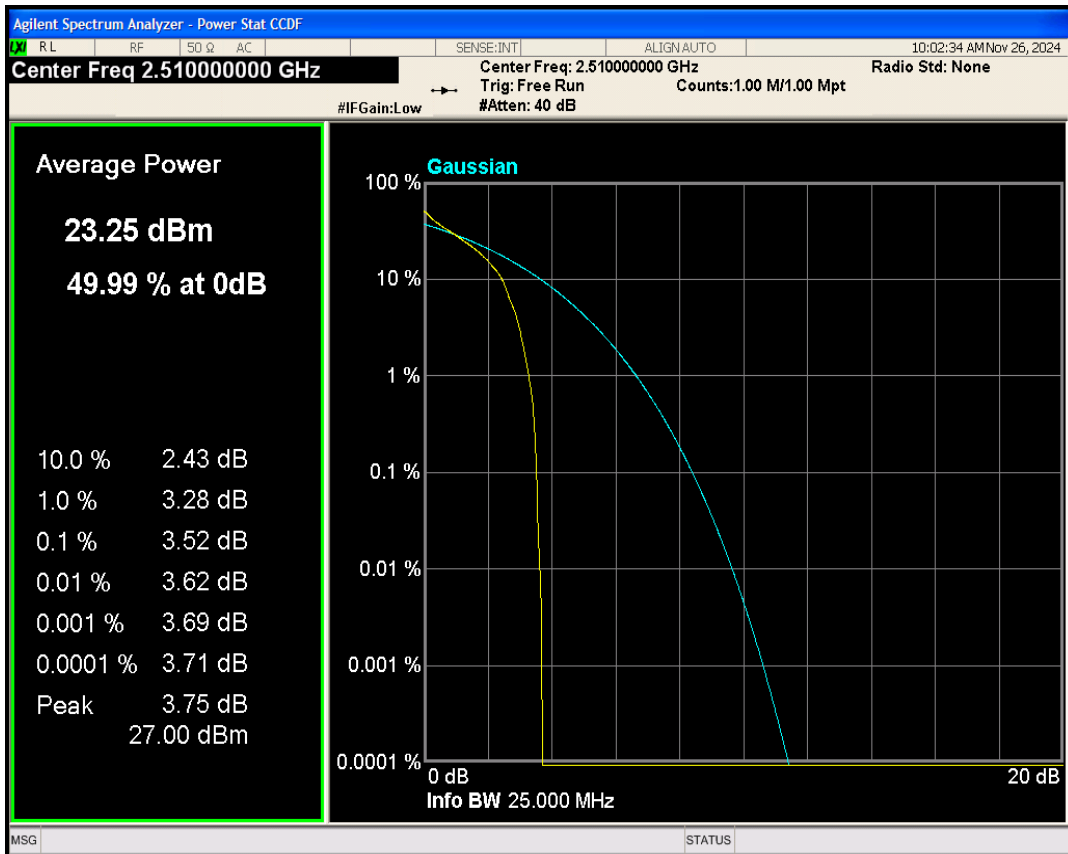
Band7 QPSK BW=15MHz Channel=21100 RB Size=1 Position=#0



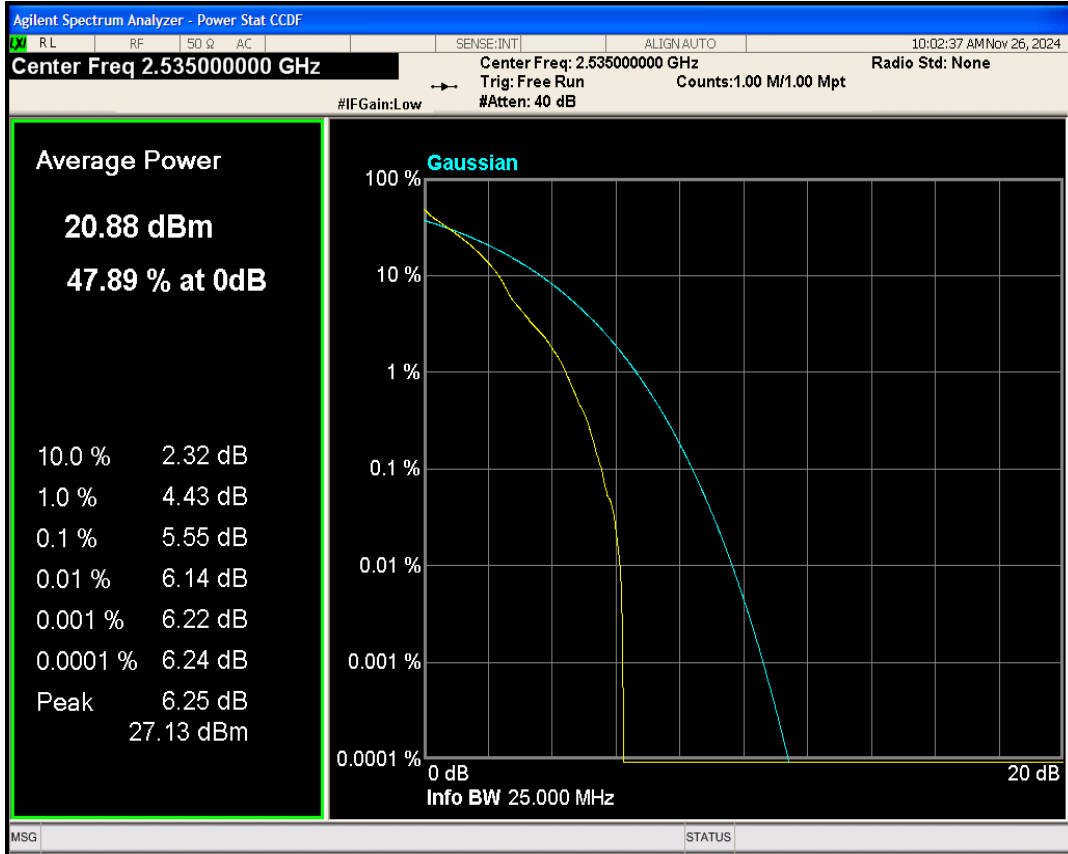
Band7 QPSK BW=15MHz Channel=21375 RB Size=1 Position=#0



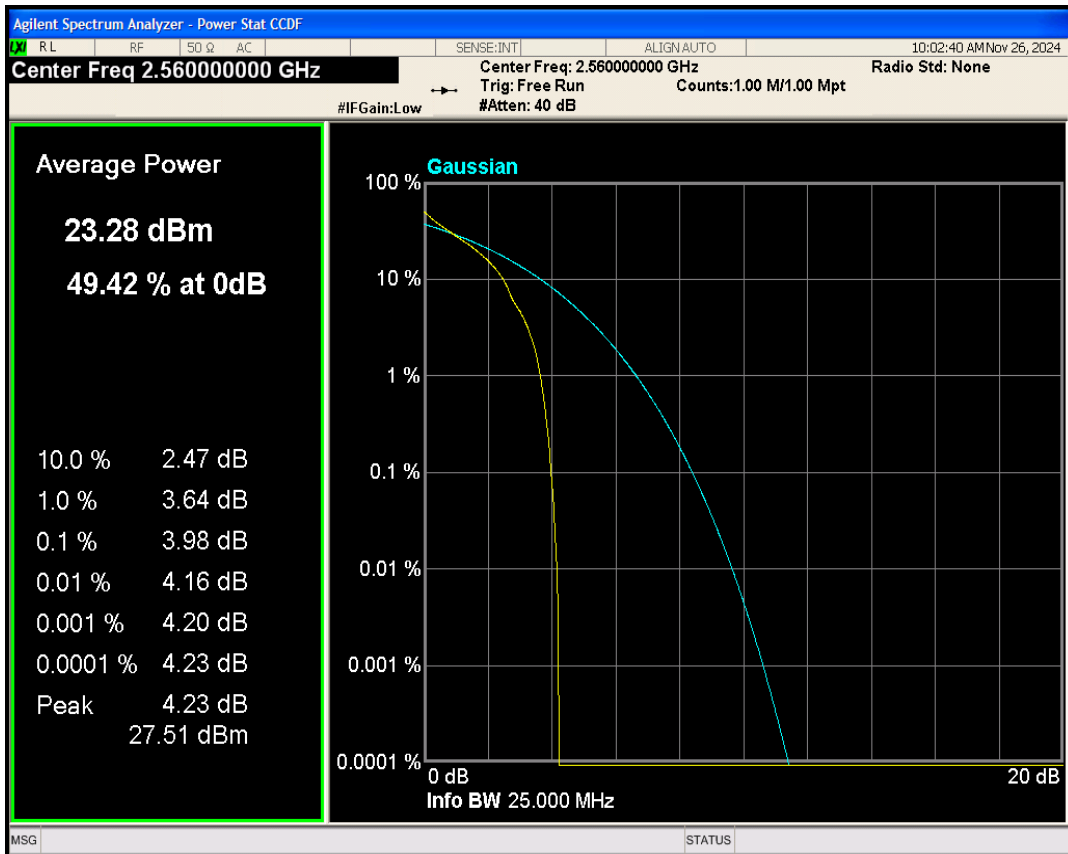
Band7 QPSK BW=20MHz Channel=20850 RB Size=1 Position=#0



Band7 QPSK BW=20MHz Channel=21100 RB Size=1 Position=#0



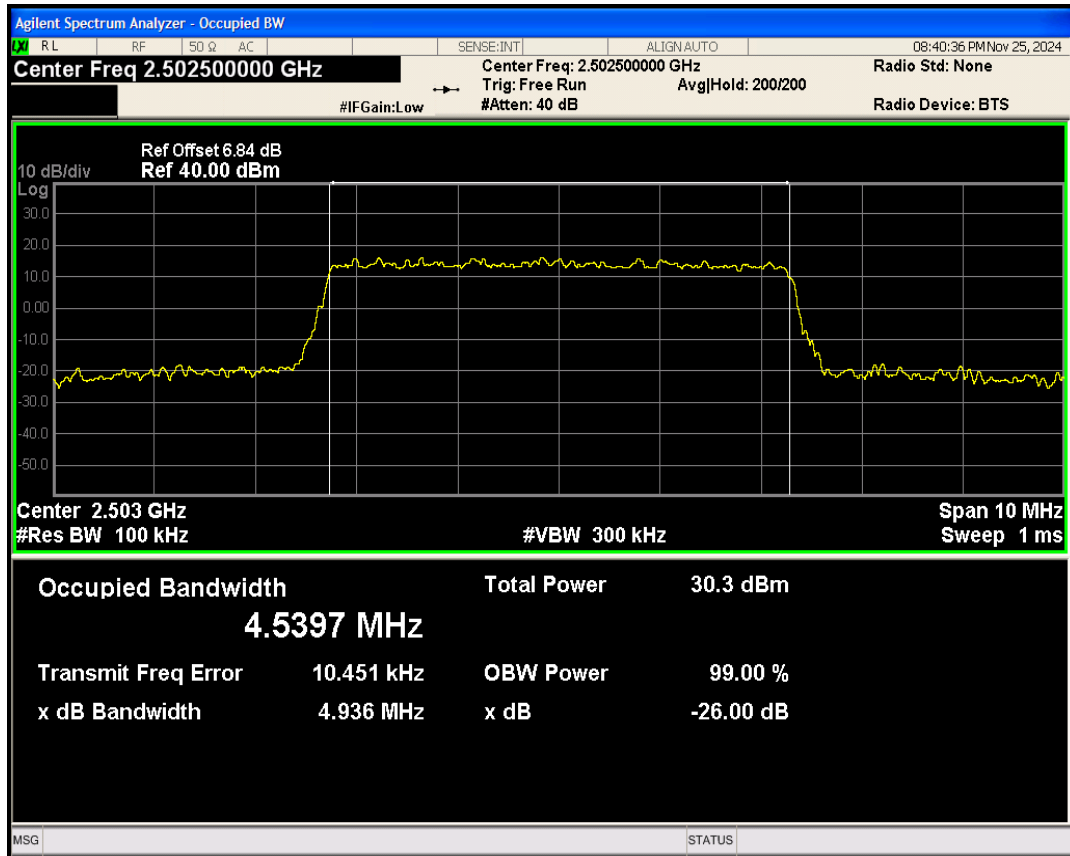
Band7 QPSK BW=20MHz Channel=21350 RB Size=1 Position=#0



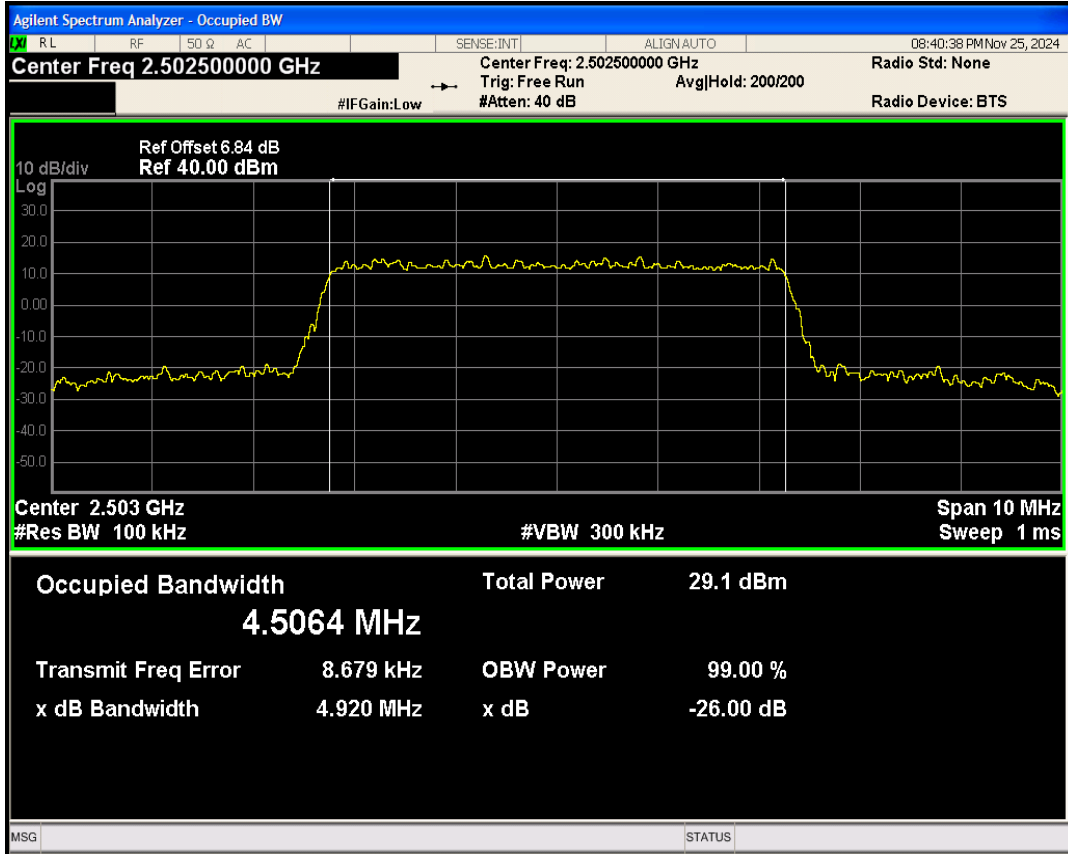
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band7	5	20775	25	#0	QPSK	4.540	4.936	PASS
Band7	5	20775	25	#0	16QAM	4.506	4.920	PASS
Band7	5	21100	25	#0	QPSK	4.520	4.903	PASS
Band7	5	21100	25	#0	16QAM	4.524	4.894	PASS
Band7	5	21425	25	#0	QPSK	4.487	4.949	PASS
Band7	5	21425	25	#0	16QAM	4.504	4.948	PASS
Band7	10	20800	50	#0	QPSK	8.976	9.698	PASS
Band7	10	21100	50	#0	QPSK	8.948	9.696	PASS
Band7	10	21400	50	#0	QPSK	8.958	9.693	PASS
Band7	15	20825	75	#0	QPSK	13.440	14.464	PASS
Band7	15	21100	75	#0	QPSK	13.421	14.386	PASS
Band7	15	21375	75	#0	QPSK	13.479	14.483	PASS
Band7	20	20850	100	#0	QPSK	17.946	19.159	PASS
Band7	20	21100	100	#0	QPSK	17.879	19.123	PASS
Band7	20	21350	100	#0	QPSK	17.938	19.239	PASS

