

Appendix for Band 7

Report No.: BCTC2408767493-2E

Applicant: Shenzhen Minew Technologies Co., Ltd.

Product Name: Tiny LTE Cellular Gateway

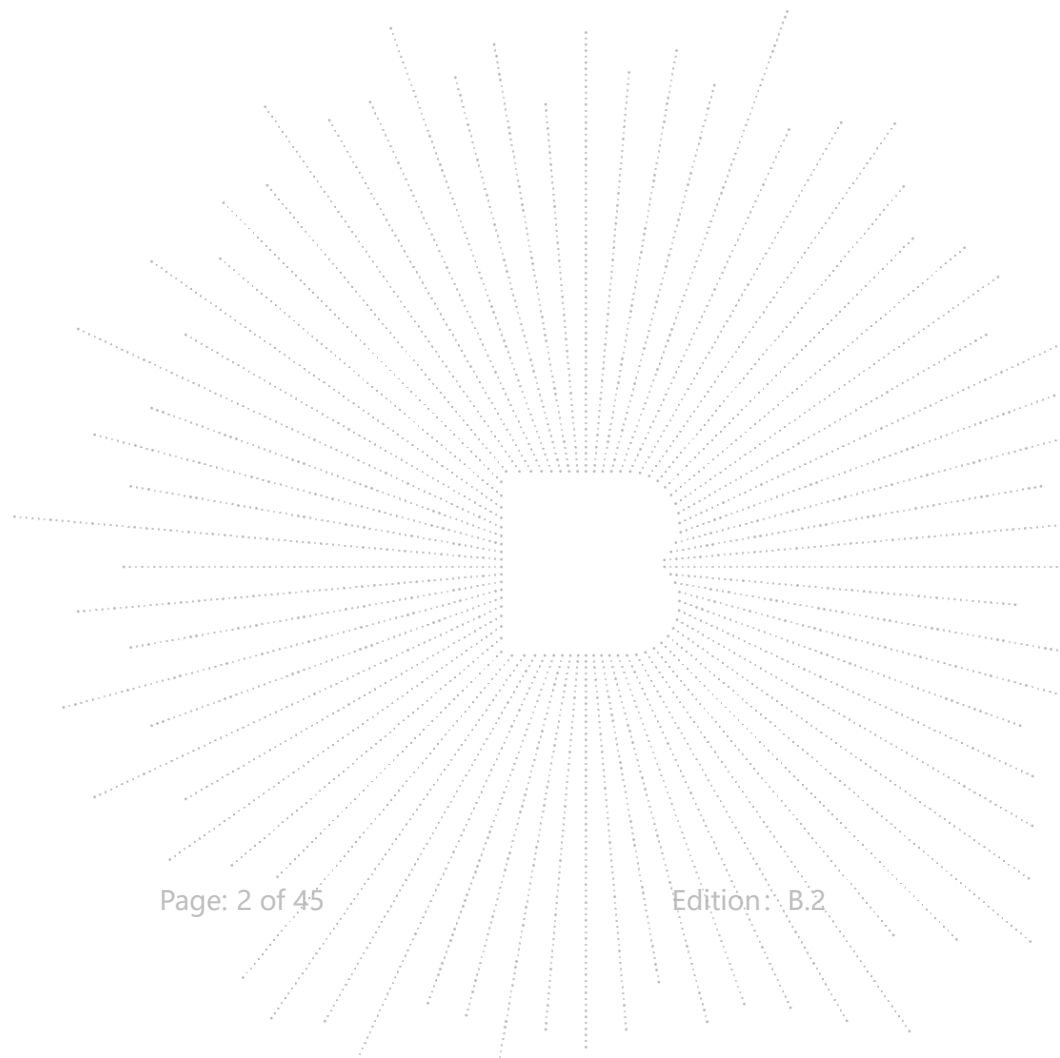
Test Model: MG8

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

Shenzhen BCTC Testing Co., Ltd.

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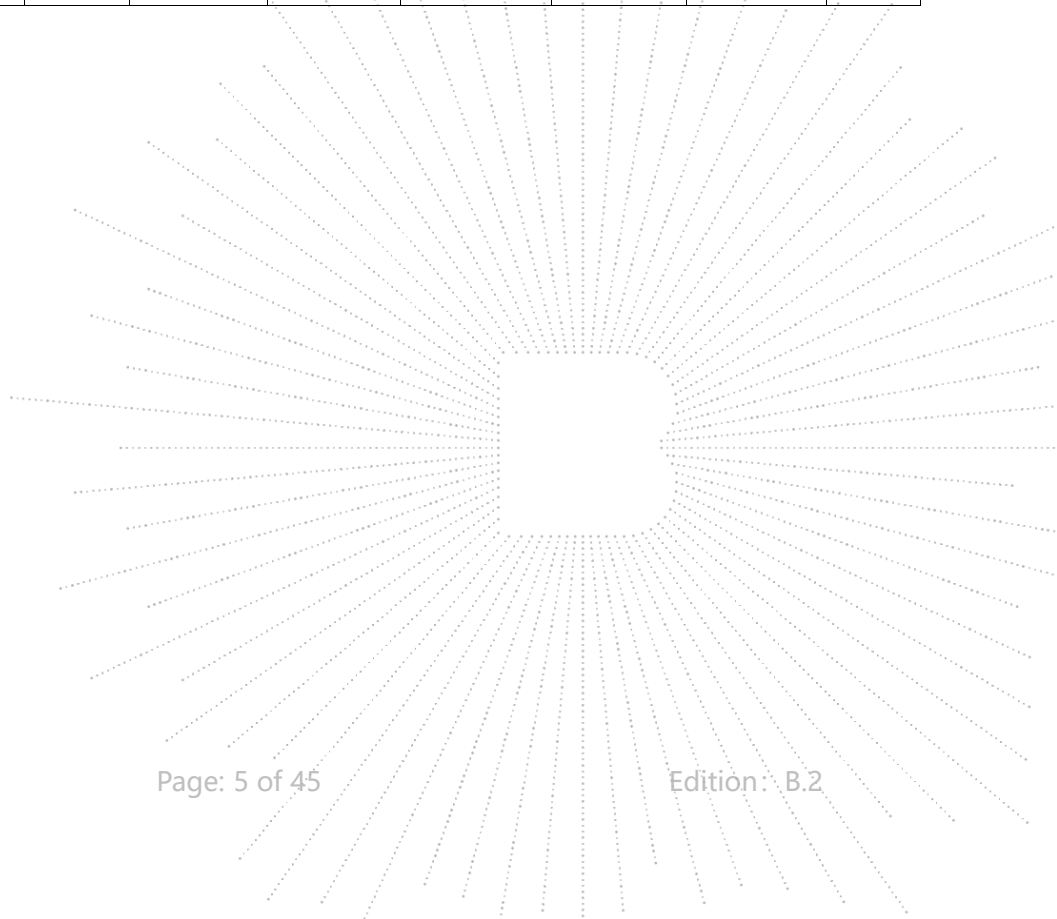
Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power

Measurement

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band7	5	20775	1	#0	QPSK	21.18	0.13	21.31	PASS
Band7	5	20775	1	#Mid	QPSK	21.44	0.13	21.57	PASS
Band7	5	20775	1	#Max	QPSK	21.75	0.13	21.88	PASS
Band7	5	20775	12	#0	QPSK	20.52	0.13	20.65	PASS
Band7	5	20775	12	#Mid	QPSK	20.59	0.13	20.72	PASS
Band7	5	20775	12	#Max	QPSK	20.76	0.13	20.89	PASS
Band7	5	20775	25	#0	QPSK	20.63	0.13	20.76	PASS
Band7	5	20775	1	#0	16QAM	20.67	0.13	20.80	PASS
Band7	5	20775	1	#Mid	16QAM	20.99	0.13	21.12	PASS
Band7	5	20775	1	#Max	16QAM	21.29	0.13	21.42	PASS
Band7	5	20775	12	#0	16QAM	19.62	0.13	19.75	PASS
Band7	5	20775	12	#Mid	16QAM	19.69	0.13	19.82	PASS
Band7	5	20775	12	#Max	16QAM	19.84	0.13	19.97	PASS
Band7	5	20775	25	#0	16QAM	19.80	0.13	19.93	PASS
Band7	5	21100	1	#0	QPSK	20.26	0.13	20.39	PASS
Band7	5	21100	1	#Mid	QPSK	20.17	0.13	20.30	PASS
Band7	5	21100	1	#Max	QPSK	20.15	0.13	20.28	PASS
Band7	5	21100	12	#0	QPSK	19.22	0.13	19.35	PASS
Band7	5	21100	12	#Mid	QPSK	19.21	0.13	19.34	PASS
Band7	5	21100	12	#Max	QPSK	19.20	0.13	19.33	PASS
Band7	5	21100	25	#0	QPSK	19.21	0.13	19.34	PASS
Band7	5	21100	1	#0	16QAM	19.38	0.13	19.51	PASS
Band7	5	21100	1	#Mid	16QAM	19.34	0.13	19.47	PASS
Band7	5	21100	1	#Max	16QAM	19.36	0.13	19.49	PASS
Band7	5	21100	12	#0	16QAM	18.33	0.13	18.46	PASS
Band7	5	21100	12	#Mid	16QAM	18.31	0.13	18.44	PASS
Band7	5	21100	12	#Max	16QAM	18.30	0.13	18.43	PASS
Band7	5	21100	25	#0	16QAM	18.34	0.13	18.47	PASS
Band7	5	21425	1	#0	QPSK	20.42	0.13	20.55	PASS
Band7	5	21425	1	#Mid	QPSK	20.22	0.13	20.35	PASS
Band7	5	21425	1	#Max	QPSK	20.08	0.13	20.21	PASS
Band7	5	21425	12	#0	QPSK	19.43	0.13	19.56	PASS
Band7	5	21425	12	#Mid	QPSK	19.36	0.13	19.49	PASS
Band7	5	21425	12	#Max	QPSK	19.25	0.13	19.38	PASS
Band7	5	21425	25	#0	QPSK	19.35	0.13	19.48	PASS
Band7	5	21425	1	#0	16QAM	19.97	0.13	20.10	PASS

Band7	5	21425	1	#Mid	16QAM	19.80	0.13	19.93	PASS
Band7	5	21425	1	#Max	16QAM	19.66	0.13	19.79	PASS
Band7	5	21425	12	#0	16QAM	18.48	0.13	18.61	PASS
Band7	5	21425	12	#Mid	16QAM	18.42	0.13	18.55	PASS
Band7	5	21425	12	#Max	16QAM	18.30	0.13	18.43	PASS
Band7	5	21425	25	#0	16QAM	18.44	0.13	18.57	PASS
Band7	10	20800	1	#0	QPSK	21.28	0.13	21.41	PASS
Band7	10	20800	1	#Mid	QPSK	21.72	0.13	21.85	PASS
Band7	10	20800	1	#Max	QPSK	21.98	0.13	22.11	PASS
Band7	10	20800	25	#0	QPSK	20.54	0.13	20.67	PASS
Band7	10	20800	25	#Mid	QPSK	20.70	0.13	20.83	PASS
Band7	10	20800	25	#Max	QPSK	20.86	0.13	20.99	PASS
Band7	10	20800	50	#0	QPSK	20.71	0.13	20.84	PASS
Band7	10	21100	1	#0	QPSK	19.90	0.13	20.03	PASS
Band7	10	21100	1	#Mid	QPSK	19.73	0.13	19.86	PASS
Band7	10	21100	1	#Max	QPSK	19.80	0.13	19.93	PASS
Band7	10	21100	25	#0	QPSK	18.87	0.13	19.00	PASS
Band7	10	21100	25	#Mid	QPSK	18.88	0.13	19.01	PASS
Band7	10	21100	25	#Max	QPSK	18.89	0.13	19.02	PASS
Band7	10	21100	50	#0	QPSK	18.89	0.13	19.02	PASS
Band7	10	21400	1	#0	QPSK	20.83	0.13	20.96	PASS
Band7	10	21400	1	#Mid	QPSK	20.16	0.13	20.29	PASS
Band7	10	21400	1	#Max	QPSK	19.92	0.13	20.05	PASS
Band7	10	21400	25	#0	QPSK	19.41	0.13	19.54	PASS
Band7	10	21400	25	#Mid	QPSK	19.19	0.13	19.32	PASS
Band7	10	21400	25	#Max	QPSK	19.00	0.13	19.13	PASS
Band7	10	21400	50	#0	QPSK	19.23	0.13	19.36	PASS
Band7	15	20825	1	#0	QPSK	21.06	0.13	21.19	PASS
Band7	15	20825	1	#Mid	QPSK	21.59	0.13	21.72	PASS
Band7	15	20825	1	#Max	QPSK	21.55	0.13	21.68	PASS
Band7	15	20825	36	#0	QPSK	20.46	0.13	20.59	PASS
Band7	15	20825	36	#Mid	QPSK	20.68	0.13	20.81	PASS
Band7	15	20825	36	#Max	QPSK	20.82	0.13	20.95	PASS
Band7	15	20825	75	#0	QPSK	21.46	0.13	21.59	PASS
Band7	15	21100	1	#0	QPSK	20.69	0.13	20.82	PASS
Band7	15	21100	1	#Mid	QPSK	20.20	0.13	20.33	PASS
Band7	15	21100	1	#Max	QPSK	20.40	0.13	20.53	PASS
Band7	15	21100	36	#0	QPSK	19.30	0.13	19.43	PASS
Band7	15	21100	36	#Mid	QPSK	19.17	0.13	19.30	PASS
Band7	15	21100	36	#Max	QPSK	19.18	0.13	19.31	PASS
Band7	15	21100	75	#0	QPSK	20.14	0.13	20.27	PASS
Band7	15	21375	1	#0	QPSK	22.07	0.13	22.20	PASS
Band7	15	21375	1	#Mid	QPSK	21.26	0.13	21.39	PASS

Band7	15	21375	1	#Max	QPSK	20.53	0.13	20.66	PASS
Band7	15	21375	36	#0	QPSK	20.76	0.13	20.89	PASS
Band7	15	21375	36	#Mid	QPSK	20.48	0.13	20.61	PASS
Band7	15	21375	36	#Max	QPSK	19.98	0.13	20.11	PASS
Band7	15	21375	75	#0	QPSK	21.22	0.13	21.35	PASS
Band7	20	20850	1	#0	QPSK	21.37	0.13	21.50	PASS
Band7	20	20850	1	#Mid	QPSK	22.30	0.13	22.43	PASS
Band7	20	20850	1	#Max	QPSK	21.96	0.13	22.09	PASS
Band7	20	20850	50	#0	QPSK	21.10	0.13	21.23	PASS
Band7	20	20850	50	#Mid	QPSK	21.49	0.13	21.62	PASS
Band7	20	20850	50	#Max	QPSK	21.55	0.13	21.68	PASS
Band7	20	20850	100	#0	QPSK	21.75	0.13	21.88	PASS
Band7	20	21100	1	#0	QPSK	21.51	0.13	21.64	PASS
Band7	20	21100	1	#Mid	QPSK	20.68	0.13	20.81	PASS
Band7	20	21100	1	#Max	QPSK	21.00	0.13	21.13	PASS
Band7	20	21100	50	#0	QPSK	19.87	0.13	20.00	PASS
Band7	20	21100	50	#Mid	QPSK	19.66	0.13	19.79	PASS
Band7	20	21100	50	#Max	QPSK	19.73	0.13	19.86	PASS
Band7	20	21100	100	#0	QPSK	20.97	0.13	21.10	PASS
Band7	20	21350	1	#0	QPSK	21.92	0.13	22.05	PASS
Band7	20	21350	1	#Mid	QPSK	21.52	0.13	21.65	PASS
Band7	20	21350	1	#Max	QPSK	20.44	0.13	20.57	PASS
Band7	20	21350	50	#0	QPSK	20.95	0.13	21.08	PASS
Band7	20	21350	50	#Mid	QPSK	20.65	0.13	20.78	PASS
Band7	20	21350	50	#Max	QPSK	20.06	0.13	20.19	PASS
Band7	20	21350	100	#0	QPSK	21.03	0.13	21.16	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	-12.63	-0.005	PASS
Band7	5	20775	25	#0	QPSK	NV	NT	-15.38	-0.006	PASS
Band7	5	20775	25	#0	QPSK	HV	NT	-13.72	-0.005	PASS
Band7	5	20775	25	#0	16QAM	LV	NT	-12.47	-0.005	PASS
Band7	5	20775	25	#0	16QAM	NV	NT	-13.49	-0.005	PASS
Band7	5	20775	25	#0	16QAM	HV	NT	-13.20	-0.005	PASS
Band7	5	21100	25	#0	QPSK	LV	NT	-15.26	-0.006	PASS
Band7	5	21100	25	#0	QPSK	NV	NT	-14.65	-0.006	PASS
Band7	5	21100	25	#0	QPSK	HV	NT	-14.42	-0.006	PASS
Band7	5	21100	25	#0	16QAM	LV	NT	-14.91	-0.006	PASS
Band7	5	21100	25	#0	16QAM	NV	NT	-15.46	-0.006	PASS
Band7	5	21100	25	#0	16QAM	HV	NT	-13.82	-0.005	PASS
Band7	5	21425	25	#0	QPSK	LV	NT	-4.96	-0.002	PASS
Band7	5	21425	25	#0	QPSK	NV	NT	-7.64	-0.003	PASS
Band7	5	21425	25	#0	QPSK	HV	NT	-7.22	-0.003	PASS
Band7	5	21425	25	#0	16QAM	LV	NT	-6.58	-0.003	PASS
Band7	5	21425	25	#0	16QAM	NV	NT	-6.94	-0.003	PASS
Band7	5	21425	25	#0	16QAM	HV	NT	-7.22	-0.003	PASS
Band7	10	20800	50	#0	QPSK	LV	NT	-3.66	-0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	NT	-5.44	-0.002	PASS
Band7	10	20800	50	#0	QPSK	HV	NT	-3.50	-0.001	PASS
Band7	10	21100	50	#0	QPSK	LV	NT	-7.54	-0.003	PASS
Band7	10	21100	50	#0	QPSK	NV	NT	-7.57	-0.003	PASS
Band7	10	21100	50	#0	QPSK	HV	NT	-6.54	-0.003	PASS
Band7	10	21400	50	#0	QPSK	LV	NT	-6.45	-0.003	PASS
Band7	10	21400	50	#0	QPSK	NV	NT	-6.47	-0.003	PASS
Band7	10	21400	50	#0	QPSK	HV	NT	-7.91	-0.003	PASS
Band7	15	20825	75	#0	QPSK	LV	NT	-3.26	-0.001	PASS
Band7	15	20825	75	#0	QPSK	NV	NT	-5.41	-0.002	PASS
Band7	15	20825	75	#0	QPSK	HV	NT	-4.89	-0.002	PASS
Band7	15	21100	75	#0	QPSK	LV	NT	-7.17	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	NT	-5.69	-0.002	PASS
Band7	15	21100	75	#0	QPSK	HV	NT	-6.91	-0.003	PASS
Band7	15	21375	75	#0	QPSK	LV	NT	-6.97	-0.003	PASS
Band7	15	21375	75	#0	QPSK	NV	NT	-4.18	-0.002	PASS
Band7	15	21375	75	#0	QPSK	HV	NT	-4.51	-0.002	PASS
Band7	20	20850	100	#0	QPSK	LV	NT	-3.75	-0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	NT	-3.40	-0.001	PASS

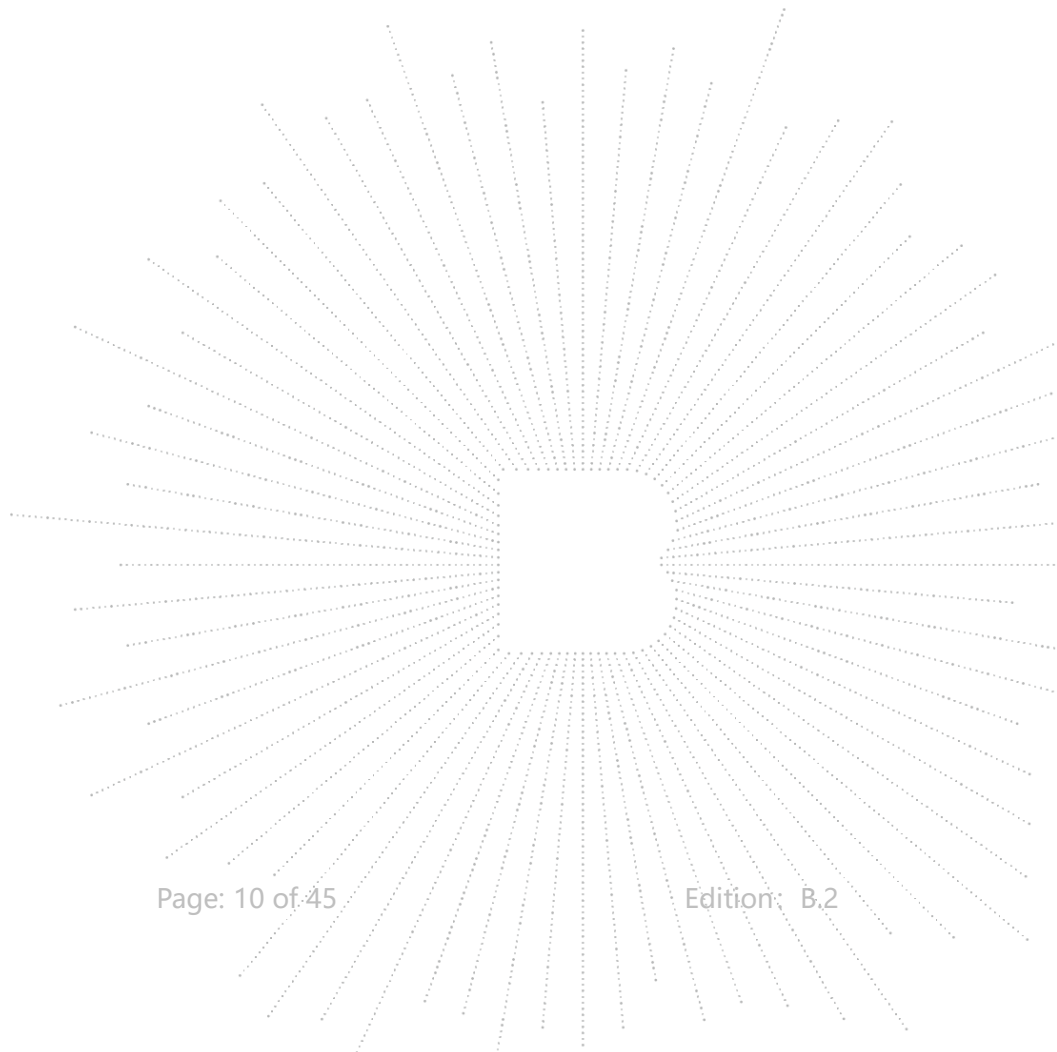
Band7	20	20850	100	#0	QPSK	HV	NT	-4.21	-0.002	PASS
Band7	20	21100	100	#0	QPSK	LV	NT	-3.36	-0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	NT	-3.13	-0.001	PASS
Band7	20	21100	100	#0	QPSK	HV	NT	-4.68	-0.002	PASS
Band7	20	21350	100	#0	QPSK	LV	NT	-3.26	-0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	NT	-4.03	-0.002	PASS
Band7	20	21350	100	#0	QPSK	HV	NT	-3.63	-0.001	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	2.92	0.001	PASS
Band7	5	20775	25	#0	QPSK	NV	-20	2.98	0.001	PASS
Band7	5	20775	25	#0	QPSK	NV	-10	3.72	0.001	PASS
Band7	5	20775	25	#0	QPSK	NV	0	4.41	0.002	PASS
Band7	5	20775	25	#0	QPSK	NV	10	1.87	0.001	PASS
Band7	5	20775	25	#0	QPSK	NV	20	5.19	0.002	PASS
Band7	5	20775	25	#0	QPSK	NV	30	2.73	0.001	PASS
Band7	5	20775	25	#0	QPSK	NV	40	-0.80	0.000	PASS
Band7	5	20775	25	#0	QPSK	NV	50	0.29	0.000	PASS
Band7	5	20775	25	#0	16QAM	NV	-30	3.83	0.002	PASS
Band7	5	20775	25	#0	16QAM	NV	-20	2.19	0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	-10	2.59	0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	0	1.52	0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	10	3.03	0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	20	2.40	0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	30	-0.30	0.000	PASS
Band7	5	20775	25	#0	16QAM	NV	40	2.05	0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	50	2.92	0.001	PASS
Band7	5	21100	25	#0	QPSK	NV	-30	-1.03	0.000	PASS
Band7	5	21100	25	#0	QPSK	NV	-20	0.24	0.000	PASS
Band7	5	21100	25	#0	QPSK	NV	-10	-0.33	0.000	PASS
Band7	5	21100	25	#0	QPSK	NV	0	-0.39	0.000	PASS
Band7	5	21100	25	#0	QPSK	NV	10	1.70	0.001	PASS
Band7	5	21100	25	#0	QPSK	NV	20	1.89	0.001	PASS
Band7	5	21100	25	#0	QPSK	NV	30	0.70	0.000	PASS
Band7	5	21100	25	#0	QPSK	NV	40	0.31	0.000	PASS
Band7	5	21100	25	#0	QPSK	NV	50	0.99	0.000	PASS
Band7	5	21100	25	#0	16QAM	NV	-30	2.20	0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	-20	1.93	0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	-10	2.32	0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	0	2.36	0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	10	1.49	0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	20	0.01	0.000	PASS

Band7	5	21100	25	#0	16QAM	NV	30	0.29	0.000	PASS
Band7	5	21100	25	#0	16QAM	NV	40	1.75	0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	50	0.17	0.000	PASS
Band7	5	21425	25	#0	QPSK	NV	-30	-0.39	0.000	PASS
Band7	5	21425	25	#0	QPSK	NV	-20	-0.16	0.000	PASS
Band7	5	21425	25	#0	QPSK	NV	-10	0.41	0.000	PASS
Band7	5	21425	25	#0	QPSK	NV	0	1.23	0.000	PASS
Band7	5	21425	25	#0	QPSK	NV	10	0.20	0.000	PASS
Band7	5	21425	25	#0	QPSK	NV	20	-0.63	0.000	PASS
Band7	5	21425	25	#0	QPSK	NV	30	1.39	0.001	PASS
Band7	5	21425	25	#0	QPSK	NV	40	1.50	0.001	PASS
Band7	5	21425	25	#0	QPSK	NV	50	2.85	0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	-30	1.16	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	-20	-0.66	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	-10	1.23	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	0	1.37	0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	10	1.24	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	20	0.74	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	30	1.65	0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	40	-1.06	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	50	-0.09	0.000	PASS
Band7	10	20800	50	#0	QPSK	NV	-30	-1.73	-0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	-20	2.86	0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	-10	0.74	0.000	PASS
Band7	10	20800	50	#0	QPSK	NV	0	2.36	0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	10	2.13	0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	20	3.65	0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	30	2.02	0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	40	1.17	0.000	PASS
Band7	10	20800	50	#0	QPSK	NV	50	1.20	0.000	PASS
Band7	10	21100	50	#0	QPSK	NV	-30	-1.47	-0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	-20	0.41	0.000	PASS
Band7	10	21100	50	#0	QPSK	NV	-10	3.09	0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	0	1.89	0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	10	1.56	0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	20	2.85	0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	30	2.12	0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	40	0.82	0.000	PASS
Band7	10	21100	50	#0	QPSK	NV	50	2.27	0.001	PASS
Band7	10	21400	50	#0	QPSK	NV	-30	1.07	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	-20	0.54	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	-10	0.72	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	0	0.39	0.000	PASS

