

Appendix for Band 7

Report No.: BCTC2407326662-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart phone

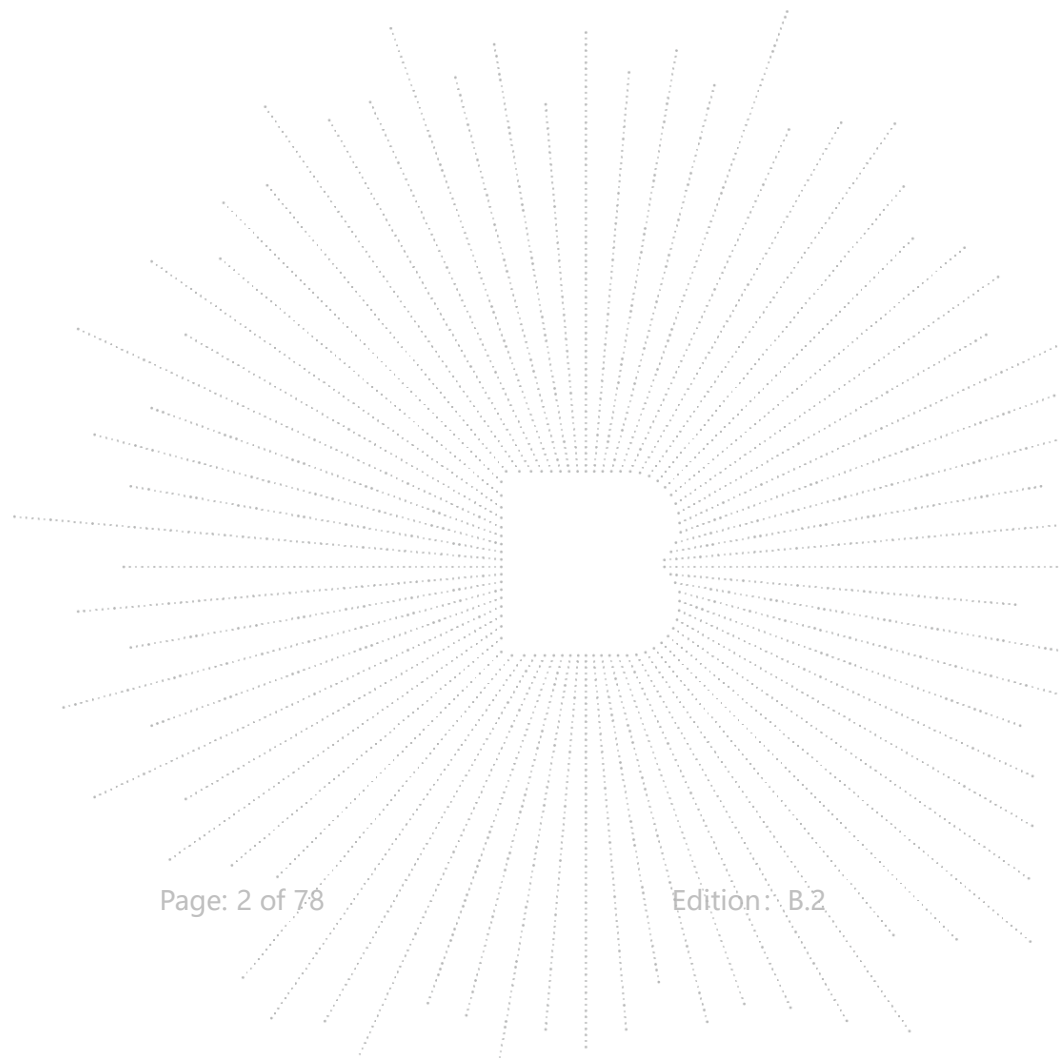
Test Model: S2

Tested Date: 2024-07-15 to 2024-08-12

Shenzhen BCTC Testing Co., Ltd.

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

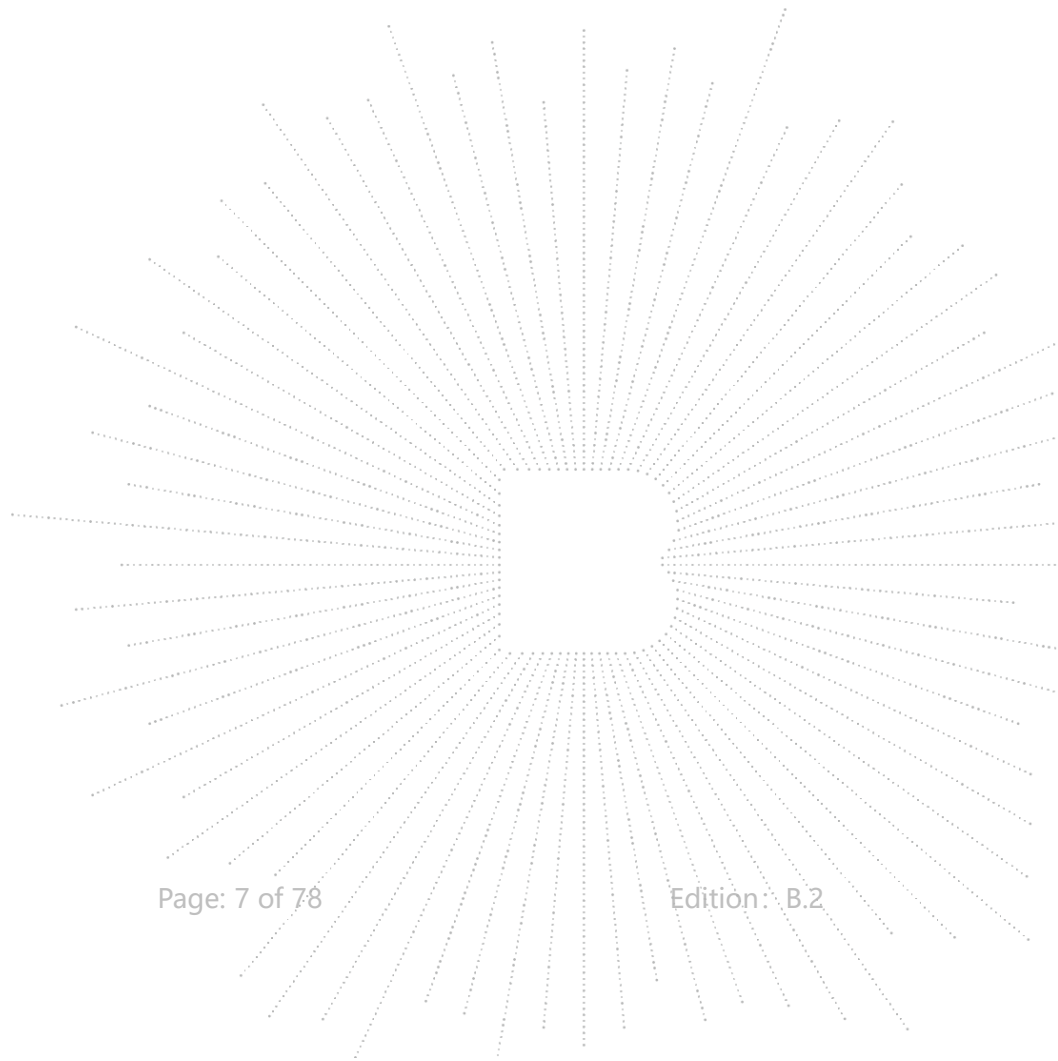
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band7	5	20775	1	#0	QPSK	21.79	-0.54	21.25	PASS
Band7	5	20775	1	#Mid	QPSK	22.19	-0.54	21.65	PASS
Band7	5	20775	1	#Max	QPSK	21.79	-0.54	21.25	PASS
Band7	5	20775	12	#0	QPSK	20.83	-0.54	20.29	PASS
Band7	5	20775	12	#Mid	QPSK	20.90	-0.54	20.36	PASS
Band7	5	20775	12	#Max	QPSK	20.84	-0.54	20.30	PASS
Band7	5	20775	25	#0	QPSK	20.88	-0.54	20.34	PASS
Band7	5	20775	1	#0	16QAM	21.30	-0.54	20.76	PASS
Band7	5	20775	1	#Mid	16QAM	21.68	-0.54	21.14	PASS
Band7	5	20775	1	#Max	16QAM	21.30	-0.54	20.76	PASS
Band7	5	20775	12	#0	16QAM	19.91	-0.54	19.37	PASS
Band7	5	20775	12	#Mid	16QAM	20.01	-0.54	19.47	PASS
Band7	5	20775	12	#Max	16QAM	19.95	-0.54	19.41	PASS
Band7	5	20775	25	#0	16QAM	19.95	-0.54	19.41	PASS
Band7	5	21100	1	#0	QPSK	21.78	-0.54	21.24	PASS
Band7	5	21100	1	#Mid	QPSK	22.13	-0.54	21.59	PASS
Band7	5	21100	1	#Max	QPSK	21.70	-0.54	21.16	PASS
Band7	5	21100	12	#0	QPSK	20.86	-0.54	20.32	PASS
Band7	5	21100	12	#Mid	QPSK	20.90	-0.54	20.36	PASS
Band7	5	21100	12	#Max	QPSK	20.72	-0.54	20.18	PASS
Band7	5	21100	25	#0	QPSK	20.84	-0.54	20.30	PASS
Band7	5	21100	1	#0	16QAM	21.14	-0.54	20.60	PASS
Band7	5	21100	1	#Mid	16QAM	21.48	-0.54	20.94	PASS
Band7	5	21100	1	#Max	16QAM	21.07	-0.54	20.53	PASS
Band7	5	21100	12	#0	16QAM	19.95	-0.54	19.41	PASS
Band7	5	21100	12	#Mid	16QAM	19.98	-0.54	19.44	PASS
Band7	5	21100	12	#Max	16QAM	19.82	-0.54	19.28	PASS
Band7	5	21100	25	#0	16QAM	20.00	-0.54	19.46	PASS
Band7	5	21425	1	#0	QPSK	21.49	-0.54	20.95	PASS
Band7	5	21425	1	#Mid	QPSK	21.90	-0.54	21.36	PASS
Band7	5	21425	1	#Max	QPSK	21.46	-0.54	20.92	PASS
Band7	5	21425	12	#0	QPSK	20.72	-0.54	20.18	PASS
Band7	5	21425	12	#Mid	QPSK	20.68	-0.54	20.14	PASS
Band7	5	21425	12	#Max	QPSK	20.54	-0.54	20.00	PASS
Band7	5	21425	25	#0	QPSK	20.66	-0.54	20.12	PASS

Band7	5	21425	1	#0	16QAM	20.88	-0.54	20.34	PASS
Band7	5	21425	1	#Mid	16QAM	21.23	-0.54	20.69	PASS
Band7	5	21425	1	#Max	16QAM	20.84	-0.54	20.30	PASS
Band7	5	21425	12	#0	16QAM	19.84	-0.54	19.30	PASS
Band7	5	21425	12	#Mid	16QAM	19.87	-0.54	19.33	PASS
Band7	5	21425	12	#Max	16QAM	19.63	-0.54	19.09	PASS
Band7	5	21425	25	#0	16QAM	19.77	-0.54	19.23	PASS
Band7	10	20800	1	#0	QPSK	21.81	-0.54	21.27	PASS
Band7	10	20800	1	#Mid	QPSK	22.01	-0.54	21.47	PASS
Band7	10	20800	1	#Max	QPSK	21.87	-0.54	21.33	PASS
Band7	10	20800	25	#0	QPSK	20.87	-0.54	20.33	PASS
Band7	10	20800	25	#Mid	QPSK	20.95	-0.54	20.41	PASS
Band7	10	20800	25	#Max	QPSK	21.04	-0.54	20.50	PASS
Band7	10	20800	50	#0	QPSK	20.94	-0.54	20.40	PASS
Band7	10	20800	1	#0	16QAM	21.22	-0.54	20.68	PASS
Band7	10	20800	1	#Mid	16QAM	21.38	-0.54	20.84	PASS
Band7	10	20800	1	#Max	16QAM	21.30	-0.54	20.76	PASS
Band7	10	20800	25	#0	16QAM	19.96	-0.54	19.42	PASS
Band7	10	20800	25	#Mid	16QAM	20.07	-0.54	19.53	PASS
Band7	10	20800	25	#Max	16QAM	20.17	-0.54	19.63	PASS
Band7	10	20800	50	#0	16QAM	20.06	-0.54	19.52	PASS
Band7	10	21100	1	#0	QPSK	21.92	-0.54	21.38	PASS
Band7	10	21100	1	#Mid	QPSK	22.03	-0.54	21.49	PASS
Band7	10	21100	1	#Max	QPSK	21.78	-0.54	21.24	PASS
Band7	10	21100	25	#0	QPSK	21.02	-0.54	20.48	PASS
Band7	10	21100	25	#Mid	QPSK	20.90	-0.54	20.36	PASS
Band7	10	21100	25	#Max	QPSK	20.76	-0.54	20.22	PASS
Band7	10	21100	50	#0	QPSK	20.91	-0.54	20.37	PASS
Band7	10	21100	1	#0	16QAM	21.10	-0.54	20.56	PASS
Band7	10	21100	1	#Mid	16QAM	21.19	-0.54	20.65	PASS
Band7	10	21100	1	#Max	16QAM	20.90	-0.54	20.36	PASS
Band7	10	21100	25	#0	16QAM	20.15	-0.54	19.61	PASS
Band7	10	21100	25	#Mid	16QAM	20.06	-0.54	19.52	PASS
Band7	10	21100	25	#Max	16QAM	19.88	-0.54	19.34	PASS
Band7	10	21100	50	#0	16QAM	20.10	-0.54	19.56	PASS
Band7	10	21400	1	#0	QPSK	21.63	-0.54	21.09	PASS
Band7	10	21400	1	#Mid	QPSK	21.78	-0.54	21.24	PASS
Band7	10	21400	1	#Max	QPSK	21.56	-0.54	21.02	PASS
Band7	10	21400	25	#0	QPSK	20.80	-0.54	20.26	PASS
Band7	10	21400	25	#Mid	QPSK	20.70	-0.54	20.16	PASS
Band7	10	21400	25	#Max	QPSK	20.59	-0.54	20.05	PASS
Band7	10	21400	50	#0	QPSK	20.72	-0.54	20.18	PASS

Band7	10	21400	1	#0	16QAM	21.07	-0.54	20.53	PASS
Band7	10	21400	1	#Mid	16QAM	21.23	-0.54	20.69	PASS
Band7	10	21400	1	#Max	16QAM	21.04	-0.54	20.50	PASS
Band7	10	21400	25	#0	16QAM	19.90	-0.54	19.36	PASS
Band7	10	21400	25	#Mid	16QAM	0.00	-0.54	-0.54	PASS
Band7	10	21400	25	#Max	16QAM	0.00	-0.54	-0.54	PASS
Band7	10	21400	50	#0	16QAM	0.00	-0.54	-0.54	PASS
Band7	15	20825	1	#0	QPSK	21.72	-0.54	21.18	PASS
Band7	15	20825	1	#Mid	QPSK	22.18	-0.54	21.64	PASS
Band7	15	20825	1	#Max	QPSK	21.79	-0.54	21.25	PASS
Band7	15	20825	36	#0	QPSK	20.85	-0.54	20.31	PASS
Band7	15	20825	36	#Mid	QPSK	20.99	-0.54	20.45	PASS
Band7	15	20825	36	#Max	QPSK	20.99	-0.54	20.45	PASS
Band7	15	20825	75	#0	QPSK	20.94	-0.54	20.40	PASS
Band7	15	20825	1	#0	16QAM	20.86	-0.54	20.32	PASS
Band7	15	20825	1	#Mid	16QAM	21.28	-0.54	20.74	PASS
Band7	15	20825	1	#Max	16QAM	20.99	-0.54	20.45	PASS
Band7	15	20825	36	#0	16QAM	19.96	-0.54	19.42	PASS
Band7	15	20825	36	#Mid	16QAM	20.08	-0.54	19.54	PASS
Band7	15	20825	36	#Max	16QAM	20.11	-0.54	19.57	PASS
Band7	15	20825	75	#0	16QAM	20.00	-0.54	19.46	PASS
Band7	15	21100	1	#0	QPSK	21.85	-0.54	21.31	PASS
Band7	15	21100	1	#Mid	QPSK	22.18	-0.54	21.64	PASS
Band7	15	21100	1	#Max	QPSK	21.56	-0.54	21.02	PASS
Band7	15	21100	36	#0	QPSK	20.95	-0.54	20.41	PASS
Band7	15	21100	36	#Mid	QPSK	20.87	-0.54	20.33	PASS
Band7	15	21100	36	#Max	QPSK	20.69	-0.54	20.15	PASS
Band7	15	21100	75	#0	QPSK	20.85	-0.54	20.31	PASS
Band7	15	21100	1	#0	16QAM	20.91	-0.54	20.37	PASS
Band7	15	21100	1	#Mid	16QAM	21.22	-0.54	20.68	PASS
Band7	15	21100	1	#Max	16QAM	20.67	-0.54	20.13	PASS
Band7	15	21100	36	#0	16QAM	20.05	-0.54	19.51	PASS
Band7	15	21100	36	#Mid	16QAM	19.93	-0.54	19.39	PASS
Band7	15	21100	36	#Max	16QAM	19.75	-0.54	19.21	PASS
Band7	15	21100	75	#0	16QAM	19.99	-0.54	19.45	PASS
Band7	15	21375	1	#0	QPSK	21.53	-0.54	20.99	PASS
Band7	15	21375	1	#Mid	QPSK	22.02	-0.54	21.48	PASS
Band7	15	21375	1	#Max	QPSK	21.40	-0.54	20.86	PASS
Band7	15	21375	36	#0	QPSK	20.66	-0.54	20.12	PASS
Band7	15	21375	36	#Mid	QPSK	20.69	-0.54	20.15	PASS
Band7	15	21375	36	#Max	QPSK	20.53	-0.54	19.99	PASS
Band7	15	21375	75	#0	QPSK	20.59	-0.54	20.05	PASS

Band7	15	21375	1	#0	16QAM	20.97	-0.54	20.43	PASS
Band7	15	21375	1	#Mid	16QAM	21.31	-0.54	20.77	PASS
Band7	15	21375	1	#Max	16QAM	20.86	-0.54	20.32	PASS
Band7	15	21375	36	#0	16QAM	19.75	-0.54	19.21	PASS
Band7	15	21375	36	#Mid	16QAM	19.81	-0.54	19.27	PASS
Band7	15	21375	36	#Max	16QAM	19.64	-0.54	19.10	PASS
Band7	15	21375	75	#0	16QAM	19.70	-0.54	19.16	PASS
Band7	20	20850	1	#0	QPSK	21.53	-0.54	20.99	PASS
Band7	20	20850	1	#Mid	QPSK	22.04	-0.54	21.50	PASS
Band7	20	20850	1	#Max	QPSK	21.72	-0.54	21.18	PASS
Band7	20	20850	50	#0	QPSK	20.73	-0.54	20.19	PASS
Band7	20	20850	50	#Mid	QPSK	20.94	-0.54	20.40	PASS
Band7	20	20850	50	#Max	QPSK	21.01	-0.54	20.47	PASS
Band7	20	20850	100	#0	QPSK	20.90	-0.54	20.36	PASS
Band7	20	20850	1	#0	16QAM	20.85	-0.54	20.31	PASS
Band7	20	20850	1	#Mid	16QAM	21.36	-0.54	20.82	PASS
Band7	20	20850	1	#Max	16QAM	21.00	-0.54	20.46	PASS
Band7	20	20850	50	#0	16QAM	19.91	-0.54	19.37	PASS
Band7	20	20850	50	#Mid	16QAM	20.09	-0.54	19.55	PASS
Band7	20	20850	50	#Max	16QAM	20.19	-0.54	19.65	PASS
Band7	20	20850	100	#0	16QAM	20.02	-0.54	19.48	PASS
Band7	20	21100	1	#0	QPSK	21.79	-0.54	21.25	PASS
Band7	20	21100	1	#Mid	QPSK	22.04	-0.54	21.50	PASS
Band7	20	21100	1	#Max	QPSK	21.45	-0.54	20.91	PASS
Band7	20	21100	50	#0	QPSK	21.16	-0.54	20.62	PASS
Band7	20	21100	50	#Mid	QPSK	20.89	-0.54	20.35	PASS
Band7	20	21100	50	#Max	QPSK	20.62	-0.54	20.08	PASS
Band7	20	21100	100	#0	QPSK	20.93	-0.54	20.39	PASS
Band7	20	21100	1	#0	16QAM	21.00	-0.54	20.46	PASS
Band7	20	21100	1	#Mid	16QAM	21.29	-0.54	20.75	PASS
Band7	20	21100	1	#Max	16QAM	20.75	-0.54	20.21	PASS
Band7	20	21100	50	#0	16QAM	20.25	-0.54	19.71	PASS
Band7	20	21100	50	#Mid	16QAM	20.01	-0.54	19.47	PASS
Band7	20	21100	50	#Max	16QAM	19.75	-0.54	19.21	PASS
Band7	20	21100	100	#0	16QAM	20.04	-0.54	19.50	PASS
Band7	20	21350	1	#0	QPSK	21.40	-0.54	20.86	PASS
Band7	20	21350	1	#Mid	QPSK	21.83	-0.54	21.29	PASS
Band7	20	21350	1	#Max	QPSK	21.32	-0.54	20.78	PASS
Band7	20	21350	50	#0	QPSK	20.62	-0.54	20.08	PASS
Band7	20	21350	50	#Mid	QPSK	20.69	-0.54	20.15	PASS
Band7	20	21350	50	#Max	QPSK	20.44	-0.54	19.90	PASS
Band7	20	21350	100	#0	QPSK	20.58	-0.54	20.04	PASS

Band7	20	21350	1	#0	16QAM	20.62	-0.54	20.08	PASS
Band7	20	21350	1	#Mid	16QAM	21.07	-0.54	20.53	PASS
Band7	20	21350	1	#Max	16QAM	20.55	-0.54	20.01	PASS
Band7	20	21350	50	#0	16QAM	19.77	-0.54	19.23	PASS
Band7	20	21350	50	#Mid	16QAM	19.84	-0.54	19.30	PASS
Band7	20	21350	50	#Max	16QAM	19.57	-0.54	19.03	PASS
Band7	20	21350	100	#0	16QAM	19.69	-0.54	19.15	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	-10.13	-0.004	PASS
Band7	5	20775	25	#0	QPSK	NV	NT	-16.59	-0.007	PASS
Band7	5	20775	25	#0	QPSK	HV	NT	-21.10	-0.008	PASS
Band7	5	20775	25	#0	16QAM	LV	NT	-10.51	-0.004	PASS
Band7	5	20775	25	#0	16QAM	NV	NT	-2.73	-0.001	PASS
Band7	5	20775	25	#0	16QAM	HV	NT	-7.00	-0.003	PASS
Band7	5	21100	25	#0	QPSK	LV	NT	-6.87	-0.003	PASS
Band7	5	21100	25	#0	QPSK	NV	NT	-4.41	-0.002	PASS
Band7	5	21100	25	#0	QPSK	HV	NT	-4.42	-0.002	PASS
Band7	5	21100	25	#0	16QAM	LV	NT	-6.75	-0.003	PASS
Band7	5	21100	25	#0	16QAM	NV	NT	-3.91	-0.002	PASS
Band7	5	21100	25	#0	16QAM	HV	NT	-10.34	-0.004	PASS
Band7	5	21425	25	#0	QPSK	LV	NT	-6.09	-0.002	PASS
Band7	5	21425	25	#0	QPSK	NV	NT	-7.91	-0.003	PASS
Band7	5	21425	25	#0	QPSK	HV	NT	-7.08	-0.003	PASS
Band7	5	21425	25	#0	16QAM	LV	NT	-5.76	-0.002	PASS
Band7	5	21425	25	#0	16QAM	NV	NT	-9.24	-0.004	PASS
Band7	5	21425	25	#0	16QAM	HV	NT	-9.67	-0.004	PASS
Band7	10	20800	50	#0	QPSK	LV	NT	-2.32	-0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	NT	-8.27	-0.003	PASS
Band7	10	20800	50	#0	QPSK	HV	NT	-3.00	-0.001	PASS
Band7	10	20800	50	#0	16QAM	LV	NT	-3.93	-0.002	PASS
Band7	10	20800	50	#0	16QAM	NV	NT	-6.71	-0.003	PASS
Band7	10	20800	50	#0	16QAM	HV	NT	-4.68	-0.002	PASS
Band7	10	21100	50	#0	QPSK	LV	NT	-4.85	-0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	NT	-3.09	-0.001	PASS
Band7	10	21100	50	#0	QPSK	HV	NT	-1.36	-0.001	PASS
Band7	10	21100	50	#0	16QAM	LV	NT	-12.36	-0.005	PASS
Band7	10	21100	50	#0	16QAM	NV	NT	-3.16	-0.001	PASS
Band7	10	21100	50	#0	16QAM	HV	NT	-8.24	-0.003	PASS
Band7	10	21400	50	#0	QPSK	LV	NT	-9.60	-0.004	PASS
Band7	10	21400	50	#0	QPSK	NV	NT	-9.83	-0.004	PASS
Band7	10	21400	50	#0	QPSK	HV	NT	-9.50	-0.004	PASS
Band7	10	21400	50	#0	16QAM	LV	NT	-11.56	-0.005	PASS
Band7	10	21400	50	#0	16QAM	NV	NT	-8.61	-0.003	PASS
Band7	10	21400	50	#0	16QAM	HV	NT	-12.33	-0.005	PASS
Band7	15	20825	75	#0	QPSK	LV	NT	-10.26	-0.004	PASS

Band7	15	20825	75	#0	QPSK	NV	NT	-7.82	-0.003	PASS
Band7	15	20825	75	#0	QPSK	HV	NT	-6.69	-0.003	PASS
Band7	15	20825	75	#0	16QAM	LV	NT	-7.52	-0.003	PASS
Band7	15	20825	75	#0	16QAM	NV	NT	-8.74	-0.003	PASS
Band7	15	20825	75	#0	16QAM	HV	NT	4.36	0.002	PASS
Band7	15	21100	75	#0	QPSK	LV	NT	-5.22	-0.002	PASS
Band7	15	21100	75	#0	QPSK	NV	NT	-9.57	-0.004	PASS
Band7	15	21100	75	#0	QPSK	HV	NT	-4.15	-0.002	PASS
Band7	15	21100	75	#0	16QAM	LV	NT	-3.50	-0.001	PASS
Band7	15	21100	75	#0	16QAM	NV	NT	-3.69	-0.001	PASS
Band7	15	21100	75	#0	16QAM	HV	NT	-10.56	-0.004	PASS
Band7	15	21375	75	#0	QPSK	LV	NT	-8.50	-0.003	PASS
Band7	15	21375	75	#0	QPSK	NV	NT	-2.86	-0.001	PASS
Band7	15	21375	75	#0	QPSK	HV	NT	-3.52	-0.001	PASS
Band7	15	21375	75	#0	16QAM	LV	NT	-7.94	-0.003	PASS
Band7	15	21375	75	#0	16QAM	NV	NT	-5.15	-0.002	PASS
Band7	15	21375	75	#0	16QAM	HV	NT	-8.85	-0.003	PASS
Band7	20	20850	100	#0	QPSK	LV	NT	-8.75	-0.003	PASS
Band7	20	20850	100	#0	QPSK	NV	NT	-10.27	-0.004	PASS
Band7	20	20850	100	#0	QPSK	HV	NT	-8.50	-0.003	PASS
Band7	20	20850	100	#0	16QAM	LV	NT	-5.41	-0.002	PASS
Band7	20	20850	100	#0	16QAM	NV	NT	-6.38	-0.003	PASS
Band7	20	20850	100	#0	16QAM	HV	NT	-9.13	-0.004	PASS
Band7	20	21100	100	#0	QPSK	LV	NT	-8.43	-0.003	PASS
Band7	20	21100	100	#0	QPSK	NV	NT	-6.94	-0.003	PASS
Band7	20	21100	100	#0	QPSK	HV	NT	-5.48	-0.002	PASS
Band7	20	21100	100	#0	16QAM	LV	NT	-7.24	-0.003	PASS
Band7	20	21100	100	#0	16QAM	NV	NT	-7.70	-0.003	PASS
Band7	20	21100	100	#0	16QAM	HV	NT	-4.88	-0.002	PASS
Band7	20	21350	100	#0	QPSK	LV	NT	-12.96	-0.005	PASS
Band7	20	21350	100	#0	QPSK	NV	NT	-11.20	-0.004	PASS
Band7	20	21350	100	#0	QPSK	HV	NT	-8.34	-0.003	PASS
Band7	20	21350	100	#0	16QAM	LV	NT	-11.62	-0.005	PASS
Band7	20	21350	100	#0	16QAM	NV	NT	-8.84	-0.003	PASS
Band7	20	21350	100	#0	16QAM	HV	NT	-11.43	-0.004	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	-17.55	-0.007	PASS
Band7	5	20775	25	#0	QPSK	NV	-20	-11.27	-0.005	PASS
Band7	5	20775	25	#0	QPSK	NV	-10	-12.77	-0.005	PASS
Band7	5	20775	25	#0	QPSK	NV	0	-15.54	-0.006	PASS

Band7	5	20775	25	#0	QPSK	NV	10	-15.56	-0.006	PASS
Band7	5	20775	25	#0	QPSK	NV	20	-13.65	-0.005	PASS
Band7	5	20775	25	#0	QPSK	NV	30	-10.80	-0.004	PASS
Band7	5	20775	25	#0	QPSK	NV	40	-11.29	-0.005	PASS
Band7	5	20775	25	#0	QPSK	NV	50	-11.80	-0.005	PASS
Band7	5	20775	25	#0	16QAM	NV	-30	-14.06	-0.006	PASS
Band7	5	20775	25	#0	16QAM	NV	-20	-7.81	-0.003	PASS
Band7	5	20775	25	#0	16QAM	NV	-10	-7.37	-0.003	PASS
Band7	5	20775	25	#0	16QAM	NV	0	-11.34	-0.005	PASS
Band7	5	20775	25	#0	16QAM	NV	10	-7.11	-0.003	PASS
Band7	5	20775	25	#0	16QAM	NV	20	16.04	0.006	PASS
Band7	5	20775	25	#0	16QAM	NV	30	-1.49	-0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	40	-6.05	-0.002	PASS
Band7	5	20775	25	#0	16QAM	NV	50	-8.14	-0.003	PASS
Band7	5	21100	25	#0	QPSK	NV	-30	-5.98	-0.002	PASS
Band7	5	21100	25	#0	QPSK	NV	-20	-10.44	-0.004	PASS
Band7	5	21100	25	#0	QPSK	NV	-10	-11.47	-0.005	PASS
Band7	5	21100	25	#0	QPSK	NV	0	-2.13	-0.001	PASS
Band7	5	21100	25	#0	QPSK	NV	10	-6.79	-0.003	PASS
Band7	5	21100	25	#0	QPSK	NV	20	-6.88	-0.003	PASS
Band7	5	21100	25	#0	QPSK	NV	30	-3.79	-0.001	PASS
Band7	5	21100	25	#0	QPSK	NV	40	-8.88	-0.004	PASS
Band7	5	21100	25	#0	QPSK	NV	50	-3.10	-0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	-30	-8.84	-0.003	PASS
Band7	5	21100	25	#0	16QAM	NV	-20	-0.93	0.000	PASS
Band7	5	21100	25	#0	16QAM	NV	-10	-6.22	-0.002	PASS
Band7	5	21100	25	#0	16QAM	NV	0	-5.06	-0.002	PASS
Band7	5	21100	25	#0	16QAM	NV	10	-0.19	0.000	PASS
Band7	5	21100	25	#0	16QAM	NV	20	-0.40	0.000	PASS
Band7	5	21100	25	#0	16QAM	NV	30	-8.04	-0.003	PASS
Band7	5	21100	25	#0	16QAM	NV	40	-6.25	-0.002	PASS
Band7	5	21100	25	#0	16QAM	NV	50	-4.98	-0.002	PASS
Band7	5	21425	25	#0	QPSK	NV	-30	-4.15	-0.002	PASS
Band7	5	21425	25	#0	QPSK	NV	-20	-9.80	-0.004	PASS
Band7	5	21425	25	#0	QPSK	NV	-10	-9.17	-0.004	PASS
Band7	5	21425	25	#0	QPSK	NV	0	-13.30	-0.005	PASS
Band7	5	21425	25	#0	QPSK	NV	10	-3.55	-0.001	PASS
Band7	5	21425	25	#0	QPSK	NV	20	-3.38	-0.001	PASS
Band7	5	21425	25	#0	QPSK	NV	30	-3.98	-0.002	PASS
Band7	5	21425	25	#0	QPSK	NV	40	-4.68	-0.002	PASS
Band7	5	21425	25	#0	QPSK	NV	50	3.10	0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	-30	4.18	0.002	PASS

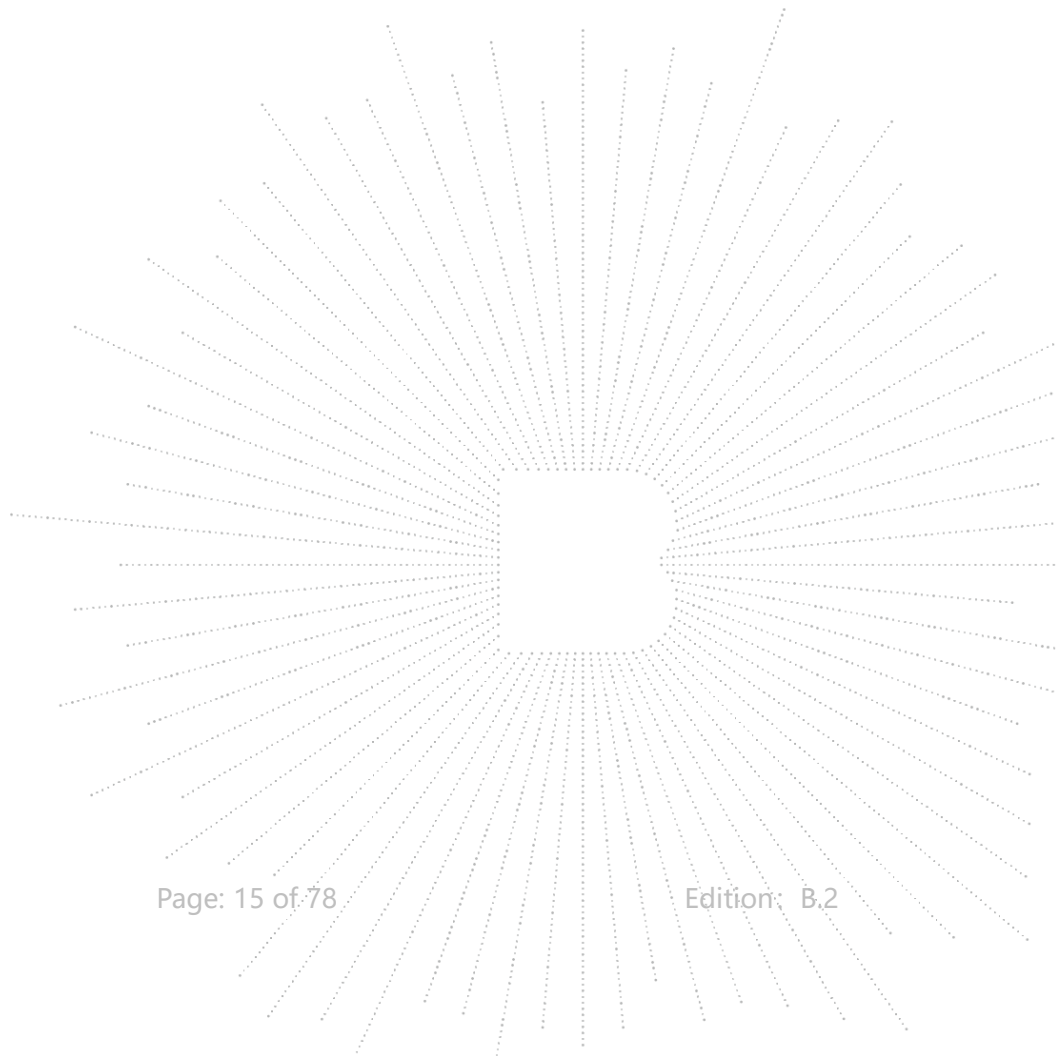
Band7	5	21425	25	#0	16QAM	NV	-20	-2.42	-0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	-10	-0.66	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	0	-4.25	-0.002	PASS
Band7	5	21425	25	#0	16QAM	NV	10	-3.66	-0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	20	0.00	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	30	0.00	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	40	0.00	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	50	0.00	0.000	PASS
Band7	10	20800	50	#0	QPSK	NV	-30	-10.86	-0.004	PASS
Band7	10	20800	50	#0	QPSK	NV	-20	-11.10	-0.004	PASS
Band7	10	20800	50	#0	QPSK	NV	-10	-10.14	-0.004	PASS
Band7	10	20800	50	#0	QPSK	NV	0	-10.24	-0.004	PASS
Band7	10	20800	50	#0	QPSK	NV	10	-8.78	-0.004	PASS
Band7	10	20800	50	#0	QPSK	NV	20	-23.86	-0.010	PASS
Band7	10	20800	50	#0	QPSK	NV	30	-6.22	-0.002	PASS
Band7	10	20800	50	#0	QPSK	NV	40	-5.56	-0.002	PASS
Band7	10	20800	50	#0	QPSK	NV	50	-14.91	-0.006	PASS
Band7	10	20800	50	#0	16QAM	NV	-30	-6.07	-0.002	PASS
Band7	10	20800	50	#0	16QAM	NV	-20	-8.47	-0.003	PASS
Band7	10	20800	50	#0	16QAM	NV	-10	-9.63	-0.004	PASS
Band7	10	20800	50	#0	16QAM	NV	0	-10.21	-0.004	PASS
Band7	10	20800	50	#0	16QAM	NV	10	-4.29	-0.002	PASS
Band7	10	20800	50	#0	16QAM	NV	20	-6.15	-0.002	PASS
Band7	10	20800	50	#0	16QAM	NV	30	-6.34	-0.003	PASS
Band7	10	20800	50	#0	16QAM	NV	40	0.16	0.000	PASS
Band7	10	20800	50	#0	16QAM	NV	50	-5.74	-0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	-30	-4.89	-0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	-20	-7.12	-0.003	PASS
Band7	10	21100	50	#0	QPSK	NV	-10	-2.39	-0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	0	-2.27	-0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	10	-2.06	-0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	20	-9.01	-0.004	PASS
Band7	10	21100	50	#0	QPSK	NV	30	-4.33	-0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	40	-5.28	-0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	50	-4.73	-0.002	PASS
Band7	10	21100	50	#0	16QAM	NV	-30	-5.36	-0.002	PASS
Band7	10	21100	50	#0	16QAM	NV	-20	-2.39	-0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	-10	-3.71	-0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	0	-9.70	-0.004	PASS
Band7	10	21100	50	#0	16QAM	NV	10	9.43	0.004	PASS
Band7	10	21100	50	#0	16QAM	NV	20	-2.65	-0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	30	-0.84	0.000	PASS

Band7	10	21100	50	#0	16QAM	NV	40	-0.07	0.000	PASS
Band7	10	21100	50	#0	16QAM	NV	50	-5.85	-0.002	PASS
Band7	10	21400	50	#0	QPSK	NV	-30	-7.01	-0.003	PASS
Band7	10	21400	50	#0	QPSK	NV	-20	-4.49	-0.002	PASS
Band7	10	21400	50	#0	QPSK	NV	-10	-3.20	-0.001	PASS
Band7	10	21400	50	#0	QPSK	NV	0	-4.49	-0.002	PASS
Band7	10	21400	50	#0	QPSK	NV	10	-5.97	-0.002	PASS
Band7	10	21400	50	#0	QPSK	NV	20	-2.42	-0.001	PASS
Band7	10	21400	50	#0	QPSK	NV	30	0.77	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	40	-1.07	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	50	-2.39	-0.001	PASS
Band7	10	21400	50	#0	16QAM	NV	-30	-6.68	-0.003	PASS
Band7	10	21400	50	#0	16QAM	NV	-20	-7.61	-0.003	PASS
Band7	10	21400	50	#0	16QAM	NV	-10	-2.35	-0.001	PASS
Band7	10	21400	50	#0	16QAM	NV	0	-2.85	-0.001	PASS
Band7	10	21400	50	#0	16QAM	NV	10	-2.06	-0.001	PASS
Band7	10	21400	50	#0	16QAM	NV	20	-4.98	-0.002	PASS
Band7	10	21400	50	#0	16QAM	NV	30	-3.05	-0.001	PASS
Band7	10	21400	50	#0	16QAM	NV	40	-4.39	-0.002	PASS
Band7	10	21400	50	#0	16QAM	NV	50	-7.37	-0.003	PASS
Band7	15	20825	75	#0	QPSK	NV	-30	-13.49	-0.005	PASS
Band7	15	20825	75	#0	QPSK	NV	-20	-10.34	-0.004	PASS
Band7	15	20825	75	#0	QPSK	NV	-10	-8.47	-0.003	PASS
Band7	15	20825	75	#0	QPSK	NV	0	-5.46	-0.002	PASS
Band7	15	20825	75	#0	QPSK	NV	10	-4.05	-0.002	PASS
Band7	15	20825	75	#0	QPSK	NV	20	-6.42	-0.003	PASS
Band7	15	20825	75	#0	QPSK	NV	30	3.22	0.001	PASS
Band7	15	20825	75	#0	QPSK	NV	40	-0.62	0.000	PASS
Band7	15	20825	75	#0	QPSK	NV	50	2.75	0.001	PASS
Band7	15	20825	75	#0	16QAM	NV	-30	-6.98	-0.003	PASS
Band7	15	20825	75	#0	16QAM	NV	-20	-7.74	-0.003	PASS
Band7	15	20825	75	#0	16QAM	NV	-10	-10.66	-0.004	PASS
Band7	15	20825	75	#0	16QAM	NV	0	-1.90	-0.001	PASS
Band7	15	20825	75	#0	16QAM	NV	10	-1.82	-0.001	PASS
Band7	15	20825	75	#0	16QAM	NV	20	1.19	0.000	PASS
Band7	15	20825	75	#0	16QAM	NV	30	-5.54	-0.002	PASS
Band7	15	20825	75	#0	16QAM	NV	40	-5.87	-0.002	PASS
Band7	15	20825	75	#0	16QAM	NV	50	-6.87	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	-30	-7.58	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	-20	0.60	0.000	PASS
Band7	15	21100	75	#0	QPSK	NV	-10	-1.00	0.000	PASS
Band7	15	21100	75	#0	QPSK	NV	0	-3.09	-0.001	PASS

Band7	15	21100	75	#0	QPSK	NV	10	-5.04	-0.002	PASS
Band7	15	21100	75	#0	QPSK	NV	20	-2.85	-0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	30	-0.40	0.000	PASS
Band7	15	21100	75	#0	QPSK	NV	40	-3.13	-0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	50	-5.19	-0.002	PASS
Band7	15	21100	75	#0	16QAM	NV	-30	-0.23	0.000	PASS
Band7	15	21100	75	#0	16QAM	NV	-20	-6.07	-0.002	PASS
Band7	15	21100	75	#0	16QAM	NV	-10	-6.34	-0.003	PASS
Band7	15	21100	75	#0	16QAM	NV	0	-1.14	0.000	PASS
Band7	15	21100	75	#0	16QAM	NV	10	-4.95	-0.002	PASS
Band7	15	21100	75	#0	16QAM	NV	20	-5.64	-0.002	PASS
Band7	15	21100	75	#0	16QAM	NV	30	-7.78	-0.003	PASS
Band7	15	21100	75	#0	16QAM	NV	40	-4.75	-0.002	PASS
Band7	15	21100	75	#0	16QAM	NV	50	-0.23	0.000	PASS
Band7	15	21375	75	#0	QPSK	NV	-30	-3.89	-0.002	PASS
Band7	15	21375	75	#0	QPSK	NV	-20	-5.62	-0.002	PASS
Band7	15	21375	75	#0	QPSK	NV	-10	-3.02	-0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	0	-3.46	-0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	10	-3.65	-0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	20	-7.34	-0.003	PASS
Band7	15	21375	75	#0	QPSK	NV	30	-7.28	-0.003	PASS
Band7	15	21375	75	#0	QPSK	NV	40	-4.66	-0.002	PASS
Band7	15	21375	75	#0	QPSK	NV	50	-1.67	-0.001	PASS
Band7	15	21375	75	#0	16QAM	NV	-30	-0.82	0.000	PASS
Band7	15	21375	75	#0	16QAM	NV	-20	-3.45	-0.001	PASS
Band7	15	21375	75	#0	16QAM	NV	-10	-5.52	-0.002	PASS
Band7	15	21375	75	#0	16QAM	NV	0	-4.85	-0.002	PASS
Band7	15	21375	75	#0	16QAM	NV	10	-6.71	-0.003	PASS
Band7	15	21375	75	#0	16QAM	NV	20	-3.75	-0.001	PASS
Band7	15	21375	75	#0	16QAM	NV	30	-5.74	-0.002	PASS
Band7	15	21375	75	#0	16QAM	NV	40	-2.63	-0.001	PASS
Band7	15	21375	75	#0	16QAM	NV	50	-8.30	-0.003	PASS
Band7	20	20850	100	#0	QPSK	NV	-30	-12.86	-0.005	PASS
Band7	20	20850	100	#0	QPSK	NV	-20	-7.18	-0.003	PASS
Band7	20	20850	100	#0	QPSK	NV	-10	-10.39	-0.004	PASS
Band7	20	20850	100	#0	QPSK	NV	0	-7.67	-0.003	PASS
Band7	20	20850	100	#0	QPSK	NV	10	-6.38	-0.003	PASS
Band7	20	20850	100	#0	QPSK	NV	20	-5.08	-0.002	PASS
Band7	20	20850	100	#0	QPSK	NV	30	-4.28	-0.002	PASS
Band7	20	20850	100	#0	QPSK	NV	40	-6.92	-0.003	PASS
Band7	20	20850	100	#0	QPSK	NV	50	-2.96	-0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	-30	-6.49	-0.003	PASS

Band7	20	20850	100	#0	16QAM	NV	-20	-6.07	-0.002	PASS
Band7	20	20850	100	#0	16QAM	NV	-10	-4.29	-0.002	PASS
Band7	20	20850	100	#0	16QAM	NV	0	-4.22	-0.002	PASS
Band7	20	20850	100	#0	16QAM	NV	10	-2.09	-0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	20	-5.74	-0.002	PASS
Band7	20	20850	100	#0	16QAM	NV	30	-1.32	-0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	40	-5.21	-0.002	PASS
Band7	20	20850	100	#0	16QAM	NV	50	-5.41	-0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	-30	-6.85	-0.003	PASS
Band7	20	21100	100	#0	QPSK	NV	-20	-3.53	-0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	-10	-1.07	0.000	PASS
Band7	20	21100	100	#0	QPSK	NV	0	-3.79	-0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	10	-5.26	-0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	20	-1.27	-0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	30	-3.29	-0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	40	-6.94	-0.003	PASS
Band7	20	21100	100	#0	QPSK	NV	50	-1.89	-0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	-30	-5.25	-0.002	PASS
Band7	20	21100	100	#0	16QAM	NV	-20	-2.15	-0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	-10	-0.04	0.000	PASS
Band7	20	21100	100	#0	16QAM	NV	0	-1.76	-0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	10	-1.03	0.000	PASS
Band7	20	21100	100	#0	16QAM	NV	20	-1.62	-0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	30	-5.54	-0.002	PASS
Band7	20	21100	100	#0	16QAM	NV	40	1.14	0.000	PASS
Band7	20	21100	100	#0	16QAM	NV	50	-6.04	-0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	-30	-8.38	-0.003	PASS
Band7	20	21350	100	#0	QPSK	NV	-20	-7.67	-0.003	PASS
Band7	20	21350	100	#0	QPSK	NV	-10	-4.98	-0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	0	-4.75	-0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	10	-8.43	-0.003	PASS
Band7	20	21350	100	#0	QPSK	NV	20	-2.32	-0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	30	-5.59	-0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	40	-3.38	-0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	50	-2.09	-0.001	PASS
Band7	20	21350	100	#0	16QAM	NV	-30	-13.05	-0.005	PASS
Band7	20	21350	100	#0	16QAM	NV	-20	-10.03	-0.004	PASS
Band7	20	21350	100	#0	16QAM	NV	-10	-13.85	-0.005	PASS
Band7	20	21350	100	#0	16QAM	NV	0	-4.88	-0.002	PASS
Band7	20	21350	100	#0	16QAM	NV	10	-1.86	-0.001	PASS
Band7	20	21350	100	#0	16QAM	NV	20	-2.55	-0.001	PASS
Band7	20	21350	100	#0	16QAM	NV	30	-4.72	-0.002	PASS