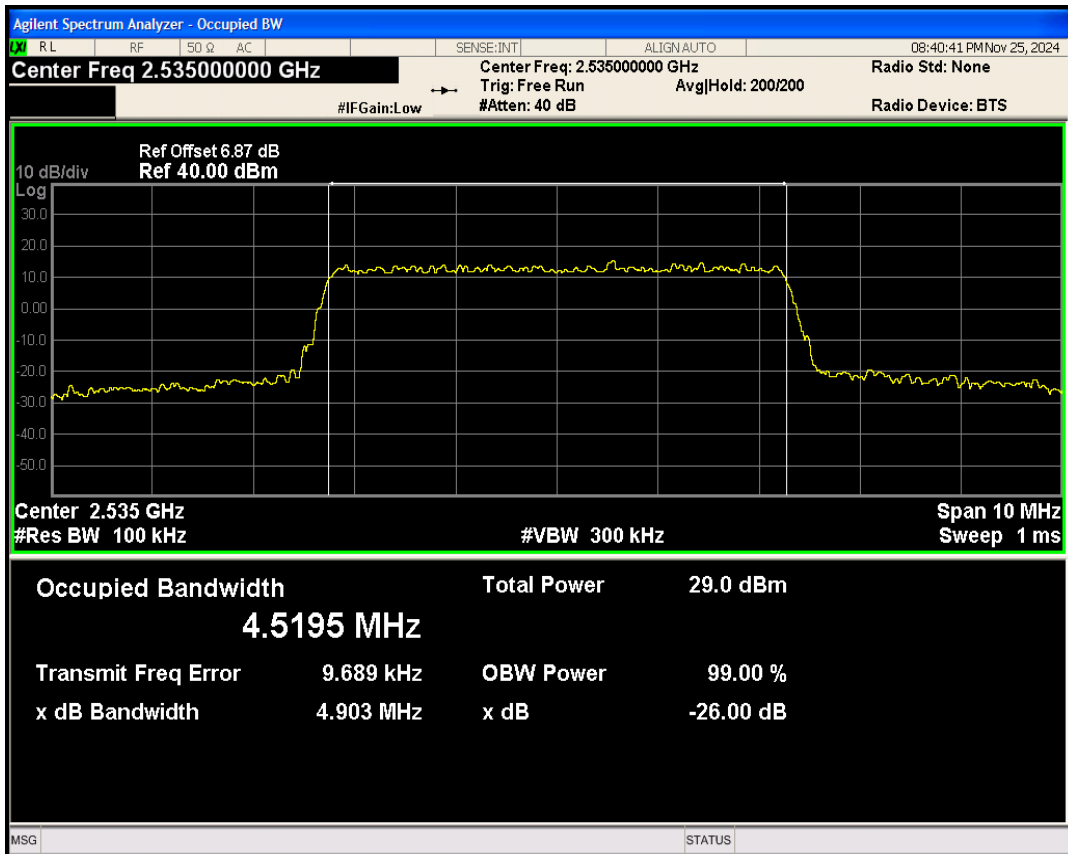
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



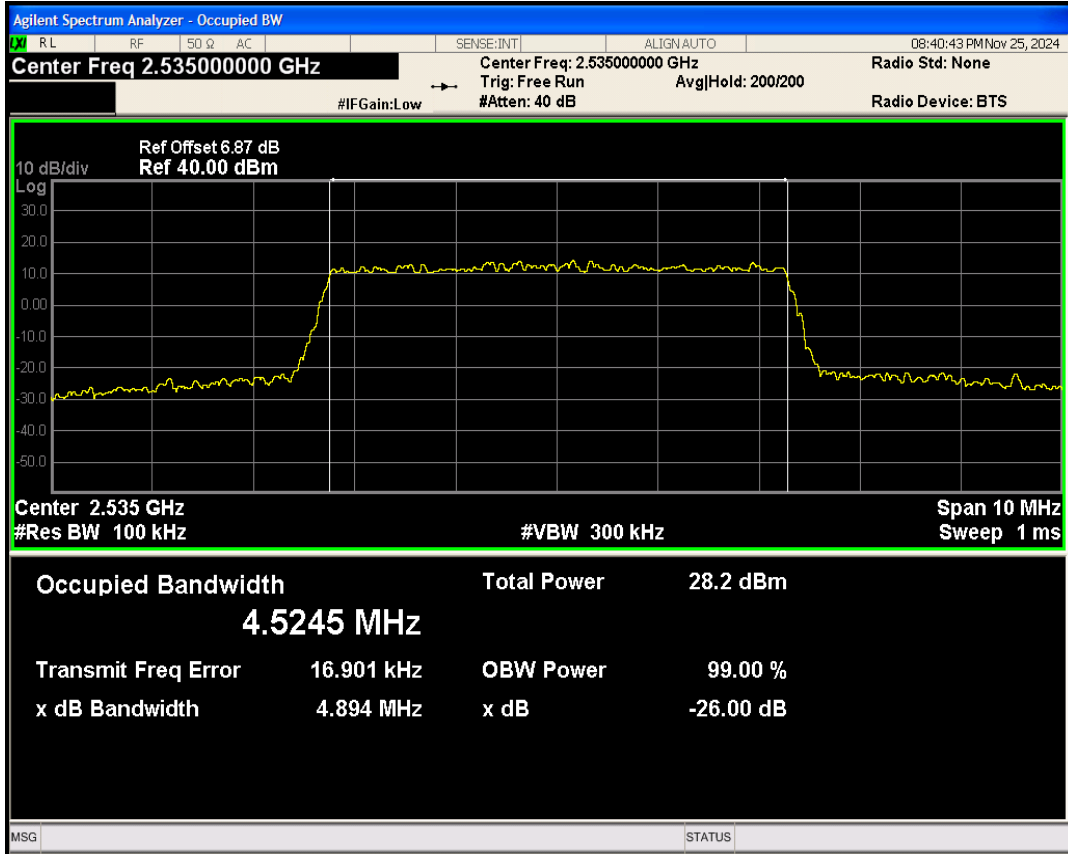
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0



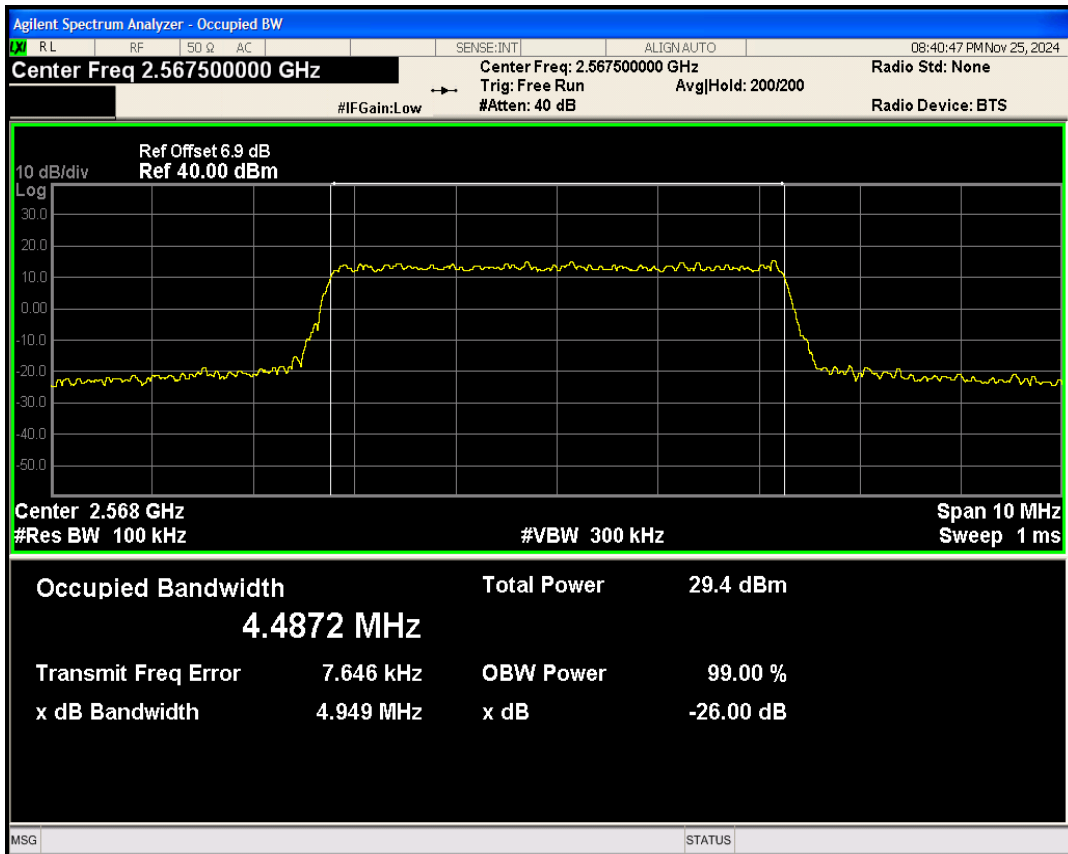
Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0



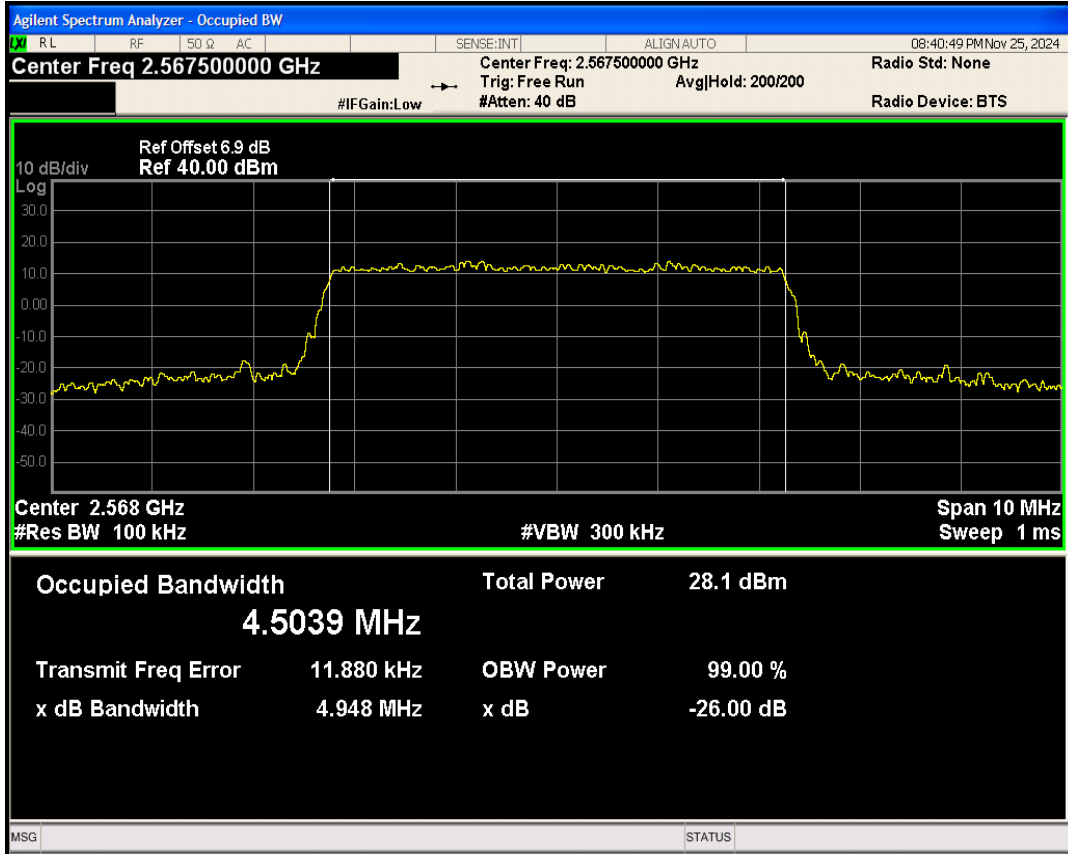
Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0



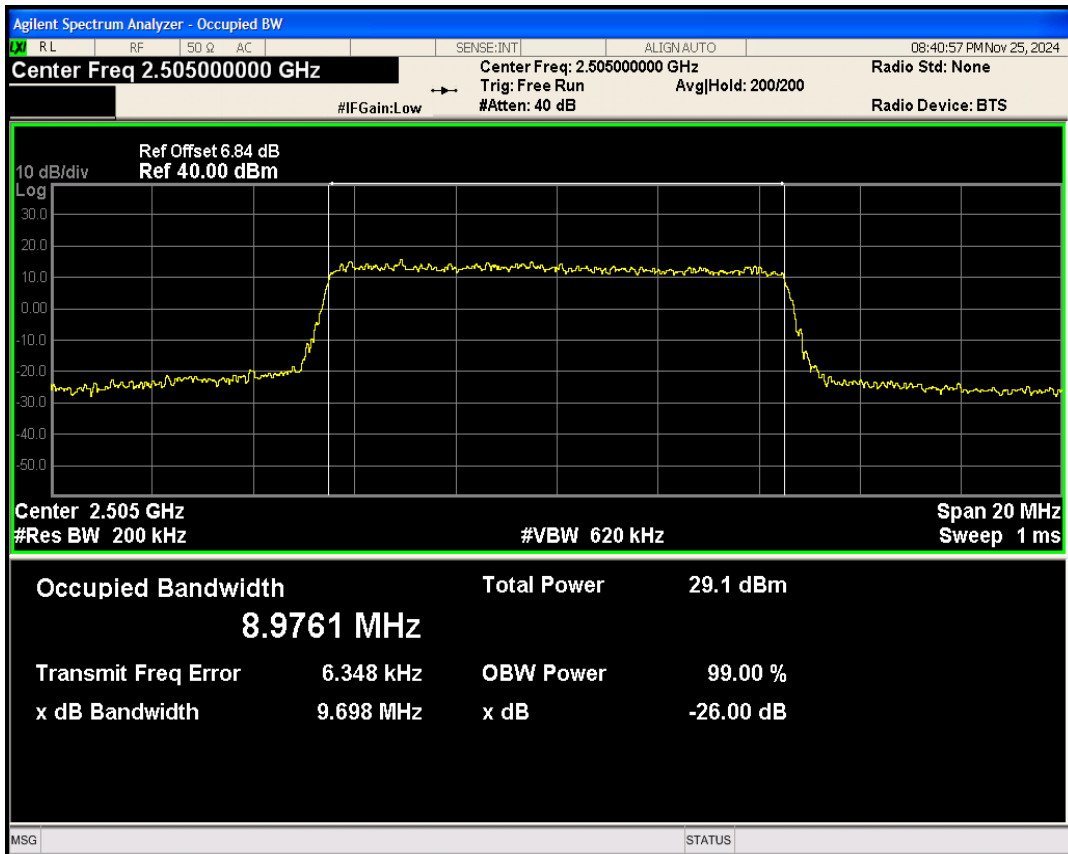
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



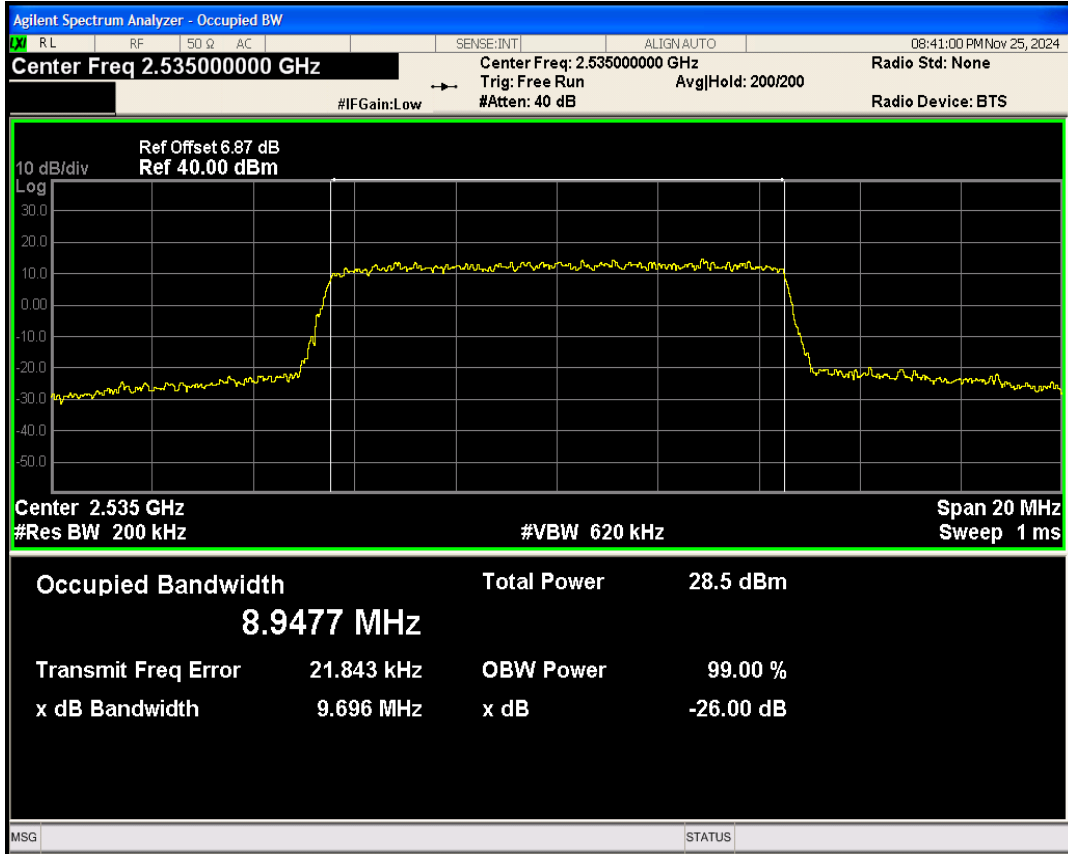
Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0