Band7	10	21400	50	#0	QPSK	NV	10	1.90	0.001	PASS
Band7	10	21400	50	#0	QPSK	NV	20	0.79	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	30	-0.03	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	40	-0.04	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	50	1.86	0.001	PASS
Band7	15	20825	75	#0	QPSK	NV	-30	0.96	0.000	PASS
Band7	15	20825	75	#0	QPSK	NV	-20	3.65	0.001	PASS
Band7	15	20825	75	#0	QPSK	NV	-10	3.29	0.001	PASS
Band7	15	20825	75	#0	QPSK	NV	0	4.68	0.002	PASS
Band7	15	20825	75	#0	QPSK	NV	10	2.50	0.001	PASS
Band7	15	20825	75	#0	QPSK	NV	20	1.97	0.001	PASS
Band7	15	20825	75	#0	QPSK	NV	30	0.92	0.000	PASS
Band7	15	20825	75	#0	QPSK	NV	40	2.73	0.001	PASS
Band7	15	20825	75	#0	QPSK	NV	50	5.51	0.002	PASS
Band7	15	21100	75	#0	QPSK	NV	-30	1.37	0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	-20	3.63	0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	-10	2.75	0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	0	3.25	0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	10	1.54	0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	20	1.95	0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	30	1.53	0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	40	0.72	0.000	PASS
Band7	15	21100	75	#0	QPSK	NV	50	1.03	0.000	PASS
Band7	15	21375	75	#0	QPSK	NV	-30	2.85	0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	-20	3.35	0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	-10	0.13	0.000	PASS
Band7	15	21375	75	#0	QPSK	NV	0	5.15	0.002	PASS
Band7	15	21375	75	#0	QPSK	NV	10	3.48	0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	20	1.56	0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	30	1.19	0.000	PASS
Band7	15	21375	75	#0	QPSK	NV	40	1.19	0.000	PASS
Band7	15	21375	75	#0	QPSK	NV	50	2.75	0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	-30	-4.23	-0.002	PASS
Band7	20	20850	100	#0	QPSK	NV	-20	-0.94	0.000	PASS
Band7	20	20850	100	#0	QPSK	NV	-10	-0.86	0.000	PASS
Band7	20	20850	100	#0	QPSK	NV	0	-1.16	0.000	PASS
Band7	20	20850	100	#0	QPSK	NV	10	-1.16	0.000	PASS
Band7	20	20850	100	#0	QPSK	NV	20	-0.79	0.000	PASS
Band7	20	20850	100	#0	QPSK	NV	30	-4.28	-0.002	PASS
Band7	20	20850	100	#0	QPSK	NV	40	-2.15	-0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	50	1.20	0.000	PASS
Band7	20	21100	100	#0	QPSK	NV	-30	1.29	0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	-20	1.85	0.001	PASS

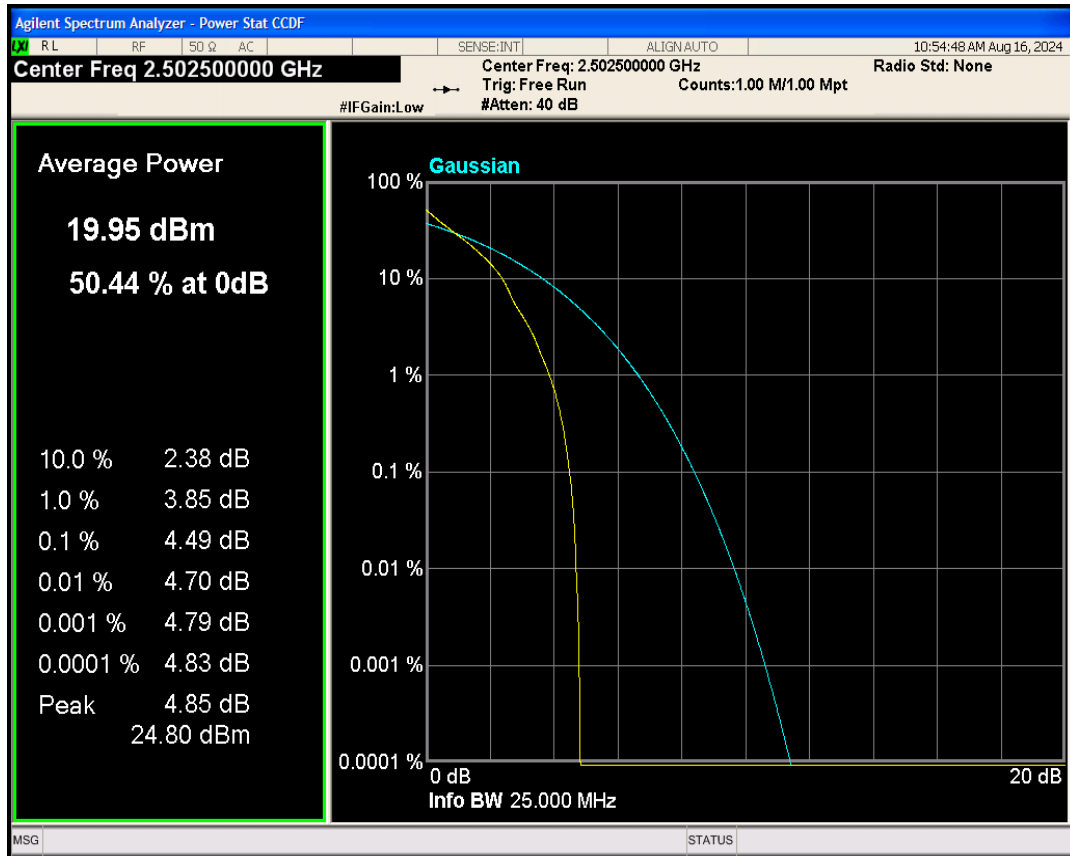
Band7	20	21100	100	#0	QPSK	NV	-10	1.30	0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	0	1.53	0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	10	2.83	0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	20	1.33	0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	30	1.54	0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	40	2.72	0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	50	2.89	0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	-30	2.15	0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	-20	1.00	0.000	PASS
Band7	20	21350	100	#0	QPSK	NV	-10	1.49	0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	0	1.39	0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	10	2.79	0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	20	3.25	0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	30	0.19	0.000	PASS
Band7	20	21350	100	#0	QPSK	NV	40	2.55	0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	50	2.52	0.001	PASS



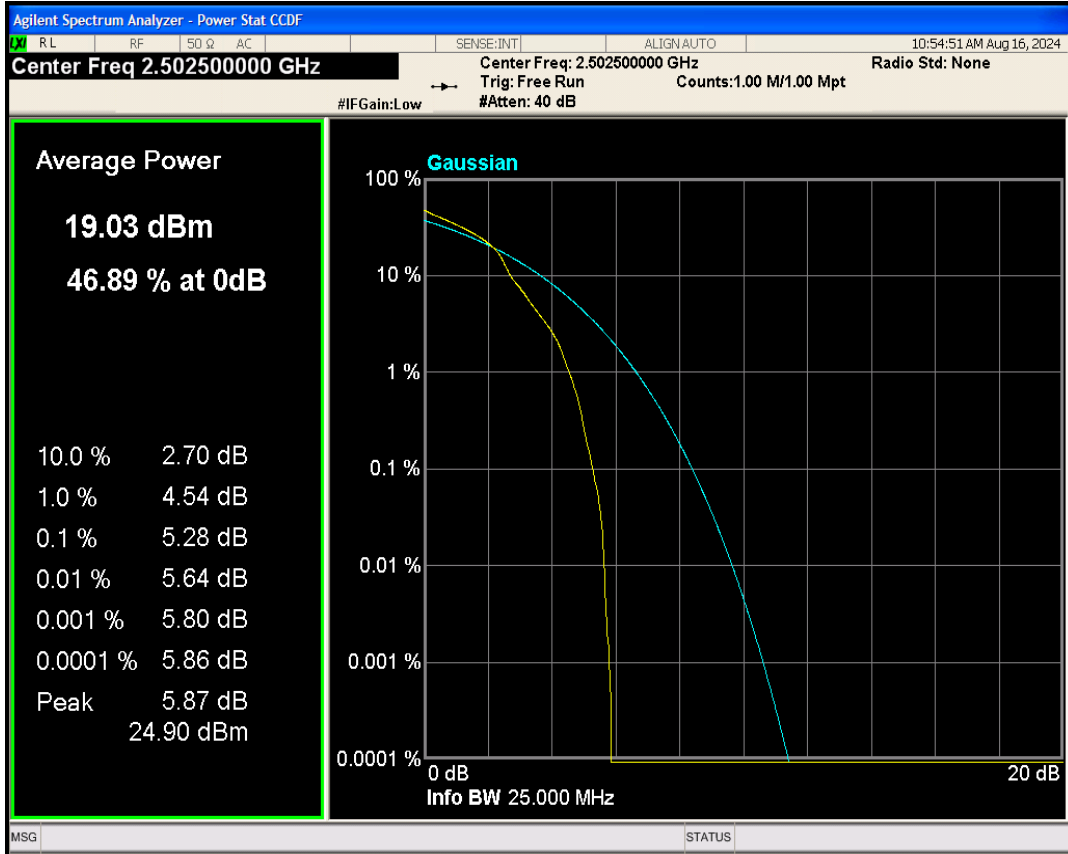
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band7	5	20775	1	#0	QPSK	4.49	13	PASS
Band7	5	20775	1	#0	16QAM	5.28	13	PASS
Band7	5	21100	1	#0	QPSK	4.72	13	PASS
Band7	5	21100	1	#0	16QAM	5.49	13	PASS
Band7	5	21425	1	#0	QPSK	4.67	13	PASS
Band7	5	21425	1	#0	16QAM	5.14	13	PASS
Band7	10	20800	1	#0	QPSK	4.09	13	PASS
Band7	10	21100	1	#0	QPSK	4.65	13	PASS
Band7	10	21400	1	#0	QPSK	3.96	13	PASS
Band7	15	20825	1	#0	QPSK	3.87	13	PASS
Band7	15	21100	1	#0	QPSK	4.40	13	PASS
Band7	15	21375	1	#0	QPSK	2.86	13	PASS
Band7	20	20850	1	#0	QPSK	3.83	13	PASS
Band7	20	21100	1	#0	QPSK	4.04	13	PASS
Band7	20	21350	1	#0	QPSK	3.02	13	PASS

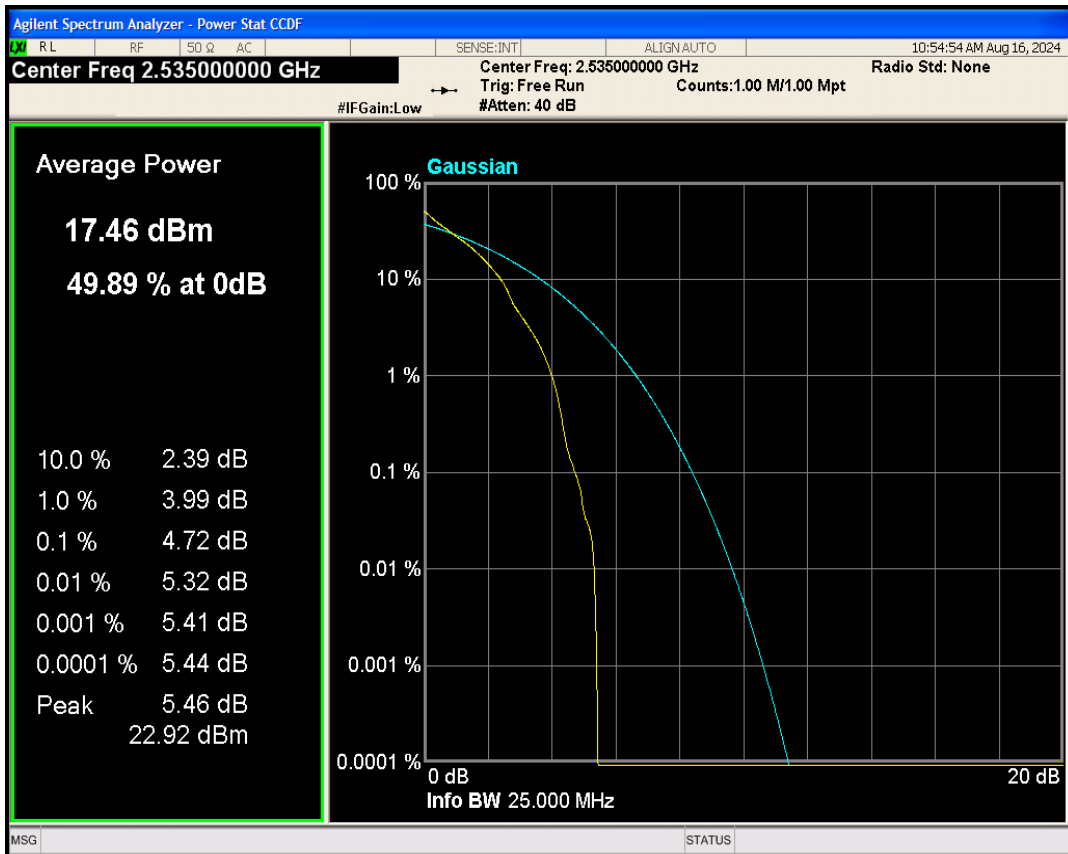
Band7 QPSK BW=5MHz Channel=20775 RB Size=1 Position=#0



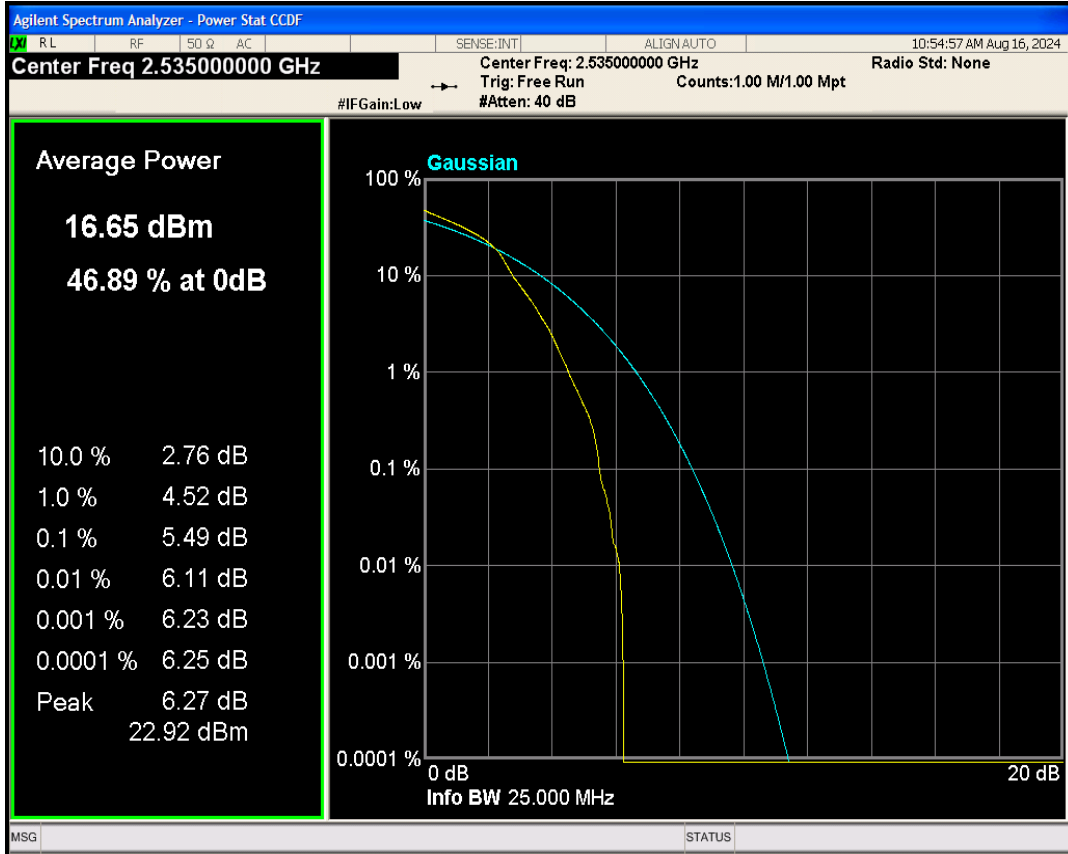
Band7 16QAM BW=5MHz Channel=20775 RB Size=1 Position=#0



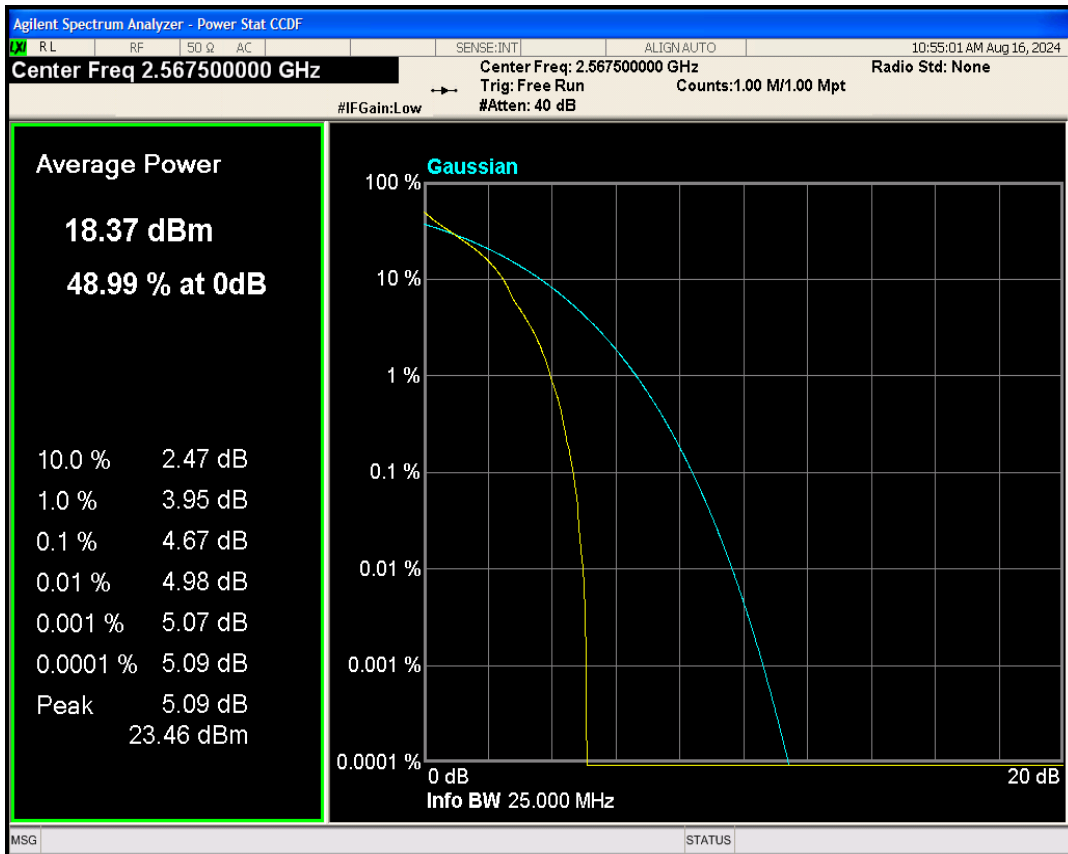
Band7 QPSK BW=5MHz Channel=21100 RB Size=1 Position=#0



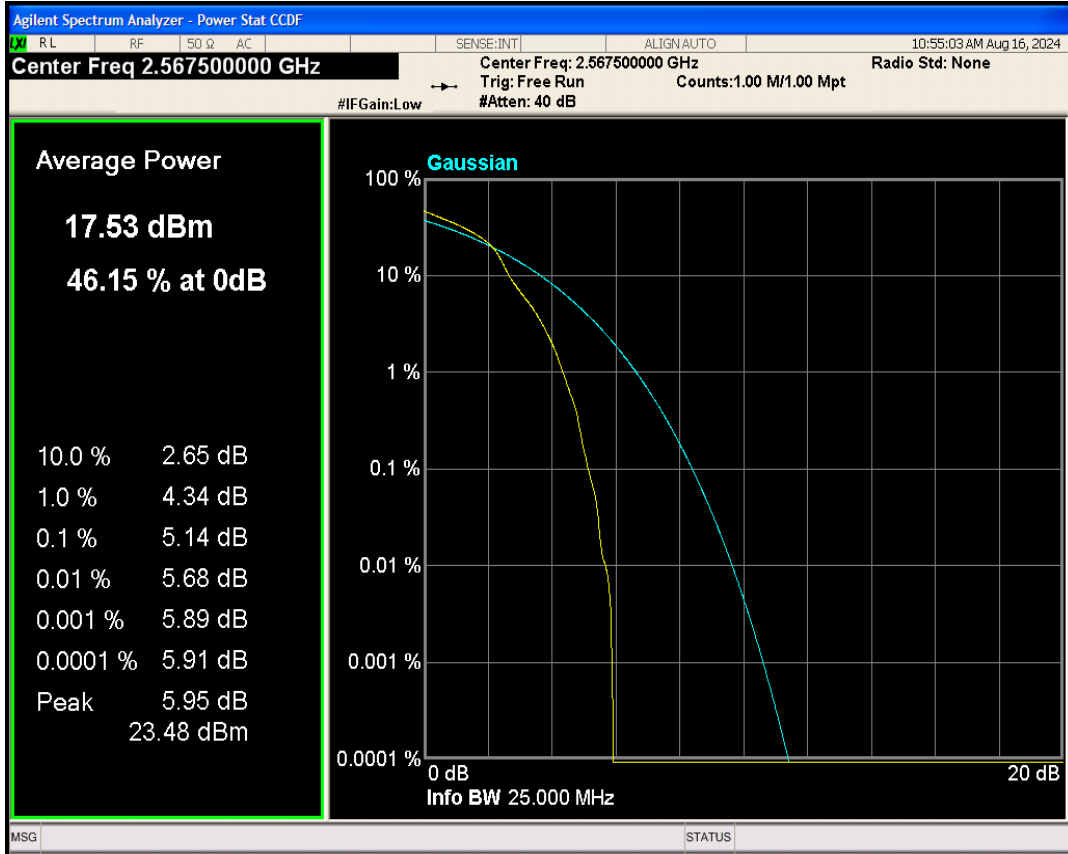
Band7 16QAM BW=5MHz Channel=21100 RB Size=1 Position=#0



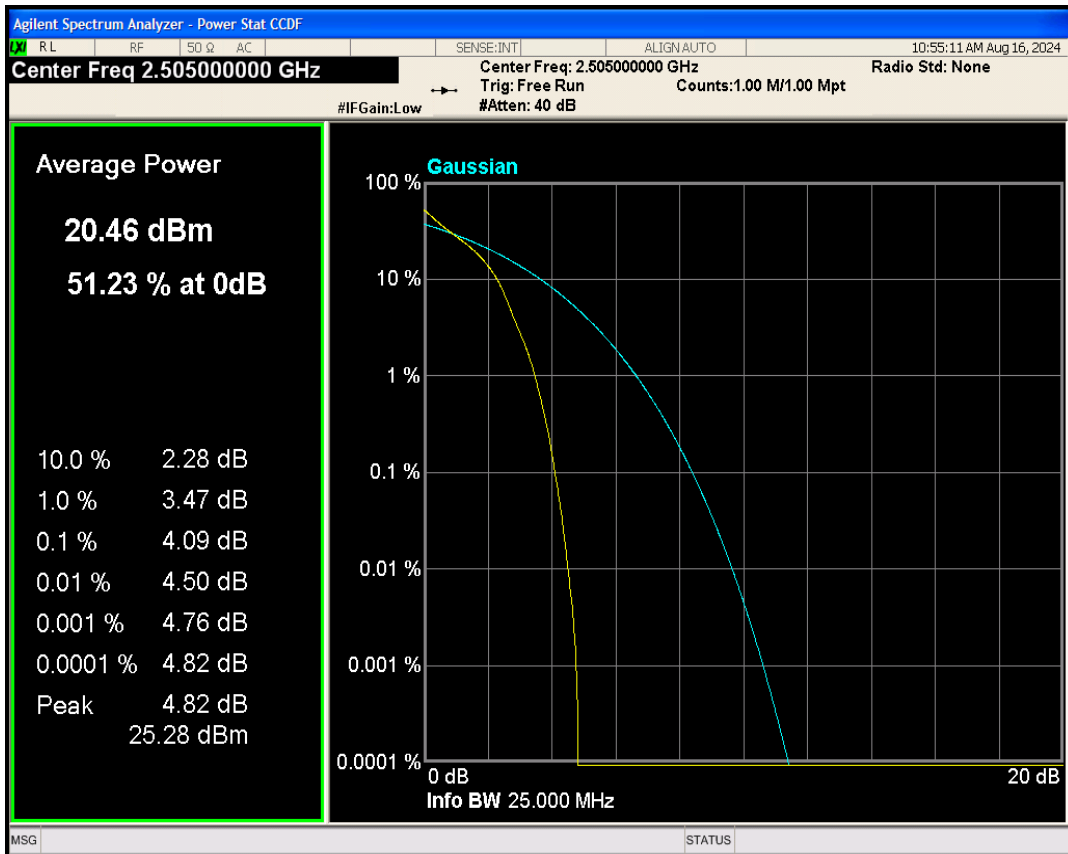
Band7 QPSK BW=5MHz Channel=21425 RB Size=1 Position=#0



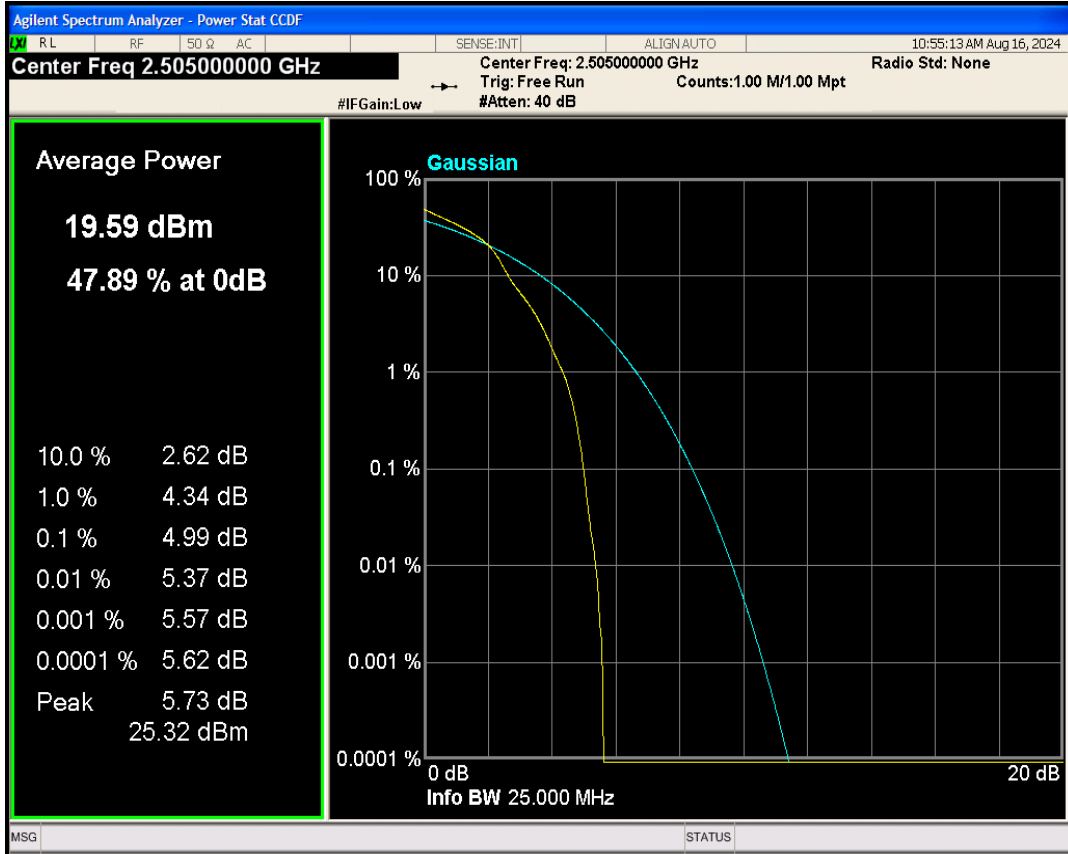
Band7 16QAM BW=5MHz Channel=21425 RB Size=1 Position=#0