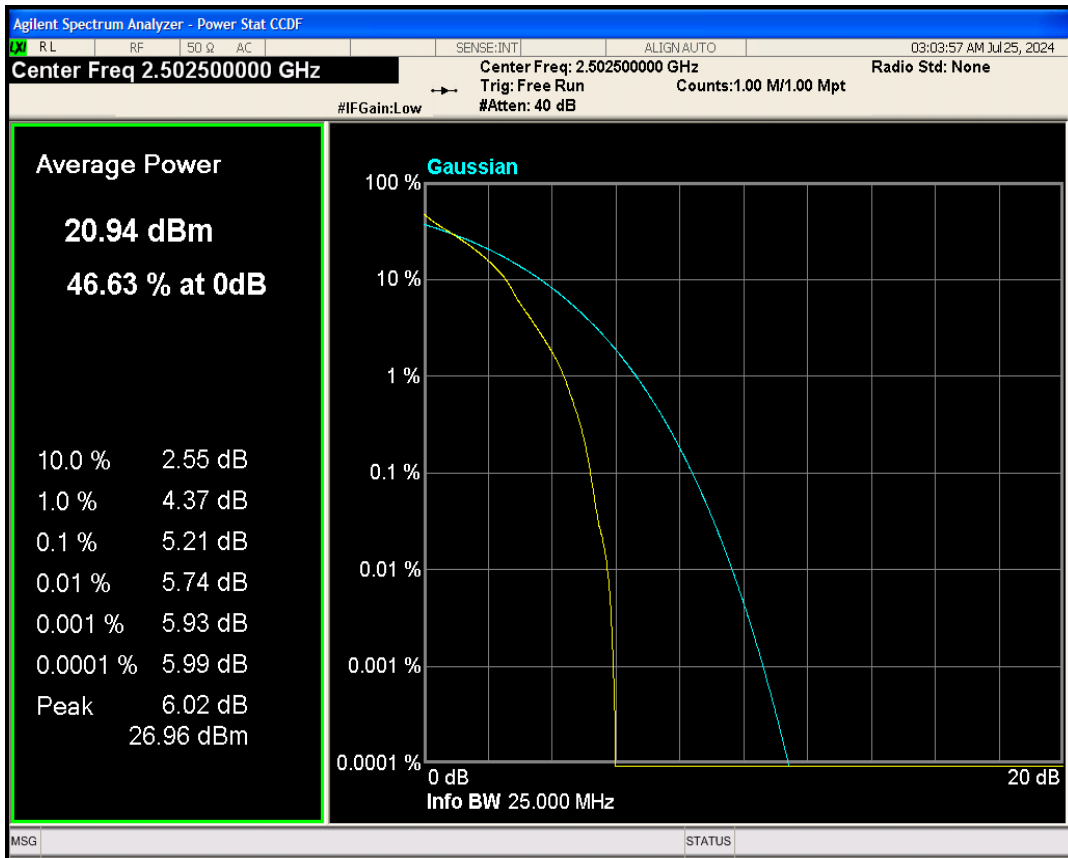
Band7	20	21350	100	#0	16QAM	NV	40	1.02	0.000	PASS
Band7	20	21350	100	#0	16QAM	NV	50	-0.77	0.000	PASS



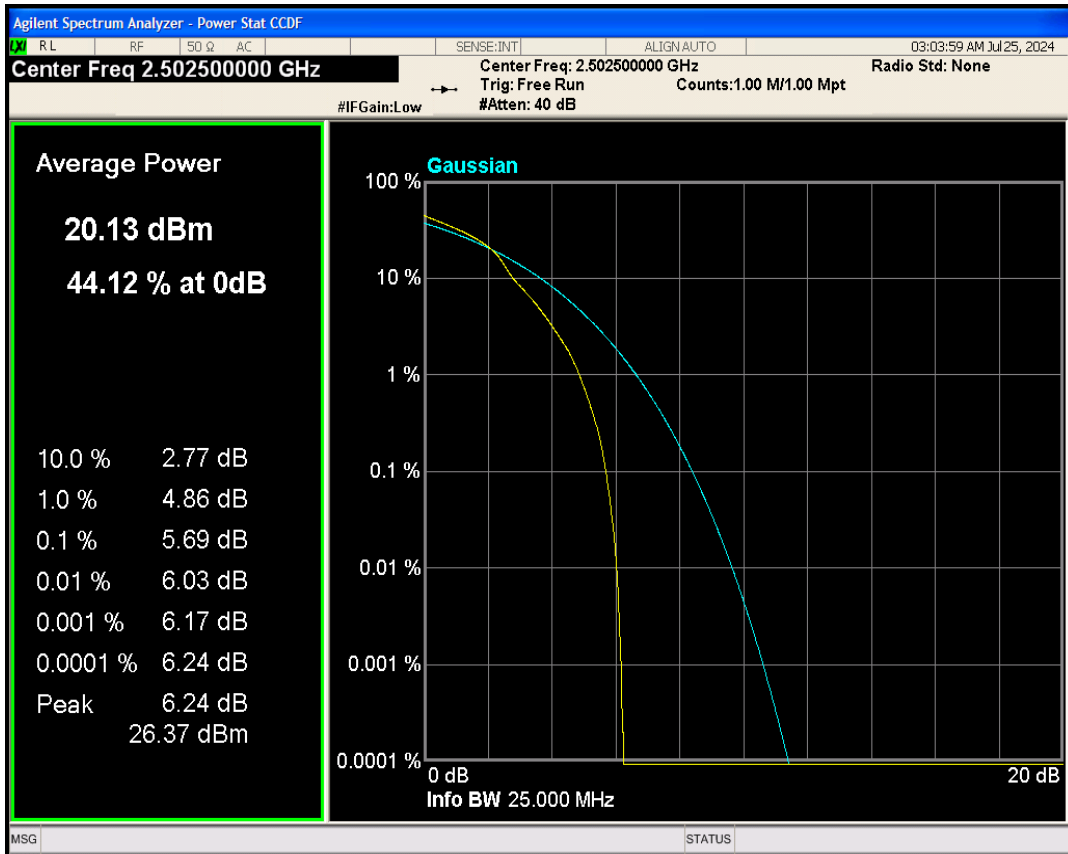
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band7	5	20775	1	#0	QPSK	5.21	13	PASS
Band7	5	20775	1	#0	16QAM	5.69	13	PASS
Band7	5	21100	1	#0	QPSK	5.90	13	PASS
Band7	5	21100	1	#0	16QAM	6.49	13	PASS
Band7	5	21425	1	#0	QPSK	5.52	13	PASS
Band7	5	21425	1	#0	16QAM	5.53	13	PASS
Band7	10	20800	1	#0	QPSK	5.30	13	PASS
Band7	10	20800	1	#0	16QAM	6.29	13	PASS
Band7	10	21100	1	#0	QPSK	5.45	13	PASS
Band7	10	21100	1	#0	16QAM	6.37	13	PASS
Band7	10	21400	1	#0	QPSK	4.91	13	PASS
Band7	10	21400	1	#0	16QAM	5.62	13	PASS
Band7	15	20825	1	#0	QPSK	5.29	13	PASS
Band7	15	20825	1	#0	16QAM	6.25	13	PASS
Band7	15	21100	1	#0	QPSK	5.25	13	PASS
Band7	15	21100	1	#0	16QAM	6.18	13	PASS
Band7	15	21375	1	#0	QPSK	5.22	13	PASS
Band7	15	21375	1	#0	16QAM	5.94	13	PASS
Band7	20	20850	1	#0	QPSK	5.24	13	PASS
Band7	20	20850	1	#0	16QAM	5.60	13	PASS
Band7	20	21100	1	#0	QPSK	5.07	13	PASS
Band7	20	21100	1	#0	16QAM	5.91	13	PASS
Band7	20	21350	1	#0	QPSK	5.71	13	PASS
Band7	20	21350	1	#0	16QAM	6.80	13	PASS

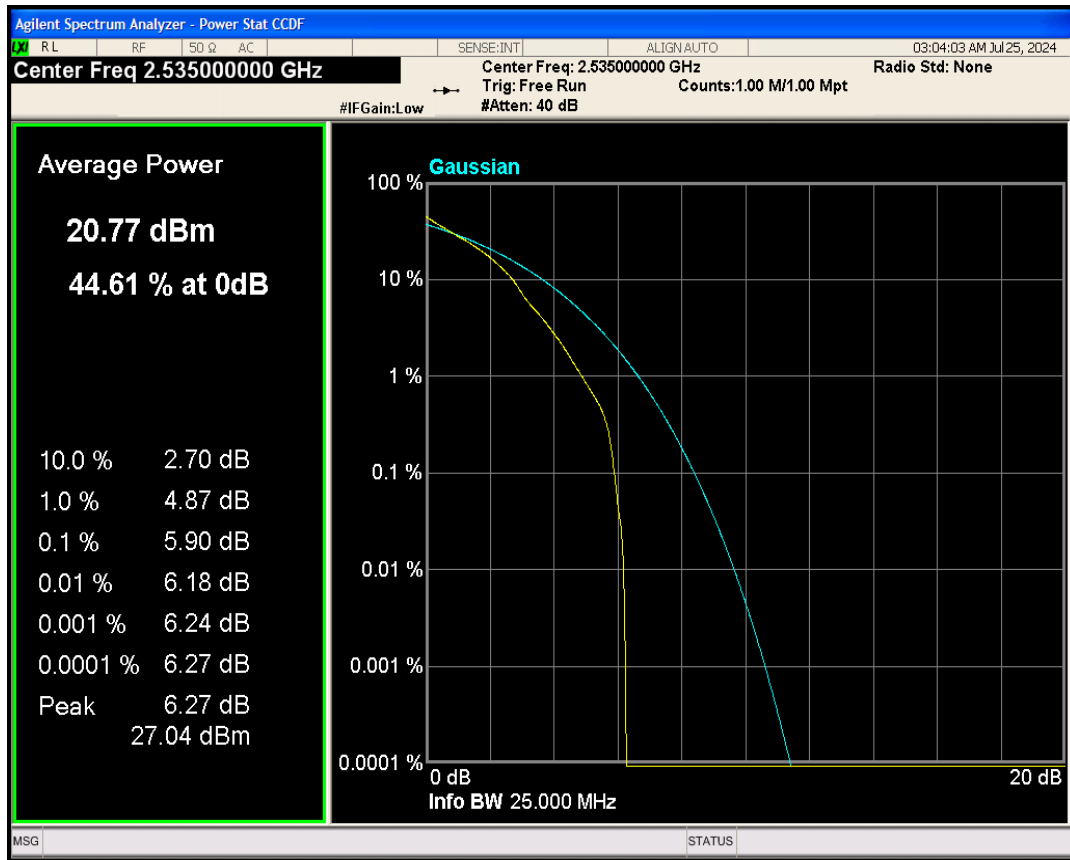
Band7 QPSK BW=5MHz Channel=20775 RB Size=1 Position=#0



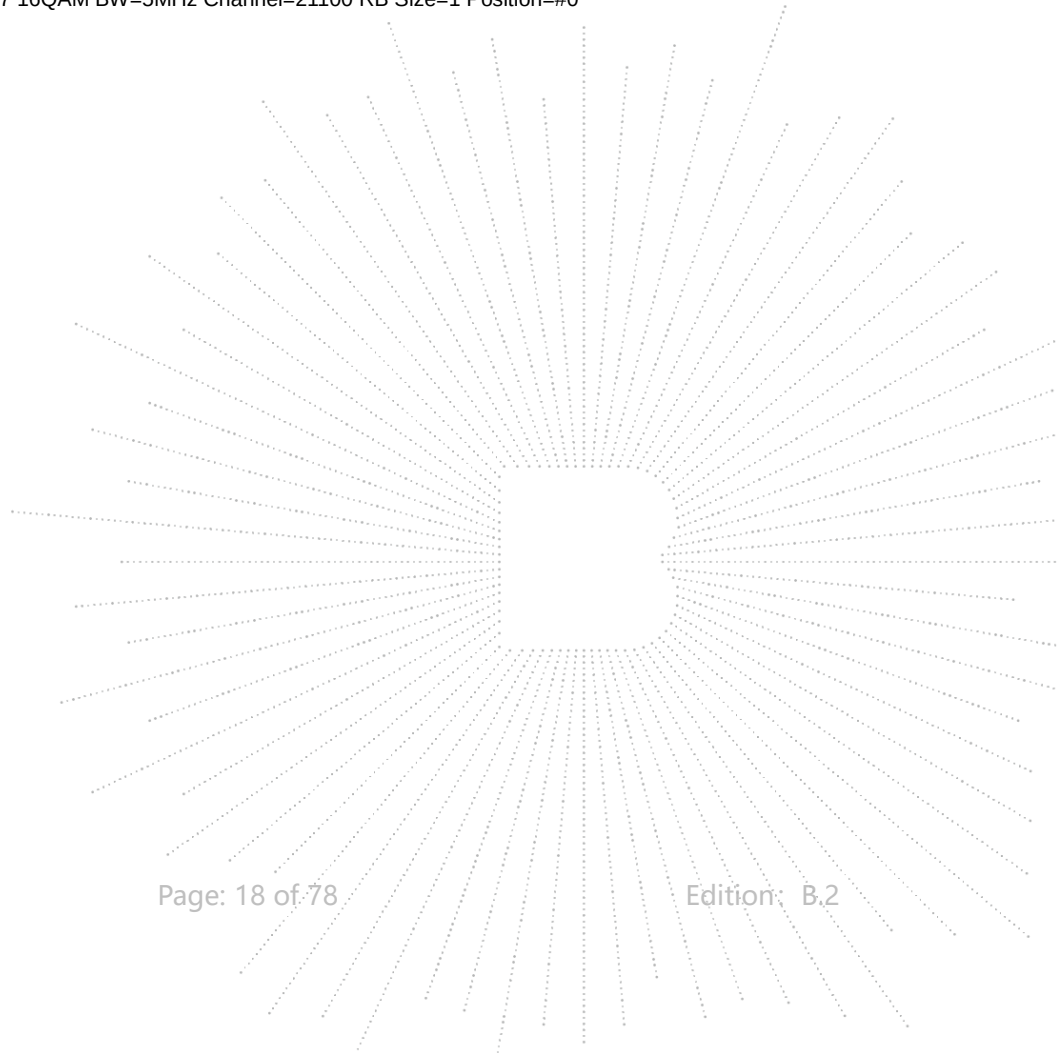
Band7 16QAM BW=5MHz Channel=20775 RB Size=1 Position=#0

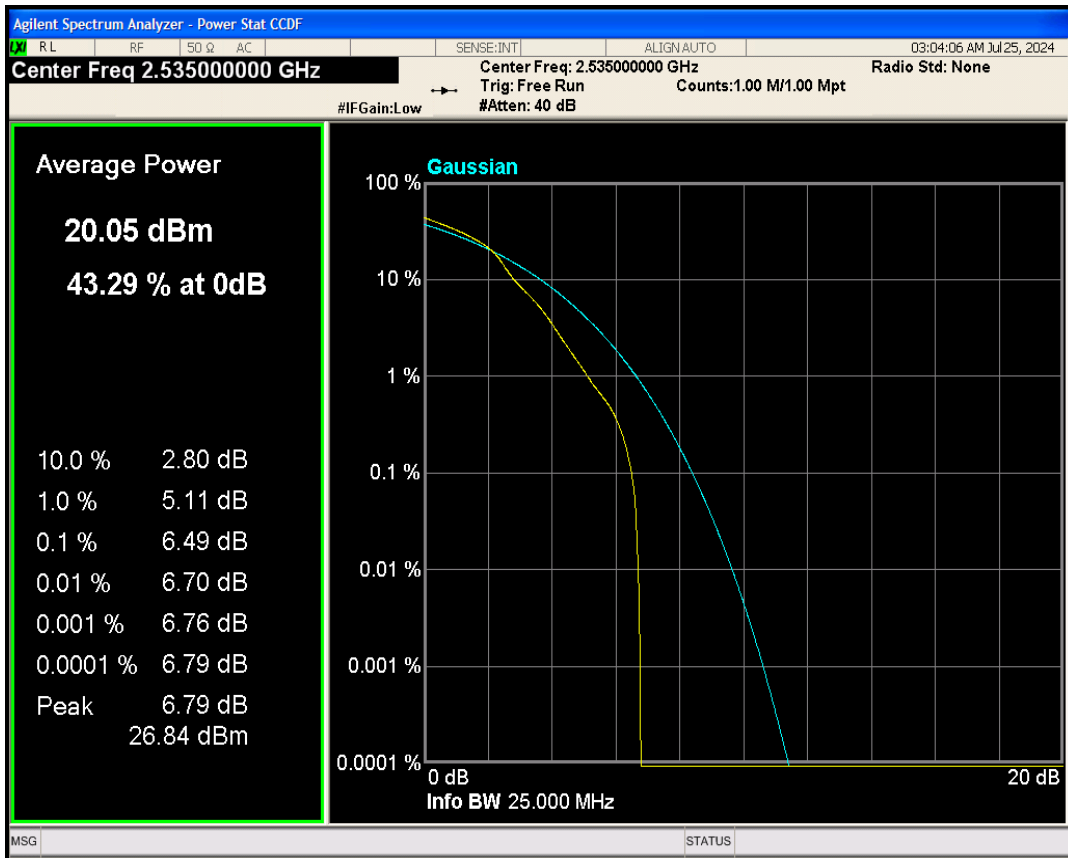


Band7 QPSK BW=5MHz Channel=21100 RB Size=1 Position=#0

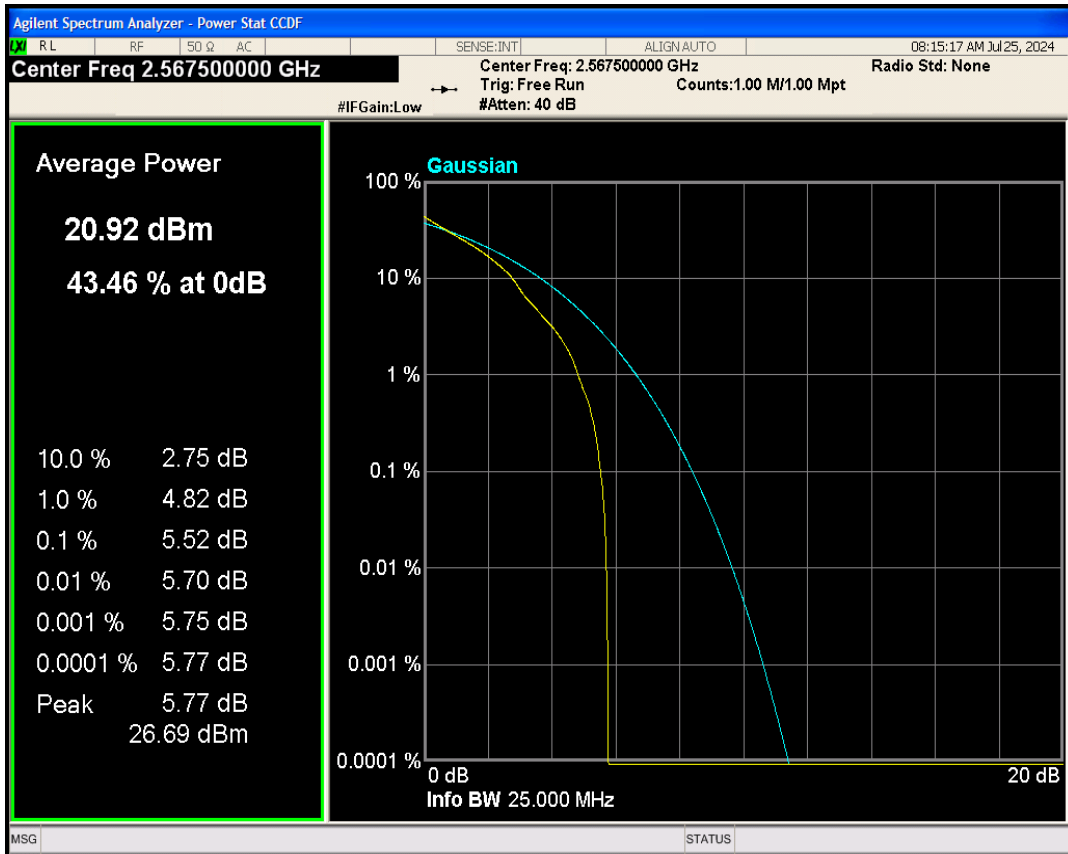


Band7 16QAM BW=5MHz Channel=21100 RB Size=1 Position=#0



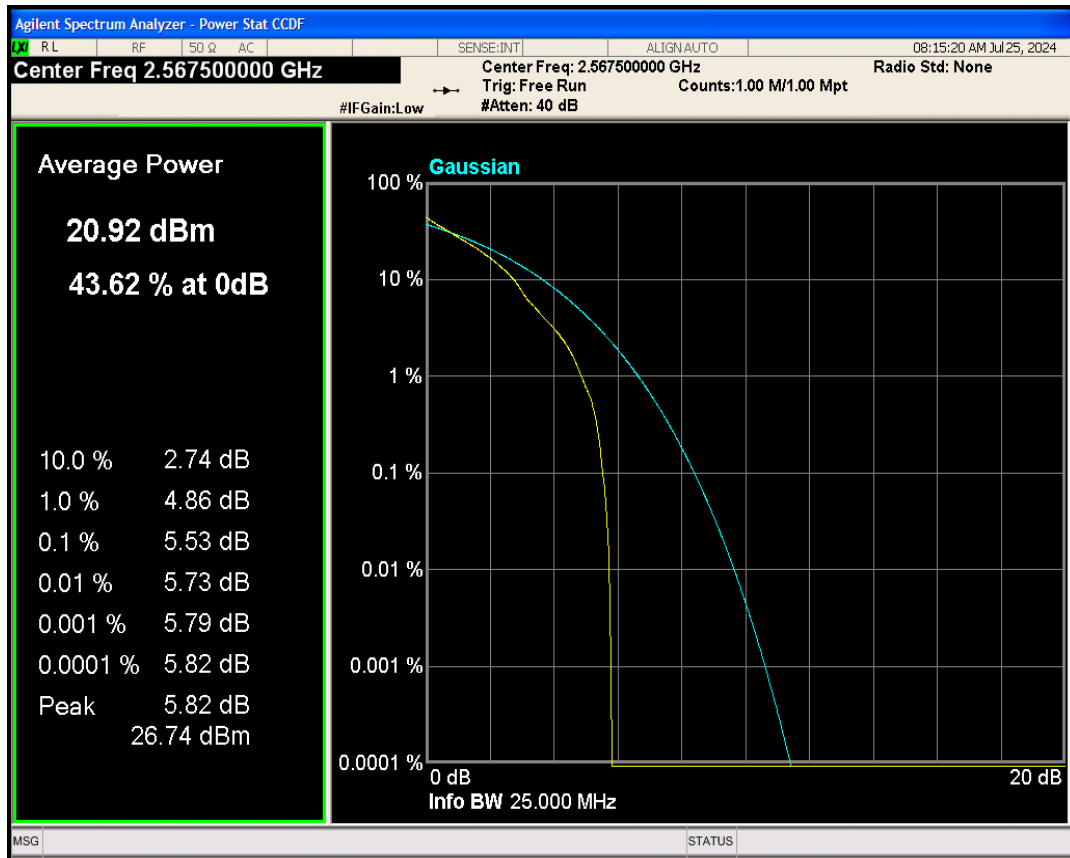


Band7 QPSK BW=5MHz Channel=21425 RB Size=1 Position=#0

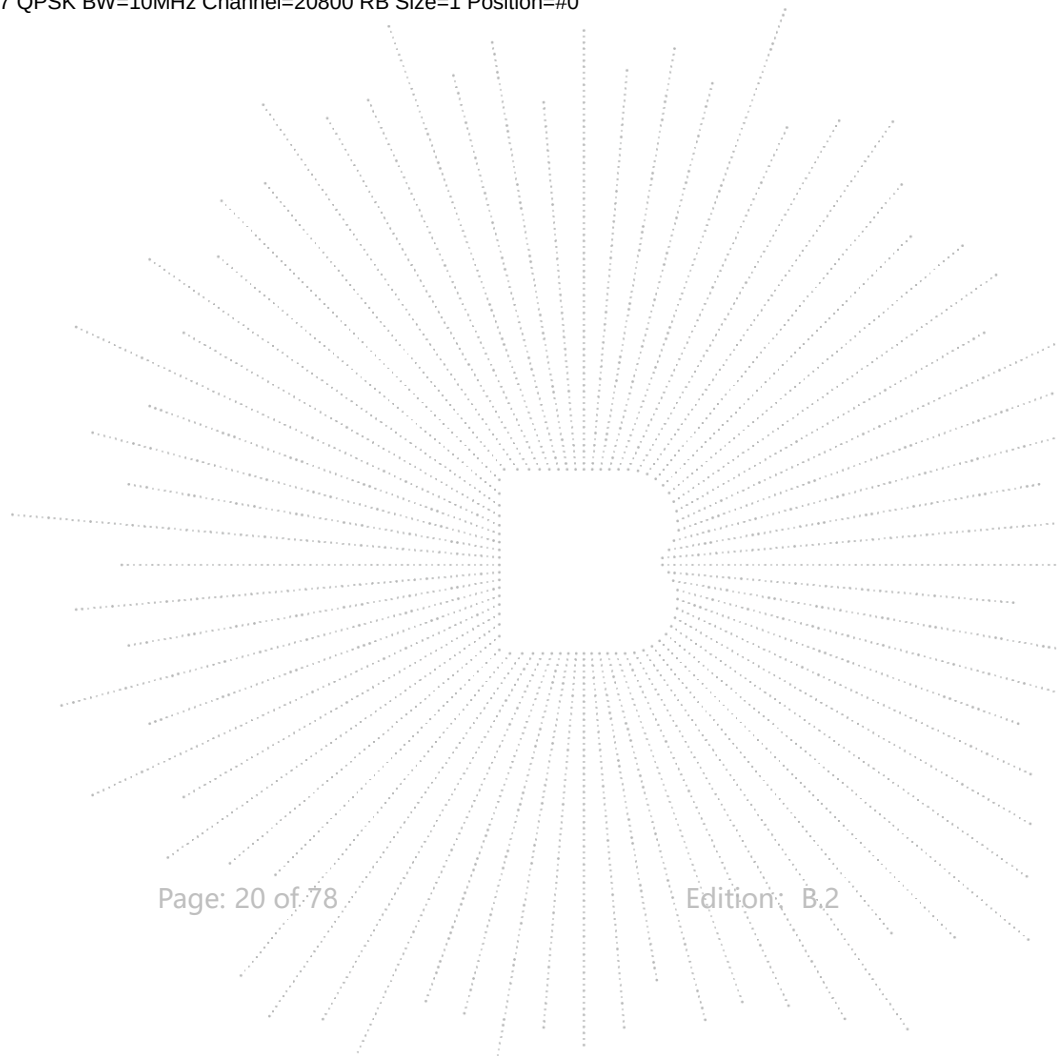


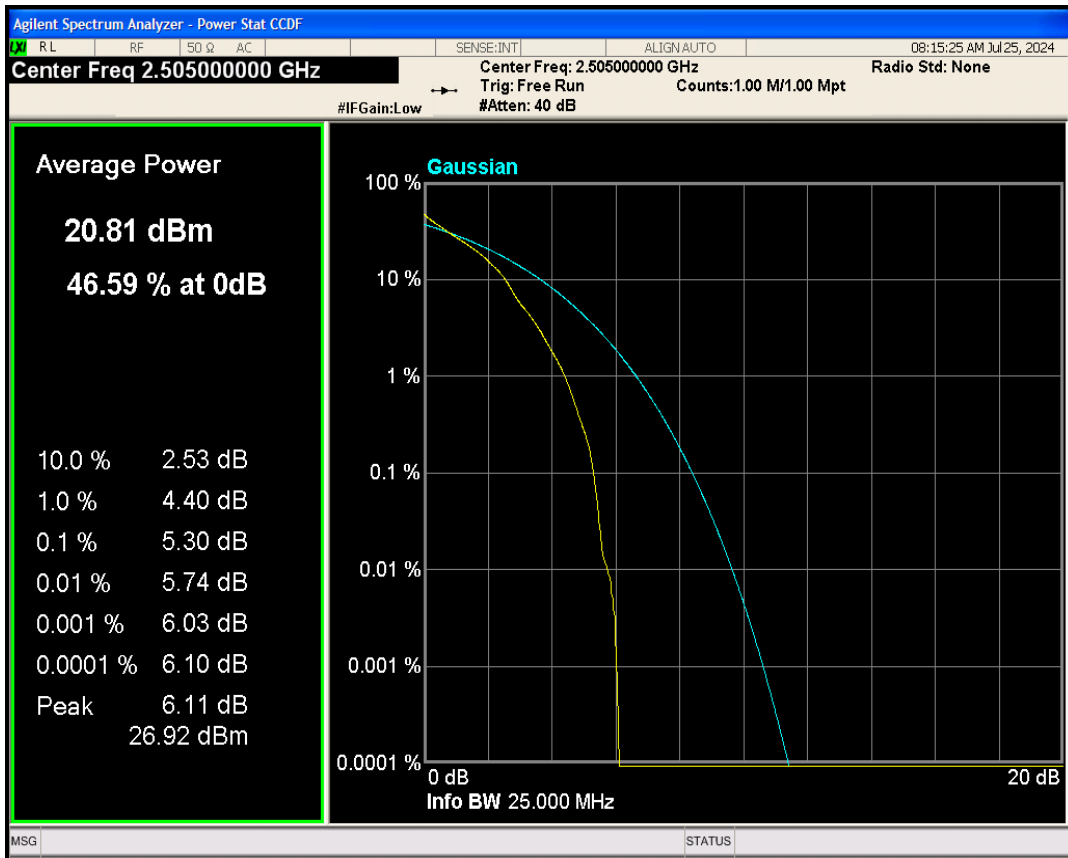


Band7 16QAM BW=5MHz Channel=21425 RB Size=1 Position=#0

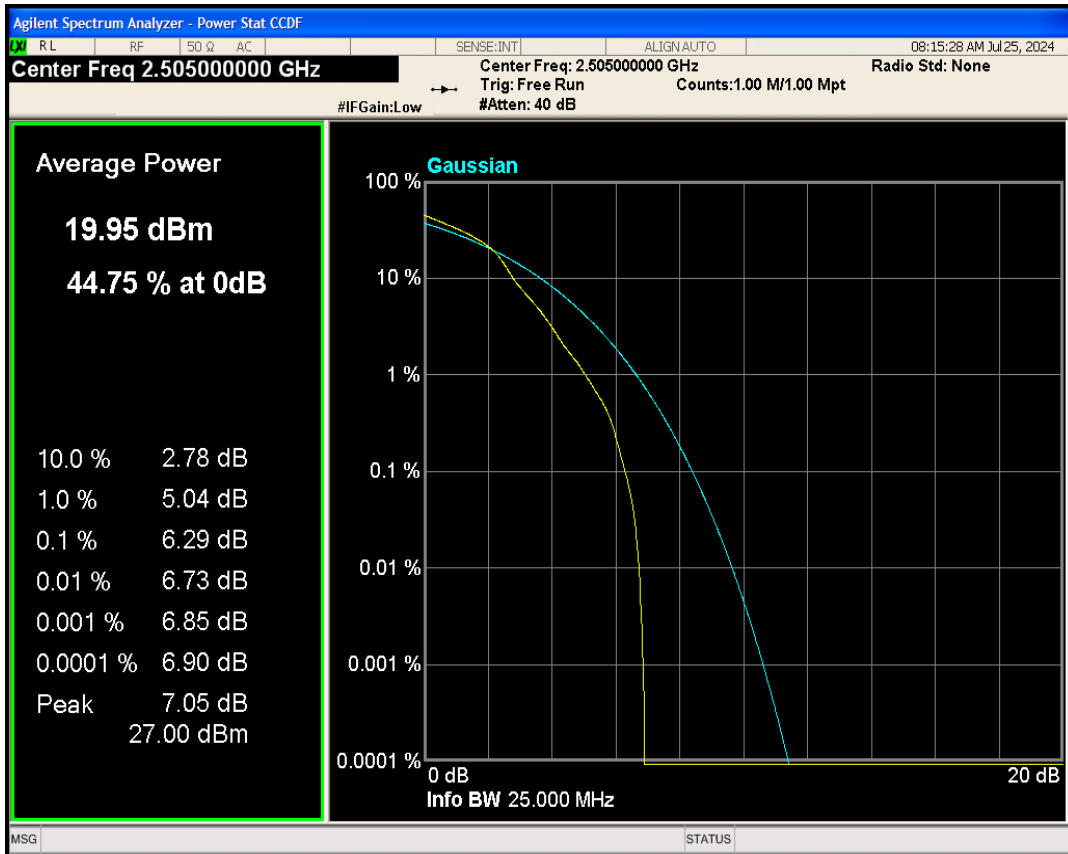


Band7 QPSK BW=10MHz Channel=20800 RB Size=1 Position=#0



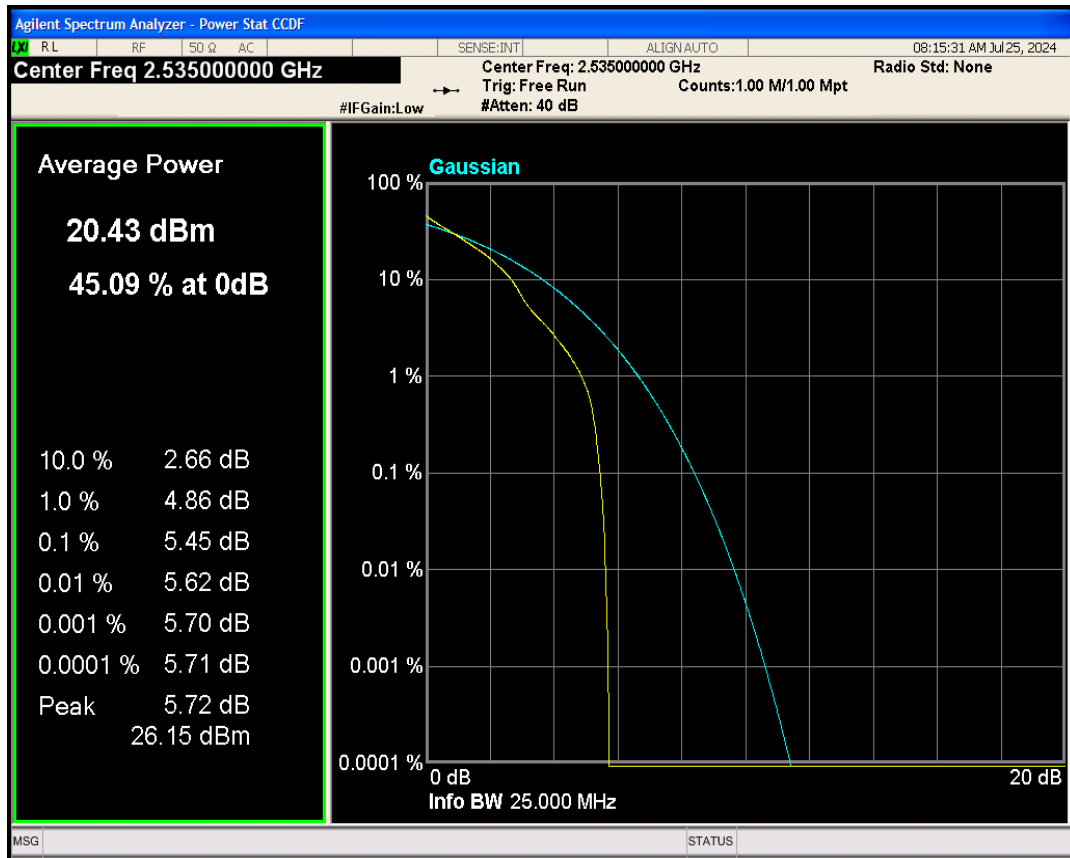


Band7 16QAM BW=10MHz Channel=20800 RB Size=1 Position=#0

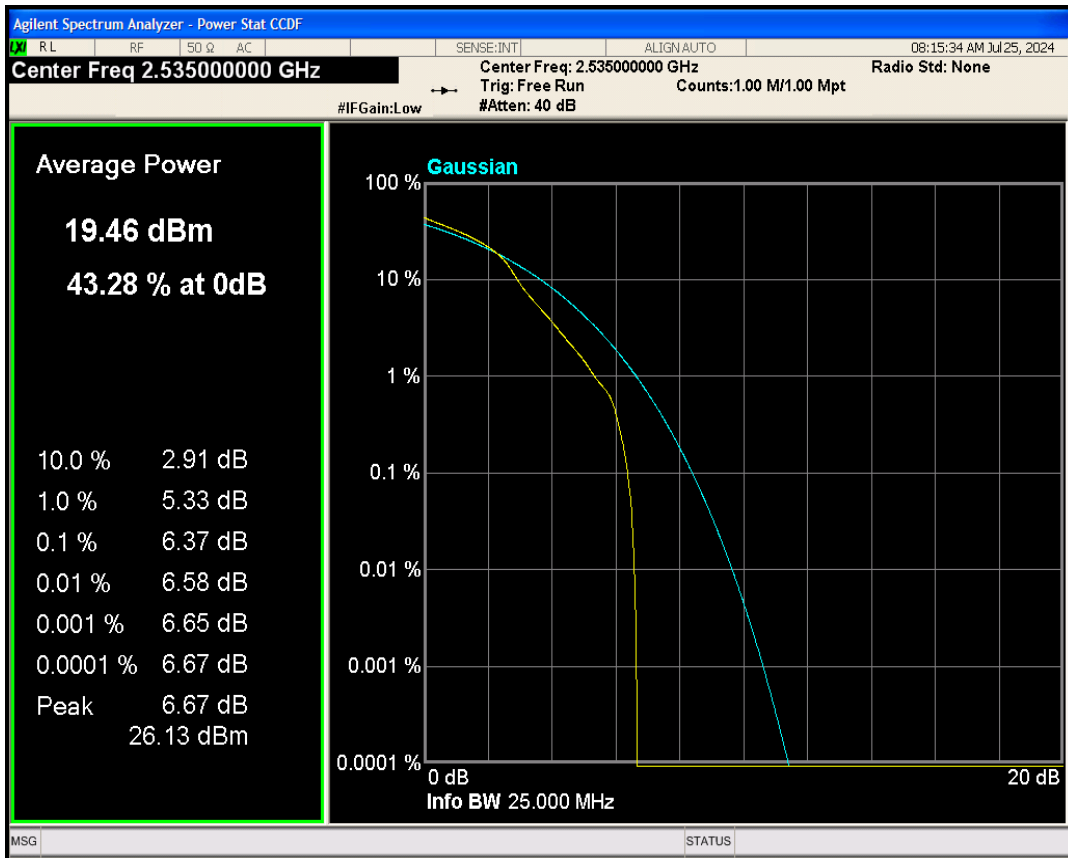




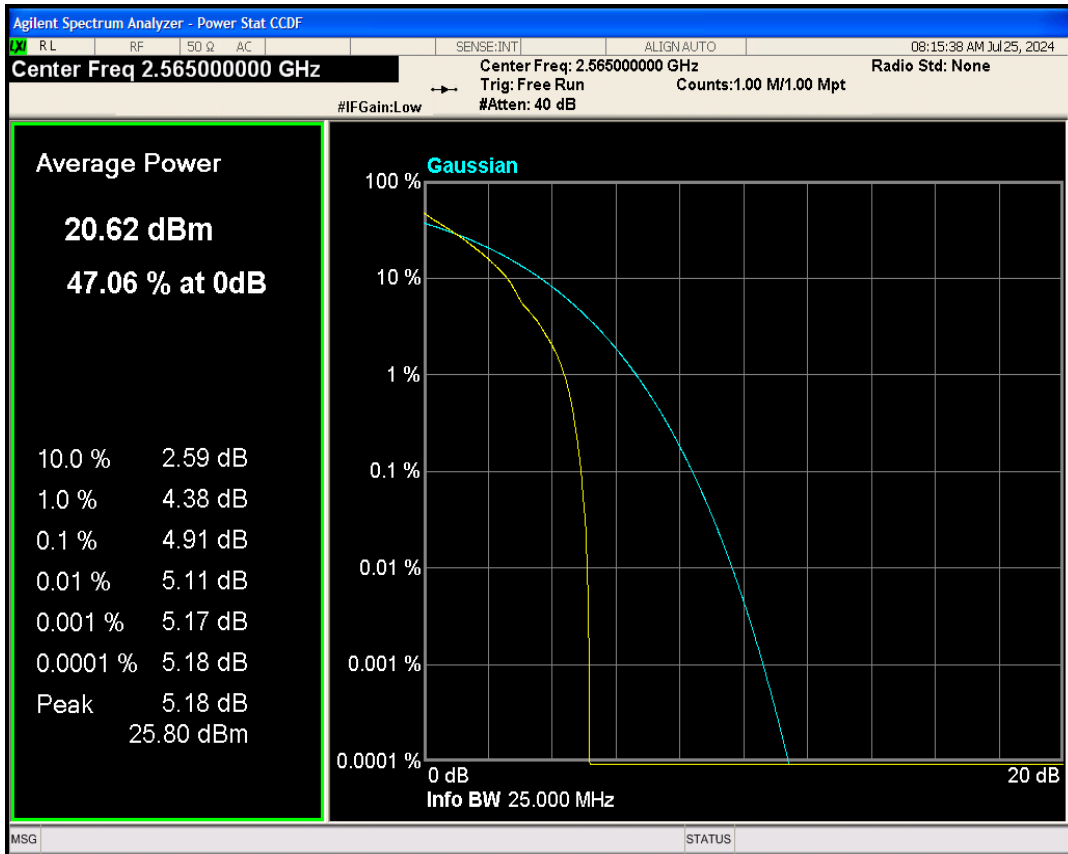
Band7 QPSK BW=10MHz Channel=21100 RB Size=1 Position=#0



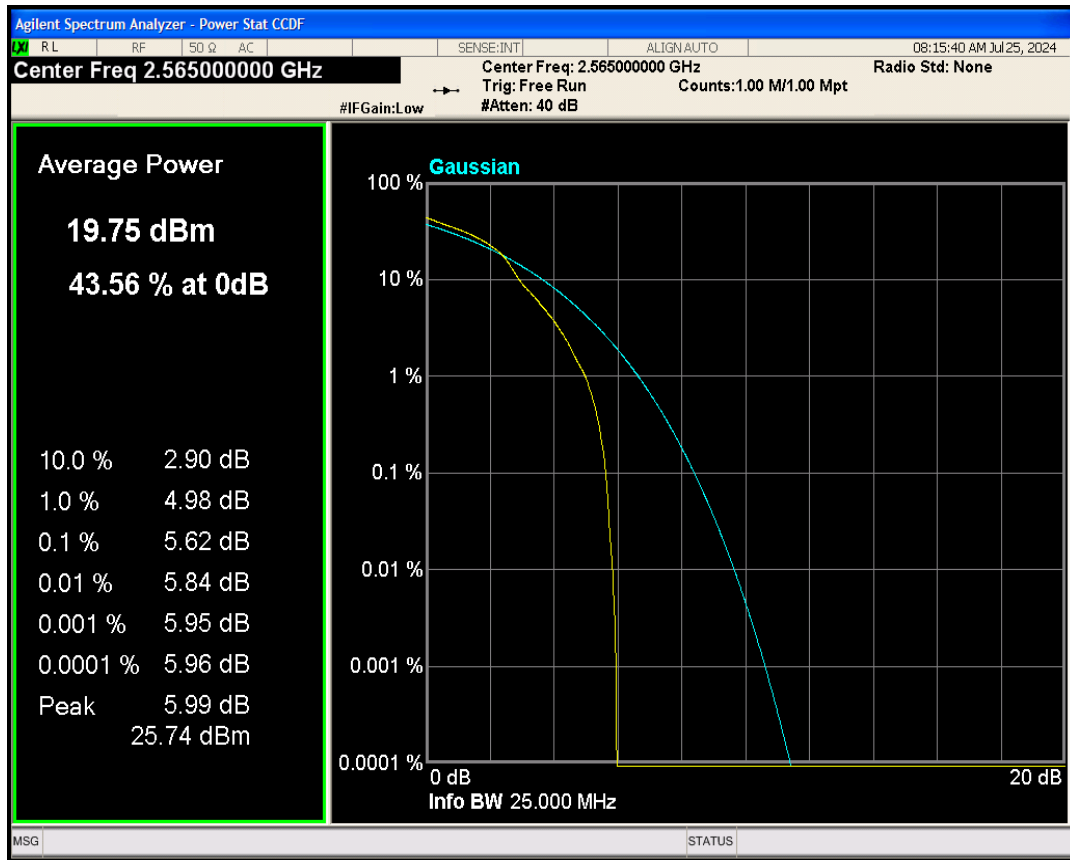
Band7 16QAM BW=10MHz Channel=21100 RB Size=1 Position=#0



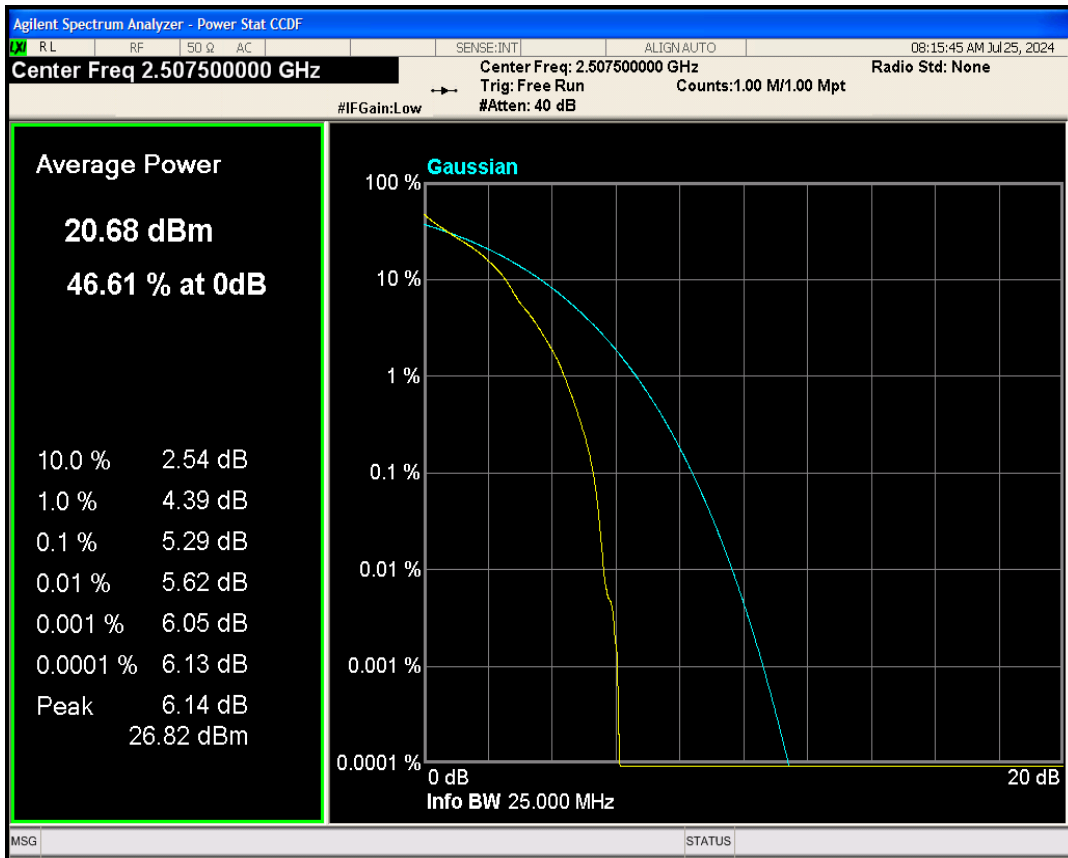
Band7 QPSK BW=10MHz Channel=21400 RB Size=1 Position=#0