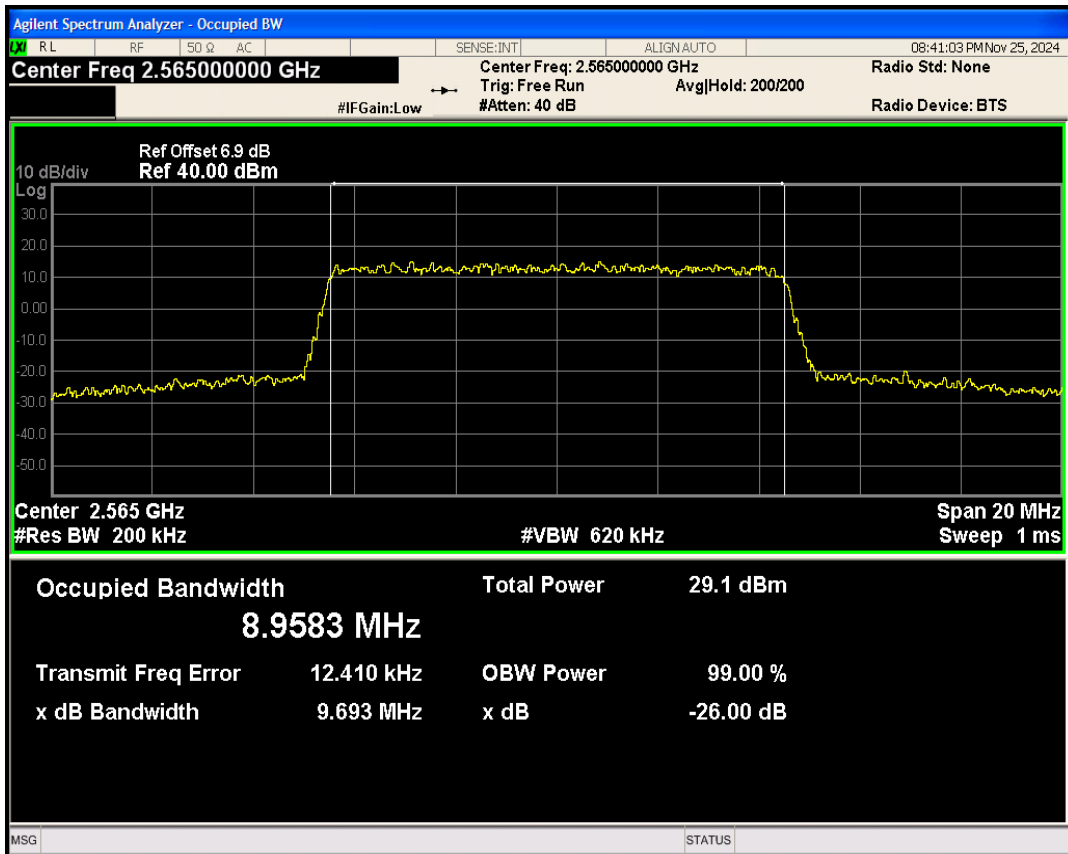
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0



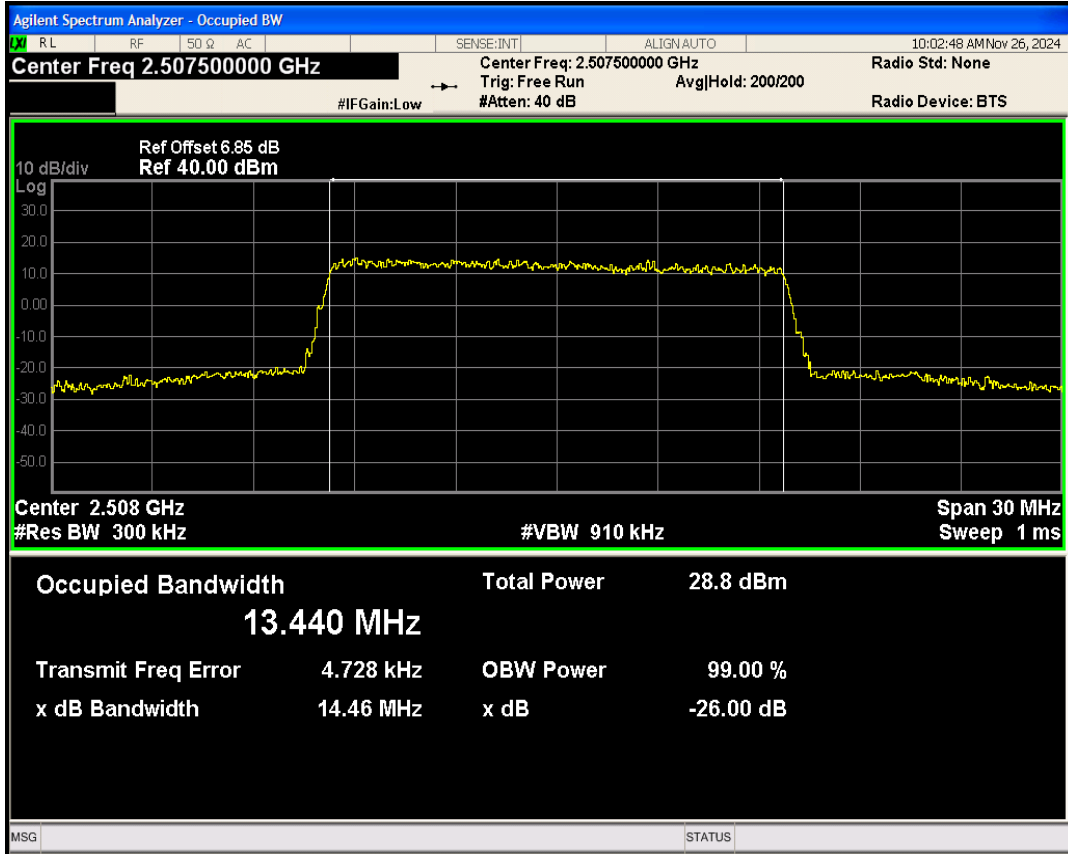
Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0



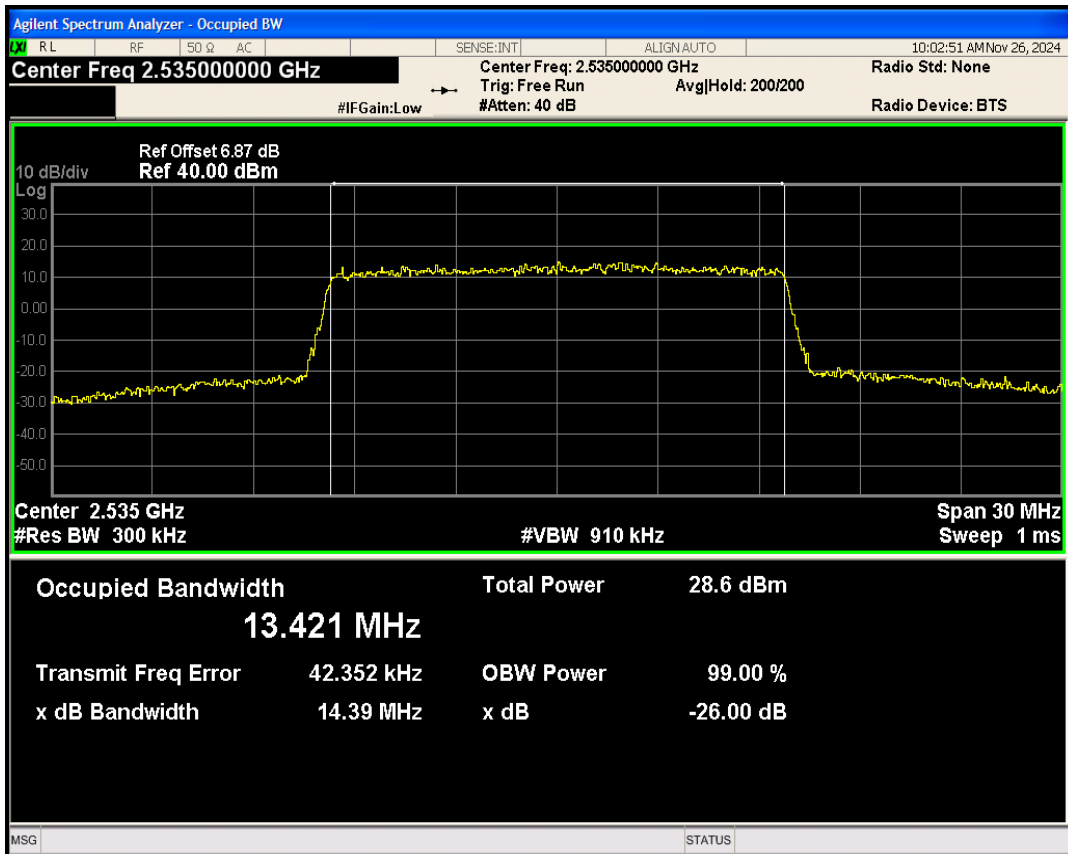
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0



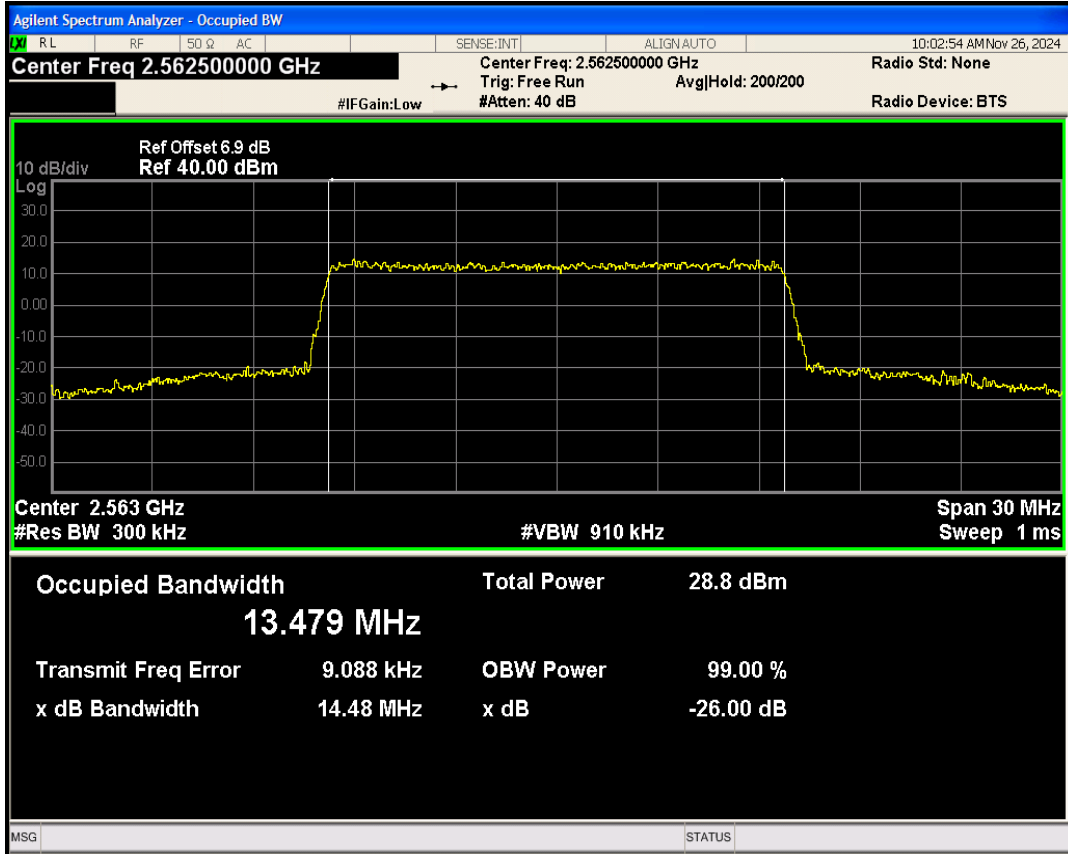
Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0



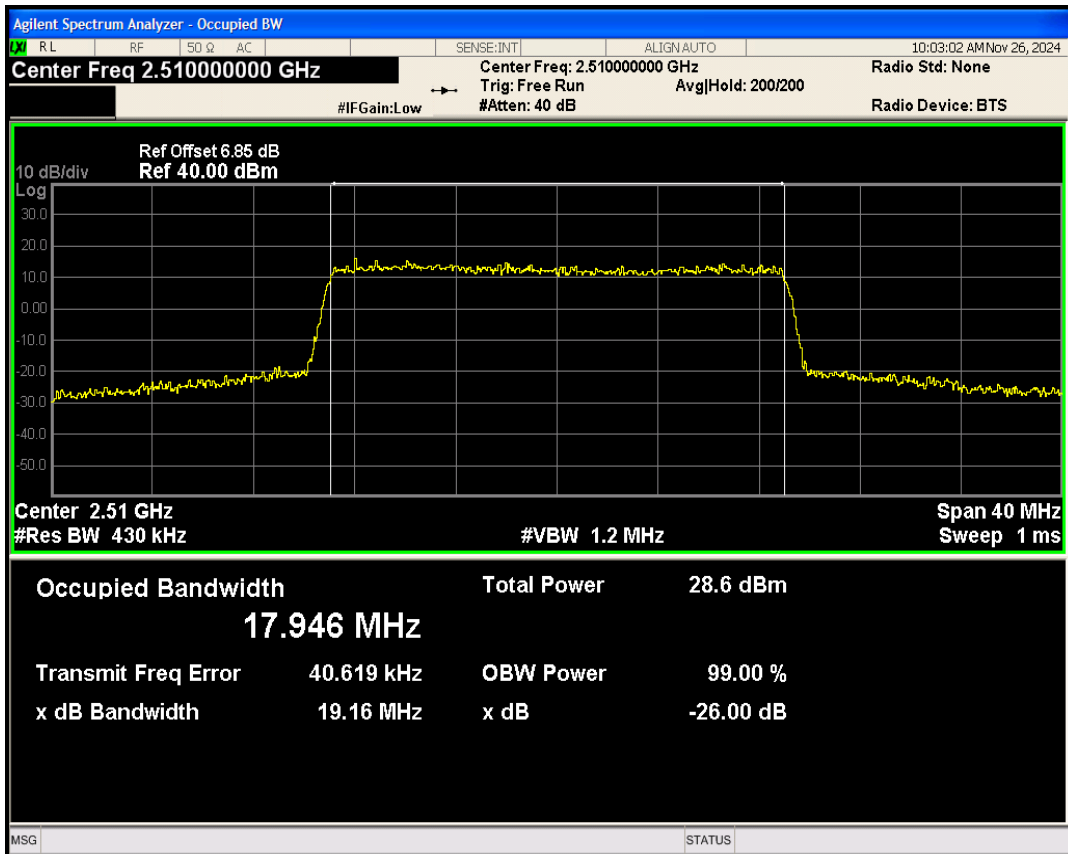
Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0