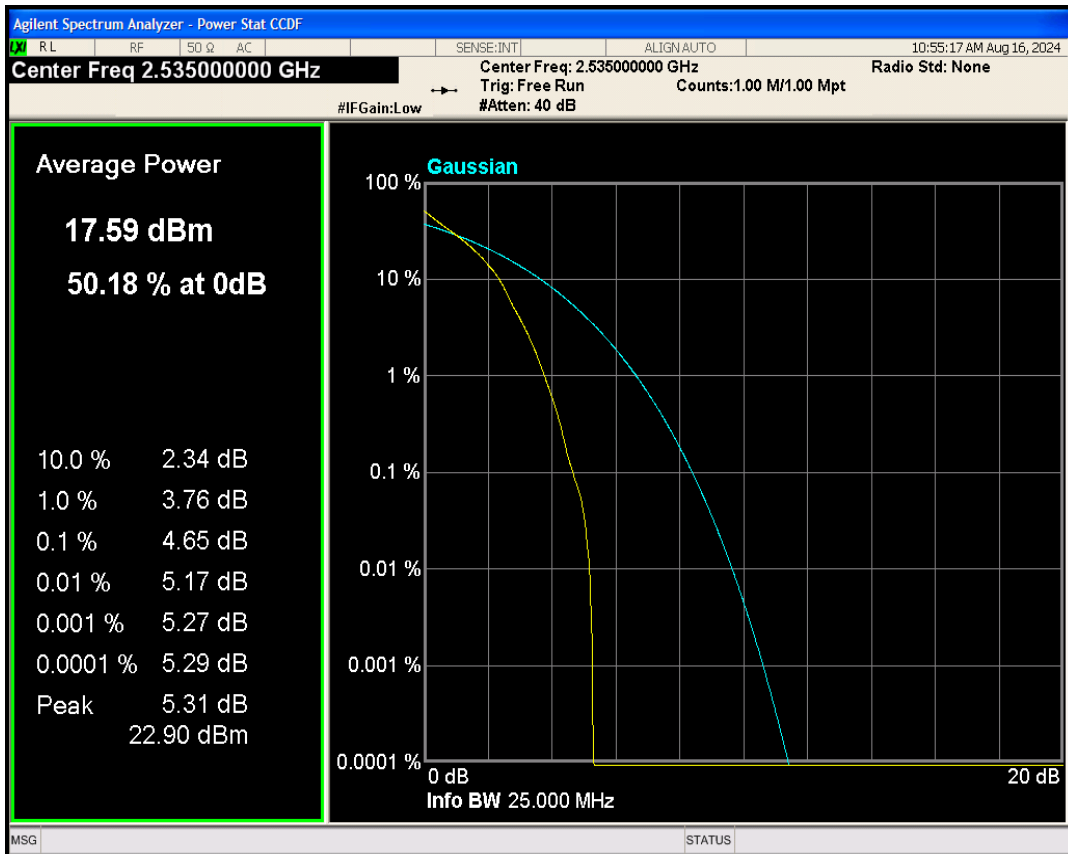
Band7 QPSK BW=10MHz Channel=20800 RB Size=1 Position=#0



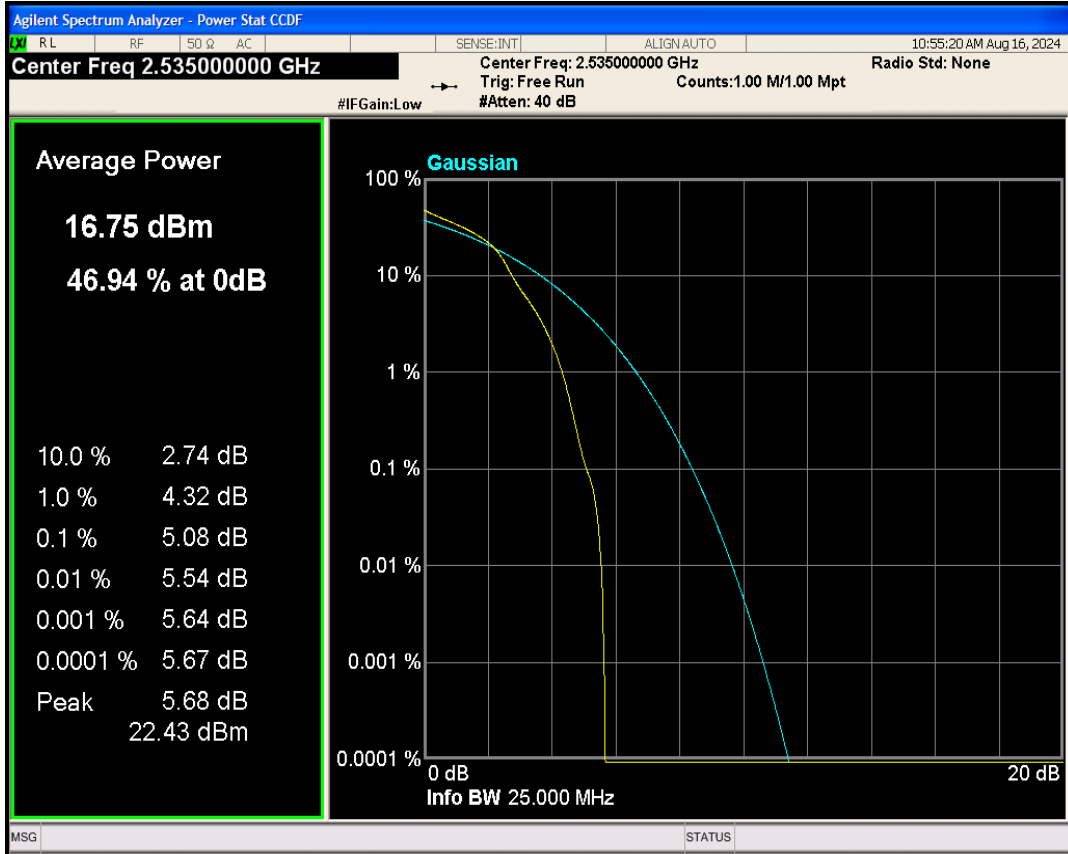
Band7 16QAM BW=10MHz Channel=20800 RB Size=1 Position=#0



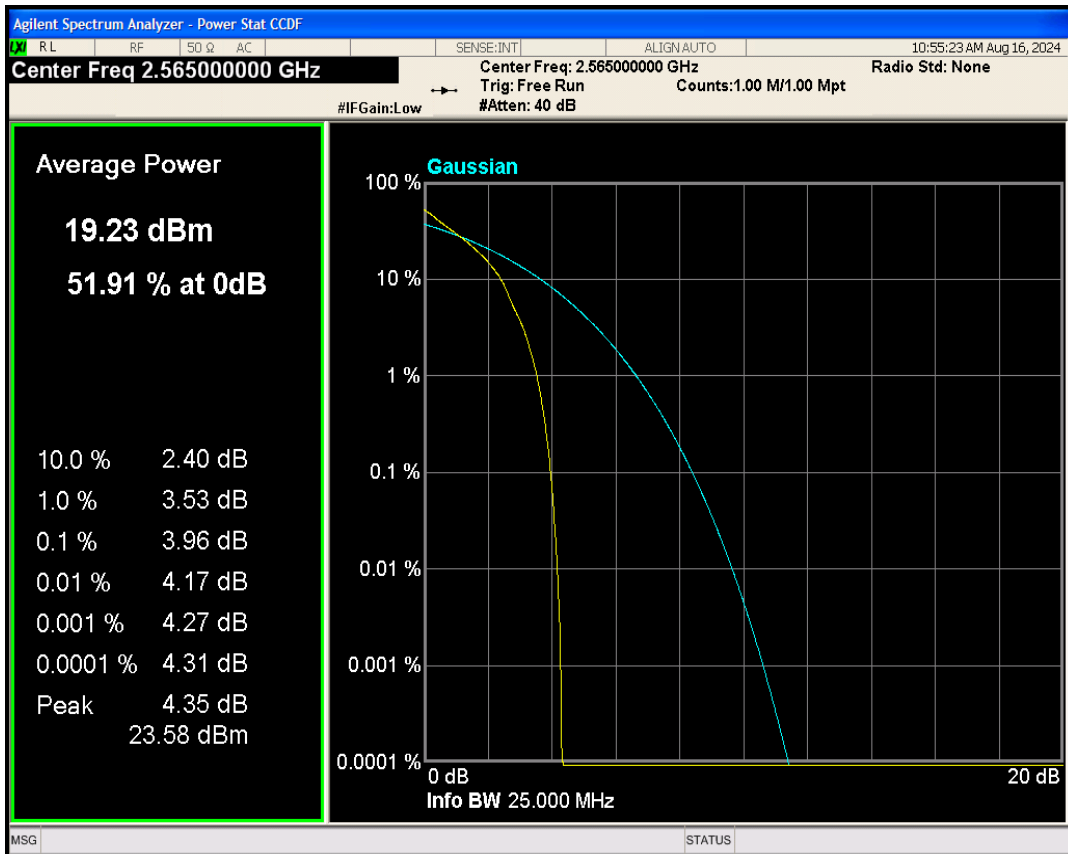
Band7 QPSK BW=10MHz Channel=21100 RB Size=1 Position=#0



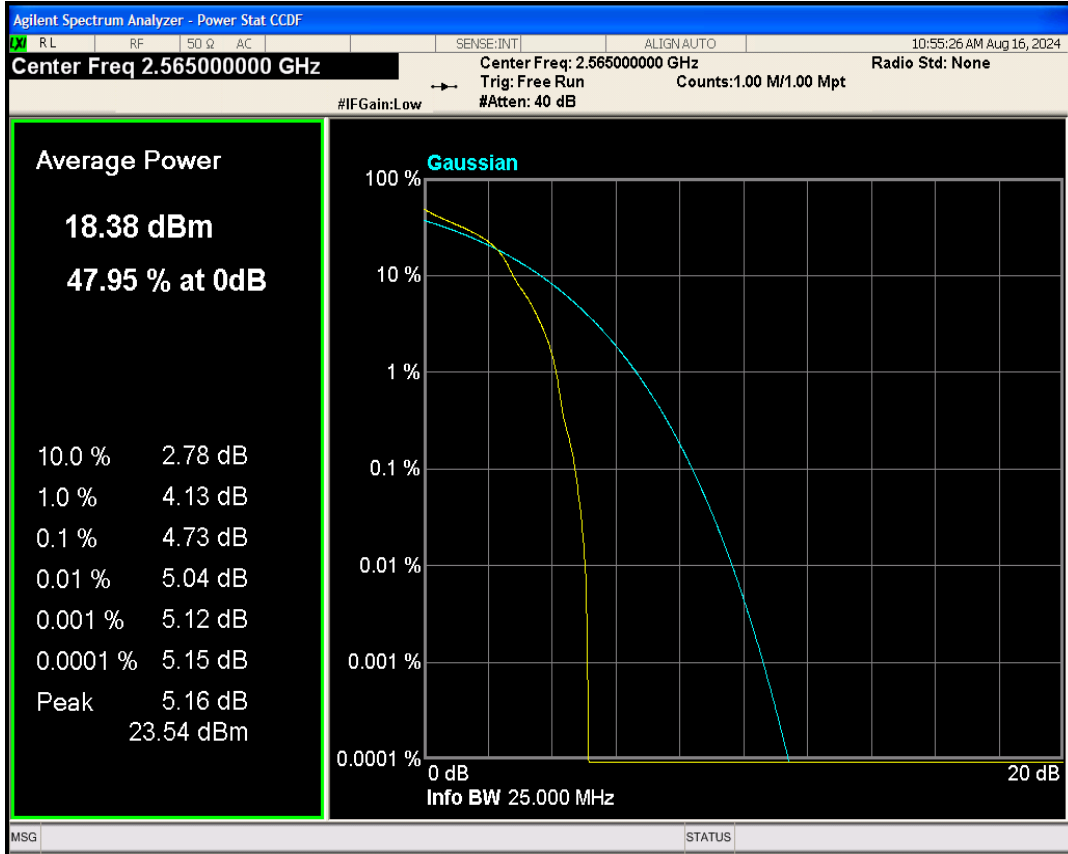
Band7 16QAM BW=10MHz Channel=21100 RB Size=1 Position=#0



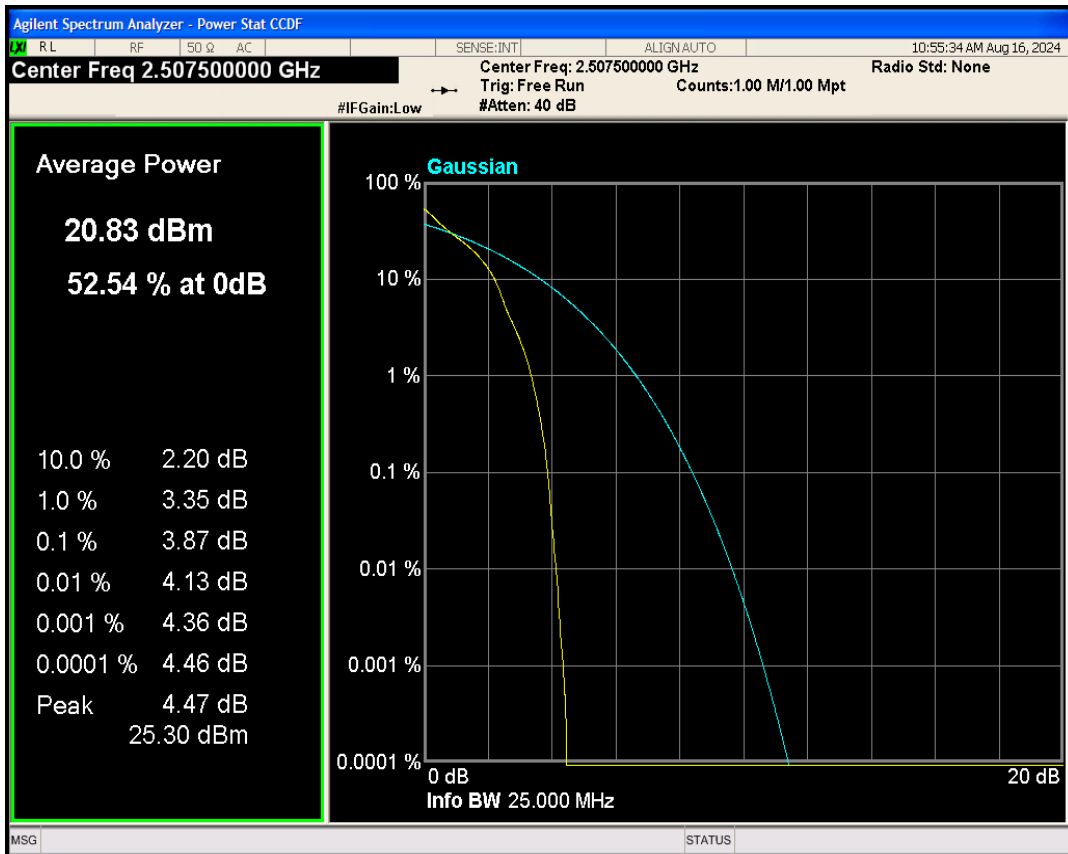
Band7 QPSK BW=10MHz Channel=21400 RB Size=1 Position=#0



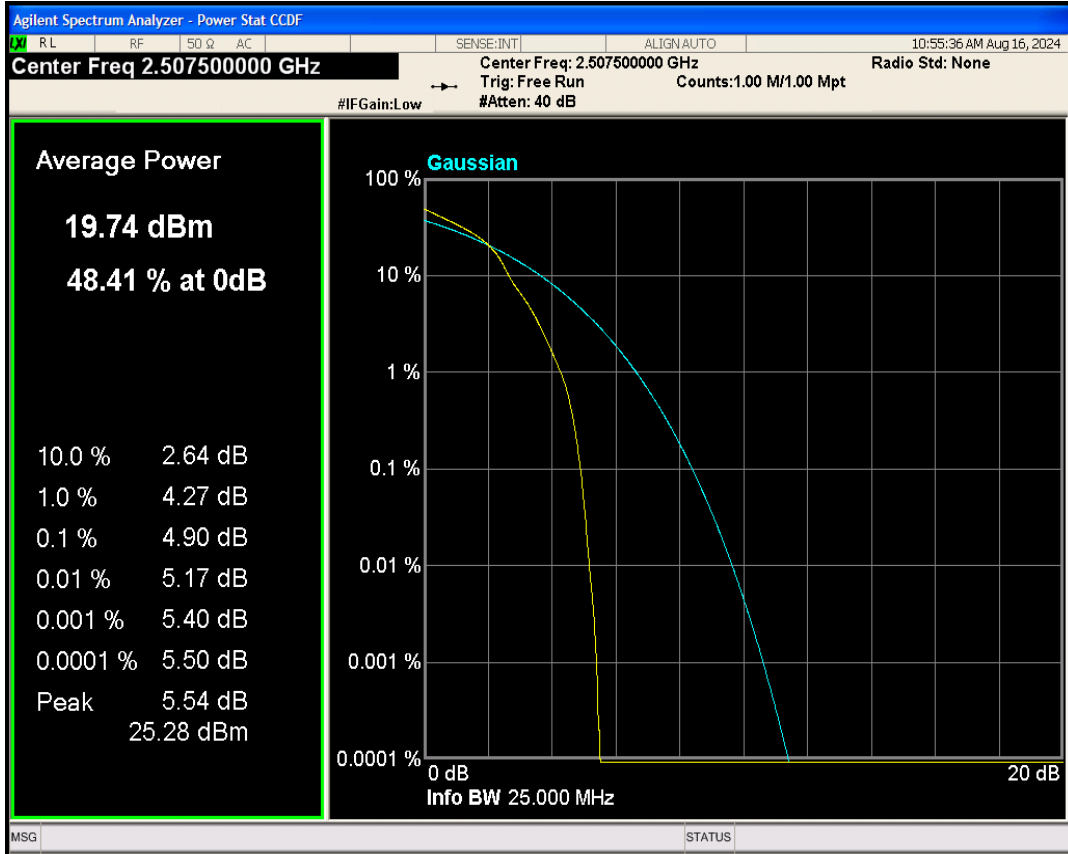
Band7 16QAM BW=10MHz Channel=21400 RB Size=1 Position=#0



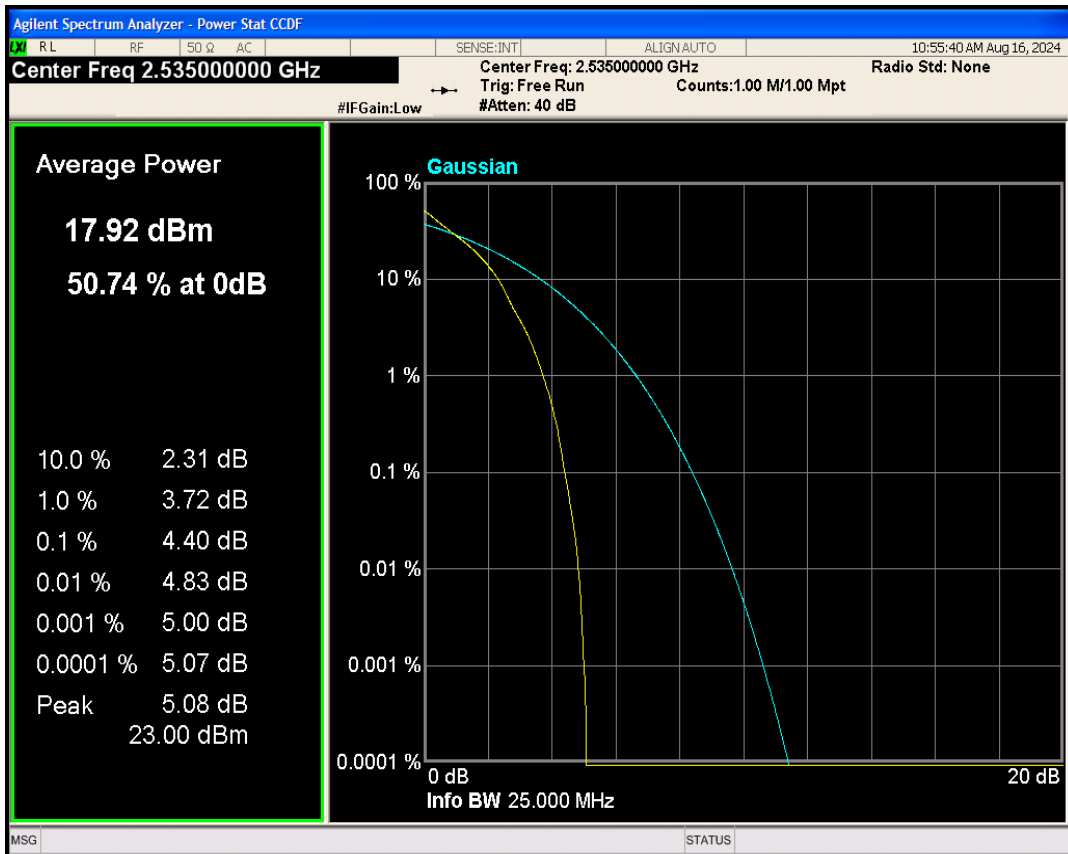
Band7 QPSK BW=15MHz Channel=20825 RB Size=1 Position=#0



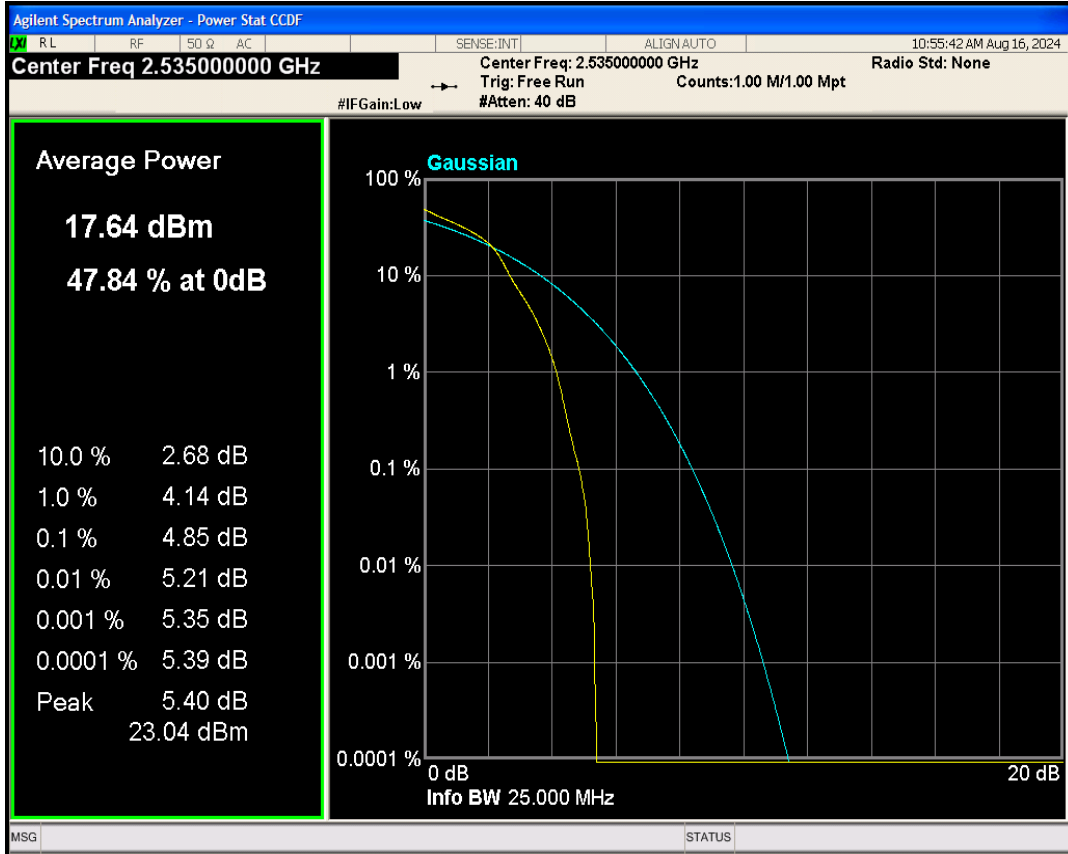
Band7 16QAM BW=15MHz Channel=20825 RB Size=1 Position=#0



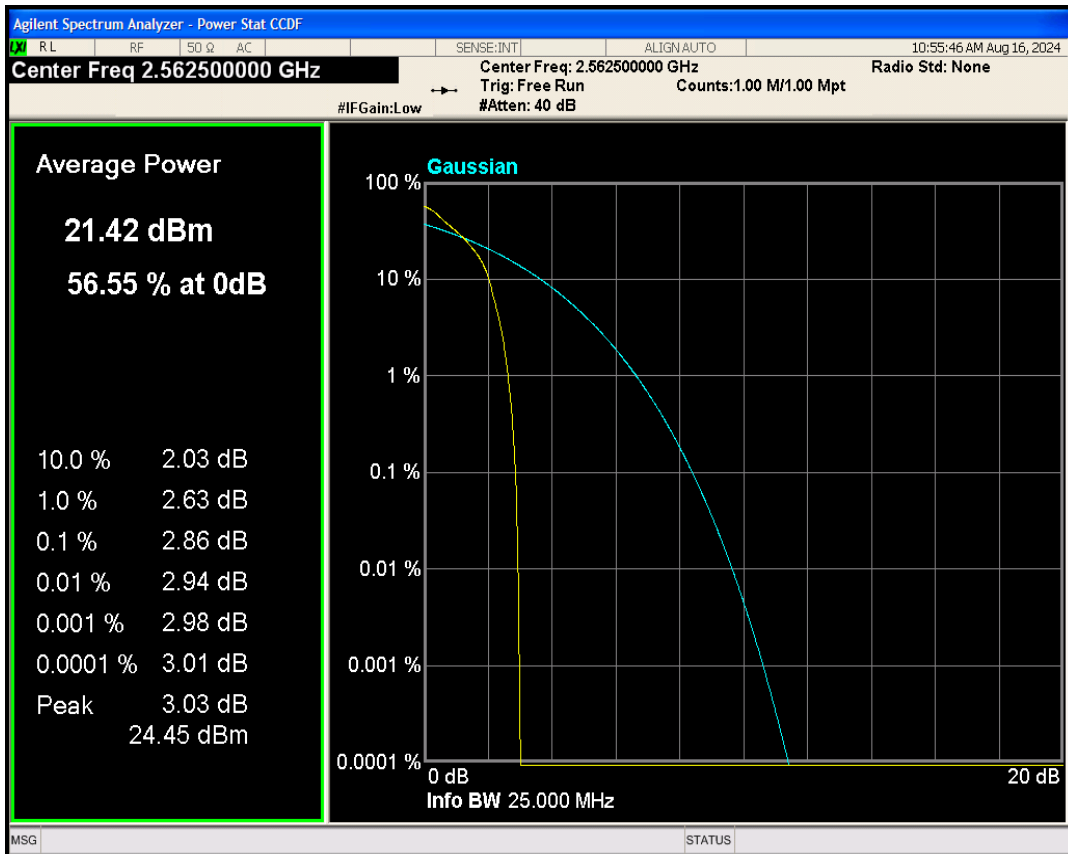
Band7 QPSK BW=15MHz Channel=21100 RB Size=1 Position=#0



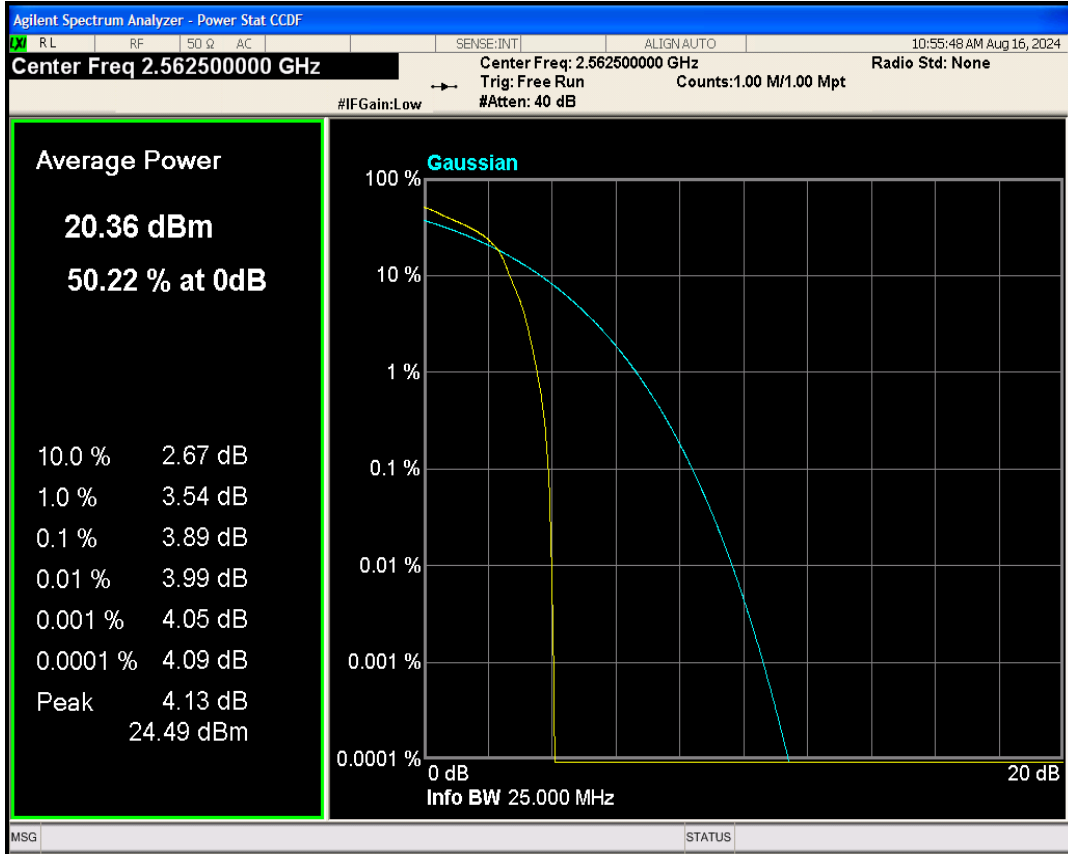
Band7 16QAM BW=15MHz Channel=21100 RB Size=1 Position=#0