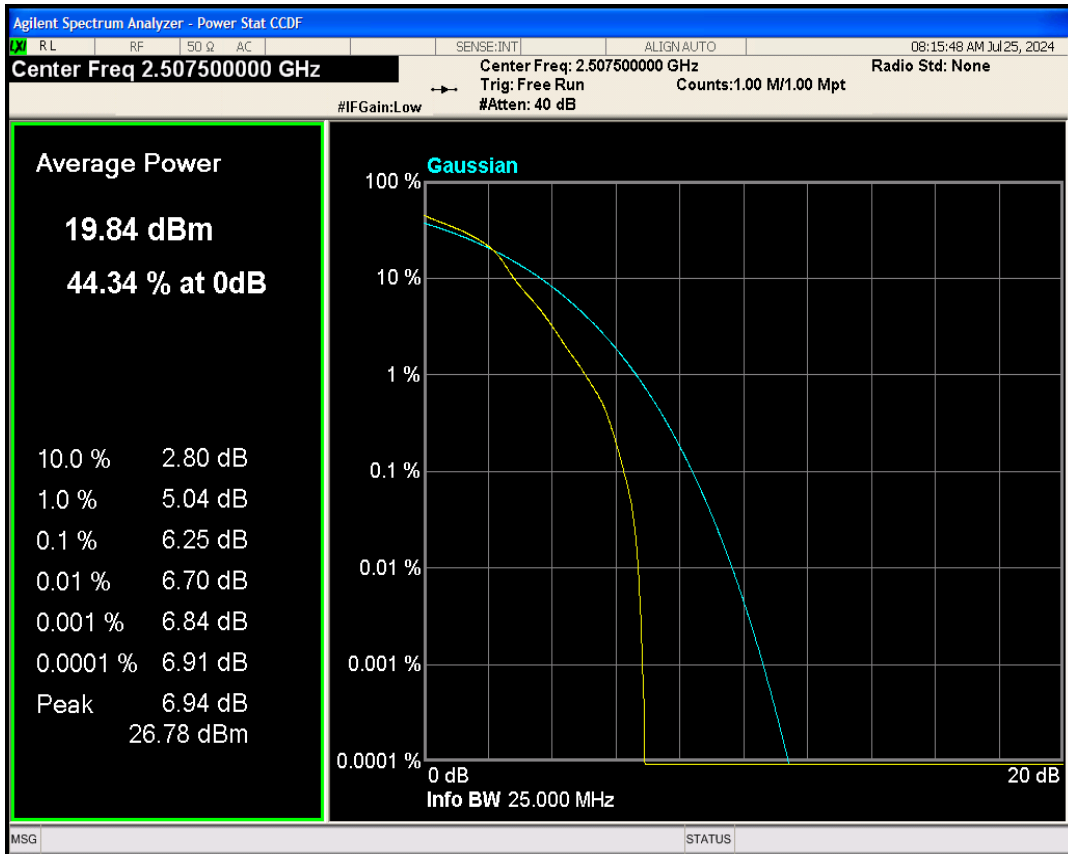
Band7 16QAM BW=10MHz Channel=21400 RB Size=1 Position=#0



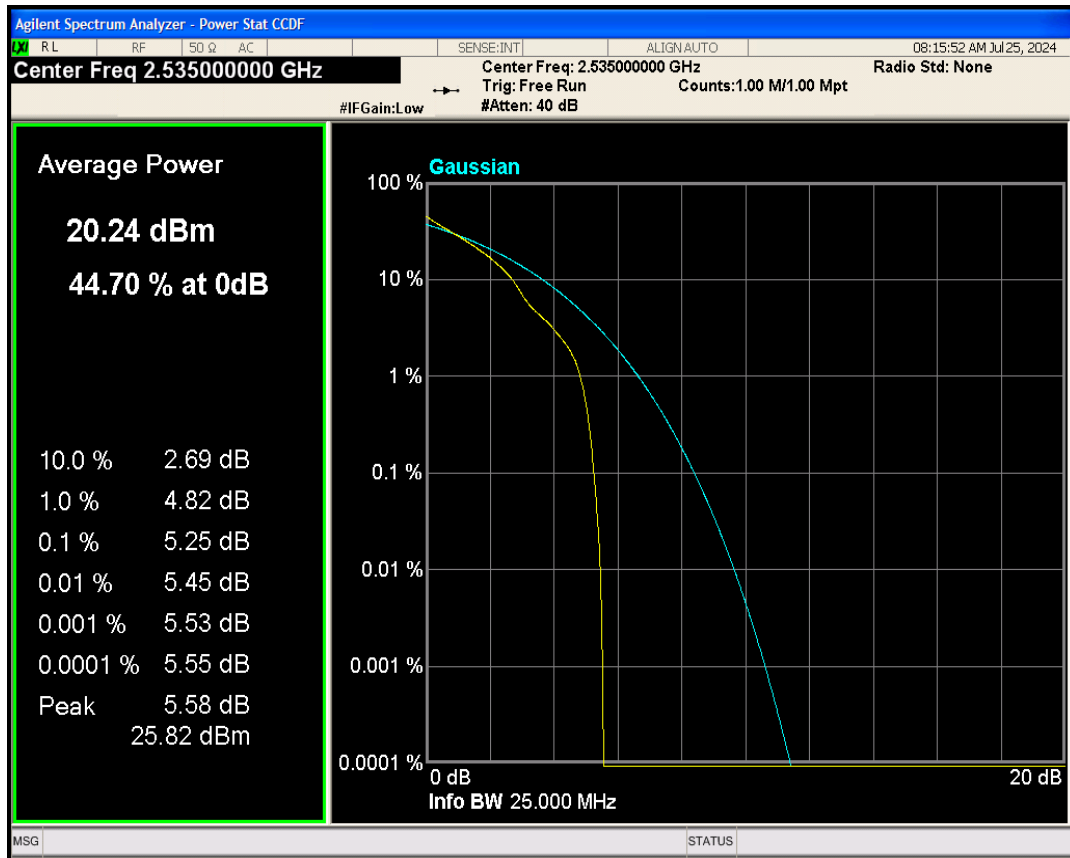
Band7 QPSK BW=15MHz Channel=20825 RB Size=1 Position=#0



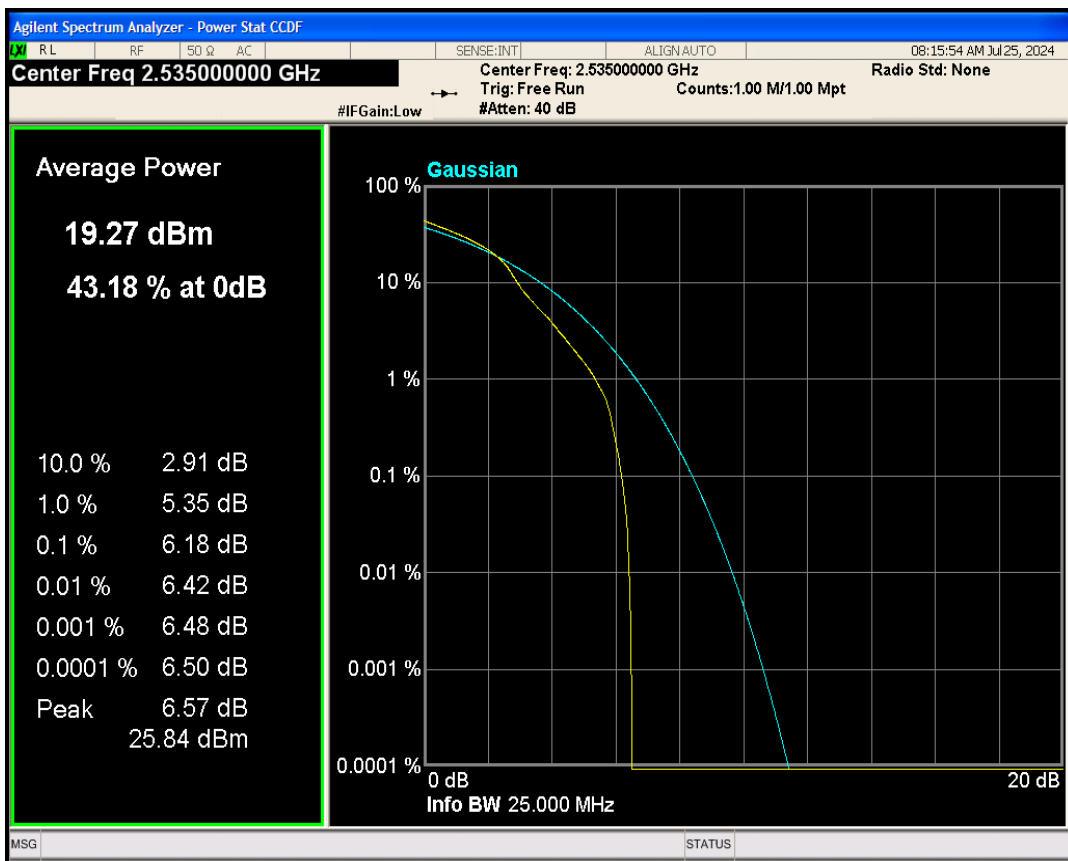
Band7 16QAM BW=15MHz Channel=20825 RB Size=1 Position=#0



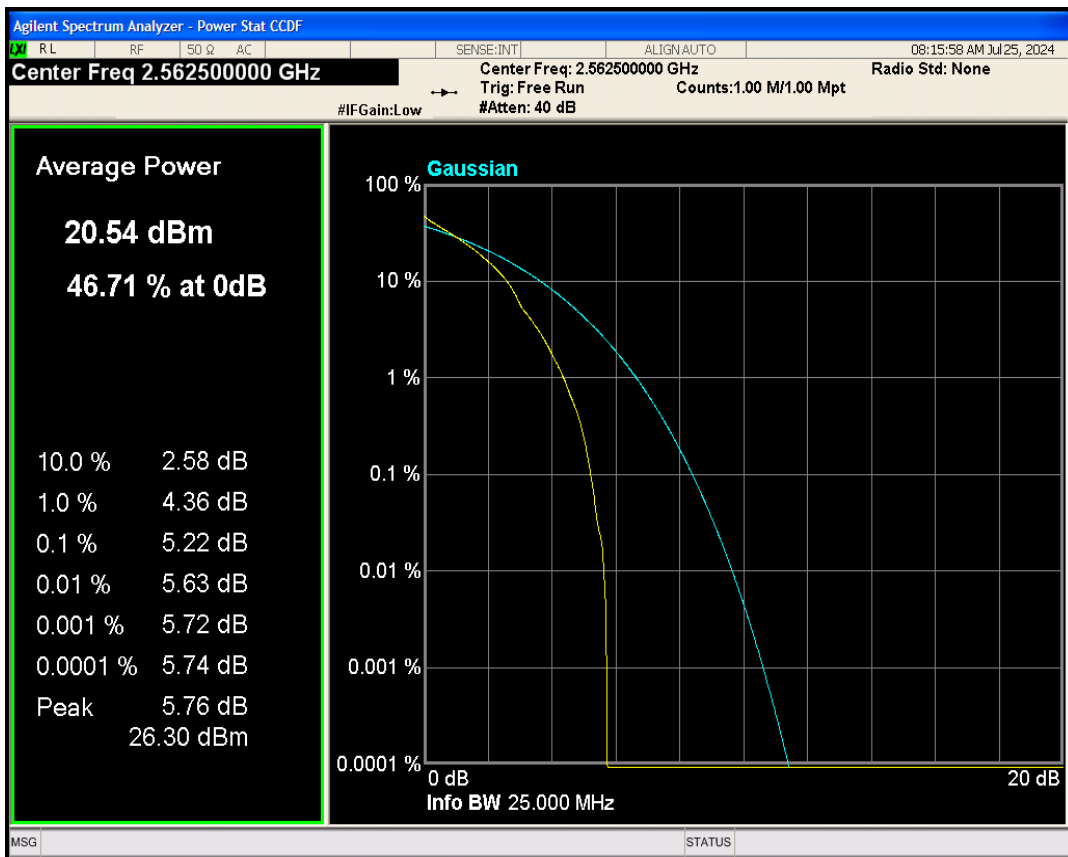
Band7 QPSK BW=15MHz Channel=21100 RB Size=1 Position=#0



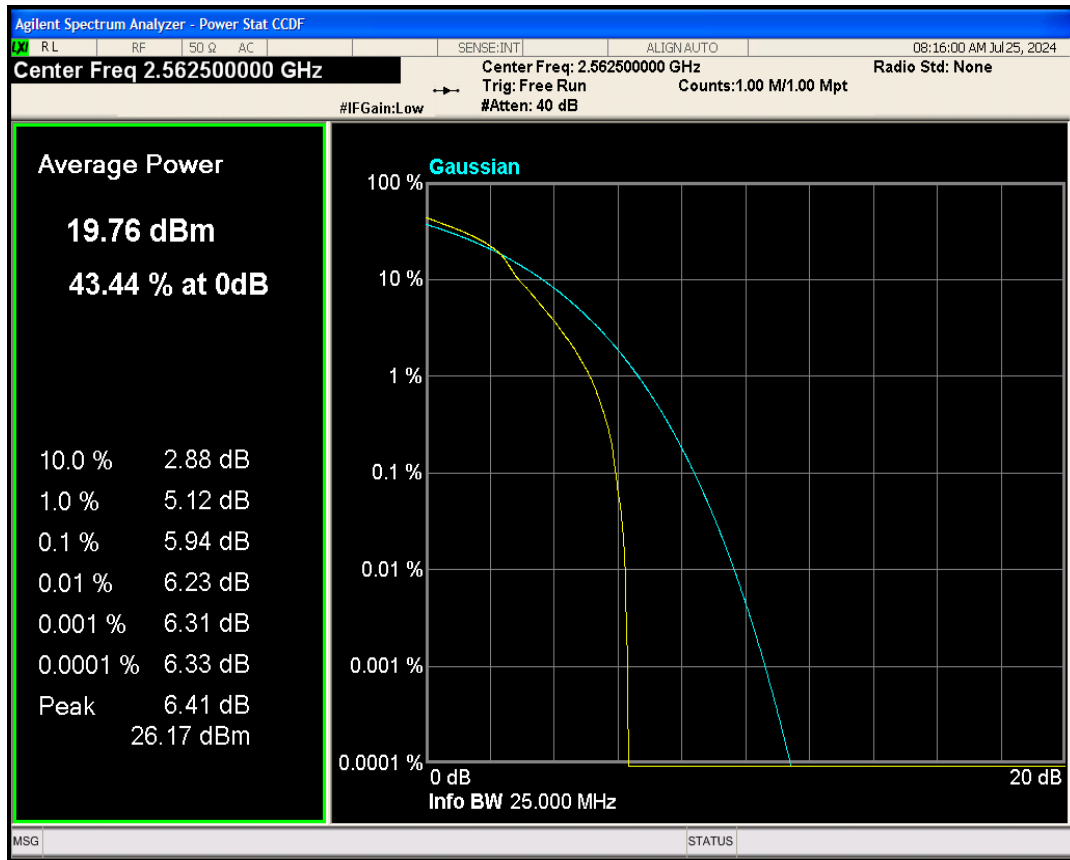
Band7 16QAM BW=15MHz Channel=21100 RB Size=1 Position=#0



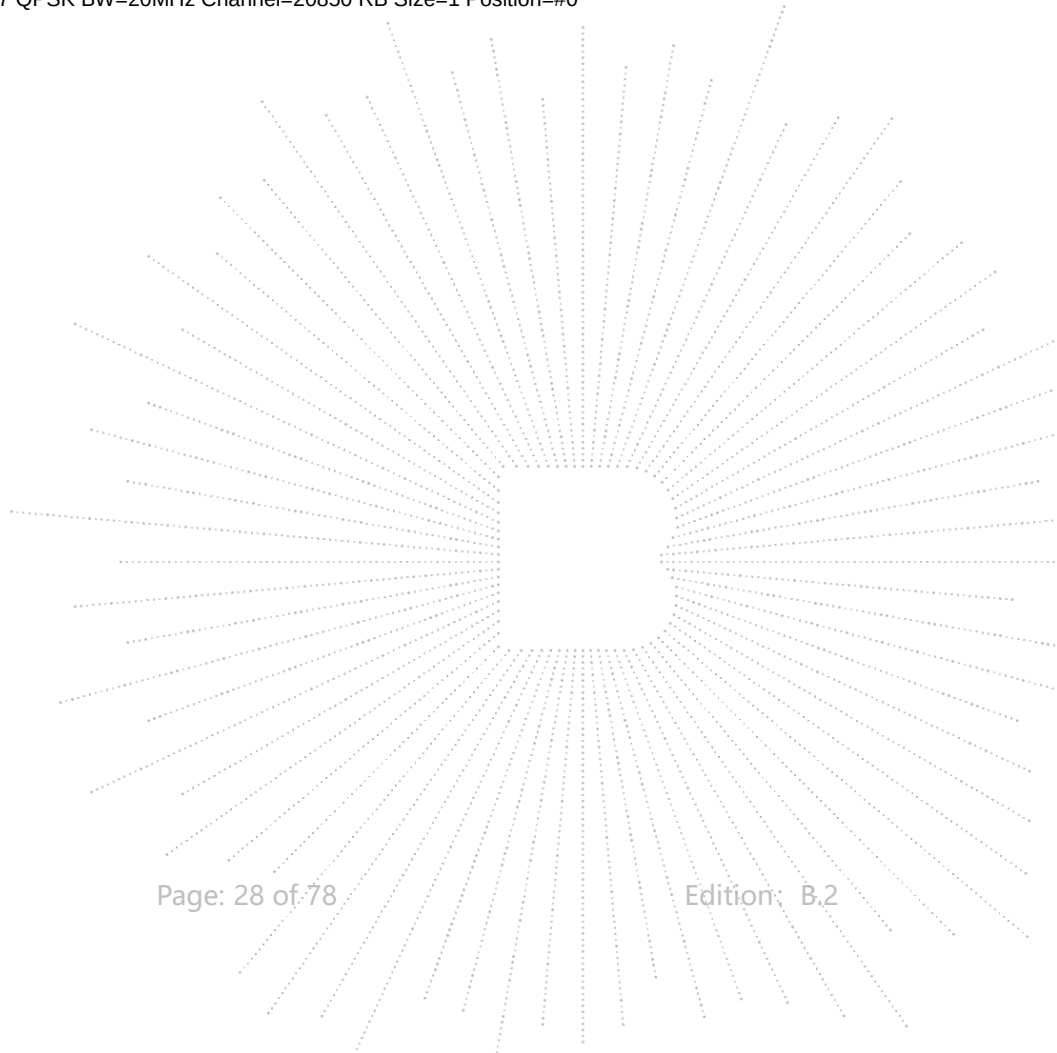
Band7 QPSK BW=15MHz Channel=21375 RB Size=1 Position=#0

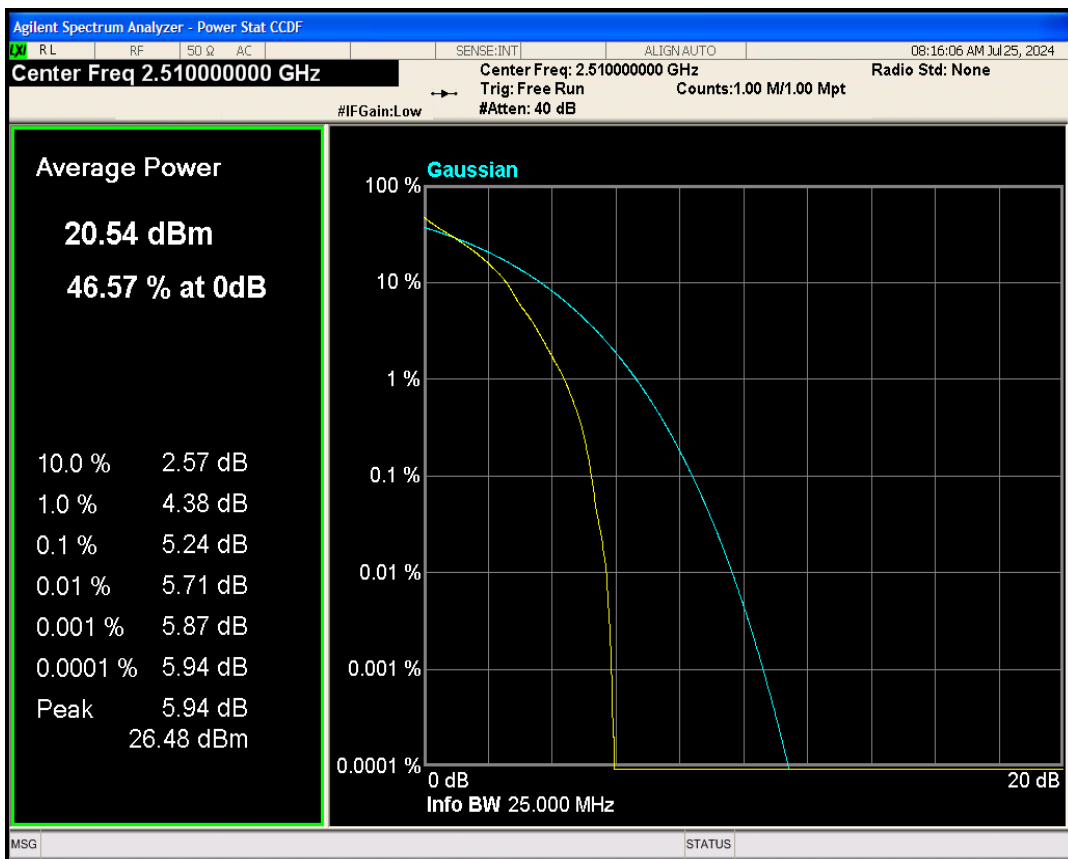


Band7 16QAM BW=15MHz Channel=21375 RB Size=1 Position=#0

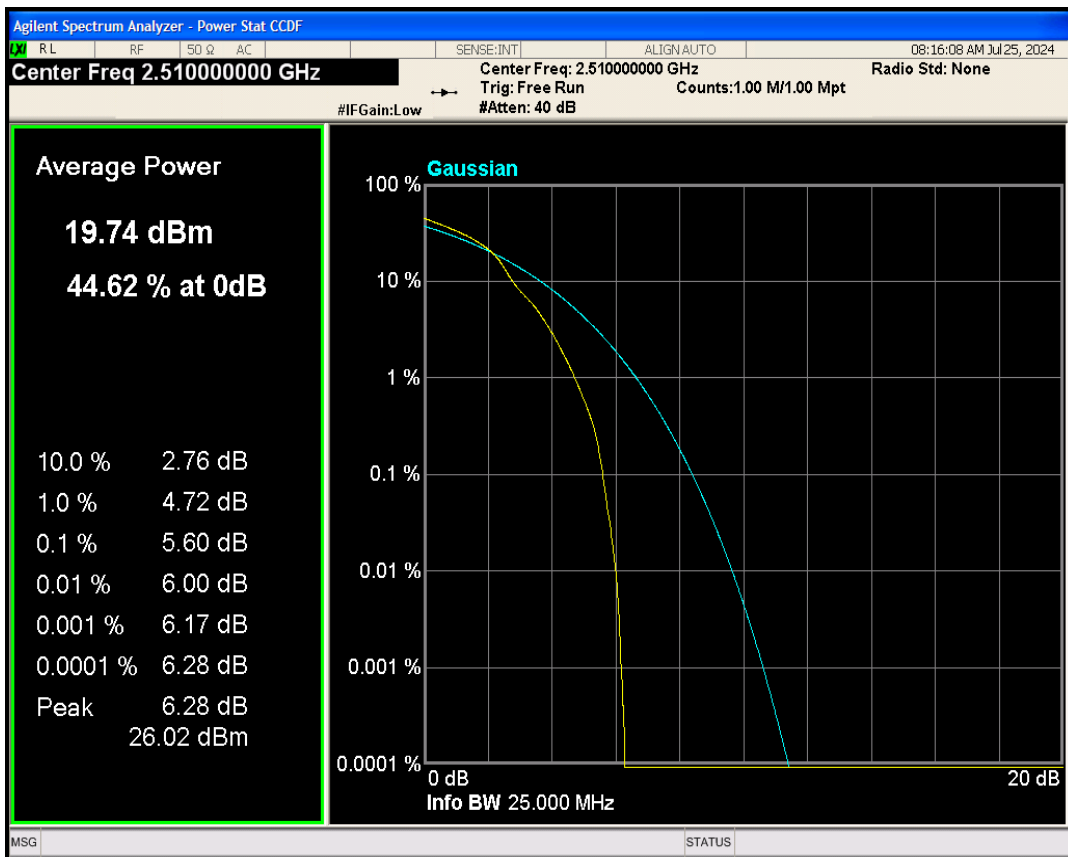


Band7 QPSK BW=20MHz Channel=20850 RB Size=1 Position=#0



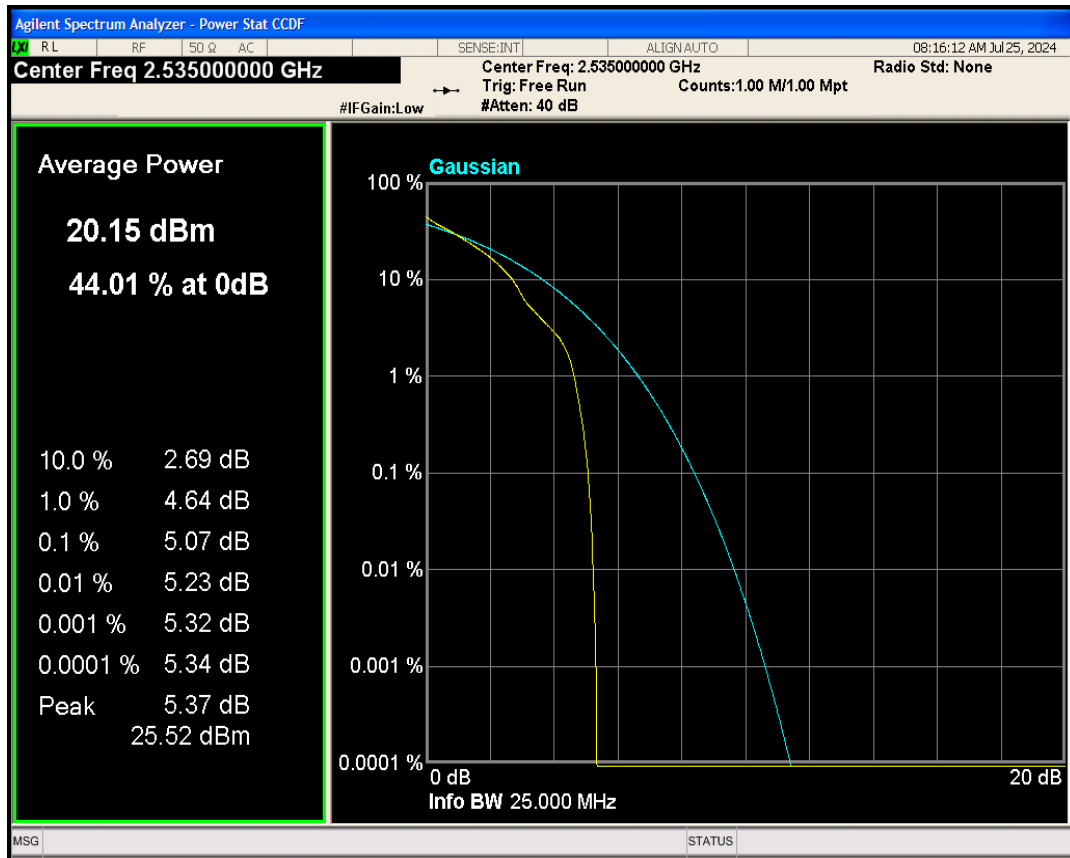


Band7 16QAM BW=20MHz Channel=20850 RB Size=1 Position=#0

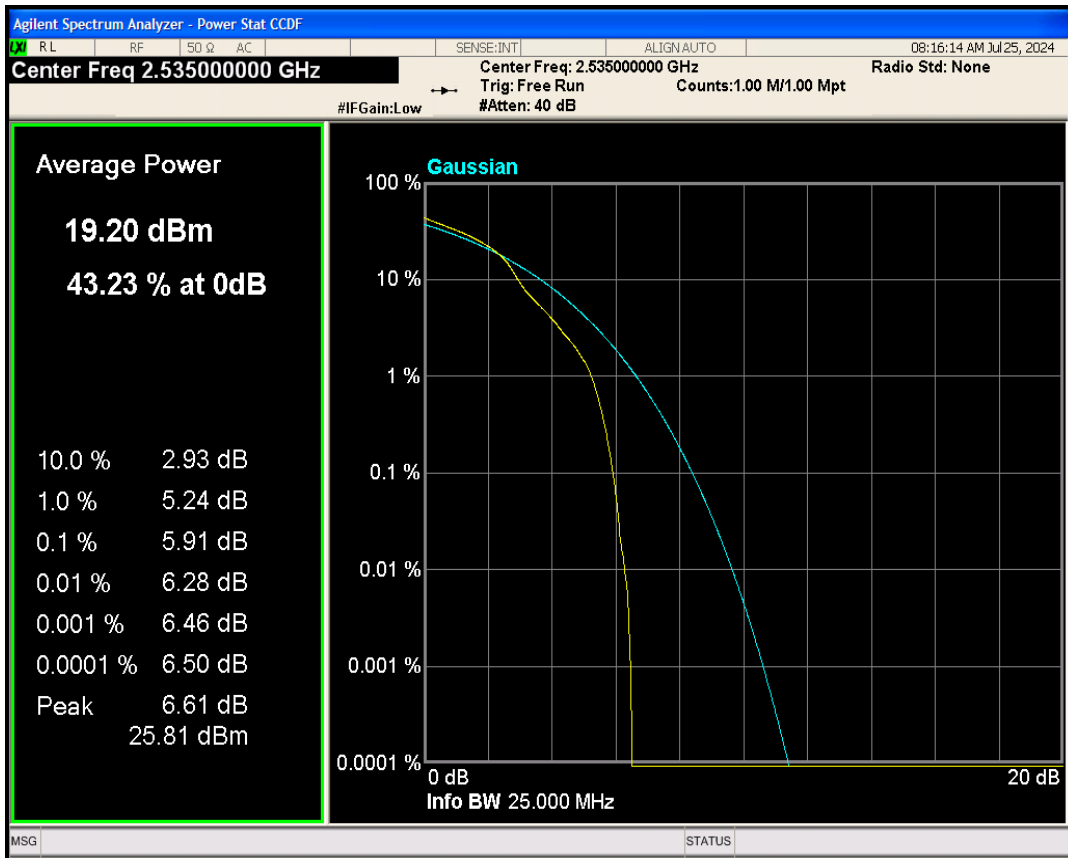




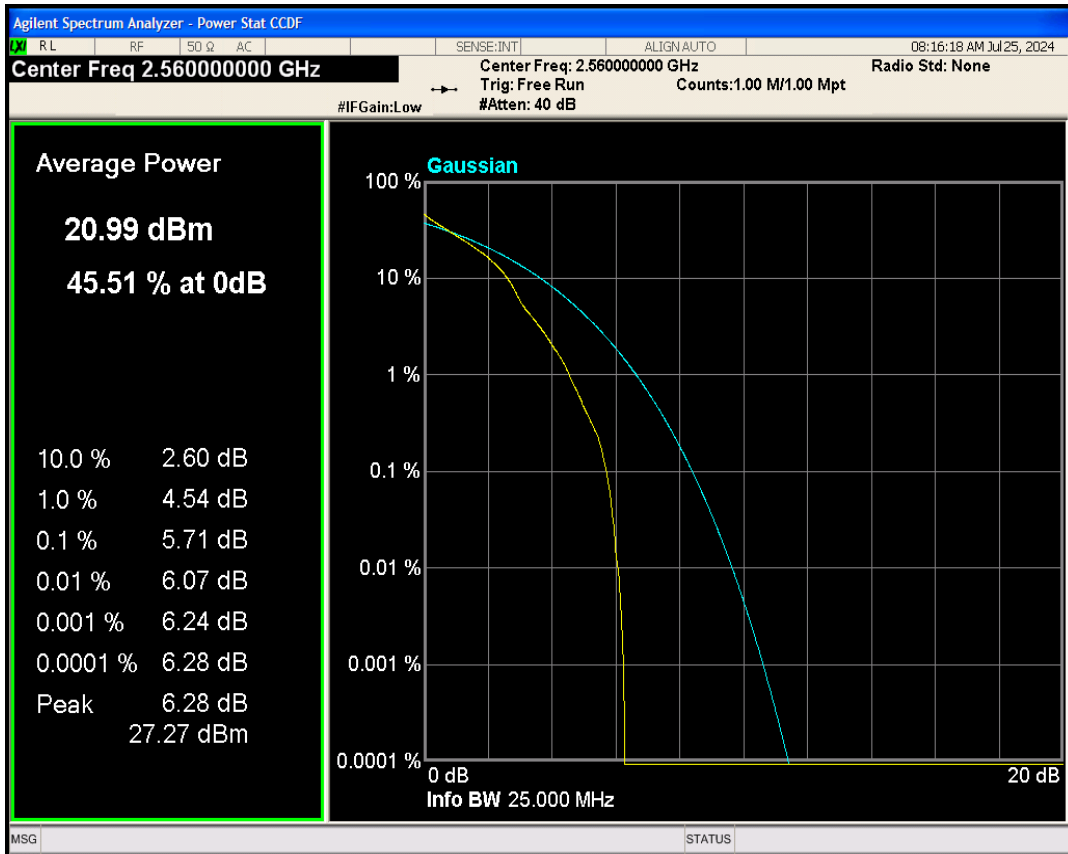
Band7 QPSK BW=20MHz Channel=21100 RB Size=1 Position=#0



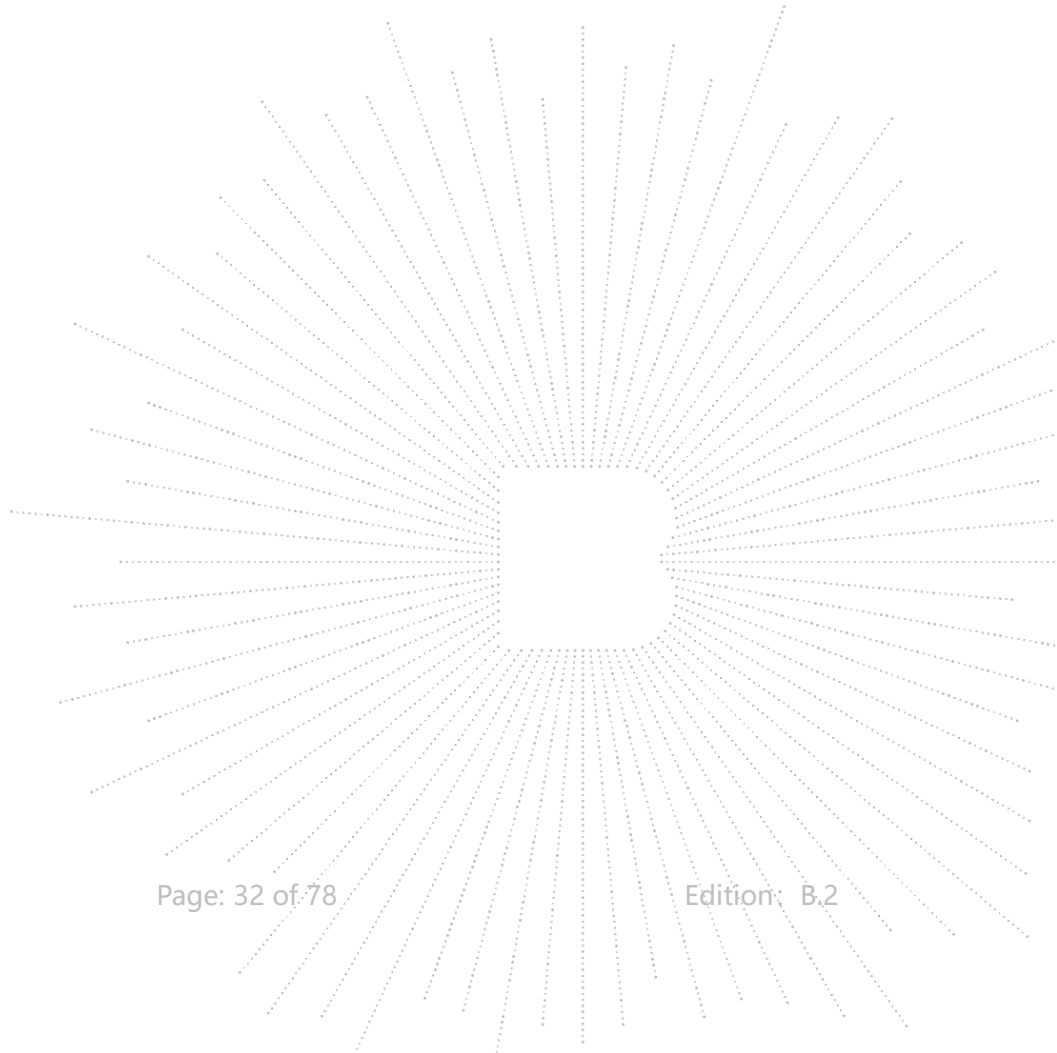
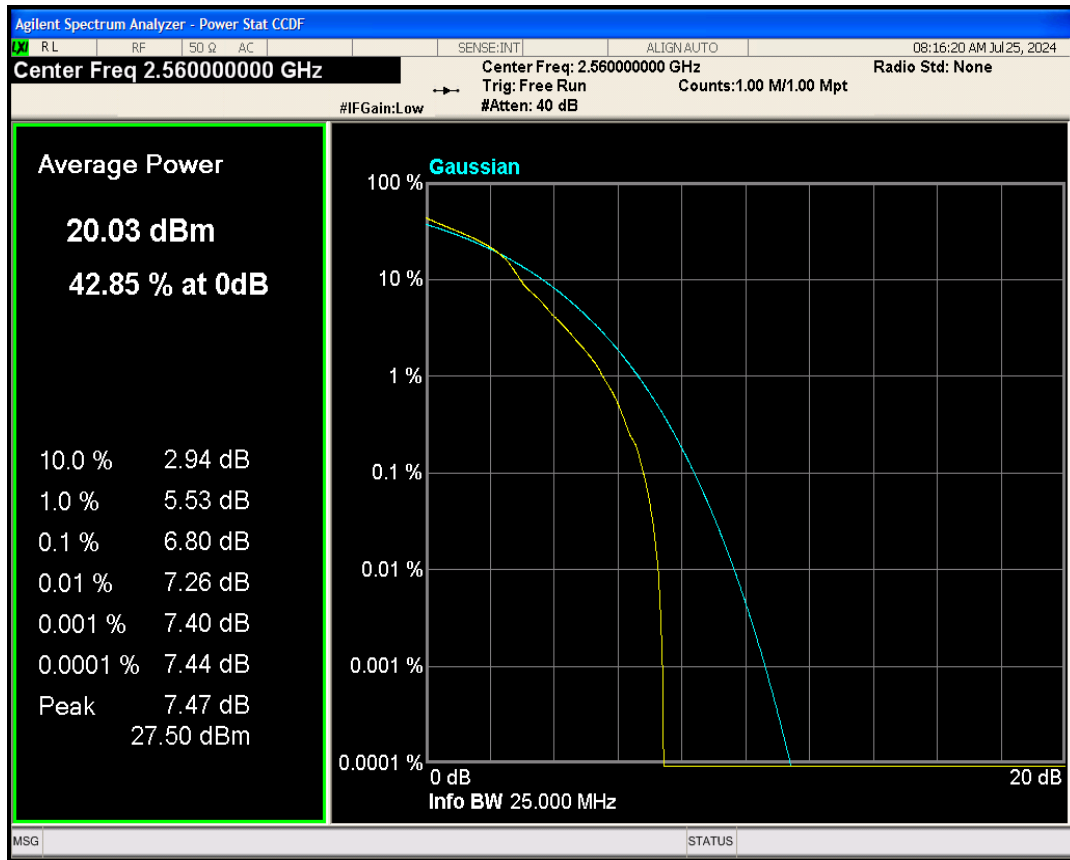
Band7 16QAM BW=20MHz Channel=21100 RB Size=1 Position=#0



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



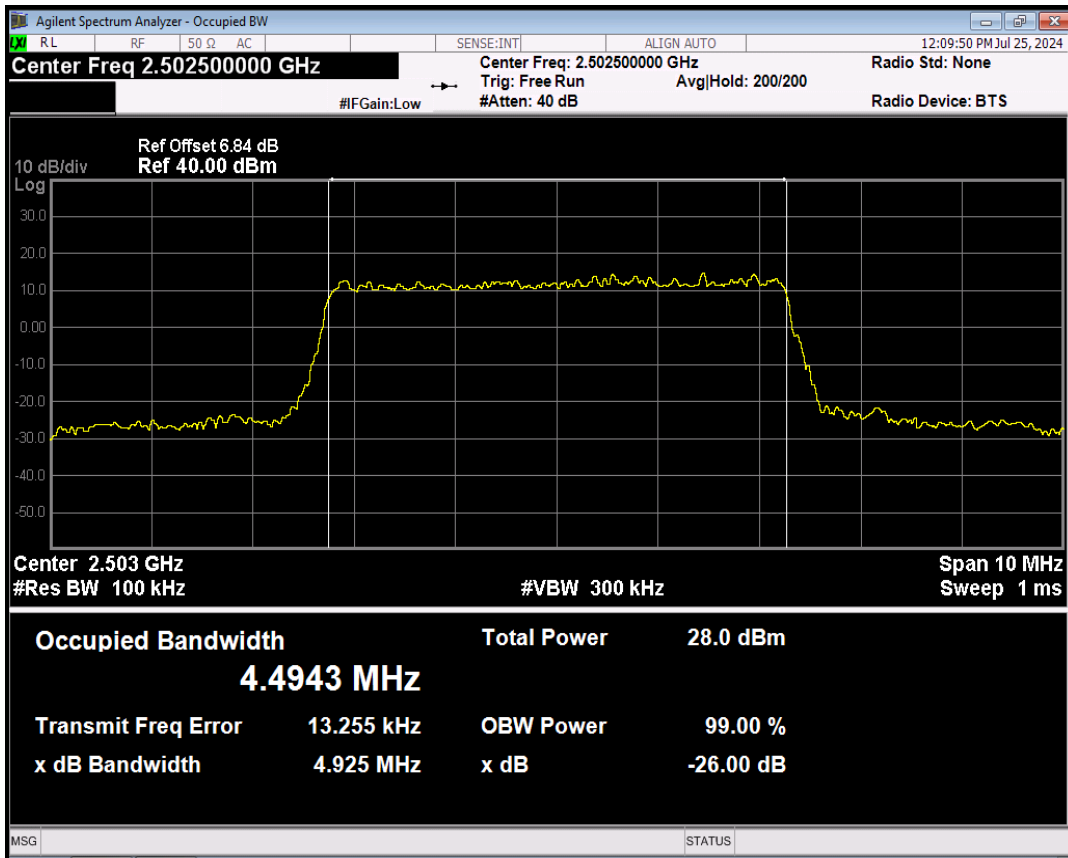
Band7 16QAM BW=20MHz Channel=21350 RB Size=1 Position=#0



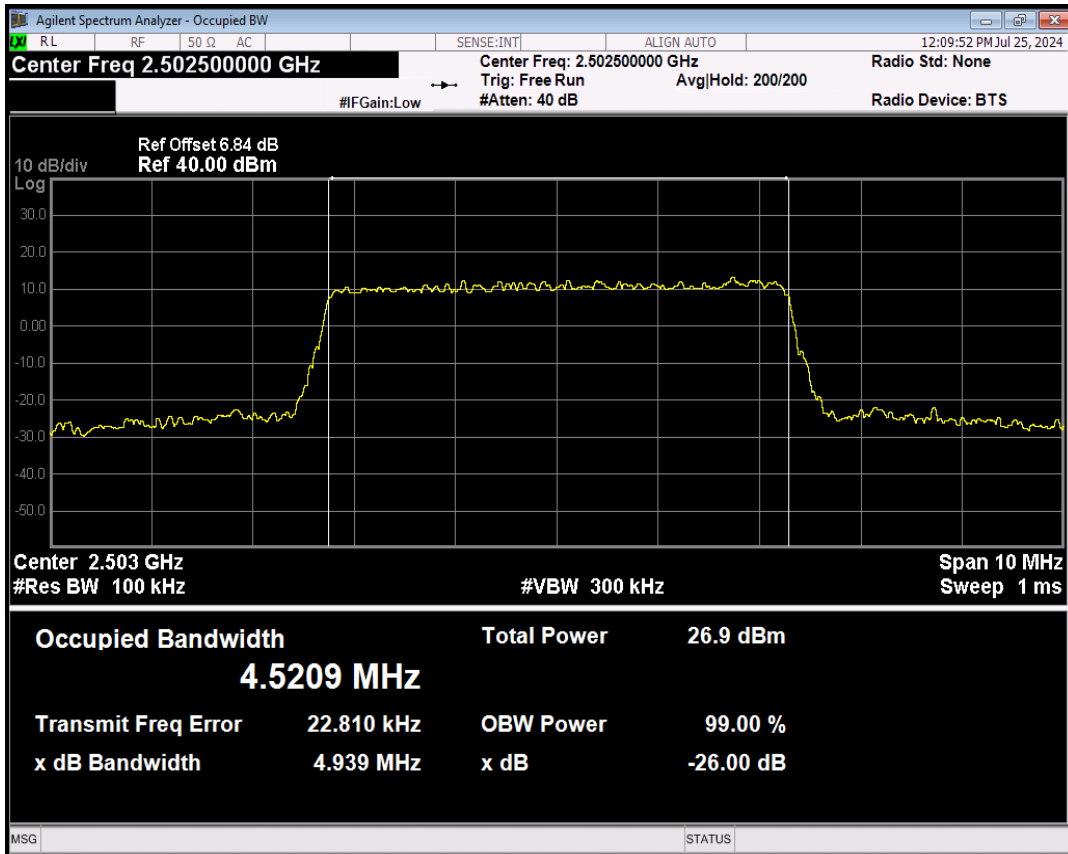
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band7	5	20775	25	#0	QPSK	4.494	4.925	PASS
Band7	5	20775	25	#0	16QAM	4.521	4.939	PASS
Band7	5	21100	25	#0	QPSK	4.508	4.867	PASS
Band7	5	21100	25	#0	16QAM	4.503	4.956	PASS
Band7	5	21425	25	#0	QPSK	4.512	4.915	PASS
Band7	5	21425	25	#0	16QAM	4.503	4.855	PASS
Band7	10	20800	50	#0	QPSK	8.984	9.685	PASS
Band7	10	20800	50	#0	16QAM	8.983	9.724	PASS
Band7	10	21100	50	#0	QPSK	8.977	9.654	PASS
Band7	10	21100	50	#0	16QAM	9.004	9.721	PASS
Band7	10	21400	50	#0	QPSK	8.985	9.741	PASS
Band7	10	21400	50	#0	16QAM	8.985	9.666	PASS
Band7	15	20825	75	#0	QPSK	13.457	14.573	PASS
Band7	15	20825	75	#0	16QAM	13.420	14.349	PASS
Band7	15	21100	75	#0	QPSK	13.474	14.549	PASS
Band7	15	21100	75	#0	16QAM	13.505	14.502	PASS
Band7	15	21375	75	#0	QPSK	13.411	14.454	PASS
Band7	15	21375	75	#0	16QAM	13.475	14.558	PASS
Band7	20	20850	100	#0	QPSK	17.916	19.167	PASS
Band7	20	20850	100	#0	16QAM	17.943	19.325	PASS
Band7	20	21100	100	#0	QPSK	18.051	19.199	PASS
Band7	20	21100	100	#0	16QAM	17.995	19.255	PASS
Band7	20	21350	100	#0	QPSK	17.995	19.399	PASS
Band7	20	21350	100	#0	16QAM	17.948	19.203	PASS