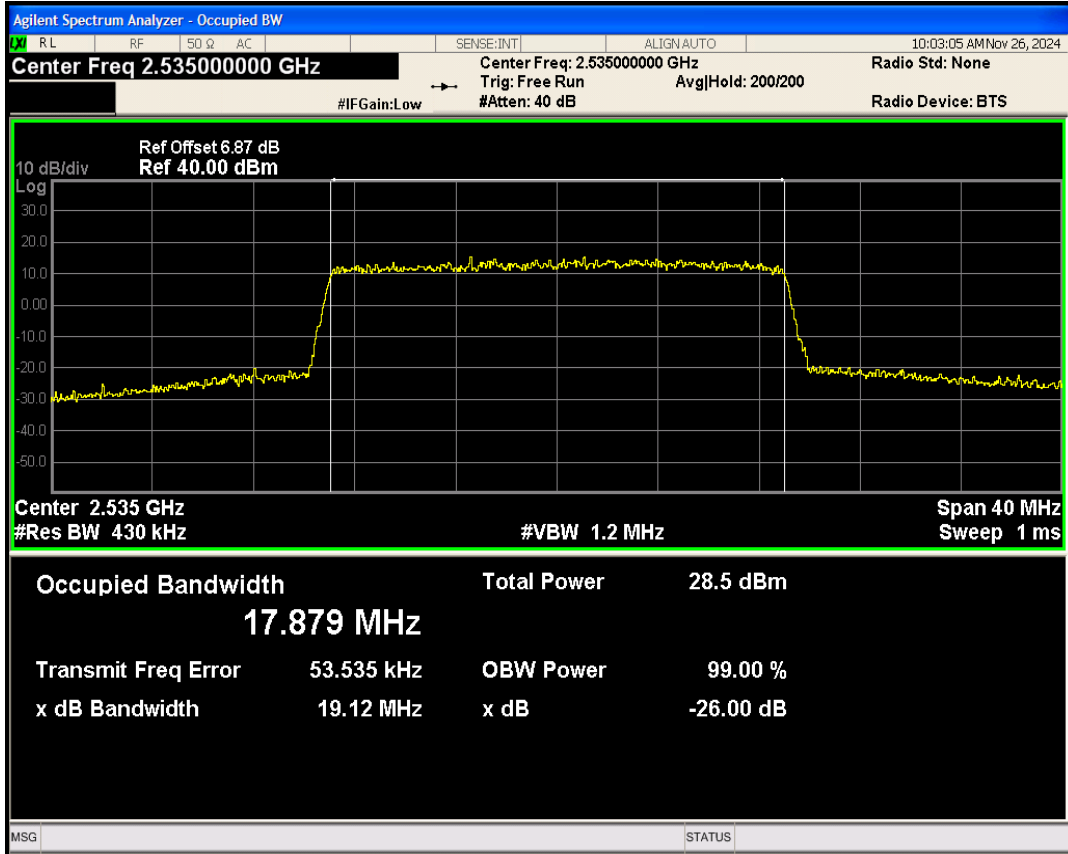
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0



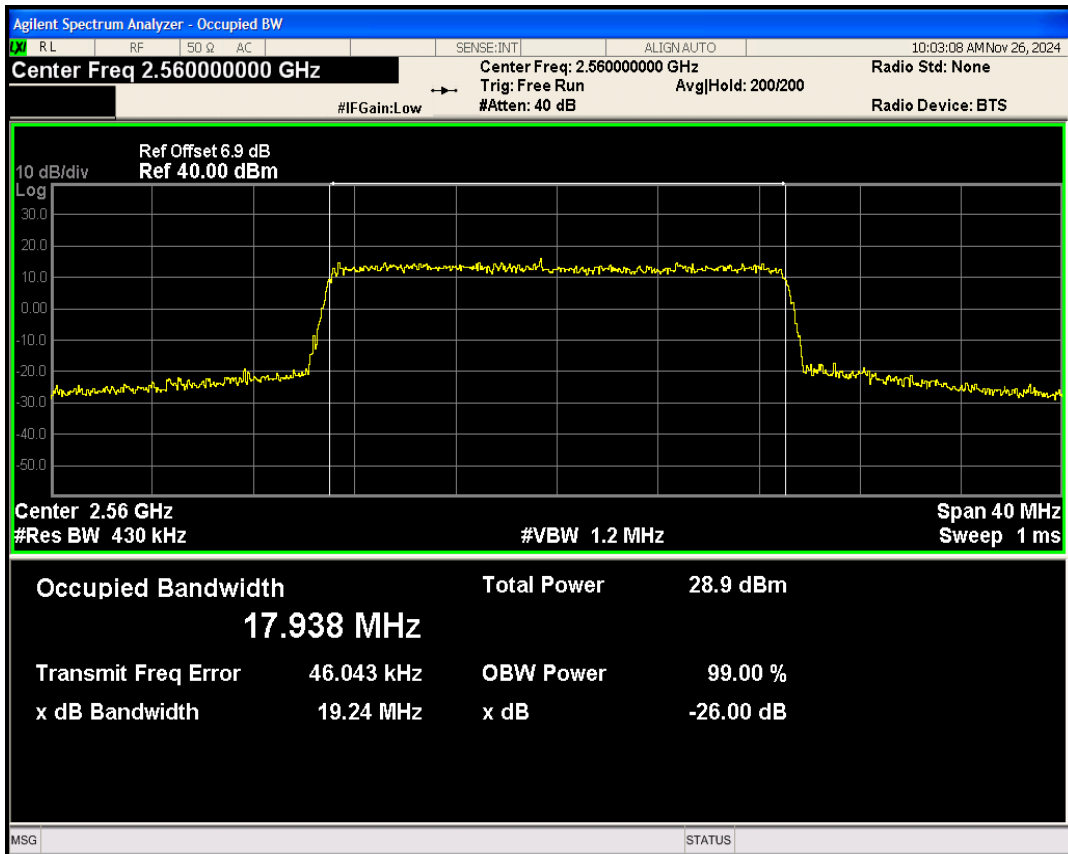
Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0



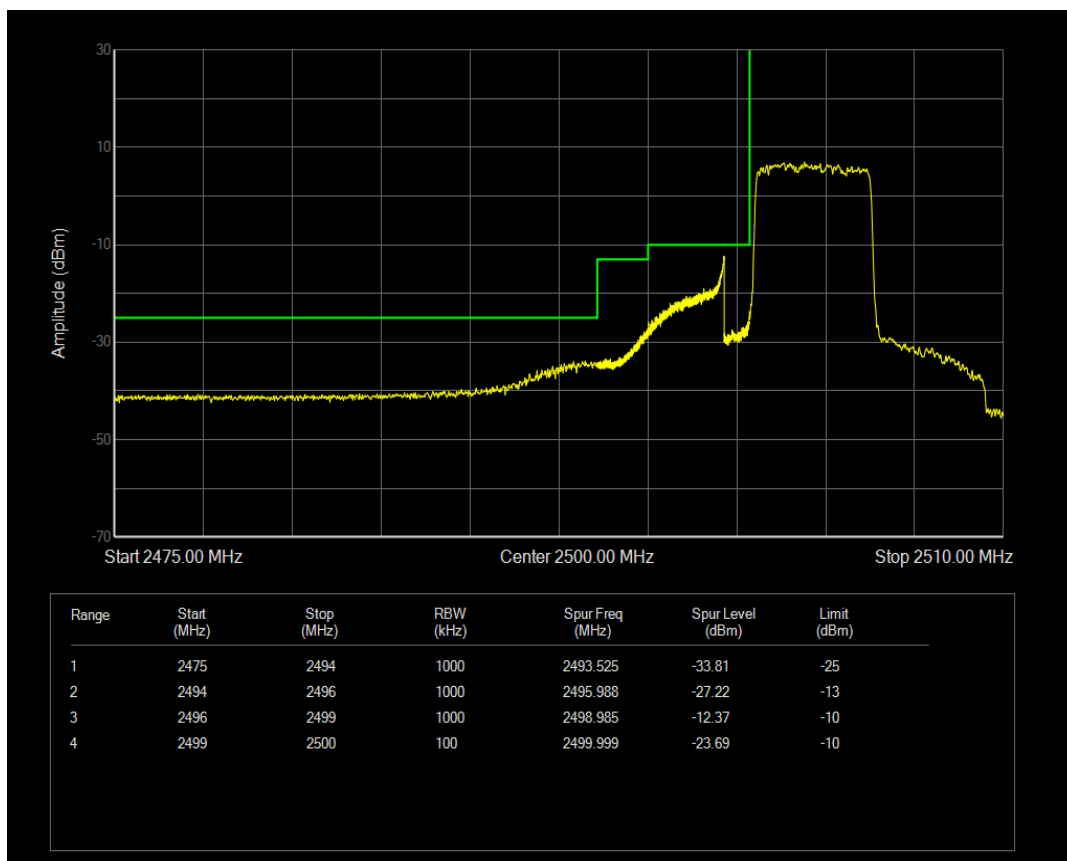
Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



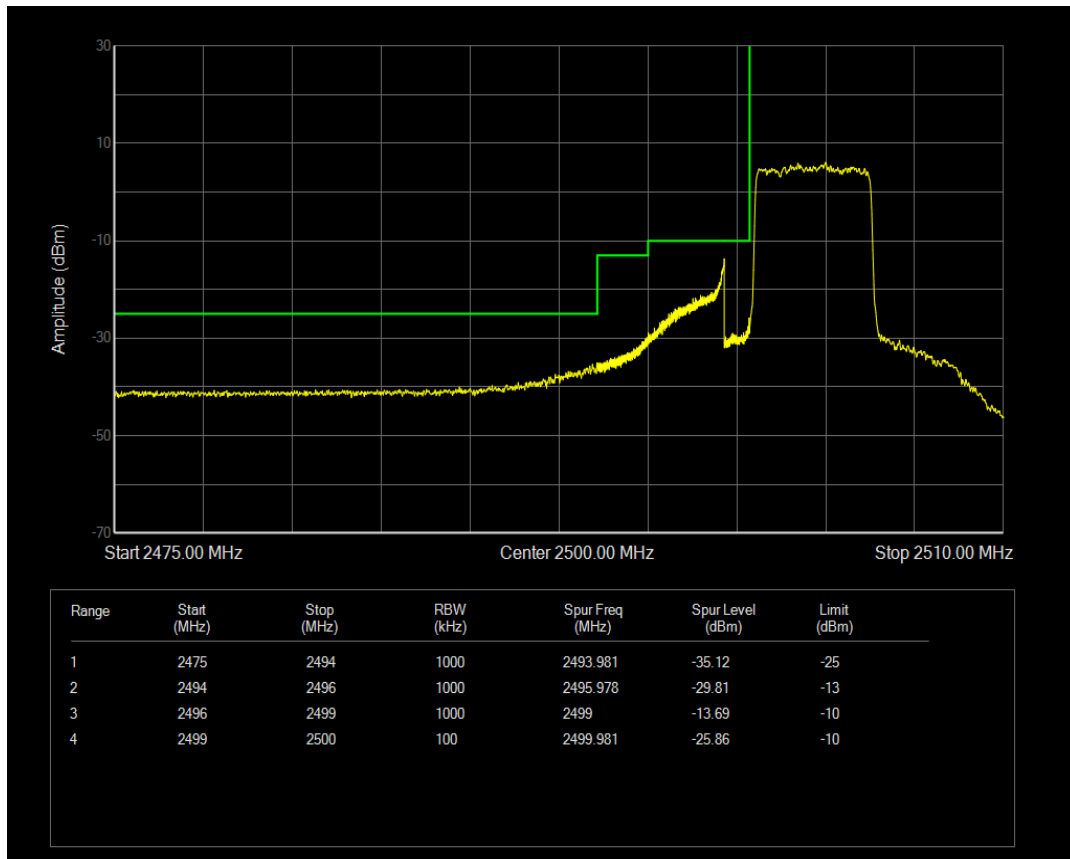
Appendix 5. Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band7	5	20775	25	#0	QPSK	2498.99	-12.37	-10	PASS
Band7	5	20775	25	#0	16QAM	2499.00	-13.69	-10	PASS
Band7	5	21425	25	#0	QPSK	2571.02	-13.79	-10	PASS
Band7	5	21425	25	#0	16QAM	2571.00	-14.91	-10	PASS
Band7	10	20800	50	#0	QPSK	2498.99	-21.33	-10	PASS
Band7	10	21400	50	#0	QPSK	2571.01	-22.35	-10	PASS
Band7	15	20825	75	#0	QPSK	2498.93	-22.92	-10	PASS
Band7	15	21375	75	#0	QPSK	2571.22	-22.91	-10	PASS
Band7	20	20850	100	#0	QPSK	2479.26	-40.07	-25	PASS
Band7	20	21350	100	#0	QPSK	2571.06	-24.57	-10	PASS

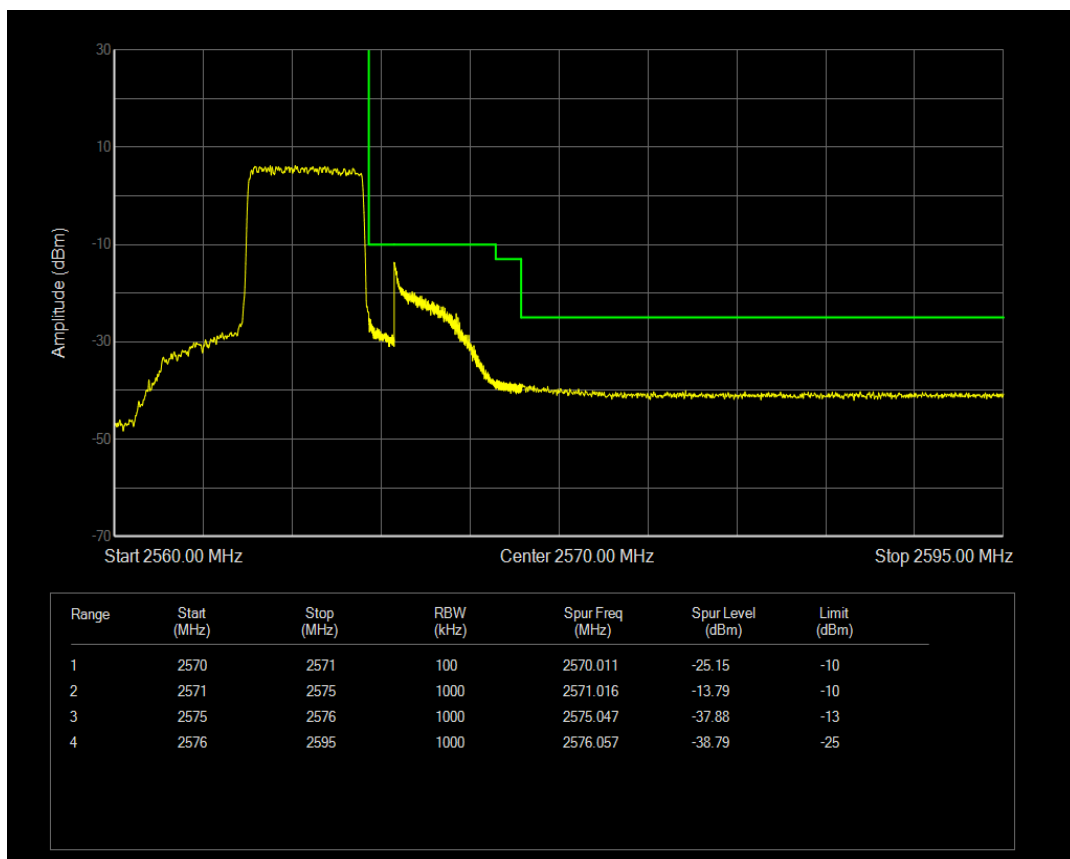
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