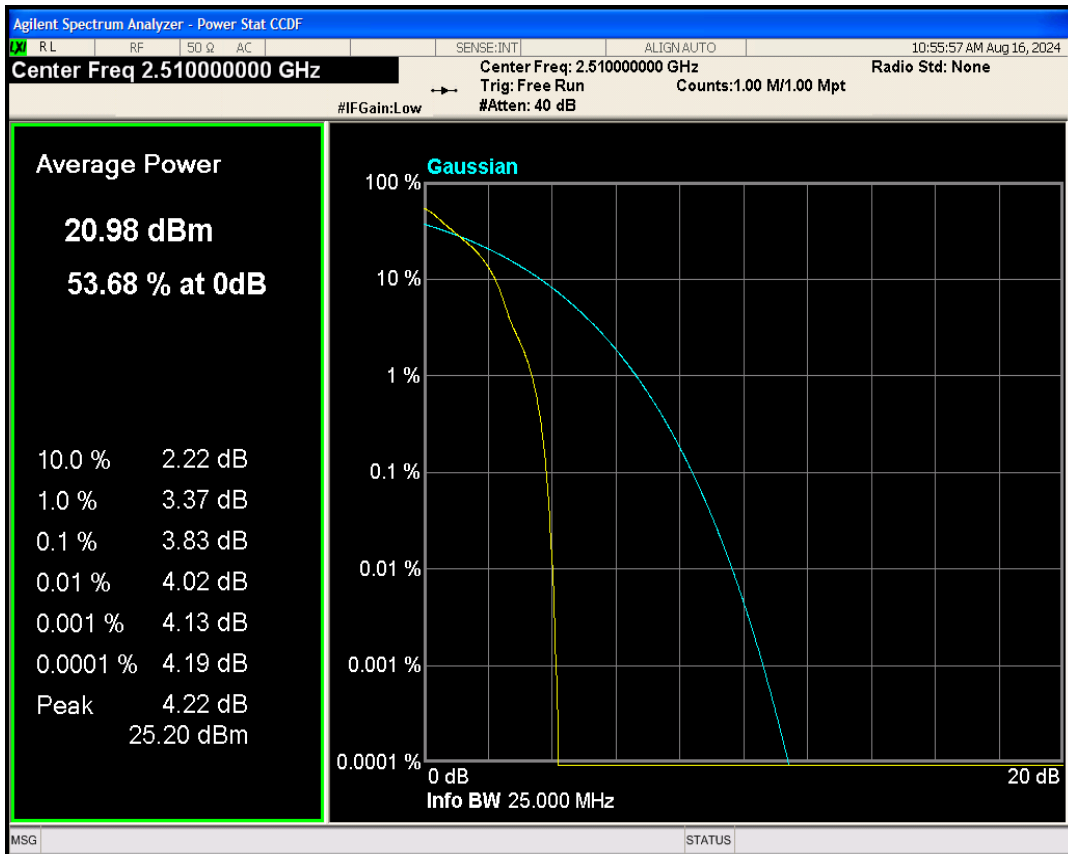
Band7 QPSK BW=15MHz Channel=21375 RB Size=1 Position=#0



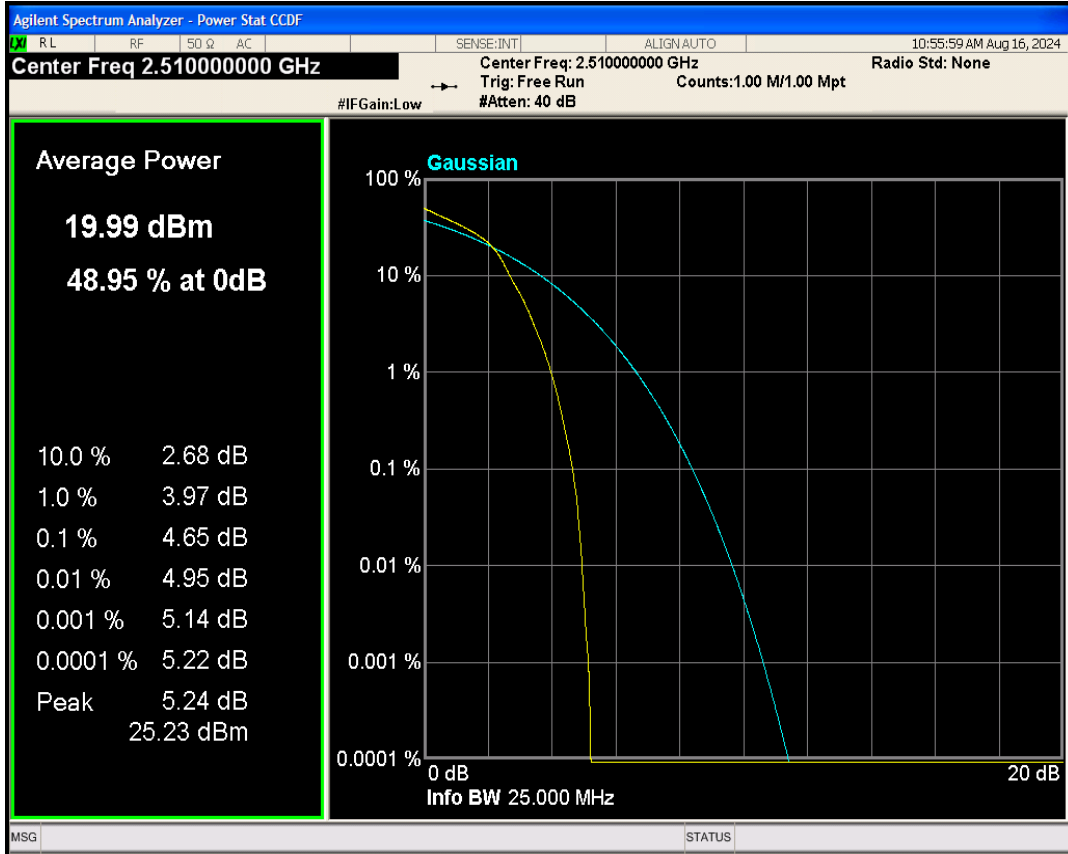
Band7 16QAM BW=15MHz Channel=21375 RB Size=1 Position=#0



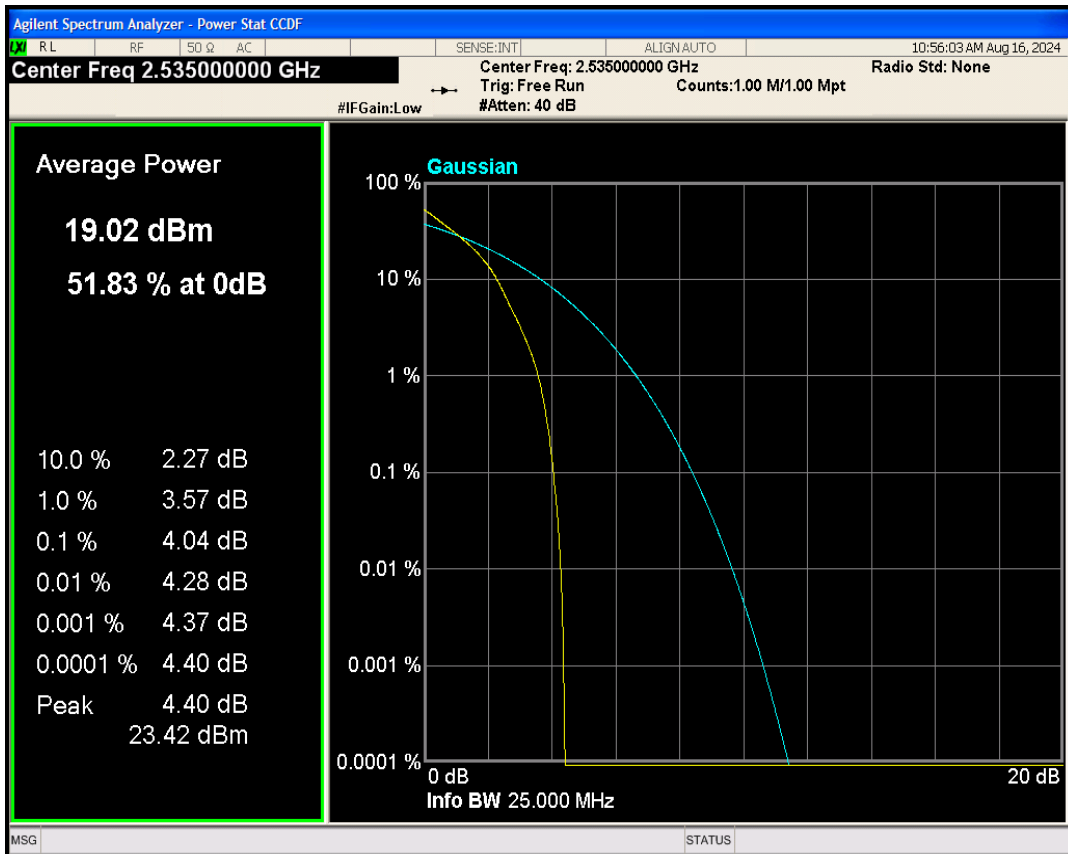
Band7 QPSK BW=20MHz Channel=20850 RB Size=1 Position=#0



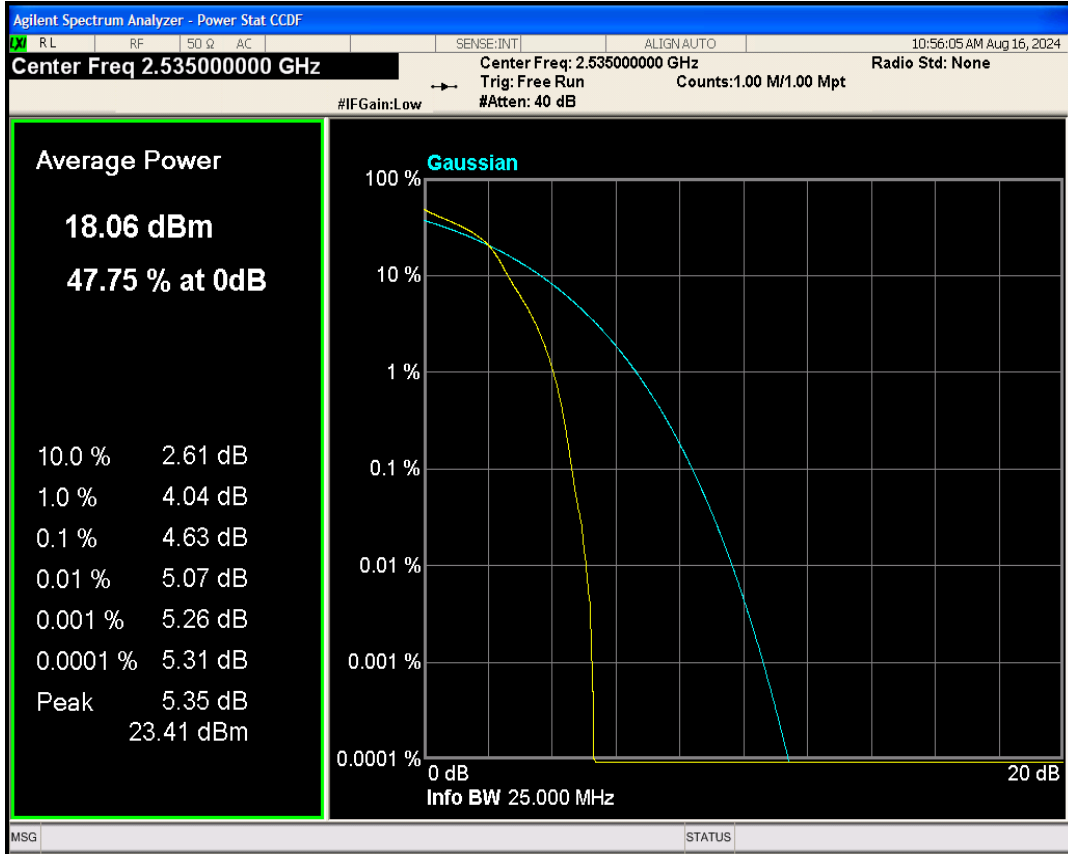
Band7 16QAM BW=20MHz Channel=20850 RB Size=1 Position=#0



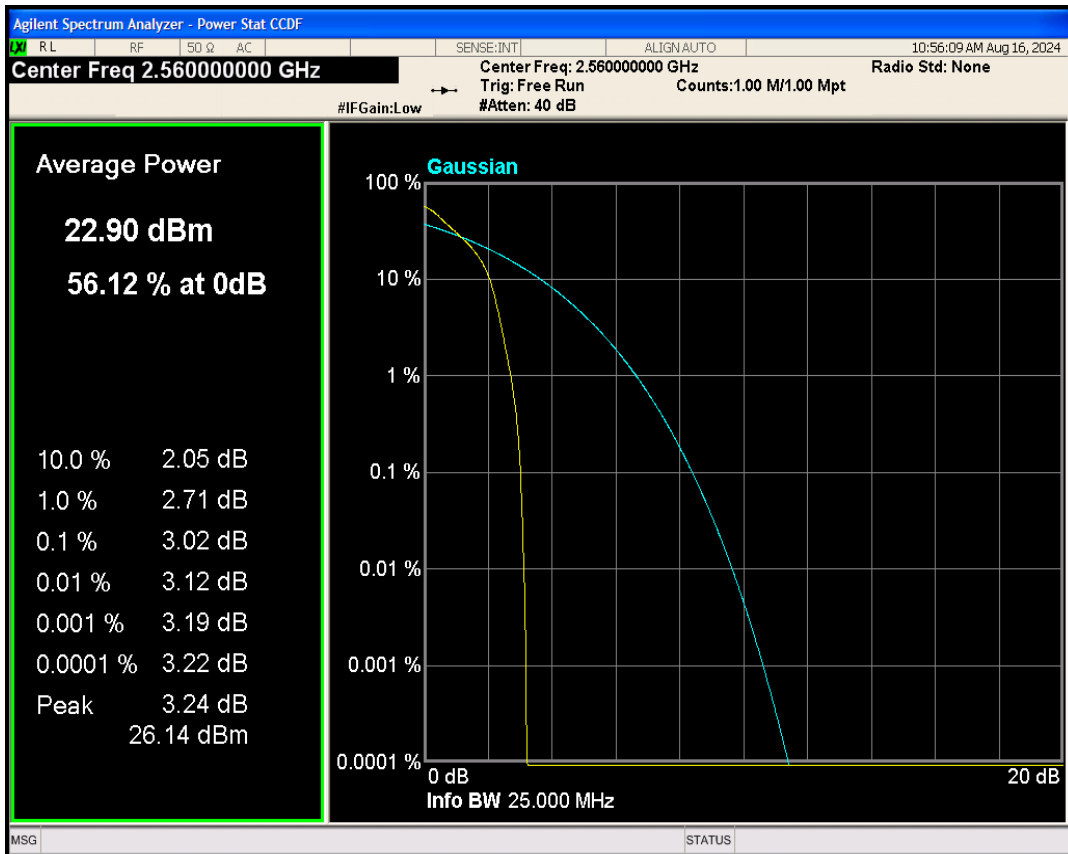
Band7 QPSK BW=20MHz Channel=21100 RB Size=1 Position=#0



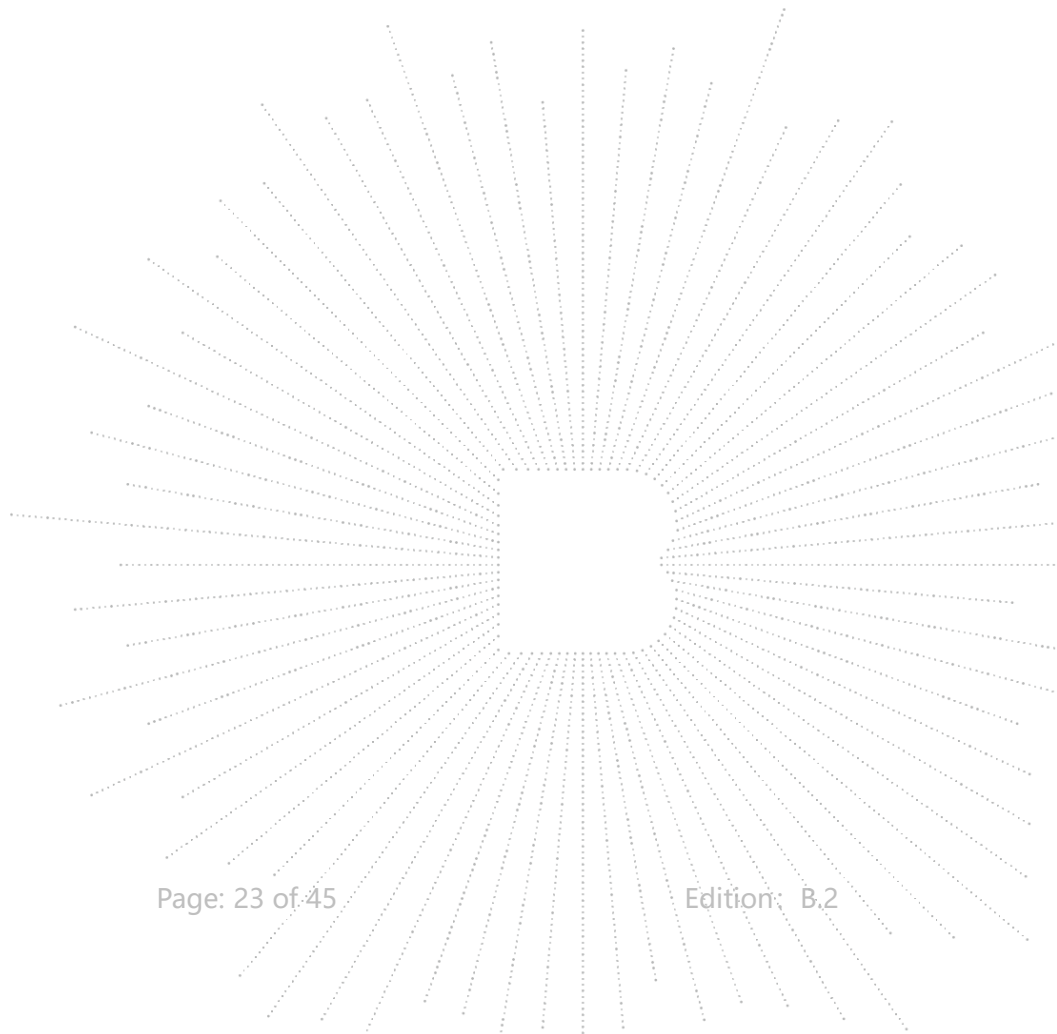
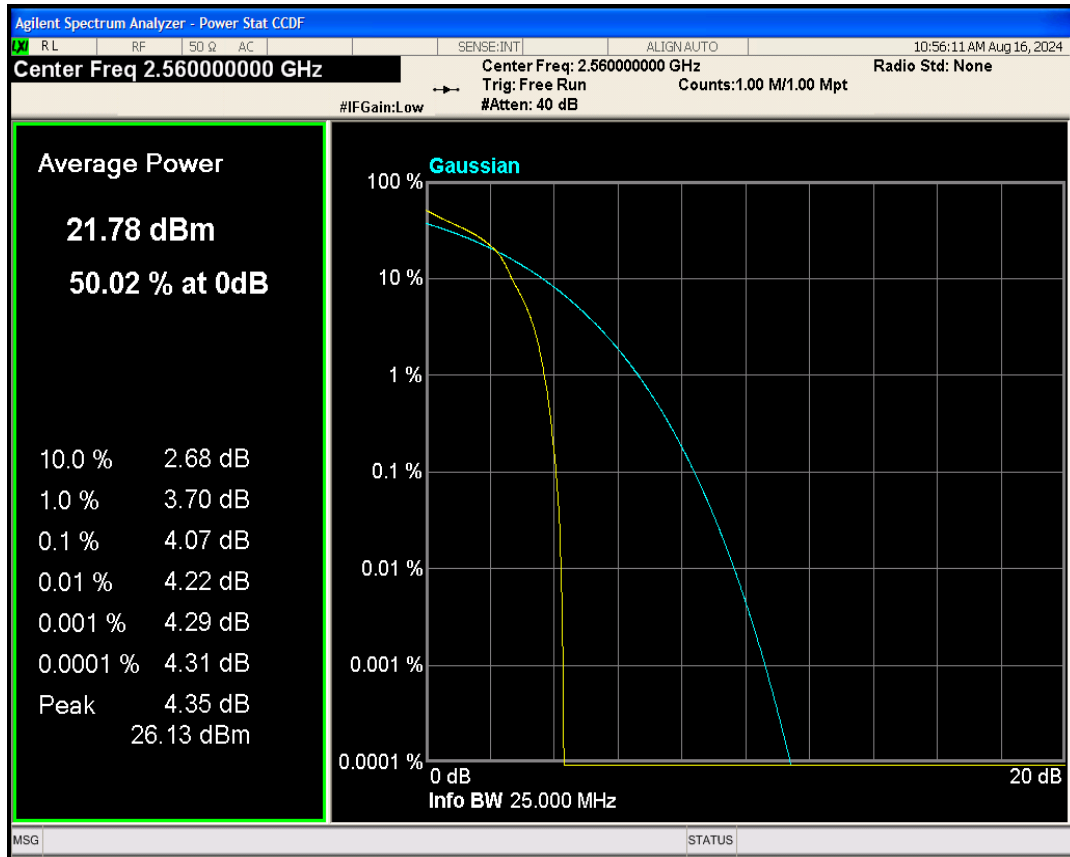
Band7 16QAM BW=20MHz Channel=21100 RB Size=1 Position=#0



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



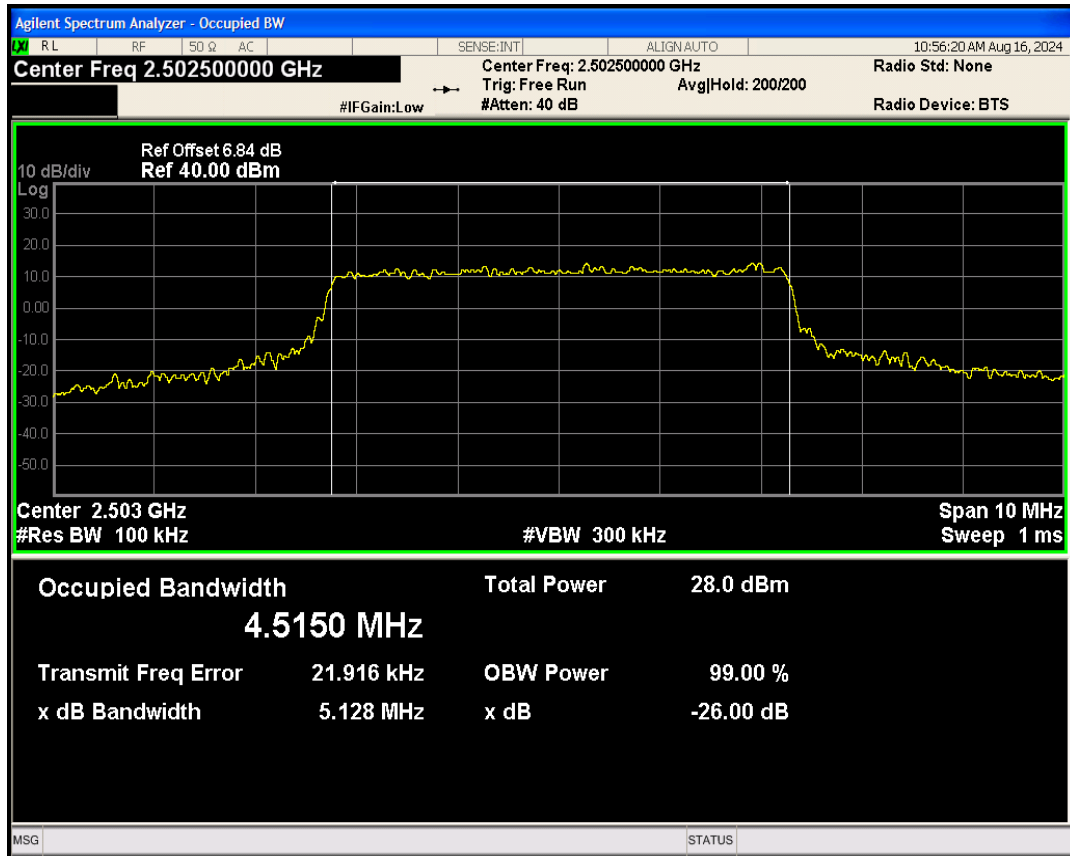
Band7 16QAM BW=20MHz Channel=21350 RB Size=1 Position=#0



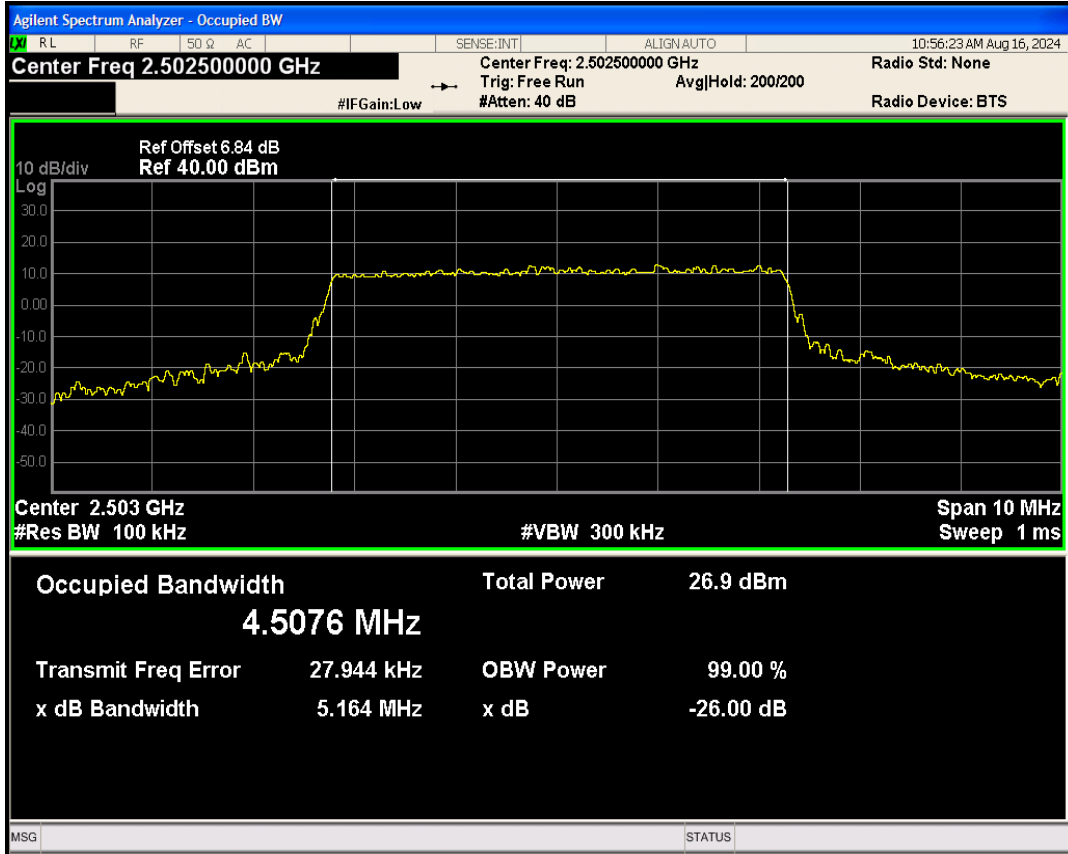
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band7	5	20775	25	#0	QPSK	4.515	5.128	PASS
Band7	5	20775	25	#0	16QAM	4.508	5.164	PASS
Band7	5	21100	25	#0	QPSK	4.530	5.538	PASS
Band7	5	21100	25	#0	16QAM	4.510	5.117	PASS
Band7	5	21425	25	#0	QPSK	4.515	5.158	PASS
Band7	5	21425	25	#0	16QAM	4.534	5.125	PASS
Band7	10	20800	50	#0	QPSK	8.990	10.109	PASS
Band7	10	21100	50	#0	QPSK	8.996	10.098	PASS
Band7	10	21400	50	#0	QPSK	9.022	10.355	PASS
Band7	15	20825	75	#0	QPSK	13.468	15.108	PASS
Band7	15	21100	75	#0	QPSK	13.531	14.756	PASS
Band7	15	21375	75	#0	QPSK	13.542	14.992	PASS
Band7	20	20850	100	#0	QPSK	17.864	19.258	PASS
Band7	20	21100	100	#0	QPSK	18.091	19.643	PASS
Band7	20	21350	100	#0	QPSK	18.014	19.712	PASS