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

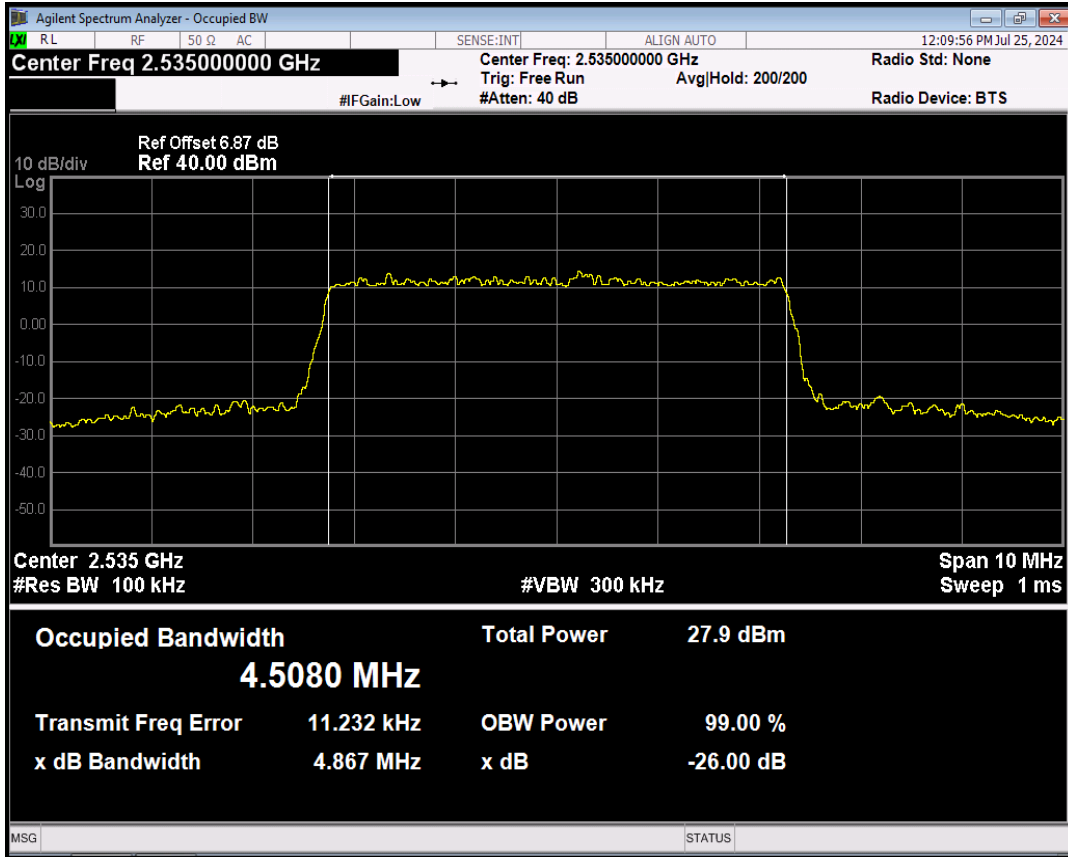


Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0

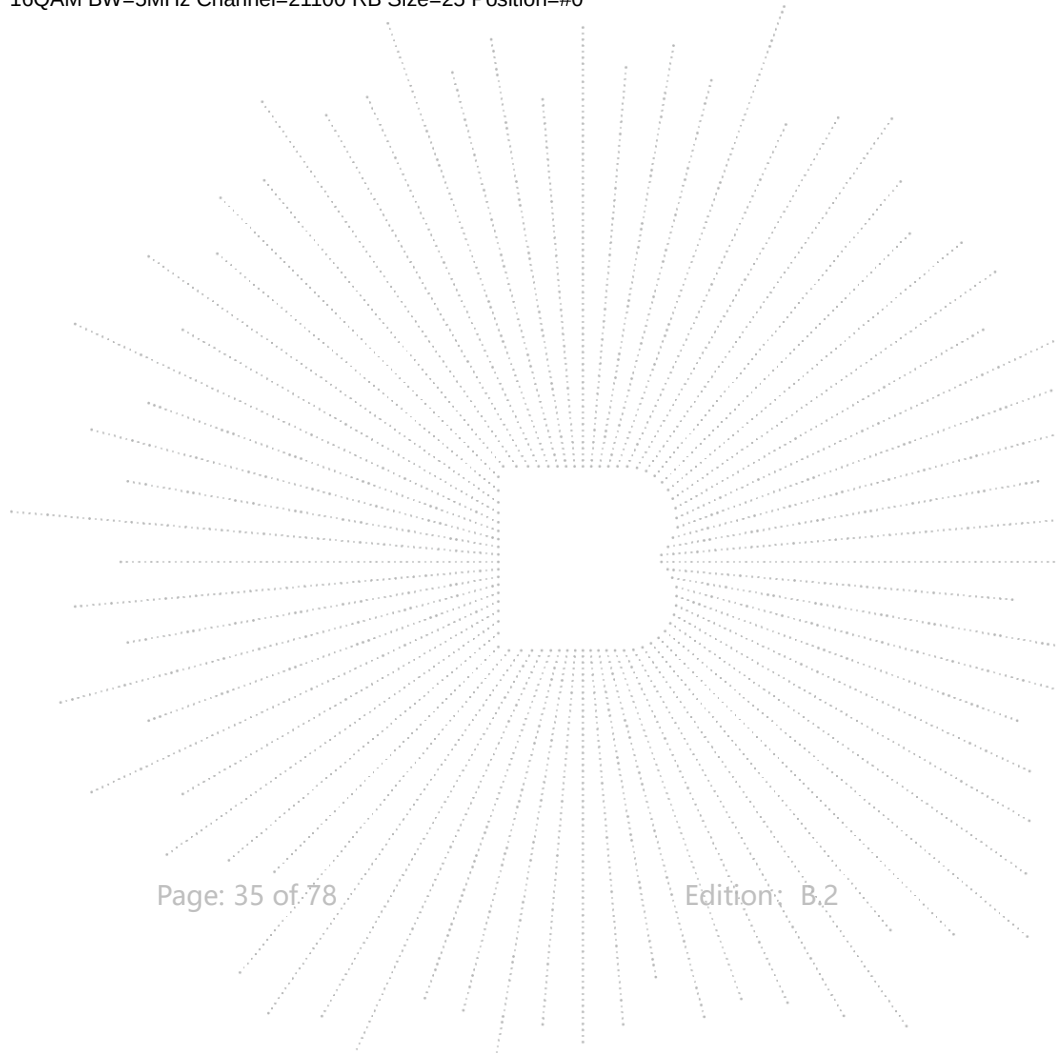


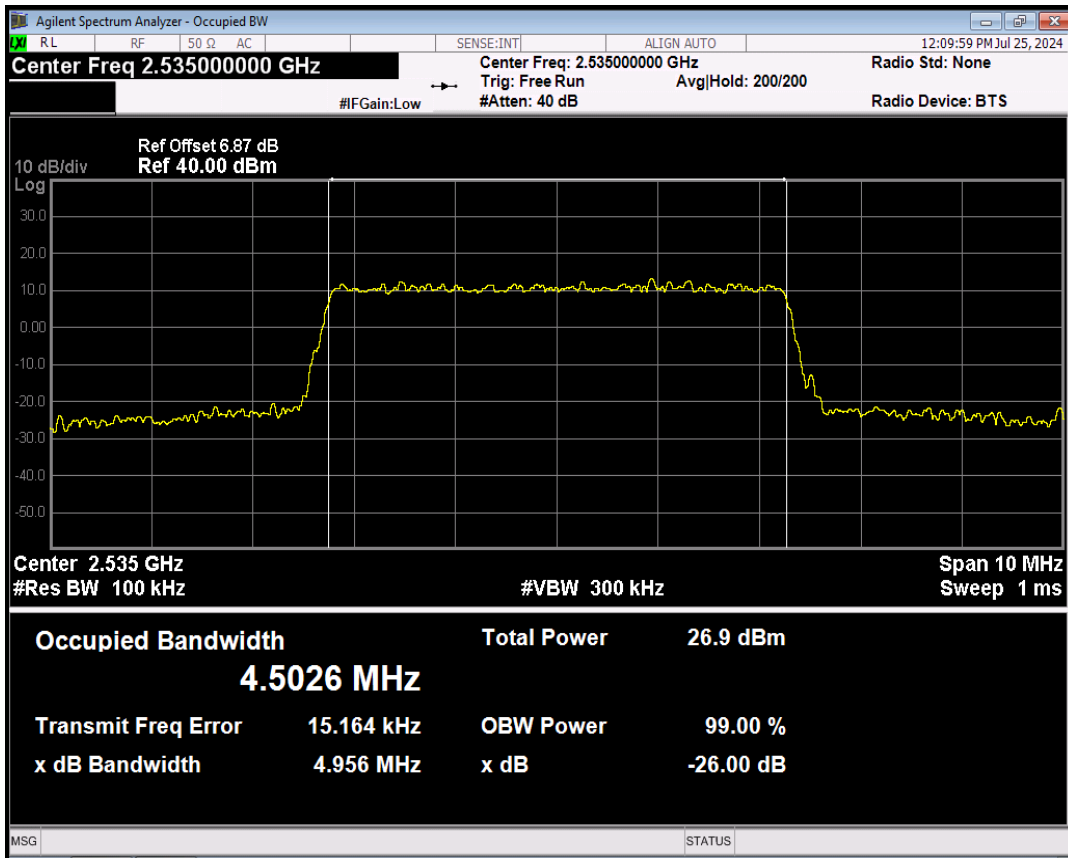


Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0

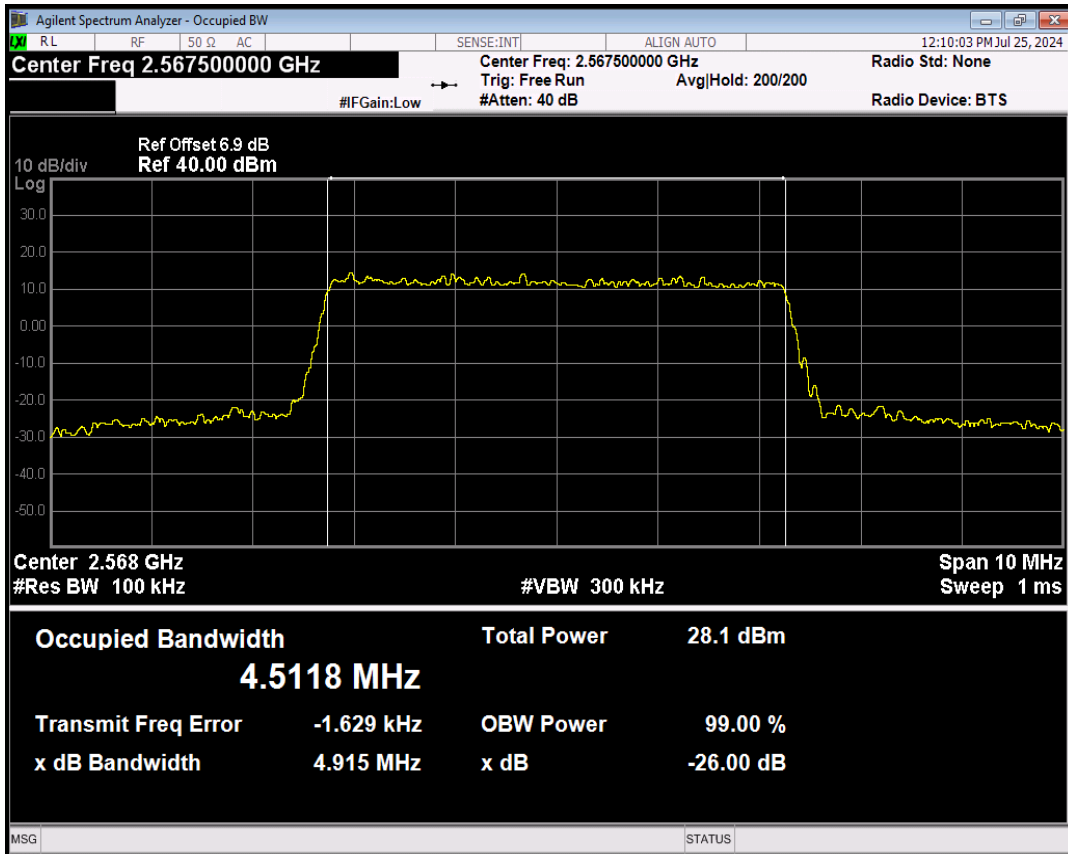


Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0



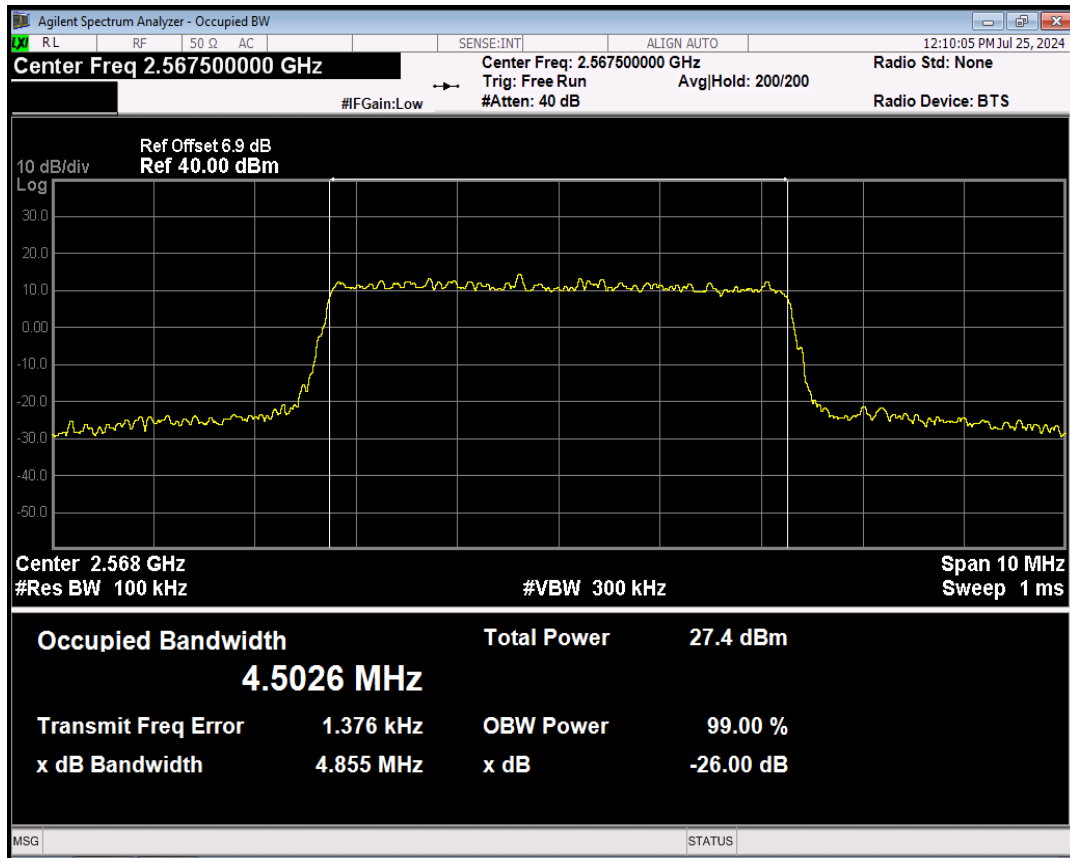


Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0

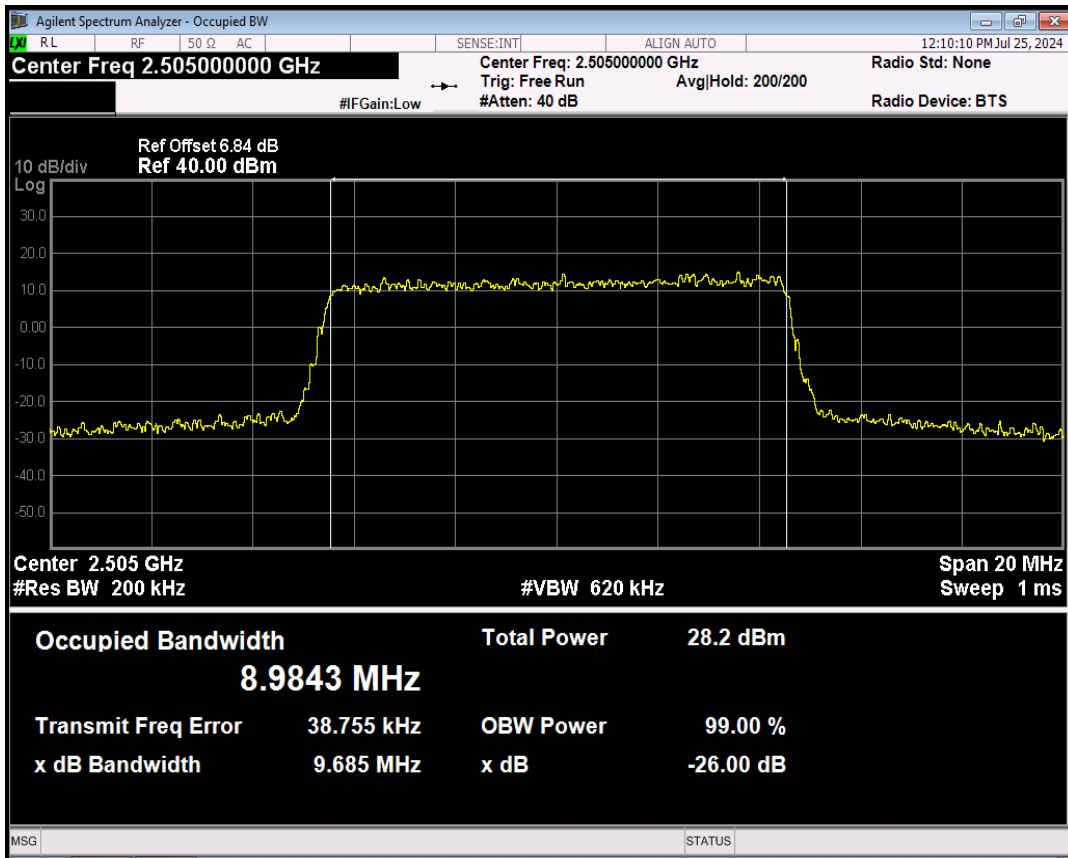




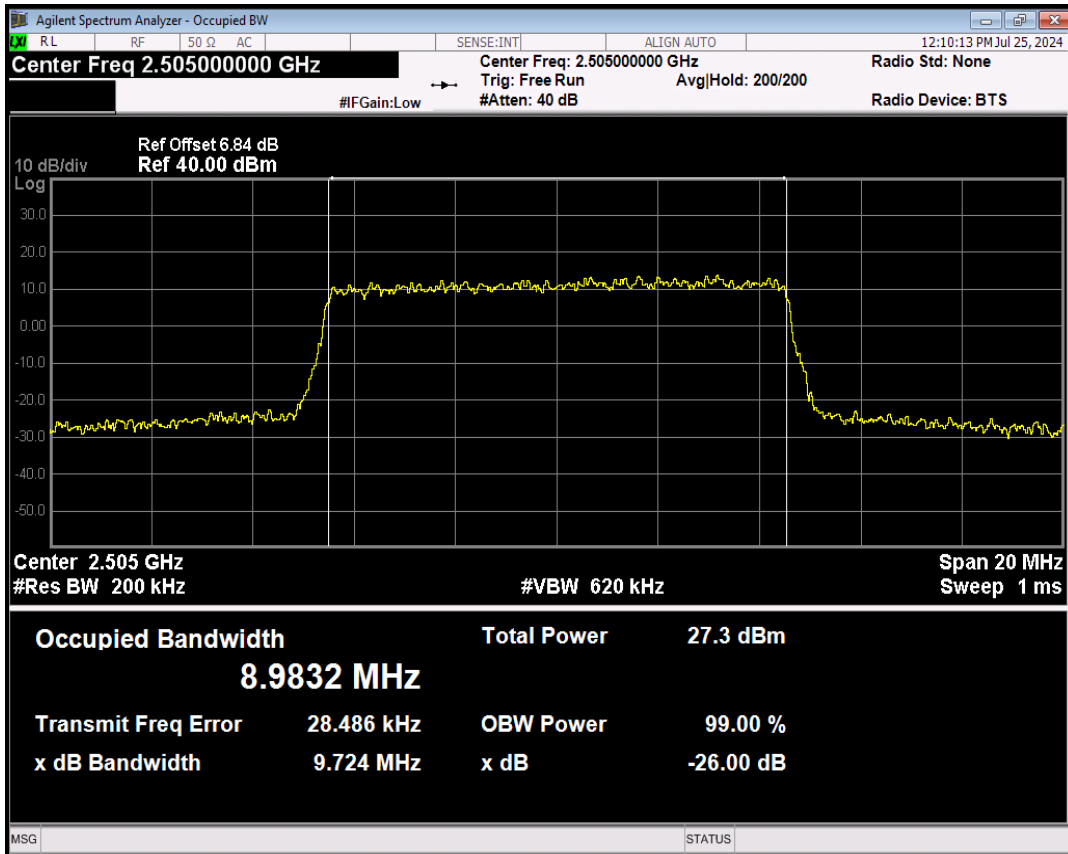
Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0



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

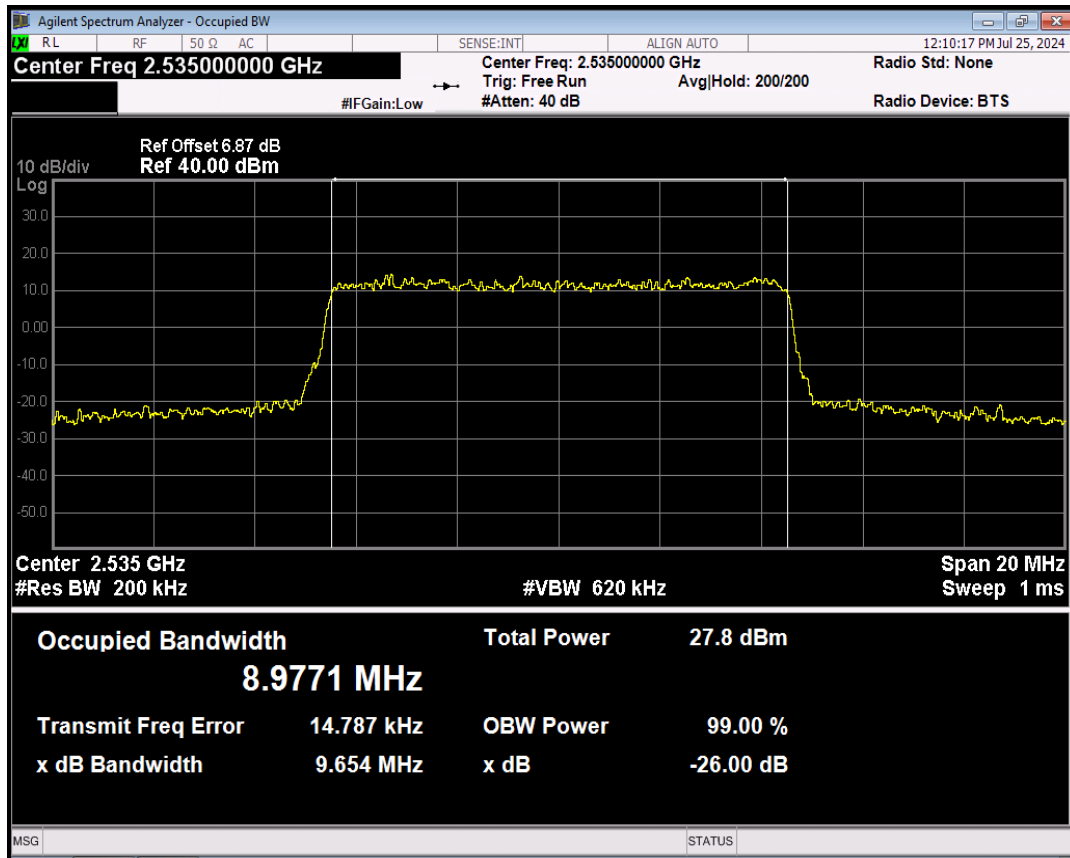


Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0

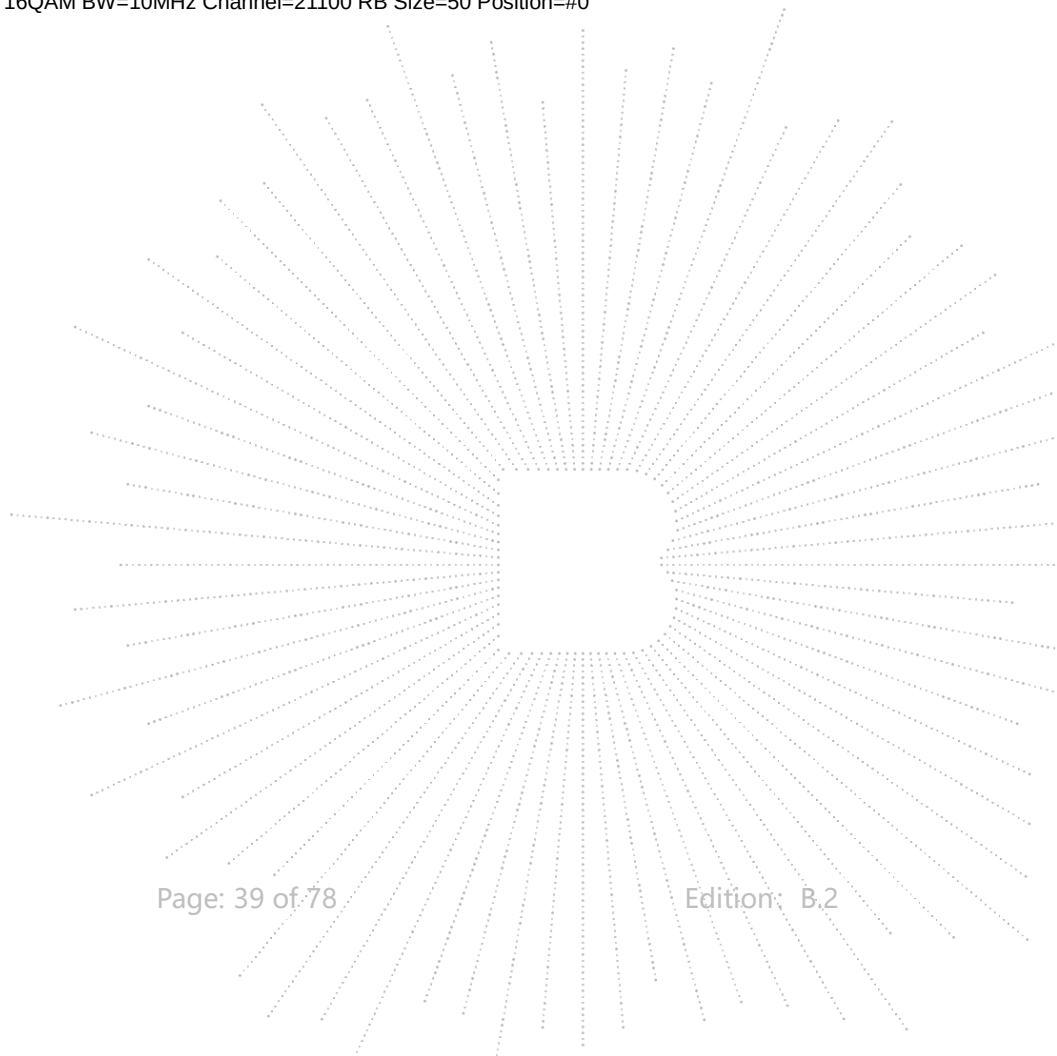


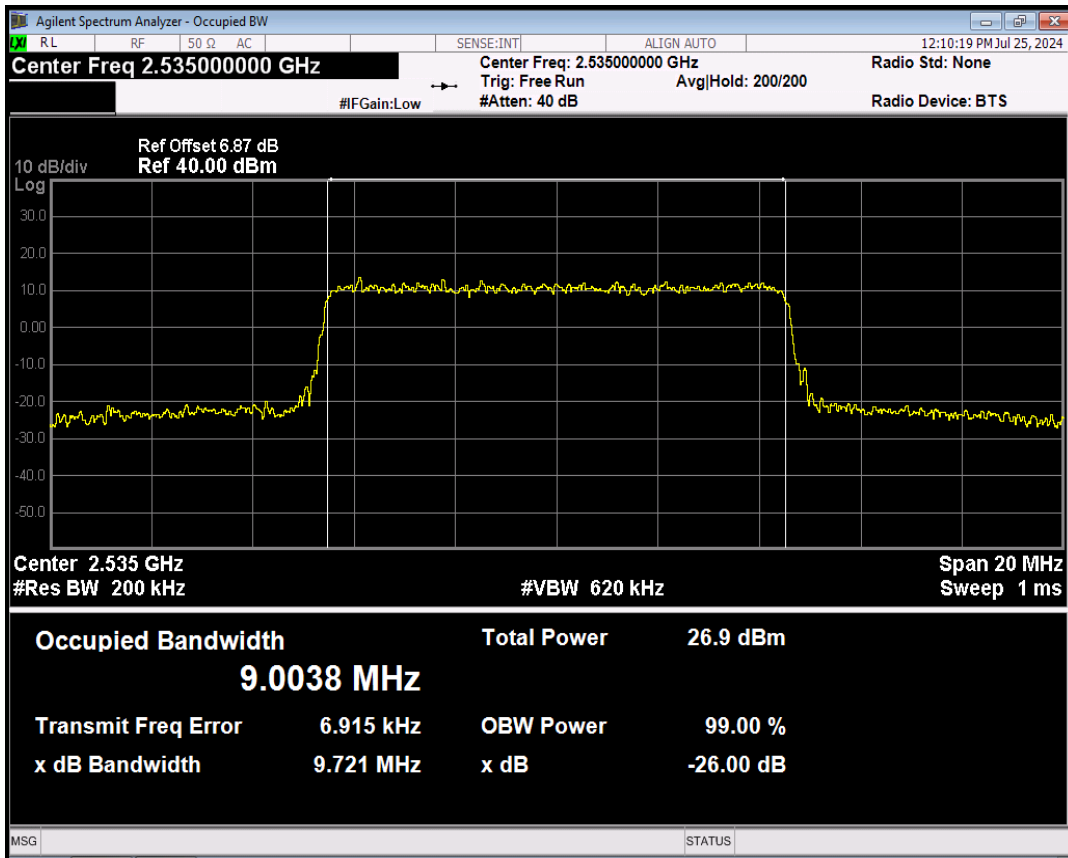


Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0

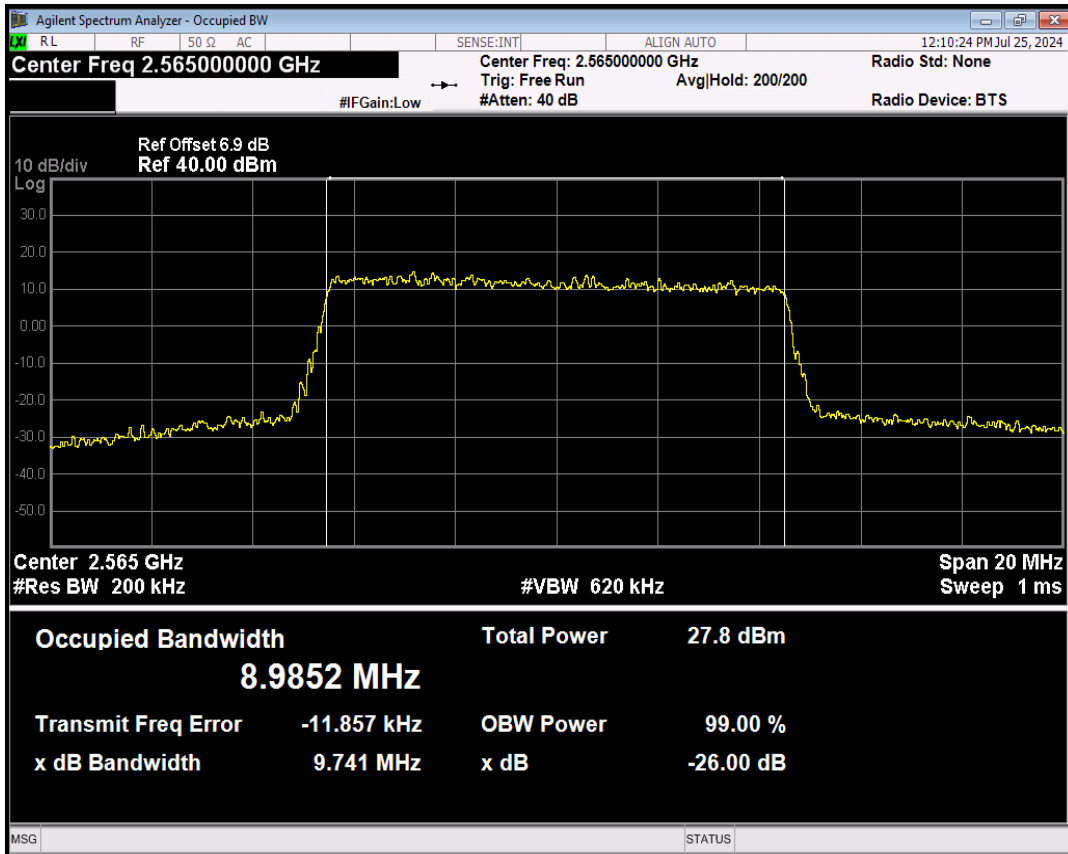


Band7 16QAM BW=10MHz Channel=21100 RB Size=50 Position=#0



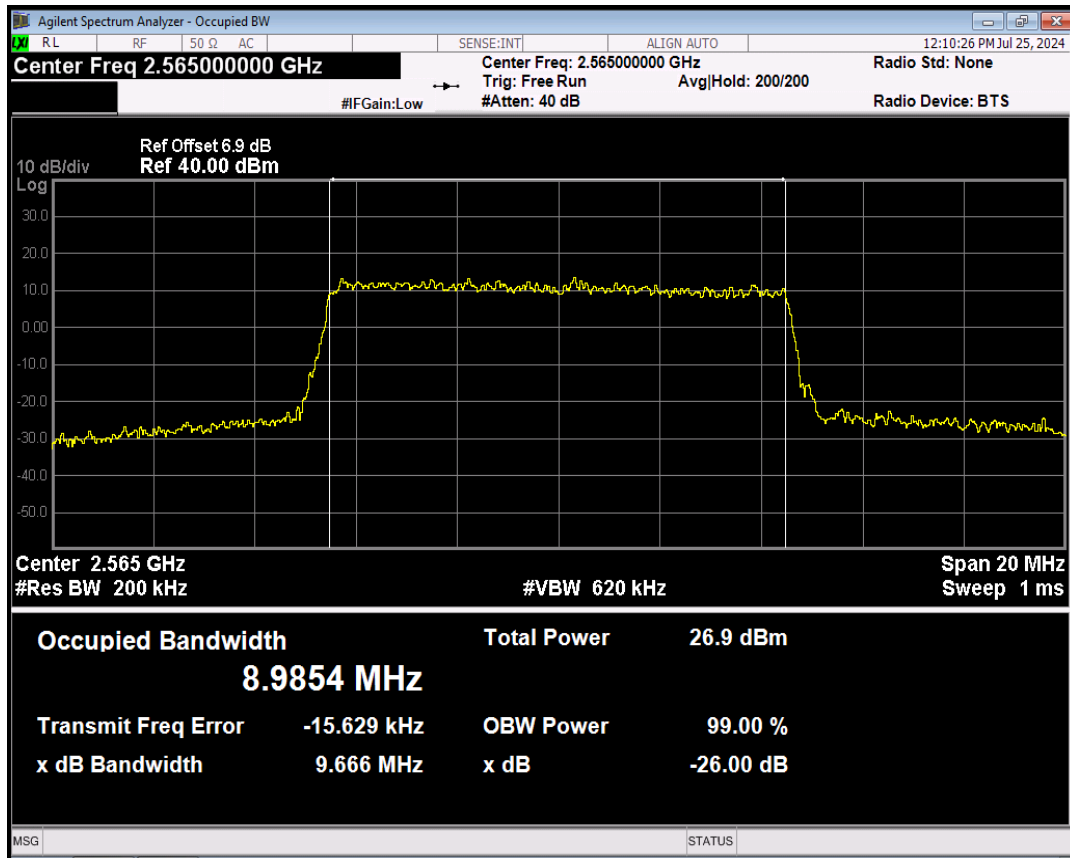


Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

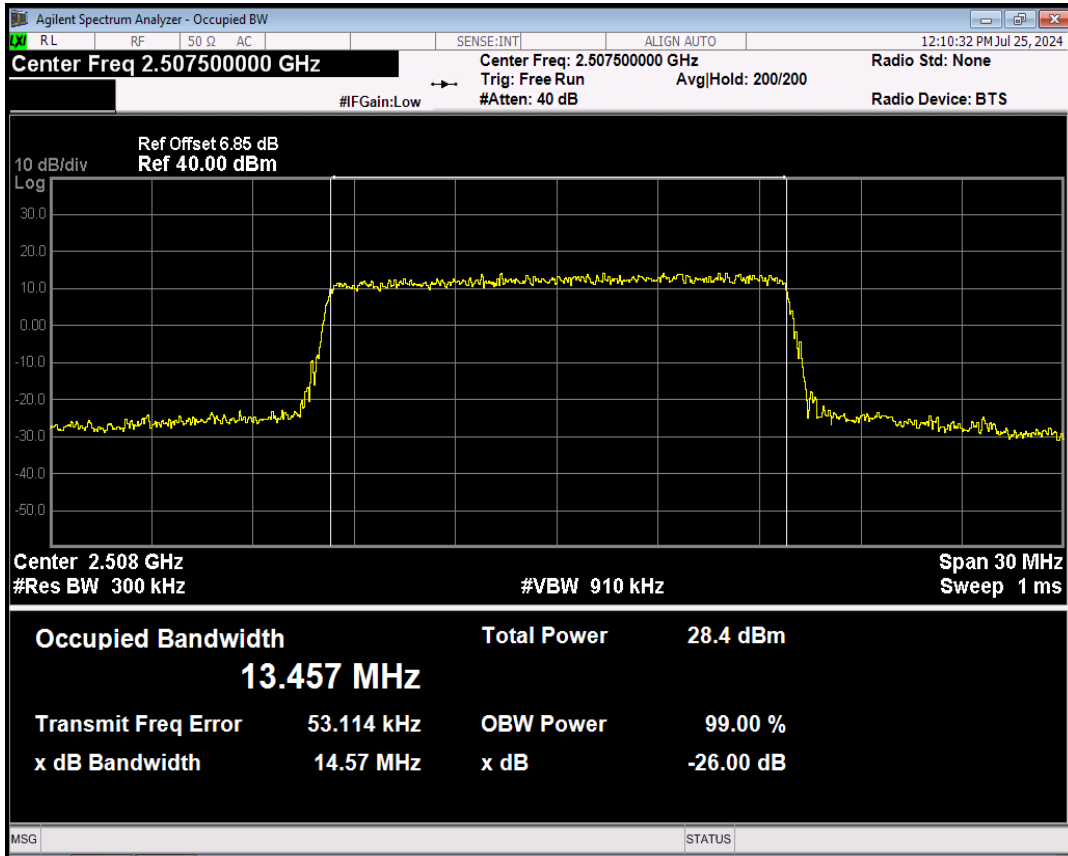




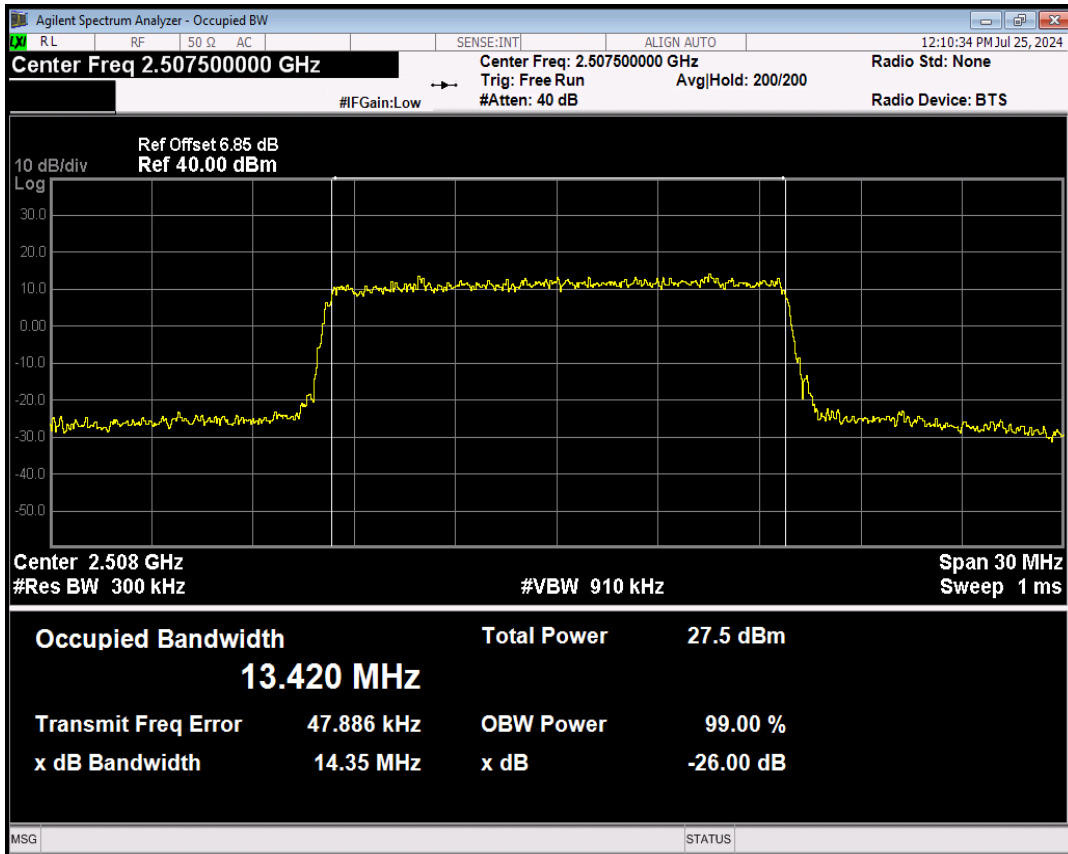
Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0



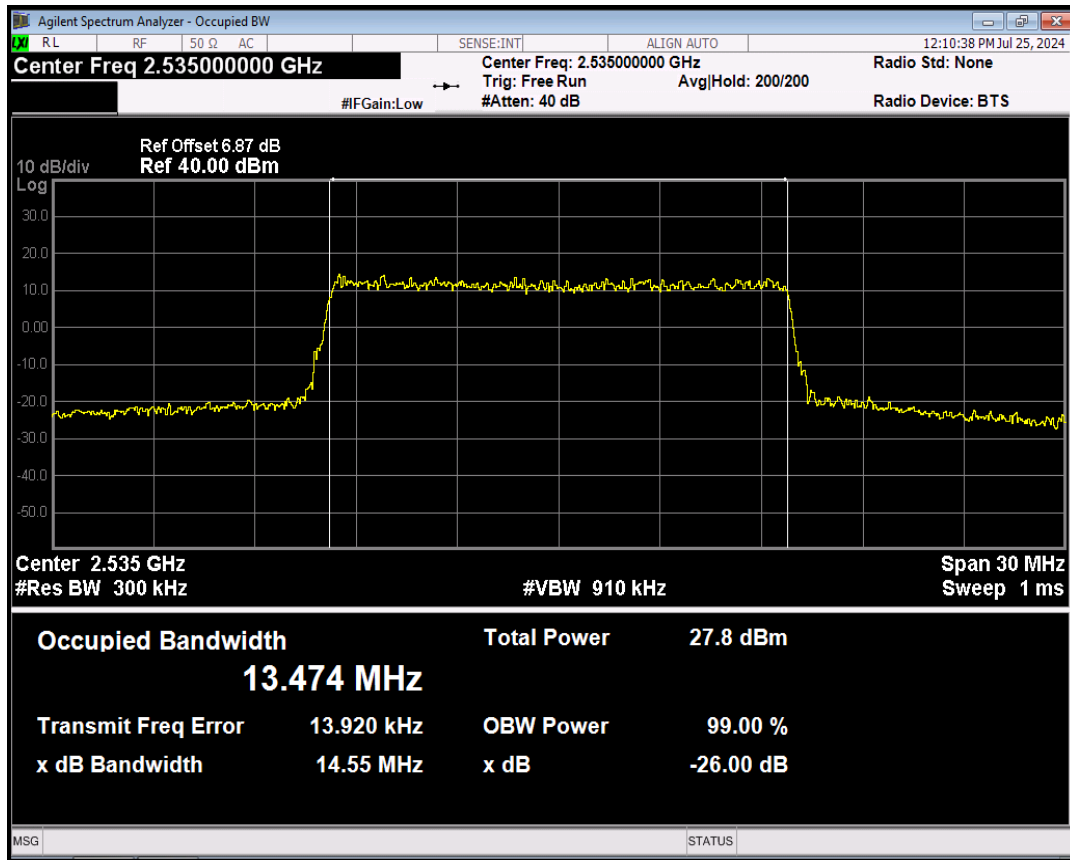
Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0



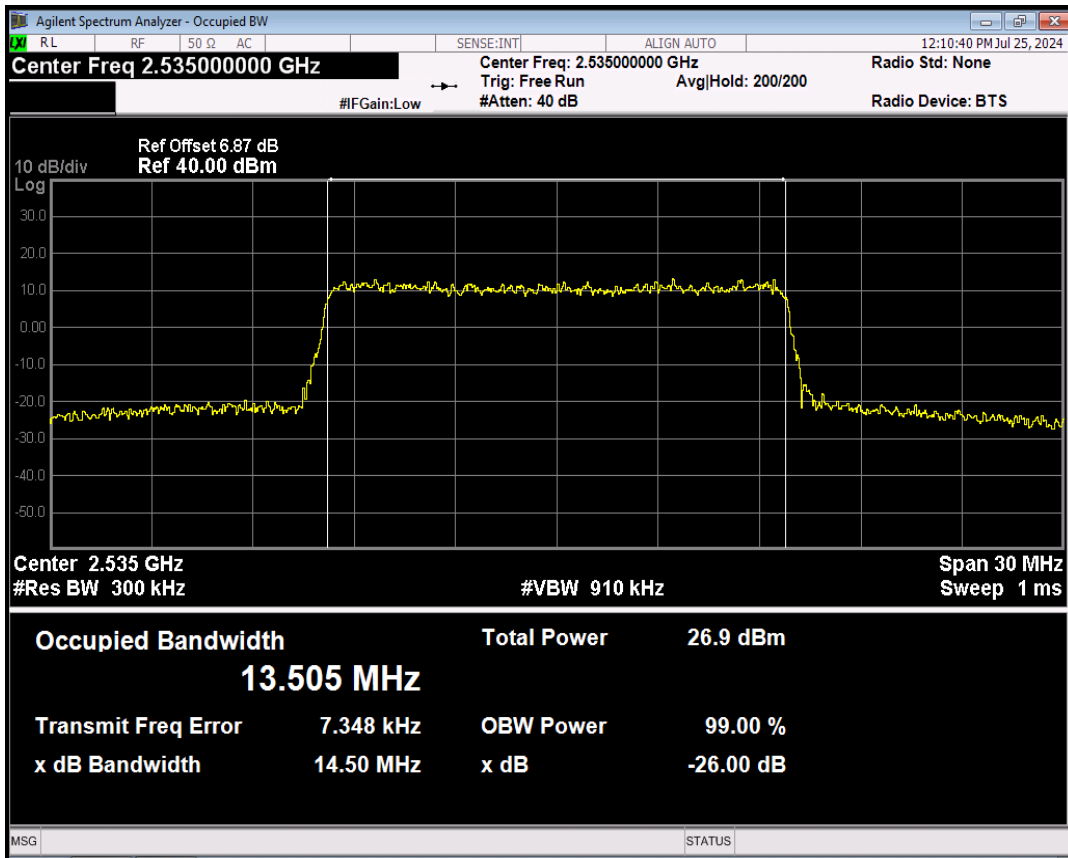
Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0