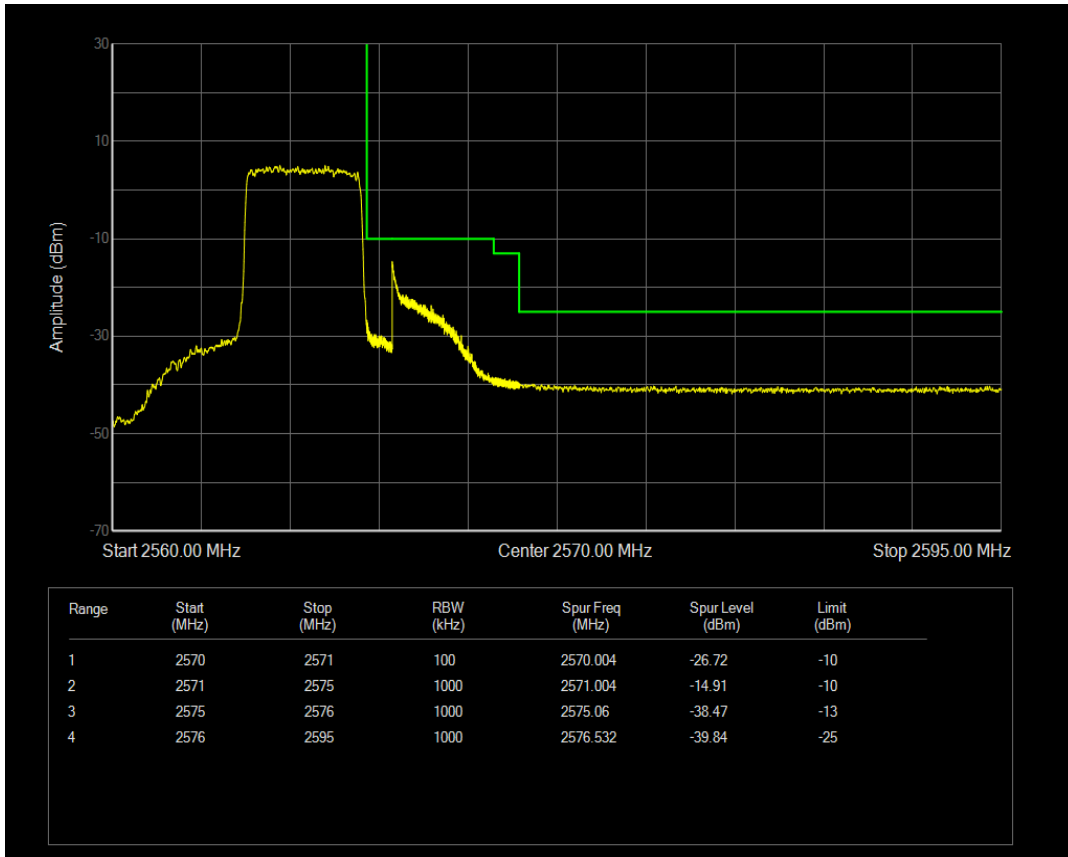
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0



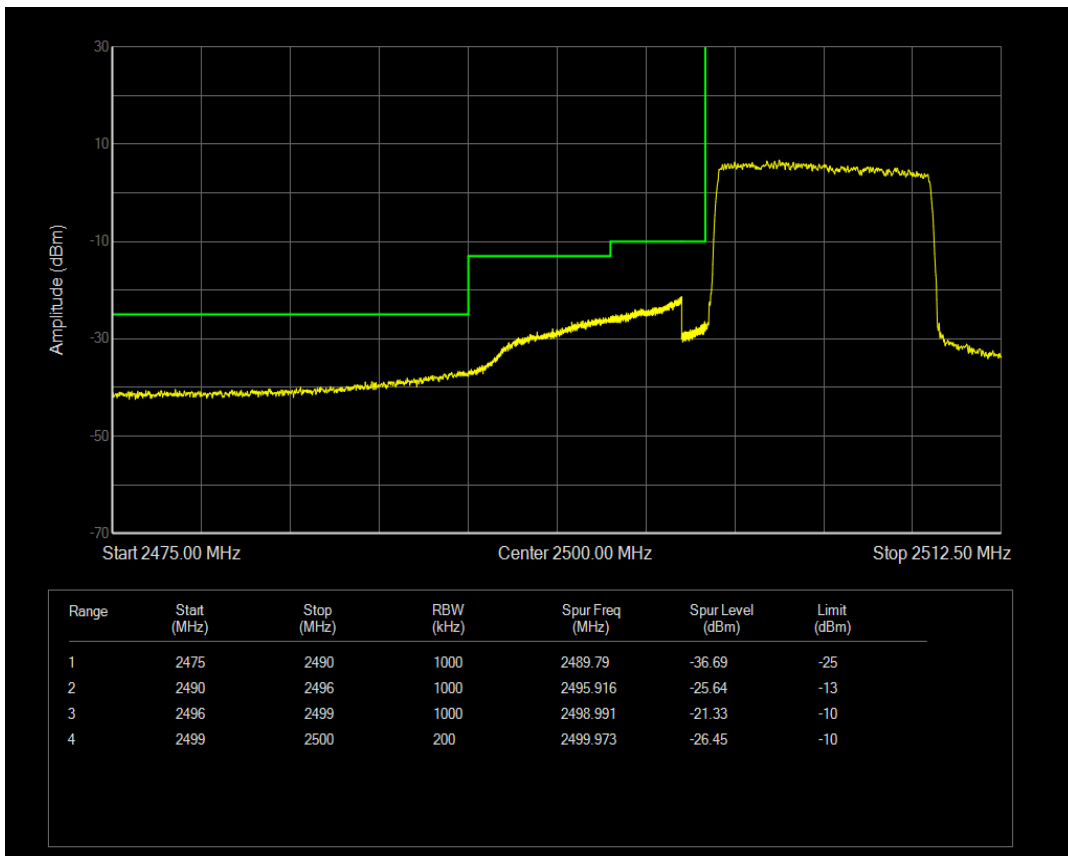
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



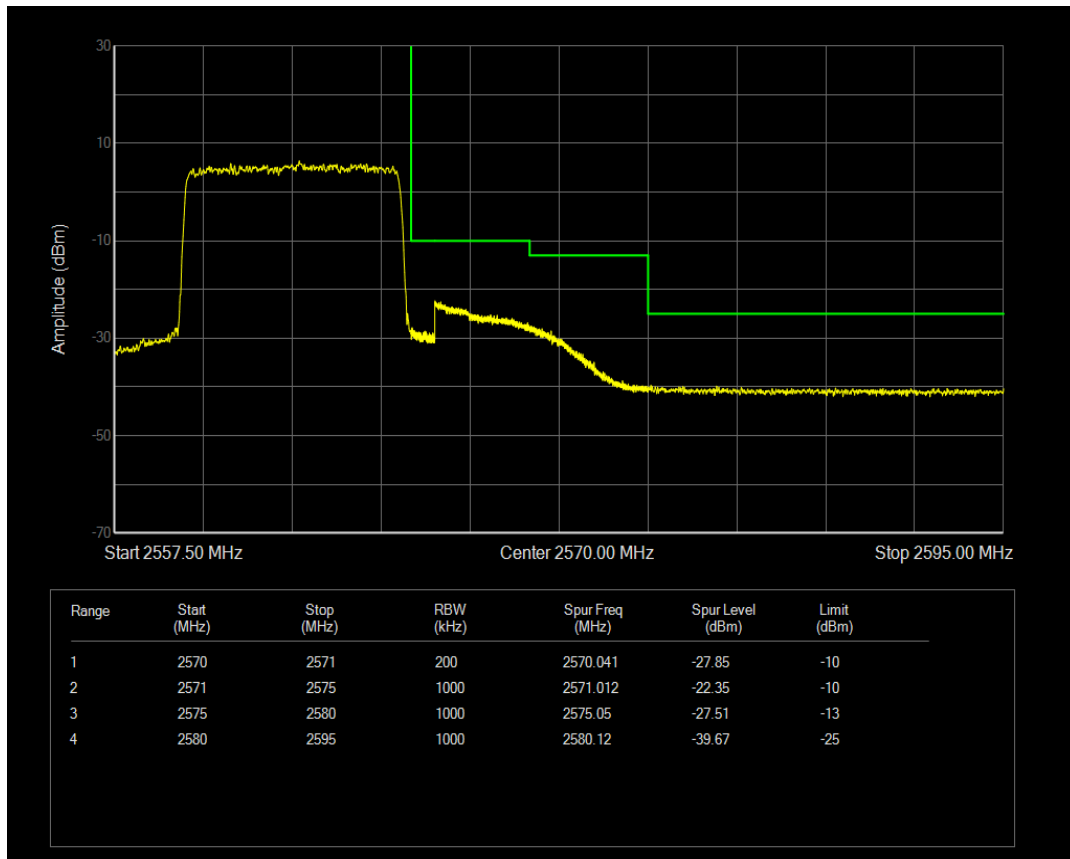
Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0



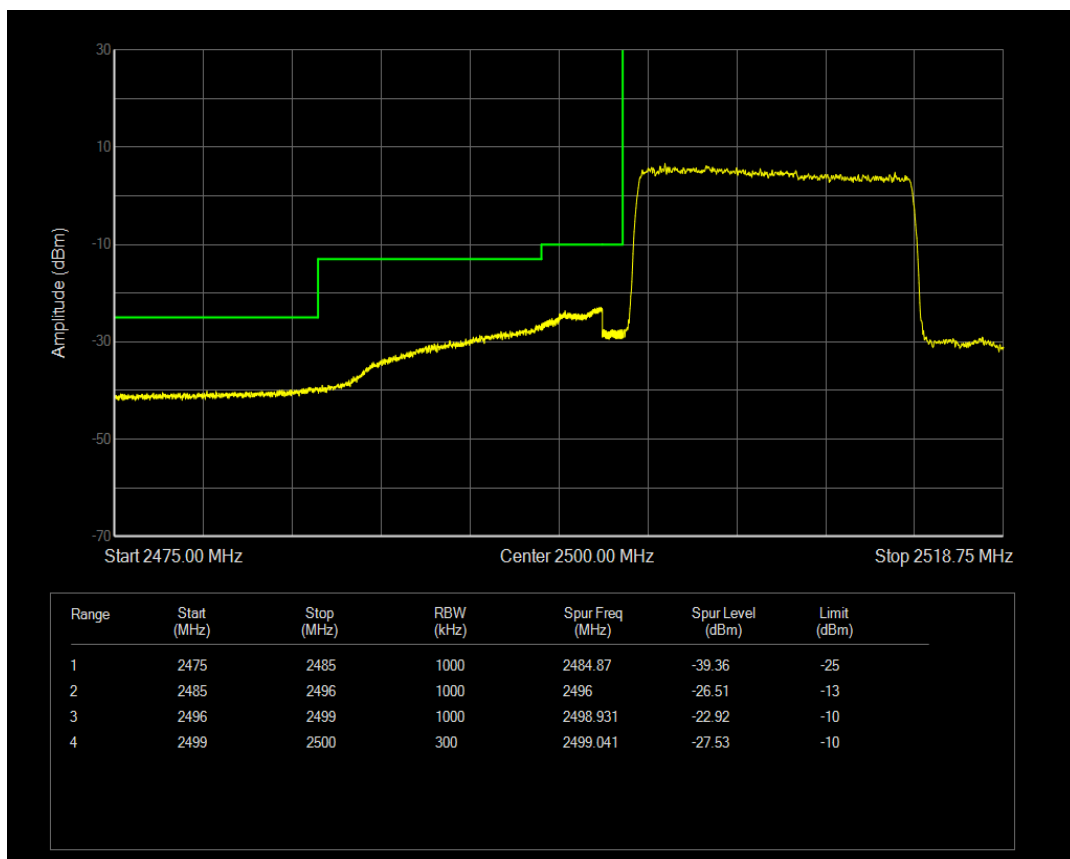
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0



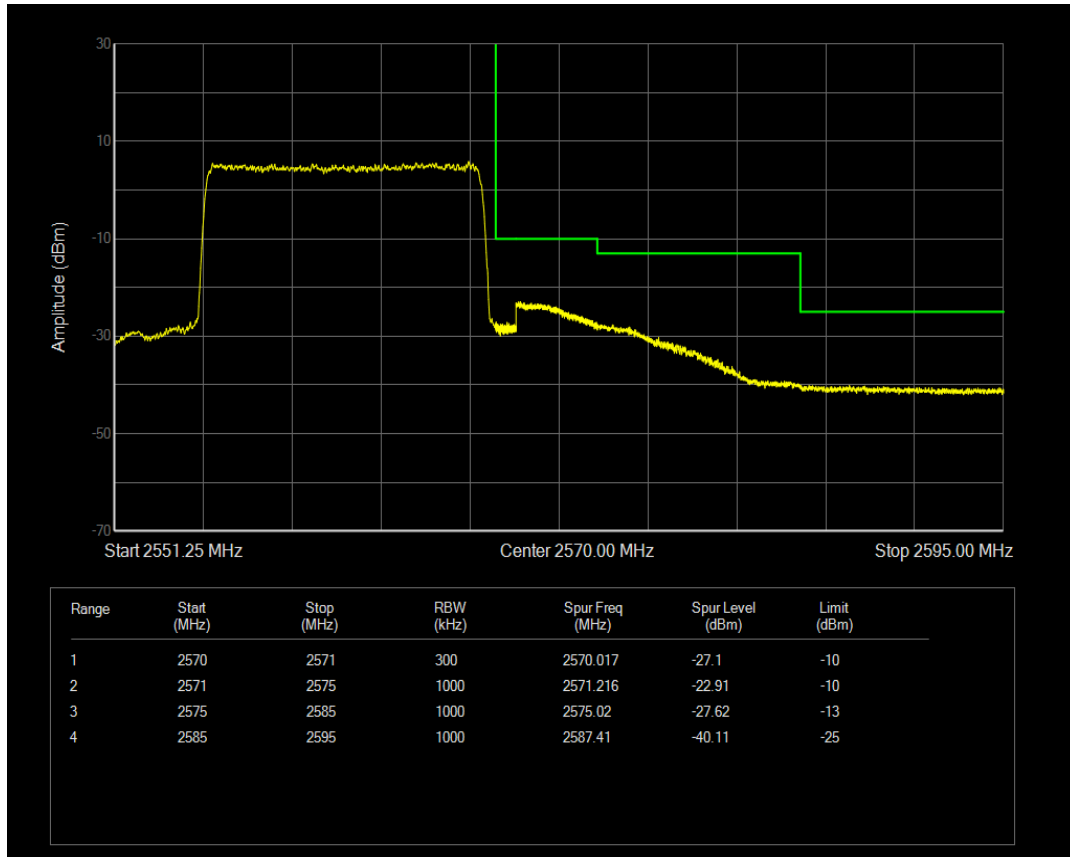
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0



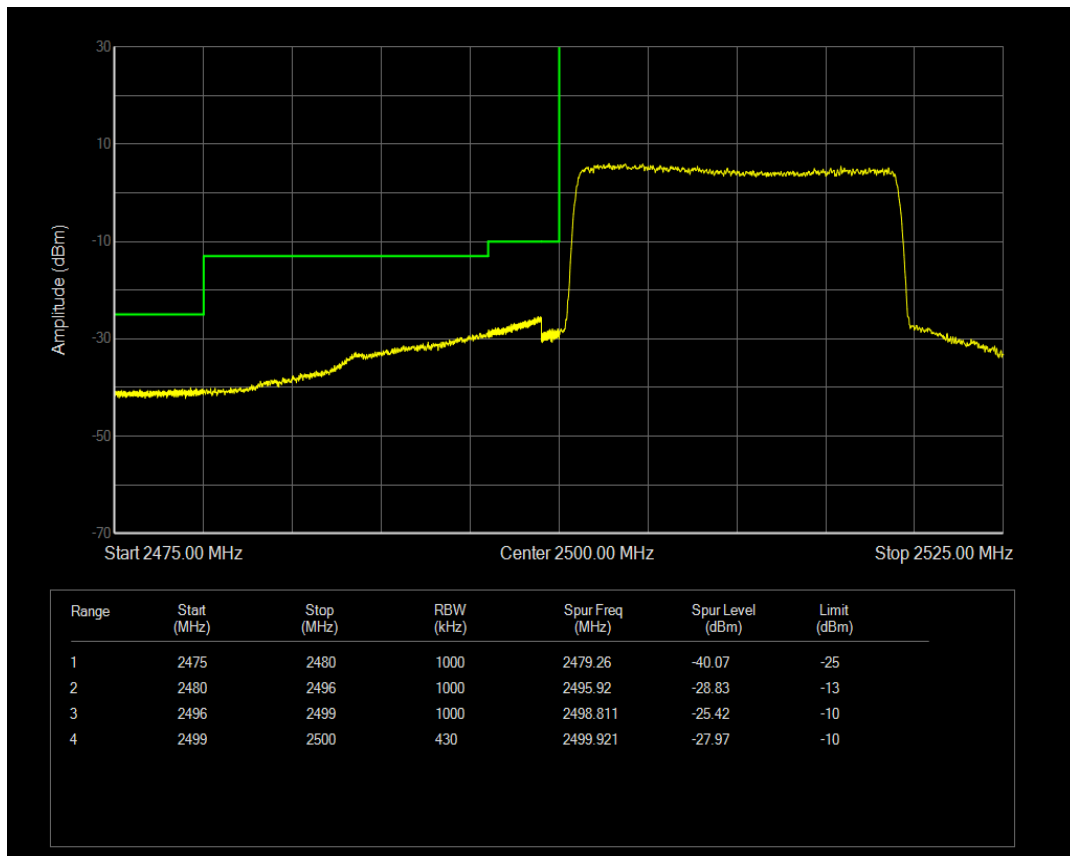
Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0