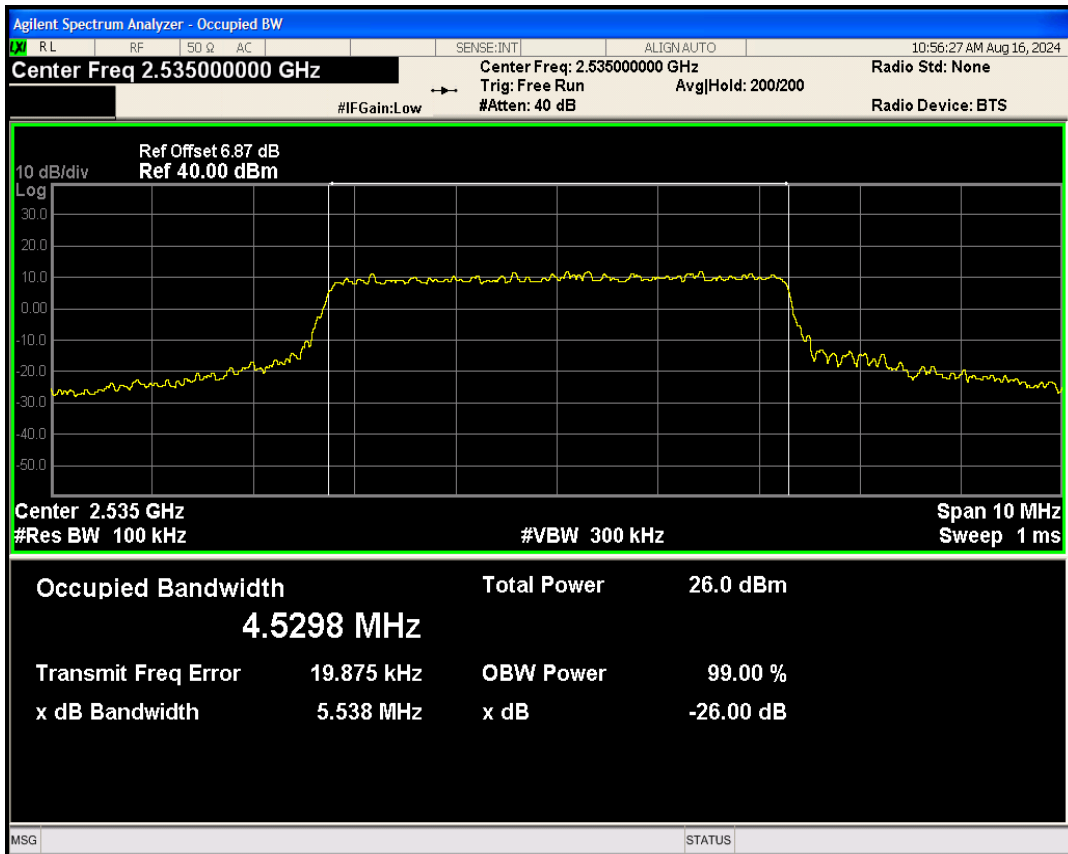
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



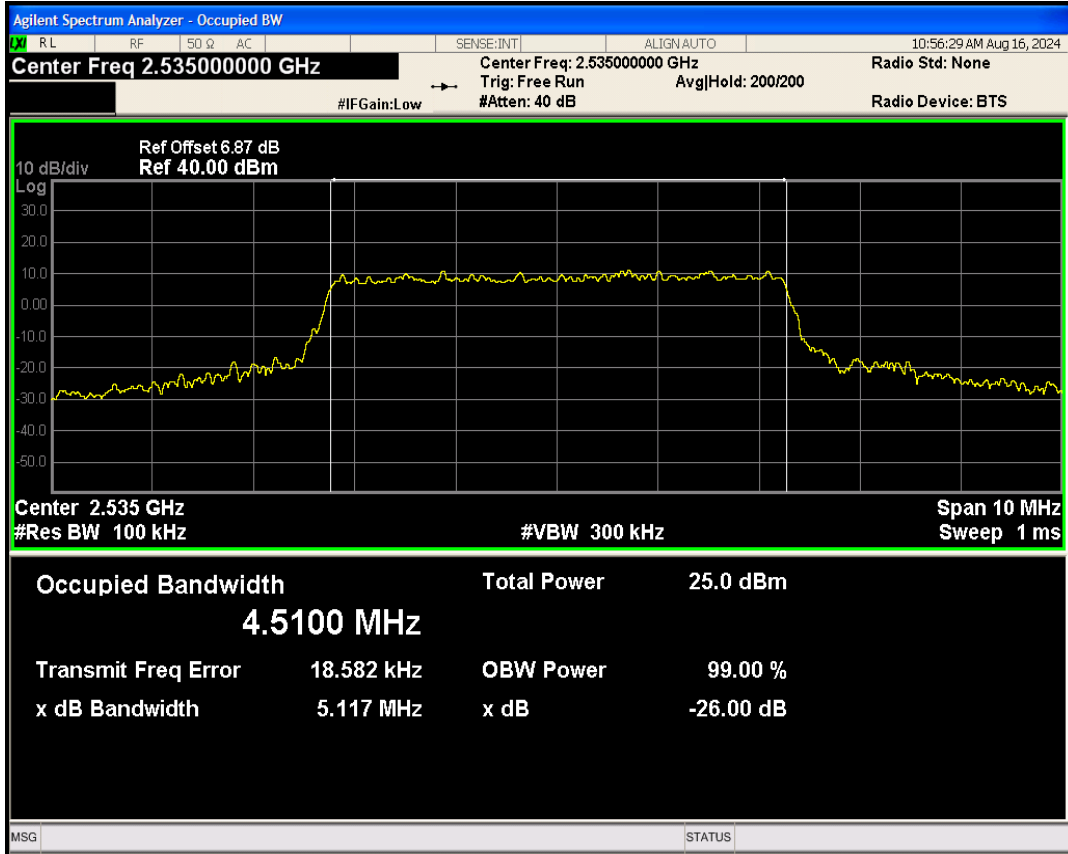
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0



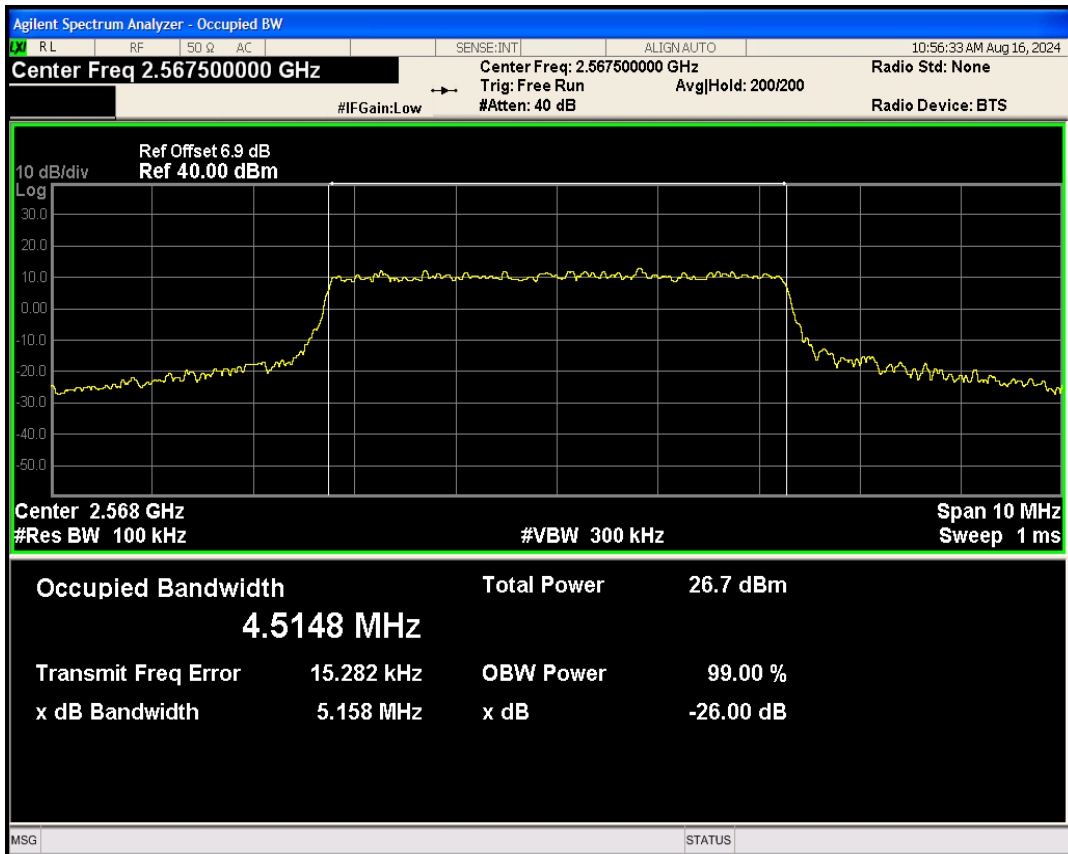
Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0



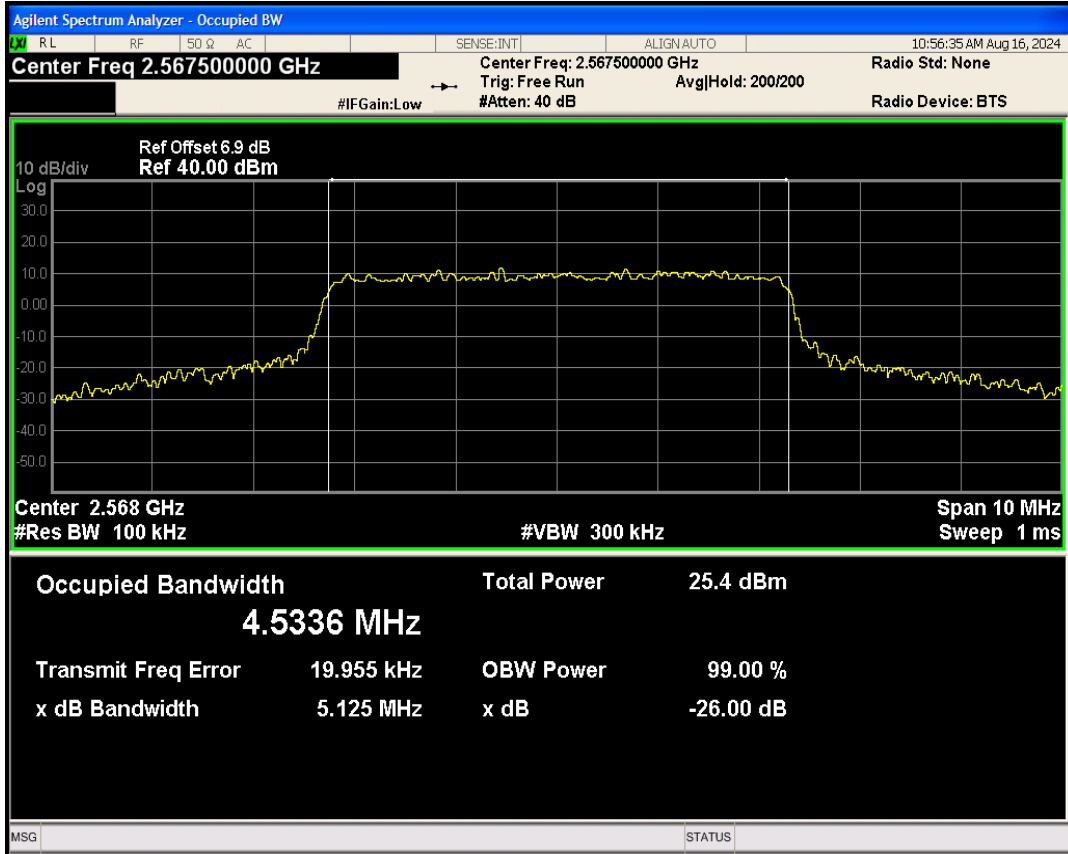
Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0



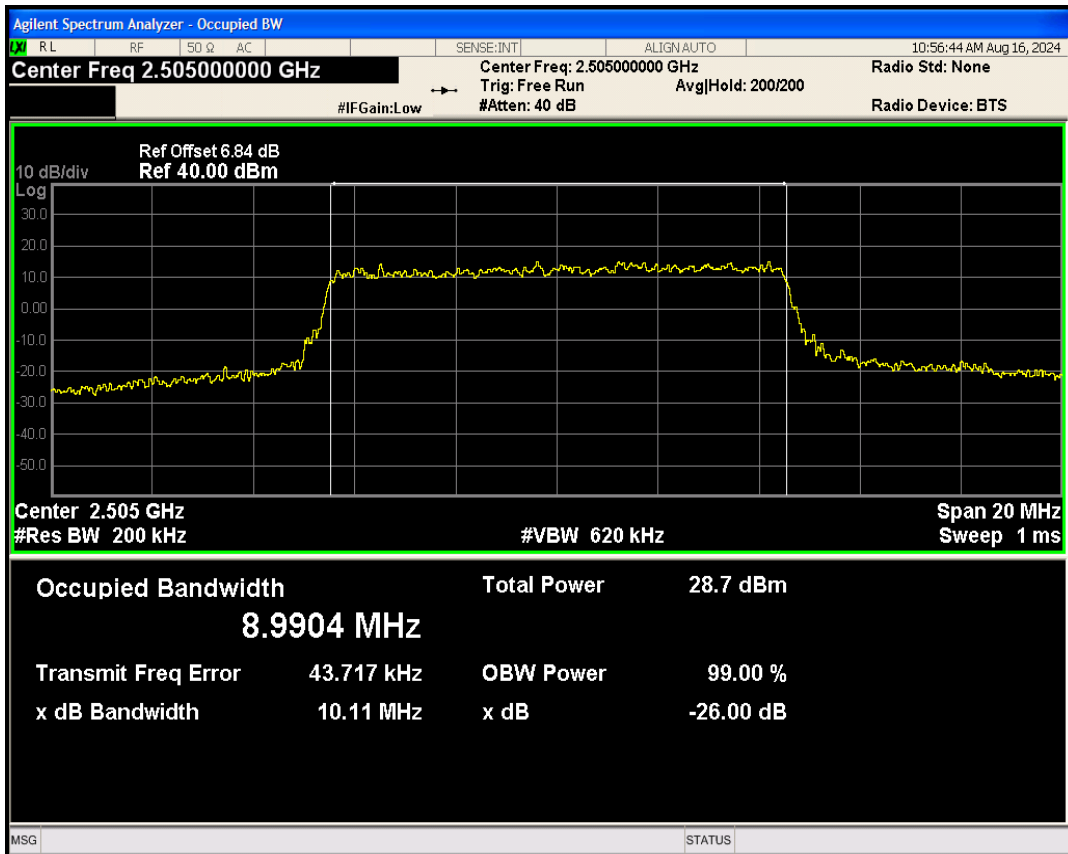
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



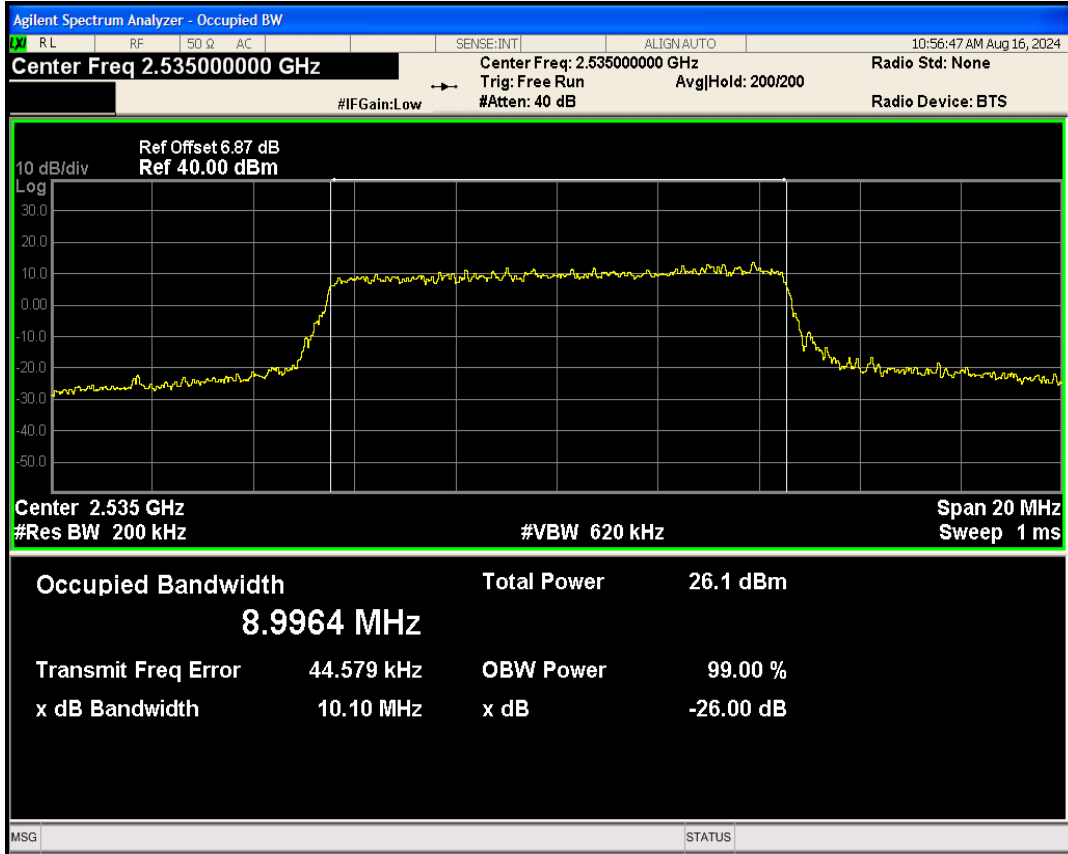
Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0



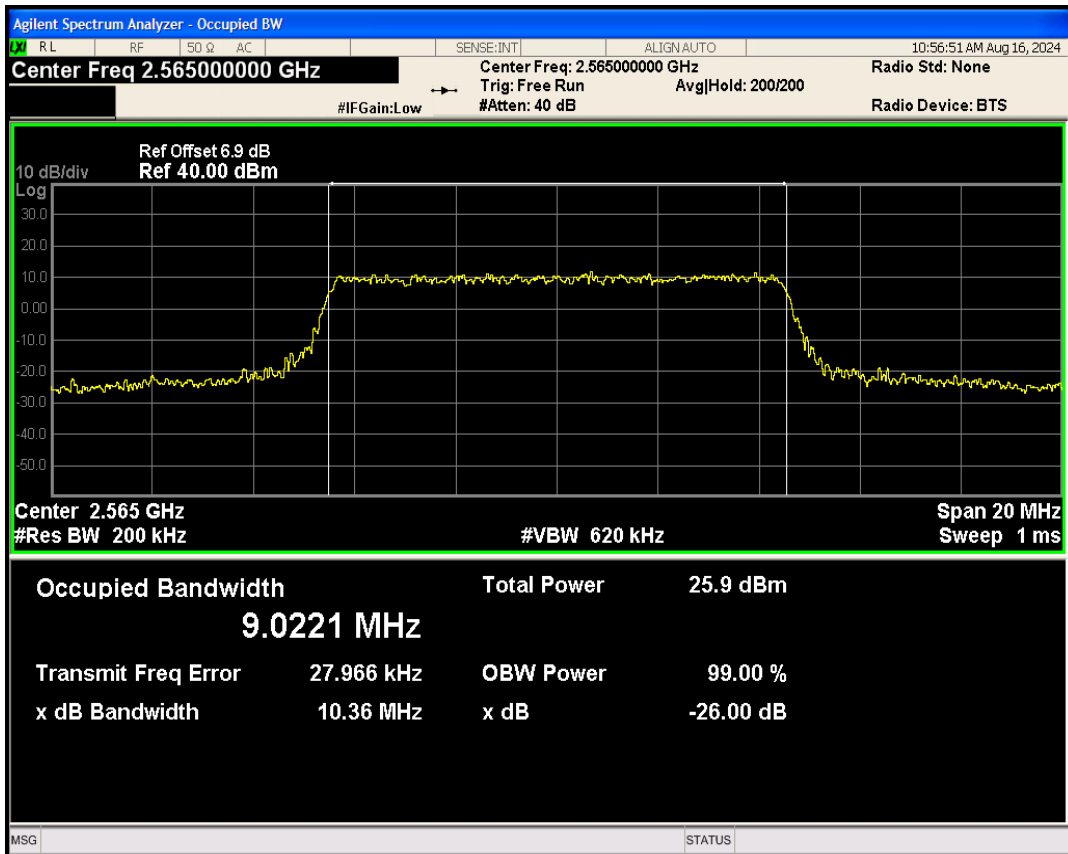
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0



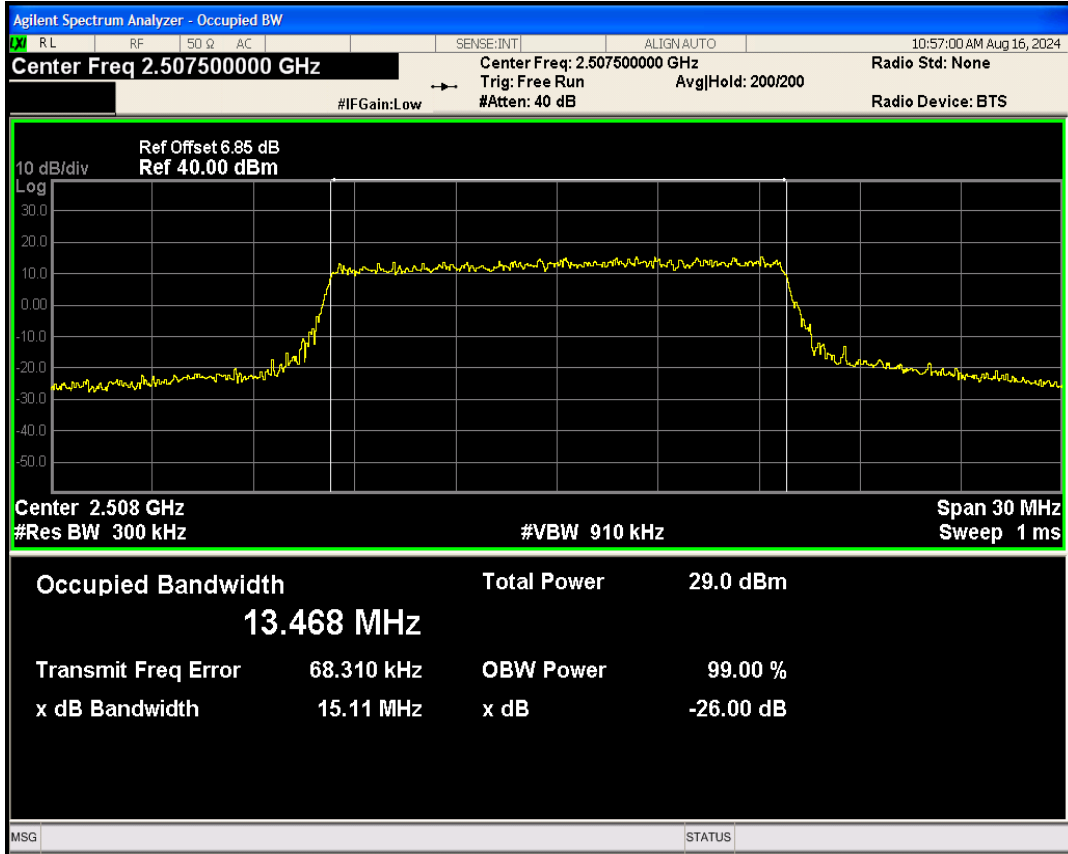
Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0



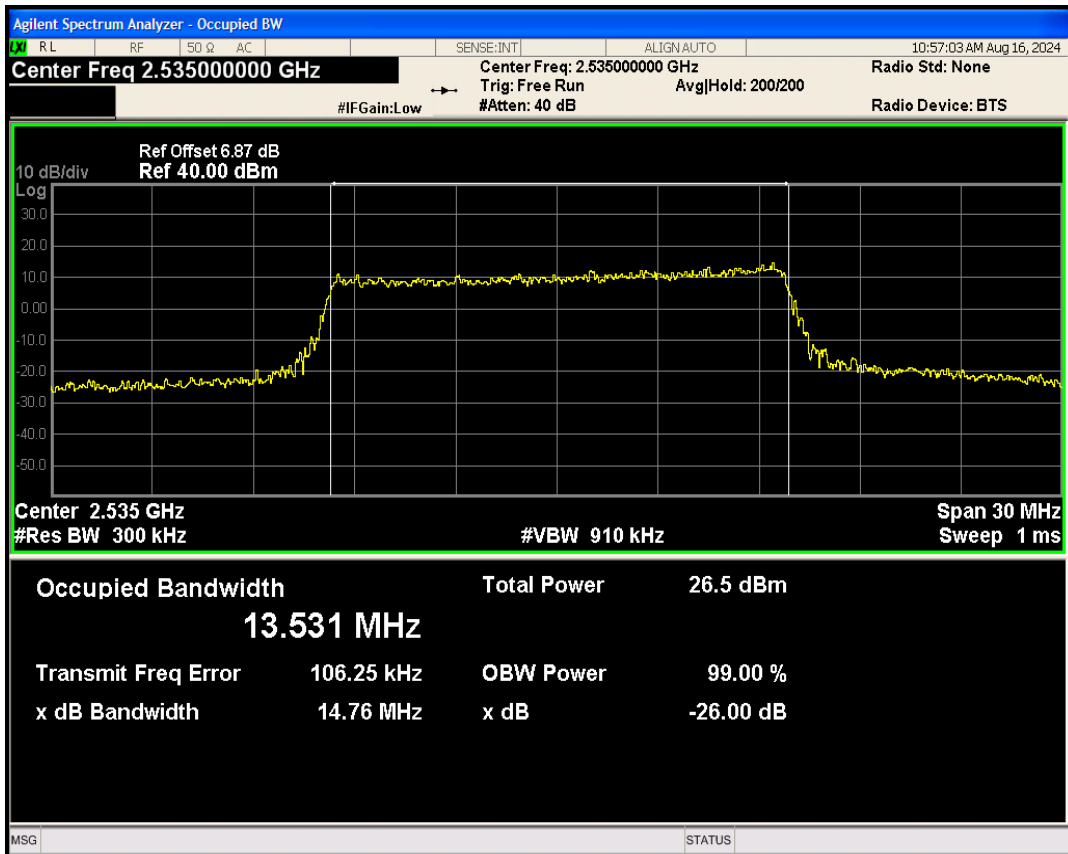
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0



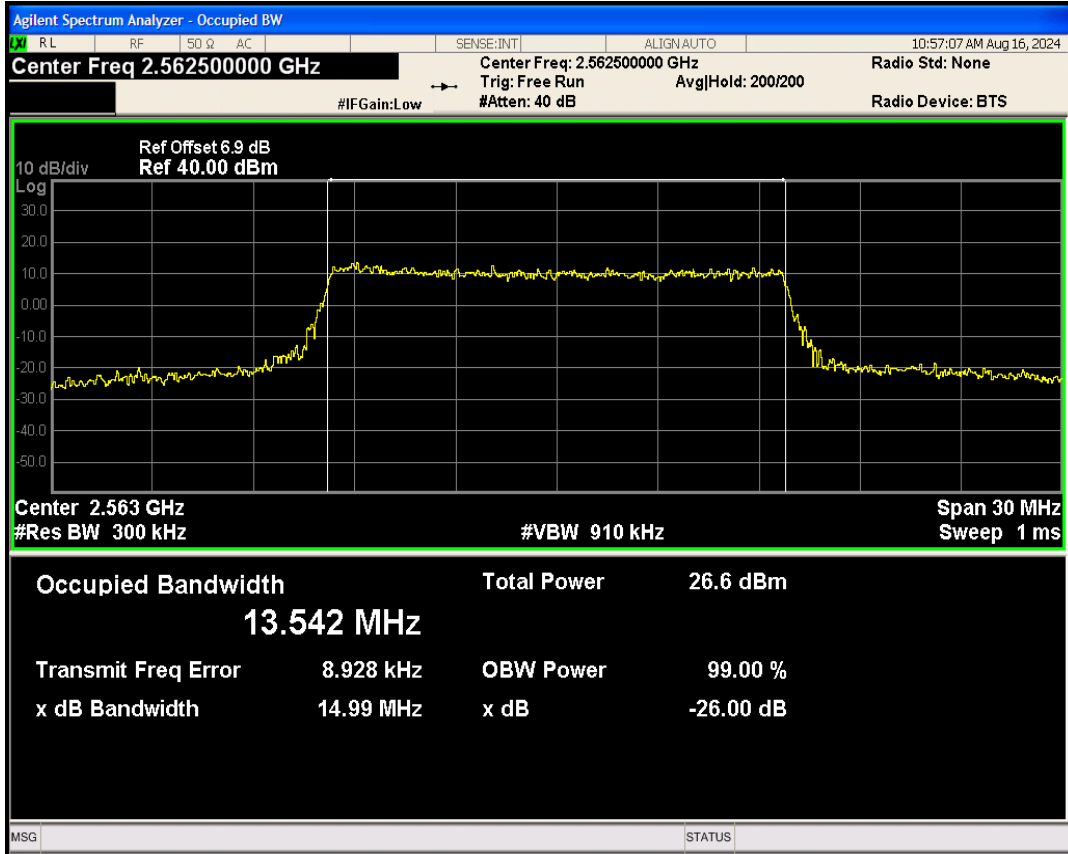
Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0