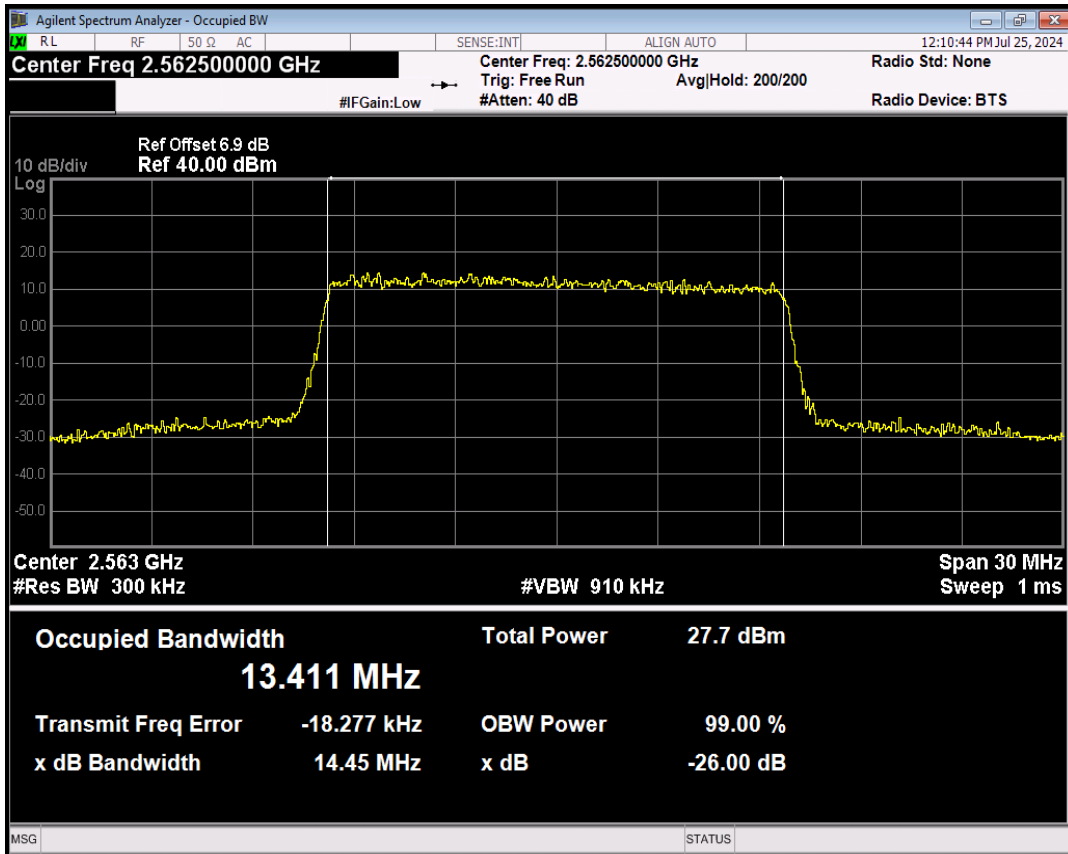
Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0



Band7 16QAM BW=15MHz Channel=21100 RB Size=75 Position=#0

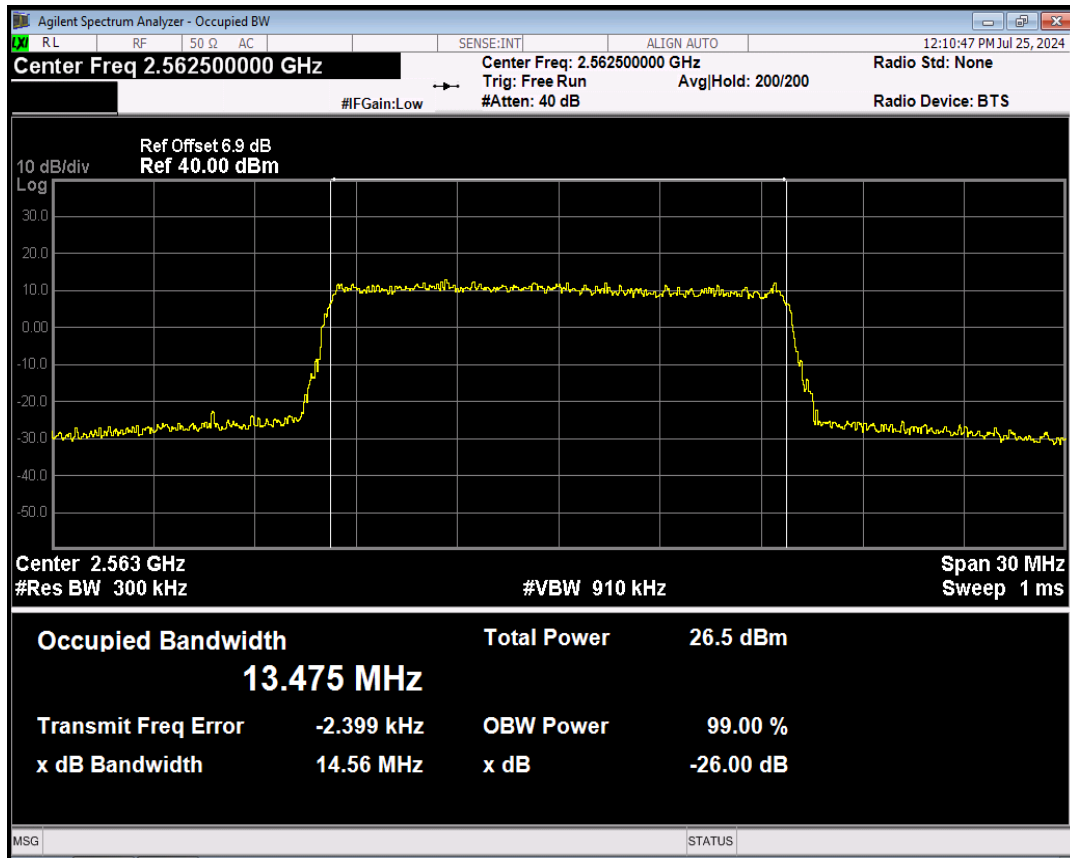


Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0

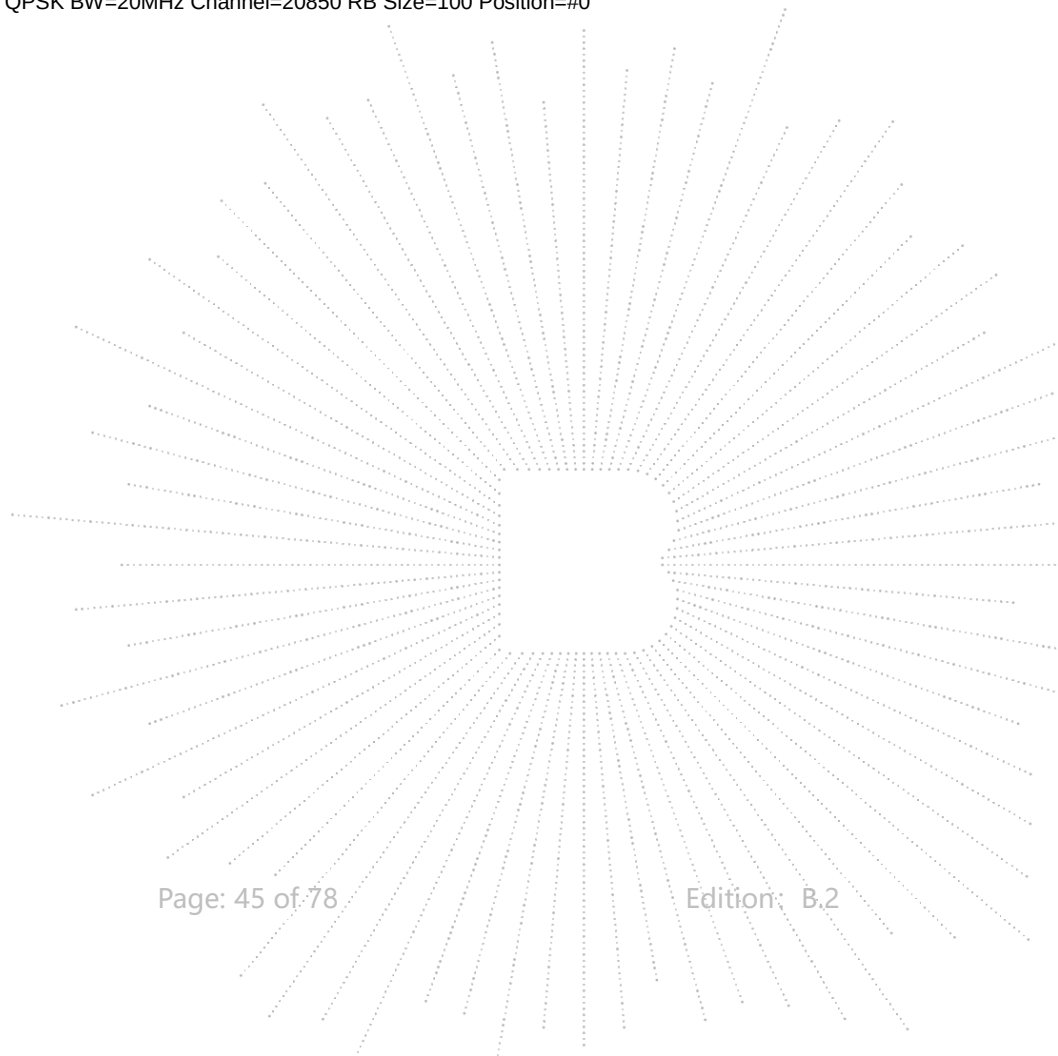


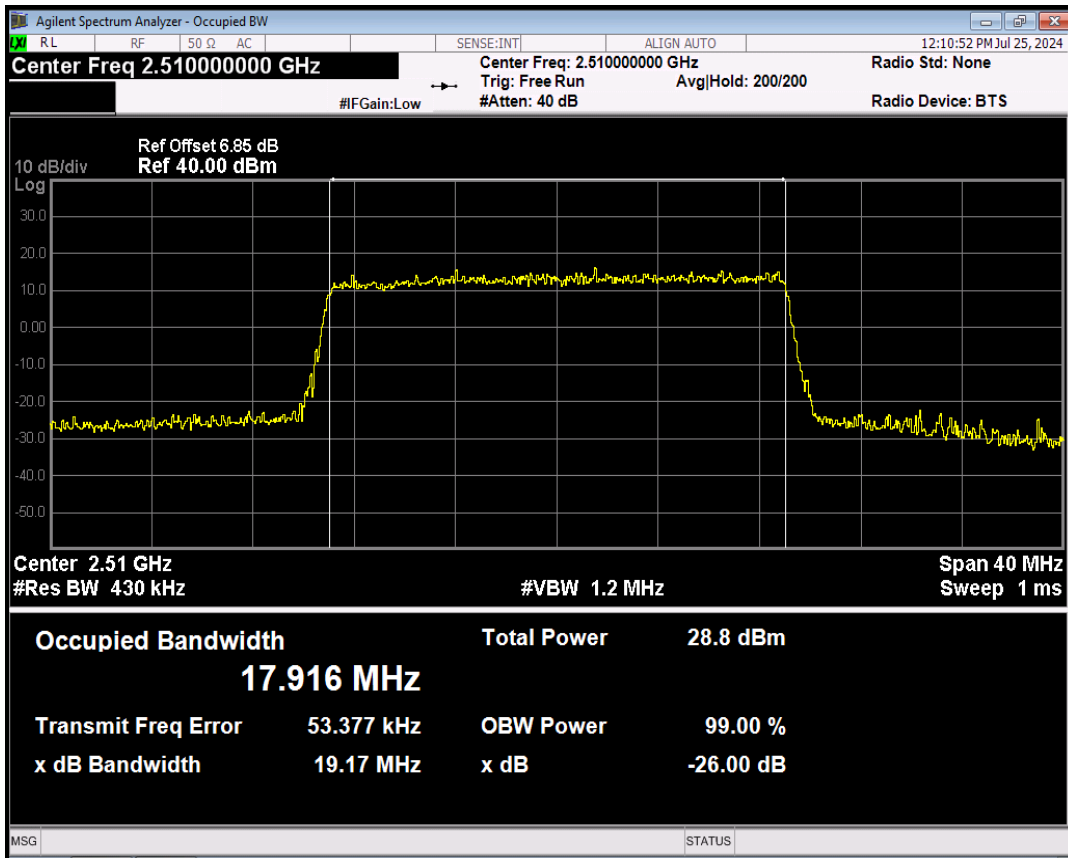


Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0

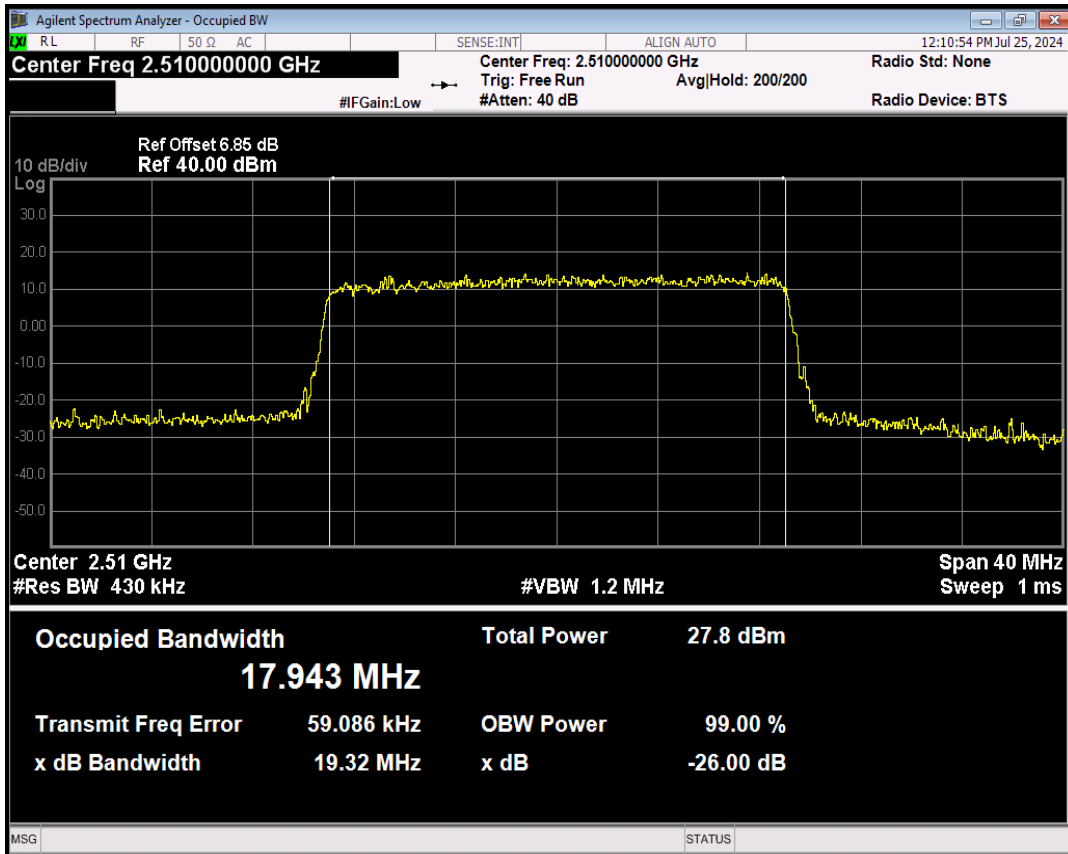


Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



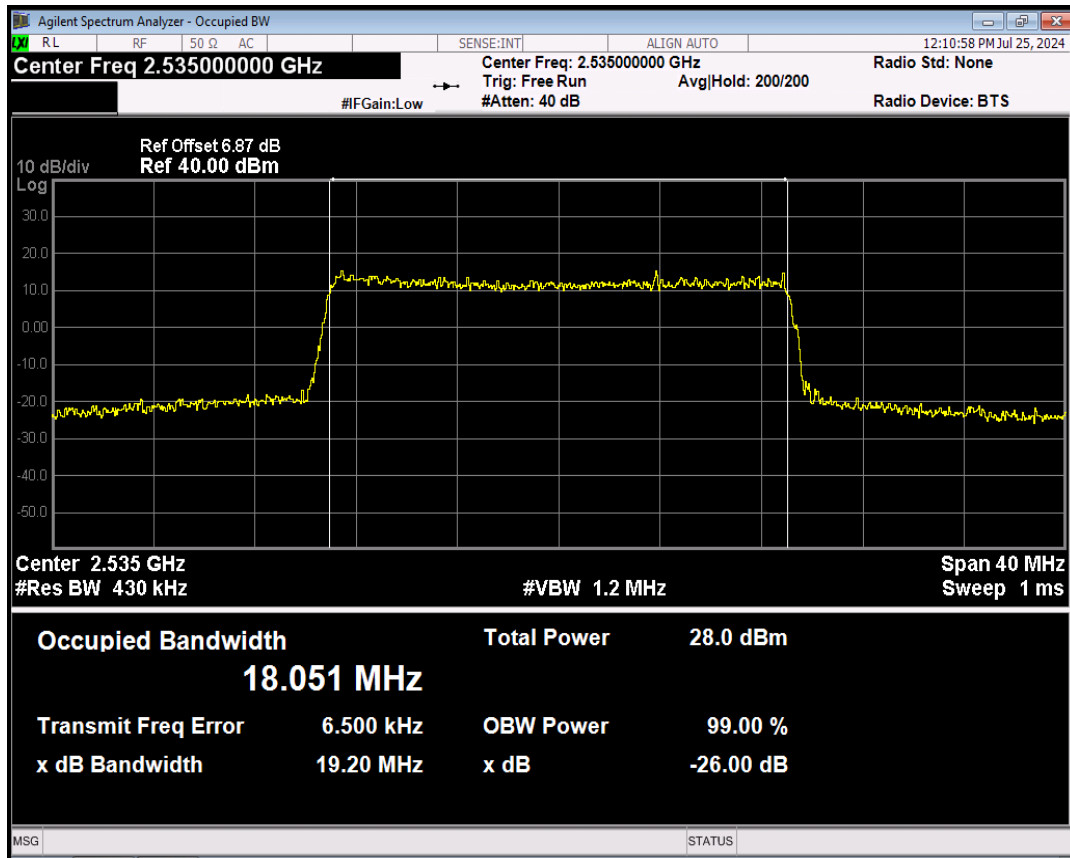


Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0

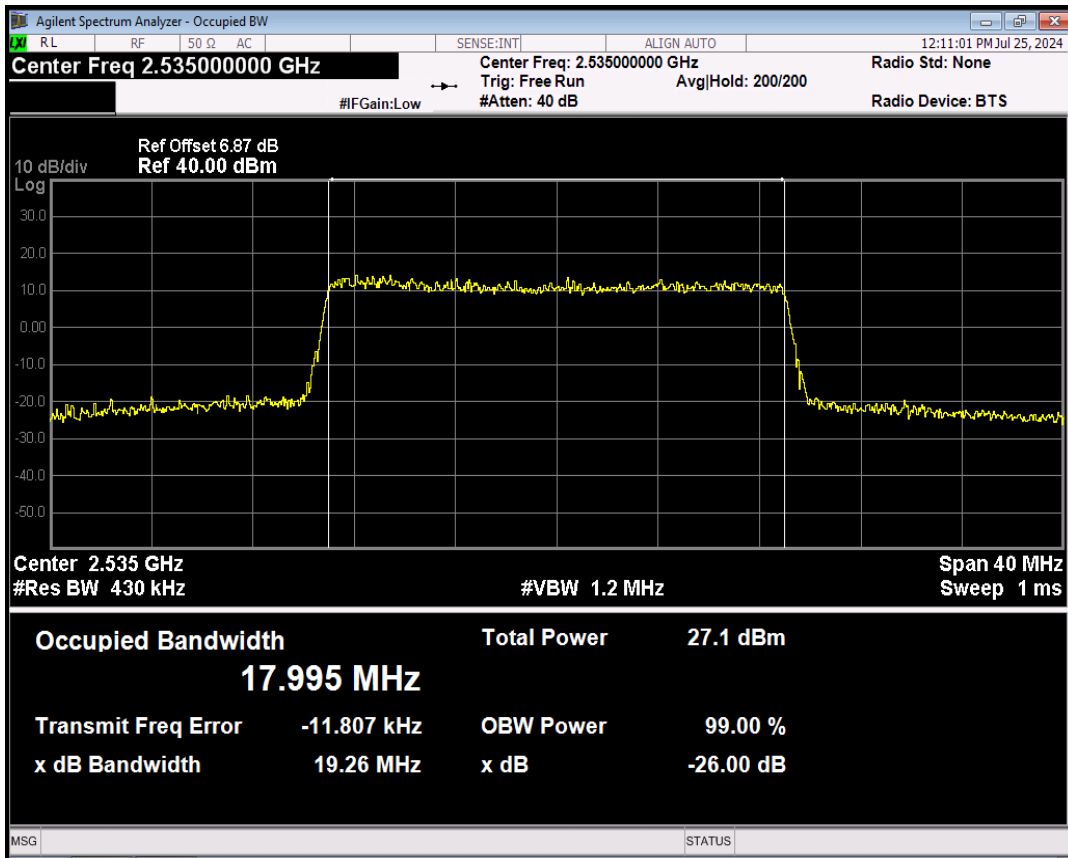




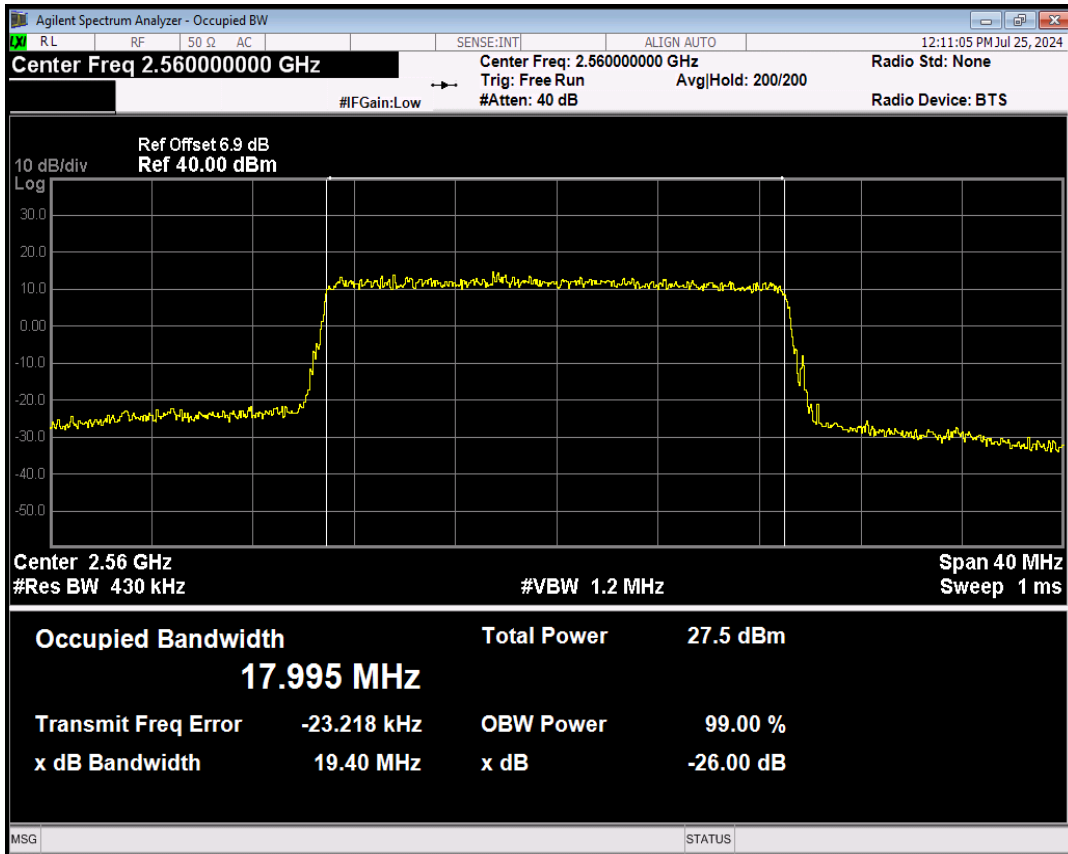
Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0



Band7 16QAM BW=20MHz Channel=21100 RB Size=100 Position=#0

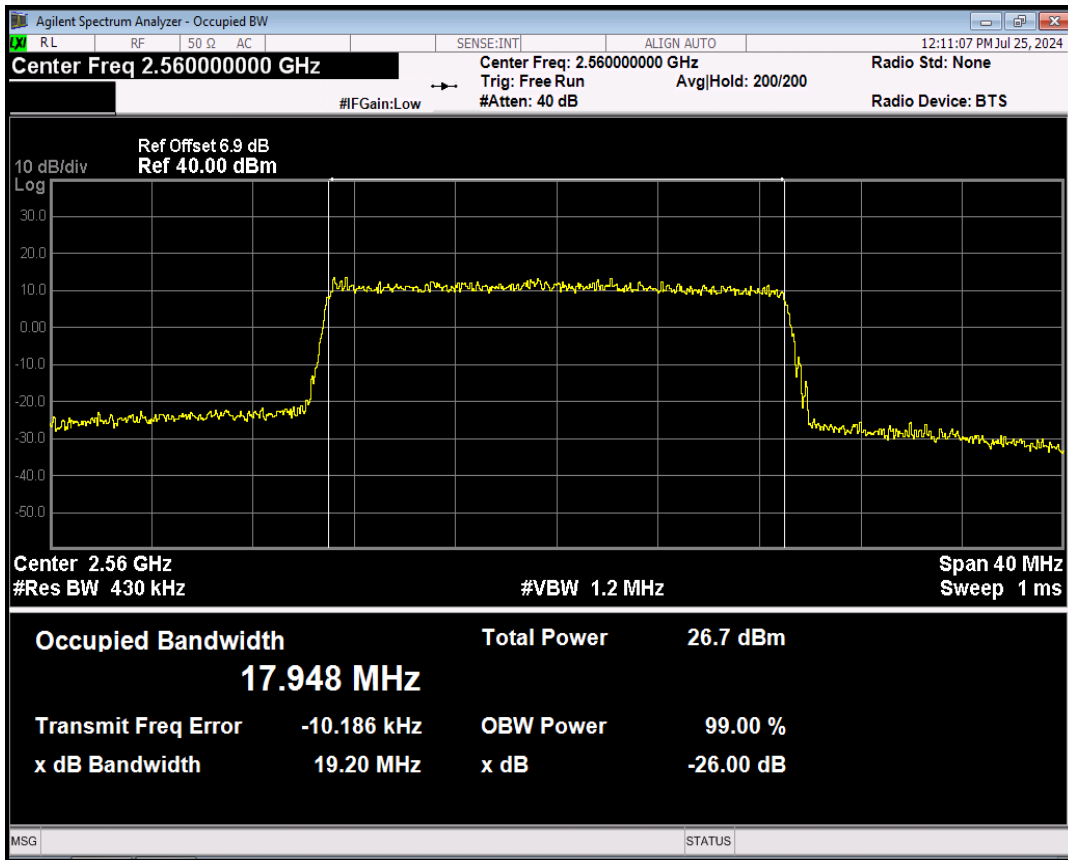


Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0





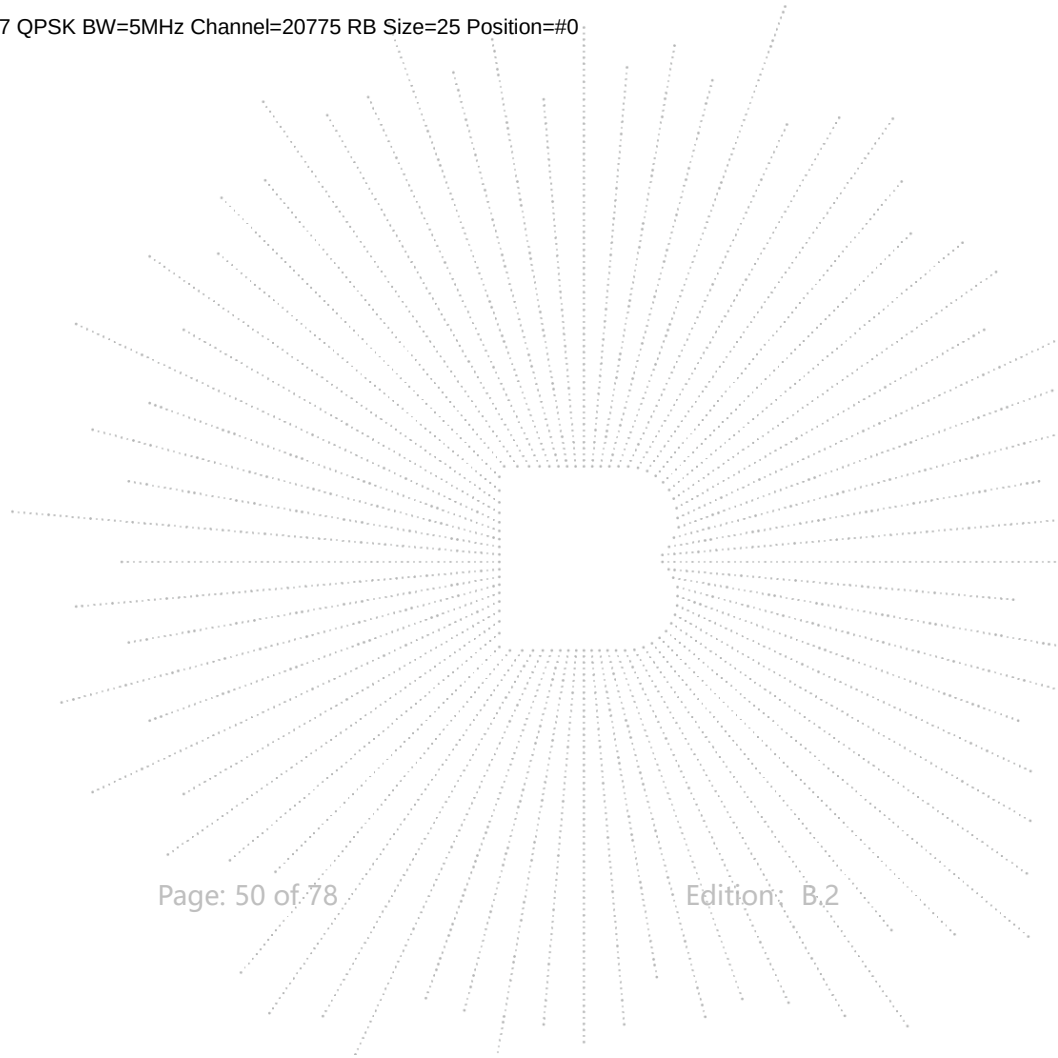
Band7 16QAM BW=20MHz Channel=21350 RB Size=100 Position=#0

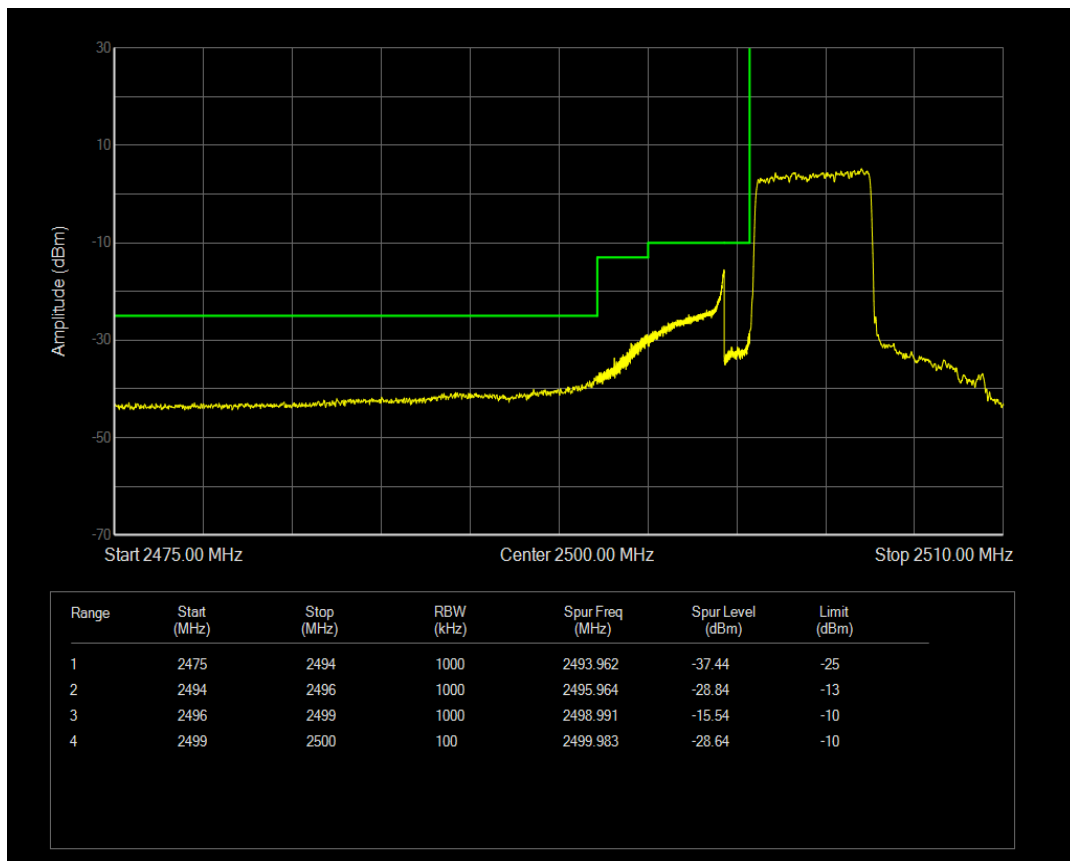


Appendix 5. Band edge

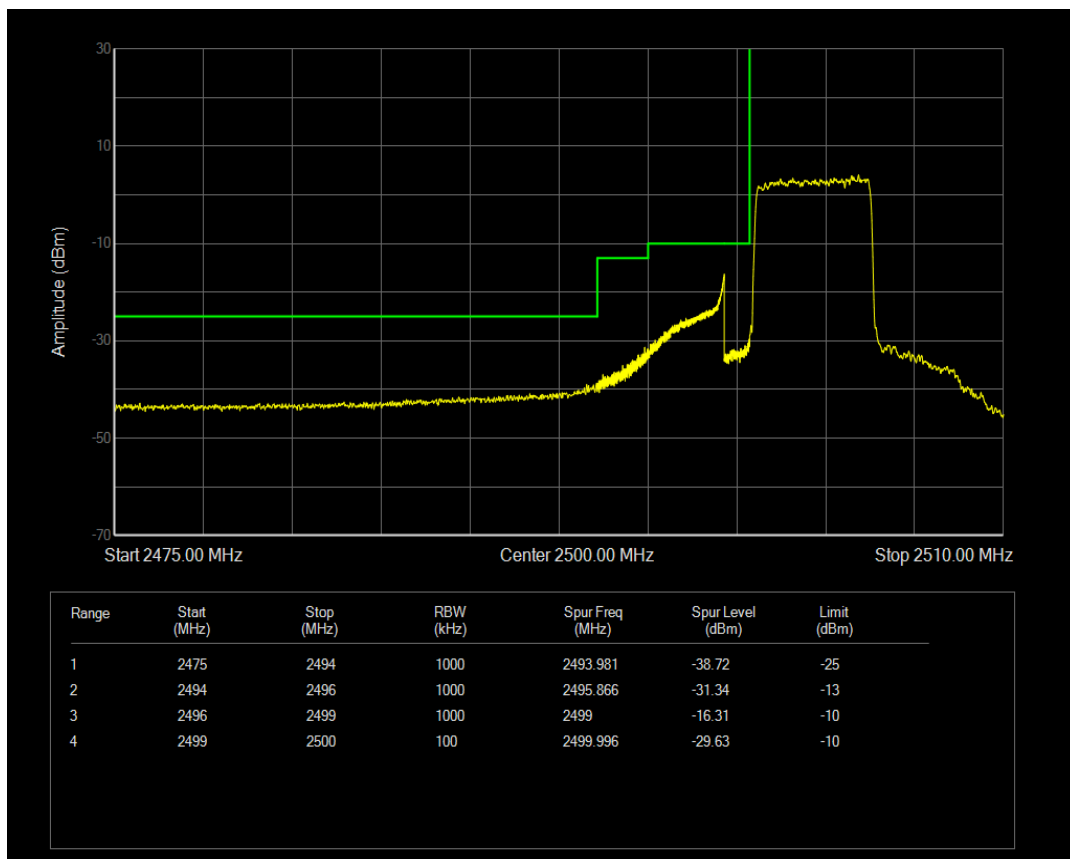
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band7	5	20775	25	#0	QPSK	2498.99	-15.54	-10	PASS
Band7	5	20775	25	#0	16QAM	2499.00	-16.31	-10	PASS
Band7	5	21425	25	#0	QPSK	2571.00	-15.44	-10	PASS
Band7	5	21425	25	#0	16QAM	2571.02	-16.71	-10	PASS
Band7	10	20800	50	#0	QPSK	2489.96	-37.70	-25	PASS
Band7	10	20800	50	#0	16QAM	2489.88	-38.18	-25	PASS
Band7	10	21400	50	#0	QPSK	2580.02	-38.49	-25	PASS
Band7	10	21400	50	#0	16QAM	2580.39	-39.67	-25	PASS
Band7	15	20825	75	#0	QPSK	2484.99	-39.16	-25	PASS
Band7	15	20825	75	#0	16QAM	2484.97	-39.52	-25	PASS
Band7	15	21375	75	#0	QPSK	2585.56	-39.97	-25	PASS
Band7	15	21375	75	#0	16QAM	2585.42	-40.40	-25	PASS
Band7	20	20850	100	#0	QPSK	2479.90	-41.09	-25	PASS
Band7	20	20850	100	#0	16QAM	2479.64	-41.38	-25	PASS
Band7	20	21350	100	#0	QPSK	2590.10	-41.02	-25	PASS
Band7	20	21350	100	#0	16QAM	2590.30	-40.96	-25	PASS

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

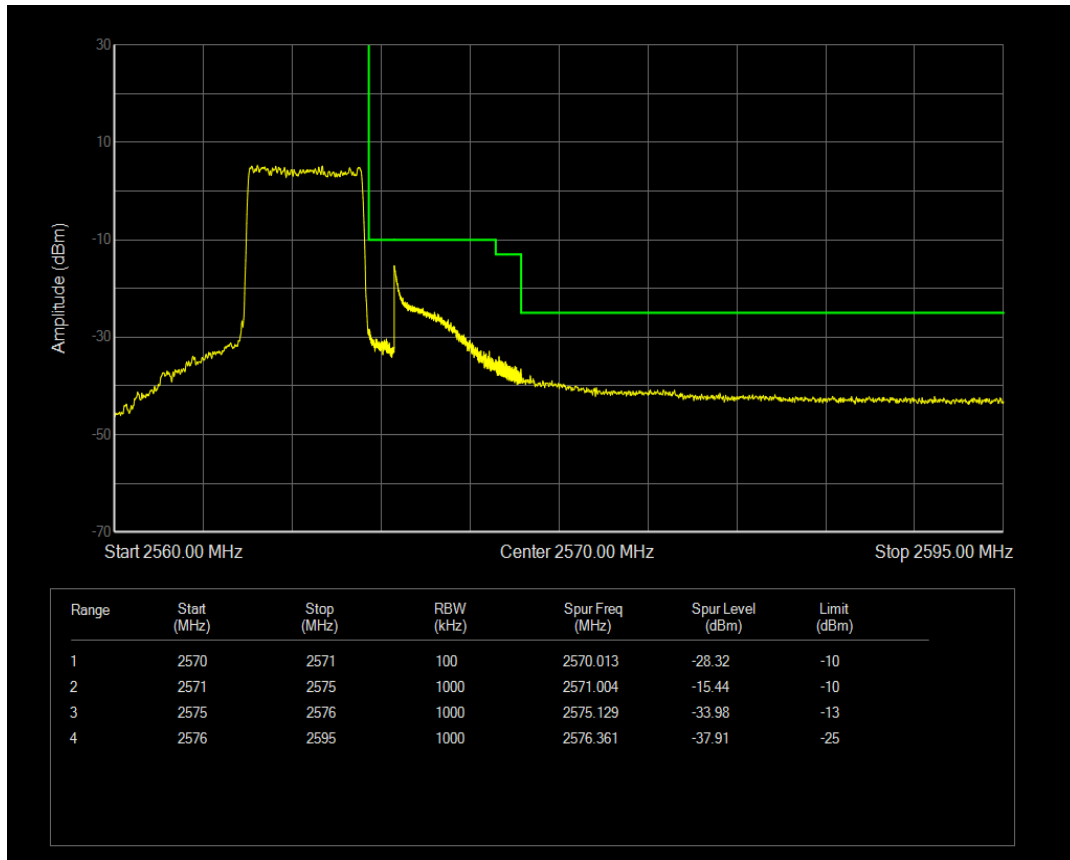




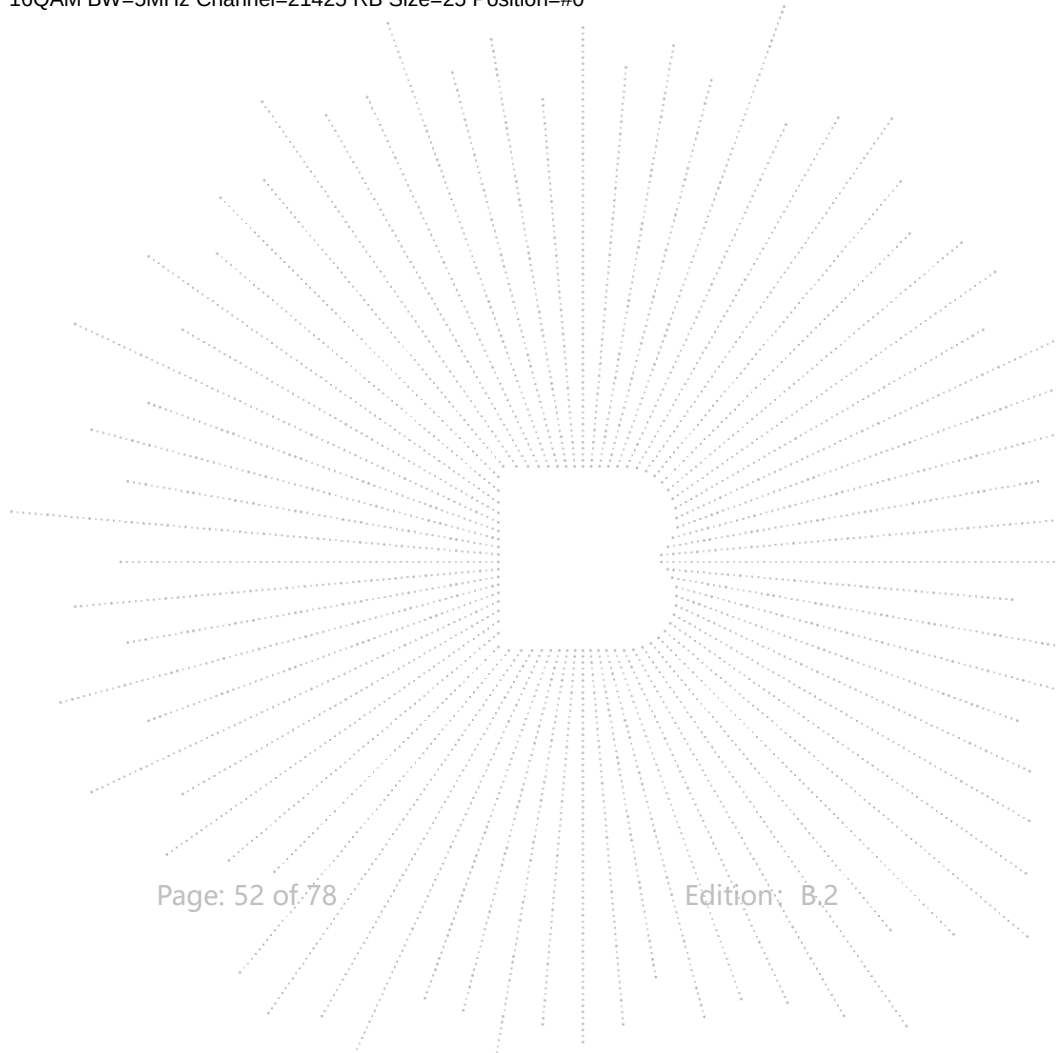
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0