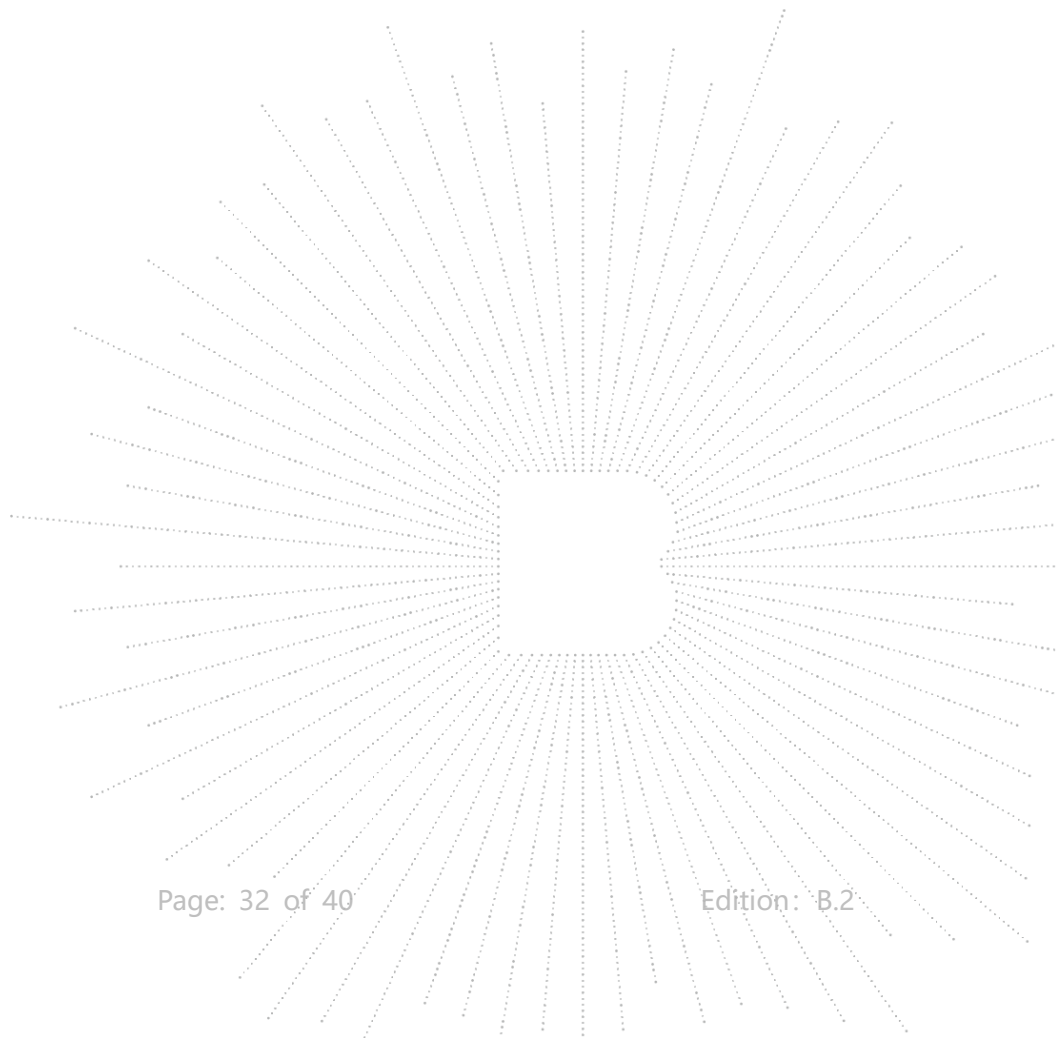
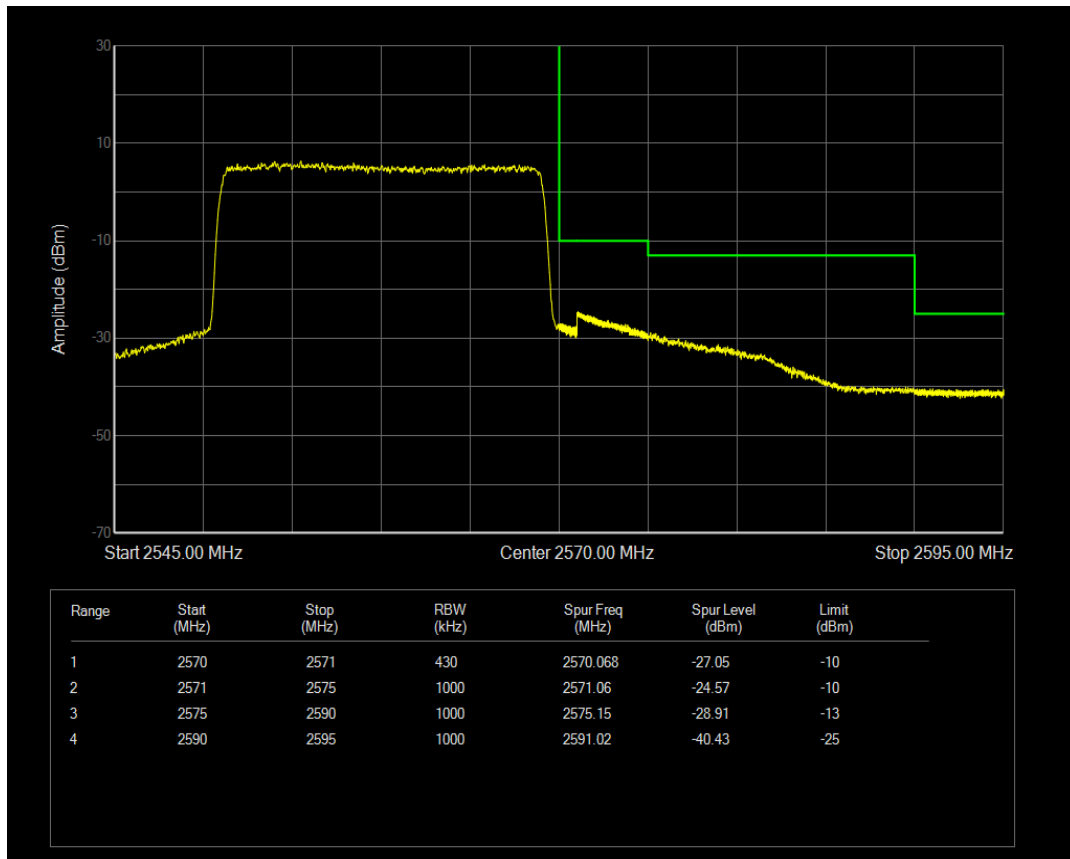
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0



Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



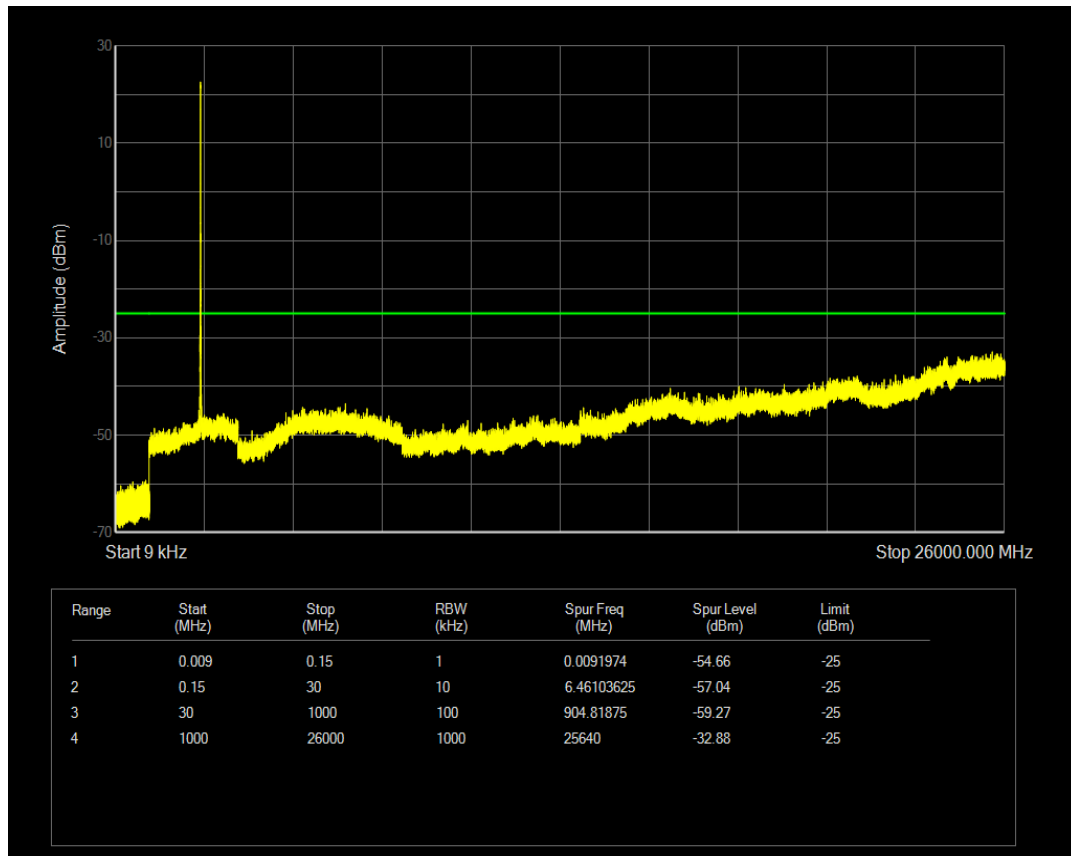
Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



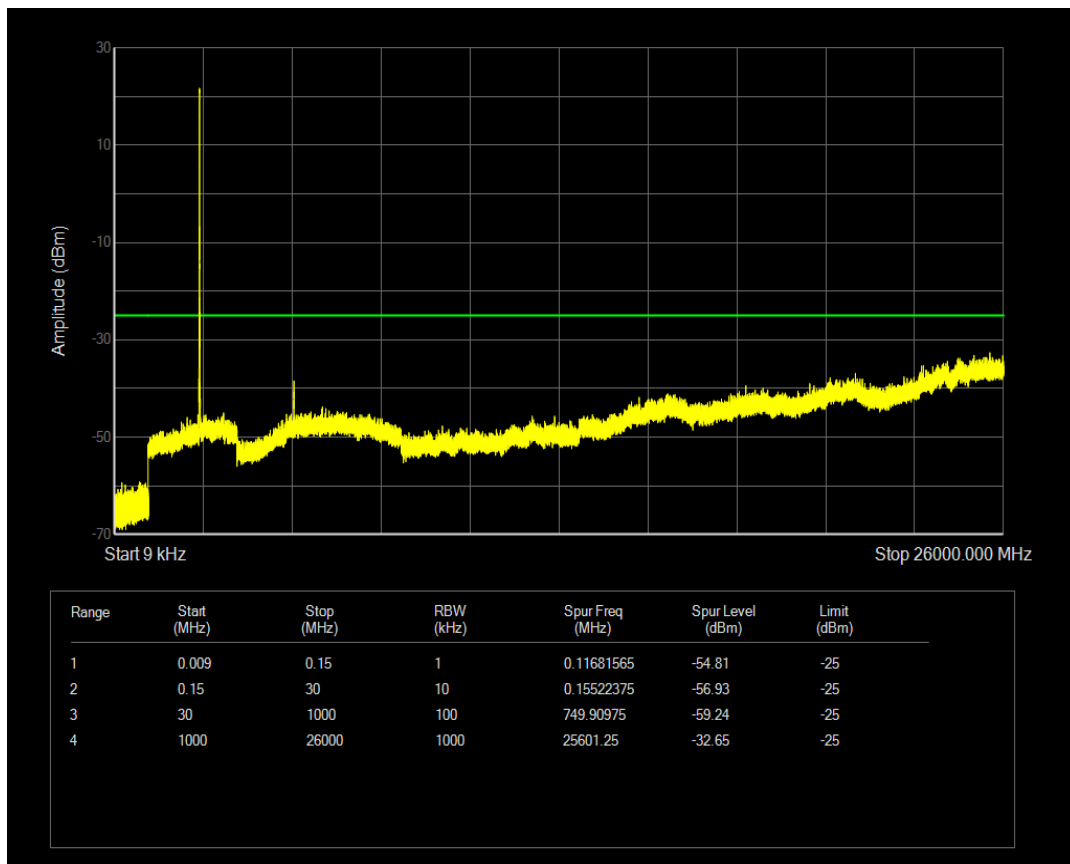
Appendix 6. Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band7	5	20775	25	#0	QPSK	25640.00	-32.88	-25	PASS
Band7	5	20775	25	#0	16QAM	25601.25	-32.65	-25	PASS
Band7	5	21100	25	#0	QPSK	25132.50	-32.46	-25	PASS
Band7	5	21100	25	#0	16QAM	25282.50	-33.18	-25	PASS
Band7	5	21425	25	#0	QPSK	25803.75	-33.13	-25	PASS
Band7	5	21425	25	#0	16QAM	25676.88	-32.47	-25	PASS
Band7	10	20800	50	#0	QPSK	25094.38	-32.93	-25	PASS
Band7	10	21100	50	#0	QPSK	25292.50	-33.04	-25	PASS
Band7	10	21400	50	#0	QPSK	25183.75	-32.87	-25	PASS
Band7	15	20825	75	#0	QPSK	25805.00	-33.03	-25	PASS
Band7	15	21100	75	#0	QPSK	26000.00	-32.48	-25	PASS
Band7	15	21375	75	#0	QPSK	25047.50	-33.06	-25	PASS
Band7	20	20850	100	#0	QPSK	25726.25	-32.18	-25	PASS
Band7	20	21100	100	#0	QPSK	25285.00	-32.78	-25	PASS
Band7	20	21350	100	#0	QPSK	25951.25	-32.58	-25	PASS

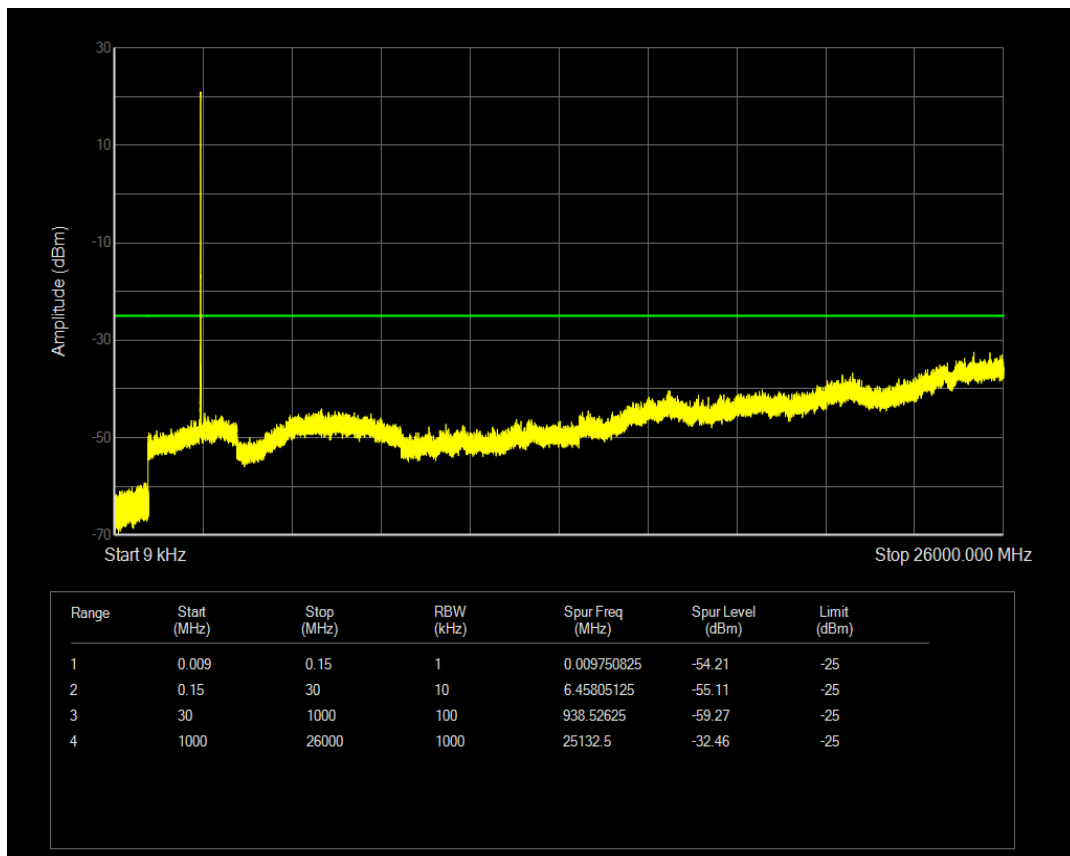
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