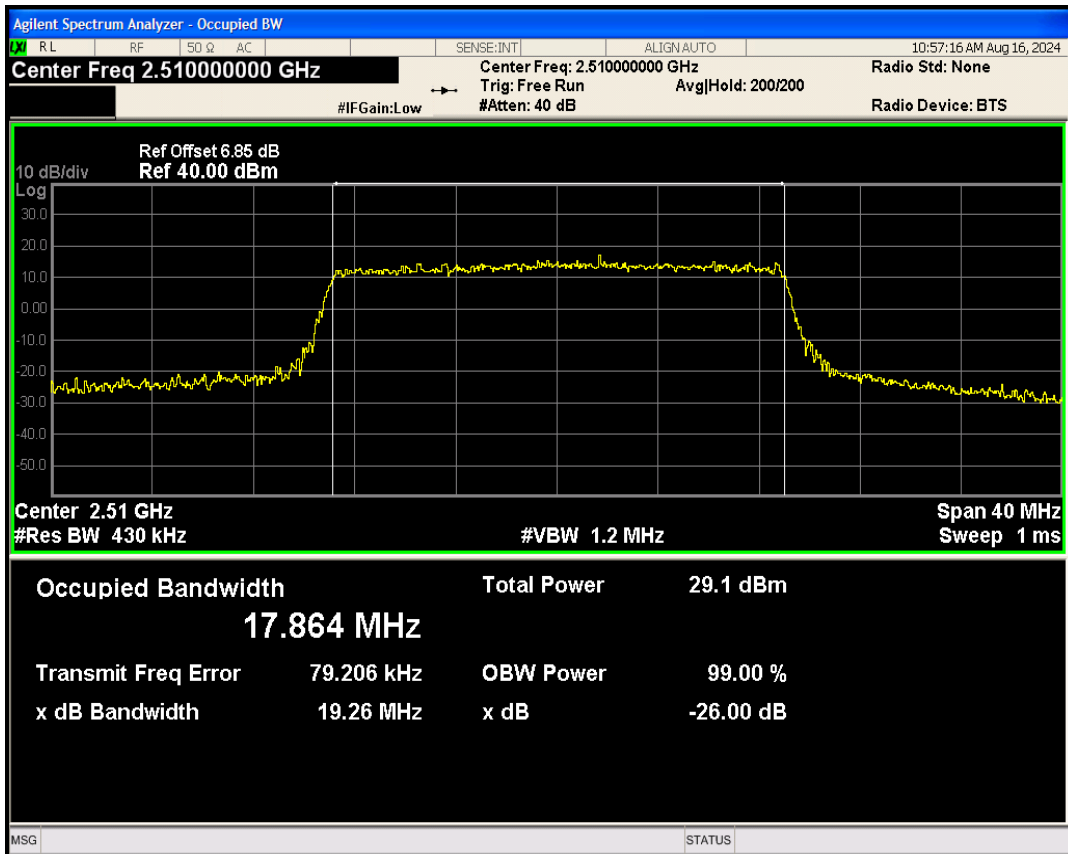
Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0



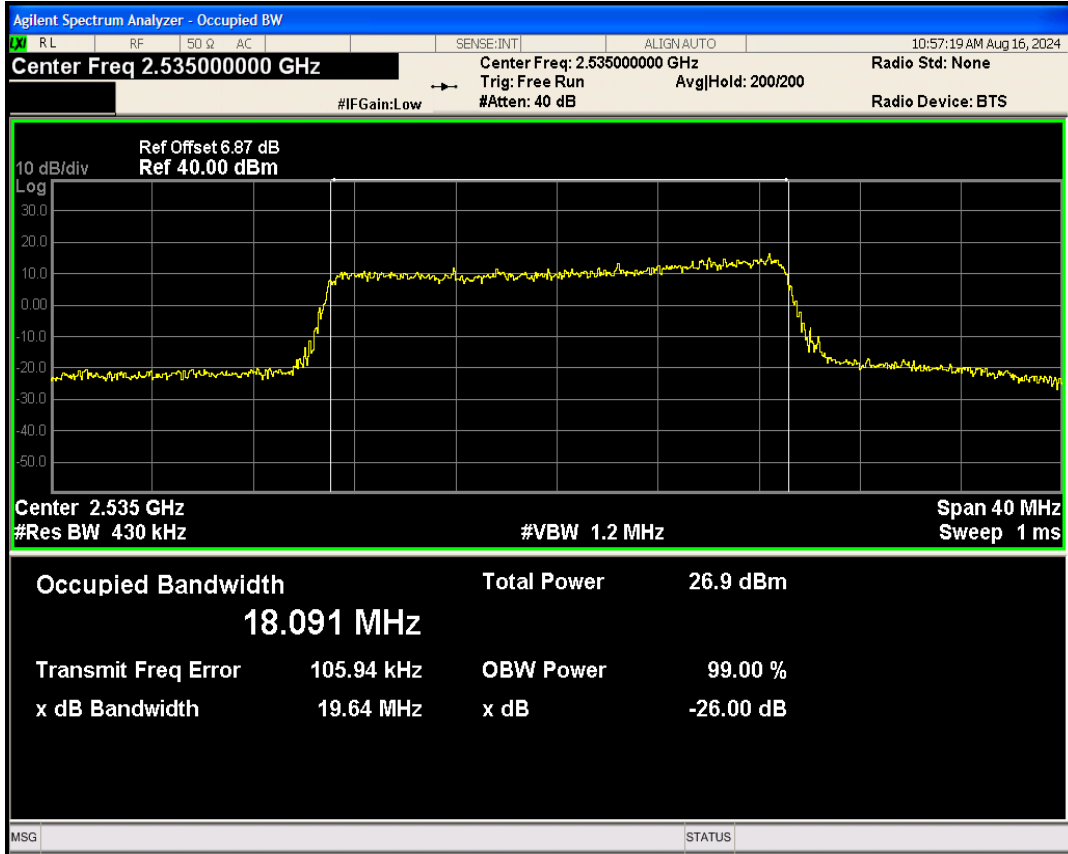
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0



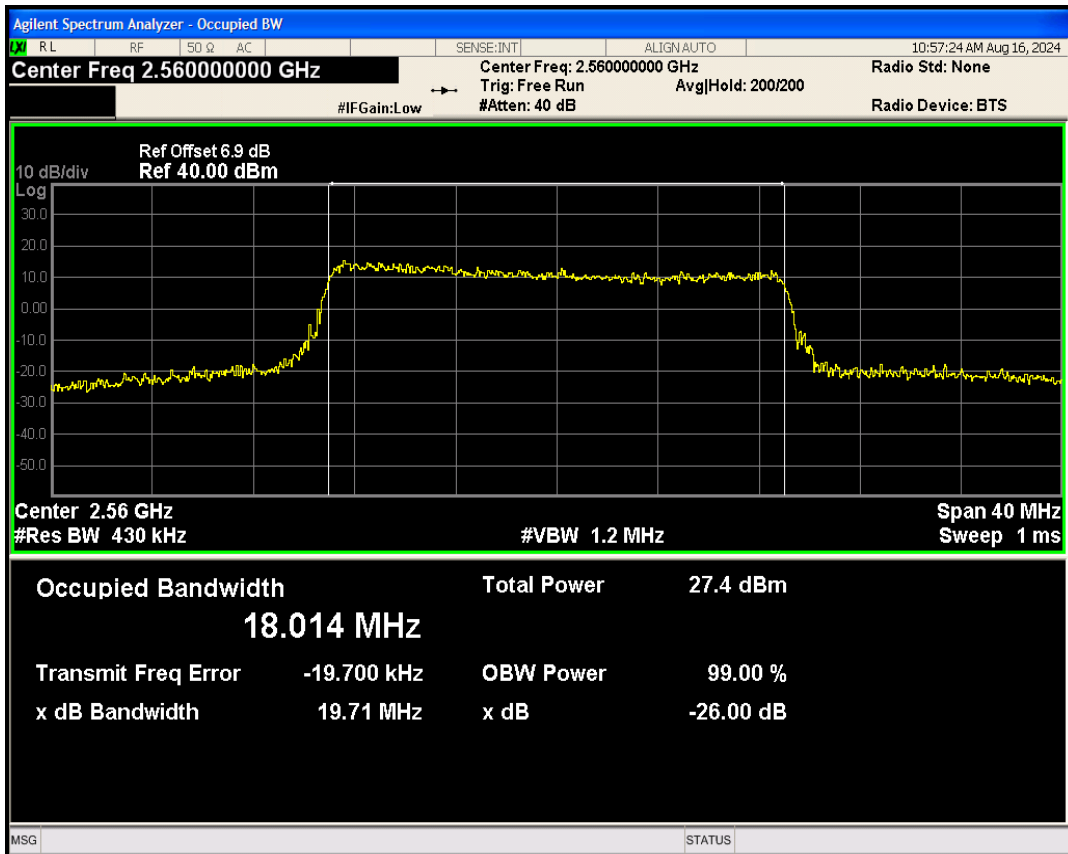
Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



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



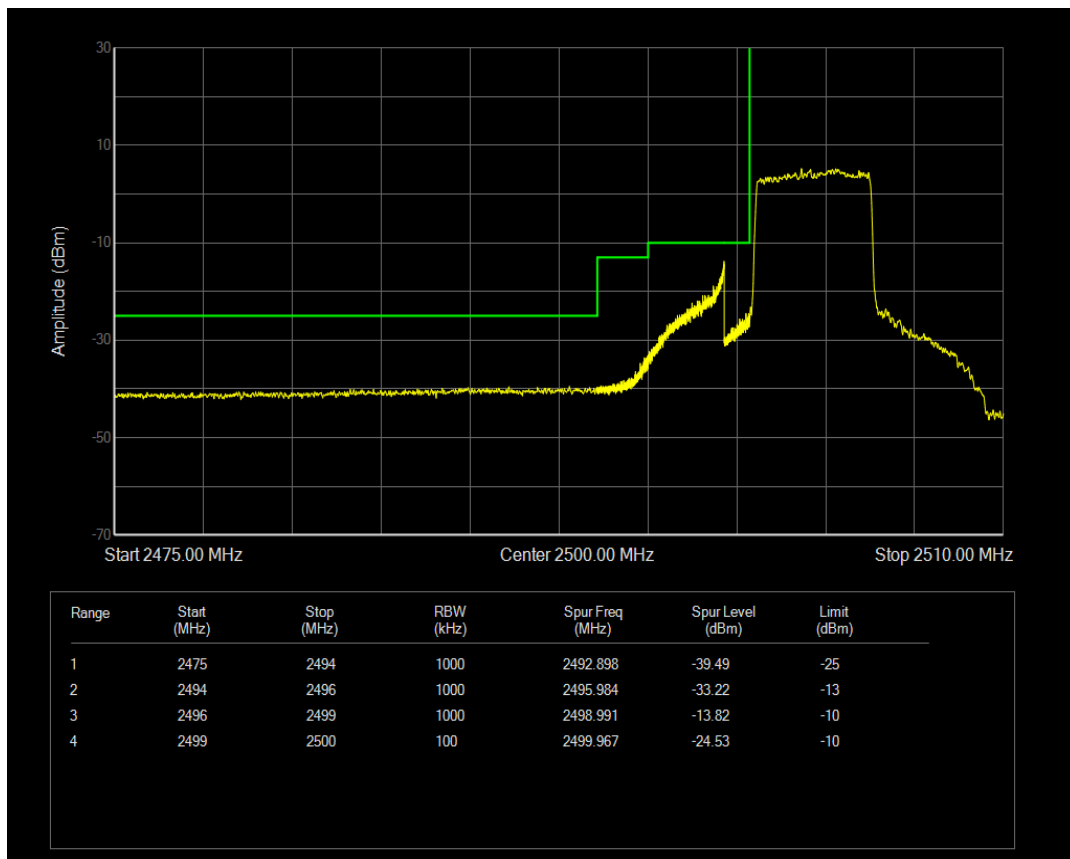
Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



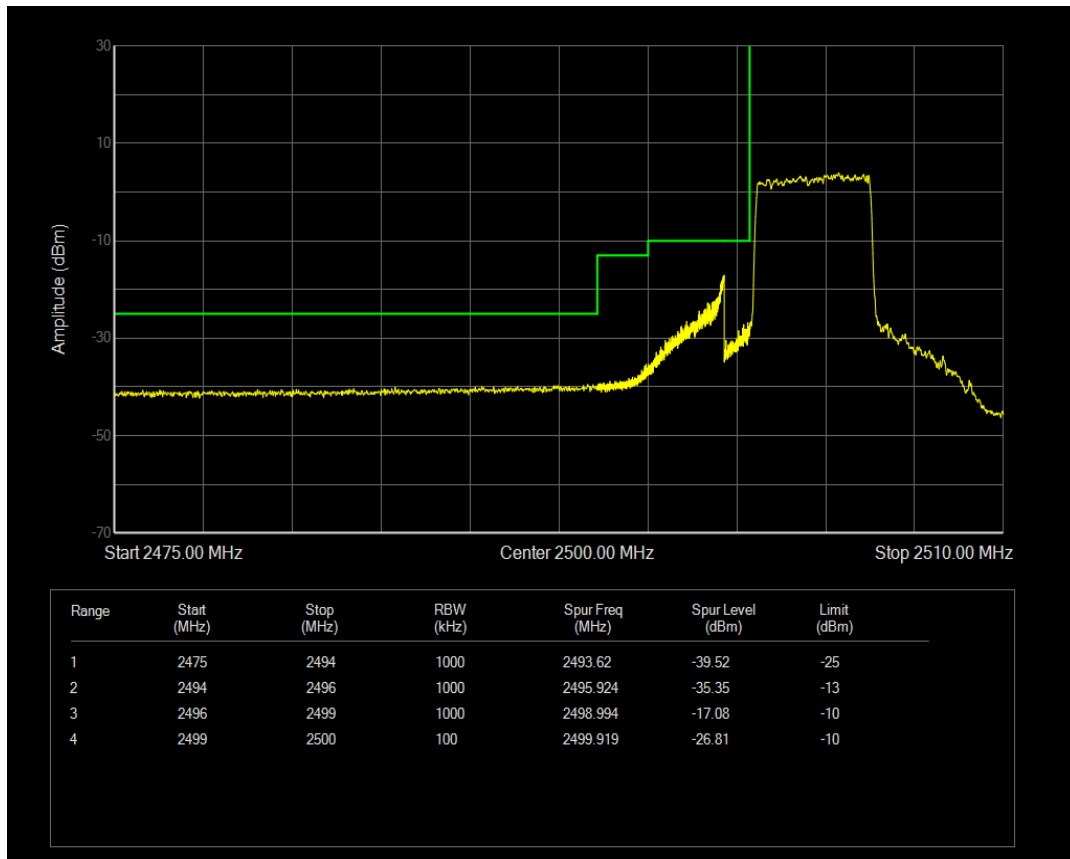
Appendix 5. Band edge

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	-13.82	-10	PASS
Band7	5	20775	25	#0	16QAM	2498.99	-17.08	-10	PASS
Band7	5	21425	25	#0	QPSK	2571.00	-14.71	-10	PASS
Band7	5	21425	25	#0	16QAM	2571.01	-16.84	-10	PASS
Band7	10	20800	50	#0	QPSK	2498.99	-21.69	-10	PASS
Band7	10	21400	50	#0	QPSK	2571.32	-20.27	-10	PASS
Band7	15	20825	75	#0	QPSK	2484.58	-37.34	-25	PASS
Band7	15	21375	75	#0	QPSK	2575.14	-23.06	-13	PASS
Band7	20	20850	100	#0	QPSK	2479.89	-38.16	-25	PASS
Band7	20	21350	100	#0	QPSK	2575.20	-25.55	-13	PASS

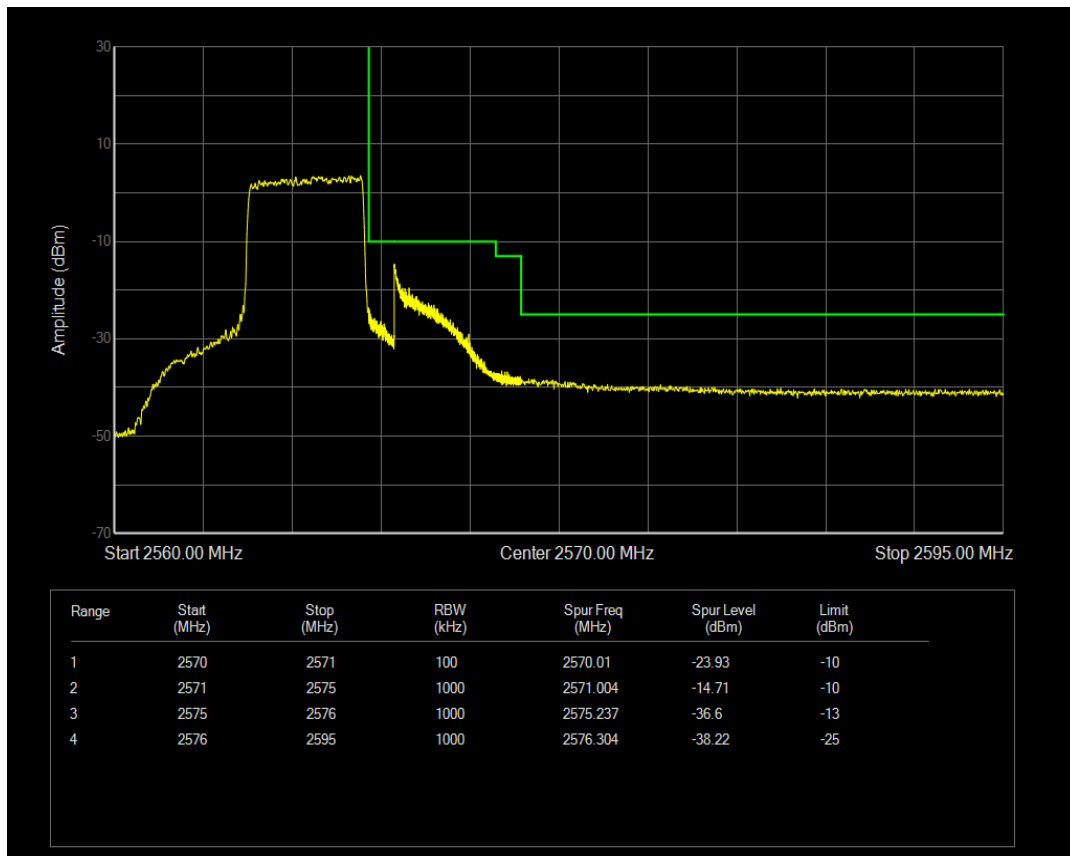
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



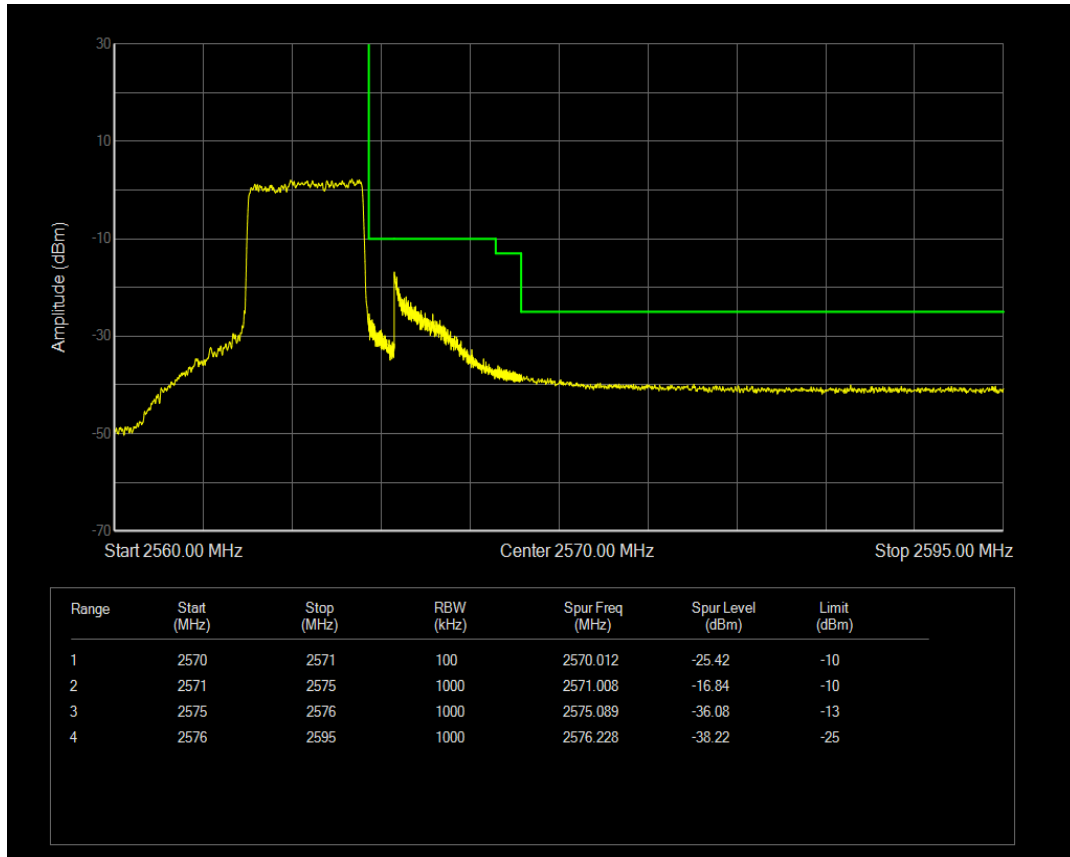
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0



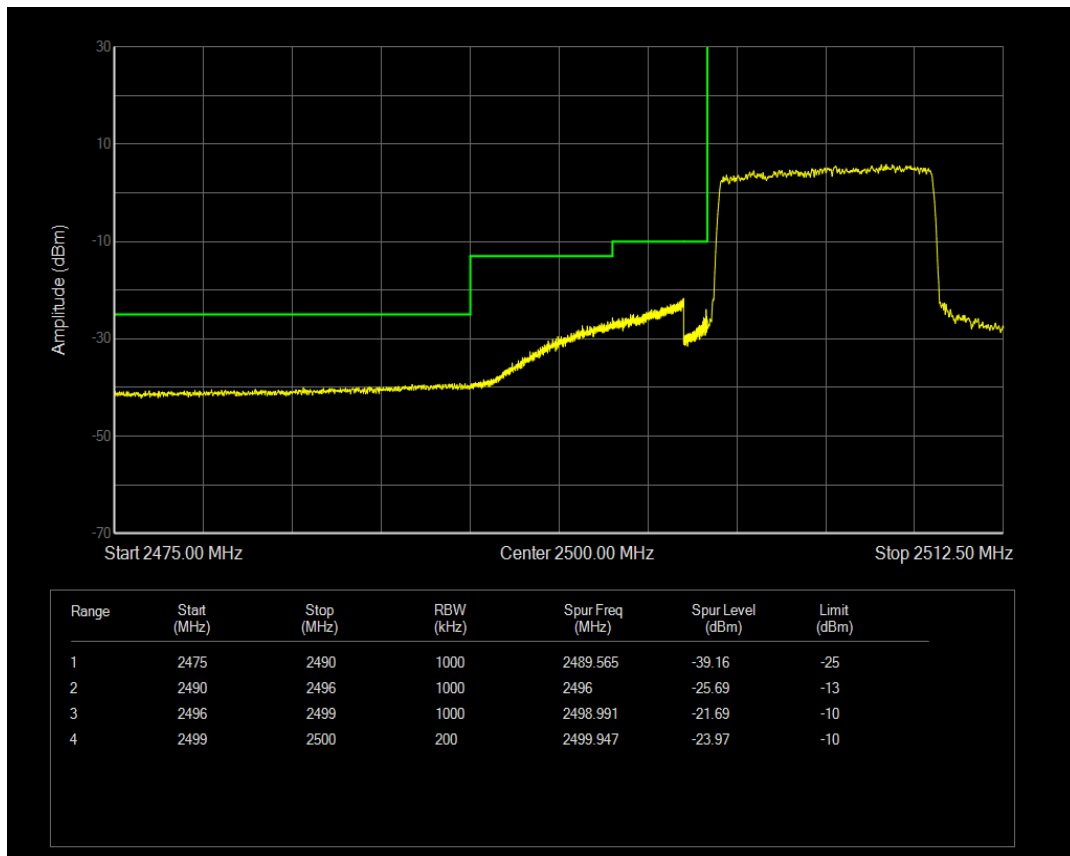
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



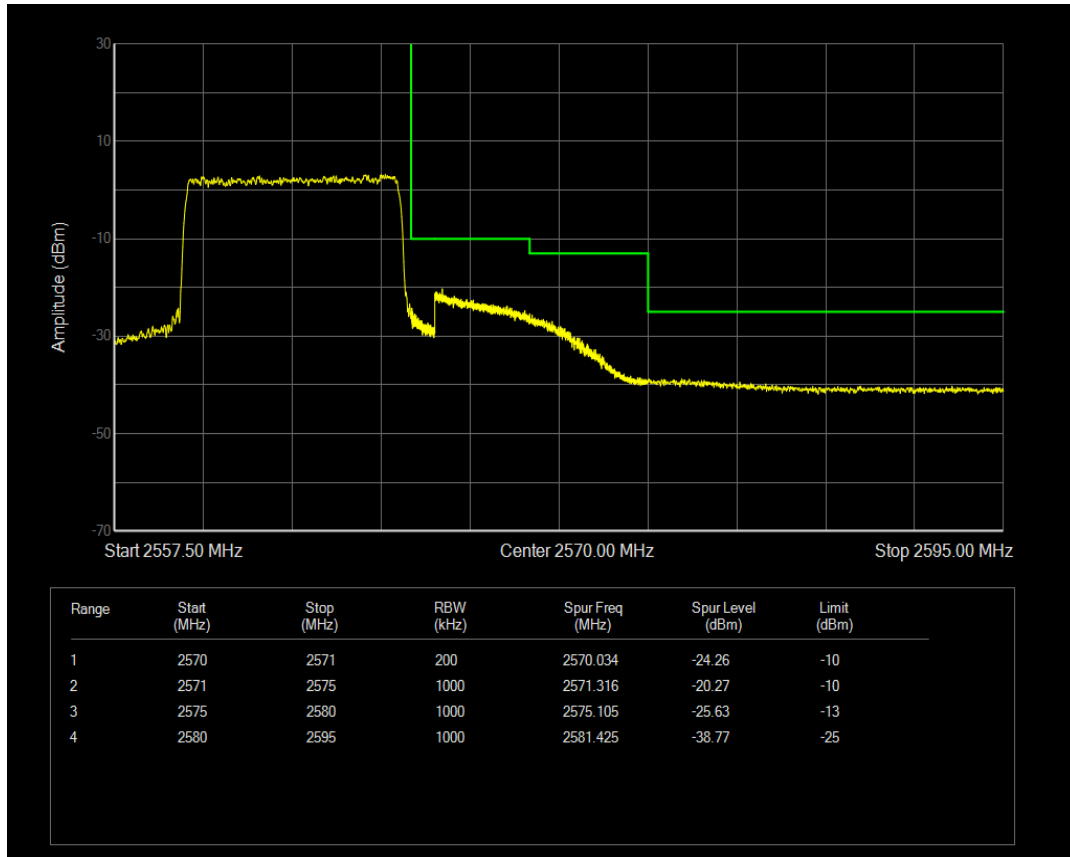
Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0