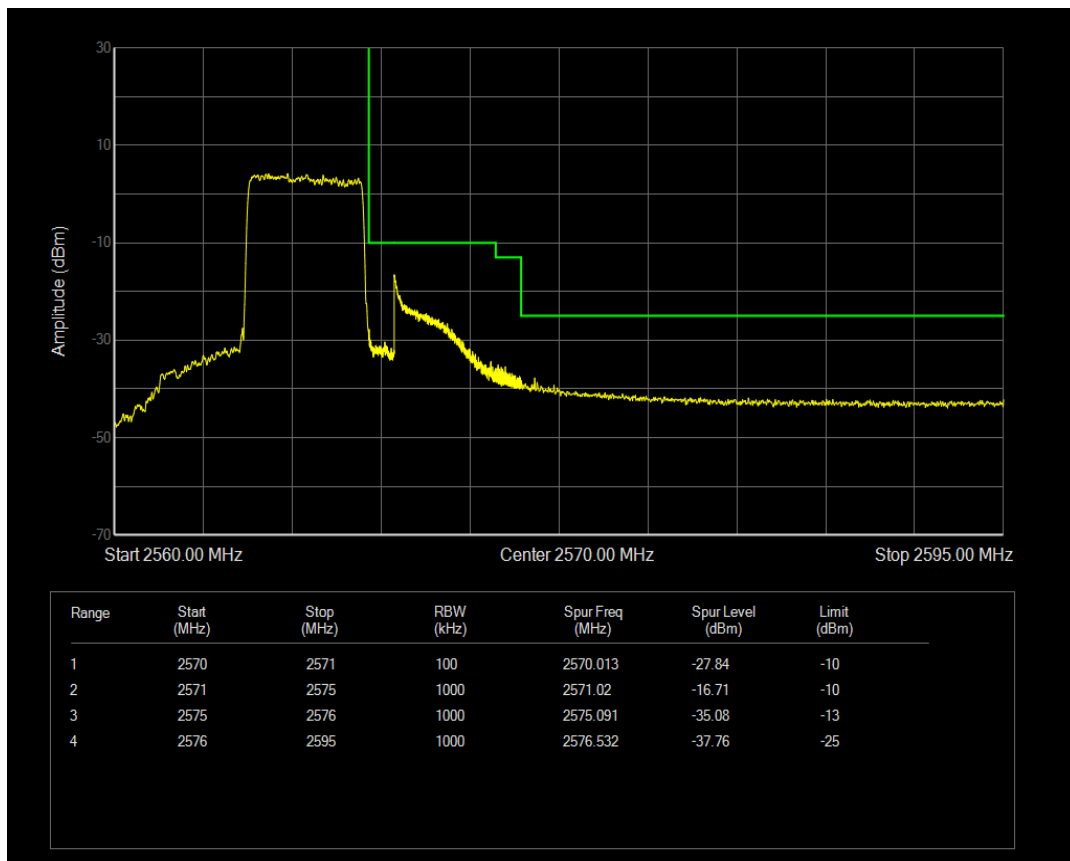


Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0

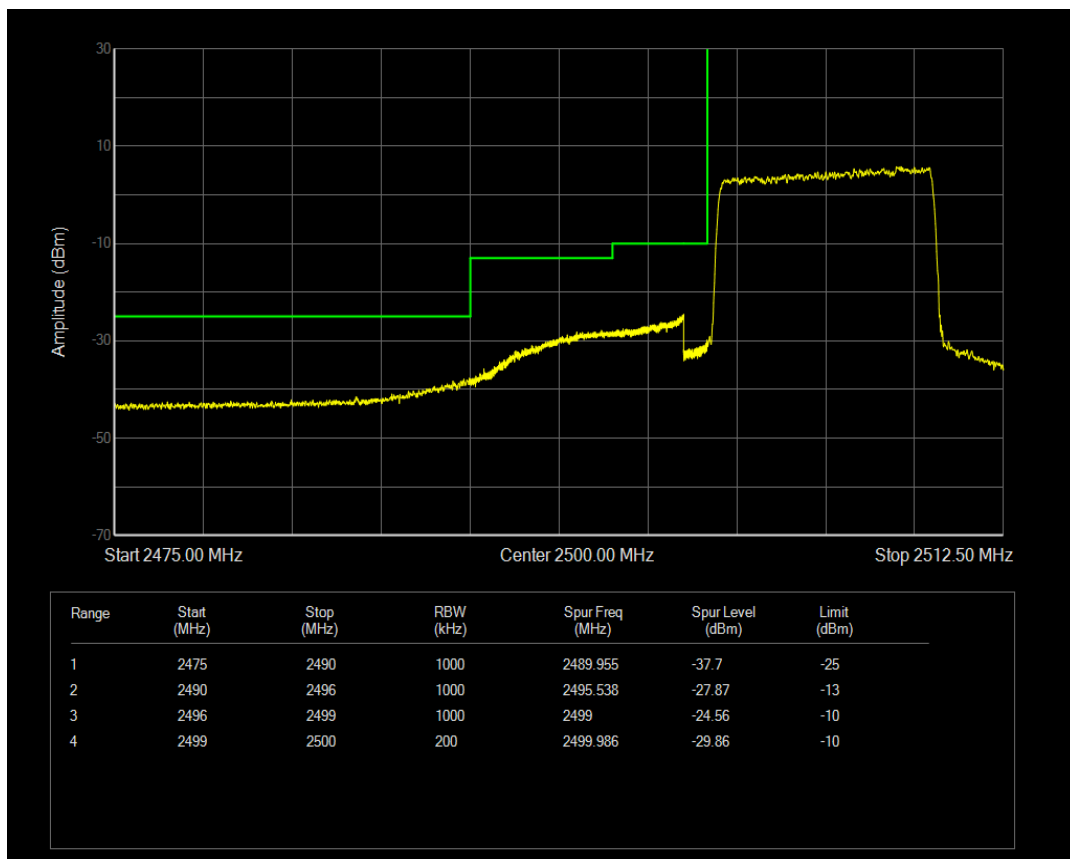


Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0

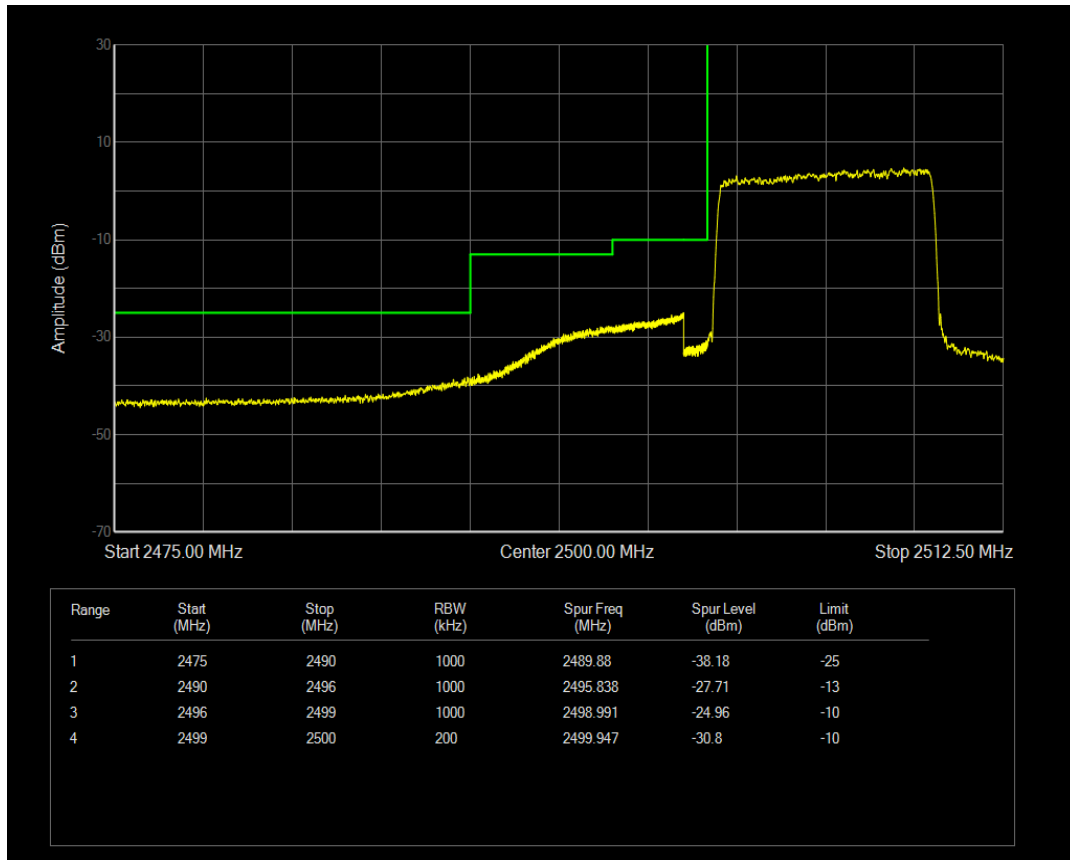




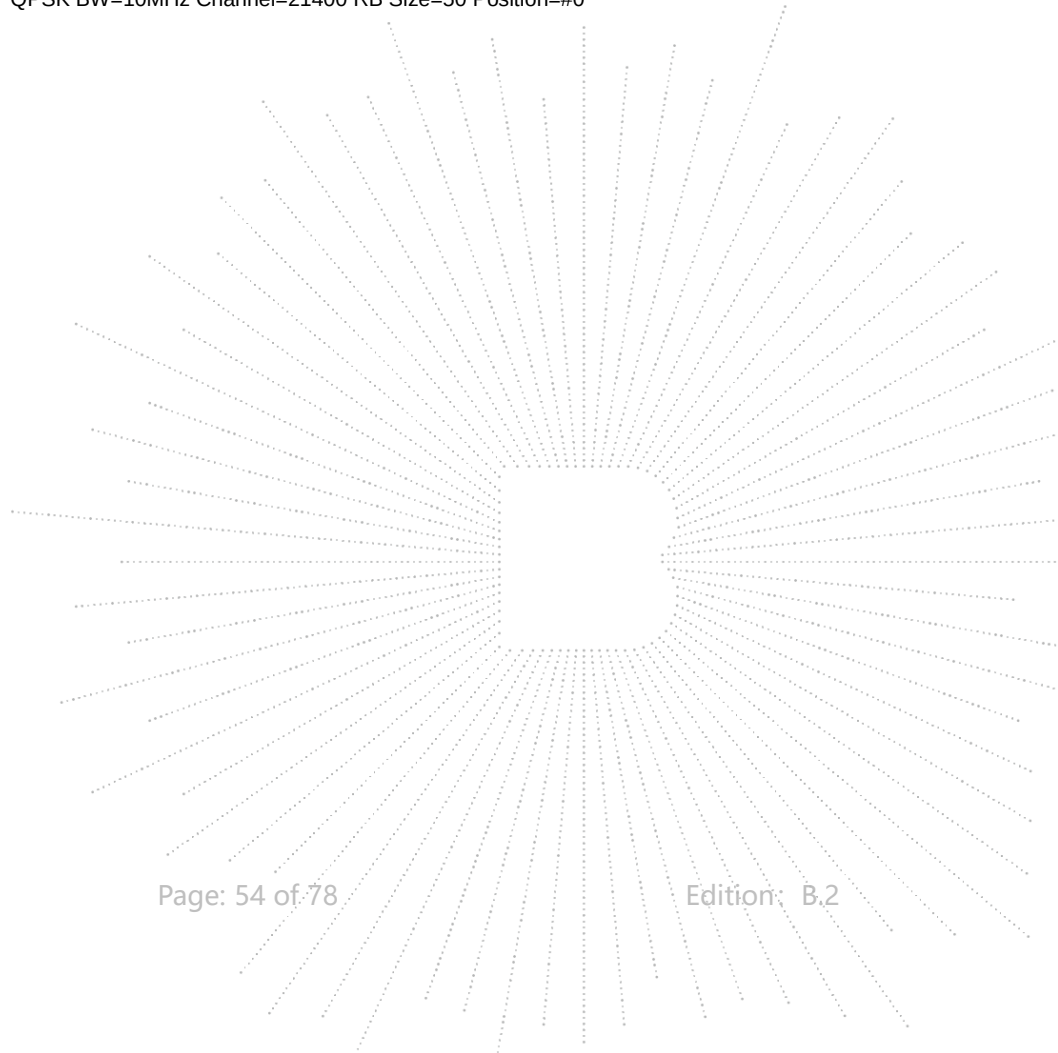
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0

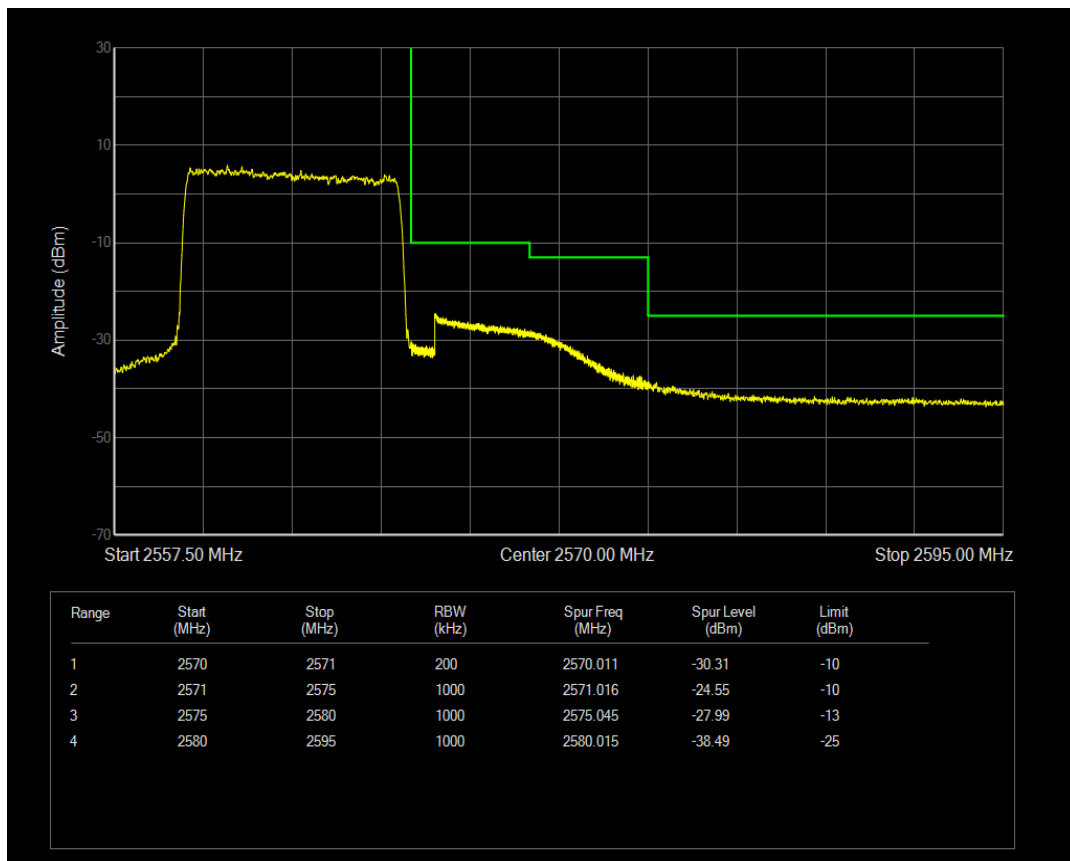


Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0

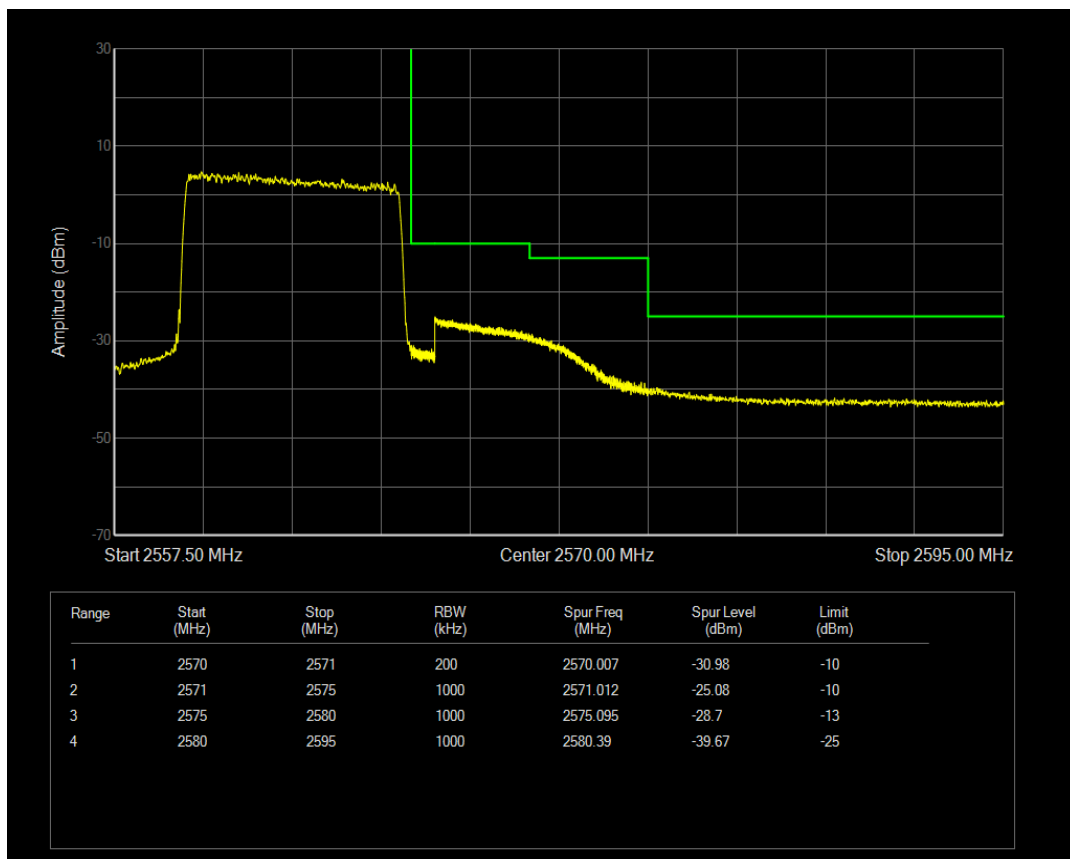


Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

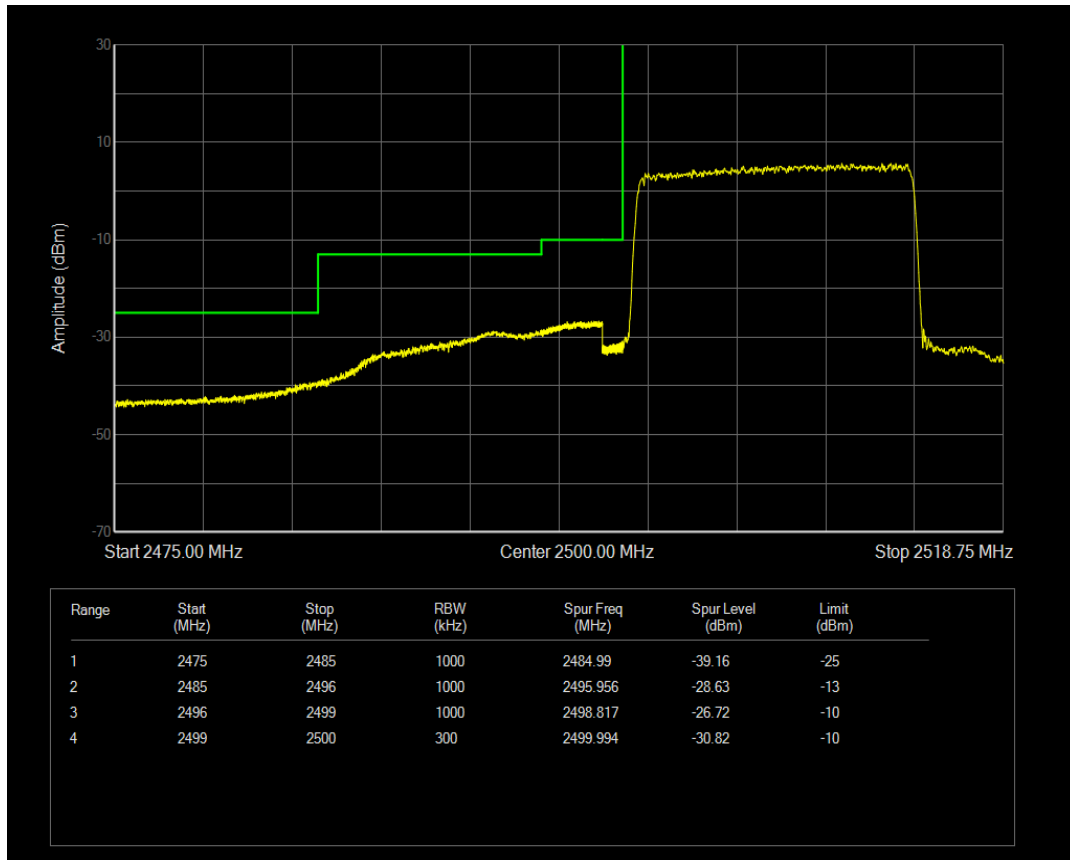




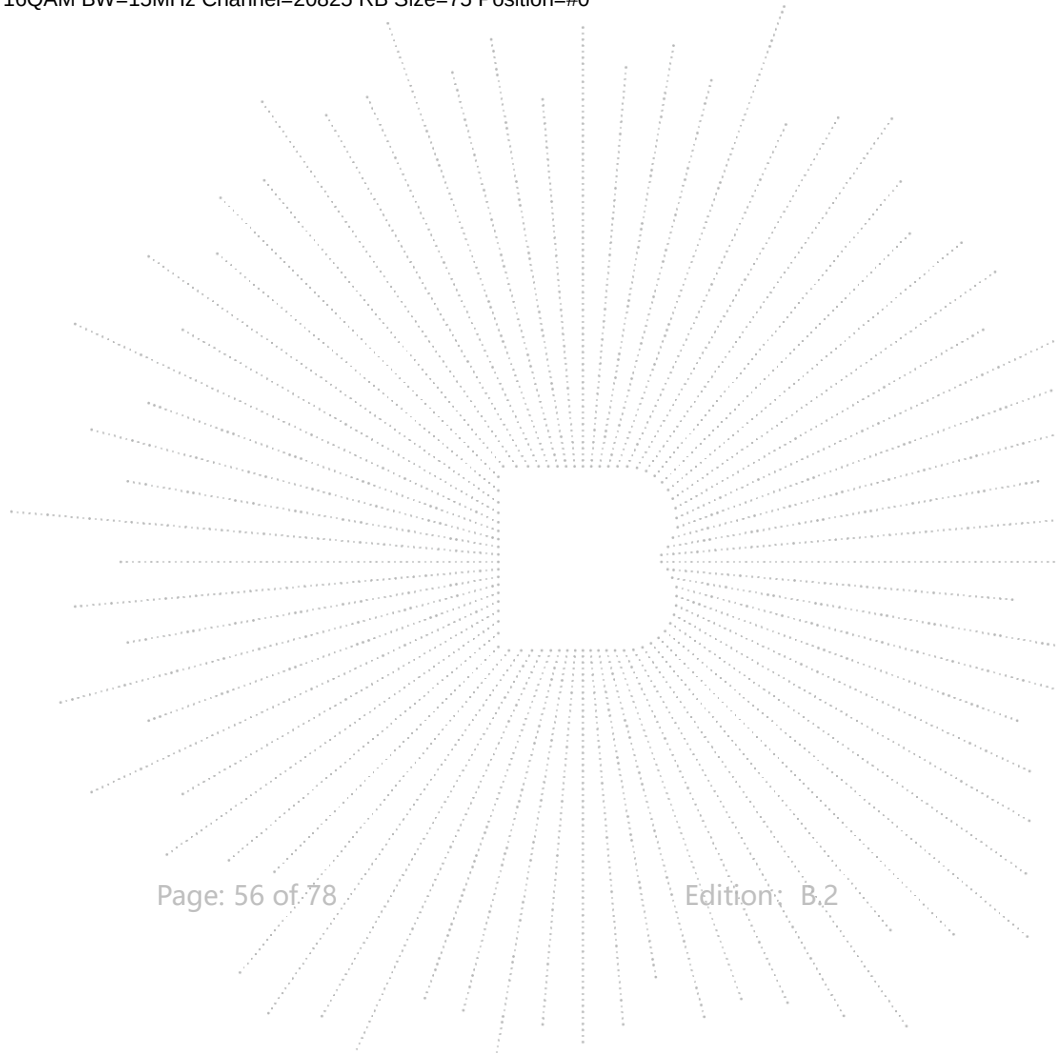
Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0

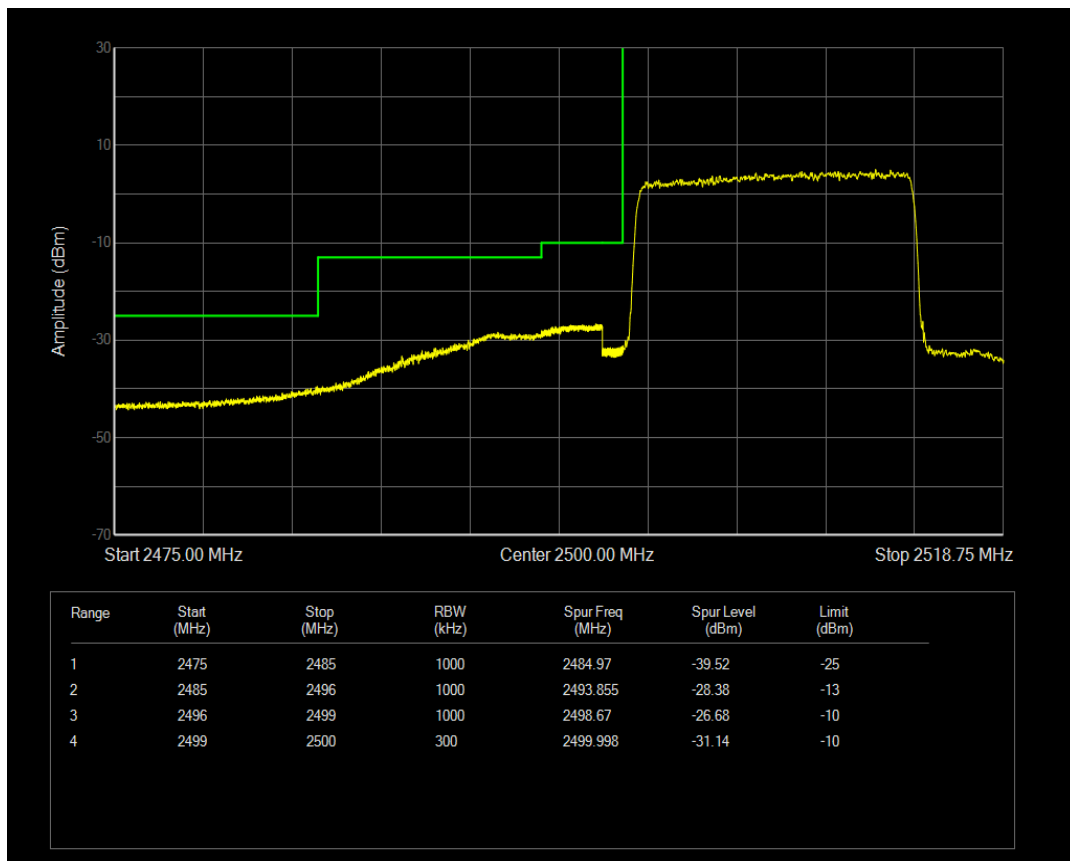


Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0

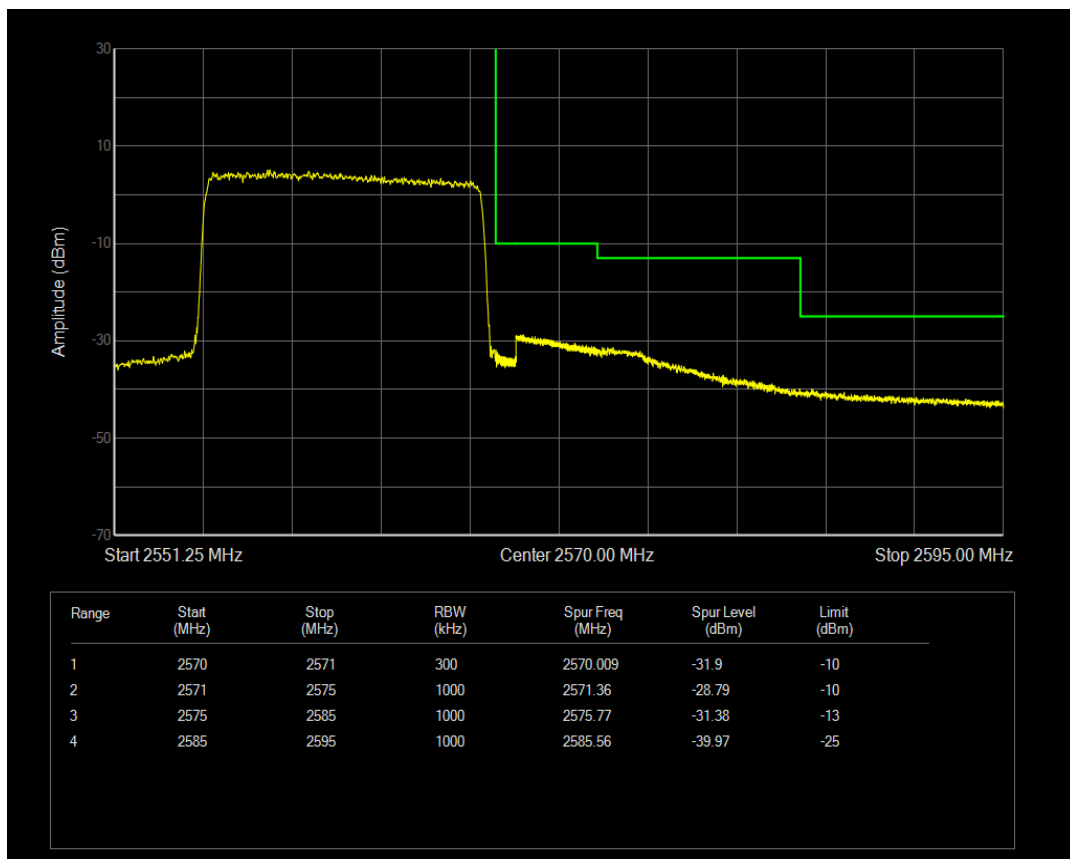


Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0

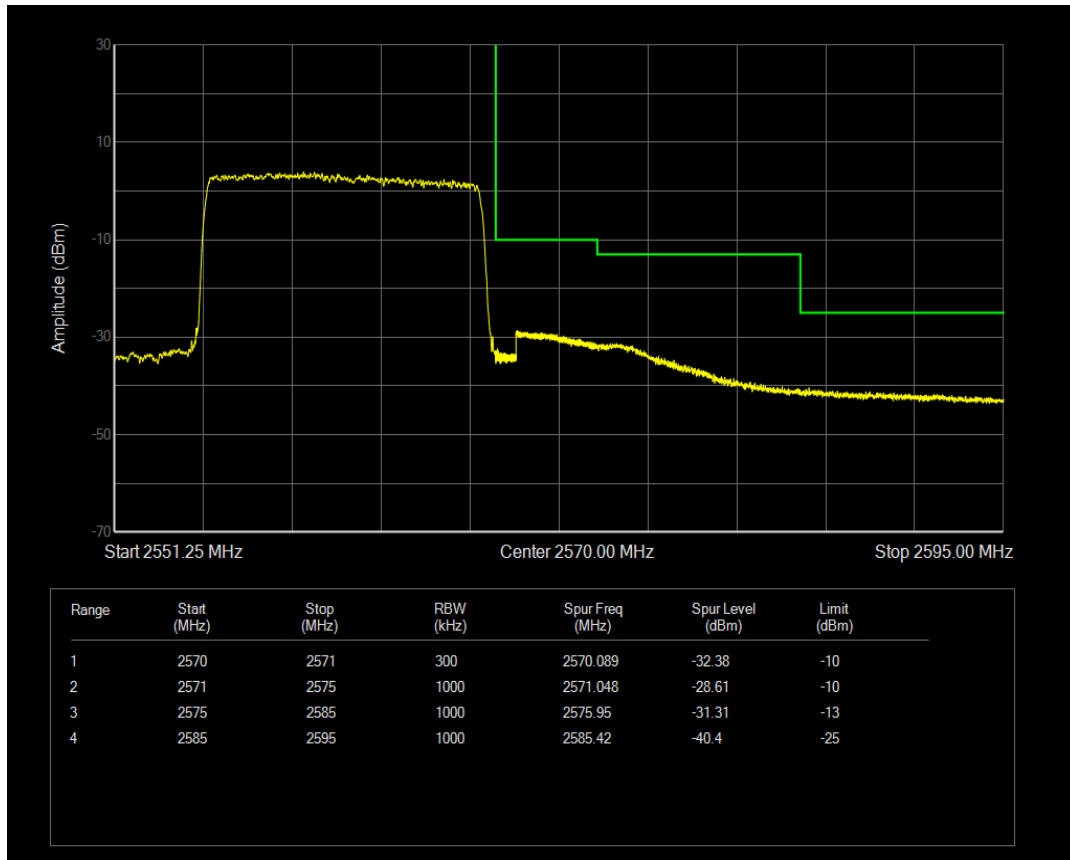




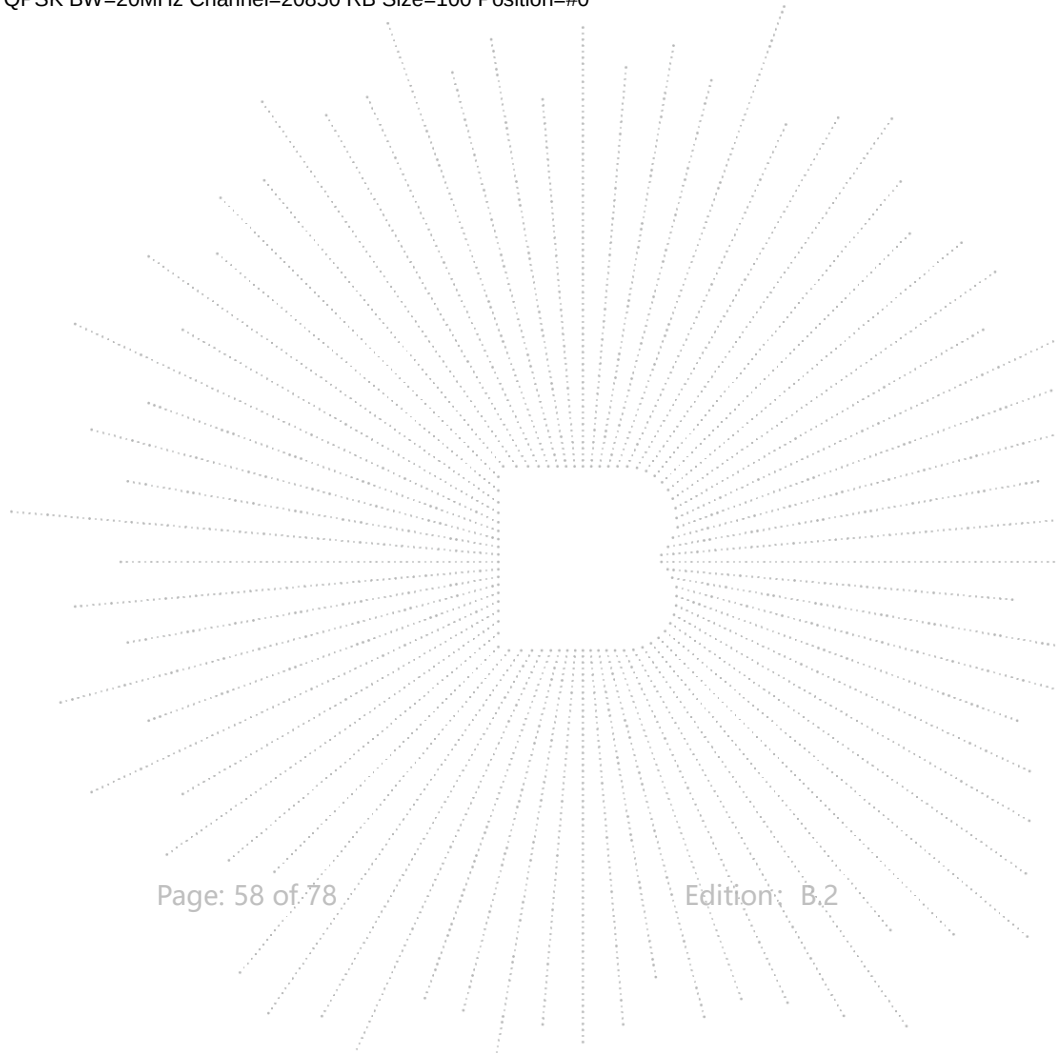
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0

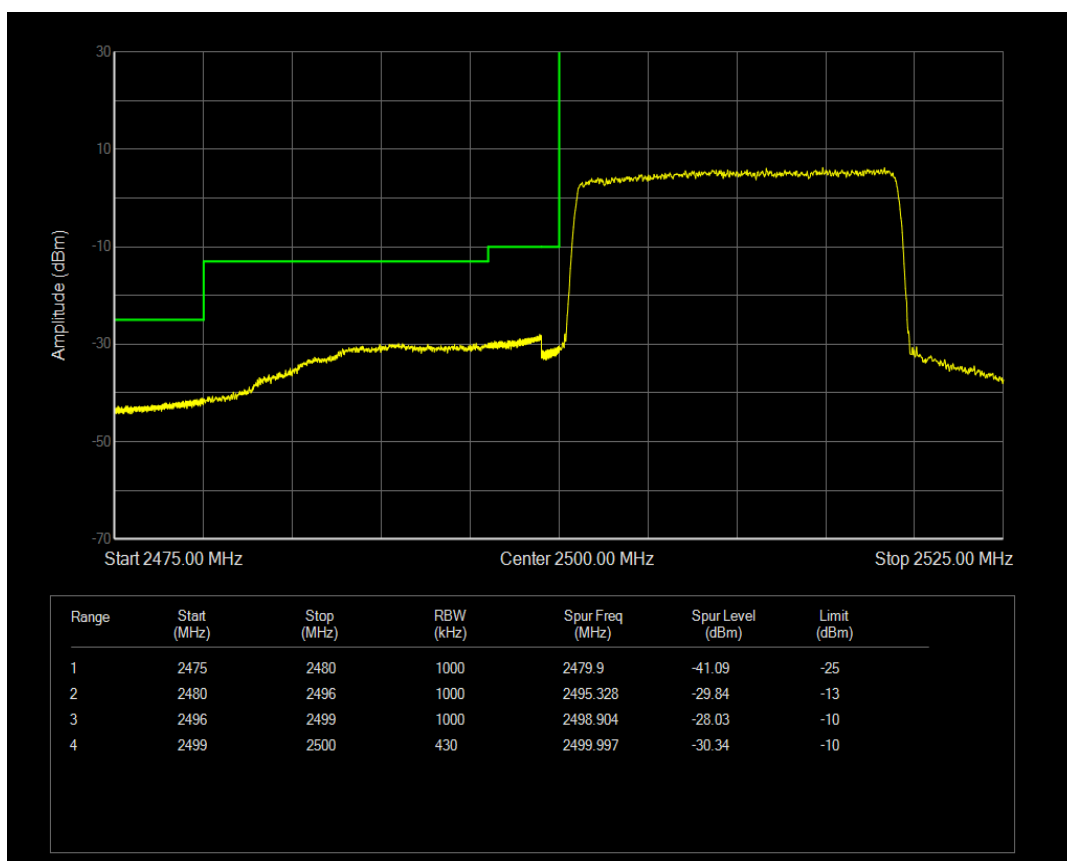


Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0

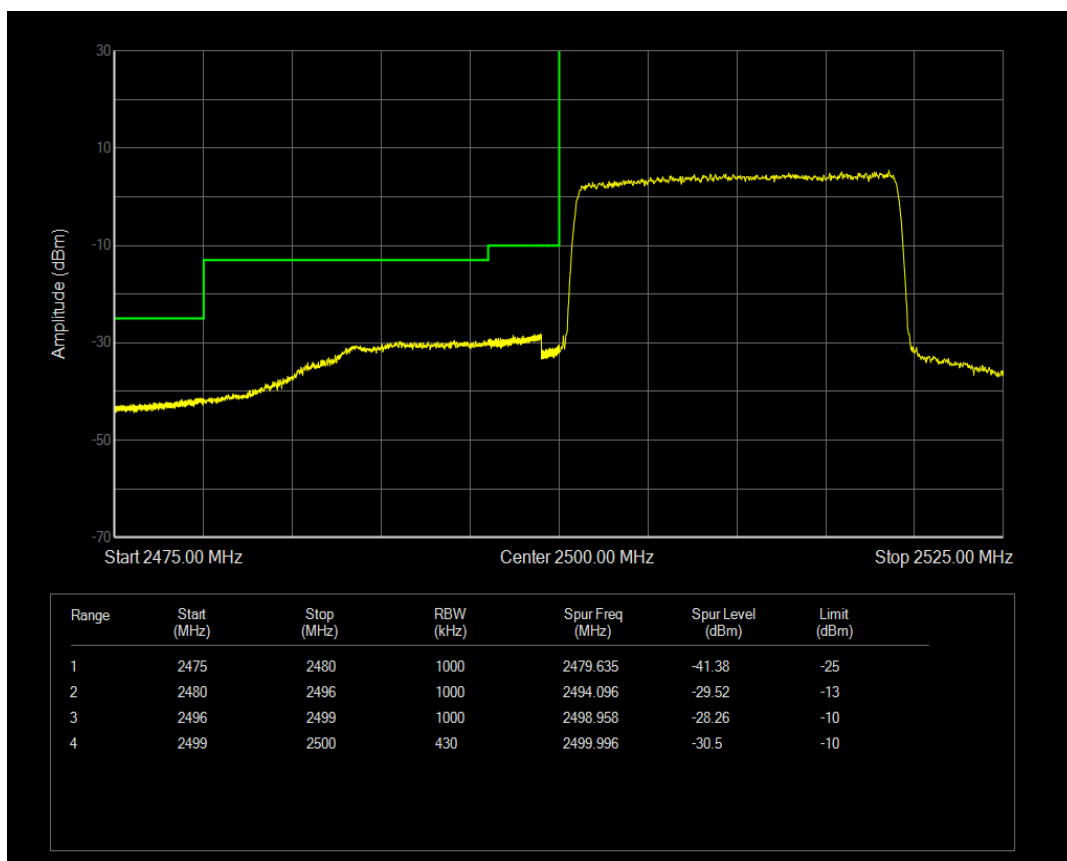


Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0

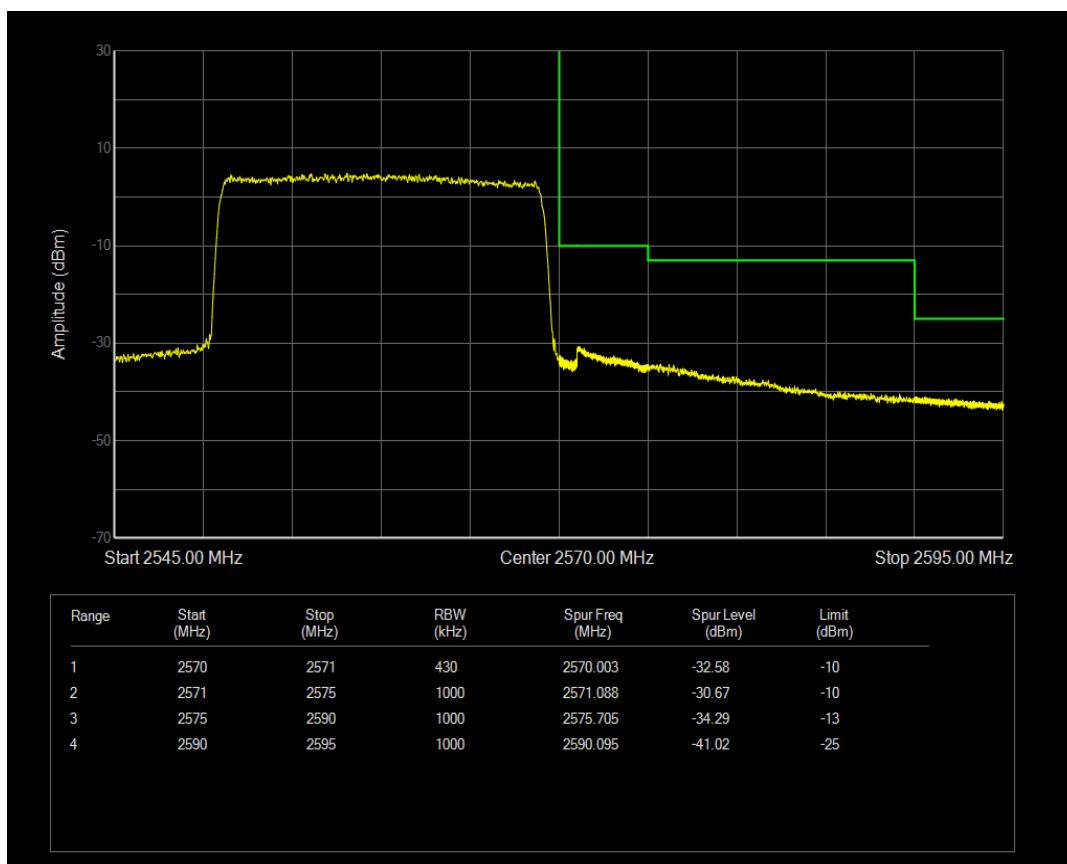




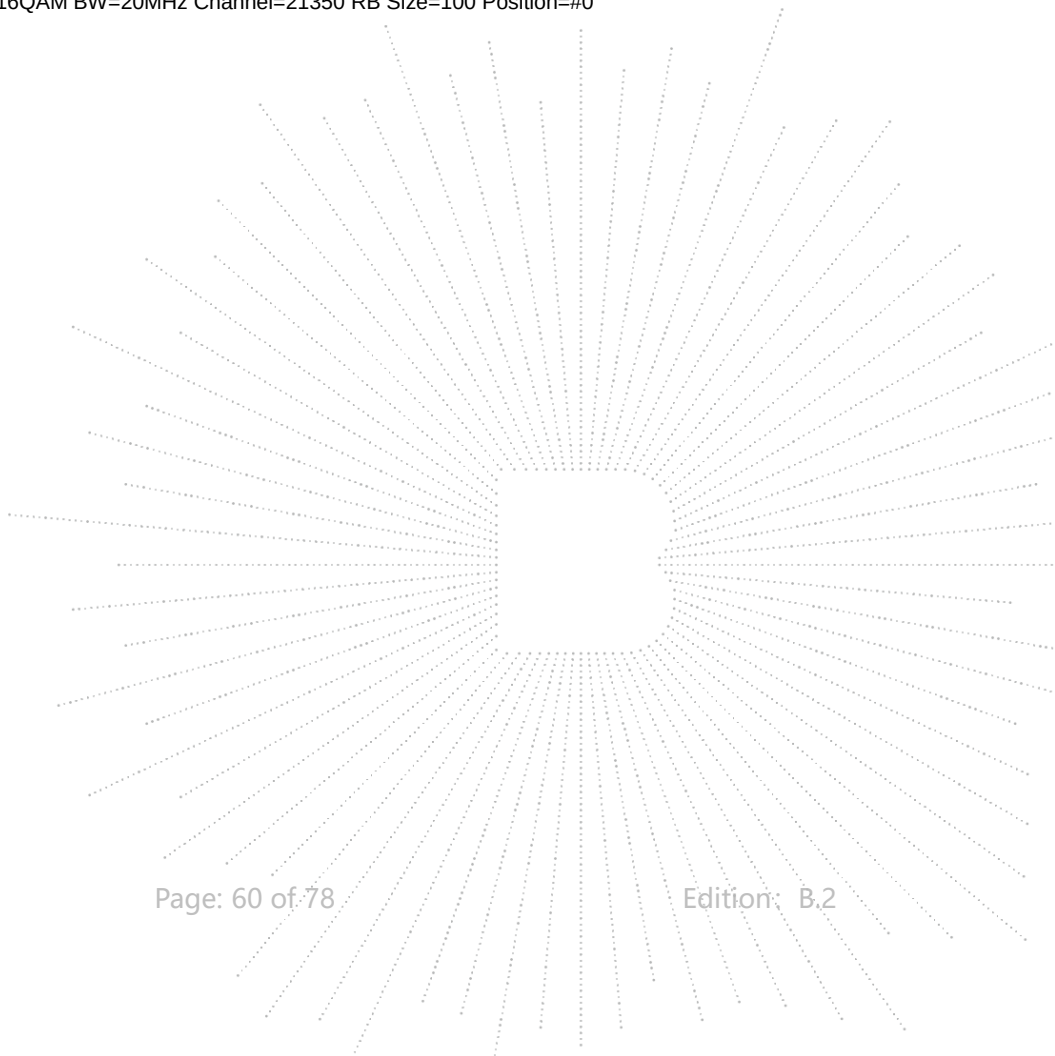
Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0

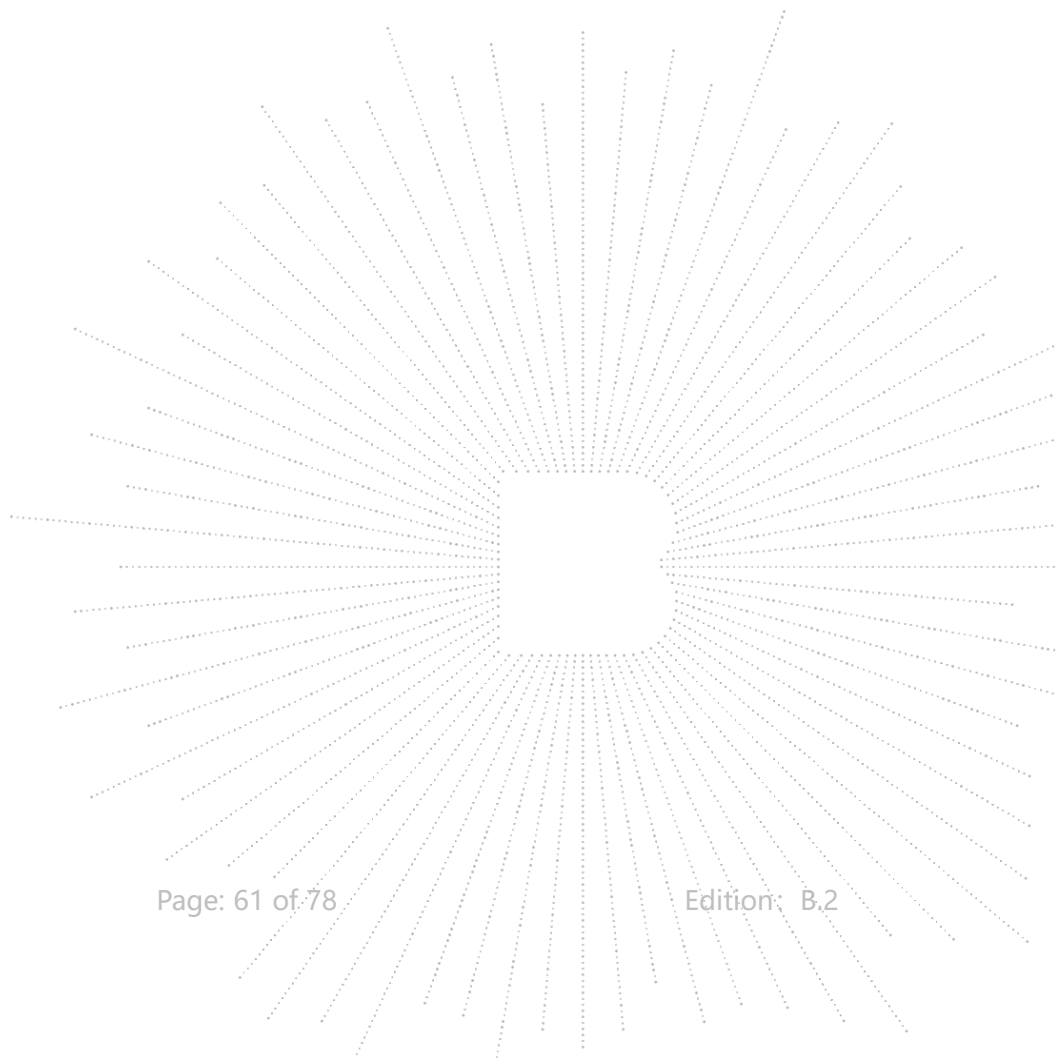
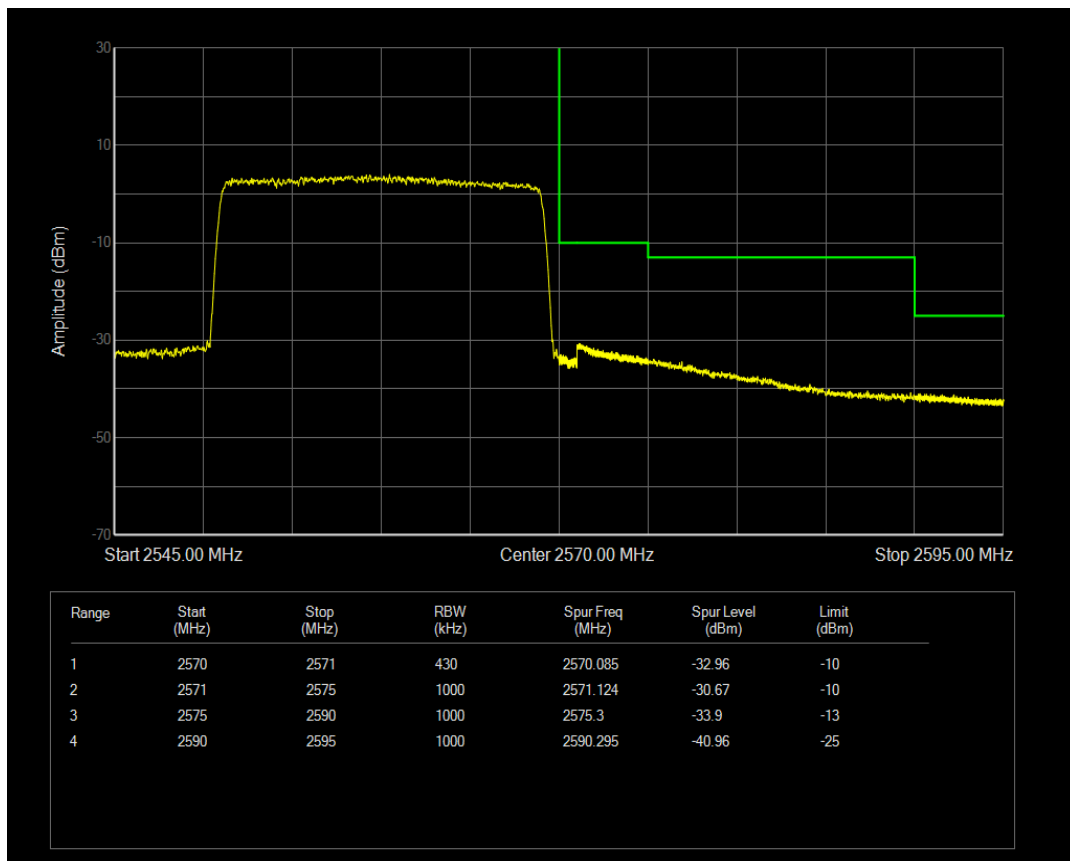


Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



Band7 16QAM BW=20MHz Channel=21350 RB Size=100 Position=#0

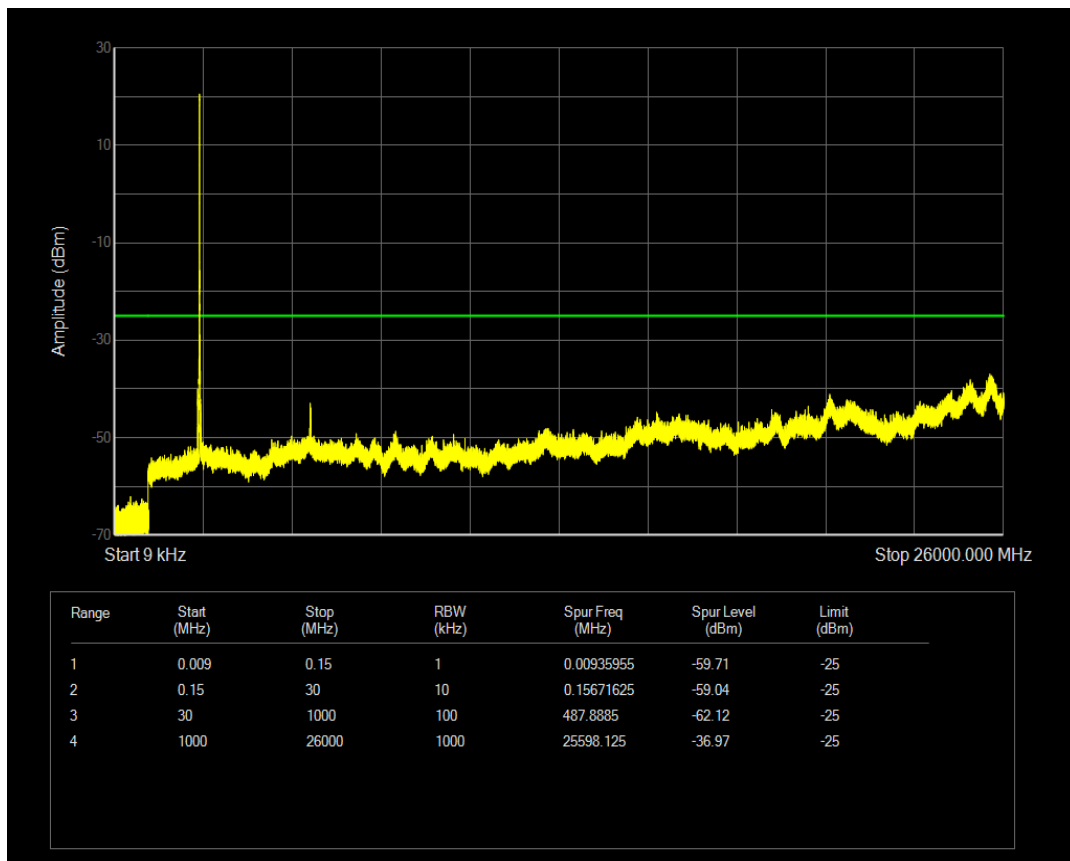




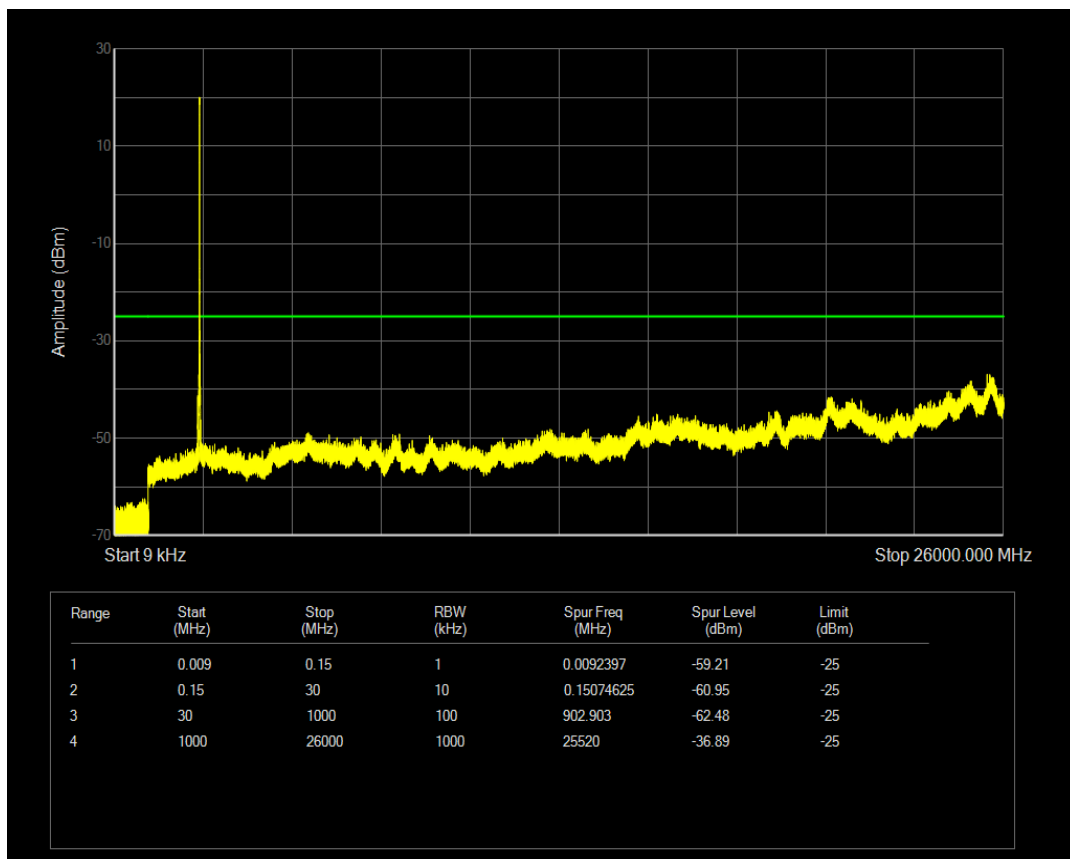
Appendix 6. Out-of-band emissions

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	25598.13	-36.97	-25	PASS
Band7	5	20775	25	#0	16QAM	25520.00	-36.89	-25	PASS
Band7	5	21100	25	#0	QPSK	25596.88	-36.97	-25	PASS
Band7	5	21100	25	#0	16QAM	25635.00	-36.58	-25	PASS
Band7	5	21425	25	#0	QPSK	25638.13	-36.64	-25	PASS
Band7	5	21425	25	#0	16QAM	25623.13	-36.78	-25	PASS
Band7	10	20800	50	#0	QPSK	25675.63	-35.77	-25	PASS
Band7	10	20800	50	#0	16QAM	25590.63	-36.66	-25	PASS
Band7	10	21100	50	#0	QPSK	25613.75	-36.52	-25	PASS
Band7	10	21100	50	#0	16QAM	25631.25	-36.77	-25	PASS
Band7	10	21400	50	#0	QPSK	25606.88	-36.73	-25	PASS
Band7	10	21400	50	#0	16QAM	25635.00	-36.75	-25	PASS
Band7	15	20825	75	#0	QPSK	25631.88	-35.99	-25	PASS
Band7	15	20825	75	#0	16QAM	25641.88	-37.23	-25	PASS
Band7	15	21100	75	#0	QPSK	25613.13	-36.91	-25	PASS
Band7	15	21100	75	#0	16QAM	25706.25	-36.93	-25	PASS
Band7	15	21375	75	#0	QPSK	25620.63	-36.64	-25	PASS
Band7	15	21375	75	#0	16QAM	25614.38	-36.70	-25	PASS
Band7	20	20850	100	#0	QPSK	25614.38	-36.32	-25	PASS
Band7	20	20850	100	#0	16QAM	25600.63	-35.63	-25	PASS
Band7	20	21100	100	#0	QPSK	25625.00	-37.60	-25	PASS
Band7	20	21100	100	#0	16QAM	25606.88	-36.89	-25	PASS
Band7	20	21350	100	#0	QPSK	25663.13	-36.68	-25	PASS
Band7	20	21350	100	#0	16QAM	25595.00	-37.26	-25	PASS

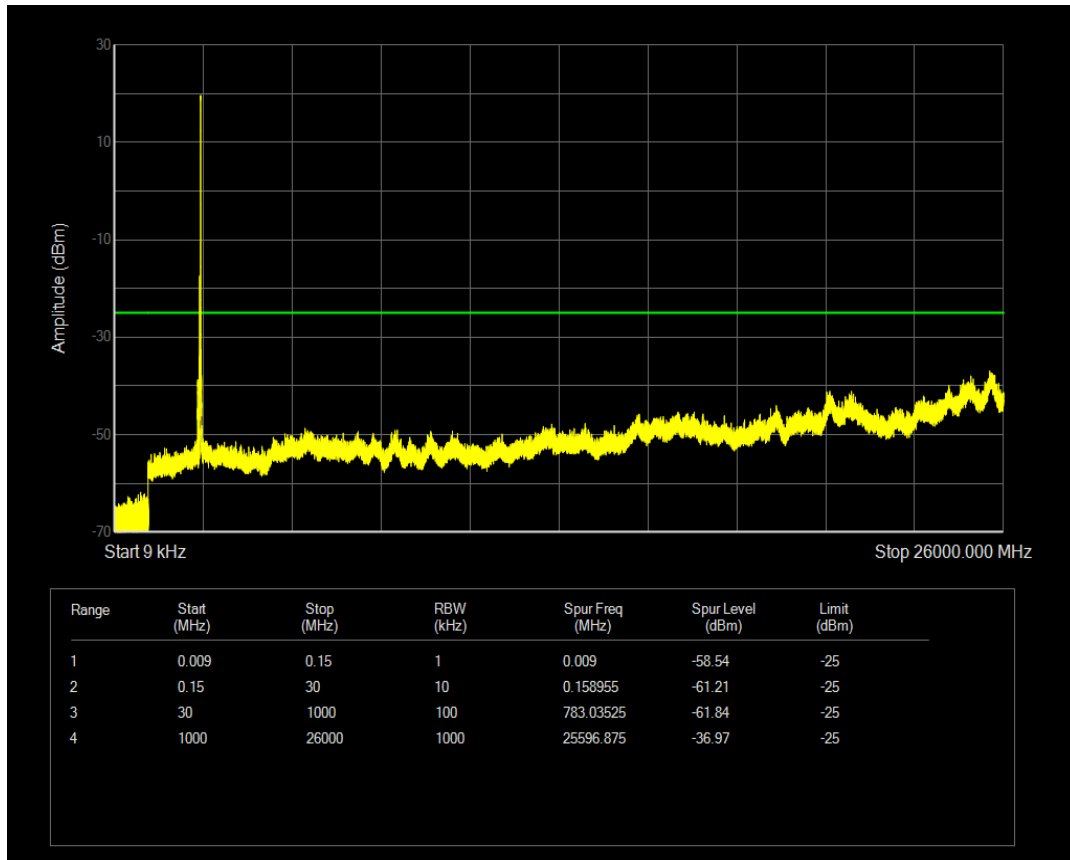
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



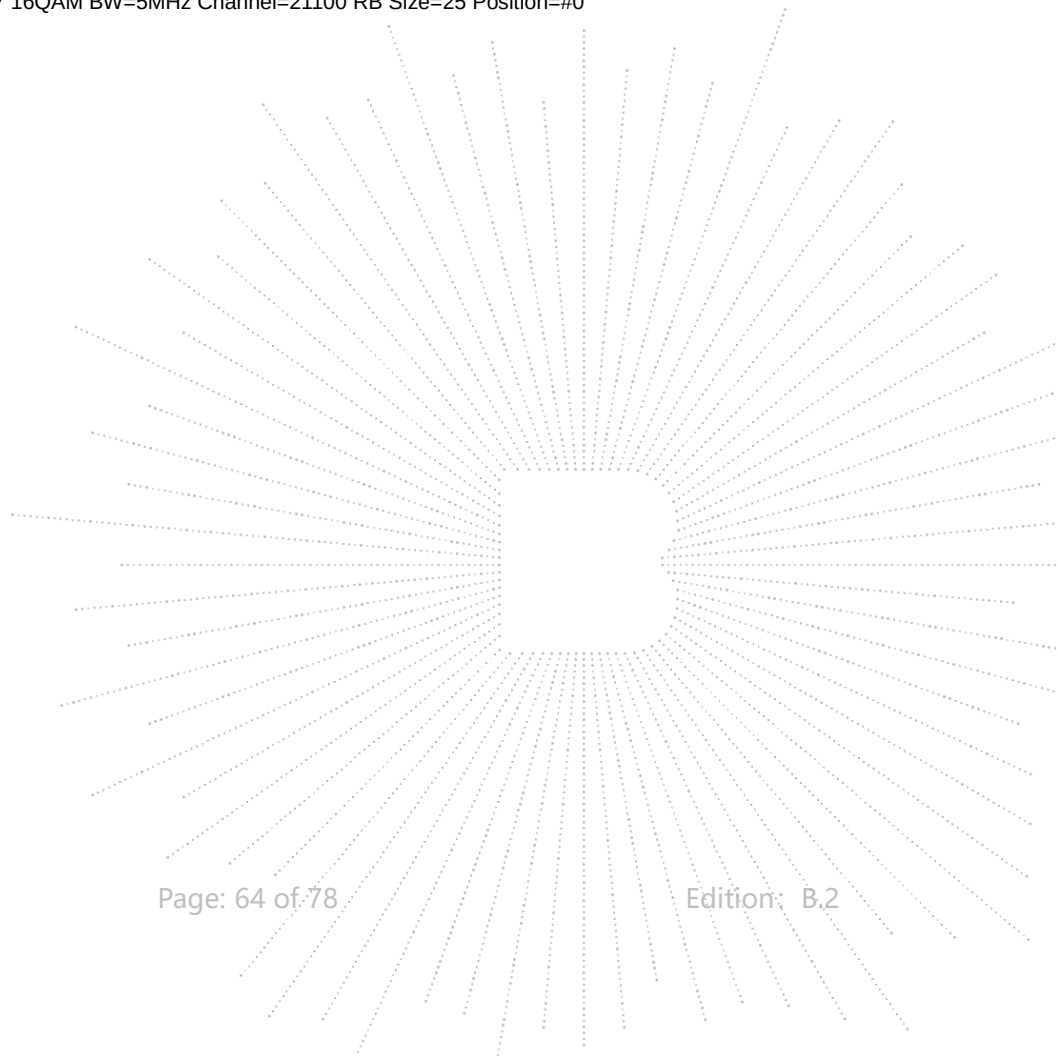
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0

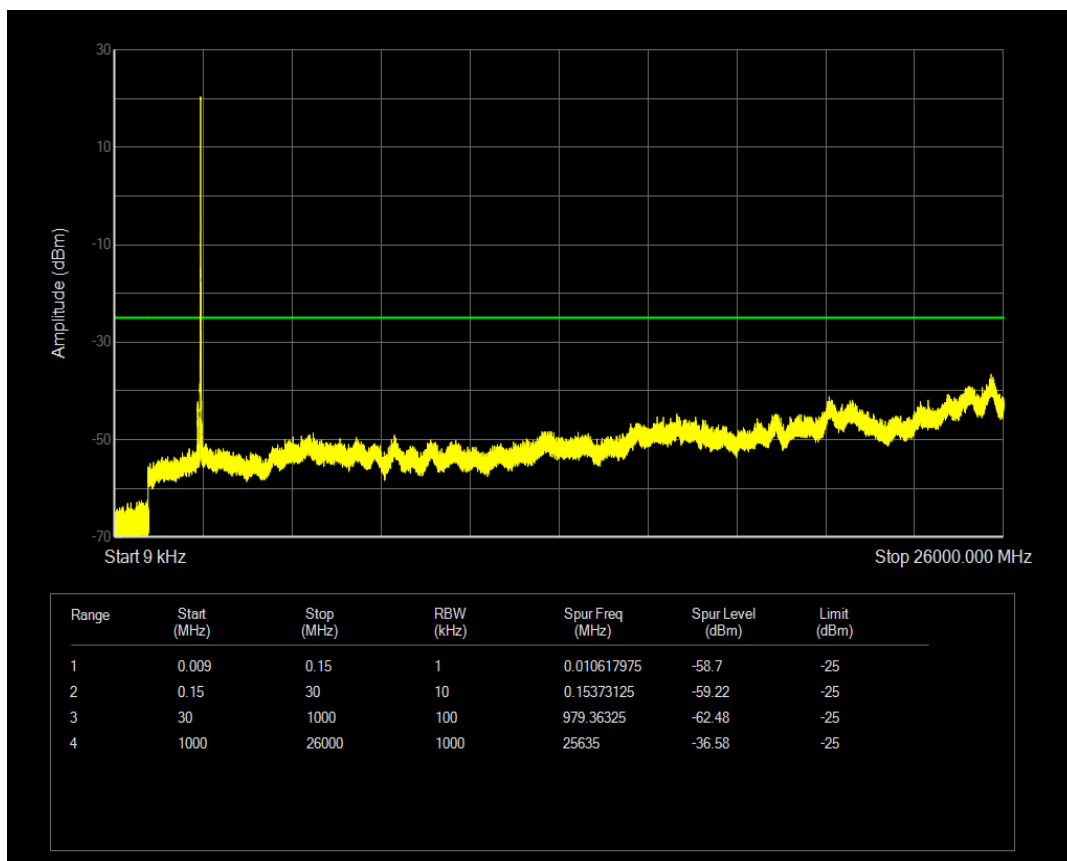


Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0

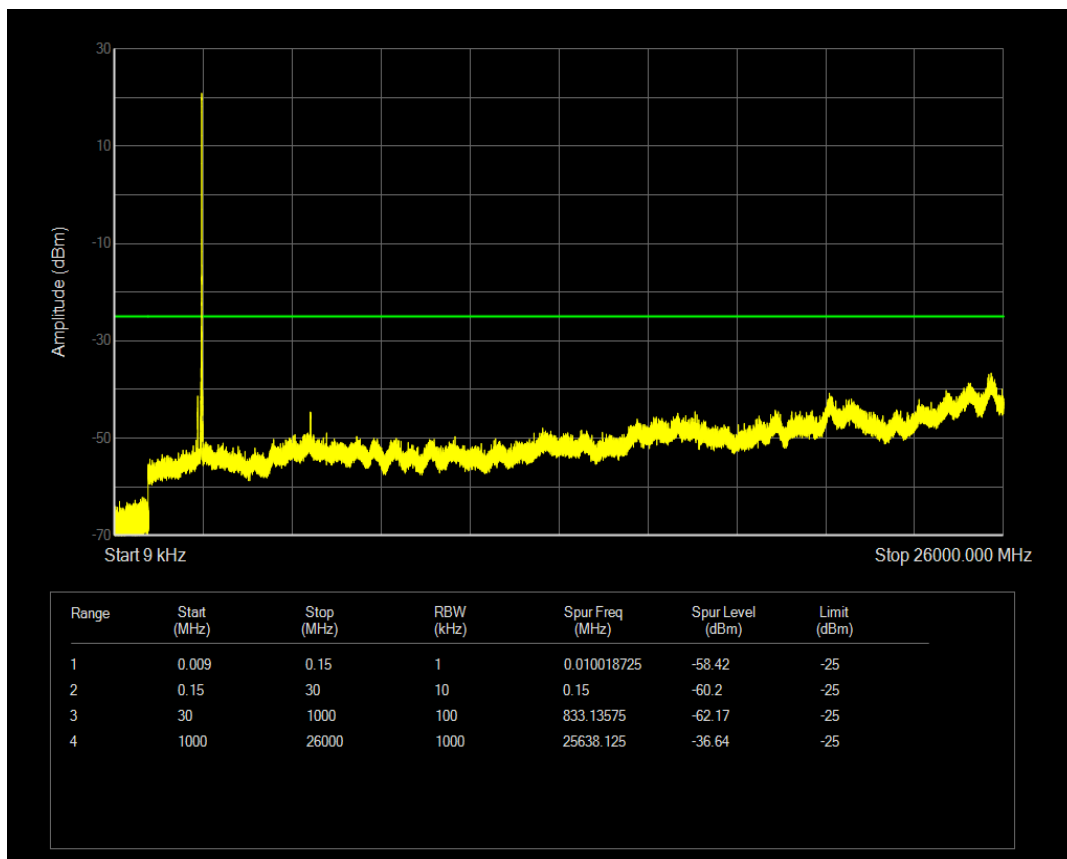


Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0

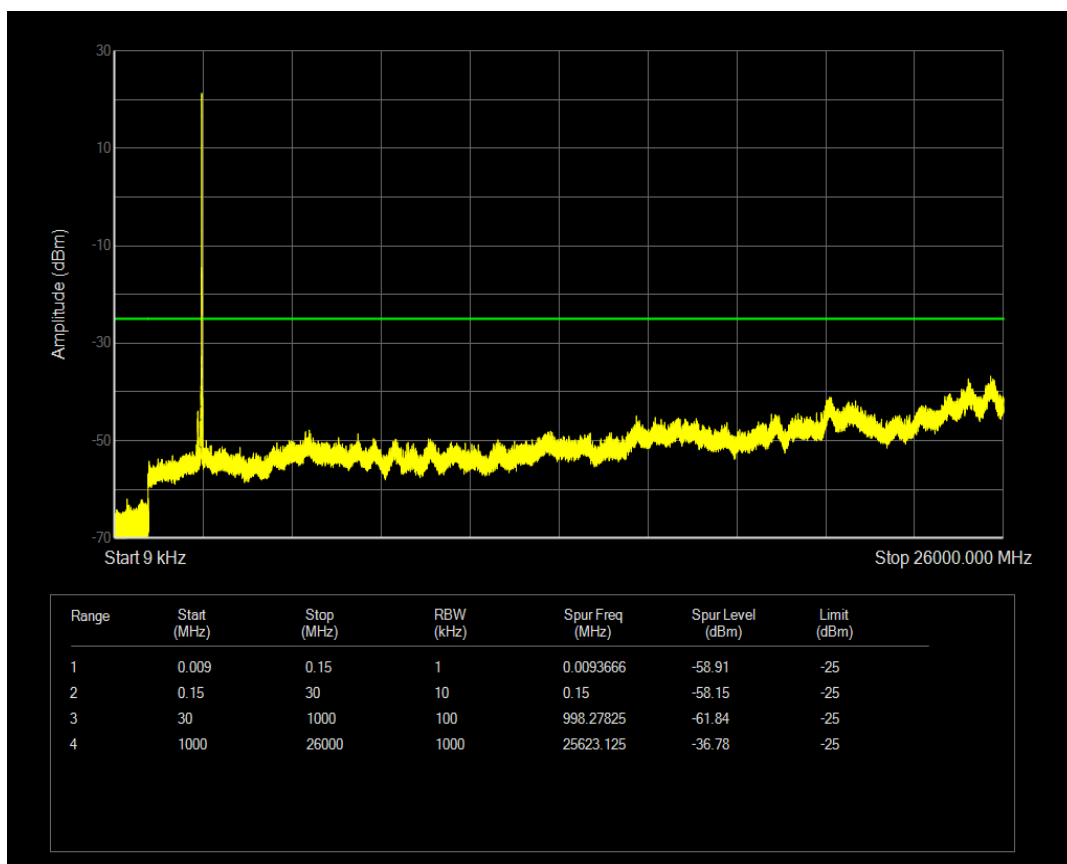




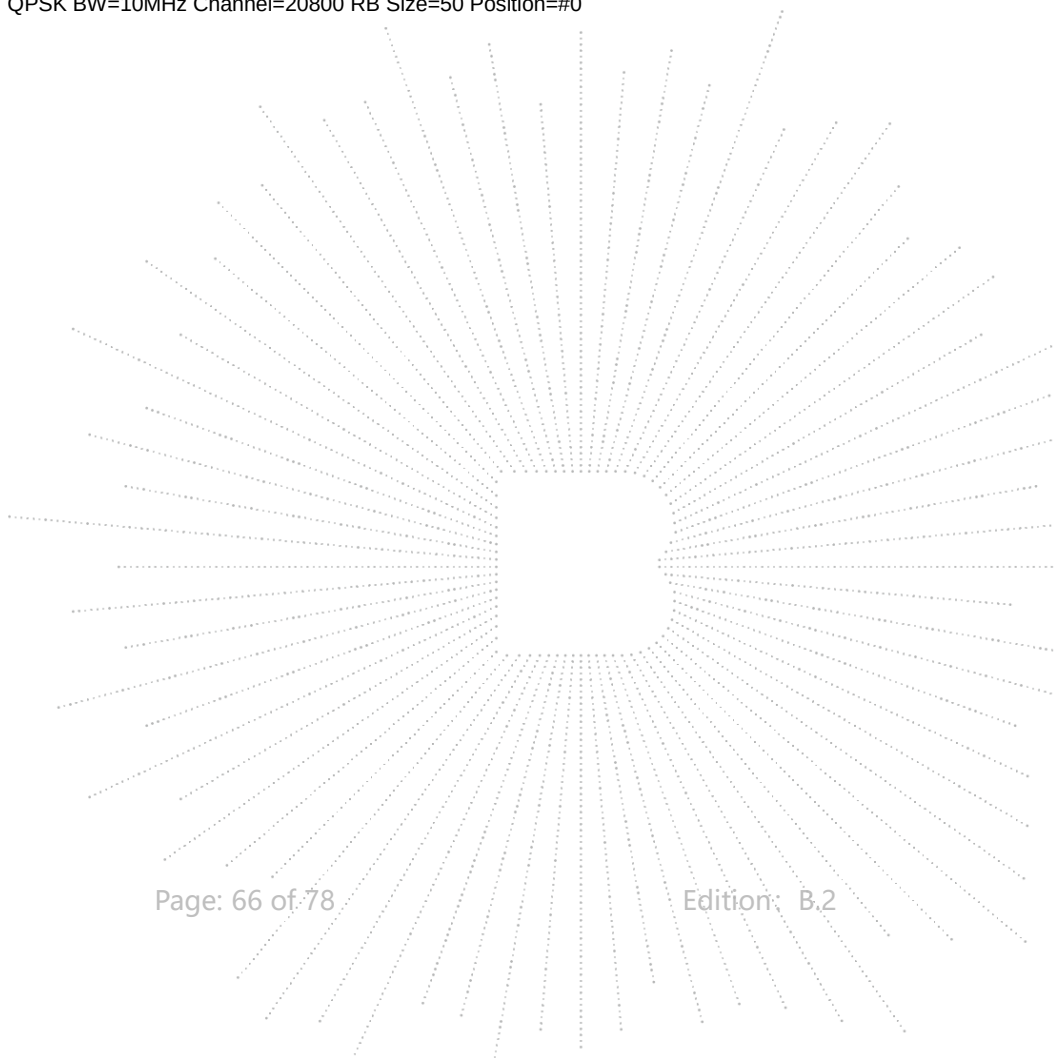
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0

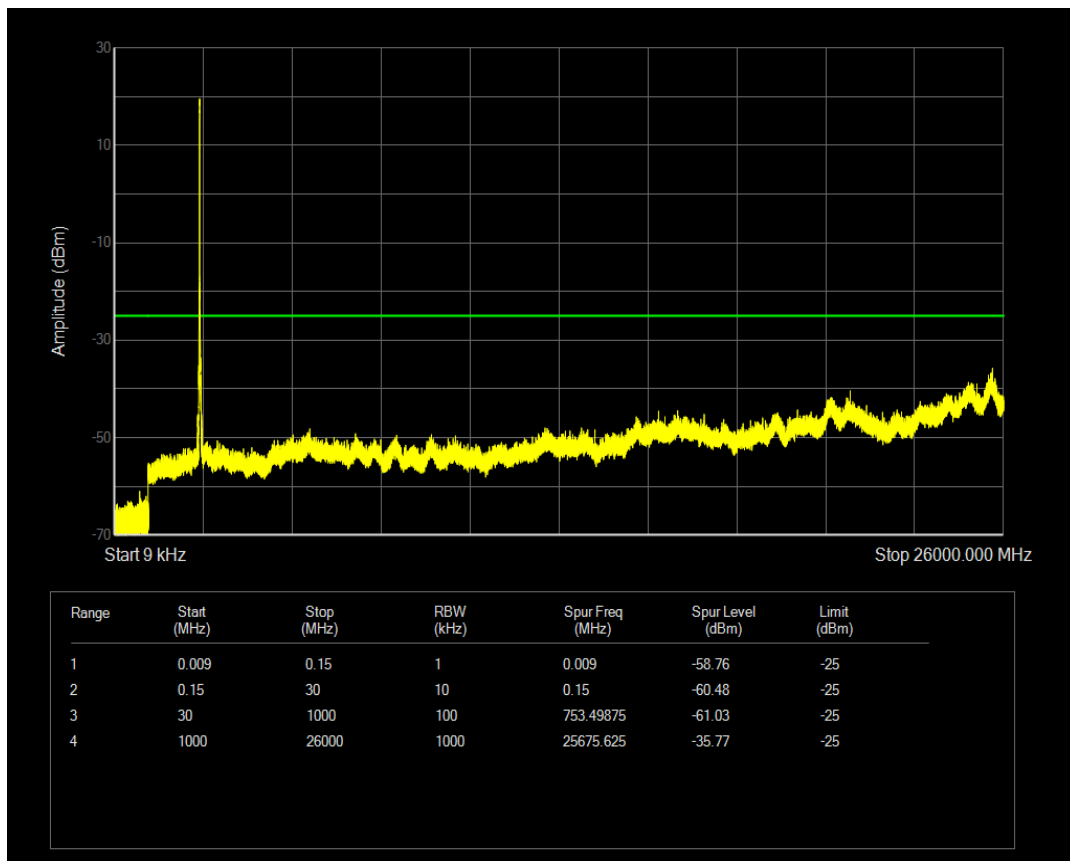


Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0

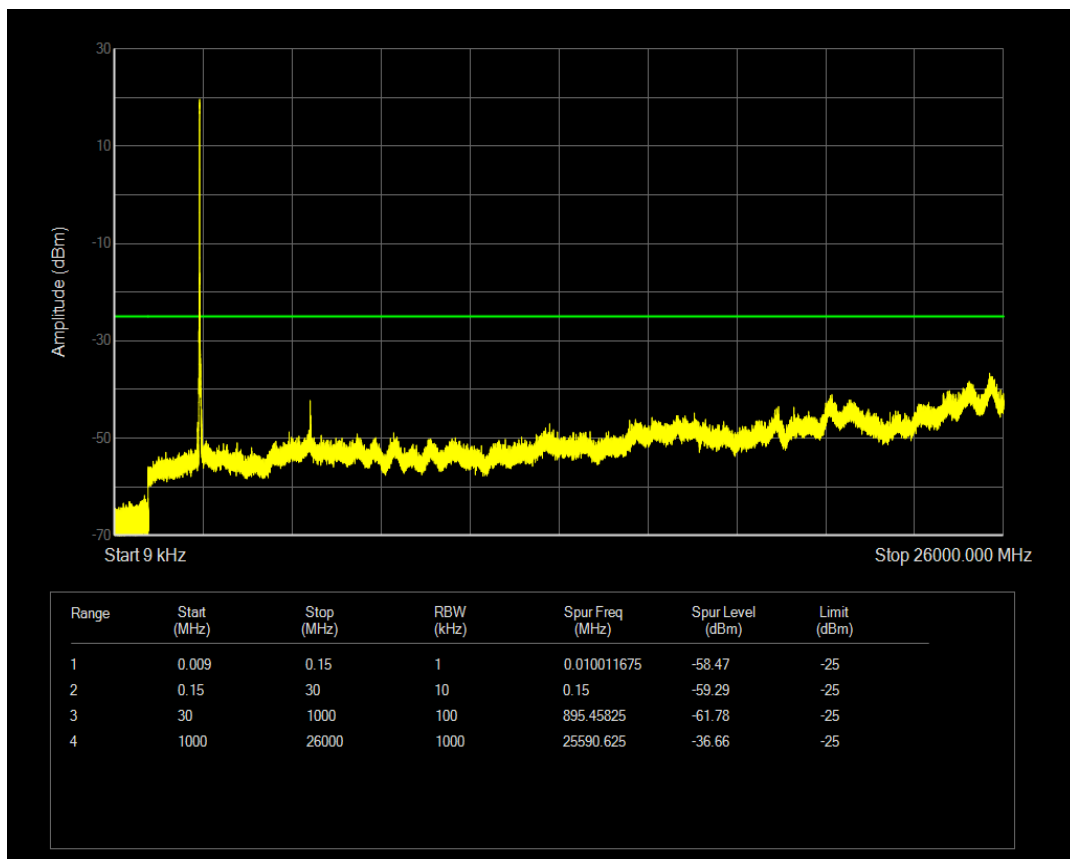


Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0

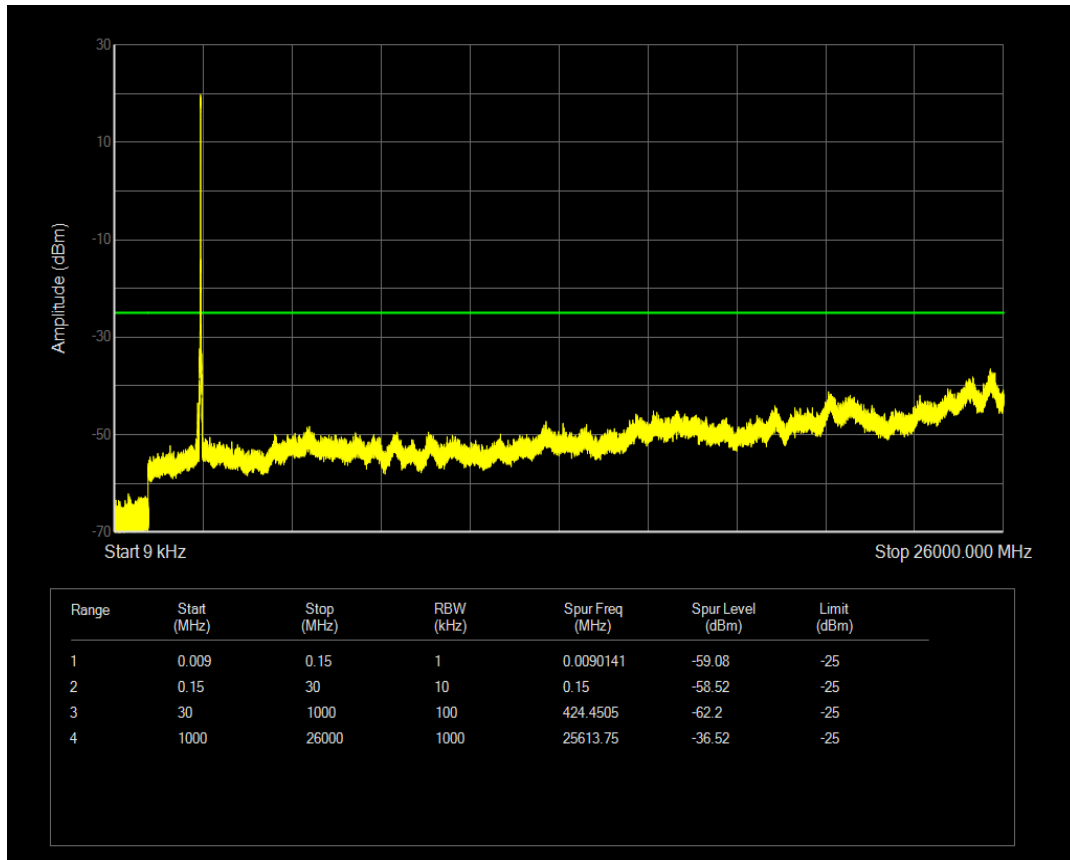




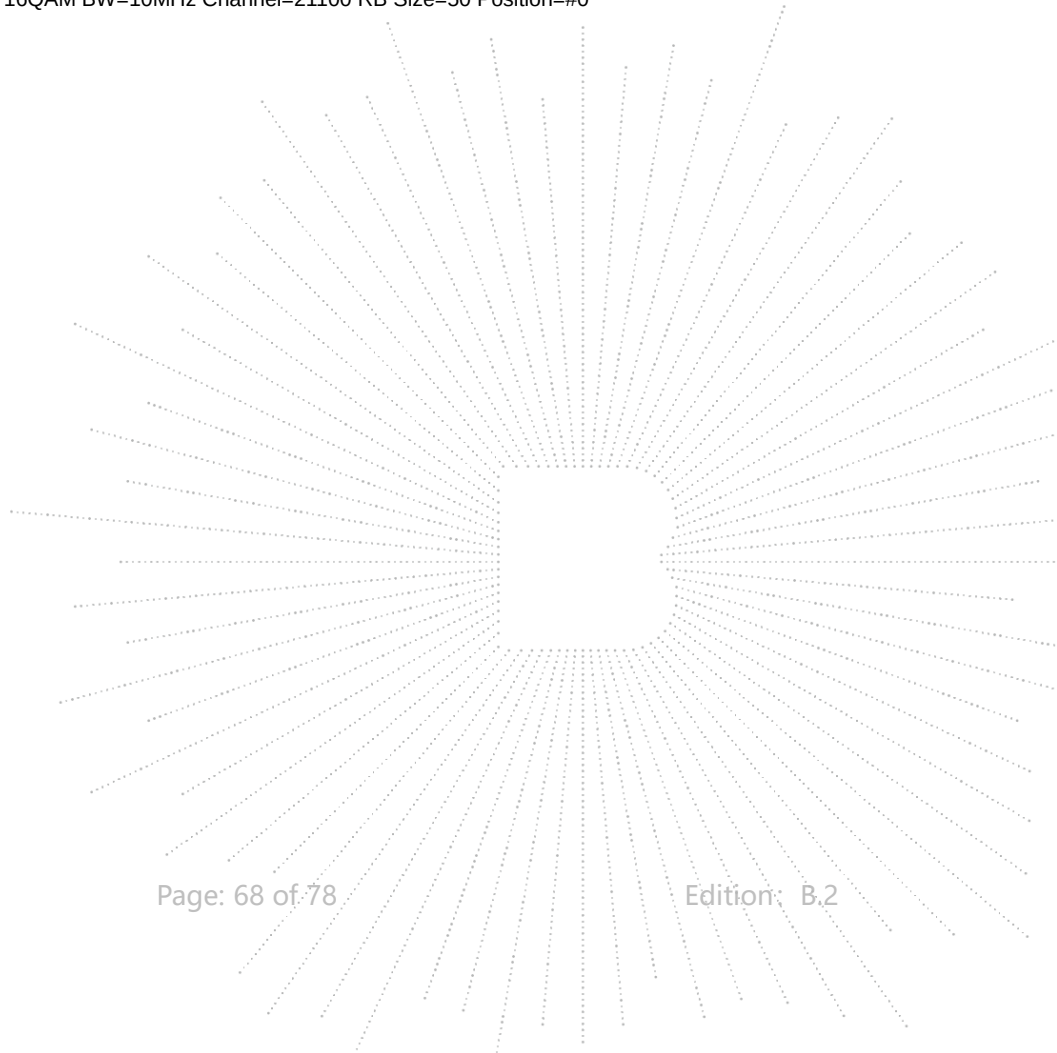
Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0

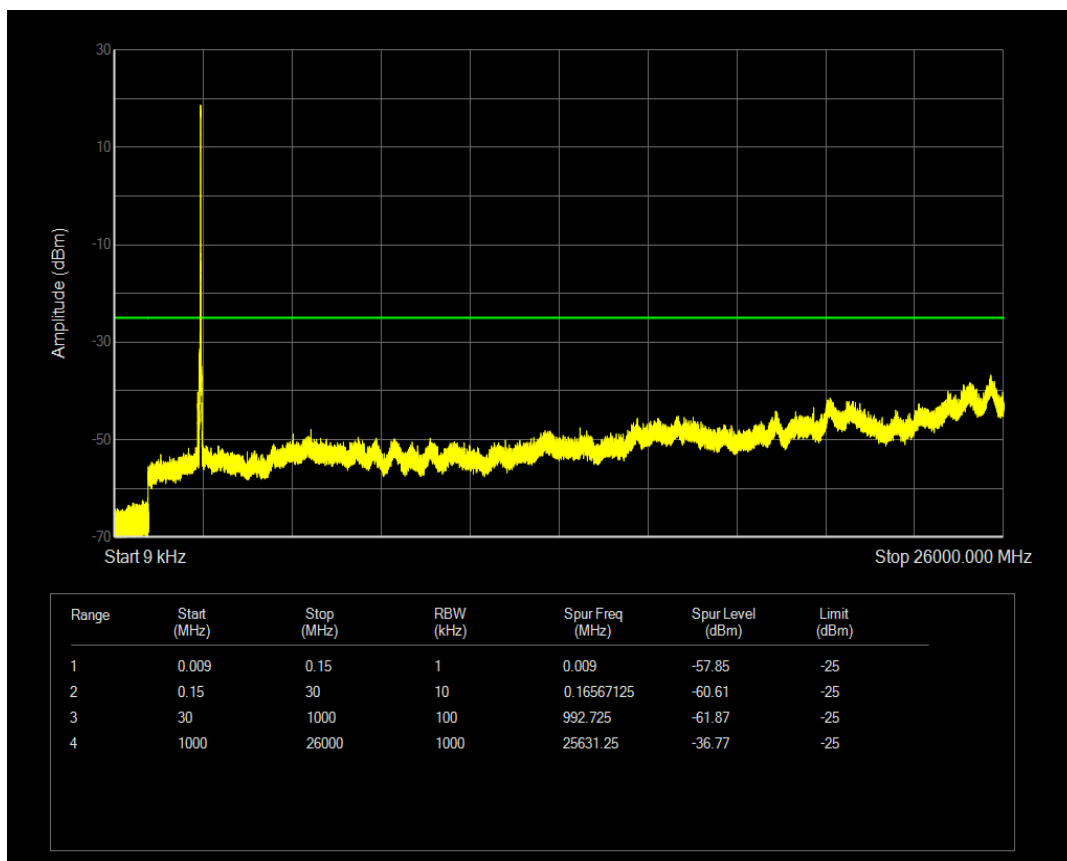


Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0

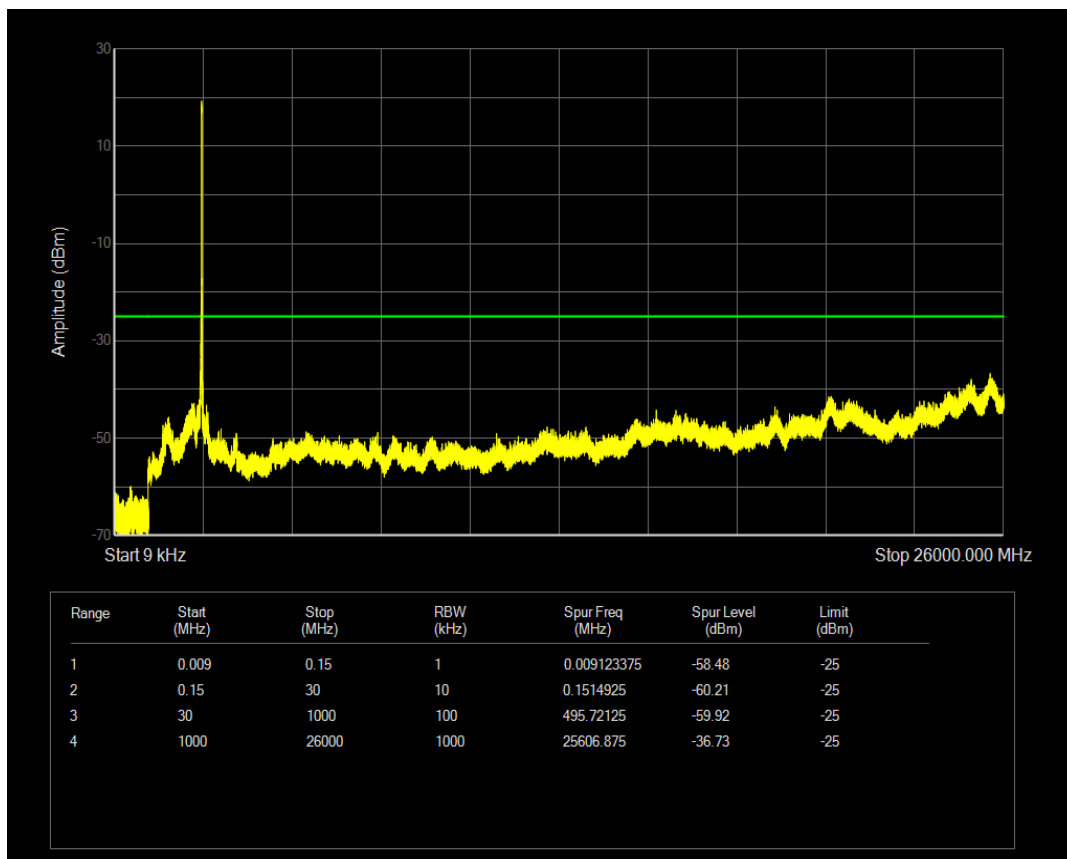


Band7 16QAM BW=10MHz Channel=21100 RB Size=50 Position=#0

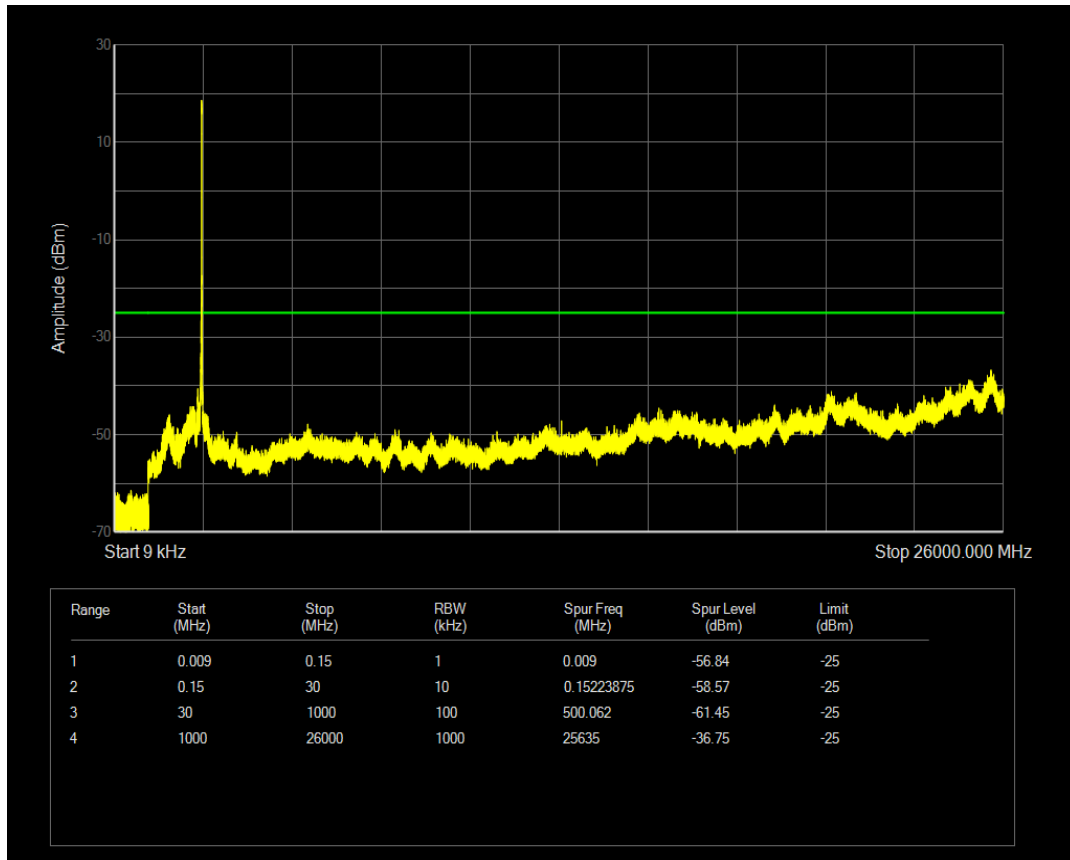




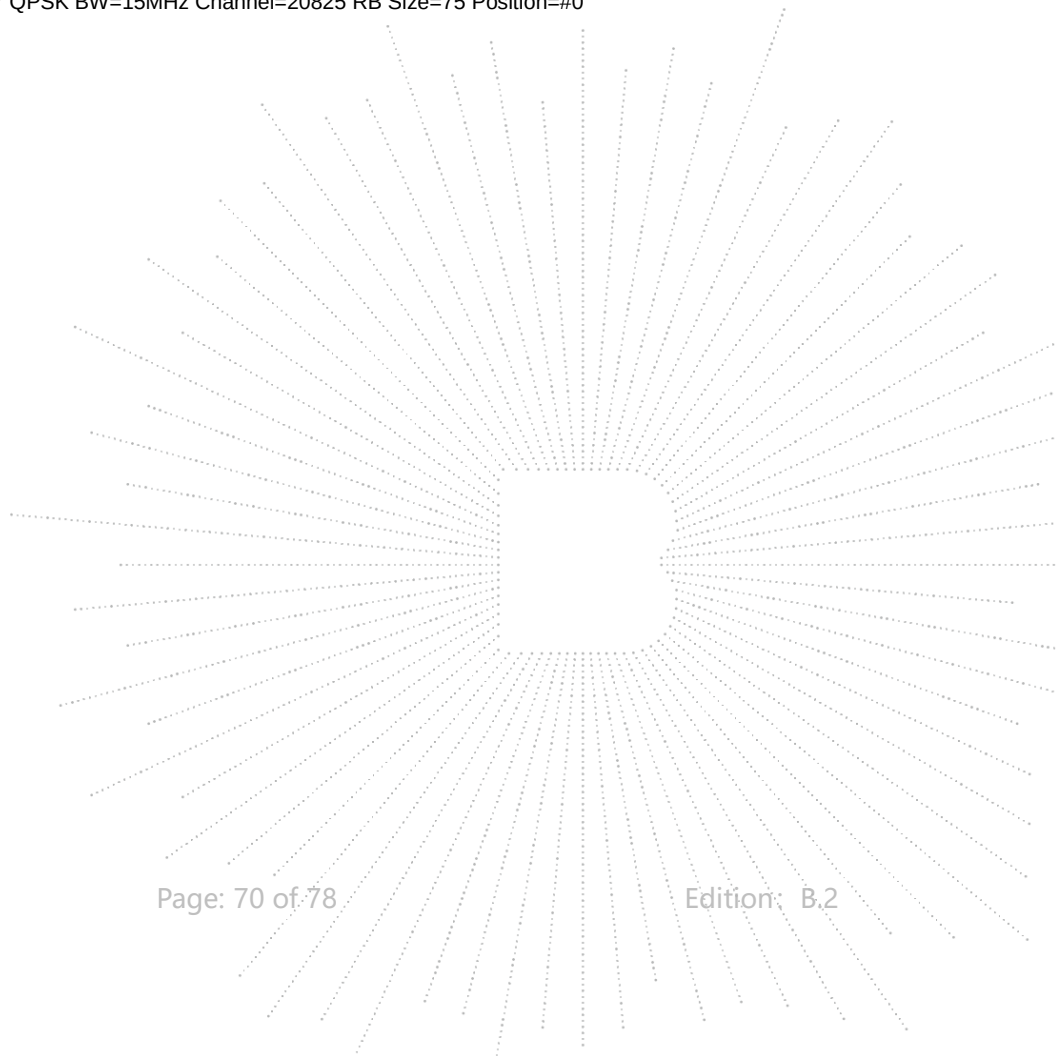
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