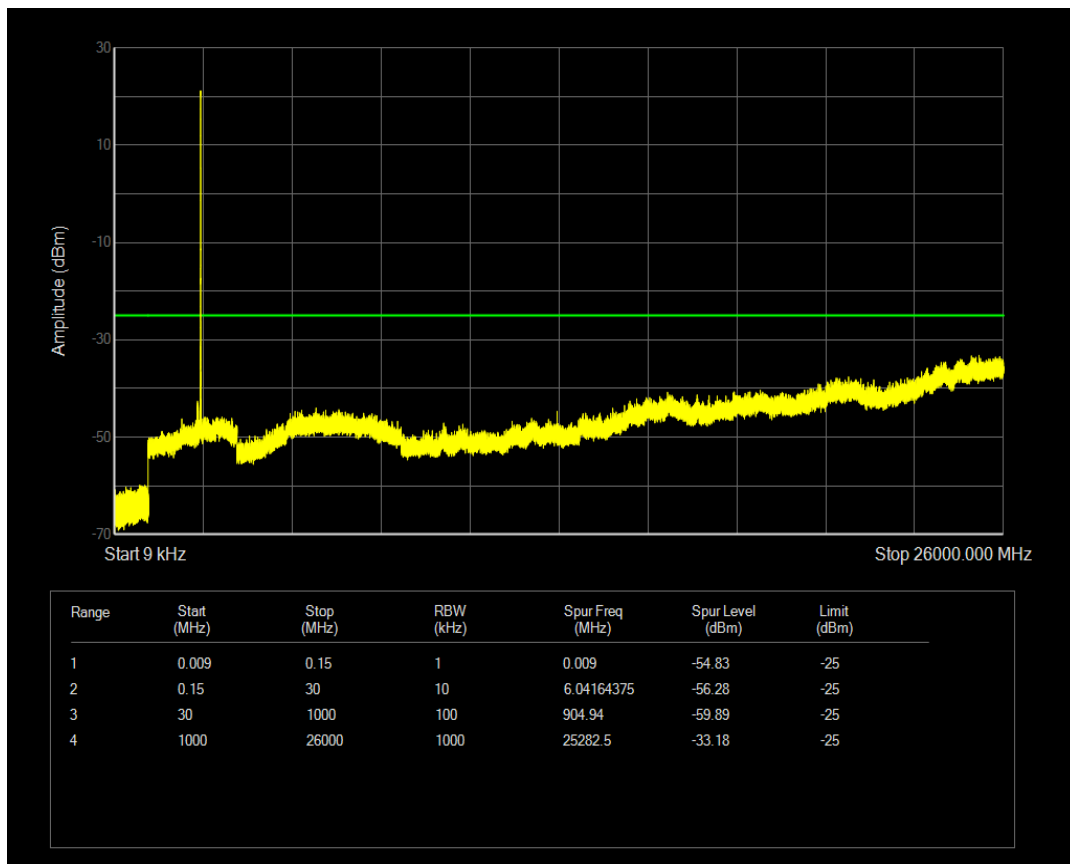
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0



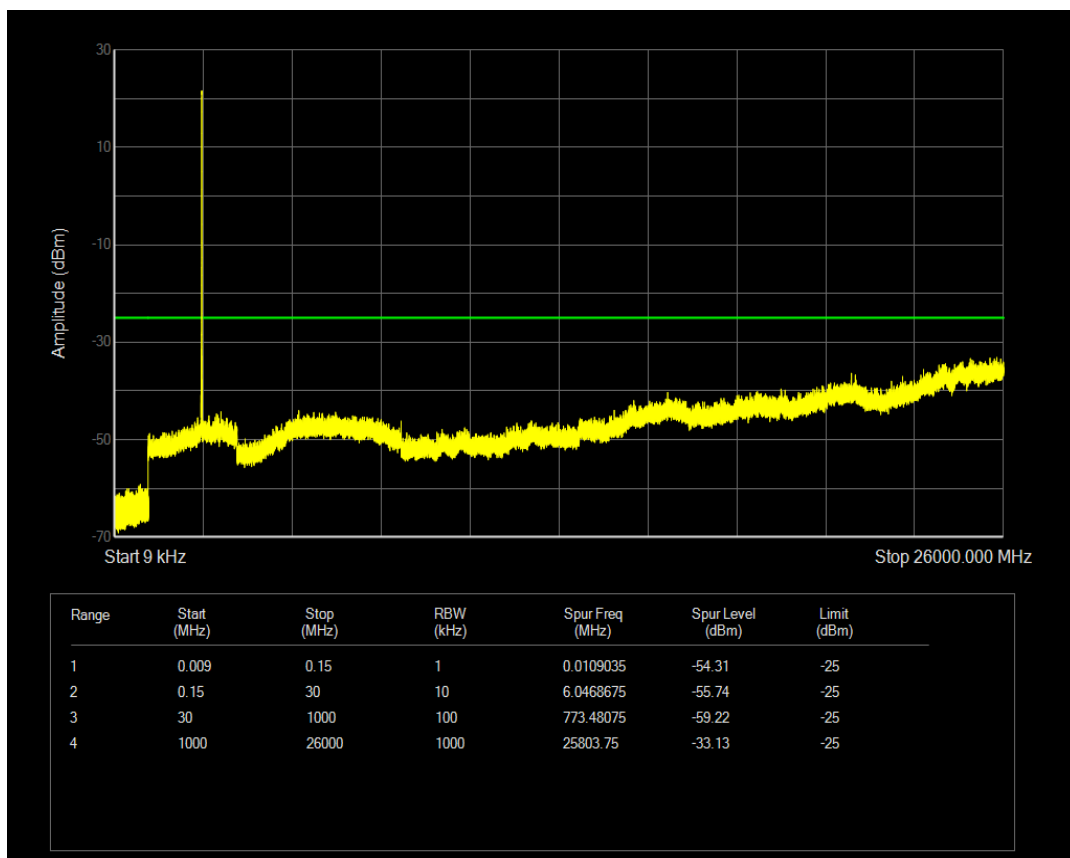
Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0



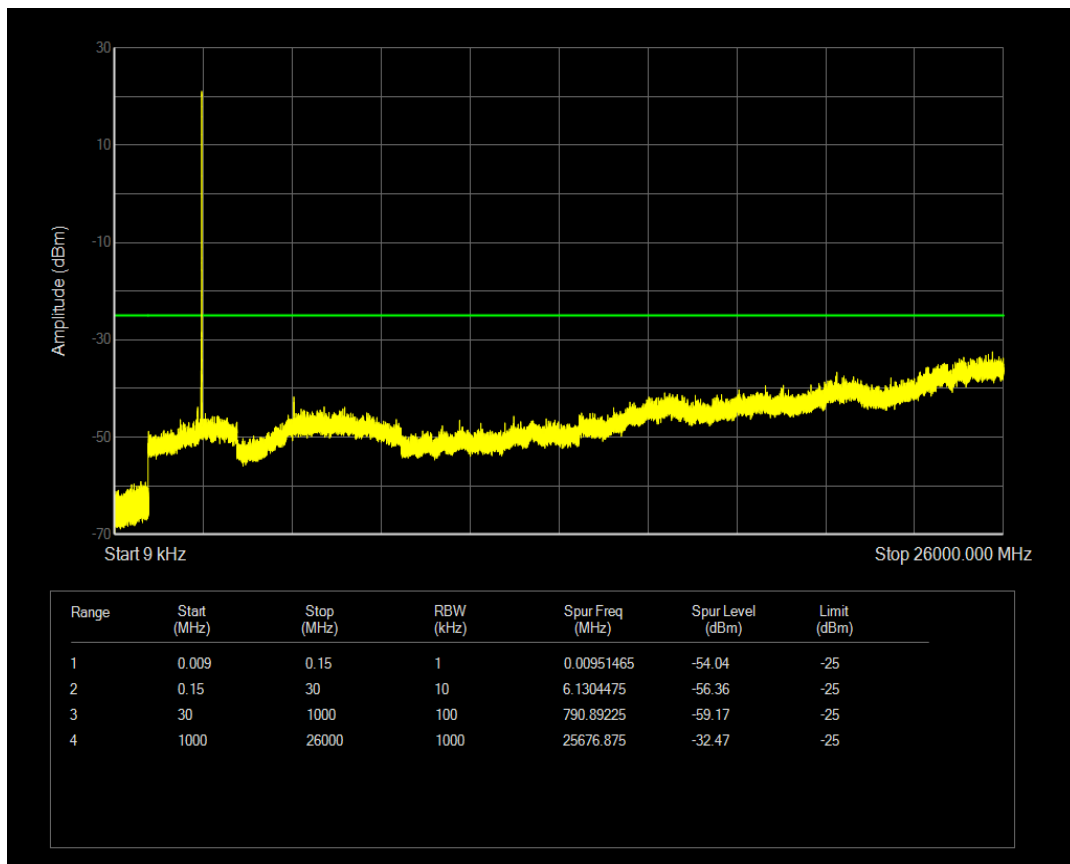
Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0



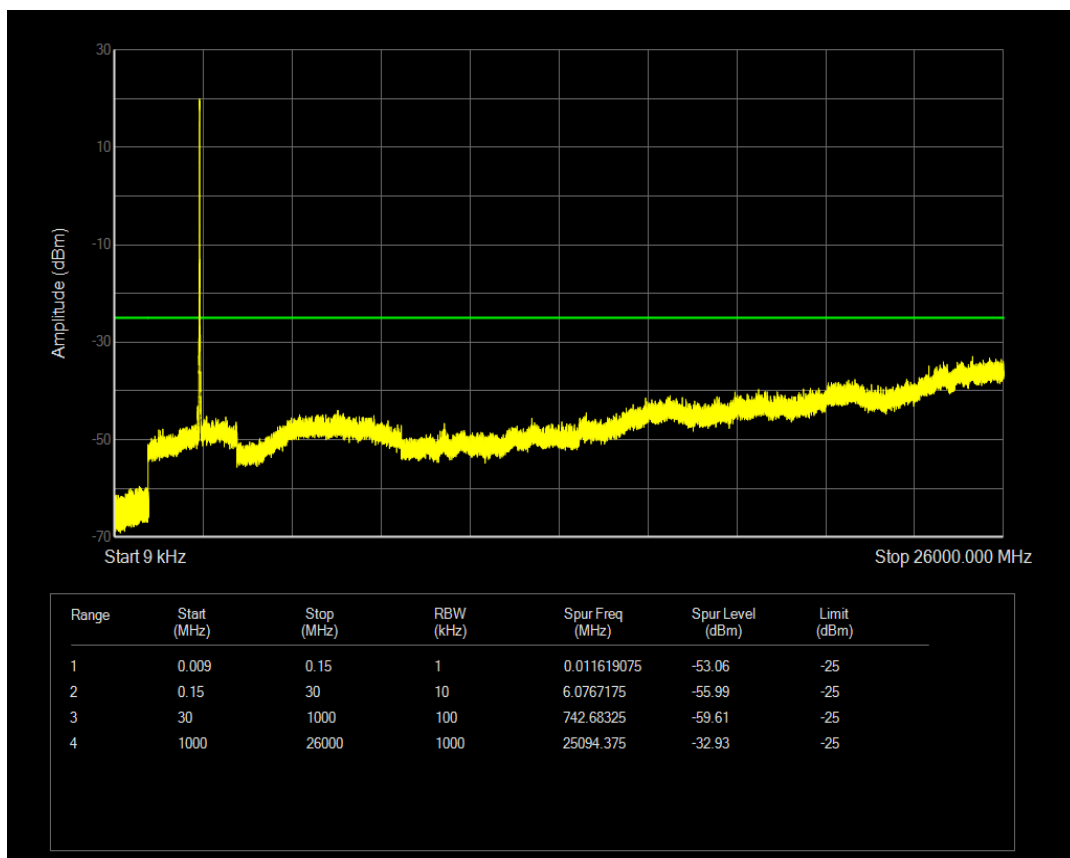
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0