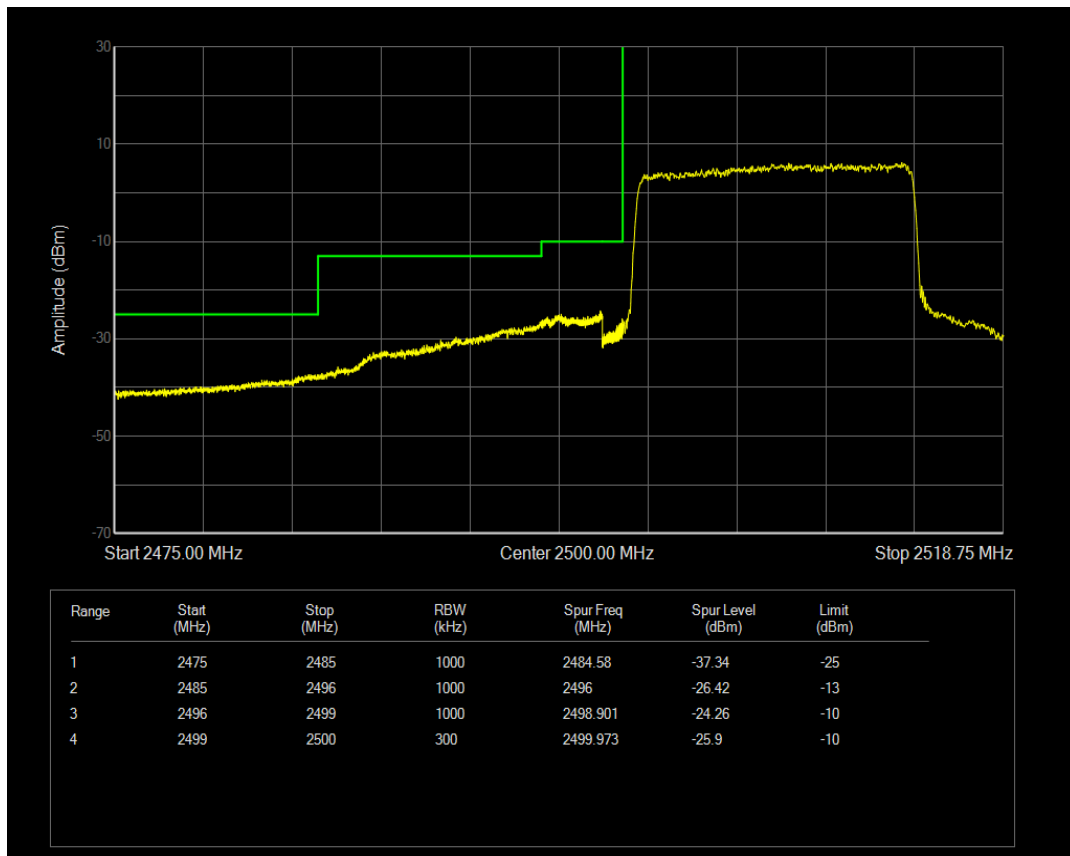
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0



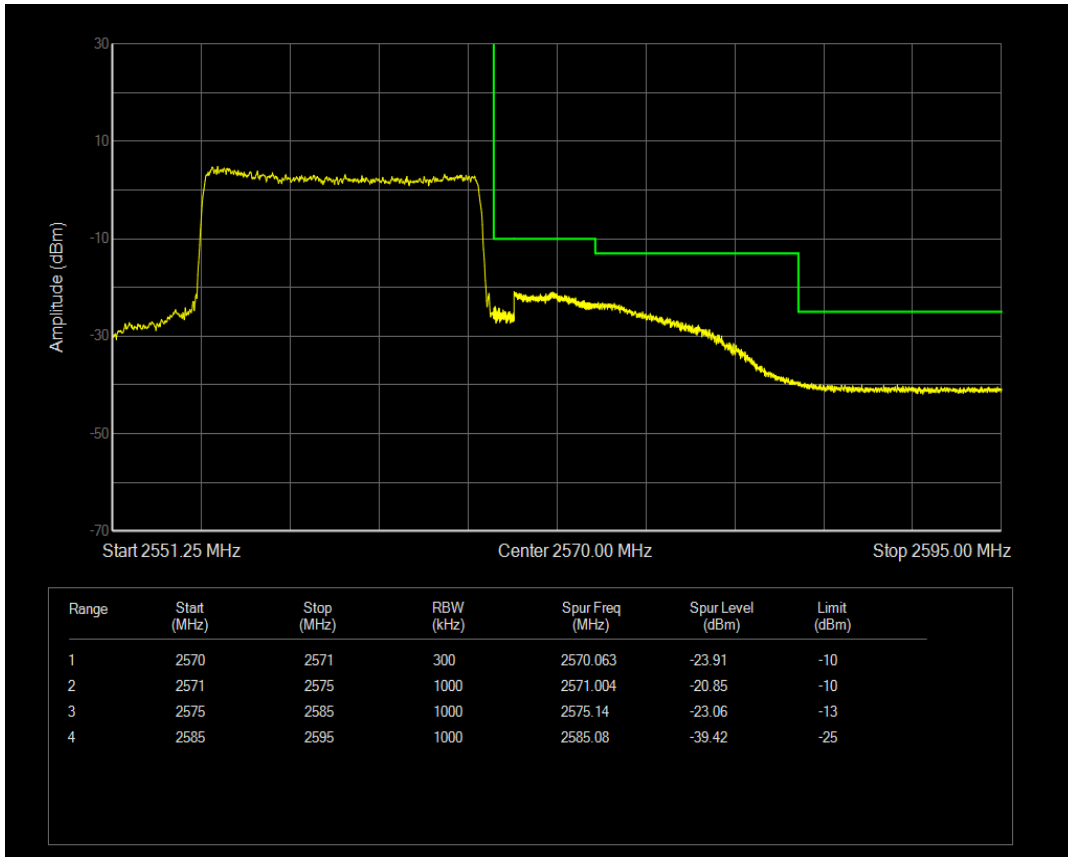
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0



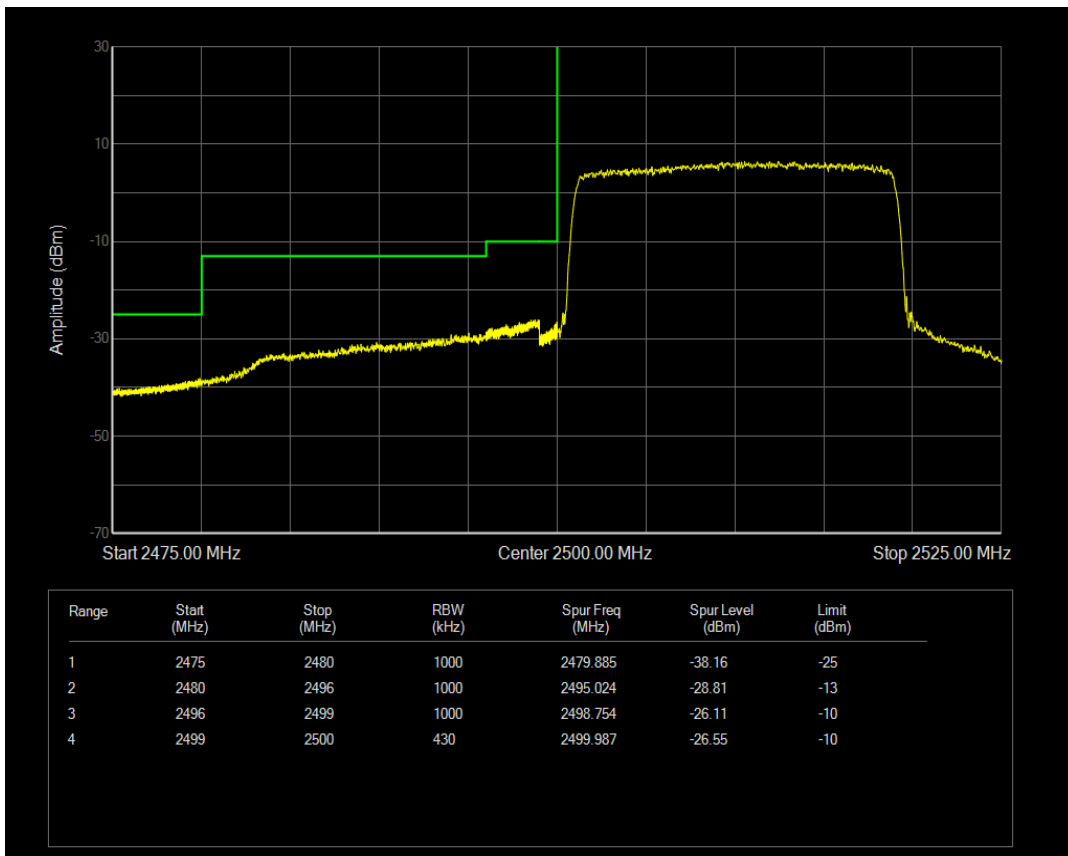
Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0



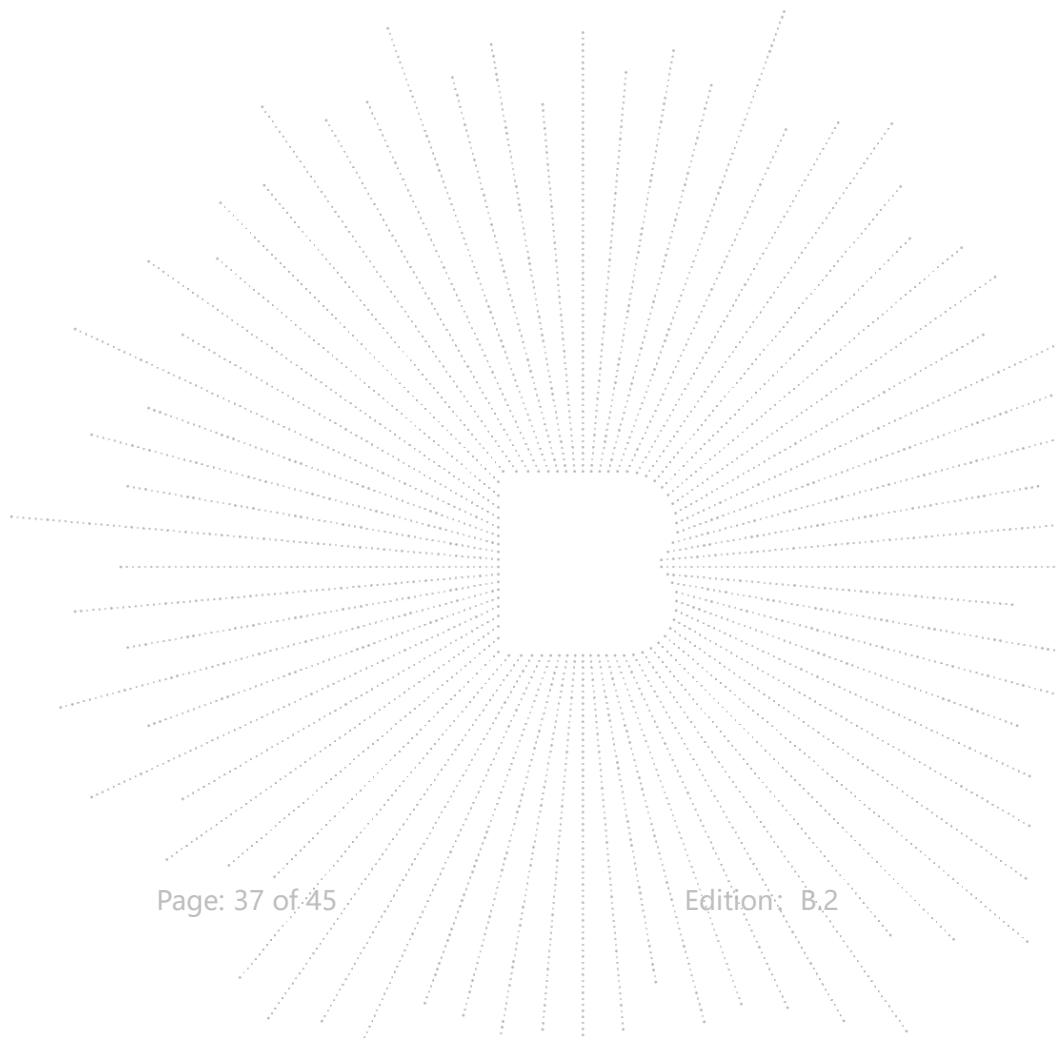
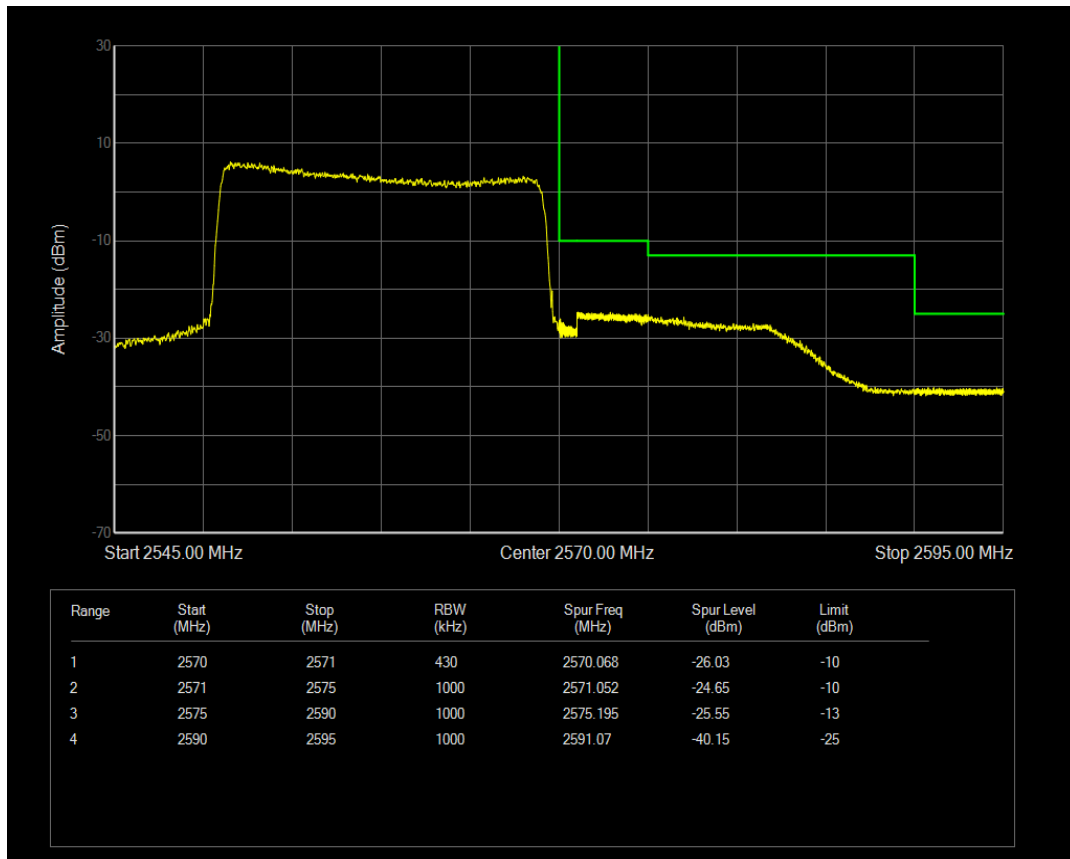
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0



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



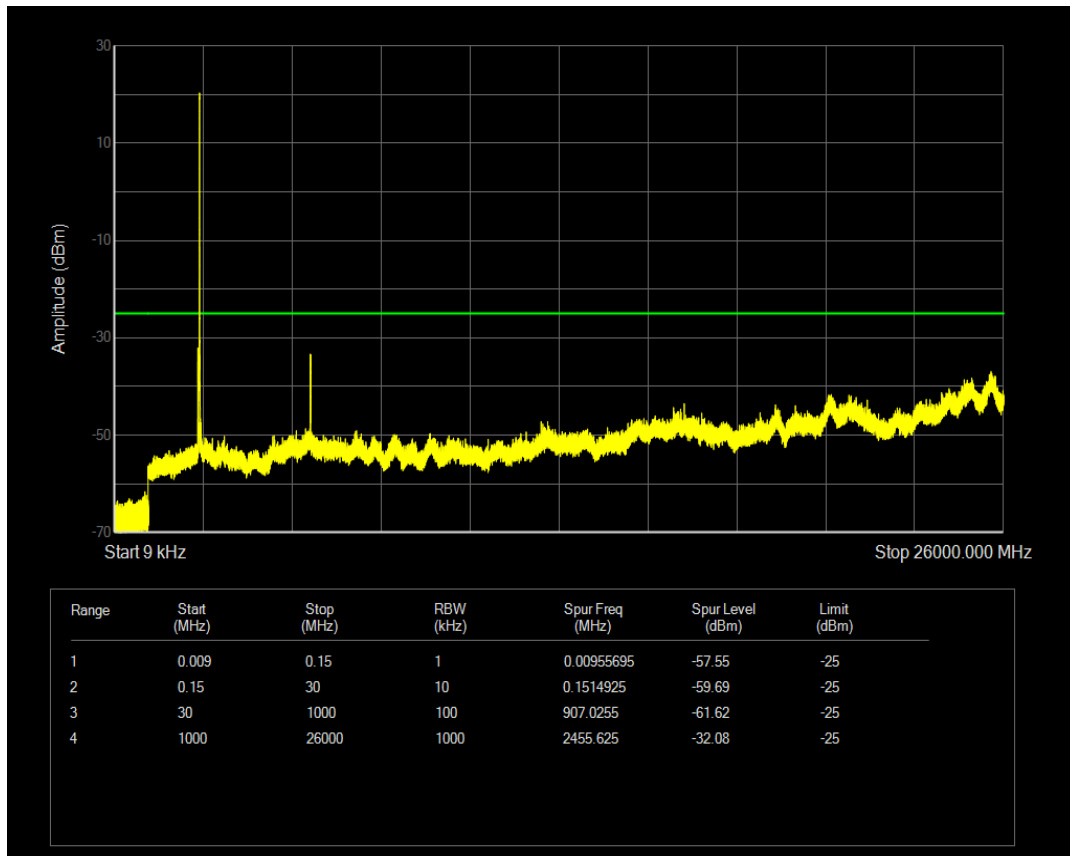
Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



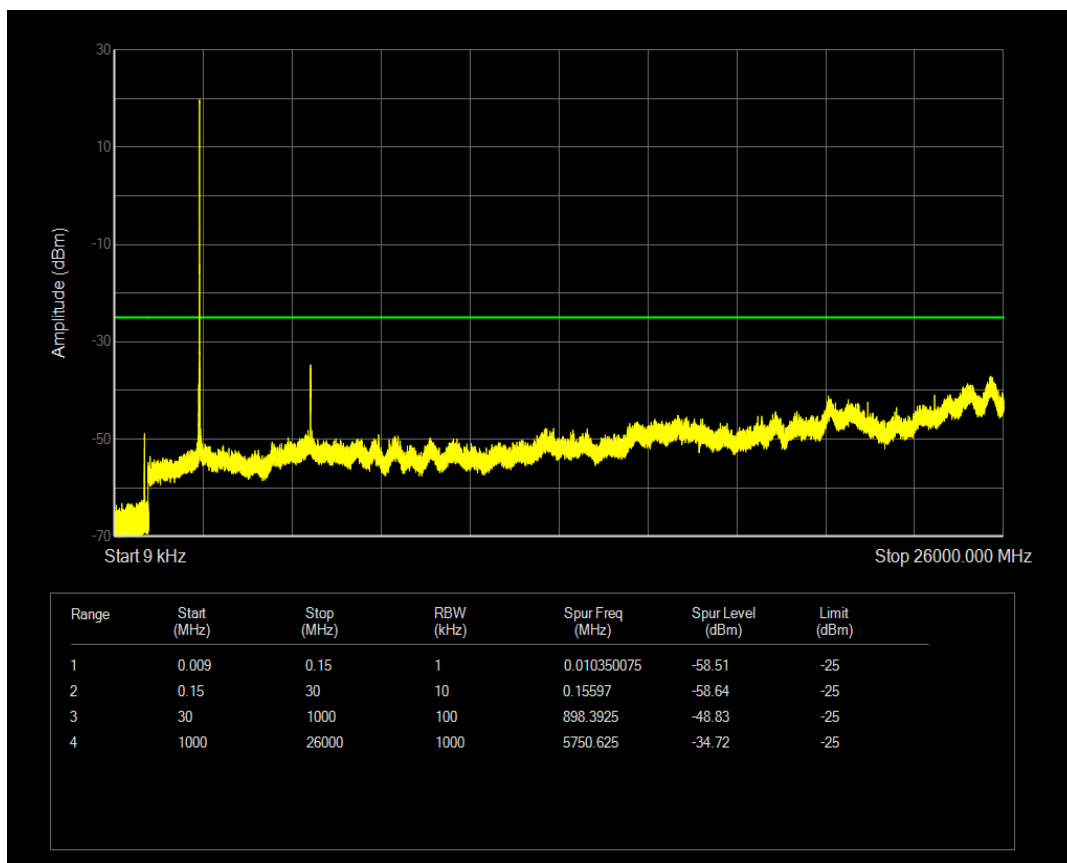
Appendix 6. Out-of-band emissions

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	2455.63	-32.08	-25	PASS
Band7	5	20775	25	#0	16QAM	5750.63	-34.72	-25	PASS
Band7	5	21100	25	#0	QPSK	2456.25	-32.70	-25	PASS
Band7	5	21100	25	#0	16QAM	2455.63	-32.87	-25	PASS
Band7	5	21425	25	#0	QPSK	2456.25	-33.27	-25	PASS
Band7	5	21425	25	#0	16QAM	2455.63	-32.60	-25	PASS
Band7	10	20800	50	#0	QPSK	2455.63	-32.65	-25	PASS
Band7	10	21100	50	#0	QPSK	2455.63	-32.88	-25	PASS
Band7	10	21400	50	#0	QPSK	2455.63	-30.41	-25	PASS
Band7	15	20825	75	#0	QPSK	5750.00	-34.33	-25	PASS
Band7	15	21100	75	#0	QPSK	25686.88	-35.46	-25	PASS
Band7	15	21375	75	#0	QPSK	5740.63	-34.31	-25	PASS
Band7	20	20850	100	#0	QPSK	5750.63	-35.00	-25	PASS
Band7	20	21100	100	#0	QPSK	25634.38	-36.23	-25	PASS
Band7	20	21350	100	#0	QPSK	5751.25	-35.01	-25	PASS

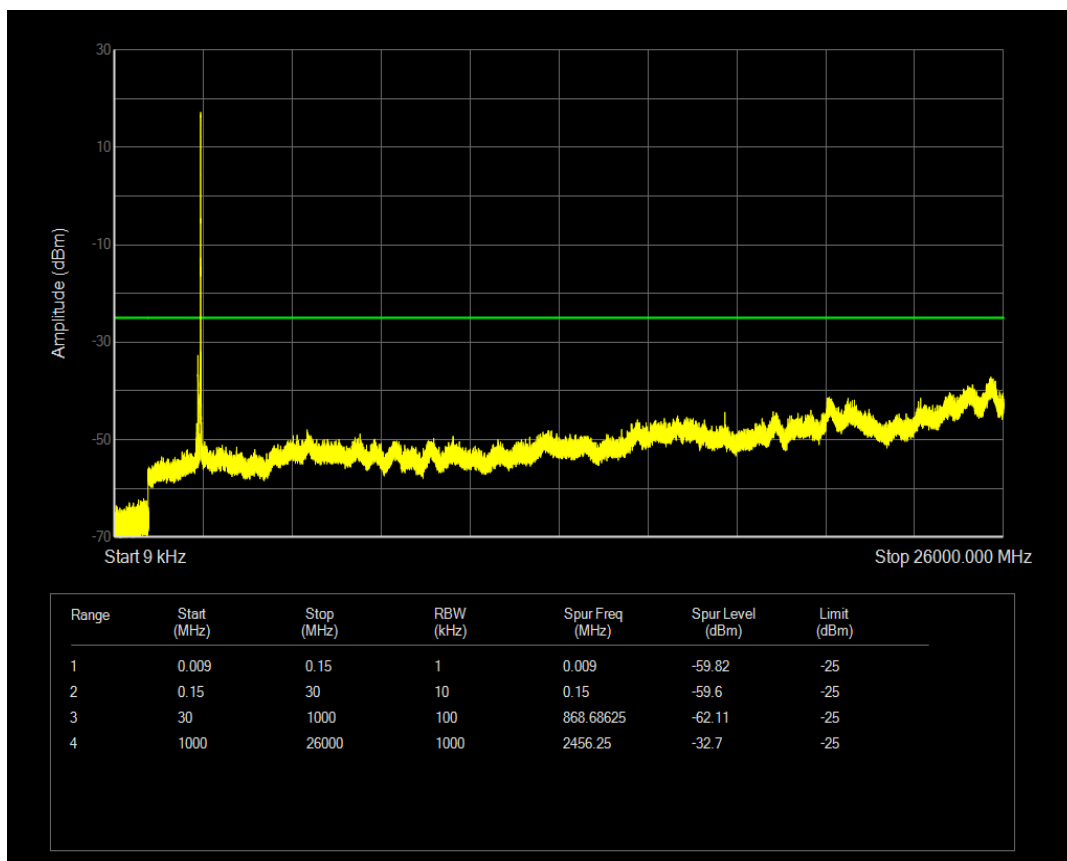
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