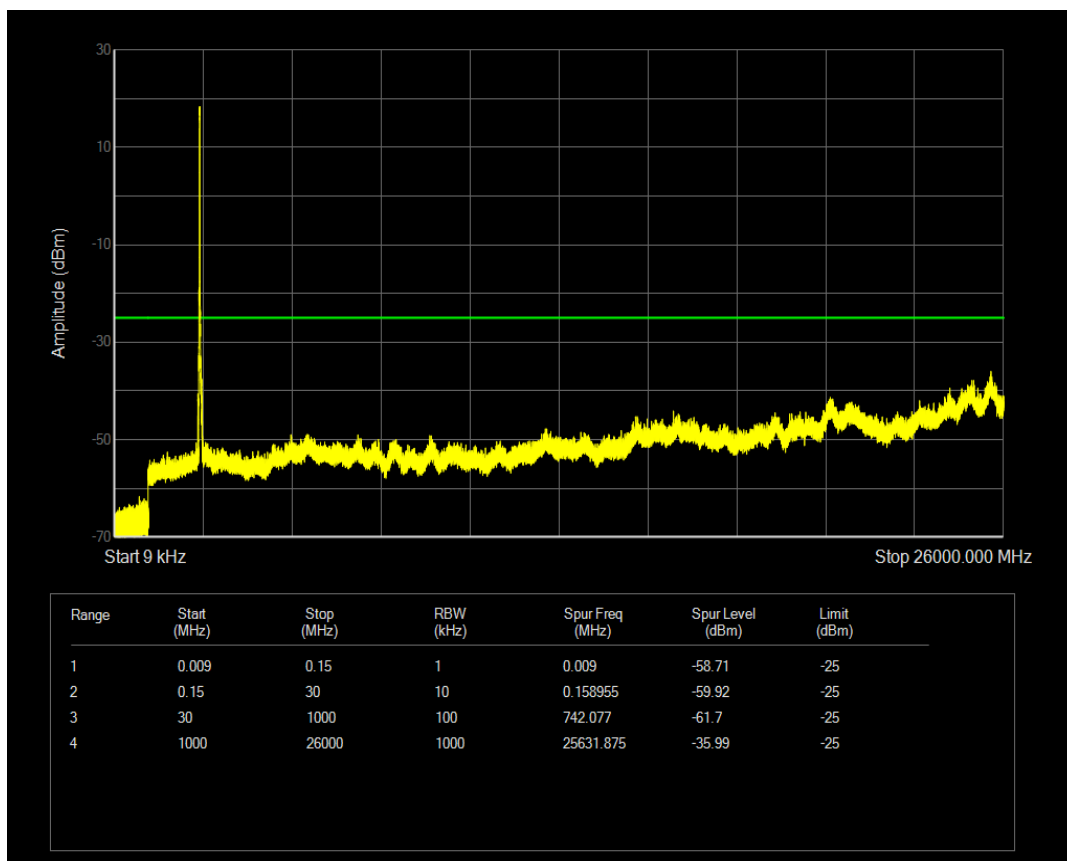


Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0

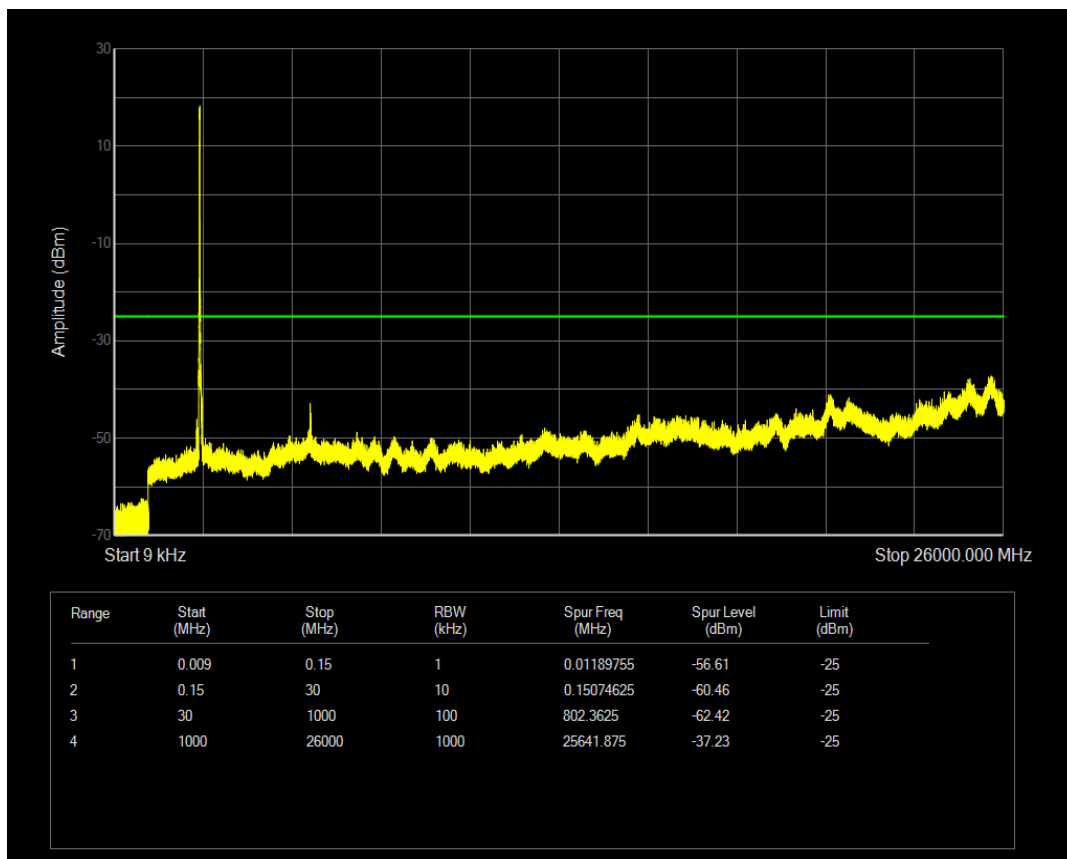


Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0

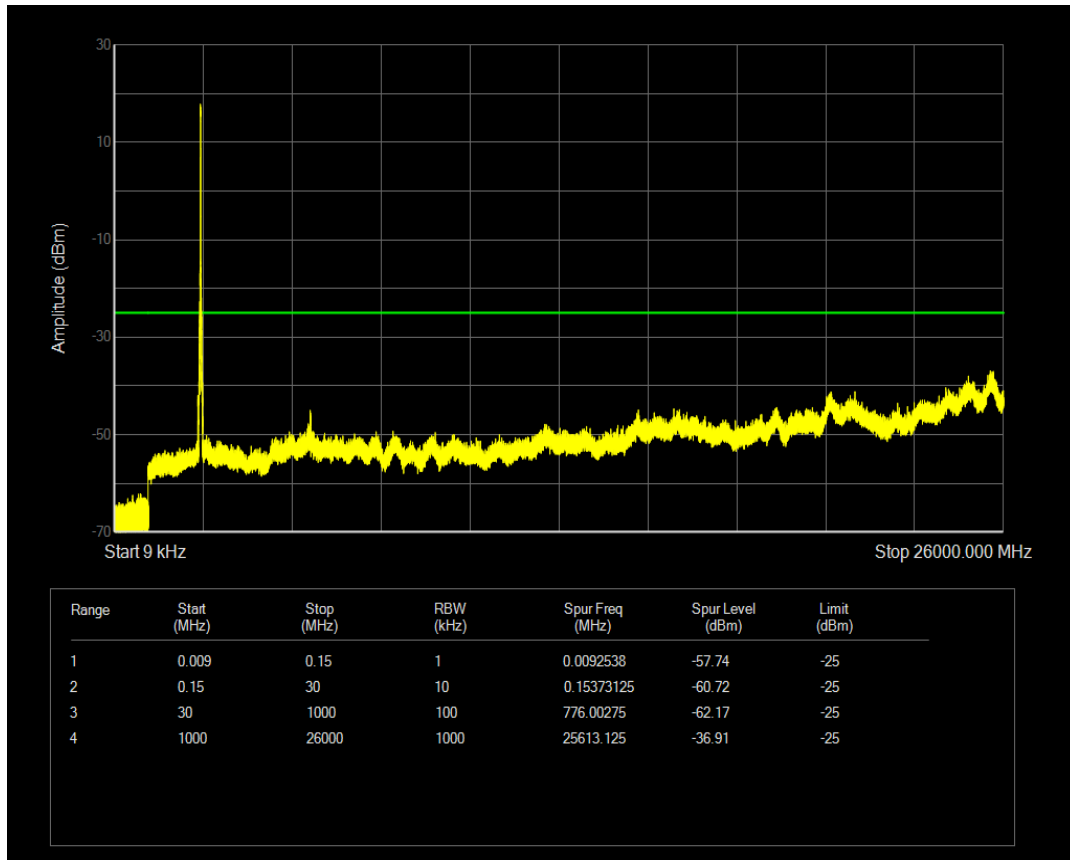




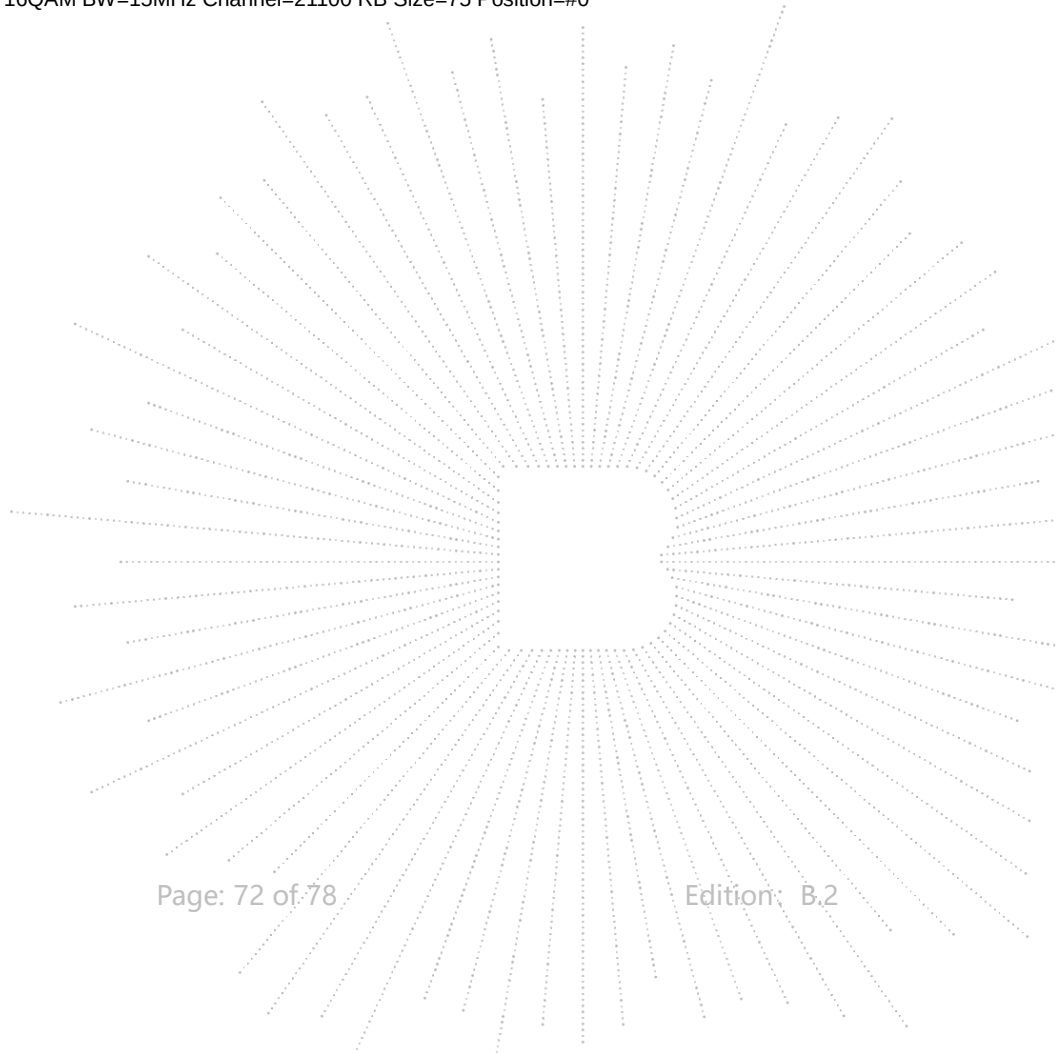
Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0

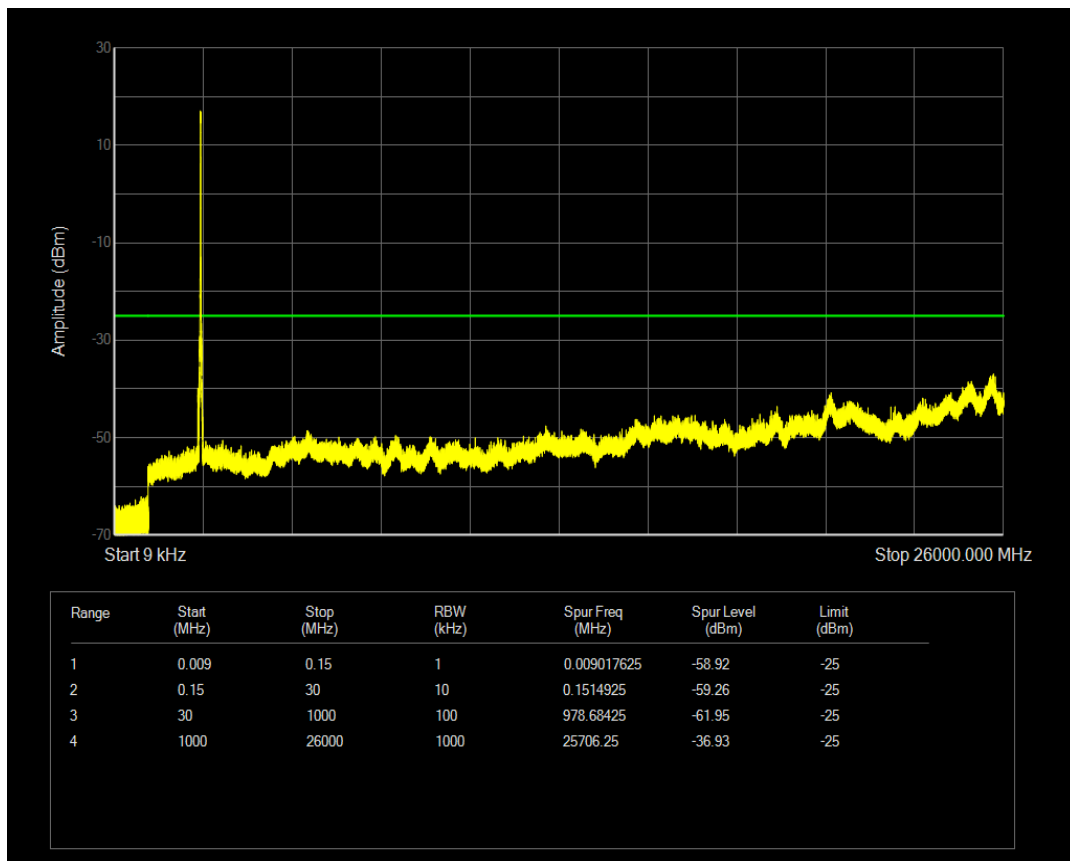


Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0

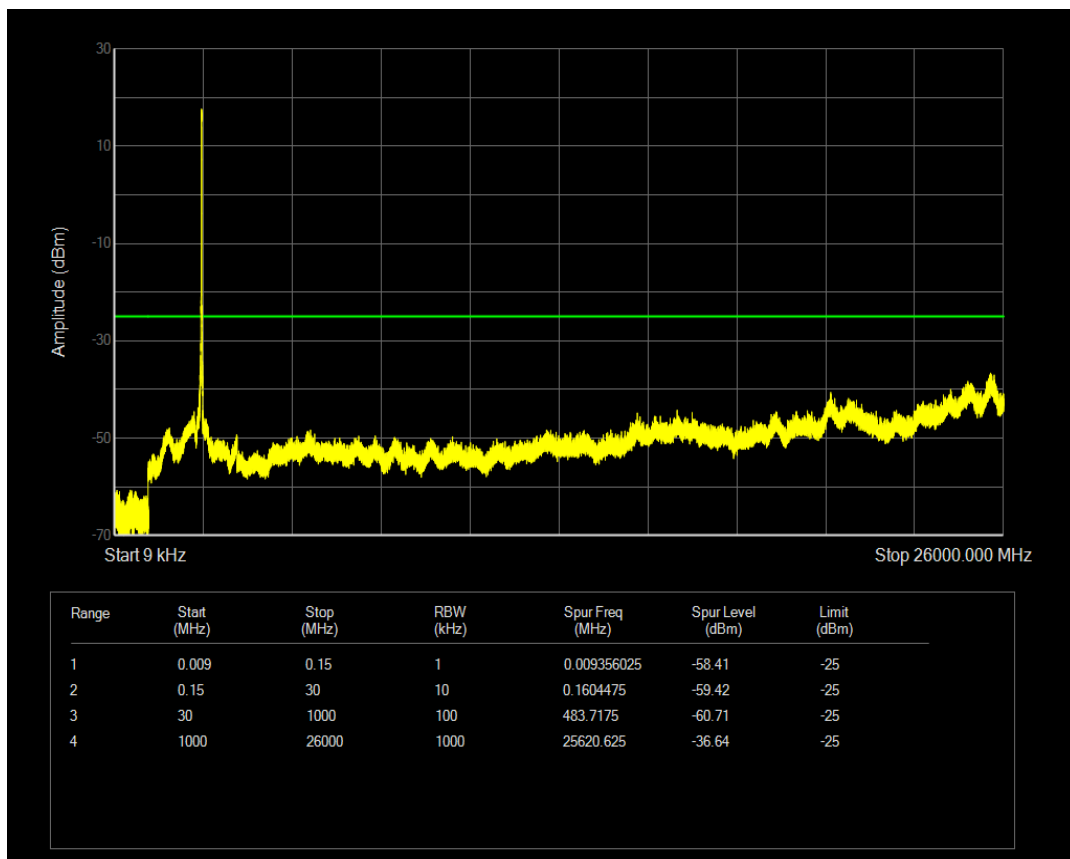


Band7 16QAM BW=15MHz Channel=21100 RB Size=75 Position=#0

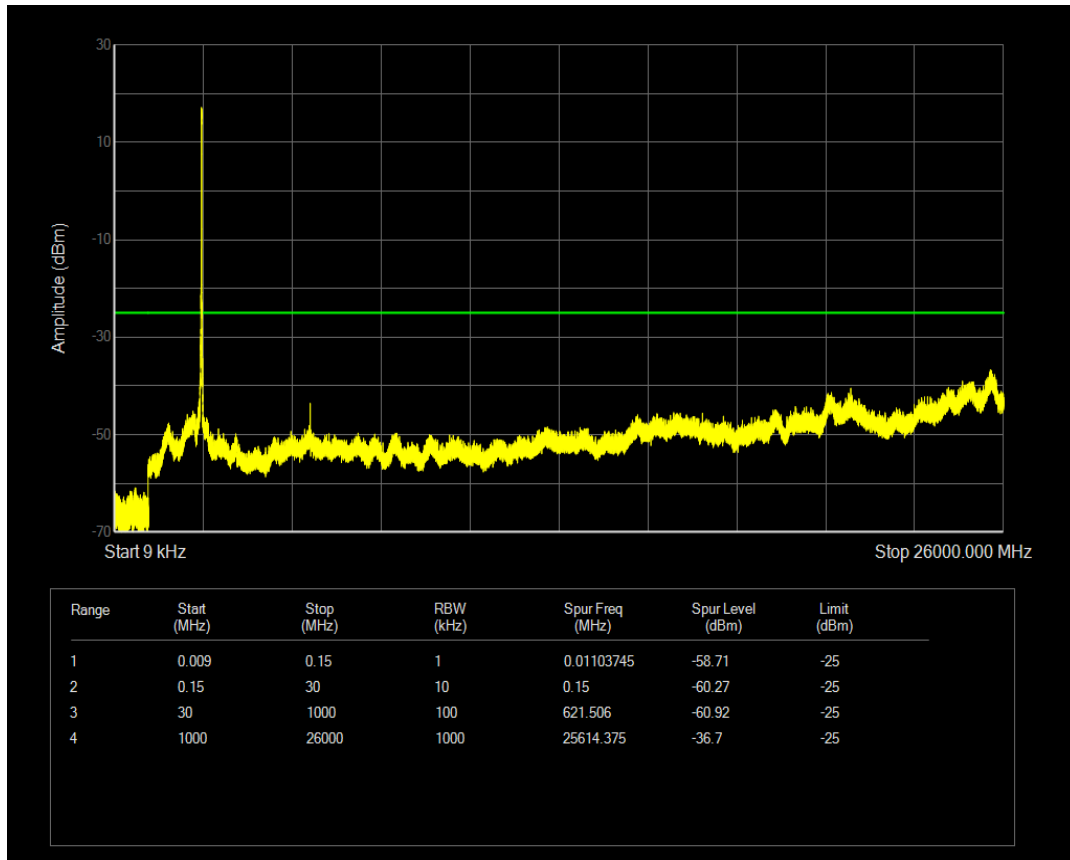




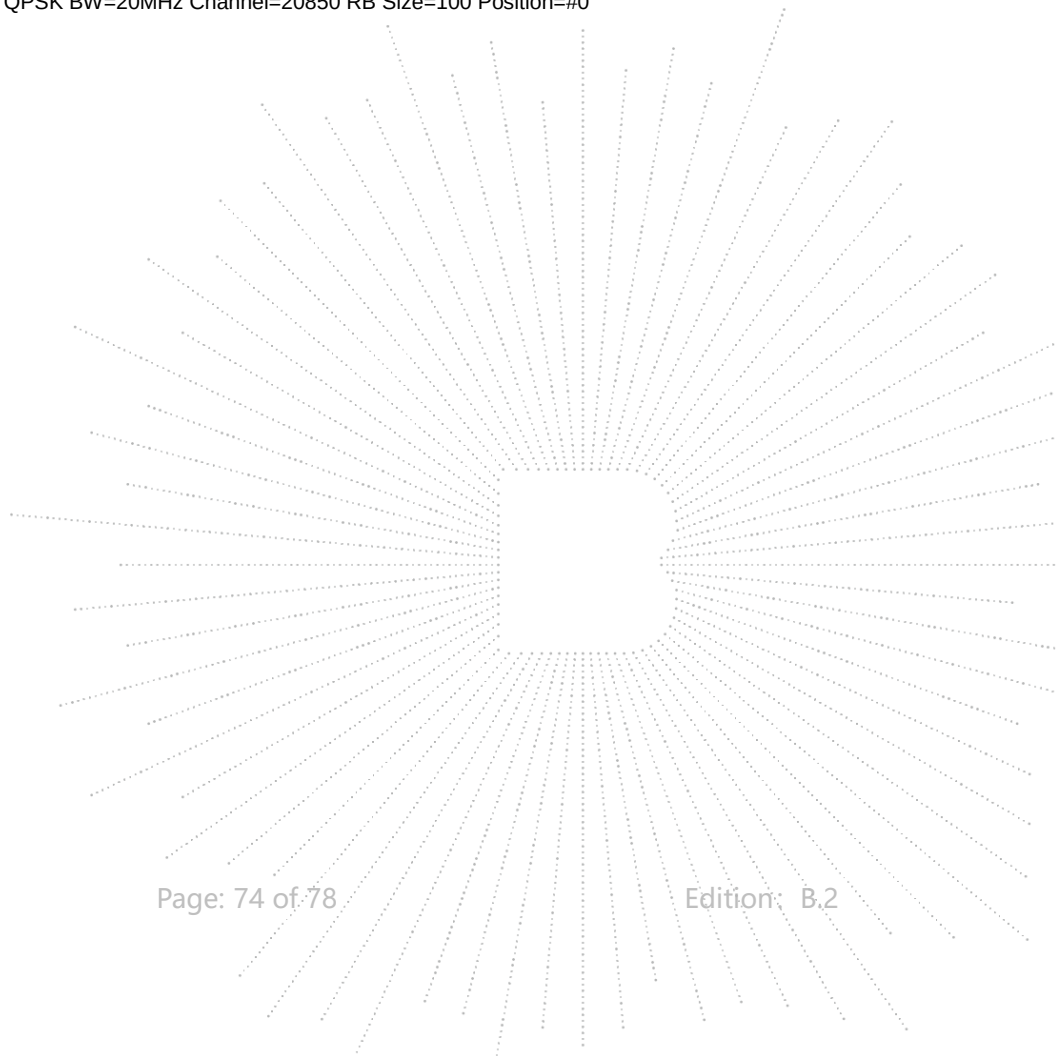
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0

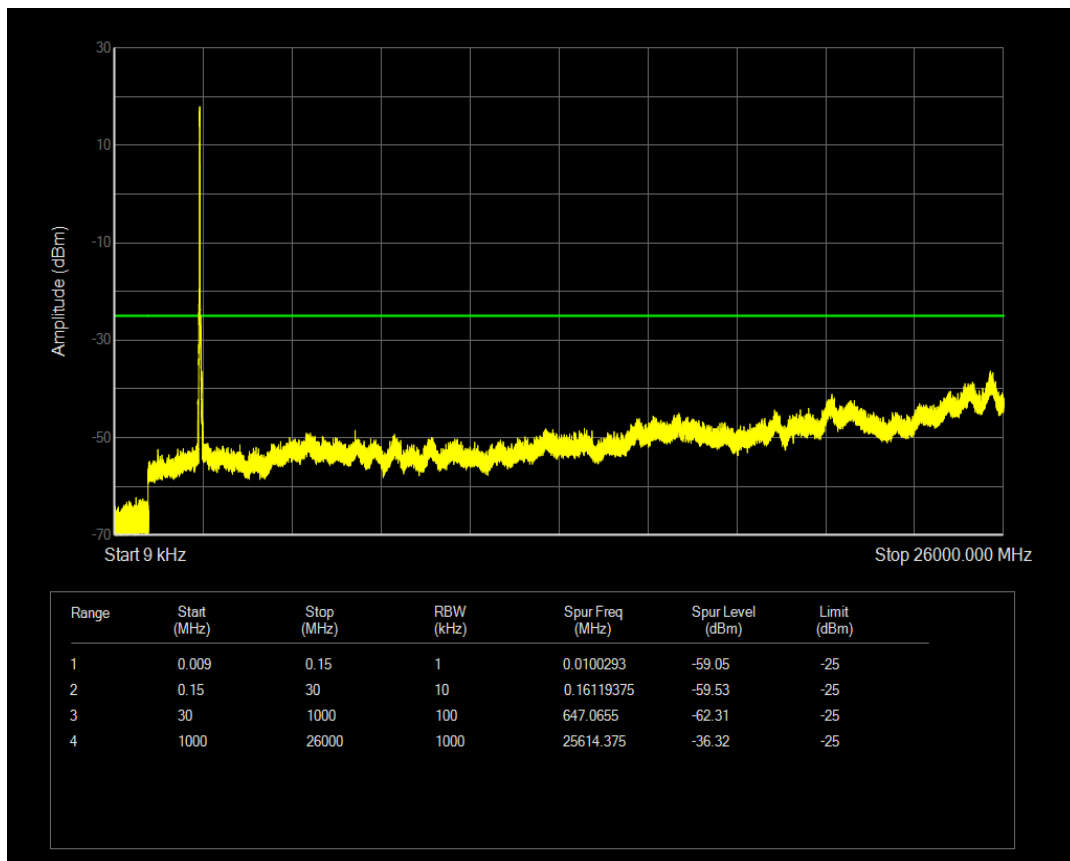


Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0

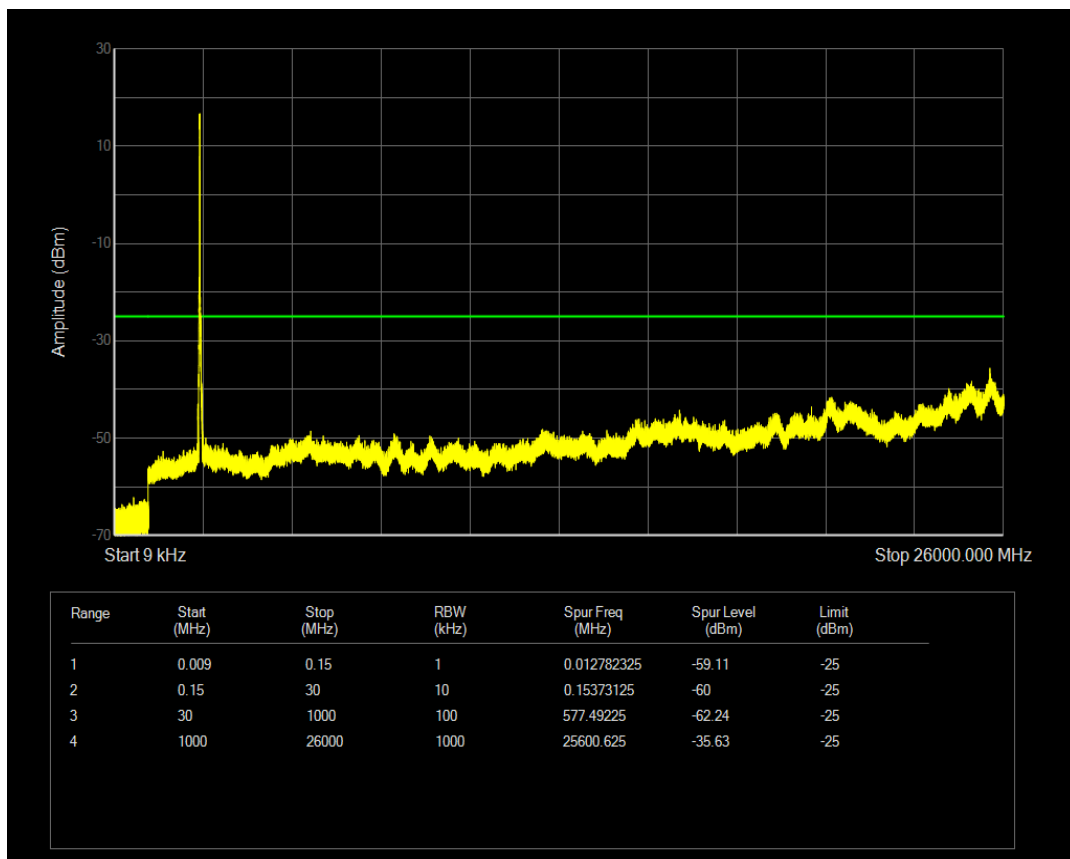


Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0

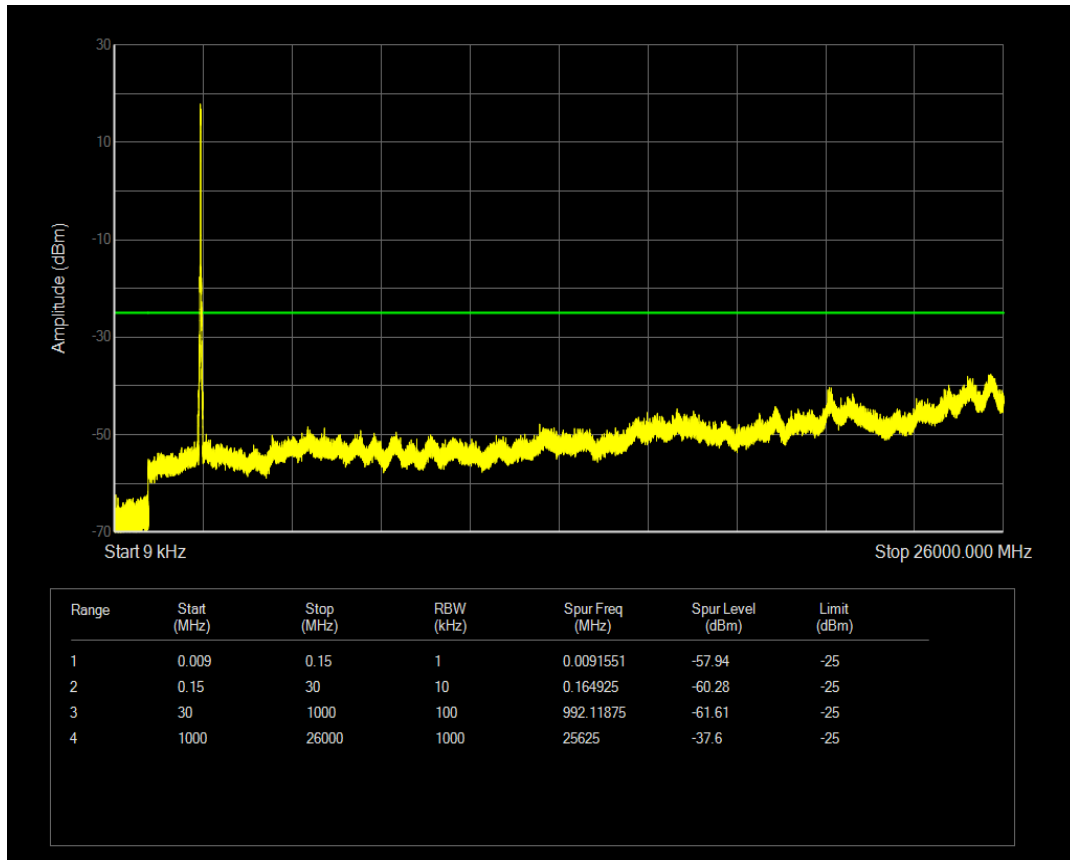




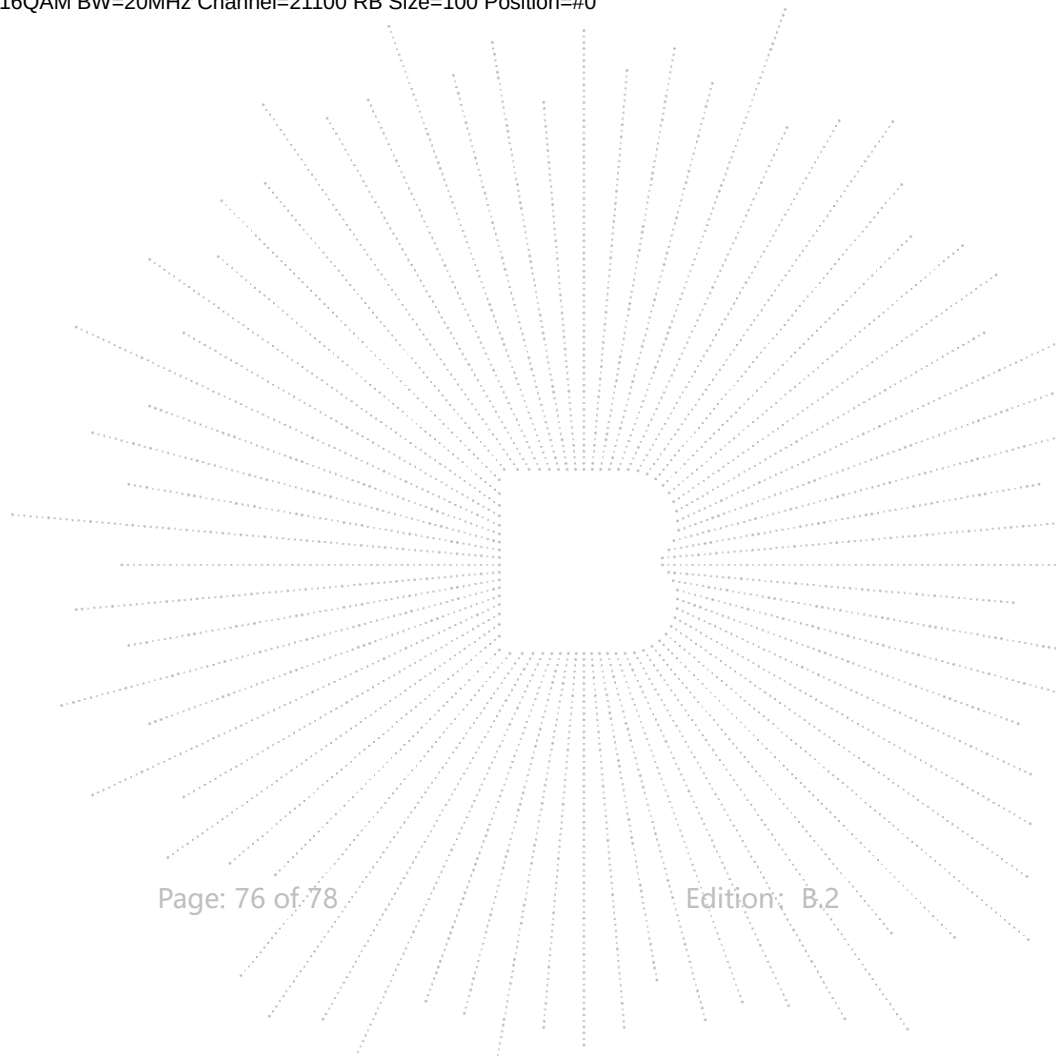
Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0

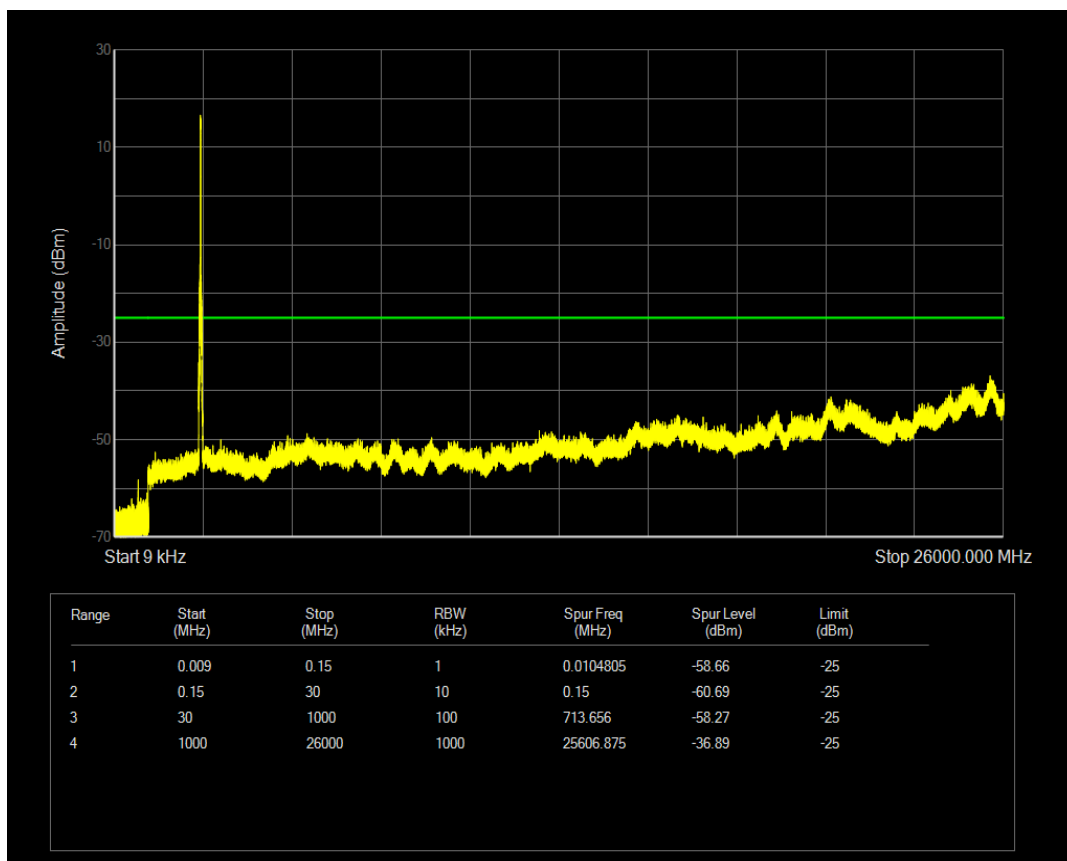


Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0

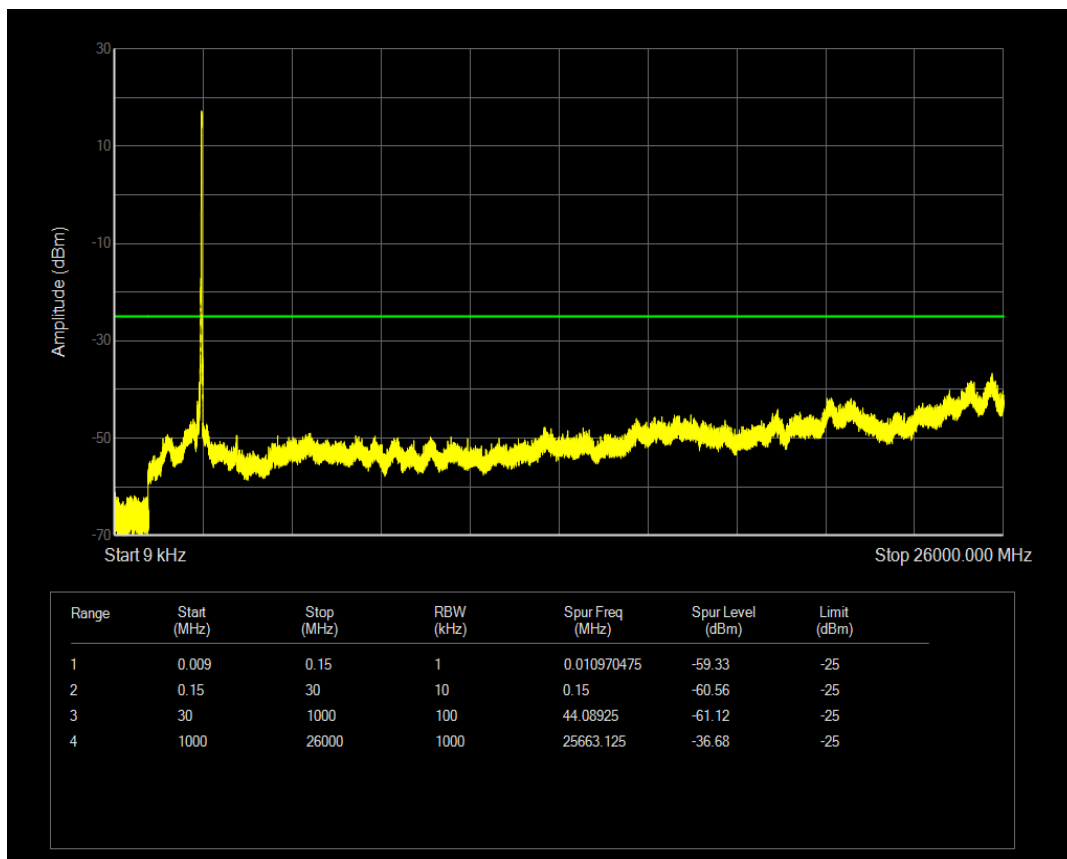


Band7 16QAM BW=20MHz Channel=21100 RB Size=100 Position=#0





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



Band7 16QAM BW=20MHz Channel=21350 RB Size=100 Position=#0