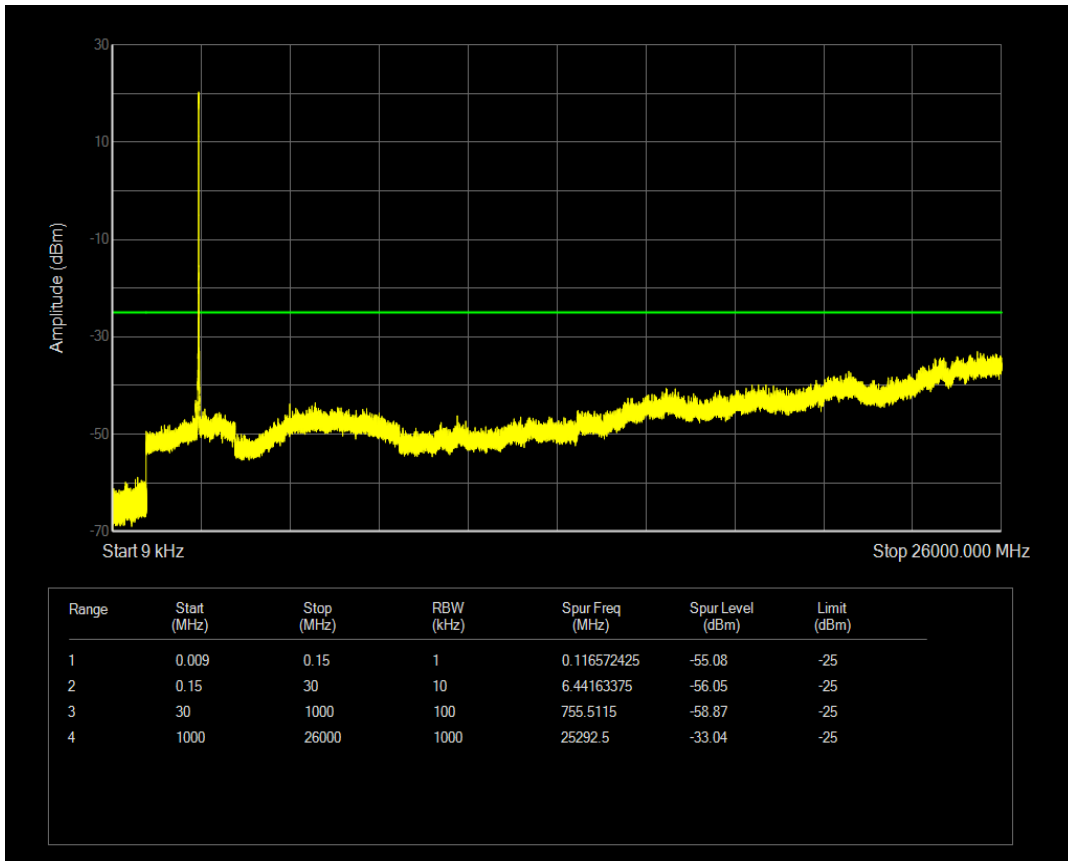


Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0

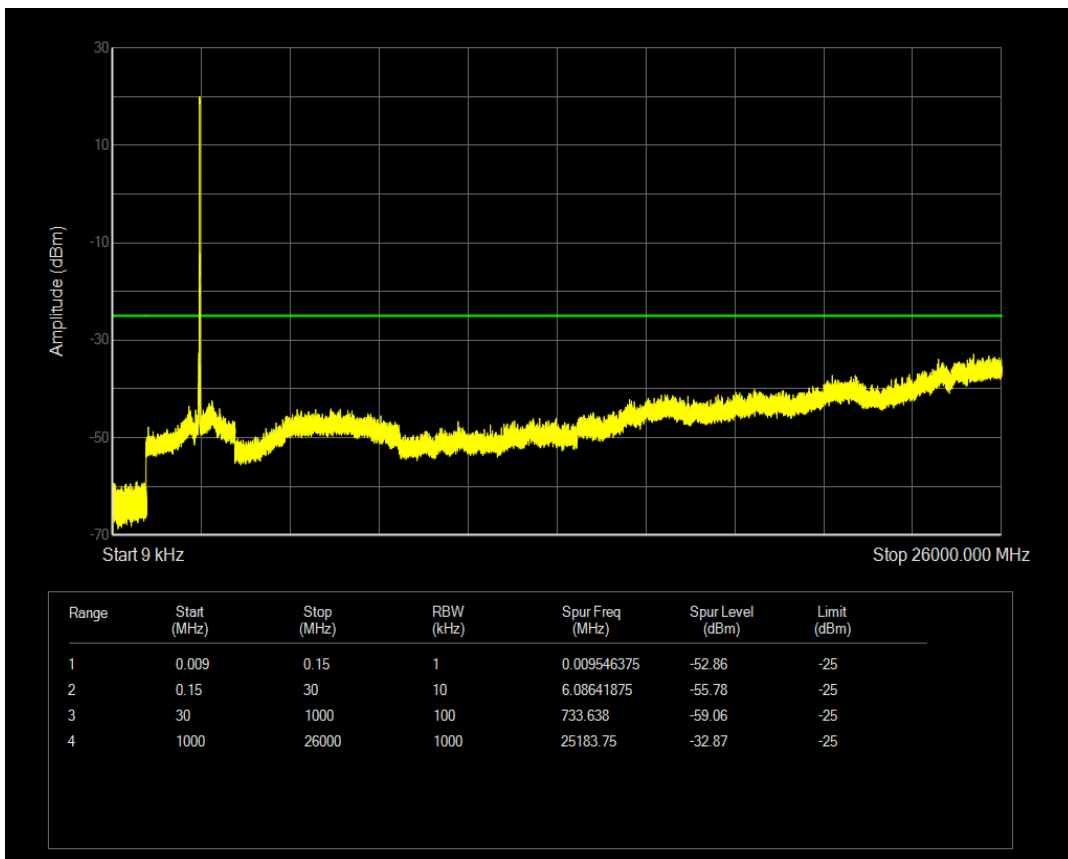




Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0

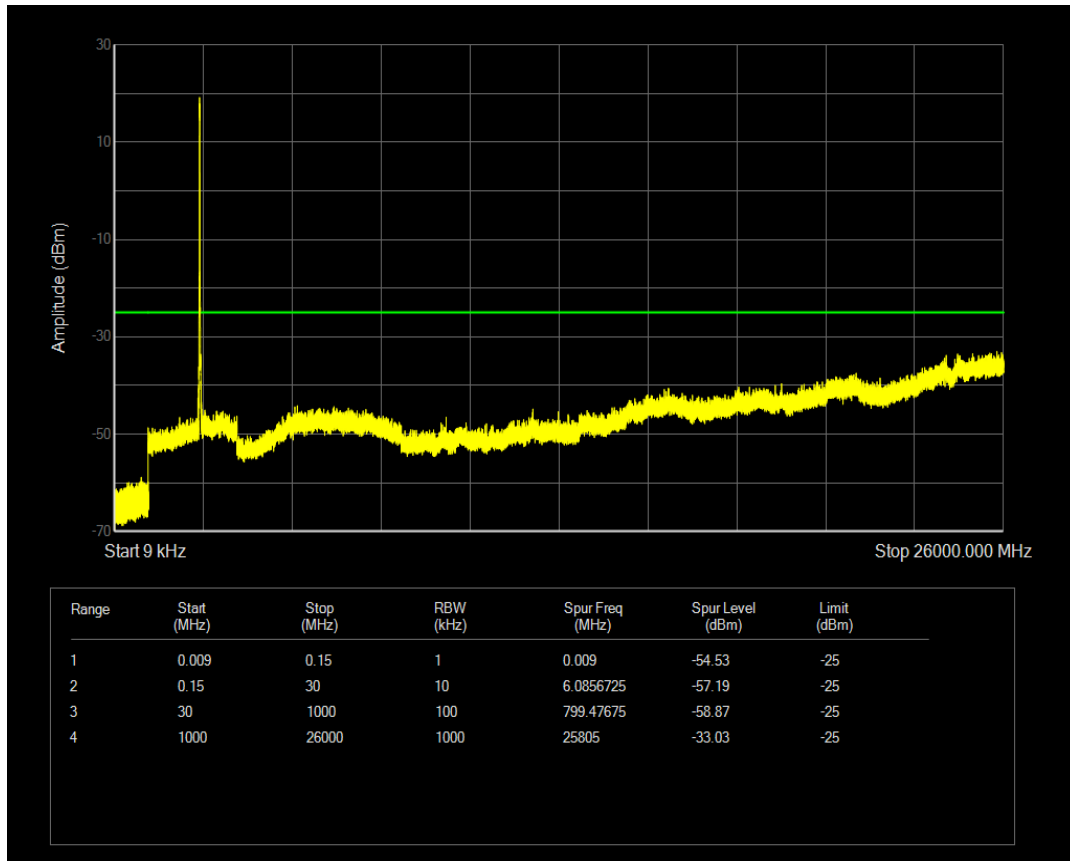


Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

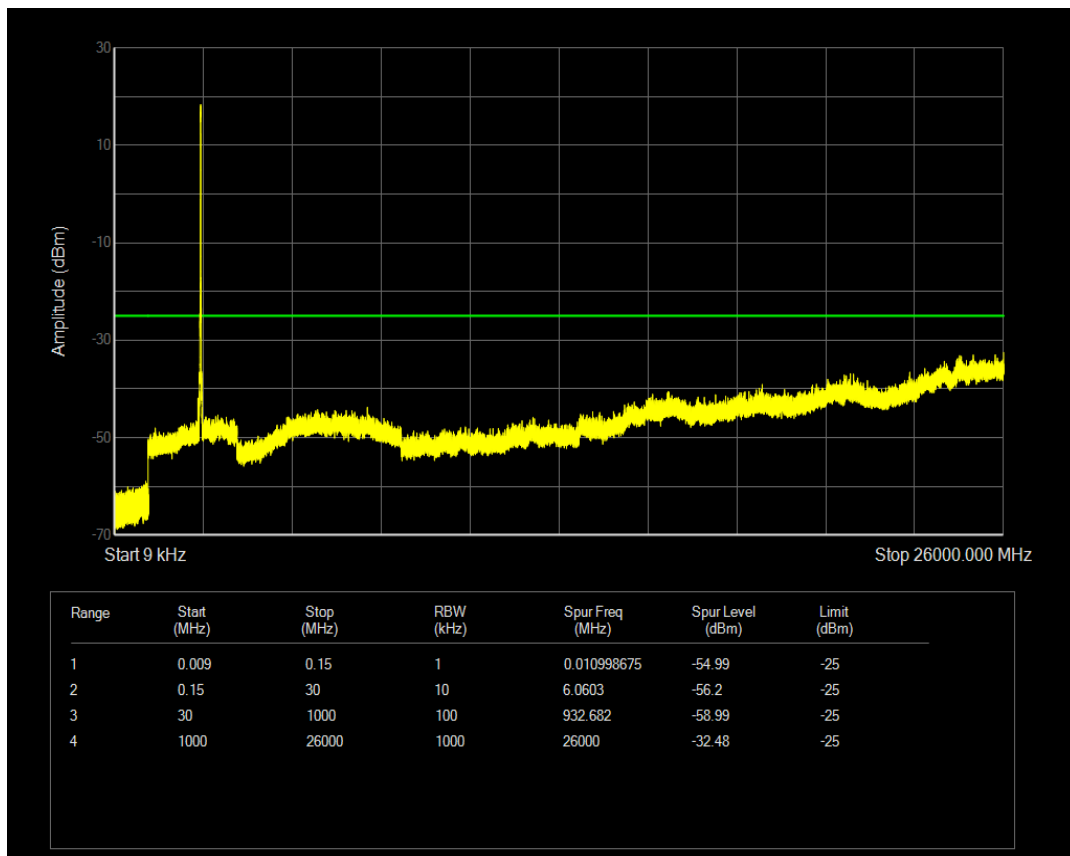




Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0

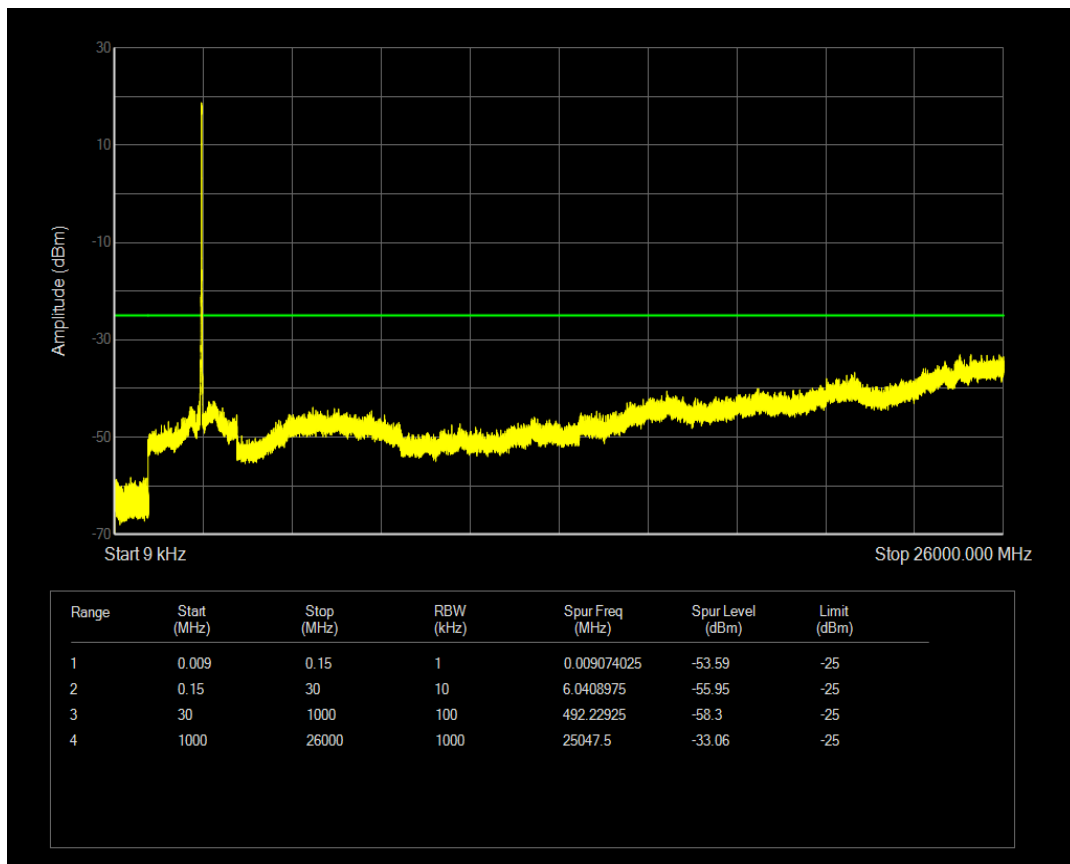


Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0

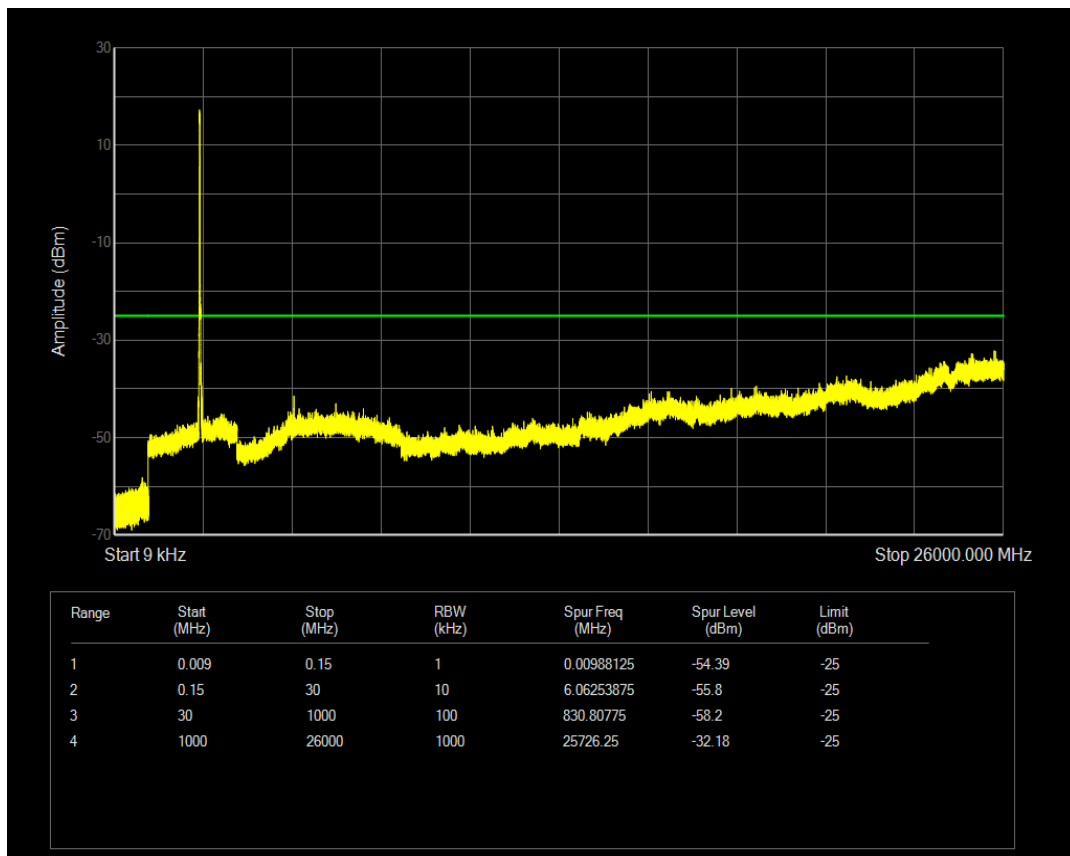




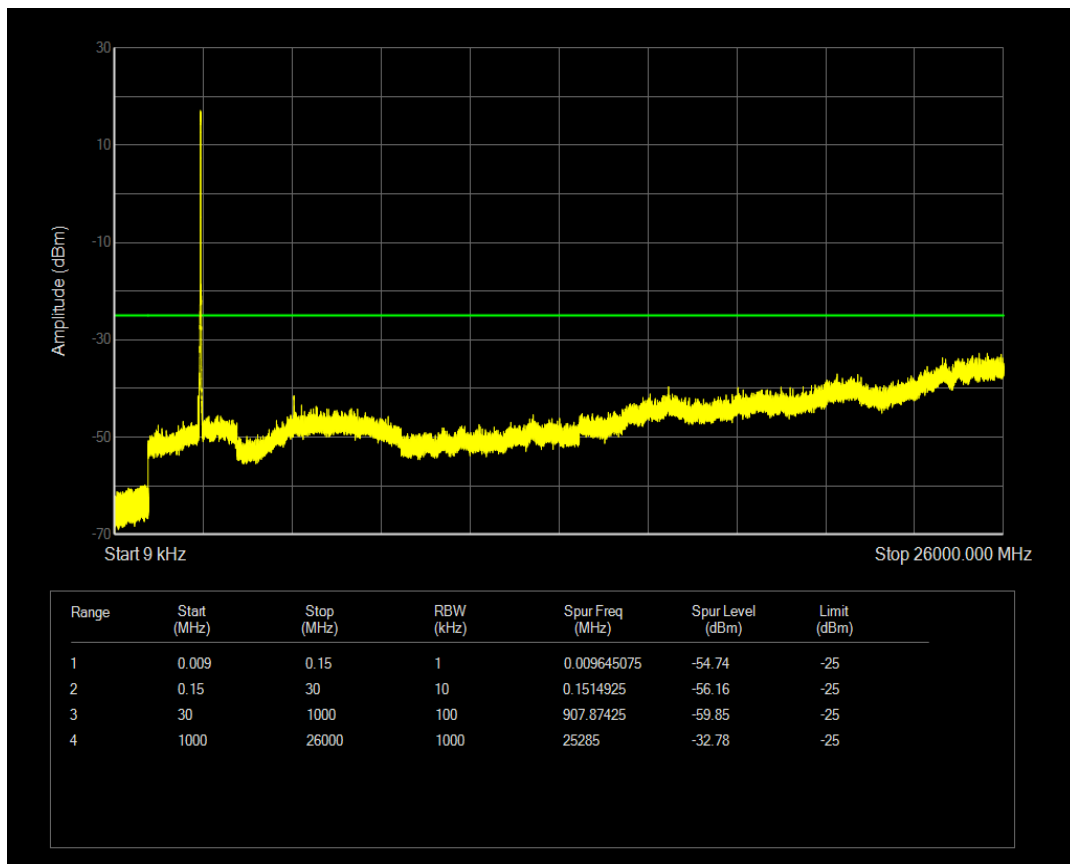
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0



Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0



Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0