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

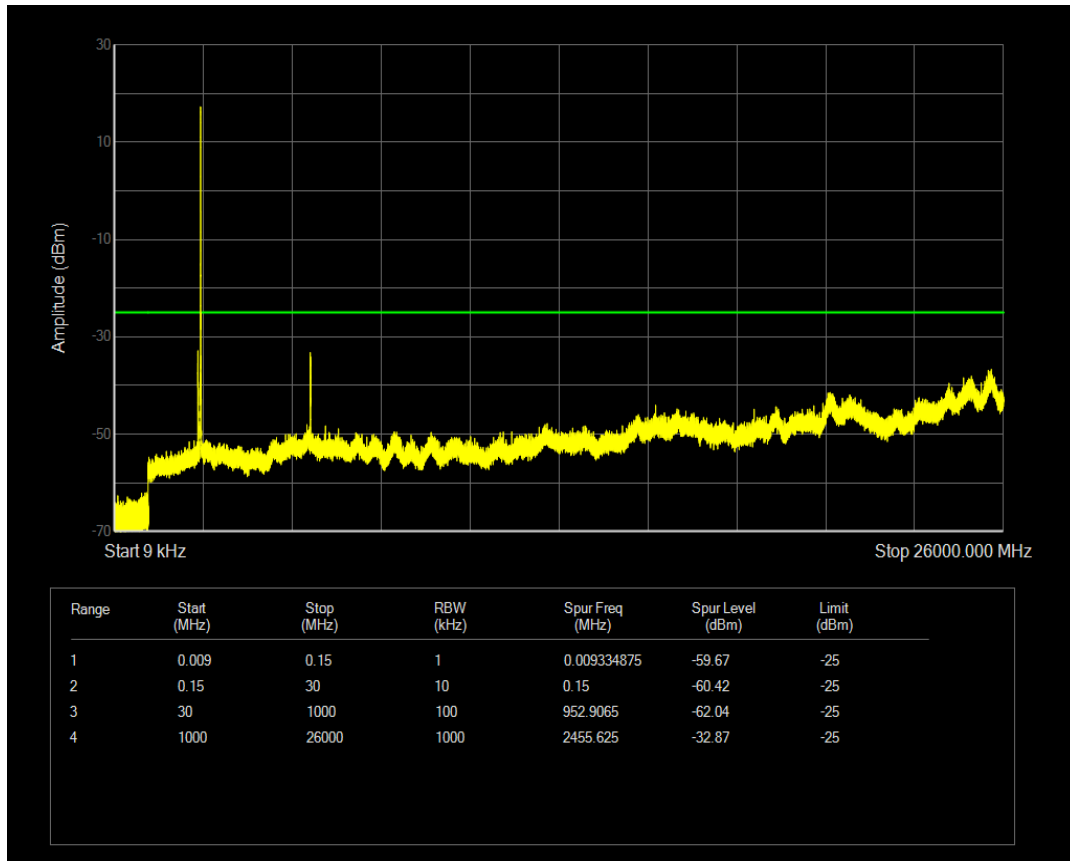


Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0

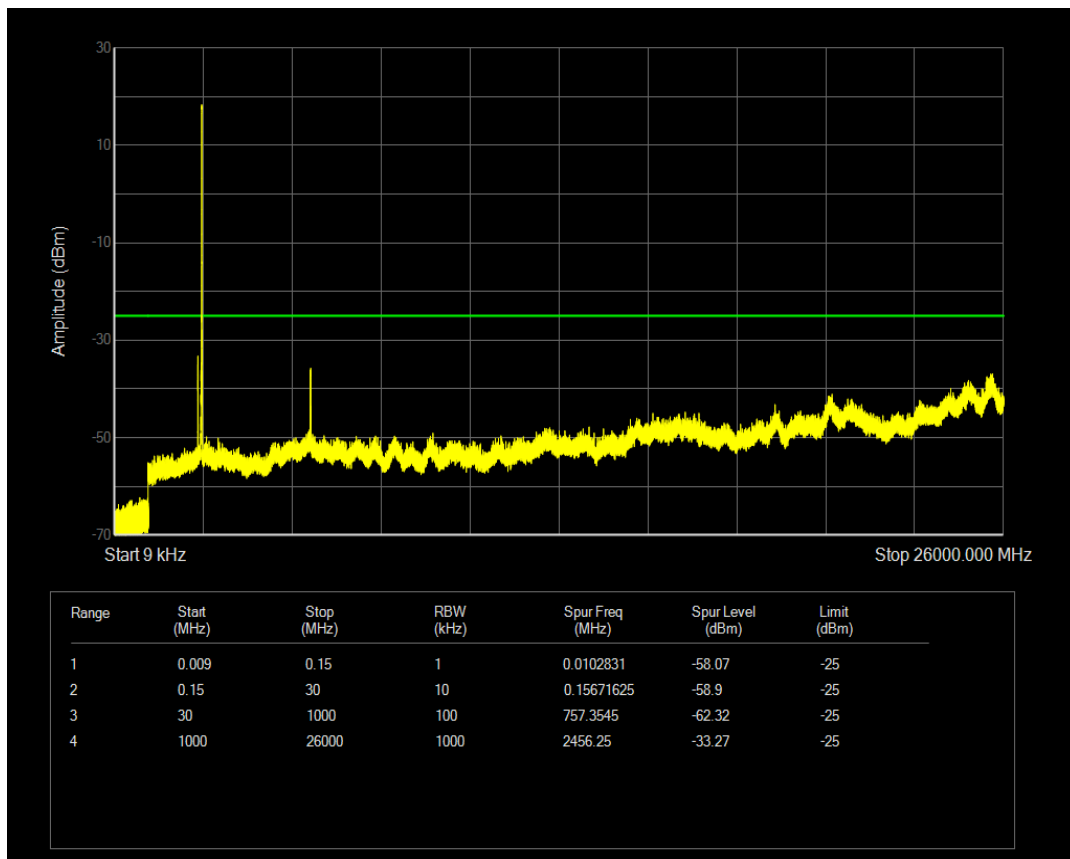




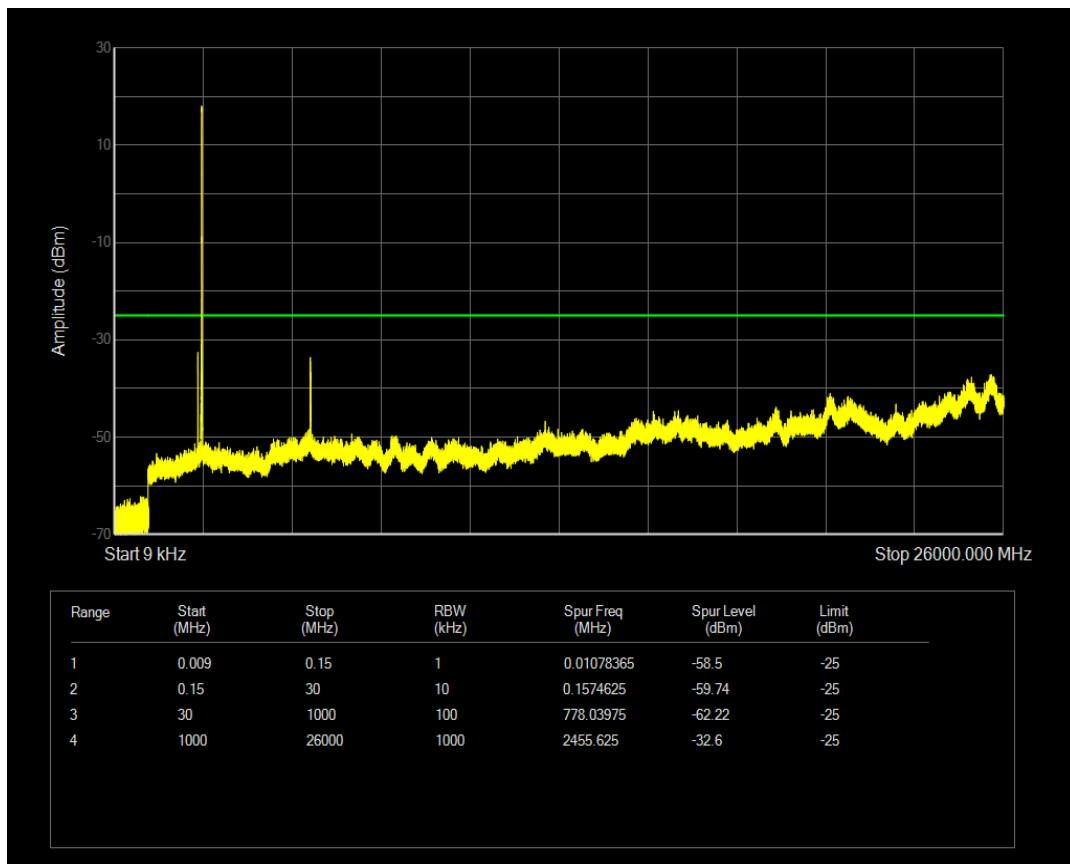
Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0



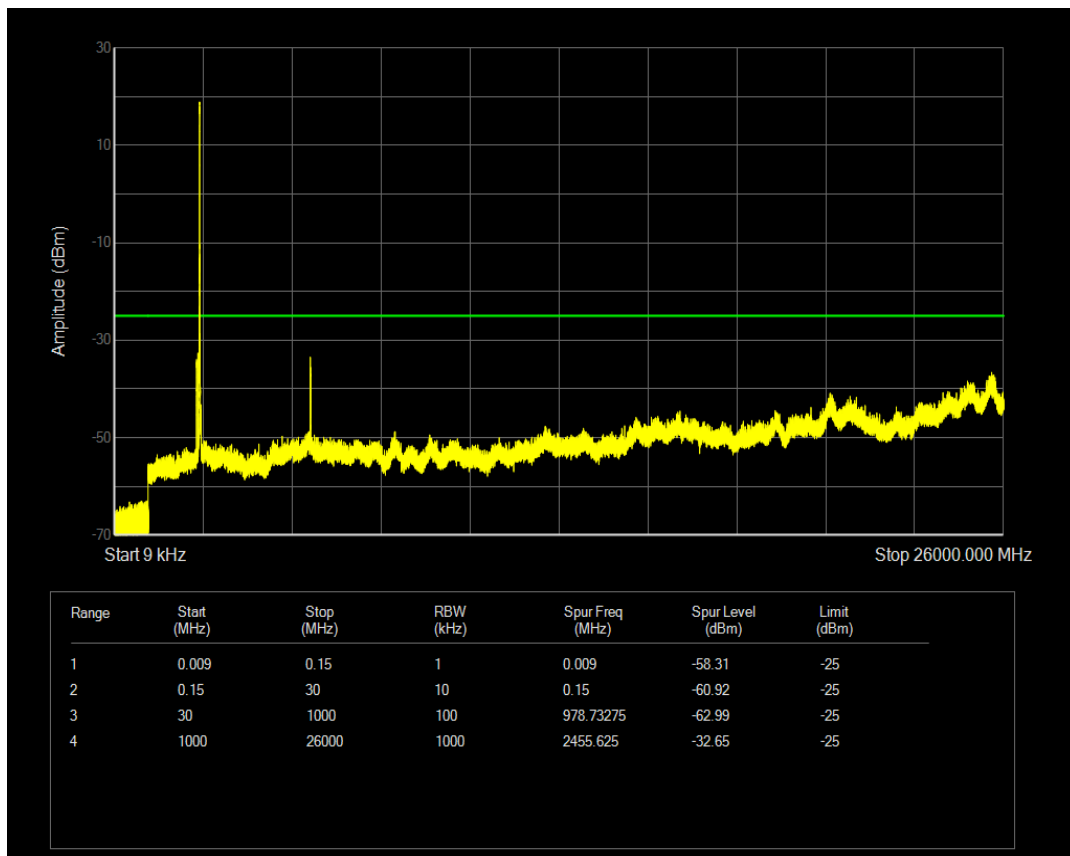
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



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

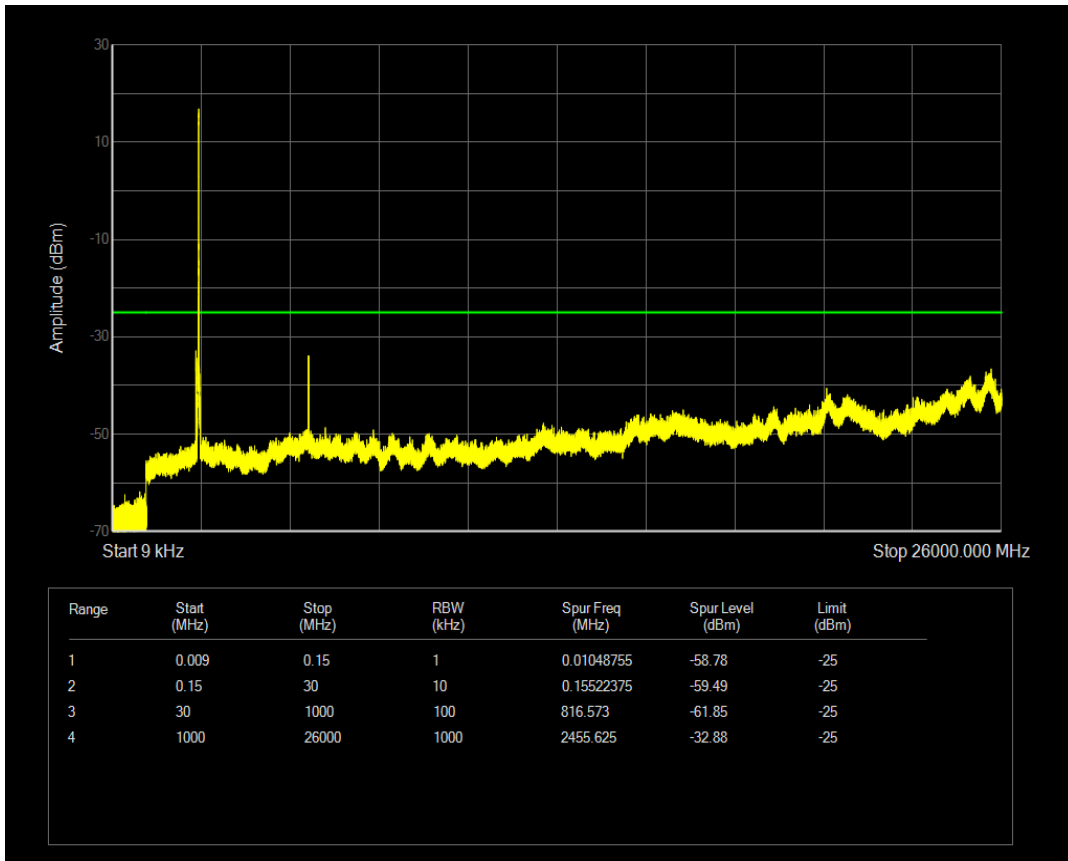


Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0

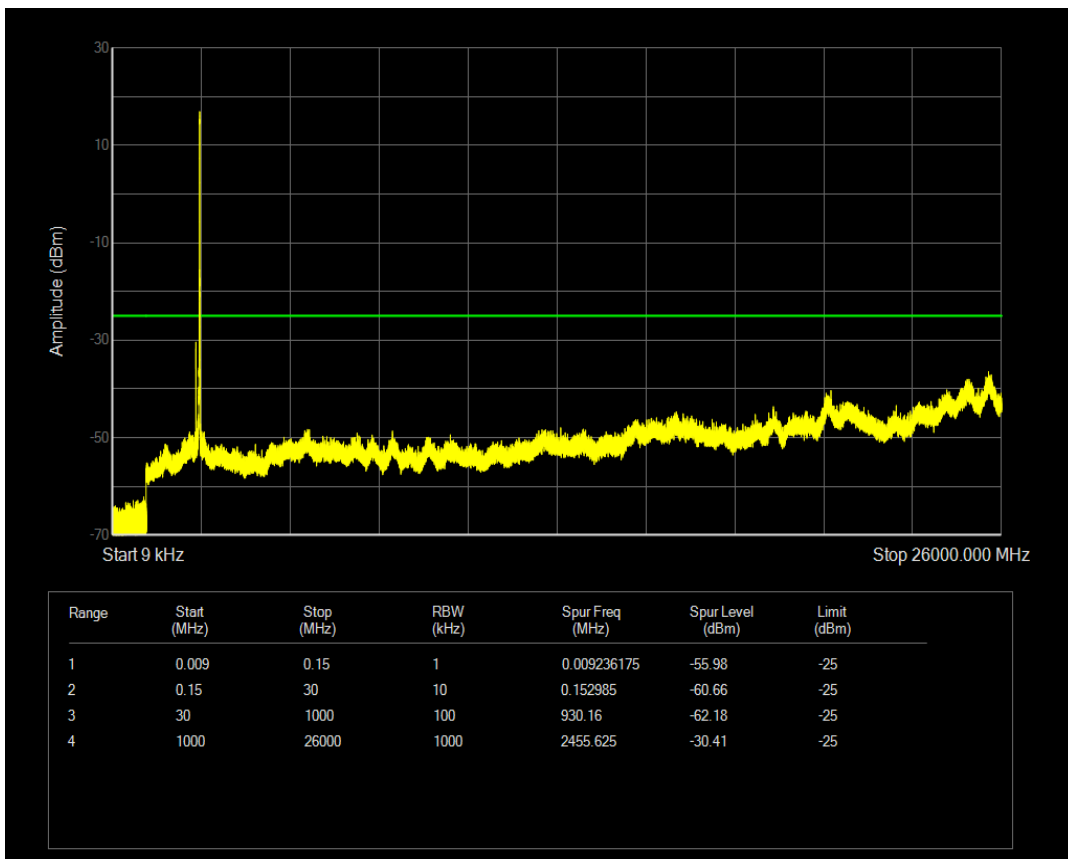




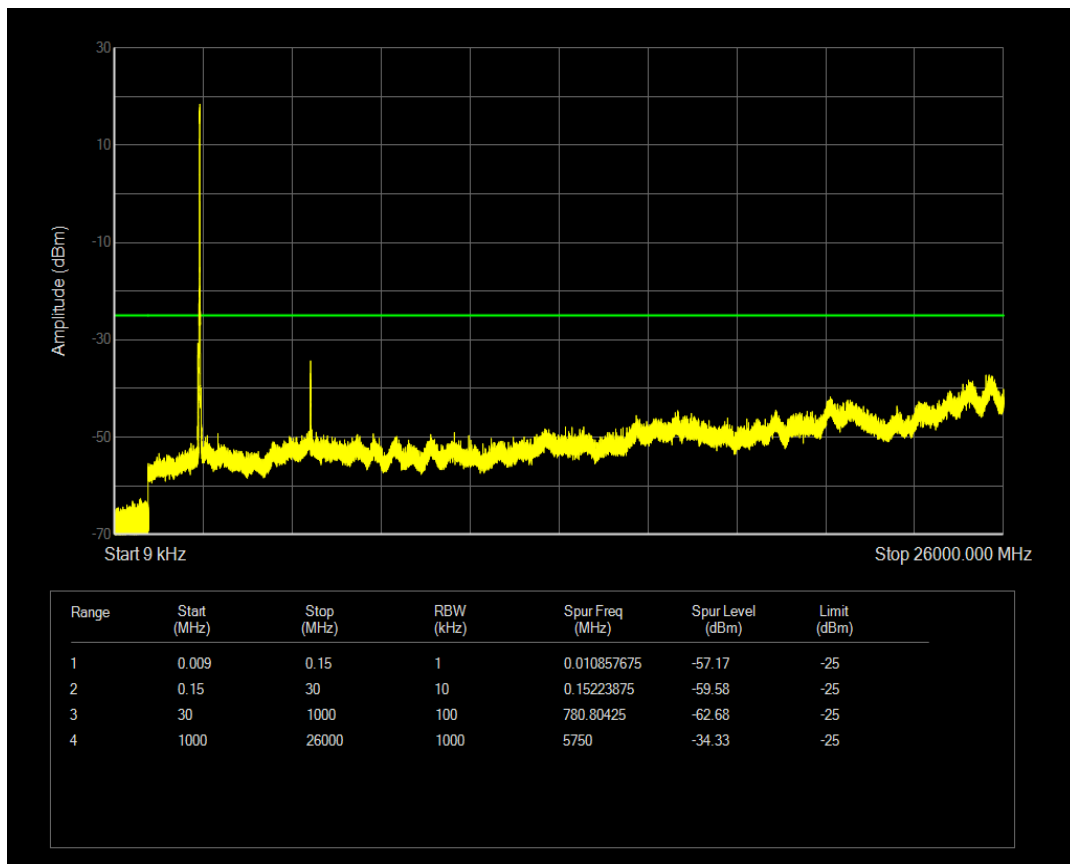
Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0



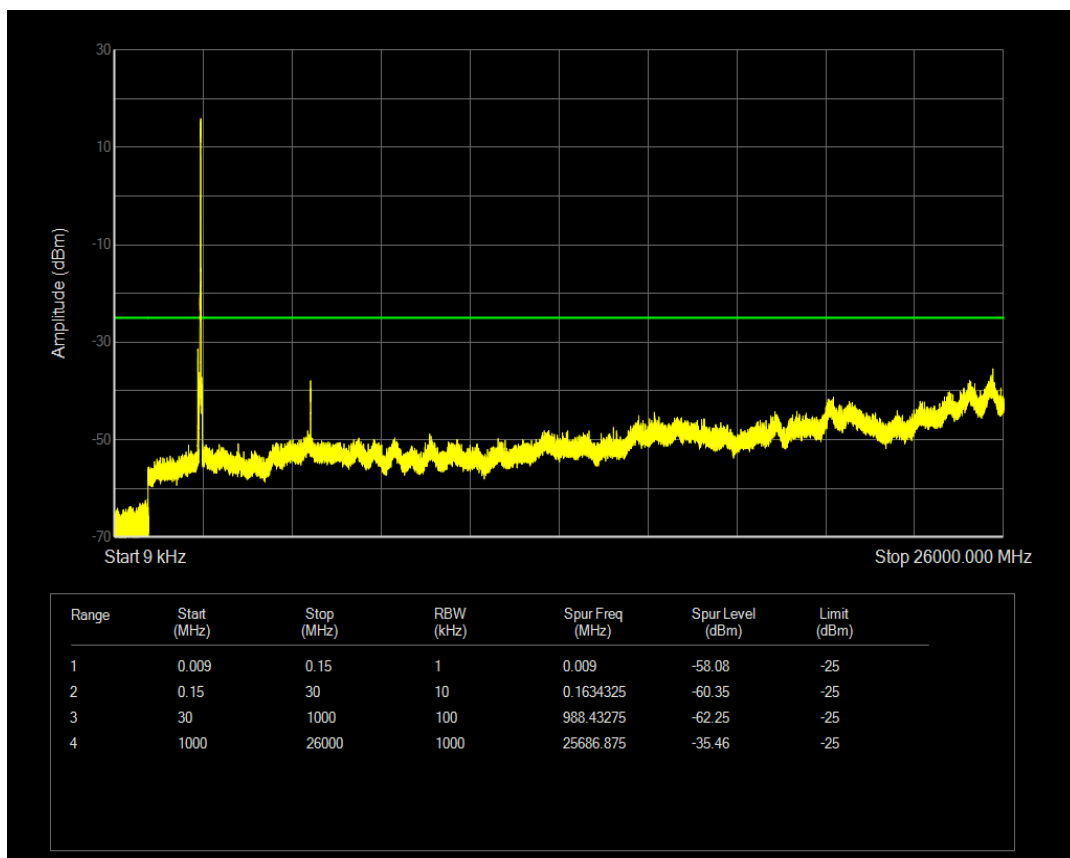
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0



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

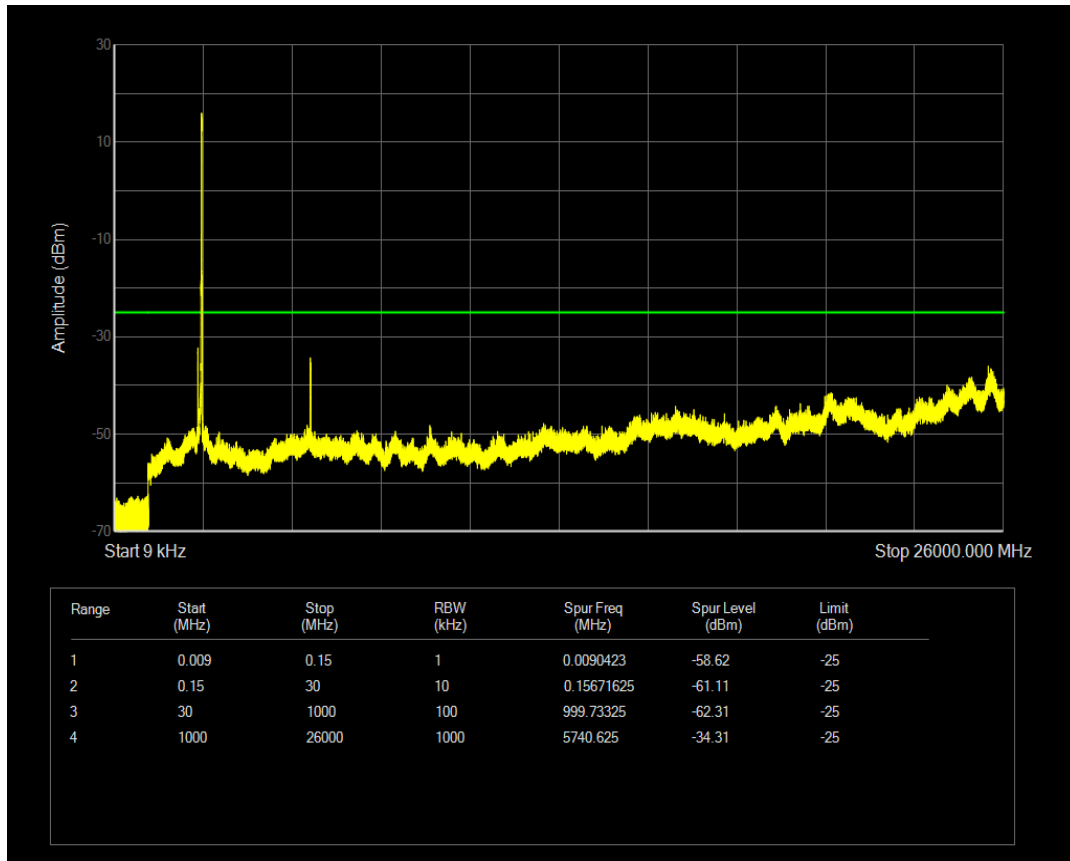


Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0

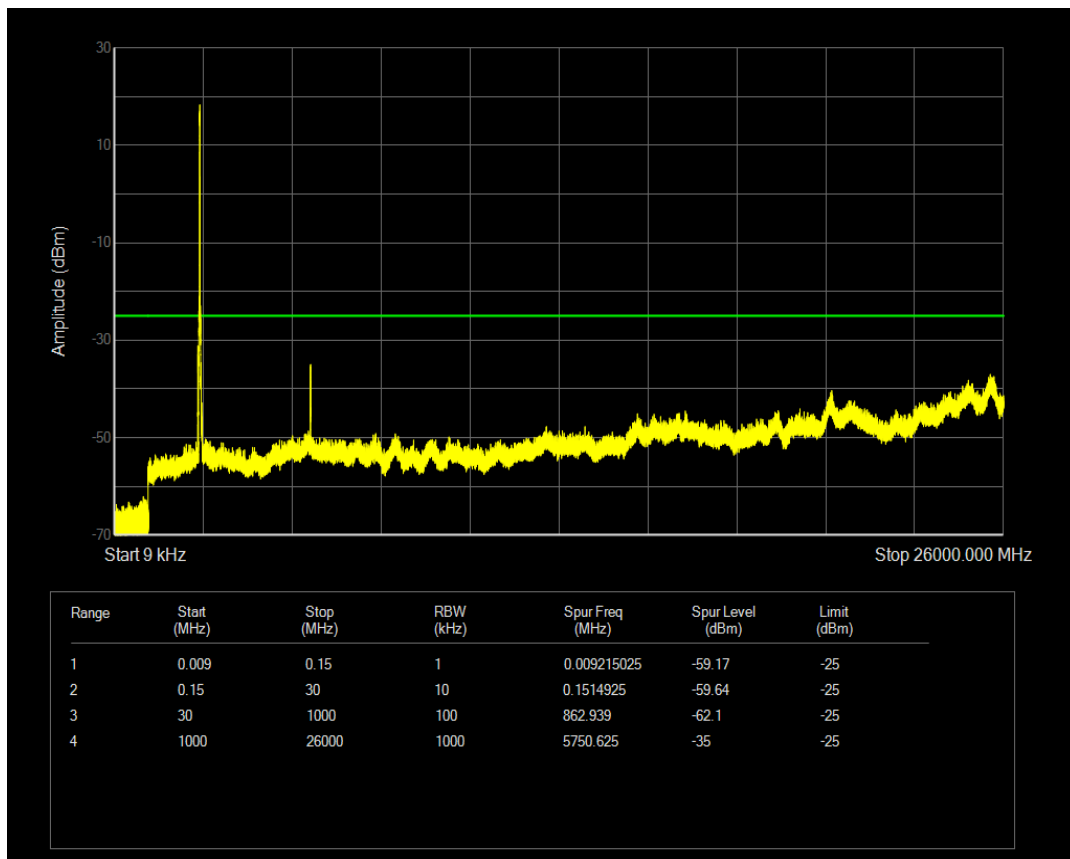




Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0

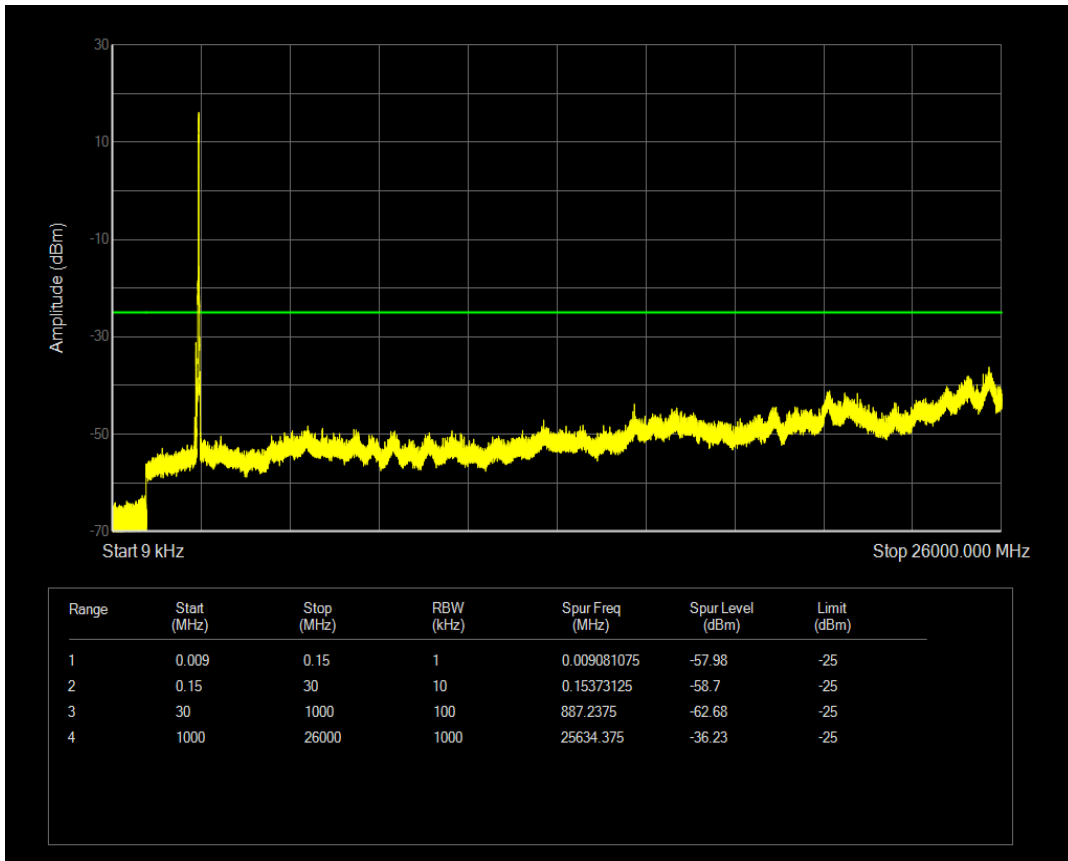


Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0





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



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

